



FCC Test Report

Application No.: DNT2603180691R01268-01958
Applicant: Shenzhen hutianmei Technology Co.,Ltd
Address of Applicant: 32 Building, The third Industrial Park, Houting Shajing, Baoan District, Shenzhen,China
EUT Description: Portable Speaker
Model No.: TX10
Additional Model(s): SODLK S1621, SODLK S1127PLUS, SODLK SD01, SODLK S530, SODLK T90PLUS
FCC ID: 2AKRC-TX10
Power Supply: Input DC 5V; DC 3.7V from rechargeable lithium-ion battery
Trade Mark: SODLK
Standards: 47 CFR Part 2, Subpart J
47 CFR Part 15, Subpart C
ANSI C63.10: 2020
Date of Receipt: 2026/03/18
Date of Test: 2026/03/18 to 2026/03/31
Date of Issue: 2026/04/01
Test Result: **PASS**

Prepared By: Carl Lin (Testing Engineer)

Reviewed By: Wayne Lin (Project Engineer)

Approved By: Yese Shan (Manager)



Note: If there is any objection to the results in this report, please submit a written inquiry to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp, and is issued by the company in accordance with the requirements of the "Conditions of Issuance of Test Reports" printed in the attached page. Unless otherwise stated, the results presented in this report only apply to the samples tested this time. Partial reproduction of this report is not allowed unless approved by the company in writing.

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Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	April 1, 2026	Valid	Original Report



1 Test Summary

Test Item	Test Requirement	Test Method	Test Result	Result
Antenna Requirement	15.203/247(b/c)	--	Clause 3.1	PASS
20dB Emission Bandwidth	15.247 (a)(1)	ANSI C63.10: 2020	Clause 3.2	PASS
Conducted Peak Output Power	15.247 (b)(1)	ANSI C63.10: 2020	Clause 3.3	PASS
Carrier Frequencies Separation	15.247 (a)(1)	ANSI C63.10: 2020	Clause 3.4	PASS
Dwell Time	15.247 (a)(1)	ANSI C63.10: 2020	Clause 3.5	PASS
Hopping Channel Number	15.247 (a)(1)	ANSI C63.10: 2020	Clause 3.6	PASS
Band-edge for RF Conducted Emissions	15.247(d)	ANSI C63.10: 2020	Clause 3.7	PASS
RF Conducted Spurious Emissions	15.247(d)	ANSI C63.10: 2020	Clause 3.8	PASS
Radiated Spurious emissions	15.247(d); 15.205/15.209	ANSI C63.10: 2020	Clause 3.9	PASS
Restricted bands around fundamental frequency (Radiated Emission)	15.247(d); 15.205/15.209	ANSI C63.10: 2020	Clause 3.10	PASS
AC Power Line Conducted Emission	15.207	ANSI C63.10: 2020	Clause 3.11	PASS

Note:

1. "N/A" denotes test is not applicable in this test report.



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2 General Information

2.1 Test Location

Company:	Dongguan DN Testing Co., Ltd
Address:	No. 1, West Fourth Street, South Xinfa Road, Wusha Liwu, Chang' an Town, Dongguan City, Guangdong P.R.China
Test engineer:	Gali Lin

2.2 General Description of EUT

Manufacturer:	Shenzhen hutianmei Technology Co.,Ltd
Address of Manufacturer:	32 Building, The third Industrial Park, Houting Shajing, Baoan District, Shenzhen,China
EUT Description:	Portable Speaker
Model No.:	TX10
Additional Model(s):	SODLK S1621, SODLK S1127PLUS, SODLK SD01, SODLK S530, SODLK T90PLUS
Power Supply:	Input DC 5V; DC 3.7V from rechargeable lithium-ion battery
Trade Mark:	SODLK
Hardware Version:	V1.0
Software Version:	V1.0
Serial number:	PR2603180691R01268
Chip Type:	ATS2853
Operation Frequency:	2402MHz to 2480MHz
Type of Modulation:	GFSK,π/4-DQPSK,8-DPSK
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)
Sample Type:	<input checked="" type="checkbox"/> Portable Device, <input type="checkbox"/> Module, <input type="checkbox"/> Mobile Device
Antenna Type:	<input type="checkbox"/> External, <input checked="" type="checkbox"/> Integrated
Antenna Ports:	<input checked="" type="checkbox"/> Ant 1, <input type="checkbox"/> Ant 2, <input type="checkbox"/> Ant 3
Antenna Gain*:	<input checked="" type="checkbox"/> Provided by applicant 0.51dBi
RF Cable*:	<input checked="" type="checkbox"/> Provided by applicant 0.5dB(0.6~1GHz); 0.8dB(1.4~2GHz); 1.0dB(2.1~2.7GHz); 1.5dB(3~4GHz); 1.8dB(4.4~6GHz);

Note:

*Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, DNT is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.

*All models are just color differences, motherboard, PCB circuit board, chip, electronic components, appearance is all the same.



2.3 Test Environment

Operating Environment:	
Temperature:	20~25.0 °C
Humidity:	45~56 % RH
Atmospheric Pressure:	101.0~101.30 KPa
Test mode:	
Transmitting mode:	Keep the EUT in transmitting mode with all kind of modulation and all kind of data rate.

2.4 Channel List

Operation Frequency of each channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	20	2422MHz	40	2442MHz	60	2462MHz
1	2403MHz	21	2423MHz	41	2443MHz	61	2463MHz
2	2404MHz	22	2424MHz	42	2444MHz	62	2464MHz
3	2405MHz	23	2425MHz	43	2445MHz	63	2465MHz
4	2406MHz	24	2426MHz	44	2446MHz	64	2466MHz
5	2407MHz	25	2427MHz	45	2447MHz	65	2467MHz
6	2408MHz	26	2428MHz	46	2448MHz	66	2468MHz
7	2409MHz	27	2429MHz	47	2449MHz	67	2469MHz
8	2410MHz	28	2430MHz	48	2450MHz	68	2470MHz
9	2411MHz	29	2431MHz	49	2451MHz	69	2471MHz
10	2412MHz	30	2432MHz	50	2452MHz	70	2472MHz
11	2413MHz	31	2433MHz	51	2453MHz	71	2473MHz
12	2414MHz	32	2434MHz	52	2454MHz	72	2474MHz
13	2415MHz	33	2435MHz	53	2455MHz	73	2475MHz
14	2416MHz	34	2436MHz	54	2456MHz	74	2476MHz
15	2417MHz	35	2437MHz	55	2457MHz	75	2477MHz
16	2418MHz	36	2438MHz	56	2458MHz	76	2478MHz
17	2419MHz	37	2439MHz	57	2459MHz	77	2479MHz
18	2420MHz	38	2440MHz	58	2460MHz	78	2480MHz
19	2421MHz	39	2441MHz	59	2461MHz		

Remark:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The Lowest channel	2402MHz
The Middle channel	2441MHz
The Highest channel	2480MHz



2.5 Power Setting of Test Software

Software Name	FCC		
Frequency(MHz)	2402	2441	2480
GFSK Setting	4	4	4
$\pi/4$ -DQPSK Setting	4	4	4
8-DPSK Setting	4	4	4

2.6 Assistant equipment used for test

Code	Equipment	Manufacturer	Model No.	Equipment No.
1	Computer	acer	N22C8	EMC notebook01
2	Adapter	Xiaomi	HW-100225C00	NA

2.7 Description of Support Units

The EUT has been tested as an independent unit.

2.8 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

Lab A:

• FCC, USA

Designation Number: CN1348

• A2LA (Certificate No. 7050.01)

DONGGUAN DN TESTING CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 7050.01.

• Innovation, Science and Economic Development Canada

DONGGUAN DN TESTING CO., LTD. EMC Laboratory has been recognized by ISED as an accredited testing laboratory. CAB identifier is CN0149.

IC#: 30755.



2.9 Equipment List

For Connect EUT Antenna Terminal Test					
Description	Manufacturer	Model	Serial Number	Cal date	Due date
Signal Generator	Keysight	N5181A-6G	MY48180415	2025-10-21	2026-10-20
Signal Generator	Keysight	N5182B	MY57300617	2025-10-21	2026-10-20
Power supply	Keysight	E3640A	ZB2022656	2025-10-21	2026-10-20
Radio Communication Tester	R&S	CMW500	105082	2025-10-21	2026-10-20
Spectrum Analyzer	Aglient	N9010A	MY52220200	2025-10-21	2026-10-20
BT/WIFI Test Software	Tonscend	JS1120 V3.1.83	NA	NA	NA
RF Control Unit	Tonscend	JS0806-2	22F8060581	NA	NA
Power Sensor	Anritsu	ML2495A	2129005	2025-10-21	2026-10-20
Pulse Power Sensor	Anritsu	MA2411B	1911397	2025-10-21	2026-10-20
temperature and humidity box	SCOTEK	SCD-C40-80PRO	6866682020008	2025-10-21	2026-10-20
RF Cable	ETS-LINDGREN	RFC-NMS-100-NMS-350-IN	NA	2025-10-21	2026-10-20

Test Equipment for Conducted Emission					
Description	Manufacturer	Model	Serial Number	Cal Date	Due Date
Receiver	R&S	ESCI3	101152	2025-10-21	2026-10-20
LISN	R&S	ENV216	102874	2025-10-21	2026-10-20
ISN	R&S	ENY81-CA6	1309.8590.03	2025-10-21	2026-10-20
RF Cable	ETS-LINDGREN	Cable-CE TS01	/	2025-10-21	2026-10-20

Test Equipment for Radiated Emission(30MHz-1000MHz)					
Description	Manufacturer	Model	Serial Number	Cal Date	Due Date
Receiver	R&S	ESR7	102497	2025-10-21	2026-10-20
Test Software	Tonscend	JS32-RE	NA	NA	NA
RF Cable	ETS-LINDGREN	RE Cable-TS01	NA	2025-10-21	2026-10-20



Log periodic antenna	ETS-LINDGREN	VULB 9168	01475	2025-10-21	2026-10-20
Pre-amplifier	Schwarzbeck	BBV9743B	00423	2025-10-21	2026-10-20
Attenuator 1	Shanghai Huaxiang	TS2-6-18-A	22061803	2025-10-21	2026-10-20
Attenuator 2	Shanghai Huaxiang	TS2-6-6-A	230927163	2025-10-21	2026-10-20

Test Equipment for Radiated Emission(Above 1000MHz)					
Description	Manufacturer	Model	Serial Number	Cal Date	Due Date
Frequency analyser	Keysight	N9010A	MY52221458	2025-10-21	2026-10-20
RF Cable	ETS-LINDGREN	RE Cable-TS02	NA	2025-10-21	2026-10-20
Horn Antenna	ETS-LINDGREN	3117	00252567	2025-10-21	2026-10-20
Double ridged waveguide antenna	ETS-LINDGREN	3116C	00251780	2025-10-21	2026-10-20
Test Software	Tonscend	JS32-RE	NA	NA	NA
Pre-amplifier	ETS-LINDGREN	3117-PA	252567	2025-10-21	2026-10-20
Pre-amplifier	ETS-LINDGREN	3116C-PA	251780	2025-10-21	2026-10-20



2.10 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	20dB Emission Bandwidth	$\pm 0.0196\%$
2	Carrier Frequency Separation	$\pm 1.9\%$
3	Number of Hopping Channel	$\pm 1.9\%$
4	Time of Occupancy	$\pm 0.028\%$
5	Max Peak Conducted Output Power	± 0.743 dB
6	Band-edge Spurious Emission	± 1.328 dB
7	Conducted RF Spurious Emission	9KHz-1GHz: ± 0.746 dB 1GHz-26GHz: ± 1.328 dB

No.	Item	Measurement Uncertainty
1	Conduction Emission	± 3.0 dB (150kHz to 30MHz)
2	Radiated Emission	± 4.8 dB (Below 1GHz)
		± 4.8 dB (1GHz to 6GHz)
		± 4.5 dB (6GHz to 18GHz)
		± 5.02 dB (Above 18GHz)



3 Test results and Measurement Data

3.1 Antenna Requirement

Standard requirement:	47 CFR Part 15C Section 15.203 /247(b/c)
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.	
15.247(b) (4) requirement: The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6dBi.	
The antenna is integrated to the motherboard, The best case gain of the antenna is 0.51dBi.	



3.2 20dB Emission Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
Test Method:	ANSI C63.10: 2020 Section 6.9.2
Test Setup:	<p>The diagram illustrates the test setup. A Spectrum Analyzer is connected via a red cable to an E.U.T. (Equipment Under Test). Both are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.</p>
Instruments Used:	Refer to section 2.9 for details
Exploratory Test Mode:	Non-hopping transmitting with all kind of modulation and all kind of data type.
Final Test Mode:	Through Pre-scan, find the worst case of all modulation type.
Limit:	NA
Test Results:	Pass

The detailed test data see: **Appendix A**



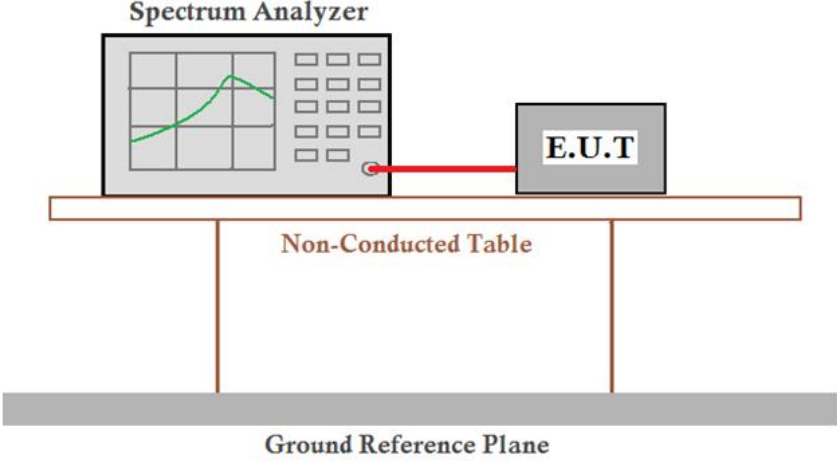
3.3 Conducted Output Power

Test Requirement:	47 CFR Part 15C Section 15.247 (b)(1)
Test Method:	ANSI C63.10: 2020 Section 7.8.5
Test Setup:	<p>The diagram illustrates the test setup. A Spectrum Analyzer is connected via a red cable to an E.U.T. (Equipment Under Test). Both are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.</p>
Test Instruments:	Refer to section 2.9 for details
Exploratory Test Mode:	Non-hopping transmitting with all kind of modulation and all kind of data type.
Final Test Mode:	Through Pre-scan, find the worst case of all modulation type.
Limit:	(20.97dBm) 125mW
Test Results:	Pass

The detailed test data see: **Appendix B**



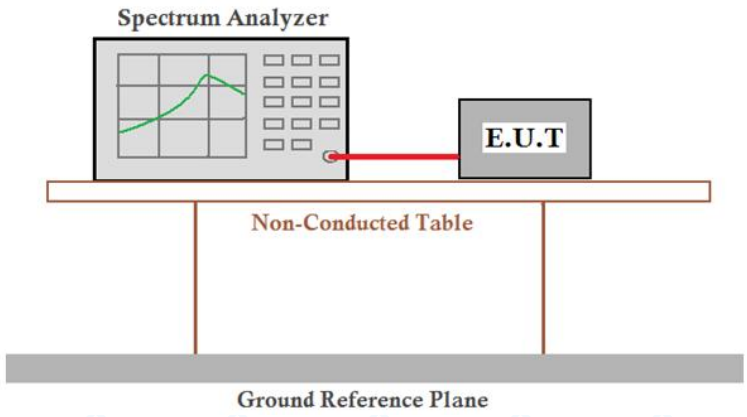
3.4 Carrier Frequencies Separation

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
Test Method:	ANSI C63.10: 2020 Section 7.8.2
Test Setup:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both are placed on a Non-Conducted Table, which is supported by two vertical legs. Below the table is a Ground Reference Plane.</p>
Test Instruments:	Refer to section 2.9 for details
Exploratory Test Mode:	Hopping transmitting with all kind of modulation and all kind of data type.
Final Test Mode:	Through Pre-scan, find the worst case of all modulation type.
Limit:	2/3 of the 20dB bandwidth
	Remark: the transmission power is less than 0.125W.
Test Results:	Pass

The detailed test data see: **Appendix C**



3.5 Dwell Time

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
Test Method:	ANSI C63.10: 2020 Section 7.8.4
Test Setup:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected via a red cable to an E.U.T. (Equipment Under Test). Both are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.</p>
Instruments Used:	Refer to section 2.9 for details
Test Mode:	Hopping transmitting with all kind of modulation and all kind of data type.
Limit:	0.4 Second
Test Results:	Pass

The detailed test data see: **Appendix D**



3.6 Hopping Channel Number

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
Test Method:	ANSI C63.10: 2020 Section 7.8.3
Test Setup:	<p>The diagram illustrates the test setup. A Spectrum Analyzer is connected via a red cable to an E.U.T. (Equipment Under Test). Both are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.</p>
Instruments Used:	Refer to section 2.9 for details
Test Mode:	Hopping transmitting with all kind of modulation
Limit:	At least 15 channels
Test Results:	Pass

The detailed test data see: **Appendix E**



3.7 Band-edge for RF Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10: 2020 Section 7.8.7.2
Test Setup:	<p>The diagram shows a Spectrum Analyzer on the left and an E.U.T. on the right, connected by a red cable. They are both placed on a table labeled 'Non-Conducted Table'. Below the table is a thick grey bar labeled 'Ground Reference Plane'.</p>
Instruments Used:	Refer to section 2.9 for details
Exploratory Test Mode:	Hopping and Non-hopping transmitting with all kind of modulation and all kind of data type.
Final Test Mode:	Through Pre-scan, find the worst case of all modulation type.
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test Results:	Pass

The detailed test data see: **Appendix F**



3.8 RF Conducted Spurious Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10: 2020 Section 7.8.7.1
Test Setup:	<p>The diagram shows a Spectrum Analyzer on the left, connected by a red cable to an E.U.T. (Equipment Under Test) on the right. Both are placed on a table labeled 'Non-Conducted Table'. Below the table is a 'Ground Reference Plane'.</p>
Instruments Used:	Refer to section 2.9 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Through Pre-scan, find the worst case of all modulation type.
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test Results:	Pass

The detailed test data see: **Appendix G**



3.9 Radiated Spurious Emissions

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205				
Test Method:	ANSI C63.10: 2020 Section 7.8.8 /6.3 / 6.4/ 6.5 /6.6				
Test Site:	Measurement Distance: 3m or 10m (Semi-Anechoic Chamber)				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
Peak		1MHz	10Hz (DC≥0.98) ≥1/T (DC<0.98)	Average	
Limit:	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz-88MHz	100	40.0	Quasi-peak	3
	88MHz-216MHz	150	43.5	Quasi-peak	3
	216MHz-960MHz	200	46.0	Quasi-peak	3
	960MHz-1GHz	500	54.0	Quasi-peak	3
	Above 1GHz	500	54.0	Average	3
Remark: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.					

Test Setup:

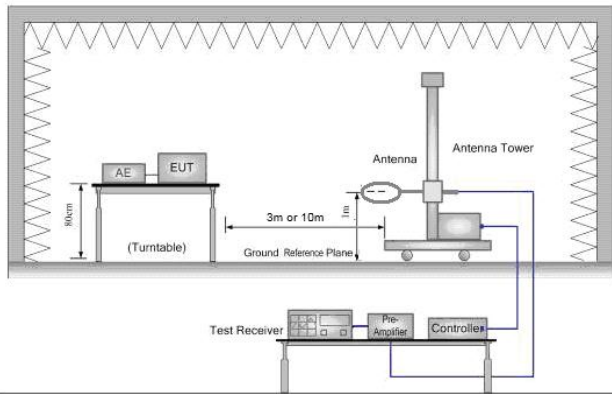


Figure 1. Below 30MHz

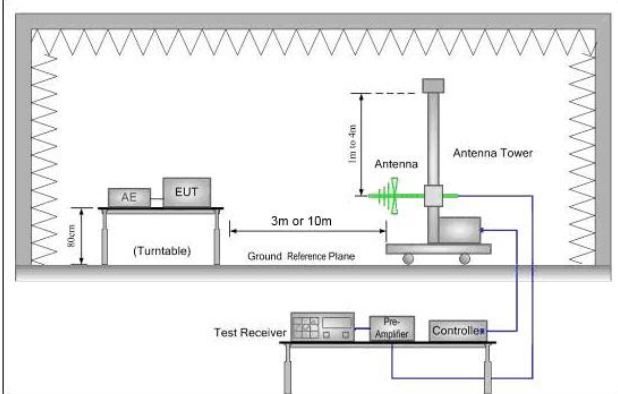


Figure 2. 30MHz to 1GHz

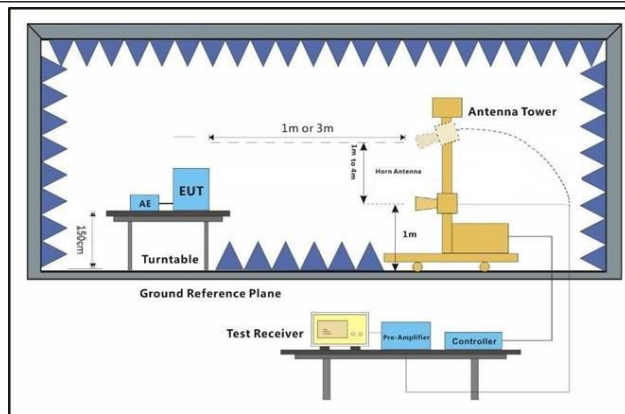


Figure 3. Above 1 GHz

Test Procedure:

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case.
- j. Repeat above procedures until all frequencies measured was complete.

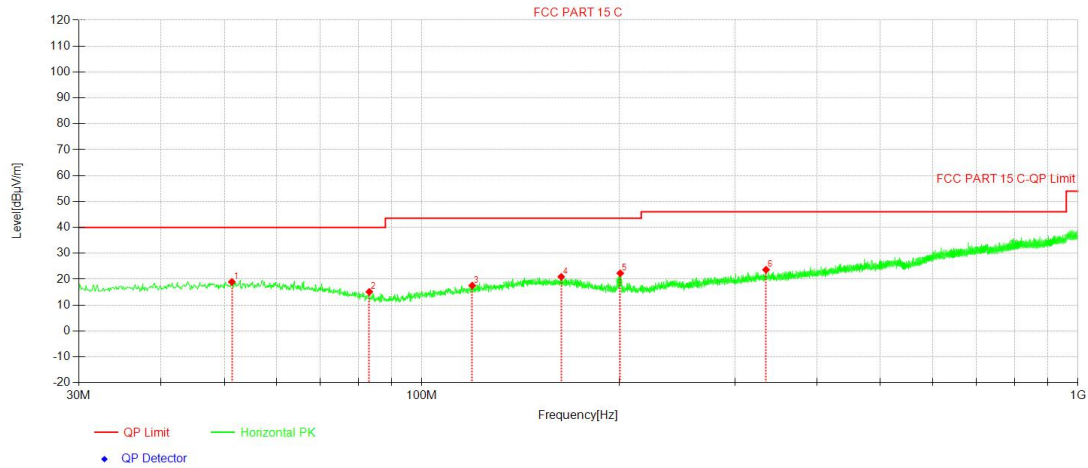


Test Configuration:	<p>Measurements Below 1000MHz</p> <ul style="list-style-type: none">• RBW = 120 kHz• VBW = 300 kHz• Detector = Peak• Trace mode = max hold <p>Peak Measurements Above 1000 MHz</p> <ul style="list-style-type: none">• RBW = 1 MHz• VBW \geq 3 MHz• Detector = Peak• Sweep time = auto• Trace mode = max hold <p>Average Measurements Above 1000MHz</p> <ul style="list-style-type: none">• RBW = 1 MHz• VBW = 10 Hz, when duty cycle is no less than 98 percent.• VBW \geq 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates. Charge+Transmitting mode.
Final Test Mode:	Pretest the EUT at Transmitting mode. Through Pre-scan, find the DH5 of data type is the worst case of All modulation type.
Instruments Used:	Refer to section 2.9 for details
Test Results:	Pass

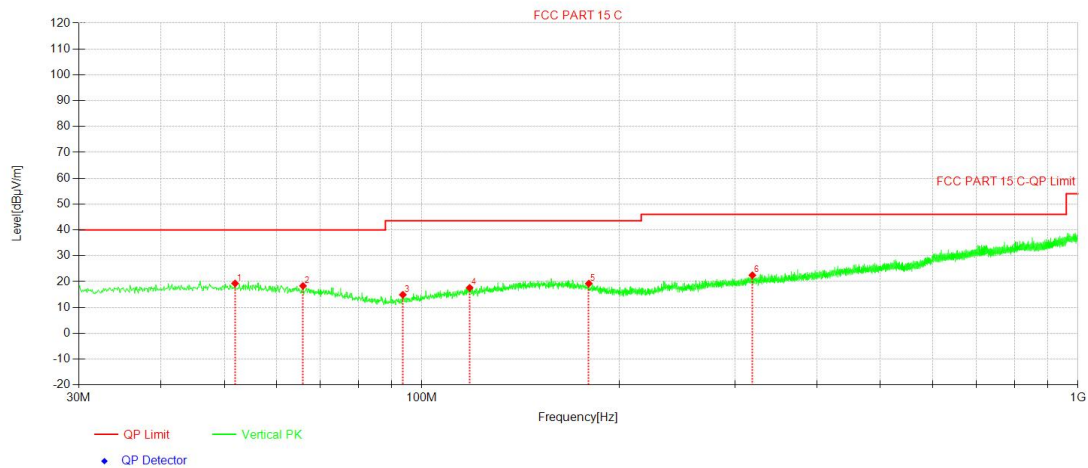


Test data

For 30-1000MHz



NO.	Freq. [MHz]	Reading Level [dBµV]	Correct Factor [dB/m]	Result Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark	Polarity
1	51.34	27.02	-8.08	18.94	40.00	21.06	100	284	PK	H
2	83.16	28.40	-13.28	15.12	40.00	24.88	100	321	PK	H
3	119.35	27.86	-10.33	17.53	43.50	25.97	100	205	PK	H
4	163.10	28.80	-7.87	20.93	43.50	22.57	100	300	PK	H
5	200.64	33.35	-11.08	22.27	43.50	21.23	100	94	PK	H
6	334.71	29.58	-5.93	23.65	46.00	22.35	100	216	PK	H

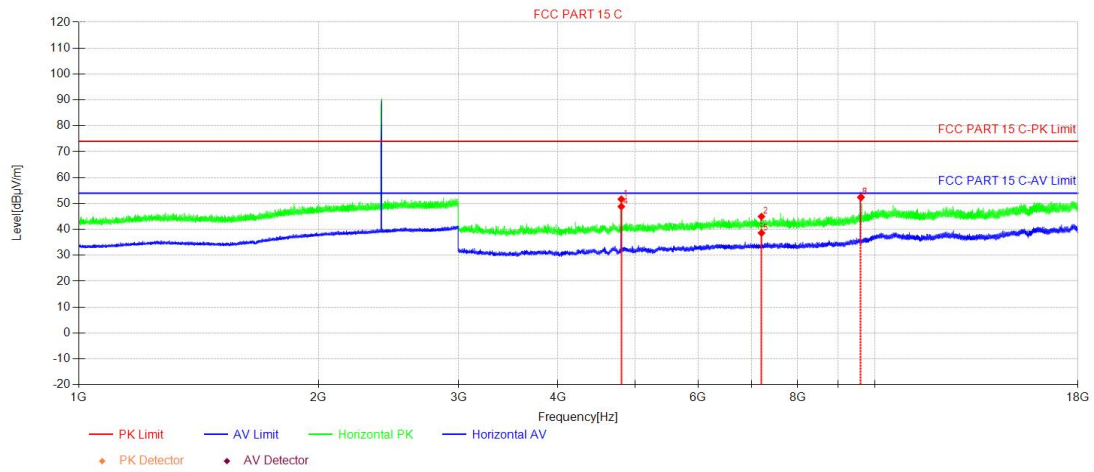


NO.	Freq. [MHz]	Reading Level [dBµV]	Correct Factor [dB/m]	Result Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark	Polarity
1	51.92	27.40	-8.10	19.30	40.00	20.70	100	237	PK	V
2	65.89	27.77	-9.44	18.33	40.00	21.67	100	109	PK	V
3	93.54	28.46	-13.55	14.91	43.50	28.59	100	4	PK	V
4	118.28	28.04	-10.42	17.62	43.50	25.88	100	206	PK	V
5	179.69	28.55	-9.29	19.26	43.50	24.24	100	322	PK	V
6	318.99	28.81	-6.34	22.47	46.00	23.53	100	200	PK	V

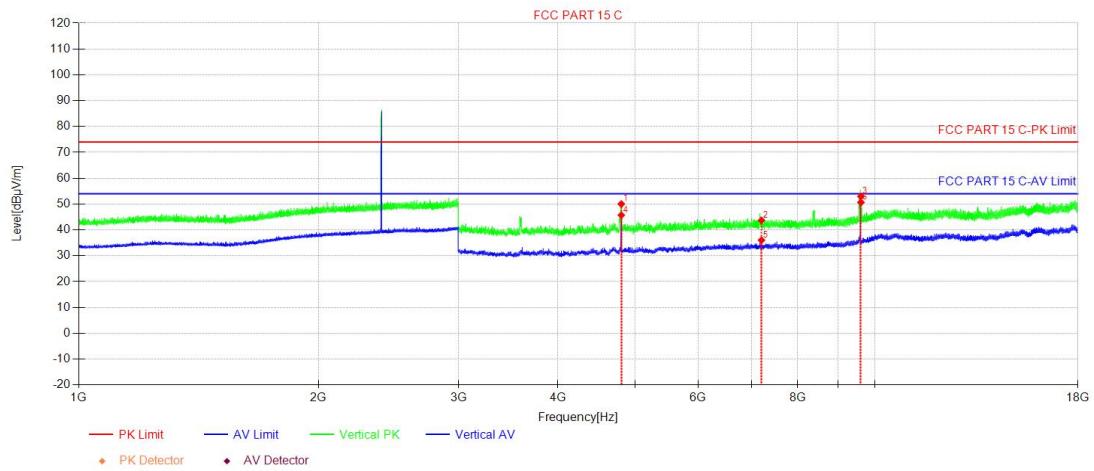


For above 1GHz

DH5 2402MHz



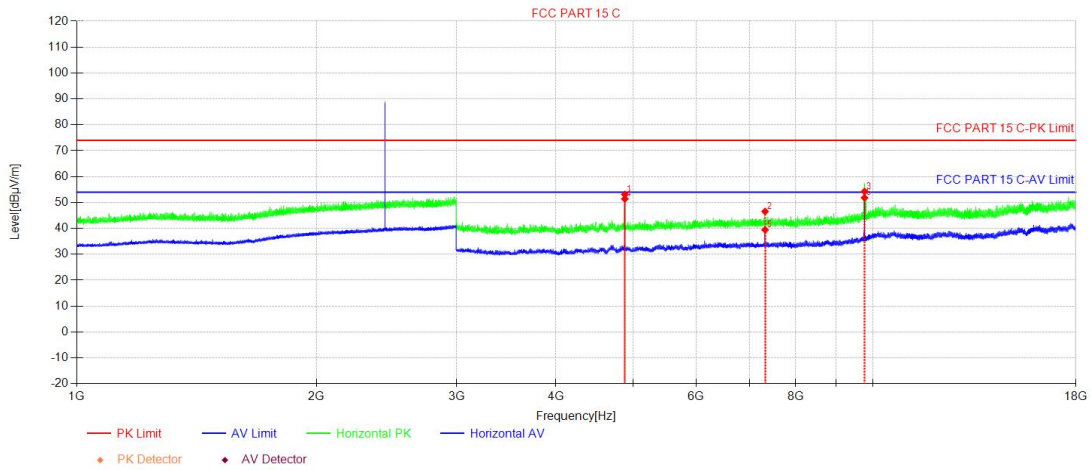
NO.	Freq. [MHz]	Reading Level [dBμV]	Correct Factor [dB/m]	Result Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark	Polarity
1	4804.00	56.29	-4.61	51.68	74.00	22.32	150	177	PK	H
2	7206.00	46.72	-1.76	44.96	74.00	29.04	150	177	PK	H
3	9608.00	51.42	0.88	52.30	74.00	21.70	150	3	PK	H
4	4804.00	53.42	-4.61	48.81	54.00	5.19	150	177	AV	H
5	7206.00	40.36	-1.76	38.60	54.00	15.40	150	177	AV	H
6	9608.00	51.60	0.88	52.48	54.00	1.52	150	3	AV	H



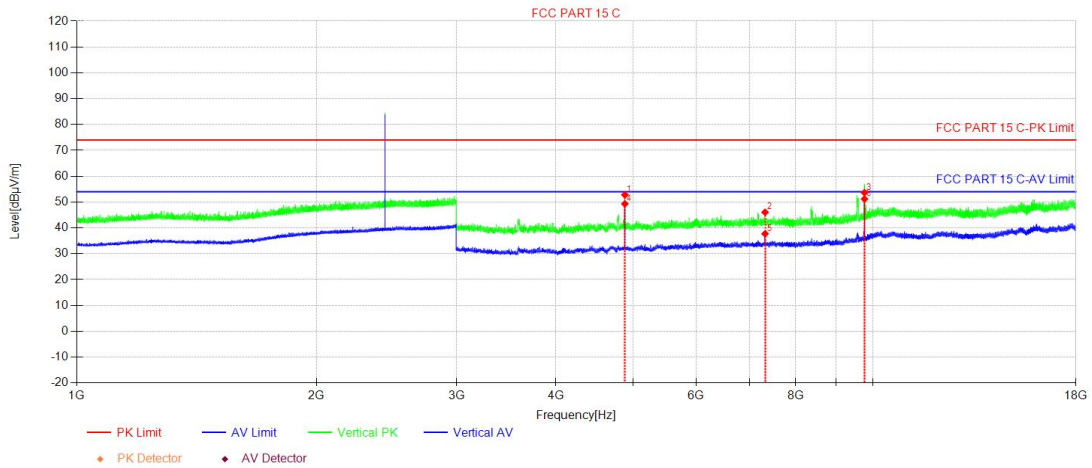
NO.	Freq. [MHz]	Reading Level [dBμV]	Correct Factor [dB/m]	Result Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark	Polarity
1	4804.00	54.64	-4.61	50.03	74.00	23.97	150	198	PK	V
2	7206.00	45.44	-1.76	43.68	74.00	30.32	150	230	PK	V
3	9608.00	52.07	0.88	52.95	74.00	21.05	150	198	PK	V
4	4804.00	50.31	-4.61	45.70	54.00	8.30	150	279	AV	V
5	7206.00	37.77	-1.76	36.01	54.00	17.99	150	174	AV	V
6	9608.00	49.76	0.88	50.64	54.00	3.36	150	198	AV	V



DH5 2441MHz



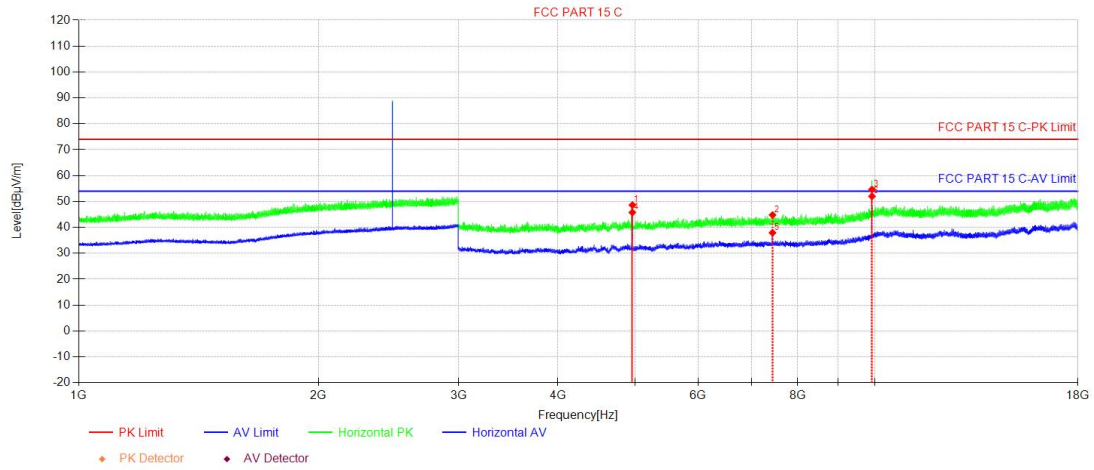
NO.	Freq. [MHz]	Reading Level [dBµV]	Correct Factor [dB/m]	Result Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark	Polarity
1	4882.00	57.83	-4.72	53.11	74.00	20.89	150	199	PK	H
2	7323.00	48.02	-1.49	46.53	74.00	27.47	150	175	PK	H
3	9764.00	52.61	1.64	54.25	74.00	19.75	150	72	PK	H
4	4882.00	56.09	-4.72	51.37	54.00	2.63	150	175	AV	H
5	7323.00	40.94	-1.49	39.45	54.00	14.55	150	175	AV	H
6	9764.00	50.19	1.64	51.83	54.00	2.17	150	48	AV	H



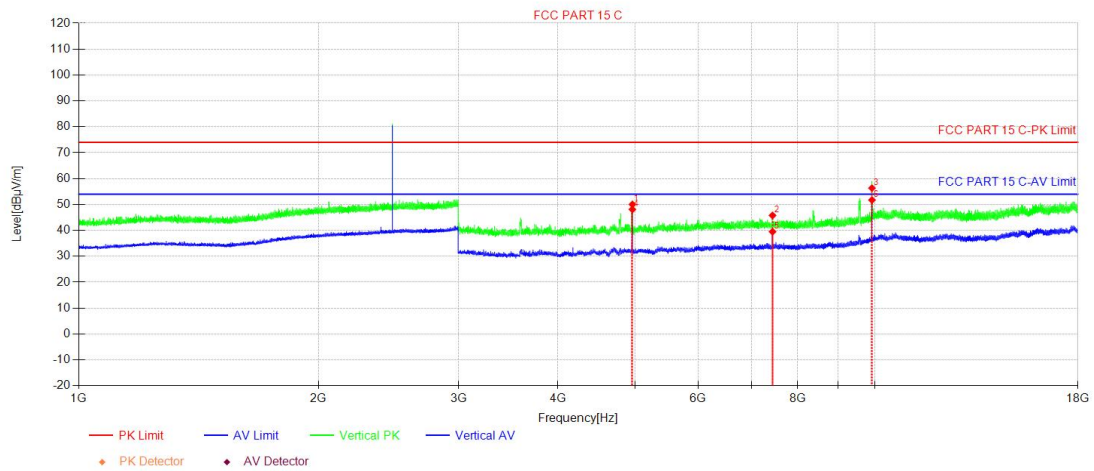
NO.	Freq. [MHz]	Reading Level [dBµV]	Correct Factor [dB/m]	Result Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark	Polarity
1	4882.00	57.53	-4.72	52.81	74.00	21.19	150	177	PK	V
2	7323.00	47.54	-1.49	46.05	74.00	27.95	150	177	PK	V
3	9764.00	52.01	1.64	53.65	74.00	20.35	150	257	PK	V
4	4882.00	54.03	-4.72	49.31	54.00	4.69	150	177	AV	V
5	7323.00	39.21	-1.49	37.72	54.00	16.28	150	150	AV	V
6	9764.00	49.54	1.64	51.18	54.00	2.82	150	257	AV	V



DH5 2480MHz



NO.	Freq. [MHz]	Reading Level [dBµV]	Correct Factor [dB/m]	Result Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark	Polarity
1	4960.00	53.47	-4.86	48.61	74.00	25.39	150	360	PK	H
2	7440.00	46.15	-1.34	44.81	74.00	29.19	150	175	PK	H
3	9920.00	52.37	2.27	54.64	74.00	19.36	150	360	PK	H
4	4960.00	50.63	-4.86	45.77	54.00	8.23	150	280	AV	H
5	7440.00	39.27	-1.34	37.93	54.00	16.07	150	229	AV	H
6	9920.00	49.73	2.27	52.00	54.00	2.00	150	352	AV	H



NO.	Freq. [MHz]	Reading Level [dBµV]	Correct Factor [dB/m]	Result Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark	Polarity
1	4960.00	54.89	-4.86	50.03	74.00	23.97	150	173	PK	V
2	7440.00	47.11	-1.34	45.77	74.00	28.23	150	200	PK	V
3	9920.00	54.06	2.27	56.33	74.00	17.67	150	173	PK	V
4	4960.00	52.96	-4.86	48.10	54.00	5.90	150	173	AV	V
5	7440.00	40.84	-1.34	39.50	54.00	14.50	150	173	AV	V
6	9920.00	49.45	2.27	51.72	54.00	2.28	150	173	AV	V



Note:

1. The Measurement (Result Level) is calculated by Reading Level adding the Correct Factor(maybe including Ant.Factor and the Cable Factor etc.), The basic equation is as follows:
Result Level= Reading Level + Correct Factor(including Ant.Factor, Cable Factor etc.)
2. The amplitude of 9KHz to 30MHz spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.
3. The amplitude of 18GHz to 25GHz spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be report.
4. All channels had been pre-test, DH5 is the worst case, only the worst case was reported.



3.10 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205		
Test Method:	ANSI C63.10: 2020 Section 7.8.8 /6.3 / 6.6		
Test Site:	Measurement Distance: 3m or 10m (Semi-Anechoic Chamber)		
Limit:	Frequency	Limit (dBuV/m)	Remark
	30MHz-88MHz	40.0	Quasi-peak
	88MHz-216MHz	43.5	Quasi-peak
	216MHz-960MHz	46.0	Quasi-peak
	960MHz-1GHz	54.0	Quasi-peak
Above 1GHz		54.0	Average Value
		74.0	Peak Value
Test Setup:			

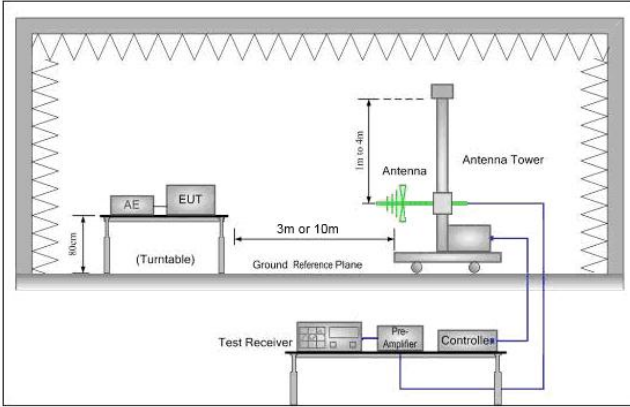


Figure 1. 30MHz to 1GHz

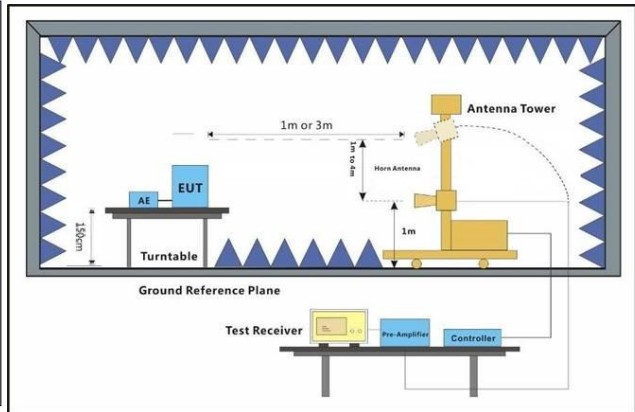


Figure 2. Above 1 GHz

Test Procedure:	<ol style="list-style-type: none"> For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel Test the EUT in the lowest channel , the Highest channel The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode,And found the X axis positioning which it is worse case. Repeat above procedures until all frequencies measured was complete.
Test Configuration:	Measurements Below 1000MHz

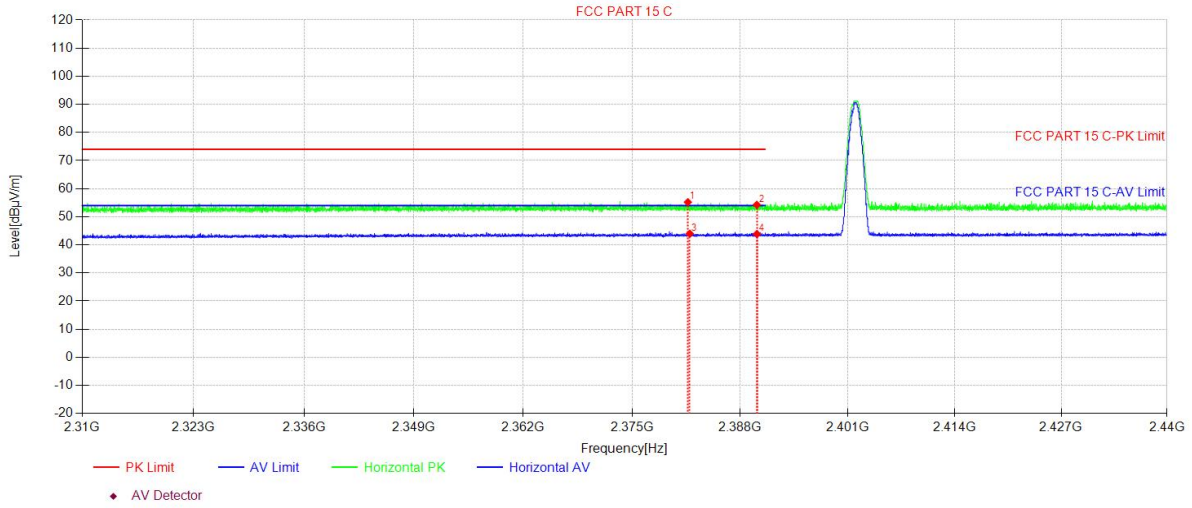


	<ul style="list-style-type: none">• RBW = 120 kHz• VBW = 300 kHz• Detector = Peak• Trace mode = max hold <p>Peak Measurements Above 1000 MHz</p> <ul style="list-style-type: none">• RBW = 1 MHz• VBW \geq 3 MHz• Detector = Peak• Sweep time = auto• Trace mode = max hold <p>Average Measurements Above 1000MHz</p> <ul style="list-style-type: none">• RBW = 1 MHz• VBW = 10 Hz, when duty cycle is no less than 98 percent.• VBW \geq 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates. Transmitting mode.
Final Test Mode:	Pretest the EUT Transmitting mode. Through Pre-scan, find the DH5 of data type is the worst case of all modulation type. Only the worst case is recorded in the report.
Instruments Used:	Refer to section 2.9 for details
Test Results:	Pass

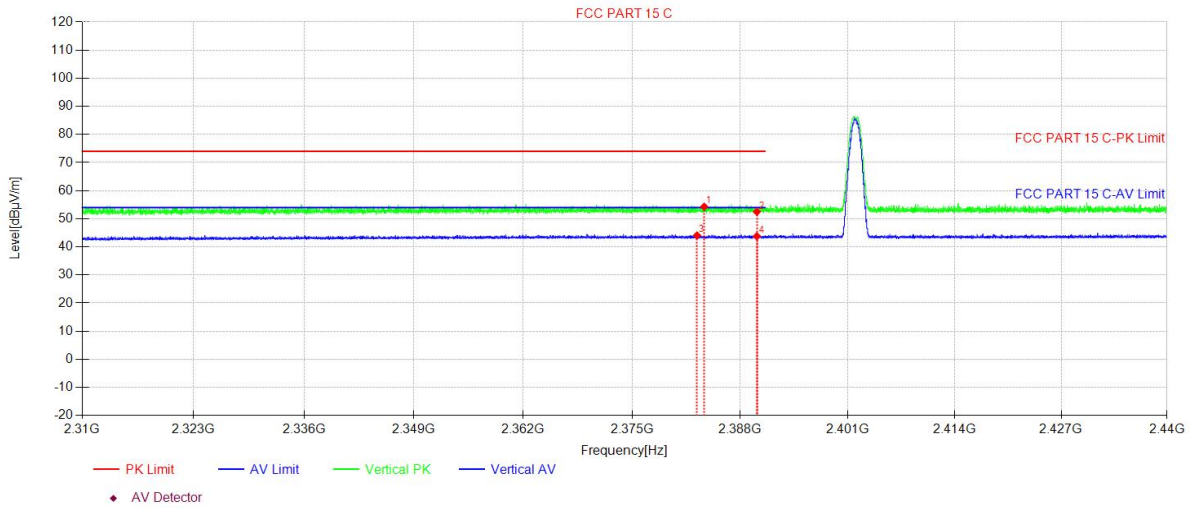


Test Date

DH5 2402MHz



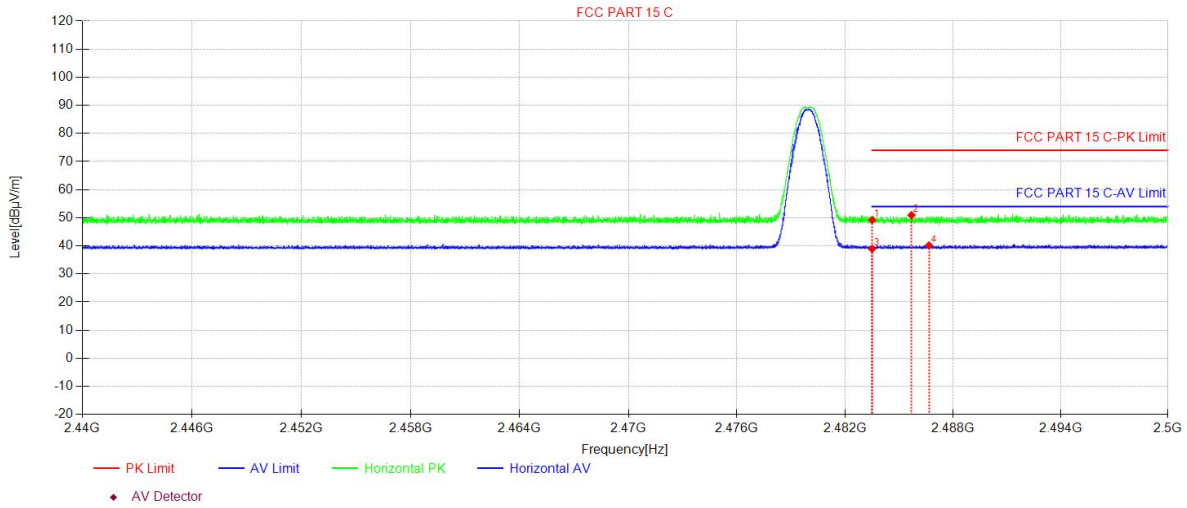
NO.	Freq. [MHz]	Reading Level [dBµV]	Correct Factor [dB/m]	Result Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark	Polarity
1	2381.70	56.02	-0.83	55.19	74.00	18.81	150	188	PK	H
2	2390.01	55.05	-0.80	54.25	74.00	19.75	150	257	PK	H
3	2381.94	44.81	-0.83	43.98	54.00	10.02	150	0	AV	H
4	2390.01	44.66	-0.80	43.86	54.00	10.14	150	87	AV	H



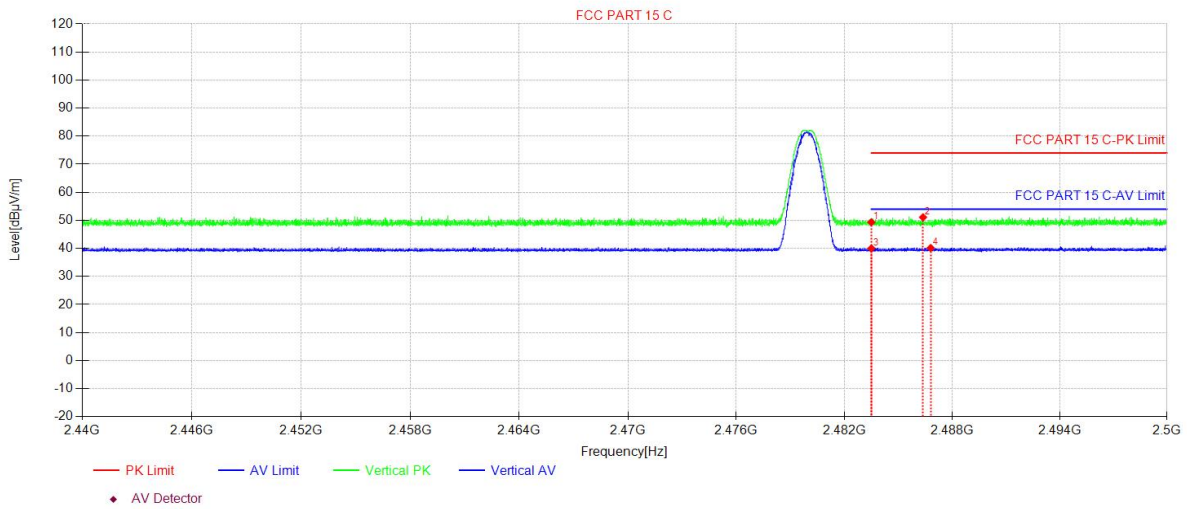
NO.	Freq. [MHz]	Reading Level [dBµV]	Correct Factor [dB/m]	Result Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark	Polarity
1	2383.67	55.13	-0.82	54.31	74.00	19.69	150	4	PK	V
2	2390.01	53.30	-0.80	52.50	74.00	21.50	150	334	PK	V
3	2382.81	44.89	-0.83	44.06	54.00	9.94	150	322	AV	V
4	2390.01	44.60	-0.80	43.80	54.00	10.20	150	312	AV	V



DH5 2480MHz



NO.	Freq. [MHz]	Reading Level [dBμV]	Correct Factor [dB/m]	Result Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark	Polarity
1	2483.50	49.51	-0.29	49.22	74.00	24.78	150	243	PK	H
2	2485.69	51.22	-0.27	50.95	74.00	23.05	150	232	PK	H
3	2483.50	39.23	-0.29	38.94	54.00	15.06	150	62	AV	H
4	2486.67	40.42	-0.26	40.16	54.00	13.84	150	62	AV	H



NO.	Freq. [MHz]	Reading Level [dBμV]	Correct Factor [dB/m]	Result Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark	Polarity
1	2483.50	49.60	-0.29	49.31	74.00	24.69	150	132	PK	V
2	2486.38	51.35	-0.26	51.09	74.00	22.91	150	334	PK	V
3	2483.50	40.29	-0.29	40.00	54.00	14.00	150	109	AV	V
4	2486.80	40.39	-0.26	40.13	54.00	13.87	150	221	AV	V

Note:

1. All channels had been pre-test, DH5 is the worst case, only the worst case was reported
2. The Measurement (Result Level) is calculated by Reading Level adding the Correct Factor(maybe including Ant.Factor and the Cable Factor etc.), The basic equation is as follows:

Result Level= Reading Level + Correct Factor(including Ant.Factor ,Cable Factor etc.)



3.11 AC Power Line Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207														
Test Method:	ANSI C63.10: 2020 Section 6.2														
Test Frequency Range:	150kHz to 30MHz														
Limit:	<table border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th> <th colspan="2">Limit (dBuV)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15-0.5</td> <td>66 to 56*</td> <td>56 to 46*</td> </tr> <tr> <td>0.5-5</td> <td>56</td> <td>46</td> </tr> <tr> <td>5-30</td> <td>60</td> <td>50</td> </tr> </tbody> </table>	Frequency range (MHz)	Limit (dBuV)		Quasi-peak	Average	0.15-0.5	66 to 56*	56 to 46*	0.5-5	56	46	5-30	60	50
	Frequency range (MHz)		Limit (dBuV)												
		Quasi-peak	Average												
	0.15-0.5	66 to 56*	56 to 46*												
	0.5-5	56	46												
5-30	60	50													
* Decreases with the logarithm of the frequency.															
Test Procedure:	<p>1) The mains terminal disturbance voltage test was conducted in a shielded room.</p> <p>2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50\Omega/50\mu\text{H} + 5\Omega$ linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.</p> <p>3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,</p> <p>4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2020 on conducted measurement.</p>														
Test Setup:															
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates at lowest, middle and highest channel. Charge + Transmitting mode.														
Final Test Mode:	Through Pre-scan, find the the worst case.														

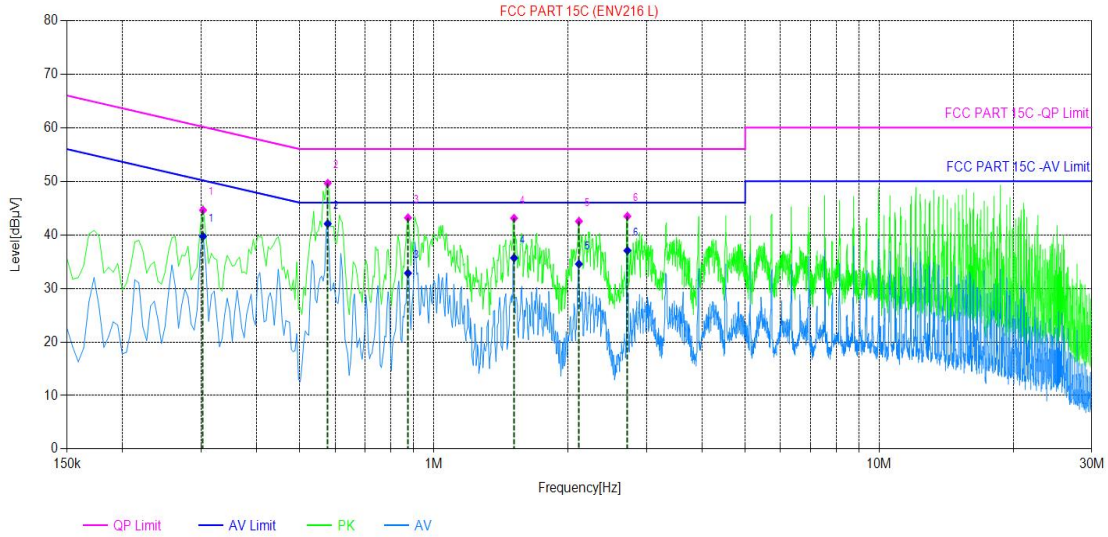


Instruments Used:	Refer to section 2.9 for details
Test Results:	PASS

Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

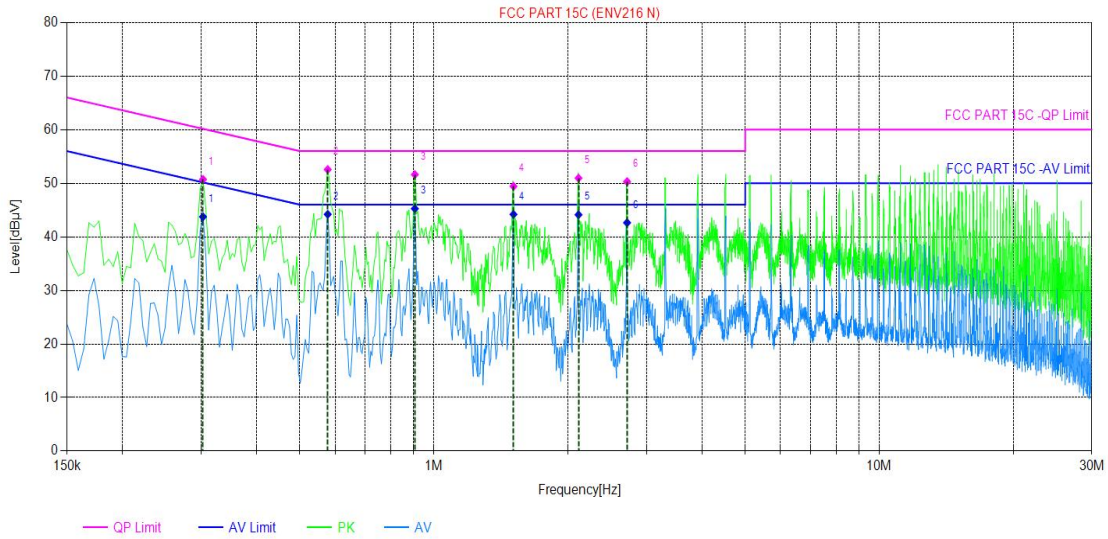
Live Line:



Final Data List									
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Verdict
1	0.303	9.89	44.60	60.16	15.56	39.72	50.16	10.44	PASS
2	0.5775	9.83	49.63	56.00	6.37	42.06	46.00	3.94	PASS
3	0.8745	9.74	43.17	56.00	12.83	32.84	46.00	13.16	PASS
4	1.5135	9.73	43.10	56.00	12.90	35.68	46.00	10.32	PASS
5	2.1165	9.73	42.53	56.00	13.47	34.55	46.00	11.45	PASS
6	2.7195	9.74	43.46	56.00	12.54	37.06	46.00	8.94	PASS



Neutral Line:



Final Data List									
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Verdict
1	0.303	9.88	50.71	60.16	9.45	43.74	50.16	6.42	PASS
2	0.5775	9.77	52.56	56.00	3.44	44.20	46.00	1.80	PASS
3	0.906	9.74	51.62	56.00	4.38	45.26	46.00	0.74	PASS
4	1.509	9.73	49.43	56.00	6.57	44.19	46.00	1.81	PASS
5	2.112	9.79	50.96	56.00	5.04	44.12	46.00	1.88	PASS
6	2.715	9.84	50.30	56.00	5.70	42.63	46.00	3.37	PASS

Remark:

- The following Quasi-Peak and Average measurements were performed on the EUT:
- The Measurement (Result Level) is calculated by Reading Level adding the Correct Factor(maybe including LISN Factor and the Cable Factor etc.), The basic equation is as follows:

$$\text{Result Level} = \text{Reading Level} + \text{Correct Factor}(\text{including LISN Factor, Cable Factor etc.})$$



4 Appendix

Appendix A: 20dB Emission Bandwidth

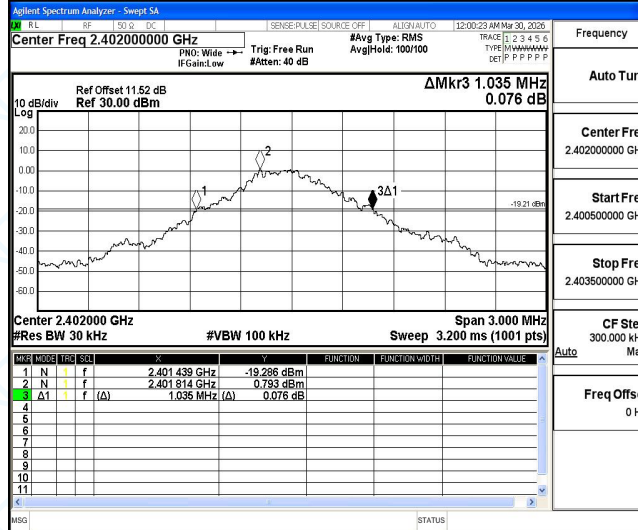
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.035	2401.439	2402.474	---	---
DH5	Ant1	2441	1.062	2440.421	2441.483	---	---
DH5	Ant1	2480	1.044	2479.433	2480.477	---	---
2DH5	Ant1	2402	1.326	2401.301	2402.627	---	---
2DH5	Ant1	2441	1.320	2440.304	2441.624	---	---
2DH5	Ant1	2480	1.284	2479.334	2480.618	---	---
3DH5	Ant1	2402	1.287	2401.322	2402.609	---	---
3DH5	Ant1	2441	1.245	2440.340	2441.585	---	---
3DH5	Ant1	2480	1.260	2479.331	2480.591	---	---

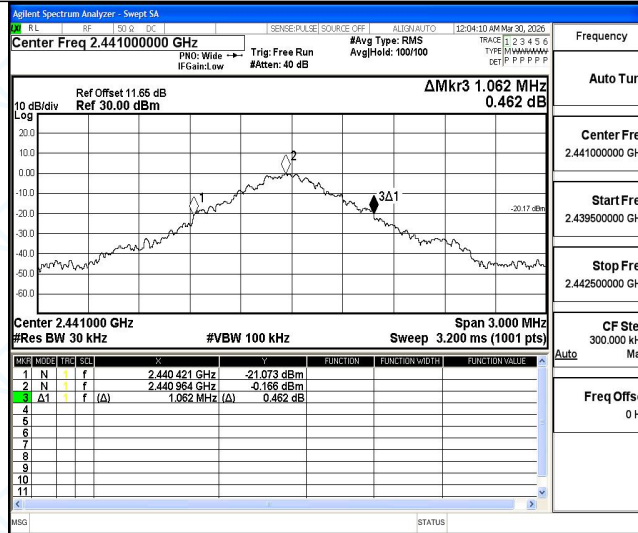


Test Graphs

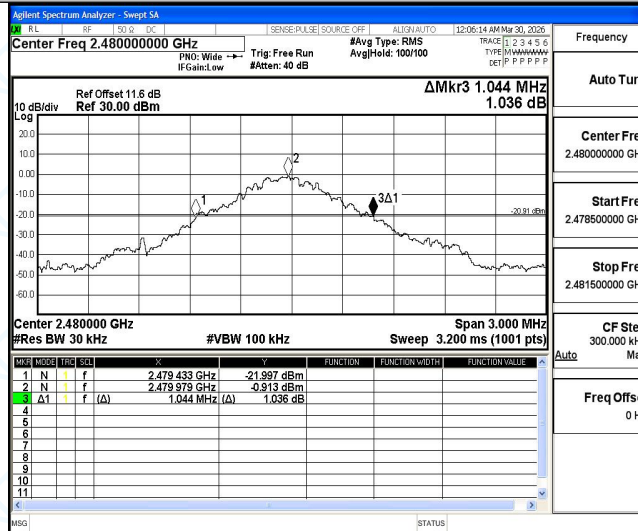
DH5-Ant1-2402



DH5-Ant1-2441

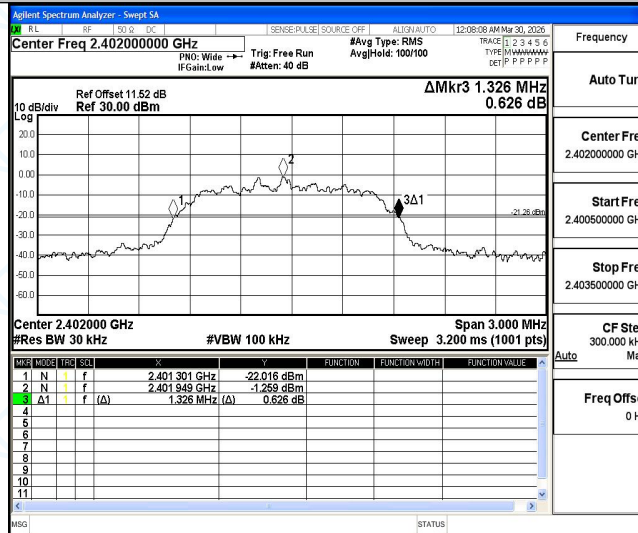


DH5-Ant1-2480

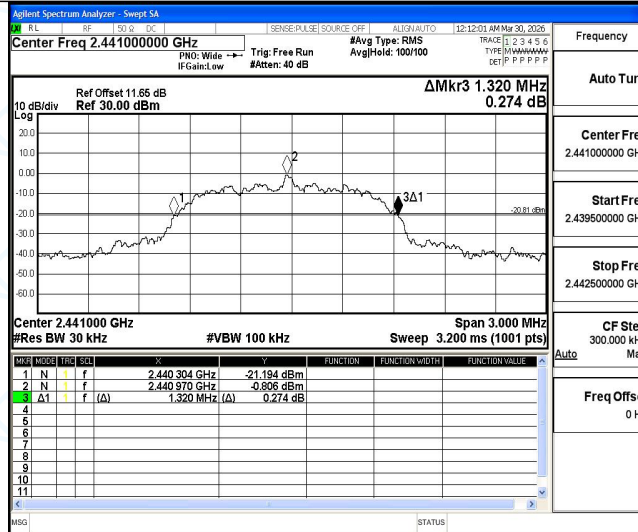




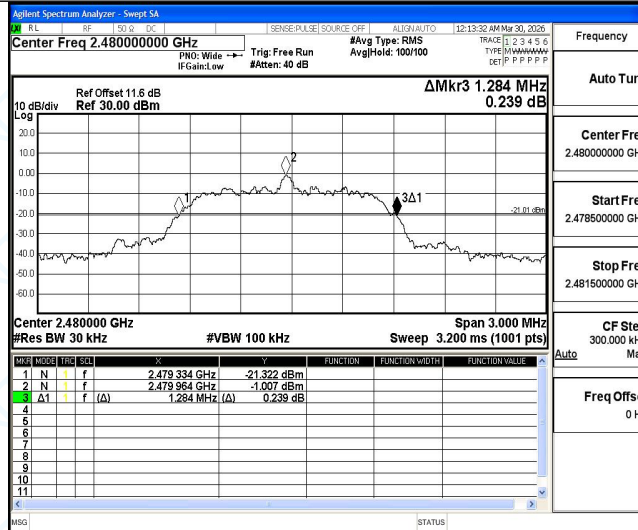
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2DH5-Ant1-2441

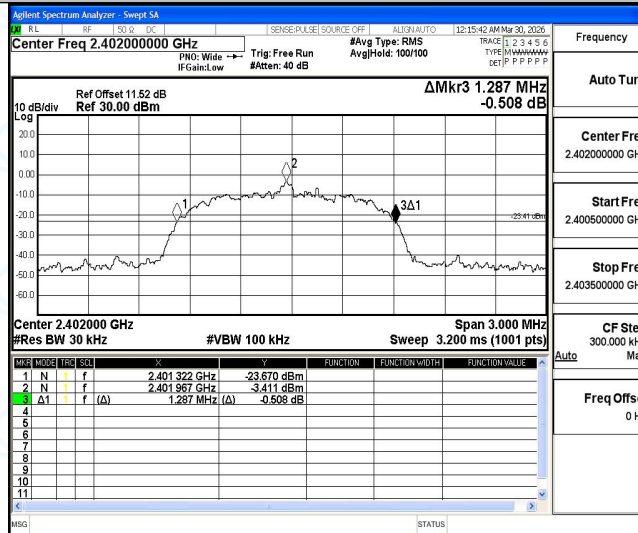


2DH5-Ant1-2480

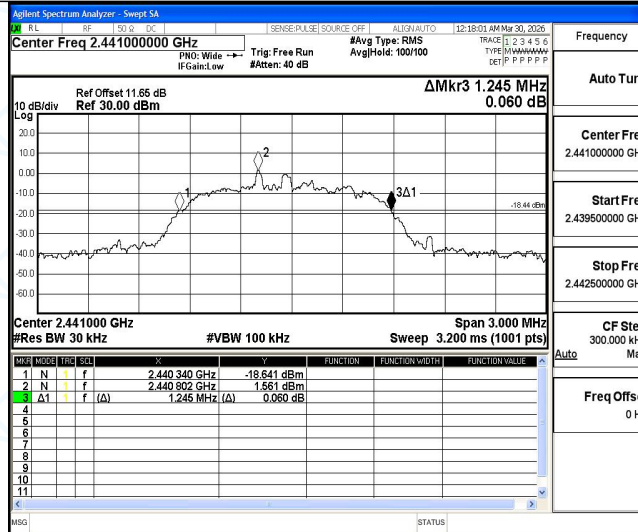




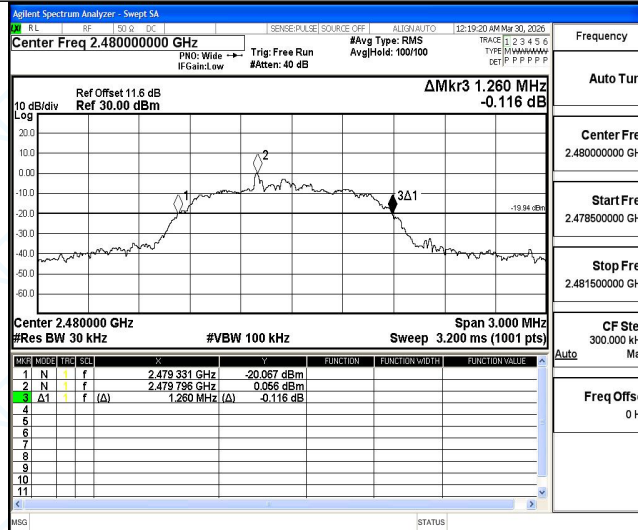
3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480



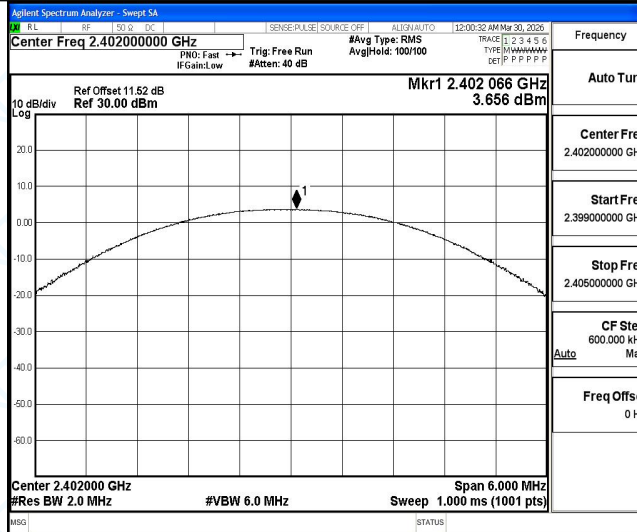
**Appendix B: Maximum conducted output power****Test Result**

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	3.66	≤20.97	PASS
DH5	Ant1	2441	3.12	≤20.97	PASS
DH5	Ant1	2480	2.18	≤20.97	PASS
2DH5	Ant1	2402	4.10	≤20.97	PASS
2DH5	Ant1	2441	3.45	≤20.97	PASS
2DH5	Ant1	2480	2.48	≤20.97	PASS
3DH5	Ant1	2402	1.02	≤20.97	PASS
3DH5	Ant1	2441	3.78	≤20.97	PASS
3DH5	Ant1	2480	2.93	≤20.97	PASS

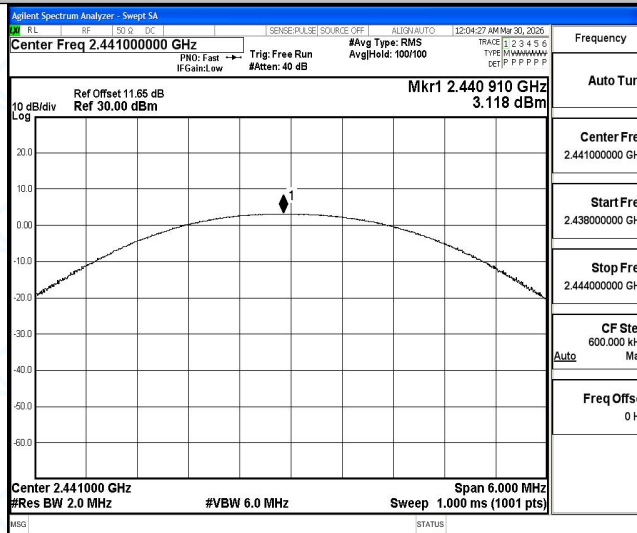


Test Graphs

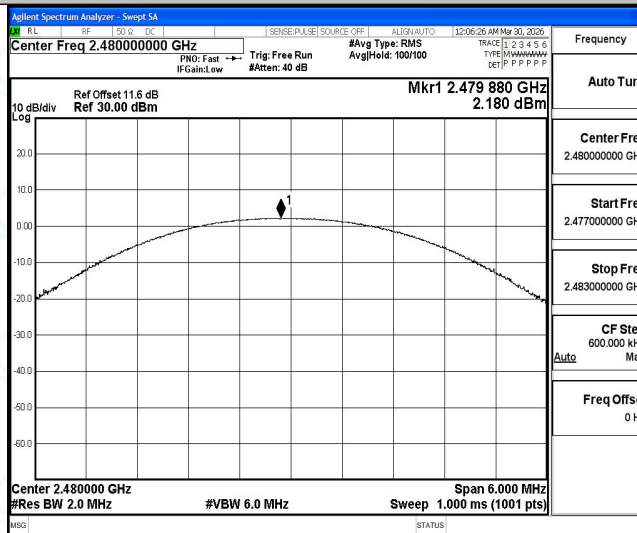
DH5-Ant1-2402-PASS



DH5-Ant1-2441-PASS

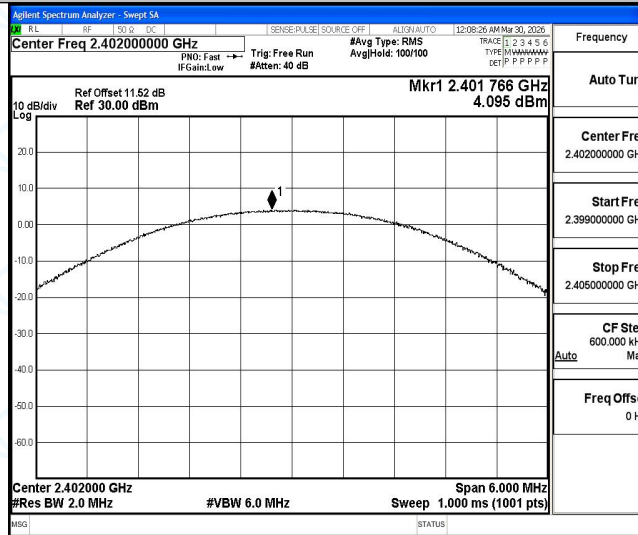


DH5-Ant1-2480-PASS

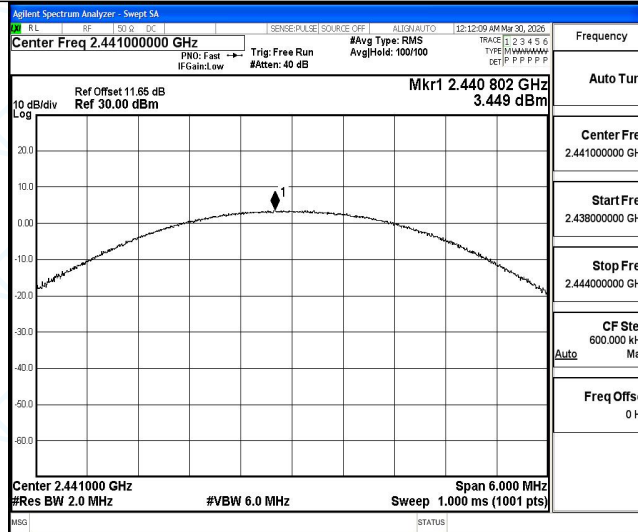




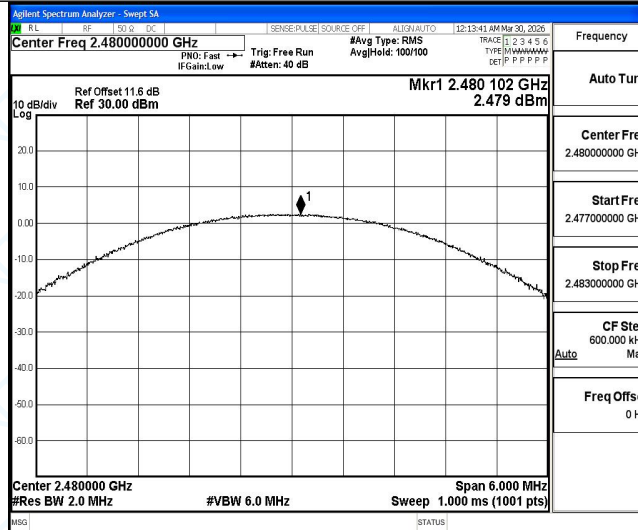
2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS

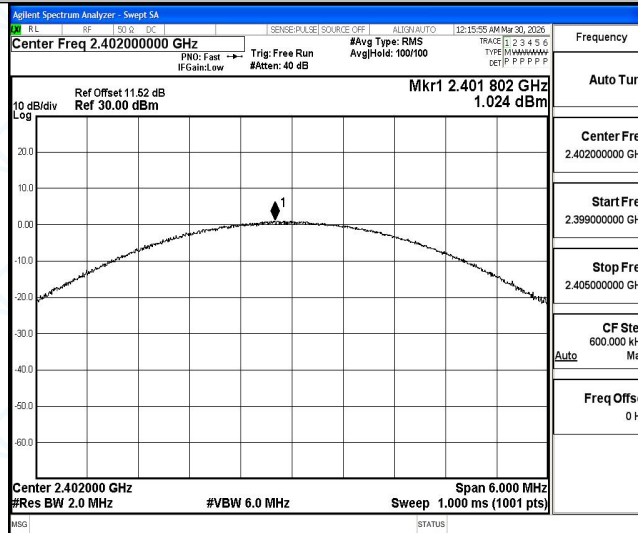


2DH5-Ant1-2480-PASS

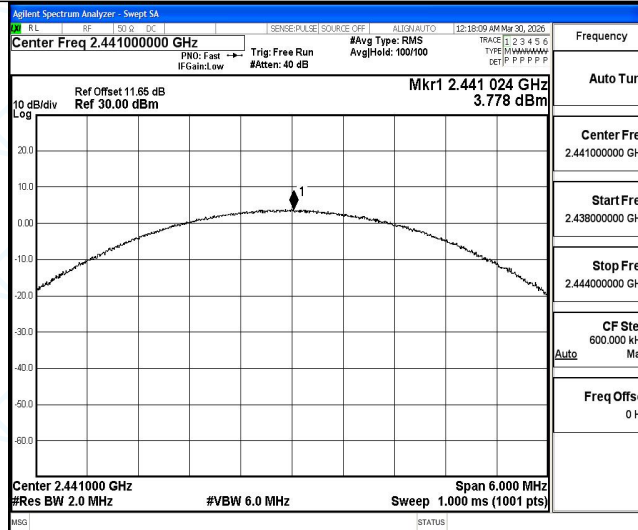




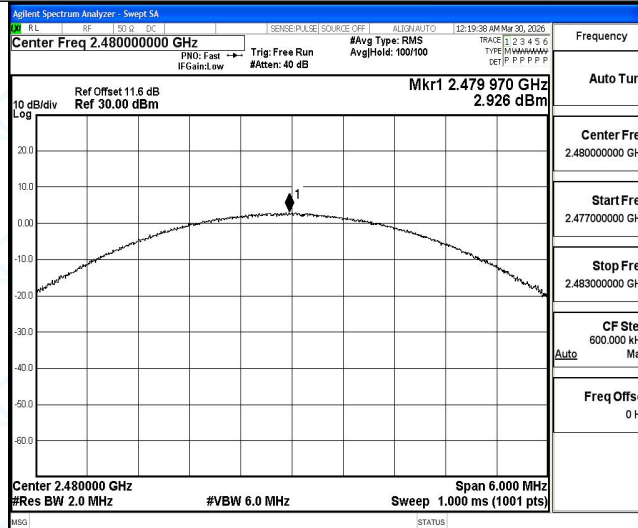
3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS



3DH5-Ant1-2480-PASS





Appendix C: Carrier frequency separation

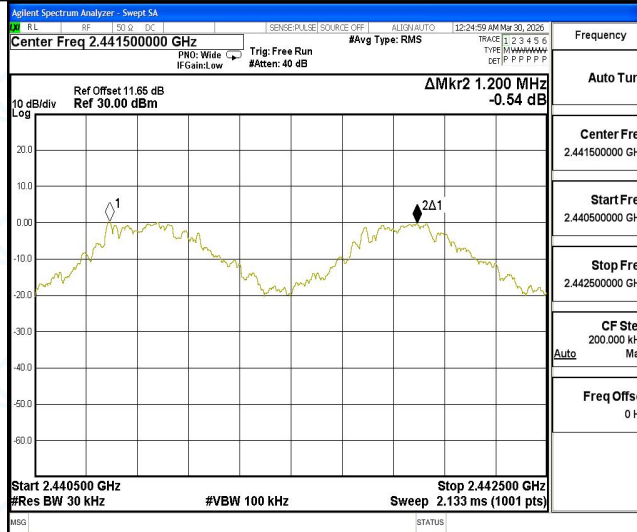
Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.2	≥ 1.062	PASS
2DH5	Ant1	Hop	1.008	≥ 0.884	PASS
3DH5	Ant1	Hop	0.998	≥ 0.858	PASS

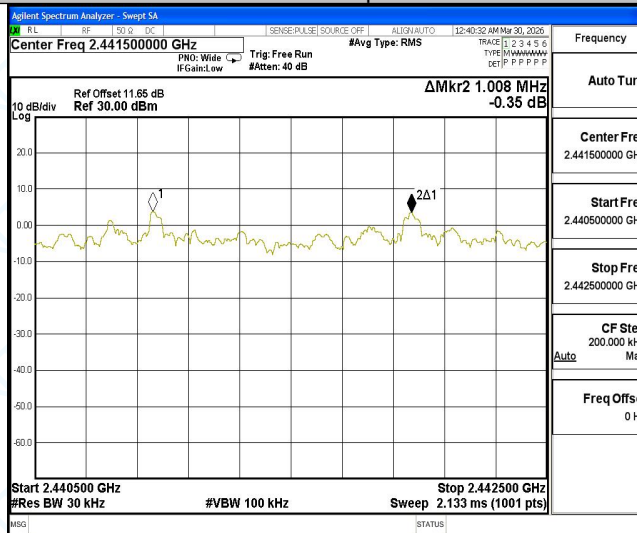


Test Graphs

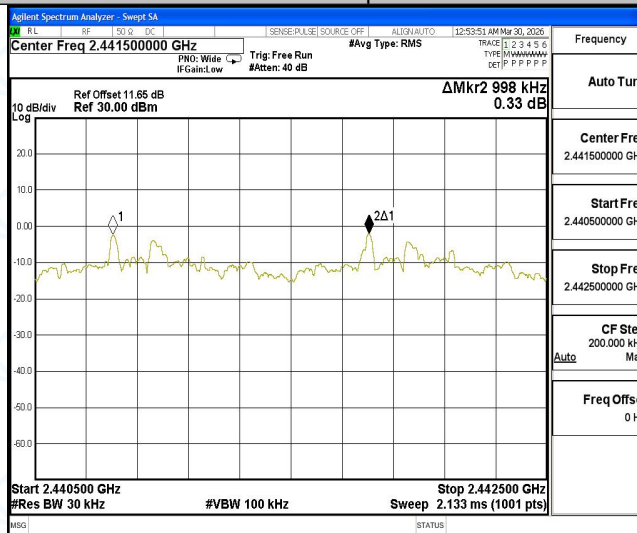
DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS





Appendix D: Dwell Time

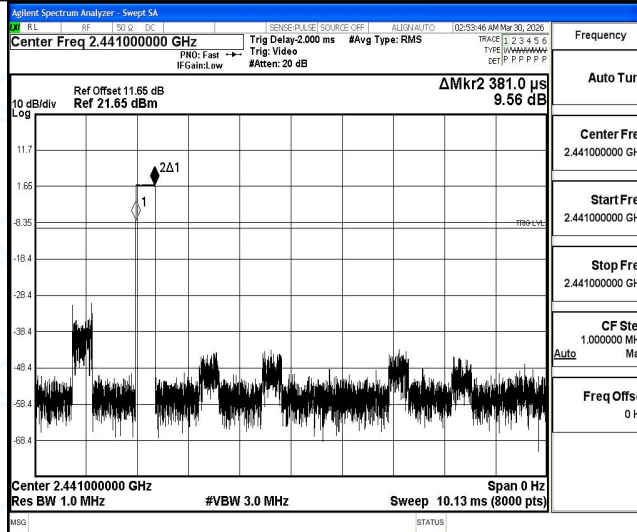
Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.381	320	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.620	160	0.259	≤0.4	PASS
DH5	Ant1	Hop	2.868	106.67	0.306	≤0.4	PASS
2DH1	Ant1	Hop	0.381	320	0.122	≤0.4	PASS
2DH3	Ant1	Hop	1.631	160	0.261	≤0.4	PASS
2DH5	Ant1	Hop	2.879	106.67	0.307	≤0.4	PASS
3DH1	Ant1	Hop	0.390	320	0.125	≤0.4	PASS
3DH3	Ant1	Hop	1.629	160	0.261	≤0.4	PASS
3DH5	Ant1	Hop	2.880	106.67	0.307	≤0.4	PASS

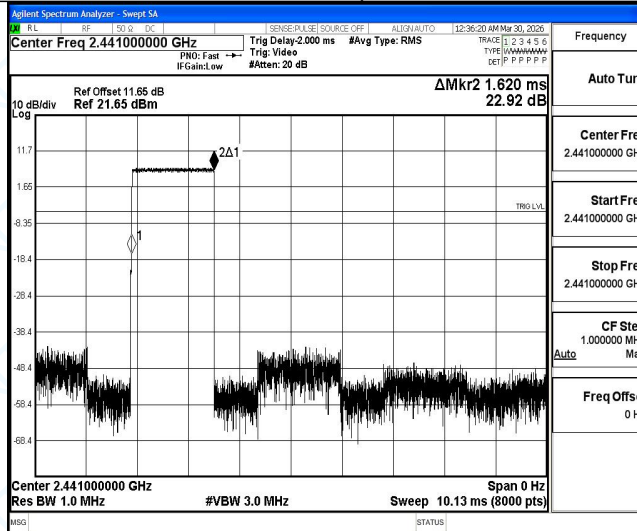


Test Graphs

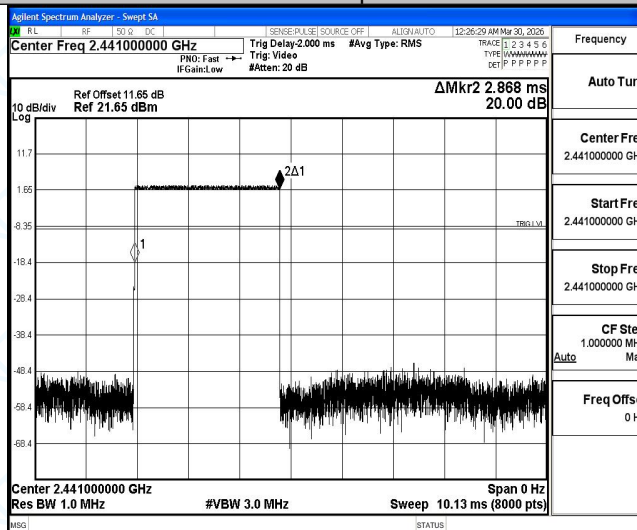
DH1-Ant1-Hop-PASS



DH3-Ant1-Hop-PASS

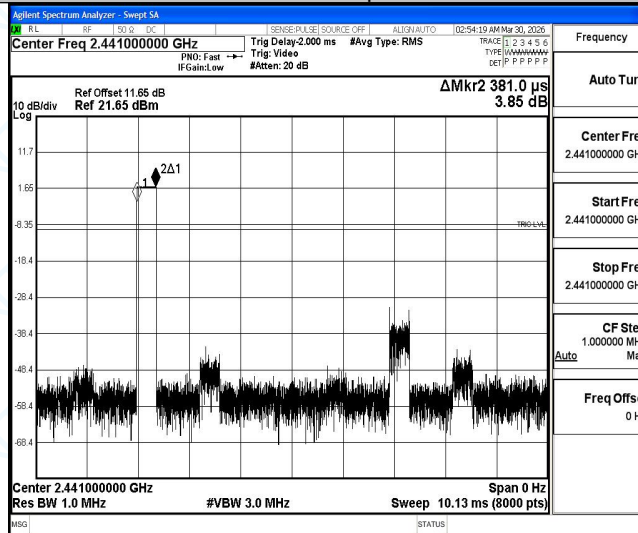


DH5-Ant1-Hop-PASS

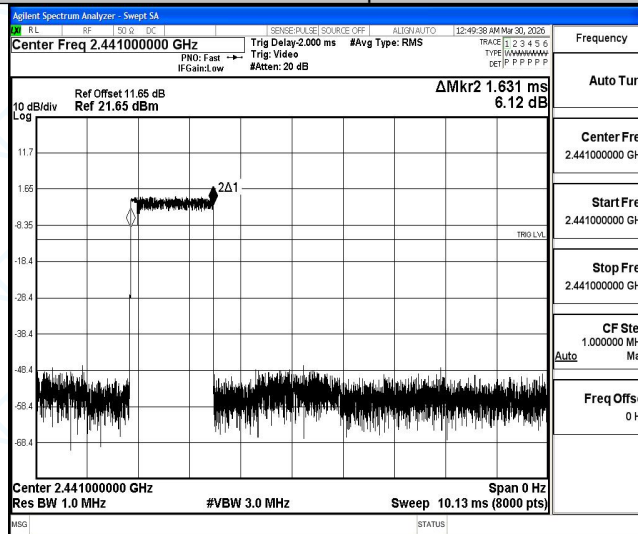




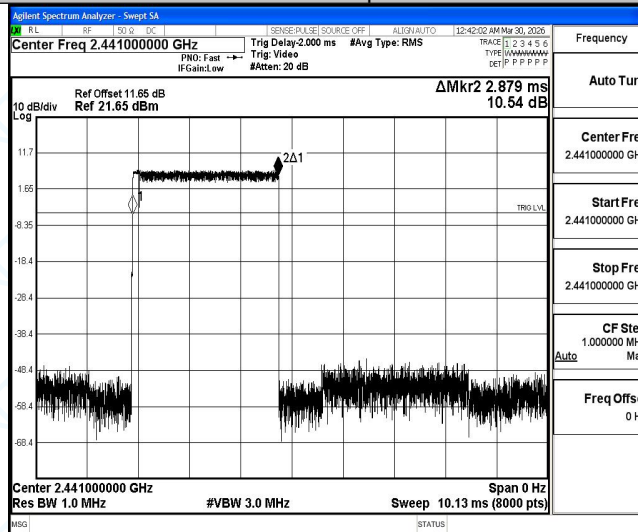
2DH1-Ant1-Hop-PASS



2DH3-Ant1-Hop-PASS

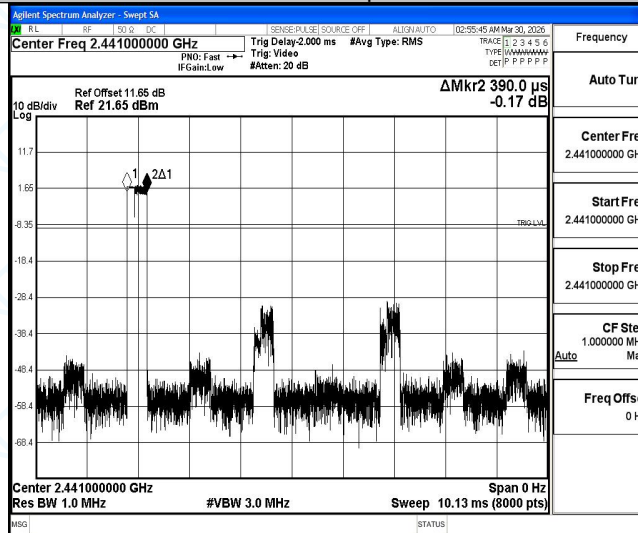


2DH5-Ant1-Hop-PASS

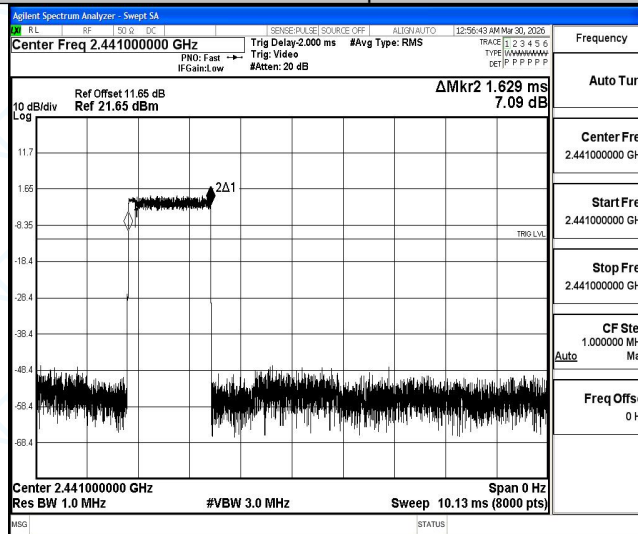




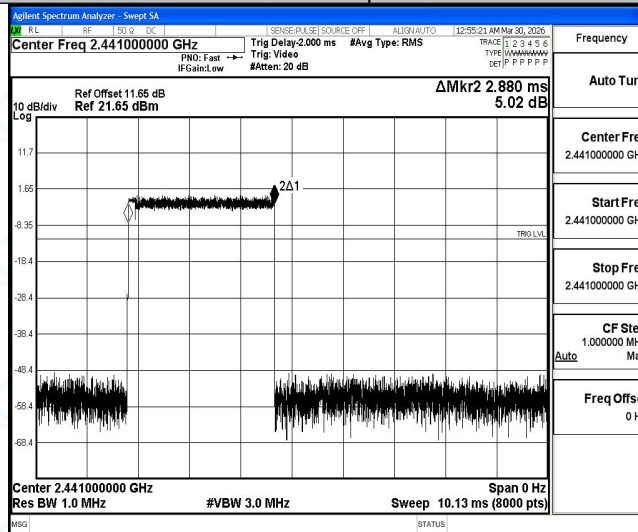
3DH1-Ant1-Hop-PASS



3DH3-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS





Appendix E: Number of hopping channels

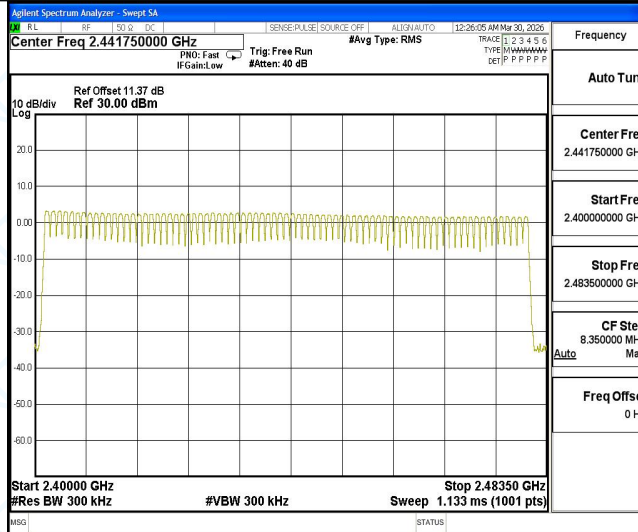
Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

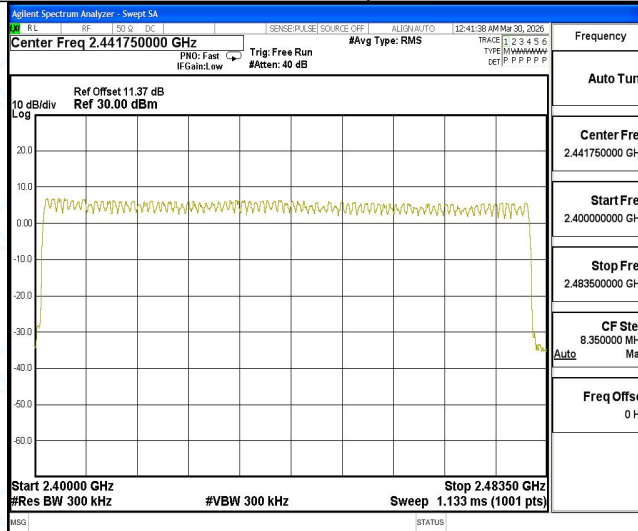


Test Graphs

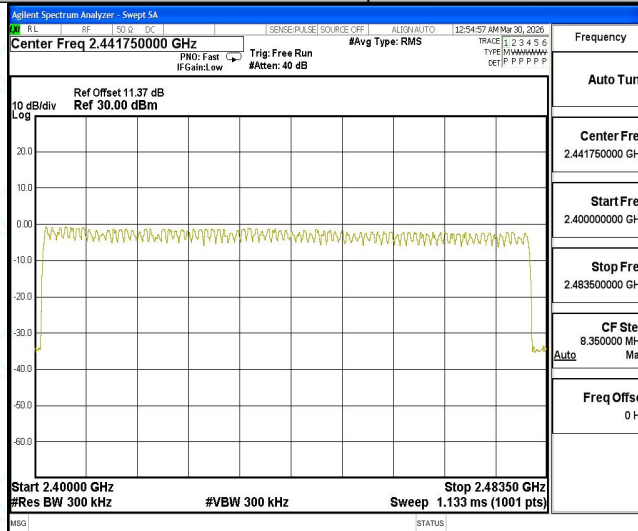
DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS





Appendix F: Band edge measurements

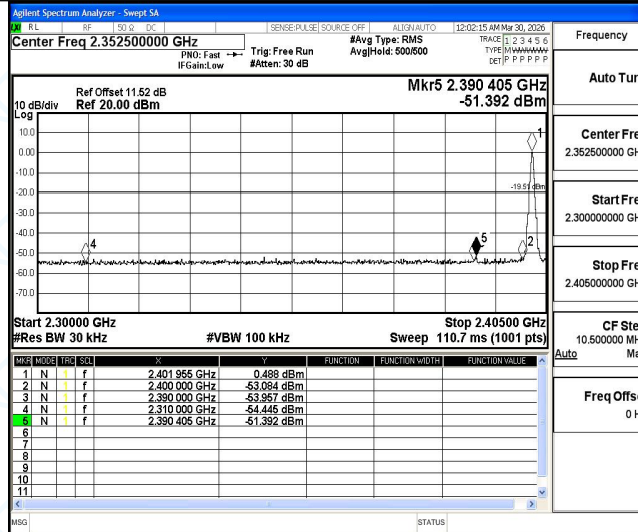
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.49	-51.39	≤-19.51	PASS
DH5	Ant1	High	2480	-1.20	-52.53	≤-21.2	PASS
DH5	Ant1	Low	Hop_2402	-0.02	-52.02	≤-20.02	PASS
DH5	Ant1	High	Hop_2480	-1.49	-52.17	≤-21.49	PASS
2DH5	Ant1	Low	2402	-1.58	-51.41	≤-21.58	PASS
2DH5	Ant1	High	2480	-6.32	-52.62	≤-26.32	PASS
2DH5	Ant1	Low	Hop_2402	-4.26	-52.02	≤-24.26	PASS
2DH5	Ant1	High	Hop_2480	-3.05	-51.37	≤-23.05	PASS
3DH5	Ant1	Low	2402	-5.78	-52.17	≤-25.78	PASS
3DH5	Ant1	High	2480	-5.72	-52.38	≤-25.72	PASS
3DH5	Ant1	Low	Hop_2402	-3.02	-52.19	≤-23.02	PASS
3DH5	Ant1	High	Hop_2480	-4.42	-51.41	≤-24.42	PASS

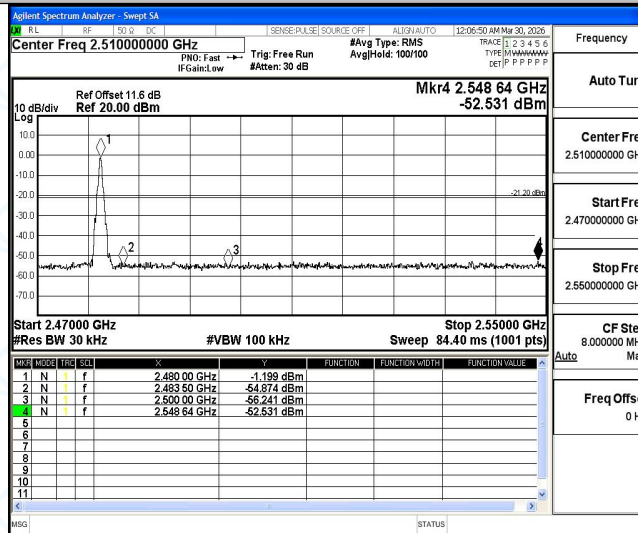


Test Graphs

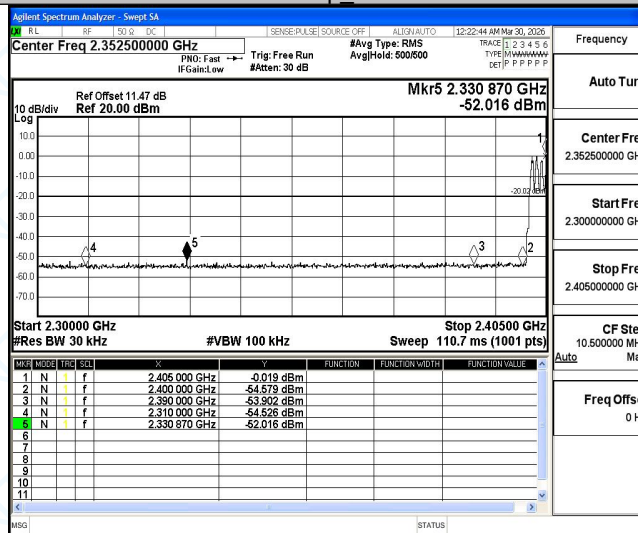
DH5-Ant1-2402-PASS



DH5-Ant1-2480-PASS

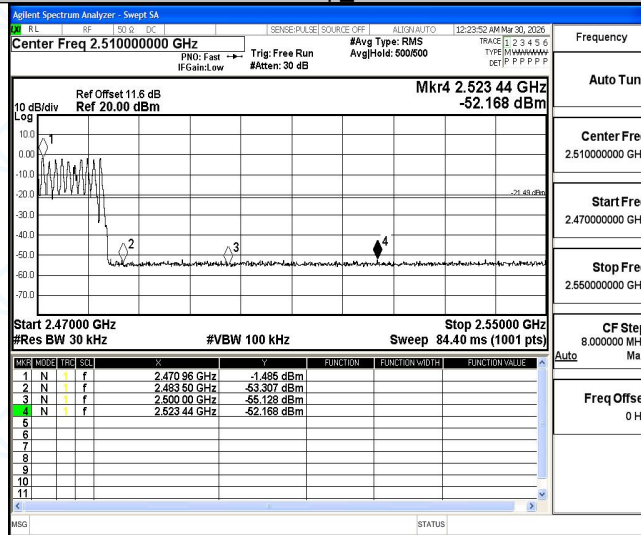


DH5-Ant1-Hop_2402-PASS

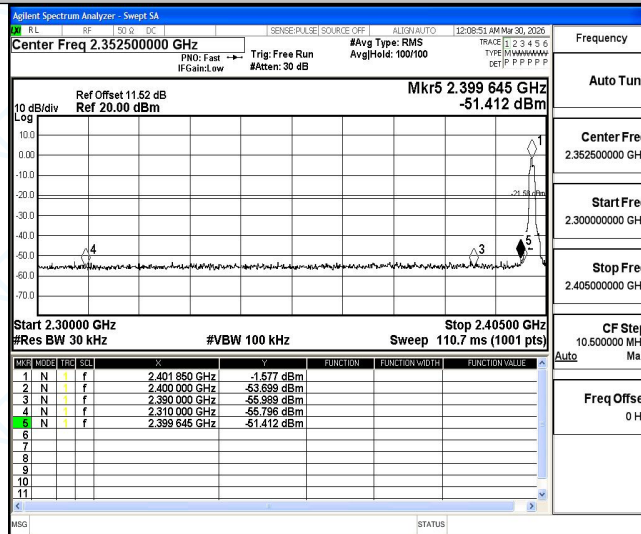




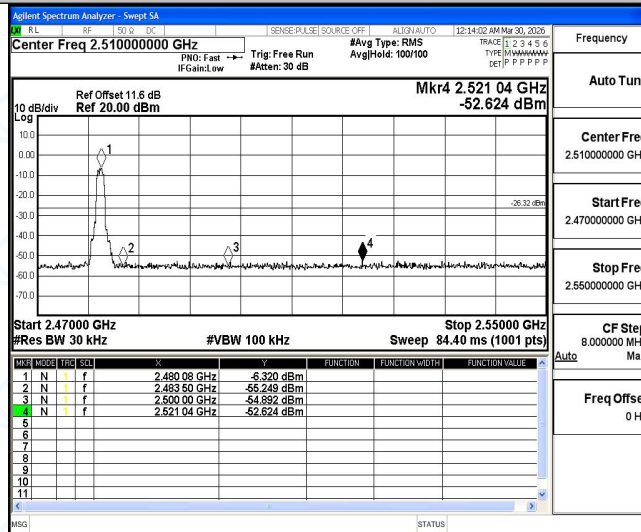
DH5-Ant1-Hop_2480-PASS



2DH5-Ant1-2402-PASS

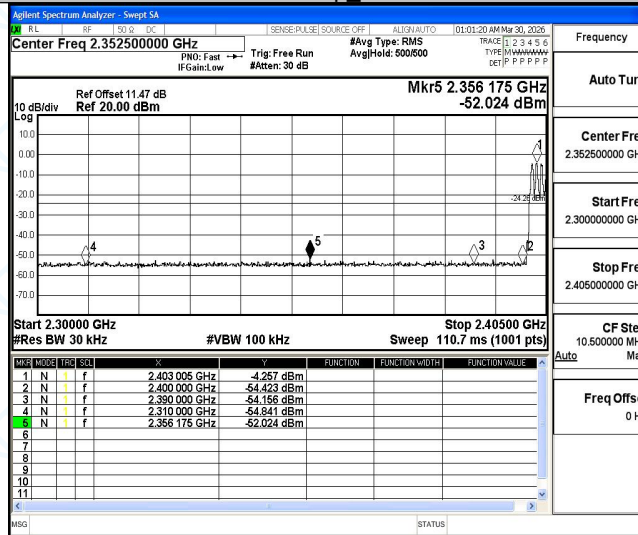


2DH5-Ant1-2480-PASS

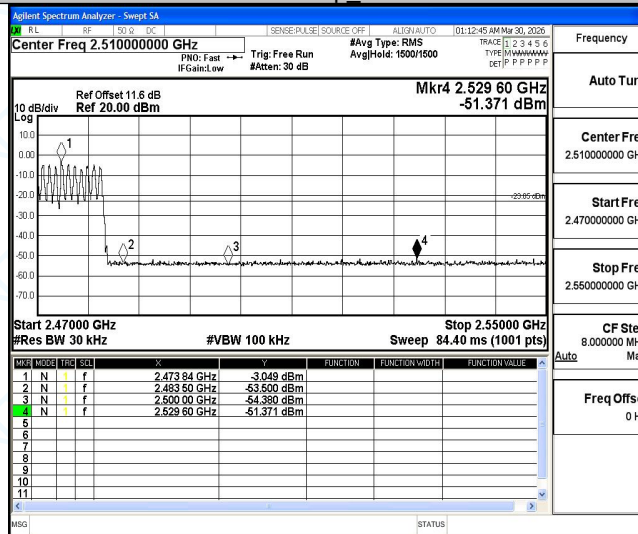




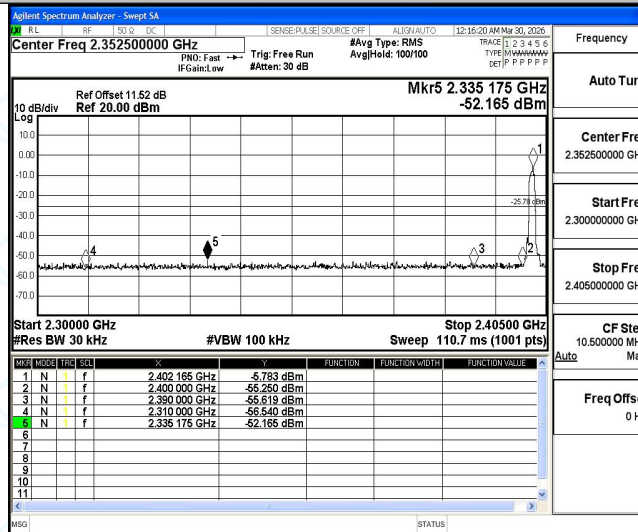
2DH5-Ant1-Hop 2402-PASS



2DH5-Ant1-Hop 2480-PASS

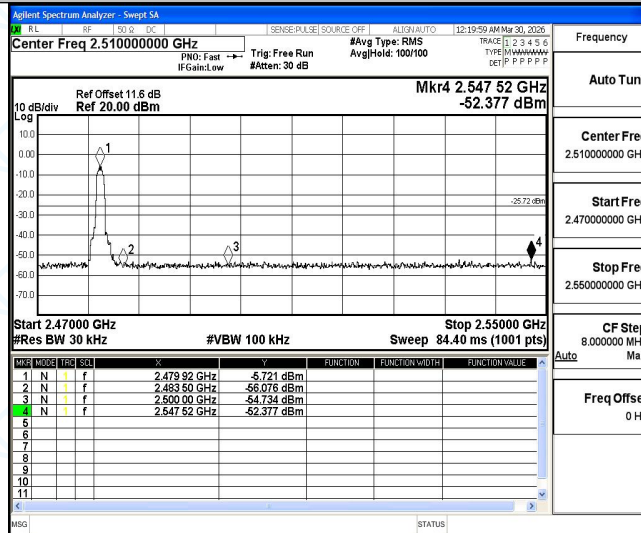


3DH5-Ant1-2402-PASS

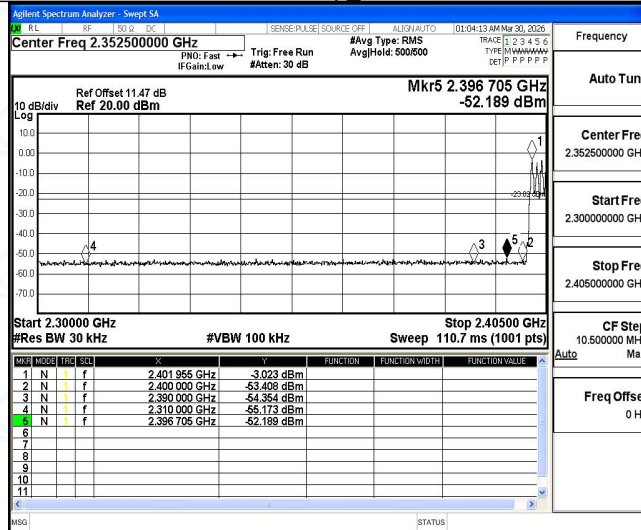




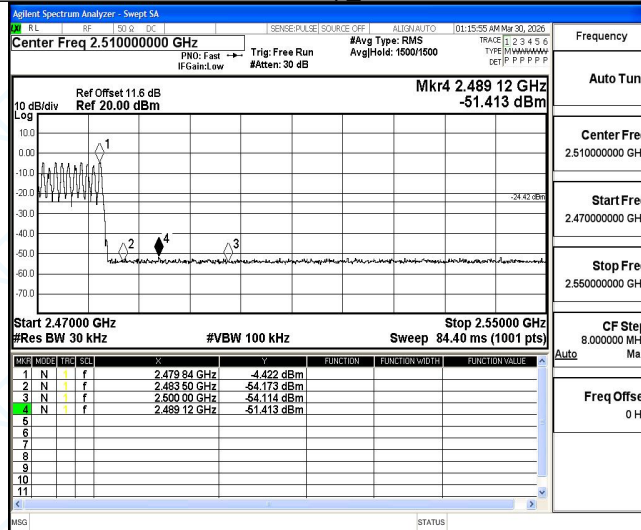
3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS



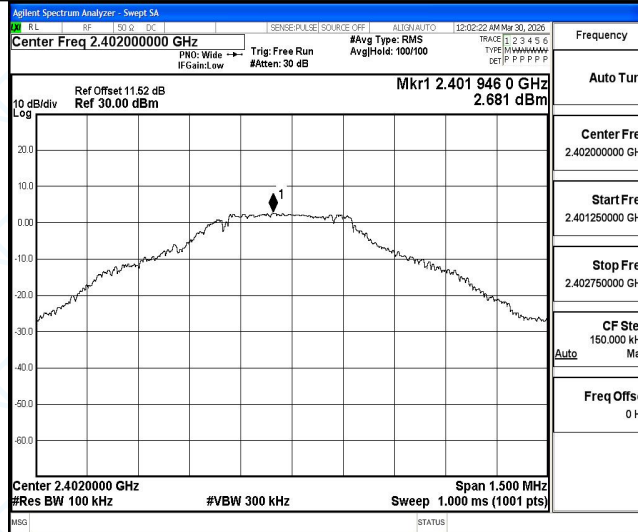
**Appendix G: Conducted Spurious Emission****Test Result**

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	2.68	2.68	---	PASS
DH5	Ant1	2402	30~1000	2.68	-59.57	≤-17.32	PASS
DH5	Ant1	2402	1000~26500	2.68	-44.55	≤-17.32	PASS
DH5	Ant1	2441	0~Reference	2.32	2.32	---	PASS
DH5	Ant1	2441	30~1000	2.32	-60.22	≤-17.68	PASS
DH5	Ant1	2441	1000~26500	2.32	-44.78	≤-17.68	PASS
DH5	Ant1	2480	0~Reference	1.35	1.35	---	PASS
DH5	Ant1	2480	30~1000	1.35	-60.04	≤-18.65	PASS
DH5	Ant1	2480	1000~26500	1.35	-47.51	≤-18.65	PASS
2DH5	Ant1	2402	0~Reference	2.20	2.20	---	PASS
2DH5	Ant1	2402	30~1000	2.20	-60.04	≤-17.8	PASS
2DH5	Ant1	2402	1000~26500	2.20	-47.3	≤-17.8	PASS
2DH5	Ant1	2441	0~Reference	2.19	2.19	---	PASS
2DH5	Ant1	2441	30~1000	2.19	-59.46	≤-17.81	PASS
2DH5	Ant1	2441	1000~26500	2.19	-49.36	≤-17.81	PASS
2DH5	Ant1	2480	0~Reference	1.20	1.20	---	PASS
2DH5	Ant1	2480	30~1000	1.20	-60.08	≤-18.8	PASS
2DH5	Ant1	2480	1000~26500	1.20	-48.36	≤-18.8	PASS
3DH5	Ant1	2402	0~Reference	-0.91	-0.91	---	PASS
3DH5	Ant1	2402	30~1000	-0.91	-59.2	≤-20.91	PASS
3DH5	Ant1	2402	1000~26500	-0.91	-47.26	≤-20.91	PASS
3DH5	Ant1	2441	0~Reference	2.38	2.38	---	PASS
3DH5	Ant1	2441	30~1000	2.38	-58.94	≤-17.62	PASS
3DH5	Ant1	2441	1000~26500	2.38	-48.3	≤-17.62	PASS
3DH5	Ant1	2480	0~Reference	1.19	1.19	---	PASS
3DH5	Ant1	2480	30~1000	1.19	-59.34	≤-18.81	PASS
3DH5	Ant1	2480	1000~26500	1.19	-47.92	≤-18.81	PASS

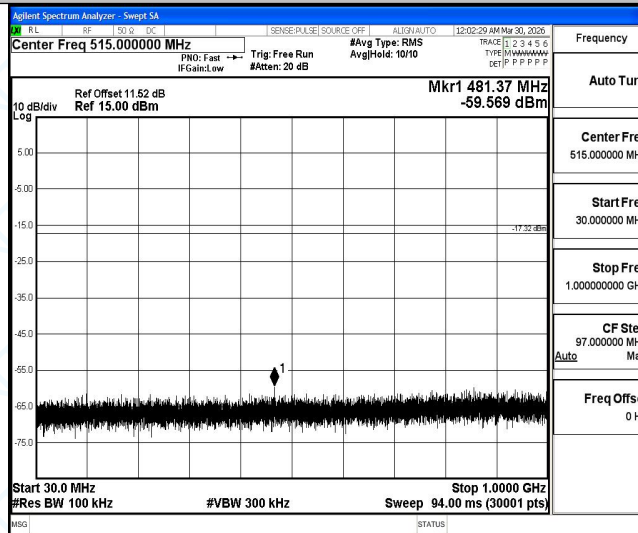


Test Graphs

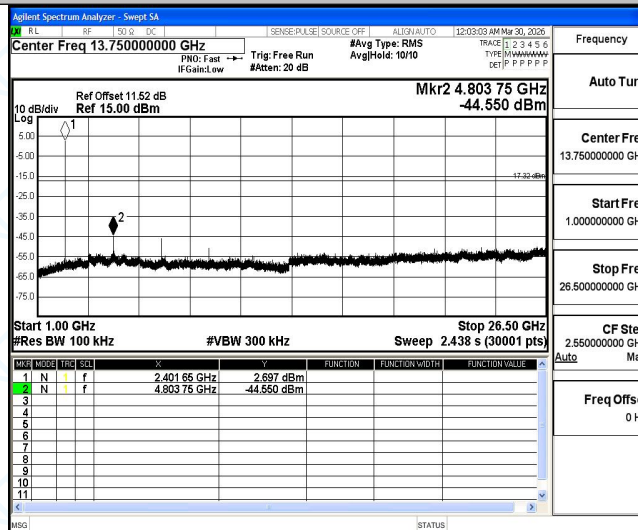
DH5-Ant1-2402-0~Reference-PASS



DH5-Ant1-2402-30~1000-PASS

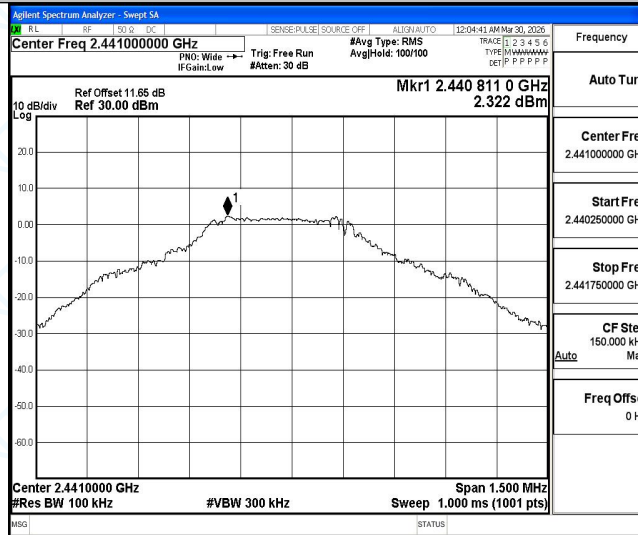


DH5-Ant1-2402-1000~26500-PASS

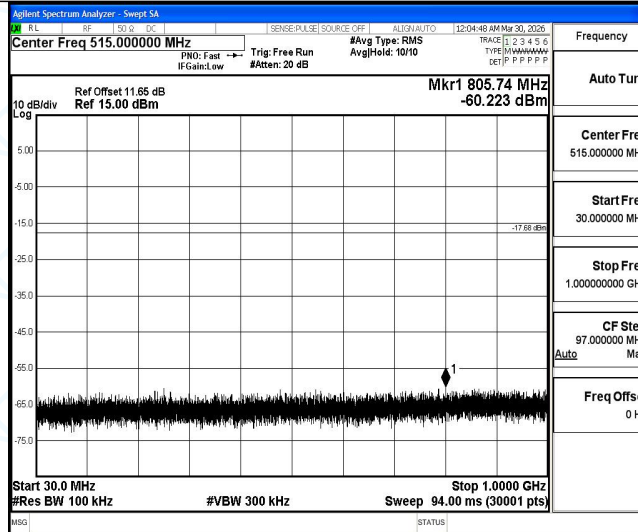




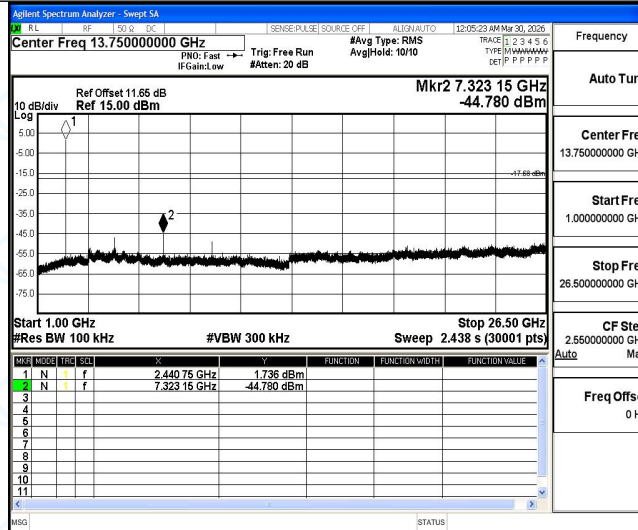
DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS

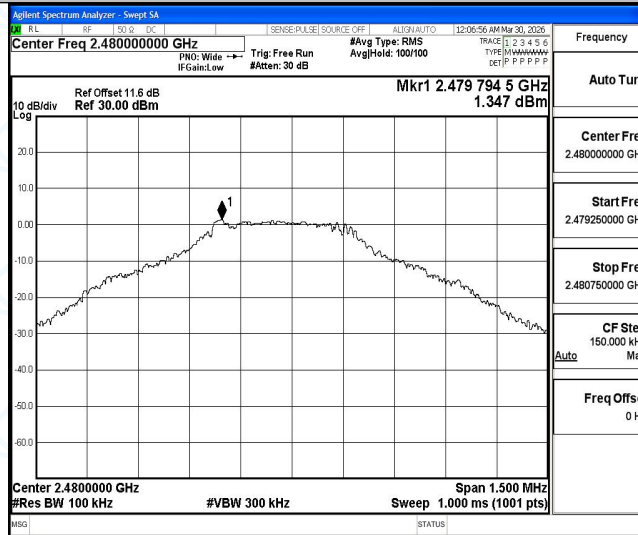


DH5-Ant1-2441-1000~26500-PASS

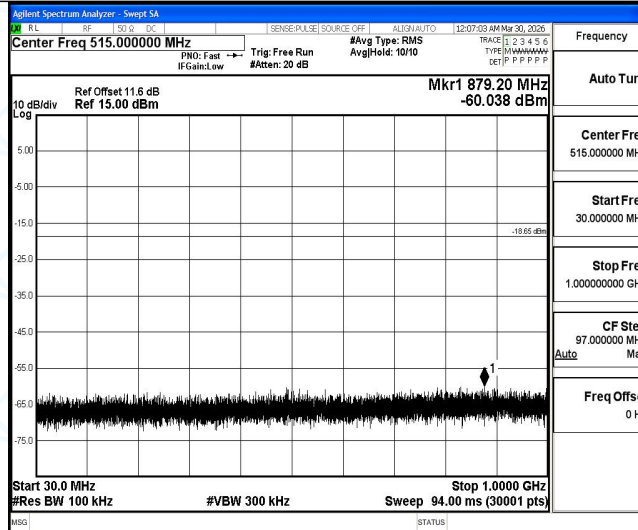




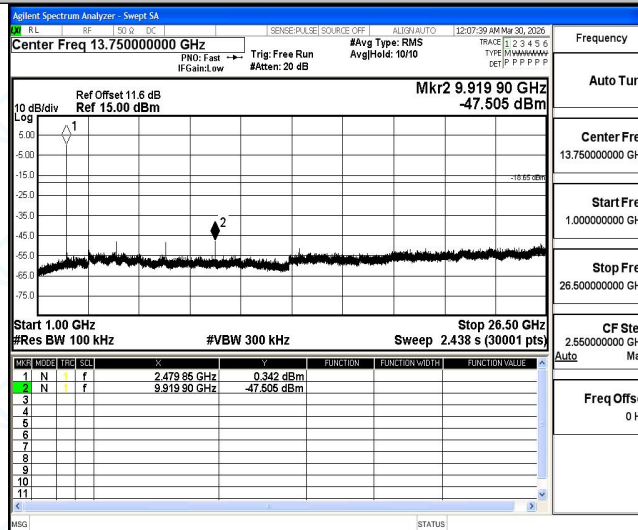
DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS

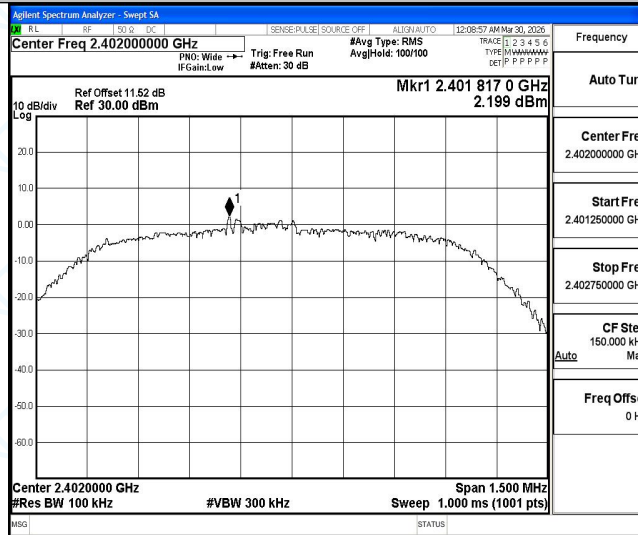


DH5-Ant1-2480-1000~26500-PASS

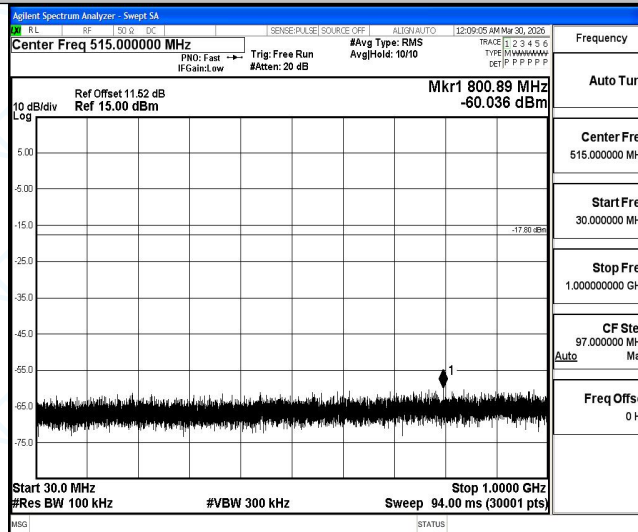




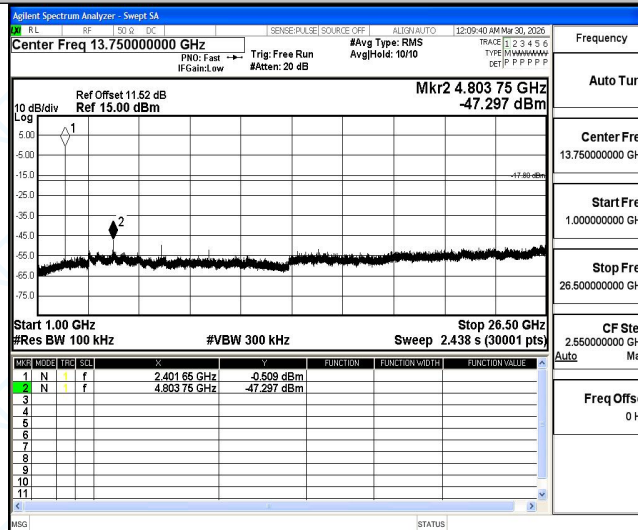
2DH5-Ant1-2402-0~Reference-PASS



2DH5-Ant1-2402-30~1000-PASS

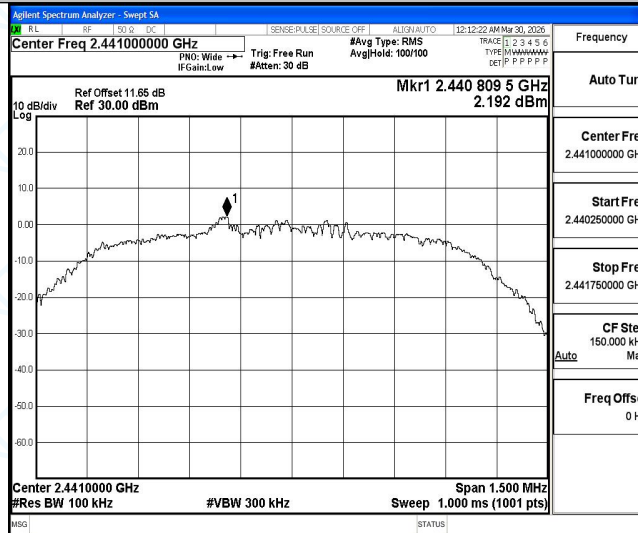


2DH5-Ant1-2402-1000~26500-PASS

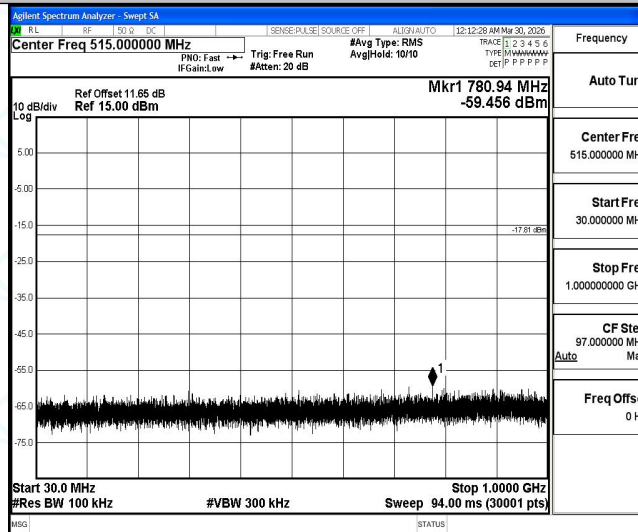




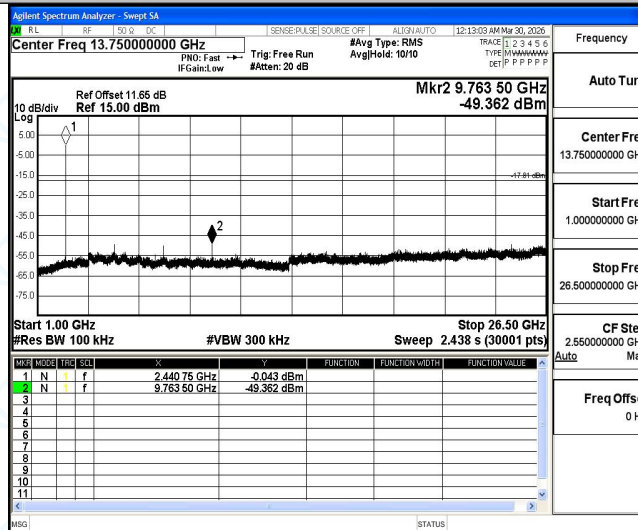
2DH5-Ant1-2441-0~Reference-PASS



2DH5-Ant1-2441-30~1000-PASS

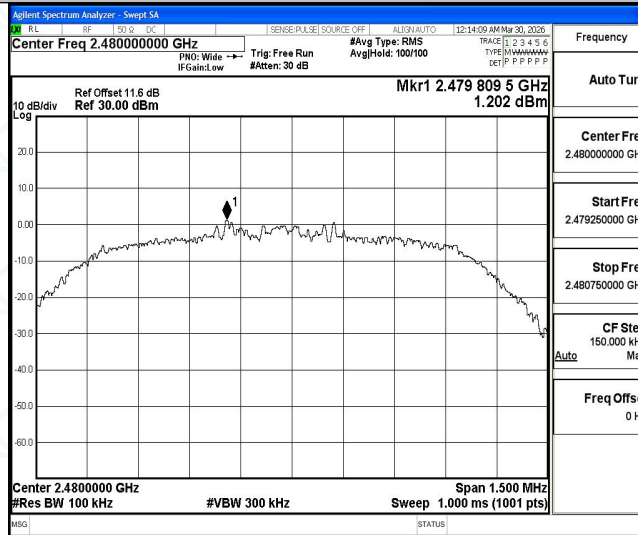


2DH5-Ant1-2441-1000~26500-PASS

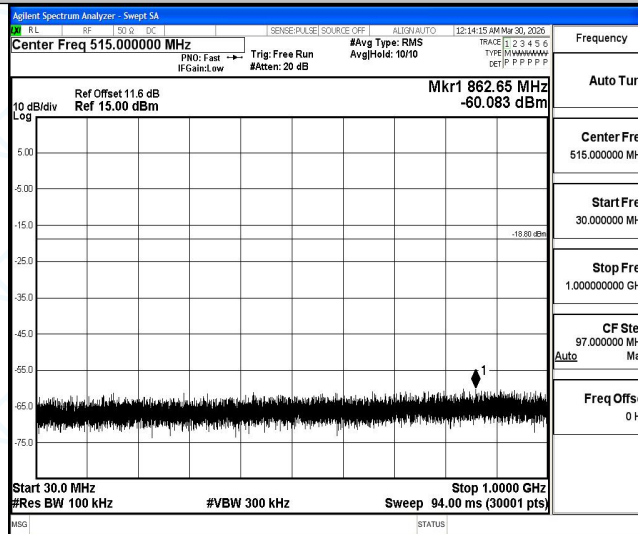




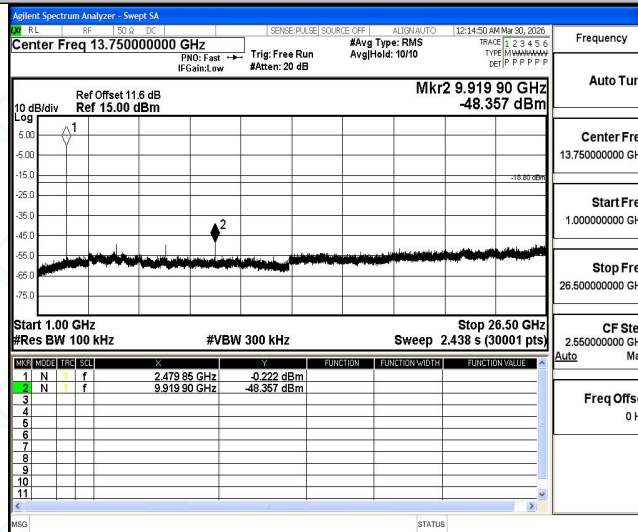
2DH5-Ant1-2480-0~Reference-PASS



2DH5-Ant1-2480-30~1000-PASS

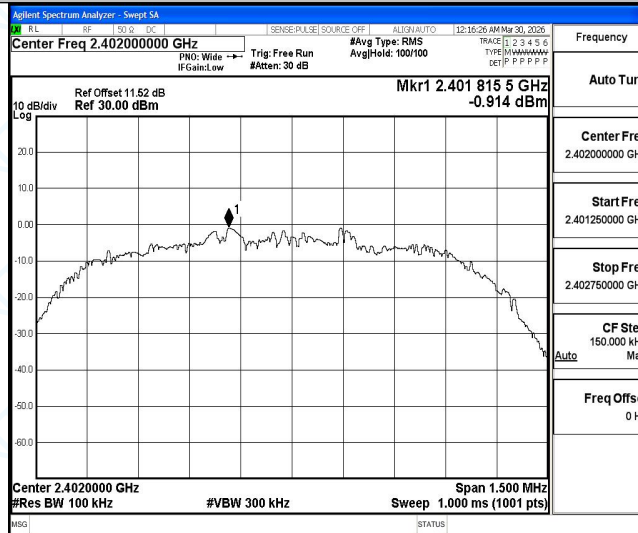


2DH5-Ant1-2480-1000~26500-PASS

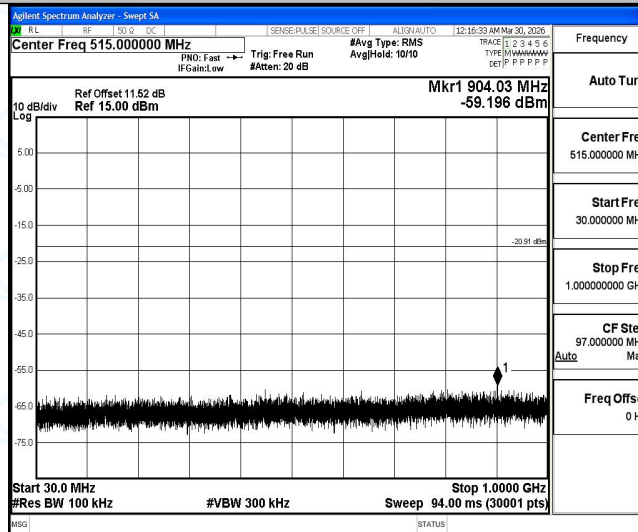




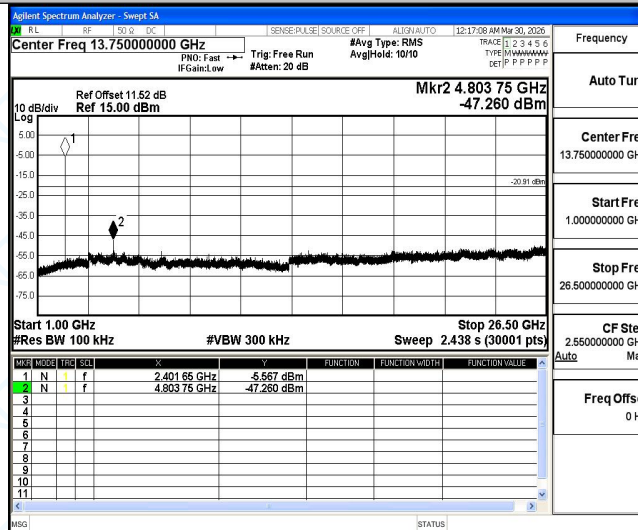
3DH5-Ant1-2402-0~Reference-PASS



3DH5-Ant1-2402-30~1000-PASS

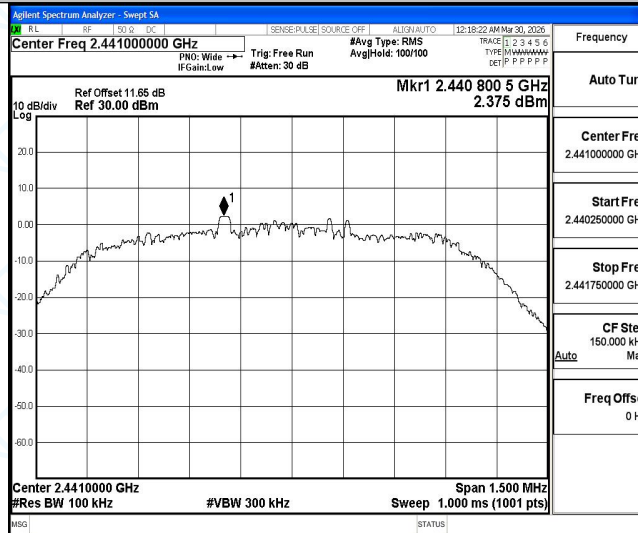


3DH5-Ant1-2402-1000~26500-PASS

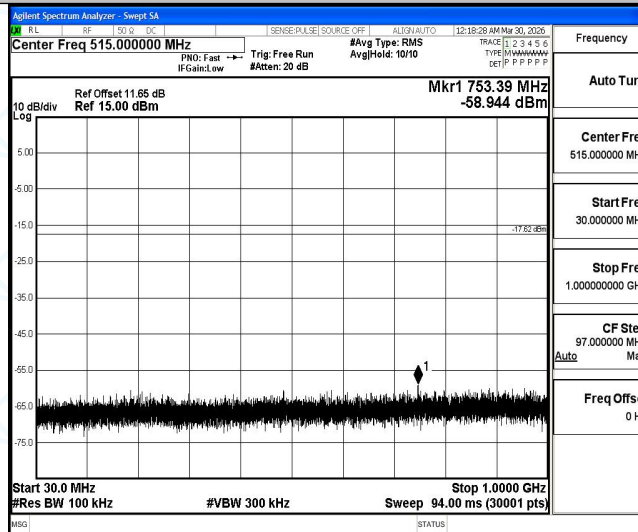




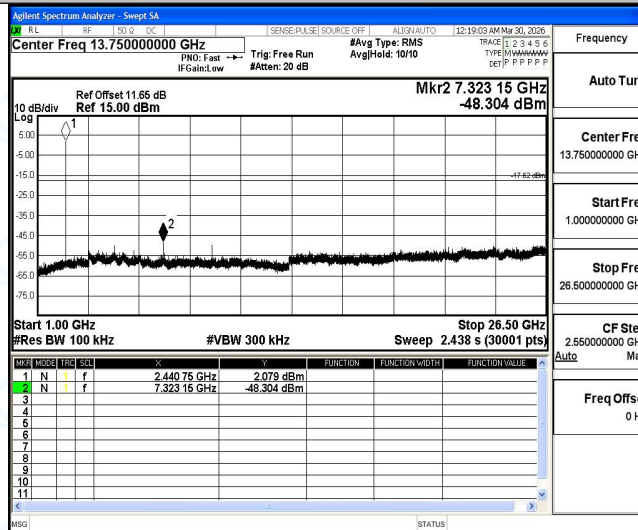
3DH5-Ant1-2441-0~Reference-PASS



3DH5-Ant1-2441-30~1000-PASS

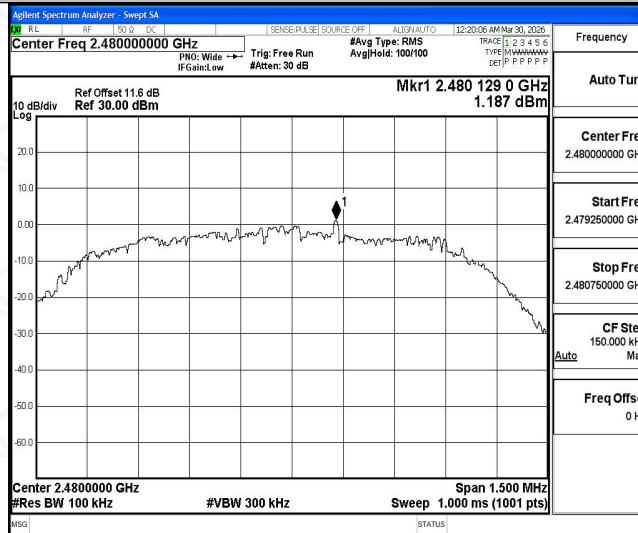


3DH5-Ant1-2441-1000~26500-PASS

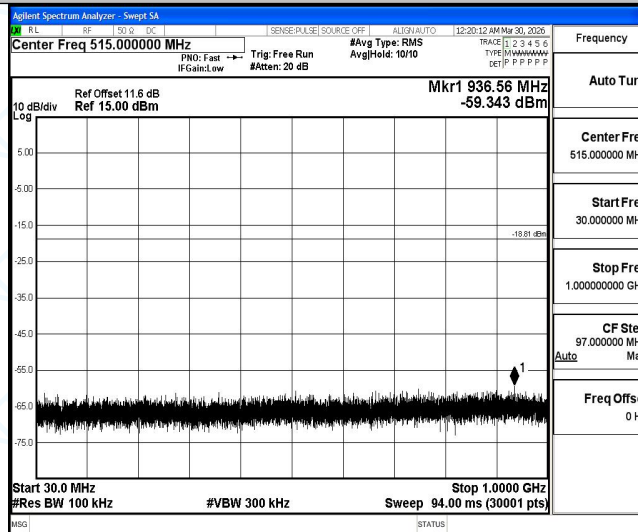




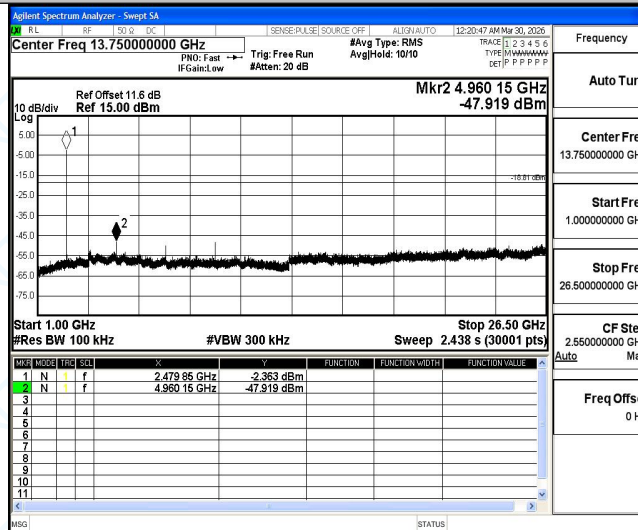
3DH5-Ant1-2480-0~Reference-PASS



3DH5-Ant1-2480-30~1000-PASS



3DH5-Ant1-2480-1000~26500-PASS



The End Report

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