FCC TEST REPORT

FCC ID: 2BHJR-XF60

Product	:	ERAZER Wireless Earbud XF60
Model Name	:	ERAZER XF60
Brand	:	ERAZER
Report No.	:	PTC26011003002E-FC01

Prepared for

Shenzhen xiaoxiang supply chain technology co., ltd

Xinghe WORLD Twin Towers, No. 8 Yaxing Road, Nankeng Community, Bantian Street, Longgang District, Shenzhen West Tower 28th Floor 2801A-1

Prepared by

Precise Testing & Certification Co., Ltd.

Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China

1 TEST RESULT CERTIFICATION

Applicant's name	:	Shenzhen xiaoxiang supply chain technology co., ltd
Address	:	Xinghe WORLD Twin Towers, No. 8 Yaxing Road, Nankeng Community, Bantian Street, Longgang District, Shenzhen West Tower 28th Floor 2801A-1
Manufacture's name	:	Dingju Innovation(Beijing) Technology Co., Ltd
Address	:	E5 Lenovo Headquarters, No.10 Xibeiwang East Road, Haidian District, Beijing
Product name	:	ERAZER Wireless Earbud XF60
Model name	:	ERAZER XF60
Standards	:	FCC CFR47 Part 15 Section 15.247
Test procedure	:	ANSI C63.10-2020
Test Date	:	January 14, 2026 to January 23, 2026
Date of Issue	:	January 23, 2026
Test Result	:	Pass

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Test Engineer:

Jack zhou / Engineer

Technical Manager:

Simon Pu / Manager

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2 Test Summary

Test Items	Test Requirement	Result
Radiated Spurious Emissions	15.205(a) 15.209 15.247(d)	PASS
Band edge	15.247(d) 15.205(a)	PASS
Conduct Emission	15.207	PASS
20dB Bandwidth	15.247(a)(1)	PASS
Maximum Peak Output Power	15.247(b)(1)	PASS
Frequency Separation	15.247(a)(1)	PASS
Number of Hopping Frequency	15.247(a)(1)(iii)	PASS
Dwell time	15.247(a)(1)(iii)	PASS
Antenna Requirement	15.203	PASS

3 TEST FACILITY

Precise Testing & Certification Co., Ltd.

Address: Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China

FCC Registration Number: 790290

A2LA Certificate No.: 4408.01

IC Registration Number: 12191A

FCC Designation Number. CN1219

4 General Information

4.1 General Description of E.U.T.

Product Name	:	ERAZER Wireless Earbud XF60
Model Name	:	ERAZER XF60
Specification	:	BT 5.4 BDR+EDR
Operation Frequency	:	2402-2480MHz
Number of Channel	:	79 channels for BDR+EDR
Type of Modulation	:	GFSK, Π/4-DQPSK,8DPSK For DSS
Antenna installation	:	Ceramic antenna
Antenna Gain	:	2.78 dBi
Rated Power Supply	:	Input: DC 5V 2000mA Battery: Li-ion Battery: 450909 Rated Voltage: 3.7V Rated Capacity: 30mAh
Hardware Version	:	V1
Software Version	:	V1
Test sample No.	:	PTC26011003002E-1/3,PTC26011003002E-2/3,PTC26011003002E-3/3.

4.2 Test Mode

The EUT has been tested under its typical operating condition. Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting. Both the left and right headphones have been tested, and in the absence of special instructions, only the worst data, that of the left ear, is recorded.

The EUT has been associated with peripherals pursuant to ANSI C63.10-2020 and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: radiation (9 KHz to the 10th harmonics of the highest fundamental frequency or to 40 GHz, whichever is lower).

The EUT has been tested under TX operating condition.

This EUT is a FHSS system, were conducted to determine the final configuration from all possible combinations. We use software control the EUT, Let EUT hopping on and transmit with highest power, all the modes GFSK, Π/4-DQPSK, 8DPSK have been tested. 79 Channels are provided by EUT. The 3 channels of lower, medium and higher were chosen for test.

Channel List:

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

Channel	Frequency(MHz)
0	2402
39	2441
78	2480

5 Equipment During Test

5.1 Equipments List

RF Conducted Test

Name of Equipment	Manufacturer	Model	Serial No.	Characteristics	Last Calibration	Calibration Interval
MXG Signal Analyzer	Agilent	N9020A	SER MY5111038	10Hz-26.5GHz	Aug.14, 2025	1 Year
Coaxial Cable	CDS	79254	46107086	10Hz-30GHz	Aug.14, 2025	1 Year
Power Meter	Anritsu	ML2495A	0949003	300MHz-40GHz	Aug.14, 2025	1 Year
Power Sensor	Anritsu	MA2411B	0917017	300MHz-40GHz	Aug.14, 2025	1 Year
DC power Supply	Agilent	E3642A	MY52420017	0-8V,5A/0-20 ,2.5A	Aug.14, 2025	1 Year
Humidity Chamber	AISRY	ASR-HW2-1000	20230926003	-40℃-150℃	Feb.23 ,2025	1year
Test S/W	Tonscend	JS1120-3	/	/	/	/

Remark: The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.

Radiated Emissions

Name of Equipment	Manufacturer	Model	Serial No.	Characteristics	Last Calibration	Calibration Interval
EMI Test Receiver	Rohde&Schwarz	ESPI7	101671	9KHz-7GHz	Aug.14, 2025	1 Year
Loop Antenna	Schwarzbeck	FMZB 1519	192	9 KHz -30MHz	Nov.27, 2025	1 Year
Bilog Antenna	SCHWARZBECK	VULB9160	9160-3355	25MHz-2GHz	Sep.09, 2025	1 Year
Preamplifier (low frequency)	SCHWARZBECK	BBV 9475	9745-0013	9KHz-1GHz	Mar.21, 2025	1 Year
Cable	IMRO	AK-9515E(9m)	Cable-L	9KHz-3GHz	Aug.14, 2025	1 Year
Spectrum Analyzer	Rohde&Schwarz	FSV40	6625-01-588-5515	9KHz-40GHz	Aug.14, 2025	1 Year

Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1246	1GHz-18GHz	Dec.11, 2025	1 Year
Power Amplifier	ZHINAN	ZN3380C	15002	1GHz-26.5GHz	Aug.14, 2025	1 Year
Horn Antenna	SCHWARZBECK	BBHA 9170	9170-1066	15GHz-40GHz	Jun. 24, 2025	1 Year
Amplifier	SCHWARZBECK	BBV 9721	9721-205	18GHz-40GHz	Jun. 23, 2025	1 Year
Cable	H+S	CBL-26	N/A	1GHz-26.5GHz	Aug.14, 2025	1 Year
RF Cable	R&S	R204	R21X	1GHz-40GHz	Aug.14, 2025	1 Year
Test S/W	Tonscend	TS+	/	/	/	/

Conducted Emissions

Name of Equipment	Manufacturer	Model	Serial No.	Characteristics	Calibration Date	Calibration Interval
EMI Test Receiver	Rohde&Schwarz	ESCI3	101417	9KHz-3GHz	Aug.14, 2025	1 Year
Artificial Mains Network	Rohde&Schwarz	ENV216	102453	9KHz-300MHz	Oct.29, 2025	1 Year
Artificial Mains Network	Rohde&Schwarz	ENV216	101342	9KHz-300MHz	Oct.29, 2025	1 Year
Limiter	R&S	ESH3-Z2	0357.8810.54-102808-NB	0Hz-30MHz	Aug.14, 2025	1 Year
RF Switch	DIAMOND ANTENNA	CX-210	/	0.09MHz-6GHz	Mar. 21,2025	1 Year
Test S/W	Tonscend	JS32-CE	/	/	/	/

5.2 Measurement Uncertainty

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Parameter	**Uncertainty**
RF output power, conducted	±1.0dB
Power Spectral Density, conducted	±2.2dB
Radio Frequency	± 1 x 10^{-6}
Bandwidth	± 1.5 x 10^{-6}
Time	±2%
Duty Cycle	±2%
Temperature	±1°C
Humidity	±5%
DC and low frequency voltages	±3%
Conducted Emissions (150kHz~30MHz)	±3.64dB
Radiated Emission(9kHz~30MHz)	±3.15dB
Radiated Emission(30MHz~1GHz)	±5.03dB
Radiated Emission(1GHz~25GHz)	±4.74dB

5.3 Description of Support Units

Equipment	Model No.	Series No.
Adapter	Model: PS65B050Y3000S	N/A

6 Conducted Emission

Test Requirement:	:	FCC CFR 47 Part 15 Section 15.207
Test Method:	:	ANSI C63.10-2020
Test Result:	:	PASS
Frequency Range:	:	150kHz to 30MHz
Class/Severity:	:	Class B
Detector:	:	Peak for pre-scan (9kHz Resolution Bandwidth)

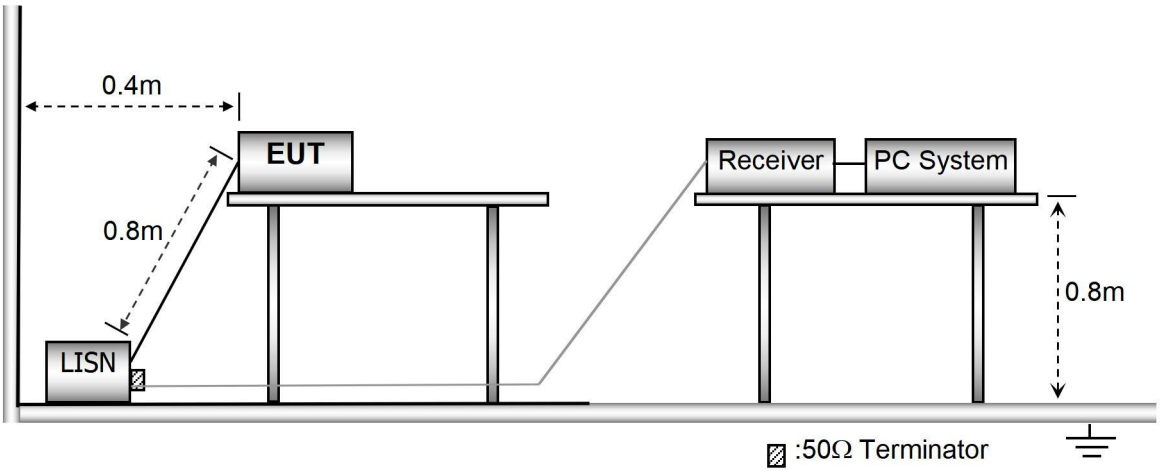
6.1 E.U.T. Operation

Operating Environment **:**

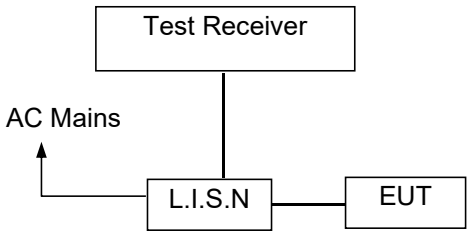
Temperature:	:	23.2°C
Humidity:	:	51 % RH
Atmospheric Pressure:	:	101.12 kPa
Test Voltage	:	AC 120V/60Hz

6.2 EUT Setup

The conducted emission tests were performed using the setup accordance with the ANSI C63.10-2020.



6.3 Test SET-UP (Block Diagram of Configuration)



6.4 Measurement Procedure:

1. Place the EUT on a non-conductive tabletop at a height of 80 cm. A vertical conductive shielding wall is located 40 cm behind the EUT.
2. The excess length of the power cord between the EUT and the LISN receptaele (or ac power receptaclewhere a liSN cannot he used), or an adapter or extension cord connected to and measured with the LISNshall be folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
3. EUT shall be placed at a distanee of 80 cm from the LISN (or power receptacle where a LISN cannot be used) and connected thereto by a powerlead or appropriate connection no more than 1 m long.
4. The equipment shall be arranged and installed in compliance with the standards, and operated in a manner that maximizes its emission characteristics in normal applications, with the six highest points on the waveform recorded.

6.5 Conducted Emission Limit

Conducted Emission

Frequency(MHz)	Quasi-peak	Average
0.15-0.5	66-56	56-46
0.5-5.0	56	46
5.0-30.0	60	50

Note:

1. The lower limit shall apply at the transition frequencies
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

6.6 Measurement Receiver Parameters:

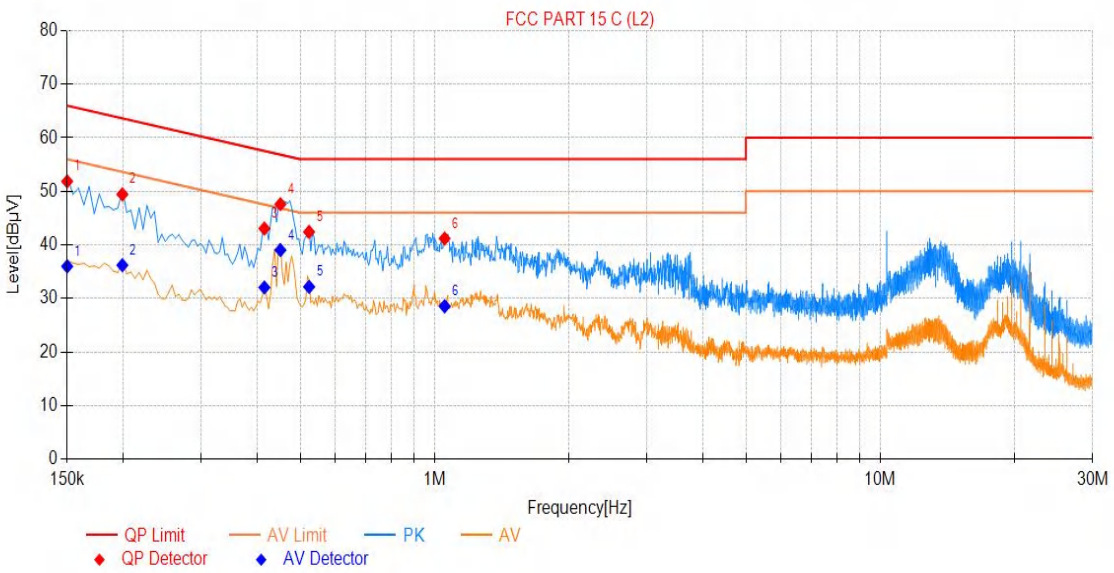
Receiver Parameters	Setting
Start Frequency	150kHz
Stop Frequency	30MHz
IF Bandwidth	9 kHz

6.7 Conducted Emission Test Result

PASS.

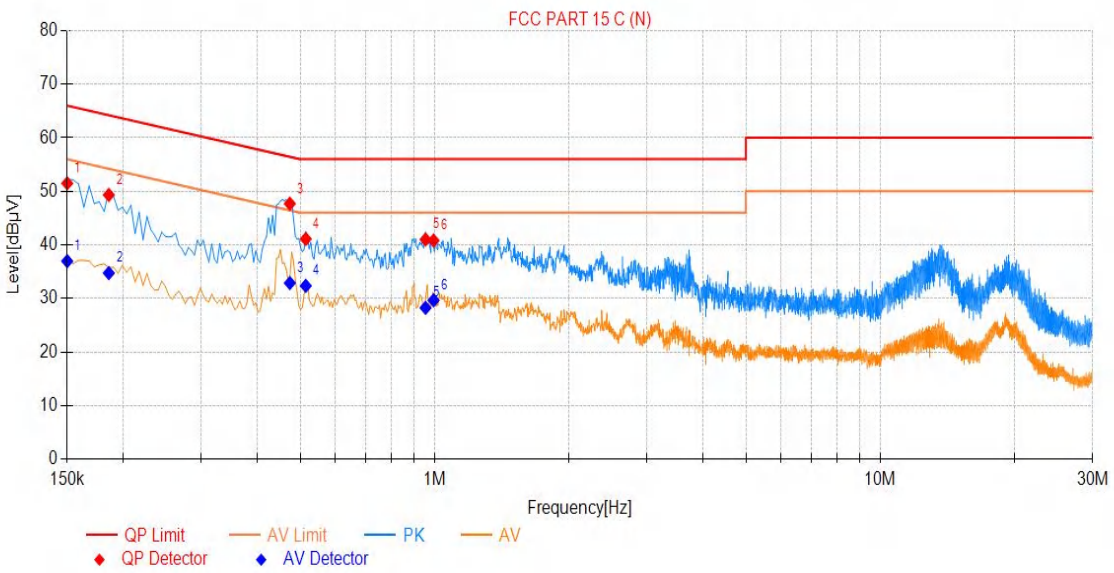
Conducted emission at both 120V & 240V is assessed, and emission at 120V represents the worst case. All the modulation modes were tested the data of the worst mode (GFSK) are recorded in the following pages and the others modulation methods do not exceed the limits.

Line -120V/60Hz:



Final Data List											
NO.	Freq. [MHz]	QP Reading	Factor [dB]	QP Value	QP Limit	QP Margin	AV Reading	AV Value	AV Limit	AV Margin	Verdict
1	0.150	41.98	9.88	51.86	66.00	14.14	26.11	35.99	56.00	20.01	PASS
2	0.200	39.53	9.90	49.43	63.63	14.20	26.30	36.20	53.63	17.43	PASS
3	0.416	33.11	9.95	43.06	57.54	14.48	22.09	32.04	47.54	15.50	PASS
4	0.452	37.65	9.95	47.60	56.85	9.25	29.08	39.03	46.85	7.82	PASS
5	0.524	32.47	9.95	42.42	56.00	13.58	22.21	32.16	46.00	13.84	PASS
6	1.055	31.19	10.00	41.19	56.00	14.81	18.53	28.53	46.00	17.47	PASS

Neutral -120V/60Hz:



Final Data List											
NO.	Freq. [MHz]	QP Reading	Factor [dB]	QP Value	QP Limit	QP Margin	AV Reading	AV Value	AV Limit	AV Margin	Verdict
1	0.150	41.64	9.86	51.50	66.00	14.50	27.10	36.96	56.00	19.04	PASS
2	0.186	39.47	9.86	49.33	64.21	14.88	24.87	34.73	54.21	19.48	PASS
3	0.474	37.73	9.96	47.69	56.44	8.75	22.92	32.88	46.44	13.56	PASS
4	0.515	31.15	9.96	41.11	56.00	14.89	22.39	32.35	46.00	13.65	PASS
5	0.956	31.05	9.96	41.01	56.00	14.99	18.28	28.24	46.00	17.76	PASS
6	0.996	30.85	9.96	40.81	56.00	15.19	19.70	29.66	46.00	16.34	PASS

7 Radiated Spurious Emissions

Test Requirement : FCC CFR47 Part 15 Section 15.209 & 15.247

Test Method : ANSI C63.10-2020

Test Result : PASS

Measurement Distance : 3m

Limit : See the follow table

Frequency (MHz)	Field Strength		Field Strength Limit at 3m Measurement Dist	
	uV/m	Distance (m)	uV/m	dBuV/m
0.009 ~ 0.490	2400/F(kHz)	300	10000 * 2400/F(kHz)	$20\log^{(2400/F(kHz))} + 80$
0.490 ~ 1.705	24000/F(kHz)	30	100 * 24000/F(kHz)	$20\log^{(24000/F(kHz))} + 40$
1.705 ~ 30	30	30	100 * 30	$20\log^{(30)} + 40$
30 ~ 88	100	3	100	$20\log^{(100)}$
88 ~ 216	150	3	150	$20\log^{(150)}$
216 ~ 960	200	3	200	$20\log^{(200)}$
Above 960	500	3	500	$20\log^{(500)}$

Frequency (MHz)	(dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

7.1 EUT Operation

Operating Environment :

Temperature : 24.5 °C

Humidity : 55.5% RH

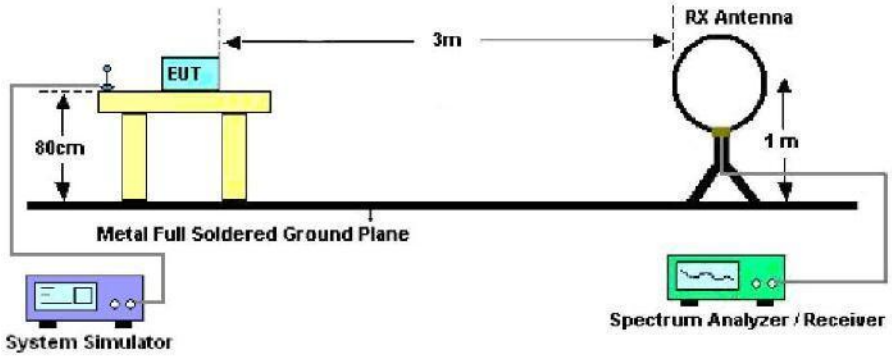
Atmospheric Pressure : 101.3kPa

Test Voltage : DC 3.7V

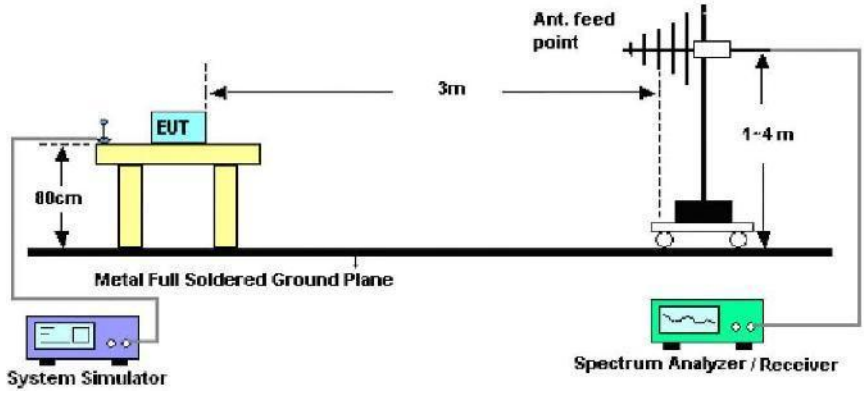
7.2 Test Setup

The radiated emission tests were performed in the 3m Semi- Anechoic Chamber test site

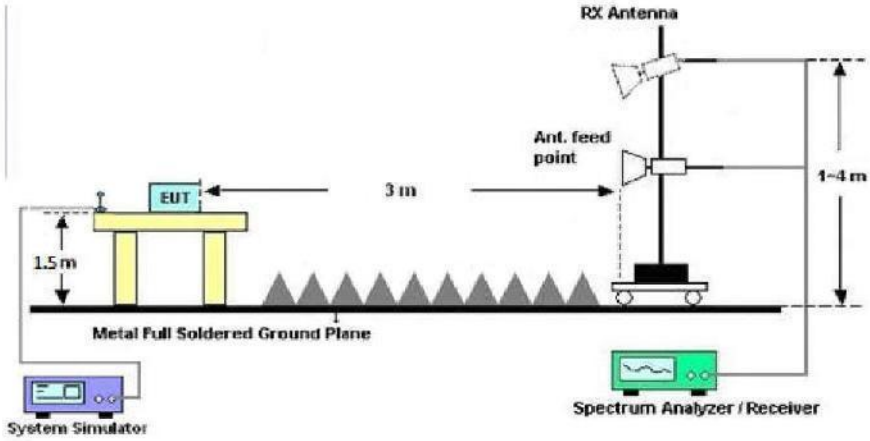
The test setup for emission measurement below 30MHz.



The test setup for emission measurement from 30 MHz to 1 GHz.



The test setup for emission measurement above 1 GHz.



7.3 Spectrum Analyzer Setup

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / *10Hz* for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

7.4 Test Procedure

1. The testing follows the guidelines in Spurious Radiated Emissions of ANSI C63.10-2020.

2. Below 1000MHz, The EUT was placed on a turn table which is 0.8m above ground plane. And above 1000MHz, The EUT was placed on a styrofoam table which is 1.5m above ground plane.

3. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (From 1m to 4m) and turntable (from 0 degree to 360 degree) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.

5. Set to the maximum power setting and enable the EUT transmit continuously.

6. Final measurement (Above 1GHz): The frequency range will be divided into different sub ranges depending of the frequency range of the used horn antenna. The EMI Receiver set to peak and average mode and a resolution bandwidth of 1MHz. The measurement will be performed in horizontal and vertical polarization of the measuring antenna and while rotating the EUT in its vertical axis in the range of 0 degree to 360 degree in order to have the antenna inside the cone of radiation.

7. Test Procedure of measurement (For Above 1GHz):

1) Monitor the frequency range at horizontal polarization and move the antenna over all sides of the EUT(if necessary move the EUT to another orthogonal axis).

2) Change the antenna polarization and repeat 1) with vertical polarization.

3) Make a hardcopy of the spectrum.

4) Measure the frequency of the detected emissions with a lower span and resolution bandwidth to increase the accuracy and note the frequency value.

5) Change the analyser mode to Clear/ Write and found the cone of emission.

6) Rotate and move the EUT, so that the measuring distance can be enlarged to 3m and the antenna will be still inside the cone of emission.

7) Measure the level of the detected frequency with the correct resolution bandwidth, with the antenna polarization and azimuth and the peak and average detector, which causes the maximum emission.

8) Repeat steps 1) to 7) for the next antenna spot if the EUT is larger than the antenna beamwidth.

7. The radiation measurements are tested under 3-axes(X,Y,Z) position(X denotes lying on the table, Y denotes side stand and Z denotes vertical stand), After pre-test, It was found that the worse radiation emission was get at the X position. So the data shown was the X position only.

7.5 Summary of Test Results

Test Frequency: 9KHz-30MHz

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over Limit (dB)
--	--	--	--	>20

Note:

The amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

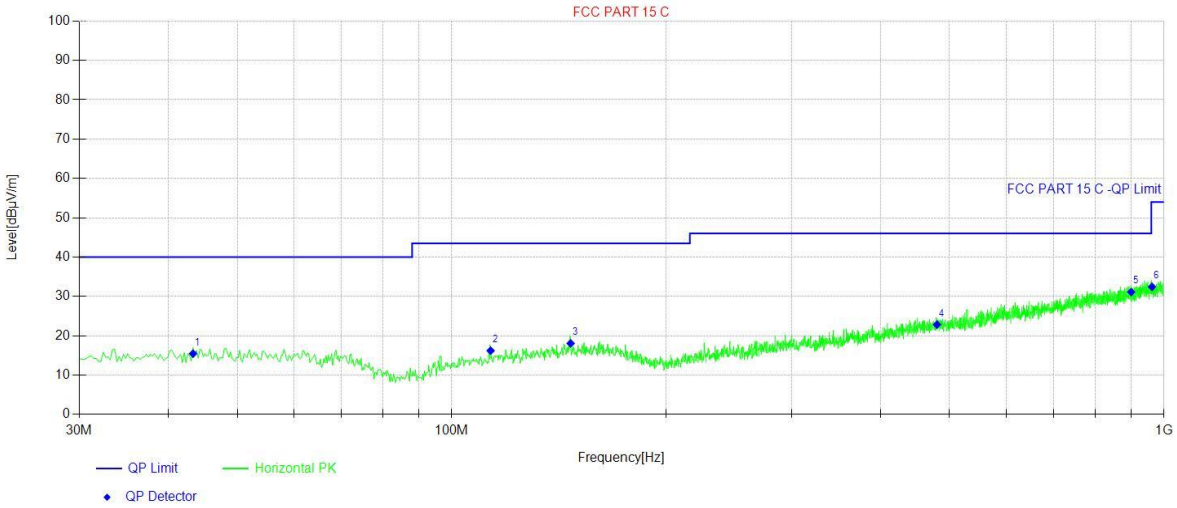
Distance extrapolation factor =40log(Specific distance/ test distance)(dB);
Limit line=Specific limits(dBuV) + distance extrapolation factor.

Test Frequency: 30MHz ~ 1GHz

Please refer to the following test plots,Low Channel (2402MHz) Worst case GFSK for record:

L:

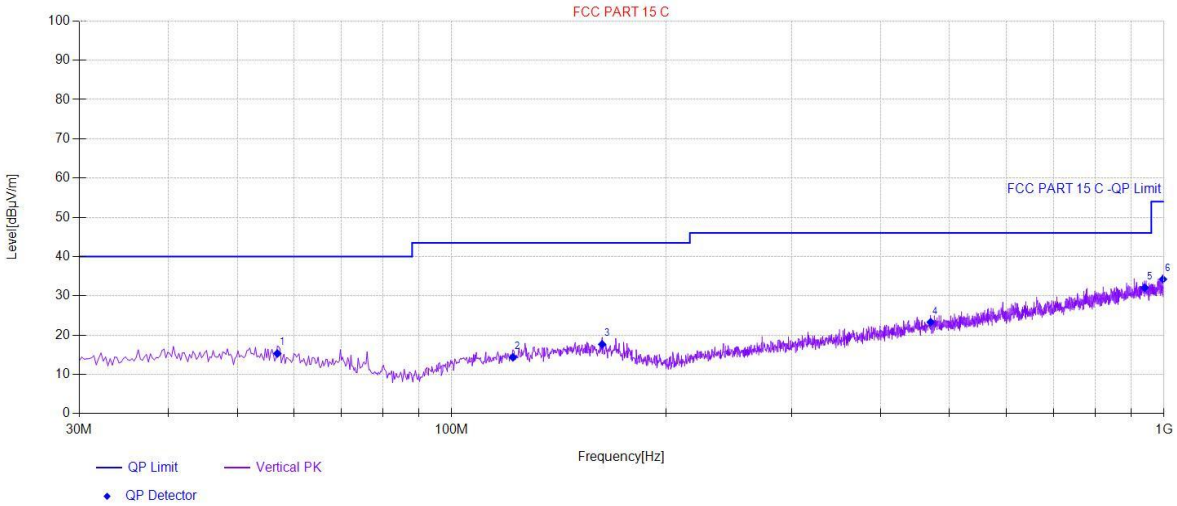
Test plot for Horizontal



Final Data List[QP]								
NO.	Freq. [MHz]	QP Reading [dBµV/m]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Polarity	Verdict
1	43.34	25.42	-9.96	15.46	40.00	24.54	Horizontal	PASS
2	113.42	26.75	-10.54	16.21	43.50	27.29	Horizontal	PASS
3	146.89	26.42	-8.35	18.07	43.50	25.43	Horizontal	PASS
4	480.08	25.21	-2.36	22.85	46.00	23.15	Horizontal	PASS
5	899.36	25.68	5.45	31.13	46.00	14.87	Horizontal	PASS
6	961.93	25.82	6.62	32.44	54.00	21.56	Horizontal	PASS

Remark: Emission Level=Reading+Cable Loss+ANT Factor-AMP Factor

Test plot for Vertical

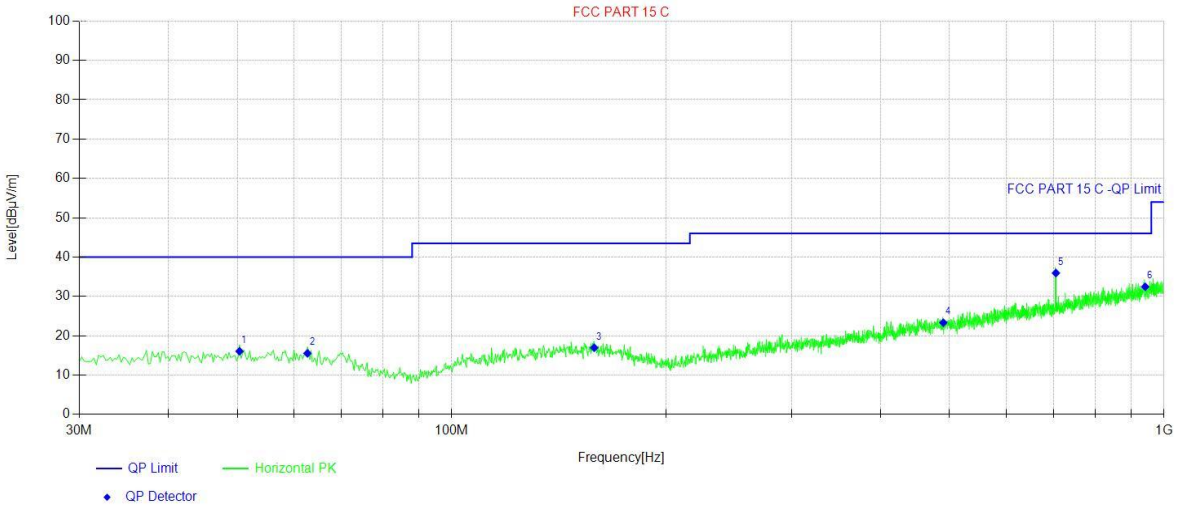


Final Data List[QP]								
NO.	Freq. [MHz]	QP Reading [dBµV/m]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Polarity	Verdict
1	56.92	25.78	-10.47	15.31	40.00	24.69	Vertical	PASS
2	121.91	24.26	-9.91	14.35	43.50	29.15	Vertical	PASS
3	162.65	26.04	-8.39	17.65	43.50	25.85	Vertical	PASS
4	470.38	25.88	-2.59	23.29	46.00	22.71	Vertical	PASS
5	939.86	25.71	6.37	32.08	46.00	13.92	Vertical	PASS
6	996.85	27.17	7.07	34.24	54.00	19.76	Vertical	PASS

Remark:Emission Level=Reading+Cable Loss+ANT Factor-AMP Factor

R:

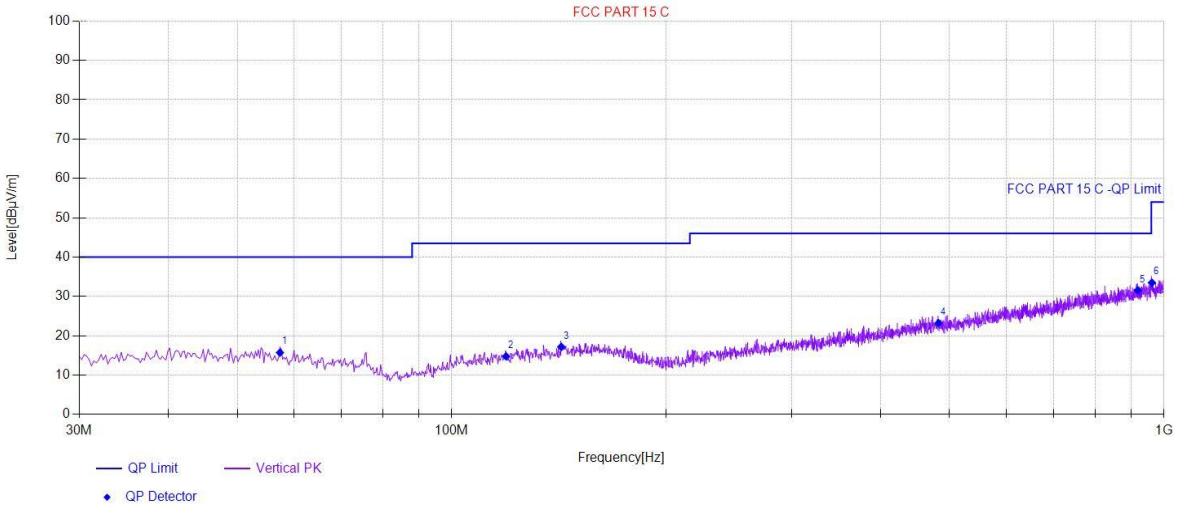
Test plot for Horizontal



Final Data List[QP]								
NO.	Freq. [MHz]	QP Reading [dBµV/m]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Polarity	Verdict
1	50.37	26.03	-9.97	16.06	40.00	23.94	Horizontal	PASS
2	62.74	26.71	-11.17	15.54	40.00	24.46	Horizontal	PASS
3	158.53	25.22	-8.25	16.97	43.50	26.53	Horizontal	PASS
4	490.02	25.57	-2.23	23.34	46.00	22.66	Horizontal	PASS
5	705.12	33.98	1.96	35.94	46.00	10.06	Horizontal	PASS
6	941.07	26.09	6.37	32.46	46.00	13.54	Horizontal	PASS

Remark: Emission Level=Reading+Cable Loss+ANT Factor-AMP Factor

Test plot for Vertical



Final Data List[QP]								
NO.	Freq. [MHz]	QP Reading [dBµV/m]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Polarity	Verdict
1	57.40	26.2	-10.48	15.72	40.00	24.28	Vertical	PASS
2	119.24	24.87	-10.10	14.77	43.50	28.73	Vertical	PASS
3	142.52	25.82	-8.63	17.19	43.50	26.31	Vertical	PASS
4	482.51	25.53	-2.30	23.23	46.00	22.77	Vertical	PASS
5	919.01	25.69	5.83	31.52	46.00	14.48	Vertical	PASS
6	961.69	26.87	6.62	33.49	54.00	20.51	Vertical	PASS

Remark: Emission Level=Reading+Cable Loss+ANT Factor-AMP Factor

Test Frequency 1GHz-25GHz

Bluetooth (GFSK, Pi/4-DQPSK, 8DPSK)mode have been tested, and the worst result GFSK mode was report as below:

L:

Test Mode: CH00 GFSK					Test channel: Lowest			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
4804	44.06	34.04	6.58	34.09	50.59	74	-23.41	V
7206	41.54	37.11	7.73	34.5	51.88	74	-22.12	V
9608	37.89	39.31	9.23	34.79	51.64	74	-22.36	V
4804	45.95	34.04	6.58	34.09	52.48	74	-21.52	H
7206	36.03	37.11	7.73	34.5	46.37	74	-27.63	H
9608	39.63	39.31	9.23	34.79	53.38	74	-20.62	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
4804	31.63	34.04	6.58	34.09	38.16	54	-15.84	V
7206	28.67	37.11	7.73	34.5	39.01	54	-14.99	V
9608	23.83	39.31	9.23	34.79	37.58	54	-16.42	V
4804	33.58	34.04	6.58	34.09	40.11	54	-13.89	H
7206	28.25	37.11	7.73	34.5	38.59	54	-15.41	H
9608	25.78	39.31	9.23	34.79	39.53	54	-14.47	H

Test Mode: CH39 GFSK					Test channel: Middle			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
4882	41.94	34.38	6.69	34.09	48.92	74	-25.08	V
7323	38.81	37.22	7.78	34.53	49.28	74	-24.72	V
9764	35.25	39.46	9.35	34.8	49.26	74	-24.74	V
4882	44.23	34.38	6.69	34.09	51.21	74	-22.79	H
7323	38.20	37.22	7.78	34.53	48.67	74	-25.33	H
9764	34.75	39.46	9.35	34.8	48.76	74	-25.24	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
4882	31.98	34.38	6.69	34.09	38.96	54	-15.04	V
7323	26.81	37.22	7.78	34.53	37.28	54	-16.72	V
9764	23.73	39.46	9.35	34.8	37.74	54	-16.26	V
4882	32.95	34.38	6.69	34.09	39.93	54	-14.07	H
7323	27.18	37.22	7.78	34.53	37.65	54	-16.35	H
9764	26.22	39.46	9.35	34.8	40.23	54	-13.77	H

Test Mode: CH78 GFSK					Test channel: Highest			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
4960	43.07	34.72	6.79	34.09	50.49	74	-23.51	V
7440	39.71	37.34	7.82	34.57	50.30	74	-23.70	V
9920	34.36	39.62	9.46	34.81	48.63	74	-25.37	V
4960	41.61	34.72	6.79	34.09	49.03	74	-24.97	H
7440	37.99	37.34	7.82	34.57	48.58	74	-25.42	H
9920	36.51	39.62	9.46	34.81	50.78	74	-23.22	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
4960	31.54	34.72	6.79	34.09	38.96	54	-15.04	V
7440	28.63	37.34	7.82	34.57	39.22	54	-14.78	V
9920	23.63	39.62	9.46	34.81	37.90	54	-16.10	V
4960	31.80	34.72	6.79	34.09	39.22	54	-14.78	H
7440	27.15	37.34	7.82	34.57	37.74	54	-16.26	H
9920	25.88	39.62	9.46	34.81	40.15	54	-13.85	H

R:

Test Mode: CH00 GFSK					Test channel: Lowest			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
4804	44.91	34.04	6.58	34.09	51.44	74	-22.56	V
7206	41.87	37.11	7.73	34.5	52.21	74	-21.79	V
9608	38.90	39.31	9.23	34.79	52.65	74	-21.35	V
4804	46.31	34.04	6.58	34.09	52.84	74	-21.16	H
7206	37.26	37.11	7.73	34.5	47.60	74	-26.40	H
9608	39.46	39.31	9.23	34.79	53.21	74	-20.79	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
4804	33.72	34.04	6.58	34.09	40.25	54	-13.75	V
7206	28.08	37.11	7.73	34.5	38.42	54	-15.58	V
9608	26.03	39.31	9.23	34.79	39.78	54	-14.22	V
4804	33.62	34.04	6.58	34.09	40.15	54	-13.85	H
7206	26.88	37.11	7.73	34.5	37.22	54	-16.78	H
9608	25.09	39.31	9.23	34.79	38.84	54	-15.16	H

Test Mode: CH39 GFSK					Test channel: Middle			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
4882	41.41	34.38	6.69	34.09	48.39	74	-25.61	V
7323	37.70	37.22	7.78	34.53	48.17	74	-25.83	V
9764	35.22	39.46	9.35	34.8	49.23	74	-24.77	V
4882	43.69	34.38	6.69	34.09	50.67	74	-23.33	H
7323	37.69	37.22	7.78	34.53	48.16	74	-25.84	H
9764	34.62	39.46	9.35	34.8	48.63	74	-25.37	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
4882	34.08	34.38	6.69	34.09	41.06	54	-12.94	V
7323	29.43	37.22	7.78	34.53	39.90	54	-14.10	V
9764	23.99	39.46	9.35	34.8	38.00	54	-16.00	V
4882	34.33	34.38	6.69	34.09	41.31	54	-12.69	H
7323	26.92	37.22	7.78	34.53	37.39	54	-16.61	H
9764	24.64	39.46	9.35	34.8	38.65	54	-15.35	H

Test Mode: CH78 GFSK					Test channel: Highest			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
4960	42.27	34.72	6.79	34.09	49.69	74	-24.31	V
7440	40.05	37.34	7.82	34.57	50.64	74	-23.36	V
9920	33.74	39.62	9.46	34.81	48.01	74	-25.99	V
4960	41.49	34.72	6.79	34.09	48.91	74	-25.09	H
7440	38.12	37.34	7.82	34.57	48.71	74	-25.29	H
9920	37.81	39.62	9.46	34.81	52.08	74	-21.92	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
4960	31.78	34.72	6.79	34.09	39.20	54	-14.80	V
7440	27.93	37.34	7.82	34.57	38.52	54	-15.48	V
9920	24.78	39.62	9.46	34.81	39.05	54	-14.95	V
4960	33.96	34.72	6.79	34.09	41.38	54	-12.62	H
7440	26.65	37.34	7.82	34.57	37.24	54	-16.76	H
9920	24.16	39.62	9.46	34.81	38.43	54	-15.57	H

Note:

1. The testing has been conformed to 10*2480MHz=24800MHz.
2. All other emissions more than 30dB below the limit.
3. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

   Emission Level = Reading + Factor

   Over Limit =Emission Level-Limit

Spurious Emission in Restricted Band 2310-2390MHz and 2483.5-2500MHz

Bluetooth (GFSK, Pi/4-DQPSK, 8DPSK)mode have been tested, and the worst result GFSK model was report as below

L：

Test Mode: Low Channel 2402MHz									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over (dB)	Polarity H/V	Test Value
2310	47.76	28.67	6.72	37.26	45.89	74	-28.11	H	Peak
2390	59.58	28.08	6.81	37.12	57.35	74	-16.65	H	Peak
2310	47.71	28.67	6.72	37.26	45.84	74	-28.16	V	Peak
2390	54.81	28.08	6.81	37.12	52.58	74	-21.42	V	Peak
2310	40.28	28.67	6.72	37.26	38.41	54	-15.59	H	AV
2390	44.14	28.08	6.81	37.12	41.91	54	-12.09	H	AV
2310	39.83	28.67	6.72	37.26	37.96	54	-16.04	V	AV
2390	44.57	28.08	6.81	37.12	42.34	54	-11.66	V	AV

Test Mode: High Channel 2480MHz									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over (dB)	Polarity H/V	Test Value
2483.5	60.53	27.38	6.15	36.29	57.77	74	-16.23	H	Peak
2500	48.54	27.43	6.68	36.79	45.86	74	-28.14	H	Peak
2483.5	60.36	27.38	6.15	36.29	57.60	74	-16.40	V	Peak
2500	48.65	27.43	6.68	36.79	45.97	74	-28.03	V	Peak
2483.5	42.37	27.38	6.15	36.29	39.61	54	-14.39	H	AV
2500	40.45	27.43	6.68	36.79	37.77	54	-16.23	H	AV
2483.5	43.60	27.38	6.15	36.29	40.84	54	-13.16	V	AV
2500	39.27	27.43	6.68	36.79	36.59	54	-17.41	V	AV

R:

Test Mode: Low Channel 2402MHz									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over (dB)	Polarity H/V	Test Value
2310	47.54	28.67	6.72	37.26	45.67	74	-28.33	H	Peak
2390	60.77	28.08	6.81	37.12	58.54	74	-15.46	H	Peak
2310	47.21	28.67	6.72	37.26	45.34	74	-28.66	V	Peak
2390	55.17	28.08	6.81	37.12	52.94	74	-21.06	V	Peak
2310	41.18	28.67	6.72	37.26	39.31	54	-14.69	H	AV
2390	43.30	28.08	6.81	37.12	41.07	54	-12.93	H	AV
2310	39.01	28.67	6.72	37.26	37.14	54	-16.86	V	AV
2390	44.02	28.08	6.81	37.12	41.79	54	-12.21	V	AV

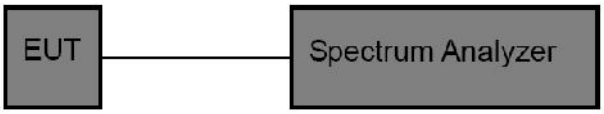
Test Mode: High Channel 2480MHz									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over (dB)	Polarity H/V	Test Value
2483.5	59.04	27.38	6.15	36.29	56.28	74	-17.72	H	Peak
2500	48.64	27.43	6.68	36.79	45.96	74	-28.04	H	Peak
2483.5	59.52	27.38	6.15	36.29	56.76	74	-17.24	V	Peak
2500	49.61	27.43	6.68	36.79	46.93	74	-27.07	V	Peak
2483.5	42.65	27.38	6.15	36.29	39.89	54	-14.11	H	AV
2500	39.16	27.43	6.68	36.79	36.48	54	-17.52	H	AV
2483.5	43.97	27.38	6.15	36.29	41.21	54	-12.79	V	AV
2500	40.02	27.43	6.68	36.79	37.34	54	-16.66	V	AV

8 Maximum Peak Output Power Test

8.1 Test Standard and Limit

Test Standard	FCC Part15 C Section 15.247 (b)(3)
Test Limit	125mW

8.2 Test Setup



8.3 Test Procedure

1. The testing follows the Measurement Procedure of FCC KDB No. 558074 D01 15.247 Meas Guidance v05 section 8.3.1.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Measure the conducted output power and record the results in the test report.

8.4 Test Data

Test Item	:	Max. peak output power	Test Mode	:	CH Low ~ CH High
Test Voltage	:	3.7V	Temperature	:	24.5℃
Test Result	:	PASS	Humidity	:	55%RH

L:

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	3.66	≤20.97	PASS
DH5	Ant1	2441	2.72	≤20.97	PASS
DH5	Ant1	2480	1.57	≤20.97	PASS
2DH5	Ant1	2402	4.11	≤20.97	PASS
2DH5	Ant1	2441	3.24	≤20.97	PASS
2DH5	Ant1	2480	1.94	≤20.97	PASS
3DH5	Ant1	2402	4.58	≤20.97	PASS
3DH5	Ant1	2441	3.49	≤20.97	PASS
3DH5	Ant1	2480	2.41	≤20.97	PASS

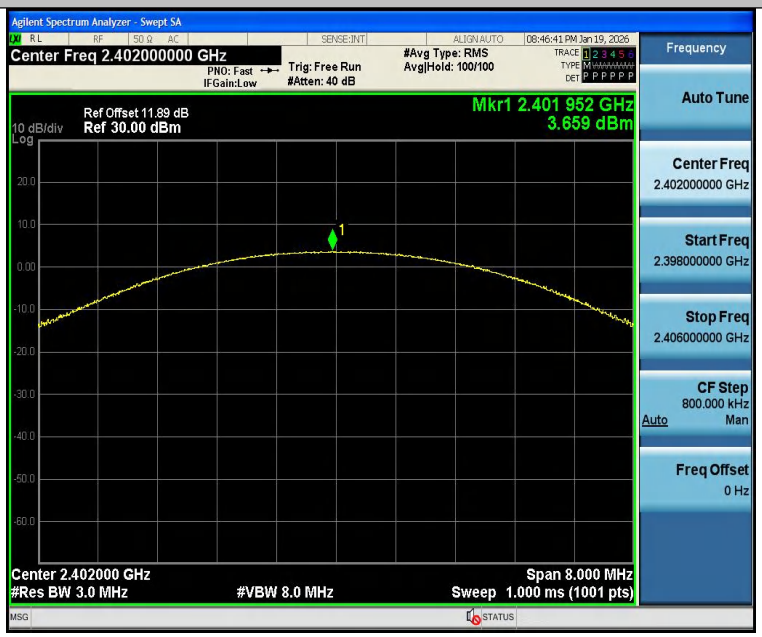
R:

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	3.11	≤20.97	PASS
DH5	Ant1	2441	2.42	≤20.97	PASS
DH5	Ant1	2480	1.30	≤20.97	PASS
2DH5	Ant1	2402	3.69	≤20.97	PASS
2DH5	Ant1	2441	2.98	≤20.97	PASS
2DH5	Ant1	2480	1.65	≤20.97	PASS
3DH5	Ant1	2402	4.16	≤20.97	PASS
3DH5	Ant1	2441	3.20	≤20.97	PASS
3DH5	Ant1	2480	2.14	≤20.97	PASS

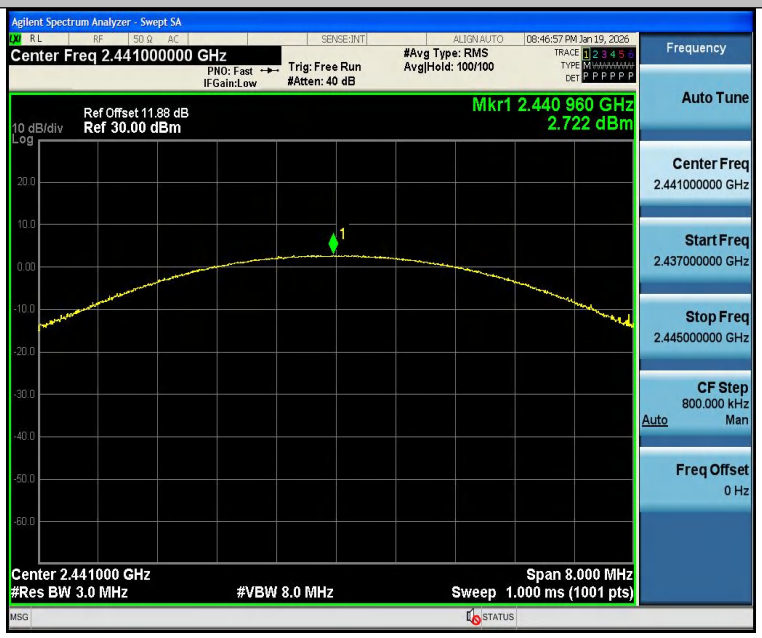
Test Graphs:

L:

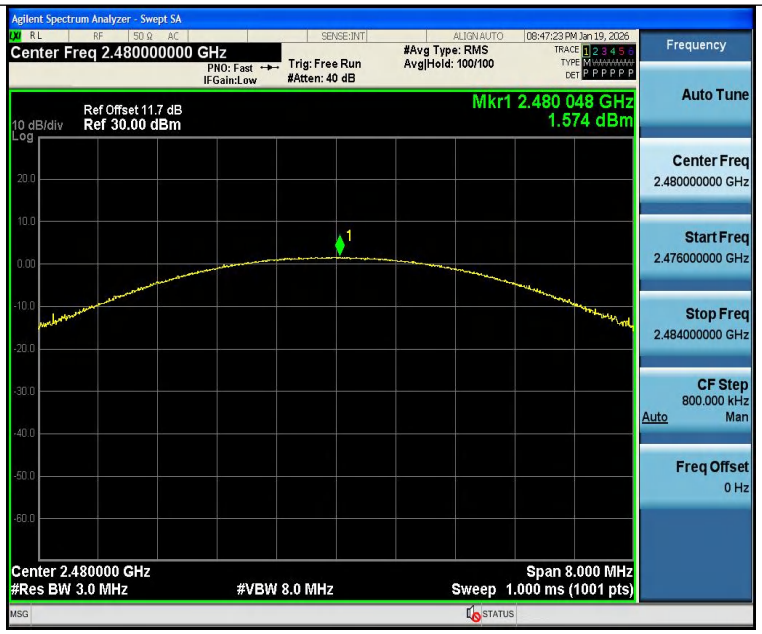
DH5-Ant1-2402-PASS



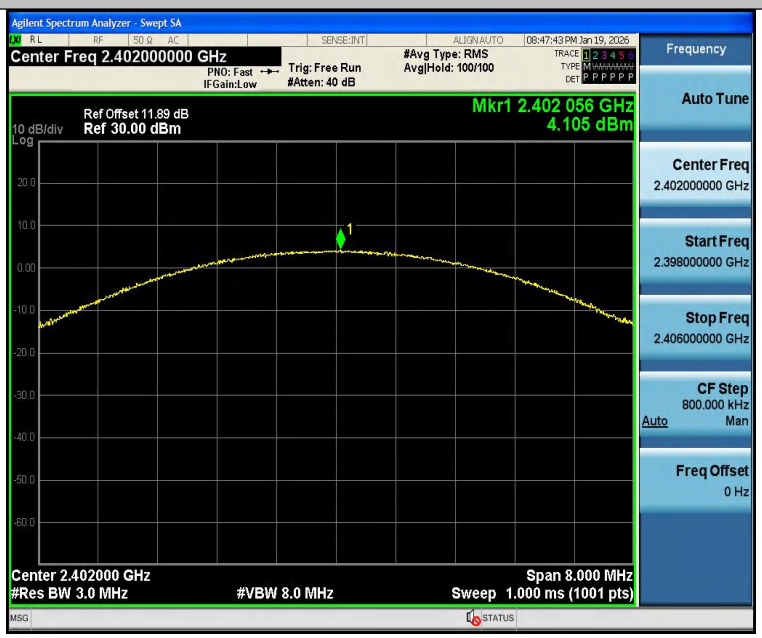
DH5-Ant1-2441-PASS



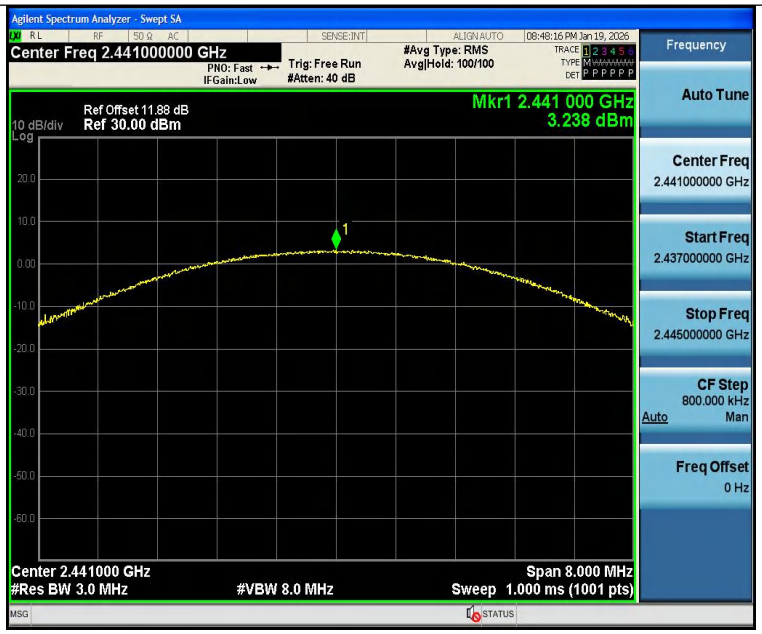
DH5-Ant1-2480-PASS



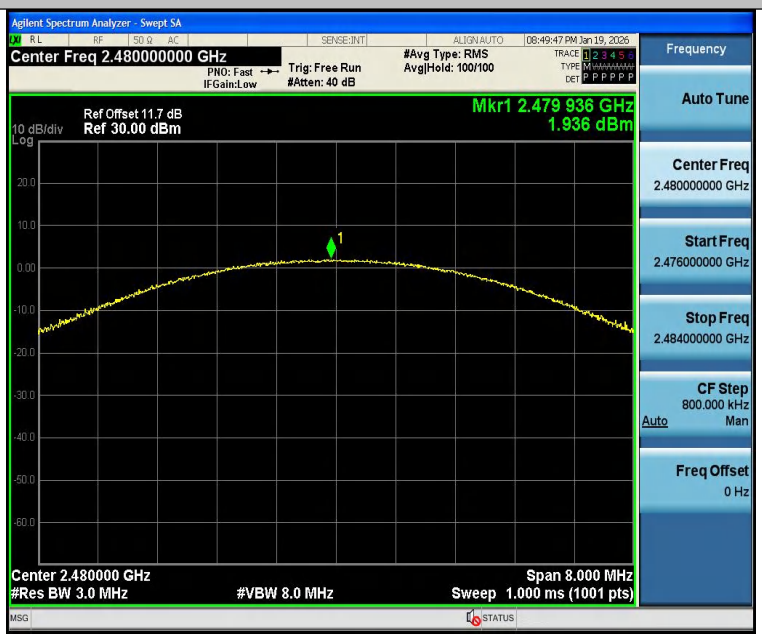
2DH5-Ant1-2402-PASS



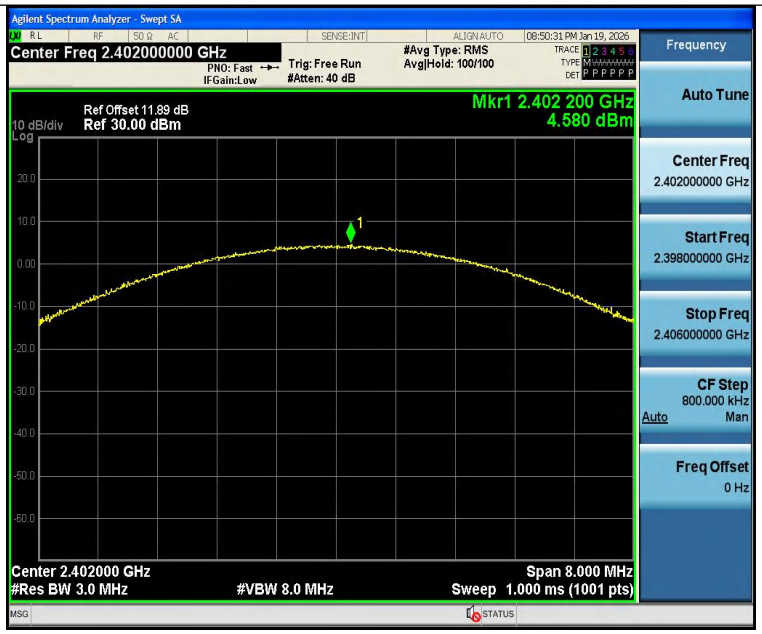
2DH5-Ant1-2441-PASS



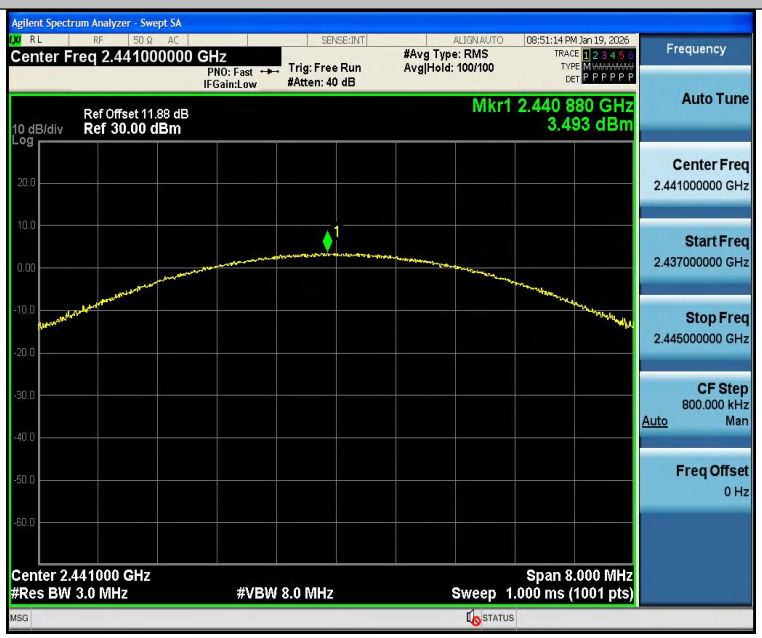
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



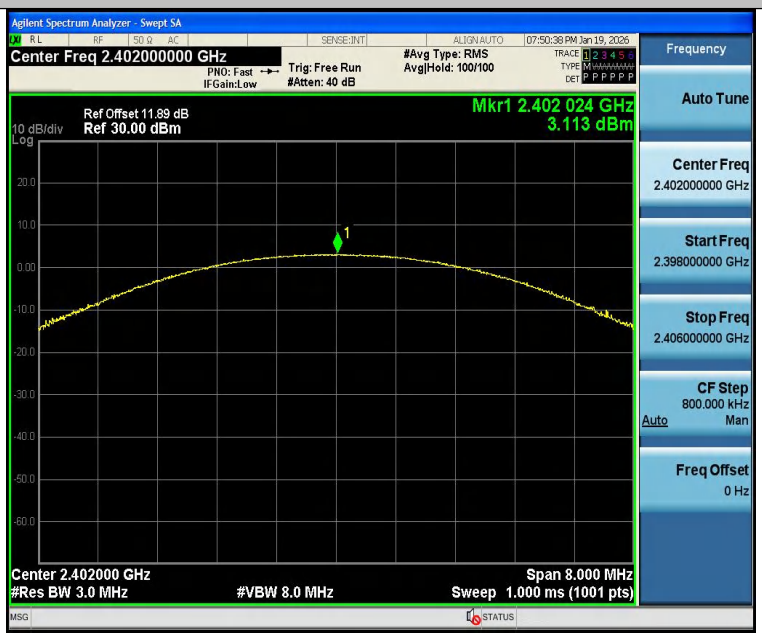
3DH5-Ant1-2441-PASS



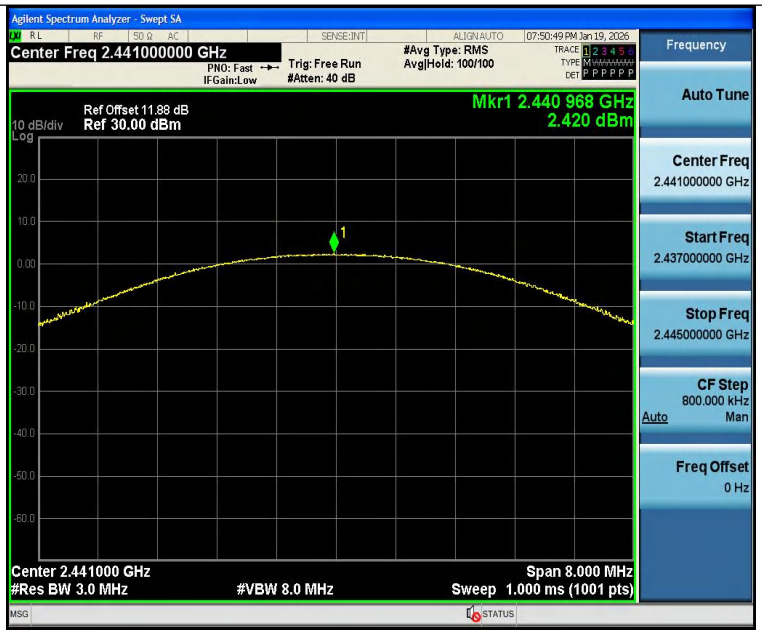
3DH5-Ant1-2480-PASS

R：

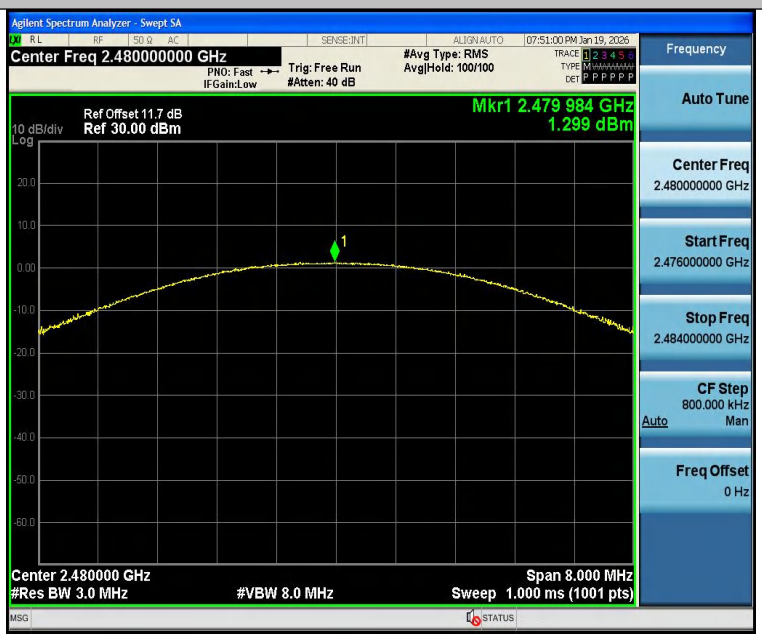
DH5-Ant1-2402-PASS



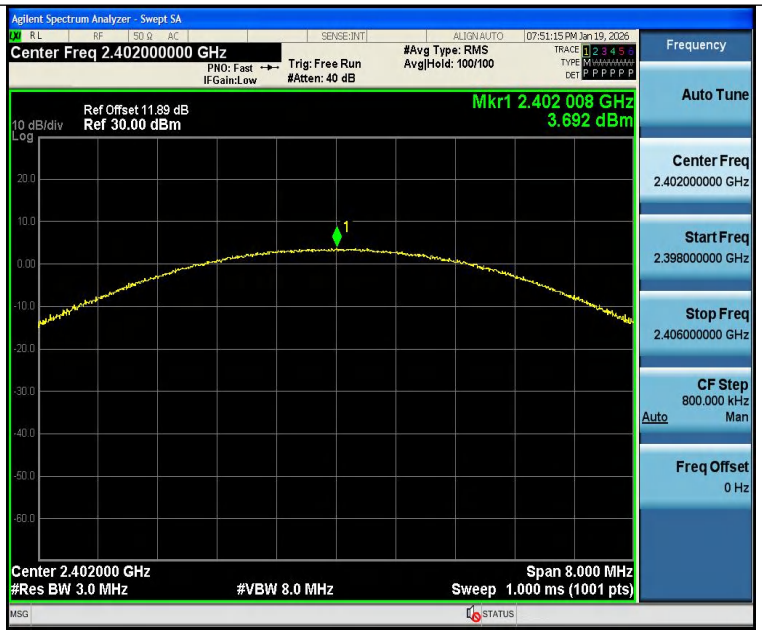
DH5-Ant1-2441-PASS



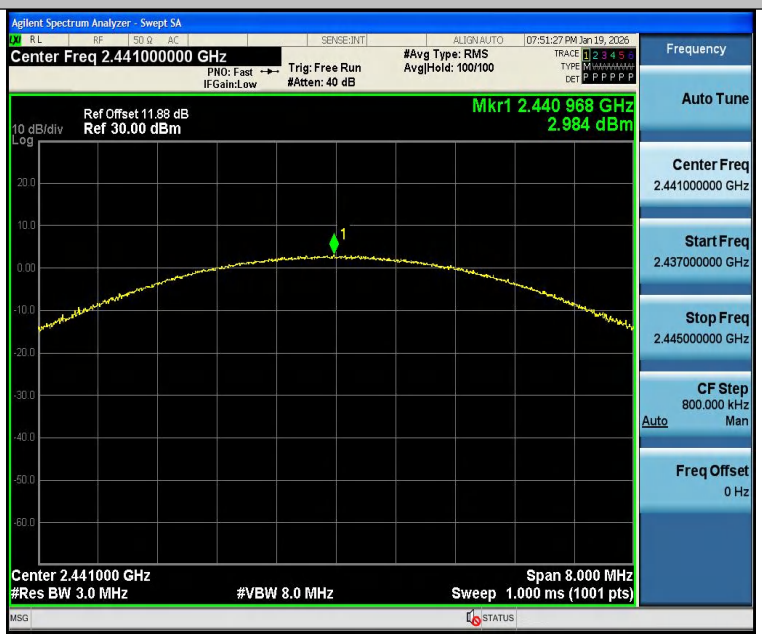
DH5-Ant1-2480-PASS



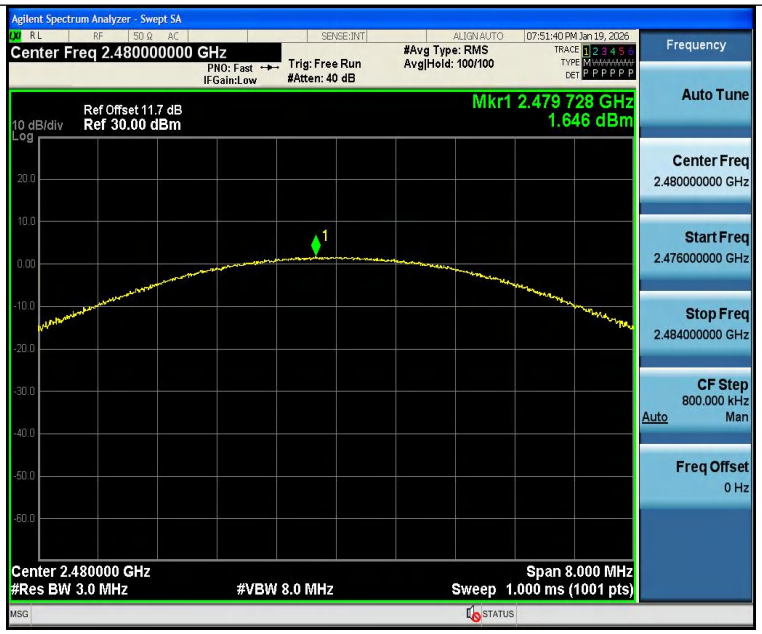
2DH5-Ant1-2402-PASS



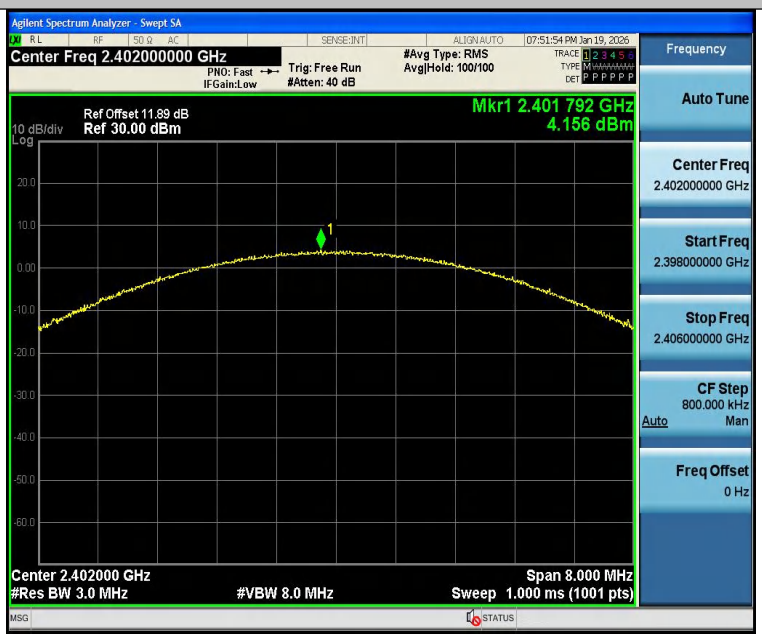
2DH5-Ant1-2441-PASS



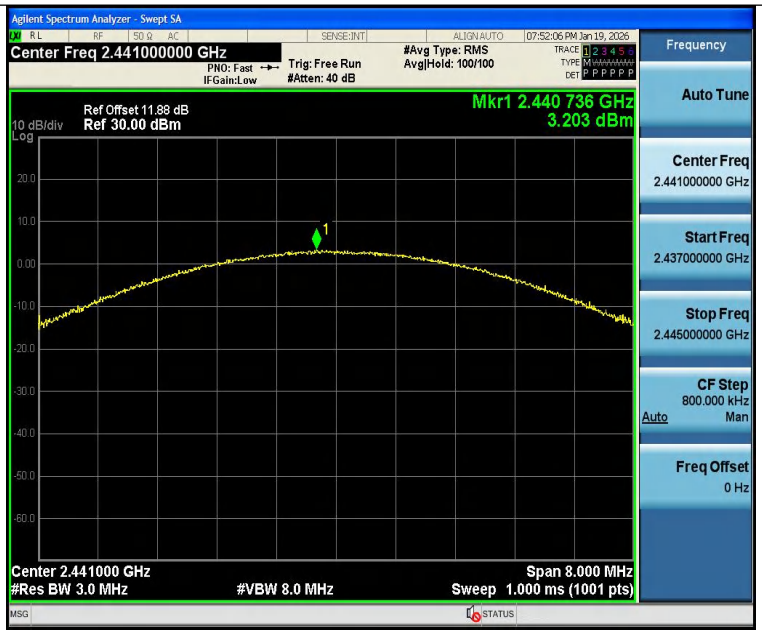
2DH5-Ant1-2480-PASS



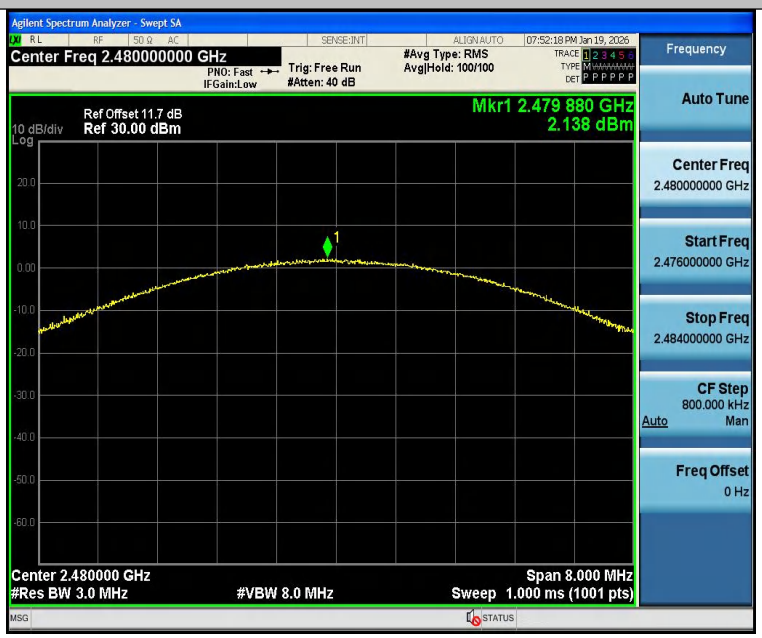
3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS



3DH5-Ant1-2480-PASS

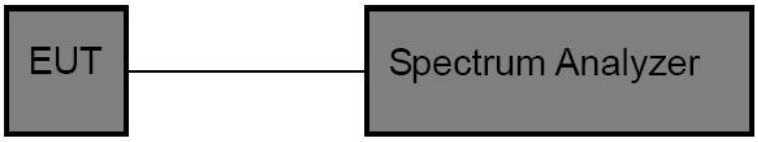


9 20DB Occupy Bandwidth Test

9.1 Test Standard

Test Standard	FCC Part15 C Section 15.247 (a)(1)

9.2 Test Setup



9.3 Test Procedure

Using the following spectrum analyzer settings:

1. Span= approximately 2 to 3 times the 20dB bandwidth, centered on a hopping channel.
2. Set the RBW = 30 kHz.
3. Set the VBW = 100 kHz.
4. Sweep time = auto couple.
5. Detector function = peak.
6. Trace mode = max hold.
7. Allow trace to fully stabilize.

9.4 Test Data

Test Item	:	20dB BW	Test Mode	:	CH Low ~ CH High
Test Voltage	:	3.7V	Temperature	:	24.5℃
Test Result	:	PASS	Humidity	:	55%RH

L：

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.927	2401.580	2402.507	---	---
DH5	Ant1	2441	0.933	2440.571	2441.504	---	---
DH5	Ant1	2480	0.942	2479.571	2480.513	---	---
2DH5	Ant1	2402	1.275	2401.400	2402.675	---	---
2DH5	Ant1	2441	1.356	2440.352	2441.708	---	---
2DH5	Ant1	2480	1.347	2479.355	2480.702	---	---
3DH5	Ant1	2402	1.272	2401.394	2402.666	---	---
3DH5	Ant1	2441	1.260	2440.388	2441.648	---	---
3DH5	Ant1	2480	1.269	2479.385	2480.654	---	---

R：

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.963	2401.559	2402.522	---	---
DH5	Ant1	2441	0.945	2440.568	2441.513	---	---
DH5	Ant1	2480	0.981	2479.544	2480.525	---	---
2DH5	Ant1	2402	1.272	2401.400	2402.672	---	---
2DH5	Ant1	2441	1.281	2440.400	2441.681	---	---
2DH5	Ant1	2480	1.272	2479.400	2480.672	---	---
3DH5	Ant1	2402	1.278	2401.385	2402.663	---	---
3DH5	Ant1	2441	1.287	2440.385	2441.672	---	---
3DH5	Ant1	2480	1.290	2479.385	2480.675	---	---

Test Graphs:

L：

DH5-Ant1-2402

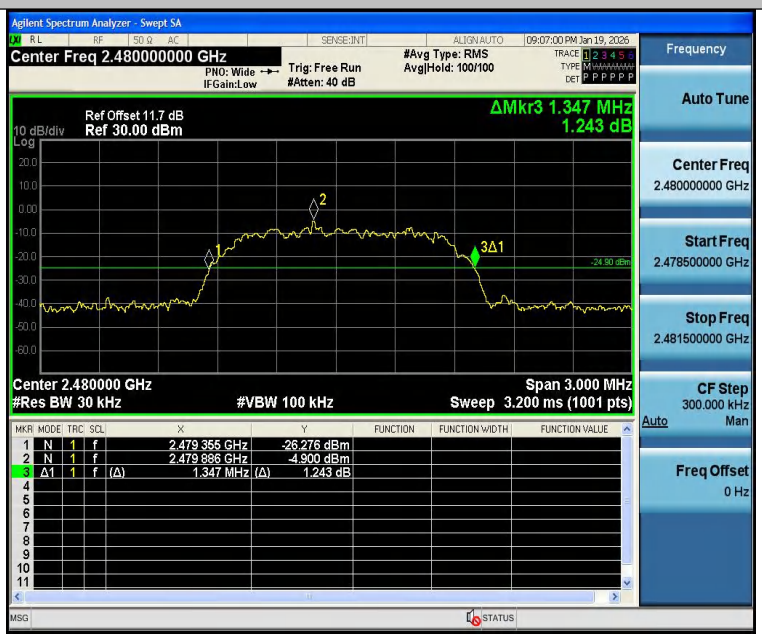
DH5-Ant1-2441

DH5-Ant1-2480

2DH5-Ant1-2402

2DH5-Ant1-2441

2DH5-Ant1-2480



3DH5-Ant1-2402

3DH5-Ant1-2441

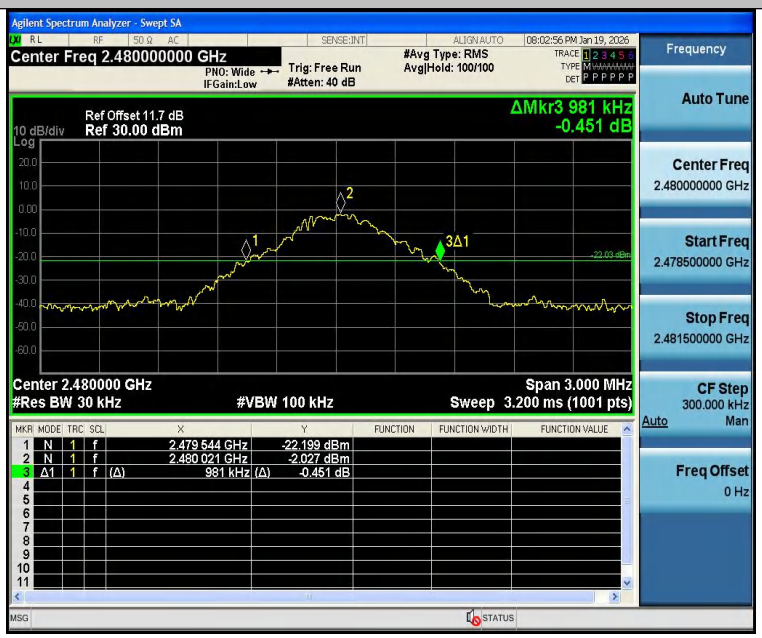
3DH5-Ant1-2480

R:

DH5-Ant1-2402

DH5-Ant1-2441

DH5-Ant1-2480



2DH5-Ant1-2402

2DH5-Ant1-2441

2DH5-Ant1-2480

3DH5-Ant1-2402

3DH5-Ant1-2441

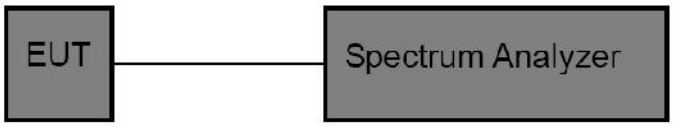
3DH5-Ant1-2480

10 Carrier Frequency Separation Test

10.1 Test Standard and Limit

Test Standard	FCC Part15 C Section 15.247 (a)(1)
Test Limit	>25KHz or >two-thirds of the 20 dB bandwidth

10.2 Test Setup



10.3 Test Procedure

The EUT must have its hopping function enabled. Using the following spectrum analyzer settings:

1. Span= Wide enough to capture the peaks of two adjacent channels
2. Set the RBW = 300 kHz.
3. Set the VBW = 300 kHz.
4. Sweep time = auto couple.
5. Detector function = peak.
6. Trace mode = max hold.
7. Allow trace to fully stabilize.

10.4 Test Data

Test Item	:	Frequency Separation	Test Mode	:	CH Low ~ CH High
Test Voltage	:	3.7V	Temperature	:	24.5℃
Test Result	:	PASS	Humidity	:	55%RH

L：

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.844	≥0.628	PASS
2DH5	Ant1	Hop	1.016	≥0.904	PASS
3DH5	Ant1	Hop	1.016	≥0.848	PASS

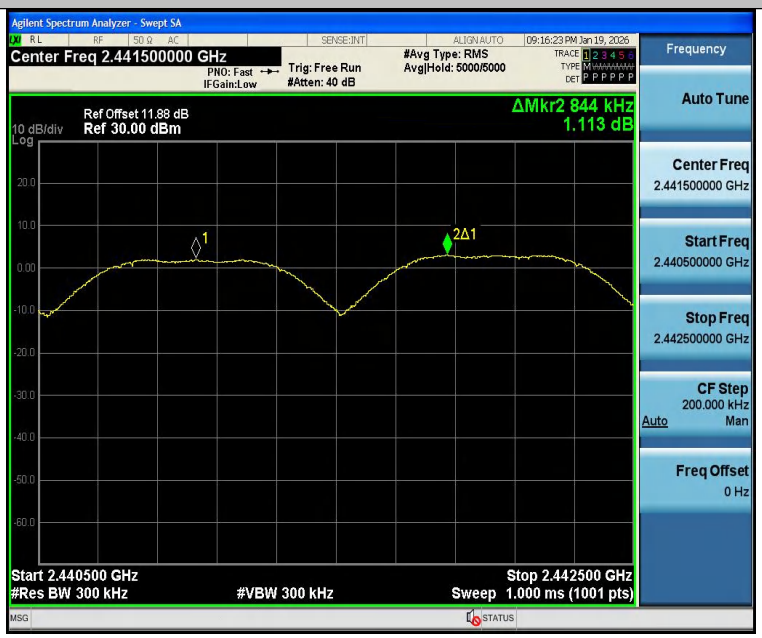
R：

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.014	≥0.654	PASS
2DH5	Ant1	Hop	0.984	≥0.854	PASS
3DH5	Ant1	Hop	0.986	≥0.860	PASS

Test Graphs:

L：

DH5-Ant1-Hop-PASS

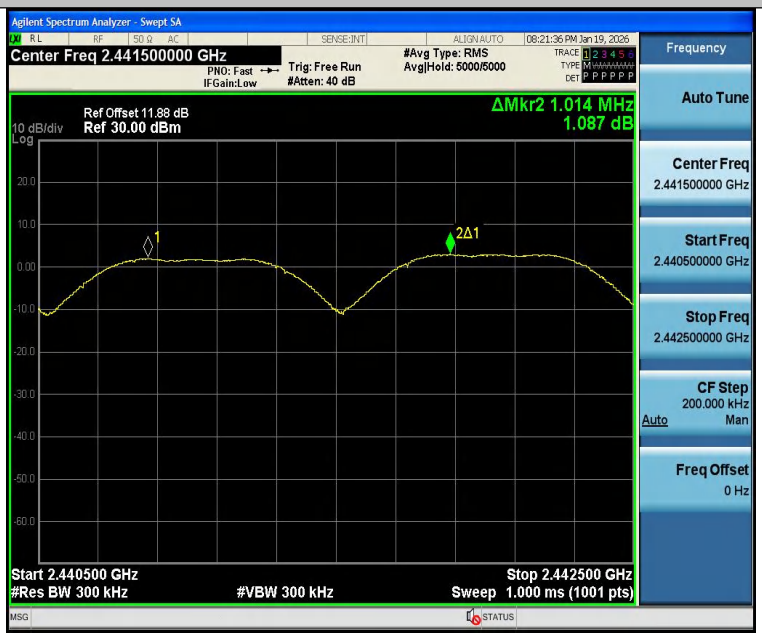


2DH5-Ant1-Hop-PASS

3DH5-Ant1-Hop-PASS

R:

DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS

3DH5-Ant1-Hop-PASS

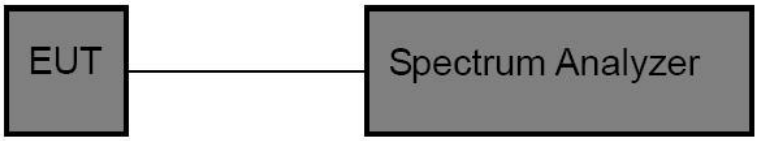
Agilent Spectrum Analyzer - Swept SA
Center Freq 2.441500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
#Avg Type: RMS
Avg|Hold: 5000/5000
08:38:44 PM Jan 19, 2026
Ref Offset 11.88 dB
10 dB/div
Ref 30.00 dBm
Log
ΔMkr2 986 kHz
1.133 dB
Start 2.440500 GHz
#Res BW 300 kHz
#VBW 300 kHz
Stop 2.442500 GHz
Sweep 1.000 ms (1001 pts)
Frequency
Auto Tune
Center Freq
2.441500000 GHz
Start Freq
2.440500000 GHz
Stop Freq
2.442500000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

11 Number of Hopping Channel Test

11.1 Test Standard and Limit

Test Standard	FCC Part15 C Section 15.247 (a)(1)
Test Limit	>15 channels

11.2 Test Setup



11.3 Test Procedure

The EUT must have its hopping function enabled. Using the following spectrum analyzer setting:

1. Span= the frequency band of operation
2. Set the RBW = 300kHz.
3. Set the VBW = 300kHz.
4. Sweep time = auto couple.
5. Detector function = peak.
6. Trace mode = max hold.
7. Allow trace to fully stabilize.

11.4 Test Data

Test Item	:	Number of Hopping Frequency	Test Mode	:	CH Low ~ CH High
Test Voltage	:	3.7V	Temperature	:	24.5℃
Test Result	:	PASS	Humidity	:	55%RH

L:

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

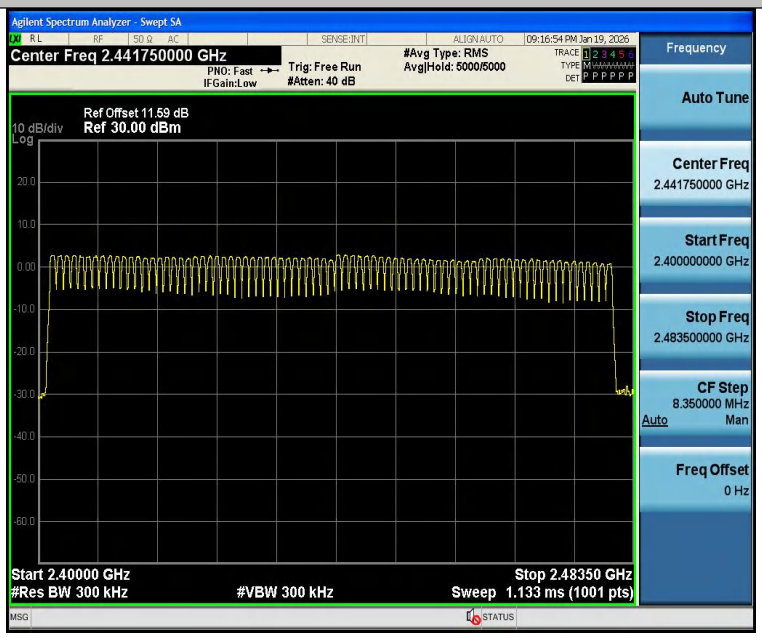
R:

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

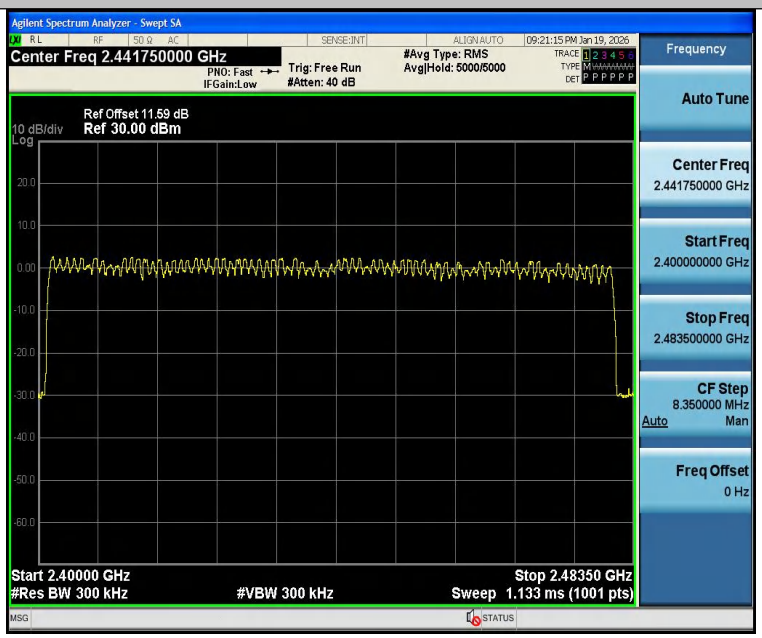
Test Graphs:

L:

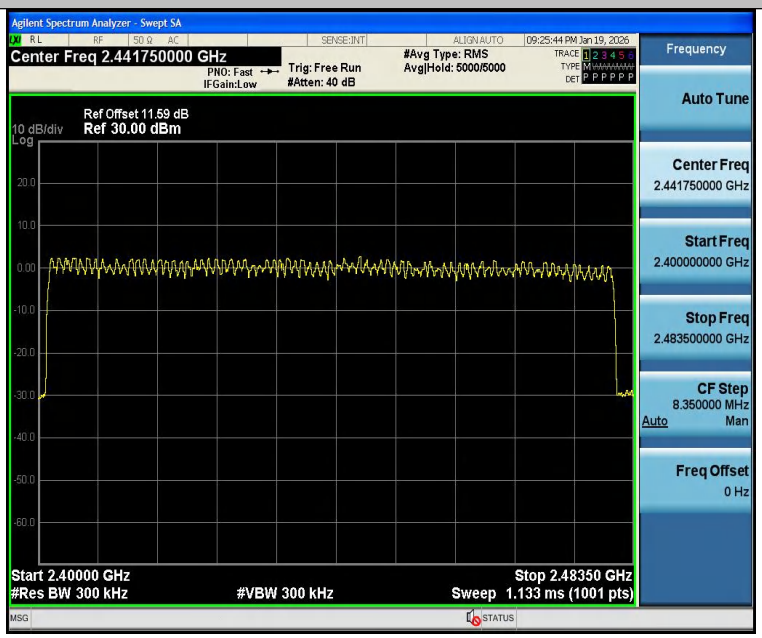
DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS

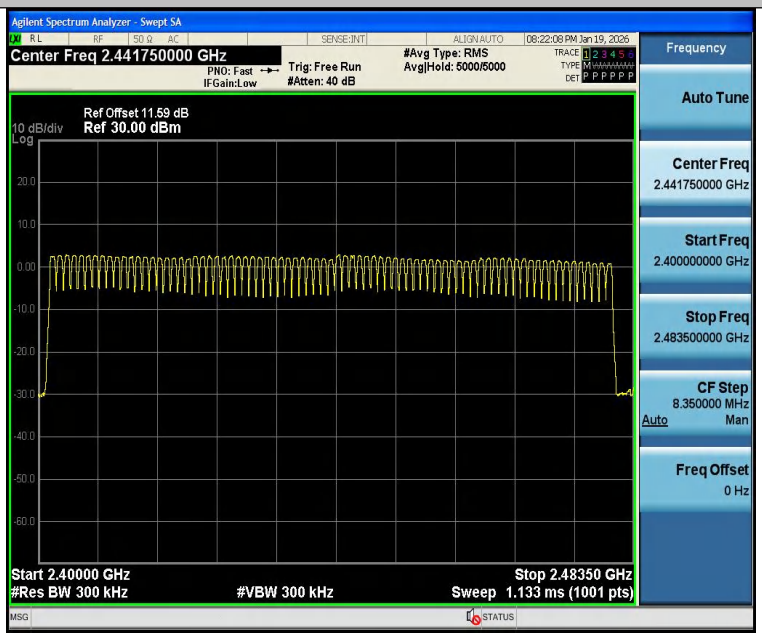


3DH5-Ant1-Hop-PASS

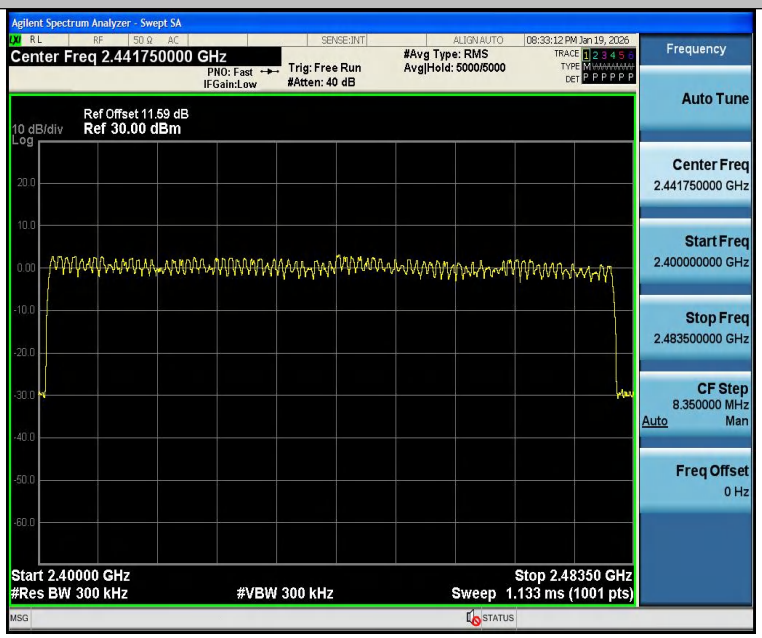


R:

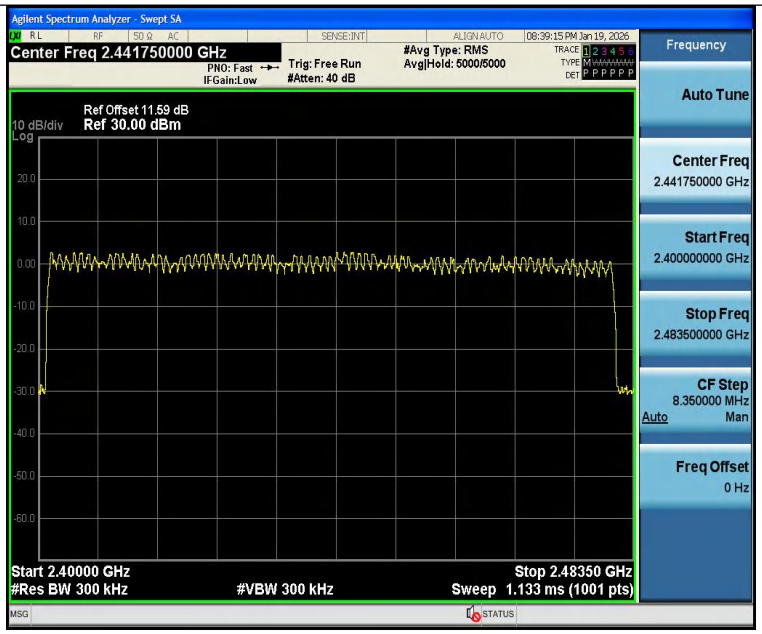
DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

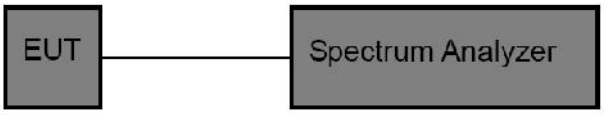

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.441750000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
#Avg Type: RMS
Avg|Hold: 5000/5000
08:39:15 PM Jan 19, 2026
Ref Offset 11.59 dB
10 dB/div
Ref 30.00 dBm
Log
Start 2.40000 GHz
#Res BW 300 kHz
#VBW 300 kHz
Stop 2.48350 GHz
Sweep 1.133 ms (1001 pts)
Frequency
Auto Tune
Center Freq
2.441750000 GHz
Start Freq
2.400000000 GHz
Stop Freq
2.483500000 GHz
CF Step
8.350000 MHz
Auto
Man
Freq Offset
0 Hz

12 Dwell Time Test

12.1 Test Standard and Limit

Test Standard	FCC Part15 C Section 15.247 (a)(1)
Test Limit	0.4 sec

12.2 Test Setup



12.3 Test Procedure

The EUT must have its hopping function enabled. Use the following spectrum analyzer settings:

1. Span= zero span, centered on a hopping channel
2. Set the RBW = 1 MHz.
3. Set the VBW = 3 MHz.
4. Sweep time = as necessary to capture the entire dwell time per hopping channel.
5. Detector function = peak.
6. Trace mode = clear write.
7. Allow trace to fully stabilize.

12.4 Test Data

Test Item	:	Time of Occupancy	Test Mode	:	CH Low ~ CH High
Test Voltage	:	3.7V	Temperature	:	24.5℃
Test Result	:	PASS	Humidity	:	55%RH

L:

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.908	106.67	0.31	≤0.4	PASS
2DH5	Ant1	Hop	2.915	106.67	0.311	≤0.4	PASS
3DH5	Ant1	Hop	2.917	106.67	0.311	≤0.4	PASS
DH1	Ant1	Hop	0.404	320	0.129	≤0.4	PASS
2DH1	Ant1	Hop	0.415	320	0.133	≤0.4	PASS
3DH1	Ant1	Hop	0.417	320	0.133	≤0.4	PASS
DH3	Ant1	Hop	1.662	160	0.266	≤0.4	PASS
2DH3	Ant1	Hop	1.667	160	0.267	≤0.4	PASS
3DH3	Ant1	Hop	1.667	160	0.267	≤0.4	PASS

R:

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.908	106.67	0.31	≤0.4	PASS
2DH5	Ant1	Hop	2.915	106.67	0.311	≤0.4	PASS
3DH5	Ant1	Hop	2.917	106.67	0.311	≤0.4	PASS
DH1	Ant1	Hop	0.404	320	0.129	≤0.4	PASS
2DH1	Ant1	Hop	0.414	320	0.132	≤0.4	PASS
3DH1	Ant1	Hop	0.417	320	0.133	≤0.4	PASS
DH3	Ant1	Hop	1.661	160	0.266	≤0.4	PASS
2DH3	Ant1	Hop	1.666	160	0.267	≤0.4	PASS
3DH3	Ant1	Hop	1.667	160	0.267	≤0.4	PASS

Note:

1.DH1/2DH1/3DH1 Dwell Time: Reading * (1600/2)*31.6/(channel number).

2.DH3/2DH3/3DH3 Dwell Time: Reading * (1600/4)*31.6/(channel number).

3.DH5/2DH5/3DH5 Dwell Time: Reading * (1600/6)*31.6/(channel number).

Test Graphs:

L：

DH5-Ant1-Hop-PASS

2DH5-Ant1-Hop-PASS

3DH5-Ant1-Hop-PASS