

Test Report No.: 25072404-RF-US-01

FCC Part 15, Subpart C Test Report

FCC ID: 2AGJ43KRE

Applicant: Specialty Technologies, LLC

Address: 340 Victoria Rd Youngstown Ohio 44515, USA

Manufacturer: Specialty Technologies, LLC

Address: 340 Victoria Rd Youngstown Ohio 44515, USA

Product: Powered Subwoofer

Brand: SVS

Test Model(s): PB-3000 R|Evolution, SB-3000 R|Evolution, 3000 Micro R|Evolution

Series Model(s): N/A

Test Date: Aug. 08, 2025~ Sep. 17, 2025

Issued Date: Sep. 22, 2025

Issued By: Hwa-Hsing (Dongguan) Testing Co., Ltd.

Address: No.101, Building N1, Yuyuan 2 Road, Yuyuan Industrial Park, HuangJiang
Town, Dongguan City, People's Republic of China

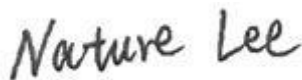
Test Firm Registration No.: 915896

Designation No.: CN1255

Standards: 47 CFR FCC Part 15, Subpart C (Section 15.247)
ANSI C63.10:2013

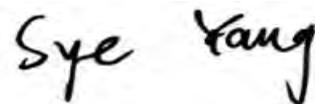
The above equipment has been tested by **Hwa-Hsing (Dongguan) Testing Co., Ltd.**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by :



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Reviewed by :



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Release Control Record

Issue No.	Description	Date Issued
25072404-RF-US-01	Original Release	Sep. 22, 2025

1. Summary of Test Results

47 CFR FCC Part 15, Subpart C (Section 15.247) KDB 558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013			
Clause	Test Item	Result	Remarks
15.207	AC Power Conducted Emission	Pass	Meet the requirement of limit.
15.205 & 209	Radiated Emissions	Pass	Meet the requirement of limit.
15.247(d)	Band Edge Measurement	Pass	Meet the requirement of limit.
15.247(d)	Antenna Port Emission	Pass	Meet the requirement of limit.
15.247(a)(2)	6dB Bandwidth	Pass	Meet the requirement of limit.
---	Occupied Bandwidth Measurement	Pass	Reference only
15.247(b)	Conducted power	Pass	Meet the requirement of limit.
15.247(e)	Power Spectral Density	Pass	Meet the requirement of limit.
15.203	Antenna Requirement	Pass	No antenna connector is used. The device is professionally installed

Note: The EUT has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC).
The test report has been issued separately.

1.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

The listed uncertainties are the worst cases uncertainty for the entire range of measurement. Please note that the uncertainty values are provided for informational purposes only and are not used in determining the PASS/FAIL results.

Measurement	Frequency	Expanded Uncertainty (k=2) (±)
Radiated Emissions up to 1 GHz	9KHz ~ 30MHz	2.16 dB
	30MHz ~ 1000MHz	3.47 dB
Radiated Emissions above 1 GHz	1GHz ~ 6GHz	4.71 dB
	6GHz~18GHz	4.84 dB
	18GHz ~ 40GHz	5.73 dB

1.2 Modification Record

There were no modifications required for compliance.

2. General Information**2.1 General Description of EUT**

Product	Powered Subwoofer
Test Model(s)	PB-3000 R Evolution, SB-3000 R Evolution, 3000 Micro R Evolution
Sample No.	HS2507240404, HS2507240405, HS2507240406 HS2507240407, HS2507240408
Series Model(s)	N/A
Status of EUT	Engineering Prototype
Power Supply Rating	100V-240V ~ 50-60Hz 1000W
Modulation Type	GFSK for DTS
Transfer Rate	1 Mbps, 2Mbps
Operating Frequency	2402 ~ 2480MHz
Number of Channel	40
Maximum Output Power	4.36dBm (Peak)
Antenna Type and Antenna Gain	3000 Micro R Evolution: PCB Antenna; 2.24dBi Gain PB-3000 R Evolution, SB-3000 R Evolution: FPC Antenna; 4.53dBi Gain
Antenna Connector	N/A
Accessory Device	N/A
Cable Supplied	AC Cable: 180cm Non-shielded, Detachable

Note:

1. Please refer to the EUT photo document (Reference No.: 25072404-01&02) for detailed product photo.
2. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.
3. Hwa-Hsing (Dongguan) Testing Co., Ltd. is not responsible for the accuracy of the information provided by the manufacturer.
4. For the test results, the EUT had been tested with all conditions, and only the worst case was shown in the test report.
5. Model differences: All models are identical with each other except for model name, software, appearance, antenna type, size of loud speaker and size of the main unit.

All the models were tested. The model 3000 Micro R|Evolution had the highest power and was selected for the test results to be recorded in the report. And the model SB-3000 R|Evolution need only test RSE below 1GHz and Above 1GHz, and PB-3000 R|Evolution need only test RSE below 1GHz.

2.2 Description of Test Channels

40 channels are provided to this EUT:

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

2.3 Test Mode Applicability and Tested Channel Detail

EUT Configure Mode	Applicable test items	X-Axis	Y-Axis	Z-Axis	Voltage Supply
Radiated	AC Power Conducted Emission	N/A	N/A	N/A	AC 120V
Radiated	Radiated Emissions	√	√	√	
Antenna Port Conducted Measurement	Band Edge Measurement	N/A	N/A	N/A	
	Antenna Port Emission	N/A	N/A	N/A	
	6dB Bandwidth	N/A	N/A	N/A	
	Occupied Bandwidth Measurement	N/A	N/A	N/A	
	Conducted power	N/A	N/A	N/A	
	Power Spectral Density	N/A	N/A	N/A	

- *: The EUT had been pre-tested on the positioned of each 3 Axis. The worst case was found when positioned on **Z-plane**.
- "N/A" means no effect.

Test Condition:

Applicable test items	Environmental Conditions	Test Date	Tested by
Radiated Emissions	24.0deg. C, 55%RH	Sep. 01, 2025	Hua
Antenna Port Conducted Measurement	25.8deg. C, 52.5%RH	Aug. 29, 2025	Yonah

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.

Radiated Emission Test (Above 1GHz):

EUT Configure Mode	Available Channel	Tested Channel	Modulation Type	Data Rate (Mbps)
-	0 to 39	0, 19, 39	GFSK	1
-	0 to 39	0, 19, 39	GFSK	2

Radiated Emission Test (Below 1GHz):

EUT Configure Mode	Available Channel	Tested Channel	Modulation Type	Data Rate (Mbps)
-	0 to 39	0	GFSK	1
-	0 to 39	0	GFSK	2

Power Line Conducted Emission Test:

EUT Configure Mode	Available Channel	Tested Channel	Modulation Type	Data Rate (Mbps)
-	0 to 39	39	GFSK	1
-	0 to 39	39	GFSK	2

Antenna Port Conducted Measurement:

*This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.

EUT Configure Mode	Available Channel	Tested Channel	Modulation Type	Data Rate (Mbps)
-	0 to 39	0, 19, 39	GFSK	1
-	0 to 39	0, 19, 39	GFSK	2

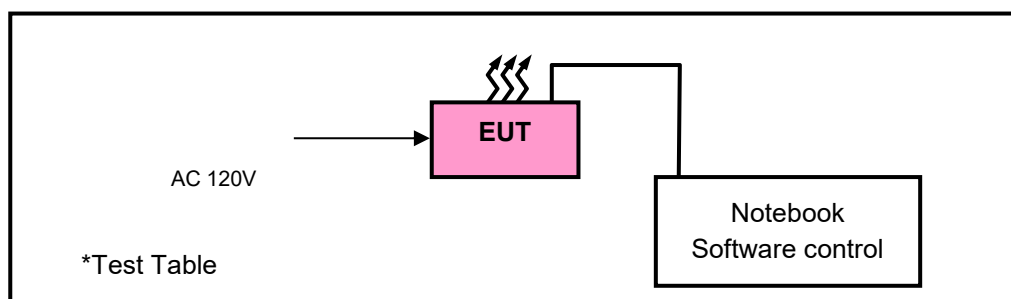
2.4 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

No.	Product	Brand	Model No.	Serial No.	FCC ID
1	Notebook	HUAWEI	NbD-WFH9	EUEPM21725002655	N/A
2	Notebook	DELL	Inspiron 14R Aluminum Edition	6WPG9-63PV4-RBPF2-T6RHW-W9GBP	N/A

No.	Signal Cable Description of The Above Support Units
1.	USB extension cord: Unshielded, Detachable 1.2m;

2.5 Configuration of System under Test



3. Test Types and Results

3.1 Radiated Emission and Band-edge Measurement

3.1.1 Limits of radiated emission and band-edge measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3
* DTS emissions in non-restricted frequency bands Subclause 11.11 of ANSI C63.10 is applicable.		
* DTS emissions in restricted frequency bands Subclause 11.12 of ANSI C63.10 is applicable.		

Note:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

3.1.2 Test Instruments

Frequency Range below 1GHz:

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver (9kHz~3GHz)	Rohde&Schwarz	ESPI 7	101978	2026-07-23
Broadband antenna (30MHz~1000MHz)	Schwarzbeck	VULB 9168	00937	2026-07-25
3m Semi-anechoic Chamber	MAORUI	9m*6m*6m	HS-2018037	2026-03-13*
Signal Amplifier (30MHz~1000MHz)	Com-power	PAM-103	18020051	2026-07-23
Attenuator	R&S	TS2GA-6dB	18101101	N/A
Test software	FARAD	EZ EMC V1.1.4.2	N/A	N/A

Frequency Range above 1GHz:

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESPI 7	101978	2026-07-23
3m Semi-anechoic Chamber	MAORUI	9m*6m*6m	HS-2018037	2026-03-13*
Test software	FARAD	EZ EMC V1.1.4.2	N/A	N/A
Digital Multimeter	FLUKE	15B+	54990003WS	2026-07-28
Horn Antenna	Schwarzbeck	BBHA 9120 D	02202	2026-08-02
Spectrum Analyzer	Rohde&Schwarz	FSV40	101783	2026-07-23
Broadband Coaxial Preamplifier	Schwarzbeck	BBV 9718	00025	2026-07-23
Pre-Amplifier	EMCI	EMC 184045SE	9870709	2026-07-30
Spectrum	Keysight	N9020A	MY51240612	2026-07-23
Coaxial cable	NA	NA	HS-EMC-103	2026-07-23
Coaxial cable	NA	NA	HS-EMC-104/1 05	2026-07-23

Note:

1. The calibration interval of the above test instruments is 12/36* months and calibrated by LISAI/CHINA.
2. The test was performed in 966 chamber.

3.1.3 Test Procedures

a. Peak emission levels are measured by setting the instrument as follow:

- 1) RBW & VBW setting as a function of frequency:

Frequency	RBW	VBW
9kHz~150kHz	200Hz	600Hz
0.15MHz~30MHz	9kHz	30kHz
30MHz~1000MHz	120kHz	300kHz
>1000MHz	1MHz	3MHz

- 2) Detector = peak.
- 3) Sweep time = auto.
- 4) Trace mode = max hold.
- 5) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be lengthened for low-duty-cycle applications.)

Note: If the peak-detected amplitude can be shown to comply with the average limit, then it is not necessary to perform a separate average measurement.

b. Average emission levels are measured by setting the instrument as follow:**● Trace averaging with continuous EUT transmission at full power**

If the EUT can be configured or modified to transmit continuously ($D \geq 98\%$), then the average emission levels shall be measured using the following method (with EUT transmitting continuously):

- 1) RBW=1 MHz (unless otherwise specified).
- 2) VBW $\geq 3 \times$ RBW.
- 3) Detector =RMS
- 4) Sweep time = auto.
- 5) Perform a trace average of at least 100 traces.

● Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction

If continuous transmission of the EUT ($D \geq 98\%$) cannot be achieved and the duty cycle is constant (duty cycle variations are less than $\pm 2\%$), then the following procedure shall be used:

- 1) The EUT shall be configured to operate at the maximum achievable duty cycle.
- 2) Measure the duty cycle D of the transmitter output signal as described in 11.6.
- 3) RBW=1 MHz (unless otherwise specified).
- 4) VBW $\geq 3 \times$ RBW.
- 5) Detector =RMS
- 6) Sweep time = auto.
- 7) Perform a trace average of at least 100 traces.

A correction factor shall be added to the measurement results prior to comparing with the emission limit to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:

*If power averaging (rms) mode was used in step 5). then the applicable correction factor is $[10 \log (1/D)]$, where D is the duty cycle.

**If linear voltage averaging mode was used in step f). then the applicable correction factor is $[20 \log (1/D)]$, where D is the duty cycle.

***If a specific emission is demonstrated to be continuous ($D > 98\%$) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that.

● Reduced VBW Averaging across ON and OFF times of the EUT transmissions with max hold

If continuous transmission of the EUT ($D > 98\%$) cannot be achieved and the duty cycle is not constant (duty cycle variations exceed $\pm 2\%$), then the following procedure shall be used:

- 1) RBW = 1 MHz.
 - 2) VBW $\geq 1/T$.
 - 3) Detector = peak
 - 4) Sweep time = auto.
 - 5) Trace mode = max hold.
 - 6) Allow max hold to run for at least $[50 \times (1/D)]$ traces.
- c. The EUT was placed on the top of a rotating table 0.8 meters (below 1GHz) / 1.5 meters (Above 1GHz) above the reference ground. The table was rotated 360 degrees to determine the position of the highest radiation.
- d. The EUT was set 3 meters away from the interference-receiving antenna (Below 1GHz) & (Above 1GHz), which was mounted on the top of a variable-height antenna tower.
- e. The height of antenna 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.
- f. 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.
- g. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- h. The test-receiver system was set to peak and average detected function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

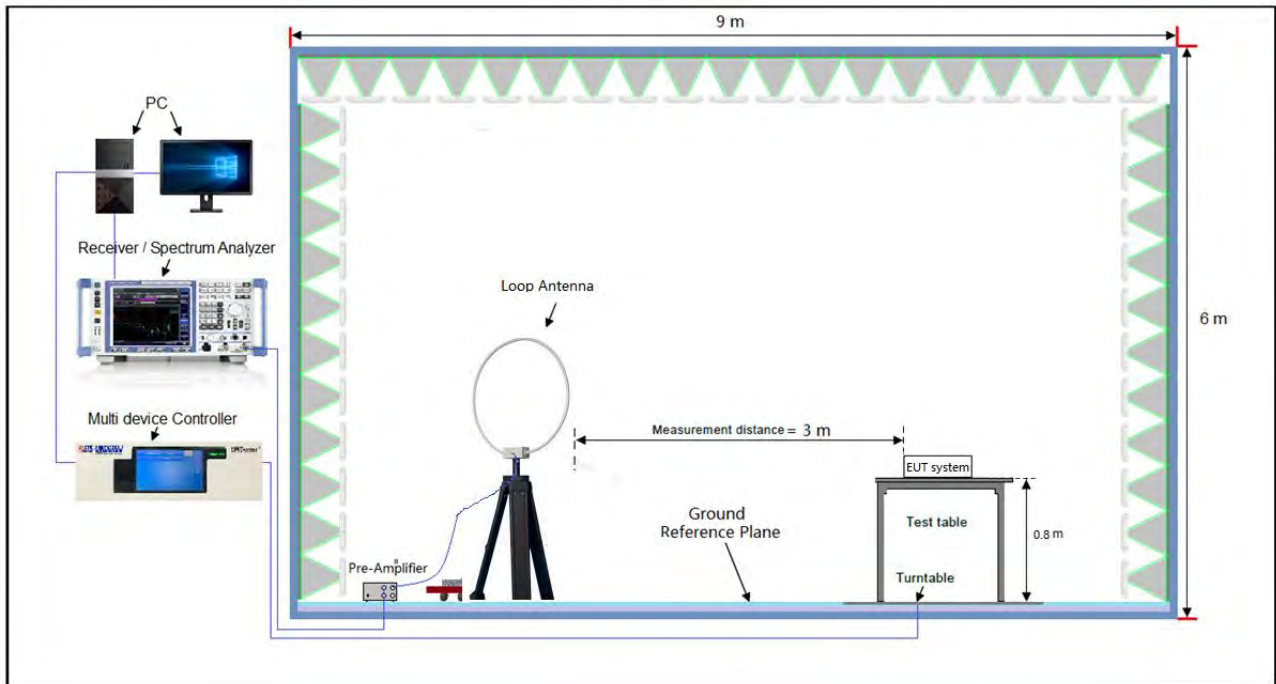
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz & 360kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth = 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth = $1/T$ for Average (Duty cycle $< 98\%$) detection at frequency above 1 GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is = 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.
5. All modes of operation were investigated and the worst-case emissions are reported.

3.1.4 Deviation from Test Standard

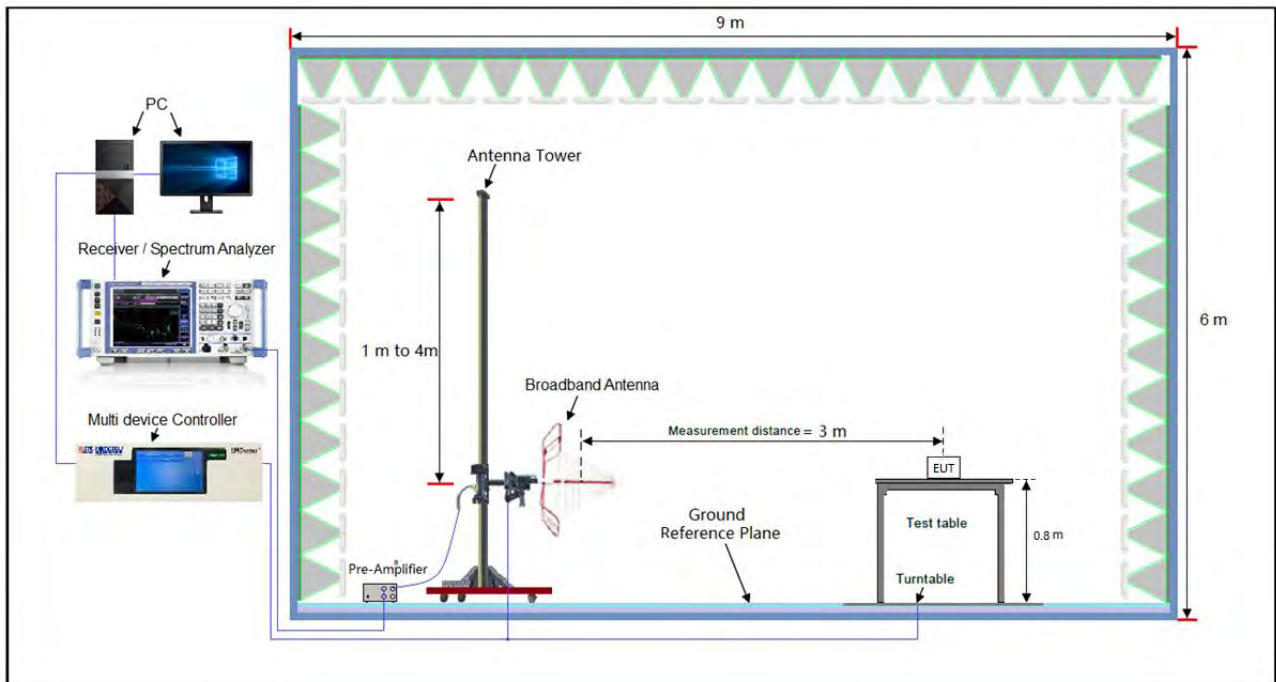
No deviation.

3.1.5 Test Setup

Radiated emission below 30MHz:

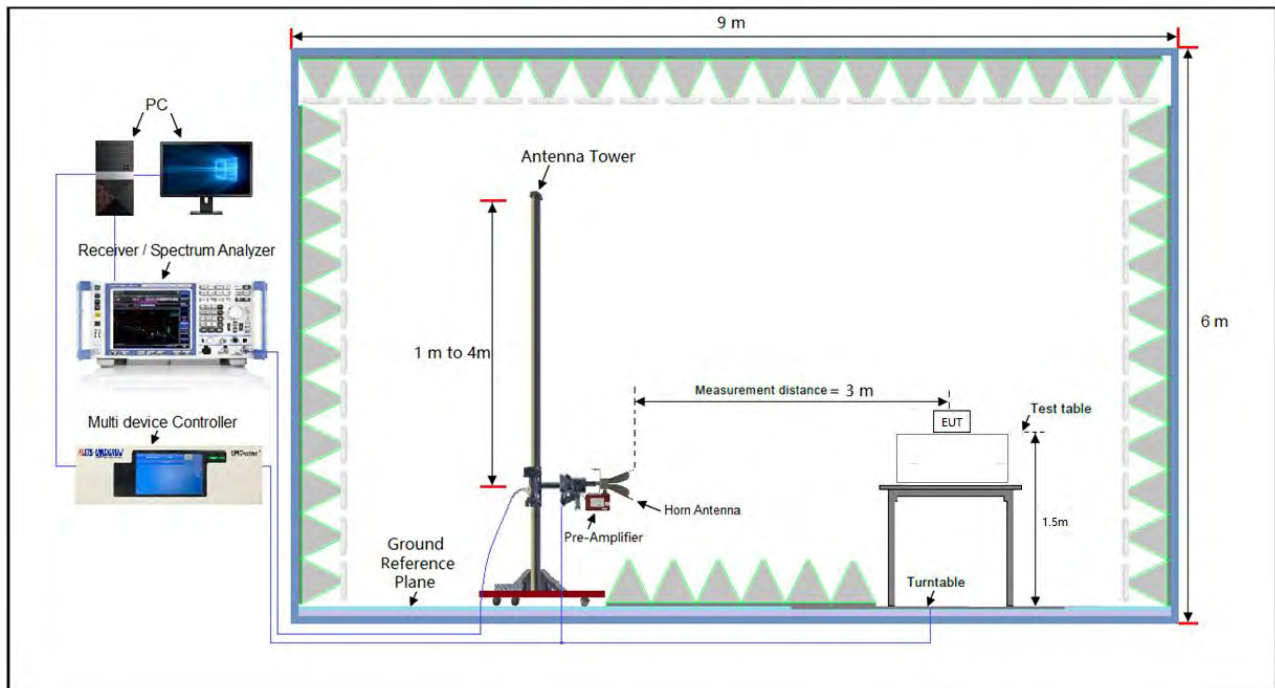


Frequency Range below 1GHz:



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Frequency Range above 1GHz:



For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.1.6 EUT Operating Conditions

- a. Placed the EUT on the testing table.
- b. Set the EUT under transmission condition continuously at specific channel frequency.

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3.1.7 Test Results

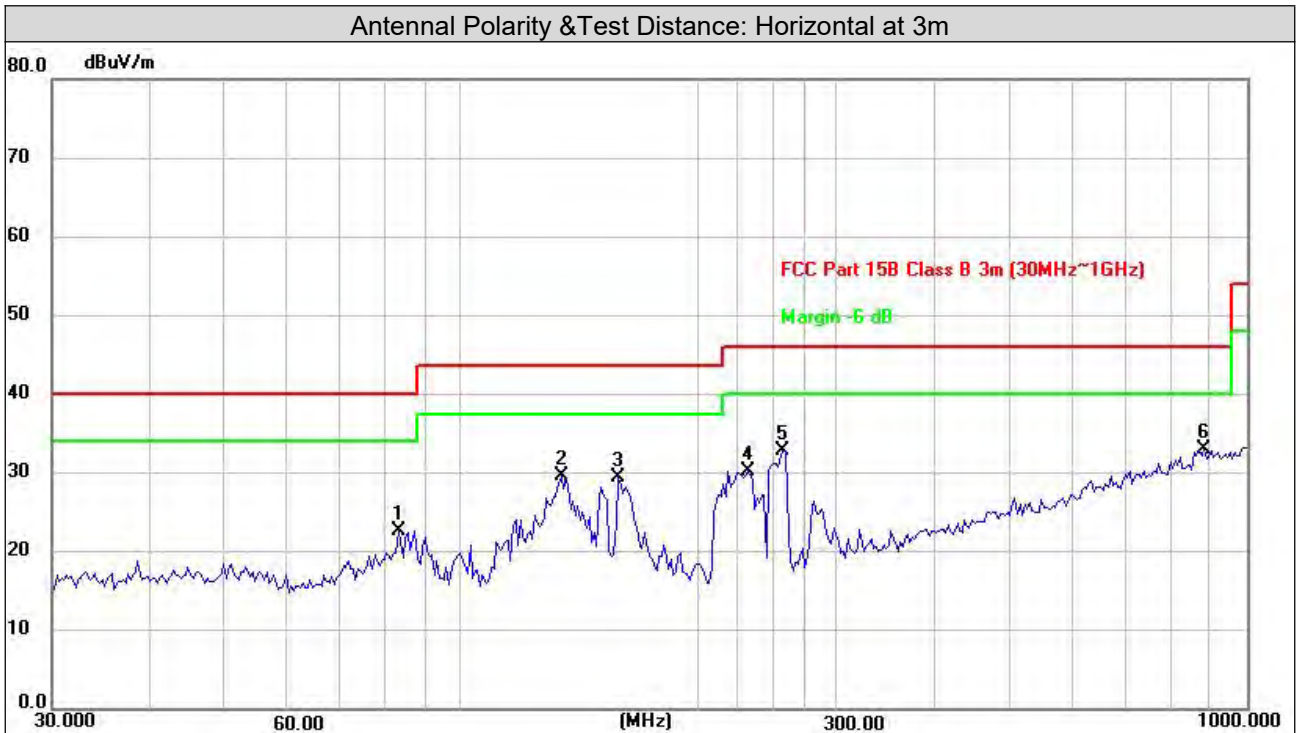
9kHz ~ 30MHz Data:

The amplitude of spurious emissions attenuated more than 20dB below the permissible value is not required to be report.

30MHz ~ 1GHz Worst-Case Data:

3000 Micro R|Evolution:

Test Channel	Channel 0	Frequency Range	30MHz ~ 1GHz
Detector Function	Peak (PK) Quasi-peak (QP)	Tested By	Hua



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	82.9385	42.10	-19.39	22.71	40.00	-17.29	peak	220	39
2	133.6188	43.95	-14.36	29.59	43.50	-13.91	peak	285	311
3	158.1123	42.92	-13.43	29.49	43.50	-14.01	peak	198	197
4	230.9068	46.52	-16.25	30.27	46.00	-15.73	peak	229	36
5	256.5211	47.46	-14.68	32.78	46.00	-13.22	peak	226	350
6	881.4067	32.13	0.98	33.11	46.00	-12.89	peak	370	161

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value

Test Channel	Channel 0	Frequency Range	30MHz ~ 1GHz
Detector Function	Peak (PK) Quasi-peak (QP)	Tested By	Hua

Antennal Polarity& Test Distance: Vertical at 3m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	30.2111	49.51	-16.43	33.08	40.00	-6.92	peak	312	65
2	33.0950	49.24	-16.55	32.69	40.00	-7.31	peak	219	266
3	36.7662	46.64	-15.91	30.73	40.00	-9.27	peak	264	138
4	80.6442	40.16	-19.46	20.70	40.00	-19.30	peak	386	211
5	149.4857	34.93	-13.37	21.56	43.50	-21.94	peak	276	112
6	212.2695	43.46	-17.41	26.05	43.50	-17.45	peak	138	263

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value

SB-3000 R|Evolution:

Test Channel	Channel 0	Frequency Range	30MHz ~ 1GHz
Detector Function	Peak (PK) Quasi-peak (QP)	Tested By	Hua

Antennal Polarity & Test Distance: Horizontal at 3m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	50.4089	34.42	-15.09	19.33	40.00	-20.67	peak	206	277
2	137.4202	37.46	-14.05	23.41	43.50	-20.09	peak	247	268
3	159.2251	35.18	-13.43	21.75	43.50	-21.75	peak	331	136
4	252.9482	38.46	-14.83	23.63	46.00	-22.37	peak	180	33
5	309.9977	47.20	-12.39	34.81	46.00	-11.19	peak	346	214
6	351.7079	44.27	-11.58	32.69	46.00	-13.31	peak	117	206

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value

Test Channel	Channel 0	Frequency Range	30MHz ~ 1GHz
Detector Function	Peak (PK) Quasi-peak (QP)	Tested By	Hua

Antennal Polarity& Test Distance: Vertical at 3m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	37.0248	43.49	-15.90	27.59	40.00	-12.41	peak	207	230
2	67.6751	41.64	-17.60	24.04	40.00	-15.96	peak	204	174
3	142.3243	42.21	-13.85	28.36	43.50	-15.14	peak	179	334
4	224.5193	47.82	-16.59	31.23	46.00	-14.77	peak	168	191
5	303.5437	52.43	-12.65	39.78	46.00	-6.22	peak	170	136
6	337.2155	47.15	-11.69	35.46	46.00	-10.54	peak	246	15

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value

PB-3000 R|Evolution:

Test Channel	Channel 0	Frequency Range	30MHz ~ 1GHz
Detector Function	Peak (PK) Quasi-peak (QP)	Tested By	Hua

Antennal Polarity & Test Distance: Horizontal at 3m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	87.7248	43.49	-19.42	24.07	40.00	-15.93	peak	172	158
2	138.3873	41.13	-14.00	27.13	43.50	-16.37	peak	138	11
3	239.1473	40.71	-15.67	25.04	46.00	-20.96	peak	321	287
4	267.5455	41.67	-14.37	27.30	46.00	-18.70	peak	111	180
5	297.2241	41.59	-13.12	28.47	46.00	-17.53	peak	133	51
6	369.4047	37.93	-10.61	27.32	46.00	-18.68	peak	304	290

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value

Test Channel	Channel 0	Frequency Range	30MHz ~ 1GHz
Detector Function	Peak (PK) Quasi-peak (QP)	Tested By	Hua

Antennal Polarity& Test Distance: Vertical at 3m



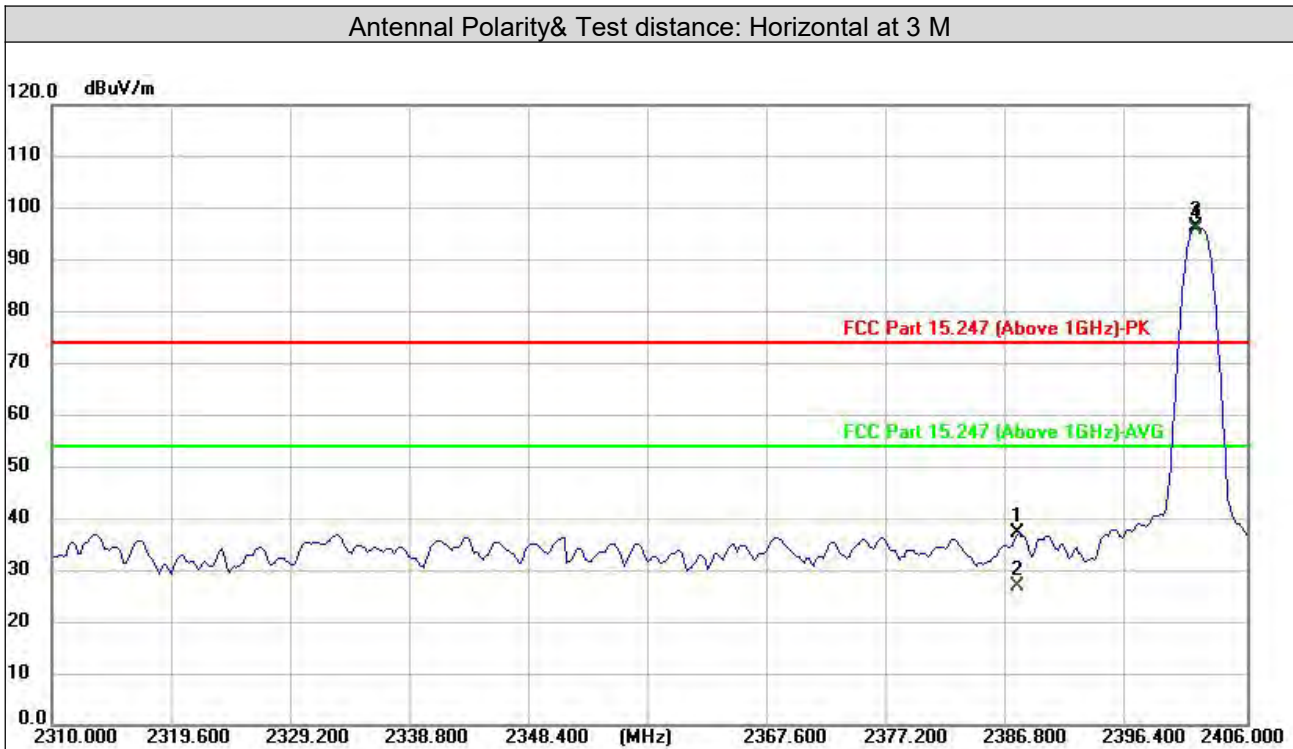
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	32.6340	53.20	-16.63	36.57	40.00	-3.43	peak	247	263
2	40.5591	49.81	-15.43	34.38	40.00	-5.62	peak	350	213
3	43.5057	49.63	-15.12	34.51	40.00	-5.49	peak	199	127
4	51.1209	47.92	-15.08	32.84	40.00	-7.16	peak	177	195
5	139.3613	51.20	-13.96	37.24	43.50	-6.26	peak	349	149
6	316.5890	44.80	-12.05	32.75	46.00	-13.25	peak	295	341

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value

Above 1GHz Data:
3000 Micro R|Evolution:
BLE-1Mbps

Test channel	Channel 0	Frequency Range	1GHz ~ 25GHz
Detector Function	Peak (PK) Average (AVG)	Tested By	Hua



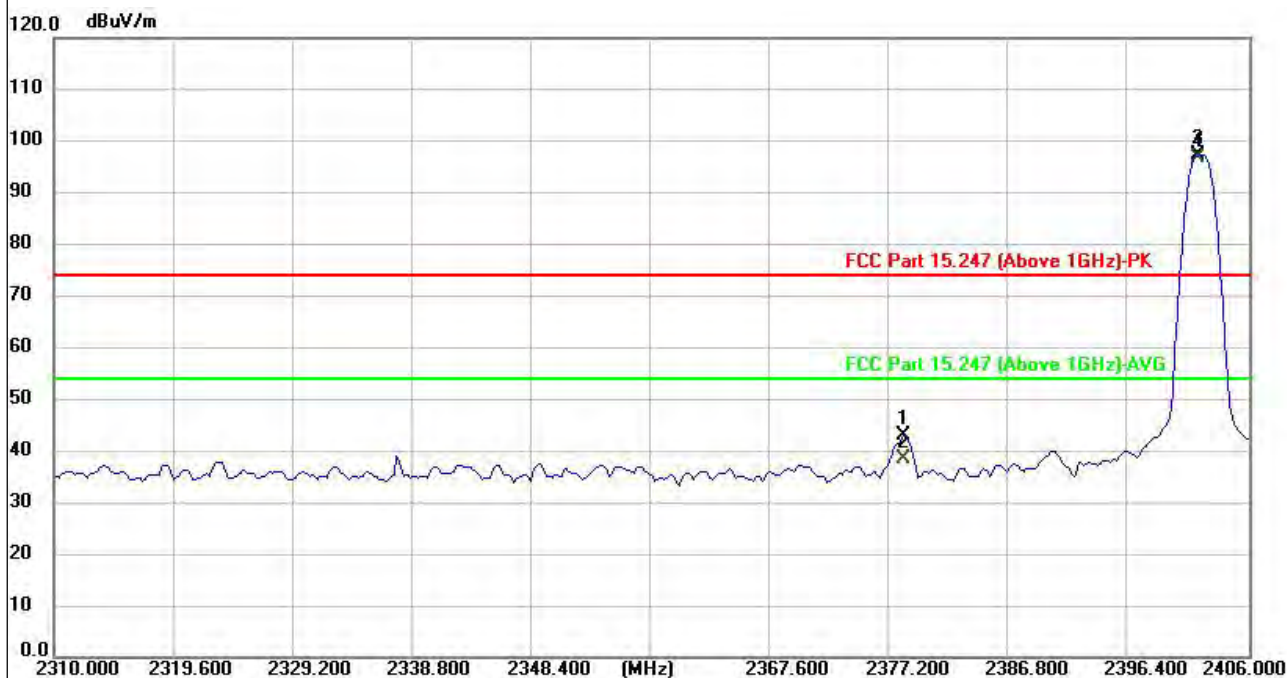
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	2387.723	38.41	-1.31	37.10	74.00	-36.90	peak	400	221
2	2387.723	28.09	-1.31	26.78	54.00	-27.22	AVG	400	221
3 #	2402.152	97.53	-1.22	96.31			peak	400	221
4 #	2402.152	97.10	-1.22	95.88			AVG	400	221
5	4804.000	45.27	2.45	47.72	74.00	-26.28	peak	363	288
6	4804.000	38.00	2.45	40.45	54.00	-13.55	AVG	363	288
7	7206.000	45.05	9.90	54.95	74.00	-19.05	peak	317	277
8	7206.000	36.16	9.90	46.06	54.00	-7.94	AVG	317	277

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamplifier Factor)
2. Margin value = Emission level – Limit value
3. #2402MHz: Fundamental frequency.

Test channel	Channel 0	Frequency Range	1GHz ~ 25GHz
Detector Function	Peak (PK) Average (AVG)	Tested By	Hua

Antennal Polarity& Test Distance: Vertical at 3m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	2378.297	44.39	-1.36	43.03	74.00	-30.97	peak	157	181
2	2378.297	39.64	-1.36	38.28	54.00	-15.72	AVG	157	181
3 #	2402.152	98.46	-1.22	97.24			peak	157	181
4 #	2402.152	98.03	-1.22	96.81			AVG	157	181
5	4804.000	42.66	2.45	45.11	74.00	-28.89	peak	380	174
6	4804.000	34.02	2.45	36.47	54.00	-17.53	AVG	380	174
7	7206.000	45.91	9.90	55.81	74.00	-18.19	peak	346	279
8	7206.000	38.52	9.90	48.42	54.00	-5.58	AVG	346	279

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #2402MHz: Fundamental frequency.

Test channel	Channel 19	Frequency Range	1GHz ~ 25GHz
Detector Function	Peak (PK) Average (AVG)	Tested By	Hua

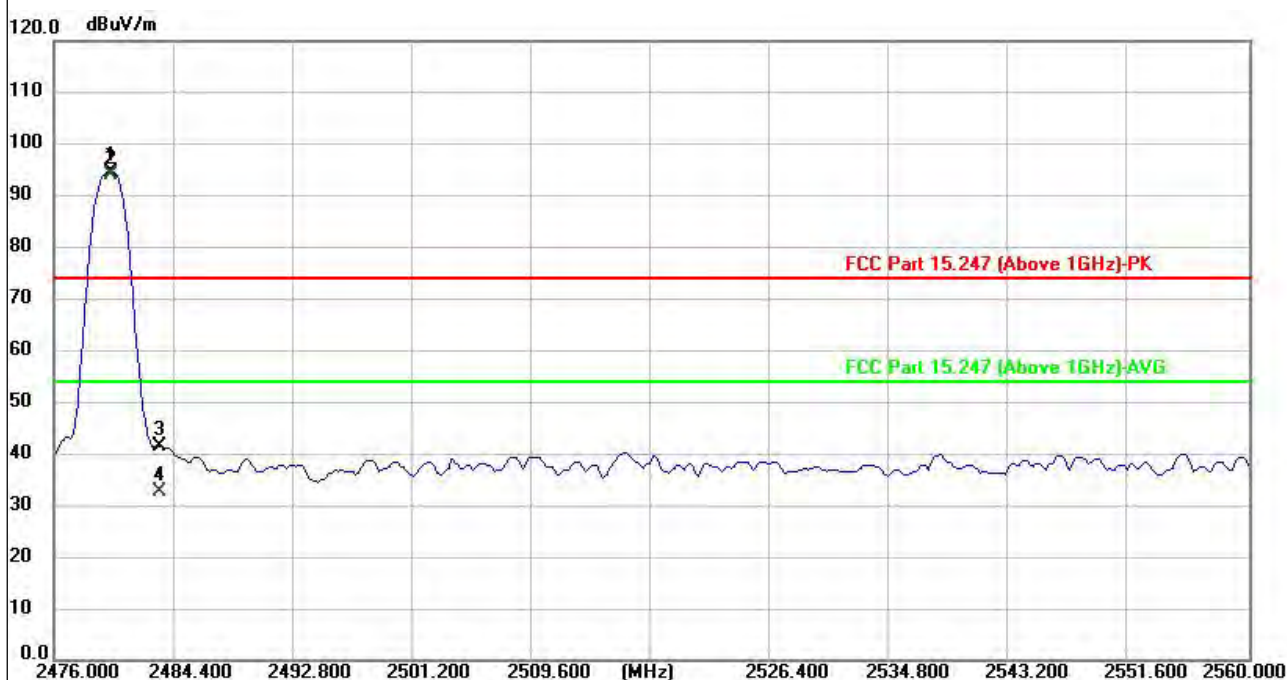
Antennal Polarity& Test Distance: Horizontal at 3m									
No.	Frequency (MHz)	Reading (dBUV)	Correct Factor (dB)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1#	2440.000	97.17	-0.98	96.19			peak	379	218
2#	2440.000	96.73	-0.98	95.75			AVG	379	218
3	4880.000	44.02	2.63	46.65	74.00	-27.35	peak	351	286
4	4880.000	36.82	2.63	39.45	54.00	-14.55	AVG	351	286
5	7320.000	43.59	10.20	53.79	74.00	-20.21	peak	336	286
6	7320.000	34.43	10.20	44.63	54.00	-9.37	AVG	336	286
Antennal Polarity& Test Distance: Vertical at 3 M									
No.	Frequency (MHz)	Reading (dBUV)	Factor (dB)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1#	2440.000	96.59	-0.98	95.61			peak	303	23
2#	2440.000	96.09	-0.98	95.11			AVG	303	23
3	4880.000	42.44	2.63	45.07	74.00	-28.93	peak	391	311
4	4880.000	31.77	2.63	34.40	54.00	-19.60	AVG	391	311
5	7320.000	45.29	10.20	55.49	74.00	-18.51	peak	303	270
6	7320.000	36.72	10.20	46.92	54.00	-7.08	AVG	303	270

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #2440MHz: Fundamental frequency.

Test channel	Channel 39	Frequency Range	1GHz ~ 25GHz
Detector Function	Peak (PK) Average (AVG)	Tested By	Hua

Antennal Polarity& Test Distance: Horizontal at 3 M



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1#	2480.208	95.28	-0.72	94.56			peak	136	313
2#	2480.208	94.84	-0.72	94.12			AVG	136	313
3	2483.500	42.04	-0.69	41.35	74.00	-32.65	peak	136	313
4	2483.500	33.25	-0.69	32.56	54.00	-21.44	AVG	136	313
5	4960.000	44.52	2.82	47.34	74.00	-26.66	peak	347	291
6	4960.000	37.40	2.82	40.22	54.00	-13.78	AVG	347	291
7	7440.000	45.35	10.51	55.86	74.00	-18.14	peak	308	284
8	7440.000	37.47	10.51	47.98	54.00	-6.02	AVG	308	284

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #2480MHz: Fundamental frequency.

Test channel	Channel 39	Frequency Range	1GHz ~ 25GHz
Detector Function	Peak (PK) Average (AVG)	Tested By	Hua

Antennal Polarity& Test Distance: Vertical at 3 M



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1#	2480.208	99.80	-0.72	99.08			peak	331	299
2#	2480.208	99.38	-0.72	98.66			AVG	331	299
3	2483.500	43.80	-0.69	43.11	74.00	-30.89	peak	331	299
4	2483.500	37.00	-0.69	36.31	54.00	-17.69	AVG	331	299
5	4960.000	41.67	2.82	44.49	74.00	-29.51	peak	105	226
6	4960.000	30.70	2.82	33.52	54.00	-20.48	AVG	105	226
7	7440.000	45.79	10.51	56.30	74.00	-17.70	peak	296	276
8	7440.000	38.07	10.51	48.58	54.00	-5.42	AVG	296	276

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #2480MHz: Fundamental frequency.

BLE-2Mbps

Test channel	Channel 0	Frequency Range	1GHz ~ 25GHz
Detector Function	Peak (PK) Average (AVG)	Tested By	Hua

Antennal Polarity& Test distance: Horizontal at 3 M



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	2378.104	41.38	-1.36	40.02	74.00	-33.98	peak	400	220
2	2378.104	30.97	-1.36	29.61	54.00	-24.39	AVG	400	220
3 #	2402.152	97.77	-1.22	96.55			peak	400	220
4 #	2402.152	96.23	-1.22	95.01			AVG	400	220
5	4804.000	44.39	2.45	46.84	74.00	-27.16	peak	390	286
6	4804.000	33.93	2.45	36.38	54.00	-17.62	AVG	390	286
7	7206.000	43.79	9.90	53.69	74.00	-20.31	peak	317	277
8	7206.000	34.30	9.90	44.20	54.00	-9.80	AVG	317	277

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #2402MHz: Fundamental frequency.

Test channel	Channel 0	Frequency Range	1GHz ~ 25GHz
Detector Function	Peak (PK) Average (AVG)	Tested By	Hua

Antennal Polarity& Test Distance: Vertical at 3m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	2388.685	38.47	-1.30	37.17	74.00	-36.83	peak	286	326
2	2388.685	29.65	-1.30	28.35	54.00	-25.65	AVG	286	326
3 #	2402.537	97.31	-1.22	96.09			peak	286	326
4 #	2402.537	95.85	-1.22	94.63			AVG	286	326
5	4804.000	41.96	2.45	44.41	74.00	-29.59	peak	267	128
6	4804.000	30.96	2.45	33.41	54.00	-20.59	AVG	267	128
7	7206.000	45.35	9.90	55.25	74.00	-18.75	peak	397	266
8	7206.000	34.71	9.90	44.61	54.00	-9.39	AVG	397	266

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #2402MHz: Fundamental frequency.

Test Report No.: 25072404-RF-US-01

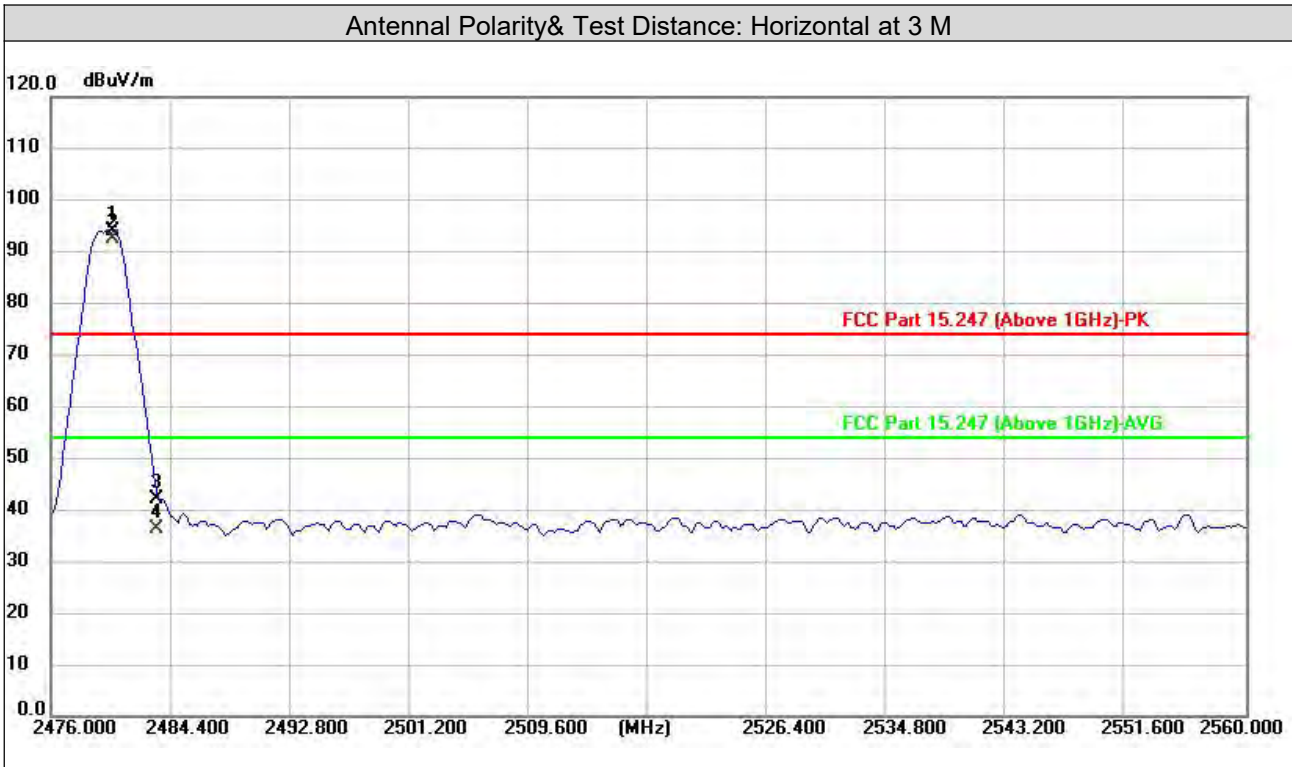
Test channel	Channel 19	Frequency Range	1GHz ~ 25GHz
Detector Function	Peak (PK) Average (AVG)	Tested By	Hua

Antennal Polarity& Test Distance: Horizontal at 3m									
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1#	2440.000	97.84	-0.98	96.86			peak	374	216
2#	2440.000	96.32	-0.98	95.34			AVG	374	216
3	4880.000	44.21	2.63	46.84	74.00	-27.16	peak	387	285
4	4880.000	33.80	2.63	36.43	54.00	-17.57	AVG	387	285
5	7320.000	41.57	10.20	51.77	74.00	-22.23	peak	318	287
6	7320.000	33.35	10.20	43.55	54.00	-10.45	AVG	318	287
Antennal Polarity& Test Distance: Vertical at 3 M									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1#	2440.000	98.10	-0.98	97.12			peak	195	180
2#	2440.000	96.56	-0.98	95.58			AVG	195	180
3	4880.000	41.42	2.63	44.05	74.00	-29.95	peak	313	115
4	4880.000	30.30	2.63	32.93	54.00	-21.07	AVG	313	115
5	7320.000	43.97	10.20	54.17	74.00	-19.83	peak	305	271
6	7320.000	34.67	10.20	44.87	54.00	-9.13	AVG	305	271

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #2440MHz: Fundamental frequency.

Test channel	Channel 39	Frequency Range	1GHz ~ 25GHz
Detector Function	Peak (PK) Average (AVG)	Tested By	Hua



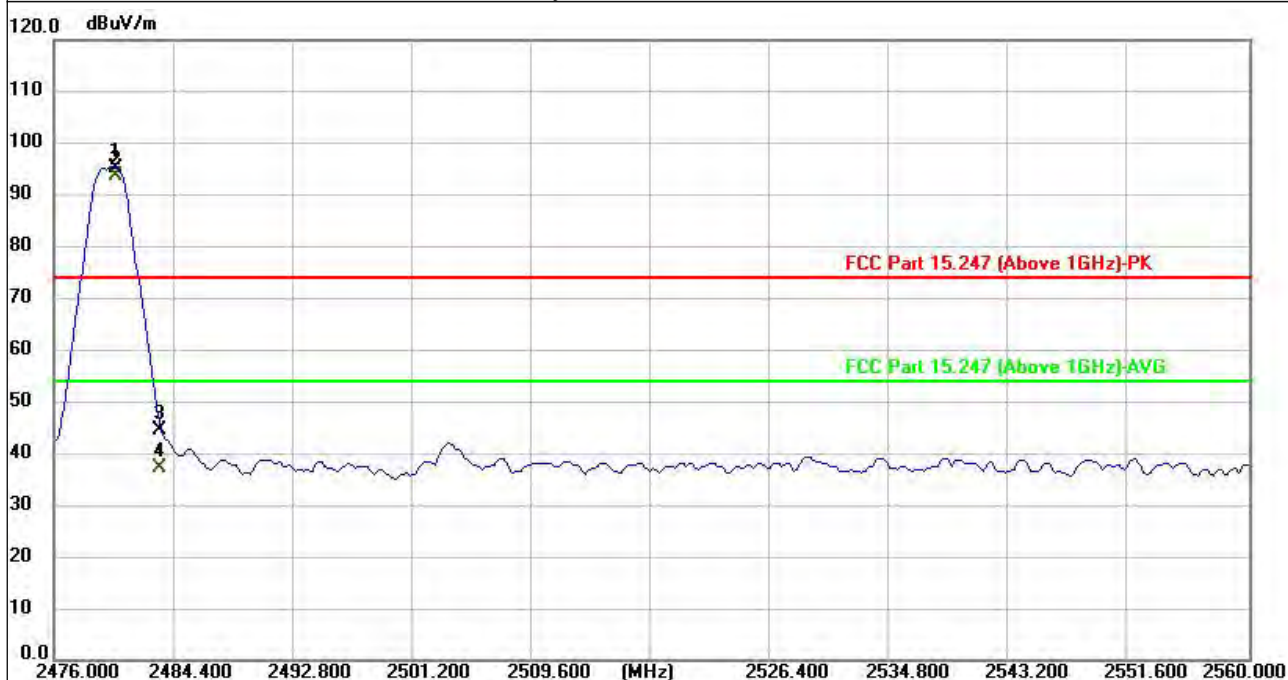
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1#	2480.377	94.77	-0.71	94.06			peak	117	316
2#	2480.377	93.20	-0.71	92.49			AVG	117	316
3	2483.500	42.79	-0.69	42.10	74.00	-31.90	peak	117	316
4	2483.500	36.89	-0.69	36.20	54.00	-17.80	AVG	117	316
5	4960.000	43.12	2.82	45.94	74.00	-28.06	peak	357	291
6	4960.000	33.73	2.82	36.55	54.00	-17.45	AVG	357	291
7	7440.000	44.53	10.51	55.04	74.00	-18.96	peak	315	283
8	7440.000	35.15	10.51	45.66	54.00	-8.34	AVG	315	283

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #2480MHz: Fundamental frequency.

Test channel	Channel 39	Frequency Range	1GHz ~ 25GHz
Detector Function	Peak (PK) Average (AVG)	Tested By	Hua

Antennal Polarity& Test Distance: Vertical at 3 M



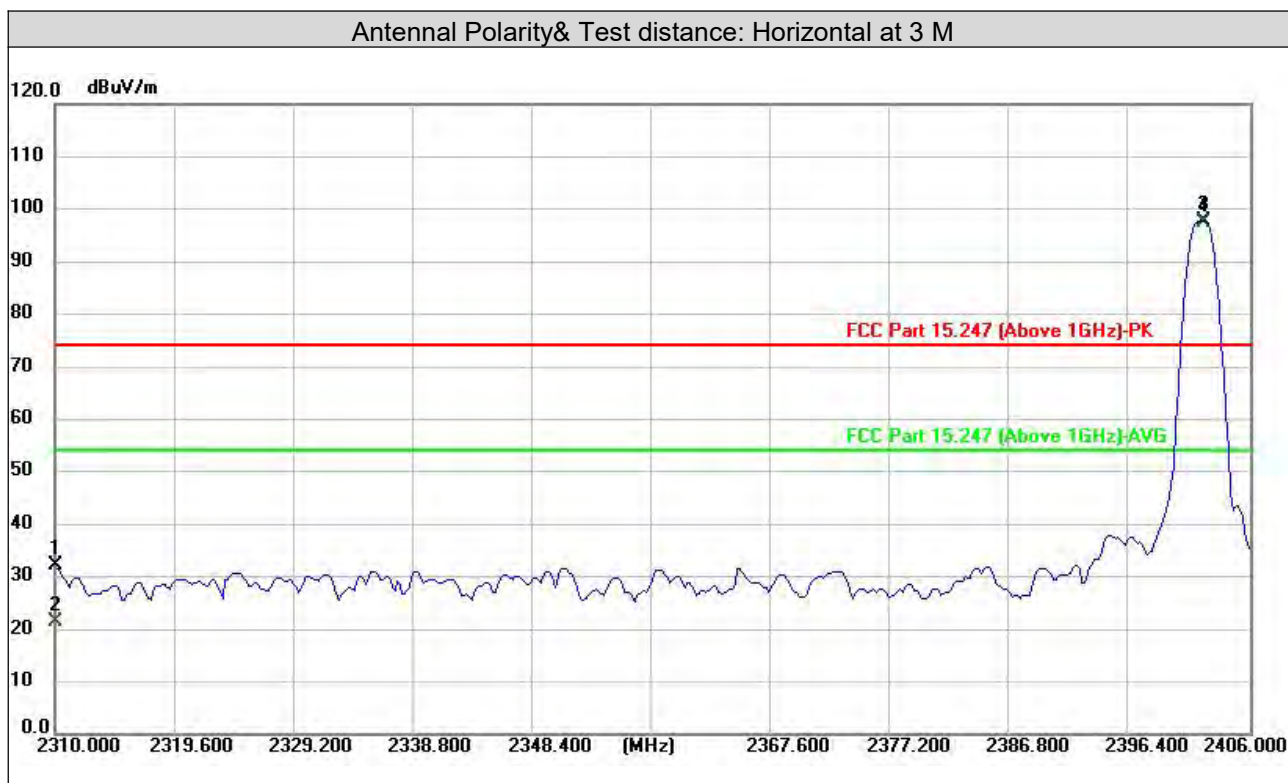
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1#	2480.377	96.00	-0.71	95.29			peak	151	178
2#	2480.377	94.46	-0.71	93.75			AVG	151	178
3	2483.500	45.16	-0.69	44.47	74.00	-29.53	peak	151	178
4	2483.500	37.78	-0.69	37.09	54.00	-16.91	AVG	151	178
5	4960.000	41.03	2.82	43.85	74.00	-30.15	peak	352	102
6	4960.000	30.86	2.82	33.68	54.00	-20.32	AVG	352	102
7	7440.000	44.98	10.51	55.49	74.00	-18.51	peak	380	303
8	7440.000	35.34	10.51	45.85	54.00	-8.15	AVG	380	303

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #2480MHz: Fundamental frequency.

SB-3000 R|Evolution:
BLE-1Mbps

Test channel	Channel 0	Frequency Range	1GHz ~ 25GHz
Detector Function	Peak (PK) Average (AVG)	Tested By	Hua



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	2310.000	33.85	-1.81	32.04	74.00	-41.96	peak	100	6
2	2310.000	23.09	-1.81	21.28	54.00	-32.72	AVG	100	6
3 #	2402.345	99.03	-1.22	97.81			peak	100	6
4 #	2402.345	98.76	-1.22	97.54			AVG	100	6
5	4804.000	41.62	2.45	44.07	74.00	-29.93	peak	100	229
6	4804.000	30.77	2.45	33.22	54.00	-20.78	AVG	100	229
7	7206.000	43.19	9.90	53.09	74.00	-20.91	peak	150	174
8	7206.000	33.49	9.90	43.39	54.00	-10.61	AVG	150	174

Remarks:

- Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
- Margin value = Emission level – Limit value
- #2402MHz: Fundamental frequency.

Test channel	Channel 0	Frequency Range	1GHz ~ 25GHz
Detector Function	Peak (PK) Average (AVG)	Tested By	Hua

Antennal Polarity& Test Distance: Vertical at 3m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	2333.086	40.04	-1.65	38.39	74.00	-35.61	peak	167	52
2	2333.086	28.12	-1.65	26.47	54.00	-27.53	AVG	167	52
3 #	2401.768	100.07	-1.22	98.85			peak	167	52
4 #	2401.768	99.57	-1.22	98.35			AVG	167	52
5	4804.000	41.93	2.45	44.38	74.00	-29.62	peak	182	306
6	4804.000	32.19	2.45	34.64	54.00	-19.36	AVG	182	306
7	7206.000	42.31	9.90	52.21	74.00	-21.79	peak	122	45
8	7206.000	30.74	9.90	40.64	54.00	-13.36	AVG	122	45

Remarks:

- Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
- Margin value = Emission level – Limit value
- #2402MHz: Fundamental frequency.

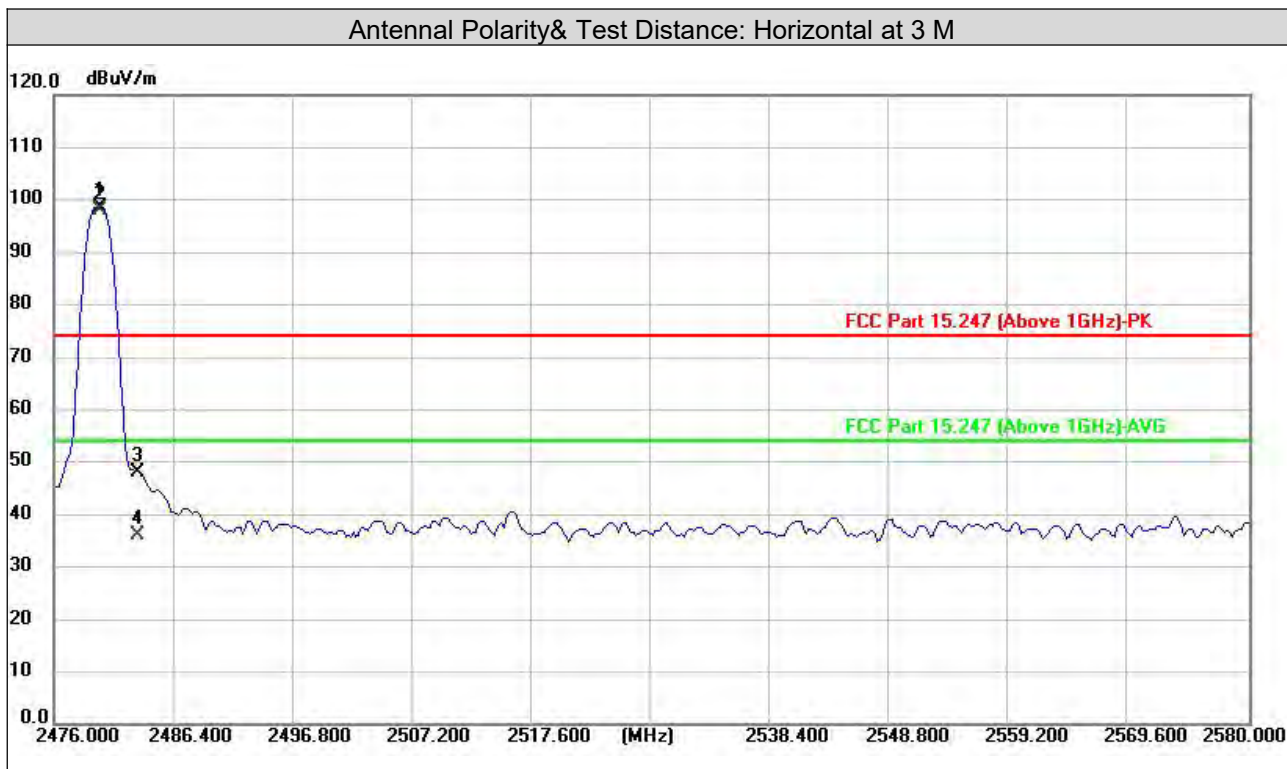
Test channel	Channel 19	Frequency Range	1GHz ~ 25GHz
Detector Function	Peak (PK) Average (AVG)	Tested By	Hua

Antennal Polarity& Test Distance: Horizontal at 3m									
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1#	2440.000	102.32	-0.98	101.34			peak	100	4
2#	2440.000	101.79	-0.98	100.81			AVG	100	4
3	4880.000	41.64	2.63	44.27	74.00	-29.73	peak	122	334
4	4880.000	30.40	2.63	33.03	54.00	-20.97	AVG	122	334
5	7320.000	42.09	10.20	52.29	74.00	-21.71	peak	100	175
6	7320.000	32.04	10.20	42.24	54.00	-11.76	AVG	100	175
Antennal Polarity& Test Distance: Vertical at 3 M									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1#	2440.000	101.08	-0.98	100.10			peak	207	51
2#	2440.000	100.76	-0.98	99.78			AVG	207	51
3	4880.000	41.14	2.63	43.77	74.00	-30.23	peak	102	250
4	4880.000	31.15	2.63	33.78	54.00	-20.22	AVG	102	250
5	7320.000	40.39	10.20	50.59	74.00	-23.41	peak	117	206
6	7320.000	30.20	10.20	40.40	54.00	-13.60	AVG	117	206

Remarks:

- Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
- Margin value = Emission level – Limit value
- #2440MHz: Fundamental frequency.

Test channel	Channel 39	Frequency Range	1GHz ~ 25GHz
Detector Function	Peak (PK) Average (AVG)	Tested By	Hua

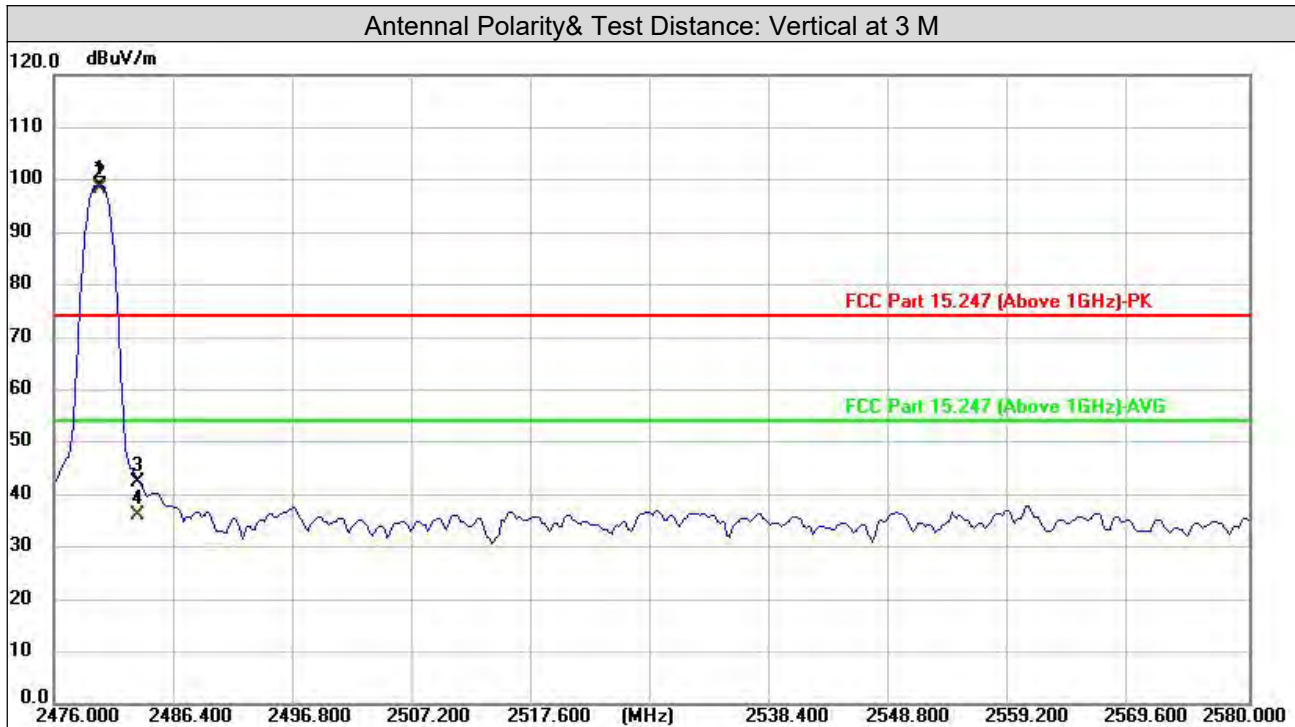


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1#	2480.168	99.33	-0.72	98.61			peak	100	5
2#	2480.168	98.76	-0.72	98.04			AVG	100	5
3	2483.500	48.70	-0.69	48.01	74.00	-25.99	peak	100	5
4	2483.500	36.82	-0.69	36.13	54.00	-17.87	AVG	100	5
5	4960.000	40.89	2.82	43.71	74.00	-30.29	peak	105	215
6	4960.000	30.44	2.82	33.26	54.00	-20.74	AVG	105	215
7	7440.000	41.56	10.51	52.07	74.00	-21.93	peak	100	184
8	7440.000	31.70	10.51	42.21	54.00	-11.79	AVG	100	184

Remarks:

4. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
5. Margin value = Emission level – Limit value
6. #2480MHz: Fundamental frequency.

Test channel	Channel 39	Frequency Range	1GHz ~ 25GHz
Detector Function	Peak (PK) Average (AVG)	Tested By	Hua



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1#	2480.168	99.54	-0.72	98.82			peak	174	54
2#	2480.168	99.14	-0.72	98.42			AVG	174	54
3	2483.500	42.96	-0.69	42.27	74.00	-31.73	peak	174	54
4	2483.500	36.86	-0.69	36.17	54.00	-17.83	AVG	174	54
5	4960.000	41.61	2.82	44.43	74.00	-29.57	peak	100	261
6	4960.000	31.46	2.82	34.28	54.00	-19.72	AVG	100	261
7	7440.000	39.74	10.51	50.25	74.00	-23.75	peak	129	27
8	7440.000	30.18	10.51	40.69	54.00	-13.31	AVG	129	27

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #2480MHz: Fundamental frequency.

BLE-2Mbps

Test channel	Channel 0	Frequency Range	1GHz ~ 25GHz
Detector Function	Peak (PK) Average (AVG)	Tested By	Hua

Antennal Polarity& Test distance: Horizontal at 3 M



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	2337.511	40.18	-1.63	38.55	74.00	-35.45	peak	100	11
2	2337.511	29.30	-1.63	27.67	54.00	-26.33	AVG	100	11
3 #	2402.537	99.42	-1.22	98.20			peak	100	11
4 #	2402.537	97.88	-1.22	96.66			AVG	100	11
5	4804.000	41.67	2.45	44.12	74.00	-29.88	peak	127	225
6	4804.000	30.18	2.45	32.63	54.00	-21.37	AVG	127	225
7	7206.000	41.12	9.90	51.02	74.00	-22.98	peak	100	171
8	7206.000	32.72	9.90	42.62	54.00	-11.38	AVG	100	171

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #2402MHz: Fundamental frequency.

Test channel	Channel 0	Frequency Range	1GHz ~ 25GHz
Detector Function	Peak (PK) Average (AVG)	Tested By	Hua

Antennal Polarity& Test Distance: Vertical at 3m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	2338.088	39.83	-1.63	38.20	74.00	-35.80	peak	239	49
2	2338.088	29.24	-1.63	27.61	54.00	-26.39	AVG	239	49
3 #	2402.152	99.09	-1.22	97.87			peak	239	49
4 #	2402.152	97.63	-1.22	96.41			AVG	239	49
5	4804.000	42.09	2.45	44.54	74.00	-29.46	peak	100	310
6	4804.000	30.52	2.45	32.97	54.00	-21.03	AVG	100	310
7	7206.000	41.93	9.90	51.83	74.00	-22.17	peak	128	226
8	7206.000	30.45	9.90	40.35	54.00	-13.65	AVG	128	226

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #2402MHz: Fundamental frequency.

Test Report No.: 25072404-RF-US-01

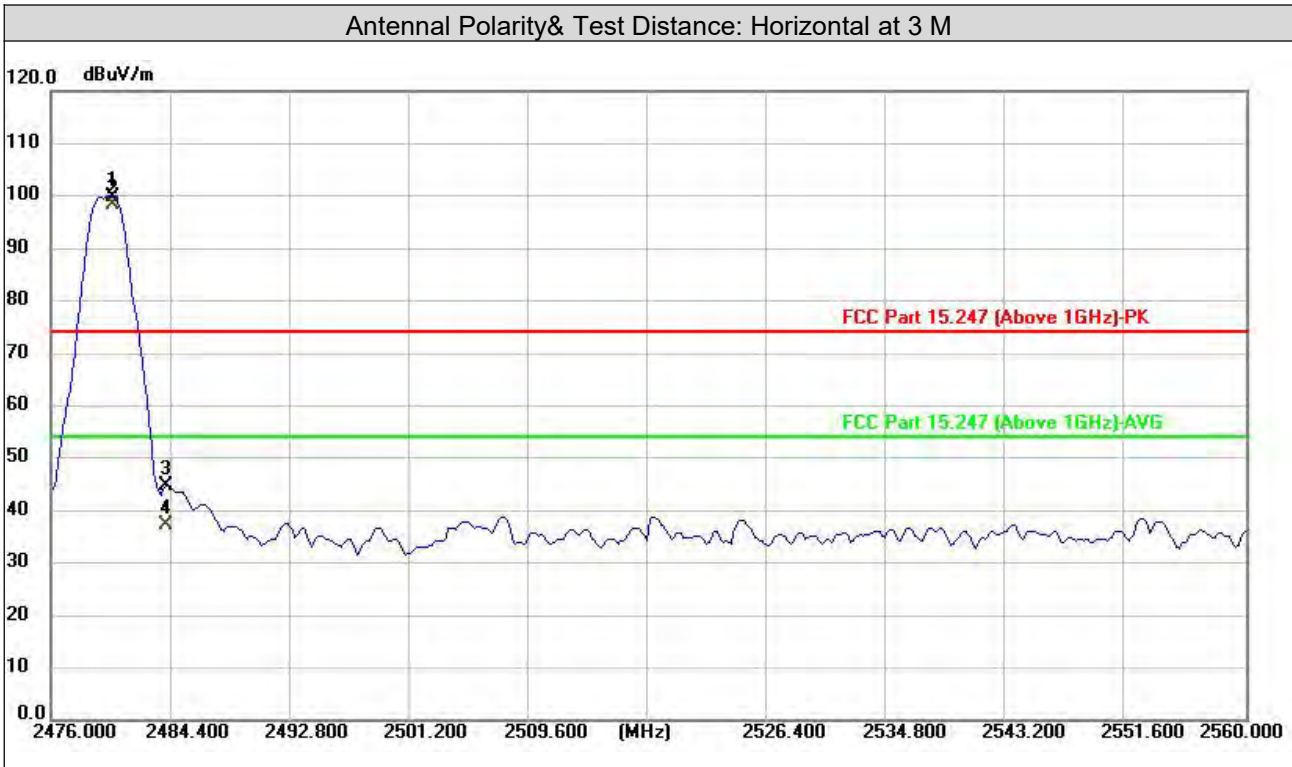
Test channel	Channel 19	Frequency Range	1GHz ~ 25GHz
Detector Function	Peak (PK) Average (AVG)	Tested By	Hua

Antennal Polarity& Test Distance: Horizontal at 3m									
No.	Frequency (MHz)	Reading (dBUV)	Correct Factor (dB)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1#	2440.000	102.10	-0.98	101.12			peak	100	4
2#	2440.000	100.64	-0.98	99.66			AVG	100	4
3	4880.000	41.46	2.63	44.09	74.00	-29.91	peak	144	58
4	4880.000	30.02	2.63	32.65	54.00	-21.35	AVG	144	58
5	7320.000	41.19	10.20	51.39	74.00	-22.61	peak	157	182
6	7320.000	31.29	10.20	41.49	54.00	-12.51	AVG	157	182
Antennal Polarity& Test Distance: Vertical at 3 M									
No.	Frequency (MHz)	Reading (dBUV)	Factor (dB)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1#	2440.000	100.21	-0.98	99.23			peak	227	54
2#	2440.000	98.77	-0.98	97.79			AVG	227	54
3	4880.000	40.55	2.63	43.18	74.00	-30.82	peak	100	103
4	4880.000	30.13	2.63	32.76	54.00	-21.24	AVG	100	103
5	7320.000	42.61	10.20	52.81	74.00	-21.19	peak	136	27
6	7320.000	30.10	10.20	40.30	54.00	-13.70	AVG	136	27

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #2440MHz: Fundamental frequency.

Test channel	Channel 39	Frequency Range	1GHz ~ 25GHz
Detector Function	Peak (PK) Average (AVG)	Tested By	Hua

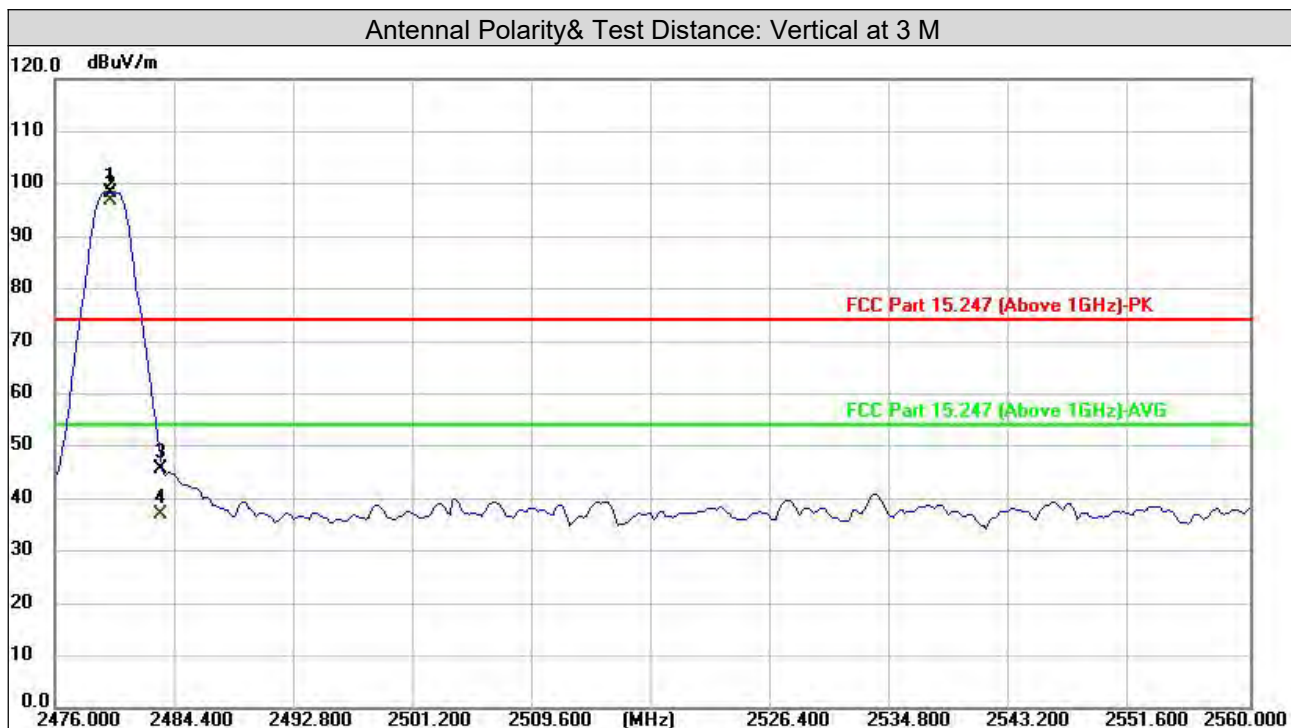


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1#	2480.377	100.58	-0.71	99.87			peak	189	19
2#	2480.377	99.14	-0.71	98.43			AVG	189	19
3	2484.248	45.42	-0.69	44.73	74.00	-29.27	peak	189	19
4	2484.248	37.82	-0.69	37.13	54.00	-16.87	AVG	189	19
5	4960.000	40.94	2.82	43.76	74.00	-30.24	peak	137	41
6	4960.000	30.33	2.82	33.15	54.00	-20.85	AVG	137	41
7	7440.000	40.42	10.51	50.93	74.00	-23.07	peak	206	182
8	7440.000	30.53	10.51	41.04	54.00	-12.96	AVG	206	182

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #2480MHz: Fundamental frequency.

Test channel	Channel 39	Frequency Range	1GHz ~ 25GHz
Detector Function	Peak (PK) Average (AVG)	Tested By	Hua



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1#	2479.872	98.99	-0.72	98.27			peak	182	46
2#	2479.872	97.50	-0.72	96.78			AVG	182	46
3	2483.500	46.34	-0.69	45.65	74.00	-28.35	peak	182	46
4	2483.500	37.68	-0.69	36.99	54.00	-17.01	AVG	182	46
5	4960.000	40.83	2.82	43.65	74.00	-30.35	peak	142	335
6	4960.000	30.15	2.82	32.97	54.00	-21.03	AVG	142	335
7	7440.000	40.60	10.51	51.11	74.00	-22.89	peak	160	10
8	7440.000	29.86	10.51	40.37	54.00	-13.63	AVG	160	10

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #2480MHz: Fundamental frequency.

3.2 Conducted Emission Measurement**3.2.1 Limits of Conducted Emission Measurement**

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 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.

3.2.2 Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR 7	101962	2026-07-23
Artificial Mains Network	Rohde&Schwarz	ENV216	3560.6550.15	2026-07-23
Test software	FARAD	EZ_EMV V1.1.4.2	N/A	N/A
Broadcast test system	R&S	SFU	100410	2026-07-23

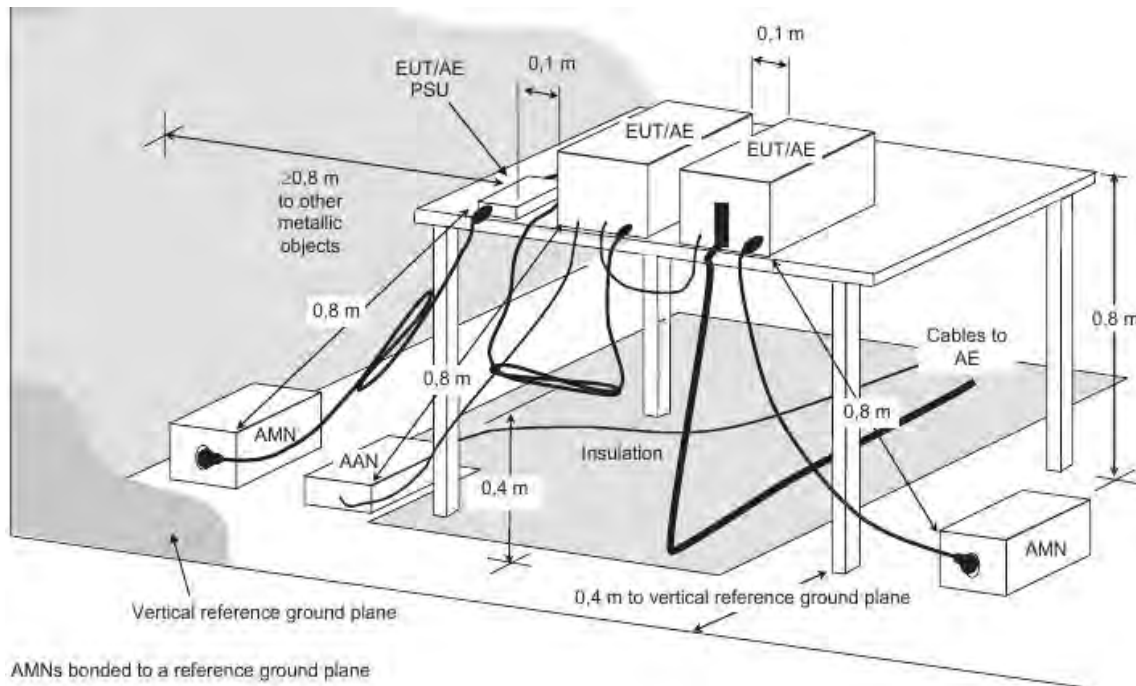
Note: 1. The calibration interval of the above test instruments is 12 months.
2. The test was performed in Shielded Room.

3.2.3 Test Procedures

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit – 20dB) was not recorded.

Note: All modes of operation were investigated and the worst-case emissions are reported.

3.2.4 Test Setup



For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.2.5 EUT Operating Condition

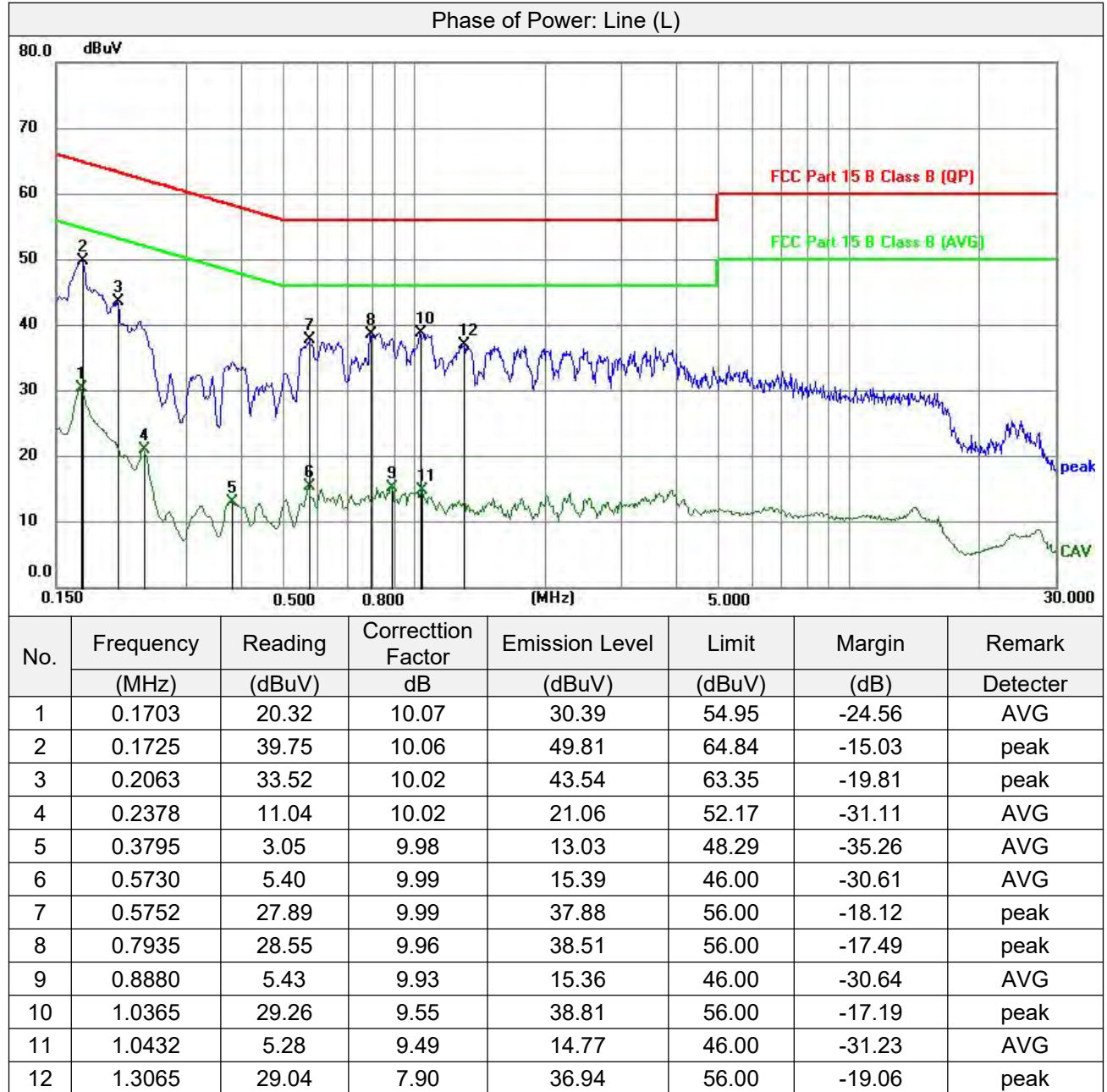
Set the EUT under transmission condition continuously at specific channel frequency.

3.2.6 Deviation from Test Standard

No deviation.

3.2.7 Test Results

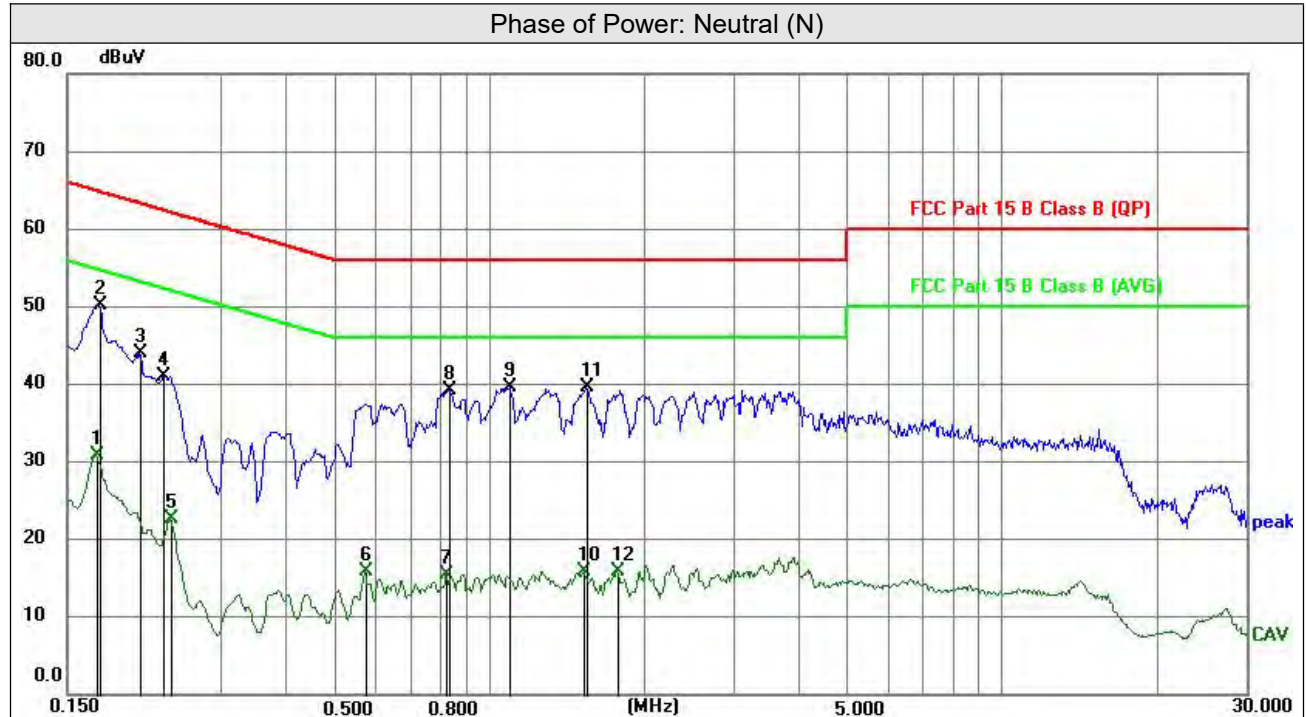
Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution andwidth	Quasi-Peak (QP) / Average (AV), 9kHz
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Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution andwidth	Quasi-Peak (QP) / Average (AV), 9kHz
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No.	Frequency (MHz)	Reading (dBuV)	Correct Factor dB	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Remark Detector
1	0.1702	20.79	10.07	30.86	54.95	-24.09	AVG
2	0.1725	40.19	10.07	50.26	64.84	-14.58	peak
3	0.2062	33.96	10.03	43.99	63.36	-19.37	peak
4	0.2310	31.02	10.03	41.05	62.41	-21.36	peak
5	0.2377	12.54	10.03	22.57	52.18	-29.61	AVG
6	0.5729	5.88	9.98	15.86	46.00	-30.14	AVG
7	0.8249	5.46	9.96	15.42	46.00	-30.58	AVG
8	0.8384	29.25	9.96	39.21	56.00	-16.79	peak
9	1.0972	29.75	9.93	39.68	56.00	-16.32	peak
10	1.5315	6.03	9.90	15.93	46.00	-30.07	AVG
11	1.5472	29.65	9.90	39.55	56.00	-16.45	peak
12	1.7767	6.08	9.87	15.95	46.00	-30.05	AVG

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

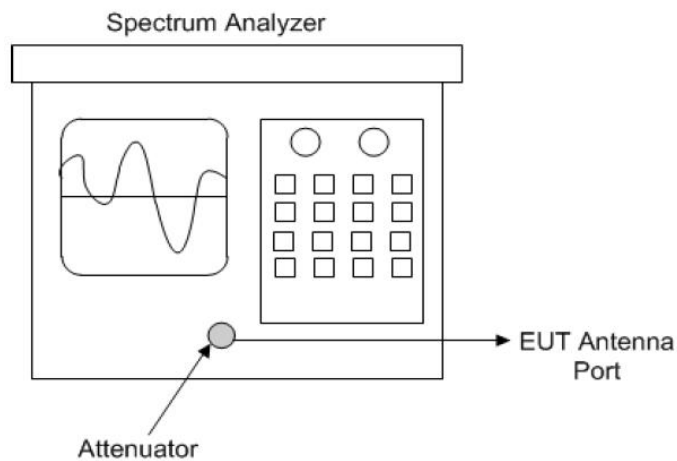
3.3 6dB Bandwidth Measurement

3.3.1 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

3.3.2 Test Setup

Subclause 11.8 of ANSI C63.10 is applicable.



Spectrum analyzer test configuration

3.3.3 Test Instruments

Refer to section 5 to get information of above instrument.

3.3.4 Test Procedure

Option 1:

- a. Set resolution bandwidth (RBW) = 100kHz
- b. Set the video bandwidth (VBW) $\geq 3 \times$ RBW
- c. Detector = Peak.
- d. Trace mode = max hold.
- e. Sweep = auto couple.
- f. Allow the trace to stabilize.
- g. Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Option 2:

The automatic bandwidth measurement capability of an instrument may be employed using the dB bandwidth mode with X set to 6 dB. if the functionality described in 11.8.1 (i.e. RBW= 100 kHz. VBW $\geq 3 \times$ RBW. and peak detector with maximum hold) is implemented by the instrumentation function. When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be ≥ 6 dB.

3.3.5 Deviation from Test Standard

No deviation.

3.3.6 EUT Operating Conditions

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

3.3.7 Test Result

BLE-1Mbps			
Operation Channel	Frequency	Occupied Bandwidth (MHz)	
		Result	Limit
0	2402MHz	0.660	>0.5
19	2440MHz	0.652	>0.5
39	2480MHz	0.664	>0.5

BLE-2Mbps			
Operation Channel	Frequency	Occupied Bandwidth (MHz)	
		Result	Limit
0	2402MHz	1.224	>0.5
19	2440MHz	1.096	>0.5
39	2480MHz	1.128	>0.5

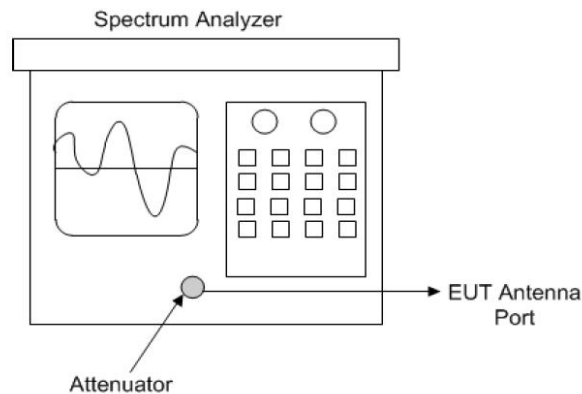






3.4 Occupied Bandwidth Measurement

3.4.1 Test Setup



3.4.2 Test Instruments

Refer to section 5 to get information of above instrument.

3.4.3 Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to peak. The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 %of the total mean power of a given emission.

3.4.4 Deviation from Test Standard

No deviation.

3.4.5 EUT Operating Conditions

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

3.4.6 Test Results

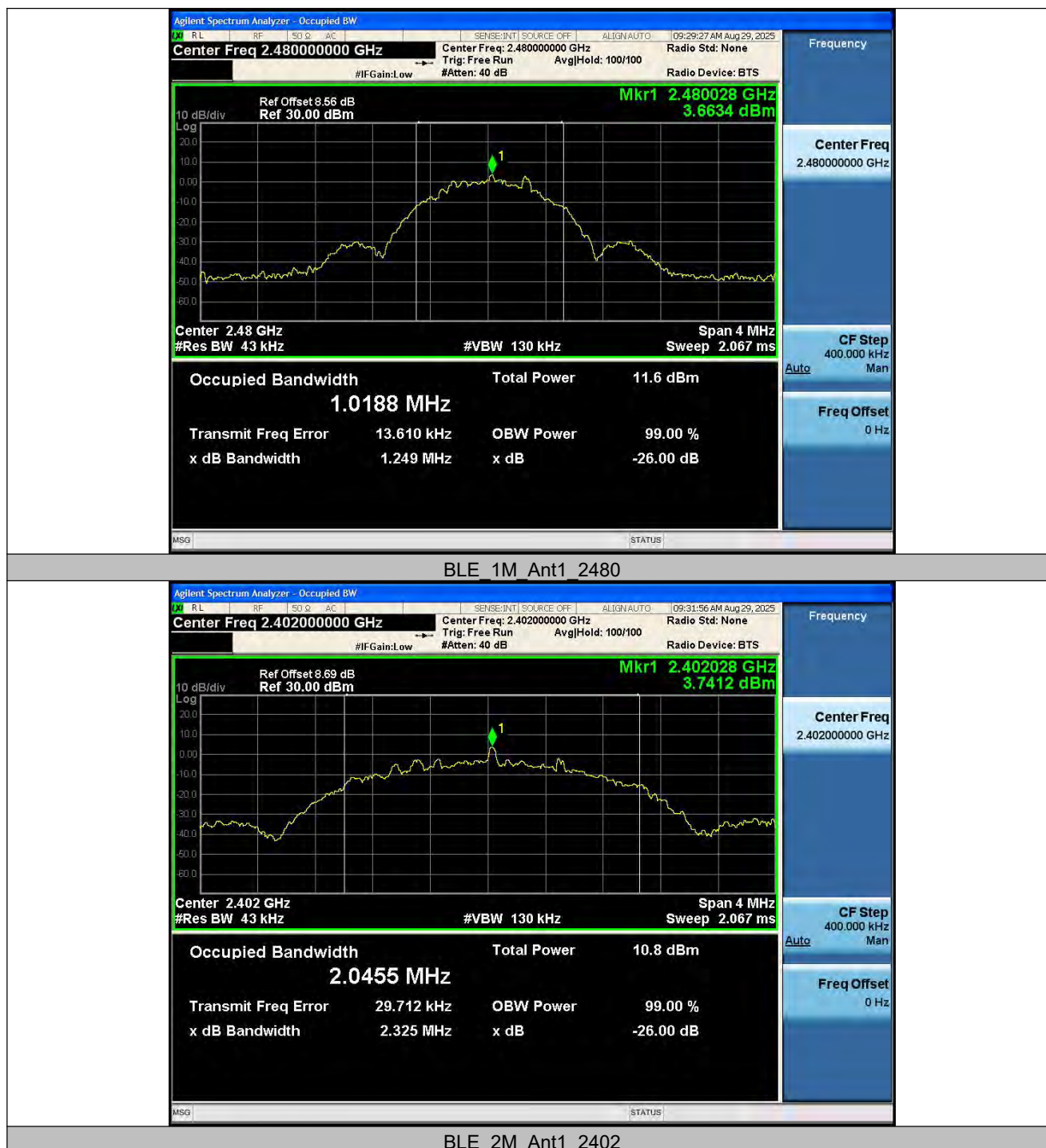
BLE-1Mbps			
Operation Channel	Frequency	Occupied Bandwidth (MHz)	
		Result	Limit
0	2402MHz	1.0267	2400~2483.5
19	2440MHz	1.0151	2400~2483.5
39	2480MHz	1.0188	2400~2483.5

BLE-2Mbps			
Operation Channel	Frequency	Occupied Bandwidth (MHz)	
		Result	Limit
0	2402MHz	2.0455	2400~2483.5
19	2440MHz	2.0422	2400~2483.5
39	2480MHz	2.0891	2400~2483.5

Test Report No.: 25072404-RF-US-01



Test Report No.: 25072404-RF-US-01



Lab: [Hwa-Hsing \(Dongguan\) Testing Co., Ltd.](#)
 Address: [No.101, Building N1, Yuyuan 2 Road, Yuyuan Industrial Park, Huangjiang Town, Dongguan City, People's Republic of China](#)

Tel: [0769-85598986](tel:0769-85598986)
 Web.: www.lyns-tci.com
 E-Mail: service-hs@lyns-tci.com

Release
 Ver. 1.5

Test Report No.: 25072404-RF-US-01



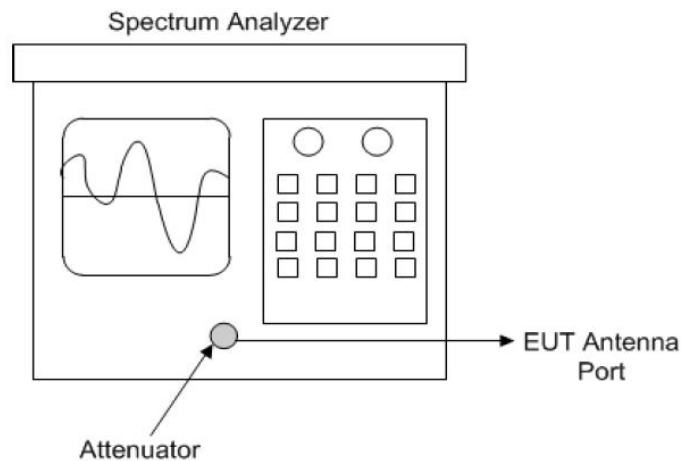
3.5 Conducted Output Power Measurement

3.5.1 Limits of Conducted Output Power Measurement

For systems using digital modulation in the 2400–2483.5 MHz bands: 1 Watt (30dBm).

3.5.2 Test Setup

- Measurement using a spectrum analyzer (SA) Subclause 11.9.2.2 of ANSI C63.10 is applicable.



Spectrum analyzer output power test configuration

3.5.3 Test Instruments

Refer to section 5 to get information of above instrument.

3.5.4 Test Procedures

Measurement using a spectrum analyzer (SA), Selection of test method:

The proper test method is selected based on the following criteria:

- Method AVGSA-1 or method AVGSA-1A (alternative)** shall be applied if either of the following conditions can be satisfied:
 - 1) The EUT transmits continuously (or with a $D > 98\%$).
 - 2) Sweep triggering can be implemented in such a way that the device transmits at the maximum power control level throughout the duration of each of the instrument sweeps to be averaged. This condition can generally be achieved by triggering the instrument's sweep if the duration of the sweep (with the instrument configured as in method AVGSA-1) is equal to or shorter than the duration T of each transmission from the EUT, and if those transmissions exhibit full power throughout their durations.
- Method AVGSA-2 or method AVGSA-2A (alternative)** shall be applied if the conditions of the preceding item a) cannot be achieved and the transmissions exhibit a constant duty cycle during the measurement duration. Duty cycle will be considered to be constant if variations are less than $+2\%$.
- Method AVGSA-3 or method AVGSA-3A (alternative)** shall be applied if the conditions of the preceding item a) and item b) cannot be achieved.

☒ Measurement using a spectrum analyzer (SA), Selection of test method:

☒ Maximum peak conducted output power

The following procedure shall be used when an instrument with a resolution bandwidth that is greater than the DTS bandwidth is available to perform the measurement:

- a) Set the RBW > DTS bandwidth.
- b) Set VBW > [3 x RBW]
- c) Set span > [3 x RBW]
- d) Sweep time = auto couple.
- e) Detector = peak
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use peak marker function to determine the peak amplitude level.

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☒ Maximum conducted (average) output power (Method AVGSA-2):

- a) Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- b) Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
- c) SA Setting:
 - 1* Set span to at least 1.5 times the OBW
 - 2* Set sweep trigger to "free run."
 - 3* Set RBW= 1% to 5% of the OBW. not to exceed 1MHz.
 - 4* Set VBW $\geq 3 \times$ RBW
 - 5* Number of points in sweep $\geq 2 \times$ span /RBW. (This gives bin-to-bin spacing $\leq$ RBW / 2. so that narrowband signals are not lost between frequency bins).
 - 6* Sweep time $\leq$ (number of points in sweep) $\times$ T. where T is defined in 11.6. If this gives a sweep time less than the auto sweep time of the instrument. then method AVGSA-3 shall not be used (use AVGSA-3A). The purpose of this step is so that the averaging time in each bin is less than or equal to the minimum time of a transmission.
 - 7* Detector =RMS (power averaging).
 - 8* Trace mode =max hold.
 - 9* Allow max hold to run for at least 60 s or longer as needed to allow the trace to stabilize.
 - 10* Compute power by integrating the spectrum across the OBW of the signal using the instrument's band power measurement function with band limits set equal to the OBW band edges. If the instrument does not have a band power function. then sum the spectrum levels (in power units) at intervals equal to the RBW extending across the entire OBW
- d. Measure the captured power within the band and recording the plot.
- e. Repeat above procedures until all frequencies required were complete.

3.5.5 Deviation from Test Standard

No deviation.

3.5.6 EUT Operating Conditions

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

3.5.7 Test Results

3000 Micro R|Evolution:

BLE-1Mbps						
Peak Power						
Channel	Freq.	RF Output Power		Limit (mW)		Verdict
No.	(MHz)	(dBm)	(mW)	Rss-247	FCC	
0	2402	4.15	2.600	<125	<1000	Pass
19	2440	3.80	2.399	<125	<1000	Pass
39	2480	4.36	2.729	<125	<1000	Pass

BLE-2Mbps						
Peak Power						
Channel	Freq.	RF Output Power		Limit (mW)		Verdict
No.	(MHz)	(dBm)	(mW)	Rss-247	FCC	
0	2402	4.12	2.582	<125	<1000	Pass
19	2440	3.78	2.388	<125	<1000	Pass
39	2480	4.35	2.723	<125	<1000	Pass

PB-3000 R|Evolution:

BLE-1Mbps						
Peak Power						
Channel	Freq.	RF Output Power		Limit (mW)		Verdict
No.	(MHz)	(dBm)	(mW)	Rss-247	FCC	
0	2402	2.32	1.706	<125	<1000	Pass
19	2440	2.12	1.629	<125	<1000	Pass
39	2480	2.28	1.690	<125	<1000	Pass

BLE-2Mbps						
Peak Power						
Channel	Freq.	RF Output Power		Limit (mW)		Verdict
No.	(MHz)	(dBm)	(mW)	Rss-247	FCC	
0	2402	2.21	1.663	<125	<1000	Pass
19	2440	2.07	1.611	<125	<1000	Pass
39	2480	2.15	1.641	<125	<1000	Pass

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SB-3000 R|Evolution:

BLE-1Mbps						
Peak Power						
Channel	Freq.	RF Output Power		Limit (mW)		Verdict
No.	(MHz)	(dBm)	(mW)	Rss-247	FCC	
0	2402	2.48	1.770	<125	<1000	Pass
19	2440	2.37	1.726	<125	<1000	Pass
39	2480	2.52	1.786	<125	<1000	Pass

BLE-2Mbps						
Peak Power						
Channel	Freq.	RF Output Power		Limit (mW)		Verdict
No.	(MHz)	(dBm)	(mW)	Rss-247	FCC	
0	2402	2.55	1.799	<125	<1000	Pass
19	2440	2.36	1.722	<125	<1000	Pass
39	2480	2.51	1.782	<125	<1000	Pass

3000 Micro R|Evolution:



BLE 1M Ant1 2402



BLE 1M Ant1 2440

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BLE 1M Ant1 2480



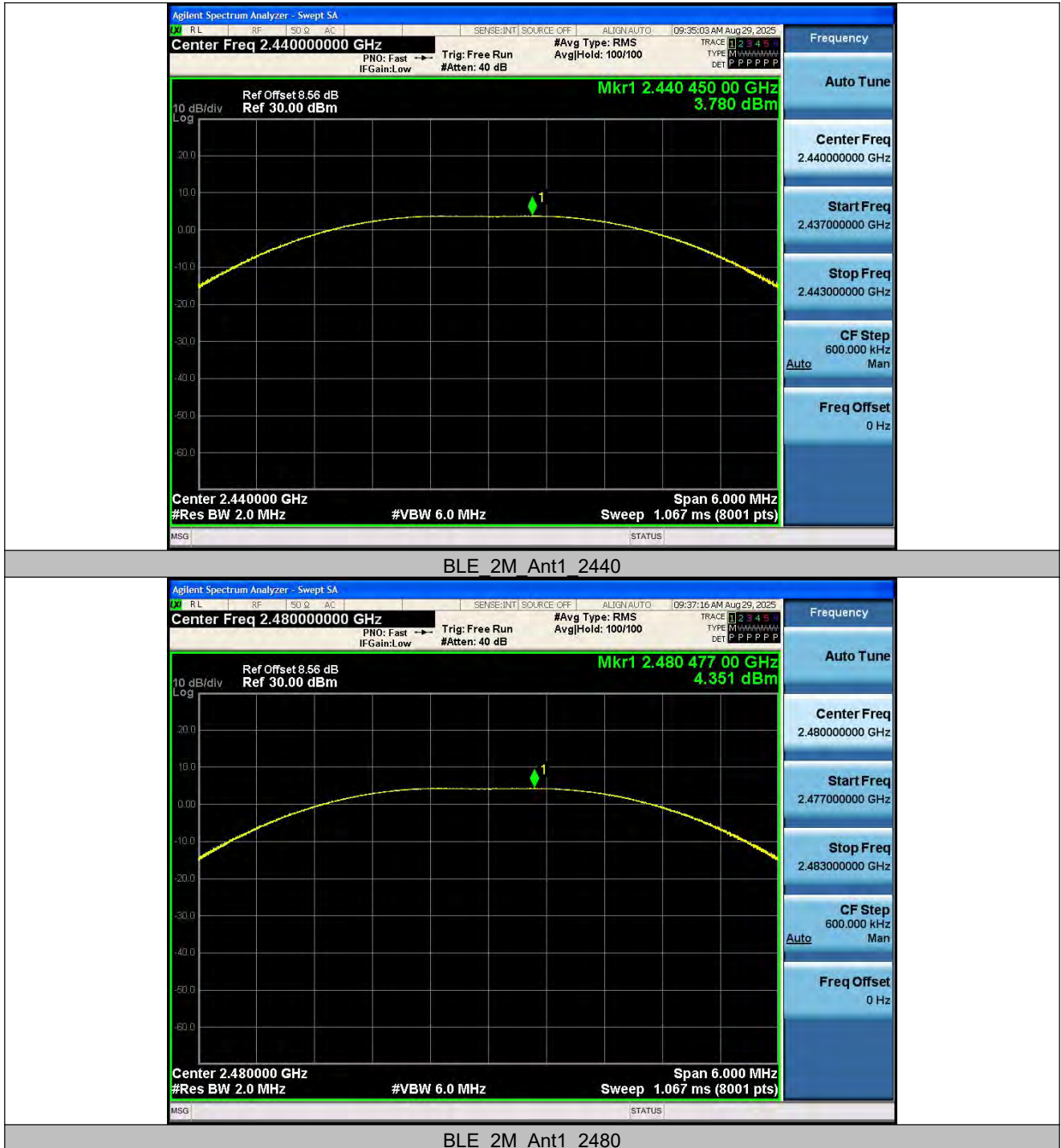
BLE 2M Ant1 2402

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PB-3000 R|Evolution:

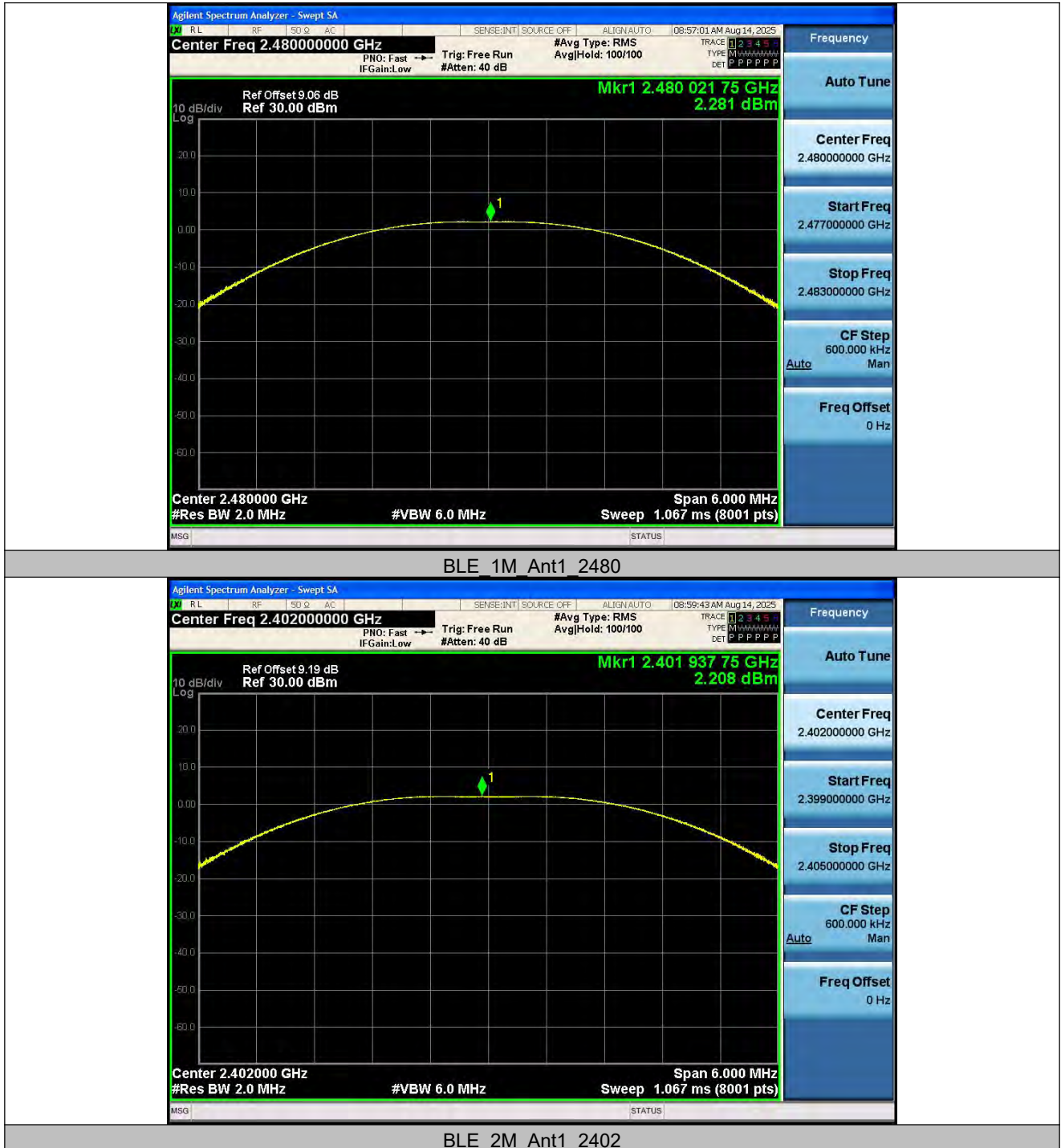


BLE 1M Ant1 2402



BLE 1M Ant1 2440

Test Report No.: 25072404-RF-US-01

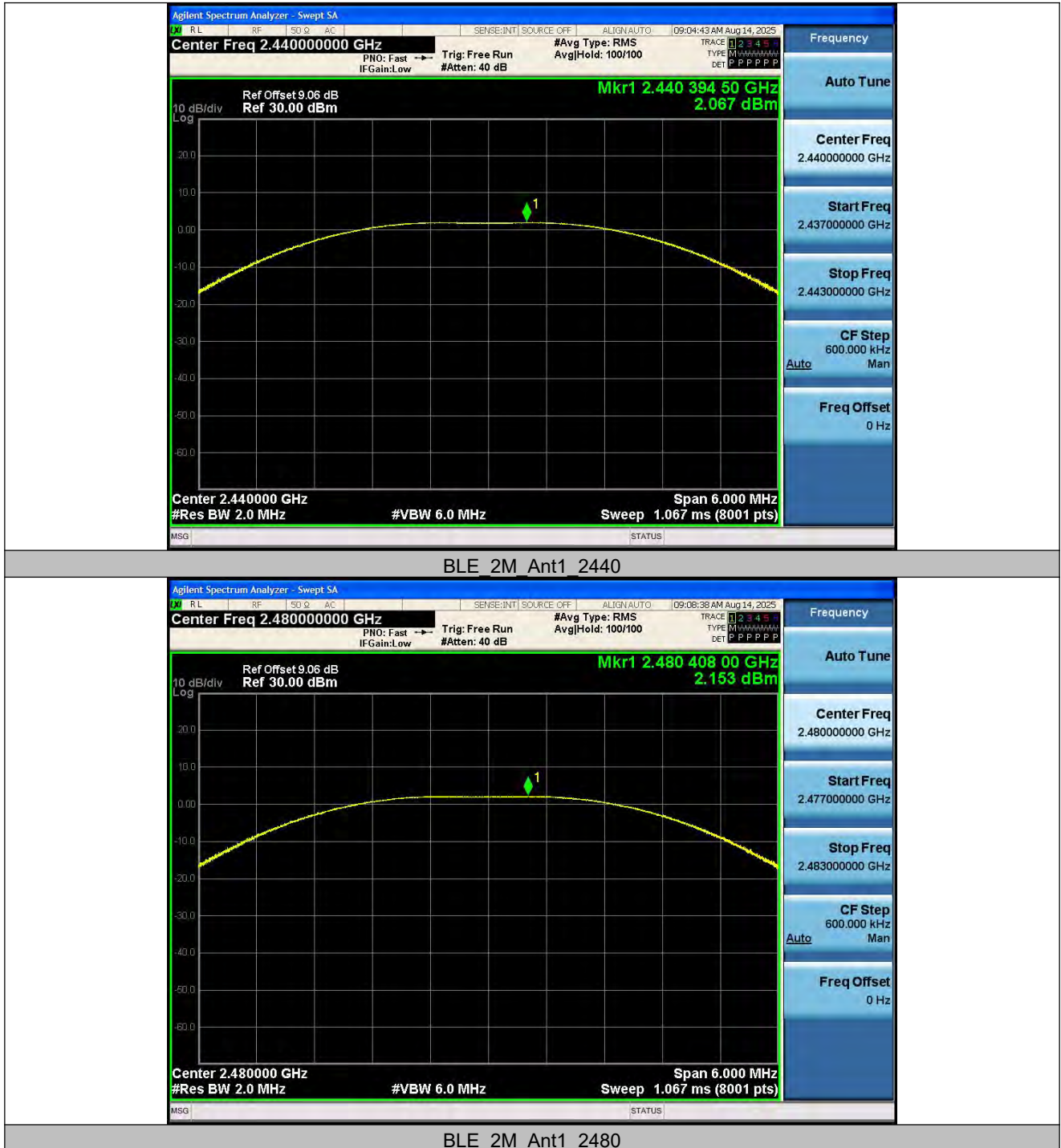


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SB-3000 R|Evolution:



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BLE 1M Ant1 2440

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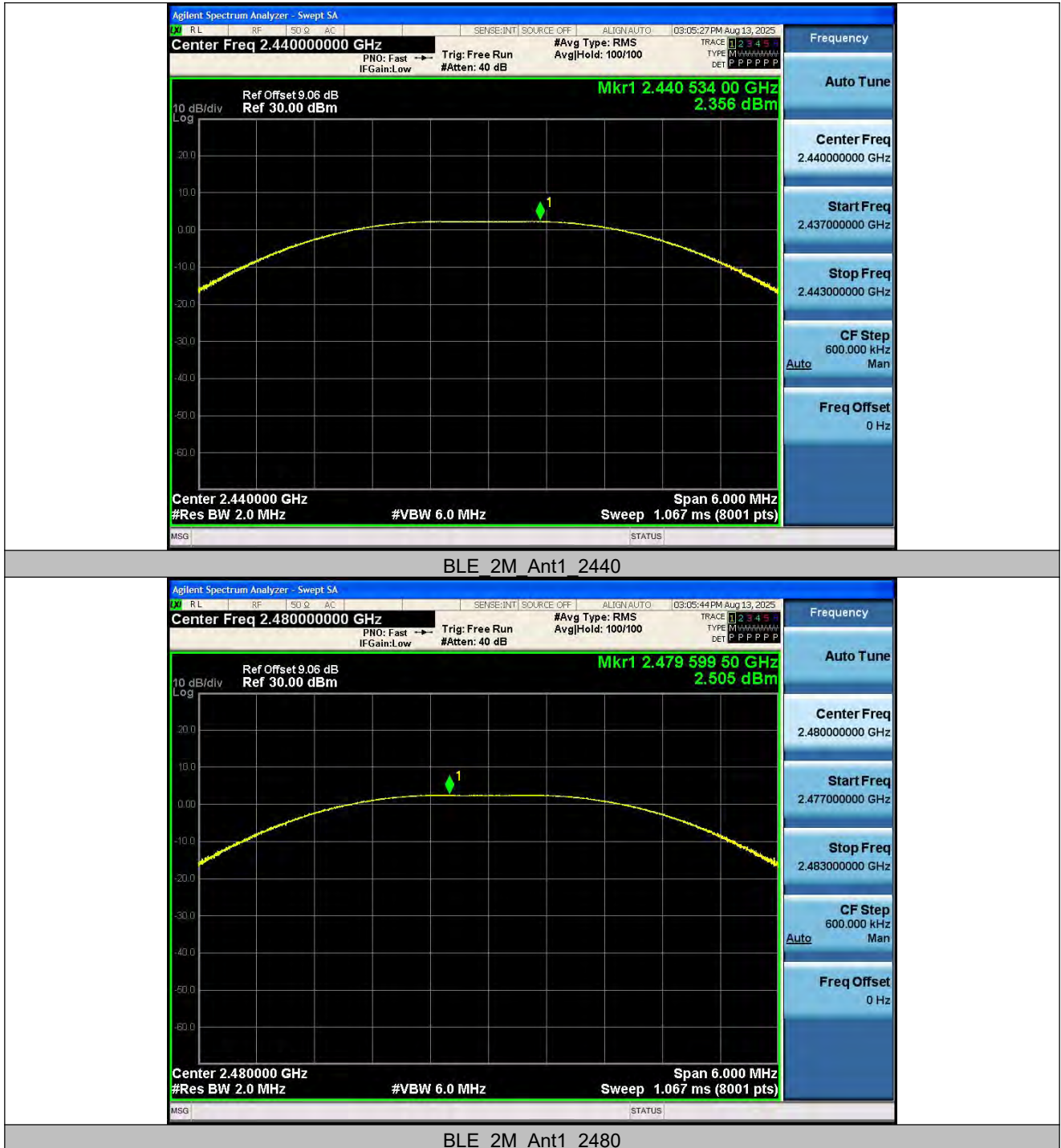


BLE 1M Ant1 2480



BLE 2M Ant1 2402

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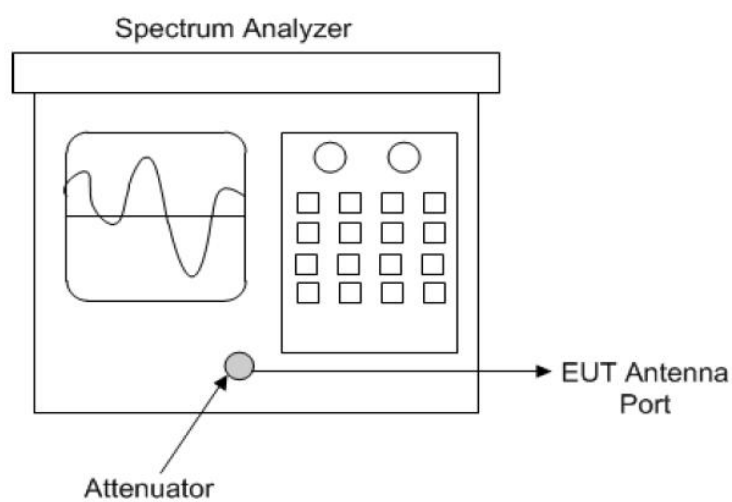
3.6 Power Spectral Density Measurement

3.6.1 Limits of Power Spectral Density Measurement

The Maximum of Power Spectral Density Measurement is 8dBm/3kHz.

3.6.2 Test Setup

- DTS maximum power spectral density level in the fundamental emission Subclause 11.10 of ANSI C63.10 is applicable



Spectrum analyzer test configuration

3.6.3 Test Instruments

Refer to section 5 to get information of above instrument.

3.6.4 Test Procedure

- a. **Method AVGPSD-1 or method AVGPSD-1A (alternative)** shall be applied if either of the following conditions can be satisfied:
- 1) The EUT transmits continuously (or with a $D \geq 98\%$).
 - 2) Sweep triggering can be implemented in such a way that the device transmits at the maximum power control level throughout the duration of each of the instrument sweeps to be averaged. This condition can generally be achieved by triggering the instrument's sweep if the duration of the sweep is equal to or shorter than the duration I of each transmission from the EUT, and if those transmissions exhibit full power throughout these durations.
- b. **Method AVGPSD-2 or method AVGPSD-2A (alternative)** shall be applied if the conditions of the preceding item a) cannot be achieved. and the transmissions exhibit a constant duty cycle during the measurement duration. Duty cycle will be considered to be constant if variations are less than $\pm 2\%$.
- c. **Method AVGPSD-3 or method AVGPSD-3A (alternative)** shall be applied if the conditions of the preceding paragraphs a) and b) cannot be achieved.

Method AVGPSD-3:

Method AVGPSD-3 uses mms detection across ON and OFE times of the EUT with max hold. The following procedure is applicable when the EUT cannot be configured to transmit continuously (i.e. $D < 98\%$), when sweep triggering/signal gating cannot be used to measure only when the EUT is transmitting at its maximum power control level. and when the transmission duty cycle is not constant (i.e., duty cycle variations exceed $\pm 2\%$).

SA Setting:

- a. Set the instrument span to a minimum of 1.5 times the OBW.
 - b. Set sweep trigger to "free run."
 - c. Set the RBW = 3 kHz, VBW = 10 kHz,
 - d. Detector = RMS (power averaging).
 - e. Sweep time = Auto couple,
 - f. Allow max hold to run for at least 60 s or longer as needed to allow the trace to stabilize.
 - g. Use the peak marker function to determine the maximum PSD level
- If the measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat (note that this may require zooming in on the emission of interest and reducing the span to meet the minimum measurement point requirement as the RBW is reduced).

3.6.5 Deviation from Test Standard

No deviation.

3.6.6 EUT Operating Condition

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

3.6.7 Test Results

BLE-1Mbps	Power Density		
Test Channel	Channel Frequency	Test Result (dBm/3kHz)	Limit (dBm/3kHz)
0	2402MHz	-10.99	<8
19	2440MHz	-11.61	<8
39	2480MHz	-10.73	<8

BLE-2Mbps	Power Density		
Test Channel	Channel Frequency	Test Result (dBm/3kHz)	Limit (dBm/3kHz)
0	2402MHz	-10.24	<8
19	2440MHz	-10.77	<8
39	2480MHz	-10.40	<8

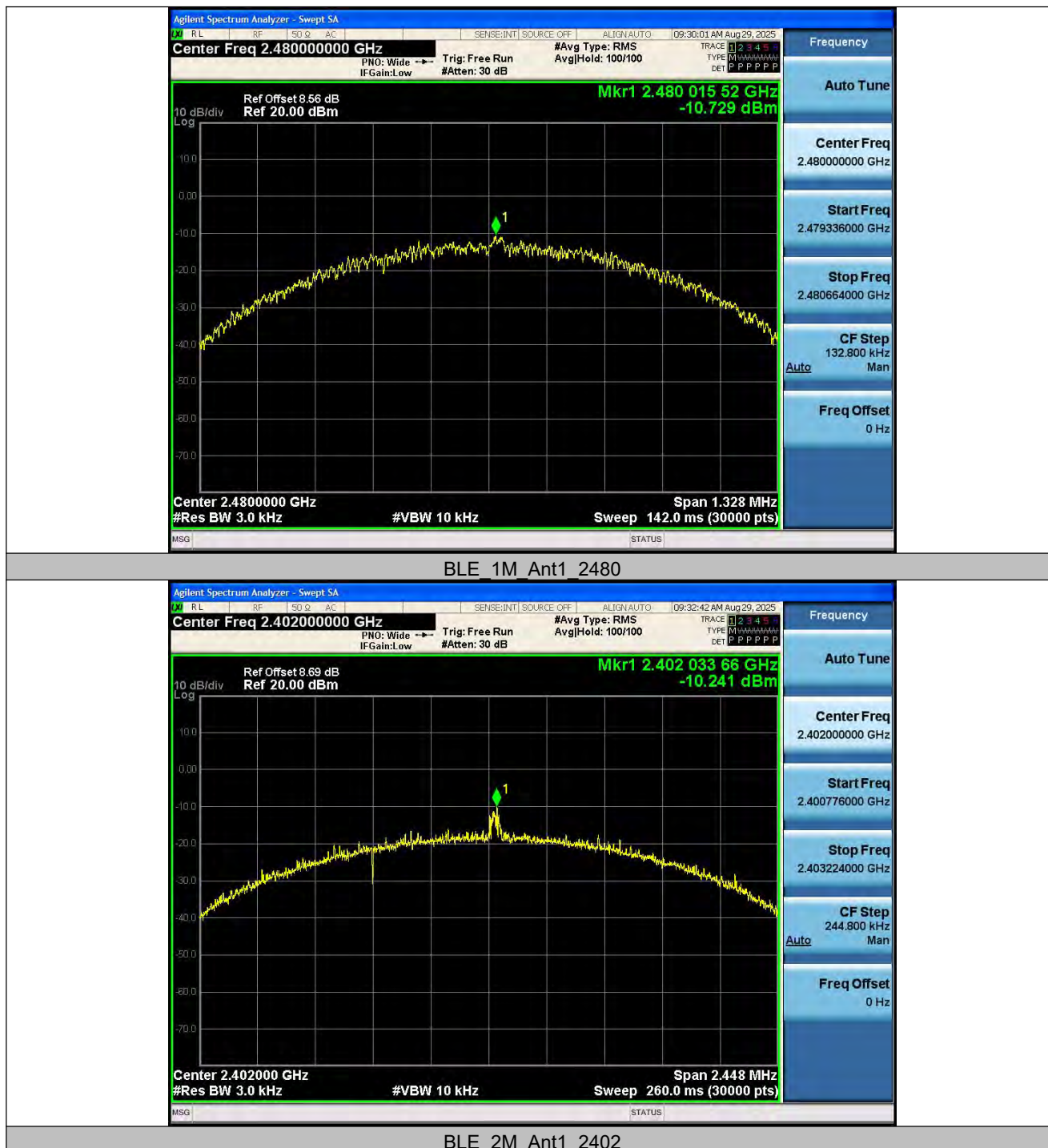


BLE 1M Ant1 2402



BLE 1M Ant1 2440

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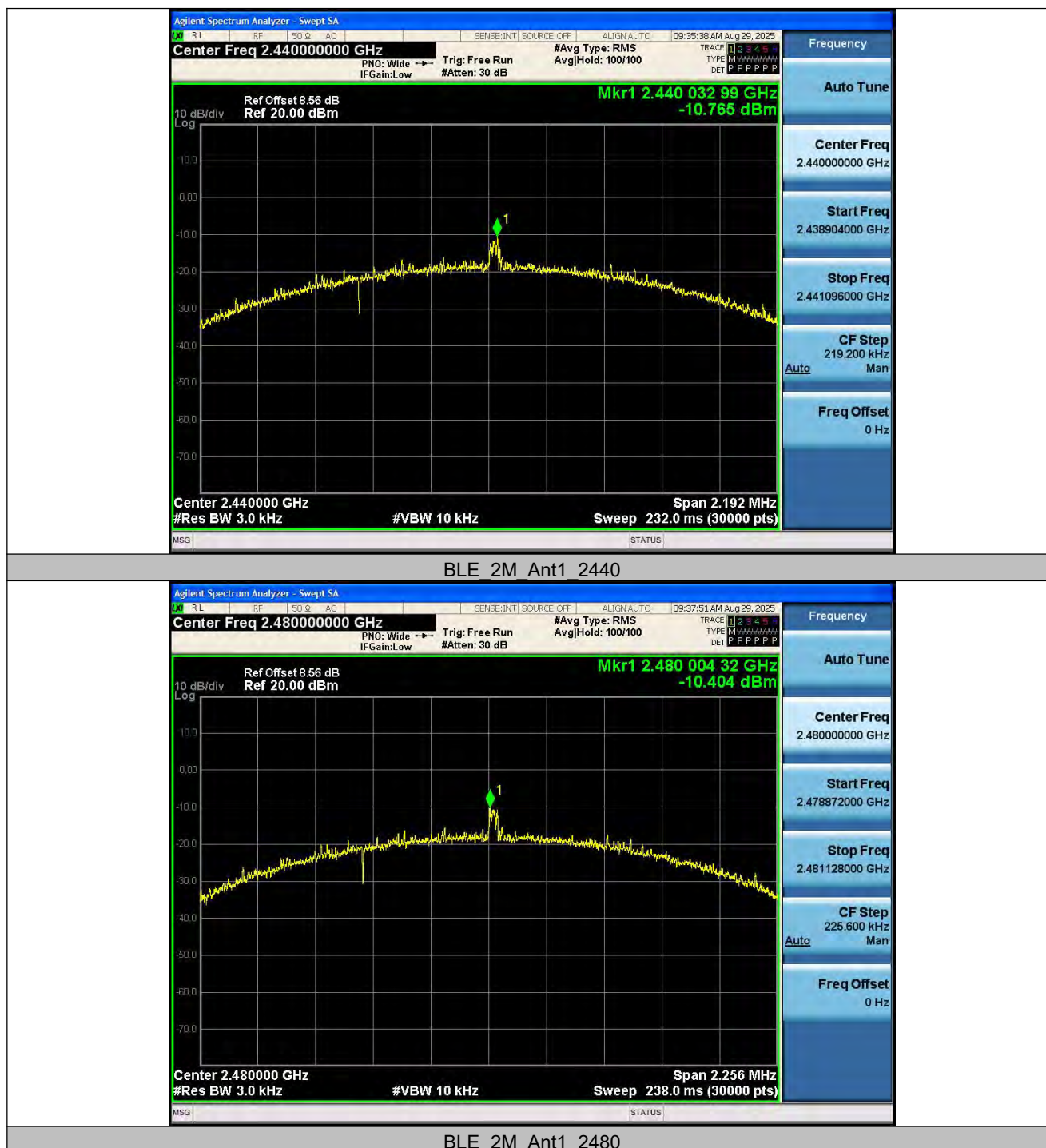


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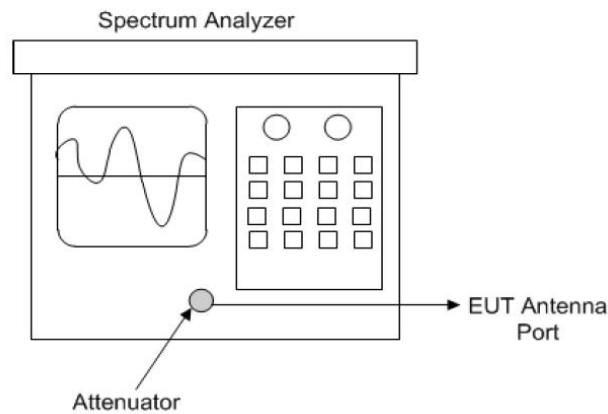
3.7 Conducted Out of Band Emission Measurement

3.7.1 Limits of Conducted Out of Band Emission Measurement

- a. **If the maximum peak conducted output power procedure was used to determine compliance as described in 11.9.1**, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 20 dBc).
- b. **If maximum conducted (average) output power was used to determine compliance as described in 11.9.2**, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 30 dBc).

3.7.2 Test Setup

- DTS emissions in non-restricted frequency bands Subclause 11.11 of ANSI C63.10 is applicable.
- DTS emissions in restricted frequency bands Subclause 11.12 of ANSI C63.10 is applicable.



Spectrum analyzer test configuration

3.7.3 Test Instruments

Refer to section 5 to get information of above instrument.

3.7.4 Test Procedure

a. Establish a reference level by using the following procedure:

- 1) Set instrument center frequency to DTS channel center frequency.
- 2) Set the span to 21.5 times the DTS bandwidth)
- 3) Set the RBW= 100 kHz)
- 4) Set the VBW $\geq 3 \times$ RBW
- 5) Detector = peak
- 6) Sweep time = auto coupling
- 7) Trace mode =max hold
- 8) Allow trace to fully stabilize
- 9) Use the peak marker function to determine the maximum PSD level.

Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

b. Establish an emission level by using the following procedure:

- 1) Set the center frequency and span to encompass frequency range to be measured.
- 2) Set the RBW = 100 kHz
- 3) Set the VBW ≥ 300 kHz.
- 4) Detector = peak.
- 5) Sweep time = auto couple.
- 6) Trace mode = max hold.
- 7) Allow trace to fully stabilize.
- 8) Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.

3.7.5 Deviation from Test Standard

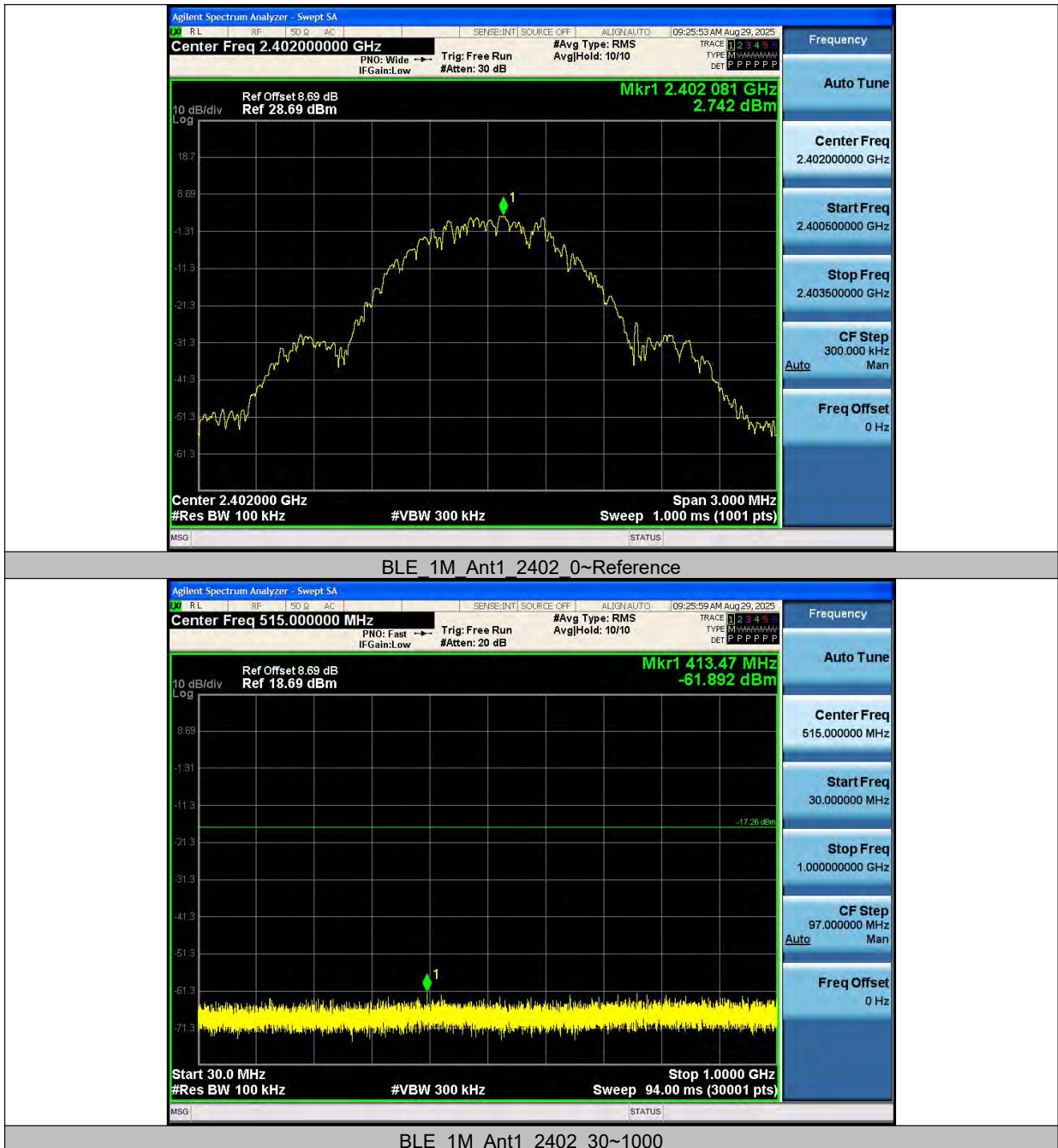
No deviation.

3.7.6 EUT Operating Condition

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

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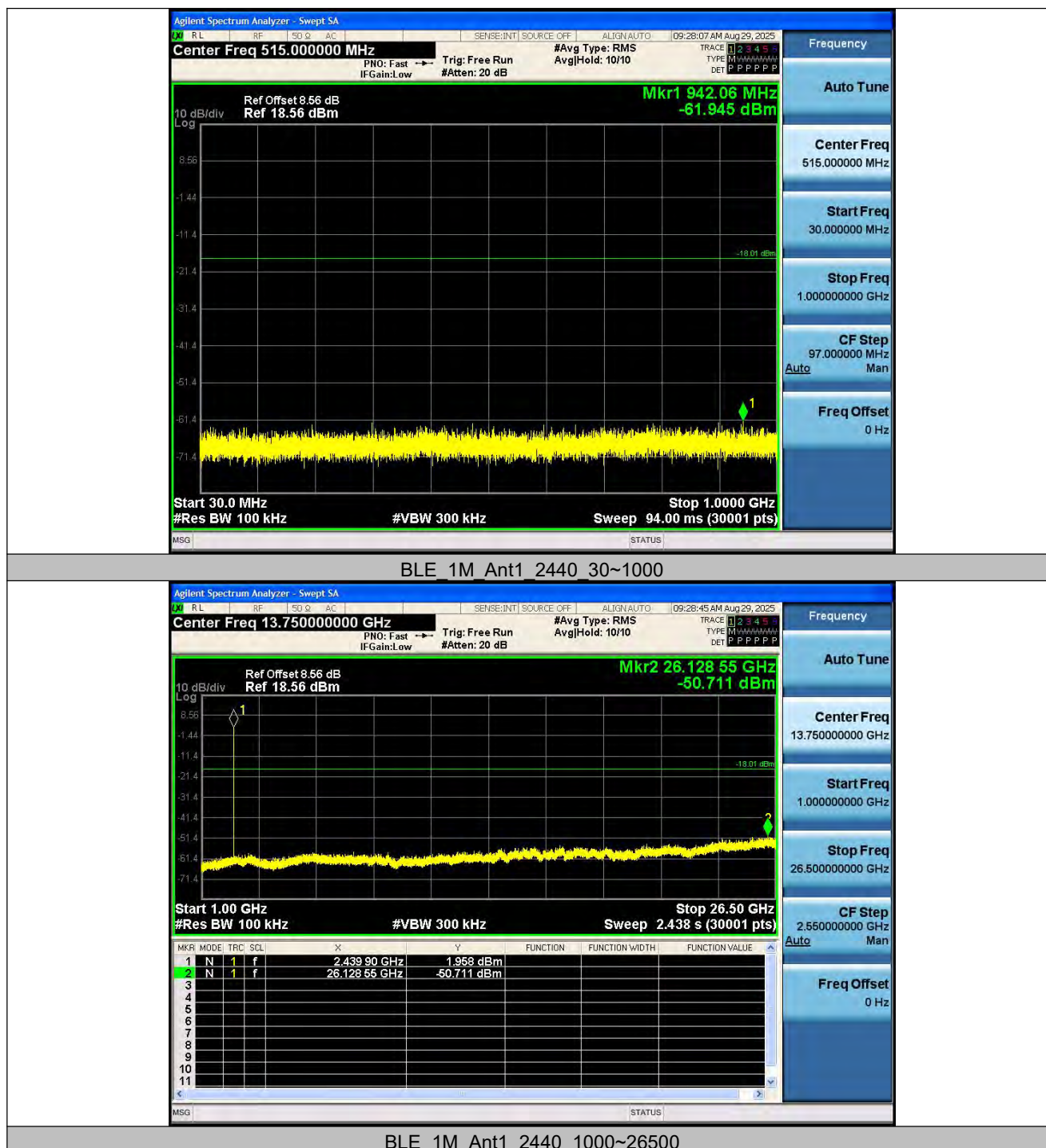
3.7.7 Test results



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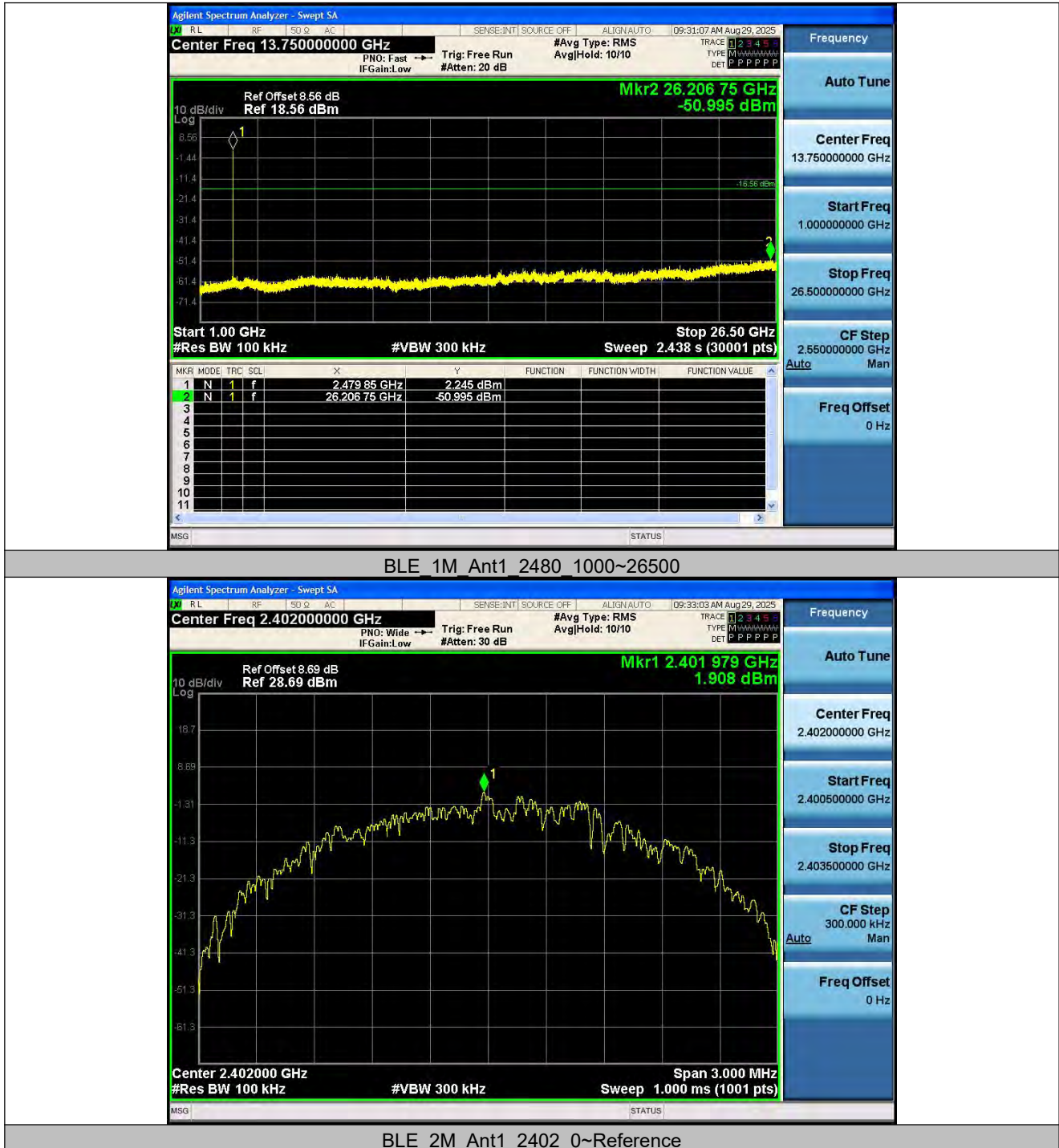


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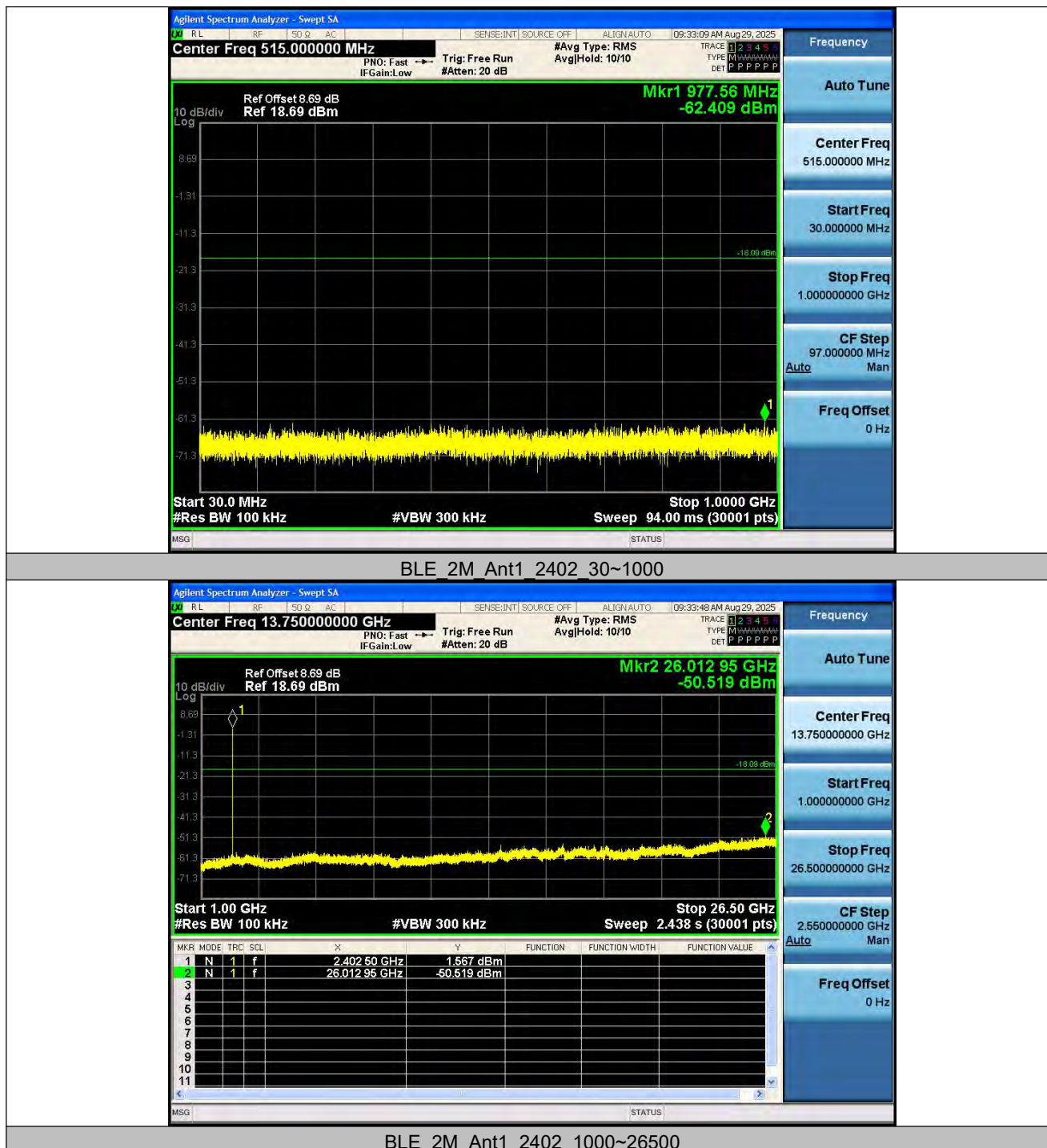
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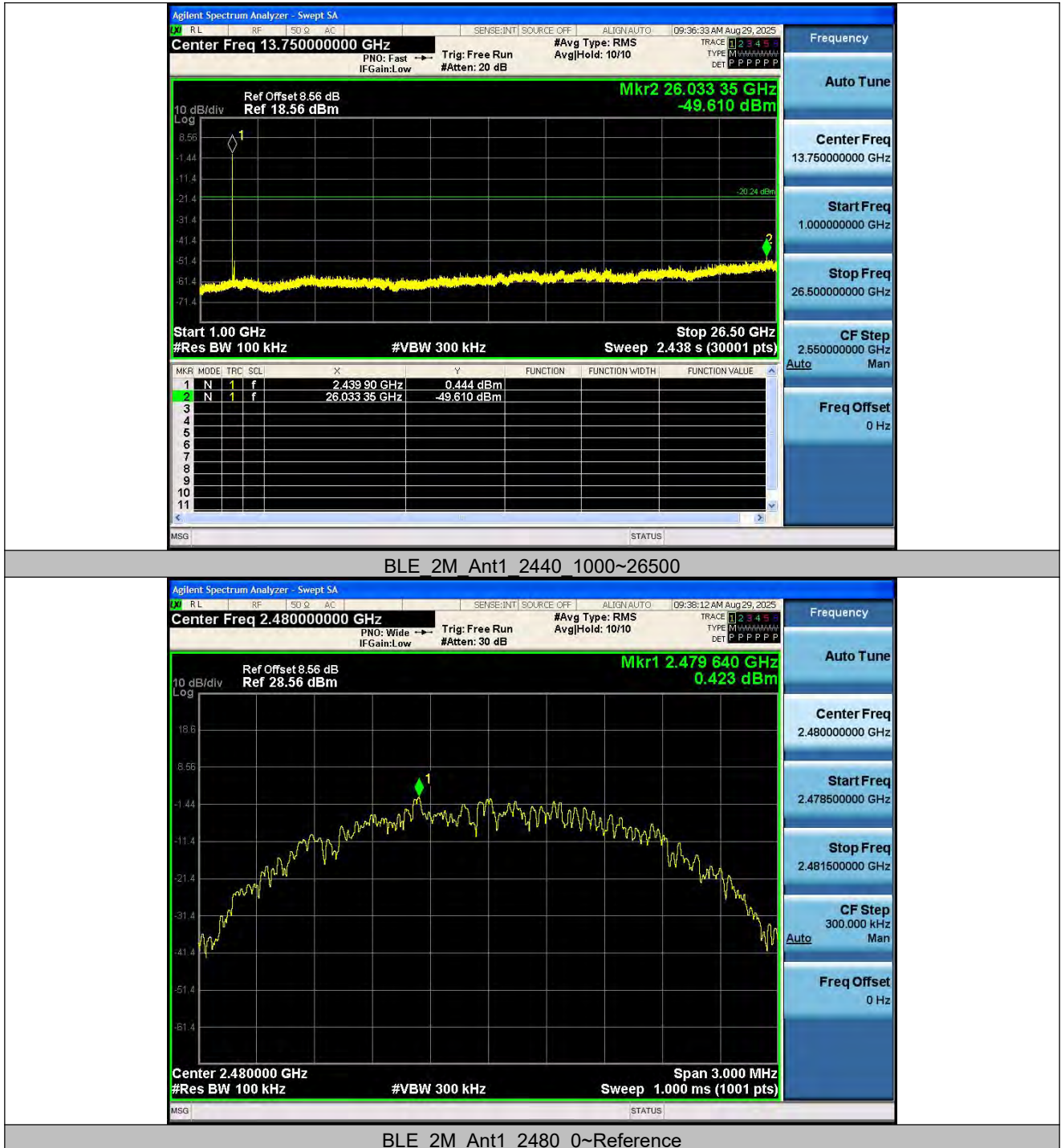


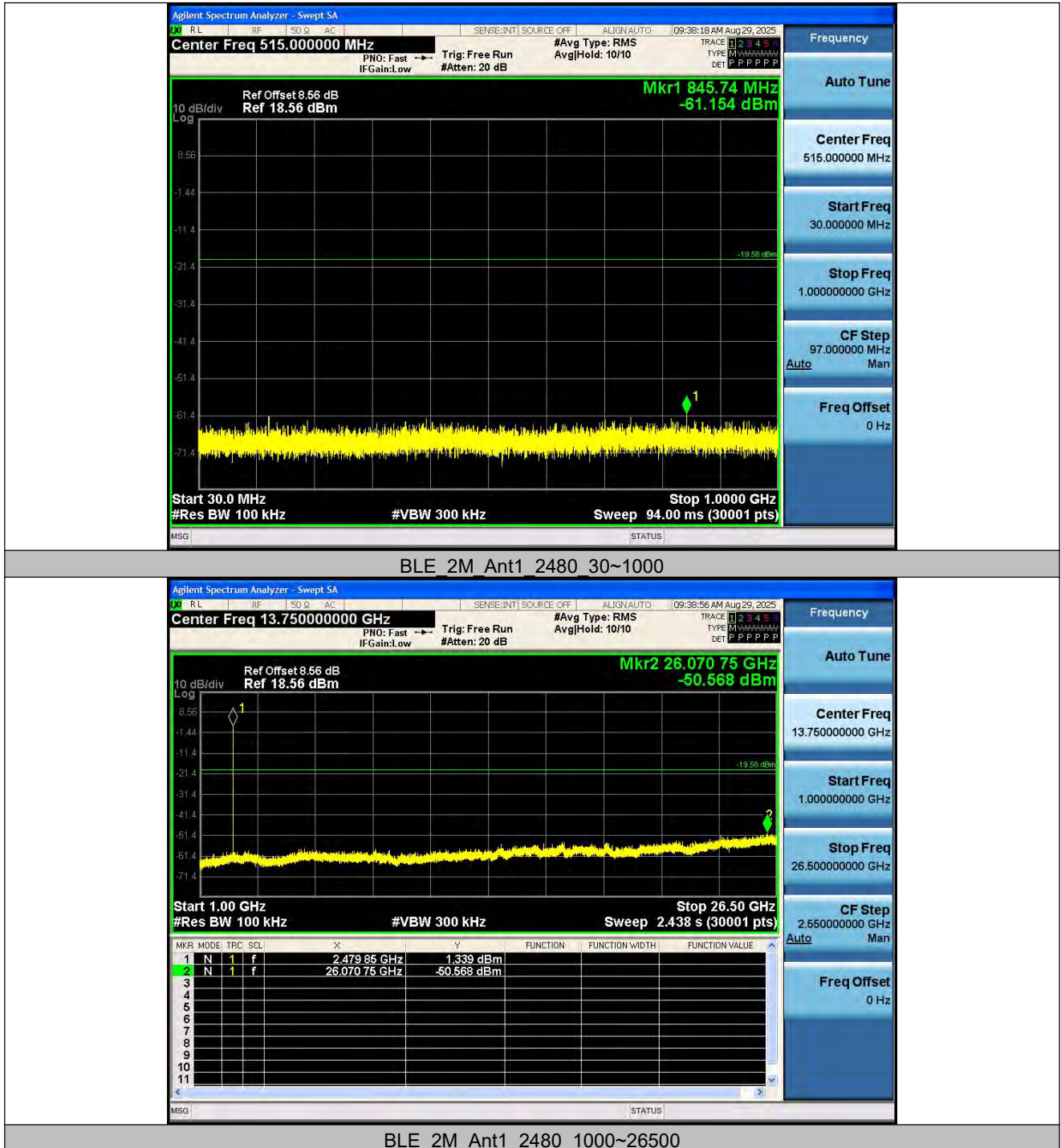
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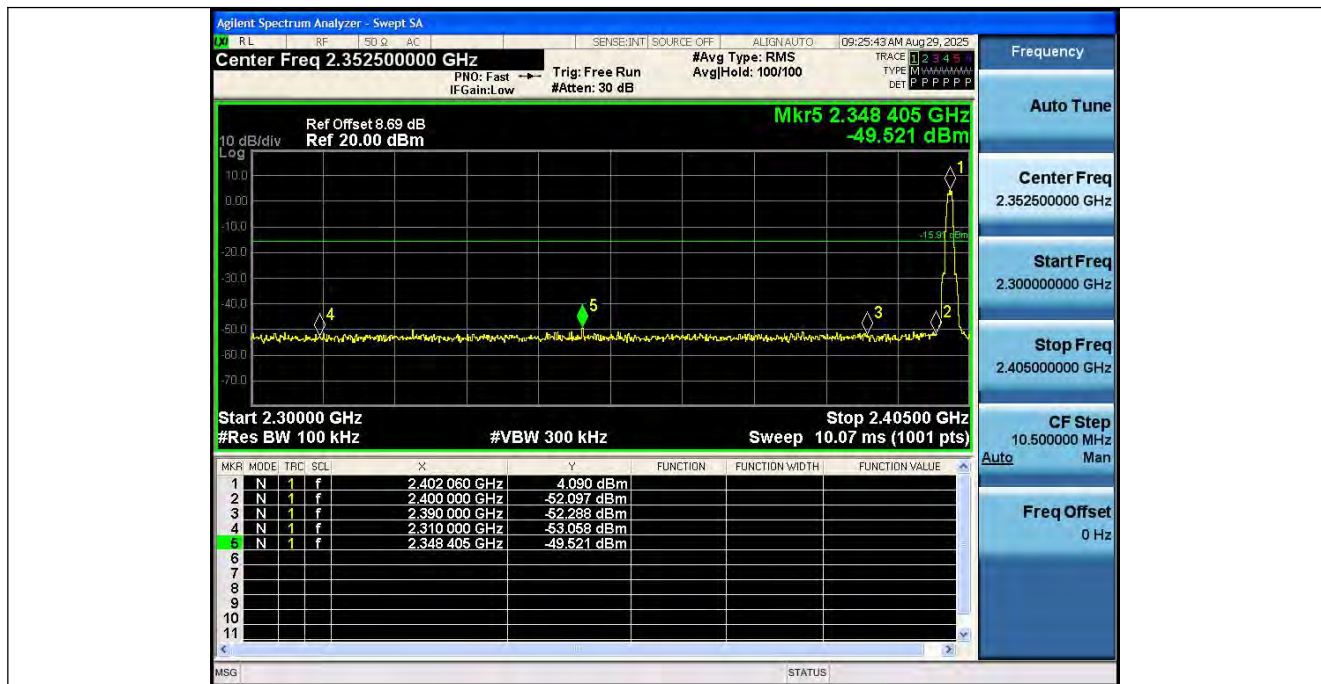
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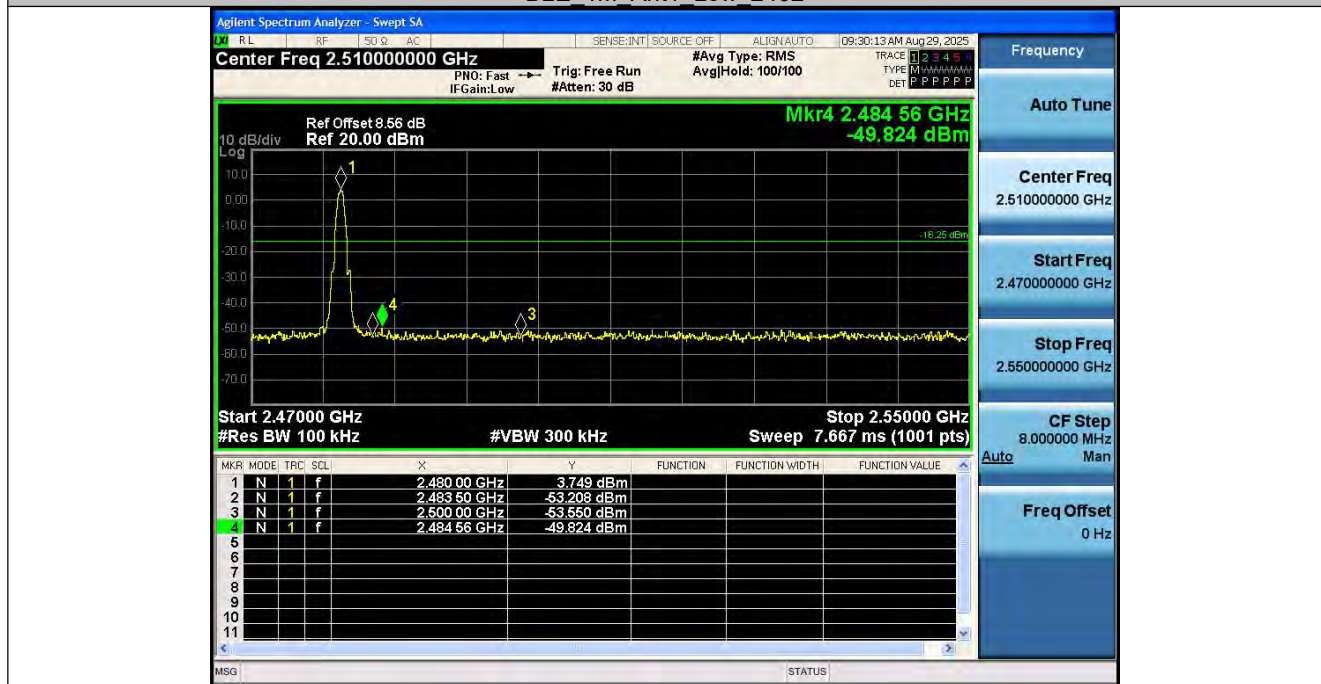




Band edge

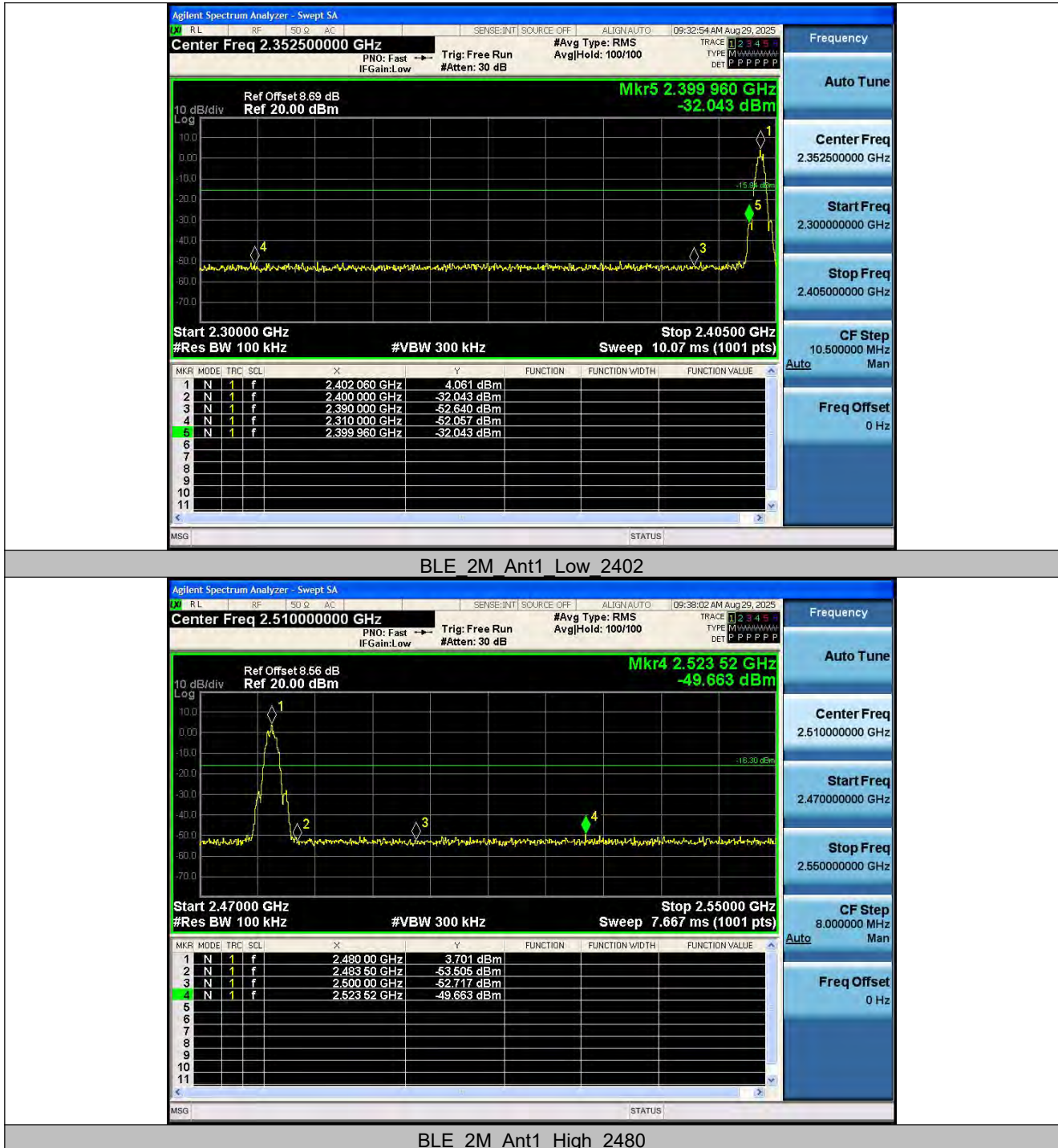


BLE 1M Ant1 Low 2402



BLE 1M Ant1 High 2480

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4. Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

5. Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.Date
Spectrum	Keysight	N9020A	MY51240612	2026-07-23
Power Meter 10Hz~18GHz	Tonscend	JS0806-2	188060126	2026-07-23
Spectrum Analyzer	Rohde&Schwarz	FSV-40N	101783	2026-07-23
Signal generator	Keysight	E4421	GB40051020	2026-05-18
Universal Switch Control Unit	Rohde&Schwarz	CMW500	12010002k50	2026-07-23
Humidity tester	Jingchuang	GSP-8A	CMA22B000592	2026-07-28
Test Software	Tonscend	JS0806-2	188060126	2026-07-23

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to LISAI/CHINA.
2. The test was performed in RF Chamber.

Appendix – Information on The Testing Laboratories

We, [Hwa-Hsing \(Dongguan\) Testing Co., Ltd.](#), A global provider of TESTING and CERTIFICATION services for consumer products, electronic products and wireless information technology products. Adhering to the core values “HONEST and TRUSTWORTHY, OBJECTIVE and IMPARTIALITY, RIGOROUS and AFFICIENT”, commitment to provide professional, perfect and efficient comprehensive ONE-STOP solution of TESTING and CERTIFICATION services for Manufacturers, Buyers, Traders, Brands, Retailers. Assist client to better manage risk, protect their brands, reduce costs and cut time to over 150 markets in global. Our laboratories are FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

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