

Industrial Internet Innovation Center (Shanghai) Co.,Ltd.

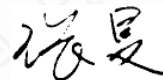
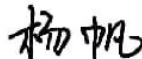
SRD TEST REPORT

PRODUCT	Bluetooth & WiFi 2.4G/5G Module
BRAND	WNC
MODEL	UWM-XP9098V2
APPLICANT	Wistron NeWeb Corporation
FCC ID	NKRUWM-XP9098V2
ISSUE DATE	March 5, 2024
STANDARD(S)	FCC Part15C

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Reviewed by: Yang Fan

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1. Summary of Test Report

1.1 Test Standard(s)

No.	Test Standard	Title	Version
1	FCC Part15C	FCC CFR 47, Part 15, Subpart C: 15.205 Restricted bands of operation; 15.209 Radiated emission limits, general requirements; 15.247 Operation within the bands 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz.	--

1.2 Reference Document(s)

No.	Test Standard	Title	Version
1	ANSI C63.10	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices	2013
2	KDB 558074 D01 15.247 Meas Guidance v05r02	Guidance for Performing Compliance Measurements on Frequency Hopping Spread Spectrum systems (DSS) Operating Under §15.247	--

Note: KDB 558074 D01 15.247 Meas Guidance v05r02 is not A2LA certified.

1.3 Summary of Test Results

No.	Measurement Items	FCC Rules	Verdict
1	Maximum Peak Output Power	15.247(b)	Pass
2	Peak Power Spectral Density	15.247(e)	Pass
3	6dB Occupied Bandwidth	15.247(a)	Pass
4	99% Occupied Bandwidth	15.247(a)	Pass
5	Band Edges Compliance	15.247(d)	Pass
6	Transmitter Spurious Emission-Conducted	15.247(d)	Pass
7	Transmitter Spurious Emission-Radiated	15.247/15.205/15.209	Pass
8	AC Powerline Conducted Emission	15.207	Pass
9	Antenna requirement	15.203/15.247(c)	Pass ^{Note 2}

Note 1:

The UWM-XP9098V2 manufactured by WNC (Kunshan) Corporation Company Limited is a new products for testing.

Industrial Internet Innovation Center (Shanghai) Co., Ltd. only performed test cases which identified with Pass/Fail/Inc result in section 1.3.

Industrial Internet Innovation Center (Shanghai) Co., Ltd. has verified that the compliance of the tested device specified in section 4 of this test report is successfully evaluated according to the procedure and test methods as defined in type certification requirement listed in section 1 of this test report.

Note 2:

Bluetooth used a FPC antenna with max Gain 2.27dBi that complied with 15.203 Requirements.

Note:

a. All the test data for each data were verified, but only the worst case was reported.

1.4 Data Provided by Applicant

No.	Item(s)	Data
1	Antenna gain of EUT	2.27 dBi

Note: The data of antenna gain is provided by the Antenna specification may affect the validity of the test results in this report, and the impact and consequences of this shall be undertaken by the customer.

2. General Information of The Laboratory

2.1 Testing Laboratory

Lab Name	Industrial Internet Innovation Center (Shanghai) Co.,Ltd.
Address	Building 4, No. 766, Jingang Road, Pudong, Shanghai, China
Telephone	021-68866880
FCC Registration No.	708870
FCC Designation No.	CN1364

2.2 Laboratory Environmental Requirements

Temperature	15°C~35°C
Relative Humidity	25%RH~75%RH
Atmospheric Pressure	86kPa~106kPa

2.3 Project Information

Project Manager	Xu Yuting
Test Date	December 06, 2023 to February 06, 2024

3. General Information of The Customer

3.1 Applicant

Company	Wistron NeWeb Corporation
Address	20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan, R.O.C
Telephone	+886 3-666-7799

3.2 Manufacturer

Company	WNC (Kunshan) Corporation Company Limited
Address	NO.88, Central Avenue, Comprehensive Free Trade Zone, Kunshan, Jiangsu, China
Telephone	+86-25-84821688 Ext: 6190

4. General Information of The Product

4.1 Product Description for Equipment under Test (EUT)

Product Name	Bluetooth & WiFi 2.4G/5G Module
Model name	UWM-XP9098V2
Date of Receipt	S07aa/S09aa: December 06, 2023
EUT ID*	S07aa/S09aa
SN/IMEI	S07aa: N7M5N3700B2J01 S09aa: N7M5N3700C4J01
Supported Radio Technology and Bands	BT 5.3 BR/EDR/BLE WLAN 802.11b/g/n/ac/ax WLAN 802.11a/n/ac/ax
Hardware Version	G02
Software Version	NA
FCC ID	NKRUWM-XP9098V2
NOTE1: EUT ID is the internal identification code of the laboratory. NOTE2: Samples in the test report are provided by the customer. The test results are only applicable to the samples received by the laboratory.	

4.2 Internal Identification of AE used during the test

AE ID*	Description	Model	SN/Remark
AE1	RF Cable	N/A	N/A
EA01	Connecting Cable	N/A	N/A
EB02	PCB Board	N/A	N/A
CA01	Adapter	ADS0271-B120200	N/A
UC01	Serial cable	N/A	For EUT debugging
UD01	Lan Cable	N/A	For EUT debugging
AE1	Notebook PC	N/A	For EUT debugging
NOTE1: AE ID is the internal identification code of the laboratory.			

4.3 Additional Information

BLE Frequency	2402MHz-2480MHz
BLE Channel	Ch0-39
BLE Modulation	GFSK

Test frequency list:

BLE_1M	Channel	0	19	39
	Freq. (MHz)	2402	2440	2480
BLE_2M	Channel	0	19	39
	Freq. (MHz)	2402	2440	2480
BLE_125K	Channel	0	19	39
	Freq. (MHz)	2402	2440	2480
BLE_500K	Channel	0	19	39
	Freq. (MHz)	2402	2440	2480

Note: This report is for BLE only.

5. Test Configuration Information

5.1 Laboratory Environmental Conditions

5.1.1 Permanent Facilities

Relative Humidity	Min. = 45 %, Max. = 55 %		
Atmospheric Pressure	101kPa		
Temperature	Normal	Minimum	Maximum
	25℃	-40℃	85℃
Working Voltage of EUT	Normal	Minimum	Maximum
	3.3, 1.8V	3.14, 1.71V	3.46, 1.89V

5.2 Test Equipments Utilized

5.2.1 Conducted Test System

No.	Name	Model	S/N	SW Version	HW Version	Manuf acturer	Cal. Date	Cal. Interva l
1	Test Software	TS1120	10727	V3.2.22	N/A	Tonsce nd	N/A	N/A
2	Automatic control unit	JS0806-2	2218060623	N/A	N/A	Tonsce nd	2023-05-06	1 Year
3	Wireless communication comprehensive tester	CMW500	164865	V3.8.12	N/A	R&S	2023-07-26	1 Year
4	Spectrum Analyzer	FSQ40	200063	V4.75	N/A	R&S	2023-10-16	1 Year
5	Analog Signal Generator	SMF	104770	V3.0.13.0-2.20.530.15.4	N/A	R&S	2023-10-16	1 year
6	Vector Signal Generator	SMCV100B	103691	V5.00.122.24	N/A	R&S	2023-07-27	1 Year
7	Programmable Power Supply	Keithley 2303	4039070	N/A	N/A	Keithle y	2023-06-23	1 Year
8	Temperature box	B-TF-107C	BTF107C-201804107	N/A	N/A	Boyi	2023-06-28	1 Year
9	Network test unit AP	GT-AXE11000	N2IG0X401637KWF	V3.0.0.4.386_45940	N/A	ASUS	N/A	N/A
10	Vector Signal Generator	SMBV100A	257904	V4.15.125.49	N/A	R&S	2023-10-16	1 Year

5.2.2 Radiated Emission Test System

No	Name	Model	S/N	SW Version	HW Version	Manufacturer	Cal. Date	Cal. Interval
1	Universal Radio Communication Tester	CMU200	123126	V5.2.1	B12	R&S	2023-10-16	1 Year
2	Universal Radio Communication Tester	CMW500	104178	V3.7.20	1206.0600.00	R&S	2023-10-16	1 Year
3	EMI Test Receiver	ESU40	100307	V5.1-24-3	01	R&S	2022-12-19 2023-12-19	1 Year
4	TRILOG Broadband Antenna	VULB9163	01345	N/A	N/A	Schwarzbeck	2023-03-23	1 Year
5	Double-ridged Waveguide Antenna	ETS-3117	00135890	N/A	N/A	ETS	2022-03-09	2 Years
6	EMI Test Software	EMC32 V10.35.02	N/A	N/A	N/A	R&S	N/A	N/A
7	Horn Antenna	3160-09	LM6321	N/A	N/A	R&S	2023-07-16	1 Year
8	Horn Antenna	3160-10	LM5942	N/A	N/A	R&S	2023-07-16	1 Year
9	Loop Antenna	AL-130R	121083	N/A	N/A	COM-POWER	2023-9-13	1 Year
10	Preamplifier	SCU08F1	8320024	N/A	N/A	R&S	2023-10-16	1 Year
11	Preamplifier	SCU18	10155	N/A	N/A	R&S	2023-10-16	1 Year
12	Preamplifier	SCU26	10025	N/A	N/A	R&S	2023-10-16	1 Year
13	Preamplifier	SCU40	10020	N/A	N/A	R&S	2023-10-16	1 Year
14	2-Line V-Network	ENV216	101380	N/A	N/A	R&S	2023-12-19	1 Year
15	EMI Test Software	EMC32 V10.35.02	N/A	N/A	N/A	R&S	N/A	N/A
16	Test Receiver	ESCI	101235	V5.1-24-3	0	R&S	2023-12-19	1 Year

5.2.3 Test Environment

Shielding Room1 (6.0 meters×3.0 meters×2.7 meters) did not exceed following limits along the conducted RF performance testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	> 100 dB
Ground system resistance	< 0.5 Ω
Temperature	Min. = 15 °C, Max. = 35 °C

Control room did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 30 %, Max. = 60 %
Shielding effectiveness	> 100 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω

Fully-anechoic chamber1 (9.8 meters×6.7 meters×6.7 meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 25 %, Max. = 75 %
Shielding effectiveness	> 100 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω
VSWR	Between 0 and 6 dB, from 1GHz to 18GHz
Site Attenuation Deviation	Between -4 and 4 dB, 30MHz to 1GHz

5.3 Measurement Uncertainty

Measurement Uncertainty of Conduction test

Item(s)	Frequency range	Confidence Level	Uncertainty
DTS Bandwidth	2400–2483.5MHz	95%	±1.9%
Maximum Conducted Output Power	2400–2483.5MHz	95%	± 1.18 dB
Maximum Power Spectral Density Level	2400–2483.5MHz	95%	±0.98 dB
Band-edge Compliance	2400–2483.5MHz	95%	±1.21dB
Unwanted Emissions In Non-restricted Freq Bands	9kHz-7GHz	95%	9kHz-7GHz:±1.21dB

	7GHz-40GHz	95%	7GHz-40GHz:±3.31dB
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Measurement Uncertainty of Radiation test

Measurement Items	Uncertainty(dB)
Radiated Emission 30MHz-1000MHz	±5.10
Radiated Emission 1000MHz-18000MHz	±5.66
Radiated Emission 18000MHz-40000MHz	±5.22
AC Powerline Conducted Emission	±4.38

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

6. Test Results

6.1 Peak Output Power-Conducted

6.1.1 Measurement Limit

Standard	Conducted Limit(dBm)
FCC 47 Part 15.247(b)(3)	<30

6.1.2 Test Condition

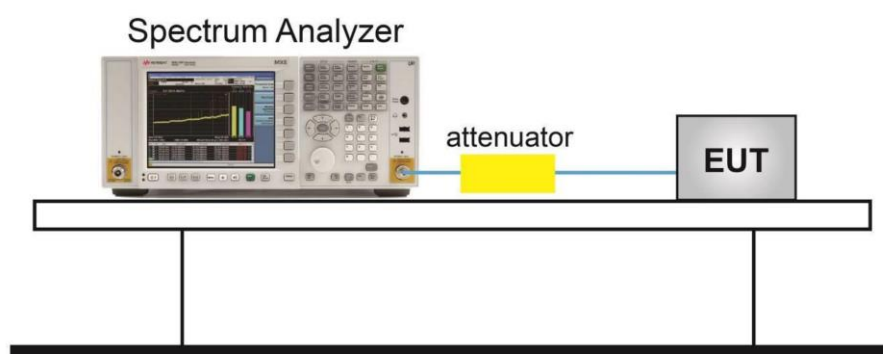
DTS procedure	RBW	VBW	Span	Sweptime
BT-LE	3MHz	10MHz	9MHz	Auto

6.1.3 Test Procedure

The measurement is according to ANSI C63.10 clause 11.9.1

- Set the RBW $\geq$ DTS bandwidth.
- Set VBW $\geq [3 \times \text{RBW}]$.
- Set span $\geq [3 \times \text{RBW}]$.
- Sweep time = auto couple.
- Detector = peak.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use peak marker function to determine the peak amplitude level.

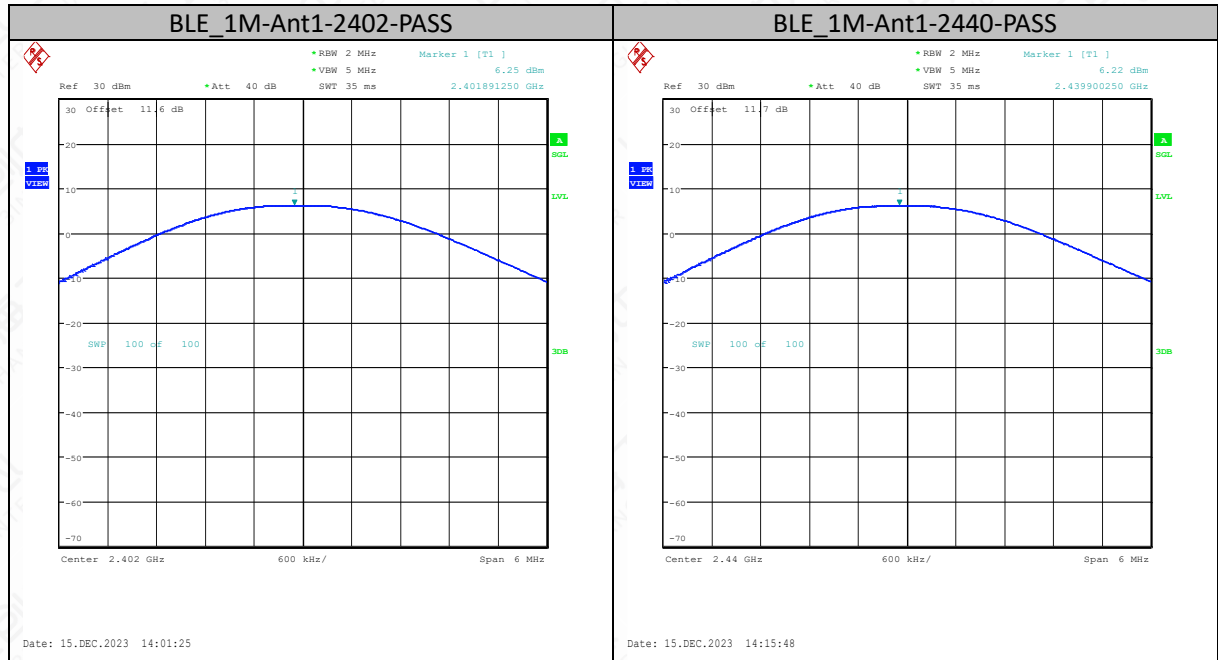
6.1.4 Test setup

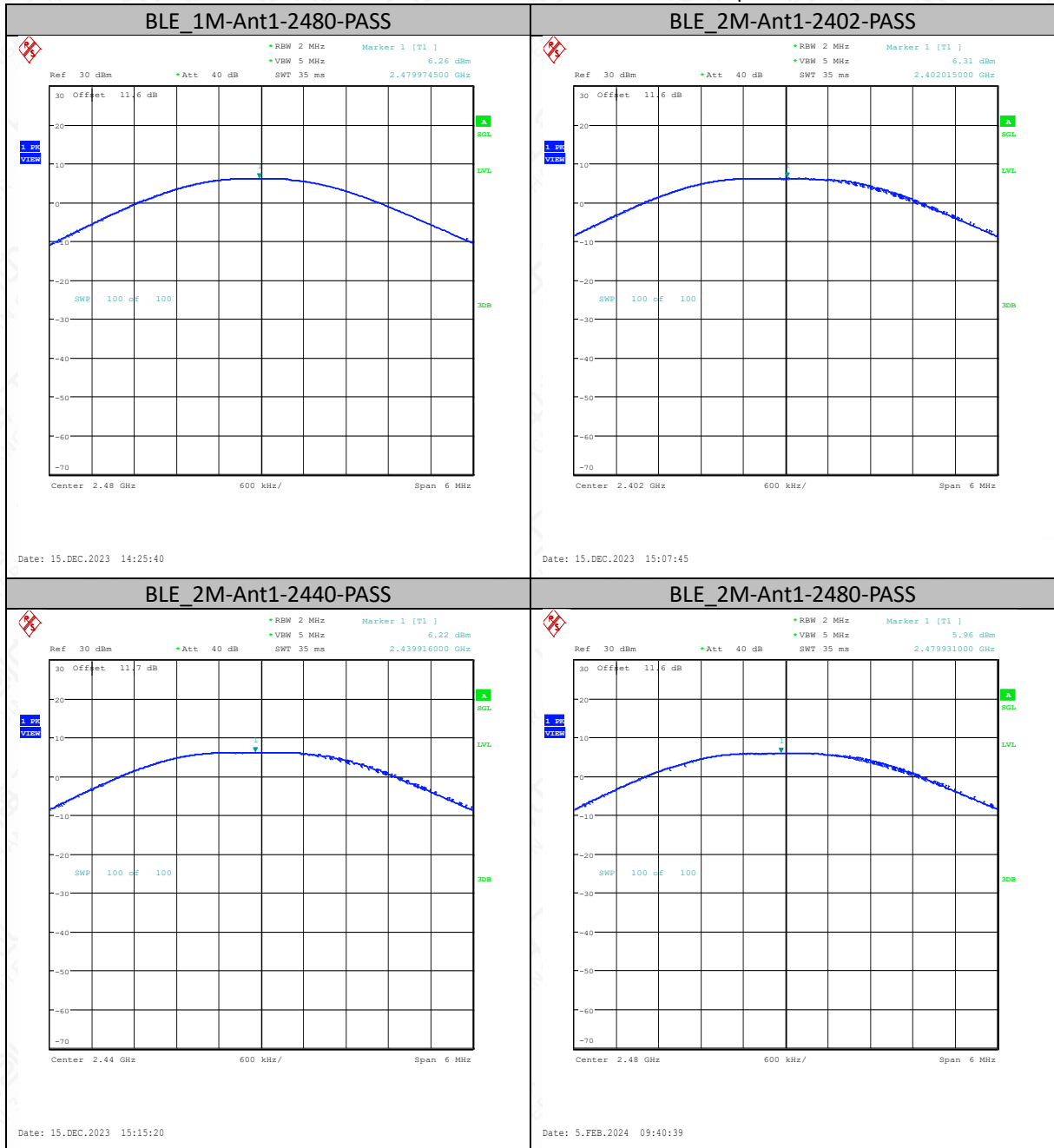


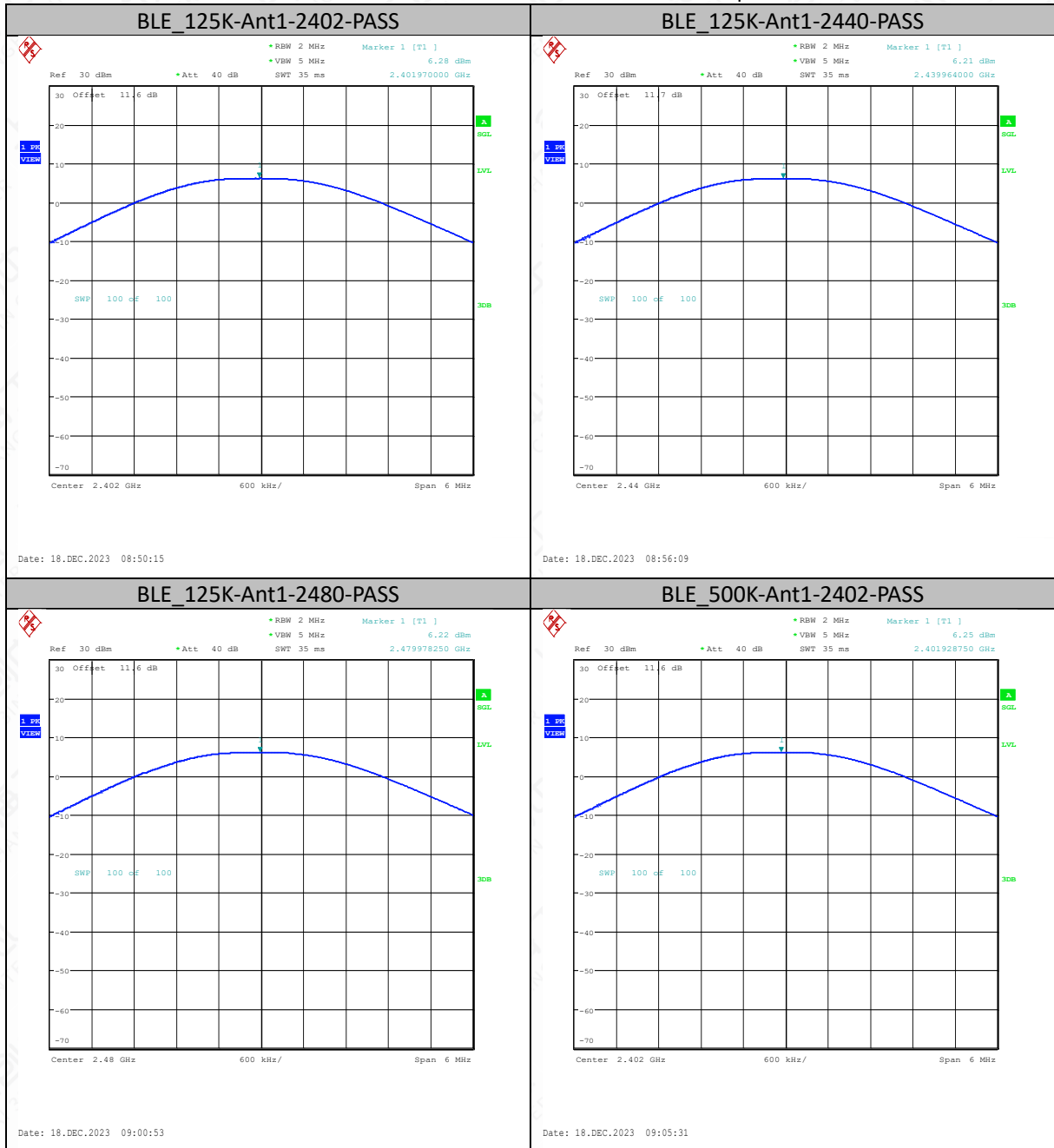
6.1.5 Measurement Results

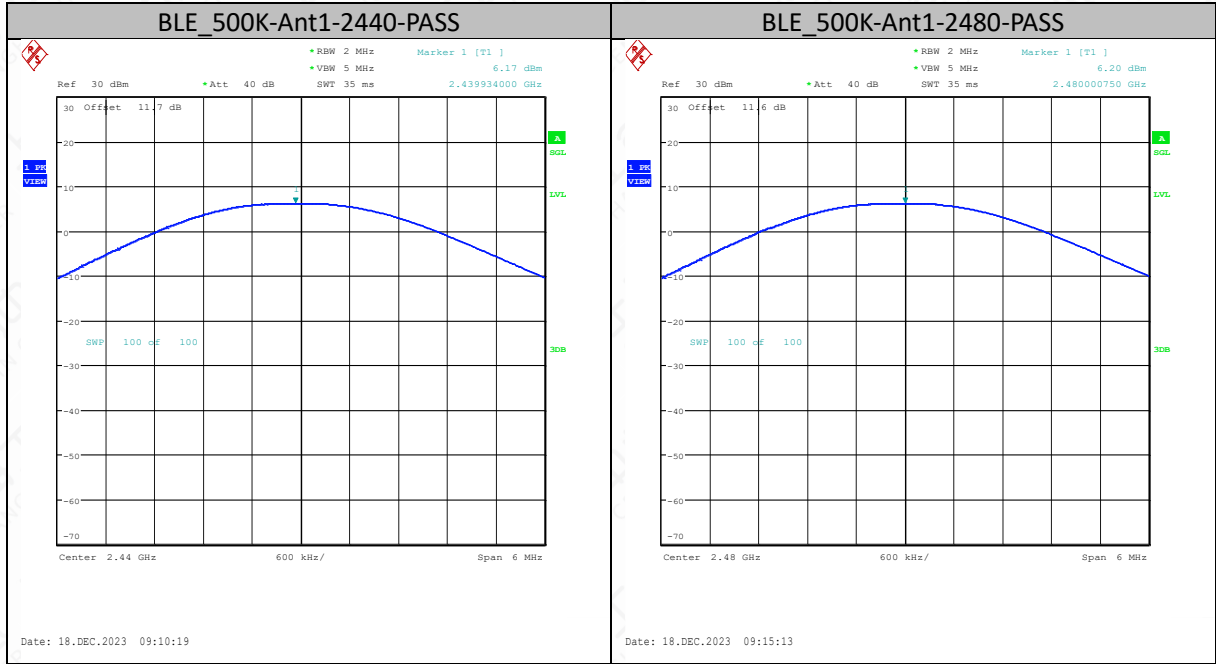
TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	6.25	≤30	PASS
BLE_1M	Ant1	2440	6.22	≤30	PASS
BLE_1M	Ant1	2480	6.26	≤30	PASS
BLE_2M	Ant1	2402	6.31	≤30	PASS
BLE_2M	Ant1	2440	6.22	≤30	PASS
BLE_2M	Ant1	2480	5.96	≤30	PASS
BLE_125K	Ant1	2402	6.28	≤30	PASS
BLE_125K	Ant1	2440	6.21	≤30	PASS
BLE_125K	Ant1	2480	6.22	≤30	PASS
BLE_500K	Ant1	2402	6.25	≤30	PASS
BLE_500K	Ant1	2440	6.17	≤30	PASS
BLE_500K	Ant1	2480	6.20	≤30	PASS

Test Graphs Peak









6.2 99% Occupied Bandwidth

6.2.1 Measurement Limit

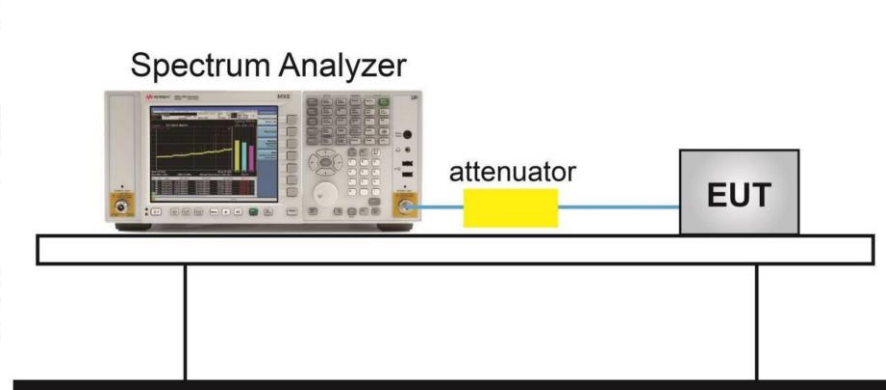
Standard	Limit
15.247(a)	N/A

6.2.2 Test procedures

The measurement is according to ANSI C63.10 clause 6.9.3.

1. The output power of EUT was connected to the spectrum analyzer. The path loss was compensated to the results for each measurement.
2. Enable EUT transmitter maximum power continuously.
3. Set RBW shall be in the range of 1% to 5% of the OBW.
4. Set the VBW $\geq [3 \times \text{RBW}]$.
5. Detector = peak.
6. Trace mode = max hold.
7. Sweep = auto couple.
8. Allow the trace to stabilize.
9. The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission.

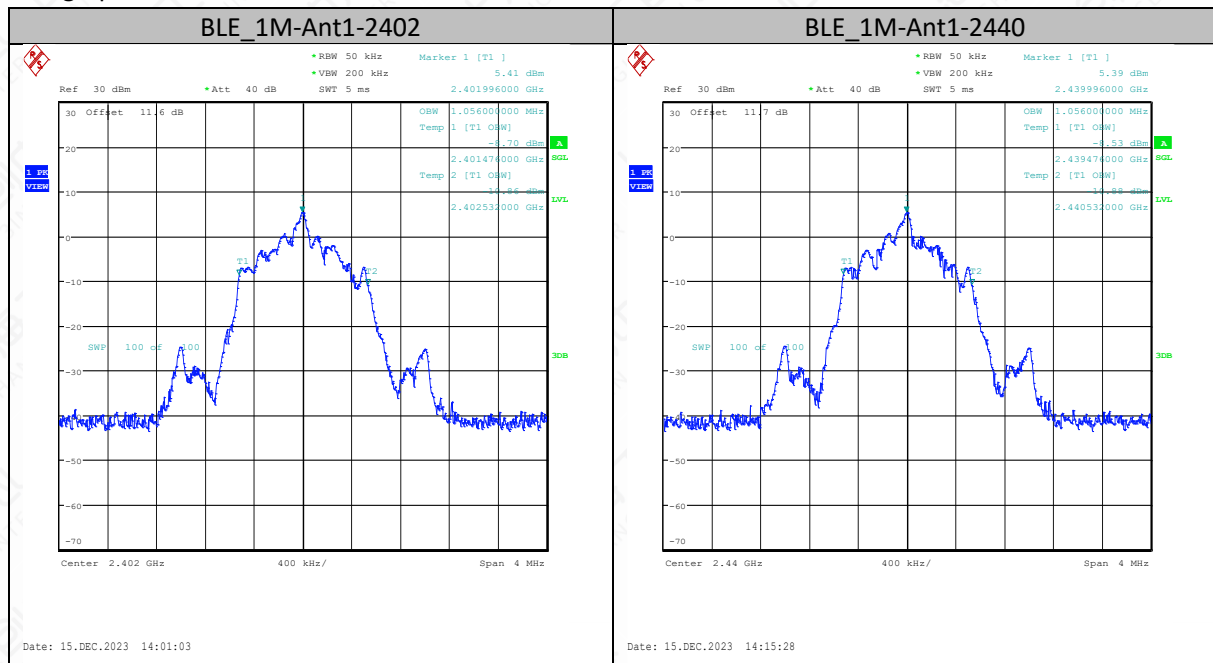
6.2.3 Test setup

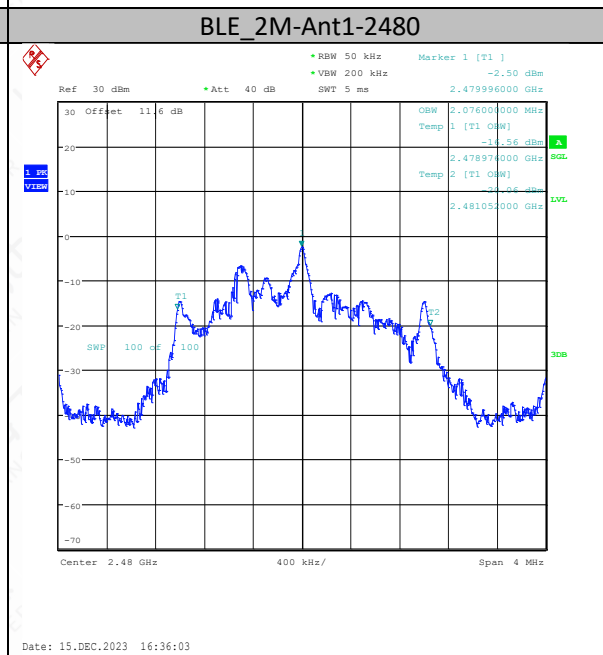
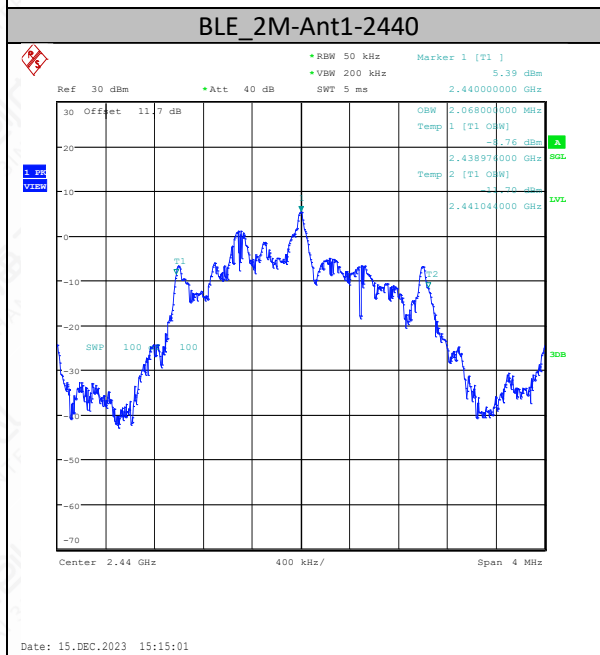
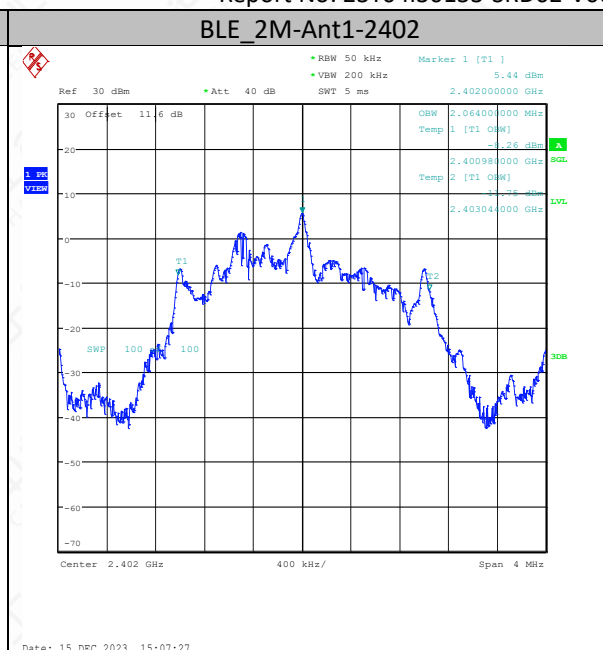
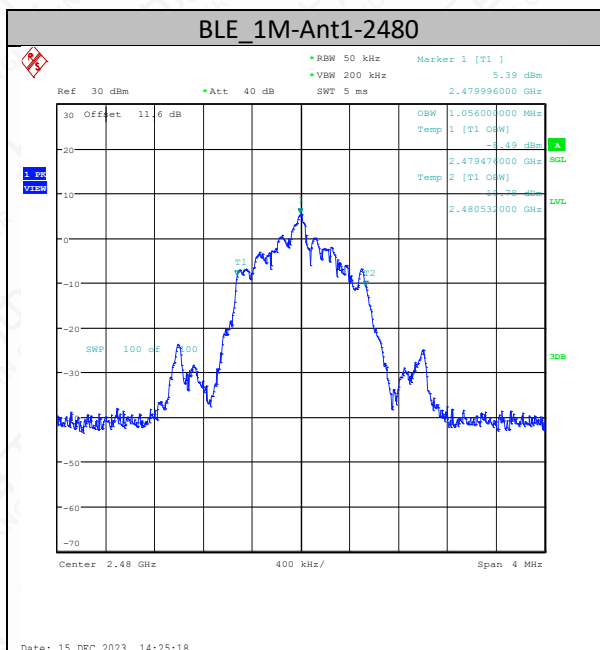


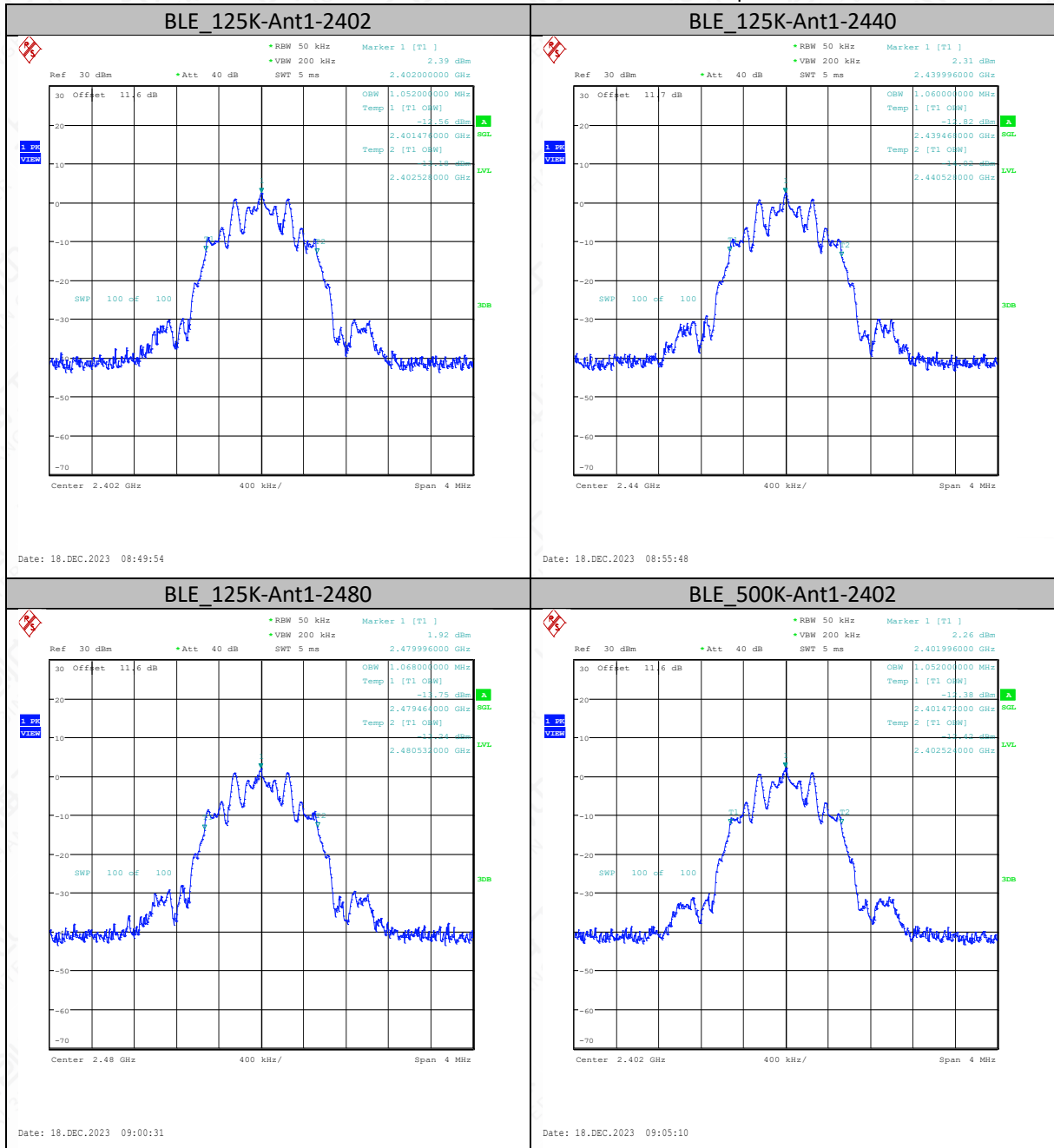
6.2.4 Measurement Result

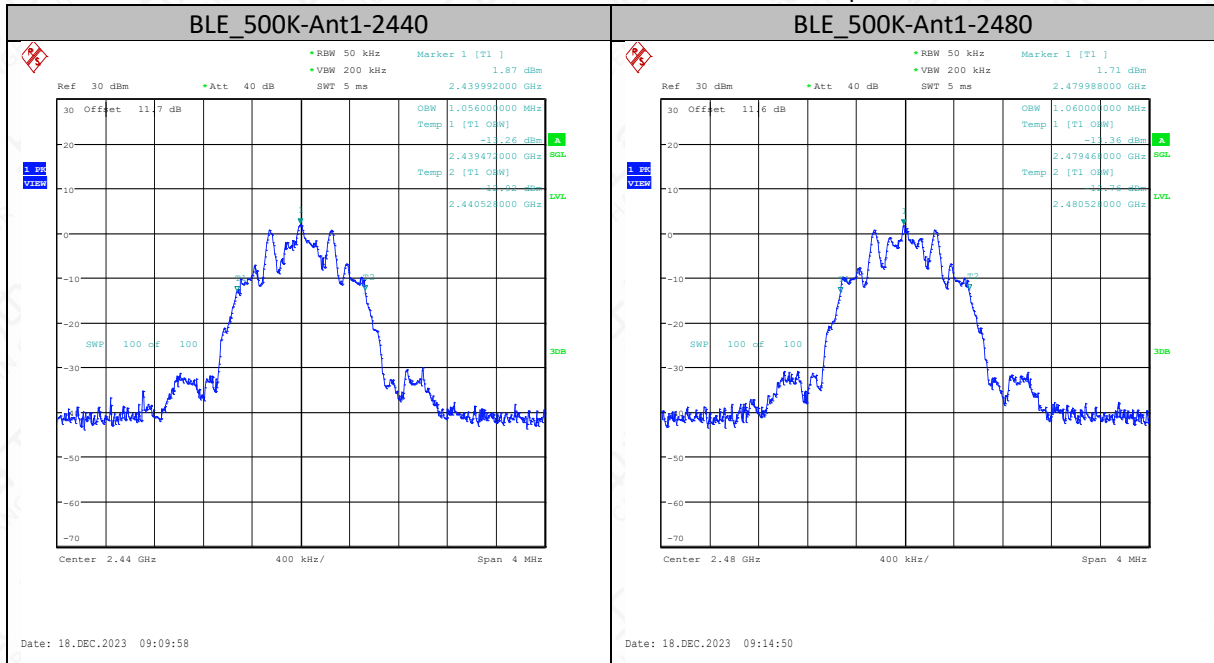
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.056	2401.4760	2402.5320	---	---
BLE_1M	Ant1	2440	1.056	2439.4760	2440.5320	---	---
BLE_1M	Ant1	2480	1.056	2479.4760	2480.5320	---	---
BLE_2M	Ant1	2402	2.064	2400.9800	2403.0440	---	---
BLE_2M	Ant1	2440	2.068	2438.9760	2441.0440	---	---
BLE_2M	Ant1	2480	2.076	2478.9760	2481.0520	---	---
BLE_125K	Ant1	2402	1.052	2401.4760	2402.5280	---	---
BLE_125K	Ant1	2440	1.06	2439.4680	2440.5280	---	---
BLE_125K	Ant1	2480	1.068	2479.4640	2480.5320	---	---
BLE_500K	Ant1	2402	1.052	2401.4720	2402.5240	---	---
BLE_500K	Ant1	2440	1.056	2439.4720	2440.5280	---	---
BLE_500K	Ant1	2480	1.06	2479.4680	2480.5280	---	---

Test graphs









6.3 Peak Power Spectral Density

6.3.1 Measurement Limit

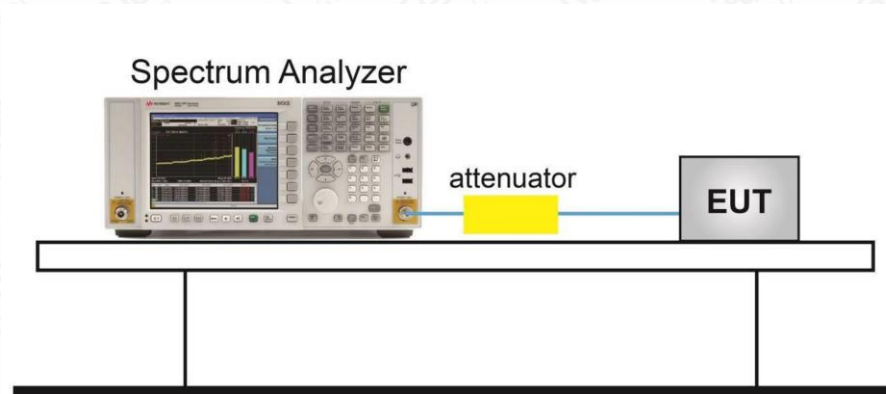
Standard	Limit
FCC 47 Part 15.247(e)	$\leq 8\text{dBm}/3\text{ kHz}$

6.3.2 Test procedures

The measurement is according to ANSI C63.10 clause 11.10.

1. The output power of EUT was connected to the spectrum analyzer. The path loss was compensated to the results for each measurement.
2. Enable EUT transmitter maximum power continuously.
3. Set analyzer center frequency to DTS channel center frequency.
4. Set the span to 1.5 times the DTS bandwidth.
5. Set the RBW to $3\text{ kHz} \leq \text{RBW} \leq 100\text{ kHz}$.
6. Set the VBW $\geq [3 \times \text{RBW}]$.
7. Detector = peak.
8. Sweep time = auto couple.
9. Trace mode = max hold.
10. Allow trace to fully stabilize.
11. Use the peak marker function to determine the maximum amplitude level within the RBW.
12. If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.

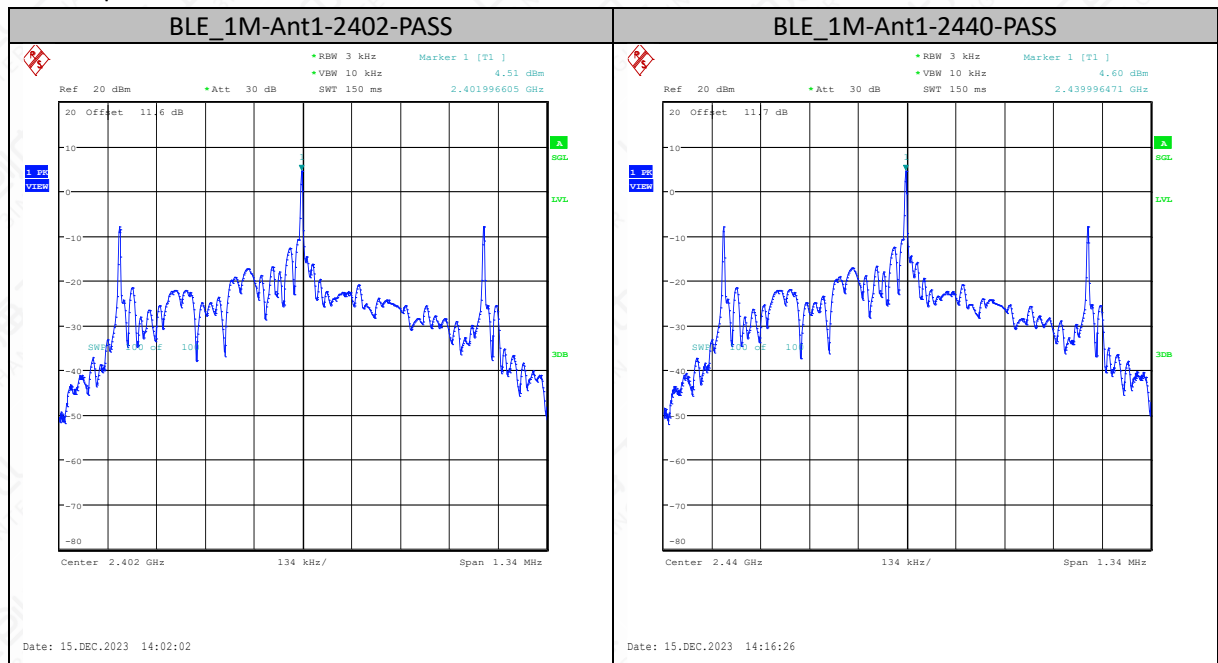
6.3.3 Test Setup

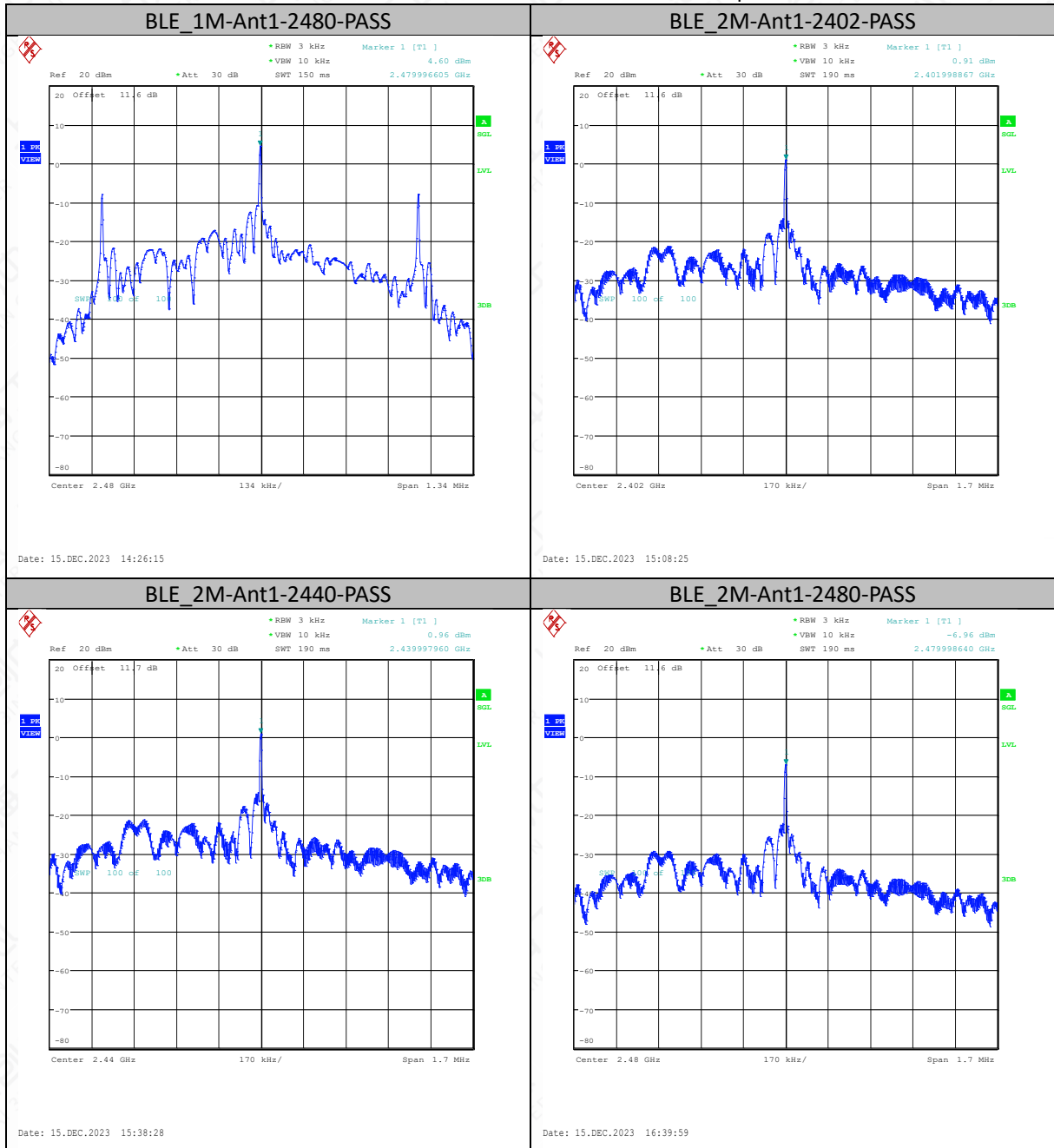


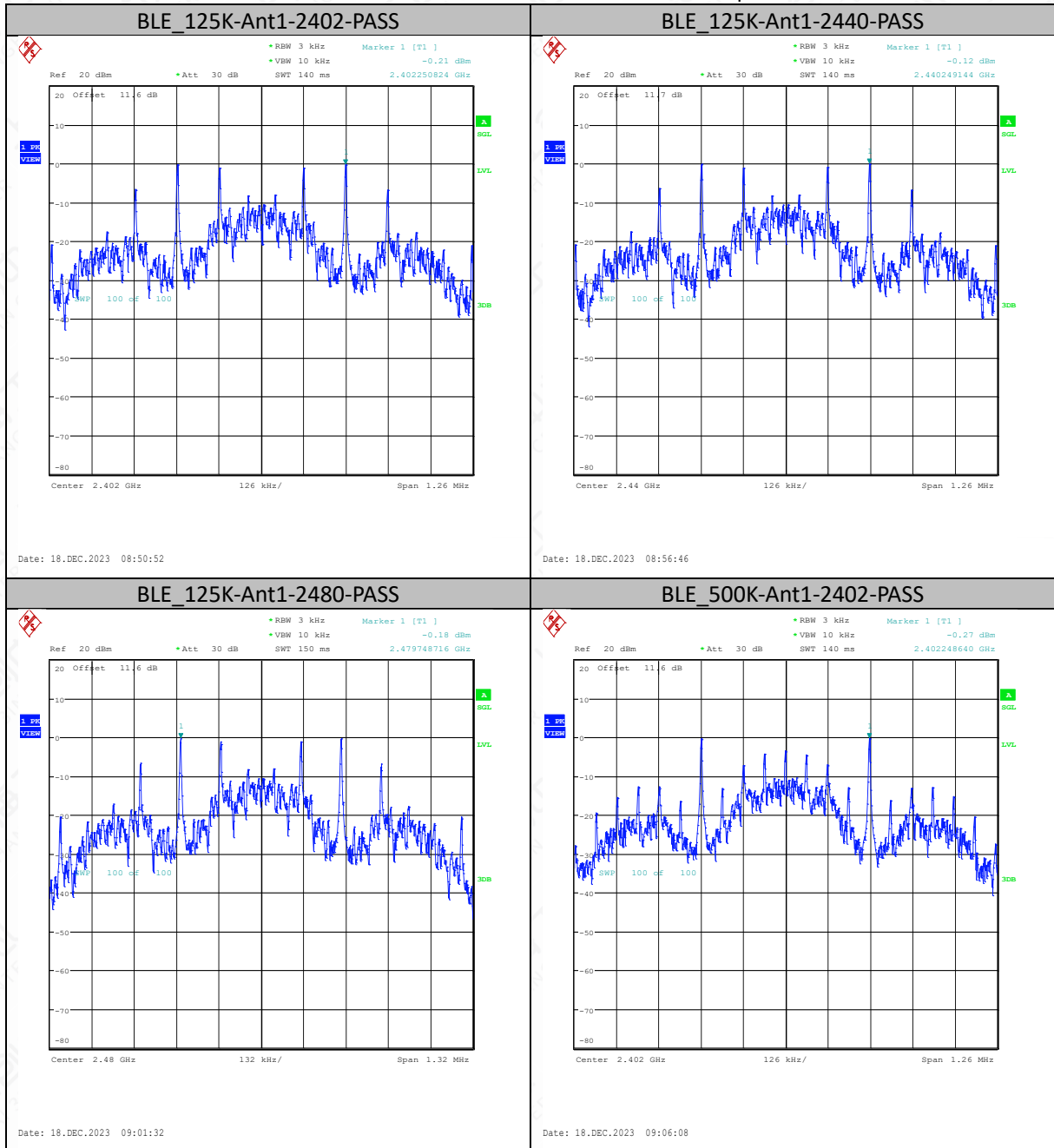
6.3.4 Measurement Results

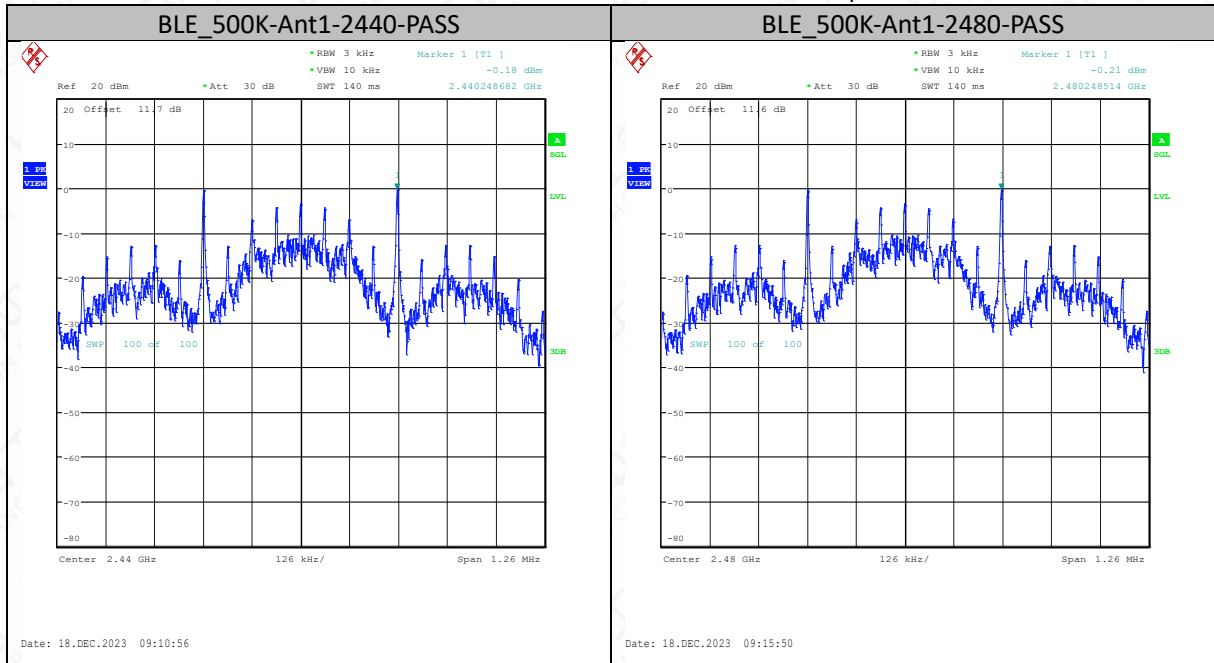
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	4.51	≤8.00	PASS
BLE_1M	Ant1	2440	4.60	≤8.00	PASS
BLE_1M	Ant1	2480	4.60	≤8.00	PASS
BLE_2M	Ant1	2402	0.91	≤8.00	PASS
BLE_2M	Ant1	2440	0.96	≤8.00	PASS
BLE_2M	Ant1	2480	-6.96	≤8.00	PASS
BLE_125K	Ant1	2402	-0.21	≤8.00	PASS
BLE_125K	Ant1	2440	-0.12	≤8.00	PASS
BLE_125K	Ant1	2480	-0.18	≤8.00	PASS
BLE_500K	Ant1	2402	-0.27	≤8.00	PASS
BLE_500K	Ant1	2440	-0.18	≤8.00	PASS
BLE_500K	Ant1	2480	-0.21	≤8.00	PASS

Test Graphs









6.4 6dB Bandwidth

6.4.1 Measurement Limit

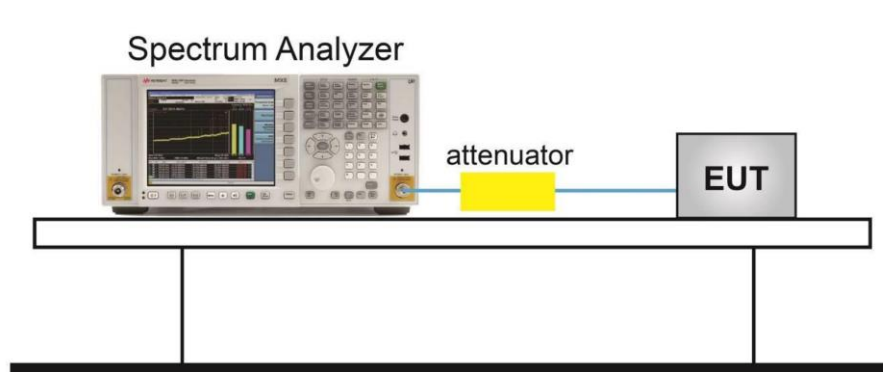
Standard	Limit
FCC 47 Part 15.247 (a) (2)	$\geq 500\text{kHz}$

6.4.2 Test procedures

The measurement is according to ANSI C63.10 clause 11.8.

1. The output power of EUT was connected to the spectrum analyzer. The path loss was compensated to the results for each measurement.
2. Enable EUT transmitter maximum power continuously.
3. Set RBW = 100 kHz.
4. Set the VBW $\geq [3 \times \text{RBW}]$.
5. Detector = peak.
6. Trace mode = max hold.
7. Sweep = auto couple.
8. Allow the trace to stabilize.
9. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

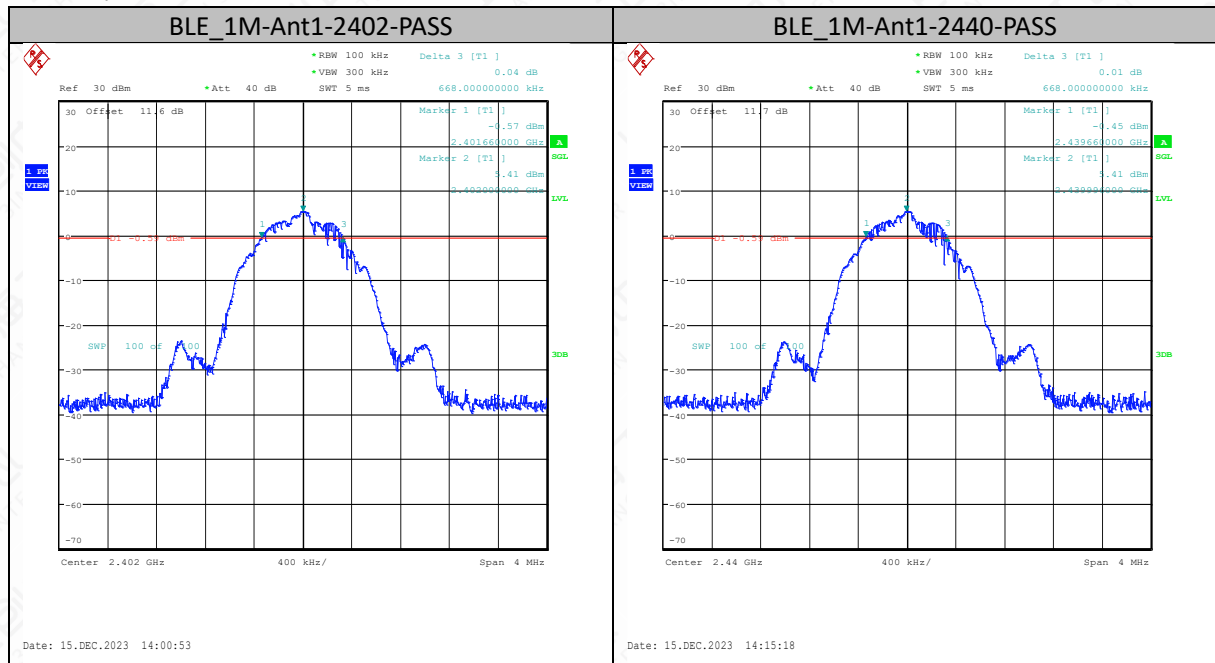
6.4.3 Test Setup

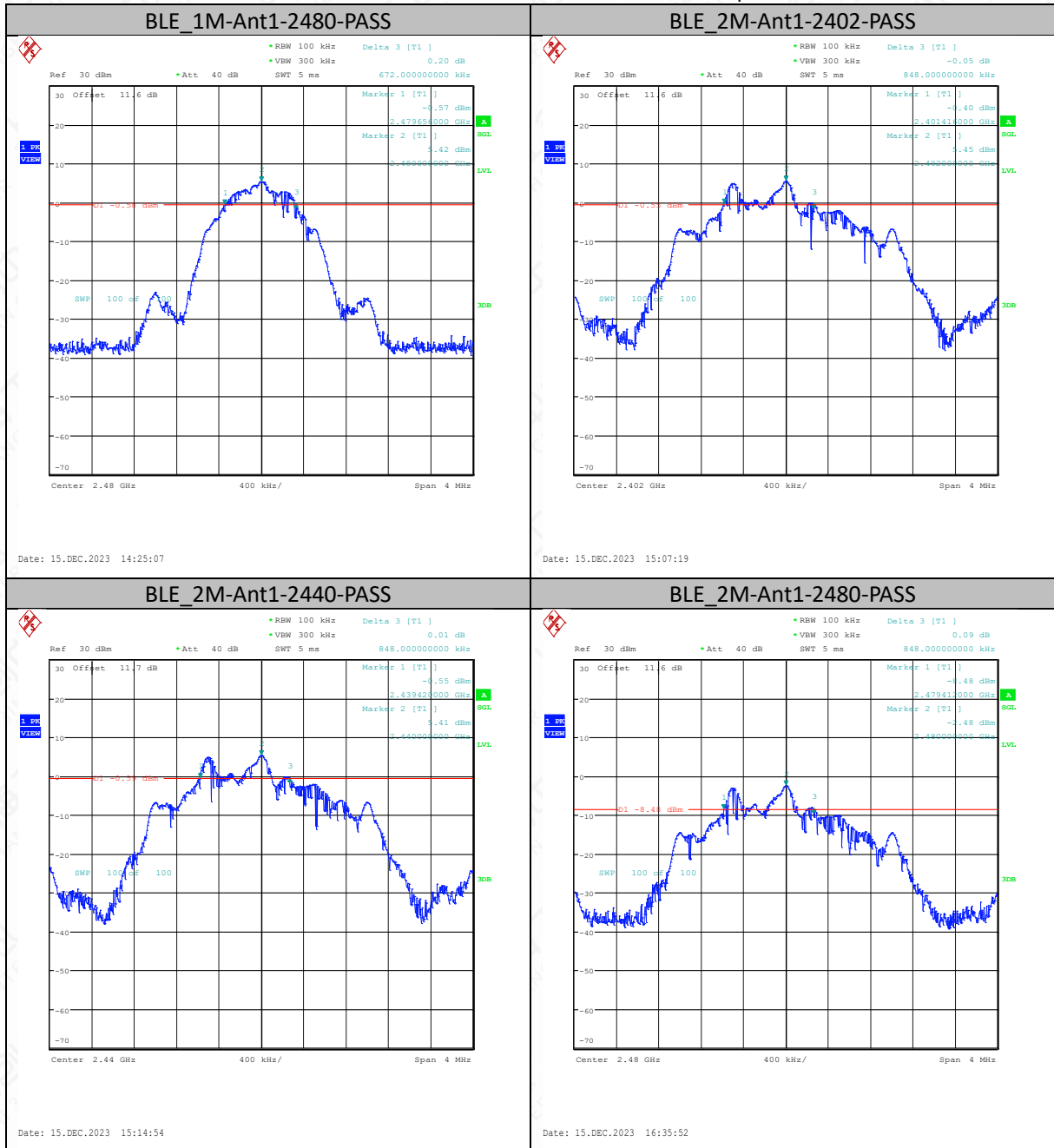


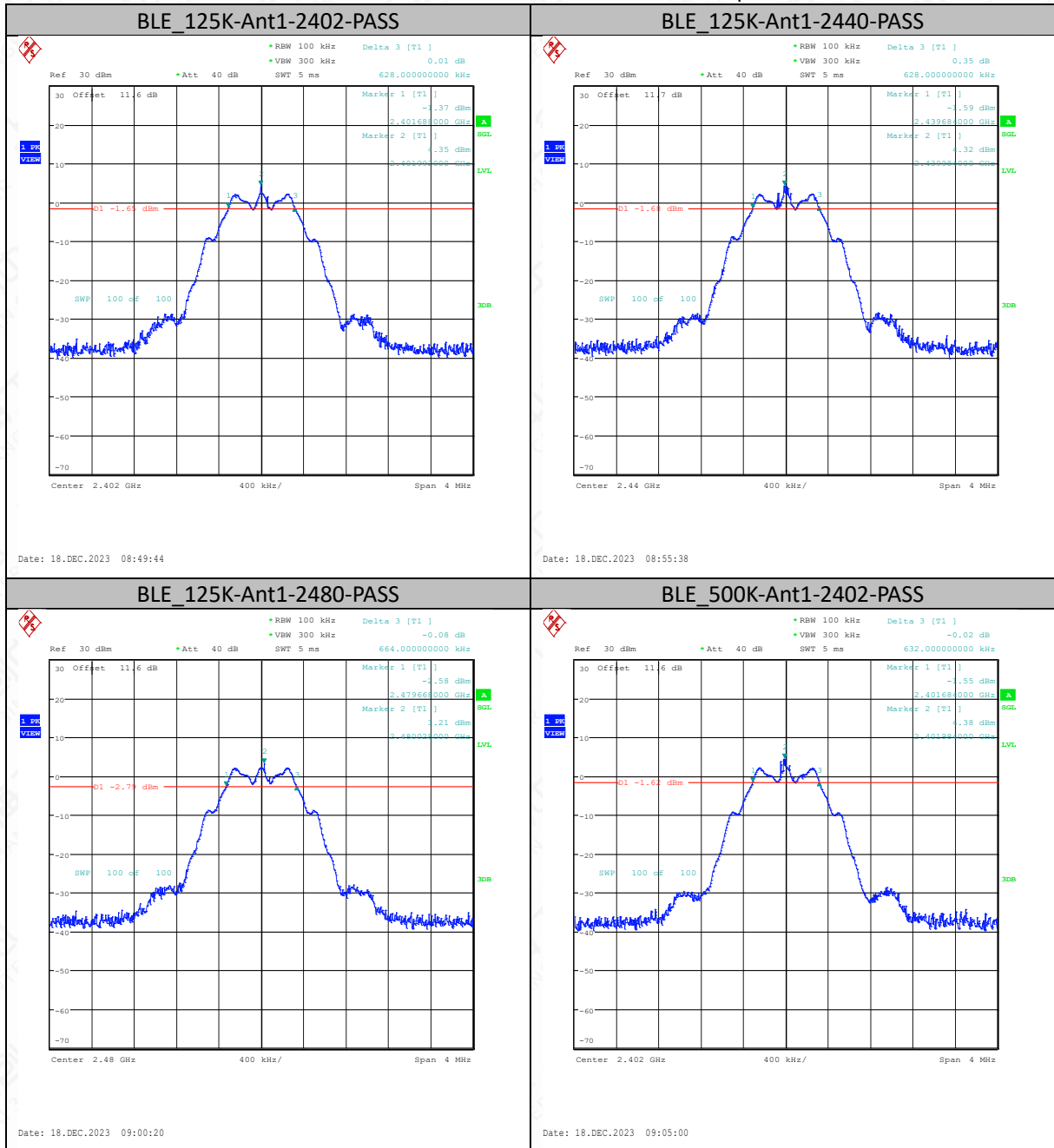
6.4.4 Measurement Result

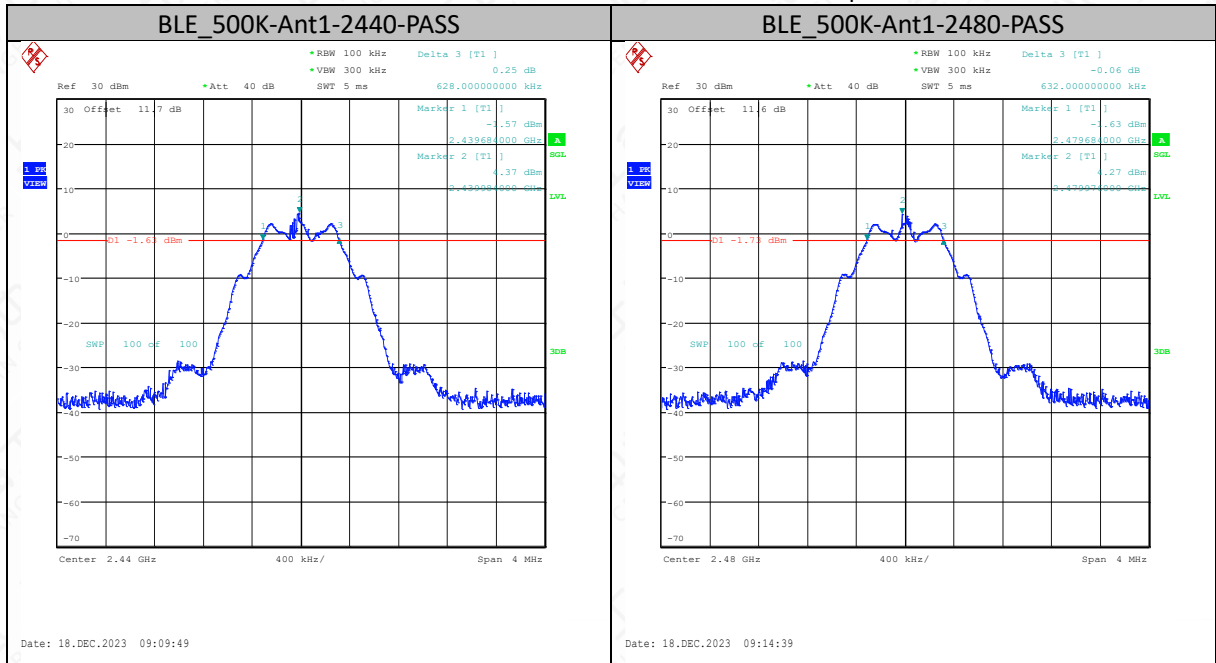
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.67	2401.66	2402.33	0.5	PASS
BLE_1M	Ant1	2440	0.67	2439.66	2440.33	0.5	PASS
BLE_1M	Ant1	2480	0.67	2479.66	2480.33	0.5	PASS
BLE_2M	Ant1	2402	0.85	2401.42	2402.26	0.5	PASS
BLE_2M	Ant1	2440	0.85	2439.42	2440.27	0.5	PASS
BLE_2M	Ant1	2480	0.85	2479.41	2480.26	0.5	PASS
BLE_125K	Ant1	2402	0.63	2401.69	2402.32	0.5	PASS
BLE_125K	Ant1	2440	0.63	2439.68	2440.31	0.5	PASS
BLE_125K	Ant1	2480	0.66	2479.67	2480.33	0.5	PASS
BLE_500K	Ant1	2402	0.63	2401.68	2402.32	0.5	PASS
BLE_500K	Ant1	2440	0.63	2439.68	2440.31	0.5	PASS
BLE_500K	Ant1	2480	0.63	2479.68	2480.32	0.5	PASS

Test Graphs









6.5 Frequency Band Edges-Conducted

6.5.1 Measurement Limit

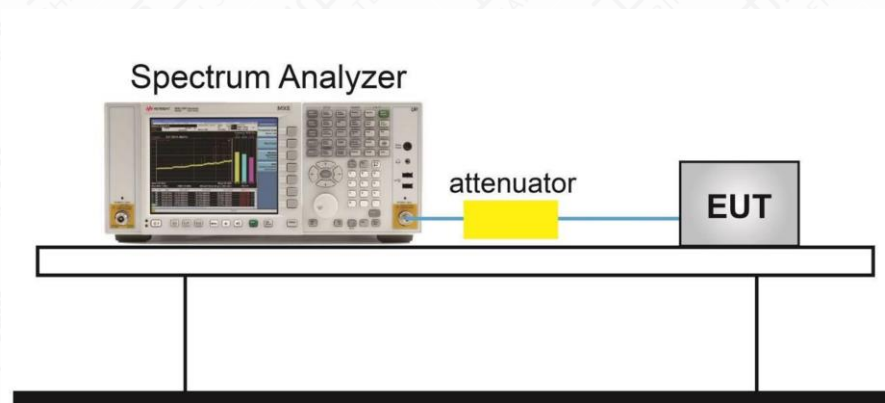
Standard	Limit(dBc)
FCC 47 Part 15.247(d)	>20

6.5.2 Test procedures

The measurement is according to ANSI C63.10 clause 11.13.2

- 1) Span: Wide enough to capture the peak level of the emission operating on the channel closest to the band edge, as well as any modulation products that fall outside of the authorized band of operation.
- 2) Reference level: As required to keep the signal from exceeding the maximum instrument input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.
- 3) Attenuation: Auto (at least 10 dB preferred).
- 4) Sweep time: Coupled.
- 5) Resolution bandwidth: 100 kHz.6) Video bandwidth: 300 kHz.7) Detector: Peak.8) Trace: Max hold.

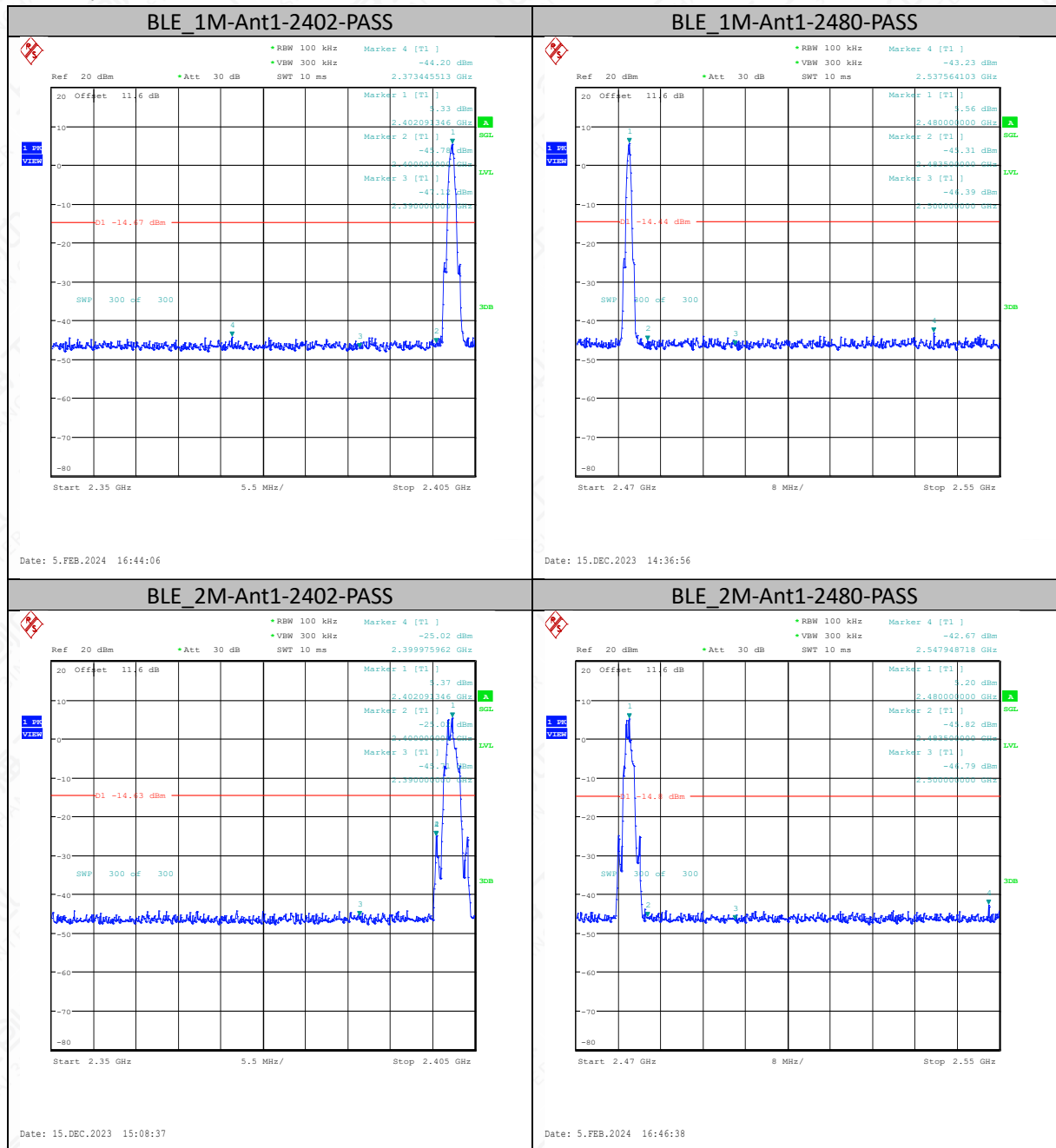
6.5.3 Test Setup

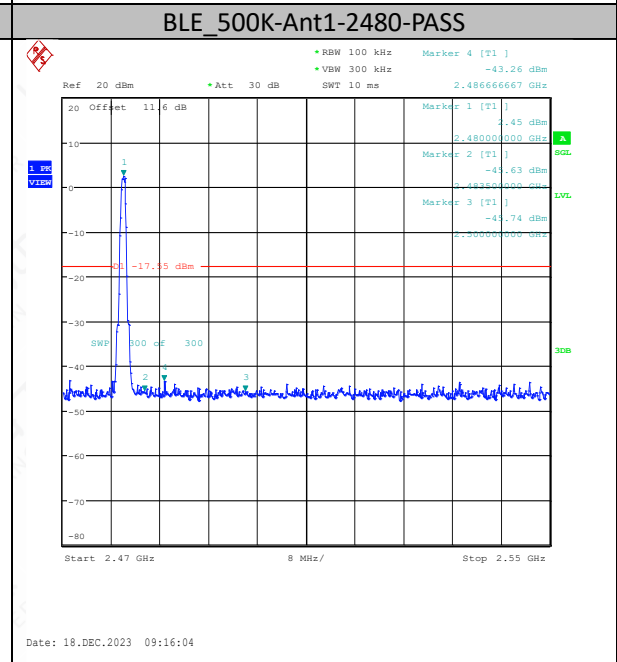
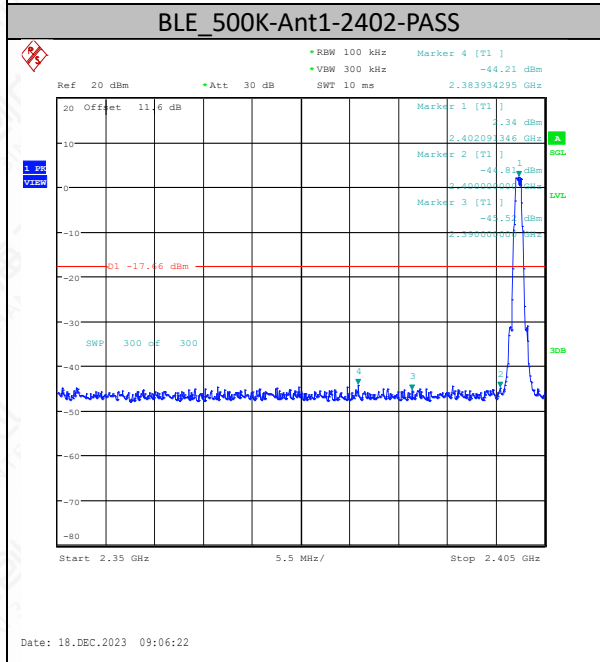
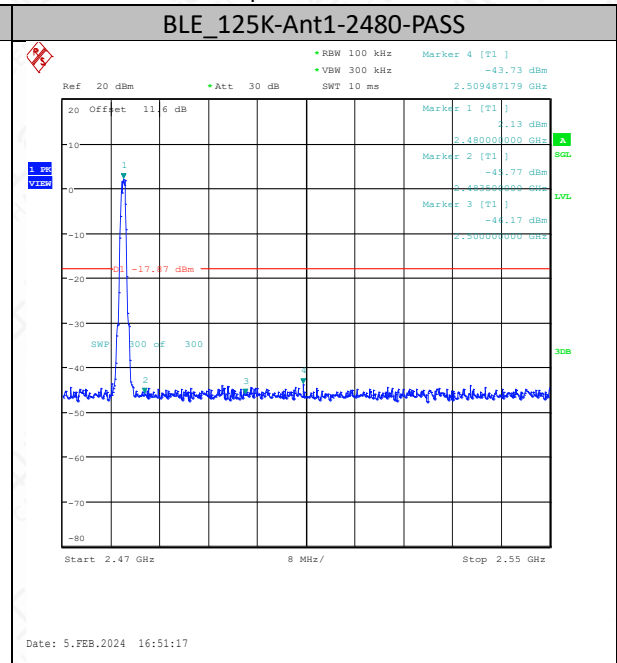
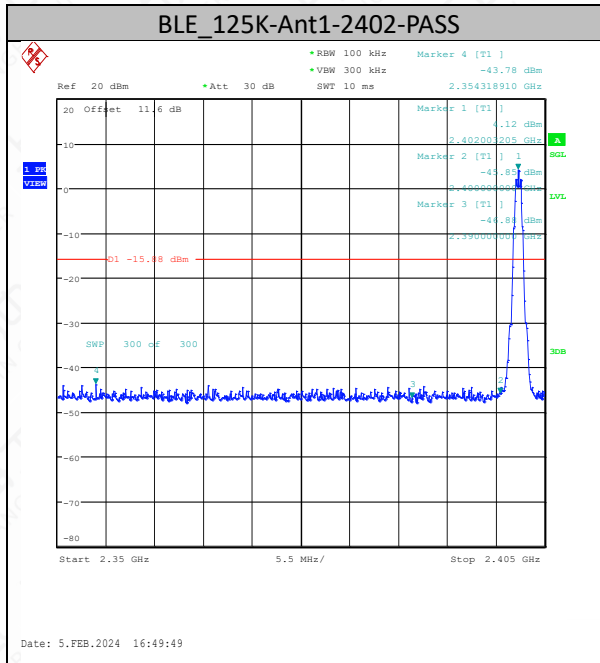


6.5.4 Measurement Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.33	-44.2	≤-14.67	PASS
BLE_1M	Ant1	High	2480	5.56	-43.23	≤-14.44	PASS
BLE_2M	Ant1	Low	2402	5.37	-25.02	≤-14.63	PASS
BLE_2M	Ant1	High	2480	5.20	-42.67	≤-14.8	PASS
BLE_125K	Ant1	Low	2402	4.12	-43.78	≤-15.88	PASS
BLE_125K	Ant1	High	2480	2.13	-43.73	≤-17.87	PASS
BLE_500K	Ant1	Low	2402	2.34	-44.21	≤-17.66	PASS
BLE_500K	Ant1	High	2480	2.45	-43.26	≤-17.55	PASS

Test Graphs





6.6 Conducted Emission

6.6.1 Measurement Limit

Standard	Limit(dBc)
FCC 47 Part 15.247(d)	20dB below peak output power in 100KHz bandwidth

6.6.2 Test procedures

This measurement is according to ANSI C63.10 clause 11.11.

1. The output power of EUT was connected to the spectrum analyzer. The path loss was compensated to the results for each measurement.
2. Enable EUT transmitter maximum power continuously.

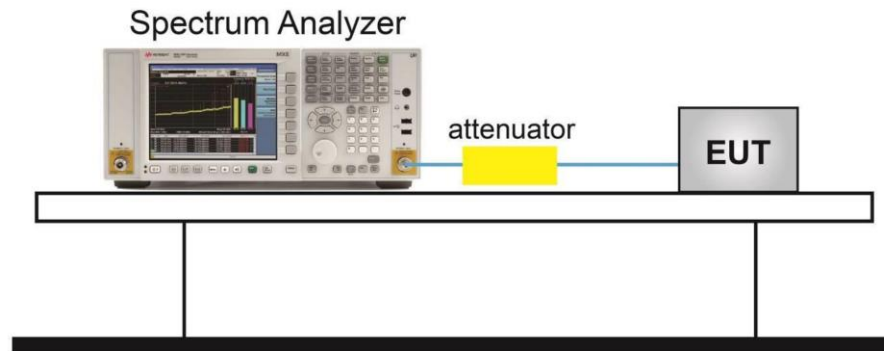
Reference level measurement

3. Set instrument center frequency to DTS channel center frequency.
4. Set the span to ≥ 1.5 times the DTS bandwidth.
5. Set the RBW = 100 kHz.
6. Set the VBW $\geq [3 \times \text{RBW}]$.
7. Detector = peak.
8. Sweep time = auto couple.
9. Trace mode = max hold.
10. Allow trace to fully stabilize.
11. Use the peak marker function to determine the maximum PSD level.

Emission level measurement

1. Set the center frequency and span to encompass frequency range to be measured.
2. Set the RBW = 100 kHz.
3. Set the VBW $\geq [3 \times \text{RBW}]$.
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 amplitude level.

6.6.3 Test Setup

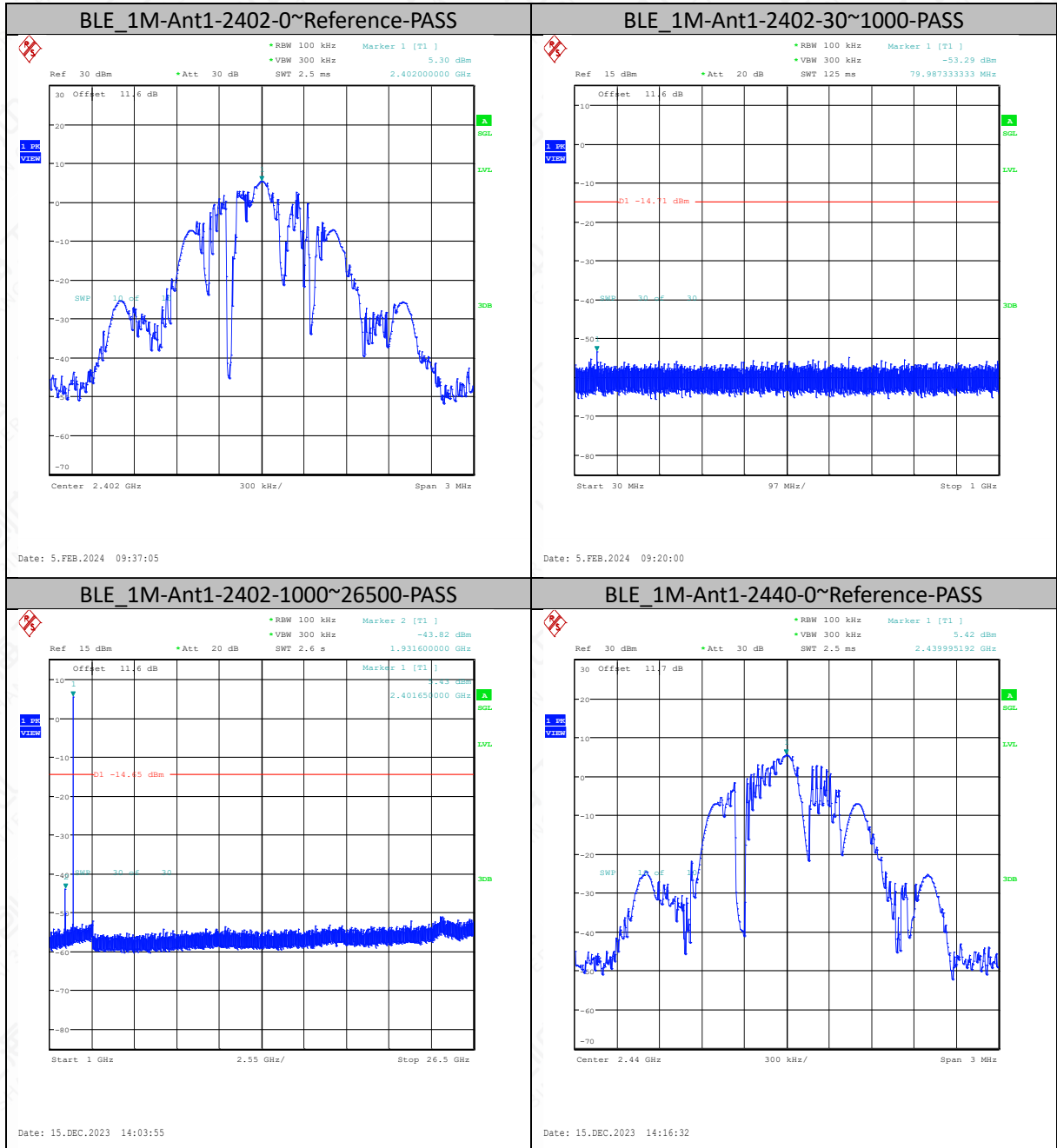


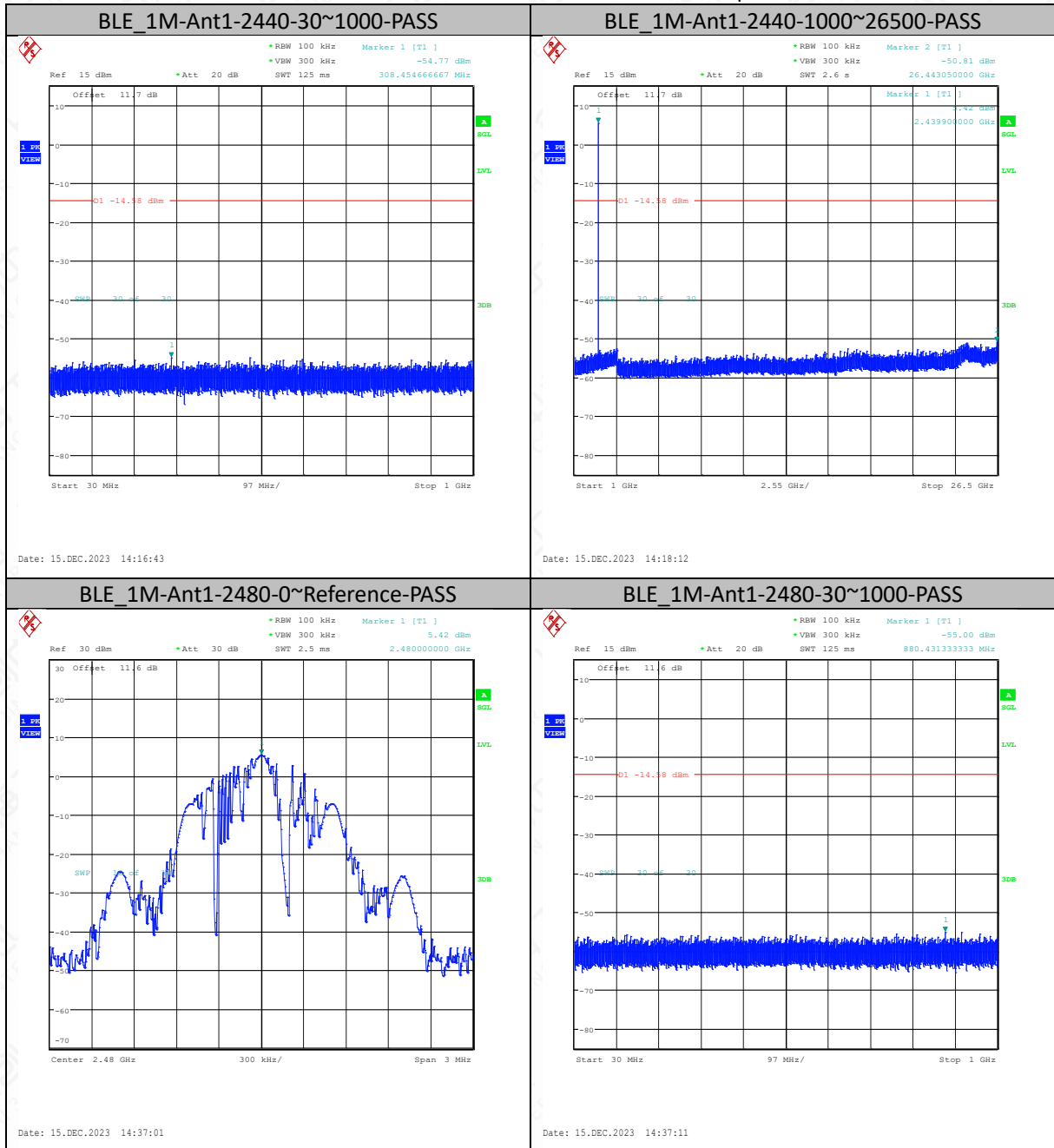
6.6.4 Measurement Result

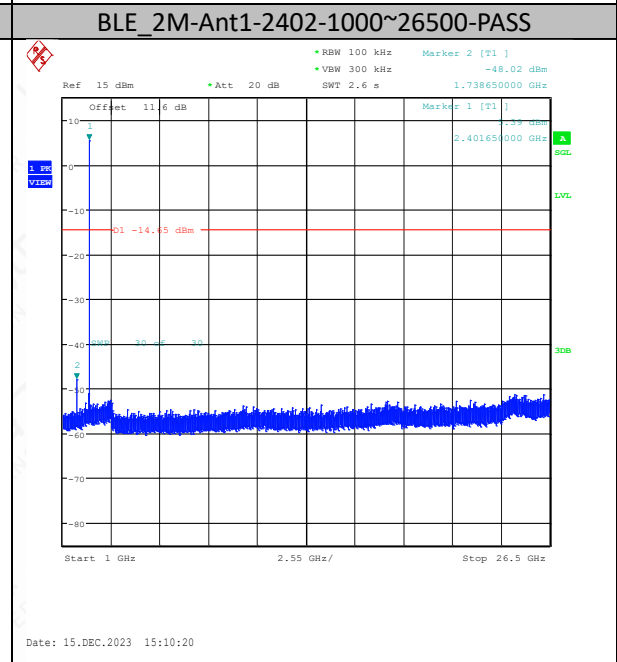
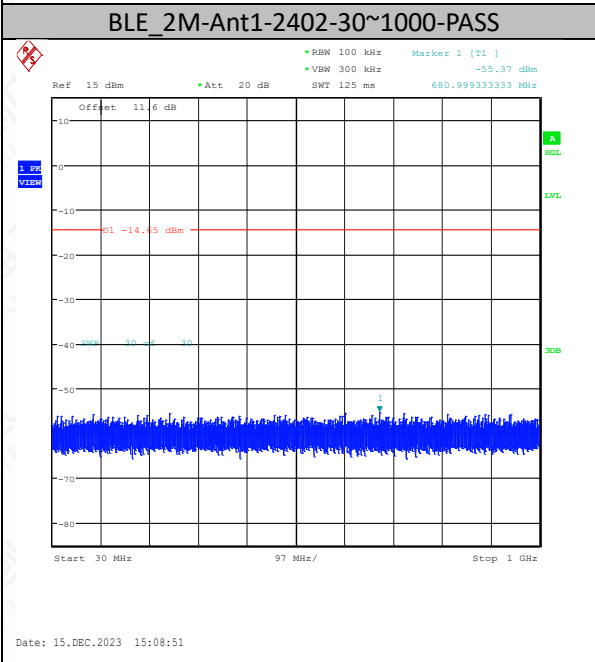
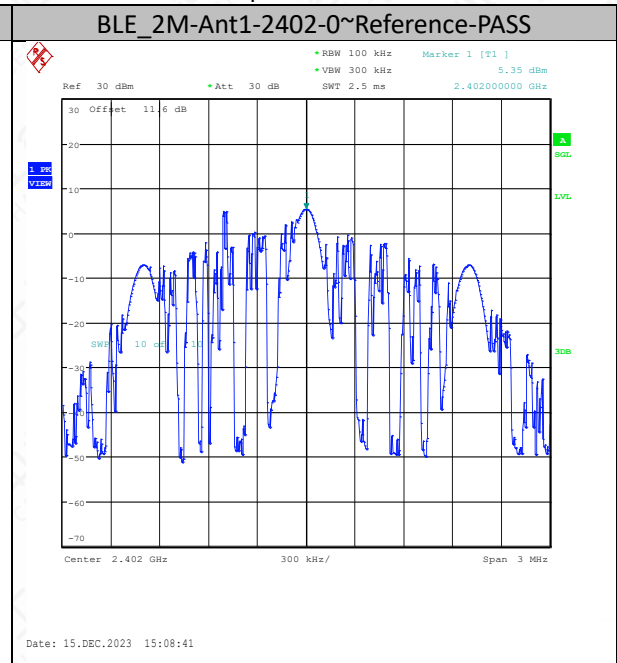
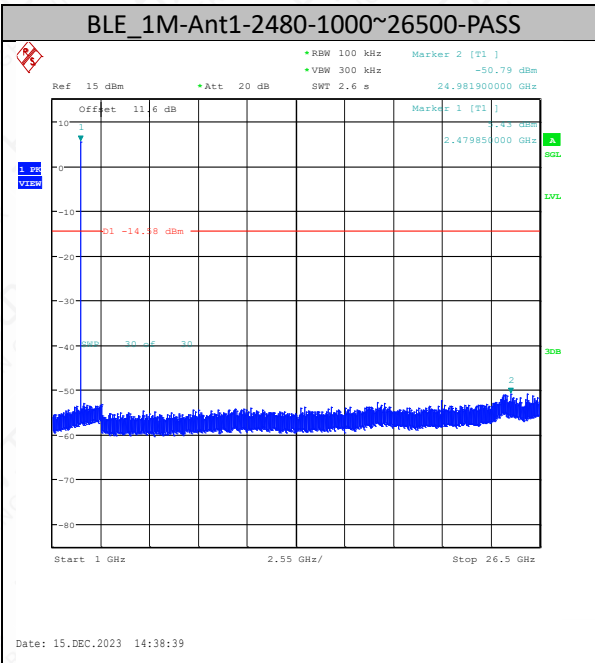
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	5.30	5.30	---	PASS
BLE_1M	Ant1	2402	30~1000	5.29	-53.29	≤-14.71	PASS
BLE_1M	Ant1	2402	1000~26500	5.35	-43.82	≤-14.65	PASS
BLE_1M	Ant1	2440	0~Reference	5.42	5.42	---	PASS
BLE_1M	Ant1	2440	30~1000	5.42	-54.77	≤-14.58	PASS
BLE_1M	Ant1	2440	1000~26500	5.42	-50.81	≤-14.58	PASS
BLE_1M	Ant1	2480	0~Reference	5.42	5.42	---	PASS
BLE_1M	Ant1	2480	30~1000	5.42	-55	≤-14.58	PASS
BLE_1M	Ant1	2480	1000~26500	5.42	-50.79	≤-14.58	PASS
BLE_2M	Ant1	2402	0~Reference	5.35	5.35	---	PASS
BLE_2M	Ant1	2402	30~1000	5.35	-55.37	≤-14.65	PASS
BLE_2M	Ant1	2402	1000~26500	5.35	-48.02	≤-14.65	PASS
BLE_2M	Ant1	2440	0~Reference	5.42	5.42	---	PASS
BLE_2M	Ant1	2440	30~1000	5.42	-54.63	≤-14.58	PASS
BLE_2M	Ant1	2440	1000~26500	5.42	-50.98	≤-14.58	PASS
BLE_2M	Ant1	2480	0~Reference	5.15	5.15	---	PASS
BLE_2M	Ant1	2480	30~1000	5.15	-55.37	≤-14.85	PASS
BLE_2M	Ant1	2480	1000~26500	5.15	-50.98	≤-14.85	PASS
BLE_125K	Ant1	2402	0~Reference	2.05	2.05	---	PASS
BLE_125K	Ant1	2402	30~1000	2.05	-55.31	≤-17.95	PASS
BLE_125K	Ant1	2402	1000~26500	2.05	-46.45	≤-17.95	PASS
BLE_125K	Ant1	2440	0~Reference	2.56	2.56	---	PASS
BLE_125K	Ant1	2440	30~1000	2.56	-55.08	≤-17.44	PASS
BLE_125K	Ant1	2440	1000~26500	2.56	-51.45	≤-17.44	PASS
BLE_125K	Ant1	2480	0~Reference	2.23	2.23	---	PASS
BLE_125K	Ant1	2480	30~1000	2.23	-55.18	≤-17.77	PASS
BLE_125K	Ant1	2480	1000~26500	2.23	-51.02	≤-17.77	PASS
BLE_500K	Ant1	2402	0~Reference	1.87	1.87	---	PASS
BLE_500K	Ant1	2402	30~1000	1.87	-54.8	≤-18.13	PASS
BLE_500K	Ant1	2402	1000~26500	1.87	-49.12	≤-18.13	PASS
BLE_500K	Ant1	2440	0~Reference	3.54	3.54	---	PASS
BLE_500K	Ant1	2440	30~1000	3.54	-54.71	≤-16.46	PASS
BLE_500K	Ant1	2440	1000~26500	3.54	-51.16	≤-16.46	PASS

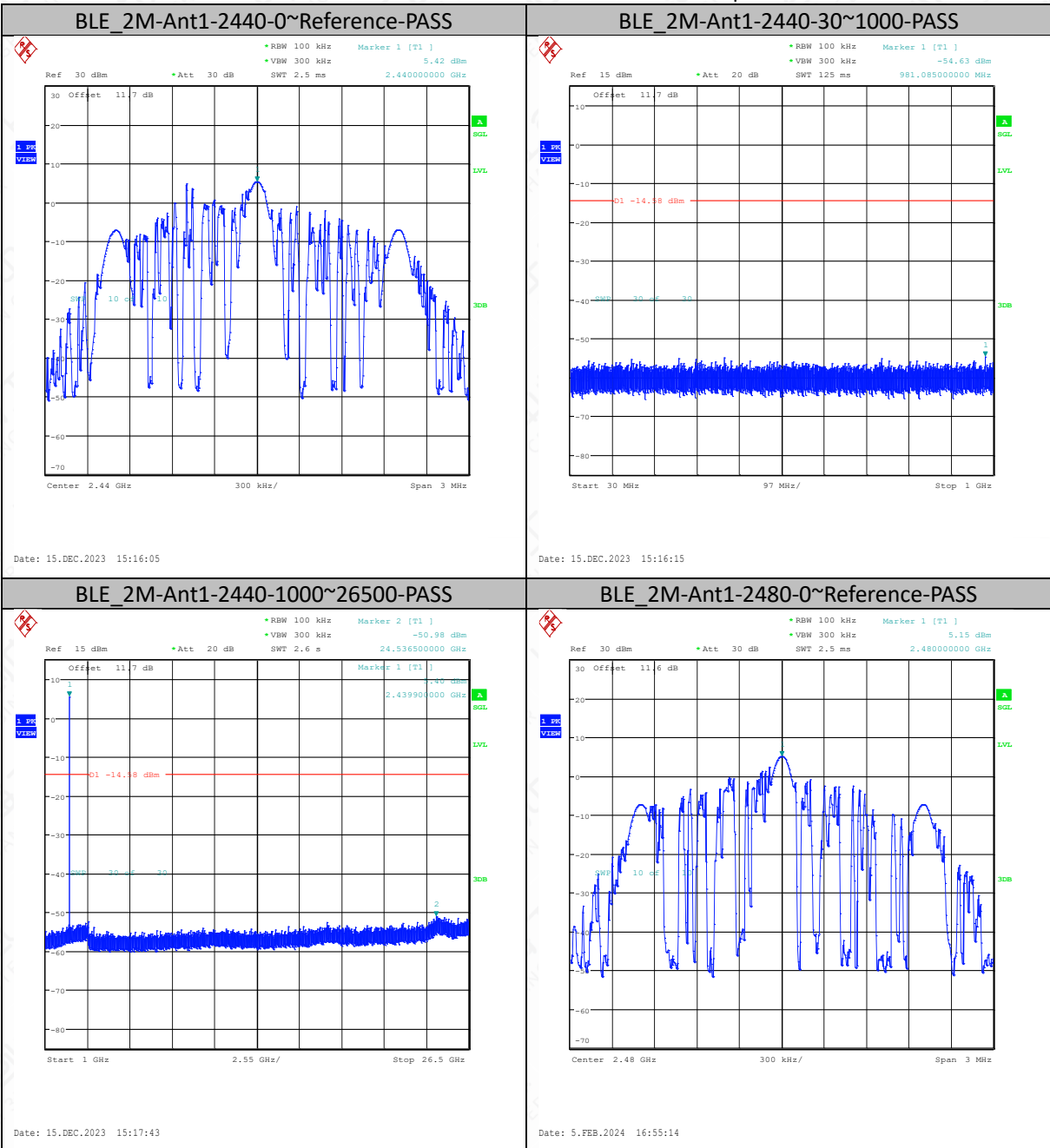
BLE_500K	Ant1	2480	0~Reference	2.10	2.10	---	PASS
BLE_500K	Ant1	2480	30~1000	2.10	-54.88	≤-17.9	PASS
BLE_500K	Ant1	2480	1000~26500	2.10	-46.86	≤-17.9	PASS

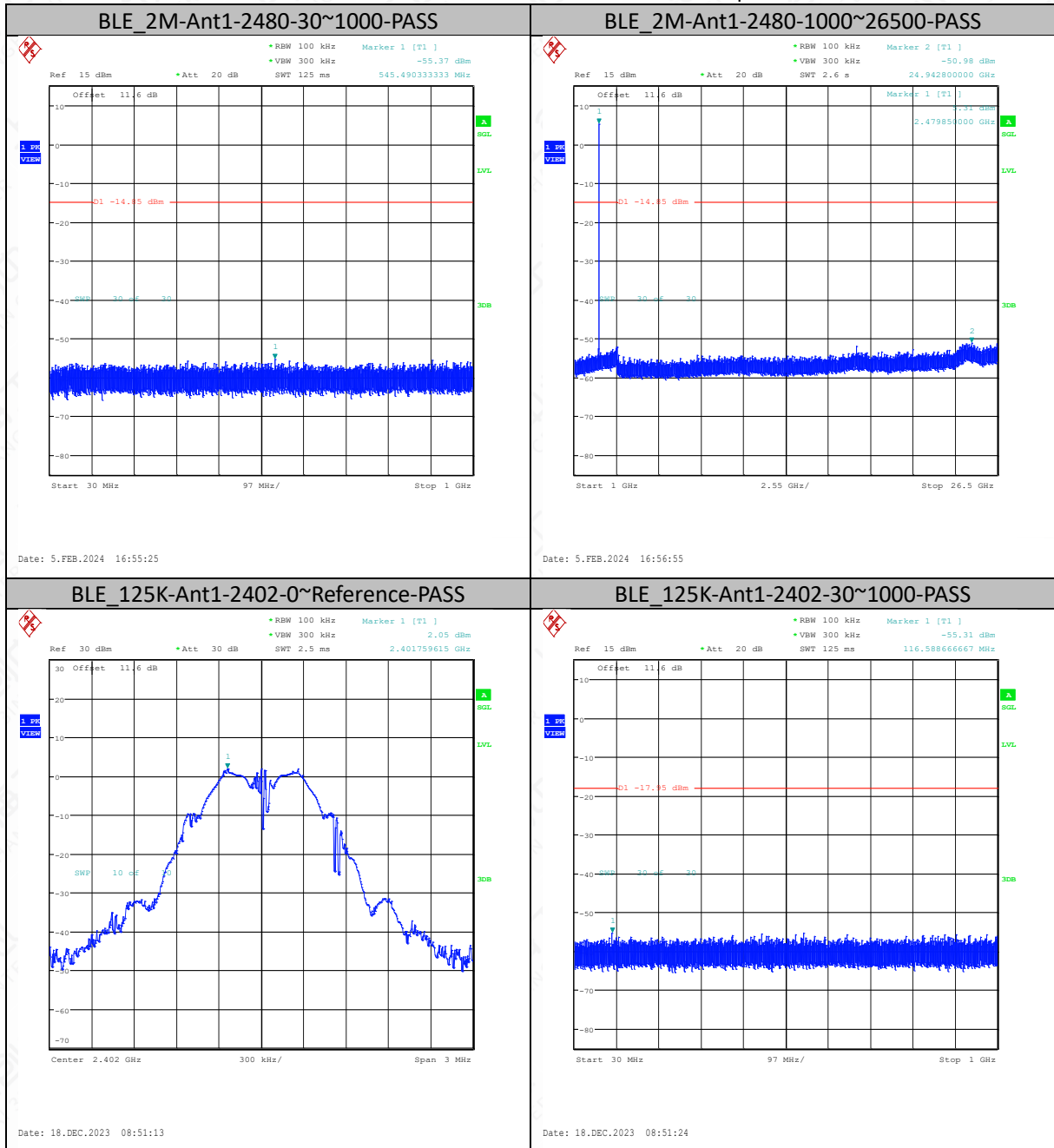
Test Graphs



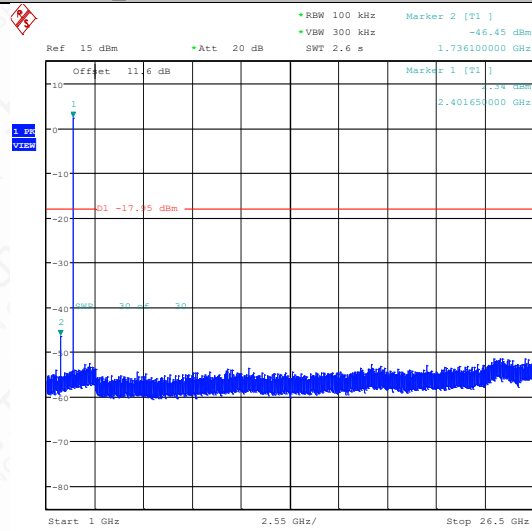






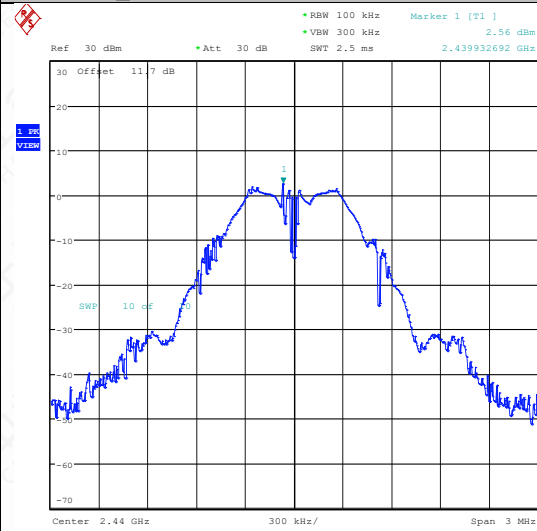


BLE_125K-Ant1-2402-1000~26500-PASS



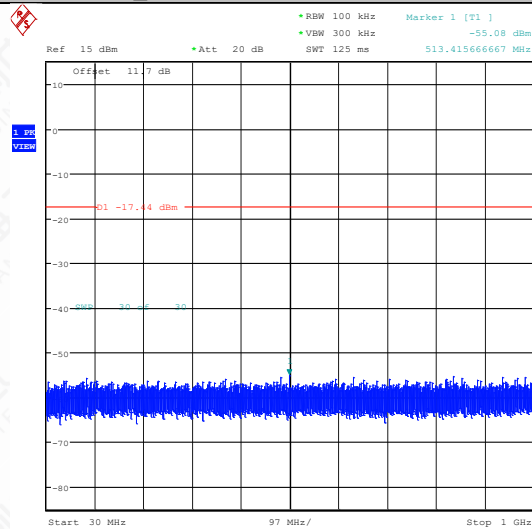
Date: 18.DEC.2023 08:52:54

BLE_125K-Ant1-2440-0~Reference-PASS



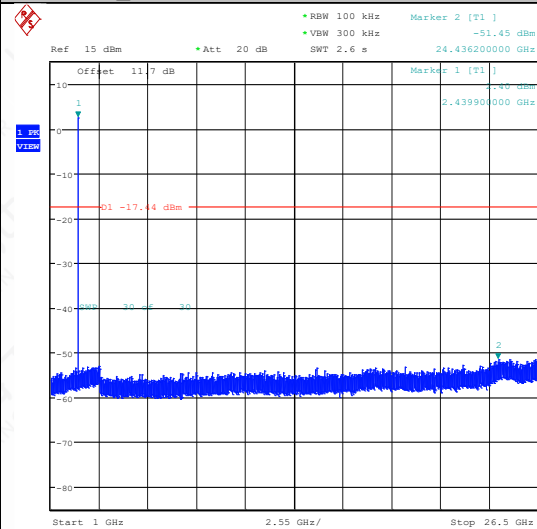
Date: 18.DEC.2023 08:56:52

BLE_125K-Ant1-2440-30~1000-PASS



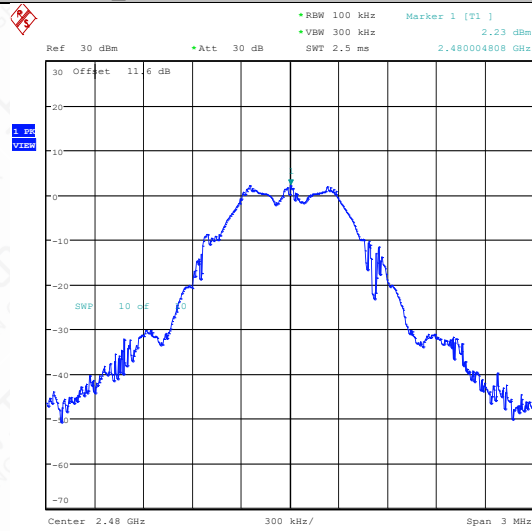
Date: 18.DEC.2023 08:57:03

BLE_125K-Ant1-2440-1000~26500-PASS



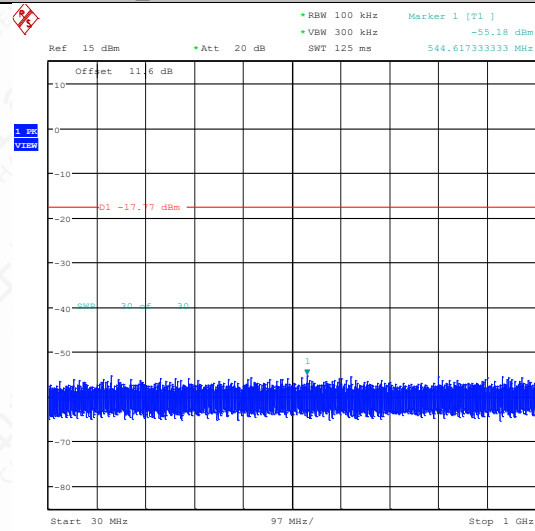
Date: 18.DEC.2023 08:58:33

BLE_125K-Ant1-2480-0~Reference-PASS



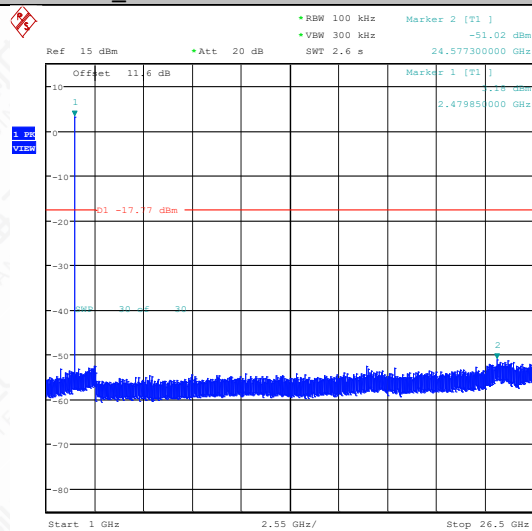
Date: 18.DEC.2023 09:01:53

BLE_125K-Ant1-2480-30~1000-PASS



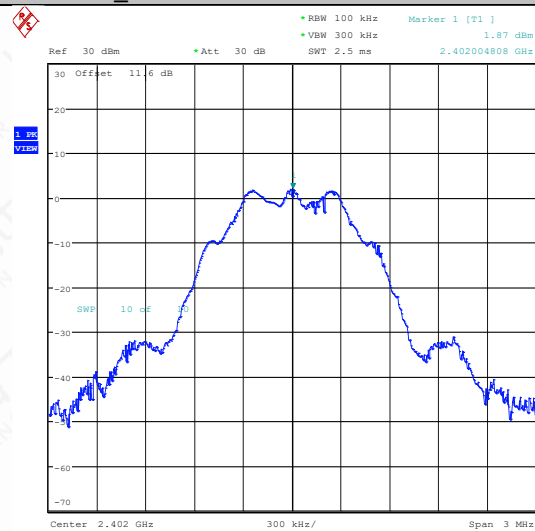
Date: 18.DEC.2023 09:02:04

BLE_125K-Ant1-2480-1000~26500-PASS

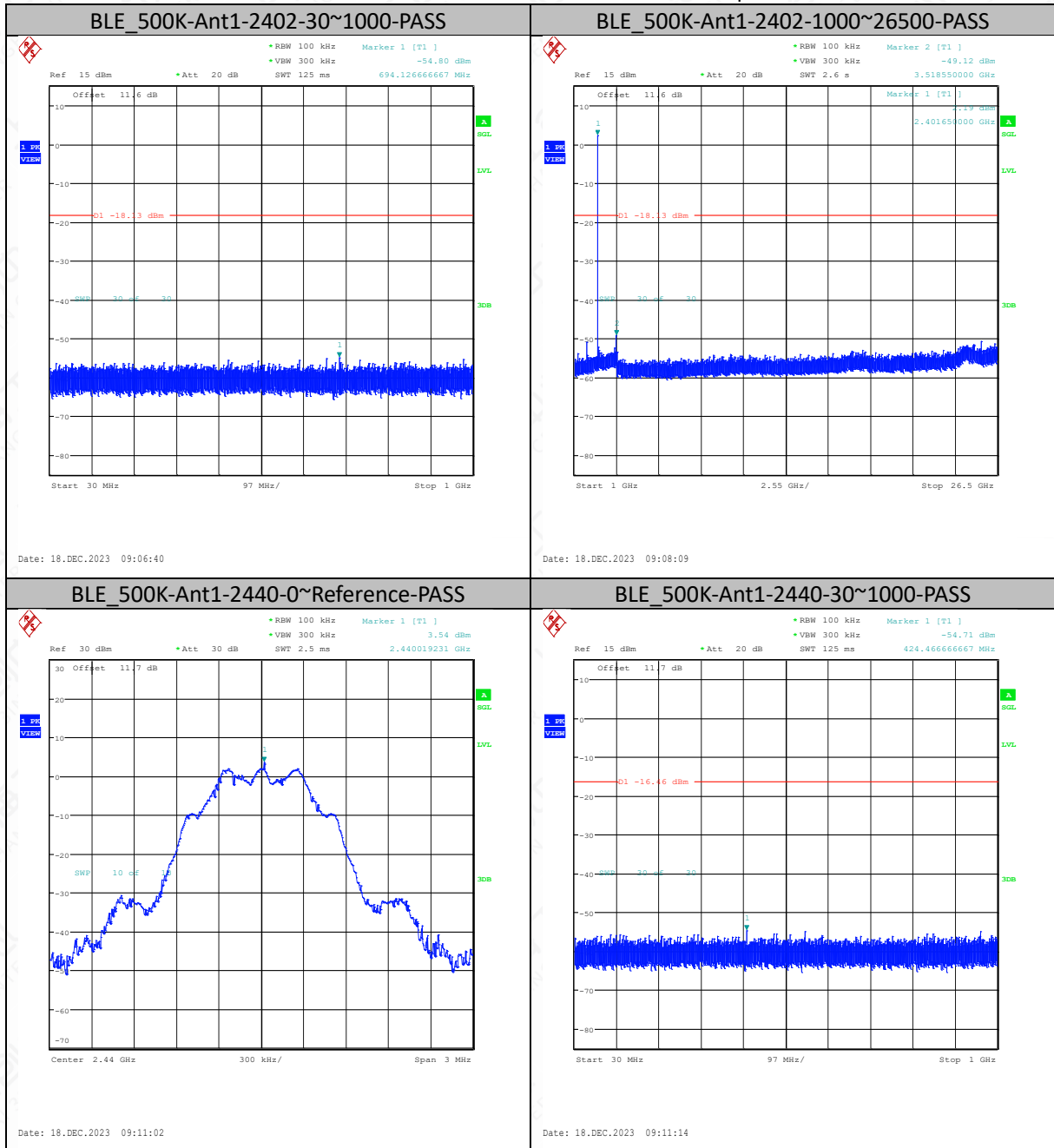


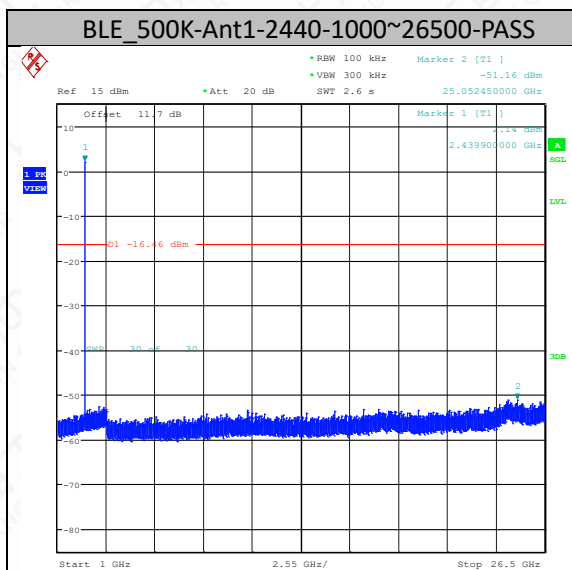
Date: 18.DEC.2023 09:03:34

BLE_500K-Ant1-2402-0~Reference-PASS

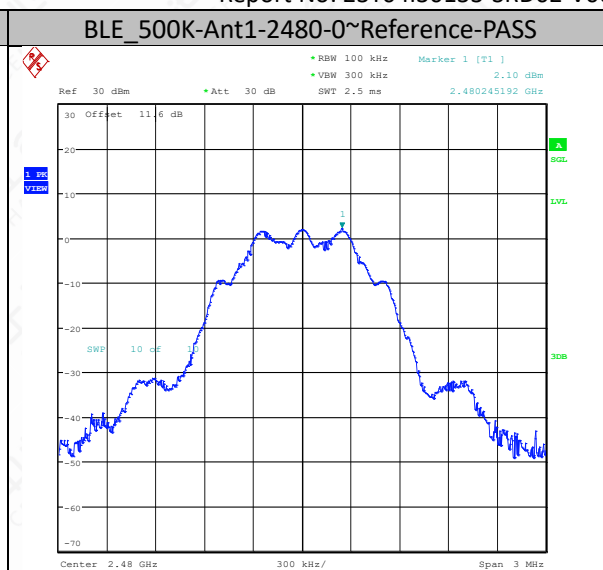


Date: 18.DEC.2023 09:06:28

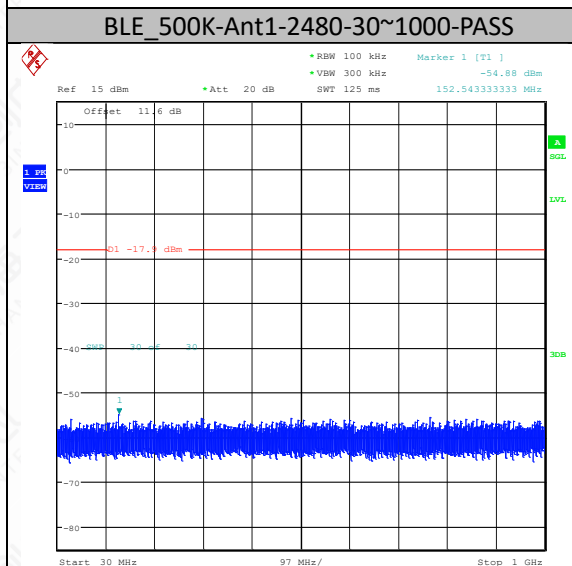




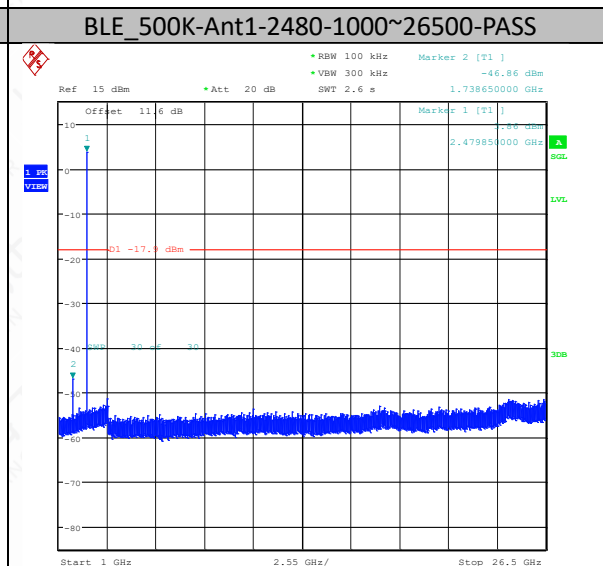
Date: 18.DEC.2023 09:12:43



Date: 18.DEC.2023 09:16:10



Date: 18.DEC.2023 09:16:21



Date: 18.DEC.2023 09:17:51

6.7 Radiated Emission

6.7.1 Measurement Limit

Standard	Limit(dBc)
FCC 47 Part 15.247(d),15.205(a),15.209(a) Part 15.247(d),15.205(a),15.209(a)	20dB below peak output power

In addition, radiated emissions which fall in the restricted bands, as defined in 15.205(a), must also comply with the radiated emission limits specified in 15.209(a) (see 15.205(c)).

Limit in restricted band

Frequency of emission (MHz)	Field strength (mV/m)	Field strength (dBuV/m)
0.009~0.49	2400/F (kHz)	129-94
0.49~1.705	24000/F (kHz)	74-63
1.705~30	30	70
30~88	100	40
88~216	150	43.5
216~960	200	46
Above 960	500	54

6.7.2 Test Method

Portable, small, lightweight, or modular devices that may be handheld, worn on the body, or placed on a table during operation shall be positioned on a non-conducting platform, the top of which is 80 cm above the reference ground plane. The preferred area occupied by the EUT arrangement is 1 m by 1.5 m, but it may be larger or smaller to accommodate various sized EUTs. For testing purposes, ceiling- and wall-mounted devices also shall be positioned on a tabletop (see also ANSI C63.10-2013 section 6.3.4 and 6.3.5). In making any tests involving handheld, body-worn, or ceiling-mounted equipment, it is essential to recognize that the measured levels may be dependent on the orientation (attitude) of the three orthogonal axes of the EUT. Thus, exploratory tests as specified in 8.3.1 shall be carried out for various axes orientations to determine the attitude having maximum or near-maximum emission level.

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

Test Settings – Below 1GHz (Quasi-Peak Field Strength Measurements)

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 = quasi-peak.
5. Sweep time = auto couple.
6. Trace mode = max hold.
7. Trace was allowed to stabilize.

Test Settings – Above 1GHz (Peak Field Strength Measurements)

1. Set the center frequency and span to encompass frequency range to be measured.

2. Set the RBW = 1MHz.
3. Set the VBW = 3MHz.
4. Detector = peak
5. Trace mode = max hold
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces.

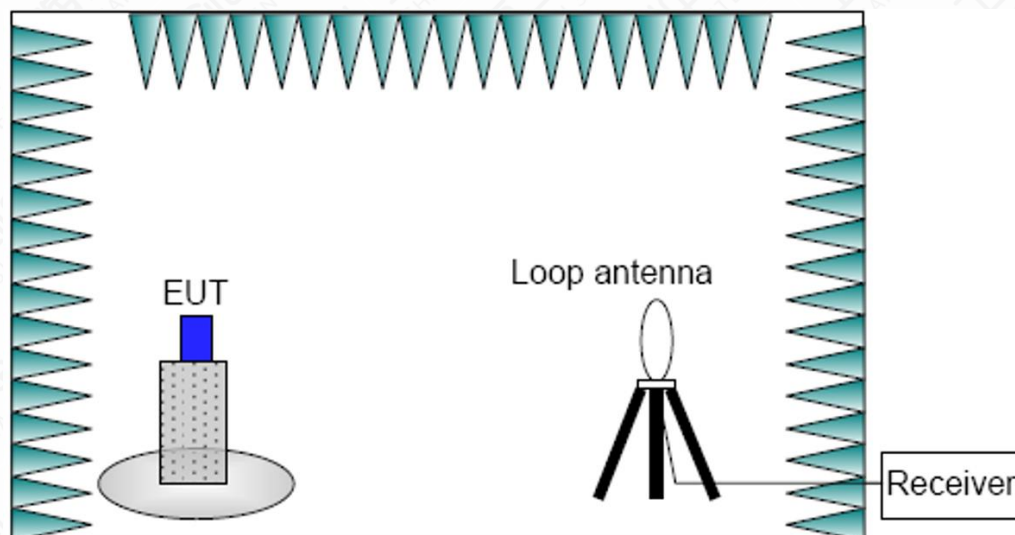
Test Settings – Above 1GHz (Average Field Strength Measurements)

1. Set the center frequency and span to encompass frequency range to be measured.
2. Set the RBW = 1MHz.
3. Set the VBW = 3MHz.
4. Detector = power average (RMS).
5. Number of measurement points = 1001 (Number of points must be $\geq 2 \times \text{span} \backslash \text{RBW}$)
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces.

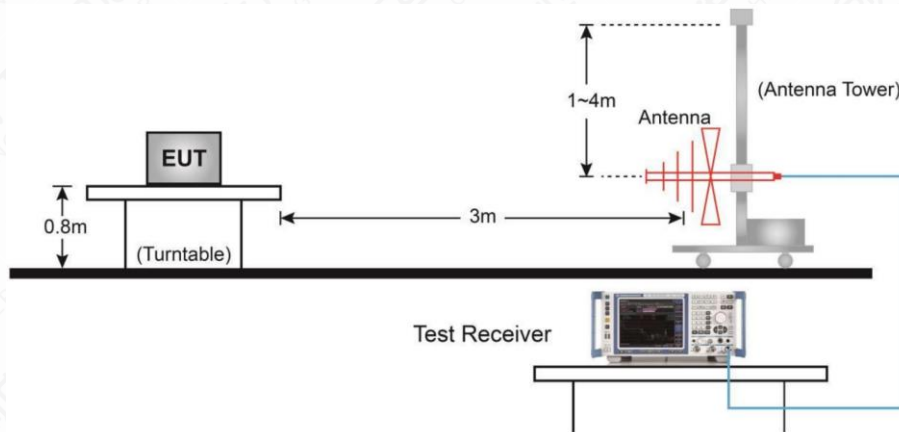
Frequency of emission (MHz)	RBW/VBW	Sweep Time (s)
0.009~30	9KHz/30KHz	Auto
30~1000	100KHz/300KHz	5
1000~4000	1MHz/3MHz	15
4000~18000	1MHz/3MHz	40
18000~26500	1MHz/3MHz	20

6.7.3 Test Setup

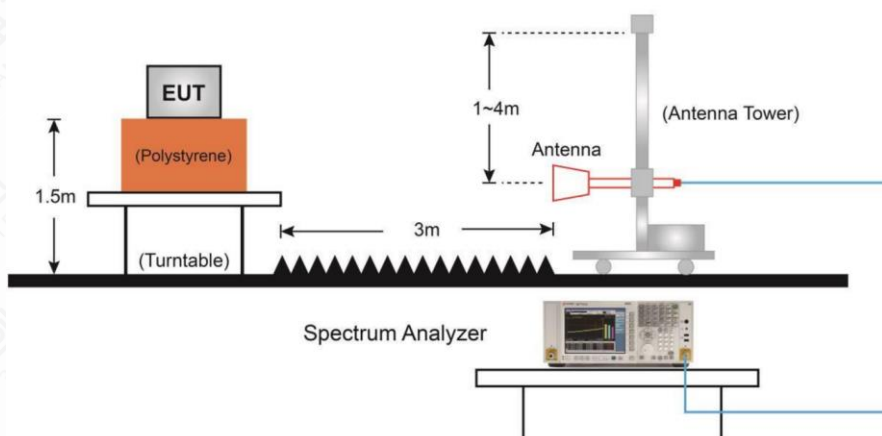
Below 30MHz Test Setup



Below 1GHz Test Setup



Above 1GHz Test Setup



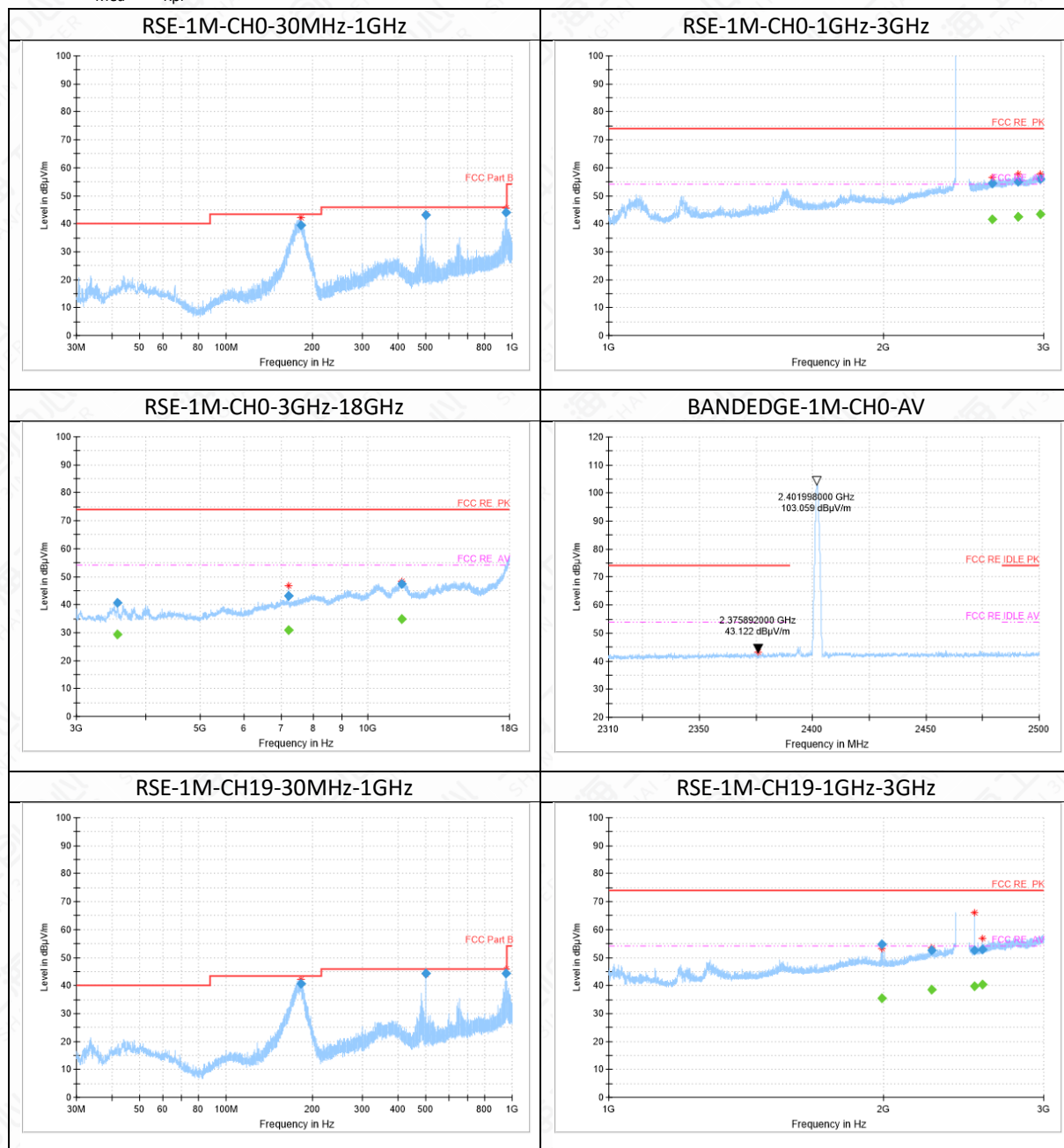
6.7.4 Measurement Results

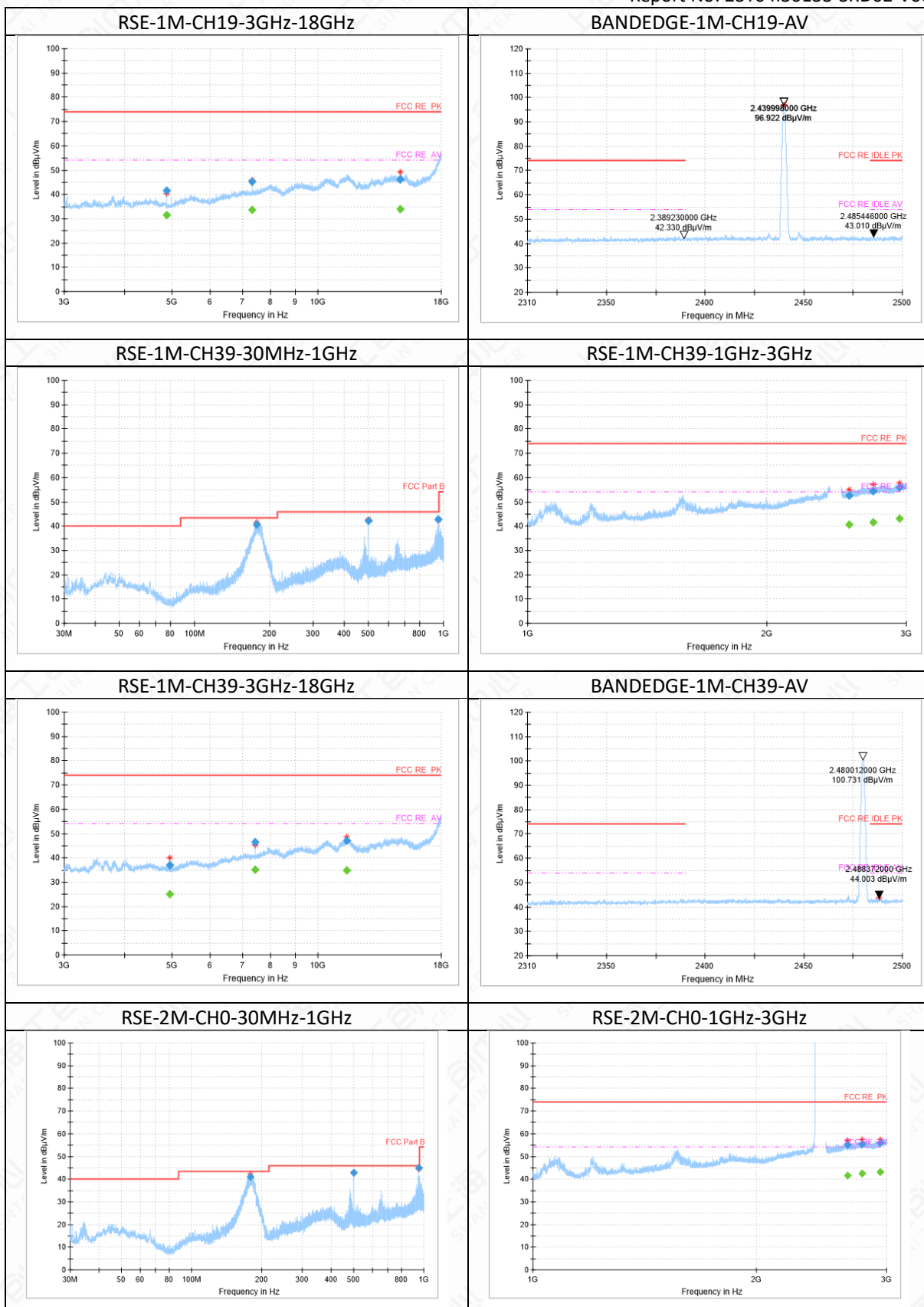
A “reference path loss” is established and AR_{pi} is the attenuation of “reference path loss”, and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

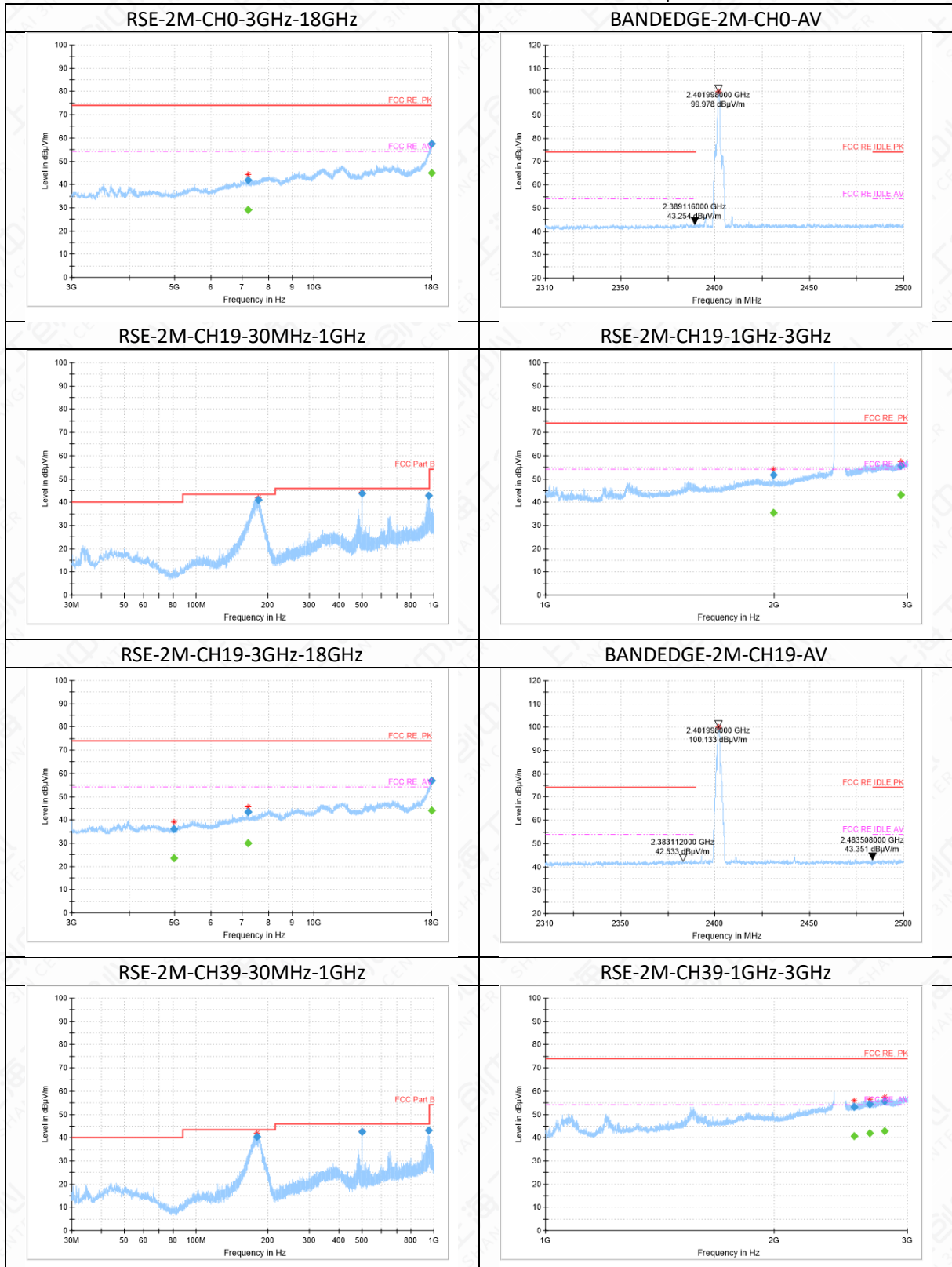
The measurement results are obtained as described below:

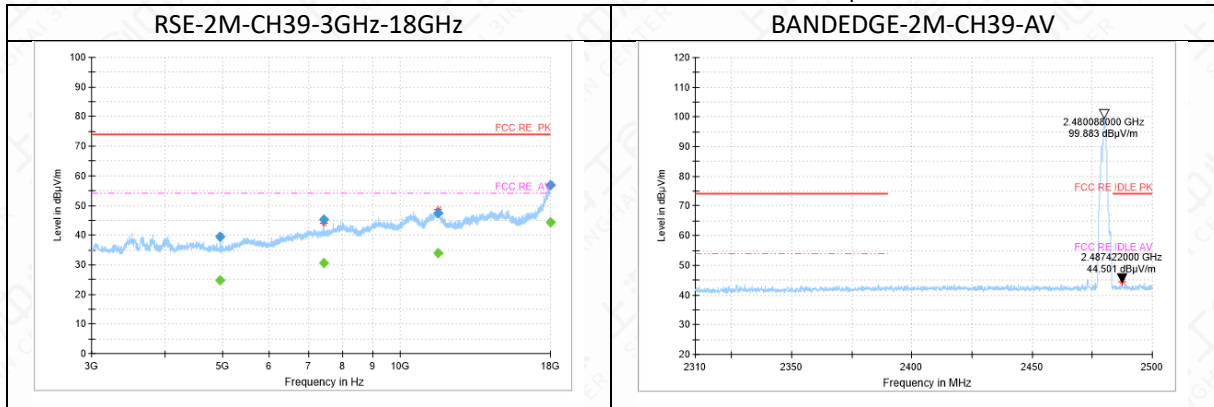
$AR_{pi} = \text{Cable loss} + \text{Antenna Factor} - \text{Preamplifier gain}$

$\text{Result} = P_{\text{Mea}} + AR_{pi}$









RSE-1M-CH0-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2634.8	54.5	17	37.5	19.50	74.00	V
2810.9	55.12	18	37.12	18.88	74.00	V
2973.4	55.83	19	36.83	18.17	74.00	V

RSE-1M-CH0-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2634.8	41.74	17	24.74	12.26	54.00	V
2810.9	42.48	18	24.48	11.52	54.00	V
2973.4	43.46	19	24.46	10.54	54.00	V

RSE-1M-CH0-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
3560.6	40.74	-10	50.74	33.26	74.00	V
7205.6	43.03	-2	45.03	30.97	74.00	V
11513.9	47.47	5	42.47	26.53	74.00	V

RSE-1M-CH0-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
3560.6	29.25	-10	39.25	24.75	54.00	V
7205.6	30.85	-2	32.85	23.15	54.00	V
11513.9	34.88	5	29.88	19.12	54.00	V

RSE-1M-CH0-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
183.4	39.31	-14	53.31	4.19	43.50	H
500.0	43.15	-6	49.15	2.85	46.00	H
949.9	44.02	1	43.02	1.98	46.00	H

RSE-1M-CH19-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
1992.2	54.8	11	43.8	19.20	74.00	V
2260.7	52.49	14	38.49	21.51	74.00	V
2517.4	52.47	15	37.47	21.53	74.00	H

2568.7	53.03	16	37.03	20.97	74.00	H
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RSE-1M-CH19-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
1992.2	35.51	11	24.51	18.49	54.00	V
2260.7	38.64	14	24.64	15.36	54.00	V
2517.4	39.81	15	24.81	14.19	54.00	H
2568.7	40.23	16	24.23	13.77	54.00	H

RSE-1M-CH19-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
4879.8	41.62	-6	47.62	32.38	74.00	H
7320.5	45.36	-2	47.36	28.64	74.00	V
14826.5	46.33	7	39.33	27.67	74.00	V

RSE-1M-CH19-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
4879.8	31.47	-6	37.47	22.54	54.00	H
7320.5	33.76	-2	35.76	20.24	54.00	V
14826.5	34.04	7	27.04	19.96	54.00	V

RSE-1M-CH19-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
182.9	40.8	-14	54.8	2.70	43.50	H
500.0	44.36	-6	50.36	1.64	46.00	H
949.8	44.38	1	43.38	1.62	46.00	H

RSE-1M-CH39-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2542.2	52.73	16	36.73	21.27	74.00	H
2724.3	54.54	17	37.54	19.46	74.00	H
2941.7	55.91	19	36.91	18.09	74.00	H

RSE-1M-CH39-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2542.2	40.55	16	24.55	13.45	54.00	H

2724.3	41.66	17	24.66	12.34	54.00	H
2941.7	43.22	19	24.22	10.78	54.00	H

RSE-1M-CH39-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
4960.4	37.14	-5	42.14	36.86	74.00	H
7440.5	46.62	-2	48.62	27.38	74.00	V
11495.6	47.2	5	42.2	26.80	74.00	V

RSE-1M-CH39-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
4960.4	24.93	-5	29.93	29.07	54.00	H
7440.5	35.19	-2	37.19	18.81	54.00	V
11495.6	34.74	5	29.74	19.26	54.00	V

RSE-1M-CH39-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
177.1	40.61	-15	55.61	2.89	43.50	H
500.0	42.31	-6	48.31	3.69	46.00	H
949.8	42.75	1	41.75	3.25	46.00	H

RSE-2M-CH0-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
179.2	40.89	-15	55.89	2.61	43.50	H
500.0	42.81	-6	48.81	3.19	46.00	H
949.8	44.97	1	43.97	1.03	46.00	H

RSE-2M-CH0-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2659.9	54.93	17	37.93	19.07	74.00	V
2779.0	55.36	18	37.36	18.64	74.00	V
2940.3	56.06	19	37.06	17.95	74.00	H

RSE-2M-CH0-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2659.9	41.61	17	24.61	12.39	54.00	V

2779.0	42.6	18	24.6	11.40	54.00	V
2940.3	43.1	19	24.1	10.90	54.00	H

RSE-2M-CH0-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
7208.5	41.88	-2	43.88	32.12	74.00	V
17999.0	57.34	20	37.34	16.66	74.00	H

RSE-2M-CH0-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
7208.5	29.05	-2	31.05	24.95	54.00	V
17999.0	44.83	20	24.83	9.17	54.00	H

RSE-2M-CH19-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
182.3	40.9	-14	54.9	2.60	43.50	H
500.0	43.58	-6	49.58	2.42	46.00	H
953.2	42.72	1	41.72	3.28	46.00	H

RSE-2M-CH19-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
1997.4	51.62	11	40.62	22.38	74.00	V
2941.1	55.78	19	36.78	18.22	74.00	V

RSE-2M-CH19-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
1997.4	35.53	11	24.53	18.47	54.00	V
2941.1	43.02	19	24.02	10.98	54.00	V

RSE-2M-CH19-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
4986.1	36.03	-5	41.03	37.97	74.00	H
7204.8	43.29	-2	45.29	30.71	74.00	V
17978.0	56.75	19	37.75	17.25	74.00	H

RSE-2M-CH19-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
4986.1	23.64	-5	28.64	30.36	54.00	H
7204.8	30.05	-2	32.05	23.95	54.00	V
17978.0	44.13	19	25.13	9.87	54.00	H

RSE-2M-CH39-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
180.2	40.42	-14	54.42	3.08	43.50	H
500.0	42.6	-6	48.6	3.40	46.00	H
949.8	43.01	1	42.01	2.99	46.00	H

RSE-2M-CH39-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2549.9	53.34	16	37.34	20.66	74.00	V
2677.8	54.44	17	37.44	19.56	74.00	V
2799.1	55.54	18	37.54	18.46	74.00	V

RSE-2M-CH39-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2549.9	40.57	16	24.57	13.43	54.00	V
2677.8	41.9	17	24.9	12.10	54.00	V
2799.1	42.77	18	24.77	11.23	54.00	V

RSE-2M-CH39-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
4958.5	39.49	-5	44.49	34.51	74.00	H
7438.6	45.13	-2	47.13	28.87	74.00	V
11613.8	47.49	5	42.49	26.51	74.00	H
17978.9	56.84	19	37.84	17.16	74.00	H

RSE-2M-CH39-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
4958.5	24.87	-5	29.87	29.13	54.00	H
7438.6	30.63	-2	32.63	23.37	54.00	V

11613.8	33.96	5	28.96	20.04	54.00	H
17978.9	44.44	19	25.44	9.56	54.00	H

Note:

1. The out-of- limit signal in the picture is the main frequency signal.
2. Only data in worst mode is provided.
3. Sweep the whole frequency band through the range from 30MHz to the 10th harmonic of the carrier, the Emissions in the frequency band 18GHz-26.5GHz is more than 20dB below the limit are not report.
4. The test data below 30MHz is more than 20dB lower than the limit value, so it is not provided in the report.

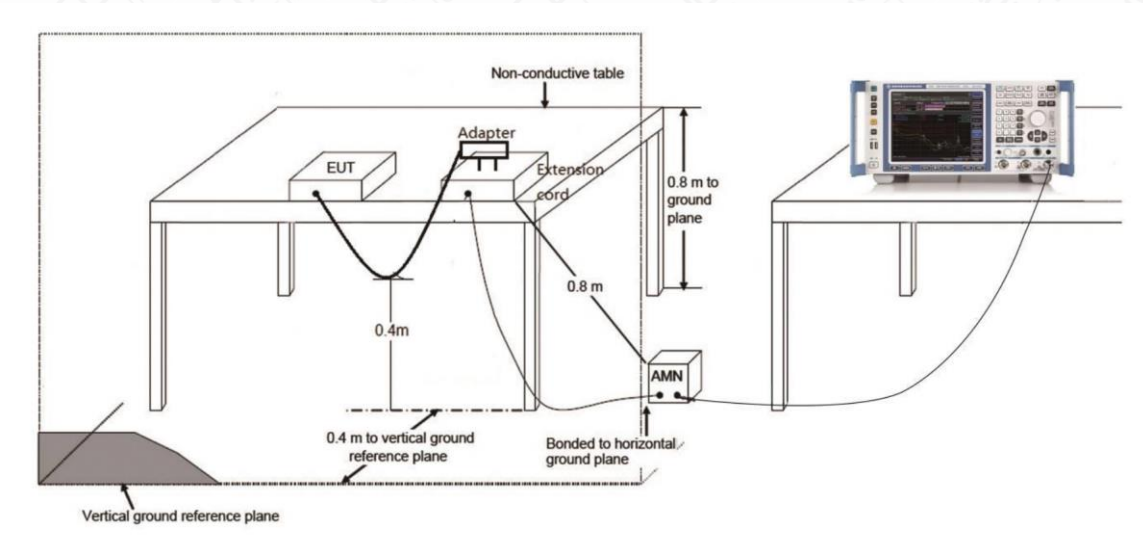
6.8 AC Powerline Conducted Emission

6.8.1 Method of Measurement: ANSI C63.10-2013-clause 6.2

1. The one EUT cable configuration and arrangement and mode of operation that produced the emission with the highest amplitude relative to the limit is selected for the final measurement, while applying the appropriate modulating signal to the EUT.
2. If the EUT is relocated from an exploratory test site to a final test site, the highest emissions shall be remaximized at the final test location before final ac power-line conducted emission measurements are performed.
3. The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment in the system) is then performed for the full frequency range for which the EUT is being tested for compliance without further variation of the EUT arrangement, cable positions, or EUT mode of operation.
4. If the EUT is comprised of equipment units that have their own separate ac power connections, e.g., floor-standing equipment with independent power cords for each shelf that are able to connect directly to the ac power network, each current-carrying conductor of one unit is measured while the other units are connected to a second (or more) LISN(s). All units shall be separately measured. If a power strip is provided by the manufacturer, to supply all of the units making up the EUT, only the conductors in the power cord of the power strip shall be measured.

If the EUT uses a detachable antenna, these measurements shall be made with a suitable dummy load connected to the antenna output terminals; otherwise, the tests shall be made with the antenna connected and, if adjustable, fully extended. When measuring the ac conducted emissions from a device that operates between 150 kHz and 30 MHz a non-detachable antenna may be replaced with a dummy load for the measurements within the fundamental emission band of the transmitter, but only for those measurements.³⁶ Record the six highest EUT emissions relative to the limit of each of the current-carrying conductors of the power cords of the equipment that comprises the EUT over the frequency range specified by the procuring or regulatory agency. Diagram or photograph the test setup that was used. See Clause 8 for full reporting requirements.

6.8.2 Test Setup



6.8.3 Test Condition

Voltage (V)	Frequency (Hz)
120	60

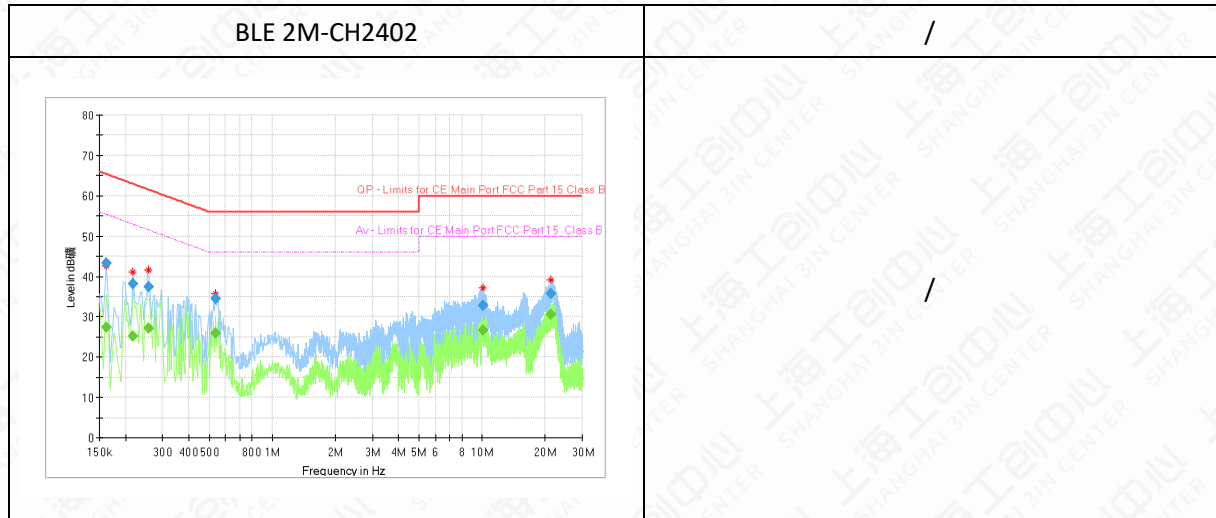
6.8.4 Measurement limit

(Quasi-peak-average Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Conclusion
0.15 to 0.5	66 to 56	56 to 46	P
0.5 to 5	56	46	
5 to 30	60	50	

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

6.8.5 Measurement Result



Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas.Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.161194	43.38	---	65.40	22.03	15000.0	9.000	N	ON	8.6
0.161194	---	27.36	55.40	28.04	15000.0	9.000	N	ON	8.6
0.217163	38.05	---	62.93	24.87	15000.0	9.000	N	ON	5.9
0.217163	---	25.17	52.93	27.76	15000.0	9.000	N	ON	5.9
0.258206	37.42	---	61.49	24.07	15000.0	9.000	N	ON	6.7
0.258206	---	27.05	51.49	24.44	15000.0	9.000	N	ON	6.7
0.538050	34.38	---	56.00	21.62	15000.0	9.000	N	ON	9.6
0.538050	---	25.92	46.00	20.08	15000.0	9.000	N	ON	9.6
10.108706	---	26.77	50.00	23.23	15000.0	9.000	L1	ON	9.8
10.108706	32.86	---	60.00	27.14	15000.0	9.000	L1	ON	9.8
21.321113	---	30.54	50.00	19.46	15000.0	9.000	L1	ON	10.0
21.321113	35.67	---	60.00	24.33	15000.0	9.000	L1	ON	10.0

Note: All modes have been tested and only the worst mode is recorded in the report.

Annex A: Revised History

Version	Revised Content
V00	Initial

Annex B: Accreditation Certificate



END OF REPORT