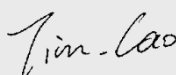
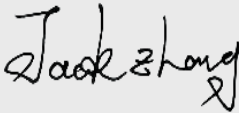


Test report No:
2410570R-RF-US-P06V03

FCC TEST REPORT

Product Name	POS Station
Trademark	
Model and /or type reference	MTPOS-S4G Pro
FCC ID	2AYT5-S4GPRO
Applicant's name / address	Hefei BOE Vision-electronic Technology Co.,Ltd. NO.2177 Dongfang RD, Xinzhan General Pilot Zone, HeFei, Anhui, 230012, P.R.China
Test method requested, standard	47 CFR FCC Part 15 (Section 15.247) ANSI C63.10: 2013
Verdict Summary	IN COMPLIANCE
Documented by (name / position & signature)	Tim Cao/Project Engineer 
Approved by (name / position & signature)	Jack Zhang/ Manager 
Date of issue	2024-02-21
Report Version	V1.1
Report template No	Template_FCC Part 15C-RF-V1.0

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COMPETENCES AND GUARANTEES

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

GENERAL CONDITIONS

Test Location	No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China
Date(receive sample)	Jan. 18, 2024
Date (start test)	Feb. 01, 2024
Date (finish test)	Feb. 06, 2024

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.

ENVIRONMENTAL CONDITIONS

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

Ambient temperature	15 °C – 35 °C
Relative Humidity air	30% - 60%

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

POSSIBLE TEST CASE VERDICTS

Test case does not apply to test object	N/A
Test object does meet requirement	P (Pass) / PASS
Test object does not meet requirement	F (Fail) / FAIL
Not measured	N/M

ABBREVIATIONS

For the purposes of the present document, the following abbreviations apply:

EUT	: Equipment Under Test
QP	: Quasi-Peak
CAV	: CISPR Average
AV	: Average
CDN	: Coupling Decoupling Network
SAC	: Semi-Anechoic Chamber
OATS	: Open Area Test Site
BW	: Bandwidth
AM	: Amplitude Modulation
PM	: Pulse Modulation
HCP	: Horizontal Coupling Plane
VCP	: Vertical Coupling Plane
U_N	: Nominal voltage
T_x	: Transmitter
R_x	: Receiver
N/A	: Not Applicable
N/M	: Not Measured

DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
2410570R-RF-US-P06V03	V1.0	Initial issue of report.	2024-02-19
2410570R-RF-US-P06V03	V1.1	Modify the Data Rate in Section 1.1; (Test Report No.: 2410570R-RF-US-P06V03 V1.1 will replace Test Report No.: 2410570R-RF-US-P06V03 V1.0, and Test Report 2410570R-RF-US-P06V03 V1.0 has been discontinued.)	2024-02-21

REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. These test results on the device are for the purpose of demonstrating Compliance with 47 CFR FCC Part 15 (Section 15.247),ANSI C63.10: 2013.
3. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to account the uncertainty associated with the measurement result.
4. The test results presented in this report relate only to the object tested.
5. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification (Suzhou) Co., Ltd.
6. This report will not be used for social proof function in China market.
7. DEKRA declines any responsibility with the following test data provided by customer that may affect the validity of result:
 - Chapter 1.1 General Description of the Item(s);
 - Chapter 1.2 Antenna Informaion;
 - Chapter 1.3 Channel List.

USED EQUIPMENT

Conducted Test / TR8

Instrument	Manufacturer	Model No.	Serial No.	Cal.Date	Next Cal. Date	Firmware Version	Software Version
Wireless Connectivity Tester	R&S	CMW 270	102593	2023.05.20	2024.05.19	V 4.0.60	N/A
Coaxial Cable	N/A	N/A	2477	2023.06.08	2024.06.07	N/A	N/A
Coaxial Cable	N/A	N/A	2478	2023.06.08	2024.06.07	N/A	N/A
High and low temperature and fast temperature change test box	ASTUOD	ASTD-FBT-225K	N/A	2023.05.20	2024.05.19	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	RF08	2023.08.25	2024.08.24	N/A	N/A
Test system							
MAX Signal Analyzer	Keysight	N9010A	MY48030494	2023.11.08	2024.11.07	A.14.03	N/A
RF Control Unit	Tonscend	JS0806-1	168060022	2023.08.28	2024.08.27	N/A	N/A
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY61252529	2023.05.20	2024.05.19	B.01.96	N/A
Frequency extender for EXG or MXG	Keysight	N5182BX07	MY59362500	2023.05.20	2024.05.19	N/A	N/A
EXG-B MW Analog Signal Generator	Keysight	N5173B	MY61252566	2023.08.26	2024.08.25	B.01.95	N/A
Test Software	Tonscend	TS1120	JS1120-3	N/A	N/A	N/A	V3.0.22

Test-Set (AC2)

Instrument	Manufacturer	Model No.	Serial No.	Cal.Date	Next Cal. Date	Firmware Version	Software Version
EMI Test Receiver	R&S	ESCI	100573	2023.09.17	2024.09.16	4.42 SP3	N/A
Loop Antenna	R&S	HFH2-Z2E	101149	2023.04.25	2024.04.24	N/A	N/A
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2023.02.20	2024.02.19	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	AC2-TH	2023.05.19	2024.05.18	N/A	N/A
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2023.05.21	2024.05.20	N/A	N/A
Dekra test software	Dekra	N/A	N/A	N/A	N/A	N/A	3

Test-Set (AC5)

Instrument	Manufacturer	Model No.	Serial No.	Cal.Date	Next Cal. Date	Firmware Version	Software Version
EXA Spectrum Analyzer	Keysight	N9020B	MY60112218	2023.11.08	2024.11.07	A.31.05	N/A
Pre-Amplifier	SKET	LNPA_0118G-45	SK2021090101	2023.05.14	2024.05.13	N/A	N/A

Preamplifier	CHENGYI	EMC184045S E	980263	2023.07.09	2024.07.08	N/A	N/A
DRG Horn Antenna	ETS-Lindgren	3117	00167055	2023.09.16	2024.09.15	N/A	N/A
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	294	2023.05.31	2024.05.30	N/A	N/A
Filter Switch Box	MVE	MSW-F196	C070001S	2023.05.21	2024.05.20	N/A	N/A
Temperature/Hu midity Meter	RTS	RTS-8S	AC5-TH	2023.05.19	2024.05.18	N/A	N/A
Coaxial Cable	ROSENBERGER	LA1-C011- 2000/3000	AC5-40G-2	2023.05.21	2024.05.20	N/A	N/A
Dekra test software	Dekra	N/A	N/A	N/A	N/A	N/A	3

UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95% .

Test item	Uncertainty
AC Power Line Conducted Emission	9kHz~150kHz: 2.80dB 150kHz~30MHz: 2.40dB
Peak Power Output	± 1.27 dB
Radiated Emission(30MHz~1GHz)	Horizontal: 30MHz~200MHz: 3.50 dB 300MHz~1GHz: 3.60 dB Vertical: 30MHz~200MHz: 3.60 dB 300MHz~1GHz: 3.50 dB
Radiated Emission(1GHz~26.5GHz)	Horizontal: 1GHz~18GHz: 5.00 dB Vertical: 1GHz~18GHz: 4.80 dB
RF antenna conducted test	± 1.27 dB
Radiated Emission Band Edge	± 3.9 dB
DTS Bandwidth	± 150 Hz
Occupied Bandwidth	± 1 kHz
Power Density	± 1.27 dB

1 GENERAL INFORMATION

1.1 General Description of the Item(s)

Product Name..... :	POS Station
Model No. :	MTPOS-S4G Pro
Trademark	
FCC ID	2AYT5-S4GPRO
Hardware Version	EM_T7030_V1.2
Software Version..... :	1.01.20240130
Manufacturer..... :	Beehub Inc
Manufacturer address	108 W. 13th Street, Suite 100, Wilmington, DE 19801 in the County of New Castle, Delaware
Factory	Hefei BOE Vision-electronic Technology Co.,Ltd.
Factory address	NO.2177 Dongfang RD, Xinzhan General Pilot Zone, HeFei, Anhui, 230012, P.R.China

Wireless specification..... :	Bluetooth 5.0				
Operating frequency range(s)	2402~2480MHz				
Type of Modulation..... :	GFSK				
PHYS	☒	LE 1M	☒	LE 2M	☐ LE Coded S=2/8
Data Rate	☒	1Mbit/s	☒	2Mbit/s	☐ 500/125 Kbit/s
Number of channel..... :	40				

Rated power supply	Voltage and Frequency	
	☐	AC: 220 - 240 V, 50/60 Hz
	☒	AC: 100 - 240 V, 50/60 Hz
	☐	DC: 24 Vdc
	☐	Battery: 3V
Brand of adapter	STONE	
Adapter model	Model: STA65-240150-C14 Input: 100-240V-50/60Hz, 1.5A Max Output: 24.0V 1.5A	
Mounting position.....	☒	Table top equipment
	☐	Wall/Ceiling mounted equipment
	☐	Floor standing equipment
	☐	Hand-held/Portable equipment
	☐	Other:

1.2 Antenna Information

Antenna model / type number	SLK-BOE-3212H3-R-110I-B		
Antenna serial number	61005-00774		
Antenna Delivery	☒	1TX + 1RX	
	☐	2TX + 2RX	
	☐	Others:.....	
Antenna technology	☒	SISO	
	☐	MIMO	☐ CDD
			☐ Beam-forming
Antenna Type	☐	External	☐ Dipole
			☐ Sectorized
	☐	Internal	☐ Ceramic Chip
	☒		☒ PIFA
			☐ PCB
			☐ Others.....
Antenna Gain.....	2.37 dBi		

1.3 Channel List

Bluetooth Working Frequency of Each Channel: (For LE)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
00	2402 MHz	01	2404 MHz	02	2406 MHz	03	2408 MHz
04	2410 MHz	05	2412 MHz	06	2414 MHz	07	2416 MHz
08	2418 MHz	09	2420 MHz	10	2422 MHz	11	2424 MHz
12	2426 MHz	13	2428 MHz	14	2430 MHz	15	2432 MHz
16	2434 MHz	17	2436 MHz	18	2438 MHz	19	2440 MHz
20	2442 MHz	21	2444 MHz	22	2446 MHz	23	2448 MHz
24	2450 MHz	25	2452 MHz	26	2454 MHz	27	2456 MHz
28	2458 MHz	29	2460 MHz	30	2462 MHz	31	2464 MHz
32	2466 MHz	33	2468 MHz	34	2470 MHz	35	2472 MHz
36	2474 MHz	37	2476 MHz	38	2478 MHz	39	2480 MHz

Note: The General Description of the Item , antenna information and Channel List for the EUT in clause 1 are provided and confirmed by the client.

2 DESCRIPTION OF TEST SETUP

2.1 Operating mode(s) used for tests

During the tests the following operating mode(s) has(have) been used.

Test Mode For Bluetooth	Mode 1: Transmit by LE_1Mbps
	Mode 2: Transmit by LE_2Mbps

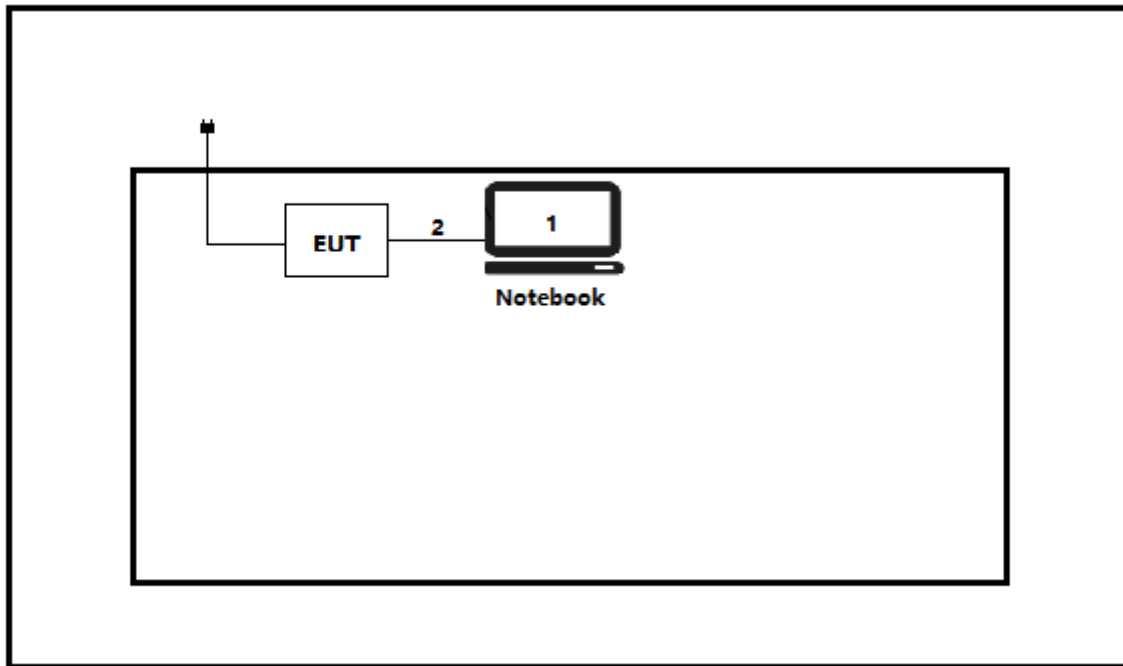
2.2 Auxiliary equipment / Test software for the EUT

Auxiliary equipment	Type / Version	Manufacturer	Supplied by
(1) Notebook	Think pad x220	Lenovo	Adapter
(2) USB Control Cable	N/A	N/A	N/A
(3) USB Control Cable	N/A	N/A	N/A
software	Type / Version		
MTK_Android_Flash Tool	V1.0		

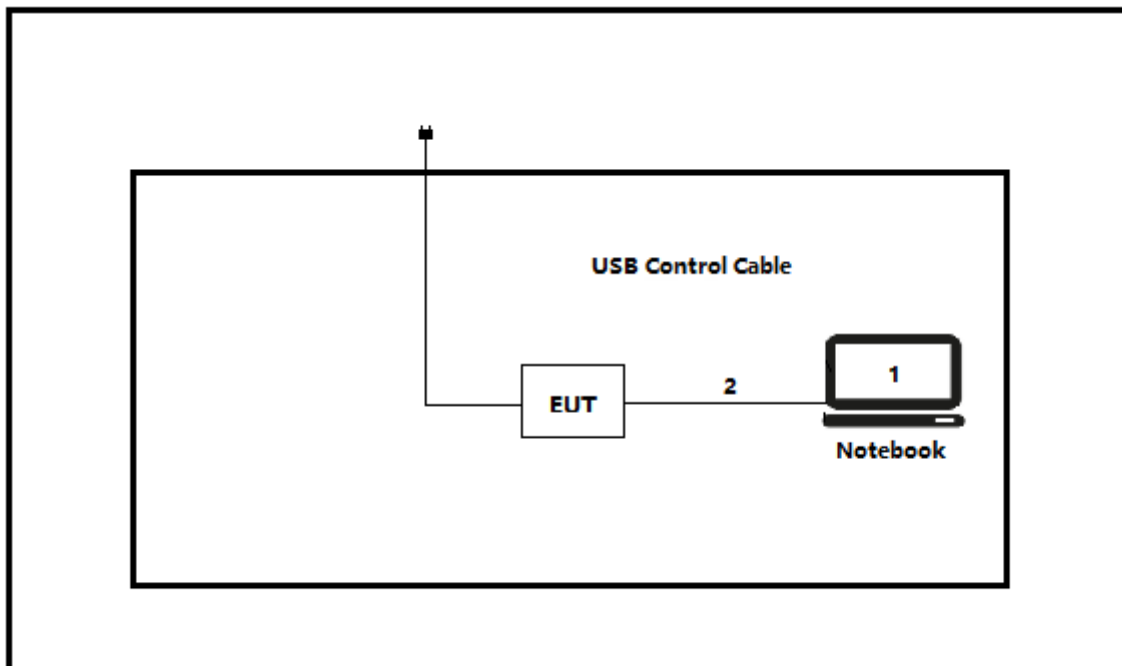
Accessories Information	Cable		
	Length used during test [m]	Attached during test	Shielded
(2)USB Control Cable	1	☒	☒
(3)USB Control Cable	8	☒	☒

2.3 Test Configuration / Block diagram used for tests

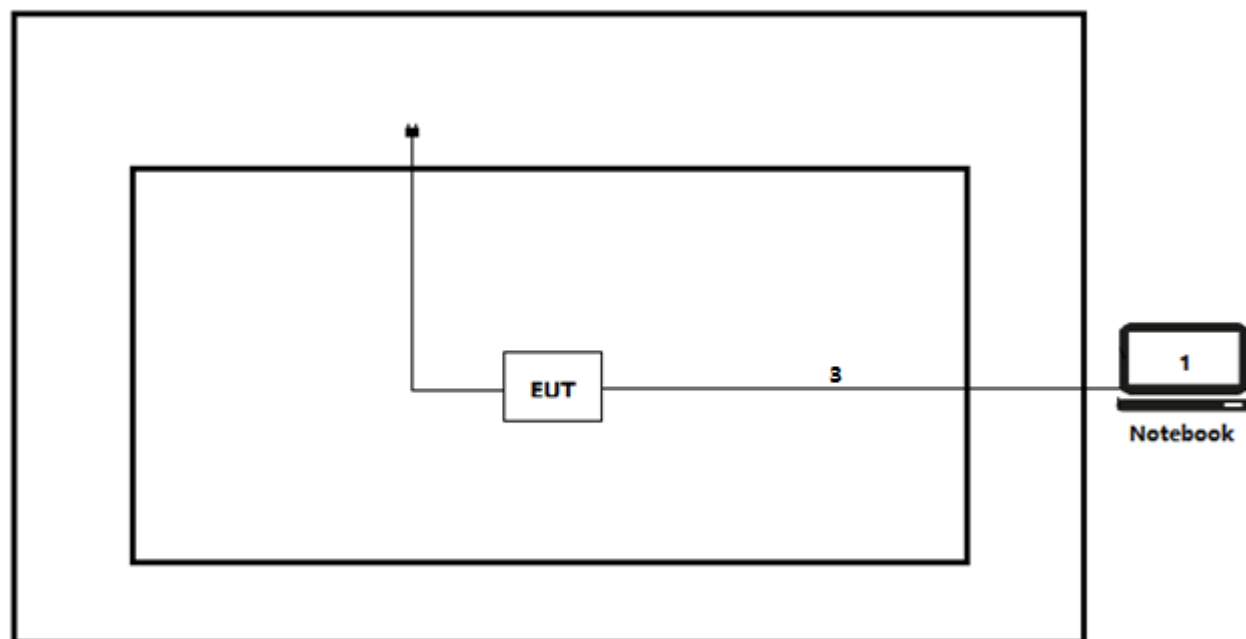
Test setup Diagram- AC Line Conducted Emission Test



Test setup Diagram- Conducted test



Test setup Diagram- Ratiated test



2.4 Testing process

1	Setup the EUT shown in Section 2.3.
2	Execute the [Aboot Tools] on the notebook.
3	Configure the test mode, the test channel, and the data rate.
4	Verify that the EUT works properly.

3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

3.1 Standards

Standard	Year	Description
CFR 47, FCC Part 15 C	2023	Operation within the bands 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz.
ANSI C63.10	2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

3.2 Deviation(s) from the Standard(s) / Test Specification(s)

The following deviation(s) was / were made from the published requirements of the listed standards: N/A.

(Please define the deviations from the standard(s) if applicable)

3.3 Overview of results

Requirement – Test Item of FCC	Standard(s)	Verdict	Remark
DTS Bandwidth	FCC 15.247(a)(2)	PASS	Test data please refer to Appendix A
Maximum Conducted Output Power	15.247 (b)(3)	PASS	Test data please refer to Appendix B
Maximum Power Spectral Density	FCC 15.247(e)	PASS	Test data please refer to Appendix C
Band Edge Measurements	FCC 15.247(d) FCC 15.205 FCC 15.209	PASS	Test data please refer to Appendix D
Conducted Spurious Emission	FCC 15.247(d), FCC 15.209	PASS	Test data please refer to Appendix E
Duty Cycle	ANSI C63.10:2013	PASS	Test data please refer to Appendix F
Emissions In Restricted Bands	FCC 15.205 FCC 15.209	PASS	Test data please refer to Appendix G
AC Power Line Conducted Emission	FCC 15.207	PASS	Test data please refer to Appendix H
Antenna Requirement	FCC 15.203	PASS	---

3.4 Power setting in test

Mode	Channel	Frequency (MHz)	Power setting
LE_1Mbps	00	2402	Default
	19	2440	Default
	39	2480	Default
LE_2Mbps	00	2402	Default
	19	2440	Default
	39	2480	Default
LE_Coded S=2	00	2402	Default
	19	2440	Default
	39	2480	Default
LE_Coded S=8	00	2402	Default
	19	2440	Default
	39	2480	Default

3.5 Test Matrix

Test item	Model: MTPOS-S4G Pro	
	#1	#2
DTS Bandwidth	☒	☐
Maximum Conducted Output Power	☒	☐
Maximum Power Spectral Density	☒	☐
Band Edge Measurements	☐	☒
Conducted Spurious Emission	☒	☐
Duty Cycle	☒	☐
Emissions In Restricted Bands	☐	☒
AC Power Line Conducted Emission	☐	☒

3.6 Test Facility

USA : FCC Designation Number: CN1199

4 TEST ITEMS OF LIMIT/SETUP/PROCEDURE

4.1 DTS Bandwidth

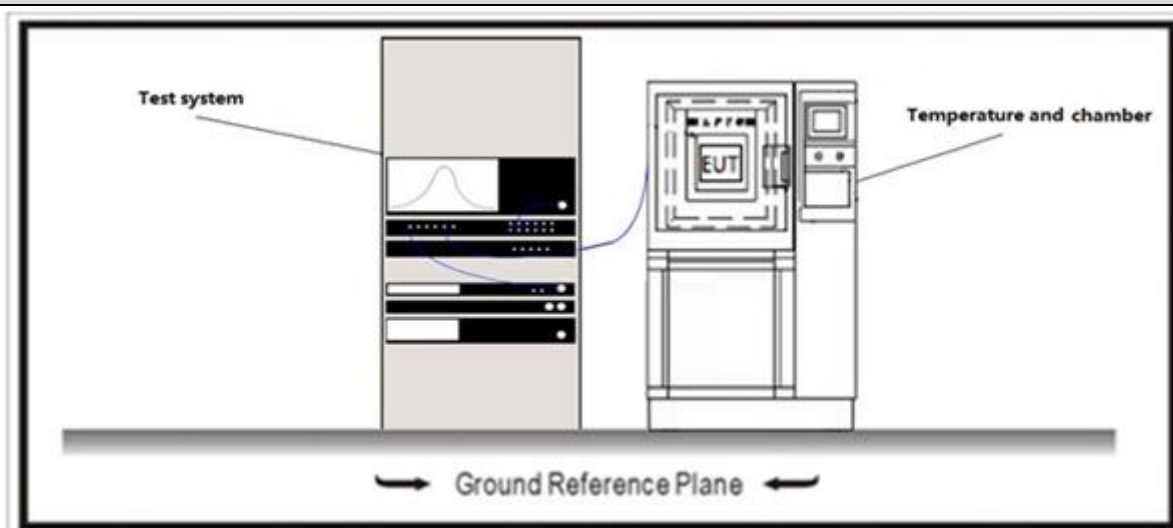
VERDICT: PASS

4.1.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.247 (a)(2)
-----------------	---

Systems using digital modulation techniques operate in the 2400-2483.5 MHz. The minimum 6 dB bandwidth shall be at least 500 kHz

4.1.2 Test Setup



4.1.3 Test Procedure

	Reference Rule		Chapter	Description
☒	ANSI C63.10		11.8	DTS bandwidth
	☐	ANSI C63.10	11.8.1	Option 1
	☒	ANSI C63.10	11.8.2	Option 2

4.2 Maximum Conducted Output Power

VERDICT: PASS

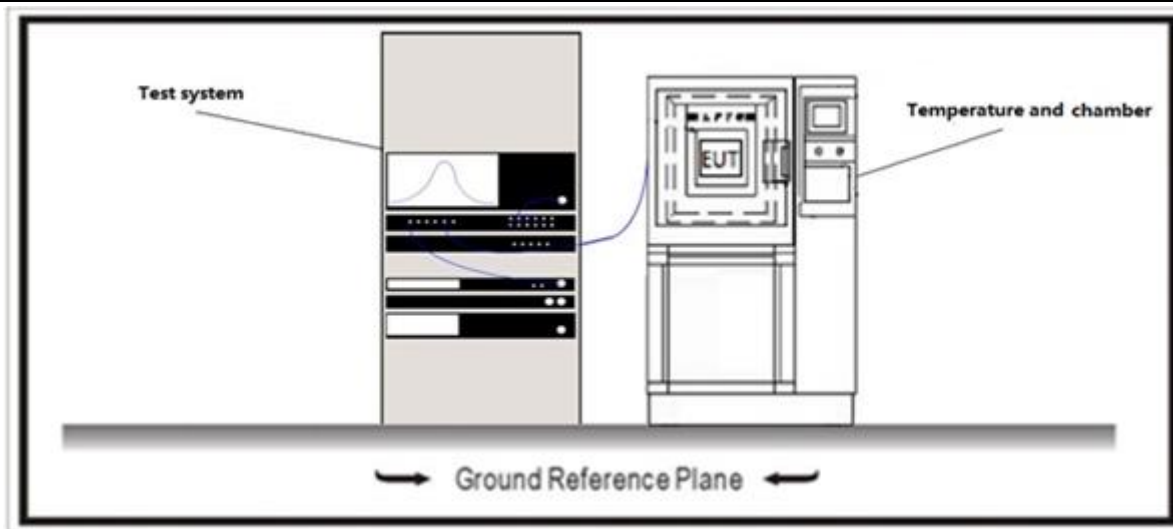
4.3.1 Limit

Standard		FCC Part 15 Subpart C Paragraph 15.247 (b)(3)
☒	GTX < 6dBi	Pout ≤ 30dBm
☐	GTX > 6dBi	
☐	Non-Fix point-point	Pout ≤ 30 - (GTX - 6)
☐	Fix point-point	Pout ≤ 30 - [(GTX - 6)]/3
☐	Point-to-multipoint	Pout ≤ 30 - (GTX - 6)
☐	Overlap Beams	Pout ≤ 30 - [(GTX - 6)]/3
☐	Aggregate power transmitted simultaneously on all beams	Pout ≤ 30 - [(GTX - 6)]/3
☐	single directional beam	Pout ≤ 30 - [(GTX - 6)]/3 + 8dB

Note 1 : GTX directional gain of transmitting antennas.

Note 2 : Pout is maximum peak conducted output power .

4.3.2 Test Setup



4.3.3 Test Procedure

	References Rule			Chapter	Description		
☒	ANSI C63.10			11.9	Fundamental emission output power		
	☒	ANSI C63.10			11.9.1	Maximum peak conducted output power	
	☐	☐	ANSI C63.10	11.9.1.1	RBW ≥ DTS bandwidth		
		☐	ANSI C63.10	11.9.1.2	Integrated band power method		
		☐	ANSI C63.10	11.9.1.3	PKPM1 Peak power meter method		
	☐	ANSI C63.10			11.9.2	Maximum conducted (average) output power	
	☐	☐	ANSI C63.10			11.9.2.2	Measurement using a spectrum analyzer (SA)
		☐	☐	ANSI C63.10	11.9.2.2.2	Method AVGSA-1(Duty cycle ≥98%)	
			☐	ANSI C63.10	11.9.2.2.3	Method AVGSA-1A(Duty cycle ≥98%)	
			☐	ANSI C63.10	11.9.2.2.4	Method AVGSA-2(Duty cycle ≤98%)	
			☐	ANSI C63.10	11.9.2.2.5	Method AVGSA-2A(Duty cycle ≤98%)	
			☐	ANSI C63.10	11.9.2.2.4	Method AVGSA-3	
			☐	ANSI C63.10	11.9.2.2.5	Method AVGSA-3A	
		☒	ANSI C63.10			11.9.2.3	Measurement using a power meter (PM)
		☐	☒	ANSI C63.10	11.9.2.3.1	Method AVGPM	
			☐	ANSI C63.10	11.9.2.3.2	Method AVGPM-G	

4.3 Maximum Power Spectral Density

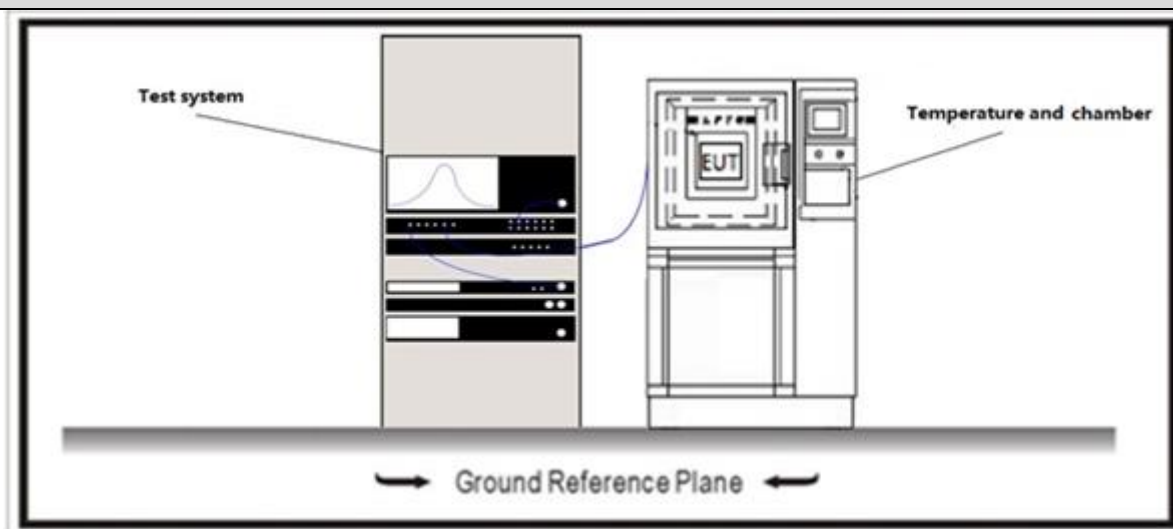
VERDICT: PASS

4.4.1 Limit

Standard FCC Part 15 Subpart C Paragraph 15.247 (b)(3);

 Power Spectral Density $\leq 8 \text{ dBm/3kHz}$

4.4.2 Test Setup



4.4.3 Test Procedure

	References Rule		Chapter	Description
☒	ANSI C63.10		11.10	Maximum power spectral density level in the fundamental emission
	☒	ANSI C63.10	11.10.2	Method PKPSD (peak PSD)
	☐	ANSI C63.10	11.10.3	Method AVGPSD-1(Duty cycle $\geq 98\%$)
	☐	ANSI C63.10	11.10.4	Method AVGPSD-1A(Duty cycle $\geq 98\%$)
	☐	ANSI C63.10	11.10.5	Method AVGPSD-2(Duty cycle $< 98\%$)
	☐	ANSI C63.10	11.10.6	Method AVGPSD-2A(Duty cycle $< 98\%$)
	☐	ANSI C63.10	11.10.7	Method AVGPSD-3
	☐	ANSI C63.10	11.10.8	Method AVGPSD-3A

4.4 Band Edge Measurements

VERDICT: PASS

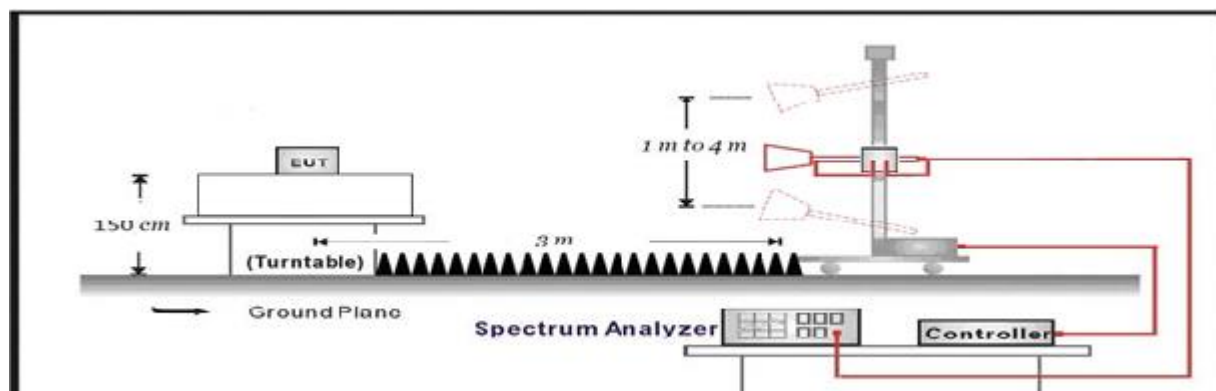
4.5.1 Limit

Standard		FCC Part 15 Subpart C Paragraph 15.247(d) , 15.209		
Frequency bands (MHz)	Detector	Limit (dB μ V/m)	RBW (MHz)	Distance (m)
2310-2390	PK	74	1	3
2483.5-2500	AV	54	1	3

Note: The field strength of emissions appearing within these frequency bands shall not exceed the limits.

4.5.2 Test Setup

Above 1GHz Test Setup:



4.5.3 Test Procedure

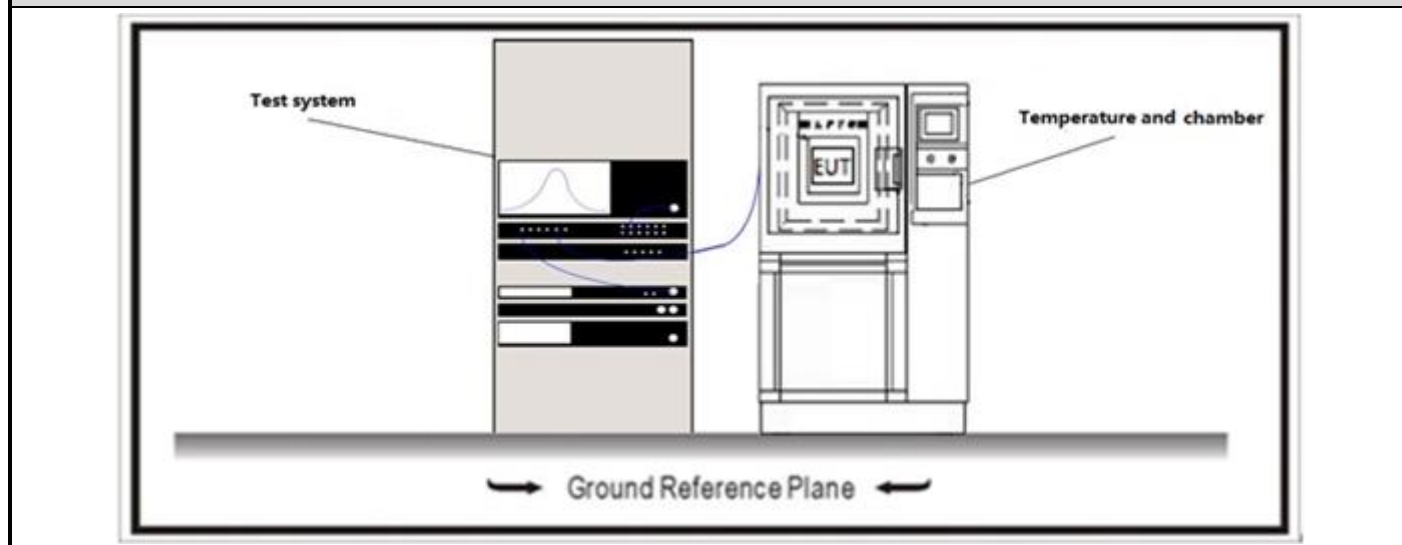
	References Rule	Chapter	Description
☒	ANSI C63.10	6.10	Band-edge testing
☒	☒ ANSI C63.10	6.10.5	Restricted-band band-edge measurements
☐	☐ ANSI C63.10	6.10.6	Marker-delta method
☒	ANSI C63.10	11.12	Emissions in restricted frequency bands
☒	☒ ANSI C63.10	11.12.1	Radiated emission measurements
☒	☒ ANSI C63.10	11.12.2.7	Radiated spurious emission test
☐	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
☐	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
☒	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

4.5 Conducted Spurious Emission**VERDICT: PASS****4.6.1 Limit**

Standard	FCC Part 15 Subpart C Paragraph 15.247(d)
RF Output power (Detection methods)	Limit(dB)
RF Output power(Average detector)	30dBc(Note1)
RF Output power(PK detector)	20dBc(Note2)

Note 1: If maximum conducted (average) output power was used to demonstrate compliance as described in 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).

Note 2: If the maximum peak conducted output power procedure was used, 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).

4.6.2 Test Setup**4.6.3 Test Procedure**

References Rule	Chapter	Description
☒ ANSI C63.10	11.11	Emissions in non-restricted frequency bands
☒ ANSI C63.10	11.11.1	General
☒ ANSI C63.10	11.11.2	Reference level measurement
☒ ANSI C63.10	11.11.3	Emission level measurement

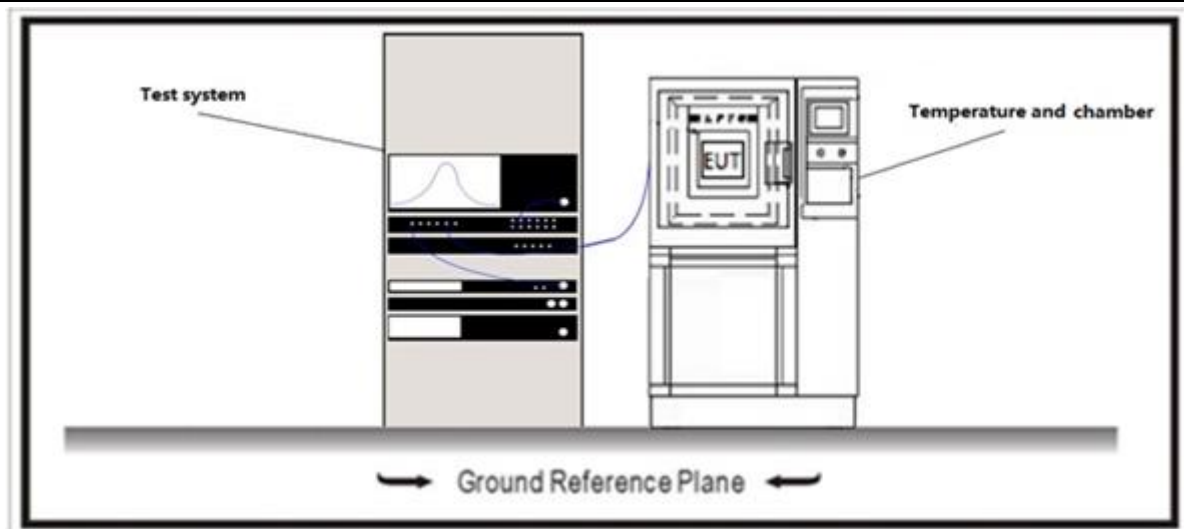
4.6 Duty cycle

VERDICT: PASS

4.7.1 Limit

N/A

4.7.2 Test Setup



4.7.3 Test Procedure

References Rule		Chapter	Description
☒	ANSI C63.10	11.6	Duty cycle (D), transmission duration (T), and maximum power control level

4.7 Emissions in Restricted Bands**VERDICT: PASS****4.8.1 Limit****Standard**

FCC Part 15 Subpart C Paragraph 15.205

Restricted Bands of operation

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15
0.495 – 0.505	16.69475 – 16.69525	608 – 614	5.35 – 5.46
2.1735 – 2.1905	16.80425 – 16.80475	960 – 1240	7.25 – 7.75
4.125 – 4.128	25.5 – 25.67	1300 – 1427	8.025 – 8.5
4.17725 – 4.17775	37.5 – 38.25	1435 – 1626.5	9.0 – 9.2
4.20725 – 4.20775	73 – 74.6	1645.5 – 1646.5	9.3 – 9.5
6.215 – 6.218	74.8 – 75.2	1660 – 1710	10.6 – 12.7
6.26775 – 6.26825	108 – 121.94	1718.8 – 1722.2	13.25 – 13.4
6.31175 – 6.31225	123 – 138	2200 – 2300	14.47 – 14.5
8.291 – 8.294	149.9 – 150.05	2310 – 2390	15.35 – 16.2
8.362 – 8.366	156.52475 – 156.52525	2483.5 – 2500	17.7 – 21.4
8.37625 – 8.38675	156.7 – 156.9	2690 – 2900	22.01 – 23.12
8.81425 – 8.81475	162.0125 – 167.17	3260 – 3267	23.6 – 24.0
12.29 – 12.293	167.72 – 173.2	3332 – 3339	31.2 – 31.8
12.51975 – 12.52025	240 – 285	3345.8 – 3358	36.43 – 36.5
12.57675 – 12.57725	322 – 335.4	3600 – 4400	
13.36 – 13.41			

Restricted Band Emissions Limit

FCC Part 15 Subpart C Paragraph 15.209

Frequency (MHz)	Field strength (μV/m)	Field strength (dBμV/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300 ^(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30 ^(Note 1)
1.705 - 30	30	29.5	30 ^(Note 1)
30 - 88	100	40	3 ^(Note 2)
88 - 216	150	43.5	3 ^(Note 2)
216 - 960	200	46	3 ^(Note 2)
Above 960	500	54	3 ^(Note 2)

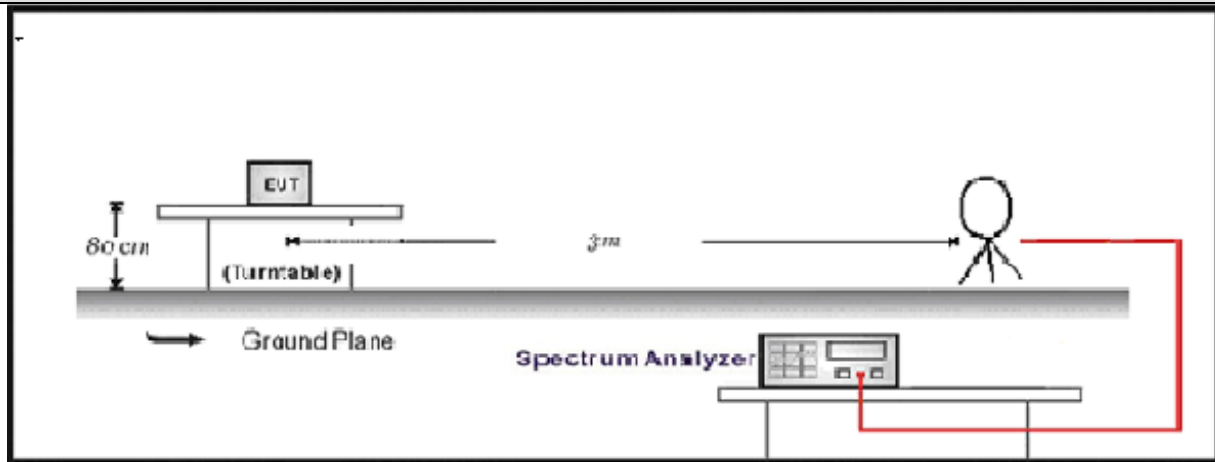
Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be

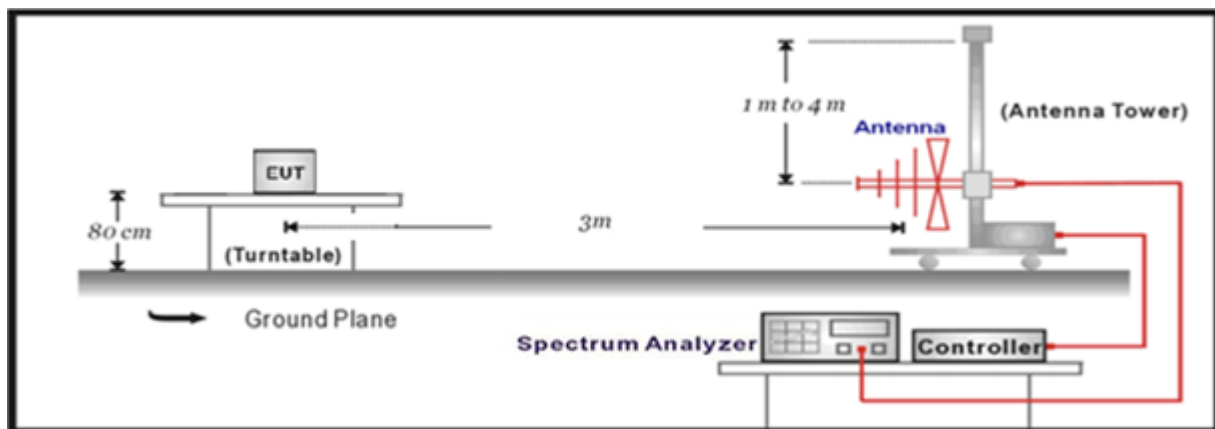
measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

4.8.2 Test Setup

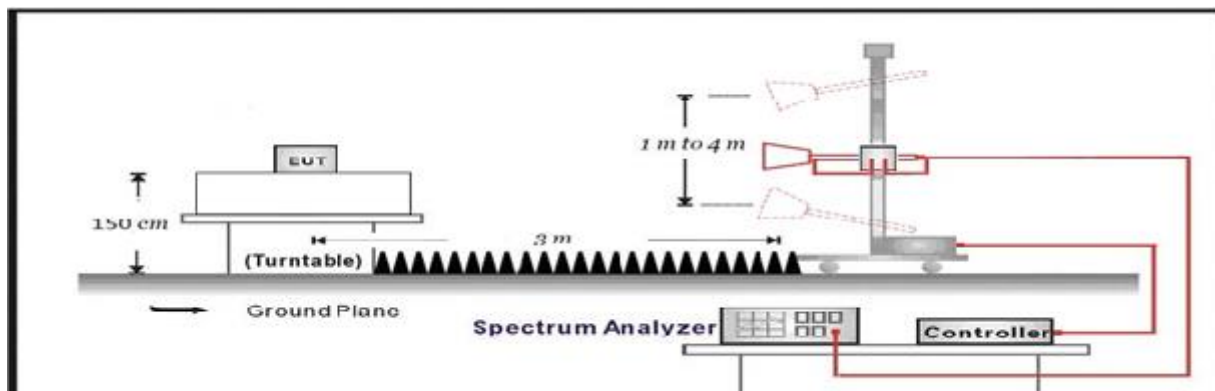
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



4.8.3 Test Procedure

	References Rule		Chapter	Description
☒	ANSI C63.10		11.12	Emissions in restricted frequency bands
	☒	ANSI C63.10	11.12.1	Radiated emission measurements
	☒	ANSI C63.10	11.12.2.7	Radiated spurious emission test
	☒	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
	☒	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
	☒	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

4.8 AC Power Line Conducted Emission

VERDICT: PASS

4.9.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.207	
Frequency range [MHz]	Limit: QP [dB(μV) ¹⁾]	Limit: AV [dB(μV) ¹⁾]
0,15 - 0,50	66 - 56 ²⁾	56 - 46 ²⁾
0,50 - 5,0	56	46
5,0 - 30	60	50

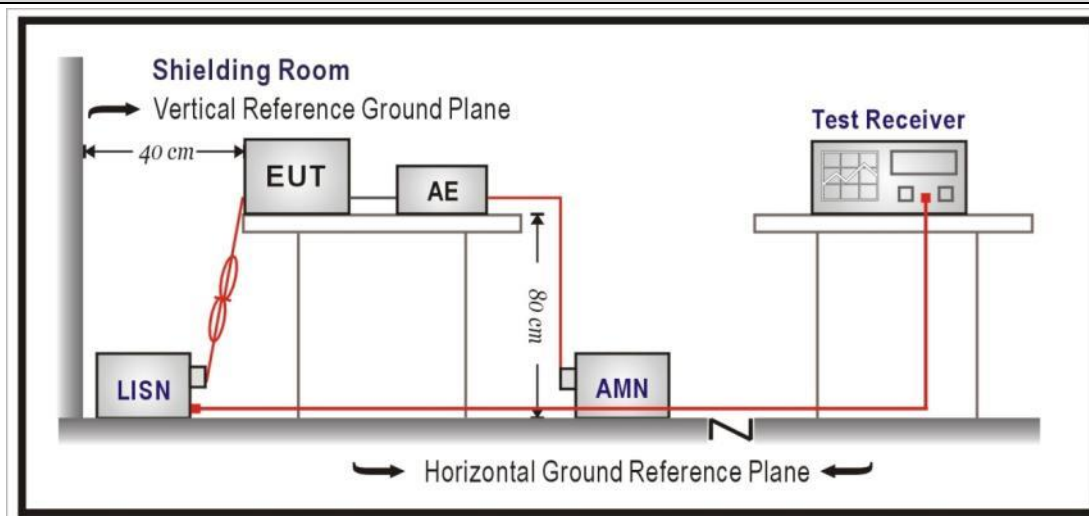
¹⁾ At the transition frequency, the lower limit applies.

²⁾ The limit decreases linearly with the logarithm of the frequency.

NOTE 1: The exclusion band for transmitters shall be considered for transmitters operating at frequencies below 30 MHz.

NOTE 2: Where the AC output port is directly connected (or via a circuit breaker) to the AC power input port of the EUT the AC power output port need not to be tested.

4.9.2 Test Setup



4.9.3 Test Procedure

	References Rule	Chapter	Item
☒	ANSI C63.10-2013	6.2	Standard test method for ac power-line conducted emissions from unlicensed wireless devices

4.9 Antenna Requirement**VERDICT: PASS****4.10.1 Limit:****Standard**FCC Part 15 Subpart C Paragraph 15.203;
RSS-Gen Issue 5 Paragraph 6.8.

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

4.10.2 Antenna Connector Construction:

☒	The use of a permanently attached antenna
☐	The antenna use of a unique coupling to the intentional radiator
☐	The use of a nonstandard antenna jack or electrical connector

Please refer to the attached document "Internal Photograph" to show the antenna connector.

5 TEST SETUP PHOTO AND EUT PHOTO

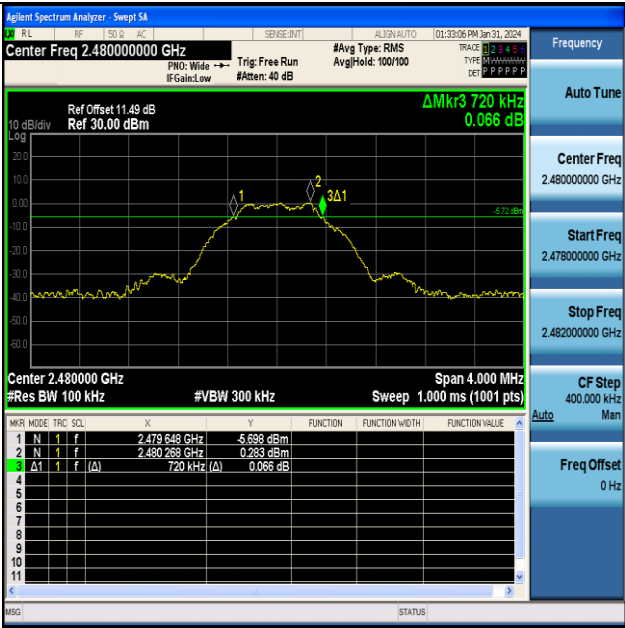
Remark: The test setup photo and EUT Photo please see appendix.

6 TEST RESULT-APPENDIX A: DTS BANDWIDTH

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.696	2401.656	2402.352	0.5	PASS
		2440	0.656	2439.684	2440.340	0.5	PASS
		2480	0.720	2479.648	2480.368	0.5	PASS
BLE_2M	Ant1	2402	0.796	2401.484	2402.280	0.5	PASS
		2440	0.848	2439.440	2440.288	0.5	PASS
		2480	0.848	2479.424	2480.272	0.5	PASS

Test Graphs





BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-PASS

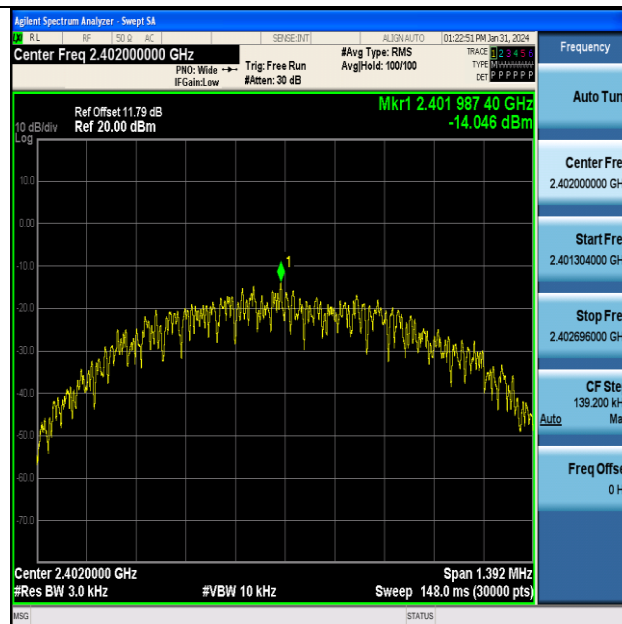
7 TEST RESULT-APPENDIX B: MAXIMUM CONDUCTED OUTPUT POWER

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.17	≤30	PASS
		2440	1.55	≤30	PASS
		2480	1.62	≤30	PASS
BLE_2M	Ant1	2402	1.19	≤30	PASS
		2440	1.54	≤30	PASS
		2480	1.67	≤30	PASS

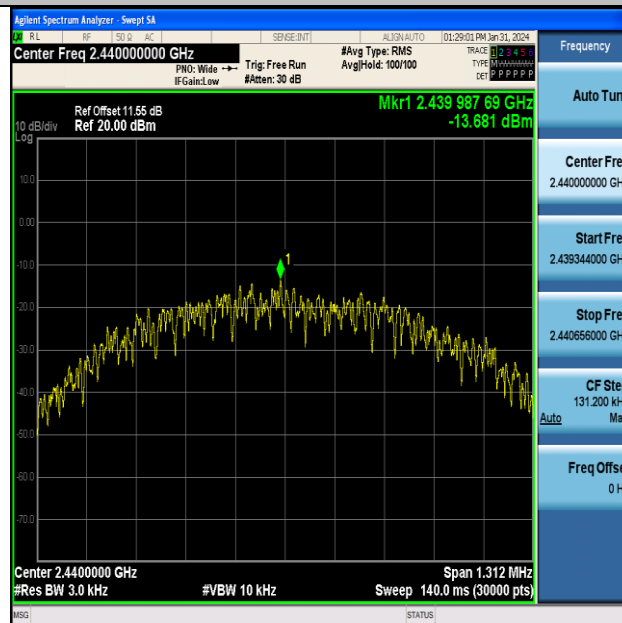
8 TEST RESULT-APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.05	≤8.00	PASS
		2440	-13.68	≤8.00	PASS
		2480	-13.48	≤8.00	PASS
BLE_2M	Ant1	2402	-21.28	≤8.00	PASS
		2440	-20.96	≤8.00	PASS
		2480	-20.81	≤8.00	PASS

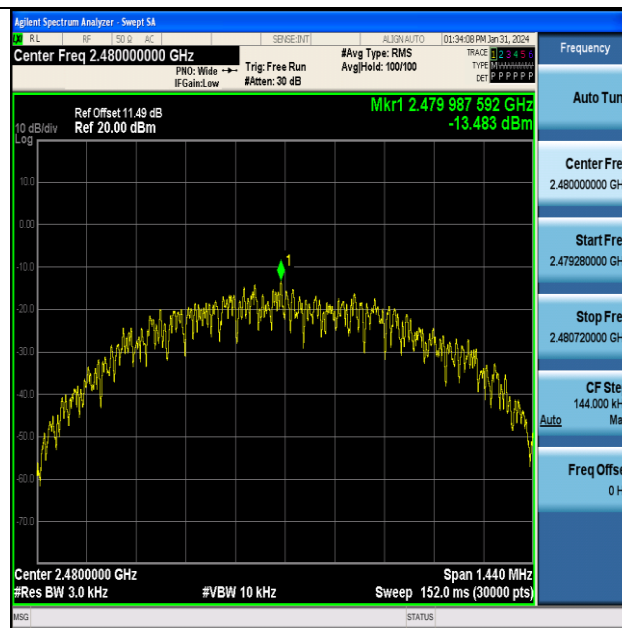
Test Graphs



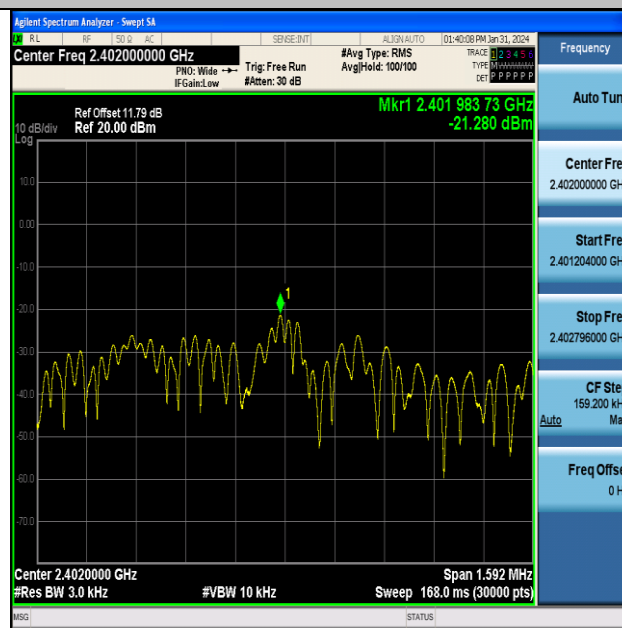
BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



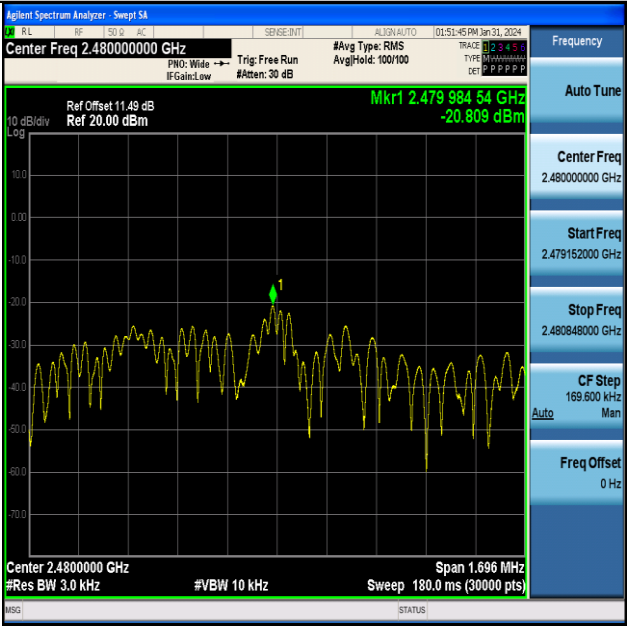
BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



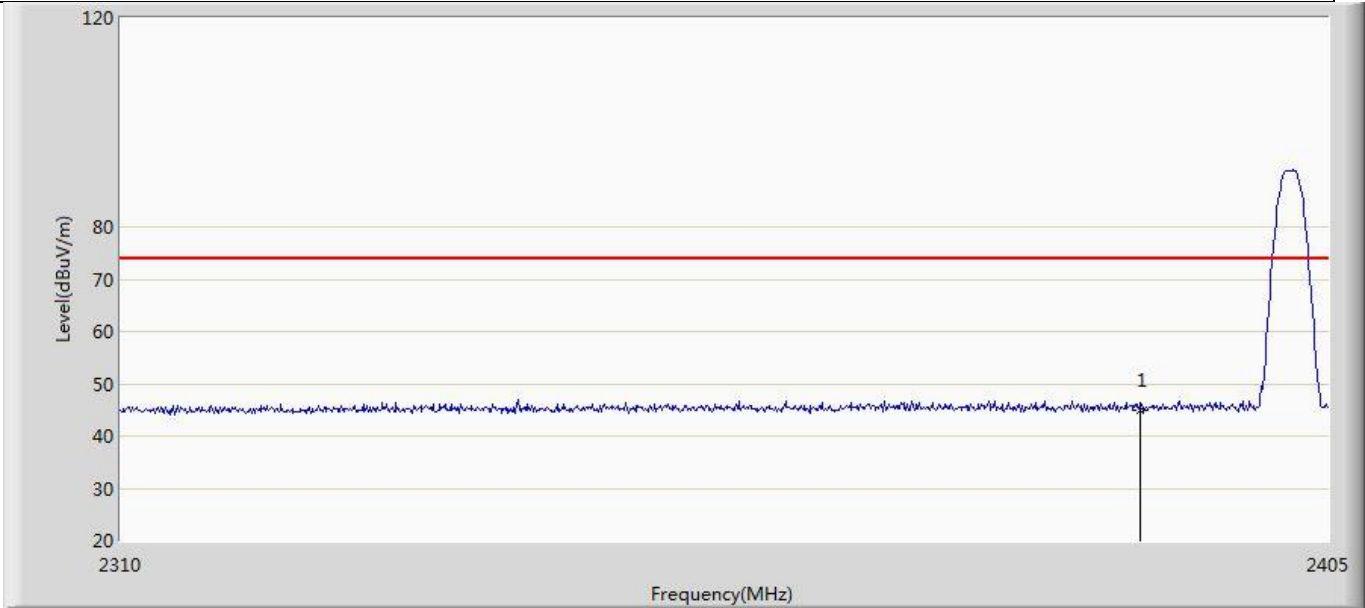
BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-PASS

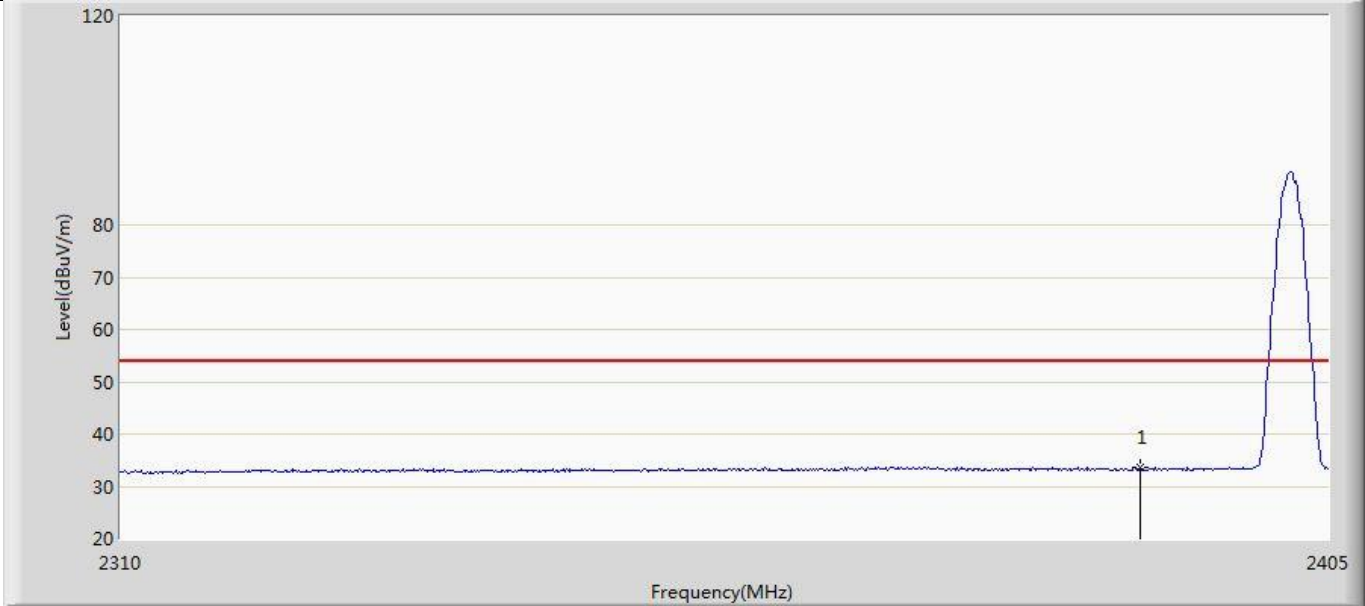
9 TEST RESULT-APPENDIX E: BAND EDGE MEASUREMENTS

Profile: 2410570R	Page No.: 1
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 18:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS Station	Power: AC 120V/60Hz
Note: Mode 1 : Transmit at 2402MHz by LE_1Mbps	



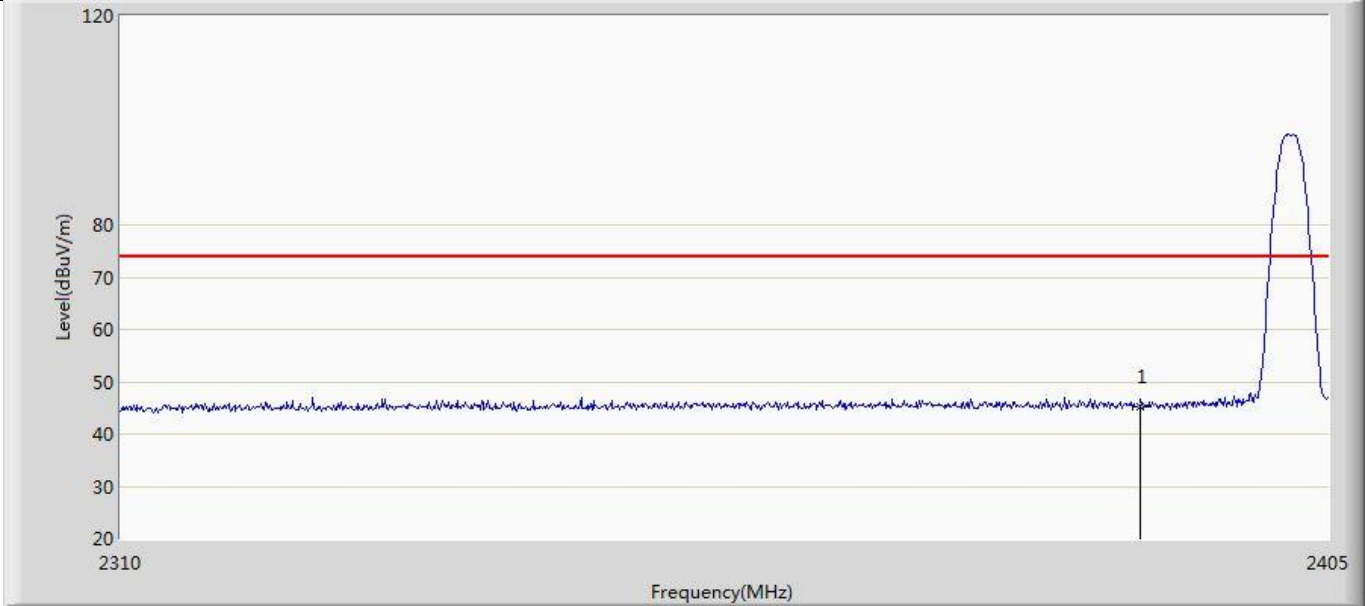
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	44.958	10.807	-29.042	74.000	34.151	PK

Profile: 2410570R	Page No.: 2
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 18:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS Station	Power: AC 120V/60Hz
Note: Mode 1 : Transmit at 2402MHz by LE_1Mbps	



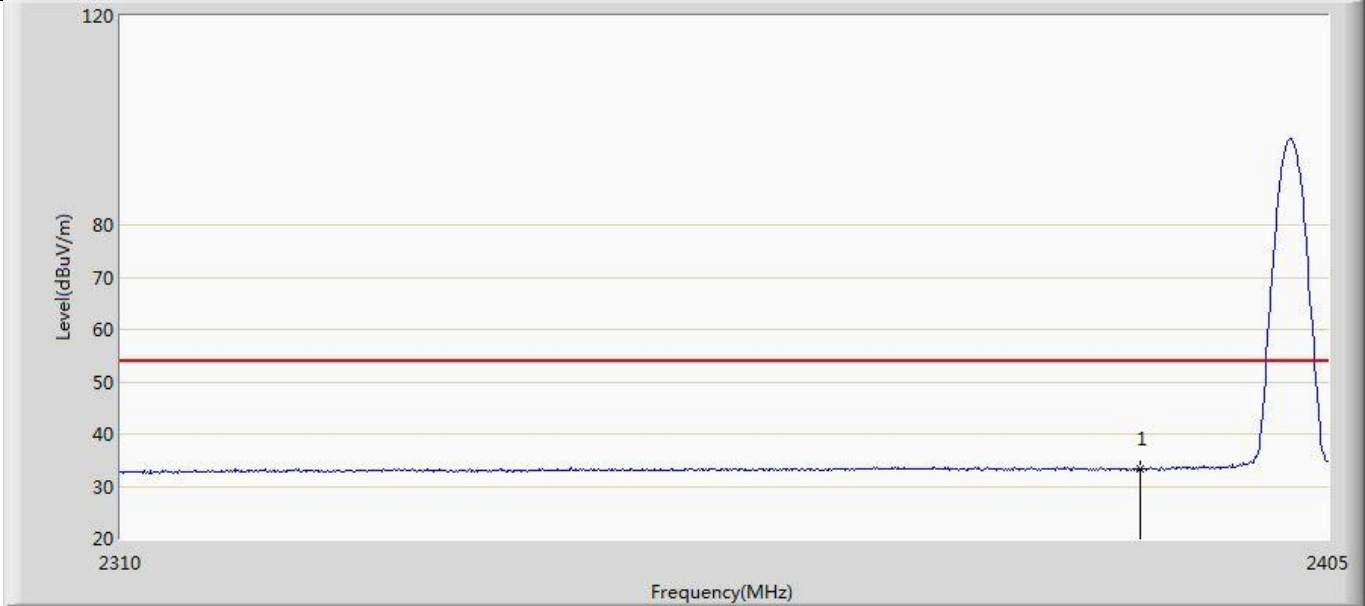
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	33.493	-0.658	-20.507	54.000	34.151	AV

Profile: 2410570R	Page No.: 3
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 18:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS Station	Power: AC 120V/60Hz
Note: Mode 1 : Transmit at 2402MHz by LE_1Mbps	



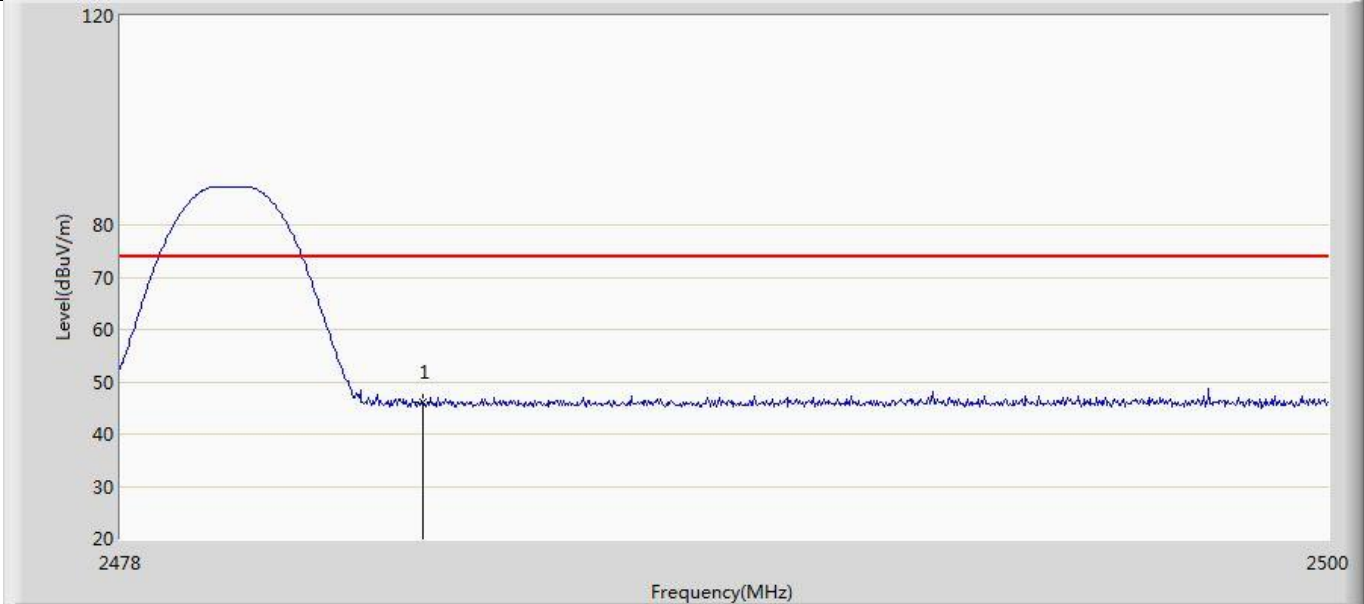
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	45.352	11.201	-28.648	74.000	34.151	PK

Profile: 2410570R	Page No.: 4
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 18:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS Station	Power: AC 120V/60Hz
Note: Mode 1 : Transmit at 2402MHz by LE_1Mbps	



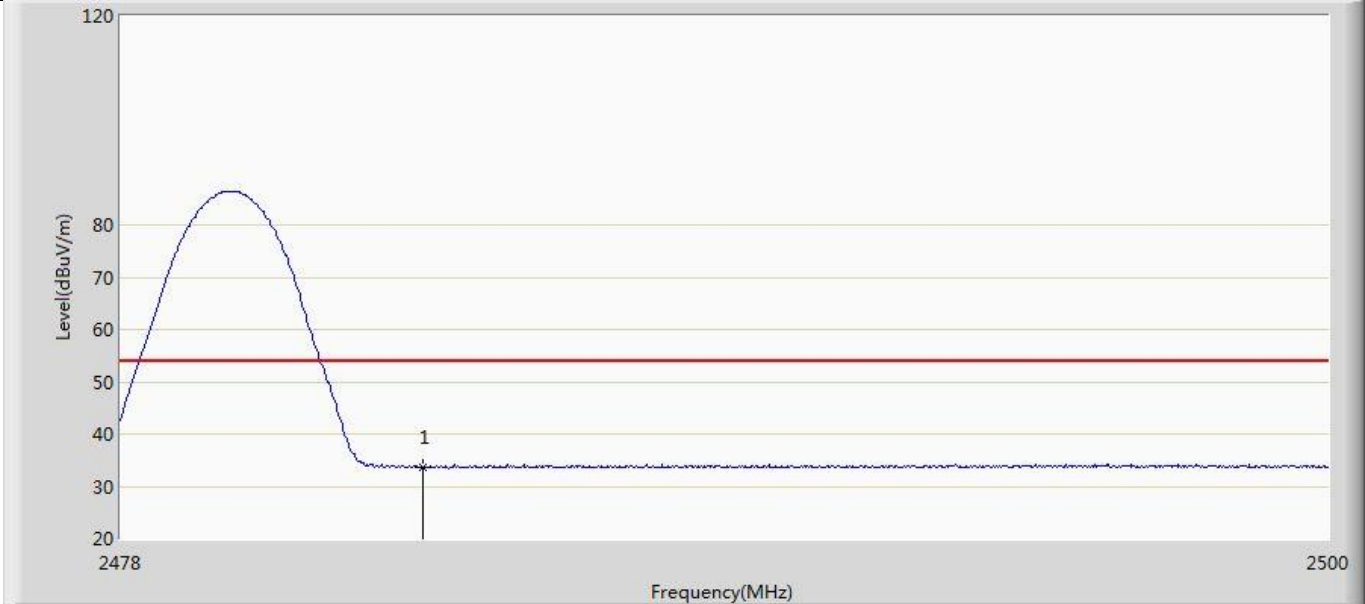
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	33.243	-0.908	-20.757	54.000	34.151	AV

Profile: 2410570R	Page No.: 5
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 18:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS Station	Power: AC 120V/60Hz
Note: Mode 1 : Transmit at 2480MHz by LE_1Mbps	



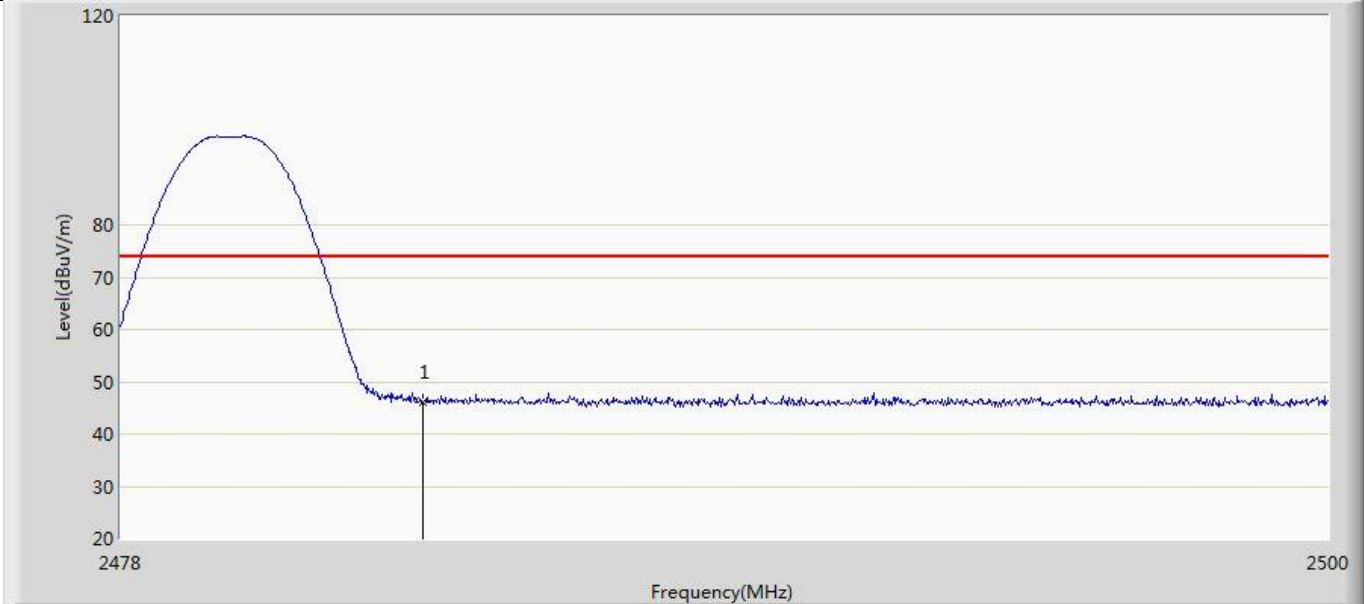
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	46.083	11.627	-27.917	74.000	34.456	PK

Profile: 2410570R	Page No.: 6
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 18:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS Station	Power: AC 120V/60Hz
Note: Mode 1 : Transmit at 2480MHz by LE_1Mbps	



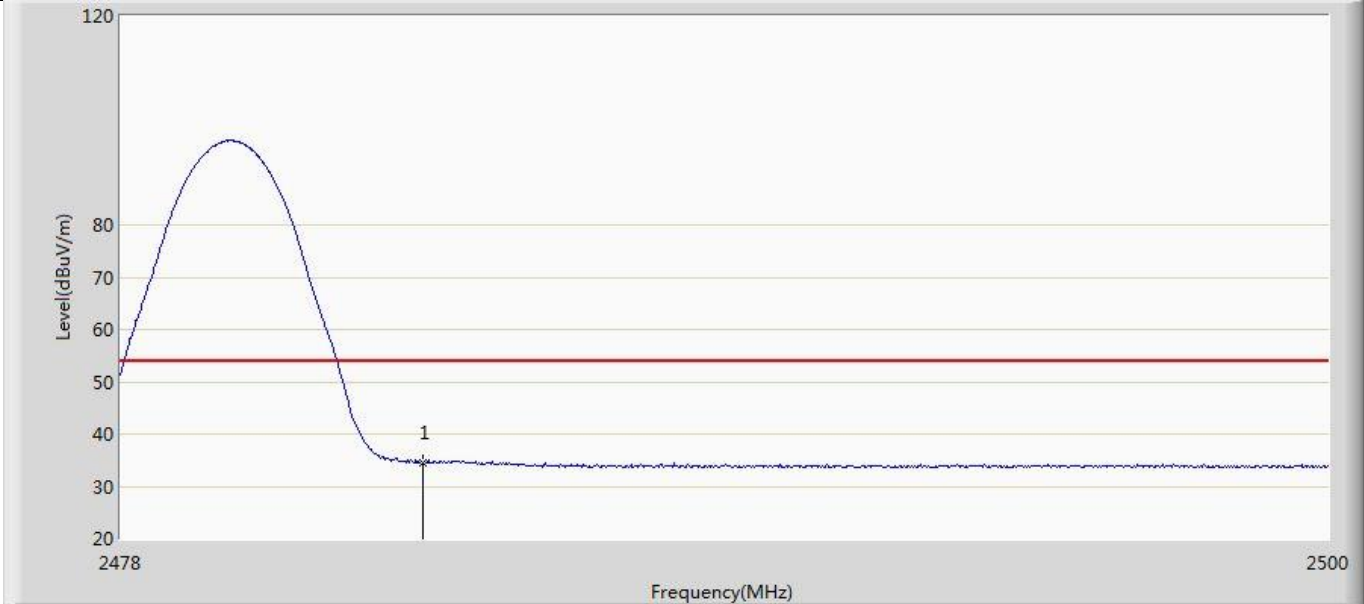
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	33.498	-0.958	-20.502	54.000	34.456	AV

Profile: 2410570R	Page No.: 7
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 18:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS Station	Power: AC 120V/60Hz
Note: Mode 1 : Transmit at 2480MHz by LE_1Mbps	



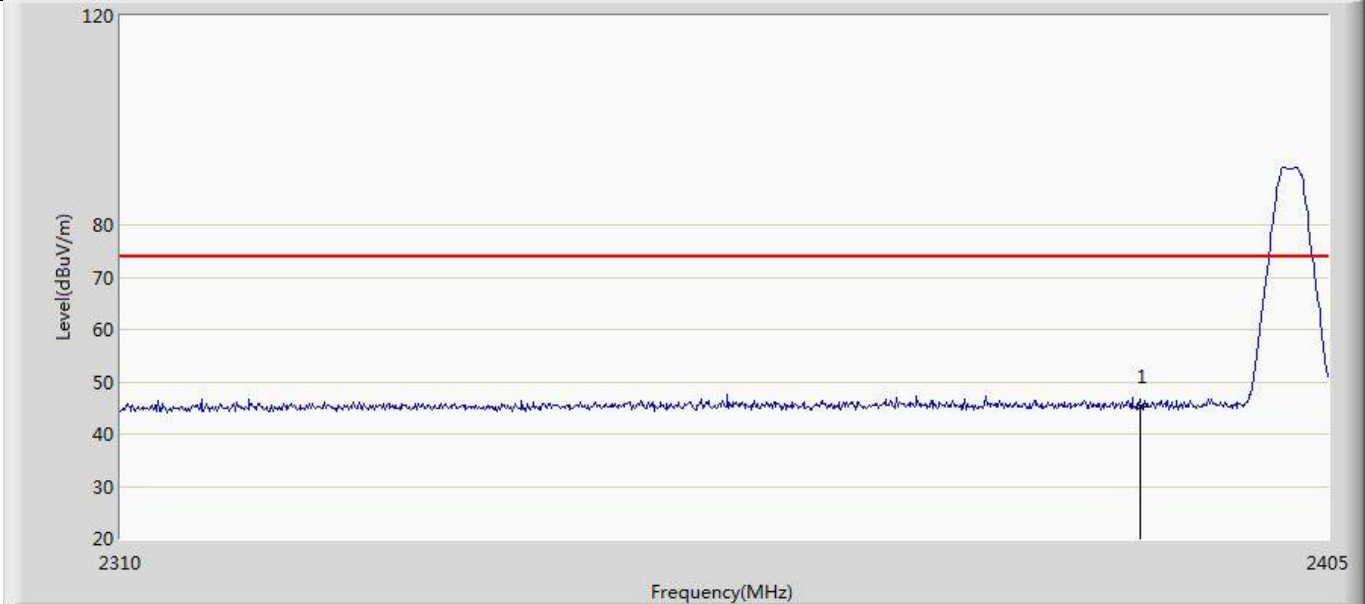
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	46.109	11.653	-27.891	74.000	34.456	PK

Profile: 2410570R	Page No.: 8
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 18:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS Station	Power: AC 120V/60Hz
Note: Mode 1 : Transmit at 2480MHz by LE_1Mbps	



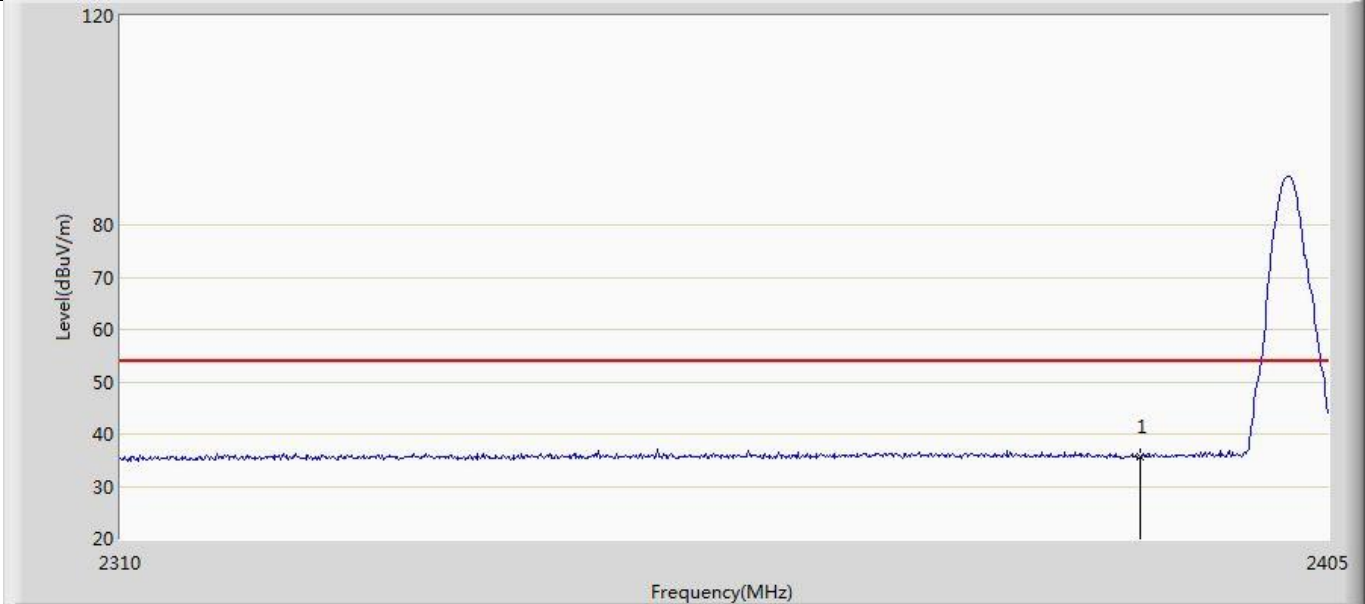
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	34.567	0.111	-19.433	54.000	34.456	AV

Profile: 2410570R	Page No.: 9
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 18:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS Station	Power: AC 120V/60Hz
Note: Mode 2 : Transmit at 2402MHz by LE_2Mbps	



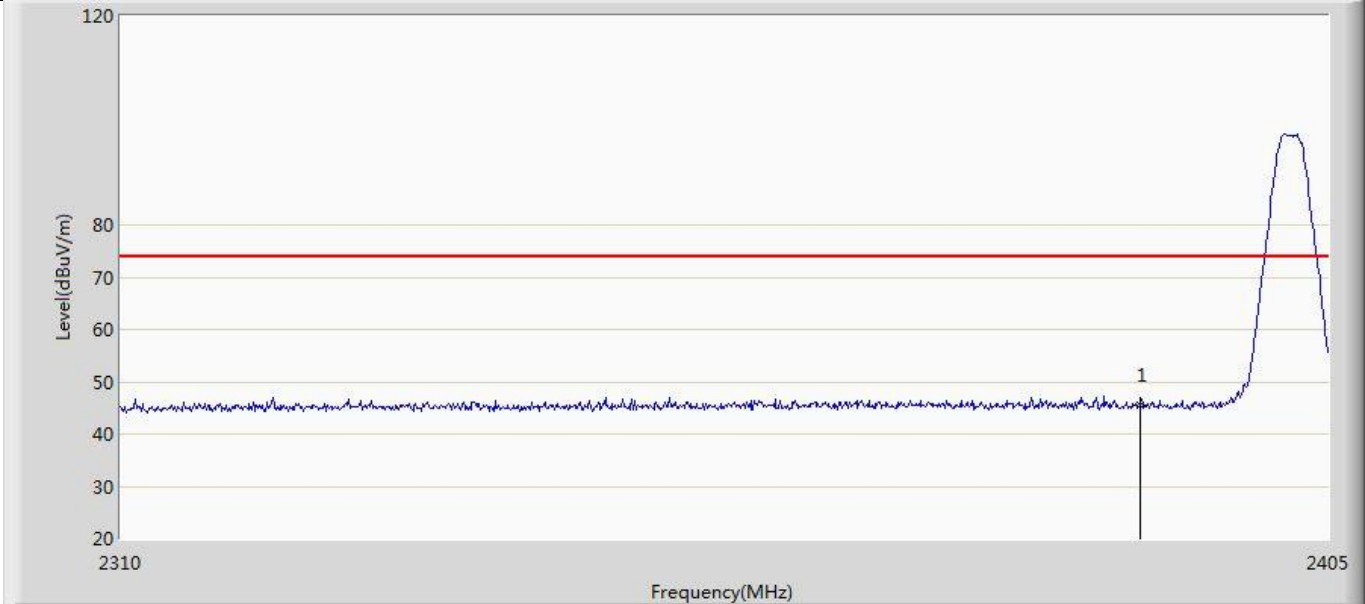
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	45.315	11.164	-28.685	74.000	34.151	PK

Profile: 2410570R	Page No.: 10
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 18:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS Station	Power: AC 120V/60Hz
Note: Mode 2 : Transmit at 2402MHz by LE_2Mbps	



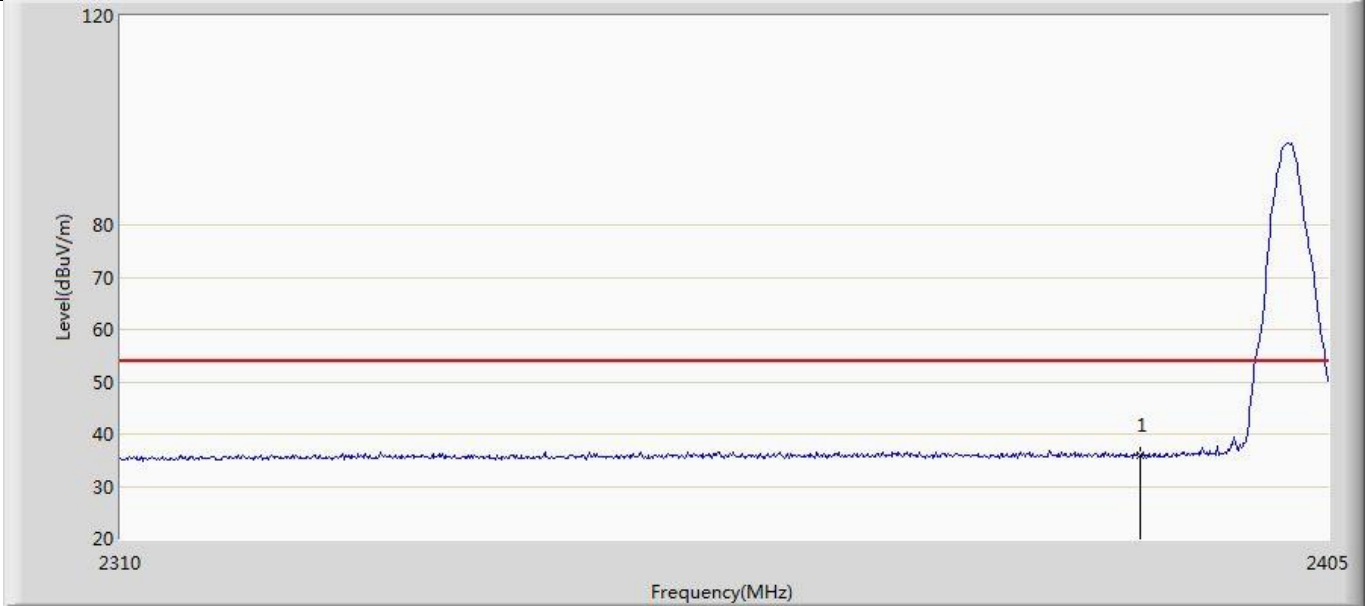
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	35.702	1.551	-18.298	54.000	34.151	AV

Profile: 2410570R	Page No.: 11
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 18:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS Station	Power: AC 120V/60Hz
Note: Mode 2 : Transmit at 2402MHz by LE_2Mbps	



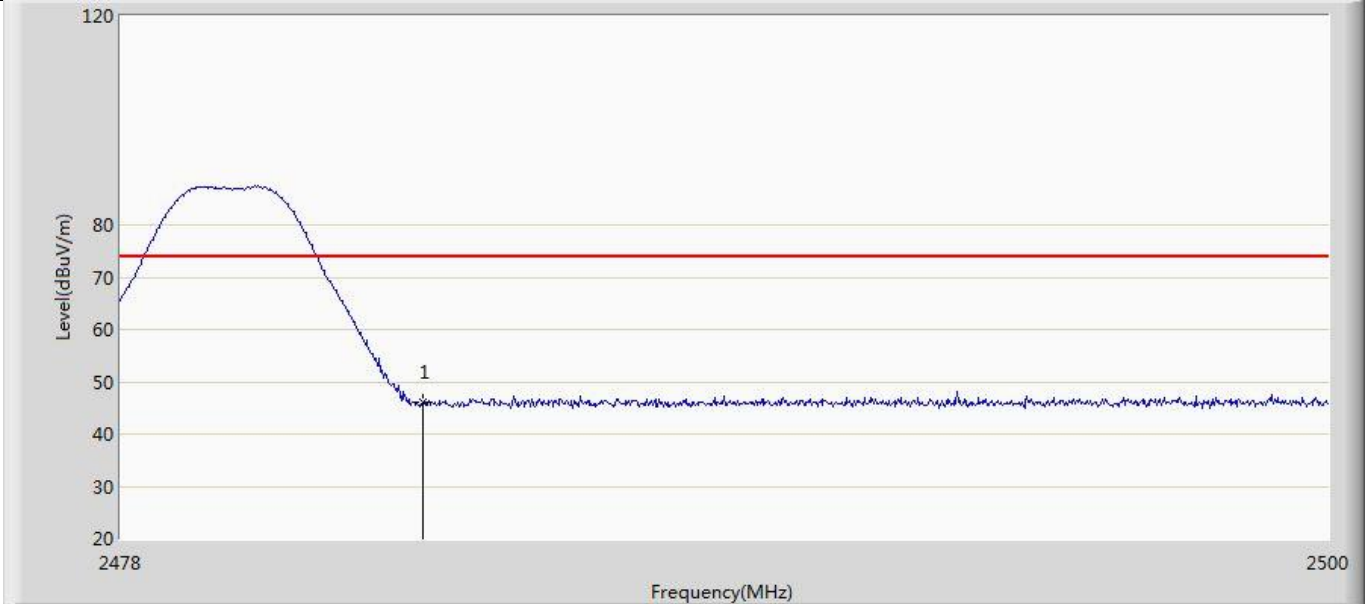
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	45.522	11.371	-28.478	74.000	34.151	PK

Profile: 2410570R	Page No.: 12
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 18:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS Station	Power: AC 120V/60Hz
Note: Mode 2 : Transmit at 2402MHz by LE_2Mbps	



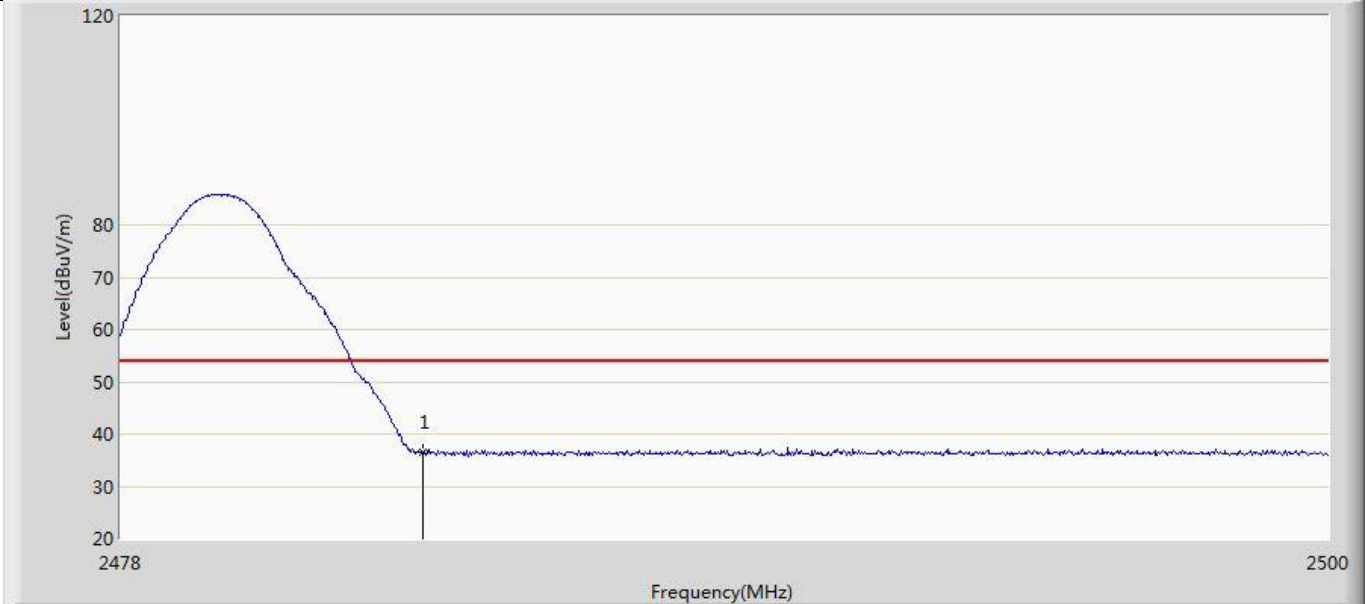
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	36.006	1.855	-17.994	54.000	34.151	AV

Profile: 2410570R	Page No.: 13
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 18:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS Station	Power: AC 120V/60Hz
Note: Mode 2 : Transmit at 2480MHz by LE_2Mbps	



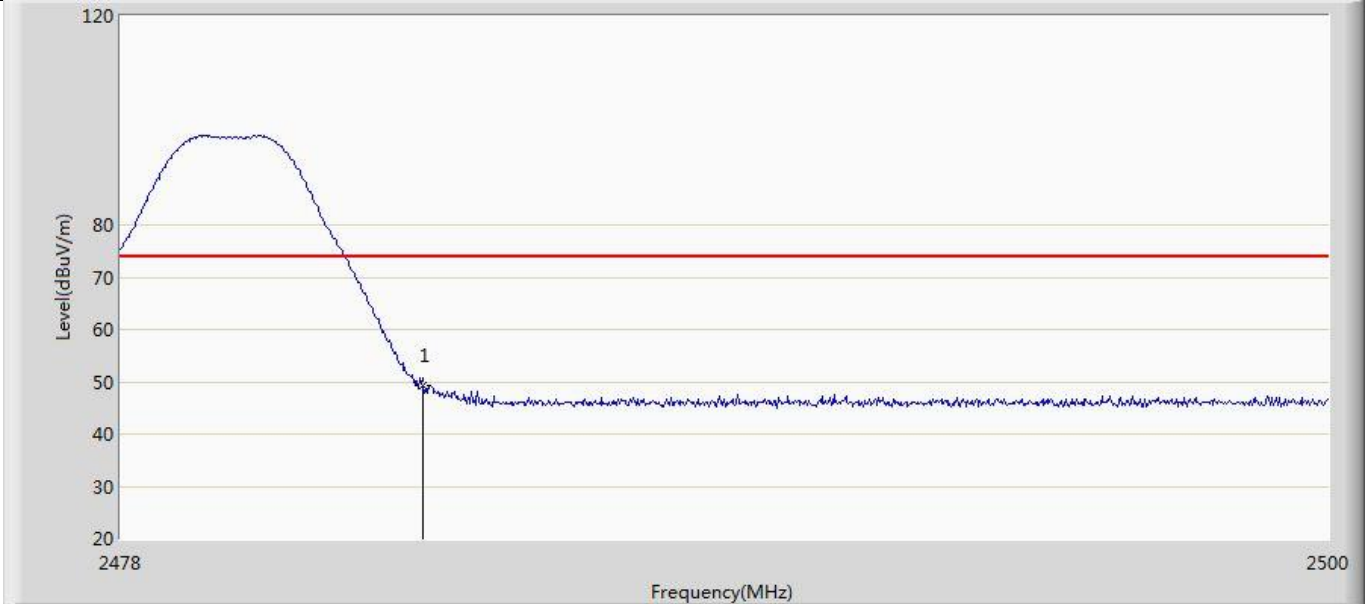
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	46.207	11.751	-27.793	74.000	34.456	PK

Profile: 2410570R	Page No.: 14
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 18:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS Station	Power: AC 120V/60Hz
Note: Mode 2 : Transmit at 2480MHz by LE_2Mbps	



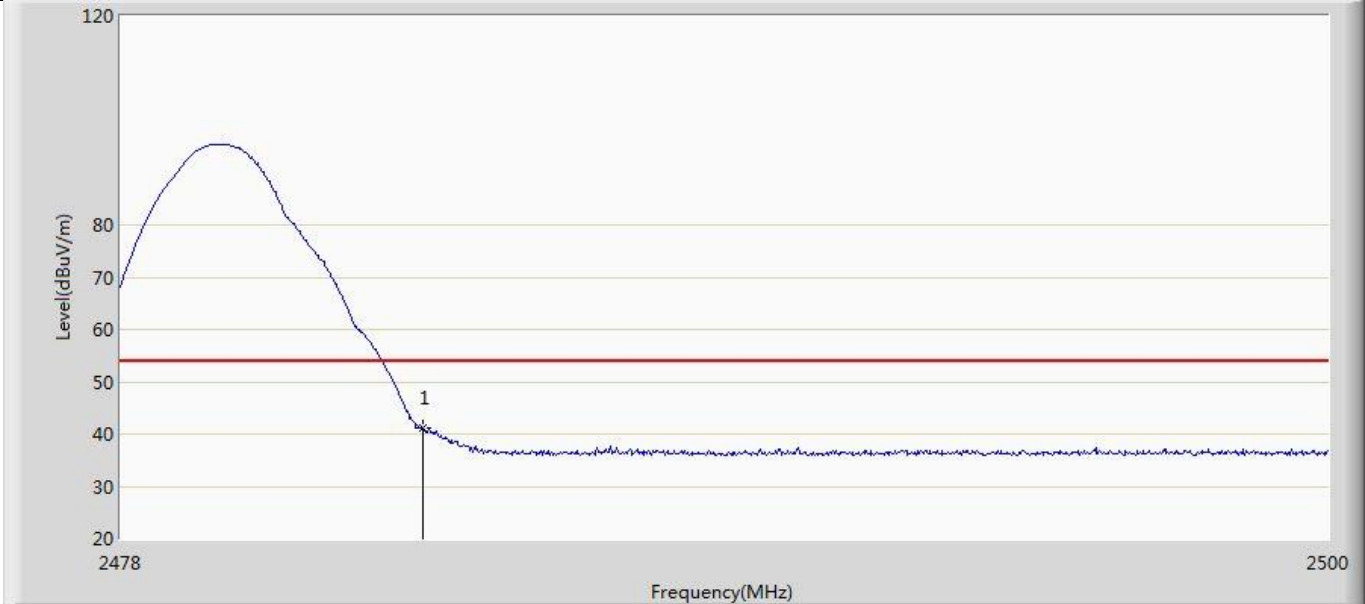
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	36.384	1.928	-17.616	54.000	34.456	AV

Profile: 2410570R	Page No.: 15
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 18:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS Station	Power: AC 120V/60Hz
Note: Mode 2 : Transmit at 2480MHz by LE_2Mbps	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	49.306	14.850	-24.694	74.000	34.456	PK

Profile: 2410570R	Page No.: 16
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 18:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS Station	Power: AC 120V/60Hz
Note: Mode 2 : Transmit at 2480MHz by LE_2Mbps	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	41.020	6.564	-12.980	54.000	34.456	AV

Note:

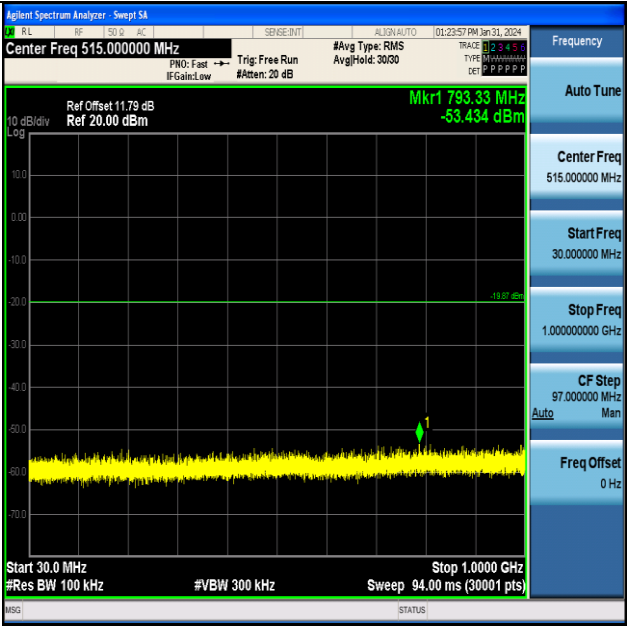
1. " * ", means this data is the worst emission level.
2. Measured Level = Reading Level + Factor.

10 TEST RESULT-APPENDIX F: CONDUCTED SPURIOUS EMISSION

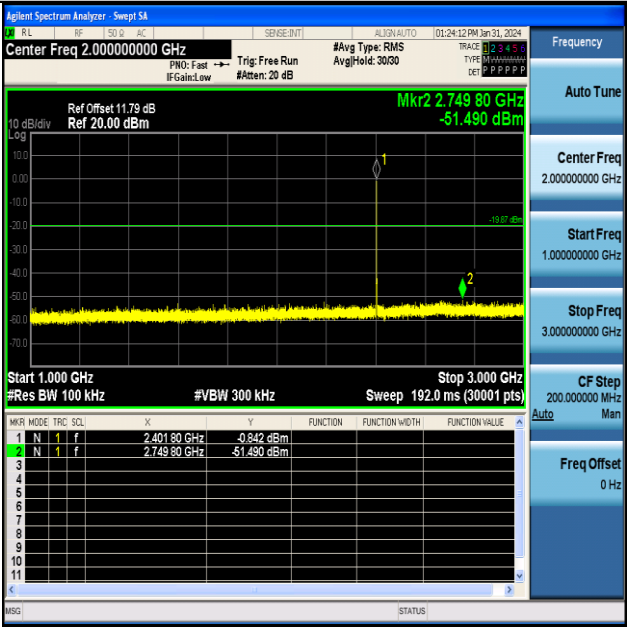
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~1000	0.13	-53.43	≤-19.87	PASS
BLE_1M	Ant1	2402	1000~3000	0.13	-51.49	≤-19.87	PASS
BLE_1M	Ant1	2402	3000~5000	0.13	-49.6	≤-19.87	PASS
BLE_1M	Ant1	2402	5000~7000	0.13	-51.2	≤-19.87	PASS
BLE_1M	Ant1	2402	7000~9000	0.13	-51.97	≤-19.87	PASS
BLE_1M	Ant1	2402	9000~11000	0.13	-51	≤-19.87	PASS
BLE_1M	Ant1	2402	11000~13000	0.13	-51.76	≤-19.87	PASS
BLE_1M	Ant1	2402	13000~15000	0.13	-46.66	≤-19.87	PASS
BLE_1M	Ant1	2402	15000~17000	0.13	-45.56	≤-19.87	PASS
BLE_1M	Ant1	2402	17000~19000	0.13	-44.47	≤-19.87	PASS
BLE_1M	Ant1	2402	19000~21000	0.13	-42.98	≤-19.87	PASS
BLE_1M	Ant1	2402	21000~23000	0.13	-42.85	≤-19.87	PASS
BLE_1M	Ant1	2402	23000~25000	0.13	-41.84	≤-19.87	PASS
BLE_1M	Ant1	2440	30~1000	0.47	-53.13	≤-19.53	PASS
BLE_1M	Ant1	2440	1000~3000	0.47	-51.96	≤-19.53	PASS
BLE_1M	Ant1	2440	3000~5000	0.47	-49.93	≤-19.53	PASS
BLE_1M	Ant1	2440	5000~7000	0.47	-51.46	≤-19.53	PASS
BLE_1M	Ant1	2440	7000~9000	0.47	-51.98	≤-19.53	PASS
BLE_1M	Ant1	2440	9000~11000	0.47	-51.08	≤-19.53	PASS
BLE_1M	Ant1	2440	11000~13000	0.47	-51.87	≤-19.53	PASS
BLE_1M	Ant1	2440	13000~15000	0.47	-47.28	≤-19.53	PASS
BLE_1M	Ant1	2440	15000~17000	0.47	-44.8	≤-19.53	PASS
BLE_1M	Ant1	2440	17000~19000	0.47	-45.05	≤-19.53	PASS
BLE_1M	Ant1	2440	19000~21000	0.47	-42.87	≤-19.53	PASS
BLE_1M	Ant1	2440	21000~23000	0.47	-43.22	≤-19.53	PASS
BLE_1M	Ant1	2440	23000~25000	0.47	-41.83	≤-19.53	PASS
BLE_1M	Ant1	2480	30~1000	0.41	-53.77	≤-19.59	PASS
BLE_1M	Ant1	2480	1000~3000	0.41	-51.99	≤-19.59	PASS
BLE_1M	Ant1	2480	3000~5000	0.41	-50.52	≤-19.59	PASS
BLE_1M	Ant1	2480	5000~7000	0.41	-50.95	≤-19.59	PASS
BLE_1M	Ant1	2480	7000~9000	0.41	-52.12	≤-19.59	PASS
BLE_1M	Ant1	2480	9000~11000	0.41	-51.45	≤-19.59	PASS
BLE_1M	Ant1	2480	11000~13000	0.41	-50.43	≤-19.59	PASS
BLE_1M	Ant1	2480	13000~15000	0.41	-47.32	≤-19.59	PASS
BLE_1M	Ant1	2480	15000~17000	0.41	-45.17	≤-19.59	PASS
BLE_1M	Ant1	2480	17000~19000	0.41	-45.25	≤-19.59	PASS
BLE_1M	Ant1	2480	19000~21000	0.41	-43.6	≤-19.59	PASS
BLE_1M	Ant1	2480	21000~23000	0.41	-41.88	≤-19.59	PASS
BLE_1M	Ant1	2480	23000~25000	0.41	-41.43	≤-19.59	PASS
BLE_2M	Ant1	2402	30~1000	0.18	-53.25	≤-19.82	PASS
BLE_2M	Ant1	2402	1000~3000	0.18	-51.65	≤-19.82	PASS
BLE_2M	Ant1	2402	3000~5000	0.18	-50.16	≤-19.82	PASS
BLE_2M	Ant1	2402	5000~7000	0.18	-50.9	≤-19.82	PASS
BLE_2M	Ant1	2402	7000~9000	0.18	-51.62	≤-19.82	PASS
BLE_2M	Ant1	2402	9000~11000	0.18	-51.25	≤-19.82	PASS

BLE_2M	Ant1	2402	11000~13000	0.18	-51.47	≤-19.82	PASS
BLE_2M	Ant1	2402	13000~15000	0.18	-46.66	≤-19.82	PASS
BLE_2M	Ant1	2402	15000~17000	0.18	-44.1	≤-19.82	PASS
BLE_2M	Ant1	2402	17000~19000	0.18	-44.8	≤-19.82	PASS
BLE_2M	Ant1	2402	19000~21000	0.18	-43.02	≤-19.82	PASS
BLE_2M	Ant1	2402	21000~23000	0.18	-42.15	≤-19.82	PASS
BLE_2M	Ant1	2402	23000~25000	0.18	-41.34	≤-19.82	PASS
BLE_2M	Ant1	2440	30~1000	0.45	-53.37	≤-19.55	PASS
BLE_2M	Ant1	2440	1000~3000	0.45	-51.08	≤-19.55	PASS
BLE_2M	Ant1	2440	3000~5000	0.45	-50.43	≤-19.55	PASS
BLE_2M	Ant1	2440	5000~7000	0.45	-50.92	≤-19.55	PASS
BLE_2M	Ant1	2440	7000~9000	0.45	-51.72	≤-19.55	PASS
BLE_2M	Ant1	2440	9000~11000	0.45	-51.04	≤-19.55	PASS
BLE_2M	Ant1	2440	11000~13000	0.45	-51.78	≤-19.55	PASS
BLE_2M	Ant1	2440	13000~15000	0.45	-46.37	≤-19.55	PASS
BLE_2M	Ant1	2440	15000~17000	0.45	-45.22	≤-19.55	PASS
BLE_2M	Ant1	2440	17000~19000	0.45	-45.01	≤-19.55	PASS
BLE_2M	Ant1	2440	19000~21000	0.45	-42.93	≤-19.55	PASS
BLE_2M	Ant1	2440	21000~23000	0.45	-42.9	≤-19.55	PASS
BLE_2M	Ant1	2440	23000~25000	0.45	-41.76	≤-19.55	PASS
BLE_2M	Ant1	2480	30~1000	0.64	-53.24	≤-19.36	PASS
BLE_2M	Ant1	2480	1000~3000	0.64	-52.05	≤-19.36	PASS
BLE_2M	Ant1	2480	3000~5000	0.64	-50.59	≤-19.36	PASS
BLE_2M	Ant1	2480	5000~7000	0.64	-51.39	≤-19.36	PASS
BLE_2M	Ant1	2480	7000~9000	0.64	-51.98	≤-19.36	PASS
BLE_2M	Ant1	2480	9000~11000	0.64	-51.68	≤-19.36	PASS
BLE_2M	Ant1	2480	11000~13000	0.64	-52.01	≤-19.36	PASS
BLE_2M	Ant1	2480	13000~15000	0.64	-47.13	≤-19.36	PASS
BLE_2M	Ant1	2480	15000~17000	0.64	-45.29	≤-19.36	PASS
BLE_2M	Ant1	2480	17000~19000	0.64	-44.96	≤-19.36	PASS
BLE_2M	Ant1	2480	19000~21000	0.64	-43.57	≤-19.36	PASS
BLE_2M	Ant1	2480	21000~23000	0.64	-42.24	≤-19.36	PASS
BLE_2M	Ant1	2480	23000~25000	0.64	-41.41	≤-19.36	PASS

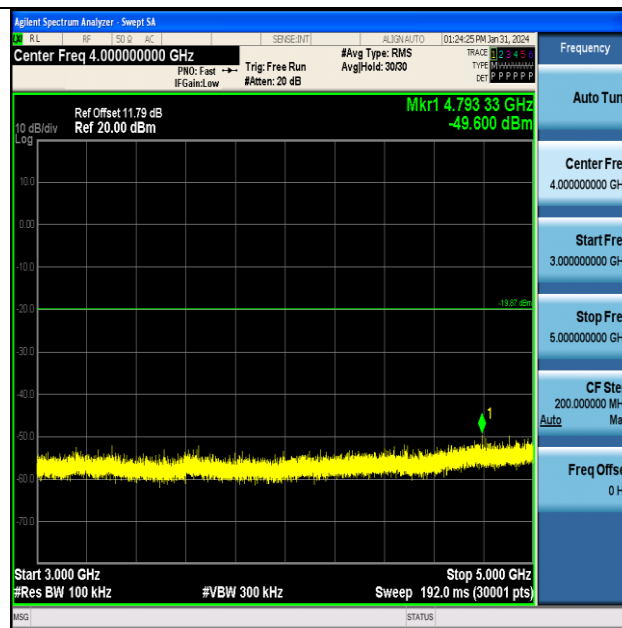
Test Graphs



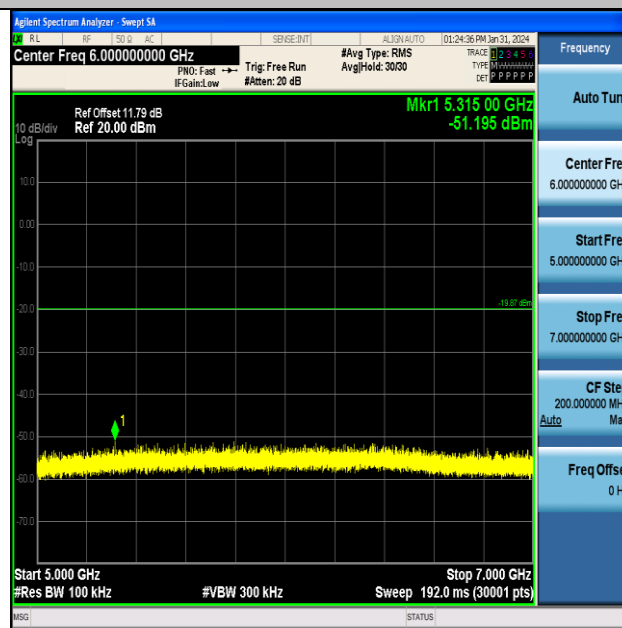
BLE_1M-Ant1-2402-30~1000-PASS



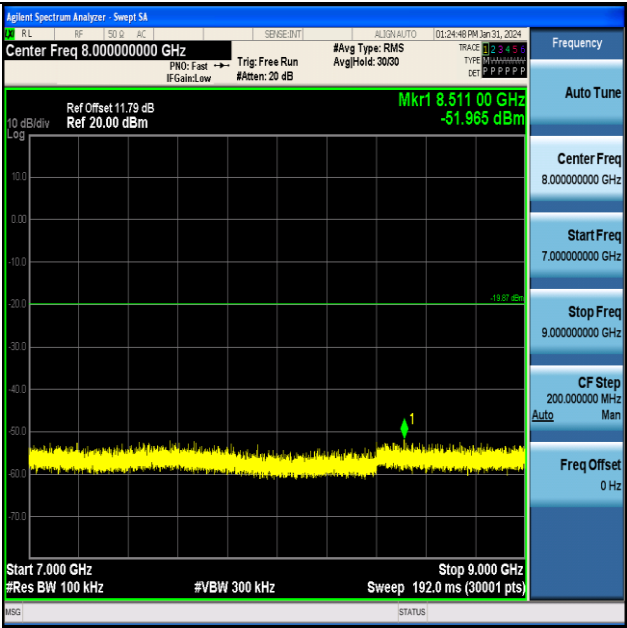
BLE_1M-Ant1-2402-1000~3000-PASS



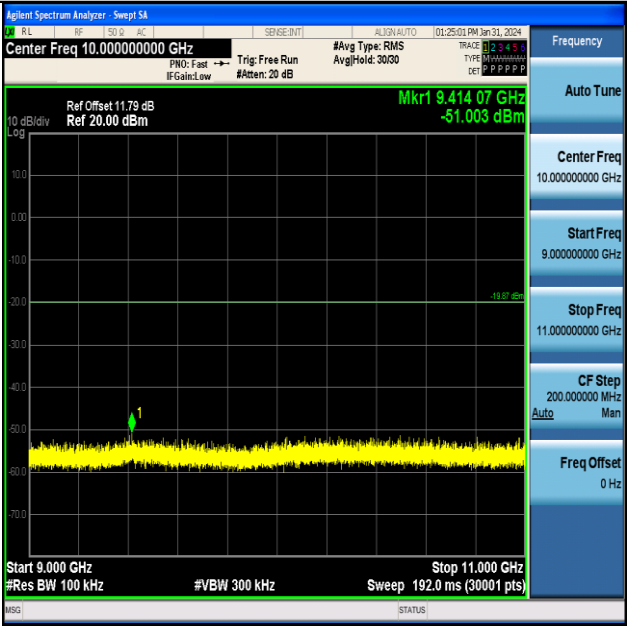
BLE_1M-Ant1-2402-3000~5000-PASS



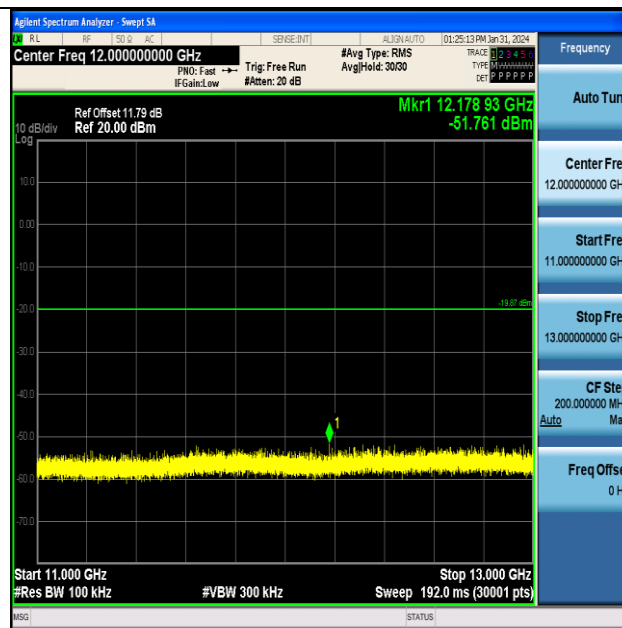
BLE_1M-Ant1-2402-5000~7000-PASS



BLE_1M-Ant1-2402-7000~9000-PASS



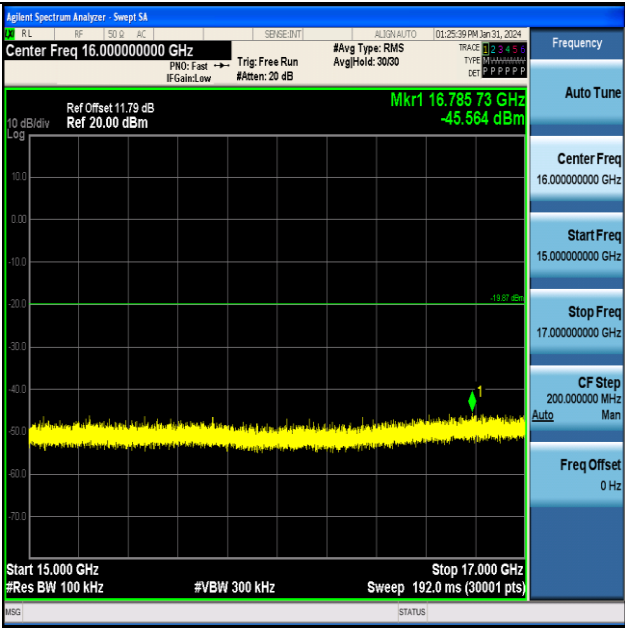
BLE_1M-Ant1-2402-9000~11000-PASS



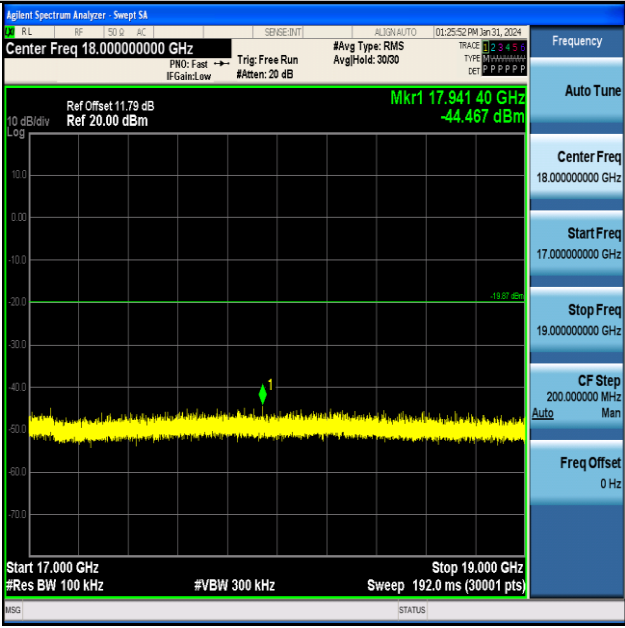
BLE_1M-Ant1-2402-11000~13000-PASS



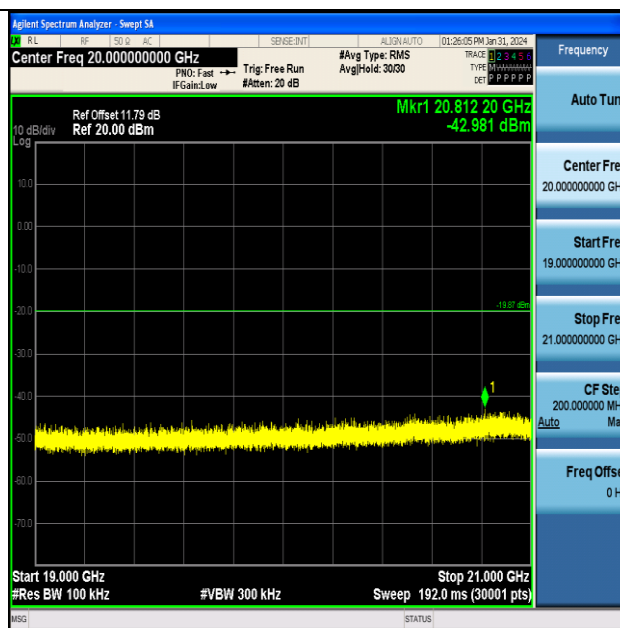
BLE_1M-Ant1-2402-13000~15000-PASS



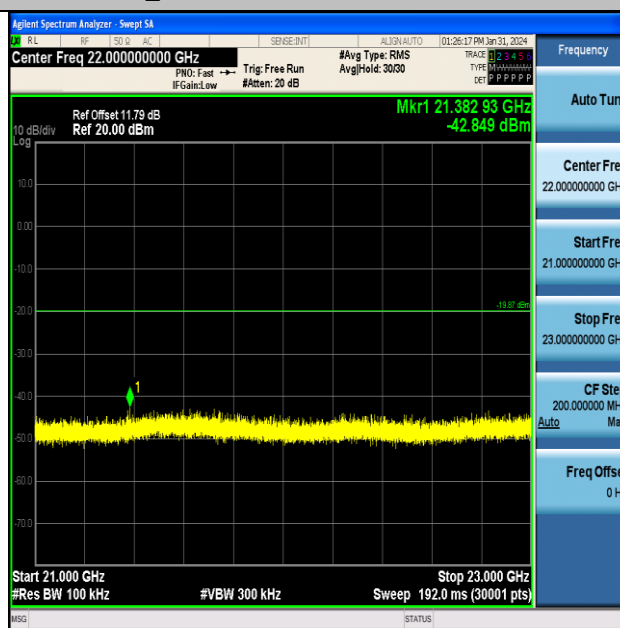
BLE_1M-Ant1-2402-15000~17000-PASS



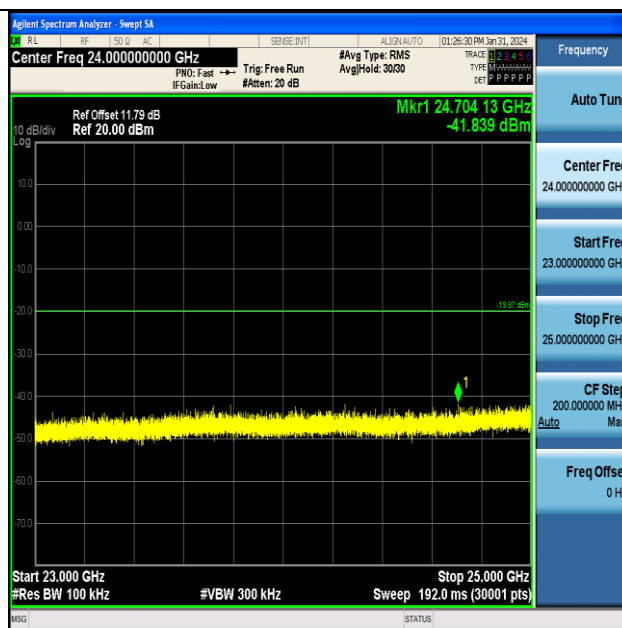
BLE_1M-Ant1-2402-17000~19000-PASS



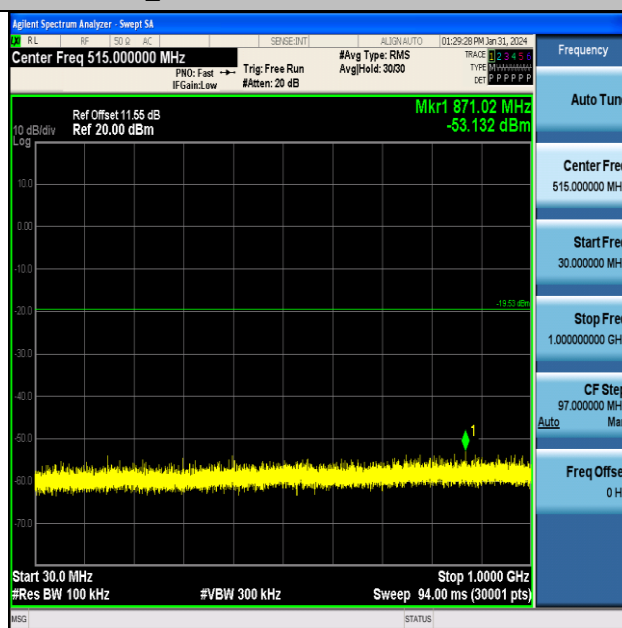
BLE_1M-Ant1-2402-19000~21000-PASS



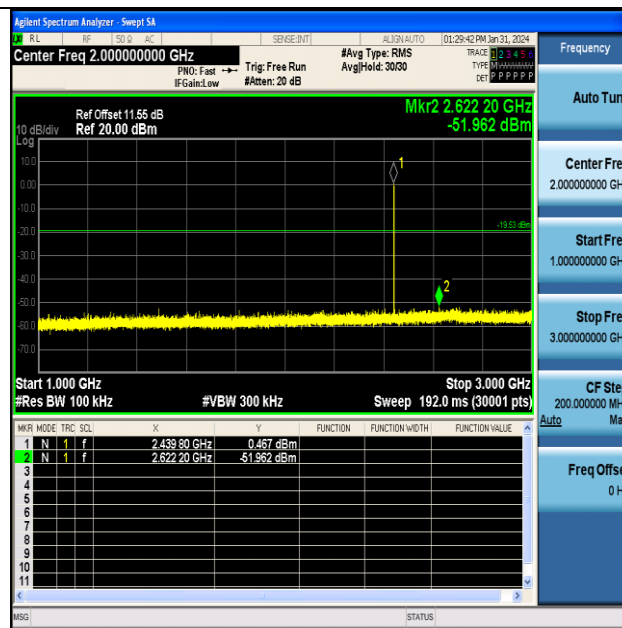
BLE_1M-Ant1-2402-21000~23000-PASS



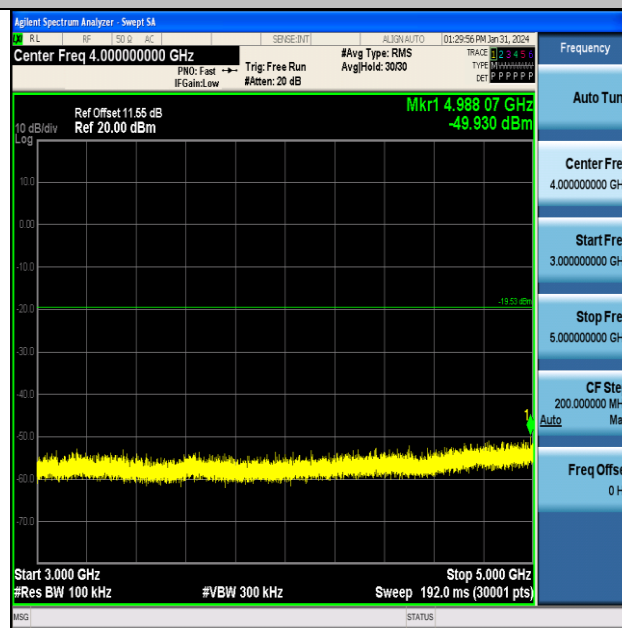
BLE_1M-Ant1-2402-23000~25000-PASS



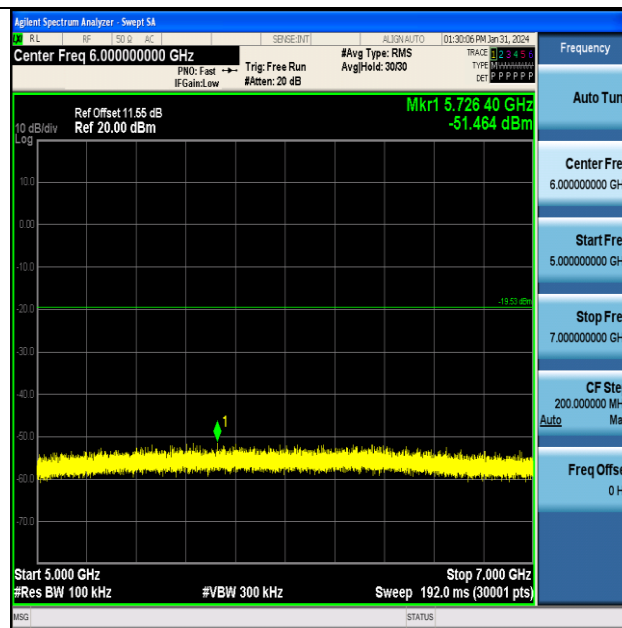
BLE_1M-Ant1-2440-30~1000-PASS



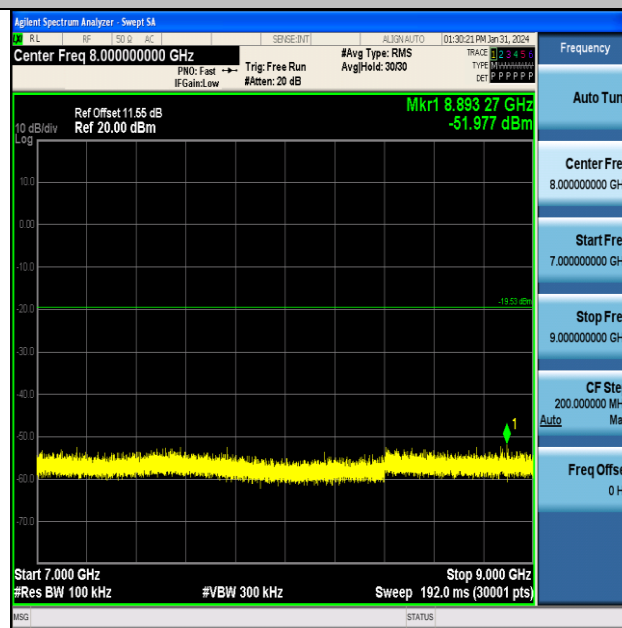
BLE_1M-Ant1-2440-1000~3000-PASS



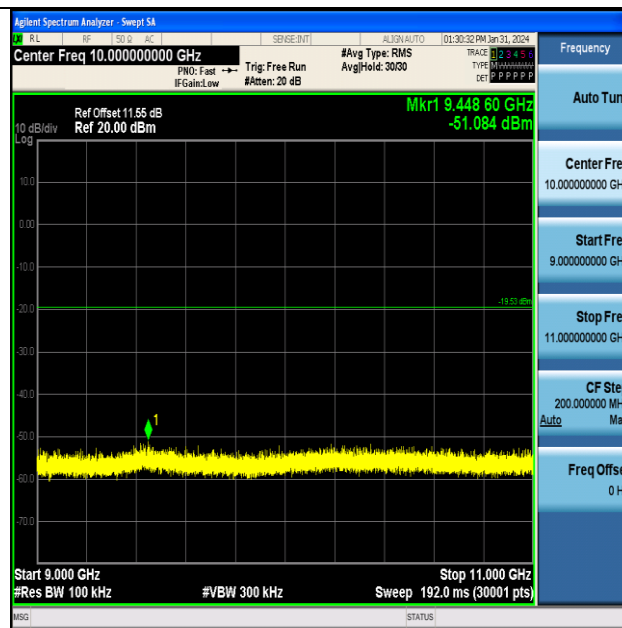
BLE_1M-Ant1-2440-3000~5000-PASS



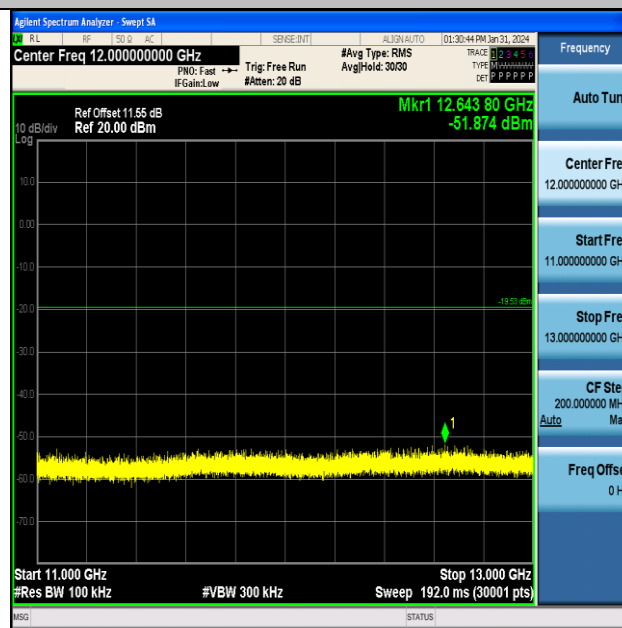
BLE_1M-Ant1-2440-5000~7000-PASS



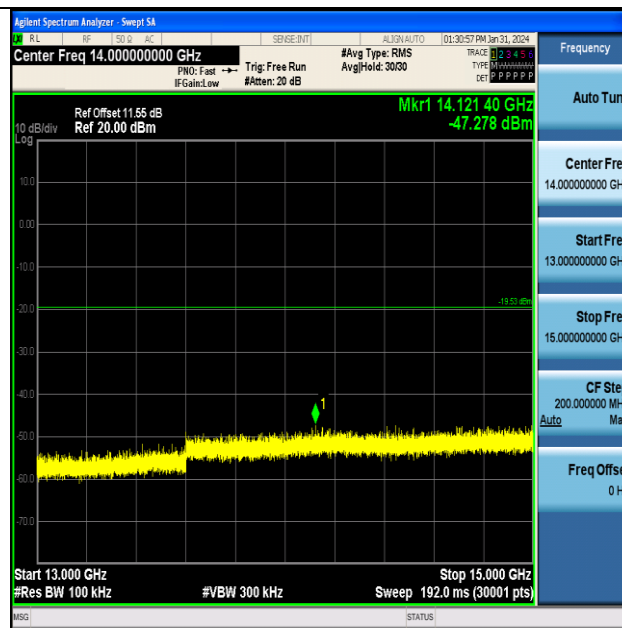
BLE_1M-Ant1-2440-7000~9000-PASS



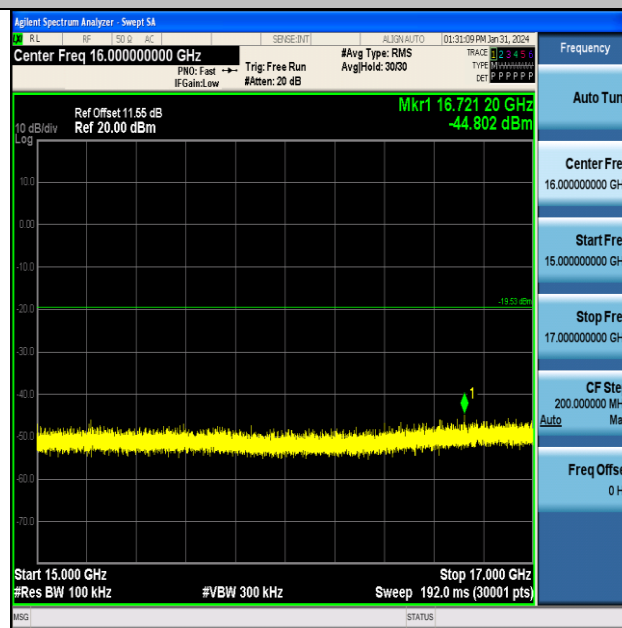
BLE_1M-Ant1-2440-9000~11000-PASS



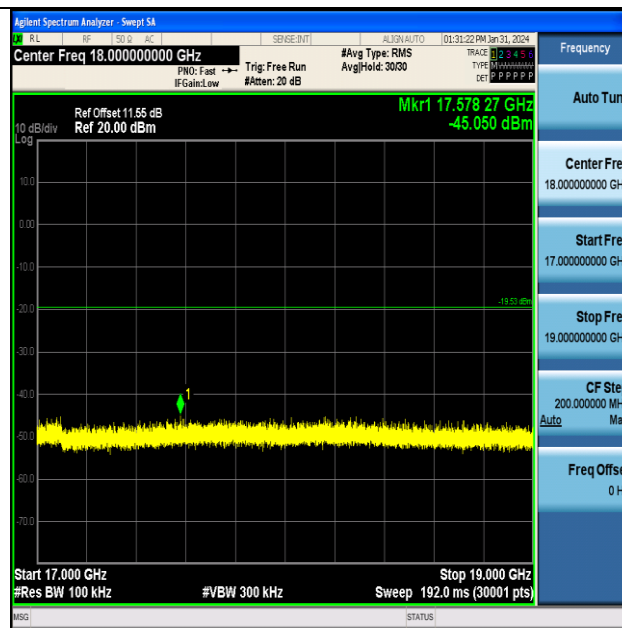
BLE_1M-Ant1-2440-11000~13000-PASS



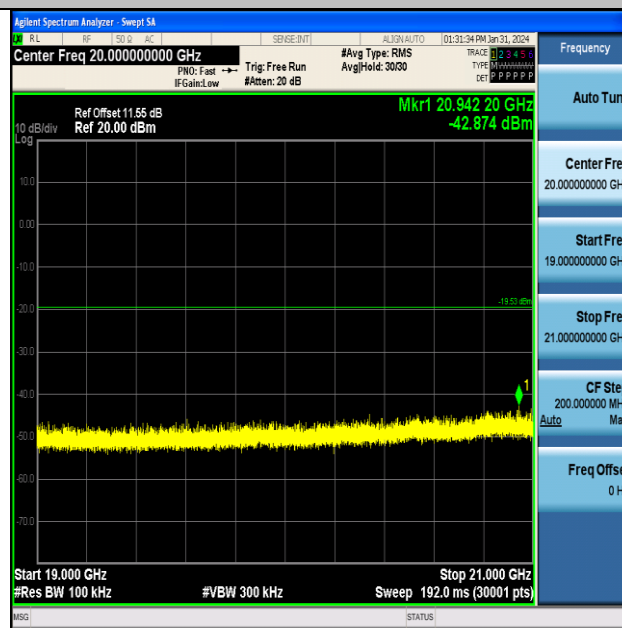
BLE_1M-Ant1-2440-13000~15000-PASS



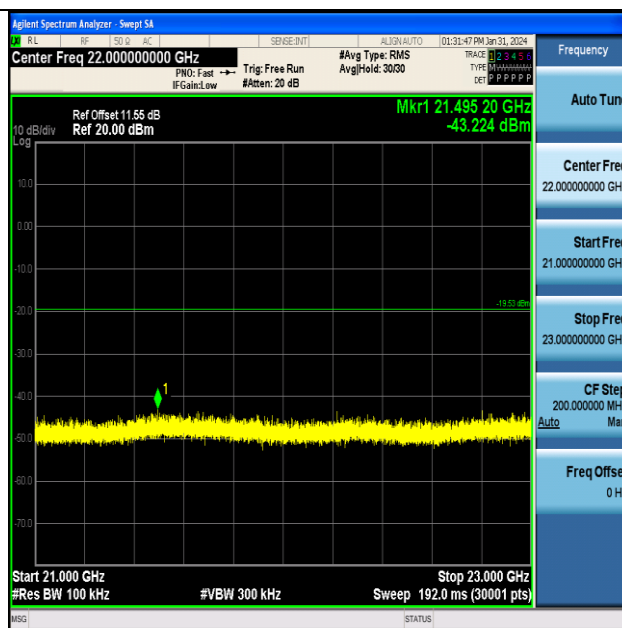
BLE_1M-Ant1-2440-15000~17000-PASS



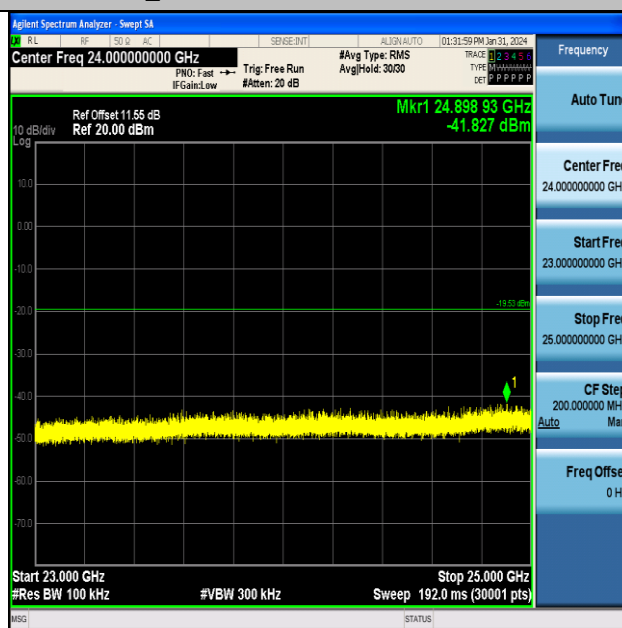
BLE_1M-Ant1-2440-17000~19000-PASS



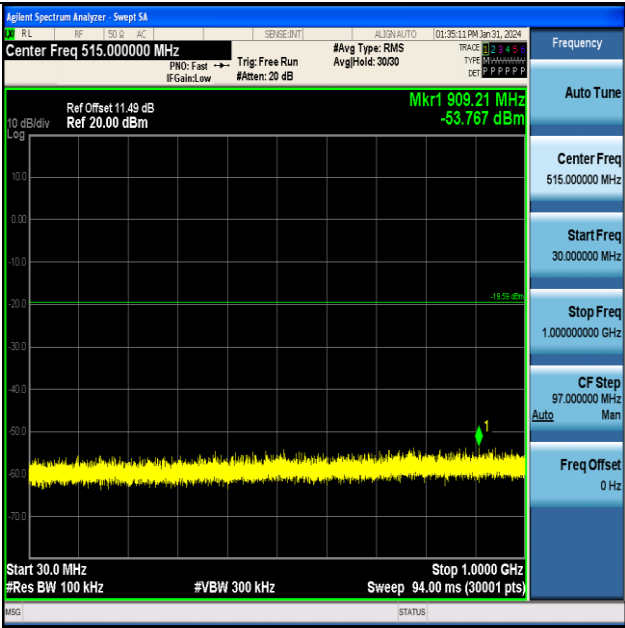
BLE_1M-Ant1-2440-19000~21000-PASS



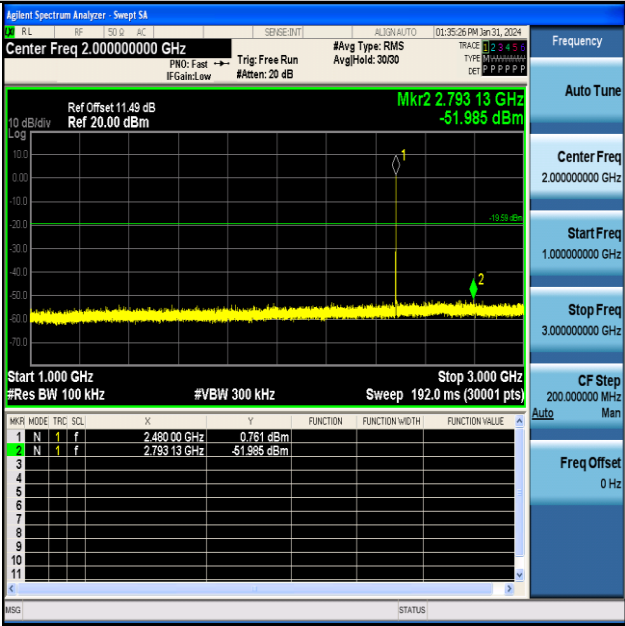
BLE_1M-Ant1-2440-21000~23000-PASS



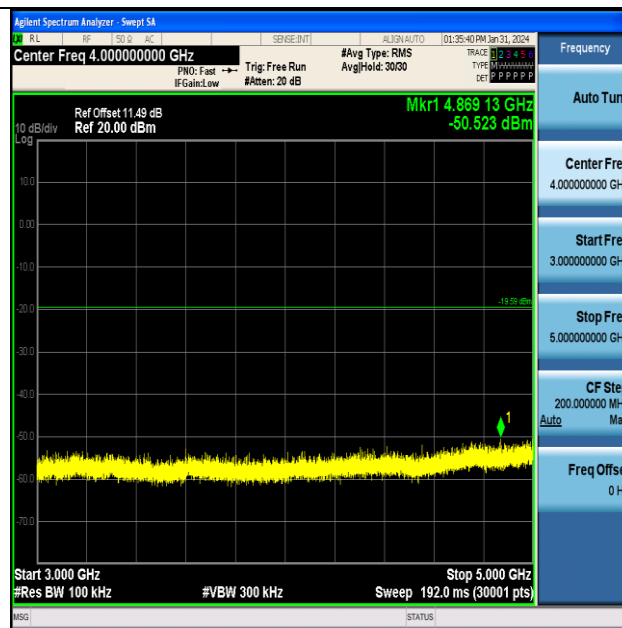
BLE_1M-Ant1-2440-23000~25000-PASS



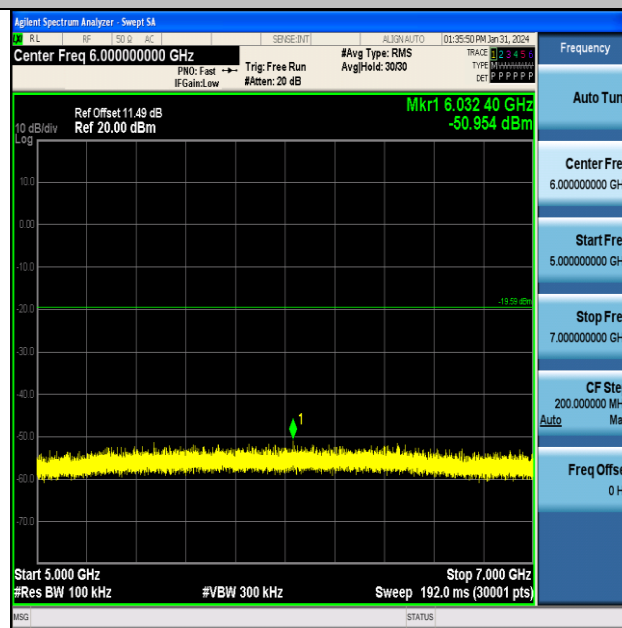
BLE_1M-Ant1-2480-30~1000-PASS



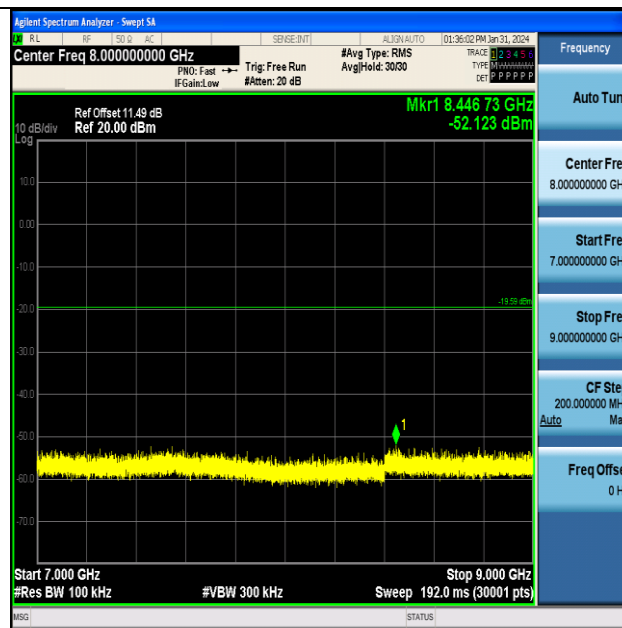
BLE_1M-Ant1-2480-1000~3000-PASS



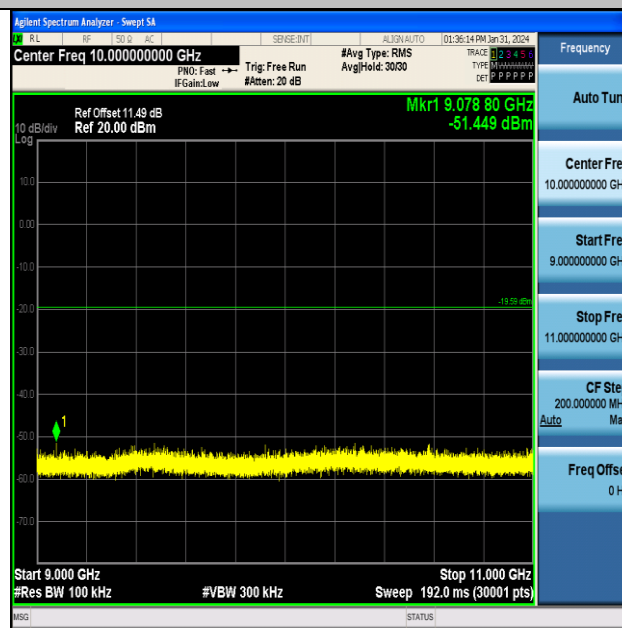
BLE_1M-Ant1-2480-3000~5000-PASS



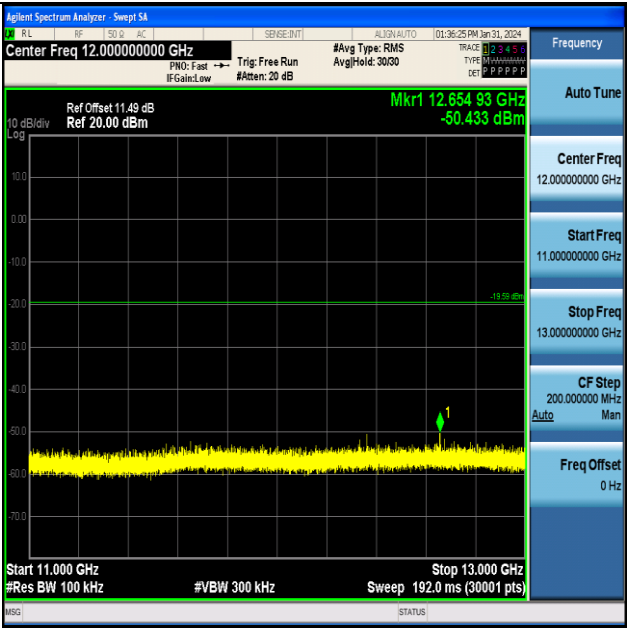
BLE_1M-Ant1-2480-5000~7000-PASS



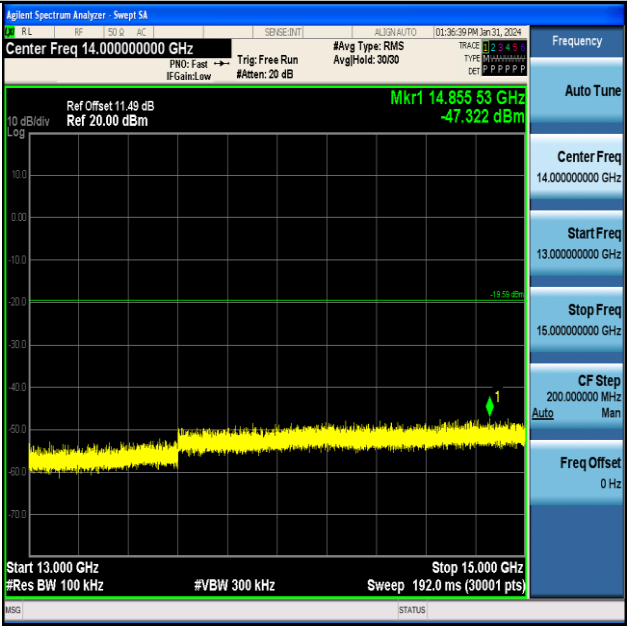
BLE_1M-Ant1-2480-7000~9000-PASS



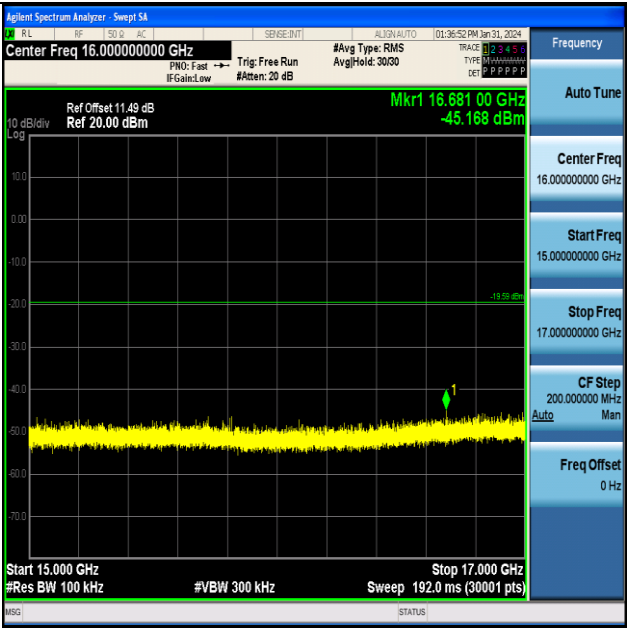
BLE_1M-Ant1-2480-9000~11000-PASS



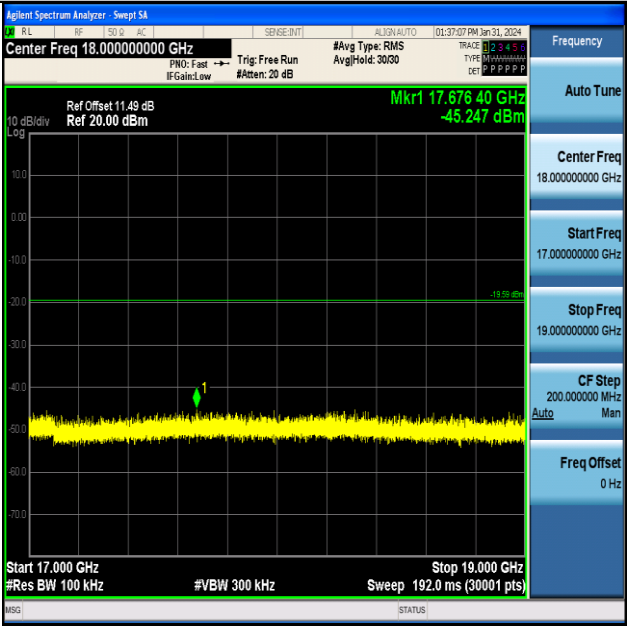
BLE_1M-Ant1-2480-11000~13000-PASS



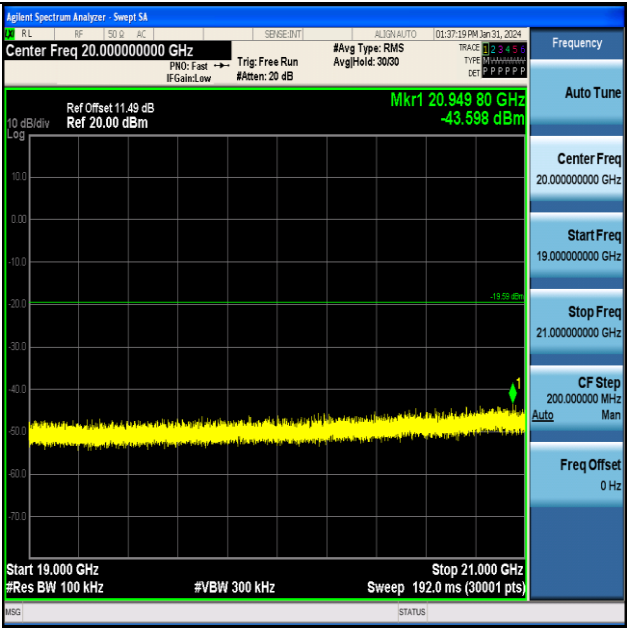
BLE_1M-Ant1-2480-13000~15000-PASS



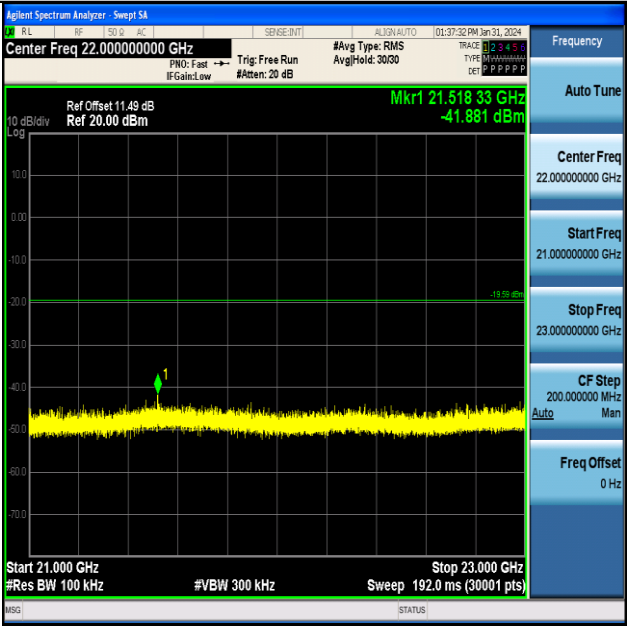
BLE_1M-Ant1-2480-15000~17000-PASS



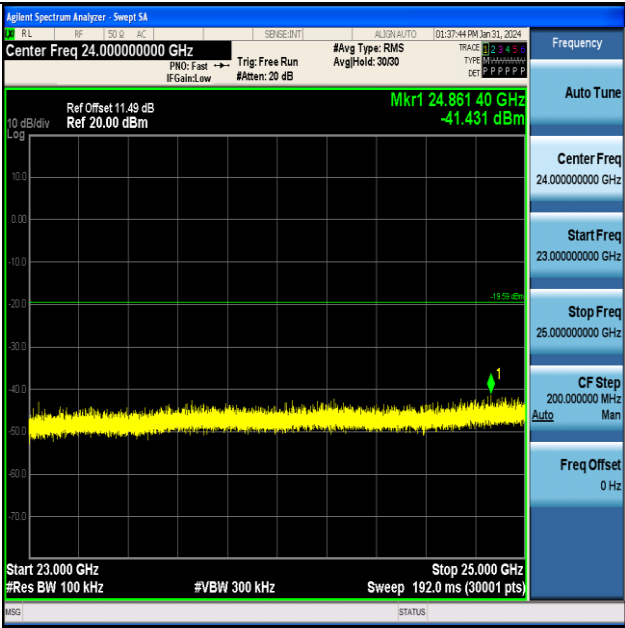
BLE_1M-Ant1-2480-17000~19000-PASS



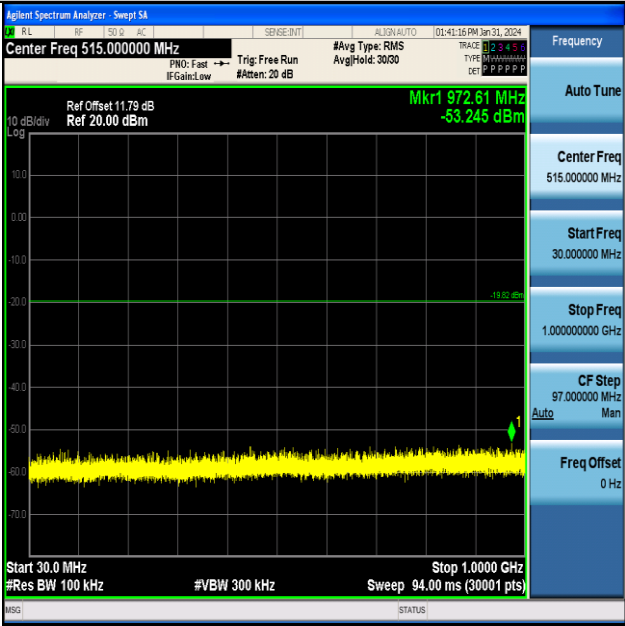
BLE_1M-Ant1-2480-19000~21000-PASS



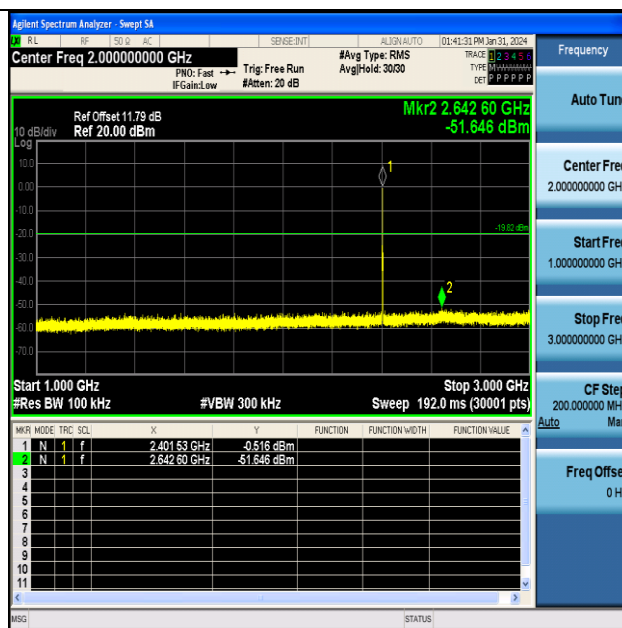
BLE_1M-Ant1-2480-21000~23000-PASS



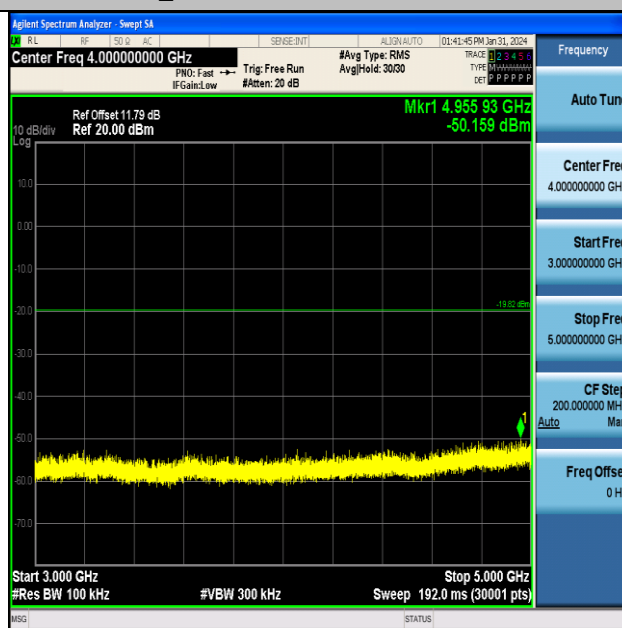
BLE_1M-Ant1-2480-23000~25000-PASS



BLE_2M-Ant1-2402-30~1000-PASS



BLE_2M-Ant1-2402-1000~3000-PASS



BLE_2M-Ant1-2402-3000~5000-PASS