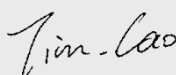
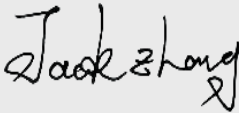


Test report No:
2410570R-RF-US-P06V01

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-P06V01	V1.0	Initial issue of report.	2024-02-19
2410570R-RF-US-P06V01	V1.1	Modify the Antenna Gain in Section 1.2; (Test Report No.: 2410570R-RF-US-P06V01 V1.1 will replace Test Report No.: 2410570R-RF-US-P06V01 V1.0, and Test Report 2410570R-RF-US-P06V01 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 Information;
 - Chapter 1.3 Data Rate.
 - Chapter 1.4 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
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..... :	802.11b/g/n
Operating frequency range(s)..... :	802.11b/g/n(20MHz): 2412~2462MHz 802.11n(40MHz): 2422~2452MHz
Type of Modulation & Data Rate.... :	Refer to Clause 1.3
Number of channels	802.11b/g/n(20MHz): 11 802.11b/g/n(40MHz): 07

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 Date Rate

IEEE 802.11b

Modulation	Data Rate(Mb/s)
DSSS	1
DSSS	2
CCK	5.5
CCK	11

IEEE 802.11g

Modulation	R	Data Rate(Mb/s)
BPSK	1/2	6
BPSK	3/4	9
QPSK	1/2	12
QPSK	3/4	18
16-QAM	1/2	24
16-QAM	3/4	36
64-QAM	2/3	48
64-QAM	3/4	54

IEEE 802.11n

Spatial streames	MCS Index	Modulation	R	Data Rate(Mb/s)			
				800ns GI		400ns GI	
				20MHz	40MHz	20MHz	40MHz
1	0	BPSK	1/2	6.5	13.5	7.2	15.0
1	1	QPSK	1/2	13.0	27.0	14.4	30.0
1	2	QPSK	3/4	19.5	40.5	21.7	45.0
1	3	16-QAM	1/2	26.0	54.0	28.9	60.0
1	4	16-QAM	3/4	39.0	81.0	43.3	90.0
1	5	64-QAM	2/3	52.0	108.0	57.8	120.0
1	6	64-QAM	3/4	58.5	121.5	65.0	135.0
1	7	64-QAM	5/6	65.0	135.0	72.2	150.0
2	8	BPSK	1/2	13	27	14.4	30
2	9	QPSK	1/2	26	54	28.8	60
2	10	QPSK	3/4	39	81	43.4	90
2	11	16-QAM	1/2	52	108	57.8	120
2	12	16-QAM	3/4	78	162	86.6	180
2	13	64-QAM	2/3	104	216	115.6	240
2	14	64-QAM	3/4	117	243	130	270
2	15	64-QAM	5/6	130	270	144.4	300

Symbol	Explanation
R	Code rate
GI	guard interval

Note: We have evaluated low/mid/high data rate, the blue font is the highest power data rate.

1.4 Channel List

IEEE 802.11b/g & IEEE 802.11n(20MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
001	2412 MHz	002	2417 MHz	003	2422 MHz	004	2427 MHz
005	2432 MHz	006	2437 MHz	007	2442 MHz	008	2447 MHz
009	2452 MHz	010	2457 MHz	011	2462 MHz	N/A	N/A

IEEE 802.11n(40MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
003	2422 MHz	004	2427 MHz	005	2432 MHz	006	2437 MHz
007	2442 MHz	008	2447 MHz	009	2452 MHz	N/A	N/A

Note: The general description of the Item(s), antenna information, data rate and channel list 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 802.11b
	Mode 2: Transmit by 802.11g
	Mode 3: Transmit by 802.11n(20MHz)
	Mode 4: Transmit by 802.11n(40MHz)

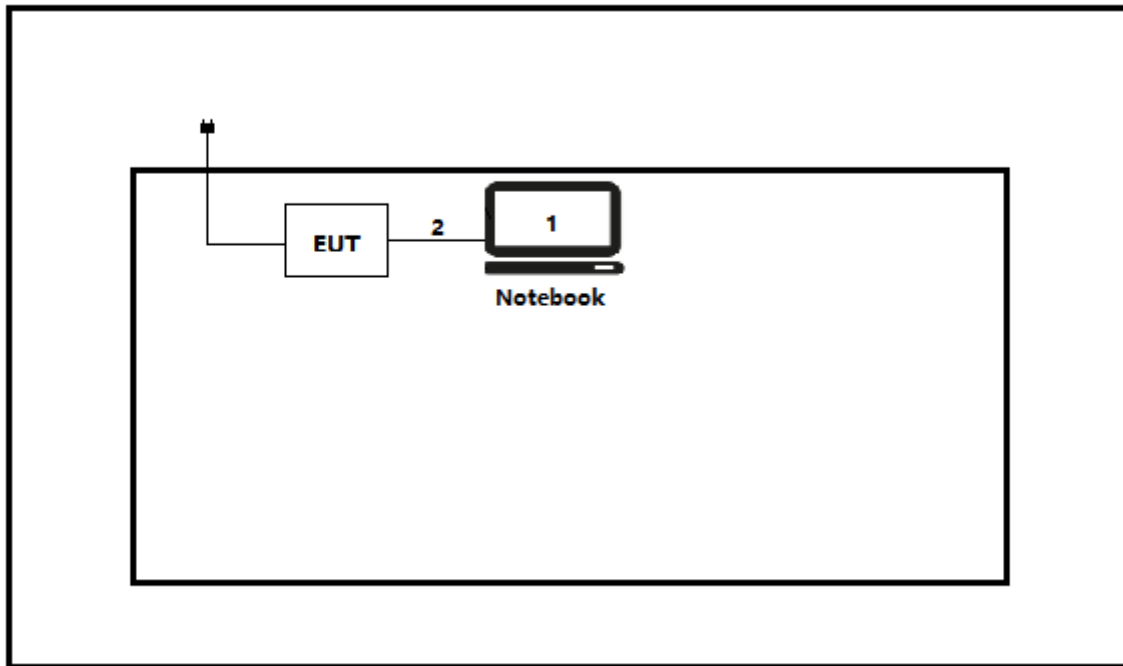
2.2 Auxiliary equipment / Test software for the EUT

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		

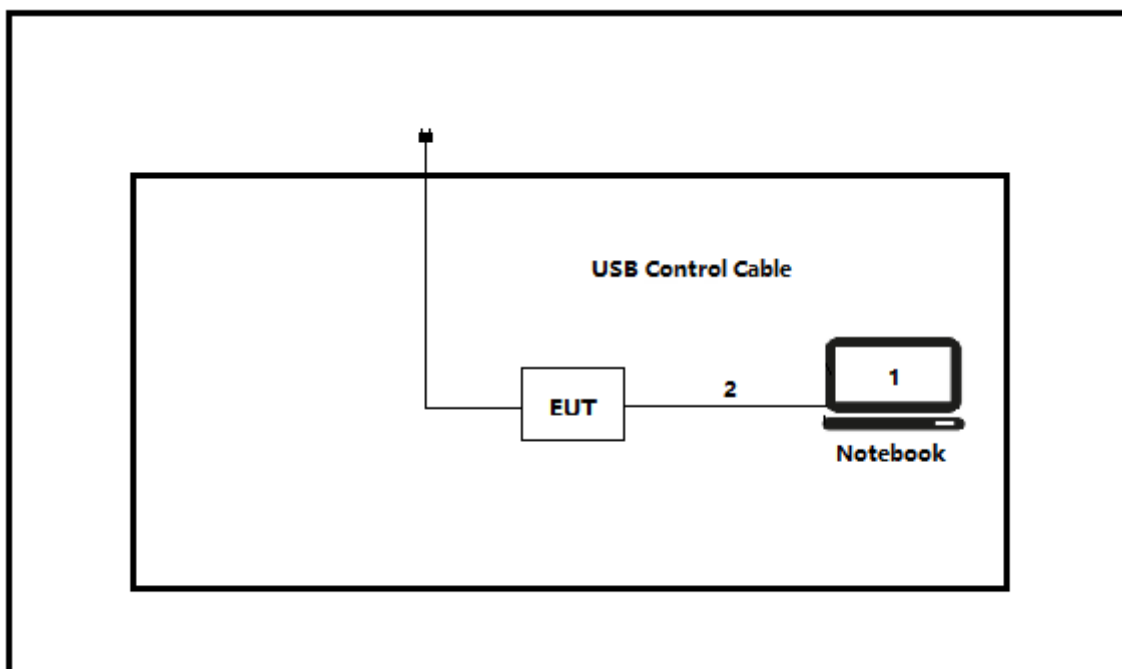
Accessories Information	Cable		
	Length used during test [m]	Attached during test	Shielded
(2)USB Control Cable	1	☒	☒
(3)USB Control Cable	8	☒	☒

2.3 Test Configuration / Block diagram used for tests

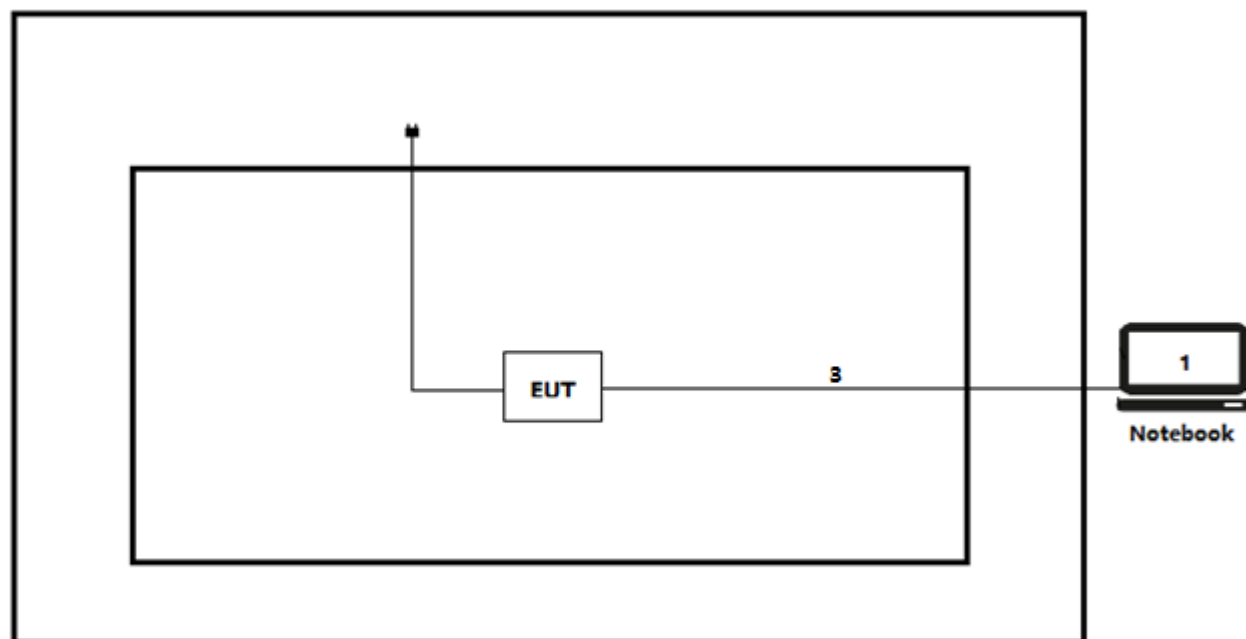
Test setup Diagram- AC Line Conducted Emission Test



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 [MTK_Android_Flash Tool] 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		
			SISO		MIMO
			Ant 1	Ant 2	Ant 1+2
802.11b	01	2412	19	19	N/A
	06	2437	19	19	N/A
	11	2462	19	19	N/A
802.11g	01	2412	18	17	N/A
	06	2437	18	17	N/A
	11	2462	18	17	N/A
802.11n(20MHz)	01	2412	20	19	20
	06	2437	18	18	18
	11	2462	18	18	18
802.11n(40MHz)	03	2422	19	19	19
	06	2437	19	18	19
	09	2452	19	18	19

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

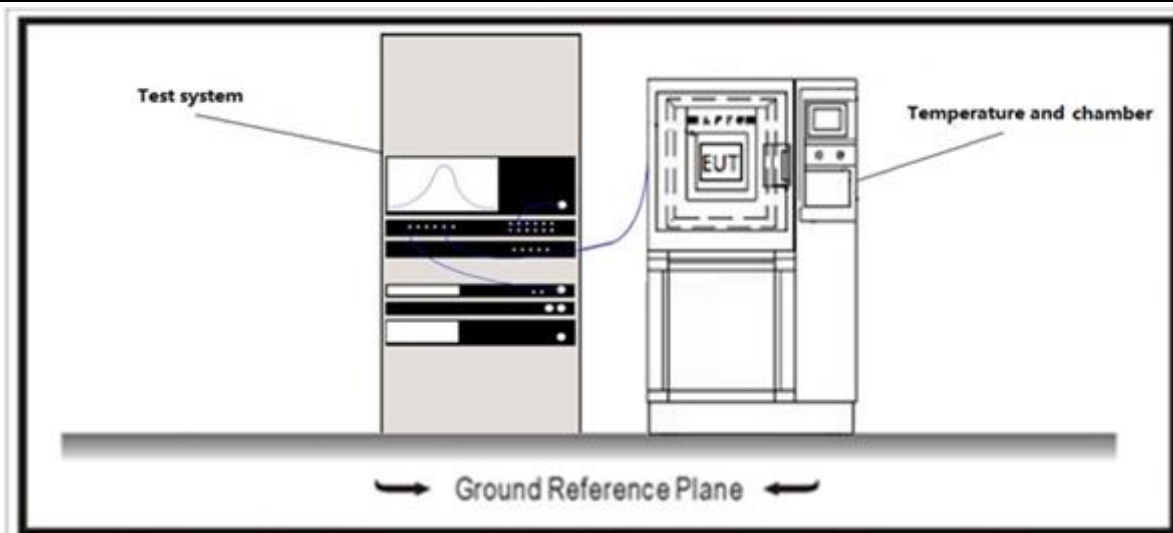
4.1.1 Limit

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

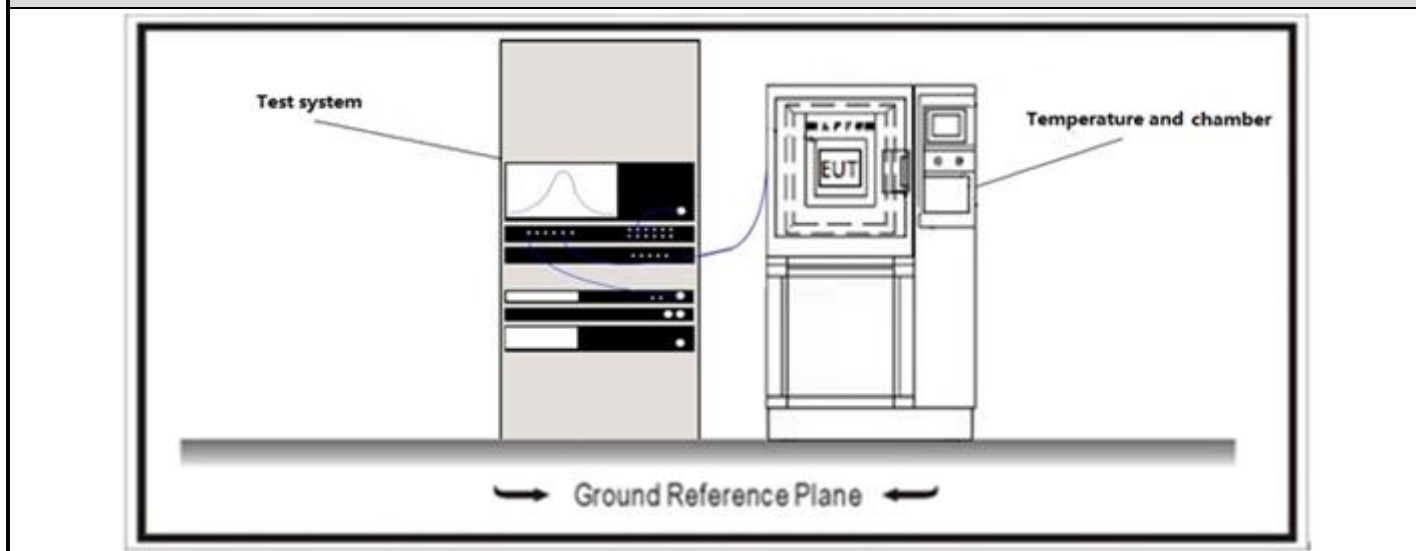
4.3.1 Limit

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

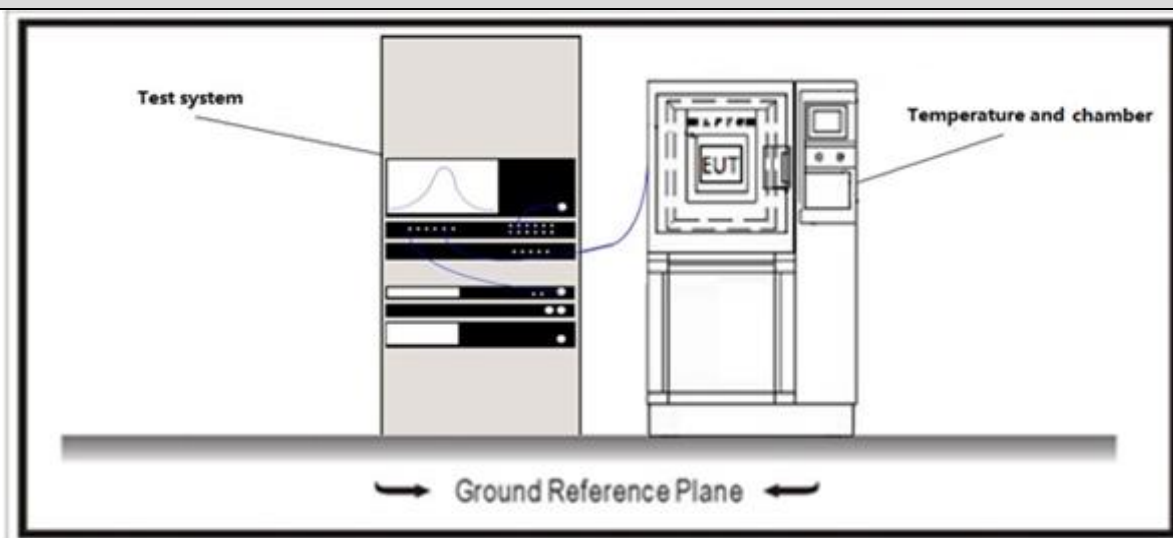
4.4.1 Limit

Standard

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

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

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

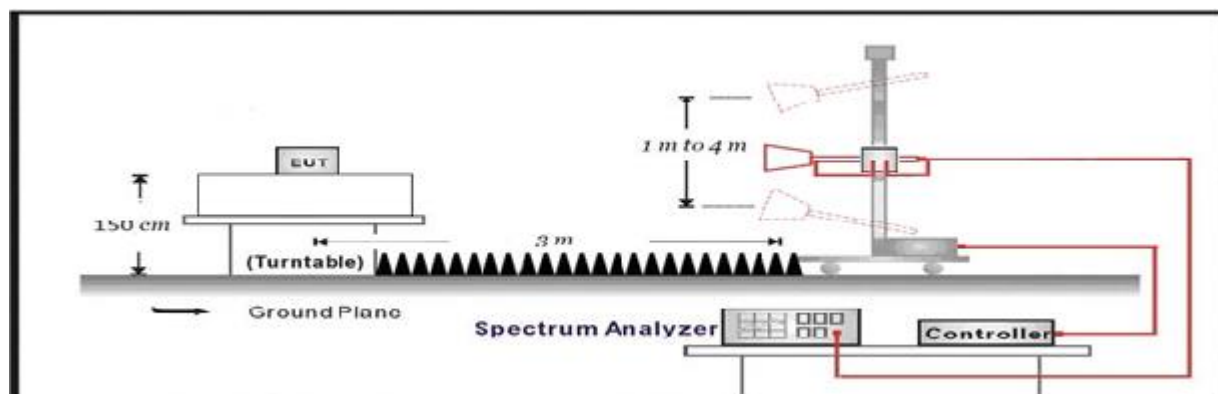
4.5.1 Limit

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

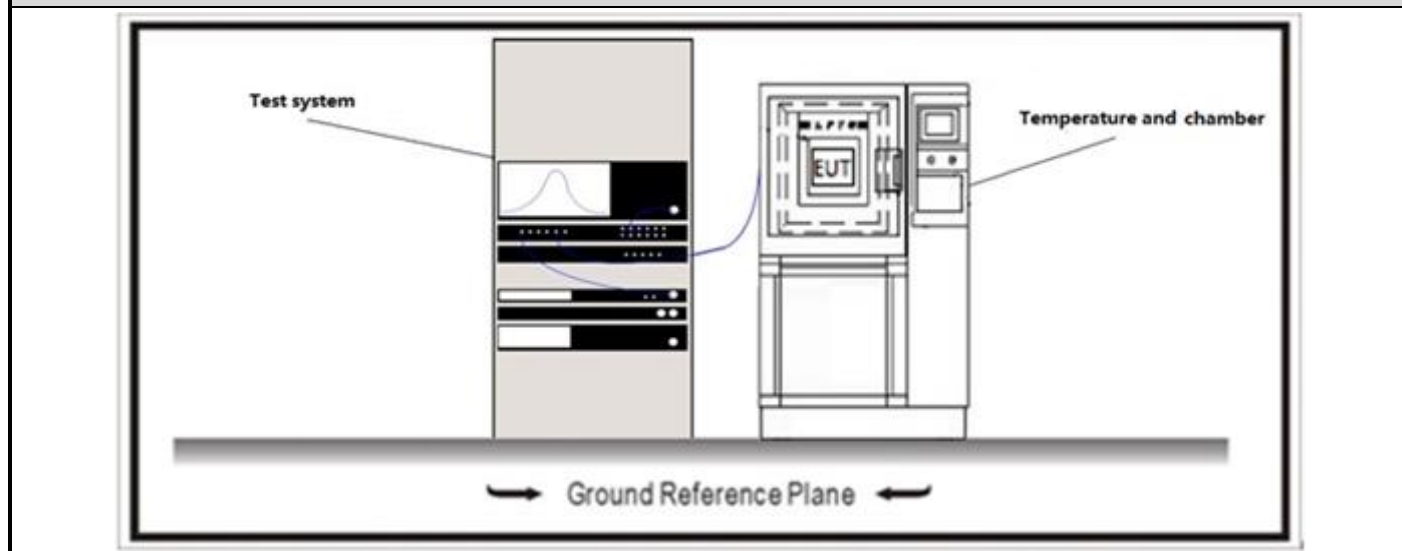
	References Rule	Chapter	Description
☒	ANSI C63.10	6.10	Band-edge testing
☒	☒ ANSI C63.10	6.10.5	Restricted-band band-edge measurements
☐	☐ ANSI C63.10	6.10.6	Marker-delta method
☒	ANSI C63.10	11.12	Emissions in restricted frequency bands
☒	☒ ANSI C63.10	11.12.1	Radiated emission measurements
☒	☒ ANSI 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).

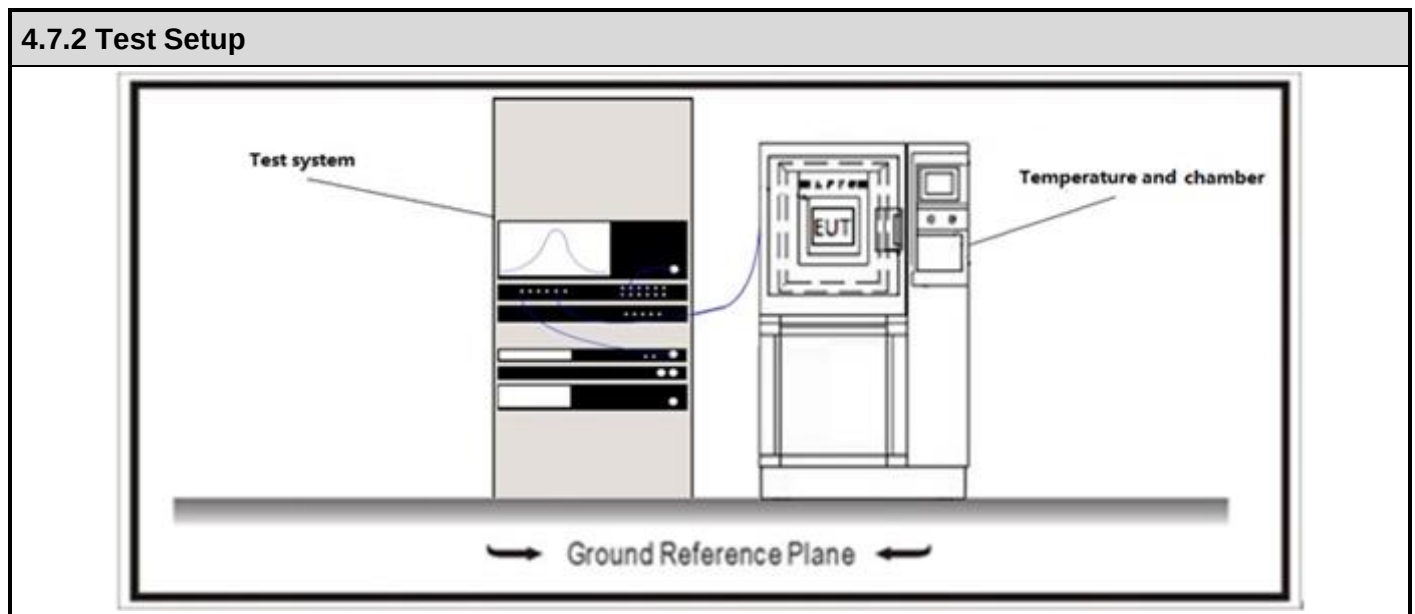
Note 2: If the maximum peak conducted output power procedure was used, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 20 dBc).

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



4.7.3 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)

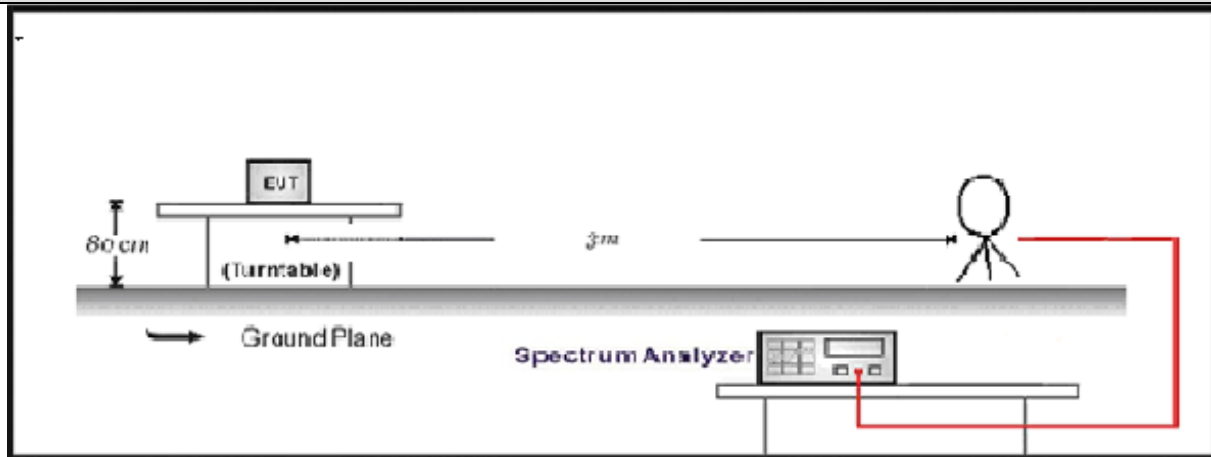
Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed 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

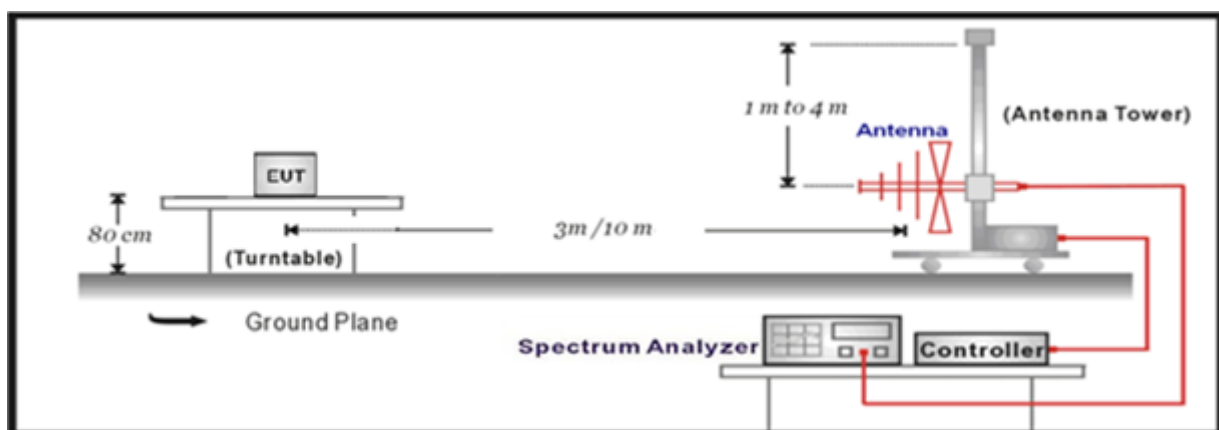
measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance 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

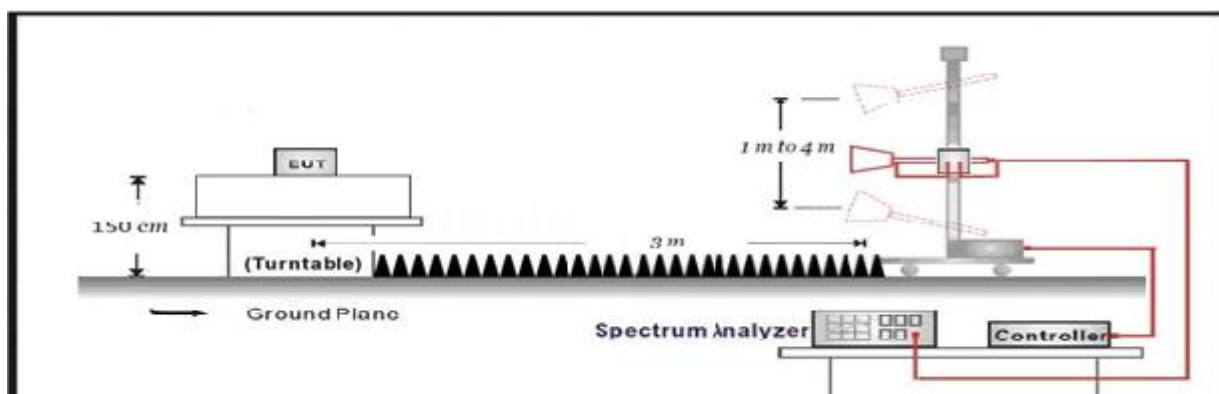
Below 30MHz Test Setup:



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**

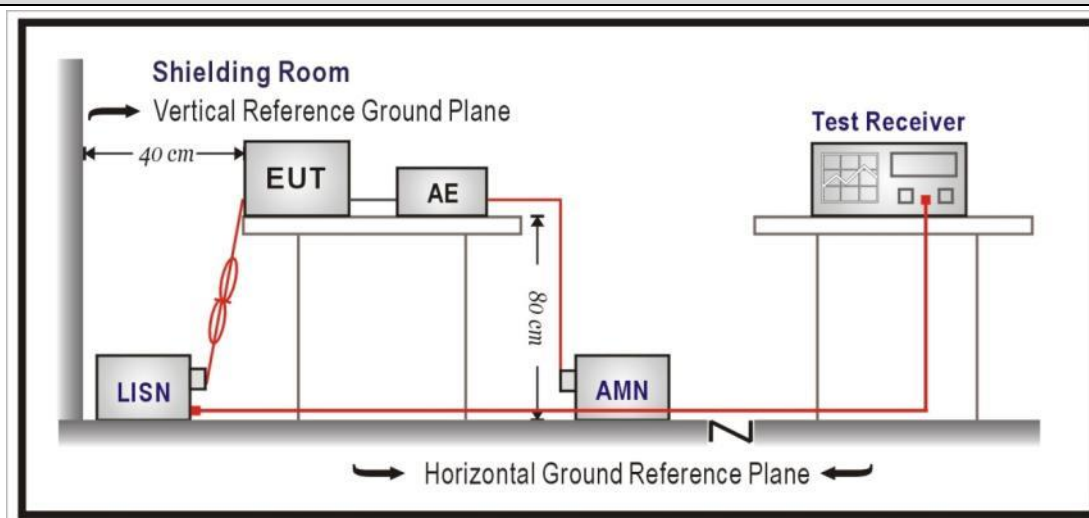
Standard	FCC Part 15 Subpart C Paragraph 15.207	
Frequency range [MHz]	Limit: QP [dB(μ V) ¹⁾]	Limit: AV [dB(μ V) ¹⁾]
0,15 - 0,50	66 - 56 ²⁾	56 - 46 ²⁾
0,50 - 5,0	56	46
5,0 - 30	60	50

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

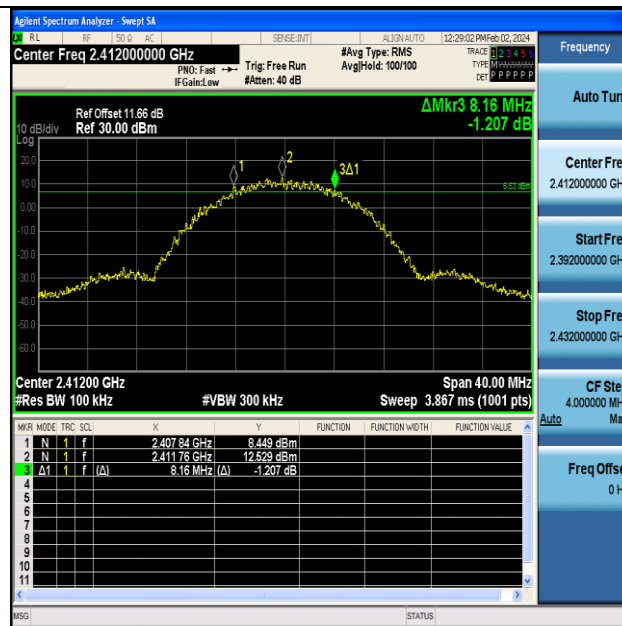
Remark: The test setup photo and EUT Photo please see appendix.

6 TEST RESULT-APPENDIX A: DTS BANDWIDTH

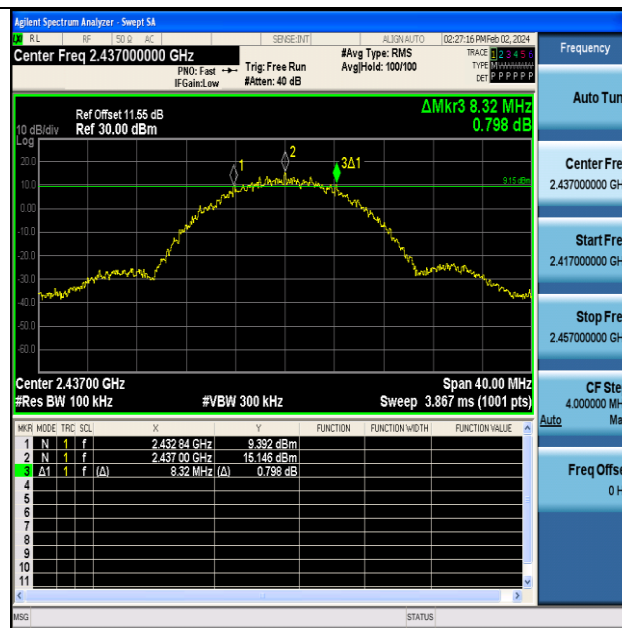
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Mode1	Ant1	2412	8.160	2407.840	2416.000	0.5	PASS
		2437	8.320	2432.840	2441.160	0.5	PASS
		2462	8.160	2457.840	2466.000	0.5	PASS
Mode2	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
		2437	15.080	2429.480	2444.560	0.5	PASS
		2462	15.760	2453.880	2469.640	0.5	PASS
Mode3	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
		2437	16.280	2428.920	2445.200	0.5	PASS
		2462	16.040	2454.440	2470.480	0.5	PASS
Mode4	Ant1	2422	35.040	2404.480	2439.520	0.5	PASS
		2437	35.120	2419.480	2454.600	0.5	PASS
		2452	35.120	2434.480	2469.600	0.5	PASS

Note: We have evaluated each operating mode and SISO/MIMO mode, SISO mode Antenna1 is worse ,shown in the report is the worst SISO Antenna1 data.

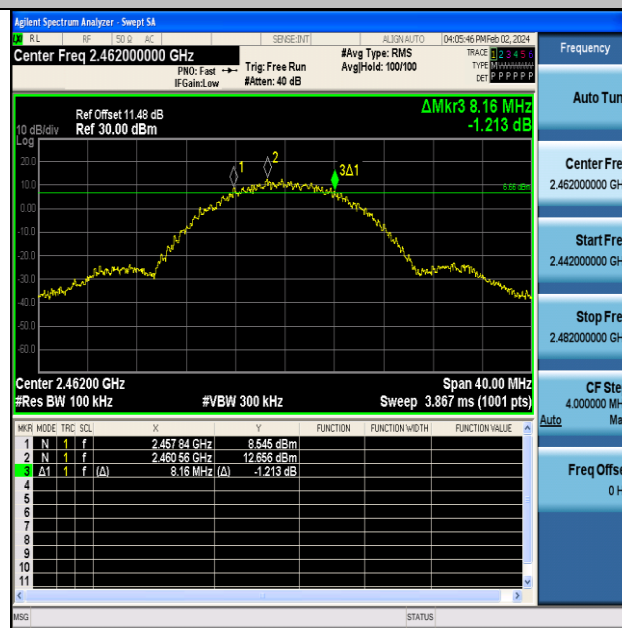
Test Graphs



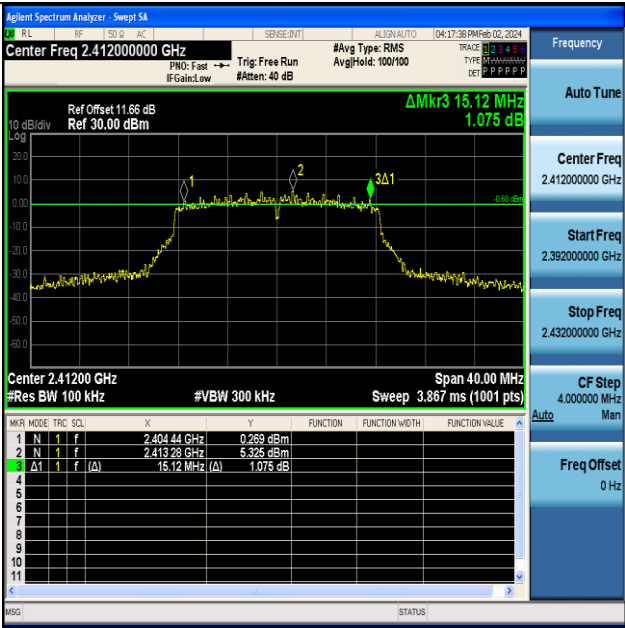
11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



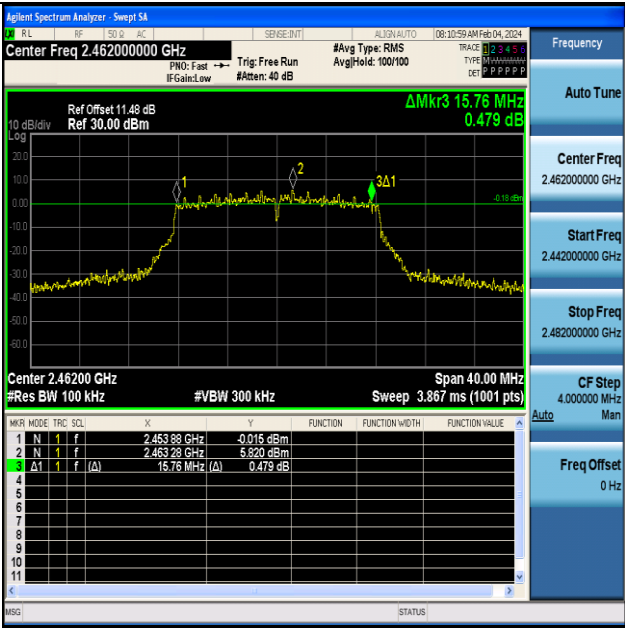
11B-Ant1-2462-PASS



11G-Ant1-2412-PASS



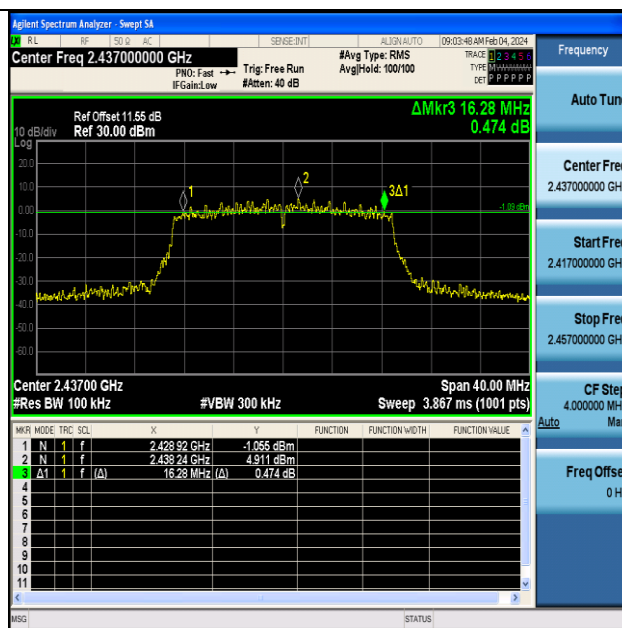
11G-Ant1-2437-PASS



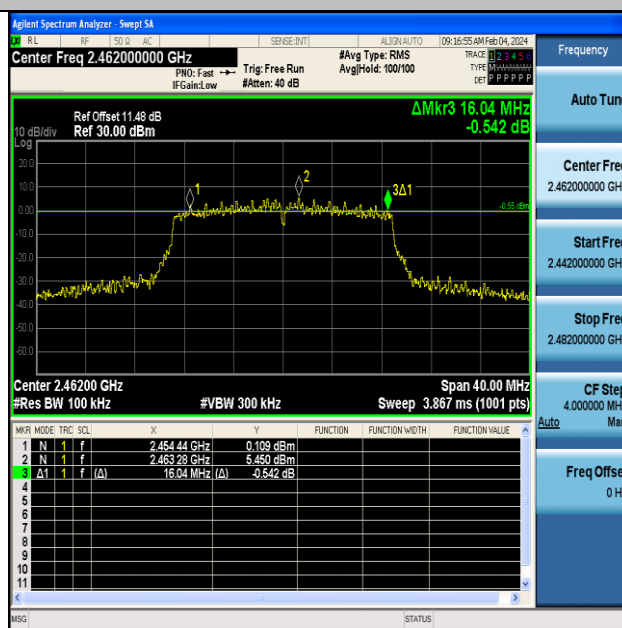
11G-Ant1-2462-PASS



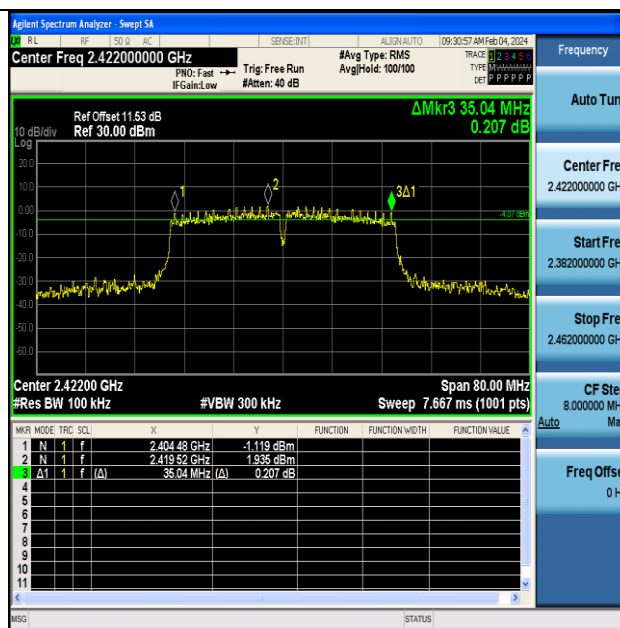
11N20SISO-Ant1-2412-PASS



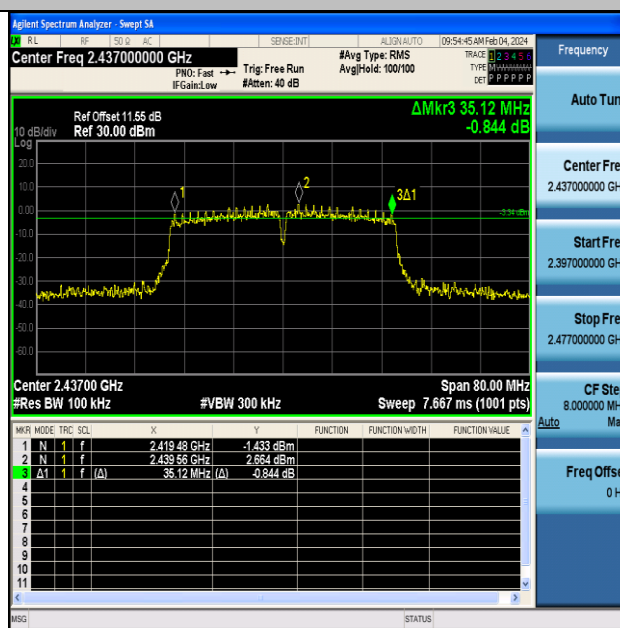
11N20SISO-Ant1-2437-PASS



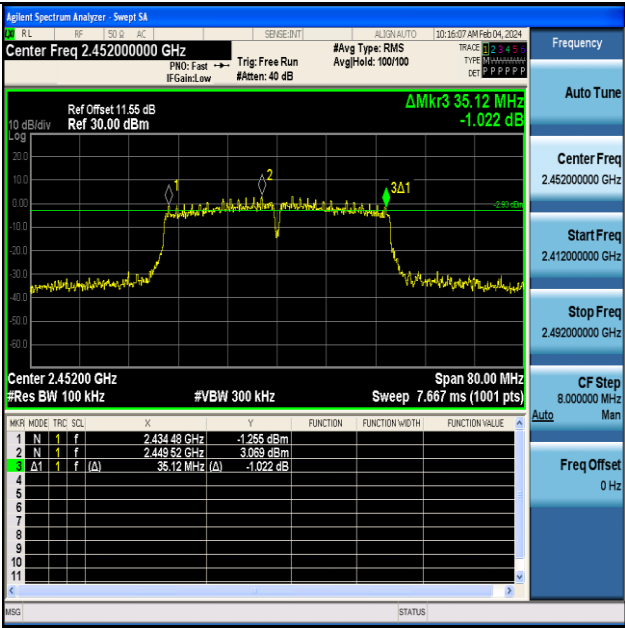
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

7 TEST RESULT-APPENDIX B: MAXIMUM CONDUCTED OUTPUT POWER

SISO: Antenna1

TestMode	Antenna	Frequency[MHz]	Avg. Power[dBm]	Conducted Limit[dBm]	Verdict
Mode1	Ant1	2412	17.44	≤30.00	PASS
		2437	17.30	≤30.00	PASS
		2462	17.76	≤30.00	PASS
Mode2	Ant1	2412	15.54	≤30.00	PASS
		2437	15.81	≤30.00	PASS
		2462	16.02	≤30.00	PASS
Mode3	Ant1	2412	17.00	≤30.00	PASS
		2437	15.42	≤30.00	PASS
		2462	15.62	≤30.00	PASS
Mode4	Ant1	2422	15.42	≤30.00	PASS
		2437	15.84	≤30.00	PASS
		2452	16.11	≤30.00	PASS

SISO: Antenna2

TestMode	Antenna	Frequency[MHz]	Avg. Power[dBm]	Conducted Limit[dBm]	Verdict
Mode1	Ant2	2412	17.88	≤30.00	PASS
		2437	17.90	≤30.00	PASS
		2462	18.19	≤30.00	PASS
Mode2	Ant2	2412	15.37	≤30.00	PASS
		2437	15.32	≤30.00	PASS
		2462	15.58	≤30.00	PASS
Mode3	Ant2	2412	16.88	≤30.00	PASS
		2437	15.77	≤30.00	PASS
		2462	16.12	≤30.00	PASS
Mode4	Ant2	2422	16.08	≤30.00	PASS
		2437	15.27	≤30.00	PASS
		2452	15.50	≤30.00	PASS

MIMO: Antenna1+2

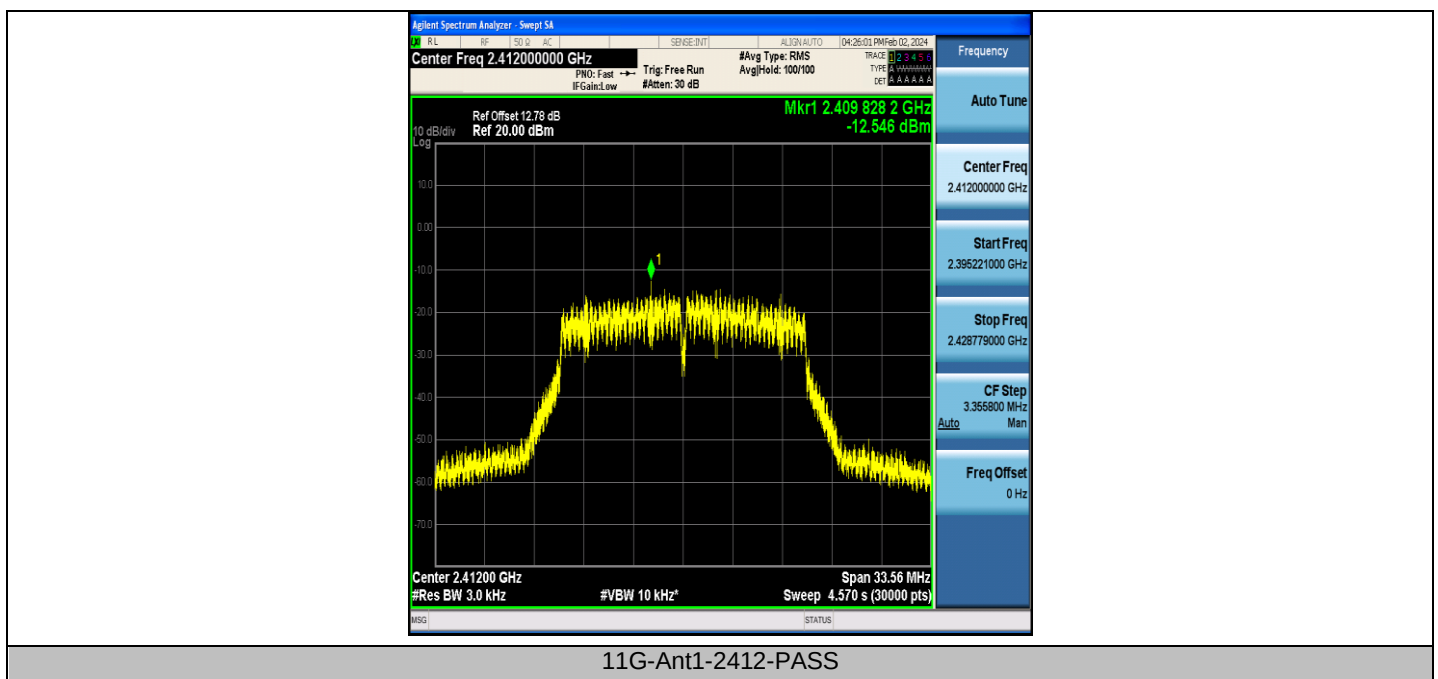
TestMode	Antenna	Frequency[MHz]	Total Avg. Power[dBm]	Conducted Limit[dBm]	Verdict
Mode3	Ant1+2	2412	20.56	≤30.00	PASS
		2437	18.69	≤30.00	PASS
		2462	19.06	≤30.00	PASS
Mode4	Ant1+2	2422	19.06	≤30.00	PASS
		2437	19.41	≤30.00	PASS
		2452	19.56	≤30.00	PASS

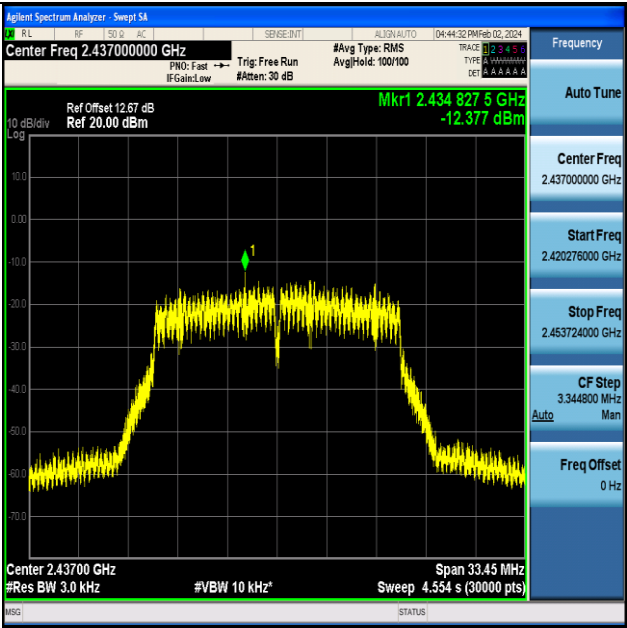
8 TEST RESULT-APPENDIX C: MAXIMUM POWER SPECTRAL DENSITY

TestMode	Antenna	Frequency[MHz]	Result [dBm/3-100kHz]	Limit [dBm/3kHz]	Verdict
Mode1	Ant1	2412	-12.55	≤8.00	PASS
		2437	-12.38	≤8.00	PASS
		2462	-12.36	≤8.00	PASS
Mode2	Ant1	2412	-7.06	≤8.00	PASS
		2437	-7.30	≤8.00	PASS
		2462	-6.93	≤8.00	PASS
Mode3	Ant1	2412	-11.65	≤8.00	PASS
		2437	-13.42	≤8.00	PASS
		2462	-13.22	≤8.00	PASS
Mode4	Ant1	2422	-14.41	≤8.00	PASS
		2437	-14.00	≤8.00	PASS
		2452	-13.25	≤8.00	PASS

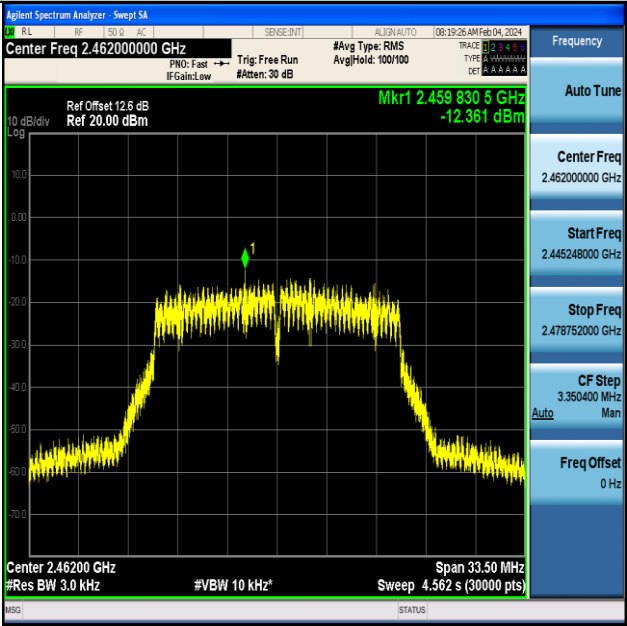
Note: We have evaluated each operating mode and SISO/MIMO mode, SISO mode Antenna1 is worse ,shown in the report is the worst SISO Antenna1 data.

Test Graphs

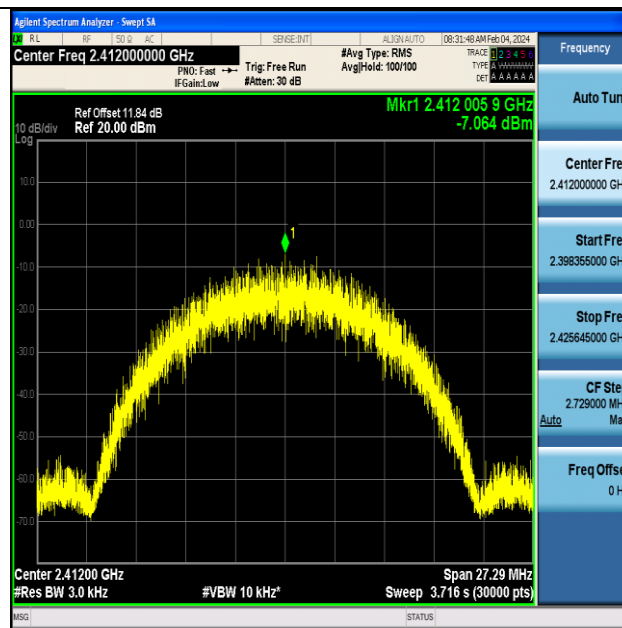




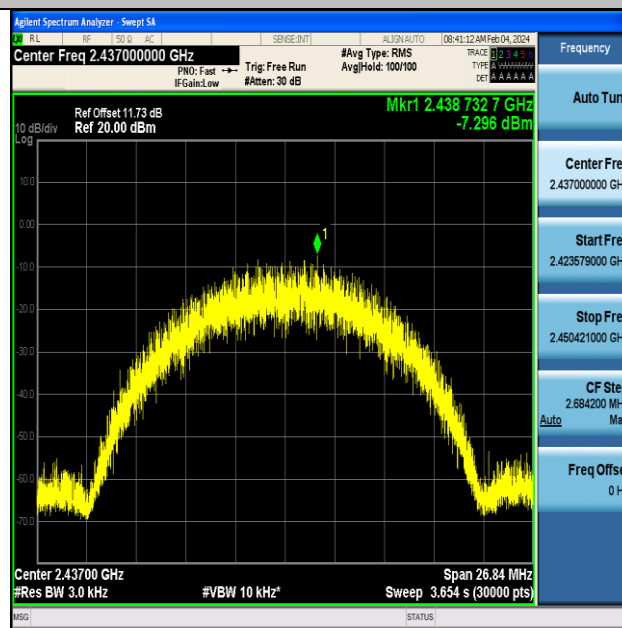
11G-Ant1-2437-PASS



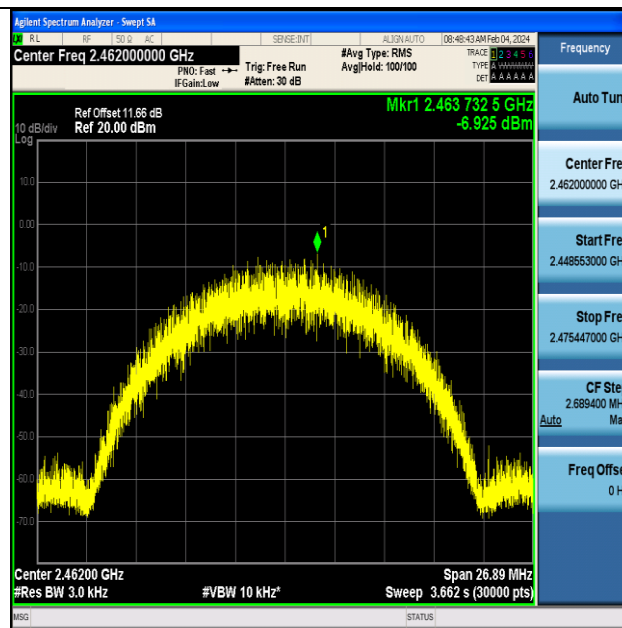
11G-Ant1-2462-PASS



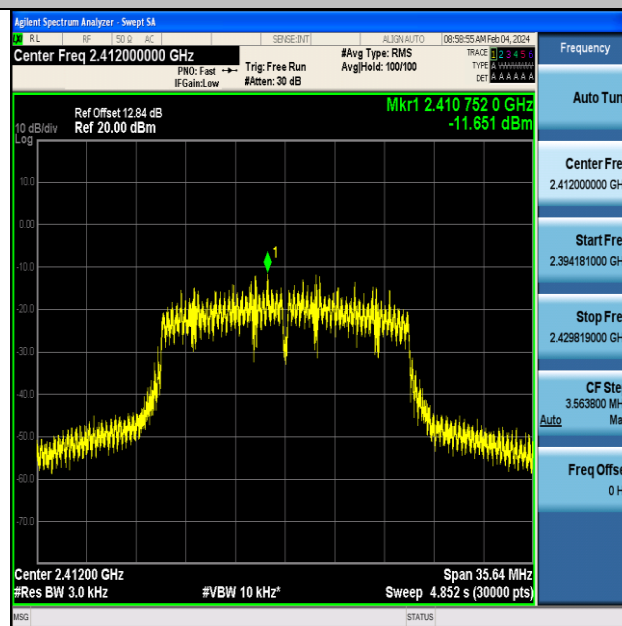
11B-Ant1-2412-PASS



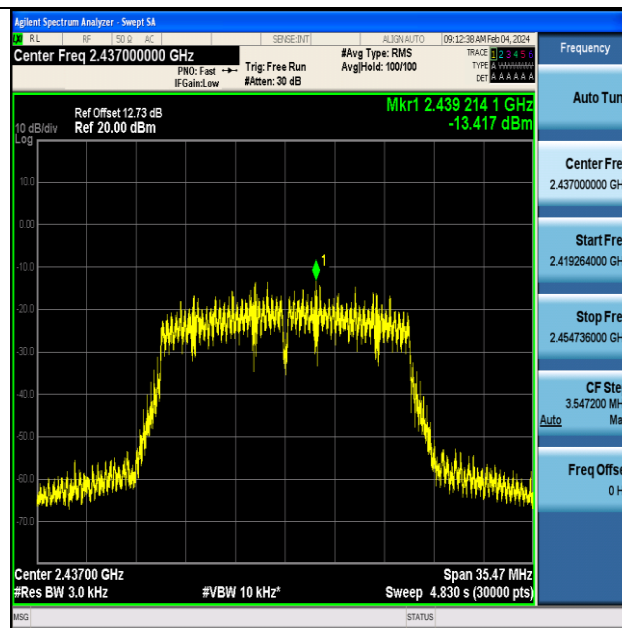
11B-Ant1-2437-PASS



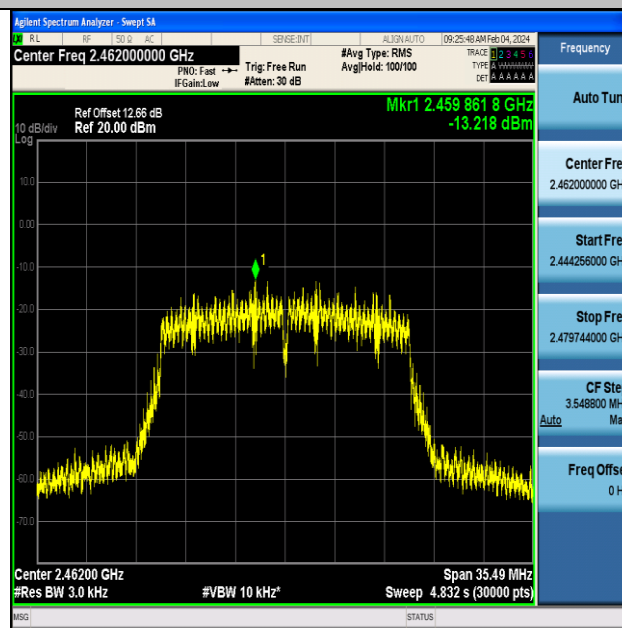
11B-Ant1-2462-PASS



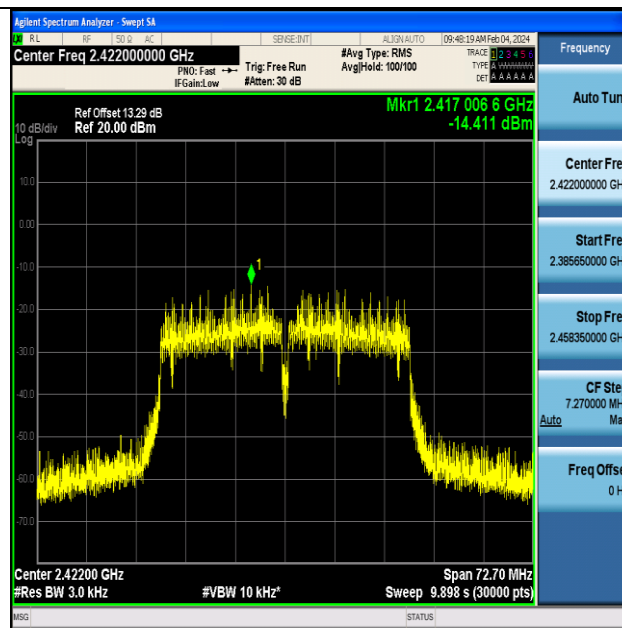
11N20SISO-Ant1-2412-PASS



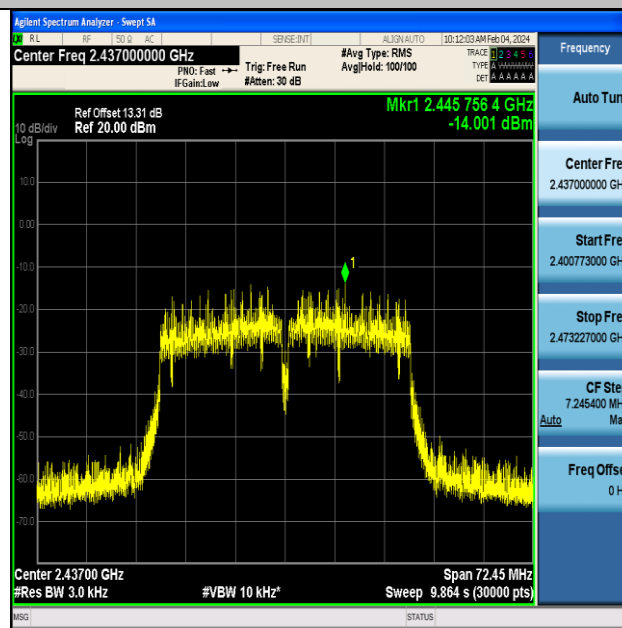
11N20SISO-Ant1-2437-PASS



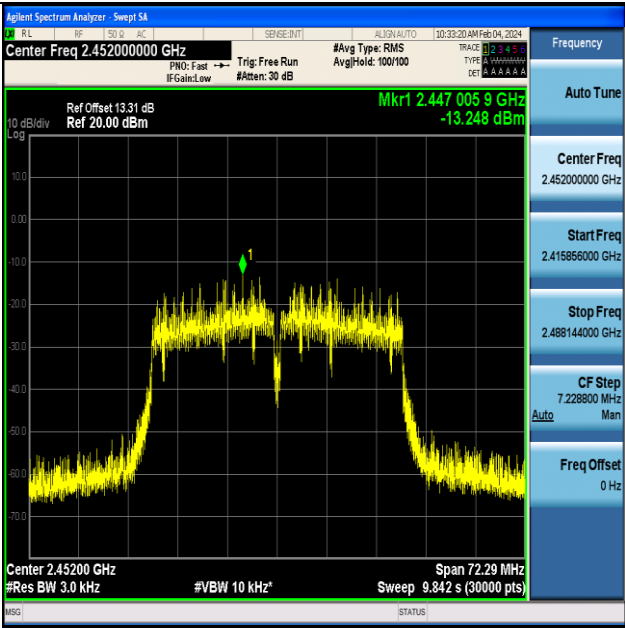
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



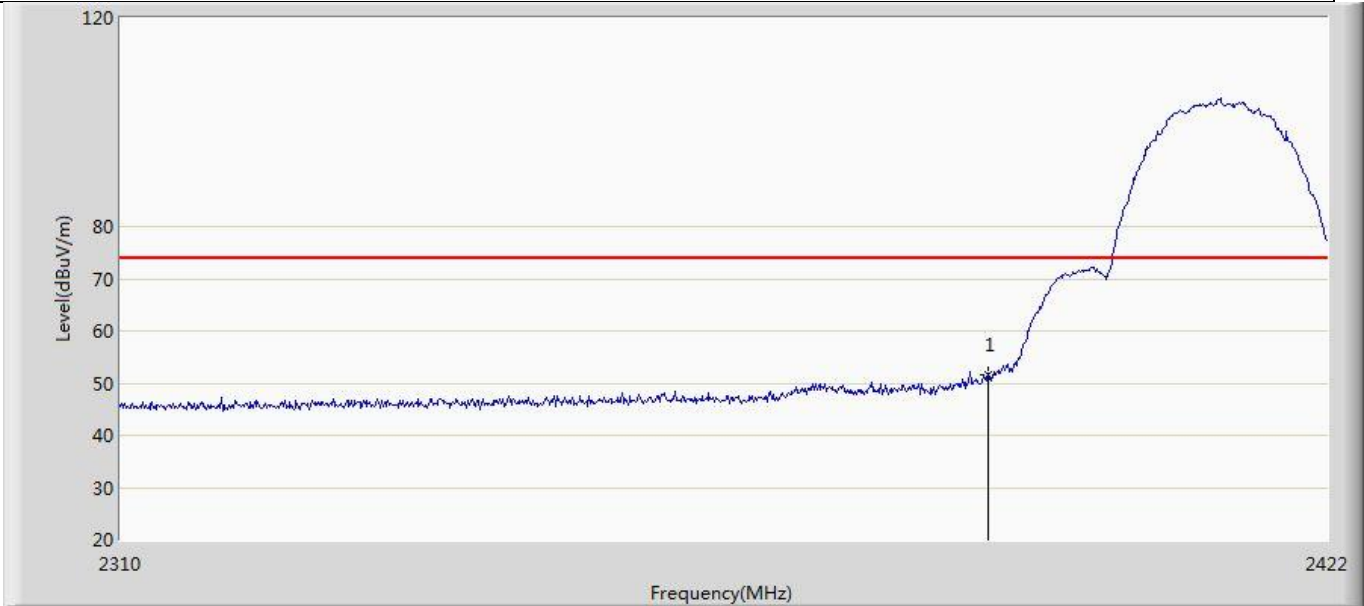
11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

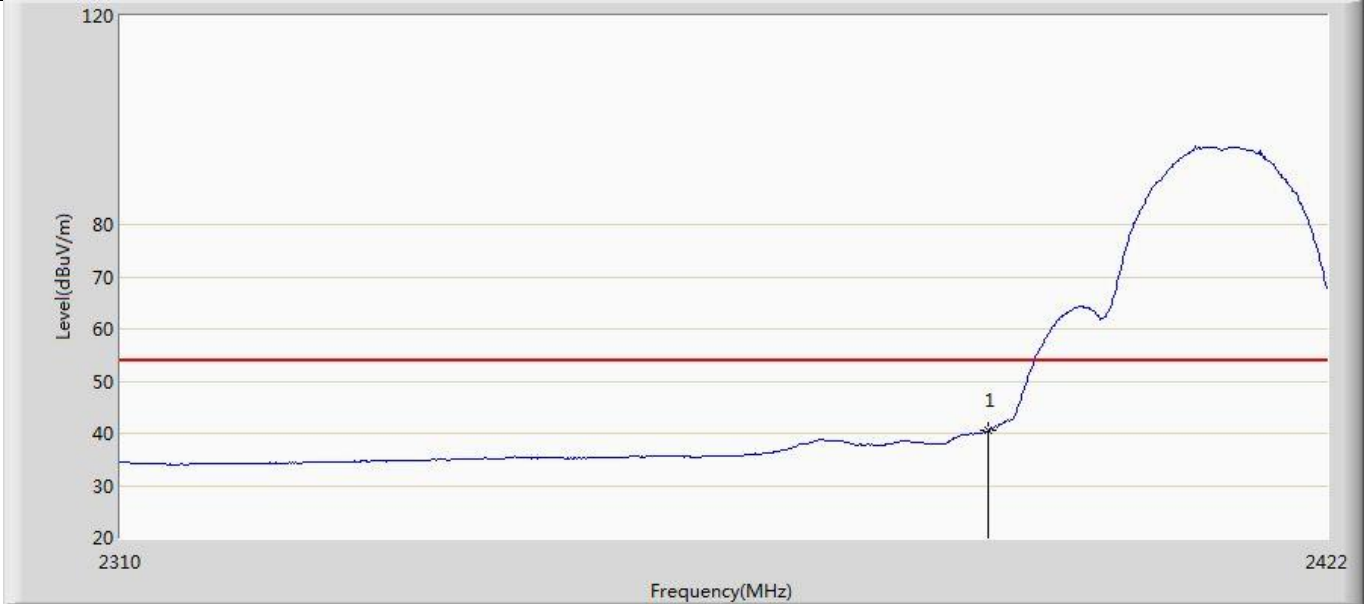
9 TEST RESULT-APPENDIX D: BAND EDGE MEASUREMENTS

Profile: 2410570R	Page No.: 1
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:02
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 2412MHz by 802.11b with Ant1	



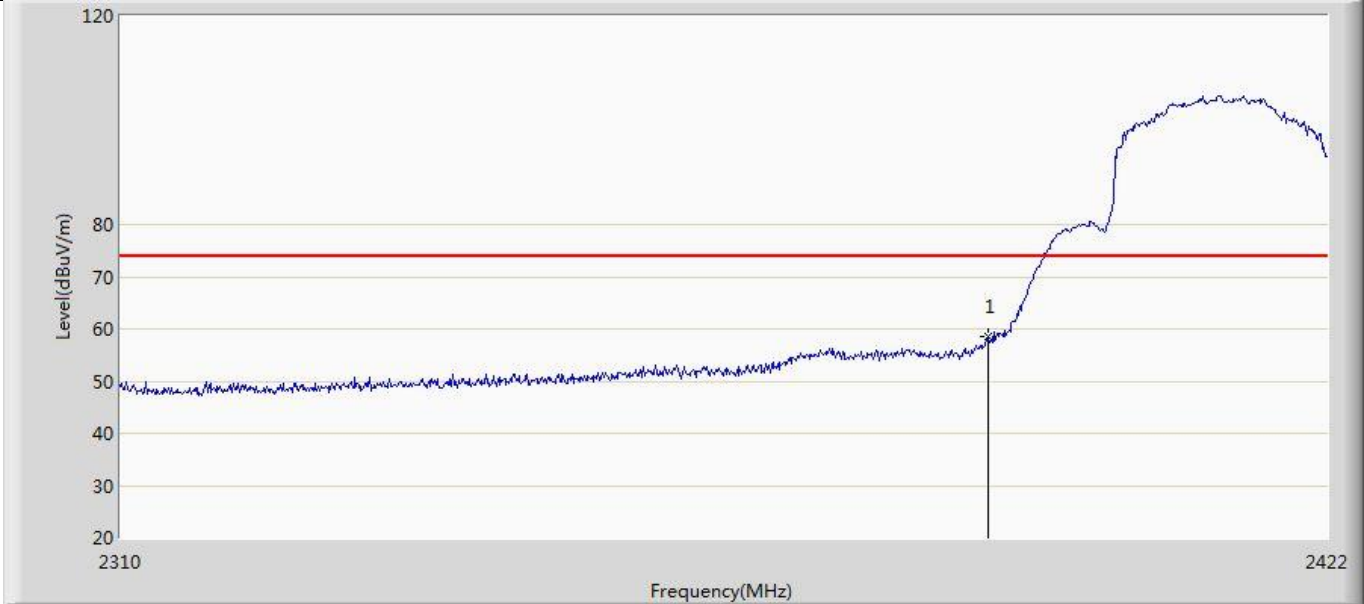
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	51.692	17.541	-22.308	74.000	34.151	PK

Profile: 2410570R	Page No.: 2
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:04
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 2412MHz by 802.11b with Ant1	



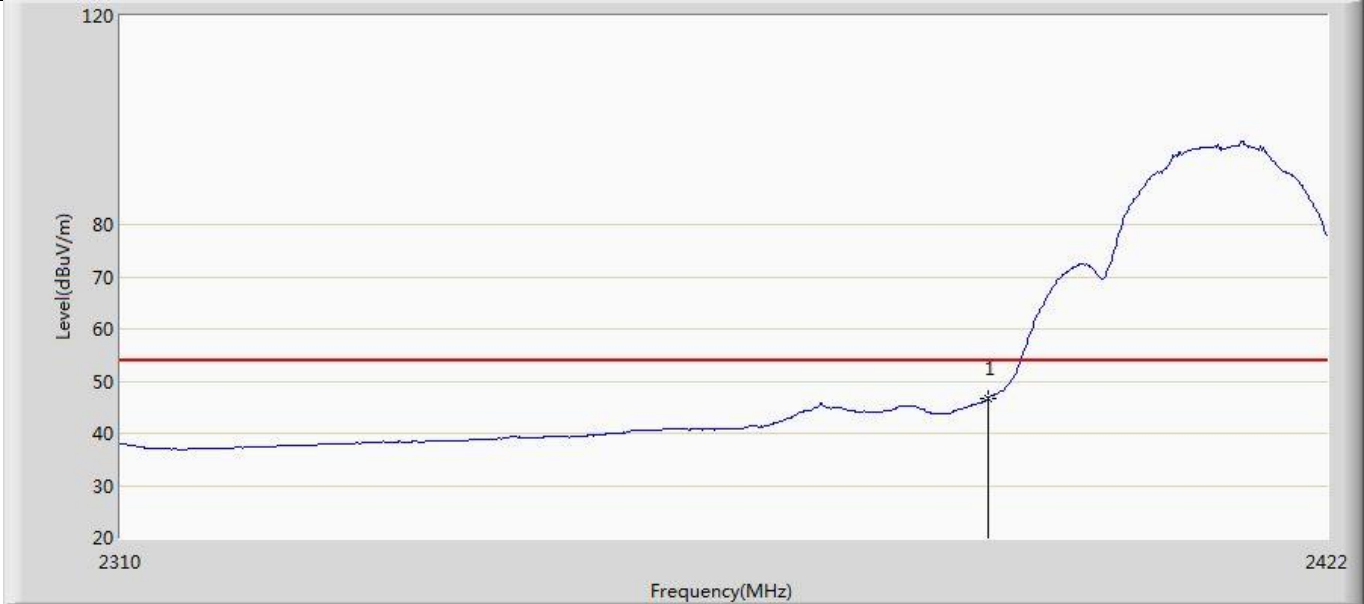
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	40.514	6.363	-13.486	54.000	34.151	AV

Profile: 2410570R	Page No.: 3
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:06
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 2412MHz by 802.11b with Ant1	



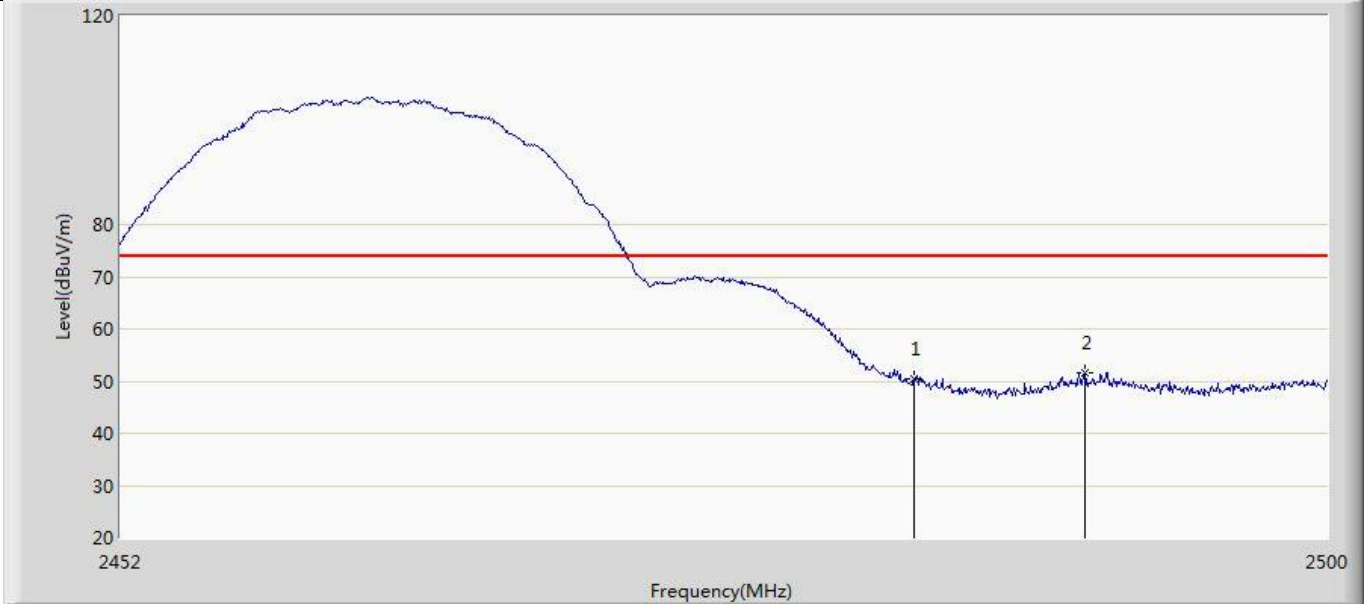
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	58.506	24.355	-15.494	74.000	34.151	PK

Profile: 2410570R	Page No.: 4
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:07
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 2412MHz by 802.11b with Ant1	



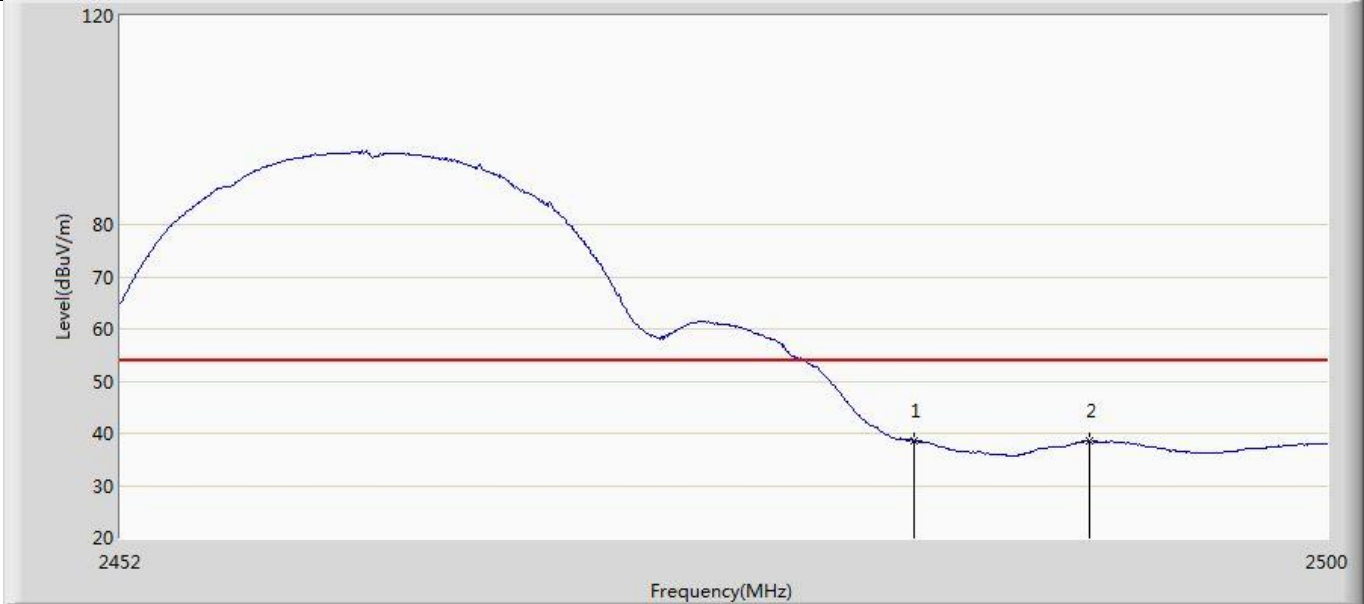
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	46.659	12.508	-7.341	54.000	34.151	AV

Profile: 2410570R	Page No.: 5
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:09
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 2462MHz by 802.11b with Ant1	



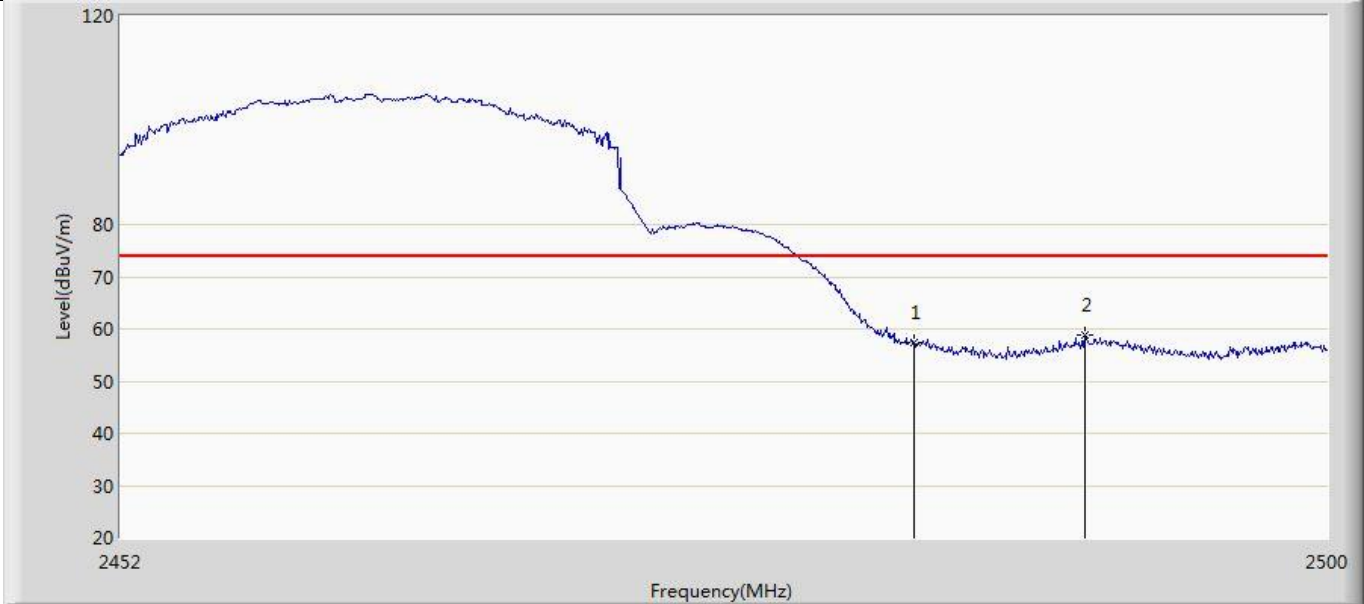
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	50.298	15.842	-23.702	74.000	34.456	PK
2	*	2490.304	51.689	17.158	-22.311	74.000	34.531	PK

Profile: 2410570R	Page No.: 6
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:10
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 2462MHz by 802.11b with Ant1	



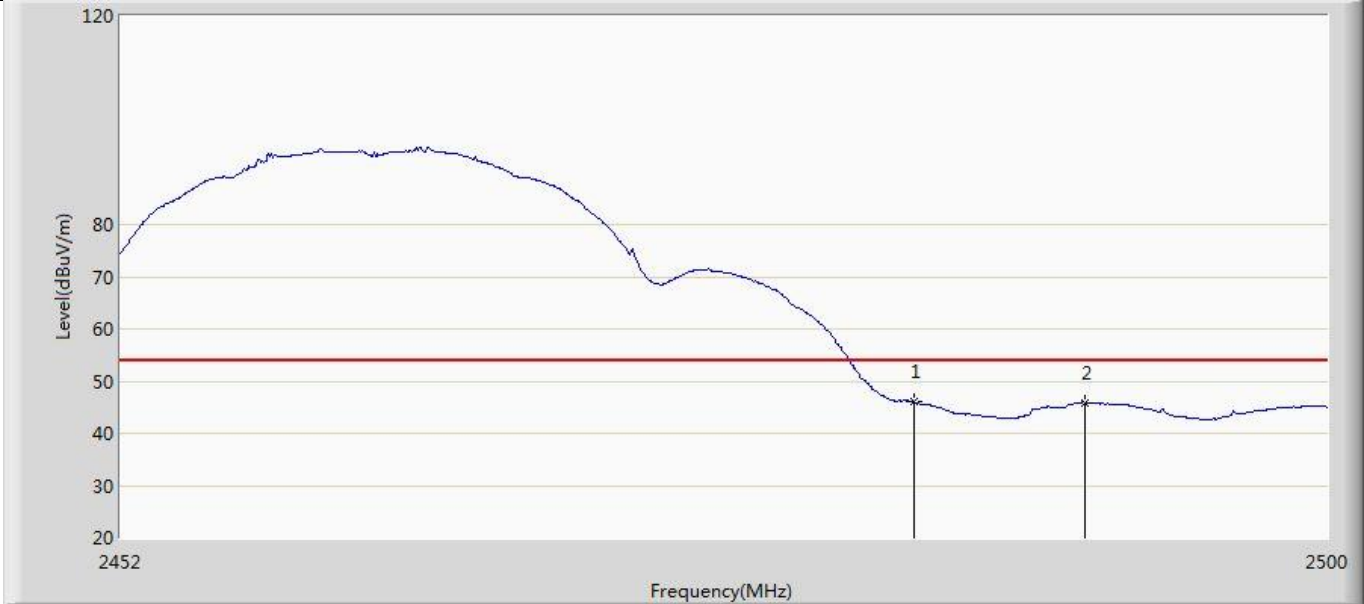
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	38.605	4.149	-15.395	54.000	34.456	AV
2		2490.496	38.507	3.974	-15.493	54.000	34.533	AV

Profile: 2410570R	Page No.: 7
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:11
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 2462MHz by 802.11b with Ant1	



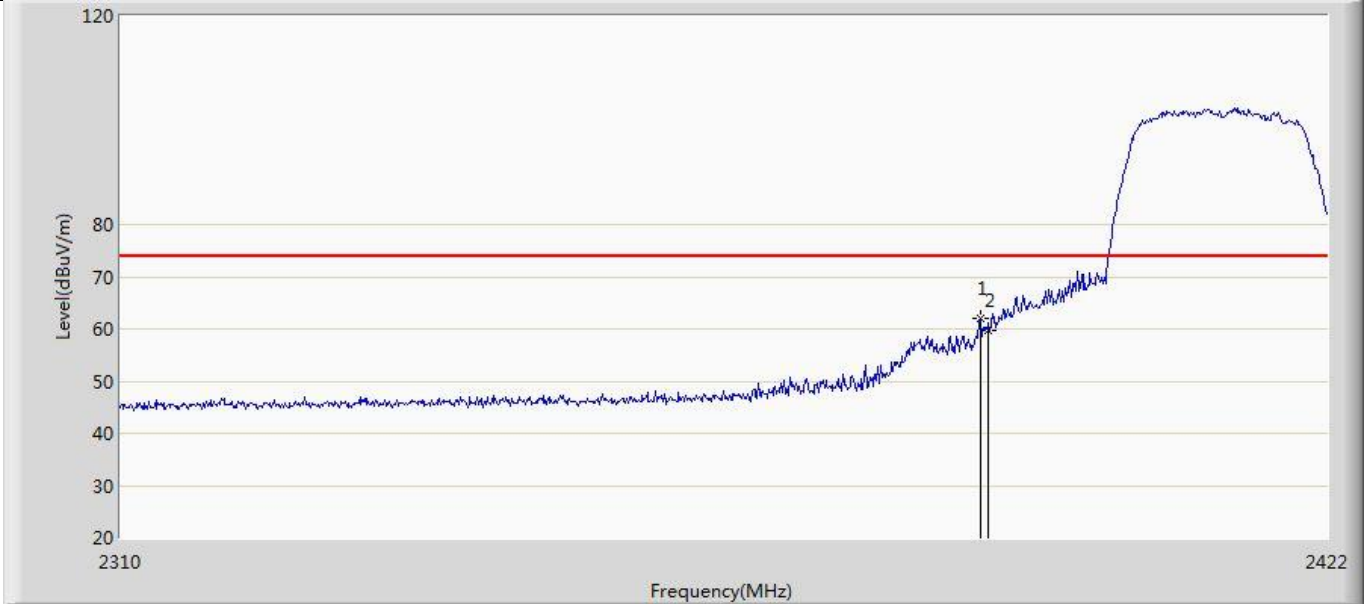
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	57.298	22.842	-16.702	74.000	34.456	PK
2	*	2490.304	58.896	24.365	-15.104	74.000	34.531	PK

Profile: 2410570R	Page No.: 8
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:15
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 2462MHz by 802.11b with Ant1	



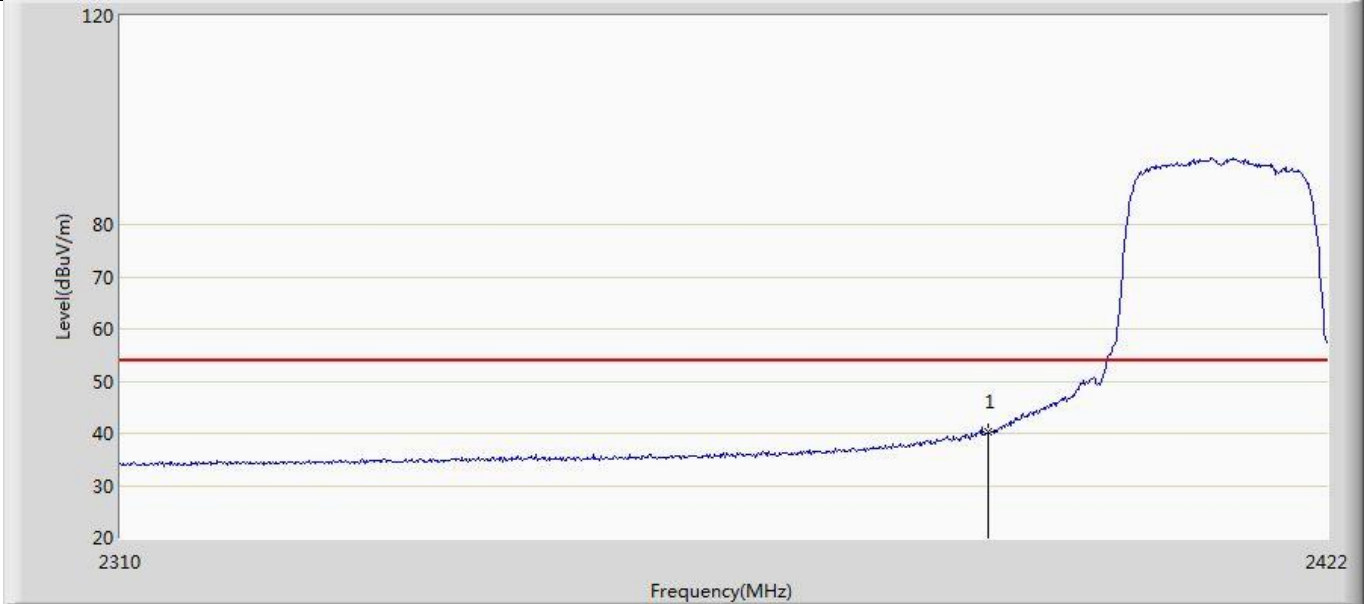
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	45.970	11.514	-8.030	54.000	34.456	AV
2		2490.304	45.932	11.401	-8.068	54.000	34.531	AV

Profile: 2410570R	Page No.: 9
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:16
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 2412MHz by 802.11g with Ant1	



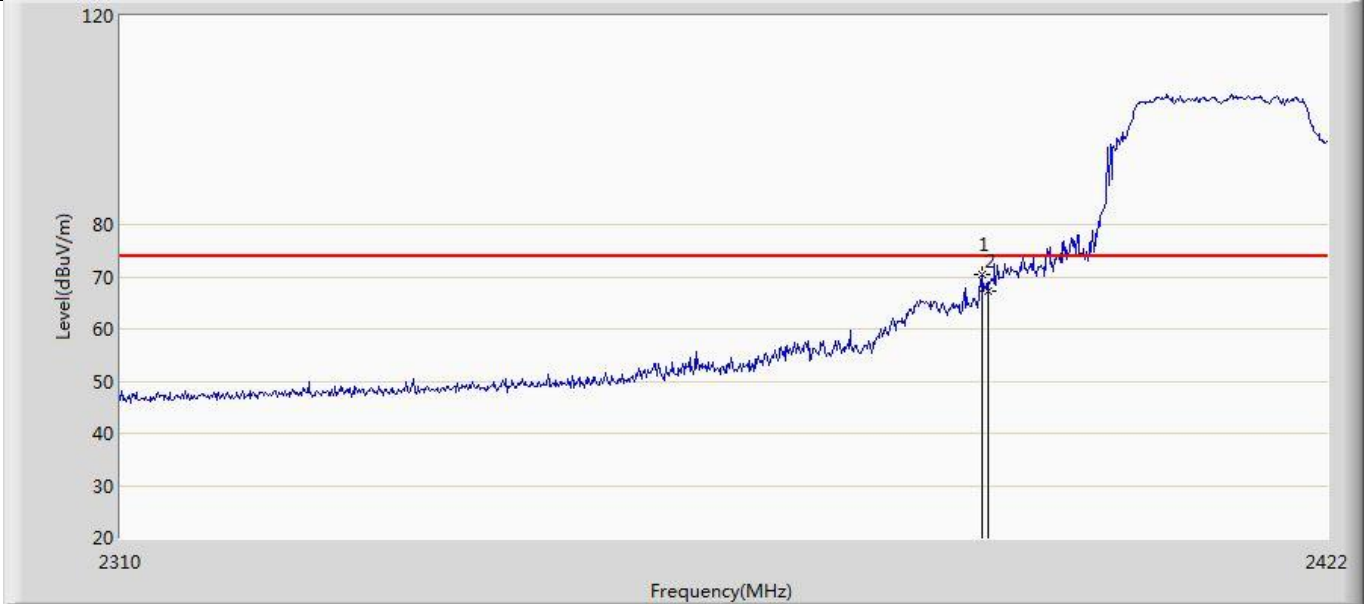
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2389.296	61.925	27.777	-12.075	74.000	34.148	PK
2		2390.000	59.716	25.565	-14.284	74.000	34.151	PK

Profile: 2410570R	Page No.: 10
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:18
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 2412MHz by 802.11g with Ant1	



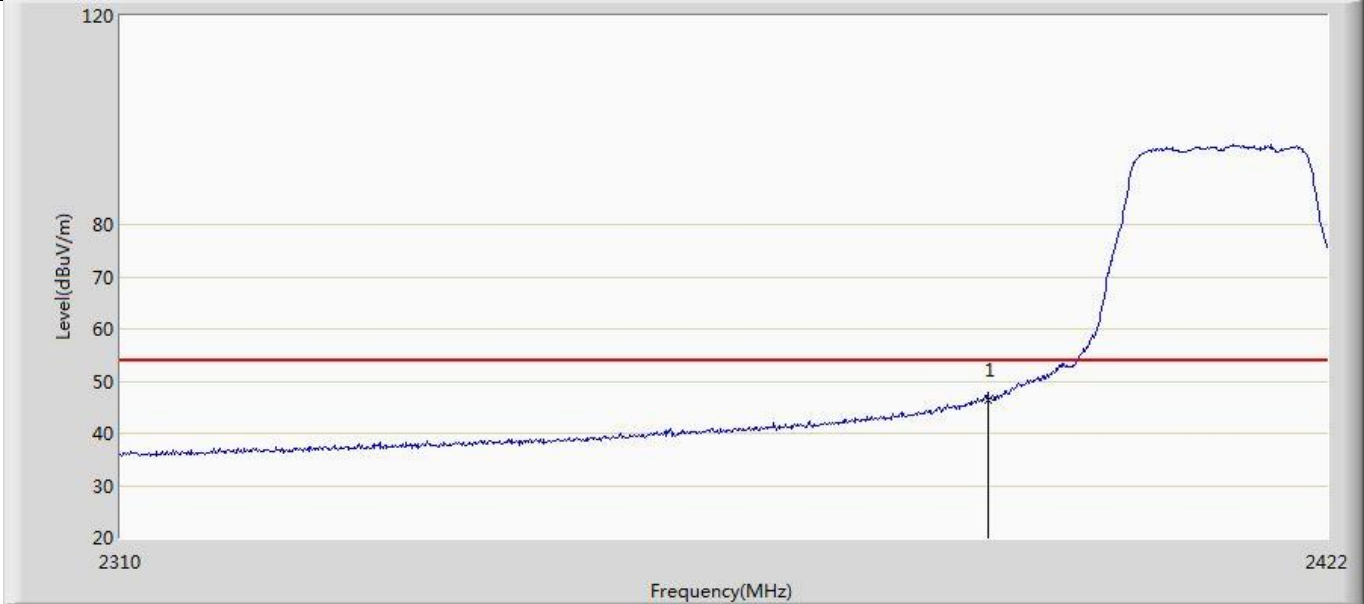
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	40.403	6.252	-13.597	54.000	34.151	AV

Profile: 2410570R	Page No.: 11
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:20
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 2412MHz by 802.11g with Ant1	



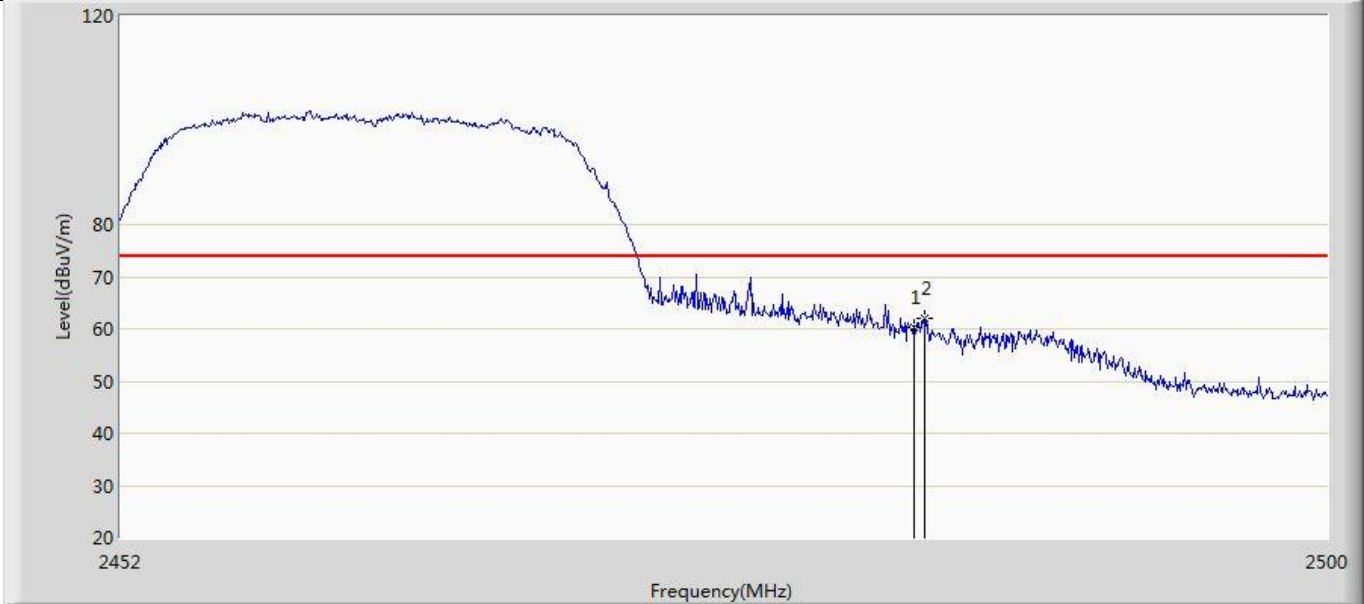
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2389.520	70.371	36.222	-3.629	74.000	34.148	PK
2		2390.000	67.142	32.991	-6.858	74.000	34.151	PK

Profile: 2410570R	Page No.: 12
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:22
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 2412MHz by 802.11g with Ant1	



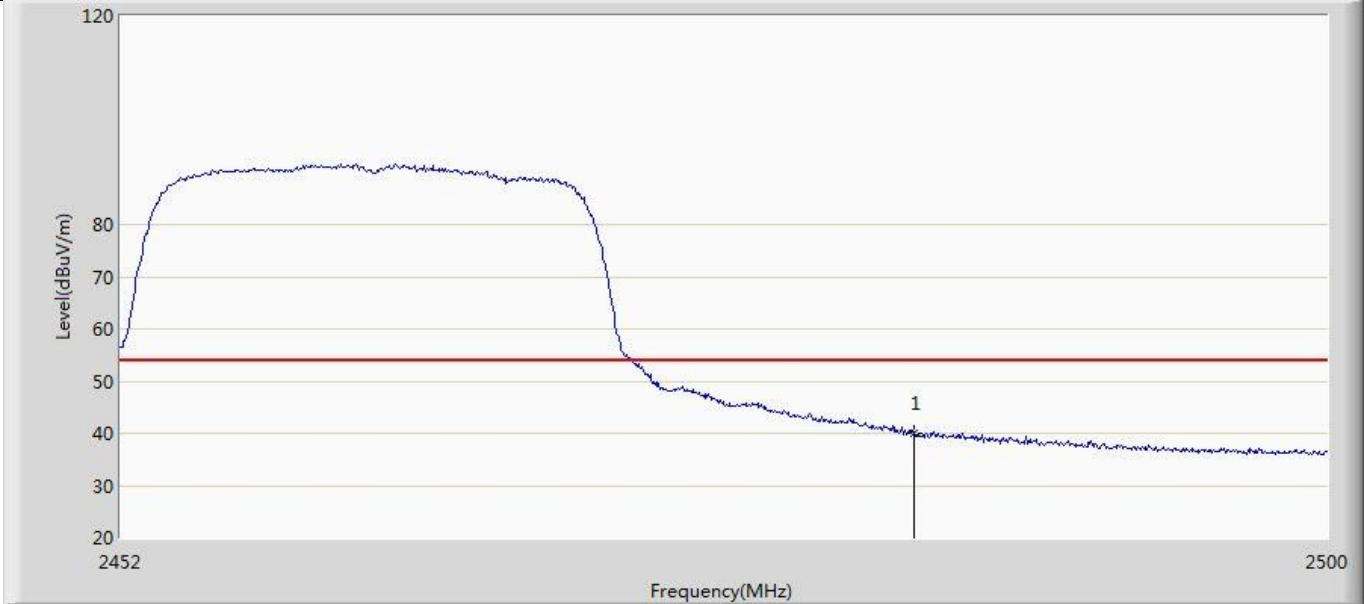
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	46.438	12.287	-7.562	54.000	34.151	AV

Profile: 2410570R	Page No.: 13
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:24
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 2462MHz by 802.11g with Ant1	



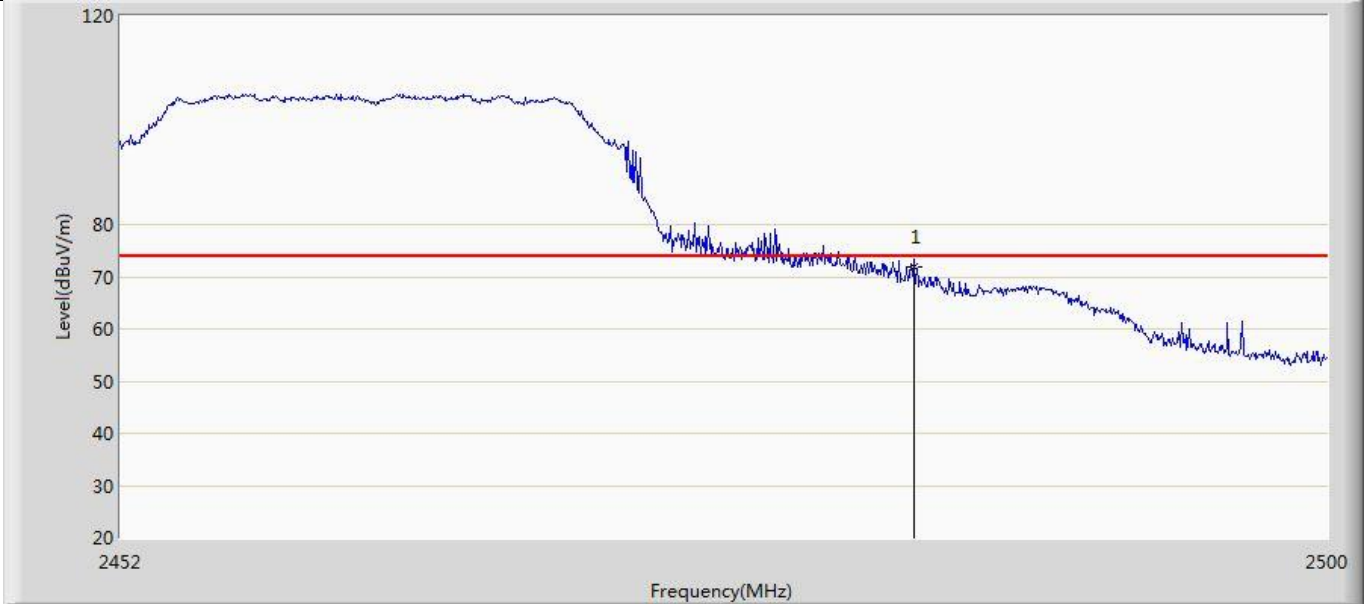
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	60.221	25.765	-13.779	74.000	34.456	PK
2	*	2483.872	61.916	27.456	-12.084	74.000	34.459	PK

Profile: 2410570R	Page No.: 14
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:26
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 2462MHz by 802.11g with Ant1	



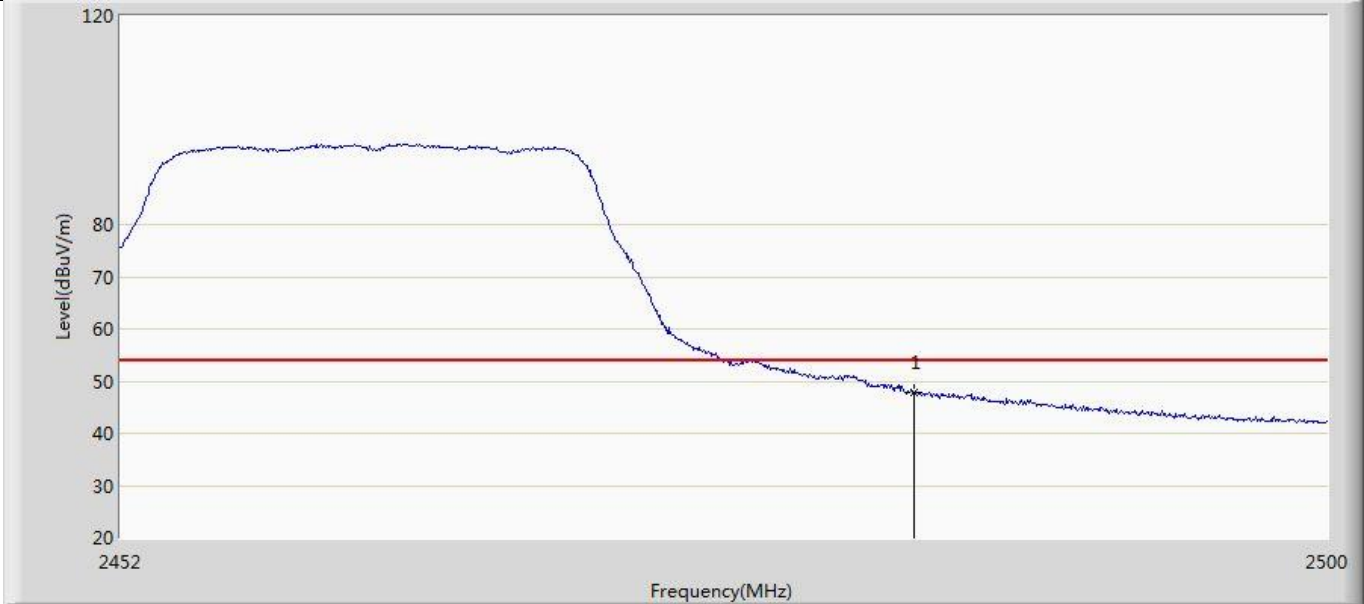
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	39.986	5.530	-14.014	54.000	34.456	AV

Profile: 2410570R	Page No.: 15
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:27
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 2462MHz by 802.11g with Ant1	



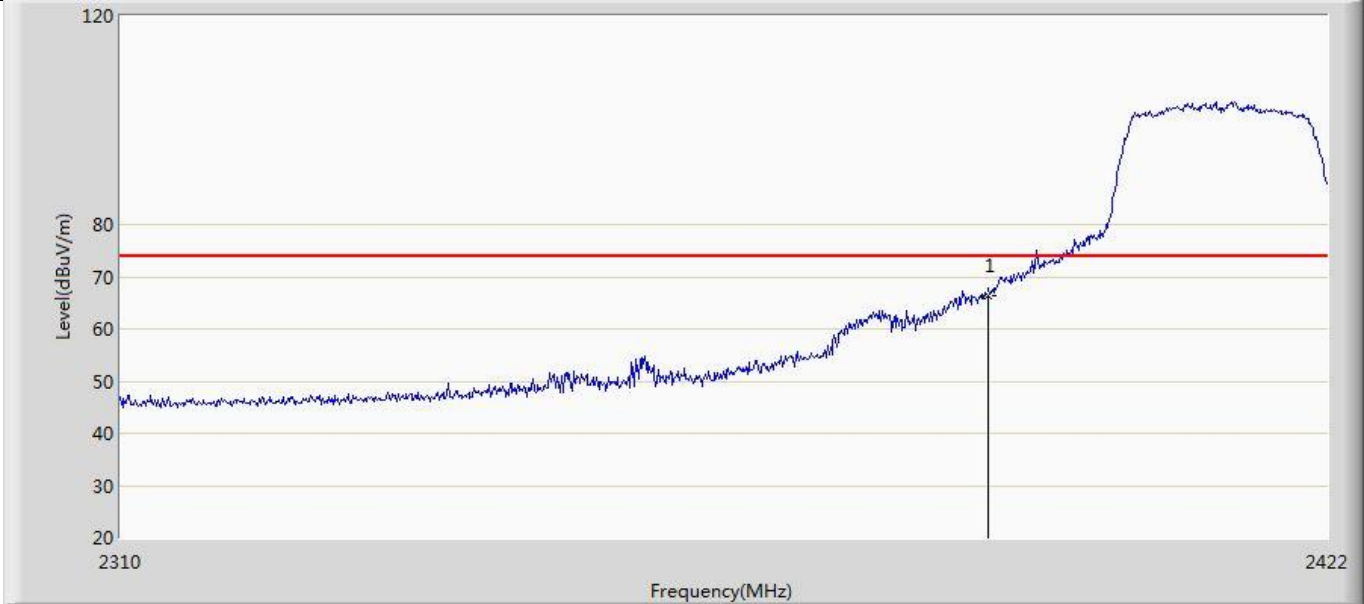
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	71.787	37.331	-2.213	74.000	34.456	PK

Profile: 2410570R	Page No.: 16
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:29
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 2462MHz by 802.11g with Ant1	



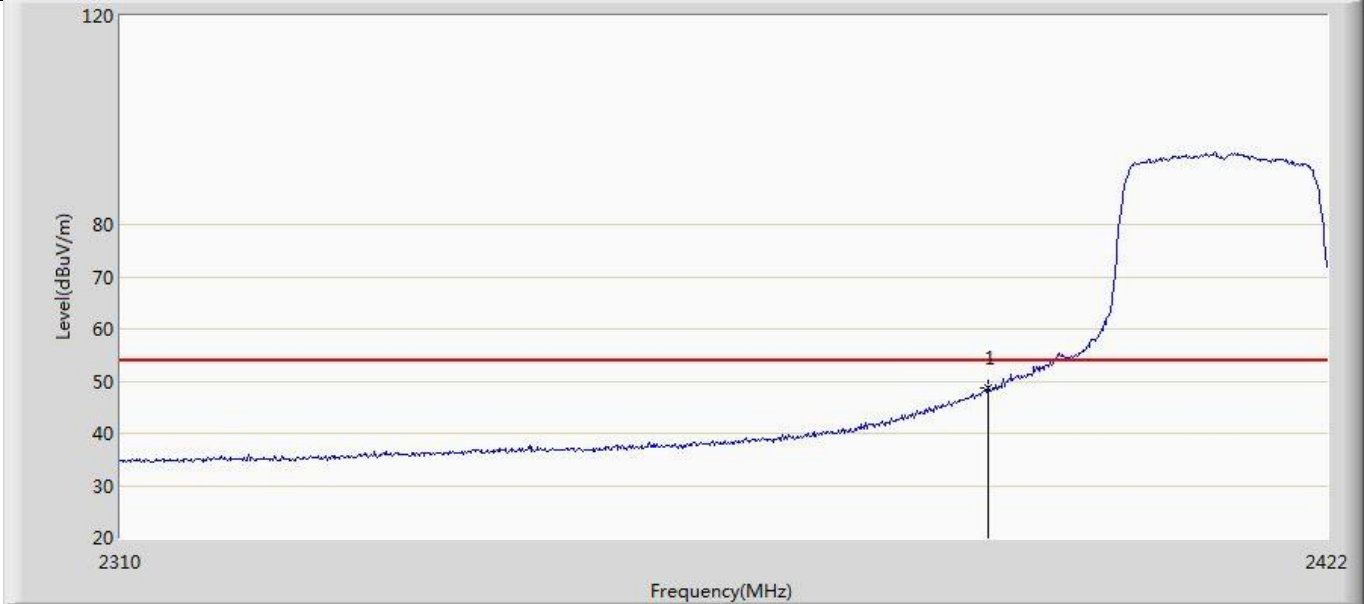
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	47.791	13.335	-6.209	54.000	34.456	AV

Profile: 2410570R	Page No.: 17
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:31
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 3 : Transmit at 2412MHz by 802.11n(20MHz) with Ant1	



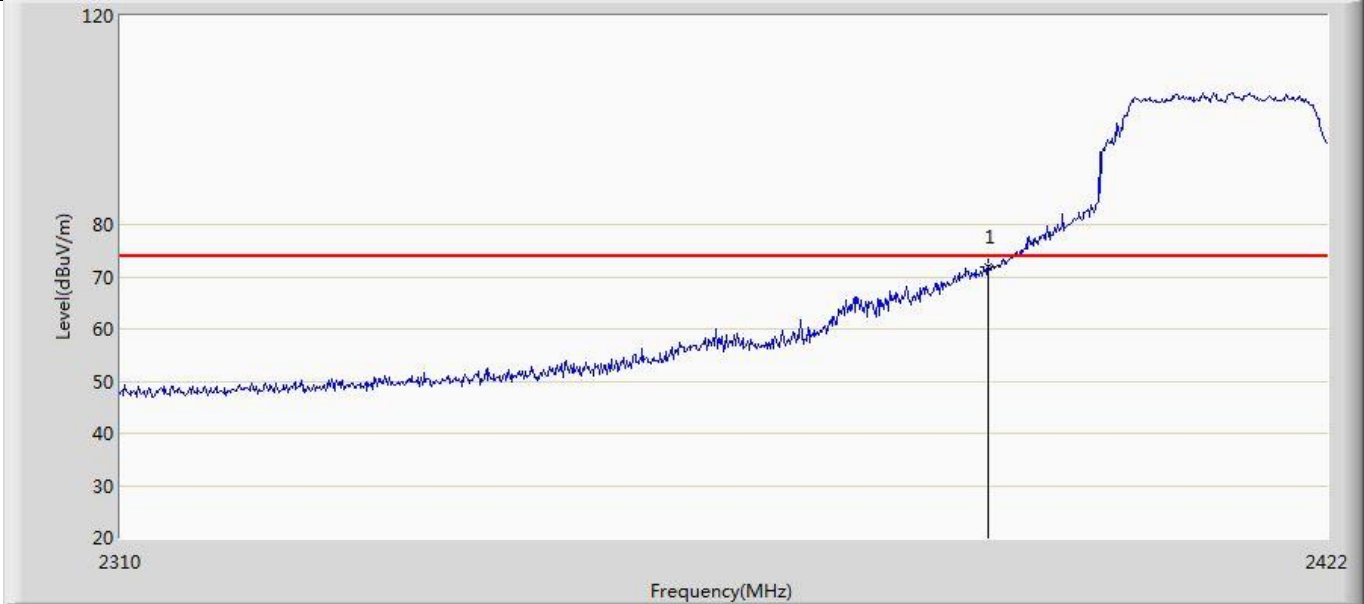
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	66.380	32.229	-7.620	74.000	34.151	PK

Profile: 2410570R	Page No.: 18
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:33
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 3 : Transmit at 2412MHz by 802.11n(20MHz) with Ant1	



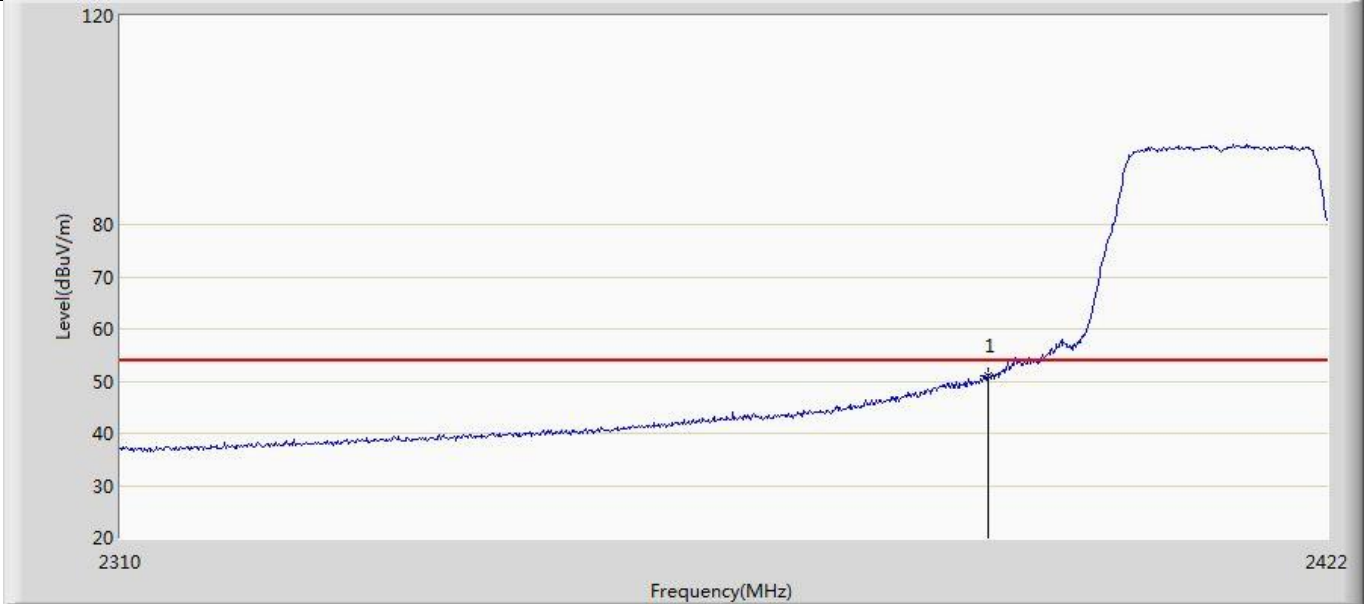
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	48.757	14.606	-5.243	54.000	34.151	AV

Profile: 2410570R	Page No.: 19
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:35
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 3 : Transmit at 2412MHz by 802.11n(20MHz) with Ant1	



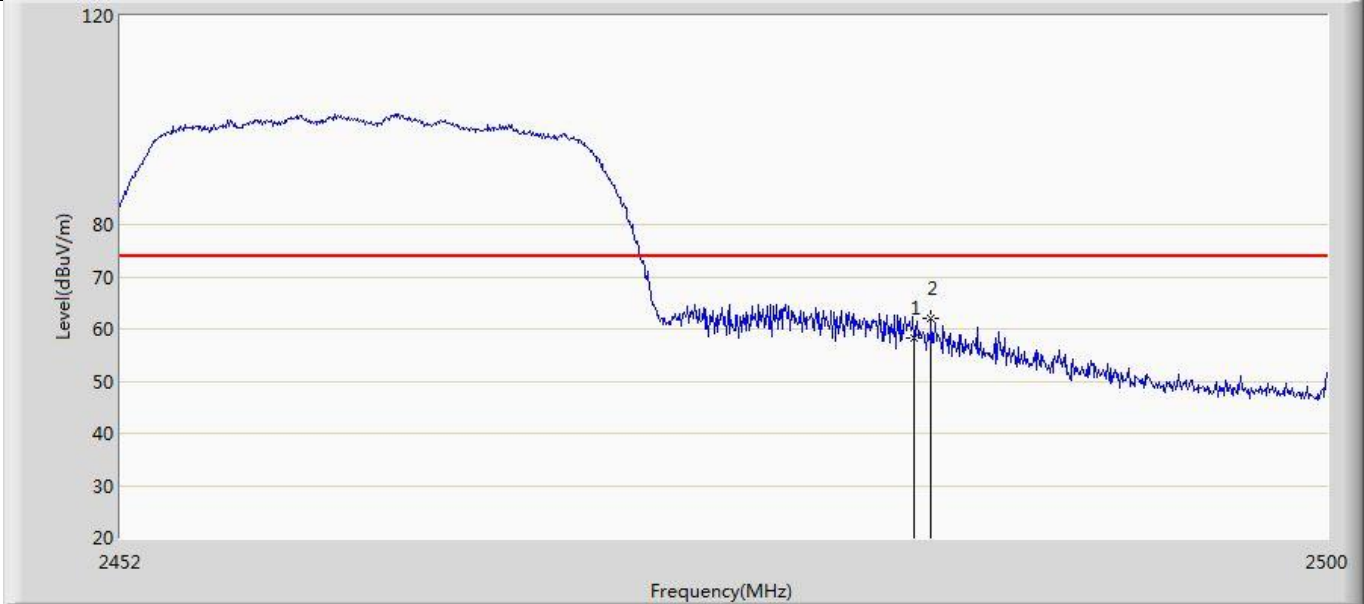
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	71.945	37.794	-2.055	74.000	34.151	PK

Profile: 2410570R	Page No.: 20
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:38
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 3 : Transmit at 2412MHz by 802.11n(20MHz) with Ant1	



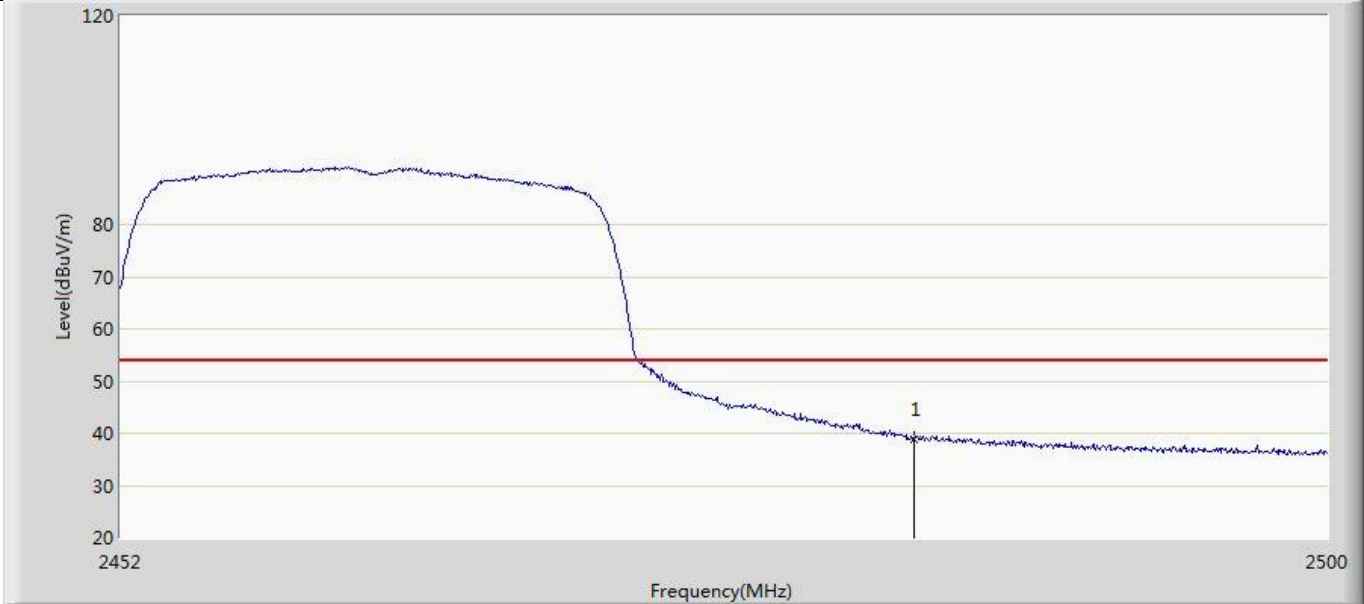
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	51.142	16.991	-2.858	54.000	34.151	AV

Profile: 2410570R	Page No.: 21
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:40
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 3 : Transmit at 2462MHz by 802.11n(20MHz) with Ant1	



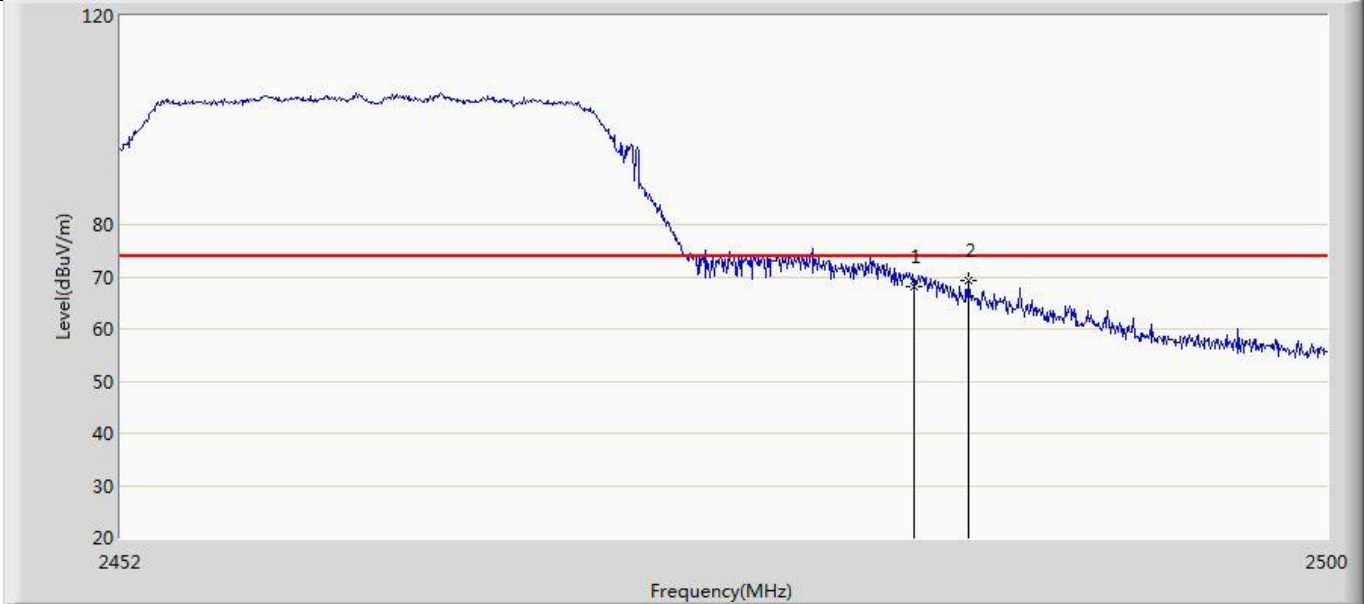
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	58.152	23.696	-15.848	74.000	34.456	PK
2	*	2484.160	62.094	27.631	-11.906	74.000	34.463	PK

Profile: 2410570R	Page No.: 22
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:41
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 3 : Transmit at 2462MHz by 802.11n(20MHz) with Ant1	



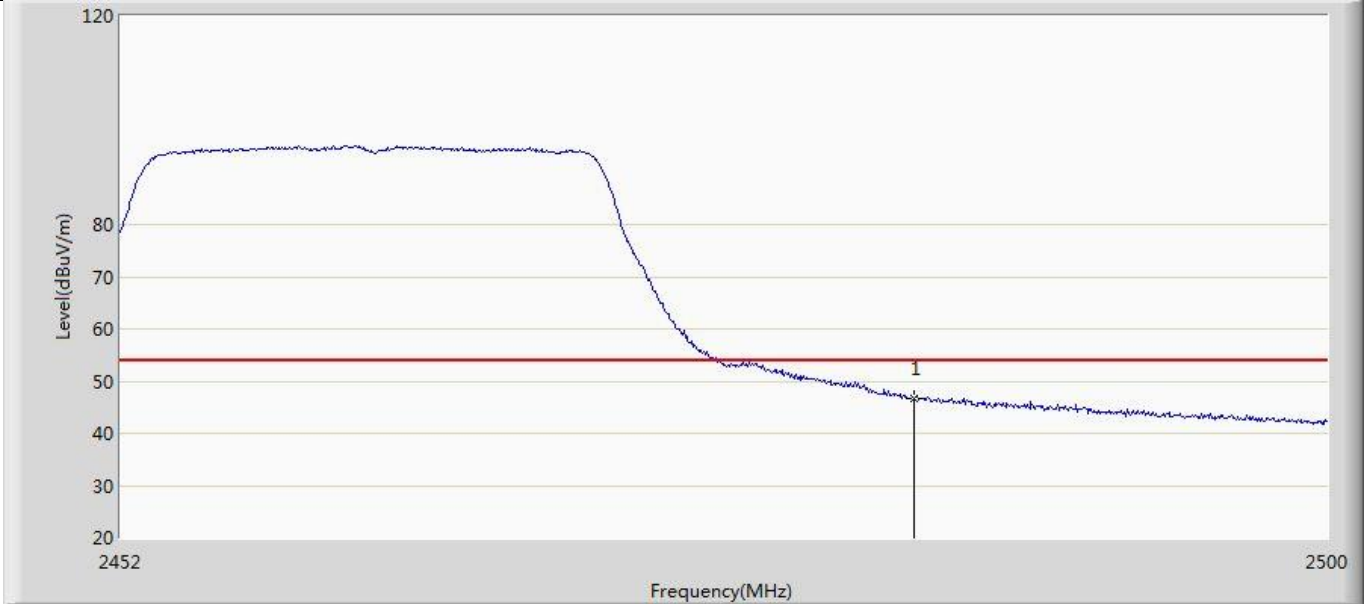
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	38.937	4.481	-15.063	54.000	34.456	AV

Profile: 2410570R	Page No.: 23
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:43
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 3 : Transmit at 2462MHz by 802.11n(20MHz) with Ant1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	68.012	33.556	-5.988	74.000	34.456	PK
2	*	2485.648	69.334	34.854	-4.666	74.000	34.480	PK

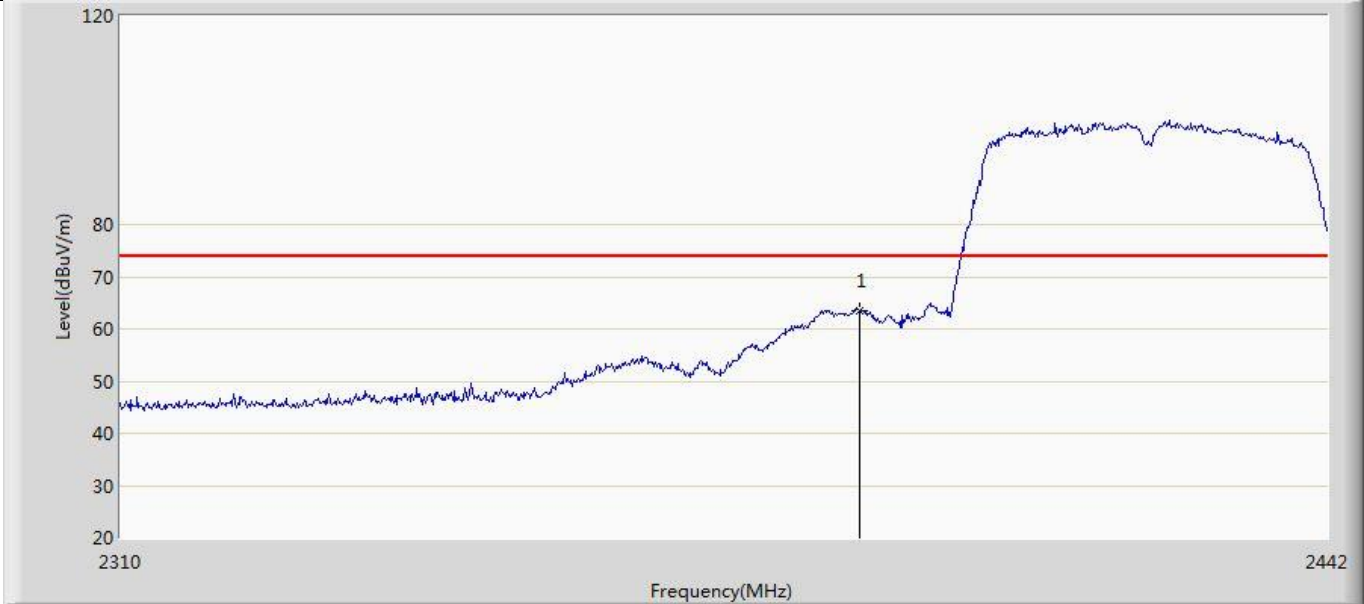
Profile: 2410570R	Page No.: 24
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS Station	Power: AC 120V/60Hz
Note: Mode 3 : Transmit at 2462MHz by 802.11n(20MHz) with Ant1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	46.698	12.242	-7.302	54.000	34.456	AV

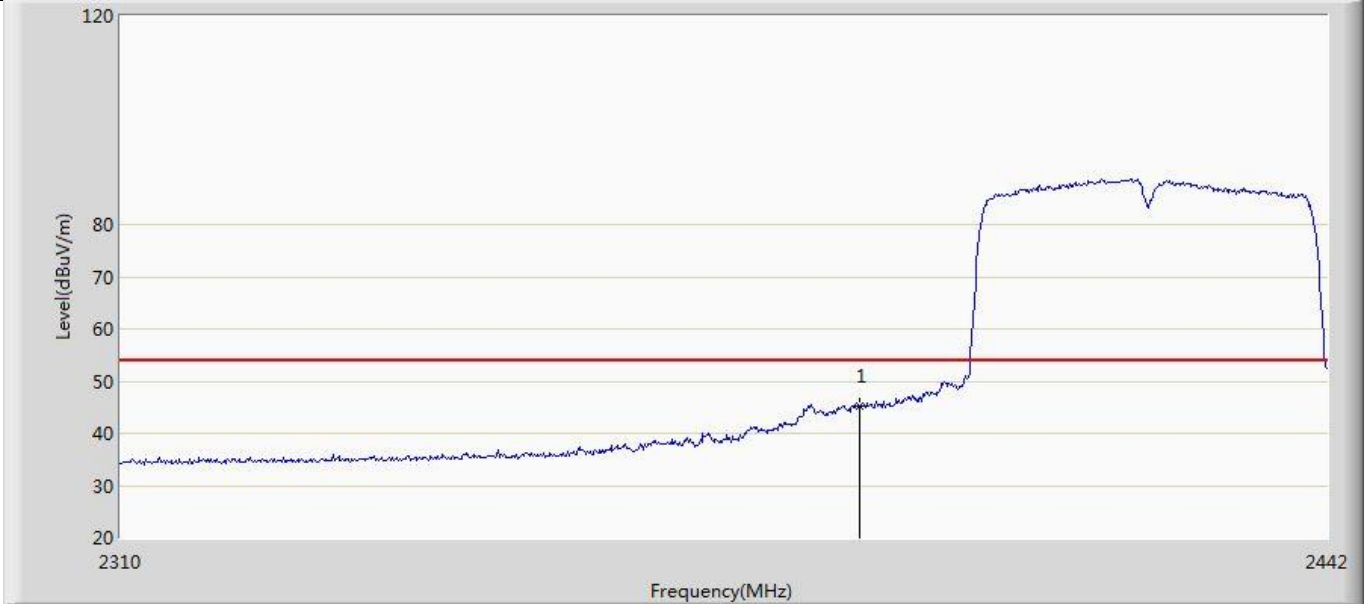


Profile: 2410570R	Page No.: 25
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS Station	Power: AC 120V/60Hz
Note: Mode 4 : Transmit at 2422MHz by 802.11n(40MHz) with Ant1	



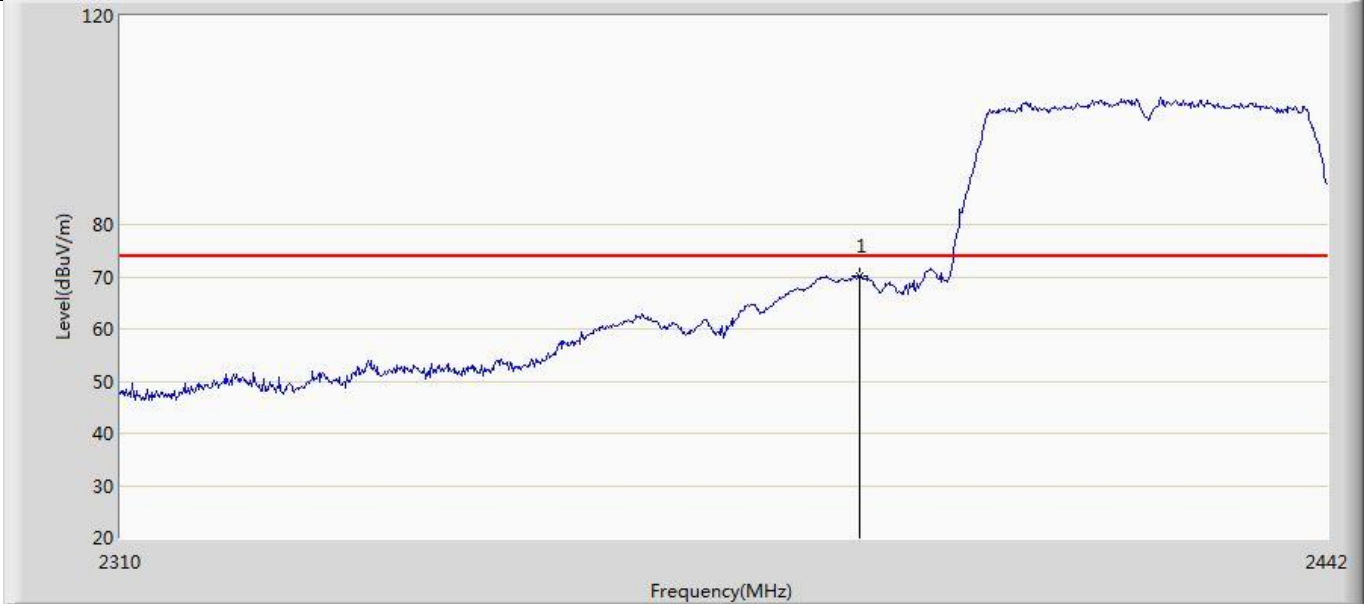
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	63.383	29.232	-10.617	74.000	34.151	PK

Profile: 2410570R	Page No.: 26
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:47
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 4 : Transmit at 2422MHz by 802.11n(40MHz) with Ant1	



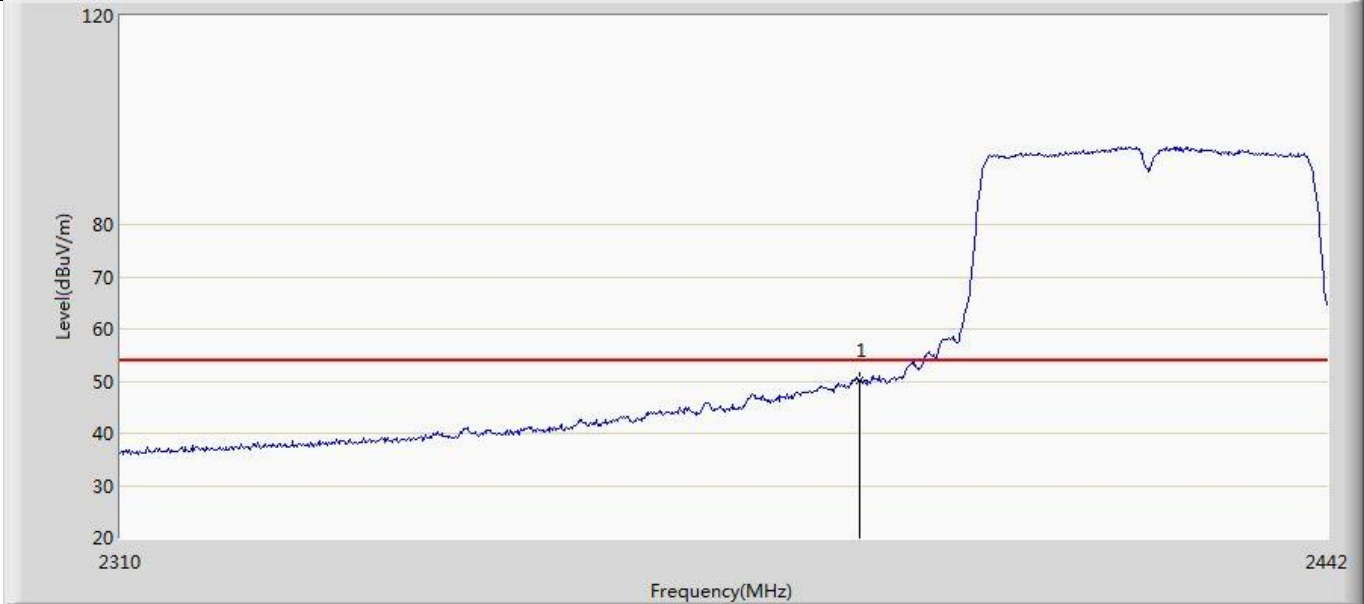
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	45.152	11.001	-8.848	54.000	34.151	AV

Profile: 2410570R	Page No.: 27
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:49
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 4 : Transmit at 2422MHz by 802.11n(40MHz) with Ant1	



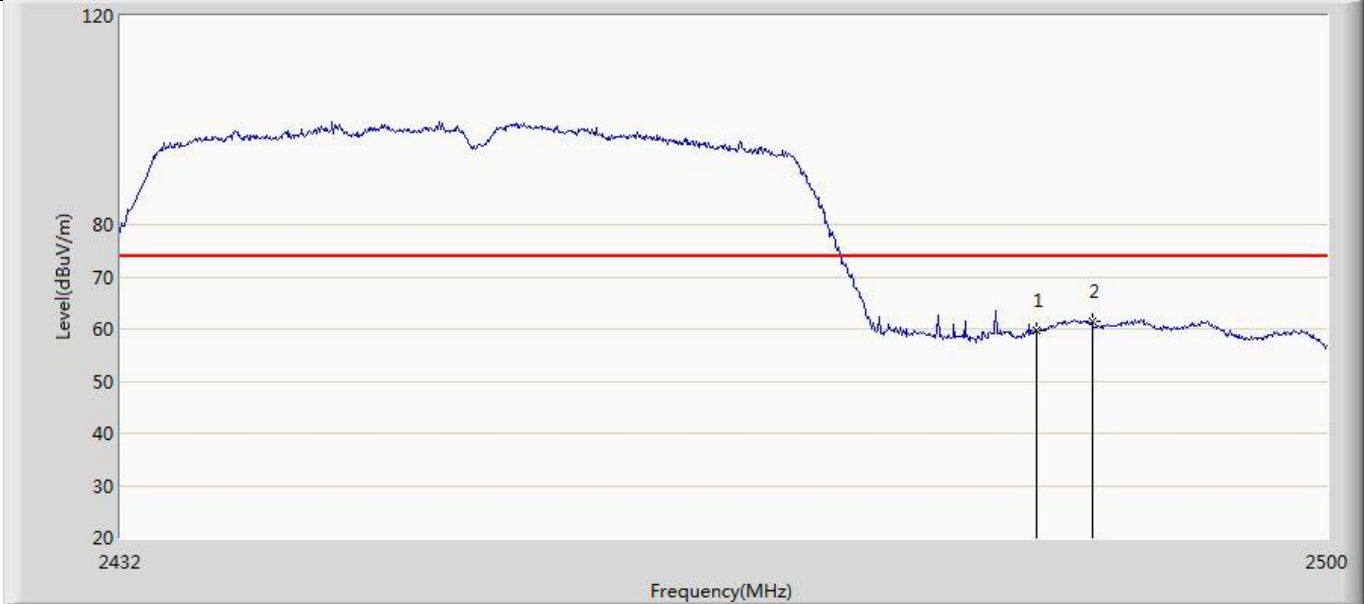
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	70.054	35.903	-3.946	74.000	34.151	PK

Profile: 2410570R	Page No.: 28
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:51
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 4 : Transmit at 2422MHz by 802.11n(40MHz) with Ant1	



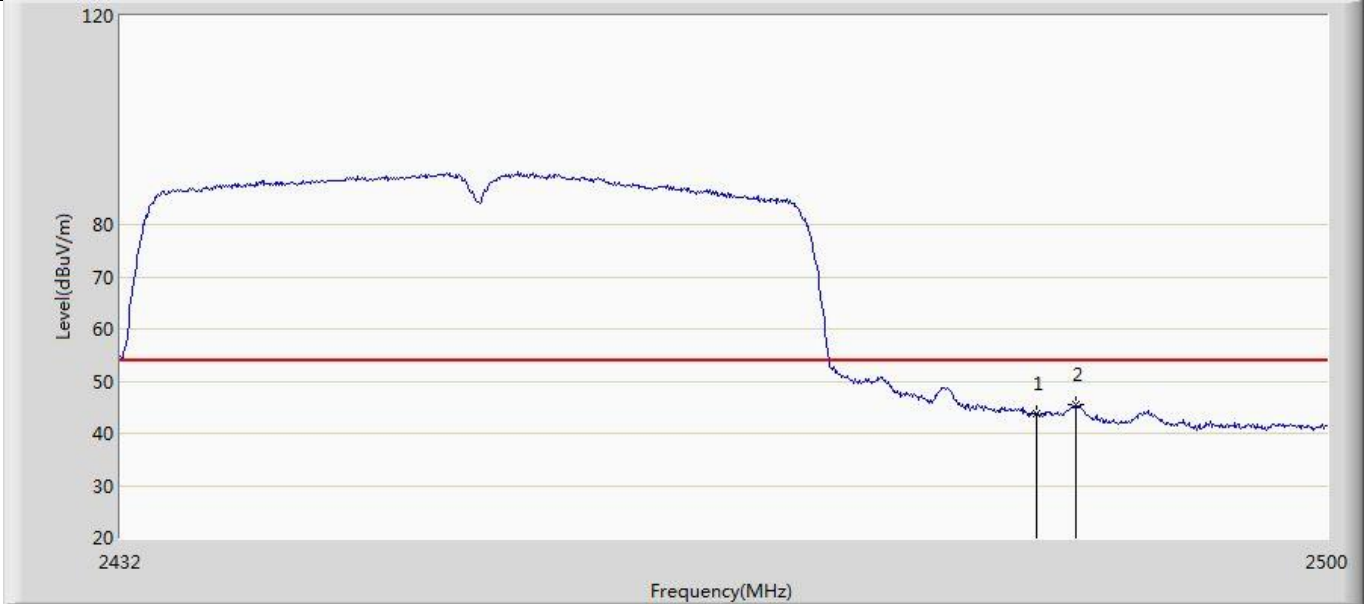
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	50.113	15.962	-3.887	54.000	34.151	AV

Profile: 2410570R	Page No.: 29
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:53
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 4 : Transmit at 2452MHz by 802.11n(40MHz) with Ant1	



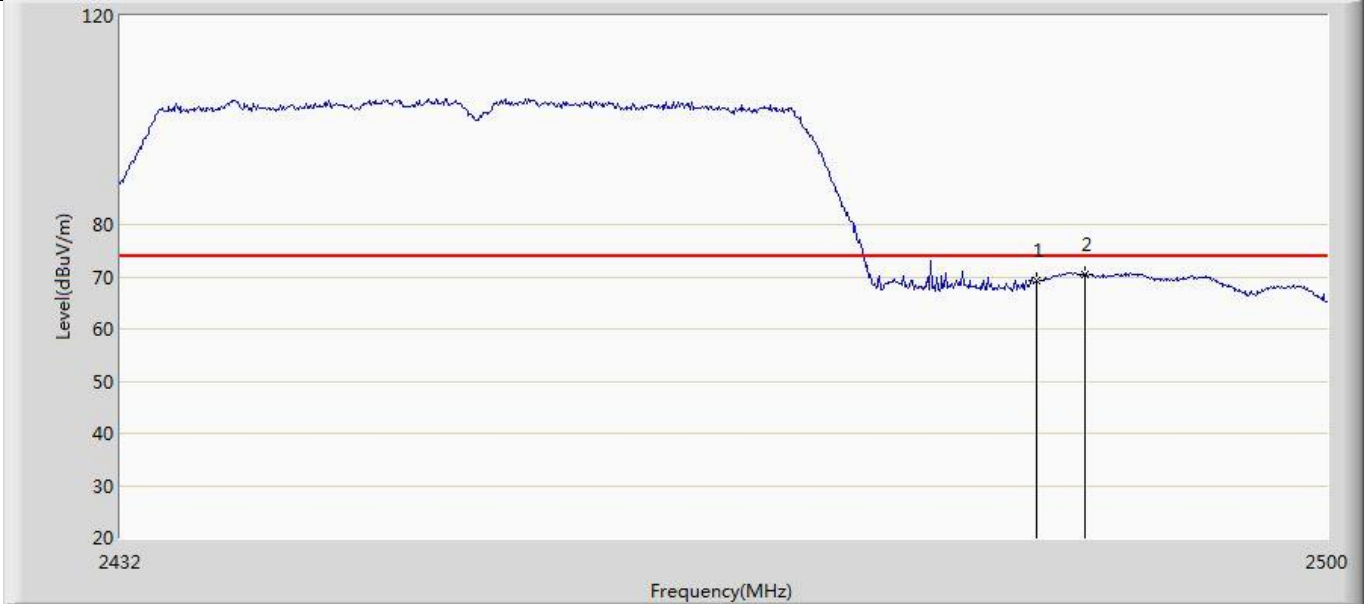
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	59.645	25.189	-14.355	74.000	34.456	PK
2	*	2486.604	61.554	27.064	-12.446	74.000	34.490	PK

Profile: 2410570R	Page No.: 30
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:55
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 4 : Transmit at 2452MHz by 802.11n(40MHz) with Ant1	



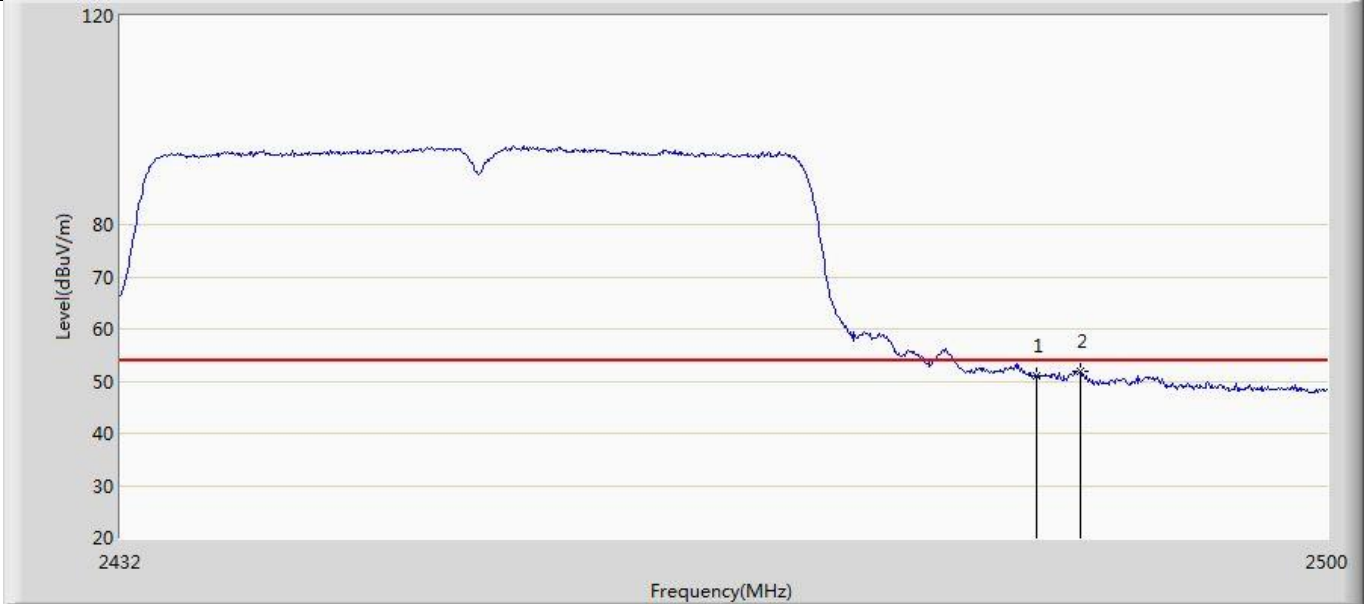
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	43.711	9.255	-10.289	54.000	34.456	AV
2	*	2485.720	45.381	10.901	-8.619	54.000	34.480	AV

Profile: 2410570R	Page No.: 31
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:57
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 4 : Transmit at 2452MHz by 802.11n(40MHz) with Ant1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	69.296	34.840	-4.704	74.000	34.456	PK
2	*	2486.196	70.522	36.036	-3.478	74.000	34.486	PK

Profile: 2410570R	Page No.: 32
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/01 - 13:59
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 4 : Transmit at 2452MHz by 802.11n(40MHz) with Ant1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	50.870	16.414	-3.130	54.000	34.456	AV
2	*	2485.992	51.884	17.401	-2.116	54.000	34.483	AV

Note:

1. " * ", means this data is the worst emission level.
2. Measured Level = Reading Level + Factor.
3. We have evaluated each operating mode and SISO/MIMO mode, SISO mode Antenna1 is worse ,shown in the report is the worst SISO Antenna1 data.

10 TEST RESULT-APPENDIX E: CONDUCTED SPURIOUS EMISSION

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~1000	13.96	-47.77	≤-16.04	PASS
11B	Ant1	2412	1000~3000	13.96	-46.2	≤-16.04	PASS
11B	Ant1	2412	3000~5000	13.96	-50.12	≤-16.04	PASS
11B	Ant1	2412	5000~7000	13.96	-51.4	≤-16.04	PASS
11B	Ant1	2412	7000~9000	13.96	-38.98	≤-16.04	PASS
11B	Ant1	2412	9000~11000	13.96	-51.6	≤-16.04	PASS
11B	Ant1	2412	11000~13000	13.96	-50.32	≤-16.04	PASS
11B	Ant1	2412	13000~15000	13.96	-46.12	≤-16.04	PASS
11B	Ant1	2412	15000~17000	13.96	-45.09	≤-16.04	PASS
11B	Ant1	2412	17000~19000	13.96	-45.14	≤-16.04	PASS
11B	Ant1	2412	19000~21000	13.96	-43.46	≤-16.04	PASS
11B	Ant1	2412	21000~23000	13.96	-42.66	≤-16.04	PASS
11B	Ant1	2412	23000~25000	13.96	-41.11	≤-16.04	PASS
11B	Ant1	2437	30~1000	13.75	-51.14	≤-16.25	PASS
11B	Ant1	2437	1000~3000	13.75	-49.3	≤-16.25	PASS
11B	Ant1	2437	3000~5000	13.75	-47.75	≤-16.25	PASS
11B	Ant1	2437	5000~7000	13.75	-51.01	≤-16.25	PASS
11B	Ant1	2437	7000~9000	13.75	-42.76	≤-16.25	PASS
11B	Ant1	2437	9000~11000	13.75	-50.98	≤-16.25	PASS
11B	Ant1	2437	11000~13000	13.75	-51.09	≤-16.25	PASS
11B	Ant1	2437	13000~15000	13.75	-45.86	≤-16.25	PASS
11B	Ant1	2437	15000~17000	13.75	-45.17	≤-16.25	PASS
11B	Ant1	2437	17000~19000	13.75	-44.69	≤-16.25	PASS
11B	Ant1	2437	19000~21000	13.75	-43.67	≤-16.25	PASS
11B	Ant1	2437	21000~23000	13.75	-42.89	≤-16.25	PASS
11B	Ant1	2437	23000~25000	13.75	-41.35	≤-16.25	PASS
11B	Ant1	2462	30~1000	12.48	-49.68	≤-17.52	PASS
11B	Ant1	2462	1000~3000	12.48	-48.27	≤-17.52	PASS
11B	Ant1	2462	3000~5000	12.48	-49.58	≤-17.52	PASS
11B	Ant1	2462	5000~7000	12.48	-50.8	≤-17.52	PASS
11B	Ant1	2462	7000~9000	12.48	-39.25	≤-17.52	PASS
11B	Ant1	2462	9000~11000	12.48	-50.85	≤-17.52	PASS
11B	Ant1	2462	11000~13000	12.48	-51.52	≤-17.52	PASS
11B	Ant1	2462	13000~15000	12.48	-46.7	≤-17.52	PASS
11B	Ant1	2462	15000~17000	12.48	-44.99	≤-17.52	PASS
11B	Ant1	2462	17000~19000	12.48	-45.02	≤-17.52	PASS
11B	Ant1	2462	19000~21000	12.48	-43.6	≤-17.52	PASS
11B	Ant1	2462	21000~23000	12.48	-43.19	≤-17.52	PASS
11B	Ant1	2462	23000~25000	12.48	-41.9	≤-17.52	PASS
11G	Ant1	2412	30~1000	5.53	-47.16	≤-24.47	PASS
11G	Ant1	2412	1000~3000	5.53	-48.62	≤-24.47	PASS
11G	Ant1	2412	3000~5000	5.53	-50.5	≤-24.47	PASS
11G	Ant1	2412	5000~7000	5.53	-51.14	≤-24.47	PASS
11G	Ant1	2412	7000~9000	5.53	-47.4	≤-24.47	PASS
11G	Ant1	2412	9000~11000	5.53	-50.88	≤-24.47	PASS
11G	Ant1	2412	11000~13000	5.53	-51.8	≤-24.47	PASS

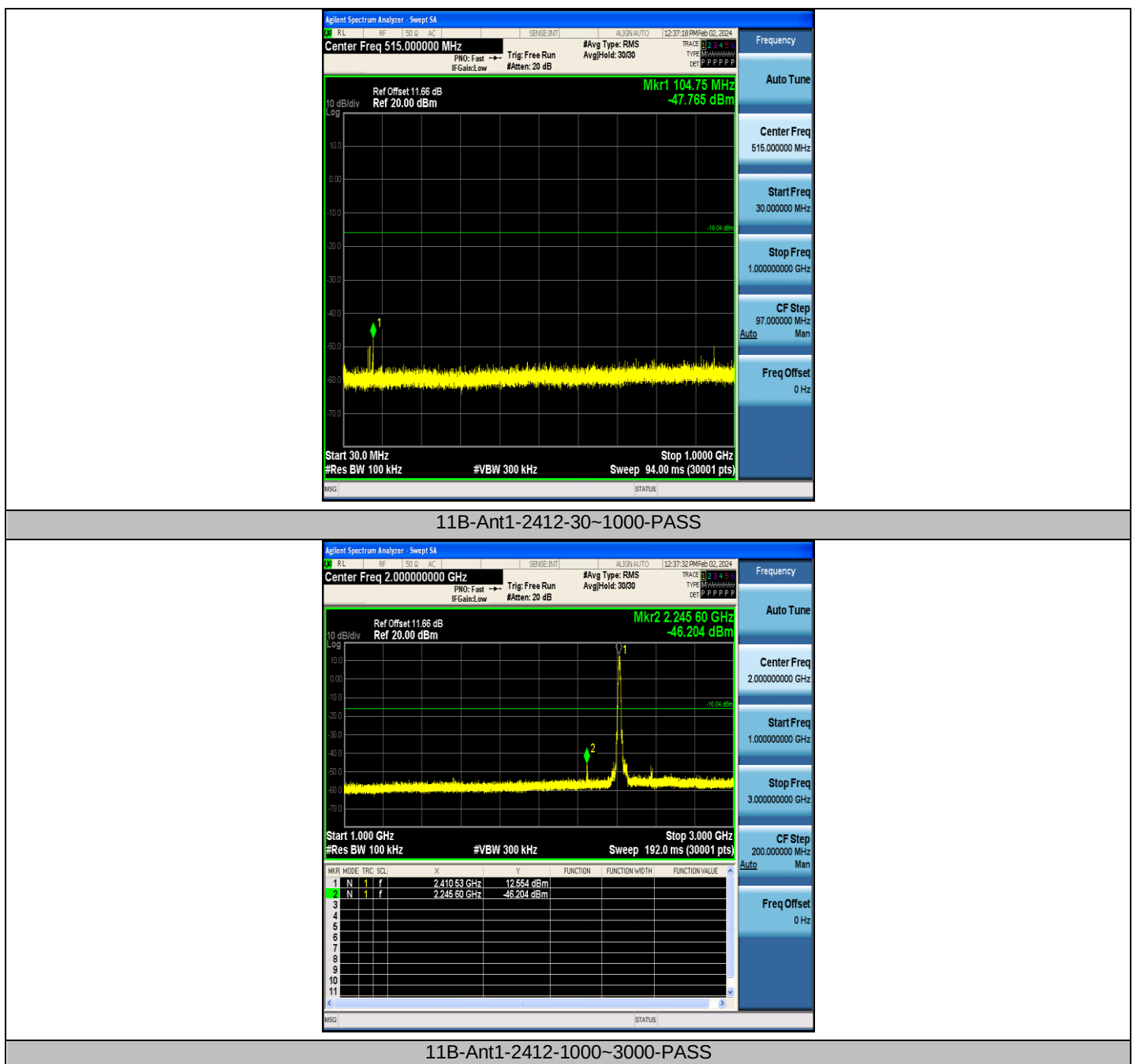
11G	Ant1	2412	13000~15000	5.53	-46.62	≤-24.47	PASS
11G	Ant1	2412	15000~17000	5.53	-44.44	≤-24.47	PASS
11G	Ant1	2412	17000~19000	5.53	-44.76	≤-24.47	PASS
11G	Ant1	2412	19000~21000	5.53	-43.52	≤-24.47	PASS
11G	Ant1	2412	21000~23000	5.53	-42.78	≤-24.47	PASS
11G	Ant1	2412	23000~25000	5.53	-41.63	≤-24.47	PASS
11G	Ant1	2437	30~1000	5.73	-48.39	≤-24.27	PASS
11G	Ant1	2437	1000~3000	5.73	-48.46	≤-24.27	PASS
11G	Ant1	2437	3000~5000	5.73	-50.33	≤-24.27	PASS
11G	Ant1	2437	5000~7000	5.73	-51.19	≤-24.27	PASS
11G	Ant1	2437	7000~9000	5.73	-49.09	≤-24.27	PASS
11G	Ant1	2437	9000~11000	5.73	-51.65	≤-24.27	PASS
11G	Ant1	2437	11000~13000	5.73	-51.61	≤-24.27	PASS
11G	Ant1	2437	13000~15000	5.73	-47.14	≤-24.27	PASS
11G	Ant1	2437	15000~17000	5.73	-45.16	≤-24.27	PASS
11G	Ant1	2437	17000~19000	5.73	-44.75	≤-24.27	PASS
11G	Ant1	2437	19000~21000	5.73	-43.46	≤-24.27	PASS
11G	Ant1	2437	21000~23000	5.73	-42.52	≤-24.27	PASS
11G	Ant1	2437	23000~25000	5.73	-41.51	≤-24.27	PASS
11G	Ant1	2462	30~1000	5.76	-49.04	≤-24.24	PASS
11G	Ant1	2462	1000~3000	5.76	-48.86	≤-24.24	PASS
11G	Ant1	2462	3000~5000	5.76	-50.41	≤-24.24	PASS
11G	Ant1	2462	5000~7000	5.76	-50.62	≤-24.24	PASS
11G	Ant1	2462	7000~9000	5.76	-47.84	≤-24.24	PASS
11G	Ant1	2462	9000~11000	5.76	-52.17	≤-24.24	PASS
11G	Ant1	2462	11000~13000	5.76	-51.24	≤-24.24	PASS
11G	Ant1	2462	13000~15000	5.76	-47.9	≤-24.24	PASS
11G	Ant1	2462	15000~17000	5.76	-46.2	≤-24.24	PASS
11G	Ant1	2462	17000~19000	5.76	-45.95	≤-24.24	PASS
11G	Ant1	2462	19000~21000	5.76	-43.68	≤-24.24	PASS
11G	Ant1	2462	21000~23000	5.76	-44.26	≤-24.24	PASS
11G	Ant1	2462	23000~25000	5.76	-42.05	≤-24.24	PASS
11N20SISO	Ant1	2412	30~1000	7.18	-49.34	≤-22.82	PASS
11N20SISO	Ant1	2412	1000~3000	7.18	-47.51	≤-22.82	PASS
11N20SISO	Ant1	2412	3000~5000	7.18	-50.49	≤-22.82	PASS
11N20SISO	Ant1	2412	5000~7000	7.18	-51.13	≤-22.82	PASS
11N20SISO	Ant1	2412	7000~9000	7.18	-46.5	≤-22.82	PASS
11N20SISO	Ant1	2412	9000~11000	7.18	-51.48	≤-22.82	PASS
11N20SISO	Ant1	2412	11000~13000	7.18	-50.62	≤-22.82	PASS
11N20SISO	Ant1	2412	13000~15000	7.18	-47.18	≤-22.82	PASS
11N20SISO	Ant1	2412	15000~17000	7.18	-46.04	≤-22.82	PASS
11N20SISO	Ant1	2412	17000~19000	7.18	-44.8	≤-22.82	PASS
11N20SISO	Ant1	2412	19000~21000	7.18	-43.68	≤-22.82	PASS
11N20SISO	Ant1	2412	21000~23000	7.18	-43.14	≤-22.82	PASS
11N20SISO	Ant1	2412	23000~25000	7.18	-41.37	≤-22.82	PASS
11N20SISO	Ant1	2437	30~1000	4.63	-47.47	≤-25.37	PASS
11N20SISO	Ant1	2437	1000~3000	4.63	-48.27	≤-25.37	PASS
11N20SISO	Ant1	2437	3000~5000	4.63	-50.29	≤-25.37	PASS
11N20SISO	Ant1	2437	5000~7000	4.63	-50.98	≤-25.37	PASS
11N20SISO	Ant1	2437	7000~9000	4.63	-49.34	≤-25.37	PASS
11N20SISO	Ant1	2437	9000~11000	4.63	-51.88	≤-25.37	PASS

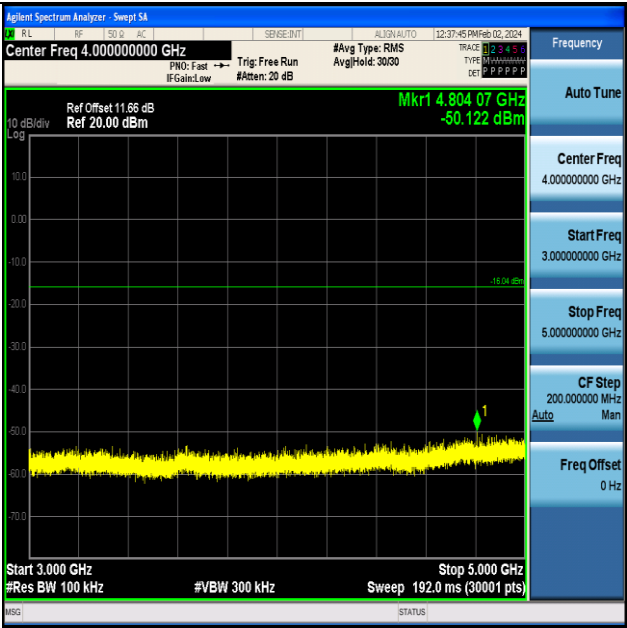
11N20SISO	Ant1	2437	11000~13000	4.63	-50.89	≤-25.37	PASS
11N20SISO	Ant1	2437	13000~15000	4.63	-47.62	≤-25.37	PASS
11N20SISO	Ant1	2437	15000~17000	4.63	-44.6	≤-25.37	PASS
11N20SISO	Ant1	2437	17000~19000	4.63	-45.28	≤-25.37	PASS
11N20SISO	Ant1	2437	19000~21000	4.63	-44.28	≤-25.37	PASS
11N20SISO	Ant1	2437	21000~23000	4.63	-43.52	≤-25.37	PASS
11N20SISO	Ant1	2437	23000~25000	4.63	-41.79	≤-25.37	PASS
11N20SISO	Ant1	2462	30~1000	5.46	-48.95	≤-24.54	PASS
11N20SISO	Ant1	2462	1000~3000	5.46	-48.2	≤-24.54	PASS
11N20SISO	Ant1	2462	3000~5000	5.46	-50.59	≤-24.54	PASS
11N20SISO	Ant1	2462	5000~7000	5.46	-51.51	≤-24.54	PASS
11N20SISO	Ant1	2462	7000~9000	5.46	-48.61	≤-24.54	PASS
11N20SISO	Ant1	2462	9000~11000	5.46	-50.57	≤-24.54	PASS
11N20SISO	Ant1	2462	11000~13000	5.46	-50.83	≤-24.54	PASS
11N20SISO	Ant1	2462	13000~15000	5.46	-47.33	≤-24.54	PASS
11N20SISO	Ant1	2462	15000~17000	5.46	-45.12	≤-24.54	PASS
11N20SISO	Ant1	2462	17000~19000	5.46	-45.01	≤-24.54	PASS
11N20SISO	Ant1	2462	19000~21000	5.46	-43.95	≤-24.54	PASS
11N20SISO	Ant1	2462	21000~23000	5.46	-42.45	≤-24.54	PASS
11N20SISO	Ant1	2462	23000~25000	5.46	-41.19	≤-24.54	PASS
11N40SISO	Ant1	2422	30~1000	2.23	-49.4	≤-27.77	PASS
11N40SISO	Ant1	2422	1000~3000	2.23	-49.79	≤-27.77	PASS
11N40SISO	Ant1	2422	3000~5000	2.23	-49.64	≤-27.77	PASS
11N40SISO	Ant1	2422	5000~7000	2.23	-51.11	≤-27.77	PASS
11N40SISO	Ant1	2422	7000~9000	2.23	-49.55	≤-27.77	PASS
11N40SISO	Ant1	2422	9000~11000	2.23	-51.09	≤-27.77	PASS
11N40SISO	Ant1	2422	11000~13000	2.23	-50.47	≤-27.77	PASS
11N40SISO	Ant1	2422	13000~15000	2.23	-46.7	≤-27.77	PASS
11N40SISO	Ant1	2422	15000~17000	2.23	-45.94	≤-27.77	PASS
11N40SISO	Ant1	2422	17000~19000	2.23	-45.26	≤-27.77	PASS
11N40SISO	Ant1	2422	19000~21000	2.23	-43.43	≤-27.77	PASS
11N40SISO	Ant1	2422	21000~23000	2.23	-44.04	≤-27.77	PASS
11N40SISO	Ant1	2422	23000~25000	2.23	-41.73	≤-27.77	PASS
11N40SISO	Ant1	2437	30~1000	2.68	-47.14	≤-27.32	PASS
11N40SISO	Ant1	2437	1000~3000	2.68	-49.56	≤-27.32	PASS
11N40SISO	Ant1	2437	3000~5000	2.68	-50.8	≤-27.32	PASS
11N40SISO	Ant1	2437	5000~7000	2.68	-50.03	≤-27.32	PASS
11N40SISO	Ant1	2437	7000~9000	2.68	-50.42	≤-27.32	PASS
11N40SISO	Ant1	2437	9000~11000	2.68	-51.21	≤-27.32	PASS
11N40SISO	Ant1	2437	11000~13000	2.68	-50.3	≤-27.32	PASS
11N40SISO	Ant1	2437	13000~15000	2.68	-46.64	≤-27.32	PASS
11N40SISO	Ant1	2437	15000~17000	2.68	-46.04	≤-27.32	PASS
11N40SISO	Ant1	2437	17000~19000	2.68	-45.11	≤-27.32	PASS
11N40SISO	Ant1	2437	19000~21000	2.68	-44.11	≤-27.32	PASS
11N40SISO	Ant1	2437	21000~23000	2.68	-43.72	≤-27.32	PASS
11N40SISO	Ant1	2437	23000~25000	2.68	-41.31	≤-27.32	PASS
11N40SISO	Ant1	2452	30~1000	3.04	-49.23	≤-26.96	PASS
11N40SISO	Ant1	2452	1000~3000	3.04	-48.81	≤-26.96	PASS
11N40SISO	Ant1	2452	3000~5000	3.04	-50.61	≤-26.96	PASS
11N40SISO	Ant1	2452	5000~7000	3.04	-51.4	≤-26.96	PASS
11N40SISO	Ant1	2452	7000~9000	3.04	-49.27	≤-26.96	PASS

11N40SISO	Ant1	2452	9000~11000	3.04	-51.8	≤-26.96	PASS
11N40SISO	Ant1	2452	11000~13000	3.04	-51.05	≤-26.96	PASS
11N40SISO	Ant1	2452	13000~15000	3.04	-47.65	≤-26.96	PASS
11N40SISO	Ant1	2452	15000~17000	3.04	-45.56	≤-26.96	PASS
11N40SISO	Ant1	2452	17000~19000	3.04	-44.94	≤-26.96	PASS
11N40SISO	Ant1	2452	19000~21000	3.04	-43.81	≤-26.96	PASS
11N40SISO	Ant1	2452	21000~23000	3.04	-43.54	≤-26.96	PASS
11N40SISO	Ant1	2452	23000~25000	3.04	-40.84	≤-26.96	PASS

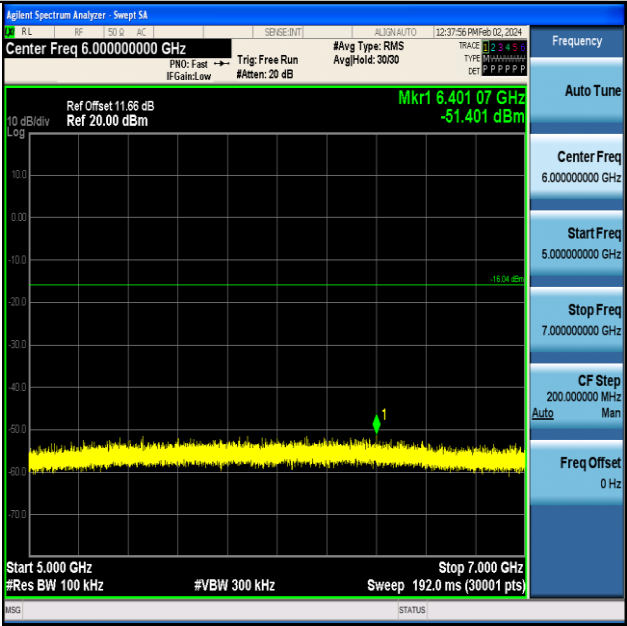
Note: We have evaluated each operating mode and SISO/MIMO mode, SISO mode Antenna1 is worse ,shown in the report is the worst SISO Antenna1 data.

Test Graphs

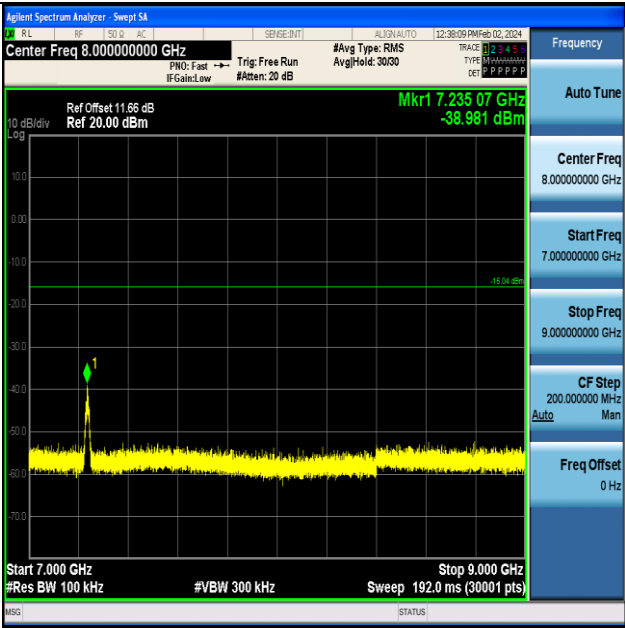




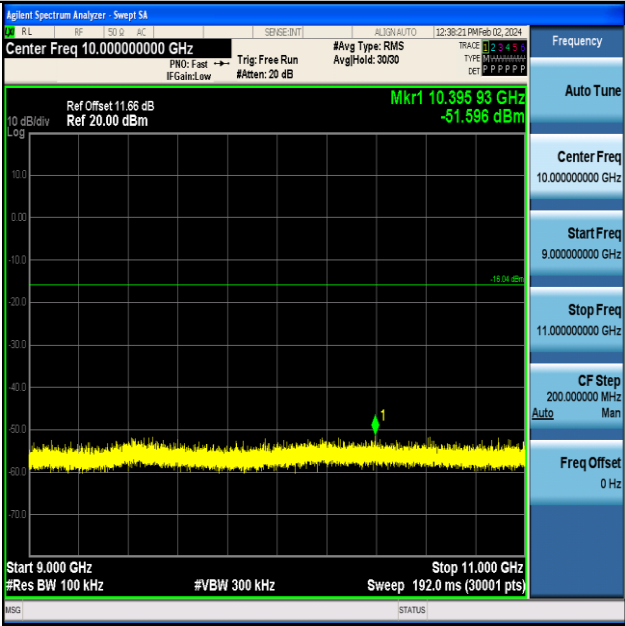
11B-Ant1-2412-3000~5000-PASS



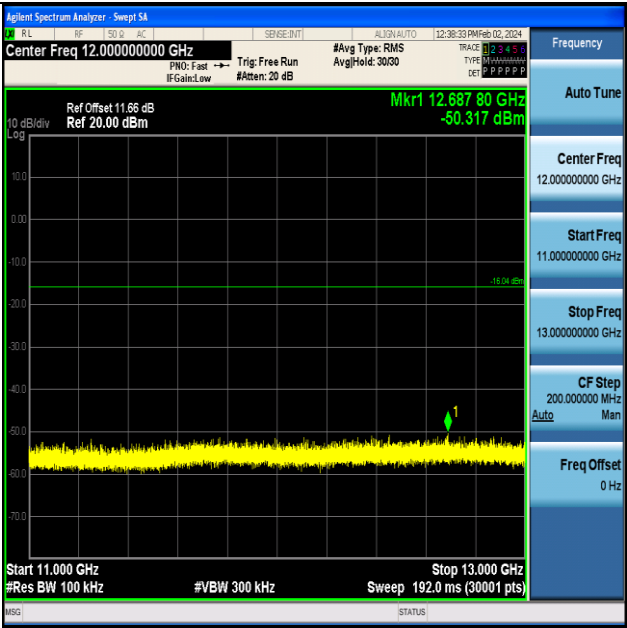
11B-Ant1-2412-5000~7000-PASS



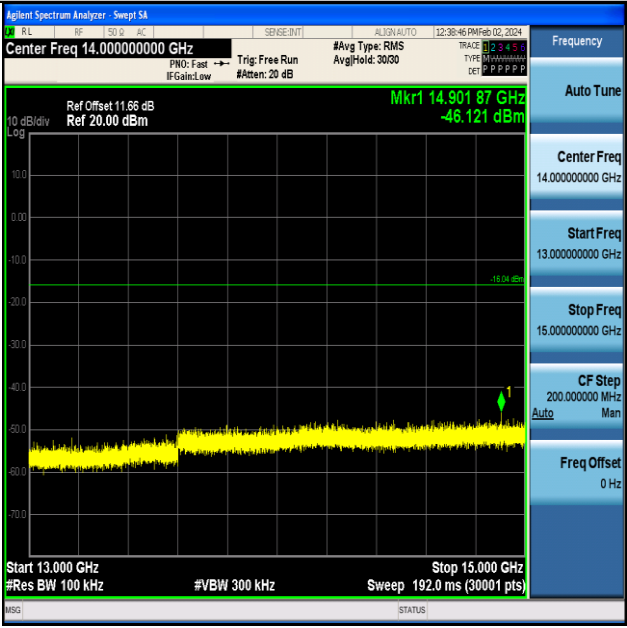
11B-Ant1-2412-7000~9000-PASS



11B-Ant1-2412-9000~11000-PASS



11B-Ant1-2412-11000~13000-PASS



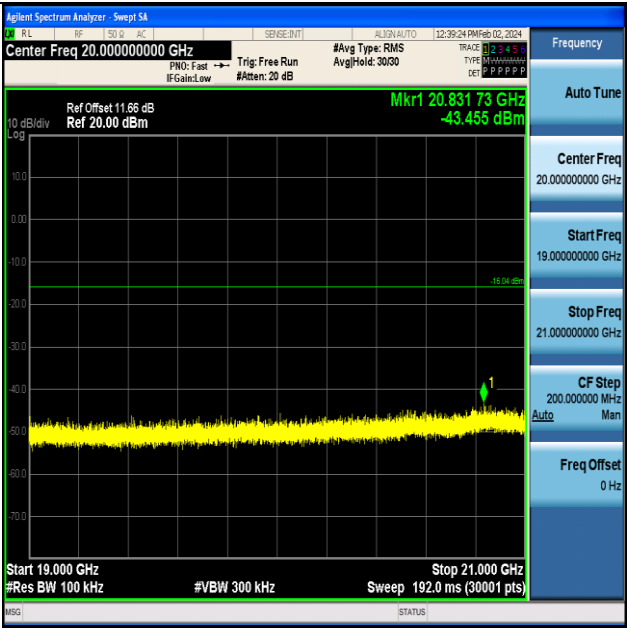
11B-Ant1-2412-13000~15000-PASS



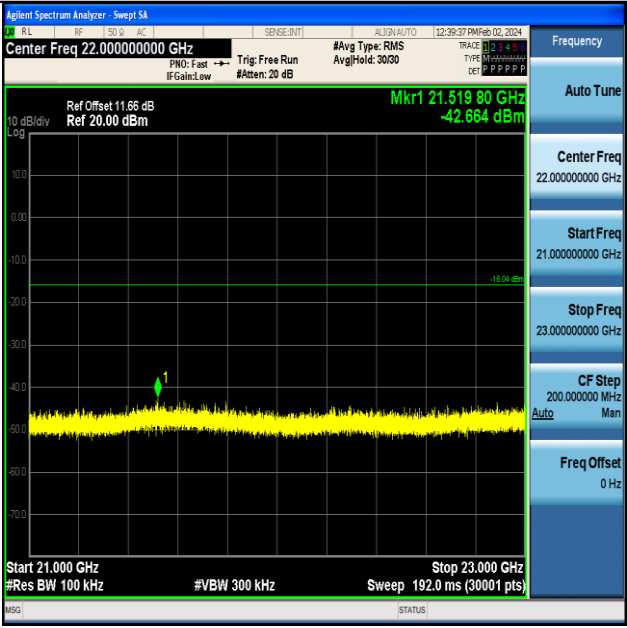
11B-Ant1-2412-15000~17000-PASS



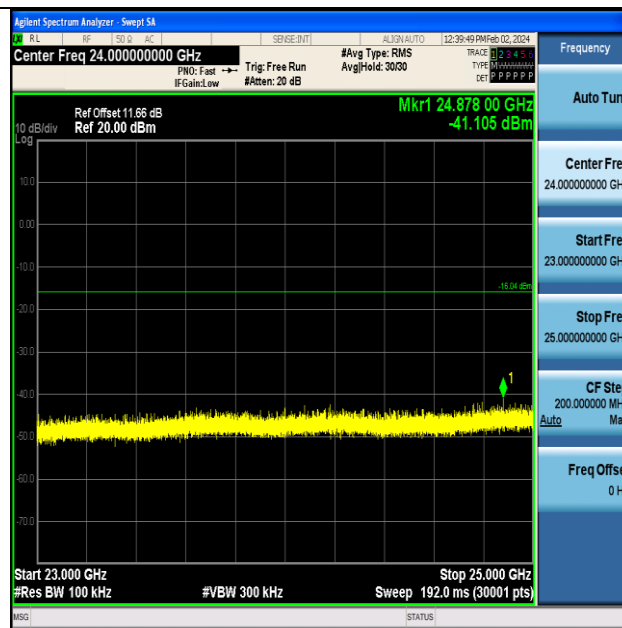
11B-Ant1-2412-17000~19000-PASS



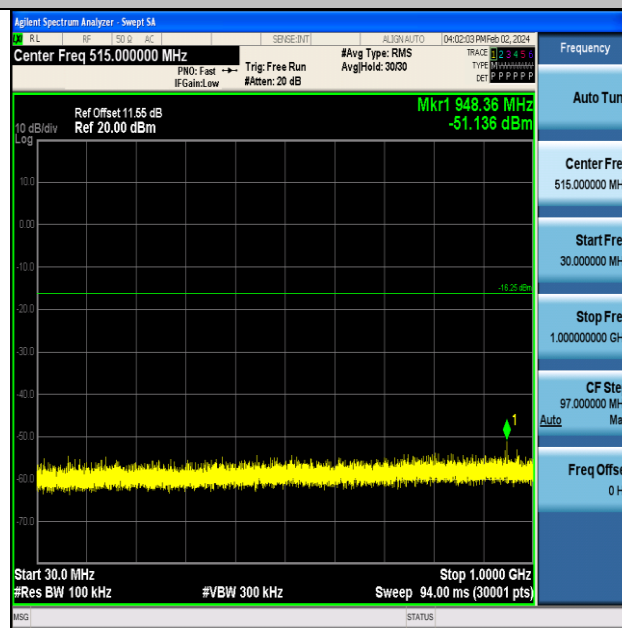
11B-Ant1-2412-19000-21000-PASS



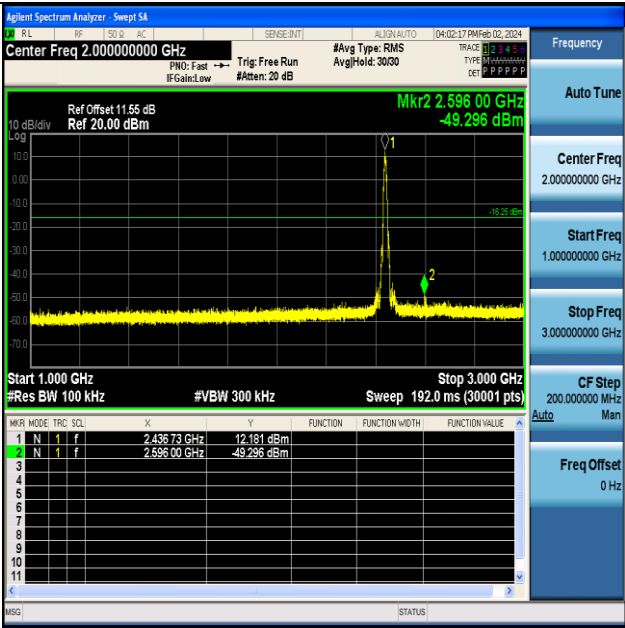
11B-Ant1-2412-21000-23000-PASS



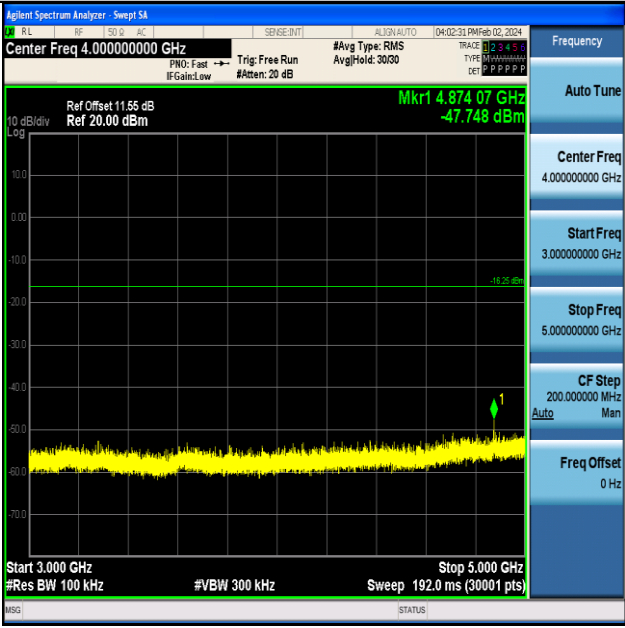
11B-Ant1-2412-23000~25000-PASS



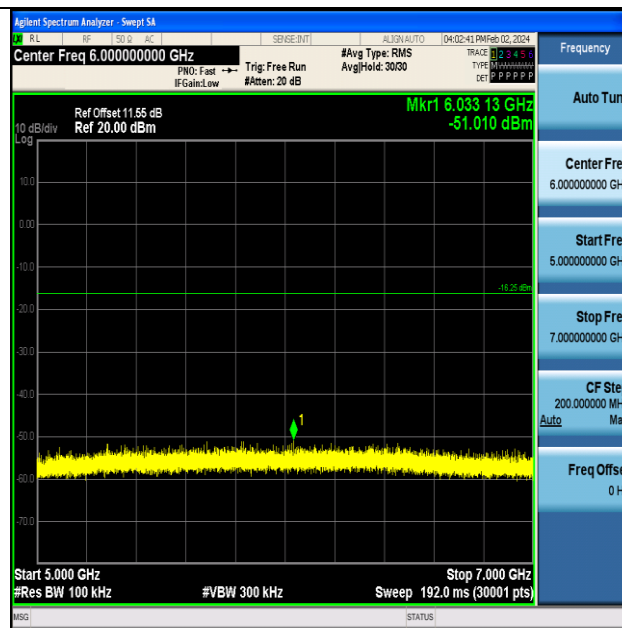
11B-Ant1-2437-30~1000-PASS



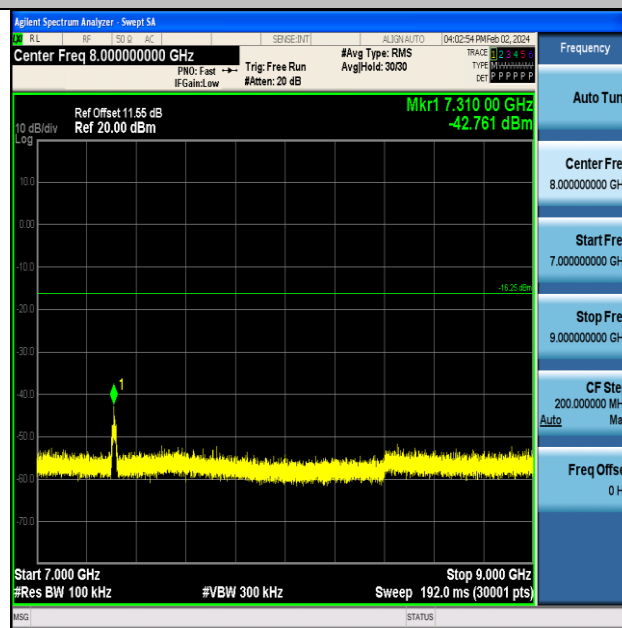
11B-Ant1-2437-1000-3000-PASS



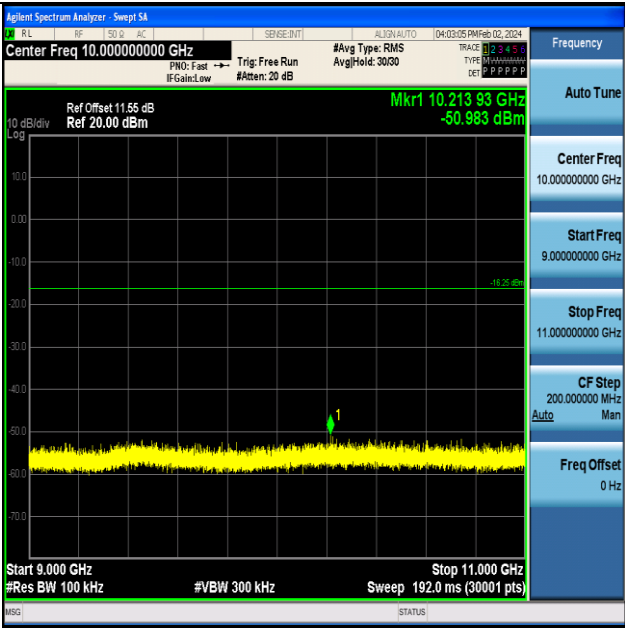
11B-Ant1-2437-3000-5000-PASS



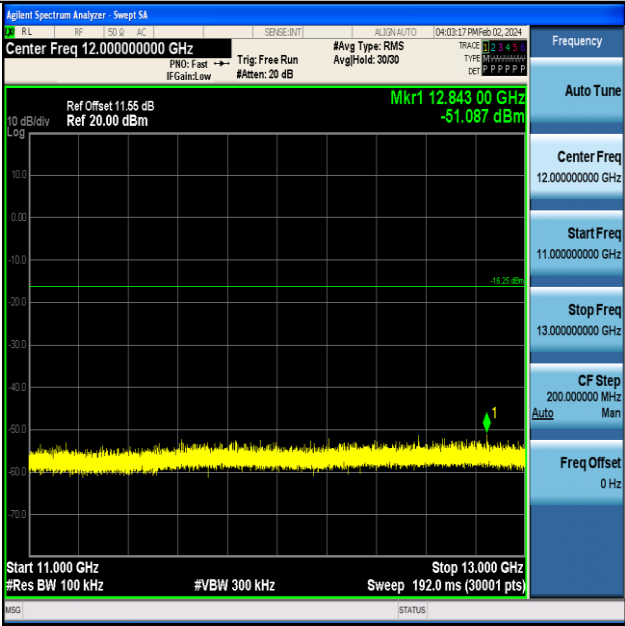
11B-Ant1-2437-5000~7000-PASS



11B-Ant1-2437-7000~9000-PASS



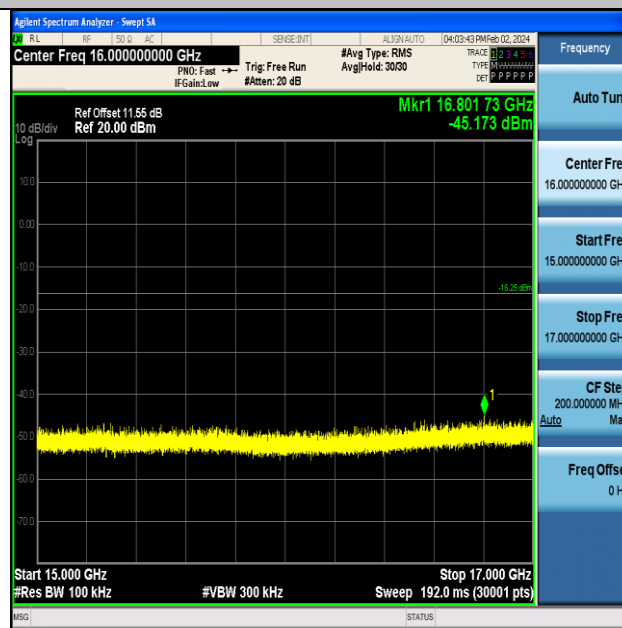
11B-Ant1-2437-9000~11000-PASS



11B-Ant1-2437-11000~13000-PASS



11B-Ant1-2437-13000~15000-PASS



11B-Ant1-2437-15000~17000-PASS