

RF TEST REPORT

FCC ID: 2AVFNLCE4121M

Test Report No.....: RF231214003-03-001

Product(s) Name.....: LTE Indoor CPE

Model(s).....: LCE4121M

Trade Mark.....: X-Link

Applicant.....: Leax Arkivator Telecom USA Inc.

Address.....: 833 E Arapaho Rd. Suite 203 Richardson, TX 75081

Receipt Date.....: 2023.12.20

Test Date.....: 2023.12.28~2024.01.22

Issued Date.....: 2024.01.23

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

Testing Laboratory.....: Shenzhen Haiyun Standard Technical Co., Ltd.

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Table of Contents

History of this test report.....	4
1. General Information	5
1.1 Applicant.....	5
1.2 Manufacturer.....	5
1.3 Basic Description of Equipment Under Test.....	5
1.4 Transmit Operating Mode	6
2. Summary of Test Results	7
2.1 Summary of Test Items	7
2.2 Application of Standard	7
2.3 Test Instruments.....	8
2.4 Test Mode	9
2.5 Test Condition	10
2.6 Duty Cycle of Test Signal	10
2.7 Measurement Uncertainty.....	14
2.8 Test Location.....	14
2.9 Description of Support Units	14
2.10 Deviation from Standards.....	14
3. Test Procedure And Results	15
3.1 AC Power Line Conducted Emission	15
3.1.1 Limit	15
3.1.2 Test Procedure	15
3.1.3 Test Setup.....	15
3.1.4 Test Result.....	16
3.2 Radiated Emission and Band Edge	18
3.2.1 Limit	18
3.2.2 Test Procedure	18
3.2.3 Test Setup.....	20
3.2.4 Test Result.....	21

3.3	Spurious Emission at Antenna Port.....	53
3.3.1	Limit	53
3.3.2	Test Procedure	53
3.3.3	Test Setup.....	54
3.3.4	The Result	55
3.4	6dB Bandwidth.....	125
3.4.1	Limit	125
3.4.2	Test Procedure	125
3.4.3	Test Setup.....	125
3.4.4	Test Result.....	126
3.5	Maximum conducted output power	164
3.5.1	Limit.....	164
3.5.2	Test Procedure	164
3.5.3	Test Setup.....	164
3.5.4	Table of Parameters of Text Software Setting.....	165
3.5.5	The Result	166
3.6	Power Spectral Density.....	168
3.6.1	Limit	168
3.6.2	Test Procedure	168
3.6.3	Test Setup.....	168
3.6.4	The Result	169

History of this test report

Original Report Issue Date: 2024.01.23

- ☒ No additional attachment
- ☐ Additional attachments were issued following record

Attachment No.	Issue Date	Description

1. General Information

1.1 Applicant

Leax Arkivator Telecom USA Inc.

833 E Arapaho Rd. Suite 203 Richardson, TX 75081

1.2 Manufacturer

Leax Arkivator Telecom USA Inc.

833 E Arapaho Rd. Suite 203 Richardson, TX 75081

1.3 Basic Description of Equipment Under Test

Product No.	POC231214003-S002	
Equipment Name	LTE Indoor CPE	
Model Name	LCE4121M	
Trade Mark	X-Link	
Power Supply	DC 12V from adapter	
Adapter Information	Model: RD1202000-C55-154MG Input: 100-240V~ 50/60Hz 1.0A Max Output: DC 12V2.0A, 24W	
Operate temperature	0°C-45°C	
EUT Stage	○ Product Unit	● Final-Sample
Operating Band and Conducted Output Power (Max power)	2400MHz ~ 2483.5MHz	●IEEE 802.11b: 15.18dBm
Product Type	IEEE 802.11b: WLAN (MIMO) IEEE 802.11g: WLAN(MIMO) IEEE 802.11n: WLAN(MIMO) IEEE 802.11ax: WLAN (MIMO)	
Nominal Bandwidth	20MHz / 40MHz	
Modulation	IEEE 802.11b: DSSS (DBPSK / DQPSK / CCK) IEEE 802.11g: OFDM (BPSK / QPSK / 16QAM / 64QAM) IEEE 802.11n: OFDM (BPSK / QPSK / 16QAM / 64QAM) IEEE 802.11ax: OFDMA (BPSK / QPSK / 16QAM / 64QAM)	
Data Rate (Mbps)	IEEE 802.11b mode: 1/2/5.5/11 IEEE 802.11g mode: 6/9/12/18/24/36/48/54 IEEE 802.11n mode: up to 300 IEEE 802.11ax mode: up to 573.5	
Antenna gain	Ant1: 3.10dBi, Ant2: 2.43dBi	
Antenna type	PCB Antenna	

Eleven channels are provided for 802.11b, 802.11g, 802.11n (20MHz), 802.11ax (20MHz):

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
2400MHz ~ 2483.5 MHz	01	2412MHz	07	2442MHz
	02	2417MHz	08	2447MHz
	03	2422MHz	09	2452MHz
	04	2427MHz	10	2457MHz
	05	2432MHz	11	2462MHz
	06	2437MHz	/	/

Seven channels are provided for 802.11n (40MHz), 802.11ax (40MHz):

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
2400MHz ~ 2483.5 MHz	03	2422 MHz	07	2442MHz
	04	2427MHz	08	2447MHz
	05	2432MHz	09	2452MHz
	06	2437MHz	/	/

Note: For 802.11ax mode only support full RU mode.

1.4 Transmit Operating Mode

Transmit Operating Mode						Transmit Multiple Antennas					
☐	Operating mode 1 (single antenna)					☐	1TX				
☒	Operating mode 2 (multiple antenna, no beam forming)					☒	2TX	☐	3TX	☐	4TX
☐	Operating mode 3 (multiple antenna, with beam forming)					☐	2TX	☐	3TX	☐	4TX
☒	802.11b	Operating mode	☐	1TX	☒	2TX	☐	3TX			
☒	802.11g	Operating mode	☐	1TX	☒	2TX	☐	3TX			
☒	802.11n(20MHz)	Operating mode	☐	1TX	☒	2TX	☐	3TX			
☒	802.11n(40MHz)	Operating mode	☐	1TX	☒	2TX	☐	3TX			
☒	802.11ax(20MHz)	Operating mode	☐	1TX	☒	2TX	☐	3TX			
☒	802.11ax(40MHz)	Operating mode	☐	1TX	☒	2TX	☐	3TX			

2. Summary of Test Results

2.1 Summary of Test Items

47 CFR FCC Part 15, Subpart C (Section 15.247)			
Test item	FCC Clause	Results	Remarks
AC Power Conducted Emission	15.207	Pass	Meet the requirement of the limit
Radiated Emission and Band Edge Measurement	15.205/15.209 /15.247(d)	Pass	Meet the requirement of the limit
Spurious Emission at Antenna Port	15.247(d)	Pass	Meet the requirement of the limit
6dB Bandwidth	15.247(a)(2)	Pass	Meet the requirement of the limit
Maximum Conducted Power	15.247(b)	Pass	Meet the requirement of the limit
Power Spectral Density	15.247(e)	Pass	Meet the requirement of the limit
Antenna Requirements	15.203	Compliance	Note
Note: The EUT has 2 PCB antennas arrangement which was permanently attached.			

2.2 Application of Standard

47 CFR FCC Part 15, Subpart C (Section 15.247)

KDB 558074 D01 15.247 Meas Guidance v05r02

KDB 662911 D01 Multiple Transmitter Output v02r01

ANSI C63.10:2013

2.3 Test Instruments

Radiated Emissions						
No.	Equipment	Manufacturer	Type No.	Serial No.	Cal. date (yyyy/mm/dd)	Cal. Due date (yyyy/mm/dd)
1	Test receiver	Rohde&Schwarz	ESU	100184	2023/5/3	2024/5/2
2	Horn Antenna	Schwarzbeck	BBHA 9120 D	9120D-127 3	2023/5/4	2024/5/3
3	Low frequency amplifier	Unknown	LNA 0920N	2014	2023/5/3	2024/5/2
4	High frequency amplifier	Schwarzbeck	BBV 9718	284	2023/5/3	2024/5/2
5	Loop Antenna	Schwarzbeck	FMZB1519 B	00029	2023/7/16	2024/7/15
6	Log periodic antenna	Schwarzbeck	VULB 9168	1151	2023/5/4	2024/5/3
7	Horn Antenna	Schwarzbeck	BBHA 9120 D	9120D-127 3	2023/5/4	2024/5/3
8	Horn Antenna	Schwarzbeck	BBHA 9170	9170#685	2023/7/16	2024/7/15
9	Temp&Humidity Recorder	Meideshi	JR900	/	2023/5/3	2024/5/2
10	RF cable(966 chamber)9kHz-1 GHz	Unknown	Unknown	Unknown	2023/5/3	2024/5/2
11	RF cable(966 chamber)1GHz- 18GHz	Unknown	Unknown	Unknown	2023/5/3	2024/5/2
12	RF cable(966 chamber)18GHz -40GHz	Unknown	Unknown	Unknown	2023/5/3	2024/5/2
13	Test software	Farad Technology Co., Ltd	EZ-EMC Ver.TW-03A2			
Conducted Emission						
1	Test receiver	Rohde&Schwarz	ESCI	100718	2023/5/3	2024/5/2
2	LISN	Rohde&Schwarz	ENV216	100075	2023/5/3	2024/5/2
3	Pulse limiter	Rohde&Schwarz	ESH3-Z2	102299	2023/5/3	2024/5/2
4	RF cable (9kHz-30MHz)	Unknown	Unknown	Unknown	2023/5/3	2024/5/2
5	Test software	Farad Technology Co., Ltd	EZ-EMC Ver.TW-03A2			
RF Conducted Emission						
1	MXA Signal Analyzer	Keysight	N9021B	MY600801 69	2023/4/23	2024/4/22
2	RF Control Unit	dsusoft	JS0806-2	21G806044 9	2023/4/23	2024/4/22
3	power supply unit	dsusoft	JS0806-4A DC	N/A	2023/4/23	2024/4/22
4	VXG Signal Generator	Keysight	M9384B	MY612707 87	2023/4/23	2024/4/22
5	EXG Analog Signal Generator	Keysight	N5173B	MY591012 82	2023/4/23	2024/4/22
6	Test software	dsusoft	JS1120-3 Ver.3.2.22.0			

2.4 Test Mode

Test Items	Mode	Data Rate	Channel
AC Power Conducted Emission	802.11G-CDD	6Mbps	06
Radiated Emission and Band Edge Measurement	802.11B-CDD	1Mbps	01/06/11
	802.11G-CDD	6Mbps	01/06/11
	802.11N20MIMO	MCS0	01/06/11
	802.11N40MIMO	MCS0	03/06/09
	802.11AX20MIMO	MCS0	01/06/11
	802.11AX40MIMO	MCS0	03/06/09
Spurious Emission at Antenna Port	802.11B-CDD	1Mbps	01/06/11
	802.11G-CDD	6Mbps	01/06/11
	802.11N20MIMO	MCS0	01/06/11
	802.11N40MIMO	MCS0	03/06/09
	802.11AX20MIMO	MCS0	01/06/11
	802.11AX40MIMO	MCS0	03/06/09
6dB Bandwidth	802.11B-CDD	1Mbps	01/06/11
	802.11G-CDD	6Mbps	01/06/11
	802.11N20MIMO	MCS0	01/06/11
	802.11N40MIMO	MCS0	03/06/09
	802.11AX20MIMO	MCS0	01/06/11
	802.11AX40MIMO	MCS0	03/06/09
Maximum Conducted Power	802.11B-CDD	1Mbps	01/06/11
	802.11G-CDD	6Mbps	01/06/11
	802.11N20MIMO	MCS0	01/06/11
	802.11N40MIMO	MCS0	03/06/09
	802.11AX20MIMO	MCS0	01/06/11
	802.11AX40MIMO	MCS0	03/06/09
Power Spectral Density	802.11B-CDD	1Mbps	01/06/11
	802.11G-CDD	6Mbps	01/06/11
	802.11N20MIMO	MCS0	01/06/11
	802.11N40MIMO	MCS0	03/06/09
	802.11AX20MIMO	MCS0	01/06/11
	802.11AX40MIMO	MCS0	03/06/09

2.5 Test Condition

Applicable to	Environmental conditions	Input Power	Tested by
AC Power Conducted Emission	24.3°C, 51% RH	AC 120V/60Hz	Albert Fan
Radiated Emission and Band Edge Measurement	24.2°C, 55% RH	AC 120V/60Hz	Albert Fan
Spurious Emission at Antenna Port	24.2°C, 52% RH	DC 12V	Henry Huang
6dB Bandwidth	24.2°C, 52% RH	DC 12V	Henry Huang
Maximum Conducted Power	24.2°C, 52% RH	DC 12V	Henry Huang
Power Spectral Density	24.2°C, 52% RH	DC 12V	Henry Huang

Note: Adapter supply voltage AC 120V/60Hz.

The applicant declare the operating environment of EUT as below:

Normal conditions: 12V DC, 0~45°C

2.6 Duty Cycle of Test Signal

If duty cycle is $\geq 98\%$, duty factor is not required.

If duty cycle is $< 98\%$, duty factor shall be considered.

All the duty factor of other test mode have been considered.

Test Mode	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle[%]
11B-CDD	2412	0.69	1.09	63.30
11G-CDD	2412	1.98	2.09	94.74
11N20MIMO	2412	5.43	5.89	92.19
11N40MIMO	2422	5.43	5.91	91.88
11AX20MIMO	2412	5.45	5.97	91.29
11AX40MIMO	2422	5.44	6.00	90.67

11B-CDD_2412



11G-CDD_2412



11N20MIMO_2412



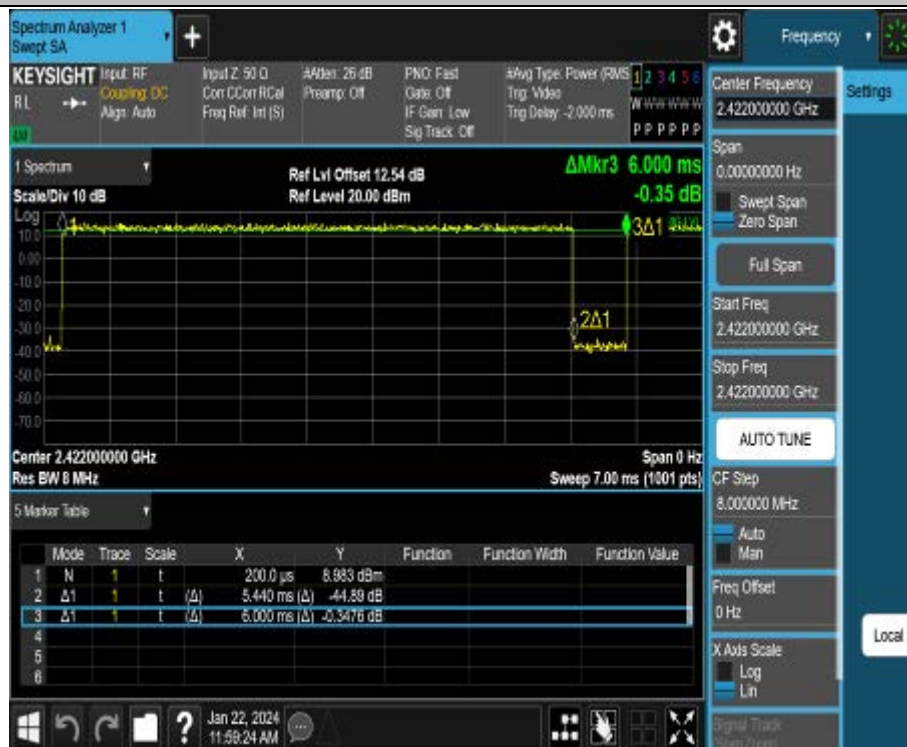
11N40MIMO_2422



11AX20MIMO_2412



11AX40MIMO_2422



2.7 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT.

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

Uncertainty	
Parameter	Uncertainty
Occupied Channel Bandwidth	$\pm 143.88\text{kHz}$
Power Spectral Density	$\pm 0.743\text{dB}$
Conducted Spurious Emission	$\pm 1.328\text{dB}$
RF power conducted	$\pm 0.384\text{dB}$
Conducted emission(9kHz~30MHz) AC main	$\pm 2.72\text{dB}$
Radiated emission(9kHz~30MHz)	$\pm 2.66\text{dB}$
Radiated emission (30MHz~1GHz)	$\pm 4.62\text{dB}$
Radiated emission (1GHz~18GHz)	$\pm 4.86\text{dB}$
Radiated emission (18GHz~40GHz)	$\pm 3.80\text{dB}$

2.8 Test Location

Company:	Shenzhen Haiyun Standard Technical CO., Ltd.
Address:	No. 110-113, 115, 116, Block B, Jinyuan Business Building, Bao'an District, Shenzhen, China
CNAS Registration Number:	CNAS L18252
CAB identifier	CN0145
A2LA Certificate Number	6823.01
Telephone:	0755-26024411

2.9 Description of Support Units

None

2.10 Deviation from Standards

None

3. Test Procedure And Results

3.1 AC Power Line Conducted Emission

3.1.1 Limit

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μ V)	Average Level dB(μ V)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

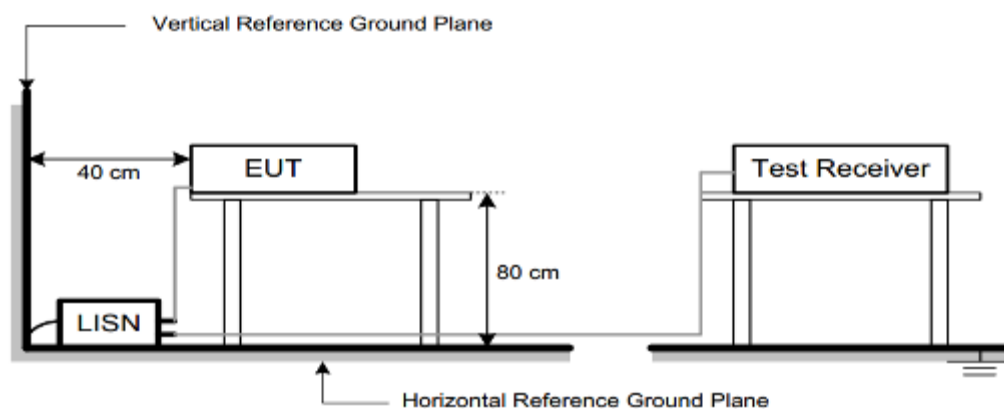
3.1.2 Test Procedure

Test Method	
☒ Conducted Measurement	☐ Radiated Measurement
Test Channels	
☐ Lowest, Middle and Highest Channel	☐ Lowest and Highest Channel
Environmental conditions	
☒ Normal	☐ Normal and Extreme

Note: ● : Test ○ : No Test

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

3.1.3 Test Setup



3.1.4 Test Result

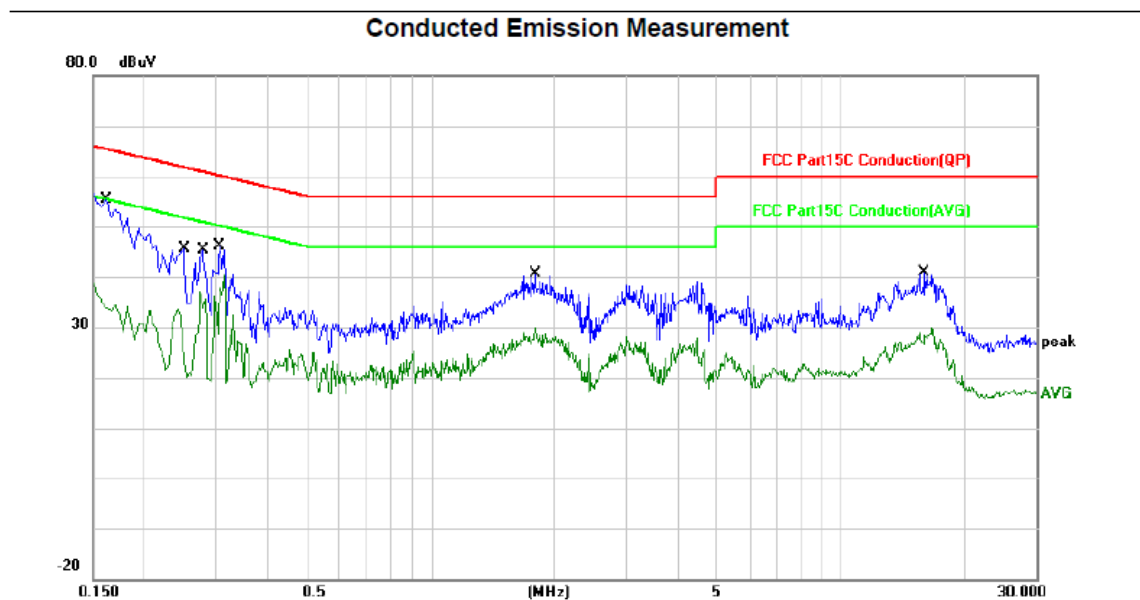
Note:

1. Correct Factor = LISN Factor + Cable Loss + Pulse Limiter Factor, the value was added to Original Receiver Reading by the software automatically.
2. Measurement = Reading + Correct Factor.
3. Over = Measurement – Limit

We only recorded the data of the worst mode. Please see the following:

150kHz~30MHz	Worst Case Operating Mode: 11B-CDD Channel 6
--------------	--

Line



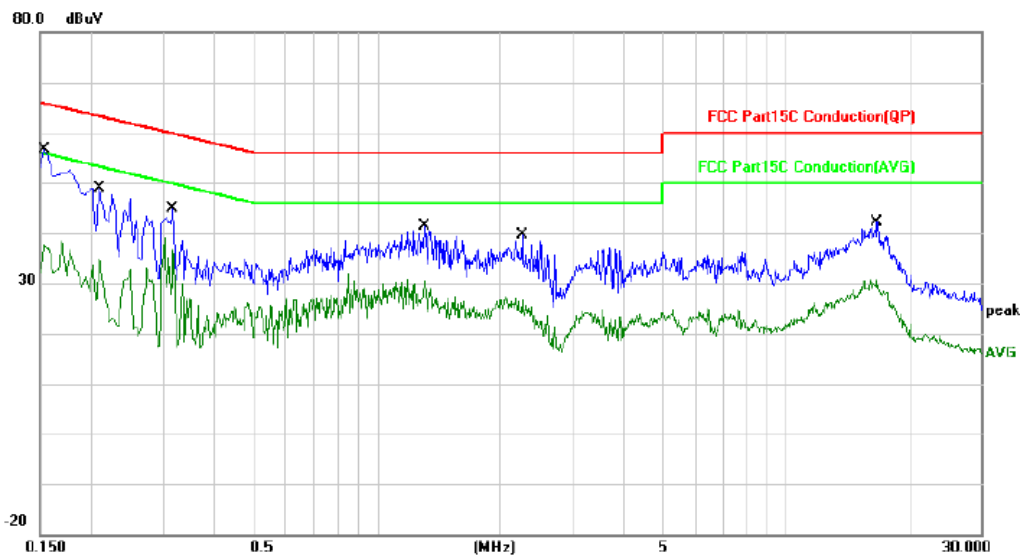
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1620	31.12	20.09	51.21	65.36	-14.15	QP	
2		0.1620	12.13	20.09	32.22	55.36	-23.14	AVG	
3		0.2500	18.61	19.99	38.60	61.76	-23.16	QP	
4		0.2500	6.41	19.99	26.40	51.76	-25.36	AVG	
5		0.2780	20.91	20.06	40.97	60.88	-19.91	QP	
6		0.2780	13.19	20.06	33.25	50.88	-17.63	AVG	
7		0.3060	22.52	20.10	42.62	60.08	-17.46	QP	
8		0.3060	15.82	20.10	35.92	50.08	-14.16	AVG	
9		1.7940	13.89	20.10	33.99	56.00	-22.01	QP	
10		1.7940	6.34	20.10	26.44	46.00	-19.56	AVG	
11		16.0380	12.34	20.05	32.39	60.00	-27.61	QP	
12		16.0380	5.63	20.05	25.68	50.00	-24.32	AVG	

150kHz~30MHz

Worst Case Operating Mode: 11B-CDD Channel 6

Neutral

Conducted Emission Measurement



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1540	33.46	20.29	53.75	65.78	-12.03	QP	
2		0.1540	14.98	20.29	35.27	55.78	-20.51	AVG	
3		0.2100	24.58	20.29	44.87	63.21	-18.34	QP	
4		0.2100	10.40	20.29	30.69	53.21	-22.52	AVG	
5		0.3180	20.59	20.01	40.60	59.76	-19.16	QP	
6		0.3180	8.25	20.01	28.26	49.76	-21.50	AVG	
7		1.3060	14.25	20.30	34.55	56.00	-21.45	QP	
8		1.3060	5.57	20.30	25.87	46.00	-20.13	AVG	
9		2.2700	11.60	20.28	31.88	56.00	-24.12	QP	
10		2.2700	3.83	20.28	24.11	46.00	-21.89	AVG	
11		16.7180	14.41	20.15	34.56	60.00	-25.44	QP	
12		16.7180	7.72	20.15	27.87	50.00	-22.13	AVG	

3.2 Radiated Emission and Band Edge

3.2.1 Limit

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

Frequency (MHz)	Distance Meters(m)	Field Strength Limit	
		$\mu\text{V/m}$	$\text{dB}(\mu\text{V})/\text{m}$
0.009 – 0.49	300	$2400/F(\text{kHz})$	-
0.490 – 1.705	30	$24000/F(\text{kHz})$	-
1.705 – 30	30	30	-
30~88	3	100	40.0
88~216	3	150	43.5
216~960	3	200	46.0
960~1000	3	500	54.0
Above 1000	3	74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)	

- Note: (1) Emission level $\text{dB}\mu\text{V} = 20 \log$ Emission level $\mu\text{V/m}$
 (2) The smaller limit shall apply at the cross point between two frequency bands.
 (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

3.2.2 Test Procedure

Test Method	
☐ Conducted Measurement	☒ Radiated Measurement
Test Channels	
☒ Lowest, Middle and Highest Channel	☐ Lowest and Highest Channel
Environmental conditions	
☒ Normal	☐ Normal and Extreme
Note: ☒ : Test ☐ : No Test	

- a) The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- b) The measuring distance of 3 m or 1.5m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c) The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of

the antenna are set to make the measurement.

- d) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e) The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
- f) The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g) All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1 GHz)
- h) All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1 GHz)
- i) For the actual test configuration, please refer to the related Item -EUT Test Photos.

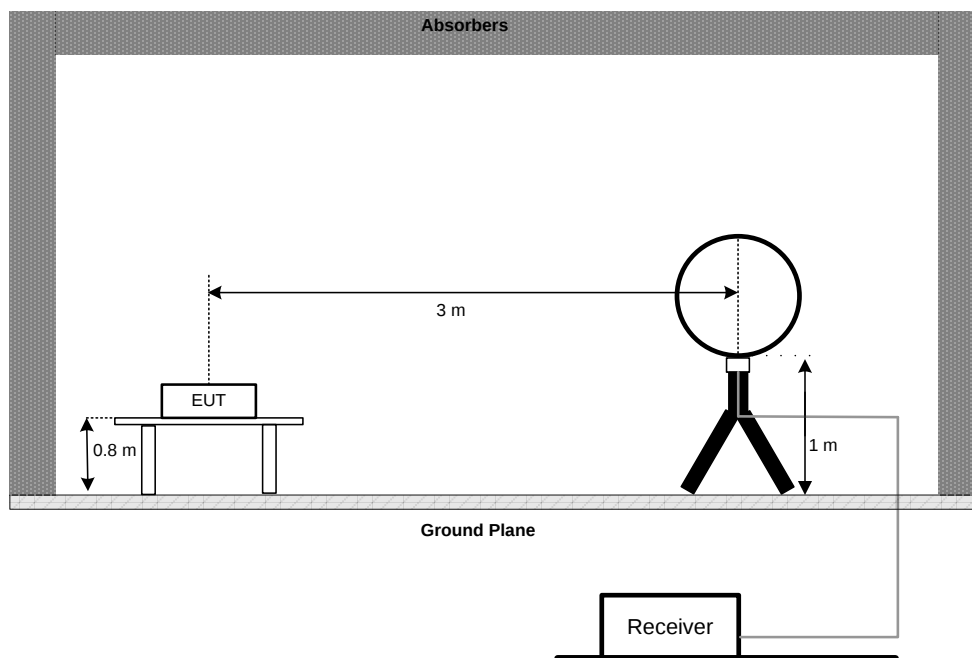
The following table is the setting of the receiver:

Spectrum Parameters	Setting
Start ~ Stop Frequency	9 kHz~150 kHz for RBW 200 Hz
Start ~ Stop Frequency	0.15 MHz~30 MHz for RBW 9 kHz
Start ~ Stop Frequency	30 MHz~1000 MHz for RBW 100 kHz

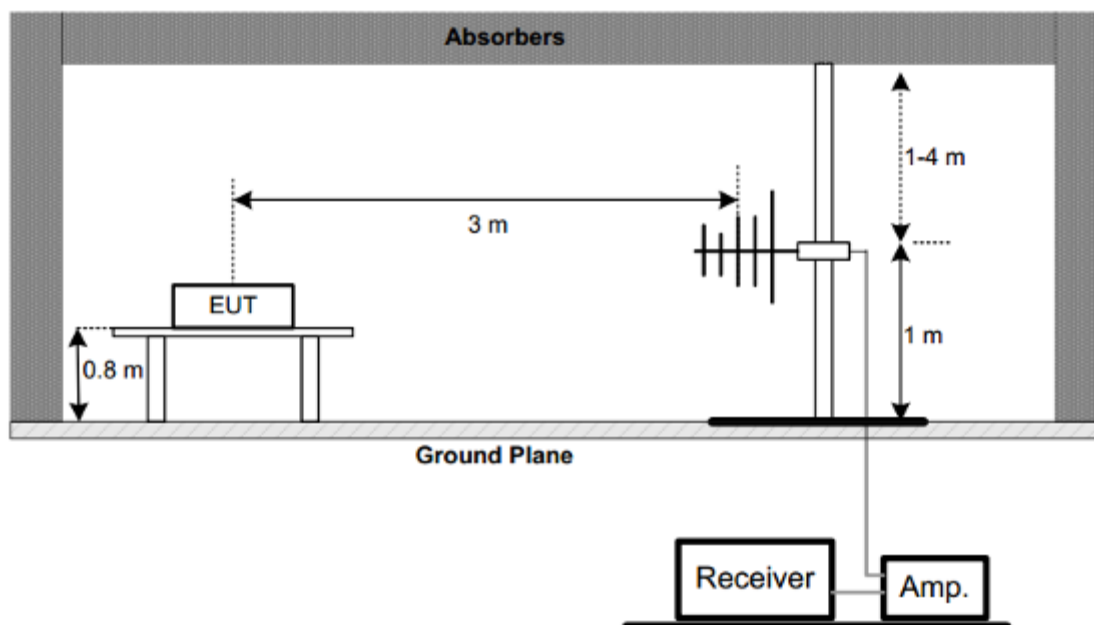
Spectrum Parameters	Setting
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1 MHz / 3 MHz for PK value 1 MHz / 1/T Hz for AVG value

3.2.3 Test Setup

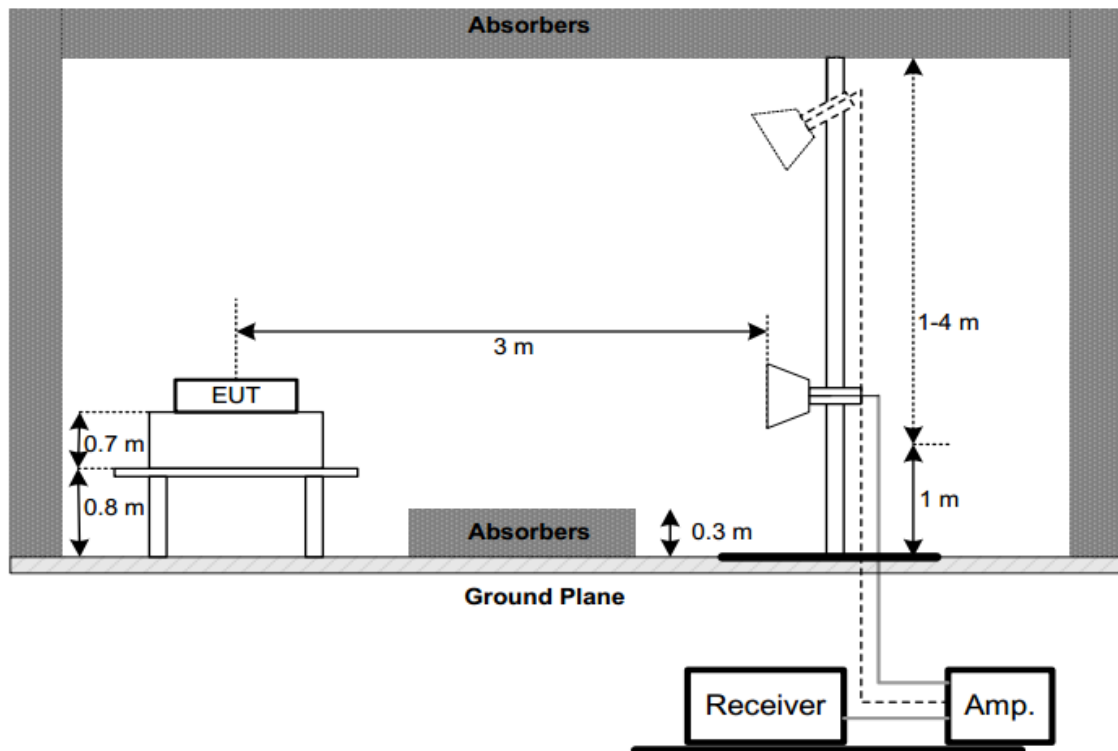
(A) Radiated Emission Test Set-Up Frequency Below 30MHz



(B) Radiated Emission Test Set-Up Frequency 30 MHz-1000 MHz



(C) Radiated Emission Test Set-Up Frequency Above 1 GHz



3.2.4 Test Result

1) Radiated emission: 9kHz-30MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not recorded in this report.

2) Radiated emission: 30MHz-1G

Note:

1. Measurement = Reading + Correct Factor.
2. Over = Measurement – Limit

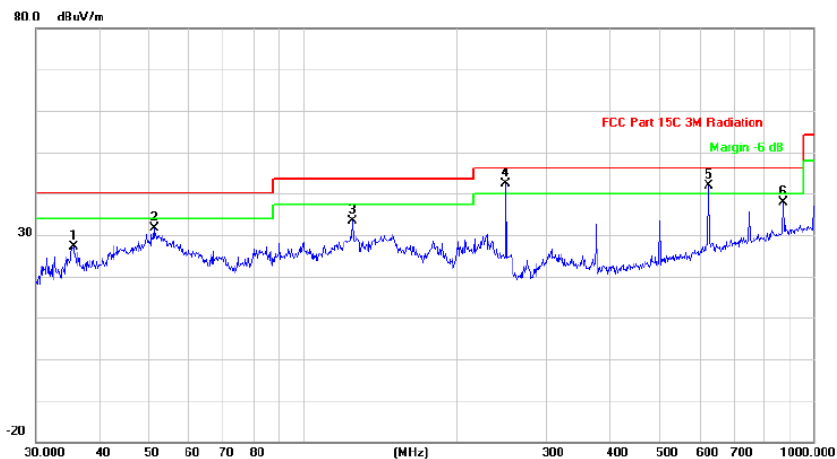
We only recorded the data of the worst mode. Please see the following:

Below 1G (30MHz~1GHz)

Worst Case Operating Mode: 11B-CDD Channel 6

VERTICAL

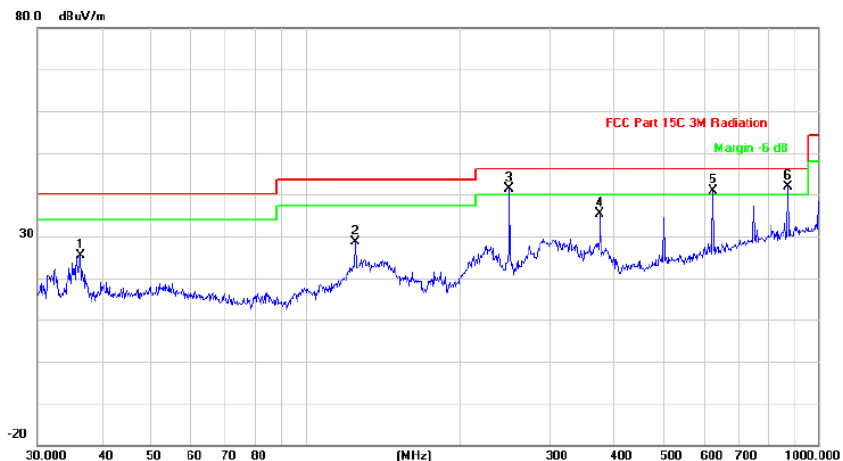
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		35.4992	37.30	-10.29	27.01	40.00	-12.99	peak		
2		51.1210	40.75	-9.24	31.51	40.00	-8.49	peak		
3		125.0065	43.13	-9.83	33.30	43.50	-10.20	peak		
4	*	250.3011	53.23	-10.76	42.47	46.00	-3.53	peak		
5	!	625.0780	42.82	-0.93	41.89	46.00	-4.11	peak		
6		875.2470	34.73	3.26	37.99	46.00	-8.01	peak		

HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		36.3813	35.65	-10.19	25.46	40.00	-14.54	peak		
2		125.0065	38.46	-9.83	28.63	43.50	-14.87	peak		
3	!	250.3010	52.23	-10.76	41.47	46.00	-4.53	peak		
4		375.9384	42.27	-6.83	35.44	46.00	-10.56	peak		
5	!	625.0780	41.80	-0.93	40.87	46.00	-5.13	peak		
6	*	875.2470	38.66	3.26	41.92	46.00	-4.08	peak		

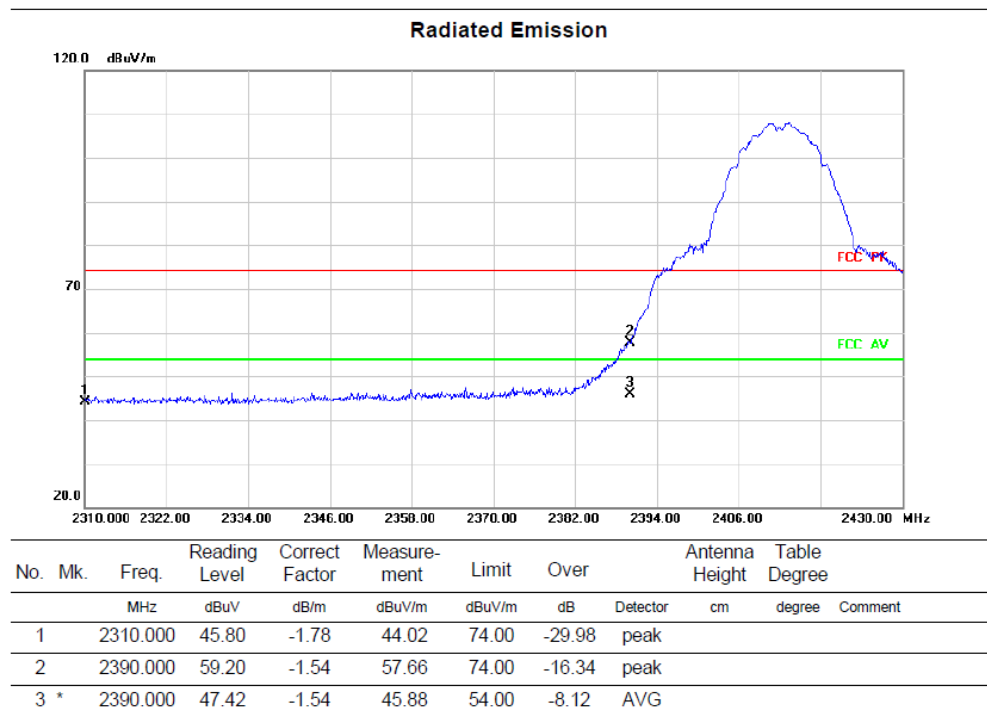
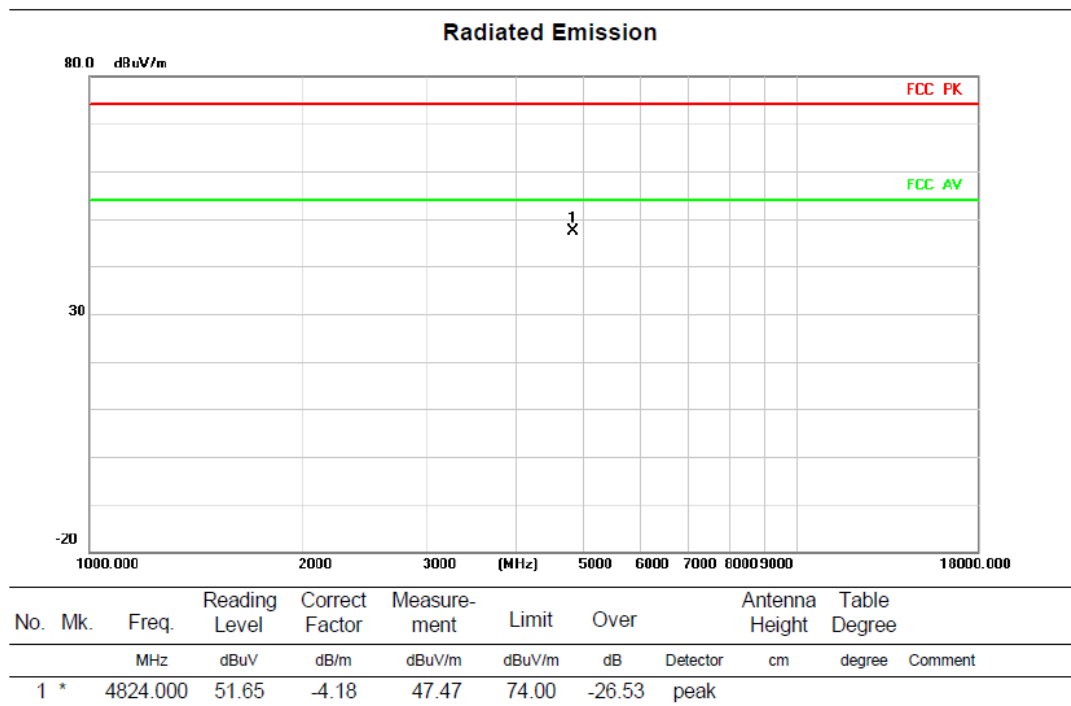
3) Radiated emission: Above 1G

Note:

1. Measurement = Reading + Correct Factor.
2. Over = Measurement – Limit

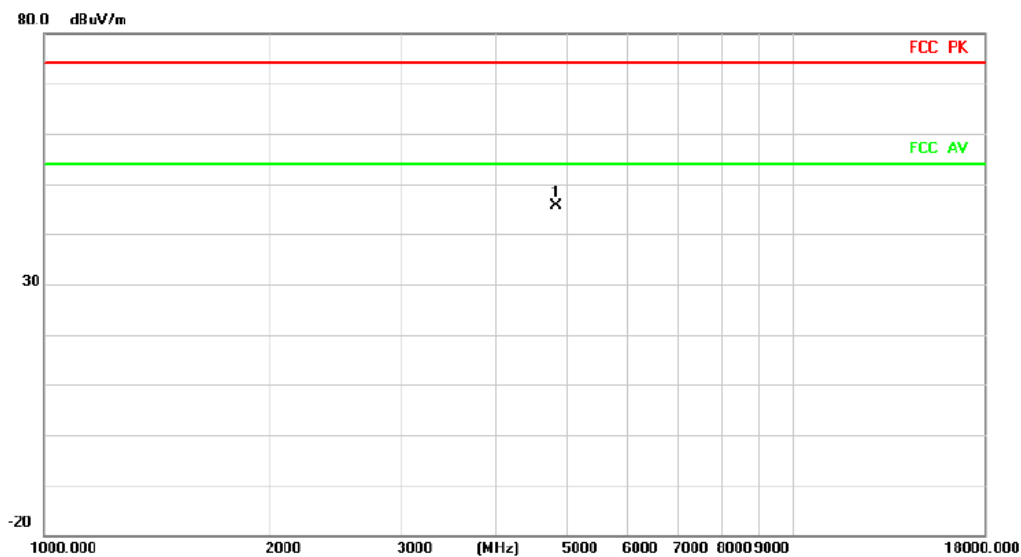
Above 1G (1GHz~18GHz)	Test mode:11B-CDD	Test Channel:1
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VERTICAL



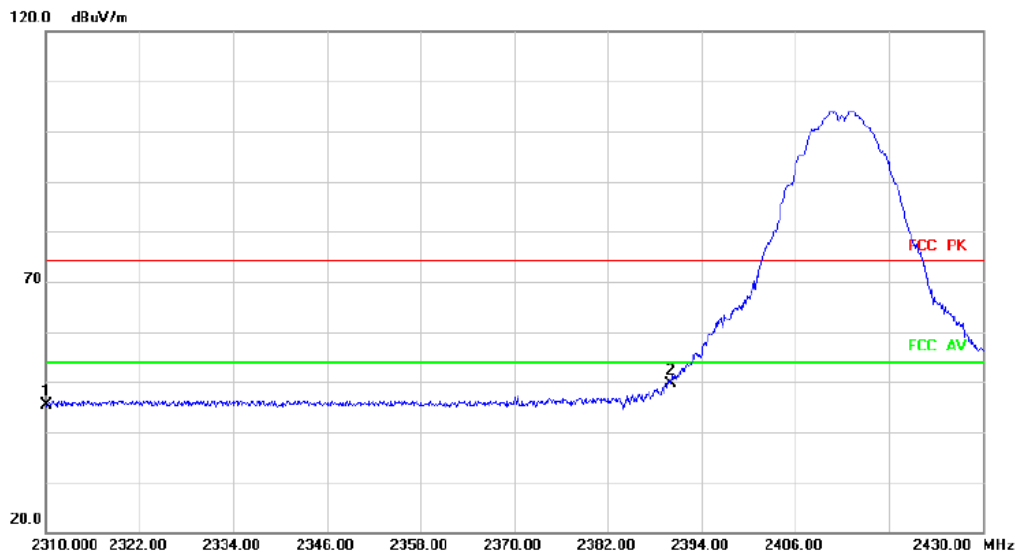
HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	4824.000	49.81	-4.18	45.63	74.00	-28.37	peak		

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		2310.000	47.17	-1.78	45.39	74.00	-28.61	peak		
2	*	2390.000	51.14	-1.54	49.60	74.00	-24.40	peak		

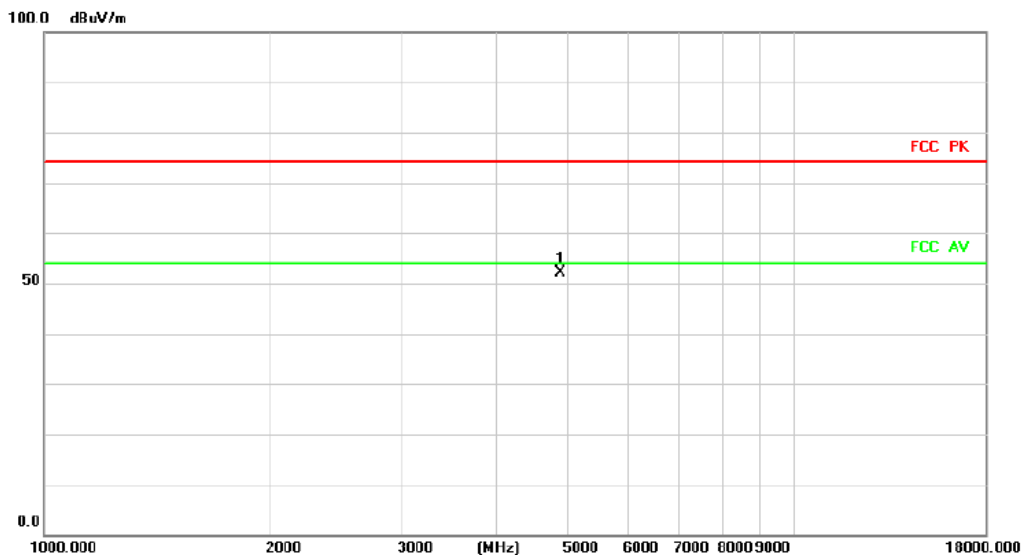
Above 1G (1GHz~18GHz)

Test mode:11B-CDD

Test Channel:6

VERTICAL

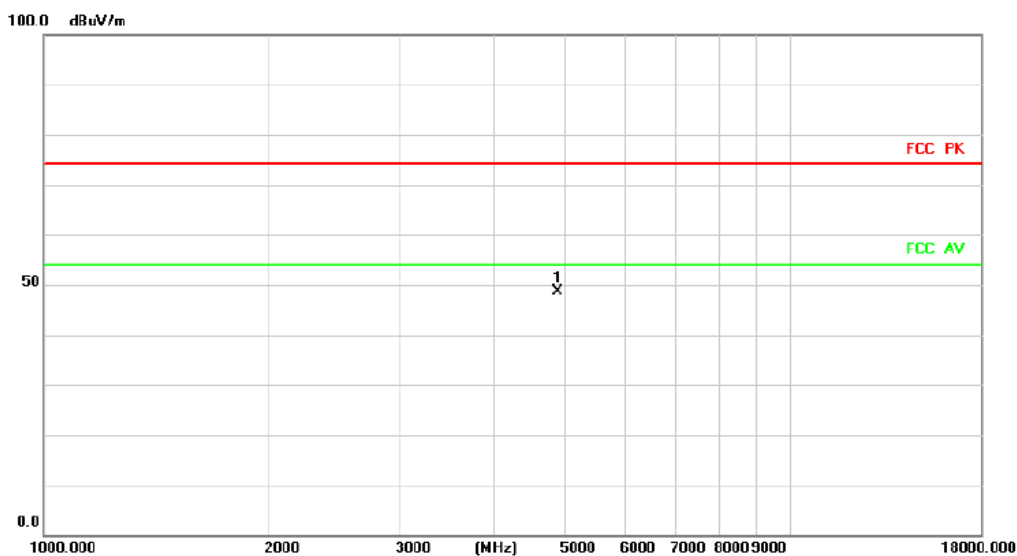
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	4874.000	53.80	-1.59	52.21	74.00	-21.79	peak		Comment

HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	4874.000	50.14	-1.59	48.55	74.00	-25.45	peak		Comment

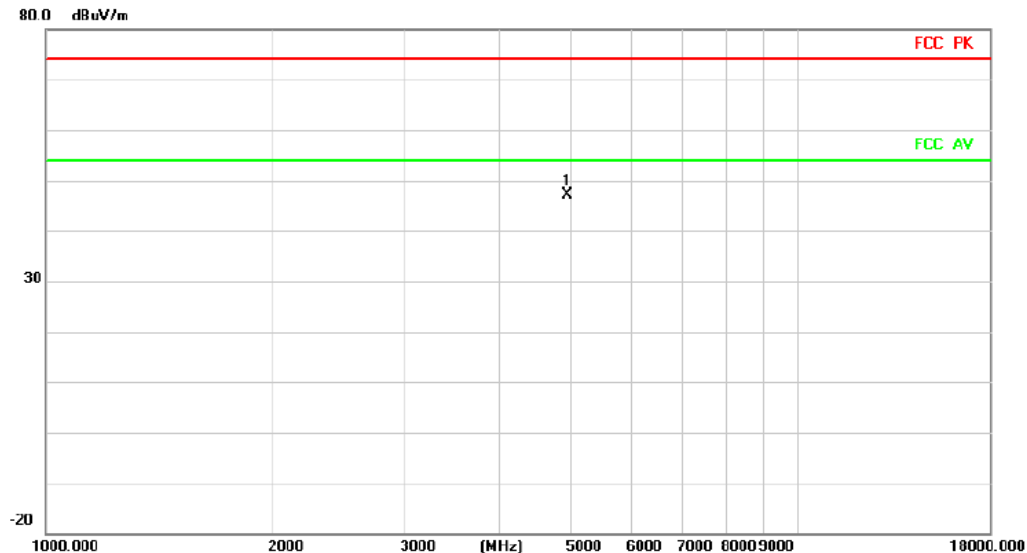
Above 1G (1GHz~18GHz)

Test mode: 11B-CDD

Test Channel:11

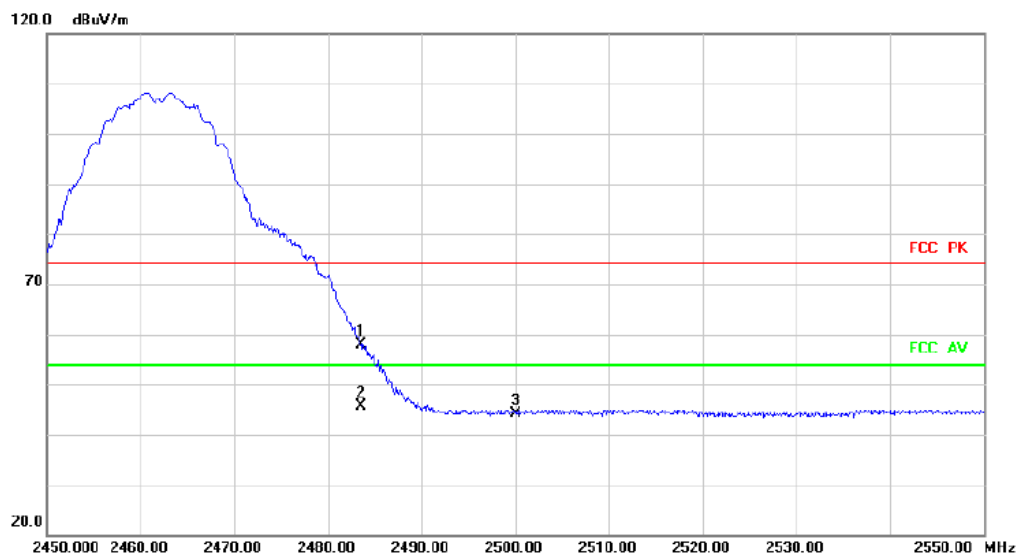
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	4924.000	52.08	-4.90	47.18	74.00	-26.82	peak		

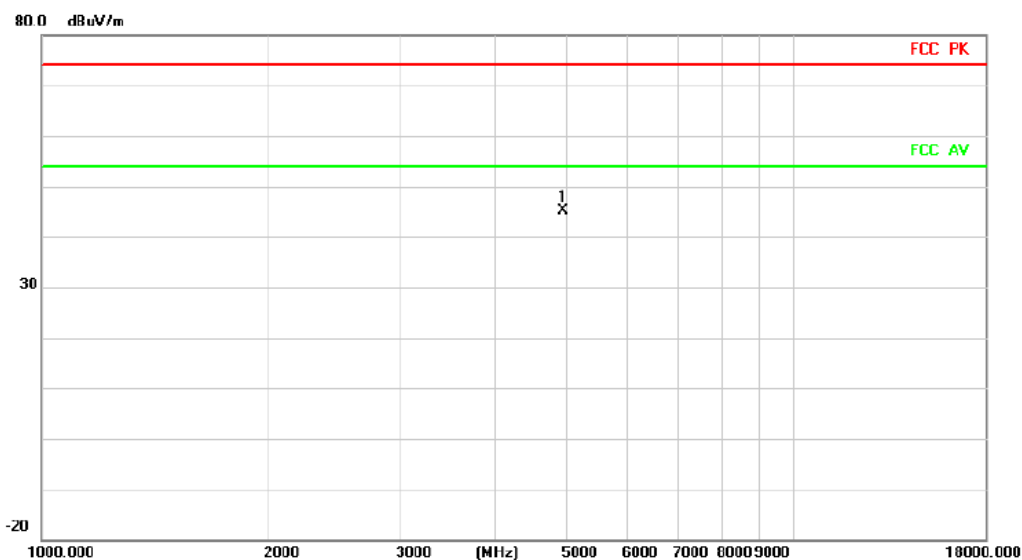
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		2483.500	58.73	-0.90	57.83	74.00	-16.17	peak		
2	*	2483.500	46.57	-0.90	45.67	54.00	-8.33	AVG		
3		2500.000	44.78	-0.74	44.04	74.00	-29.96	peak		

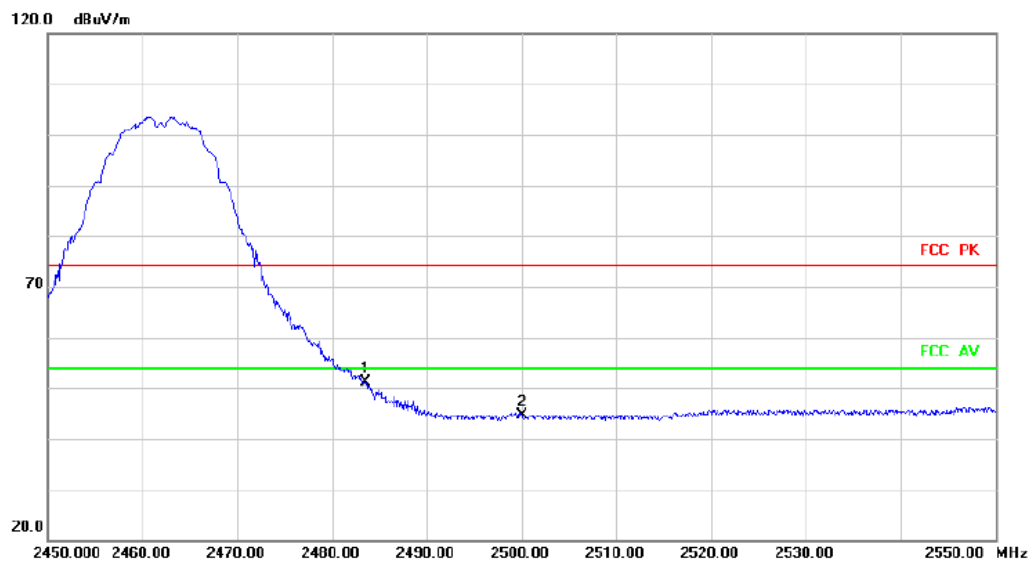
HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	4924.000	50.14	-4.90	45.24	74.00	-28.76	peak		

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	2483.500	51.98	-0.90	51.08	74.00	-22.92	peak		
2		2500.000	45.46	-0.74	44.72	74.00	-29.28	peak		

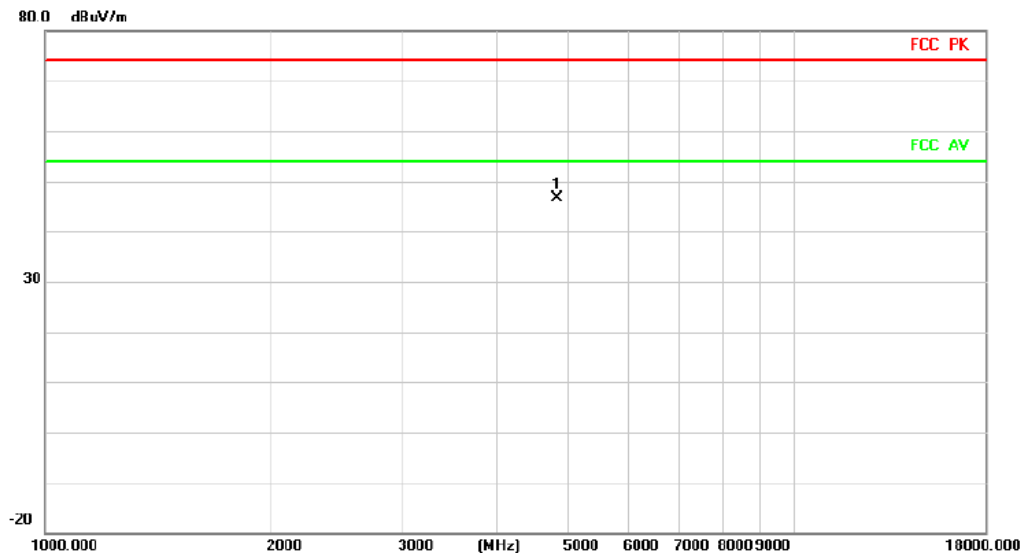
Above 1G (1GHz~18GHz)

Test mode:11G-CDD

Test Channel:1

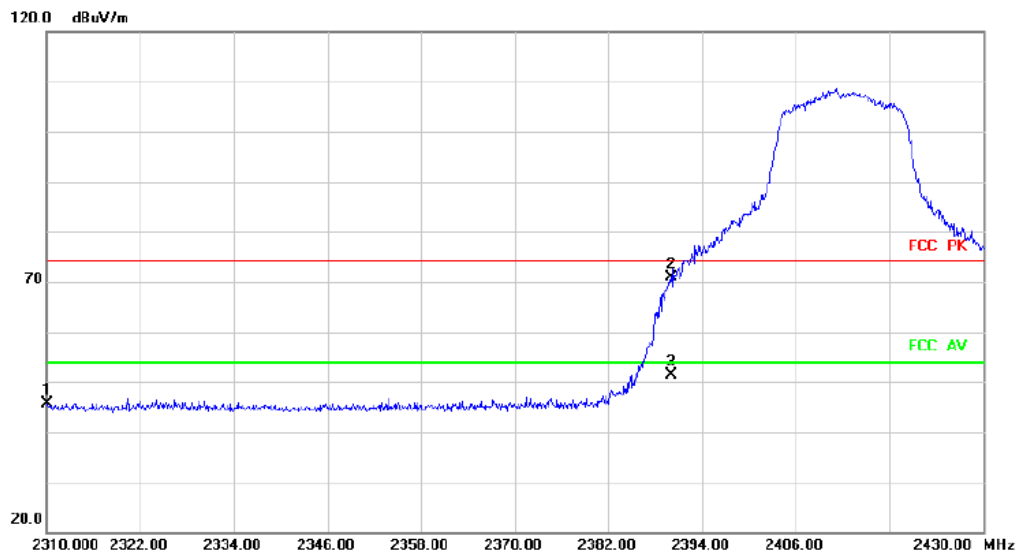
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	4824.000	50.73	-4.18	46.55	74.00	-27.45	peak		Comment

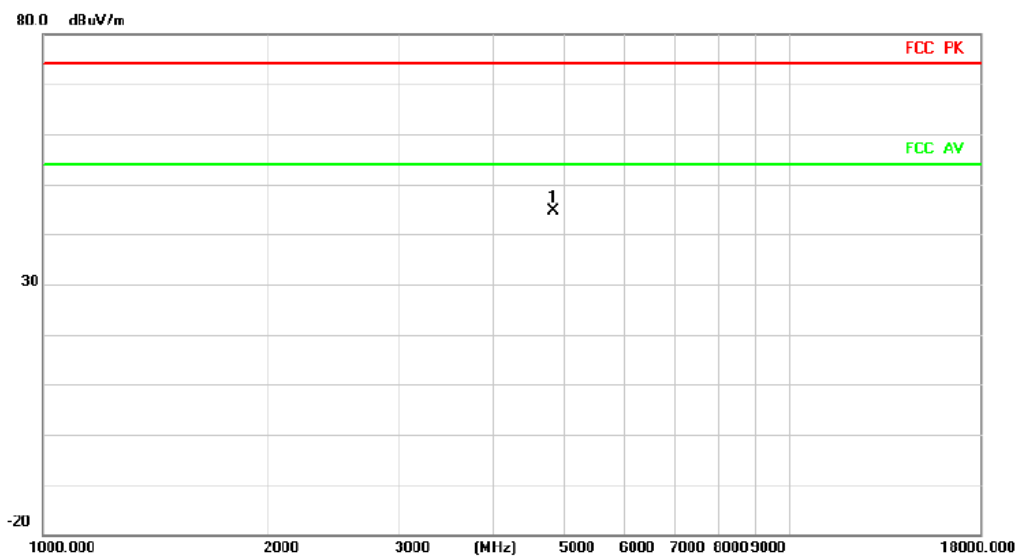
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2310.000	47.40	-1.78	45.62	74.00	-28.38	peak		Comment
2		2390.000	72.37	-1.54	70.83	74.00	-3.17	peak		
3	*	2390.000	52.80	-1.54	51.26	54.00	-2.74	AVG		

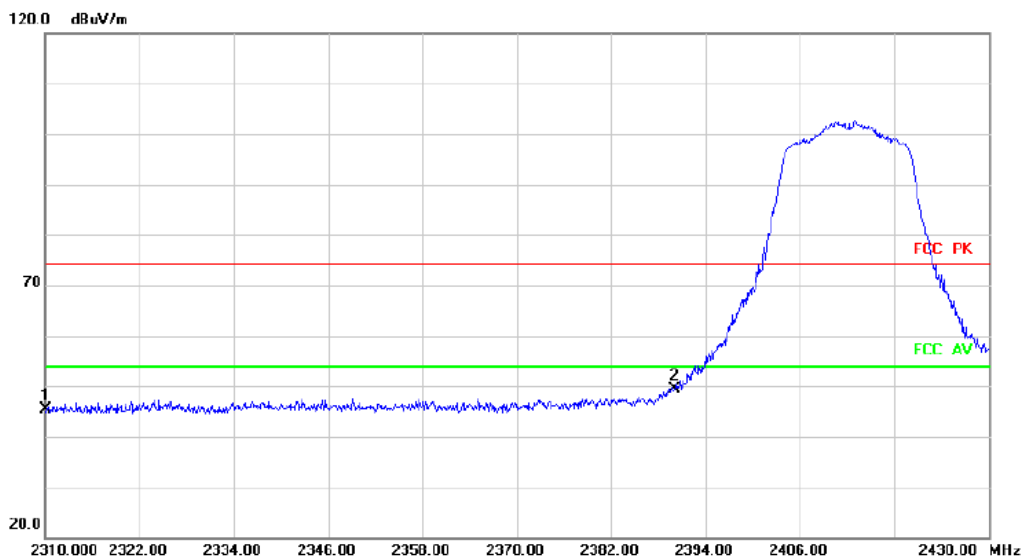
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	4824.000	48.80	-4.18	44.62	74.00	-29.38	peak	

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1		2310.000	47.25	-1.78	45.47	74.00	-28.53	peak	
2	*	2390.000	50.87	-1.54	49.33	74.00	-24.67	peak	

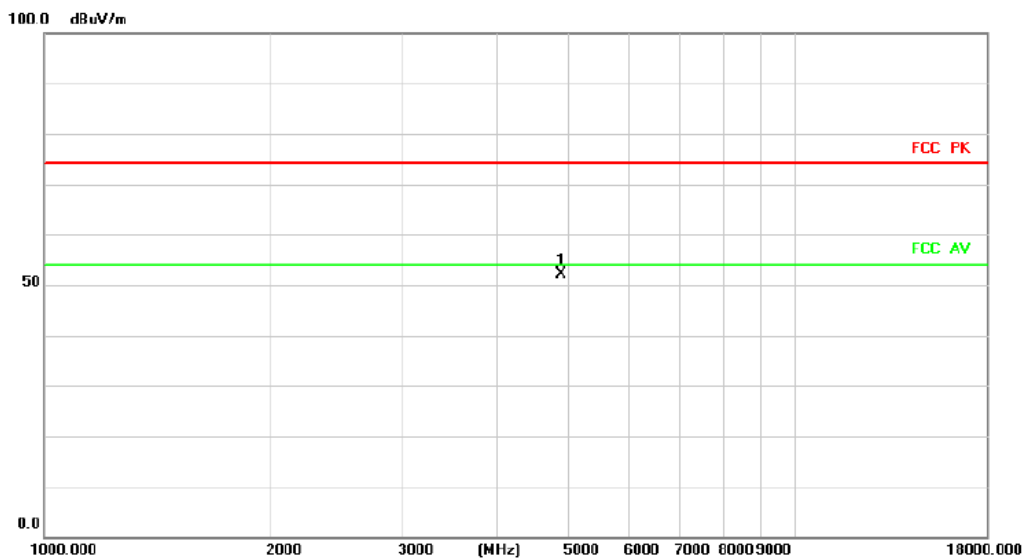
Above 1G (1GHz~18GHz)

Test mode: 11G-CDD

Test Channel:6

VERTICAL

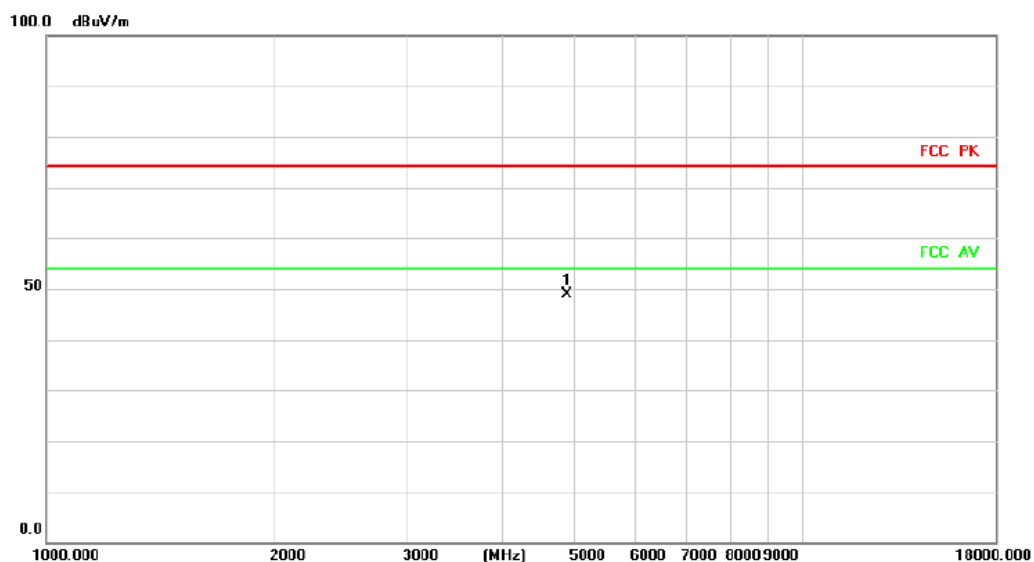
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	4874.000	53.71	-1.59	52.12	74.00	-21.88	peak	

HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	4874.000	50.54	-1.59	48.95	74.00	-25.05	peak	

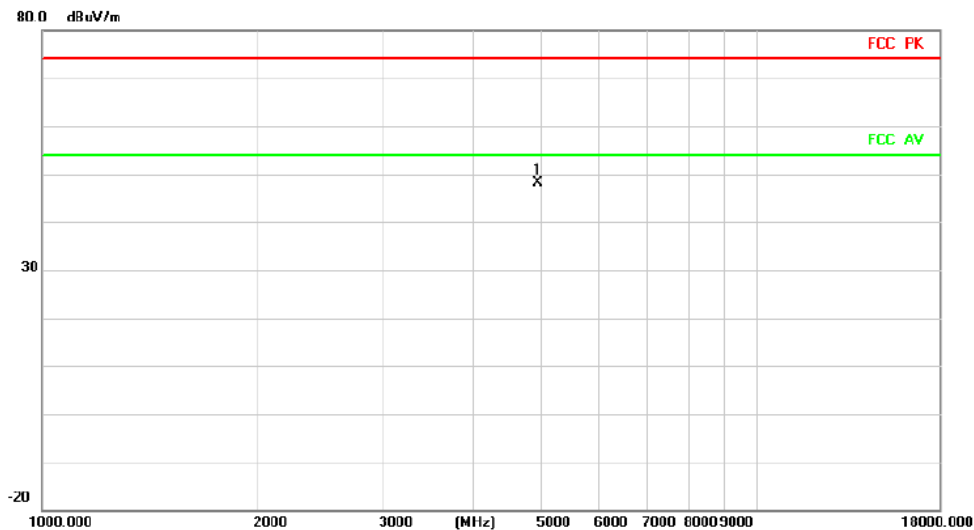
Above 1G (1GHz~18GHz)

Test mode: 11G-CDD

Test Channel:11

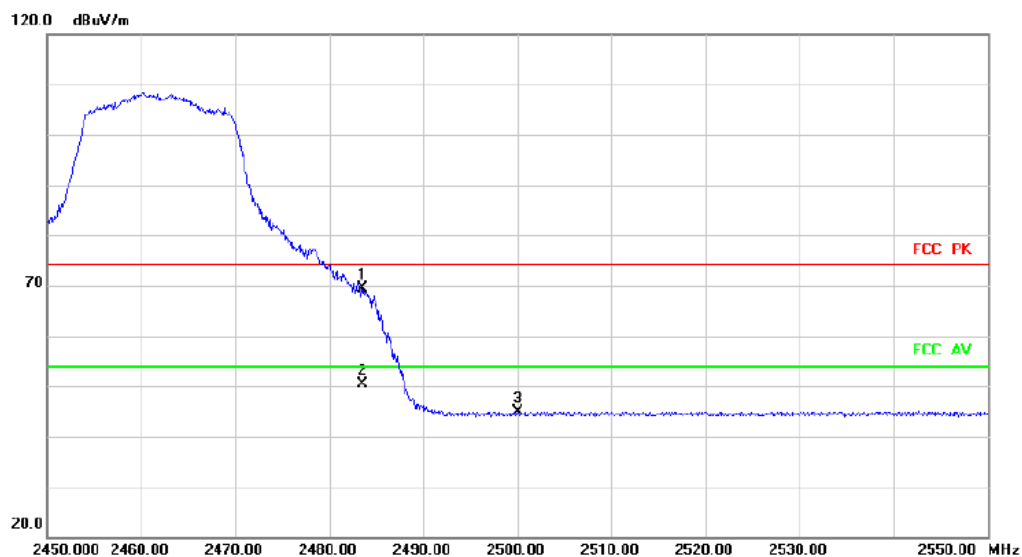
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	4924.000	52.94	-4.90	48.04	74.00	-25.96	peak		

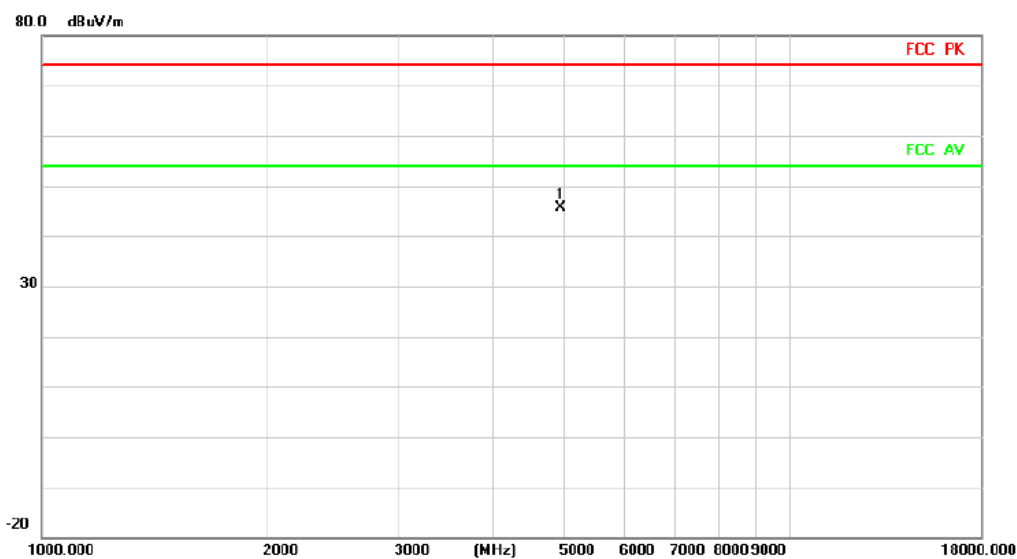
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		2483.500	70.25	-0.90	69.35	74.00	-4.65	peak		
2	*	2483.500	51.22	-0.90	50.32	54.00	-3.68	AVG		
3		2500.000	45.72	-0.74	44.98	74.00	-29.02	peak		

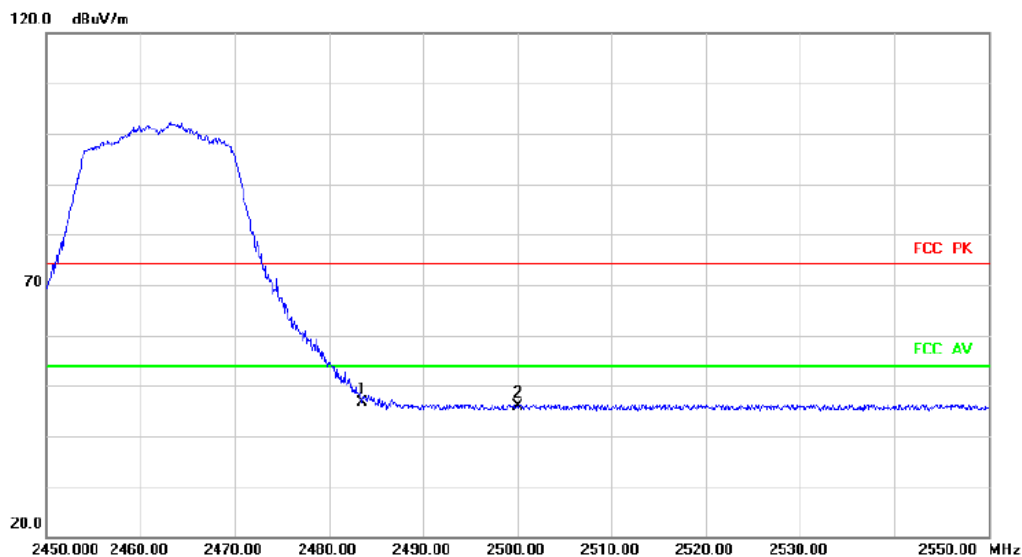
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	4924.000	50.56	-4.90	45.66	74.00	-28.34	peak	

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	2483.500	47.57	-0.90	46.67	74.00	-27.33	peak	
2		2500.000	46.73	-0.74	45.99	74.00	-28.01	peak	

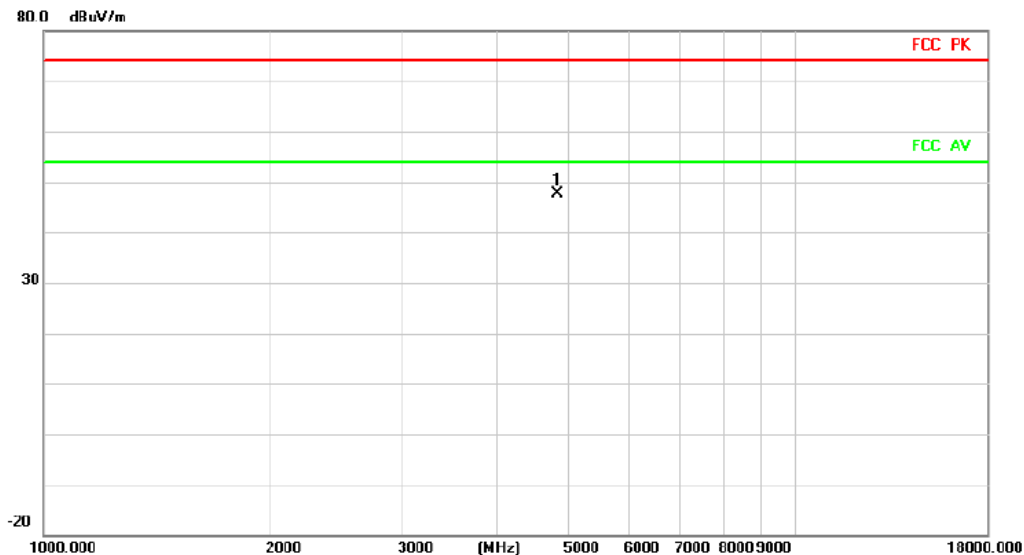
Above 1G (1GHz~18GHz)

Test mode: 11N20MIMO

Test Channel:1

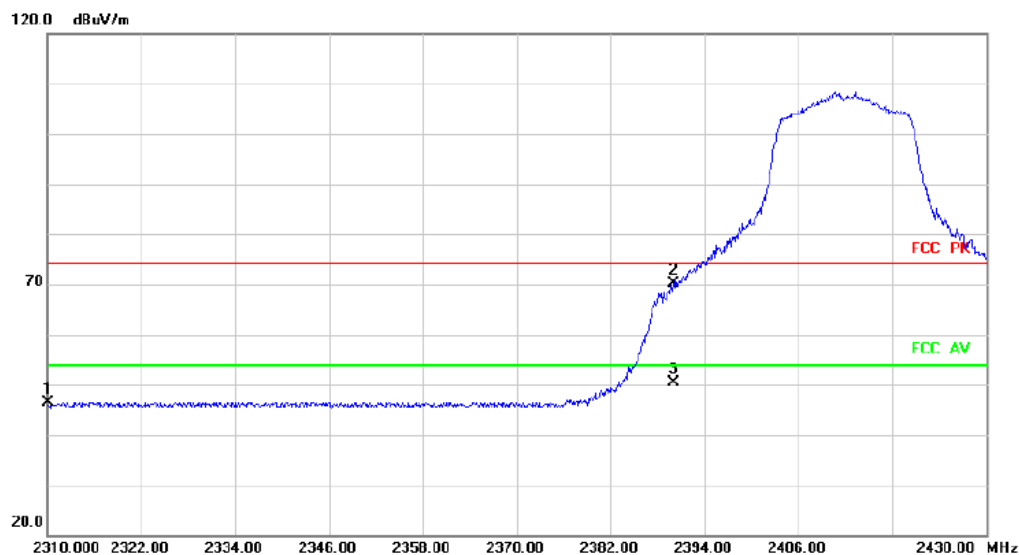
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	4824.000	51.82	-4.18	47.64	74.00	-26.36	peak	

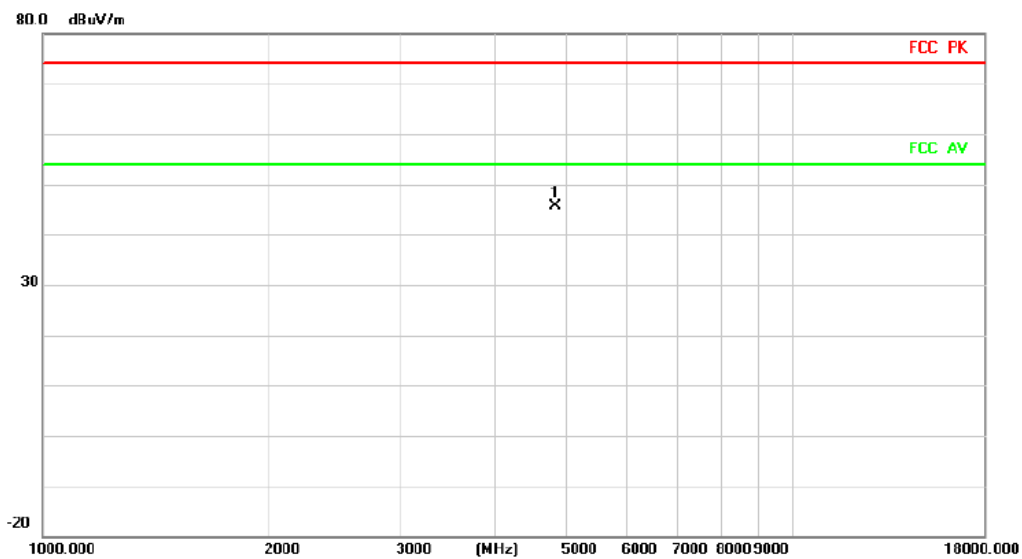
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1		2310.000	48.15	-1.78	46.37	74.00	-27.63	peak	
2		2390.000	71.60	-1.54	70.06	74.00	-3.94	peak	
3	*	2390.000	52.01	-1.54	50.47	54.00	-3.53	AVG	

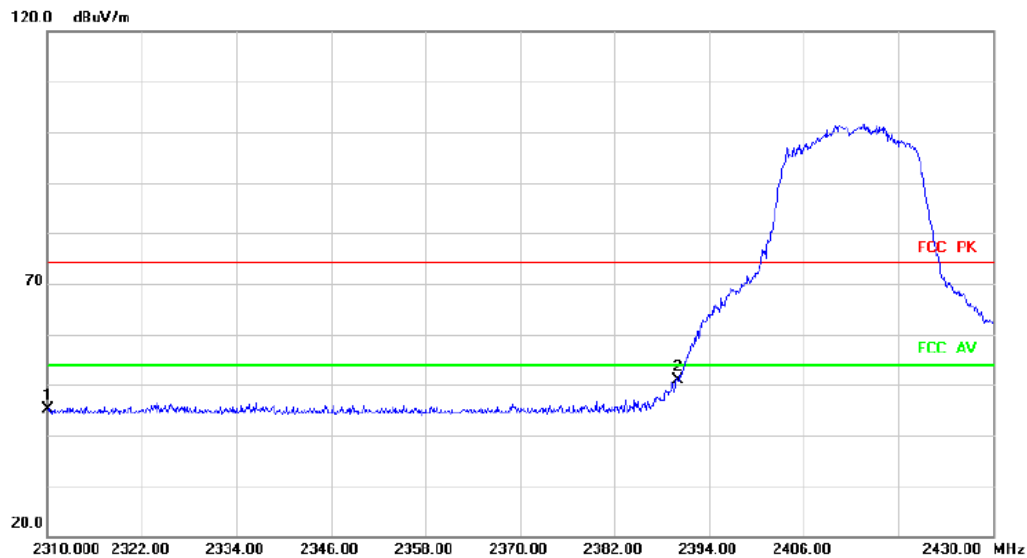
HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	4824.000	49.82	-4.18	45.64	74.00	-28.36	peak		

Radiated Emission



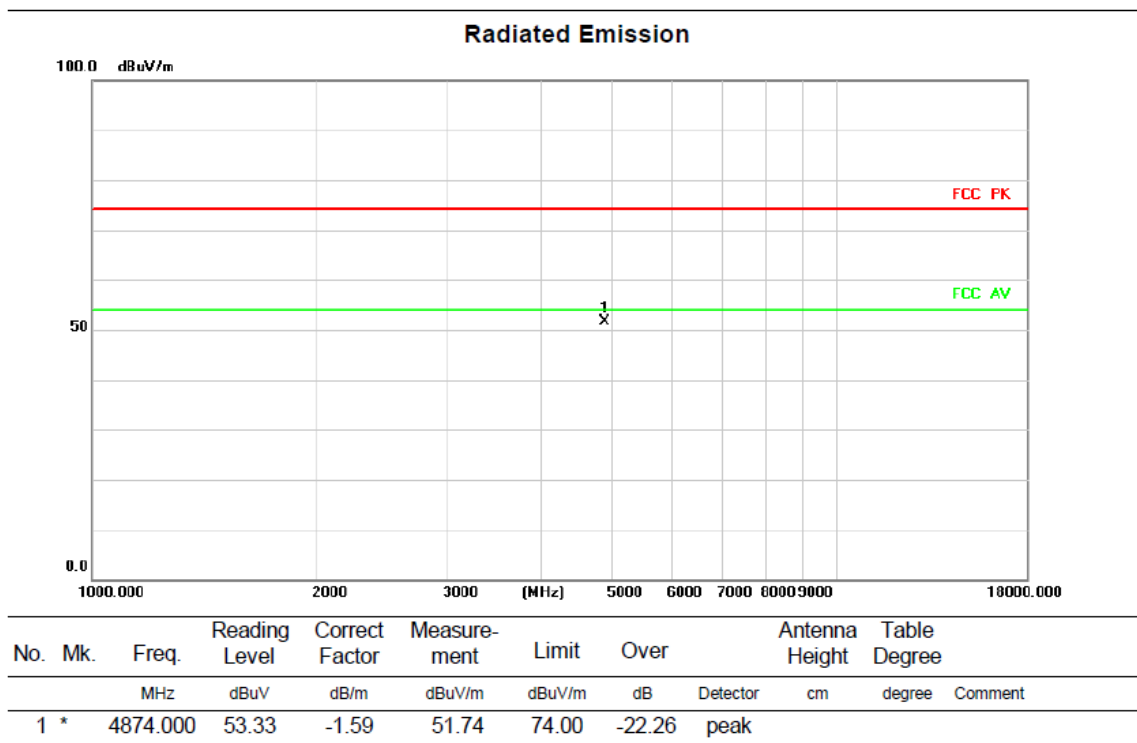
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		2310.000	46.83	-1.78	45.05	74.00	-28.95	peak		
2	*	2390.000	52.40	-1.54	50.86	74.00	-23.14	peak		

Above 1G (1GHz~18GHz)

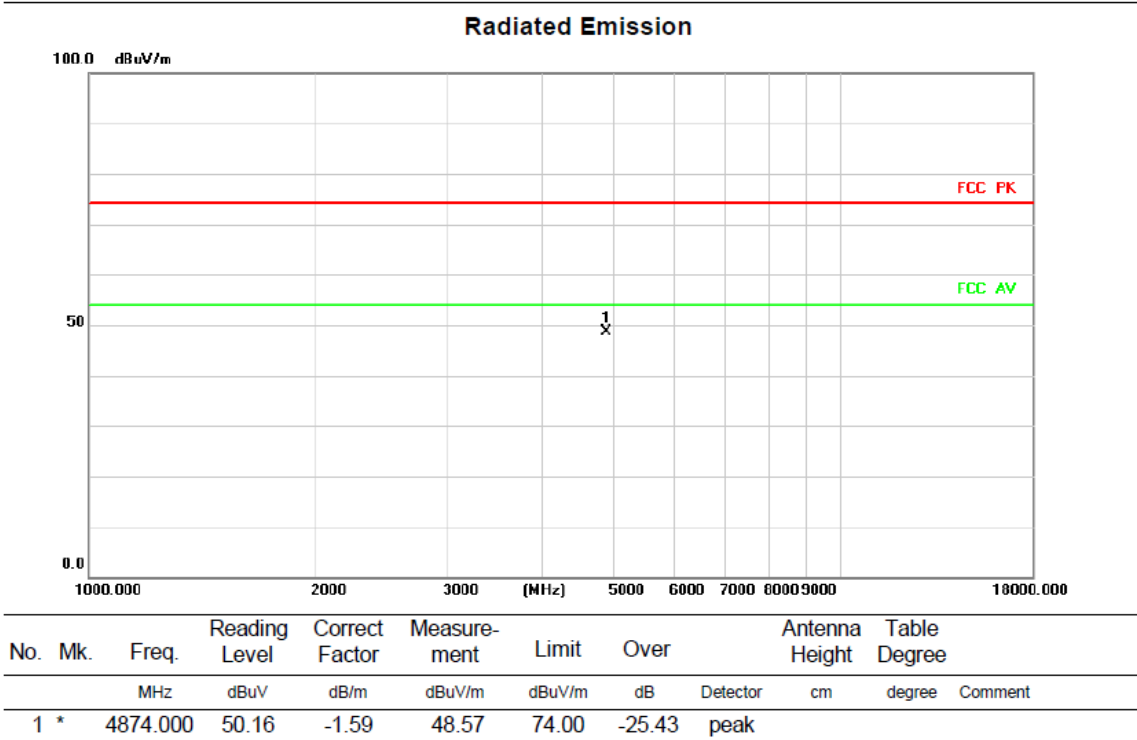
Test mode: 11N20MIMO

Test Channel:6

VERTICAL



HORIZONTAL



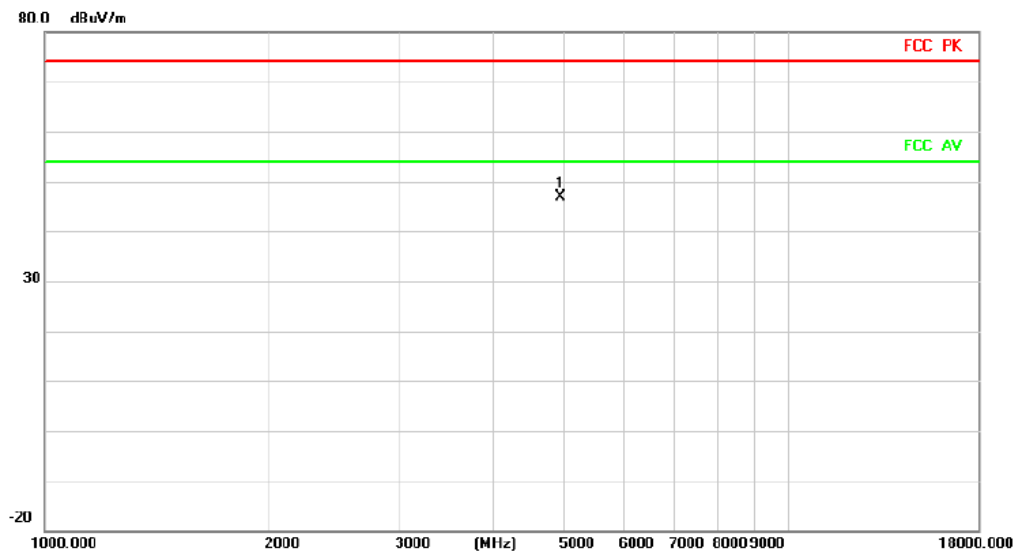
Above 1G (1GHz~18GHz)

Test mode: 11N20MIMO

Test Channel:11

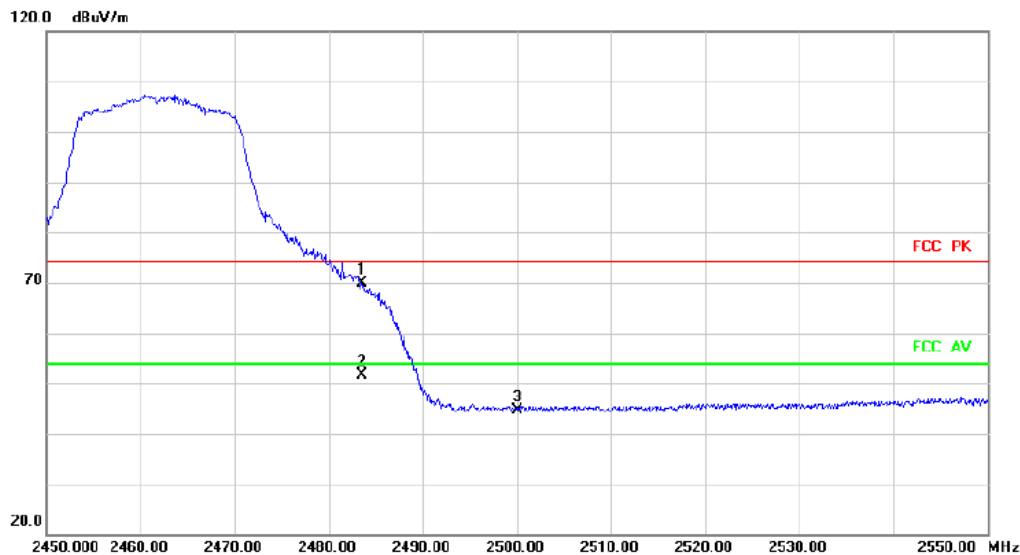
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	4924.000	51.85	-4.90	46.95	74.00	-27.05	peak	

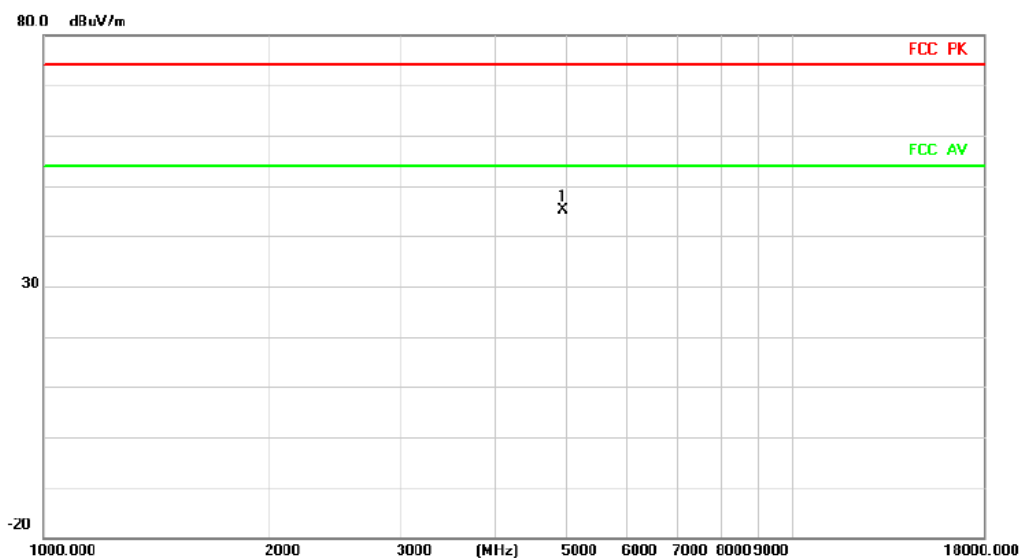
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1		2483.500	70.82	-0.90	69.92	74.00	-4.08	peak	
2	*	2483.500	52.44	-0.90	51.54	54.00	-2.46	AVG	
3		2500.000	45.30	-0.74	44.56	74.00	-29.44	peak	

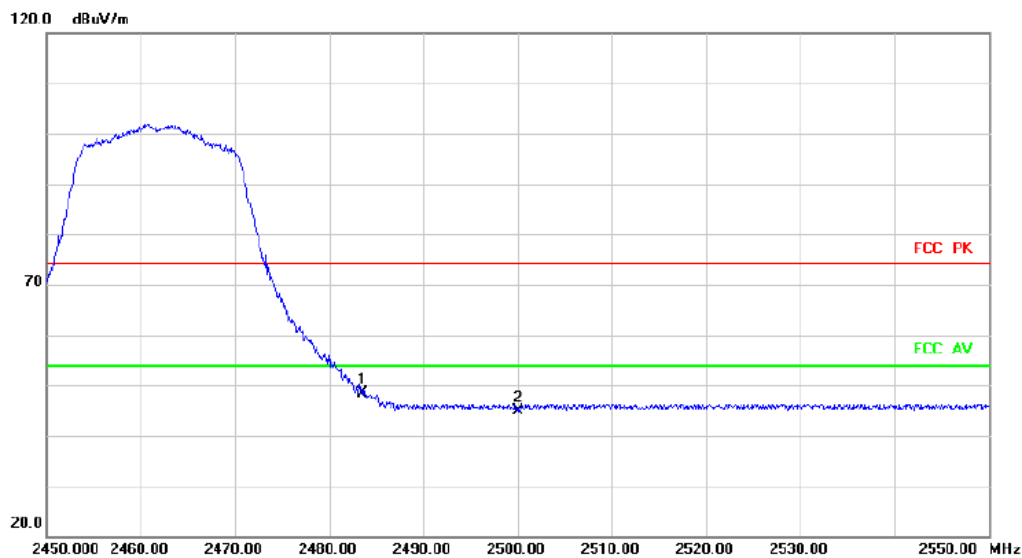
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	4924.000	50.02	-4.90	45.12	74.00	-28.88	peak		

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	2483.500	49.16	-0.90	48.26	74.00	-25.74	peak		
2		2500.000	45.58	-0.74	44.84	74.00	-29.16	peak		

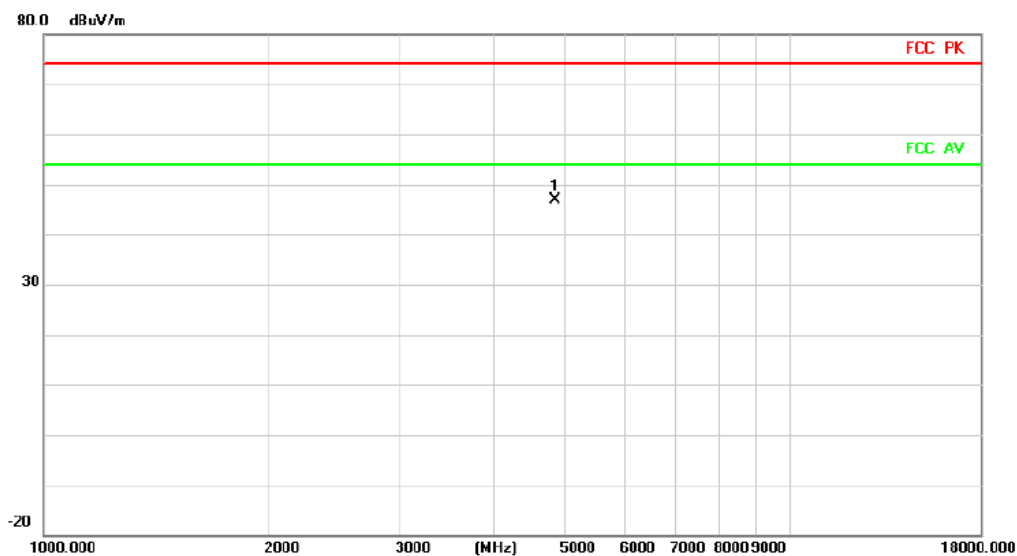
Above 1G (1GHz~18GHz)

Test mode: 11N40MIMO

Test Channel:3

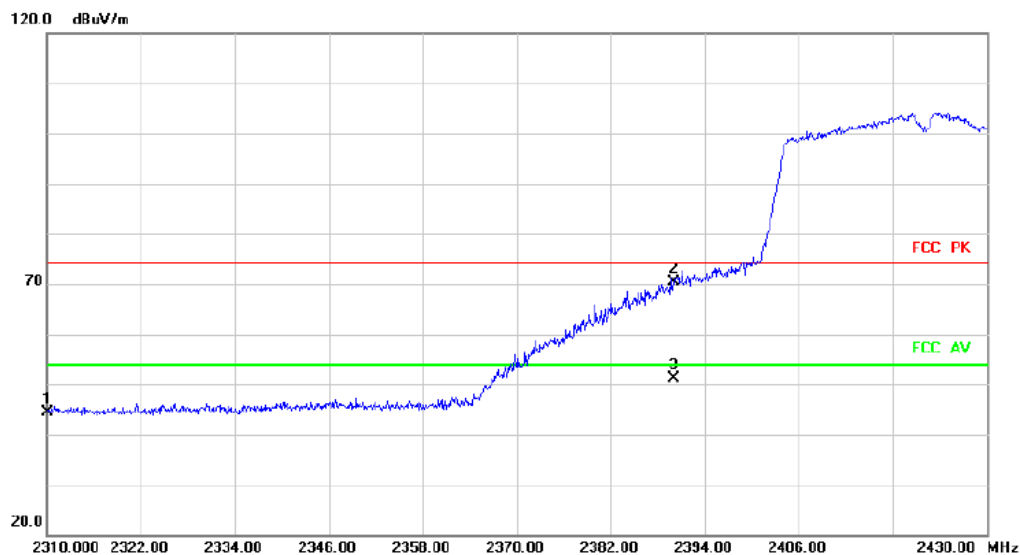
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	4844.000	51.23	-4.38	46.85	74.00	-27.15	peak		

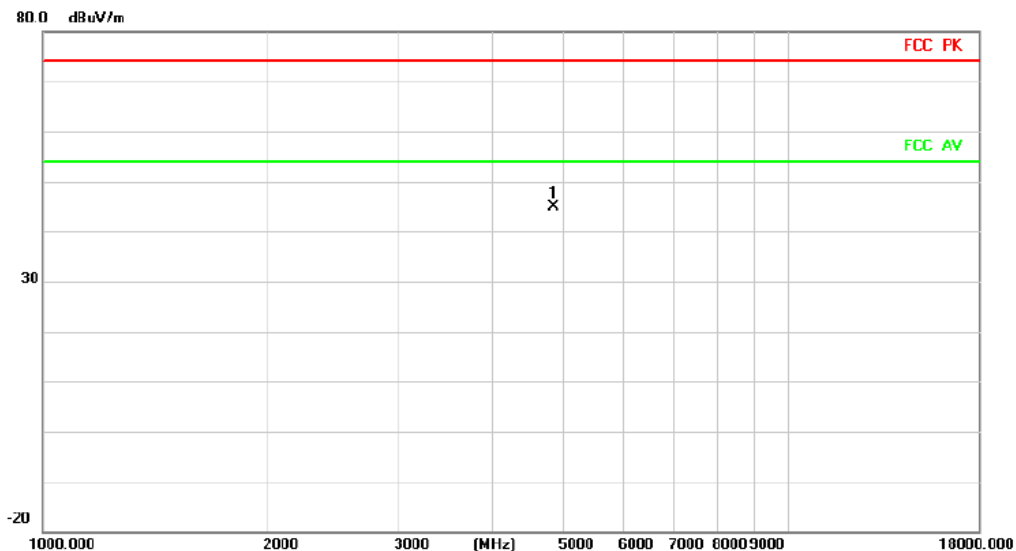
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		2310.000	46.06	-1.78	44.28	74.00	-29.72	peak		
2		2390.000	72.03	-1.54	70.49	74.00	-3.51	peak		
3	*	2390.000	52.62	-1.54	51.08	54.00	-2.92	AVG		

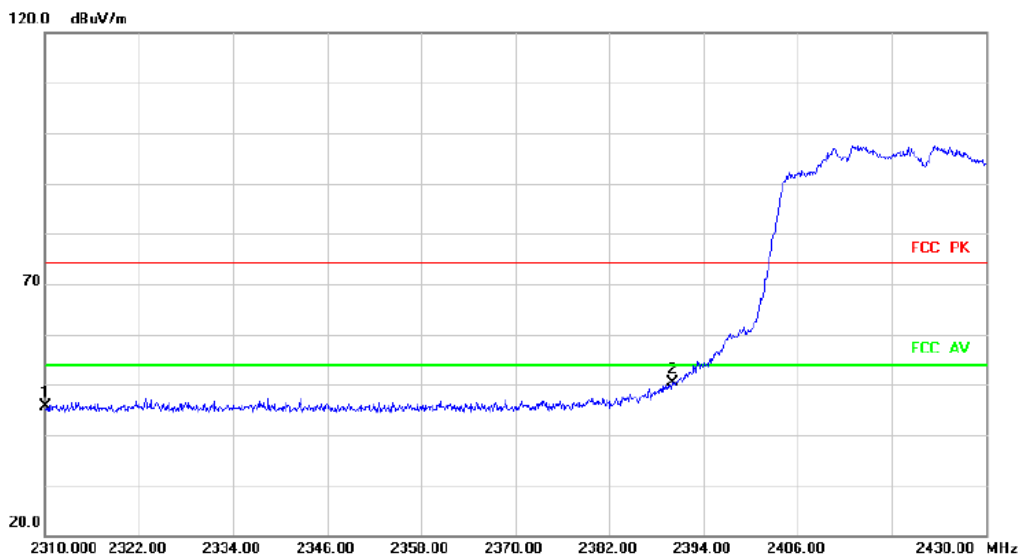
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	4844.000	49.35	-4.38	44.97	74.00	-29.03	peak		

Radiated Emission



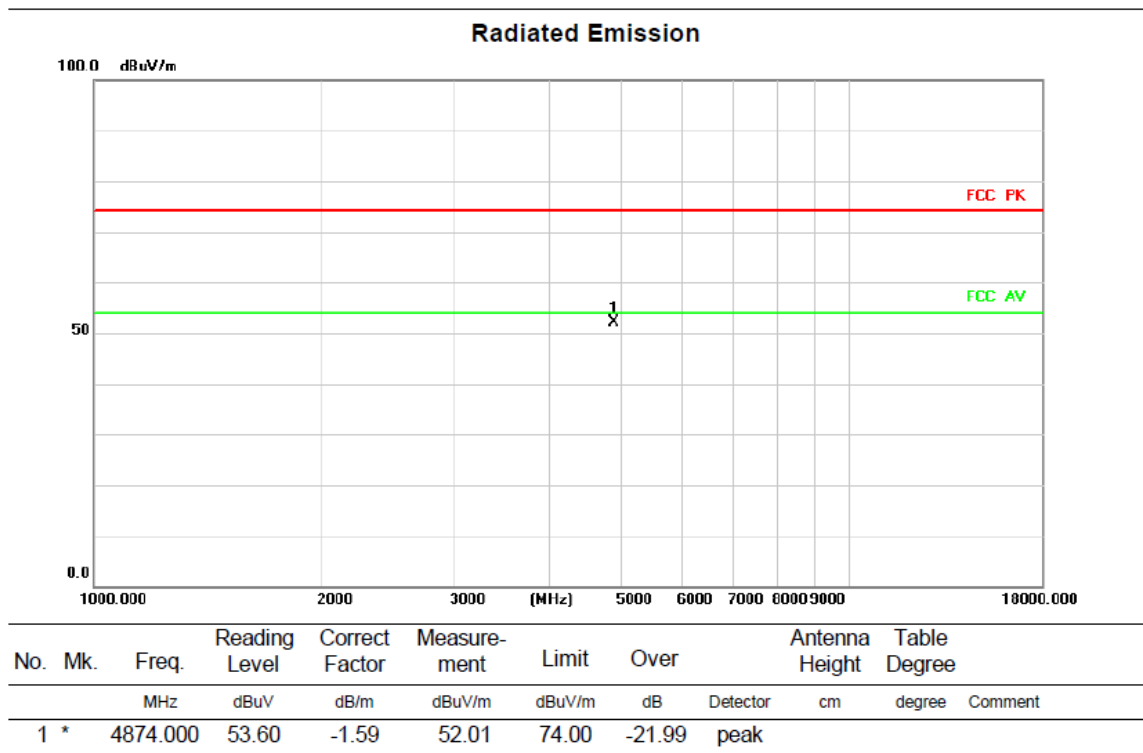
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		2310.000	47.36	-1.78	45.58	74.00	-28.42	peak		
2	*	2390.000	51.84	-1.54	50.30	74.00	-23.70	peak		

Above 1G (1GHz~18GHz)

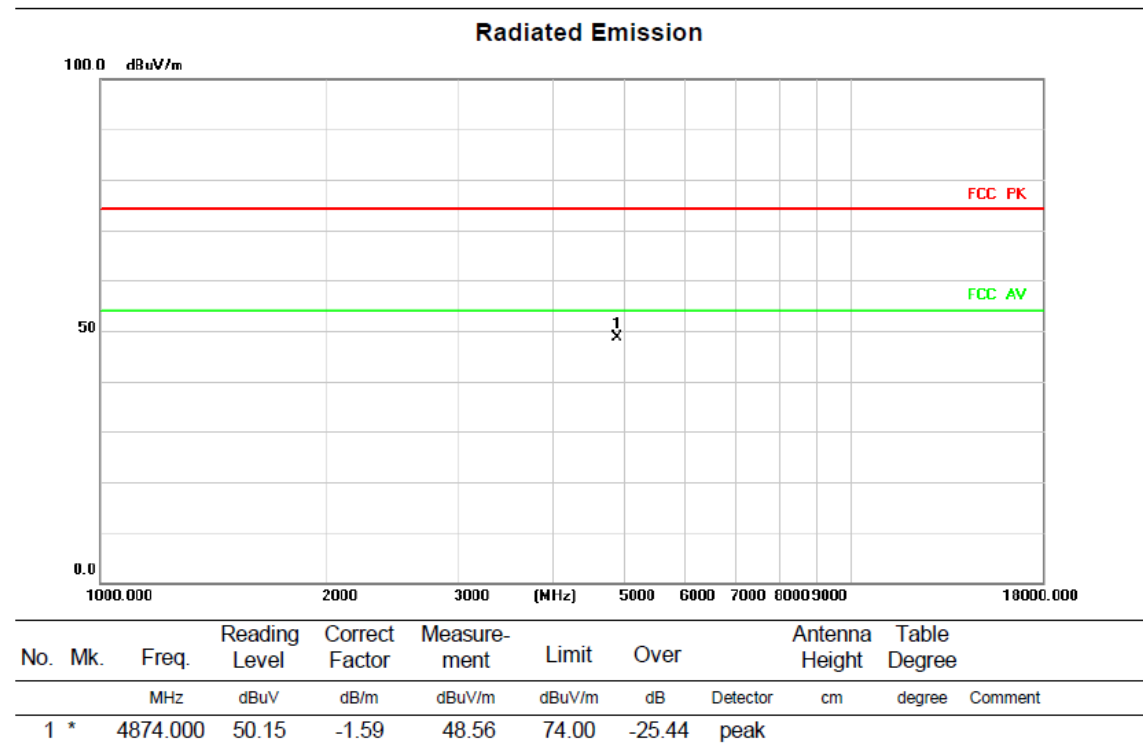
Test mode: 11N40MIMO

Test Channel:6

VERTICAL



HORIZONTAL



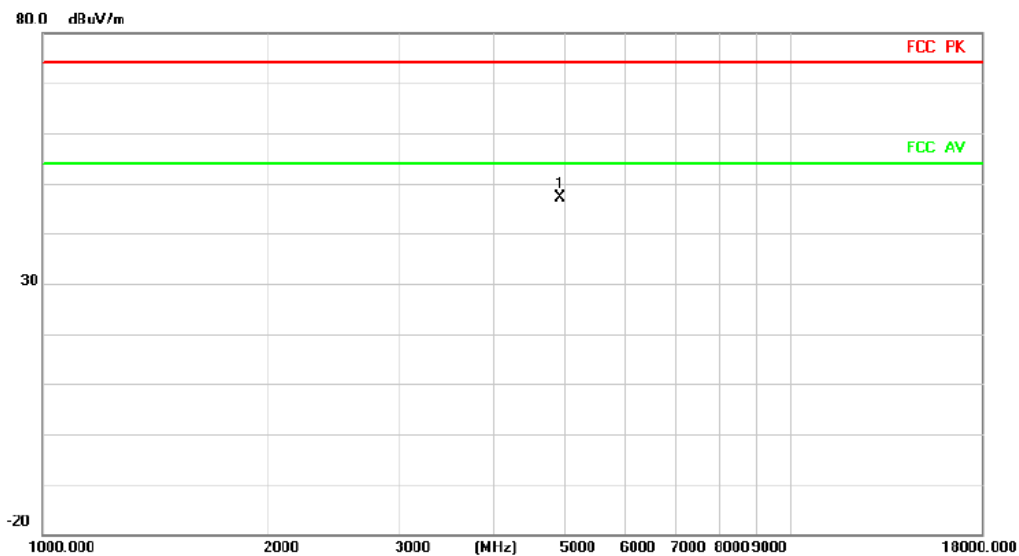
Above 1G (1GHz~18GHz)

Test mode: 11N40MIMO

Test Channel:9

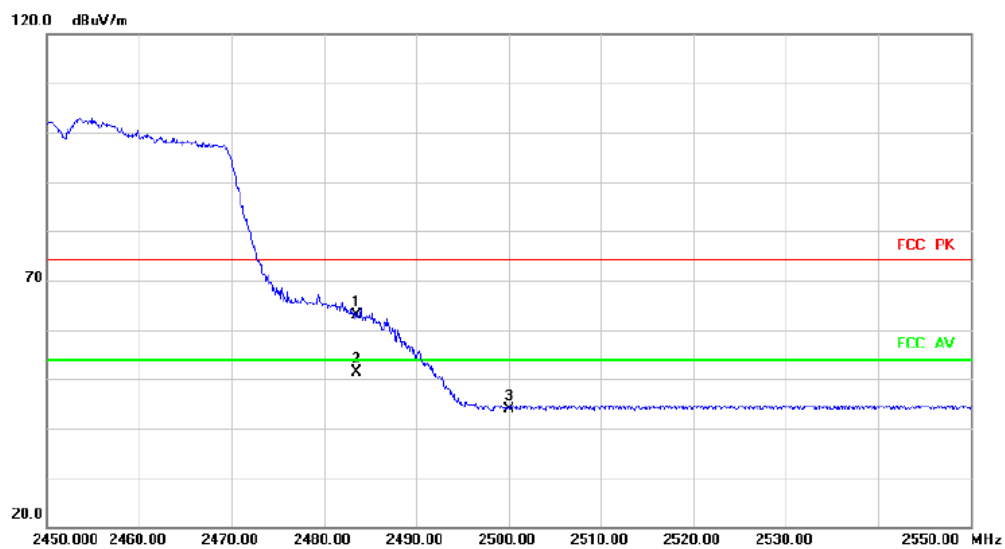
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	4904.000	51.89	-4.74	47.15	74.00	-26.85	peak		

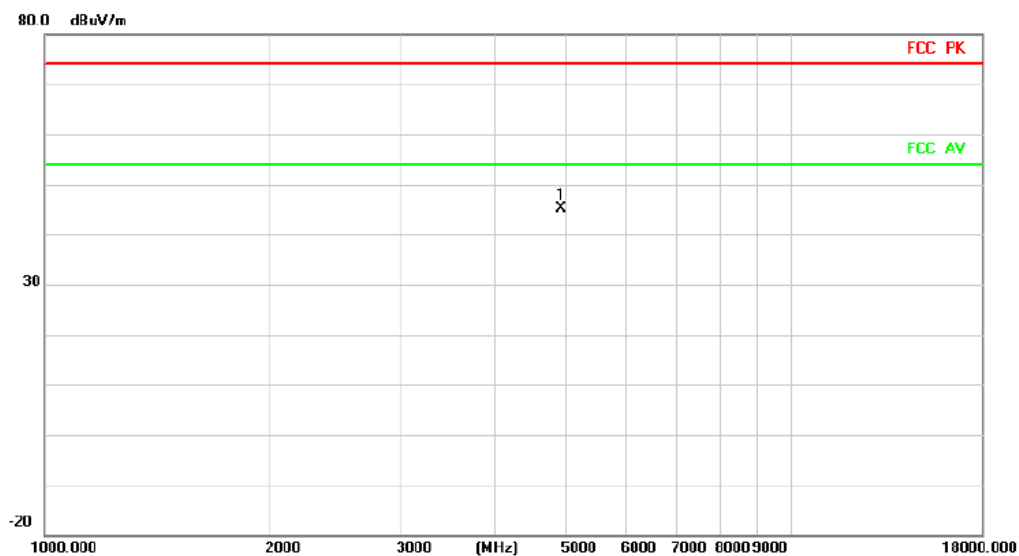
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		2483.500	63.74	-0.90	62.84	74.00	-11.16	peak		
2	*	2483.500	52.21	-0.90	51.31	54.00	-2.69	AVG		
3		2500.000	44.54	-0.74	43.80	74.00	-30.20	peak		

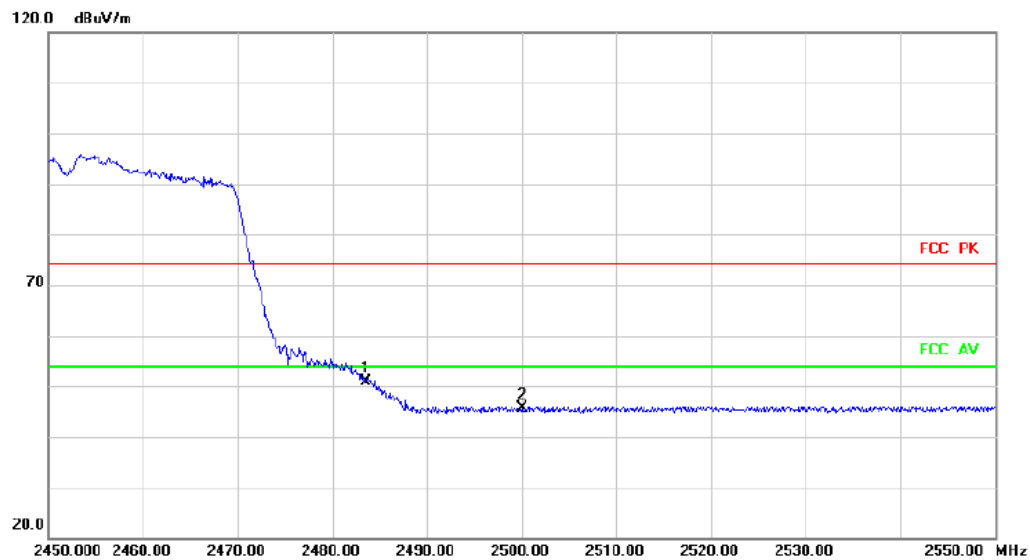
HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	4904.000	49.79	-4.74	45.05	74.00	-28.95	peak	

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	2483.500	51.85	-0.90	50.95	74.00	-23.05	peak	
2		2500.000	46.30	-0.74	45.56	74.00	-28.44	peak	

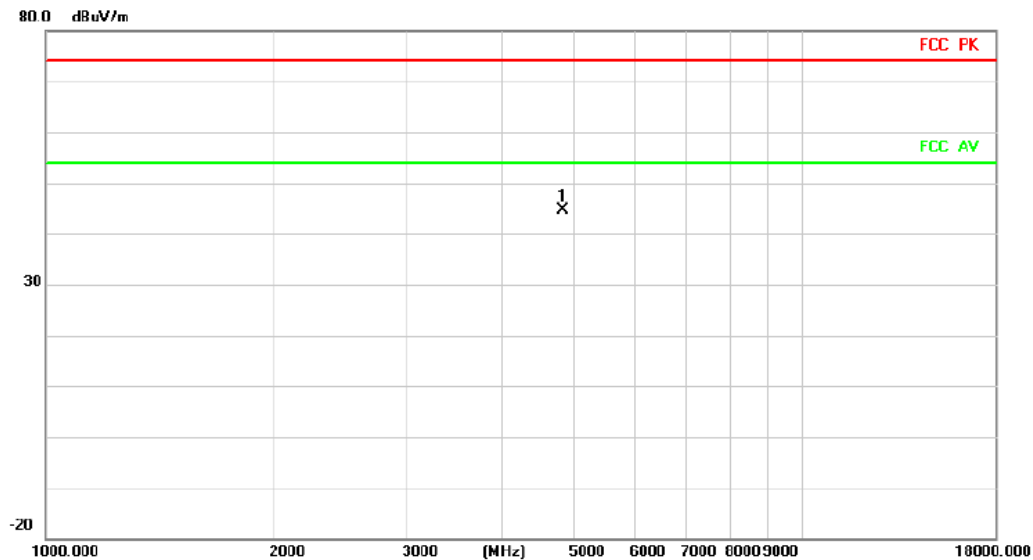
Above 1G (1GHz~18GHz)

Test mode: 11AX20MIMO

Test Channel:1

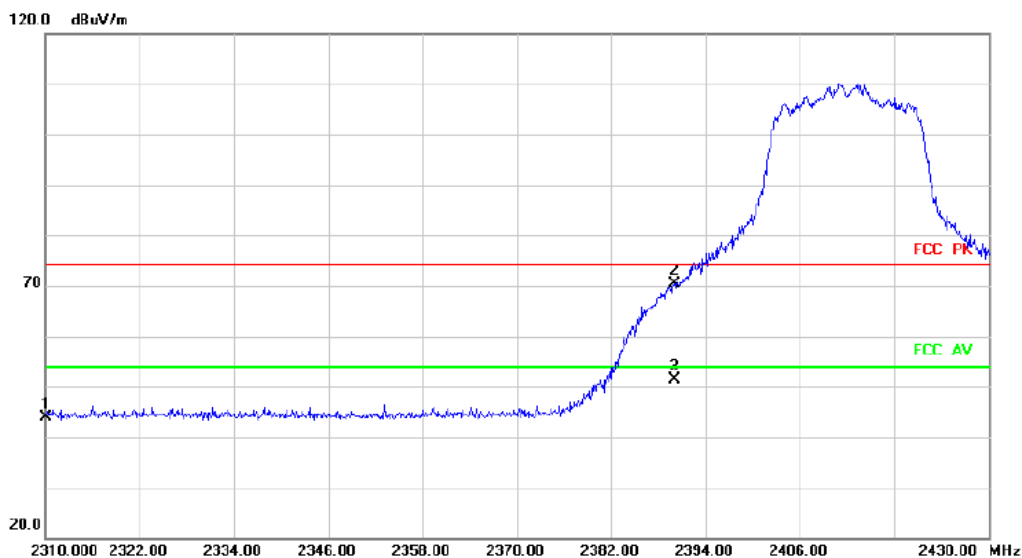
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	4824.000	48.72	-4.18	44.54	74.00	-29.46	peak		

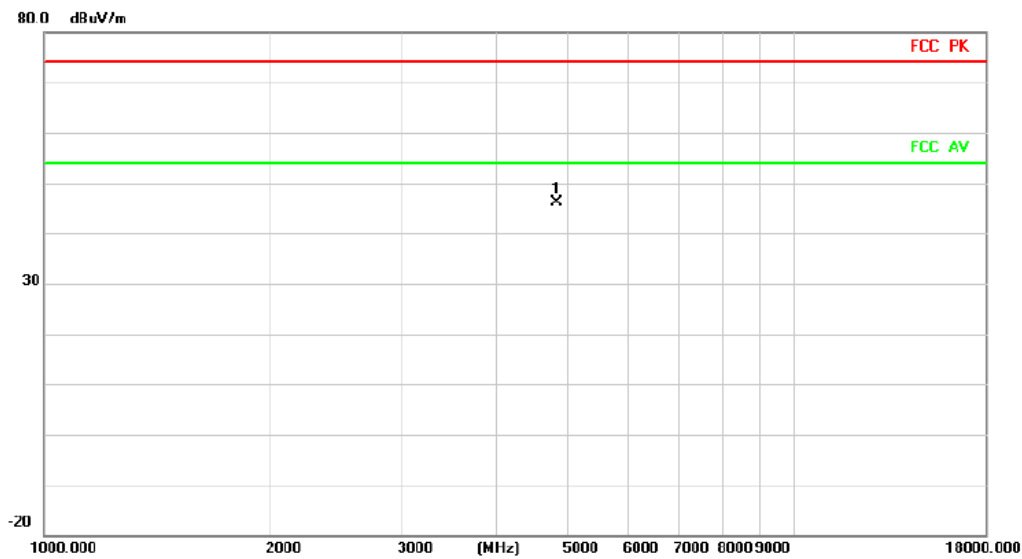
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		2310.000	45.62	-1.78	43.84	74.00	-30.16	peak		
2		2390.000	71.98	-1.54	70.44	74.00	-3.56	peak		
3	*	2390.000	52.81	-1.54	51.27	54.00	-2.73	AVG		

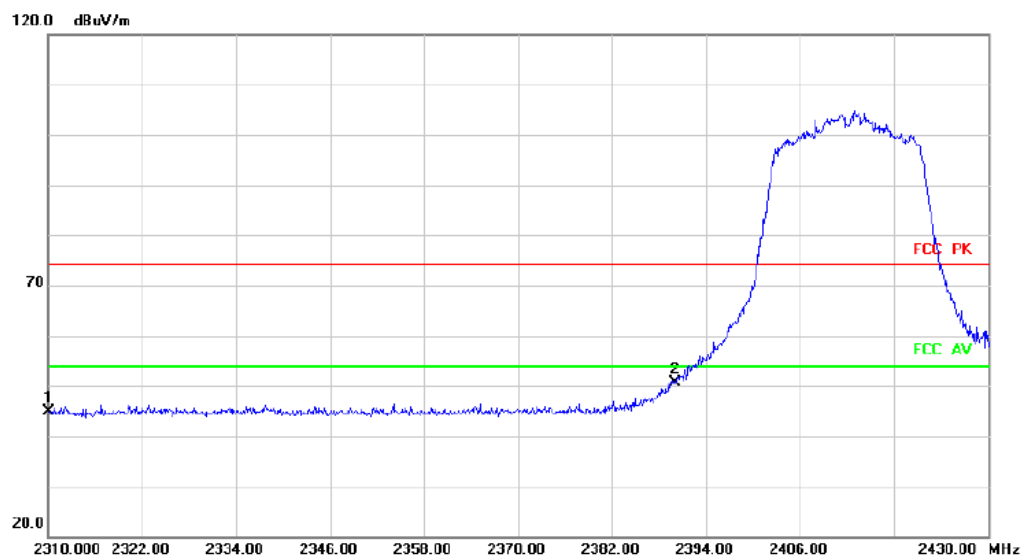
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	4824.000	50.38	-4.18	46.20	74.00	-27.80	peak		Comment

Radiated Emission



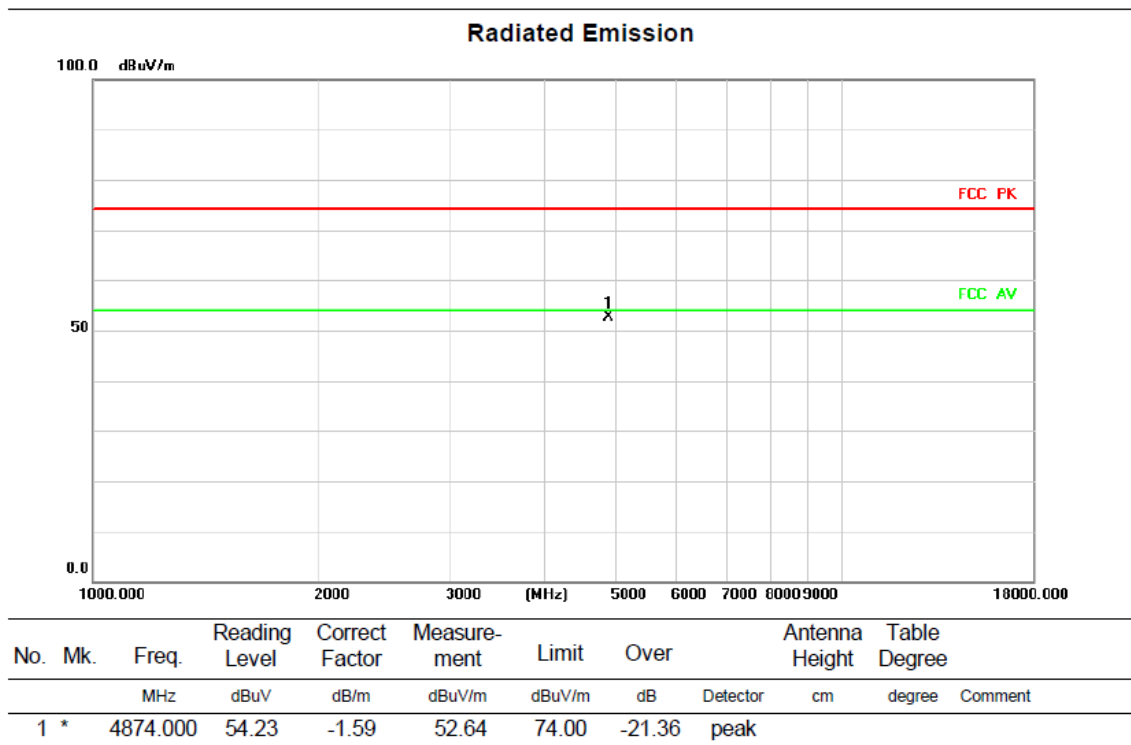
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2310.000	46.64	-1.78	44.86	74.00	-29.14	peak		Comment
2	*	2390.000	52.16	-1.54	50.62	74.00	-23.38	peak		Comment

Above 1G (1GHz~18GHz)

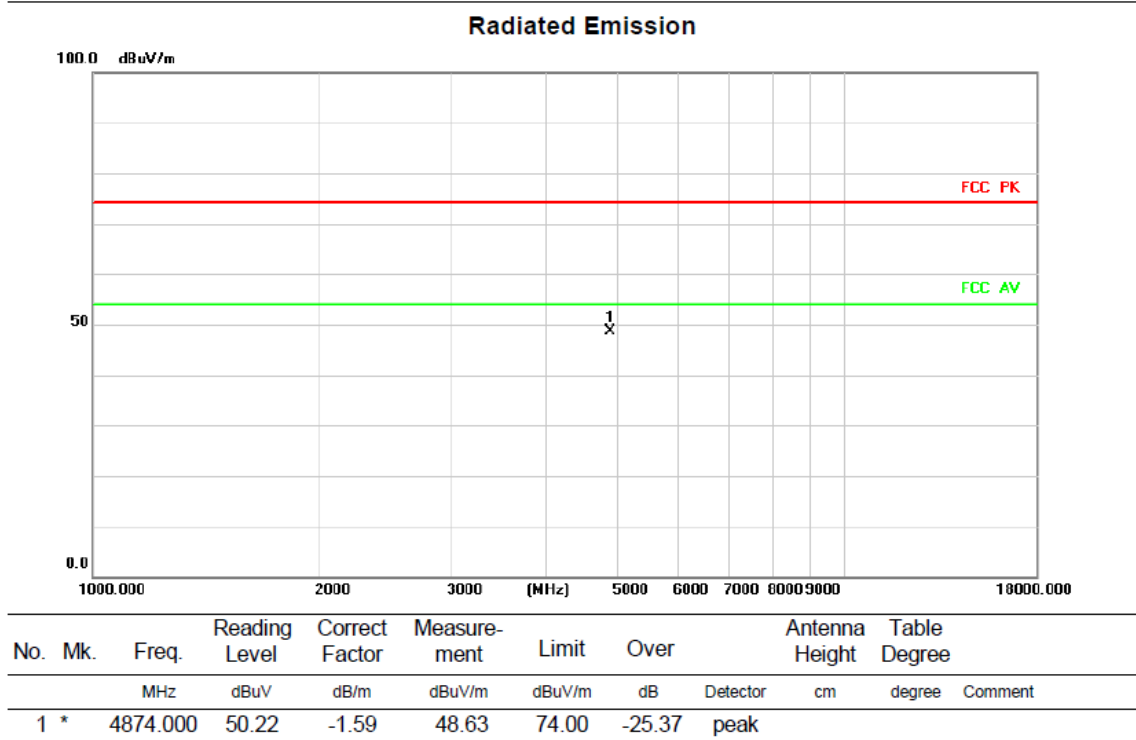
Test mode: 11AX20MIMO

Test Channel:6

VERTICAL



HORIZONTAL



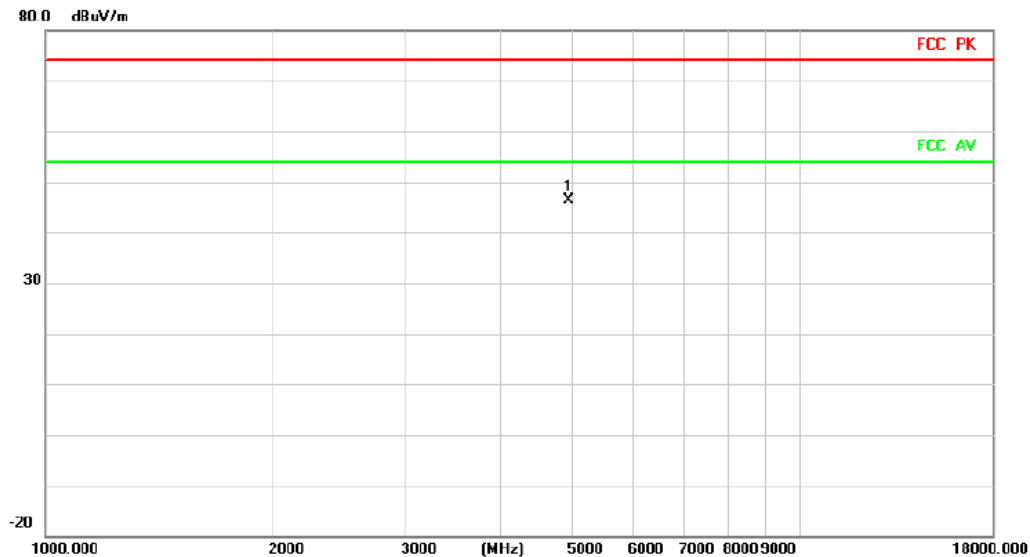
Above 1G (1GHz~18GHz)

Test mode: 11AX20MIMO

Test Channel:11

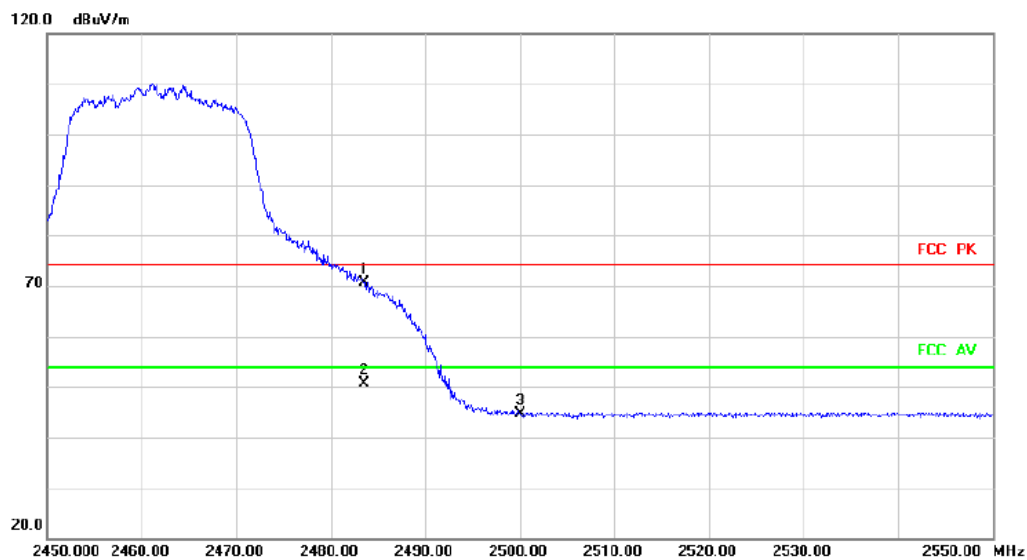
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	4924.000	51.24	-4.90	46.34	74.00	-27.66	peak		

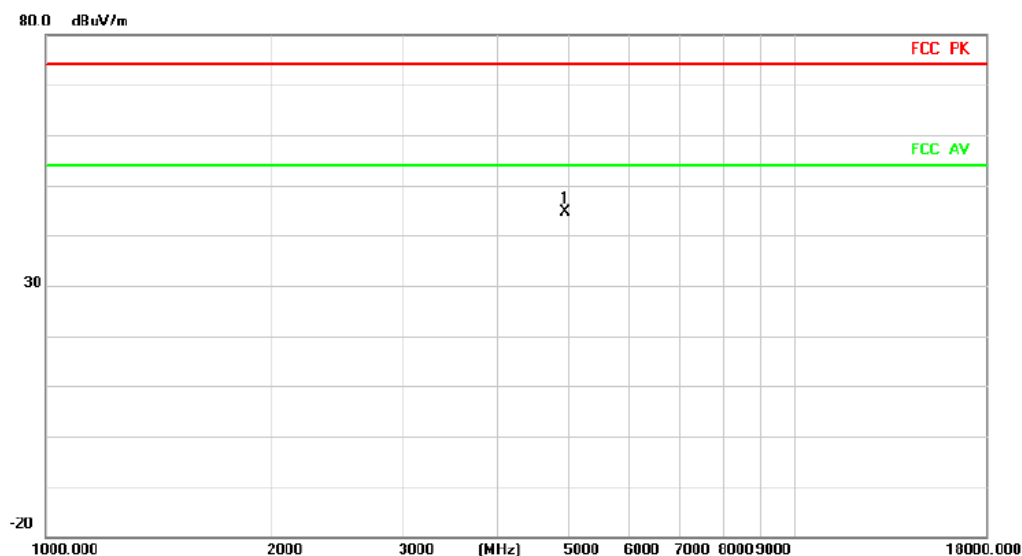
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		2483.500	71.54	-0.90	70.64	74.00	-3.36	peak		
2	*	2483.500	51.63	-0.90	50.73	54.00	-3.27	AVG		
3		2500.000	45.48	-0.74	44.74	74.00	-29.26	peak		

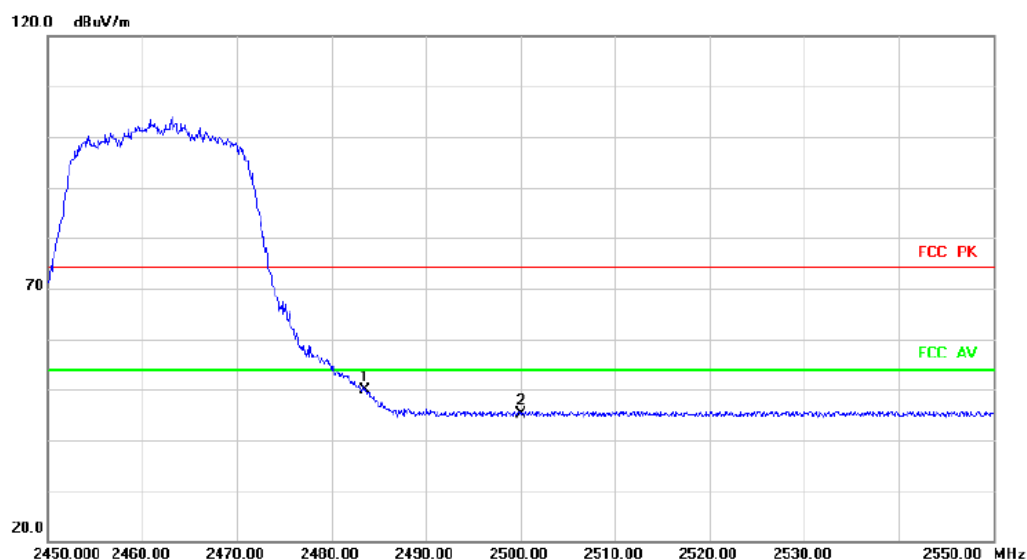
HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	4924.000	49.58	-4.90	44.68	74.00	-29.32	peak		Comment

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2483.500	50.66	-0.90	49.76	74.00	-24.24	peak		Comment
2		2500.000	45.97	-0.74	45.23	74.00	-28.77	peak		Comment

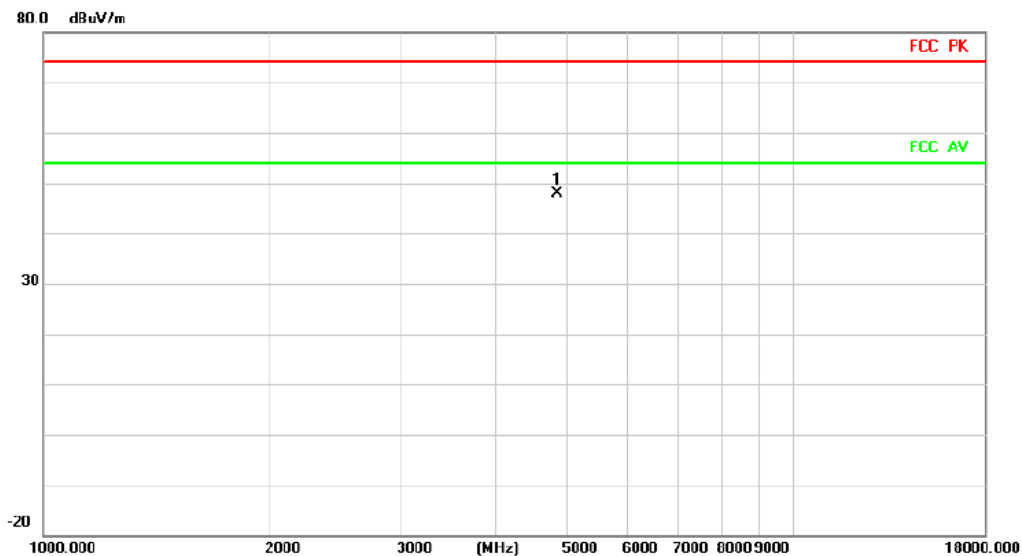
Above 1G (1GHz~18GHz)

Test mode: 11AX40MIMO

Test Channel:3

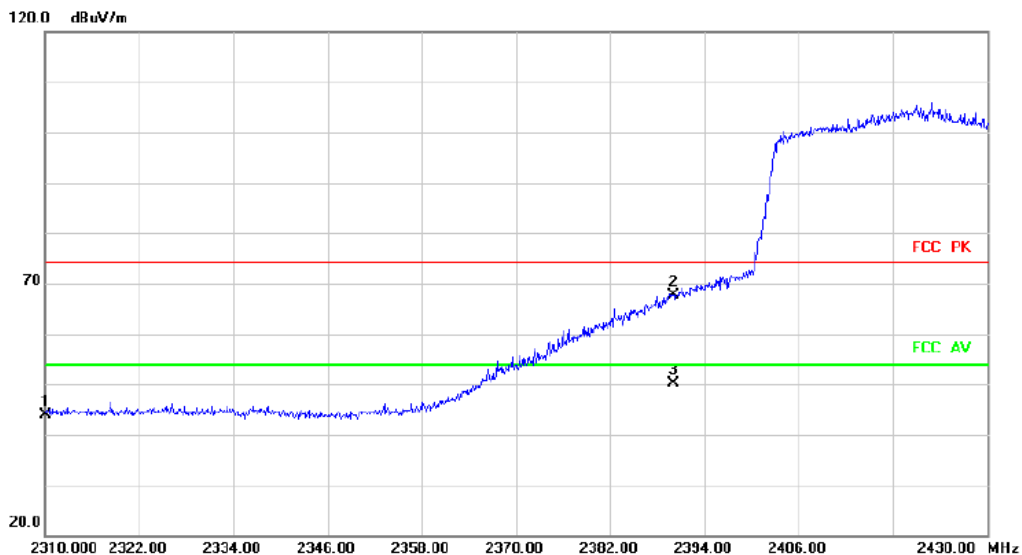
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	4844.000	52.26	-4.38	47.88	74.00	-26.12	peak	

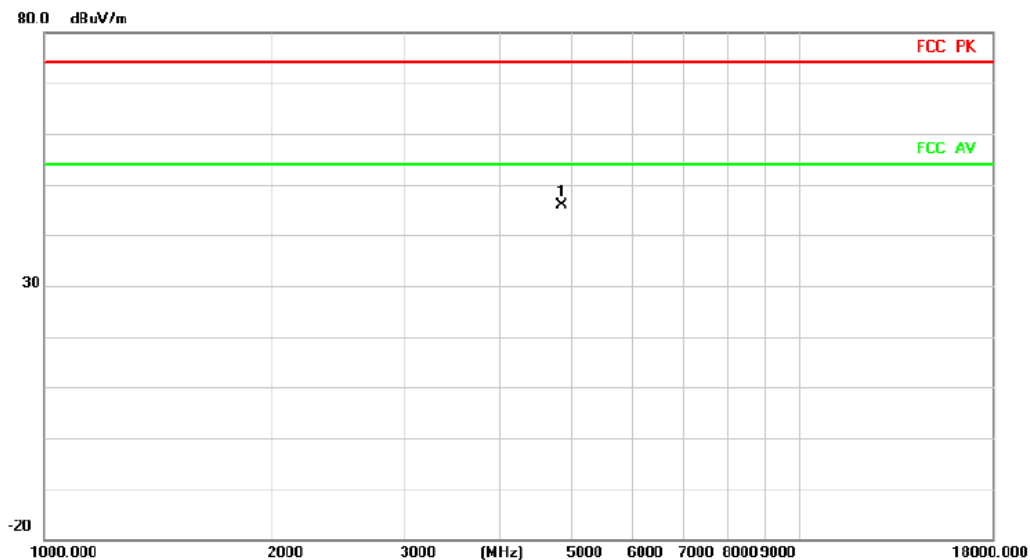
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1		2310.000	45.72	-1.78	43.94	74.00	-30.06	peak	
2		2390.000	69.23	-1.54	67.69	74.00	-6.31	peak	
3	*	2390.000	51.62	-1.54	50.08	54.00	-3.92	AVG	

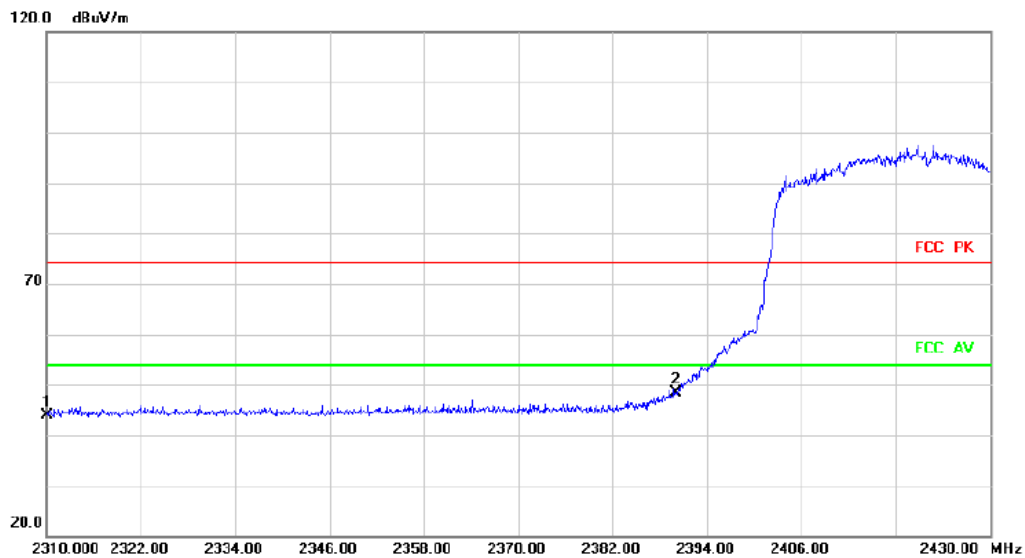
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	4844.000	50.16	-4.38	45.78	74.00	-28.22	peak		Comment

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2310.000	45.68	-1.78	43.90	74.00	-30.10	peak		Comment
2	*	2390.000	49.95	-1.54	48.41	74.00	-25.59	peak		Comment

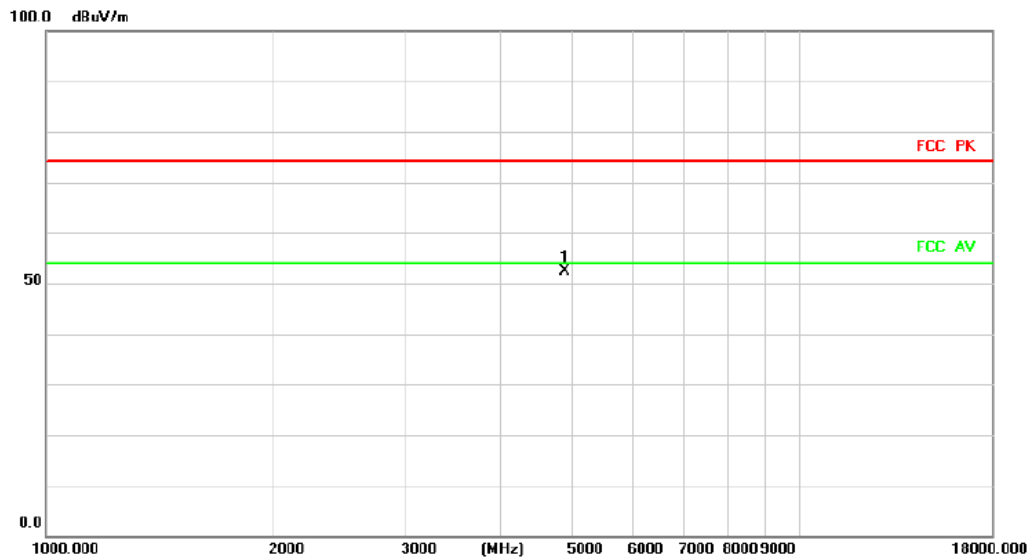
Above 1G (1GHz~18GHz)

Test mode: 11AX40MIMO

Test Channel:6

VERTICAL

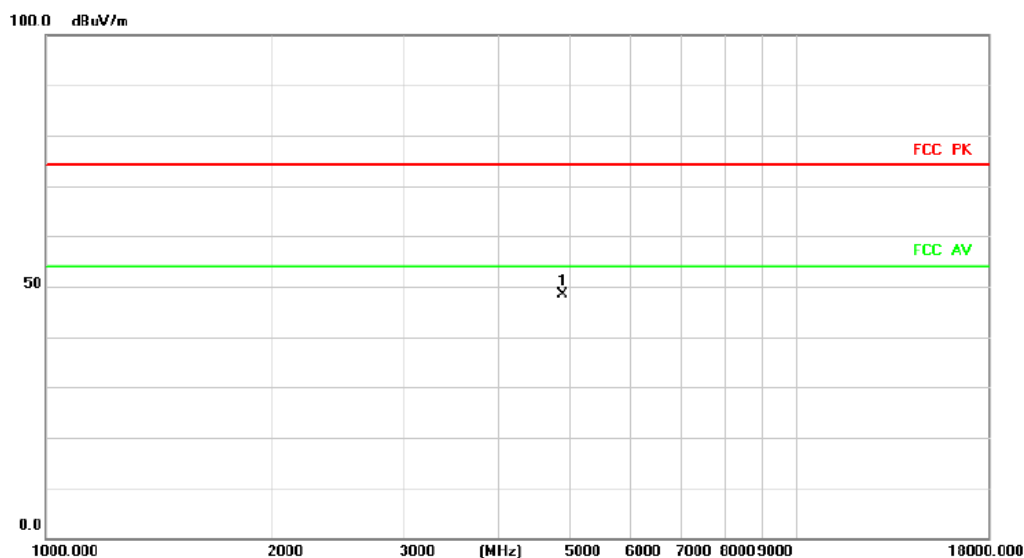
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	4874.000	54.00	-1.59	52.41	74.00	-21.59	peak	

HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	4874.000	49.91	-1.59	48.32	74.00	-25.68	peak	

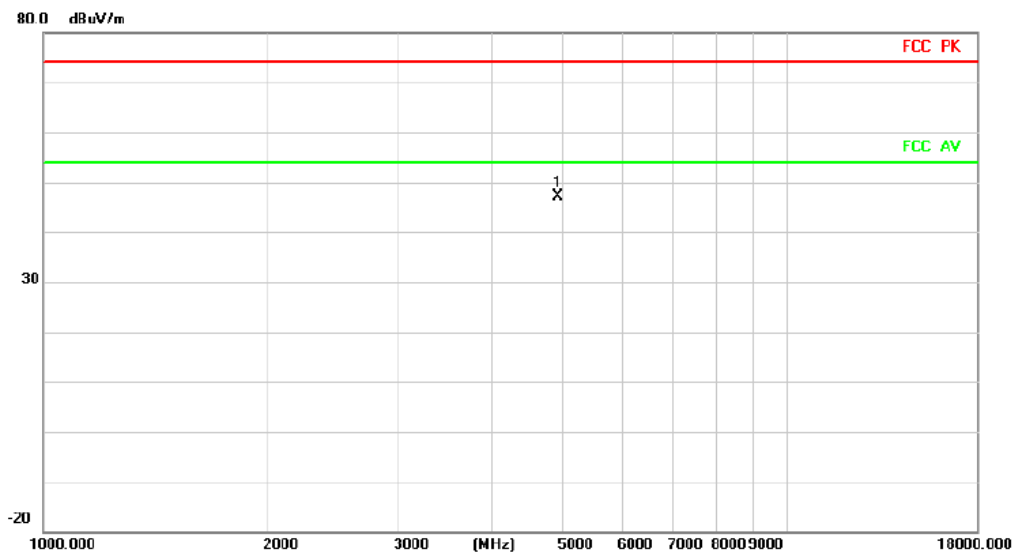
Above 1G (1GHz~18GHz)

Test mode: 11AX40MIMO

Test Channel:9

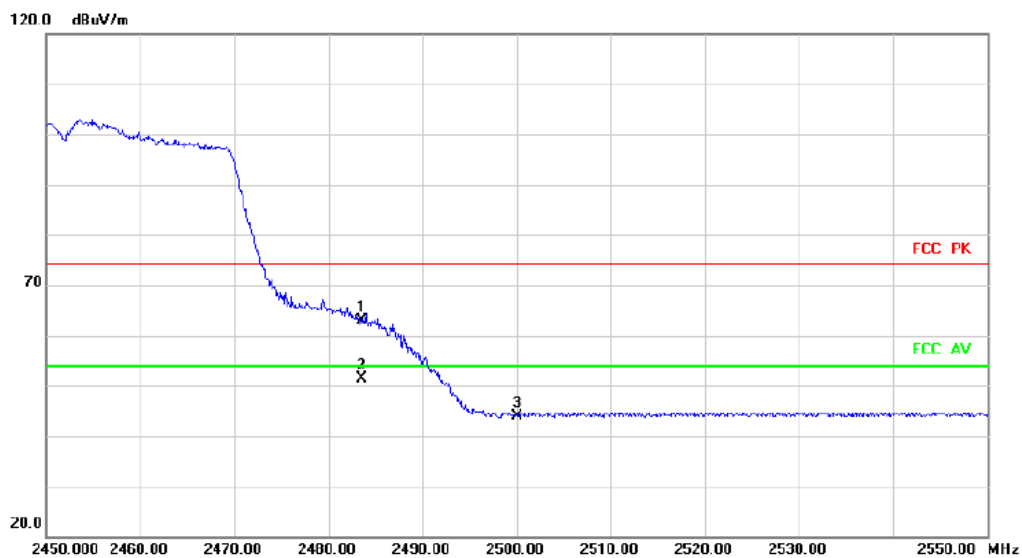
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	4904.000	51.80	-4.74	47.06	74.00	-26.94	peak		

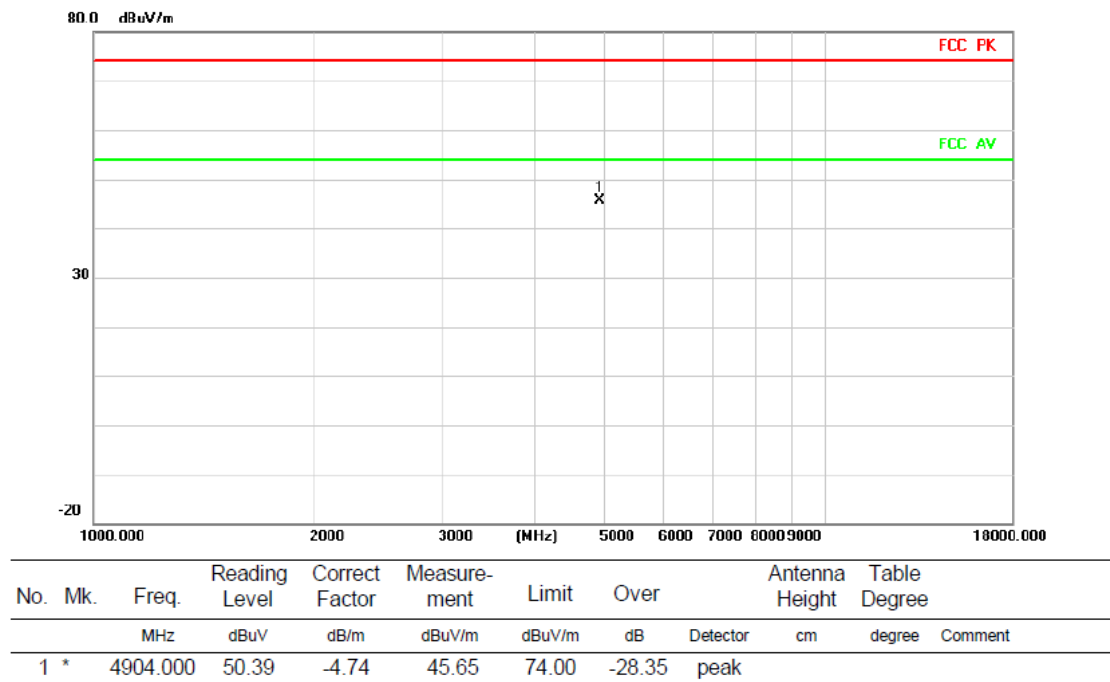
Radiated Emission



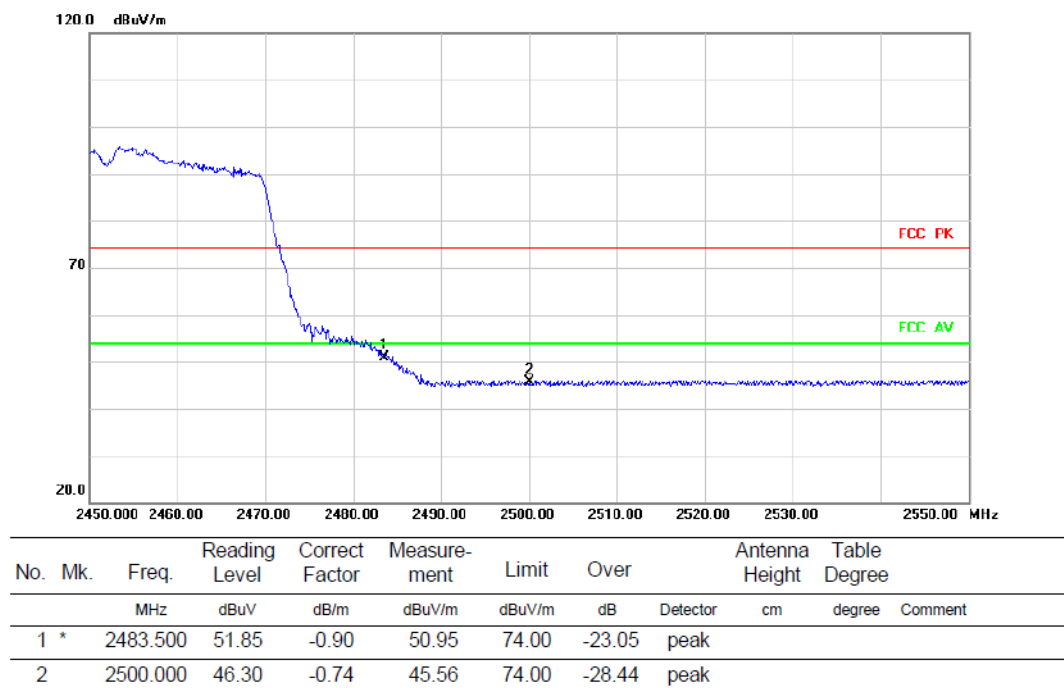
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		2483.500	63.74	-0.90	62.84	74.00	-11.16	peak		
2	*	2483.500	52.21	-0.90	51.31	54.00	-2.69	AVG		
3		2500.000	44.54	-0.74	43.80	74.00	-30.20	peak		

HORIZONTAL

Radiated Emission



Radiated Emission



The high frequency, which started from 18GHz to 25GHz, was pre-scanned and the result which was 20dB lower than the limit line was not recorded in this report.

3.3 Spurious Emission at Antenna Port

3.3.1 Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak Output Power limits. If the transmitter complies with the Output Power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

3.3.2 Test Procedure

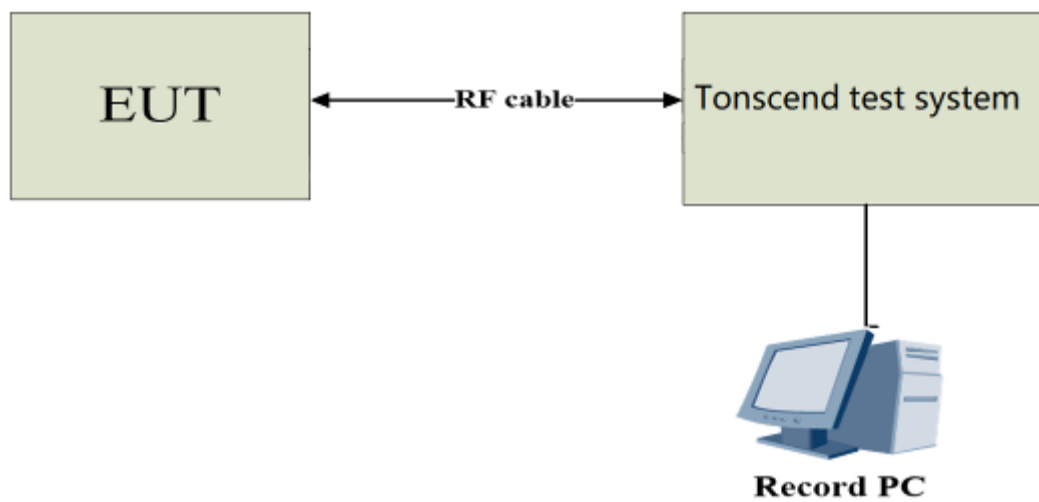
Test Method	
☒ Conducted Measurement	☐ Radiated Measurement
Test Channels	
☒ Lowest, Middle and Highest Channel	☐ Lowest and Highest Channel
Environmental conditions	
☒ Normal	☐ Normal and Extreme
Note: ☒ : Test ☐ : No Test	

a) The EUT was directly connected to the tonscond test system and antenna output port as show in the block diagram below.

b) Spectrum Setting as below:

Centre Frequency	The centre frequency of the channel under test
Spectrum Parameters	Setting
Start Frequency	30 MHz
Stop Frequency	26.5 GHz
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

3.3.3 Test Setup



3.3.4 The Result

Conducted Spurious Emission

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B-CDD	Ant1	2412	Reference	-3.89	-3.89	---	PASS
			30~1000	-3.89	-71.23	≤ -33.89	PASS
			1000~26500	-3.89	-48.9	≤ -33.89	PASS
	Ant2	2412	Reference	0.55	0.55	---	PASS
			30~1000	0.55	-69.41	≤ -29.45	PASS
			1000~26500	0.55	-48.56	≤ -29.45	PASS
	Ant1	2437	Reference	2.62	2.62	---	PASS
			30~1000	2.62	-69.81	≤ -27.38	PASS
			1000~26500	2.62	-48.52	≤ -27.38	PASS
	Ant2	2437	Reference	0.60	0.60	---	PASS
			30~1000	0.60	-68.04	≤ -29.4	PASS
			1000~26500	0.60	-47.92	≤ -29.4	PASS
	Ant1	2462	Reference	1.20	1.20	---	PASS
			30~1000	1.20	-69.92	≤ -28.8	PASS
			1000~26500	1.20	-46.01	≤ -28.8	PASS
	Ant2	2462	Reference	1.55	1.55	---	PASS
			30~1000	1.55	-69.97	≤ -28.45	PASS
			1000~26500	1.55	-48.94	≤ -28.45	PASS
11G-CDD	Ant1	2412	Reference	-2.14	-2.14	---	PASS
			30~1000	-2.14	-70.04	≤ -32.14	PASS
			1000~26500	-2.14	-48.69	≤ -32.14	PASS
	Ant2	2412	Reference	-1.66	-1.66	---	PASS
			30~1000	-1.66	-69.82	≤ -31.66	PASS
			1000~26500	-1.66	-49.09	≤ -31.66	PASS
	Ant1	2437	Reference	-1.72	-1.72	---	PASS
			30~1000	-1.72	-70.29	≤ -31.72	PASS
			1000~26500	-1.72	-49	≤ -31.72	PASS
	Ant2	2437	Reference	-1.97	-1.97	---	PASS
			30~1000	-1.97	-68.54	≤ -31.97	PASS
			1000~26500	-1.97	-48.95	≤ -31.97	PASS
	Ant1	2462	Reference	-1.25	-1.25	---	PASS
			30~1000	-1.25	-70.9	≤ -31.25	PASS
			1000~26500	-1.25	-47.35	≤ -31.25	PASS
	Ant2	2462	Reference	-3.55	-3.55	---	PASS
			30~1000	-3.55	-71.03	≤ -33.55	PASS
			1000~26500	-3.55	-48.93	≤ -33.55	PASS

11N20MIMO	Ant1	2412	Reference	-3.48	-3.48	---	PASS
			30~1000	-3.48	-70.58	≤ -33.48	PASS
			1000~26500	-3.48	-48.06	≤ -33.48	PASS
	Ant2	2412	Reference	-3.61	-3.61	---	PASS
			30~1000	-3.61	-71.05	≤ -33.61	PASS
			1000~26500	-3.61	-39.2	≤ -33.61	PASS
	Ant1	2437	Reference	-0.38	-0.38	---	PASS
			30~1000	-0.38	-70.23	≤ -30.38	PASS
			1000~26500	-0.38	-48.52	≤ -30.38	PASS
	Ant2	2437	Reference	-3.35	-3.35	---	PASS
			30~1000	-3.35	-70.5	≤ -33.35	PASS
			1000~26500	-3.35	-48.83	≤ -33.35	PASS
	Ant1	2462	Reference	2.03	2.03	---	PASS
			30~1000	2.03	-71.46	≤ -27.97	PASS
			1000~26500	2.03	-48.52	≤ -27.97	PASS
11N40MIMO	Ant1	2422	Reference	-3.39	-3.39	---	PASS
			30~1000	-3.39	-70.53	≤ -33.39	PASS
			1000~26500	-3.39	-48.28	≤ -33.39	PASS
	Ant2	2422	Reference	-5.93	-5.93	---	PASS
			30~1000	-5.93	-71.37	≤ -35.93	PASS
			1000~26500	-5.93	-49.08	≤ -35.93	PASS
	Ant1	2437	Reference	-4.54	-4.54	---	PASS
			30~1000	-4.54	-70.64	≤ -34.54	PASS
			1000~26500	-4.54	-48.75	≤ -34.54	PASS
	Ant2	2437	Reference	-5.71	-5.71	---	PASS
			30~1000	-5.71	-70.76	≤ -35.71	PASS
			1000~26500	-5.71	-47.75	≤ -35.71	PASS
	Ant1	2452	Reference	-3.96	-3.96	---	PASS
			30~1000	-3.96	-70.58	≤ -33.96	PASS
			1000~26500	-3.96	-48.29	≤ -33.96	PASS
11AX20MIMO	Ant1	2412	Reference	-1.79	-1.79	---	PASS
			30~1000	-1.79	-69.95	≤ -31.79	PASS
			1000~26500	-1.79	-48.38	≤ -31.79	PASS
	Ant2	2412	Reference	-3.77	-3.77	---	PASS
			30~1000	-3.77	-71.69	≤ -33.77	PASS
			1000~26500	-3.77	-48.55	≤ -33.77	PASS

	Ant1	2437	Reference	-0.29	-0.29	---	PASS
			30~1000	-0.29	-71.01	≤ -30.29	PASS
			1000~26500	-0.29	-47.92	≤ -30.29	PASS
	Ant2	2437	Reference	-2.16	-2.16	---	PASS
			30~1000	-2.16	-70.46	≤ -32.16	PASS
			1000~26500	-2.16	-48.52	≤ -32.16	PASS
	Ant1	2462	Reference	0.05	0.05	---	PASS
			30~1000	0.05	-69.29	≤ -29.95	PASS
			1000~26500	0.05	-44.46	≤ -29.95	PASS
	Ant2	2462	Reference	-3.55	-3.55	---	PASS
			30~1000	-3.55	-71.3	≤ -33.55	PASS
			1000~26500	-3.55	-48.71	≤ -33.55	PASS
11AX40MIMO	Ant1	2422	Reference	-4.35	-4.35	---	PASS
			30~1000	-4.35	-70.7	≤ -34.35	PASS
			1000~26500	-4.35	-48.89	≤ -34.35	PASS
	Ant2	2422	Reference	-7.05	-7.05	---	PASS
			30~1000	-7.05	-71.1	≤ -37.05	PASS
			1000~26500	-7.05	-48.8	≤ -37.05	PASS
	Ant1	2437	Reference	-3.74	-3.74	---	PASS
			30~1000	-3.74	-71.19	≤ -33.74	PASS
			1000~26500	-3.74	-48.35	≤ -33.74	PASS
	Ant2	2437	Reference	-6.08	-6.08	---	PASS
			30~1000	-6.08	-70.9	≤ -36.08	PASS
			1000~26500	-6.08	-48.45	≤ -36.08	PASS
	Ant1	2452	Reference	-4.44	-4.44	---	PASS
			30~1000	-4.44	-69.38	≤ -34.44	PASS
			1000~26500	-4.44	-48.06	≤ -34.44	PASS
	Ant2	2452	Reference	-6.06	-6.06	---	PASS
			30~1000	-6.06	-69.62	≤ -36.06	PASS
			1000~26500	-6.06	-48.37	≤ -36.06	PASS

11B-CDD_Ant1_2412_0~Reference



11B-CDD_Ant1_2412_30~1000



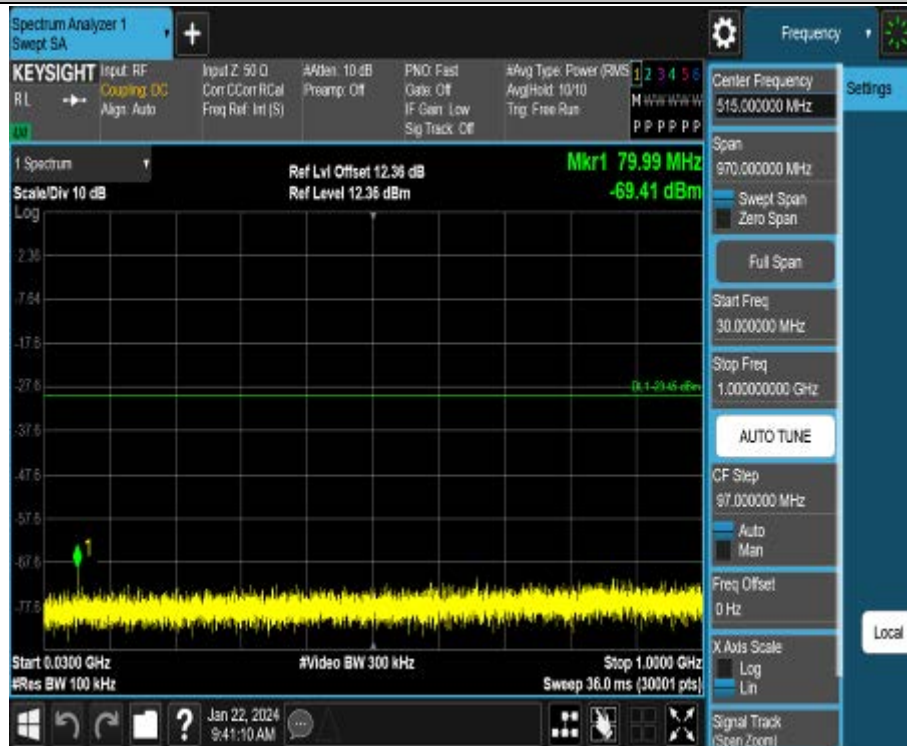
11B-CDD_Ant1_2412_1000~26500



11B-CDD_Ant2_2412_0~Reference



11B-CDD_Ant2_2412_30~1000



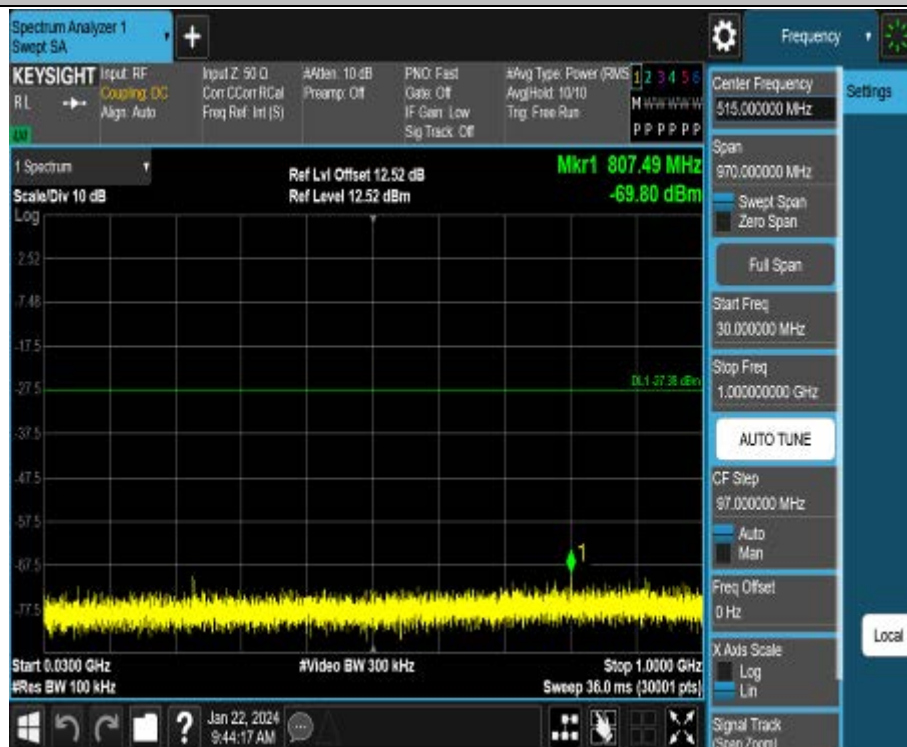
11B-CDD_Ant2_2412_1000~26500



11B-CDD_Ant1_2437_0~Reference



11B-CDD_Ant1_2437_30~1000



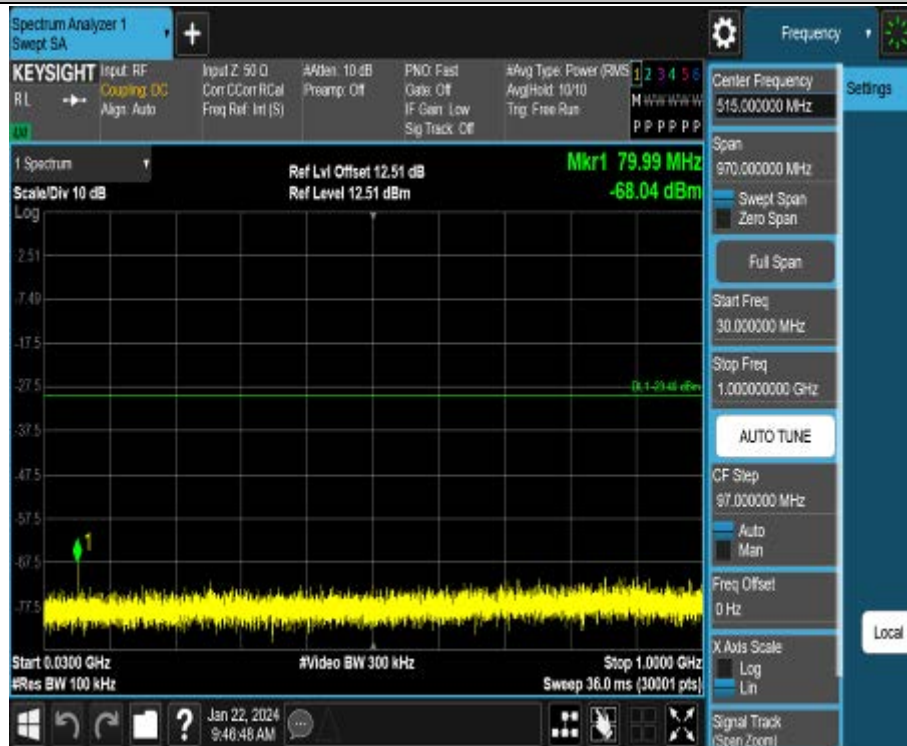
11B-CDD_Ant1_2437_1000~26500



11B-CDD_Ant2_2437_0~Reference



11B-CDD_Ant2_2437_30~1000



11B-CDD_Ant2_2437_1000~26500



11B-CDD_Ant1_2462_0~Reference



11B-CDD_Ant1_2462_30~1000



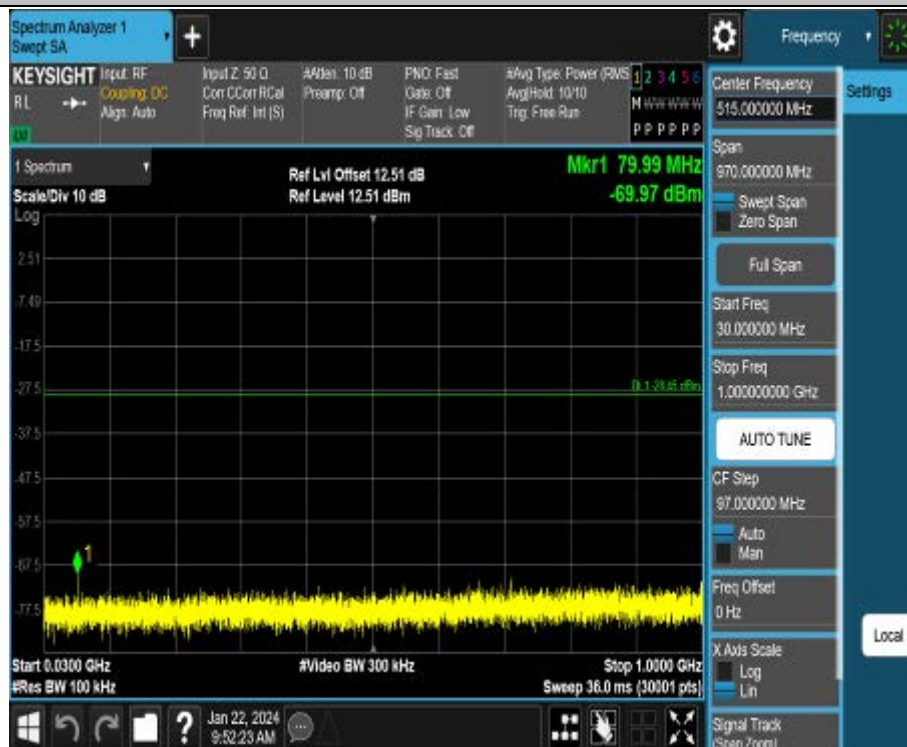
11B-CDD_Ant1_2462_1000~26500



11B-CDD_Ant2_2462_0~Reference



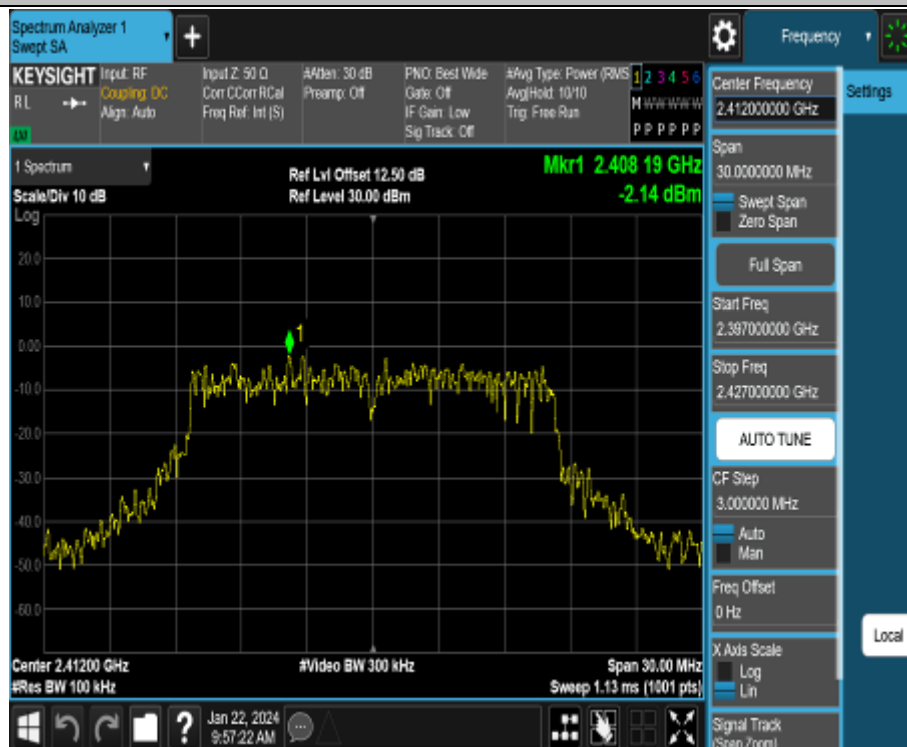
11B-CDD_Ant2_2462_30~1000



11B-CDD_Ant2_2462_1000~26500



11G-CDD_Ant1_2412_0~Reference



11G-CDD_Ant1_2412_30~1000



11G-CDD_Ant1_2412_1000~26500



11G-CDD_Ant2_2412_0~Reference



11G-CDD_Ant2_2412_30~1000



11G-CDD_Ant2_2412_1000~26500



11G-CDD_Ant1_2437_0~Reference



11G-CDD_Ant1_2437_30~1000



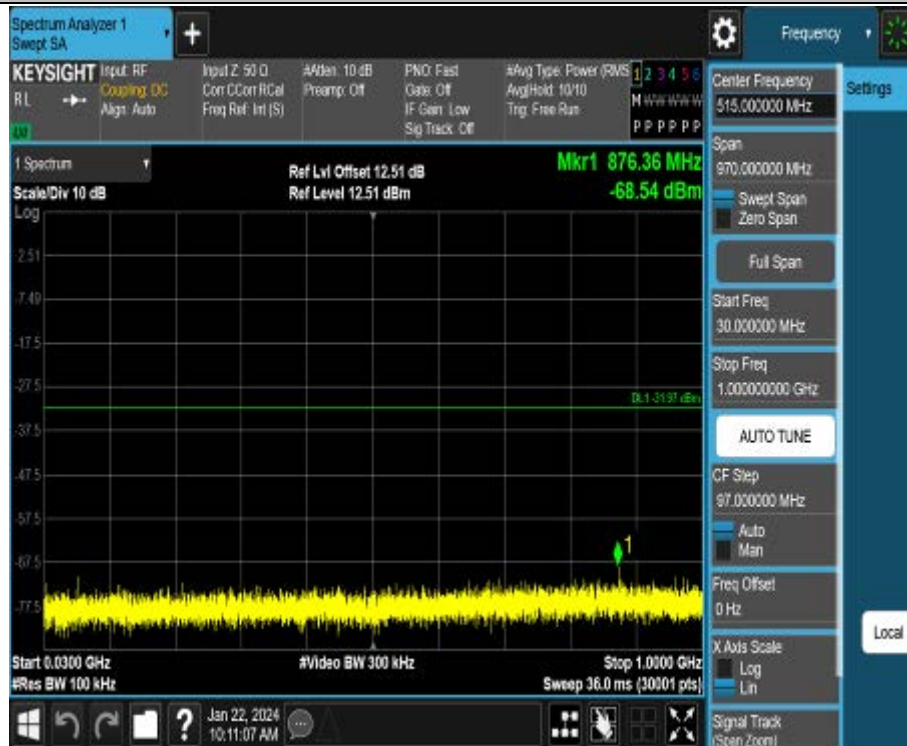
11G-CDD_Ant1_2437_1000~26500



11G-CDD_Ant2_2437_0~Reference



11G-CDD_Ant2_2437_30~1000



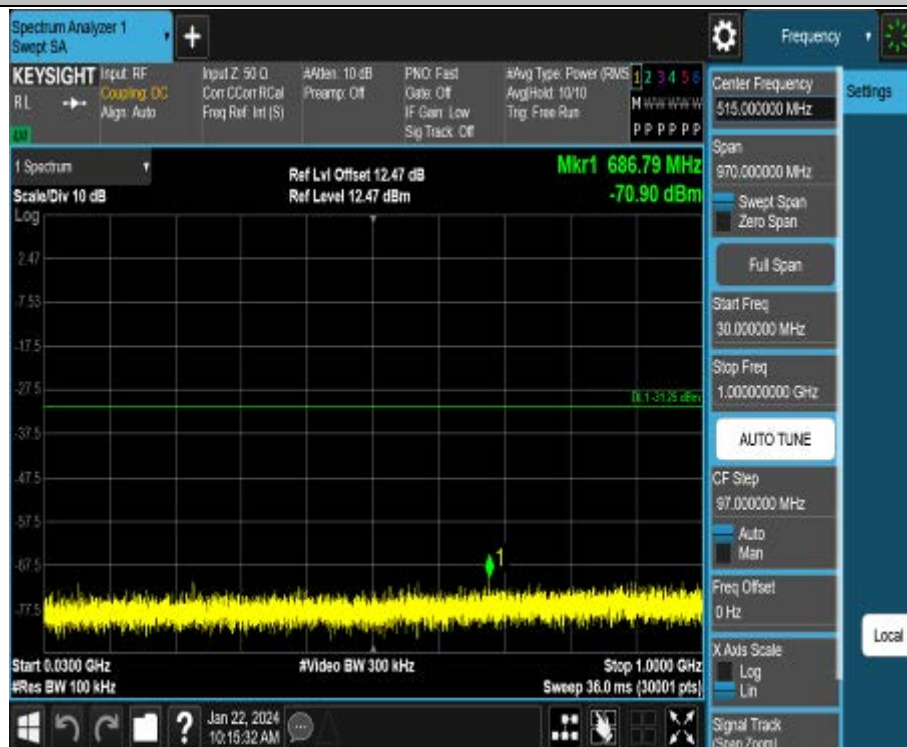
11G-CDD_Ant2_2437_1000~26500



11G-CDD_Ant1_2462_0~Reference



11G-CDD_Ant1_2462_30~1000



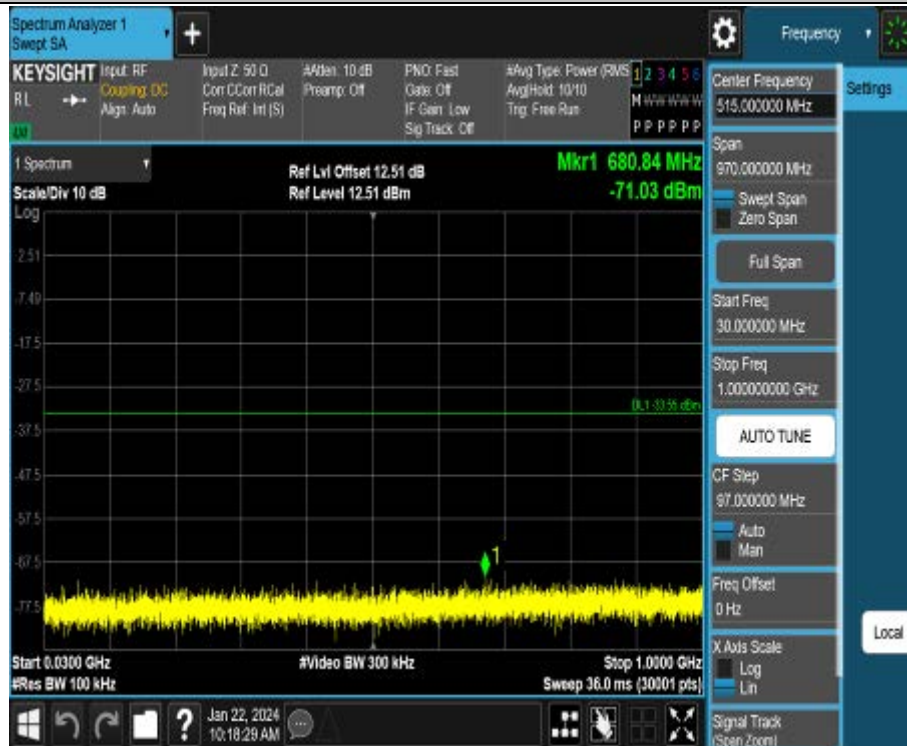
11G-CDD_Ant1_2462_1000~26500



11G-CDD_Ant2_2462_0~Reference



11G-CDD_Ant2_2462_30~1000



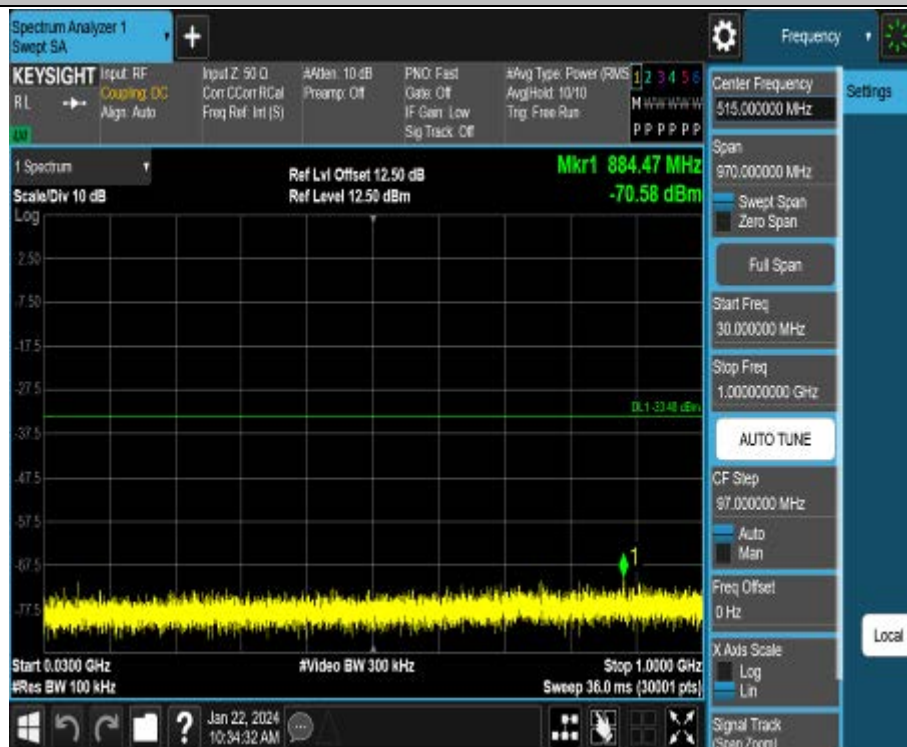
11G-CDD_Ant2_2462_1000~26500



11N20MIMO_Ant1_2412_0~Reference



11N20MIMO_Ant1_2412_30~1000



11N20MIMO_Ant1_2412_1000~26500



11N20MIMO_Ant2_2412_0~Reference



11N20MIMO_Ant2_2412_30~1000



11N20MIMO_Ant2_2412_1000~26500



11N20MIMO_Ant1_2437_0~Reference



11N20MIMO_Ant1_2437_30~1000



11N20MIMO_Ant1_2437_1000~26500



11N20MIMO_Ant2_2437_0~Reference



11N20MIMO_Ant2_2437_30~1000



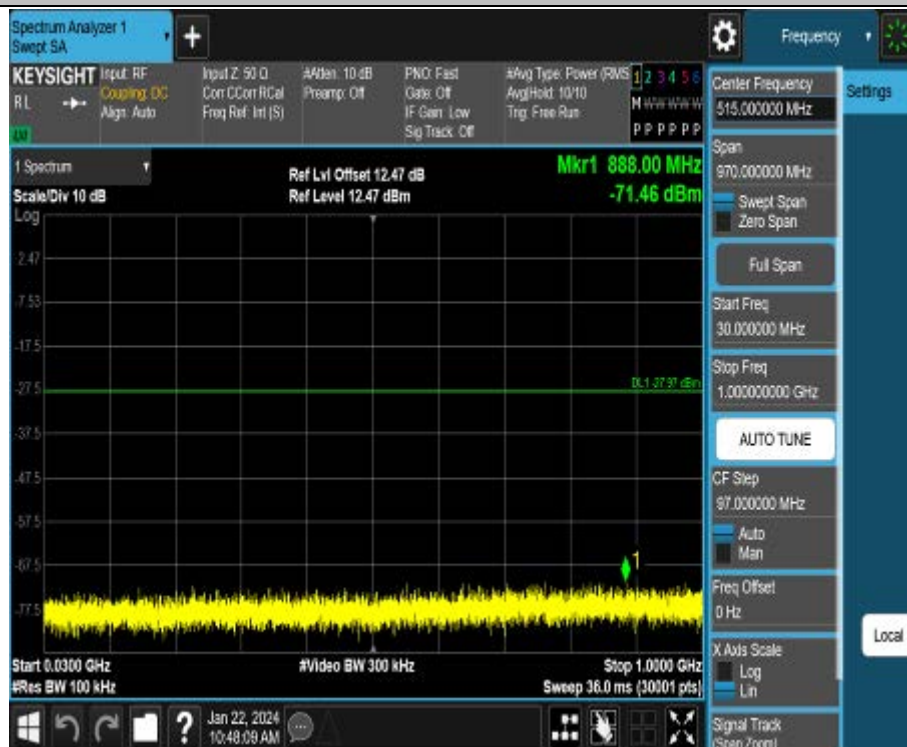
11N20MIMO_Ant2_2437_1000~26500



11N20MIMO_Ant1_2462_0~Reference



11N20MIMO_Ant1_2462_30~1000



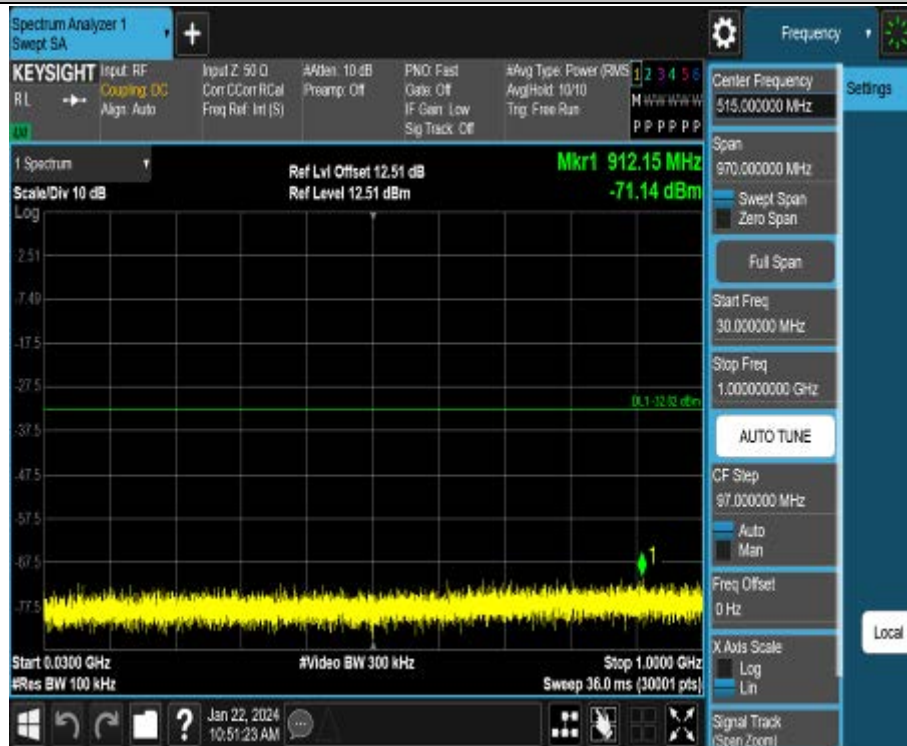
11N20MIMO_Ant1_2462_1000~26500



11N20MIMO_Ant2_2462_0~Reference



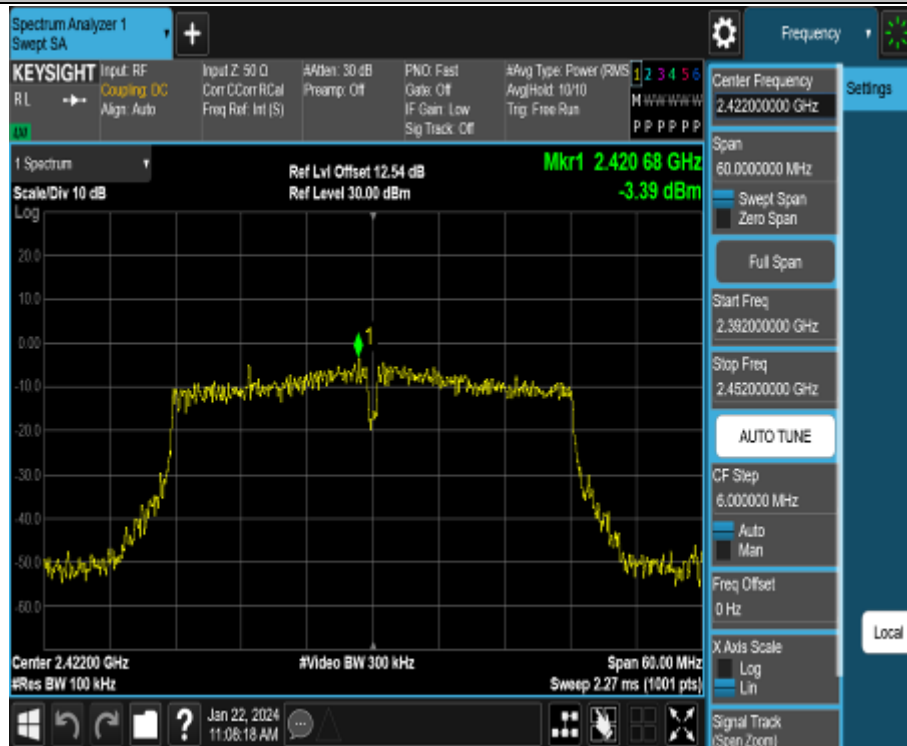
11N20MIMO_Ant2_2462_30~1000



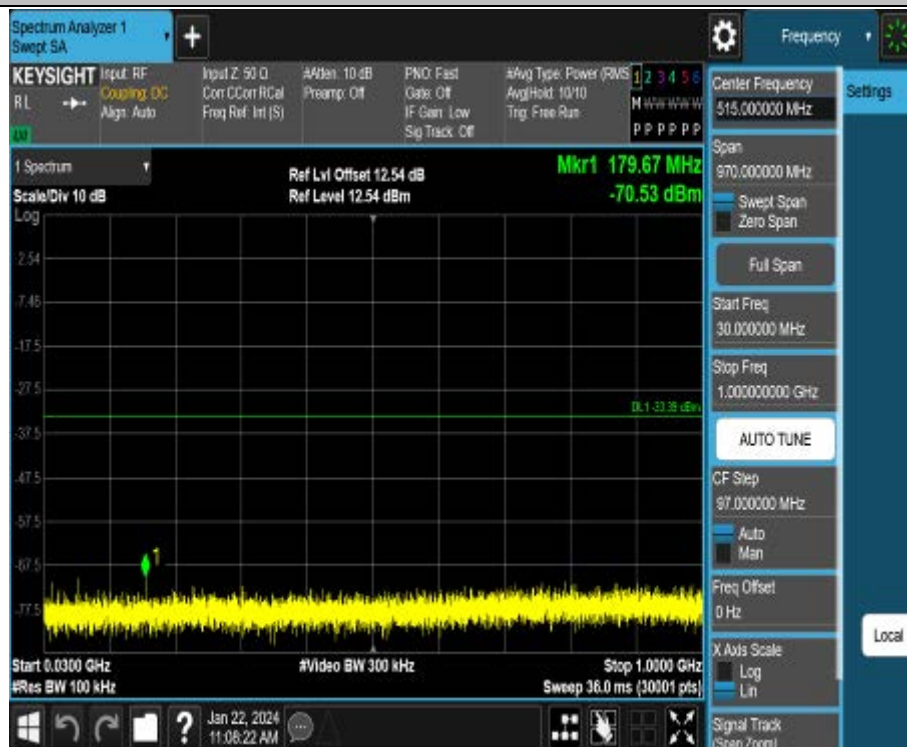
11N20MIMO_Ant2_2462_1000~26500



11N40MIMO_Ant1_2422_0~Reference



11N40MIMO_Ant1_2422_30~1000



11N40MIMO_Ant1_2422_1000~26500



11N40MIMO_Ant2_2422_0~Reference



11N40MIMO_Ant2_2422_30~1000



11N40MIMO_Ant2_2422_1000~26500



11N40MIMO_Ant1_2437_0~Reference



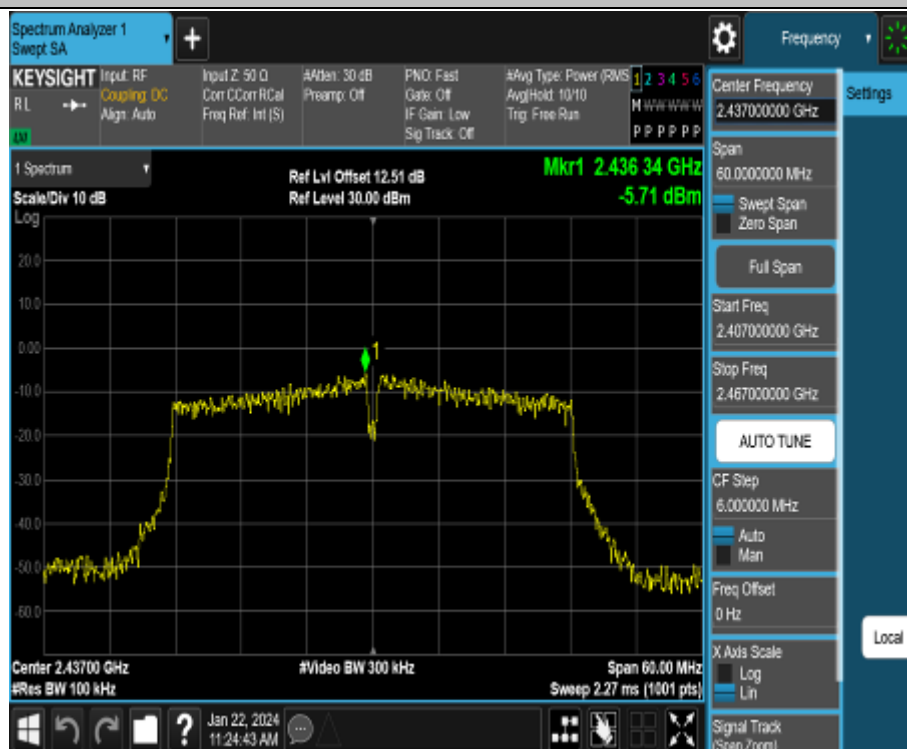
11N40MIMO_Ant1_2437_30~1000



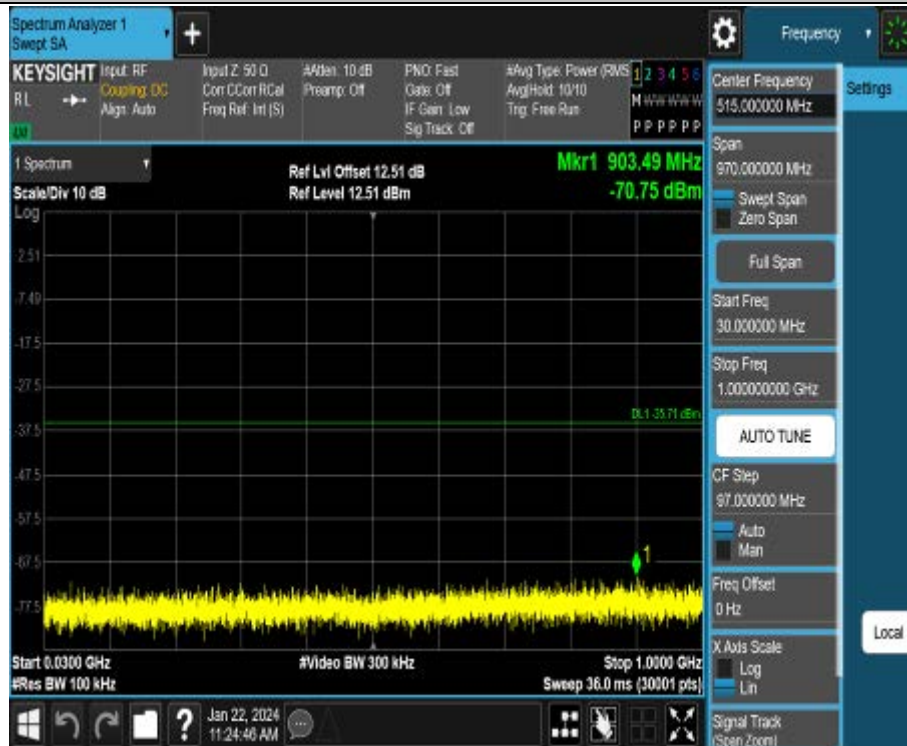
11N40MIMO_Ant1_2437_1000~26500



11N40MIMO_Ant2_2437_0~Reference



11N40MIMO_Ant2_2437_30~1000



11N40MIMO_Ant2_2437_1000~26500



11N40MIMO_Ant1_2452_0~Reference



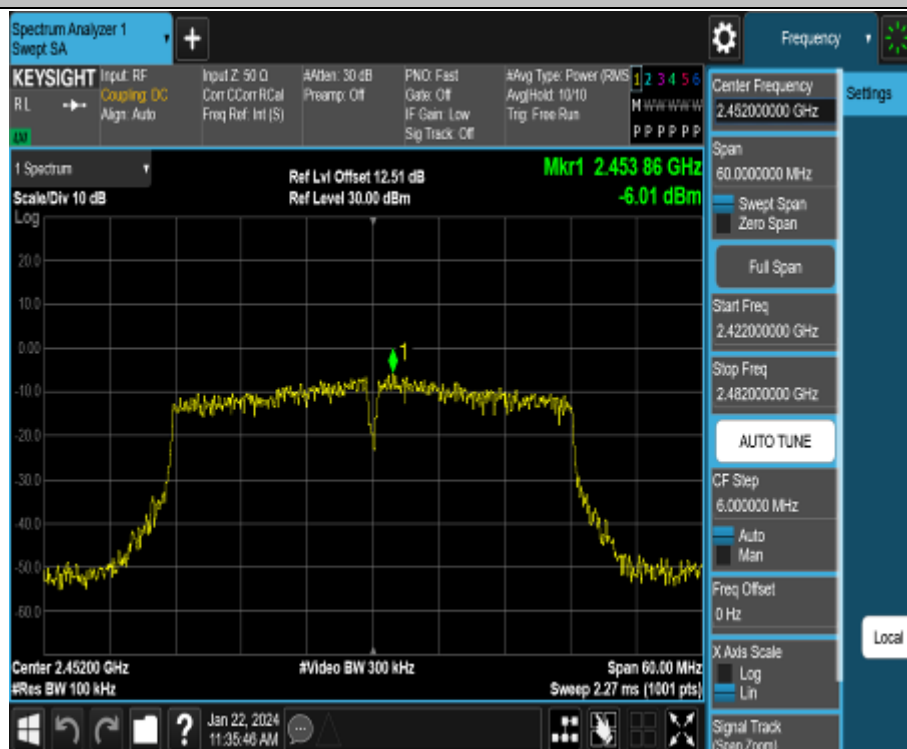
11N40MIMO_Ant1_2452_30~1000



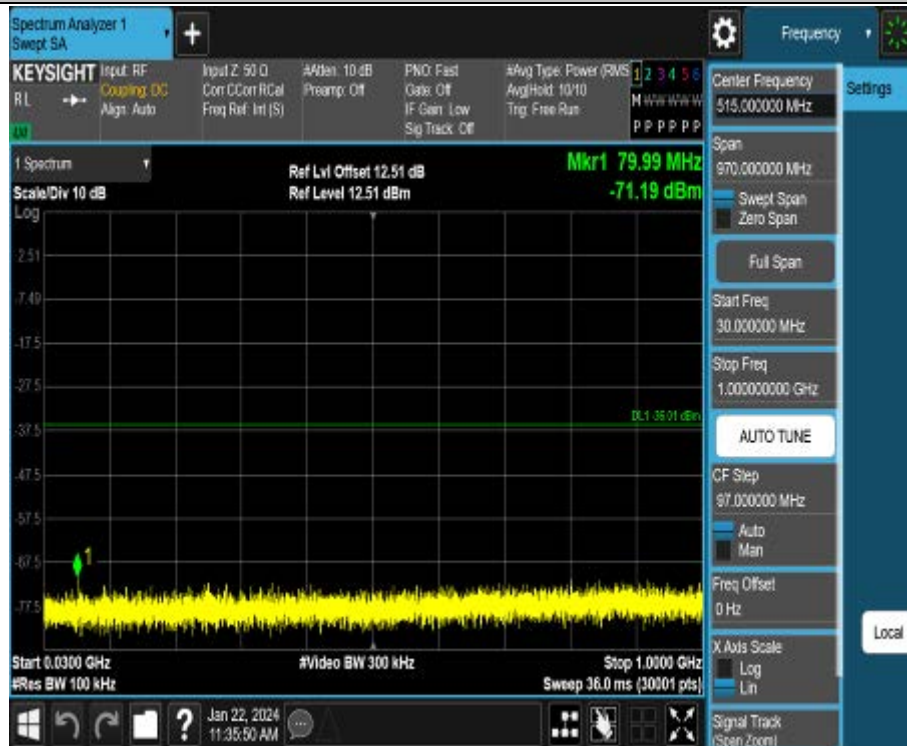
11N40MIMO_Ant1_2452_1000~26500



11N40MIMO_Ant2_2452_0~Reference



11N40MIMO_Ant2_2452_30~1000



11N40MIMO_Ant2_2452_1000~26500



11AX20MIMO_Ant1_2412_0~Reference



11AX20MIMO_Ant1_2412_30~1000



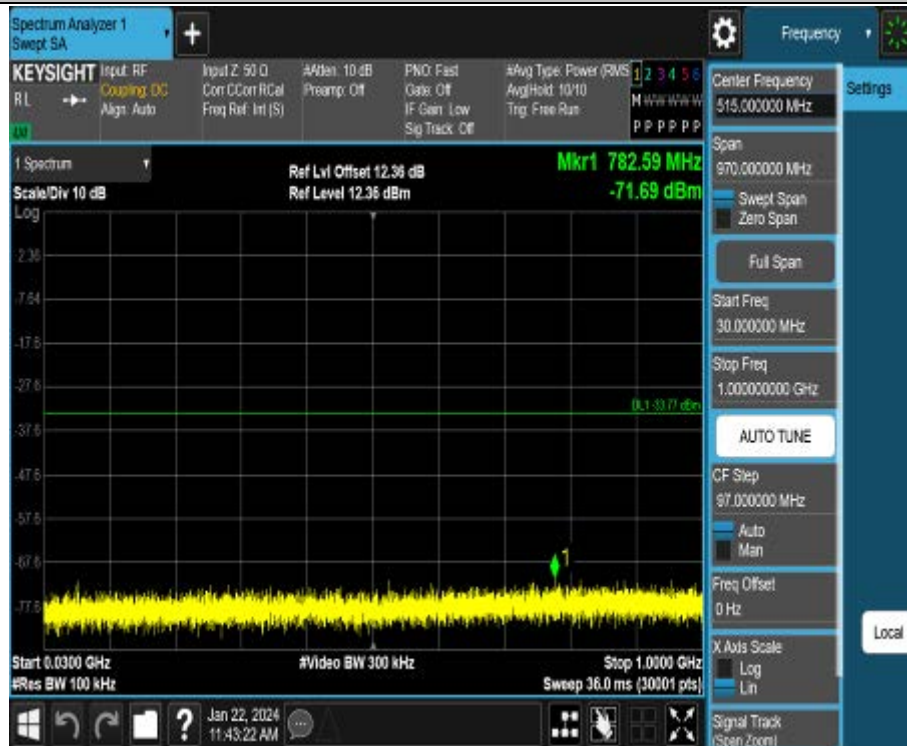
11AX20MIMO_Ant1_2412_1000~26500



11AX20MIMO_Ant2_2412_0~Reference



11AX20MIMO_Ant2_2412_30~1000



11AX20MIMO_Ant2_2412_1000~26500



11AX20MIMO_Ant1_2437_0-Reference



11AX20MIMO_Ant1_2437_30-1000



11AX20MIMO_Ant1_2437_1000~26500



11AX20MIMO_Ant2_2437_0~Reference



11AX20MIMO_Ant2_2437_30~1000



11AX20MIMO_Ant2_2437_1000~26500



11AX20MIMO_Ant1_2462_0~Reference



11AX20MIMO_Ant1_2462_30~1000

