

RF TEST REPORT

FCC ID: 2BCFY-HT580

Test Report No.....: RF240130006-01-001
 Product(s) Name.....: XGSPON Gateway
 Model(s).....: HT-580AXT, HT-580AET
 Trade Mark.....: HEIGHTS
 Applicant.....: Heights Telecom T LTD
 Address.....: Ha-Sakhlav 6, Iruv, 7680900, Israel
 Receipt Date.....: 2024.02.01
 Test Date.....: 2024.02.02~2024.03.16
 Issued Date.....: 2024.03.22
 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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History of this test report

Original Report Issue Date: 2024.03.22

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

Attachment No.	Issue Date	Description

1. General Information

1.1 Applicant

Heights Telecom T LTD

Ha-Sakhlav 6, Irus, 7680900, Israel

1.2 Manufacturer

Heights Telecom T LTD

Ha-Sakhlav 6, Irus, 7680900, Israel

1.3 Basic Description of Equipment Under Test

Product No.	POC240130006-S001, POC240130006-S002	
Equipment Name	XGSPON Gateway	
Model Name	HT-580AXT, HT-580AET	
Model difference	Only WAN port and optical fiber port part of the circuit is different	
Trade Mark	HEIGHTS	
Power Supply	DC 12V from adapter	
Adapter Information	Model: SOY-1200350US-056 Input: 100-240V~ 50/60Hz 1.2A Max Output: 12V $\overline{\text{---}}$ 3.5A	
Operate temperature	0°C-45°C	
EUT Stage	○ Product Unit	● Final-Sample
Operating Band and Conducted Output Power (Max power)	2400MHz ~ 2483.5MHz	●IEEE 802.11n20:29.05Bm(0.804W)
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 IEEE 802.11g: OFDM IEEE 802.11n: OFDM IEEE 802.11ax: OFDMA	
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 11n mode : up to 600 IEEE 802.11ax mode: up to 1147.1	
Antenna gain	Ant1: 3.40dBi, Ant2: 3.70dBi, Ant3: 3.70dBi, Ant4: 3.80dBi	
Directional gain	1.85dBi(from the antenna report)	
Antenna type	PCB antenna	

Eleven channels are provided for 802.11b, 802.11g, 802.11n20, 802.11ax20:

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 802.11n40MHz, 802.11ax40:

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	☒	4TX
☒	802.11g	Operating mode	☐	1TX	☐	2TX	☐	3TX	☒	4TX
☒	802.11n(20MHz)	Operating mode	☐	1TX	☐	2TX	☐	3TX	☒	4TX
☒	802.11n(40MHz)	Operating mode	☐	1TX	☐	2TX	☐	3TX	☒	4TX
☒	802.11ax(20MHz)	Operating mode	☐	1TX	☐	2TX	☐	3TX	☒	4TX
☒	802.11ax(40MHz)	Operating mode	☐	1TX	☐	2TX	☐	3TX	☒	4TX
Beam forming gain: 1.5dB										

Beam forming gain: 1.5dB

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 4 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	MXA Signal Analyzer	Keysight	N9010A	MY51440158	2023/4/22	2024/4/21
3	Log periodic antenna	Schwarzbeck	VULB 9168	1151	2023/5/4	2024/5/3
4	Low frequency amplifier	/	LNA 0920N	2014	2023/5/3	2024/5/2
5	High frequency amplifier	Schwarzbeck	BBV 9718	284	2023/5/3	2024/5/2
6	Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1273	2023/5/4	2024/5/3
7	Temp&Humidity Recorder	Meideshi	JR900	/	2023/5/3	2024/5/2
8	Horn Antenna	SCHWARZBECK	BBHA 9170	9170#685	2023/7/16	2024/7/15
9	Loop Antenna	SCHWARZBECK	FMZB1519 B	00029	2023/7/16	2024/7/15
10	Broadband preamplifier	Schwarzbeck	BBV9721	9721-019	2023/5/3	2024/5/2
13	Test software	Farad Technology Co., Ltd	EZ-EMC Ver.TW-03A2			
Conducted Emission						
1	LISN	Rohde&Schwarz	ENV216	100075	2023/5/3	2024/5/2
2	ISN	Schwarzbeck	CATE 5 8158	#171	2023/5/3	2024/5/2
3	ISN	Schwarzbeck	CAT 3 8158	00187	2023/4/1	2024/3/31
4	Test receiver	Rohde&Schwarz	ESCI	100718	2023/5/3	2024/5/2
5	Pulse limiter	Rohde&Schwarz	ESH3-Z2	102299	2023/5/3	2024/5/2
6	Temp&Humidity Recorder	Meideshi	JR900	/	2023/5/3	2024/5/2
7	Test software	Farad Technology Co., Ltd	EZ-EMC Ver.TW-03A2			
RF Conducted Emission						
1	MXA Signal Analyzer	Keysight	N9021B	MY60080169	2023/4/23	2024/4/22
2	RF Control Unit	dsusoft	JS0806-2	21G8060449	2023/4/23	2024/4/22
3	power supply unit	dsusoft	JS0806-4ADC	N/A	2023/4/23	2024/4/22
4	VXG Signal Generator	Keysight	M9384B	MY61270787	2023/4/23	2024/4/22
5	EXG Analog Signal Generator	Keysight	N5173B	MY59101282	2023/4/23	2024/4/22
6	Wideband Radio Communication Tester	Rohde&Schwarz	CMW500	1201.0002 K50-116064-Dt	2023/4/23	2024/4/22
7	Test software	dsusoft	JS1120-3 Ver.3.2.22.0			

2.4 Test Mode

Test Items	Mode	Data Rate	Channel
AC Power Conducted Emission	802.11N20MIMO	MCS0	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

Note: For AC Power Conducted Emission and Radiated Emission below 1GHz, only worst case was recorded.

2.5 Test Condition

Applicable to	Environmental conditions	Input Power	Tested by
AC Power Conducted Emission	23.7°C, 49% RH	AC 120V/60Hz	Albert Fan
Radiated Emission and Band Edge Measurement	23.3°C, 52% RH	AC 120V/60Hz	Albert Fan
Spurious Emission at Antenna Port	23.5°C, 50% RH	DC 12V	Henry Huang
6dB Bandwidth	23.5°C, 50% RH	DC 12V	Henry Huang
Maximum Conducted Power	23.5°C, 50% RH	DC 12V	Henry Huang
Power Spectral Density	23.5°C, 50% 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

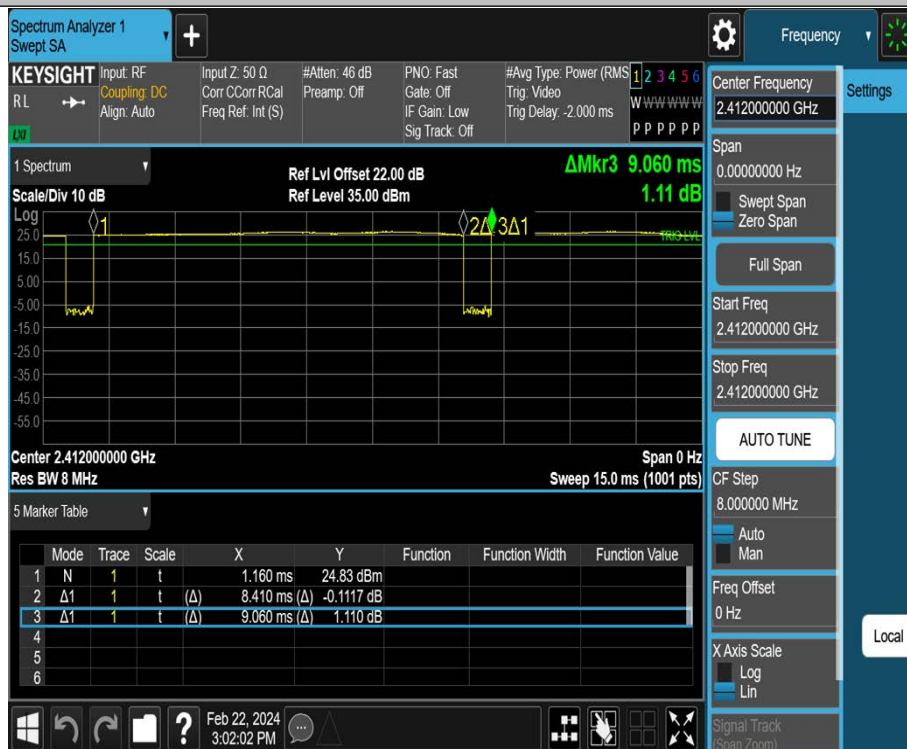
If duty cycle is $\geq 98\%$, duty factor is not required.

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	8.41	9.06	92.83
11G-CDD	2412	0.13	0.23	56.52
11N20MIMO	2412	0.14	0.24	58.33
11N40MIMO	2422	0.12	0.22	54.55
11AX20MIMO	2412	0.33	0.35	94.29
11AX40MIMO	2422	0.31	0.34	91.18

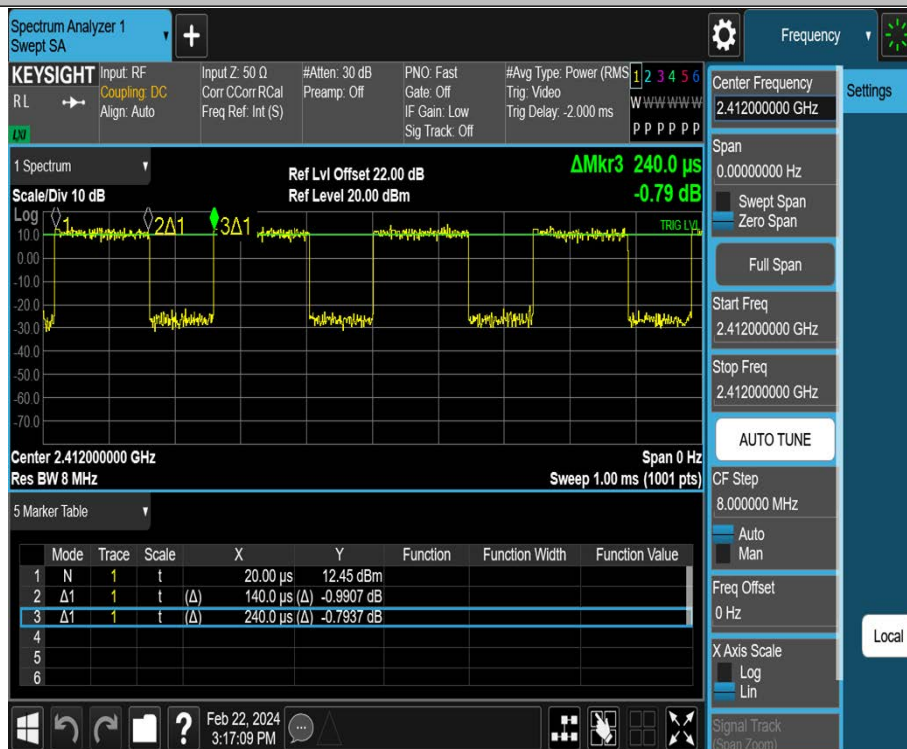
11B-CDD_2412



11G-CDD_Ant1_2412



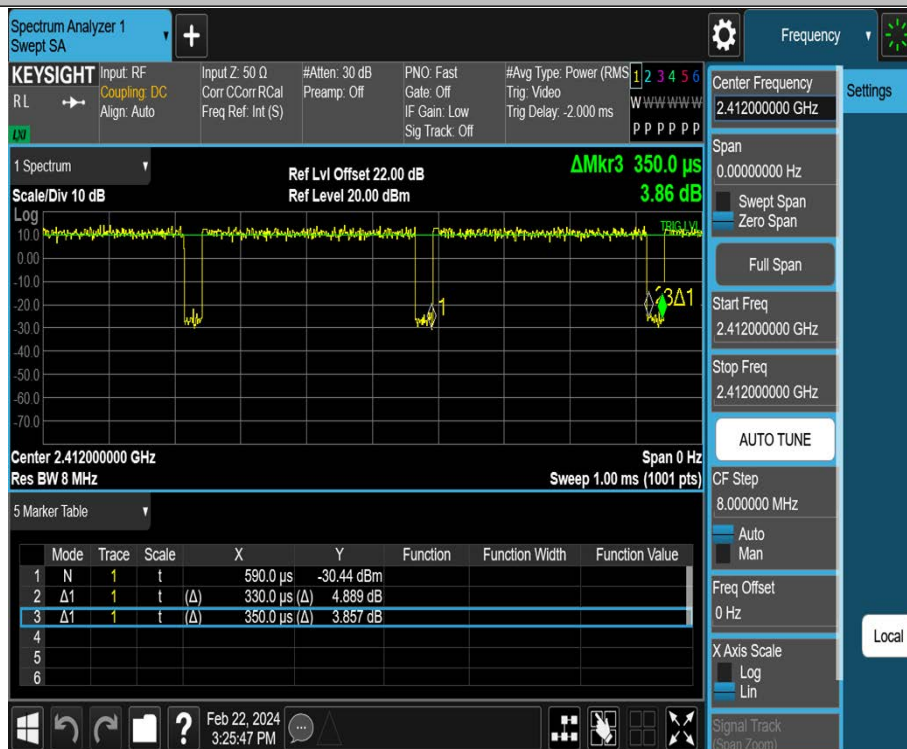
11N20MIMO_2412



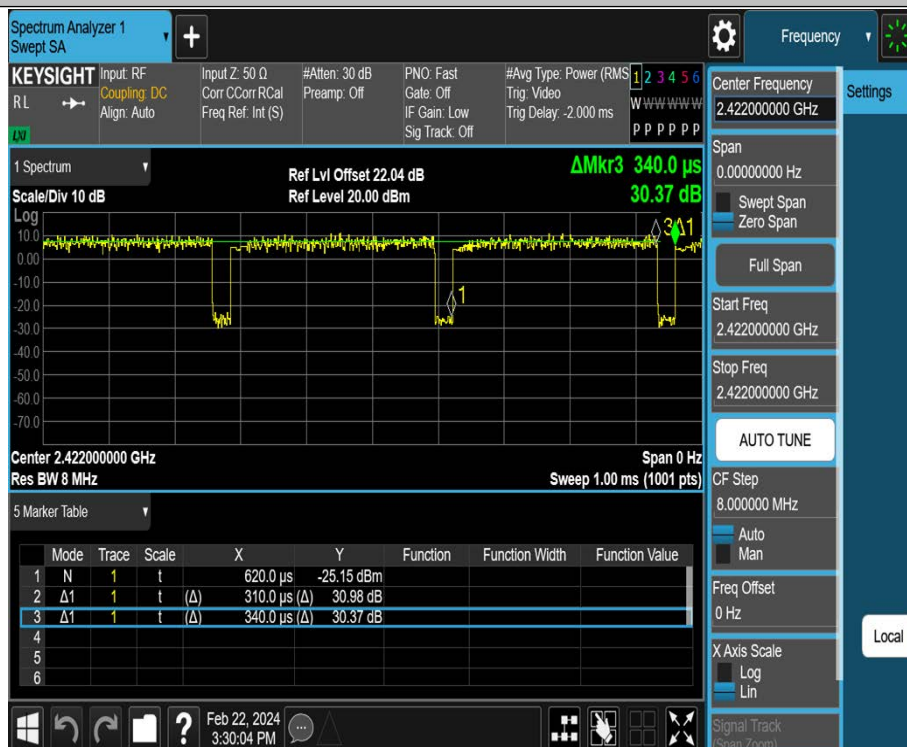
11N40MIMO_2422



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

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.

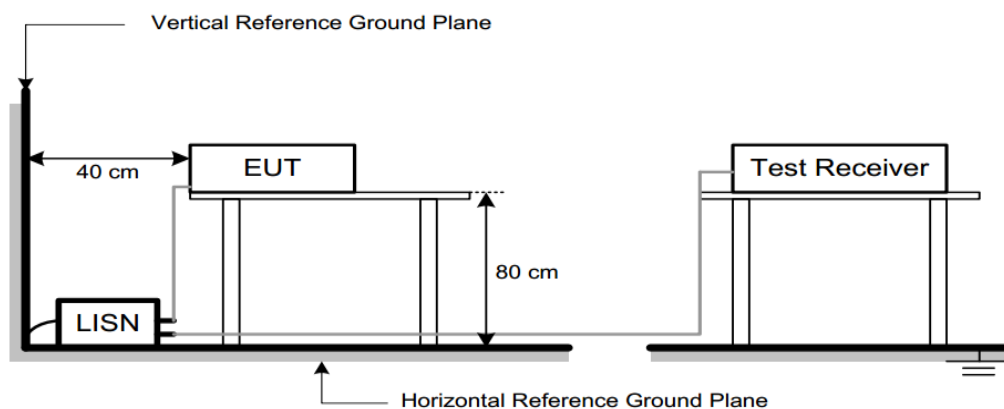
3.1.2 Test Procedure

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:

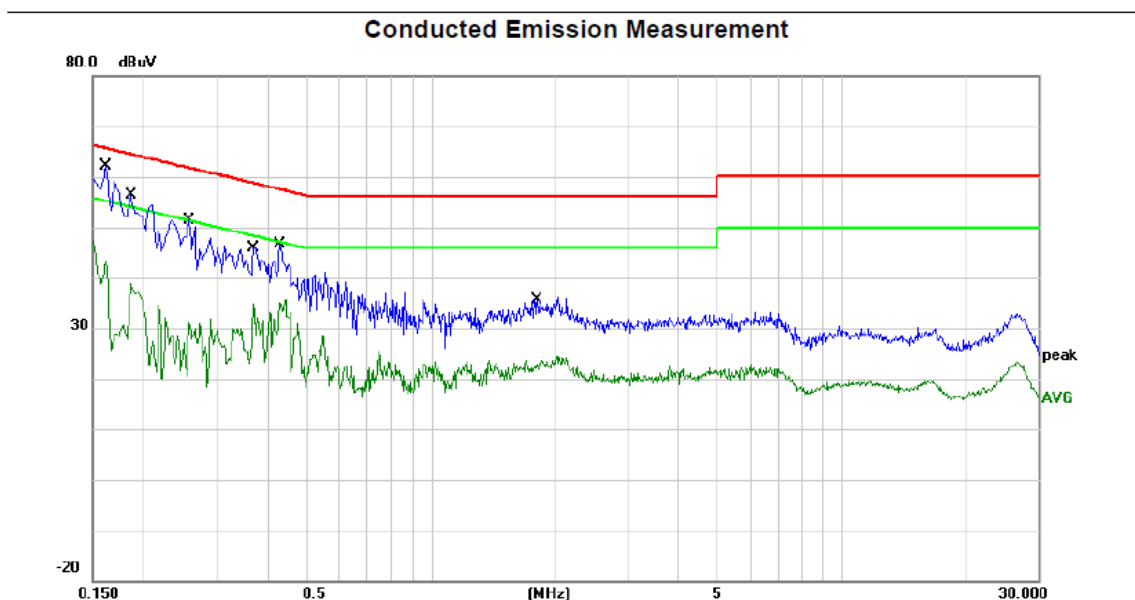
1. Correct Factor = LISN Factor + Cable Loss + Pulse Limiter Factor, the value was added to Original Receiver Reading by the software automatically.
2. Measurement = Reading + Correct Factor.
3. Over = Measurement – Limit

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

HT-580AXT:

150kHz~30MHz	Worst Case Operating Mode: 11N20MIMO Channel 6
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Line



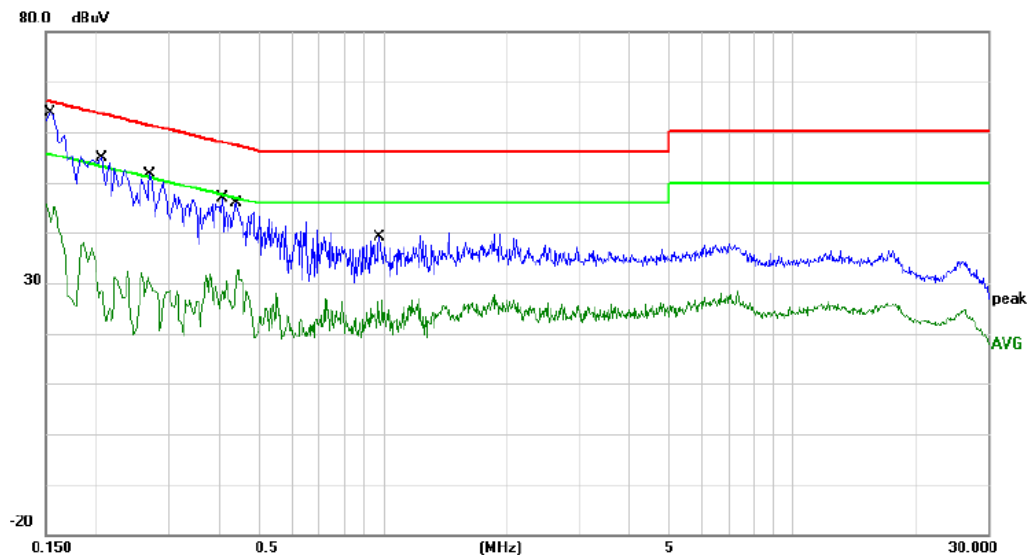
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1620	34.62	20.09	54.71	65.36	-10.65	QP	
2		0.1620	14.87	20.09	34.96	55.36	-20.40	AVG	
3		0.1860	31.58	20.05	51.63	64.21	-12.58	QP	
4		0.1860	13.96	20.05	34.01	54.21	-20.20	AVG	
5		0.2580	22.54	20.01	42.55	61.50	-18.95	QP	
6		0.2580	7.21	20.01	27.22	51.50	-24.28	AVG	
7		0.3700	17.79	20.15	37.94	58.50	-20.56	QP	
8		0.3700	6.80	20.15	26.95	48.50	-21.55	AVG	
9		0.4300	18.91	20.32	39.23	57.25	-18.02	QP	
10		0.4300	8.83	20.32	29.15	47.25	-18.10	AVG	
11		1.8180	8.80	20.11	28.91	56.00	-27.09	QP	
12		1.8180	2.09	20.11	22.20	46.00	-23.80	AVG	

150kHz~30MHz

Worst Case Operating Mode: 11N20MIMO Channel 6

Neutral

Conducted Emission Measurement



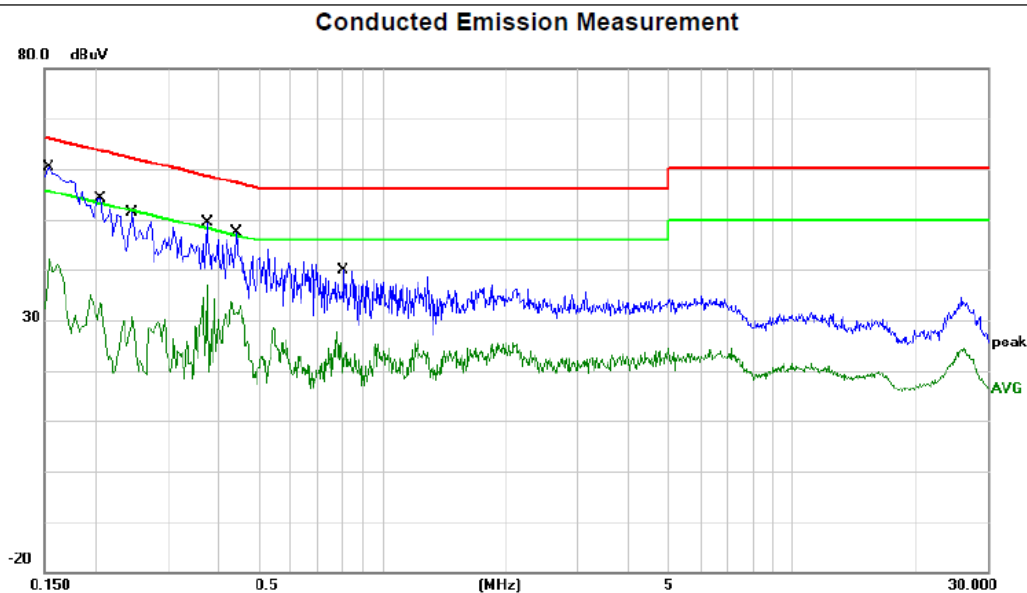
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1540	37.60	20.29	57.89	65.78	-7.89	QP	
2		0.1540	21.59	20.29	41.88	55.78	-13.90	AVG	
3		0.2060	25.78	20.31	46.09	63.37	-17.28	QP	
4		0.2060	4.60	20.31	24.91	53.37	-28.46	AVG	
5		0.2700	21.50	20.07	41.57	61.12	-19.55	QP	
6		0.2700	7.07	20.07	27.14	51.12	-23.98	AVG	
7		0.4060	14.80	20.23	35.03	57.73	-22.70	QP	
8		0.4060	4.37	20.23	24.60	47.73	-23.13	AVG	
9		0.4380	17.09	20.16	37.25	57.10	-19.85	QP	
10		0.4380	7.56	20.16	27.72	47.10	-19.38	AVG	
11		0.9820	11.66	20.01	31.67	56.00	-24.33	QP	
12		0.9820	2.65	20.01	22.66	46.00	-23.34	AVG	

HT-580AET:

150kHz~30MHz

Worst Case Operating Mode: 11N20MIMO Channel 6

Line



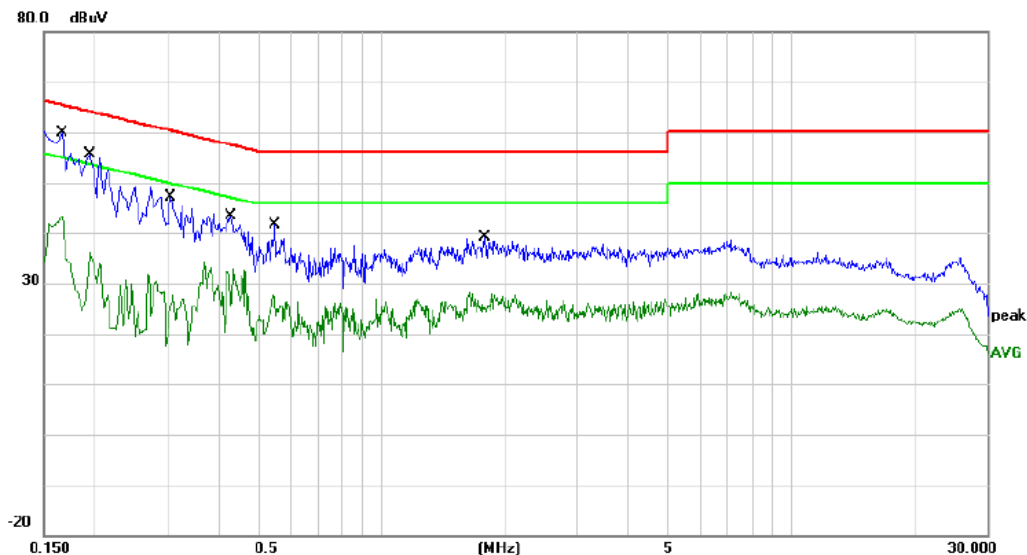
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.1540	35.57	20.06	55.63	65.78	-10.15	QP	
2		0.1540	15.25	20.06	35.31	55.78	-20.47	AVG	
3		0.2060	27.53	19.99	47.52	63.37	-15.85	QP	
4		0.2060	9.94	19.99	29.93	53.37	-23.44	AVG	
5		0.2460	22.48	19.98	42.46	61.89	-19.43	QP	
6		0.2460	5.23	19.98	25.21	51.89	-26.68	AVG	
7		0.3740	19.48	20.18	39.66	58.41	-18.75	QP	
8		0.3740	8.37	20.18	28.55	48.41	-19.86	AVG	
9		0.4420	17.58	20.29	37.87	57.02	-19.15	QP	
10		0.4420	7.11	20.29	27.40	47.02	-19.62	AVG	
11		0.8060	9.99	20.28	30.27	56.00	-25.73	QP	
12		0.8060	1.32	20.28	21.60	46.00	-24.40	AVG	

150kHz~30MHz

Worst Case Operating Mode: 11N20MIMO 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	*	0.1660	34.80	20.26	55.06	65.16	-10.10	QP	
2		0.1660	18.78	20.26	39.04	55.16	-16.12	AVG	
3		0.1940	28.84	20.33	49.17	63.86	-14.69	QP	
4		0.1940	10.01	20.33	30.34	53.86	-23.52	AVG	
5		0.3060	17.09	20.07	37.16	60.08	-22.92	QP	
6		0.3060	1.52	20.07	21.59	50.08	-28.49	AVG	
7		0.4300	18.84	20.17	39.01	57.25	-18.24	QP	
8		0.4300	9.42	20.17	29.59	47.25	-17.66	AVG	
9		0.5500	14.63	20.15	34.78	56.00	-21.22	QP	
10		0.5500	5.81	20.15	25.96	46.00	-20.04	AVG	
11		1.7820	11.28	20.34	31.62	56.00	-24.38	QP	
12		1.7820	3.26	20.34	23.60	46.00	-22.40	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	

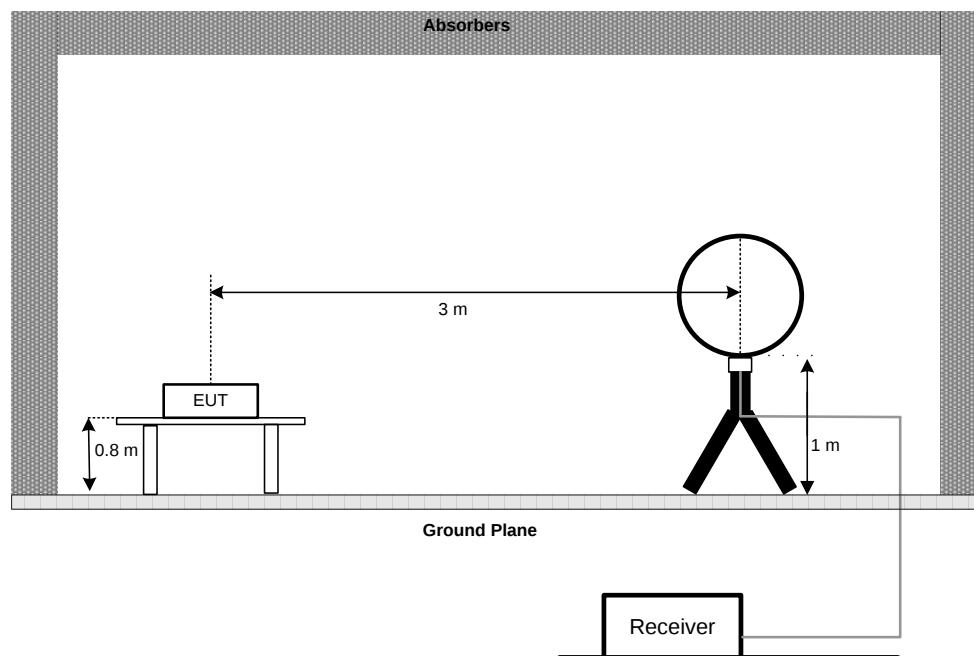
- a) The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- b) The measuring distance 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.

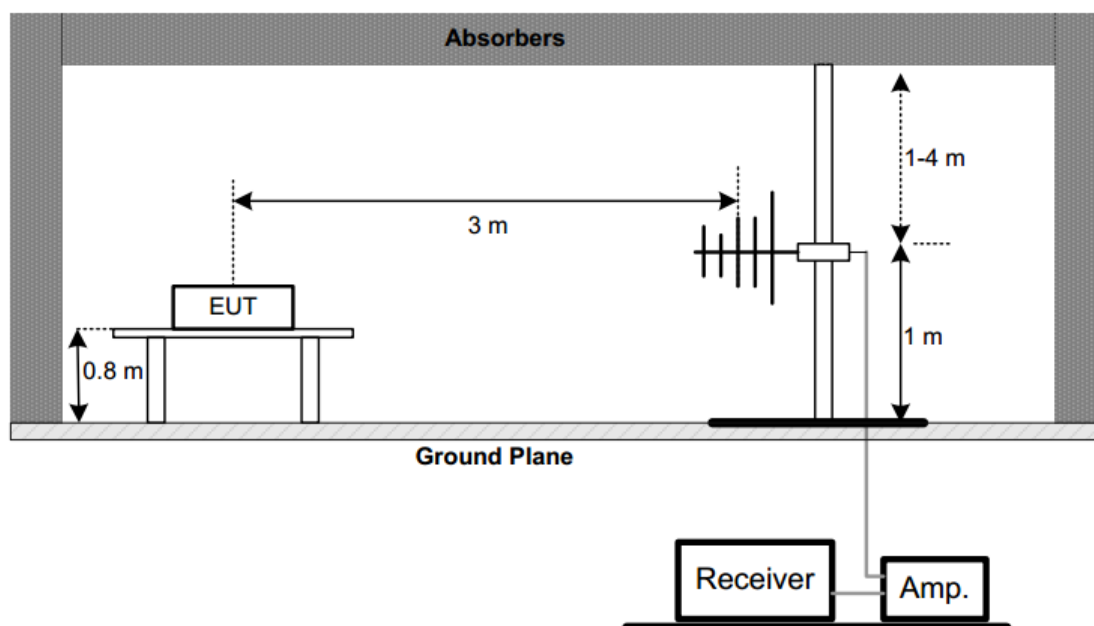
- d) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e) The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency 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.

3.2.3 Test Setup

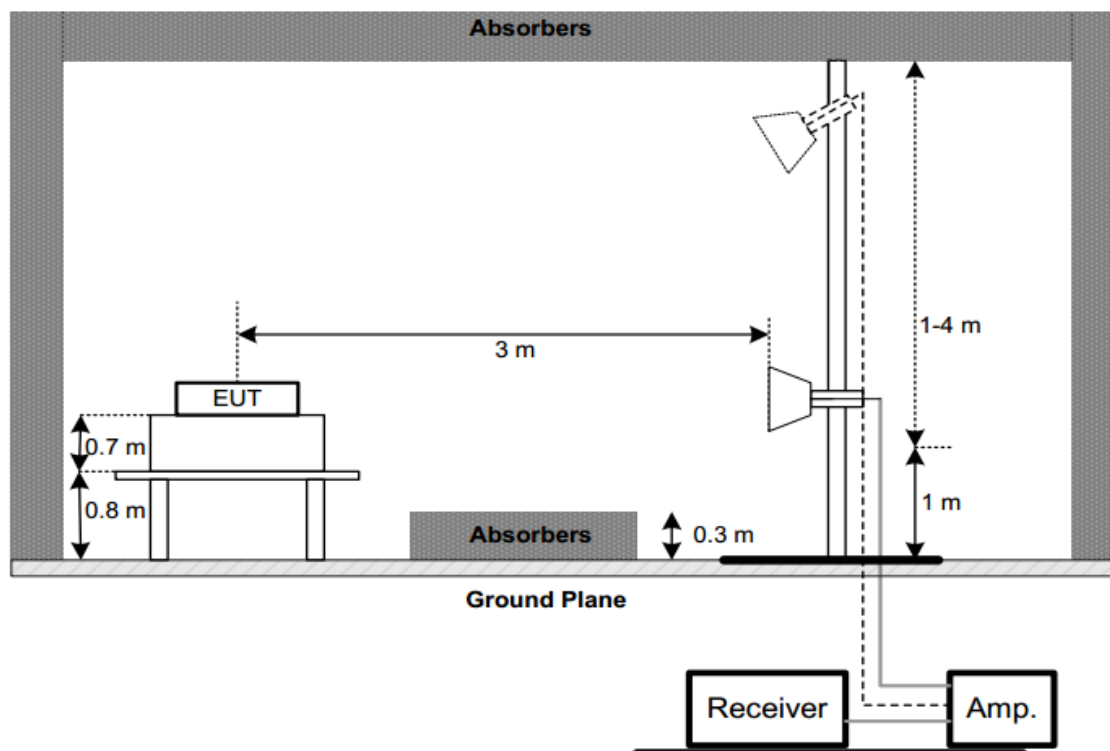
(A) Radiated Emission Test Set-Up Frequency Below 30 MHz



(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:

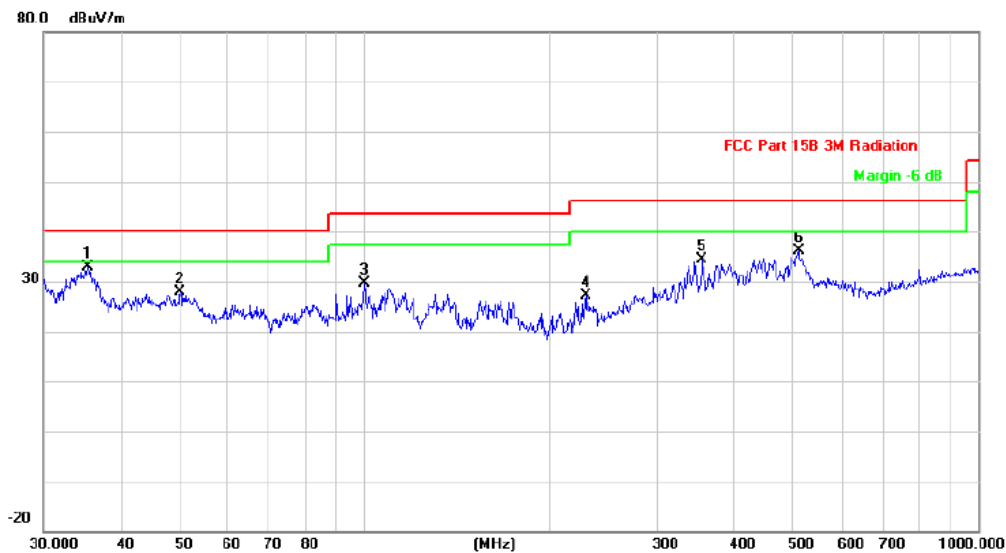
HT-580AXT:

Below 1G (30MHz~1GHz)

Worst Case Operating Mode: 11N20MIMO Channel 6

VERTICAL

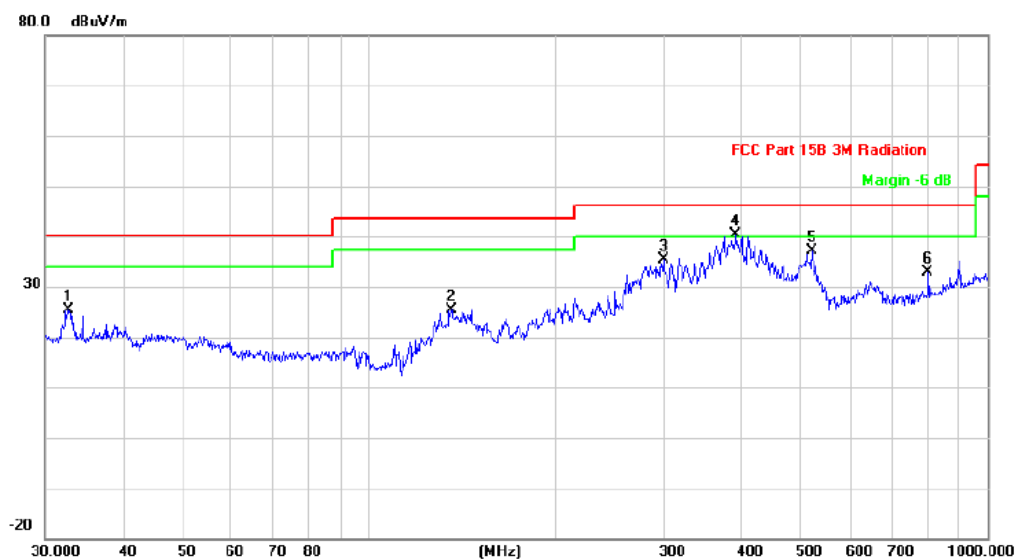
Radiated Emission



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	*	35.3750	43.27	-10.31	32.96	40.00	-7.04	peak		
2		50.0566	37.31	-9.44	27.87	40.00	-12.13	peak		
3		99.8777	42.33	-12.71	29.62	43.50	-13.88	peak		
4		229.2930	38.50	-11.46	27.04	46.00	-18.96	peak		
5		355.4272	41.76	-7.45	34.31	46.00	-11.69	peak		
6		510.0434	39.40	-3.35	36.05	46.00	-9.95	peak		

HORIZONTAL

Radiated Emission



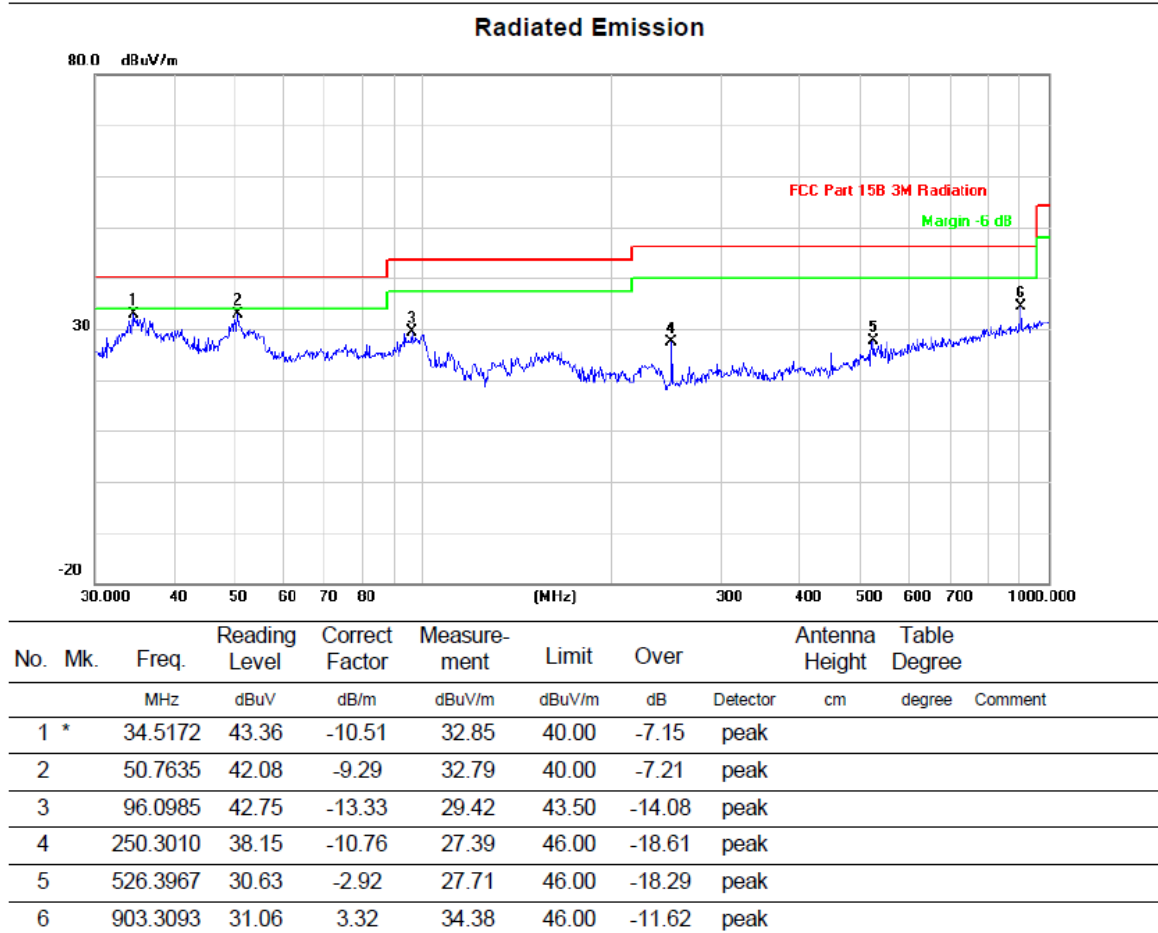
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		32.6340	36.11	-10.83	25.28	40.00	-14.72	peak		
2		135.9821	34.32	-8.94	25.38	43.50	-18.12	peak		
3		299.3158	44.27	-9.00	35.27	46.00	-10.73	peak		
4 *		392.0950	46.52	-6.25	40.27	46.00	-5.73	peak		
5		520.8881	40.04	-2.91	37.13	46.00	-8.87	peak		
6		801.7862	30.87	1.96	32.83	46.00	-13.17	peak		

HT-580AET:

Below 1G (30MHz~1GHz)

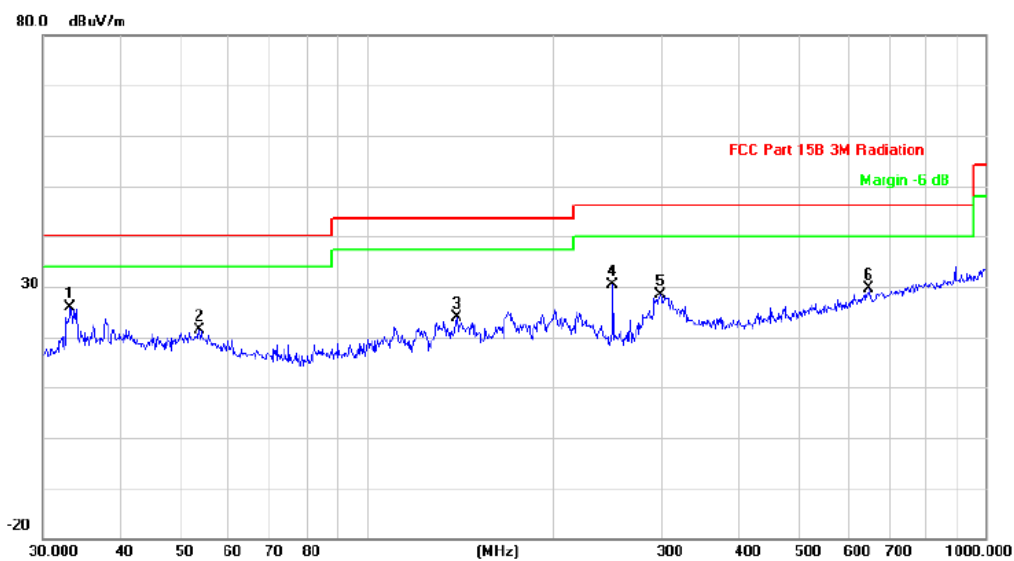
Worst Case Operating Mode: 11N20MIMO Channel 6

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	*	33.2111	36.58	-10.76	25.82	40.00	-14.18	peak		
2		53.6931	30.79	-9.38	21.41	40.00	-18.59	peak		
3		139.8507	32.28	-8.52	23.76	43.50	-19.74	peak		
4		250.3010	41.06	-10.76	30.30	46.00	-15.70	peak		
5		298.2681	37.44	-9.05	28.39	46.00	-17.61	peak		
6		649.6594	30.10	-0.44	29.66	46.00	-16.34	peak		

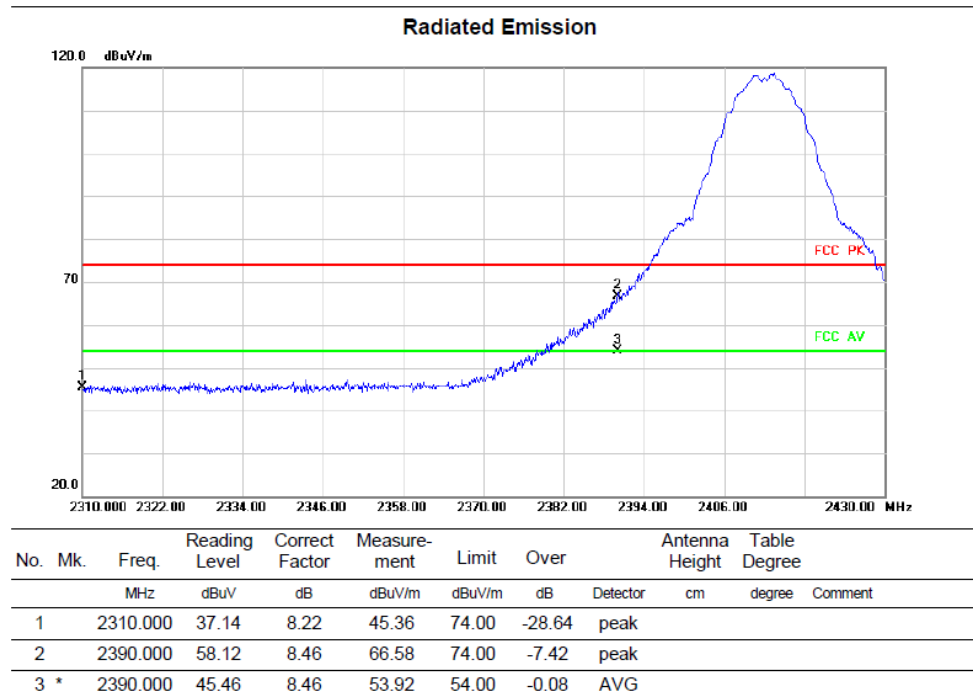
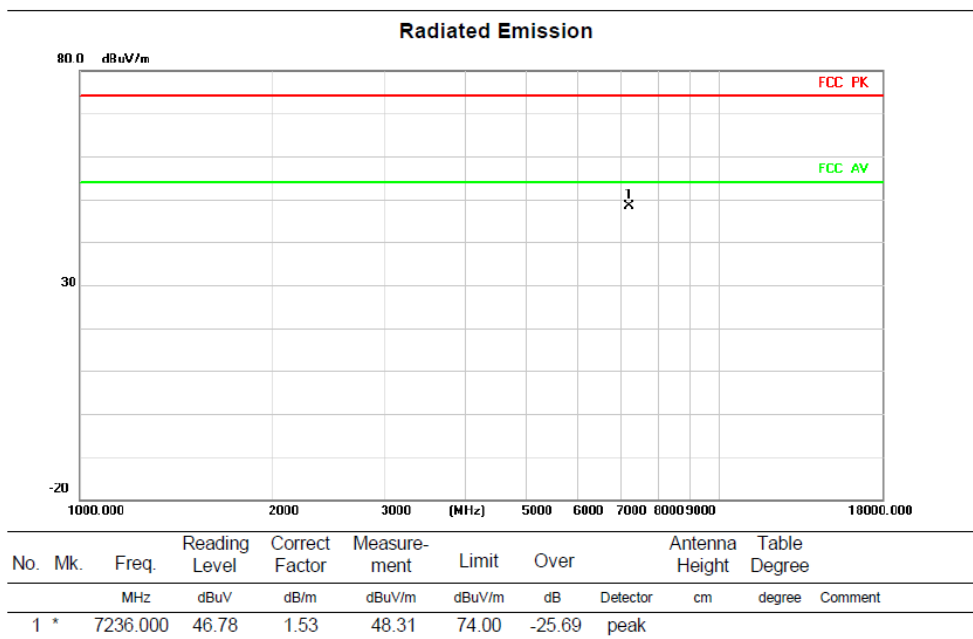
3) Radiated emission: Above 1G

Note:

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

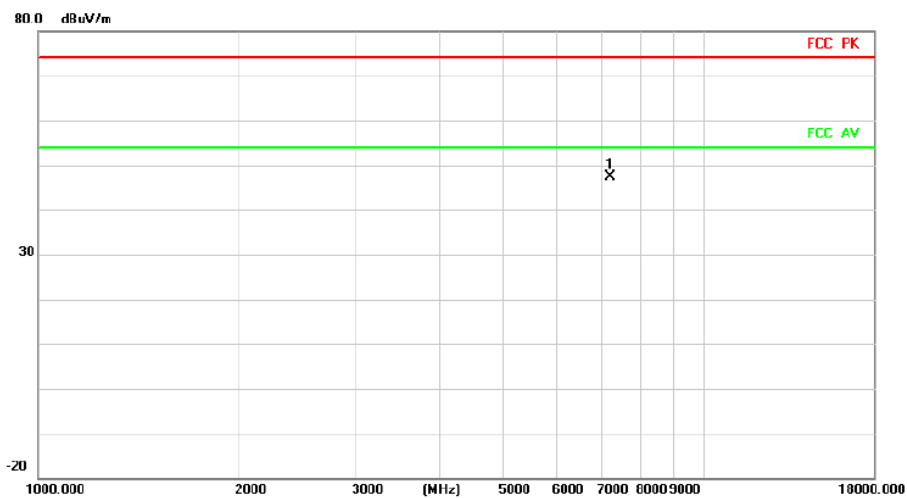
Above 1G (1GHz~18GHz)	Test mode:11B-CDD	Test Channel:1
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VERTICAL



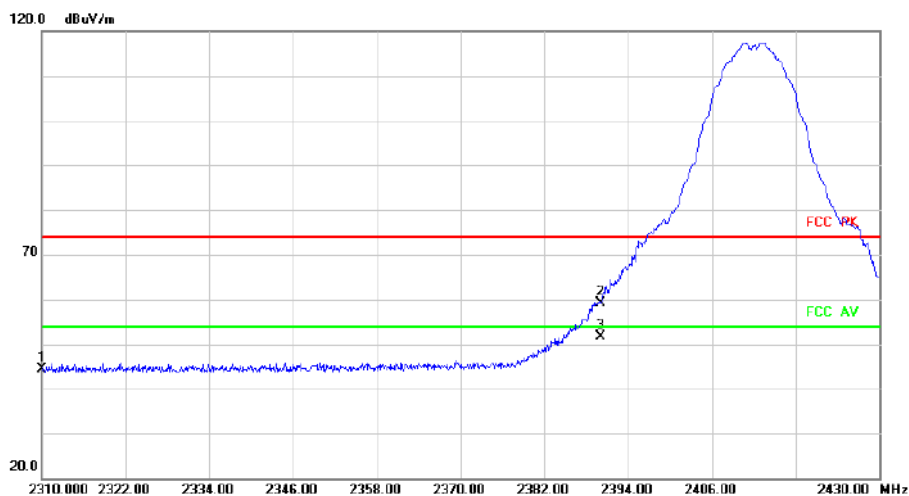
HORIZONTAL

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	*	7236.000	45.96	1.53	47.49	74.00	-26.51	peak		

Radiated Emission



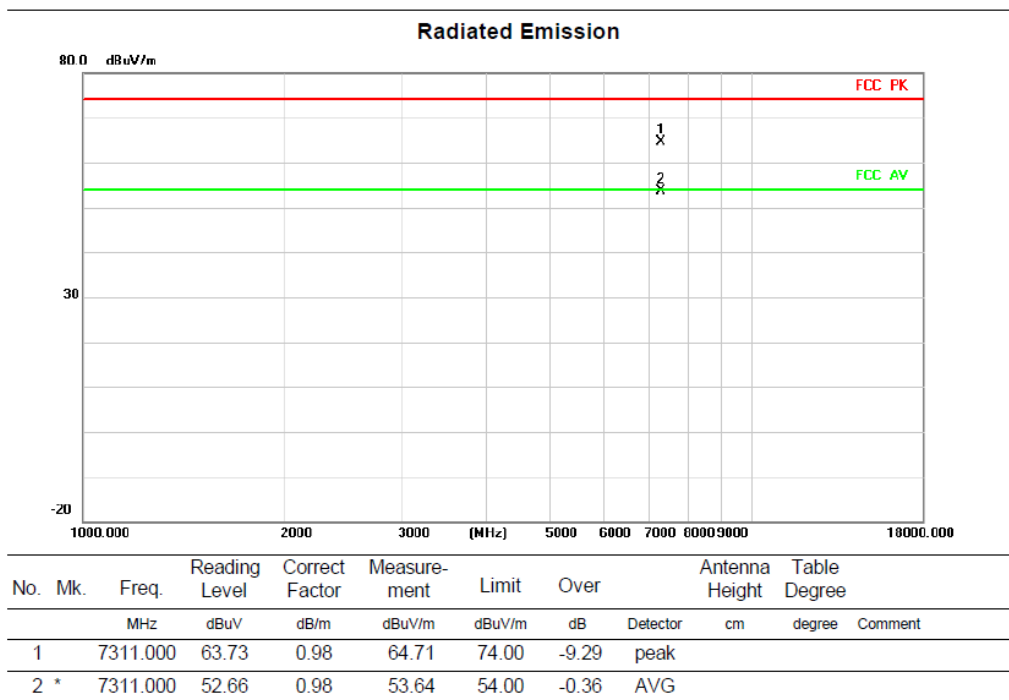
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		2310.000	36.05	8.22	44.27	74.00	-29.73	peak		
2		2390.000	50.75	8.46	59.21	74.00	-14.79	peak		
3	*	2390.000	43.24	8.46	51.70	54.00	-2.30	AVG		

Above 1G (1GHz~18GHz)

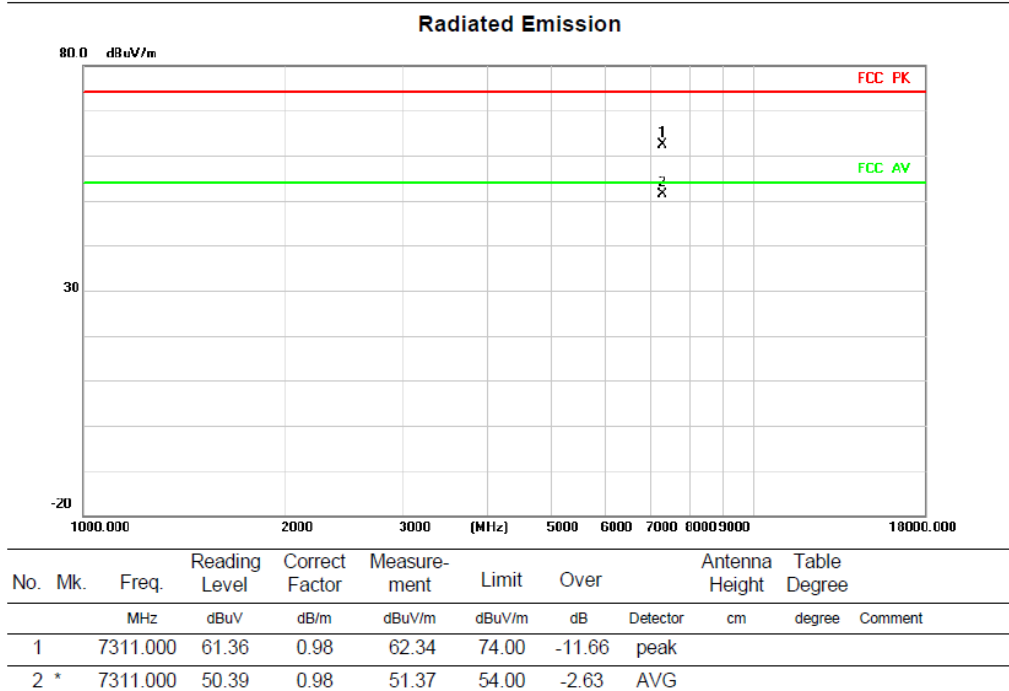
Test mode:11B-CDD

Test Channel:6

VERTICAL



HORIZONTAL



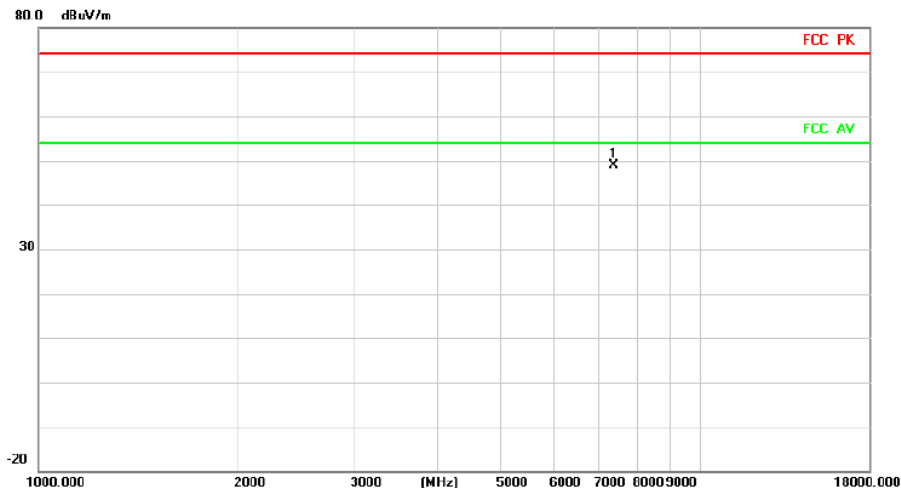
Above 1G (1GHz~18GHz)

Test mode: 11B-CDD

Test Channel:11

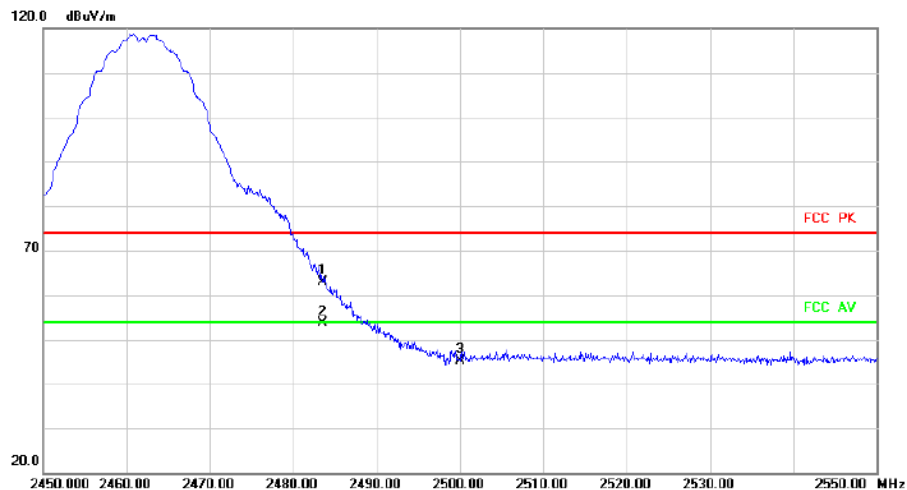
VERTICAL

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
1	*	7386.000	47.17	1.76	48.93	74.00	-25.07	peak	

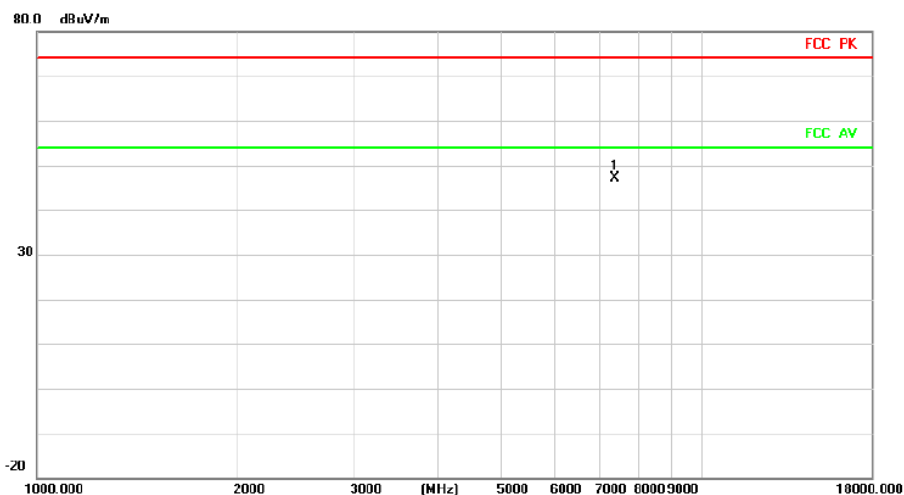
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		2483.500	53.78	9.10	62.88	74.00	-11.12	peak	
2	*	2483.500	44.57	9.10	53.67	54.00	-0.33	AVG	
3		2500.000	35.83	9.26	45.09	74.00	-28.91	peak	

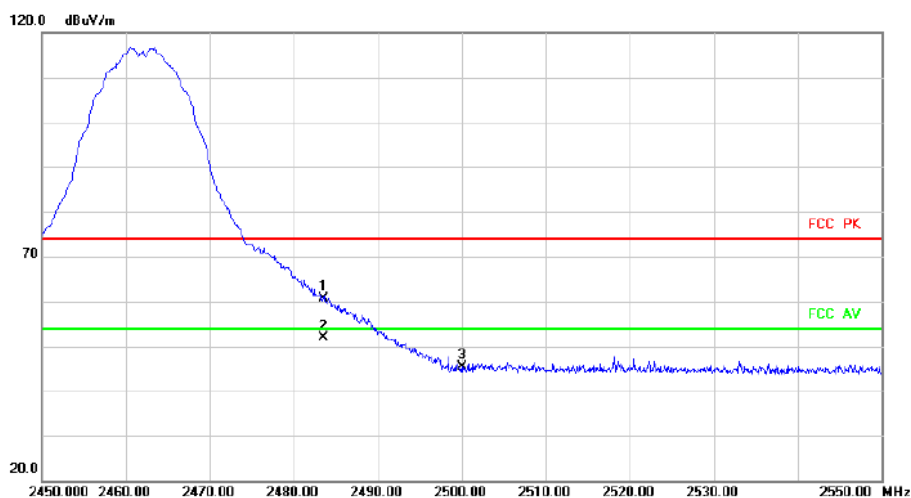
HORIZONTAL

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	*	7386.000	45.40	1.76	47.16	74.00	-26.84	peak	

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		2483.500	51.55	9.10	60.65	74.00	-13.35	peak	
2	*	2483.500	42.77	9.10	51.87	54.00	-2.13	AVG	
3		2500.000	36.14	9.26	45.40	74.00	-28.60	peak	

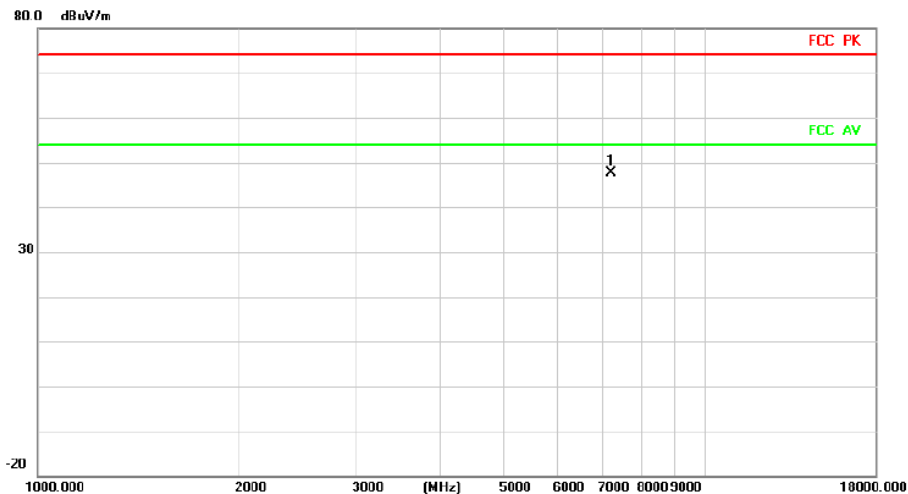
Above 1G (1GHz~18GHz)

Test mode:11G-CDD

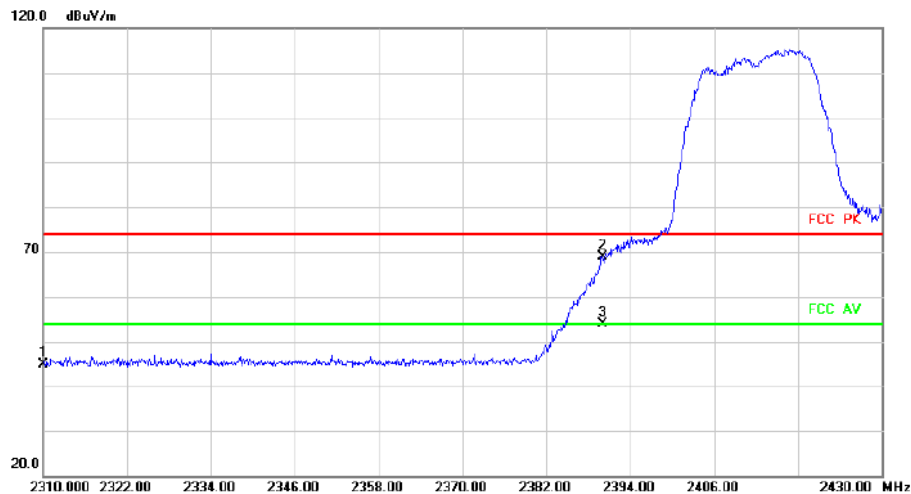
Test Channel:1

VERTICAL

Radiated Emission

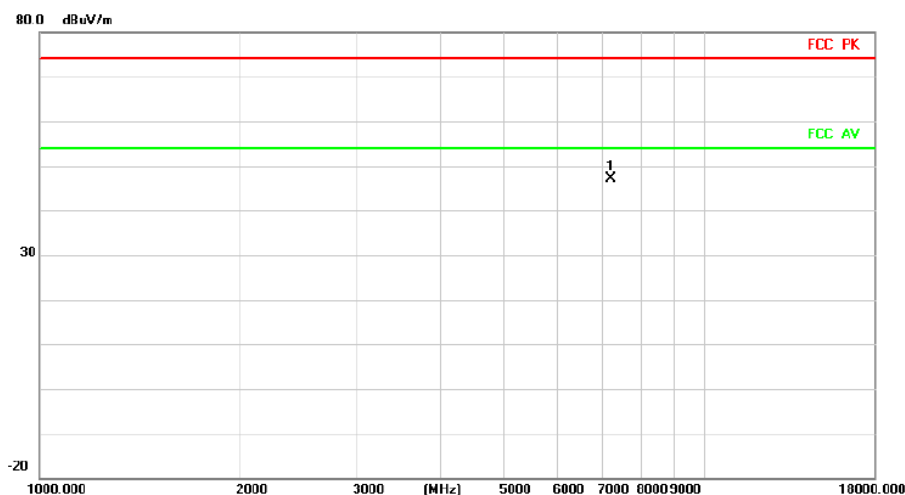


Radiated Emission



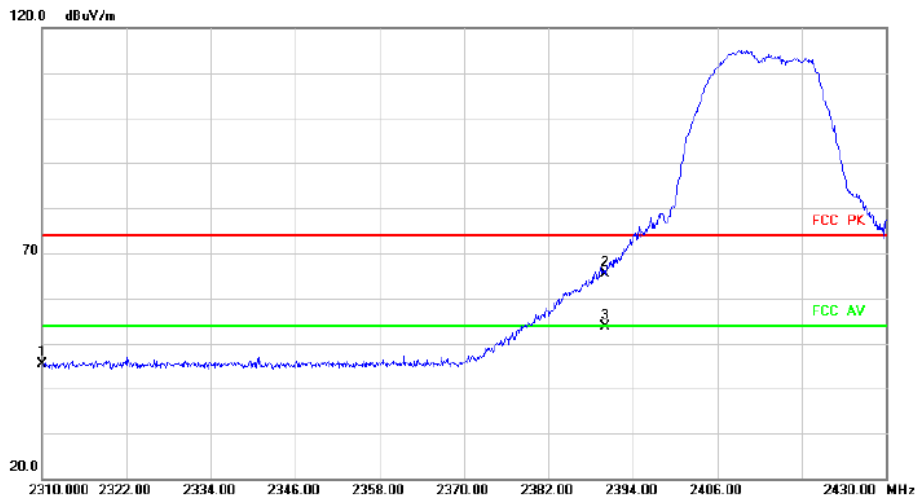
HORIZONTAL

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	*	7236.000	45.63	1.53	47.16	74.00	-26.84	peak		

Radiated Emission



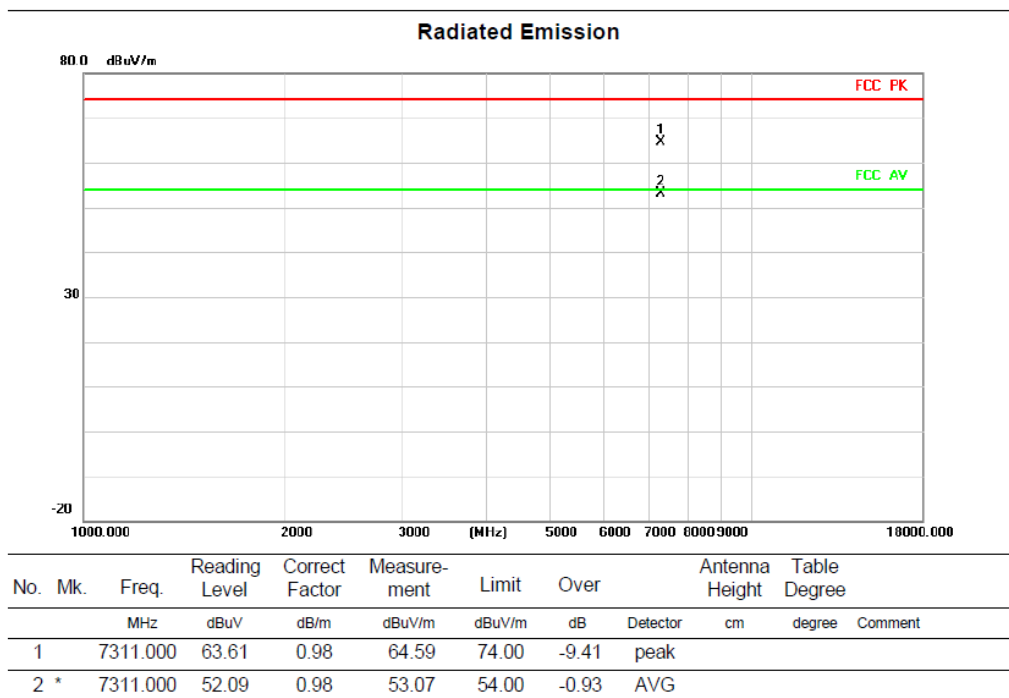
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2310.000	37.15	8.22	45.37	74.00	-28.63	peak		
2		2390.000	56.81	8.46	65.27	74.00	-8.73	peak		
3	*	2390.000	45.08	8.46	53.54	54.00	-0.46	AVG		

Above 1G (1GHz~18GHz)

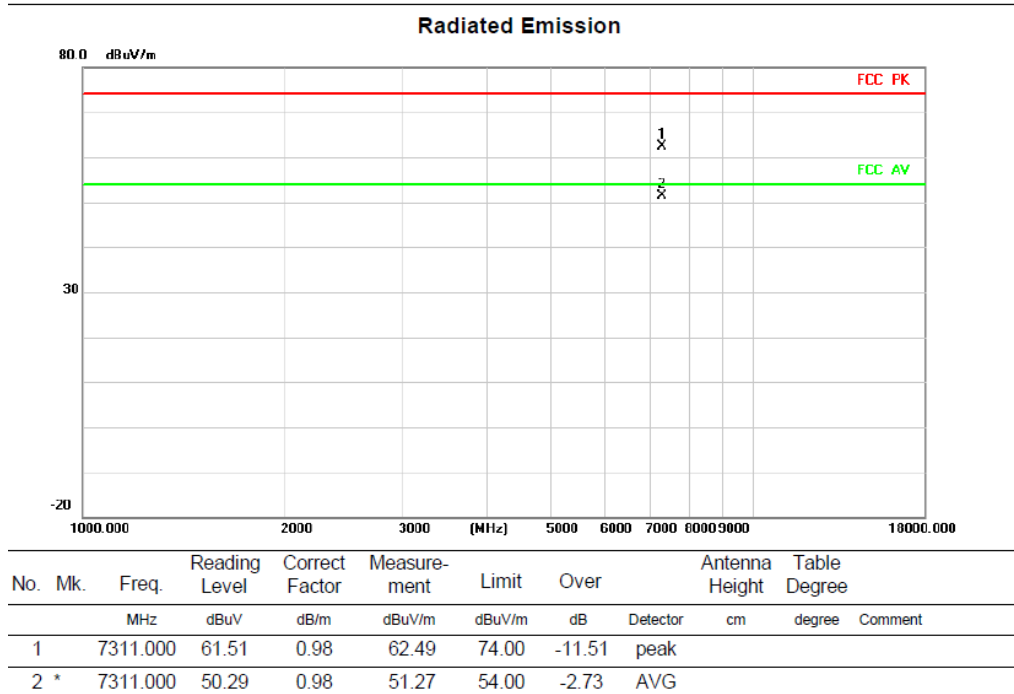
Test mode:11G-CDD

Test Channel:6

VERTICAL



HORIZONTAL



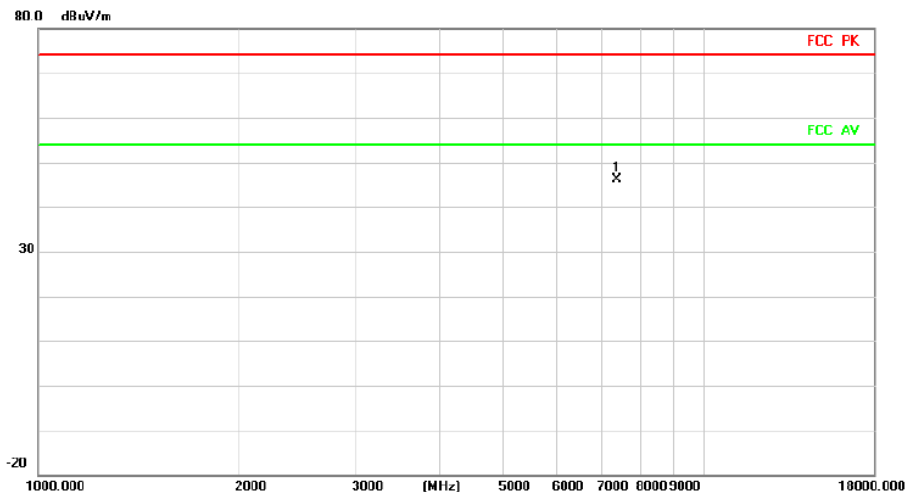
Above 1G (1GHz~18GHz)

Test mode: 11G-CDD

Test Channel:11

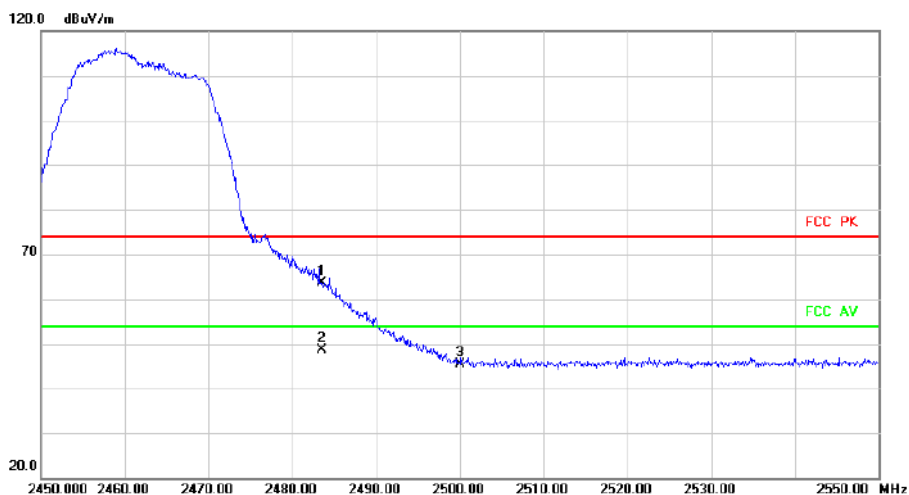
VERTICAL

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	Detector	cm	degree
1	*	7386.000	44.48	1.76	46.24	74.00	-27.76	peak		

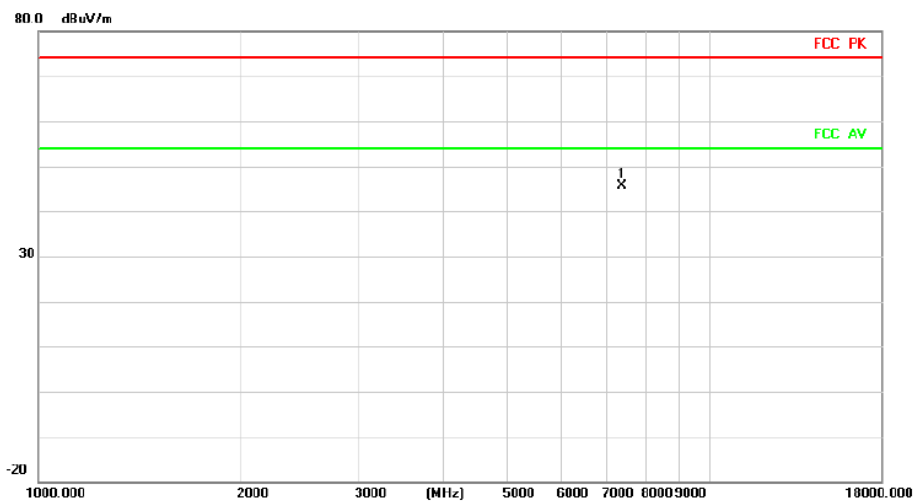
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2483.500	54.46	9.10	63.56	74.00	-10.44	peak		
2	*	2483.500	39.47	9.10	48.57	54.00	-5.43	AVG		
3		2500.000	36.22	9.26	45.48	74.00	-28.52	peak		

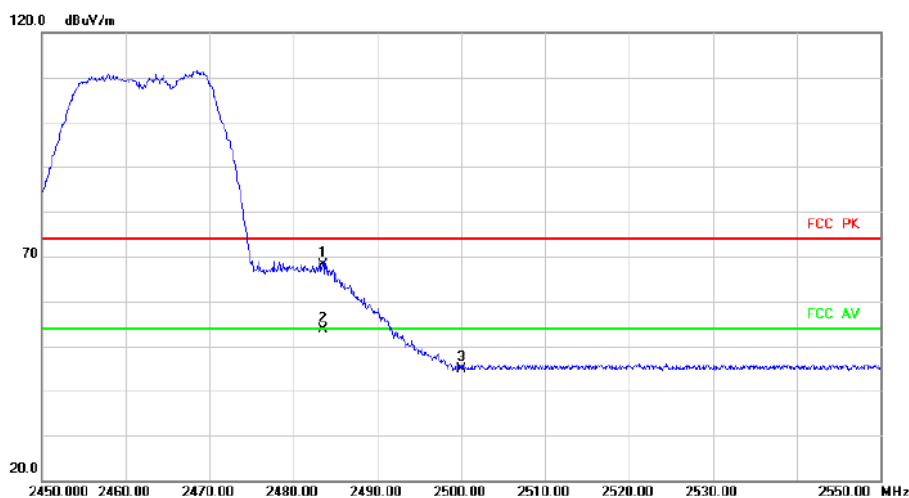
HORIZONTAL

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	*	7386.000	43.79	1.76	45.55	74.00	-28.45	peak		

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2483.500	59.10	9.10	68.20	74.00	-5.80	peak		
2	*	2483.500	44.62	9.10	53.72	54.00	-0.28	AVG		
3		2500.000	35.65	9.26	44.91	74.00	-29.09	peak		

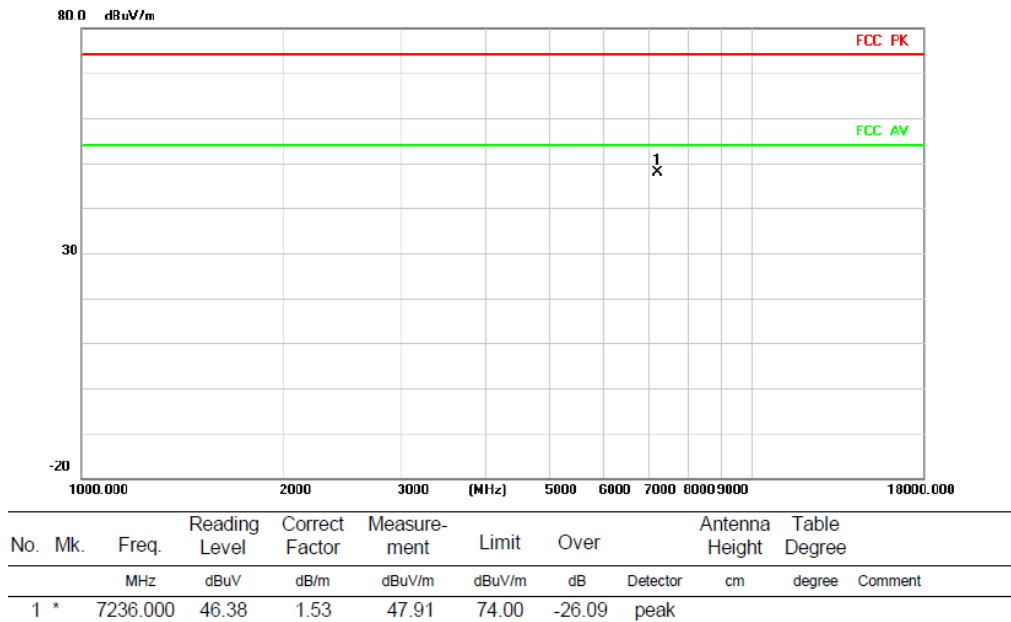
Above 1G (1GHz~18GHz)

Test mode: 11N20MIMO

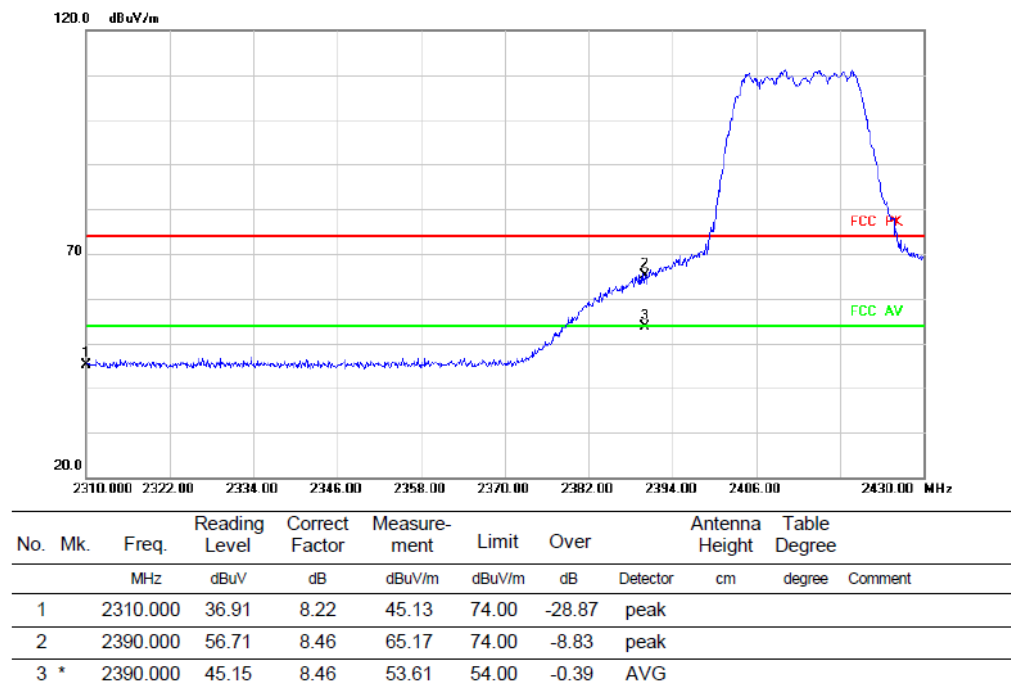
Test Channel:1

VERTICAL

Radiated Emission

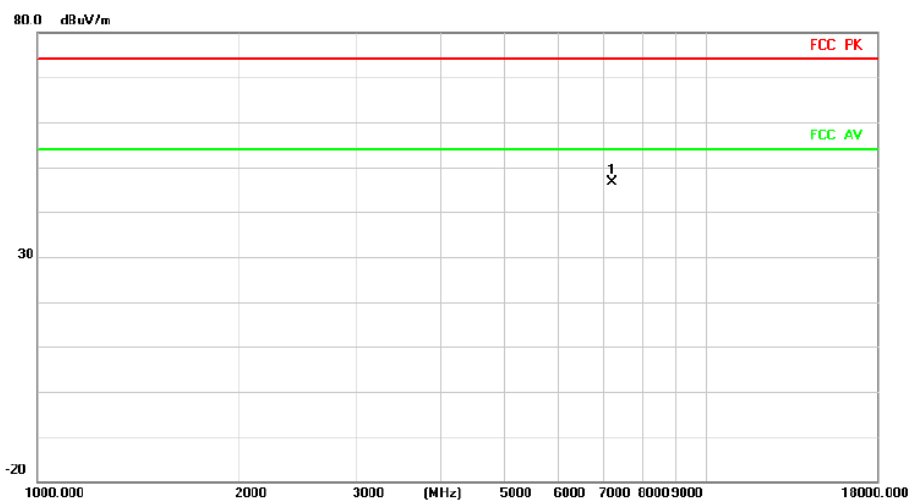


Radiated Emission



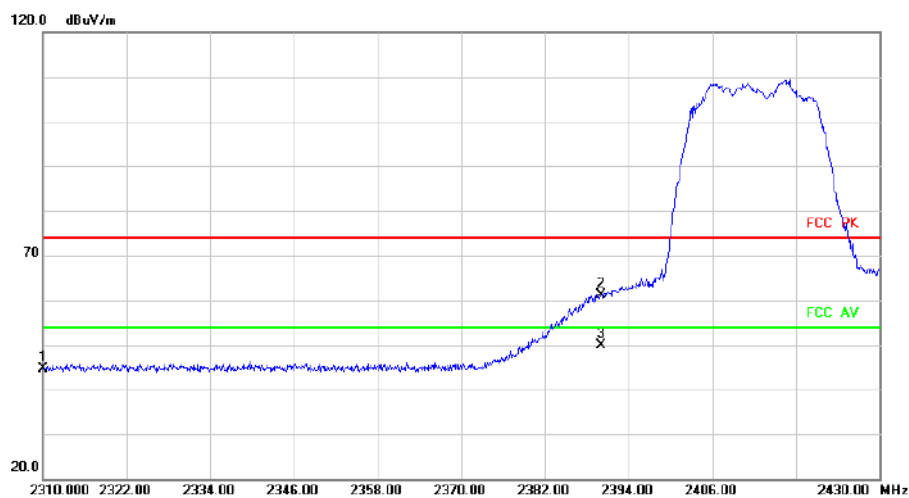
HORIZONTAL

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	*	7236.000	45.05	1.53	46.58	74.00	-27.42	peak	

Radiated Emission



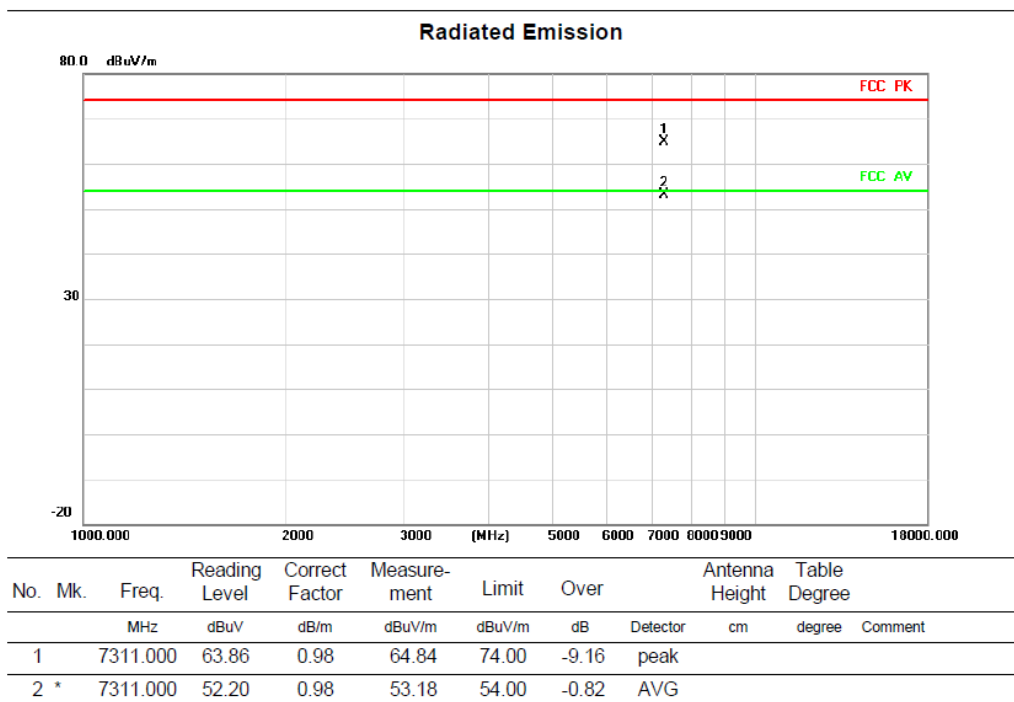
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		2310.000	36.53	8.22	44.75	74.00	-29.25	peak	
2		2390.000	52.70	8.46	61.16	74.00	-12.84	peak	
3	*	2390.000	41.41	8.46	49.87	54.00	-4.13	AVG	

Above 1G (1GHz~18GHz)

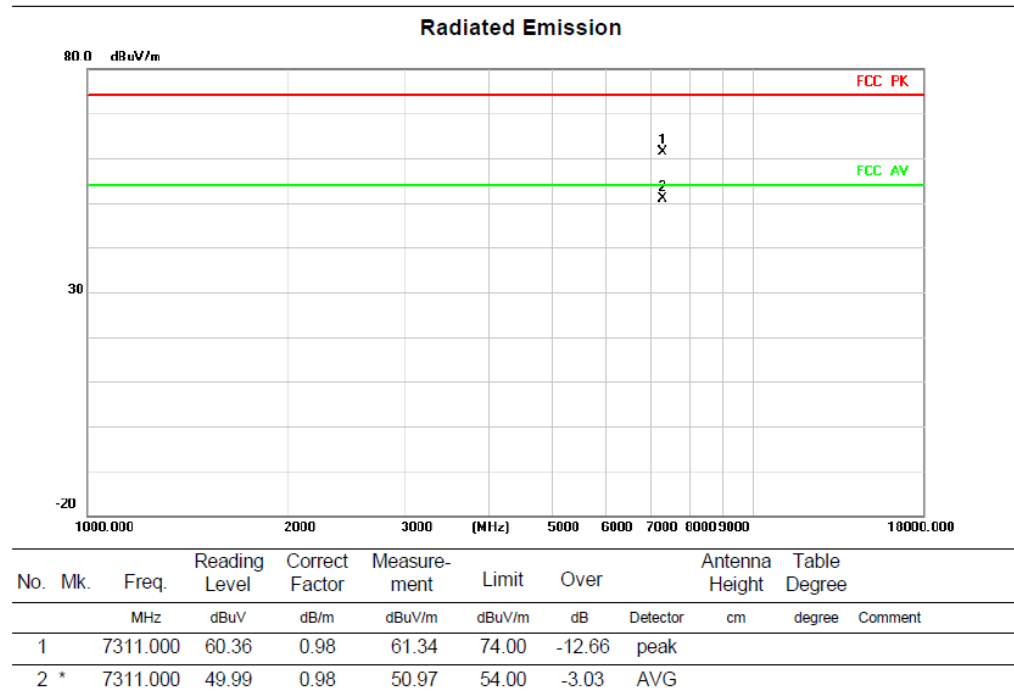
Test mode:11N20MIMO

Test Channel:6

VERTICAL



HORIZONTAL



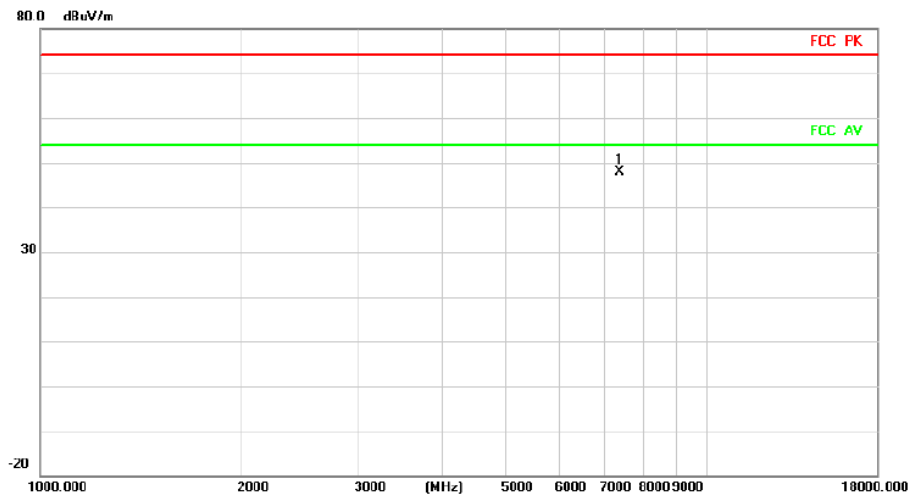
Above 1G (1GHz~18GHz)

Test mode: 11N20MIMO

Test Channel:11

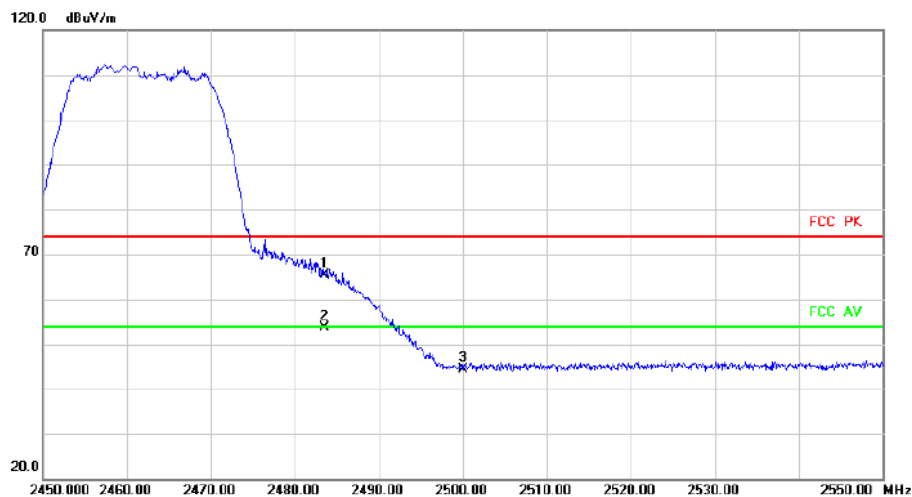
VERTICAL

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	Detector	cm	degree
1	*	7386.000	46.23	1.76	47.99	74.00	-26.01	peak		Comment

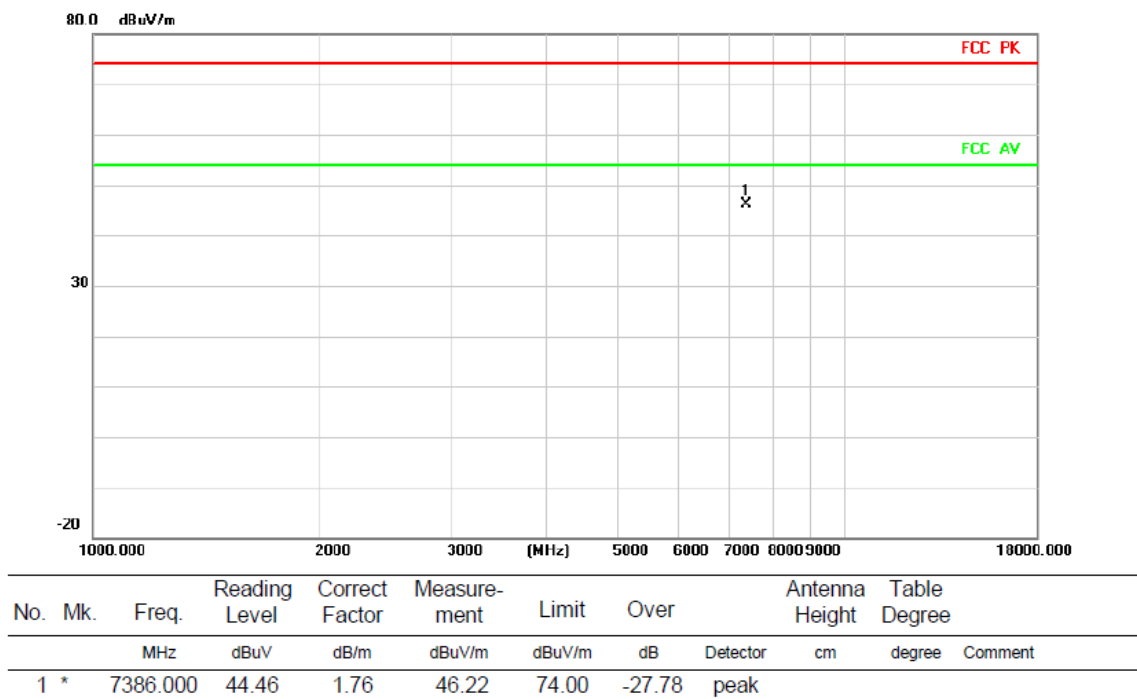
Radiated Emission



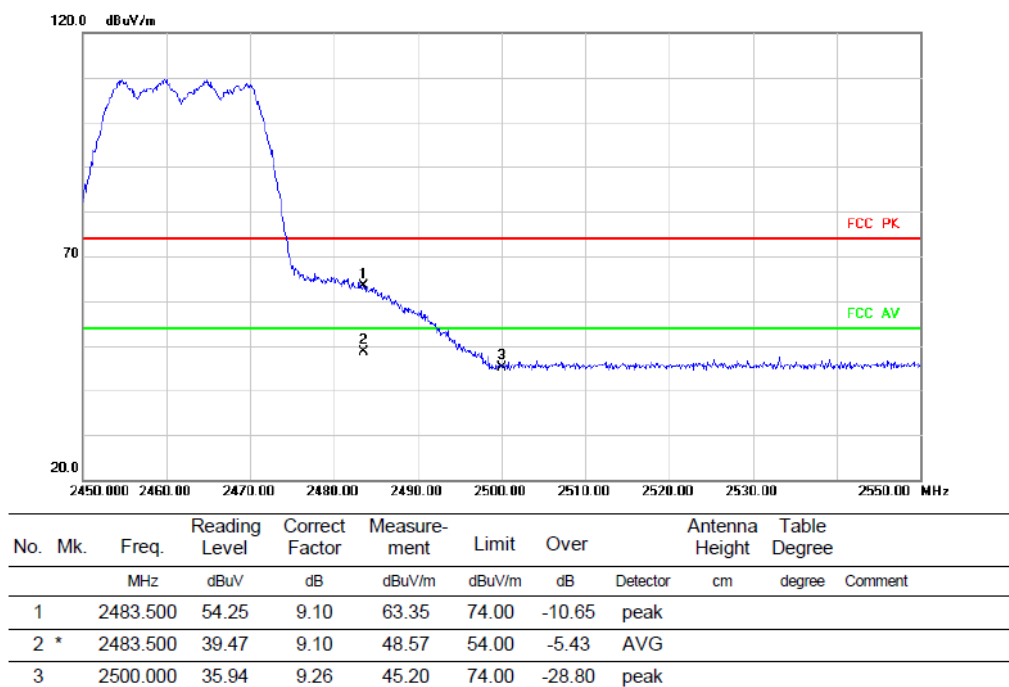
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2483.500	56.31	9.10	65.41	74.00	-8.59	peak		Comment
2	*	2483.500	44.56	9.10	53.66	54.00	-0.34	AVG		
3		2500.000	35.11	9.26	44.37	74.00	-29.63	peak		

HORIZONTAL

Radiated Emission



Radiated Emission



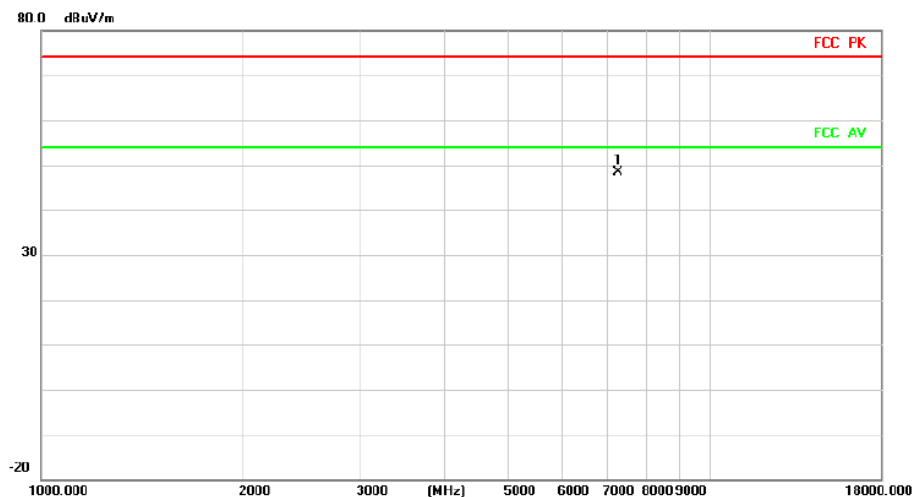
Above 1G (1GHz~18GHz)

Test mode: 11N40MIMO

Test Channel:3

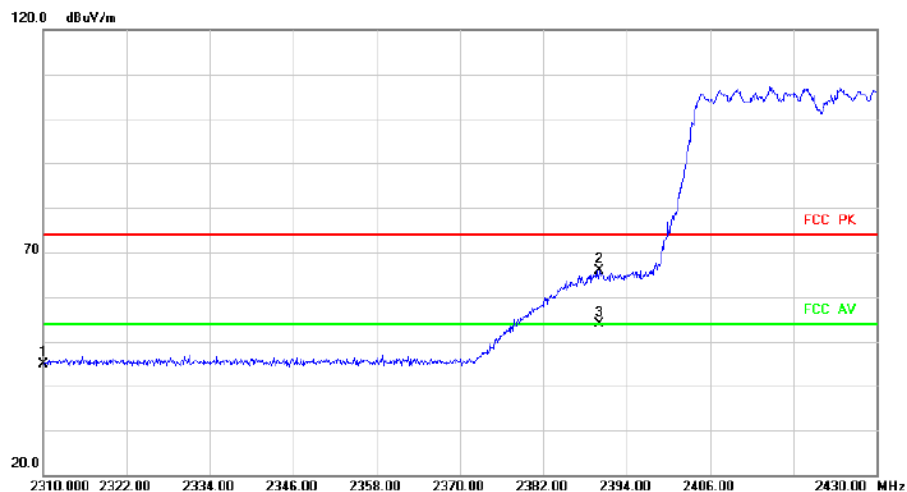
VERTICAL

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	Detector	cm	degree
1	*	7266.000	47.32	1.16	48.48	74.00	-25.52	peak		

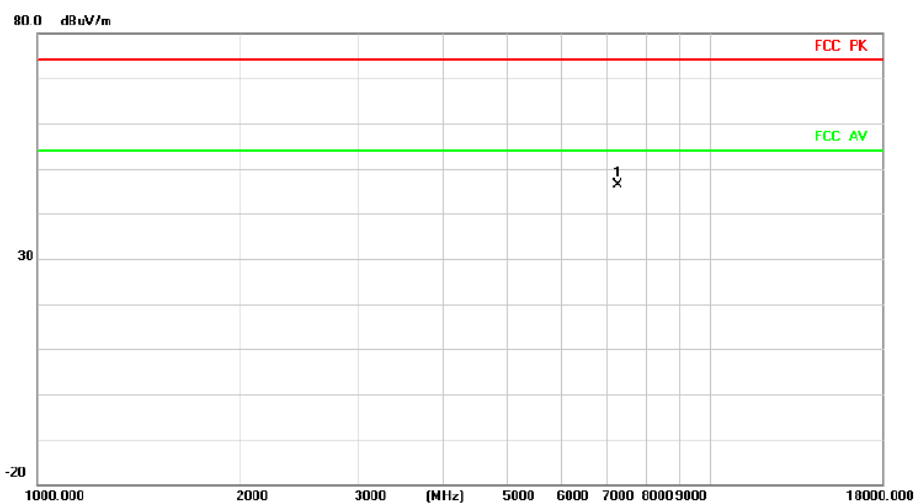
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2310.000	36.73	8.22	44.95	74.00	-29.05	peak		
2		2390.000	57.32	8.46	65.78	74.00	-8.22	peak		
3	*	2390.000	45.38	8.46	53.84	54.00	-0.16	AVG		

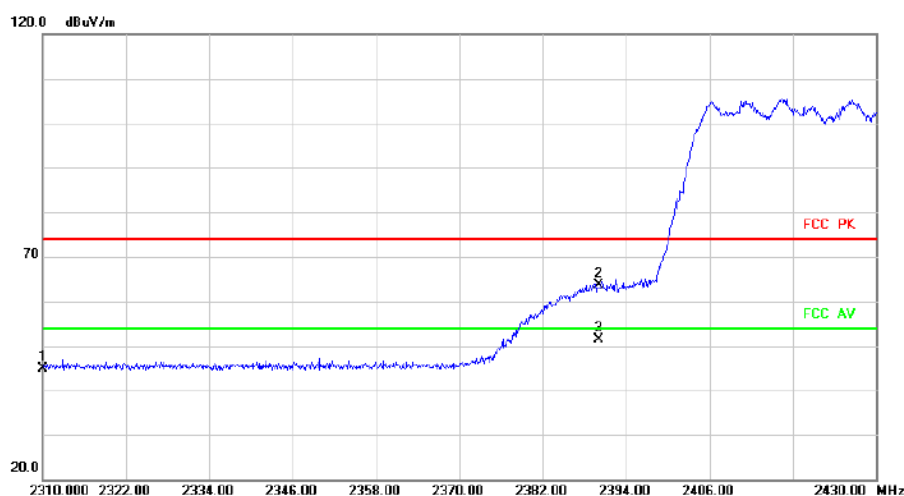
HORIZONTAL

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	Detector	cm	degree
1	*	7266.000	45.25	1.16	46.41	74.00	-27.59	peak		

Radiated Emission



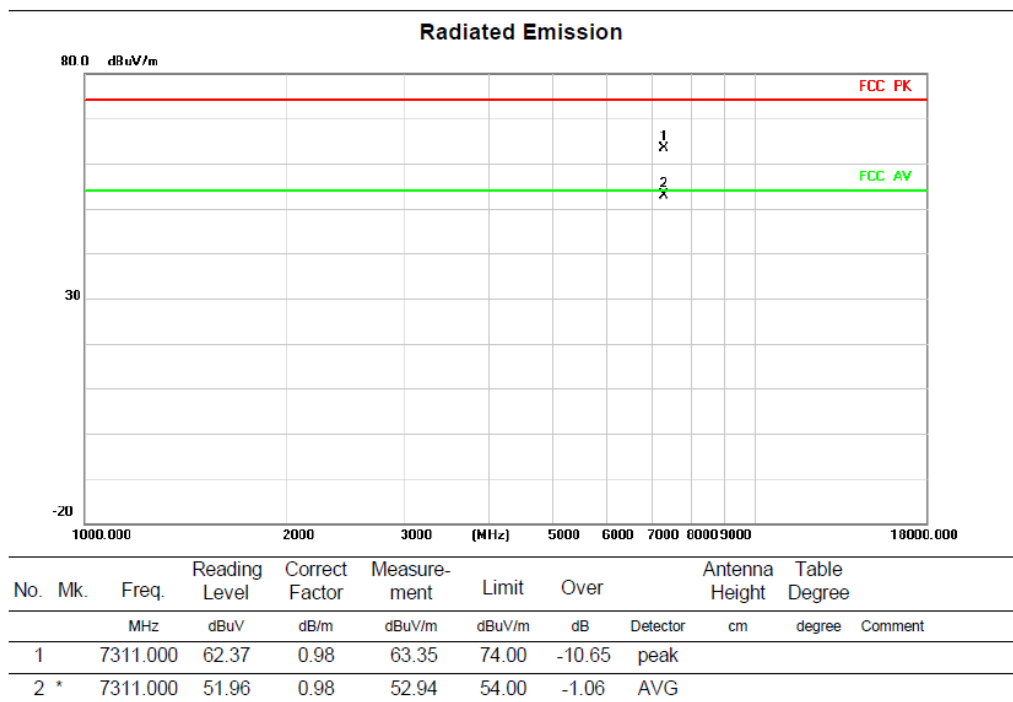
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2310.000	36.78	8.22	45.00	74.00	-29.00	peak		
2		2390.000	55.20	8.46	63.66	74.00	-10.34	peak		
3	*	2390.000	42.81	8.46	51.27	54.00	-2.73	AVG		

Above 1G (1GHz~18GHz)

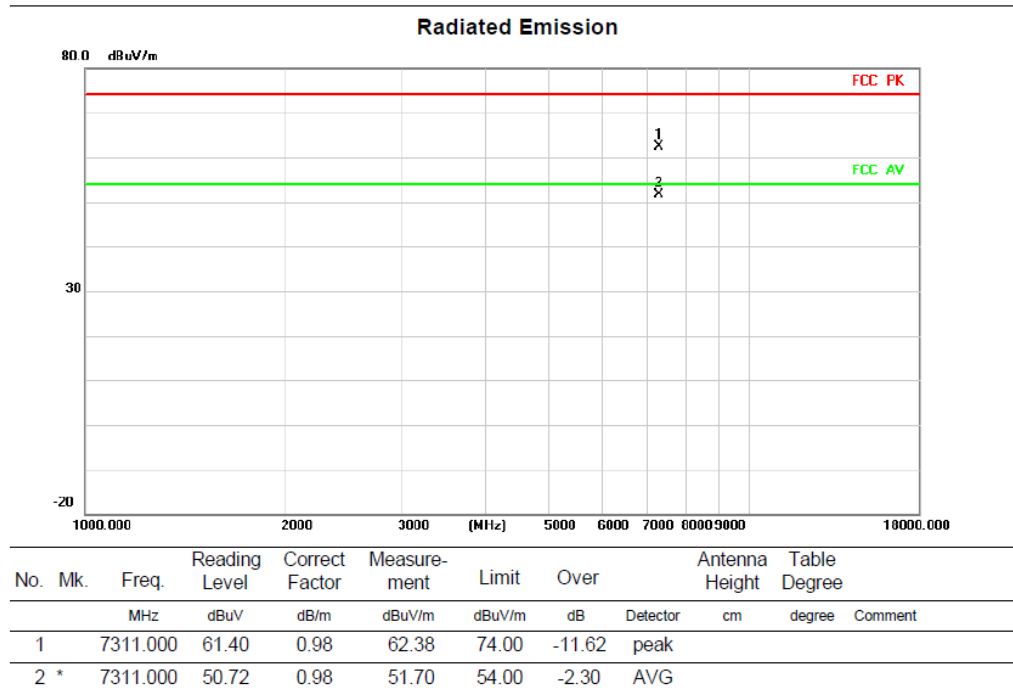
Test mode:11N40MIMO

Test Channel:6

VERTICAL



HORIZONTAL



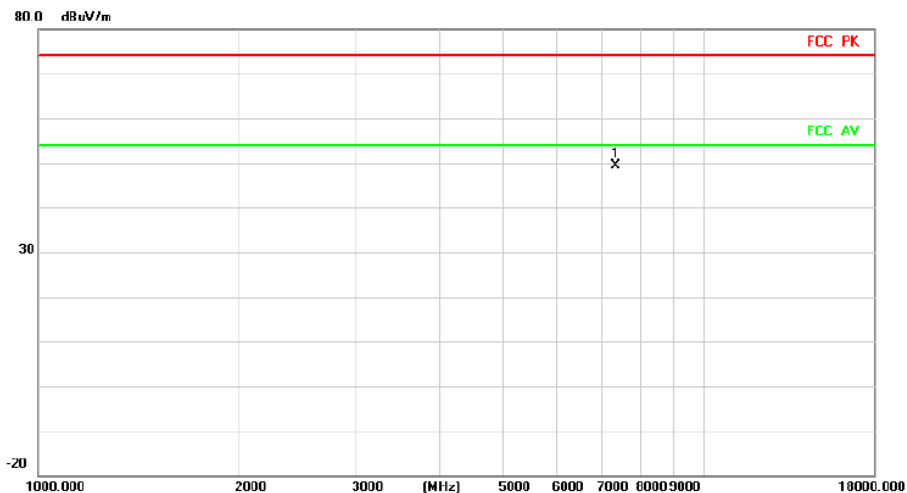
Above 1G (1GHz~18GHz)

Test mode: 11N40MIMO

Test Channel:9

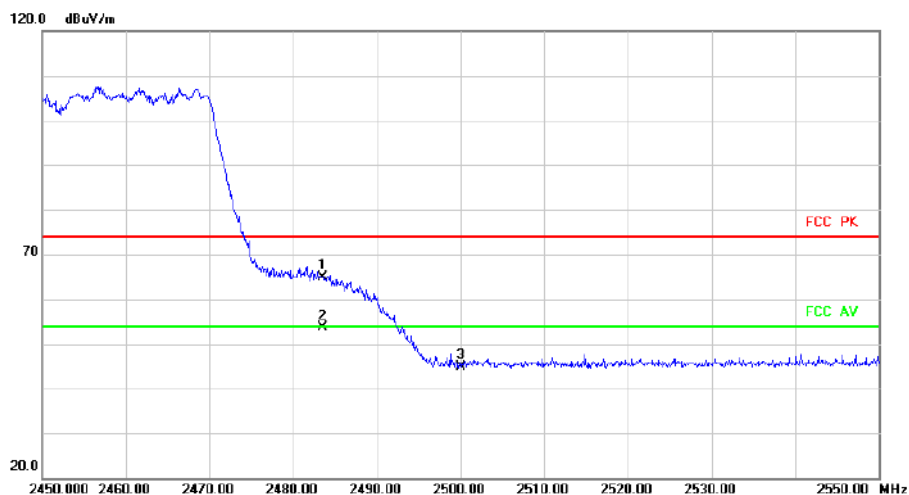
VERTICAL

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	Detector	cm	degree
1	*	7356.000	47.96	1.45	49.41	74.00	-24.59	peak		Comment

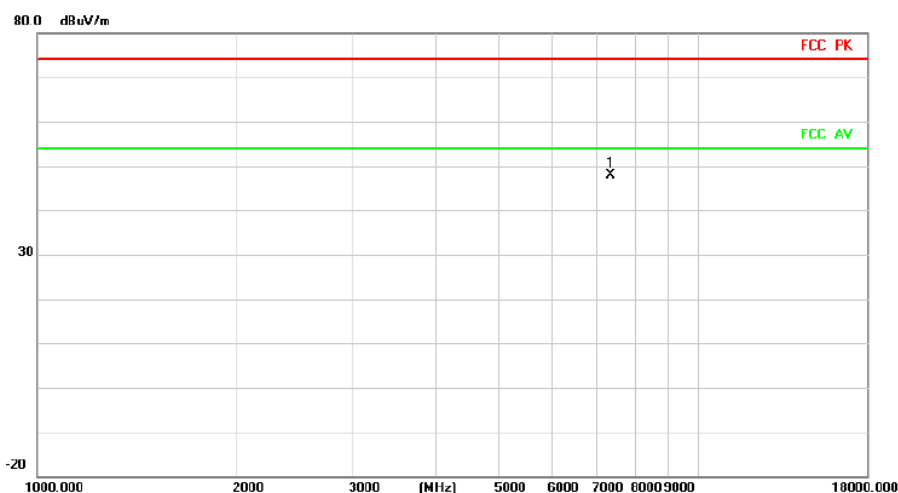
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2483.500	55.72	9.10	64.82	74.00	-9.18	peak		Comment
2	*	2483.500	44.55	9.10	53.65	54.00	-0.35	AVG		
3		2500.000	35.73	9.26	44.99	74.00	-29.01	peak		

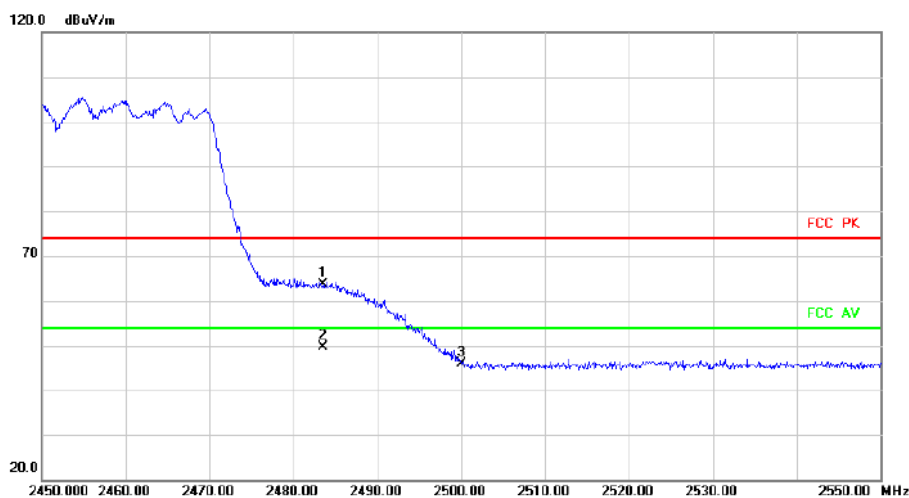
HORIZONTAL

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
1	*	7356.000	46.49	1.45	47.94	74.00	-26.06	peak	

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		2483.500	54.45	9.10	63.55	74.00	-10.45	peak	
2	*	2483.500	40.48	9.10	49.58	54.00	-4.42	AVG	
3		2500.000	36.59	9.26	45.85	74.00	-28.15	peak	

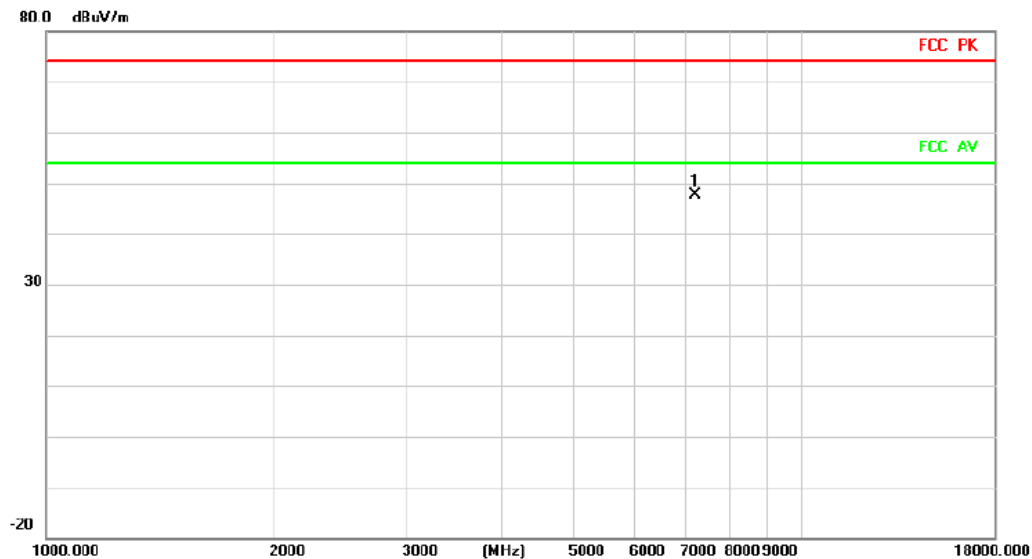
Above 1G (1GHz~18GHz)

Test mode: 11AX20MIMO

Test Channel:1

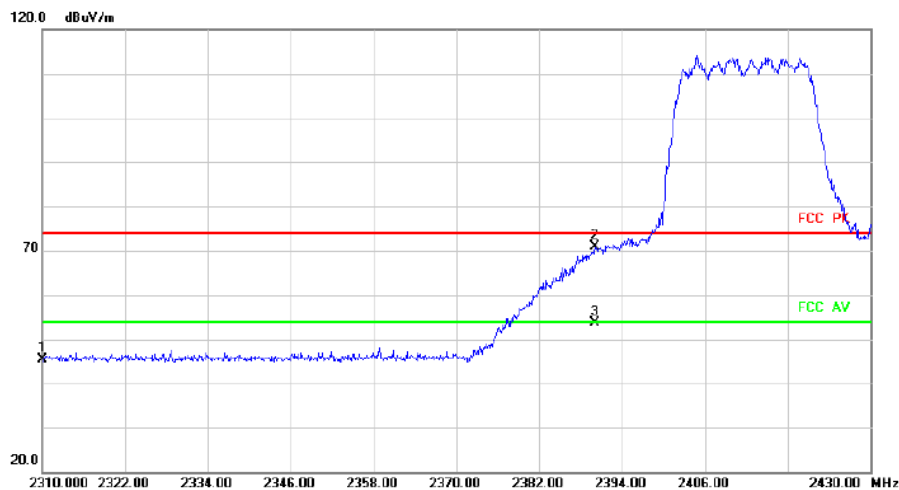
VERTICAL

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	*	7236.000	46.09	1.53	47.62	74.00	-26.38	peak		

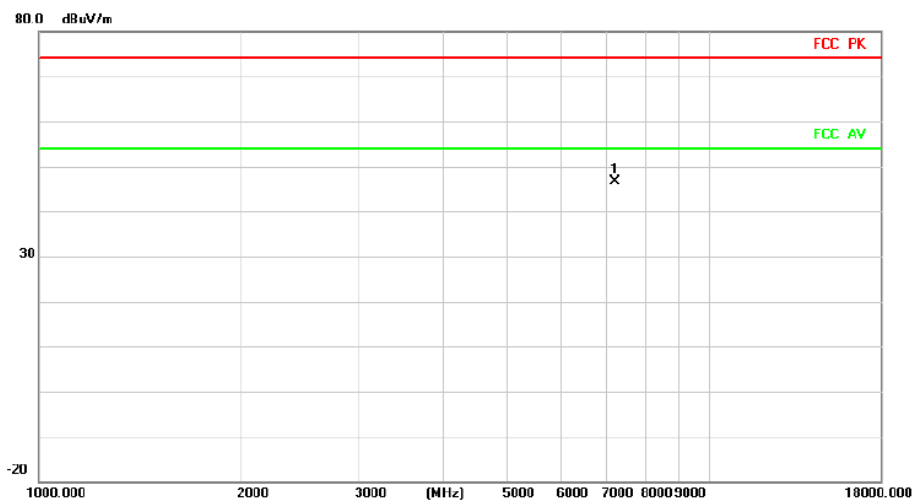
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		2310.000	37.17	8.22	45.39	74.00	-28.61	peak		
2		2390.000	62.45	8.46	70.91	74.00	-3.09	peak		
3	*	2390.000	45.23	8.46	53.69	54.00	-0.31	AVG		

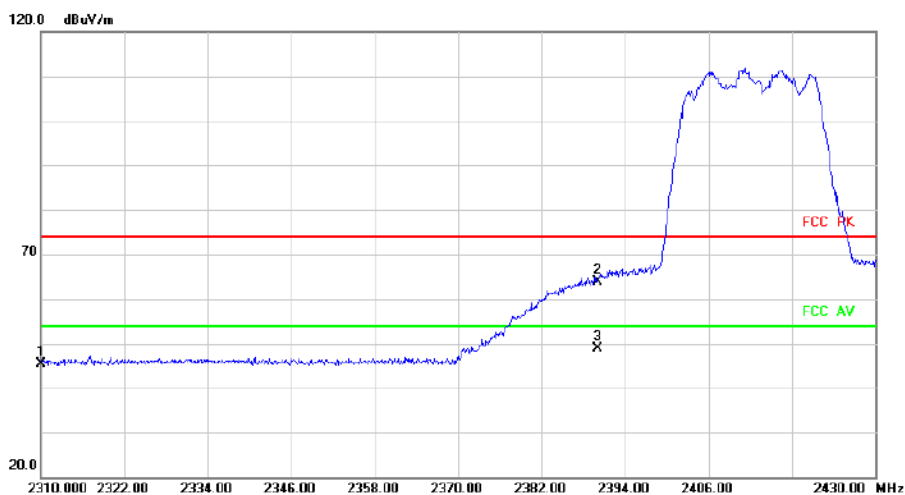
HORIZONTAL

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	*	7236.000	45.21	1.53	46.74	74.00	-27.26	peak		

Radiated Emission



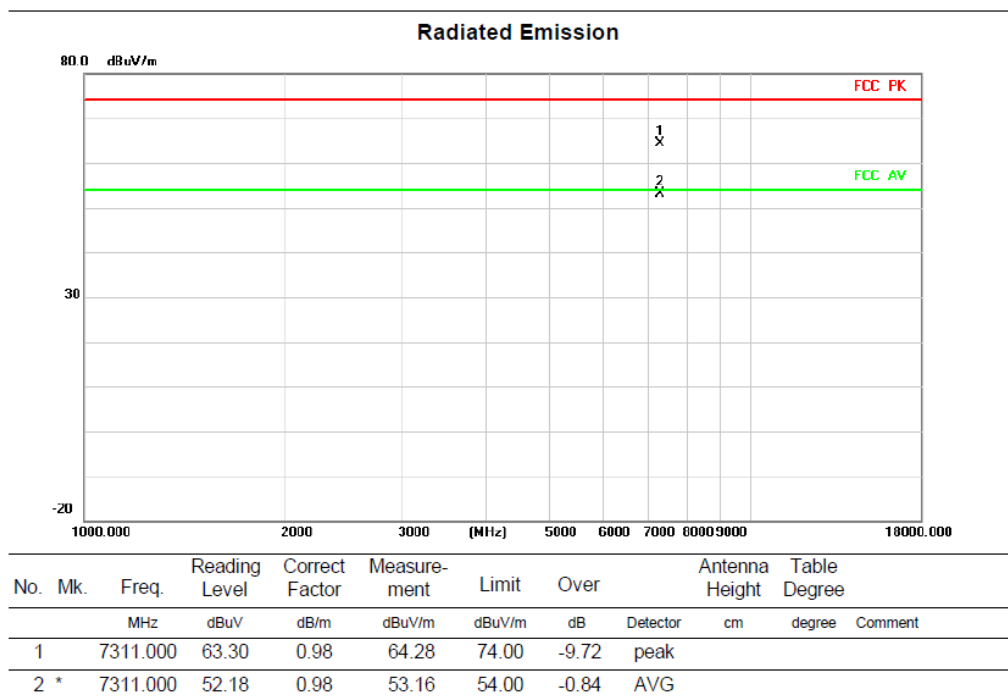
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		2310.000	37.24	8.22	45.46	74.00	-28.54	peak		
2		2390.000	55.47	8.46	63.93	74.00	-10.07	peak		
3	*	2390.000	40.35	8.46	48.81	54.00	-5.19	AVG		

Above 1G (1GHz~18GHz)

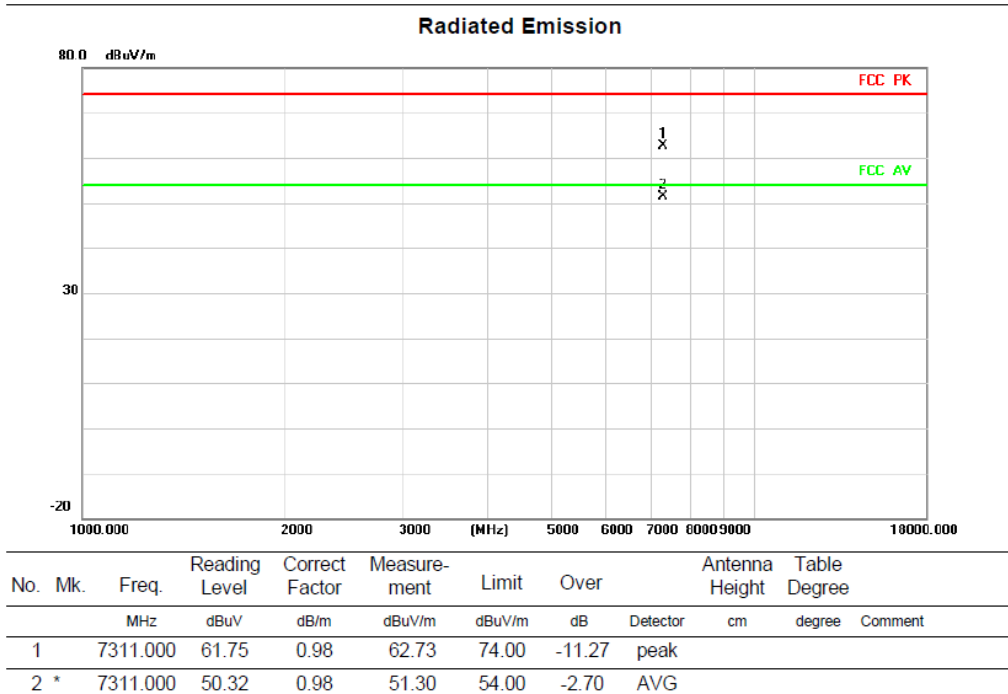
Test mode:11AX20MIMO

Test Channel:6

VERTICAL



HORIZONTAL



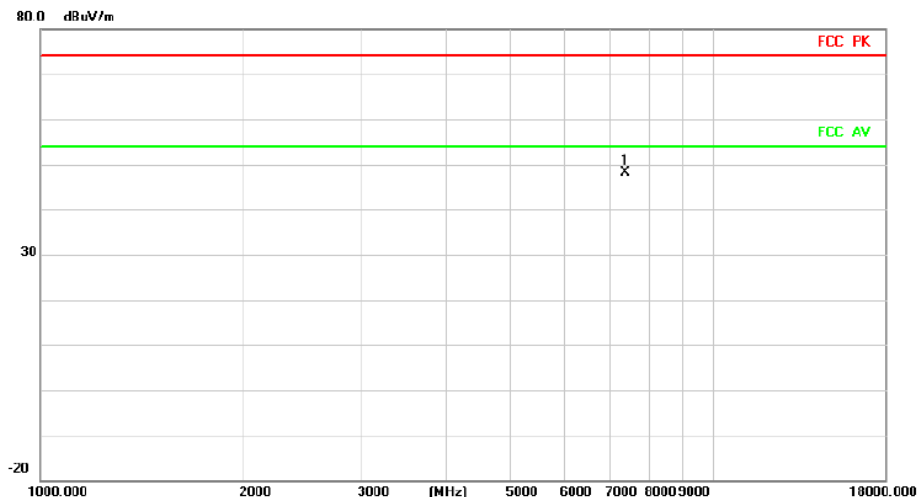
Above 1G (1GHz~18GHz)

Test mode: 11AX20MIMO

Test Channel:11

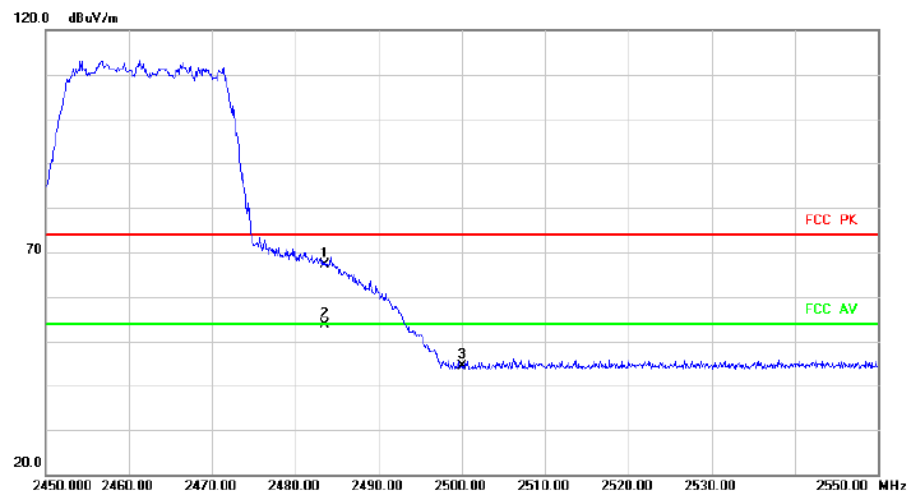
VERTICAL

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	Detector	cm	degree
1	*	7386.000	46.35	1.76	48.11	74.00	-25.89	peak		Comment

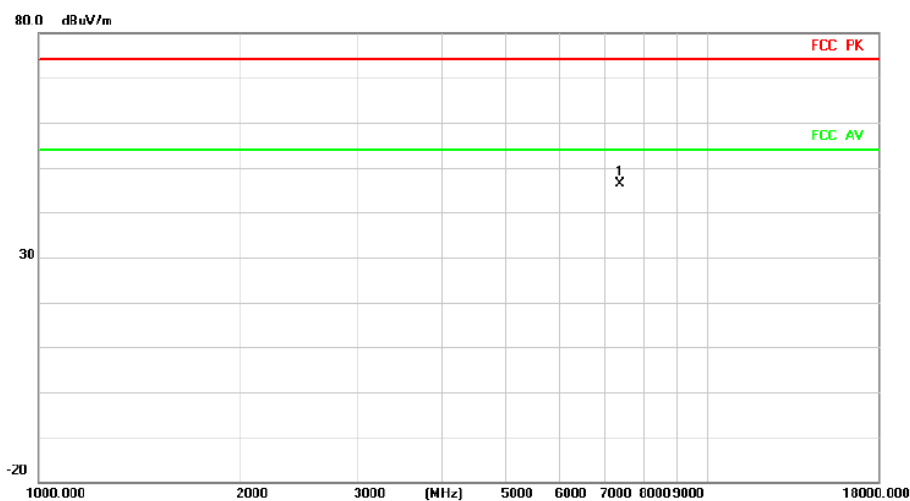
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2483.500	58.07	9.10	67.17	74.00	-6.83	peak		Comment
2	*	2483.500	44.60	9.10	53.70	54.00	-0.30	AVG		
3		2500.000	35.22	9.26	44.48	74.00	-29.52	peak		

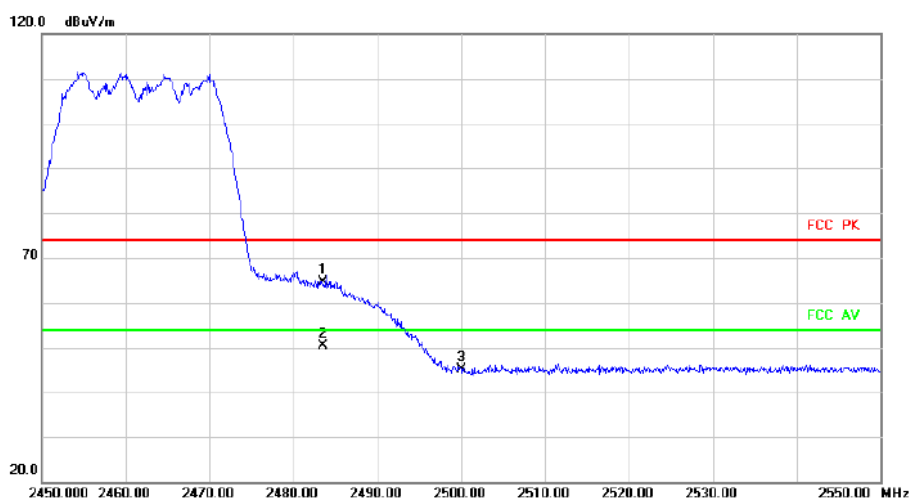
HORIZONTAL

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	*	7386.000	44.52	1.76	46.28	74.00	-27.72	peak	

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		2483.500	55.46	9.10	64.56	74.00	-9.44	peak	
2	*	2483.500	41.34	9.10	50.44	54.00	-3.56	AVG	
3		2500.000	35.80	9.26	45.06	74.00	-28.94	peak	

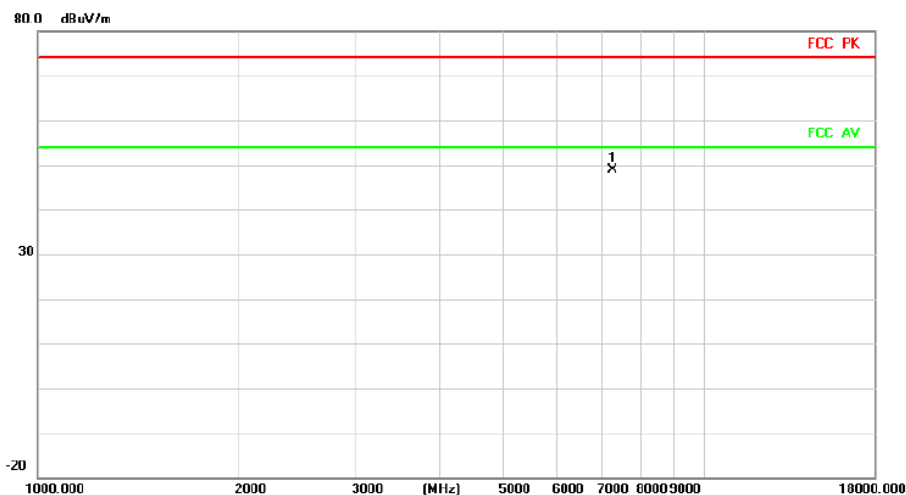
Above 1G (1GHz~18GHz)

Test mode: 11AX40MIMO

Test Channel:3

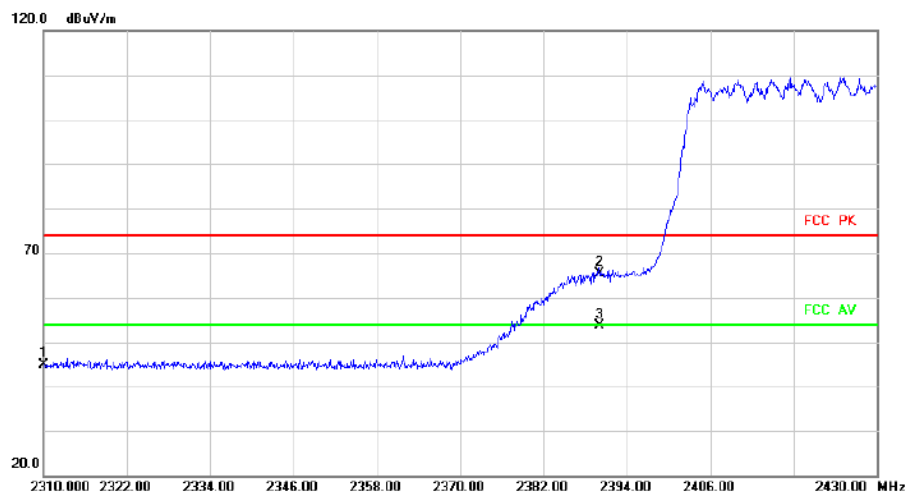
VERTICAL

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	*	7266.000	47.60	1.16	48.76	74.00	-25.24	peak	

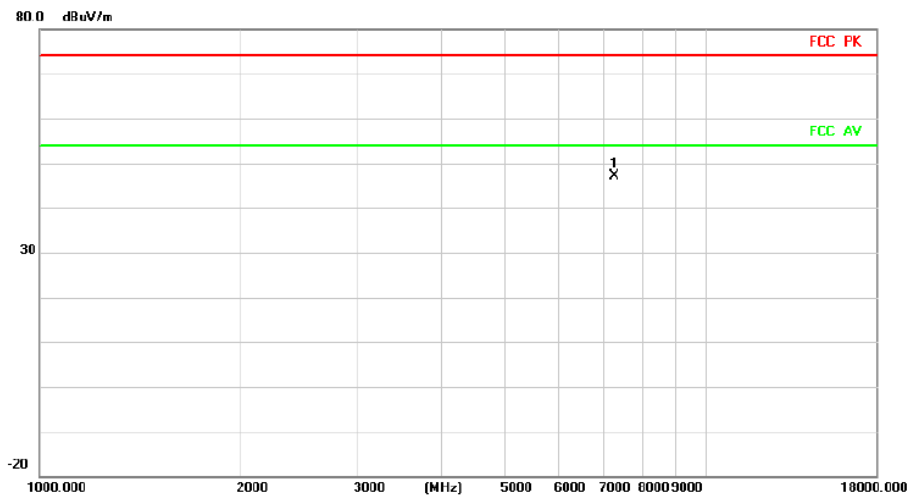
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		2310.000	36.68	8.22	44.90	74.00	-29.10	peak	
2		2390.000	56.96	8.46	65.42	74.00	-8.58	peak	
3	*	2390.000	45.09	8.46	53.55	54.00	-0.45	AVG	

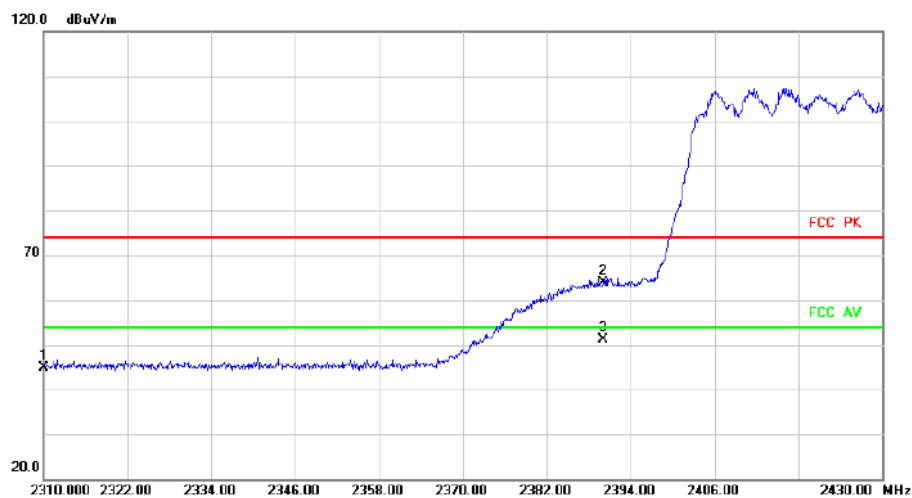
HORIZONTAL

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
1	*	7266.000	45.93	1.16	47.09	74.00	-26.91	peak	

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		2310.000	36.58	8.22	44.80	74.00	-29.20	peak	
2		2390.000	55.34	8.46	63.80	74.00	-10.20	peak	
3	*	2390.000	42.63	8.46	51.09	54.00	-2.91	AVG	

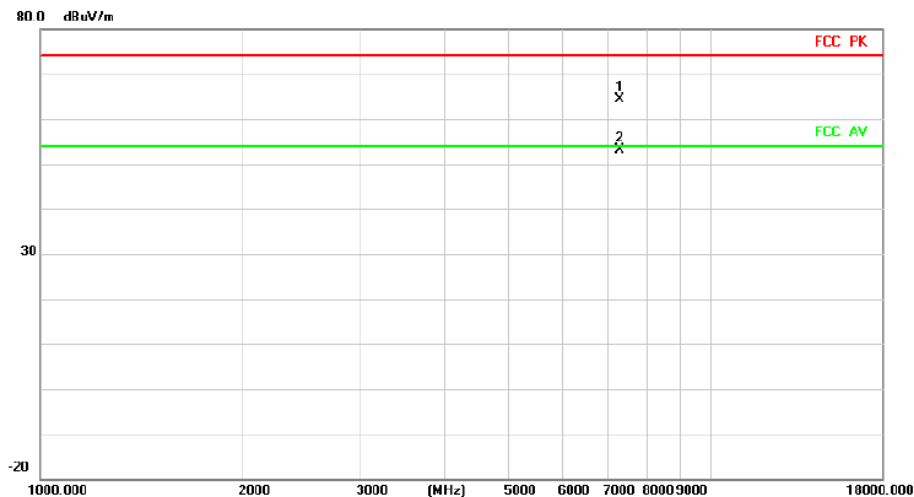
Above 1G (1GHz~18GHz)

Test mode:11AX40MIMO

Test Channel:6

VERTICAL

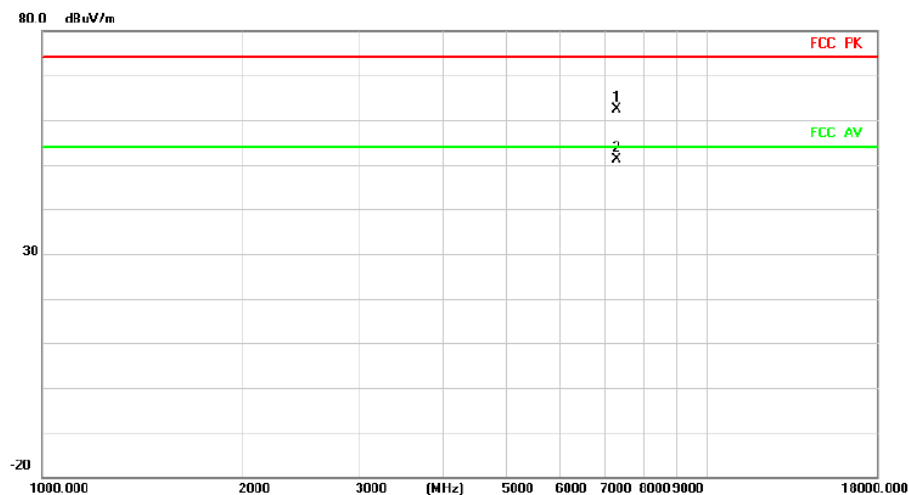
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		7311.000	63.40	0.98	64.38	74.00	-9.62	peak		
2 *		7311.000	52.17	0.98	53.15	54.00	-0.85	AVG		

HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		7311.000	61.39	0.98	62.37	74.00	-11.63	peak		
2 *		7311.000	50.22	0.98	51.20	54.00	-2.80	AVG		

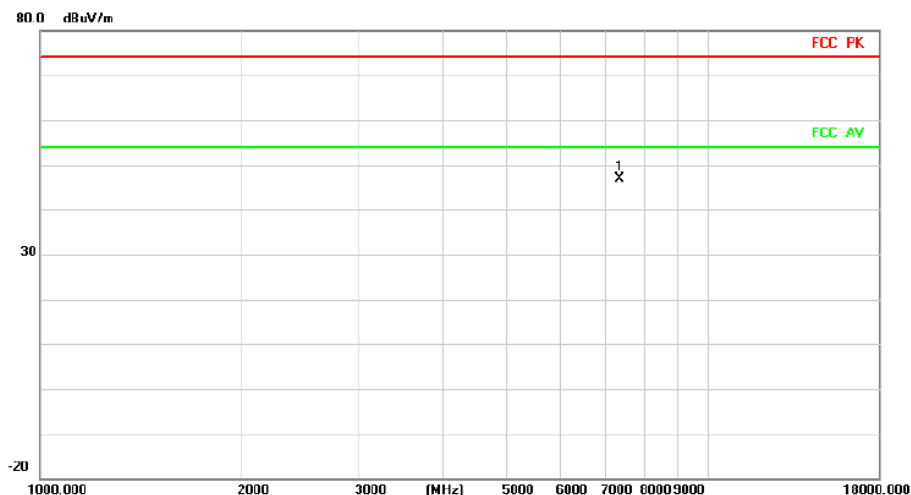
Above 1G (1GHz~18GHz)

Test mode: 11AX40MIMO

Test Channel:9

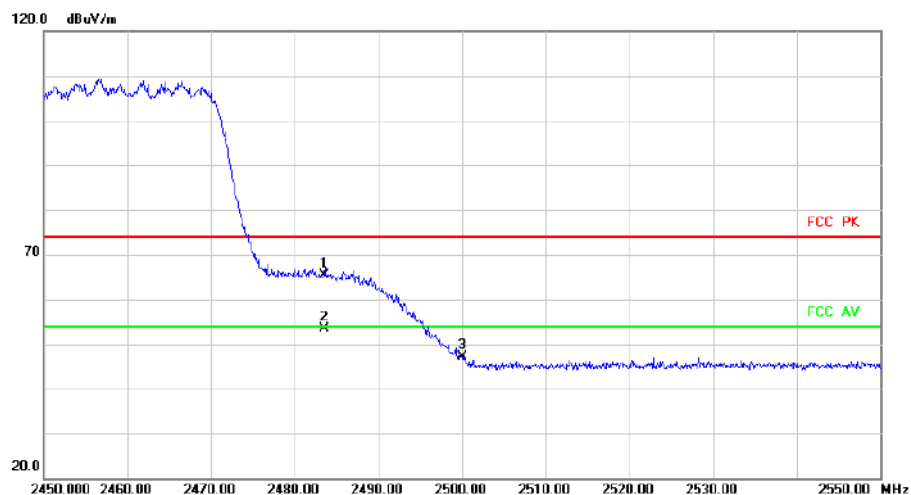
VERTICAL

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	Detector	cm	degree
1	*	7356.000	45.39	1.45	46.84	74.00	-27.16	peak		Comment

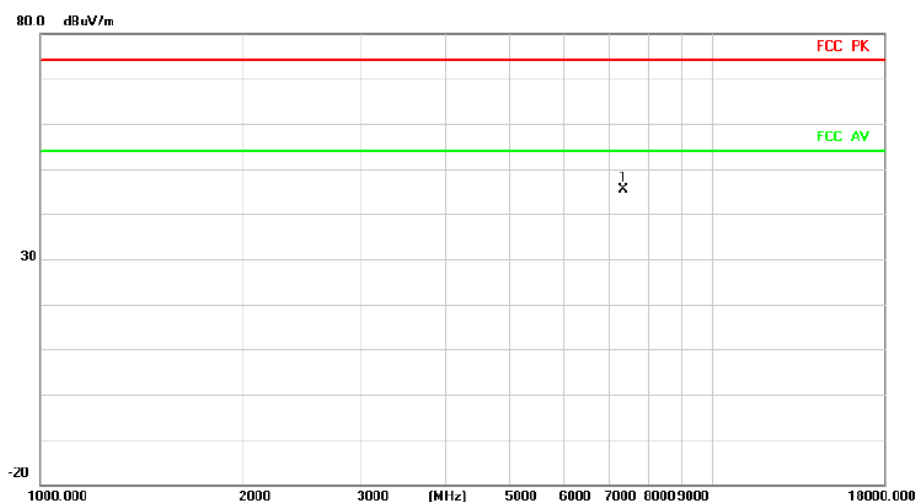
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2483.500	56.21	9.10	65.31	74.00	-8.69	peak		Comment
2	*	2483.500	44.24	9.10	53.34	54.00	-0.66	AVG		
3		2500.000	37.91	9.26	47.17	74.00	-26.83	peak		

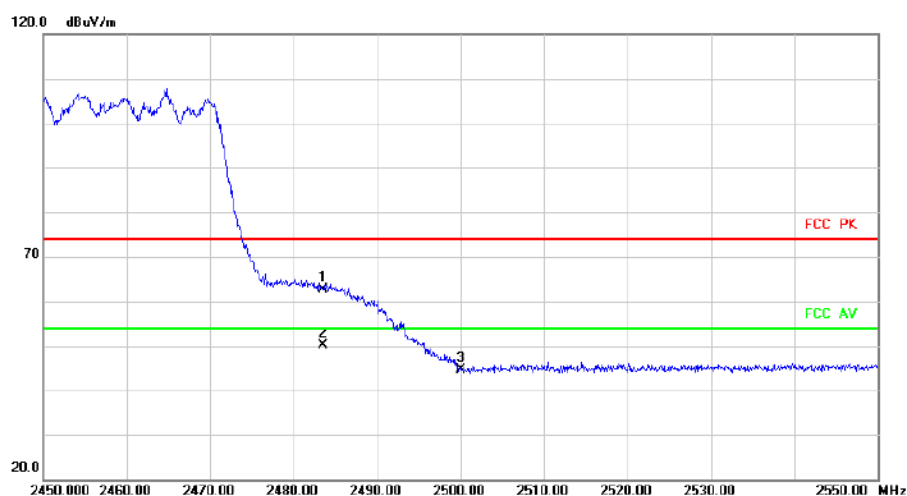
HORIZONTAL

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	*	7356.000	43.82	1.45	45.27	74.00	-28.73	peak		

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2483.500	53.54	9.10	62.64	74.00	-11.36	peak		
2	*	2483.500	41.06	9.10	50.16	54.00	-3.84	AVG		
3		2500.000	35.31	9.26	44.57	74.00	-29.43	peak		

The high frequency, which started from 18GHz to 26.5GHz, 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

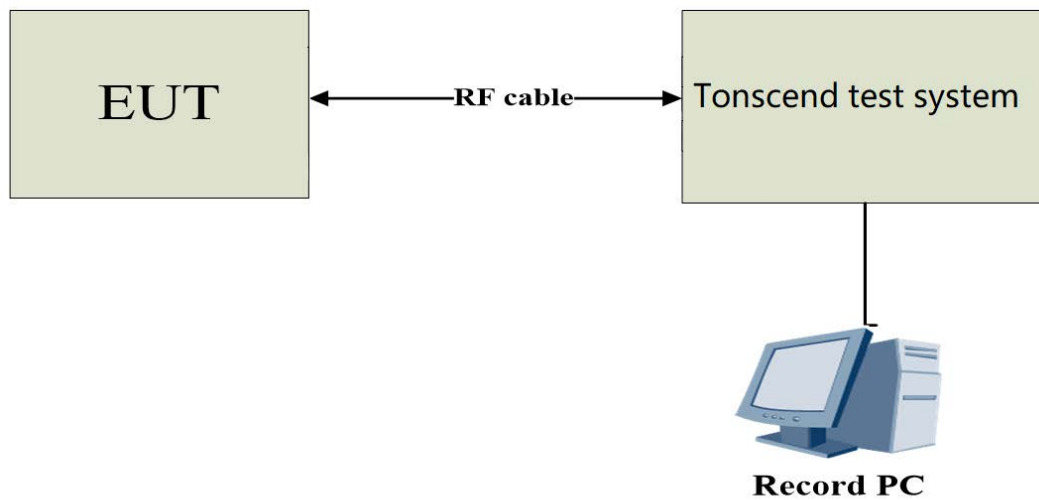
Test Method	
☒ Conducted Measurement	☐ Radiated Measurement
Test Channels	
☒ Lowest, Middle and Highest Channel	☐ Lowest and Highest Channel
Environmental conditions	
☒ Normal	☐ Normal and Extreme
Note: ☒ : Test ☐ : No Test	

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:

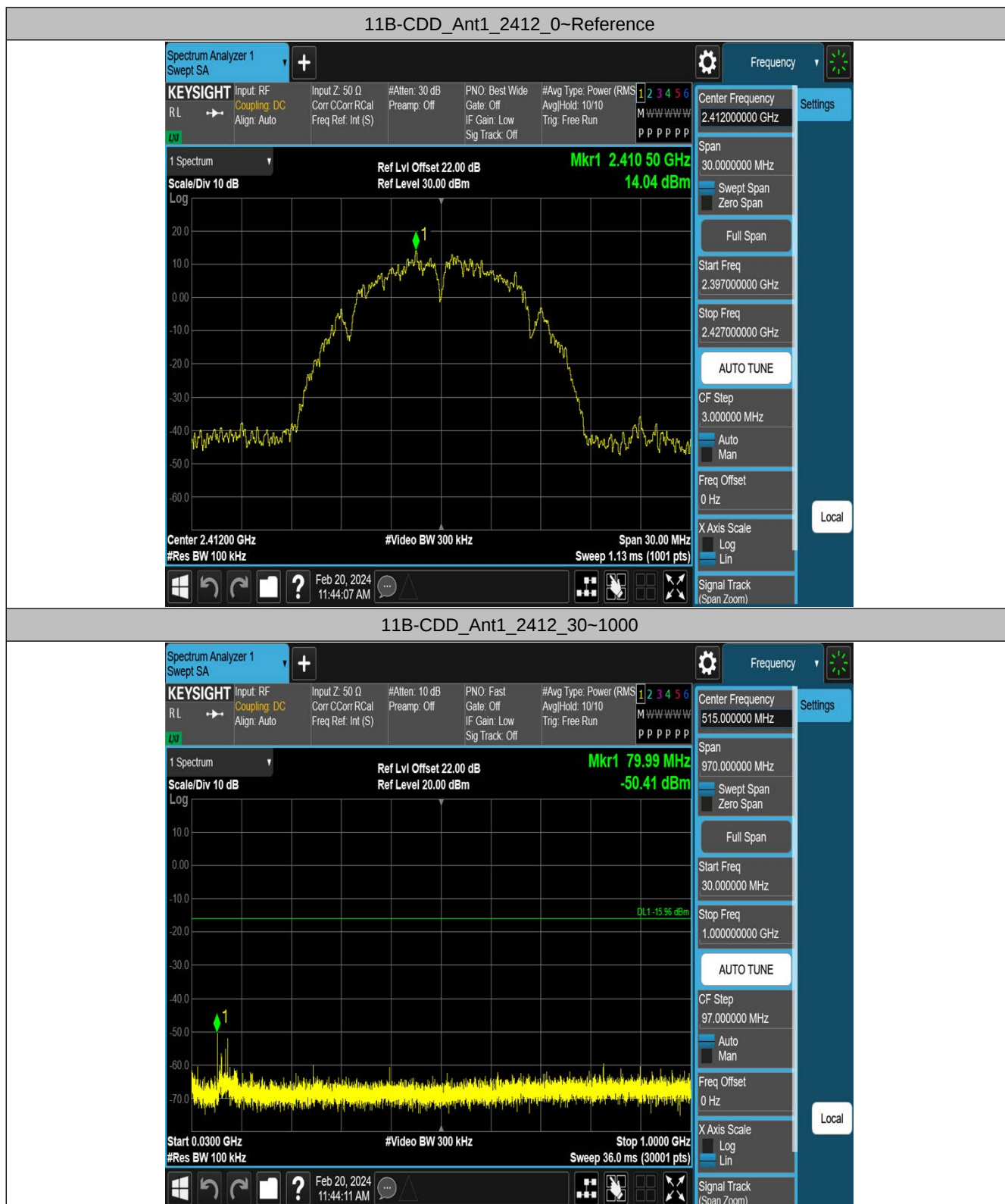
Centre Frequency	The centre frequency of the channel under test
Spectrum Parameters	Setting
Start Frequency	30 MHz
Stop Frequency	26.5 GHz
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

3.3.3 Test Setup



3.3.4 The Result

Conducted Spurious Emission



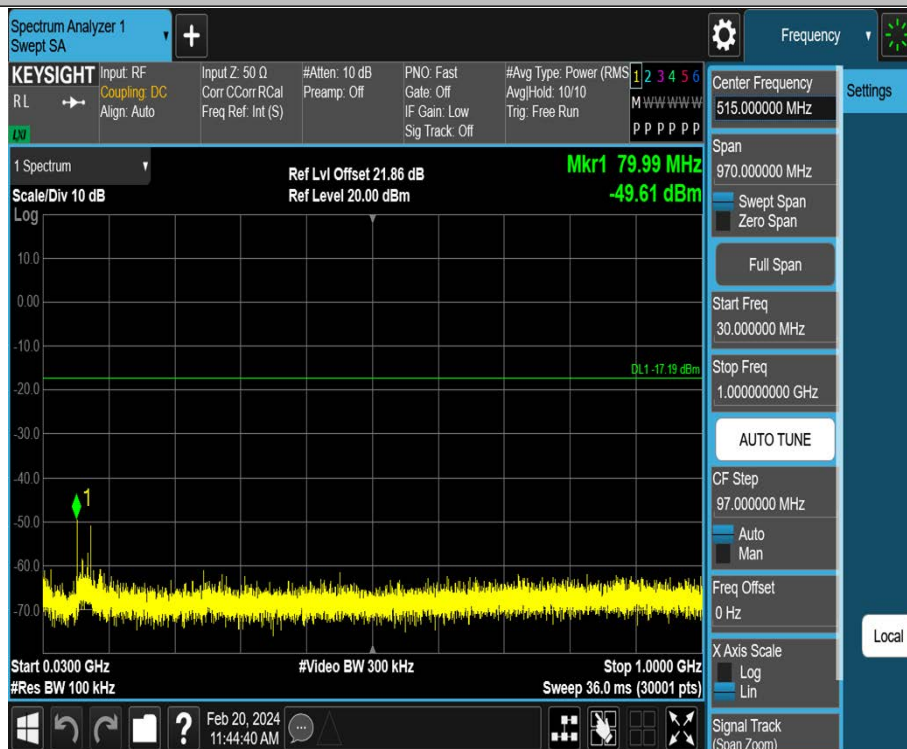
11B-CDD_Ant1_2412_1000~26500



11B-CDD_Ant2_2412_0~Reference



11B-CDD_Ant2_2412_30~1000



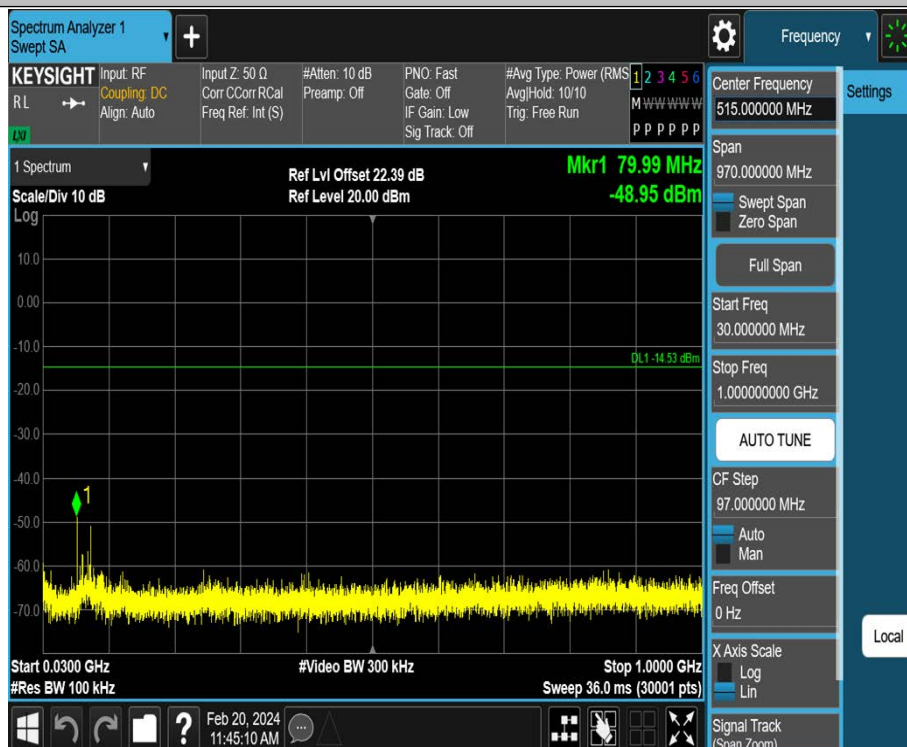
11B-CDD_Ant2_2412_1000~26500



11B-CDD_Ant3_2412_0~Reference



11B-CDD_Ant3_2412_30~1000



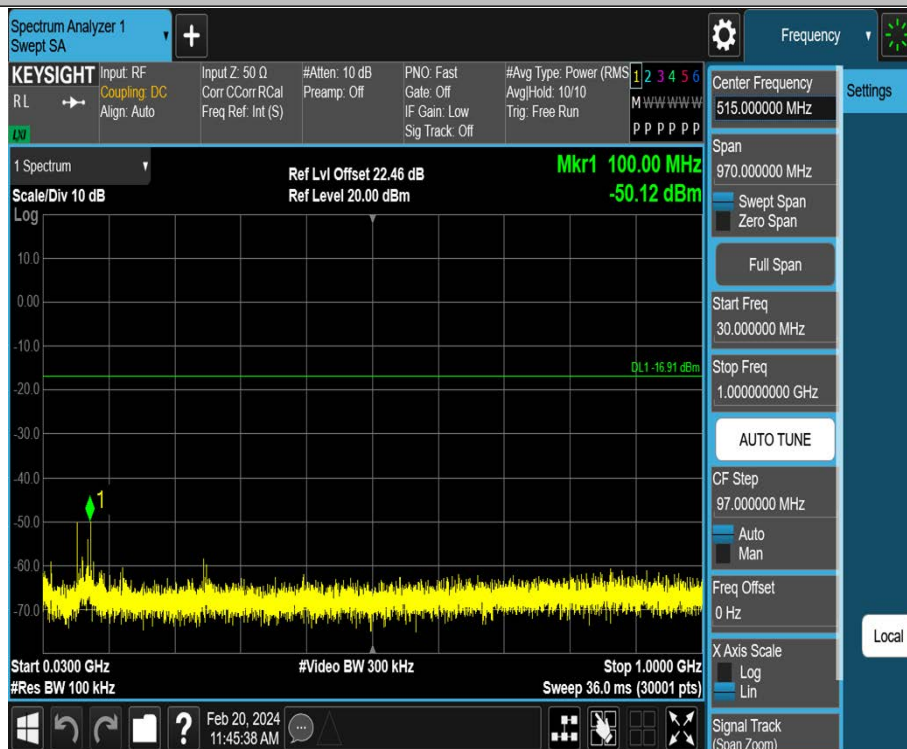
11B-CDD_Ant3_2412_1000~26500



11B-CDD_Ant4_2412_0~Reference



11B-CDD_Ant4_2412_30~1000



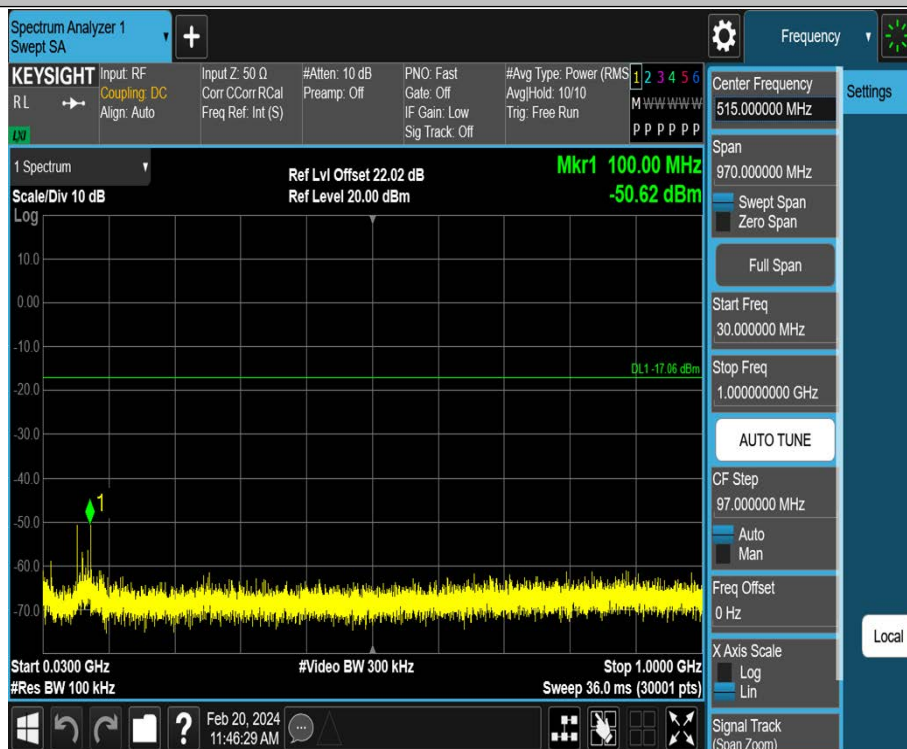
11B-CDD_Ant4_2412_1000~26500



11B-CDD_Ant1_2437_0~Reference



11B-CDD_Ant1_2437_30~1000



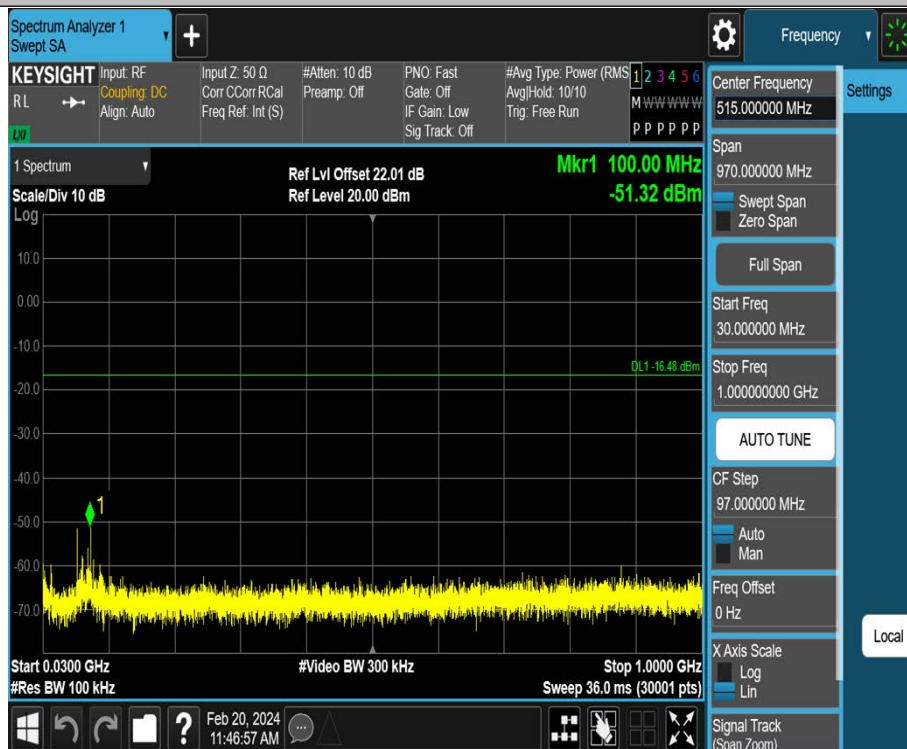
11B-CDD_Ant1_2437_1000~26500



11B-CDD_Ant2_2437_0~Reference



11B-CDD_Ant2_2437_30~1000



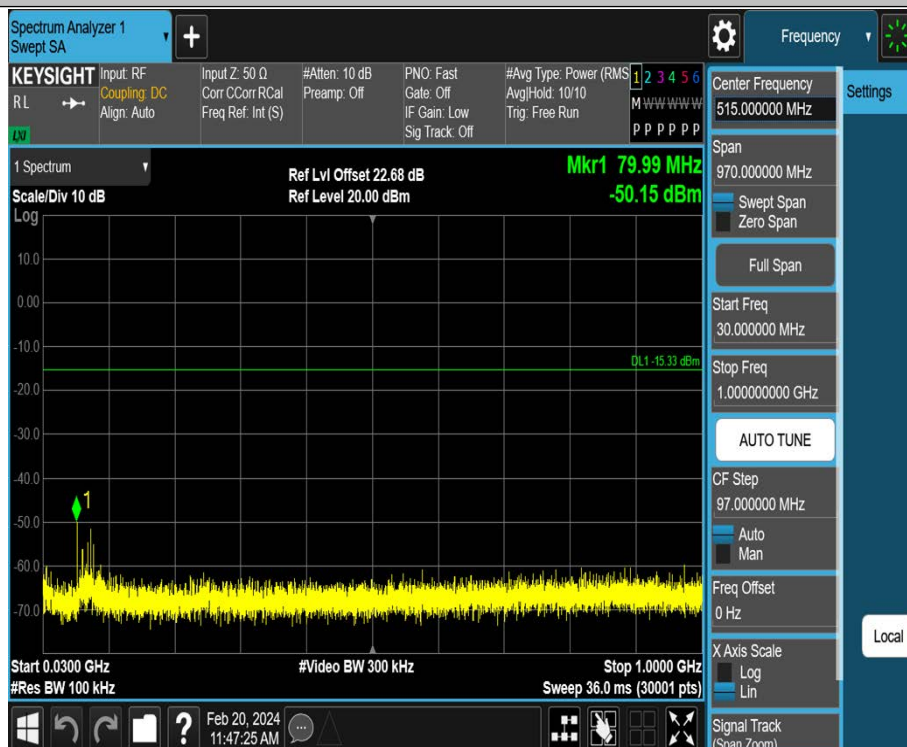
11B-CDD_Ant2_2437_1000~26500



11B-CDD_Ant3_2437_0~Reference



11B-CDD_Ant3_2437_30~1000



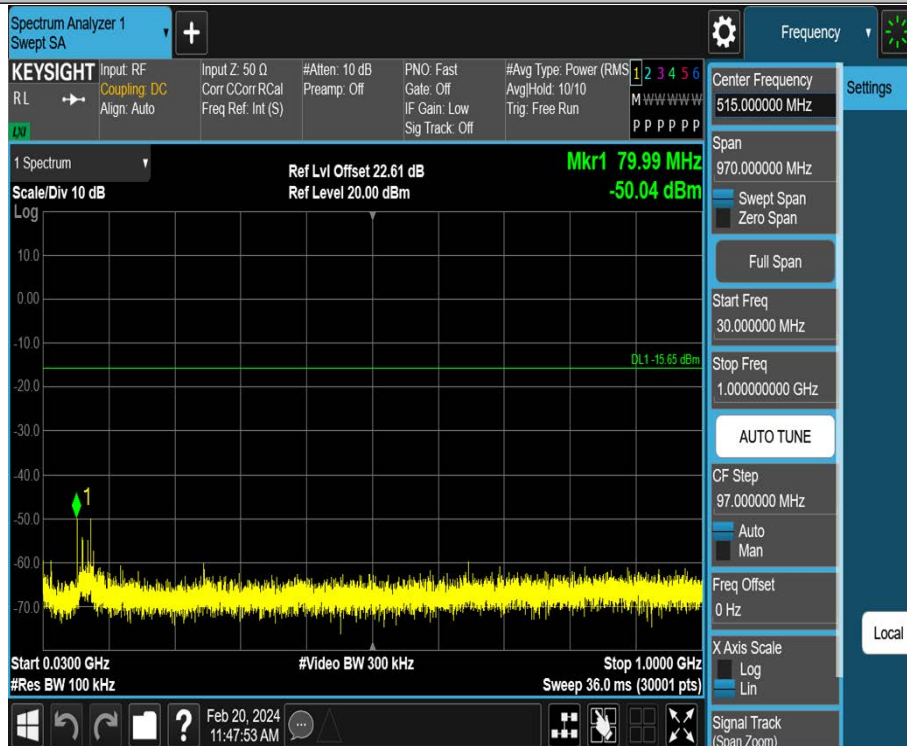
11B-CDD_Ant3_2437_1000~26500



11B-CDD_Ant4_2437_0~Reference



11B-CDD_Ant4_2437_30~1000



11B-CDD_Ant4_2437_1000~26500



11B-CDD_Ant1_2462_0~Reference



11B-CDD_Ant1_2462_30~1000

