RF TEST REPORT

FCC ID: 2BCFYHT-360AX

Test Report No……..:	RF230807005-01-001
Product(s) Name……..:	Wireless Home Gateway
Model(s)……..:	HT-360AXE, HT-360AXI, HT-360AXG
Trade Mark……....:	HEIGHTS
Applicant……..…:	Heights Telecom T LTD
Address……..…...:	Ha-Sakhlav 6, Irus, 7680900, Israel
Receipt Date……..:	2023.08.07
Test Date……....:	2023.08.11~2023.09.14
Issued Date……..…:	2023.09.23
Standards……..…:	47 CFR FCC Part 15, Subpart C(Section 15.247); ANSI C63.10:2013
Testing Laboratory……:	Shenzhen Haiyun Standard Technical Co., Ltd.

Prepared By:	Checked By:	Approved By:	
Black ding	Tim zhang	Misue Su	
Black Ding	Tim.zhang	Misue Su	

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History of this test report

Original Report Issue Date: 2023.09.23

● 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

Items	Description	
Equipment Name	Wireless Home Gateway	
Model No.	HT-360AXE, HT-360AXI, HT-360AXG	
Model difference	They have the same RF module circuit and antenna, and differ in the network port and optical port part of the circuit, appearance and model name	
Trade Mark	HEIGHTS	
Power Supply	DC 12V from adapter	
Adapter Information	Model: SOY-1200250US-459 Input: 100-240V~ 50/60Hz 0.9A Max Output: DC 12V2.5A, 30W	
Operate temperature	0℃-60℃	
EUT Stage	○ Product Unit	● Final-Sample
Operating Band and Conducted Output Power (Max power)	2400MHz ~ 2483.5MHz	●IEEE 802.11AX20: 29.02dBm
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: DSSS (1/2/5.5/11) IEEE 802.11g mode: OFDM (6/9/12/18/24/36/48/54) IEEE 802.11n mode: MCS0~MCS23 IEEE 802.11ax mode: MCS0~MCS11	
Antenna gain	Ant1: 2.81dBi, Ant2: 3.01dBi, Ant3: 3.43dBi	
Directional Gain	6.44dBi	
Antenna type	PCB antenna	

Note: For directional gain was performed in accordance with method FCC KDB 662911 D01 Multiple Transmitter Output v02r01

Unequal antenna gains, with equal transmit powers. For antenna gains given by G_1, G_2, …, G_N dBi
If transmit signals are correlated, then Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}$] dBi [Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]

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				
Beamforming gain:2.5dB												

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 3 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-1273	2023/4/23	2024/4/22
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	2022/7/4	2025/7/3
6	Log periodic antenna	Schwarzbeck	VULB 9168	1151	2023/4/23	2024/4/22
7	Horn Antenna	Schwarzbeck	BBHA 9120 D	9120D-1273	2022/5/5	2025/5/4
8	Horn Antenna	Schwarzbeck	BBHA 9170	9170#685	2022/7/4	2025/7/3
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	/	/	/
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	/	/	/
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	Test software	dsusoft	JS1120-3	/	/	/

2.4 Test Mode

The EUT was supplied by and it was run in TX mode that was controlled by Master provided RF testing program. The worst case test result was showed in the report.

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	Jason Huang
6dB Bandwidth	24.2°C, 52% RH	DC 12V	Jason Huang
Maximum Conducted Power	24.2°C, 52% RH	DC 12V	Jason Huang
Power Spectral Density	24.2°C, 52% RH	DC 12V	Jason Huang

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

The applicant declare the operating environment of EUT as below:

Normal conditions: 12V DC, 0~60°C

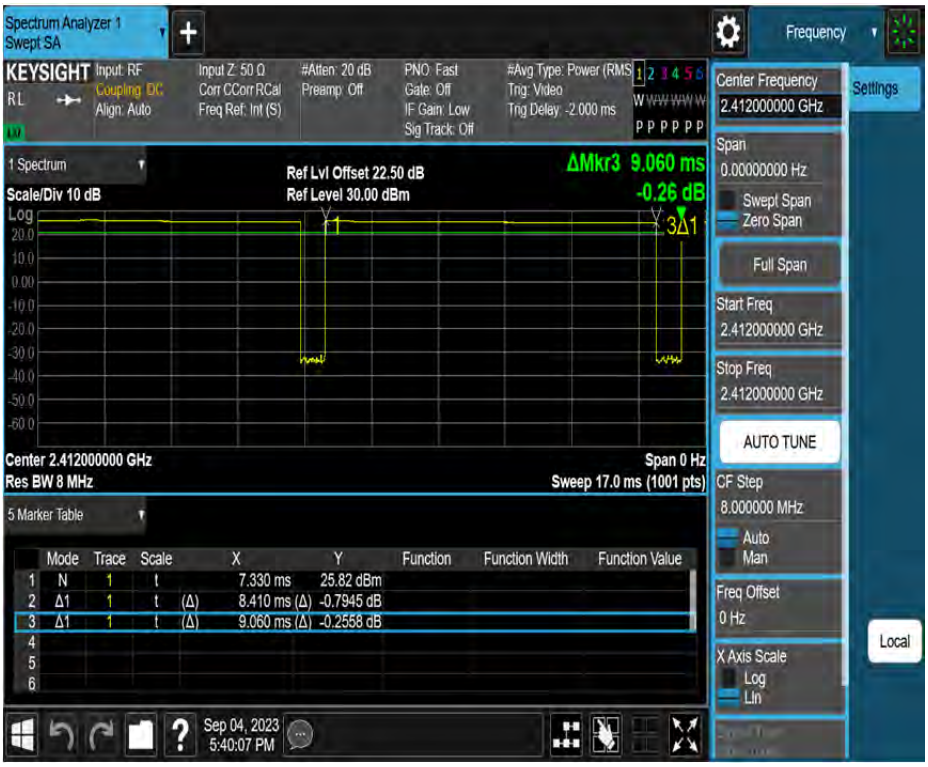
2.6 Duty Cycle of Test Signal

If duty cycle is ⩾ 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	0.24	54.17
11N20MIMO	2412	0.15	0.25	60.00
11N40MIMO	2422	0.12	0.22	54.55
11AX20MIMO	2412	0.32	0.35	91.43
11AX40MIMO	2422	0.31	0.34	91.18

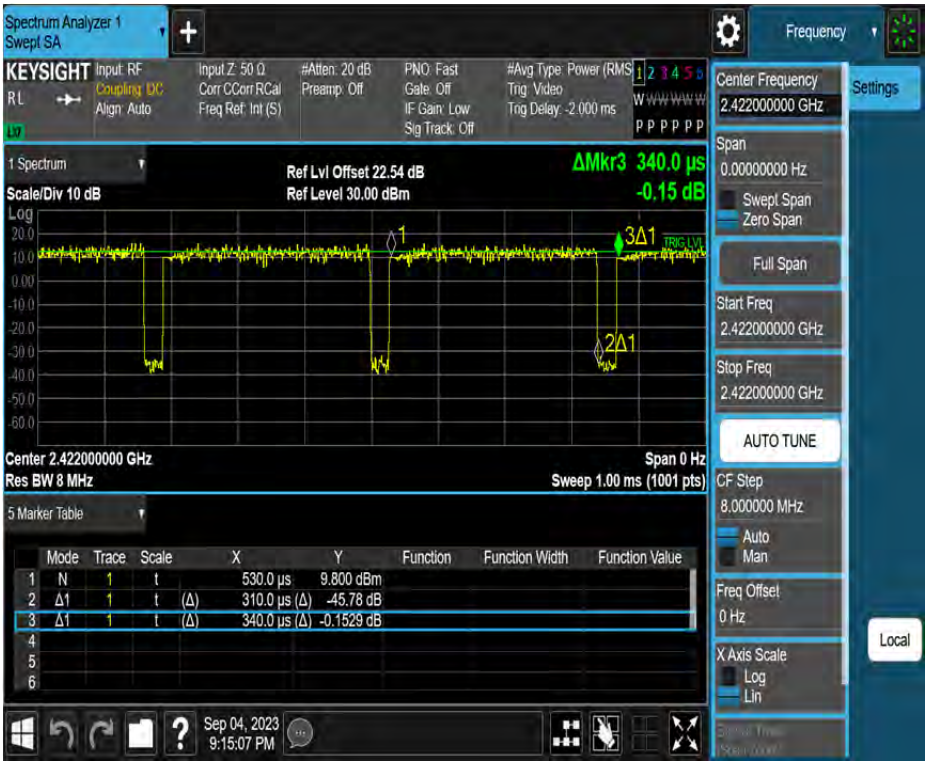
11B-CDD_2412


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	±143.88kHz
Power Spectral Density	±0.743dB
Conducted Spurious Emission	±1.328dB
RF power conducted	±0.384dB
Conducted emission(9kHz~30MHz) AC main	±2.72dB
Radiated emission(9kHz~30MHz)	±2.66dB
Radiated emission (30MHz～1GHz)	±4.62dB
Radiated emission (1GHz～18GHz)	±4.86dB
Radiated emission (18GHz～40GHz)	±3.80dB

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

Support Equipment				
No.	Equipment	Model Name	Manufacturer	Remarks
1	Telephone 1	/	/	/
2	Telephone 2	/	/	/
3	Microcomputer	TY510S-07IAB	LENOVO	YLX2QPQJ
4	Microcomputer	TY510S-07IAB	LENOVO	YLX2QPM7
5	Microcomputer	M4600t-N000	LENOVO	M703V3VF
6	Notebook	L450	Think	/
7	Notebook	L450	Think	/
8	USB Disk	/	Kingston	/
9	Optical local terminal	C300	/	/

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(μV)	Average Level dB(μV)
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

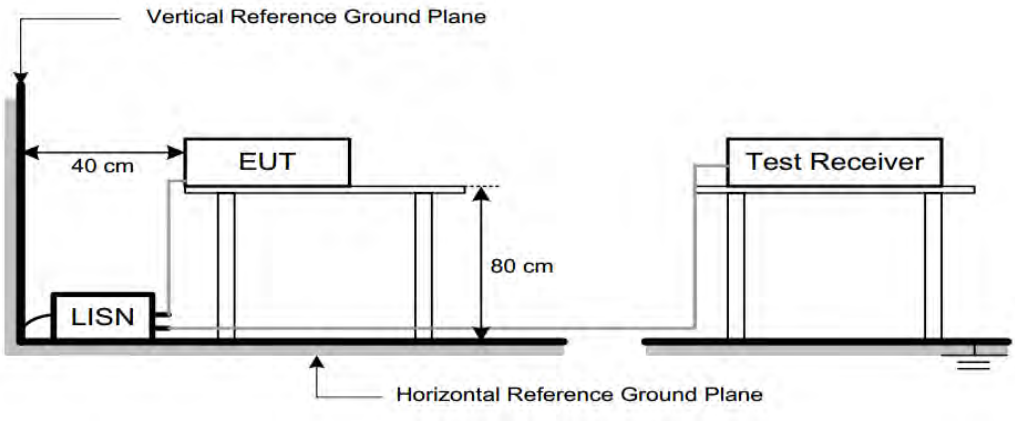
Test Method	
●Conducted Measurement	○Radiated Measurement
Test Channels	
○Lowest, Middle and Highest Channel	○Lowest and Highest Channel
Environmental conditions	
●Normal	○Normal and Extreme
Note:●:Test ○:No Test	

a) 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.

b) Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

c) 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:

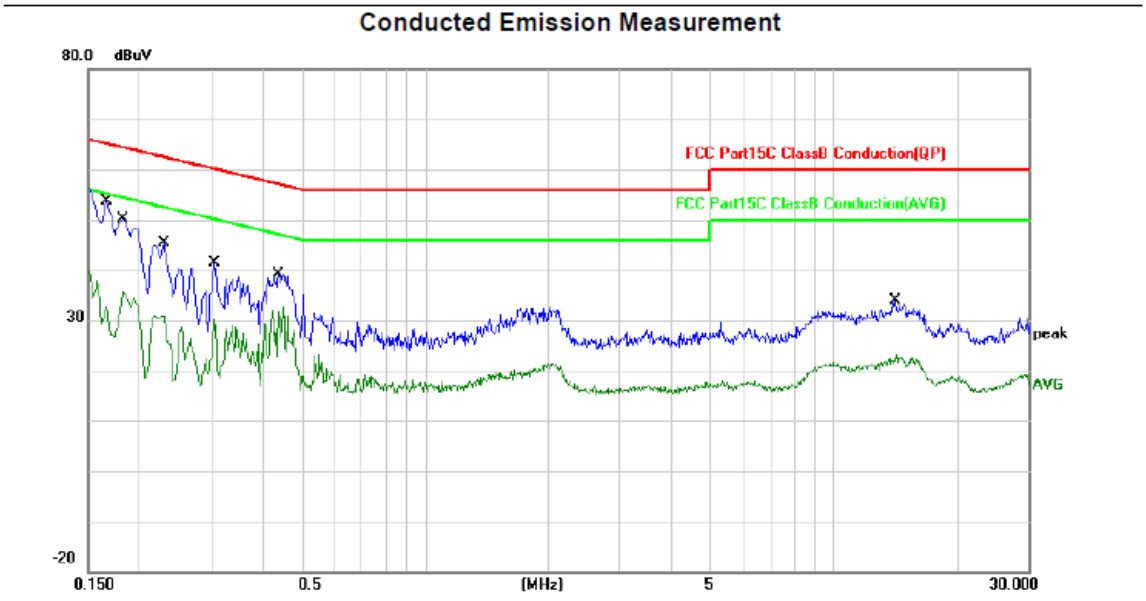
1. Correct Factor = LISN Factor + Cable Loss + Pulse Limiter Factor, the value was added to Original Receiver Reading by the software automatically.
2. Measurement = Reading + Correct Factor.
3. Over = Measurement – Limit

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

For model mane: HT-360AXE

150kHz~30MHz	Worst Case Operating Mode: AX20 Channel 6

Line

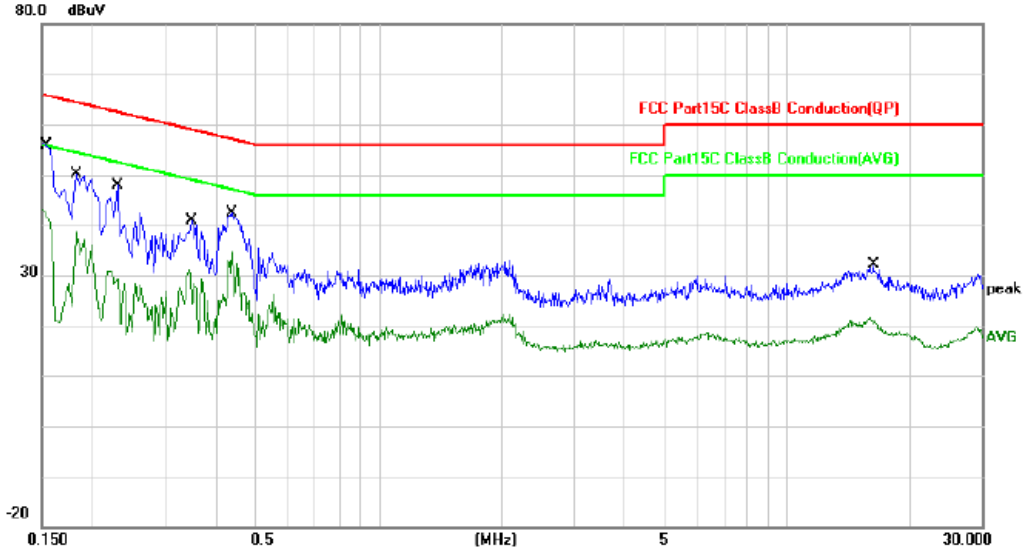


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1660	26.55	19.88	46.43	65.16	-18.73	QP	
2		0.1660	3.47	19.88	23.35	55.16	-31.81	AVG	
3	*	0.1825	28.01	19.88	47.89	64.37	-16.48	QP	
4		0.1825	12.23	19.88	32.11	54.37	-22.26	AVG	
5		0.2300	20.15	19.88	40.03	62.45	-22.42	QP	
6		0.2300	6.09	19.88	25.97	52.45	-26.48	AVG	
7		0.3060	12.57	19.88	32.45	60.08	-27.63	QP	
8		0.3060	1.14	19.88	21.02	50.08	-29.06	AVG	
9		0.4380	16.54	19.88	36.42	57.10	-20.68	QP	
10		0.4380	7.86	19.88	27.74	47.10	-19.36	AVG	
11		14.2060	6.63	20.00	26.63	60.00	-33.37	QP	
12		14.2060	0.89	20.00	20.89	50.00	-29.11	AVG	

150kHz~30MHz	Worst Case Operating Mode: AX20 Channel 6

Neutral

Conducted Emission Measurement

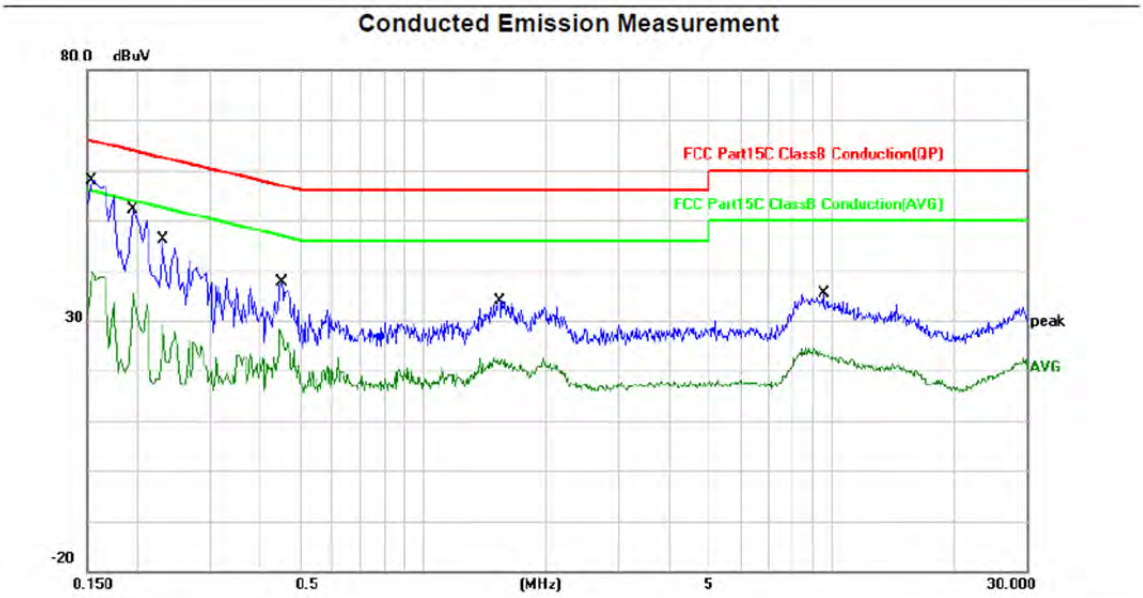


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1548	33.78	19.88	53.66	65.74	-12.08	QP	
2		0.1548	17.89	19.88	37.77	55.74	-17.97	AVG	
3		0.1820	28.34	19.88	48.22	64.39	-16.17	QP	
4		0.1820	13.64	19.88	33.52	54.39	-20.87	AVG	
5		0.2300	20.59	19.88	40.47	62.45	-21.98	QP	
6		0.2300	7.24	19.88	27.12	52.45	-25.33	AVG	
7		0.3500	16.86	19.88	36.74	58.96	-22.22	QP	
8		0.3500	6.82	19.88	26.70	48.96	-22.26	AVG	
9		0.4380	20.15	19.88	40.03	57.10	-17.07	QP	
10		0.4380	10.42	19.88	30.30	47.10	-16.80	AVG	
11		16.2540	5.46	20.02	25.48	60.00	-34.52	QP	
12		16.2540	0.01	20.02	20.03	50.00	-29.97	AVG	

For model mane: HT-360AXG

150kHz~30MHz	Worst Case Operating Mode: AX20 Channel 6

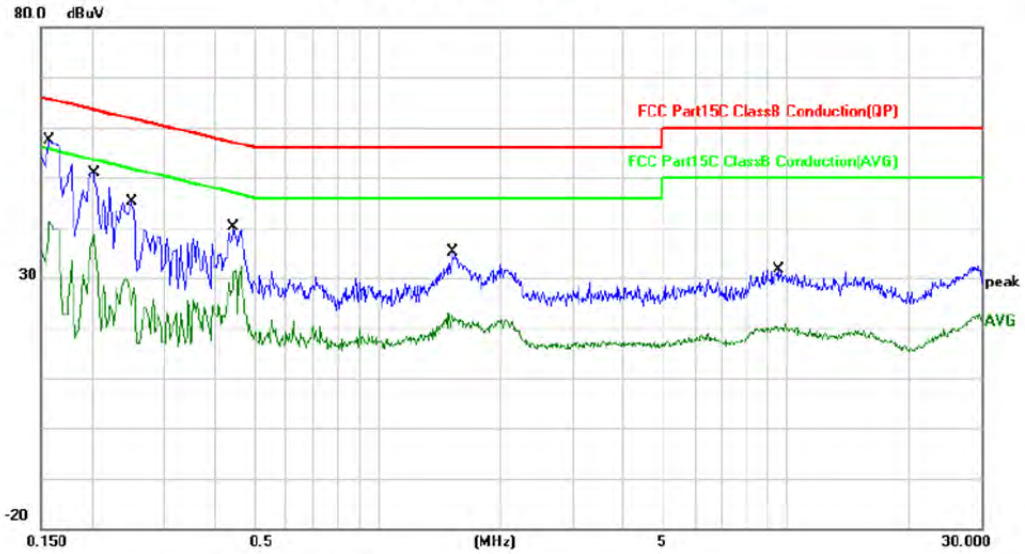
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1540	35.59	19.88	55.47	65.78	-10.31	QP	
2		0.1540	15.25	19.88	35.13	55.78	-20.65	AVG	
3		0.1940	29.21	19.88	49.09	63.86	-14.77	QP	
4		0.1940	9.90	19.88	29.78	53.86	-24.08	AVG	
5		0.2300	22.69	19.88	42.57	62.45	-19.88	QP	
6		0.2300	3.99	19.88	23.87	52.45	-28.58	AVG	
7		0.4500	12.45	19.88	32.33	56.88	-24.55	QP	
8		0.4500	2.59	19.88	22.47	46.88	-24.41	AVG	
9		1.5420	7.18	19.90	27.08	56.00	-28.92	QP	
10		1.5420	0.99	19.90	20.89	46.00	-25.11	AVG	
11		9.5620	8.53	19.95	28.48	60.00	-31.52	QP	
12		9.5620	2.05	19.95	22.00	50.00	-28.00	AVG	

150kHz~30MHz	Worst Case Operating Mode: AX20 Channel 6

Neutral

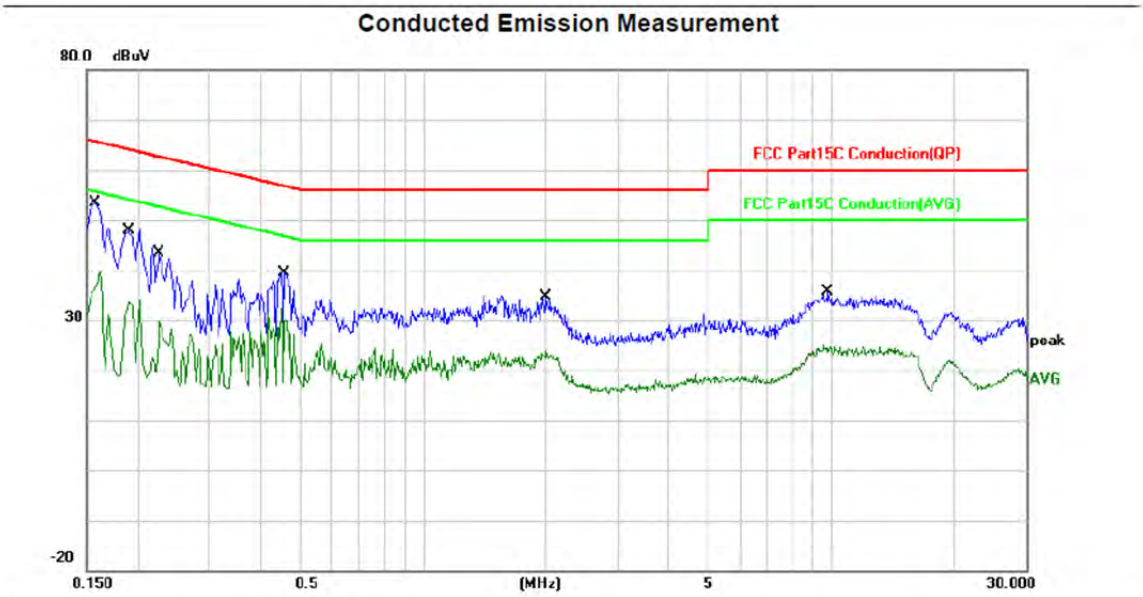


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1580	35.38	19.88	55.26	65.57	-10.31	QP	
2		0.1580	18.44	19.88	38.32	55.57	-17.25	AVG	
3		0.2020	28.24	19.88	48.12	63.53	-15.41	QP	
4		0.2020	12.89	19.88	32.77	53.53	-20.76	AVG	
5		0.2500	19.49	19.88	39.37	61.76	-22.39	QP	
6		0.2500	1.71	19.88	21.59	51.76	-30.17	AVG	
7		0.4460	16.26	19.88	36.14	56.95	-20.81	QP	
8		0.4460	6.51	19.88	26.39	46.95	-20.56	AVG	
9		1.5340	8.21	19.90	28.11	56.00	-27.89	QP	
10		1.5340	1.34	19.90	21.24	46.00	-24.76	AVG	
11		9.5580	4.84	19.95	24.79	60.00	-35.21	QP	
12		9.5580	-1.01	19.95	18.94	50.00	-31.06	AVG	

For model mane: HT-360AXI

150kHz~30MHz	Worst Case Operating Mode: AX20 Channel 6

Line

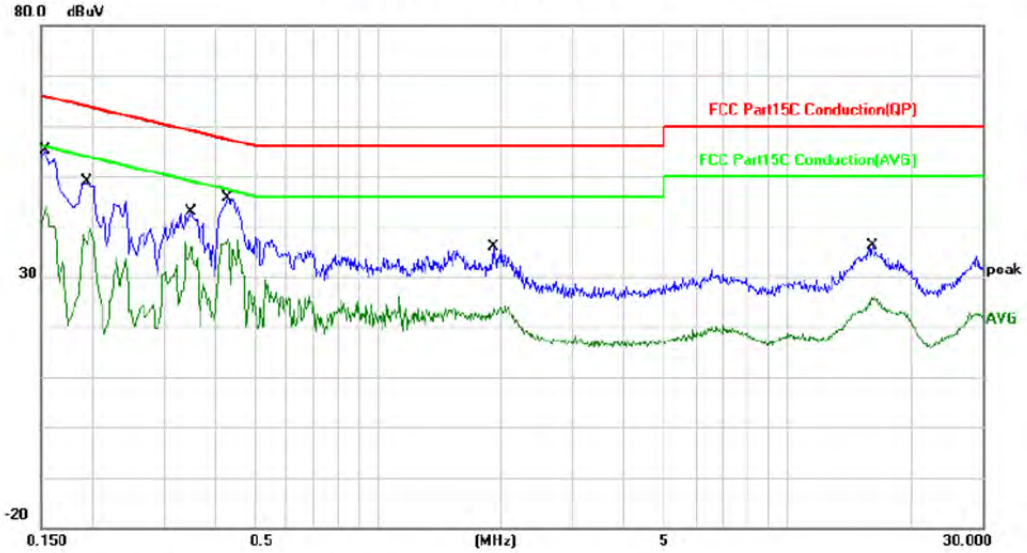


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1580	31.92	19.88	51.80	65.57	-13.77	QP	
2		0.1580	17.00	19.88	36.88	55.57	-18.69	AVG	
3		0.1900	26.75	19.88	46.63	64.04	-17.41	QP	
4		0.1900	11.43	19.88	31.31	54.04	-22.73	AVG	
5		0.2260	20.01	19.88	39.89	62.60	-22.71	QP	
6		0.2260	4.60	19.88	24.48	52.60	-28.12	AVG	
7		0.4580	16.86	19.88	36.74	56.73	-19.99	QP	
8		0.4580	7.52	19.88	27.40	46.73	-19.33	AVG	
9		2.0060	8.83	19.91	28.74	56.00	-27.26	QP	
10		2.0060	2.49	19.91	22.40	46.00	-23.60	AVG	
11		9.8300	9.33	19.96	29.29	60.00	-30.71	QP	
12		9.8300	2.67	19.96	22.63	50.00	-27.37	AVG	

150kHz~30MHz	Worst Case Operating Mode: AX20 Channel 6

Neutral

Conducted Emission Measurement



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1540	32.76	19.88	52.64	65.78	-13.14	QP	
2		0.1540	19.62	19.88	39.50	55.78	-16.28	AVG	
3		0.1940	26.17	19.88	46.05	63.86	-17.81	QP	
4		0.1940	16.18	19.88	36.06	53.86	-17.80	AVG	
5		0.3500	19.48	19.88	39.36	58.96	-19.60	QP	
6		0.3500	10.81	19.88	30.69	48.96	-18.27	AVG	
7		0.4300	23.94	19.88	43.82	57.25	-13.43	QP	
8		0.4300	13.23	19.88	33.11	47.25	-14.14	AVG	
9		1.9140	7.98	19.91	27.89	56.00	-28.11	QP	
10		1.9140	2.15	19.91	22.06	46.00	-23.94	AVG	
11		16.1860	9.53	20.02	29.55	60.00	-30.45	QP	
12		16.1860	3.80	20.02	23.82	50.00	-26.18	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	
		μV/m	dB(μV)/m
0.009 – 0.49	300	2400/F(kHz)	-
0.490 – 1.705	30	24000/F(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 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

Note: (1) Emission level dBμV = 20 log Emission level μV/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.

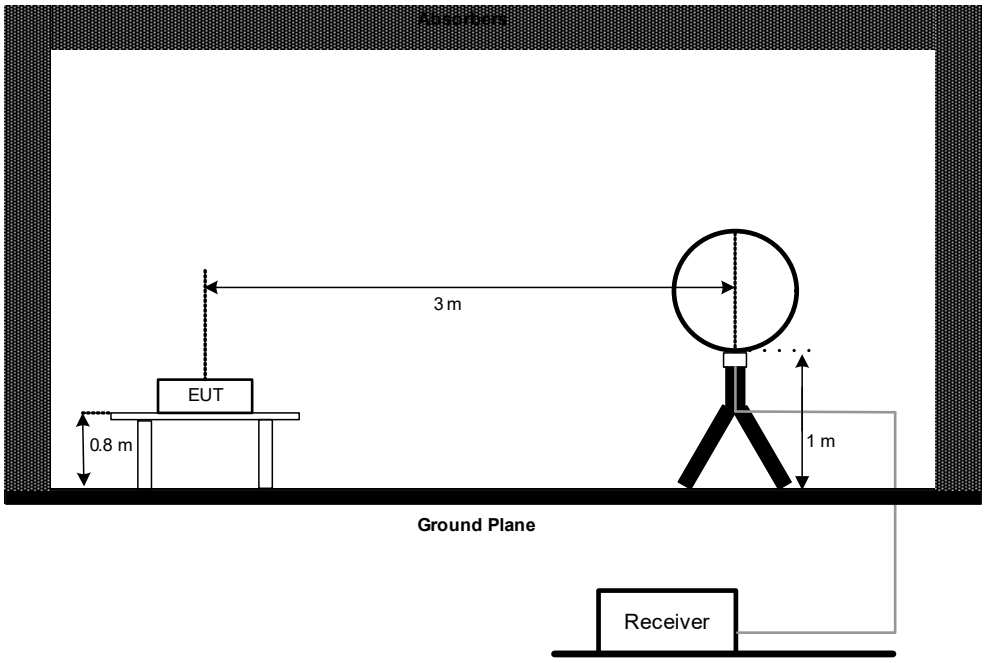
g) All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn‘t perform. (below 1 GHz)

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)

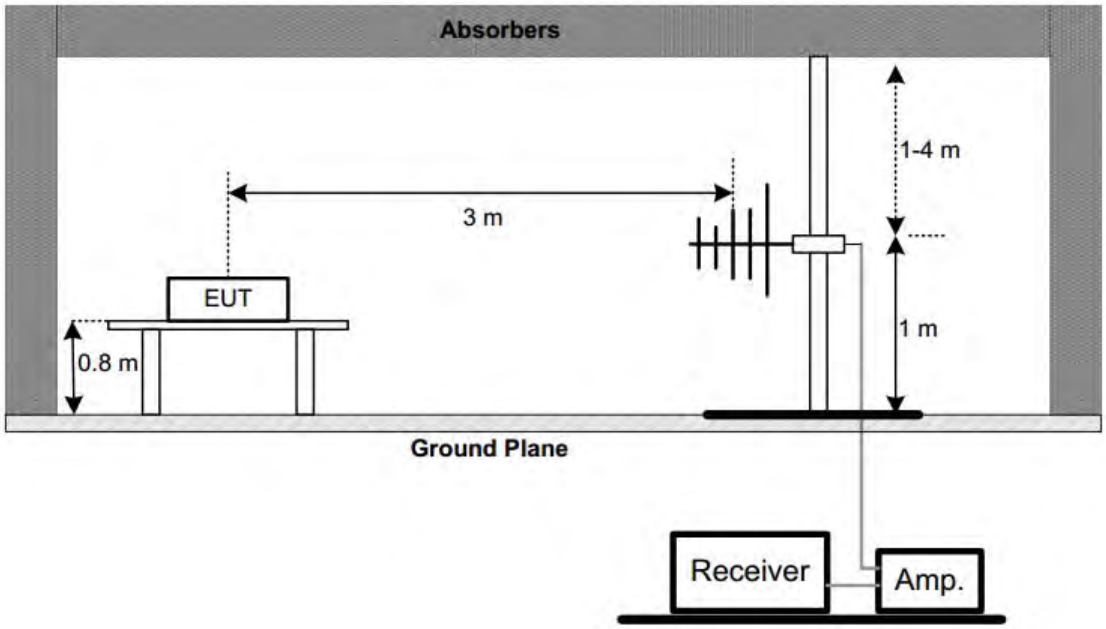
i) For the actual test configuration, please refer to the related Item -EUT Test Photos.

3.2.3 Test Setup

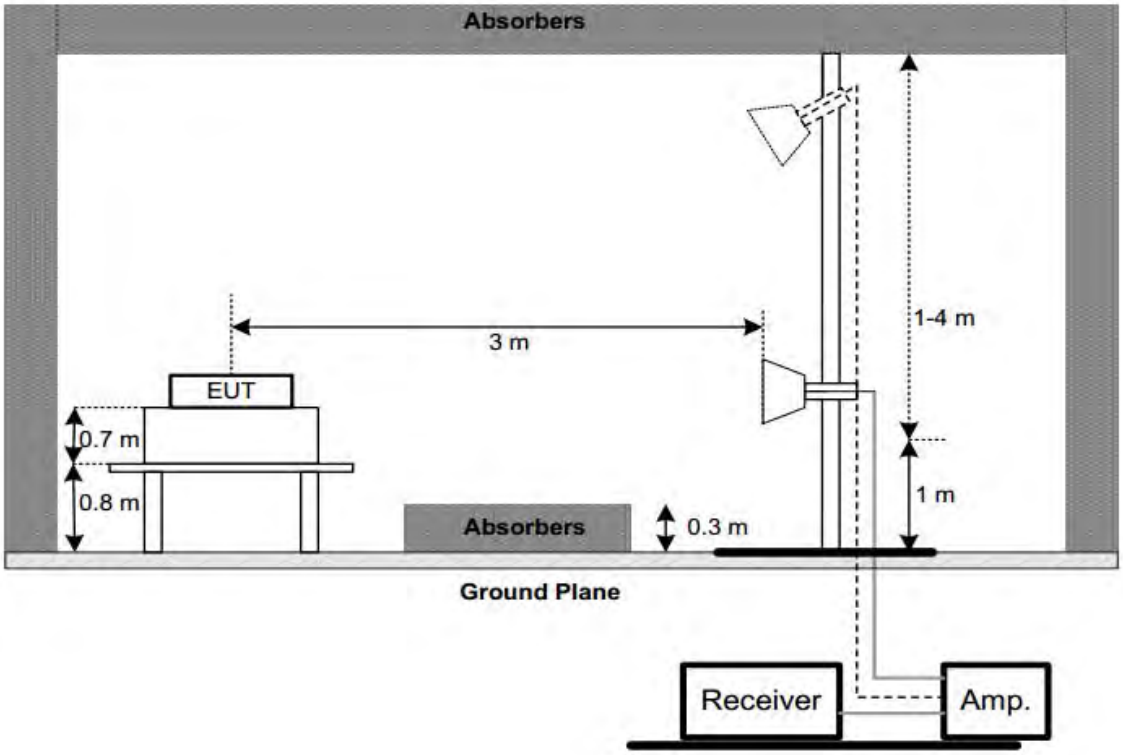
(A) Radiated Emission Test Set-Up Frequency Below 30 MHz



(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

Pre-scan beamform mode and non-beamform mode, worst case for non-beamform mode is recorded.

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:

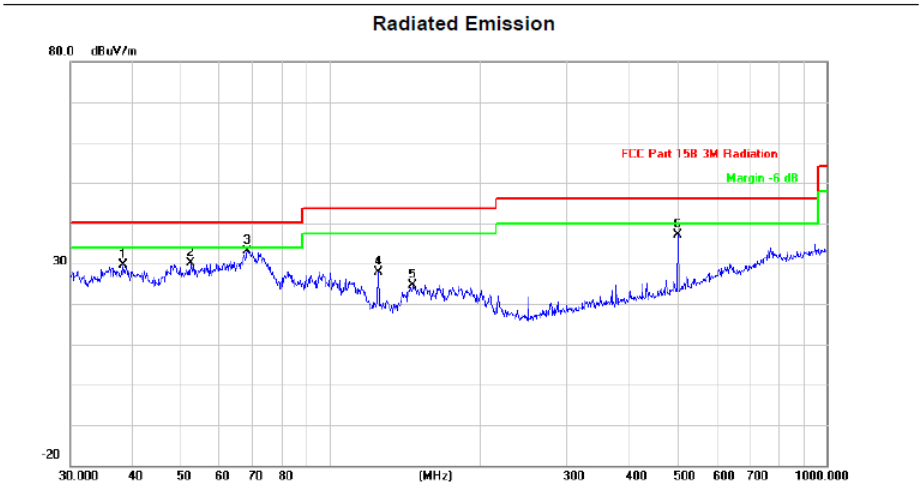
1. Measurement = Reading + Correct Factor.
2. Over = Measurement – Limit

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

For model mane: HT-360AXE

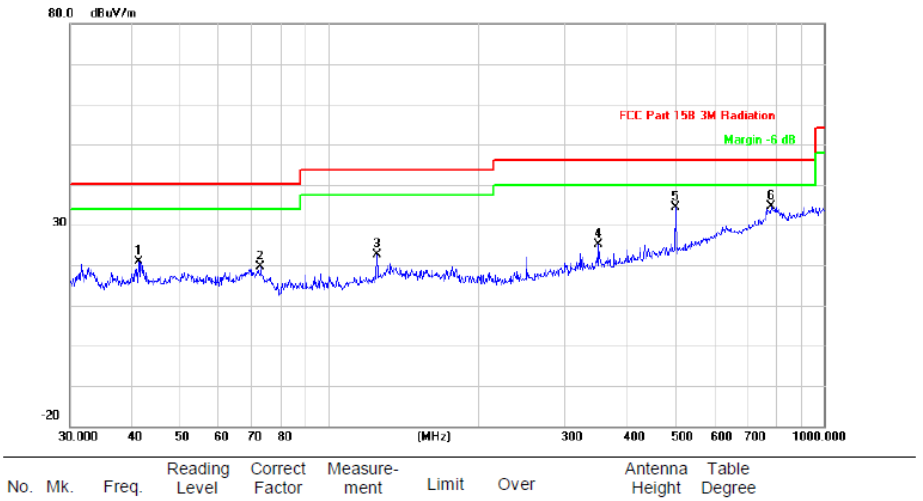
Below 1G (30MHz~1GHz)	Worst Case Operating Mode: AX20MIMO Channel 6

VERTICAL



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	Comment
1		38.3462	40.54	-10.94	29.60	40.00	-10.40	peak			
2		52.3912	41.38	-11.27	30.11	40.00	-9.89	peak			
3	*	68.1514	45.99	-12.83	33.16	40.00	-6.84	peak			
4		125.0066	38.55	-10.60	27.95	43.50	-15.55	peak			
5		146.8877	34.17	-9.57	24.60	43.50	-18.90	peak			
6		501.1790	40.64	-3.45	37.19	46.00	-8.81	peak			

HORIZONTAL

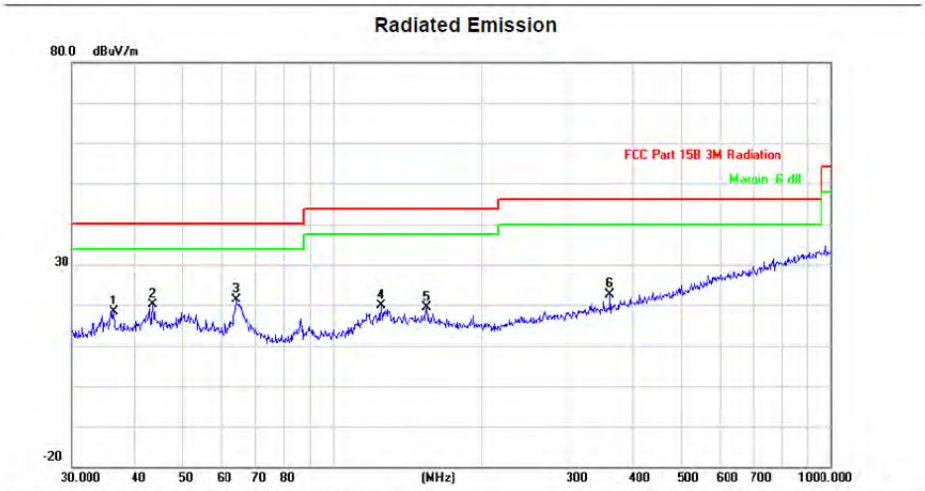


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		41.2765	31.52	-10.65	20.87	40.00	-19.13	peak			
2		72.8466	33.00	-13.36	19.64	40.00	-20.36	peak			
3		125.0065	33.17	-10.60	22.57	43.50	-20.93	peak			
4		350.4767	32.22	-6.97	25.25	46.00	-20.75	peak			
5		501.1790	37.83	-3.45	34.38	46.00	-11.62	peak			
6	*	782.3453	32.15	2.59	34.74	46.00	-11.26	peak			

For model mane: HT-360AXG

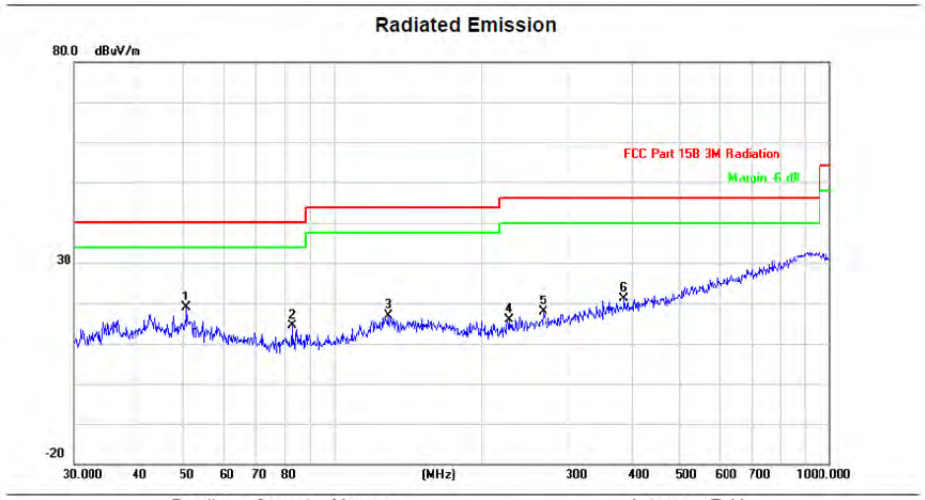
Below 1G (30MHz~1GHz)	Worst Case Operating Mode: AX20MIMO Channel 6

VERTICAL



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	Comment
1		36.3814	29.78	-11.34	18.44	40.00	-21.56	peak			
2		43.5057	30.84	-10.74	20.10	40.00	-19.90	peak			
3	*	63.9828	33.92	-12.47	21.45	40.00	-18.55	peak			
4		125.0066	30.56	-10.60	19.96	43.50	-23.54	peak			
5		154.2786	28.84	-9.40	19.44	43.50	-24.06	peak			
6		360.4476	29.37	-6.72	22.65	46.00	-23.35	peak			

HORIZONTAL

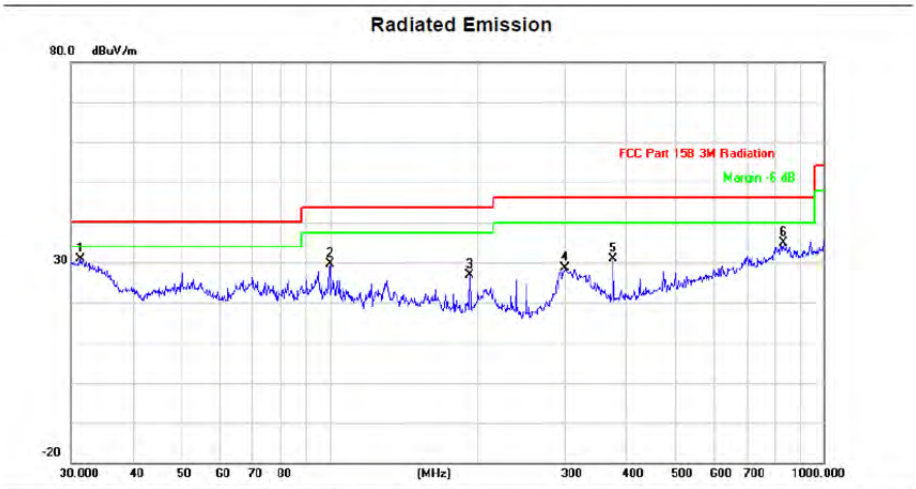


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	50.5860	29.91	-11.07	18.84	40.00	-21.16	peak			
2		82.3588	28.87	-14.42	14.45	40.00	-25.55	peak			
3		129.0145	27.24	-10.37	16.87	43.50	-26.63	peak			
4		226.8936	26.25	-10.42	15.83	46.00	-30.17	peak			
5		265.6757	27.16	-9.19	17.97	46.00	-28.03	peak			
6		386.6338	27.08	-6.07	21.01	46.00	-24.99	peak			

For model mane: HT-360AXI

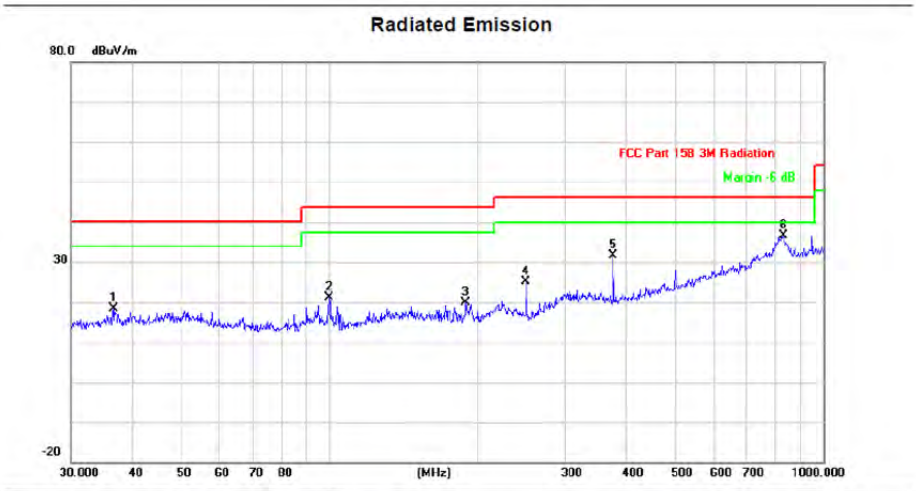
Below 1G (30MHz~1GHz)	Worst Case Operating Mode: AX20MIMO Channel 6

VERTICAL



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	Comment
1	*	31.2892	43.12	-12.18	30.94	40.00	-9.06	peak			
2		100.2285	42.98	-13.47	29.51	43.50	-13.99	peak			
3		192.4185	38.24	-11.36	26.88	43.50	-16.62	peak			
4		300.3672	36.86	-8.23	28.63	46.00	-17.37	peak			
5		375.9385	37.23	-6.33	30.90	46.00	-15.10	peak			
6		830.4001	31.42	3.35	34.77	46.00	-11.23	peak			

HORIZONTAL



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	Comment
1		36.6374	29.71	-11.29	18.42	40.00	-21.58	peak			
2		99.8777	34.55	-13.52	21.03	43.50	-22.47	peak			
3		189.0743	31.00	-11.22	19.78	43.50	-23.72	peak			
4		250.3011	34.74	-9.60	25.14	46.00	-20.86	peak			
5		375.9385	37.99	-6.33	31.66	46.00	-14.34	peak			
6	*	830.4001	33.26	3.35	36.61	46.00	-9.39	peak			

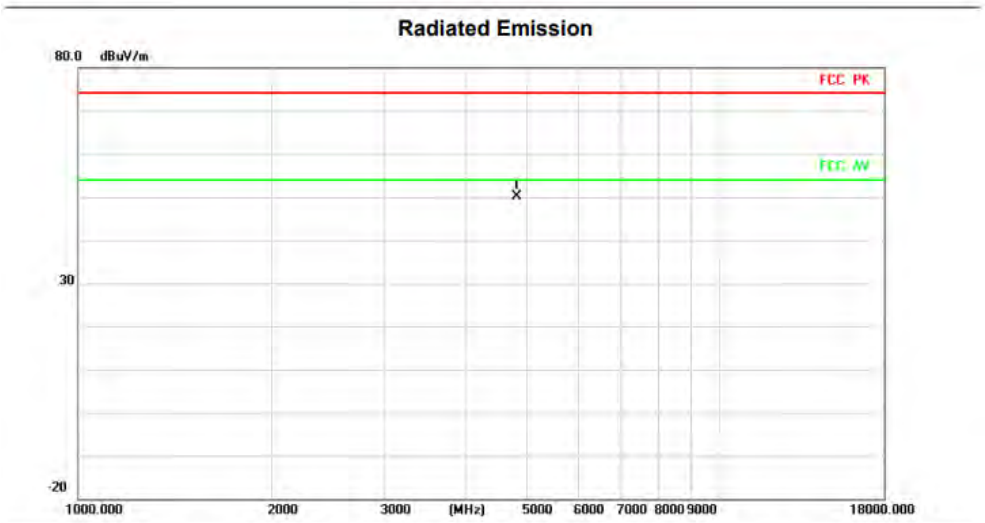
3) Radiated emission: Above 1G

Note:

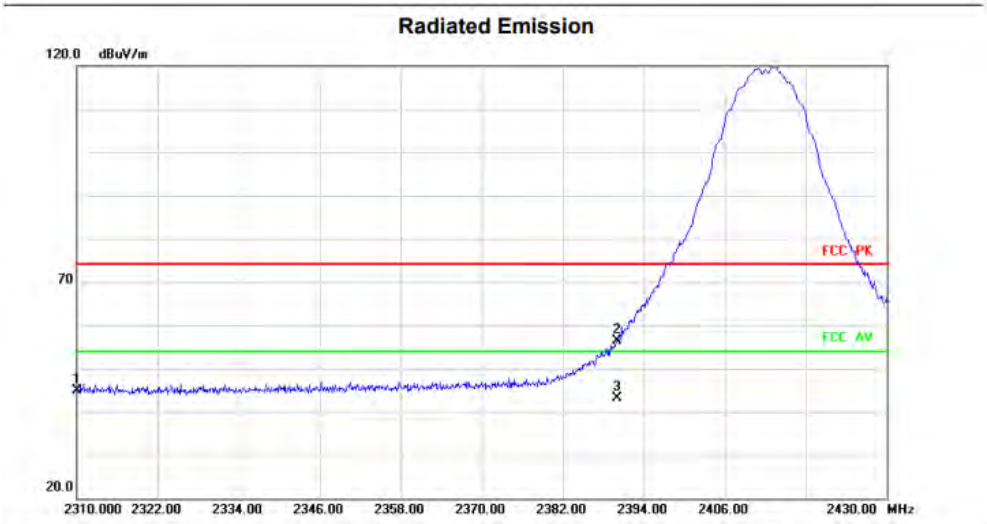
1. Measurement = Reading + Correct Factor.
2. Over = Measurement – Limit

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

VERTICAL

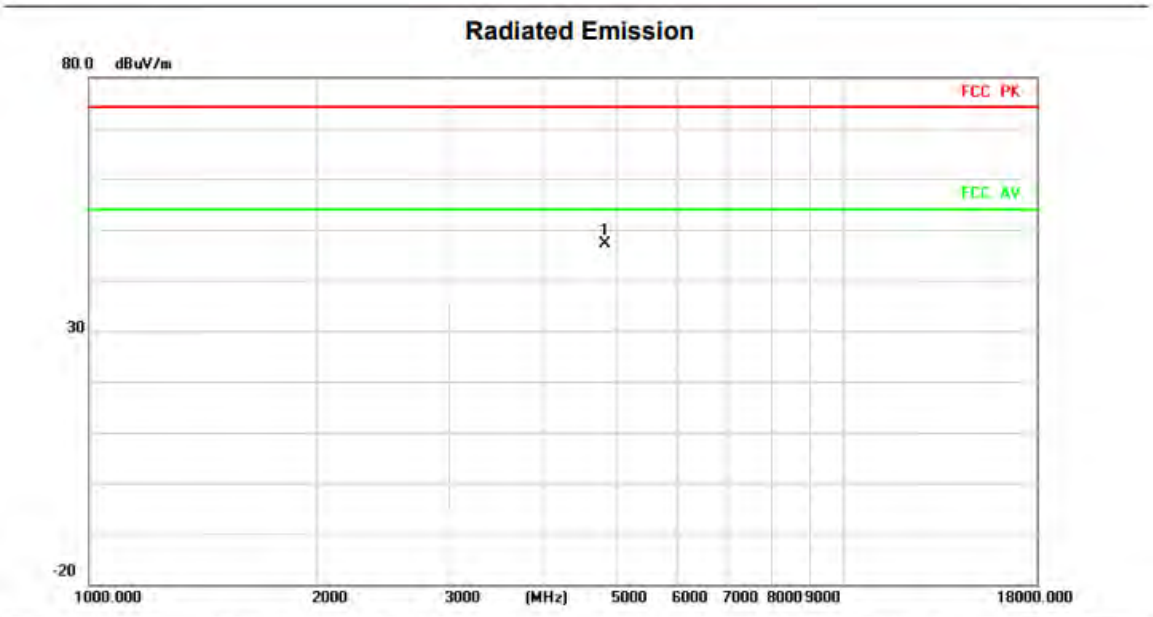


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4824.000	51.99	-1.88	50.11	74.00	-23.89	peak			

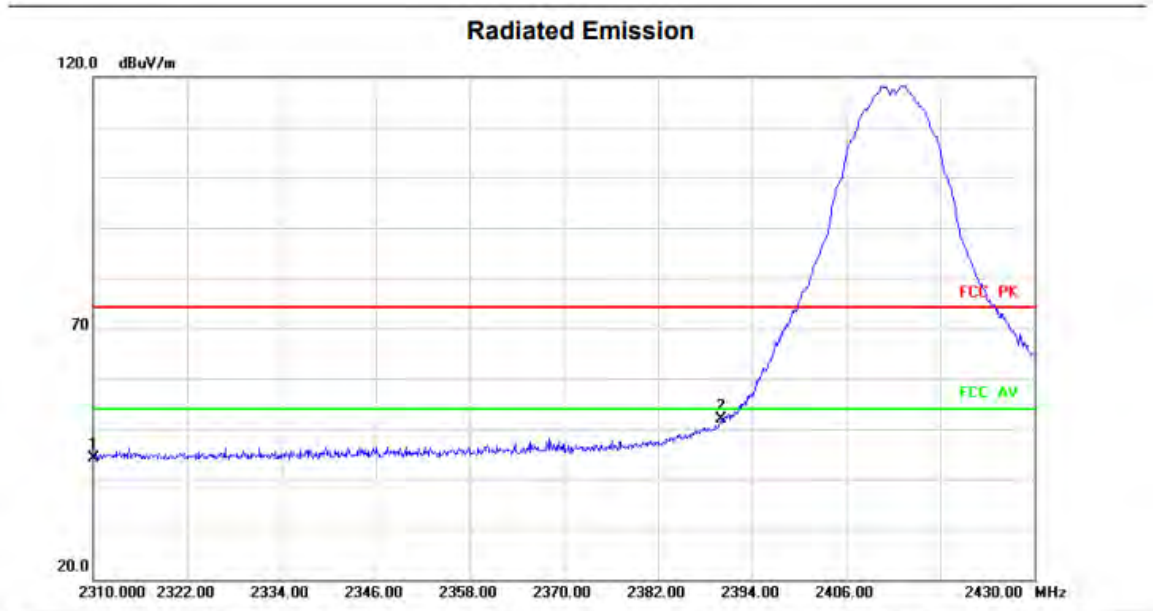


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2310.000	34.59	10.19	44.78	74.00	-29.22	peak			
2		2390.000	45.93	10.41	56.34	74.00	-17.66	peak			
3	*	2390.000	32.76	10.41	43.17	54.00	-10.83	AVG			

HORIZONTA



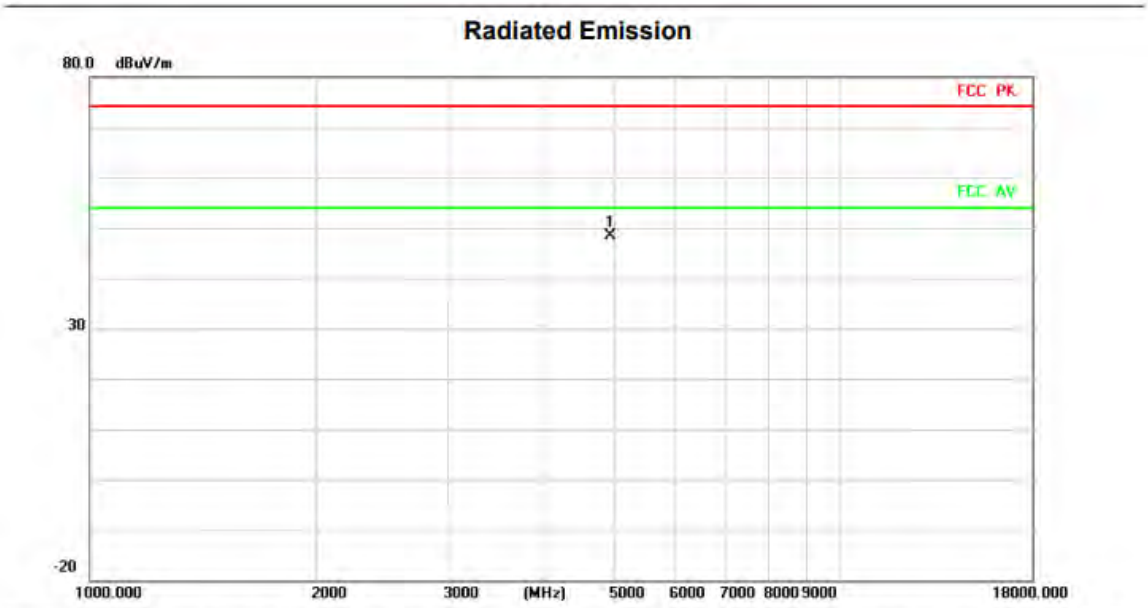
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4824.000	49.11	-1.88	47.23	74.00	-26.77	peak			



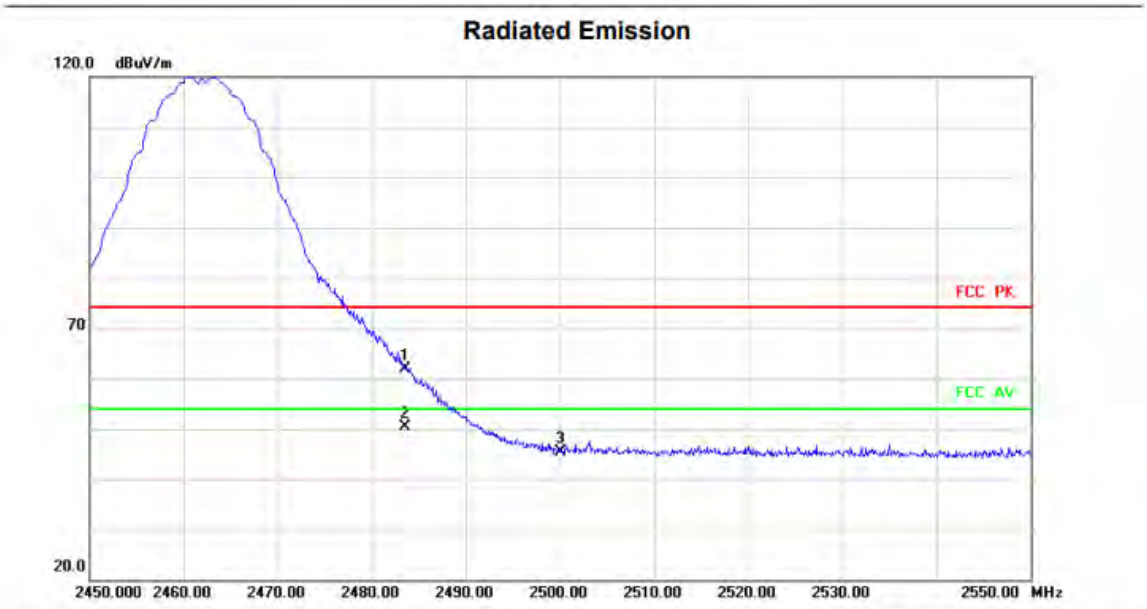
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2310.000	33.98	10.19	44.17	74.00	-29.83	peak			
2	*	2390.000	41.45	10.41	51.86	74.00	-22.14	peak			

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

VERTICAL

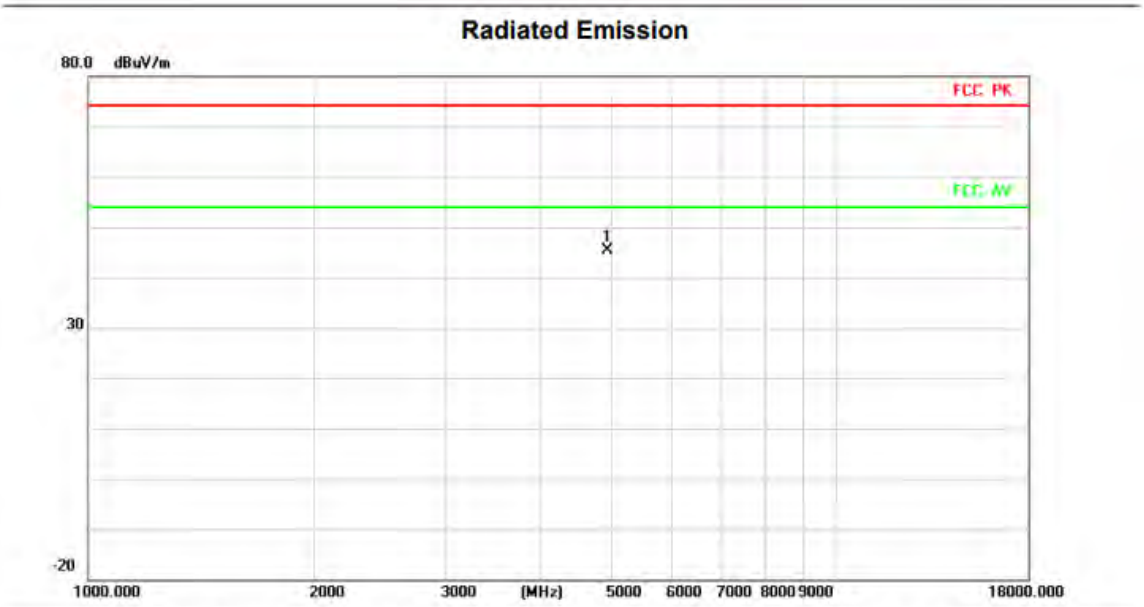


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4924.000	49.71	-1.29	48.42	74.00	-25.58	peak			

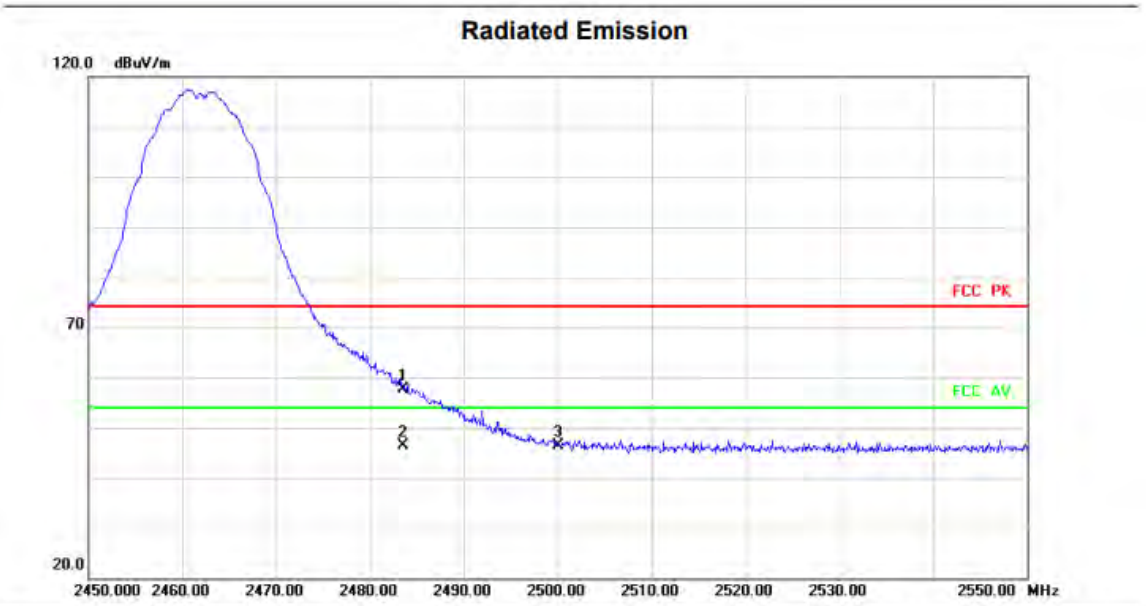


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	50.86	11.09	61.95	74.00	-12.05	peak			
2	*	2483.500	39.38	11.09	50.47	54.00	-3.53	AVG			
3		2500.000	34.11	11.22	45.33	74.00	-28.67	peak			

HORIZONTA



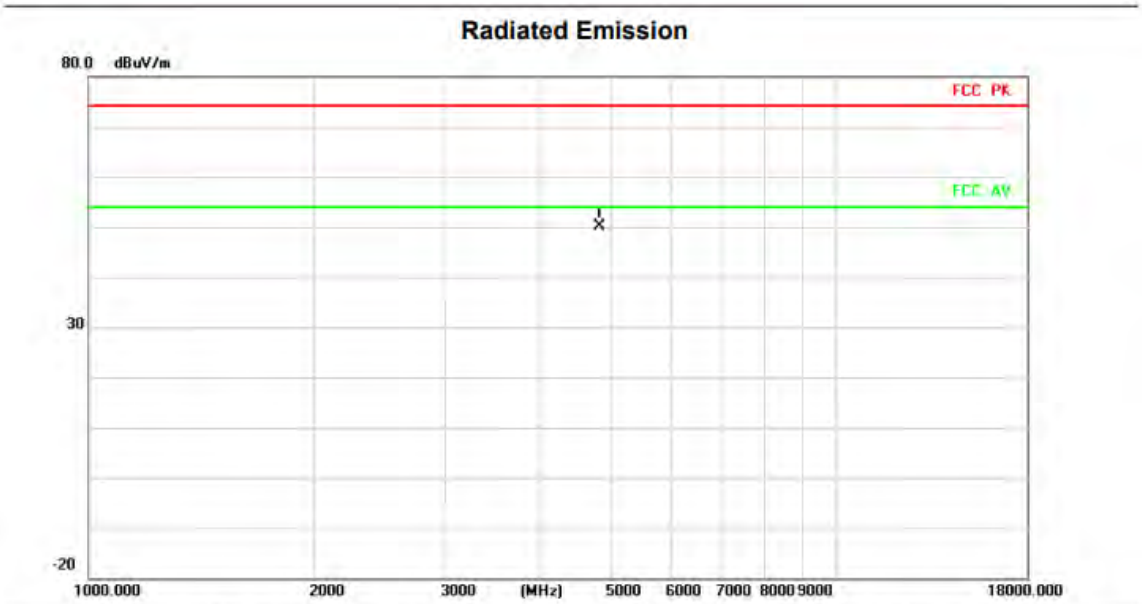
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4924.000	46.72	-1.29	45.43	74.00	-28.57	peak			



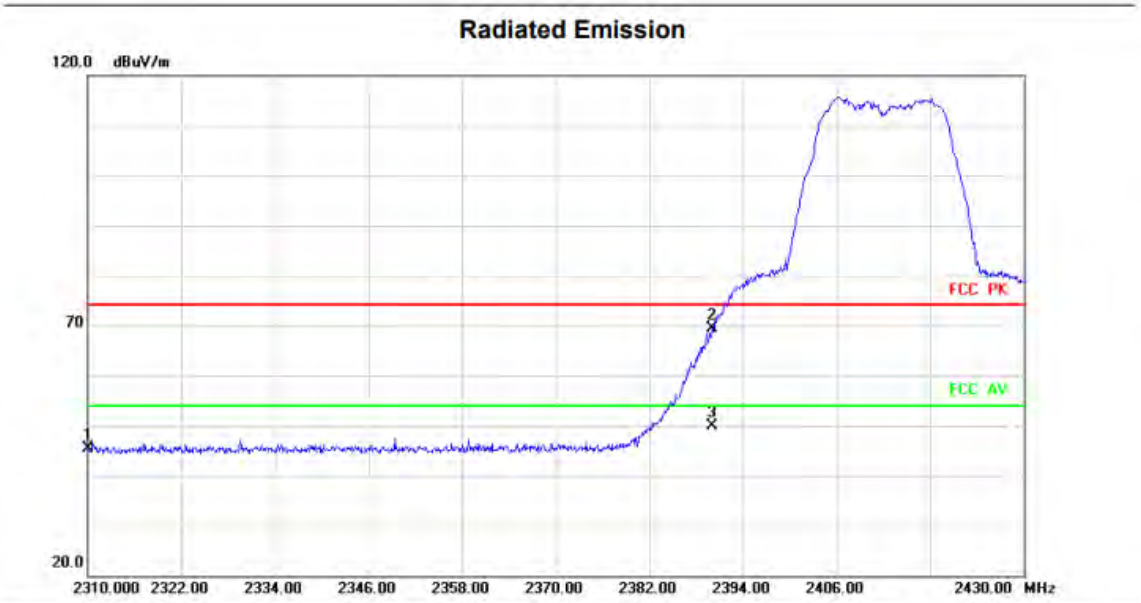
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	46.44	11.09	57.53	74.00	-16.47	peak			
2	*	2483.500	35.24	11.09	46.33	54.00	-7.67	AVG			
3		2500.000	35.18	11.22	46.40	74.00	-27.60	peak			

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

VERTICAL

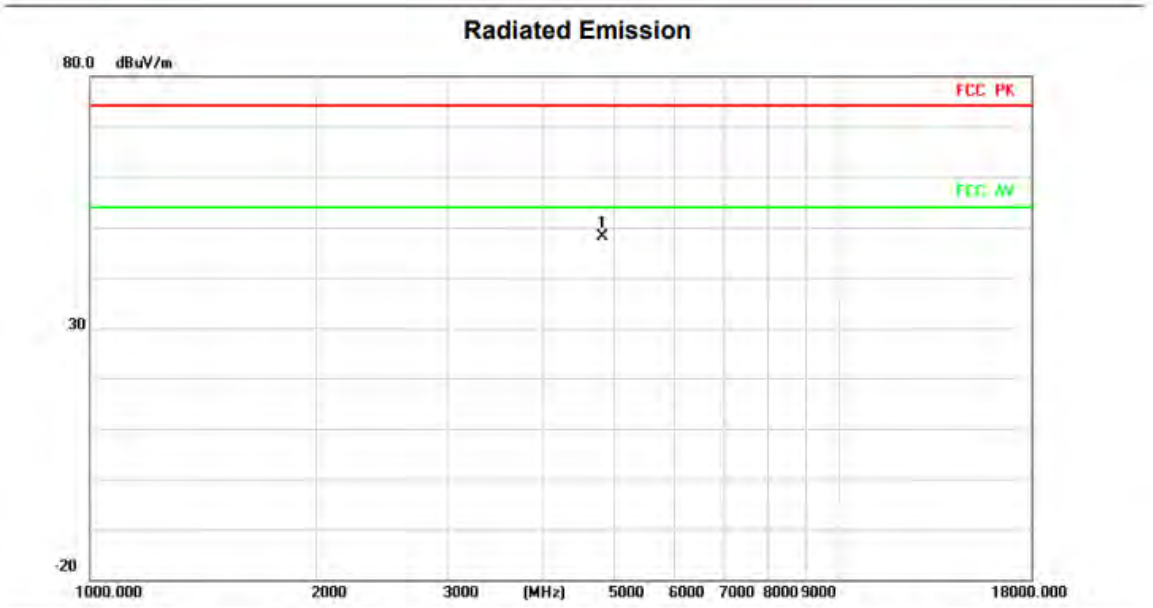


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4824.000	51.96	-1.88	50.08	74.00	-23.92	peak			

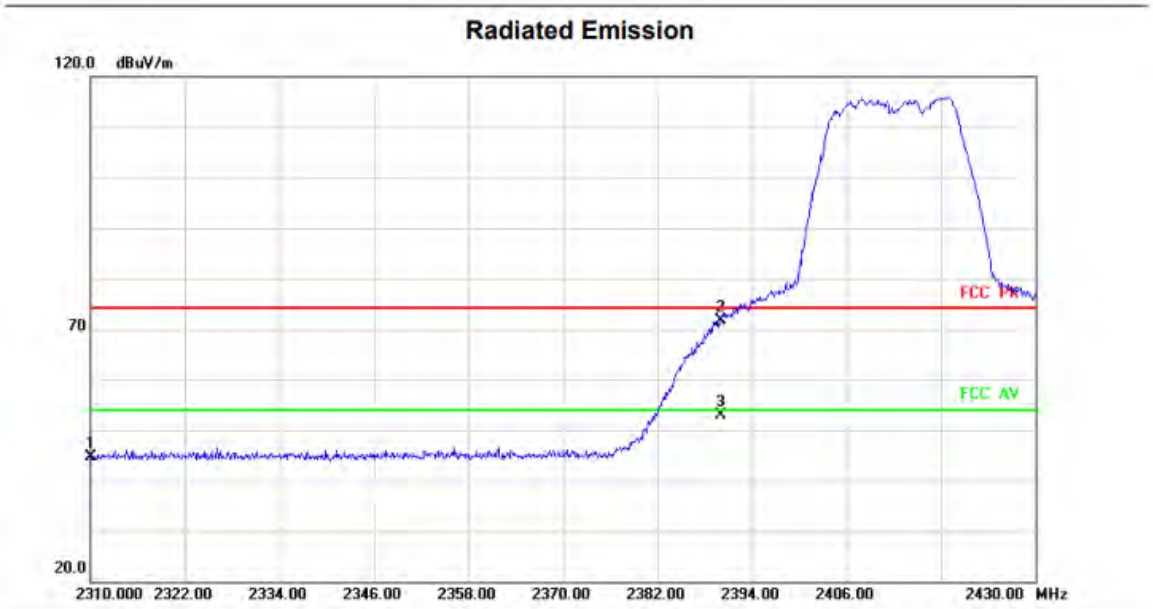


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2310.000	35.22	10.19	45.41	74.00	-28.59	peak			
2		2390.000	59.08	10.41	69.49	74.00	-4.51	peak			
3	*	2390.000	39.36	10.41	49.77	54.00	-4.23	AVG			

HORIZONTA



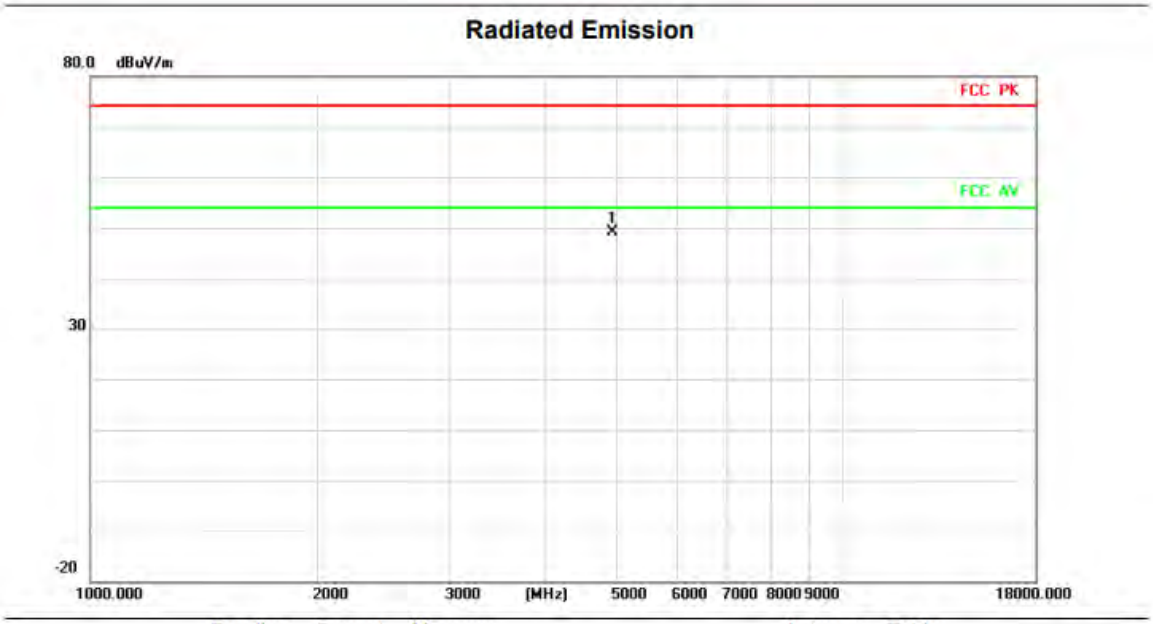
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4824.000	50.09	-1.88	48.21	74.00	-25.79	peak			



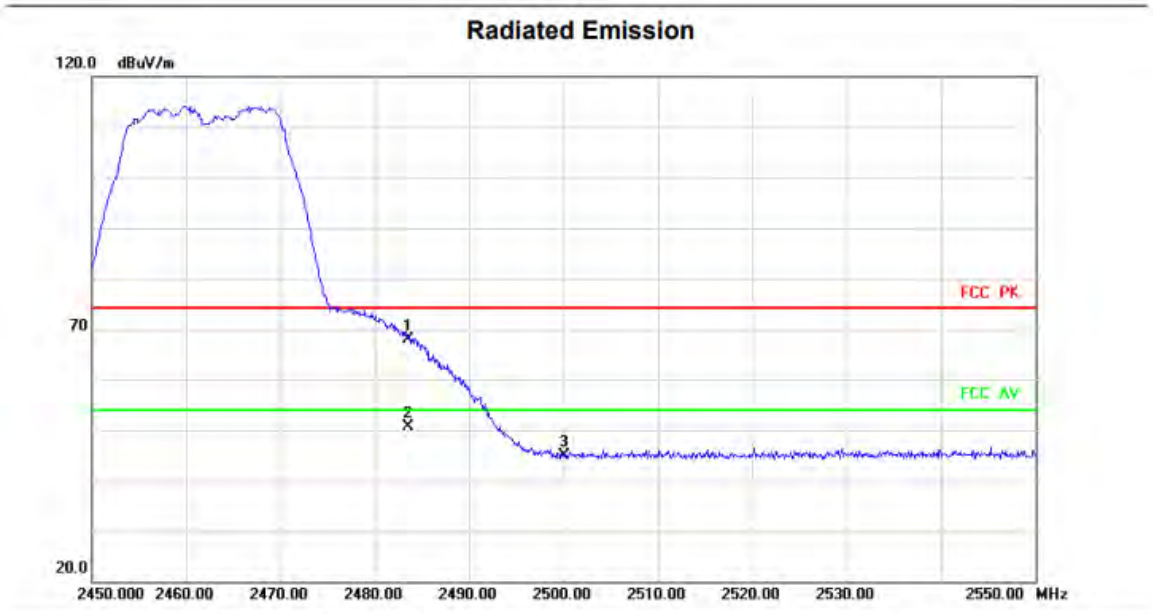
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2310.000	34.35	10.19	44.54	74.00	-29.46	peak			
2		2390.000	61.23	10.41	71.64	74.00	-2.36	peak			
3	*	2390.000	42.43	10.41	52.84	54.00	-1.16	AVG			

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

VERTICAL

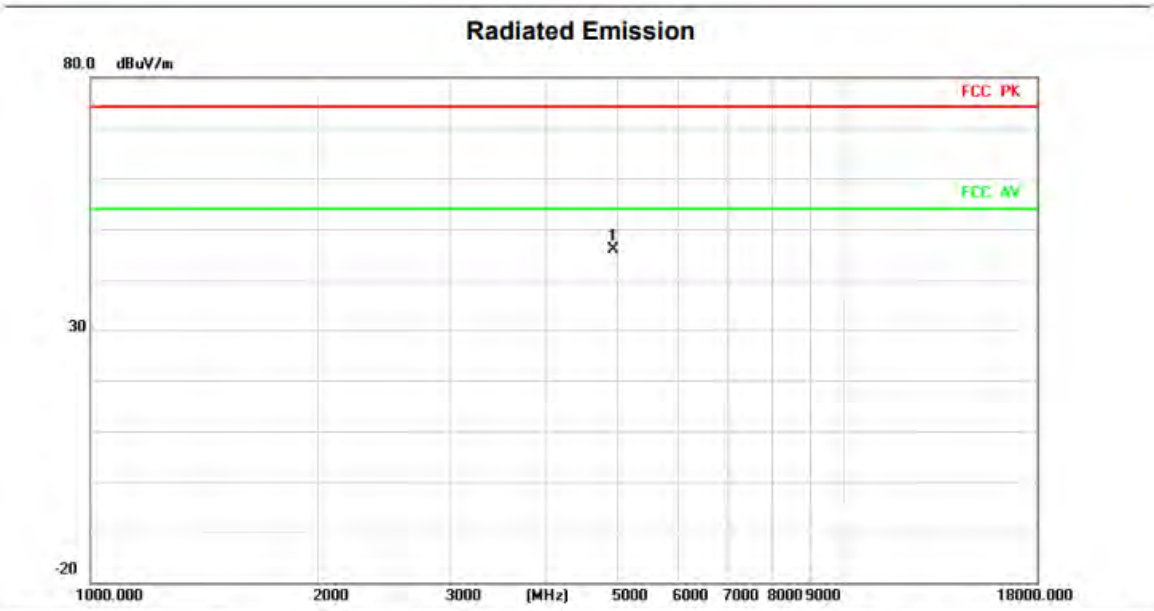


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4924.000	50.50	-1.29	49.21	74.00	-24.79	peak			

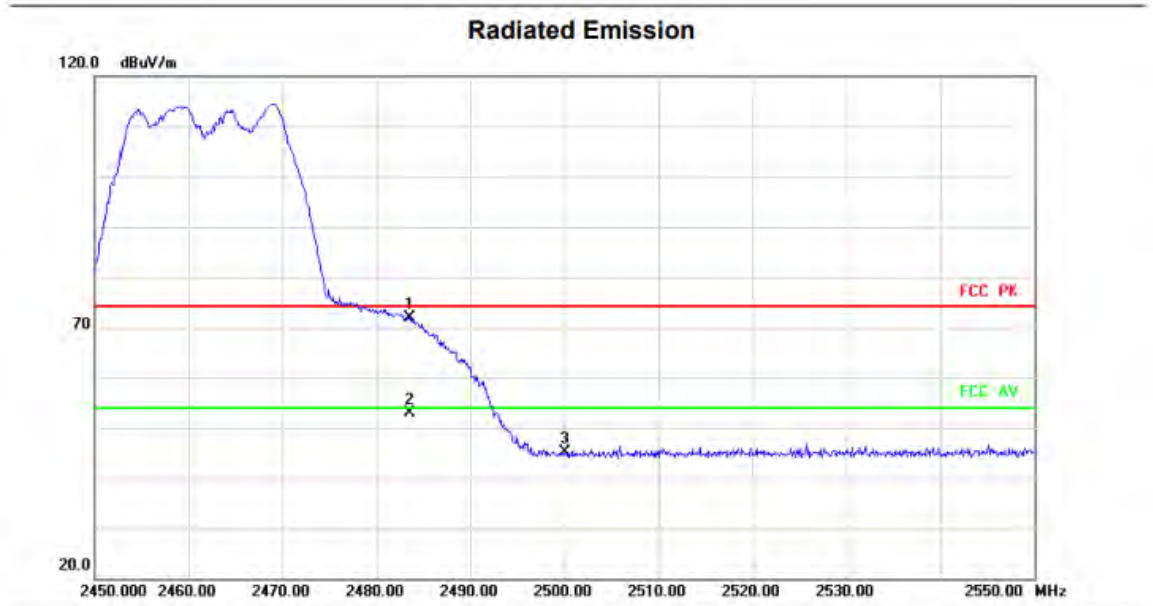


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	56.89	11.09	67.98	74.00	-6.02	peak			
2	*	2483.500	39.66	11.09	50.75	54.00	-3.25	AVG			
3		2500.000	33.54	11.22	44.76	74.00	-29.24	peak			

HORIZONTA



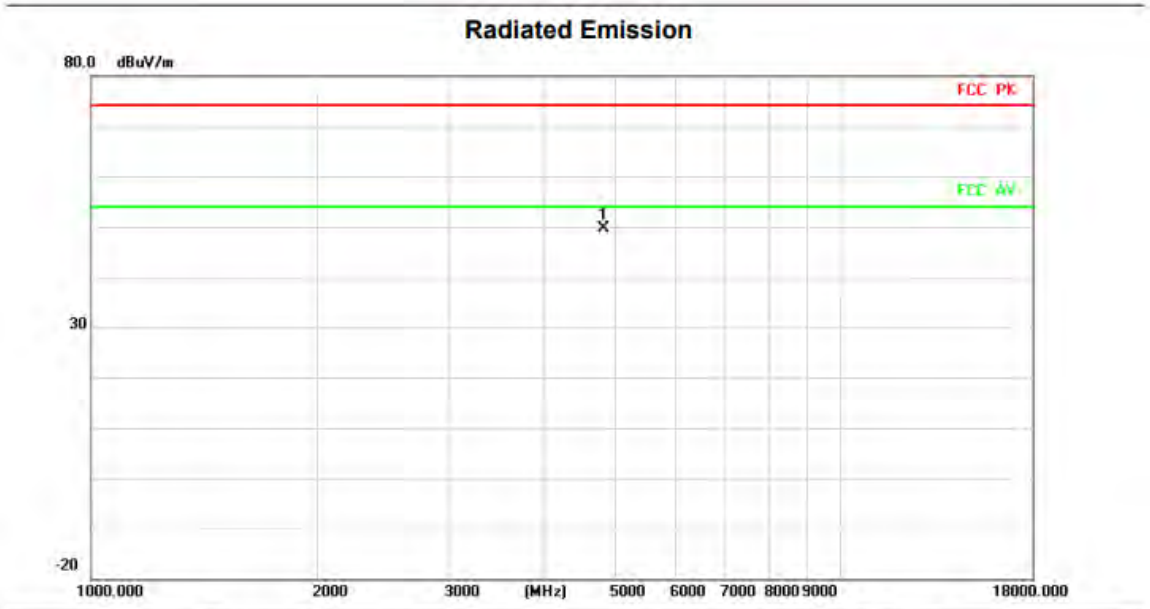
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4924.000	47.29	-1.29	46.00	74.00	-28.00	peak			



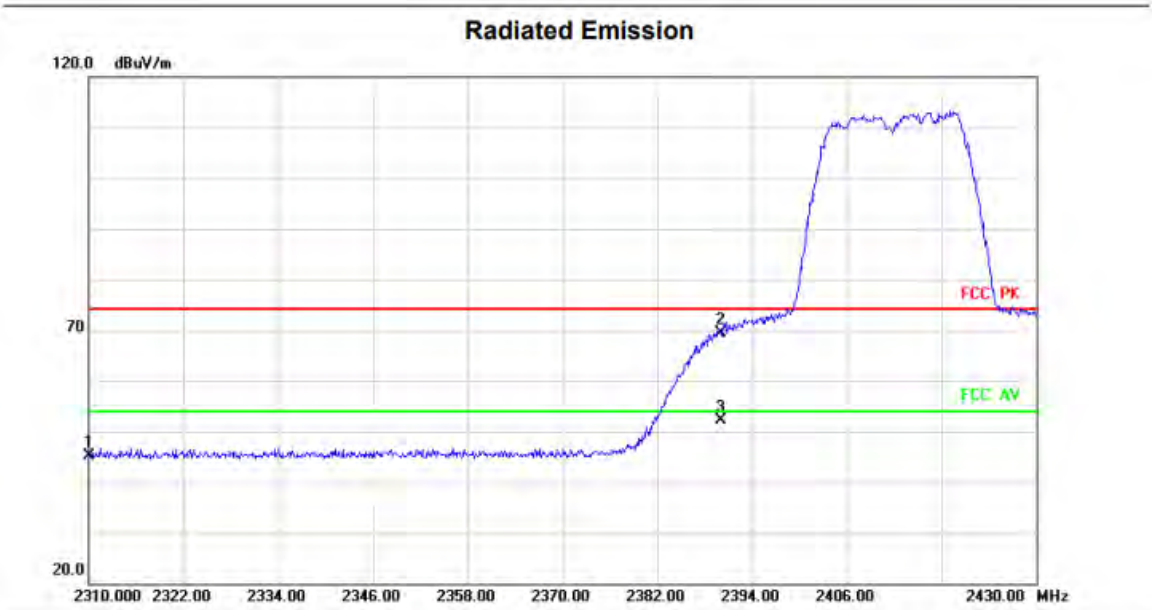
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	60.73	11.09	71.82	74.00	-2.18	peak			
2	*	2483.500	41.85	11.09	52.94	54.00	-1.06	AVG			
3		2500.000	33.97	11.22	45.19	74.00	-28.81	peak			

Above 1G (1GHz~18GHz)	Test mode: 11N20MIMO	Test Channel:1

VERTICAL

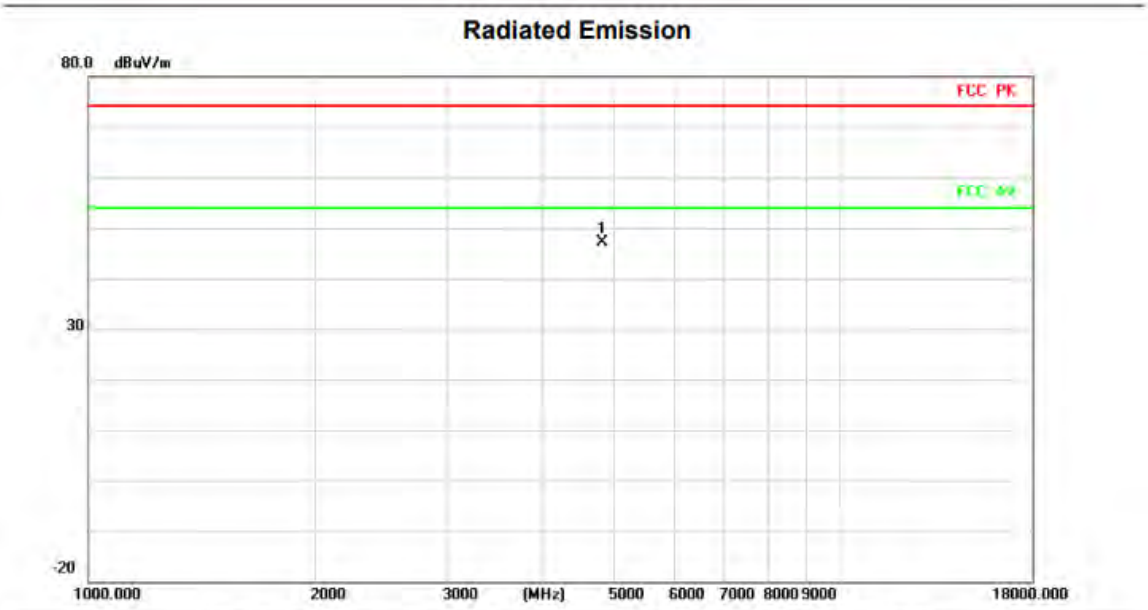


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4824.000	51.49	-1.88	49.61	74.00	-24.39	peak			

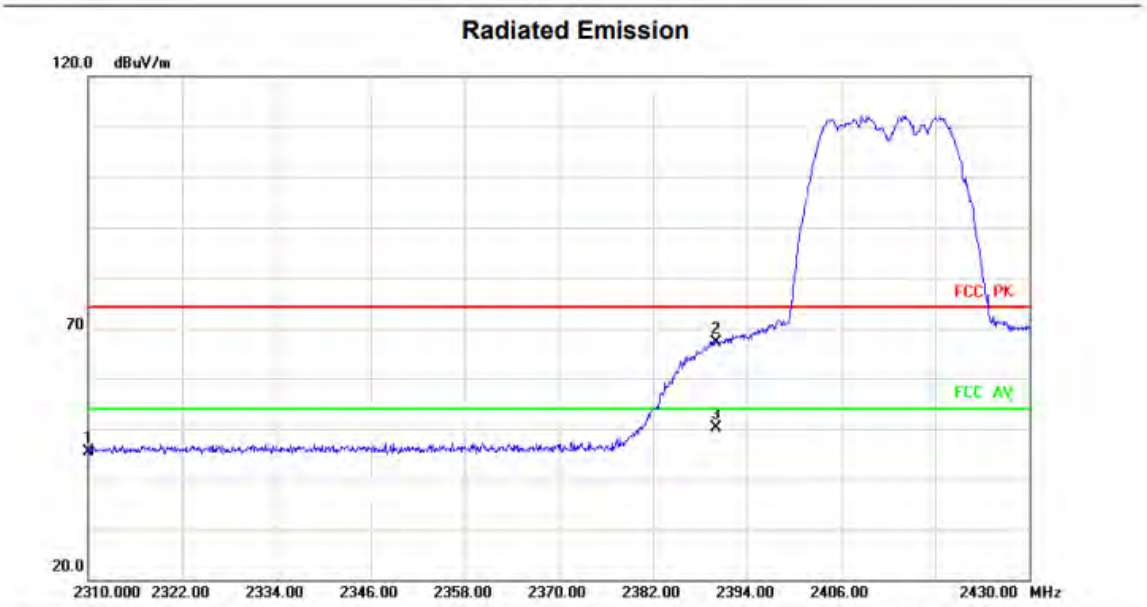


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2310.000	35.02	10.19	45.21	74.00	-28.79	peak			
2		2390.000	58.97	10.41	69.38	74.00	-4.62	peak			
3	*	2390.000	41.83	10.41	52.24	54.00	-1.76	AVG			

HORIZONTA



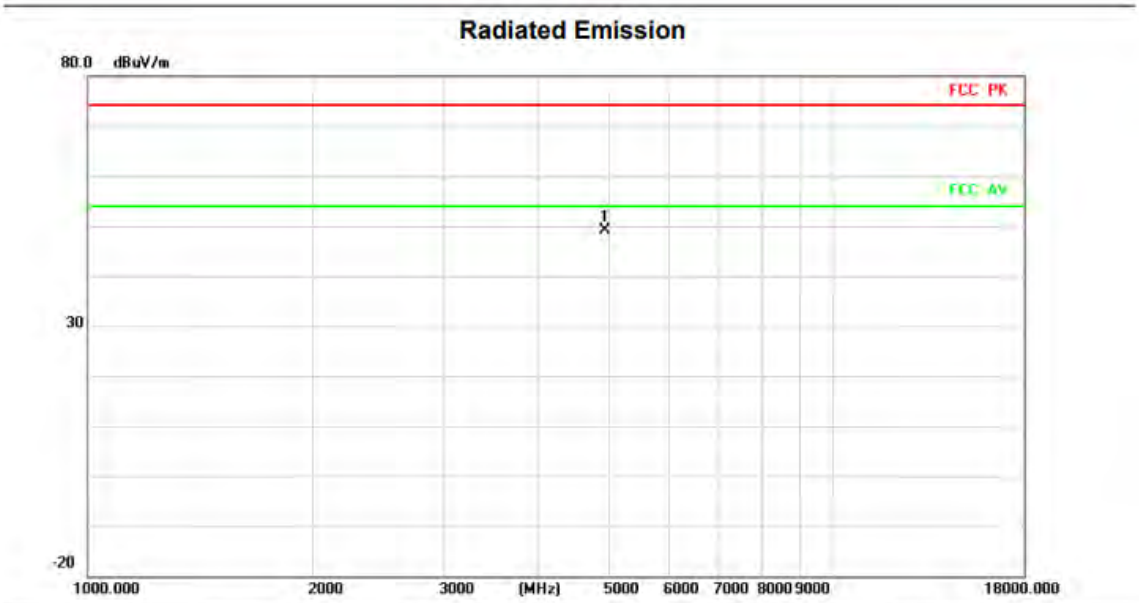
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4824.000	48.94	-1.88	47.06	74.00	-26.94	peak			



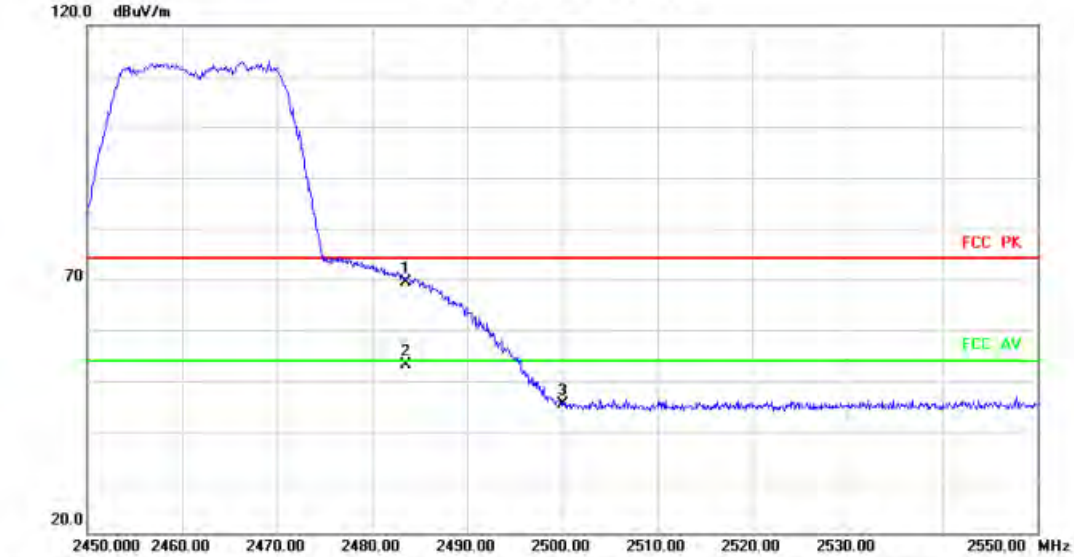
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2310.000	35.12	10.19	45.31	74.00	-28.69	peak			
2		2390.000	56.69	10.41	67.10	74.00	-6.90	peak			
3	*	2390.000	39.66	10.41	50.07	54.00	-3.93	AVG			

Above 1G (1GHz~18GHz)	Test mode: 11N20MIMO	Test Channel:11

VERTICAL

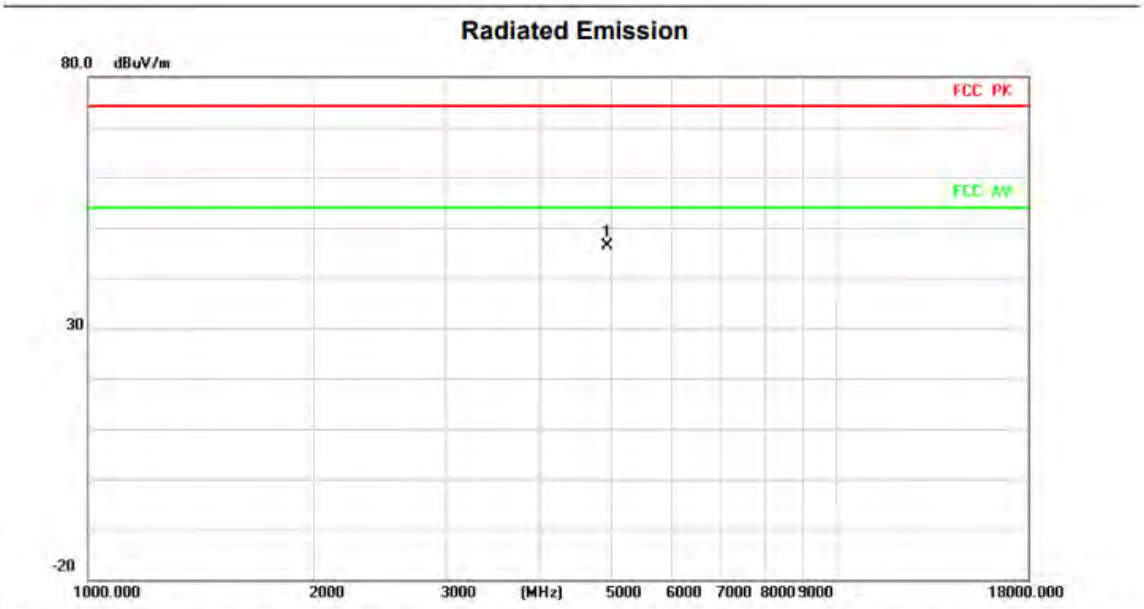


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4924.000	50.38	-1.29	49.09	74.00	-24.91	peak			

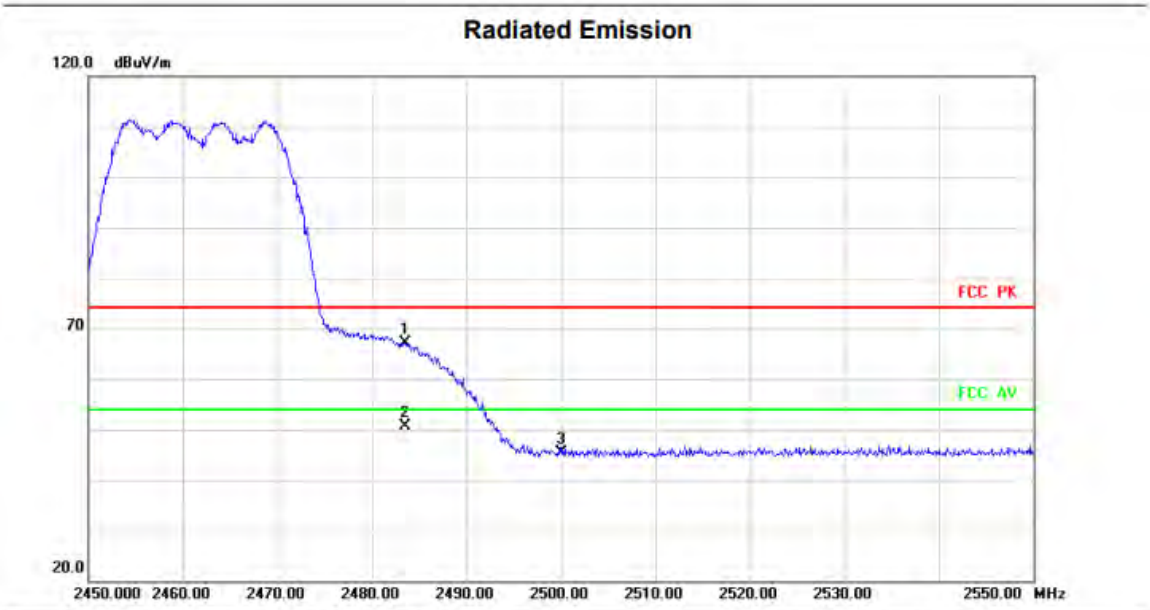


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	58.35	11.09	69.44	74.00	-4.56	peak			
2	*	2483.500	42.12	11.09	53.21	54.00	-0.79	AVG			
3		2500.000	34.25	11.22	45.47	74.00	-28.53	peak			

HORIZONTA



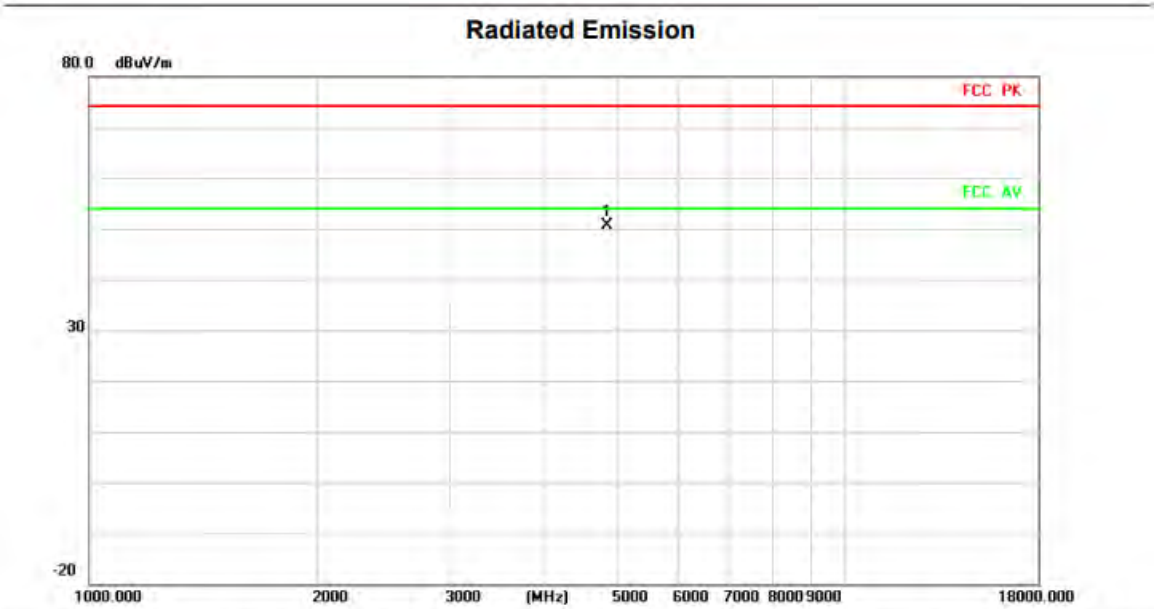
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4924.000	47.79	-1.29	46.50	74.00	-27.50	peak			



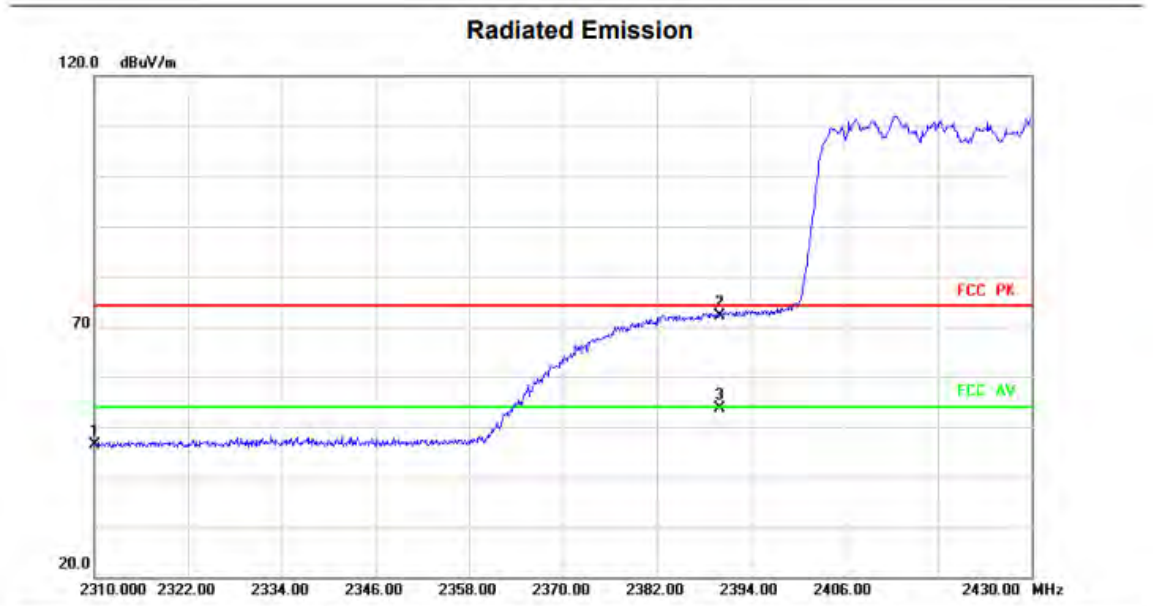
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	56.15	11.09	67.24	74.00	-6.76	peak			
2	*	2483.500	39.53	11.09	50.62	54.00	-3.38	AVG			
3		2500.000	34.23	11.22	45.45	74.00	-28.55	peak			

Above 1G (1GHz~18GHz)	Test mode: 11N40MIMO	Test Channel:3

VERTICAL

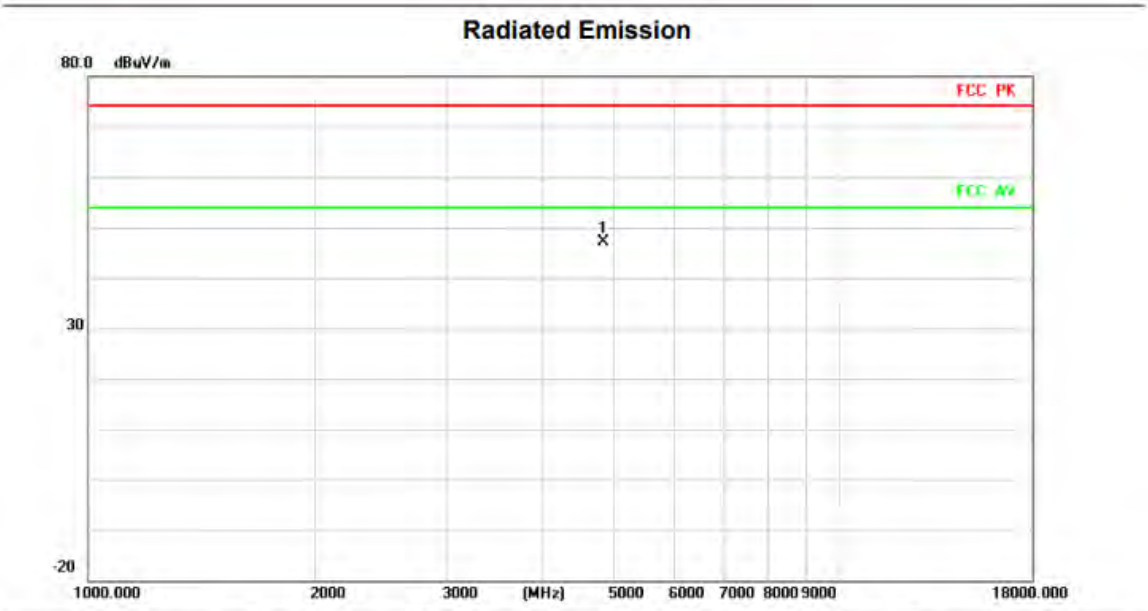


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4844.000	52.33	-1.77	50.56	74.00	-23.44	peak			

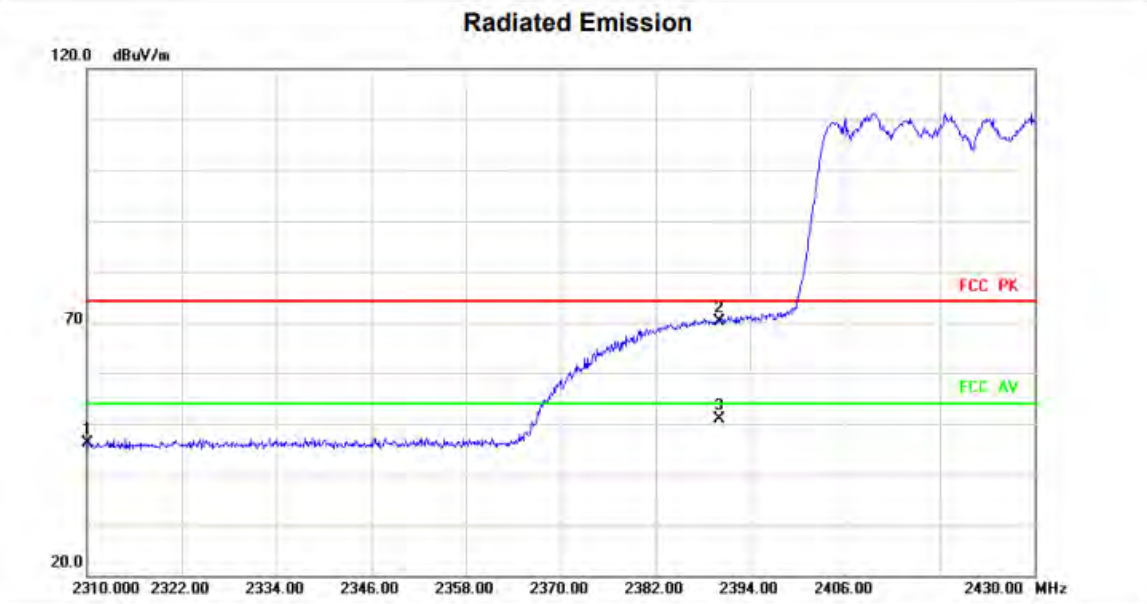


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2310.000	36.23	10.19	46.42	74.00	-27.58	peak			
2		2390.000	61.82	10.41	72.23	74.00	-1.77	peak			
3	*	2390.000	43.18	10.41	53.59	54.00	-0.41	AVG			

HORIZONTA



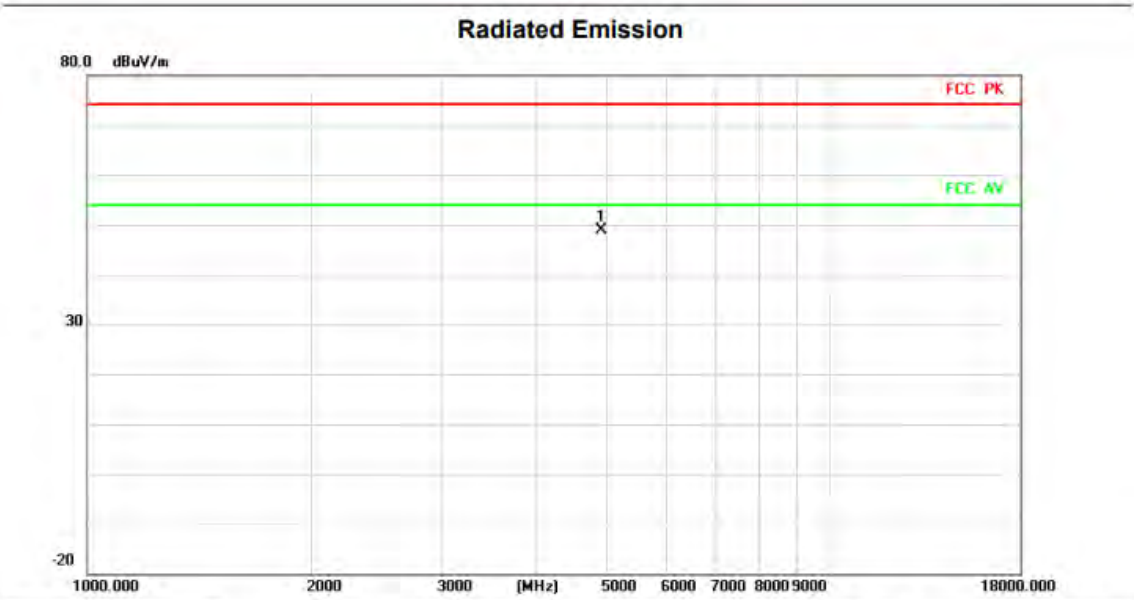
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4844.000	49.02	-1.77	47.25	74.00	-26.75	peak			



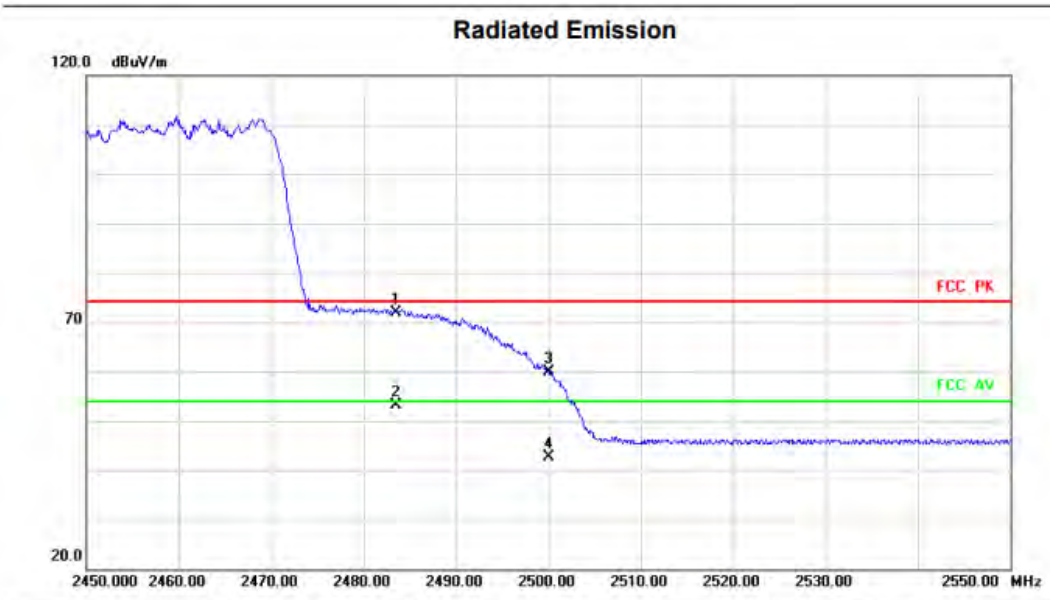
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2310.000	35.84	10.19	46.03	74.00	-27.97	peak			
2		2390.000	59.74	10.41	70.15	74.00	-3.85	peak			
3	*	2390.000	40.43	10.41	50.84	54.00	-3.16	AVG			

Above 1G (1GHz~18GHz)	Test mode: 11N40MIMO	Test Channel:9

VERTICAL

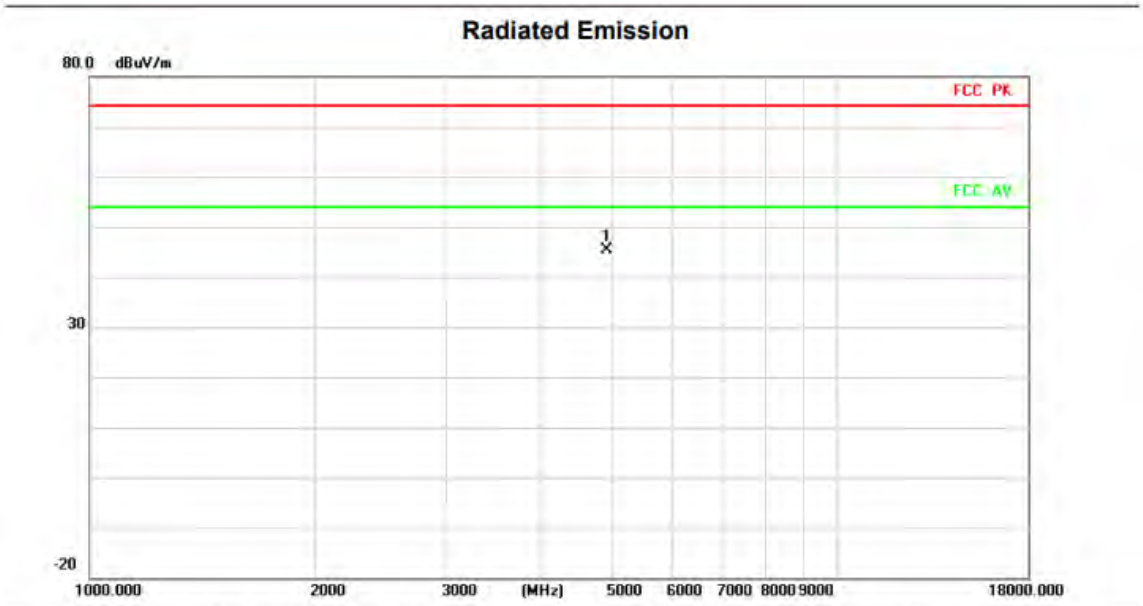


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4904.000	50.24	-1.41	48.83	74.00	-25.17	peak			

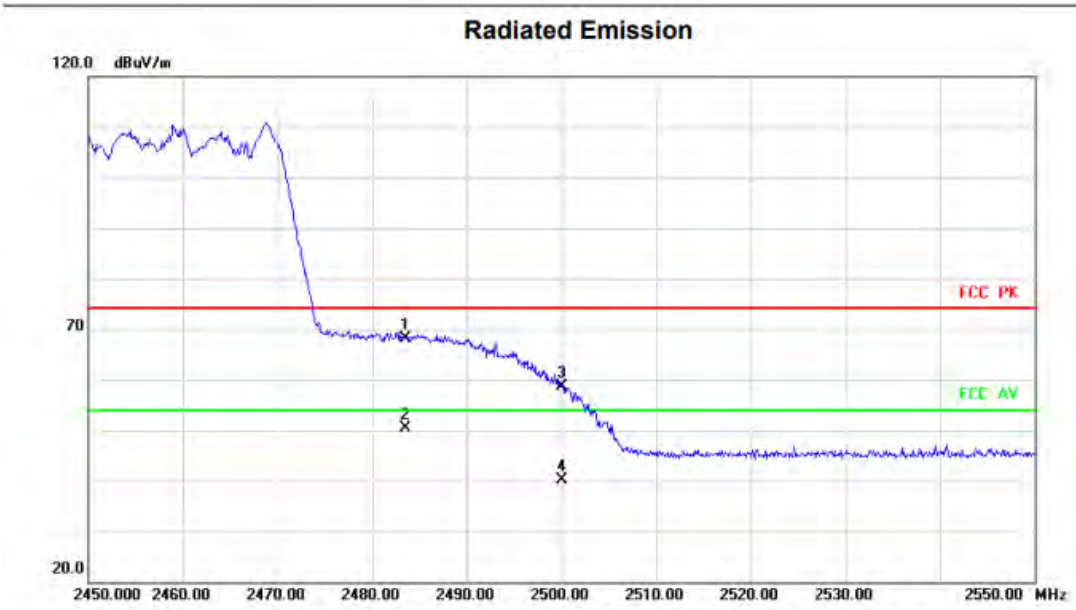


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	60.78	11.09	71.87	74.00	-2.13	peak			
2	*	2483.500	41.93	11.09	53.02	54.00	-0.98	AVG			
3		2500.000	48.68	11.22	59.90	74.00	-14.10	peak			
4		2500.000	31.35	11.22	42.57	54.00	-11.43	AVG			

HORIZONTA



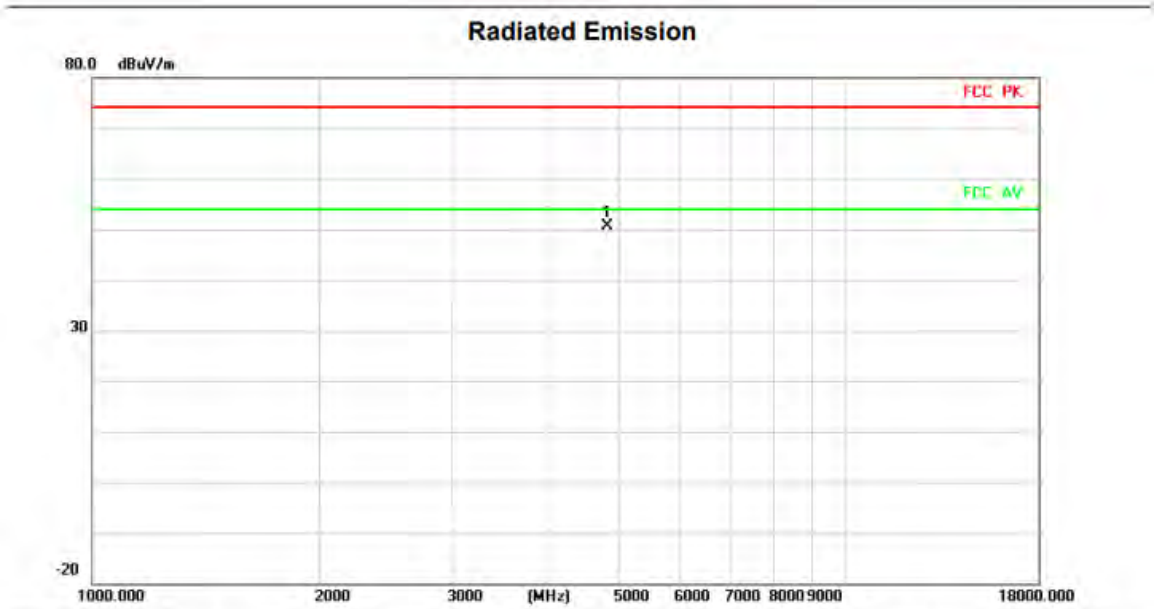
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4904.000	46.89	-1.41	45.48	74.00	-28.52	peak			



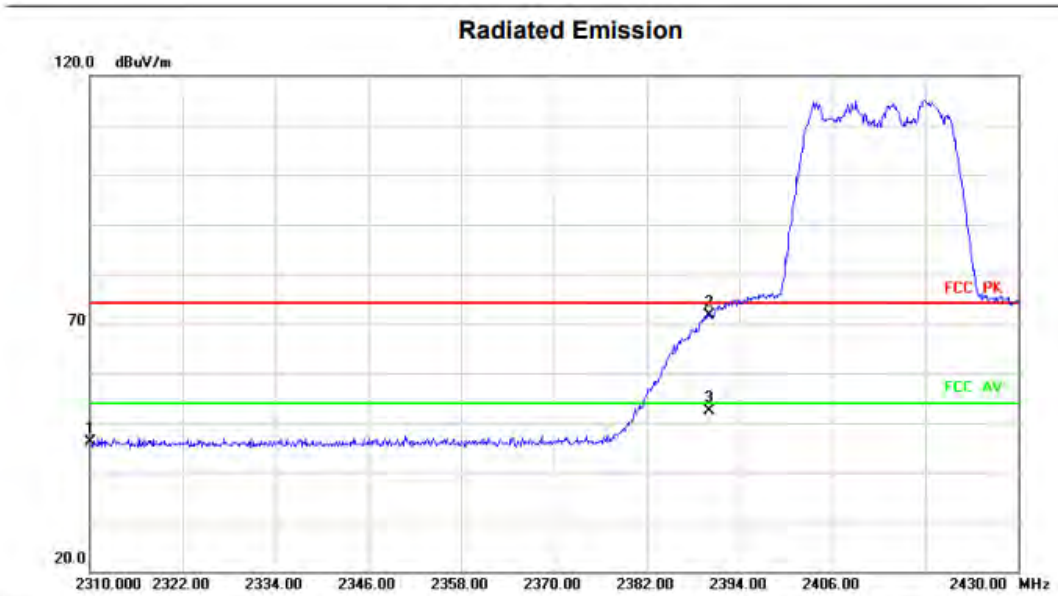
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	57.03	11.09	68.12	74.00	-5.88	peak			
2	*	2483.500	39.34	11.09	50.43	54.00	-3.57	AVG			
3		2500.000	47.38	11.22	58.60	74.00	-15.40	peak			
4		2500.000	28.89	11.22	40.11	54.00	-13.89	AVG			

Above 1G (1GHz~18GHz)	Test mode: 11AX20MIMO	Test Channel:1

VERTICAL

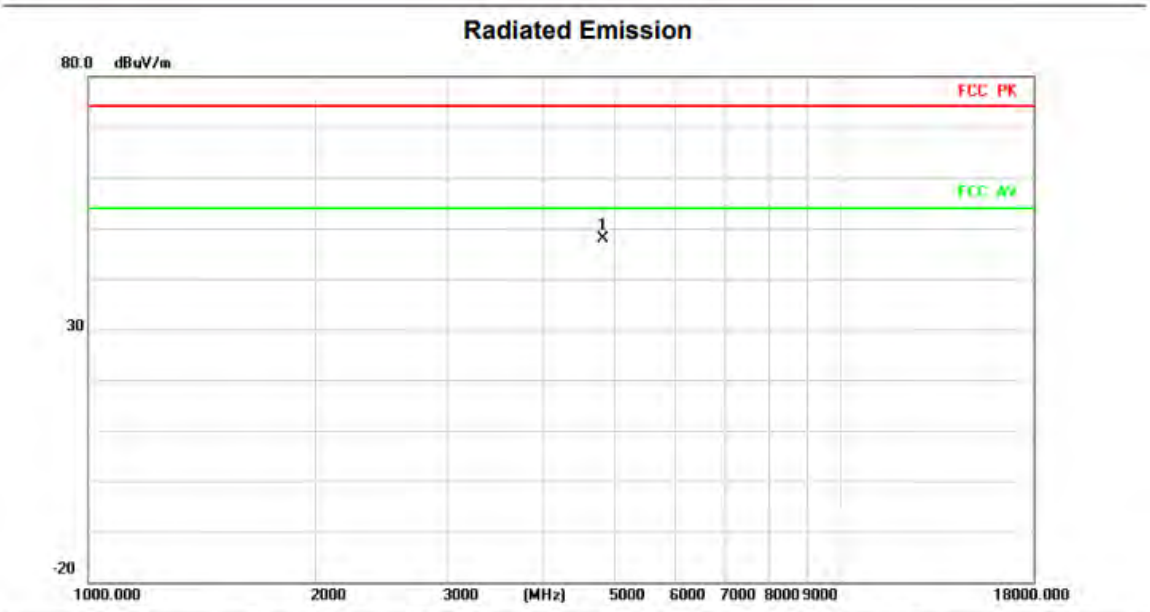


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4824.000	52.56	-1.88	50.68	74.00	-23.32	peak			

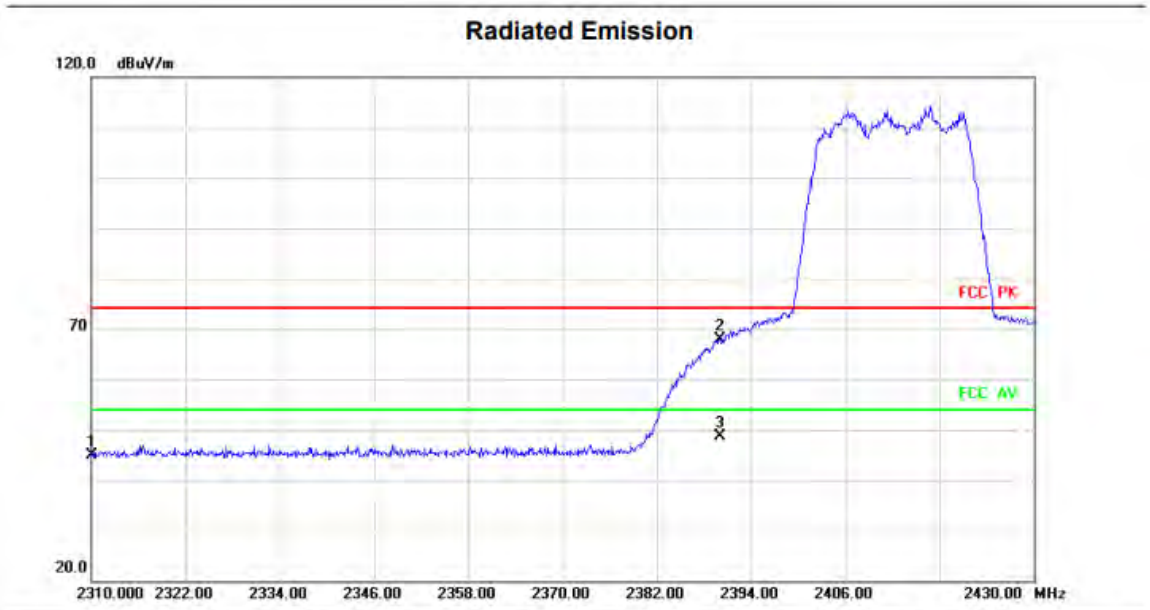


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2310.000	35.90	10.19	46.09	74.00	-27.91	peak			
2		2390.000	61.32	10.41	71.73	74.00	-2.27	peak			
3	*	2390.000	41.95	10.41	52.36	54.00	-1.64	AVG			

HORIZONTA



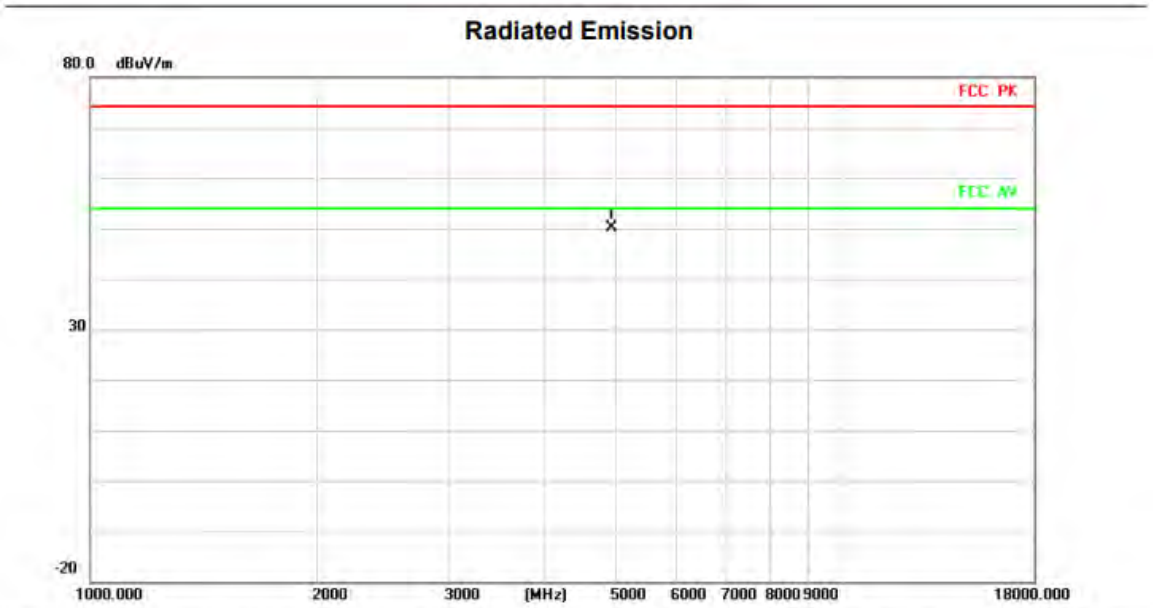
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4824.000	49.73	-1.88	47.85	74.00	-26.15	peak			



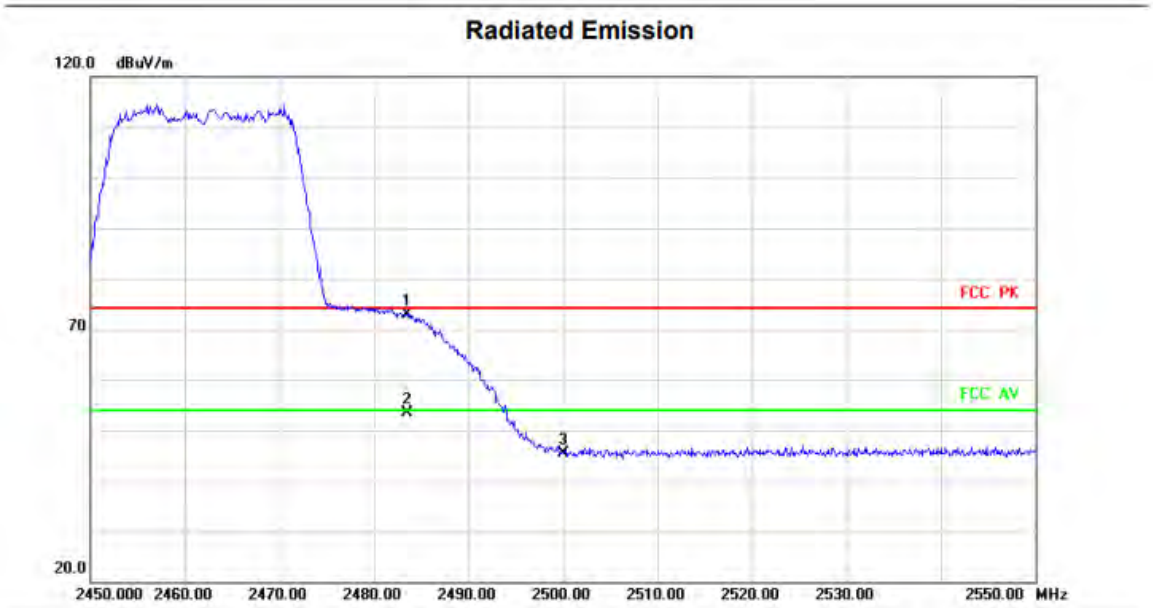
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2310.000	34.61	10.19	44.80	74.00	-29.20	peak			
2		2390.000	57.45	10.41	67.86	74.00	-6.14	peak			
3	*	2390.000	38.16	10.41	48.57	54.00	-5.43	AVG			

Above 1G (1GHz~18GHz)	Test mode: 11AX20MIMO	Test Channel:11

VERTICAL

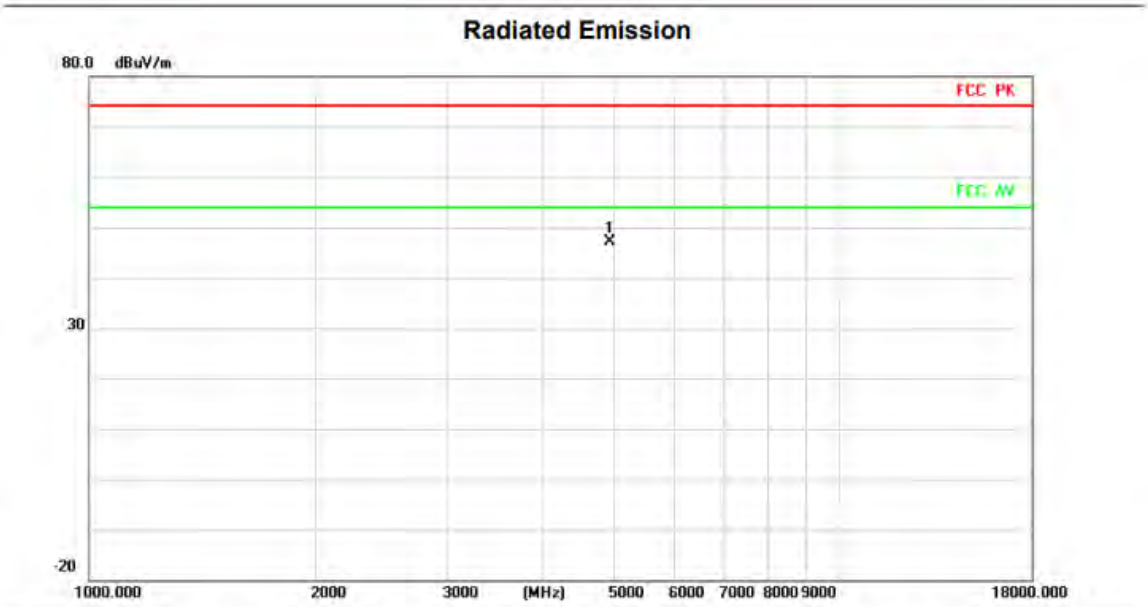


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4924.000	51.32	-1.29	50.03	74.00	-23.97	peak			

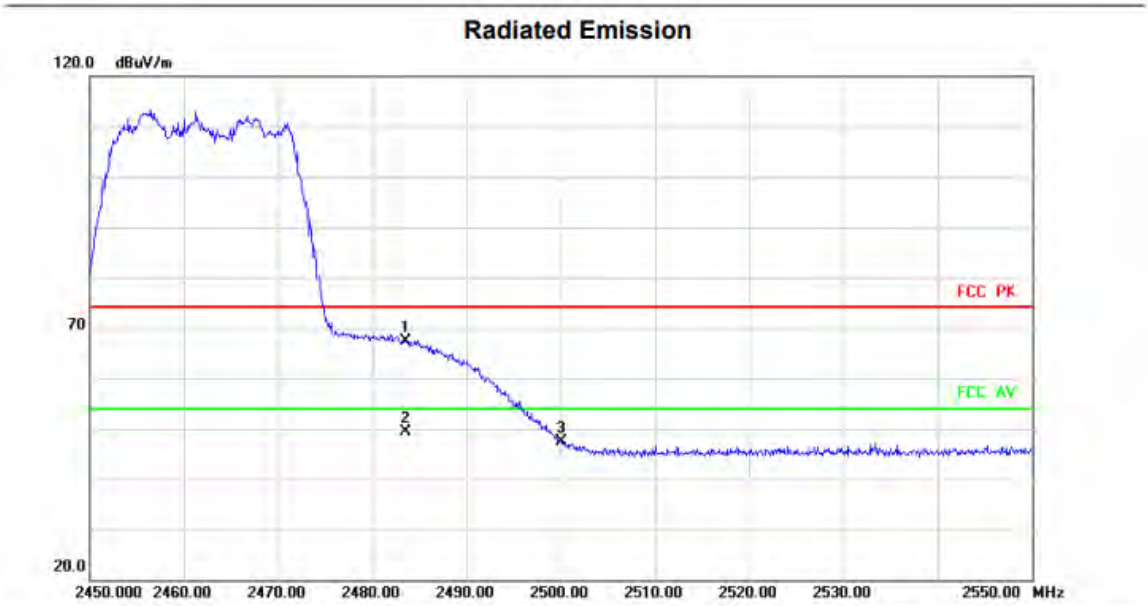


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2483.500	61.81	11.09	72.90	74.00	-1.10	peak			
2		2483.500	42.20	11.09	53.29	74.00	-20.71	QP			
3		2500.000	34.27	11.22	45.49	74.00	-28.51	peak			

HORIZONTA



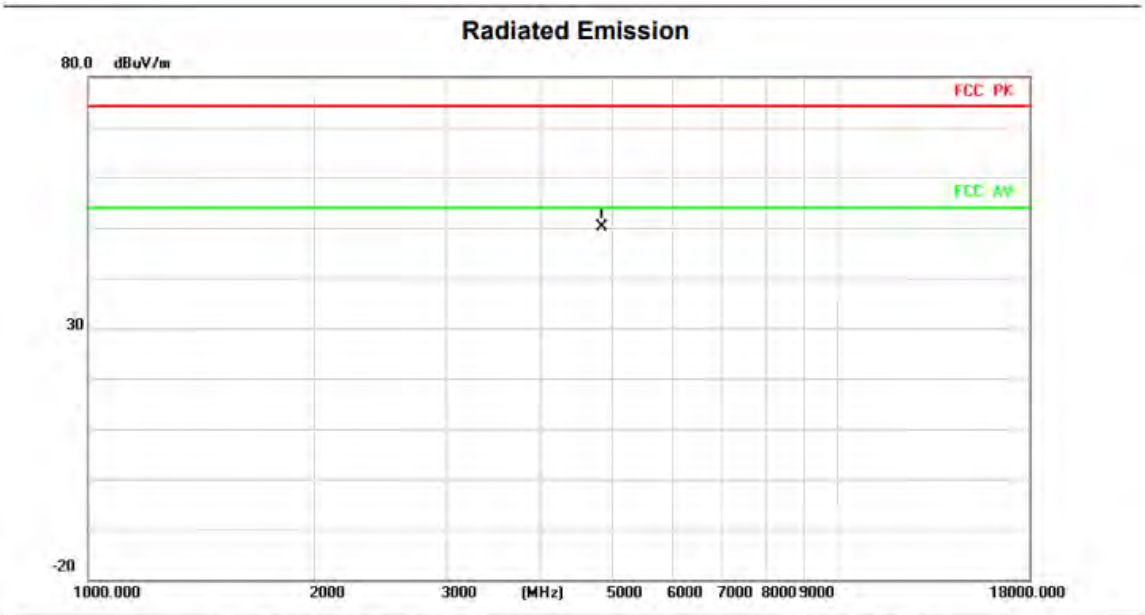
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4924.000	48.33	-1.29	47.04	74.00	-26.96	peak			



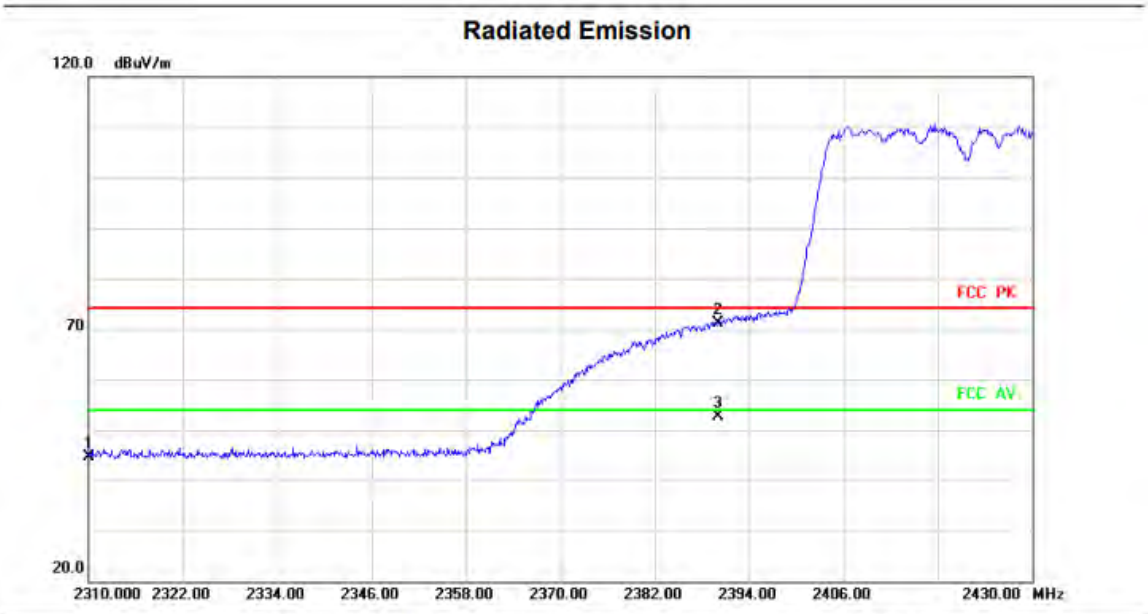
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	56.22	11.09	67.31	74.00	-6.69	peak			
2	*	2483.500	38.18	11.09	49.27	54.00	-4.73	AVG			
3		2500.000	36.20	11.22	47.42	74.00	-26.58	peak			

Above 1G (1GHz~18GHz)	Test mode: 11AX40MIMO	Test Channel:3

VERTICAL

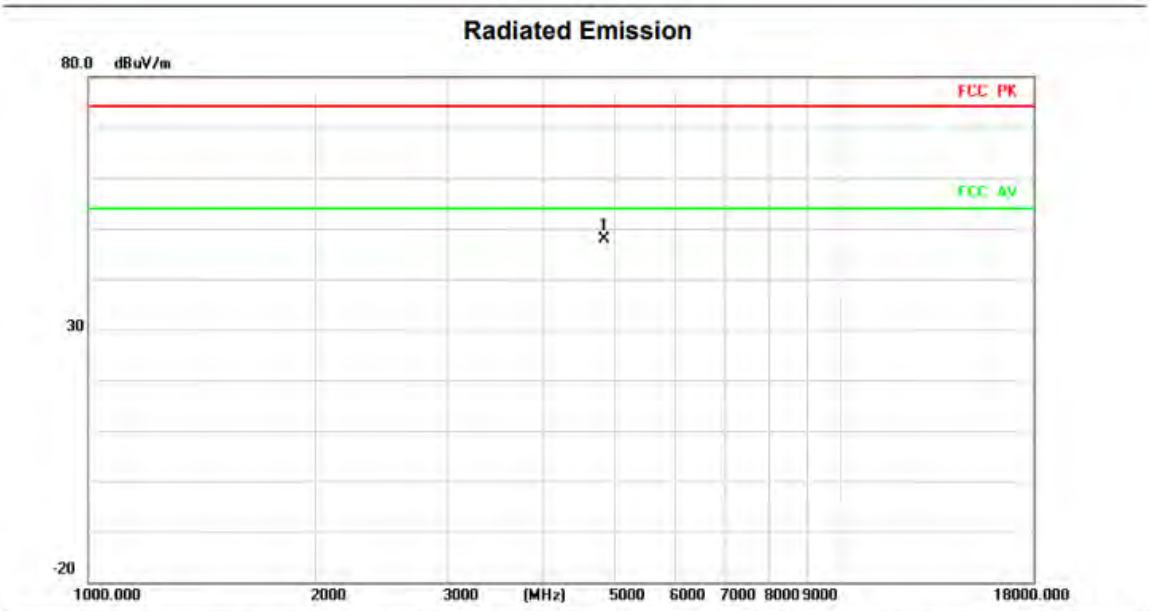


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4844.000	51.78	-1.77	50.01	74.00	-23.99	peak			

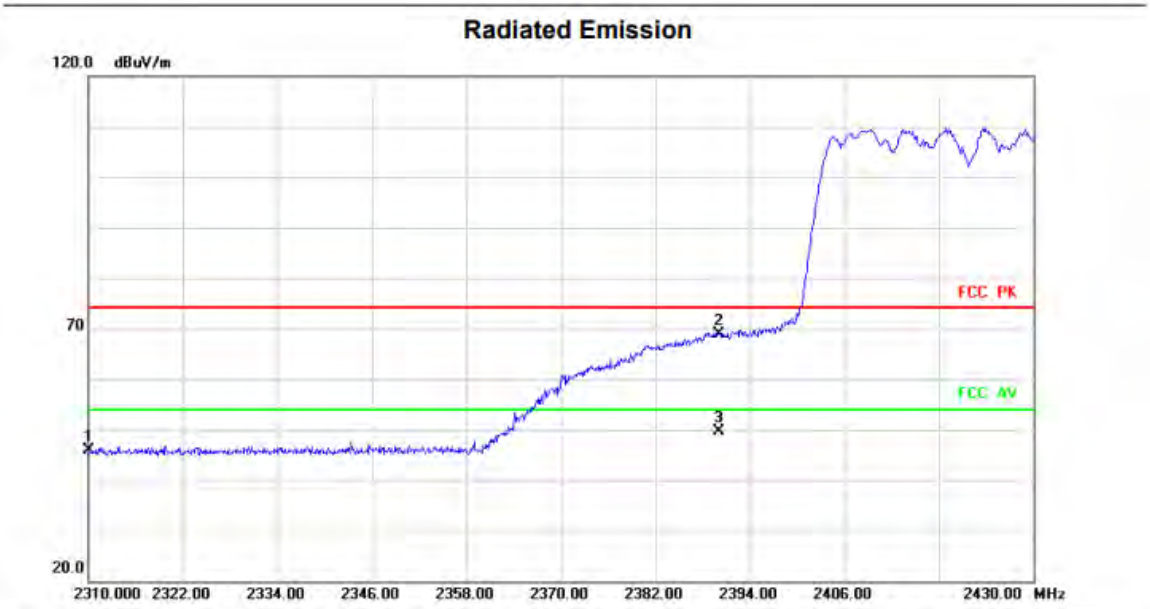


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2310.000	34.56	10.19	44.75	74.00	-29.25	peak			
2		2390.000	60.61	10.41	71.02	74.00	-2.98	peak			
3	*	2390.000	42.24	10.41	52.65	54.00	-1.35	AVG			

HORIZONTA



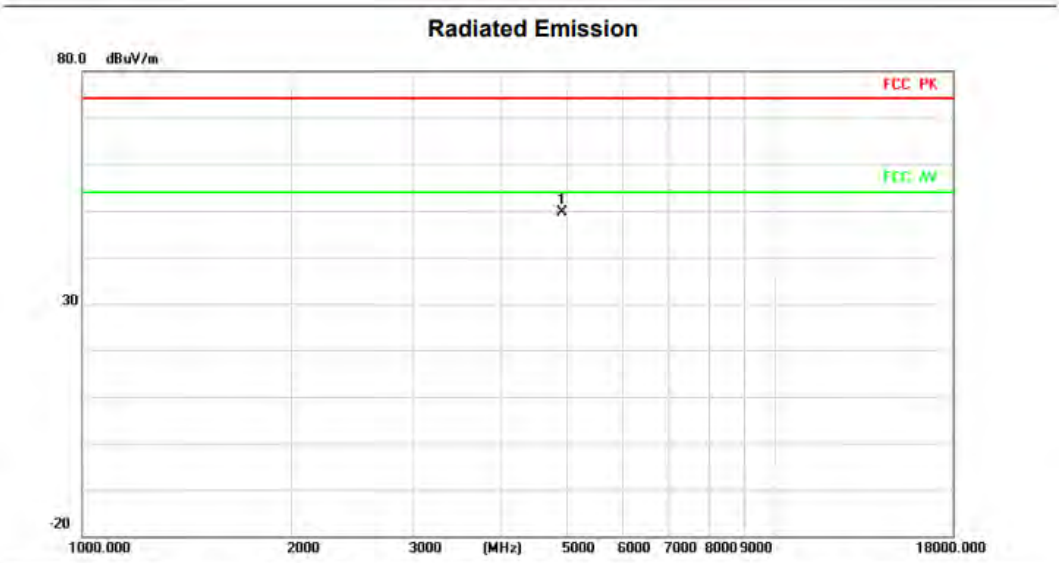
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4844.000	49.59	-1.77	47.82	74.00	-26.18	peak			



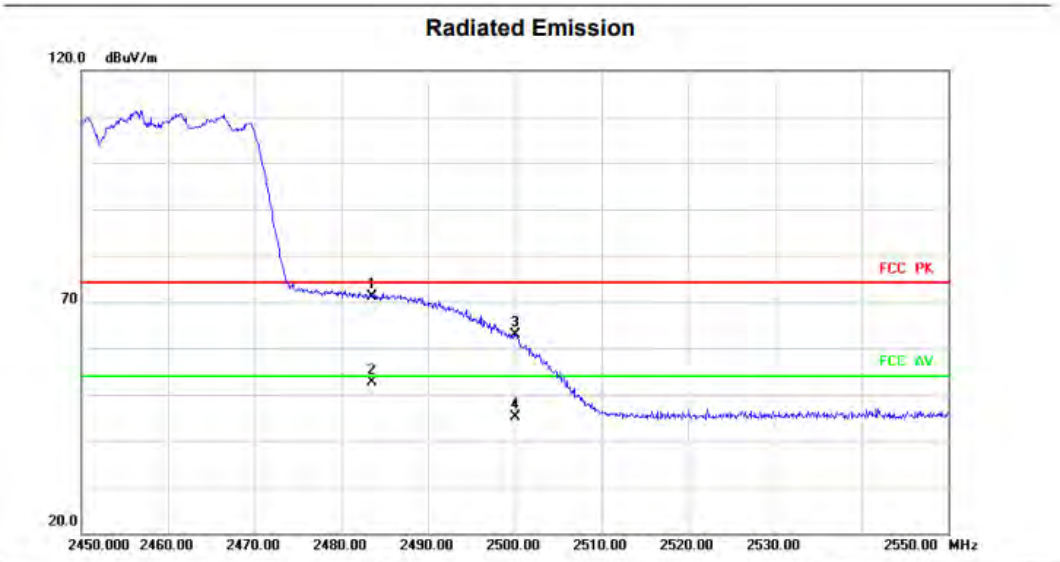
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2310.000	35.59	10.19	45.78	74.00	-28.22	peak			
2		2390.000	58.43	10.41	68.84	74.00	-5.16	peak			
3	*	2390.000	39.29	10.41	49.70	54.00	-4.30	AVG			

Above 1G (1GHz~18GHz)	Test mode: 11N40MIMO	Test Channel:9

VERTICAL

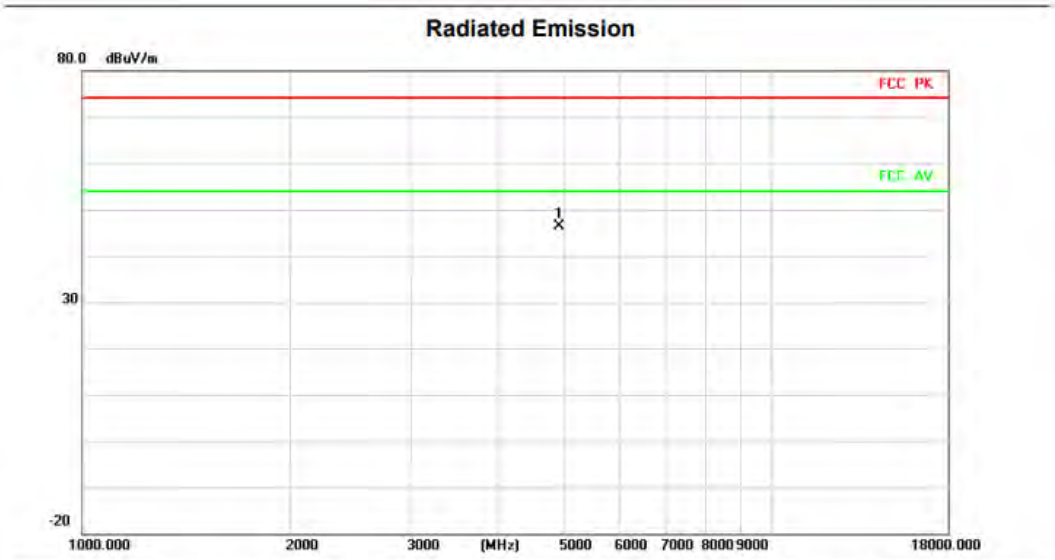


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4904.000	51.07	-1.41	49.66	74.00	-24.34	peak			

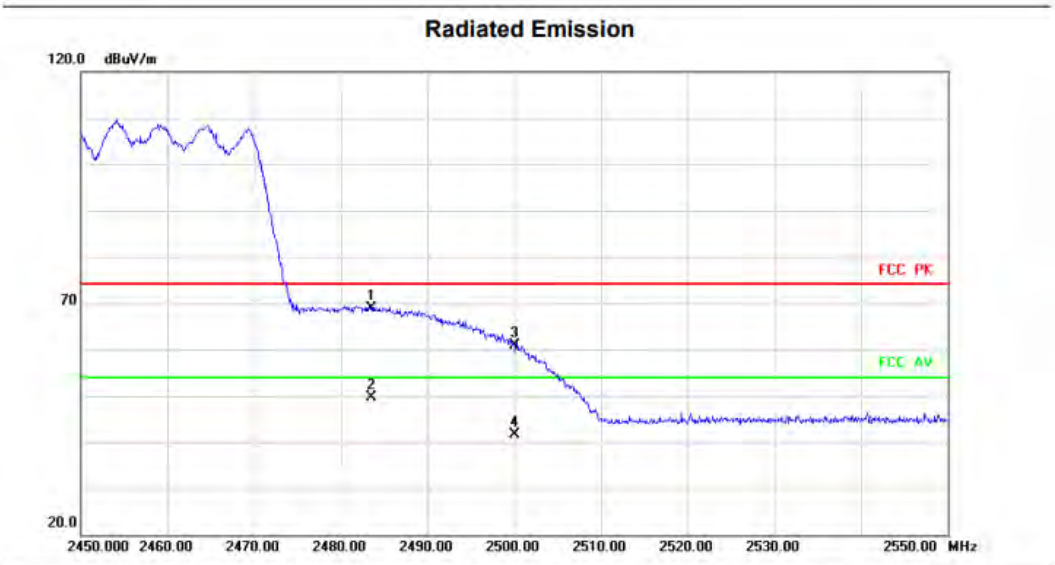


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	59.97	11.09	71.06	74.00	-2.94	peak			
2	*	2483.500	41.64	11.09	52.73	54.00	-1.27	AVG			
3		2500.000	51.68	11.22	62.90	74.00	-11.10	peak			
4		2500.000	34.02	11.22	45.24	54.00	-8.76	AVG			

HORIZONTA



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	Comment
1	*	4904.000	47.84	-1.41	46.43	74.00	-27.57	peak			



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	Comment
1		2483.500	57.70	11.09	68.79	74.00	-5.21	peak			
2	*	2483.500	38.50	11.09	49.59	54.00	-4.41	AVG			
3		2500.000	49.78	11.22	61.00	74.00	-13.00	peak			
4		2500.000	30.43	11.22	41.65	54.00	-12.35	AVG			

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

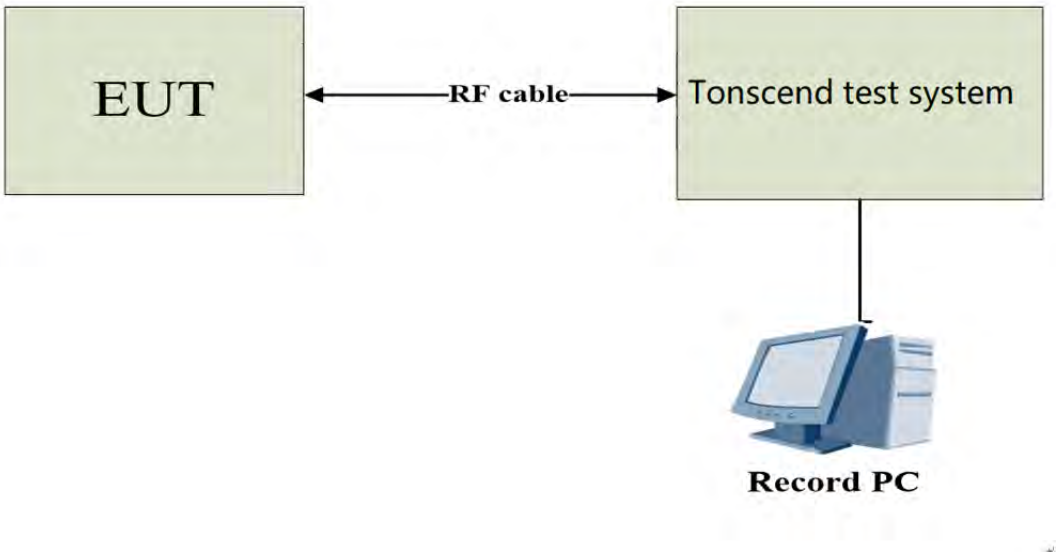
Test Method	
●Conducted Measurement	○Radiated Measurement
Test Channels	
● Lowest, Middle and Highest Channel	○ Lowest and Highest Channel
Environmental conditions	
●Normal	○Normal and Extreme
Note:●:Test ○:No Test	

a) The EUT was directly connected to the tonscend 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

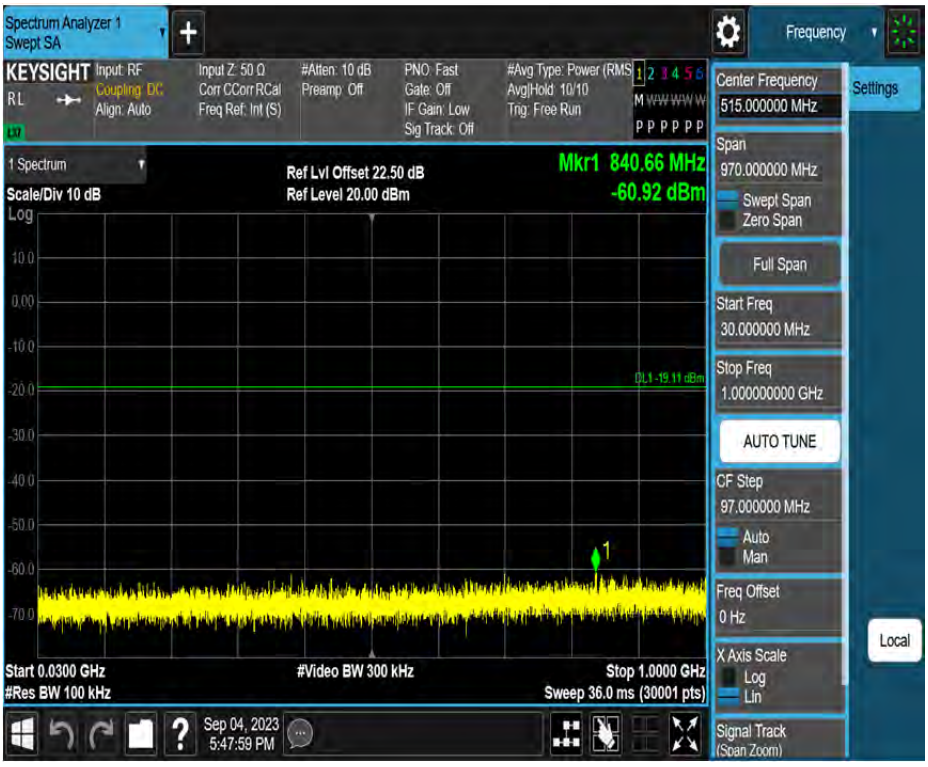
3.3.3 Test Setup



3.3.4 The Result

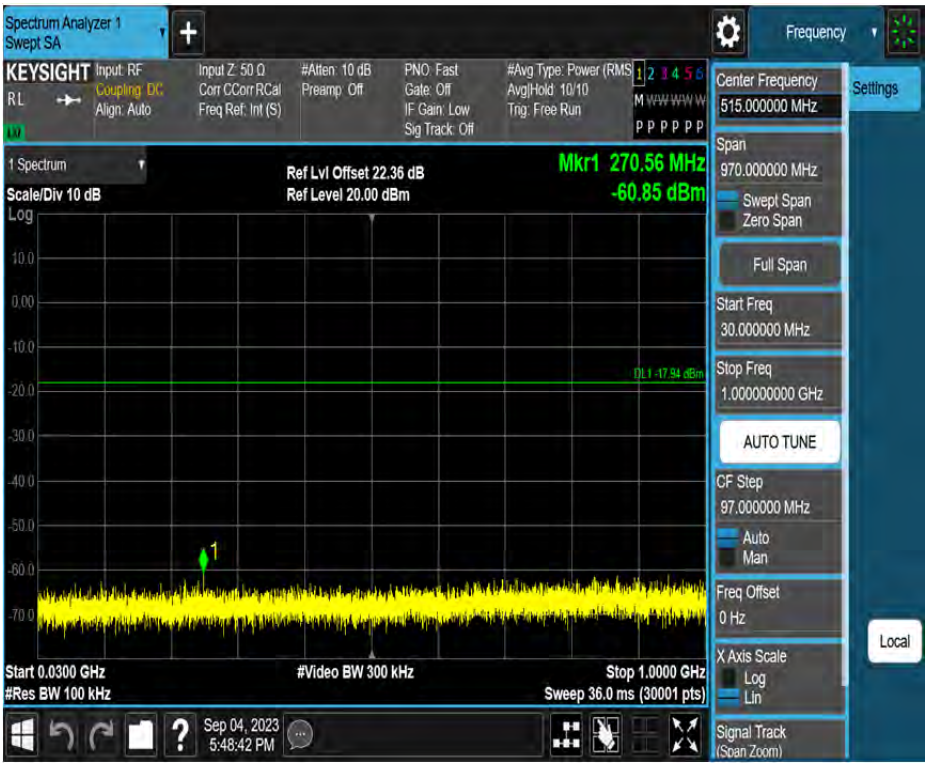
Conducted Spurious Emission

11B_Ant1_2412_0~Reference

11B_Ant1_2412_30~1000


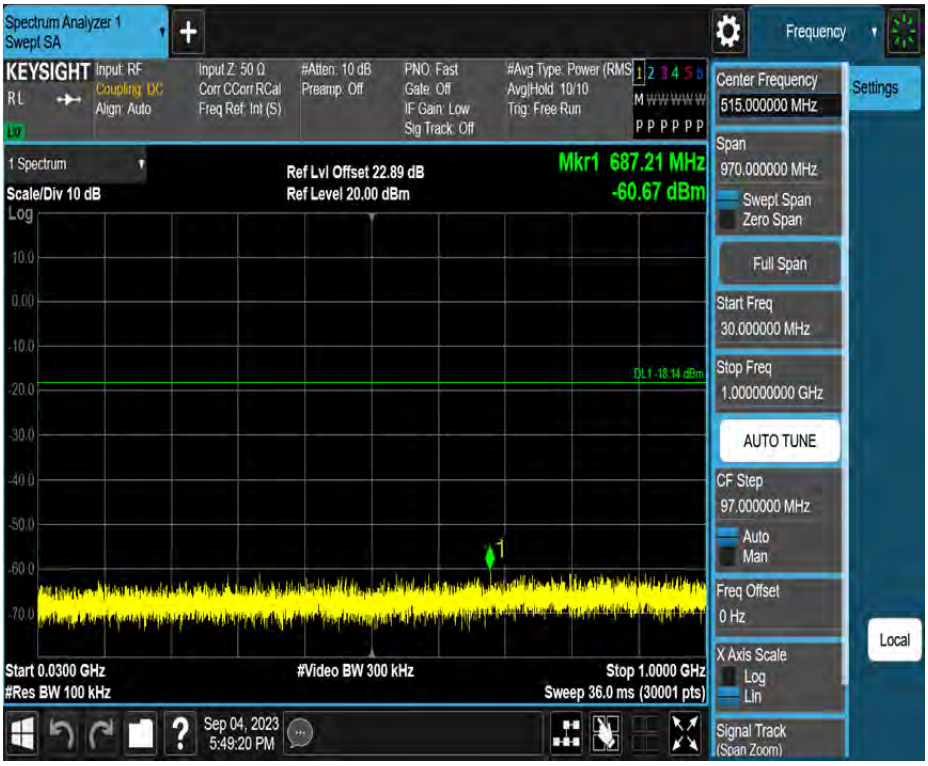
11B_Ant1_2412_1000~26500


11B_Ant2_2412_0~Reference


11B_Ant2_2412_30~1000


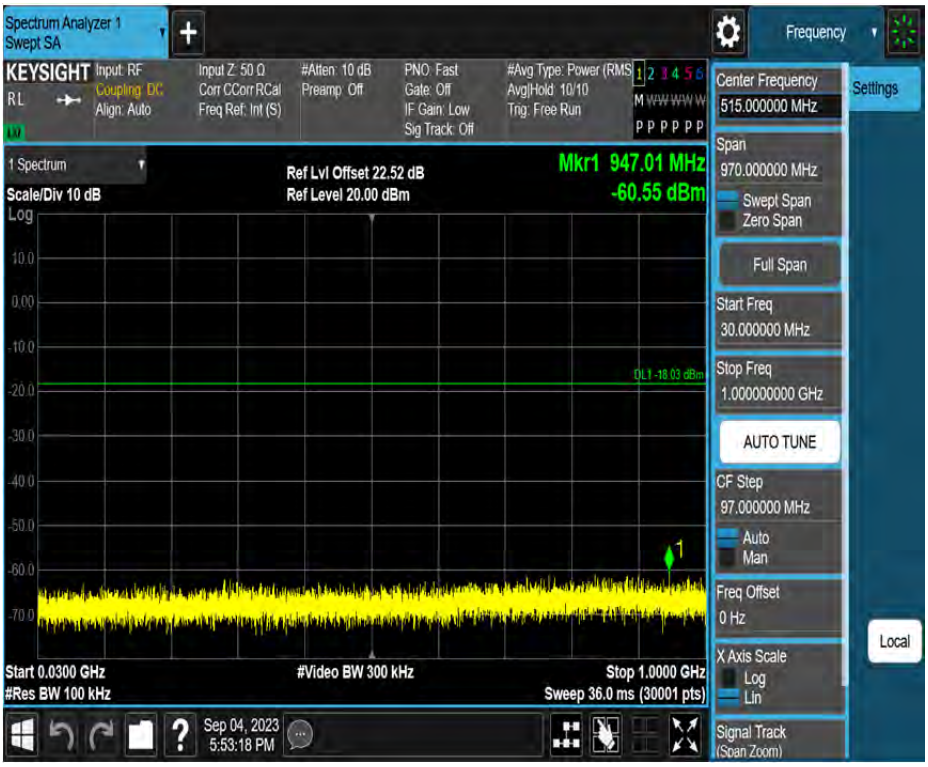
11B_Ant2_2412_1000~26500


11B_Ant3_2412_0~Reference


11B_Ant3_2412_30~1000


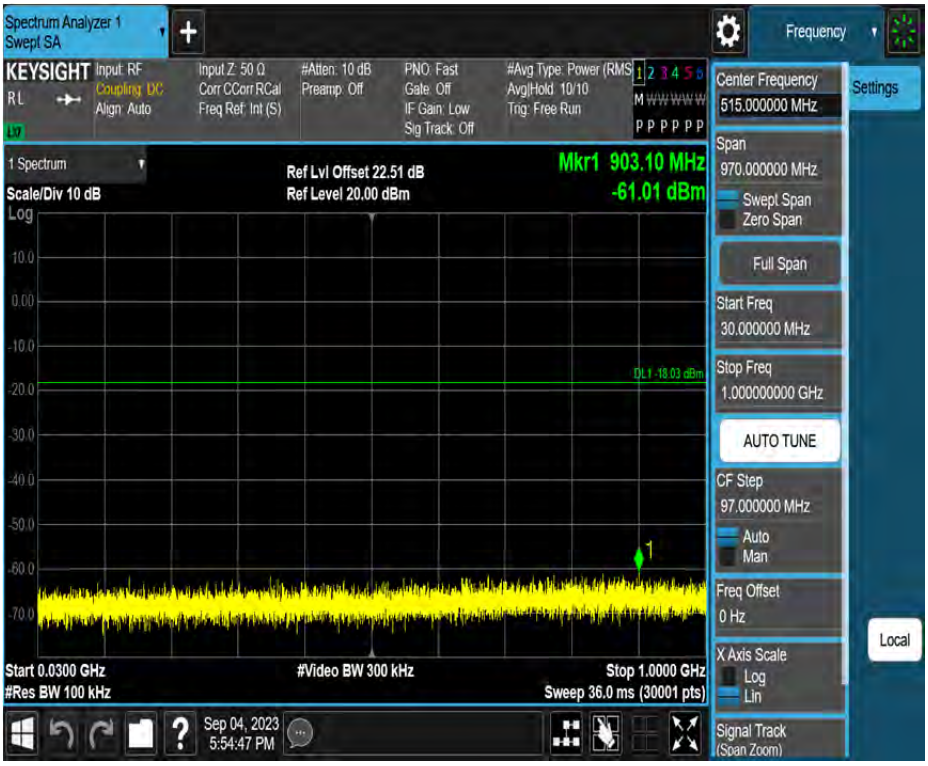
11B_Ant3_2412_1000~26500


11B_Ant1_2437_0~Reference


11B_Ant1_2437_30~1000


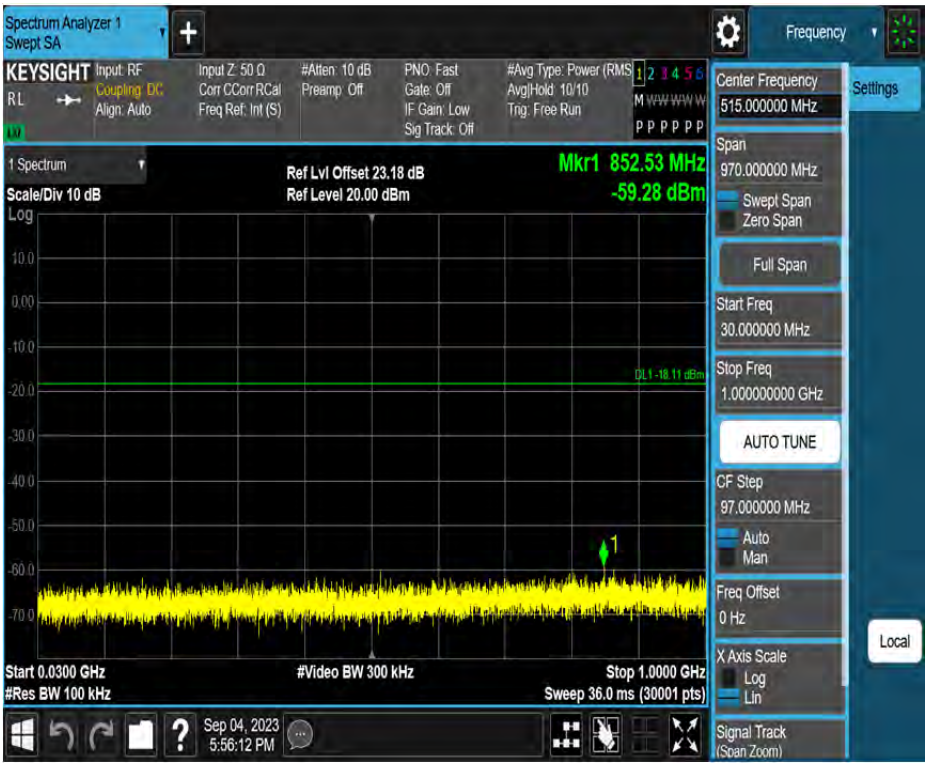
11B_Ant1_2437_1000~26500


11B_Ant2_2437_0~Reference


11B_Ant2_2437_30~1000


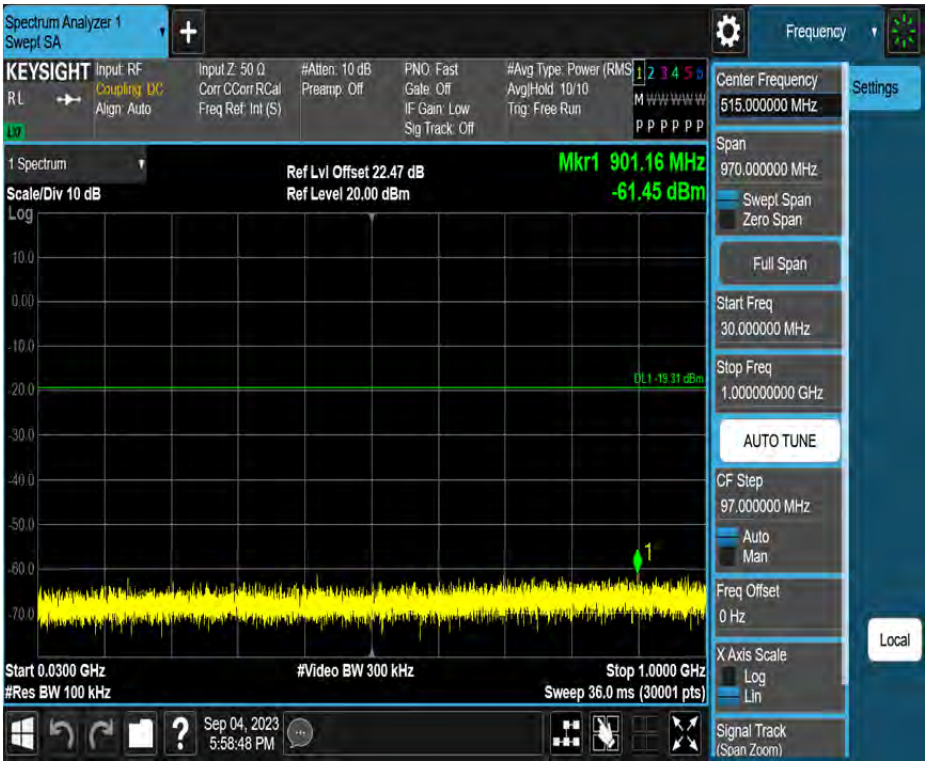
11B_Ant2_2437_1000~26500


11B_Ant3_2437_0~Reference


11B_Ant3_2437_30~1000


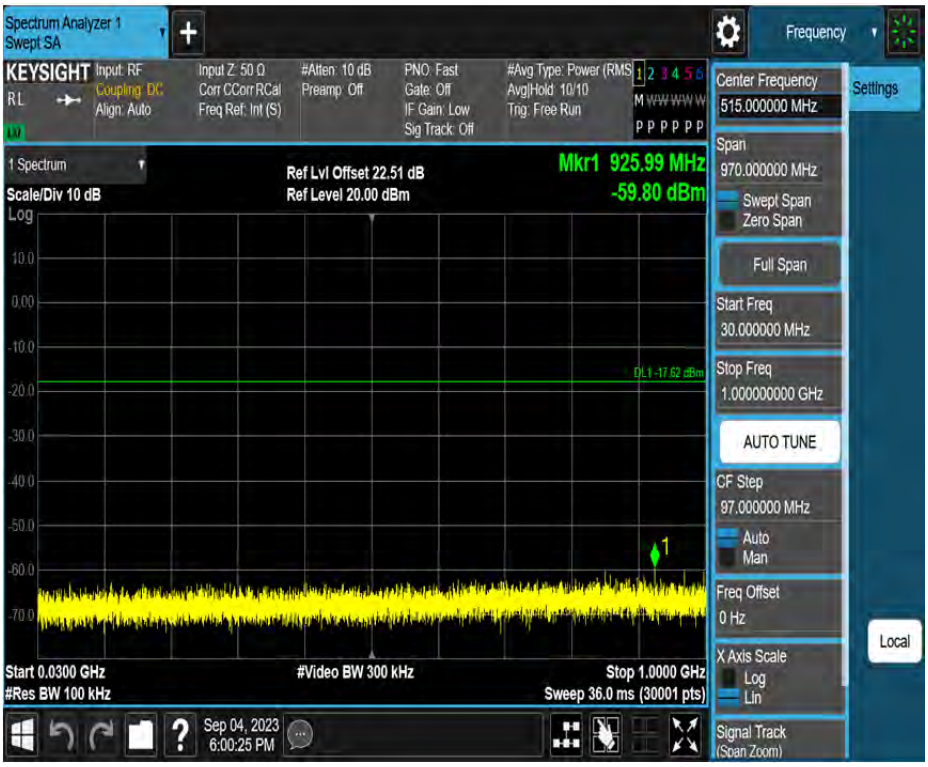
11B_Ant3_2437_1000~26500


11B_Ant1_2462_0~Reference


11B_Ant1_2462_30~1000


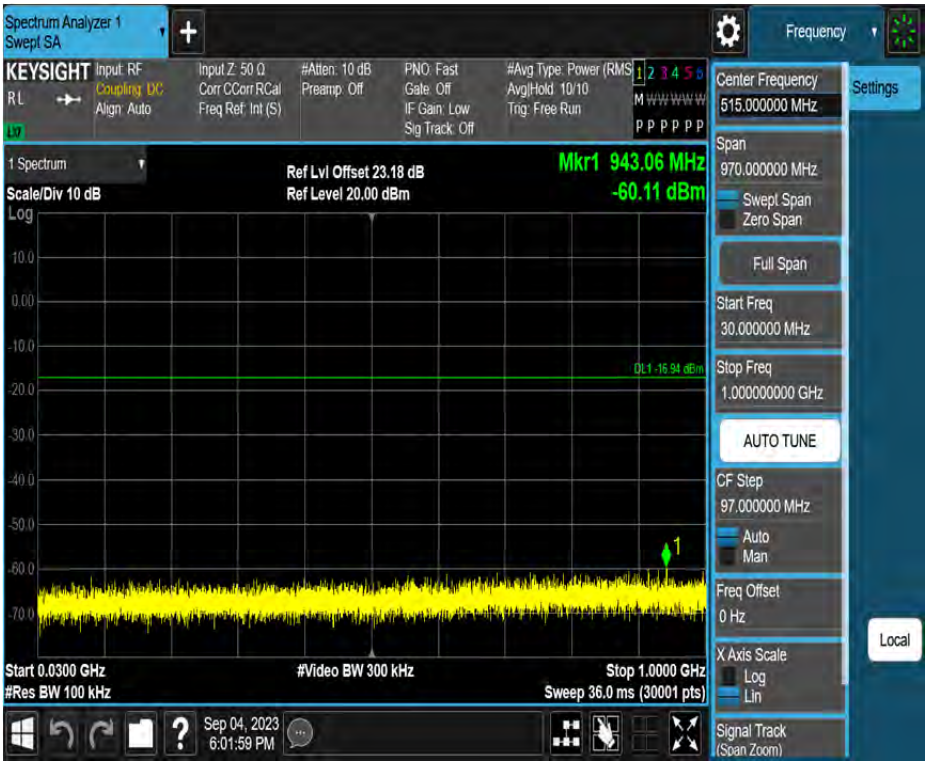
11B_Ant1_2462_1000~26500


11B_Ant2_2462_0~Reference

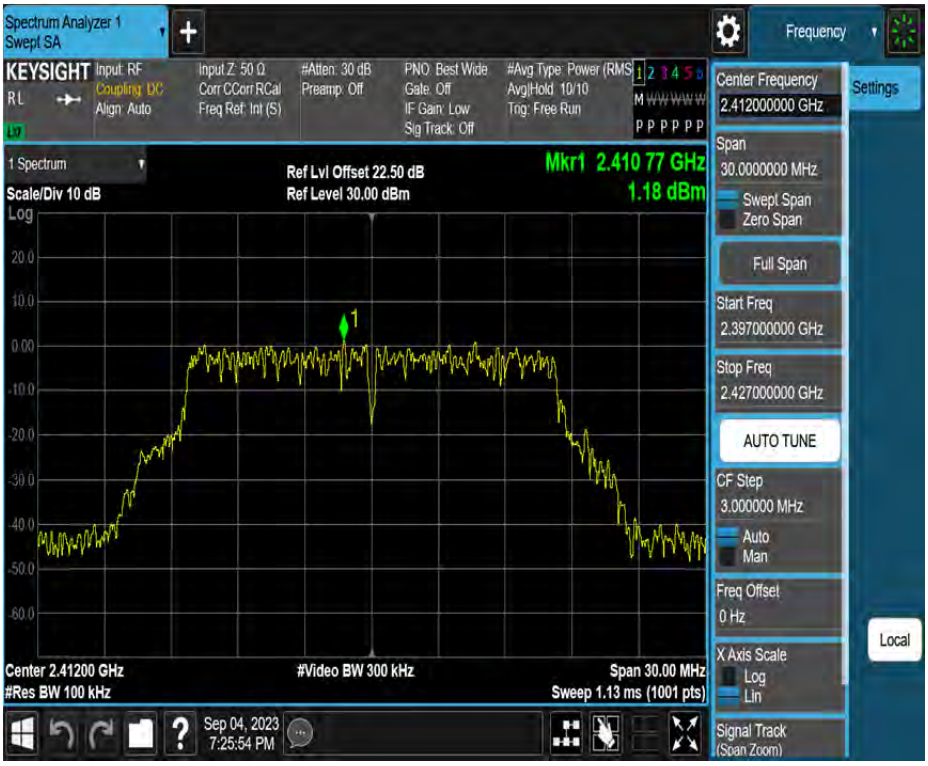

11B_Ant2_2462_30~1000


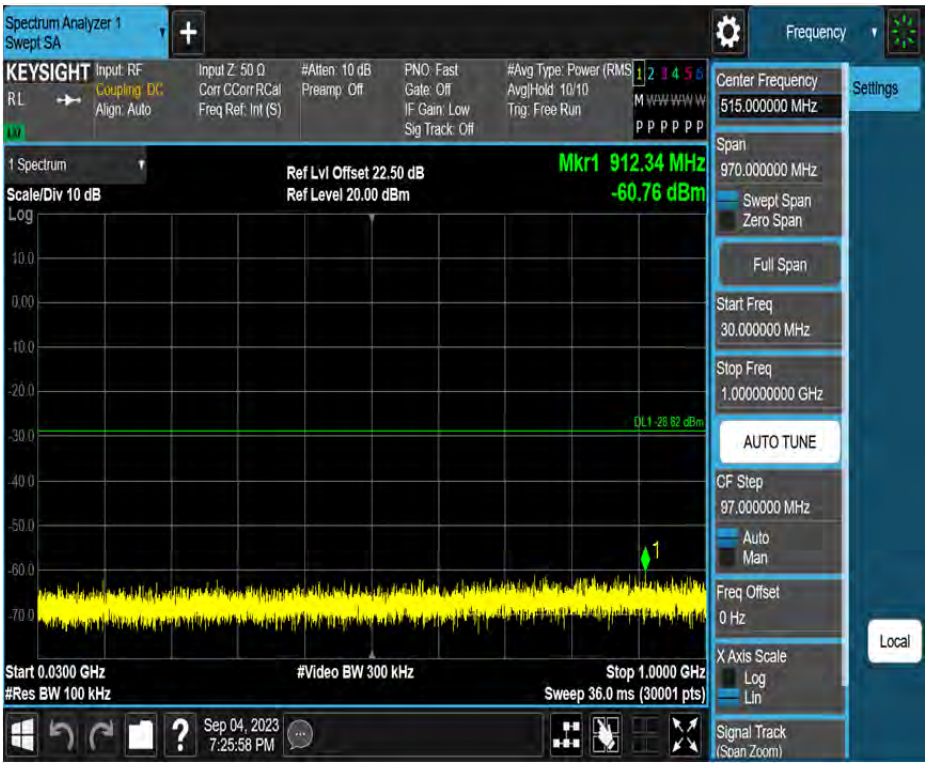
11B_Ant2_2462_1000~26500


11B_Ant3_2462_0~Reference

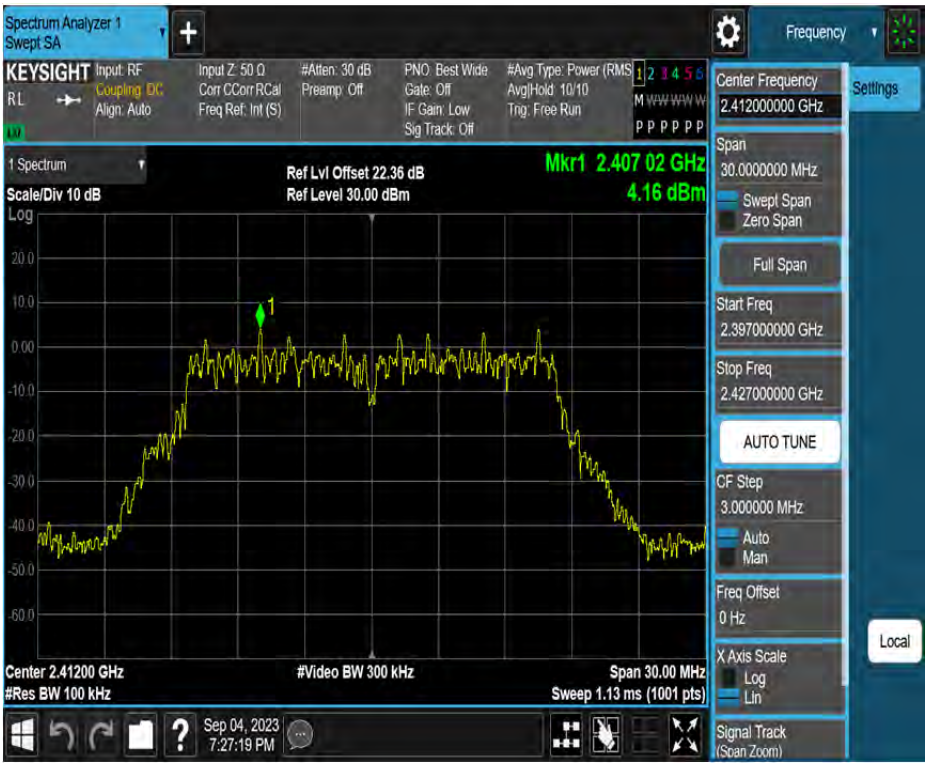

11B_Ant3_2462_30~1000


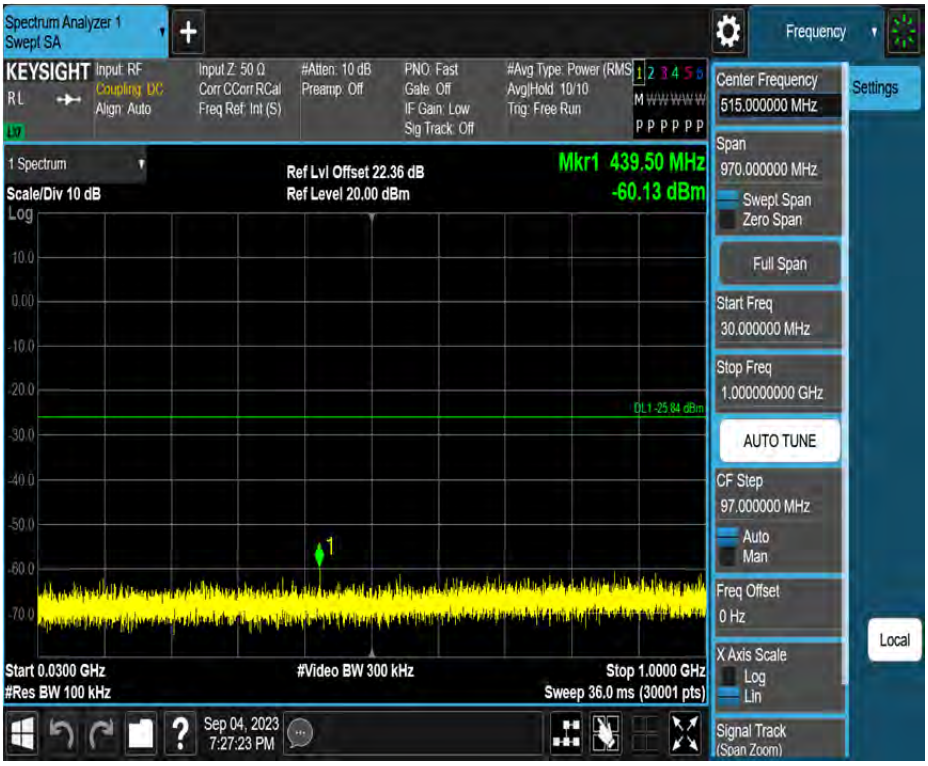
11B_Ant3_2462_1000~26500


11G_Ant1_2412_0~Reference


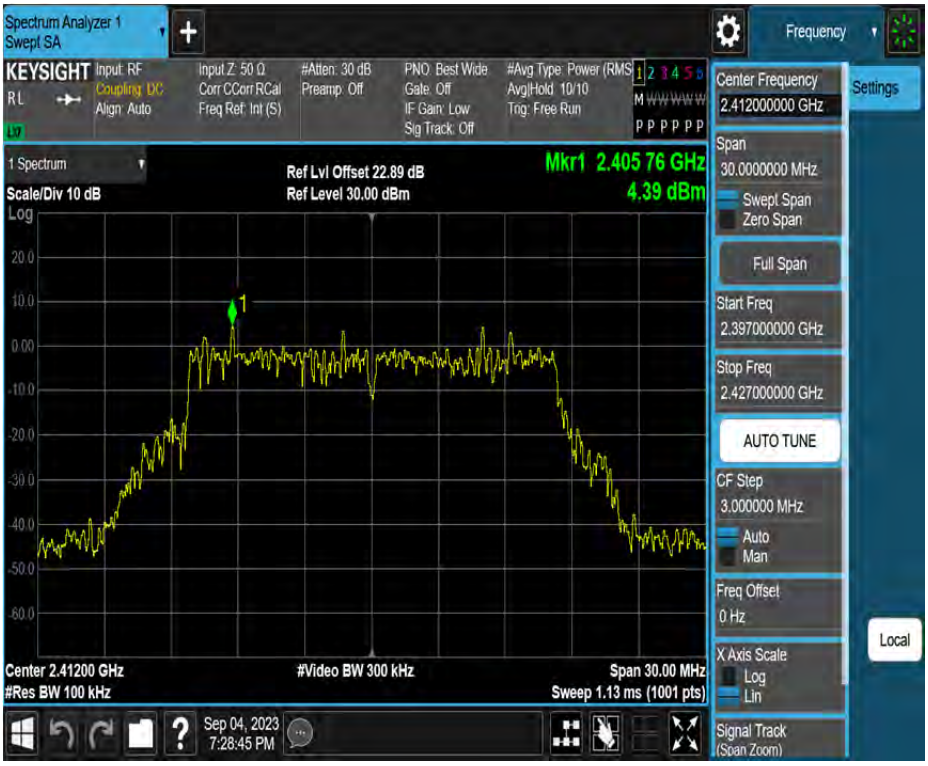
11G_Ant1_2412_30~1000


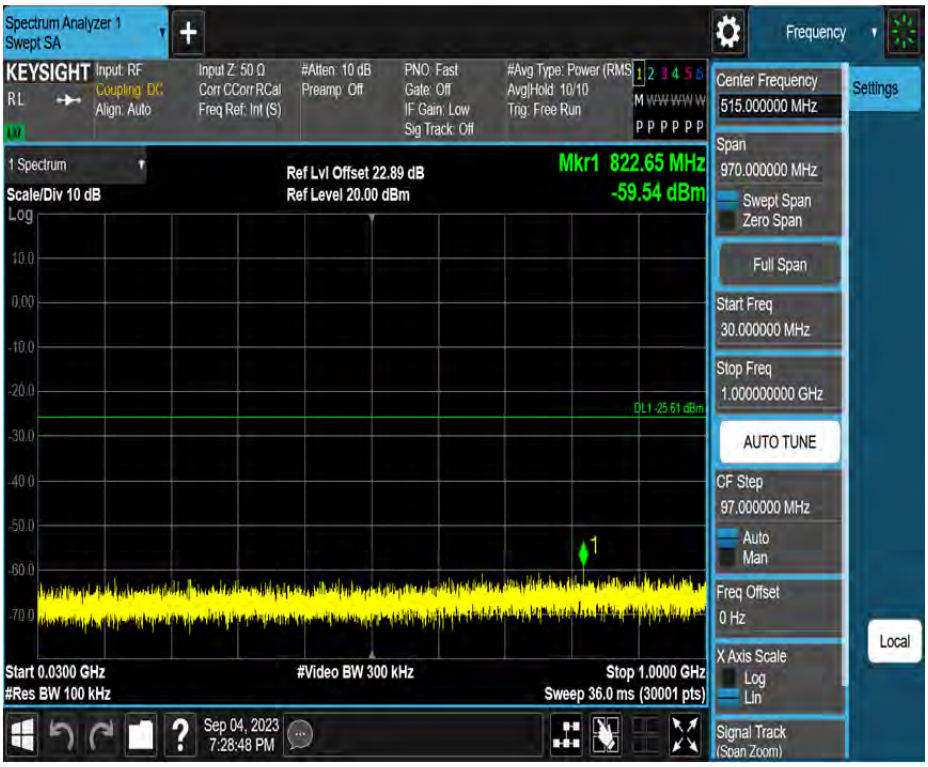
11G_Ant1_2412_1000~26500


11G_Ant2_2412_0~Reference


11G_Ant2_2412_30~1000


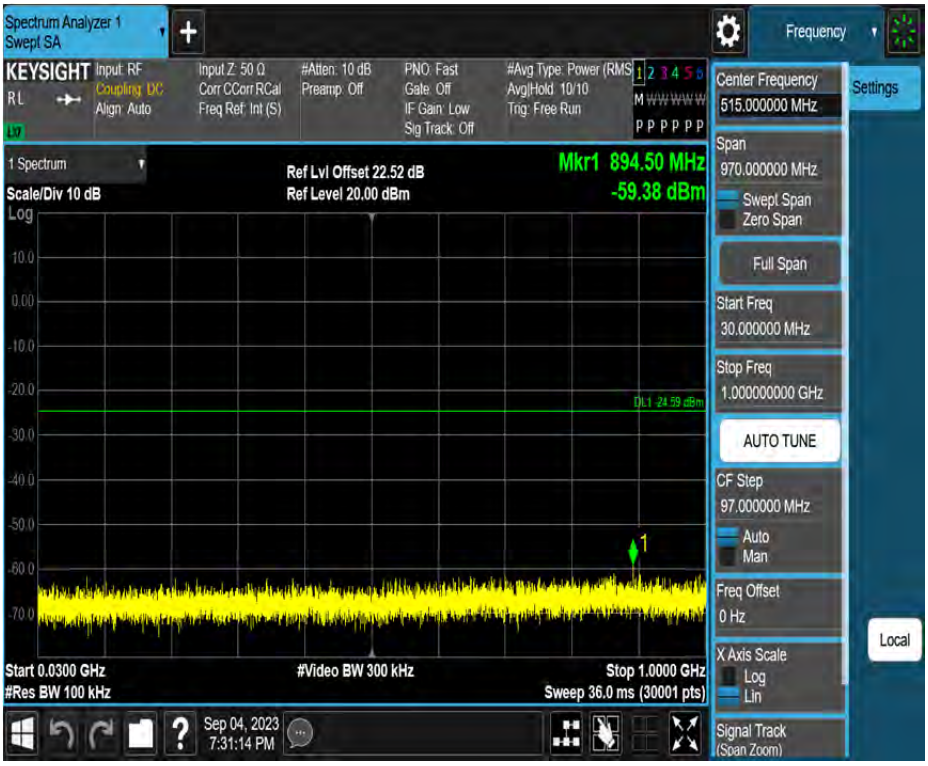
11G_Ant2_2412_1000~26500


11G_Ant3_2412_0~Reference


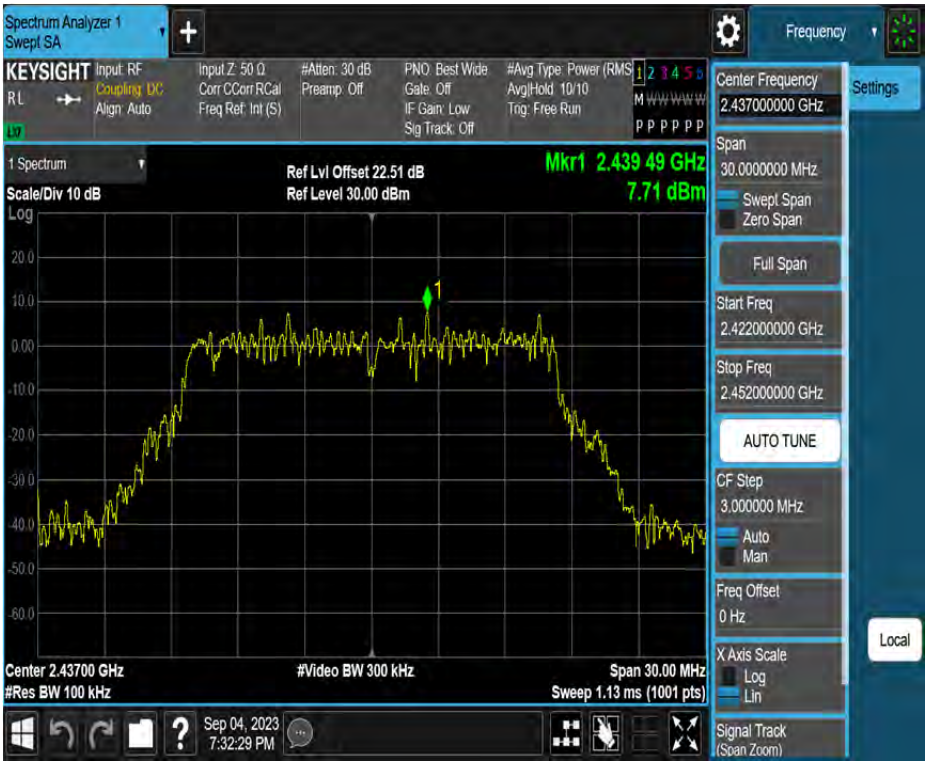
11G_Ant3_2412_30~1000


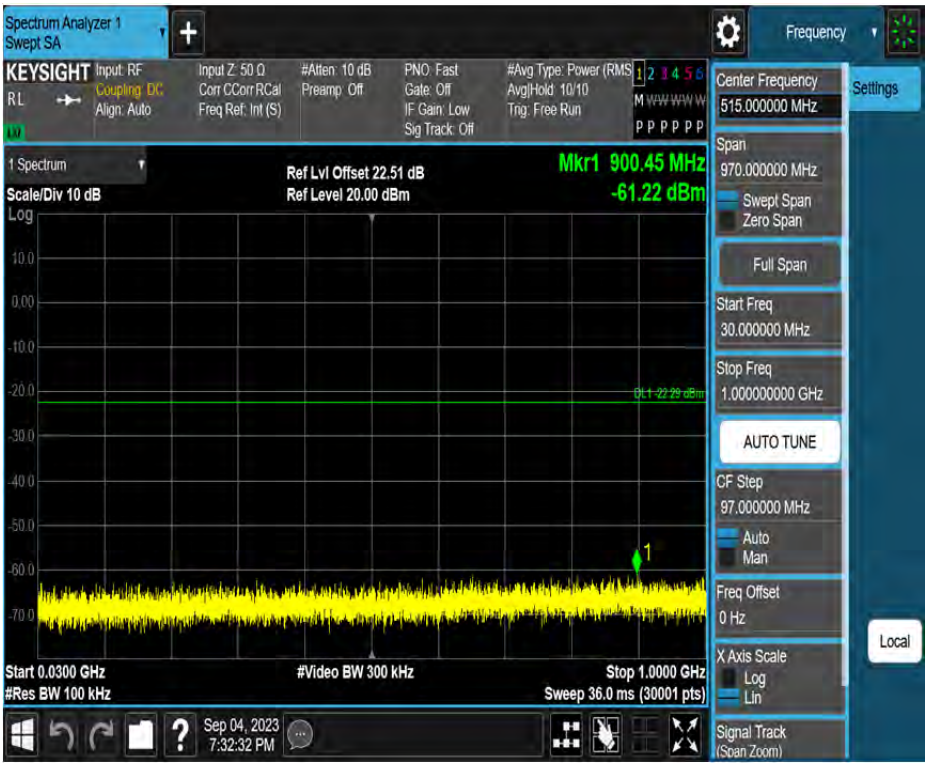
11G_Ant3_2412_1000~26500


11G_Ant1_2437_0~Reference

11G_Ant1_2437_30~1000


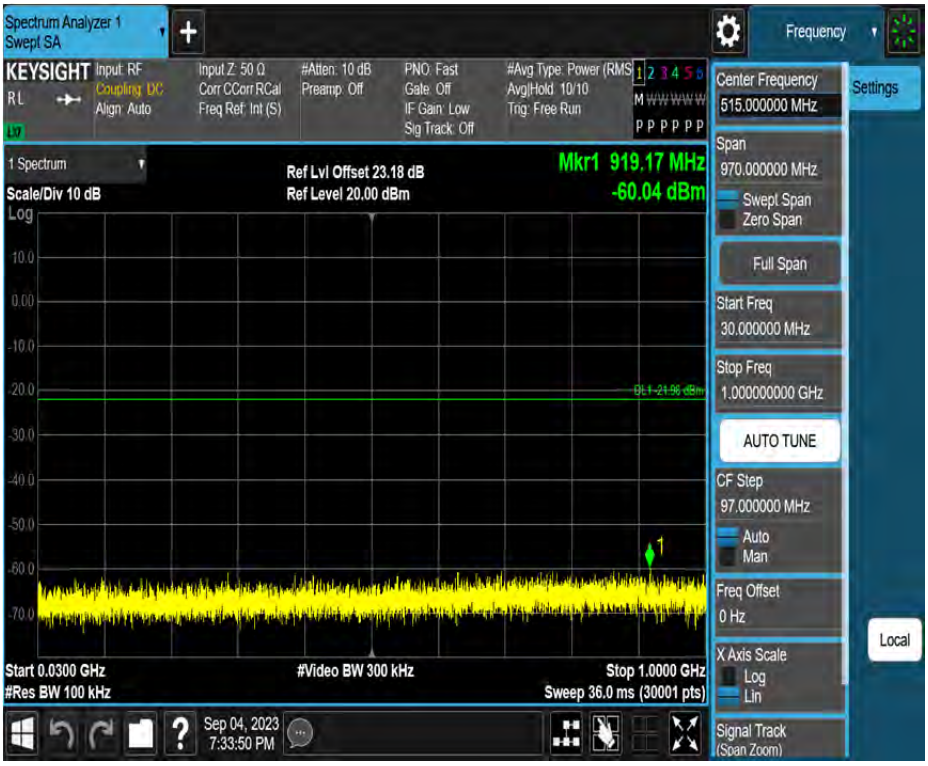
11G_Ant1_2437_1000~26500


11G_Ant2_2437_0~Reference


11G_Ant2_2437_30~1000


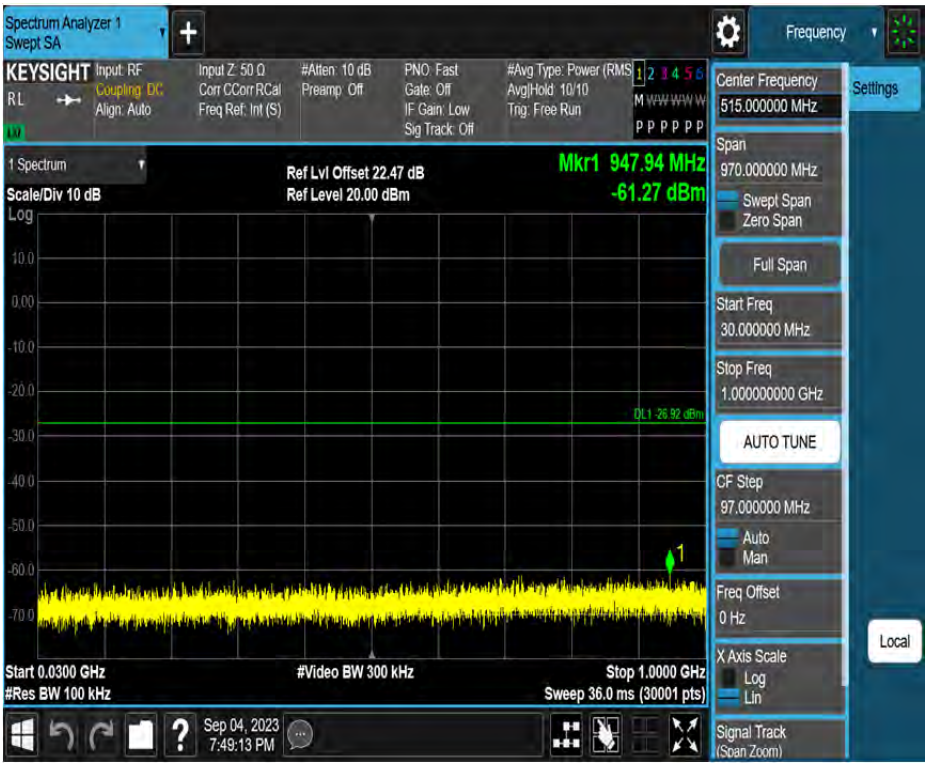
11G_Ant2_2437_1000~26500


11G_Ant3_2437_0~Reference


11G_Ant3_2437_30~1000


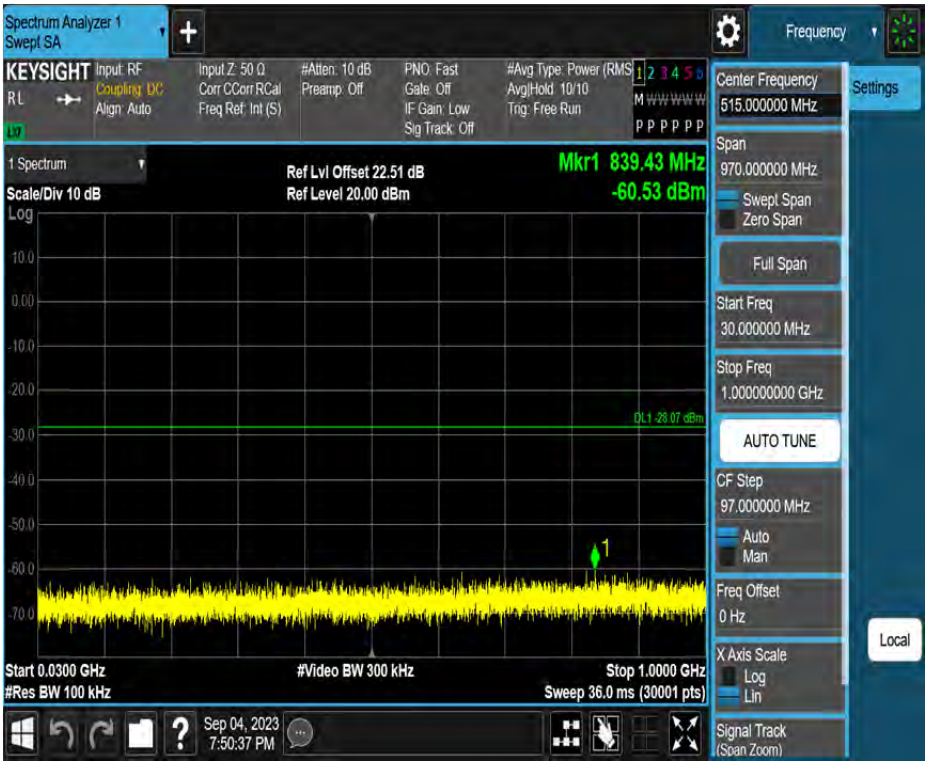
11G_Ant3_2437_1000~26500


11G_Ant1_2462_0~Reference

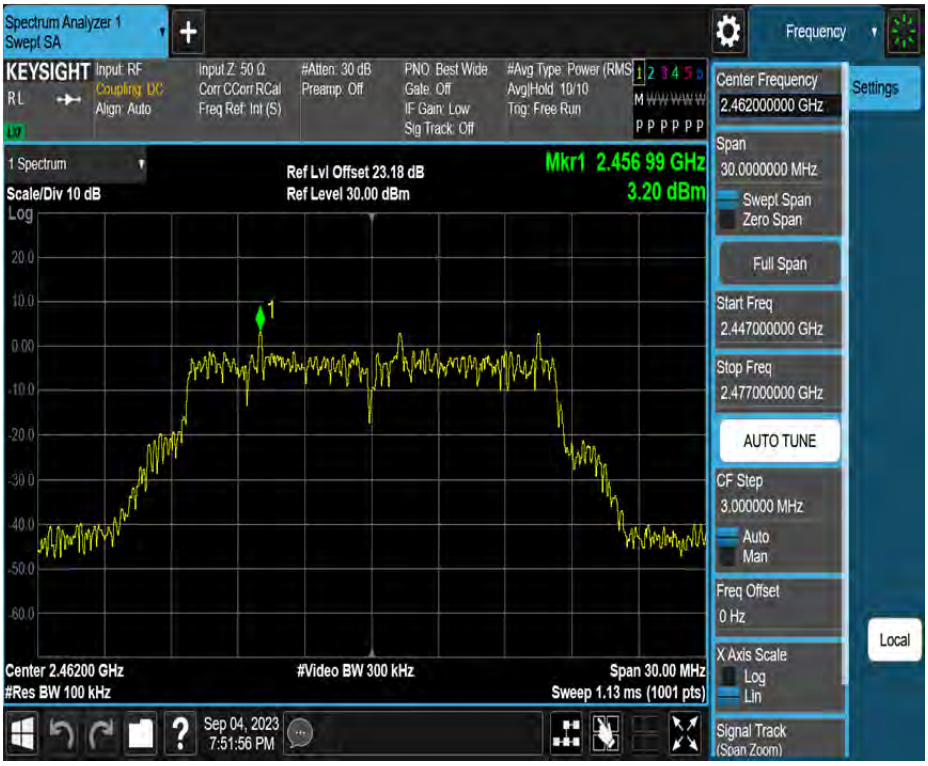

11G_Ant1_2462_30~1000


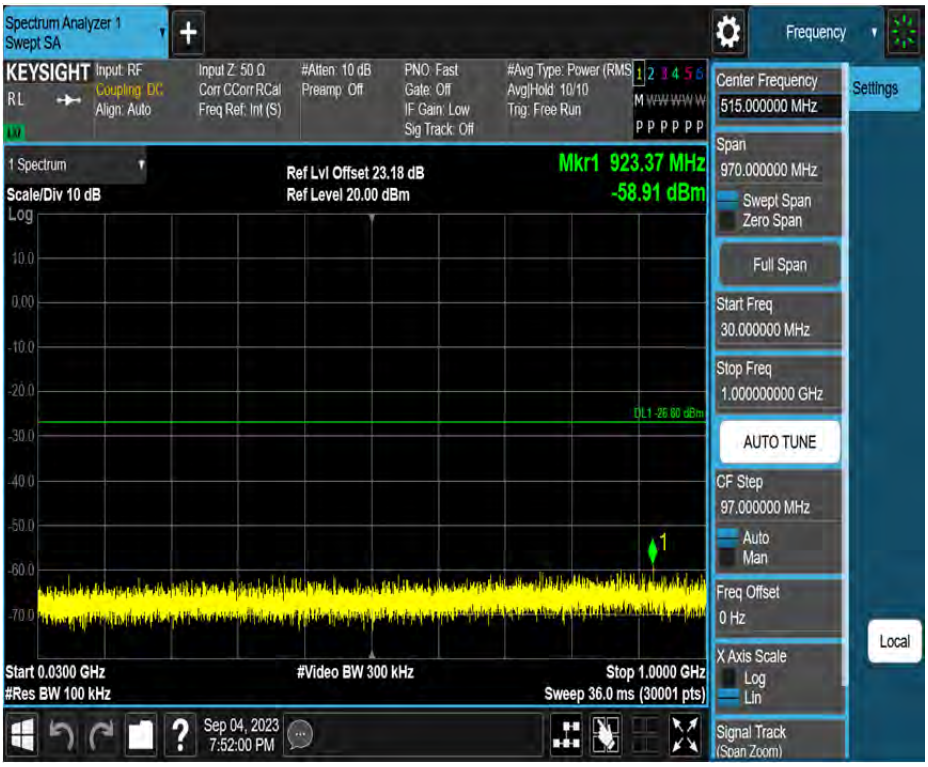
11G_Ant1_2462_1000~26500


11G_Ant2_2462_0~Reference

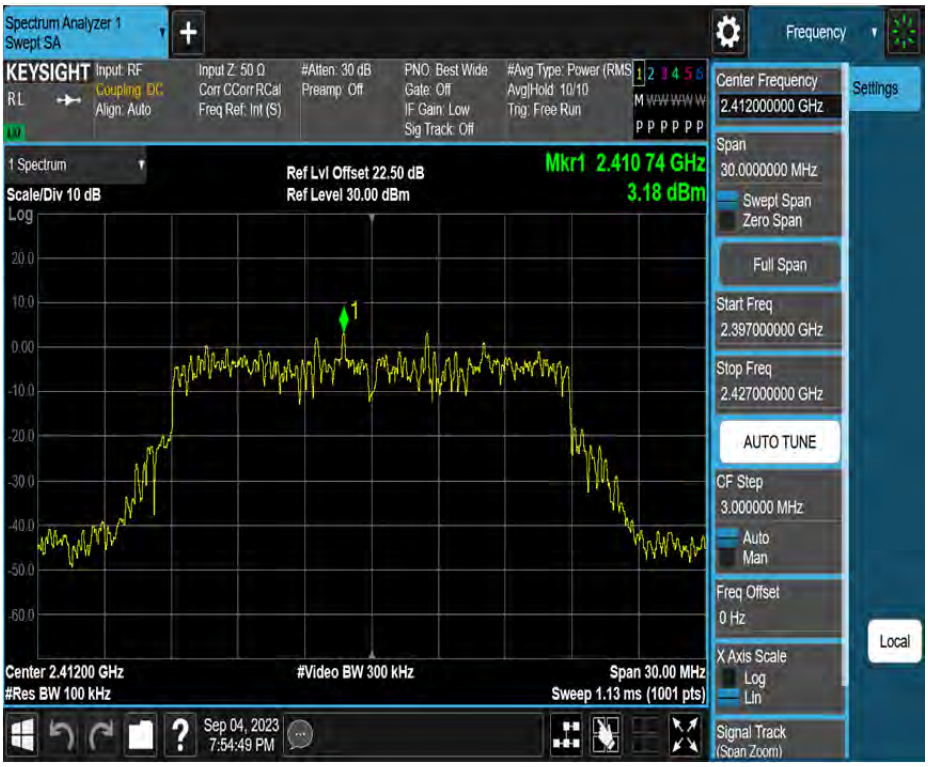
11G_Ant2_2462_30~1000


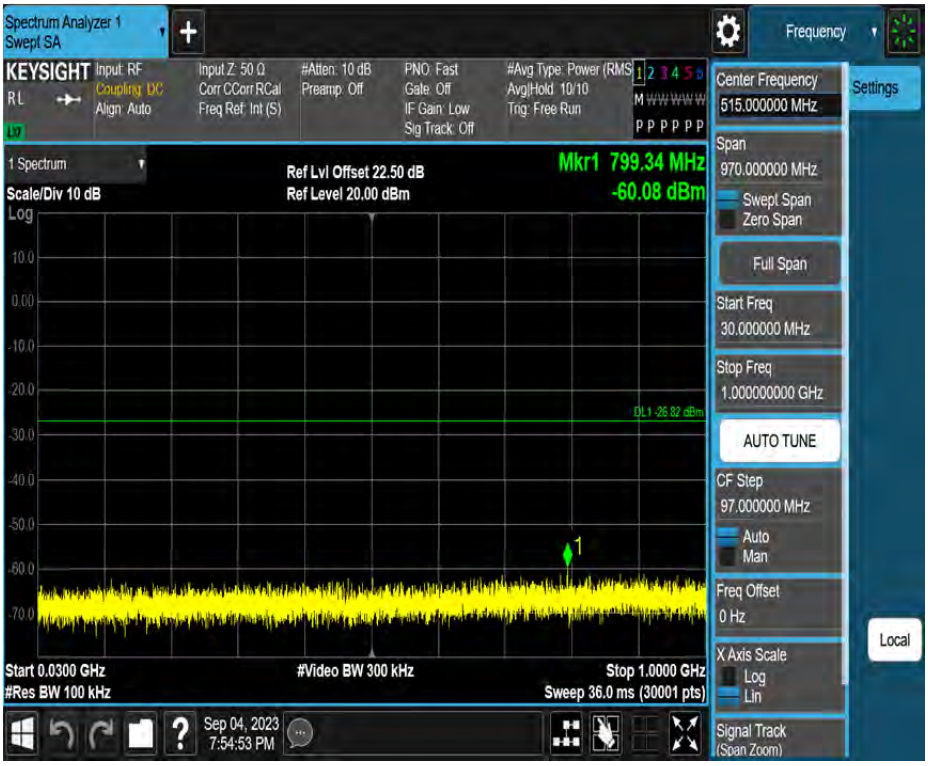
11G_Ant2_2462_1000~26500


11G_Ant3_2462_0~Reference


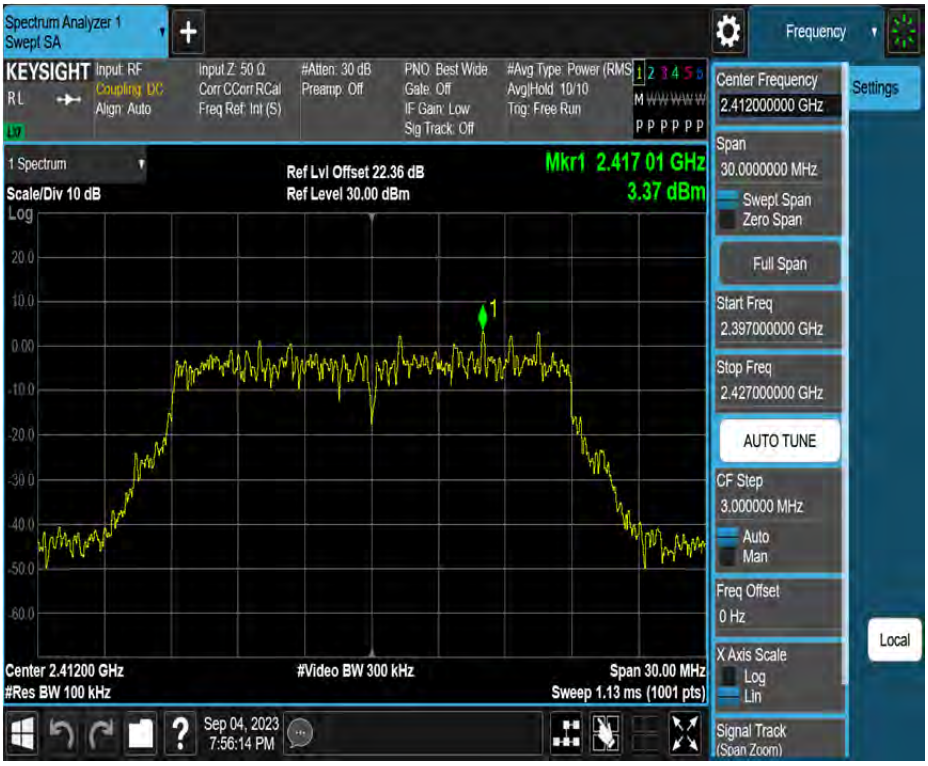
11G_Ant3_2462_30~1000


11G_Ant3_2462_1000~26500


11N20MIMO_Ant1_2412_0~Reference


11N20MIMO_Ant1_2412_30~1000


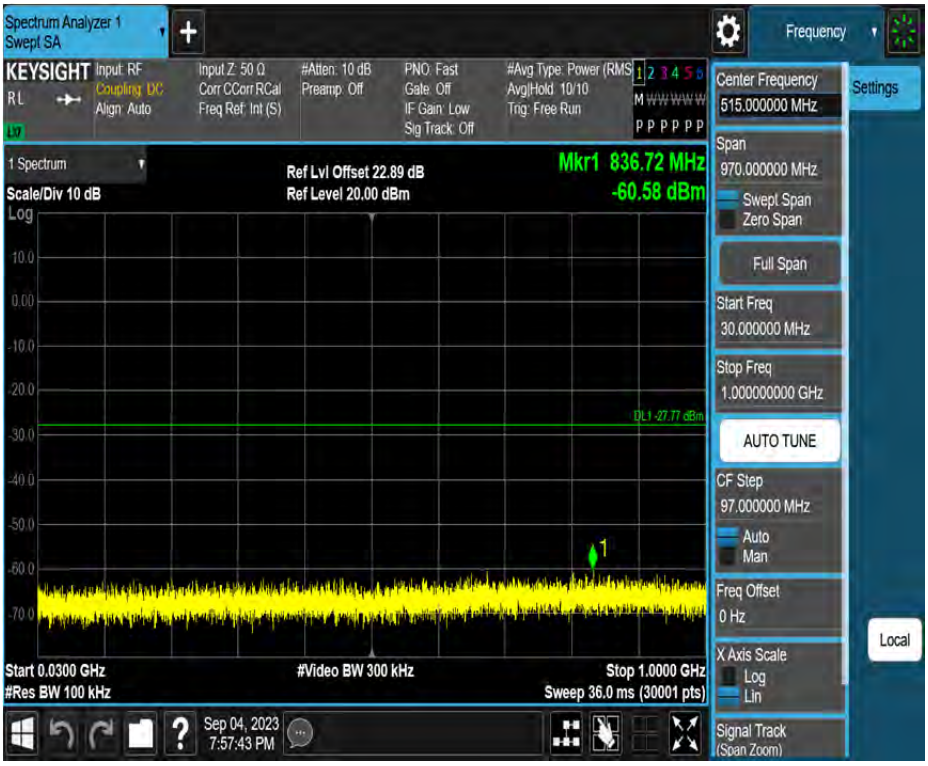
11N20MIMO_Ant1_2412_1000~26500


11N20MIMO_Ant2_2412_0~Reference


11N20MIMO_Ant2_2412_30~1000

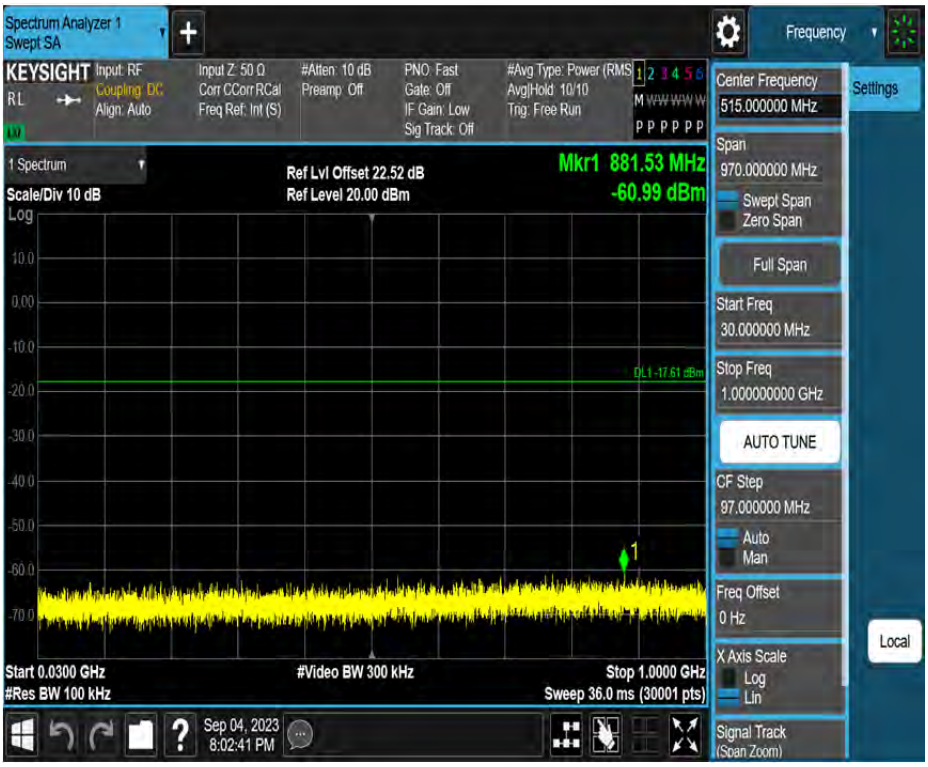

11N20MIMO_Ant2_2412_1000~26500


11N20MIMO_Ant3_2412_0~Reference


11N20MIMO_Ant3_2412_30~1000


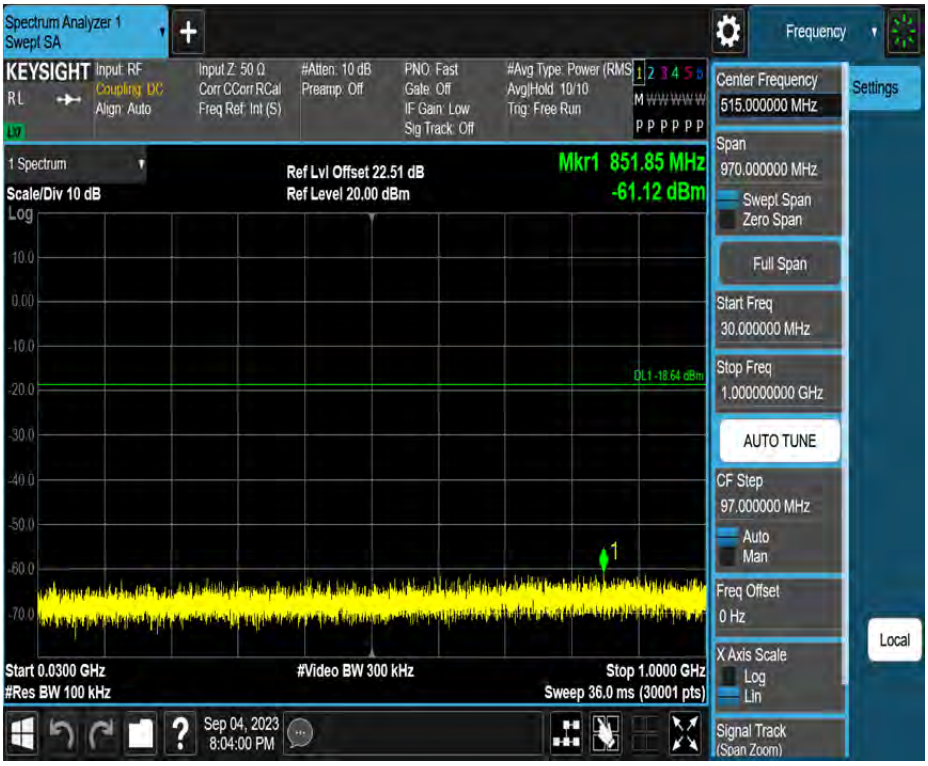
11N20MIMO_Ant3_2412_1000~26500


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_Ant3_2437_0~Reference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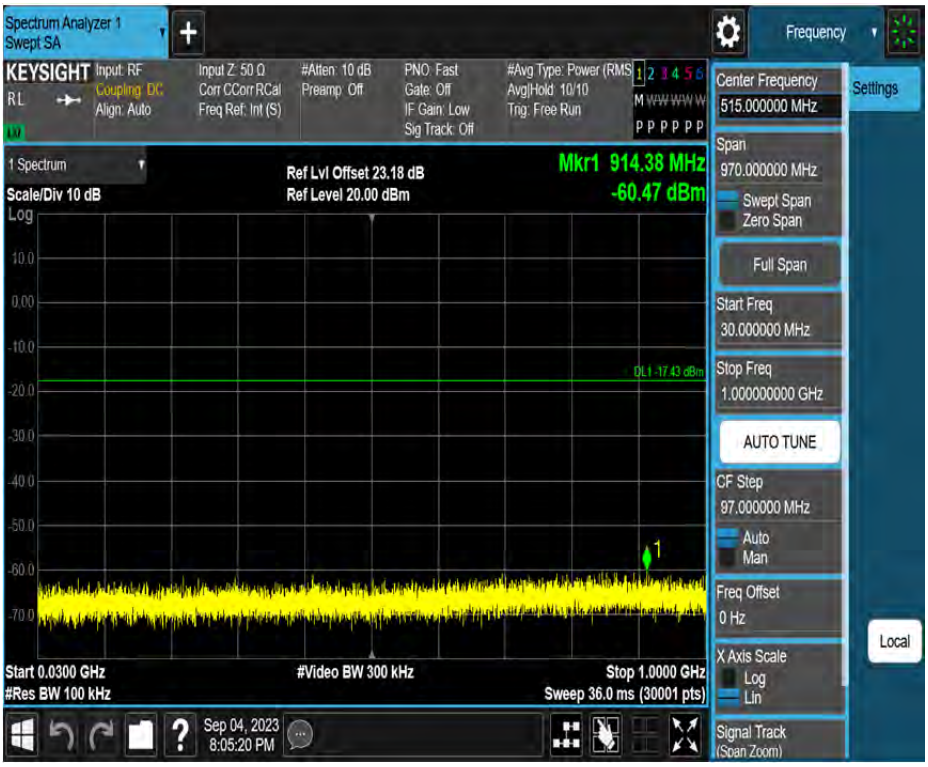
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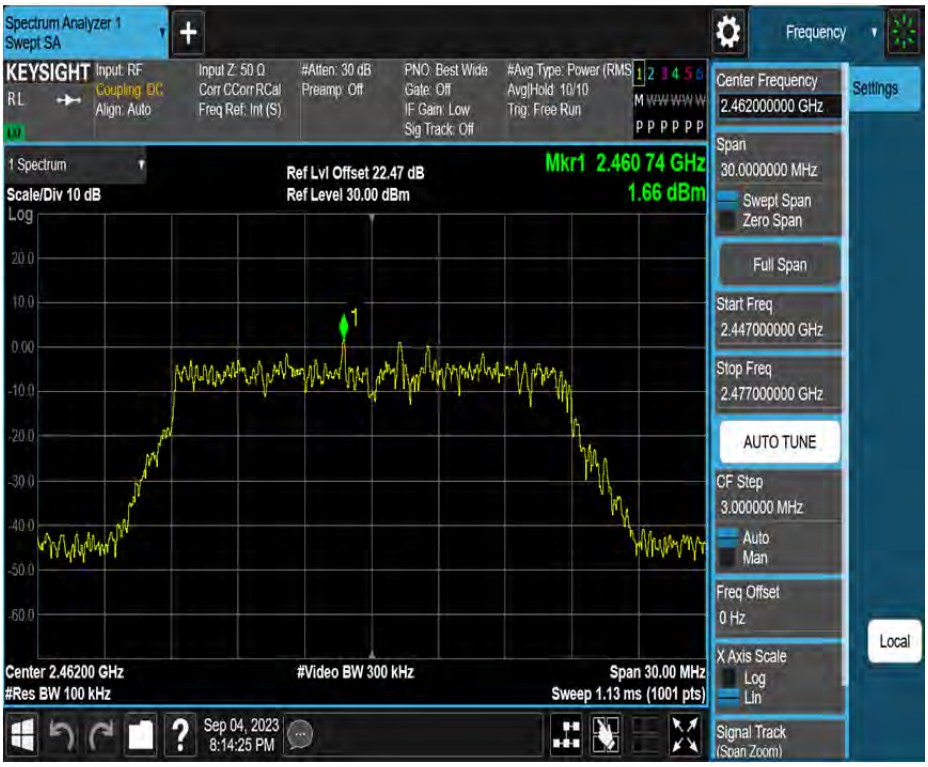
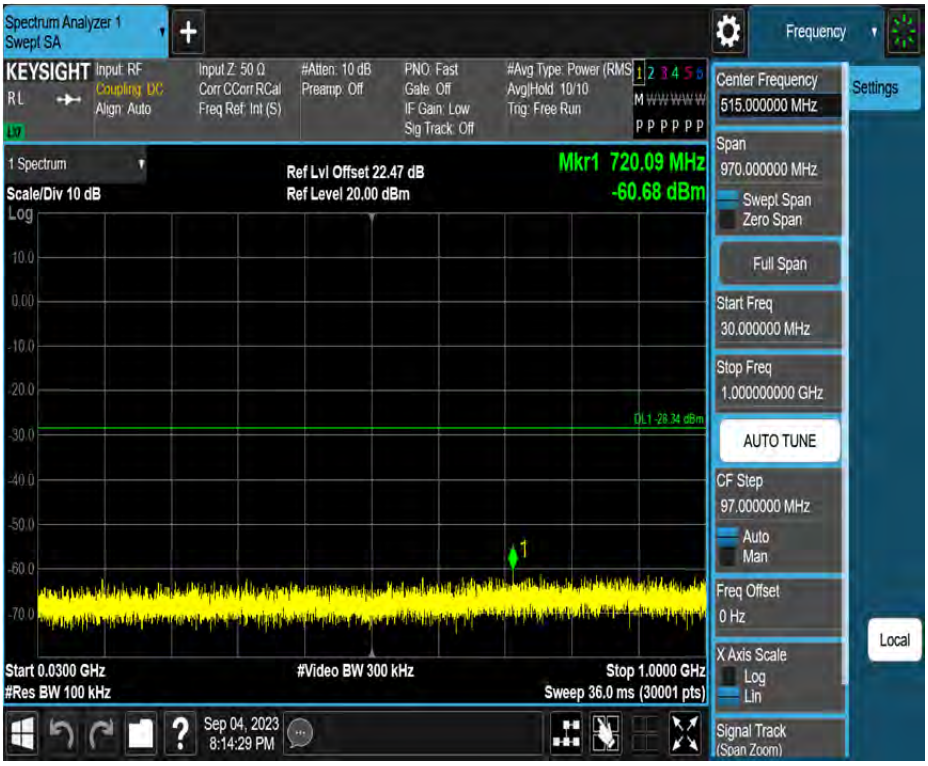
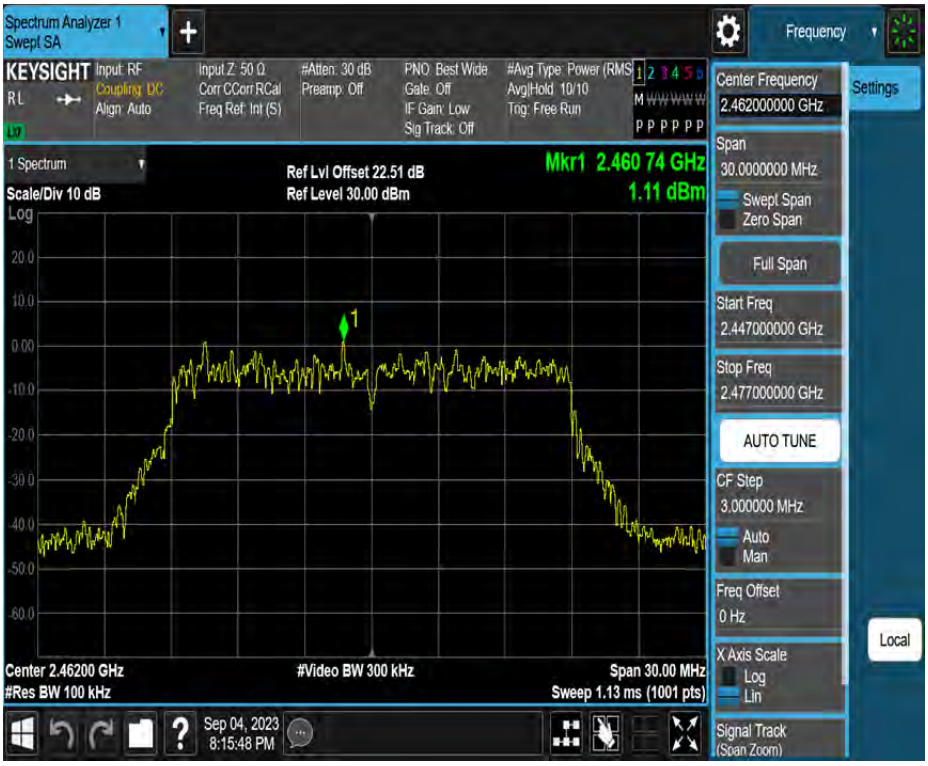
11N20MIMO_Ant1_2462_0~Reference


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


11N20MIMO_Ant3_2462_0~Reference


11N20MIMO_Ant3_2462_30~1000