RF TEST REPORT

FCC ID: 2BLKE-SOM7981

Test Report No……..:	RF240311020-02-001
Product(s) Name……...:	Wi-Fi module
Model(s)……..:	SOM7981
Trade Mark……....:	N/A
Applicant……..…:	OpenEmbed M&C
Address……..…...:	408, Building 3, Minle Industrial Zone,Minle Community, Minzhi Street, Longhua District, Shenzhen, Guangdong, China.
Receipt Date……..:	2024.04.26
Test Date……....:	2024.05.28~2024.07.16
Issued Date……..…:	2024.09.03
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:	
Jason Huang	Tim Zhang	Misue Su	
Jason huang	Tim.zhang	Misue Su	

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History of this test report

Original Report Issue Date: 2024.09.03

● No additional attachment

○ Additional attachments were issued following record

Attachment No.	Issue Date	Description

1. General Information

1.1 Applicant

OpenEmbed M&C

408, Building 3, Minle Industrial Zone,Minle Community, Minzhi Street, Longhua District, Shenzhen, Guangdong, China.

1.2 Manufacturer

OpenEmbed M&C

408, Building 3, Minle Industrial Zone,Minle Community, Minzhi Street, Longhua District, Shenzhen, Guangdong, China.

1.3 Factory

Dongguan Yue Shun electronic technology Co., LTD

No. 19 Junpeng Road, Shitanpu Community, Tangxia Town, Dongguan City

1.4 Basic Description of Equipment Under Test

Product No.	POC240311020-S001	
Equipment Name	Wi-Fi module	
Model Name	SOM7981	
Trade Mark	N/A	
Power Supply	DC 12V from adapter	
Operate temperature	-20℃-60℃	
EUT Stage	○ Product Unit	● Final-Sample
Operating Band and Conducted Output Power (Max power)	2400MHz ~ 2483.5MHz	●IEEE 802.11AX40:26.53dBm(0.45W)
Product Type	IEEE 802.11b: WLAN (SISO) IEEE 802.11g: WLAN(SISO) IEEE 802.11n: WLAN (MIMO) IEEE 802.11ax: WLAN (MIMO)	
Nominal Bandwidth	20MHz/40 MHz	
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 802.11n mode : up to 300 IEEE 802.11ax mode: up to 573.5	
Antenna gain	Ant1:4.3dBi, Ant2:4.3dBi	
Antenna type	External Antenna	

Eleven channels are provided for 802.11b, 802.11g, 802.11n, 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	/	/

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

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

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

1.5 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

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 two detachable attached external antenna units.			

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

No.	Name of Equipment	Manufacturer	Model Number	Serial Number	Inventory No.	Last Calibration	Due Calibration
Radiated Emission							
1	Test receiver	Rohde&Schwarz	ESU	100184	JLE011	2024/4/24	2025/4/23
2	Log periodic antenna	Schwarzbeck	VULB 9168	1151	JLE012	2024/4/20	2025/4/19
3	Low frequency amplifier	/	LNA 0920N	2014	JLE023	2024/4/24	2025/4/23
4	High frequency amplifier	Schwarzbeck	BBV 9718	284	JLE024	2024/4/24	2025/4/23
5	Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1273	JLE028	2024/4/20	2025/4/19
6	Temp&Humidity Recorder	Meideshi	JR900	/	JLE021	2024/4/24	2025/4/23
7	Horn Antenna	SCHWARZBECK	BBHA 9170	9170#685	JLE029	2024/7/15	2025/7/14
8	Loop Antenna	SCHWARZBECK	FMZB1519B	00029	JLE030	2024/7/15	2025/7/14
9	Broadband preamplifier	Schwarzbeck	BBV9721	9721-019	JLE025	2024/4/24	2025/4/23
10	SAC	SAEMC	9*6*6	/	/	2022/5/4	2025/5/3
11	Test software	Farad Technology Co., Ltd	EZ-EMC Ver.TW-03A2				
Conducted Emission							
1	LISN	Rohde&Schwarz	ENV216	100075	JLE002	2024/4/24	2025/4/23
2	ISN	Schwarzbeck	CATE 5 8158	#171	JLE003	2024/4/24	2025/4/23
3	ISN	Schwarzbeck	CAT 3 8158	00187	JLE032	2024/3/31	2025/3/30
4	Test receiver	Rohde&Schwarz	ESCI	100718	JLE010	2024/4/24	2025/4/23
5	Pulse limiter	Rohde&Schwarz	ESH3-Z2	102299	JLE047	2024/4/24	2025/4/23
6	Temp&Humidity Recorder	Meideshi	JR900	/	JLE020	2024/4/24	2025/4/23
7	Test software	Farad Technology Co., Ltd	EZ-EMC Ver.TW-03A2				

RF Conducted Emissions							
1	MXA Signal Analyzer	Keysight	N9021B	MY60080169	JLE050	2024/4/20	2025/4/19
2	RF Control Unit	dsusoft	JS0806-2	21G8060449	JLE053	2024/4/20	2025/4/19
3	power supply unit	dsusoft	JS0806-4 ADC	N/A	JLE055	2024/4/20	2025/4/19
4	VXG Signal Generator	Keysight	M9384B	MY61270787	JLE051	2024/4/20	2025/4/19
5	EXG Analog Signal Generator	Keysight	N5173B	MY59101282	JLE052	2024/4/20	2025/4/19
6	Wideband Radio Communication Tester	Rohde&Schwarz	CMW500	1201.0002K50-116064-Dt	JLE054	2024/4/20	2025/4/19
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	802.11ax(40MHz)	6Mbps	03
Radiated Emission and Band Edge Measurement	802.11b	1Mbps	01/06/11
	802.11g	6Mbps	01/06/11
	802.11n(20MHz)	MCS0	01/06/11
	802.11n(40MHz)	MCS0	03/06/09
	802.11ax(20MHz)	MCS0	01/06/11
	802.11ax(40MHz)	MCS0	03/06/09
Spurious Emission at Antenna Port	802.11b	1Mbps	01/06/11
	802.11g	6Mbps	01/06/11
	802.11n(20MHz)	MCS0	01/06/11
	802.11n(40MHz)	MCS0	03/06/09
	802.11ax(20MHz)	MCS0	01/06/11
	802.11ax(40MHz)	MCS0	03/06/09

6dB Bandwidth	802.11b	1Mbps	01/06/11
	802.11g	6Mbps	01/06/11
	802.11n(20MHz)	MCS0	01/06/11
	802.11n(40MHz)	MCS0	03/06/09
	802.11ax(20MHz)	MCS0	01/06/11
	802.11ax(40MHz)	MCS0	03/06/09
Maximum Conducted Power	802.11b	1Mbps	01/06/11
	802.11g	6Mbps	01/06/11
	802.11n(20MHz)	MCS0	01/06/11
	802.11n(40MHz)	MCS0	03/06/09
	802.11ax(20MHz)	MCS0	01/06/11
	802.11ax(40MHz)	MCS0	03/06/09
Power Spectral Density	802.11b	1Mbps	01/06/11
	802.11g	6Mbps	01/06/11
	802.11n(20MHz)	MCS0	01/06/11
	802.11n(40MHz)	MCS0	03/06/09
	802.11ax(20MHz)	MCS0	01/06/11
	802.11ax(40MHz)	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	24.8°C, 48% RH	AC 120V/60Hz	Freedom Zhuo
Radiated Emission and Band Edge Measurement	23.6C, 56% RH	AC 120V/60Hz	Freedom Zhuo
Spurious Emission at Antenna Port	23.6°C, 53% RH	DC 12V	Albert Fan
6dB Bandwidth	23.6°C, 53% RH	DC 12V	Albert Fan
Maximum Conducted Power	23.6°C, 53% RH	DC 12V	Albert Fan
Power Spectral Density	23.6°C, 53% RH	DC 12V	Albert Fan

Note: Adapter supply voltage AC 120V/60Hz.
The applicant declare the operating environment of EUT as below:
Normal conditions: 12V DC, -20~60°C

2.6 Duty Cycle of Test Signal

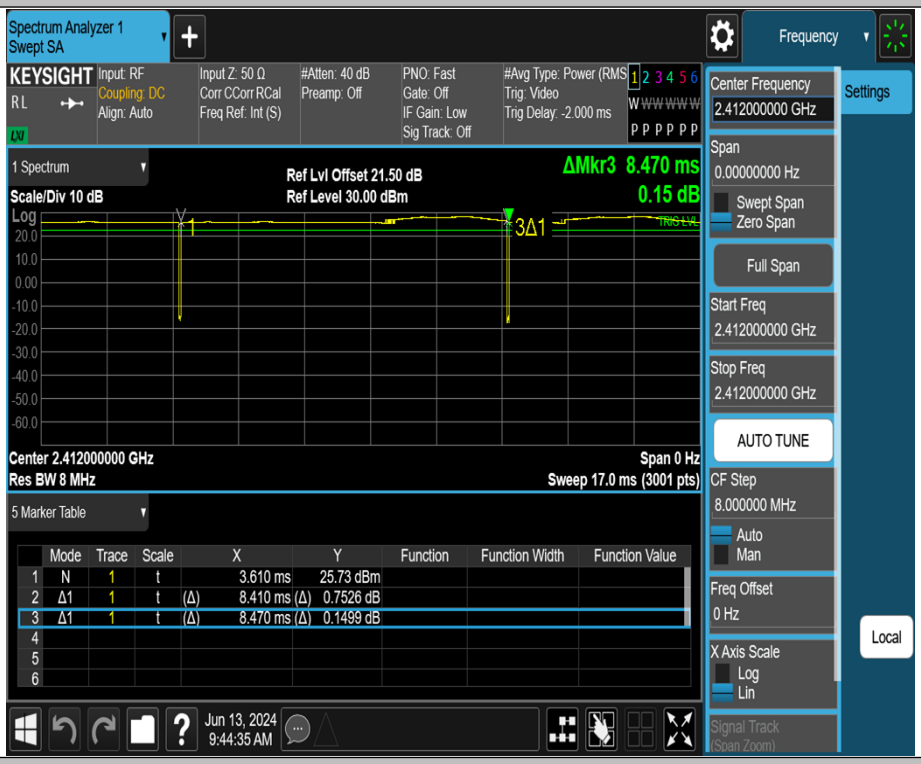
If duty cycle is ≥ 98 %, duty factor is not required.

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

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

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	8.41	8.47	99.29
	Ant2	2412	8.42	8.47	99.41
11G	Ant1	2412	1.39	1.45	95.86
	Ant2	2412	1.39	1.45	95.86
11N20 MIMO	Ant1	2412	1.31	1.37	95.62
	Ant2	2412	1.30	1.36	95.59
11N40 MIMO	Ant1	2412	0.64	0.70	91.43
	Ant2	2412	0.64	0.70	91.43
11AX20 MIMO	Ant1	2412	0.56	0.62	90.32
	Ant2	2412	0.56	0.61	91.80
11AX40 MIMO	Ant1	2412	0.32	0.37	86.49
	Ant2	2412	0.32	0.38	84.21

11B_Ant1_2412



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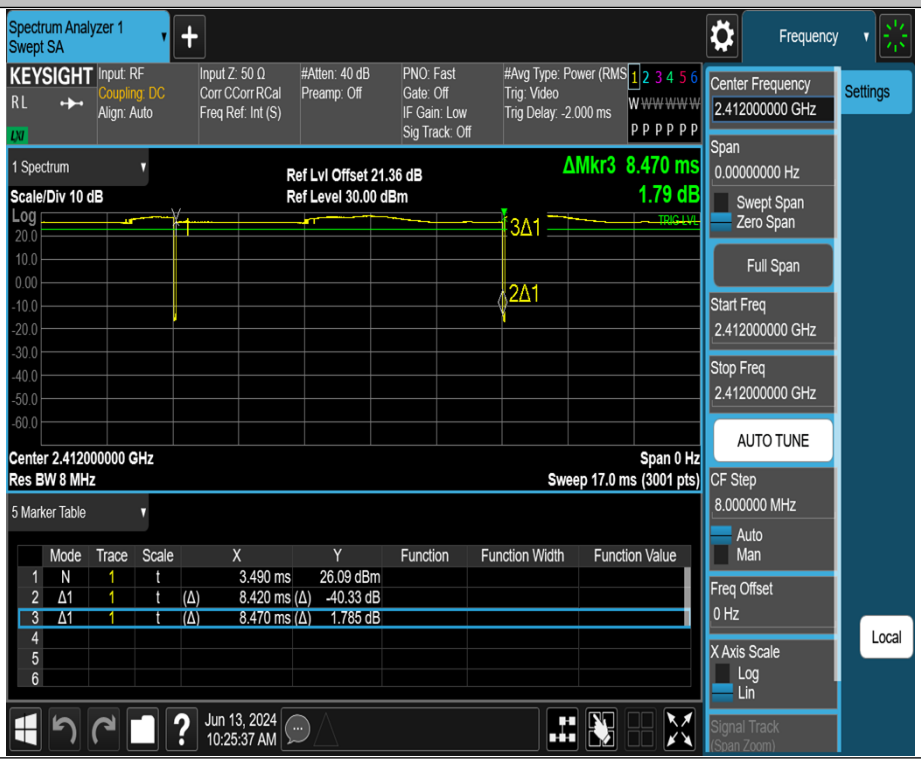

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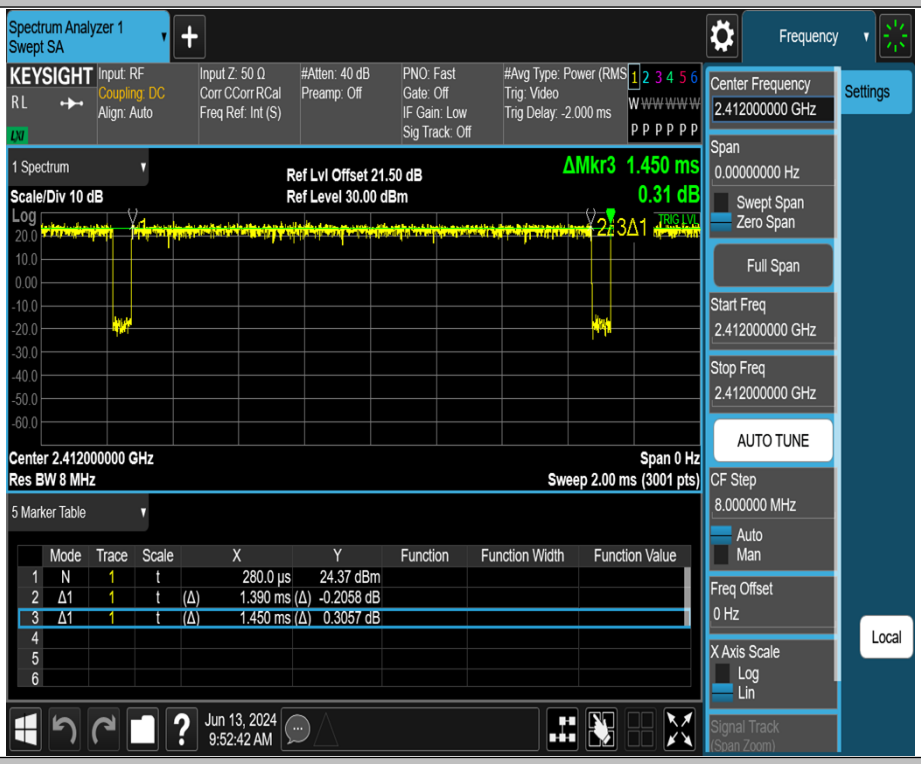

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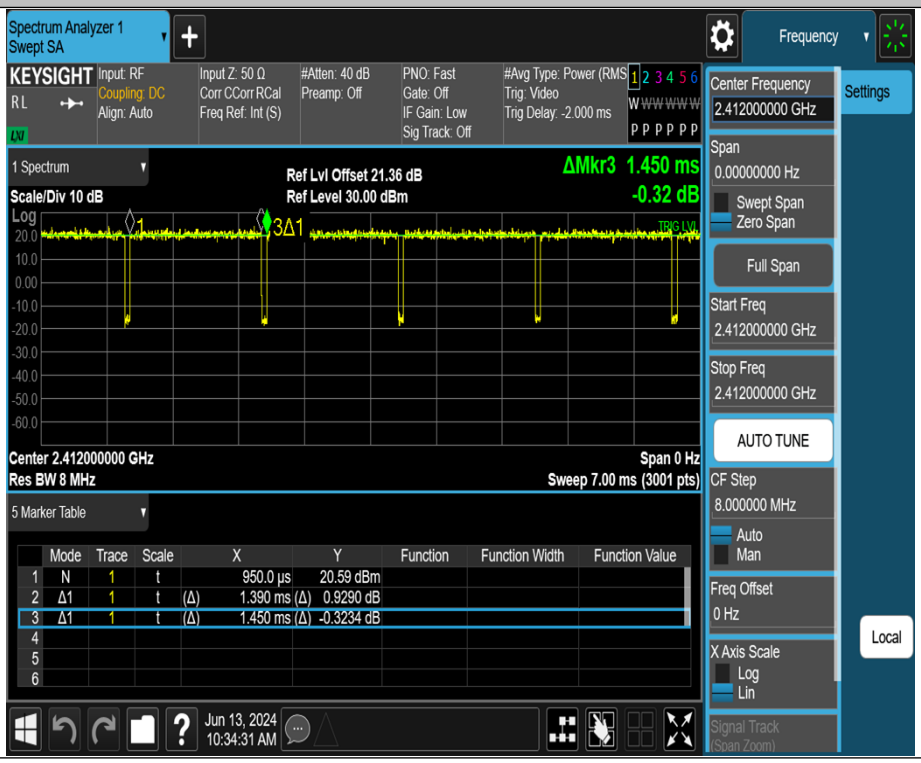

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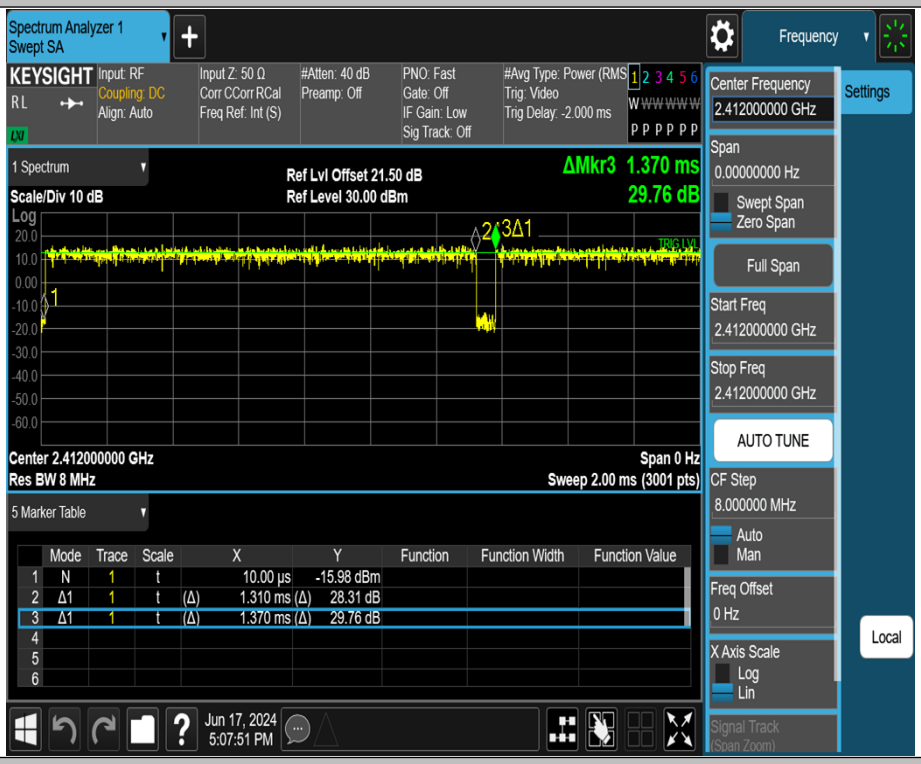

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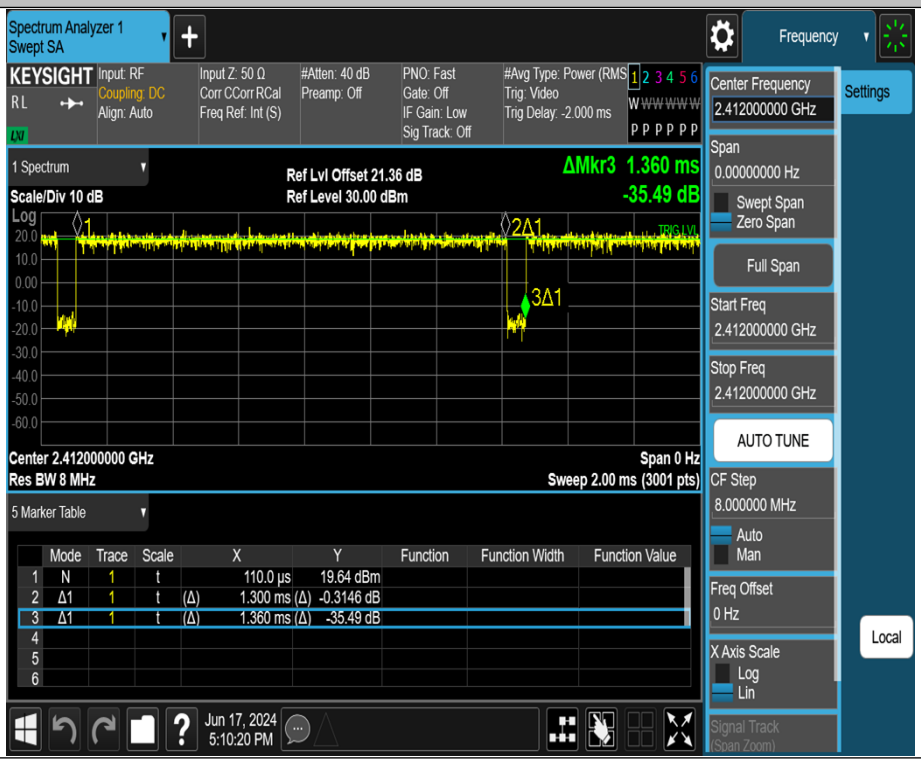

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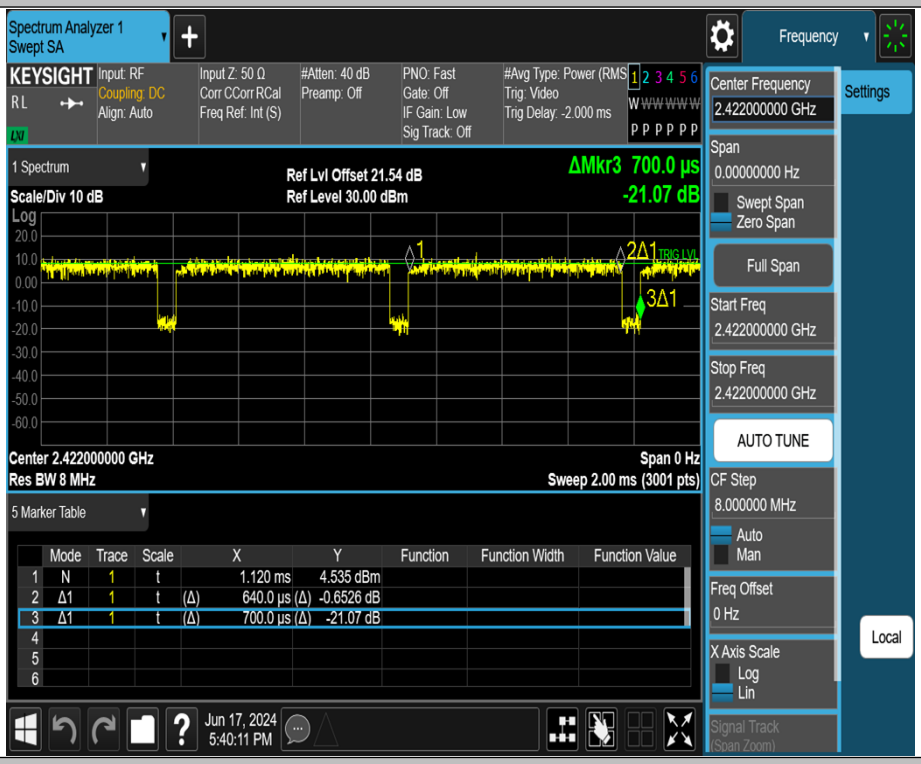

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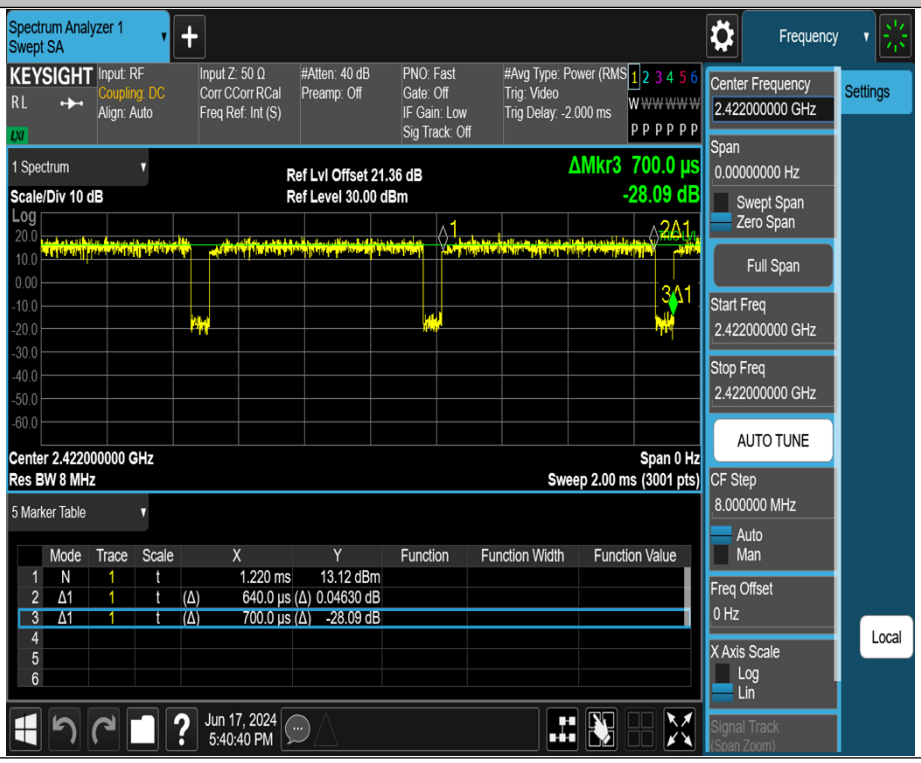

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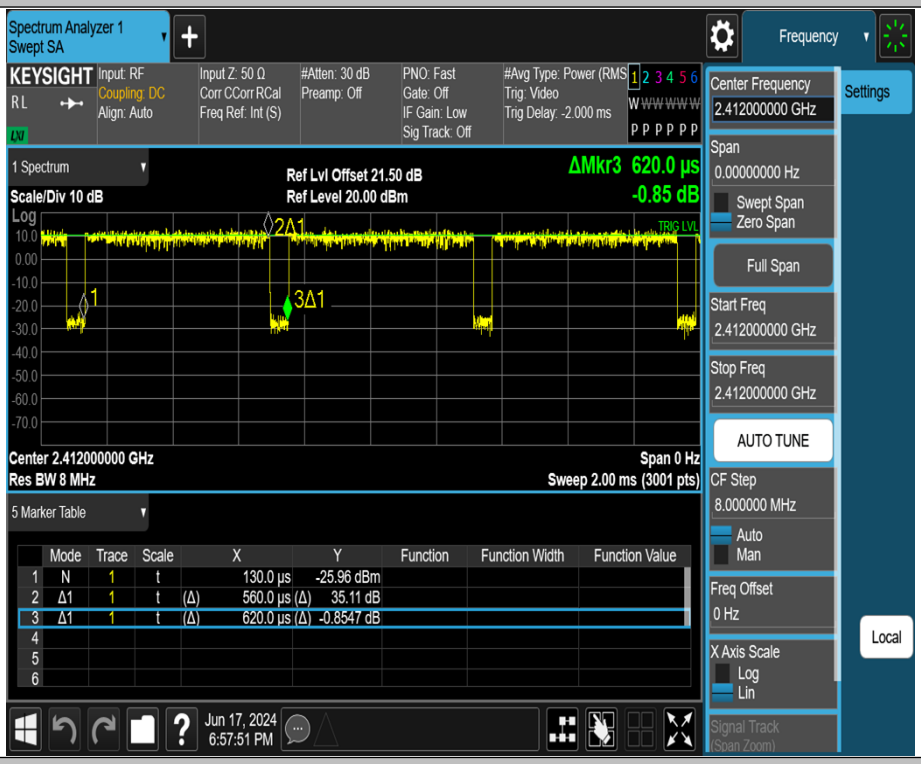

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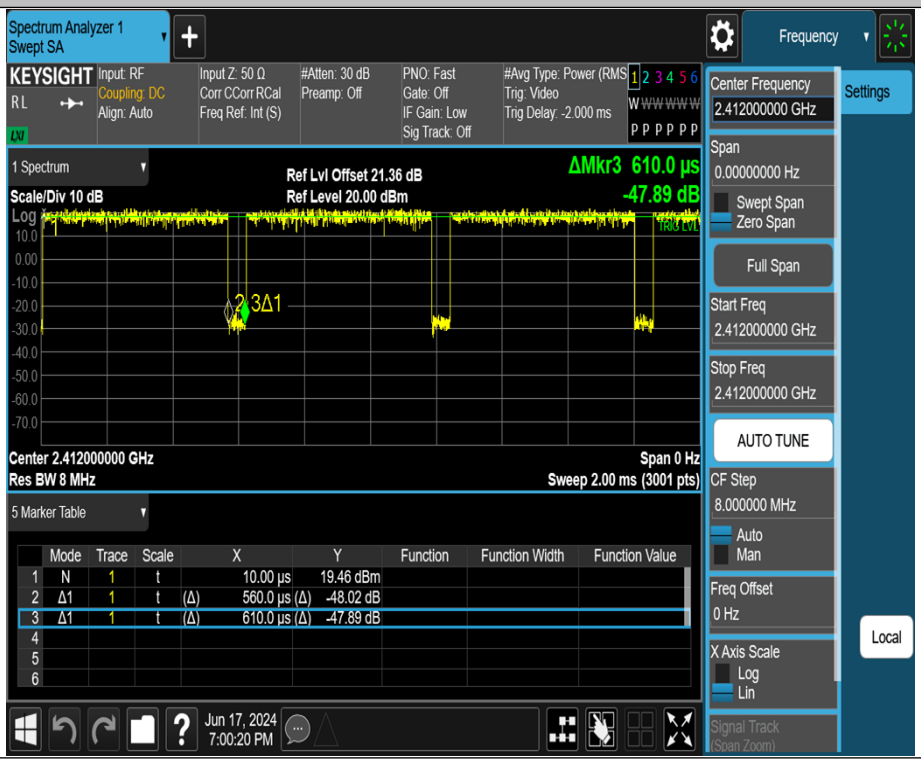

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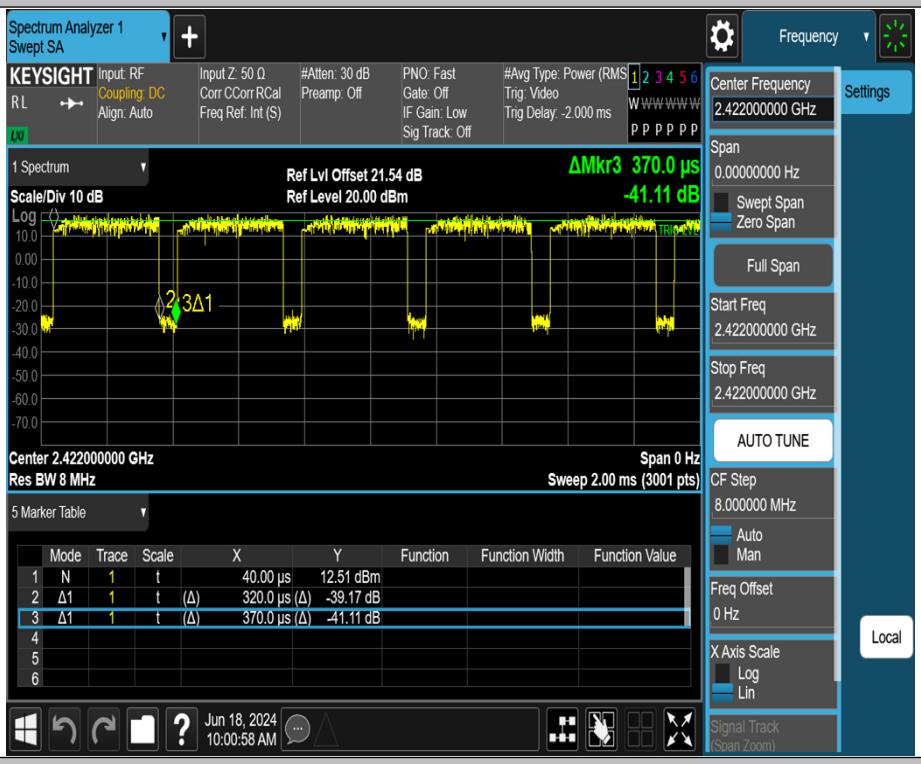

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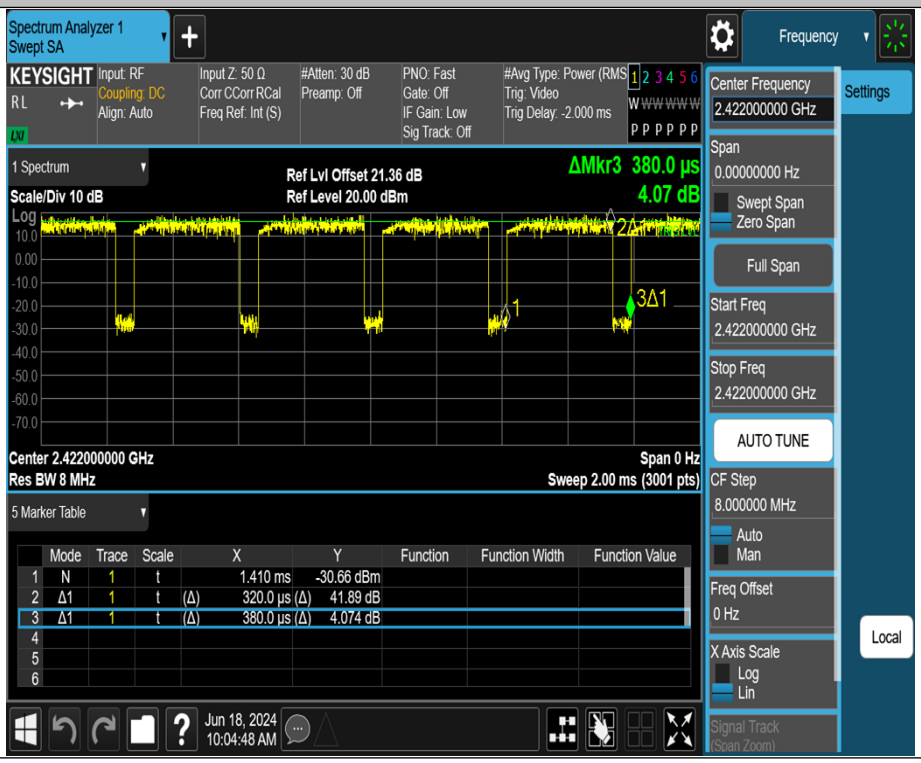


2.7 Measurement Uncertainty

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	±102kHz
Power Spectral Density	±0.743dB
Conducted Spurious Emission	±1.328dB
RF power conducted	±0.377dB
Conducted emission(9kHz~30MHz) AC main	±2.68dB
Radiated emission(9kHz~30MHz)	±2.74dB
Radiated emission (30MHz~1GHz)	±4.22dB
Radiated emission (1GHz~18GHz)	±5.06dB
Radiated emission (18GHz~40GHz)	±4.98dB

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

No.	Equipment	Model	Manufacturer	Series No
1	Adapter	SW-0799	Keli Electronics	/
2	Power conversion board	/	/	/

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

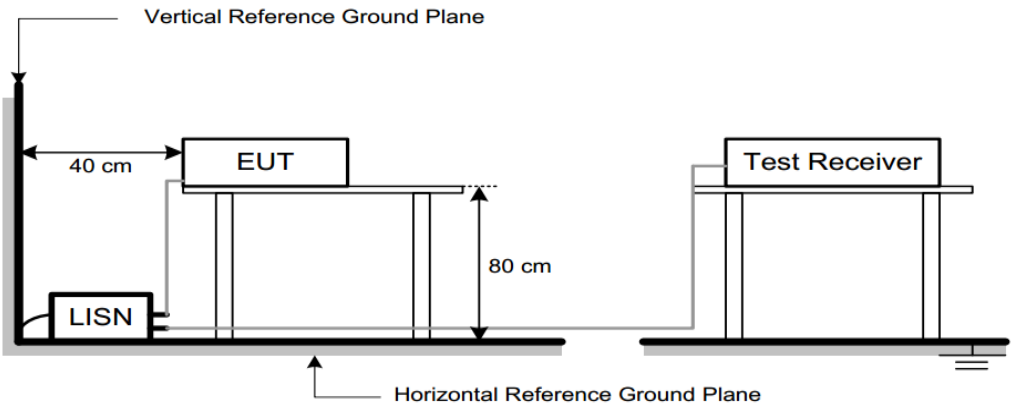
Test Method	
●Conducted Measurement	○Radiated Measurement
Test Channels	
○Lowest, Middle and Highest Channel	○Lowest and Highest Channel
Environmental conditions	
●Normal	○Normal and Extreme
Note:●:Test ○:No Test	

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

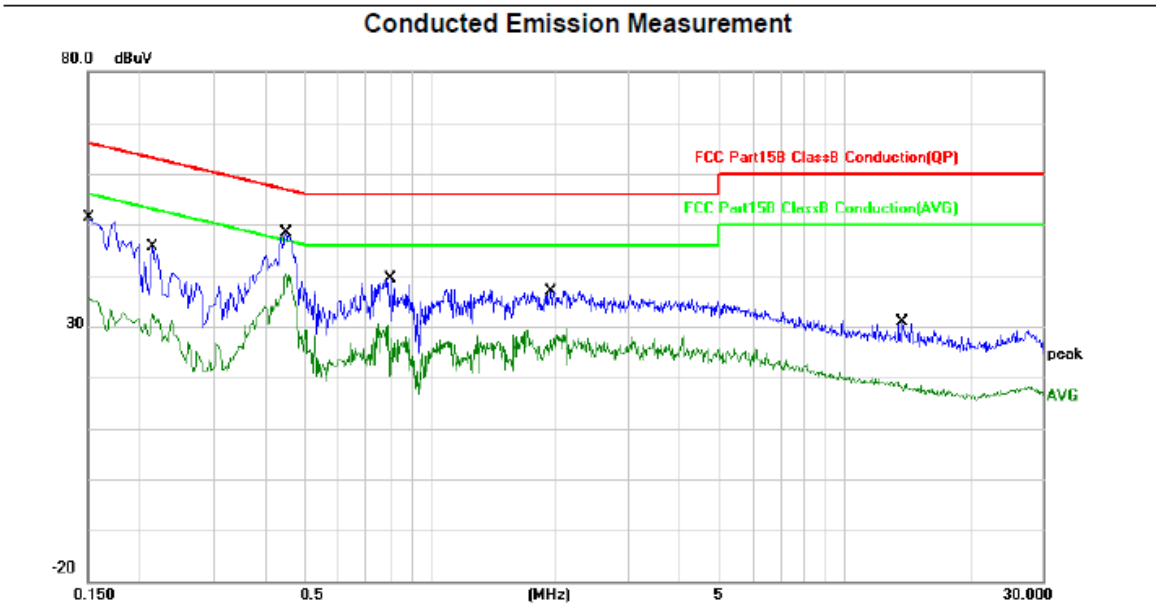
Note:

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:

150kHz~30MHz	Worst Case Operating Mode: 11AX40MIMO Channel 03

Line

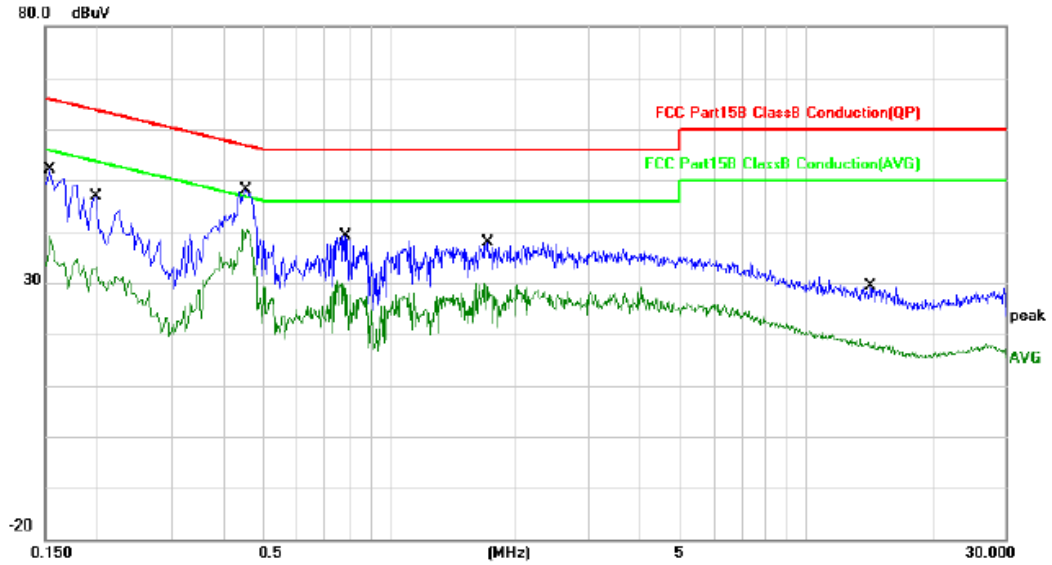


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	28.36	20.08	48.44	66.00	-17.56	QP	
2		0.1500	12.17	20.08	32.25	56.00	-23.75	AVG	
3		0.2140	20.40	20.03	40.43	63.05	-22.62	QP	
4		0.2140	9.15	20.03	29.18	53.05	-23.87	AVG	
5		0.4500	25.60	20.29	45.89	56.88	-10.99	QP	
6	*	0.4500	18.56	20.29	38.85	46.88	-8.03	AVG	
7		0.8060	14.67	20.32	34.99	56.00	-21.01	QP	
8		0.8060	4.61	20.32	24.93	46.00	-21.07	AVG	
9		1.9660	10.47	20.23	30.70	56.00	-25.30	QP	
10		1.9660	3.88	20.23	24.11	46.00	-21.89	AVG	
11		13.8140	1.96	20.20	22.16	60.00	-37.84	QP	
12		13.8140	-3.05	20.20	17.15	50.00	-32.85	AVG	

150kHz~30MHz	Worst Case Operating Mode: 11AX40MIMO Channel 03

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	29.25	20.33	49.58	65.78	-16.20	QP	
2		0.1540	14.15	20.33	34.48	55.78	-21.30	AVG	
3		0.1980	22.43	20.36	42.79	63.69	-20.90	QP	
4		0.1980	10.14	20.36	30.50	53.69	-23.19	AVG	
5		0.4540	27.04	20.12	47.16	56.80	-9.64	QP	
6	*	0.4540	19.12	20.12	39.24	46.80	-7.56	AVG	
7		0.7900	16.33	20.06	36.39	56.00	-19.61	QP	
8		0.7900	6.76	20.06	26.82	46.00	-19.18	AVG	
9		1.7260	13.00	20.35	33.35	56.00	-22.65	QP	
10		1.7260	7.04	20.35	27.39	46.00	-18.61	AVG	
11		14.2340	1.17	20.31	21.48	60.00	-38.52	QP	
12		14.2340	-3.71	20.31	16.60	50.00	-33.40	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	
		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.

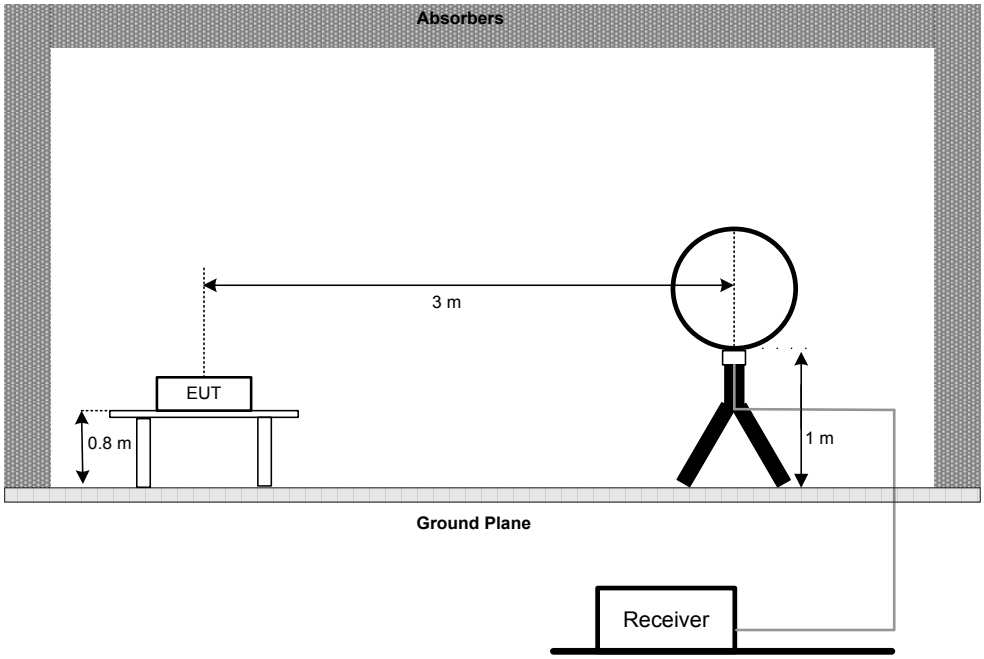
g) All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn‘t perform. (below 1 GHz)

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)

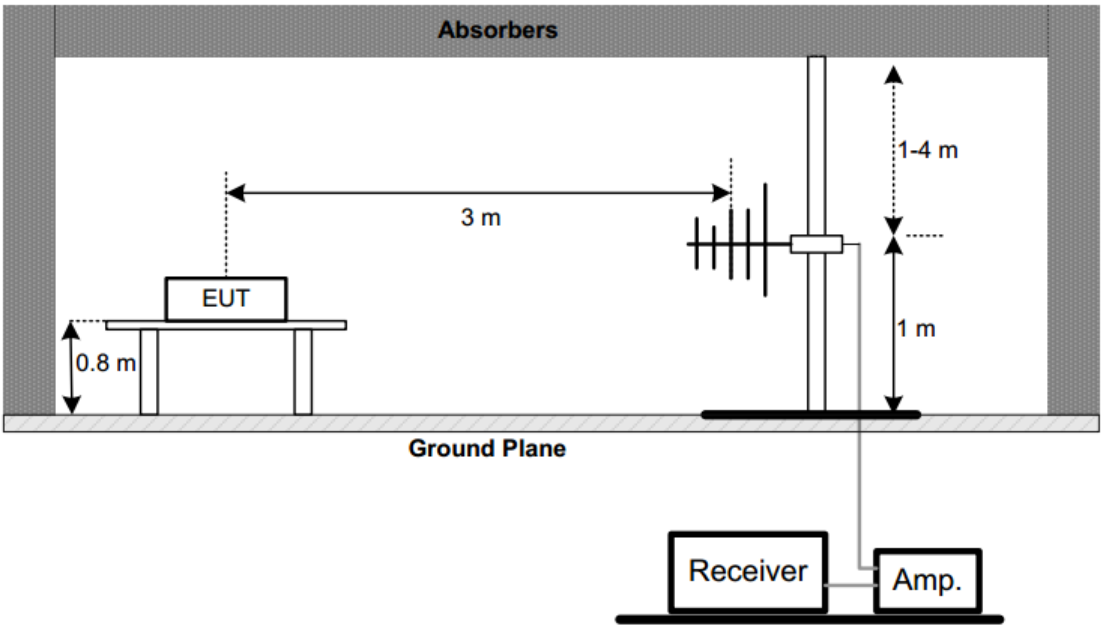
i) For the actual test configuration, please refer to the related Item -EUT Test Photos.

3.2.3 Test Setup

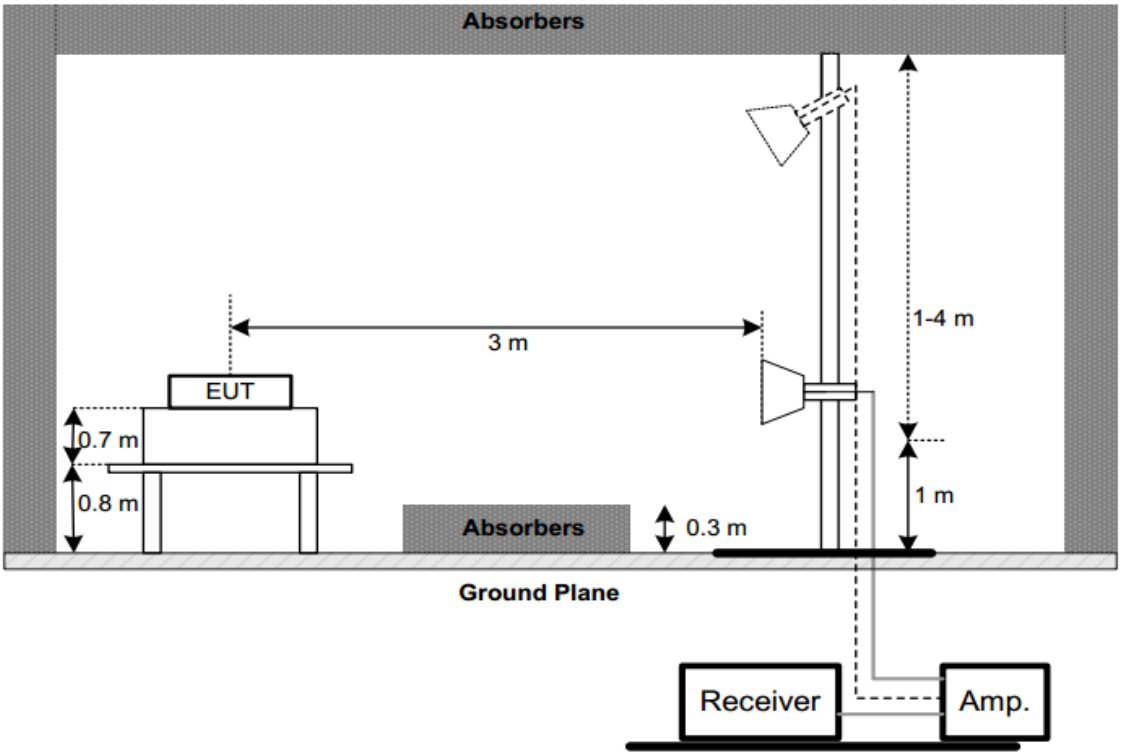
(A) Radiated Emission Test Set-Up Frequency Below 30 MHz



(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

1) Radiated emission: 9kHz-30MHz

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

2) Radiated emission: 30MHz-1G

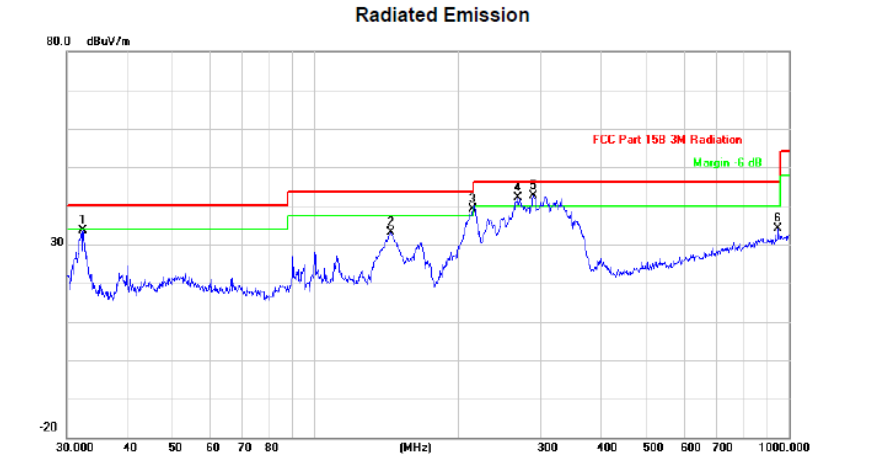
Note:

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

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

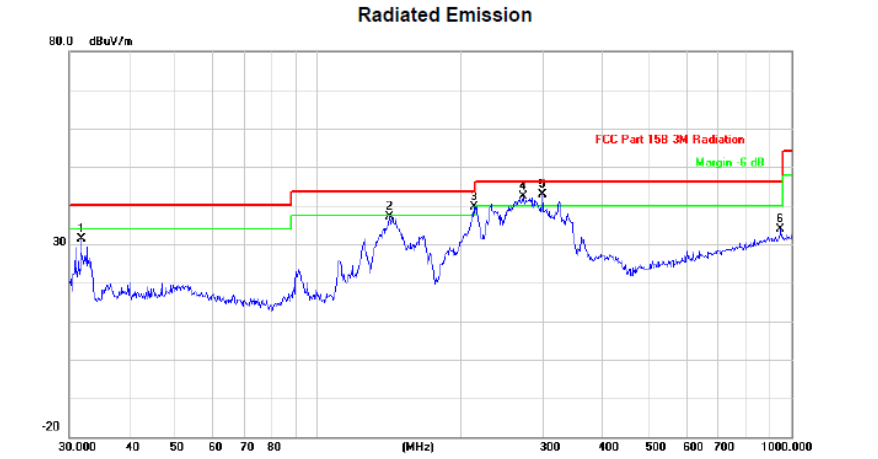
Below 1G (30MHz~1GHz)	Worst Case Operating Mode: 11AX40MIMO Channel 03

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		32.4060	44.17	-10.63	33.54	40.00	-6.46	peak			
2		144.3346	41.13	-8.10	33.03	43.50	-10.47	peak			
3	!	215.2677	51.24	-12.11	39.13	43.50	-4.37	peak			
4	!	267.5453	52.09	-10.02	42.07	46.00	-3.93	peak			
5	*	289.0020	51.88	-9.23	42.65	46.00	-3.35	peak			
6		948.7610	30.75	3.50	34.25	46.00	-11.75	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		31.7312	42.12	-10.68	31.44	40.00	-8.56	peak			
2		141.8262	45.40	-8.29	37.11	43.50	-6.39	peak			
3	!	213.7633	51.82	-12.15	39.67	43.50	-3.83	peak			
4	!	271.3245	52.24	-9.89	42.35	46.00	-3.65	peak			
5	*	298.2681	51.60	-8.83	42.77	46.00	-3.23	peak			
6		948.7610	30.26	3.50	33.76	46.00	-12.24	peak			

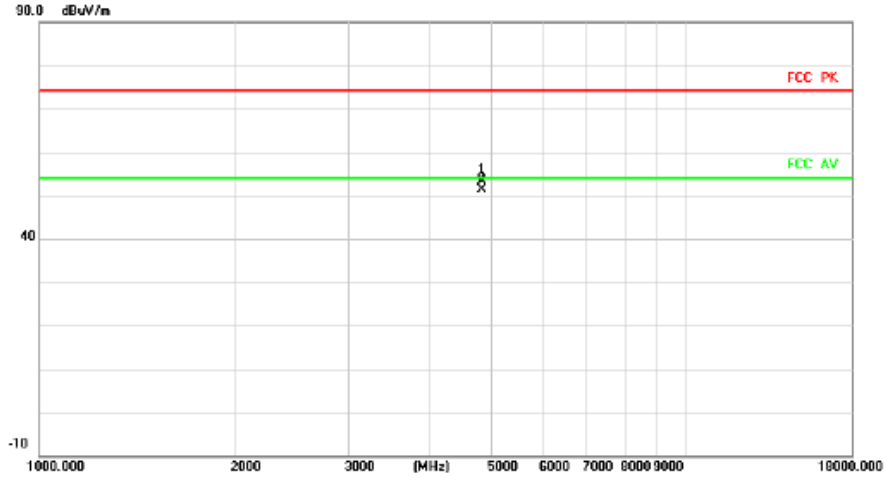
3) Radiated emission: Above 1G

Note:

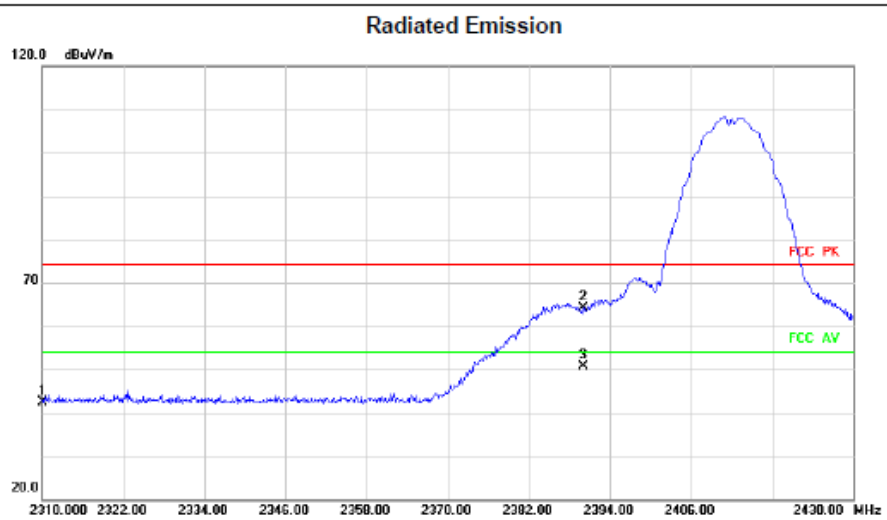
1. Measurement = Reading + Correct Factor.
2. Over = Measurement – Limit

Above 1G (1GHz~18GHz)	Test mode:11B Ant1	Test Channel:1

VERTICAL

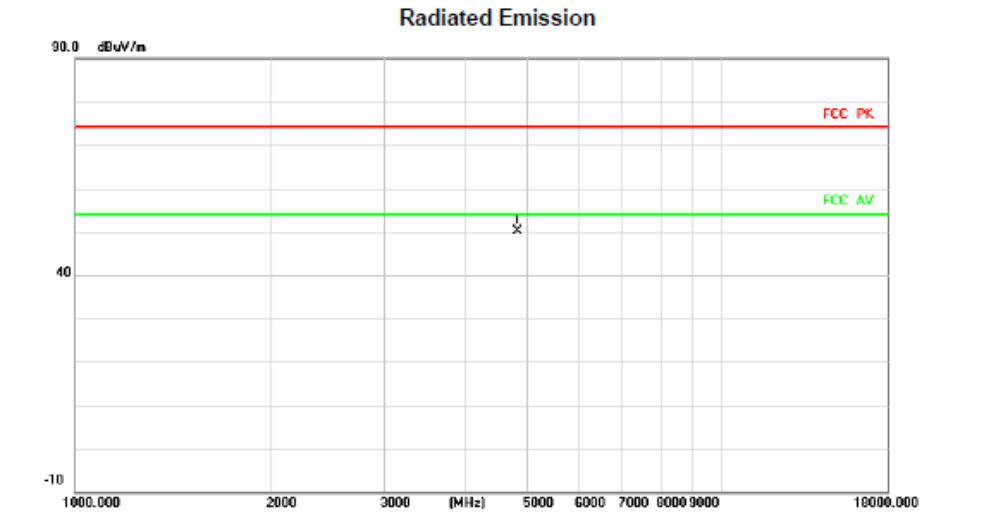


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		4824.000	57.63	-4.18	53.45	74.00	-20.55	peak			
2	*	4824.000	55.45	-4.18	51.27	54.00	-2.73	AVG			

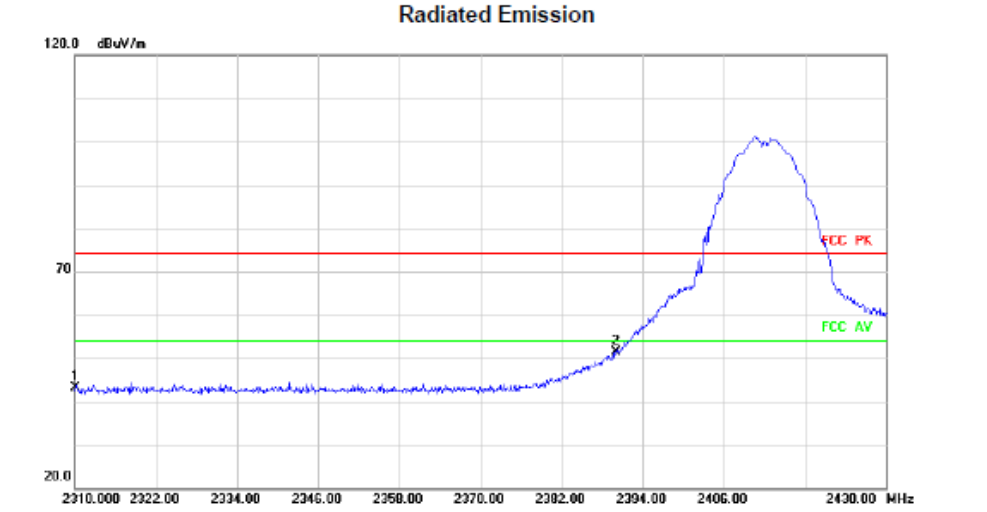


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2310.000	34.17	8.22	42.39	74.00	-31.61	peak			
2		2390.000	55.65	8.46	64.11	74.00	-9.89	peak			
3	*	2390.000	42.22	8.46	50.68	54.00	-3.32	AVG			

HORIZONTA



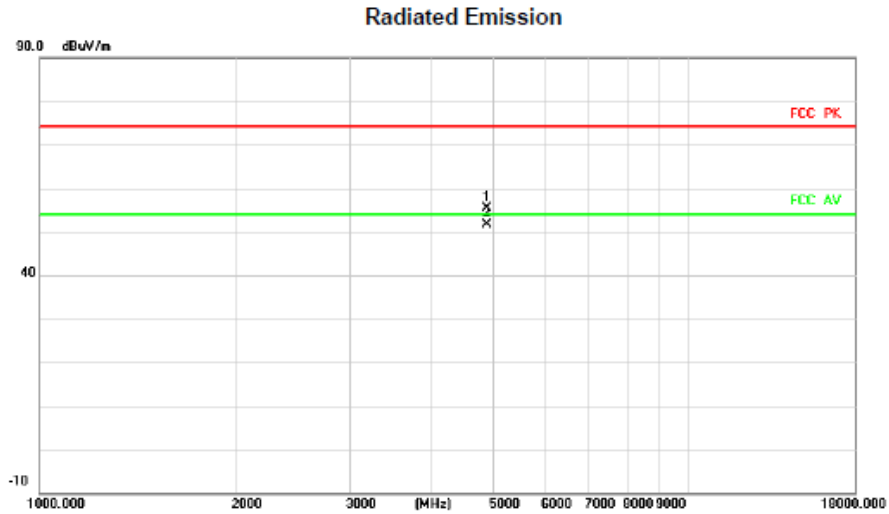
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4824.000	54.42	-4.18	50.24	74.00	-23.76	peak			



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	34.99	8.22	43.21	74.00	-30.79	peak			
2	*	2390.000	42.99	8.46	51.45	74.00	-22.55	peak			

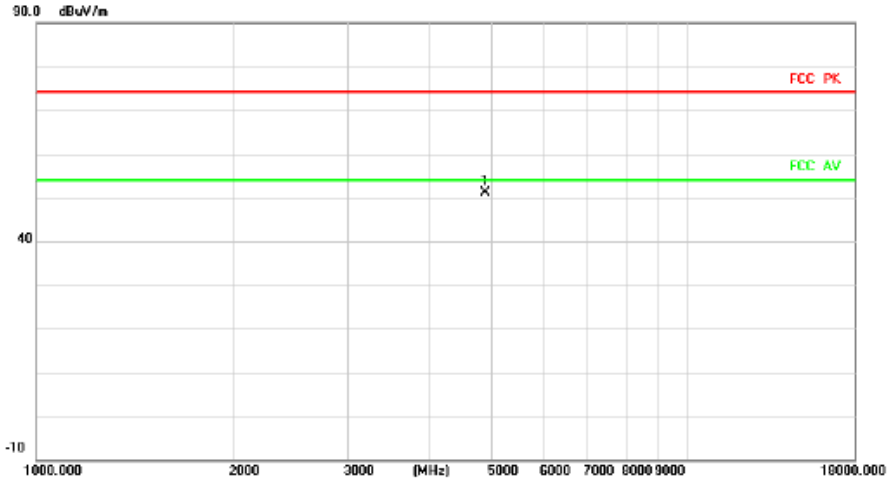
Above 1G (1GHz~18GHz)	Test mode:11B Ant1	Test Channel:6

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		4874.000	59.93	-4.56	55.37	74.00	-18.63	peak			
2	*	4874.000	56.15	-4.56	51.59	54.00	-2.41	AVG			

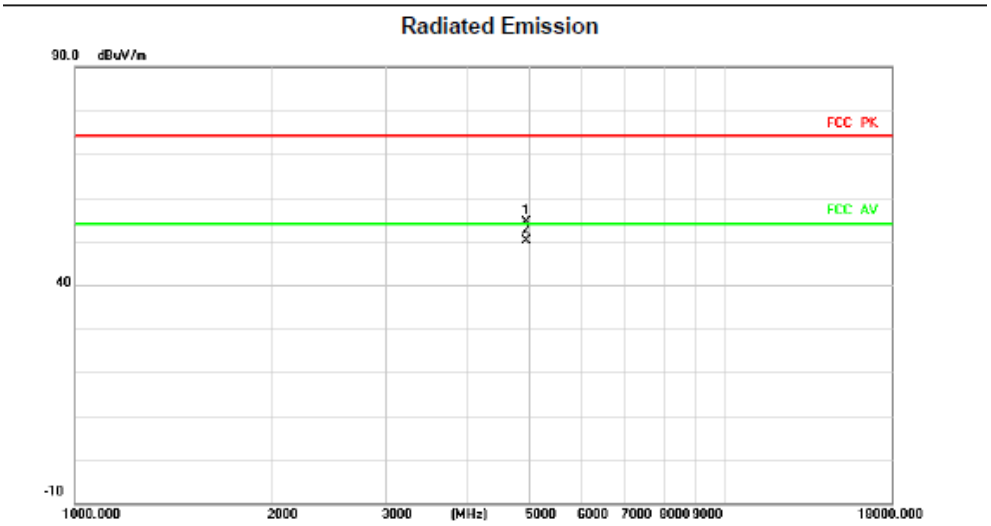
HORIZONTA



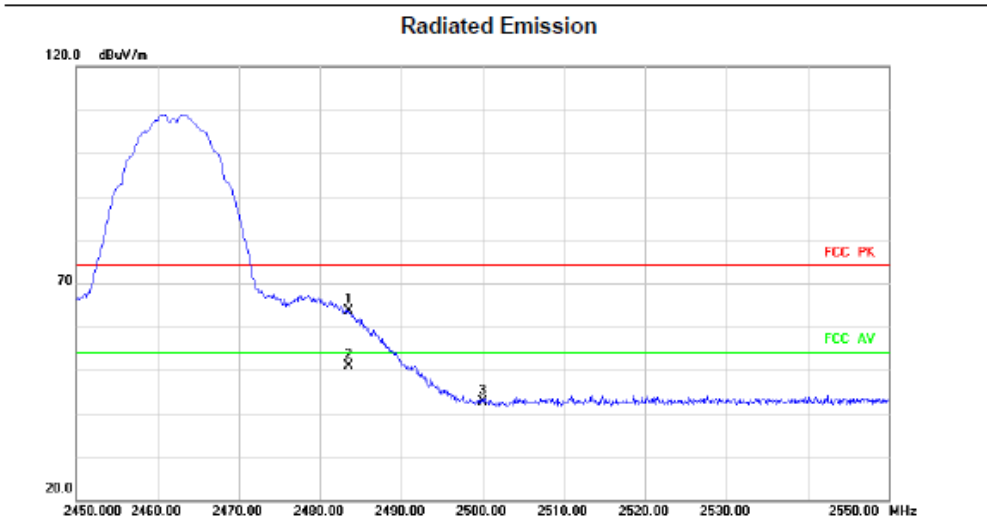
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4874.000	55.60	-4.56	51.04	74.00	-22.96	peak			

Above 1G (1GHz~18GHz)	Test mode: 11B Ant1	Test Channel:11

VERTICAL

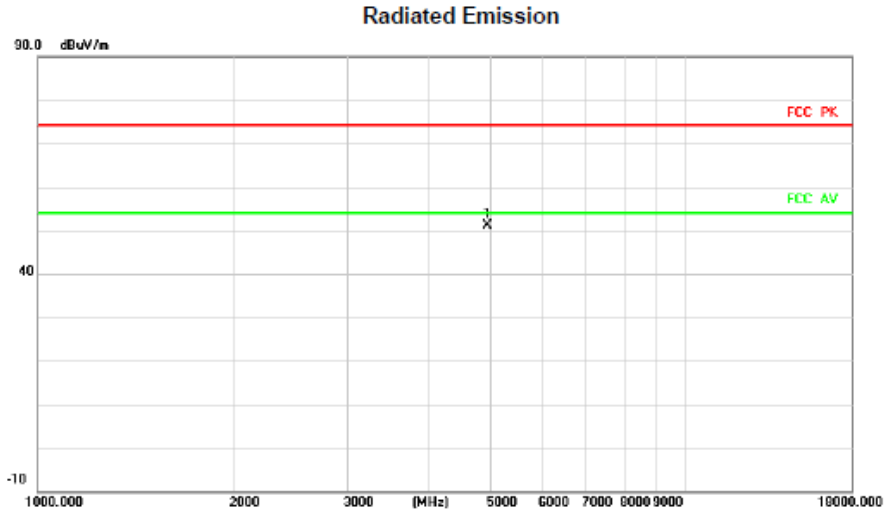


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		4924.000	59.28	-4.90	54.38	74.00	-19.62	peak			
2	*	4924.000	55.11	-4.90	50.21	54.00	-3.79	AVG			

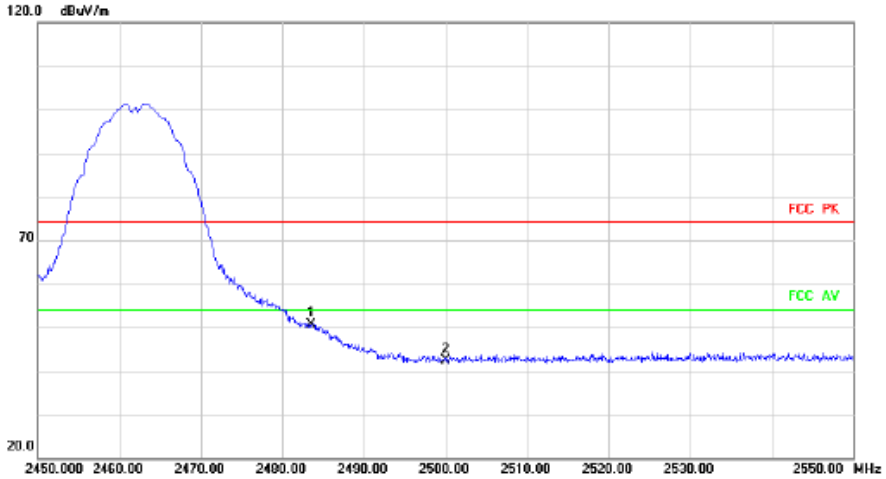


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	54.41	9.10	63.51	74.00	-10.49	peak			
2	*	2483.500	41.79	9.10	50.89	54.00	-3.11	AVG			
3		2500.000	33.34	9.26	42.60	74.00	-31.40	peak			

HORIZONTA



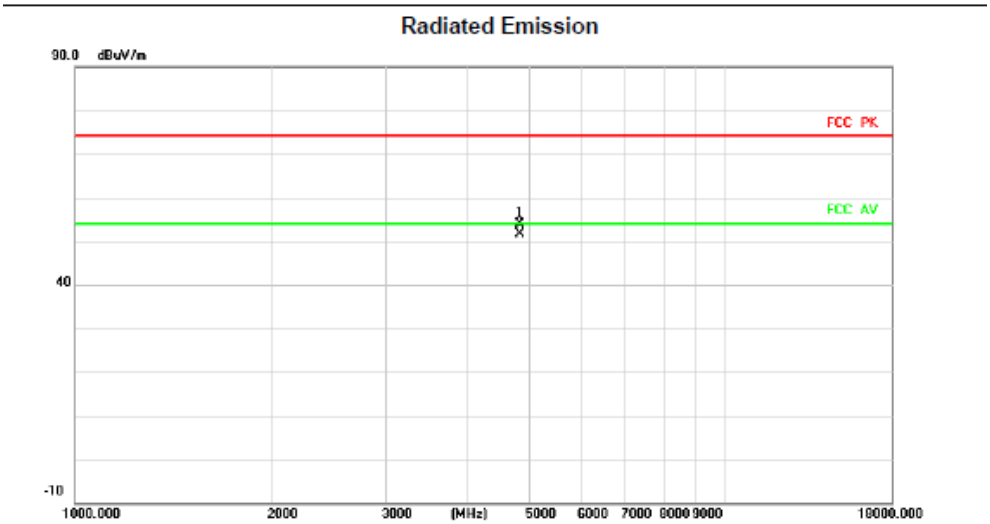
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4924.000	55.96	-4.90	51.06	74.00	-22.94	peak			



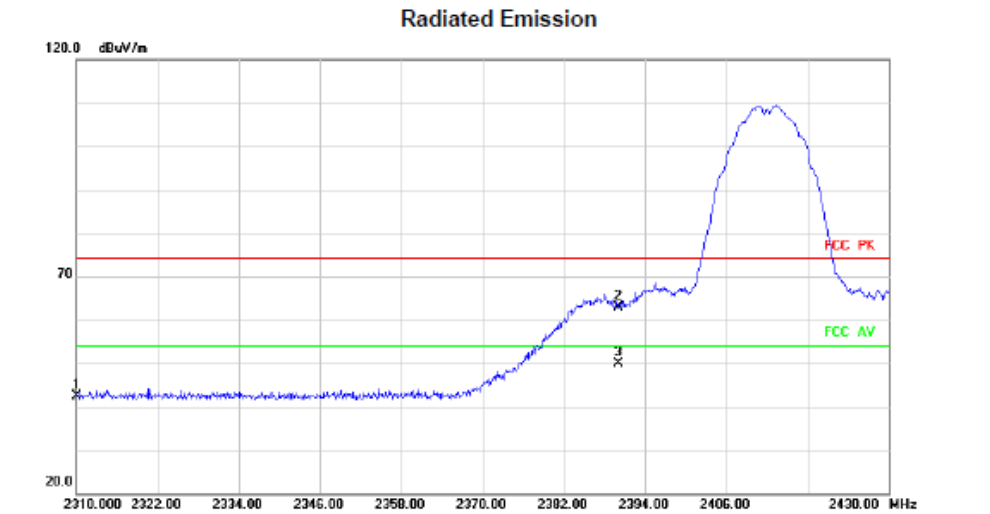
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2483.500	41.51	9.10	50.61	74.00	-23.39	peak			
2		2500.000	33.24	9.26	42.50	74.00	-31.50	peak			

Above 1G (1GHz~18GHz)	Test mode:11B Ant2	Test Channel:1

VERTICAL



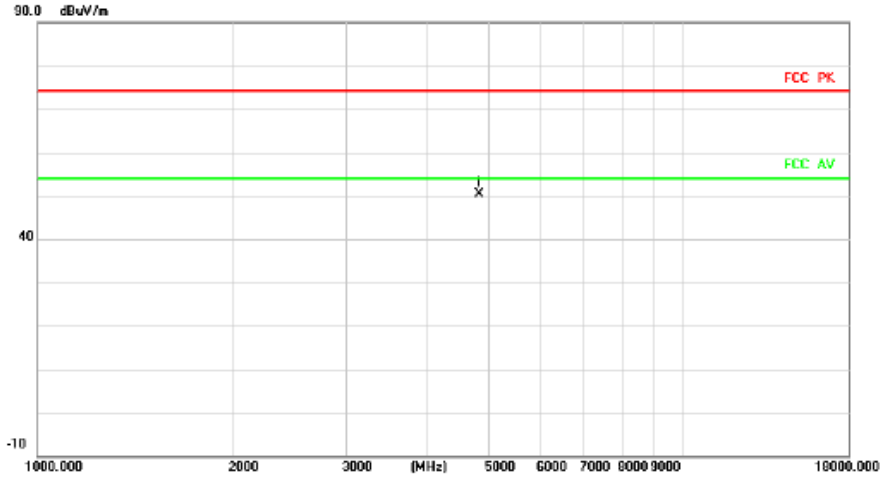
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		4824.000	57.95	-4.18	53.77	74.00	-20.23	peak			
2	*	4824.000	55.82	-4.18	51.64	54.00	-2.36	AVG			



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	34.06	8.22	42.28	74.00	-31.72	peak			
2		2390.000	54.45	8.46	62.91	74.00	-11.09	peak			
3	*	2390.000	41.49	8.46	49.95	54.00	-4.05	AVG			

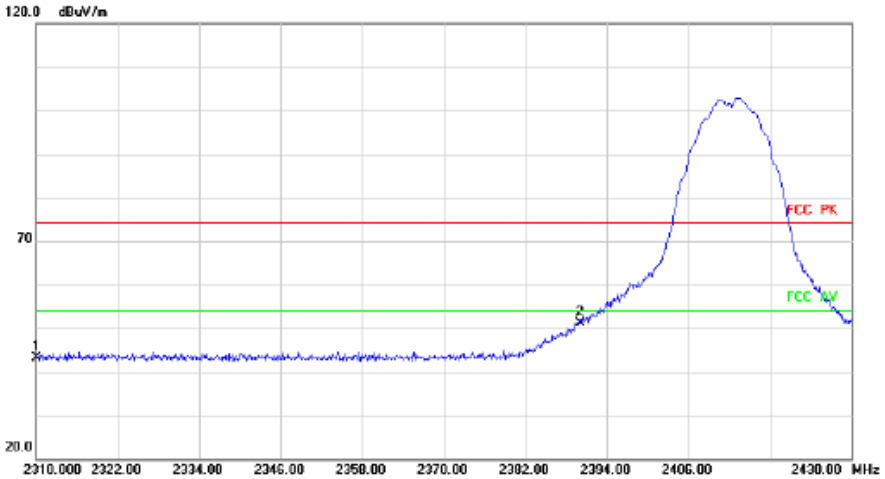
HORIZONTA

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	Comment
1	*	4824.000	54.64	-4.18	50.46	74.00	-23.54	peak			

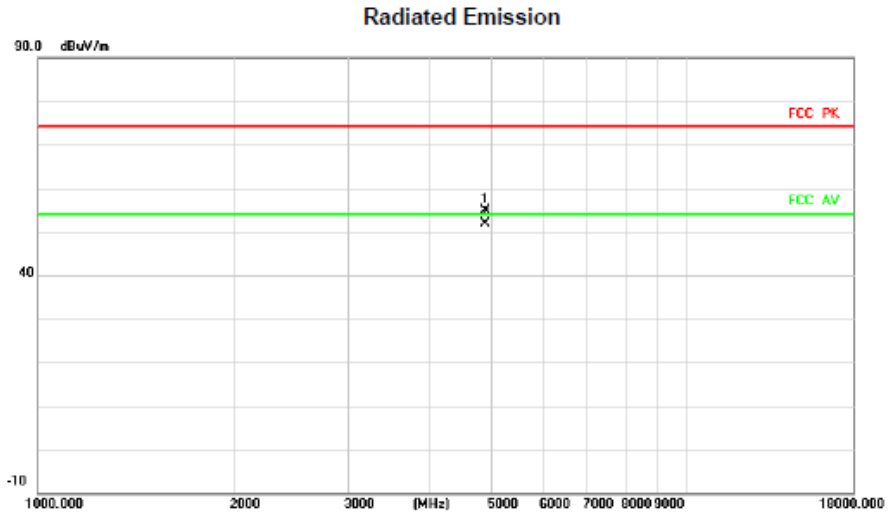
Radiated Emission



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	Comment
1		2310.000	34.93	8.22	43.15	74.00	-30.85	peak			
2	*	2390.000	42.76	8.46	51.22	74.00	-22.78	peak			

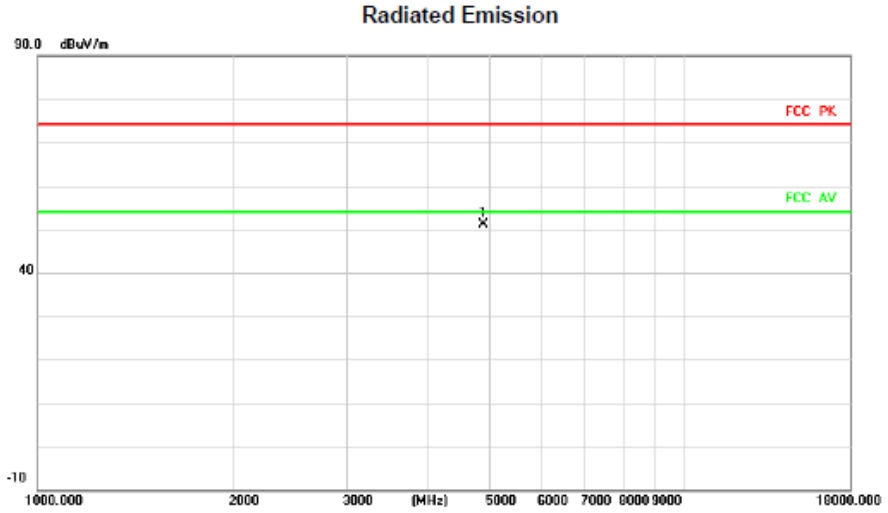
Above 1G (1GHz~18GHz)	Test mode:11B Ant2	Test Channel:6

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		4874.000	59.40	-4.56	54.84	74.00	-19.16	peak			
2	*	4874.000	56.45	-4.56	51.89	54.00	-2.11	AVG			

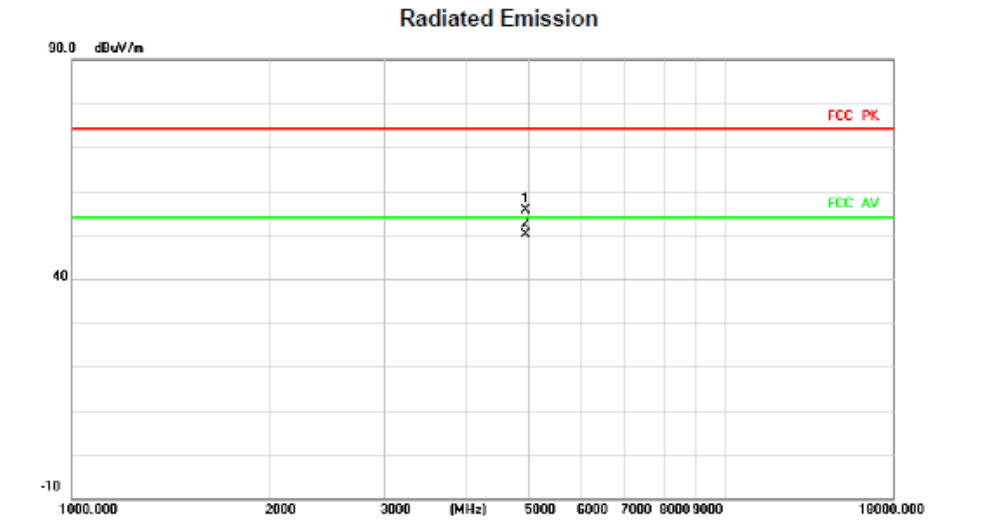
HORIZONTA



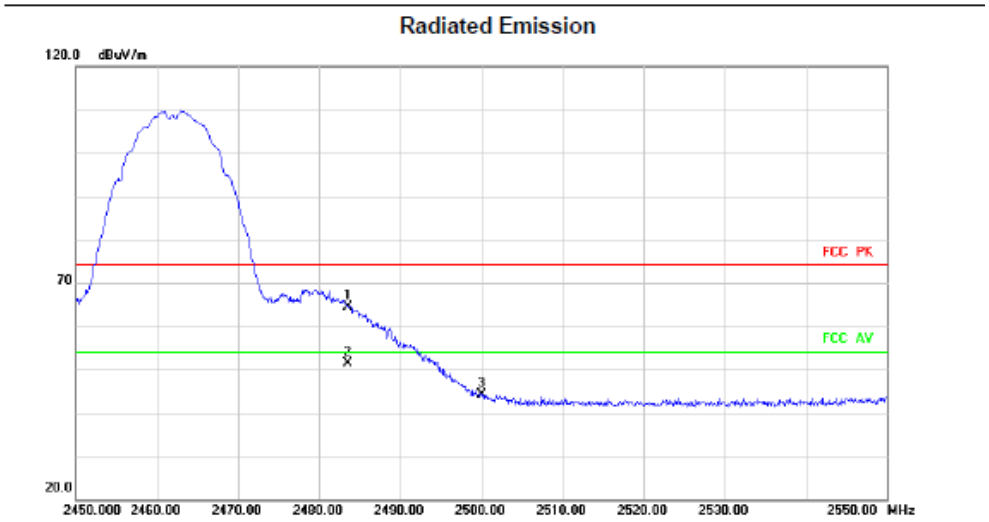
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4874.000	55.69	-4.56	51.13	74.00	-22.87	peak			

Above 1G (1GHz~18GHz)	Test mode: 11B Ant2	Test Channel:11

VERTICAL

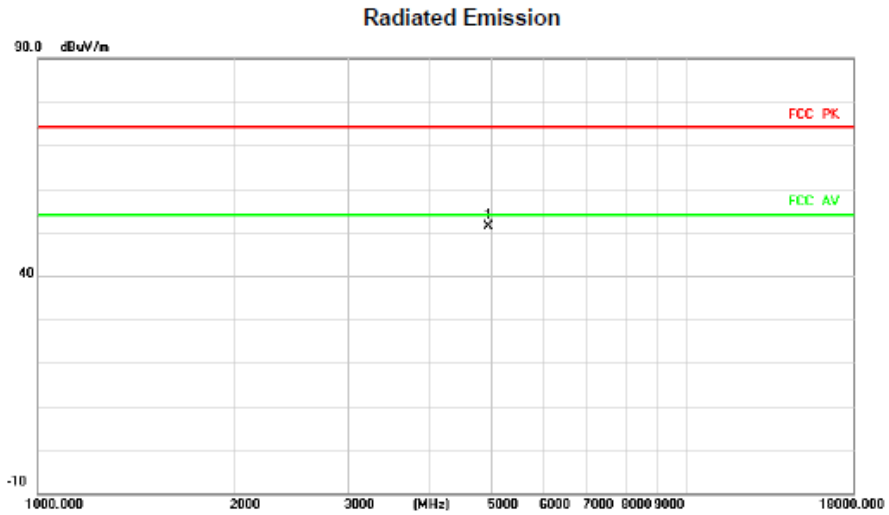


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		4924.000	60.52	-4.90	55.62	74.00	-18.38	peak			
2	*	4924.000	55.06	-4.90	50.16	54.00	-3.84	AVG			

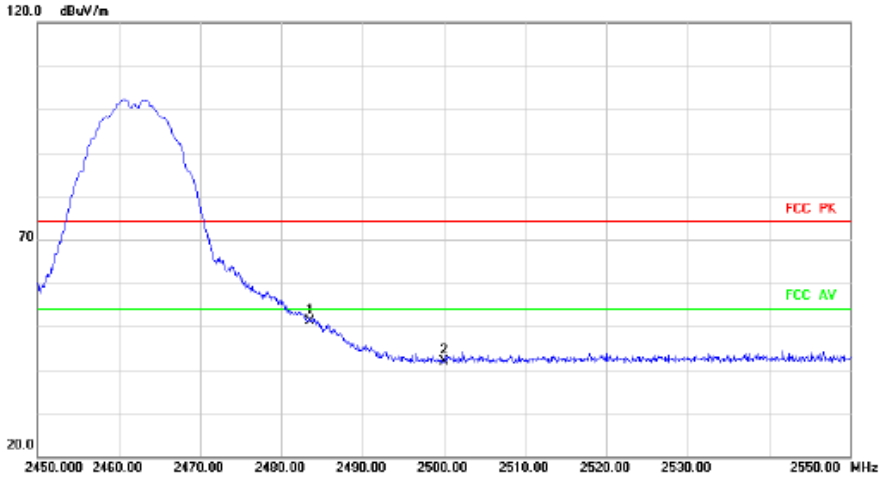


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	55.23	9.10	64.33	74.00	-9.67	peak			
2	*	2483.500	42.35	9.10	51.45	54.00	-2.55	AVG			
3		2500.000	34.95	9.26	44.21	74.00	-29.79	peak			

HORIZONTA



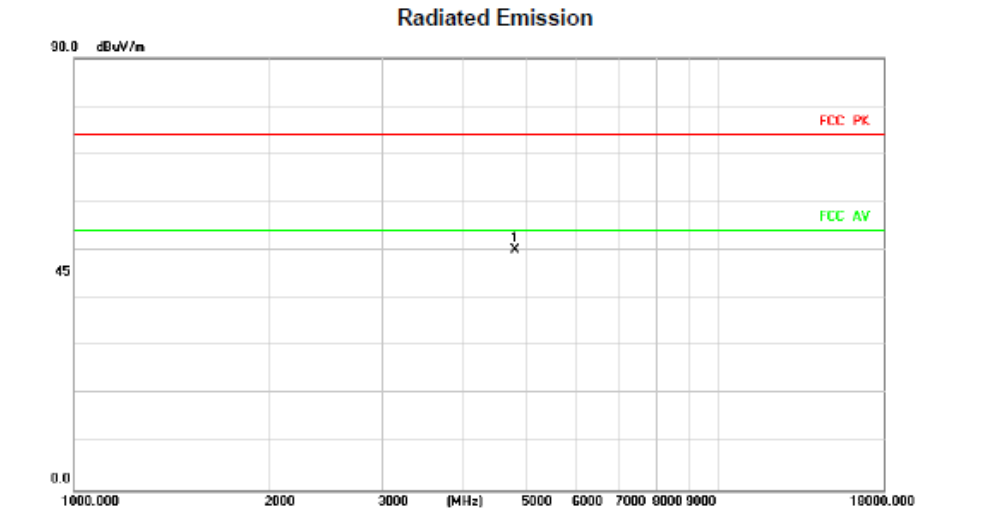
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4924.000	56.21	-4.90	51.31	74.00	-22.69	peak			



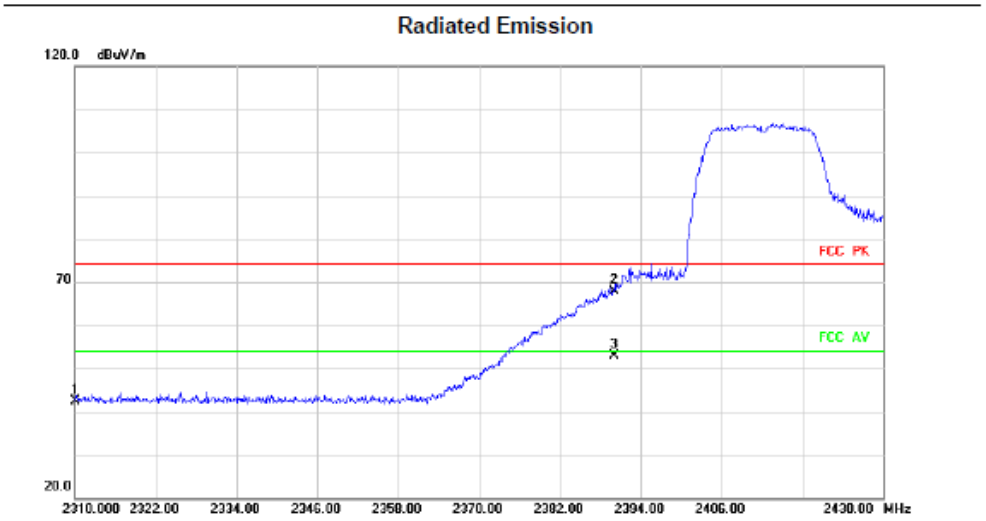
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2483.500	41.96	9.10	51.06	74.00	-22.94	peak			
2		2500.000	32.68	9.26	41.94	74.00	-32.06	peak			

Above 1G (1GHz~18GHz)	Test mode:11G Ant1	Test Channel:1

VERTICAL

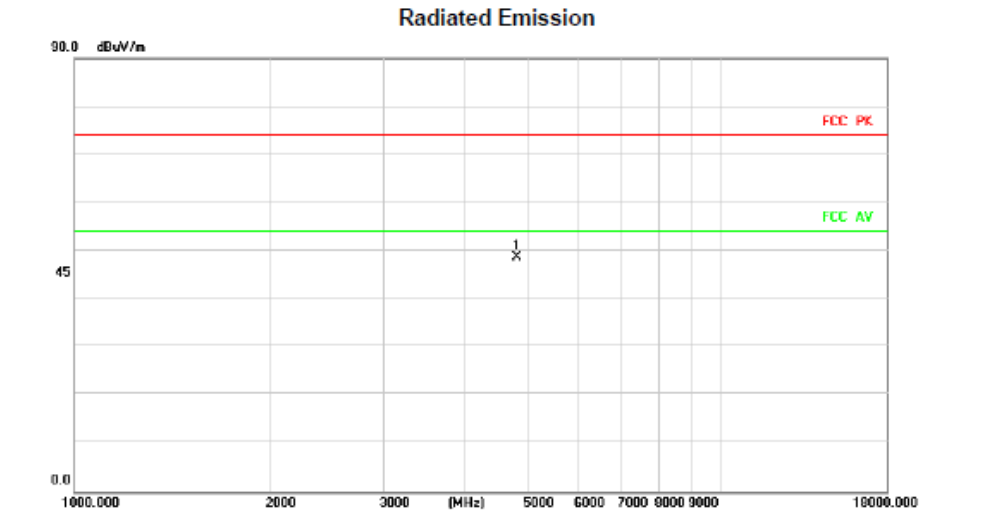


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4824.000	54.32	-4.18	50.14	74.00	-23.86	peak			

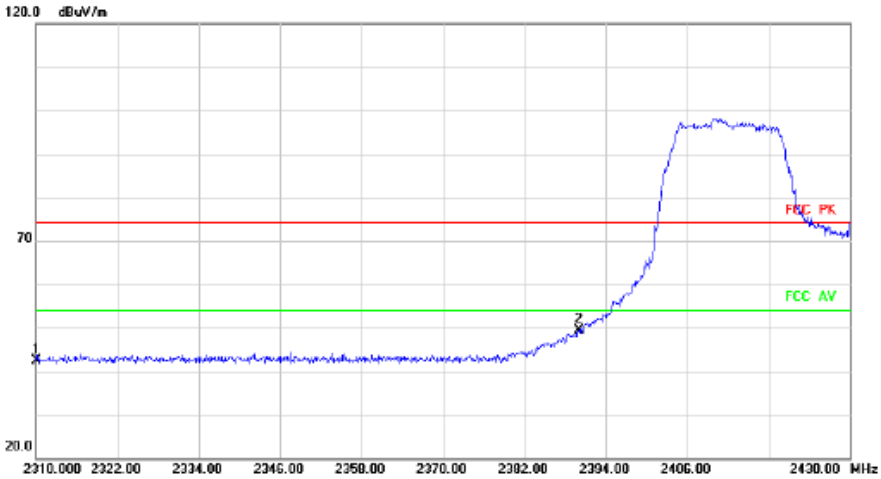


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2310.000	34.27	8.22	42.49	74.00	-31.51	peak			
2		2390.000	59.51	8.46	67.97	74.00	-6.03	peak			
3	*	2390.000	44.45	8.46	52.91	54.00	-1.09	AVG			

HORIZONTA



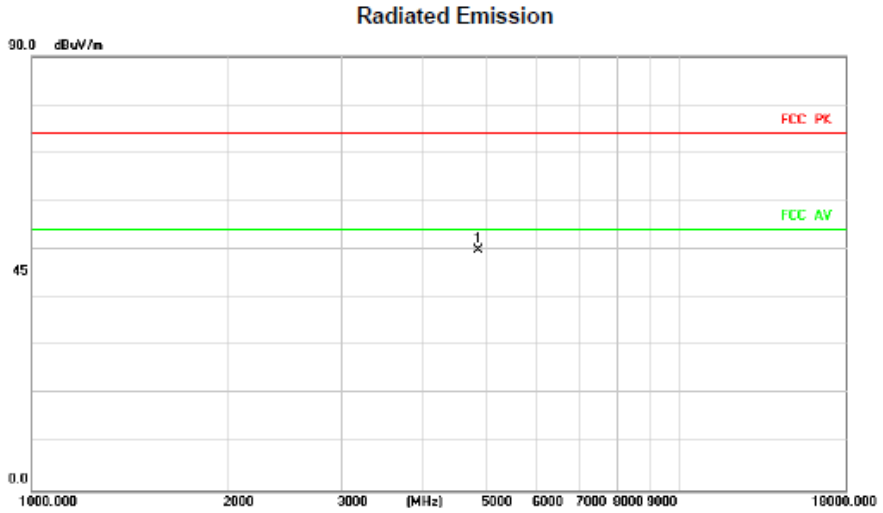
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4824.000	52.91	-4.18	48.73	74.00	-25.27	peak			



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	34.25	8.22	42.47	74.00	-31.53	peak			
2	*	2390.000	40.92	8.46	49.38	74.00	-24.62	peak			

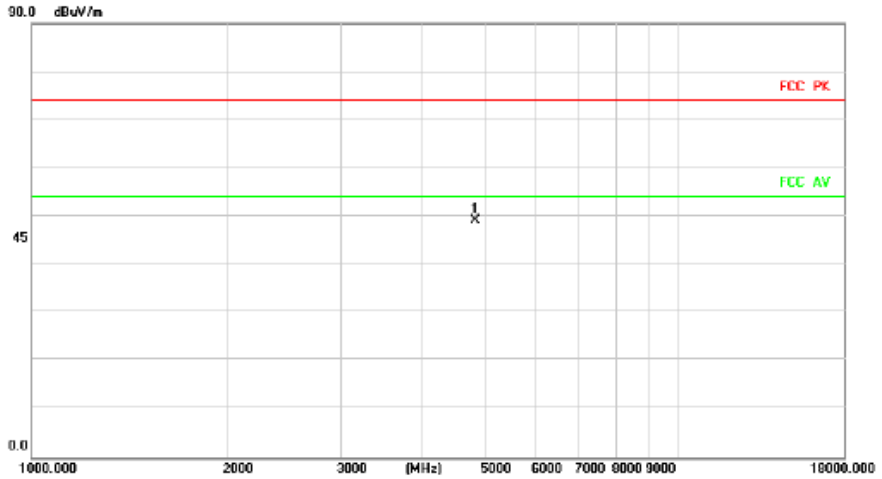
Above 1G (1GHz~18GHz)	Test mode:11G Ant1	Test Channel:6

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	*	4874.000	54.45	-4.56	49.89	74.00	-24.11	peak			

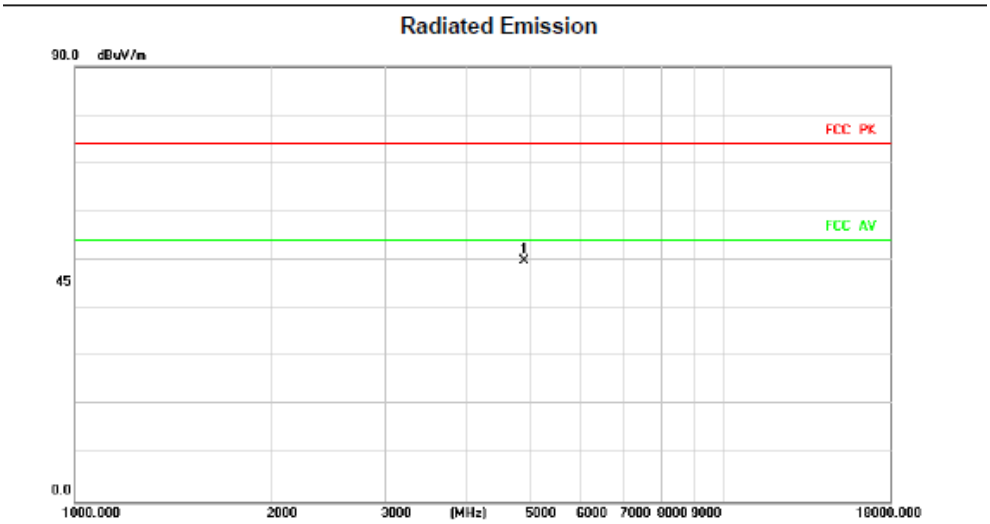
HORIZONTA



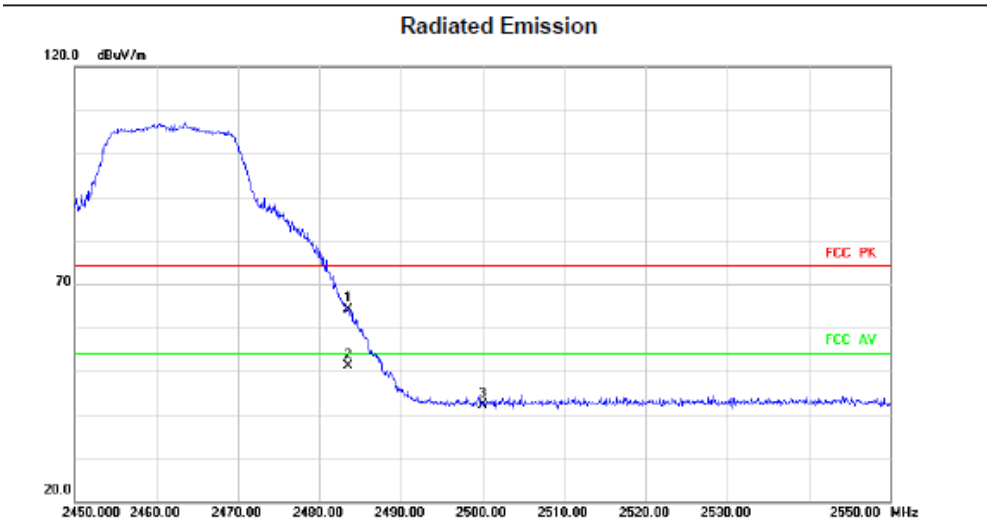
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4837.000	53.44	-4.30	49.14	74.00	-24.86	peak			

Above 1G (1GHz~18GHz)	Test mode: 11G Ant1	Test Channel:11

VERTICAL

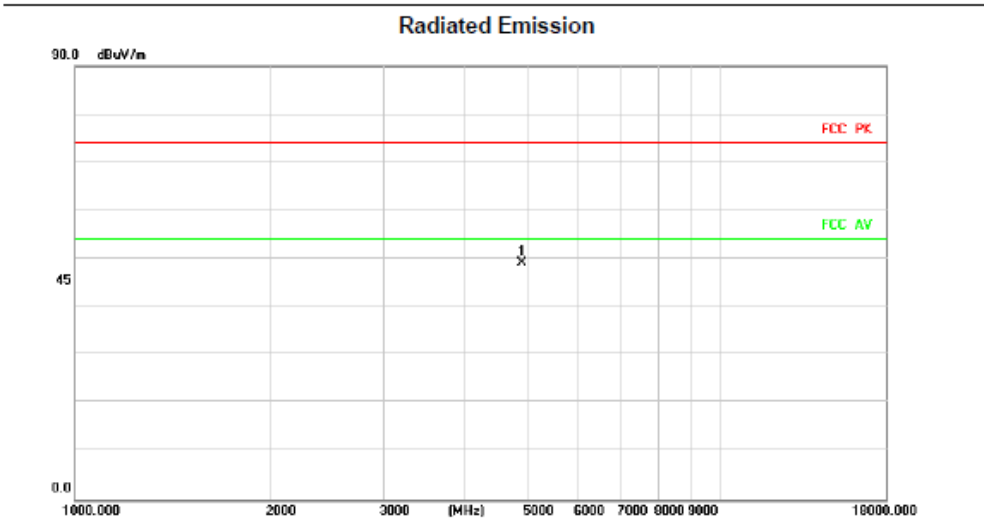


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4924.000	54.76	-4.90	49.86	74.00	-24.14	peak			

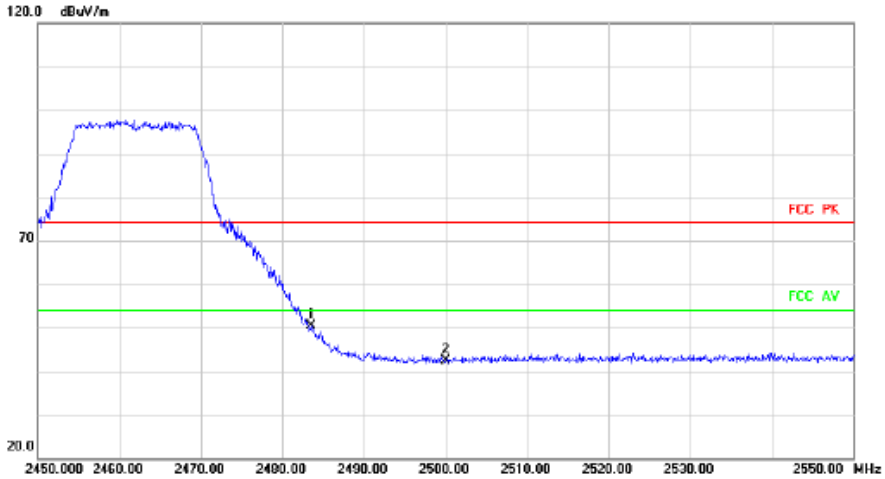


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	54.94	9.10	64.04	74.00	-9.96	peak			
2	*	2483.500	42.15	9.10	51.25	54.00	-2.75	AVG			
3		2500.000	32.94	9.26	42.20	74.00	-31.80	peak			

HORIZONTA



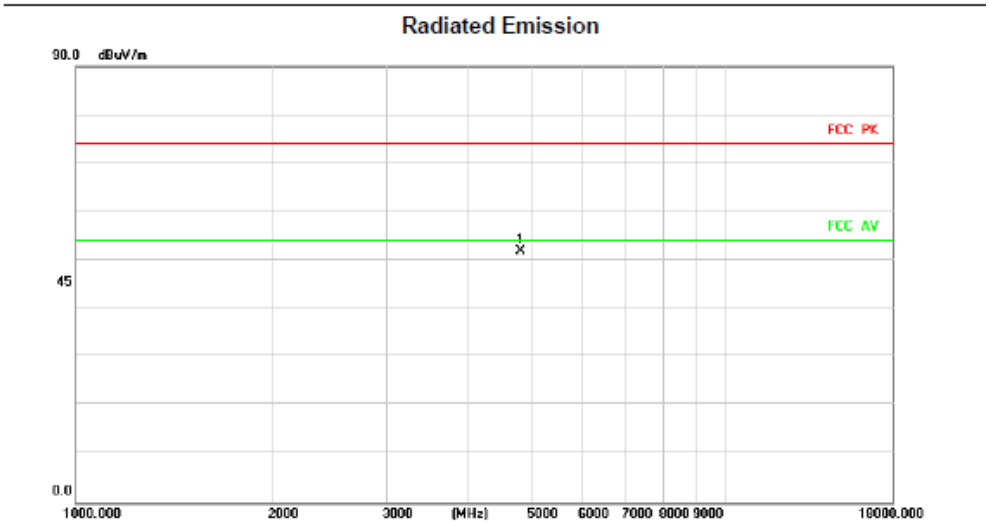
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4924.000	53.96	-4.90	49.06	74.00	-24.94	peak			



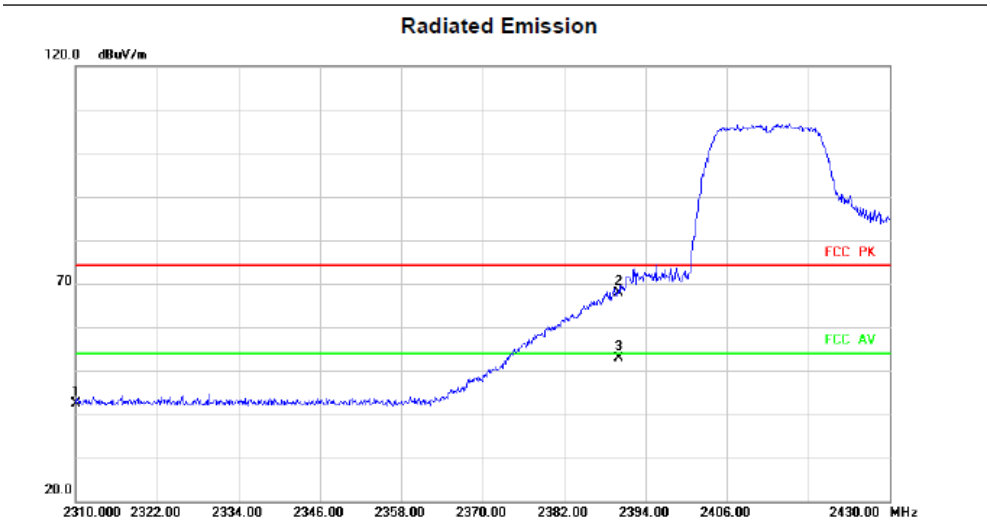
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2483.500	41.20	9.10	50.30	74.00	-23.70	peak			
2		2500.000	33.17	9.26	42.43	74.00	-31.57	peak			

Above 1G (1GHz~18GHz)	Test mode:11G Ant2	Test Channel:1

VERTICAL



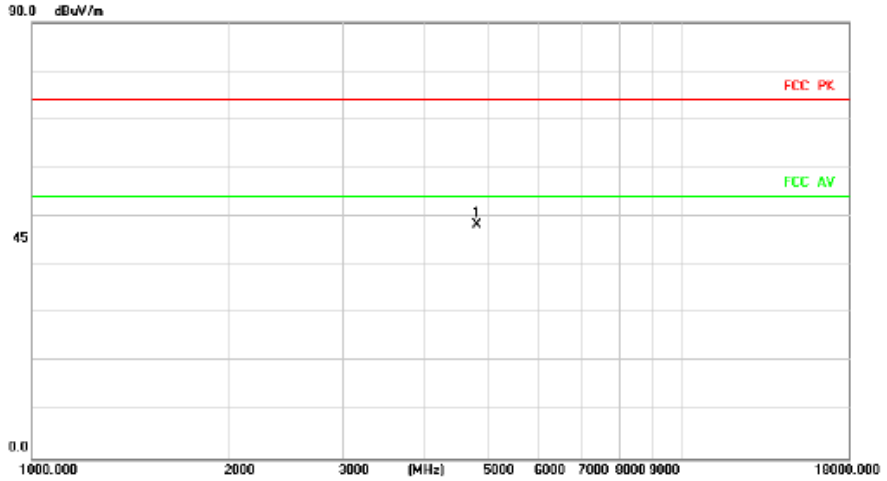
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4824.000	56.01	-4.18	51.83	74.00	-22.17	peak			



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		2310.000	34.20	8.22	42.42	74.00	-31.58	peak			
2		2390.000	59.43	8.46	67.89	74.00	-6.11	peak			
3	*	2390.000	44.39	8.46	52.85	54.00	-1.15	AVG			

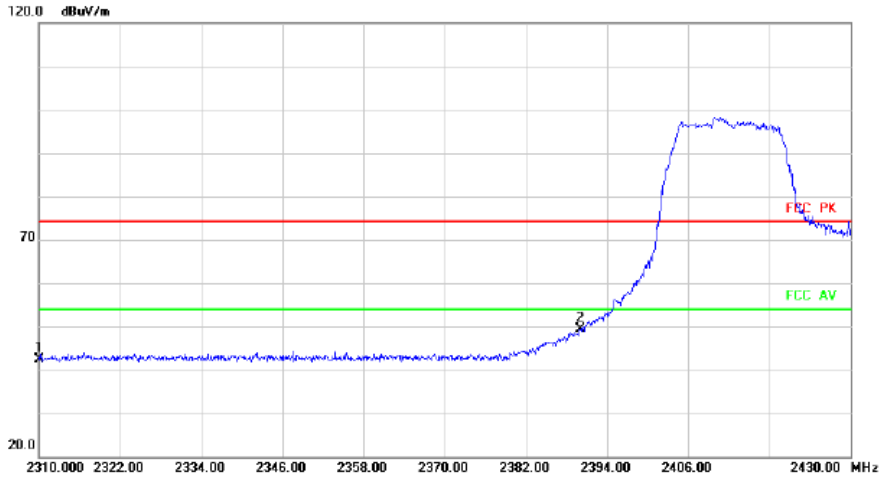
HORIZONTA

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	Comment
1	*	4824.000	52.42	-4.18	48.24	74.00	-25.76	peak			

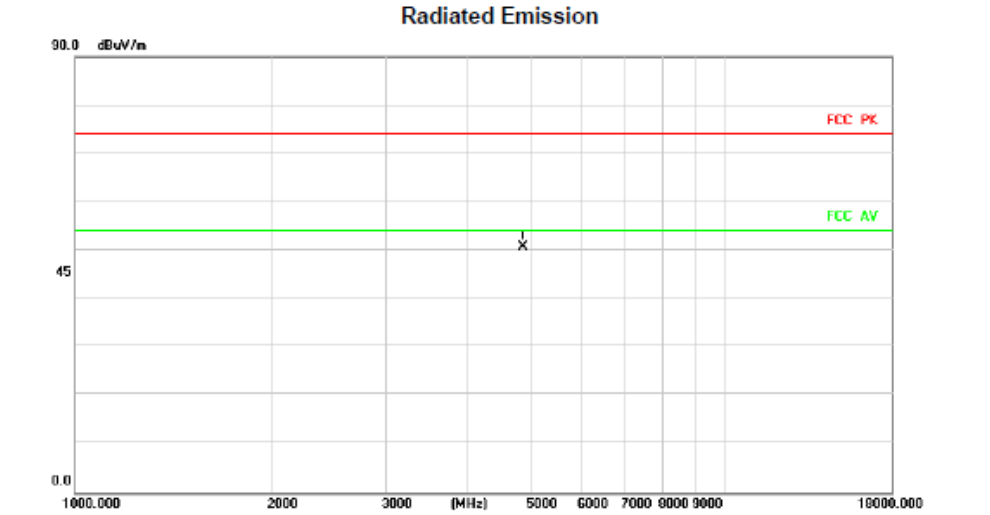
Radiated Emission



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	Comment
1		2310.000	34.28	8.22	42.50	74.00	-31.50	peak			
2	*	2390.000	40.91	8.46	49.37	74.00	-24.63	peak			

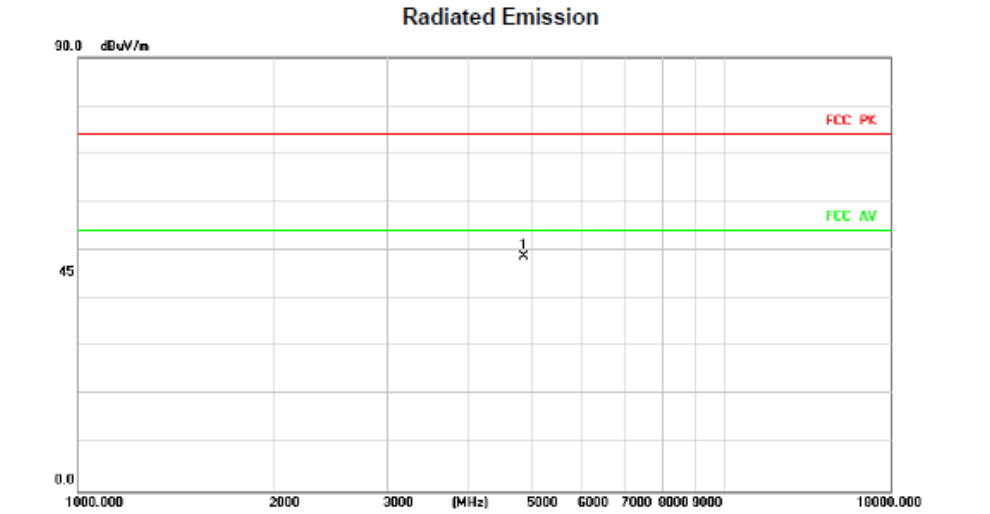
Above 1G (1GHz~18GHz)	Test mode:11G Ant2	Test Channel:6

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	*	4874.000	55.19	-4.56	50.63	74.00	-23.37	peak			

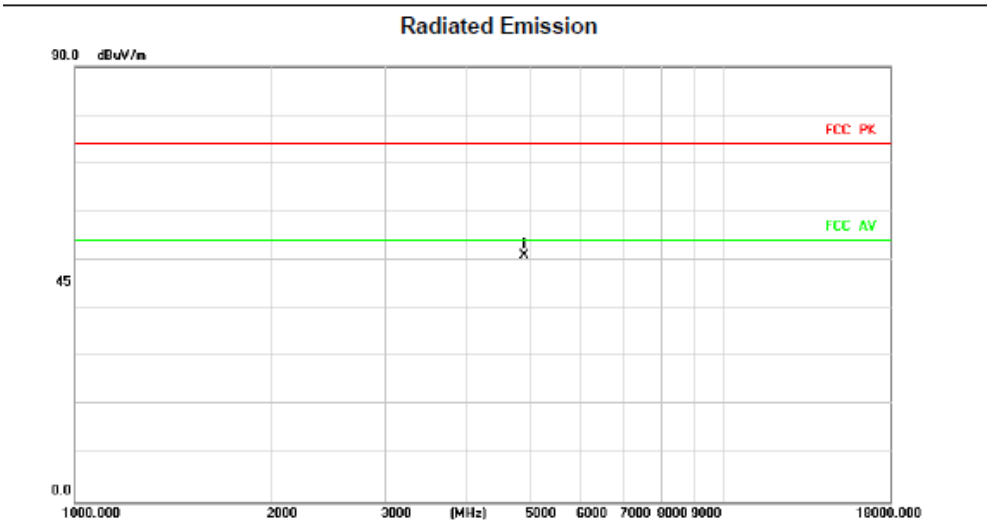
HORIZONTA



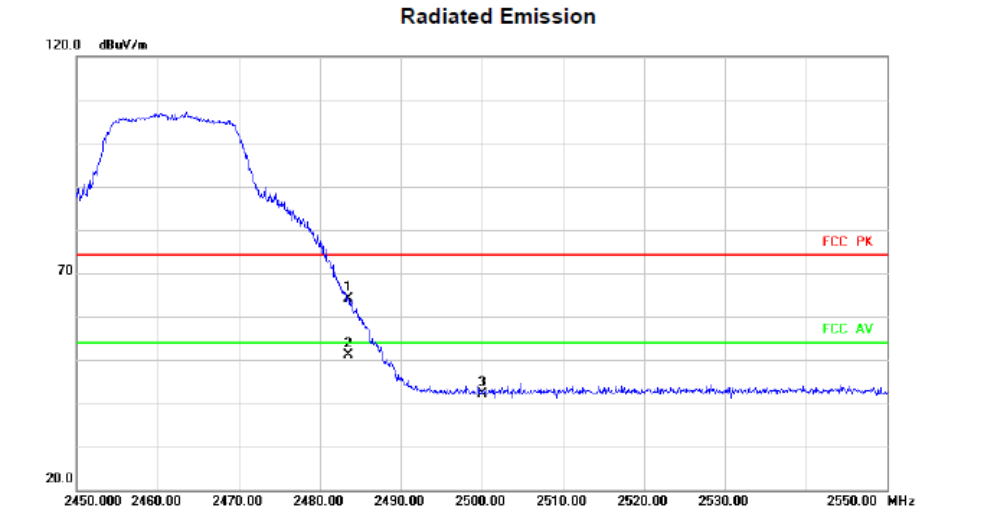
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4874.000	53.34	-4.56	48.78	74.00	-25.22	peak			

Above 1G (1GHz~18GHz)	Test mode: 11G Ant2	Test Channel:11

VERTICAL



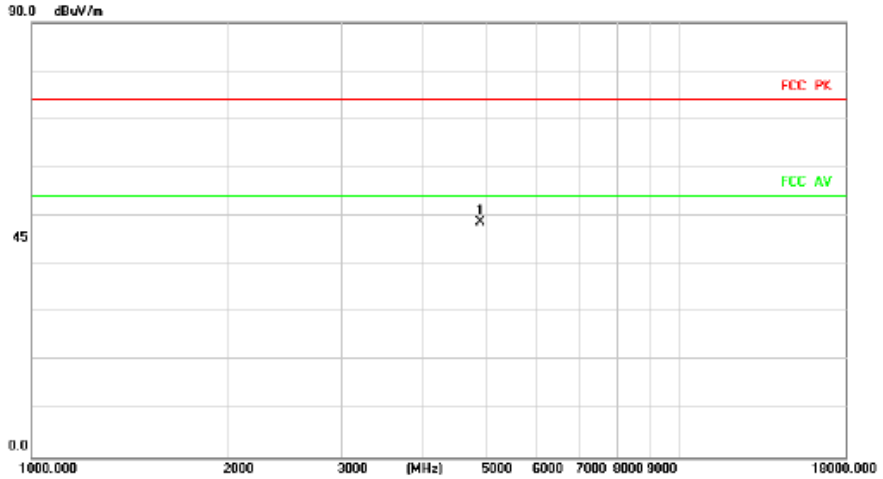
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4924.000	55.81	-4.90	50.91	74.00	-23.09	peak			



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	54.99	9.10	64.09	74.00	-9.91	peak			
2	*	2483.500	42.11	9.10	51.21	54.00	-2.79	AVG			
3		2500.000	33.00	9.26	42.26	74.00	-31.74	peak			

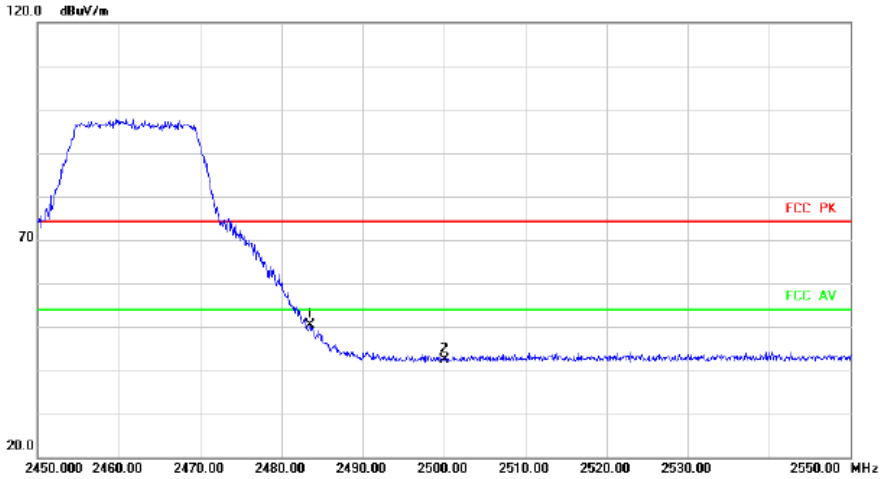
HORIZONTA

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	Comment
1	*	4924.000	53.69	-4.90	48.79	74.00	-25.21	peak			

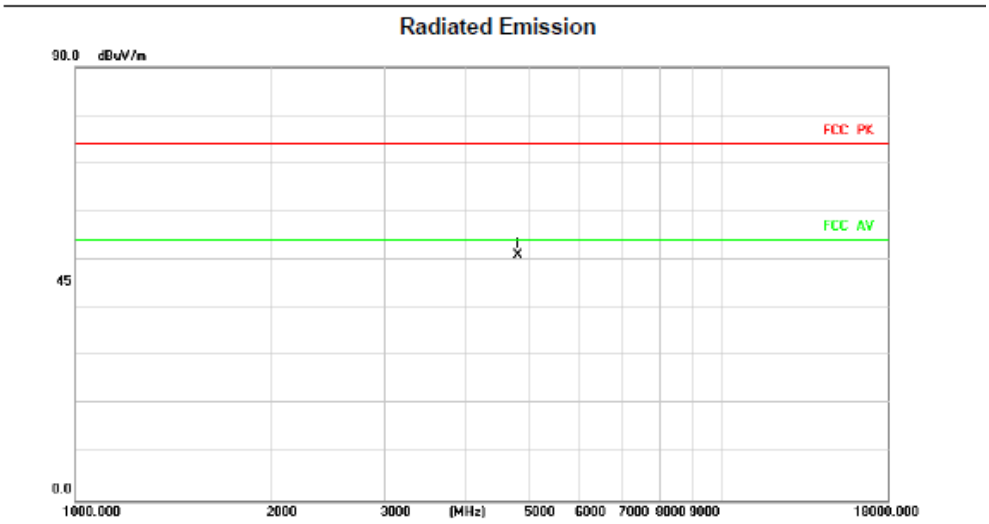
Radiated Emission



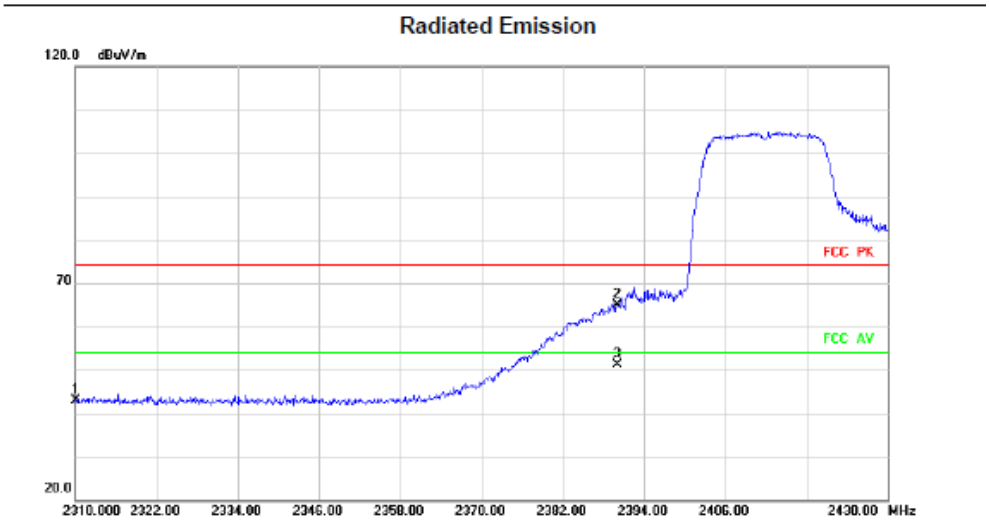
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2483.500	41.16	9.10	50.26	74.00	-23.74	peak			
2		2500.000	33.21	9.26	42.47	74.00	-31.53	peak			

Above 1G (1GHz~18GHz)	Test mode: 11N20 MIMO	Test Channel:1

VERTICAL

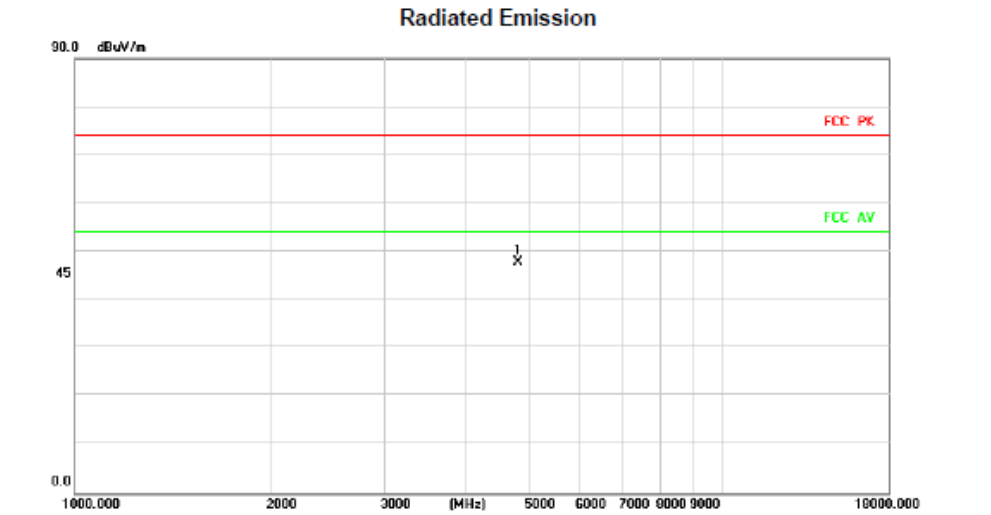


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4824.000	55.09	-4.18	50.91	74.00	-23.09	peak			

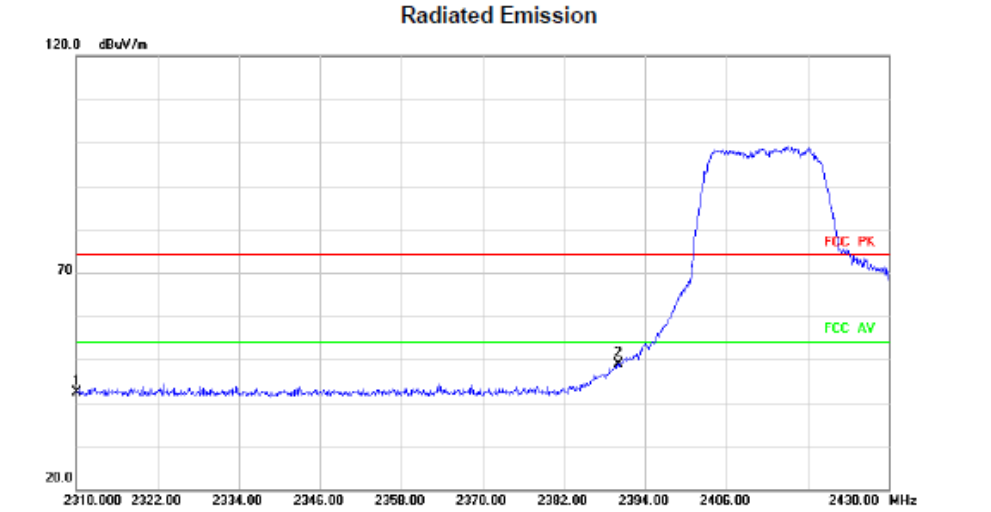


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2310.000	34.70	8.22	42.92	74.00	-31.08	peak			
2		2390.000	56.52	8.46	64.98	74.00	-9.02	peak			
3	*	2390.000	42.58	8.46	51.04	54.00	-2.96	AVG			

HORIZONTA



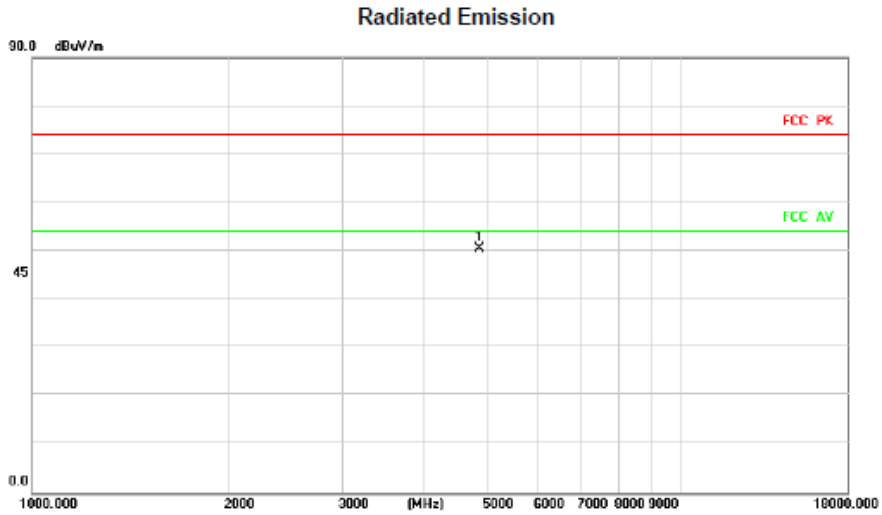
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4824.000	52.08	-4.18	47.90	74.00	-26.10	peak			



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	34.08	8.22	42.30	74.00	-31.70	peak			
2	*	2390.000	40.44	8.46	48.90	74.00	-25.10	peak			

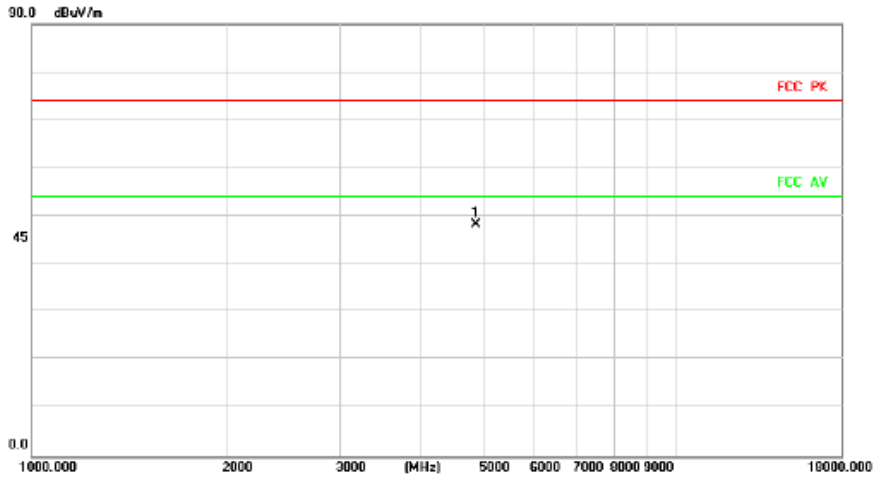
Above 1G (1GHz~18GHz)	Test mode:11N20 MIMO	Test Channel:6

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	*	4874.000	55.17	-4.56	50.61	74.00	-23.39	peak			

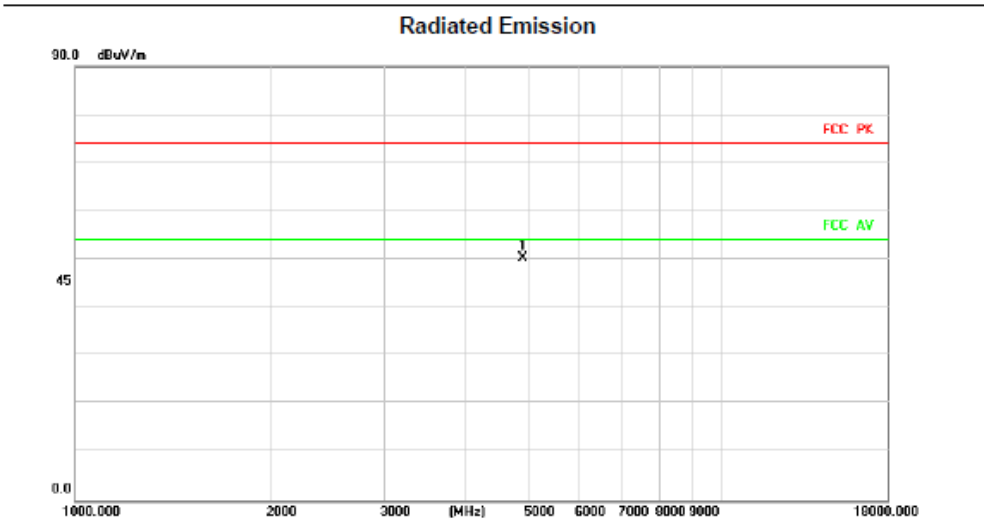
HORIZONTA



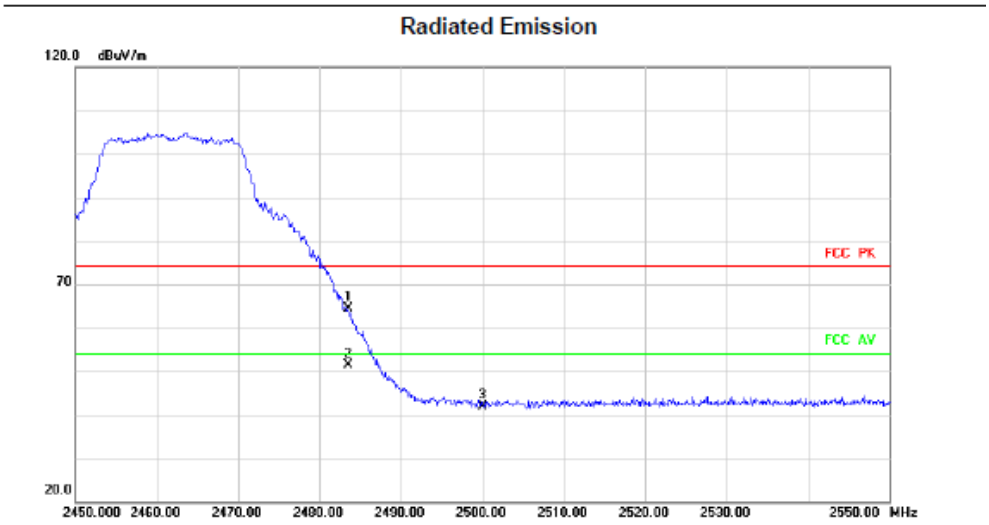
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4874.000	52.90	-4.56	48.34	74.00	-25.66	peak			

Above 1G (1GHz~18GHz)	Test mode: 11N20 MIMO	Test Channel:11

VERTICAL

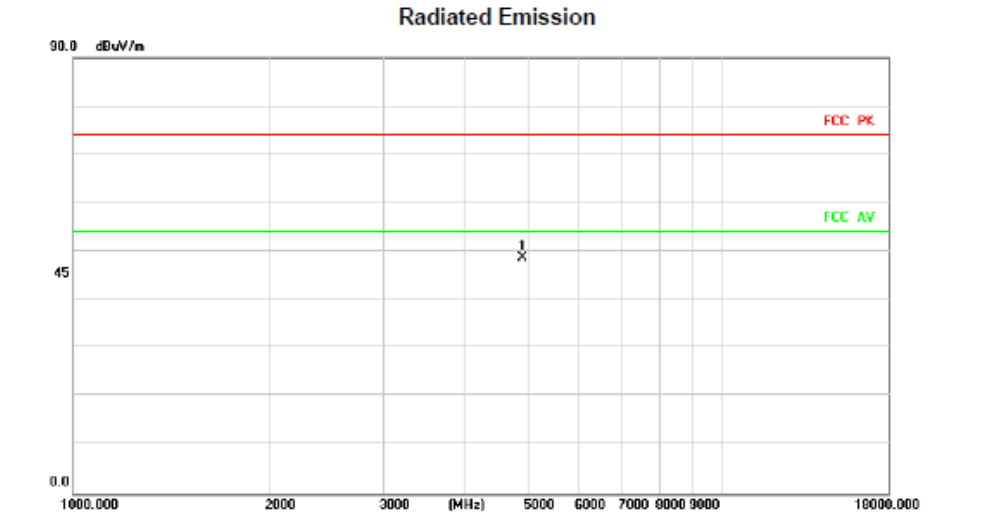


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4924.000	55.17	-4.90	50.27	74.00	-23.73	peak			

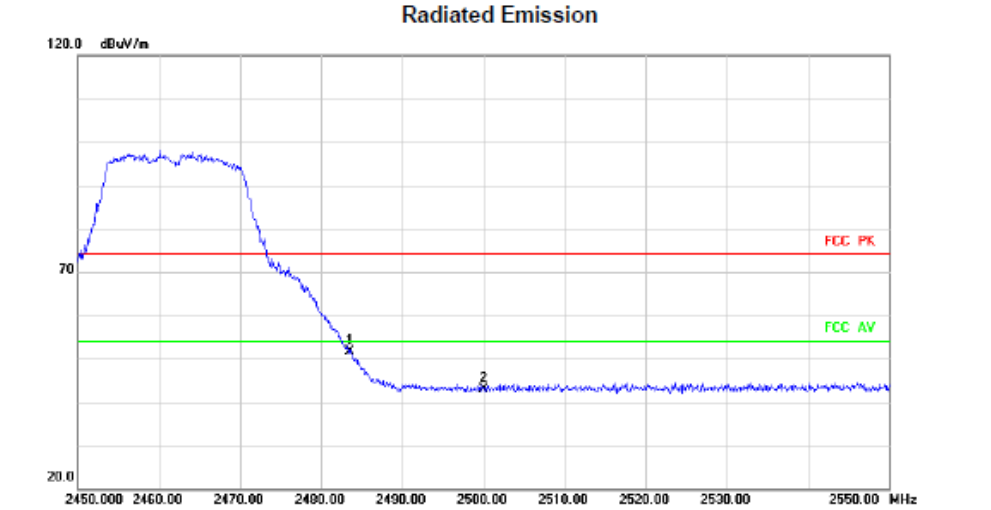


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	55.35	9.10	64.45	74.00	-9.55	peak			
2	*	2483.500	42.23	9.10	51.33	54.00	-2.67	AVG			
3		2500.000	32.57	9.26	41.83	74.00	-32.17	peak			

HORIZONTA



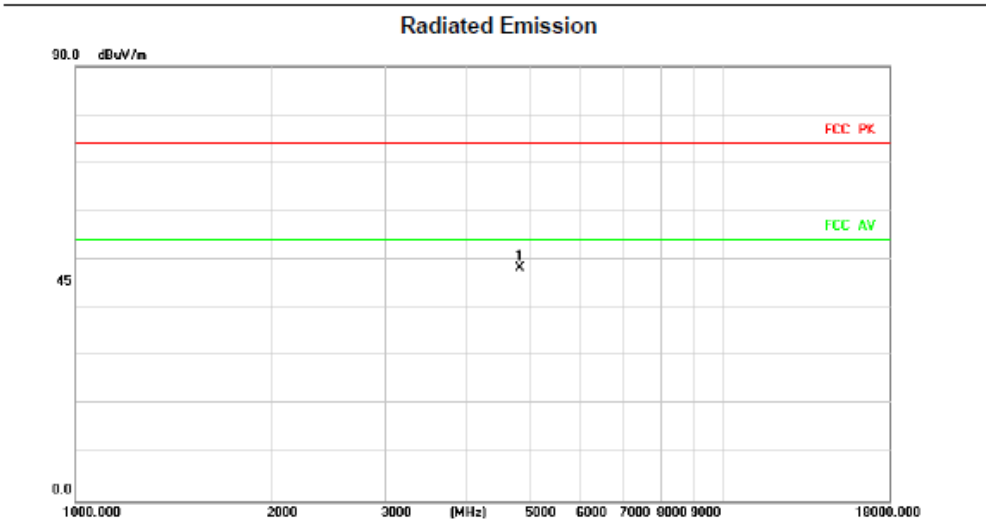
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4924.000	53.52	-4.90	48.62	74.00	-25.38	peak			



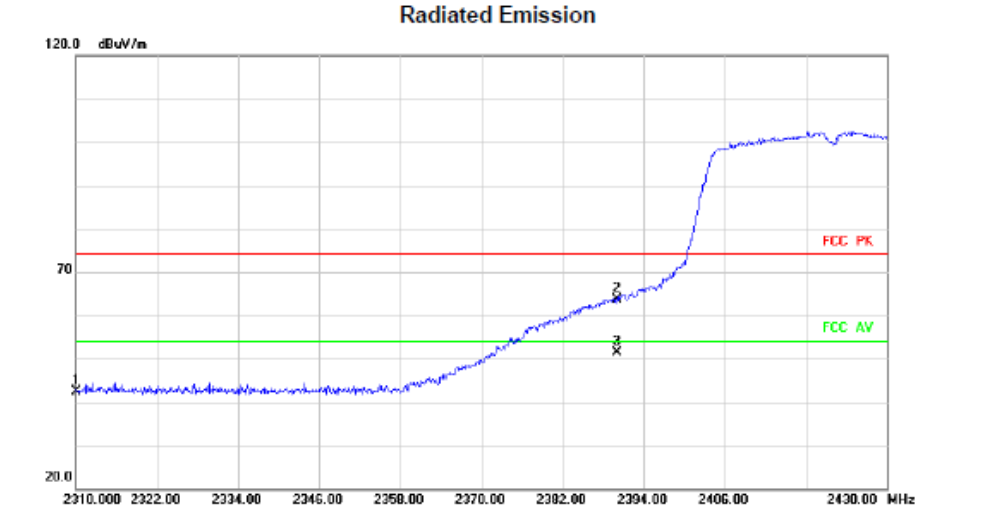
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2483.500	42.46	9.10	51.56	74.00	-22.44	peak			
2		2500.000	33.63	9.26	42.89	74.00	-31.11	peak			

Above 1G (1GHz~18GHz)	Test mode: 11N40 MIMO	Test Channel:3

VERTICAL



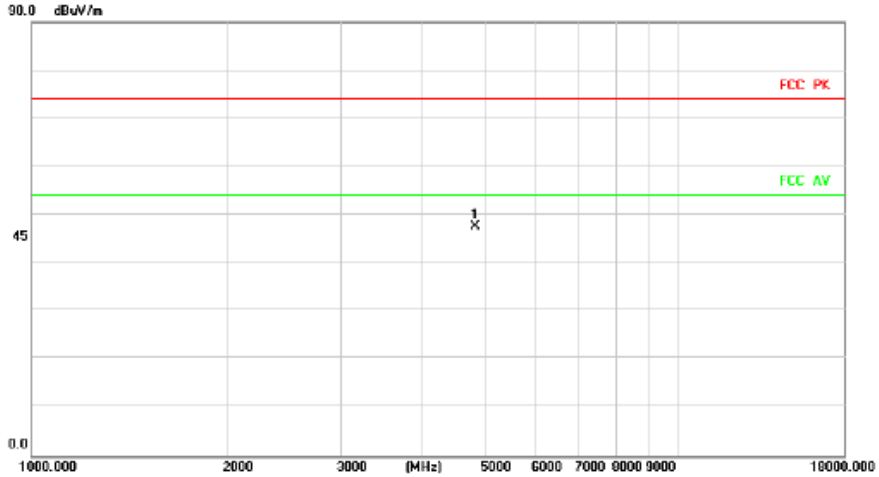
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4844.000	52.72	-4.38	48.34	74.00	-25.66	peak			



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	34.24	8.22	42.46	74.00	-31.54	peak			
2		2390.000	55.17	8.46	63.63	74.00	-10.37	peak			
3	*	2390.000	42.88	8.46	51.34	54.00	-2.66	AVG			

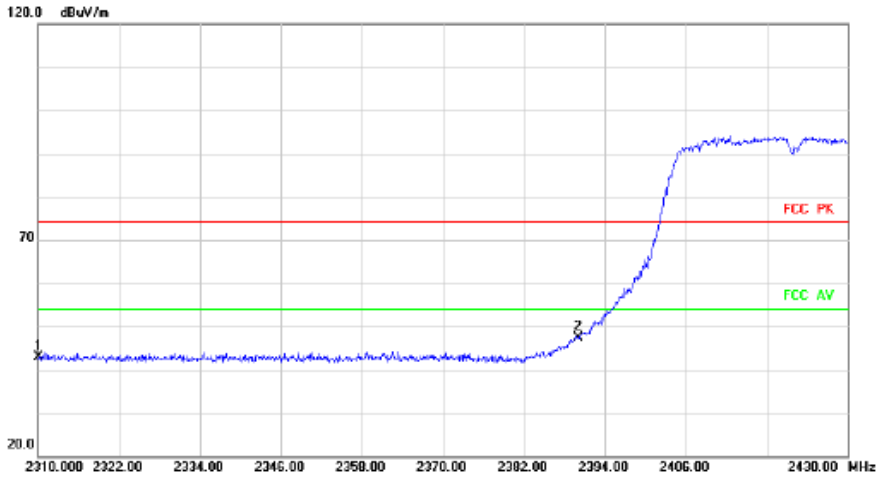
HORIZONTA

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	Comment
1	*	4844.000	52.00	-4.38	47.62	74.00	-26.38	peak			

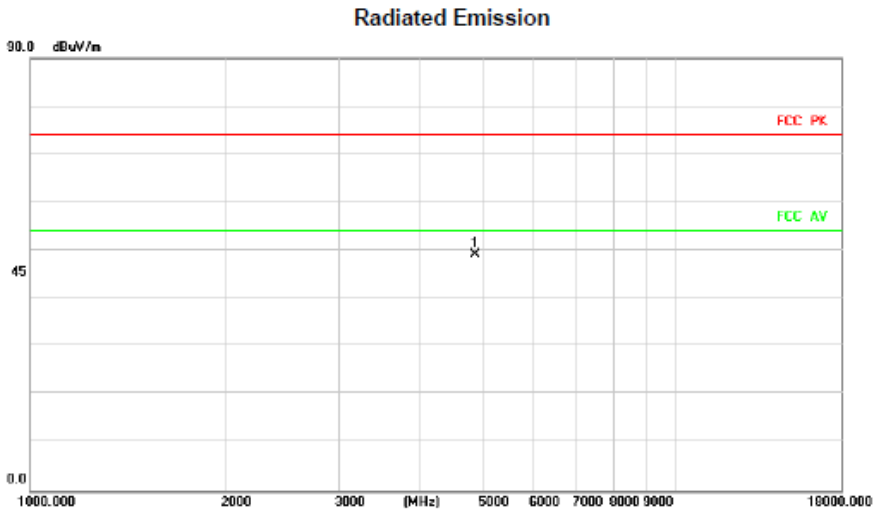
Radiated Emission



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	Comment
1		2310.000	34.71	8.22	42.93	74.00	-31.07	peak			
2	*	2390.000	38.99	8.46	47.45	74.00	-26.55	peak			

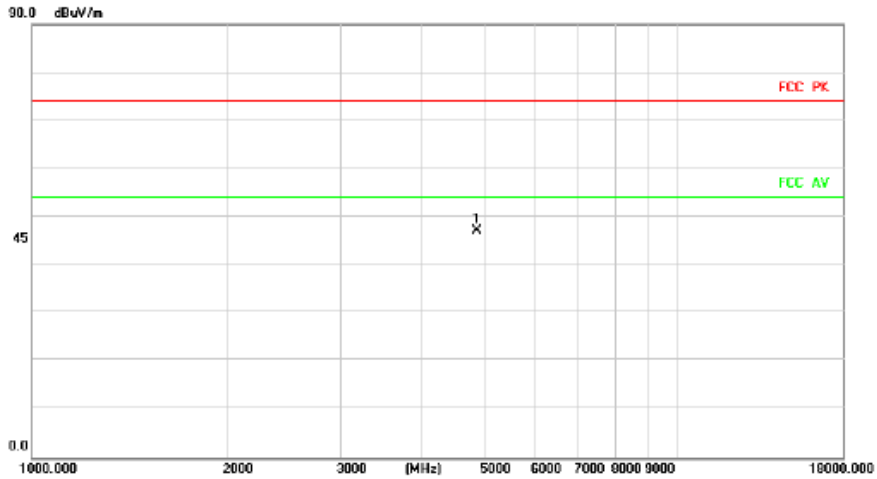
Above 1G (1GHz~18GHz)	Test mode:11N40 MIMO	Test Channel:6

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	*	4874.000	53.74	-4.56	49.18	74.00	-24.82	peak			

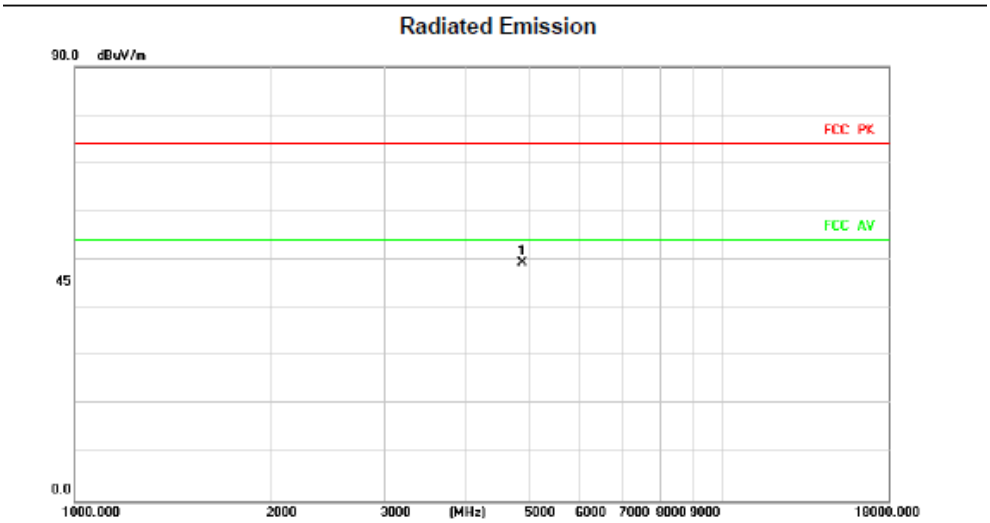
HORIZONTA



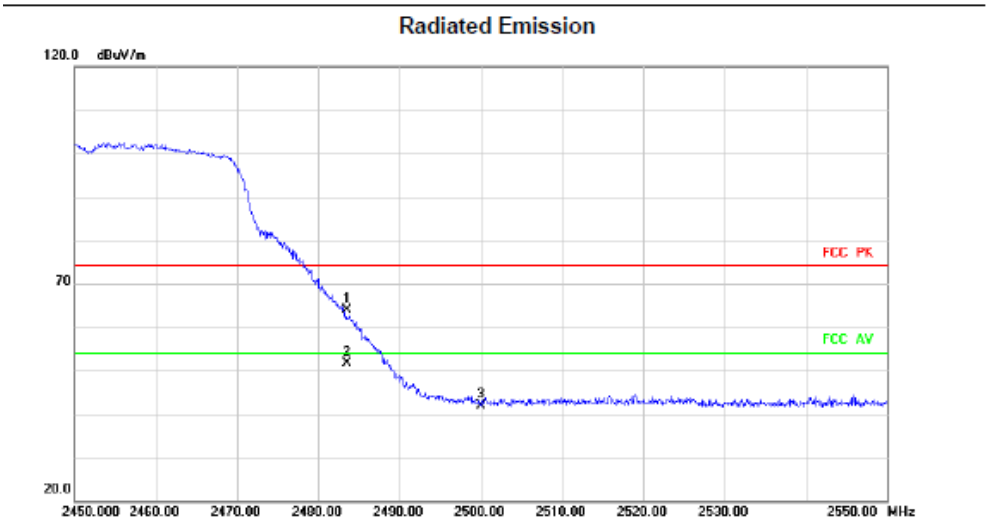
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4874.000	51.62	-4.56	47.06	74.00	-26.94	peak			

Above 1G (1GHz~18GHz)	Test mode: 11N40 MIMO	Test Channel:9

VERTICAL



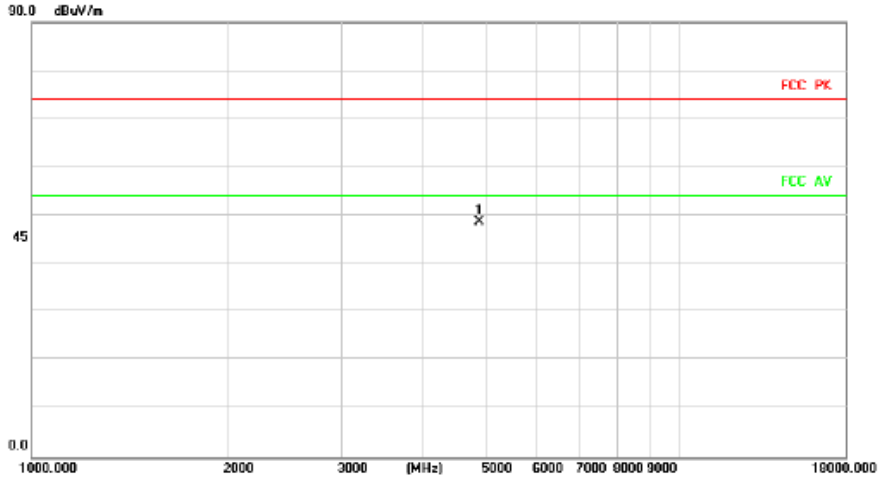
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4904.000	54.06	-4.74	49.32	74.00	-24.68	peak			



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	54.84	9.10	63.94	74.00	-10.06	peak			
2	*	2483.500	42.45	9.10	51.55	54.00	-2.45	AVG			
3		2500.000	32.65	9.26	41.91	74.00	-32.09	peak			

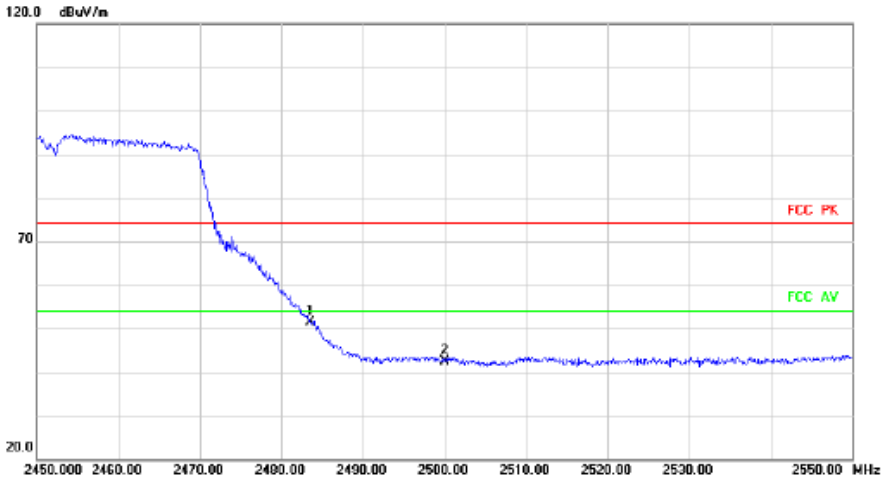
HORIZONTA

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	Comment
1	*	4904.000	53.35	-4.74	48.61	74.00	-25.39	peak			

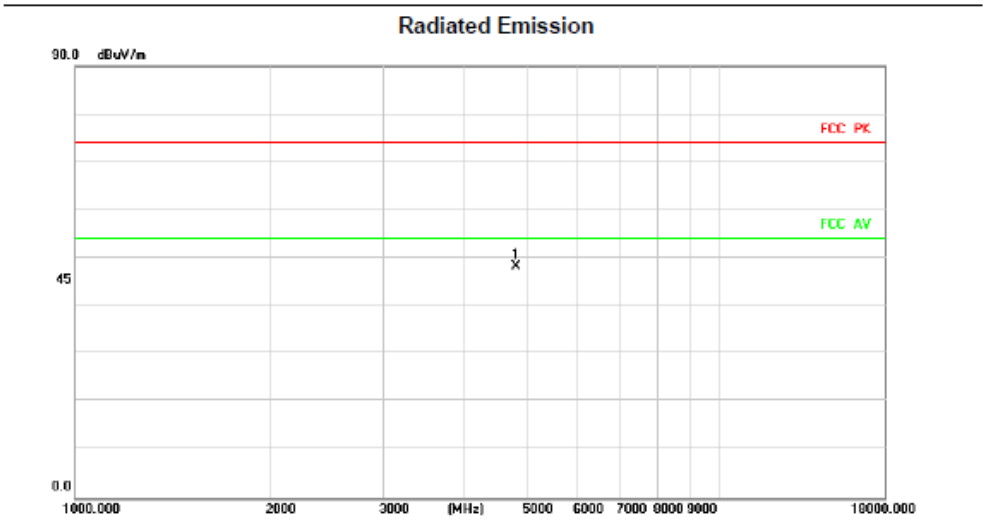
Radiated Emission



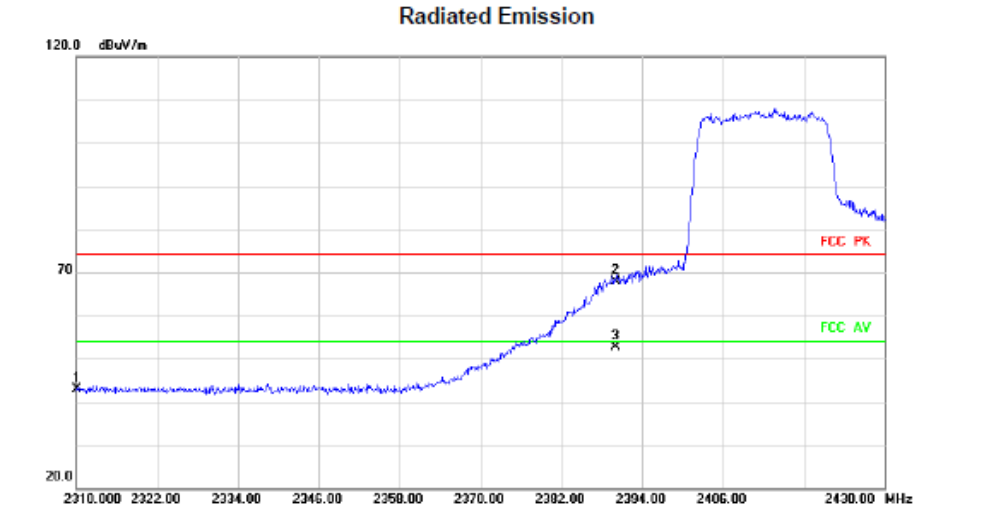
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2483.500	42.33	9.10	51.43	74.00	-22.57	peak			
2		2500.000	33.21	9.26	42.47	74.00	-31.53	peak			

Above 1G (1GHz~18GHz)	Test mode: 11AX20 MIMO	Test Channel:1

VERTICAL

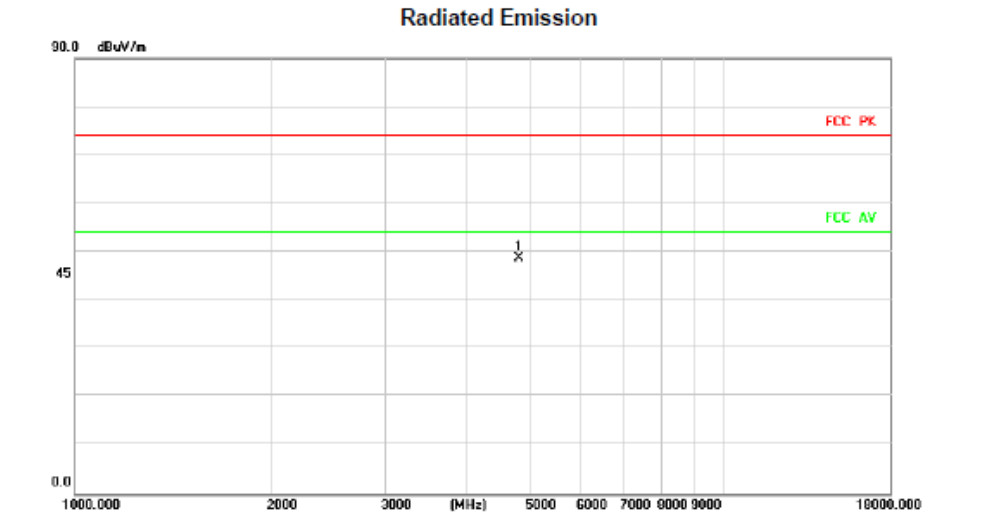


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4824.000	52.42	-4.18	48.24	74.00	-25.76	peak			

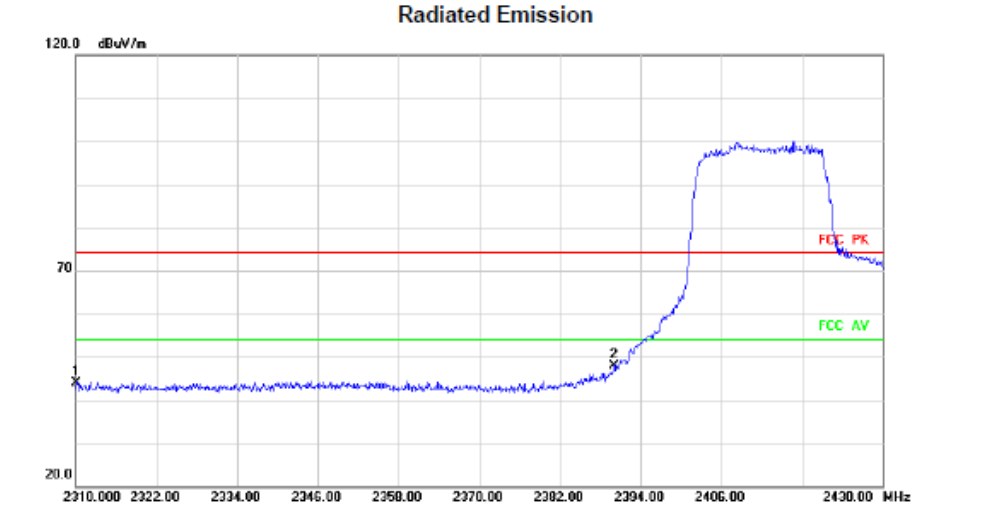


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2310.000	34.64	8.22	42.86	74.00	-31.14	peak			
2		2390.000	59.46	8.46	67.92	74.00	-6.08	peak			
3	*	2390.000	44.26	8.46	52.72	54.00	-1.28	AVG			

HORIZONTA



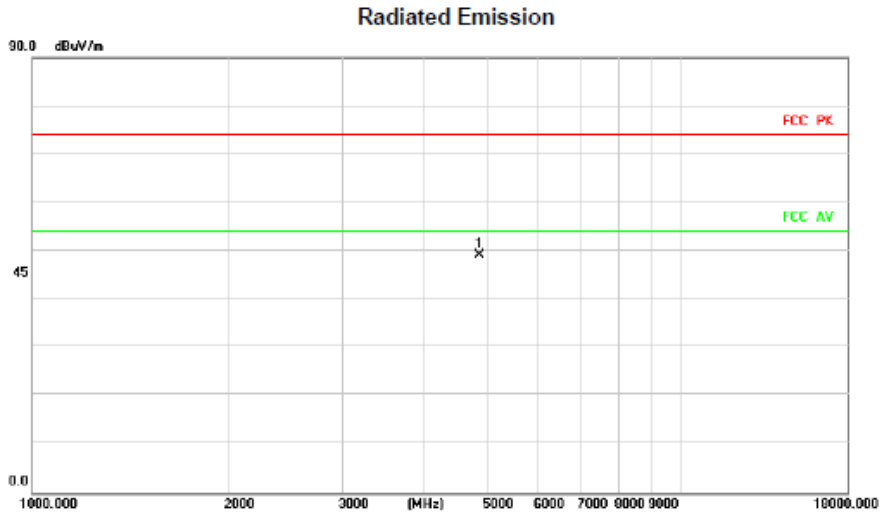
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4824.000	52.96	-4.18	48.78	74.00	-25.22	peak			



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	35.55	8.22	43.77	74.00	-30.23	peak			
2	*	2390.000	39.51	8.46	47.97	74.00	-26.03	peak			

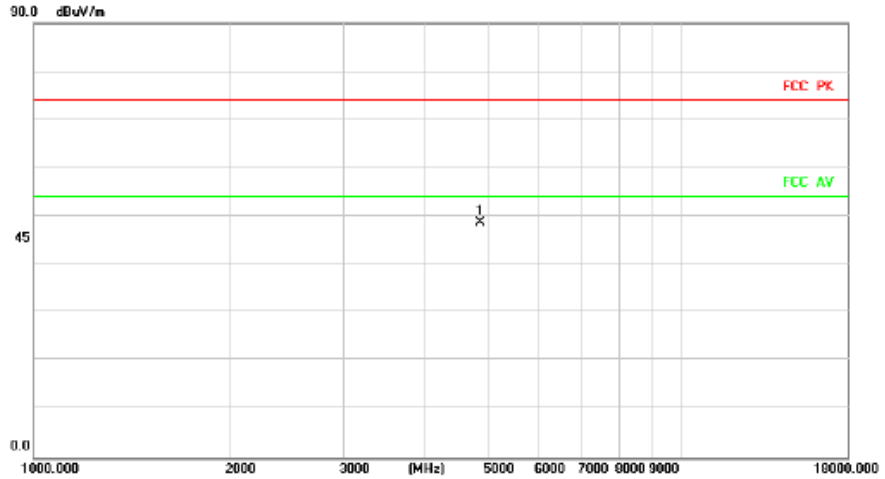
Above 1G (1GHz~18GHz)	Test mode:11AX20 MIMO	Test Channel:6

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	*	4874.000	53.62	-4.56	49.06	74.00	-24.94	peak			

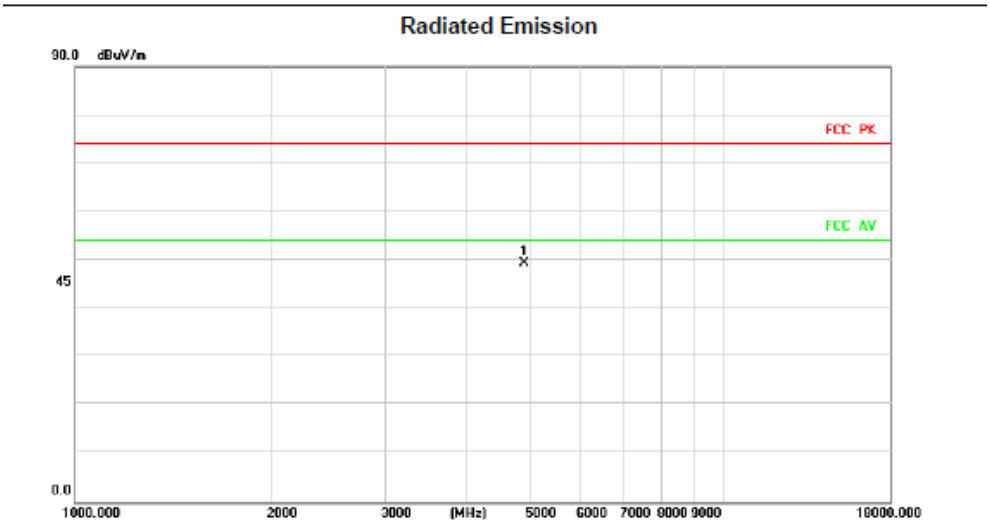
HORIZONTA



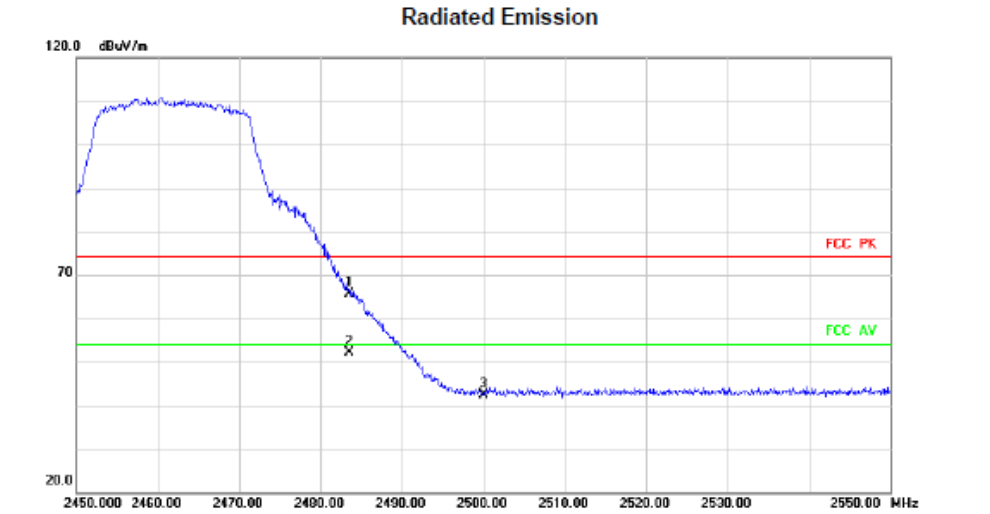
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4874.000	53.23	-4.56	48.67	74.00	-25.33	peak			

Above 1G (1GHz~18GHz)	Test mode: 11AX20 MIMO	Test Channel:11

VERTICAL

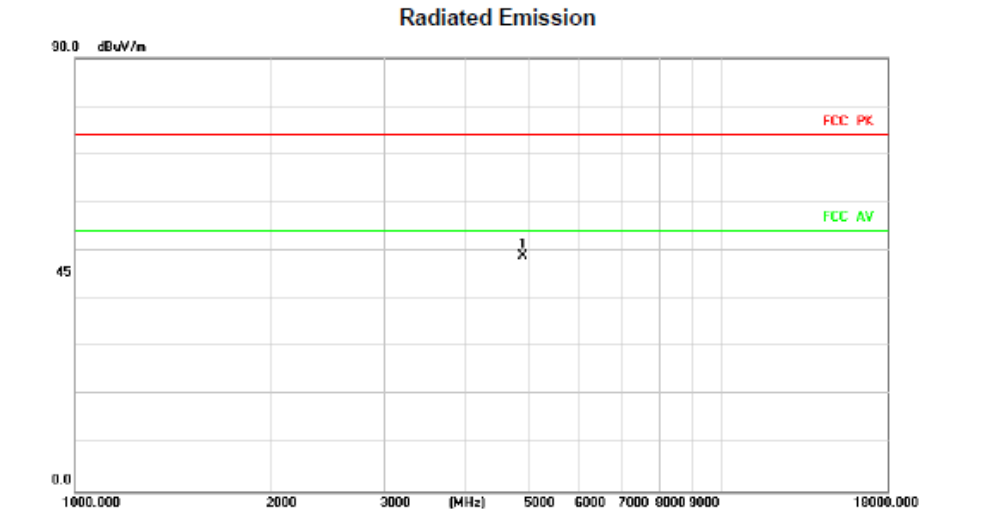


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4924.000	54.25	-4.90	49.35	74.00	-24.65	peak			

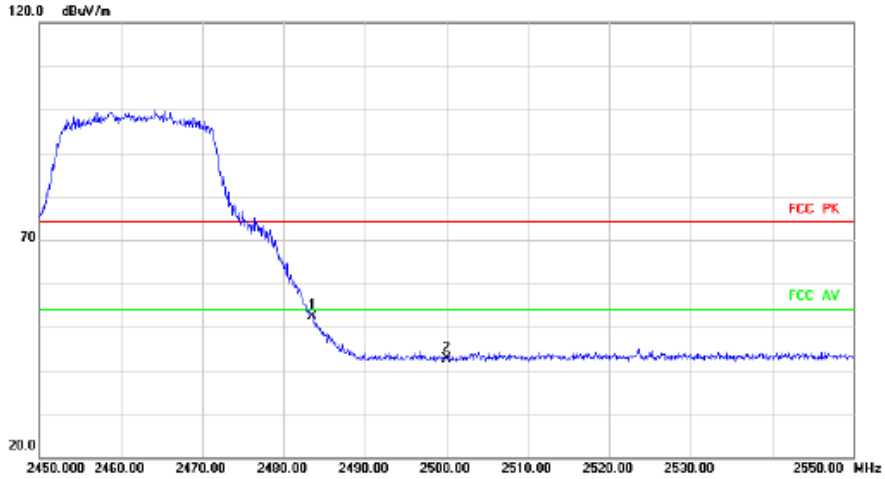


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	56.50	9.10	65.60	74.00	-8.40	peak			
2	*	2483.500	43.04	9.10	52.14	54.00	-1.86	AVG			
3		2500.000	33.20	9.26	42.46	74.00	-31.54	peak			

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	53.93	-4.90	49.03	74.00	-24.97	peak			

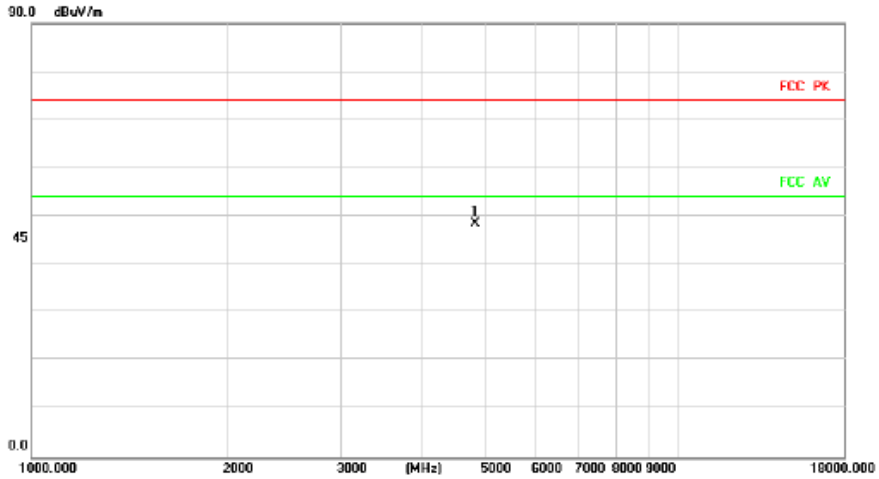


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2483.500	43.26	9.10	52.36	74.00	-21.64	peak			
2		2500.000	33.26	9.26	42.52	74.00	-31.48	peak			

Above 1G (1GHz~18GHz)	Test mode: 11AX40 MIMO	Test Channel:3

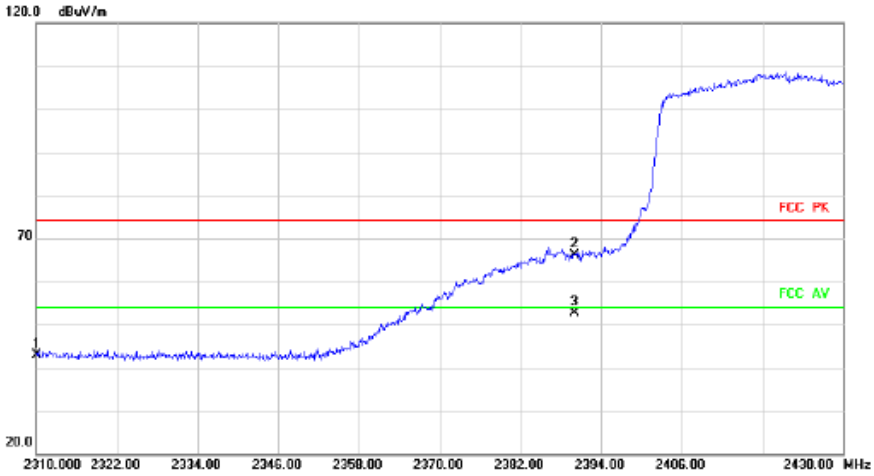
VERTICAL

Radiated Emission



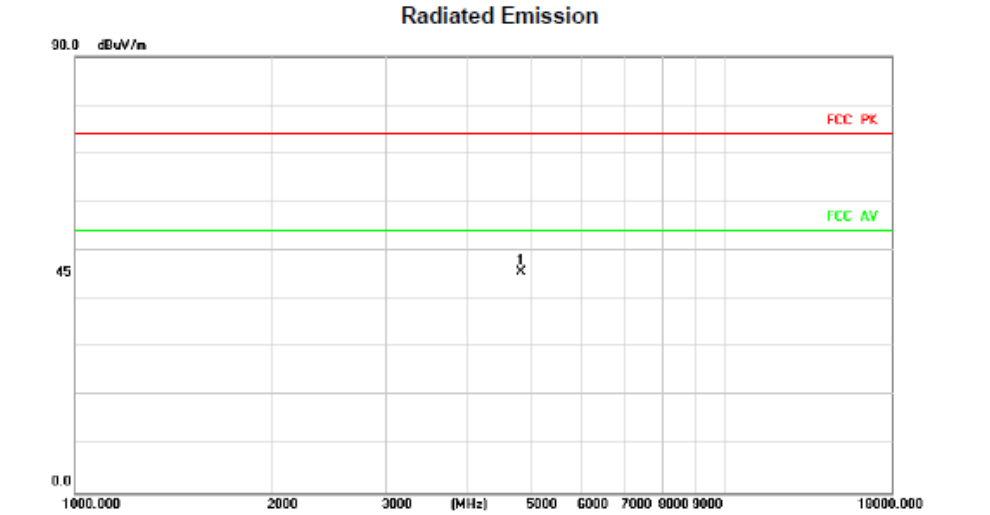
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4844.000	52.85	-4.38	48.47	74.00	-25.53	peak			

Radiated Emission

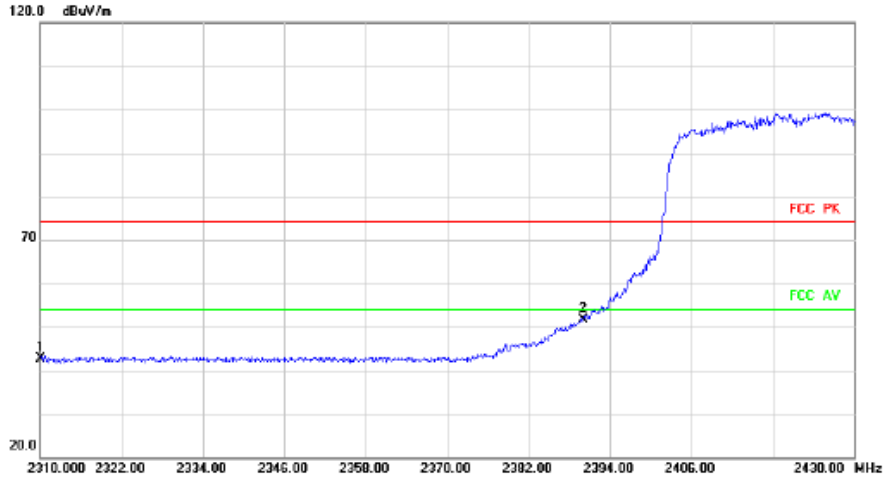


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2310.000	34.54	8.22	42.76	74.00	-31.24	peak			
2		2390.000	57.77	8.46	66.23	74.00	-7.77	peak			
3	*	2390.000	44.13	8.46	52.59	54.00	-1.41	AVG			

HORIZONTA



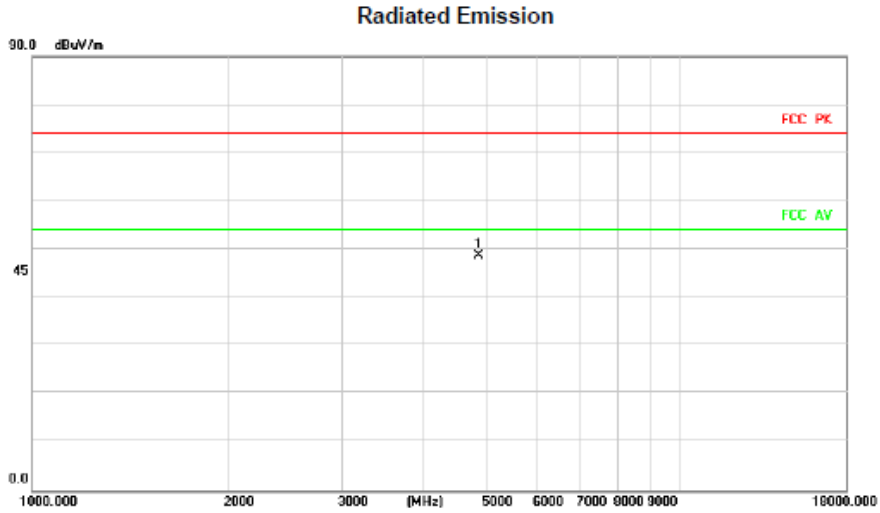
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4844.000	49.90	-4.38	45.52	74.00	-28.48	peak			



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	34.41	8.22	42.63	74.00	-31.37	peak			
2	*	2390.000	43.08	8.46	51.54	74.00	-22.46	peak			

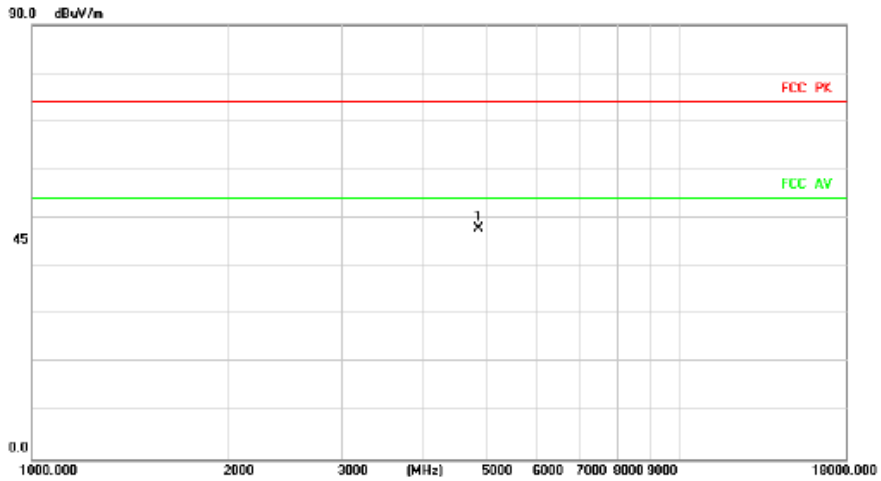
Above 1G (1GHz~18GHz)	Test mode:11AX40 MIMO	Test Channel:6

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	*	4874.000	53.25	-4.56	48.69	74.00	-25.31	peak			

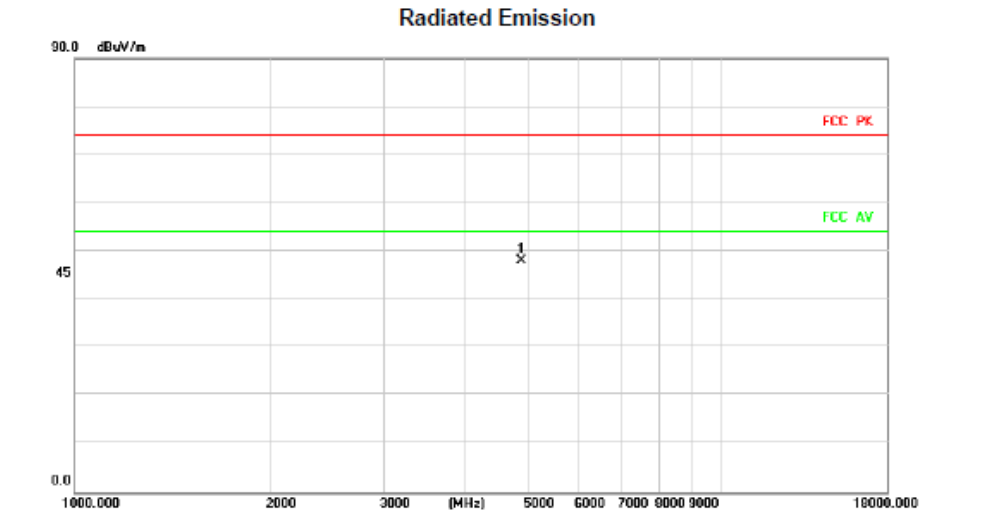
HORIZONTA



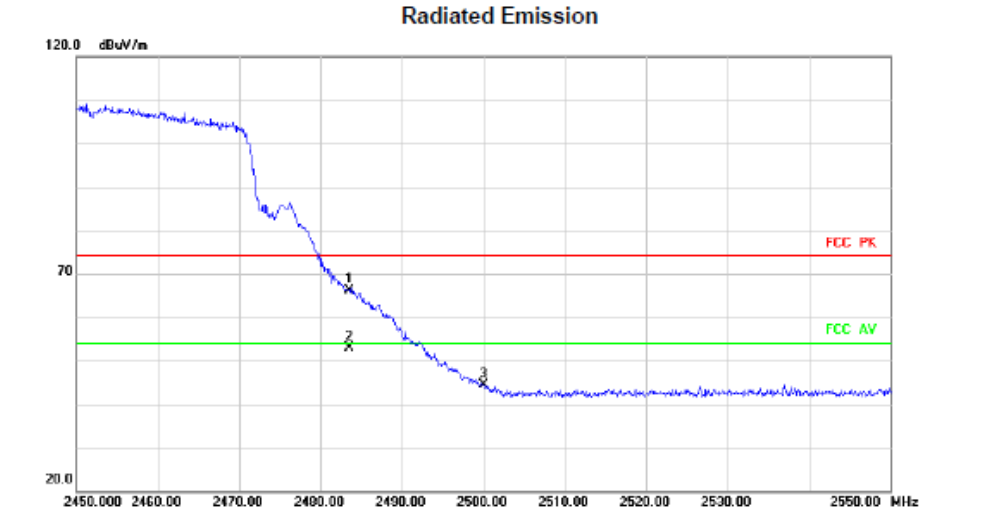
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4874.000	52.40	-4.56	47.84	74.00	-26.16	peak			

Above 1G (1GHz~18GHz)	Test mode: 11AX40 MIMO	Test Channel:9

VERTICAL

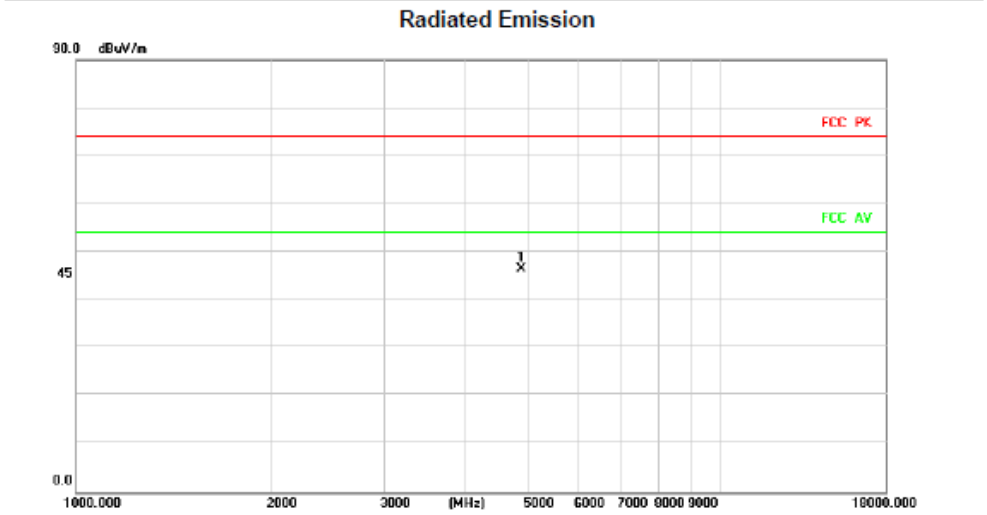


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	4904.000	52.72	-4.74	47.98	74.00	-26.02	peak			

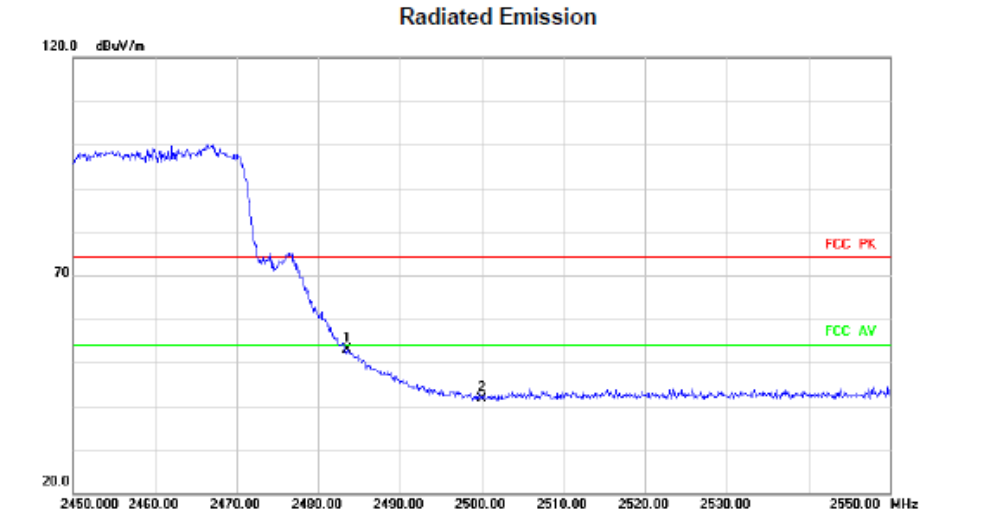


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	57.15	9.10	66.25	74.00	-7.75	peak			
2	*	2483.500	43.88	9.10	52.98	54.00	-1.02	AVG			
3		2500.000	35.06	9.26	44.32	74.00	-29.68	peak			

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	*	4904.000	51.13	-4.74	46.39	74.00	-27.61	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	43.73	9.10	52.83	74.00	-21.17	peak			
2		2500.000	32.47	9.26	41.73	74.00	-32.27	peak			

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

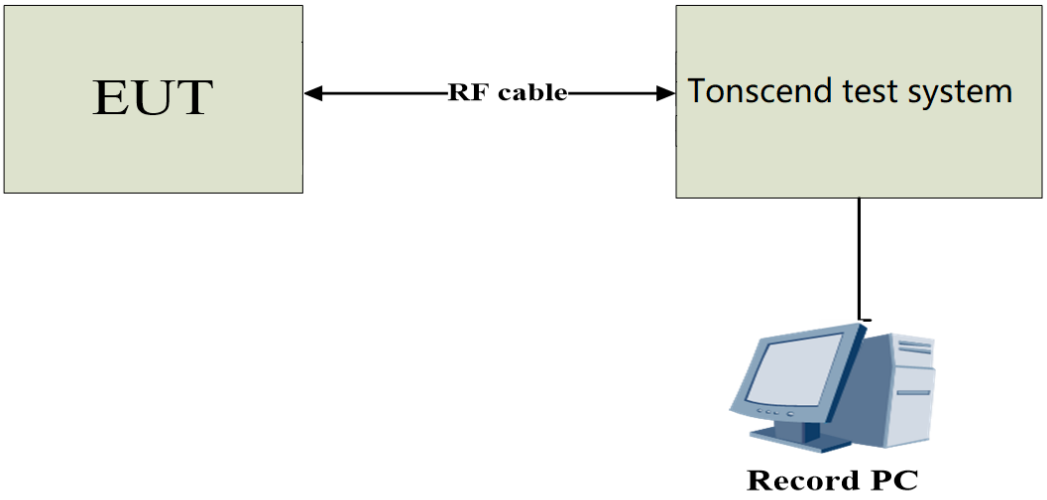
Test Method	
●Conducted Measurement	○Radiated Measurement
Test Channels	
● Lowest, Middle and Highest Channel	○ Lowest and Highest Channel
Environmental conditions	
●Normal	○Normal and Extreme
Note:●:Test ○:No Test	

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

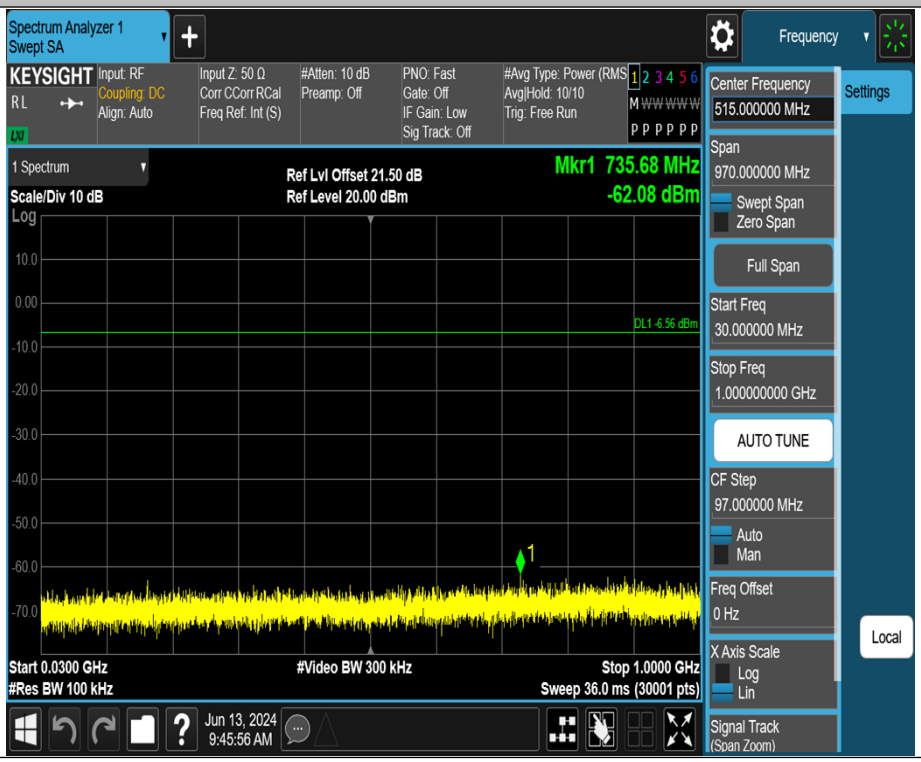


3.3.4 The Result

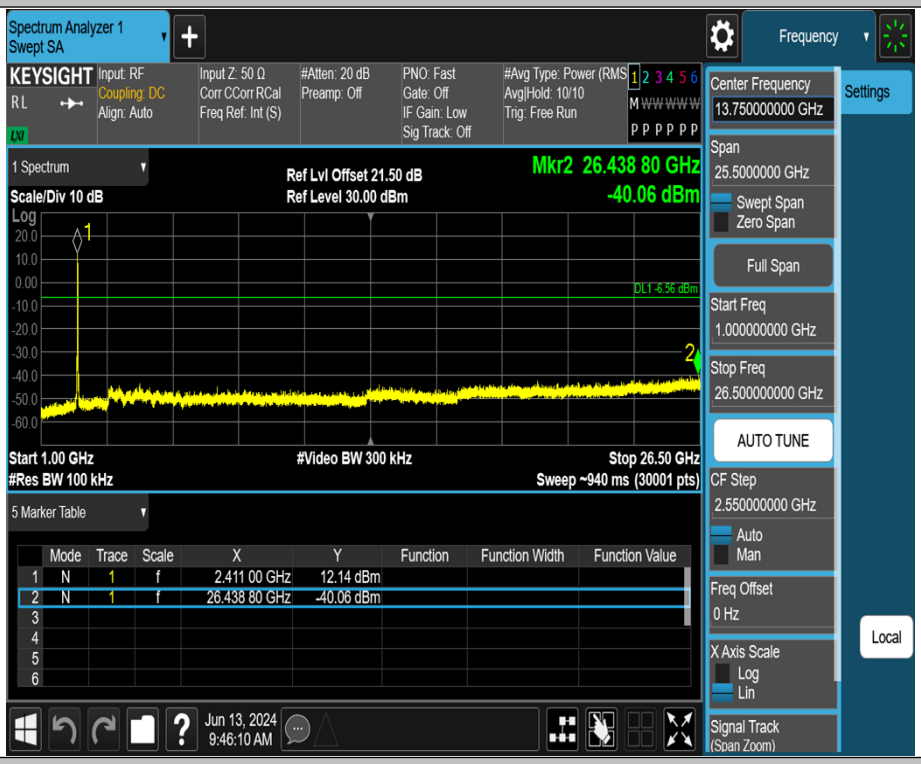
Conducted Spurious Emission

11B_Ant1_2412_0~Reference

11B_Ant1_2412_30~1000

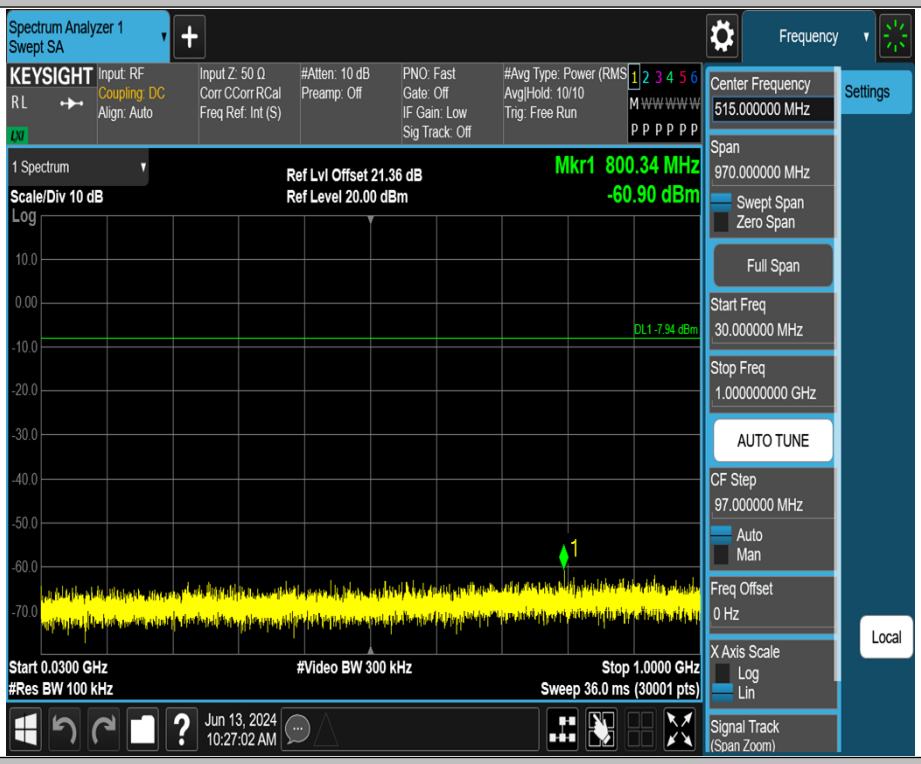


11B_Ant1_2412_1000~26500



11B_Ant2_2412_0~Reference

11B_Ant2_2412_30~1000



11B_Ant2_2412_1000~26500