

RF TEST REPORT

FCC ID: 2AGNTNESTRF6

Test Report No.....: RF251027002-01-003

Product(s) Name.....: OmniLink

Model(s).....: Nest RF-6

Trade Mark.....: AUTEL ROBOTICS

Applicant.....: Autel Robotics Co., Ltd.

Address.....: 601, 701, 801, 901, Block B1, Nanshan iPark, No. 1001 Xueyuan
Avenue, Nanshan District, Shenzhen, Guangdong, 518055, China

Receipt Date.....: 2025.10.07

Test Date.....: 2025.10.08~2025.10.28

Issued Date.....: 2025.10.31

Standards.....: 47 CFR FCC Part 15, Subpart E(Section 15.407);
ANSI C63.10:2020

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

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History of this test report

Original Report Issue Date: 2025.10.31

- No additional attachment
- Additional attachments were issued following record

Attachment No.	Issue Date	Description

1. General Information

1.1 Applicant

Autel Robotics Co., Ltd.

601, 701, 801, 901, Block B1, Nanshan iPark, No. 1001 Xueyuan Avenue, Nanshan District, Shenzhen, Guangdong, 518055, China

1.2 Manufacturer

Autel Robotics Co., Ltd.

601, 701, 801, 901, Block B1, Nanshan iPark, No. 1001 Xueyuan Avenue, Nanshan District, Shenzhen, Guangdong, 518055, China

1.3 Basic Description of Equipment Under Test

Sample No.	POC251027002-S001	
Product name	OmniLink	
Model name	Nest RF-6	
Trade mark	AUTEL ROBOTICS	
Power supply	DC 48V	
Operating Temperature	-30℃-60℃	
EUT Stage	○ Product Unit	● Final-Sample
Operating Band & Max Conducted Output Power	5150MHz~5250MHz 5725MHz~5850MHz	For module1 5150MHz~5250MHz: QPSK 10M MIMO 17.69dBm 5725MHz~5850MHz: QPSK 5M MIMO 19.82dBm For module2 5150MHz~5250MHz: QPSK 10M MIMO 17.76dBm 5725MHz~5850MHz: 16QAM 5M MIMO 19.52dBm
Product Type	image transmission	
Nominal Bandwidth	1.4MHz/3MHz/5MHz/10MHz/20MHz	
Modulation	QPSK, 16QAM	
Data Rate(bps)	1.4MHz: 120kbps 3MHz: 120kbps 5MHz: 11Mbps 10MHz: 19Mbps 20MHz: 38Mbps	

Antenna gain	Module 1:CP0 5150MHz~5250MHz ANT 1: 3.6 dBi; ANT 2: 3.6 dBi 5725MHz~5850MHz ANT 1: 4.7dBi; ANT 2: 4.7dBi Module 2:CP1 5150MHz~5250MHz ANT 1: 3.5 dBi; ANT 2: 3.5 dBi 5725MHz~5850MHz ANT 1: 4.9dBi; ANT 2: 4.9dBi 5.2G Directional Gain: 6.61dBi 5.8G Directional Gain: 7.71dBi
Antenna type	Integrated antenna

Channels

5.2G 1.4MHz: 93channels

Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	5154	48	5201
2	5155		
.....			
.....		92	5245
47	5200	93	5246

5.2G 3MHz: 91channels

Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	5155	47	5201
2	5156		
.....			
.....		90	5244
46	5200	91	5245

5.2G 5MHz: 89channels

Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	5156	46	5201
2	5157		
.....			
.....		88	5243
45	5200	89	5244

5.2G 10MHz: 87channels

Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	5157	45	5201
2	5158		
.....			
.....		86	5242
44	5200	87	5243

5.2G 20MHz: 67channels

Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	5167	35	5201
2	5168		
.....			
.....		66	5232
34	5200	67	5233

5.8G 1.4MHz: 120channels

Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	5728	62	5789
2	5729		
.....			
.....		119	5846
61	5788	120	5847

5.8G 3MHz: 118channels

Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	5729	61	5789
2	5730		
.....			
.....		117	5845
60	5788	118	5846

5.8G 5MHz: 116channels

Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	5730	59	5788
2	5731		
.....			
.....		115	5844
58	5787	116	5845

5.8G 10MHz: 110channels

Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	5733	57	5789
2	5734		
.....			
.....		109	5841
56	5788	110	5842

5.8G 20MHz: 102channels

Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	5738	53	5790
2	5739		
.....			
.....		101	5838
52	5789	102	5839

For 5.2G

Bandwidth	Frequency(MHz)		
	Lowest channel	Middle channel	Highest channel
1.4MHz	5154	5201	5246
3MHz	5155	5201	5245
5MHz	5156	5201	5244
10MHz	5157	5201	5243
20MHz	5167	5201	5233

For 5.8G

Bandwidth	Frequency(MHz)		
	Lowest channel	Middle channel	Highest channel
1.4MHz	5728	5789	5847
3MHz	5729	5789	5846
5MHz	5730	5788	5845
10MHz	5733	5789	5842
20MHz	5738	5790	5839

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
☒	1.4MHz	Operating mode	☐	1TX	☒	2TX	☐	3TX	☐	4TX
☒	3MHz	Operating mode	☐	1TX	☒	2TX	☐	3TX	☐	4TX
☒	5MHz	Operating mode	☐	1TX	☒	2TX	☐	3TX	☐	4TX
☒	10MHz	Operating mode	☐	1TX	☒	2TX	☐	3TX	☐	4TX
☒	20MHz	Operating mode	☐	1TX	☒	2TX	☐	3TX	☐	4TX

2. Summary of Test Results

2.1 Summary of Test Items

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Test item	Standard	Results	Remarks
AC Power Conducted Emission	15.207 15.407(b)	-	Note 2
Radiated Emission	15.205(a) 15.209(a) 15.407(b)	Pass	Meet the requirement of the limit
Antenna Requirements	15.203	Compliance	Note
Spectrum Bandwidth	15.407(a) 15.407(e)	Pass	Meet the requirement of the limit
Conducted Output Power	15.407(a)	Pass	Meet the requirement of the limit
Power Spectral Density	15.407(a)	Pass	Meet the requirement of the limit
Dynamic Frequency Selection (DFS)	15.407(h)	N/A	/
Note: 1. The EUT has two integrated antenna arrangement which was permanently attached. 2. The EUT is powered by 48V DC. There is no need to test this item.			

2.2 Application of Standard

47 CFR FCC Part 15, Subpart E

KDB 662911 D01 Multiple Transmitter Output v02r01

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

ANSI C63.10: 2020

2.3 Test Instruments

Radiated Emissions							
No.	Equipment	Manufacturer	Type No.	Serial No.	Inventory No.	Cal. date (yyyy/mm/dd)	Cal. Due date (yyyy/mm/dd)
1	Test receiver	Rohde&Schwarz	ESU	100184	JLE011	2025/3/1	2026/2/28
2	Log periodic antenna	Schwarzbeck	VULB 9168	1151	JLE012	2025/4/12	2026/4/11
3	Low frequency amplifier	/	LNA 0920N	2014	JLE023	2025/3/1	2026/2/28
4	High frequency amplifier	Schwarzbeck	BBV 9718	9718-284	JLE024	2025/3/1	2026/2/28
5	Horn Antenna	SCHWARZBEC K	BBHA 9120 D	02670	JLE028	2025/4/12	2026/4/11
6	Temp&Humid ity Recorder	Meideshi	JR900	/	JLE021	2025/4/15	2026/4/14
7	Horn Antenna	SCHWARZBEC K	BBHA 9170	9170#685	JLE029	2024/7/15	2027/7/14
8	Loop Antenna	SCHWARZBEC K	FMZB15 19B	00029	JLE030	2024/7/15	2027/7/14
9	Broadband preamplifier	Schwarzbeck	BBV9721	9721-019	JLE025	2025/3/1	2026/2/28
10	Test software	Farad Technology Co., Ltd	EZ-EMC Ver.TW-03A2				
RF Conducted Emission							
1	MXA Signal Analyzer	Keysight	N9021B	MY60080 169	JLE050	2025/3/1	2026/2/28
2	RF Control Unit	dsusoft	JS0806-2	21G8060 449	JLE053	2025/3/1	2026/2/28
3	power supply unit	dsusoft	JS0806-4 ADC	N/A	JLE055	2025/3/1	2026/2/28
4	VXG Signal Generator	Keysight	N5182B	MY59100 855	JLE068	2025/4/15	2026/4/14
5	EXG Analog Signal Generator	Keysight	N5173B	MY59101 282	JLE052	2025/3/1	2026/2/28
6	Wideband Radio Communicati on Tester	Rohde&Schwarz	CMW500	1201.000 2K50-116 064-Dt	JLE054	2025/3/1	2026/2/28
7	Test software	dsusoft	JS1120-3 Ver.3.2.22.0				

2.4 Operation 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

Test Item	Environmental conditions	Input Power	Tested by
Radiated Emission	23.3°C, 49% RH	DC 48V	Freedom Zhuo
Spectrum Bandwidth	23.4°C, 51% RH	DC 48V	Albert Fan
Conducted Power	23.4°C, 51% RH	DC 48V	Albert Fan
Power Spectral Density	23.4°C, 51% RH	DC 48V	Albert Fan

Note:

The applicant declare the operating environment of EUT as below:

Normal conditions: 48V DC, -30°C-60°C

2.6 Duty Cycle of Test Signal

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

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

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

Measurement Data: The detailed test data see Appendix III

2.7 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor ($k=2$))

Uncertainty	
Parameter	Uncertainty
Occupied Channel Bandwidth	$\pm 102\text{kHz}$
Power Spectral Density	$\pm 0.243\text{dB}$
Conducted Spurious Emission	$\pm 0.743\text{dB}$
RF power conducted	$\pm 1.328\text{dB}$
Conducted emission(9kHz~30MHz) AC main	$\pm 2.68\text{dB}$
Radiated emission(9kHz~30MHz)	$\pm 3.50\text{dB}$
Radiated emission (30MHz~1GHz)	$\pm 4.20\text{dB}$
Radiated emission (1GHz~18GHz)	$\pm 5.10\text{dB}$
Radiated emission (18GHz~40GHz)	$\pm 5.26\text{dB}$

2.8 Test Location

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

2.9 SUPPORT UNITS

No.	Equipment	Model	Manufacturer	Series No
1	PC	R490	ThinkPad	-

3. Test Procedure And Results

3.1 AC Power Line Conducted Emission

3.1.1 Limit

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

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

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

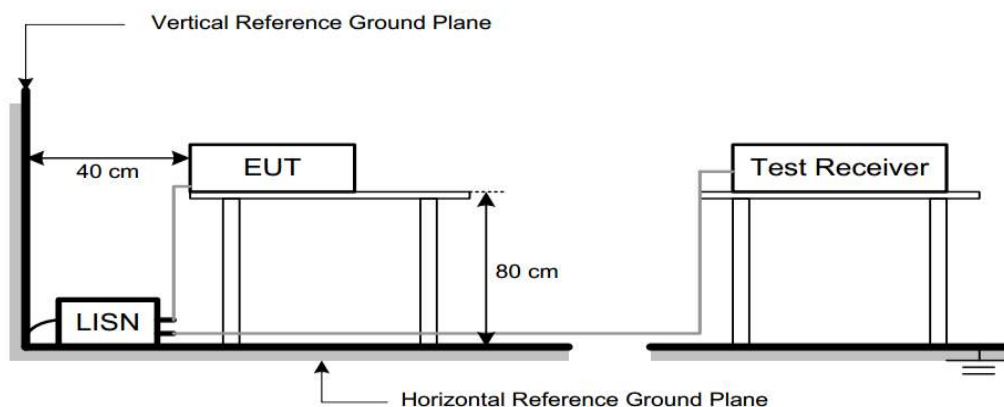
3.1.2 Test Procedure

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

Note: ●:Test ○:No Test

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

3.1.3 Test Setup



3.1.4 Test Result

Note: The EUT is powered by 48V DC. There is no need to test this item.

3.2 Radiated Emission

3.2.1 Limit

1) Limit of radiated emission measurement:

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

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

Note: (1) Emission level $\text{dB}\mu\text{V} = 20 \log$ Emission level $\mu\text{V/m}$

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

2) Limit of unwanted emission out of the restricted bands:

Frequency(MHz)	EIRP Limit(dBm/MHz)	Equivalent Field Strength at 3m($\text{dB}\mu\text{V/m}$)
5150-5250	-27	68.2
5250-5350	-27	68.2
5470-5725	-27	68.2
5725-5850	-27 NOTE (2)	68.2
	10 NOTE (2)	105.2
	15.6 NOTE (2)	110.8
	27 NOTE (2)	122.2

Note: (1) The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength: $E[\text{dB}\mu\text{V/m}] = \text{EIRP}[\text{dBm}] + 95.2$, for $d=3\text{m}$

(2) According to 15.407(b)(4)(i), all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

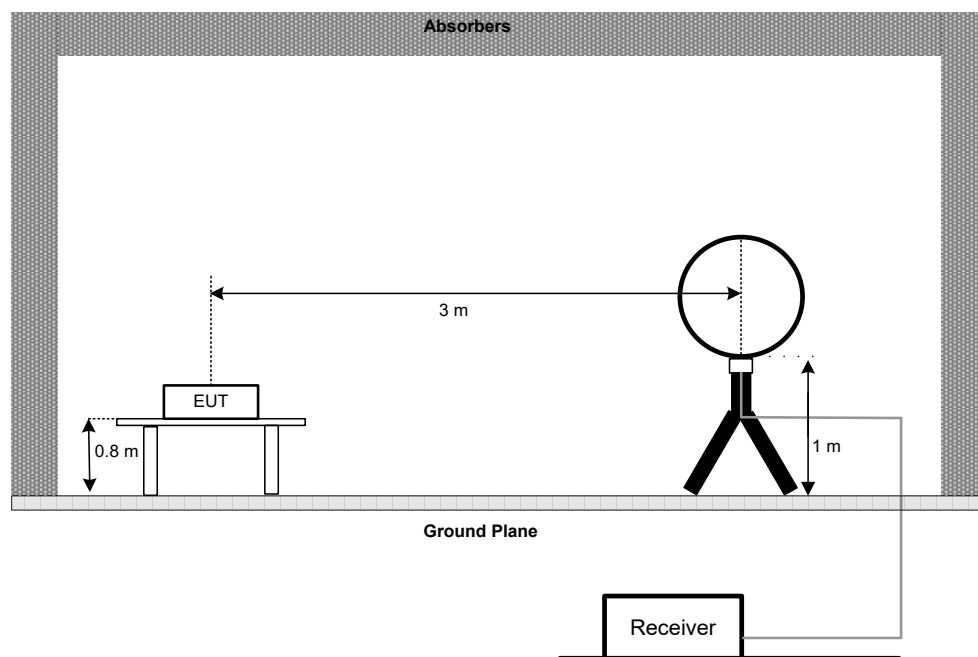
3.2.2 Test Procedure

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	

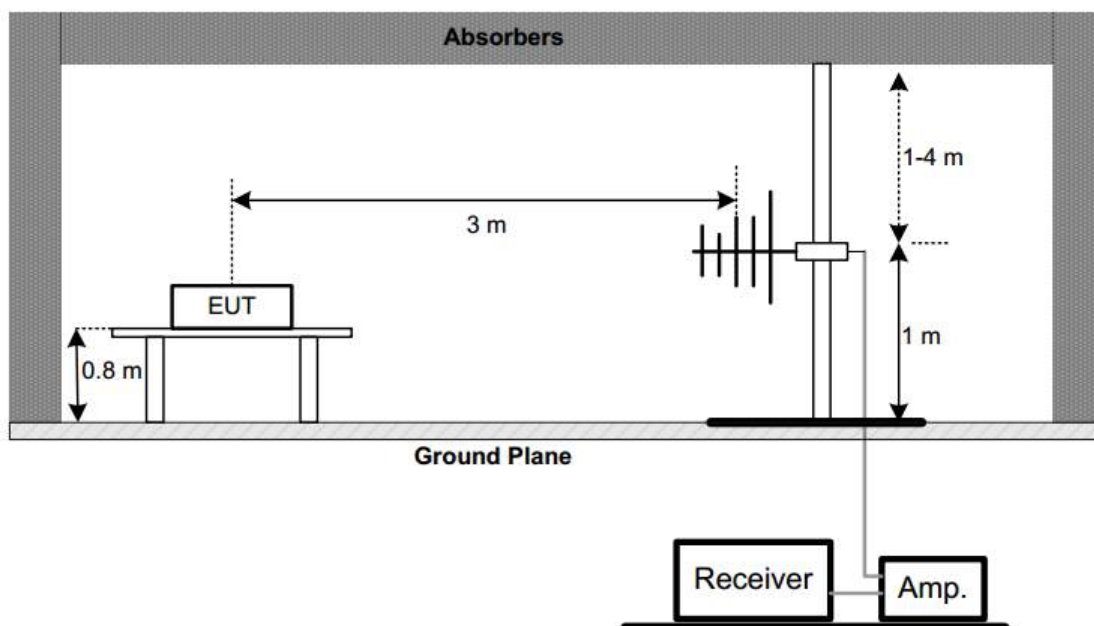
- a) The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- b) The measuring distance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

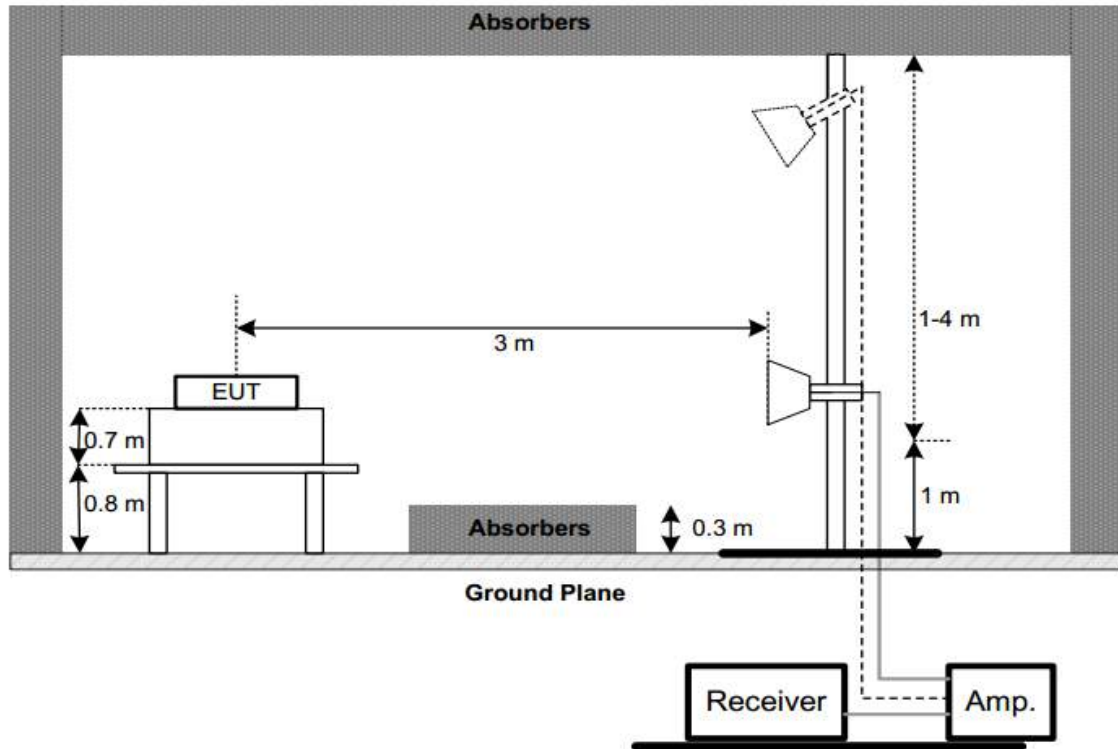
(A) Radiated Emission Test Set-Up Frequency Below 30 MHz



(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-1GHz

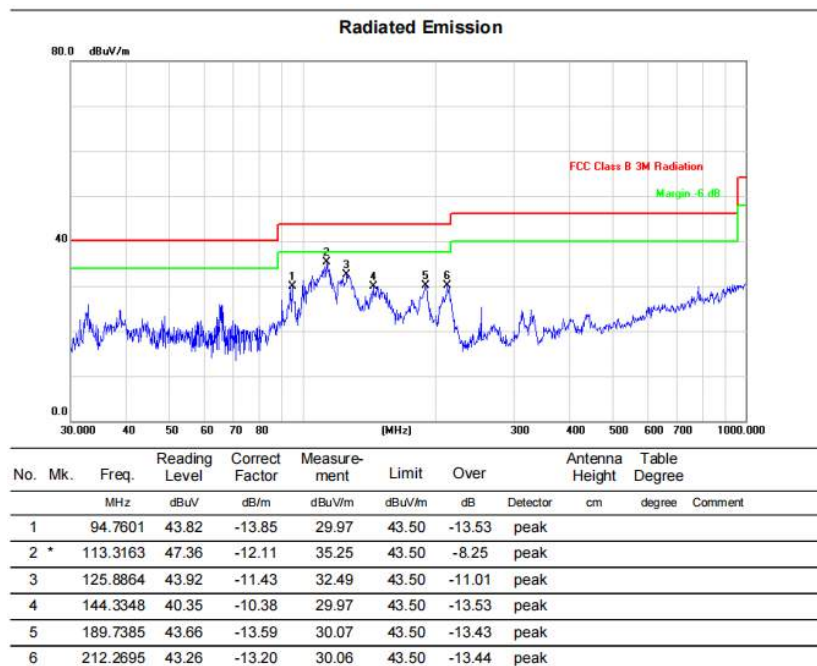
Note:

1. Measurement = Reading + Correct Factor.
2. Over = Measurement – Limit
3. We only recorded the data of the worst mode. Please see the following:

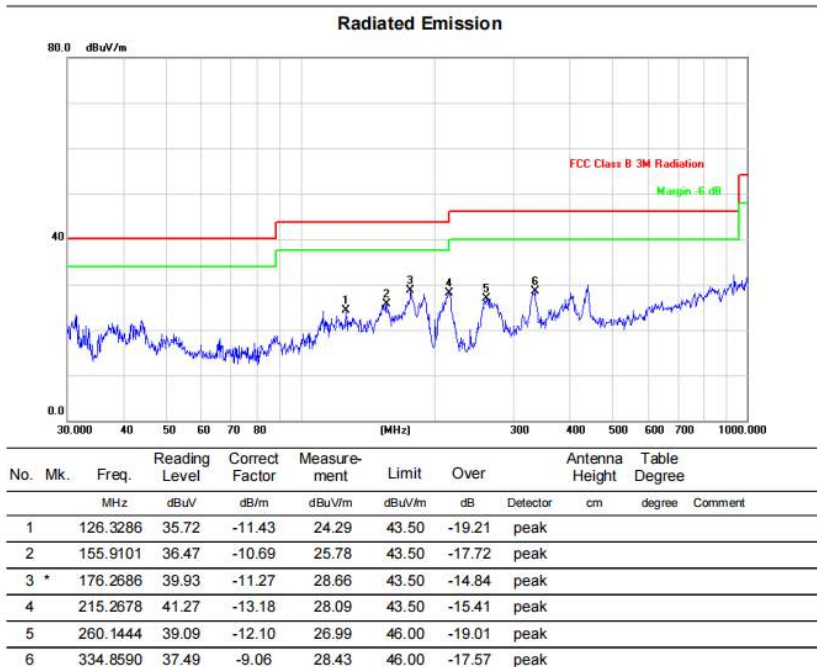
Below 1GHz (30MHz~1GHz)

5.8G 1.4MHz Mode Channel 1

VERTICAL



HORIZONTAL



3) Radiated emission: Above 1GHz

Note:

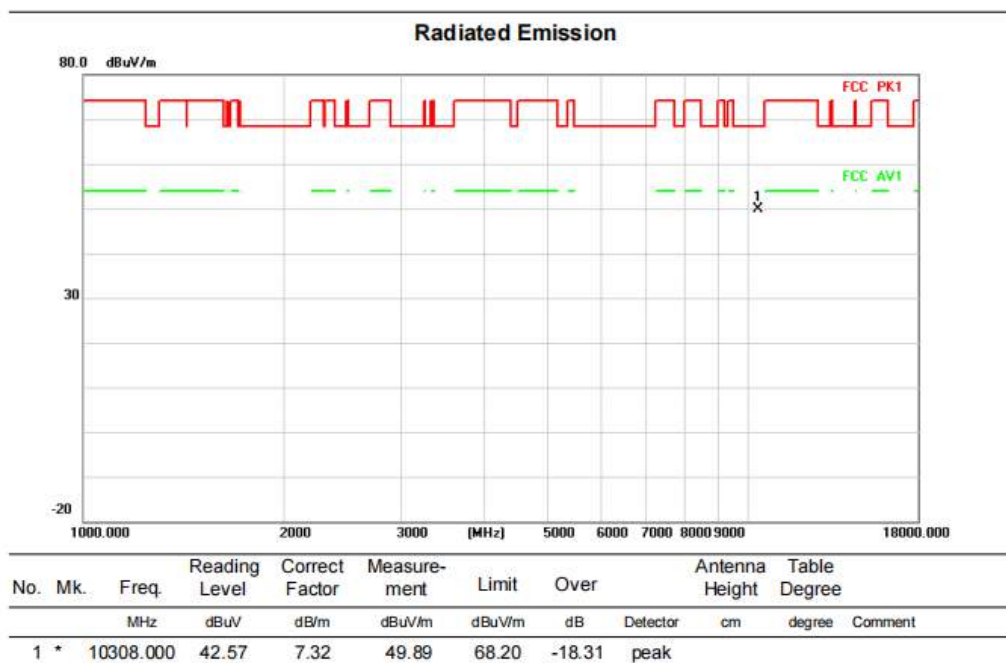
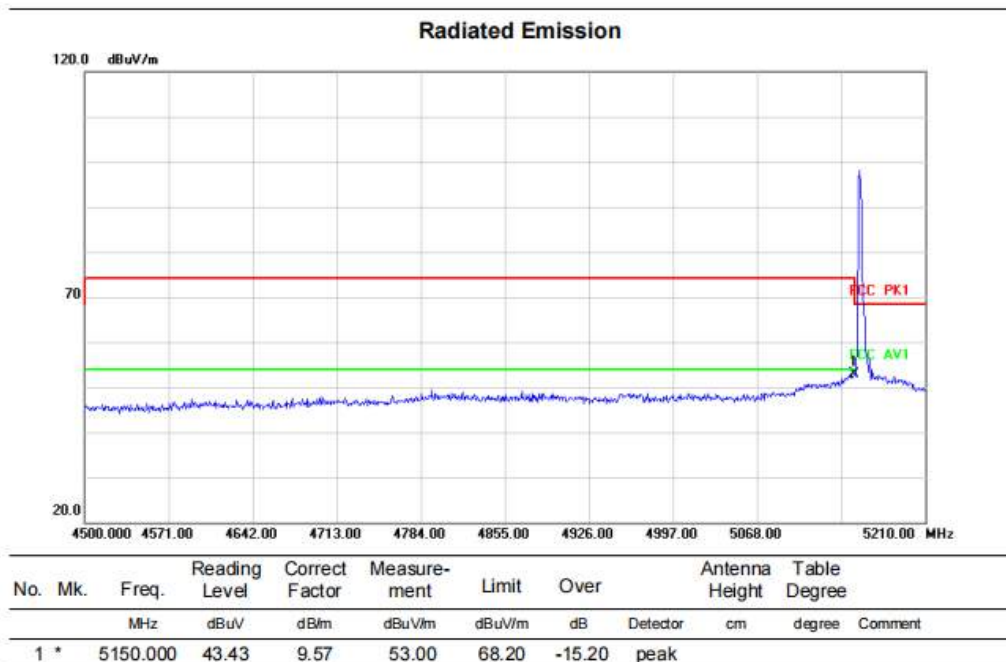
1. Measurement = Reading + Correct Factor.
2. Over = Measurement – Limit

Module 1 CP0:

For 5.2G:

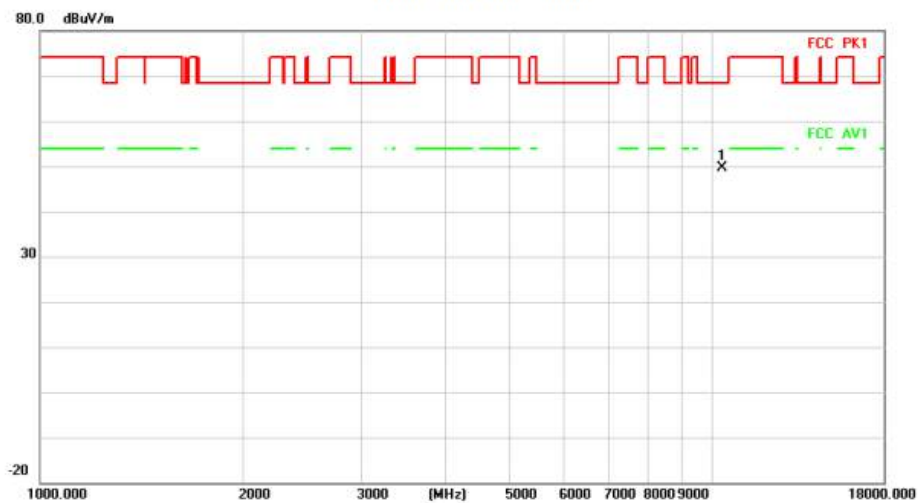
Above 1GHz (1GHz~18GHz)	Test mode:1.4MHz-MIMO	Test Channel:1
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VERTICAL



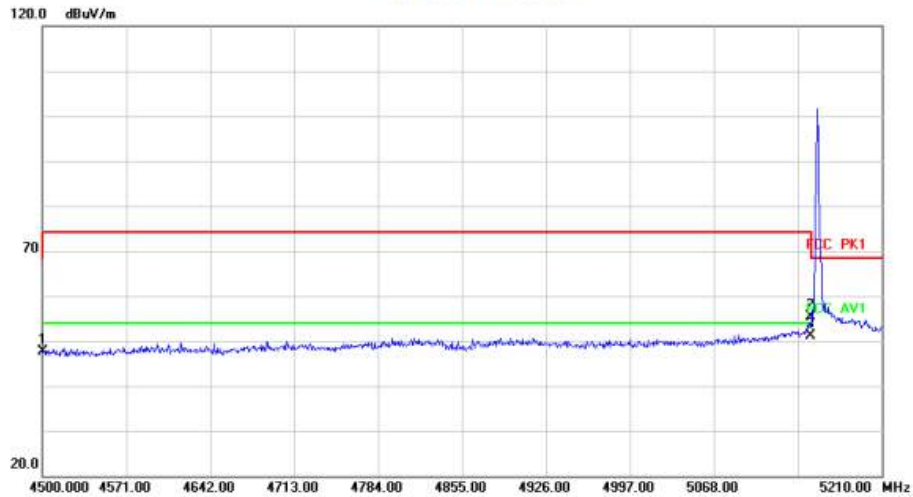
HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	10308.000	42.42	7.32	49.74	68.20	-18.46	peak		

Radiated Emission



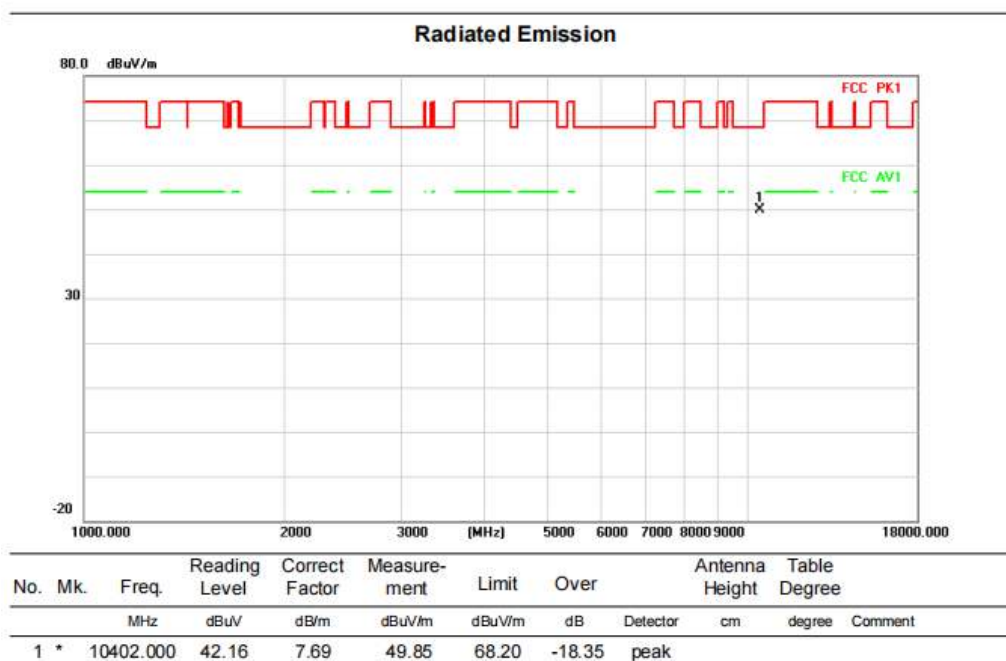
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		4500.000	40.26	7.37	47.63	68.20	-20.57	peak		
2		5150.000	45.80	9.57	55.37	68.20	-12.83	peak		
3	*	5150.000	41.49	9.57	51.06	54.00	-2.94	AVG		

Above 1GHz (1GHz~18GHz)

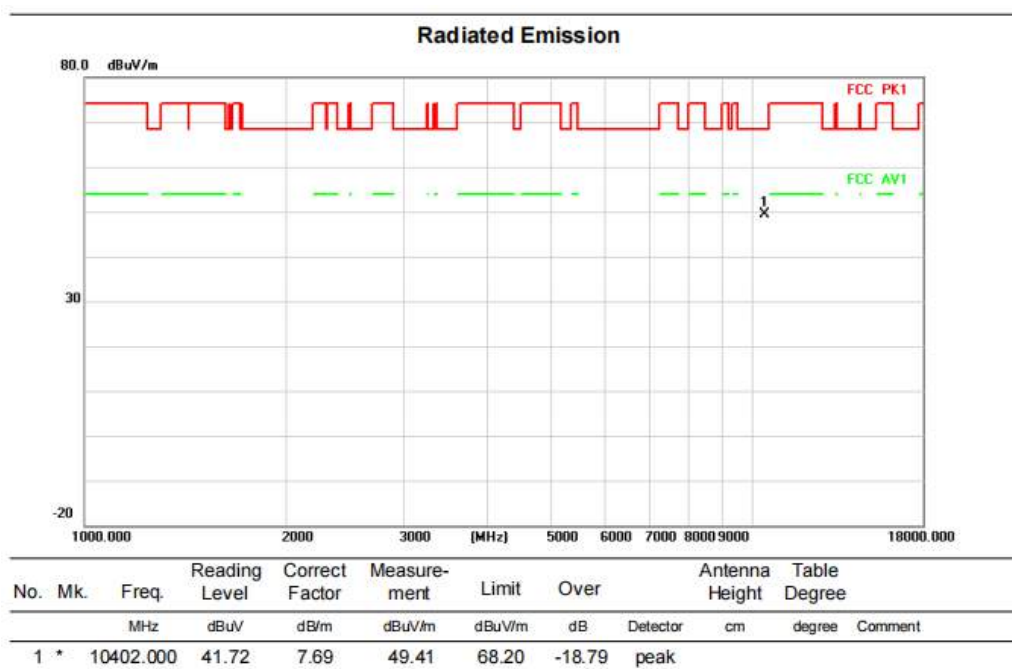
Test mode: 1.4MHz-MIMO

Test Channel:48

VERTICAL



HORIZONTAL

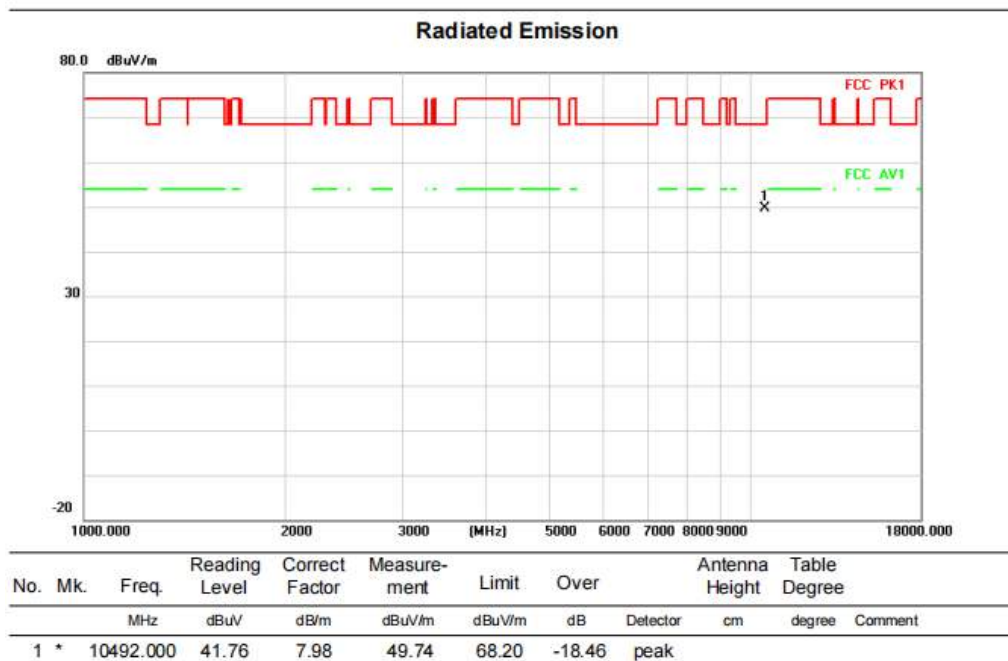


Above 1GHz (1GHz~18GHz)

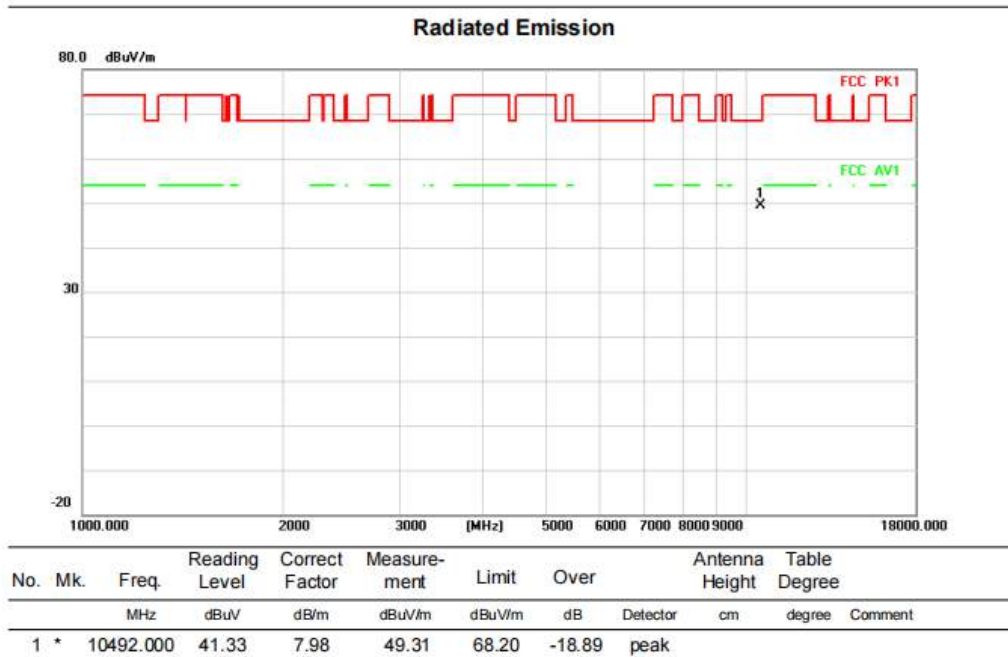
Test mode: 1.4MHz-MIMO

Test Channel:93

VERTICAL



HORIZONTAL

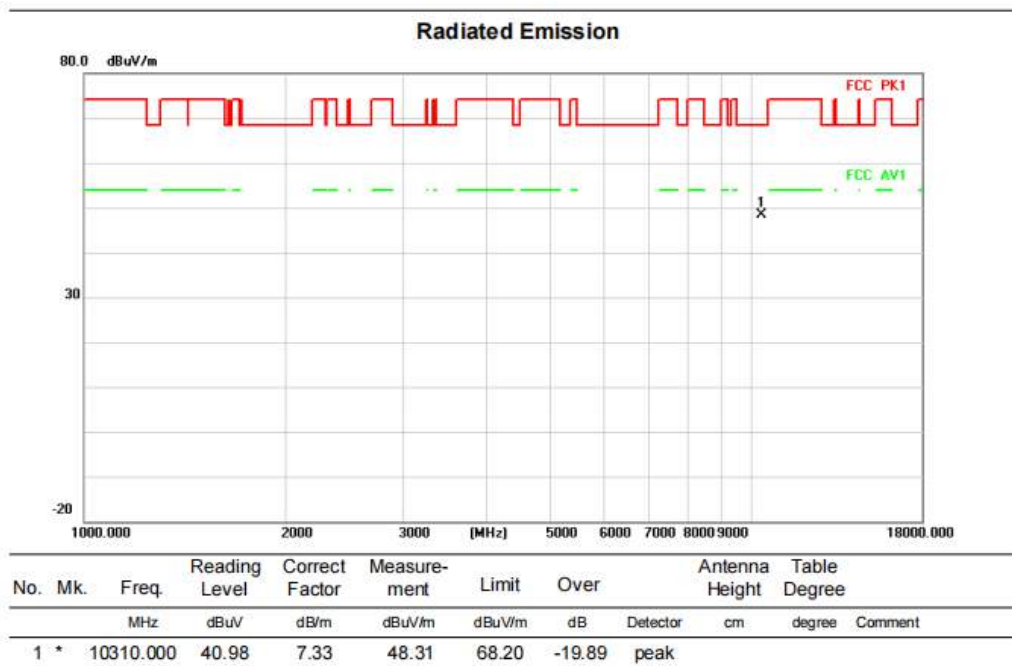
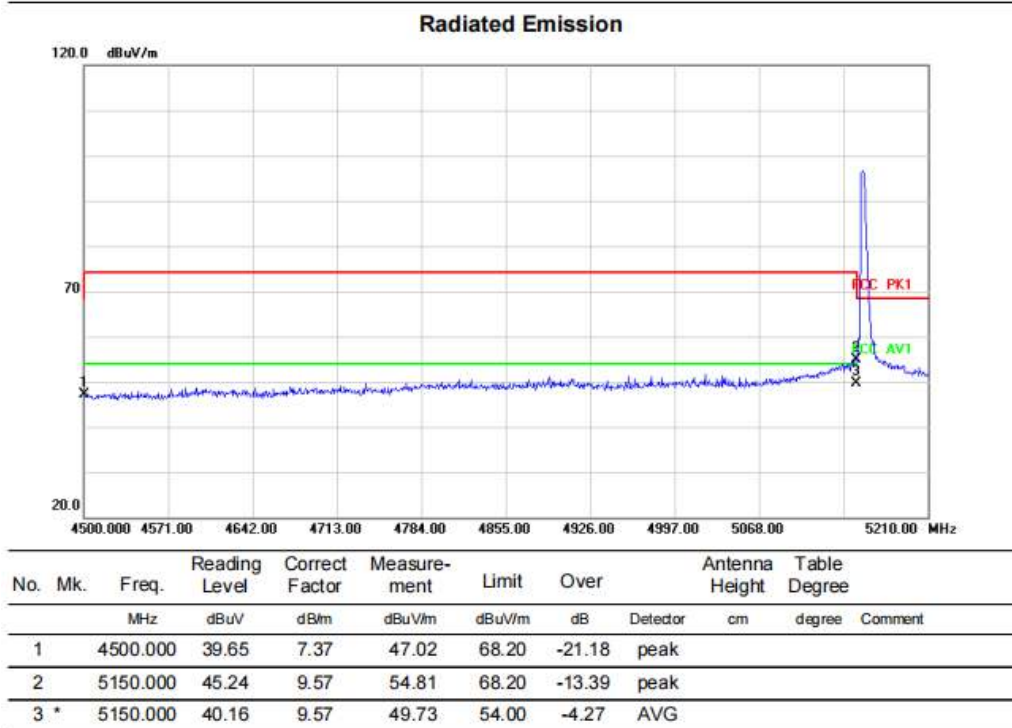


Above 1GHz (1GHz~18GHz)

Test mode: 3MHz-MIMO

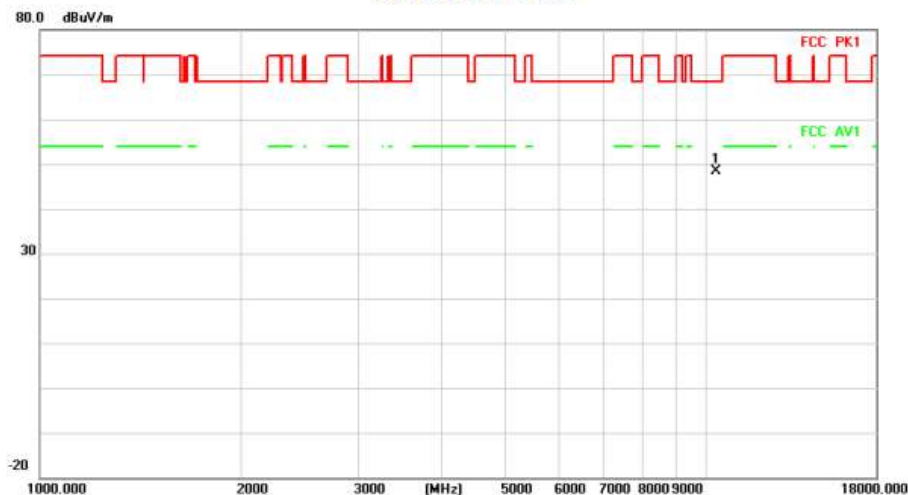
Test Channel:1

VERTICAL



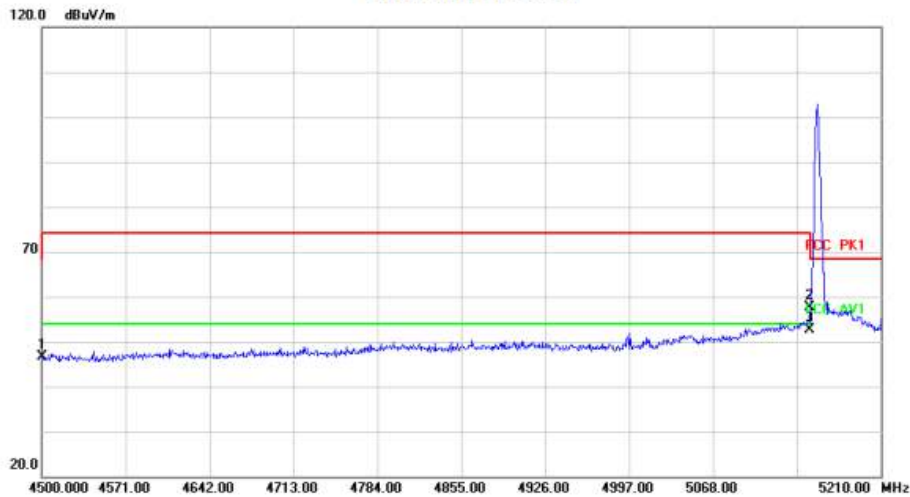
HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	10310.000	40.95	7.33	48.28	68.20	-19.92 peak		

Radiated Emission



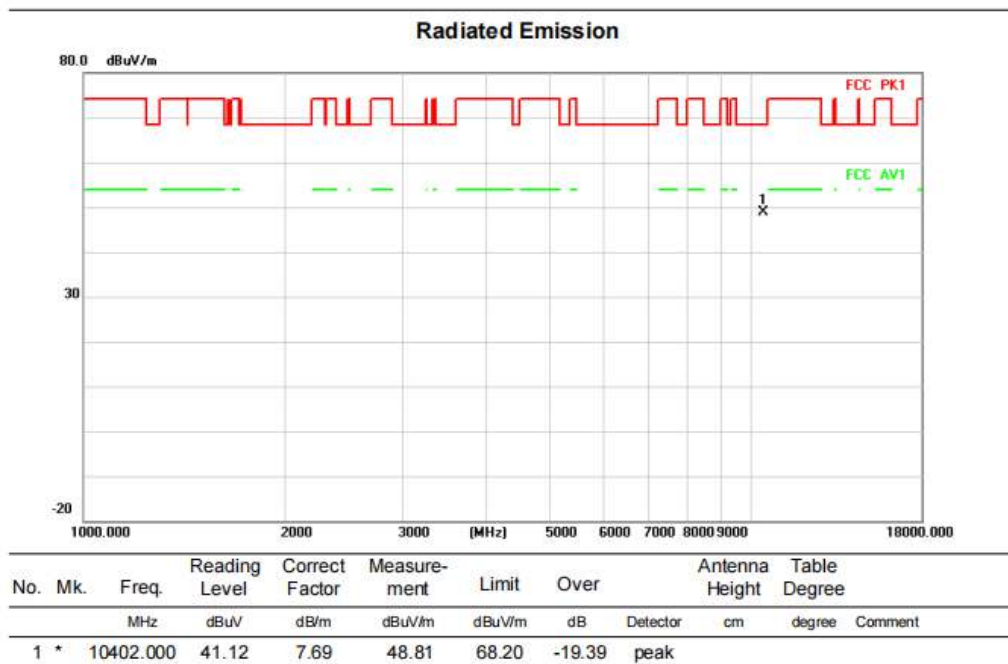
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1		4500.000	39.33	7.37	46.70	68.20	-21.50 peak		
2		5150.000	48.12	9.57	57.69	68.20	-10.51 peak		
3	*	5150.000	43.11	9.57	52.68	54.00	-1.32 AVG		

Above 1GHz (1GHz~18GHz)

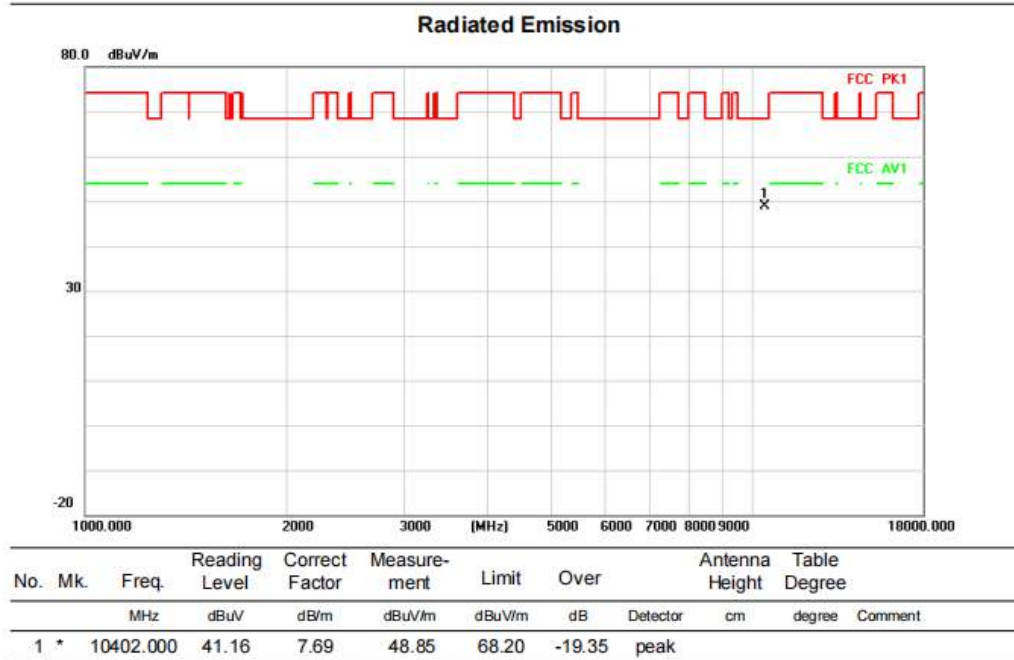
Test mode: 3MHz-MIMO

Test Channel:47

VERTICAL



HORIZONTAL

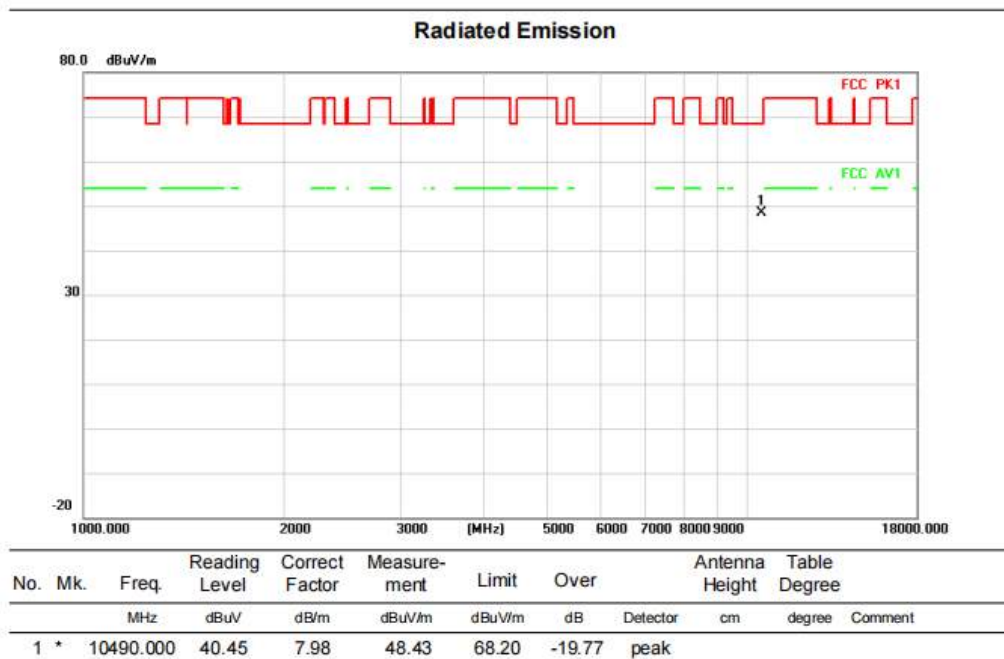


Above 1GHz (1GHz~18GHz)

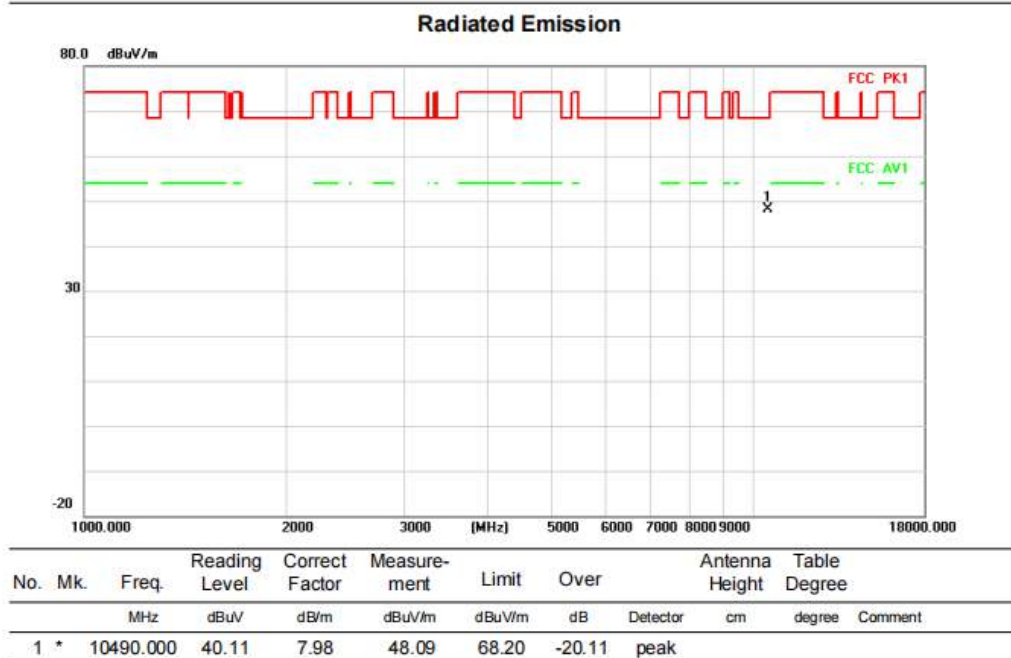
Test mode: 3MHz-MIMO

Test Channel:91

VERTICAL



HORIZONTAL

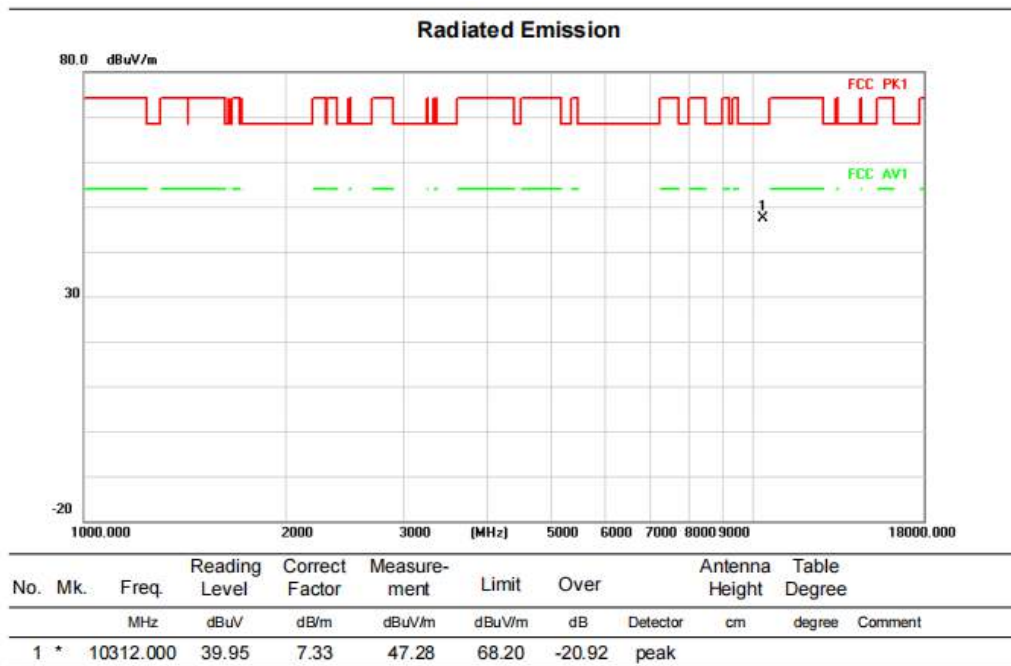
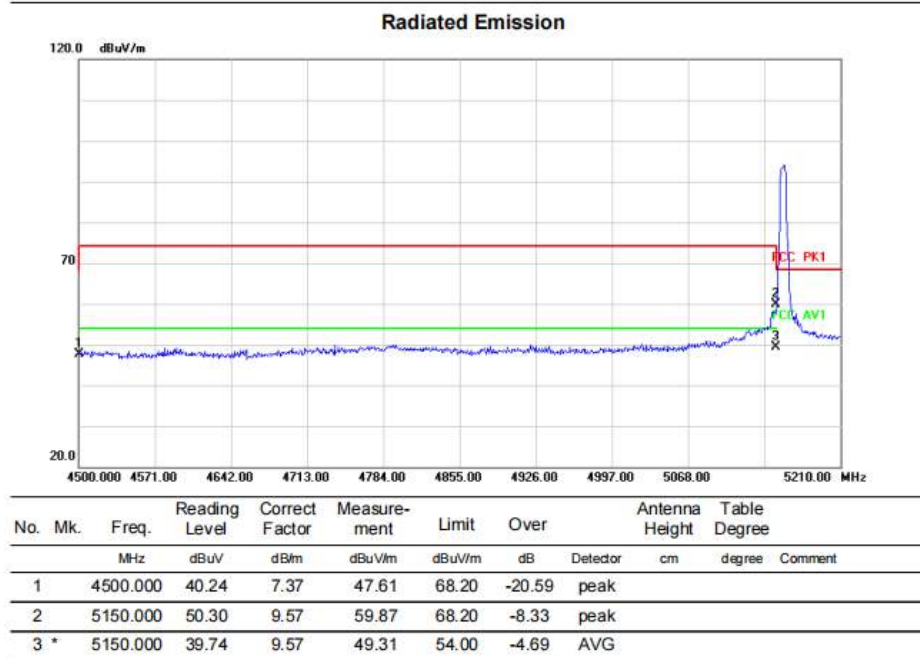


Above 1GHz (1GHz~18GHz)

Test mode: 5MHz-MIMO

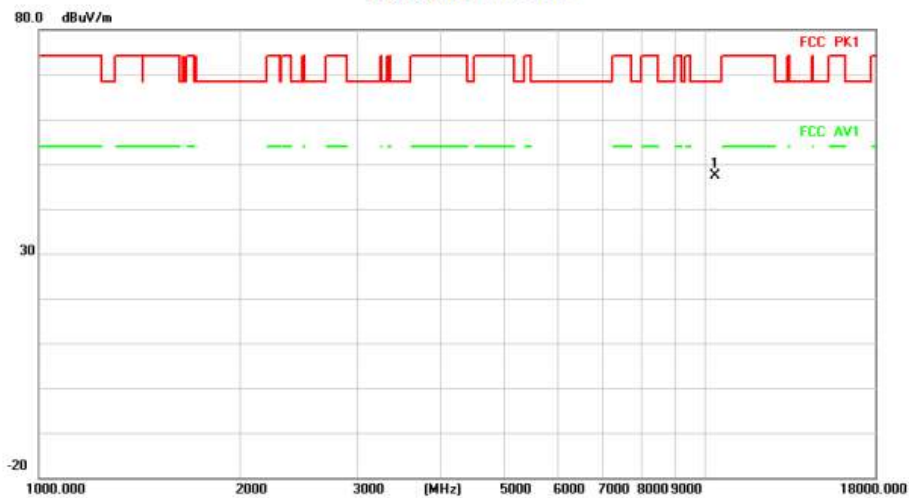
Test Channel:1

VERTICAL



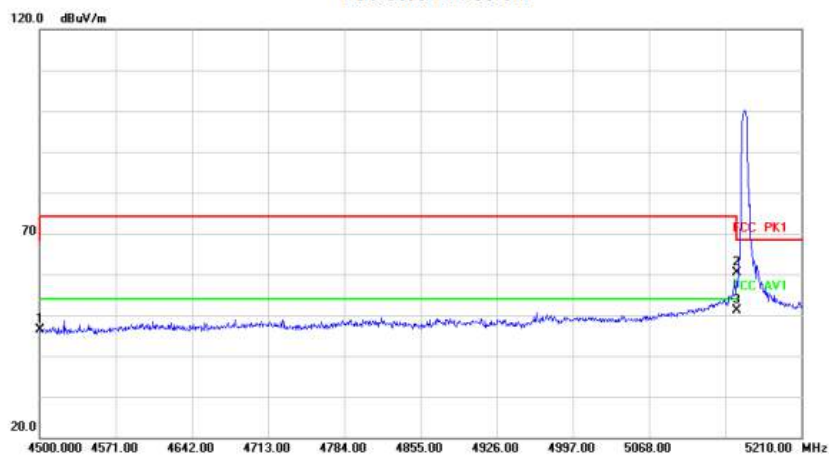
HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dBm	dBuV/m	dBuV/m	dB	cm	degree
1	*	10312.000	40.05	7.33	47.38	68.20	-20.82	peak	

Radiated Emission



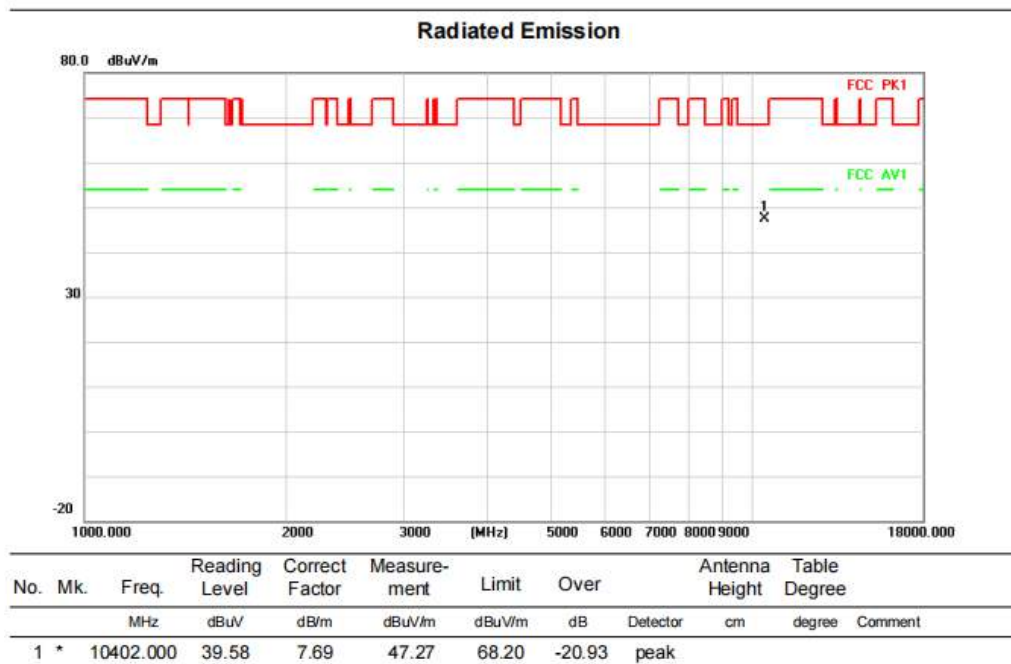
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dBm	dBuV/m	dBuV/m	dB	cm	degree
1		4500.000	39.05	7.37	46.42	68.20	-21.78	peak	
2		5150.000	50.70	9.57	60.27	68.20	-7.93	peak	
3	*	5150.000	41.51	9.57	51.08	54.00	-2.92	AVG	

Above 1GHz (1GHz~18GHz)

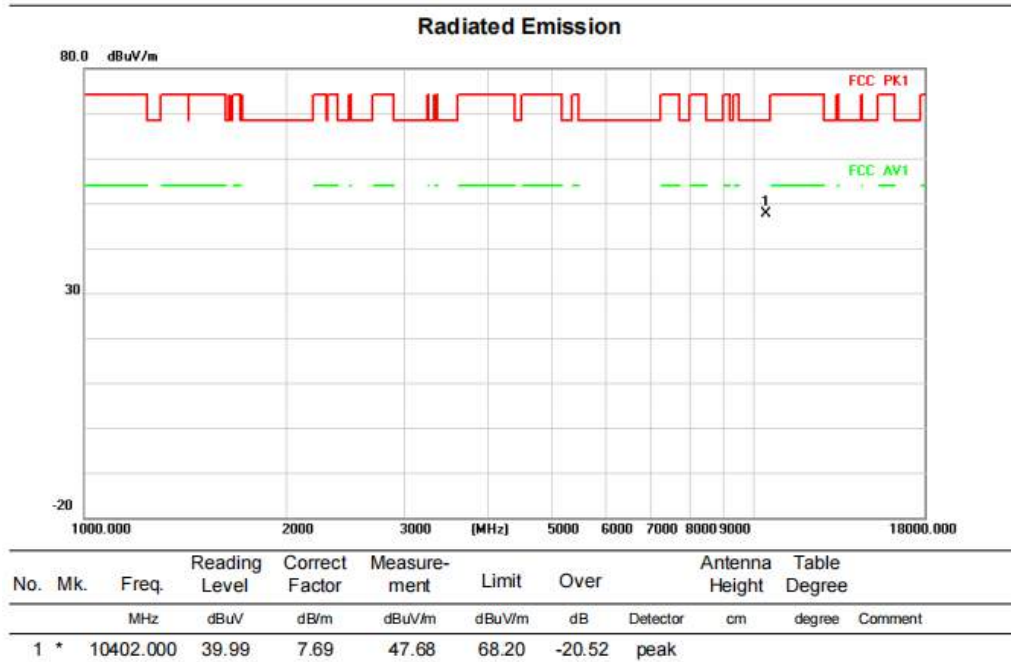
Test mode: 5MHz-MIMO

Test Channel:46

VERTICAL



HORIZONTAL

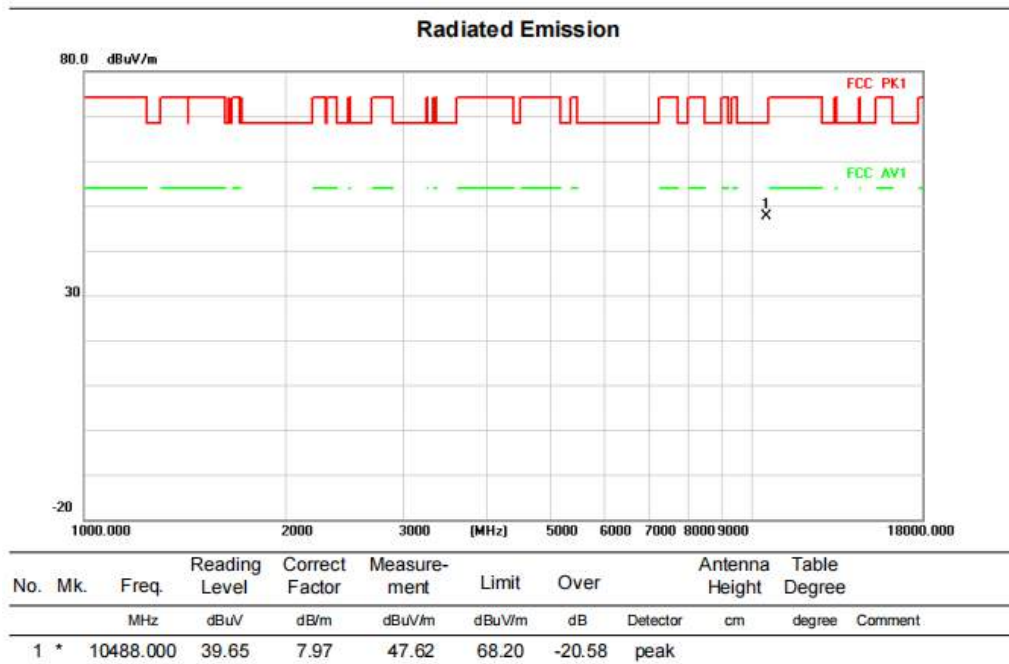


Above 1GHz (1GHz~18GHz)

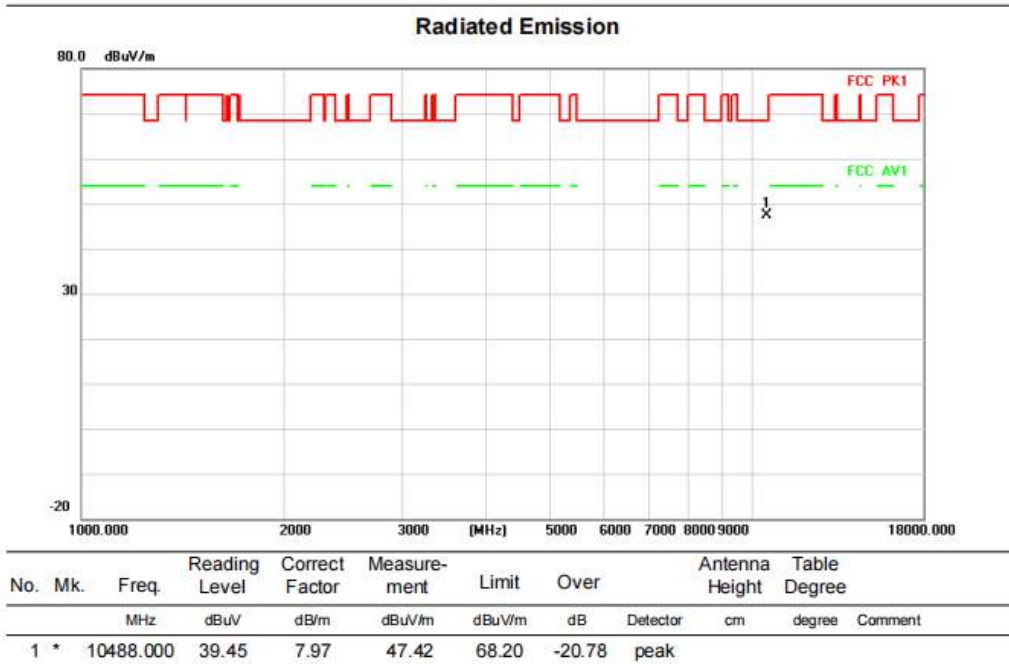
Test mode: 5MHz-MIMO

Test Channel:89

VERTICAL



HORIZONTAL

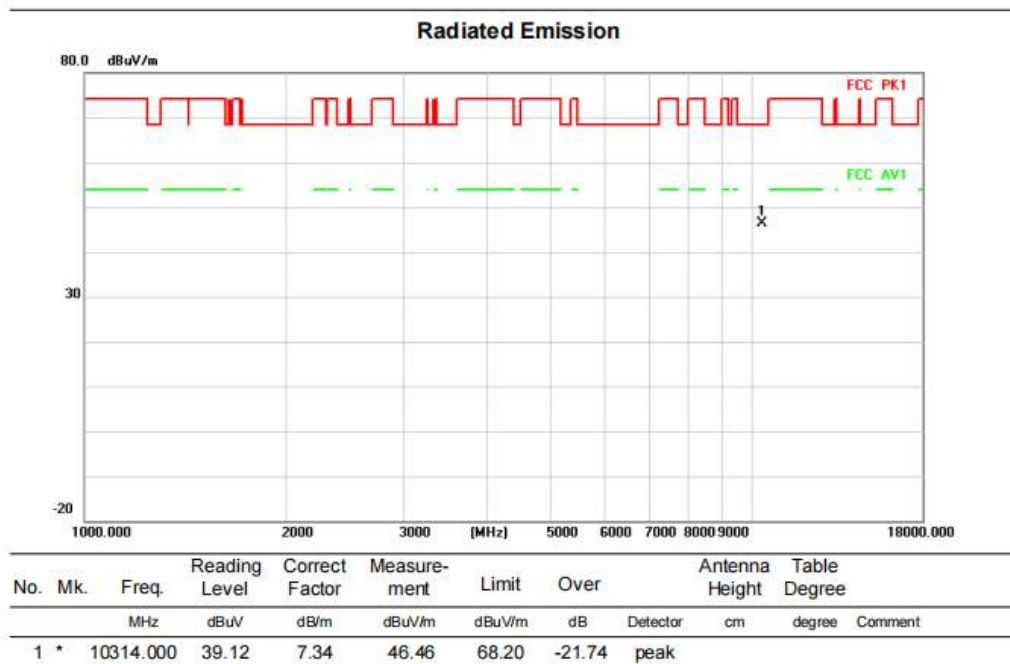
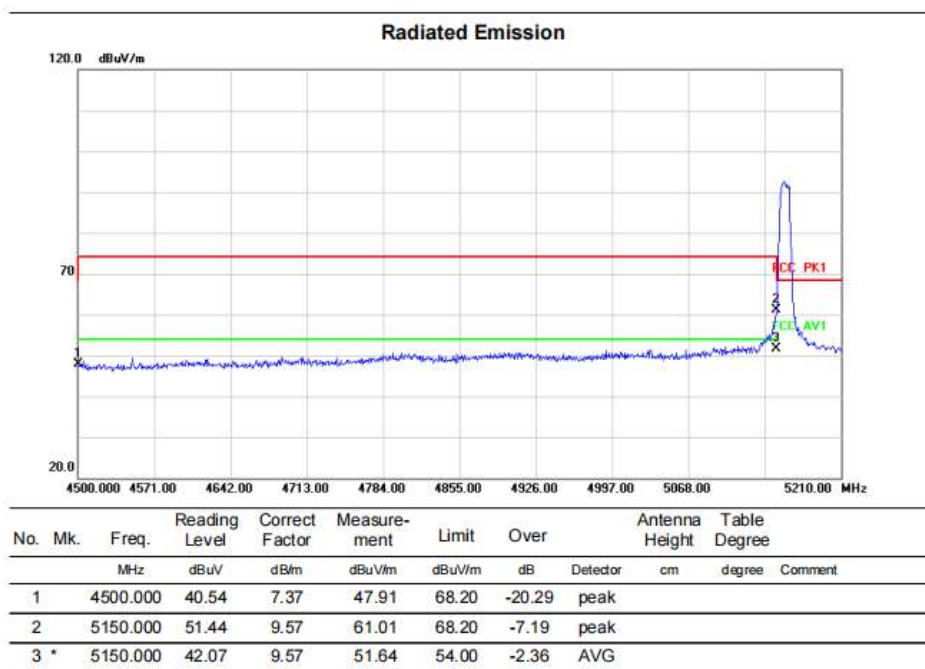


Above 1GHz (1GHz~18GHz)

Test mode: 10MHz-MIMO

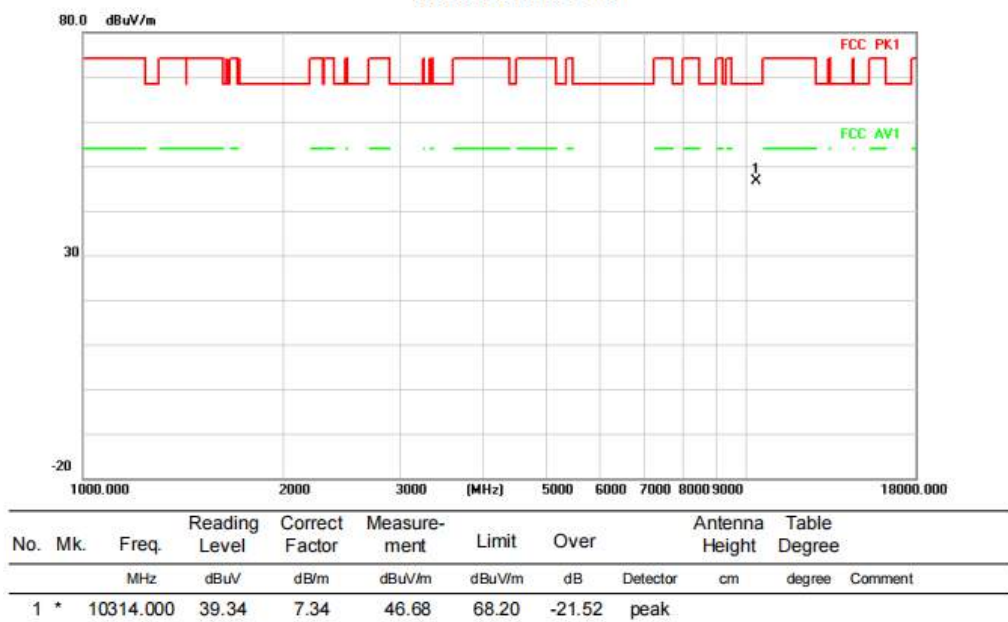
Test Channel:1

VERTICAL

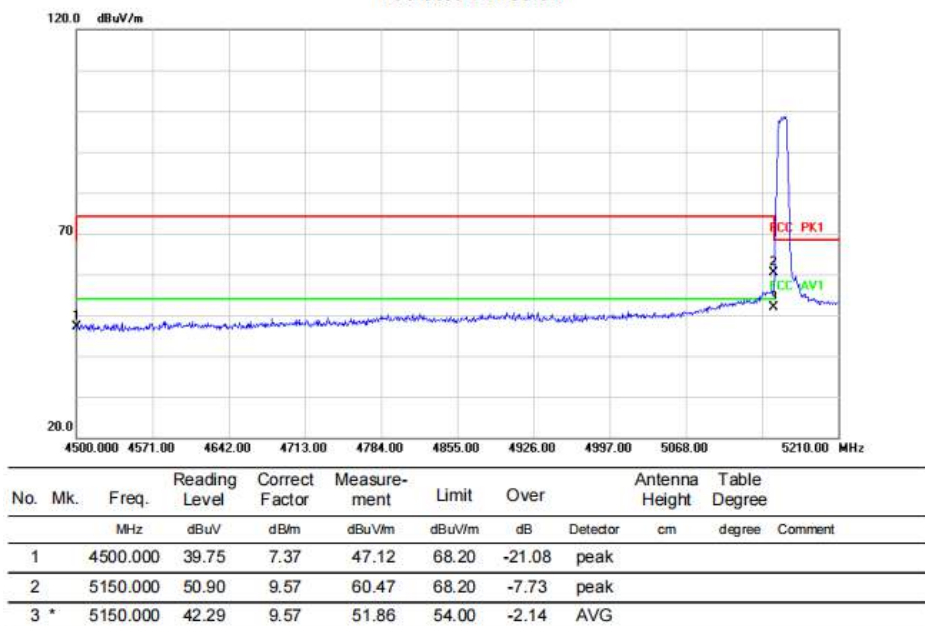


HORIZONTAL

Radiated Emission



Radiated Emission

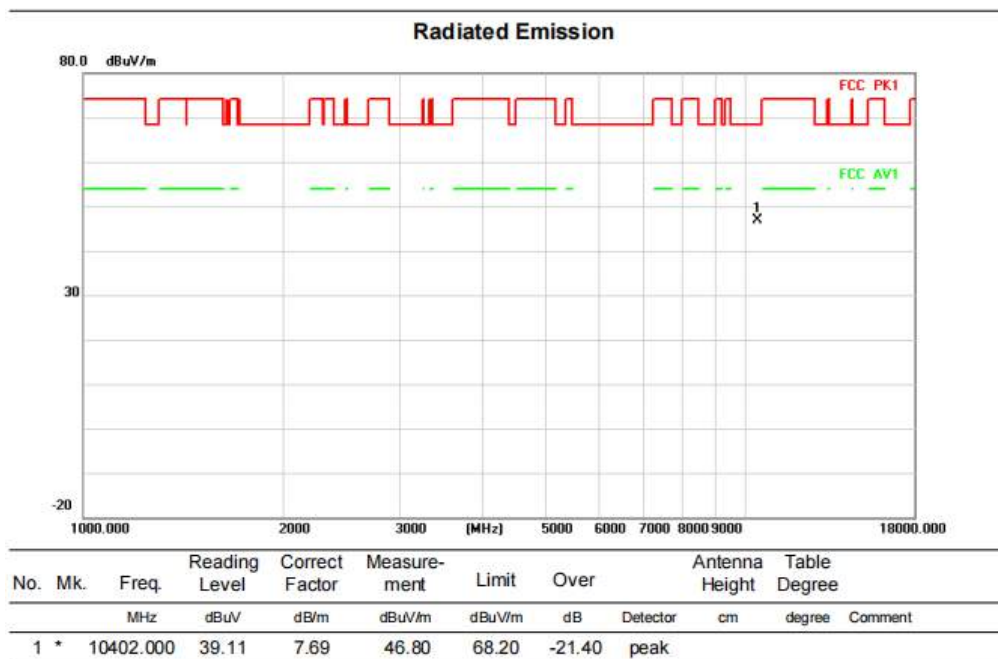


Above 1GHz (1GHz~18GHz)

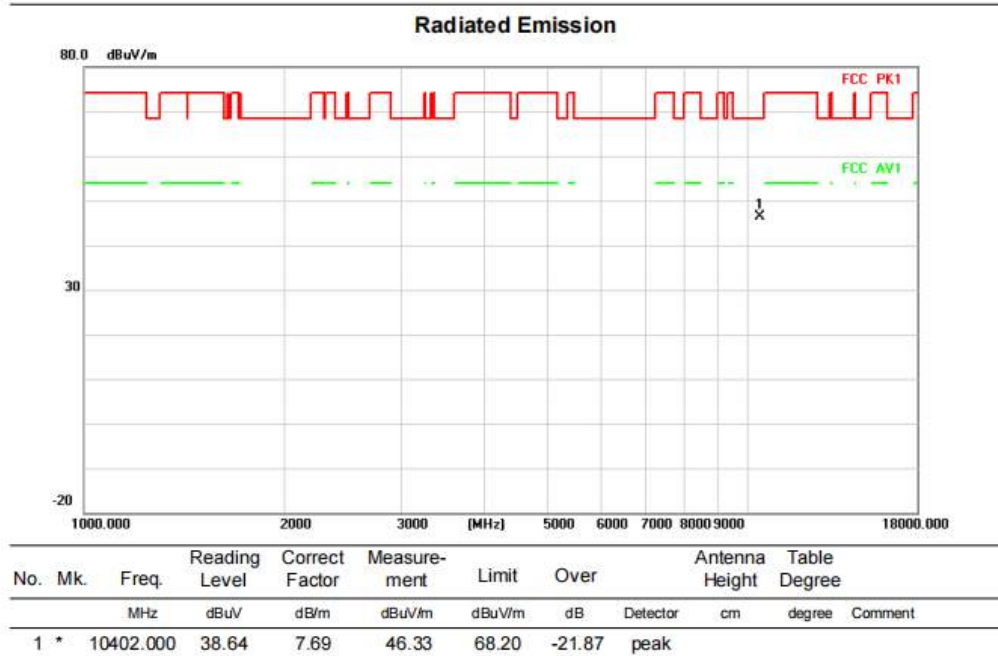
Test mode: 10MHz-MIMO

Test Channel:45

VERTICAL



HORIZONTAL

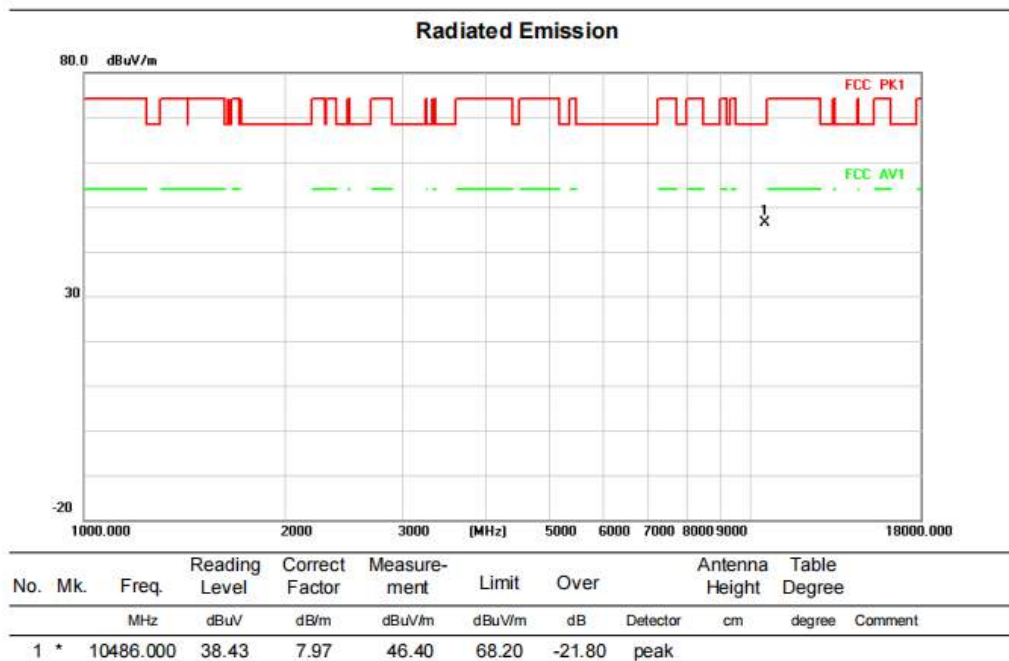


Above 1GHz (1GHz~18GHz)

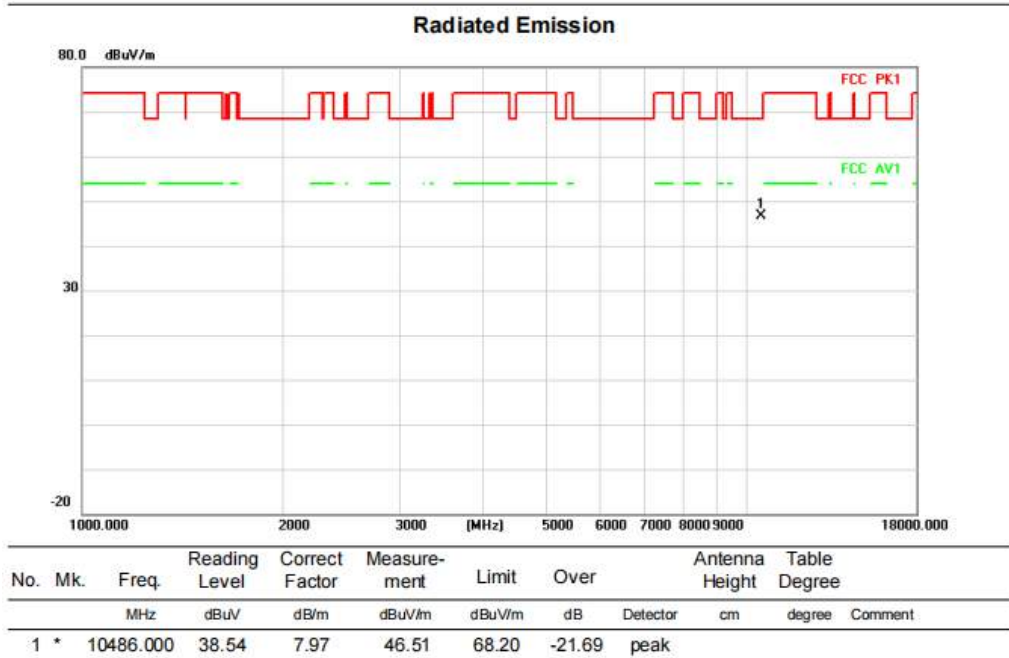
Test mode: 10MHz-MIMO

Test Channel:87

VERTICAL



HORIZONTAL

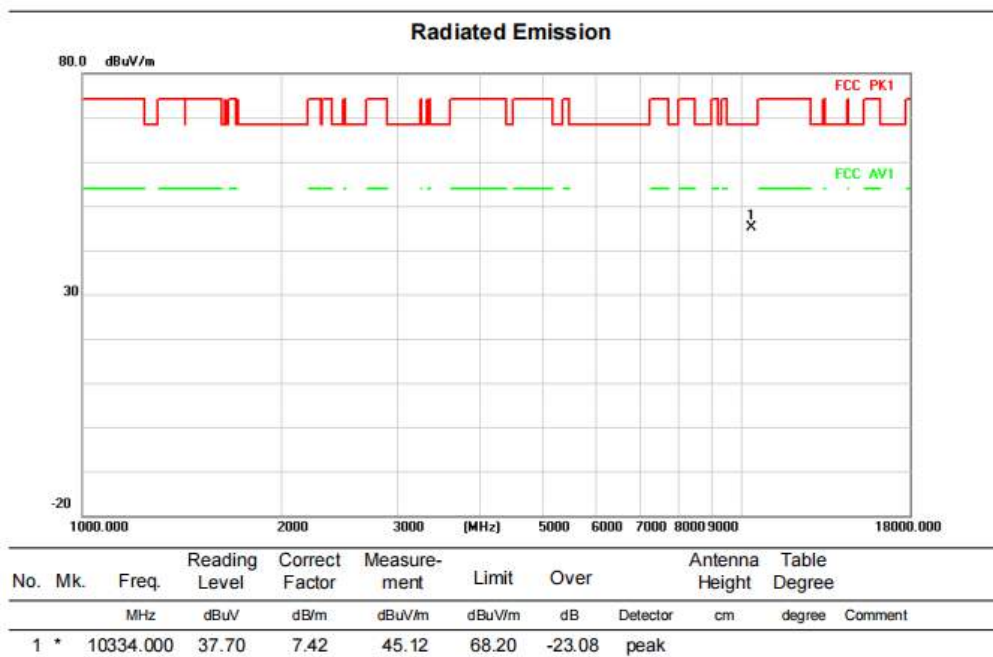
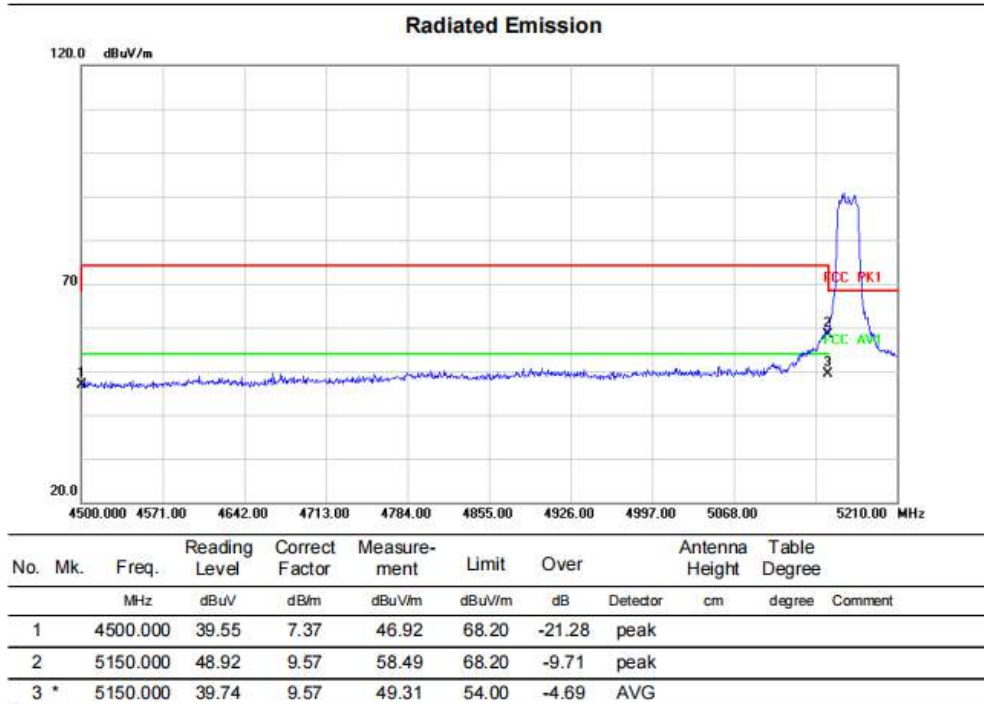


Above 1GHz (1GHz~18GHz)

Test mode: 20MHz-MIMO

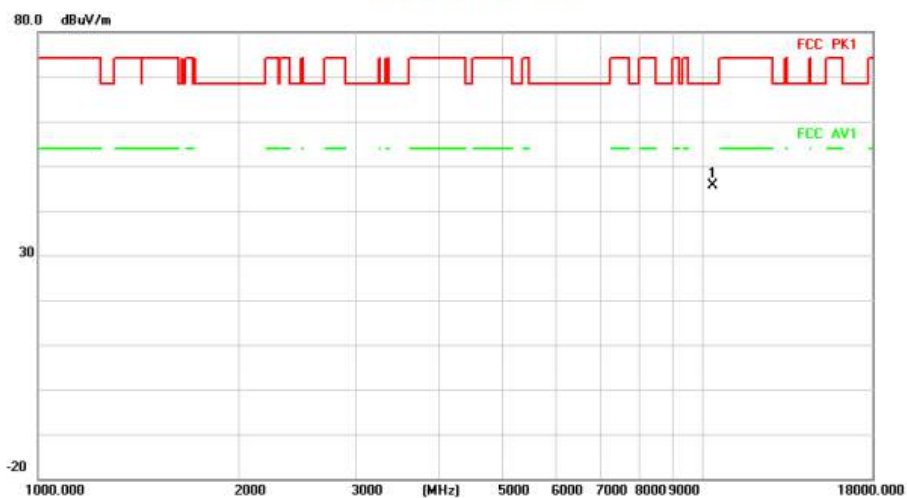
Test Channel:1

VERTICAL



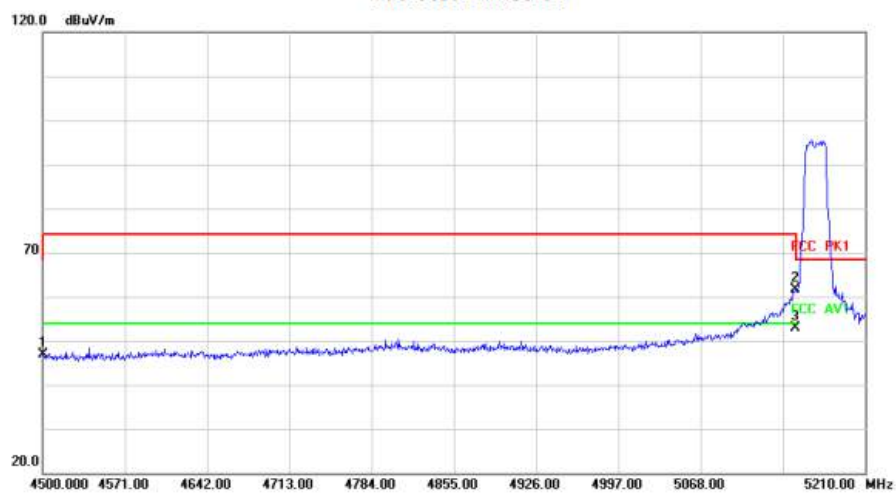
HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	10334.000	38.26	7.42	45.68	68.20	-22.52	peak		

Radiated Emission



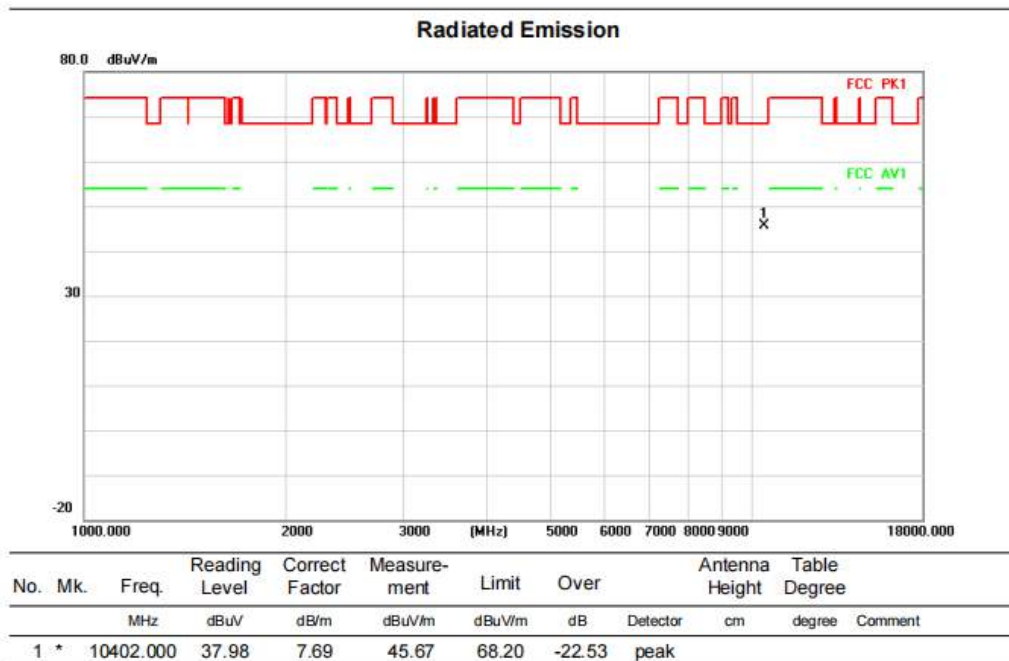
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		4500.000	39.51	7.37	46.88	68.20	-21.32	peak		
2		5150.000	52.07	9.57	61.64	68.20	-6.56	peak		
3	*	5150.000	43.19	9.57	52.76	54.00	-1.24	AVG		

Above 1GHz (1GHz~18GHz)

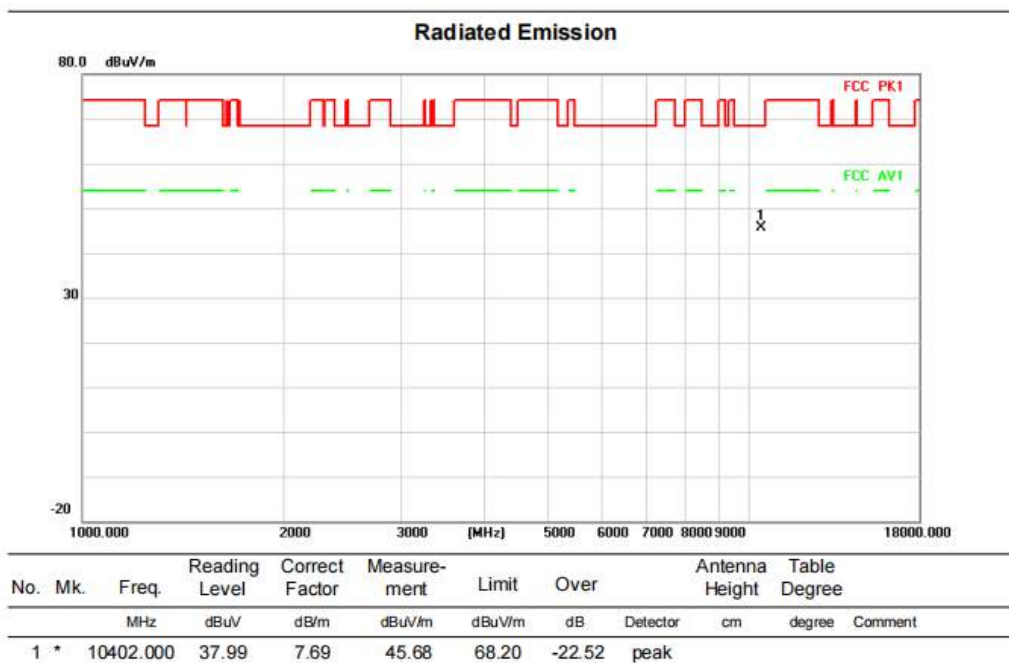
Test mode: 20MHz-MIMO

Test Channel:35

VERTICAL



HORIZONTAL

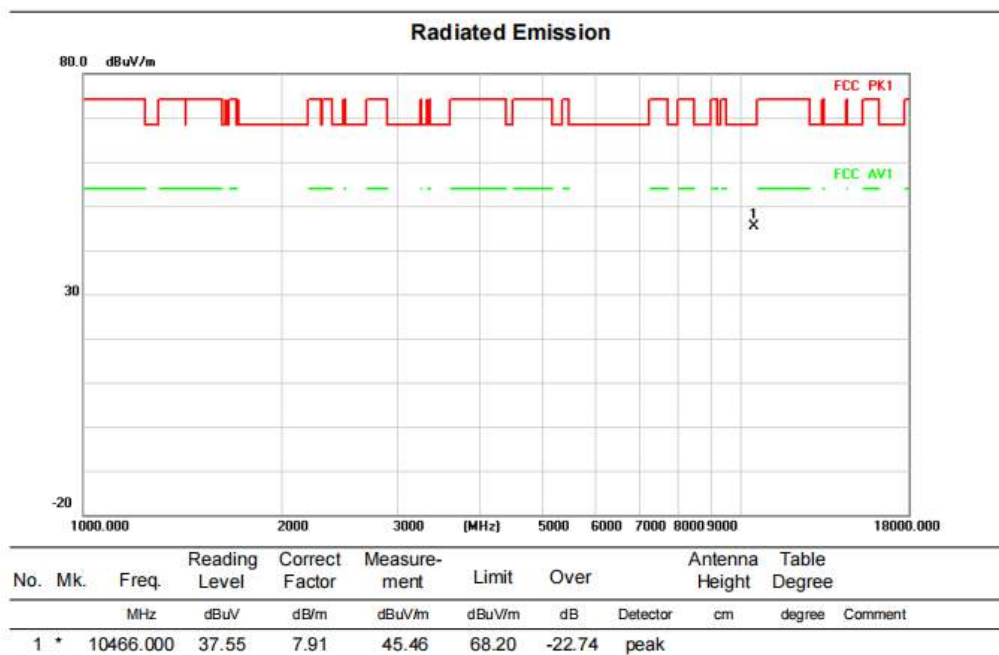


Above 1GHz (1GHz~18GHz)

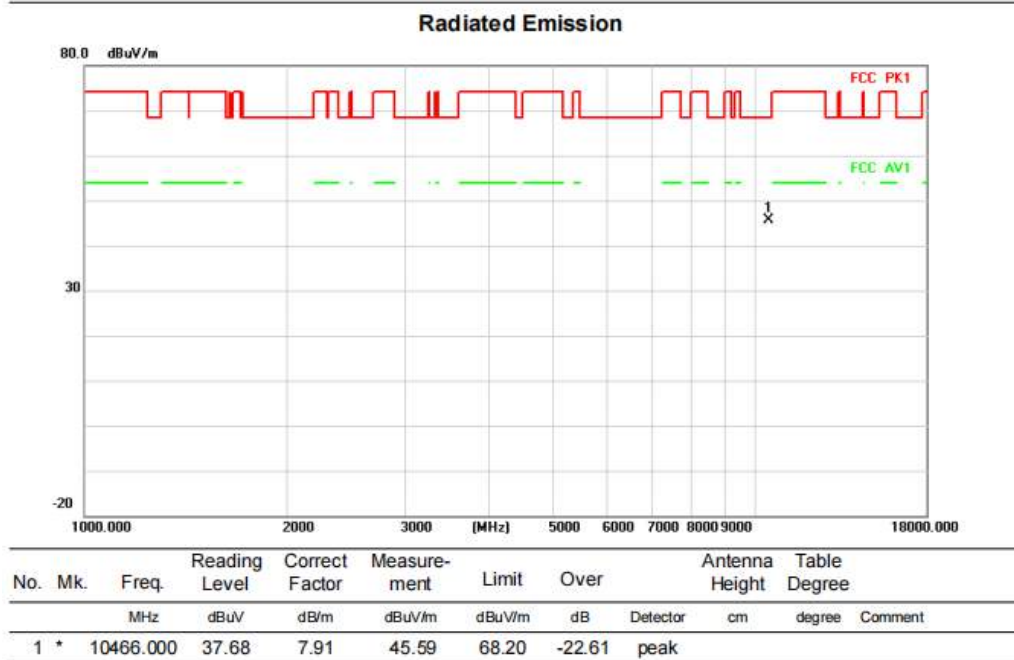
Test mode: 20MHz-MIMO

Test Channel:67

VERTICAL



HORIZONTAL



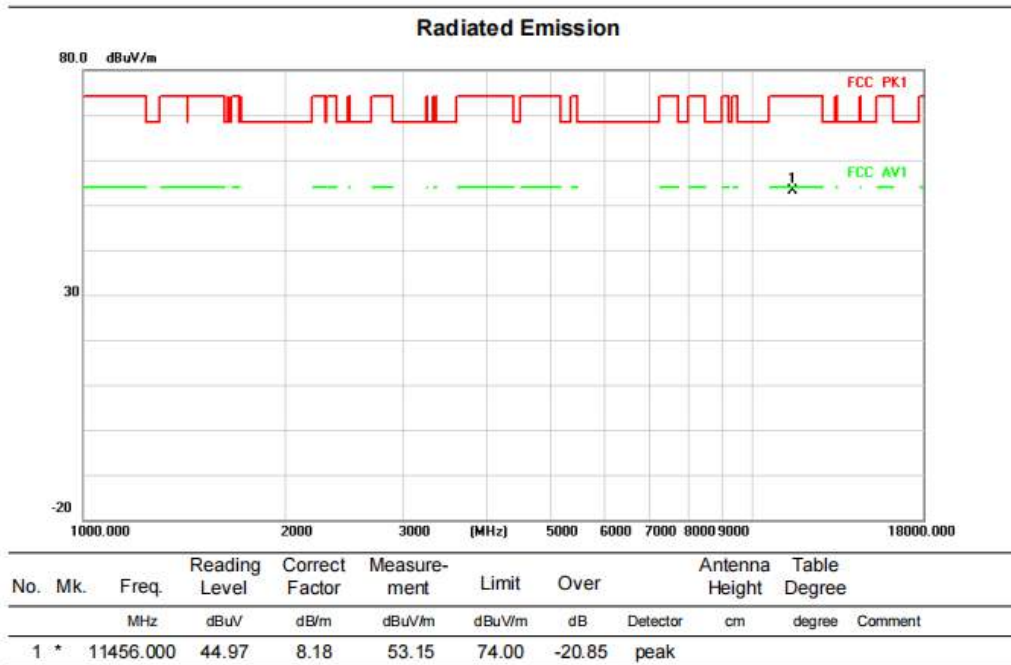
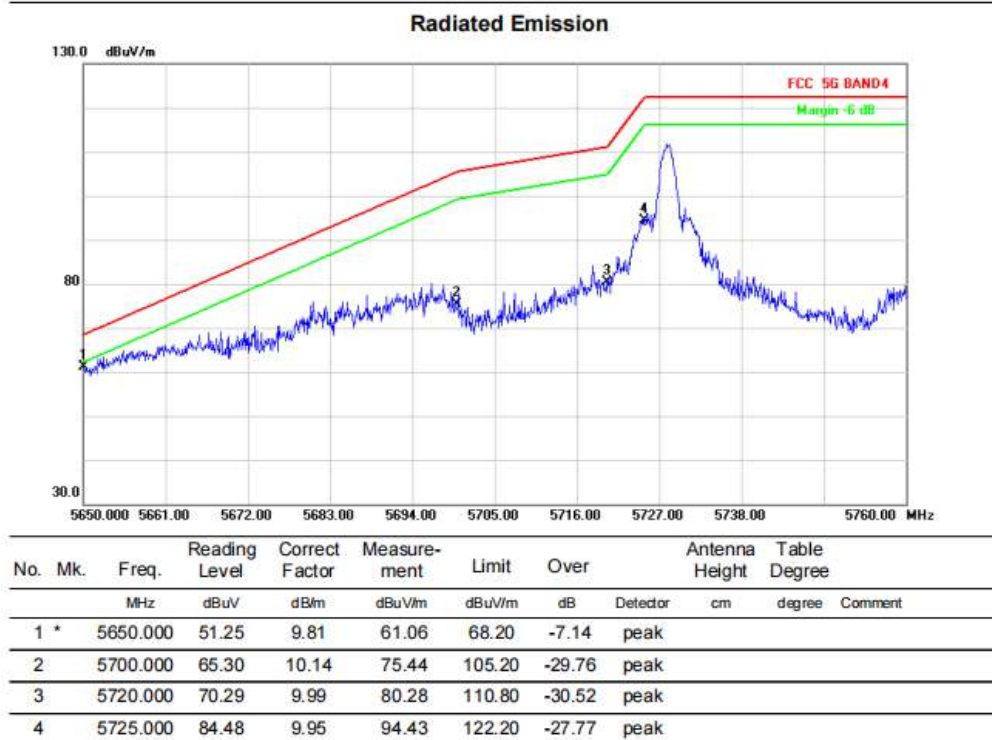
For 5.8G:

Above 1GHz (1GHz~18GHz)

Test mode: 1.4MHz-MIMO

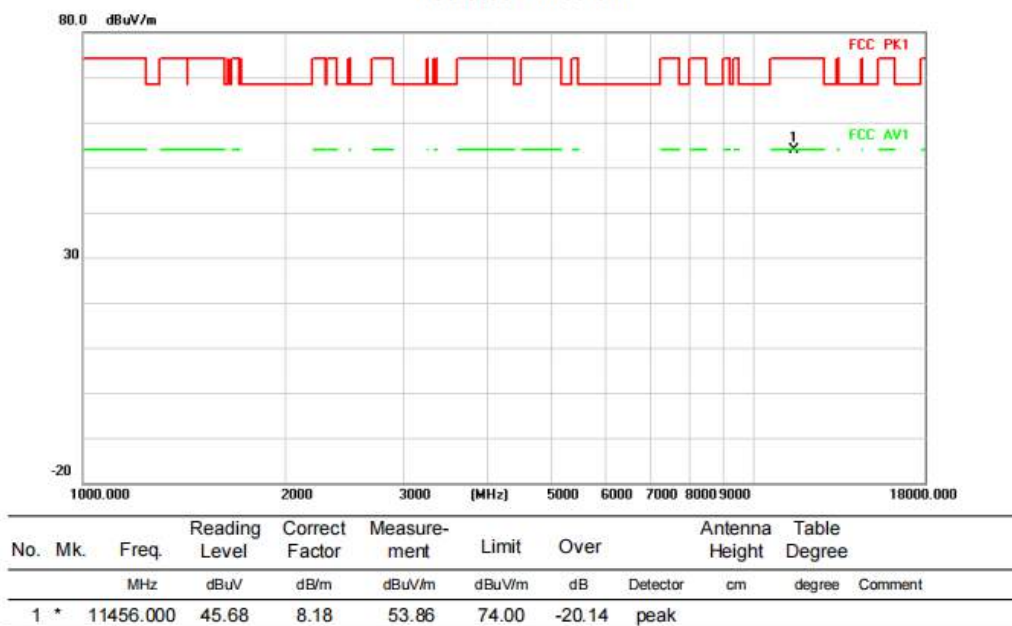
Test Channel:1

VERTICAL

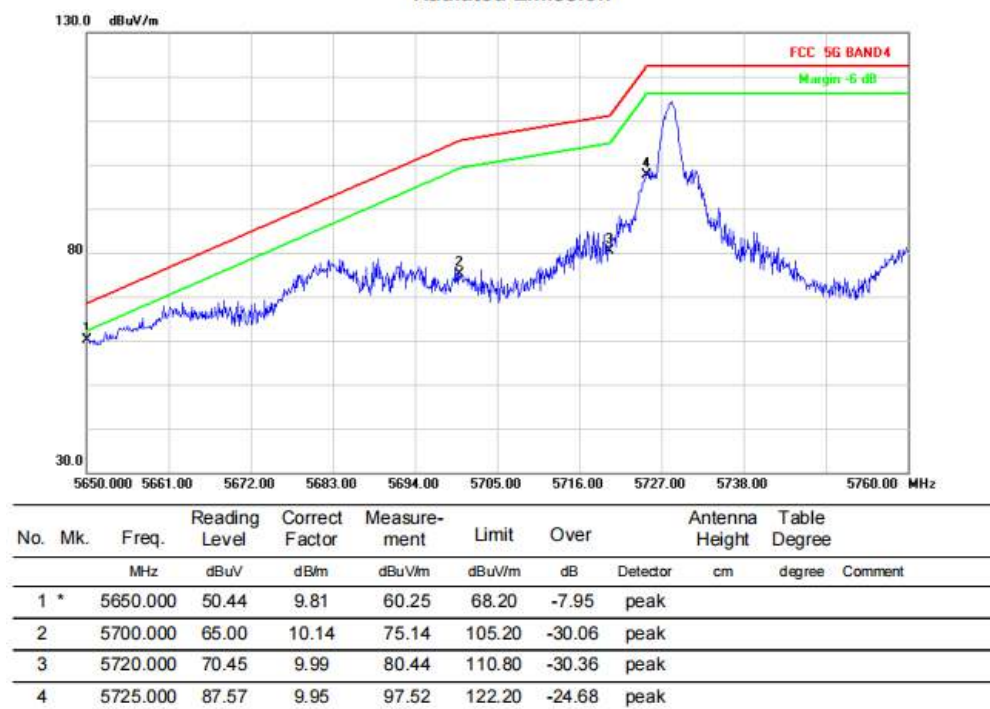


HORIZONTAL

Radiated Emission



Radiated Emission

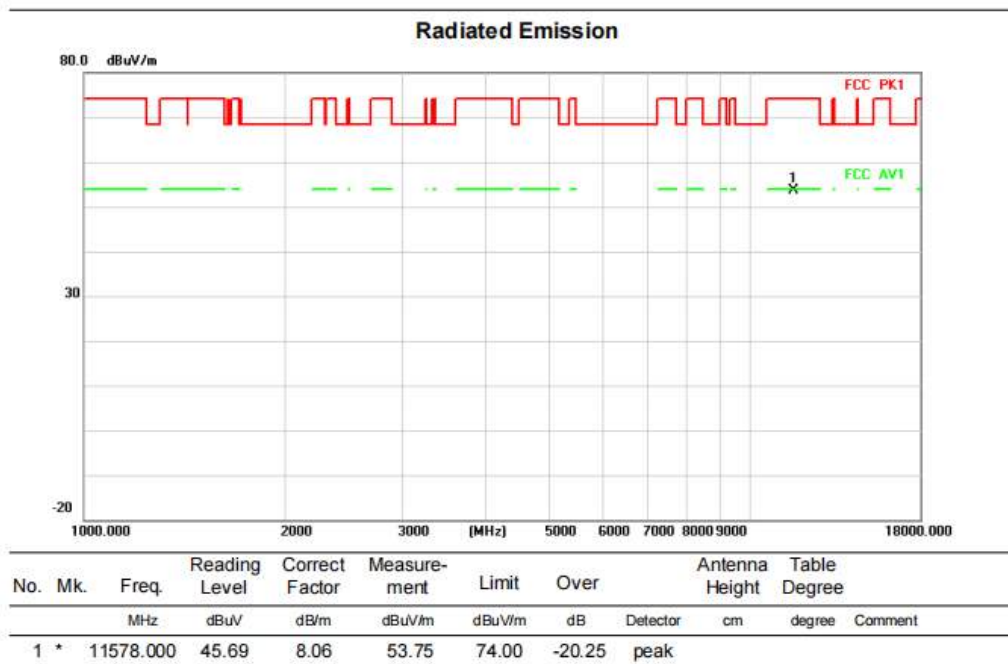


Above 1GHz (1GHz~18GHz)

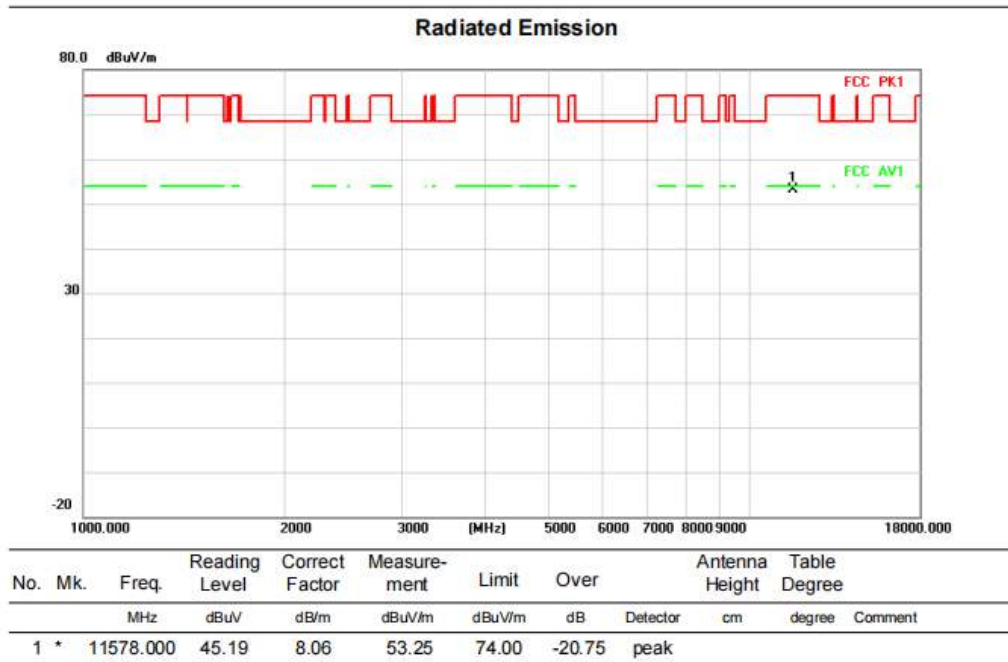
Test mode: 1.4MHz-MIMO

Test Channel:62

VERTICAL



HORIZONTAL

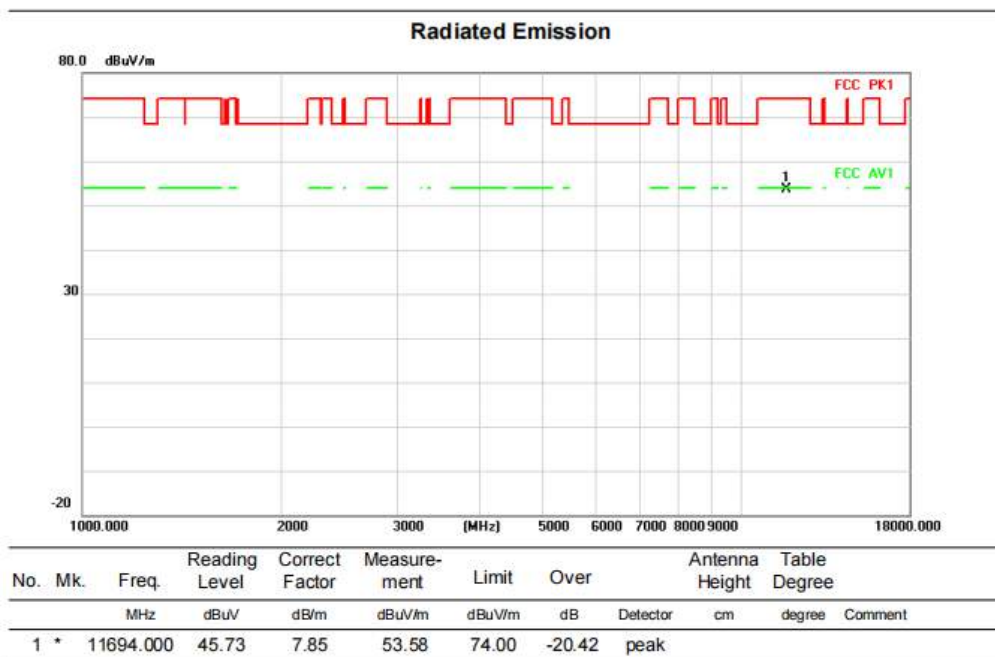
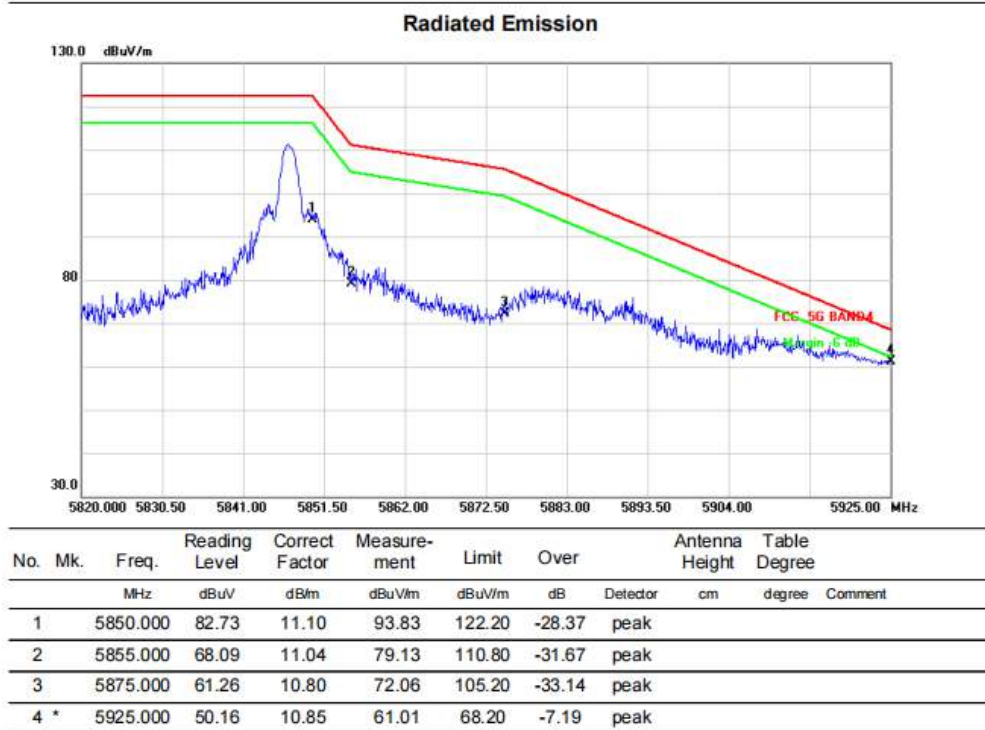


Above 1GHz (1GHz~18GHz)

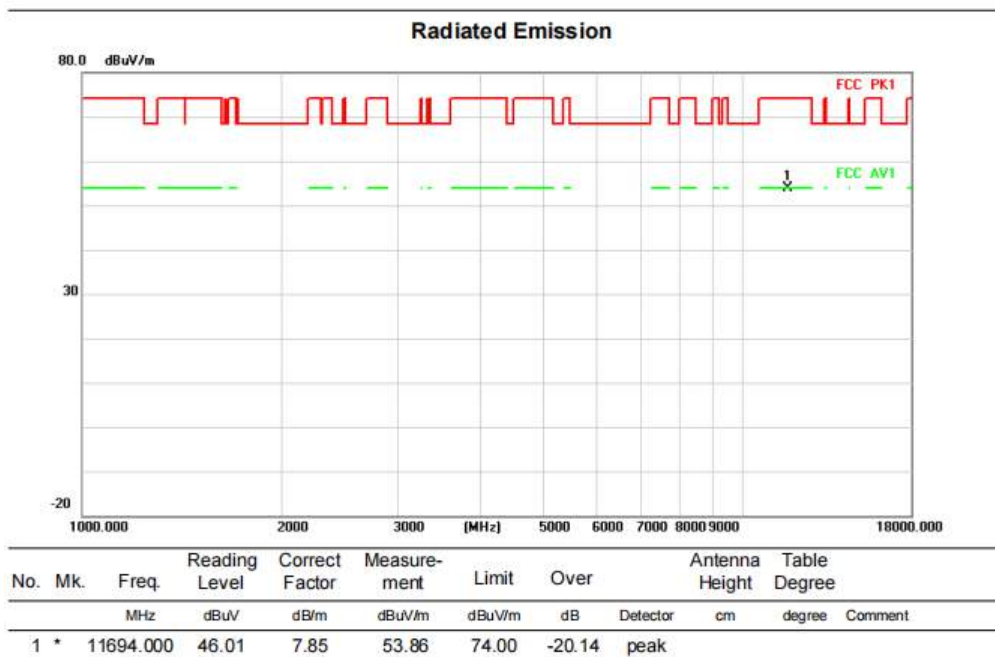
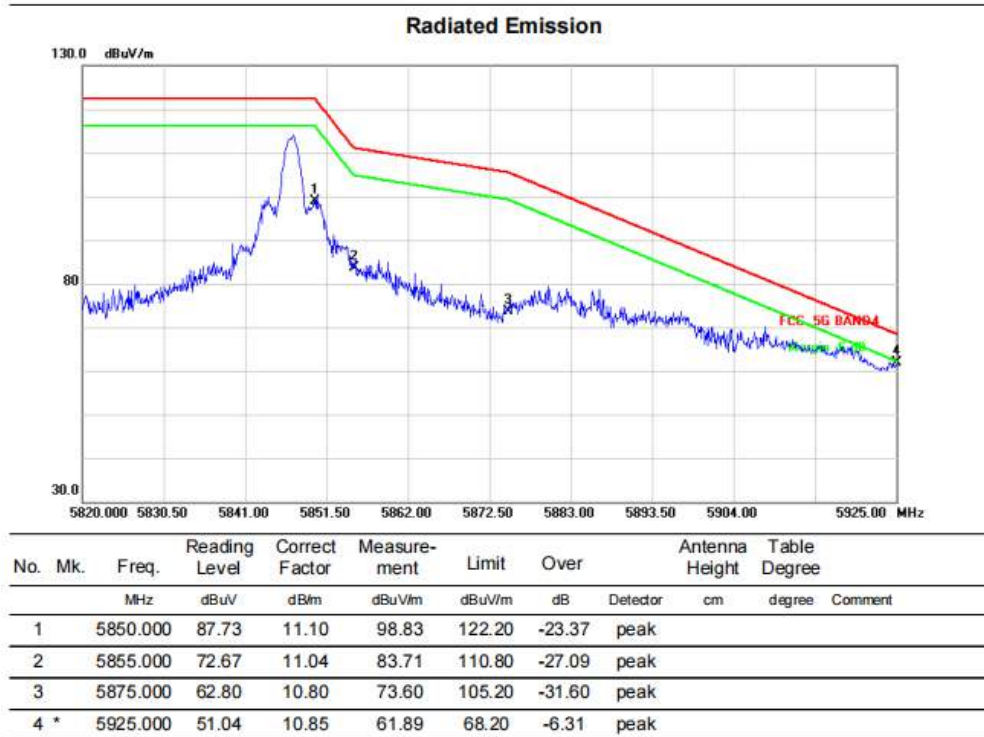
Test mode: 1.4MHz-MIMO

Test Channel:120

VERTICAL



HORIZONTAL

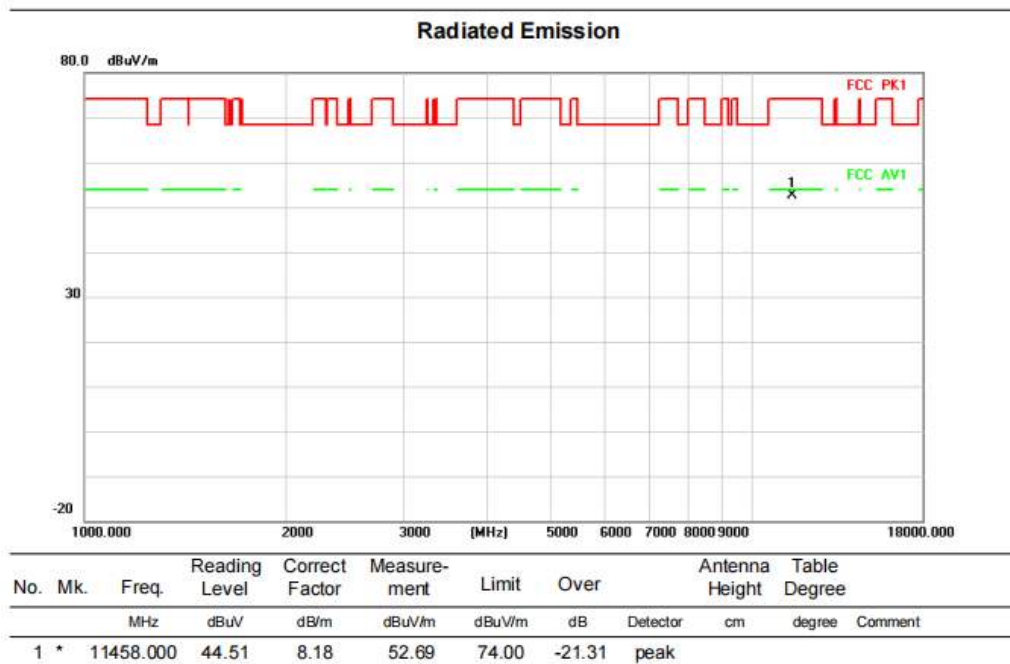
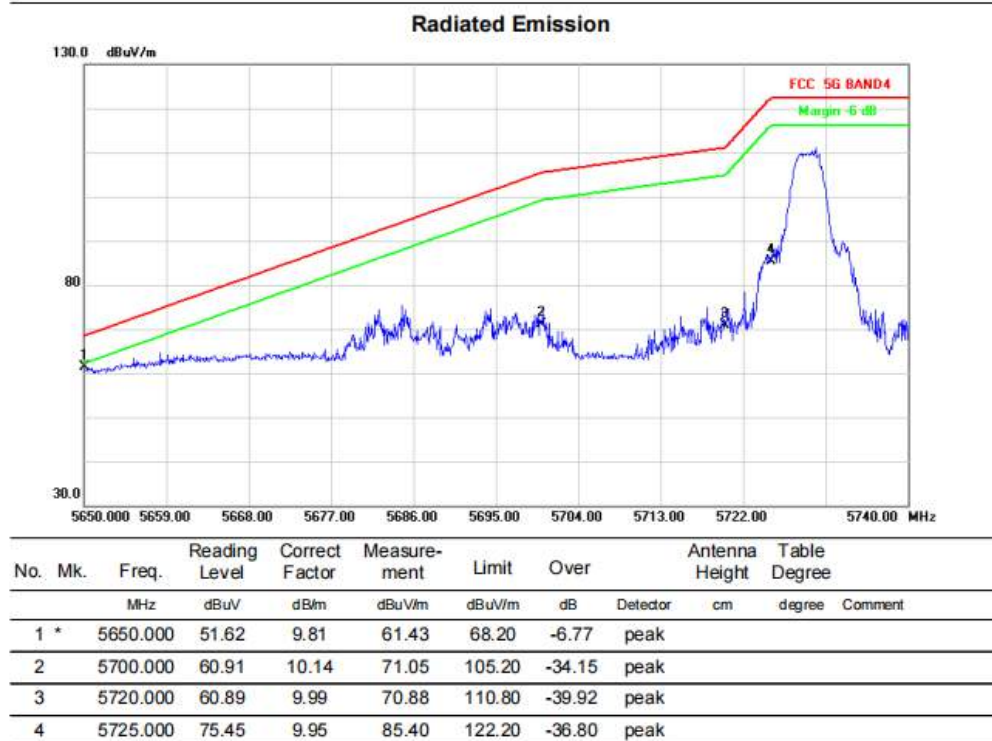


Above 1GHz (1GHz~18GHz)

Test mode: 3MHz-MIMO

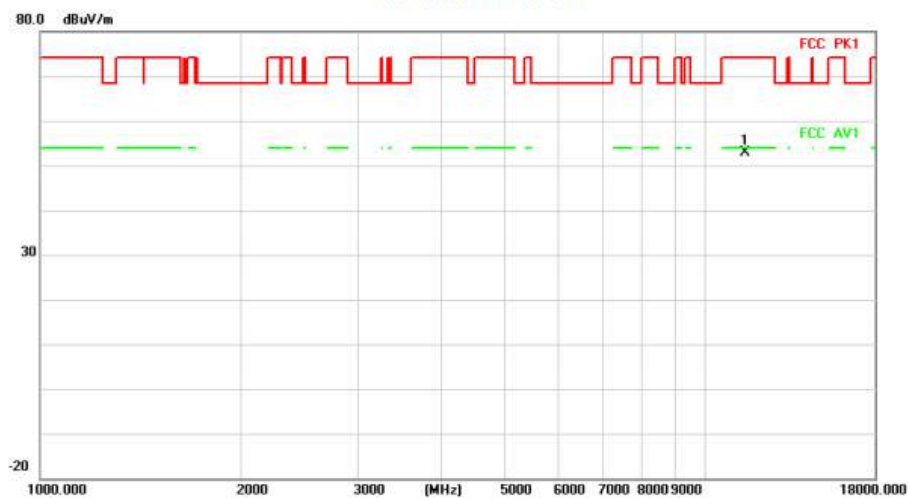
Test Channel:1

VERTICAL



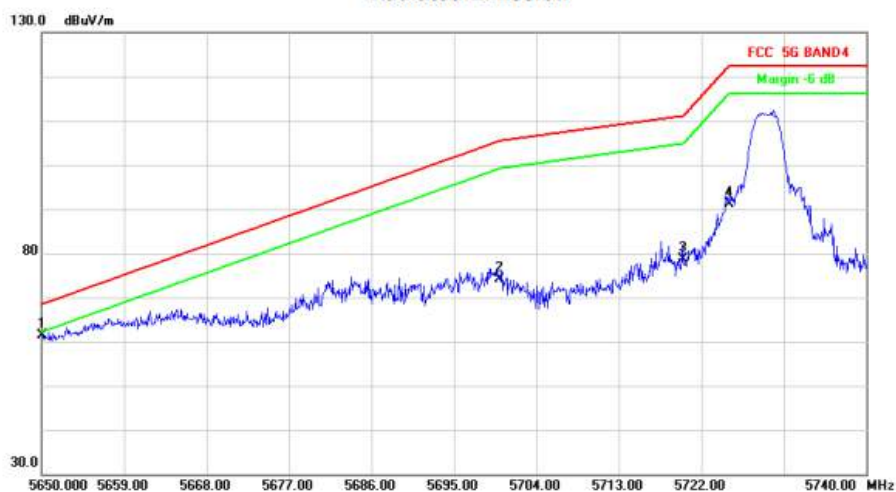
HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	11458.000	44.73	8.18	52.91	74.00	-21.09	peak	

Radiated Emission



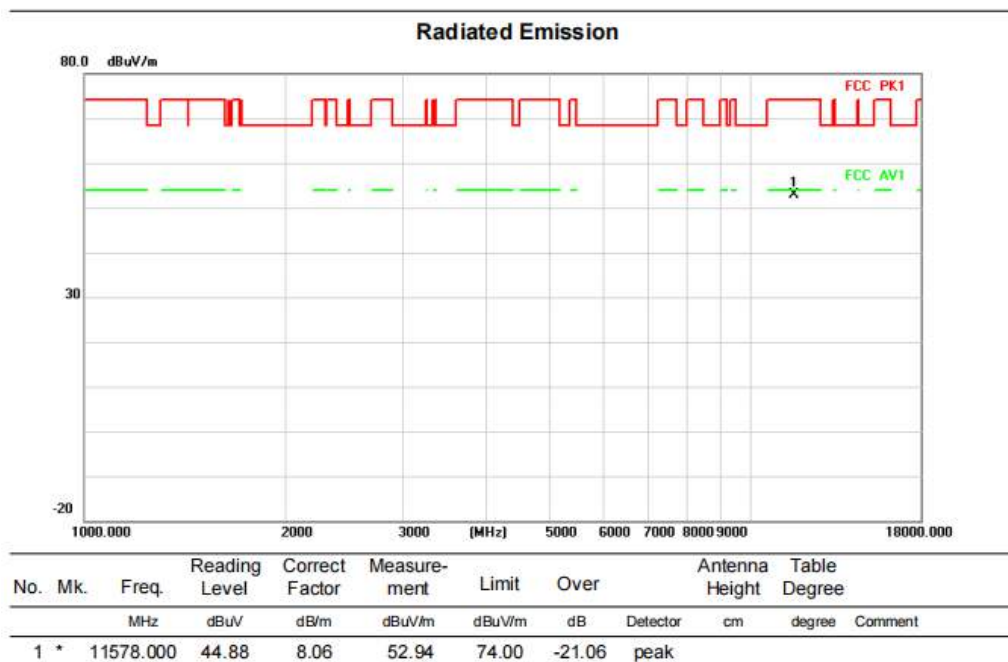
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	5650.000	51.60	9.81	61.41	68.20	-6.79	peak	
2		5700.000	63.99	10.14	74.13	105.20	-31.07	peak	
3		5720.000	68.61	9.99	78.60	110.80	-32.20	peak	
4		5725.000	81.16	9.95	91.11	122.20	-31.09	peak	

Above 1GHz (1GHz~18GHz)

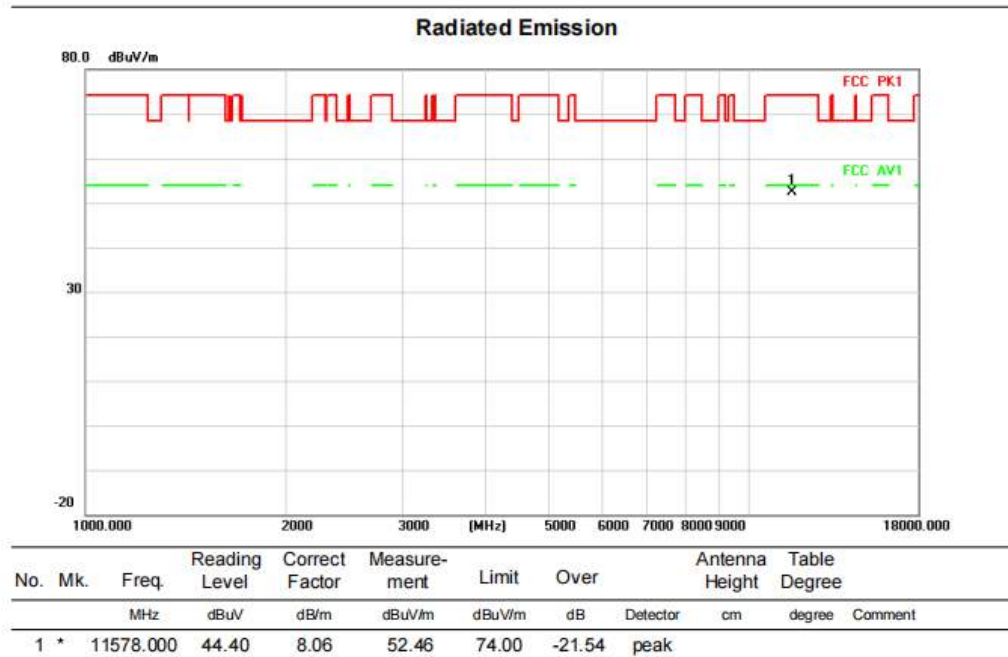
Test mode: 3MHz-MIMO

Test Channel:61

VERTICAL



HORIZONTAL

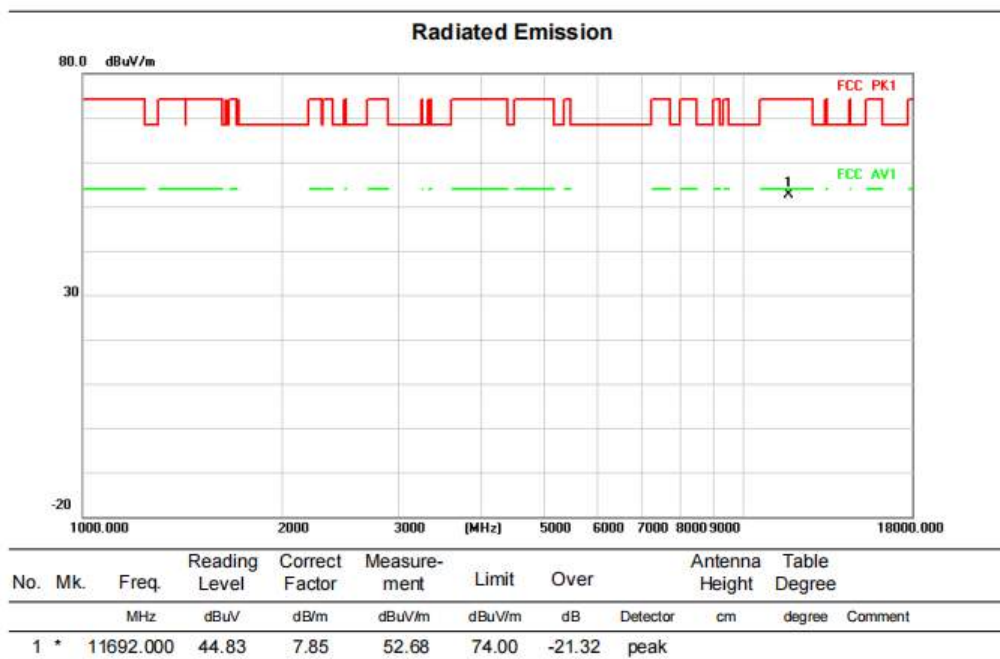
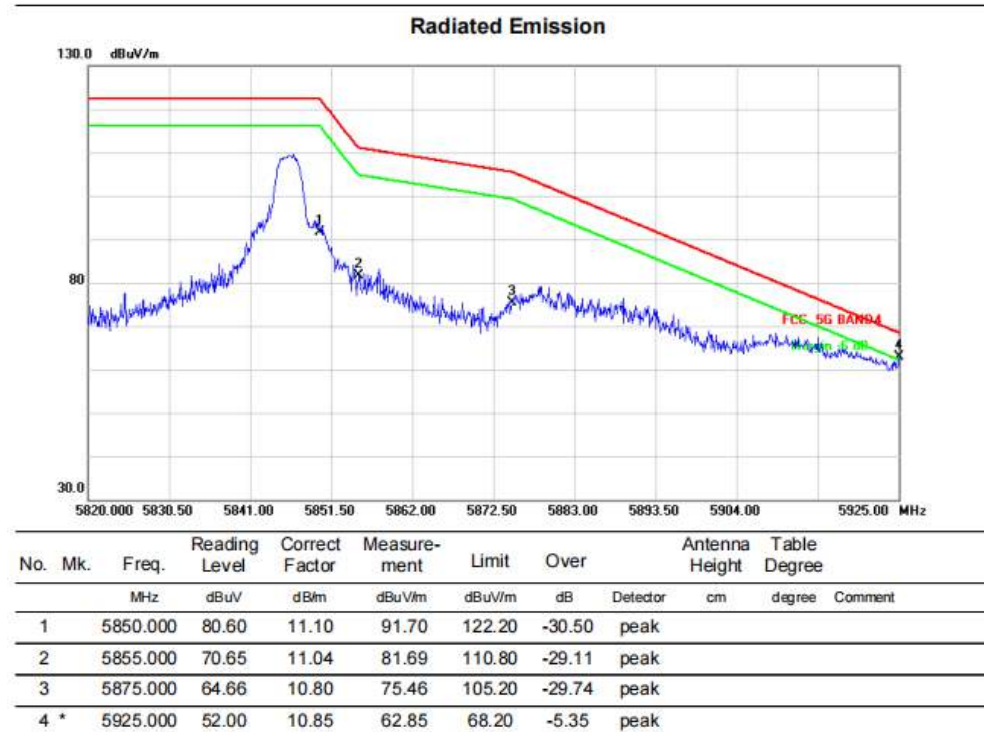


Above 1GHz (1GHz~18GHz)

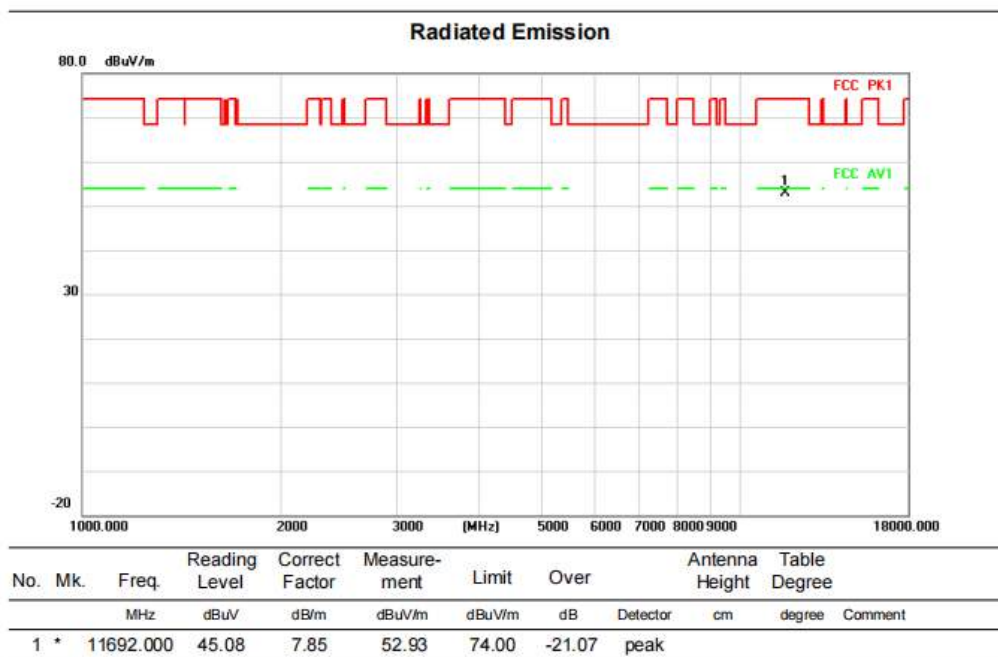
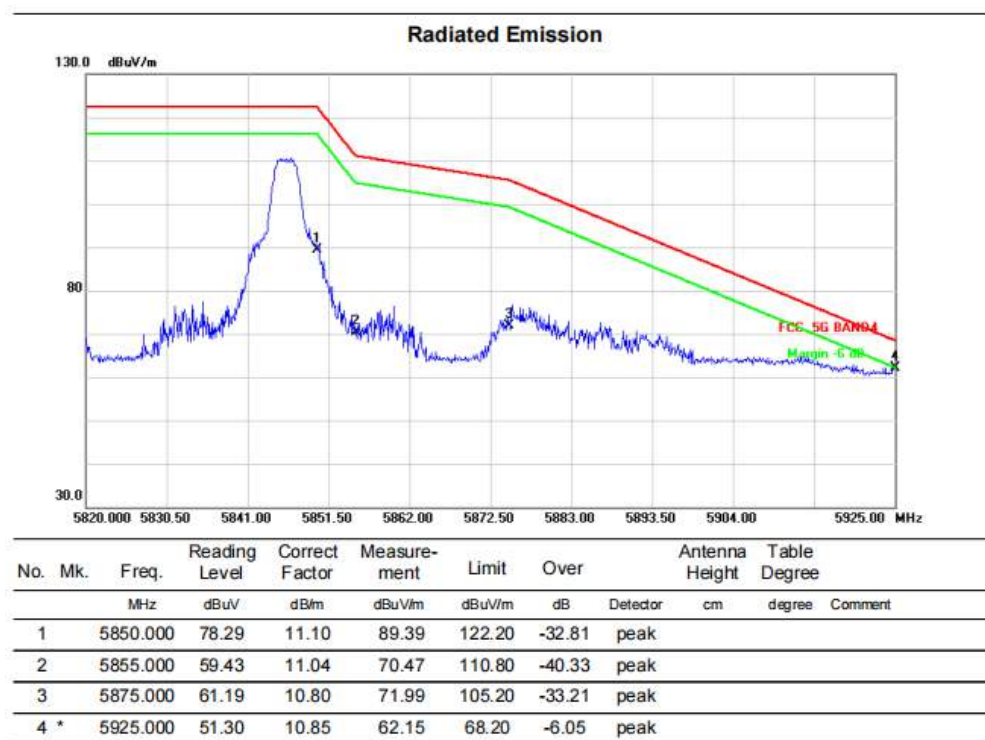
Test mode: 3MHz-MIMO

Test Channel:118

VERTICAL



HORIZONTAL

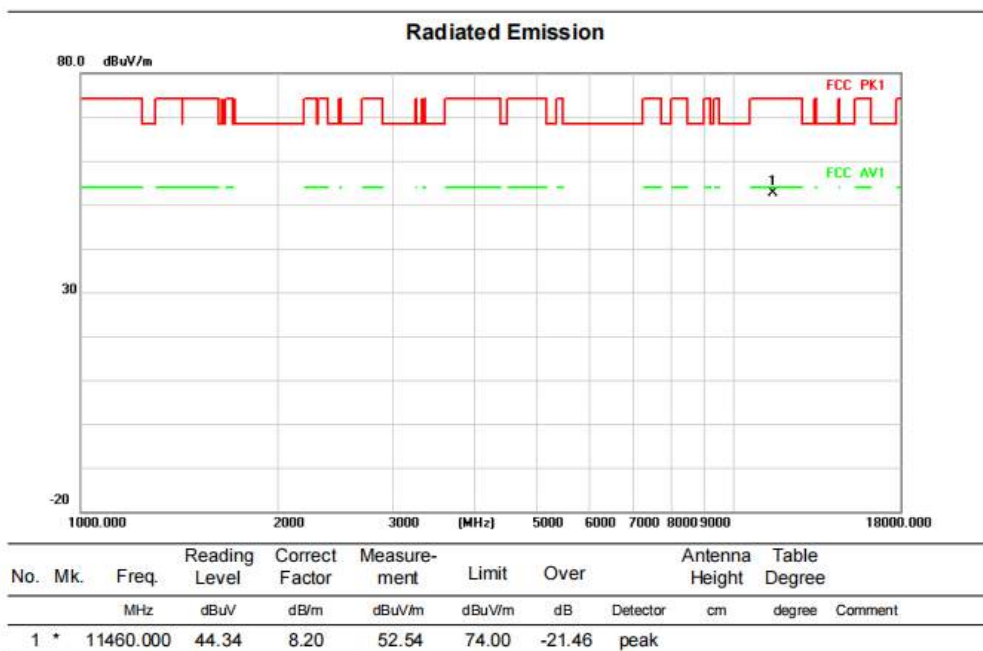
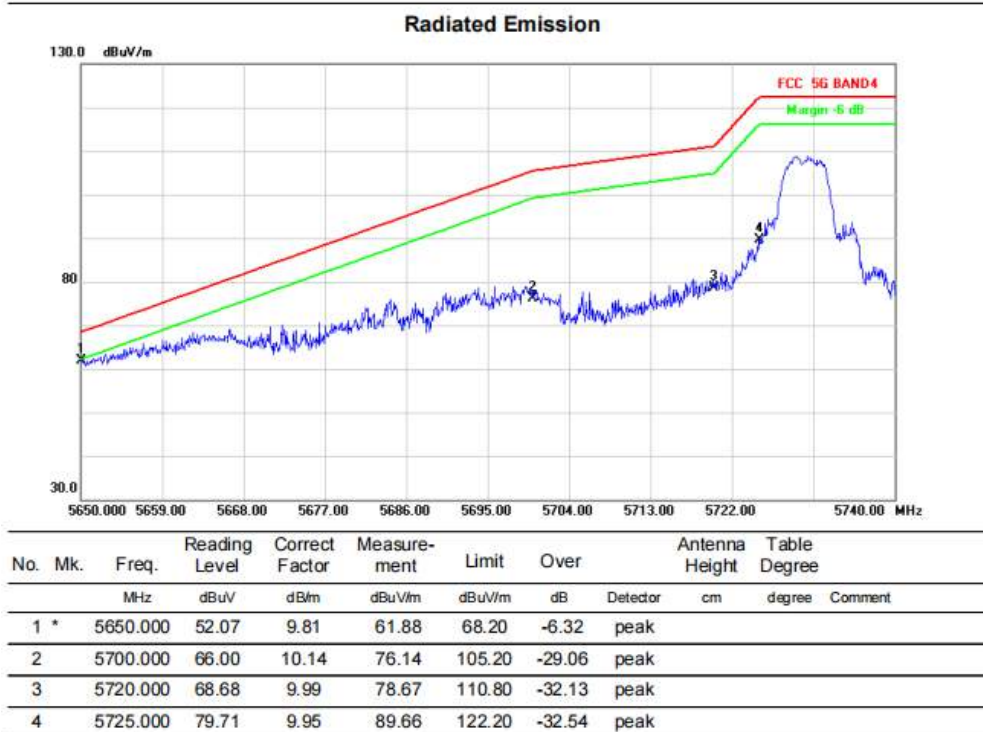


Above 1GHz (1GHz~18GHz)

Test mode: 5MHz-MIMO

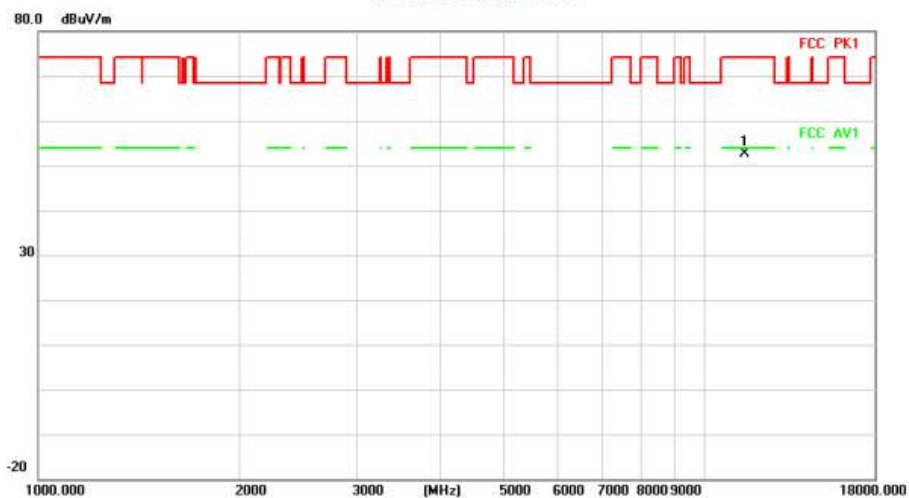
Test Channel:1

VERTICAL



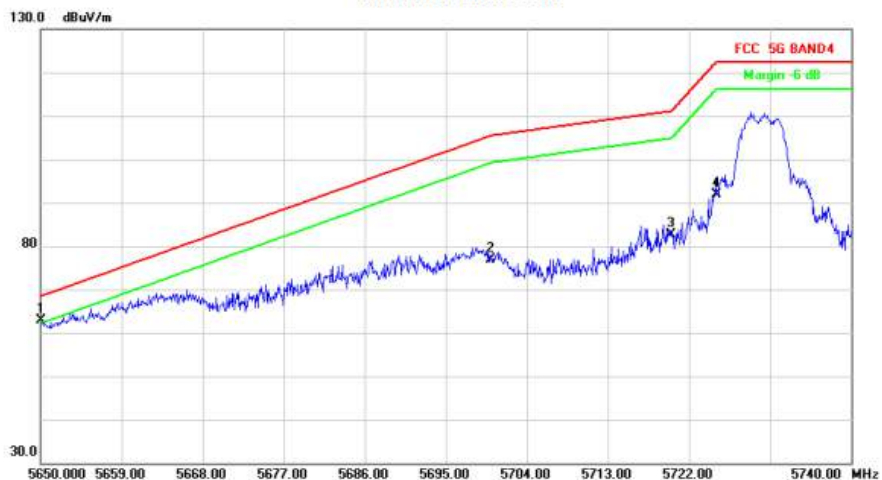
HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	11460.000	44.53	8.20	52.73	74.00	-21.27	peak	

Radiated Emission



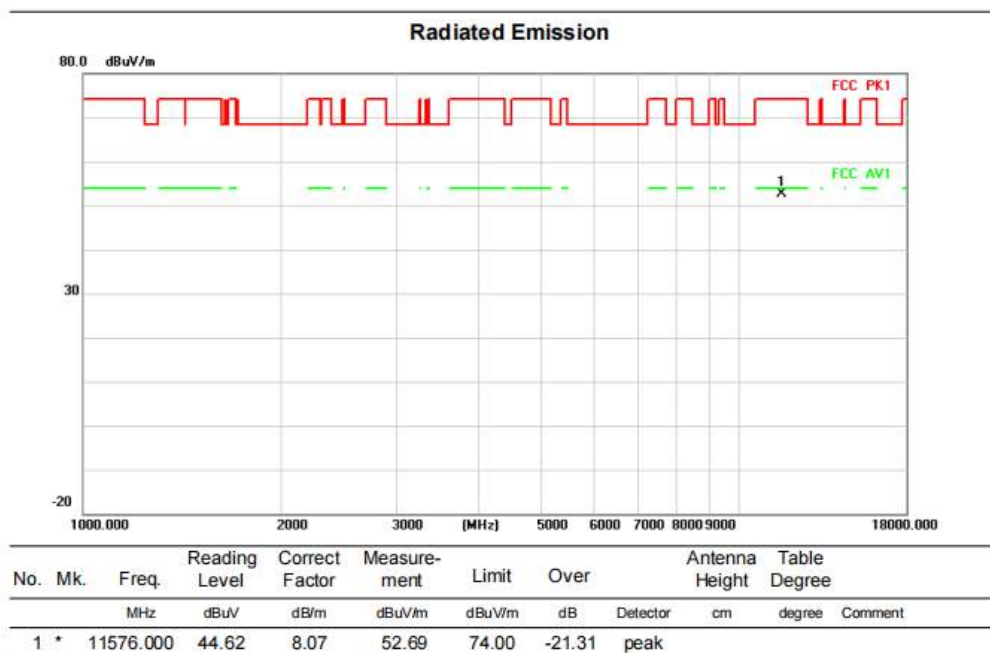
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	5650.000	53.00	9.81	62.81	68.20	-5.39	peak	
2		5700.000	66.65	10.14	76.79	105.20	-28.41	peak	
3		5720.000	72.58	9.99	82.57	110.80	-28.23	peak	
4		5725.000	82.05	9.95	92.00	122.20	-30.20	peak	

Above 1GHz (1GHz~18GHz)

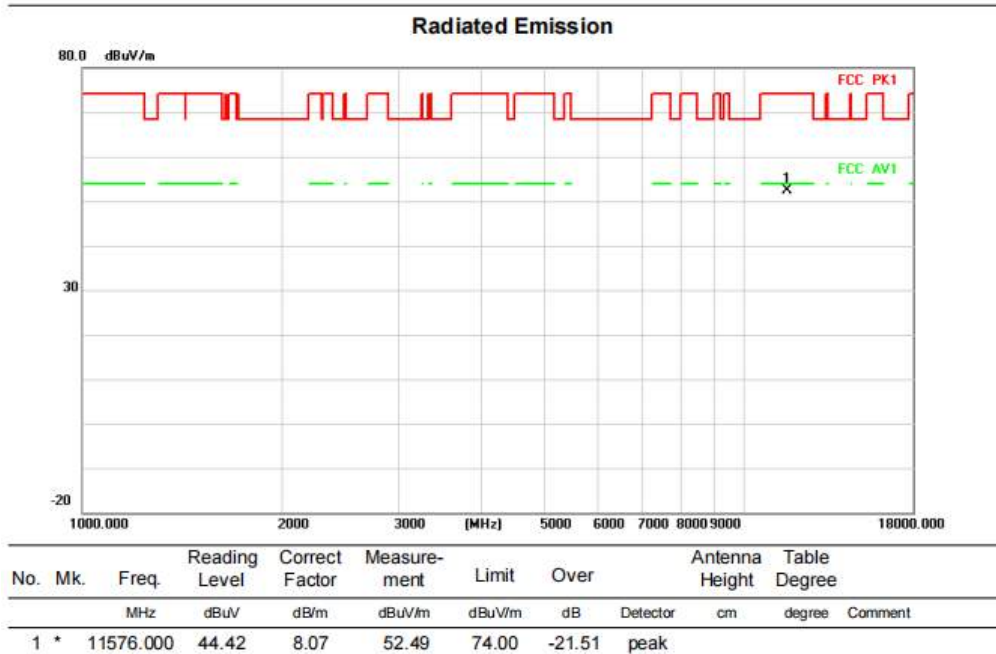
Test mode: 5MHz-MIMO

Test Channel:59

VERTICAL



HORIZONTAL

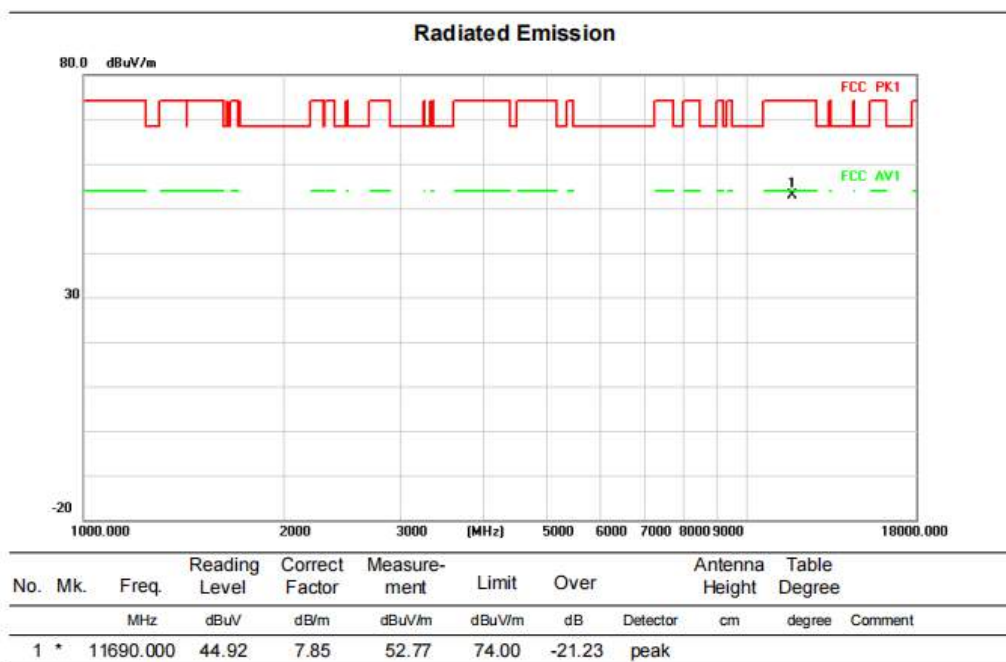
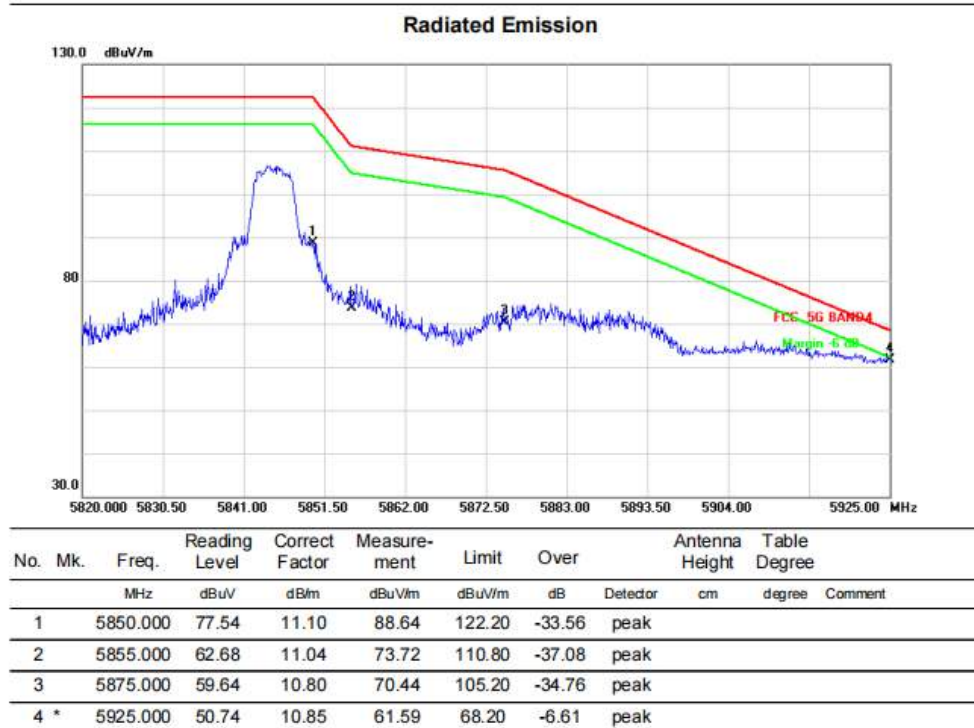


Above 1GHz (1GHz~18GHz)

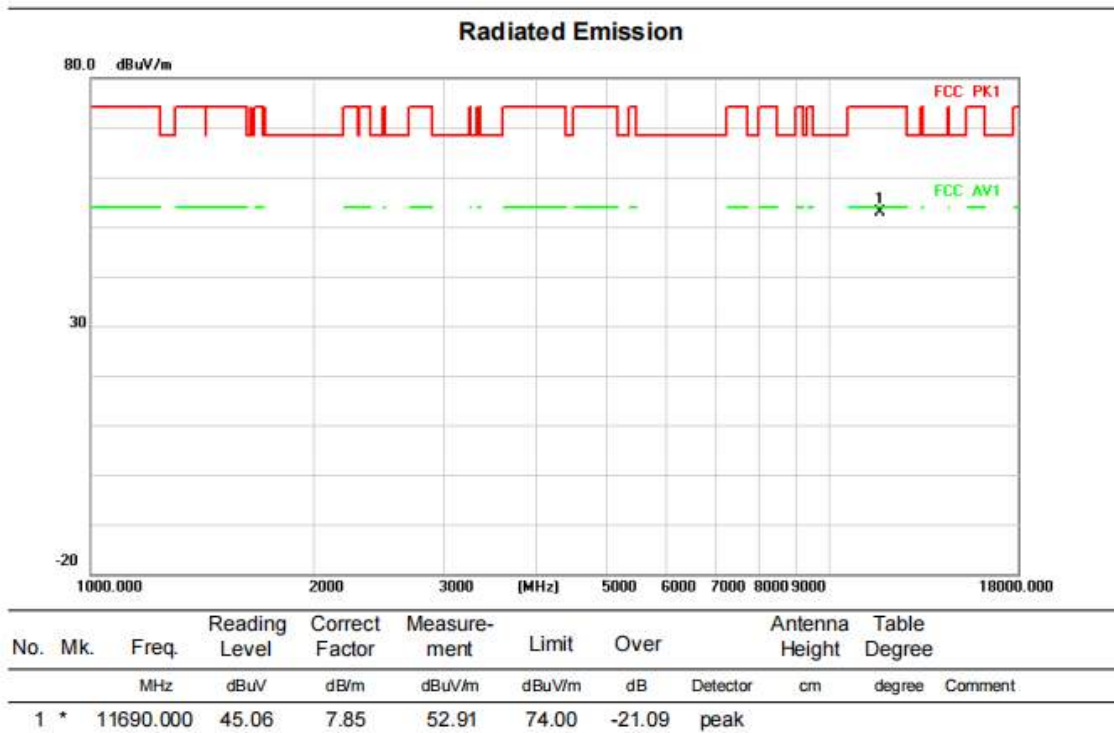
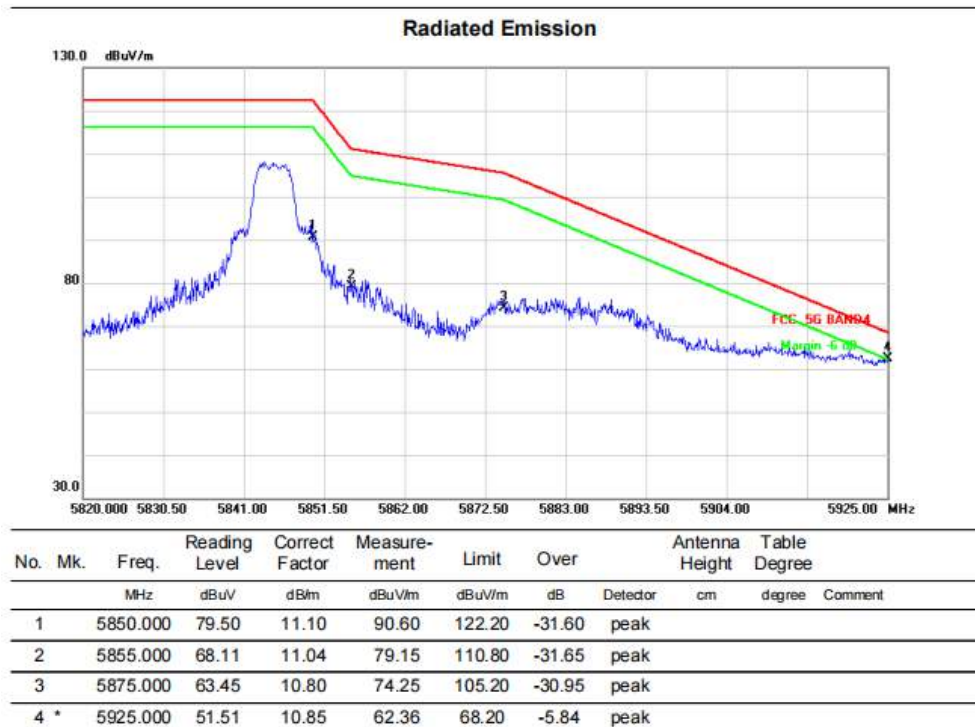
Test mode: 5MHz-MIMO

Test Channel:116

VERTICAL



HORIZONTAL

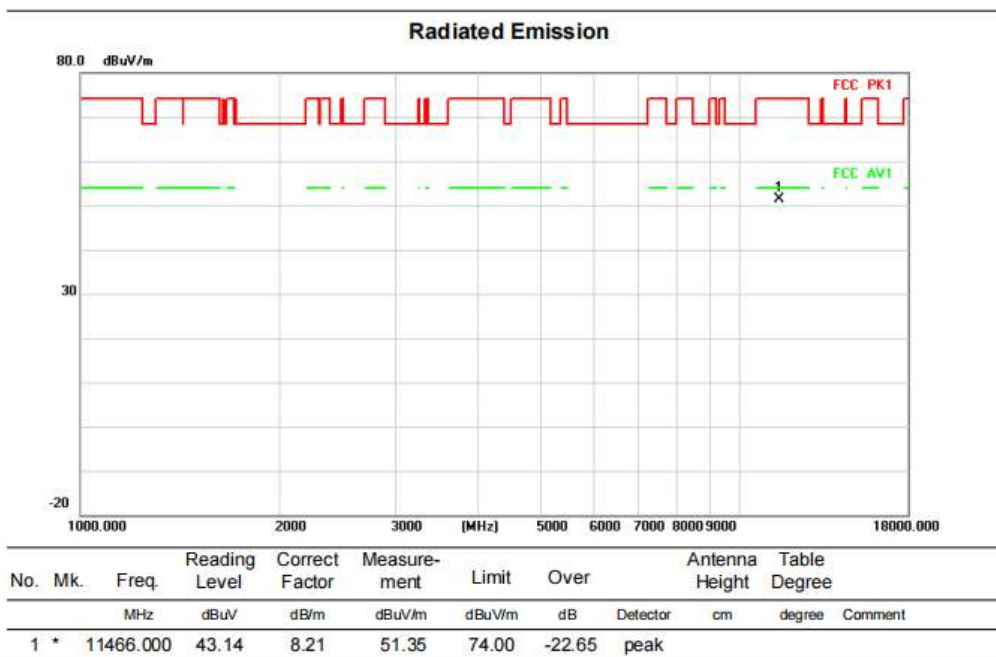
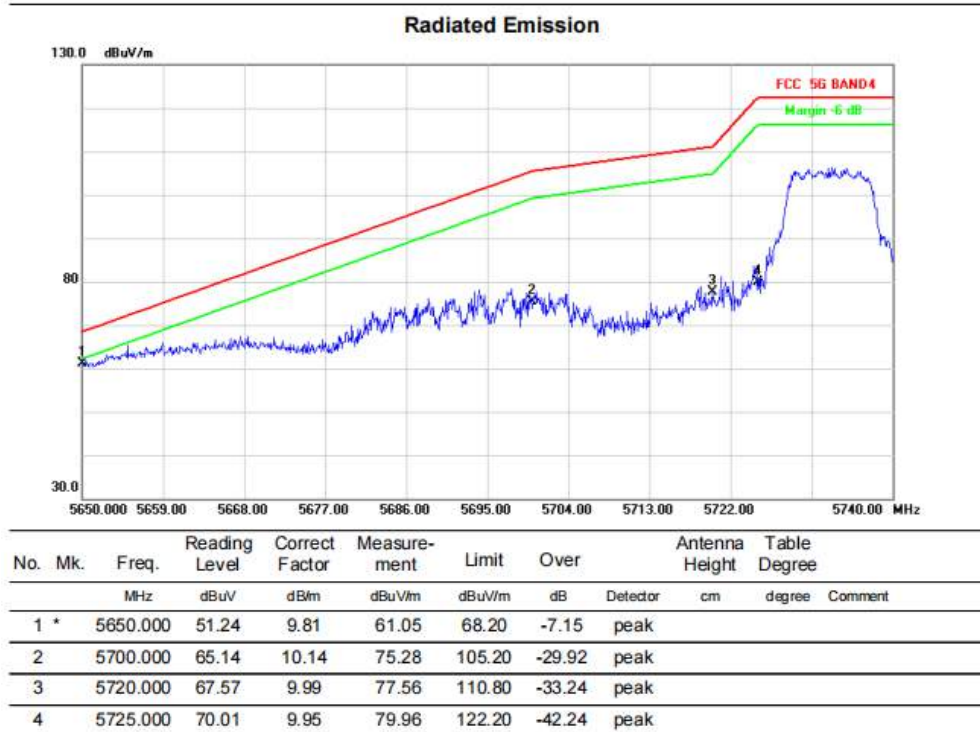


Above 1GHz (1GHz~18GHz)

Test mode: 10MHz-MIMO

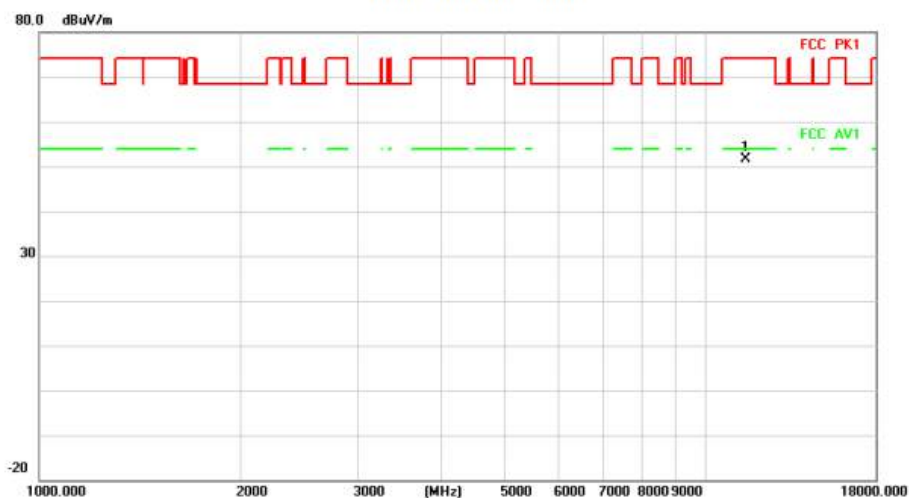
Test Channel:1

VERTICAL



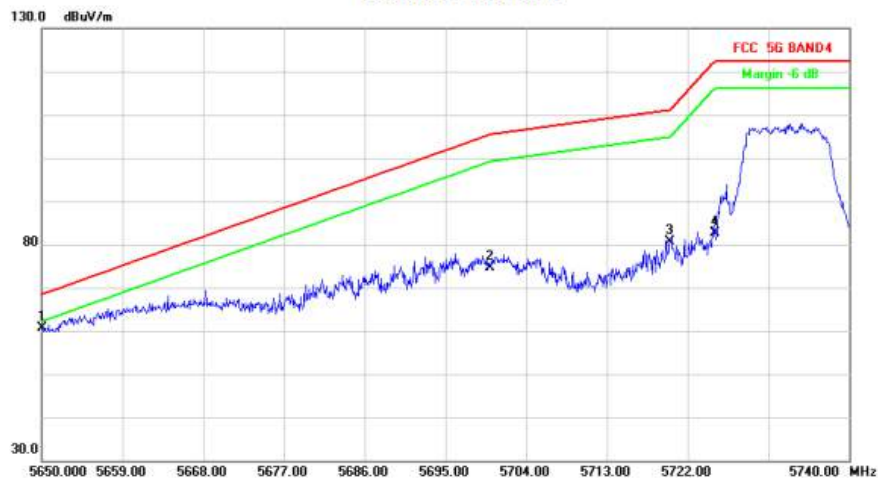
HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dBm	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	11466.000	43.43	8.21	51.64	74.00	-22.36	peak		

Radiated Emission



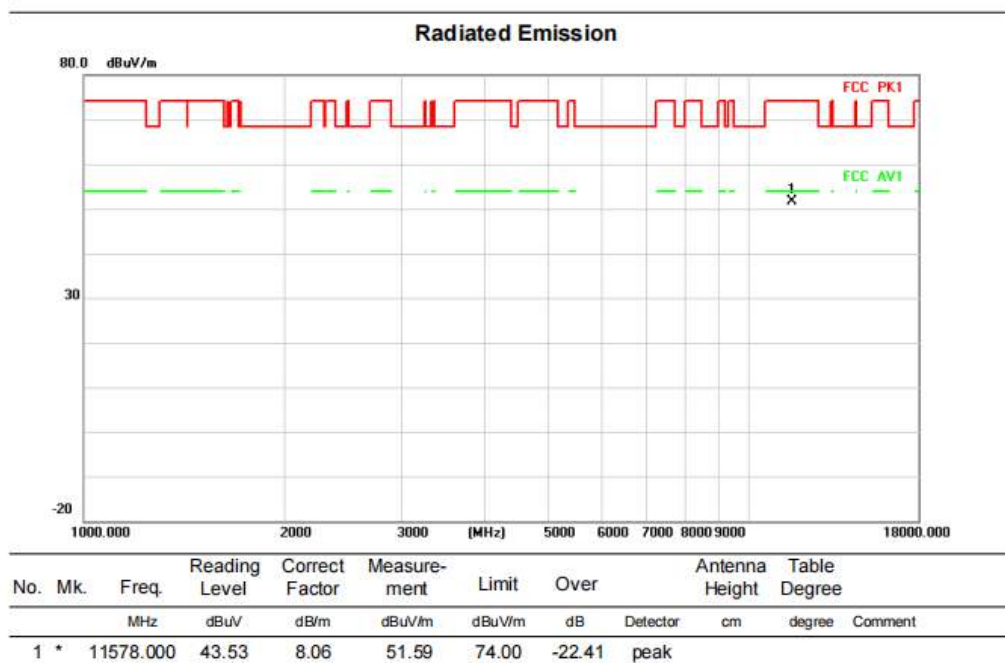
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dBm	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	5650.000	50.93	9.81	60.74	68.20	-7.46	peak		
2		5700.000	64.37	10.14	74.51	105.20	-30.69	peak		
3		5720.000	70.73	9.99	80.72	110.80	-30.08	peak		
4		5725.000	72.71	9.95	82.66	122.20	-39.54	peak		

Above 1GHz (1GHz~18GHz)

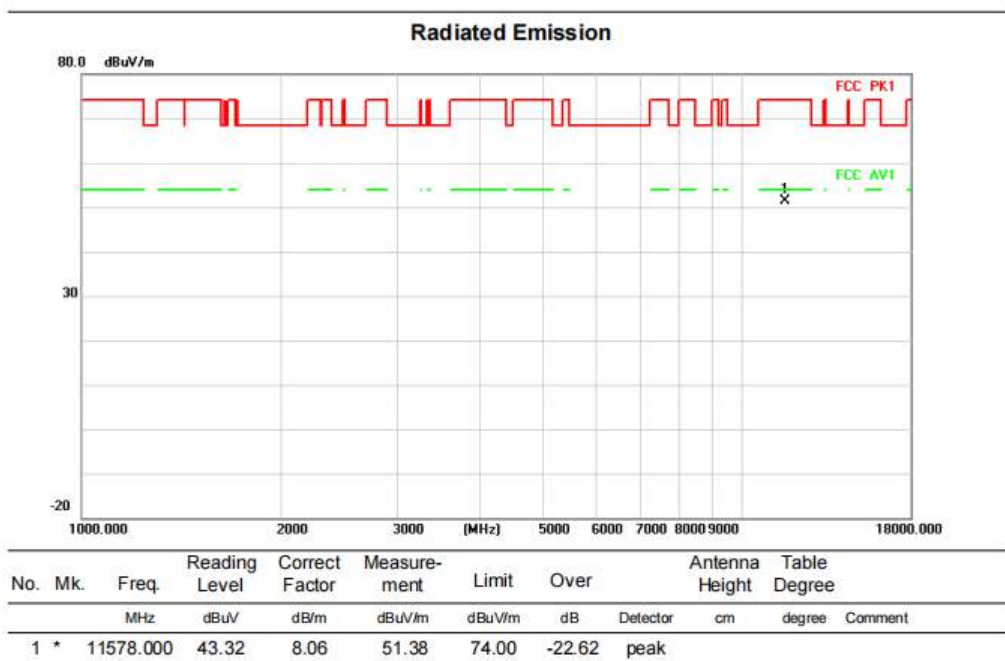
Test mode: 10MHz-MIMO

Test Channel:57

VERTICAL



HORIZONTAL

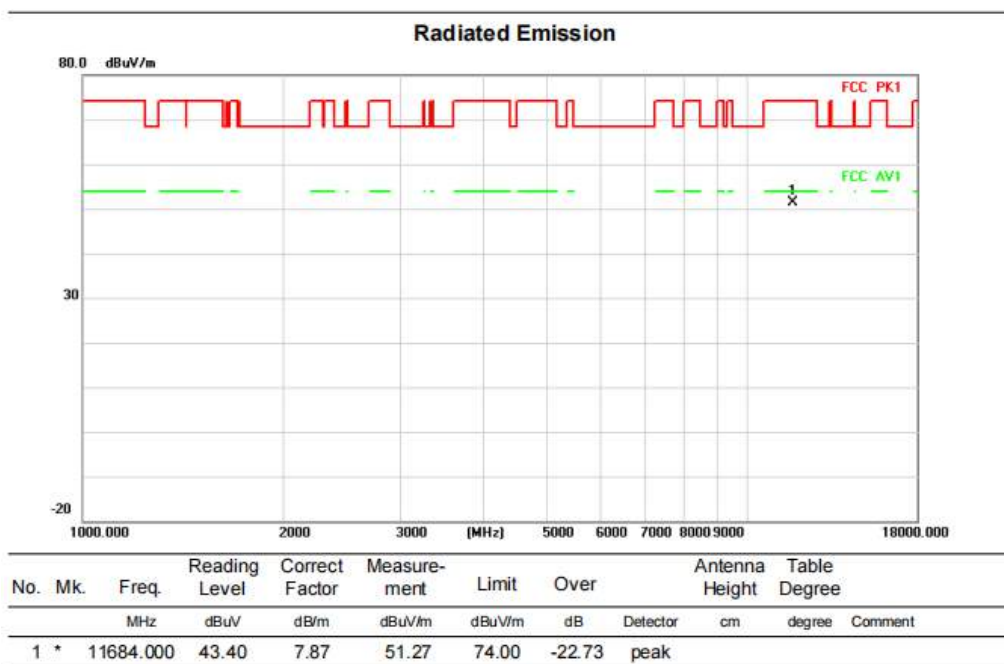
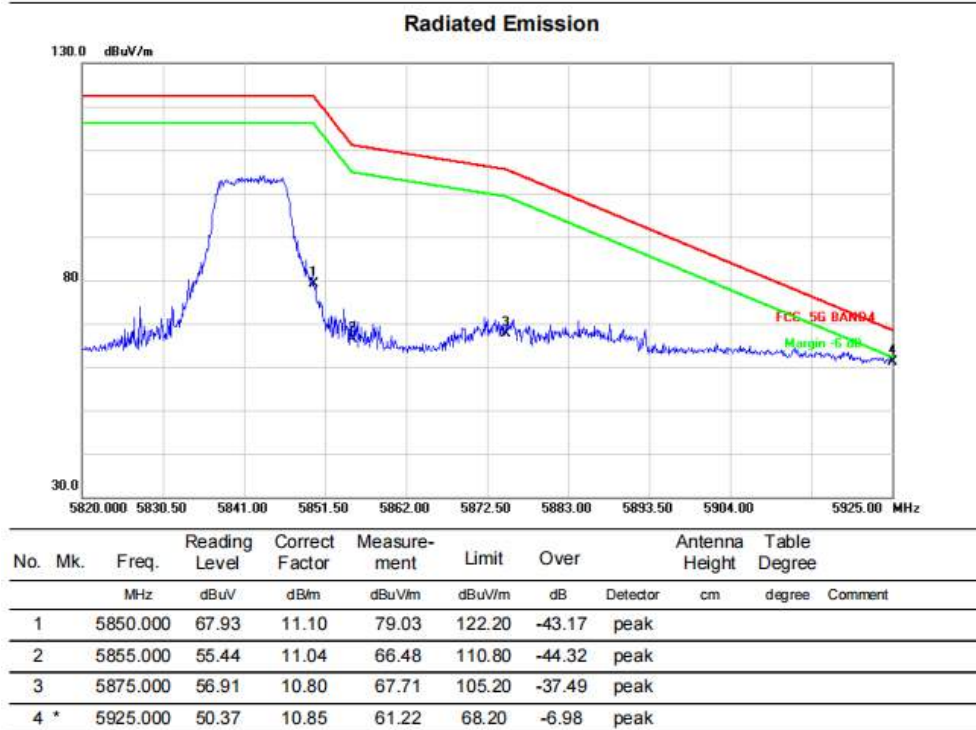


Above 1GHz (1GHz~18GHz)

Test mode: 10MHz-MIMO

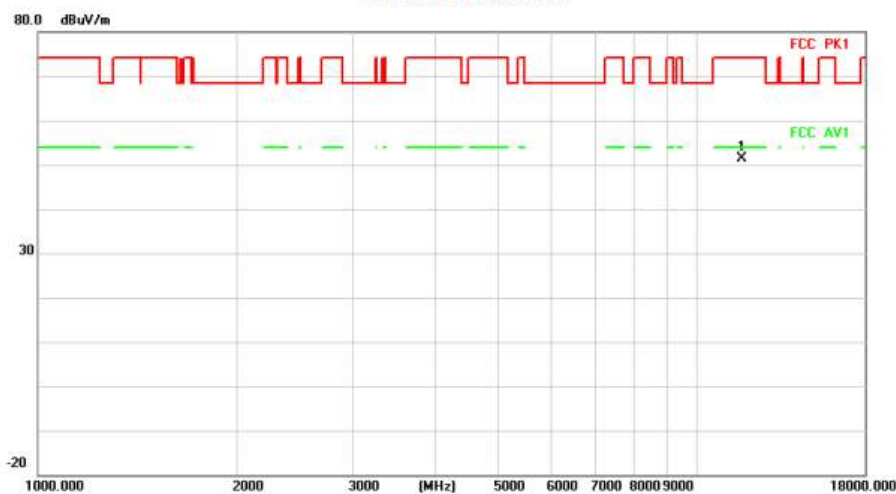
Test Channel:110

VERTICAL



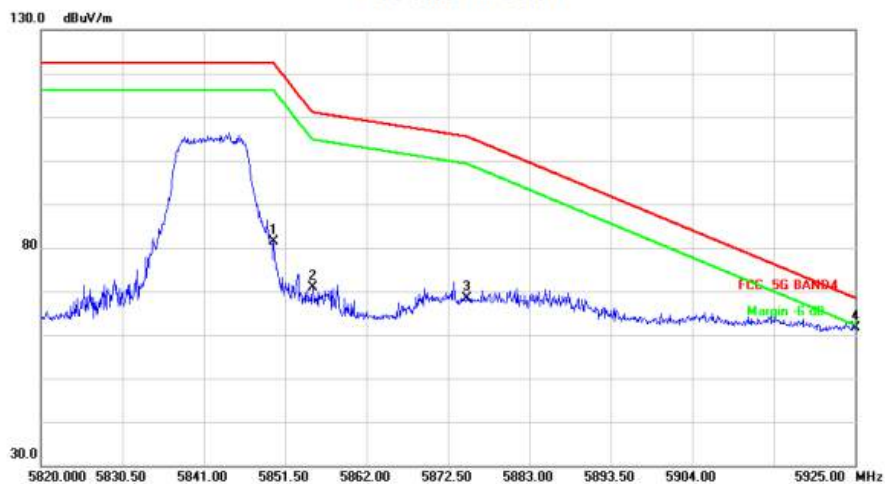
HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	11684.000	43.51	7.87	51.38	74.00	-22.62	peak		

Radiated Emission



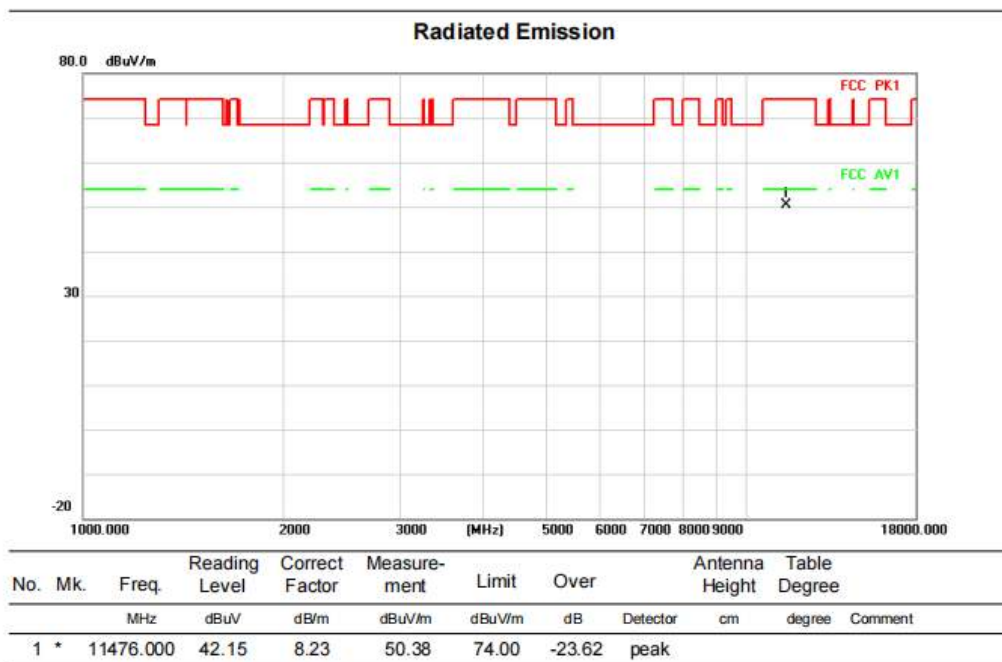
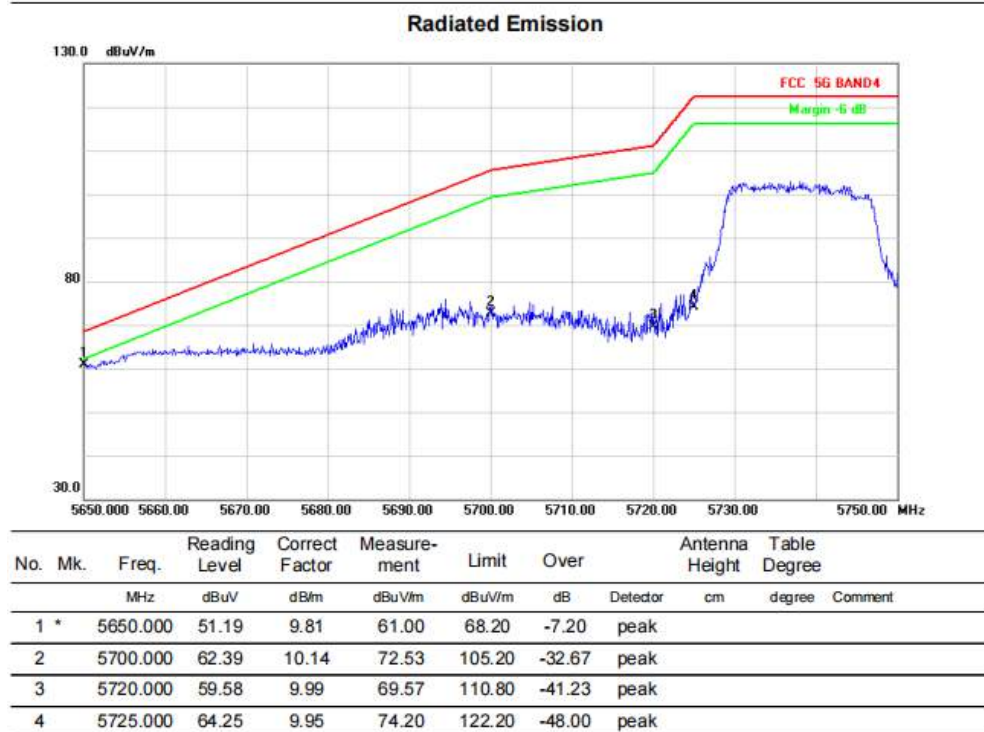
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		5850.000	70.22	11.10	81.32	122.20	-40.88	peak		
2		5855.000	59.89	11.04	70.93	110.80	-39.87	peak		
3		5875.000	57.56	10.80	68.36	105.20	-36.84	peak		
4	*	5925.000	50.79	10.85	61.64	68.20	-6.56	peak		

Above 1GHz (1GHz~18GHz)

Test mode: 20MHz-MIMO

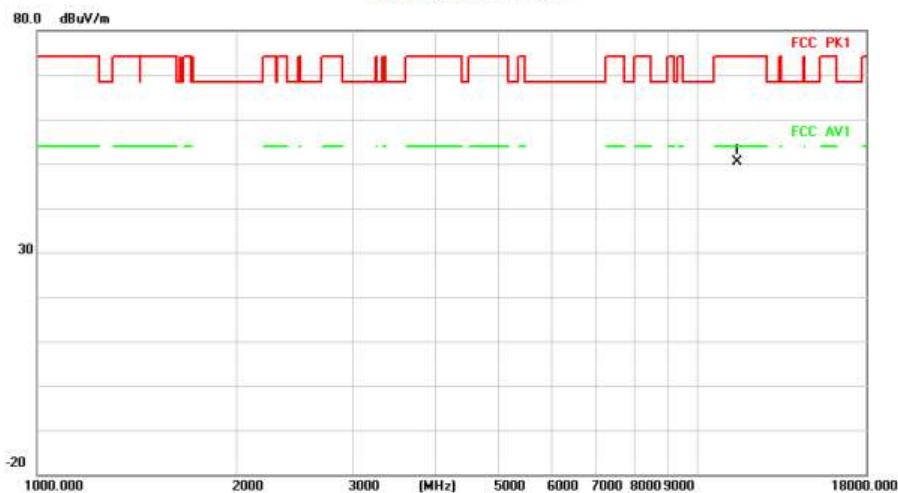
Test Channel:1

VERTICAL



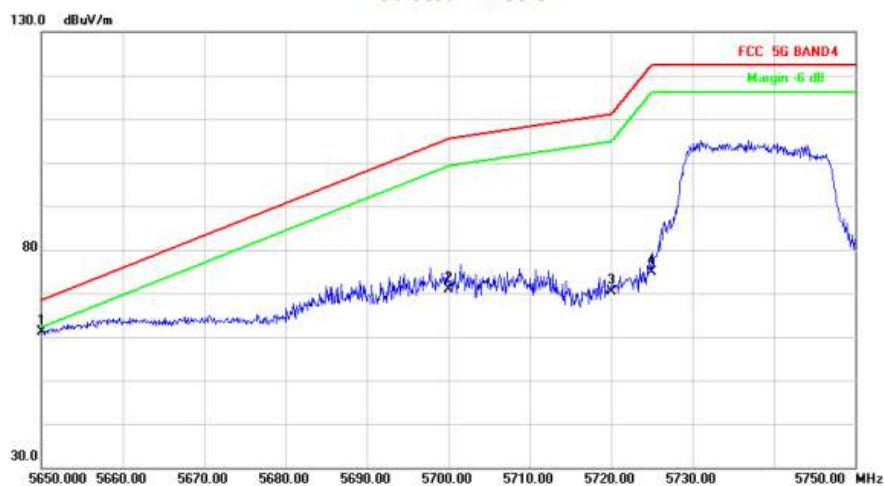
HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	11476.000	42.25	8.23	50.48	74.00	-23.52 peak		

Radiated Emission



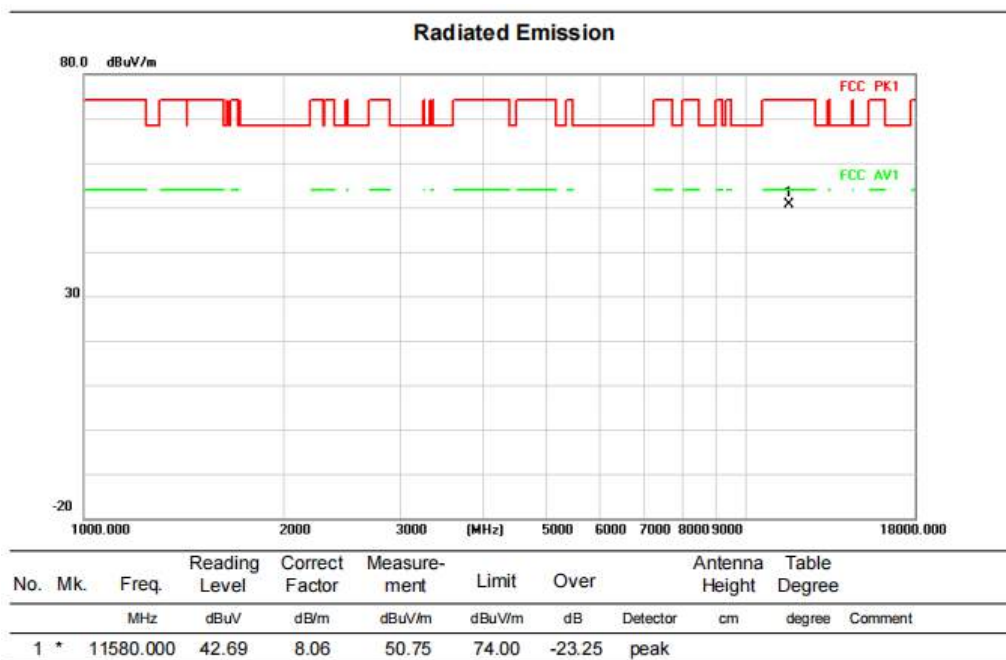
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	5650.000	51.27	9.81	61.08	68.20	-7.12 peak		
2		5700.000	60.70	10.14	70.84	105.20	-34.36 peak		
3		5720.000	60.36	9.99	70.35	110.80	-40.45 peak		
4		5725.000	64.90	9.95	74.85	122.20	-47.35 peak		

Above 1GHz (1GHz~18GHz)

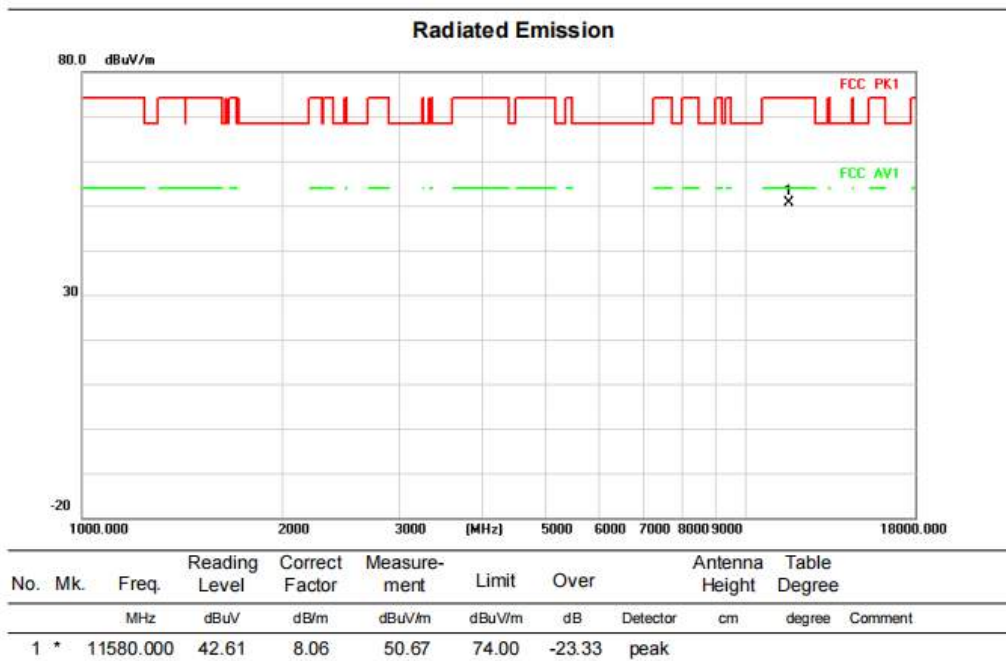
Test mode: 20MHz-MIMO

Test Channel:53

VERTICAL



HORIZONTAL

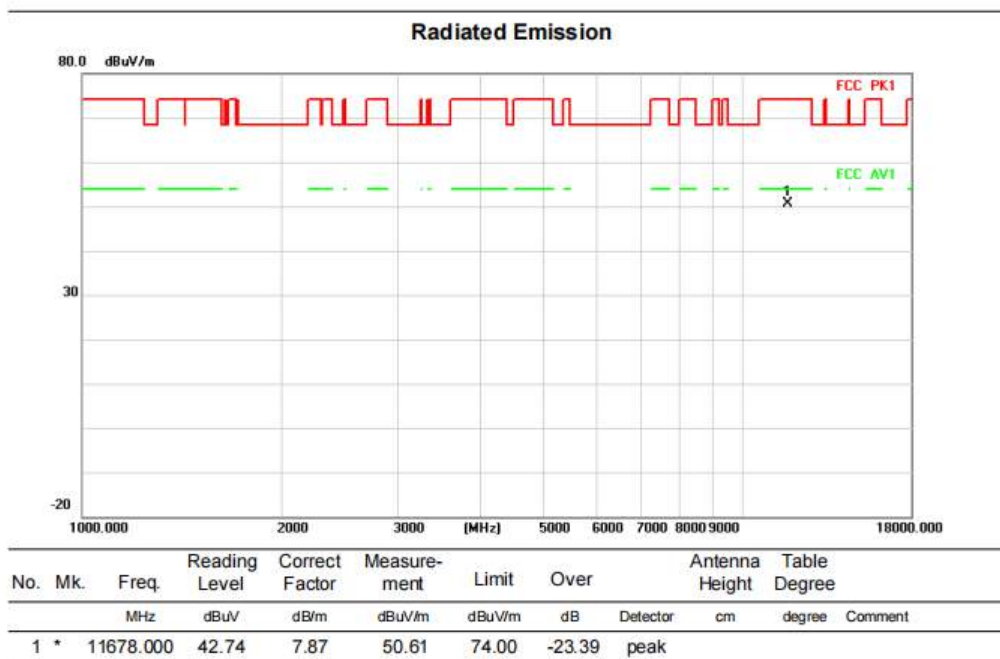
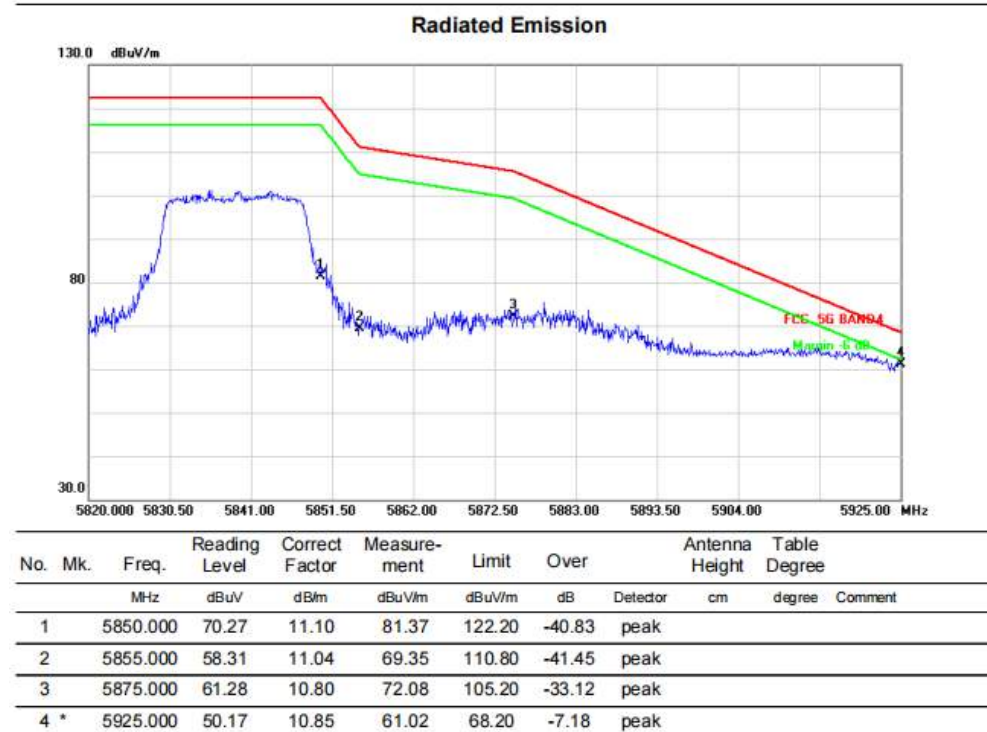


Above 1GHz (1GHz~18GHz)

Test mode: 20MHz-MIMO

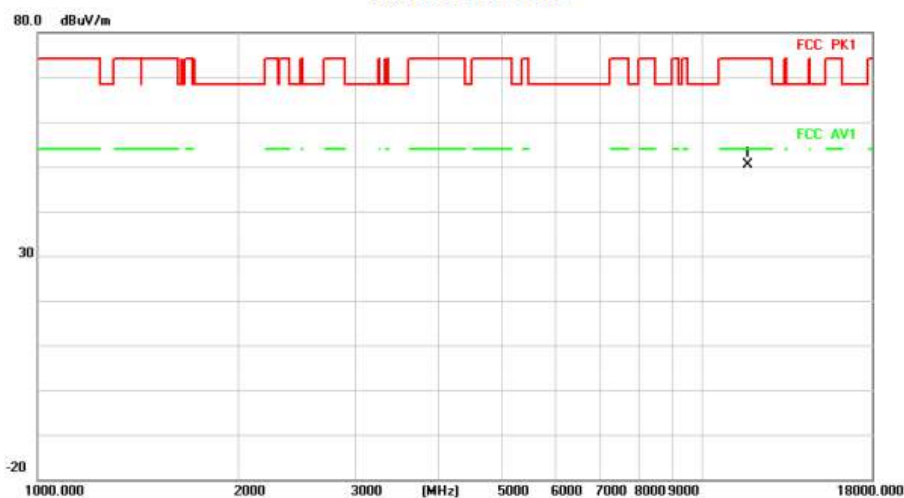
Test Channel:102

VERTICAL



HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	11678.000	42.42	7.87	50.29	74.00	-23.71	peak	

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1		5850.000	72.95	11.10	84.05	122.20	-38.15	peak	
2		5855.000	61.90	11.04	72.94	110.80	-37.86	peak	
3		5875.000	60.66	10.80	71.46	105.20	-33.74	peak	
4	*	5925.000	50.51	10.85	61.36	68.20	-6.84	peak	

Module 2 CP1:

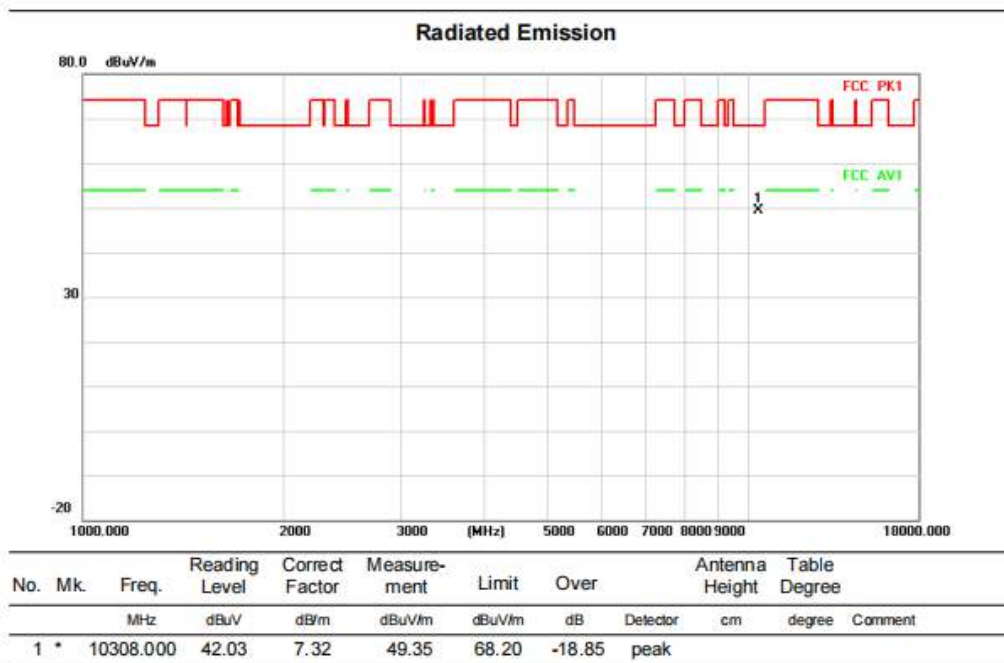
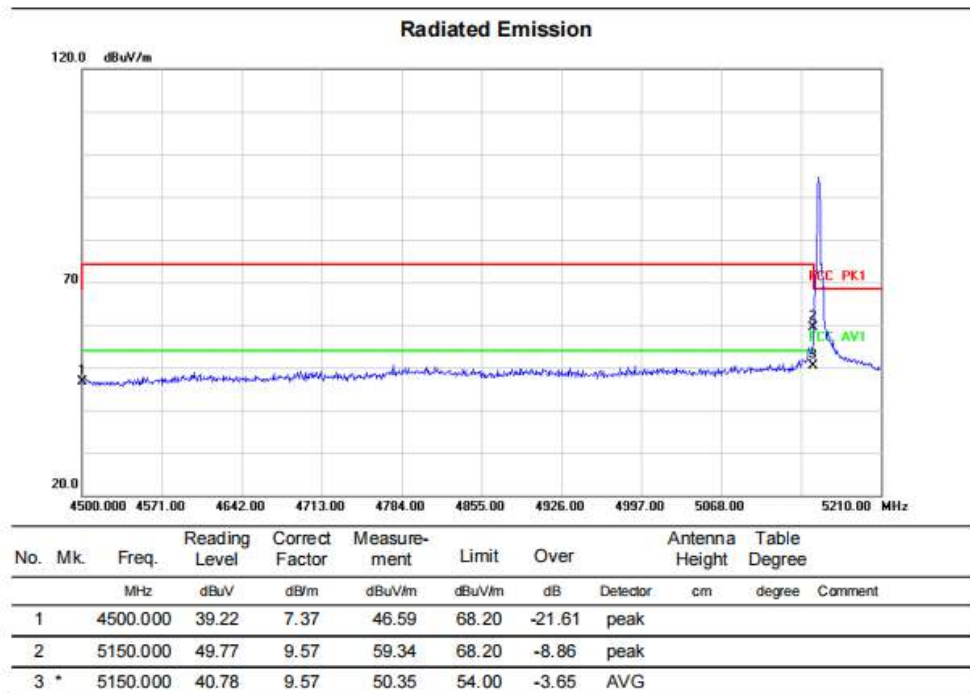
For 5.2G:

Above 1GHz (1GHz~18GHz)

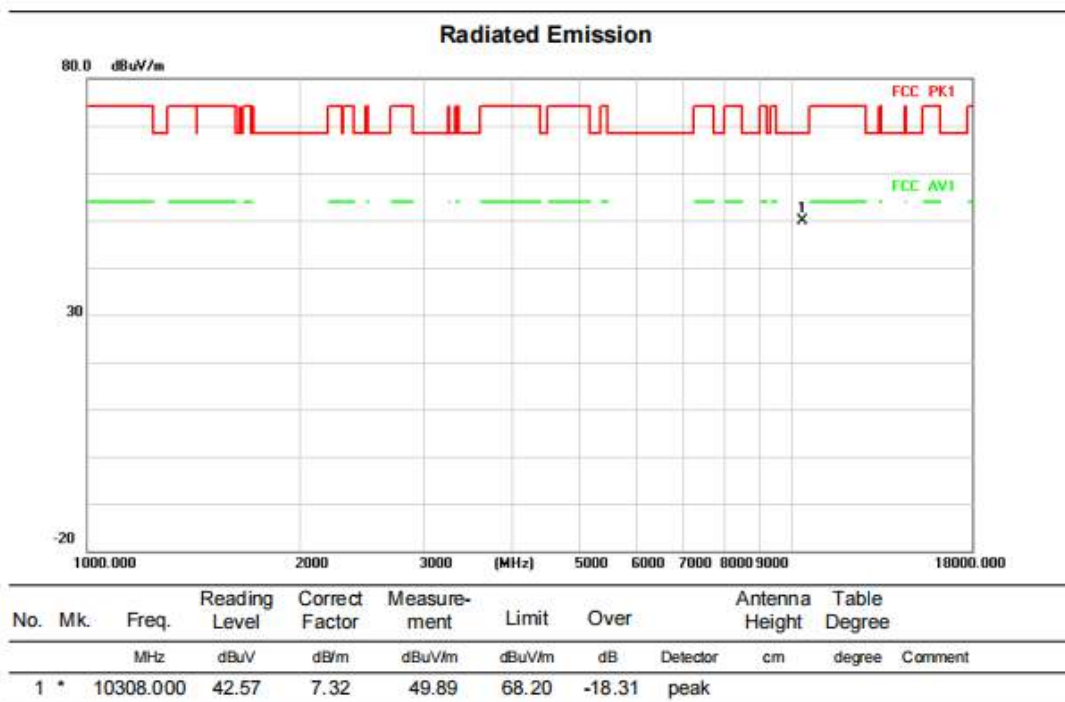
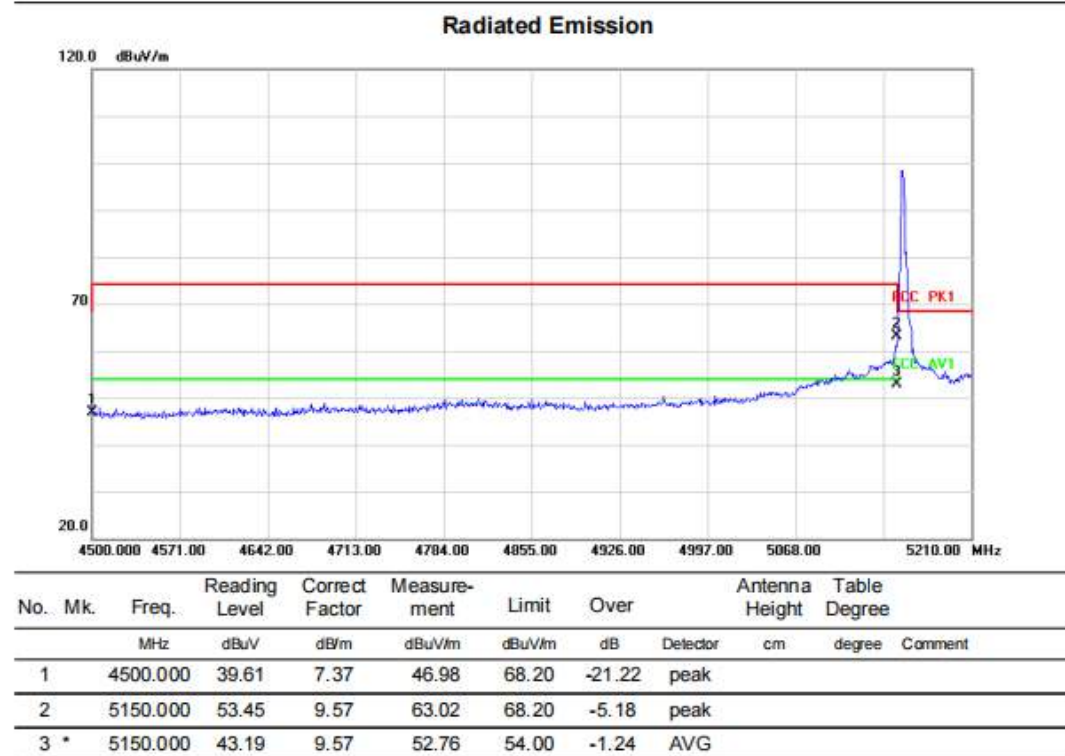
Test mode:1.4MHz-MIMO

Test Channel:1

VERTICAL



HORIZONTAL

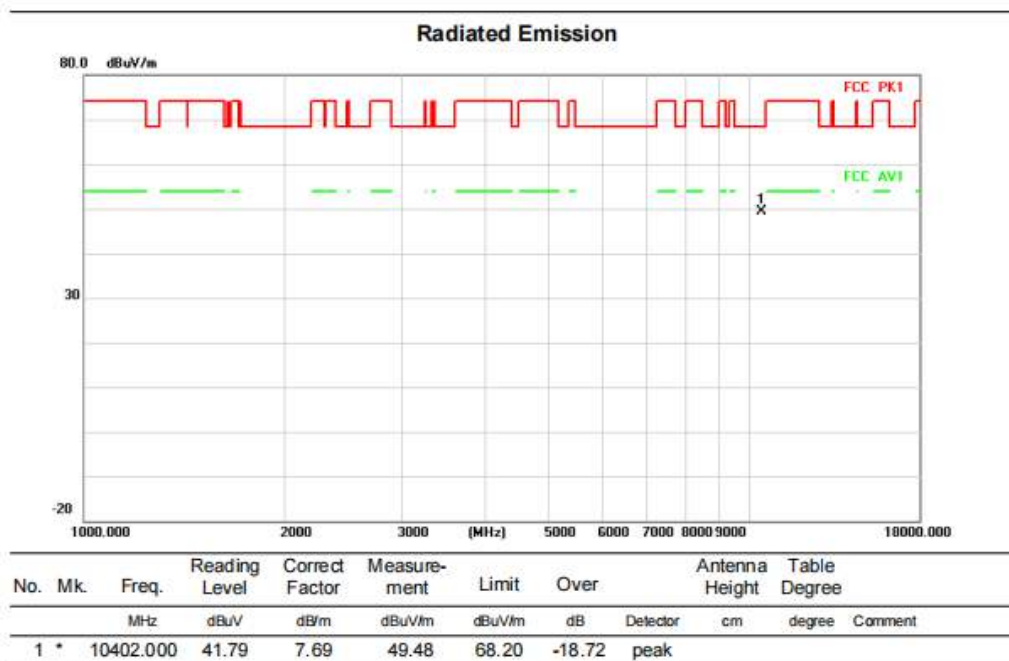


Above 1GHz (1GHz~18GHz)

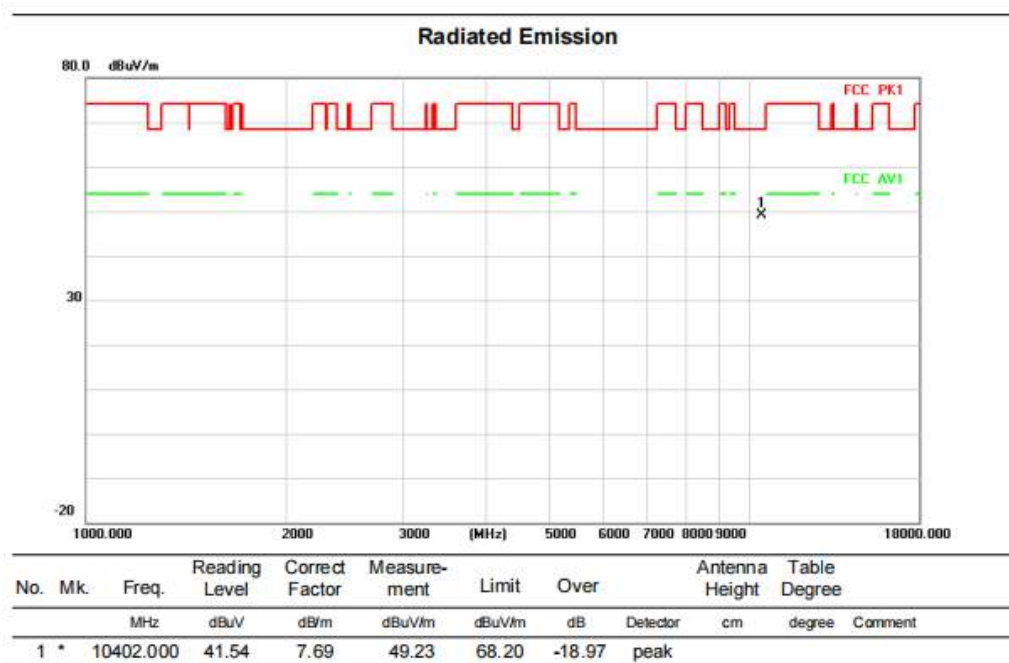
Test mode: 1.4MHz-MIMO

Test Channel:48

VERTICAL



HORIZONTAL

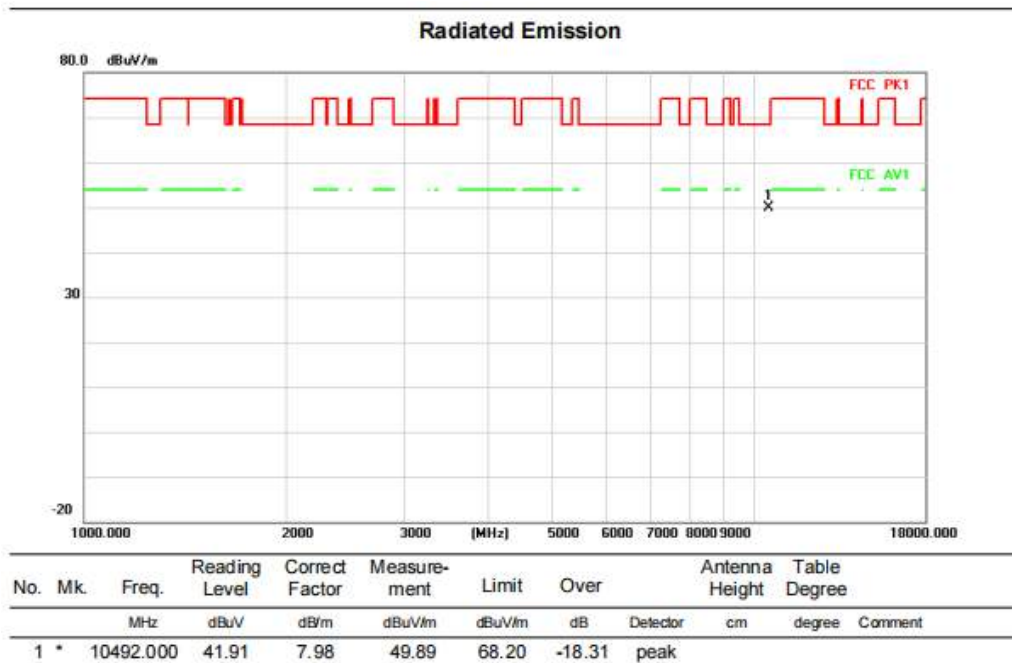


Above 1GHz (1GHz~18GHz)

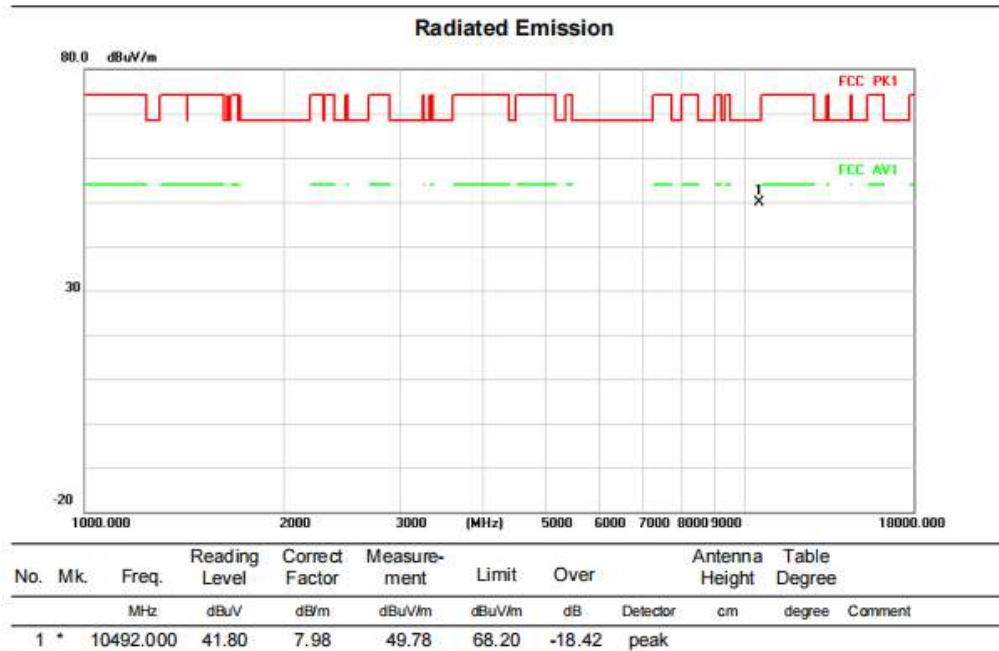
Test mode: 1.4MHz-MIMO

Test Channel:93

VERTICAL



HORIZONTAL

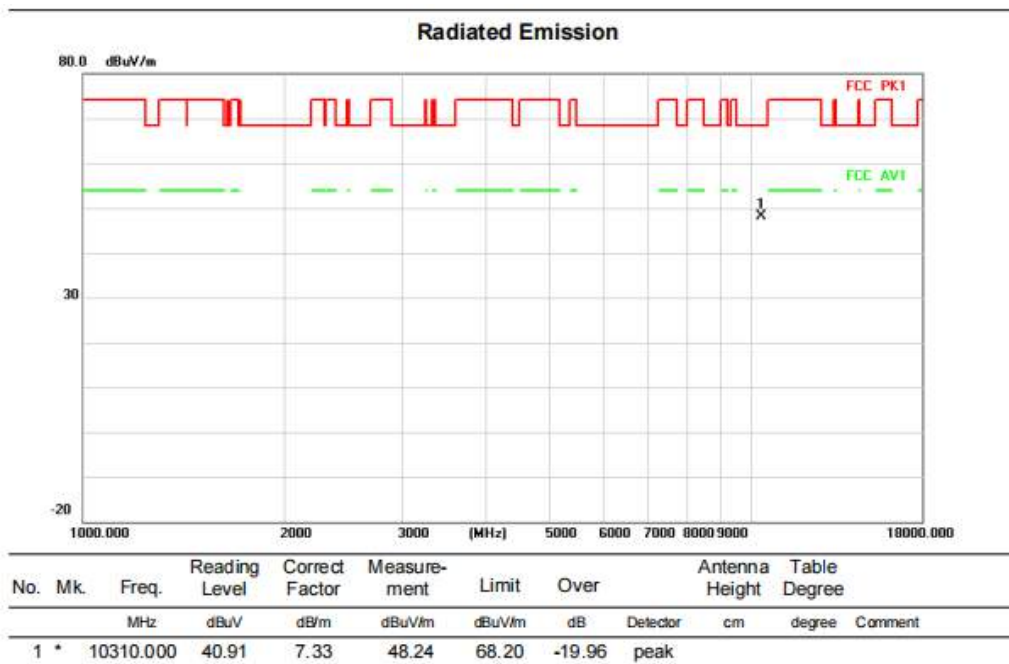
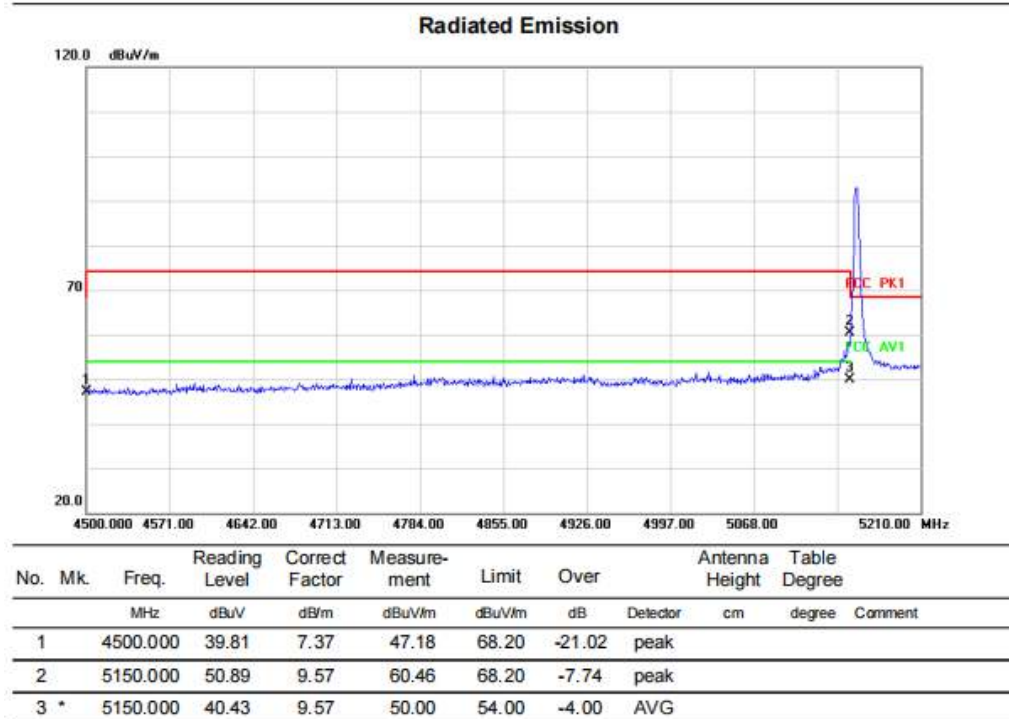


Above 1GHz (1GHz~18GHz)

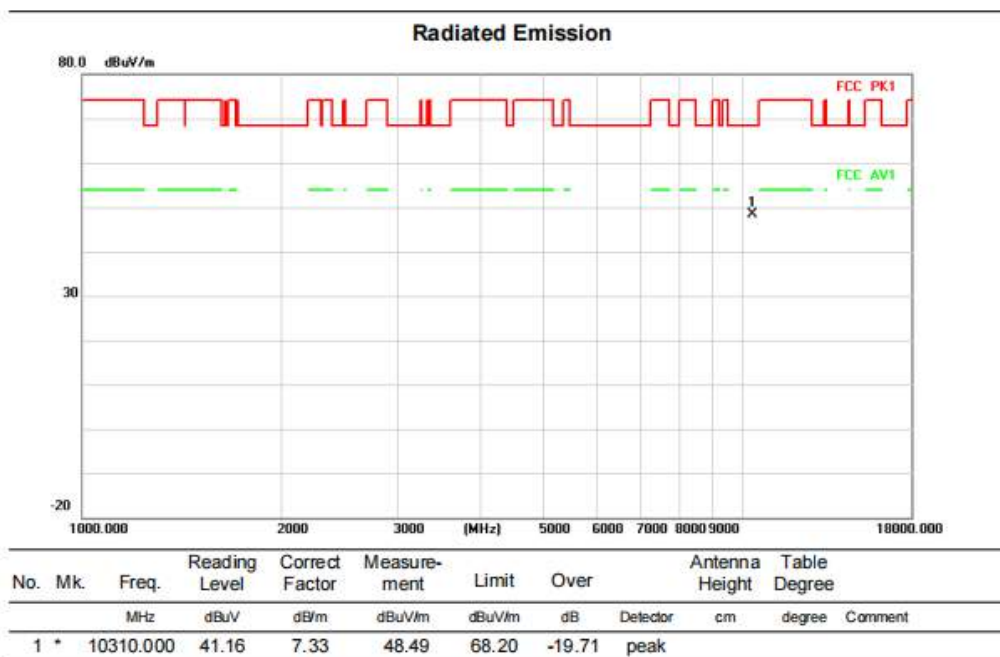
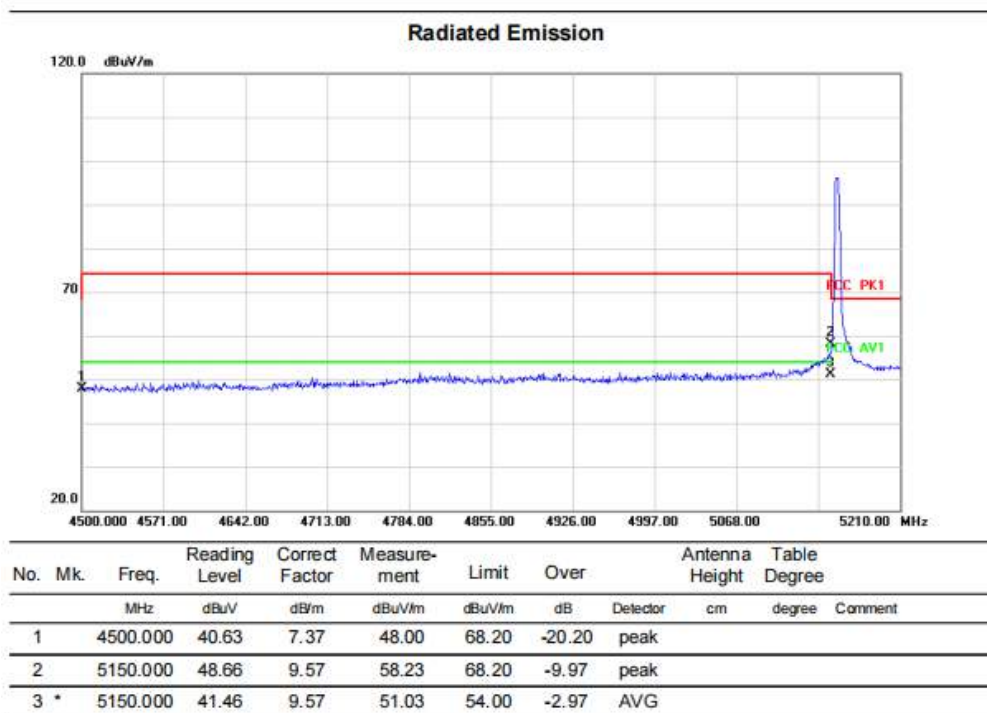
Test mode: 3MHz-MIMO

Test Channel:1

VERTICAL



HORIZONTAL

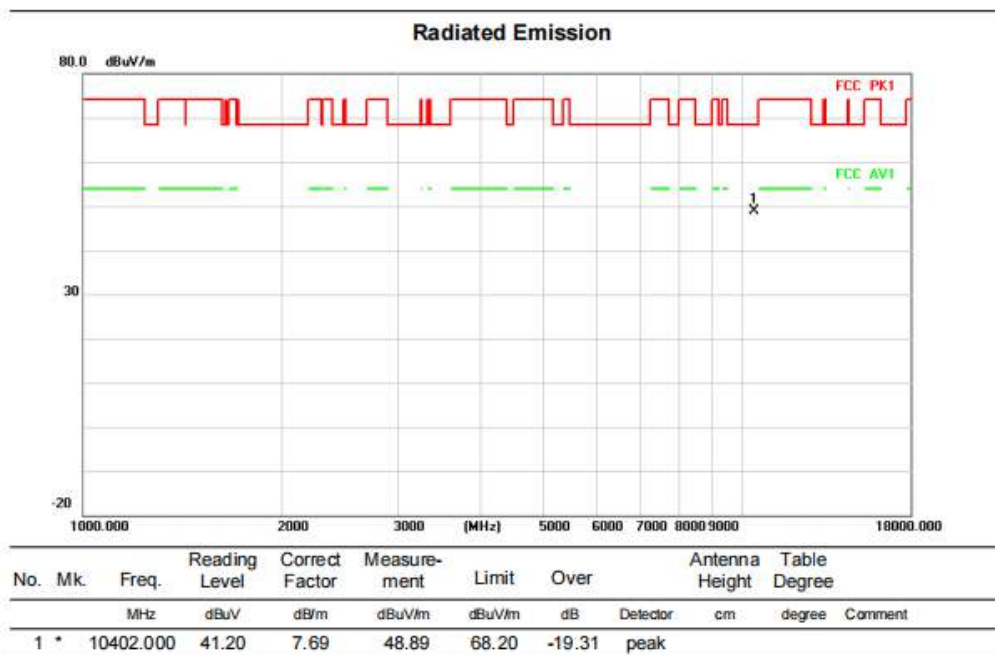


Above 1GHz (1GHz~18GHz)

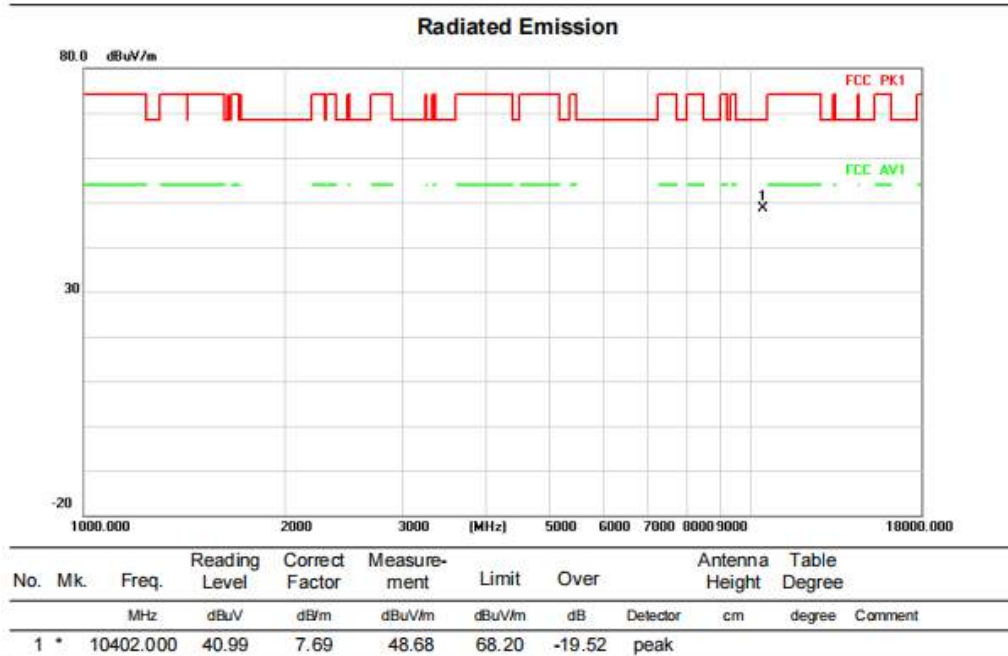
Test mode: 3MHz-MIMO

Test Channel:47

VERTICAL



HORIZONTAL

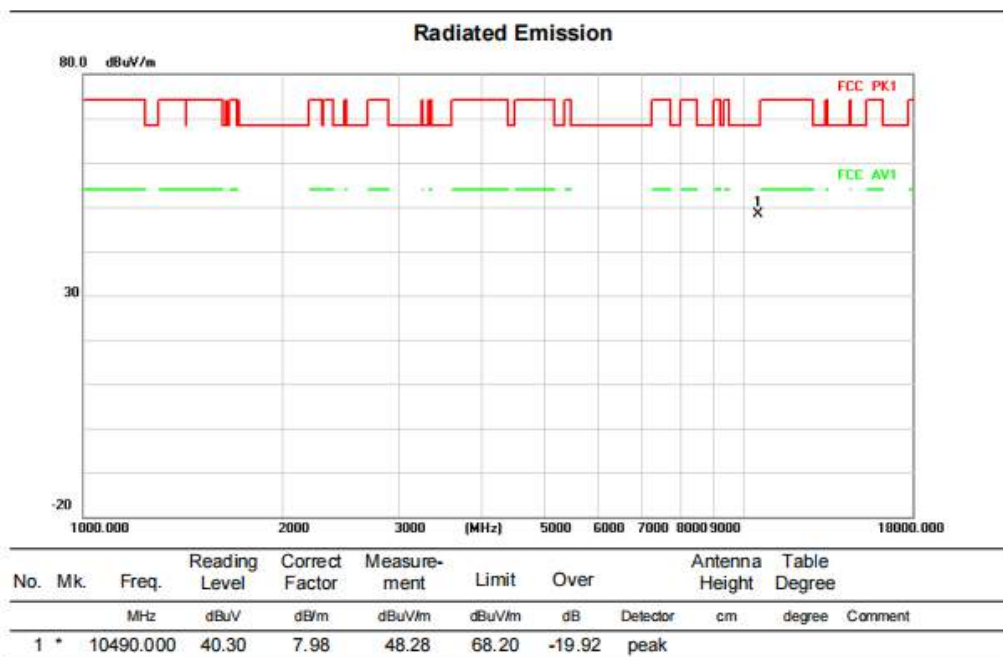


Above 1GHz (1GHz~18GHz)

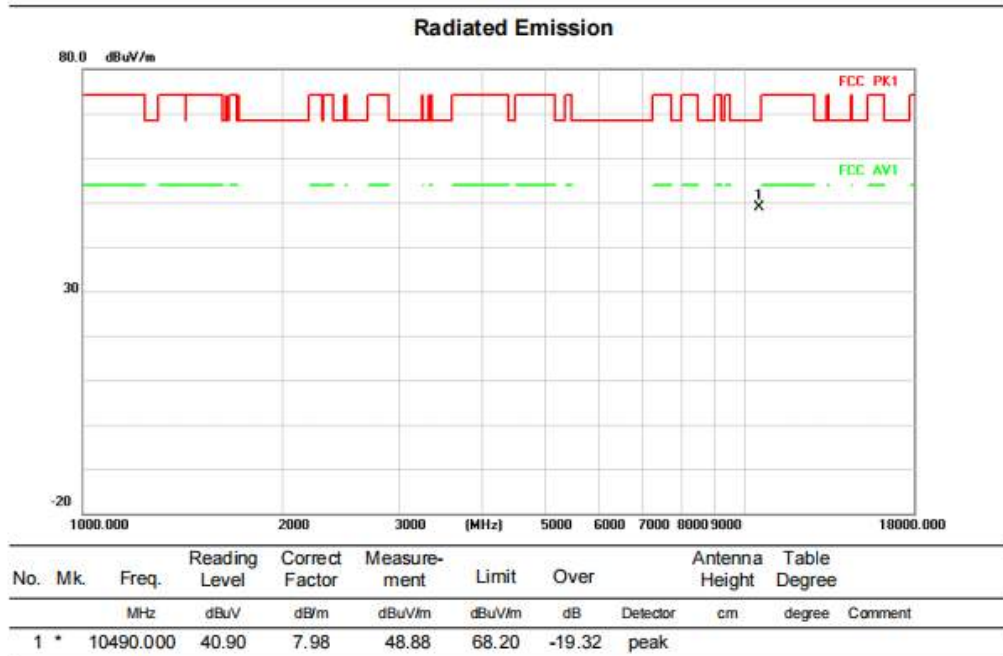
Test mode: 3MHz-MIMO

Test Channel:91

VERTICAL



HORIZONTAL

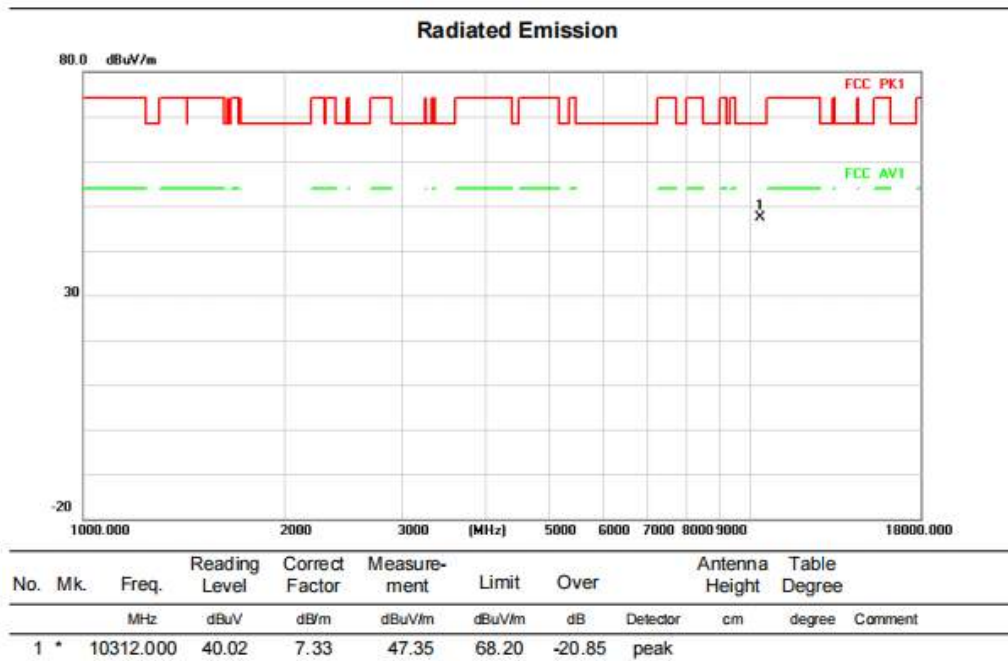
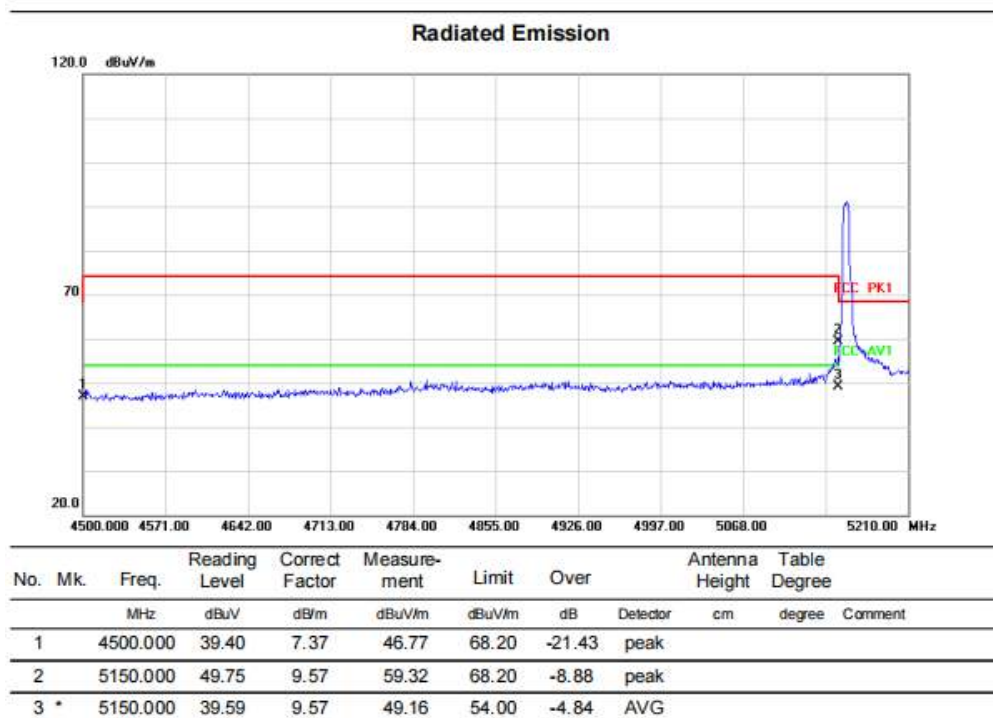


Above 1GHz (1GHz~18GHz)

Test mode: 5MHz-MIMO

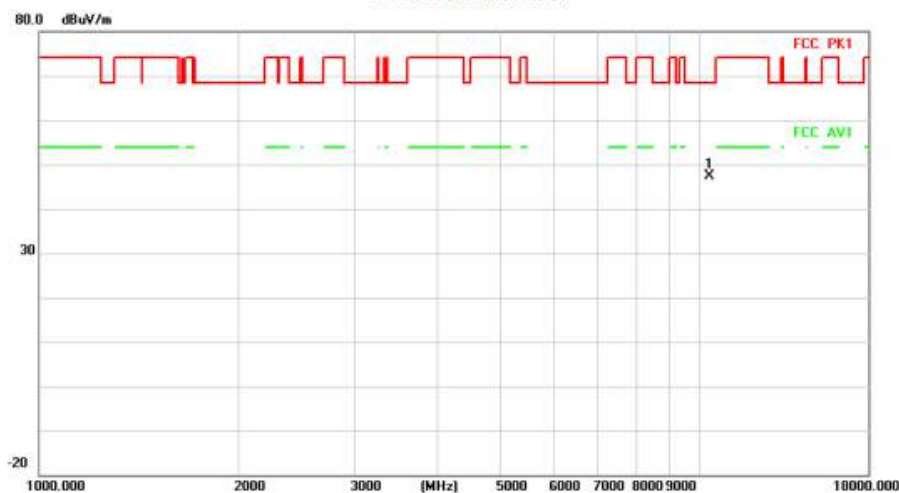
Test Channel:1

VERTICAL



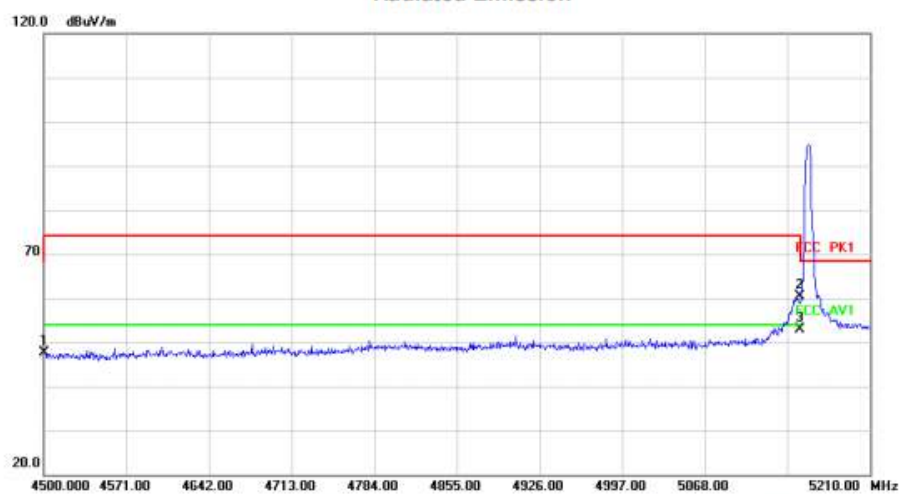
HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	10312.000	40.14	7.33	47.47	68.20	-20.73	peak	

Radiated Emission



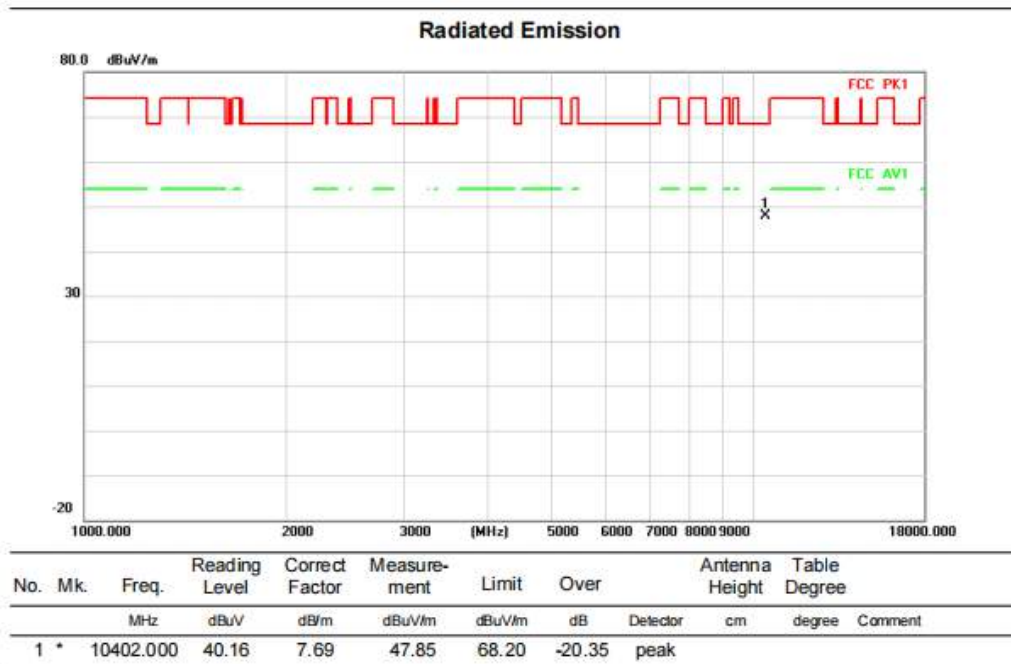
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1		4500.000	40.20	7.37	47.57	68.20	-20.63	peak	
2		5150.000	50.80	9.57	60.37	68.20	-7.83	peak	
3	*	5150.000	43.39	9.57	52.96	54.00	-1.04	AVG	

Above 1GHz (1GHz~18GHz)

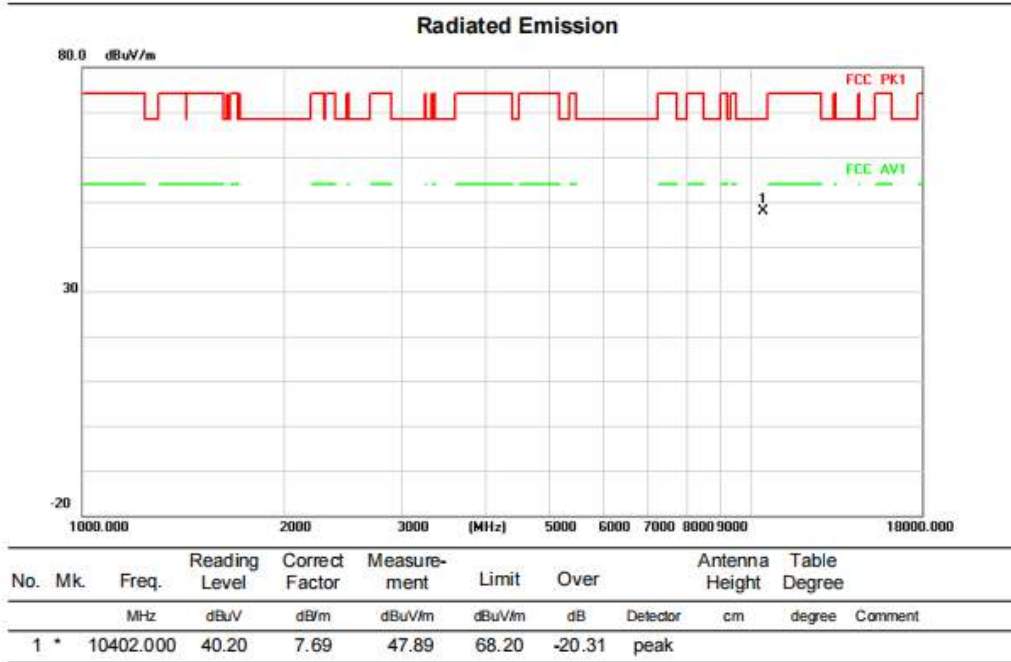
Test mode: 5MHz-MIMO

Test Channel:46

VERTICAL



HORIZONTAL

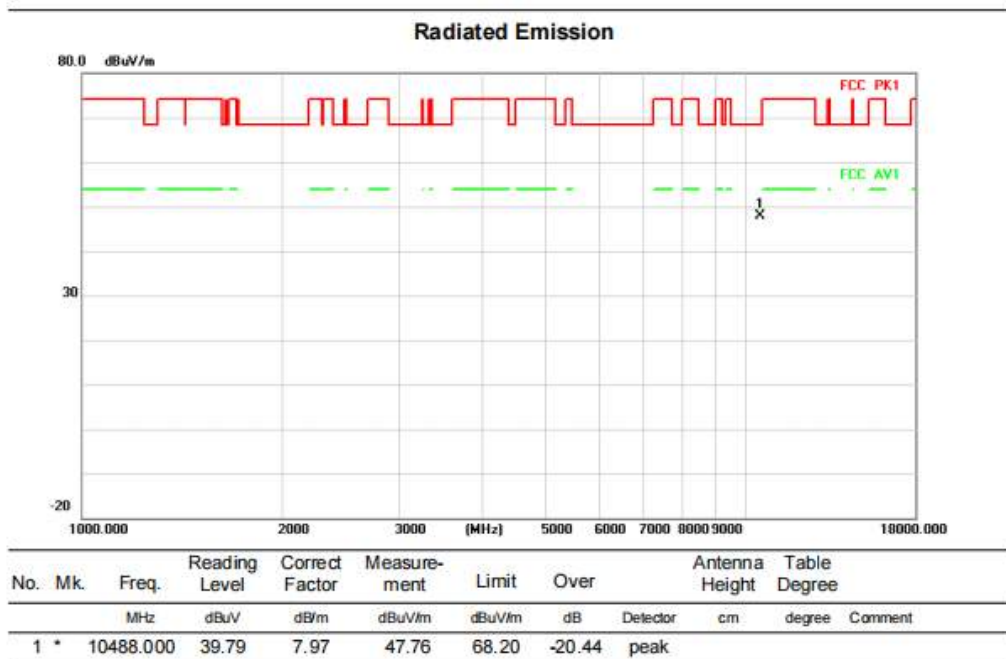


Above 1GHz (1GHz~18GHz)

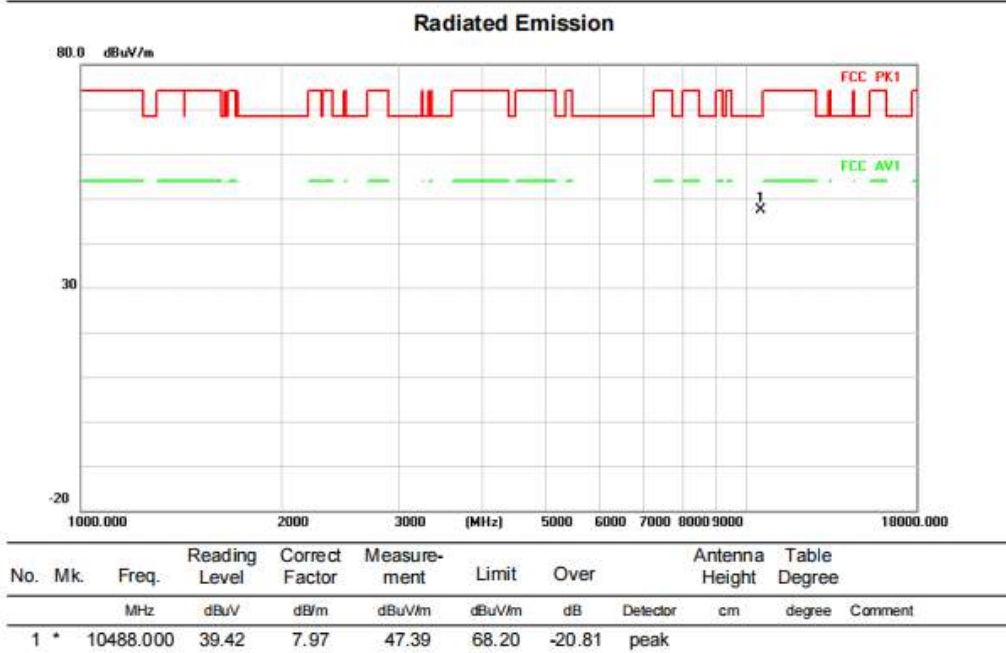
Test mode: 5MHz-MIMO

Test Channel:89

VERTICAL



HORIZONTAL

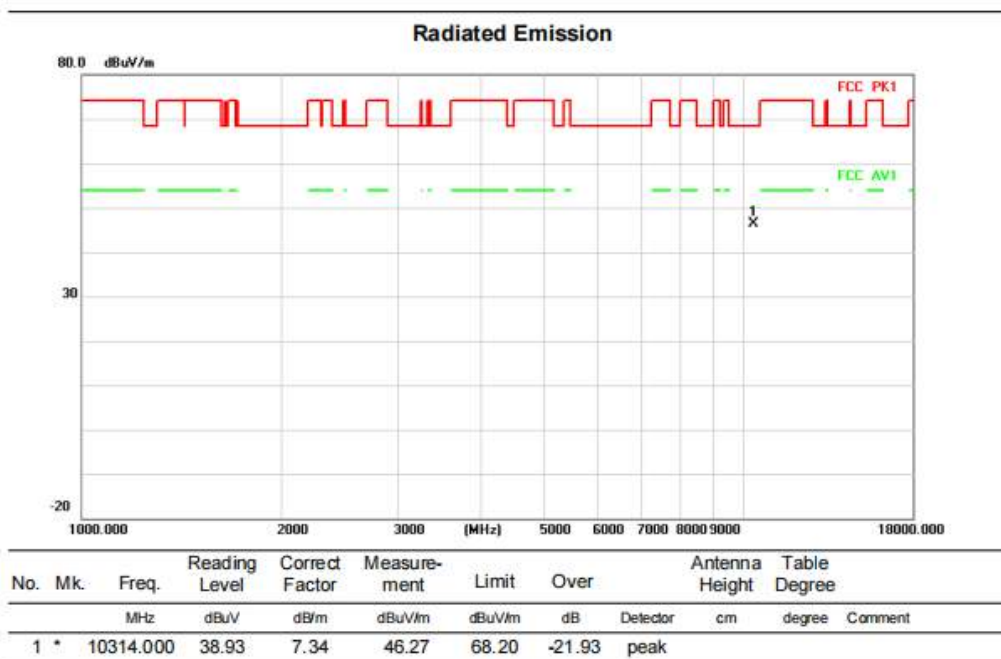
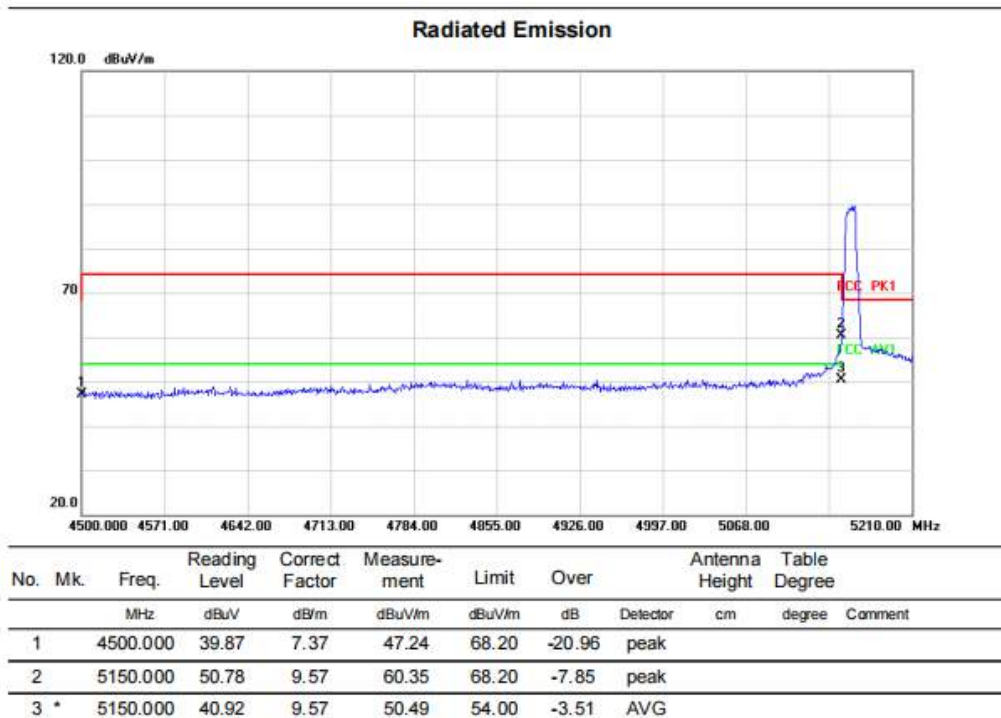


Above 1GHz (1GHz~18GHz)

Test mode: 10MHz-MIMO

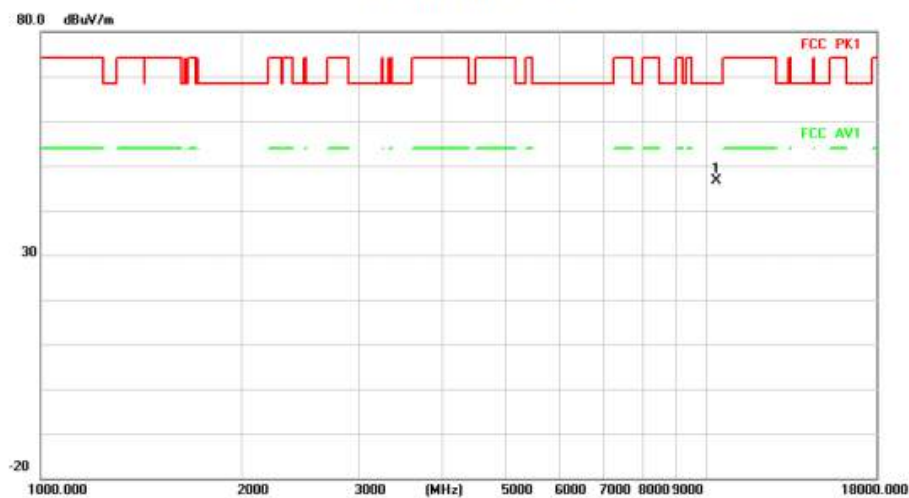
Test Channel:1

VERTICAL



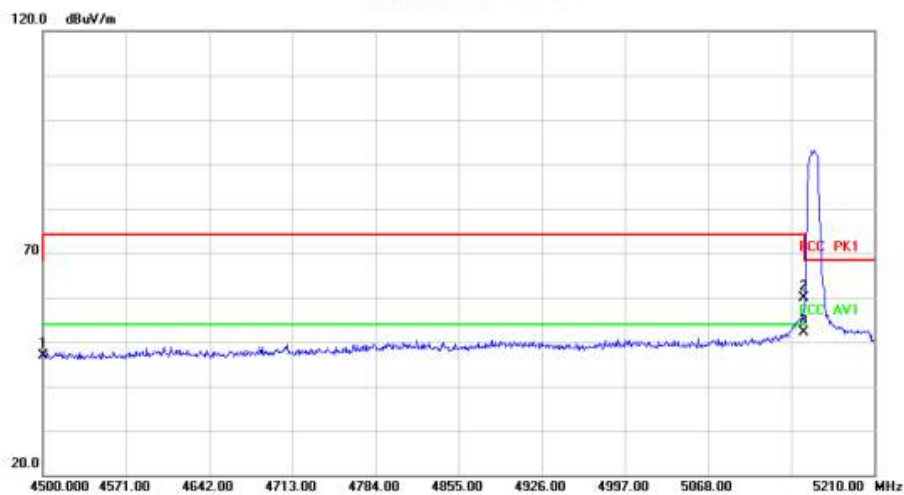
HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	10314.000	39.24	7.34	46.58	68.20	-21.62	peak	

Radiated Emission



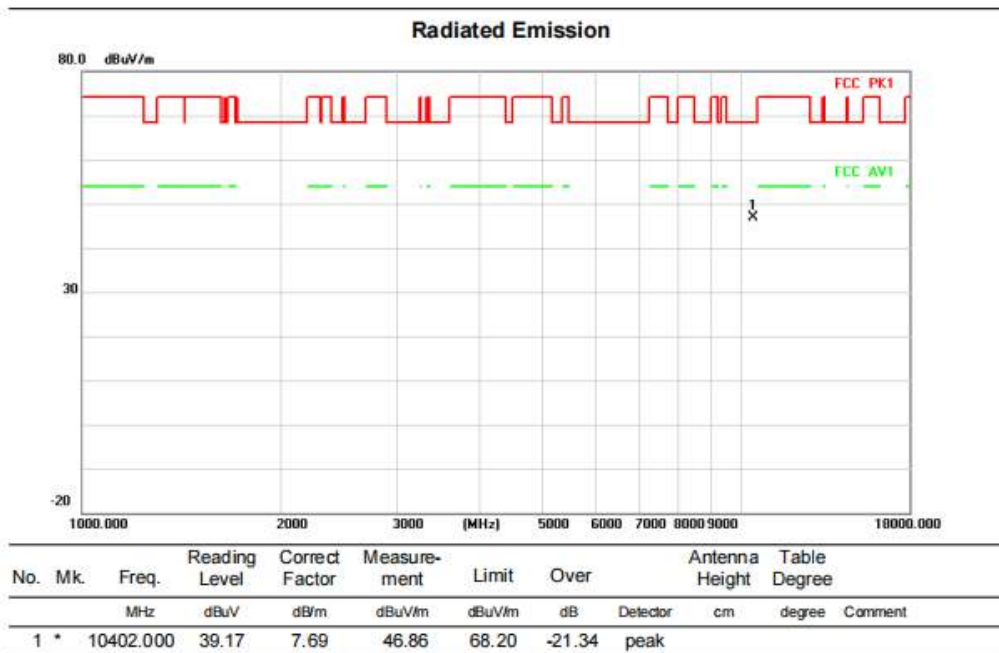
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1		4500.000	39.44	7.37	46.81	68.20	-21.39	peak	
2		5150.000	50.41	9.57	59.98	68.20	-8.22	peak	
3	*	5150.000	42.59	9.57	52.16	54.00	-1.84	AVG	

Above 1GHz (1GHz~18GHz)

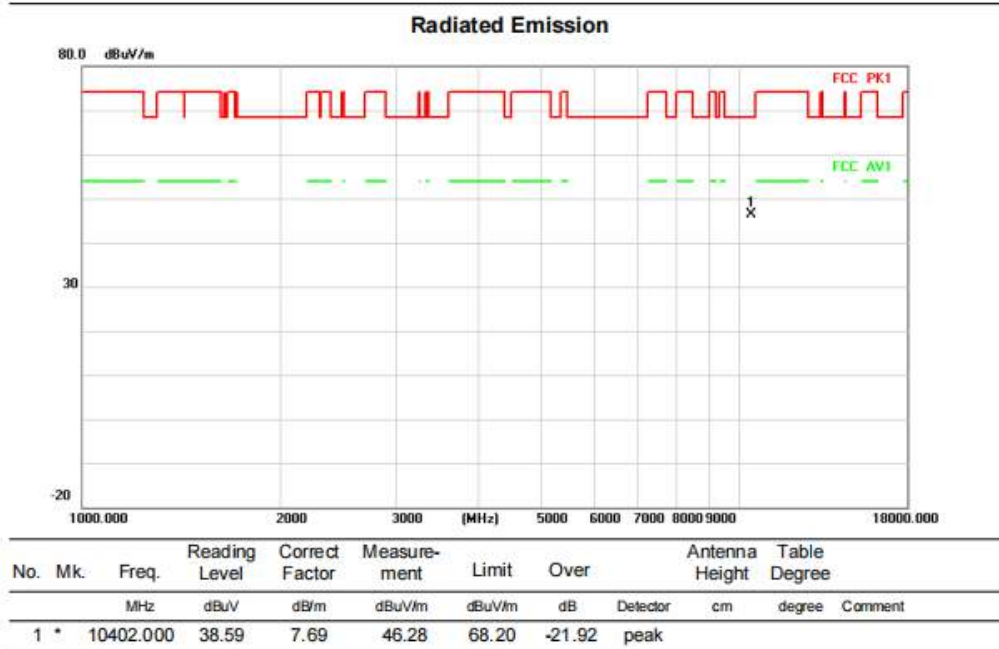
Test mode: 10MHz-MIMO

Test Channel:45

VERTICAL



HORIZONTAL

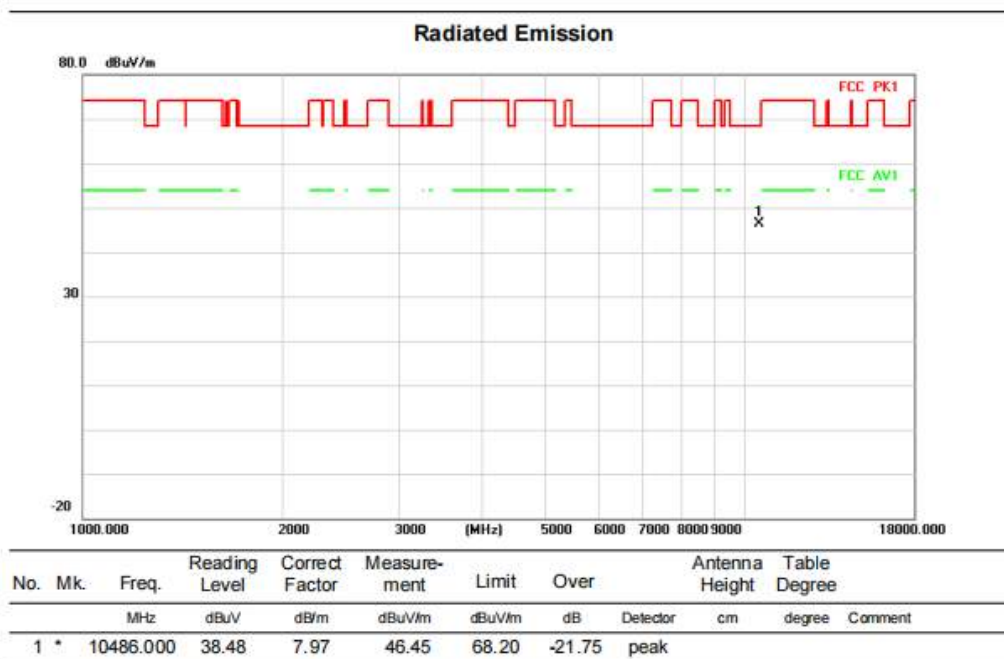


Above 1GHz (1GHz~18GHz)

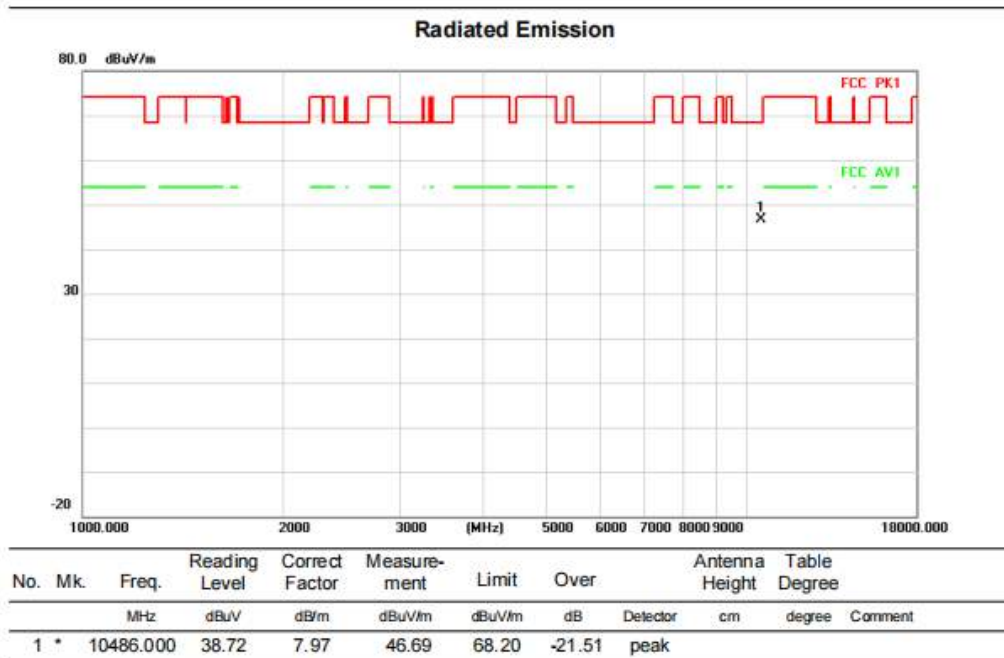
Test mode: 10MHz-MIMO

Test Channel:87

VERTICAL



HORIZONTAL

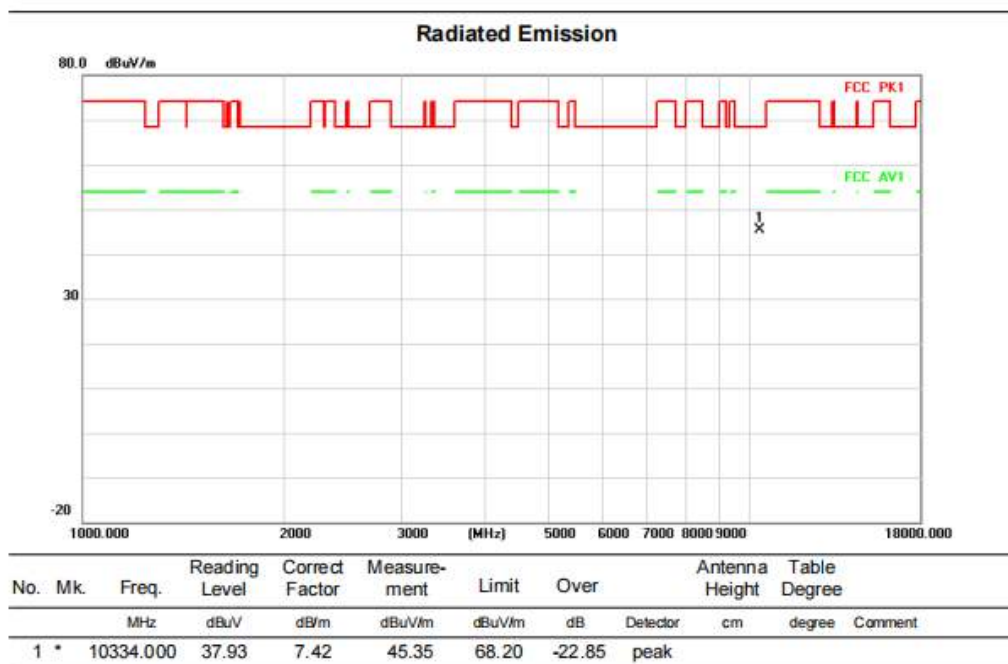
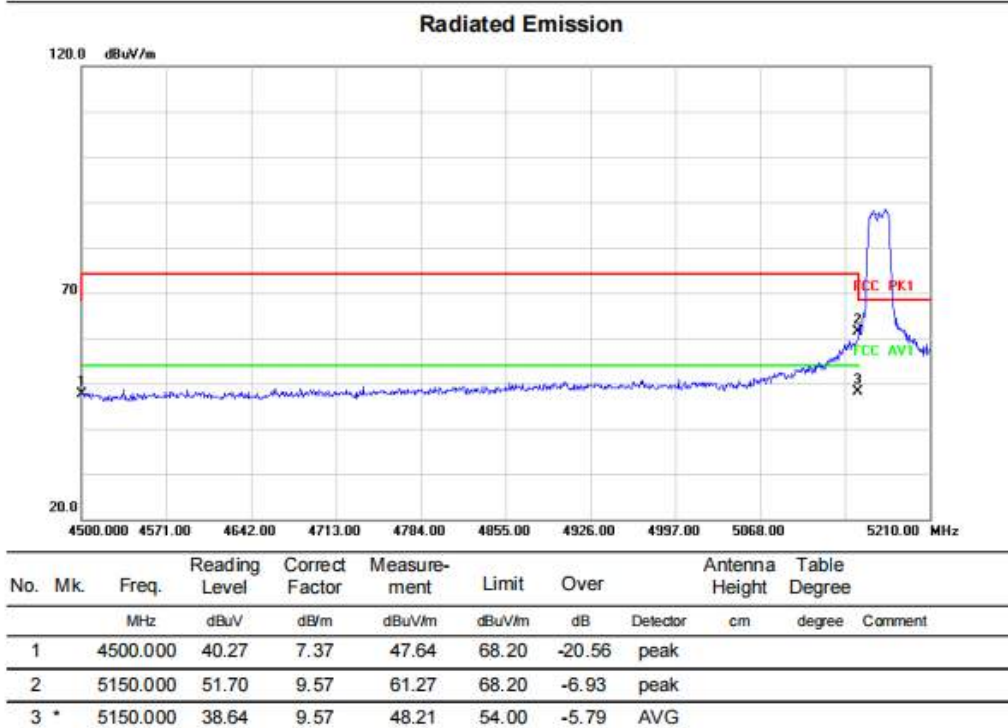


Above 1GHz (1GHz~18GHz)

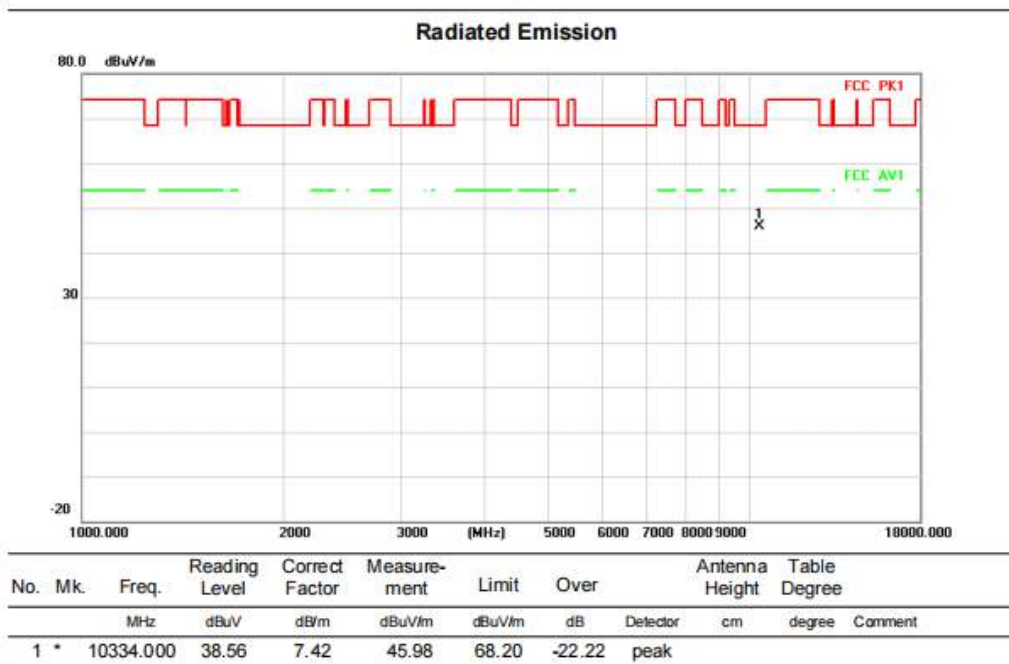
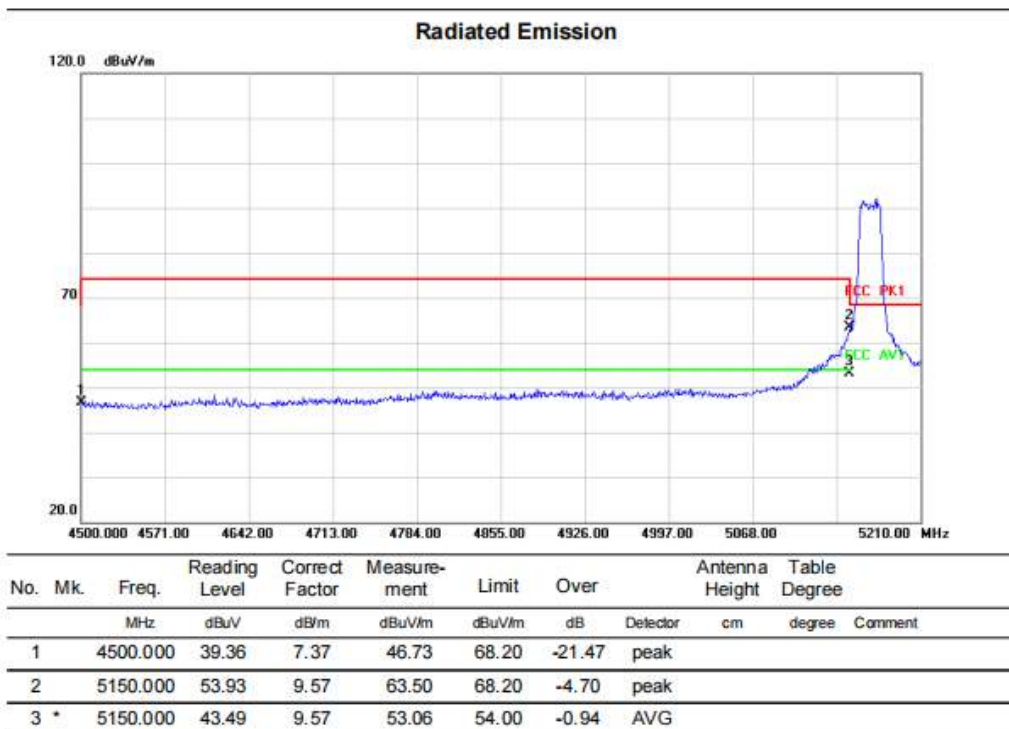
Test mode: 20MHz-MIMO

Test Channel:1

VERTICAL



HORIZONTAL

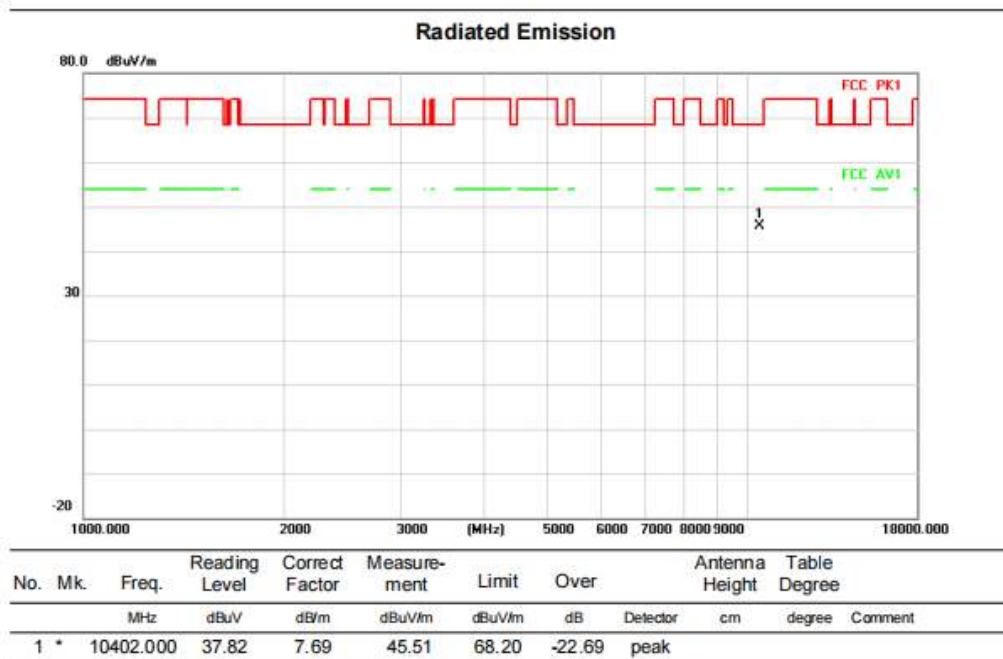


Above 1GHz (1GHz~18GHz)

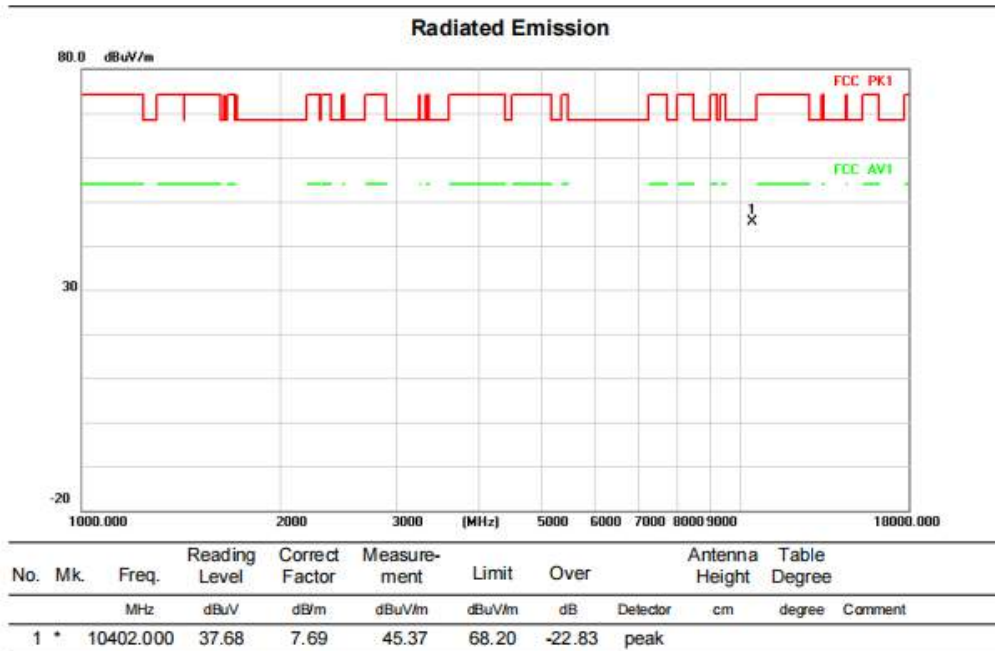
Test mode: 20MHz-MIMO

Test Channel:35

VERTICAL



HORIZONTAL

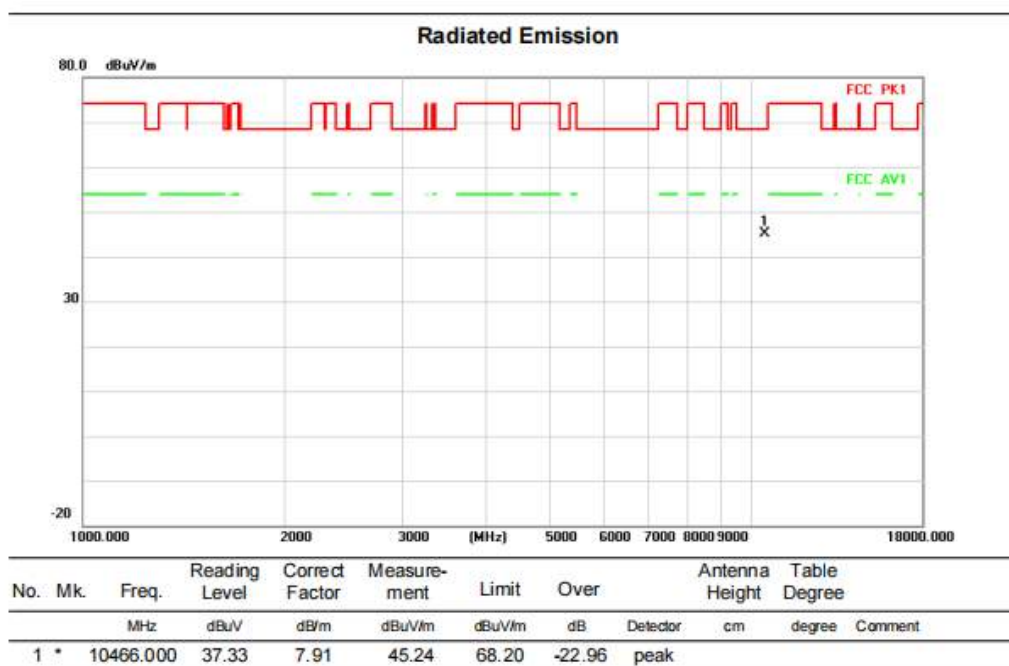


Above 1GHz (1GHz~18GHz)

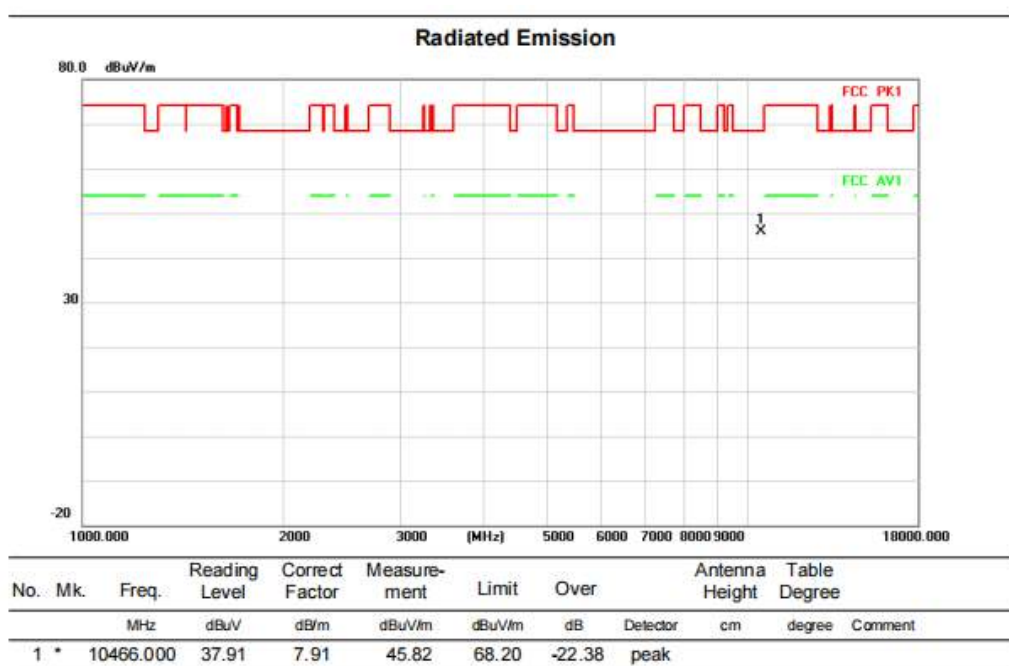
Test mode: 20MHz-MIMO

Test Channel:67

VERTICAL



HORIZONTAL



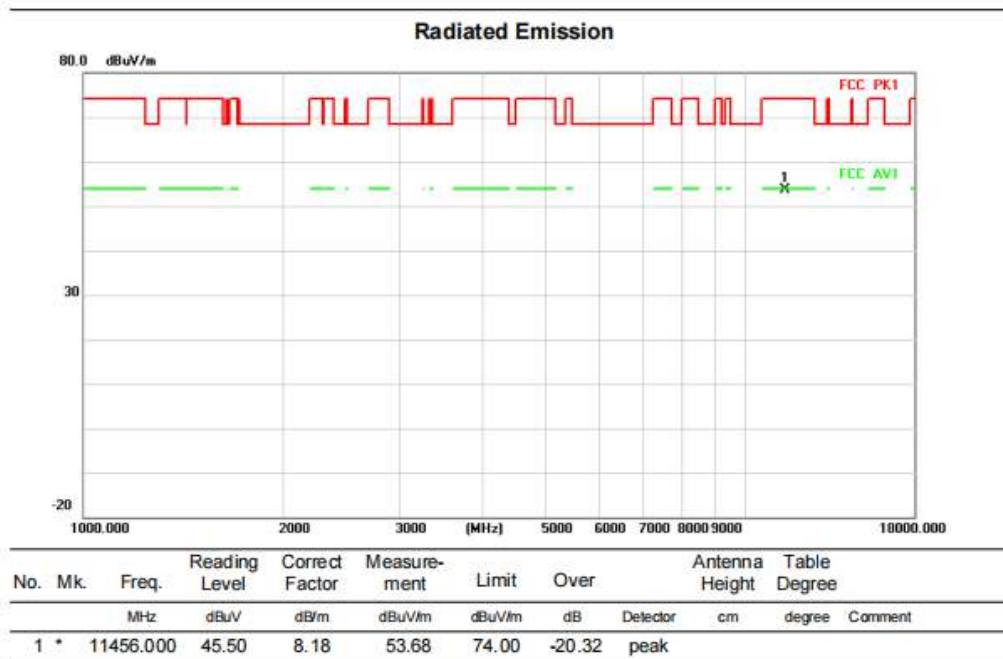
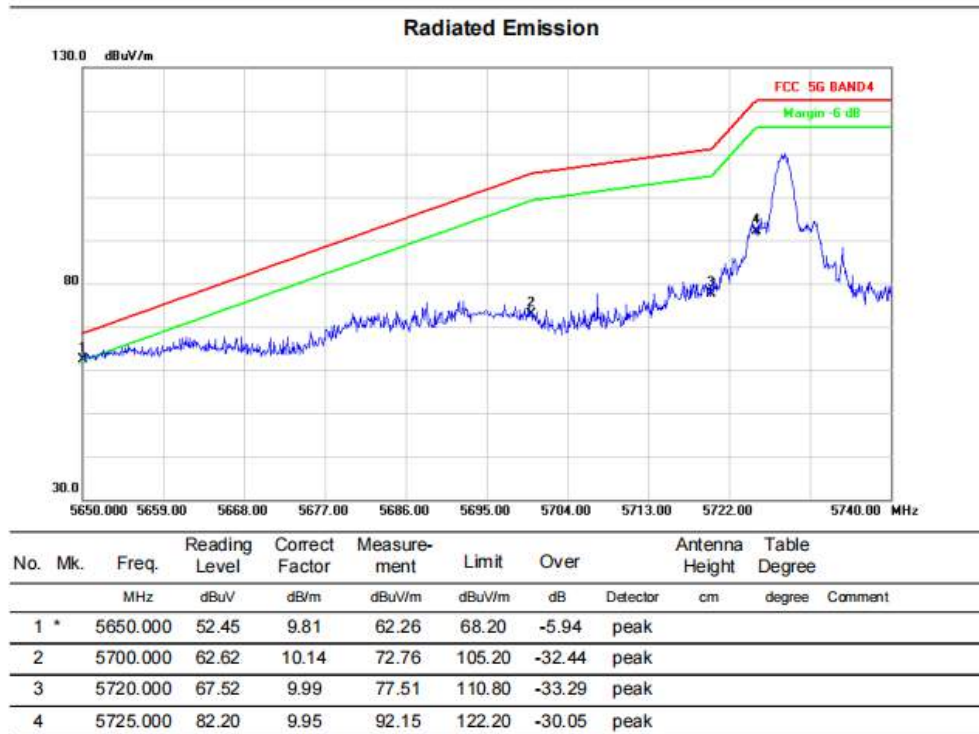
For 5.8G:

Above 1GHz (1GHz~18GHz)

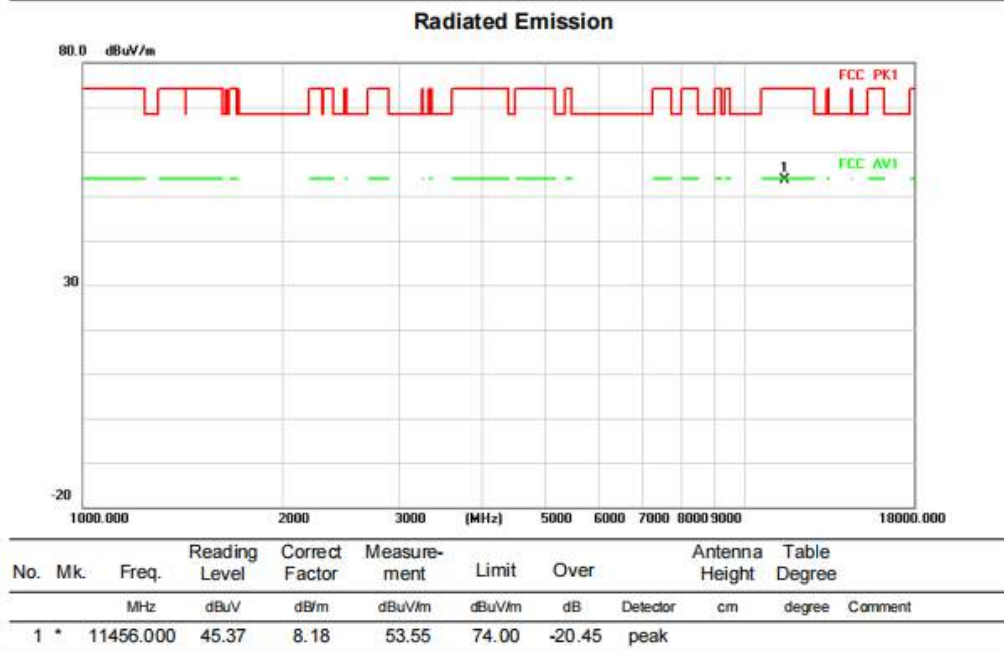
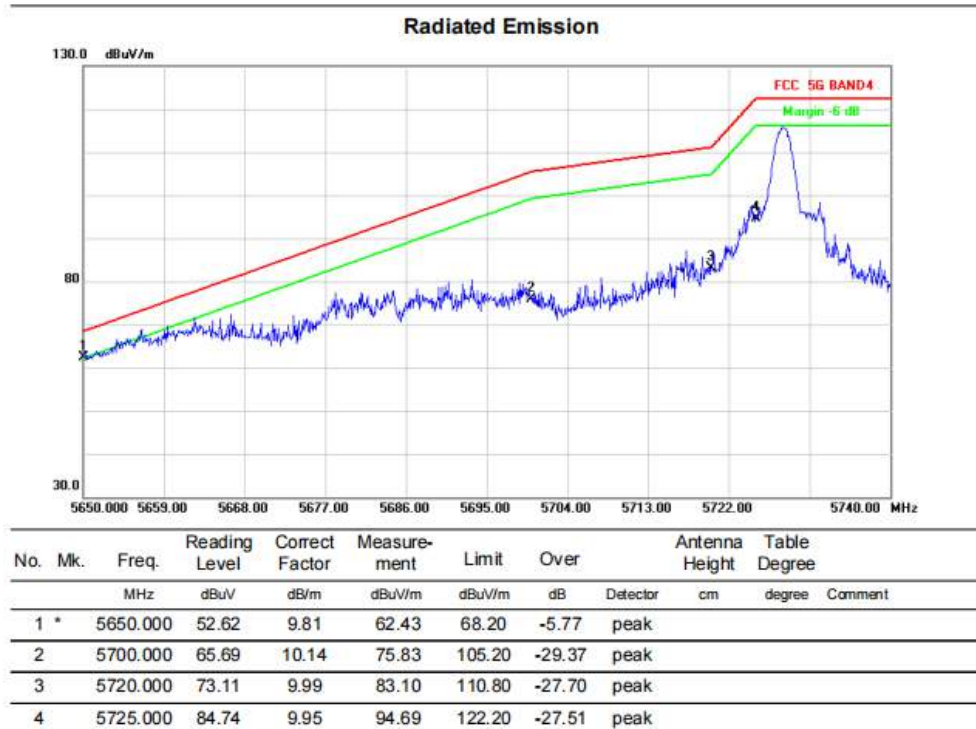
Test mode: 1.4MHz-MIMO

Test Channel:1

VERTICAL



HORIZONTAL

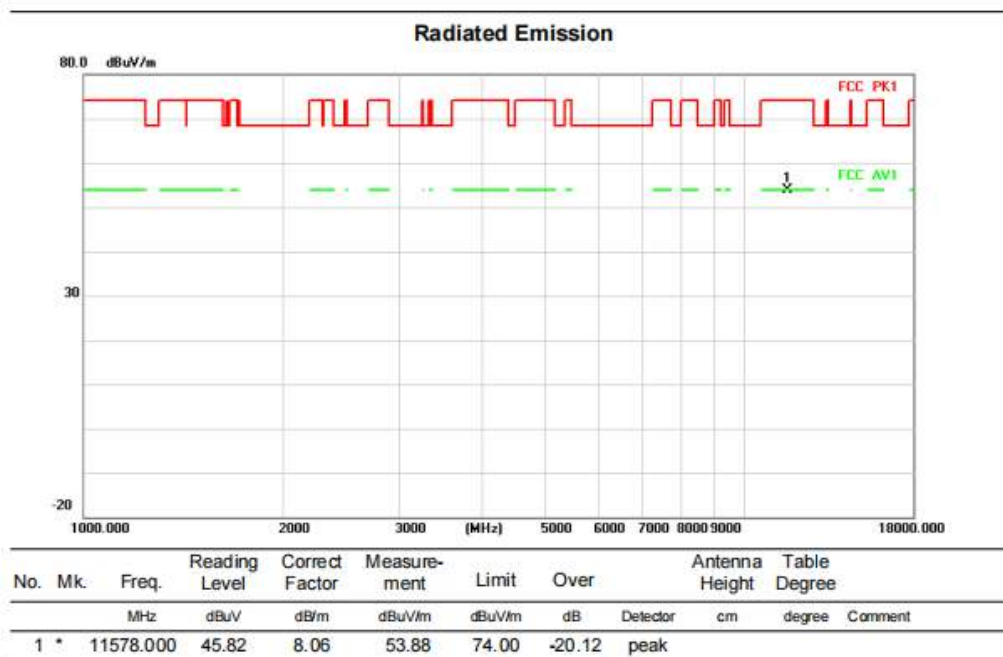


Above 1GHz (1GHz~18GHz)

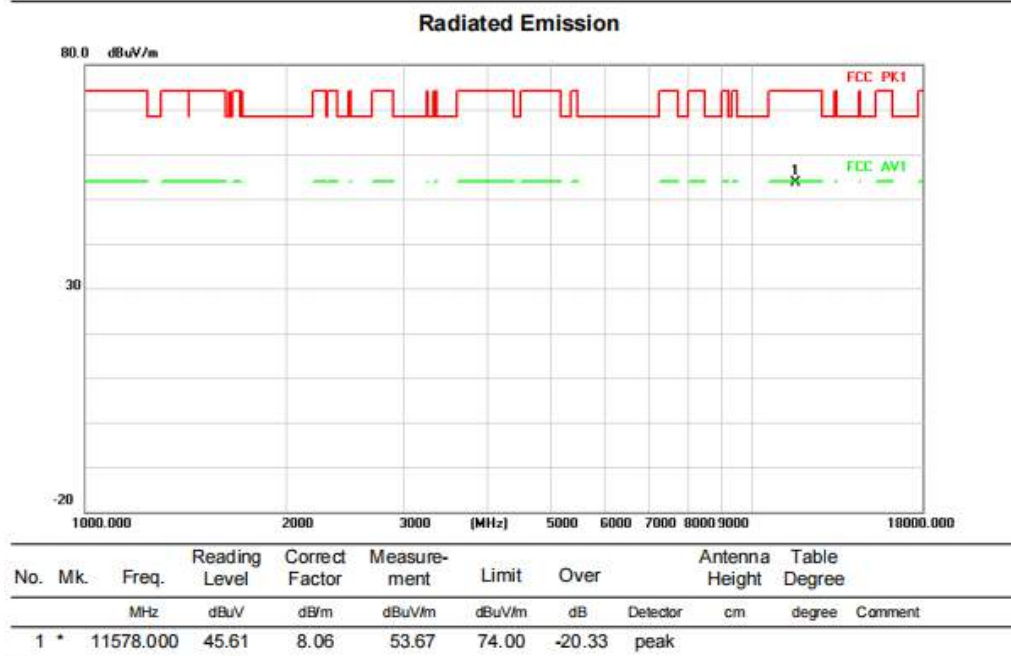
Test mode: 1.4MHz-MIMO

Test Channel:62

VERTICAL



HORIZONTAL

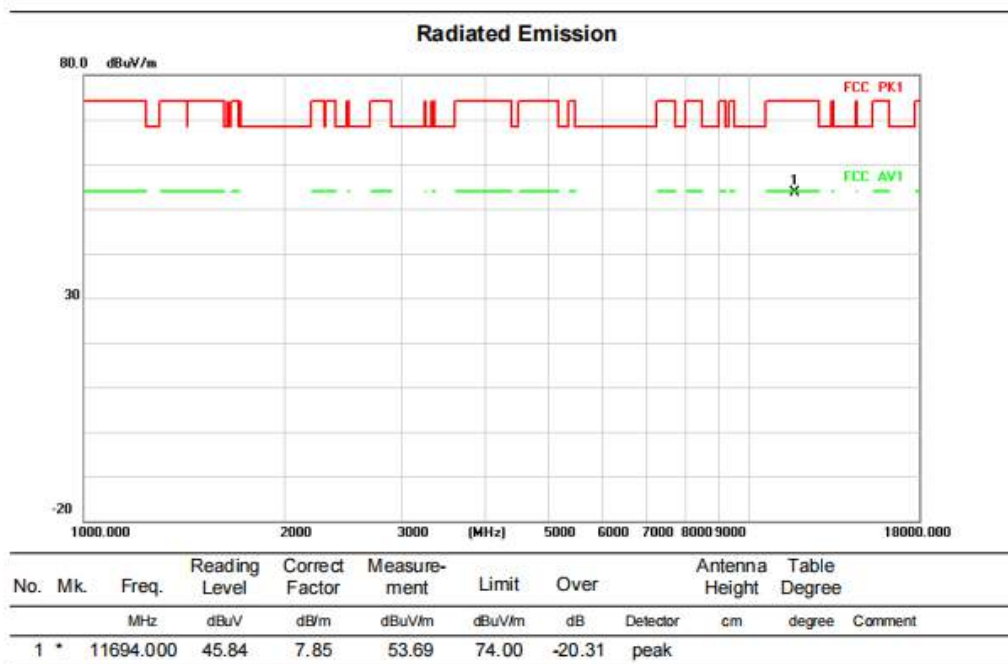
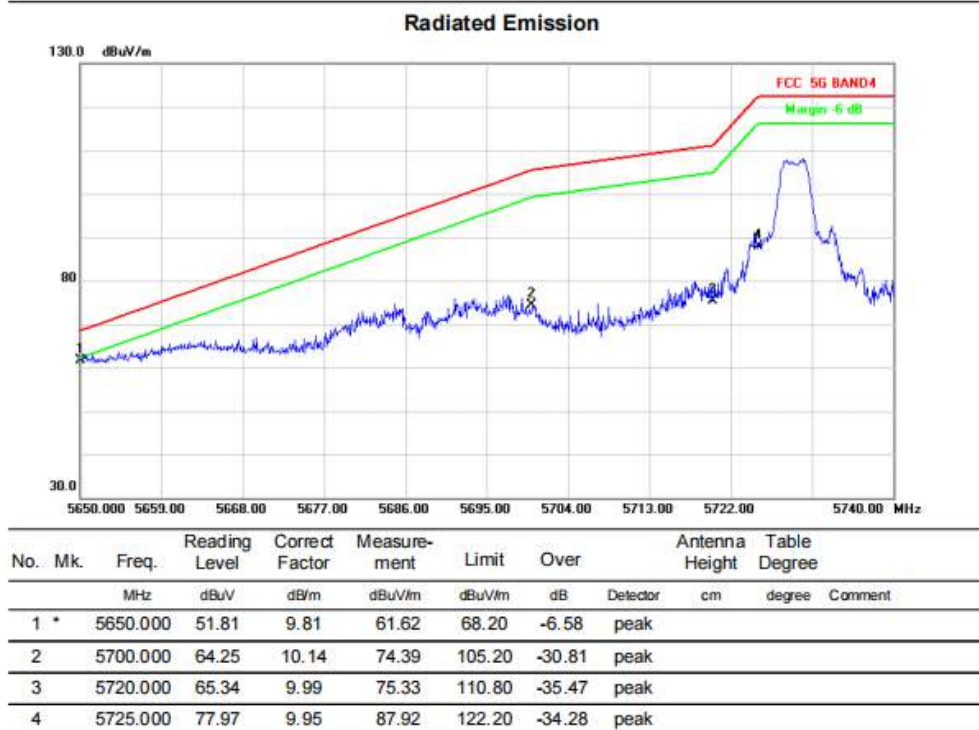


Above 1GHz (1GHz~18GHz)

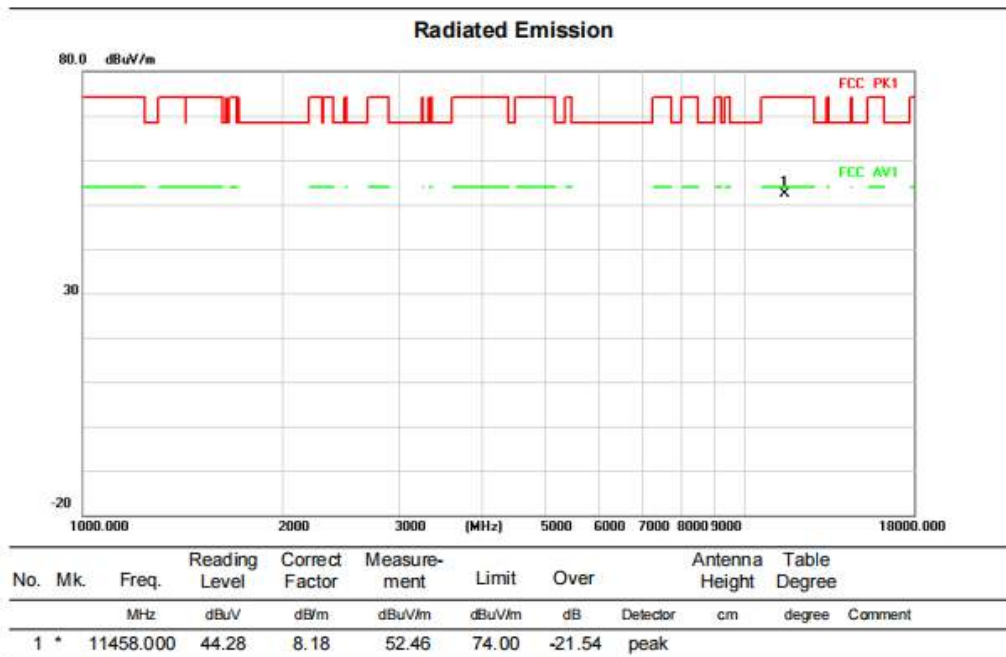
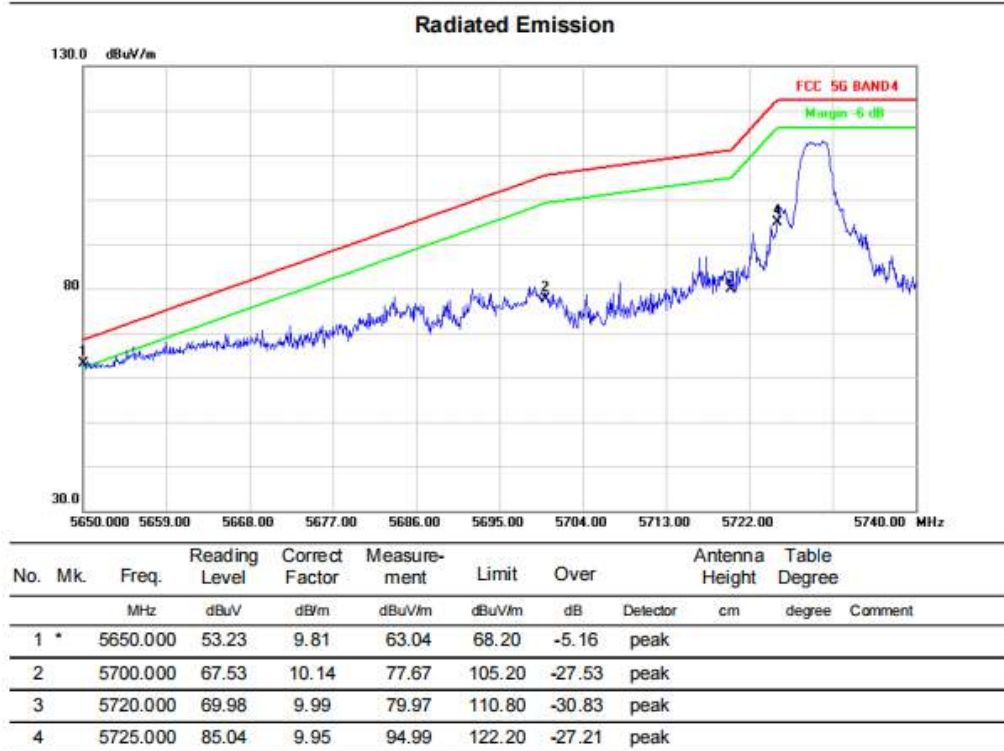
Test mode: 1.4MHz-MIMO

Test Channel:120

VERTICAL



HORIZONTAL

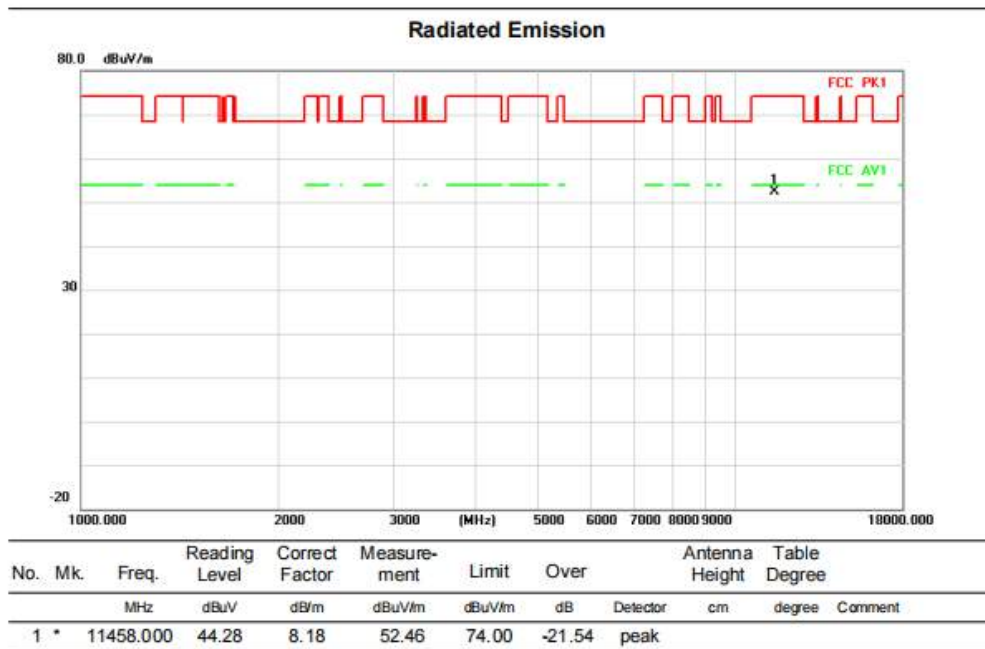
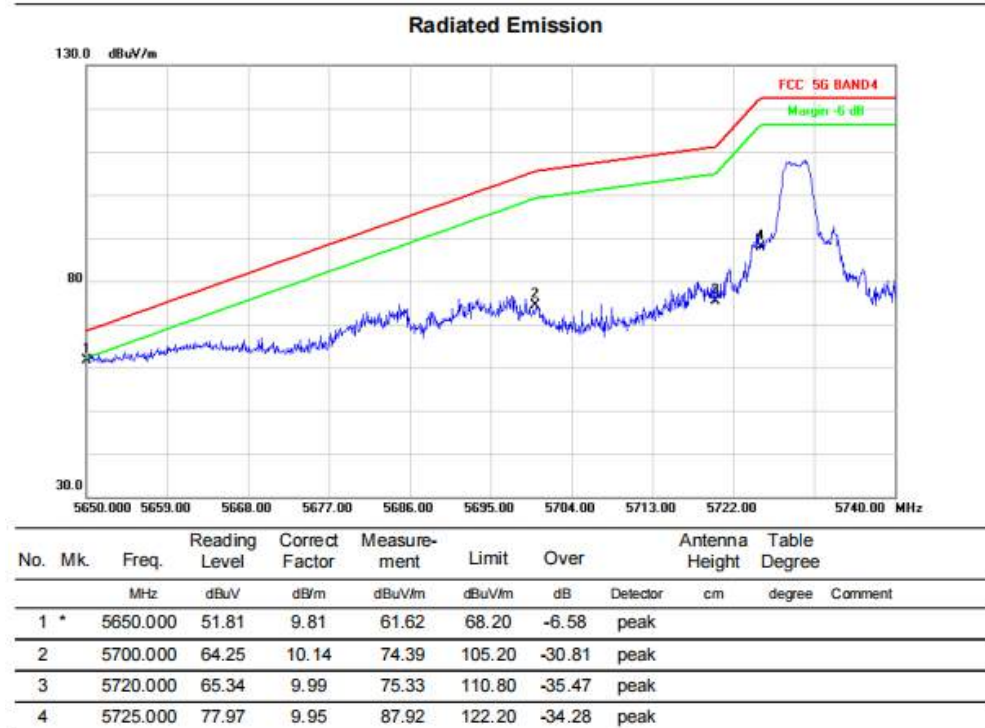


Above 1GHz (1GHz~18GHz)

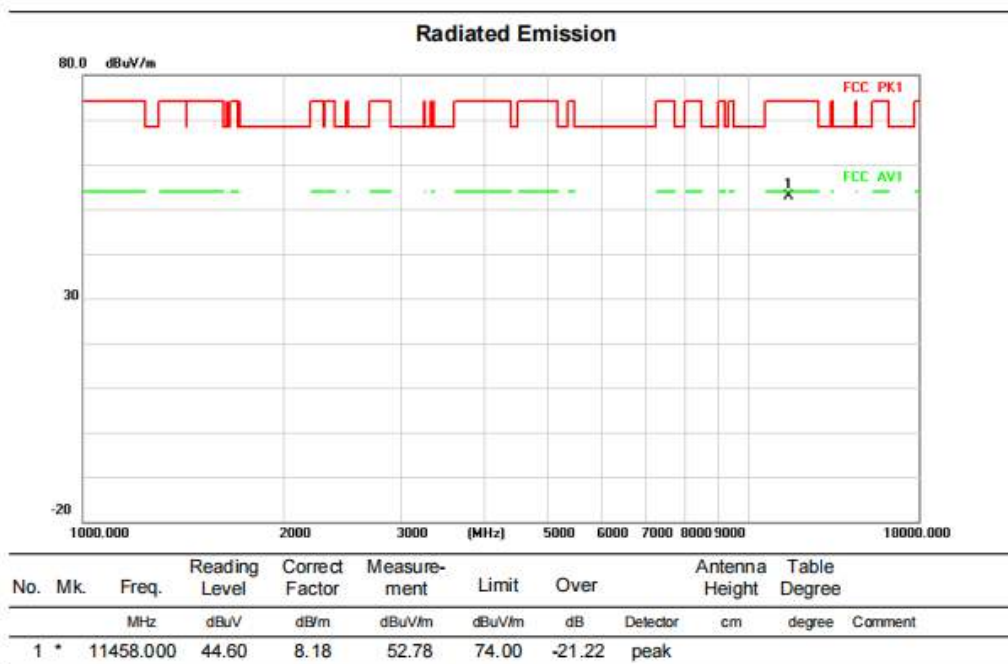
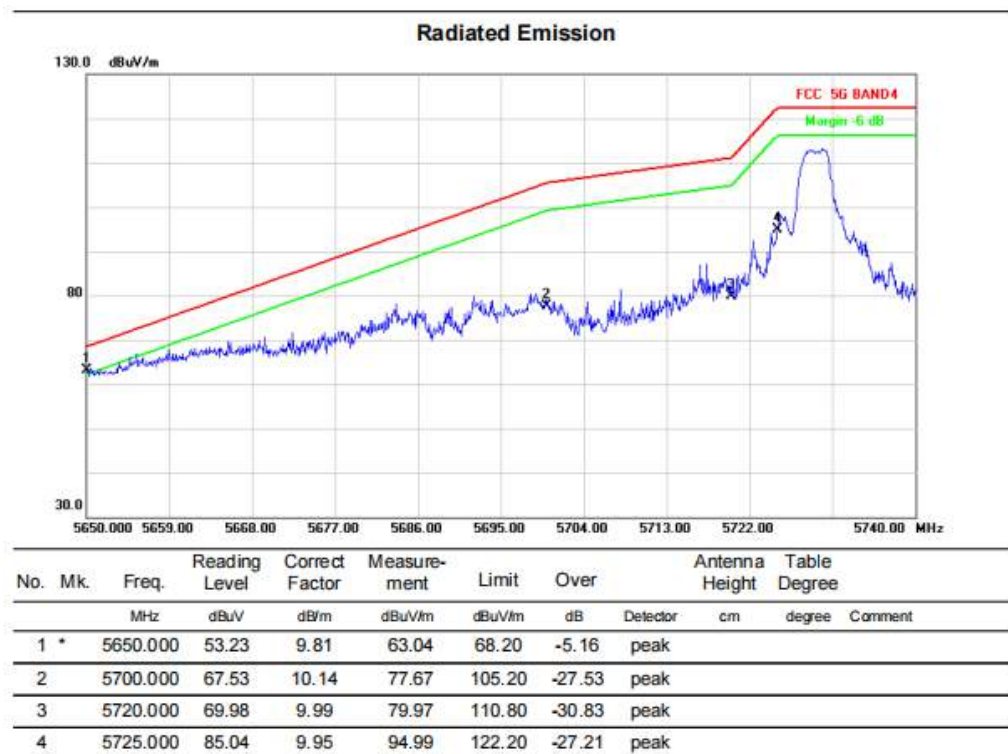
Test mode: 3MHz-MIMO

Test Channel:1

VERTICAL



HORIZONTAL

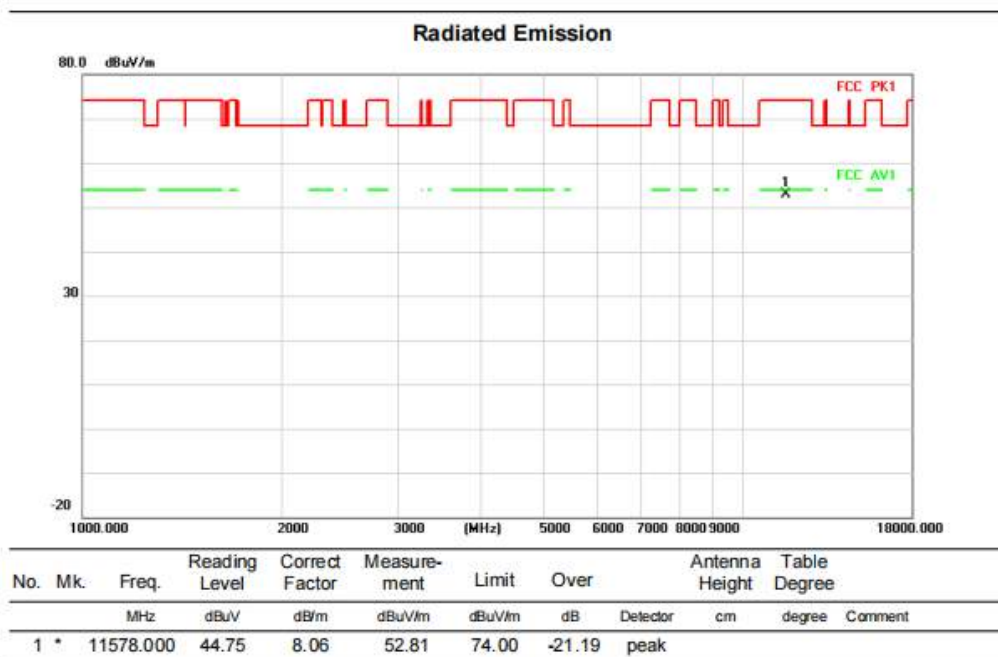


Above 1GHz (1GHz~18GHz)

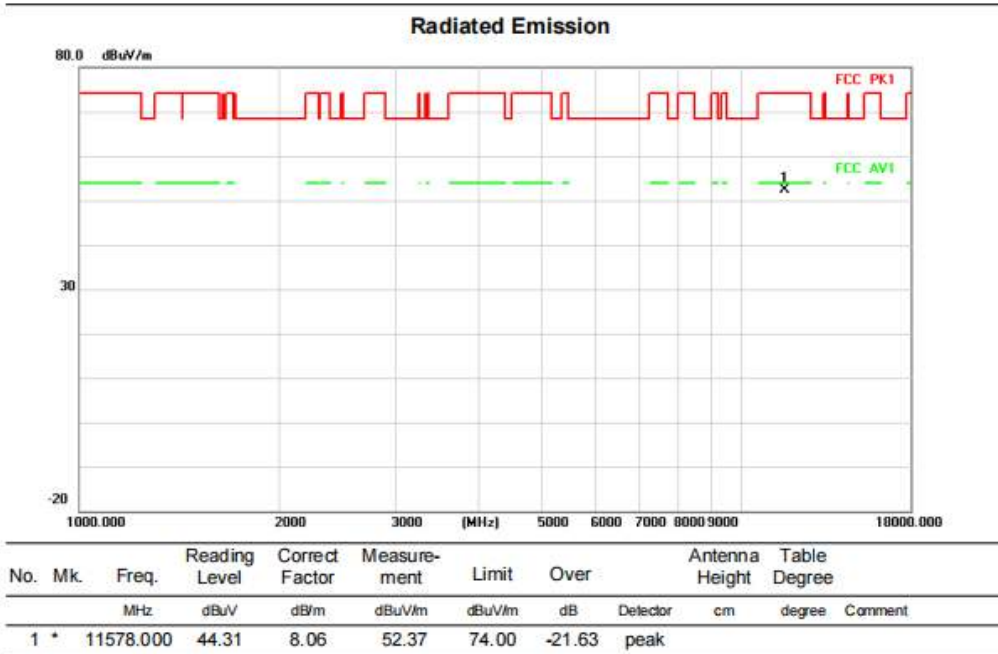
Test mode: 3MHz-MIMO

Test Channel:61

VERTICAL



HORIZONTAL

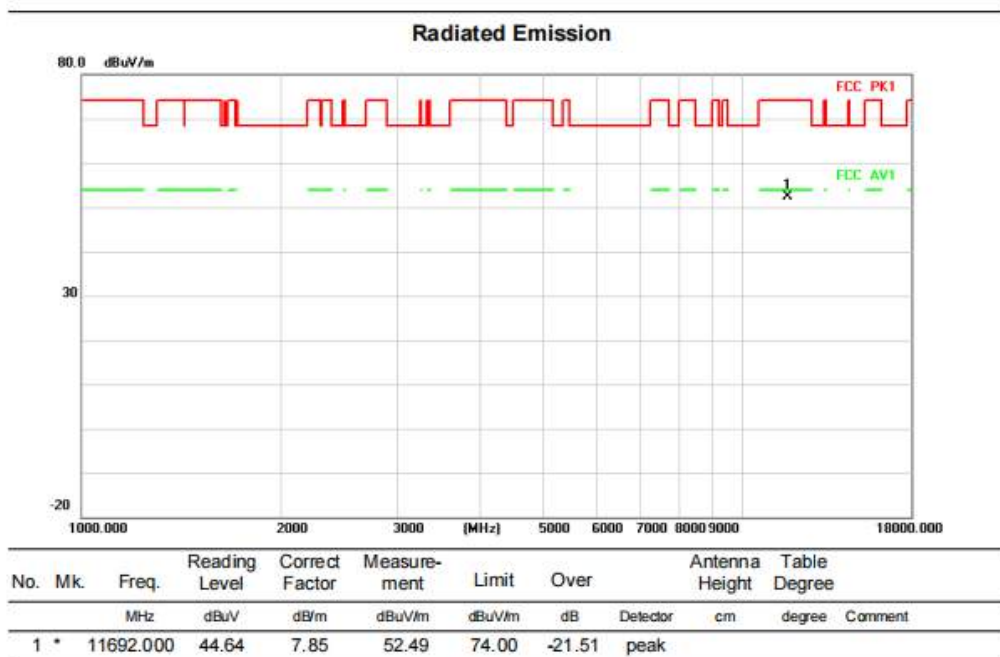
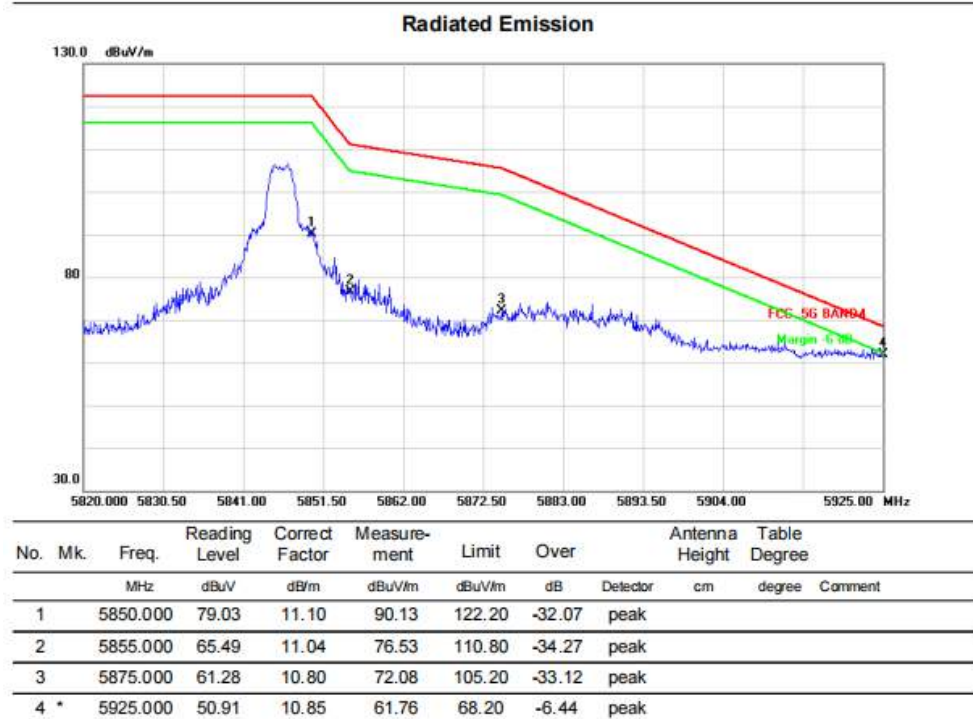


Above 1GHz (1GHz~18GHz)

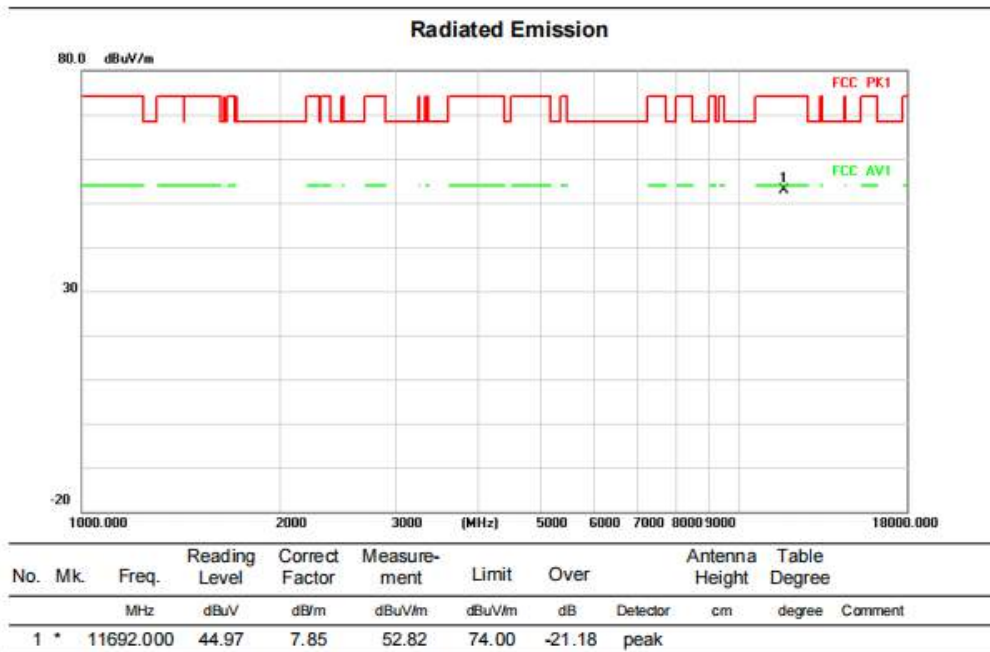
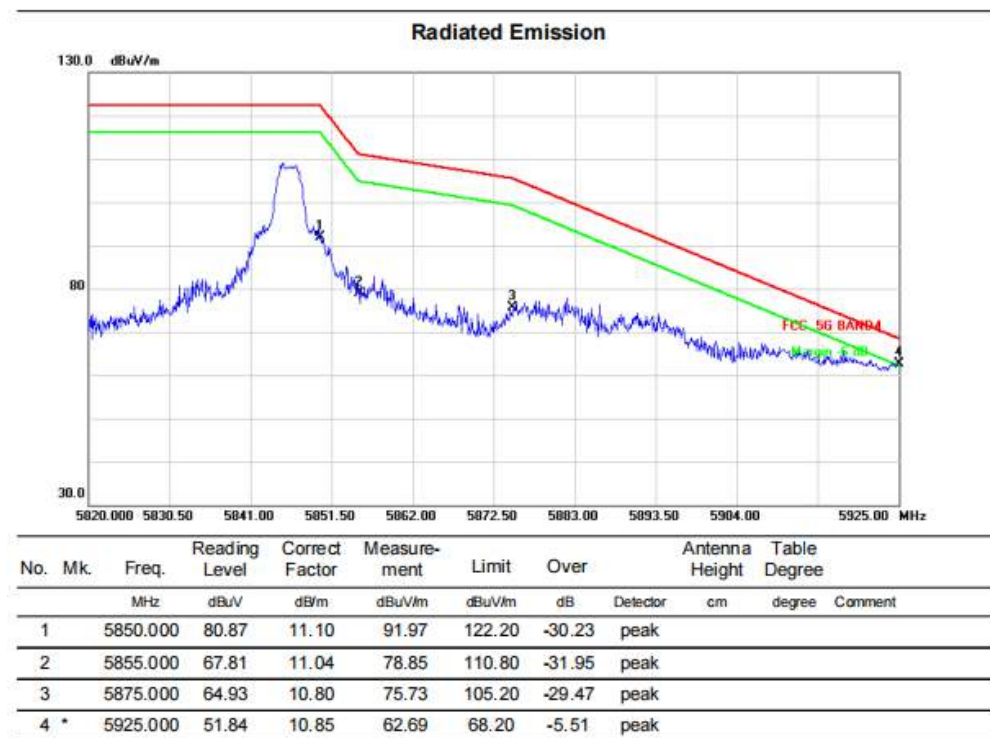
Test mode: 3MHz-MIMO

Test Channel:118

VERTICAL



HORIZONTAL

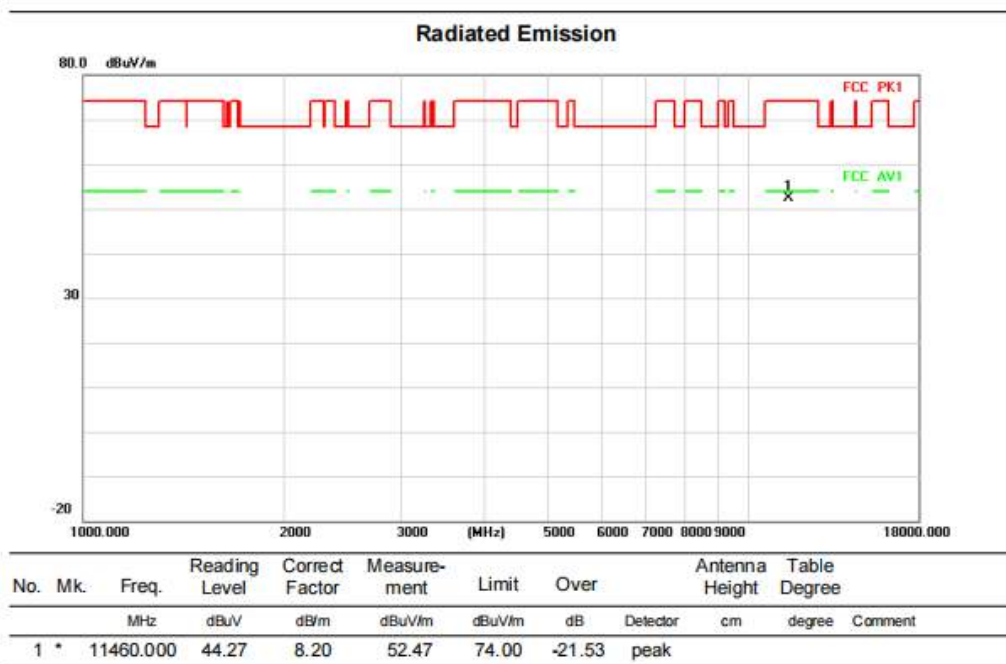
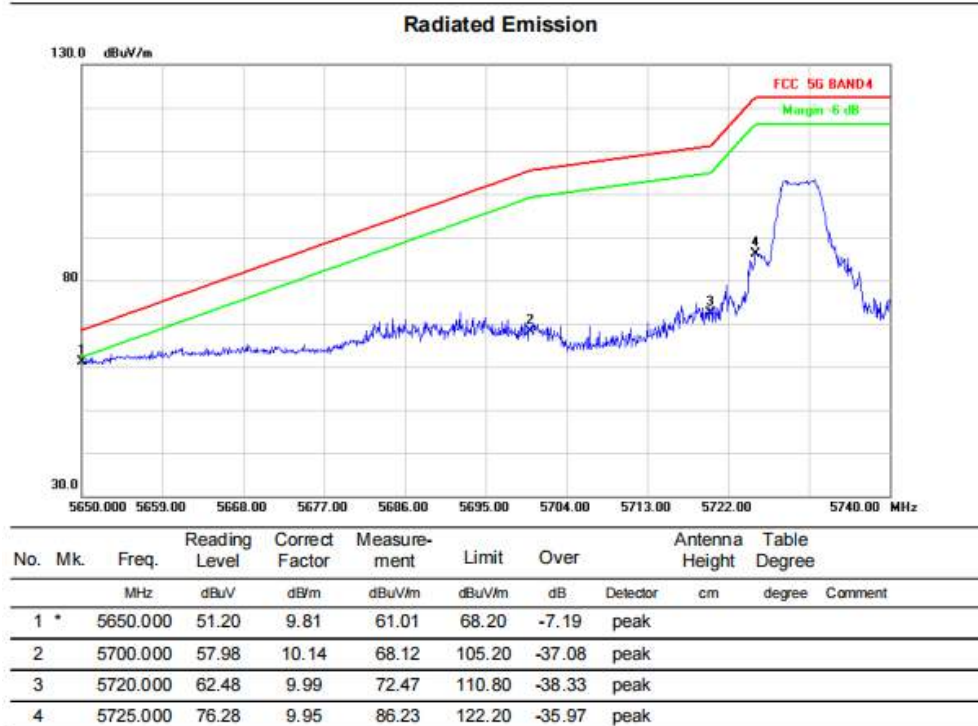


Above 1GHz (1GHz~18GHz)

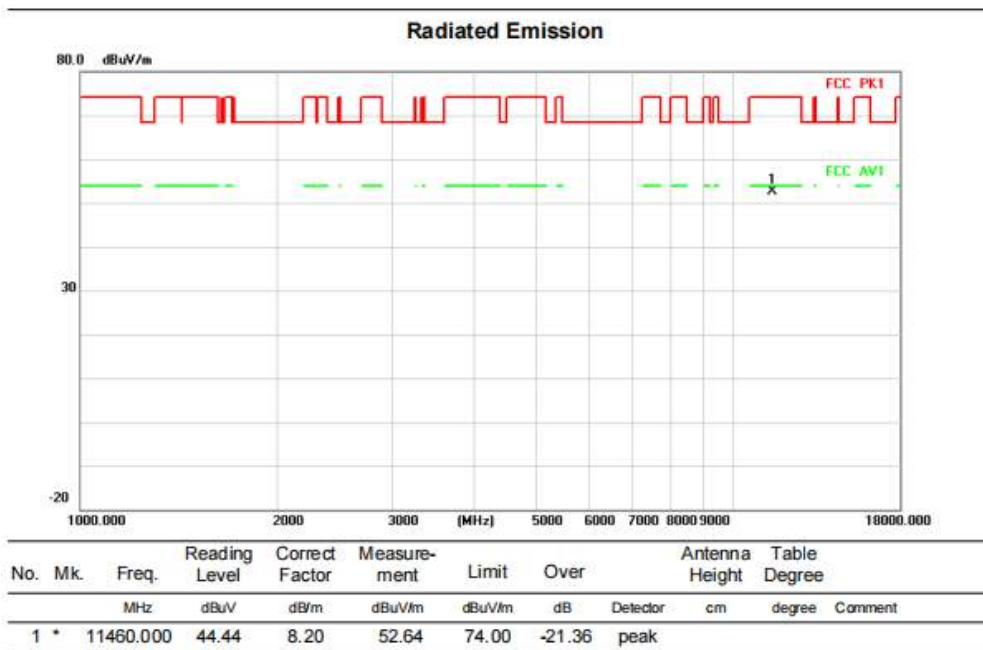
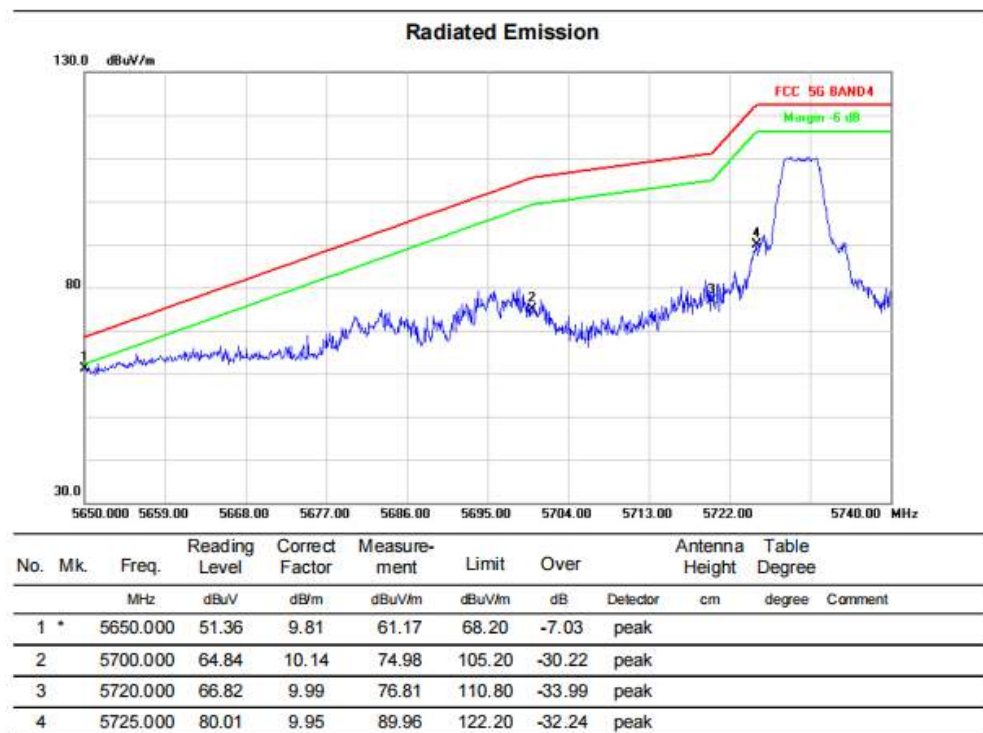
Test mode: 5MHz-MIMO

Test Channel:1

VERTICAL



HORIZONTAL

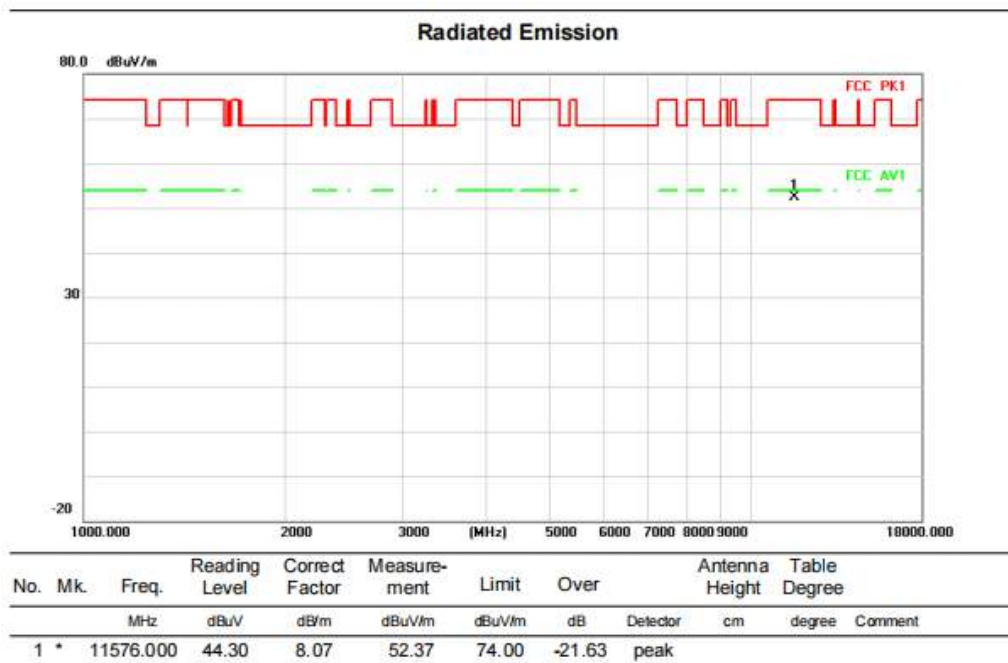


Above 1GHz (1GHz~18GHz)

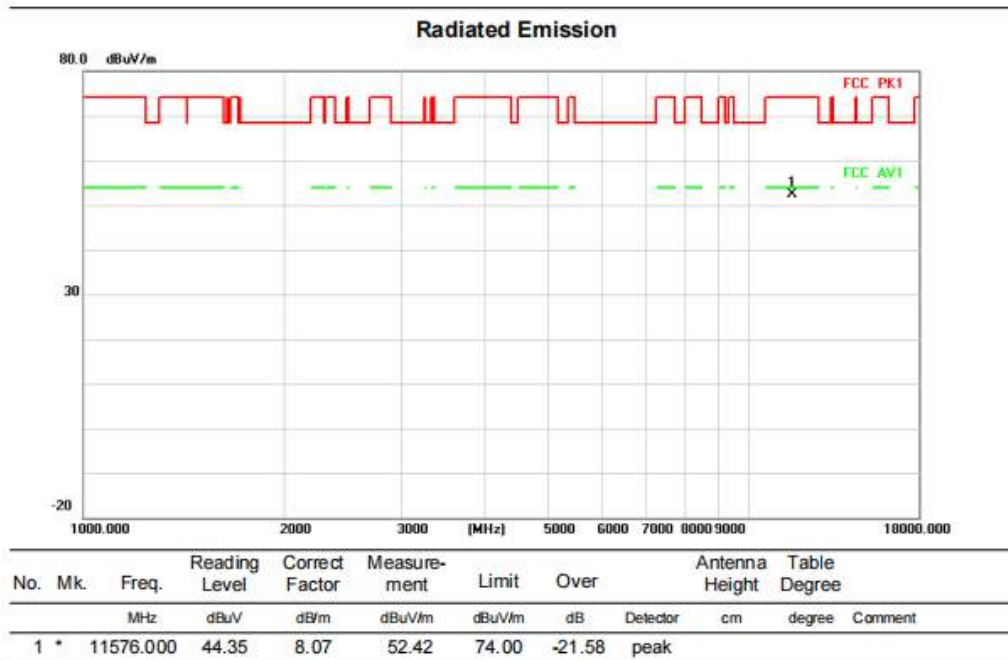
Test mode: 5MHz-MIMO

Test Channel:59

VERTICAL



HORIZONTAL

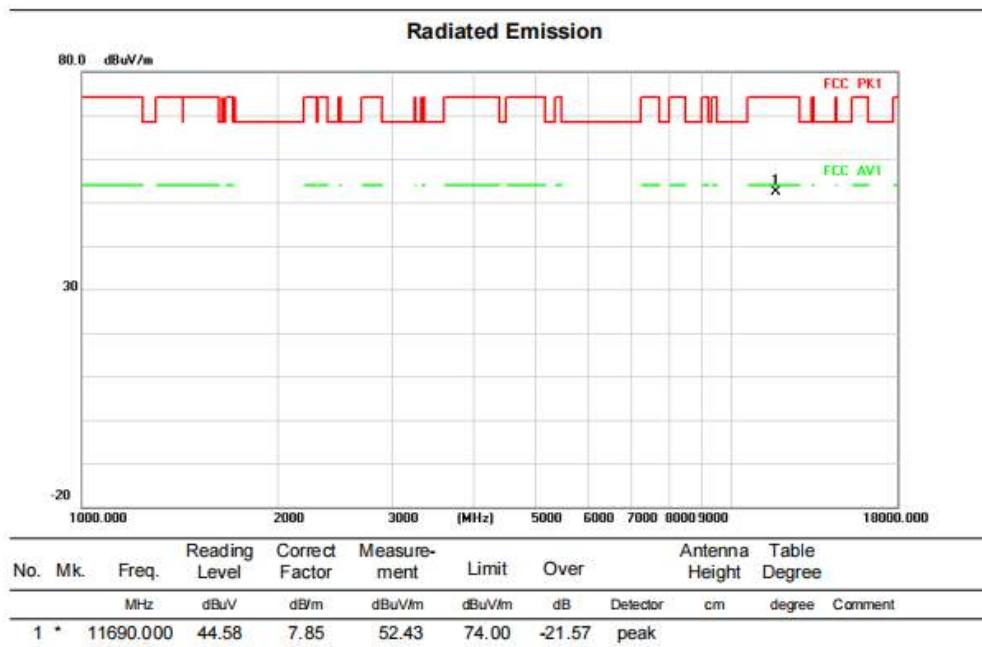
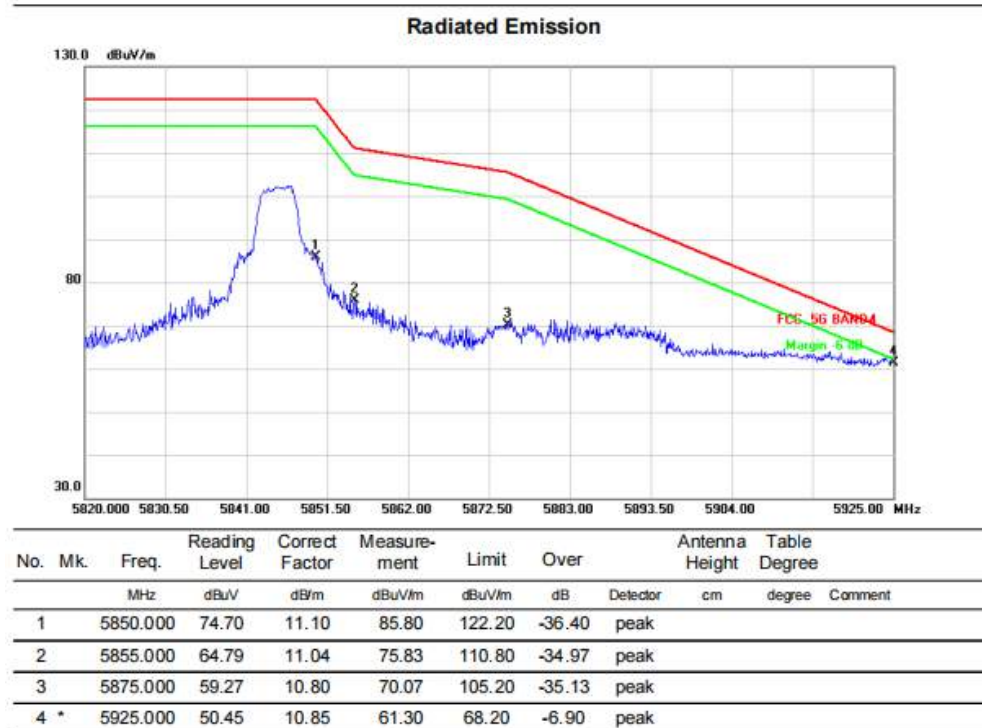


Above 1GHz (1GHz~18GHz)

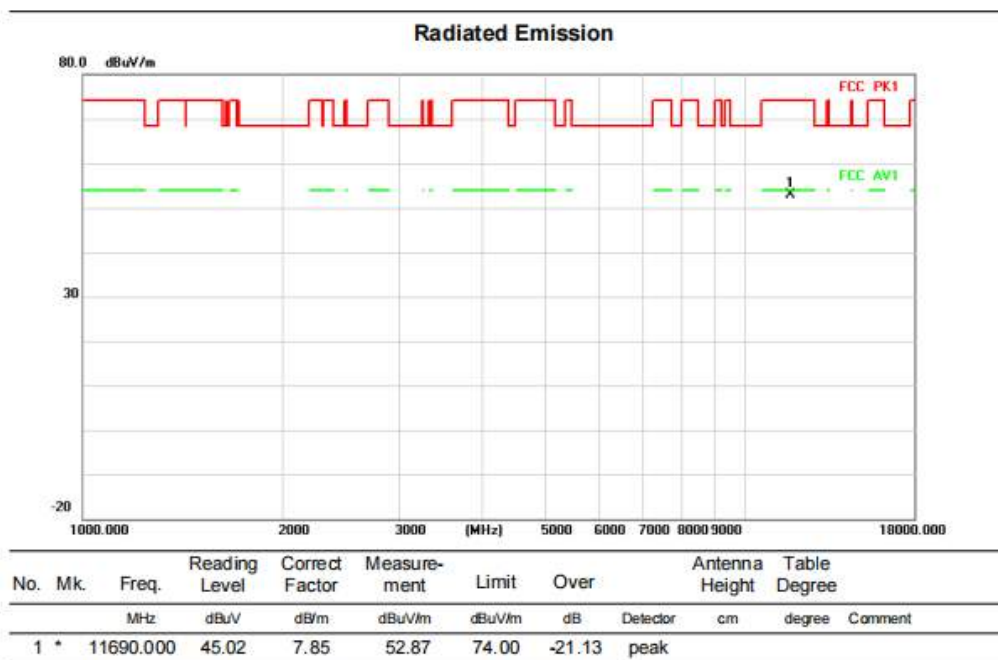
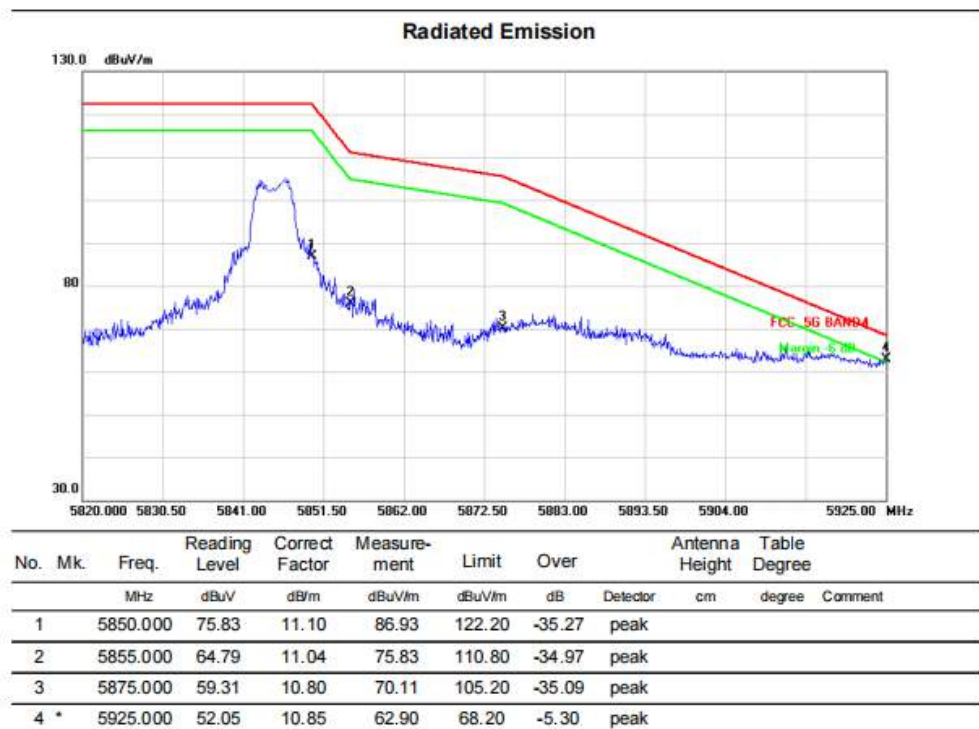
Test mode: 5MHz-MIMO

Test Channel:116

VERTICAL



HORIZONTAL

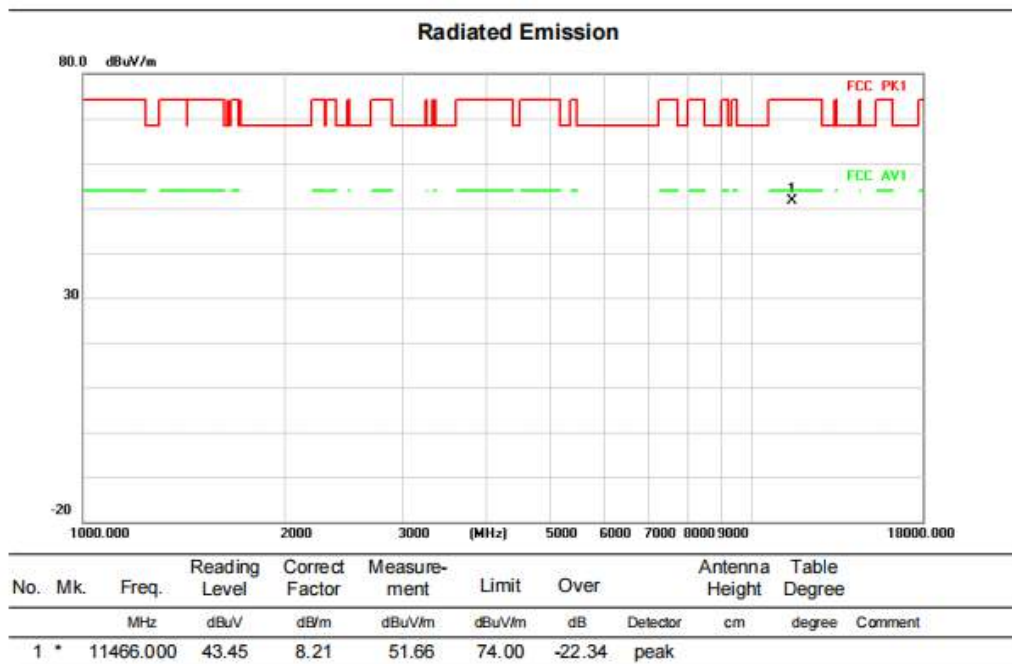
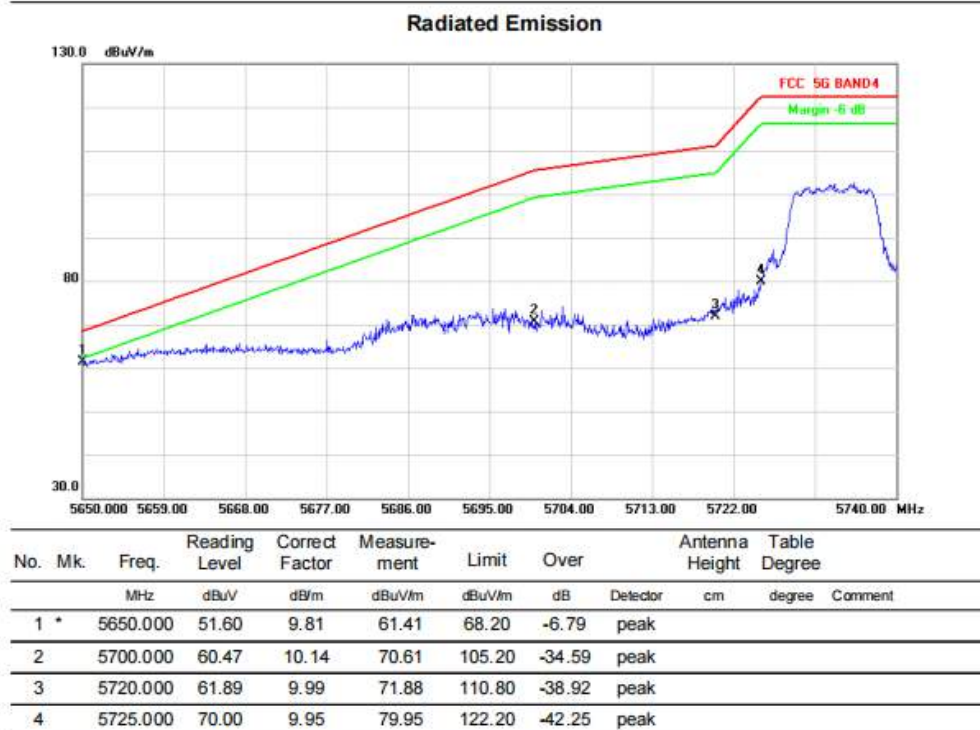


Above 1GHz (1GHz~18GHz)

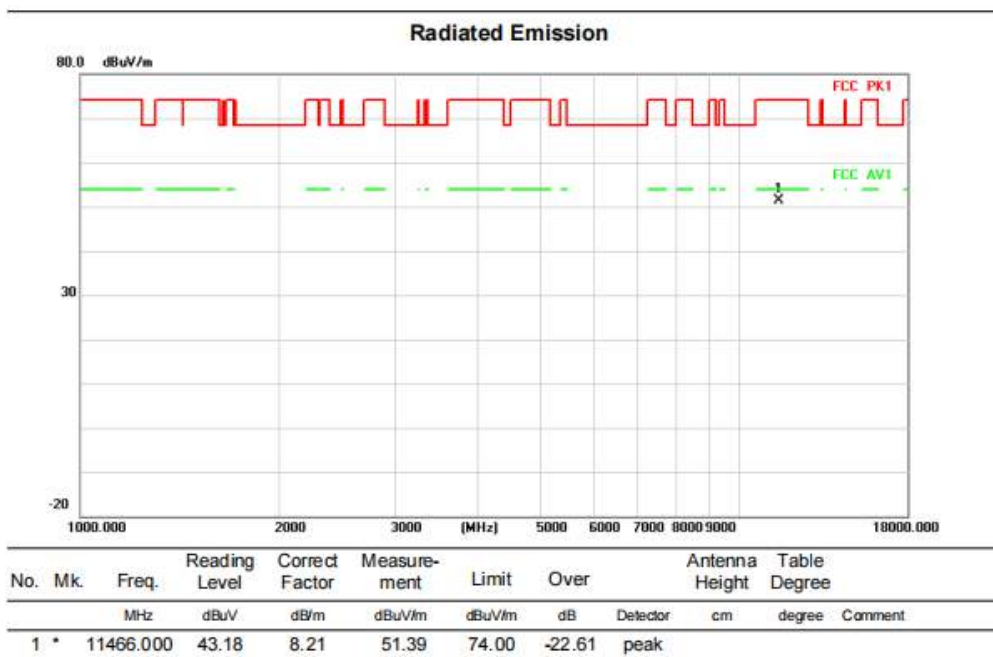
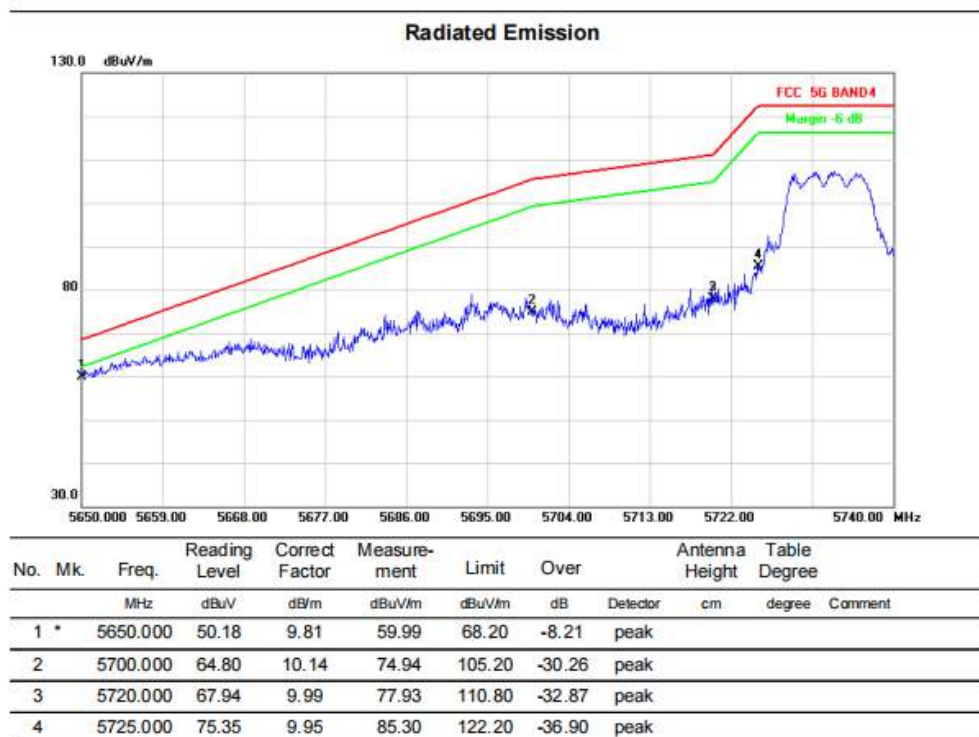
Test mode: 10MHz-MIMO

Test Channel:1

VERTICAL



HORIZONTAL

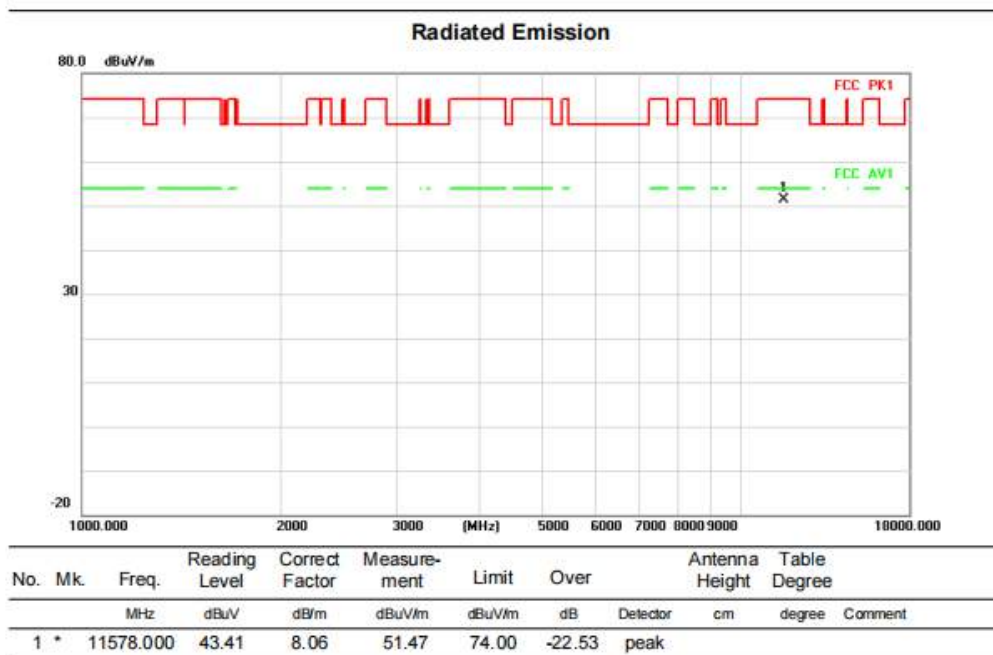


Above 1GHz (1GHz~18GHz)

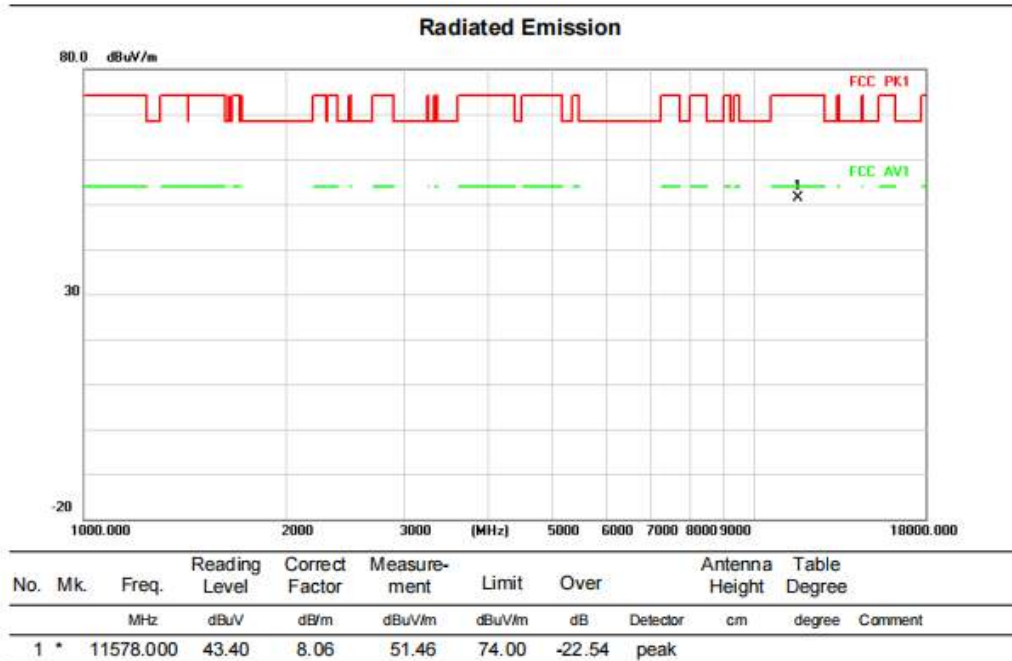
Test mode: 10MHz-MIMO

Test Channel:57

VERTICAL



HORIZONTAL

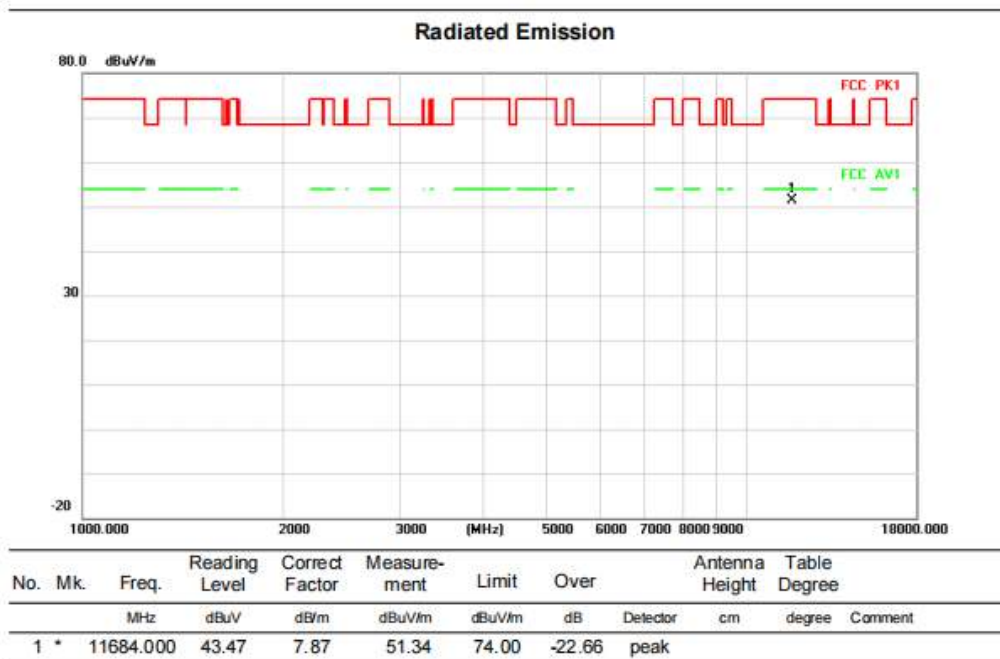
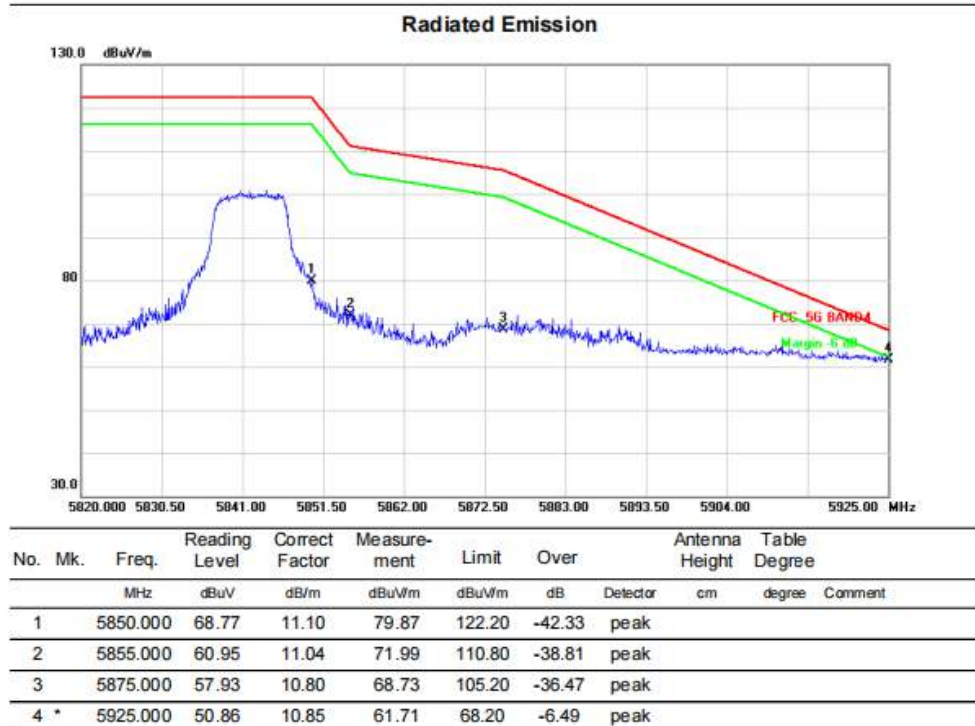


Above 1GHz (1GHz~18GHz)

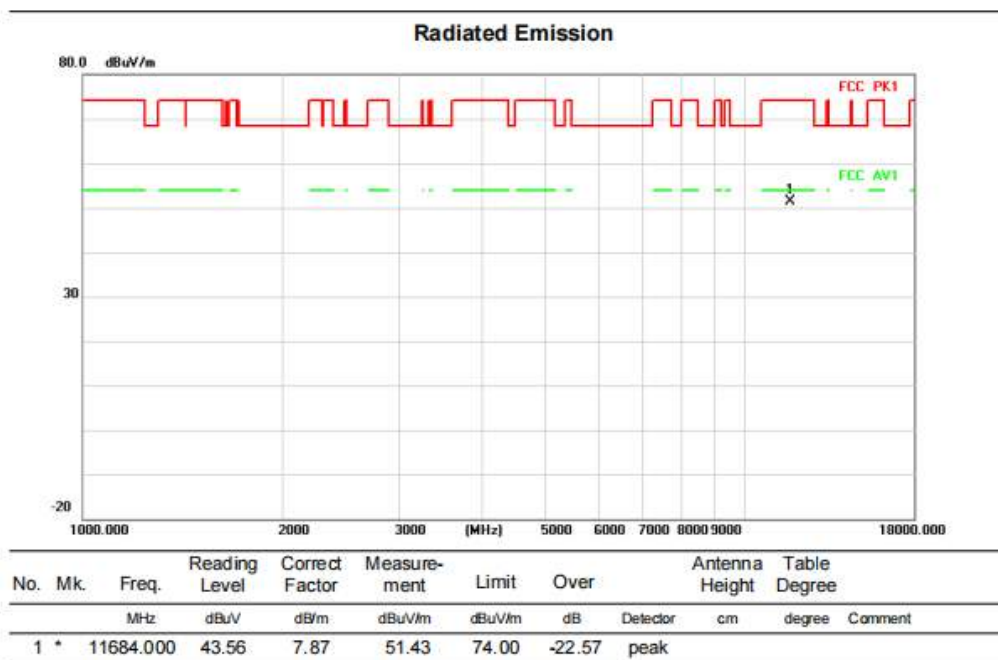
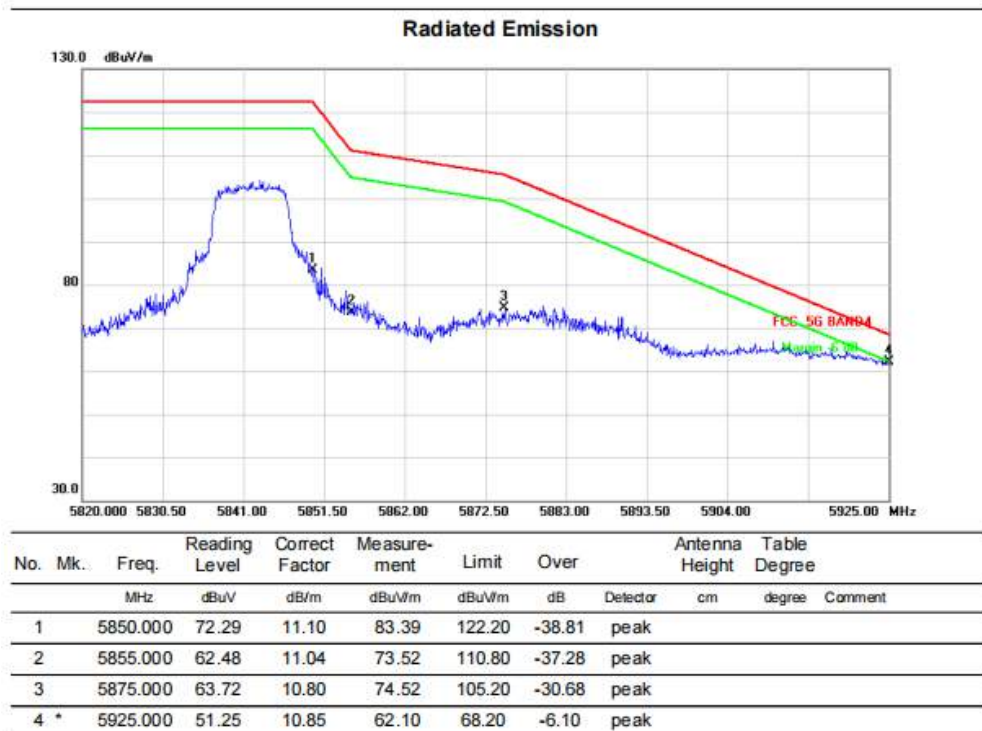
Test mode: 10MHz-MIMO

Test Channel:110

VERTICAL



HORIZONTAL

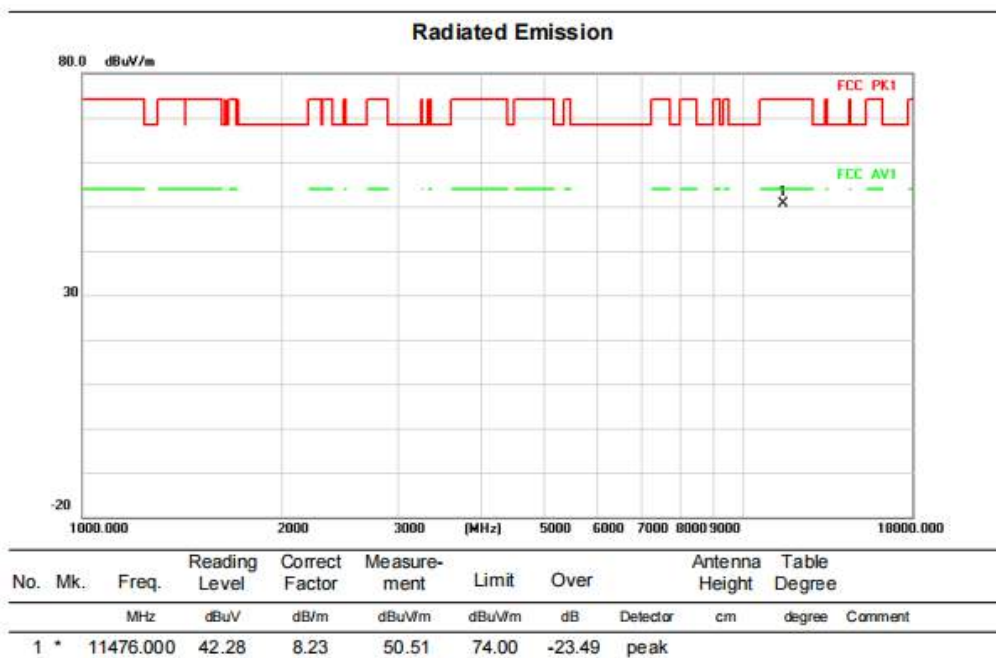
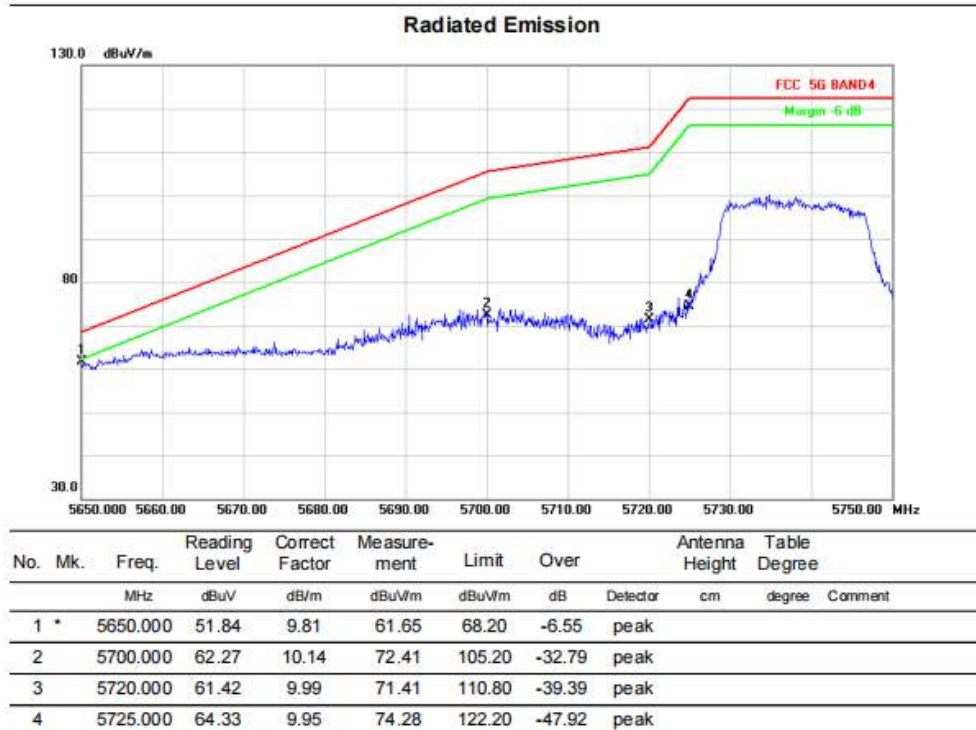


Above 1GHz (1GHz~18GHz)

Test mode: 20MHz-MIMO

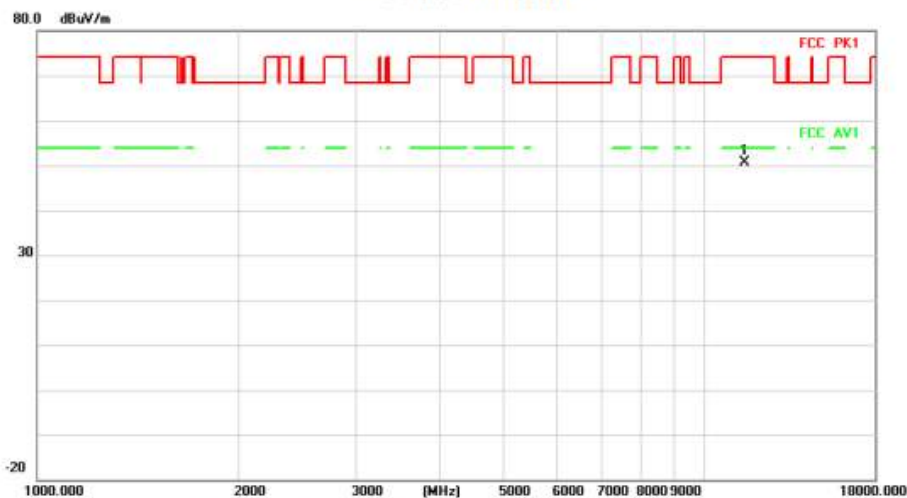
Test Channel:1

VERTICAL



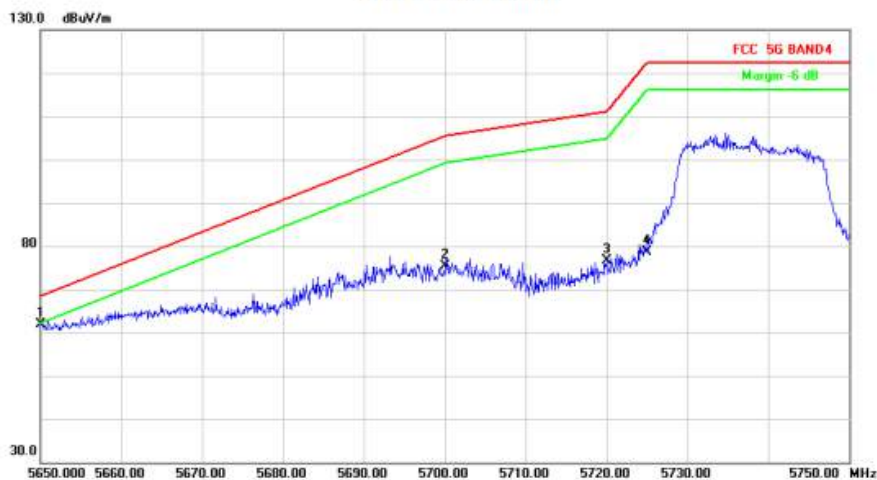
HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	11476.000	42.48	8.23	50.71	74.00	-23.29	peak	

Radiated Emission



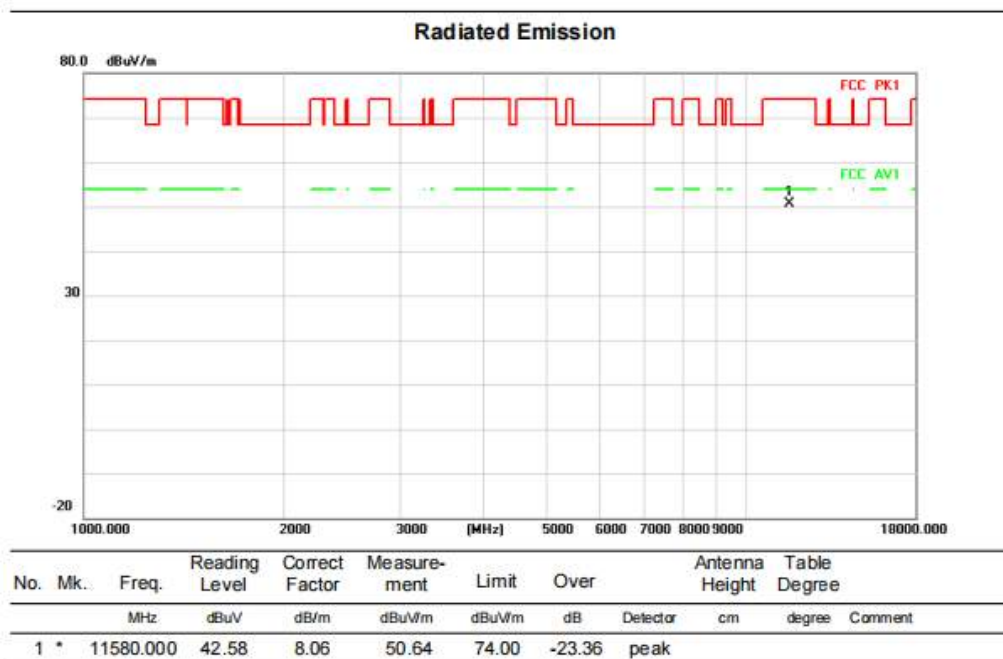
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	5650.000	52.11	9.81	61.92	68.20	-6.28	peak	
2		5700.000	65.20	10.14	75.34	105.20	-29.86	peak	
3		5720.000	66.69	9.99	76.68	110.80	-34.12	peak	
4		5725.000	68.63	9.95	78.58	122.20	-43.62	peak	

Above 1GHz (1GHz~18GHz)

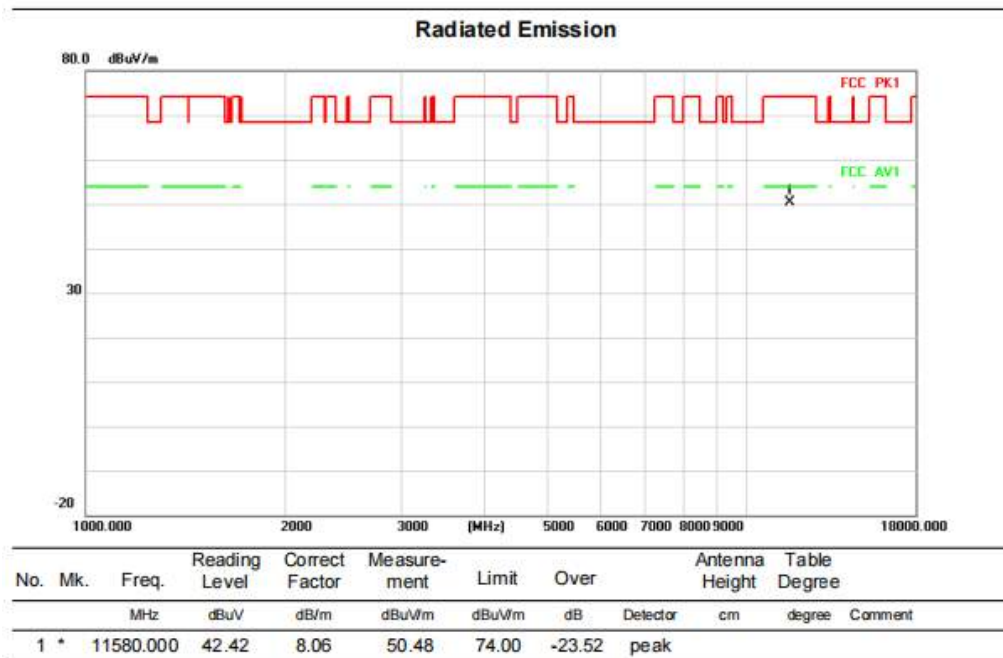
Test mode: 20MHz-MIMO

Test Channel:53

VERTICAL



HORIZONTAL

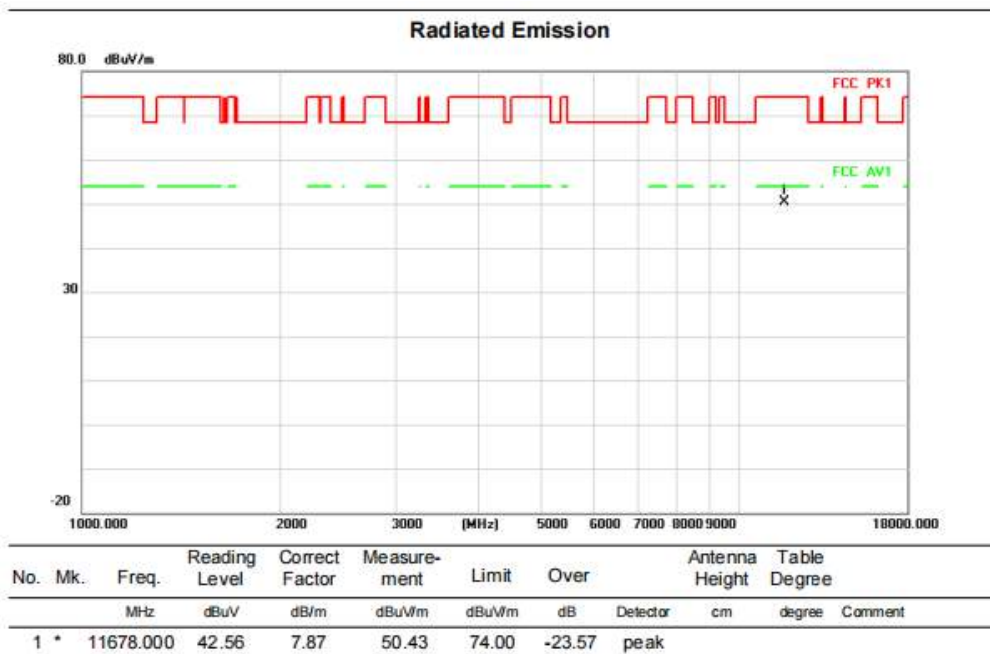
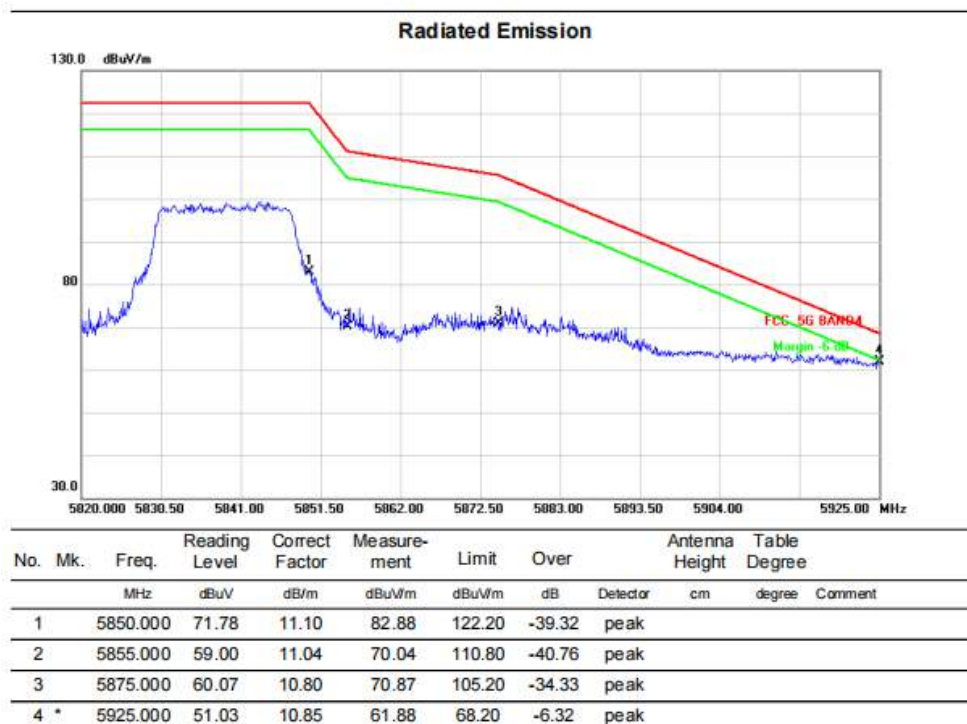


Above 1GHz (1GHz~18GHz)

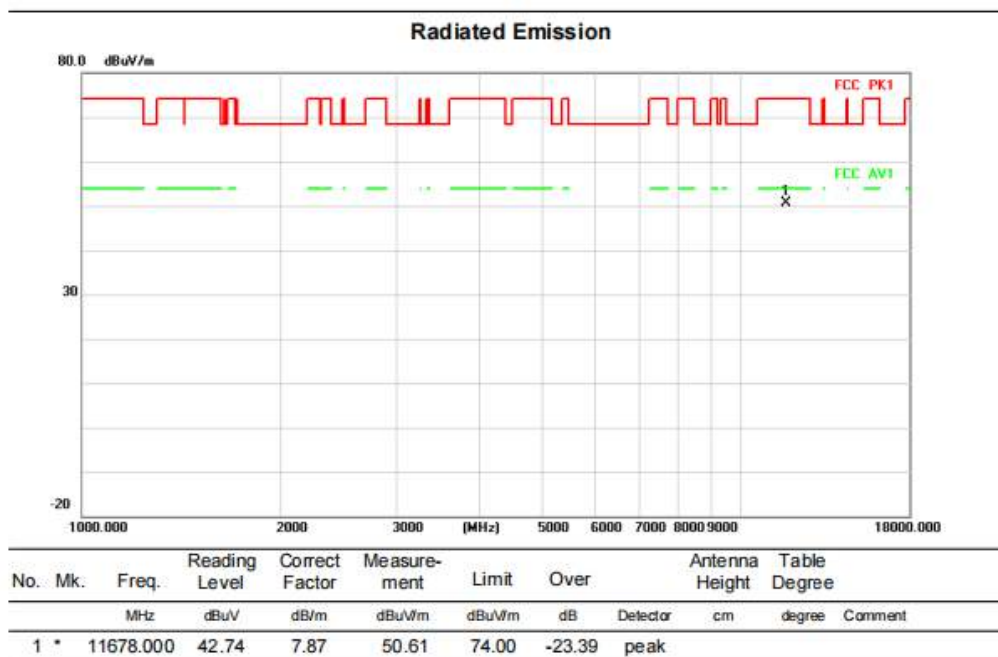
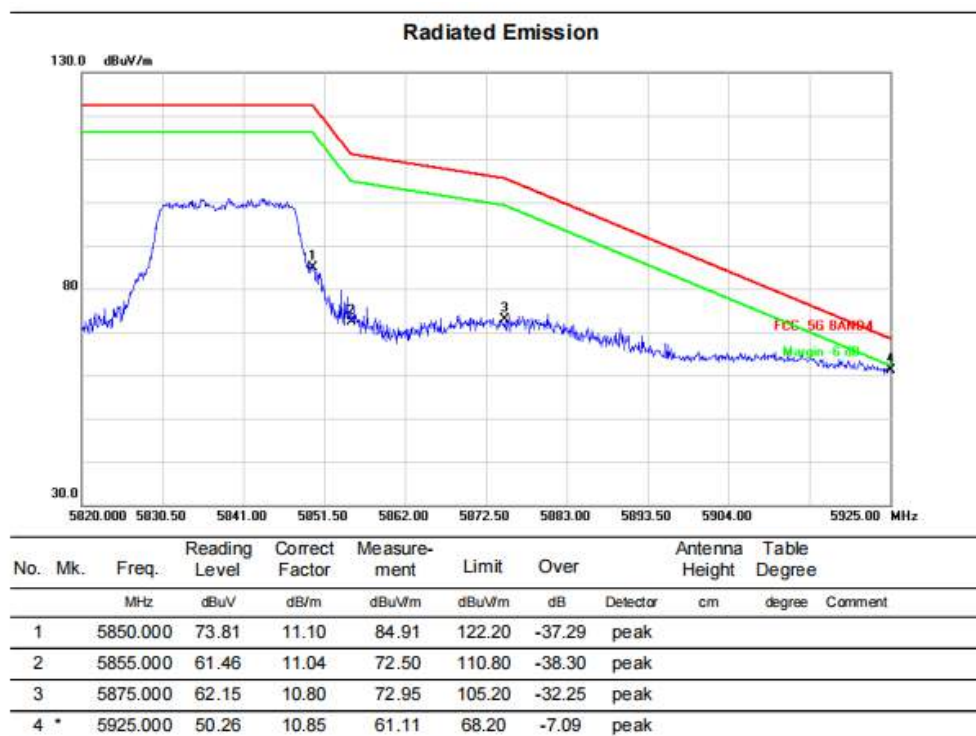
Test mode: 20MHz-MIMO

Test Channel:102

VERTICAL



HORIZONTAL



Note: The high frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit line was not recorded in this report.

3.3 Spectrum Bandwidth

3.3.1 Limit

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	26 dB Bandwidth	-	5150-5250
	26 dB Bandwidth	-	5250-5350
15.407(e)	26 dB Bandwidth	-	5470-5725
	26 dB Bandwidth	-	5725-5850
	6 dB Bandwidth	Minimum 500 kHz	5725-5850

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 RF test system and antenna output port as show in the block diagram below.

b) the spectrum analyser is set as follow:

For 26 dB Bandwidth

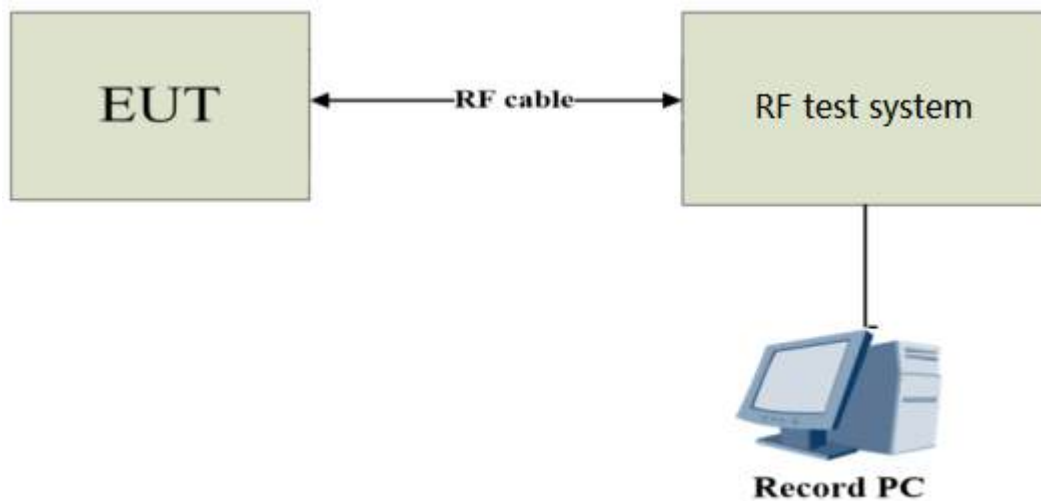
Centre Frequency	The centre frequency of the channel under test
RBW	$\geq 1\% \times \text{Nominal Channel Bandwidth}$
VBW	$\geq 3 \times \text{RBW}$
Frequency span	$2 \times \text{Nominal Channel Bandwidth}$
Detector Mode	Peak
Trace Mode	Max Hold
Sweep Time	Auto Couple

For 6 dB Bandwidth

Centre Frequency	The centre frequency of the channel under test
RBW	100 kHz
VBW	300 kHz
Frequency span	$2 \times \text{Nominal Channel Bandwidth}$
Detector Mode	Peak
Trace Mode	Max Hold
Sweep Time	Auto Couple

- c) Wait for the trace to stabilize then find the peak value of the trace and place the analyser marker on this peak.
- d) Use the -26/-6dB bandwidth function of the spectrum analyser to measure the -26/-6dB Bandwidth of the EUT. This value shall be recorded.
- e) Make sure that the power envelope is sufficiently above the noise floor of the analyser to avoid the noise signals left and right from the power envelope being taken into account by this measurement.

3.3.3 Test Setup



3.3.4 Test Result

Measurement Data : The detailed test data see Appendix III

3.4 Conducted Output Power

3.4.1 Limit

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Conducted Output Power	Master device: 1 Watt (30 dBm) Client device: 250 mW (23.98 dBm)	5150-5250
		250 mW (23.98 dBm)	5250-5350
		250 mW (23.98 dBm)	5470-5725
		1 Watt (30dBm)	5725-5850

Note:

- For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26dB Bandwidth in megahertz.

3.4.2 Test Procedure

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

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- Test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 and FCC KDB 662911 D01 v02r01 Multiple Transmitter Output.

3.4.3 Test Setup



3.4.4 The Result

Measurement Data: The detailed test data see Appendix III

3.5 Power Spectral Density

3.5.1 Limit

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Power Spectral Density	Master device: 17 dBm/MHz Client device: 11 dBm/MHz	5150-5250
		11 dBm/MHz	5250-5350
		11 dBm/MHz	5470-5725
		30 dBm/500 kHz	5725-5850

Note:

- For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 300kHz and VBW at 1500kHz if the spectrum analyzer does not have 500 kHz RBW. Then, add $10 \log (500 \text{ kHz}/300 \text{ kHz})$ to the measured result, i.e. 2.22 dB.
- During the test of U-NII 3 PSD, the measurement result with RBW=300kHz has been added 2.22 dB by compensating offset, offset=cable loss+duty factor+ $10\log(500\text{kHz}/300\text{kHz})$.

3.5.2 Test Procedure

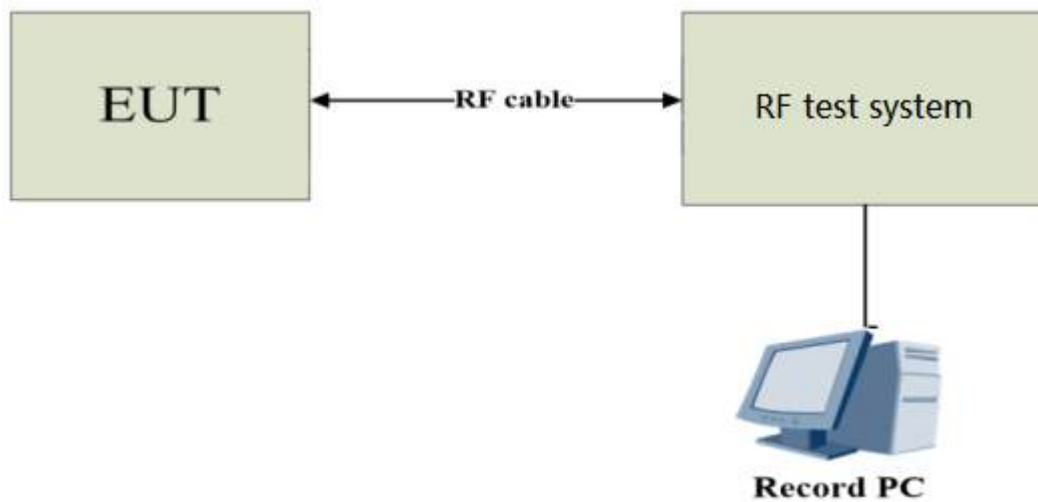
Test Method	
●Conducted Measurement	○Radiated Measurement
Test Channels	
●Lowest, Middle and Highest Channel	○ Lowest and Highest Channel
Environmental conditions	
●Normal	○Normal and Extreme

Note:●:Test ○:No Test

a) The EUT was directly connected to the RF test system and antenna output port as show in the block diagram below. Spectrum analyser settings as following:

Centre Frequency	The centre frequency of the channel under test
RBW	= 1 MHz (Band1/2/3); = 500kHz (Band4)
VBW	$\geq 3 \times \text{RBW}$
Frequency span	2 x Nominal Channel Bandwidth
Detector Mode	RMS
Trace Mode	Max Hold
Sweep Time	Auto Couple

3.5.3 Test Setup



3.5.4 The Result

Measurement Data: The detailed test data see Appendix III

Statement

1. The report is invalid without the official seal or special seal of Shenzhen Haiyun Standard Technical Co., Ltd. (hereinafter referred to as the unit).
2. The report is invalid without the signature of the approver.
3. The report is invalid if altered arbitrarily.
4. The report shall not be partially copied without the written approval of the unit.
5. The reported test results are only valid for the tested samples.
6. If there is any objection to the test report, it shall be submitted to the test unit within 15 days from the date of receiving the report, and the overdue shall not be accepted.

Shenzhen Haiyun Standard Technical Co., Ltd.

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Tel: 0755-26024411

Email: service@hy-lab.cn

(END OF REPORT)