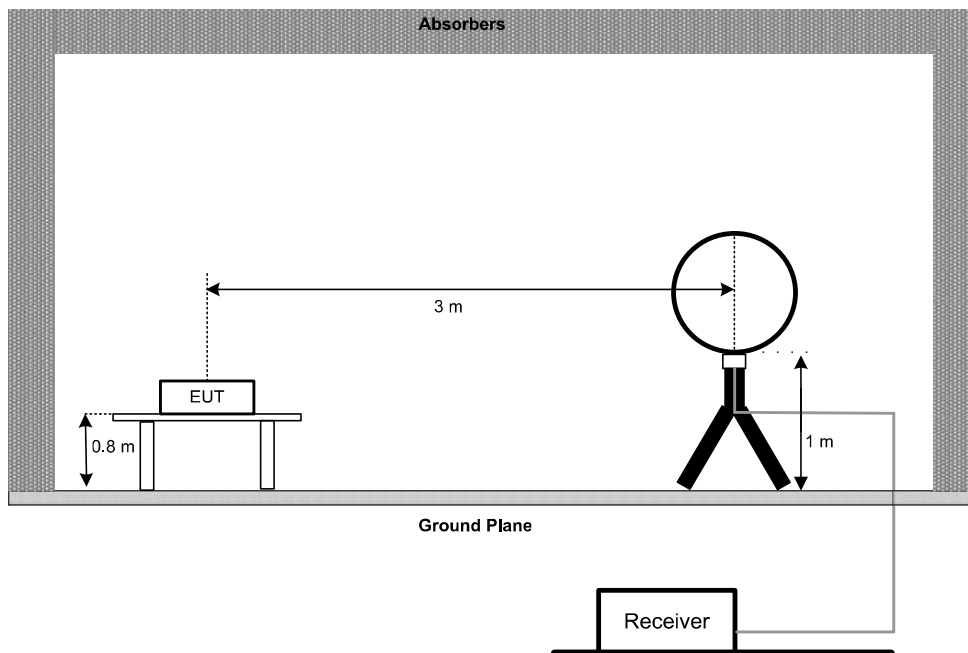
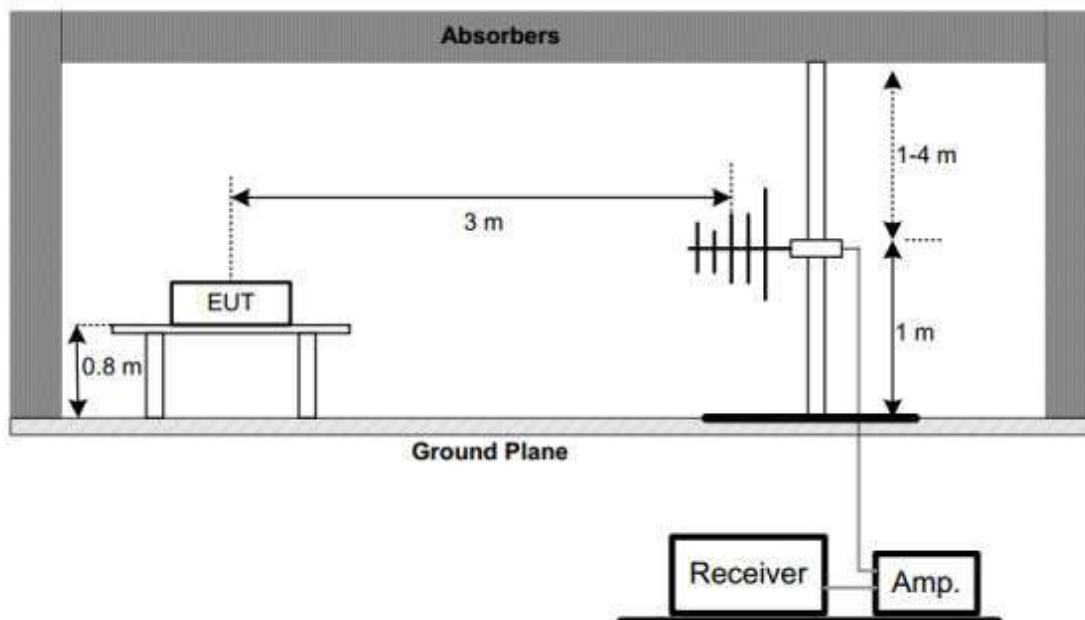


3.7.4 Test Setup

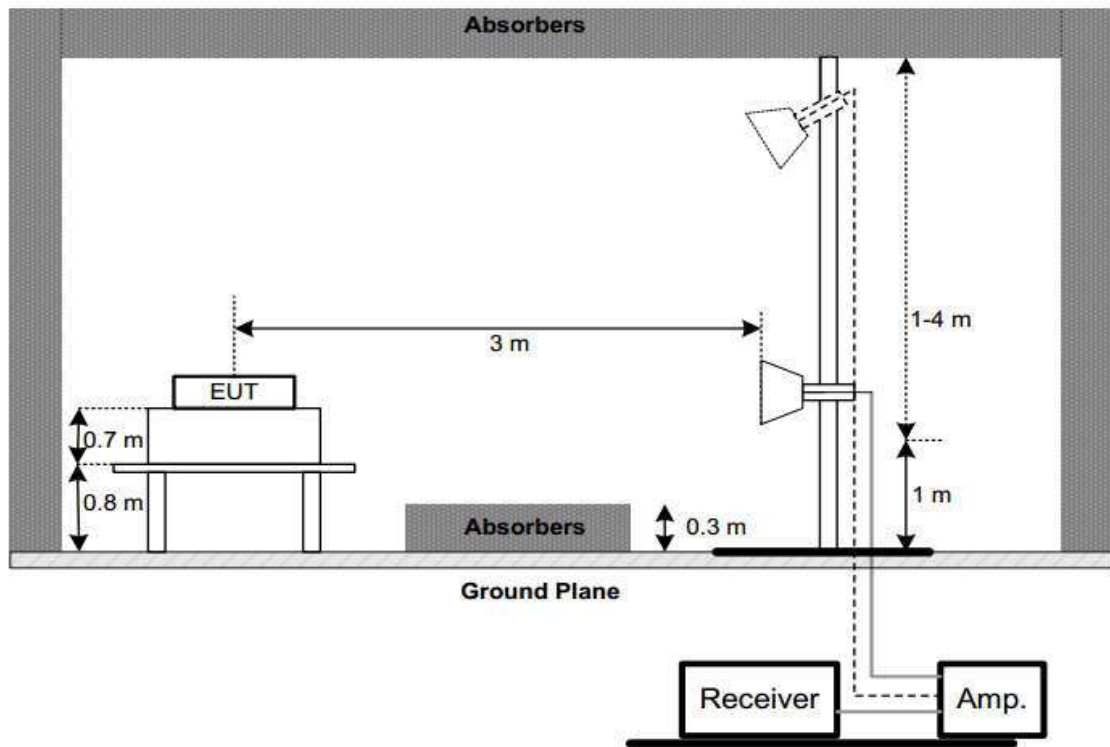
(A) Radiated Emission Test Set-Up Frequency Below 30 MHz



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



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



3.7.5 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:

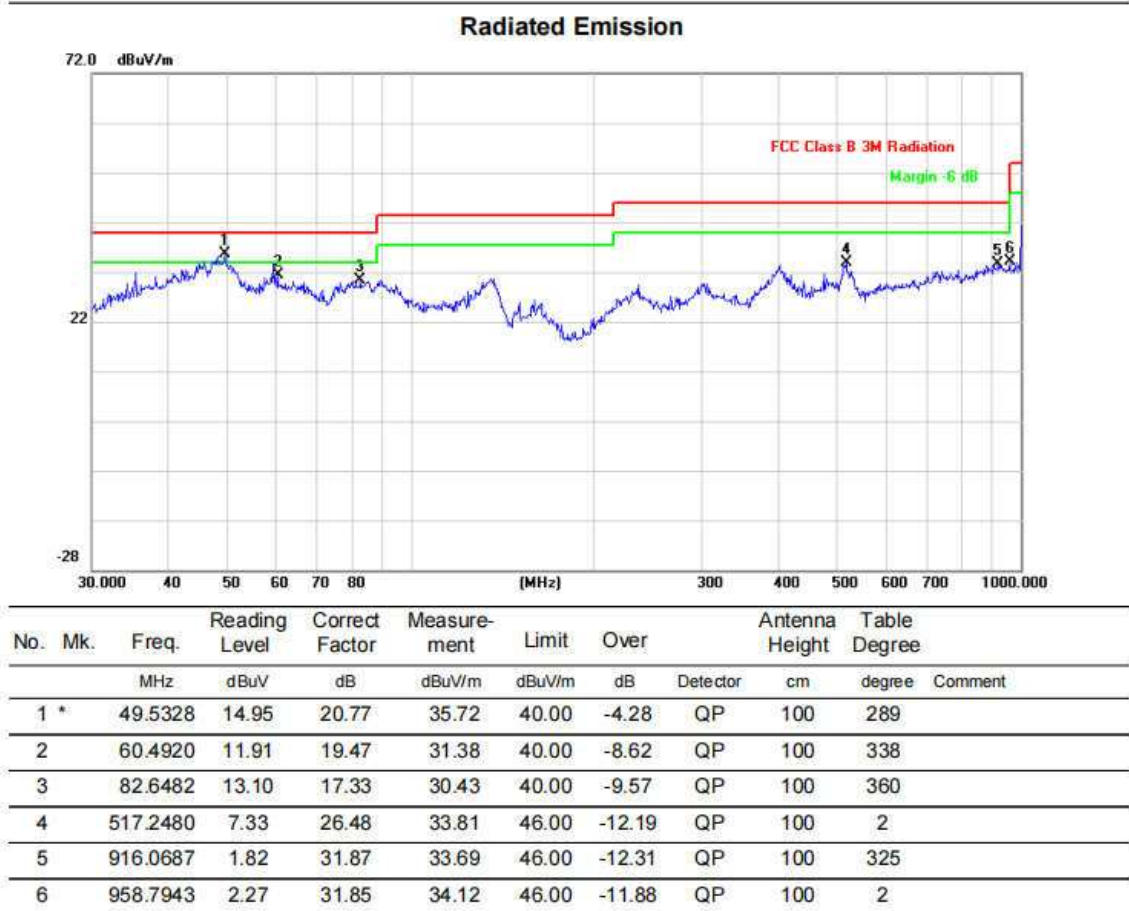
1. Measurement = Reading + Correct Factor.
2. Over = Measurement – Limit

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

Below 1G (30MHz~1GHz)

Worst Case Operating Mode: AX80MIMO Channel 87

VERTICAL



HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		138.3873	14.45	16.36	30.81	43.50	-12.69	QP	200	360
2 *		526.3967	9.54	26.63	36.17	46.00	-9.83	QP	152	360
3		884.5030	1.05	31.58	32.63	46.00	-13.37	QP	186	360
4		916.0687	1.14	31.87	33.01	46.00	-12.99	QP	100	98
5		958.7943	0.87	31.85	32.72	46.00	-13.28	QP	100	68
6		1000.0000	9.03	31.93	40.96	54.00	-13.04	QP	100	110

3) Radiated emission: Above 1G

Note:

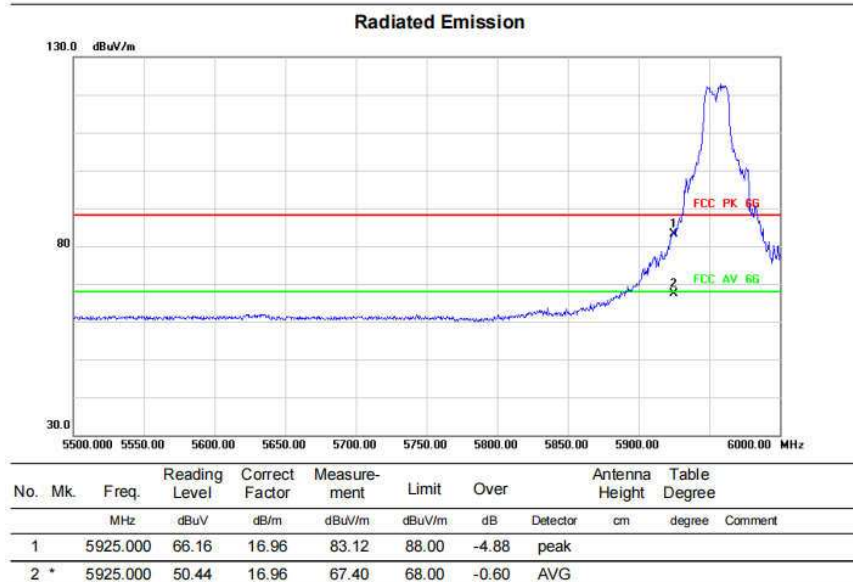
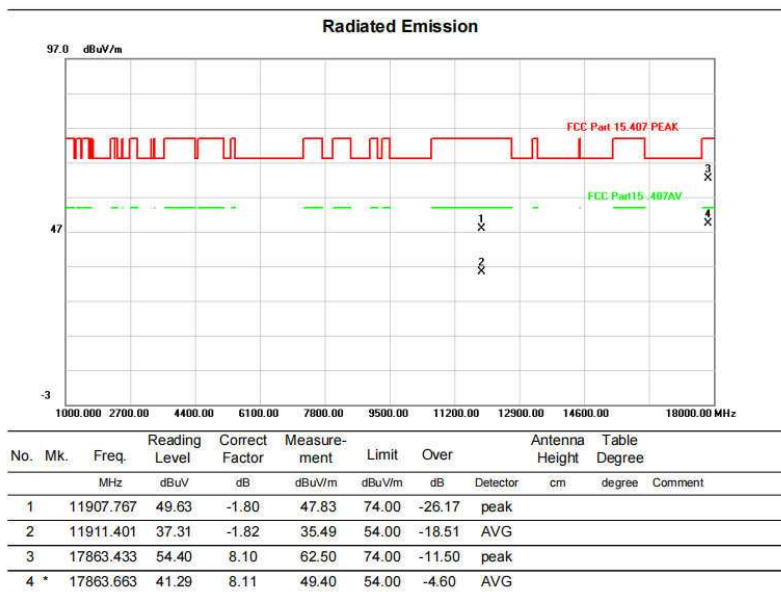
1. Measurement = Reading + Correct Factor.
2. Over = Measurement – Limit

Above 1G (1GHz~18GHz)

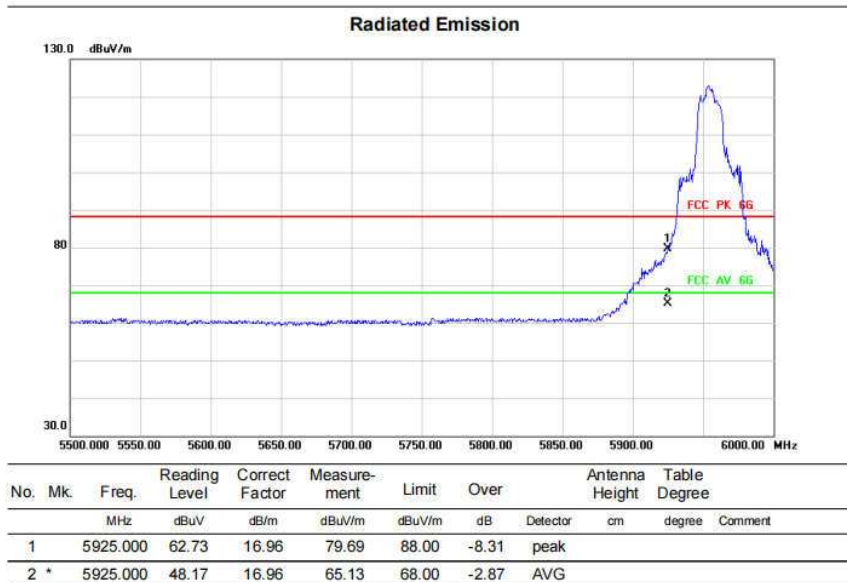
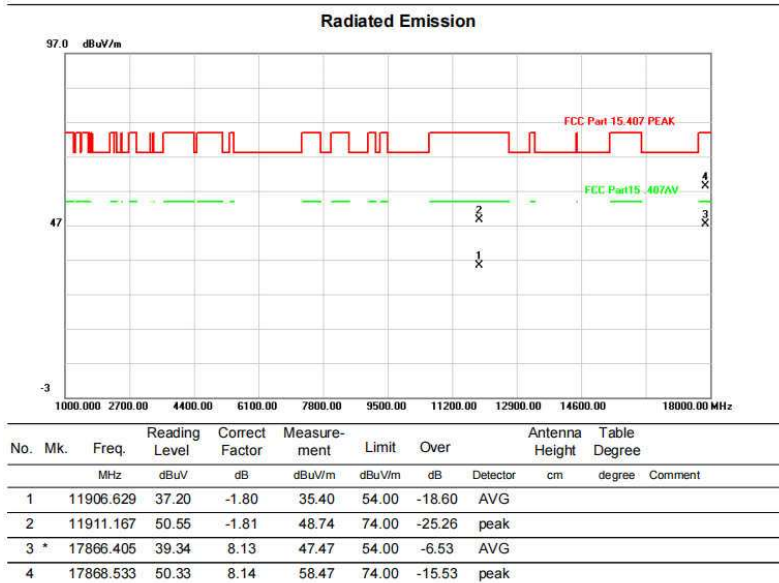
Test mode:11A-CDD

Test Channel:1

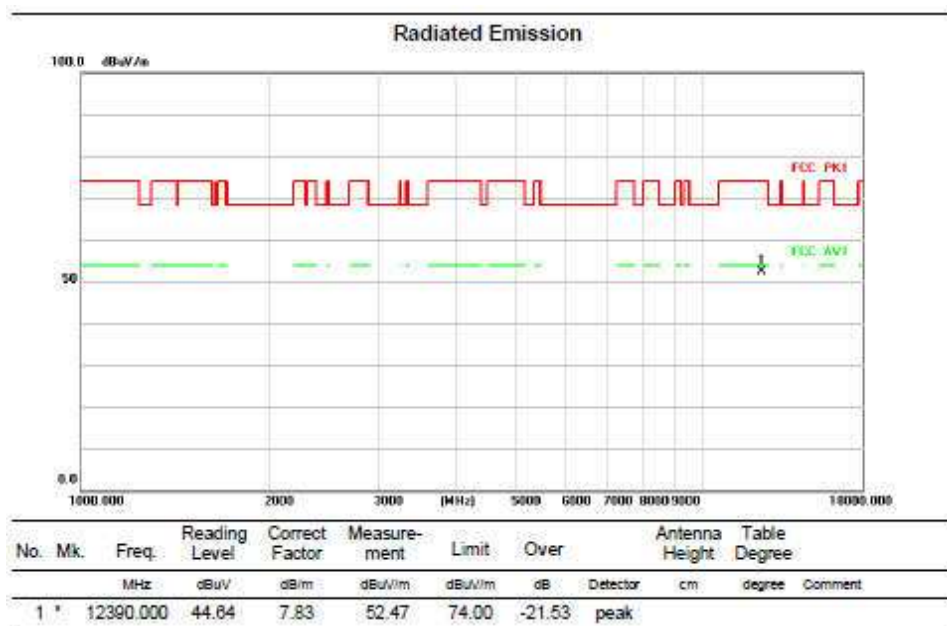
VERTICAL



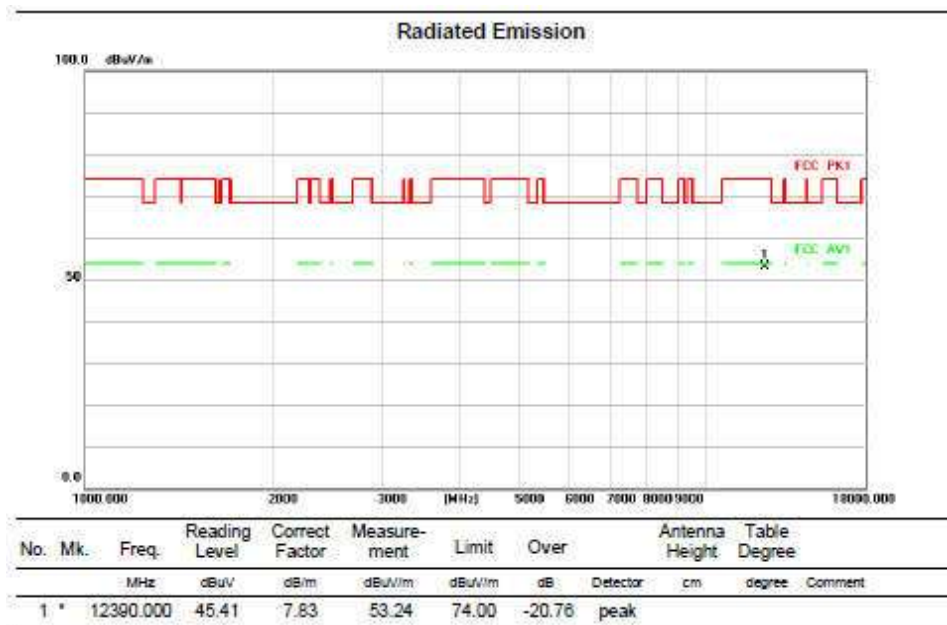
HORIZONTALA



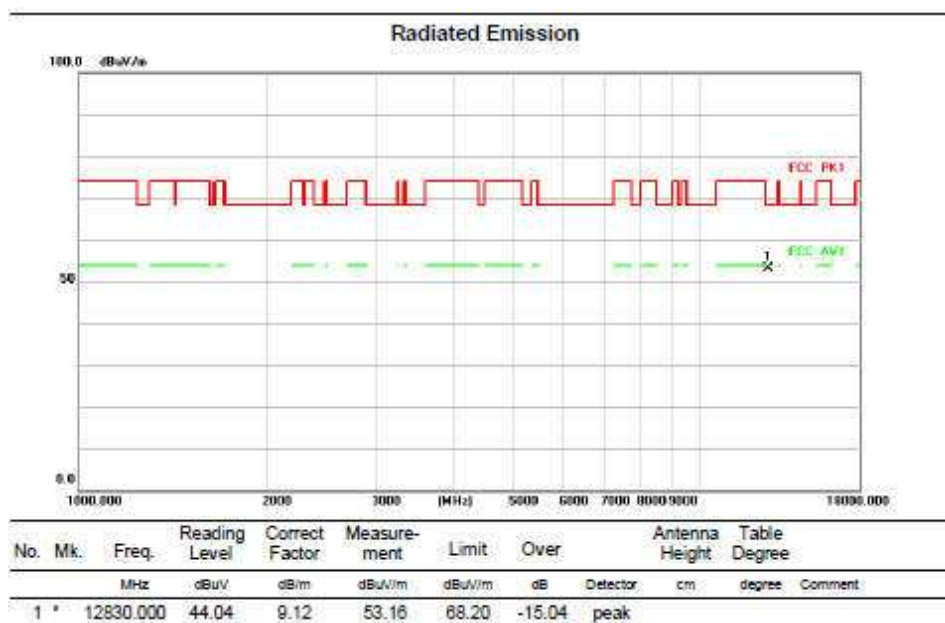
VERTICAL



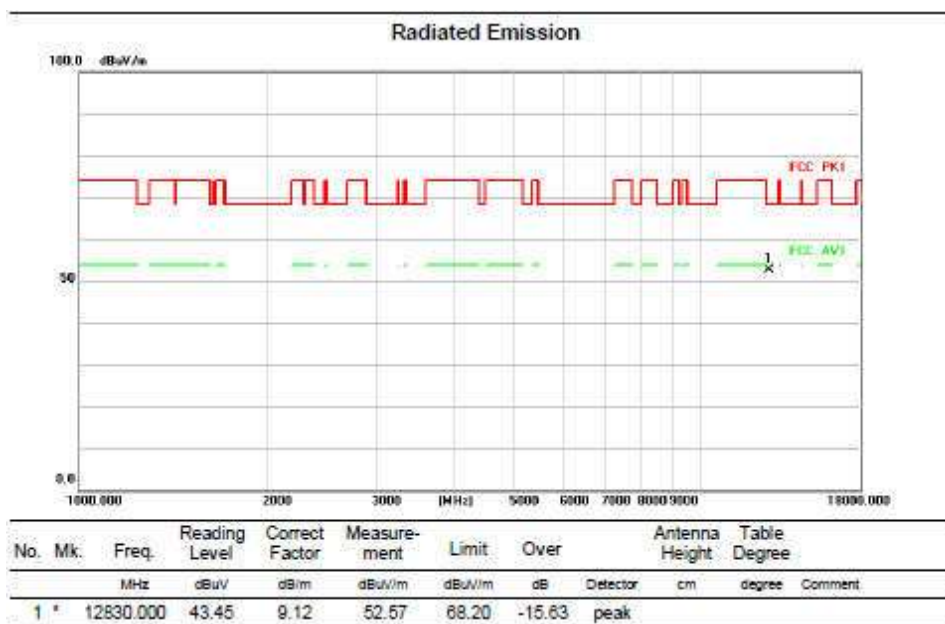
HORIZONTAL



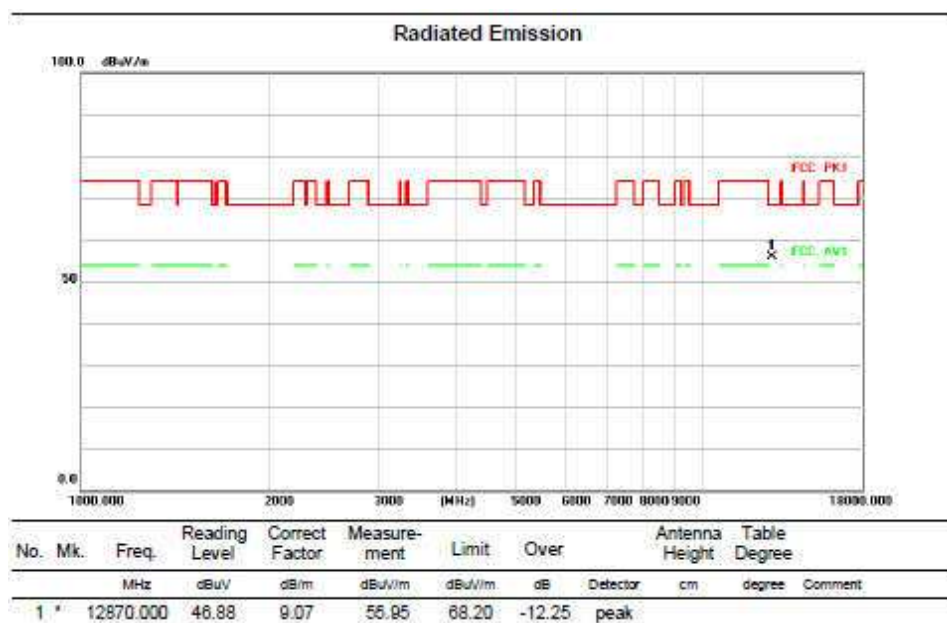
VERTICAL



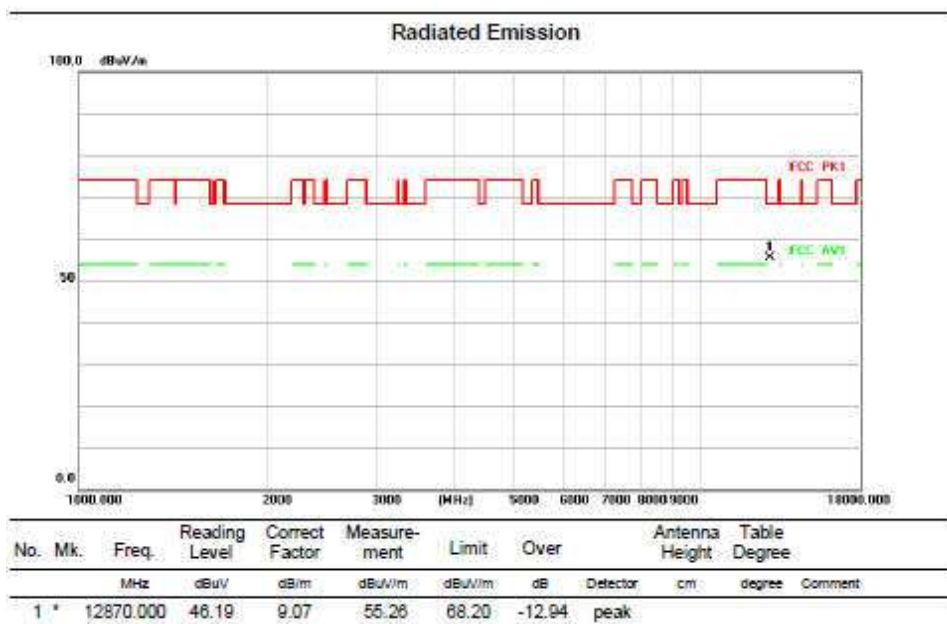
HORIZONTAL



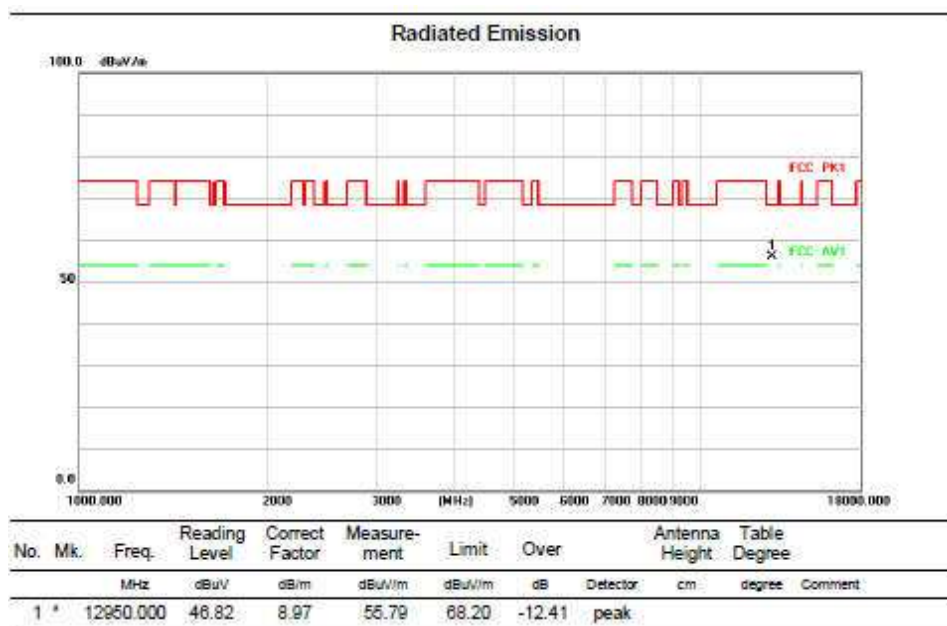
VERTICAL



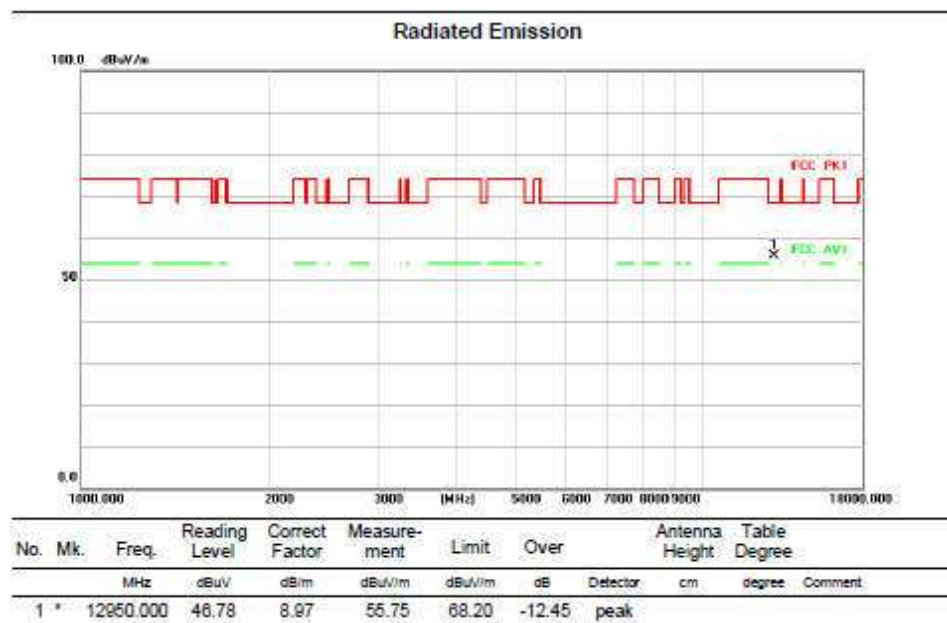
HORIZONTAL



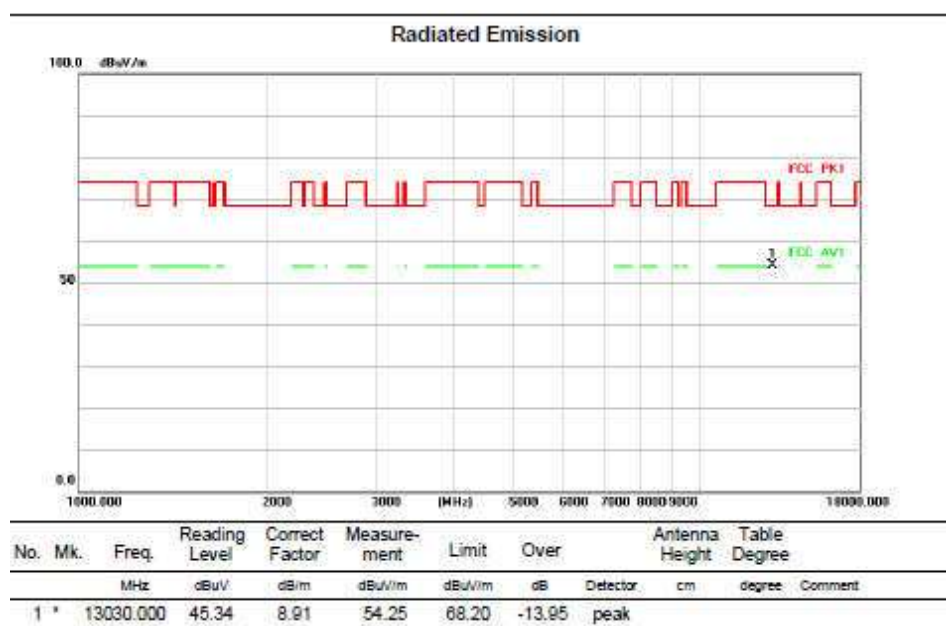
VERTICAL



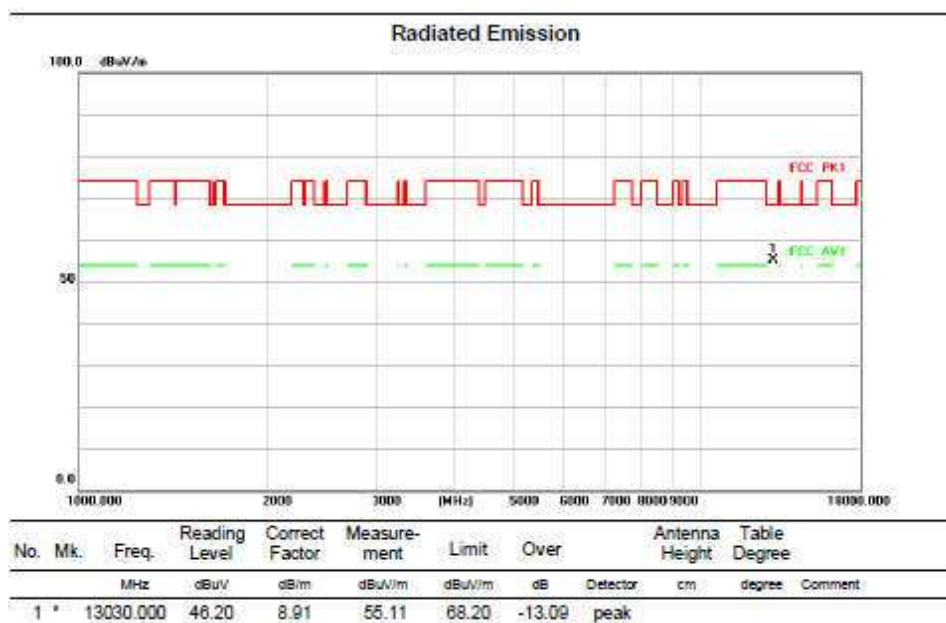
HORIZONTAL



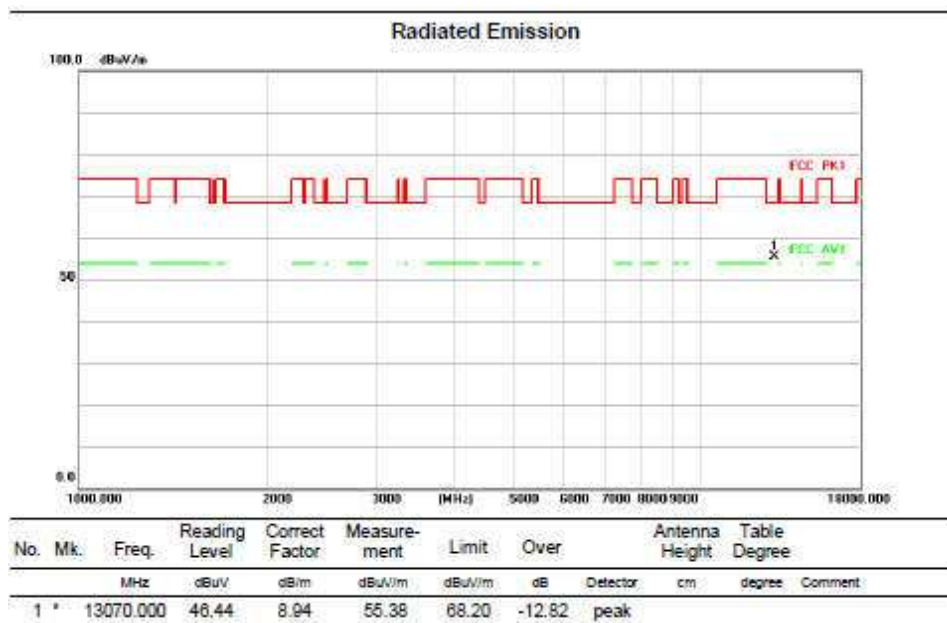
VERTICAL



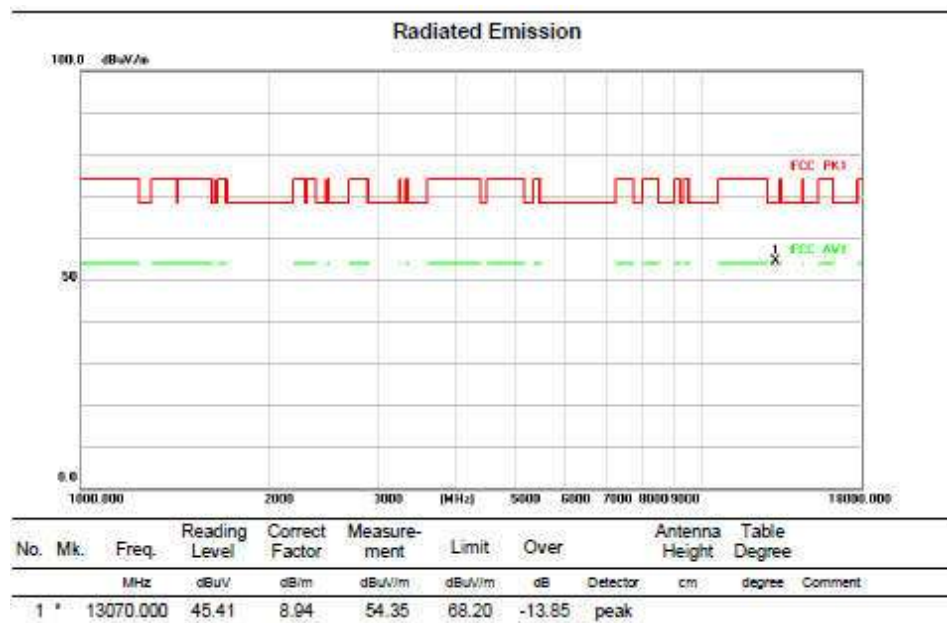
HORIZONTAL



VERTICAL



HORIZONTAL

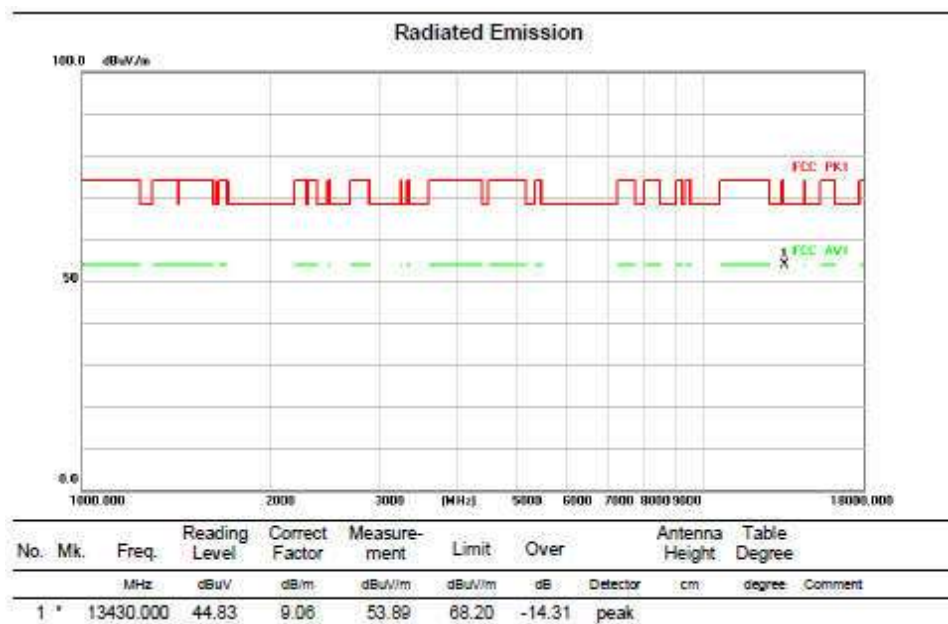


Above 1G (1GHz~18GHz)

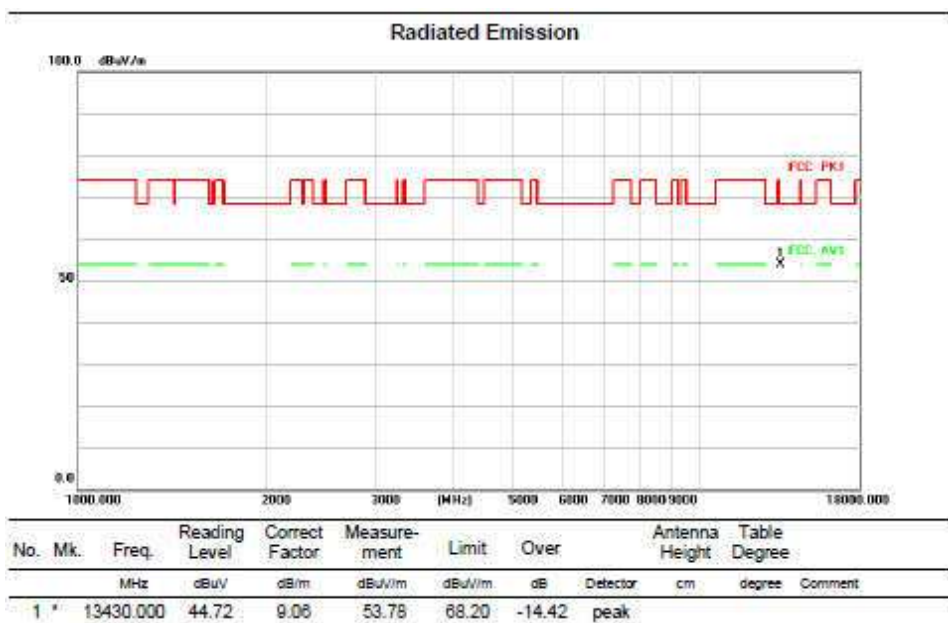
Test mode:11A-CDD

Test Channel:153

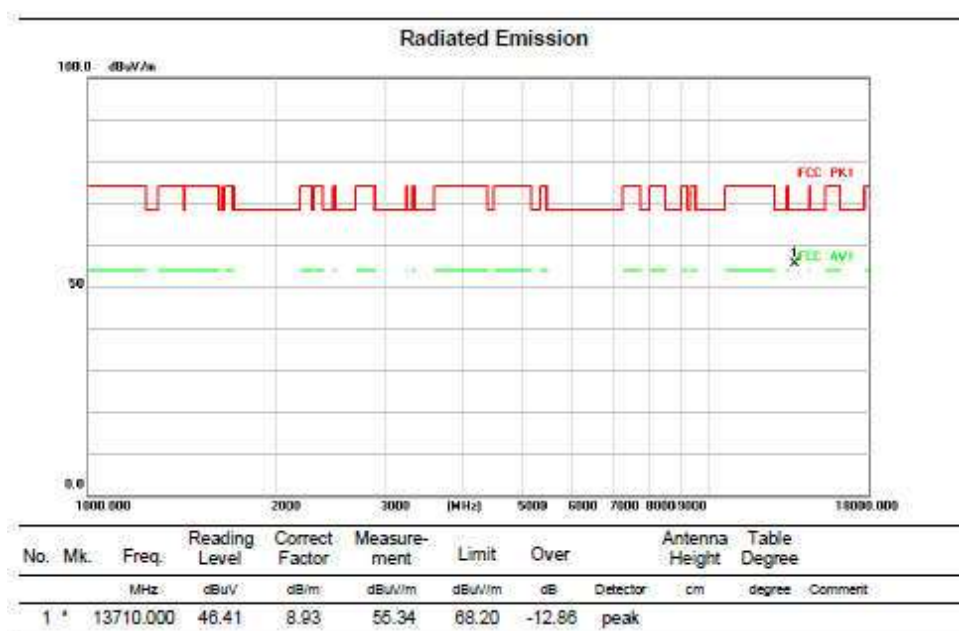
VERTICAL



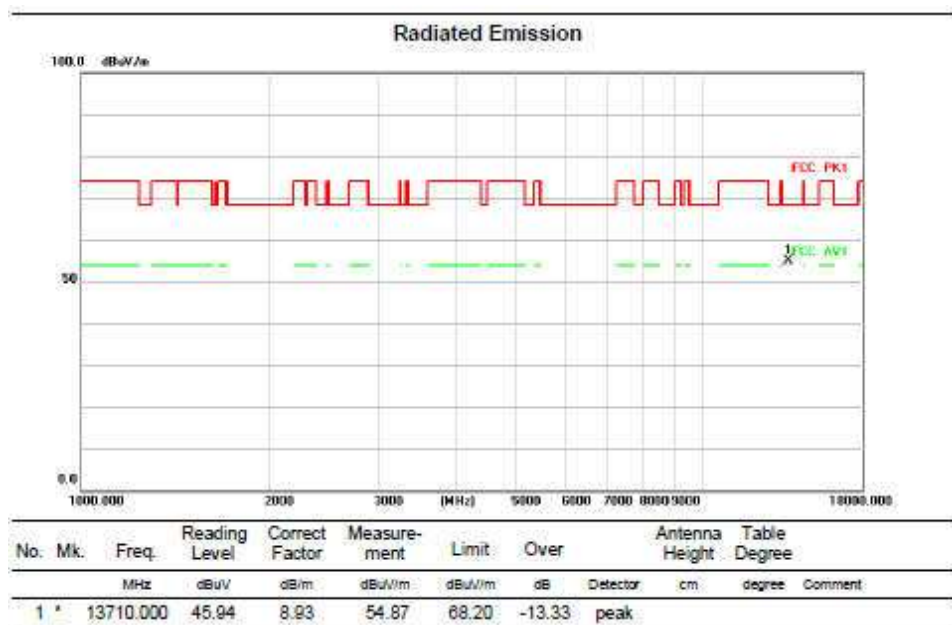
HORIZONTAL



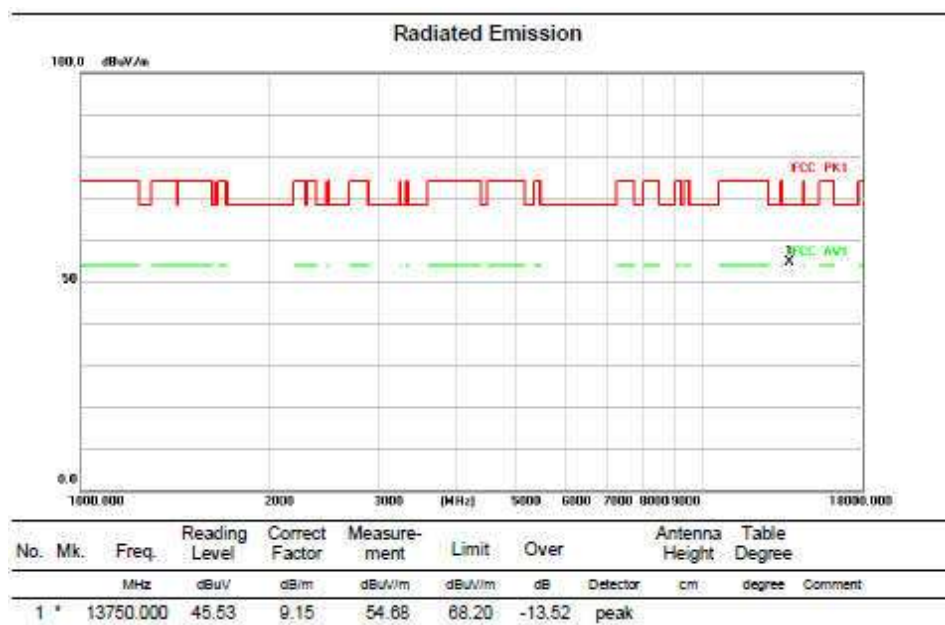
VERTICAL



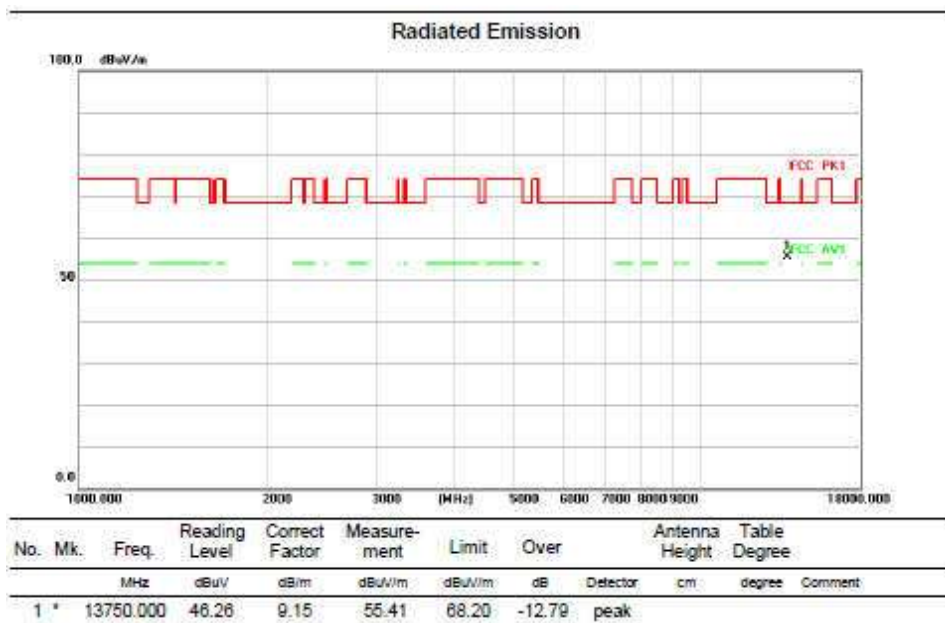
HORIZONTAL



VERTICAL



HORIZONTAL

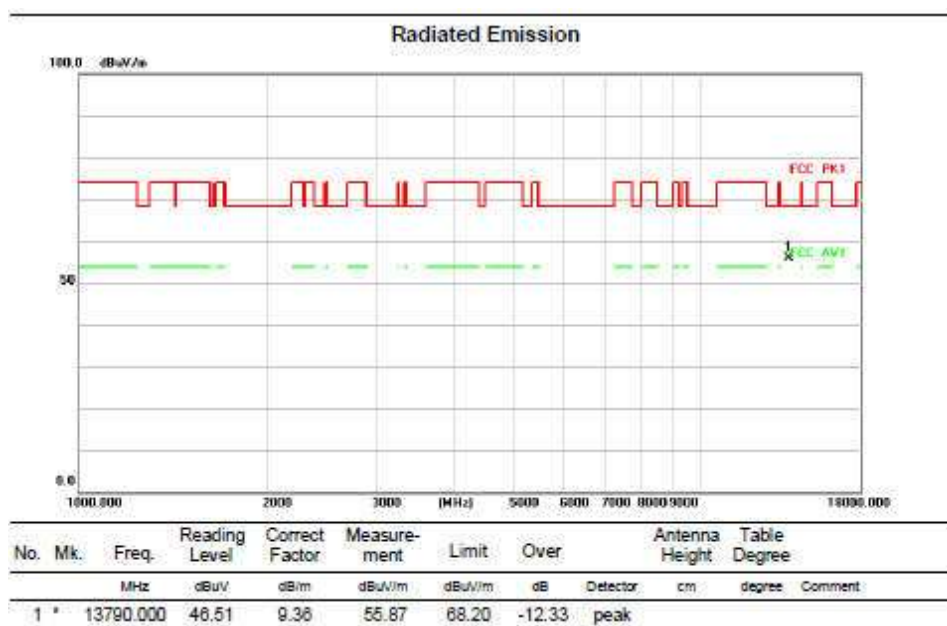


Above 1G (1GHz~18GHz)

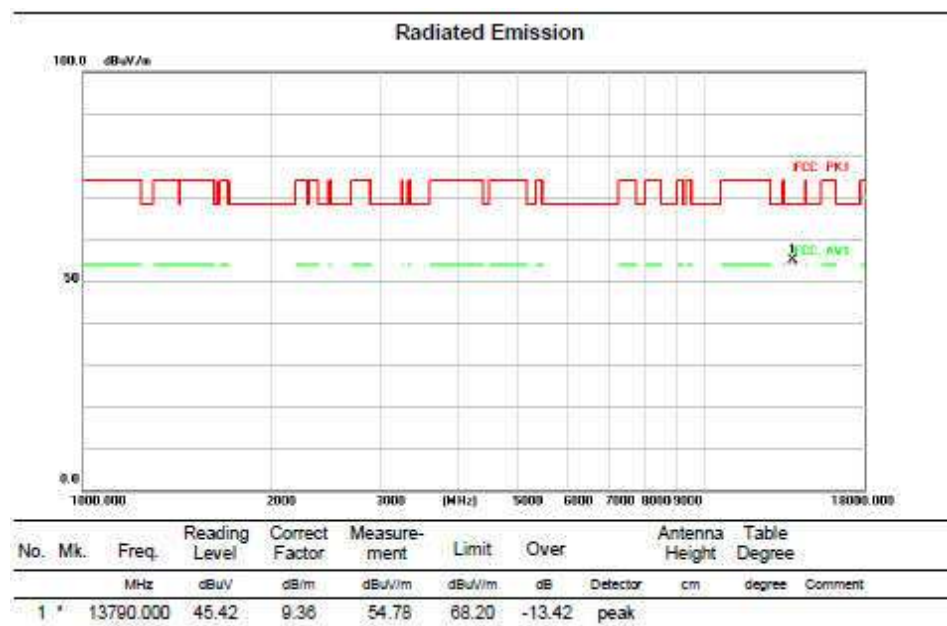
Test mode:11A-CDD

Test Channel:189

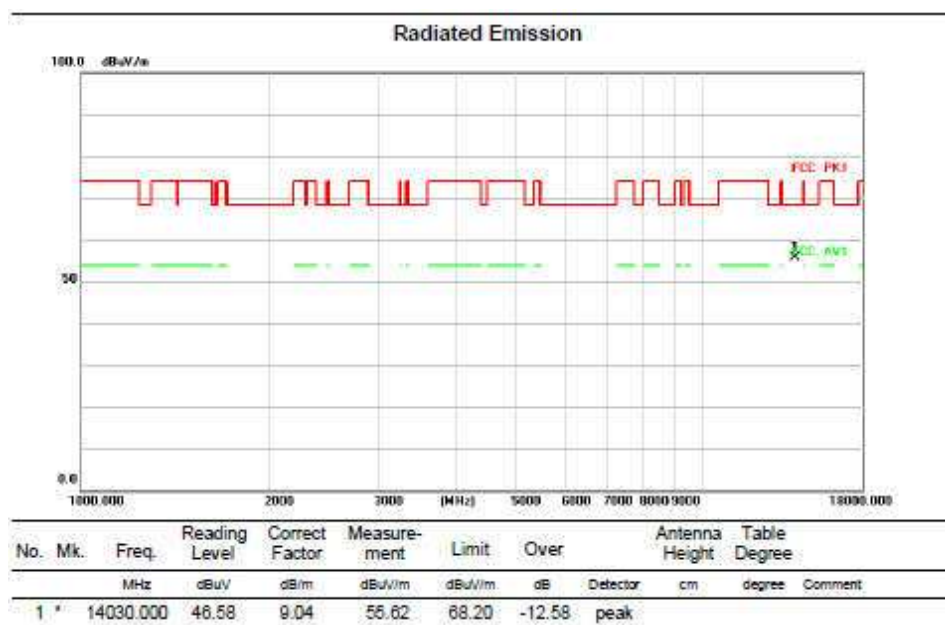
VERTICAL



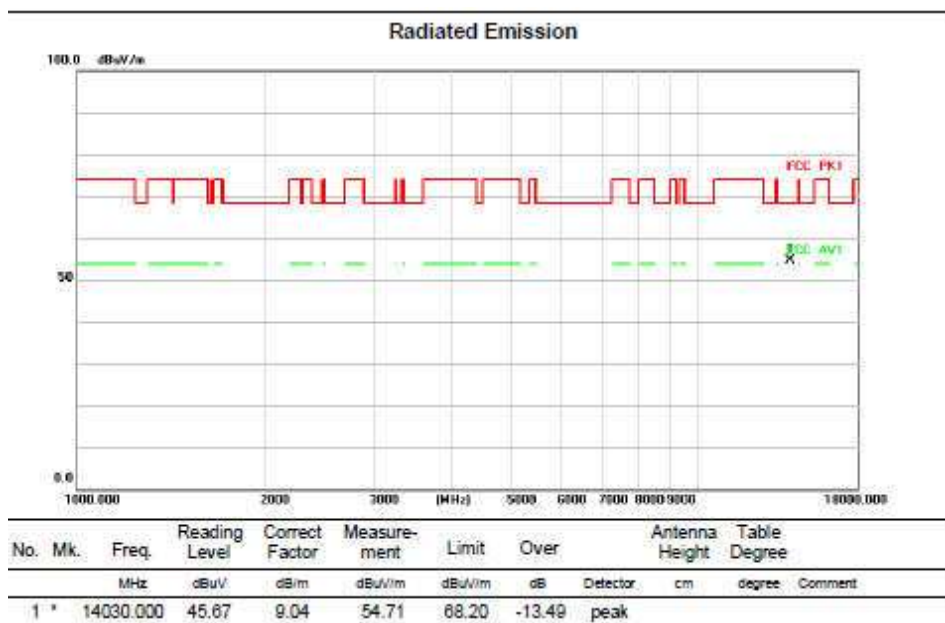
HORIZONTAL



VERTICAL

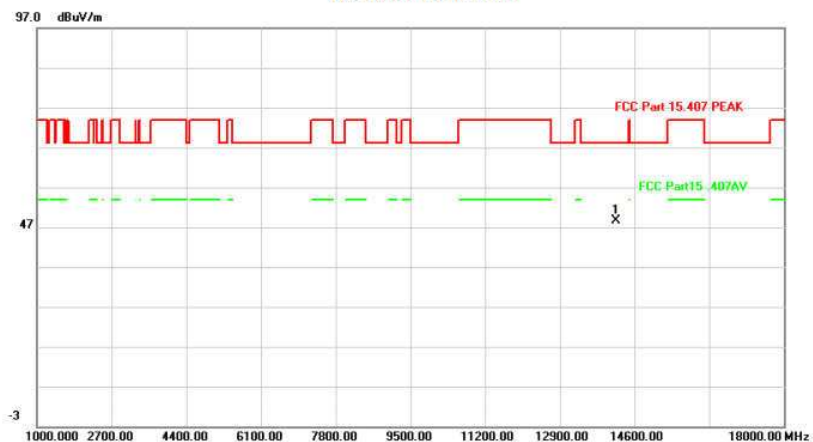


HORIZONTAL



VERTICAL

Radiated Emission



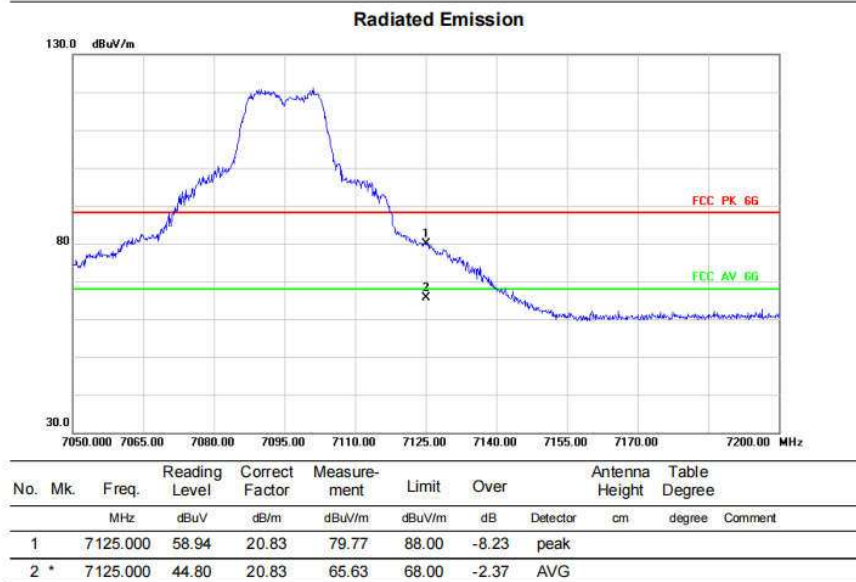
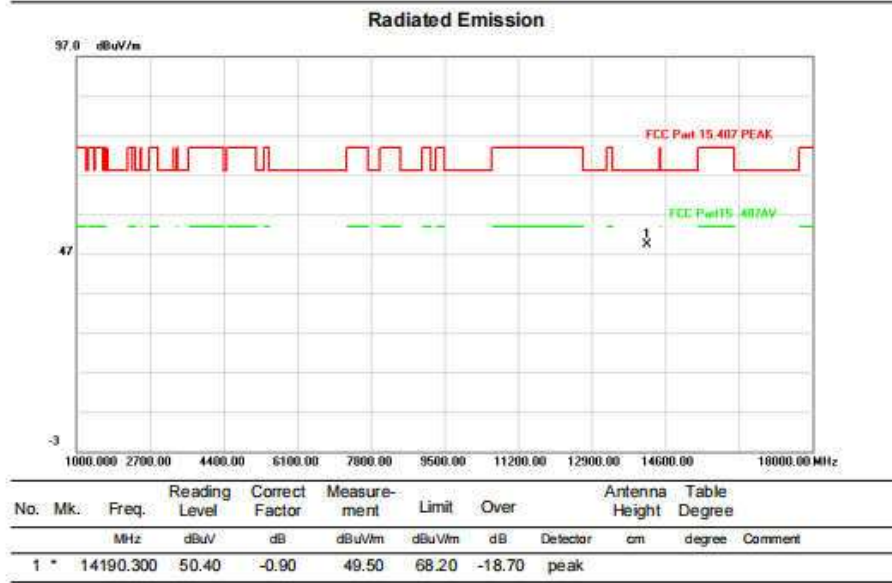
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1	*	14191.133	49.51	-0.90	48.61	68.20	-19.59	peak	

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		7125.000	61.72	20.83	82.55	88.00	-5.45	peak	
2	*	7125.000	46.41	20.83	67.24	68.00	-0.76	AVG	

HORIZONTALA

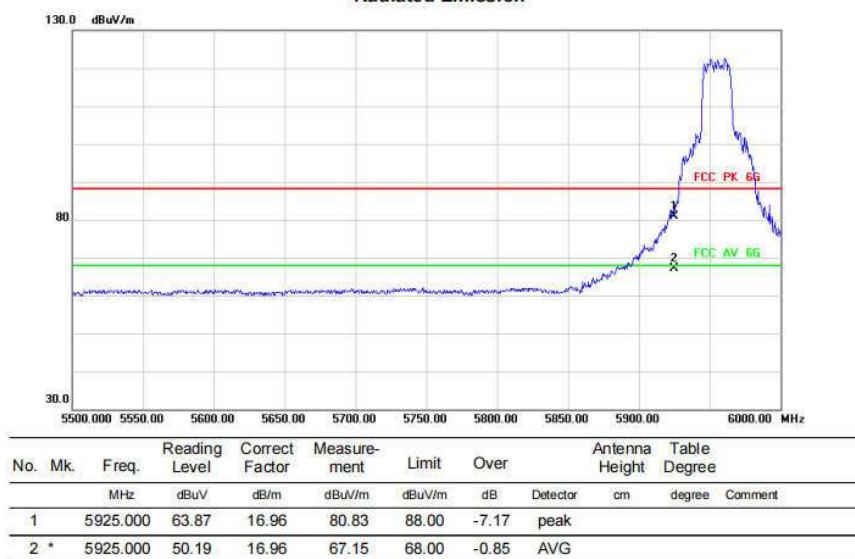


VERTICAL

Radiated Emission



Radiated Emission

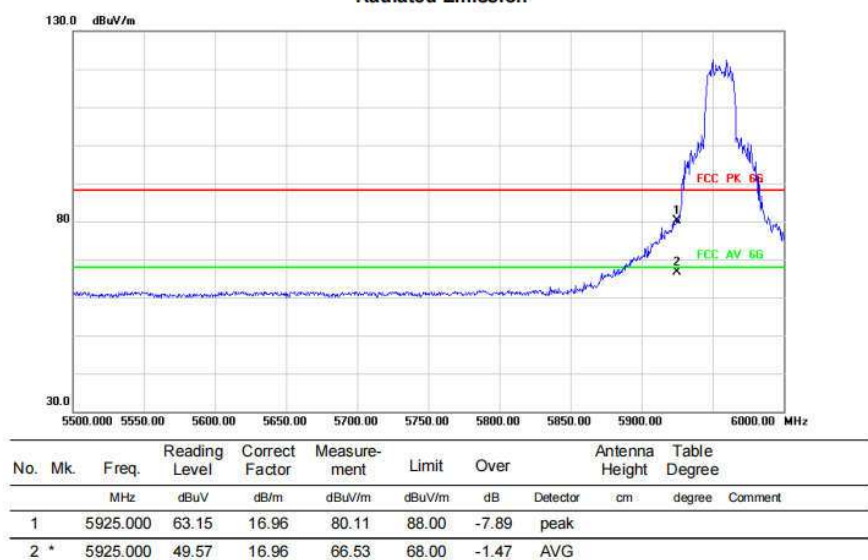


HORIZONTALA

Radiated Emission



Radiated Emission

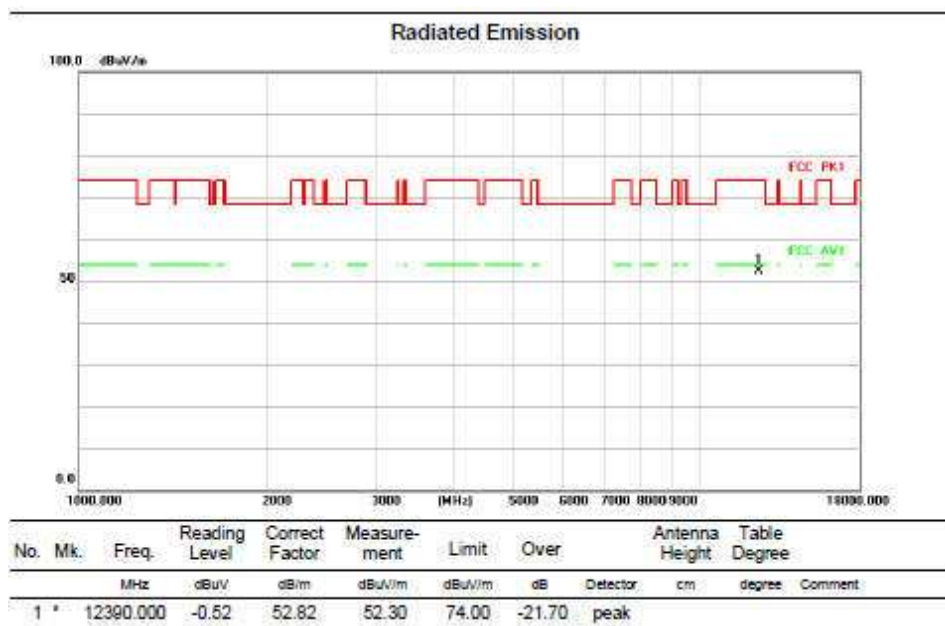


Above 1G (1GHz~18GHz)

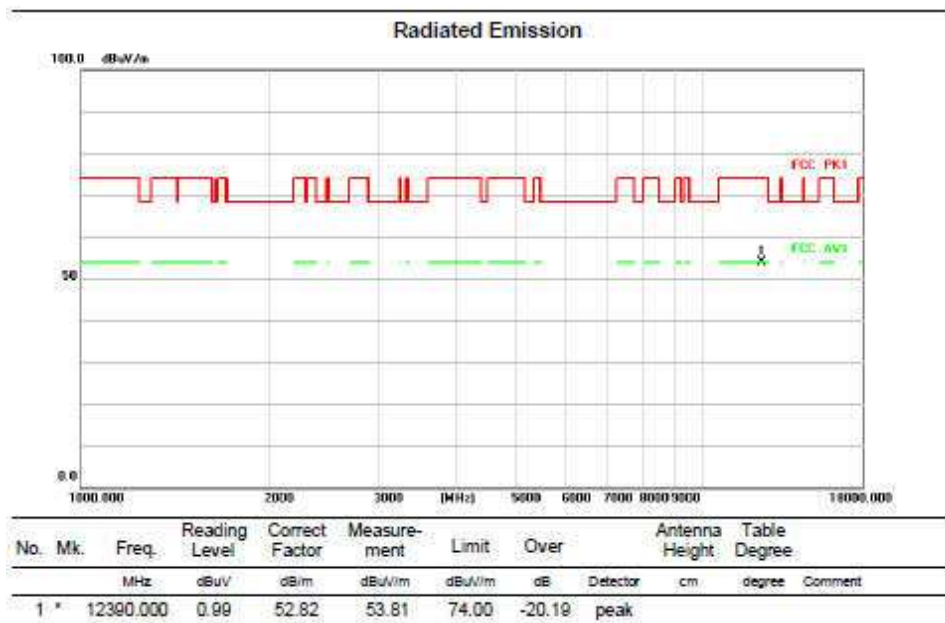
Test mode:11BE20MIMO

Test Channel:49

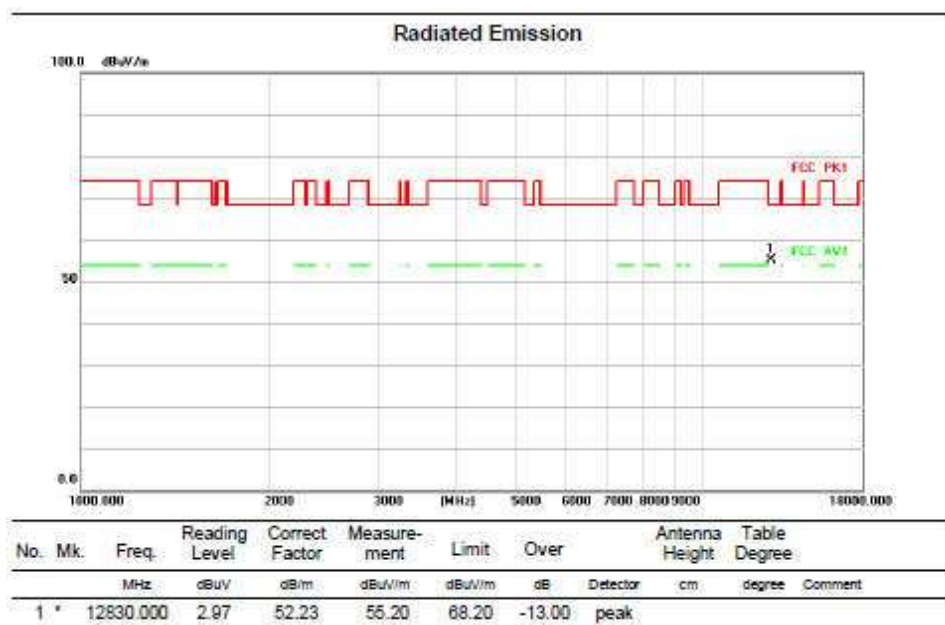
VERTICAL



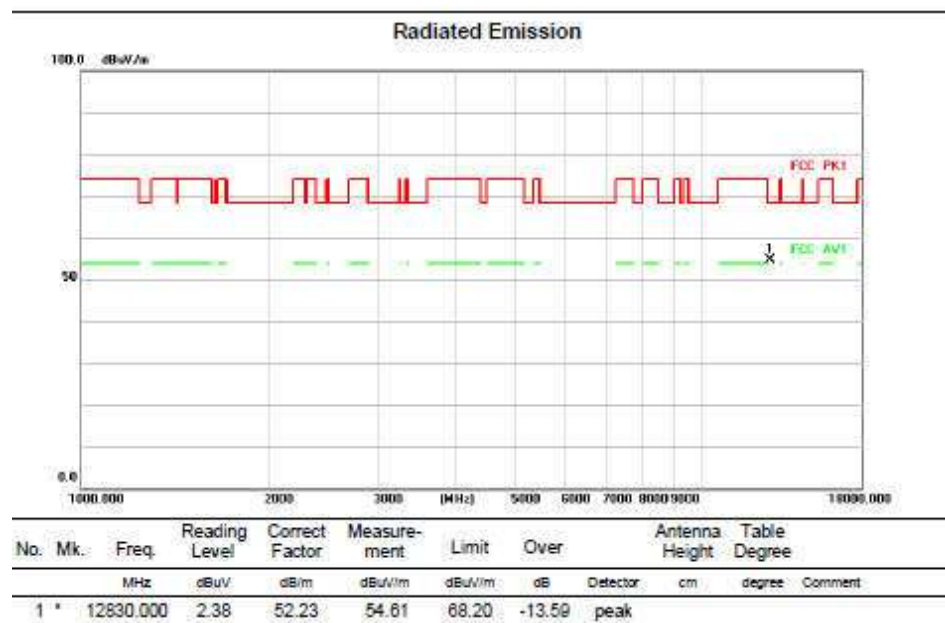
HORIZONTAL



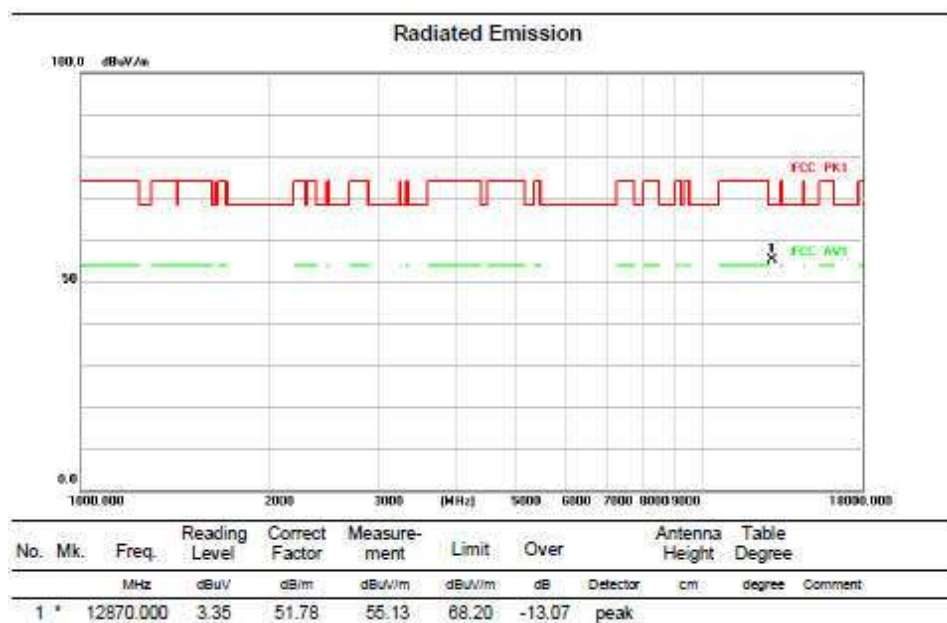
VERTICAL



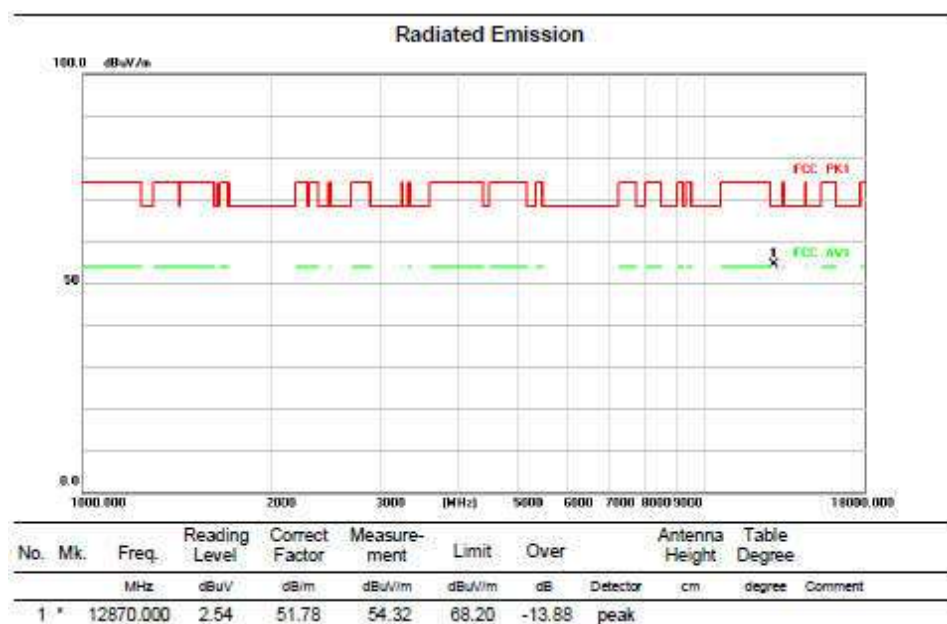
HORIZONTAL



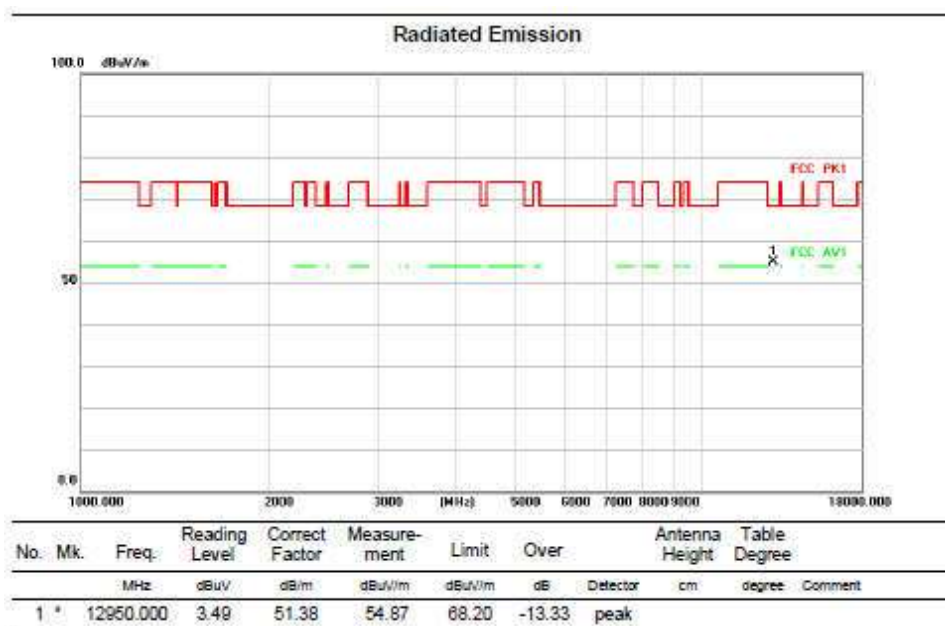
VERTICAL



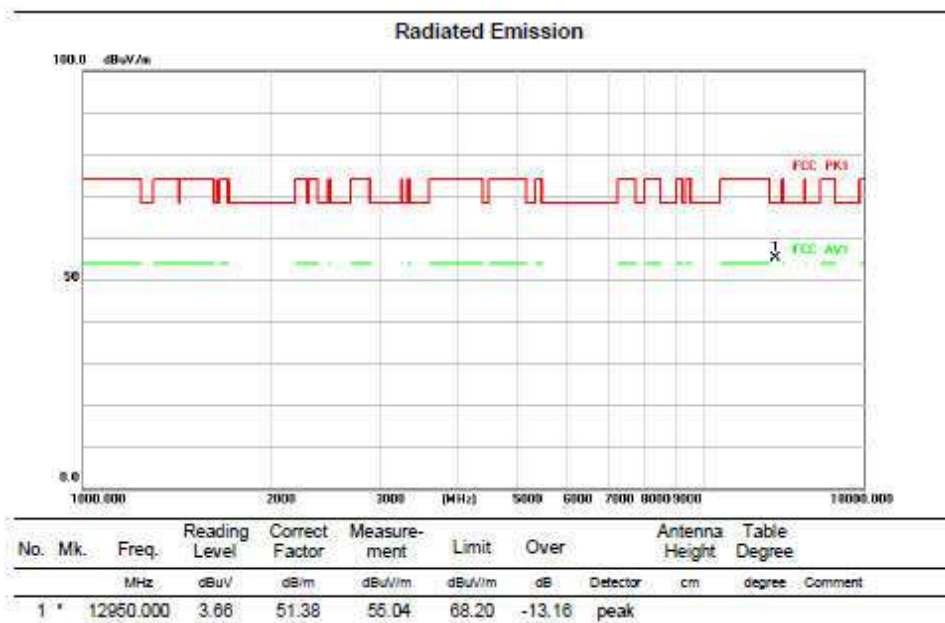
HORIZONTAL



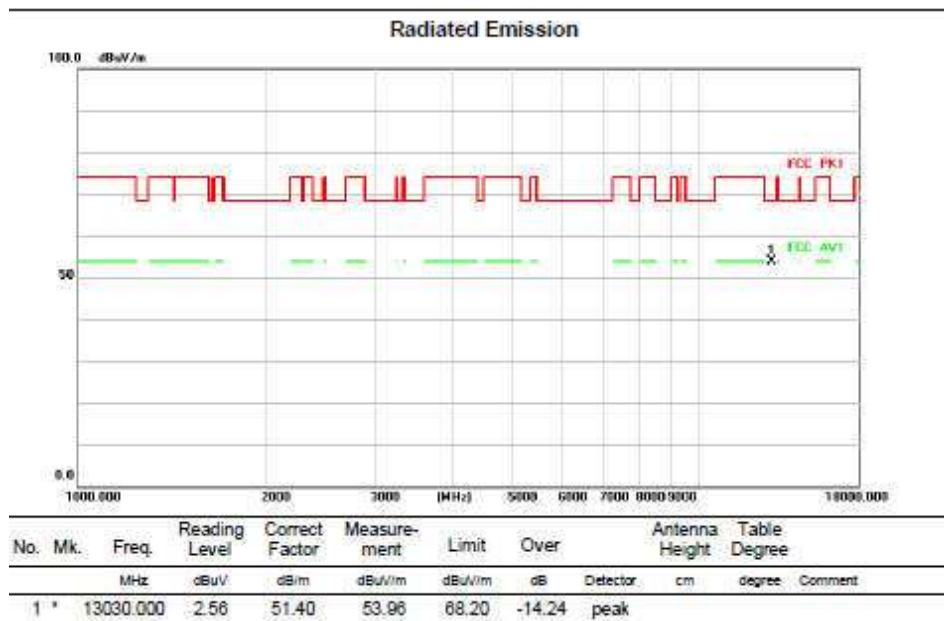
VERTICAL



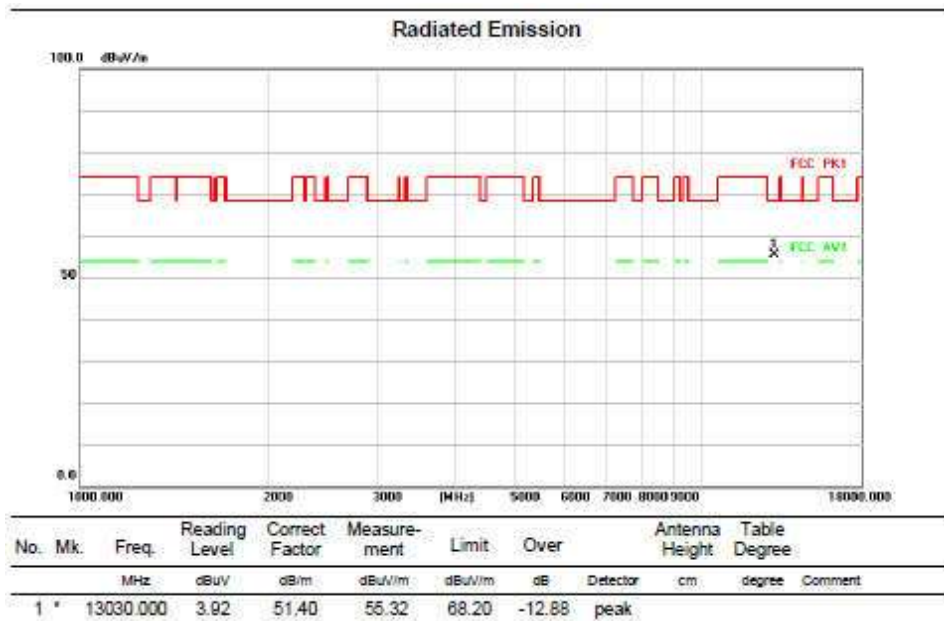
HORIZONTAL



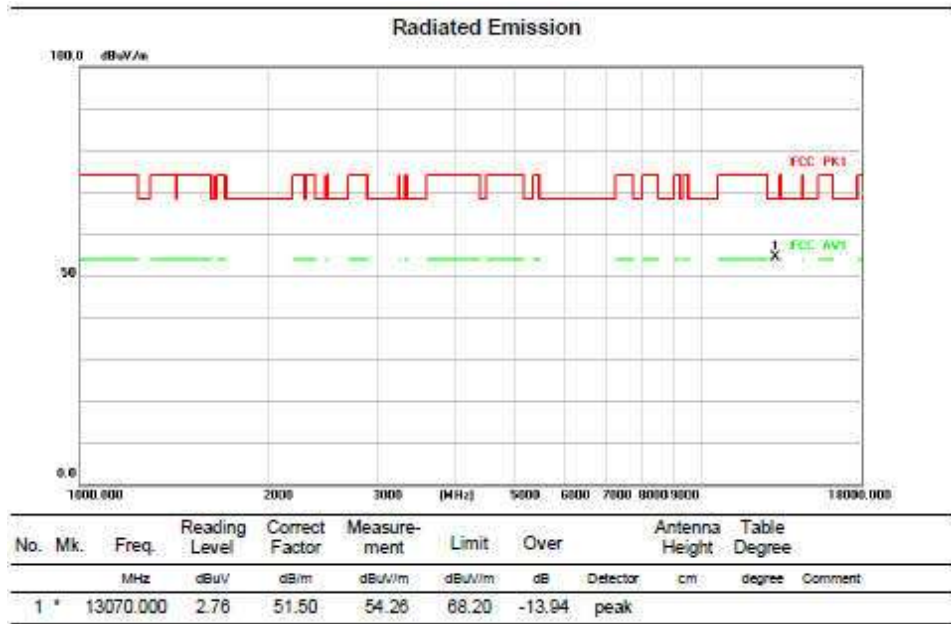
VERTICAL



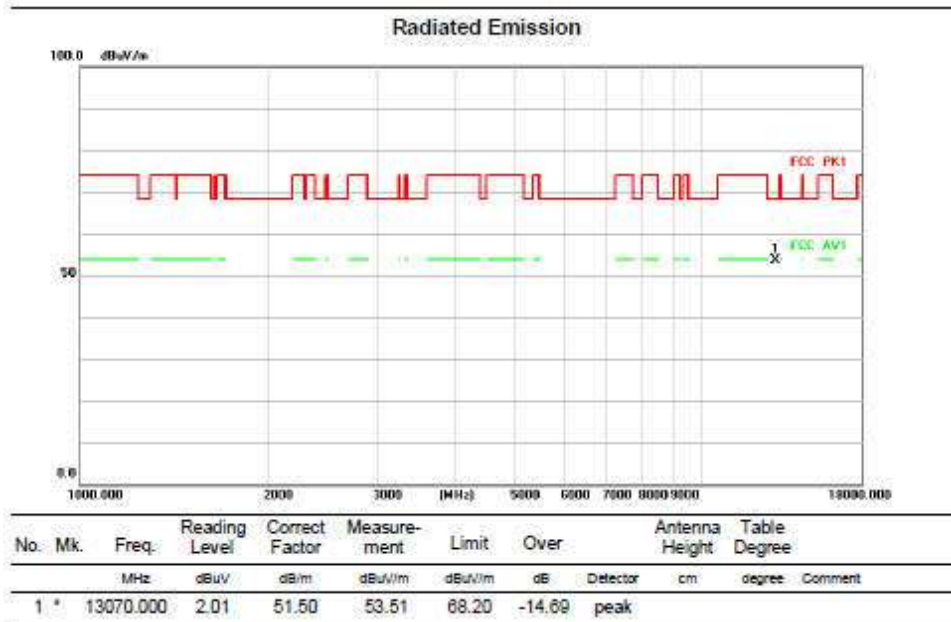
HORIZONTAL



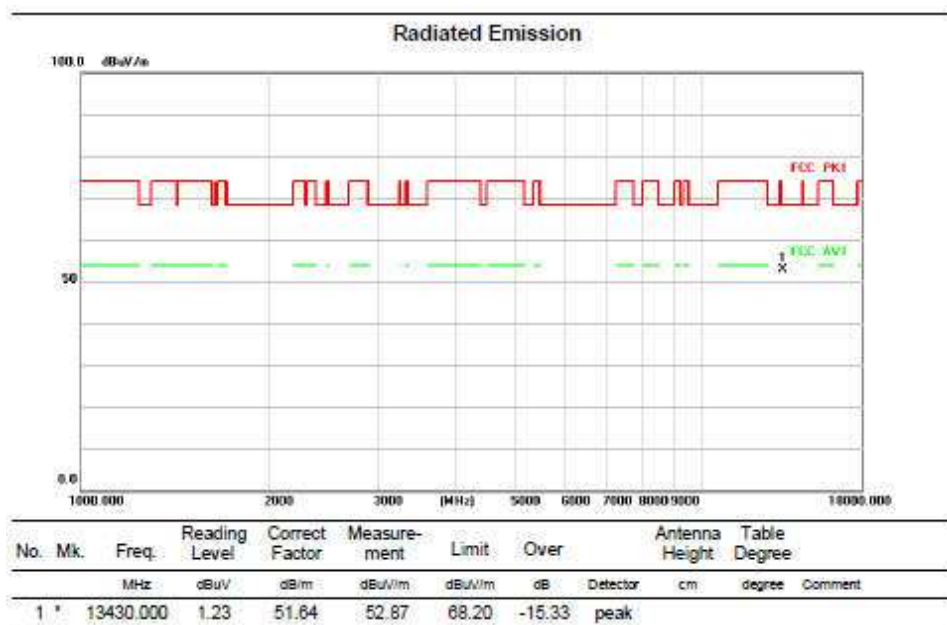
VERTICAL



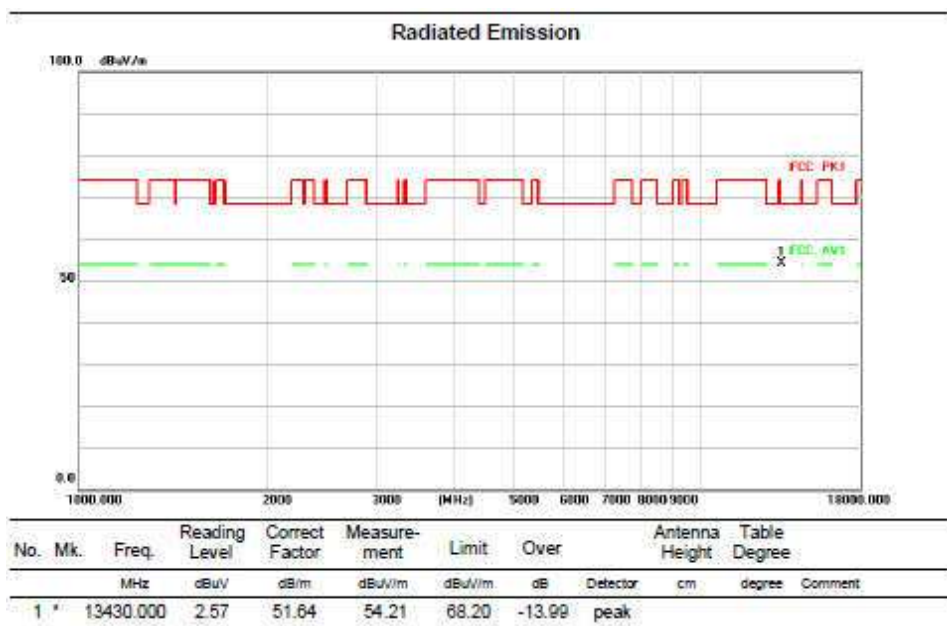
HORIZONTAL



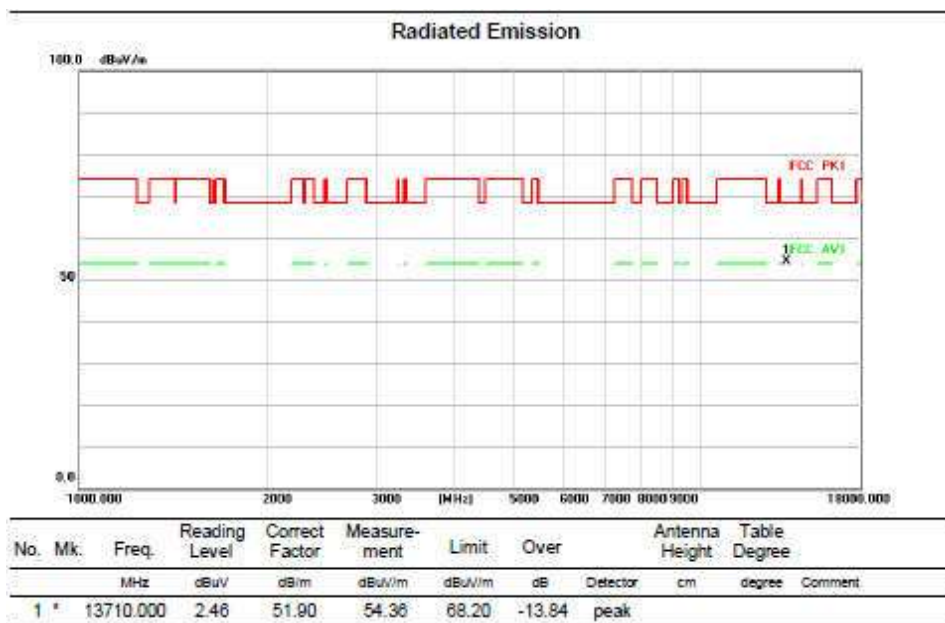
VERTICAL



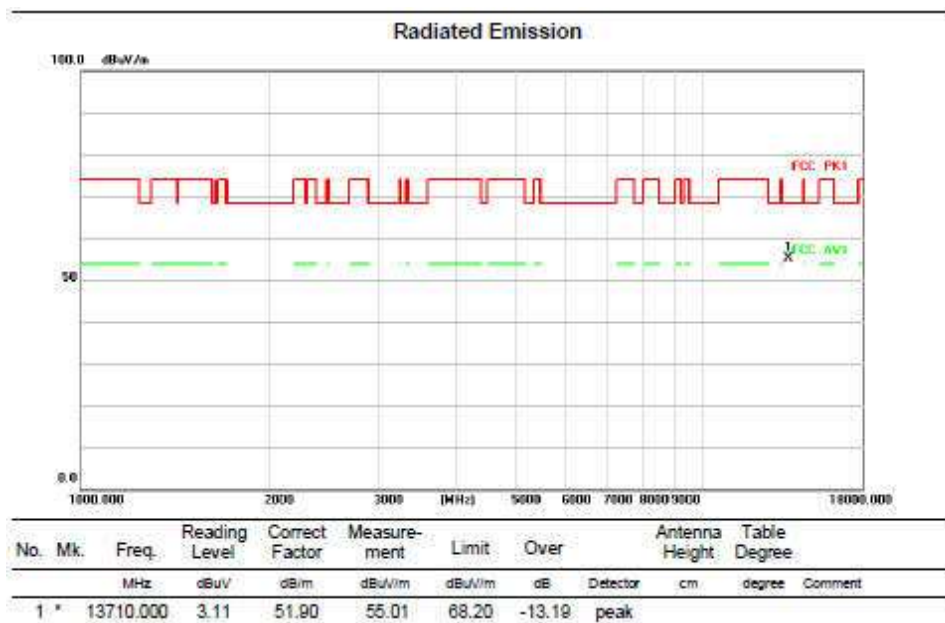
HORIZONTAL



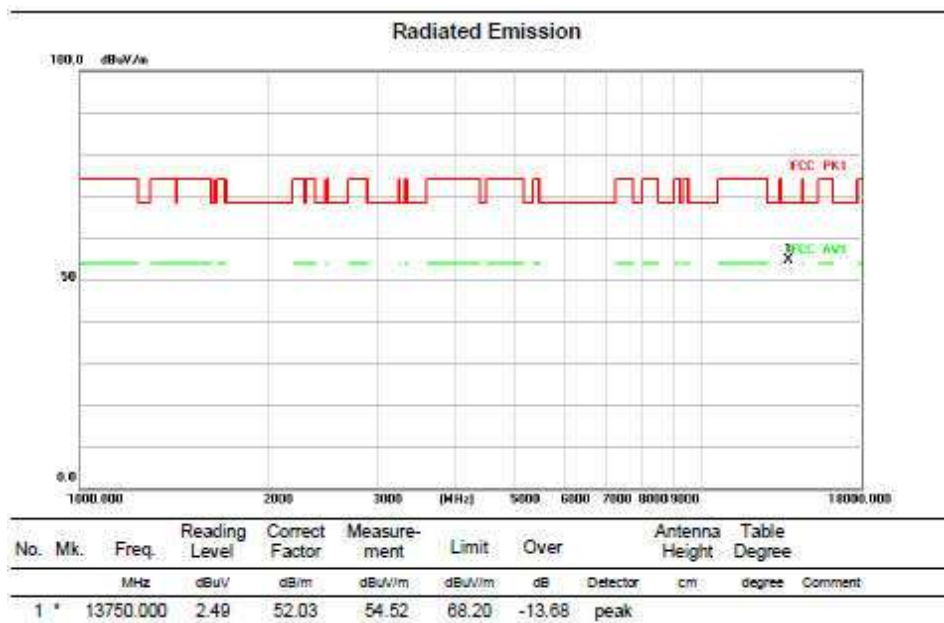
VERTICAL



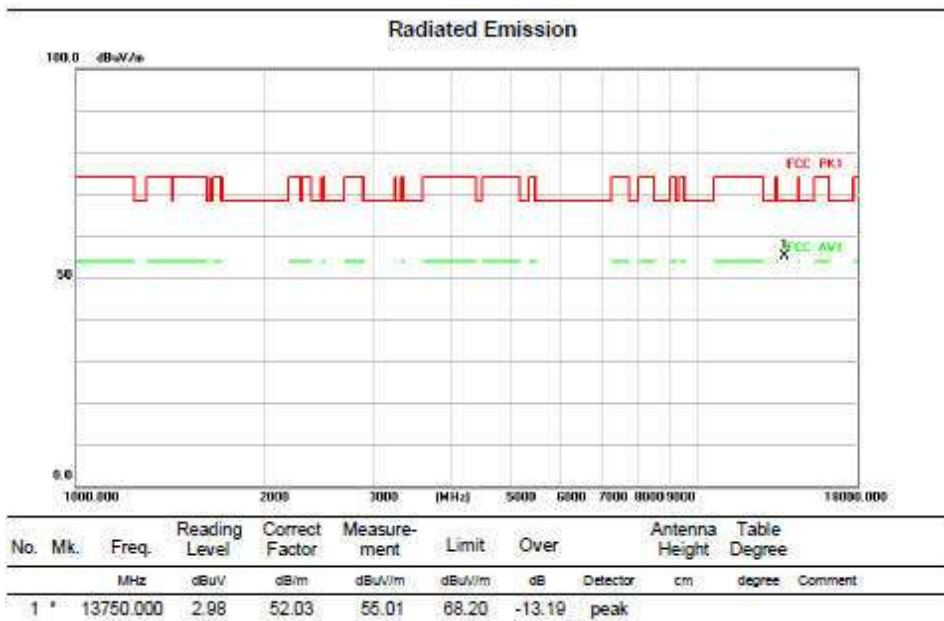
HORIZONTAL



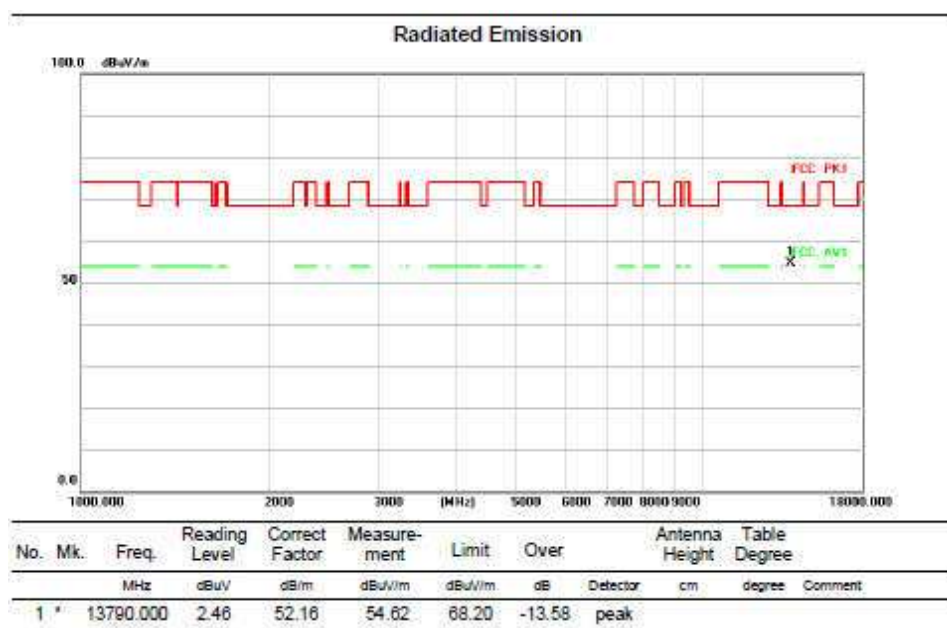
VERTICAL



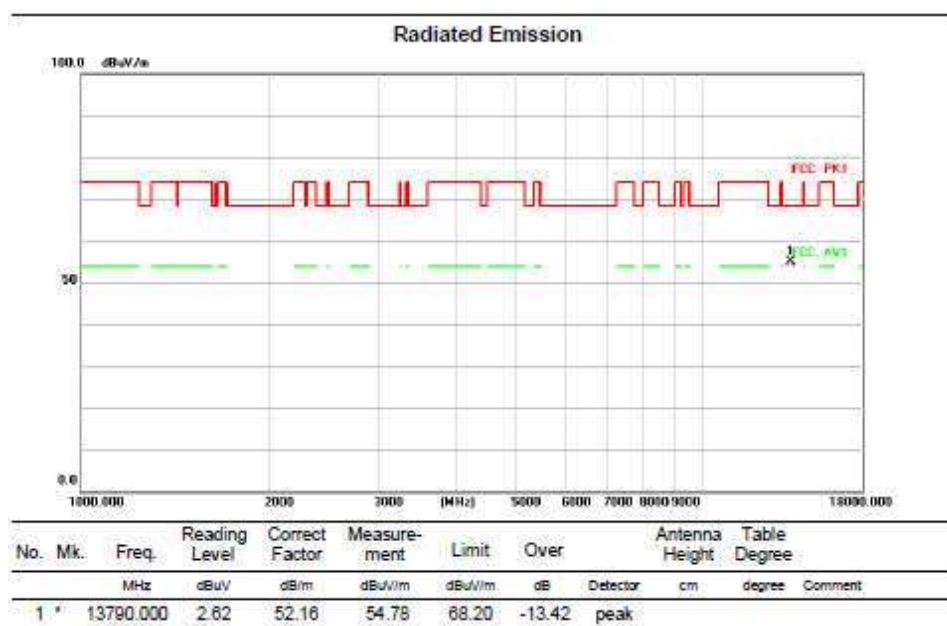
HORIZONTAL



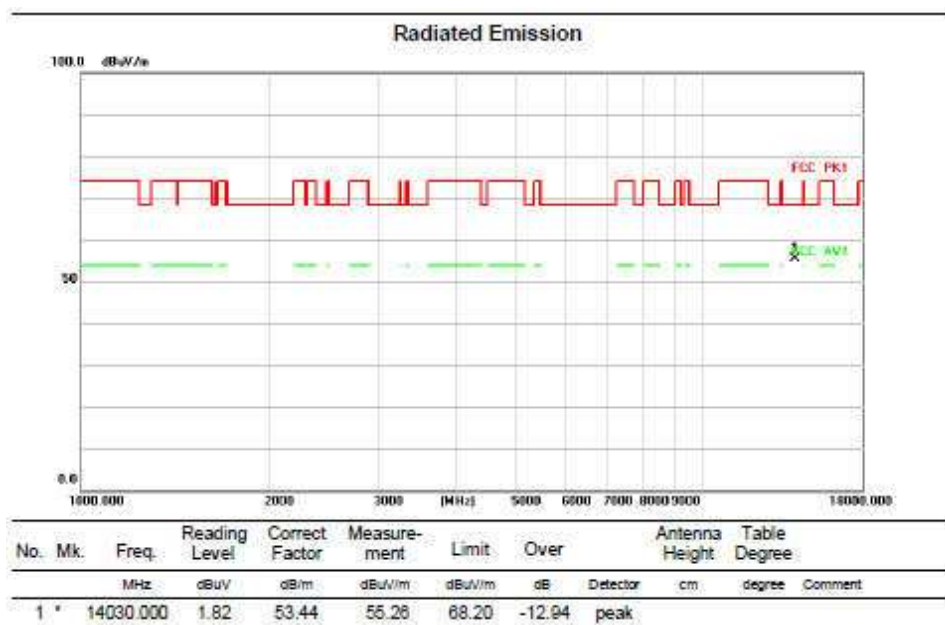
VERTICAL



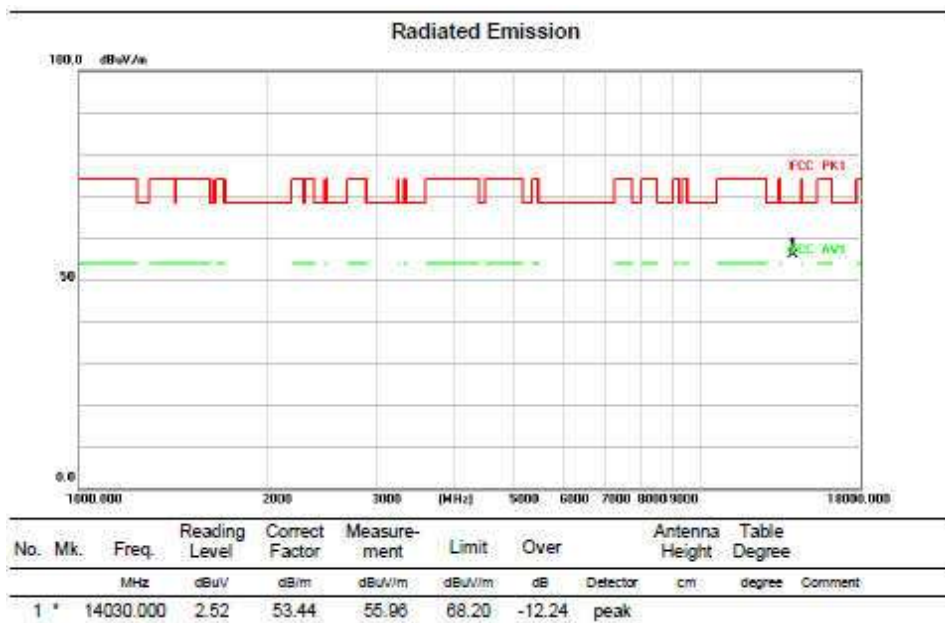
HORIZONTAL



VERTICAL

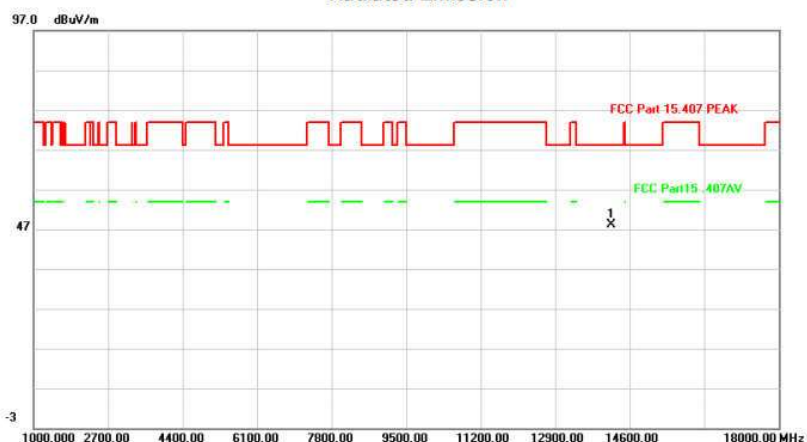


HORIZONTAL



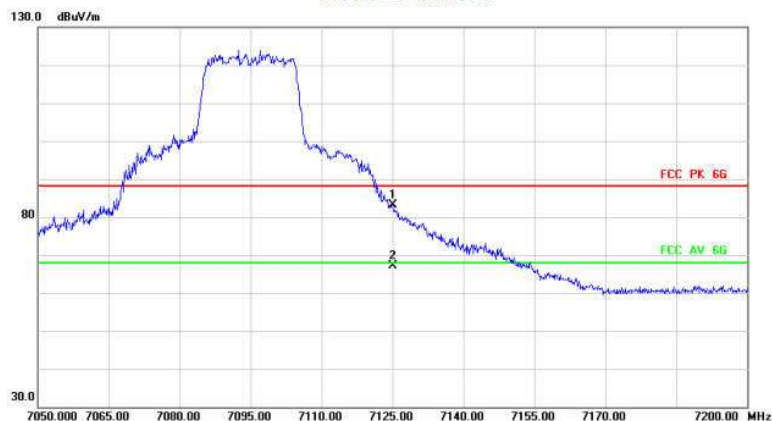
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1 *		14188.033	49.05	-0.90	48.15	68.20	-20.05	peak	Comment

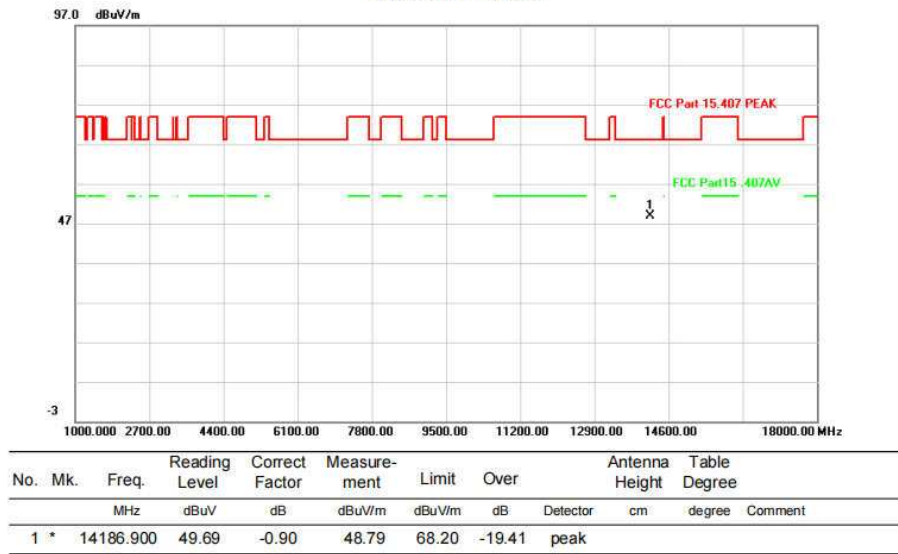
Radiated Emission



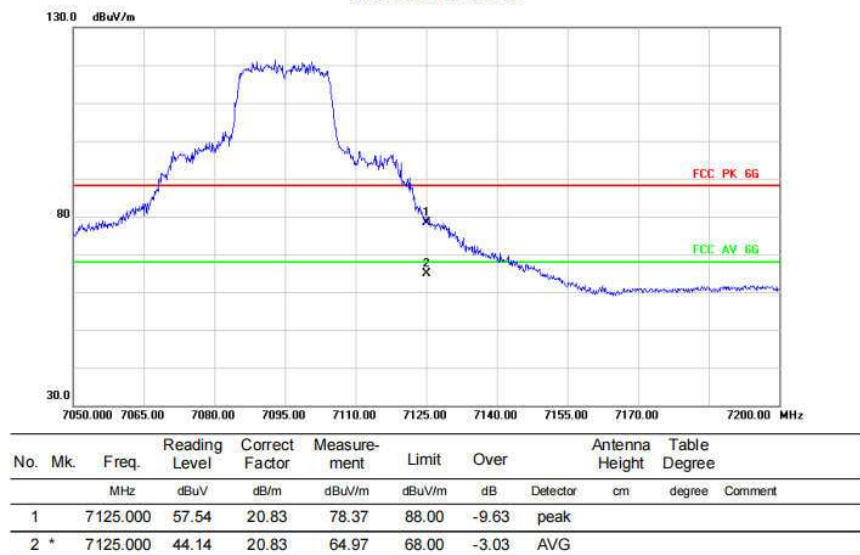
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1		7125.000	62.34	20.83	83.17	88.00	-4.83	peak	Comment
2 *		7125.000	46.37	20.83	67.20	68.00	-0.80	AVG	Comment

HORIZONTALA

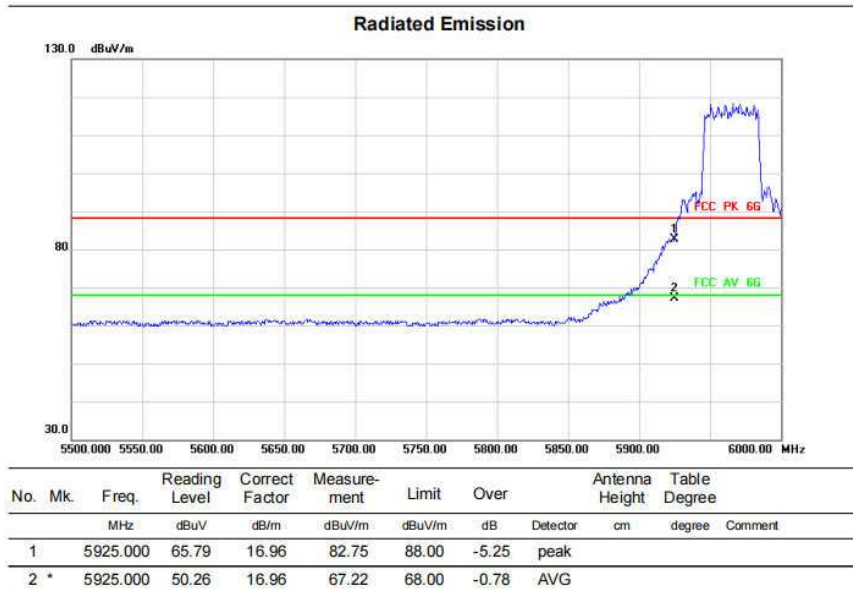
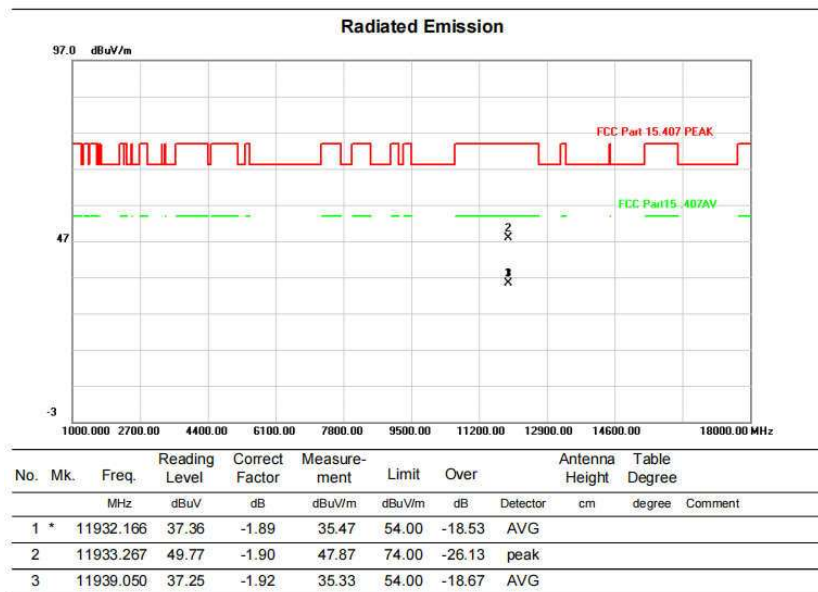
Radiated Emission



Radiated Emission

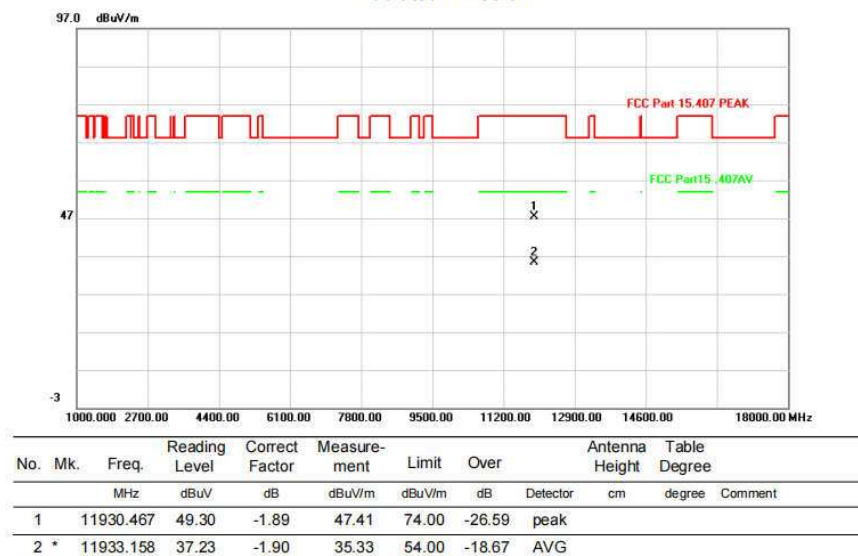


VERTICAL

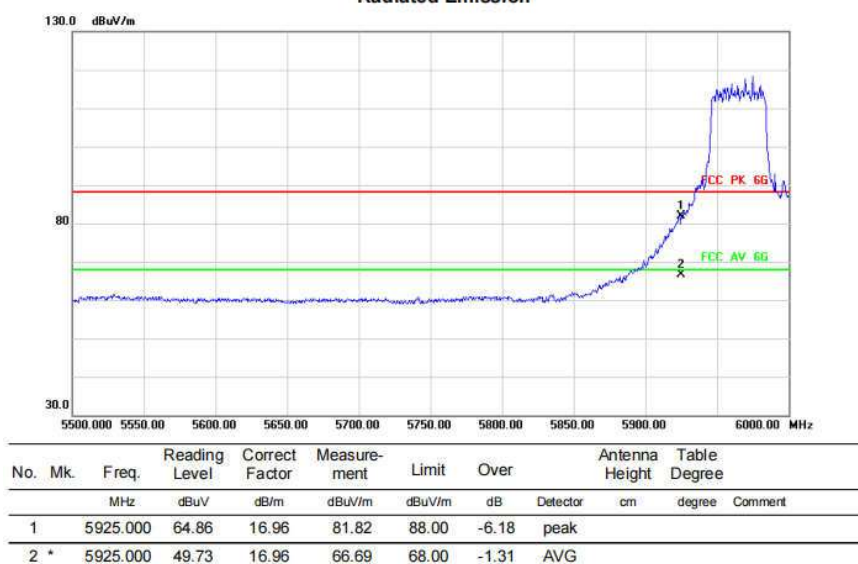


HORIZONTALA

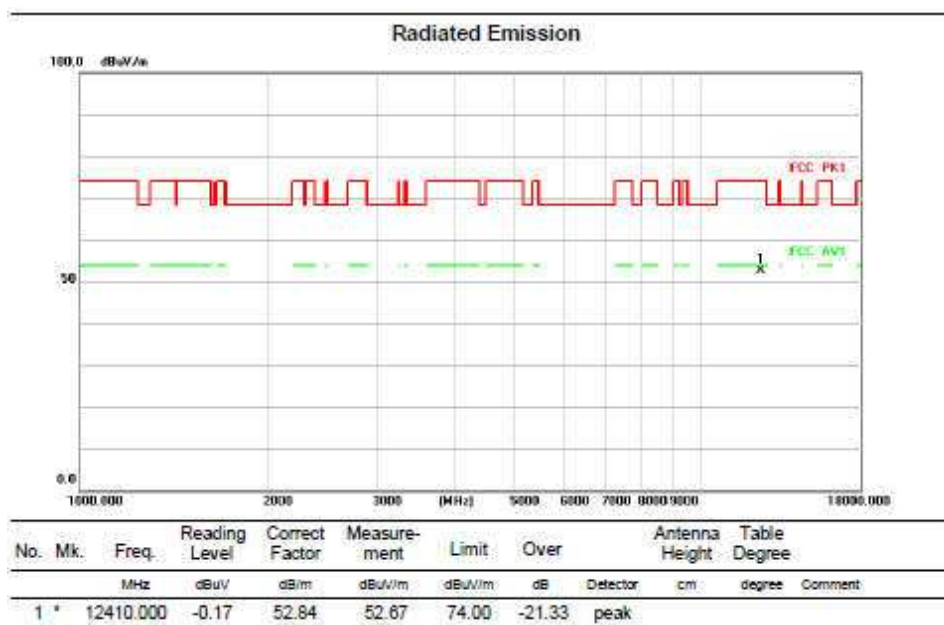
Radiated Emission



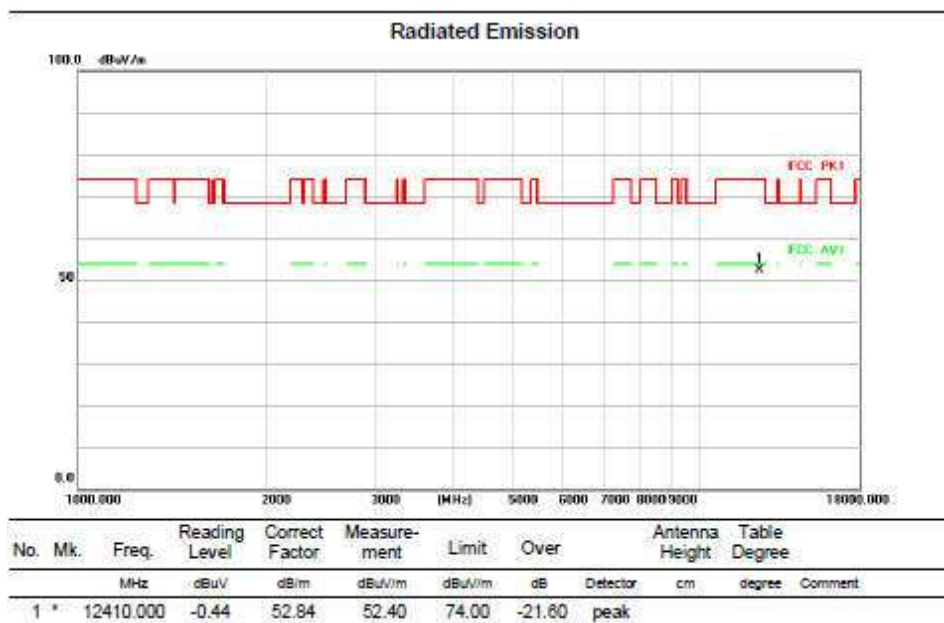
Radiated Emission



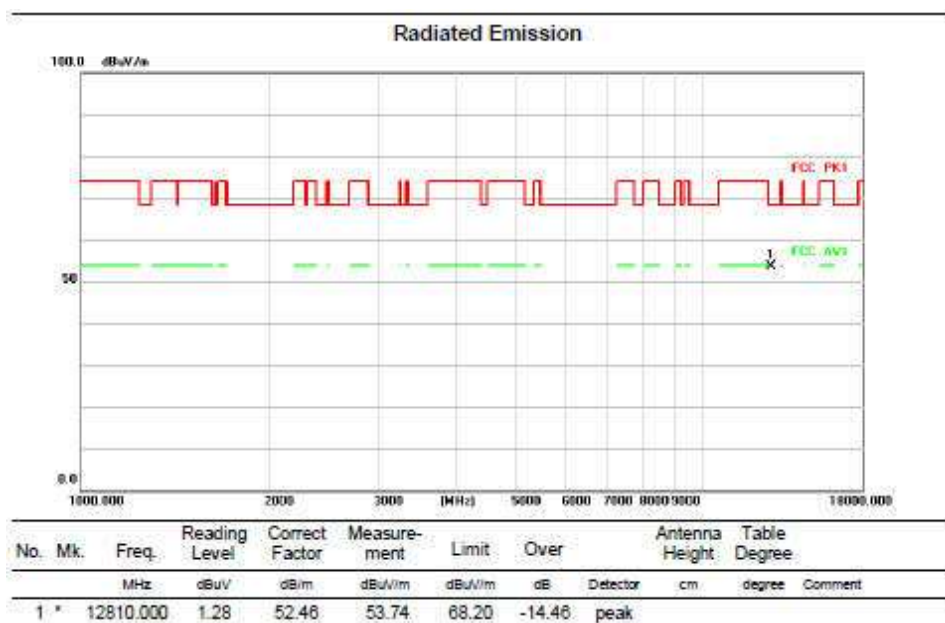
VERTICAL



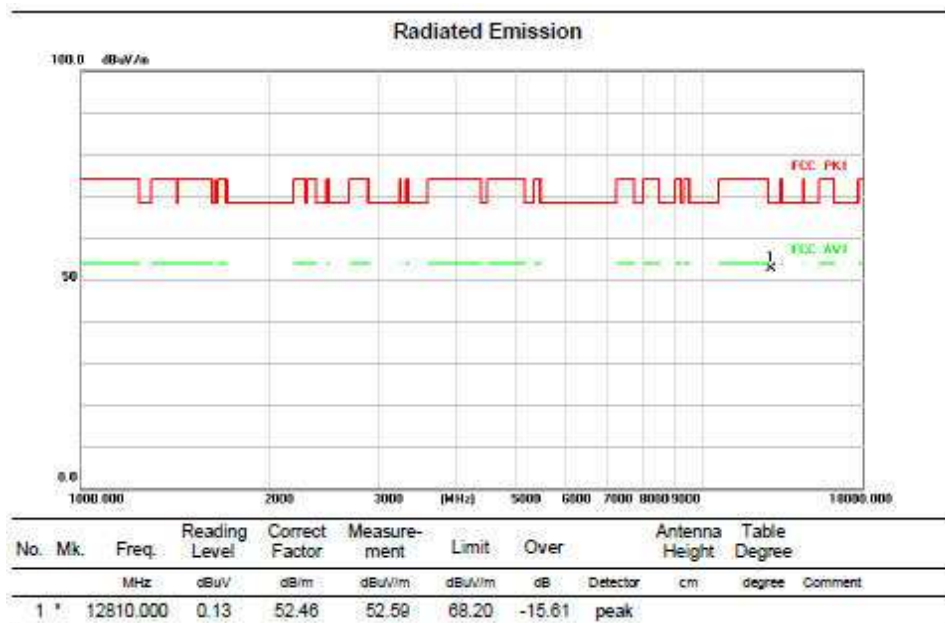
HORIZONTAL



VERTICAL



HORIZONTAL

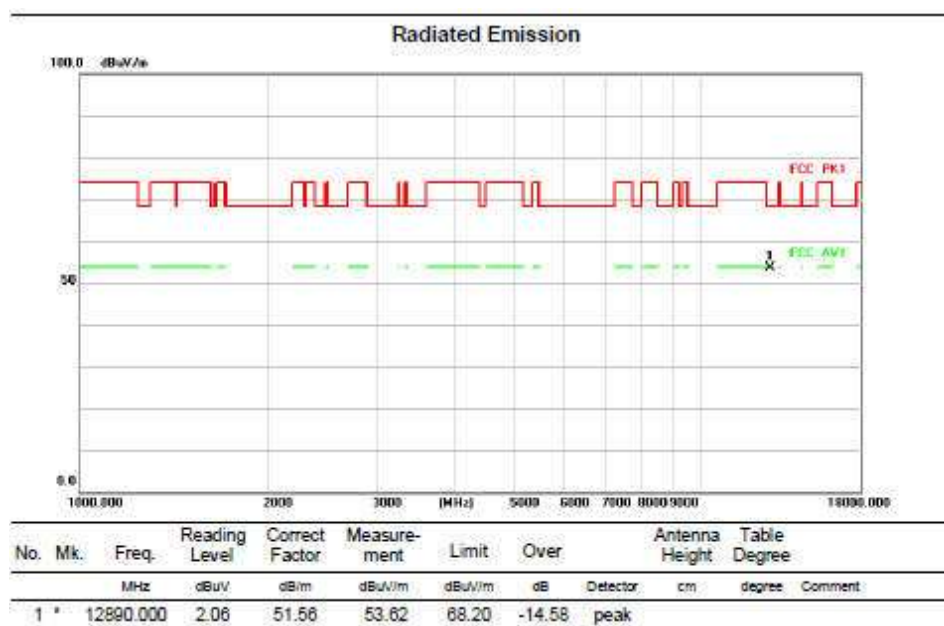


Above 1G (1GHz~18GHz)

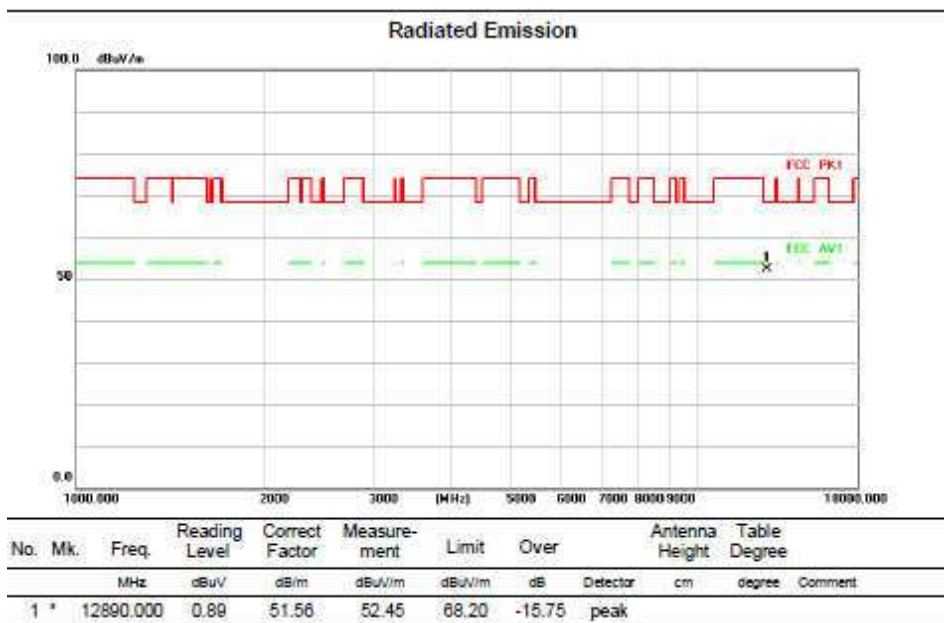
Test mode:11BE40MIMO

Test Channel:99

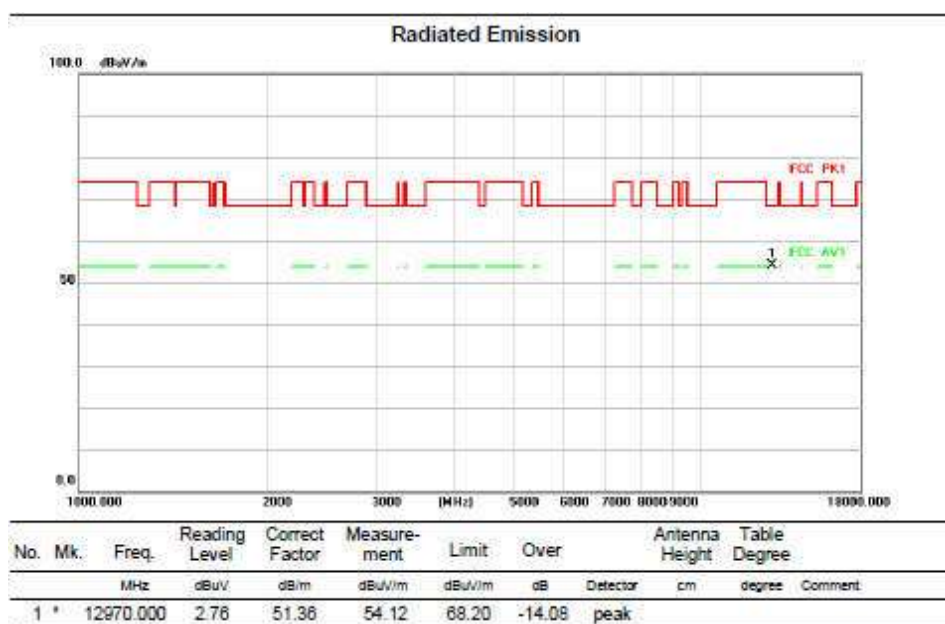
VERTICAL



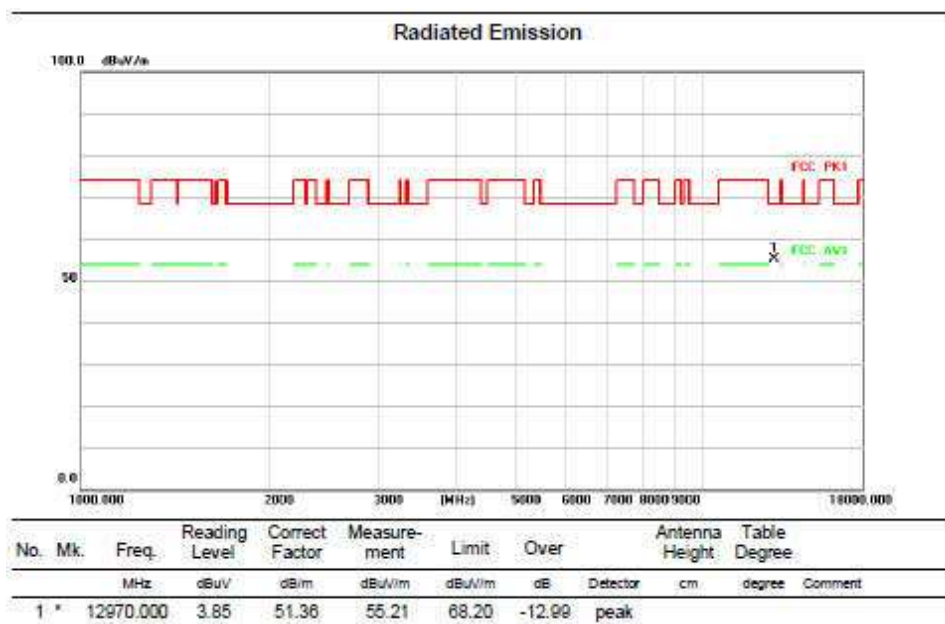
HORIZONTAL



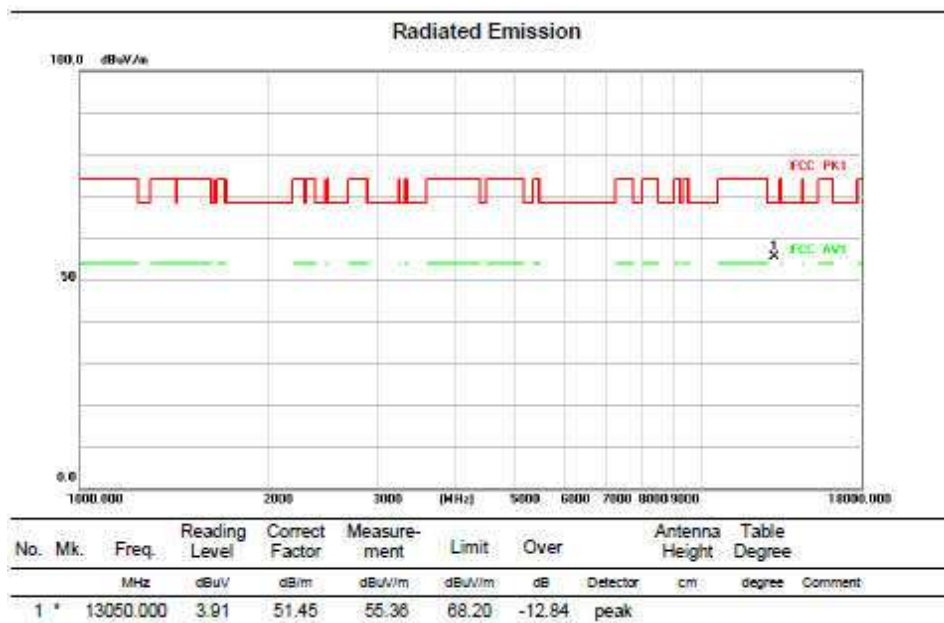
VERTICAL



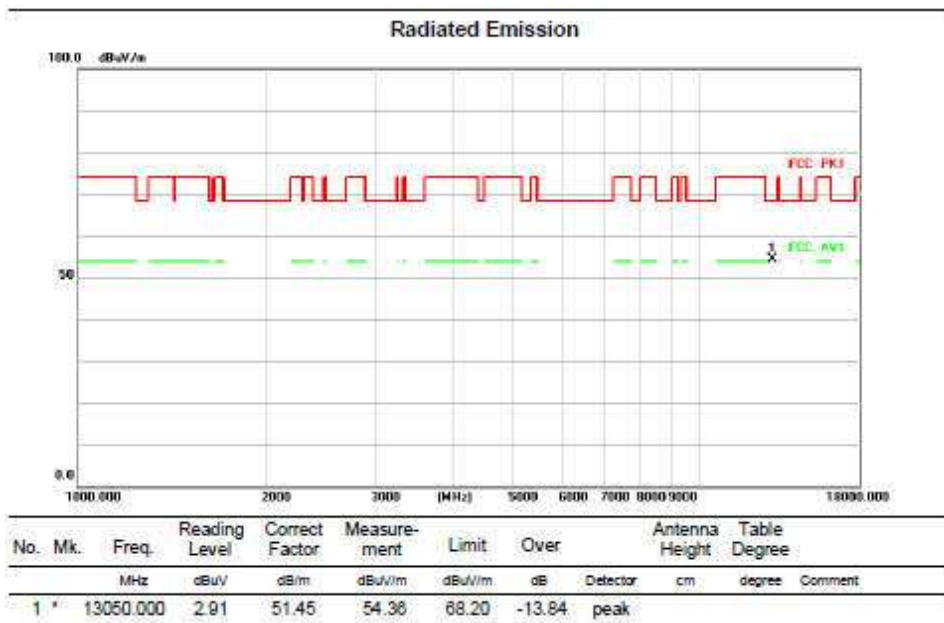
HORIZONTAL



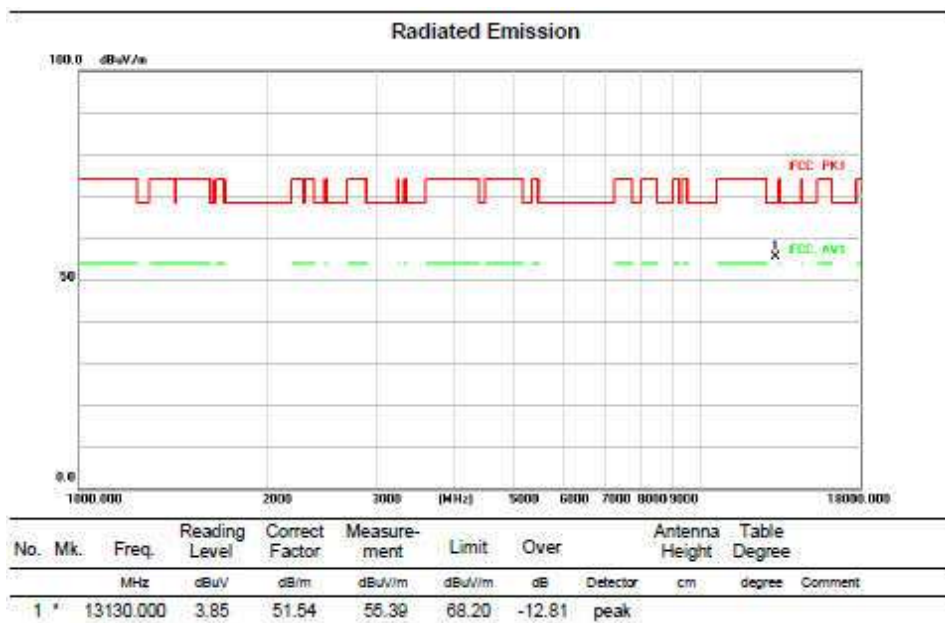
VERTICAL



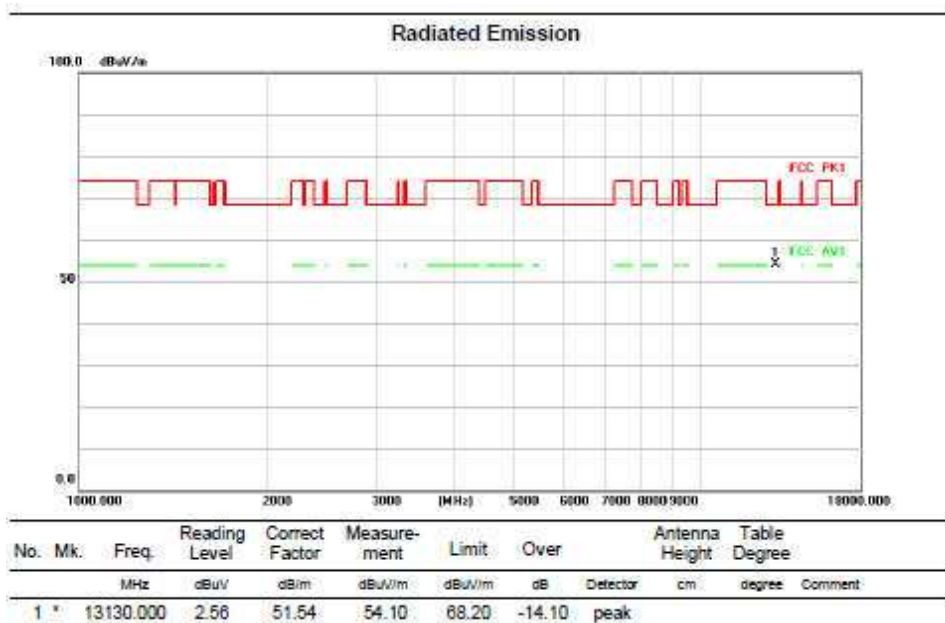
HORIZONTAL



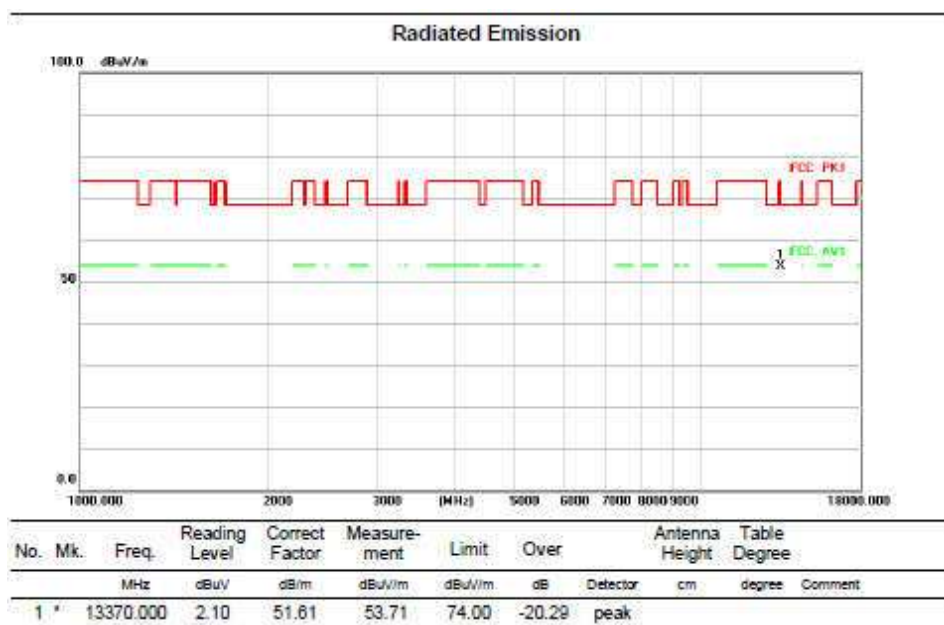
VERTICAL



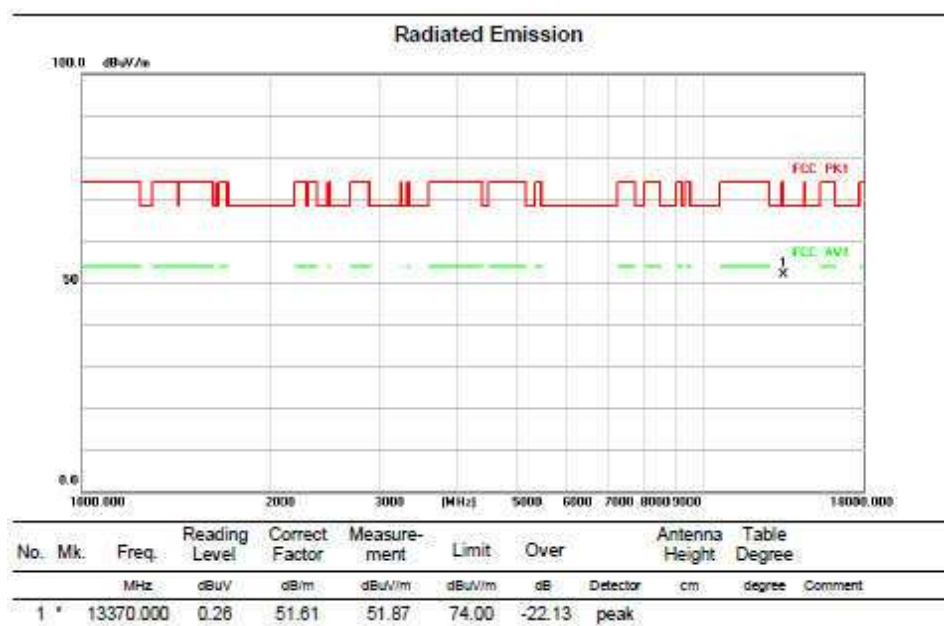
HORIZONTAL



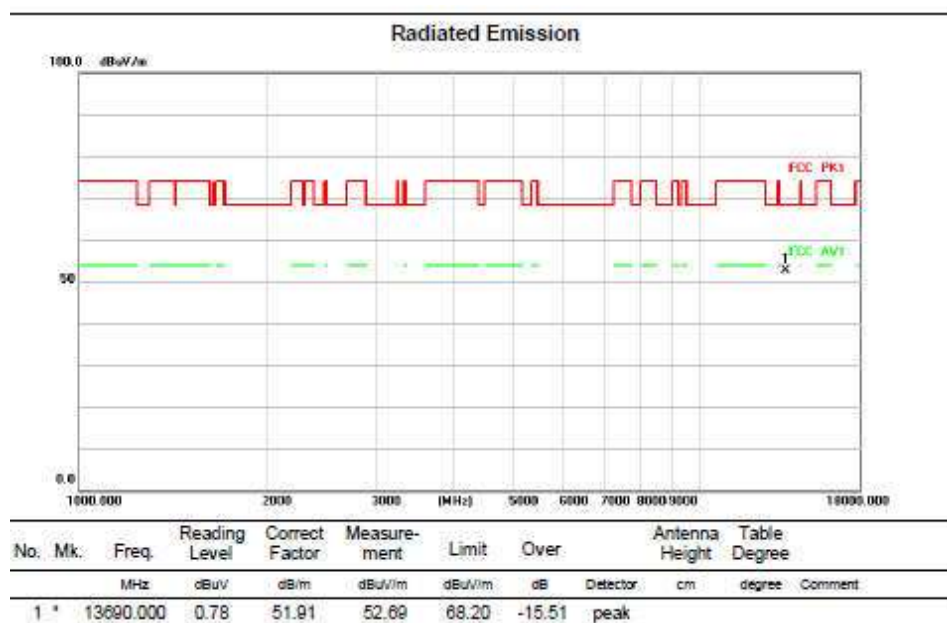
VERTICAL



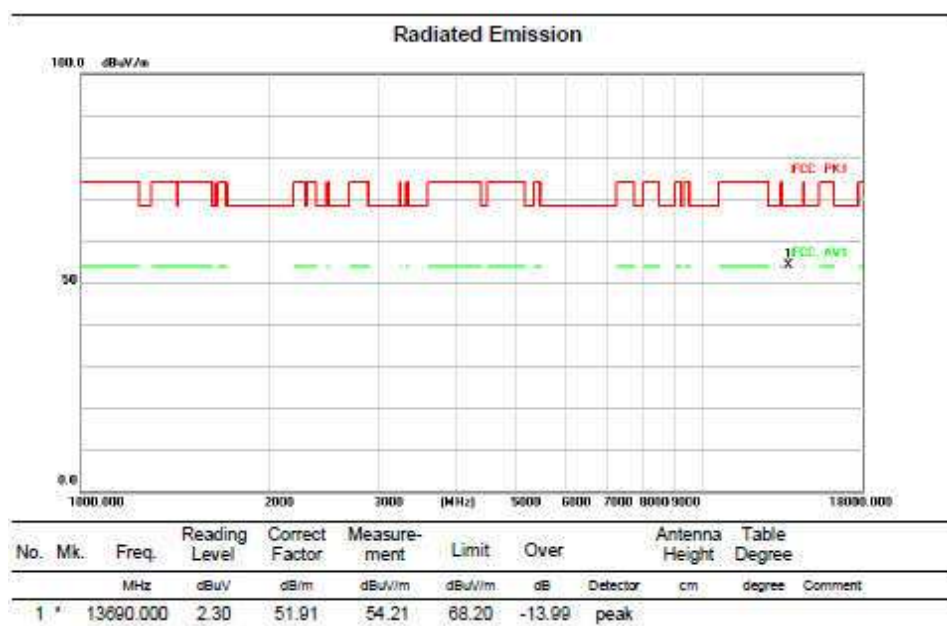
HORIZONTAL



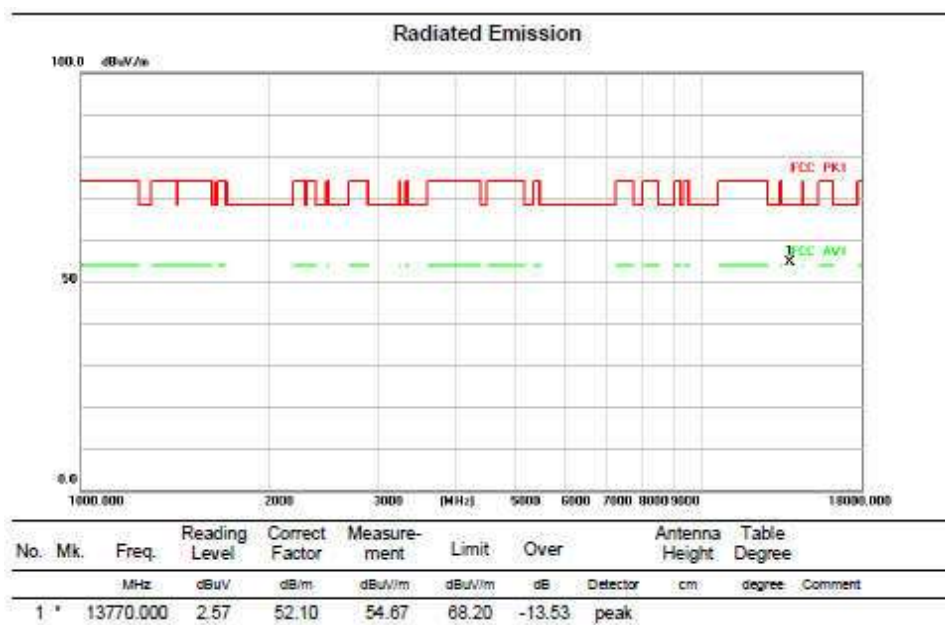
VERTICAL



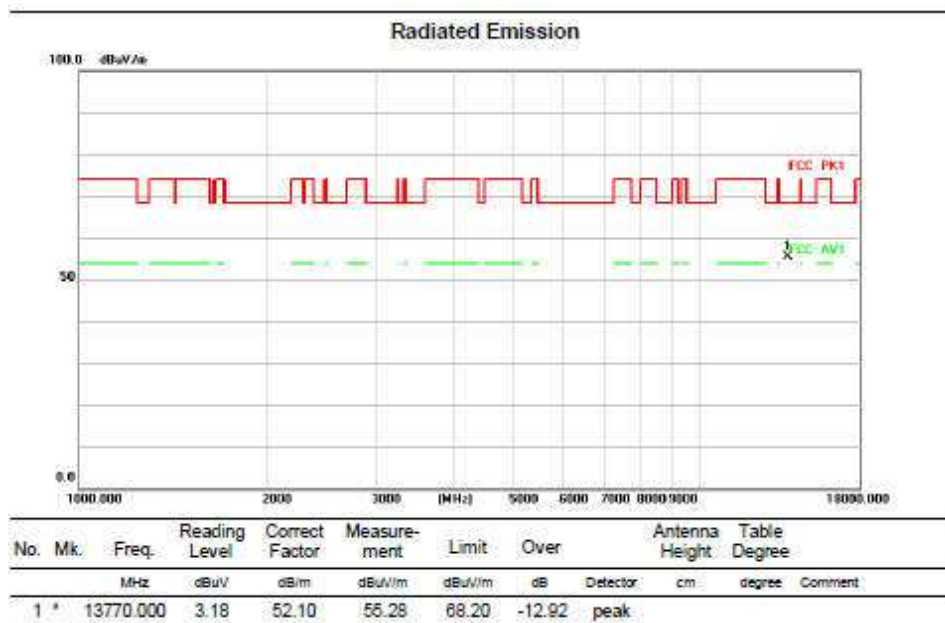
HORIZONTAL



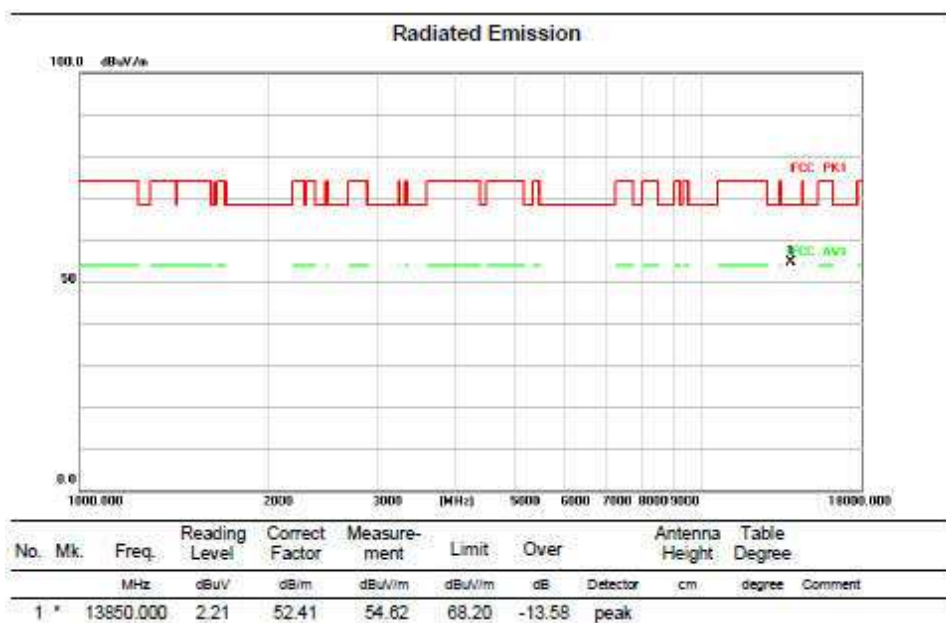
VERTICAL



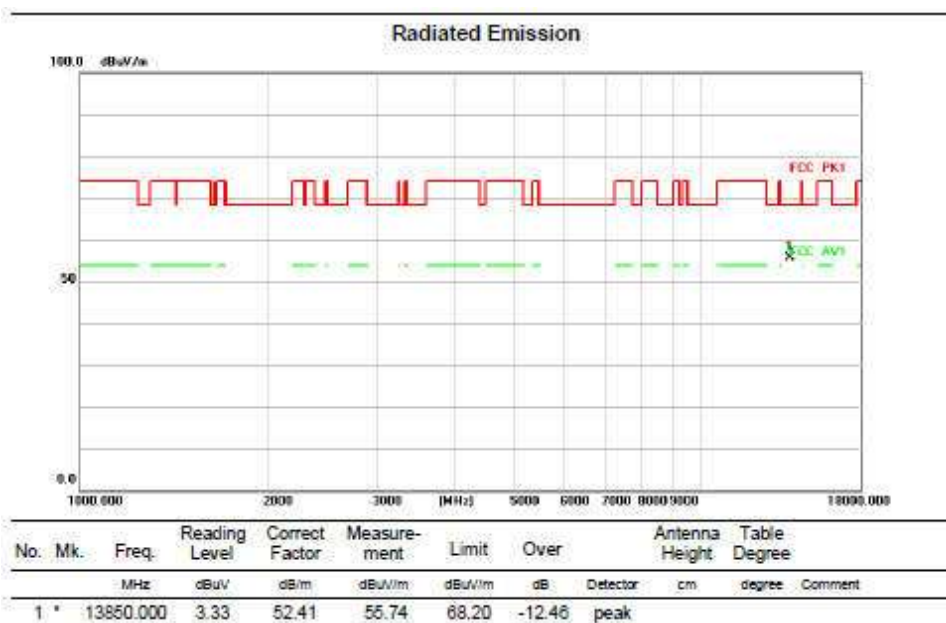
HORIZONTAL



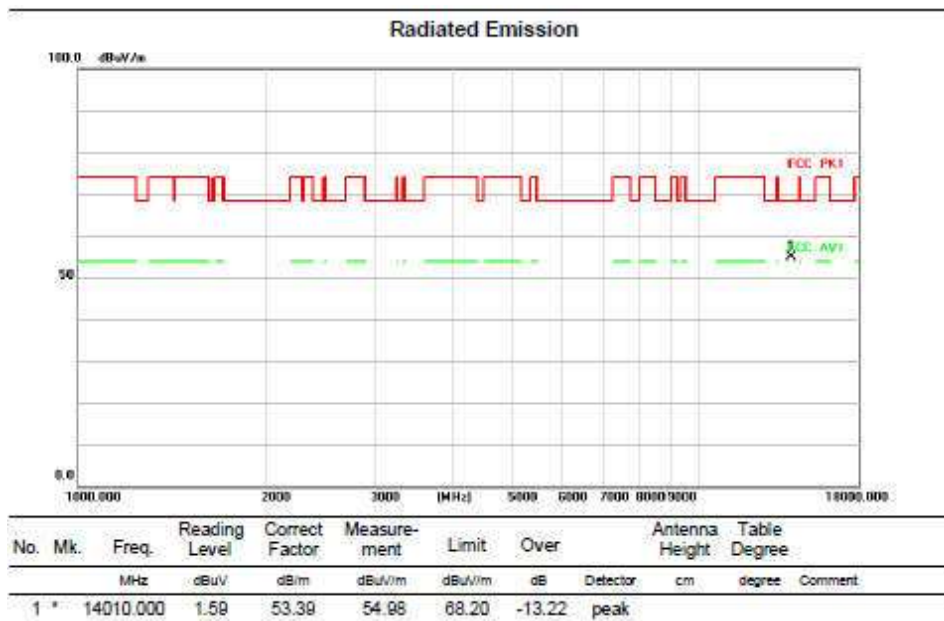
VERTICAL



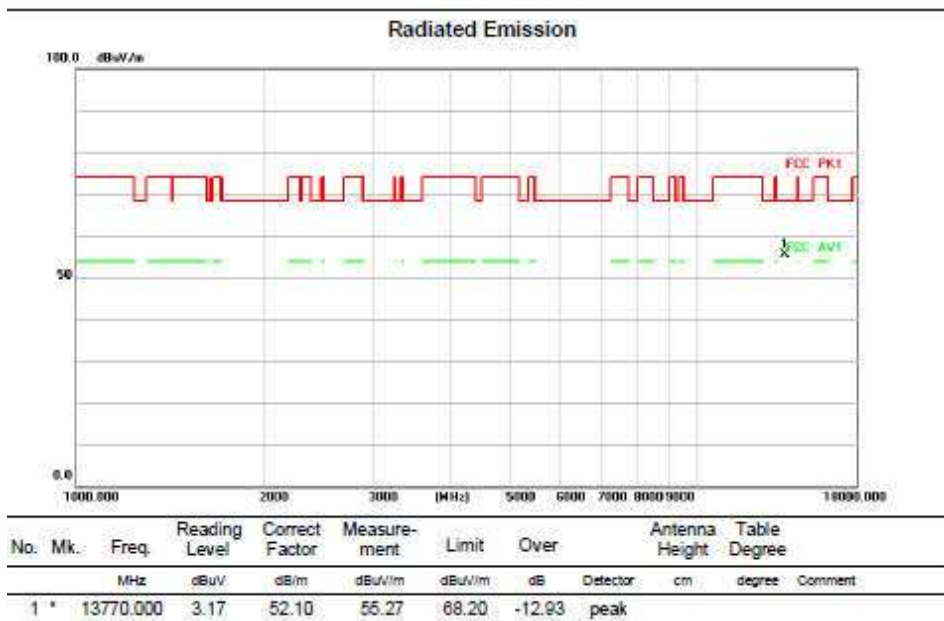
HORIZONTAL



VERTICAL



HORIZONTAL



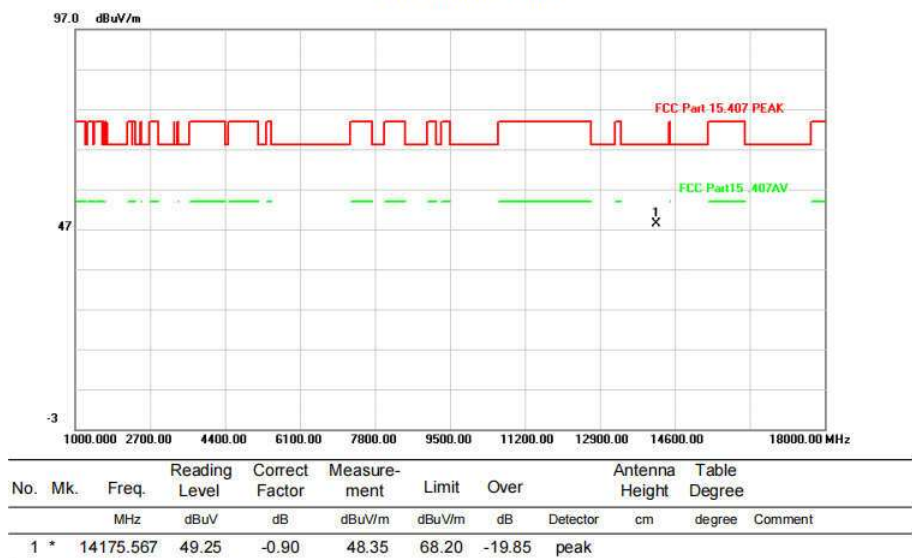
Above 1G (1GHz~18GHz)

Test mode:11BE40MIMO

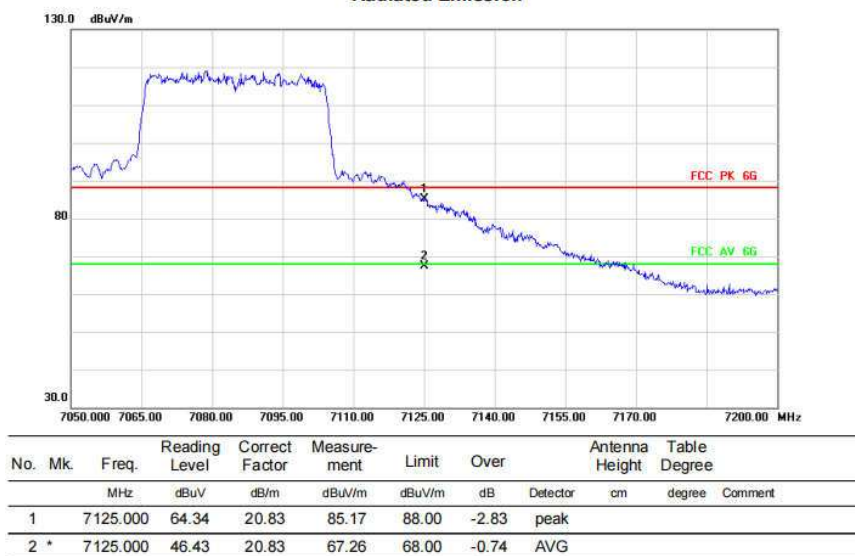
Test Channel:227

VERTICAL

Radiated Emission

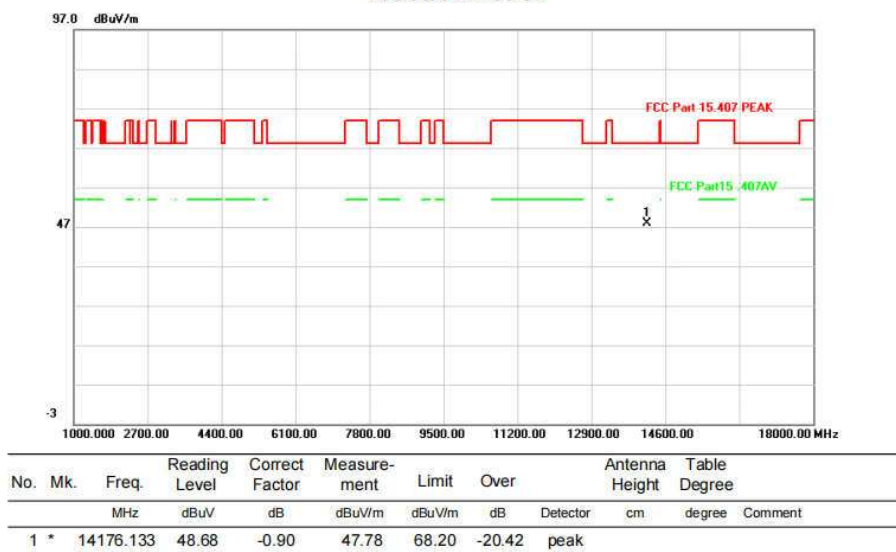


Radiated Emission

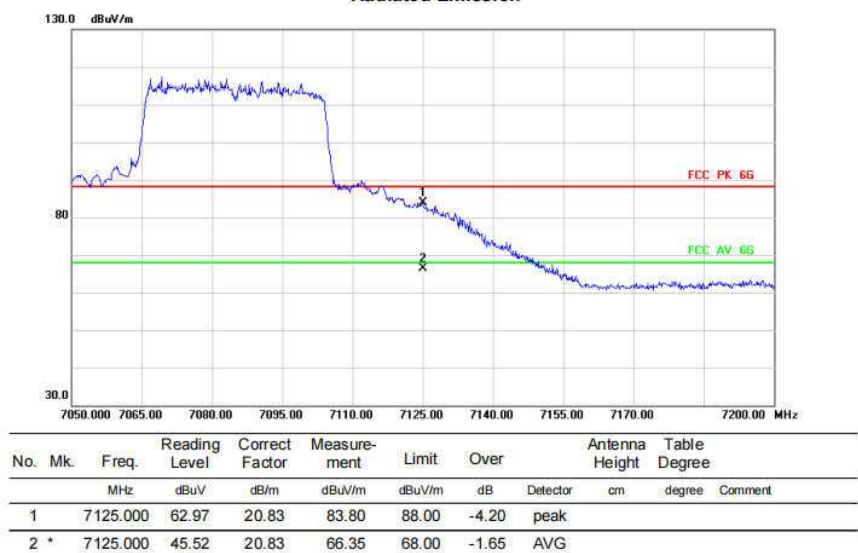


HORIZONTALA

Radiated Emission



Radiated Emission

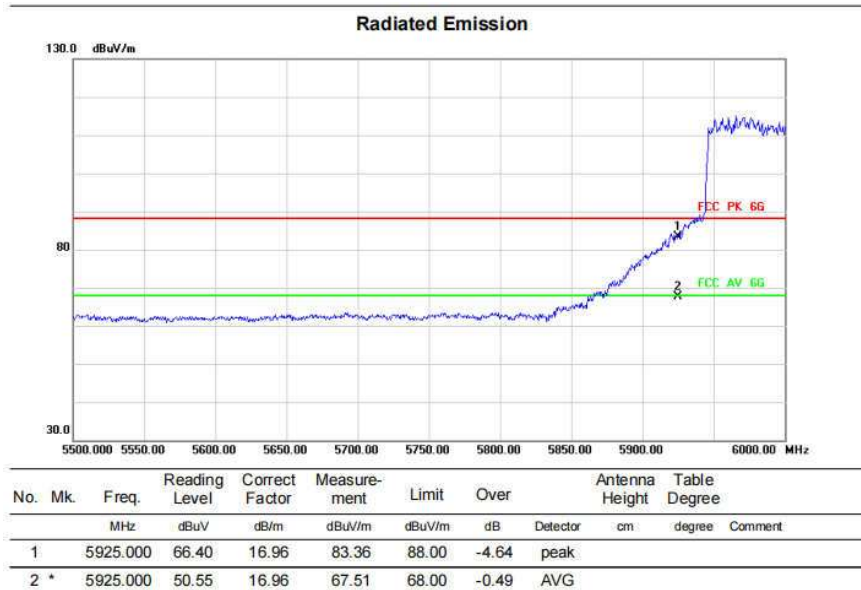
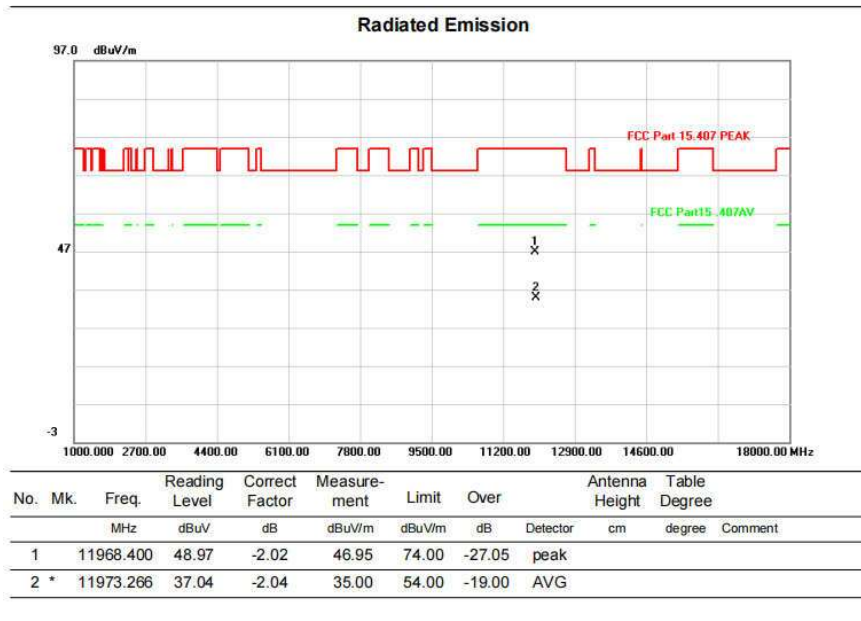


Above 1G (1GHz~18GHz)

Test mode:11BE80MIMO

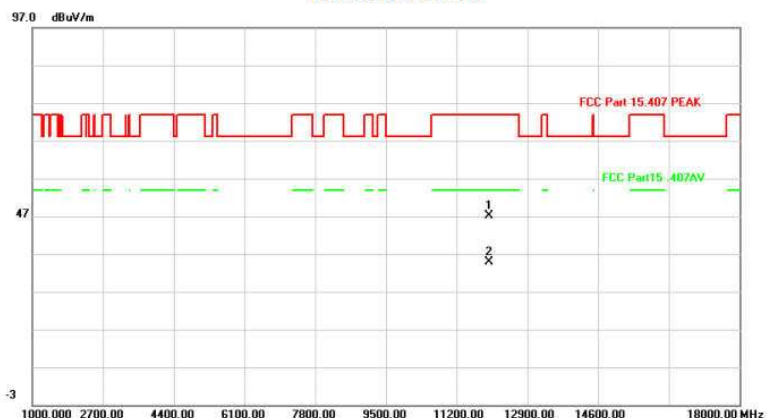
Test Channel:7

VERTICAL



HORIZONTALA

Radiated Emission



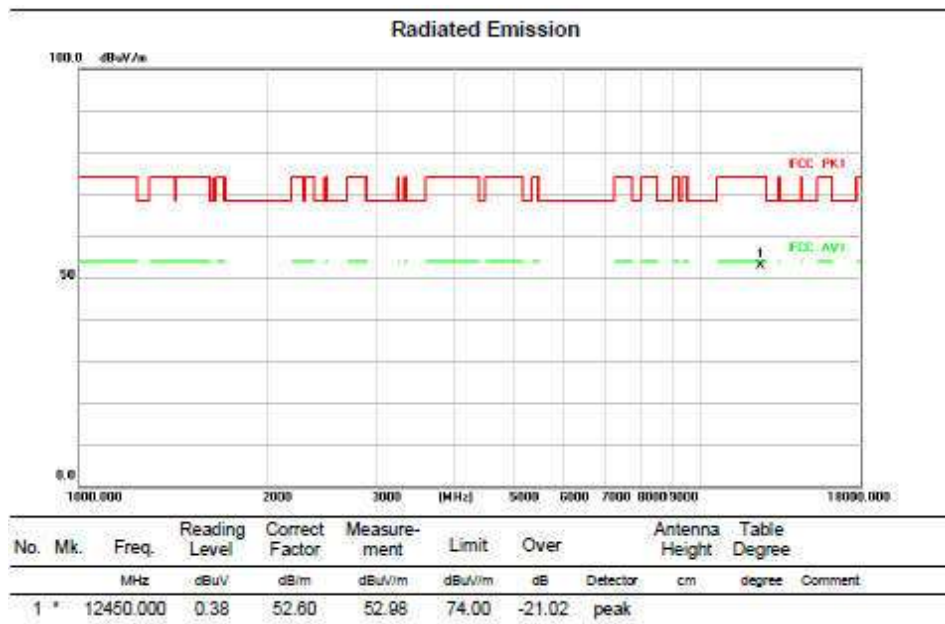
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11970.867	49.13	-2.03	47.10	74.00	-26.90	peak		
2 *		11979.427	37.03	-2.06	34.97	54.00	-19.03	AVG		

Radiated Emission

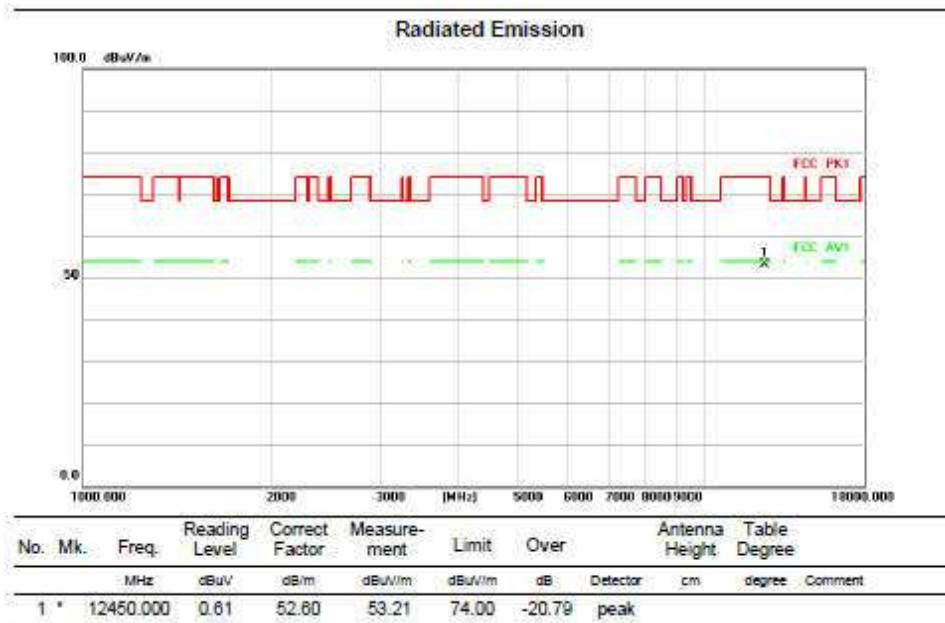


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5925.000	65.01	16.96	81.97	88.00	-6.03	peak		
2 *		5925.000	49.93	16.96	66.89	68.00	-1.11	AVG		

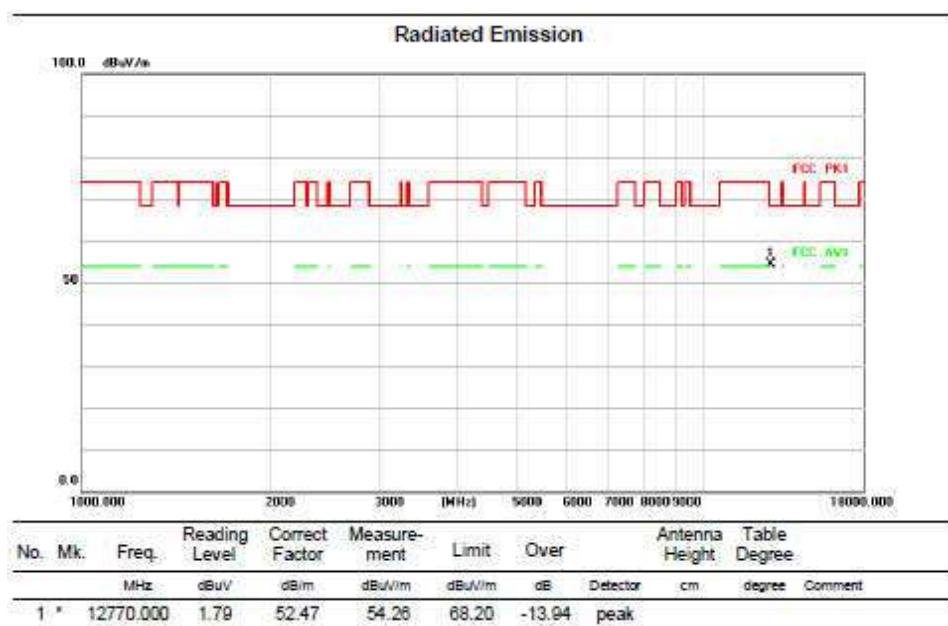
VERTICAL



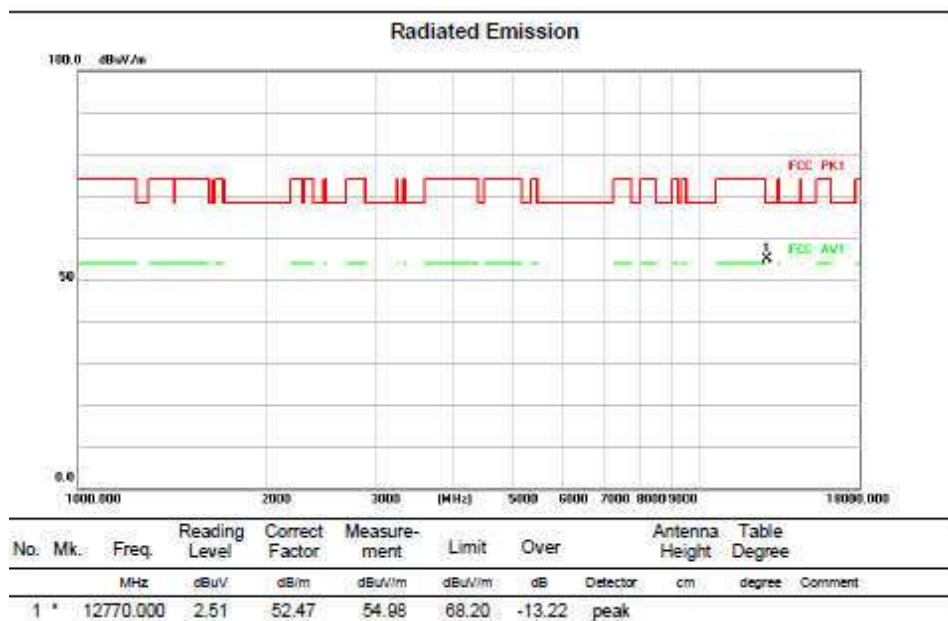
HORIZONTAL



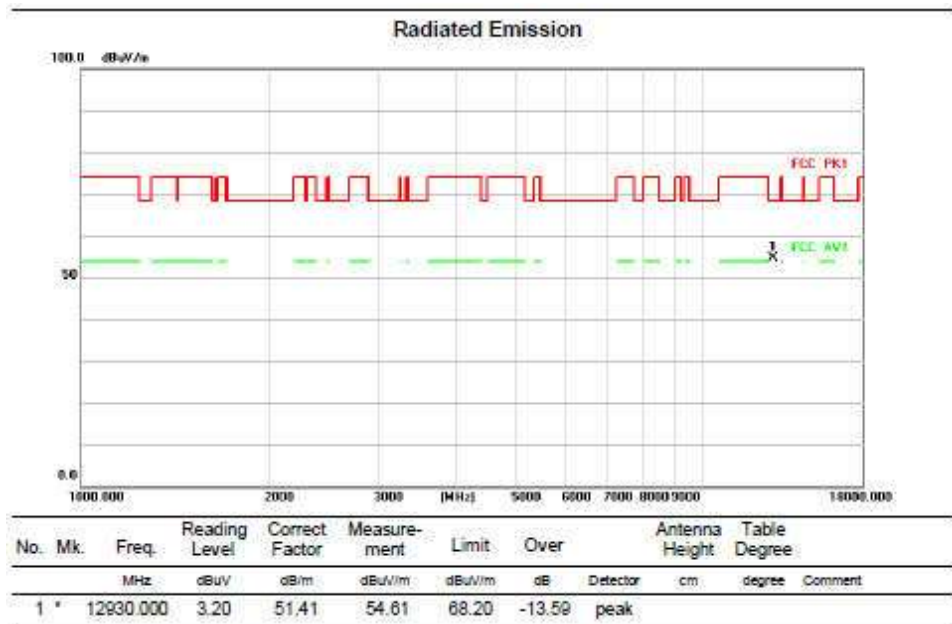
VERTICAL



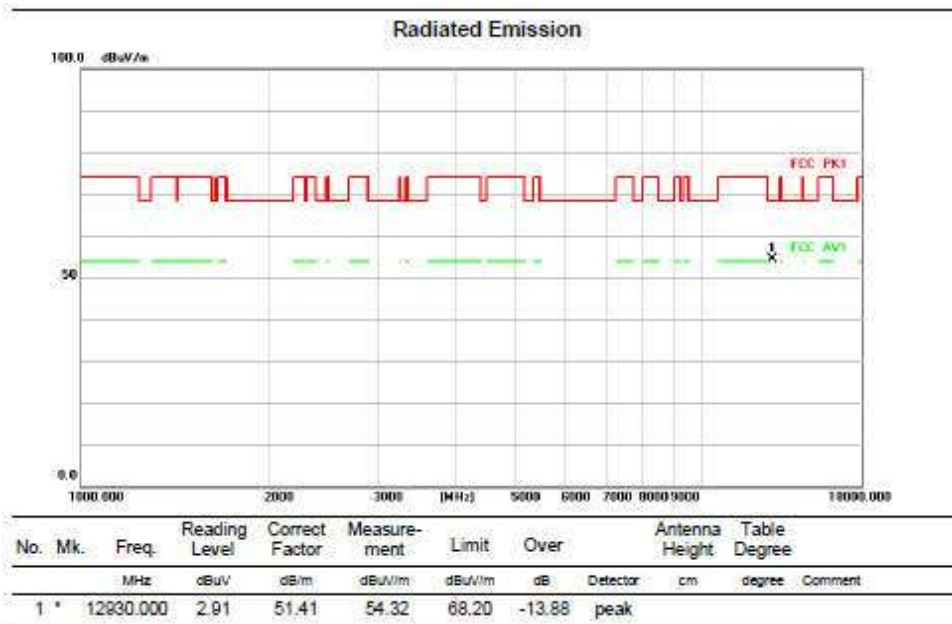
HORIZONTAL



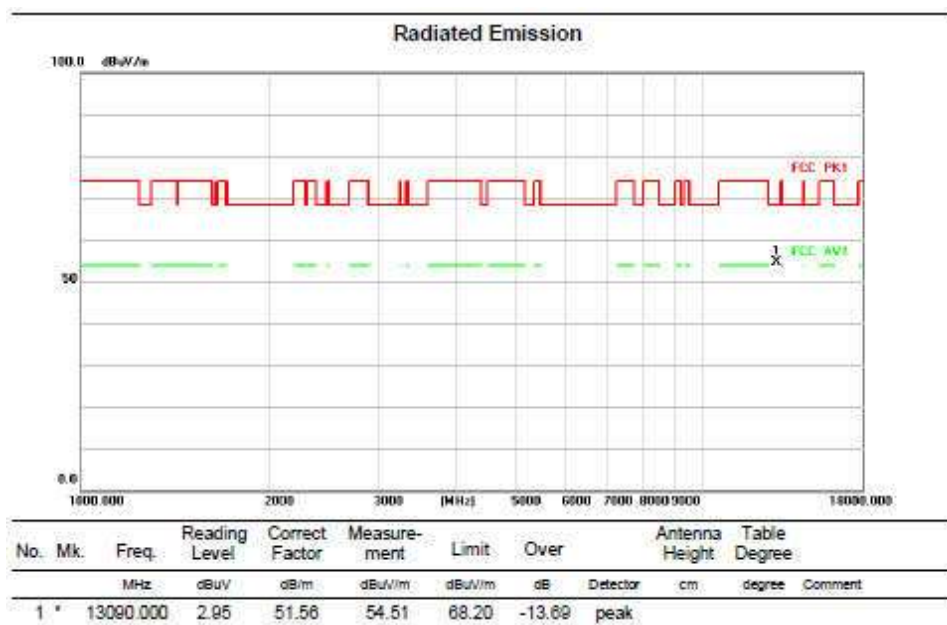
VERTICAL



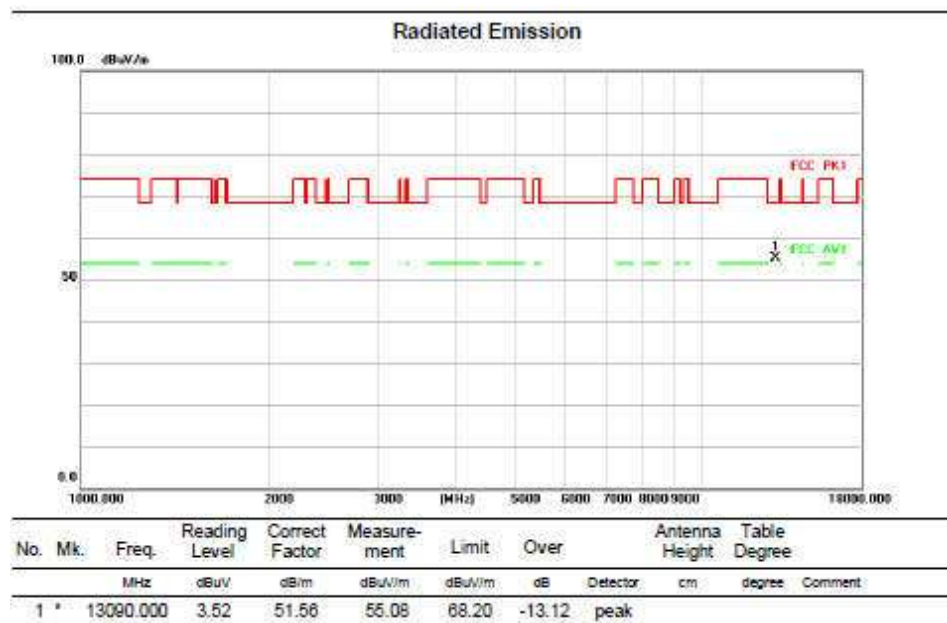
HORIZONTAL



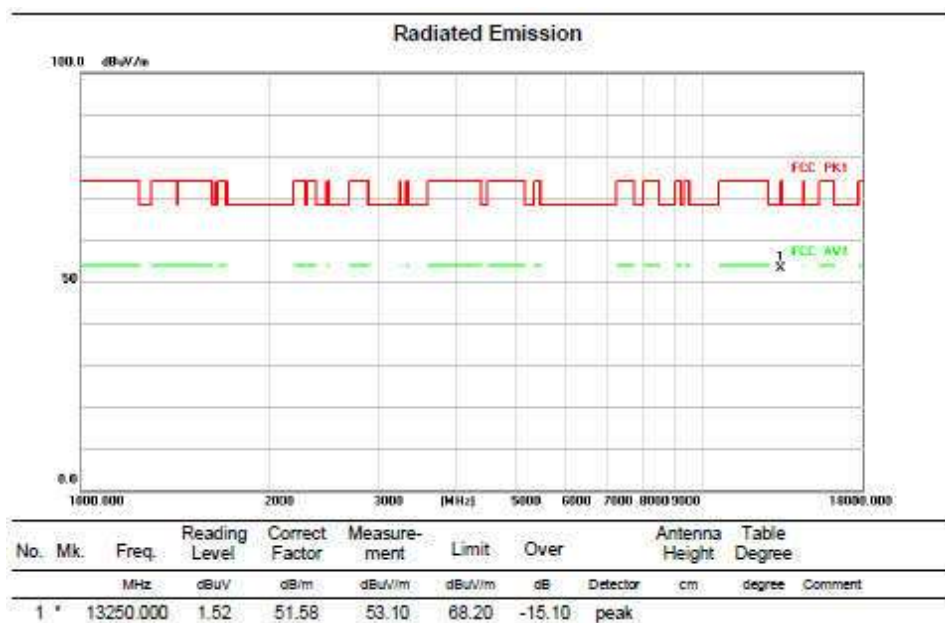
VERTICAL



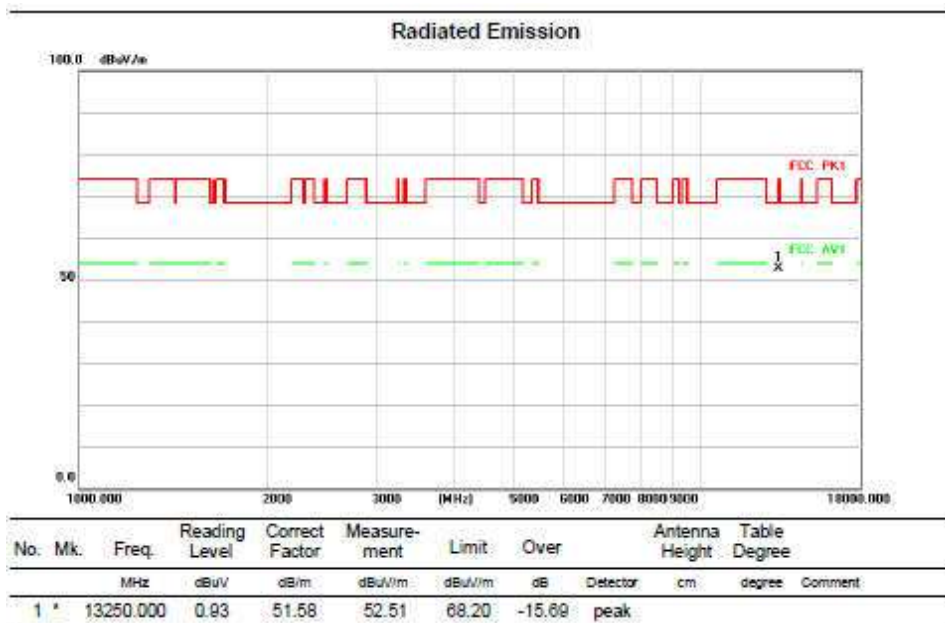
HORIZONTAL



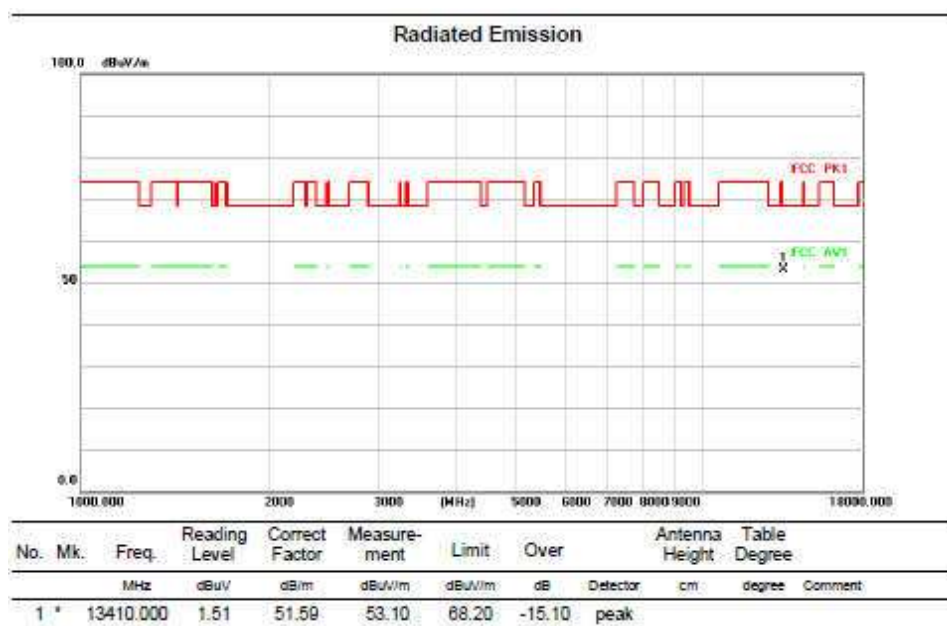
VERTICAL



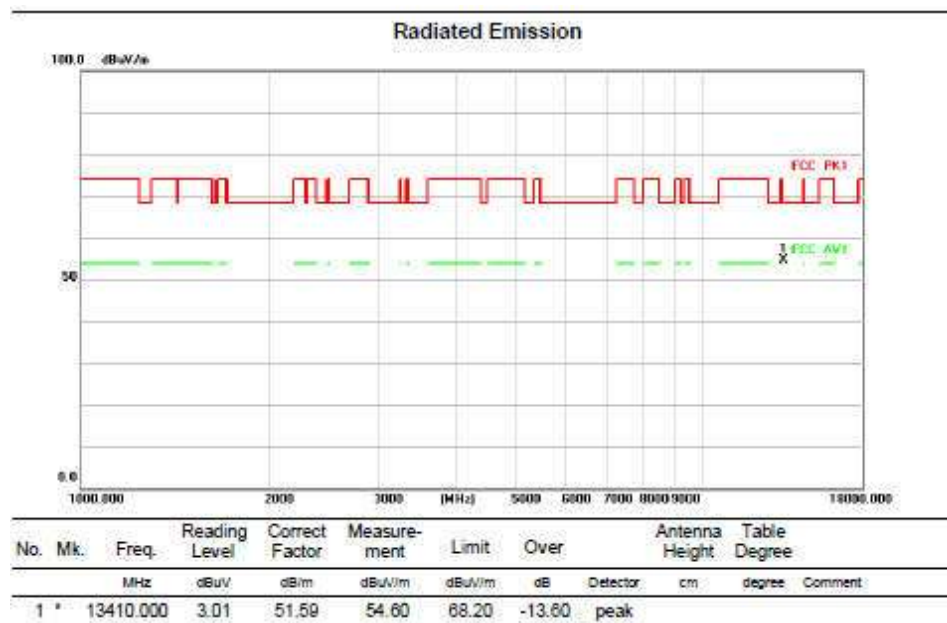
HORIZONTAL



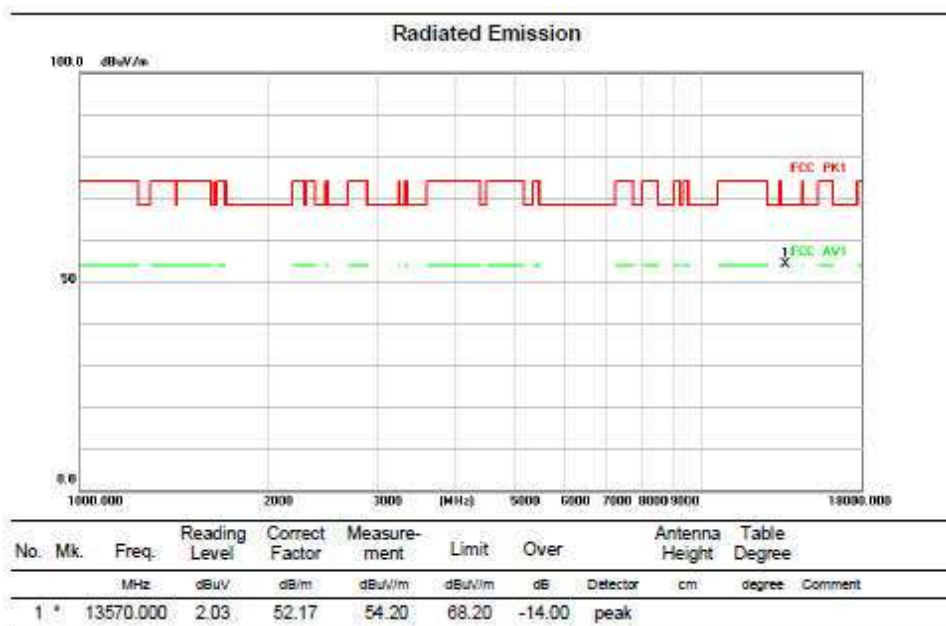
VERTICAL



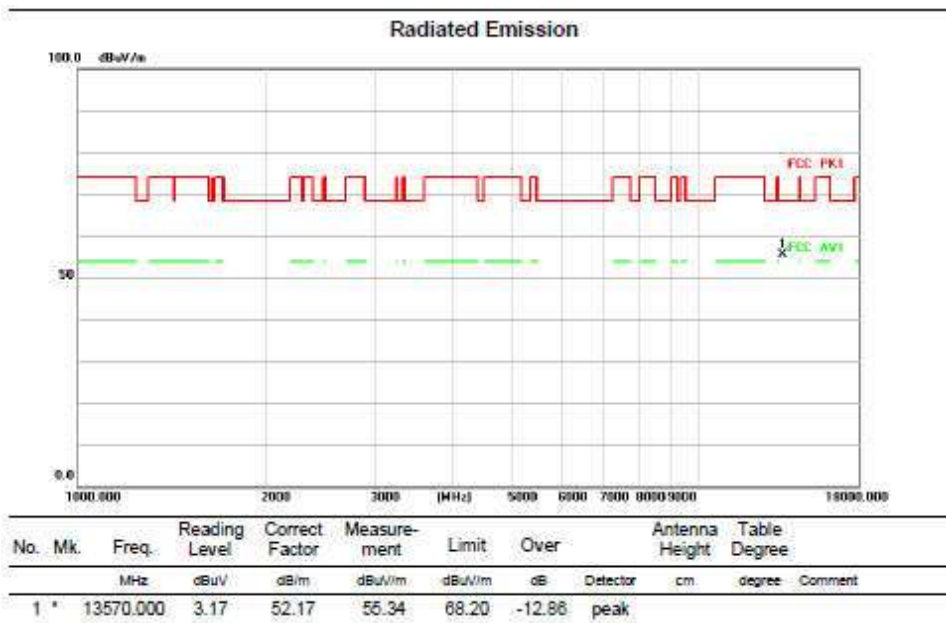
HORIZONTAL



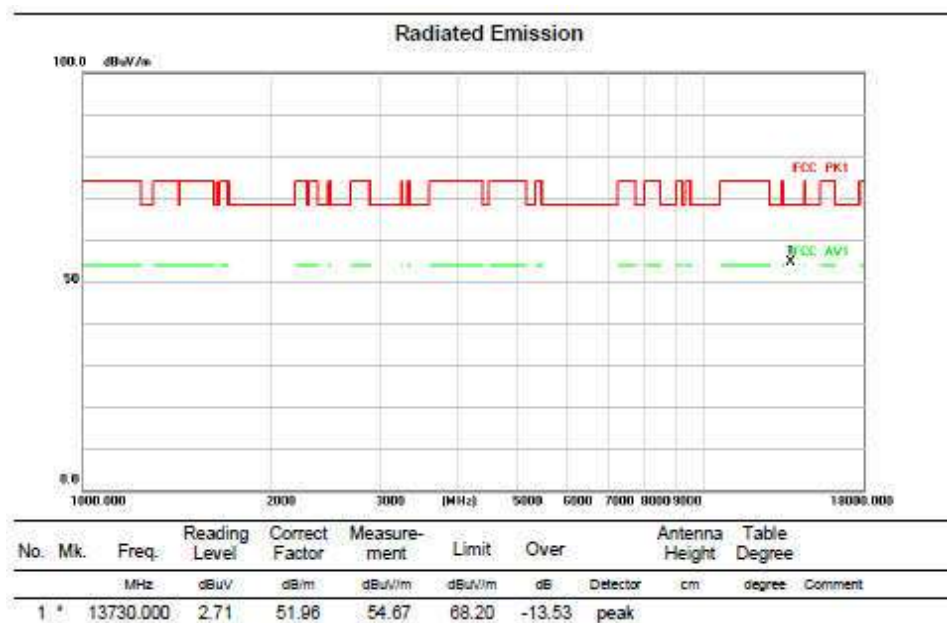
VERTICAL



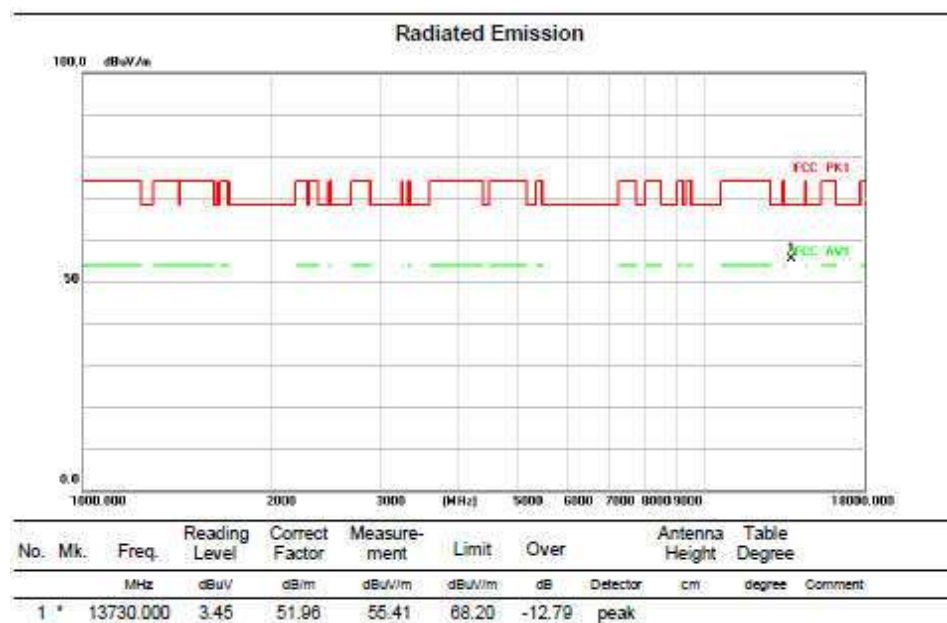
HORIZONTAL



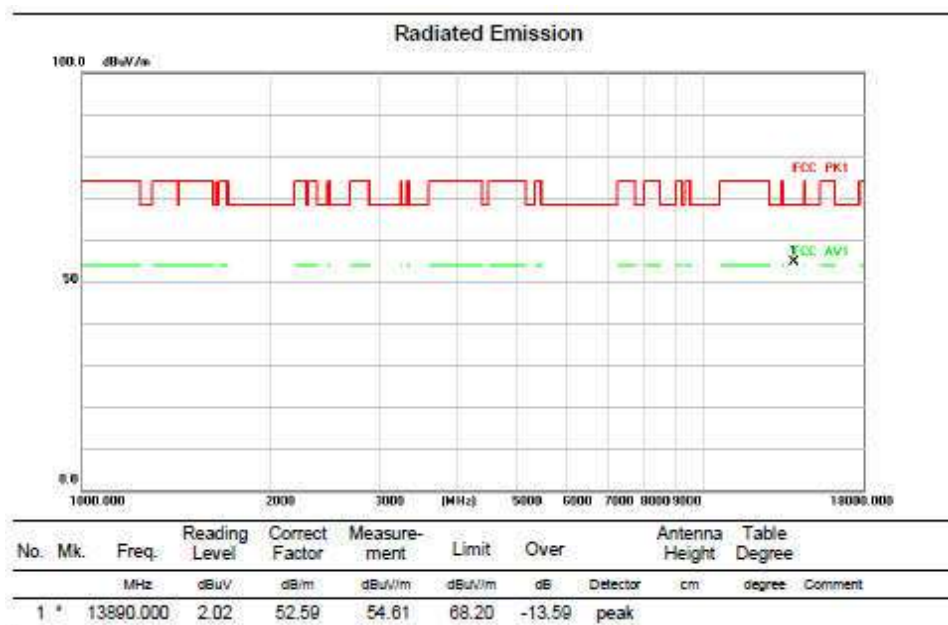
VERTICAL



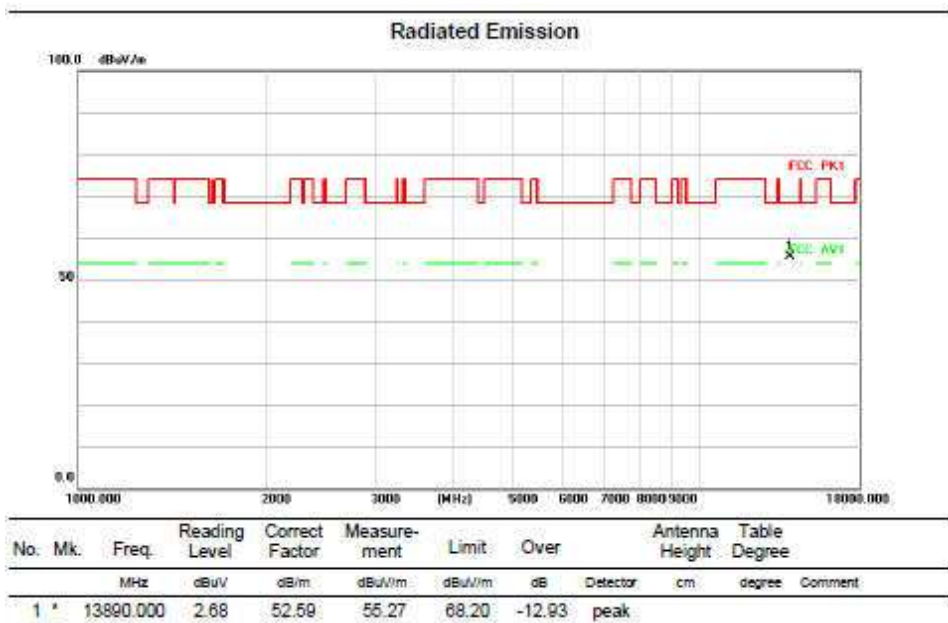
HORIZONTAL



VERTICAL



HORIZONTAL



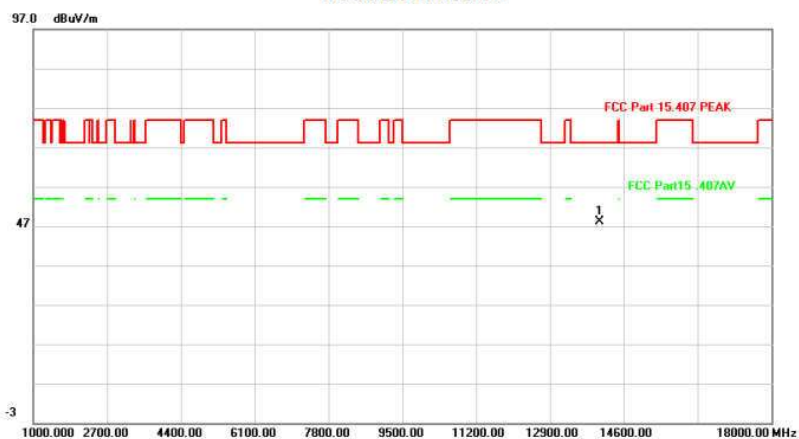
Above 1G (1GHz~18GHz)

Test mode:11BE80MIMO

Test Channel:215

VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1	*	14046.367	49.06	-0.91	48.15	68.20	-20.05	peak	

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1		7125.000	61.37	20.83	82.20	88.00	-5.80	peak	
2	*	7125.000	46.48	20.83	67.31	68.00	-0.69	AVG	

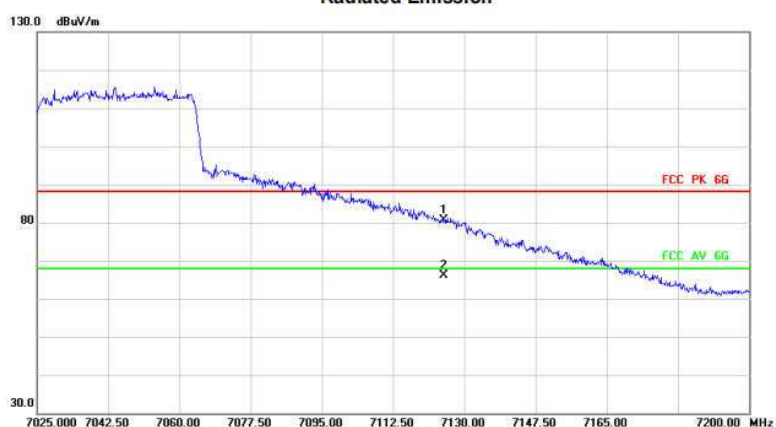
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1	*	1404.967	50.76	-0.91	49.85	68.20	-18.35	peak	

Radiated Emission



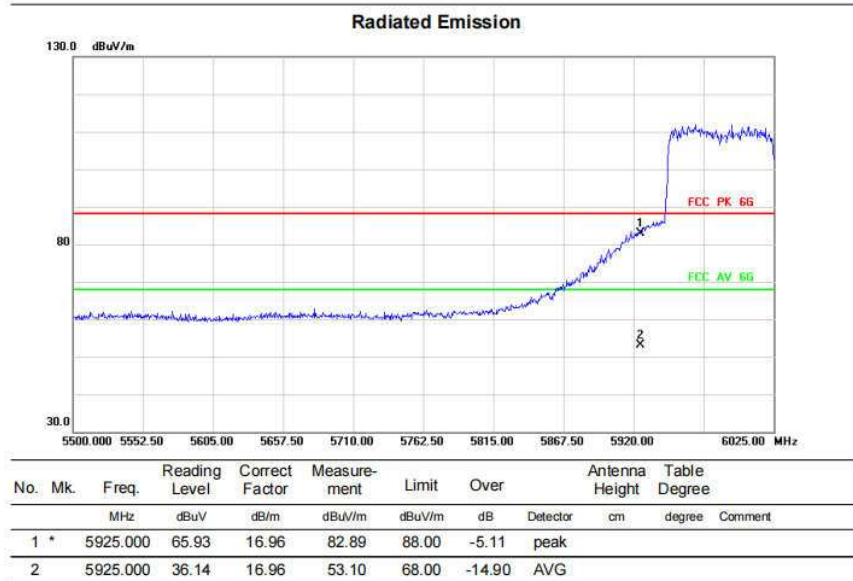
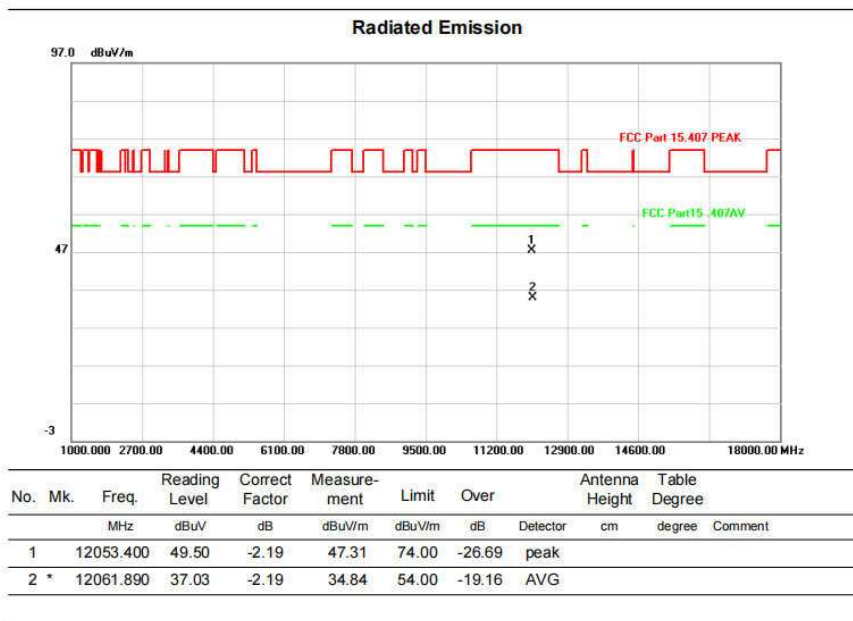
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1		7125.000	59.72	20.83	80.55	88.00	-7.45	peak	
2	*	7125.000	45.30	20.83	66.13	68.00	-1.87	AVG	

Above 1G (1GHz~18GHz)

Test mode:11BE160MIMO

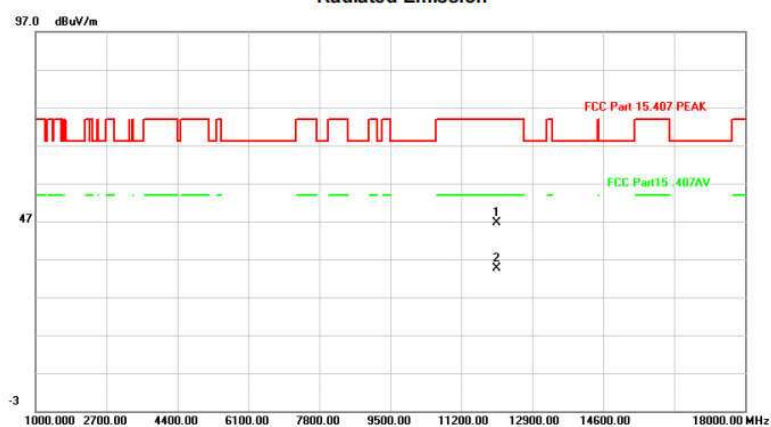
Test Channel:15

VERTICAL



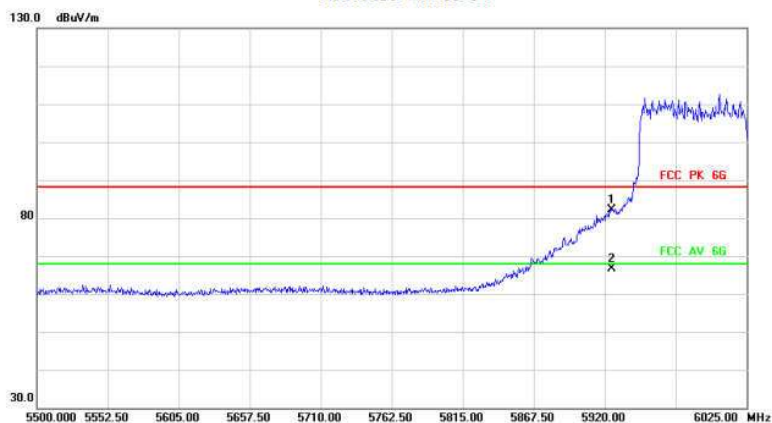
HORIZONTALA

Radiated Emission



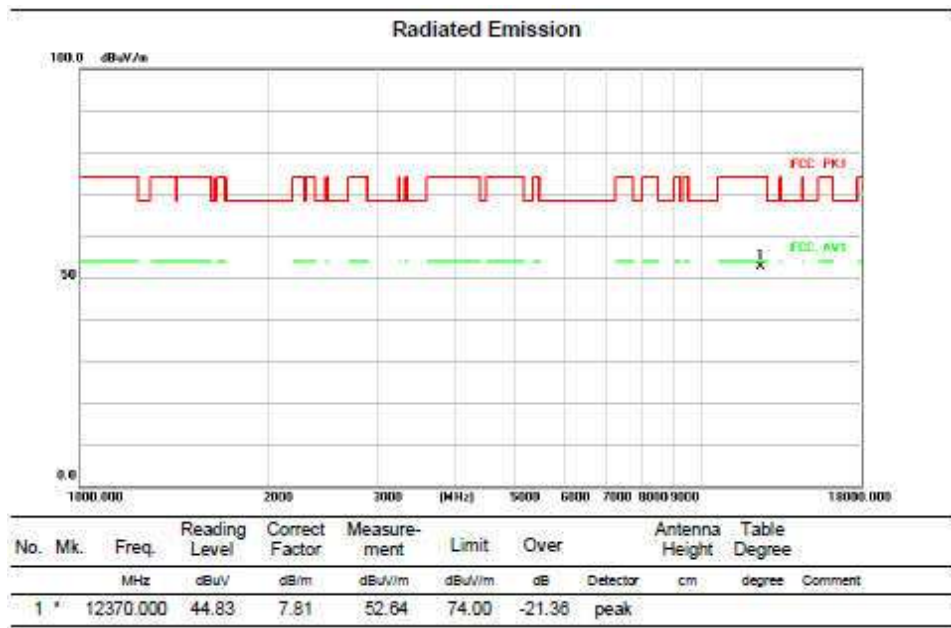
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	Comment
1		12047.167	48.83	-2.18	46.65	74.00	-27.35	peak		
2 *		12052.986	36.92	-2.19	34.73	54.00	-19.27	AVG		

Radiated Emission

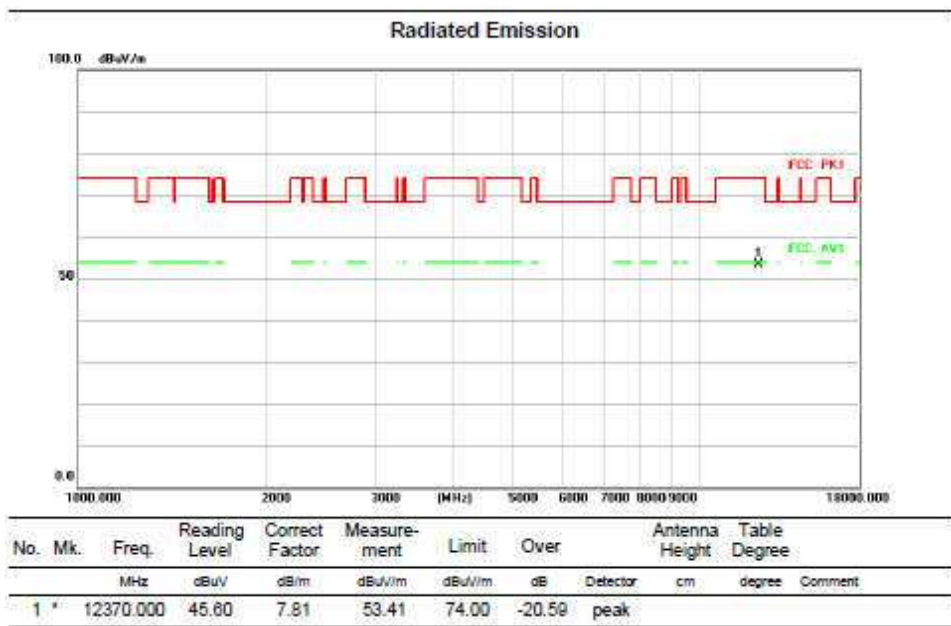


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	Comment
1		5925.000	65.06	16.96	82.02	88.00	-5.98	peak		
2 *		5925.000	49.74	16.96	66.70	68.00	-1.30	AVG		

VERTICAL



HORIZONTAL

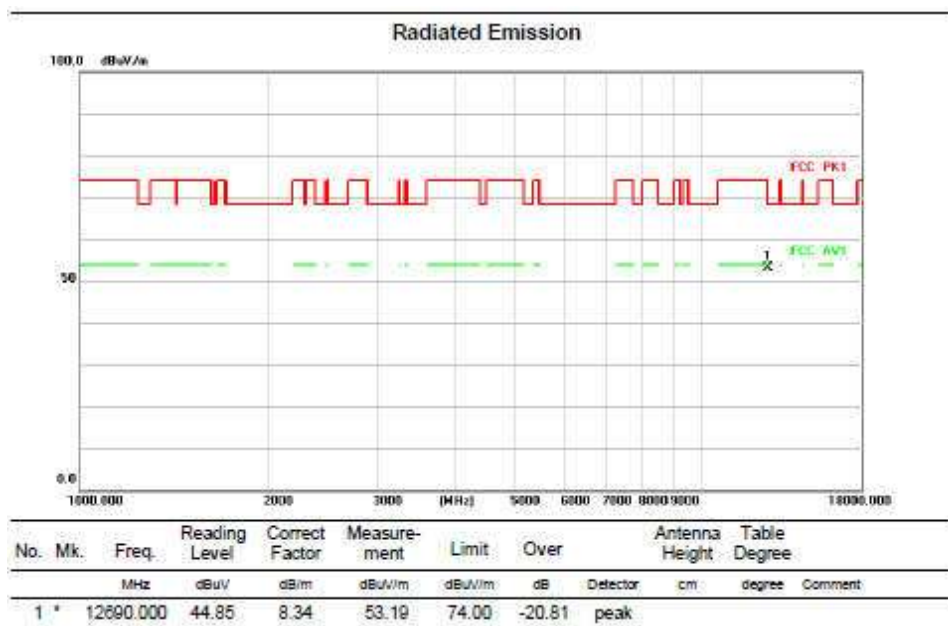


Above 1G (1GHz~18GHz)

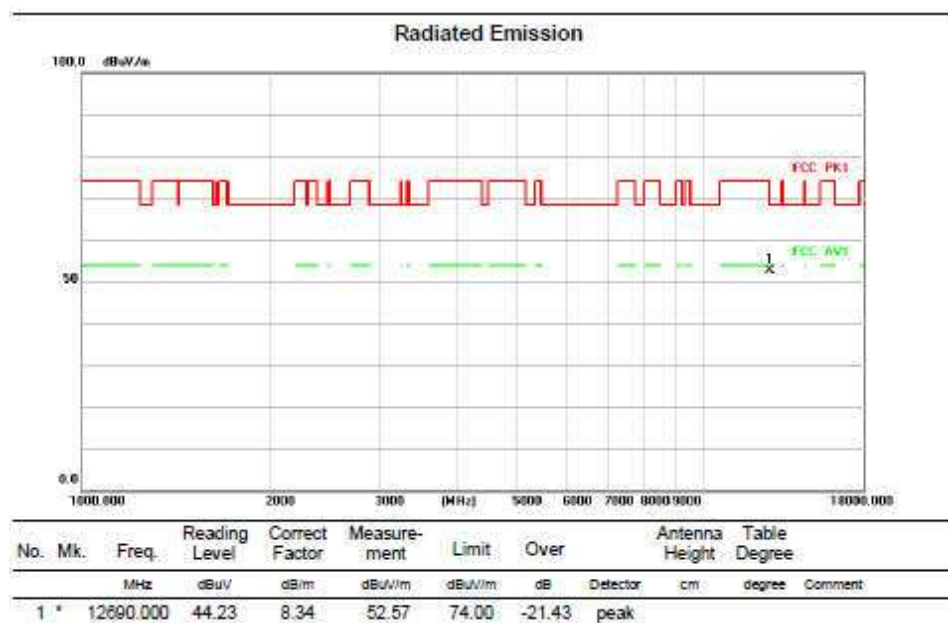
Test mode:11BE160MIMO

Test Channel:79

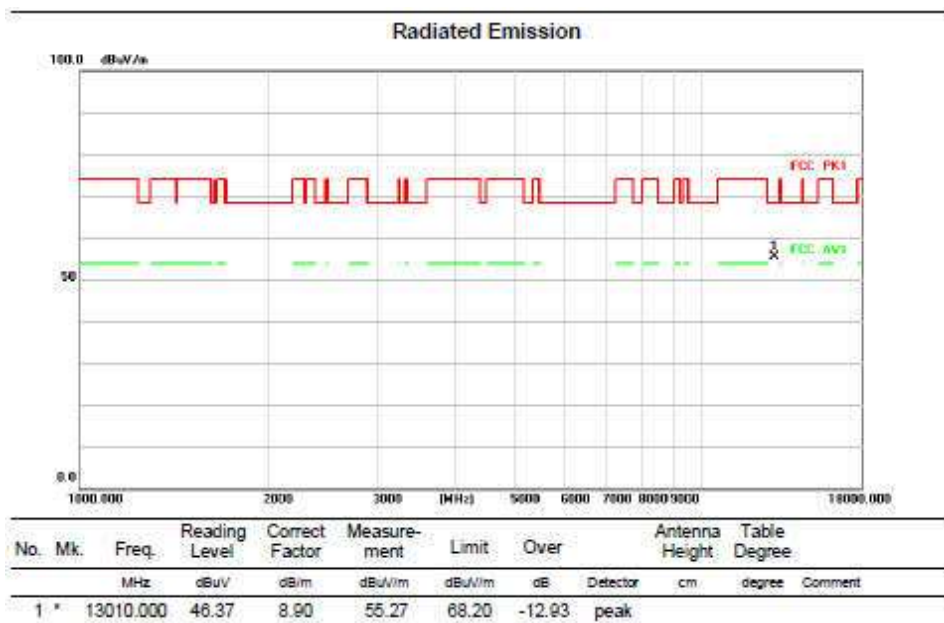
VERTICAL



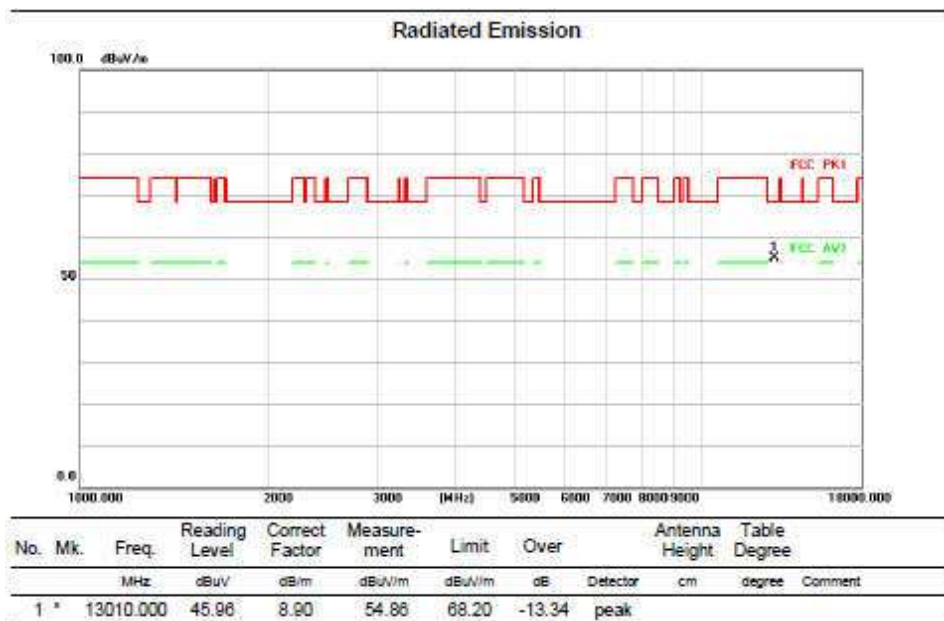
HORIZONTAL



VERTICAL



HORIZONTAL

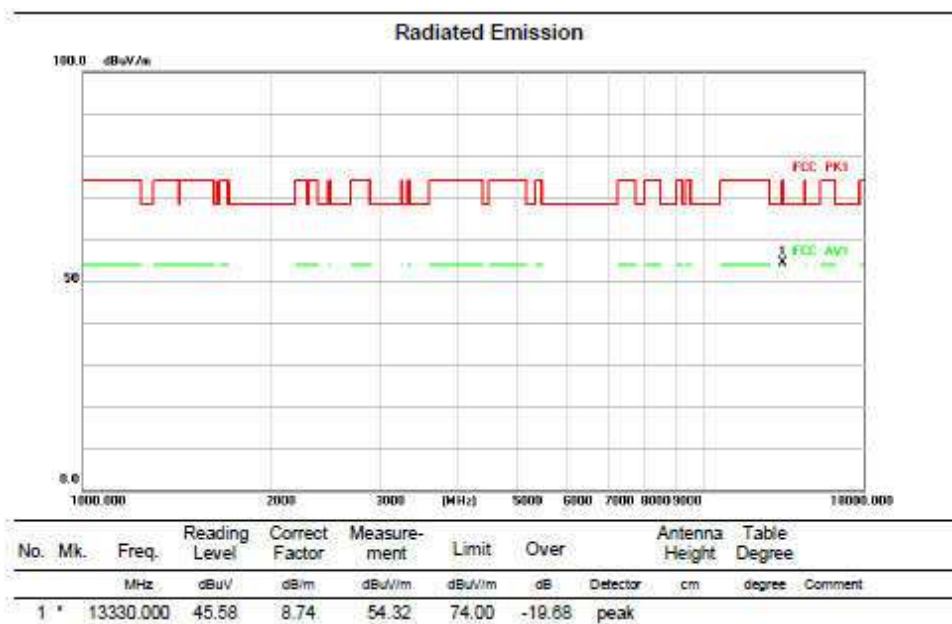


Above 1G (1GHz~18GHz)

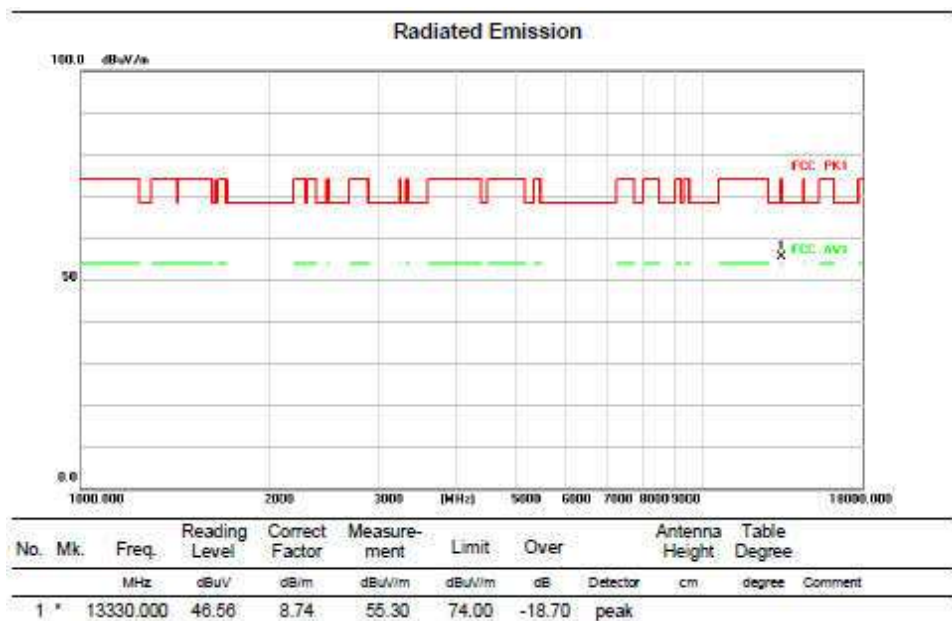
Test mode:11BE160MIMO

Test Channel:143

VERTICAL



HORIZONTAL

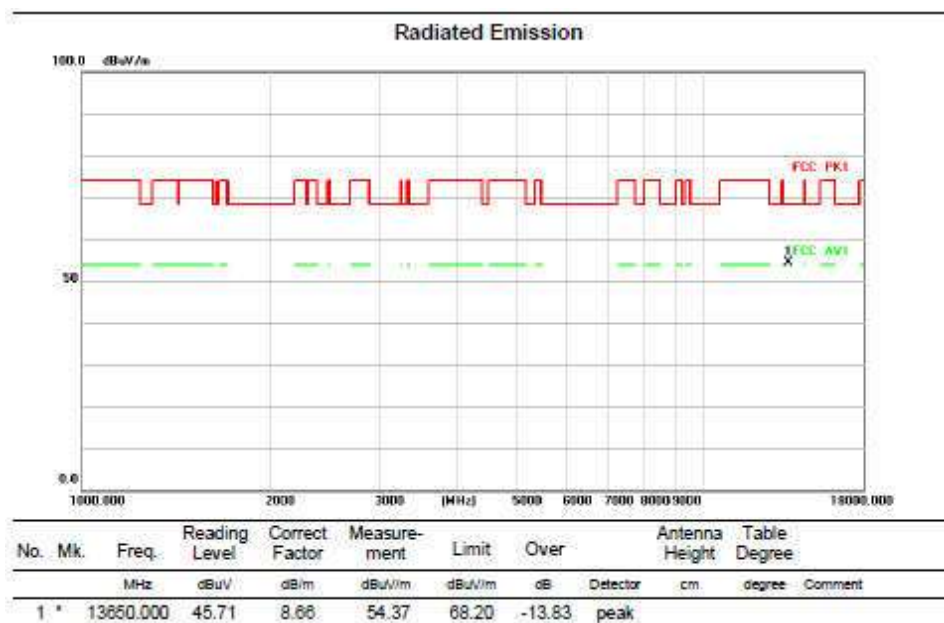


Above 1G (1GHz~18GHz)

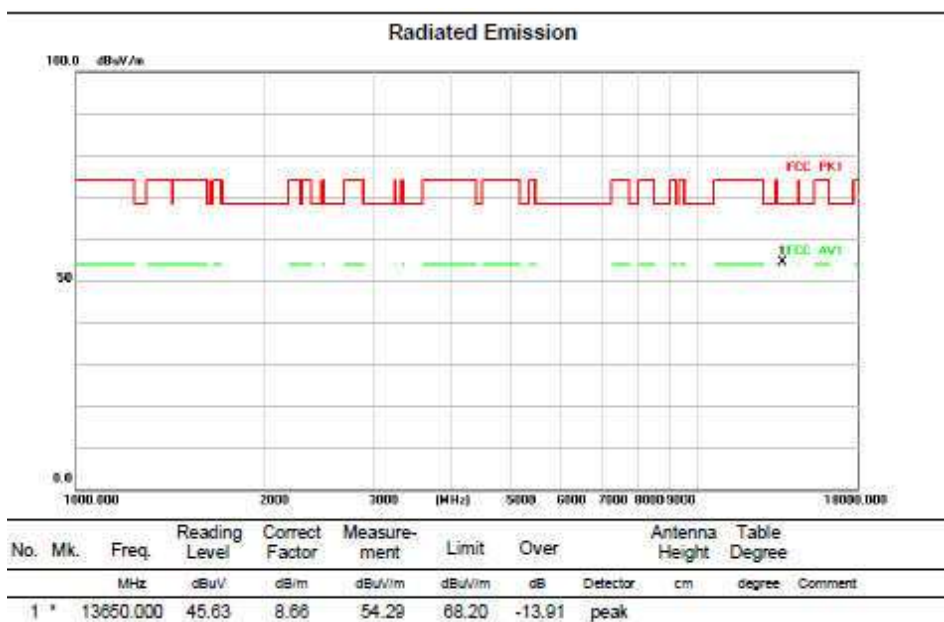
Test mode:11BE160MIMO

Test Channel:175

VERTICAL



HORIZONTAL



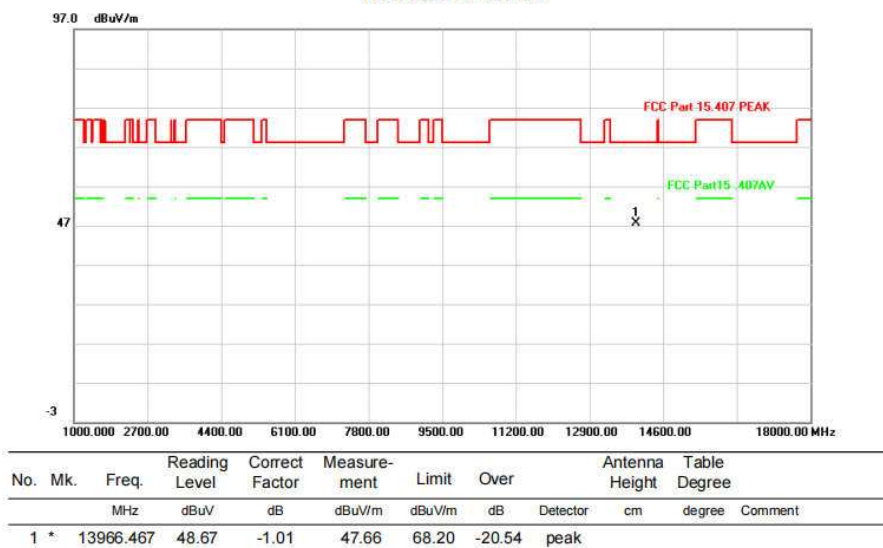
Above 1G (1GHz~18GHz)

Test mode:11BE160MIMO

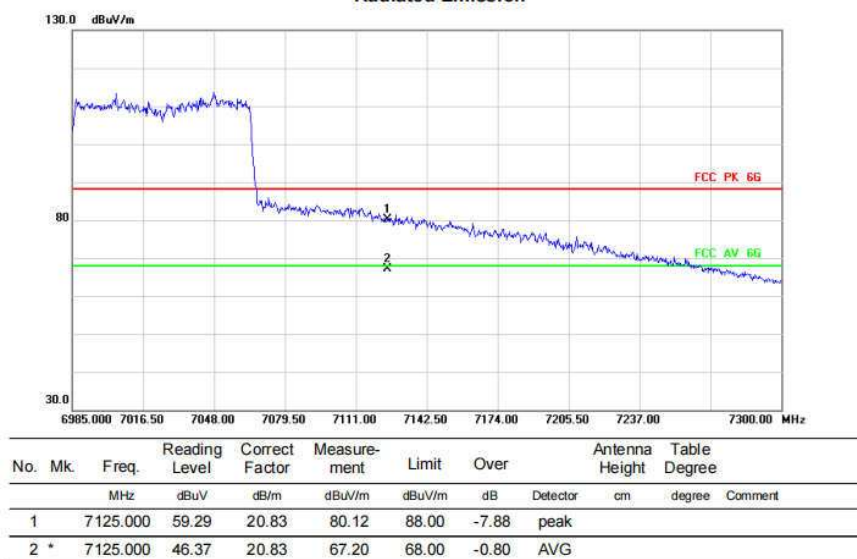
Test Channel:207

VERTICAL

Radiated Emission

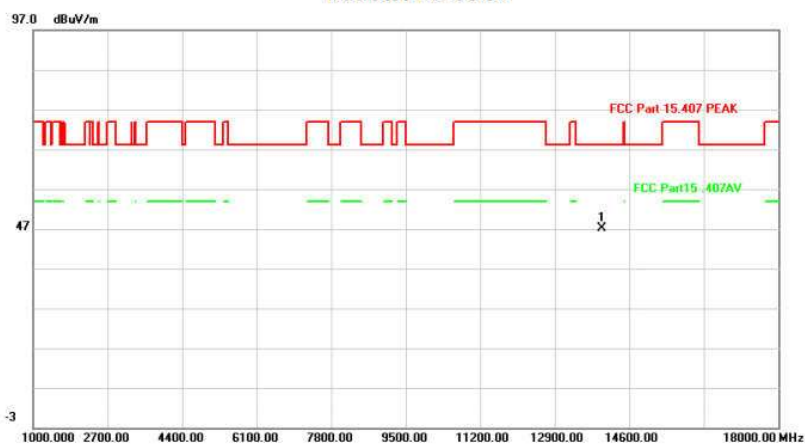


Radiated Emission



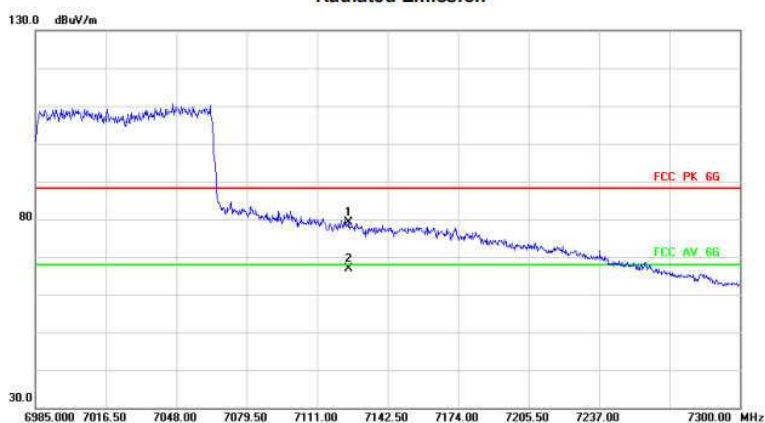
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table
		MHz	Level	Factor	ment			Height	Degree
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1	*	13971.000	48.21	-1.00	47.21	68.20	-20.99	peak	

Radiated Emission



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table
		MHz	Level	Factor	ment			Height	Degree
			dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1		7125.000	58.31	20.83	79.14	88.00	-8.86	peak	
2	*	7125.000	46.00	20.83	66.83	68.00	-1.17	AVG	

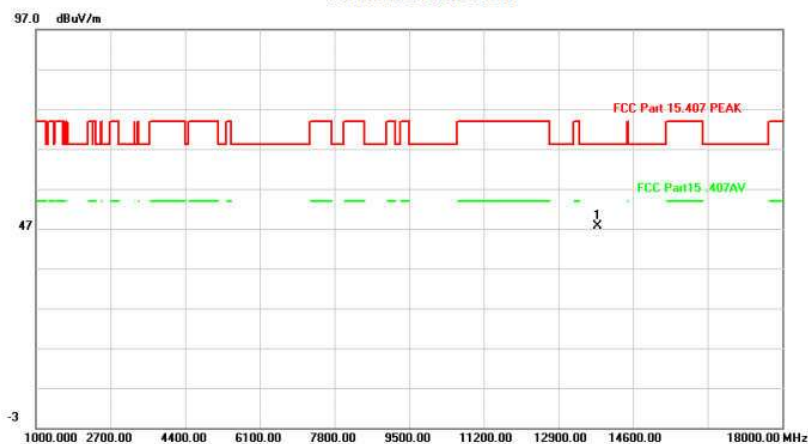
Above 1G (1GHz~18GHz)

Test mode:11BE320MIMO

Test Channel:31

VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	13804.400	49.09	-1.49	47.60	68.20	-20.60	peak		Comment

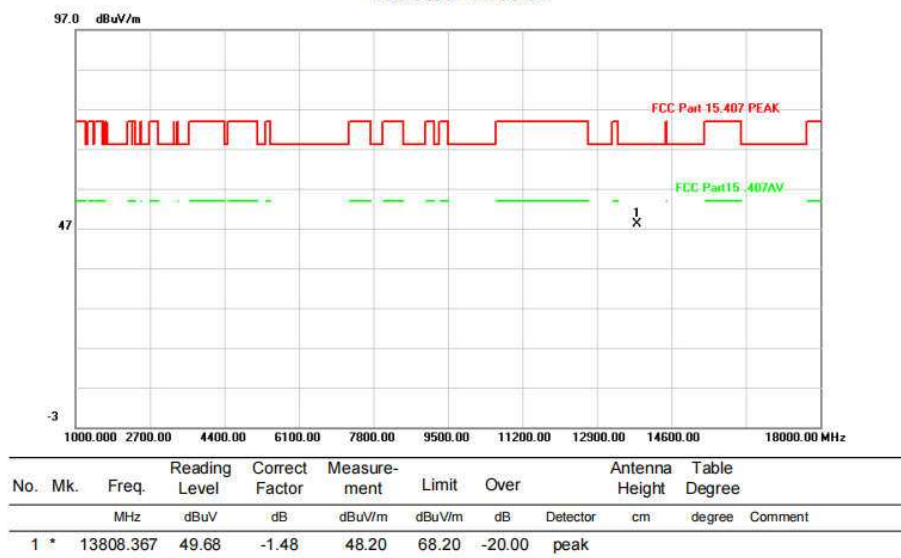
Radiated Emission



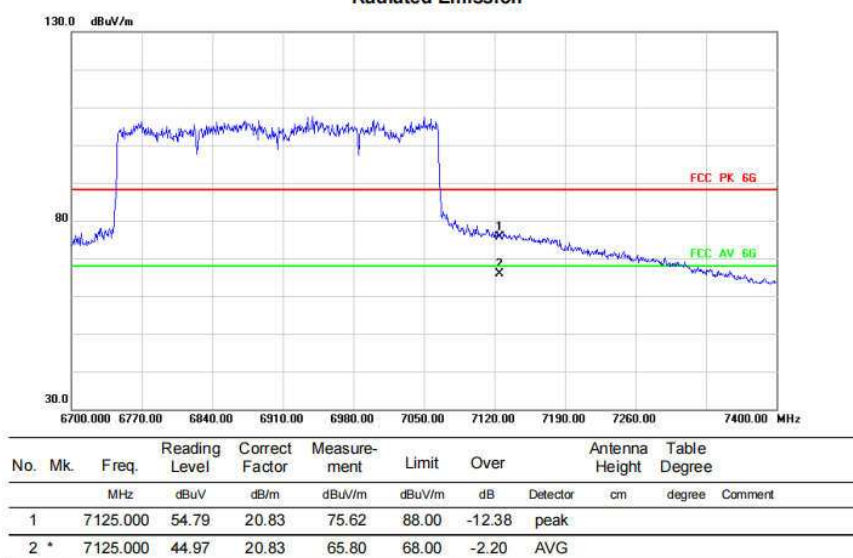
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		7125.000	58.46	20.83	79.29	88.00	-8.71	peak		Comment
2	*	7125.000	46.51	20.83	67.34	68.00	-0.66	AVG		

HORIZONTALA

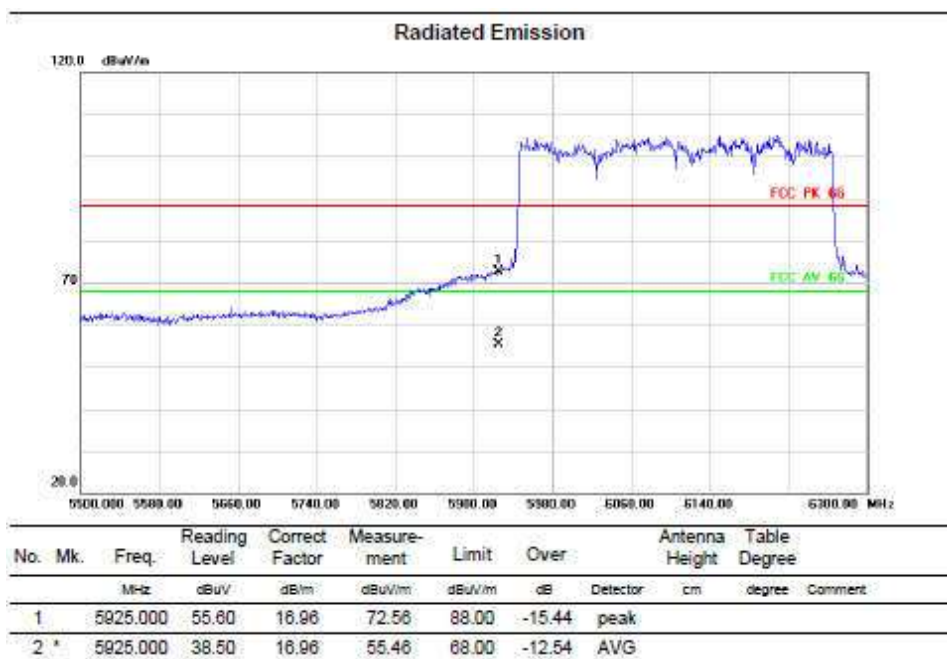
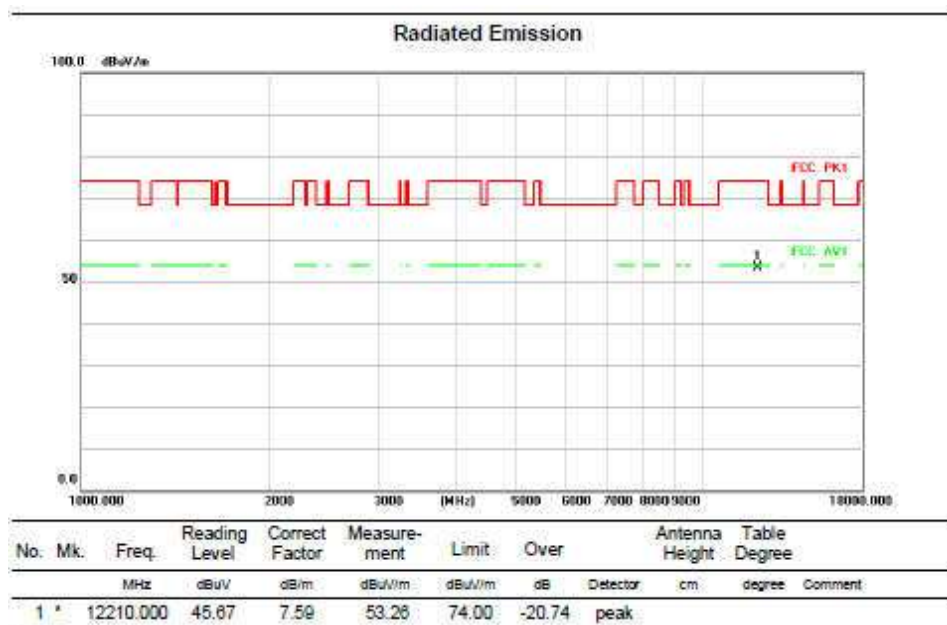
Radiated Emission



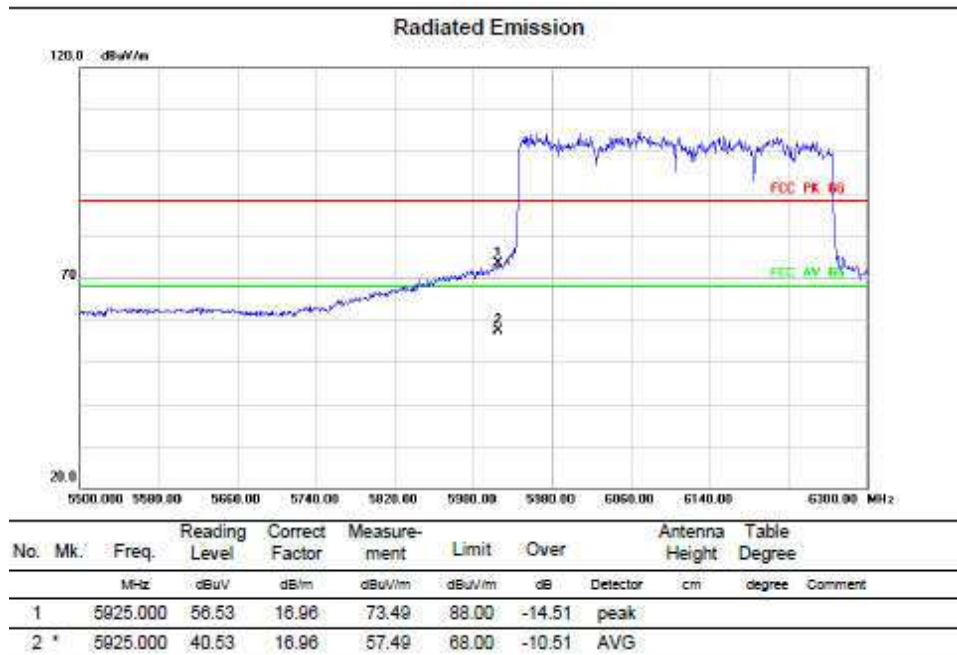
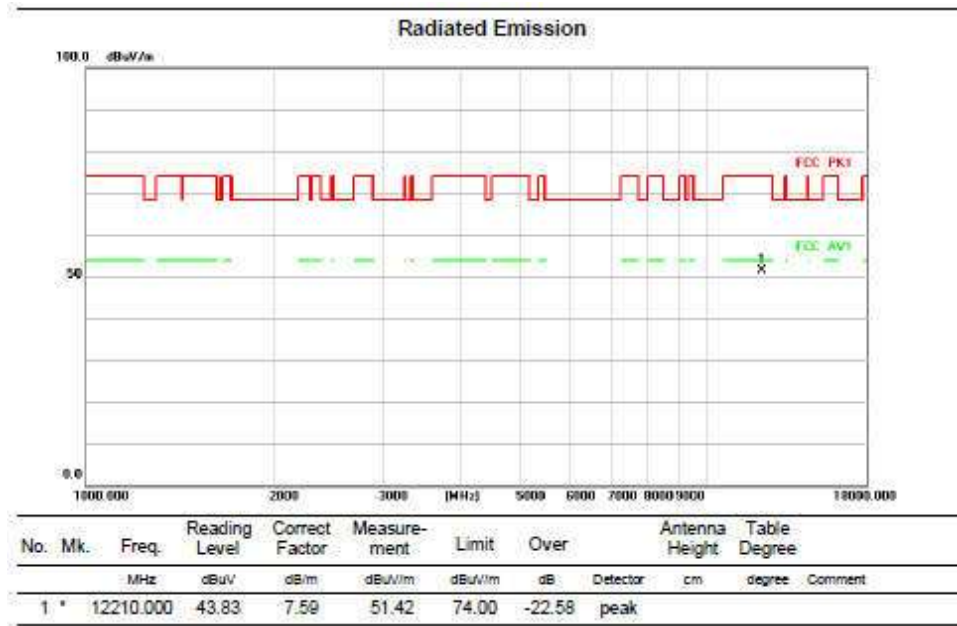
Radiated Emission



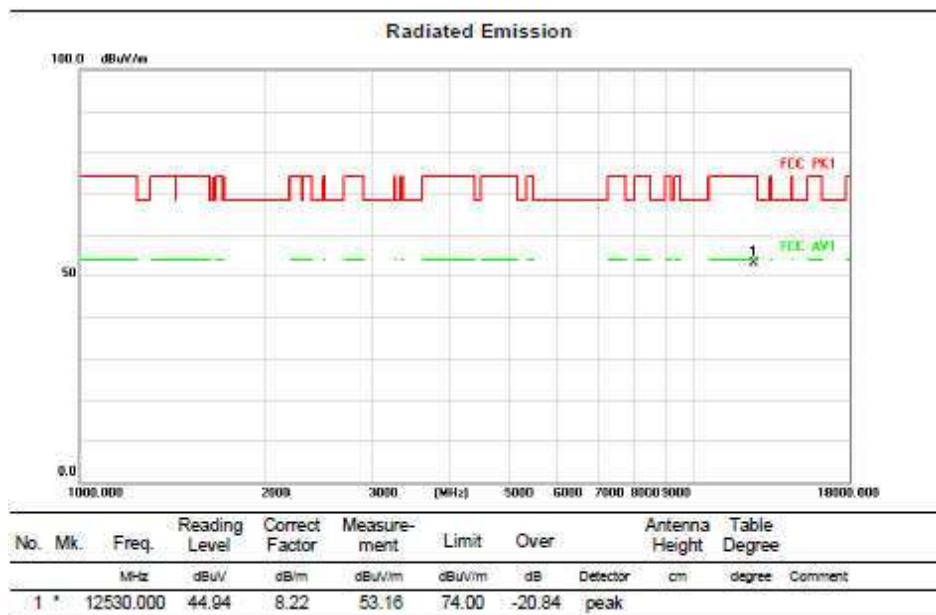
VERTICAL



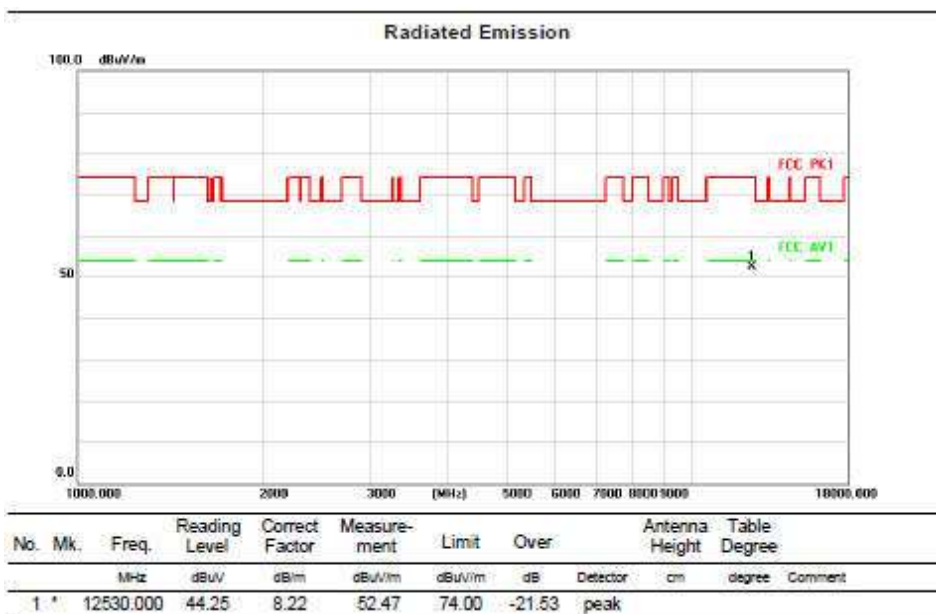
HORIZONTAL



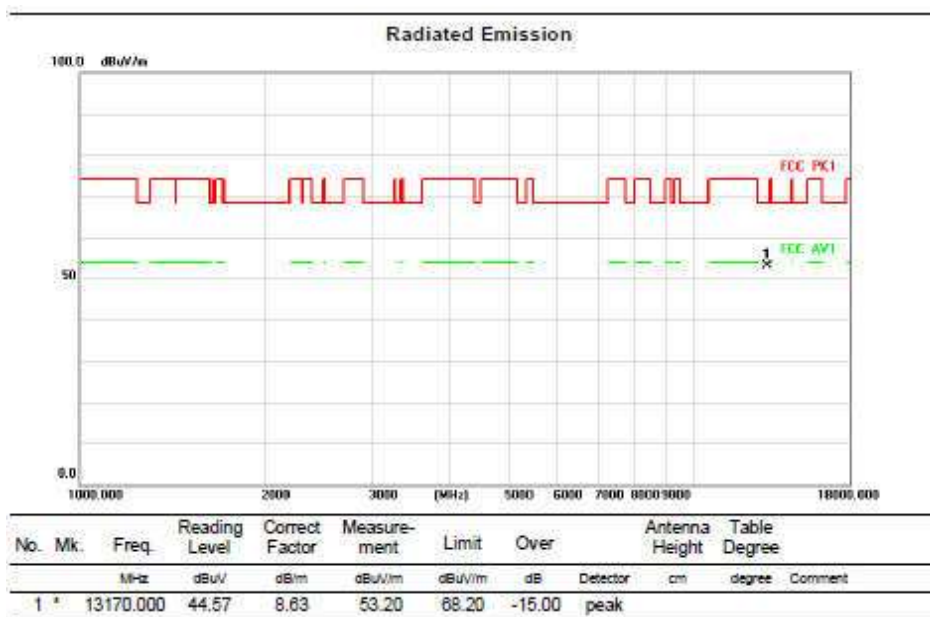
VERTICAL



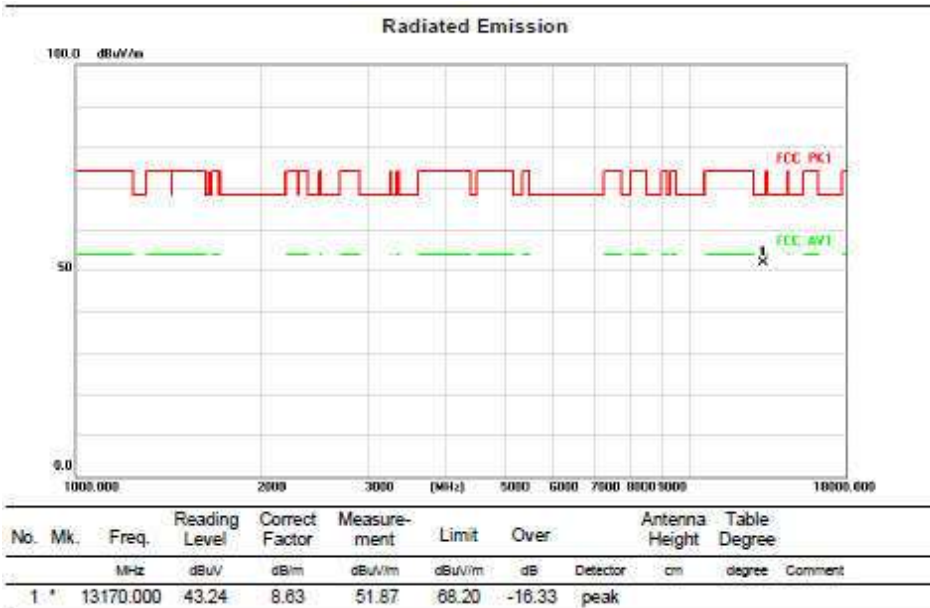
HORIZONTAL



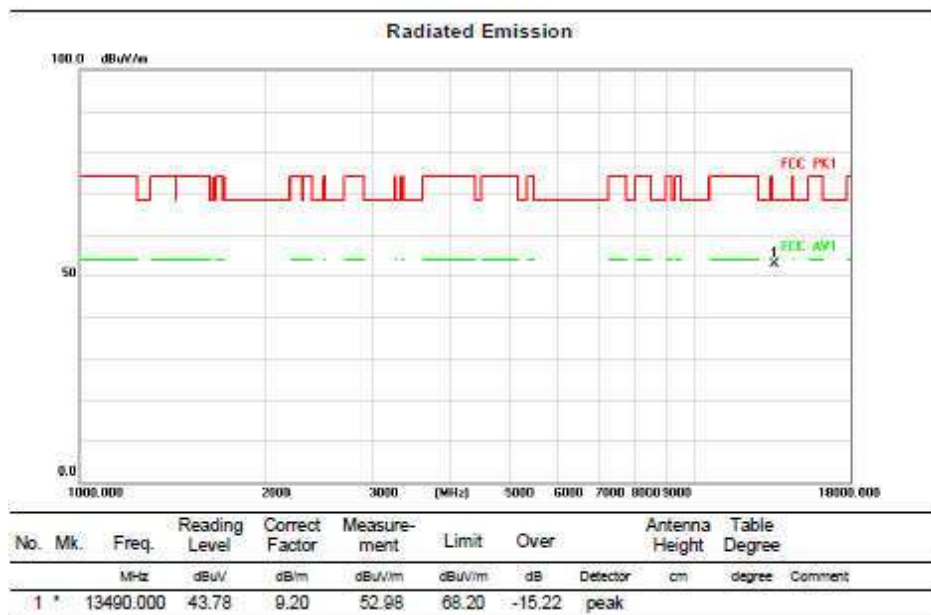
VERTICAL



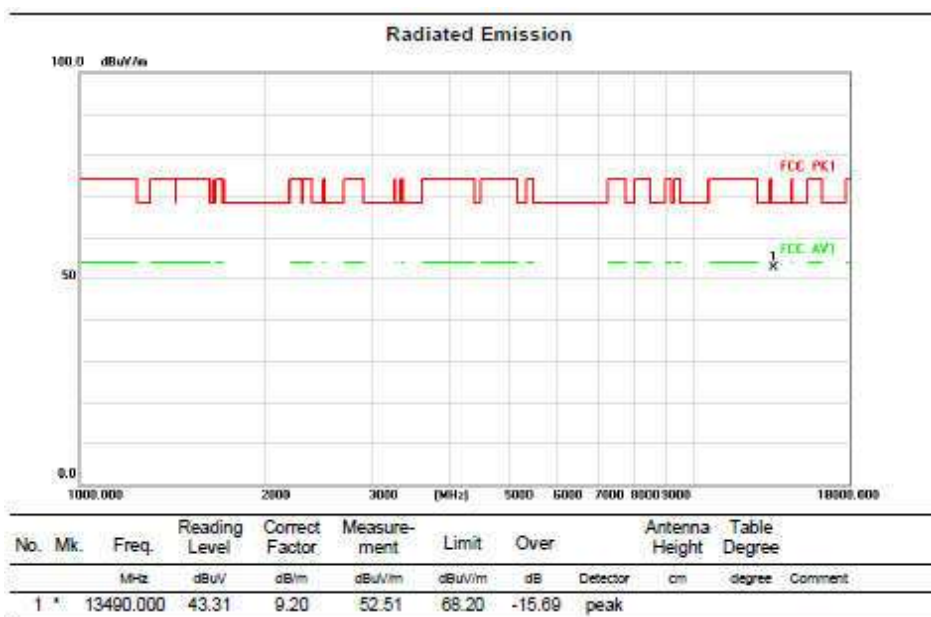
HORIZONTAL



VERTICAL



HORIZONTAL



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.

3.8 AC Conducted Emissions Measurement

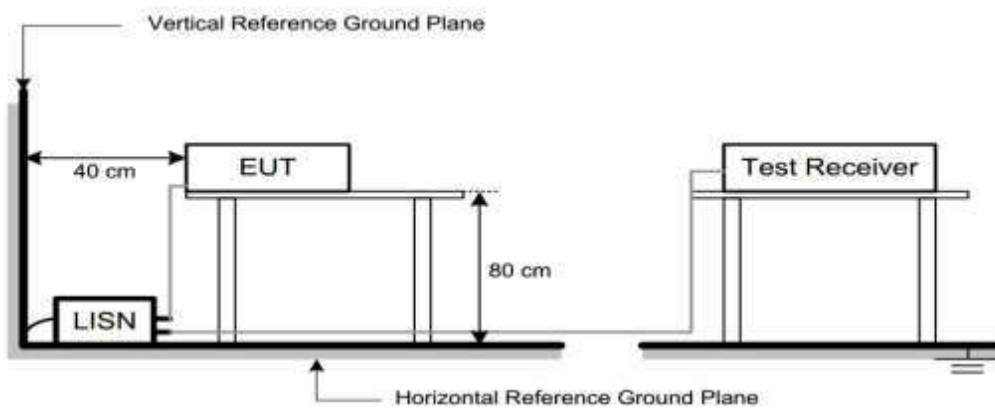
2.8.1 Test Limit

Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

2.8.2 Test Setup



2.8.3 Test Result

Note:

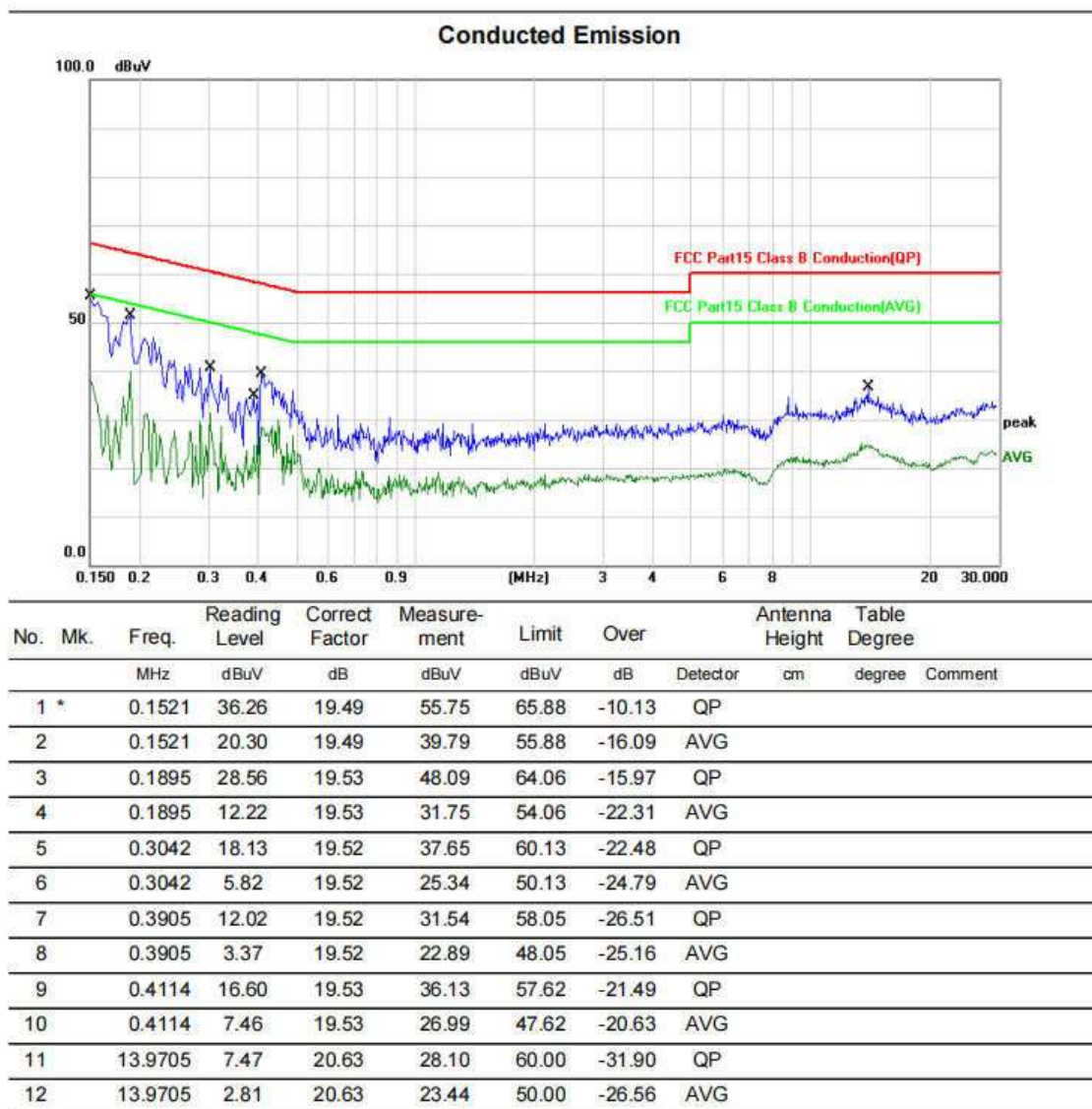
1. Correct Factor = LISN Factor + Cable Loss + Pulse Limiter Factor, the value was added to Original Receiver Reading by the software automatically.
2. Measurement = Reading + Correct Factor.
3. Over = Measurement – Limit

Note: This adapter has been tested the conducted emission with the EUT separately. We only recorded the data of the worst mode. Please see the following:

150kHz~30MHz

Worst Case Operating Mode: AX80MIMO Channel 87

Line

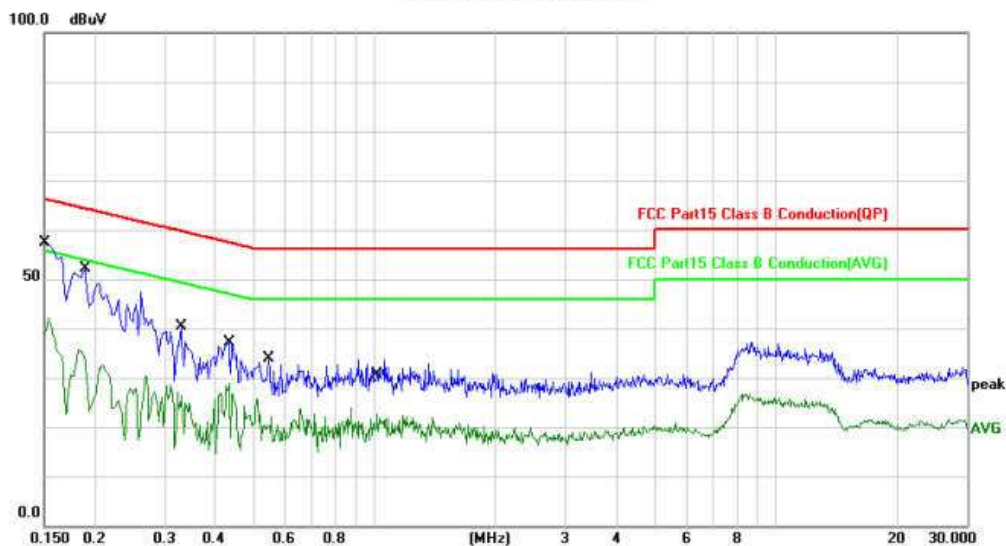


150kHz~30MHz

Worst Case Operating Mode: AX80MIMO Channel 87

Neutral

Conducted Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	cm	degree	Comment
1	*	0.1517	36.09	19.70	55.79	65.91	-10.12	QP		
2		0.1517	19.69	19.70	39.39	55.91	-16.52	AVG		
3		0.1891	28.88	19.70	48.58	64.08	-15.50	QP		
4		0.1891	12.38	19.70	32.08	54.08	-22.00	AVG		
5		0.3291	13.83	19.70	33.53	59.47	-25.94	QP		
6		0.3291	2.84	19.70	22.54	49.47	-26.93	AVG		
7		0.4351	14.89	19.73	34.62	57.15	-22.53	QP		
8		0.4351	4.85	19.73	24.58	47.15	-22.57	AVG		
9		0.5500	6.54	19.75	26.29	56.00	-29.71	QP		
10		0.5500	-0.35	19.75	19.40	46.00	-26.60	AVG		
11		1.0134	7.22	19.88	27.10	56.00	-28.90	QP		
12		1.0134	0.84	19.88	20.72	46.00	-25.28	AVG		

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.

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(END OF REPORT)