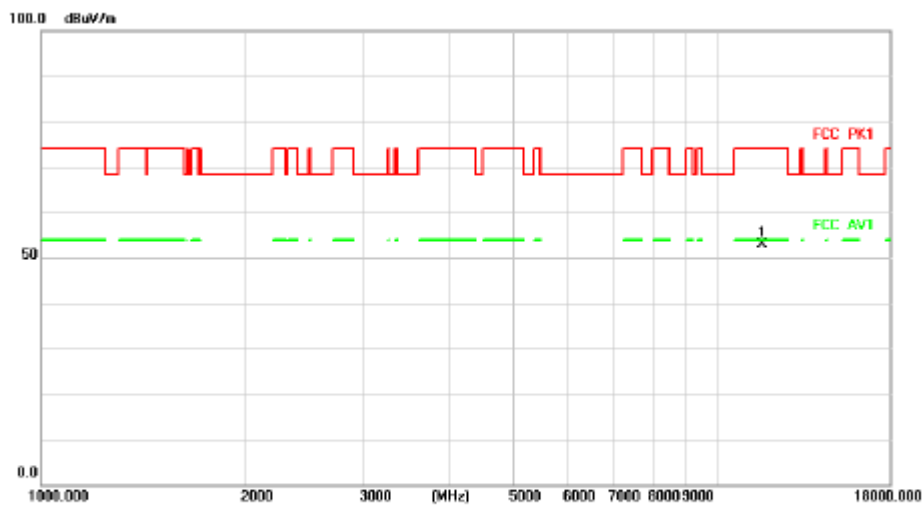


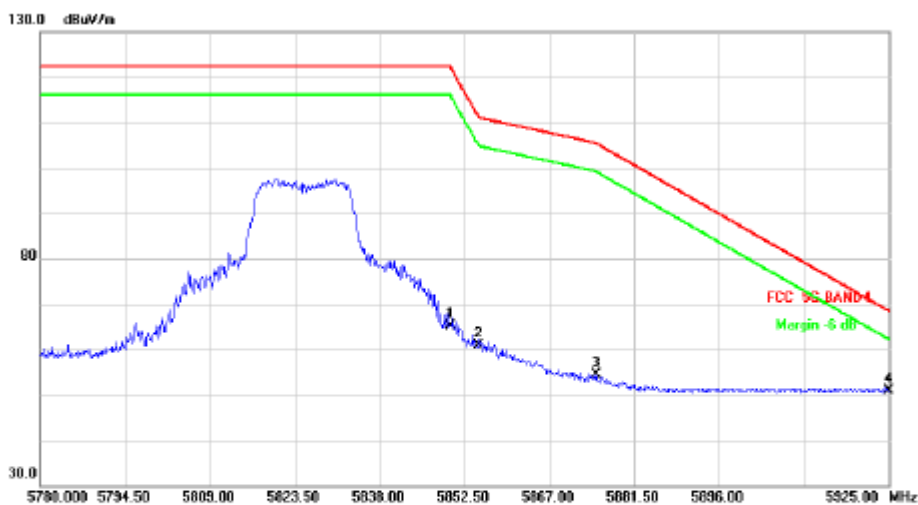
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dBm	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11850.000	44.93	7.92	52.85	74.00	-21.15	peak	

Radiated Emission



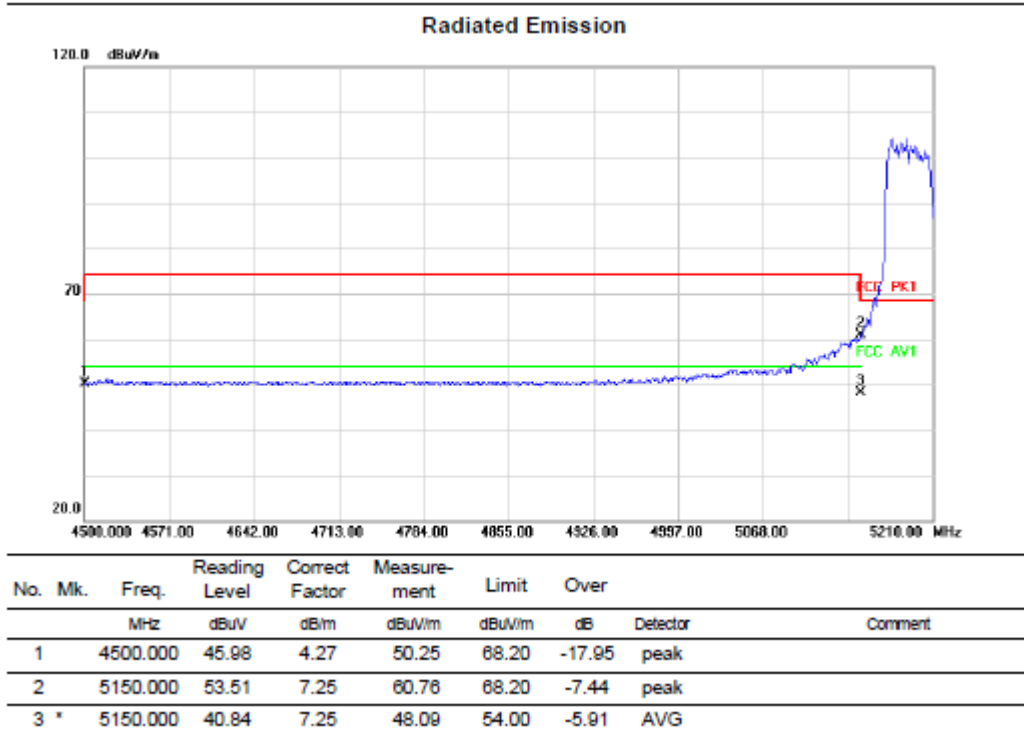
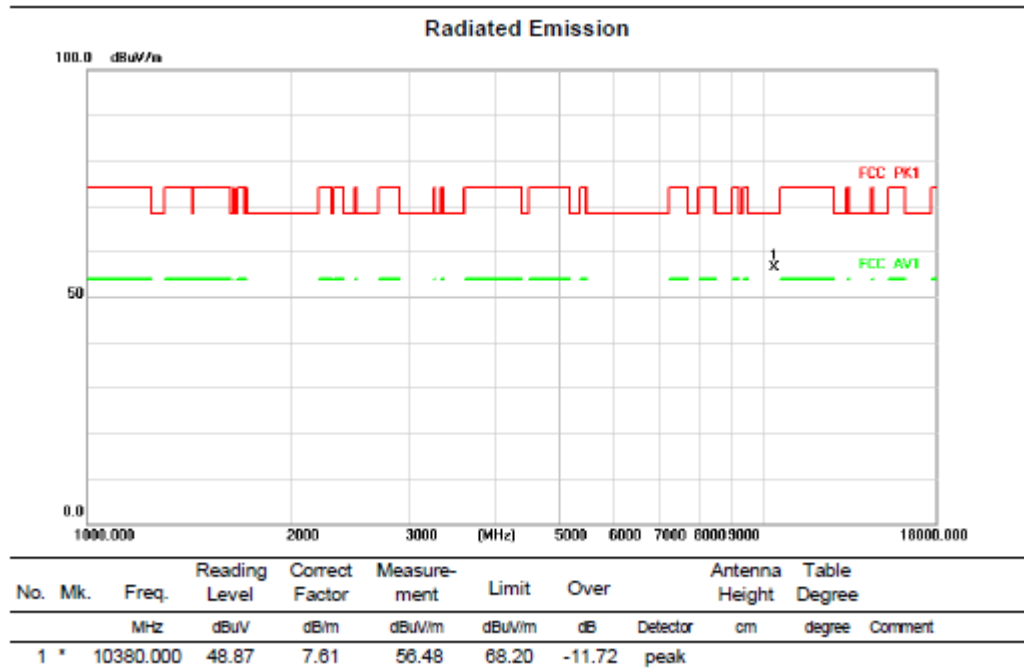
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dBm	dBuV/m	dBuV/m	dB	Detector	Comment
1		5850.000	59.50	5.74	65.24	122.20	-56.96	peak	
2		5855.000	55.06	5.82	60.88	110.80	-49.92	peak	
3		5875.000	48.12	6.16	54.28	105.20	-50.92	peak	
4	*	5925.000	43.68	7.13	50.81	68.20	-17.39	peak	

Above 1GHz (1GHz~18GHz)

Test mode: 11N40

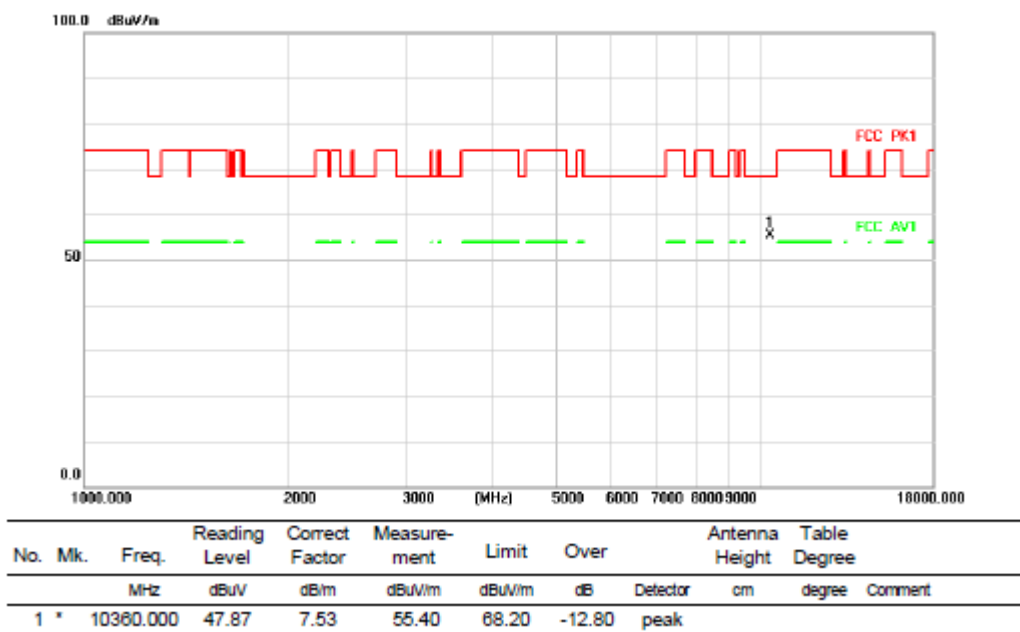
Test Channel:38

VERTICAL

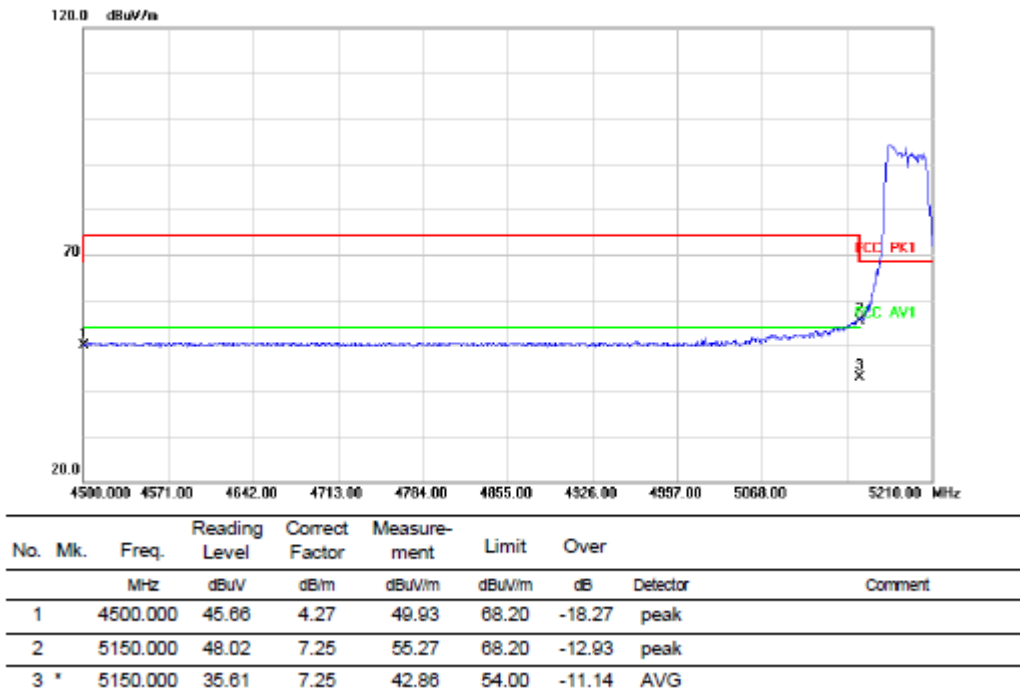


HORIZONTAL

Radiated Emission



Radiated Emission

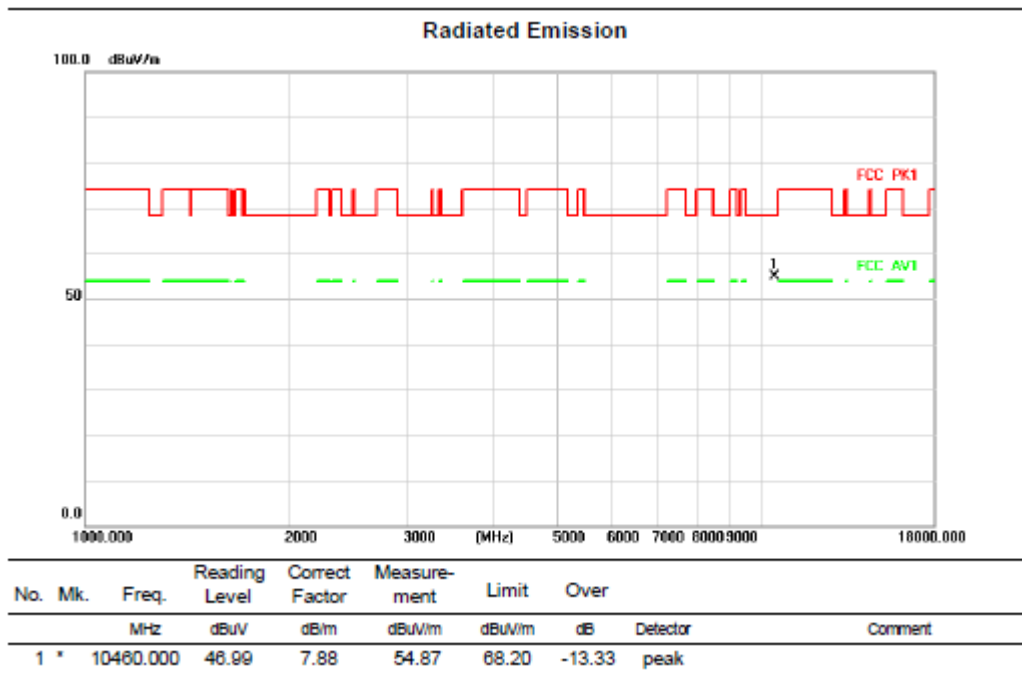


Above 1GHz (1GHz~18GHz)

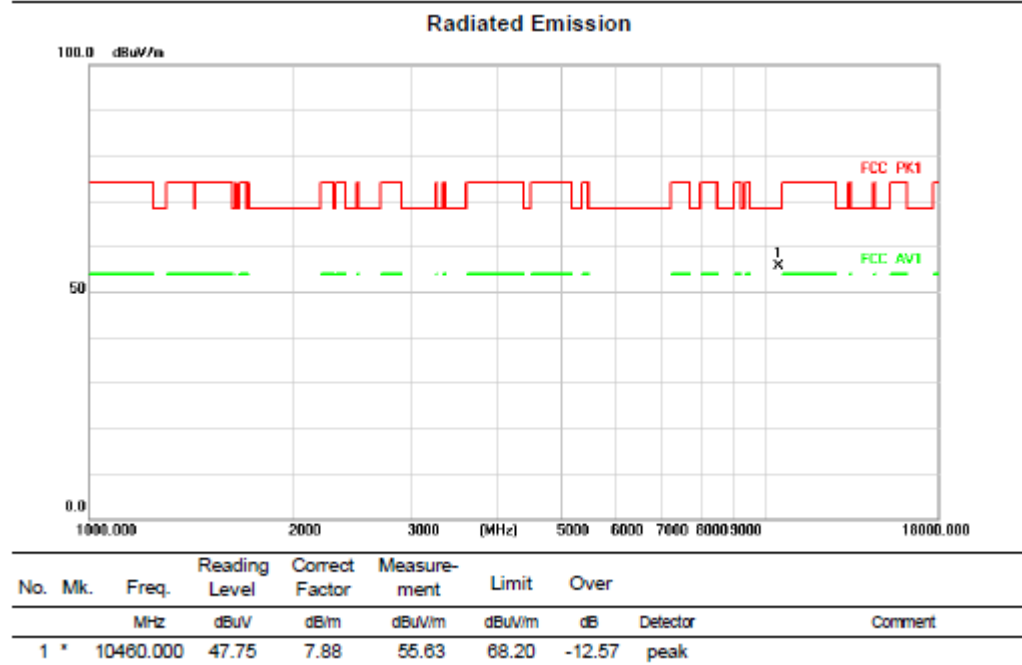
Test mode: 11N40

Test Channel:46

VERTICAL



HORIZONTAL

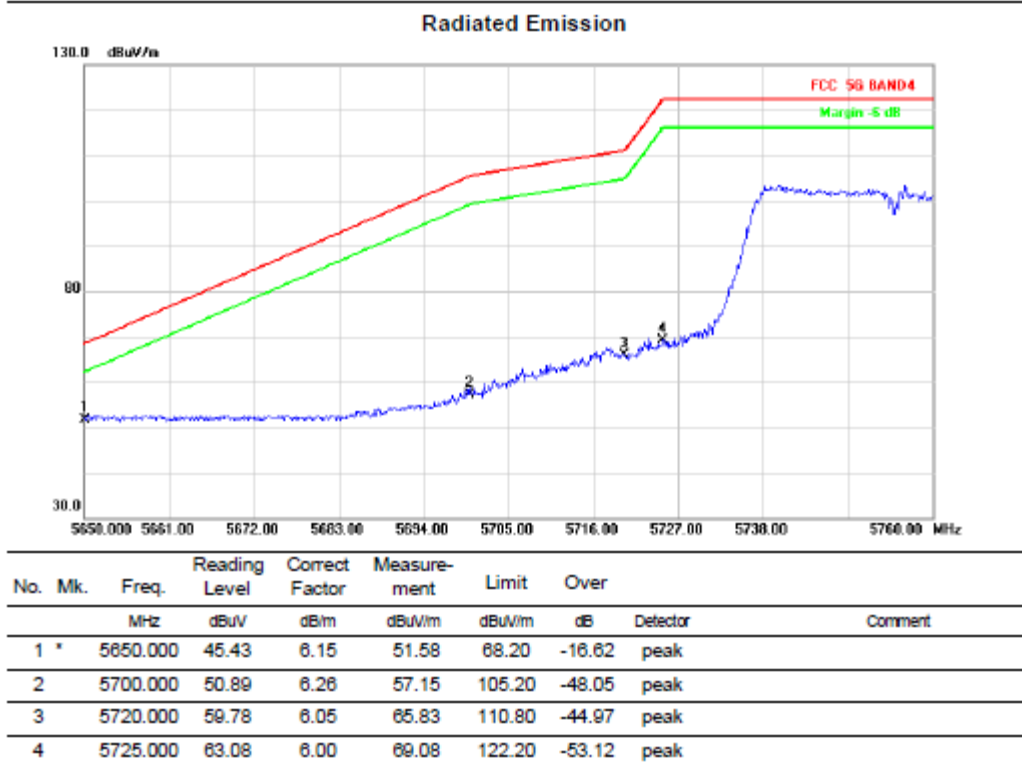
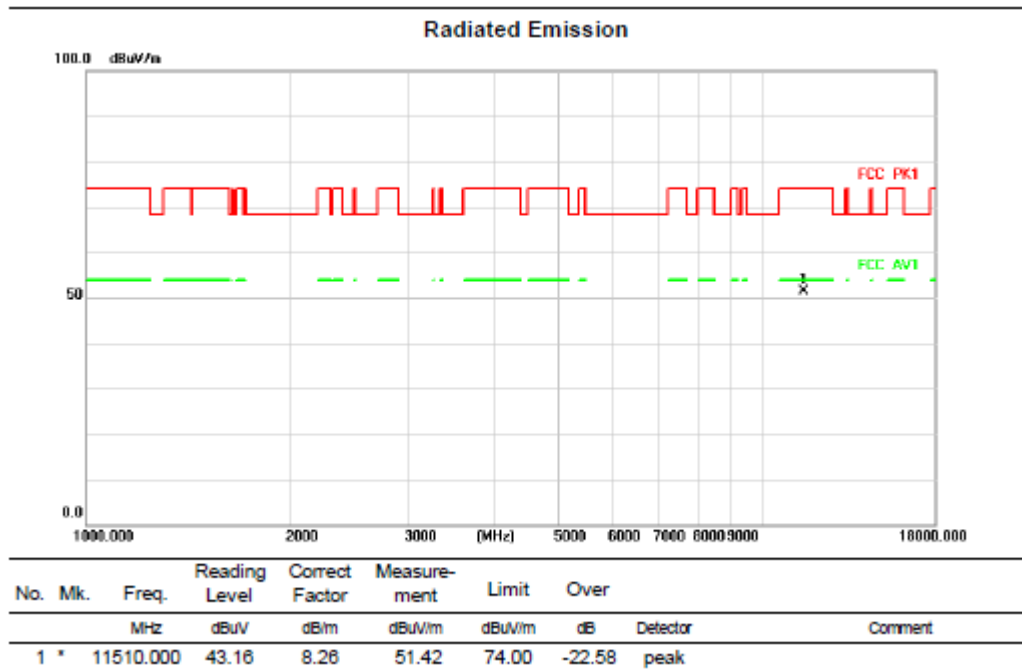


Above 1GHz (1GHz~18GHz)

Test mode: 11N40

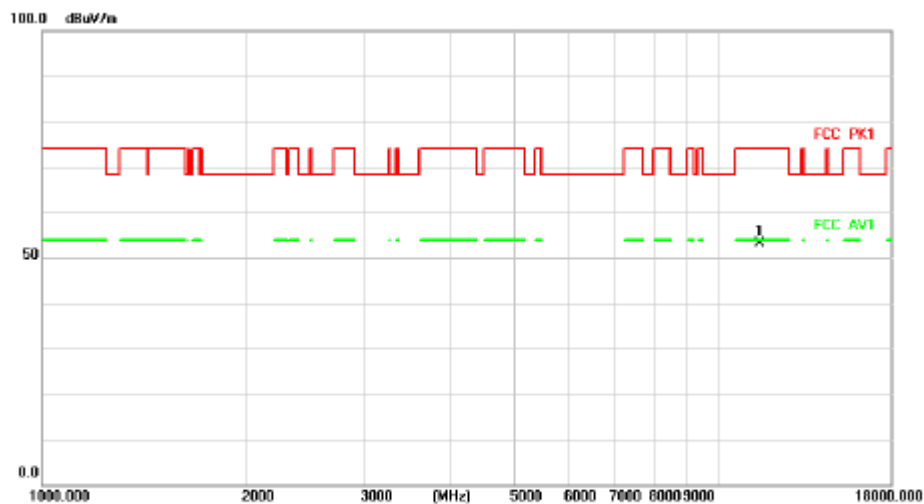
Test Channel:151

VERTICAL



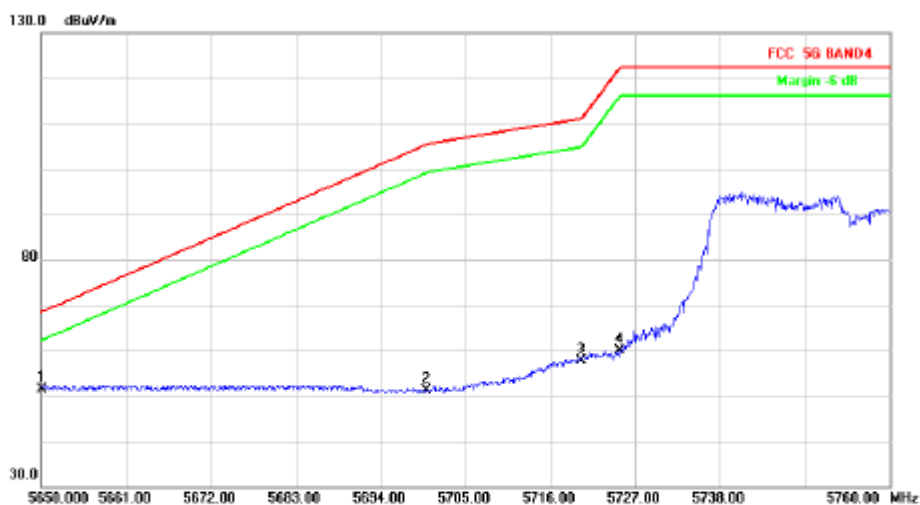
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dBm	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11510.000	44.90	8.26	53.16	74.00	-20.84	peak	

Radiated Emission



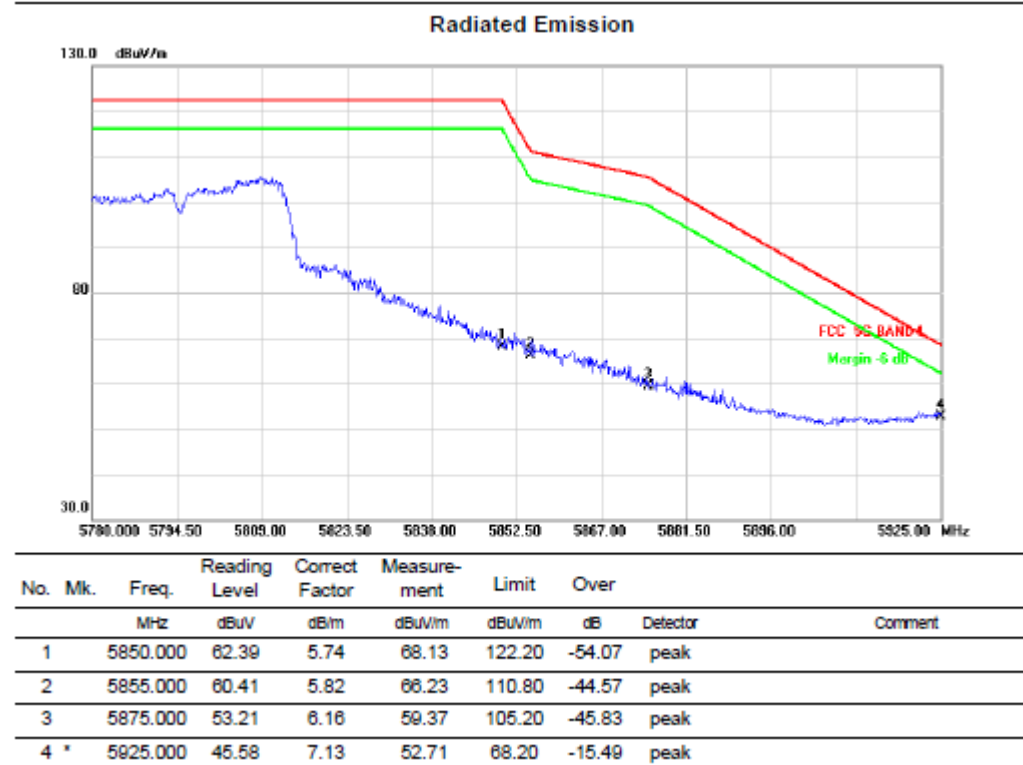
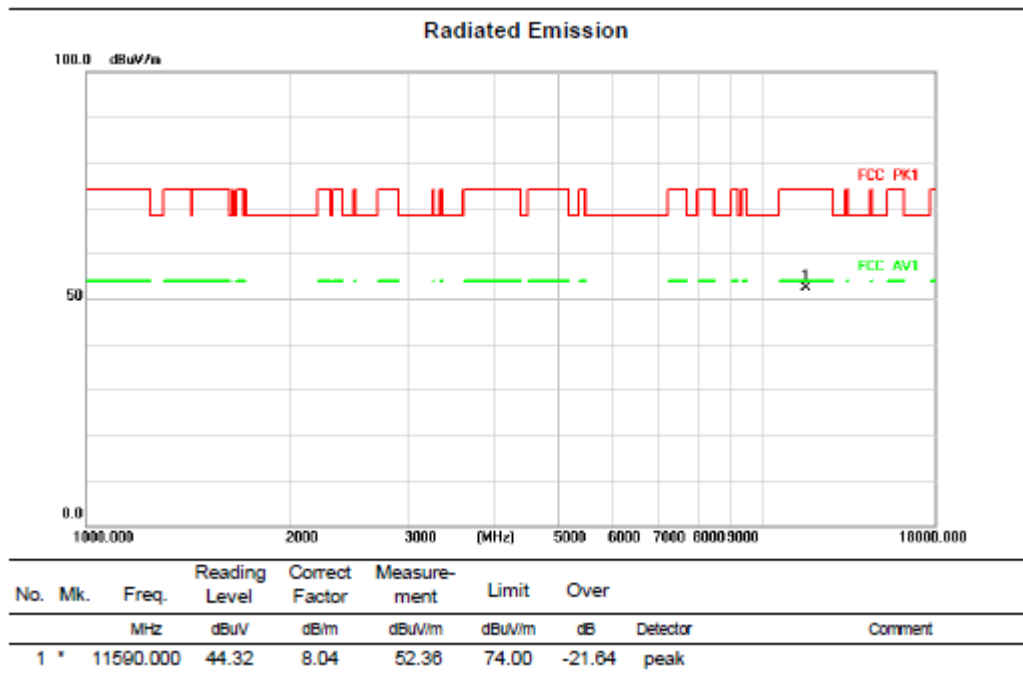
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dBm	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5650.000	45.20	6.15	51.35	68.20	-16.85	peak	
2		5700.000	44.90	6.26	51.16	105.20	-54.04	peak	
3		5720.000	51.65	6.05	57.70	110.80	-53.10	peak	
4		5725.000	53.99	6.00	59.99	122.20	-62.21	peak	

Above 1GHz (1GHz~18GHz)

Test mode: 11N40

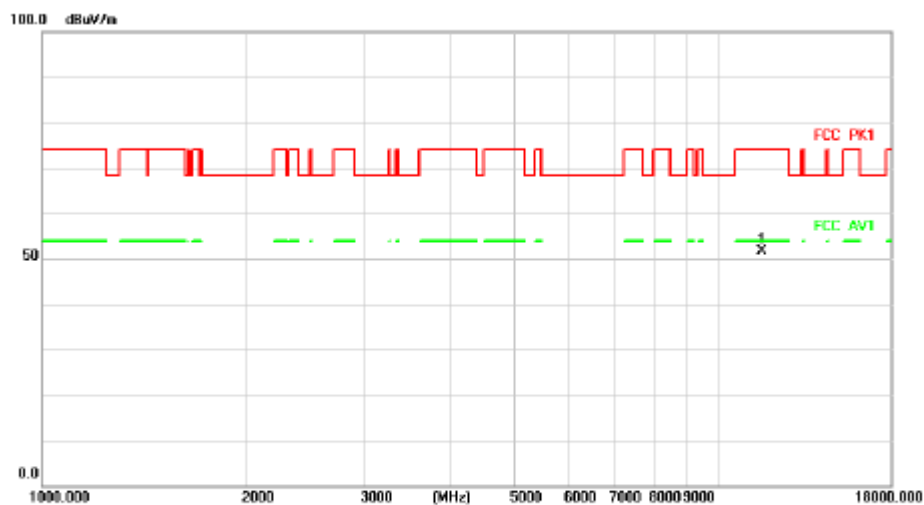
Test Channel:159

VERTICAL



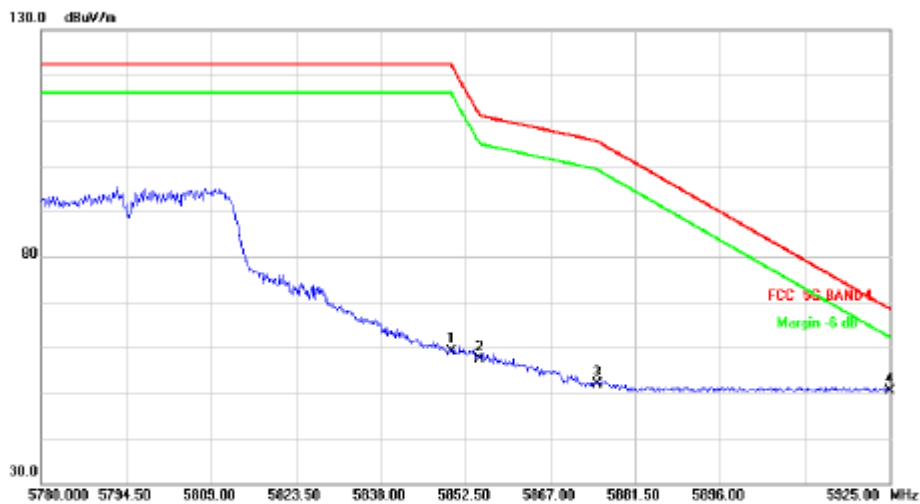
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dBm	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11590.000	43.49	8.04	51.53	74.00	-22.47	peak	

Radiated Emission



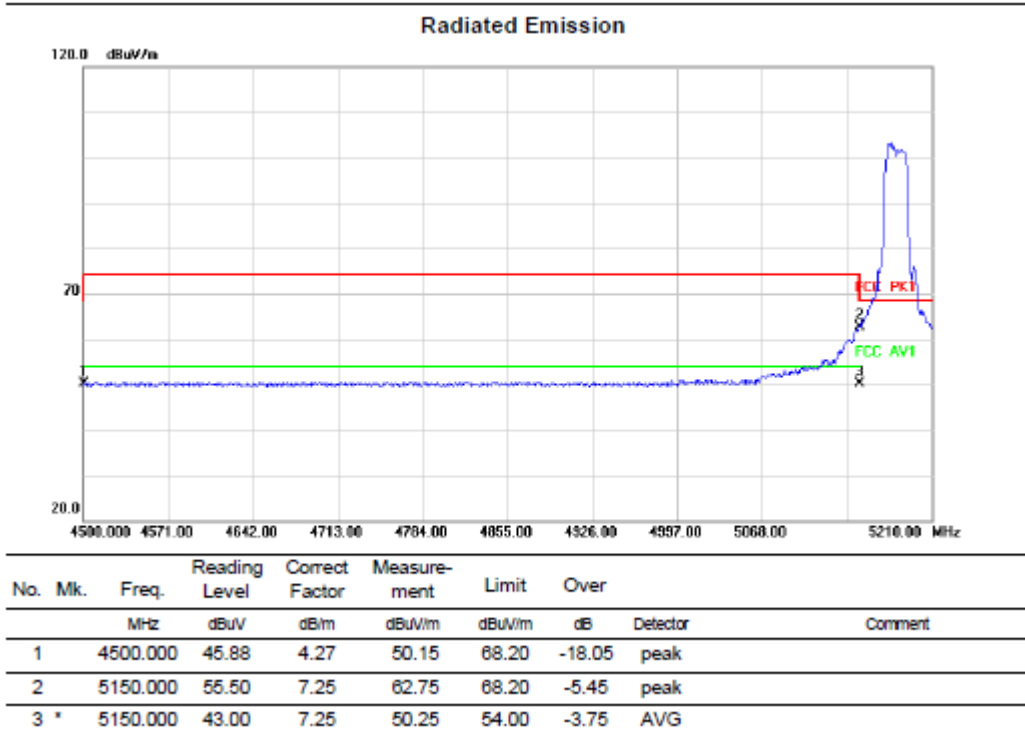
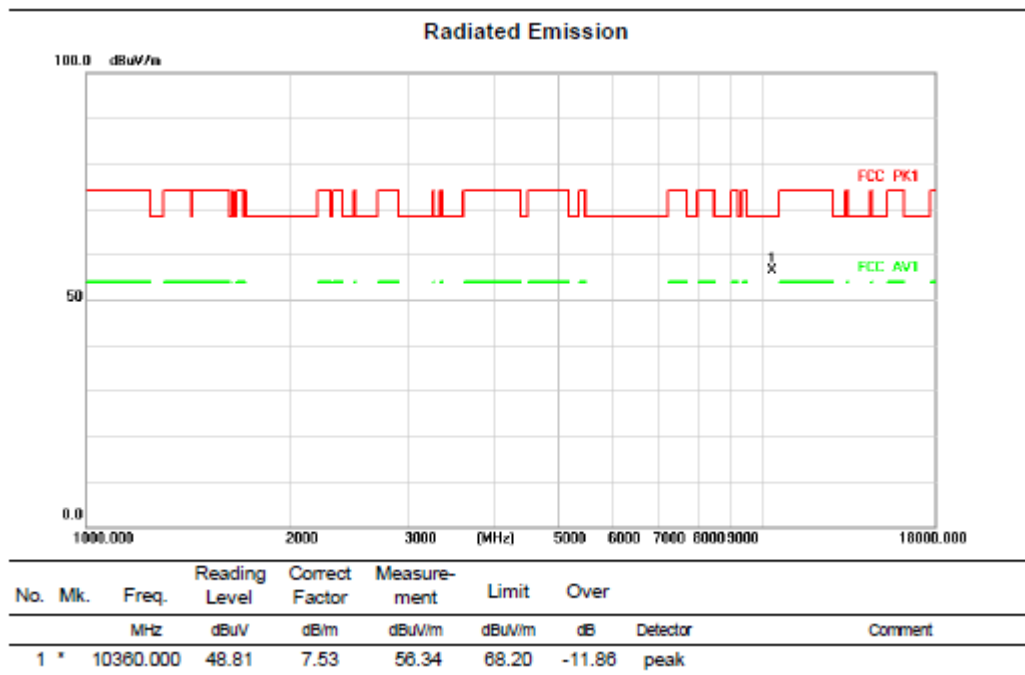
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dBm	dBuV/m	dBuV/m	dB	Detector	Comment
1		5850.000	53.43	5.74	59.17	122.20	-63.03	peak	
2		5855.000	51.55	5.82	57.37	110.80	-53.43	peak	
3		5875.000	45.81	6.16	51.97	105.20	-53.23	peak	
4	*	5925.000	43.17	7.13	50.30	68.20	-17.90	peak	

Above 1GHz (1GHz~18GHz)

Test mode: 11AC20

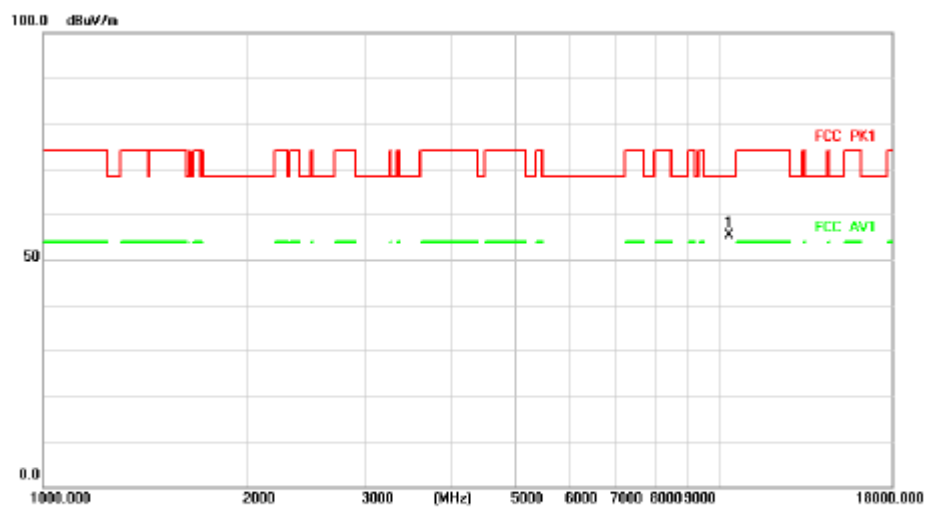
Test Channel:36

VERTICAL



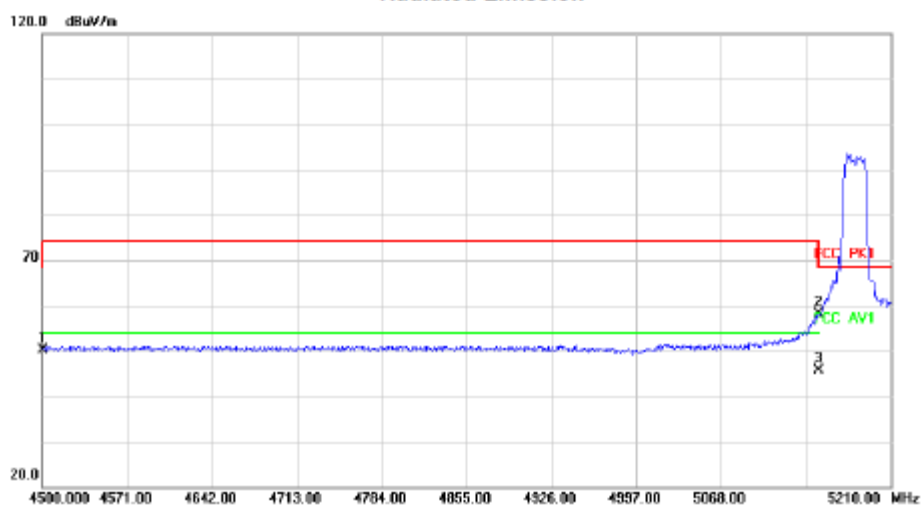
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dBm	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.000	47.87	7.53	55.40	68.20	-12.80	peak	

Radiated Emission



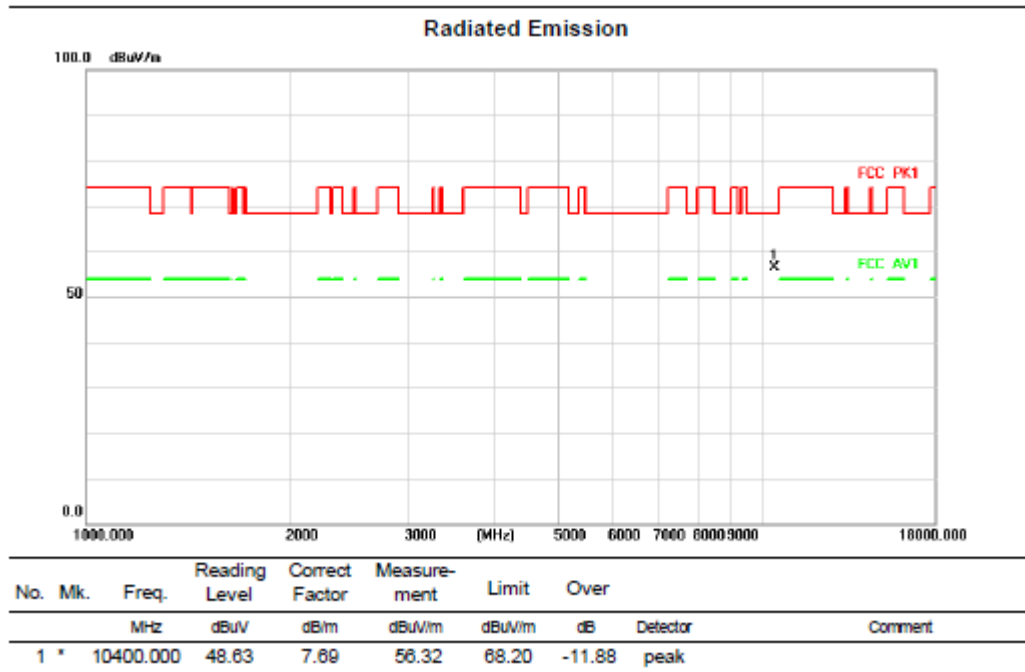
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dBm	dBuV/m	dBuV/m	dB	Detector	Comment
1		4500.000	45.94	4.27	50.21	68.20	-17.99	peak	
2		5150.000	50.78	7.25	58.03	68.20	-10.17	peak	
3	*	5150.000	38.27	7.25	45.52	54.00	-8.48	AVG	

Above 1GHz (1GHz~18GHz)

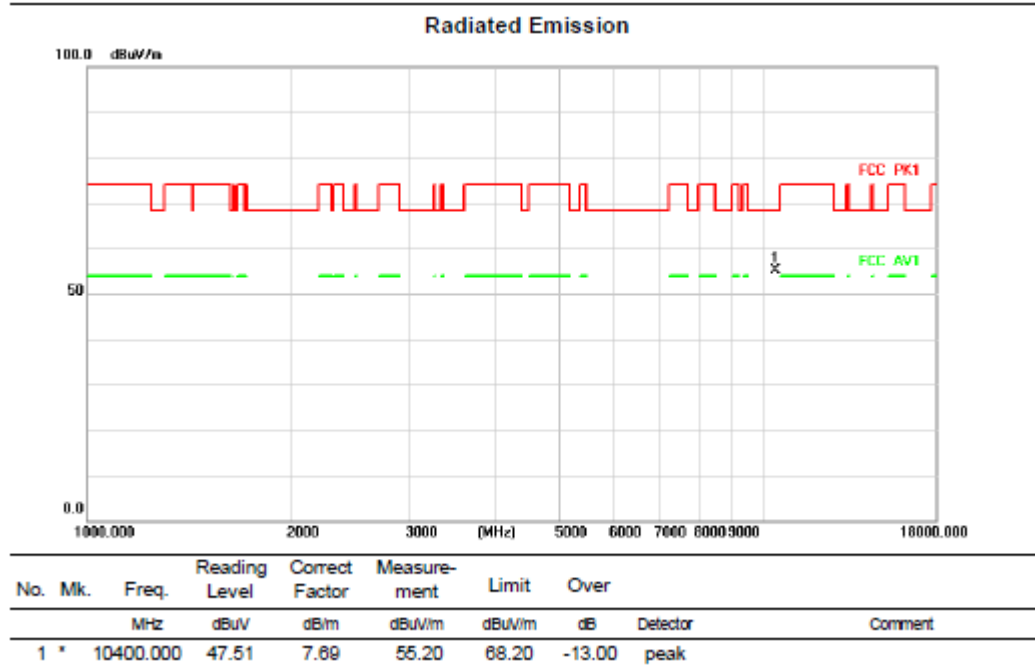
Test mode: 11AC20

Test Channel:40

VERTICAL



HORIZONTAL

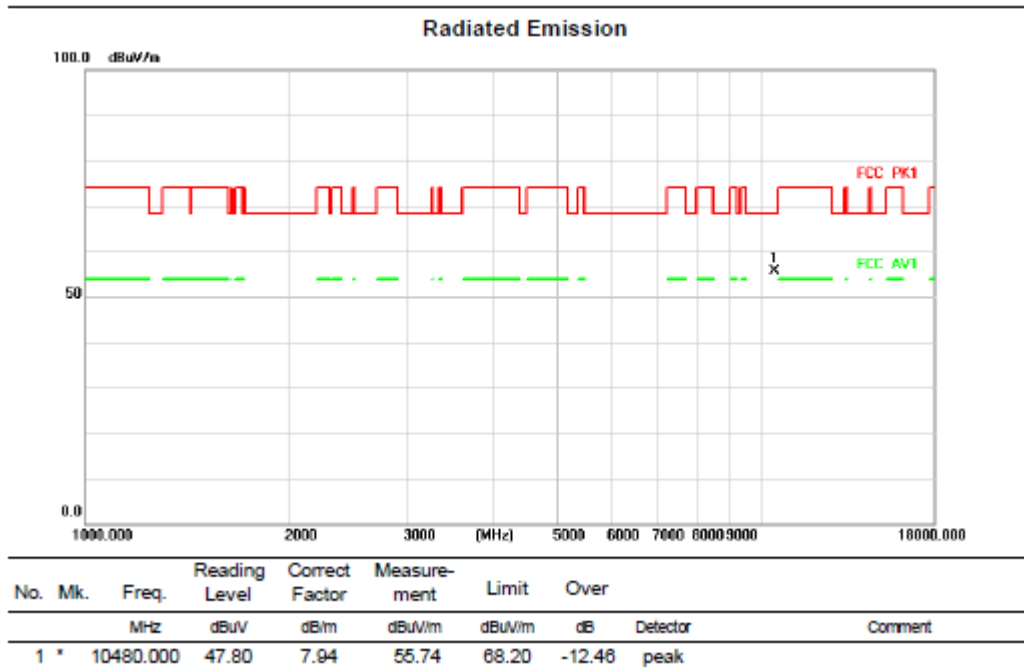


Above 1GHz (1GHz~18GHz)

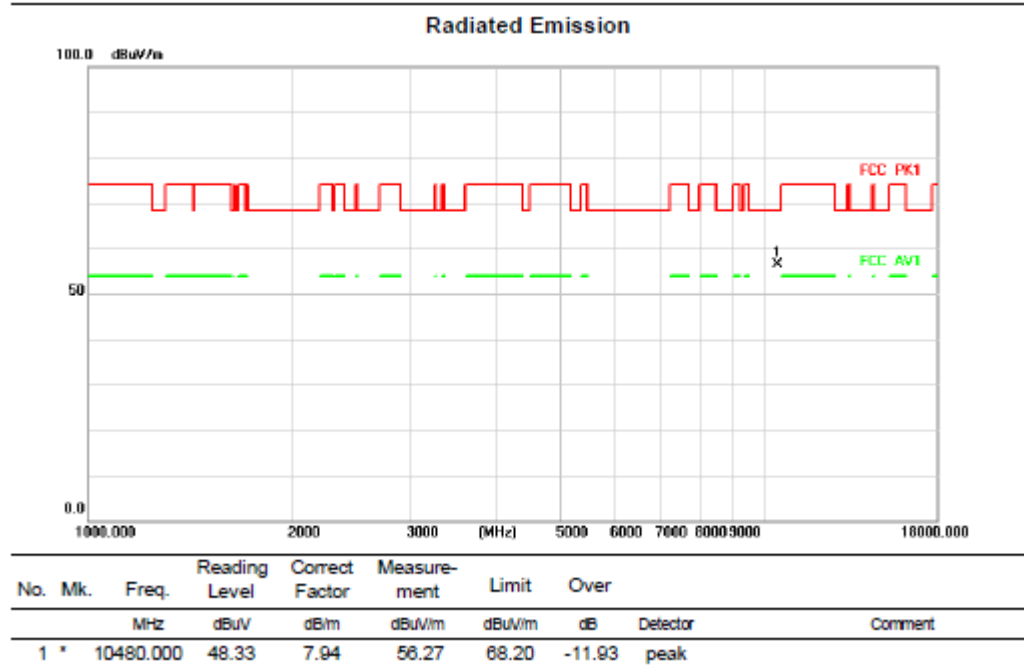
Test mode: 11AC20

Test Channel:48

VERTICAL



HORIZONTAL

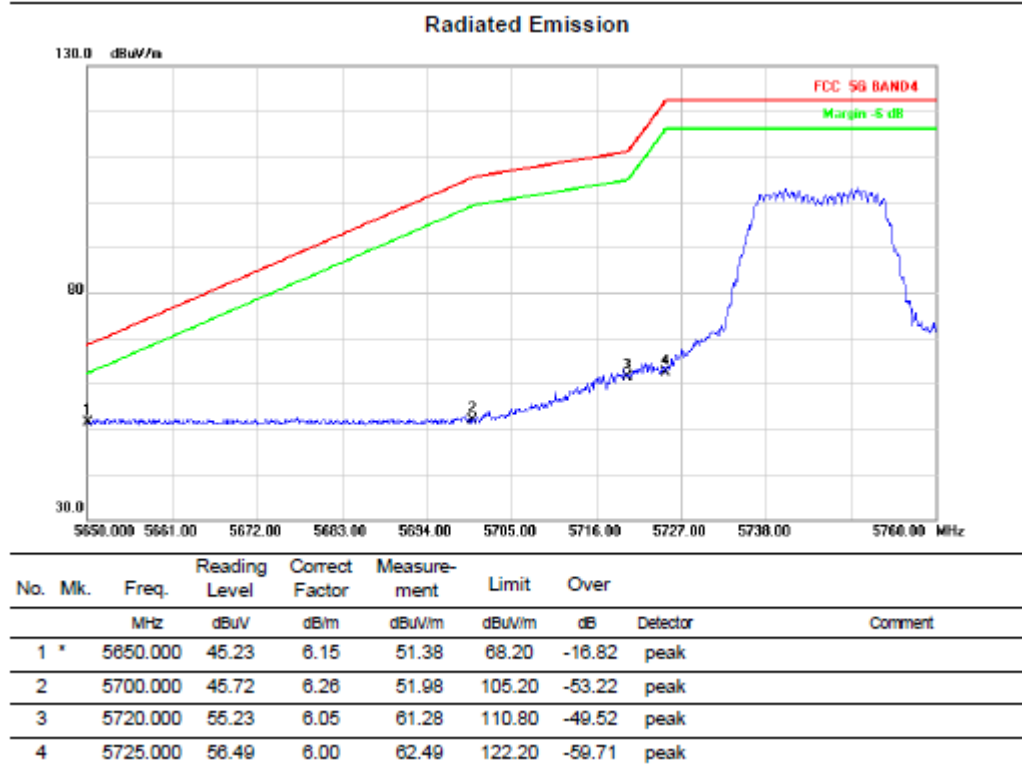
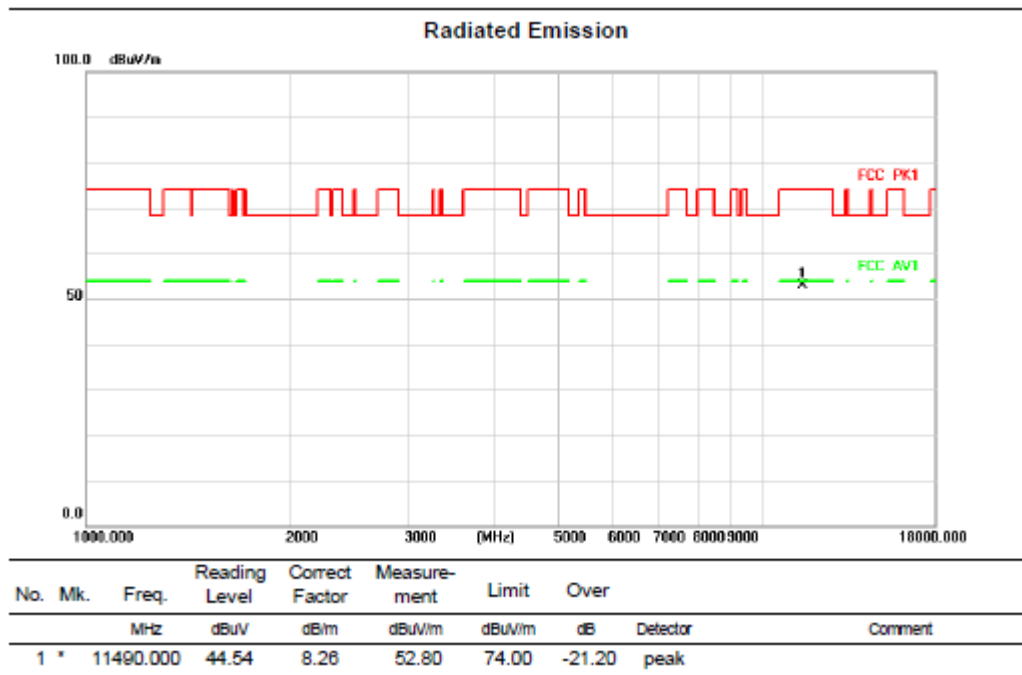


Above 1GHz (1GHz~18GHz)

Test mode: 11AC20

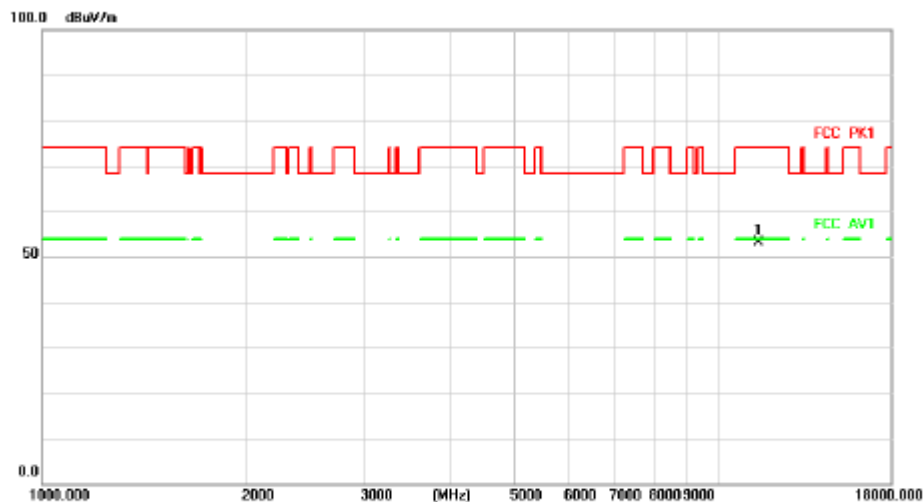
Test Channel:149

VERTICAL



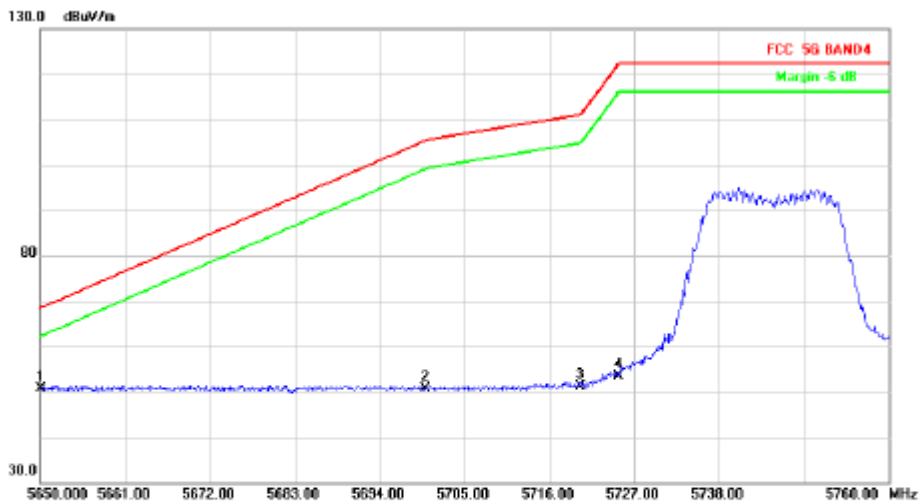
HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dBm	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11490.000	44.91	8.26	53.17	74.00	-20.83	peak	

Radiated Emission



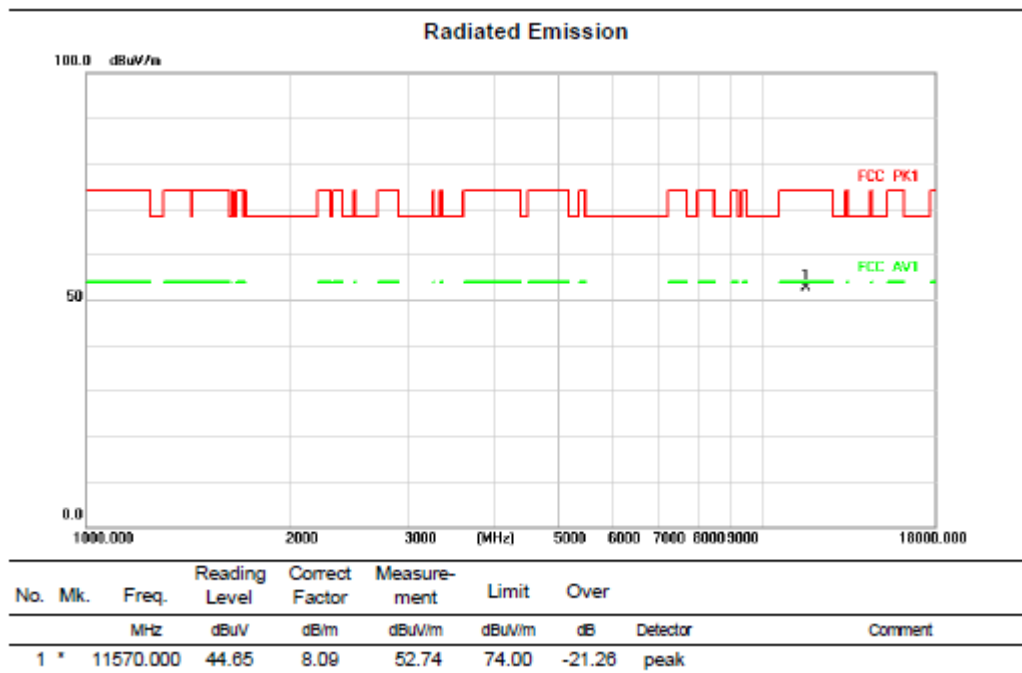
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dBm	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5650.000	44.36	6.15	50.51	68.20	-17.69	peak	
2		5700.000	44.43	6.26	50.69	105.20	-54.51	peak	
3		5720.000	44.97	6.05	51.02	110.80	-59.78	peak	
4		5725.000	47.36	6.00	53.36	122.20	-68.84	peak	

Above 1GHz (1GHz~18GHz)

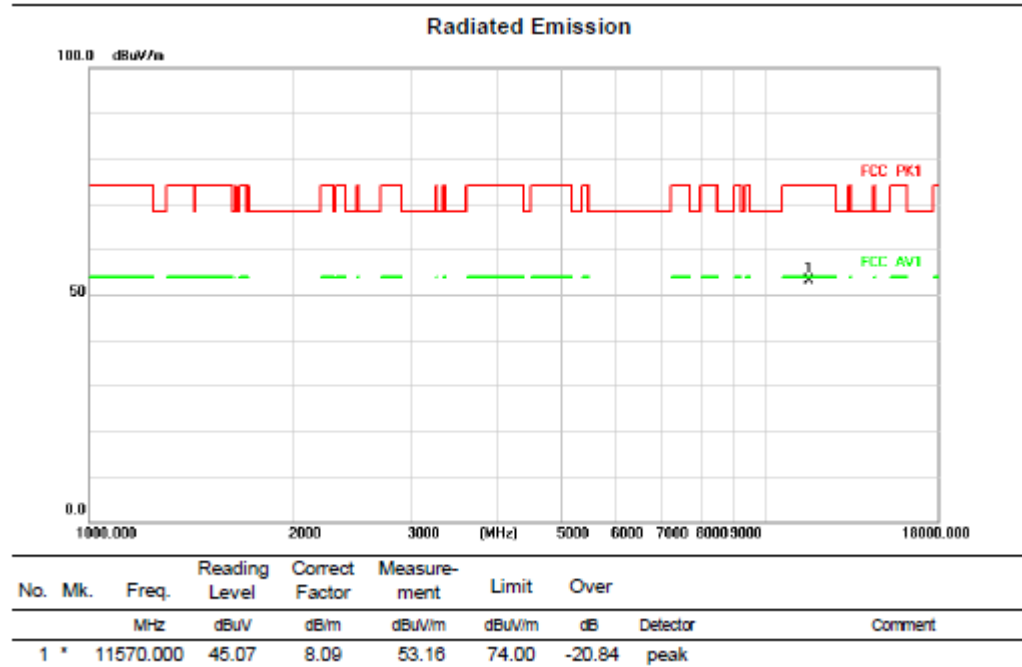
Test mode: 11AC20

Test Channel:157

VERTICAL



HORIZONTAL

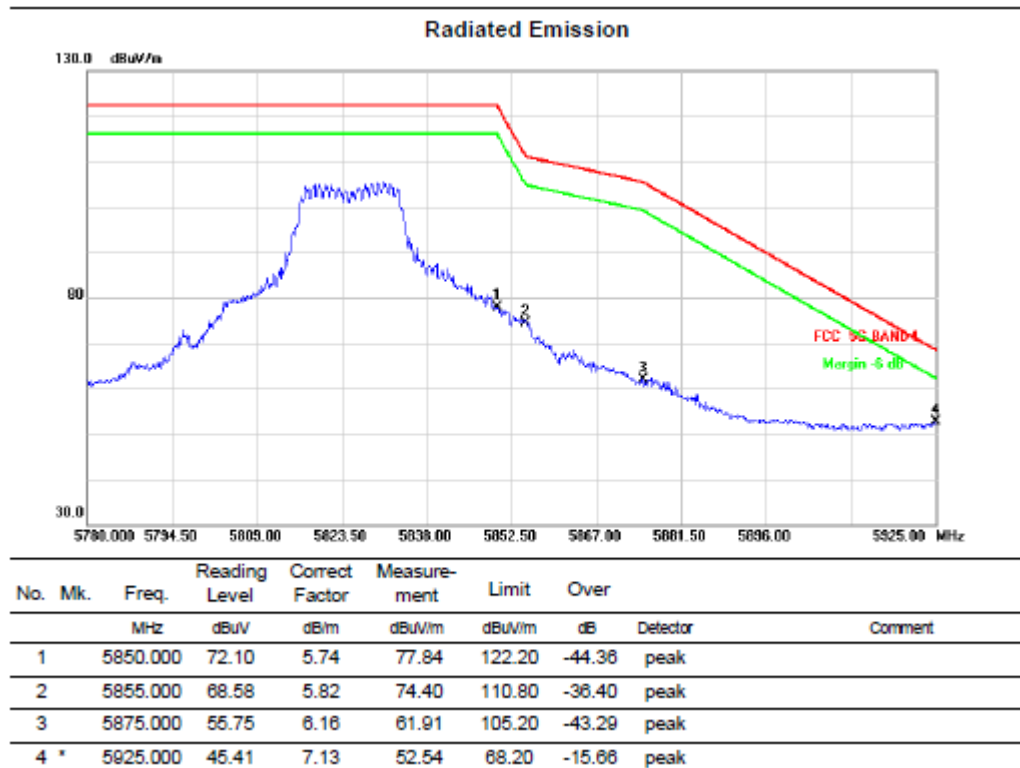
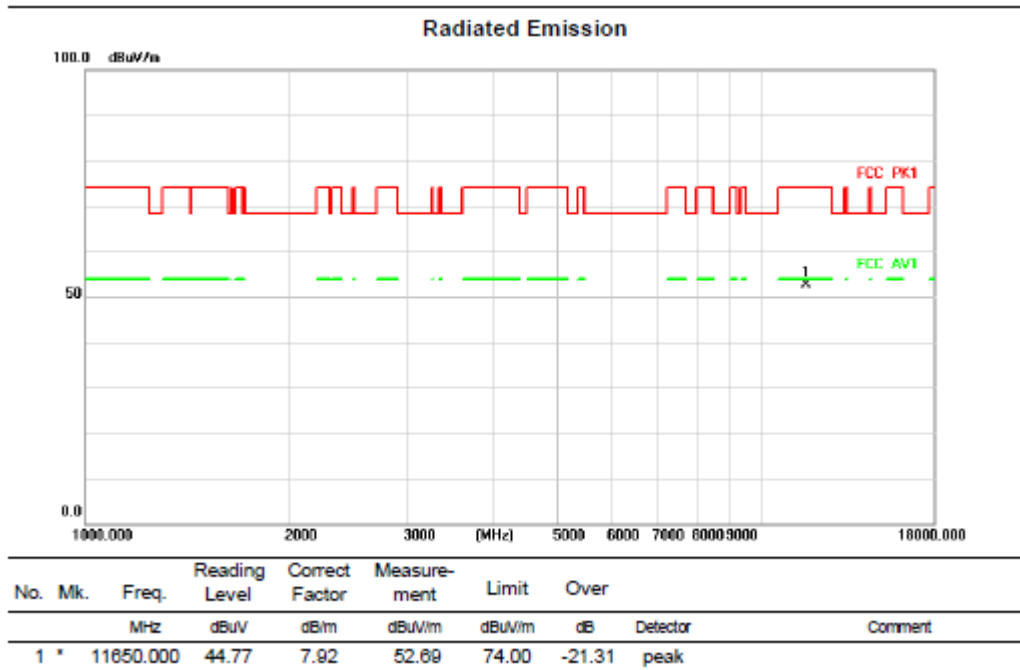


Above 1GHz (1GHz~18GHz)

Test mode: 11AC20

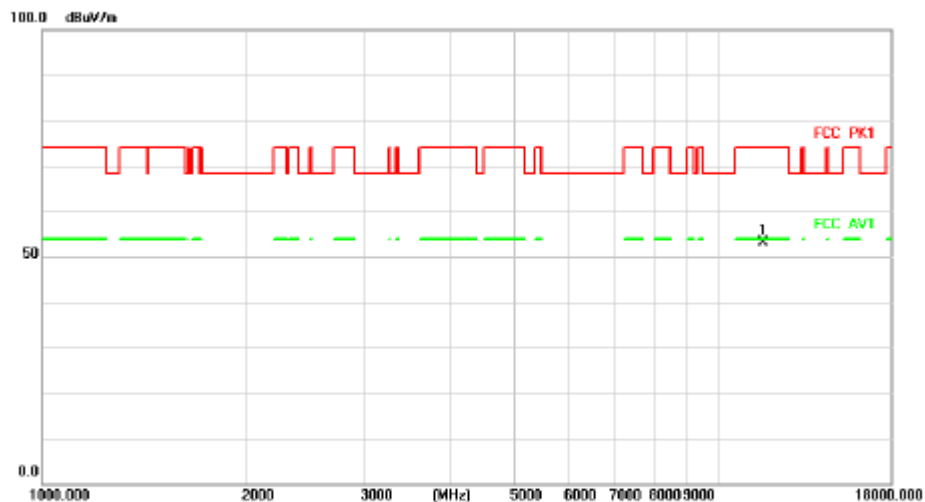
Test Channel:165

VERTICAL



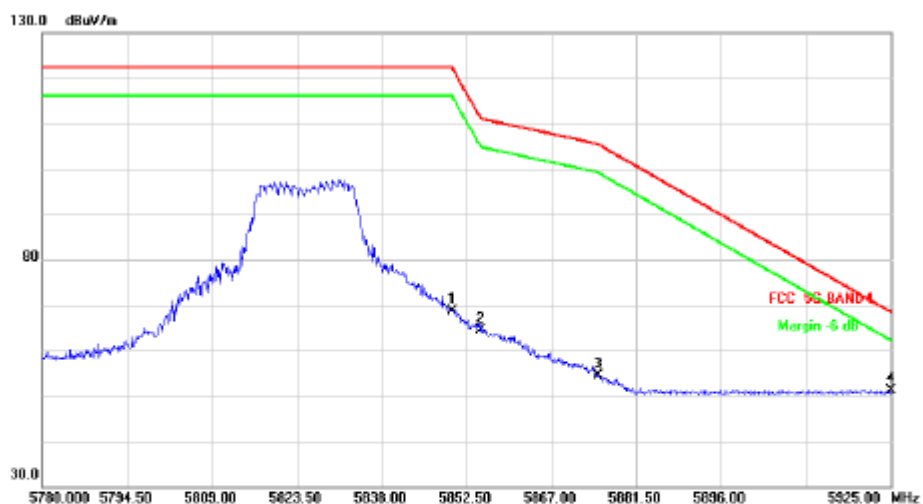
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dBm	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11650.000	45.32	7.92	53.24	74.00	-20.76	peak	

Radiated Emission



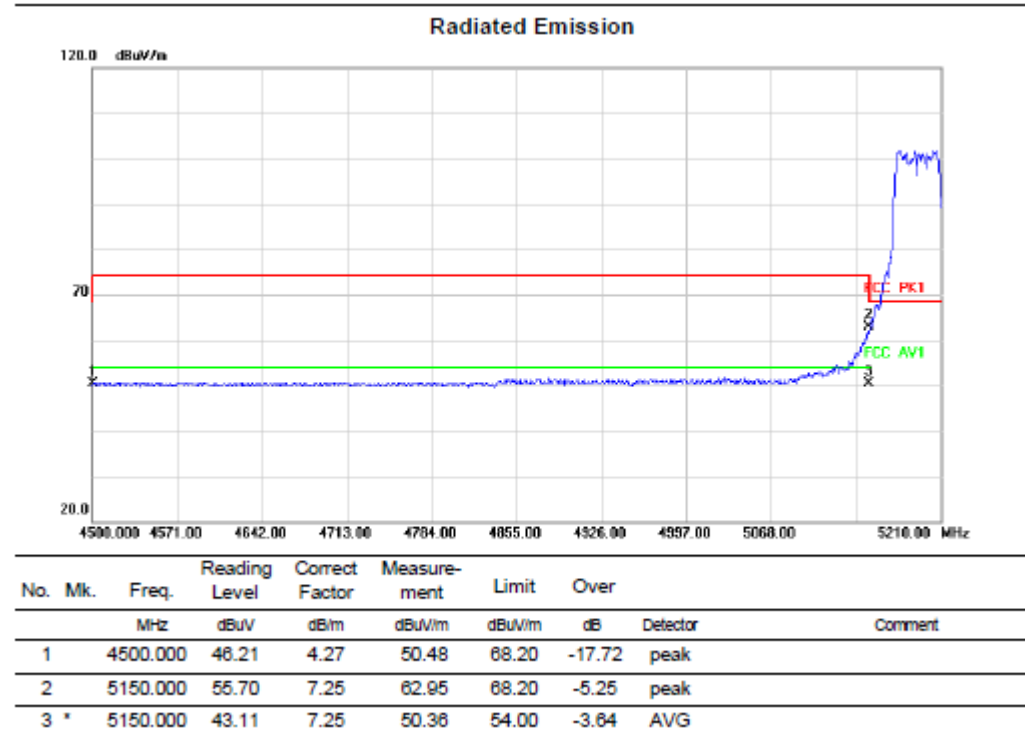
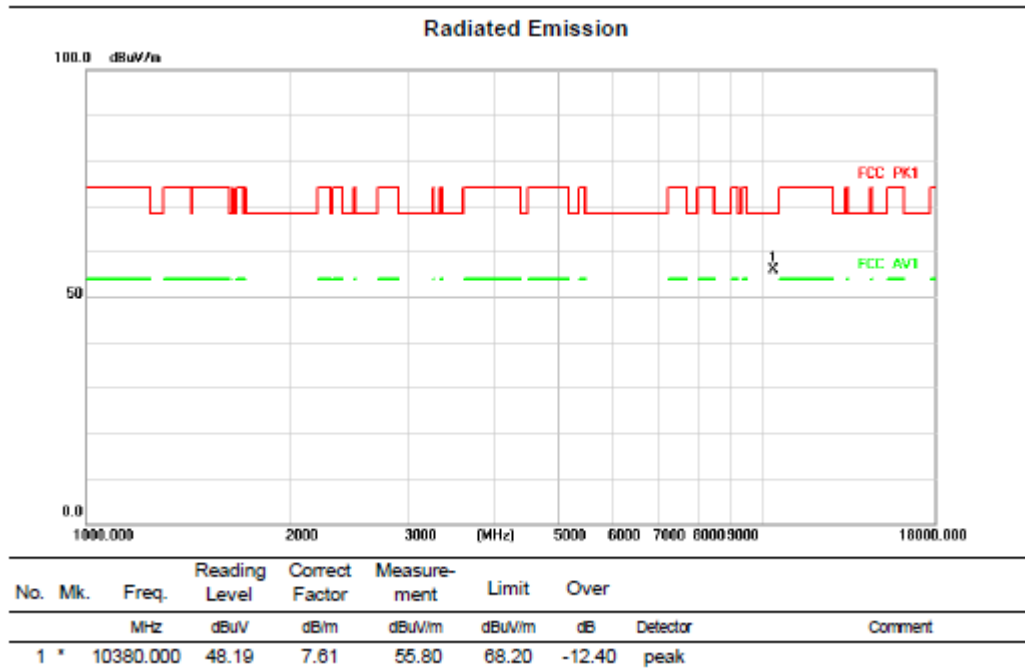
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dBm	dBuV/m	dBuV/m	dB	Detector	Comment
1		5850.000	62.77	5.74	68.51	122.20	-53.69	peak	
2		5855.000	58.59	5.82	64.41	110.80	-46.39	peak	
3		5875.000	48.12	6.16	54.28	105.20	-50.92	peak	
4	*	5925.000	44.04	7.13	51.17	68.20	-17.03	peak	

Above 1GHz (1GHz~18GHz)

Test mode: 11AC40

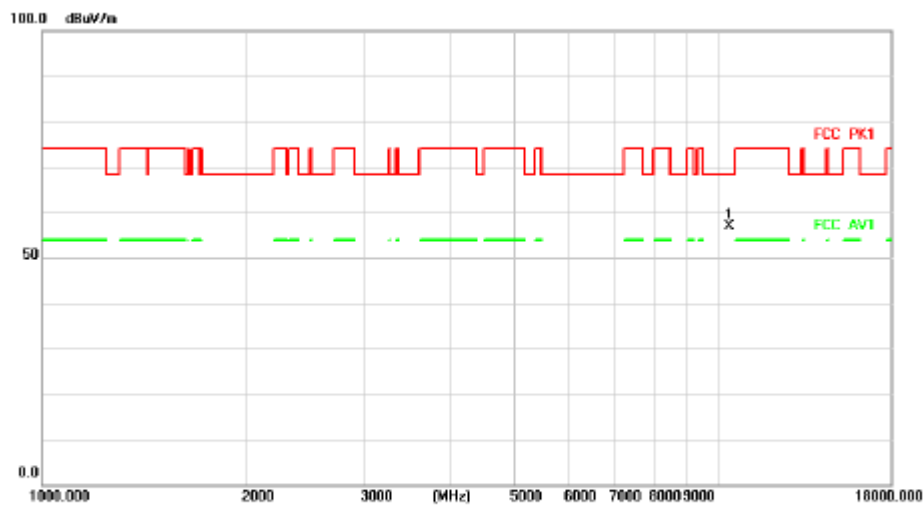
Test Channel:38

VERTICAL



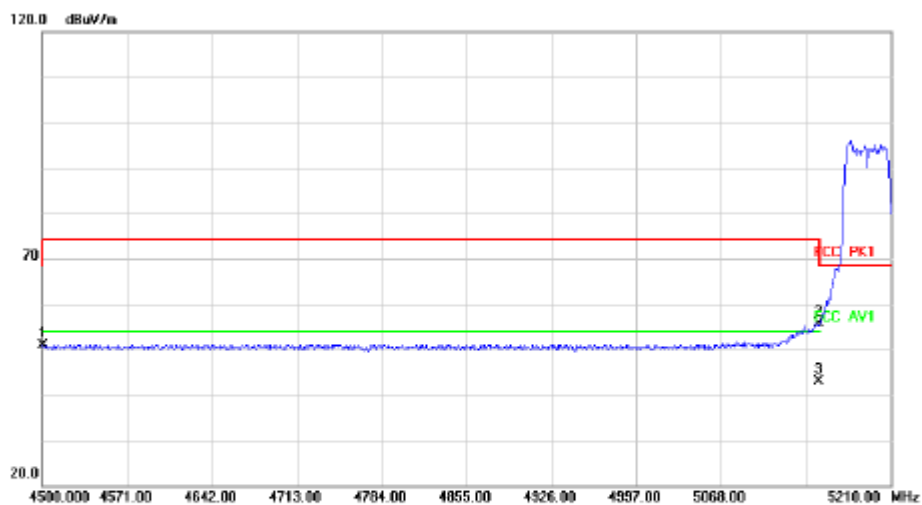
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dBm	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10380.000	49.38	7.61	56.99	68.20	-11.21	peak	

Radiated Emission



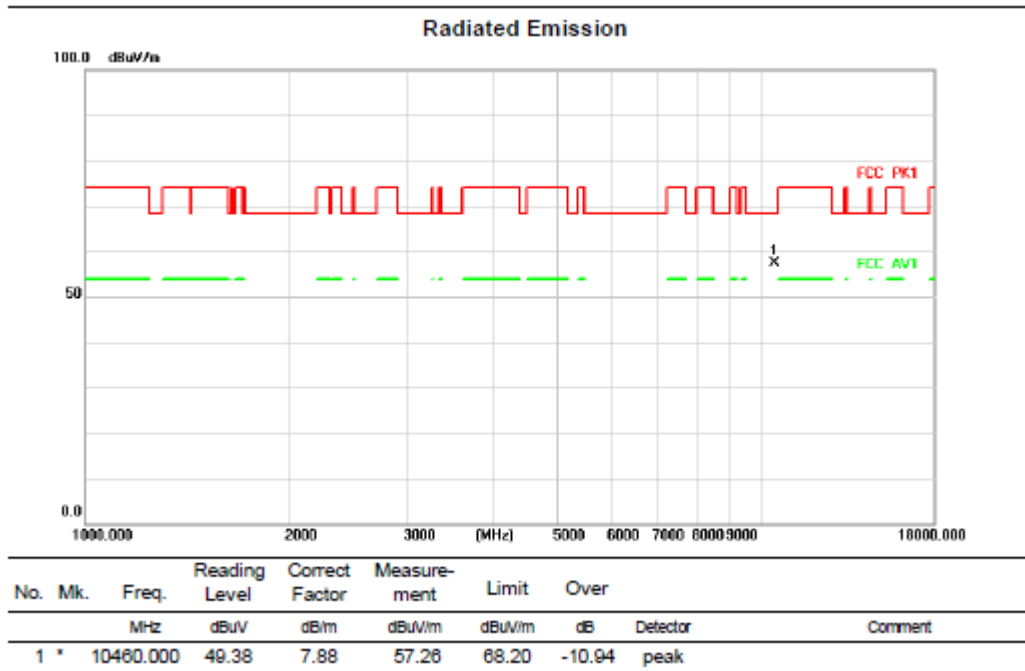
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dBm	dBuV/m	dBuV/m	dB	Detector	Comment
1		4500.000	46.72	4.27	50.99	68.20	-17.21	peak	
2		5150.000	48.36	7.25	55.61	68.20	-12.59	peak	
3	*	5150.000	35.61	7.25	42.86	54.00	-11.14	AVG	

Above 1GHz (1GHz~18GHz)

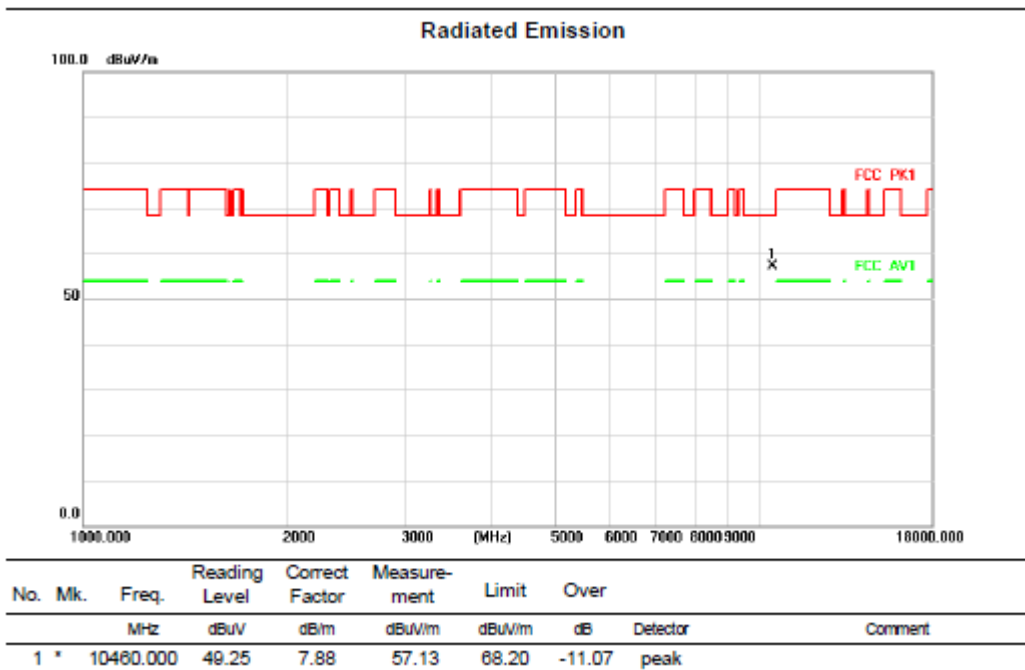
Test mode: 11AC40

Test Channel:46

VERTICAL



HORIZONTAL

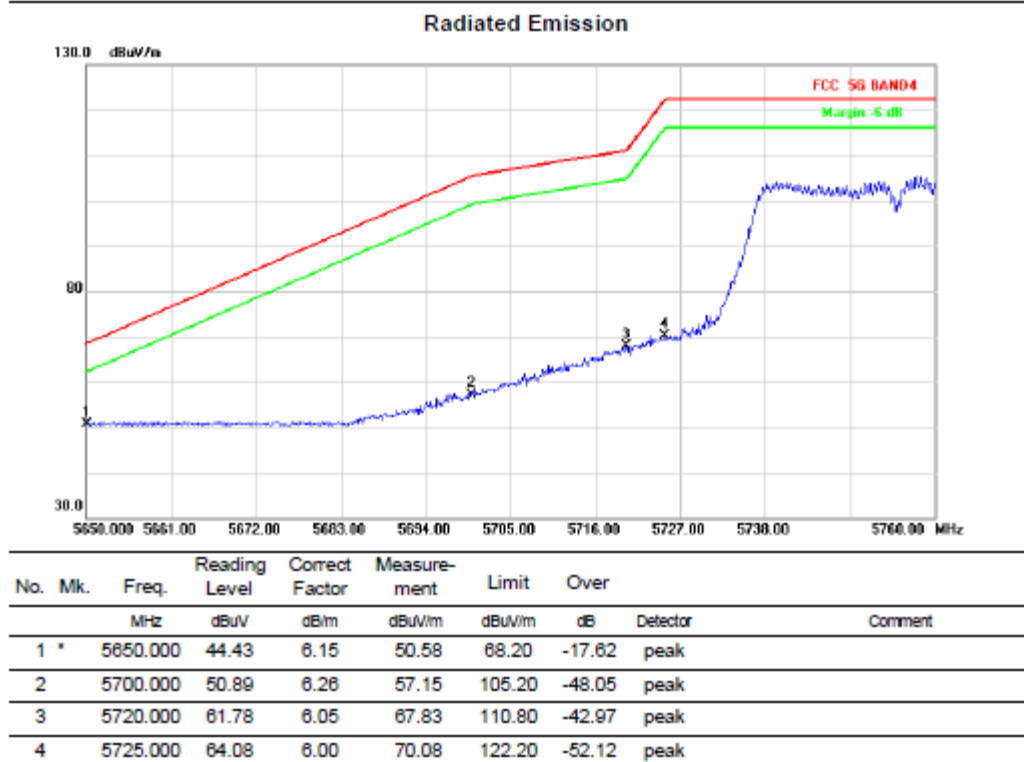
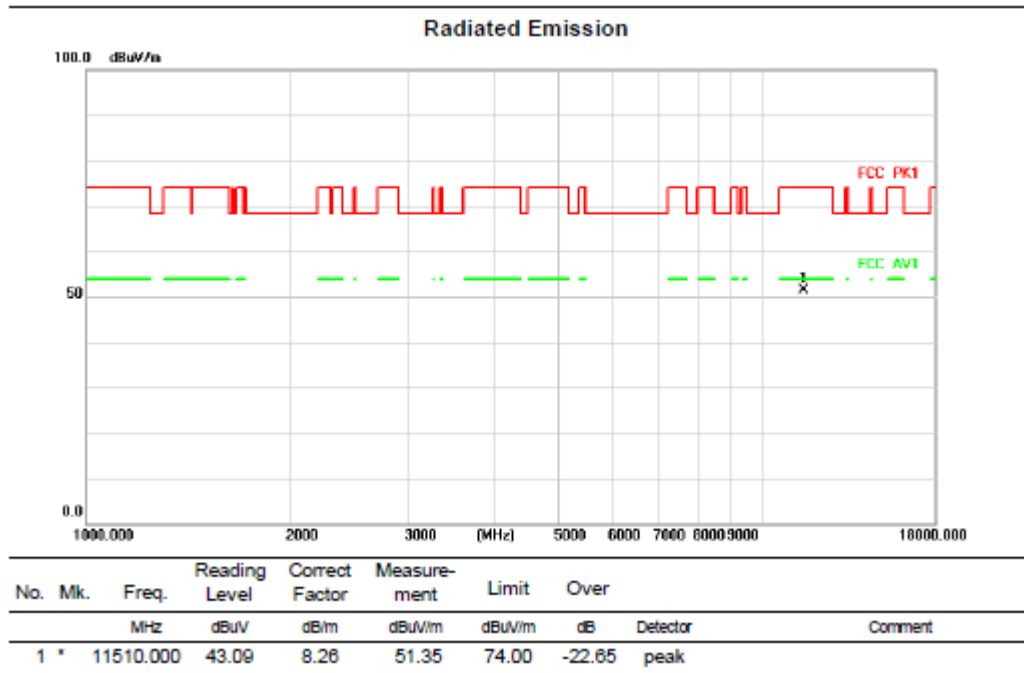


Above 1GHz (1GHz~18GHz)

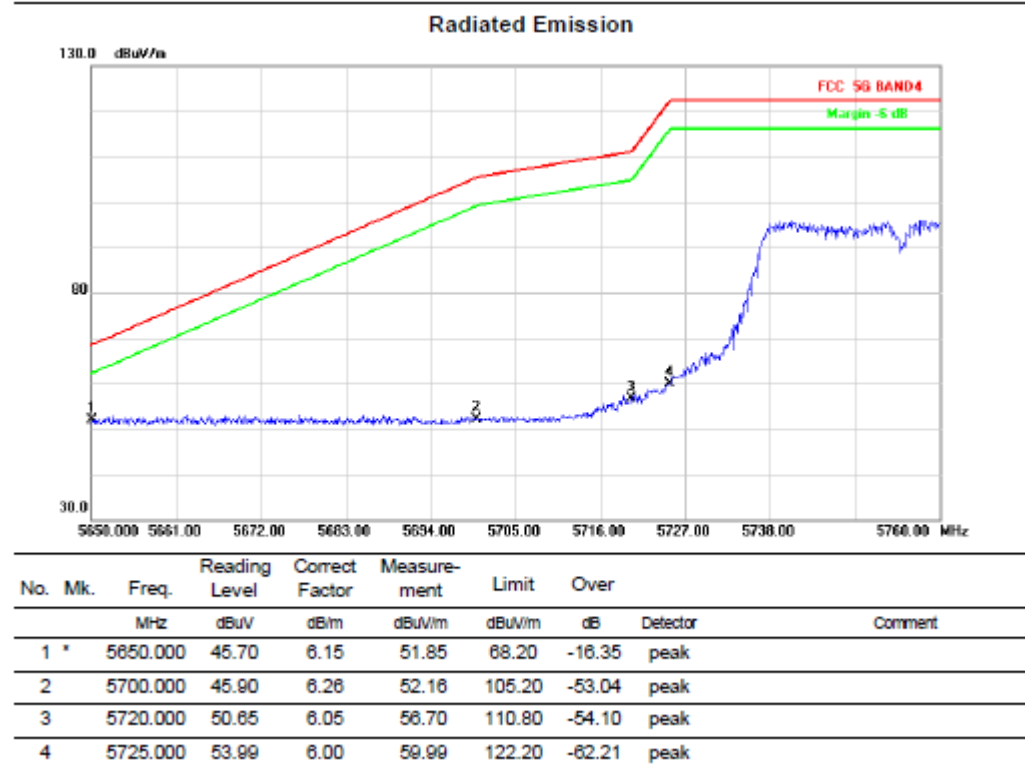
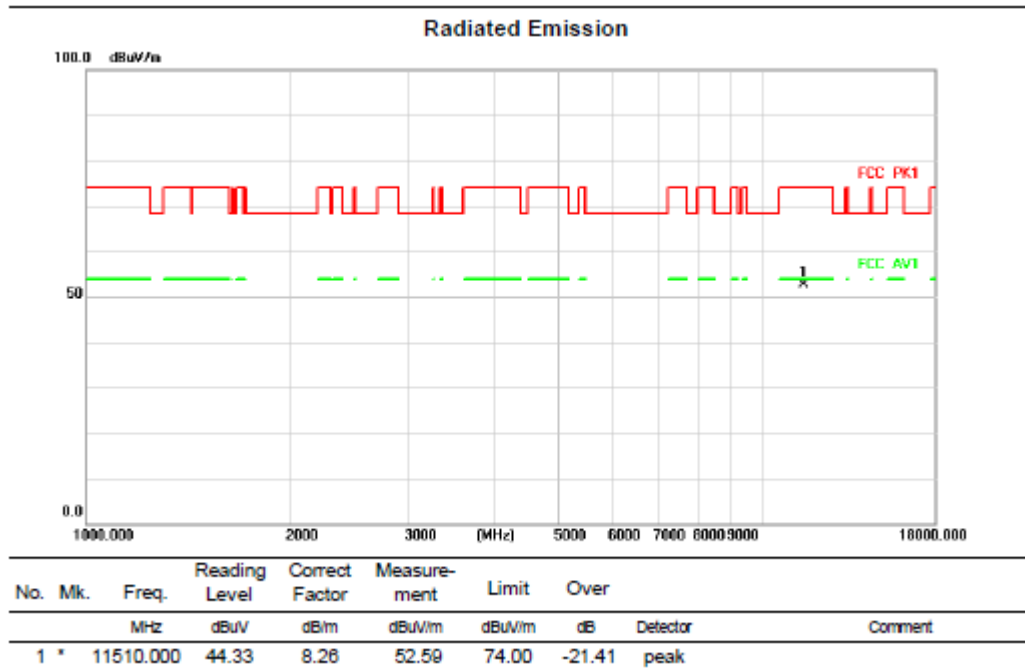
Test mode: 11AC40

Test Channel:151

VERTICAL



HORIZONTAL

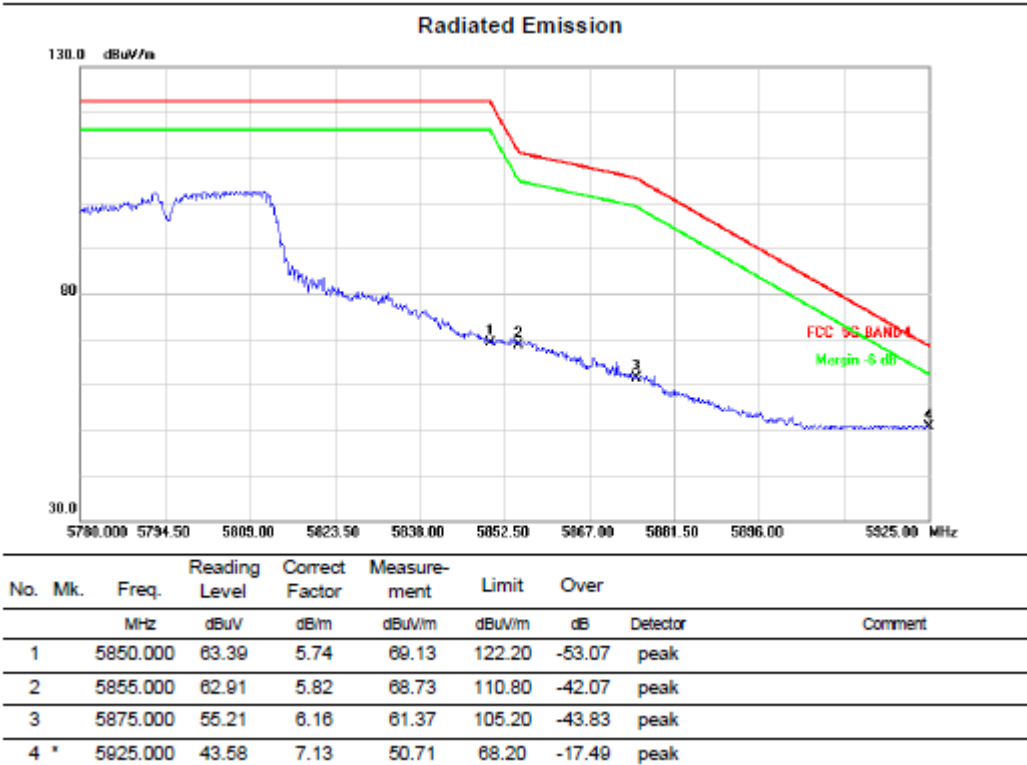
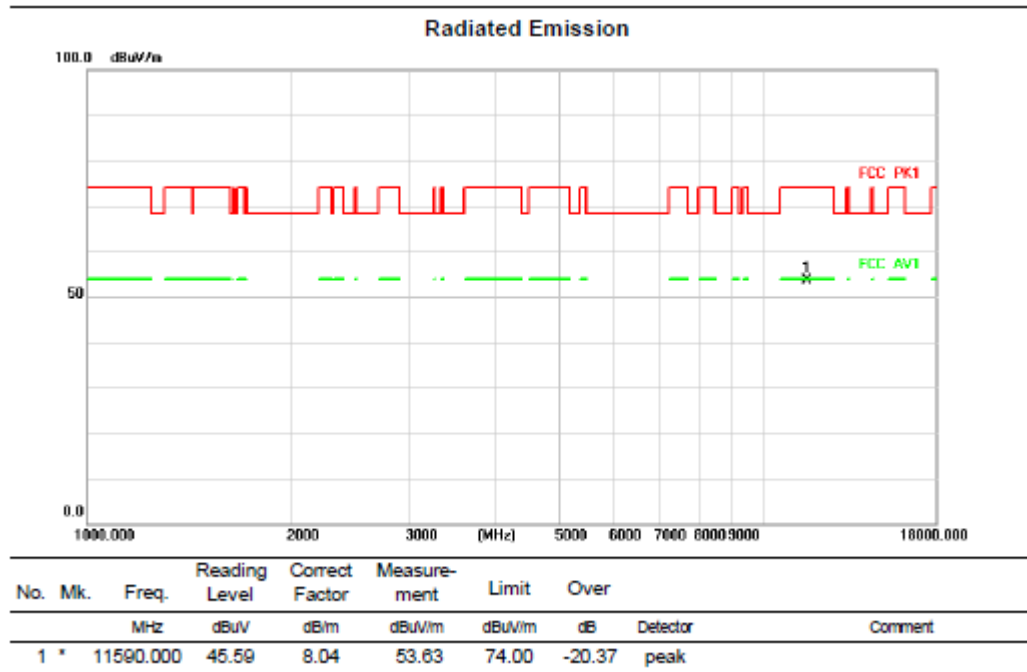


Above 1GHz (1GHz~18GHz)

Test mode: 11AC40

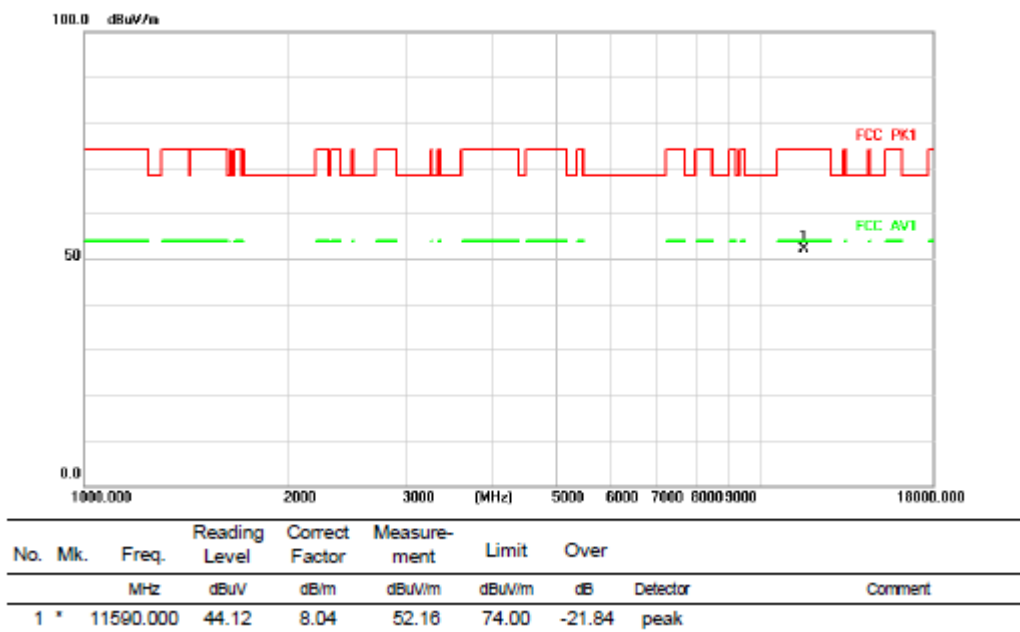
Test Channel:159

VERTICAL

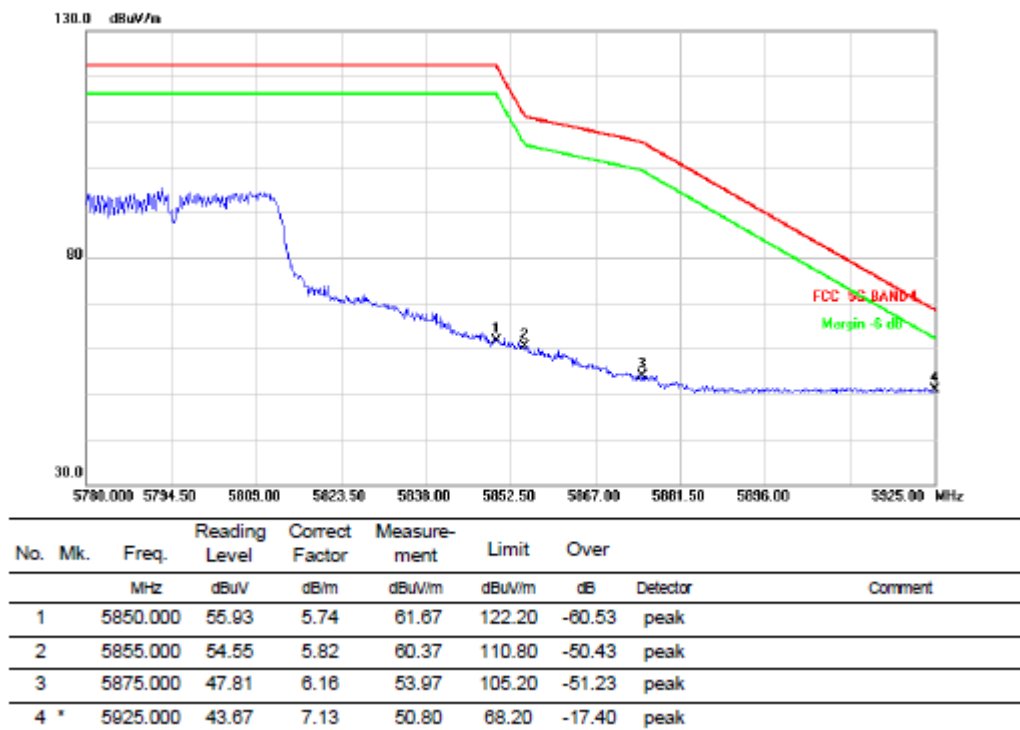


HORIZONTALA

Radiated Emission



Radiated Emission

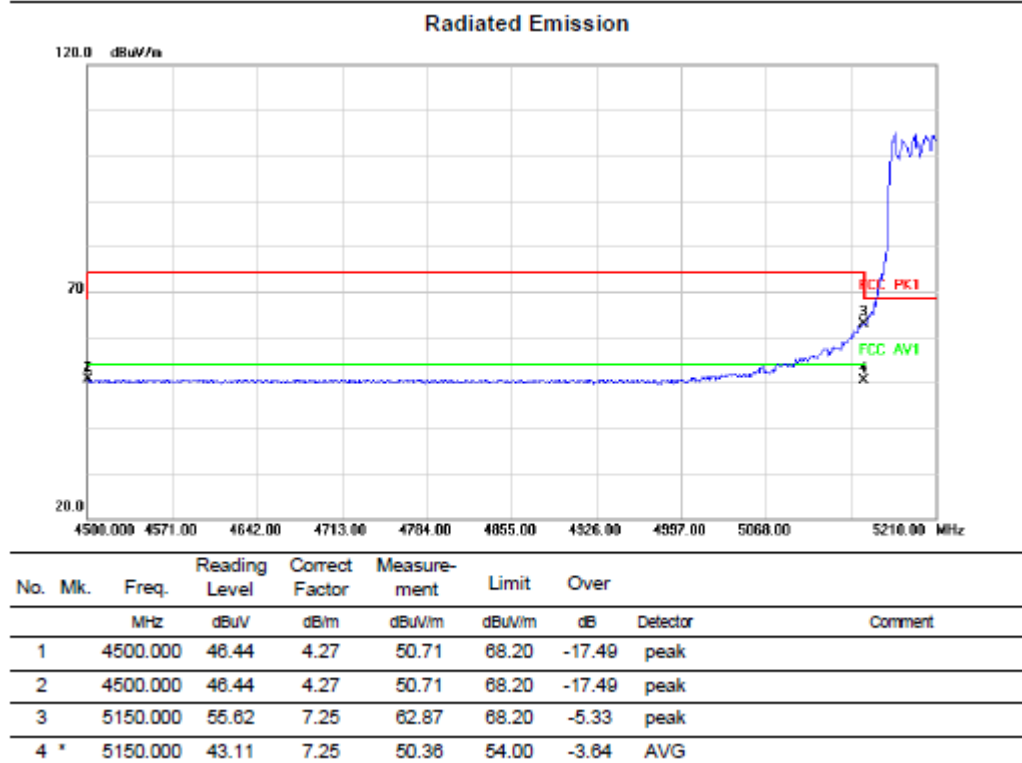
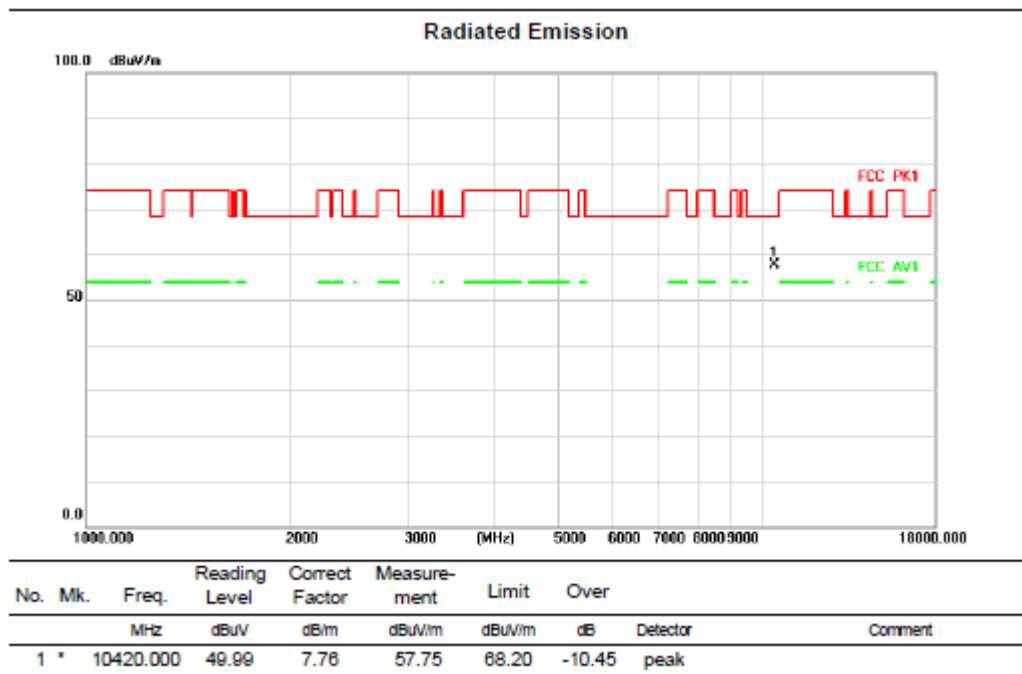


Above 1GHz (1GHz~18GHz)

Test mode: 11AC80

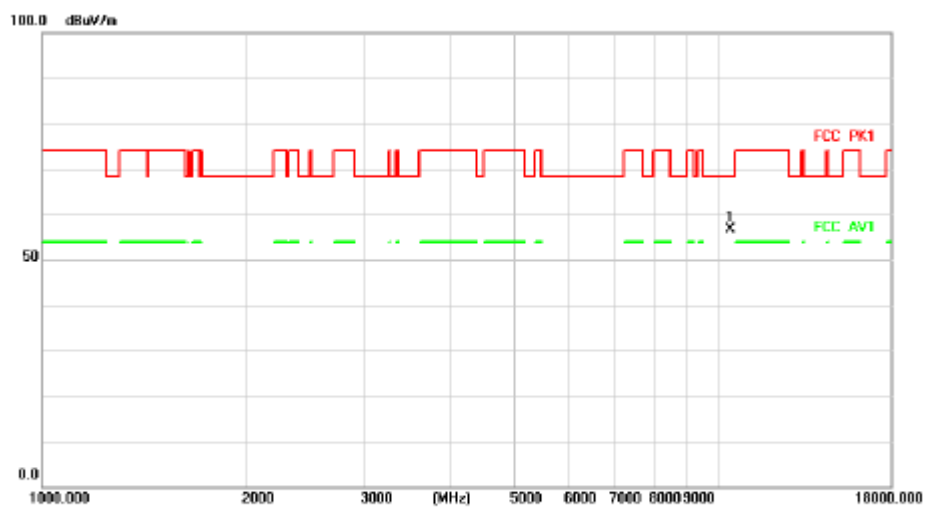
Test Channel:42

VERTICAL



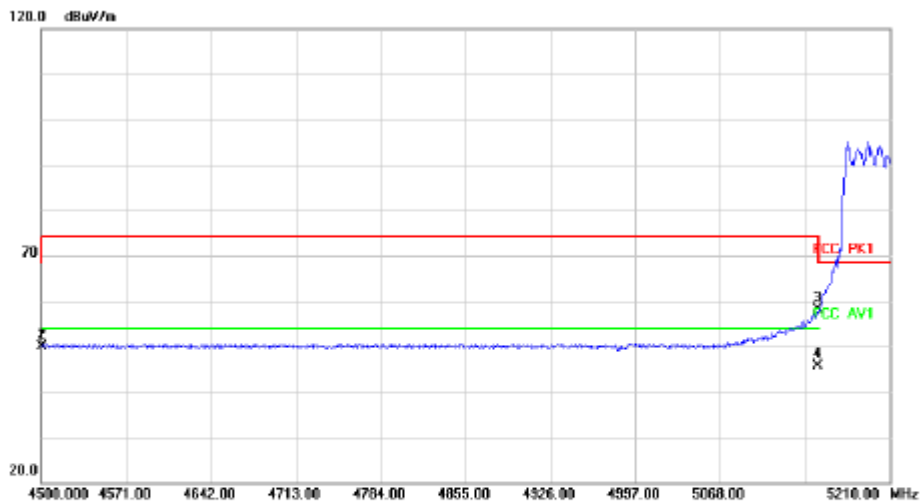
HORIZONTAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dBm	dBuV/m	dBuV/m	dB		
1	*	10420.000	48.96	7.76	56.72	68.20	-11.48	peak	

Radiated Emission



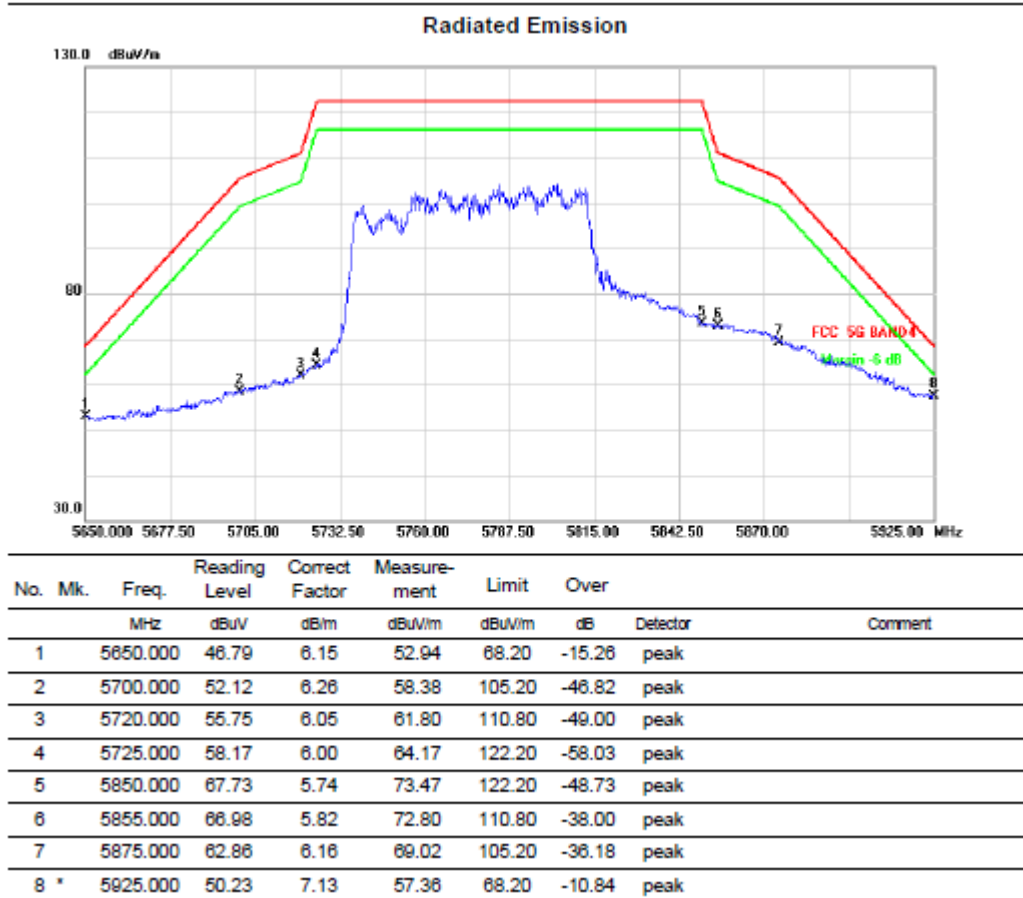
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dBm	dBuV/m	dBuV/m	dB		
1		4500.000	45.64	4.27	49.91	68.20	-18.29	peak	
2		4500.000	45.64	4.27	49.91	68.20	-18.29	peak	
3		5150.000	50.90	7.25	58.15	68.20	-10.05	peak	
4	*	5150.000	38.33	7.25	45.58	54.00	-8.42	AVG	

Above 1GHz (1GHz~18GHz)

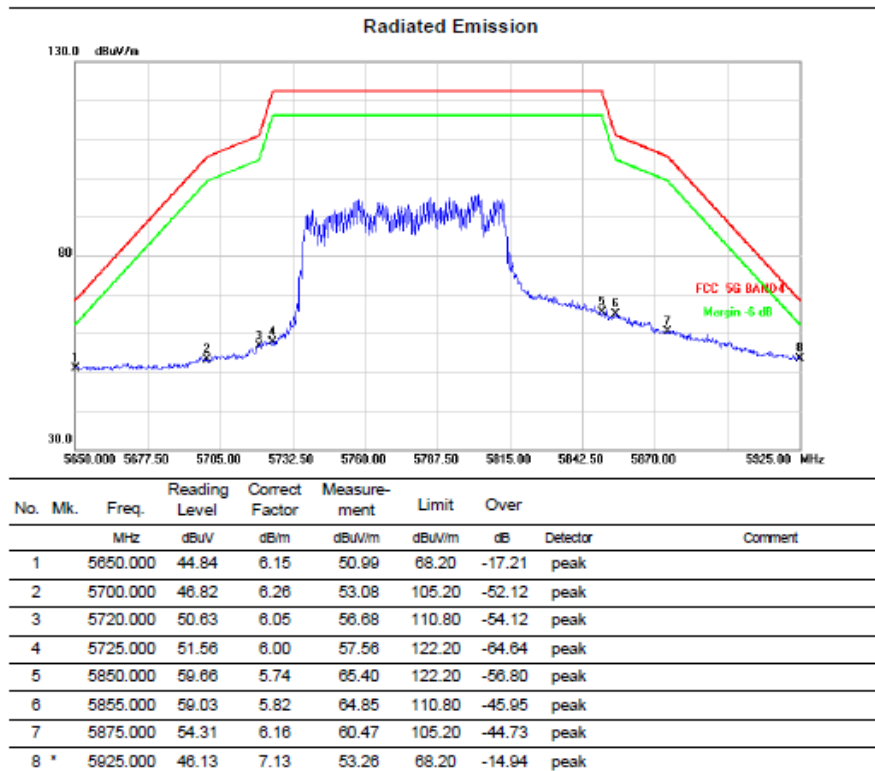
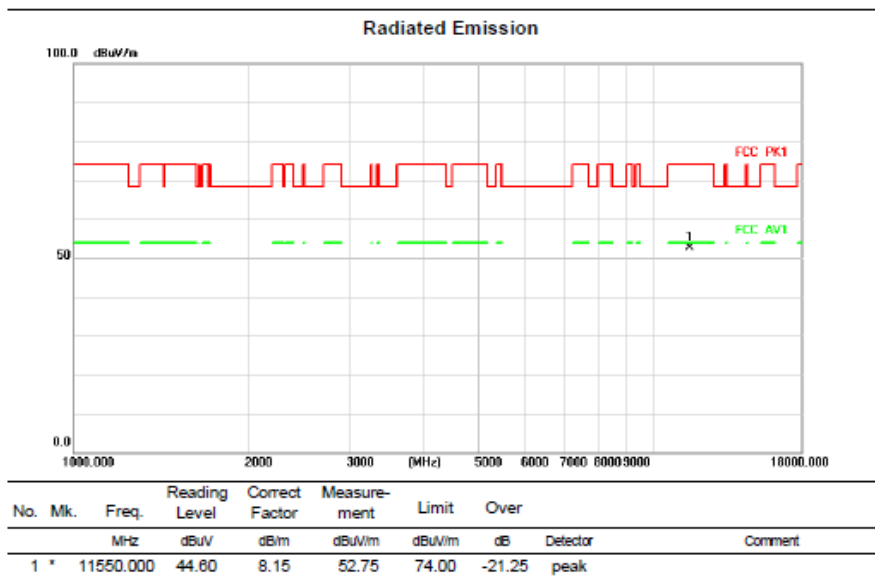
Test mode: 11AC80

Test Channel:155

VERTICAL



HORIZONTALA



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
	26 dB Bandwidth	-	5470-5725
15.407(e)	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 tonscend 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

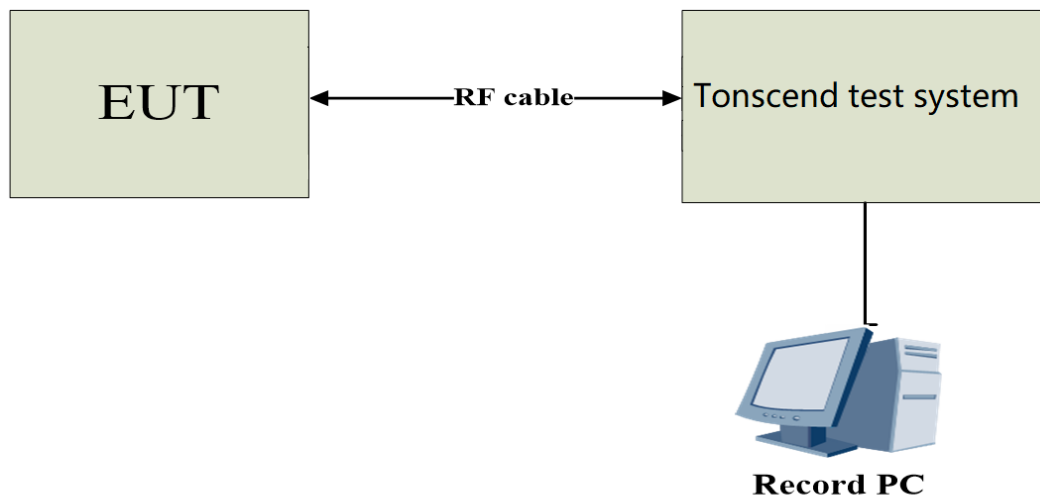
Centre Frequency	The centre frequency of the channel under test
RBW	≥1% x Nominal Channel Bandwidth
VBW	≥3 x RBW
Frequency span	2 x Nominal Channel Bandwidth
Detector Mode	Peak
Trace Mode	Max Hold
Sweep Time	Auto Couple

For 6 dB Bandwidth

Centre Frequency	The centre frequency of the channel under test
RBW	100 kHz
VBW	300 kHz
Frequency span	2 x 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

26 dB Bandwidth

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.280	5169.960	5190.240	---	---
11A	Ant1	5200	20.680	5189.560	5210.240	---	---
11A	Ant1	5240	20.200	5229.960	5250.160	---	---
11A	Ant1	5745	20.040	5734.960	5755.000	---	---
11A	Ant1	5785	19.720	5775.040	5794.760	---	---
11A	Ant1	5825	20.240	5814.760	5835.000	---	---
11N20SISO	Ant1	5180	20.640	5169.640	5190.280	---	---
11N20SISO	Ant1	5200	20.520	5189.880	5210.400	---	---
11N20SISO	Ant1	5240	20.640	5229.760	5250.400	---	---
11N20SISO	Ant1	5745	20.440	5734.760	5755.200	---	---
11N20SISO	Ant1	5785	20.840	5774.440	5795.280	---	---
11N20SISO	Ant1	5825	20.640	5814.560	5835.200	---	---
11N40SISO	Ant1	5190	40.960	5169.600	5210.560	---	---
11N40SISO	Ant1	5230	41.280	5209.040	5250.320	---	---
11N40SISO	Ant1	5755	41.440	5734.600	5776.040	---	---
11N40SISO	Ant1	5795	40.480	5774.840	5815.320	---	---
11AC20SISO	Ant1	5180	21.080	5169.400	5190.480	---	---
11AC20SISO	Ant1	5200	20.560	5189.520	5210.080	---	---
11AC20SISO	Ant1	5240	20.720	5229.400	5250.120	---	---
11AC20SISO	Ant1	5745	20.320	5734.840	5755.160	---	---
11AC20SISO	Ant1	5785	20.600	5774.520	5795.120	---	---
11AC20SISO	Ant1	5825	20.160	5814.840	5835.000	---	---
11AC40SISO	Ant1	5190	41.040	5169.520	5210.560	---	---
11AC40SISO	Ant1	5230	40.800	5209.600	5250.400	---	---
11AC40SISO	Ant1	5755	40.560	5734.920	5775.480	---	---
11AC40SISO	Ant1	5795	40.720	5774.600	5815.320	---	---
11AC80SISO	Ant1	5210	81.760	5169.040	5250.800	---	---
11AC80SISO	Ant1	5775	81.440	5734.680	5816.120	---	---



11A-Ant1-5180



11A-Ant1-5200





11A-Ant1-5785



11A-Ant1-5825



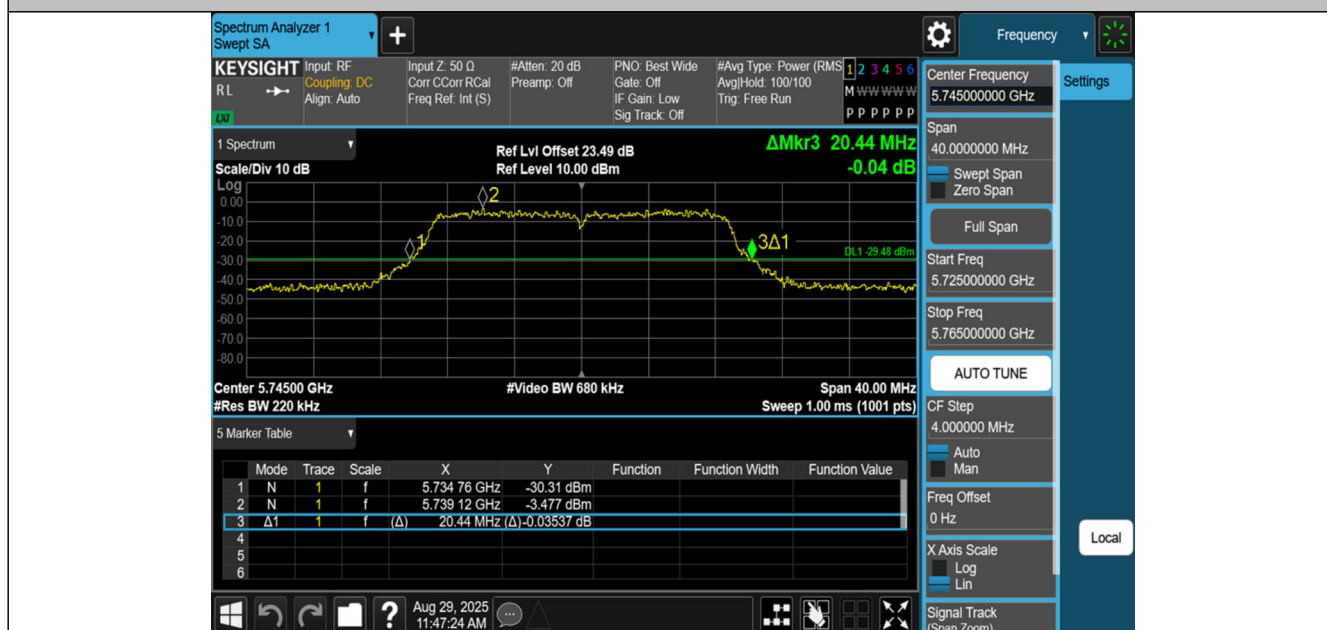
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11N20SISO-Ant1-5200



11N20SISO-Ant1-5240



11N20SISO-Ant1-5745



11N20SISO-Ant1-5785

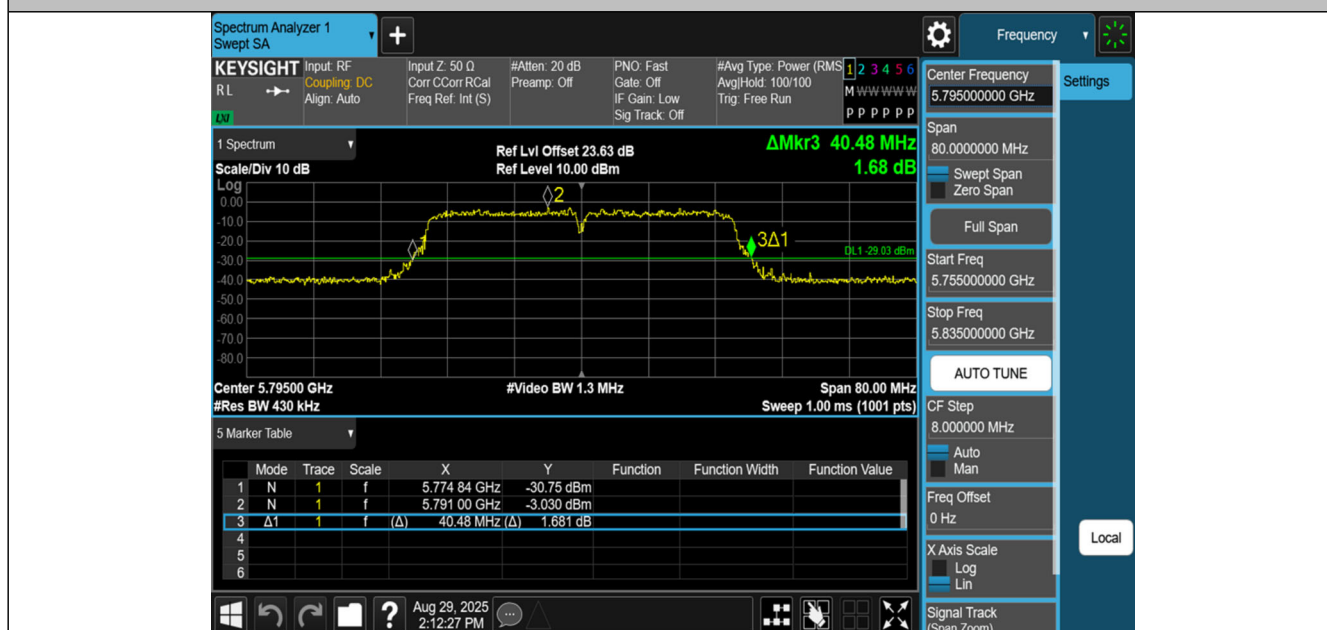


11N20SISO-Ant1-5825





11N40SISO-Ant1-5755



11N40SISO-Ant1-5795



11AC20SISO-Ant1-5180



11AC20SISO-Ant1-5200