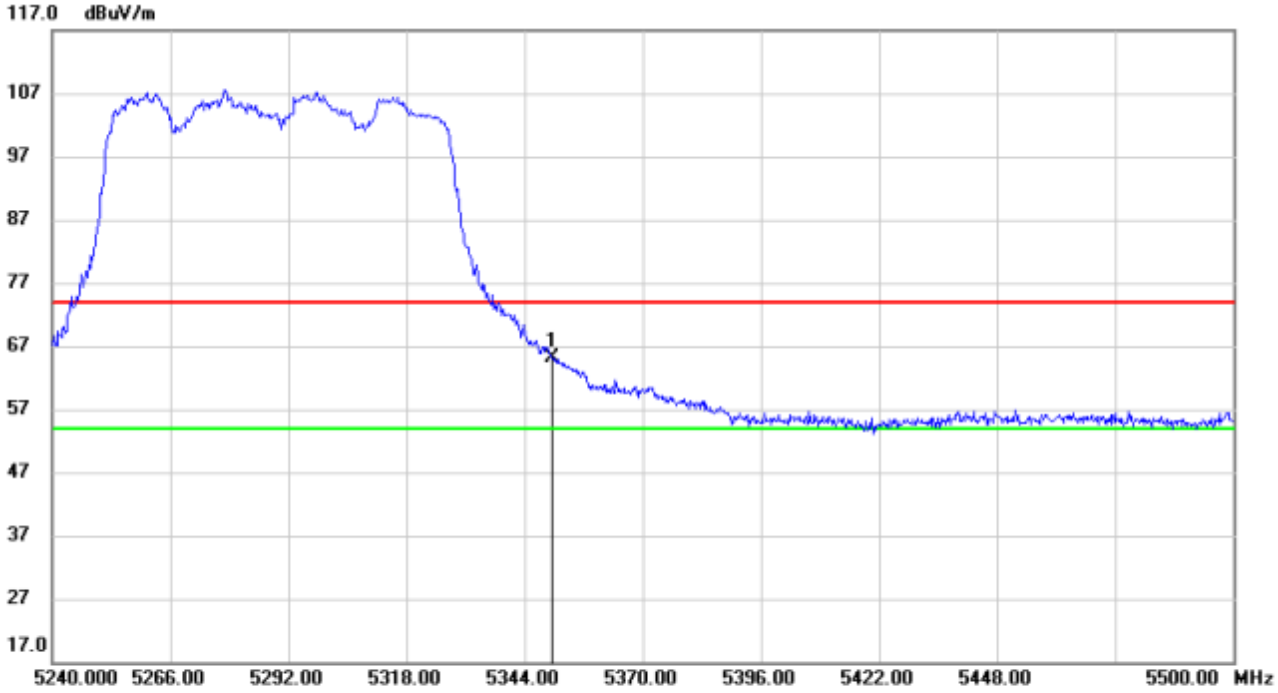
3TX Mode

RESTRICTED BANDEDGE LOW CHANNEL

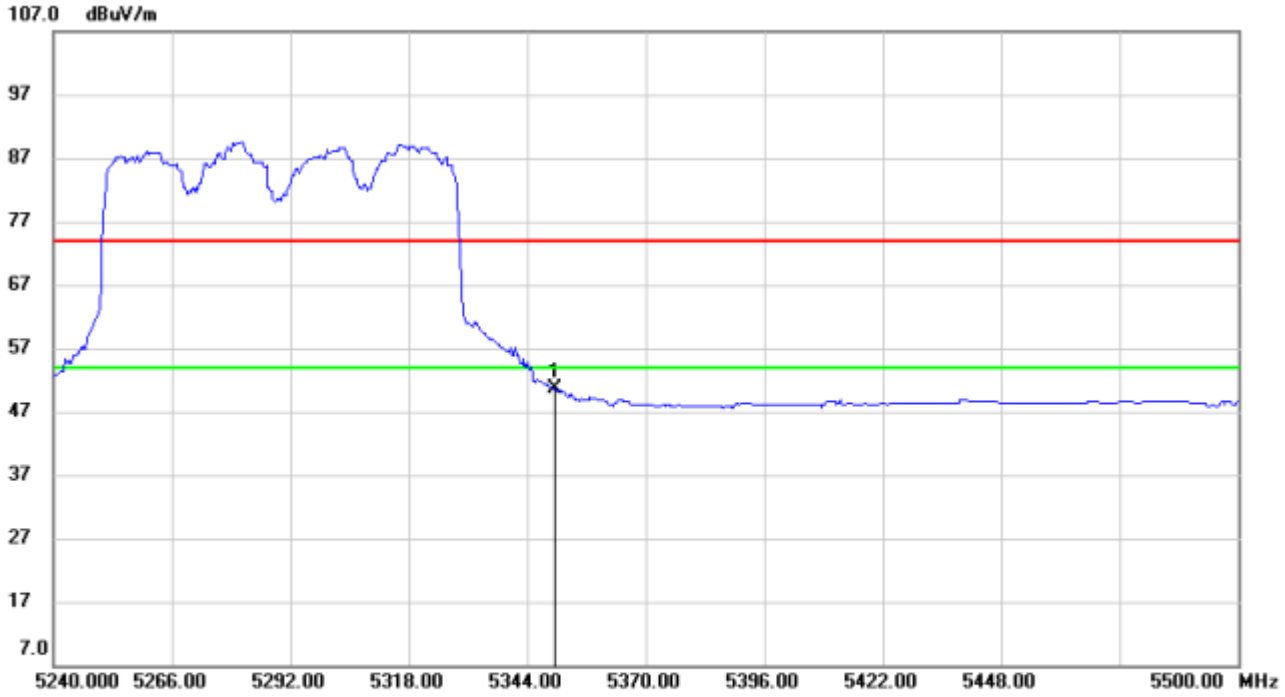
HORIZONTAL RESULTS
PEAK



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5350.000	24.57	40.44	65.01	74.00	-8.99	peak			

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

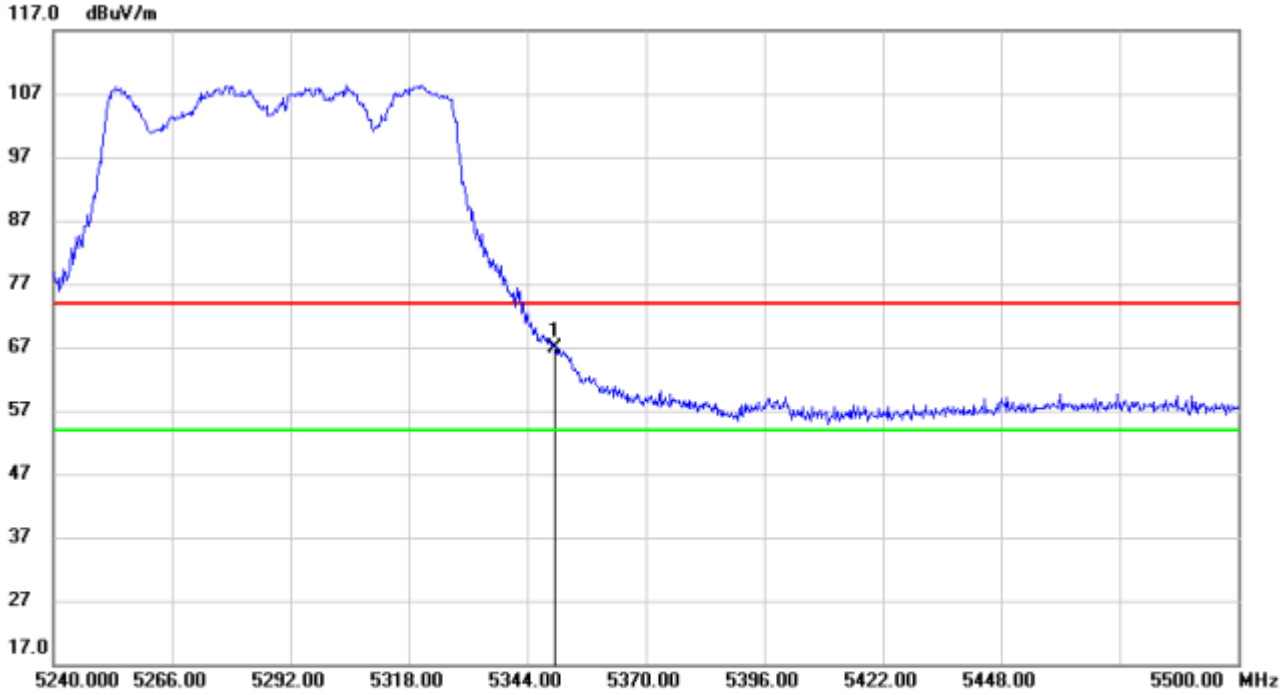
AVG



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5350.000	9.98	40.54	50.52	54.00	-3.48	AVG			

Note: 1. Measurement = Reading Level + Correct Factor
2. AVG: VBW=1/T, (For the value of 1/T, please refer to the table on page 18).
3. For duty cycle, please refer to clause 6.1.

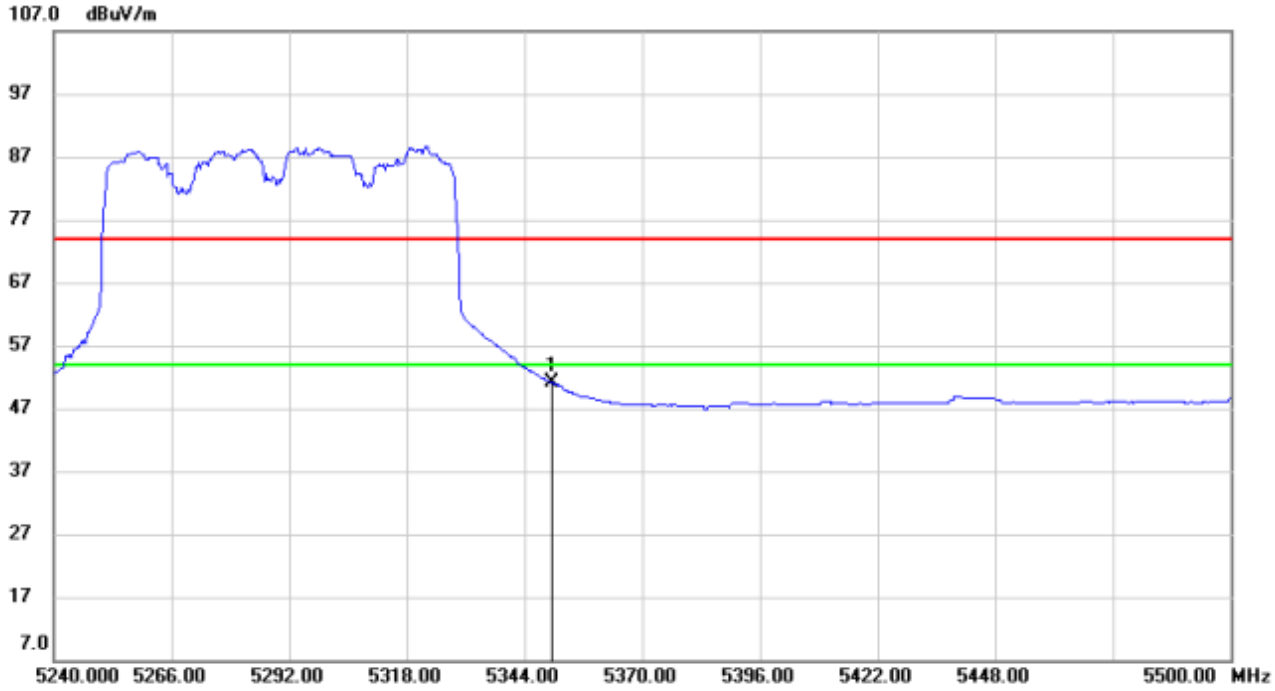
VERTICAL RESULTS
PEAK



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5350.000	26.30	40.54	66.84	74.00	-7.16	peak			

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG



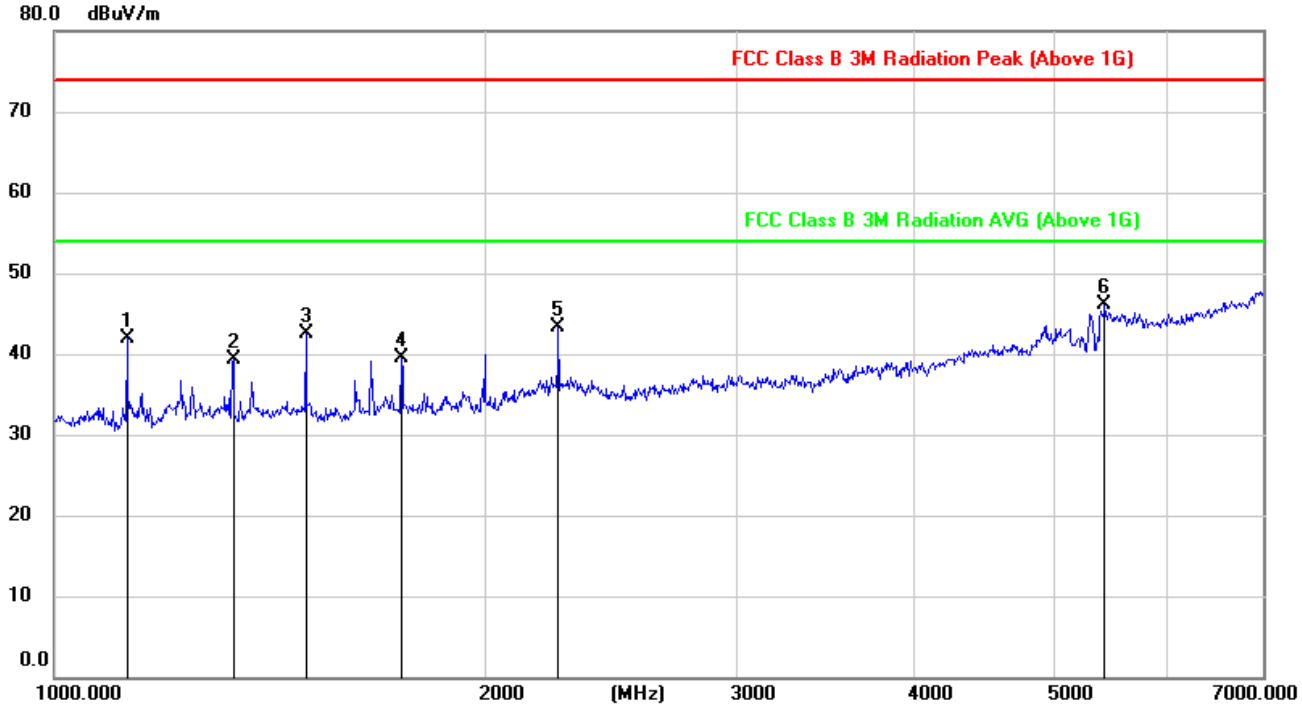
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5350.000	10.50	40.54	51.04	54.00	-2.96	AVG			

Note: 1. Measurement = Reading Level + Correct Factor
2. AVG: VBW=1/T, (For the value of 1/T, please refer to the table on page 18).
3. For duty cycle, please refer to clause 6.1.

3TX (WORST-CASE CONFIGURATION)

HARMONICS AND SPURIOUS EMISSIONS LOW CHANNEL

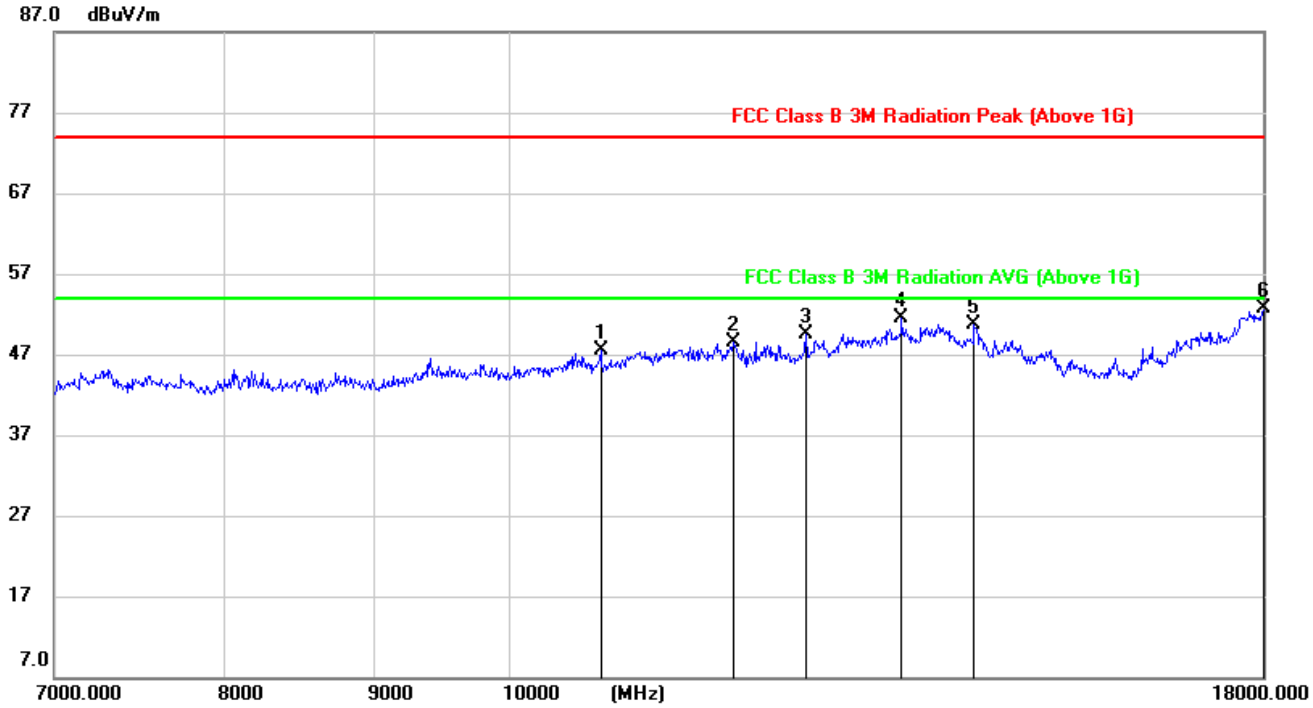
HORIZONTAL RESULTS
1-7GHz



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	1123.844	55.62	-13.79	41.83	74.00	-32.17	peak
2	1333.750	52.04	-12.72	39.32	74.00	-34.68	peak
3	1498.927	55.12	-12.61	42.51	74.00	-31.49	peak
4	1751.412	51.32	-11.89	39.43	74.00	-34.57	peak
5	2251.158	51.67	-8.36	43.31	74.00	-30.69	peak
6	5435.447	45.46	0.57	46.03	74.00	-27.97	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

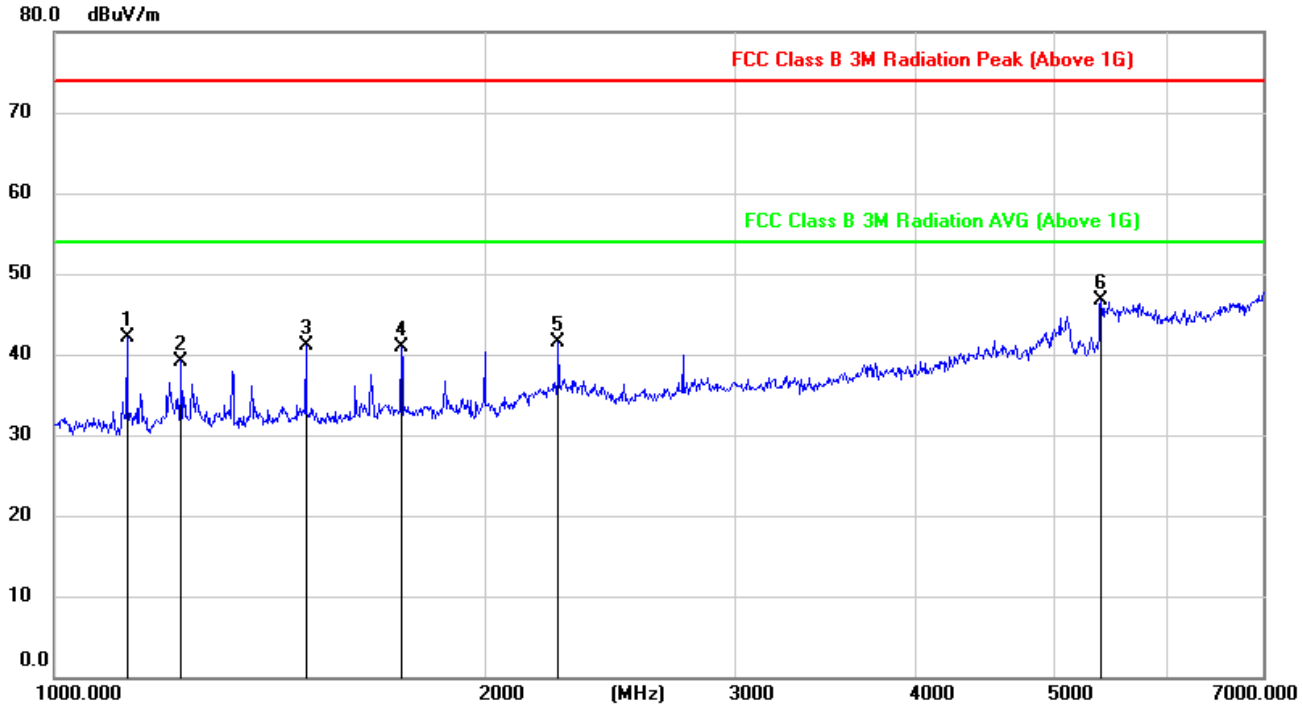
HORIZONTAL RESULTS
7-18GHz



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10727.460	35.30	12.17	47.47	74.00	-26.53	peak
2	11901.894	33.33	15.22	48.55	74.00	-25.45	peak
3	12595.823	34.29	15.15	49.44	74.00	-24.56	peak
4	13584.402	32.94	18.47	51.41	74.00	-22.59	peak
5	14362.856	32.77	17.86	50.63	74.00	-23.37	peak
6	18000.000	27.95	24.81	52.76	74.00	-21.24	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

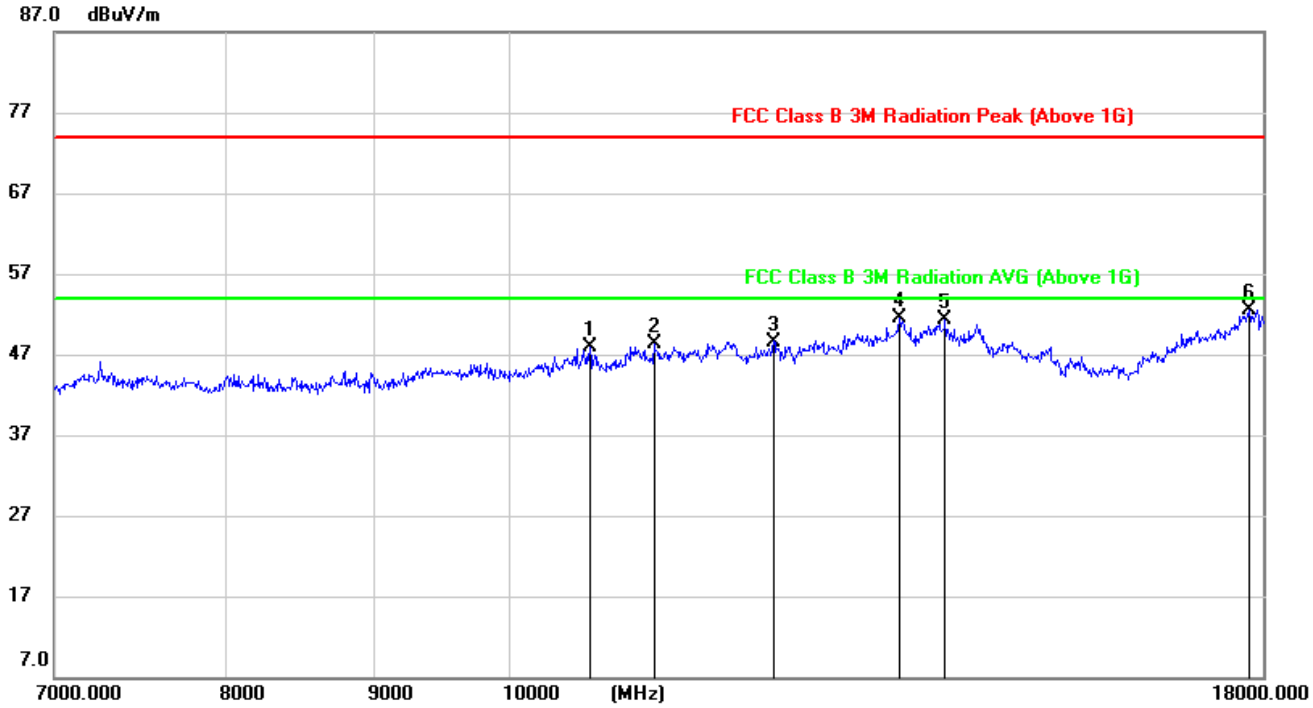
VERTICAL RESULTS
1-7GHz



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1123.844	56.14	-14.04	42.10	74.00	-31.90	peak
2	1226.691	52.46	-13.26	39.20	74.00	-34.80	peak
3	1498.927	53.89	-12.71	41.18	74.00	-32.82	peak
4	1751.412	52.89	-11.89	41.00	74.00	-33.00	peak
5	2251.158	49.81	-8.36	41.45	74.00	-32.55	peak
6	5393.304	46.41	0.27	46.68	74.00	-27.32	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

7-18GHz



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	10636.661	35.78	12.08	47.86	74.00	-26.14	peak
2	11182.646	34.91	13.37	48.28	74.00	-25.72	peak
3	12278.685	34.09	14.51	48.60	74.00	-25.40	peak
4	13545.966	32.60	18.87	51.47	74.00	-22.53	peak
5	14040.954	32.93	18.41	51.34	74.00	-22.66	peak
6	17813.965	28.13	24.42	52.55	74.00	-21.45	peak

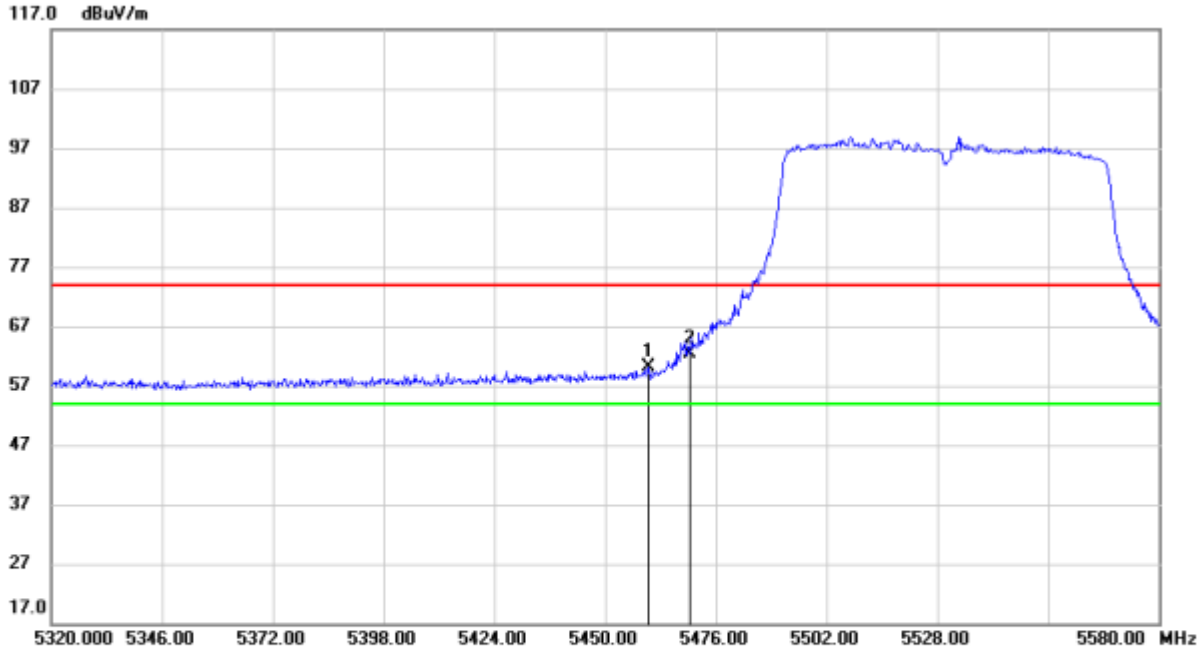
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

7.6.2. UNII-2C BAND

1TX

RESTRICTED BANDEDGE LOW CHANNEL

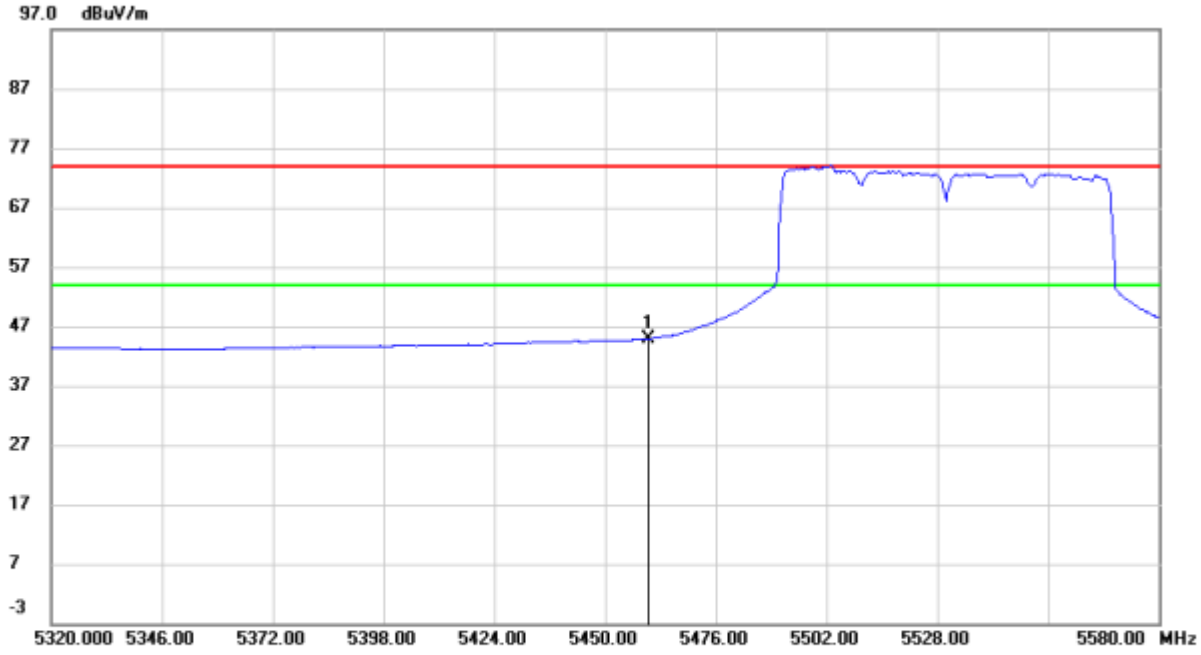
HORIZONTAL RESULTS
PEAK



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		5460.000	18.86	41.26	60.12	74.00	-13.88	peak			
2	*	5470.000	21.06	41.33	62.39	74.00	-11.61	peak			

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

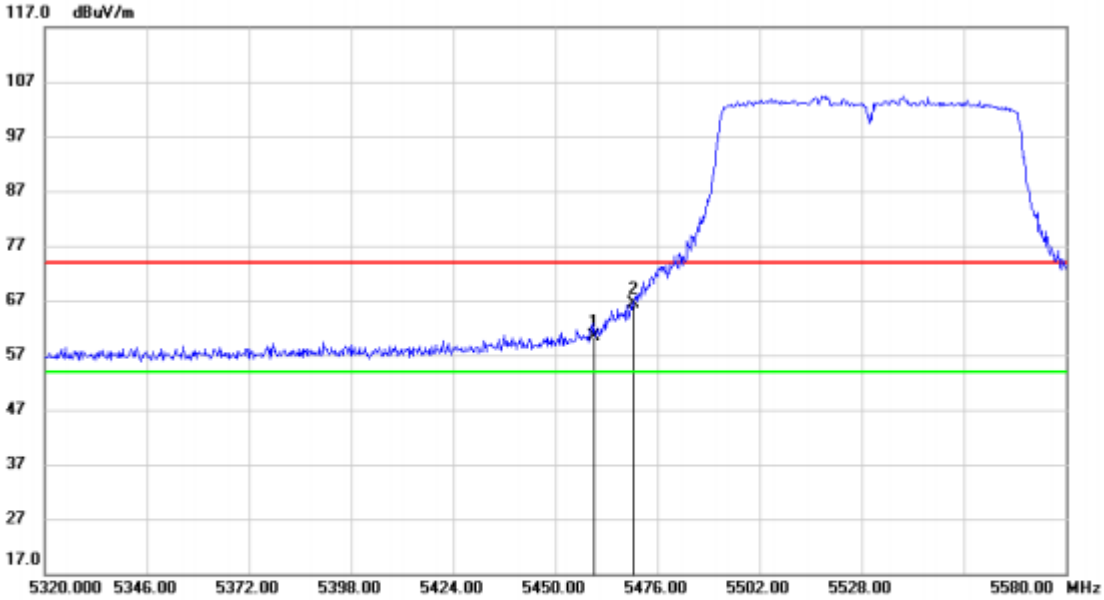
AVG



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5460.000	3.65	41.26	44.91	54.00	-9.09	AVG			

Note: 1. Measurement = Reading Level + Correct Factor
2. AVG: VBW=1/T, (For the value of 1/T, please refer to the table on page 18).
3. For duty cycle, please refer to clause 6.1.

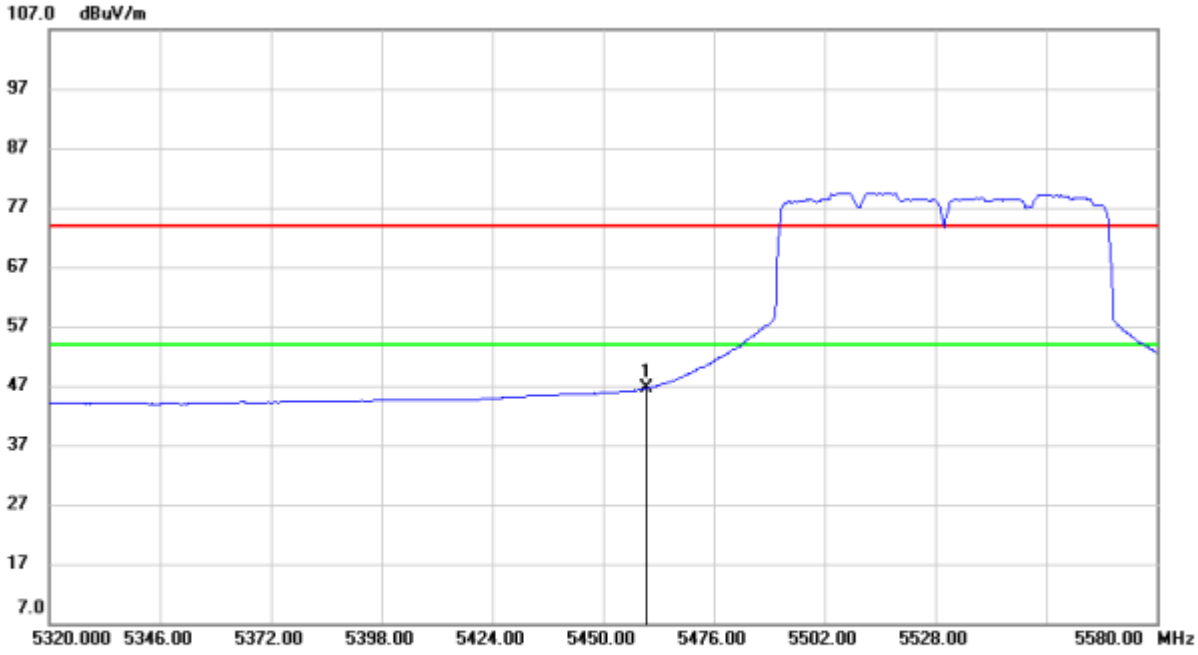
VERTICAL RESULTS
PEAK



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		5460.000	19.06	41.26	60.32	74.00	-13.68	peak			
2	*	5470.000	25.16	41.33	66.49	74.00	-7.51	peak			

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

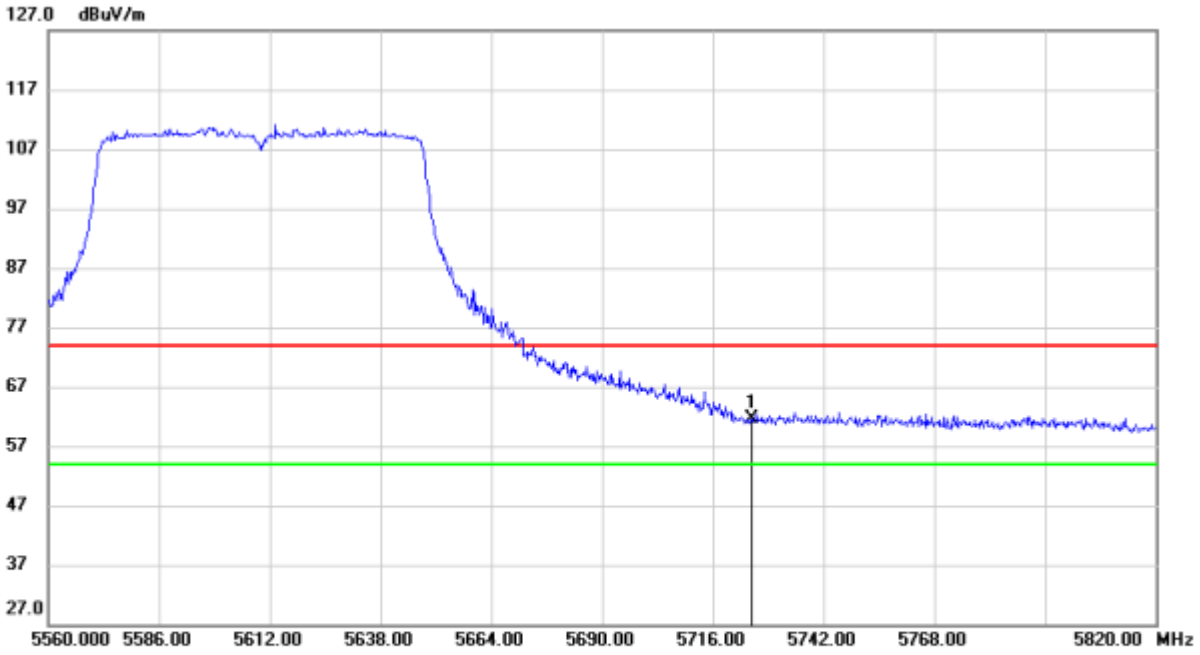


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5460.000	5.26	41.26	46.52	54.00	-7.48	AVG			

Note: 1. Measurement = Reading Level + Correct Factor
2. AVG: VBW=1/T, (For the value of 1/T, please refer to the table on page 18).
3. For duty cycle, please refer to clause 6.1.

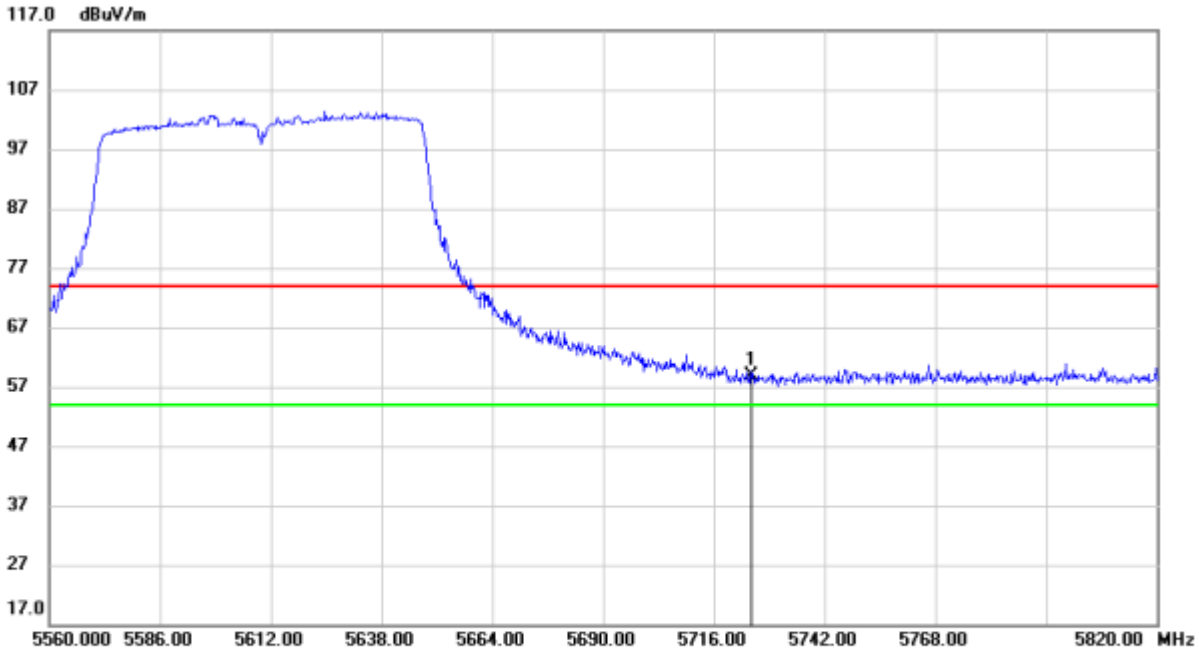
BANDEDGE HIGH CHANNEL

HORIZONTAL RESULTS
PEAK



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5725.000	20.10	41.49	61.59	74.00	-12.41	peak			

VERTICAL RESULTS
PEAK

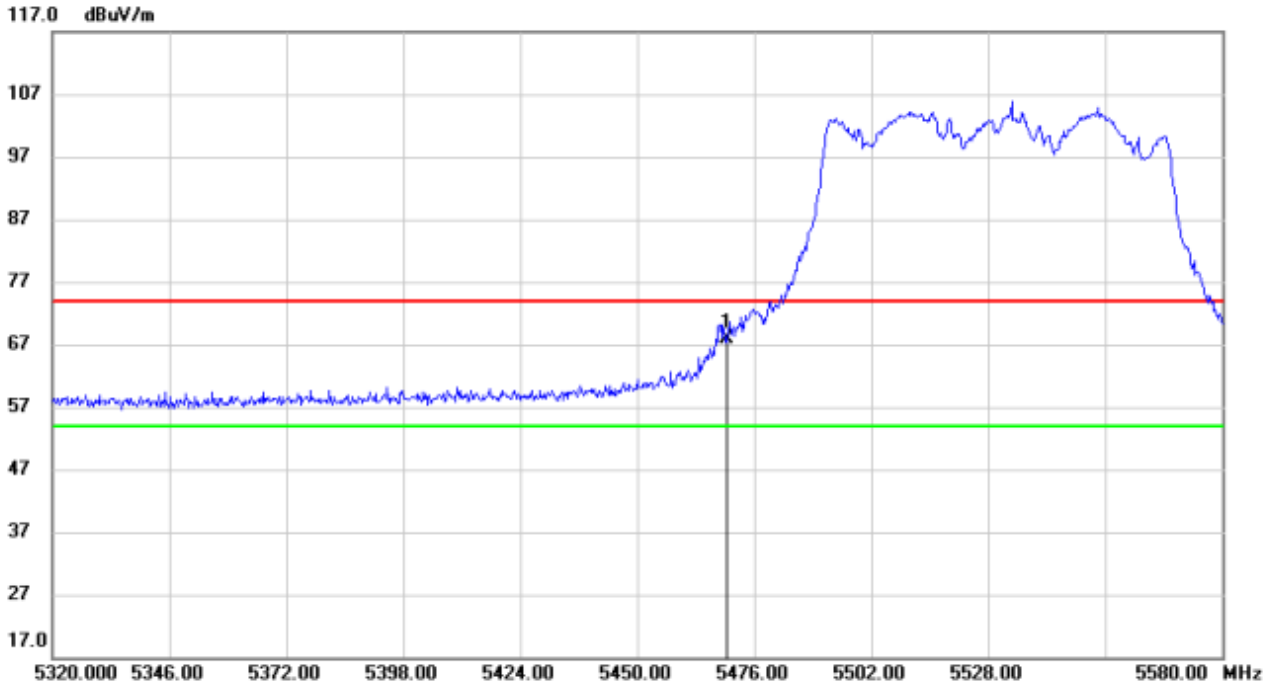


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5725.000	17.57	41.39	58.96	74.00	-15.04	peak			

2TX

RESTRICTED BANDEDGE LOW CHANNEL

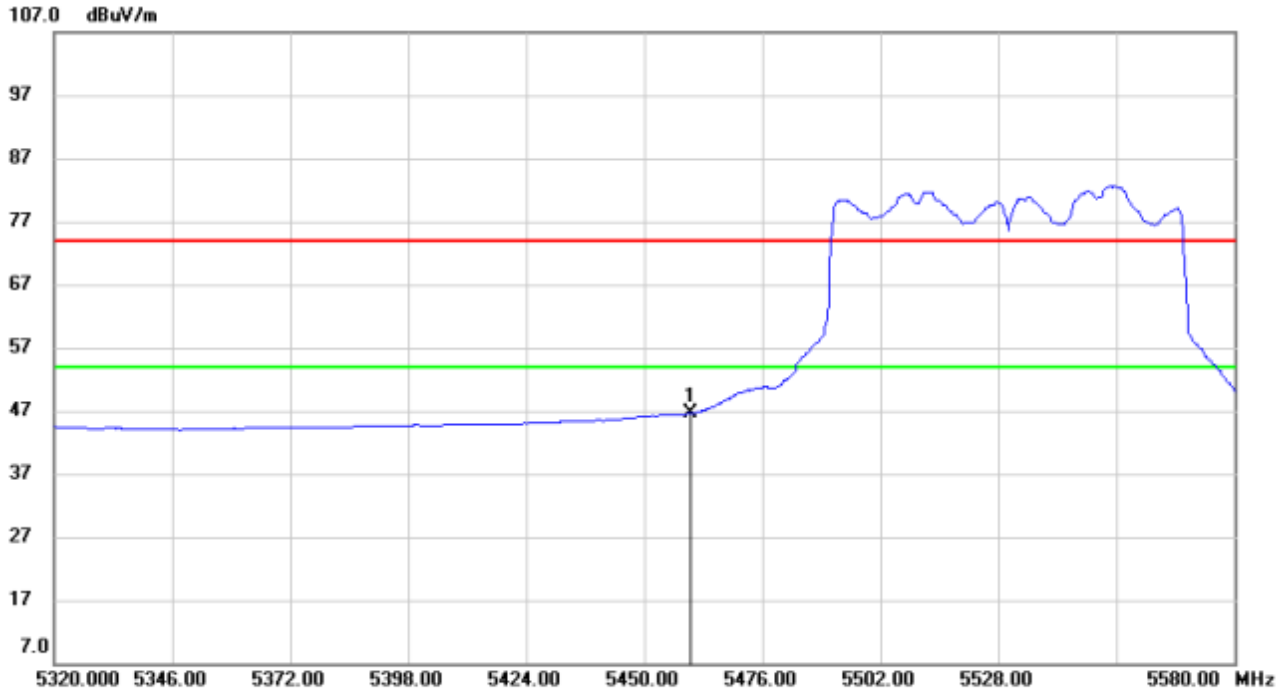
HORIZONTAL RESULTS
PEAK



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5470.000	26.51	41.33	67.84	74.00	-6.16	peak			

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

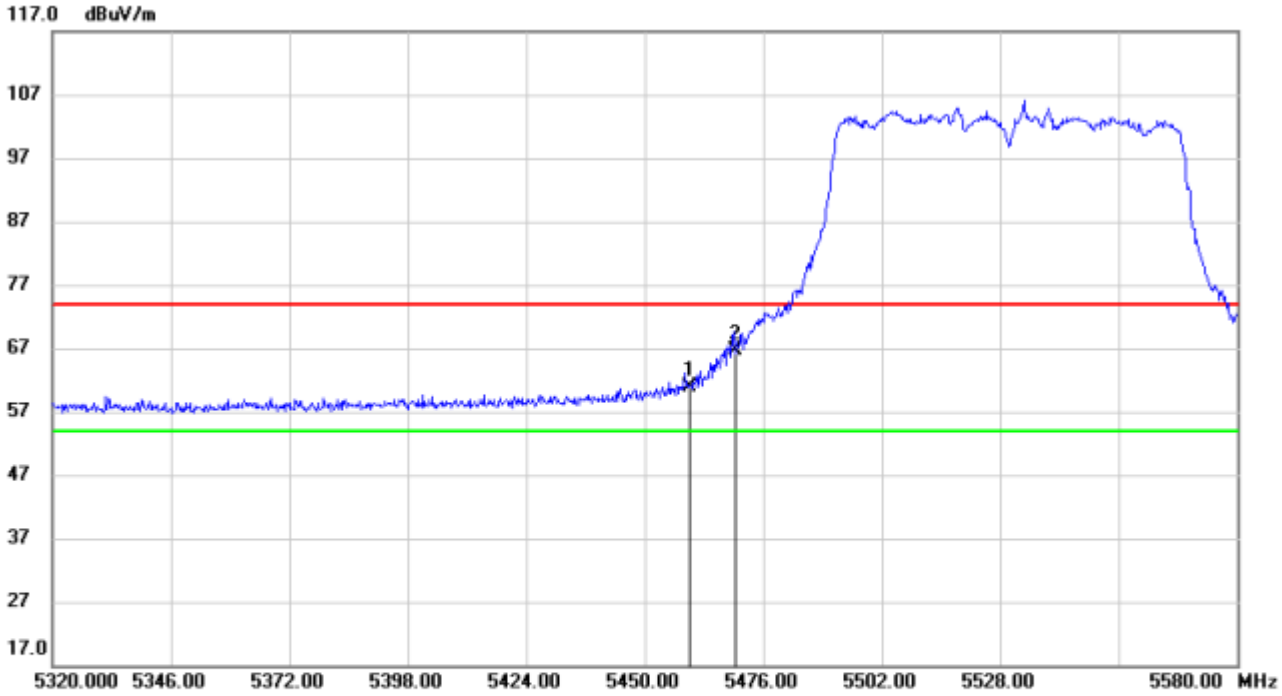
AVG



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5460.000	5.36	41.26	46.62	54.00	-7.38	AVG			

Note: 1. Measurement = Reading Level + Correct Factor
2. AVG: VBW=1/T, (For the value of 1/T, please refer to the table on page 18).
3. For duty cycle, please refer to clause 6.1.

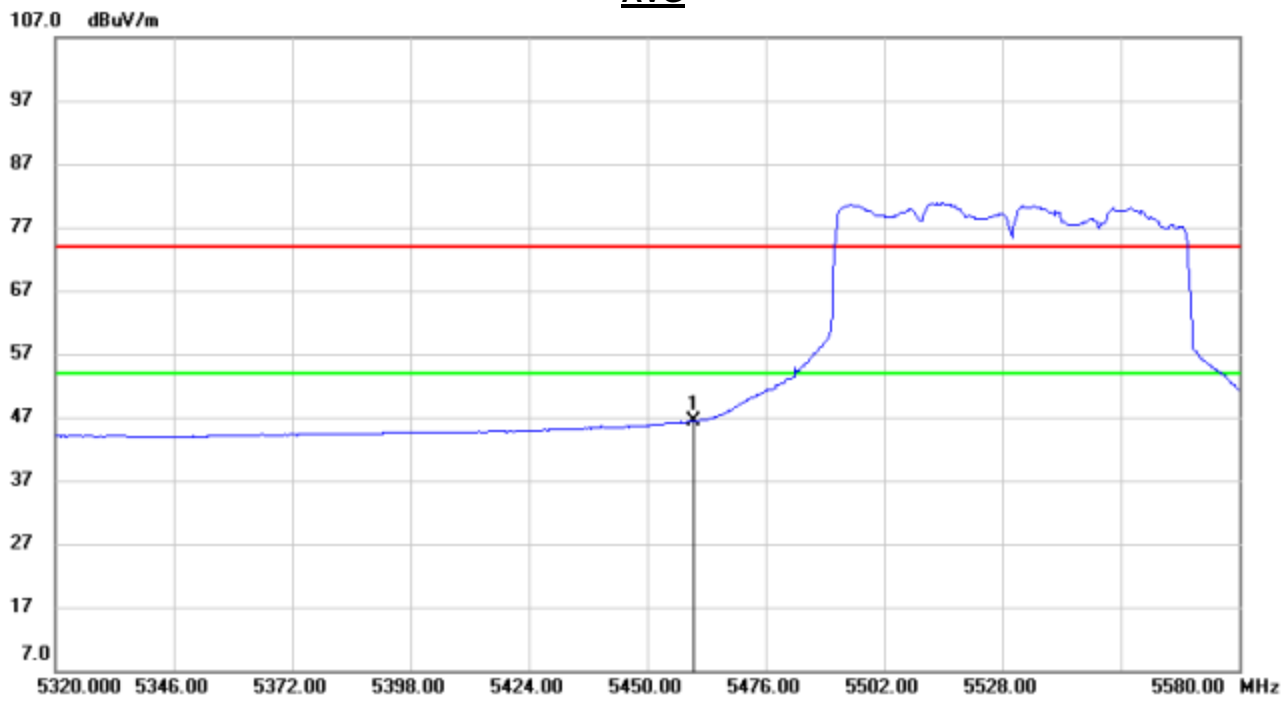
VERTICAL RESULTS
PEAK



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		5460.000	19.69	41.26	60.95	74.00	-13.05	peak			
2	*	5470.000	25.31	41.33	66.64	74.00	-7.36	peak			

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

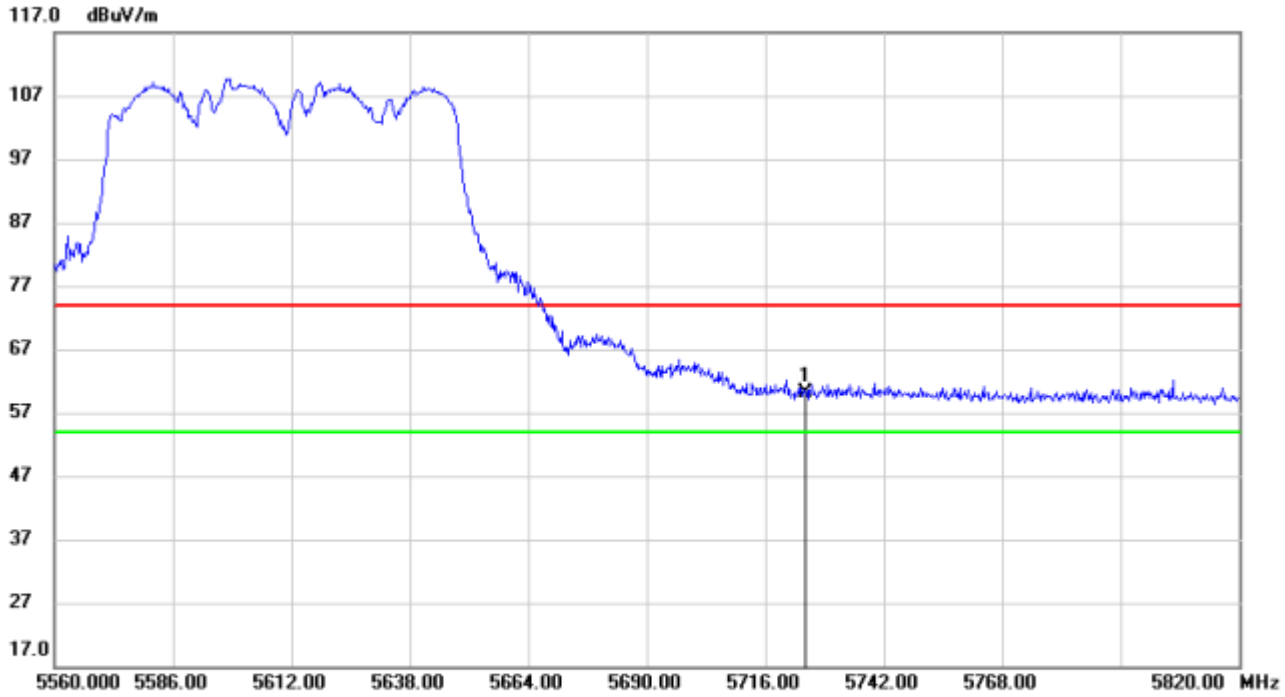


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5460.000	5.10	41.26	46.36	54.00	-7.64	AVG			

Note: 1. Measurement = Reading Level + Correct Factor
2. AVG: VBW=1/T, (For the value of 1/T, please refer to the table on page 18).
3. For duty cycle, please refer to clause 6.1.

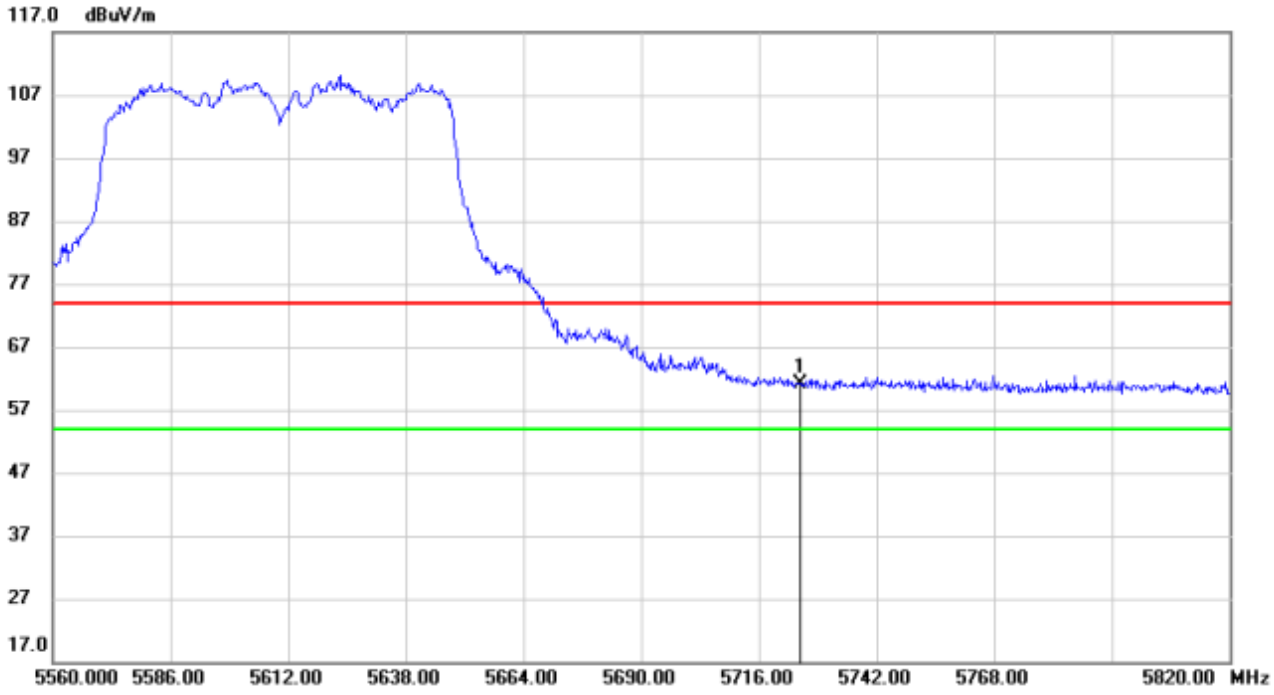
BANDEDGE HIGH CHANNEL

HORIZONTAL RESULTS
PEAK



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5725.000	18.85	41.39	60.24	74.00	-13.76	peak			

VERTICAL RESULTS
PEAK

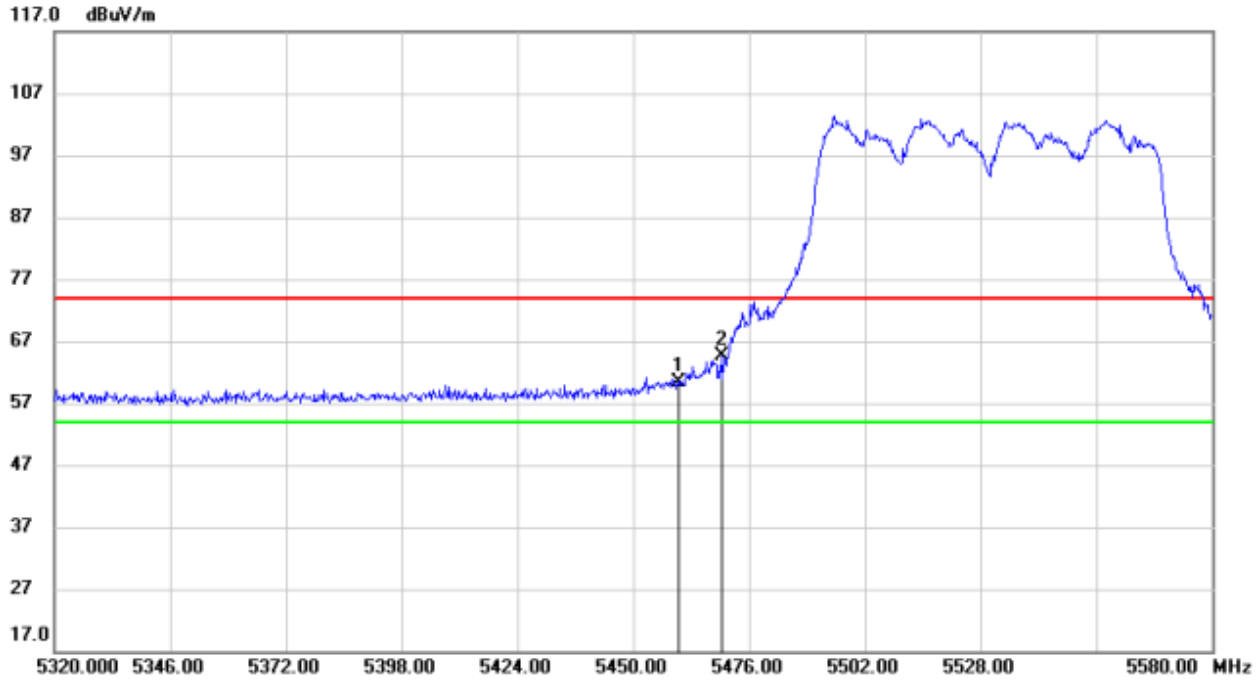


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5725.000	19.73	41.49	61.22	74.00	-12.78	peak			

3TX

RESTRICTED BANDEDGE LOW CHANNEL

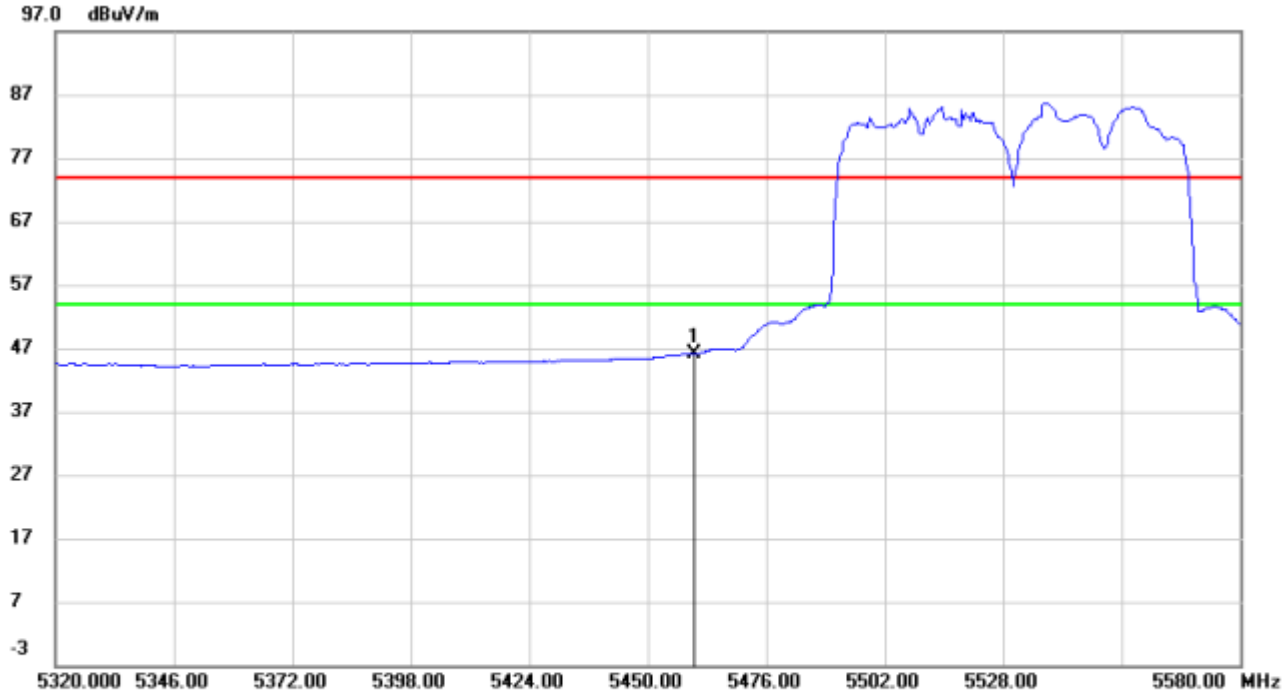
HORIZONTAL RESULTS
PEAK



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		5460.000	19.04	41.26	60.30	74.00	-13.70	peak			
2	*	5470.000	23.21	41.33	64.54	74.00	-9.46	peak			

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

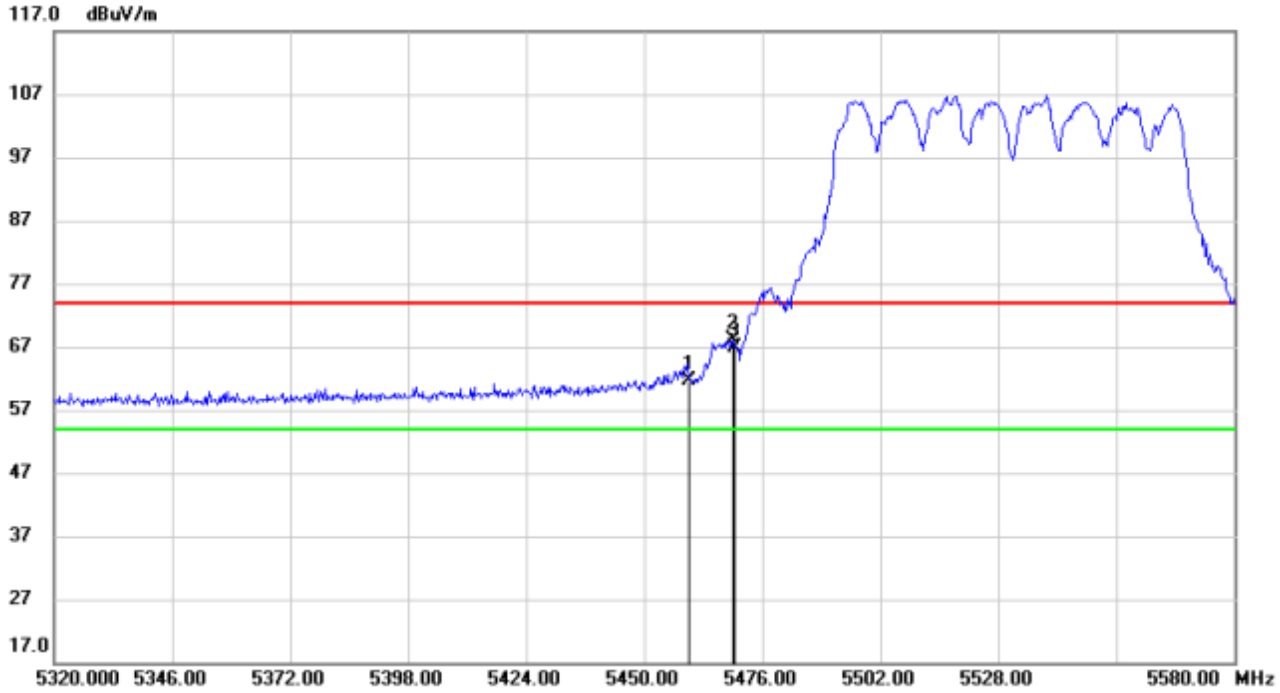
AVG



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5460.000	4.79	41.26	46.05	54.00	-7.95	AVG			

Note: 1. Measurement = Reading Level + Correct Factor
2. AVG: VBW=1/T, (For the value of 1/T, please refer to the table on page 18).
3. For duty cycle, please refer to clause 6.1.

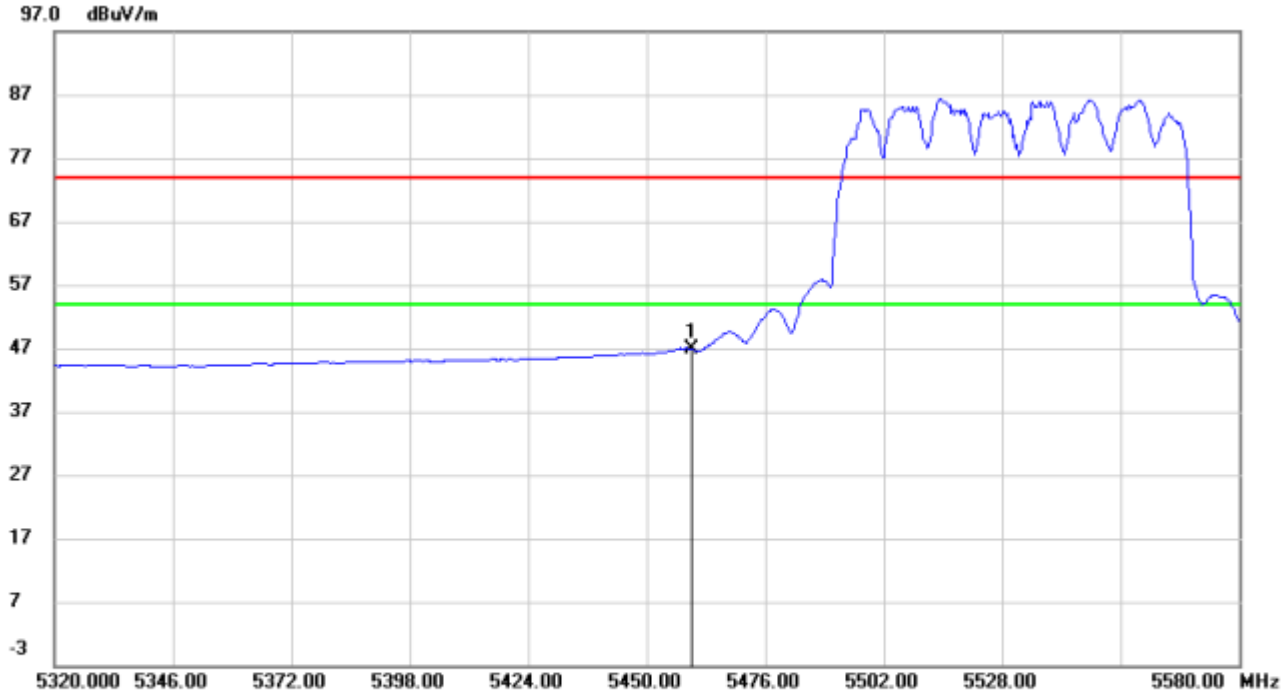
VERTICAL RESULTS
PEAK



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		5460.000	20.38	41.26	61.64	74.00	-12.36	peak			
2	*	5469.500	26.74	41.33	68.07	74.00	-5.93	peak			
3		5470.000	25.65	41.33	66.98	74.00	-7.02	peak			

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AVG

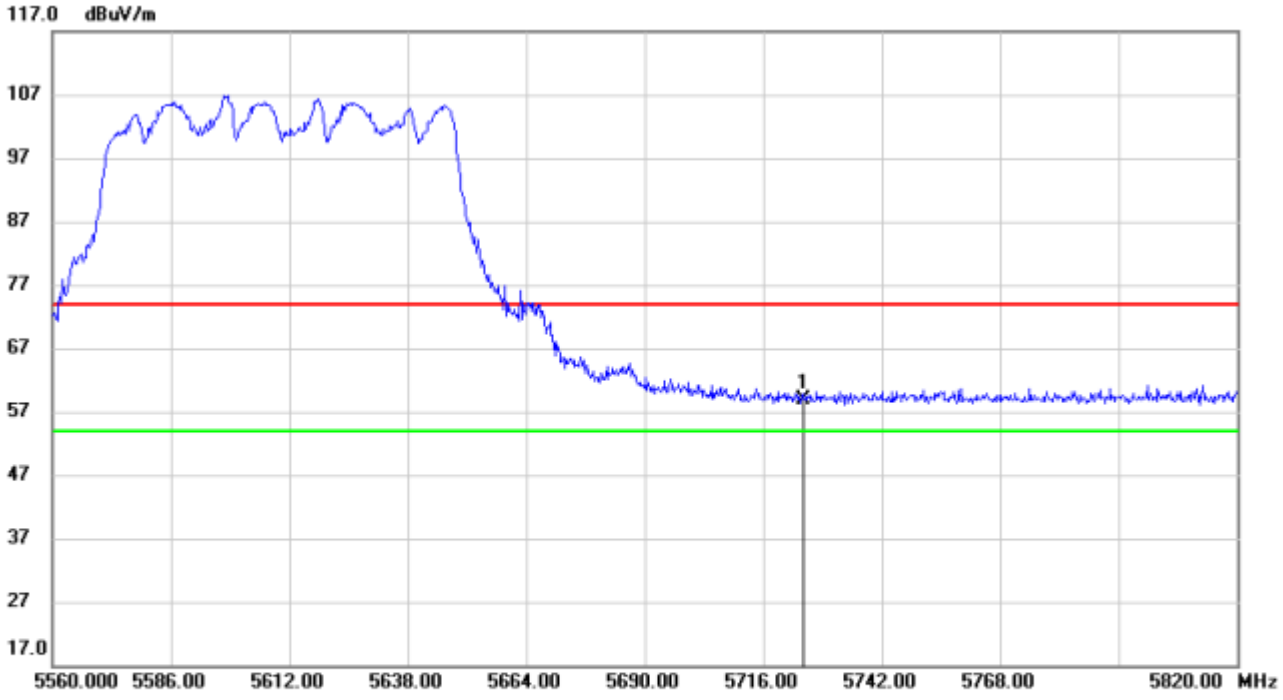


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5460.000	5.55	41.26	46.81	54.00	-7.19	AVG			

Note: 1. Measurement = Reading Level + Correct Factor
2. AVG: VBW=1/T, (For the value of 1/T, please refer to the table on page 18).
3. For duty cycle, please refer to clause 6.1.

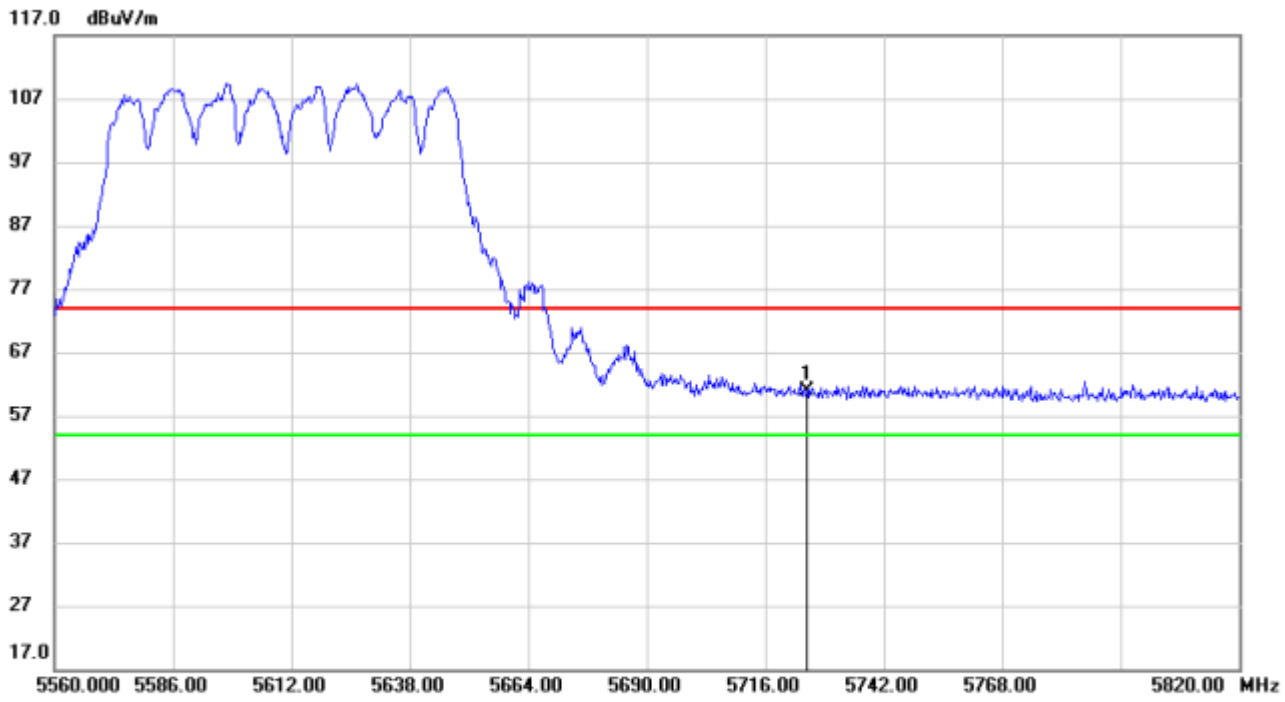
BANDEDGE HIGH CHANNEL

HORIZONTAL RESULTS
PEAK



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5725.000	17.43	41.39	58.82	74.00	-15.18	peak			

VERTICAL RESULTS
PEAK

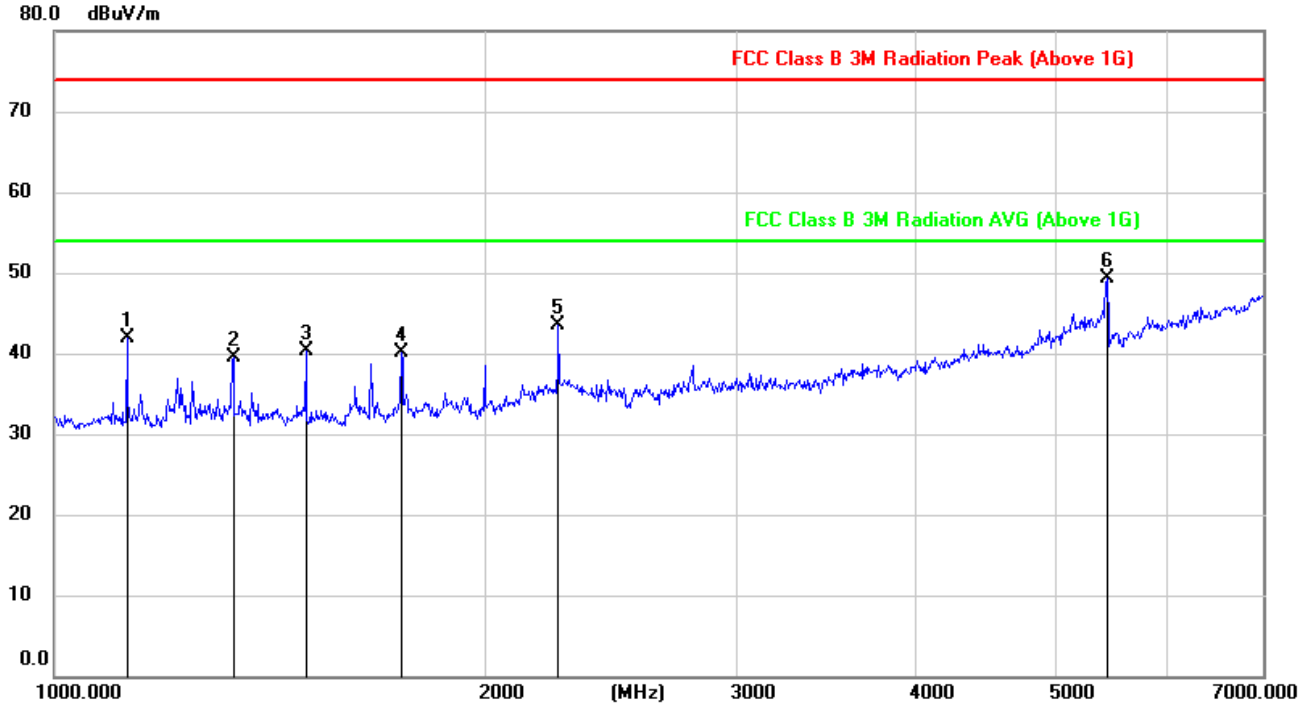


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5725.000	19.37	41.49	60.86	74.00	-13.14	peak			

3TX (WORST-CASE CONFIGURATION)

HARMONICS AND SPURIOUS EMISSIONS LOW CHANNEL

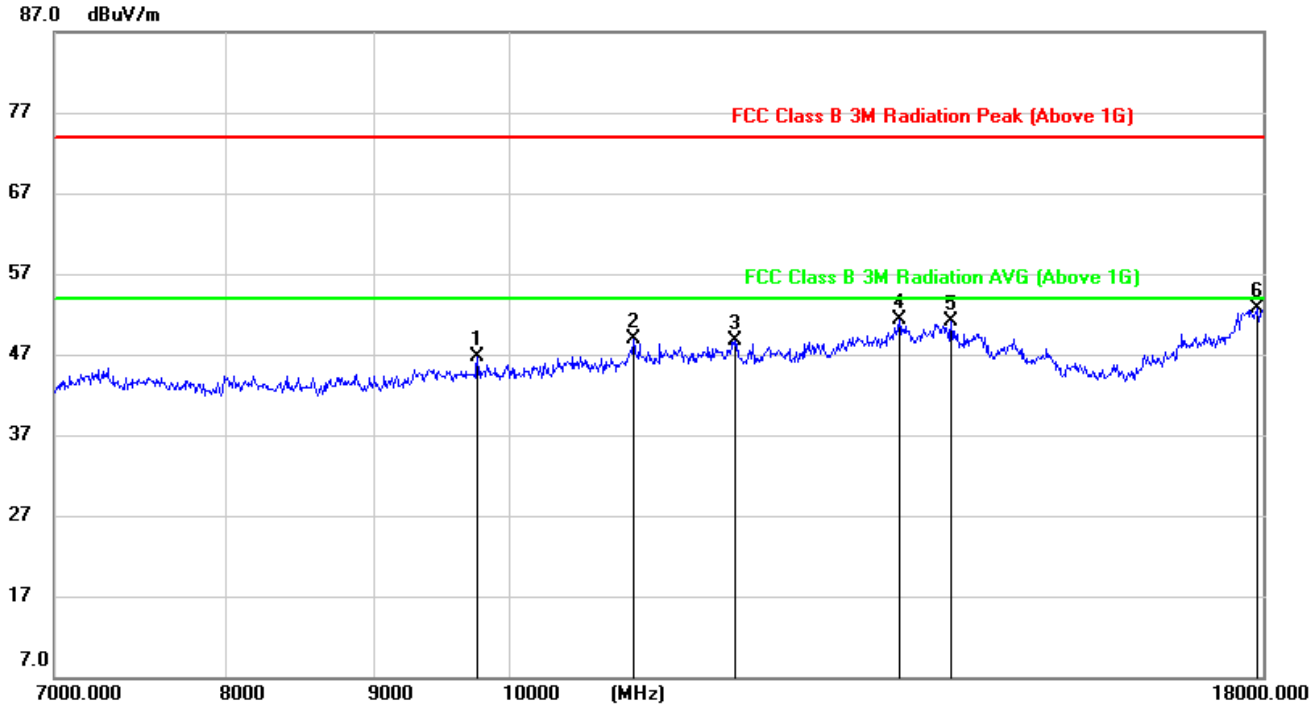
HORIZONTAL RESULTS
1-7GHz



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	1123.844	55.63	-13.79	41.84	74.00	-32.16	peak
2	1333.750	52.21	-12.72	39.49	74.00	-34.51	peak
3	1498.927	53.00	-12.61	40.39	74.00	-33.61	peak
4	1751.412	51.90	-11.89	40.01	74.00	-33.99	peak
5	2251.158	51.81	-8.36	43.45	74.00	-30.55	peak
6	5456.642	48.65	0.72	49.37	74.00	-24.63	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

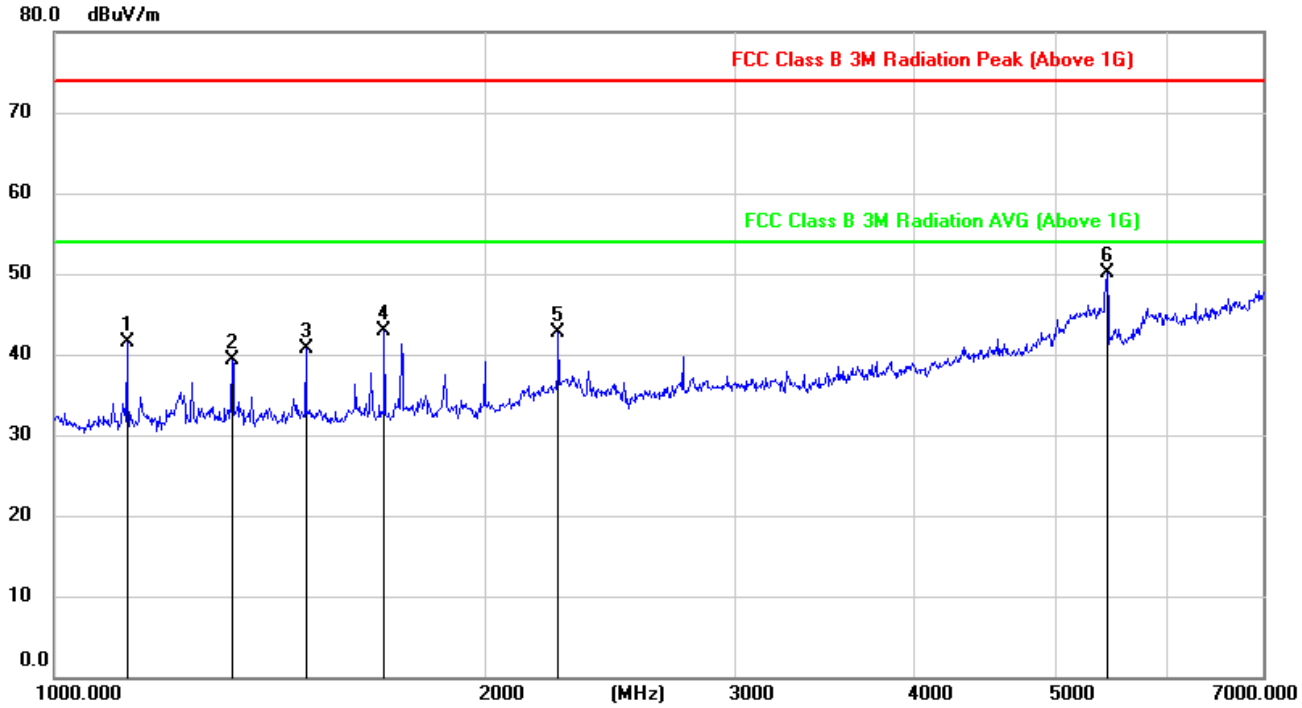
HORIZONTAL RESULTS
7-18GHz



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9742.246	36.69	9.95	46.64	74.00	-27.36	peak
2	11014.931	36.04	12.87	48.91	74.00	-25.09	peak
3	11913.141	33.75	15.04	48.79	74.00	-25.21	peak
4	13545.966	33.03	18.27	51.30	74.00	-22.70	peak
5	14120.747	32.70	18.41	51.11	74.00	-22.89	peak
6	17915.199	28.41	24.23	52.64	74.00	-21.36	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

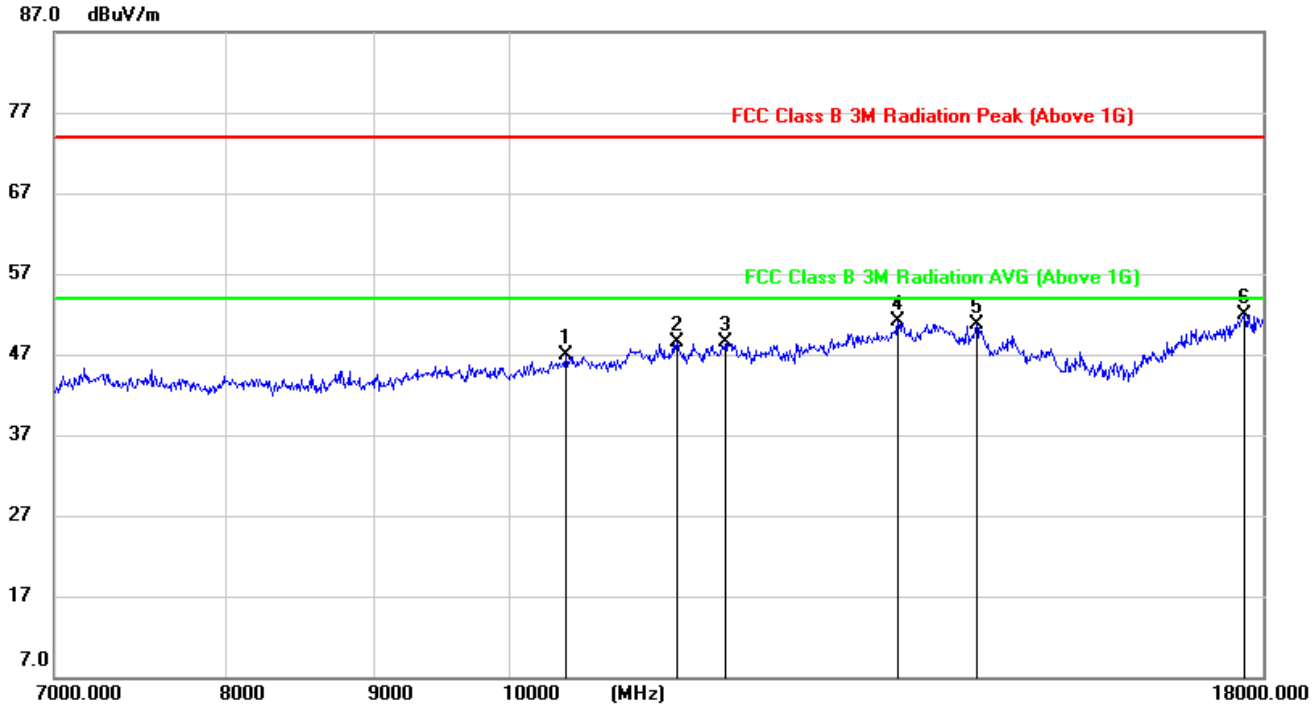
VERTICAL RESULTS
1-7GHz



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1123.844	55.59	-14.04	41.55	74.00	-32.45	peak
2	1331.157	52.13	-12.83	39.30	74.00	-34.70	peak
3	1498.927	53.33	-12.71	40.62	74.00	-33.38	peak
4	1704.342	55.07	-12.12	42.95	74.00	-31.05	peak
5	2251.158	51.00	-8.36	42.64	74.00	-31.36	peak
6	5456.642	49.29	0.72	50.01	74.00	-23.99	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

7-18GHz

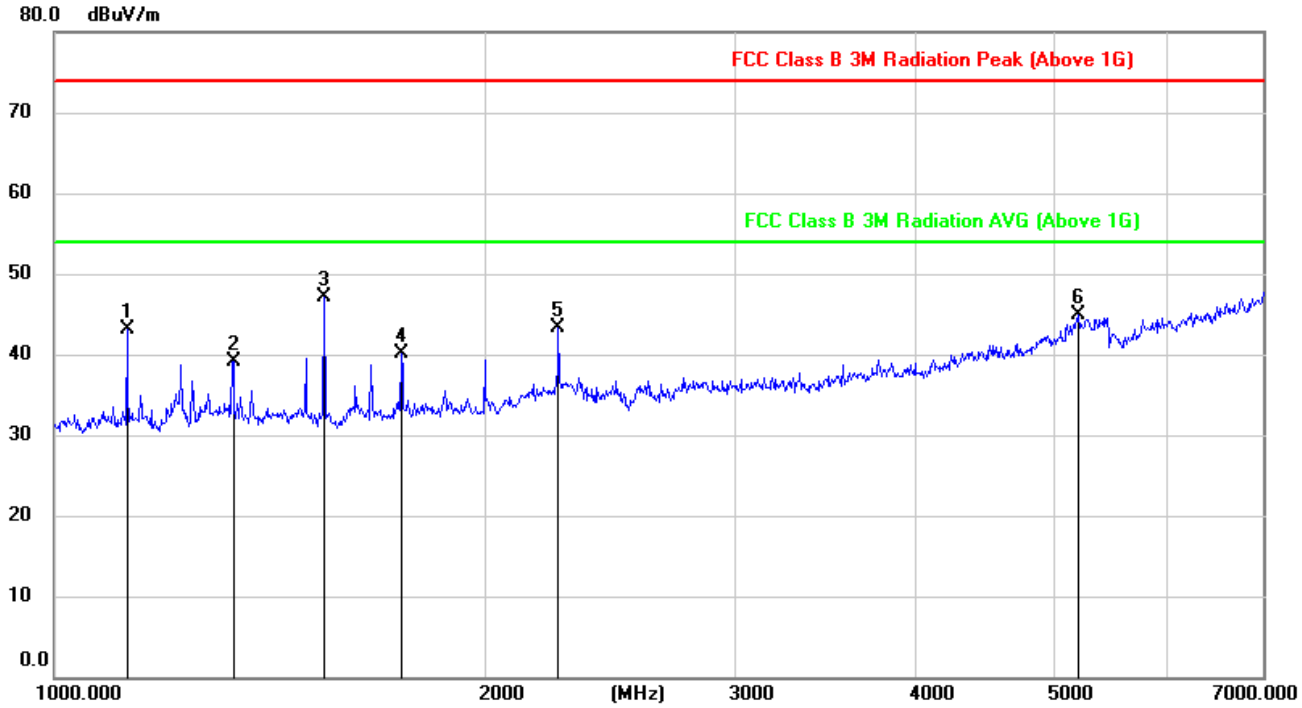


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	10447.491	35.15	11.74	46.89	74.00	-27.11	peak
2	11395.885	34.94	13.64	48.58	74.00	-25.42	peak
3	11845.822	33.76	14.72	48.48	74.00	-25.52	peak
4	13533.179	32.27	18.79	51.06	74.00	-22.94	peak
5	14390.012	32.32	18.32	50.64	74.00	-23.36	peak
6	17730.040	28.14	23.72	51.86	74.00	-22.14	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS HIGH CHANNEL

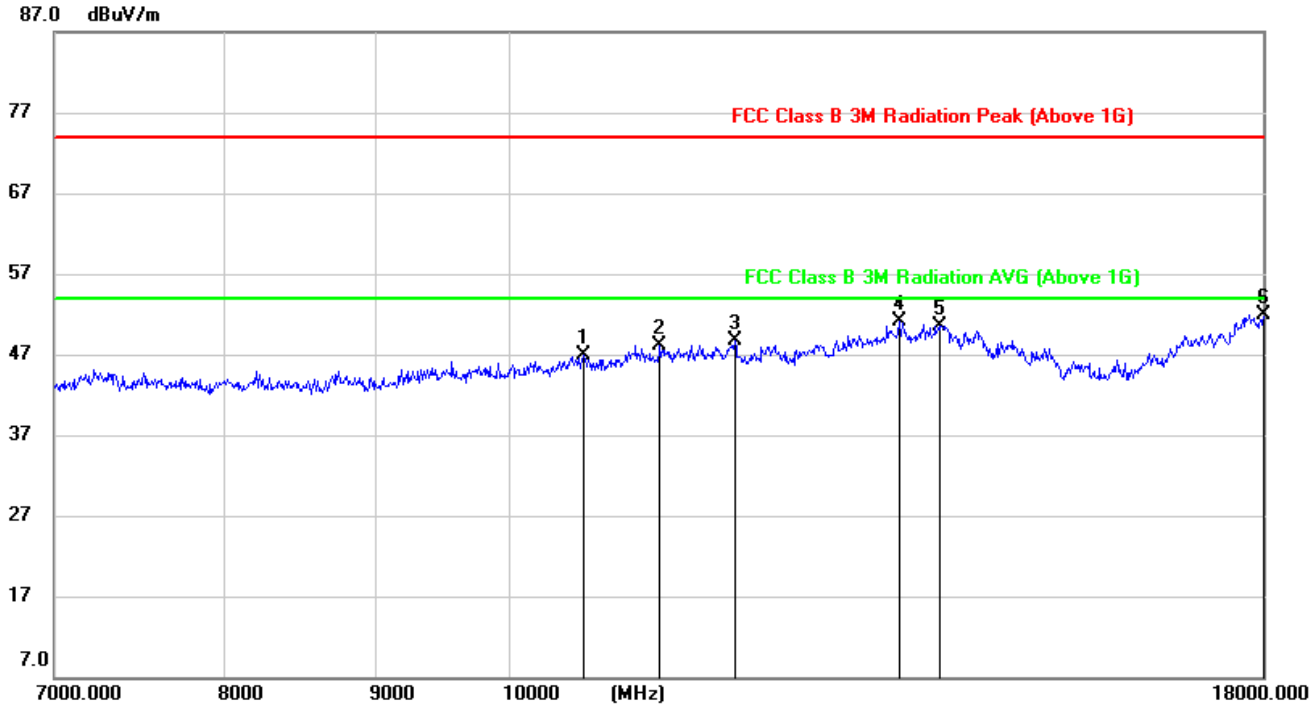
HORIZONTAL RESULTS
1-7GHz



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	1123.844	56.93	-13.79	43.14	74.00	-30.86	peak
2	1333.750	51.85	-12.72	39.13	74.00	-34.87	peak
3	1543.323	59.90	-12.84	47.06	74.00	-26.94	peak
4	1751.412	52.04	-11.89	40.15	74.00	-33.85	peak
5	2251.158	51.58	-8.36	43.22	74.00	-30.78	peak
6	5207.666	45.00	-0.19	44.81	74.00	-29.19	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

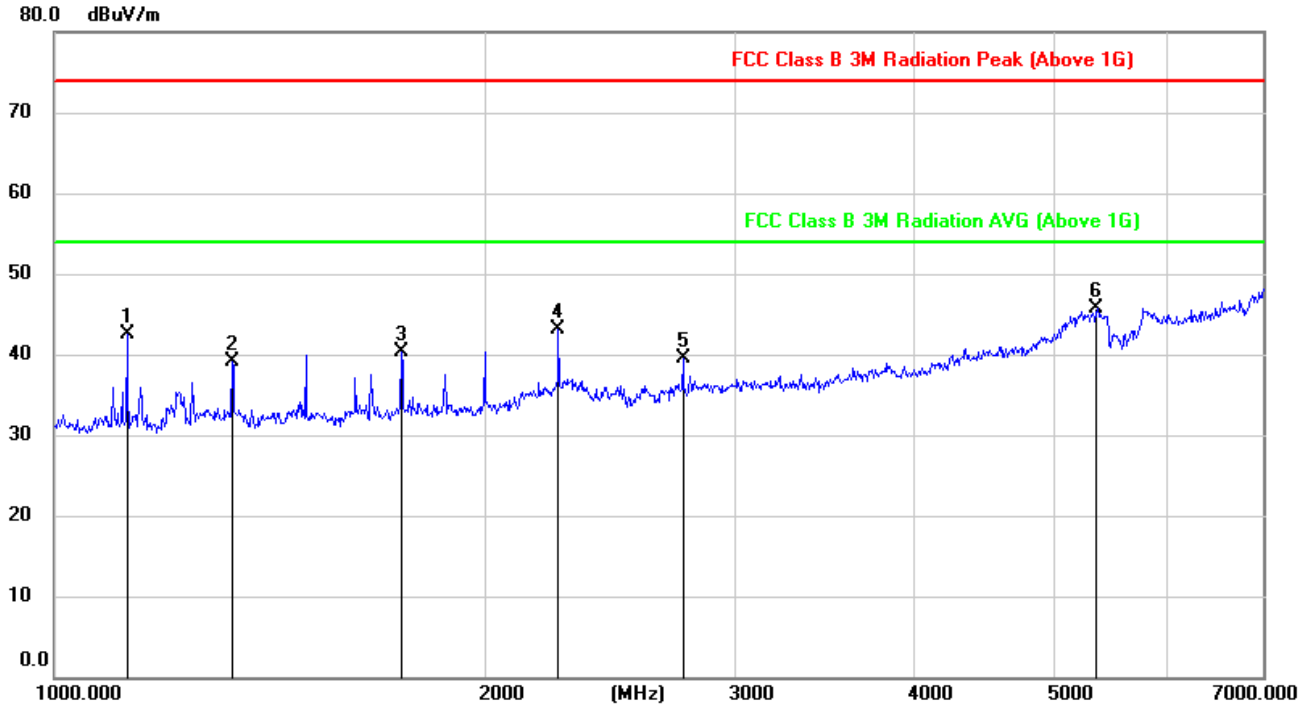
HORIZONTAL RESULTS
7-18GHz



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10596.553	35.06	11.76	46.82	74.00	-27.18	peak
2	11235.579	34.94	13.17	48.11	74.00	-25.89	peak
3	11913.141	33.63	15.04	48.67	74.00	-25.33	peak
4	13545.966	32.74	18.27	51.01	74.00	-22.99	peak
5	13974.805	31.95	18.51	50.46	74.00	-23.54	peak
6	18000.000	27.09	24.81	51.90	74.00	-22.10	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

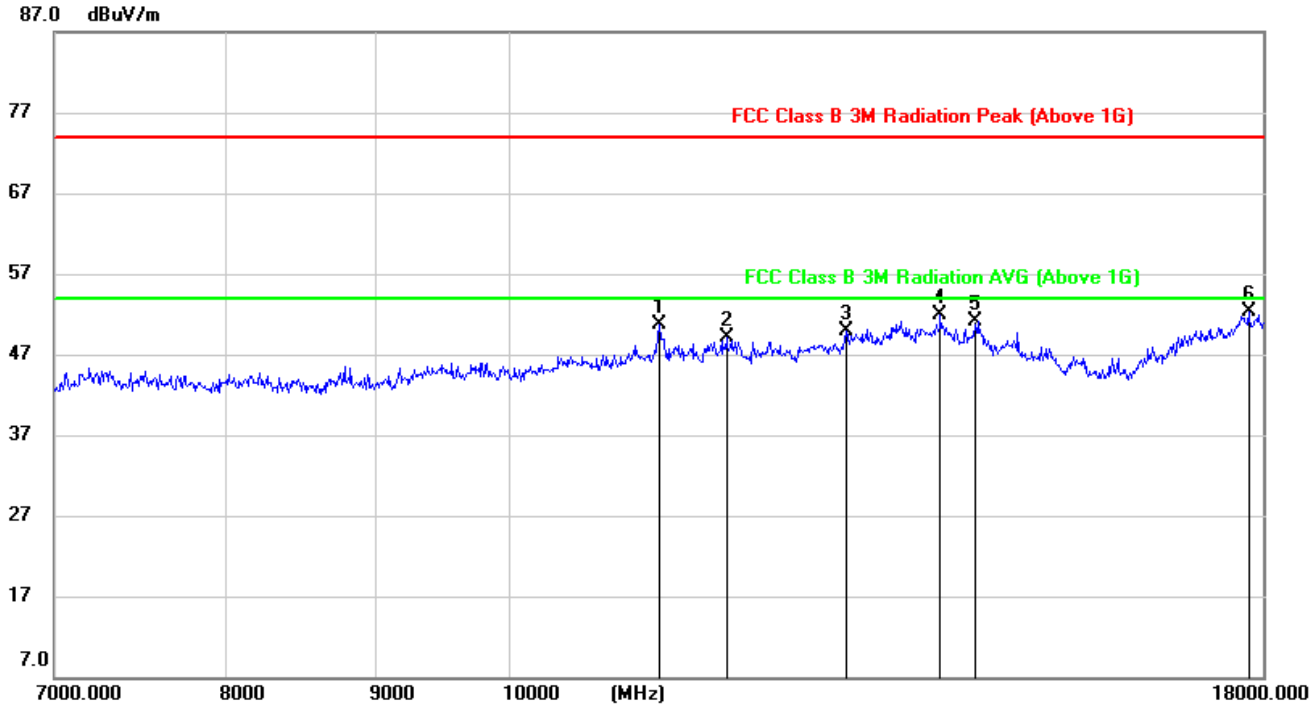
VERTICAL RESULTS
1-7GHz



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1123.844	56.59	-14.04	42.55	74.00	-31.45	peak
2	1331.157	51.86	-12.83	39.03	74.00	-34.97	peak
3	1751.412	52.19	-11.89	40.30	74.00	-33.70	peak
4	2251.158	51.48	-8.36	43.12	74.00	-30.88	peak
5	2750.749	47.64	-8.04	39.60	74.00	-34.40	peak
6	5361.911	45.68	0.05	45.73	74.00	-28.27	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

7-18GHz



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	11235.579	37.14	13.52	50.66	74.00	-23.34	peak
2	11845.822	34.43	14.72	49.15	74.00	-24.85	peak
3	12994.582	33.11	16.83	49.94	74.00	-24.06	peak
4	13988.010	33.24	18.59	51.83	74.00	-22.17	peak
5	14403.609	32.87	18.29	51.16	74.00	-22.84	peak
6	17797.148	27.72	24.61	52.33	74.00	-21.67	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

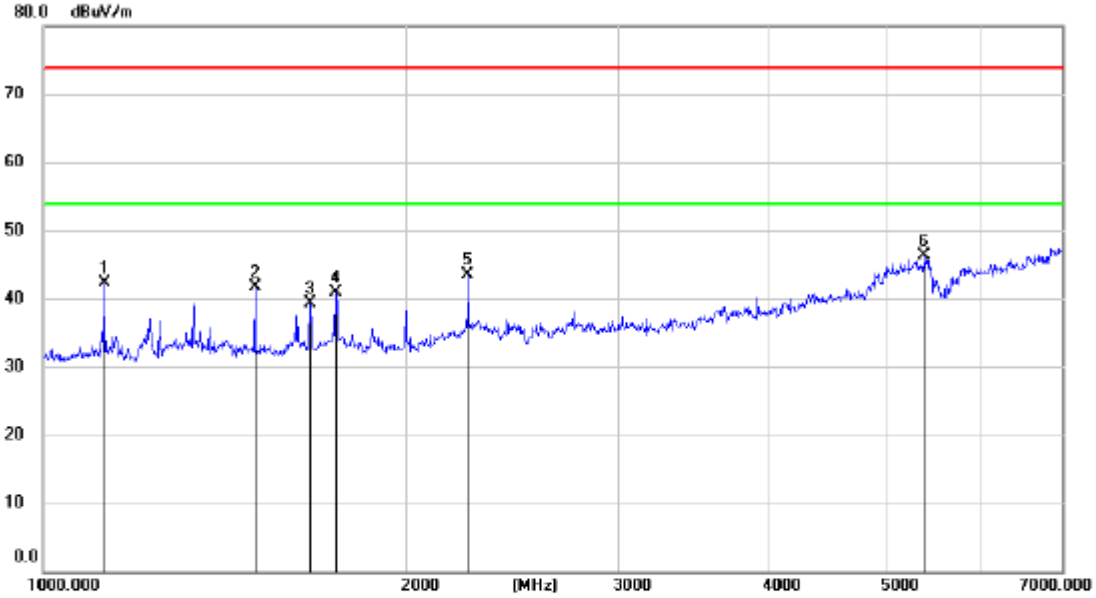
7.6.3. STRADDLE CHANNEL 138

3TX (WORST-CASE CONFIGURATION)

Note: straddle channels are considered to be operating in both U-NII-2C and U-NII-3. The worst case out-of-band emission limit, i.e., −27 dBm/MHz peak EIRP, applies at the band edges. The band edges are considered to be 5.47 GHz and 5.85 GHz, the test results is in compliance with the limit. Since the operating frequency and the band edges spacing are large, the test results are not described separately.

HARMONICS AND SPURIOUS EMISSIONS HIGH CHANNEL

HORIZONTAL RESULTS
1-7GHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		1123.843	56.04	-13.79	42.25	74.00	-31.75	peak			
2		1498.927	54.26	-12.61	41.65	74.00	-32.35	peak			
3		1668.248	51.61	-12.27	39.34	74.00	-34.66	peak			
4		1751.411	52.84	-11.89	40.95	74.00	-33.05	peak			
5		2251.157	51.80	-8.36	43.44	74.00	-30.56	peak			
6	*	5382.819	46.08	0.17	46.25	74.00	-27.75	peak			

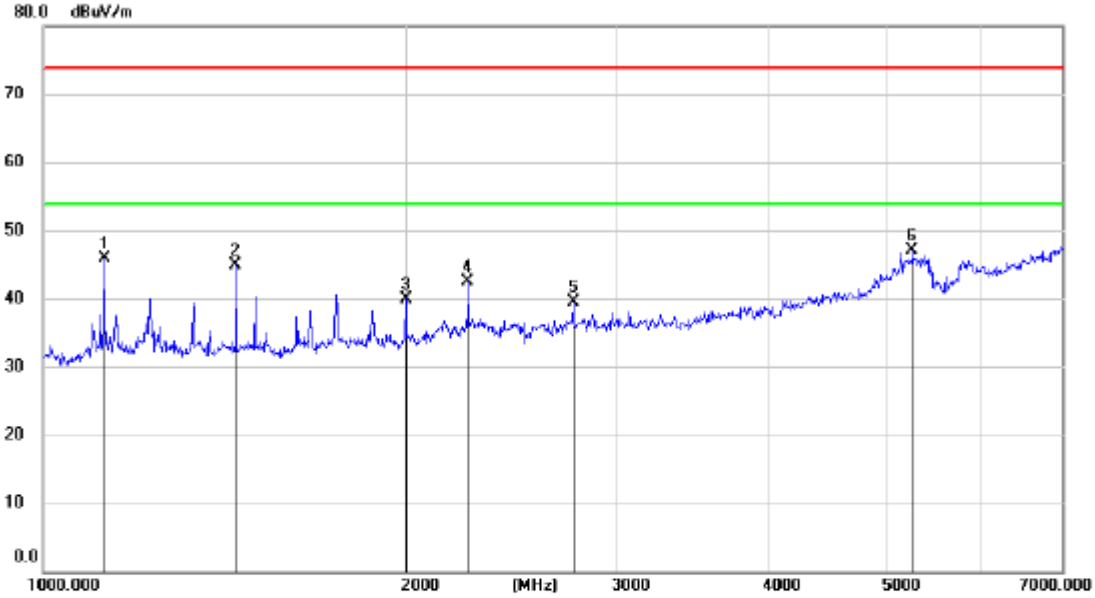
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HORIZONTAL RESULTS
7-18GHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		7642.655	38.44	6.44	44.88	74.00	-29.12	peak			
2		9196.836	36.26	8.66	44.92	74.00	-29.08	peak			
3		9733.049	35.97	9.91	45.88	74.00	-28.12	peak			
4		11374.37	35.45	13.38	48.83	74.00	-25.17	peak			
5		14054.22	31.67	18.47	50.14	74.00	-23.86	peak			
6	*	17847.64	28.00	24.26	52.26	74.00	-21.74	peak			

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

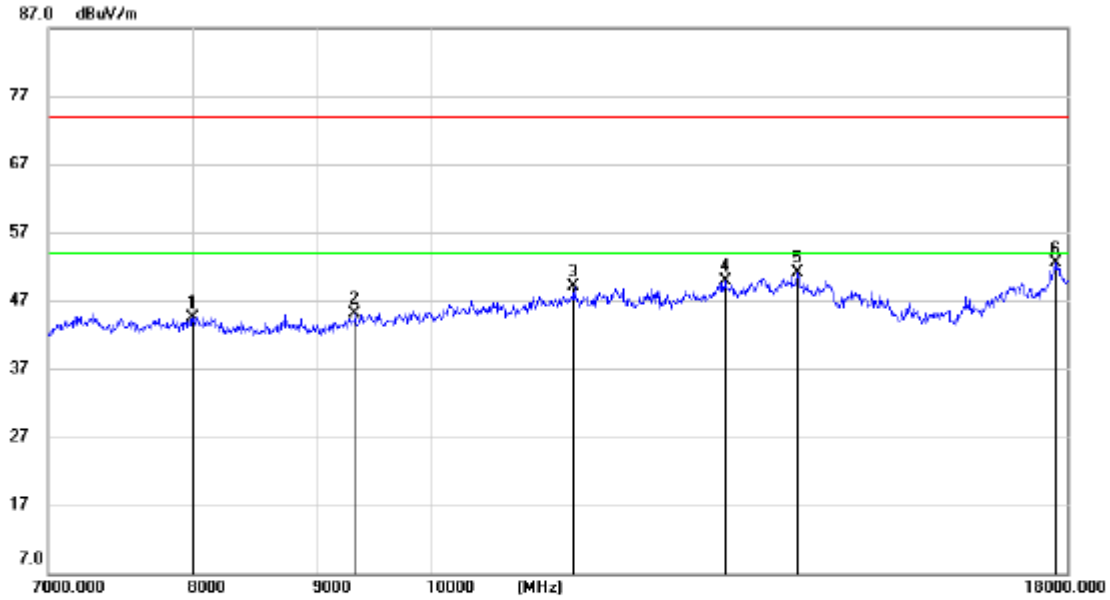
VERTICAL RESULTS
1-7GHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		1123.843	59.98	-14.04	45.94	74.00	-28.06	peak			
2		1444.520	57.68	-12.73	44.95	74.00	-29.05	peak			
3		1999.194	51.09	-11.21	39.88	74.00	-34.12	peak			
4		2251.157	50.77	-8.36	42.41	74.00	-31.59	peak			
5		2750.749	47.60	-8.04	39.56	74.00	-34.44	peak			
6	*	5258.582	47.31	-0.26	47.05	74.00	-26.95	peak			

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

7-18GHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		8004.658	37.55	7.00	44.55	74.00	-29.45	peak			
2		9301.662	35.81	9.24	45.05	74.00	-28.95	peak			
3		11395.88	35.47	13.64	49.11	74.00	-24.89	peak			
4		13117.89	33.34	16.61	49.95	74.00	-24.05	peak			
5		14027.69	32.54	18.47	51.01	74.00	-22.99	peak			
6	*	17813.96	28.17	24.42	52.59	74.00	-21.41	peak			

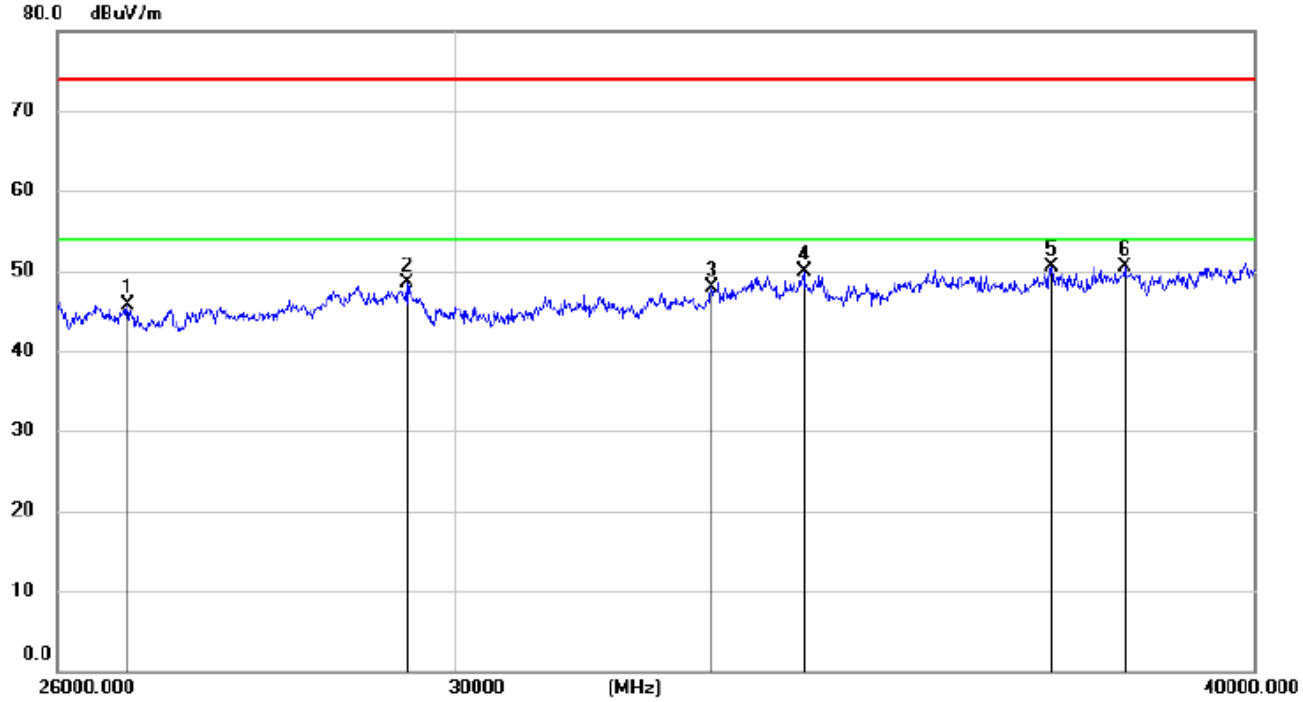
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

7.7. SPURIOUS EMISSIONS 26~40GHz

7.7.1. 802.11a MODE

3TX 5300MHz (WORST-CASE CONFIGURATION)

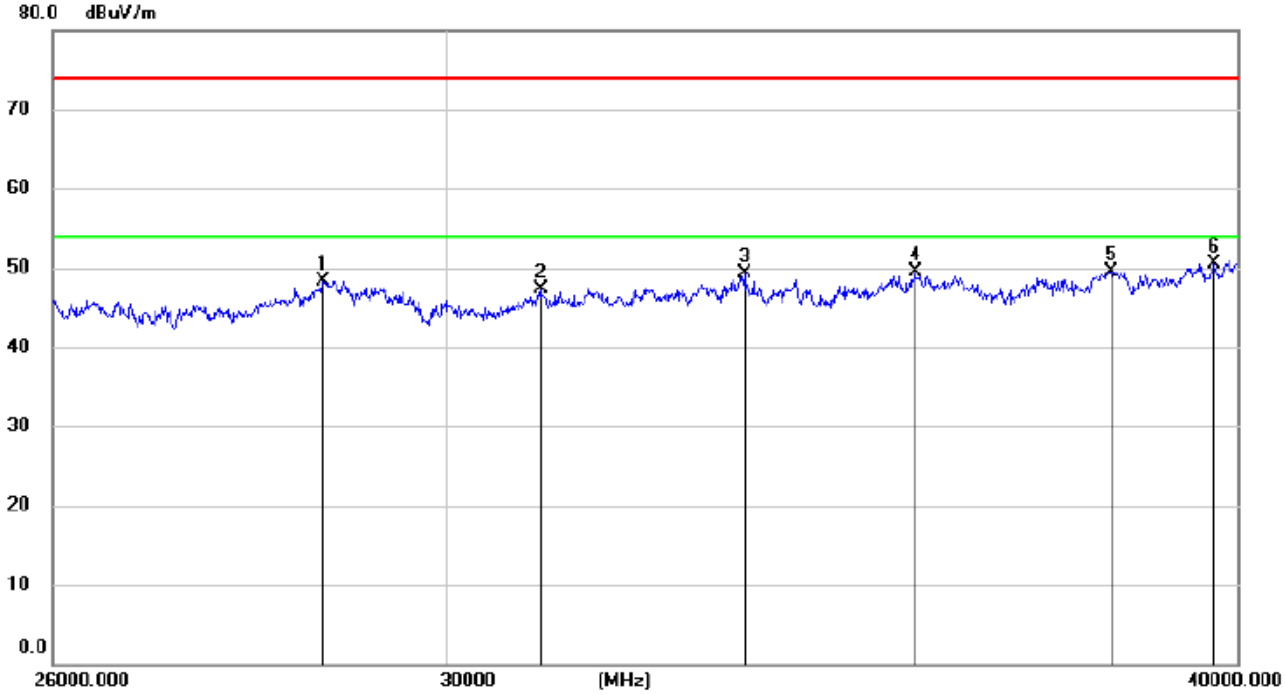
SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		26669.29	50.91	-5.22	45.69	74.00	-28.31	peak			
2		29485.10	47.69	0.73	48.42	74.00	-25.58	peak			
3		32908.62	47.98	0.02	48.00	74.00	-26.00	peak			
4		34018.52	48.11	1.84	49.95	74.00	-24.05	peak			
5	*	37191.38	46.68	3.90	50.58	74.00	-23.42	peak			
6		38181.64	45.83	4.74	50.57	74.00	-23.43	peak			

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		28695.65	47.19	1.18	48.37	74.00	-25.63	peak			
2		31049.38	48.46	-1.19	47.27	74.00	-26.73	peak			
3		33437.35	47.00	2.39	49.39	74.00	-24.61	peak			
4		35577.25	46.69	2.80	49.49	74.00	-24.51	peak			
5		38214.55	44.80	4.78	49.58	74.00	-24.42	peak			
6	*	39656.85	43.97	6.55	50.52	74.00	-23.48	peak			

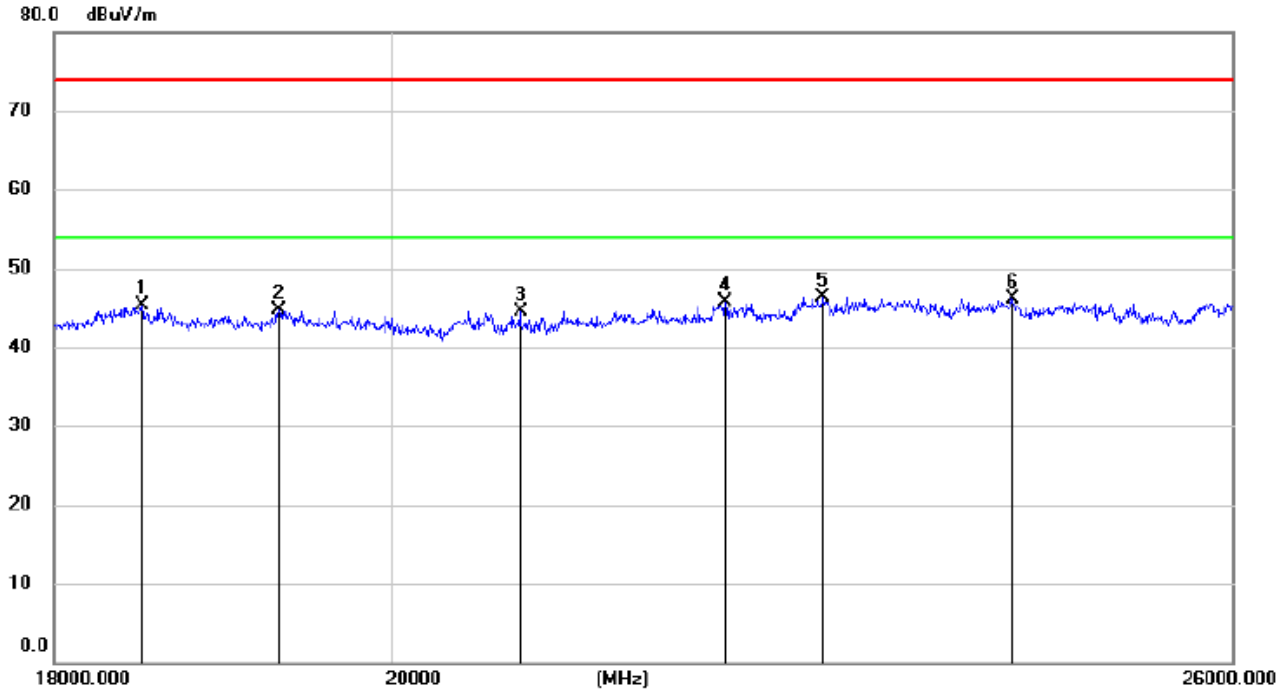
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

7.8. SPURIOUS EMISSIONS 18~26GHz

7.8.1. 802.11a MODE

3TX 5300MHz (WORST-CASE CONFIGURATION)

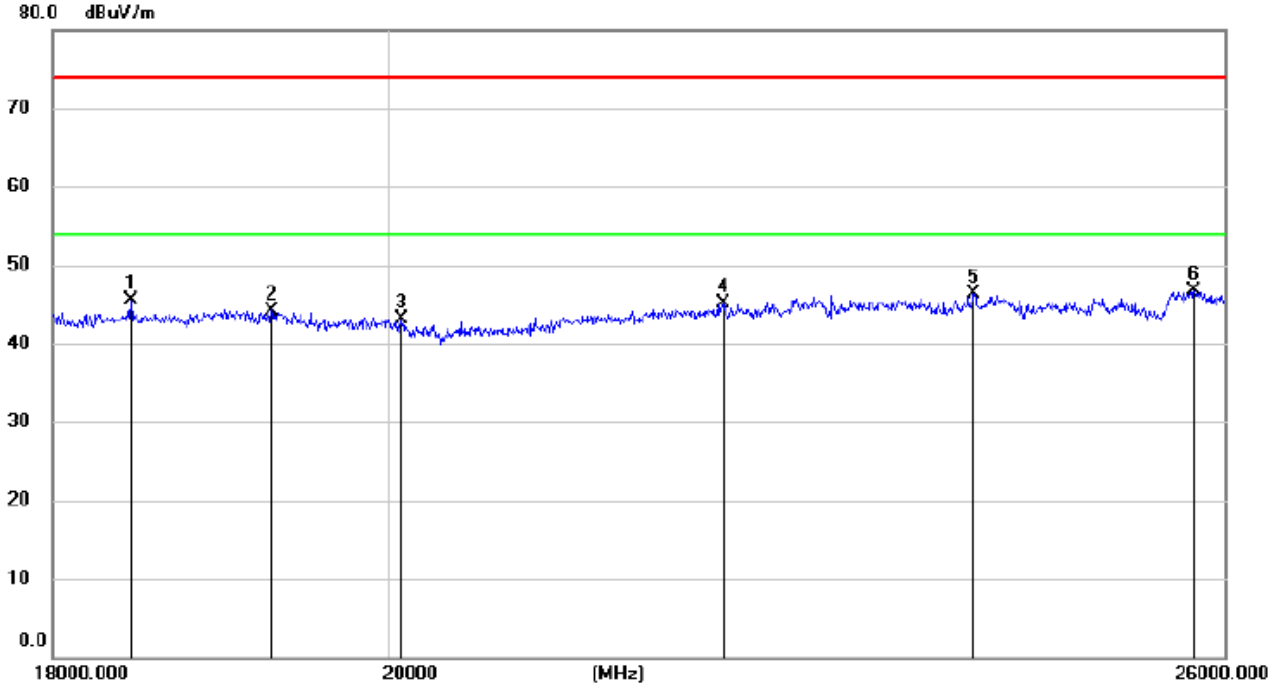
SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		18503.33	50.46	-5.25	45.21	74.00	-28.79	peak			
2		19309.69	50.19	-5.57	44.62	74.00	-29.38	peak			
3		20821.59	49.47	-5.04	44.43	74.00	-29.57	peak			
4		22197.39	49.99	-4.27	45.72	74.00	-28.28	peak			
5	*	22885.32	49.92	-3.55	46.37	74.00	-27.63	peak			
6		24281.13	48.82	-2.77	46.05	74.00	-27.95	peak			

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		18448.98	50.77	-5.32	45.45	74.00	-28.55	peak			
2		19281.31	49.78	-5.58	44.20	74.00	-29.80	peak			
3		20084.60	48.59	-5.50	43.09	74.00	-30.91	peak			
4		22221.89	49.34	-4.26	45.08	74.00	-28.92	peak			
5		24032.41	49.12	-2.75	46.37	74.00	-27.63	peak			
6	*	25752.60	47.25	-0.62	46.63	74.00	-27.37	peak			

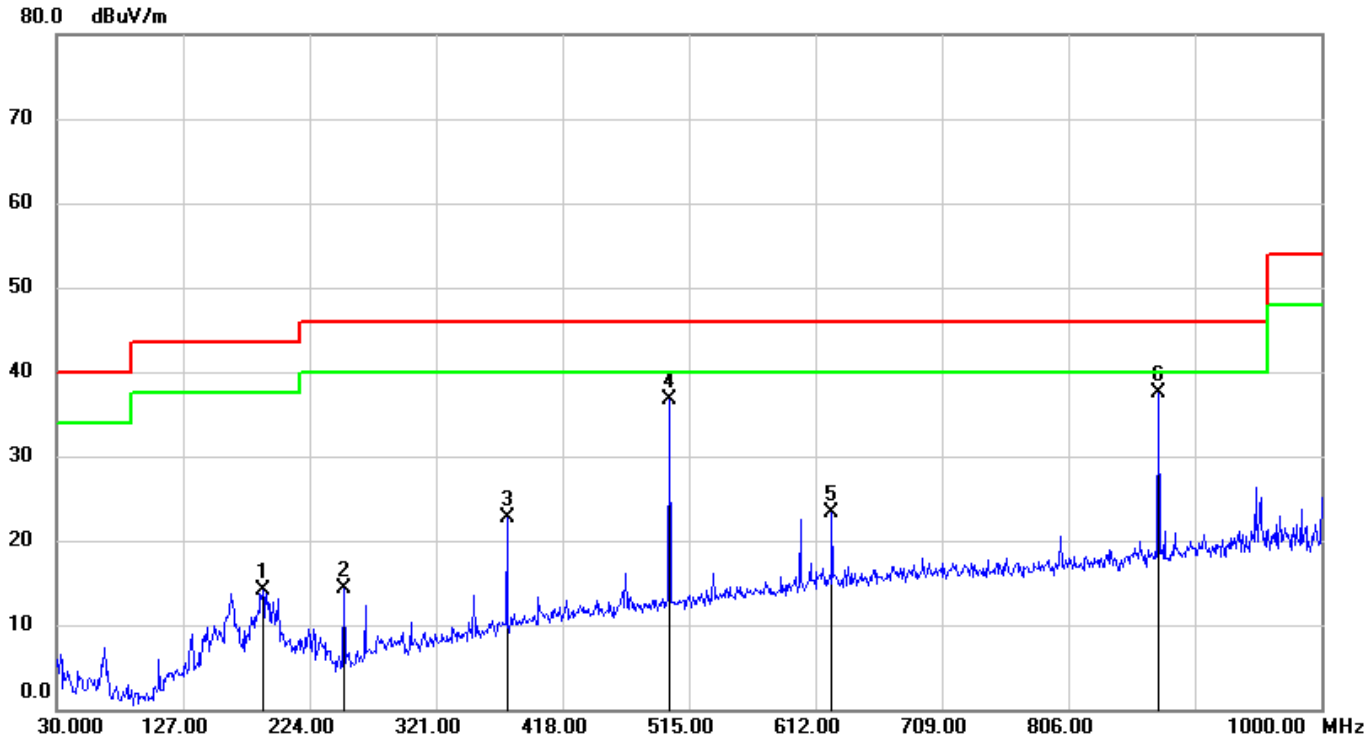
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

7.9. SPURIOUS EMISSIONS 30M ~ 1 GHz

7.9.1. 802.11a MODE

3TX (WORST-CASE CONFIGURATION)

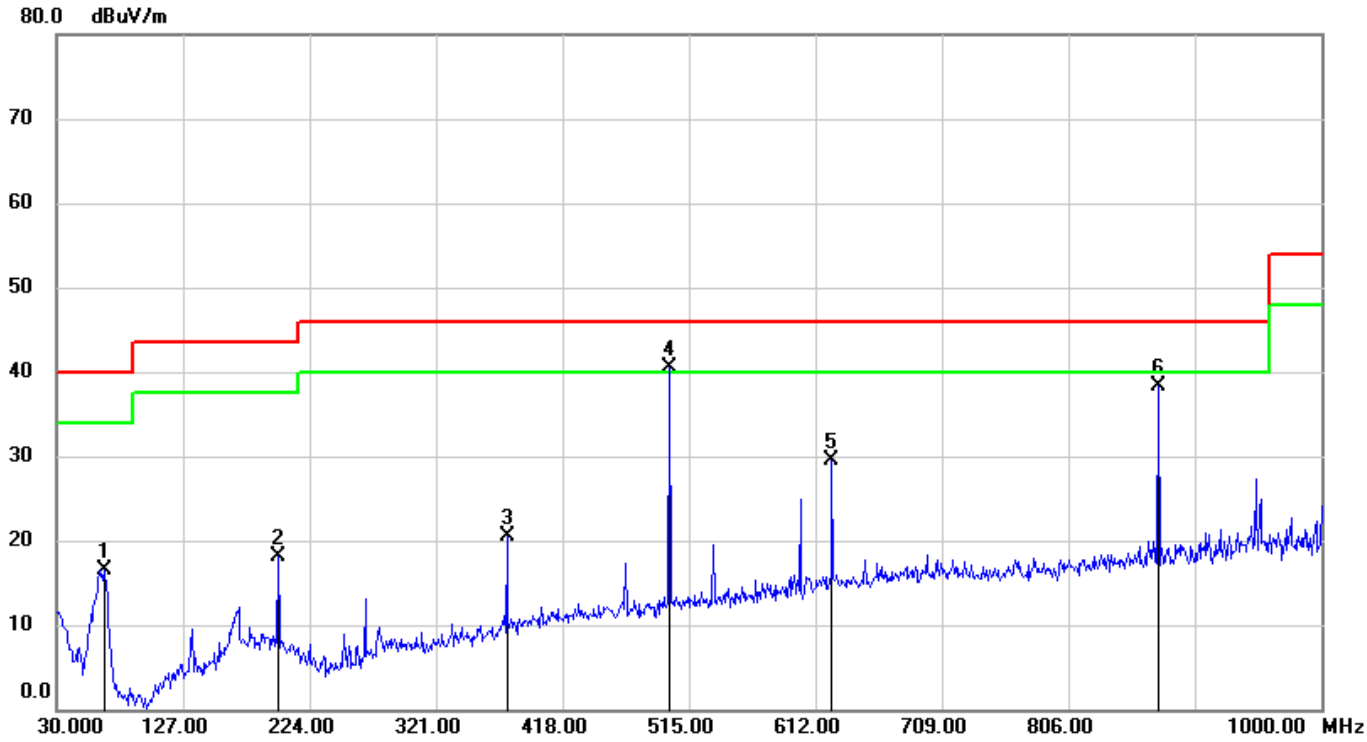
SPURIOUS EMISSIONS (LOW CHANNELHORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	188.1100	29.19	-15.00	14.19	43.50	-29.31	QP
2	250.1900	32.00	-17.70	14.30	46.00	-31.70	QP
3	375.3200	35.66	-13.05	22.61	46.00	-23.39	QP
4	500.4500	47.85	-11.11	36.74	46.00	-9.26	QP
5	624.6100	32.14	-8.80	23.34	46.00	-22.66	QP
6	874.8700	43.11	-5.70	37.41	46.00	-8.59	QP

Note: 1. Result Level = Read Level + Correct Factor.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	66.8600	38.06	-21.52	16.54	40.00	-23.46	QP
2	199.7500	33.03	-14.88	18.15	43.50	-25.35	QP
3	375.3200	33.47	-13.05	20.42	46.00	-25.58	QP
4	500.4500	51.67	-11.11	40.56	46.00	-5.44	QP
5	624.6100	38.31	-8.80	29.51	46.00	-16.49	QP
6	874.8700	43.91	-5.70	38.21	46.00	-7.79	QP

Note: 1. Result Level = Read Level + Correct Factor.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto

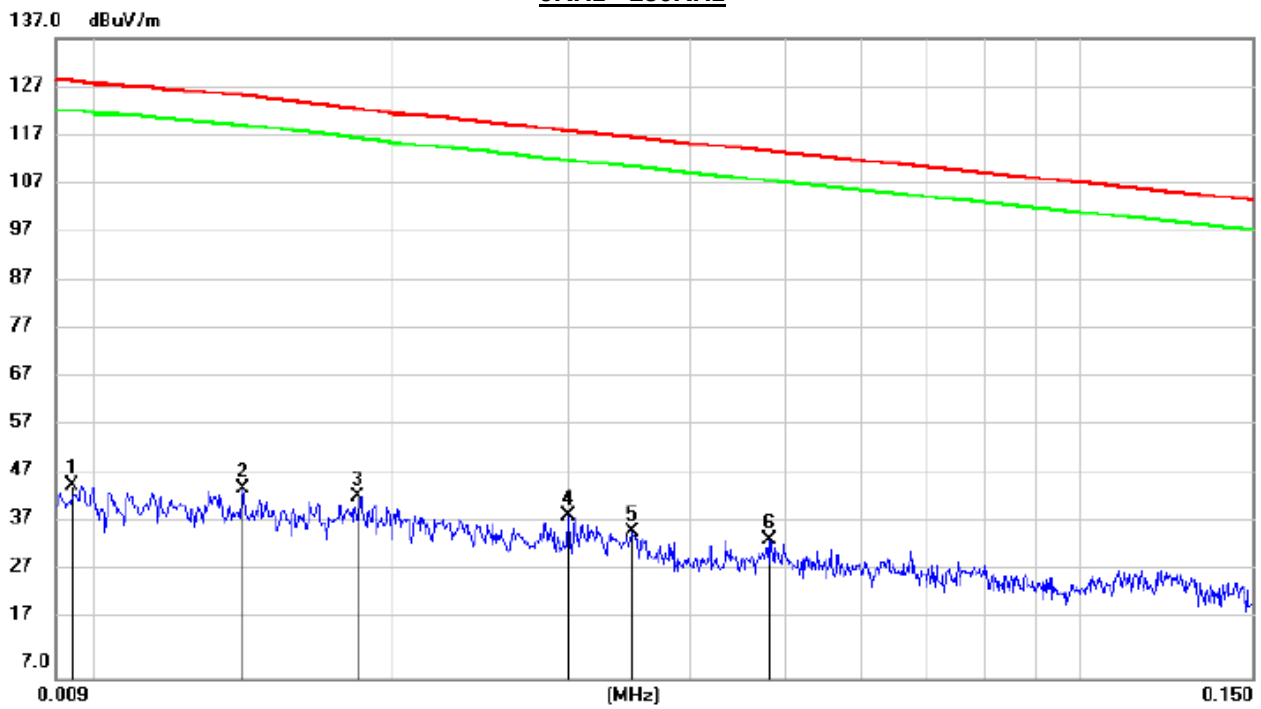
7.10. SPURIOUS EMISSIONS BELOW 30M

7.10.1.802.11a MODE

3TX 5300MHz (WORST-CASE CONFIGURATION)

SPURIOUS EMISSIONS (LOW CHANNELHORIZONTAL)

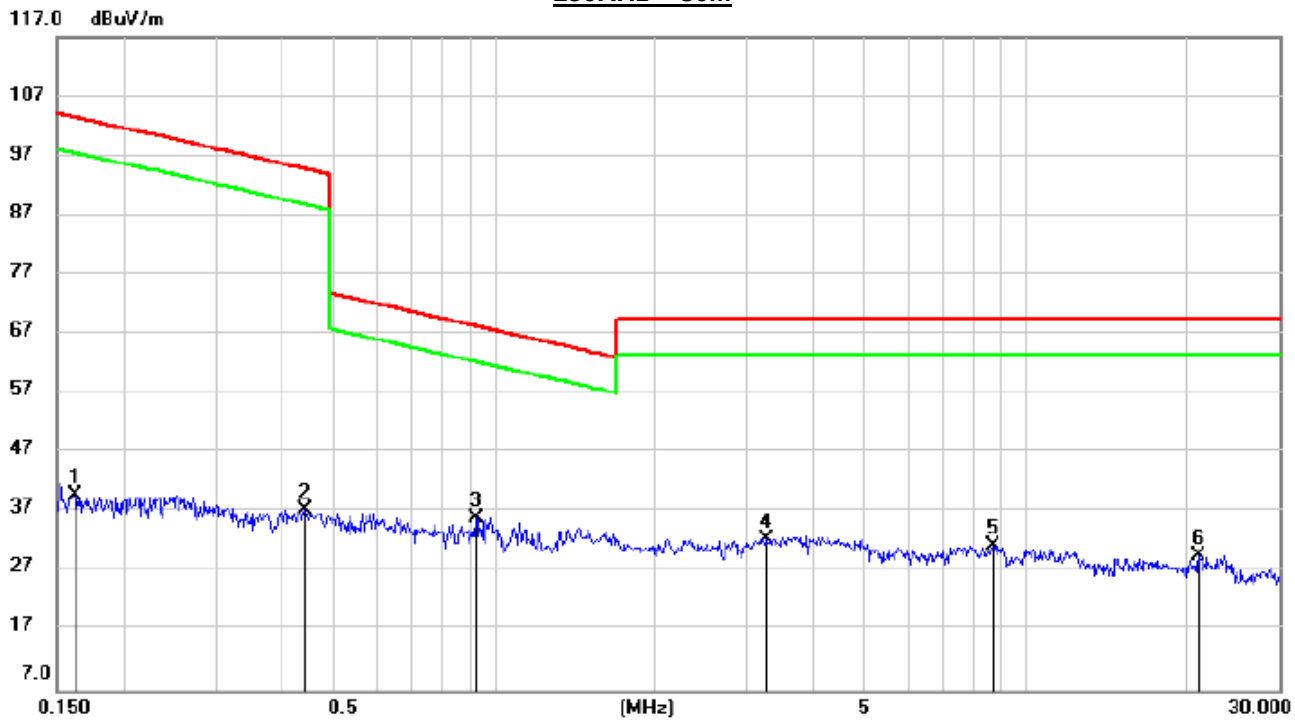
9KHz~ 150KHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		0.0094	25.80	20.26	46.06	128.0	-82.00	QP			
2		0.0140	25.28	20.25	45.53	125.1	-79.66	QP			
3		0.0183	23.70	20.29	43.99	122.6	-78.61	QP			
4	*	0.0300	19.73	20.31	40.04	118.0	-78.02	QP			
5		0.0349	16.48	20.31	36.79	116.8	-80.05	QP			
6		0.0483	14.71	20.31	35.02	113.9	-78.93	QP			

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

150KHz ~ 30M

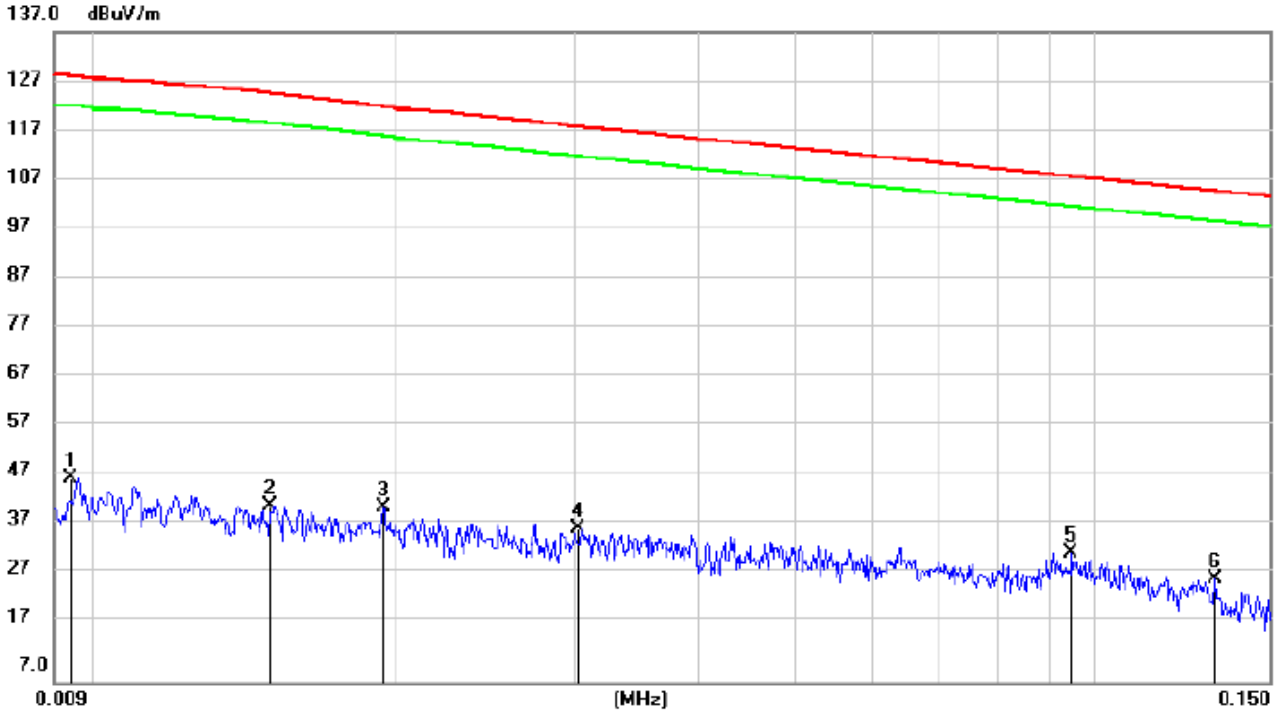


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		0.1621	19.34	20.41	39.75	103.4	-63.66	QP			
2		0.4395	17.23	20.26	37.49	94.79	-57.30	QP			
3	*	0.9233	15.60	20.37	35.97	68.31	-32.34	QP			
4		3.2583	11.54	20.94	32.48	69.54	-37.06	QP			
5		8.6829	10.39	20.99	31.38	69.54	-38.16	QP			
6		21.1471	8.60	21.16	29.76	69.54	-39.78	QP			

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

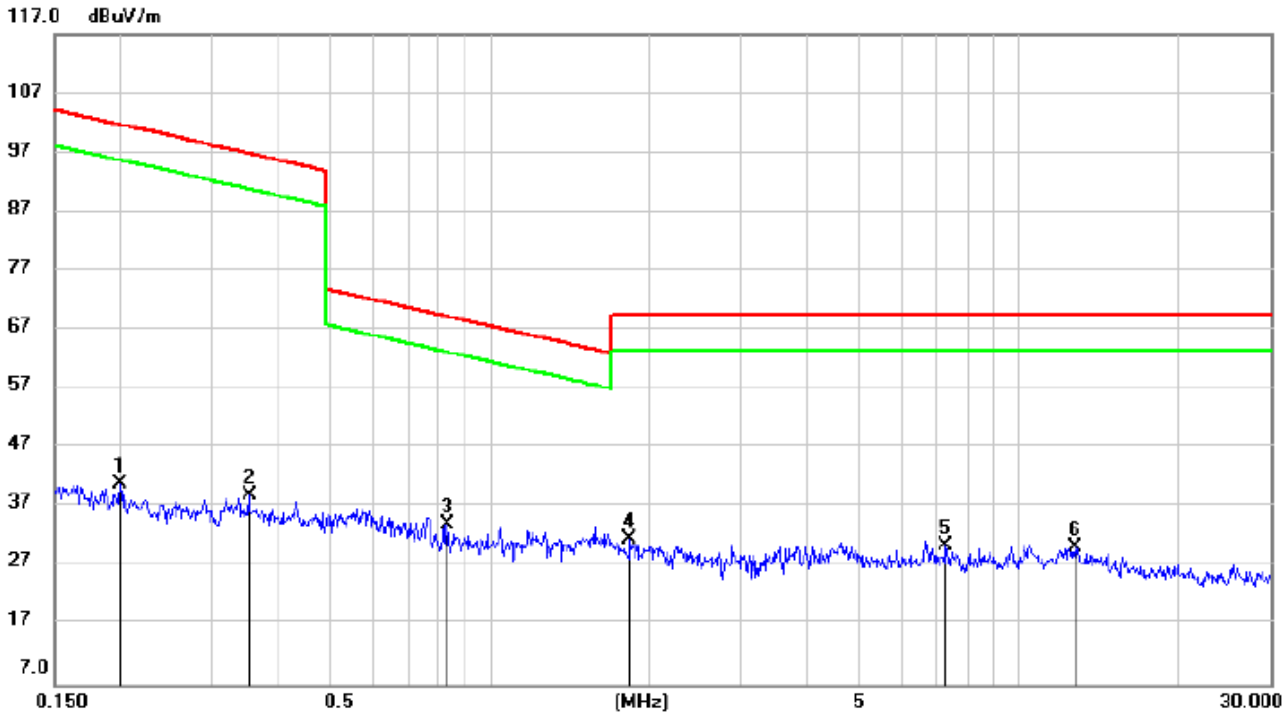
9KHz~ 150KHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		0.0094	27.55	20.26	47.81	128.0	-80.25	QP			
2		0.0149	22.12	20.26	42.38	124.6	-82.27	QP			
3		0.0193	21.61	20.30	41.91	122.0	-80.09	QP			
4		0.0303	17.34	20.31	37.65	117.9	-80.33	QP			
5	*	0.0947	12.76	20.24	33.00	108.0	-75.09	QP			
6		0.1322	7.26	20.35	27.61	105.1	-77.58	QP			

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

150KHz ~ 30M



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		0.1995	20.53	20.37	40.90	101.6	-60.70	QP			
2		0.3502	18.66	20.29	38.95	96.81	-57.86	QP			
3	*	0.8305	13.72	20.36	34.08	69.23	-35.15	QP			
4		1.8386	10.96	20.67	31.63	69.54	-37.91	QP			
5		7.2903	9.71	20.93	30.64	69.54	-38.90	QP			
6		12.7835	9.23	20.99	30.22	69.54	-39.32	QP			

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

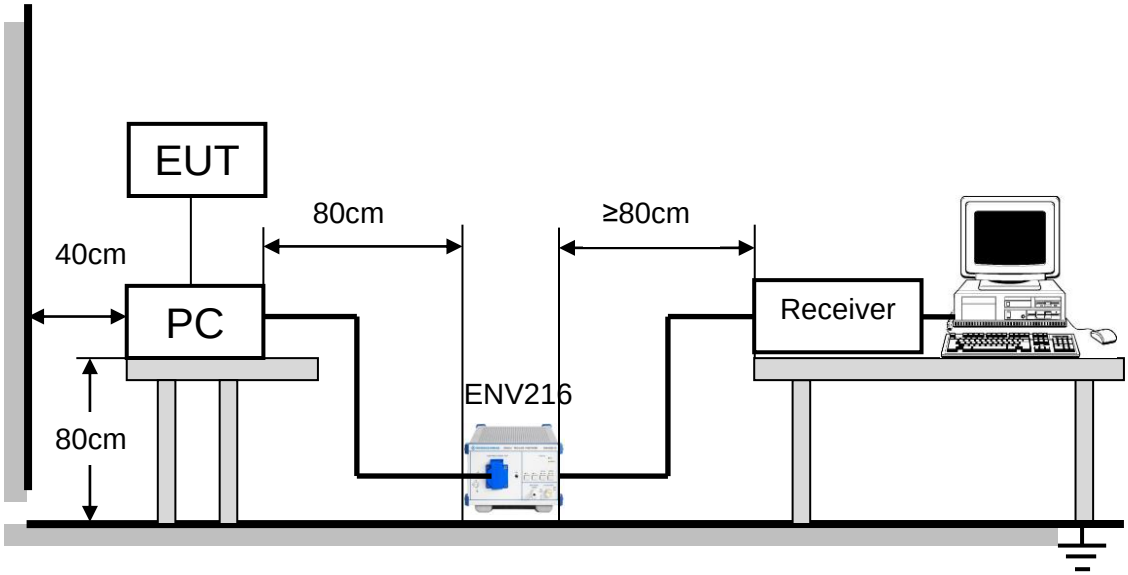
8. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

Please refer to FCC §15.207 (a) and RSS-Gen Clause 8.8

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

TEST SETUP AND PROCEDURE



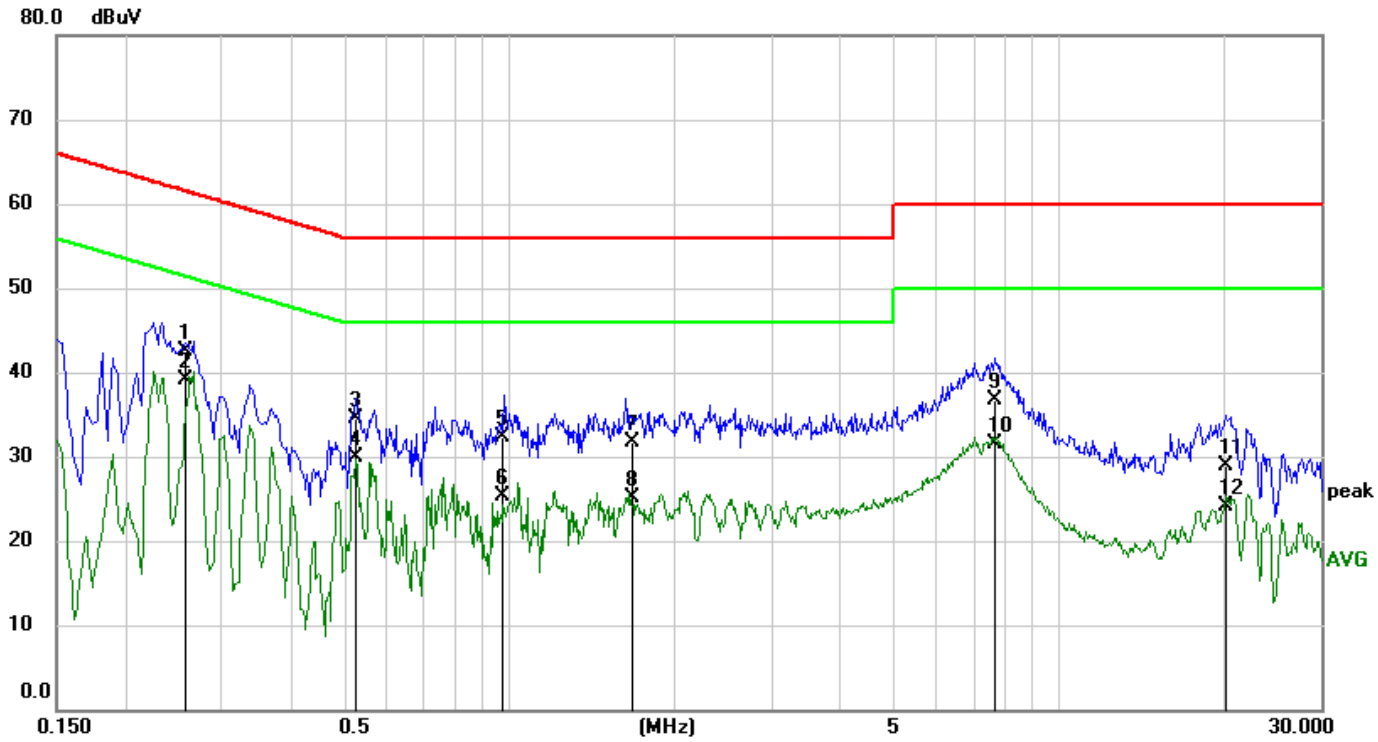
The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 7 and 13 of ANSI C63.10-2013.Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9kHz.
The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST RESULT

8.1. 802.11n20 MODE

3TX 5300MHz (WORST-CASE CONFIGURATION)

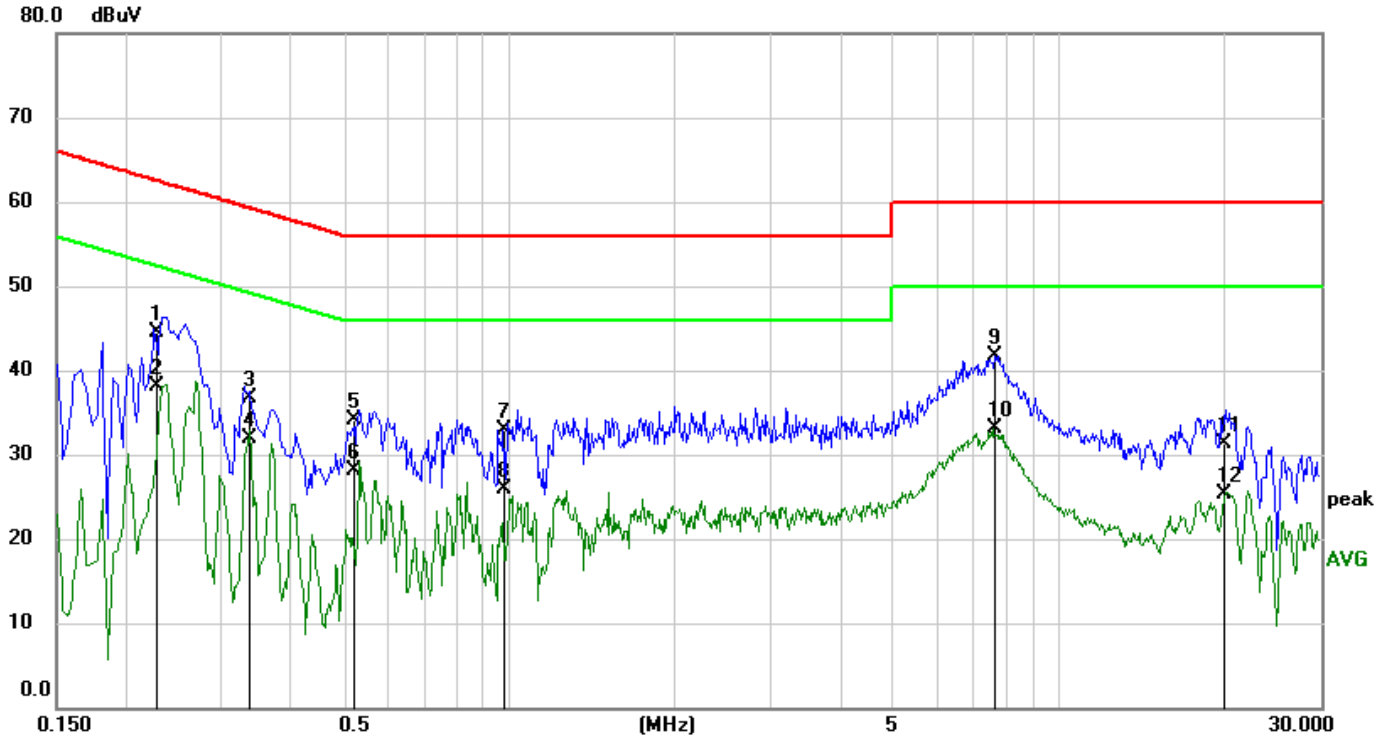
LINE N RESULTS (LOW CHANNEL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2562	32.92	9.63	42.55	61.55	-19.00	QP
2	0.2562	29.44	9.63	39.07	51.55	-12.48	AVG
3	0.5293	24.85	9.63	34.48	56.00	-21.52	QP
4	0.5293	20.21	9.63	29.84	46.00	-16.16	AVG
5	0.9773	22.75	9.63	32.38	56.00	-23.62	QP
6	0.9773	15.73	9.63	25.36	46.00	-20.64	AVG
7	1.6723	22.08	9.65	31.73	56.00	-24.27	QP
8	1.6723	15.39	9.65	25.04	46.00	-20.96	AVG
9	7.6489	26.90	9.84	36.74	60.00	-23.26	QP
10	7.6489	21.61	9.84	31.45	50.00	-18.55	AVG
11	20.1402	18.96	9.89	28.85	60.00	-31.15	QP
12	20.1402	14.14	9.89	24.03	50.00	-25.97	AVG

Note: 1. Result = Reading +Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

LINE L RESULTS (LOW CHANNEL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2292	34.88	9.63	44.51	62.48	-17.97	QP
2	0.2292	28.47	9.63	38.10	52.48	-14.38	AVG
3	0.3342	27.05	9.63	36.68	59.35	-22.67	QP
4	0.3342	22.22	9.63	31.85	49.35	-17.50	AVG
5	0.5246	24.57	9.63	34.20	56.00	-21.80	QP
6	0.5246	18.51	9.63	28.14	46.00	-17.86	AVG
7	0.9832	23.27	9.64	32.91	56.00	-23.09	QP
8	0.9832	16.29	9.64	25.93	46.00	-20.07	AVG
9	7.6737	31.77	9.85	41.62	60.00	-18.38	QP
10	7.6737	23.18	9.85	33.03	50.00	-16.97	AVG
11	20.0412	21.36	9.86	31.22	60.00	-28.78	QP
12	20.0412	15.50	9.86	25.36	50.00	-24.64	AVG

Note: 1. Result = Reading +Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

9. FREQUENCY STABILITY

LIMITS

The frequency of the carrier signal shall be maintained within band of operation

TEST SETUP AND PROCEDURE

Connect the UUT to the spectrum analyser and use the following settings:

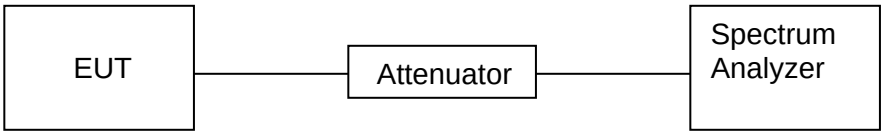
Center Frequency	The center frequency of the channel under test
Detector	PEAK
RBW	10KHz
VBW	≥3 × RBW
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

Allow the trace to stabilize, find the peak value of the power envelope and record the frequency, then calculated the frequency drift.

The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

User manual temperature is 0°C~60°C.

TEST SETUP



TEST RESULTS (WORST-CASE CONFIGURATION)

Frequency Error vs. Voltage:

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11A	Ant A	5300	TN	VL	5300.017	3.21	PASS
			TN	VN	5300.012	2.26	PASS
			TN	VH	5300.019	3.58	PASS
11A	Ant A	5580	TN	VL	5580.019	3.41	PASS
			TN	VN	5580.023	4.34	PASS
			TN	VH	5580.016	3.02	PASS

Frequency Error vs. Temperature:

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11A	Ant A	5300	65	VN	5300.36	6.79	PASS
			60	VN	5300.027	5.09	PASS
			50	VN	5300.024	4.53	PASS
			40	VN	5300.016	3.02	PASS
			30	VN	5300.008	1.51	PASS
			20	VN	5300.012	2.26	PASS
			10	VN	5300.019	3.59	PASS
			0	VN	5300.021	3.96	PASS
			-10	VN	5300.026	4.91	PASS
			-20	VN	5300.024	4.53	PASS
			-30	VN	5300.026	4.91	PASS
			-40	VN	5300.032	6.04	PASS
11A	Ant A	5580	65	VN	5580.035	6.27	PASS
			60	VN	5580.036	6.45	PASS
			50	VN	5580.034	6.09	PASS
			40	VN	5580.031	5.56	PASS
			30	VN	5580.026	4.66	PASS
			20	VN	5580.023	4.34	PASS

			10	VN	5580.018	3.23	PASS
			0	VN	5580.020	3.58	PASS
			-10	VN	5580.016	2.87	PASS
			-20	VN	5580.022	3.94	PASS
			-30	VN	5580.026	4.66	PASS
			-40	VN	5580.034	6.09	PASS

Note 1: All the modulation and channels had been tested, but only the worst data recorded in the report.

10. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §15.203
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)
The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

ANTENNA CONNECTOR

EUT has an external antenna with antenna connector, it will be installed in a specific environment and users cannot change the antenna.

ANTENNA GAIN

The antenna gain of EUT is greater than 6 dBi.

END OF REPORT