

6.4. POWER SPECTRAL DENSITY

LIMITS

CFR 47 FCC Part15, Subpart E ISED RSS-247					
Test Item	Limit	Frequency Range (MHz)			
Power Spectral Density	For FCC: Other than Mobile and portable:17dBm/MHz Mobile and portable:11dBm/MHz	5150-5250			
	For RSS:10dBm/MHz				
	11dBm/MHz	5250-5350			
	11dBm/MHz	For FCC:5470-5725 For IC:5470-5600 5650-5725			
	30dBm/500kHz	5725-5850			

Note: If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.



TEST PROCEDURE

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

For U-NII-1, U-NII-2A and U-NII-2C band:				
Center Frequency	The center frequency of the channel under test			
Detector	RMS			
RBW	1MHz			
VBW	≥3 × RBW			
Span	Encompass the entire emissions bandwidth (EBW) of the signal			
Trace	Max hold			
Sweep time	Auto			
For U-NII-3:				
Center Frequency	The center frequency of the channel under test			
Detector	RMS			
RBW	500kHz			
VBW	≥3 × RBW			
Span	Encompass the entire emissions bandwidth (EBW) of the signal			
Trace	Max hold			
Sweep time	Auto			

Allow trace to fully stabilize and use the peak marker function to determine the maximum amplitude level within the RBW.

TEST SETUP





RESULTS

6.4.1. UNII-1 BAND

Mode	Frequency	Antenna	Conducted PSD (dBm)		Limit	FIRP	EIRP Limit
mode	(MHz)		Single	Total	dBm)	(dBm)	(dBm)
	E190	1	3.621	6.250	11	6.250	10
	5160	2	3.040	0.330		0.300	10
	5200	1	3.279	6.022	11	6.022	10
a	5200	2	2.729	0.023		0.023	10
	5240	1	3.496	6 2 4 2	11	6 2 4 2	10
	5240	2	2.952	0.243		0.243	
	5180	1	2.684	5.383	11	5.383	10
		2	2.038				
	5200	1	2.181	4.793	11	4.793	10
	5200	2	1.344				10
	5240	1	2.287	4.004	11	1 0 0 1	10
	5240	2	1.629	4.901		4.901	
	5100	1	-0.262	2 602	11	2 602	10
	5190	2	-0.56	2.002		2.002	10
ac 1140	ac H140	1	-0.77	2 0 9 2	11	2 0 0 2	10
	5230		-1.091	2.003		2.003	10
	5210	1	-3.932	4 0 1 2	11	4.040	10
	5210	2	-7.116	-4.013		-4.013	
Note: 1 PSD= TEST DLOT Value + 10 log $(1/y)$, where y is the duty avala							

Note: 1.PSD= TEST PLOT Value + 10 log (1/x), where x is the duty cycle.

2.About correction Factor please refer to section 6.1.

3. The EUT only support SISO mode for 802.11a, all the antenna had been tested, but only the worst data recorded in the report.



TEST PLOT

<u>802.11a</u>



























6.4.2. UNII-2A BAND

Mode	Frequency	Antenna	Conducte (dBi	Conducted PSD (dBm)			EIRP Limit
	(IVIHZ)		Single	Total	(авт)	(abm)	(dBm)
	5260	1	3.260	6 100	11	6 1 9 9	11
	5200	2	3.093	0.100	11	0.100	11
0	5290	1	3.987	6 677	11	6 677	11
a	5260	2	3.32	0.077	11	0.077	
	5220	1	3.743	6 620	11	6 620	11
	5520	2	3.493	6.630	11	0.030	
	5260	1	2.045	4 707	11	4.797	11
		2	1.513	4.797			11
00 UT20	HT20 5280	1	2.588	5.269	11	5.269	11
		2	1.902				
	5320	1	2.902	5.754	11	5.754	11
	5520	2	2.580				
	5270	1	-0.810	1 0 9 5	11	1 0 9 5	11
00 UT 40	5270	2	-1.252	1.905	11	1.905	11
ac 1140	5210	1	-0.388	2 204	11	2 201	11
5310	2	-0.878	2.304	11	2.304	11	
	1700 5000	1	-6.031	-3.055	11	2 055	11
ac H180	5290	2	-6.099			-3.055	
Note: 1.PS	D= TEST PLOT	ΓValue + 1	$0 \log (1/x)$, whe	re x is the dut	y cycle.		

2. About correction Factor please refer to section 6.1.

3. The EUT only support SISO mode for 802.11a, all the antenna had been tested, but only the worst data recorded in the report.



TEST PLOT

<u>802.11a</u>



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Axis Si Log Lin

#Video BW 3.0 MHz*

BW 1.0 MH

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6.4.3. UNII-2C BAND

Mode	Mode Frequency		Conduc (dE	ted PSD 3m)	Limit	EIRP	EIRP
Mode	(MHz)	Single Total		(dBm)	(dBm)	(dBm)	
	5500	1	4.411	7 4 5 0	4.4	7 4 5 0	
	5500	2	3.855	7.152	11	7.152	11
	5500	1	5.344	0.4.440	44	0.4.440	4.4
_	5580	2	4.906	8.1419	11	8.1419	11
а	5700	1	5.483	0.010	11	0.010	11
	5700	2	4.909	0.210	11	0.210	11
	5720	1	5.523	9 204	11	9 204	11
	5720	2	5.052	0.304	11	0.304	11
	5500	1	2.815	5 666	11	F 666	11
	5500	2	2.490	000.0	11	000.0	11
	5590	1	3.912	6 700	11	6 700	11
00 UT20	5560	2	3.640	0.788		0.700	
ac mizu		1	4.500	7 0 2 5	11	7 025	11
5700	2	3.468	7.025	11	7.025	11	
	5720	1	4.022	6.800	11	6.800	11
		2	3.545		11		11
	5510	1	0.179	2 995	11	2 995	11
	5510	2	-0.453	2.005	11	2.005	11
	5550	1	0.444	3 3 1 2	11	3 312	11
ac HT40	5550	2	0.155	5.512		5.512	11
ac 11140	5670	1	1.905	1 824	11	1 821	11
	5070	2	1.720	4.024		4.024	
	5710	1	2.407	1 088	11	1 988	11
	5710	2	1.502	4.900		4.900	11
	5530	1	-4.899	_2 108	11	-2 108	11
	5530	2	-5.541	-2.150		-2.150	
20 HT80 5610	1	-5.723	_2 70/	11	-2 70/	11	
2011100	3010	2	-5.887	-2.104		-2.134	
	5690	1	-3.378	-0 758	11	-0 758	11
	0000	2	-4.197	-0.700		-0.700	
Note: 1.PSD= TEST PLOT Value + 10 log (1/x), where x is the duty cycle.							

2.About correction Factor please refer to section 6.1.

3.The EUT only support SISO mode for 802.11a, all the antenna had been tested, but only the worst data recorded in the report.



TEST PLOT

<u>802.11a</u>































6.4.4. UNII-3 BAND

Mode	Frequency	Antenna	Conducted PSD (dBm) (dBm)		EIRP	EIRP Limit	
	(MHZ)		Single	Total	(dBm)	(aBm)	(dBm)
	5745	1	1586	1 1 1 2	30	1 113	30
	5745	2	1.273	4.443	50	4.443	50
2	5795	1	1.004	1 016	30	1 016	30
a	5765	2	1.007	4.010	50	4.010	50
	5825	1	0.879	3 668	30	3 668	30
	5025	2	0.424	5.000	50	5.000	50
	5745	1	-0.284	2 851	30	2.851	30
	5745	2	-0.038	2.001			50
ac HT20	5785	1	0.112	2 001	30	2 001	30
ac 11120	5765	2	-0.343	2.301		2.001	50
	5825	1	-0.490	2 201	30	2 391	30
	5025	2	-0.753	2.001	50	2.001	
	5755	1	-2.592	0 3/2	30	0 3/2	30
ac HT40	5755	2	-2.746	0.542	50	0.042	50
ac 11140	5705	1	-2.238	0 606	30	0.606	30
	5755	2	-2.577	0.000	50	0.000	50
	5775	1	-8.346	5 257	30	5 257	30
ac mou	5775	2	-8.190	-0.207	50	-5.257	50
Note: 1.P	SD= TEST P	LOT Value	+ 10 log (1/	x), where x	is the duty cycle	Э.	
2. About correction Factor please refer to section 6.1.							

2. About correction Factor please refer to section 6.1. 3. The EUT only support SISO mode for 802.11a, all the antenna had been tested, but only the worst data recorded in the report.



TEST PLOT

<u>802.11a</u>























	ANTENNA 2			ANTENNA 1							
	:	5775MHz	:				5775	MHz			
Spectrum Analyzer 1 Swept SA KEYSIGHT Input RF RL + Coupling DC	Input Z: 50 Ω #Atten: 40 dB Corrections Off Preamp. Off	PNO: Fast #Avg Gate: Off Avg[H	Type Power (RMS 1 2 3 4 5 6 old 100/100 A WWW WW	Frequency Settings	Spectrum Analyzer 1 Swept SA KEYSIGHT Input: RF RL + Coupling D	H Input Z: 50 Ω Corrections. Off Corrections. Off	#Atten: 40 dB PNO: Fast Preamp: Off Gate: Off	#Avg Type: Power (RM: Avg)Hold 100/100	\$123456 Awwww	Center Frequency	Settings
1 Spectrum V Scale/Div 10 dB	Ref Lvi Offset 12. Ref Lvi Offset 12. Ref Level 30.00 d	Sig Track: Off 04 dB Bm	A A A A A A Mkr1 5.768 864 GHz -8.190 dBm	Span 141.880000 MHz Swept Span Zero Span	1 Spectrum + Scale/Div 10 dB	Ro Ro	ef Lvi Offset 12.04 dB ef Level 30.00 dBm	Mkr1 5.762 -8	2 571 GHz .346 dBm	Span 131.180000 MHz Swept Span Zero Span	
20.0				Full Span Start Freq 5.704060000 GHz	20.0					Full Span Start Freq 5.709410000 GHz	
-10.0	¹	warman and the second	η —	Stop Freq 5.845940000 GHz	-10.0		•1 			Stop Freq 5.840590000 GHz	
-30.0				CF Step 14.188000 MHz	-30.0 -40.0					CF Step 13.118000 MHz Auto	
-50.0				Freq Offset 0 Hz X Axis Scale	-50.0					Freq Offset 0 Hz X Axis Scale	
Center 5.77500 GHz #Res BW 510 kHz	#Video BW 1.5 M ? Sep 08, 2018	AHz*	Span 141.9 MHz Sweep 1.07 ms (8001 pts)	Log Lin Signal Track (Span Zoom)	Center 5.77500 GHz #Res BW 510 kHz	Sep 08, 2018 1:15:17 PM	#Video BW 1.5 MHz*	Sp Sweep 1.07	an 131.2 MHz ms (8001 pts)	Log Lin Signal Track (Span Zoom)	



7. RADIATED TEST RESULTS

LIMITS

Please refer to CFR 47 FCC §15.205, §15.209 and §15.407(b) (4)

Please refer to ISED RSS-GEN Clause 8.9

Radiation Disturbance Test Limit for FCC (Class B)(9kHz-1GHz)

Frequency	Field Strength	Measurement Distance
(MHz)	(microvolts/meter)	(meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

Note: 1) At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

(2) At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). This paragraph (f) shall not apply to Access BPL devices operating below 30 MHz.



IC Restricted bands please refer to ISED RSS-GEN Clause 8.10. FCC Restricted bands please refer to CFR 47 FCC 15.209.

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

LIMITS OF RADIATED EMISSION MEASUREMENT (Below 1GHz)					
		Field Strength Limit			
Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	(dBuV/m) at 3 m			
	(2) 2.00	Quasi-Peak			
30 - 88	100	40			
88 - 216	150	43.5			
216 - 960	200	46			
Above 960	500	54			
Above 1000	500	Peak	Average		
ADOVE 1000	500	74	54		

Limits of unwanted emission out of the restricted bands

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1GHz)						
Frequency Range		Field Strength Limit				
(MHz) 30 - 88	EIRP Limit	(dBuV/m) at 3 m				
5150~5250 MHz						
5250~5350 MHz	PK:-27 (dBm/MHz)	PK:68.2(dBµV/m)				
5470~5725 MHz						
	PK:-27 (dBm/MHz) *1	PK: 68.2(dBµV/m) *1				
5725~5850 MHz	PK:10 (dBm/MHz) *2	PK:105.2 (dBµV/m) *2				
5725°5650 WI 12	PK:15.6 (dBm/MHz) *3	PK: 110.8(dBµV/m) *3				
	PK:27 (dBm/MHz) *4	PK:122.2 (dBµV/m) *4				

Note:

*1 beyond 75 MHz or more above of the band edge.

*2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.

*3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.

*4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.



TEST SETUP AND PROCEDURE

Below 30MHz



The setting of the spectrum analyser

RBW	200Hz (From 9kHz to 0.15MHz)/ 9kHz (From 0.15MHz to 30MHz)
VBW	200Hz (From 9kHz to 0.15MHz)/ 9kHz (From 0.15MHz to 30MHz)
Sweep	Auto
Detector	Peak/QP/ Average
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013

2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the Antenna 1re set to make the measurement.

3. The EUT was placed on a turntable with 80cm above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

6. Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30m open are test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.





The setting of the spectrum analyzer

RBW	120kHz
VBW	300kHz
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the Antenna 1re set to make the measurement.

3. The EUT was placed on a turntable with 80cm above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.





The setting of the spectrum analyzer

RBW	1MHz
VBW	PEAK: 3MHz AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the Antenna 1re set to make the measurement.

3. The EUT was placed on a turntable with 1.5m above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement above 1GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.

6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector. For the Duty Cycle please refer to clause 6.1. ON TIME AND DUTY CYCLE.



X axis, Y axis, Z axis positions:



Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

Note 2: The EUT was fully exercised with external accessories during the test. In the case of multiple accessory external ports, an external accessory shall be connected to one of each type of port.

7.1. 802.11a MODE

MIMO MODE (WORST-CASE CONFIGURATION)

7.1.1. UNII-1 BAND

RESTRICTED BANDEDGE LOW CHANNEL

HORIZONTAL RESULTS



No	Frequency	Result	Limit	Margin	Pomark
NO.	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	Kemark
1	4700 5438	59.75	74.00	-14.25	peak
1 4/	4700.3430	46.28	54.00	-7.72	average
2	1970 5796	61.30	74.00	-12.70	peak
2	4070.5700	47.80	54.00	-6.20	average
2	5150 0000	61.83	74.00	-12.17	peak
3	5150.0000	48.29	54.00	-5.71	average

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.

4. Only the worst case emission will be recorder, if it complies with the limit, the other emissions deemed to comply with the limit.



VERTICAL RESULTS



No	Frequency	Result	Limit	Margin	Pomark
NO.	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	Kelliark
1	1721 8615	60.11	74.00	-13.89	peak
1	4724.0045	46.24	54.00	-7.76	average
2	4977 7073	61.21	74.00	-12.79	peak
2	4077.7073	47.68	54.00	-6.32	average
3	E1E0 0000	60.14	74.00	-13.86	peak
	5150.0000	46.74	54.00	-7.26	average

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.

4. Only the worst case emission will be recorder, if it complies with the limit, the other emissions deemed to comply with the limit.

deemed to comply with the limit.



HARMONICS AND SPURIOUS EMISSIONS LOW CHANNEL



HORIZONTAL RESULTS <u>1-18GHz</u>

No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	1398.8165	40.53	74	-33.47	54	-13.47	peak
2	2499.9167	47.03	74	-26.97	54	-6.97	peak
3	3749.5416	46.58	74	-27.42	54	-7.42	peak
4	5116.5194	49.87	74	-24.13	54	-4.13	peak
5	8004.8341	50.47	74	-23.53	54	-3.53	peak
6	17171.862	55.97	74	-18.03	54	1.97	peak
7	17171.862	42.71	74	-31.29	54	-11.29	average

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.



VERTICAL RESULTS <u>1-18GHz</u>



No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	1493.2489	43.56	74	-30.44	54	-10.44	peak
2	1795.7993	44.95	74	-29.05	54	-9.05	peak
3	2399.0665	51.40	74	-22.60	54	-2.60	peak
4	6201.1169	50.03	74	-23.97	54	-3.97	peak
5	11543.5906	52.36	74	-21.64	54	-1.64	peak
6	15550.0917	54.63	74	-19.37	54	0.63	peak
7	15550.0917	41.68	74	-32.32	54	-12.32	average
8	17179.5299	54.36	74	-19.64	54	0.36	peak
9	17179.5315	42.95	74	-31.05	54	-11.05	average

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.



HARMONICS AND SPURIOUS EMISSIONS MID CHANNEL



HORIZONTAL RESULTS <u>1-18GHz</u>

No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	1794.8825	42.49	74	-31.51	54	-11.51	peak
2	2499.9167	45.94	74	-28.06	54	-8.06	peak
3	3820.1367	46.48	74	-27.52	54	-7.52	peak
4	5129.3549	49.20	74	-24.80	54	-4.80	peak
5	7908.9848	50.31	74	-23.69	54	-3.69	peak
6	15433.1555	54.94	74	-19.06	54	0.94	peak
7	15433.1555	42.09	74	-31.91	54	-11.91	average
8	17183.3639	55.23	74	-18.77	54	1.23	peak
9	17183.3615	44.27	74	-29.73	54	-9.73	average

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.



VERTICAL RESULTS <u>1-18GHz</u>



No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	1176.9462	38.88	74	-35.12	54	-15.12	peak
2	2391.732	49.62	74	-24.38	54	-4.38	peak
3	3965.911	47.50	74	-26.50	54	-6.50	peak
4	7861.0602	50.88	74	-23.12	54	-3.12	peak
5	11200.4501	52.17	74	-21.83	54	-1.83	peak
6	17206.3677	55.57	74	-18.43	54	1.57	peak
7	17206.3677	43.79	74	-30.21	54	-10.21	average

Note: 1. Measurement = Reading Level + Correct Factor.

If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 Peak: Peak detector.



HARMONICS AND SPURIOUS EMISSIONS HIGH CHANNEL



HORIZONTAL RESULTS <u>1-18GHz</u>

No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	1198.9498	39.95	74	-34.05	54	-14.05	peak
2	2499.9167	46.15	74	-27.85	54	-7.85	peak
3	3933.8223	46.96	74	-27.04	54	-7.04	peak
4	6332.222	50.38	74	-23.62	54	-3.62	peak
5	12396.6494	52.53	74	-21.47	54	-1.47	peak
6	17194.8658	56.60	74	-17.40	54	2.60	peak
7	17194.8658	44.10	74	-29.90	54	-9.90	average

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.



VERTICAL RESULTS <u>1-18GHz</u>



No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	2390.8151	50.49	74	-23.51	54	-3.51	peak
2	3822.8871	47.08	74	-26.92	54	-6.92	peak
3	6008.5848	50.64	74	-23.36	54	-3.36	peak
4	8052.7588	50.54	74	-23.46	54	-3.46	peak
5	11547.4246	52.3	74	-21.70	54	-1.70	peak
6	15438.9065	54.51	74	-19.49	54	0.51	peak
7	15438.9065	41.49	74	-32.51	54	-12.51	average
8	17202.5338	54.18	74	-19.82	54	0.18	peak
9	17202.5338	43.98	74	-20.02	54	-10.02	average

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.



7.1.2. UNII-2A BAND

RESTRICTED BANDEDGE HIGH CHANNEL



HORIZONTAL RESULTS

No	Frequency	Result	Limit	Margin	Pomark
NO.	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	Remark
1	5350.0000	61.22	74.00	-12.78	peak
1		47.59	54.00	-6.41	average
2	5410 0000	60.76	74.00	-13.24	peak
	0419.0990	47.31	54.00	-6.69	average

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.

4. Only the worst case emission will be recorder, if it complies with the limit, the other emissions deemed to comply with the limit.