



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:

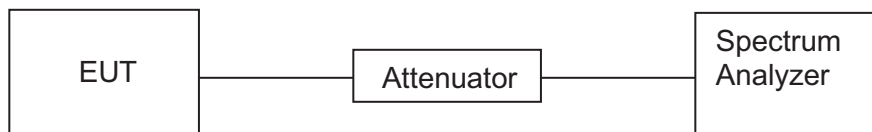
Center Frequency	The center frequency of the channel under test
Detector	RMS
RBW	1MHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

For U-NII-3:

Center Frequency	The center frequency of the channel under test
Detector	RMS
RBW	500kHz
VBW	$\geq 3 \times \text{RBW}$
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

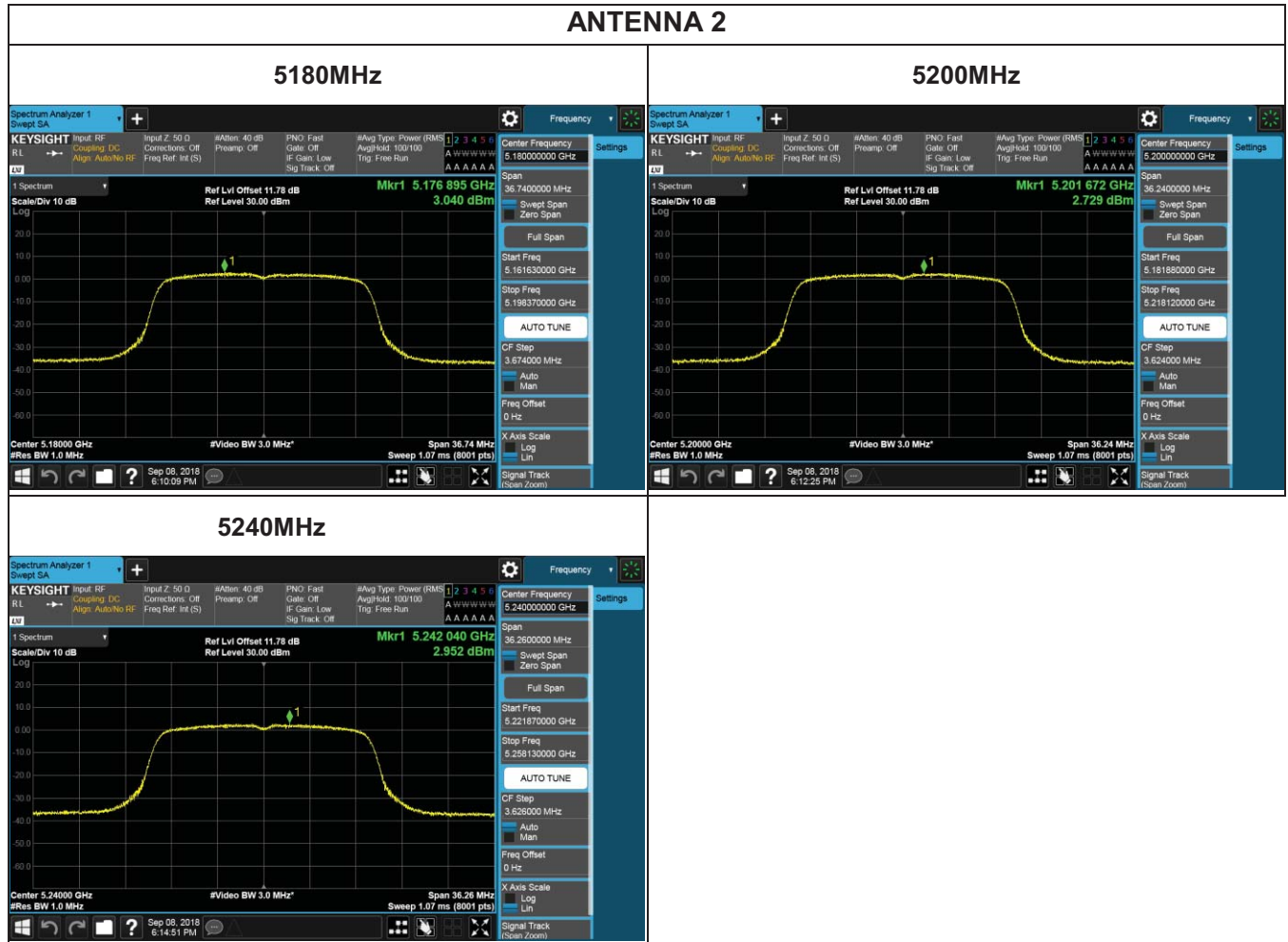
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)		Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
			Single	Total			
a	5180	1	3.621	6.350	11	6.350	10
		2	3.040				
	5200	1	3.279	6.023	11	6.023	10
		2	2.729				
	5240	1	3.496	6.243	11	6.243	10
		2	2.952				
ac HT20	5180	1	2.684	5.383	11	5.383	10
		2	2.038				
	5200	1	2.181	4.793	11	4.793	10
		2	1.344				
	5240	1	2.287	4.981	11	4.981	10
		2	1.629				
ac HT40	5190	1	-0.262	2.602	11	2.602	10
		2	-0.56				
	5230	1	-0.77	2.083	11	2.083	10
		2	-1.091				
ac HT80	5210	1	-3.932	-4.013	11	-4.013	10
		2	-7.116				

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.



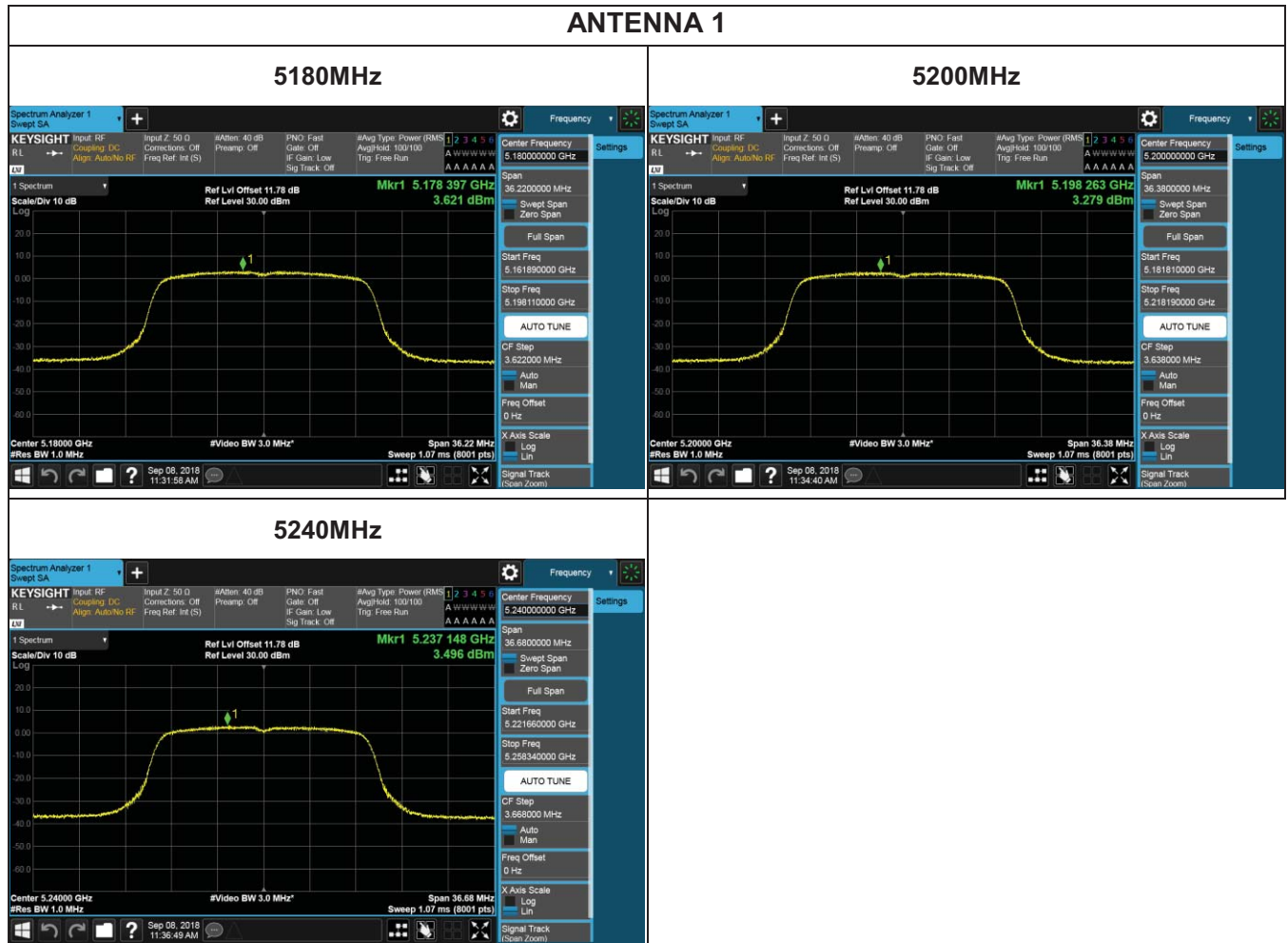
TEST PLOT

802.11a





ANTENNA 1



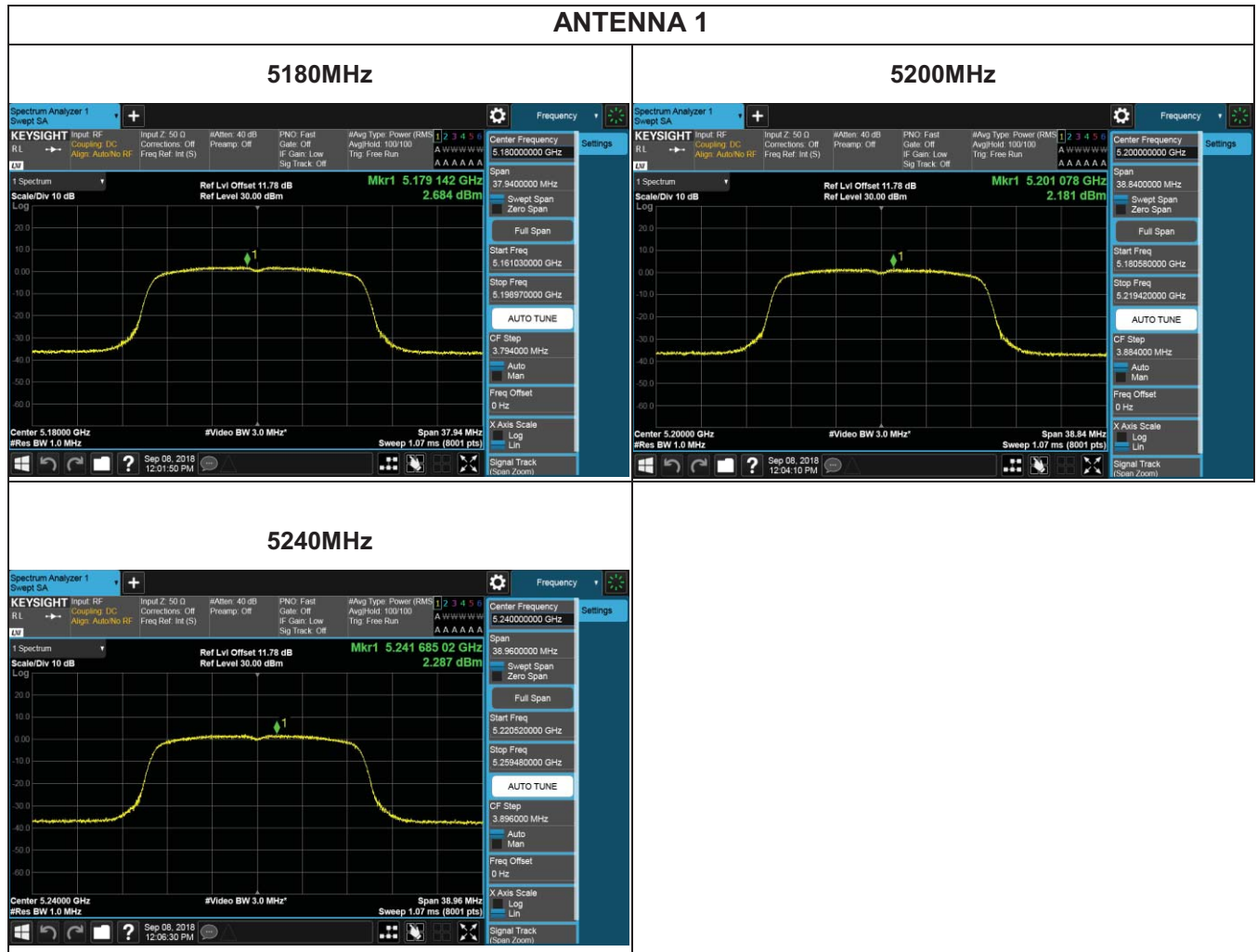


802.11ac HT20



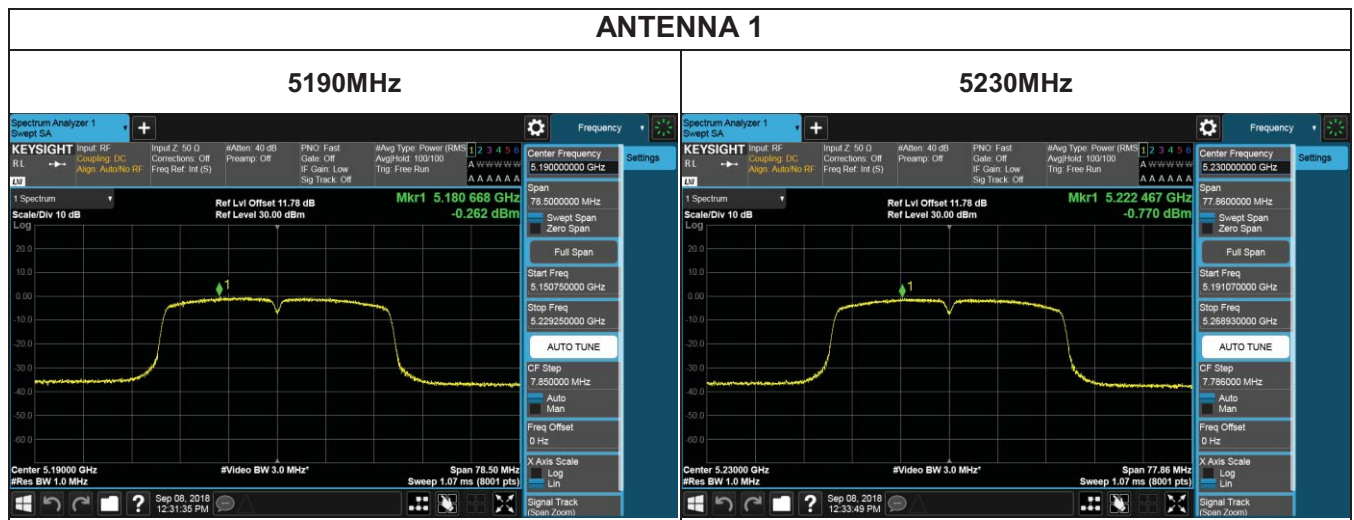
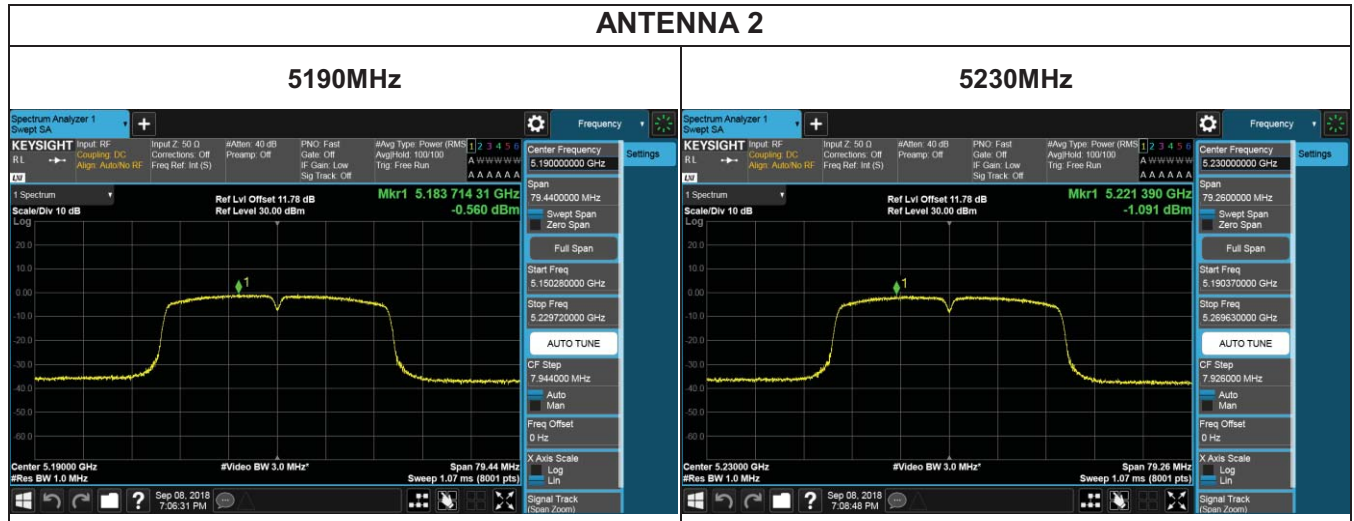


ANTENNA 1



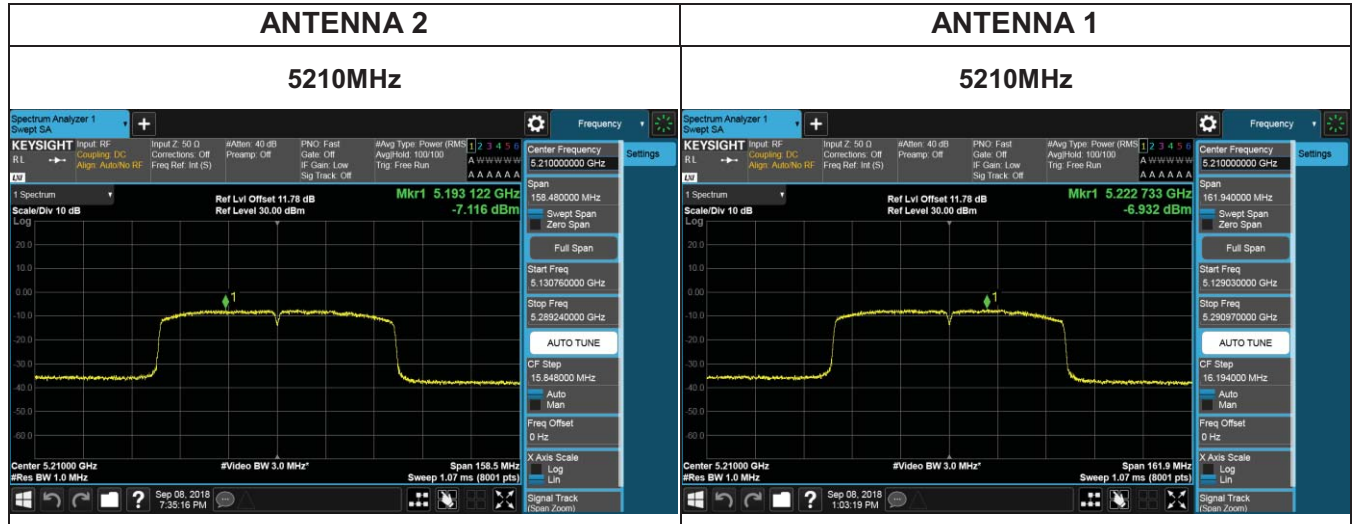


802.11ac HT40





802.11ac HT80





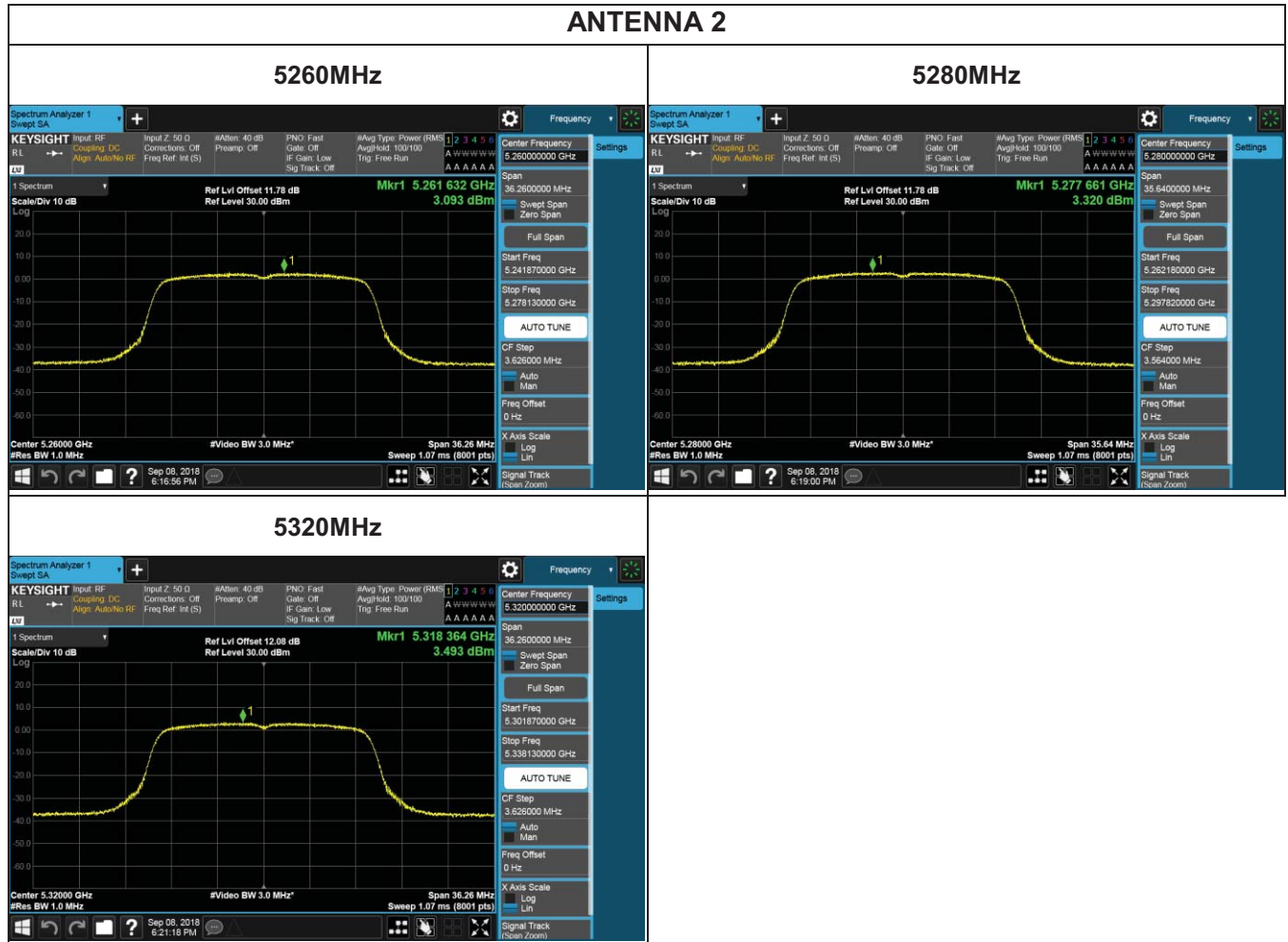
6.4.2. UNII-2A BAND

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)		Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
			Single	Total			
a	5260	1	3.260	6.188	11	6.188	11
		2	3.093				
	5280	1	3.987	6.677	11	6.677	11
		2	3.32				
	5320	1	3.743	6.630	11	6.630	11
		2	3.493				
ac HT20	5260	1	2.045	4.797	11	4.797	11
		2	1.513				
	5280	1	2.588	5.269	11	5.269	11
		2	1.902				
	5320	1	2.902	5.754	11	5.754	11
		2	2.580				
ac HT40	5270	1	-0.810	1.985	11	1.985	11
		2	-1.252				
	5310	1	-0.388	2.384	11	2.384	11
		2	-0.878				
ac HT80	5290	1	-6.031	-3.055	11	-3.055	11
		2	-6.099				
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.							



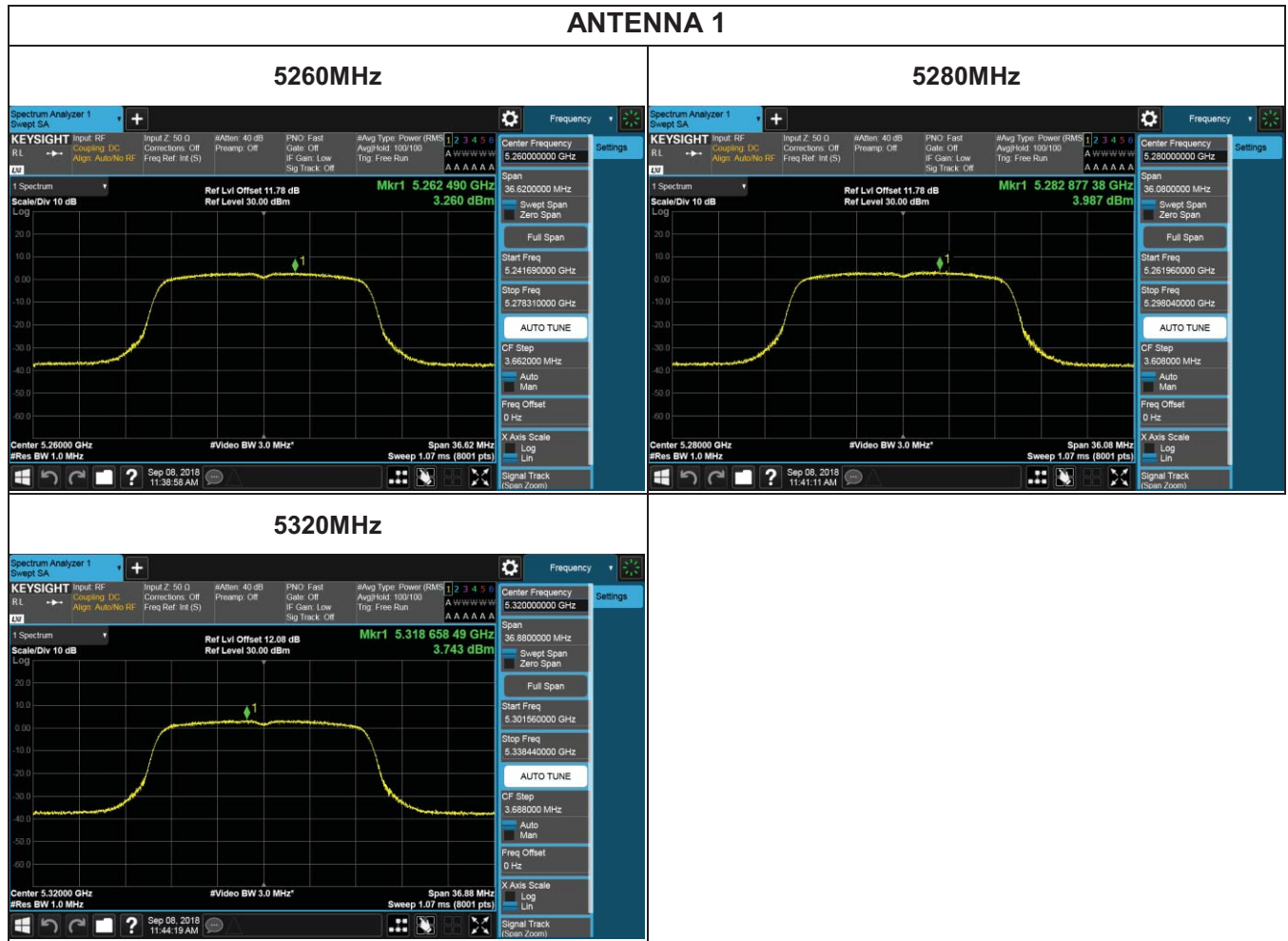
TEST PLOT

802.11a



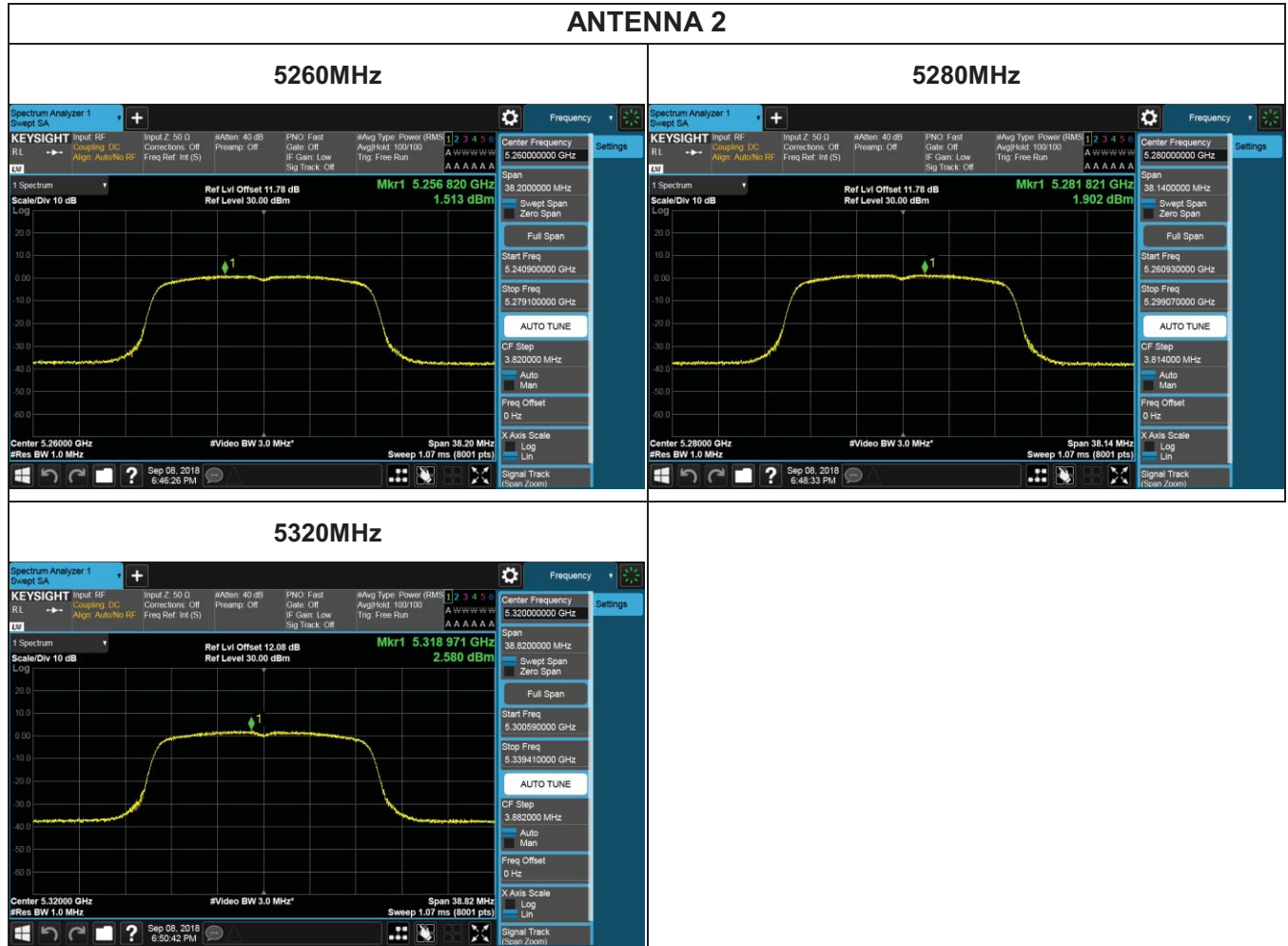


ANTENNA 1



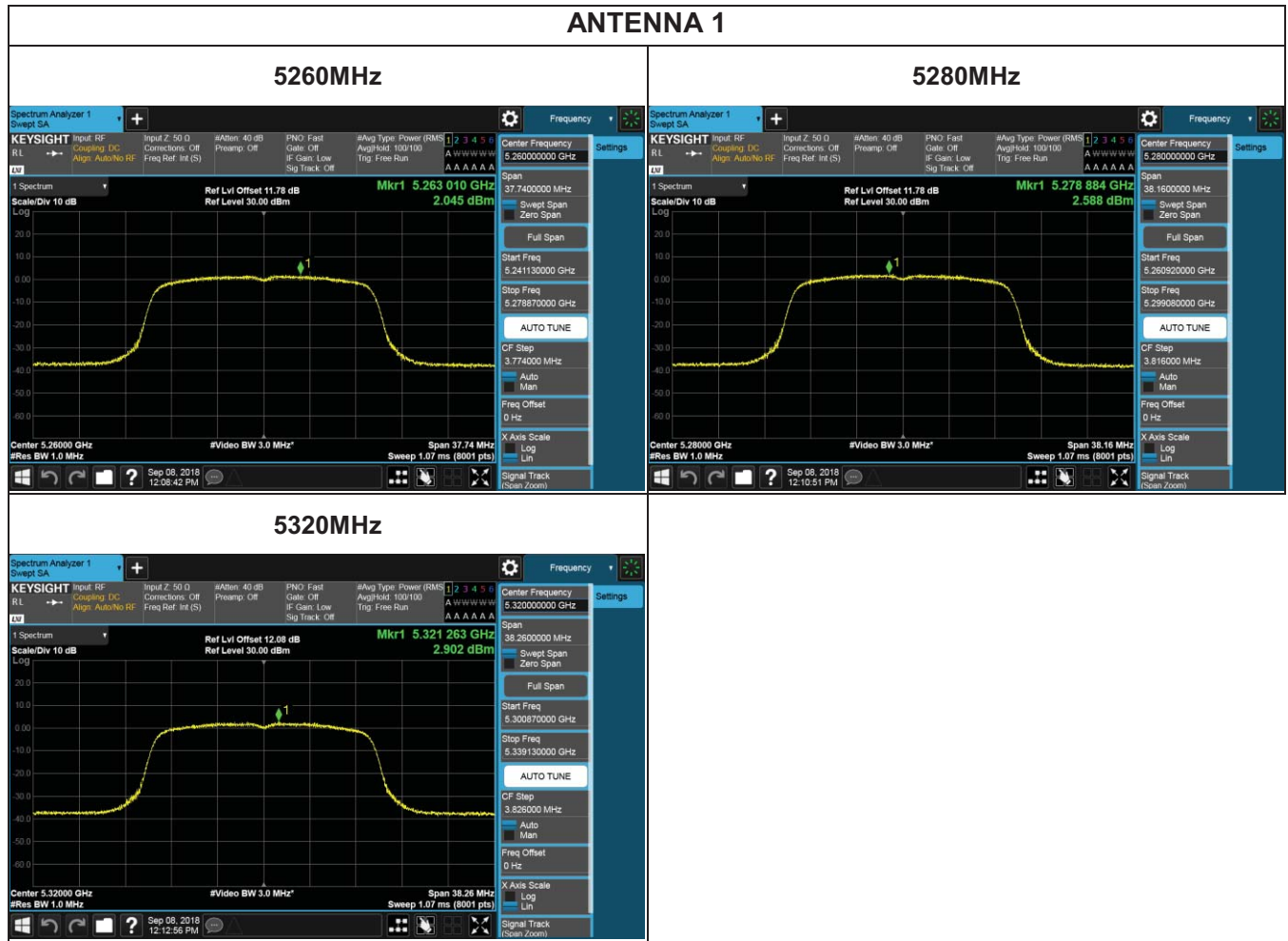


802.11ac HT20



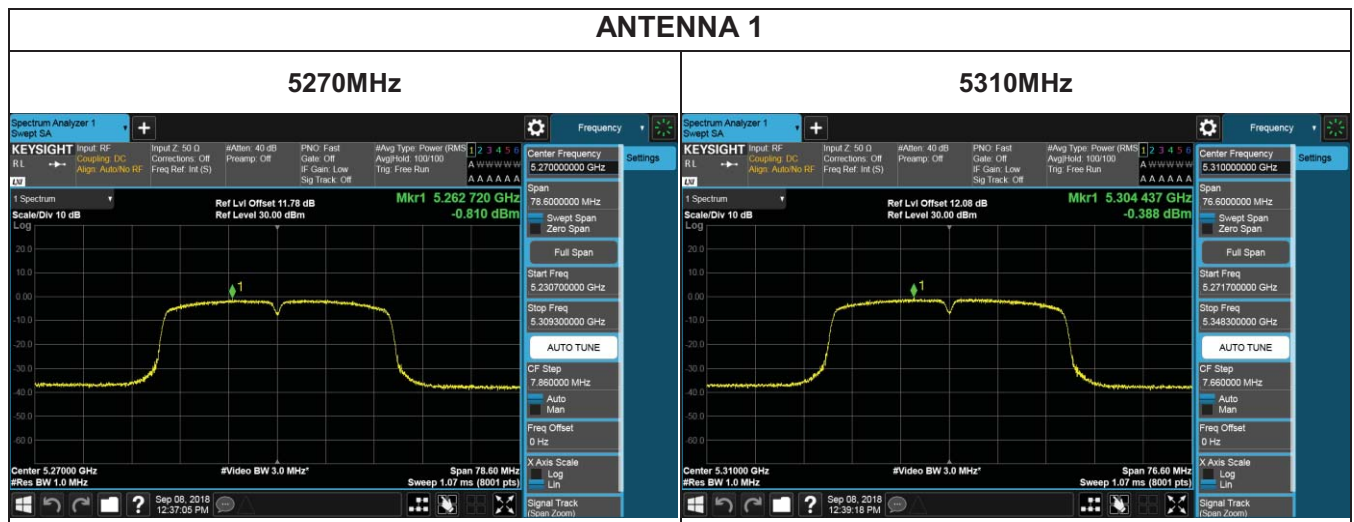
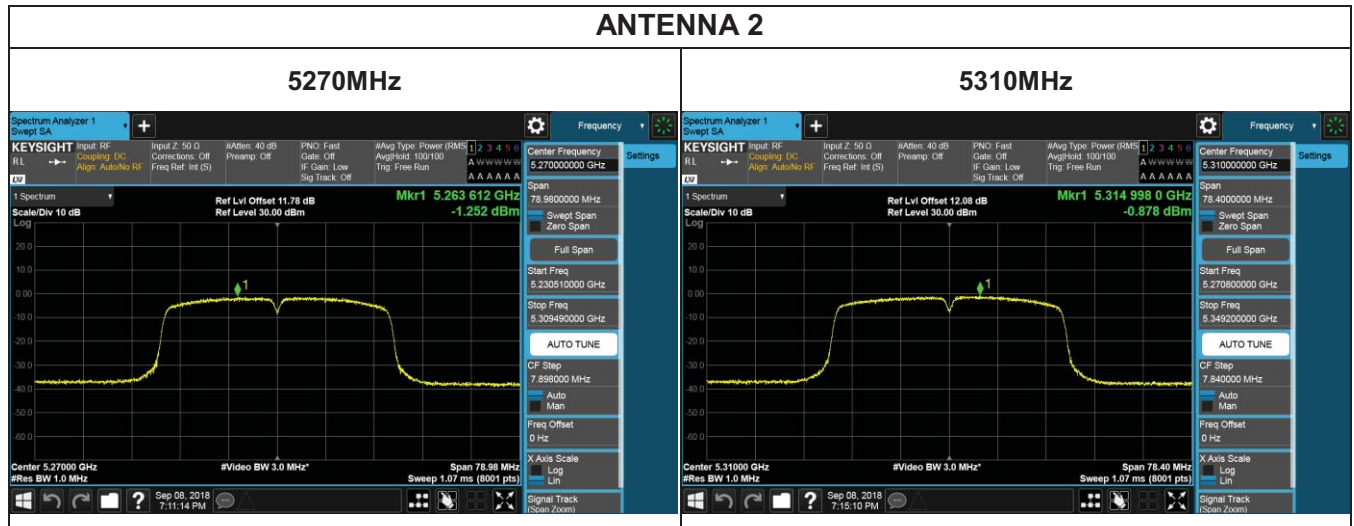


ANTENNA 1



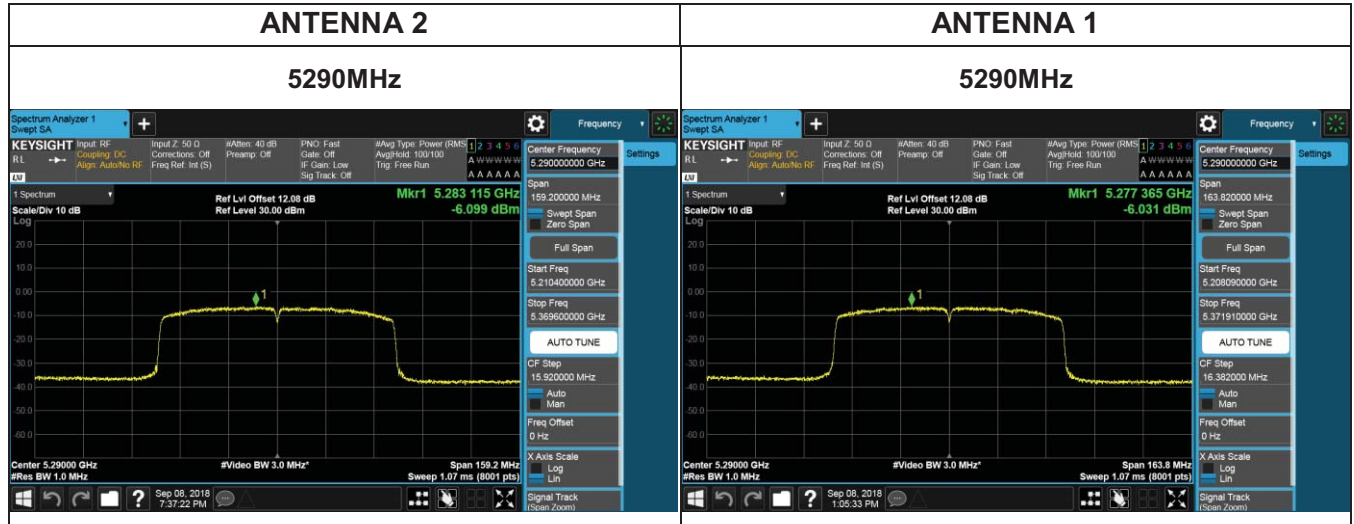


802.11ac HT40





802.11ac HT80





6.4.3. UNII-2C BAND

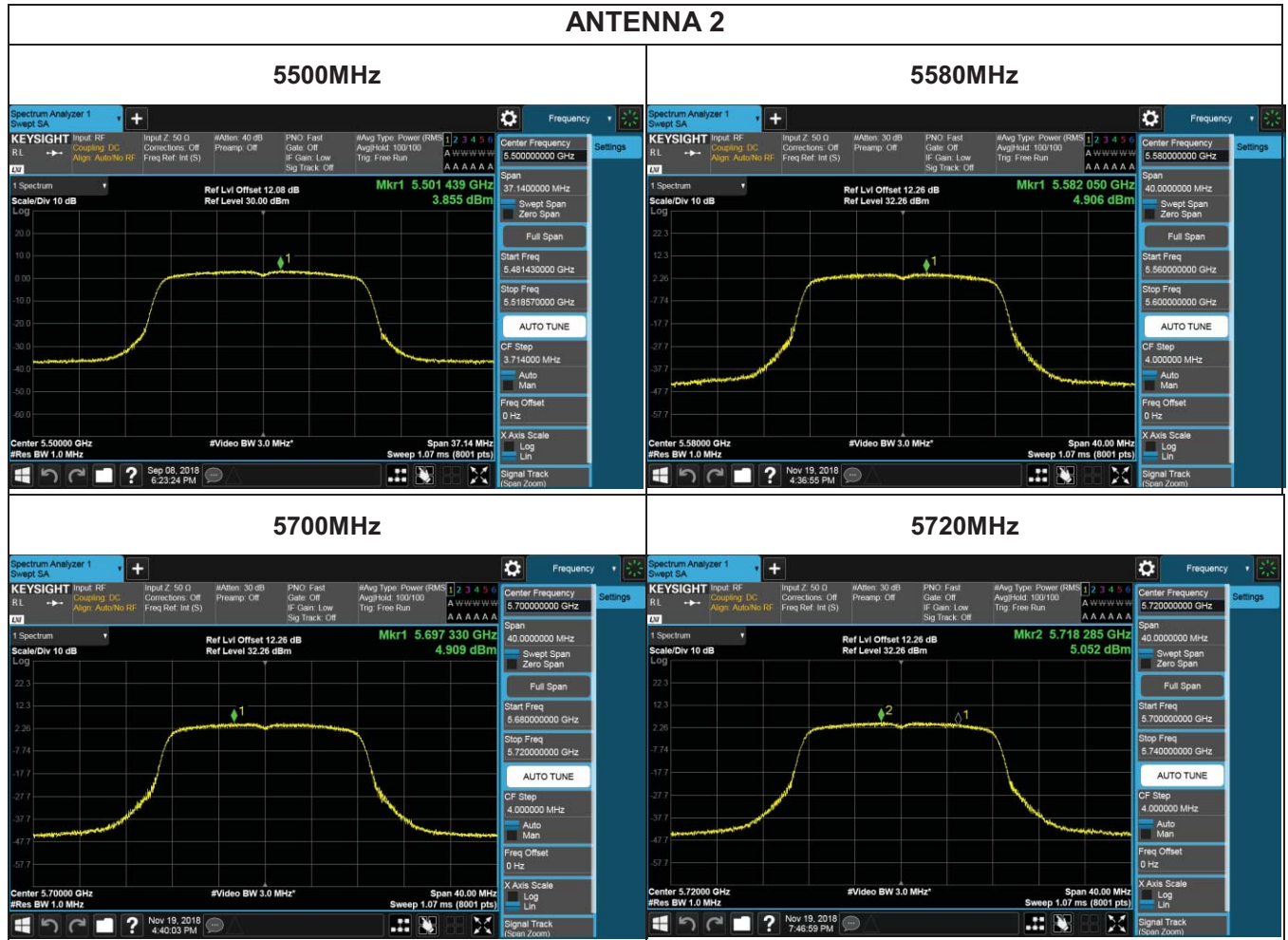
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)		Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
			Single	Total			
a	5500	1	4.411	7.152	11	7.152	11
		2	3.855				
	5580	1	5.344	8.1419	11	8.1419	11
		2	4.906				
	5700	1	5.483	8.216	11	8.216	11
		2	4.909				
	5720	1	5.523	8.304	11	8.304	11
		2	5.052				
ac HT20	5500	1	2.815	5.666	11	5.666	11
		2	2.490				
	5580	1	3.912	6.788	11	6.788	11
		2	3.640				
	5700	1	4.500	7.025	11	7.025	11
		2	3.468				
	5720	1	4.022	6.800	11	6.800	11
		2	3.545				
ac HT40	5510	1	0.179	2.885	11	2.885	11
		2	-0.453				
	5550	1	0.444	3.312	11	3.312	11
		2	0.155				
	5670	1	1.905	4.824	11	4.824	11
		2	1.720				
	5710	1	2.407	4.988	11	4.988	11
		2	1.502				
ac HT80	5530	1	-4.899	-2.198	11	-2.198	11
		2	-5.541				
	5610	1	-5.723	-2.794	11	-2.794	11
		2	-5.887				
	5690	1	-3.378	-0.758	11	-0.758	11
		2	-4.197				

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.



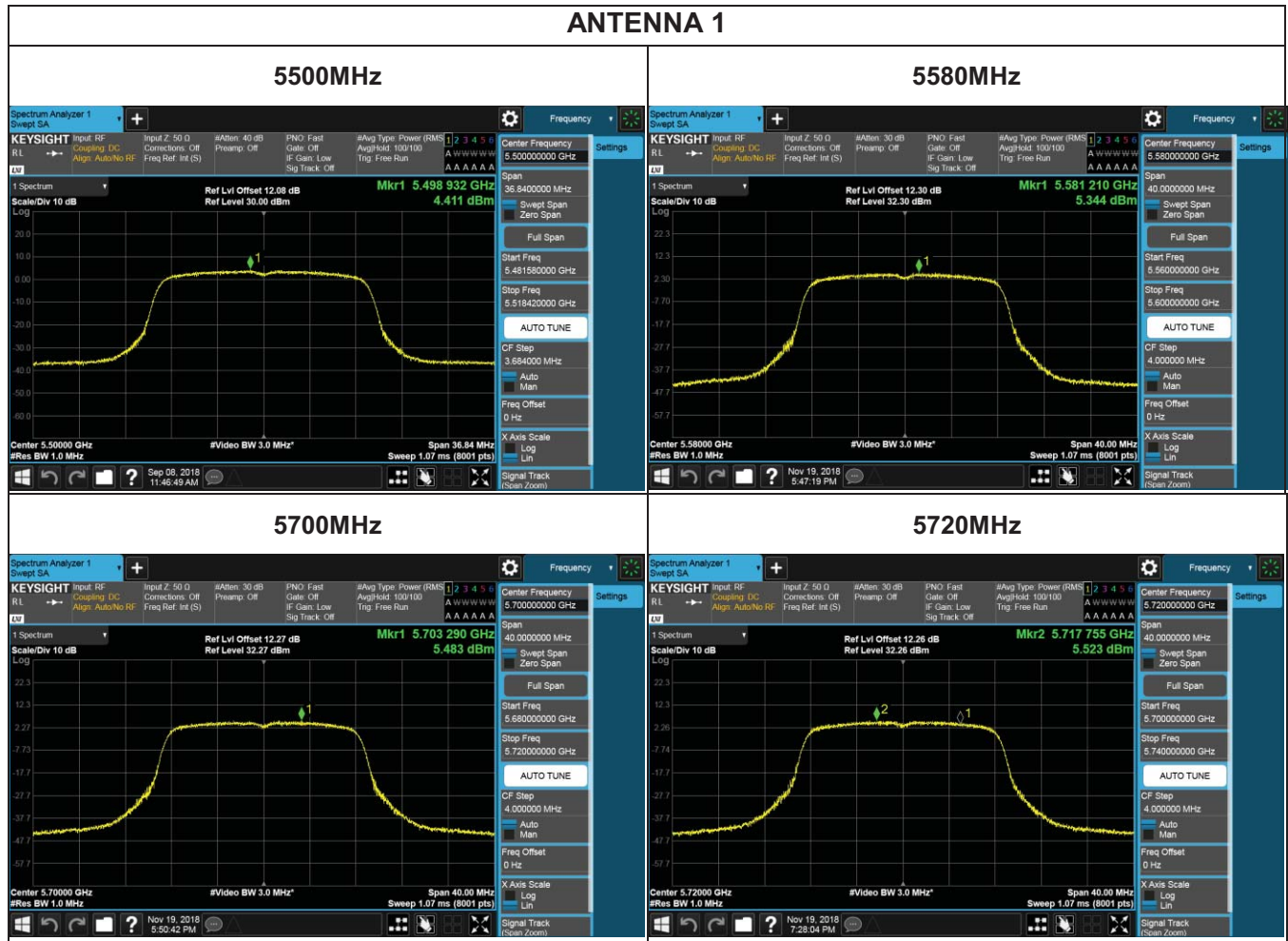
TEST PLOT

802.11a



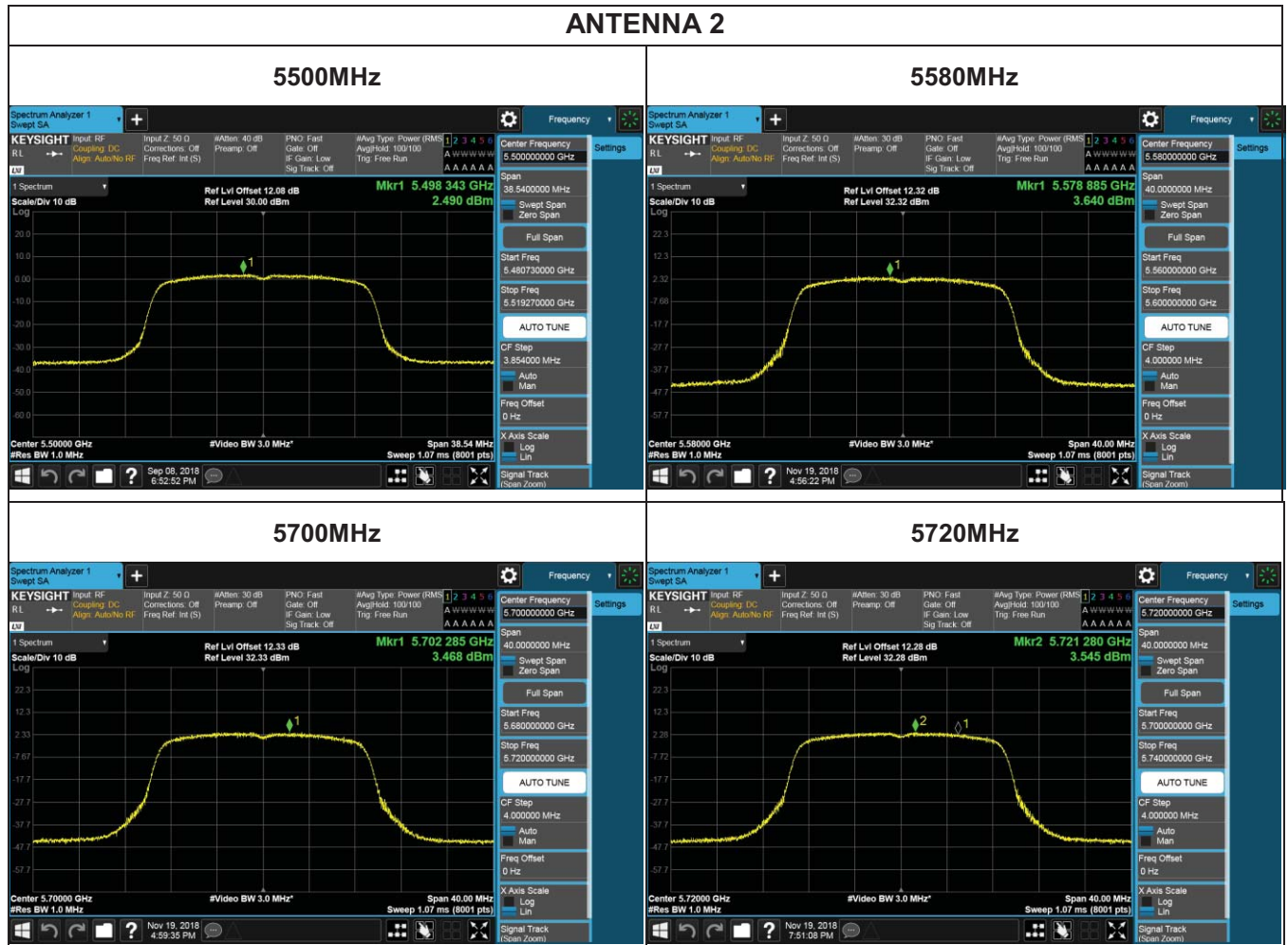


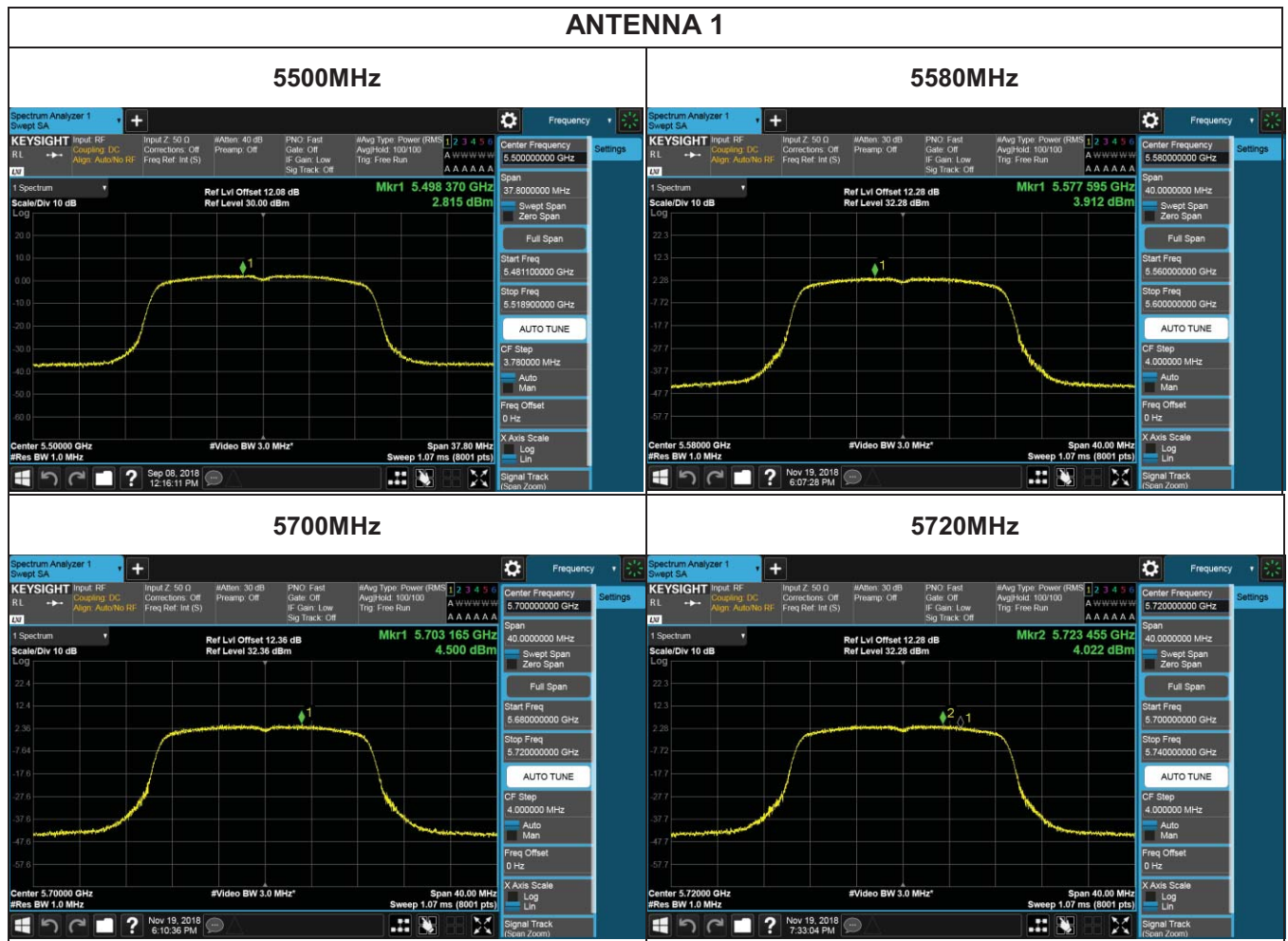
ANTENNA 1





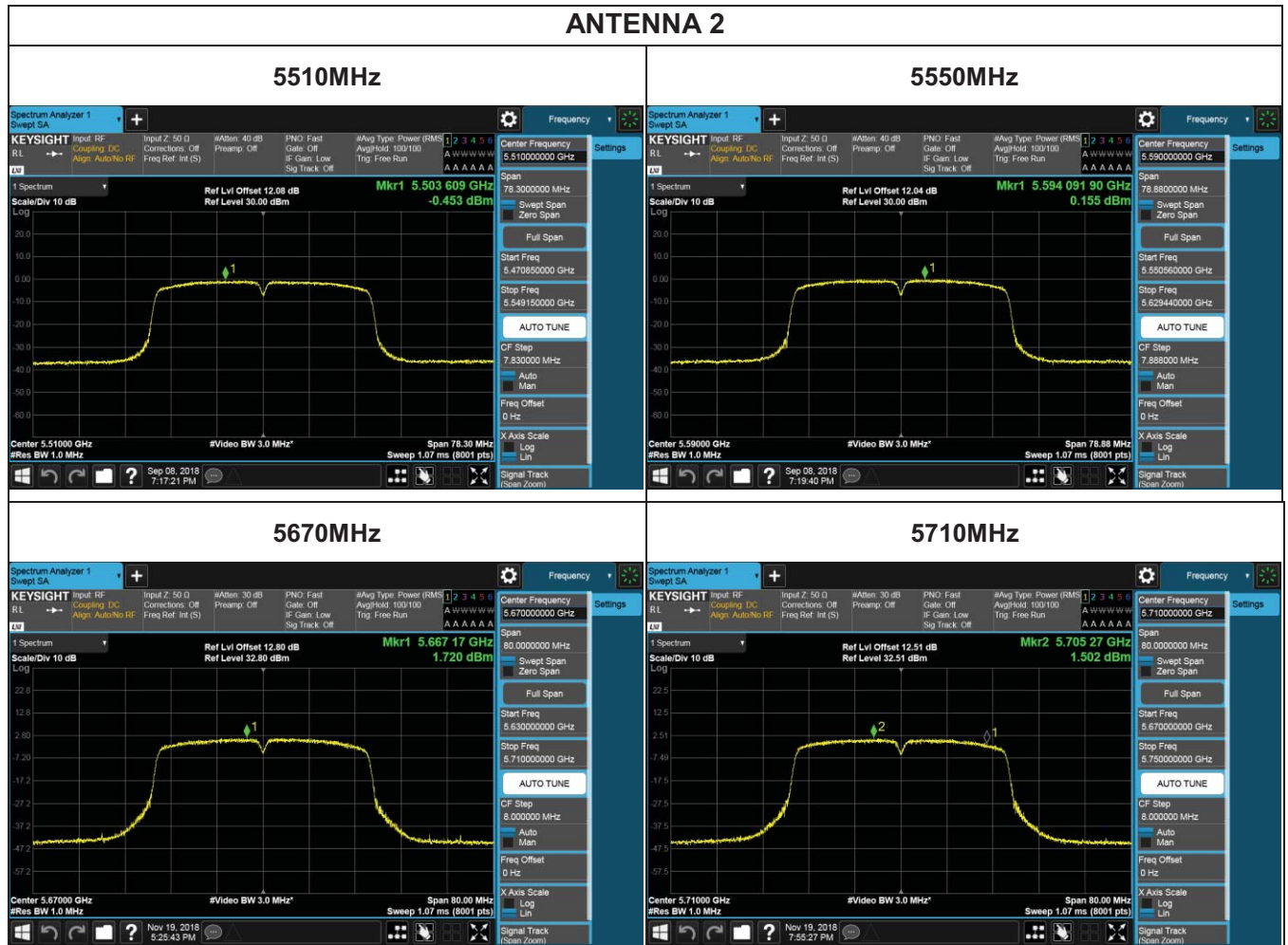
802.11ac HT20

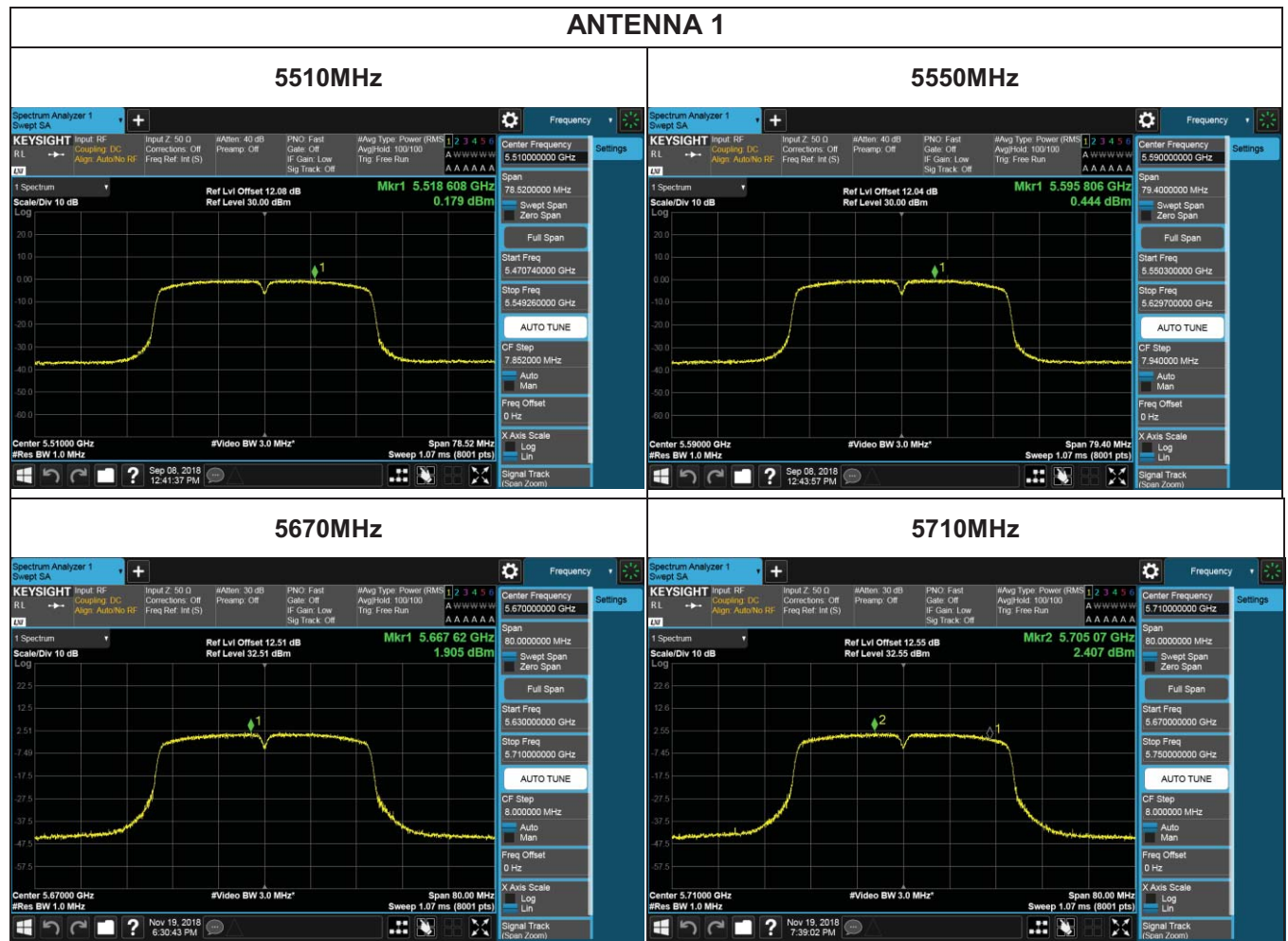






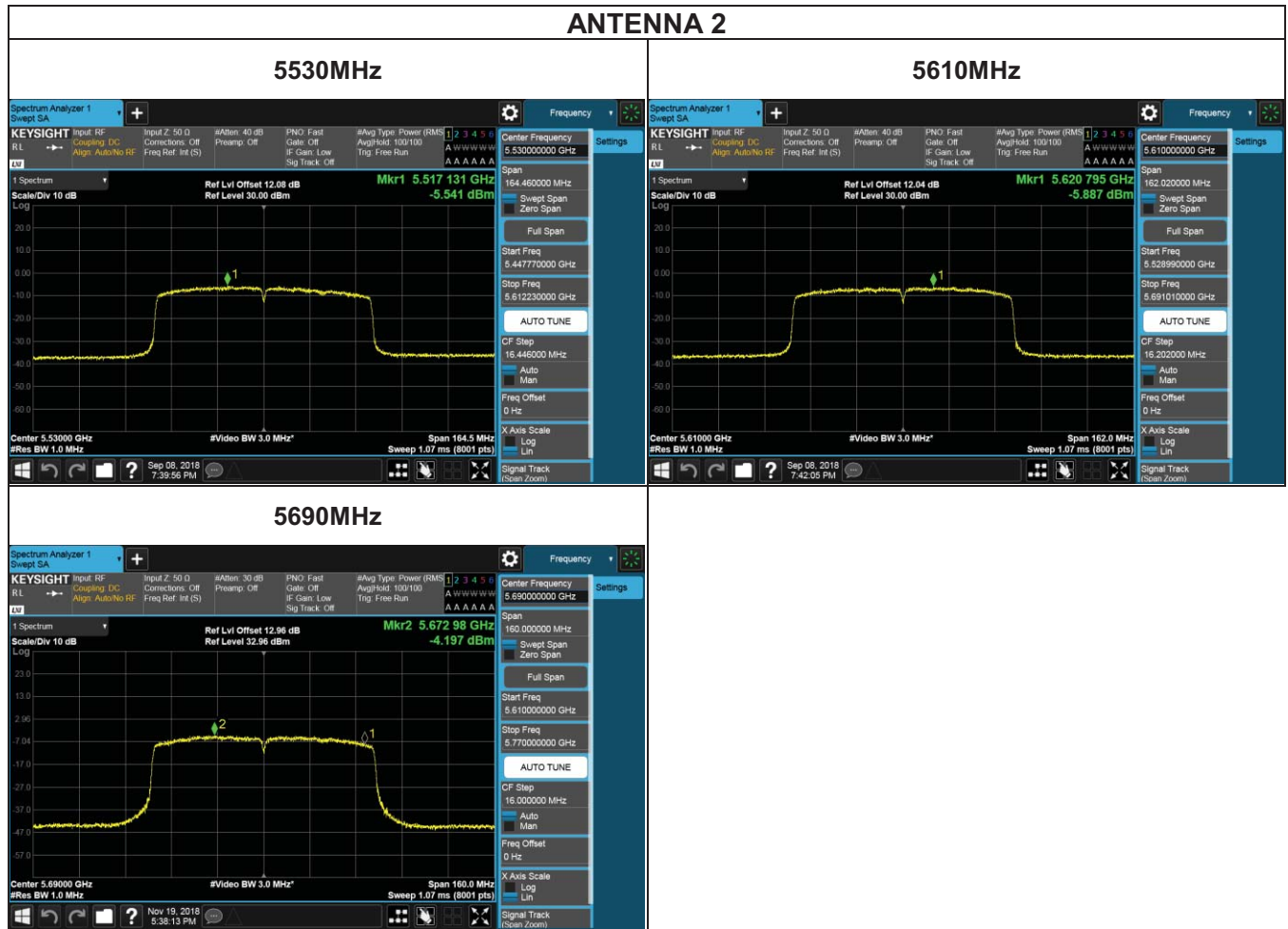
802.11ac HT40





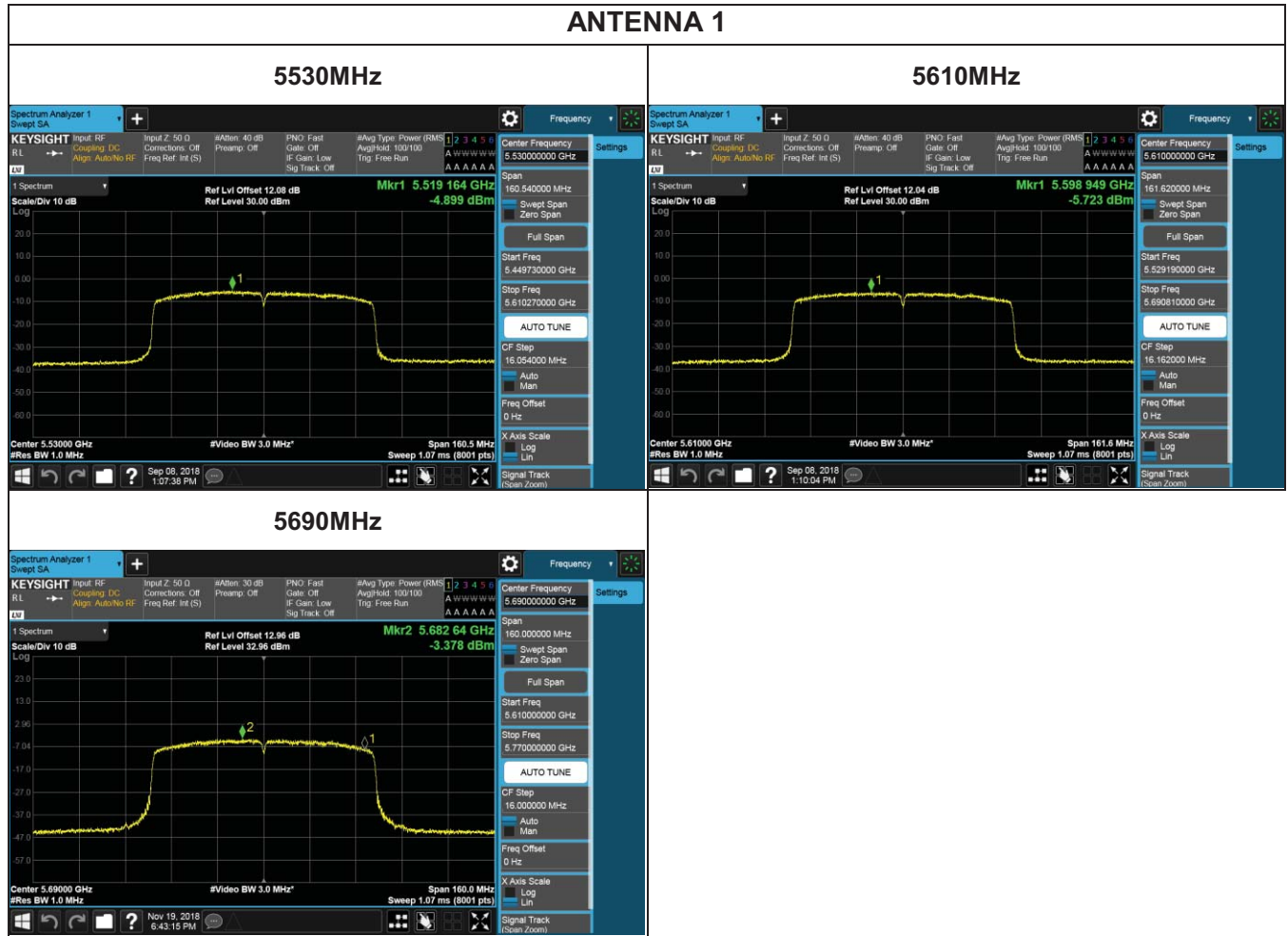


802.1ac HT80





ANTENNA 1





6.4.4. UNII-3 BAND

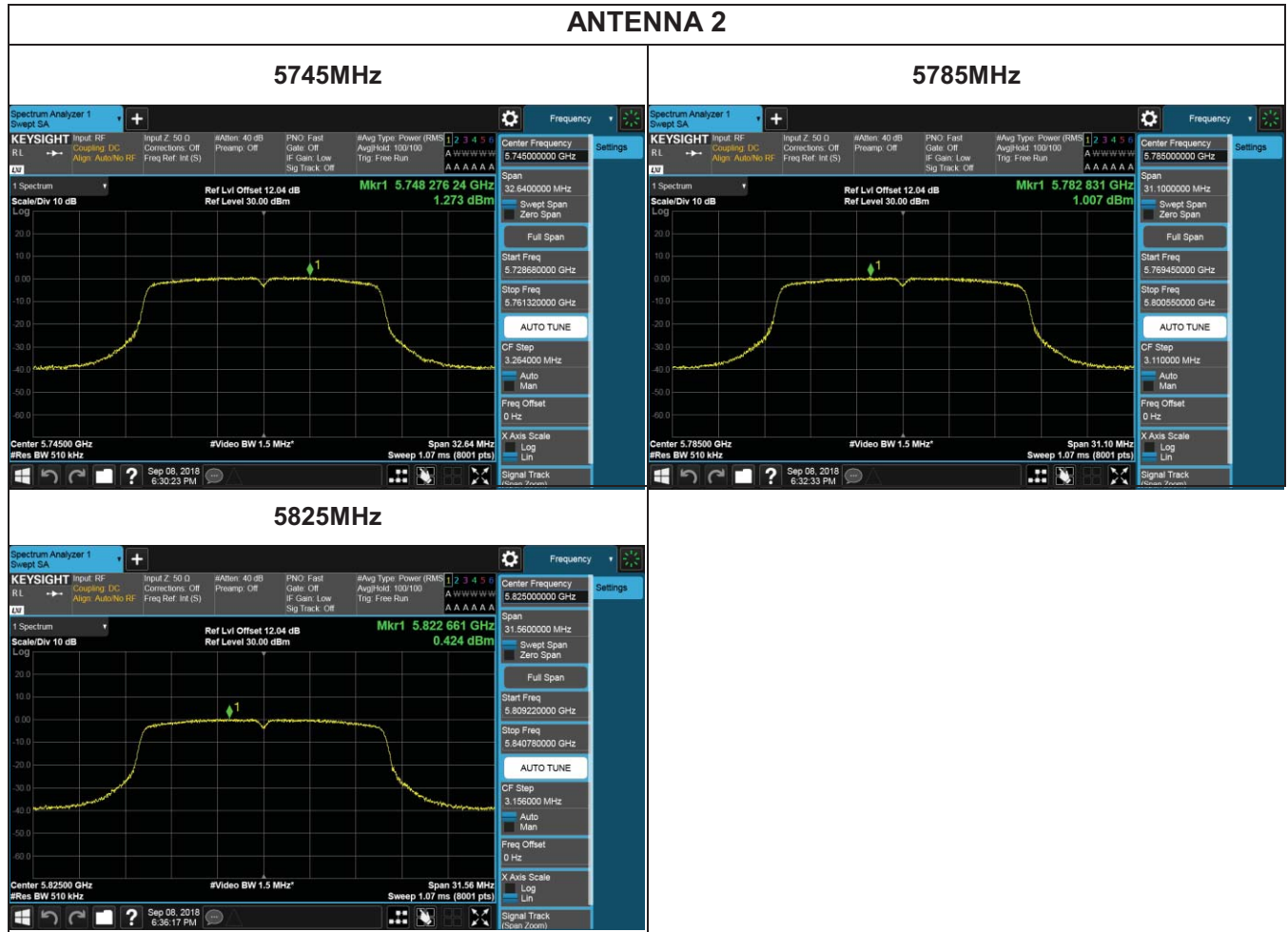
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)		Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
			Single	Total			
a	5745	1	1586	4.443	30	4.443	30
		2	1.273				
	5785	1	1.004	4.016	30	4.016	30
		2	1.007				
	5825	1	0.879	3.668	30	3.668	30
		2	0.424				
ac HT20	5745	1	-0.284	2.851	30	2.851	30
		2	-0.038				
	5785	1	0.112	2.901	30	2.901	30
		2	-0.343				
	5825	1	-0.490	2.391	30	2.391	30
		2	-0.753				
ac HT40	5755	1	-2.592	0.342	30	0.342	30
		2	-2.746				
	5795	1	-2.238	0.606	30	0.606	30
		2	-2.577				
ac HT80	5775	1	-8.346	-5.257	30	-5.257	30
		2	-8.190				

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.



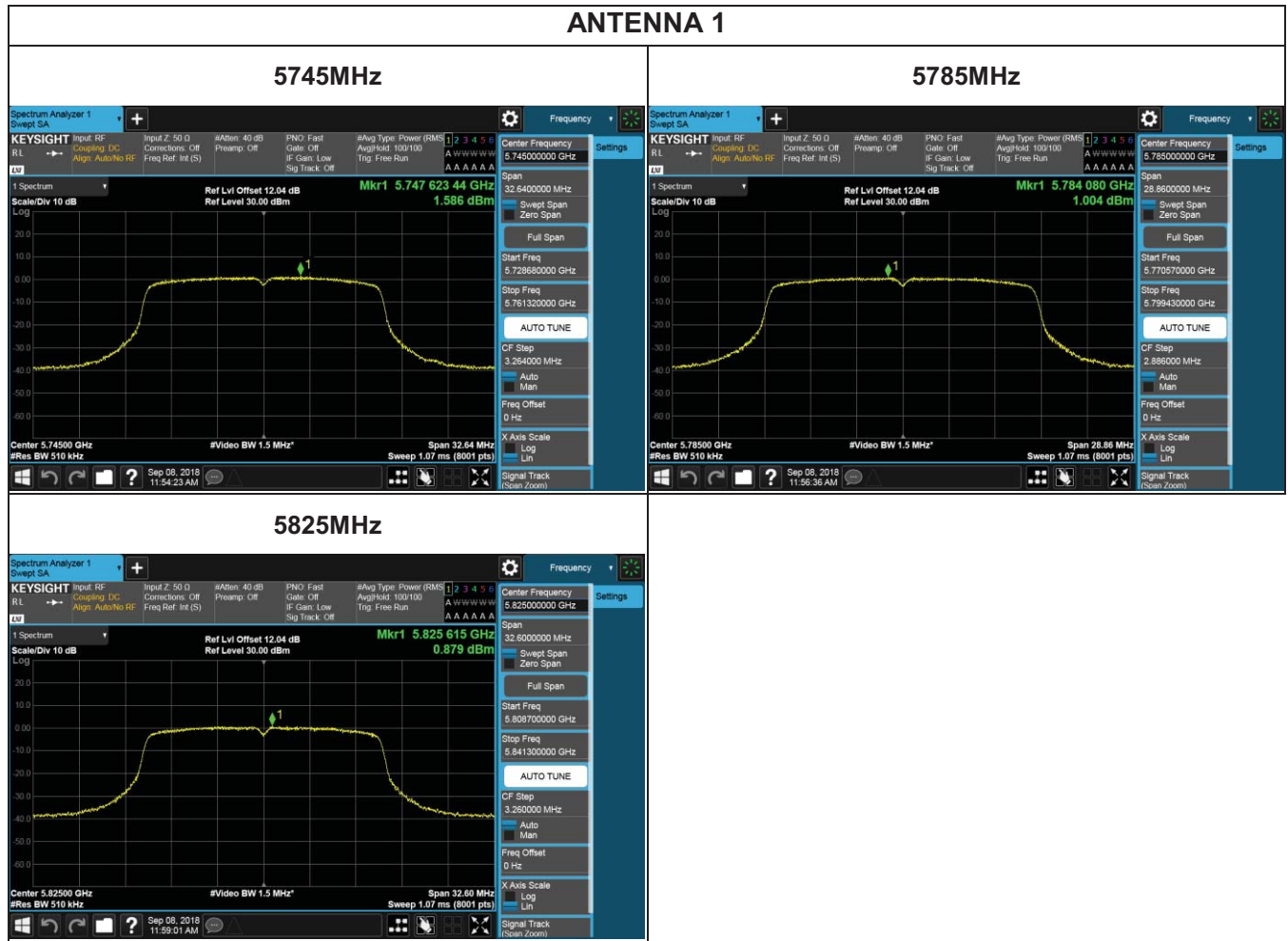
TEST PLOT

802.11a



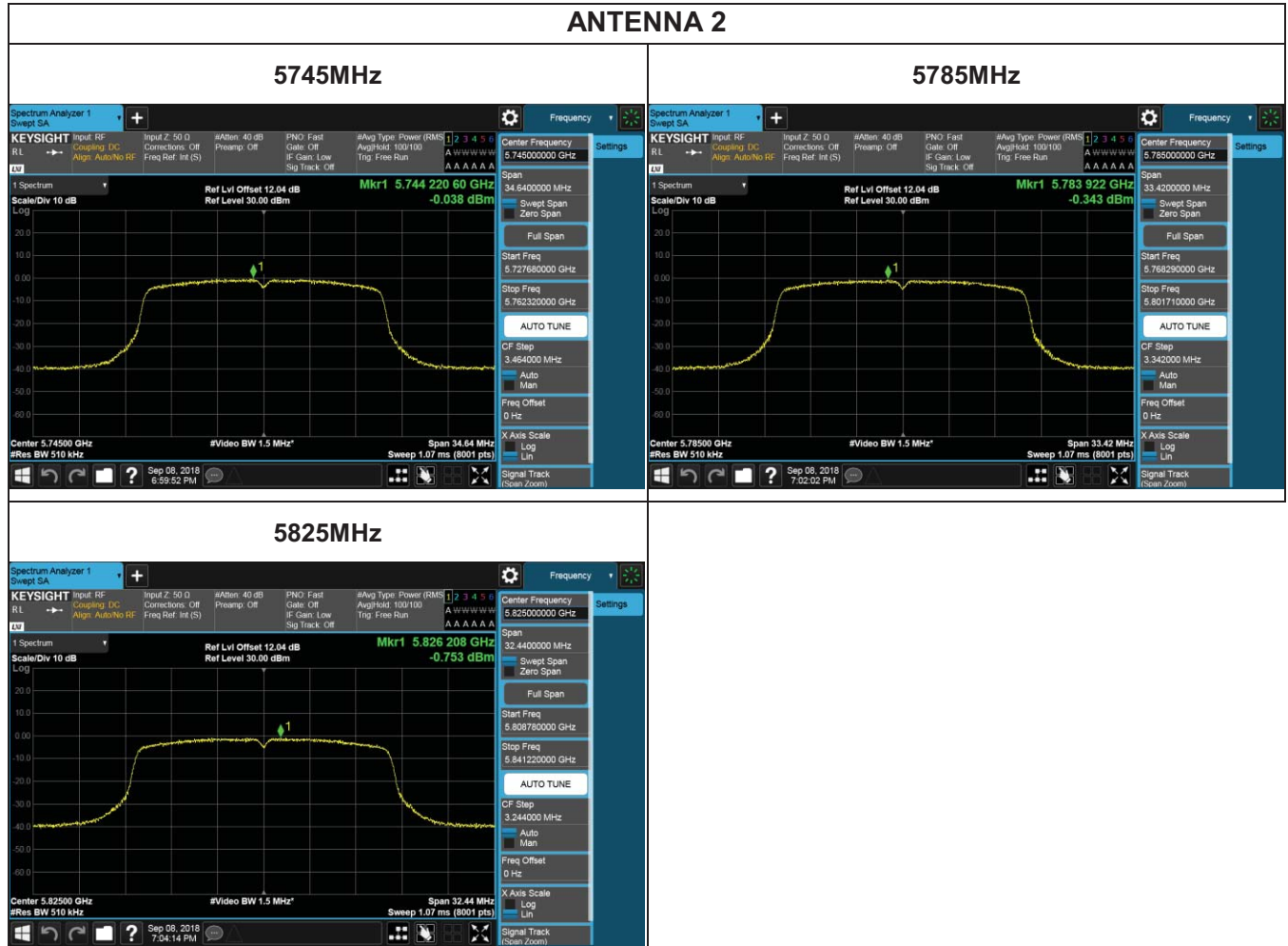


ANTENNA 1



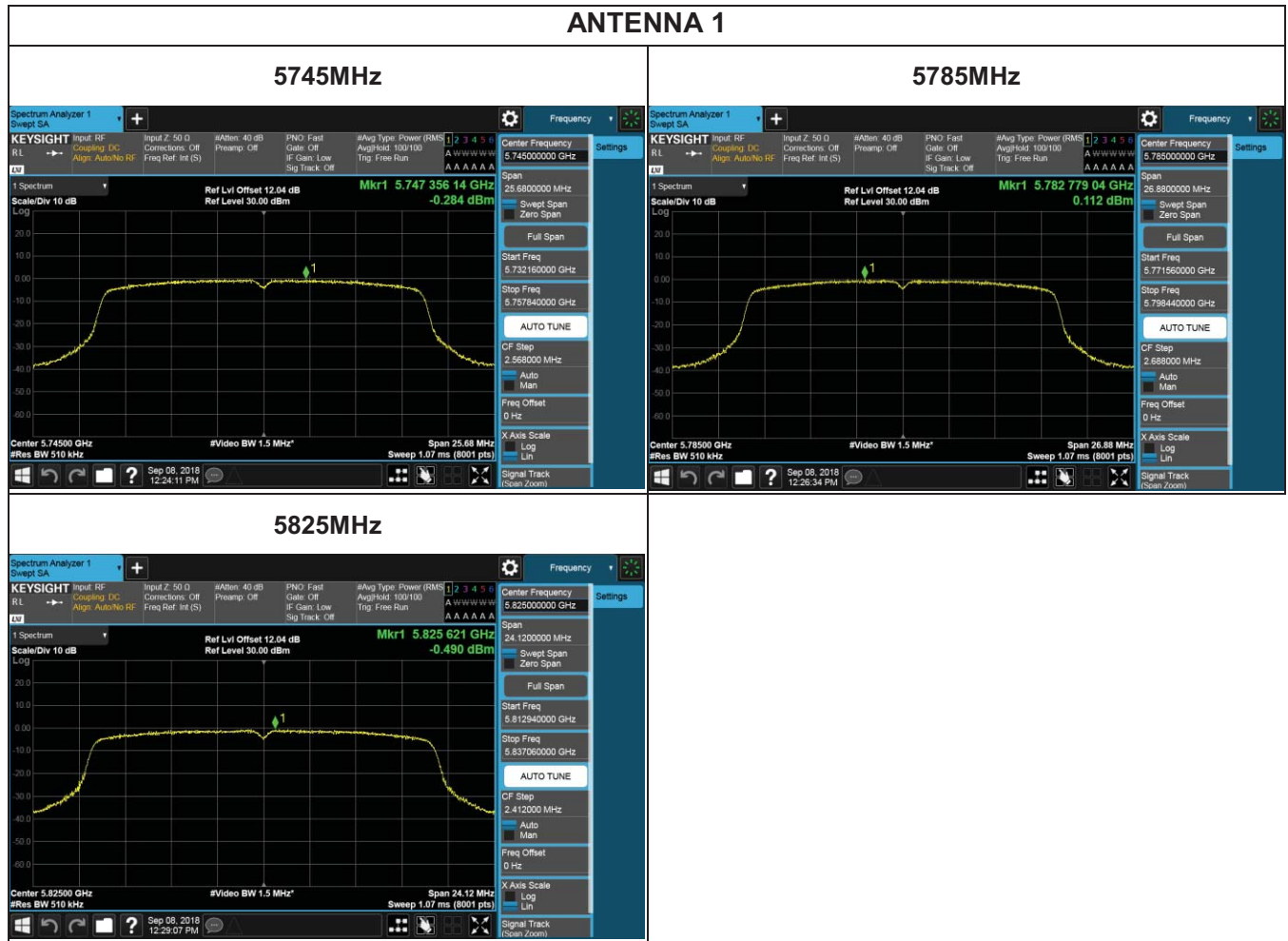


802.11ac HT20



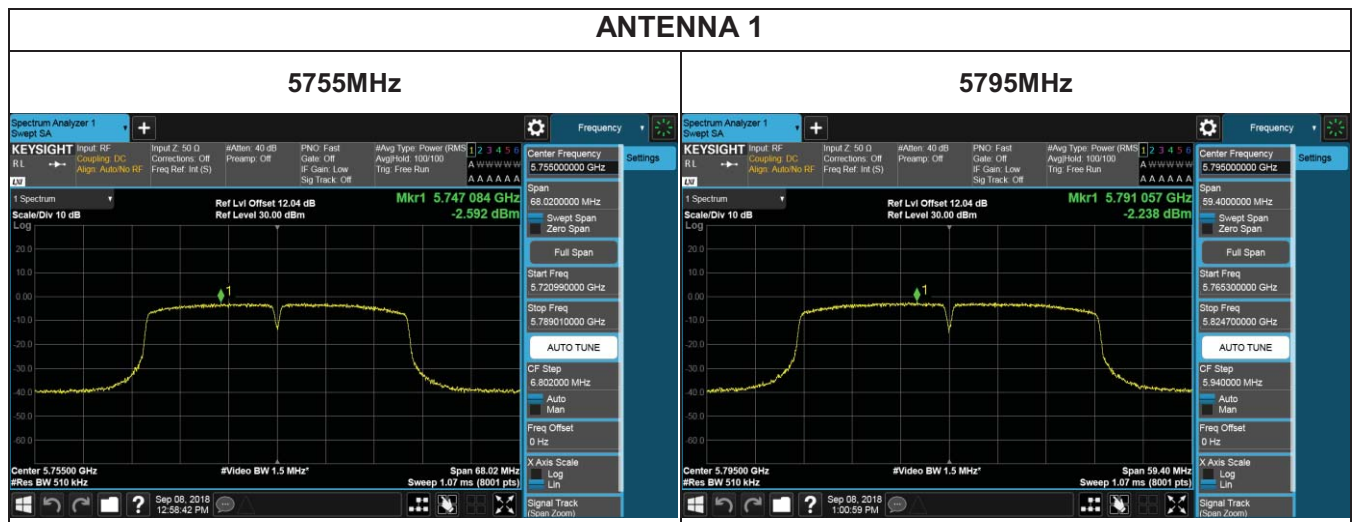
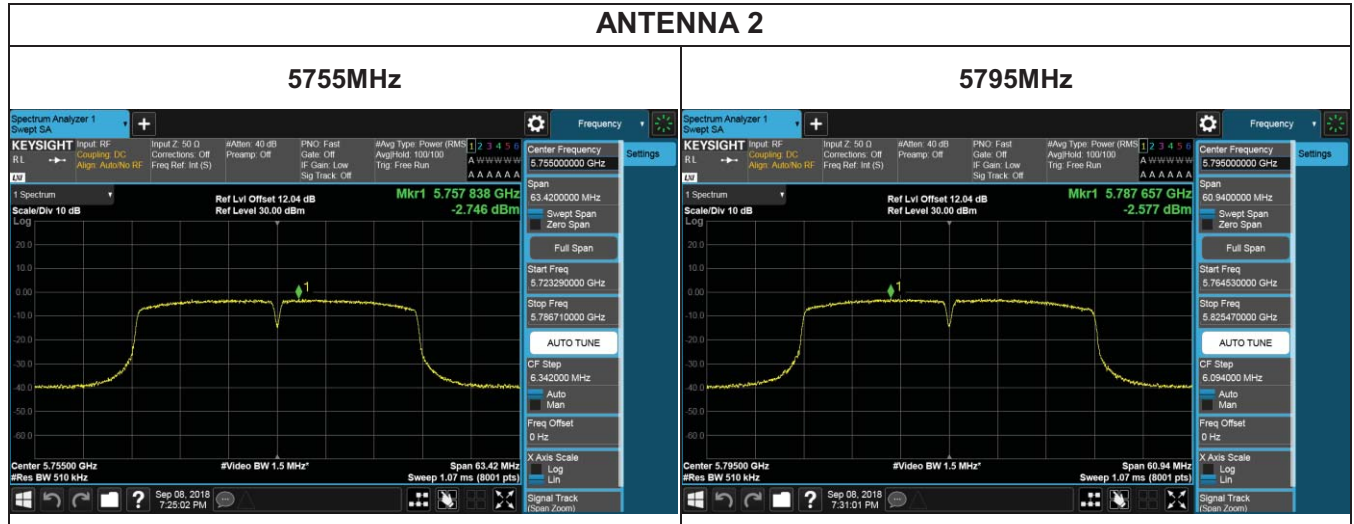


ANTENNA 1



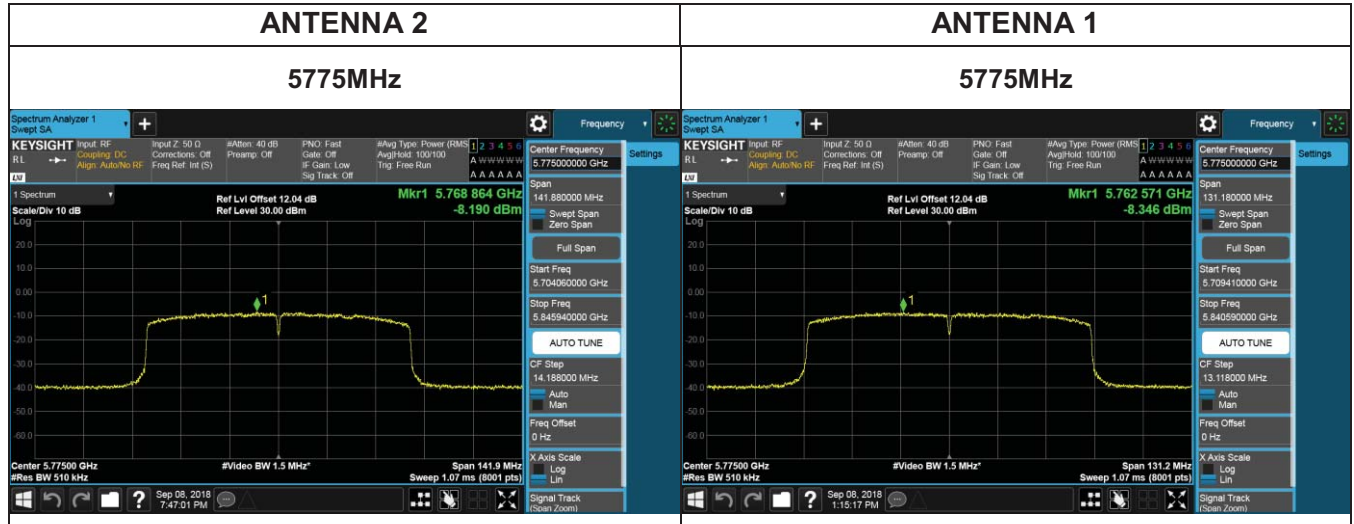


802.11ac HT40





802.11ac HT80





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 (MHz)	Field Strength (microvolts/meter)	Measurement Distance (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.

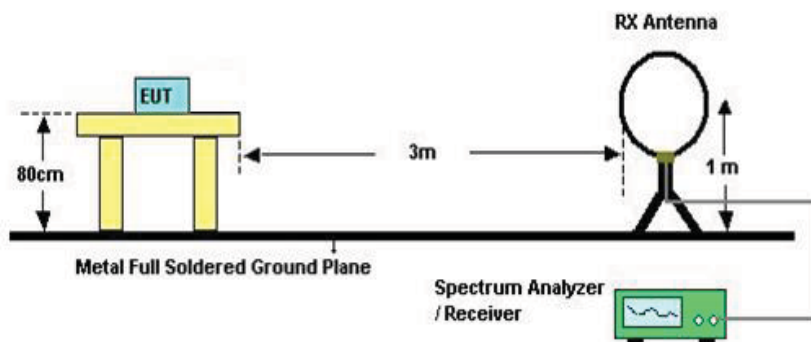
LIMITS OF RADIATED EMISSION MEASUREMENT (Below 1GHz)			
Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m	
		Quasi-Peak	
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	
Above 1000	500	Peak	Average
		74	54

Limits of unwanted emission out of the restricted bands

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

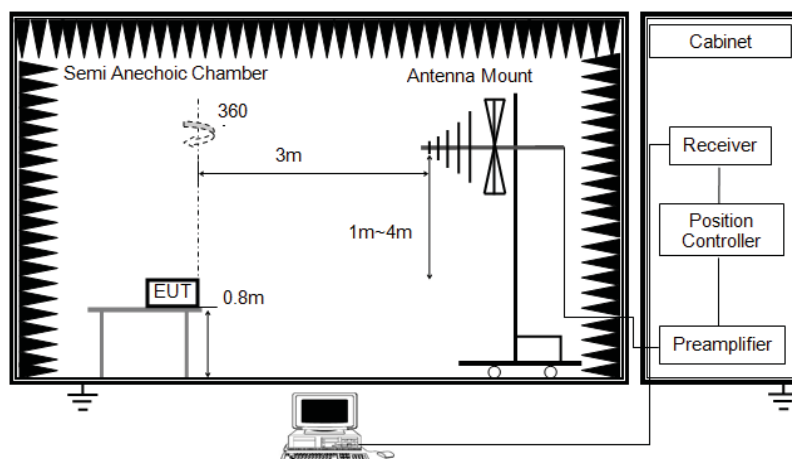


The setting of the spectrum analyser

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 are 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 area 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.

Below 1G

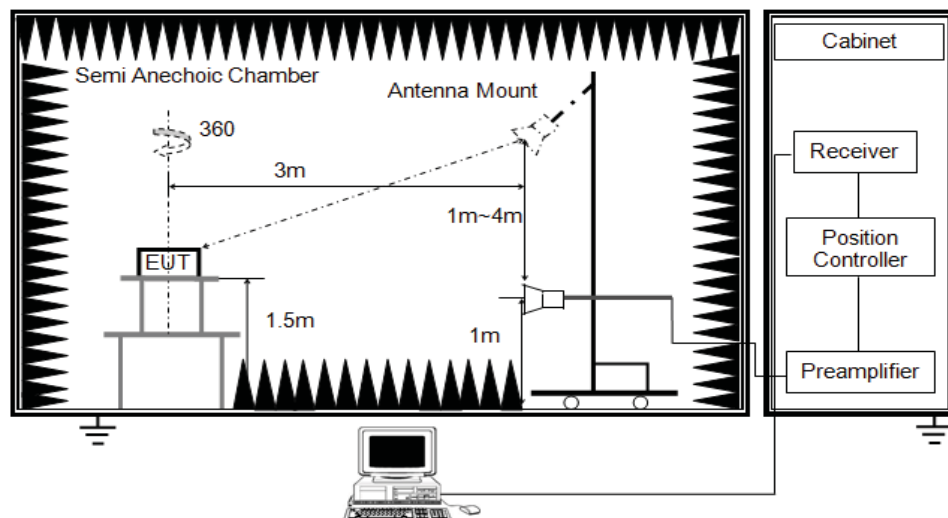


The setting of the spectrum analyzer

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.

Above 1G

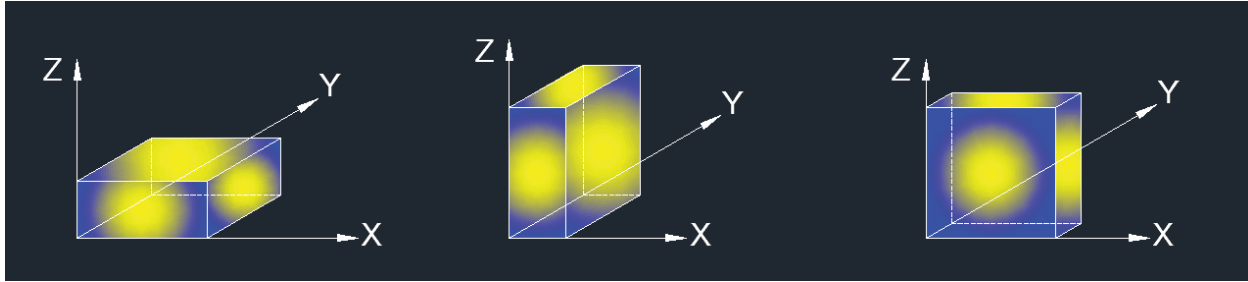


The setting of the spectrum analyzer

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.



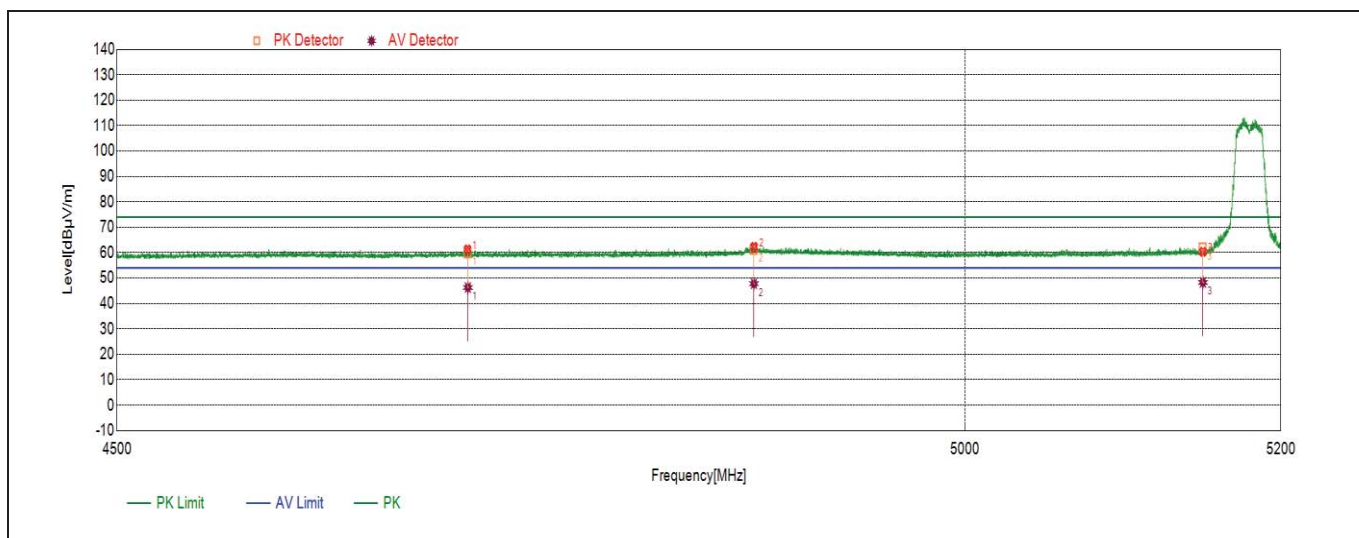
7.1. 802.11a MODE

MIMO MODE (WORST-CASE CONFIGURATION)

7.1.1. UNII-1 BAND

RESTRICTED BANDEDGE LOW CHANNEL

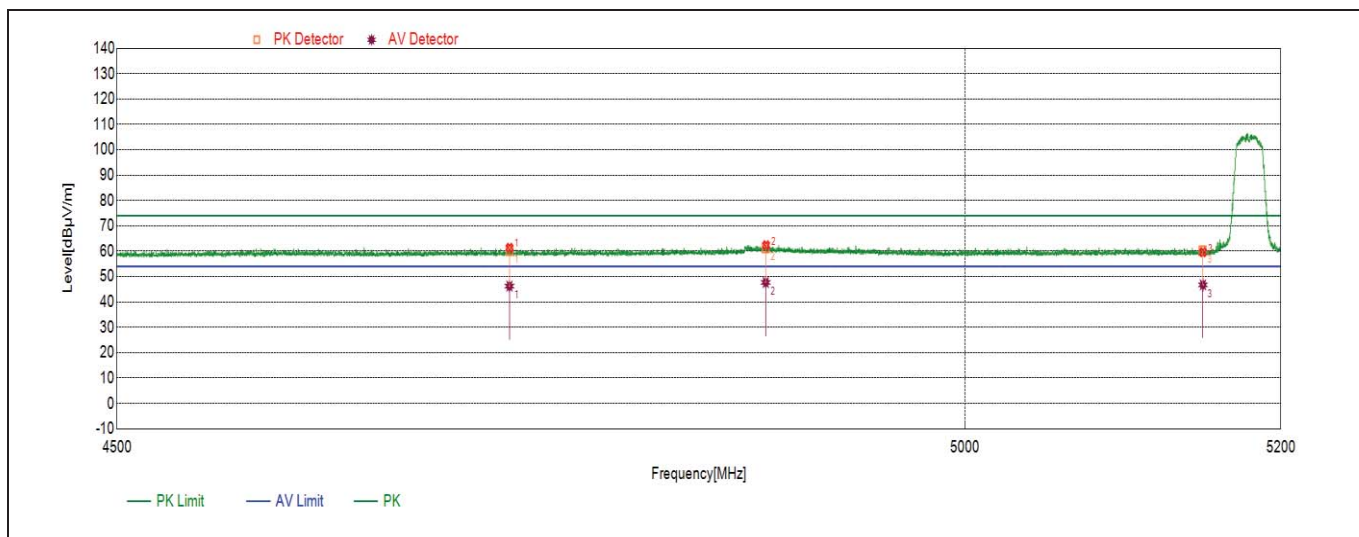
HORIZONTAL RESULTS



No.	Frequency	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	
1	4700.5438	59.75	74.00	-14.25	peak
		46.28	54.00	-7.72	average
2	4870.5786	61.30	74.00	-12.70	peak
		47.80	54.00	-6.20	average
3	5150.0000	61.83	74.00	-12.17	peak
		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



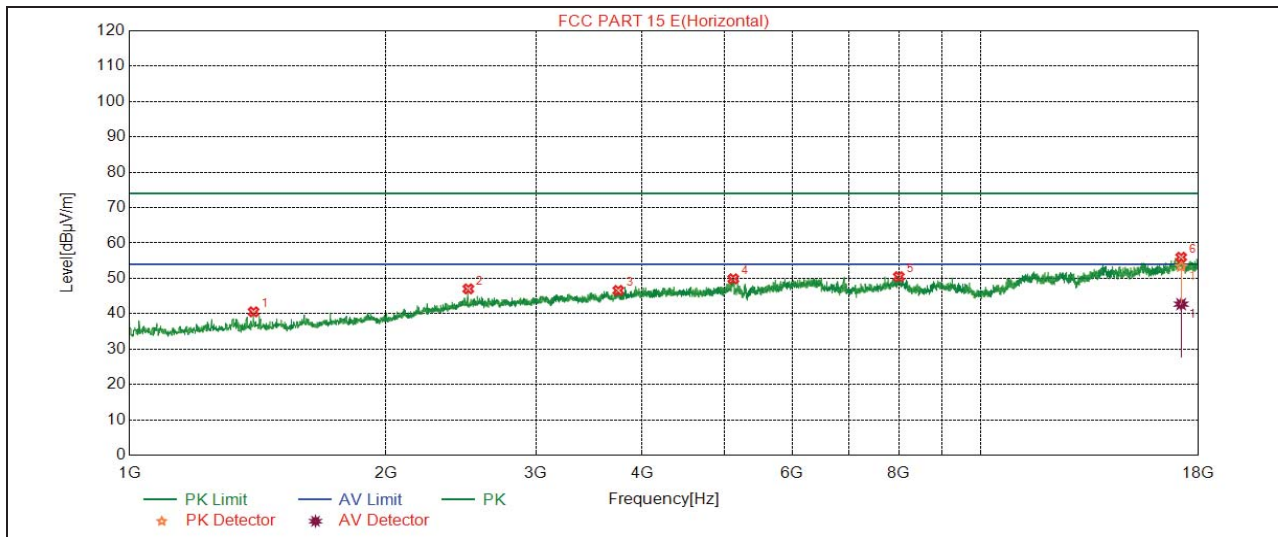
No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4724.8645	60.11	74.00	-13.89	peak
		46.24	54.00	-7.76	average
2	4877.7073	61.21	74.00	-12.79	peak
		47.68	54.00	-6.32	average
3	5150.0000	60.14	74.00	-13.86	peak
		46.74	54.00	-7.26	average

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.



HARMONICS AND SPURIOUS EMISSIONS LOW CHANNEL

HORIZONTAL RESULTS 1-18GHz

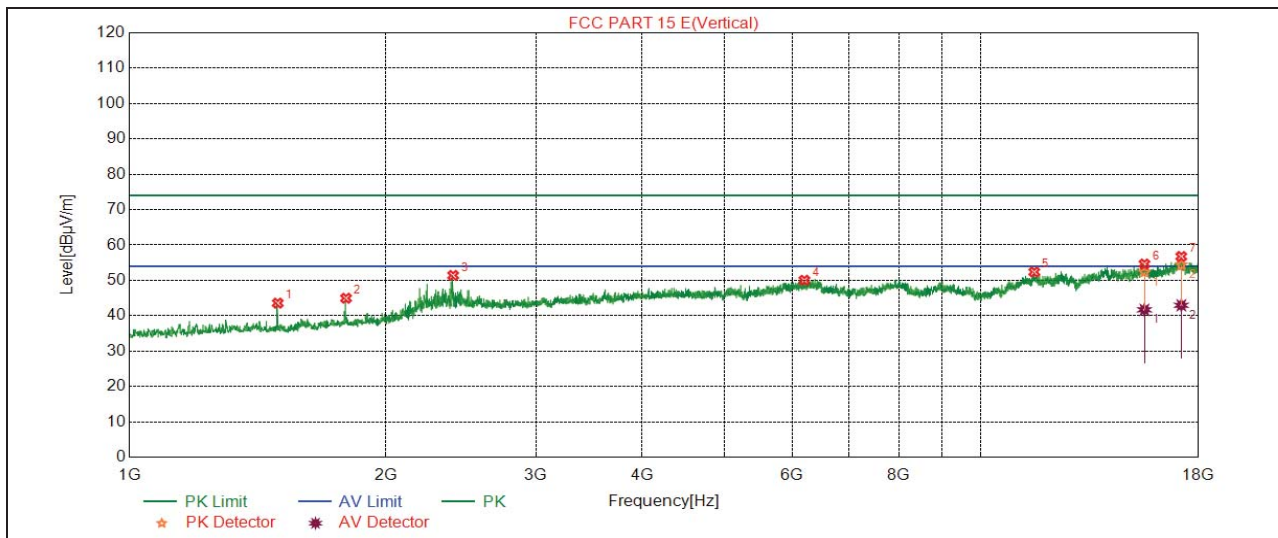


No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	1398.8165	40.53	74	-33.47	54	-13.47	peak
2	2499.9167	47.03	74	-26.97	54	-6.97	peak
3	3749.5416	46.58	74	-27.42	54	-7.42	peak
4	5116.5194	49.87	74	-24.13	54	-4.13	peak
5	8004.8341	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.
3. Peak: Peak detector.



VERTICAL RESULTS
1-18GHz



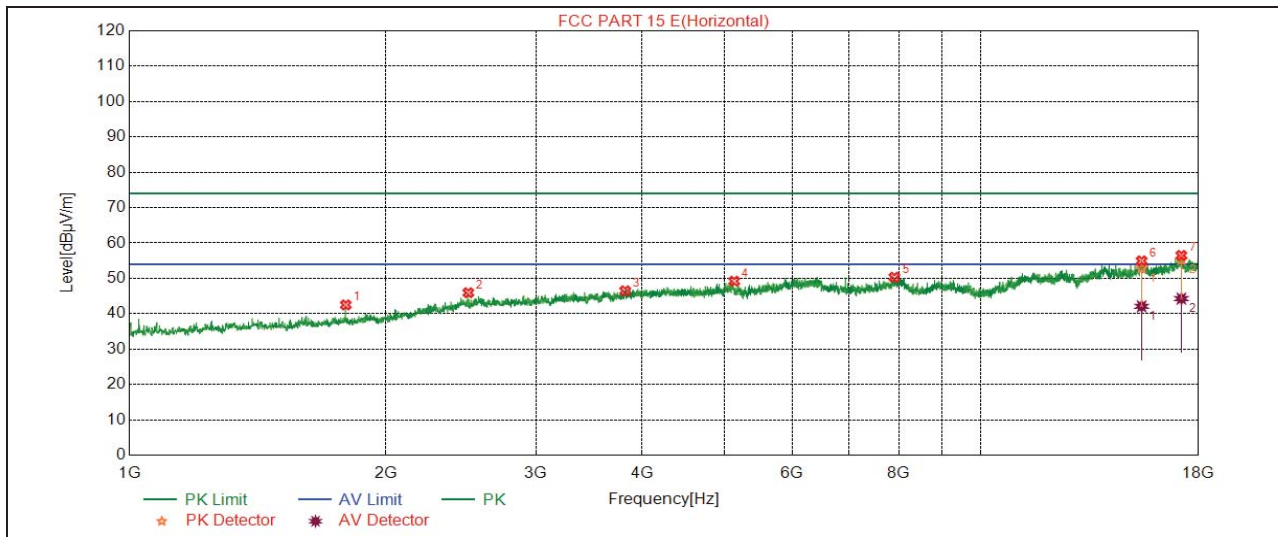
No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	1493.2489	43.56	74	-30.44	54	-10.44	peak
2	1795.7993	44.95	74	-29.05	54	-9.05	peak
3	2399.0665	51.40	74	-22.60	54	-2.60	peak
4	6201.1169	50.03	74	-23.97	54	-3.97	peak
5	11543.5906	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.
3. Peak: Peak detector.



HARMONICS AND SPURIOUS EMISSIONS MID CHANNEL

HORIZONTAL RESULTS 1-18GHz

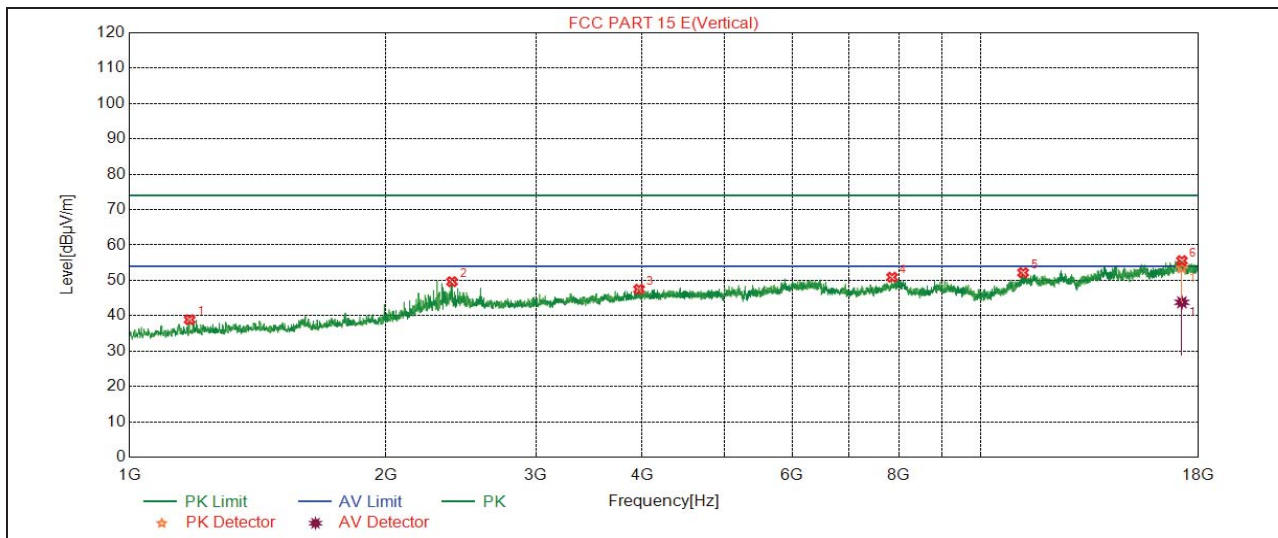


No.	Frequency	Result	Limit	Margin	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(Peak) (dBuV/m)	(Peak) (dB)	(Ave) (dBuV/m)	(Ave) (dB)	
1	1794.8825	42.49	74	-31.51	54	-11.51	peak
2	2499.9167	45.94	74	-28.06	54	-8.06	peak
3	3820.1367	46.48	74	-27.52	54	-7.52	peak
4	5129.3549	49.20	74	-24.80	54	-4.80	peak
5	7908.9848	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.
3. Peak: Peak detector.



VERTICAL RESULTS
1-18GHz



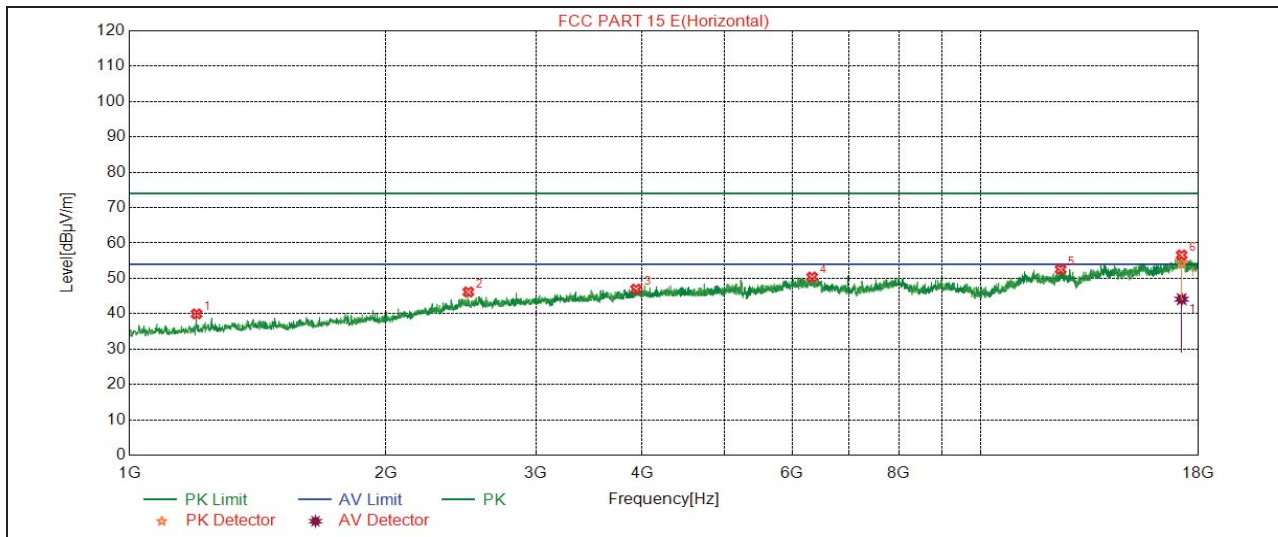
No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	1176.9462	38.88	74	-35.12	54	-15.12	peak
2	2391.732	49.62	74	-24.38	54	-4.38	peak
3	3965.911	47.50	74	-26.50	54	-6.50	peak
4	7861.0602	50.88	74	-23.12	54	-3.12	peak
5	11200.4501	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.
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 1-18GHz

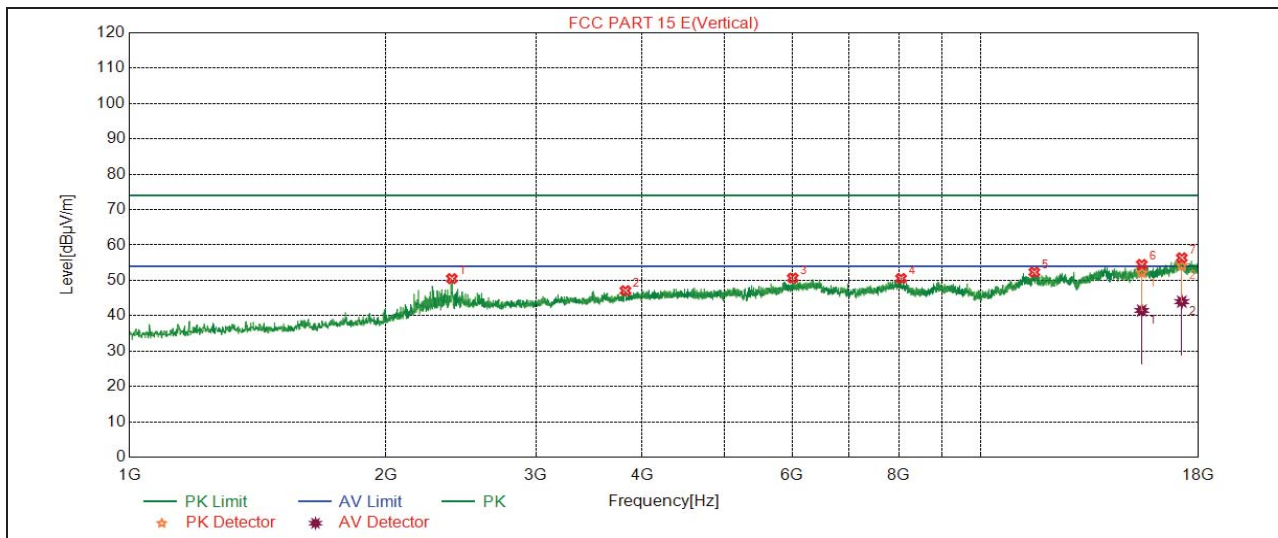


No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	1198.9498	39.95	74	-34.05	54	-14.05	peak
2	2499.9167	46.15	74	-27.85	54	-7.85	peak
3	3933.8223	46.96	74	-27.04	54	-7.04	peak
4	6332.222	50.38	74	-23.62	54	-3.62	peak
5	12396.6494	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.
3. Peak: Peak detector.



VERTICAL RESULTS
1-18GHz



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

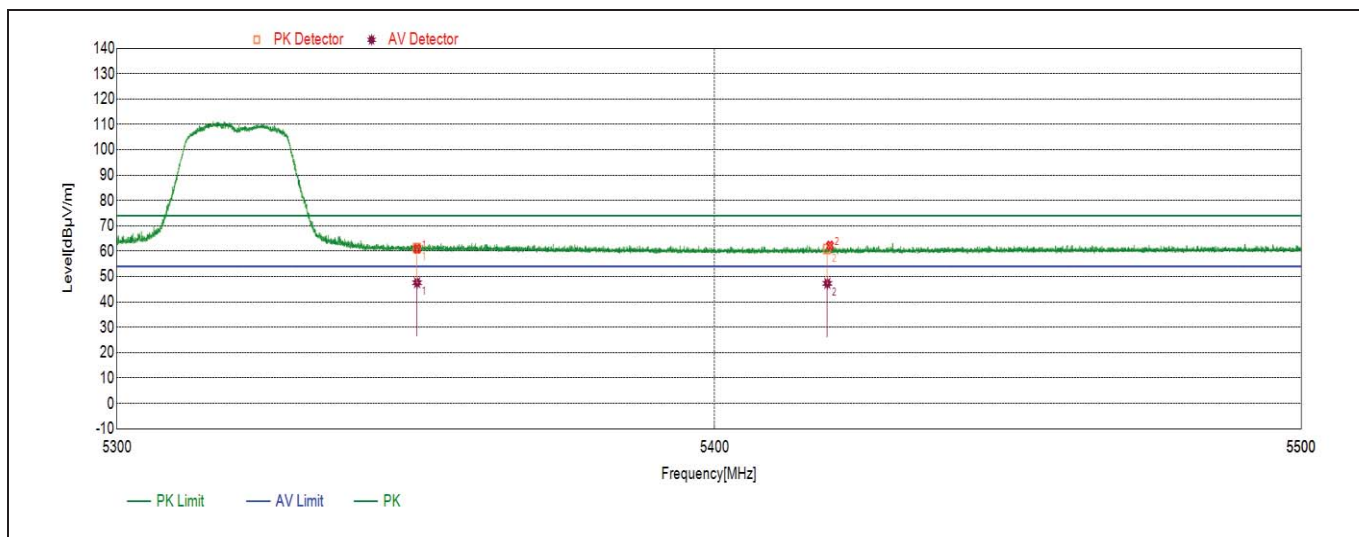
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.



7.1.2. UNII-2A BAND

RESTRICTED BANDEDGE HIGH CHANNEL

HORIZONTAL RESULTS



No.	Frequency	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	
1	5350.0000	61.22	74.00	-12.78	peak
		47.59	54.00	-6.41	average
2	5419.0990	60.76	74.00	-13.24	peak
		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.