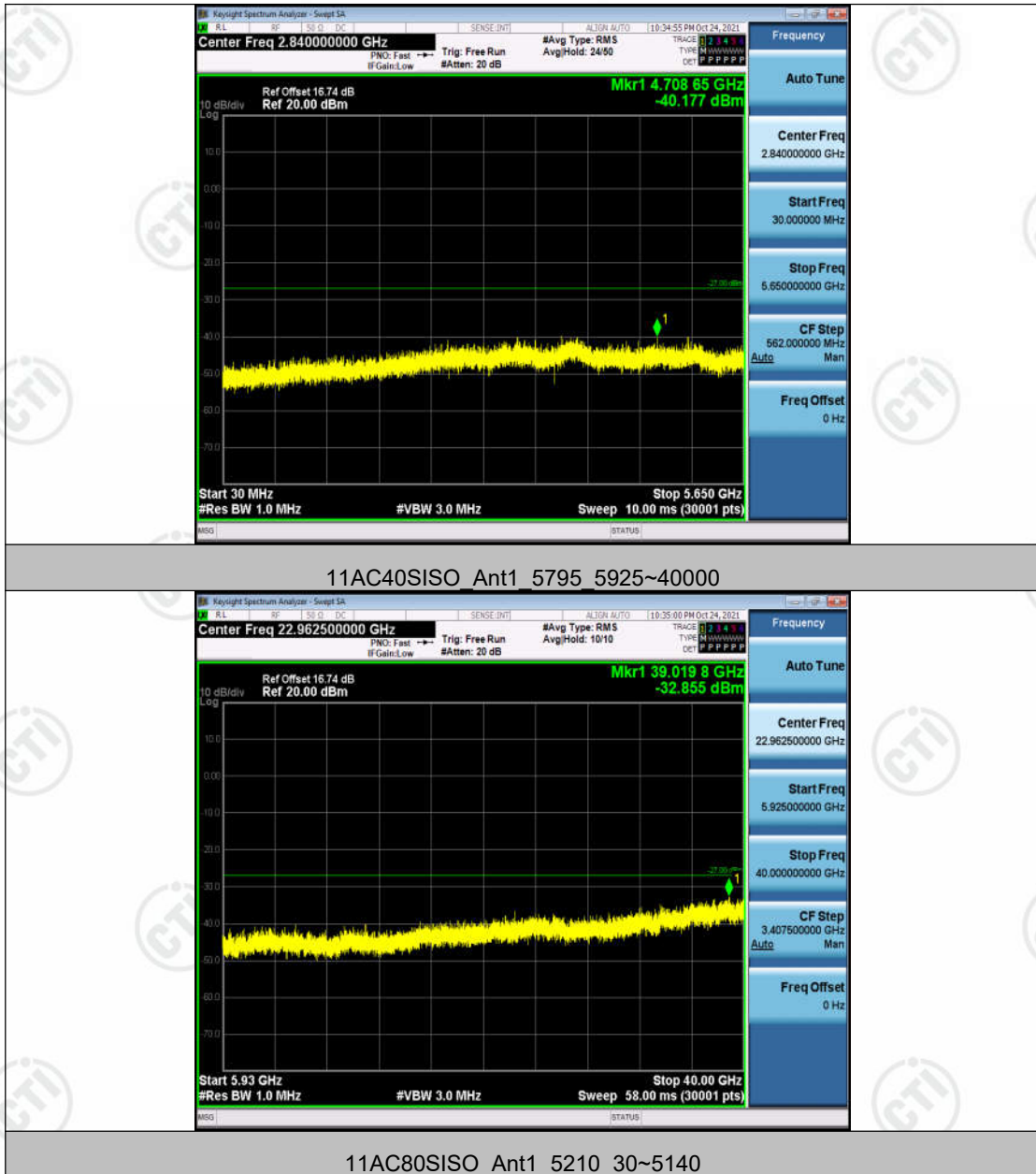
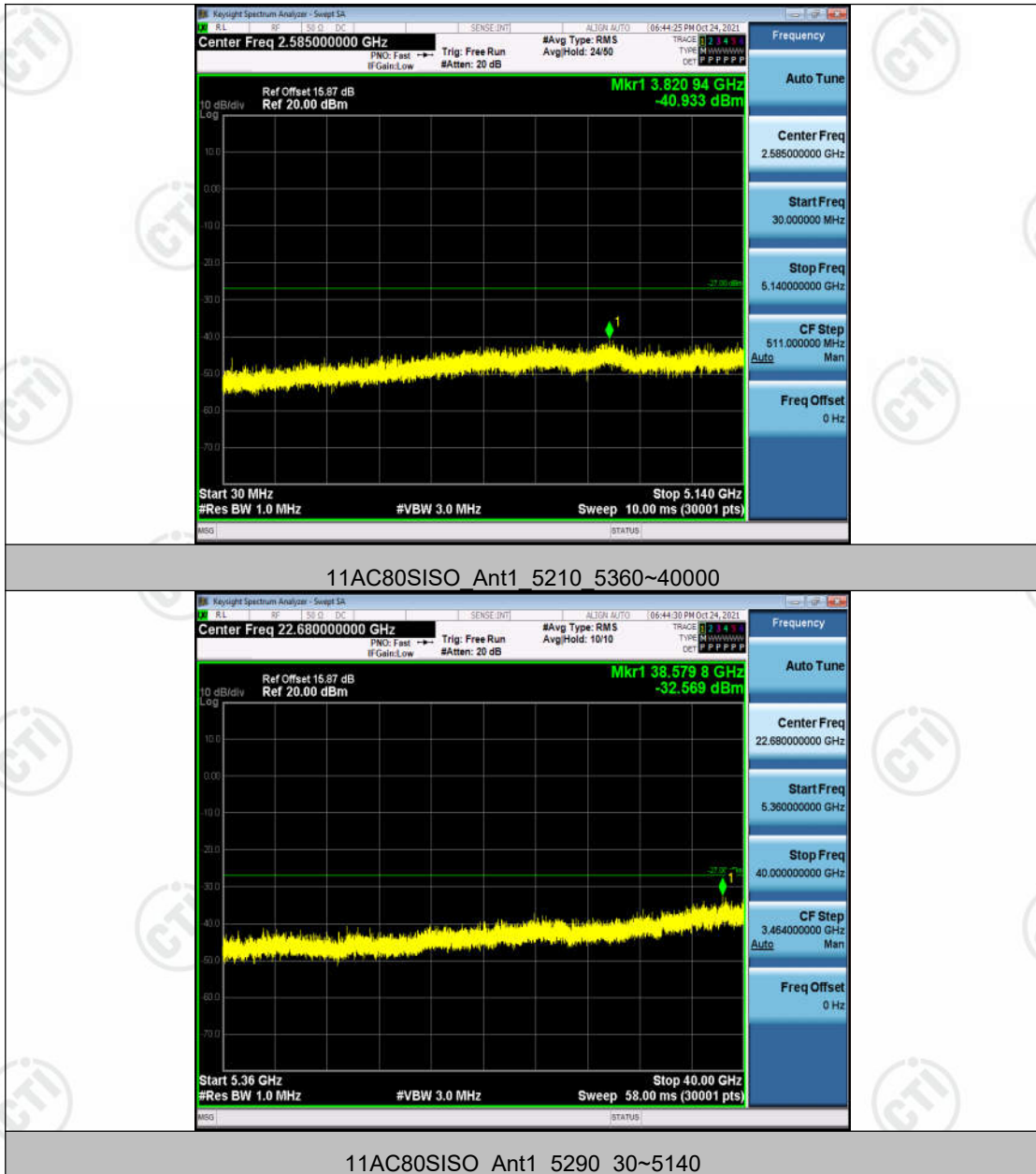


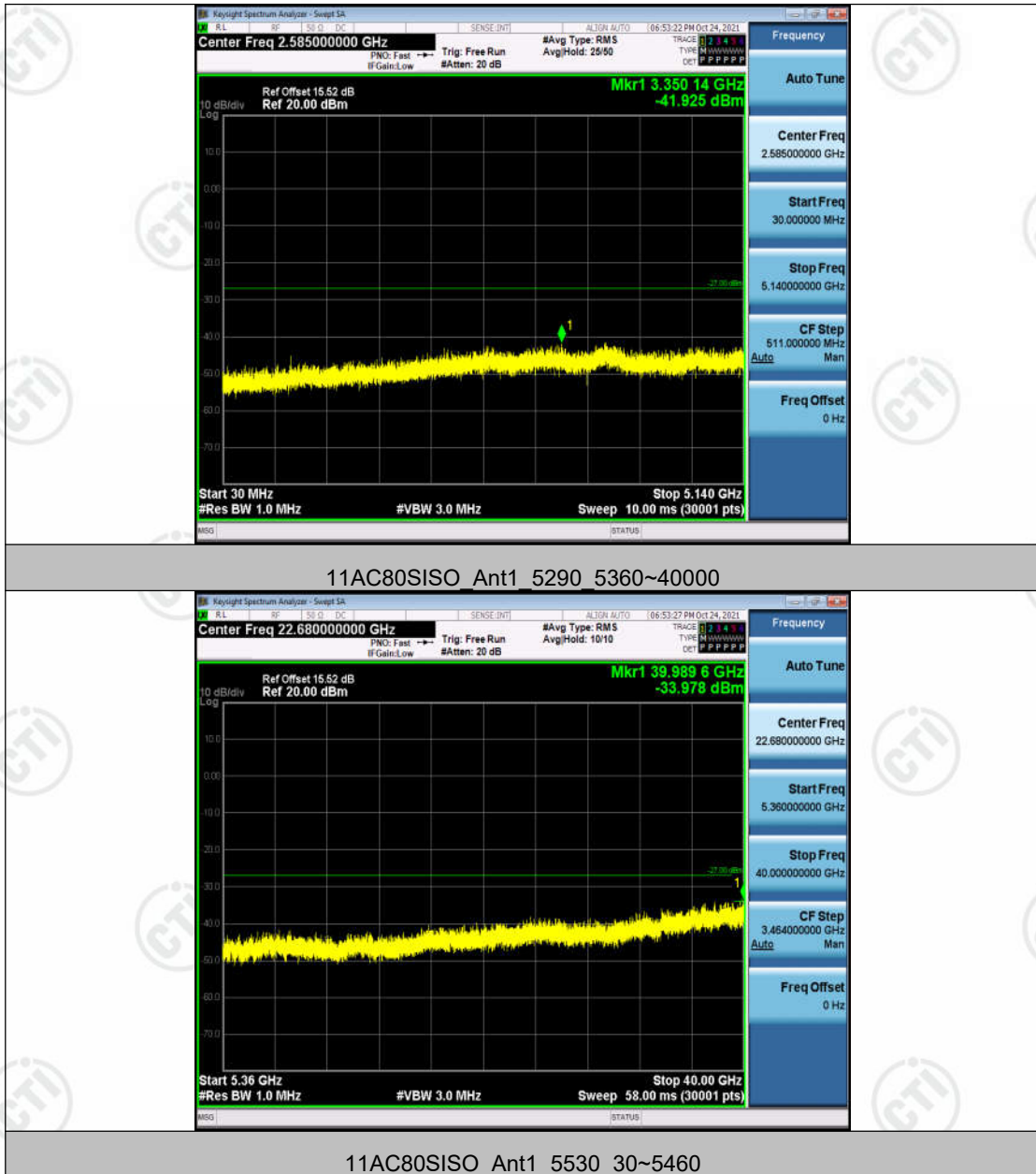
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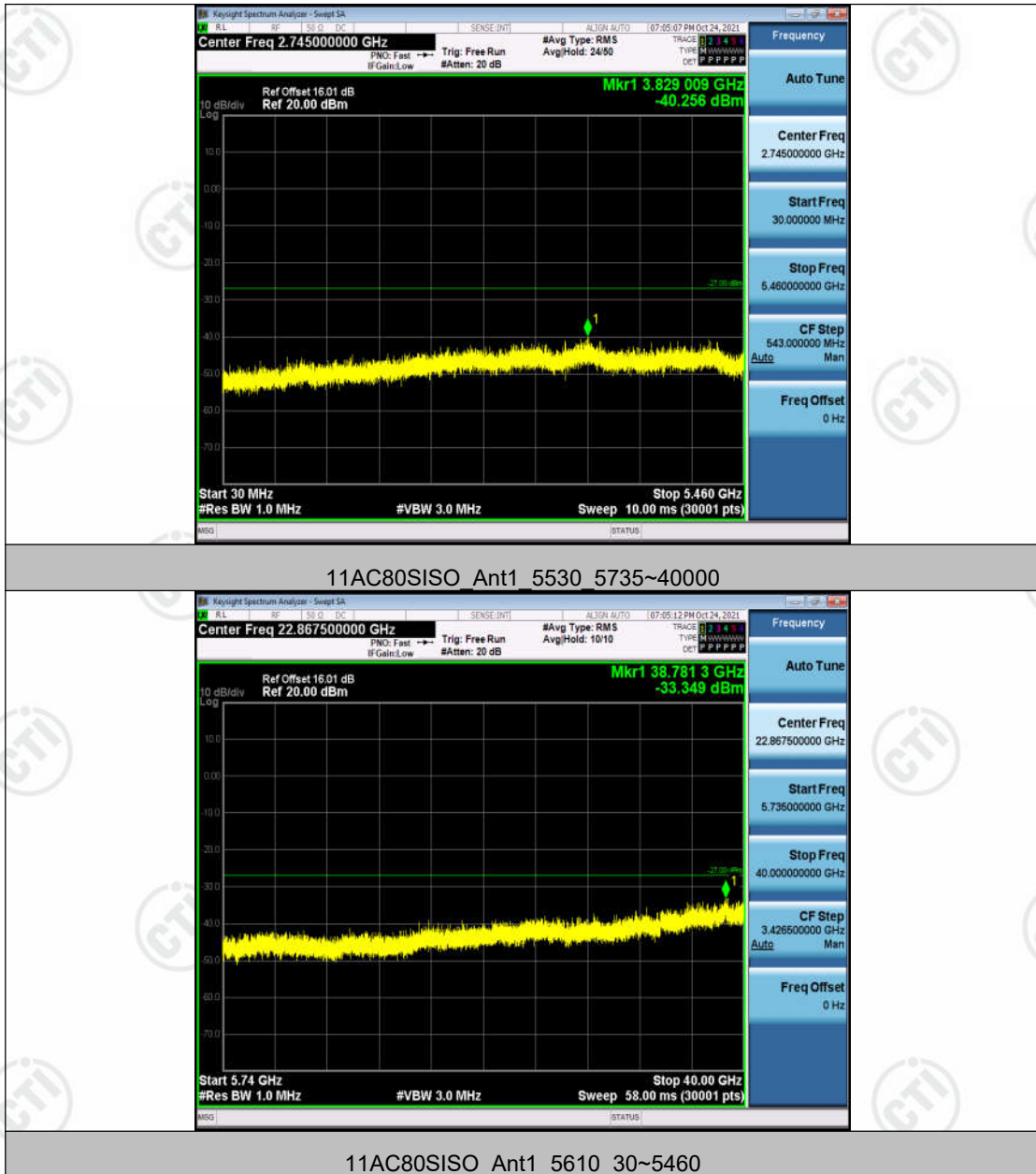


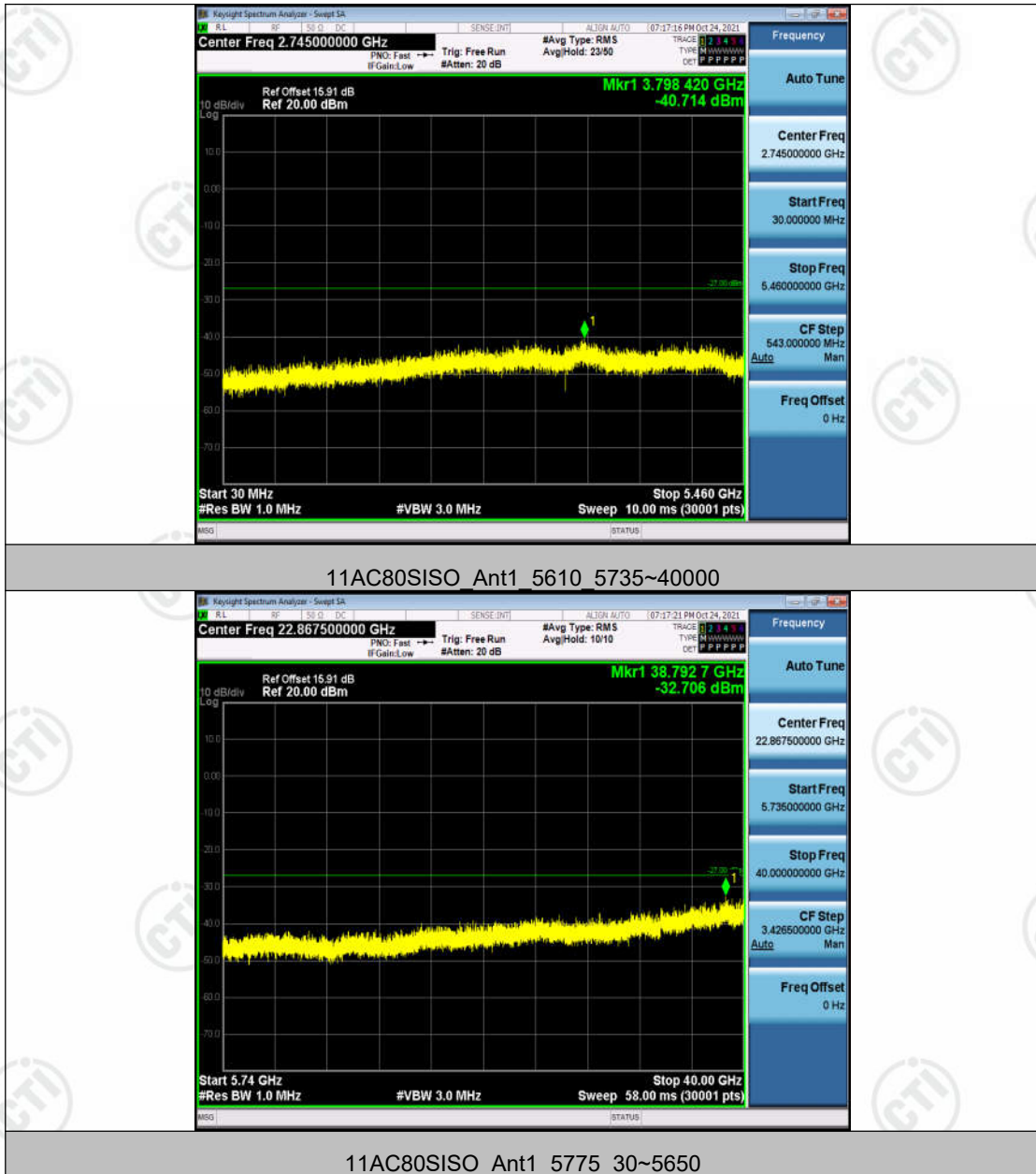
11AC40SISO_Ant1_5795_30~5650

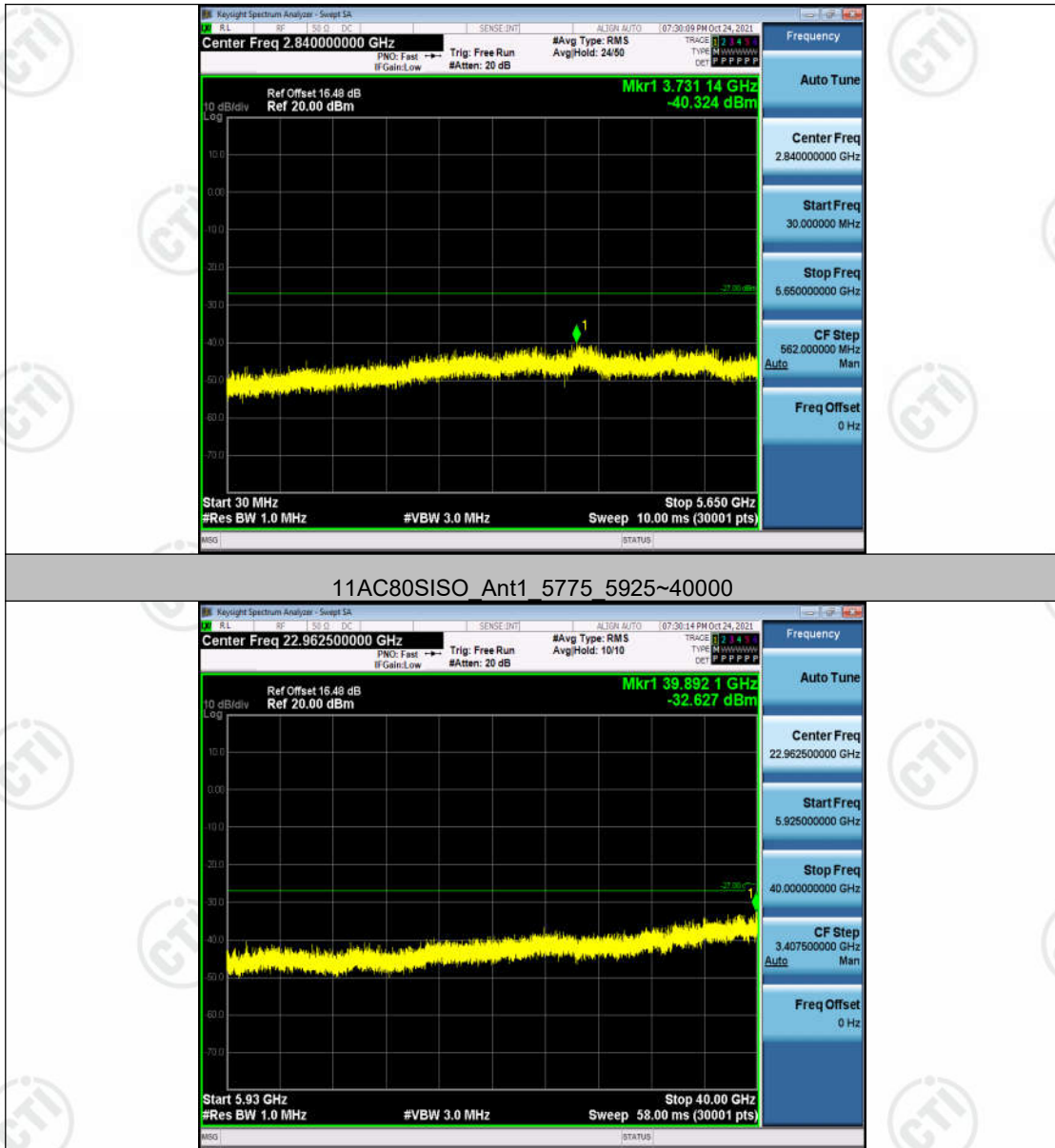












Appendix F):Frequency Stability

Test Result

TestMode	Antenna	Channel	Voltage			Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
			Voltage [Vdc]	Temperature (°C)					
11A	Ant1	5180	NV	NT	20000	3.861004	20	PASS	
			LV	NT	20000	3.861004	20	PASS	
			HV	NT	20000	3.861004	20	PASS	
		5200	NV	NT	20000	3.846154	20	PASS	
			LV	NT	20000	3.846154	20	PASS	
			HV	NT	20000	3.846154	20	PASS	
		5240	NV	NT	20000	3.816794	20	PASS	
			LV	NT	20000	3.816794	20	PASS	
			HV	NT	20000	3.816794	20	PASS	
		5260	NV	NT	20000	3.802281	20	PASS	
			LV	NT	20000	3.802281	20	PASS	
			HV	NT	20000	3.802281	20	PASS	
		5280	NV	NT	20000	3.787879	20	PASS	
			LV	NT	20000	3.787879	20	PASS	
			HV	NT	20000	3.787879	20	PASS	
		5320	NV	NT	20000	3.759398	20	PASS	
			LV	NT	20000	3.759398	20	PASS	
			HV	NT	20000	3.759398	20	PASS	
		5500	NV	NT	20000	3.636364	20	PASS	
			LV	NT	20000	3.636364	20	PASS	
			HV	NT	20000	3.636364	20	PASS	
		5580	NV	NT	20000	3.584229	20	PASS	
			LV	NT	20000	3.584229	20	PASS	
			HV	NT	20000	3.584229	20	PASS	
		5700	NV	NT	20000	3.508772	20	PASS	
			LV	NT	20000	3.508772	20	PASS	
			HV	NT	20000	3.508772	20	PASS	
5745	NV	NT	20000	3.481288	20	PASS			

		5785	LV	NT	20000	3.481288	20	PASS
			HV	NT	20000	3.481288	20	PASS
			NV	NT	20000	3.457217	20	PASS
			LV	NT	20000	3.457217	20	PASS
			HV	NT	20000	3.457217	20	PASS
			NV	NT	20000	3.433476	20	PASS
		5825	LV	NT	20000	3.433476	20	PASS
			HV	NT	20000	3.433476	20	PASS
			NV	NT	20000	3.861004	20	PASS
		5180	LV	NT	20000	3.861004	20	PASS
			HV	NT	20000	3.861004	20	PASS
			NV	NT	20000	3.861004	20	PASS
		5200	LV	NT	20000	3.861004	20	PASS
			HV	NT	20000	3.861004	20	PASS
			NV	NT	20000	3.816794	20	PASS
		5240	LV	NT	20000	3.816794	20	PASS
			HV	NT	20000	3.816794	20	PASS
			NV	NT	20000	3.802281	20	PASS
5260	LV	NT	20000	3.802281	20	PASS		
	HV	NT	20000	3.802281	20	PASS		
	NV	NT	20000	3.787879	20	PASS		
5280	LV	NT	20000	3.787879	20	PASS		
	HV	NT	20000	3.787879	20	PASS		
	NV	NT	20000	3.759398	20	PASS		
5320	LV	NT	20000	3.759398	20	PASS		
	HV	NT	20000	3.759398	20	PASS		
	NV	NT	20000	3.584229	20	PASS		
5500	LV	NT	20000	3.584229	20	PASS		
	HV	NT	20000	3.584229	20	PASS		
	NV	NT	20000	3.584229	20	PASS		
5580	LV	NT	20000	3.584229	20	PASS		
	HV	NT	20000	3.584229	20	PASS		
	NV	NT	20000	3.508772	20	PASS		
5700	LV	NT	20000	3.508772	20	PASS		
	HV	NT	20000	3.508772	20	PASS		
	NV	NT	20000	3.481288	20	PASS		
5745	NV	NT	20000	3.481288	20	PASS		

11N20SI
SO

Ant1

			LV	NT	20000	3.481288	20	PASS		
			HV	NT	20000	3.481288	20	PASS		
		5785		NV	NT	20000	3.457217	20	PASS	
				LV	NT	20000	3.457217	20	PASS	
				HV	NT	20000	3.457217	20	PASS	
				NV	NT	20000	3.433476	20	PASS	
		5825		LV	NT	20000	3.433476	20	PASS	
				HV	NT	20000	3.433476	20	PASS	
		11N40SI SO	Ant1	5190	NV	NT	40000	7.707129	20	PASS
					LV	NT	40000	7.707129	20	PASS
					HV	NT	40000	7.707129	20	PASS
				5230	NV	NT	40000	7.706258	20	PASS
LV	NT				40000	7.706258	20	PASS		
HV	NT				40000	7.706258	20	PASS		
5270	NV			NT	40000	7.706258	20	PASS		
	LV			NT	40000	7.706258	20	PASS		
	HV			NT	40000	7.706258	20	PASS		
5310	NV			NT	40000	7.201528	20	PASS		
	LV			NT	40000	7.201528	20	PASS		
	HV			NT	40000	7.201528	20	PASS		
5510	NV			NT	40000	6.801736	20	PASS		
	LV			NT	40000	6.801736	20	PASS		
	HV			NT	40000	6.801736	20	PASS		
5550	NV			NT	40000	7.207207	20	PASS		
	LV			NT	40000	7.207207	20	PASS		
	HV			NT	40000	7.207207	20	PASS		
5670	NV			NT	40000	7.207207	20	PASS		
	LV			NT	40000	7.207207	20	PASS		
	HV			NT	40000	7.207207	20	PASS		
5755	NV			NT	40000	6.950478	20	PASS		
	LV			NT	40000	6.950478	20	PASS		
	HV			NT	40000	6.950478	20	PASS		
5795	NV			NT	40000	6.902502	20	PASS		
	LV			NT	40000	6.902502	20	PASS		
	HV			NT	40000	6.902502	20	PASS		
11AC20S	Ant1			5180	NV	NT	20000	3.861004	20	PASS

ISO			LV	NT	20000	3.861004	20	PASS		
			HV	NT	20000	3.861004	20	PASS		
		5200	NV	NT	20000	3.861004	20	PASS		
			LV	NT	20000	3.861004	20	PASS		
		5240	HV	NT	20000	3.861004	20	PASS		
			NV	NT	20000	3.816794	20	PASS		
			LV	NT	20000	3.816794	20	PASS		
		5260	HV	NT	20000	3.816794	20	PASS		
			NV	NT	20000	3.816794	20	PASS		
			LV	NT	20000	3.816794	20	PASS		
		5280	HV	NT	20000	3.816794	20	PASS		
			NV	NT	20000	3.759398	20	PASS		
			LV	NT	20000	3.759398	20	PASS		
		5320	HV	NT	20000	3.759398	20	PASS		
			NV	NT	20000	3.759398	20	PASS		
			LV	NT	20000	3.759398	20	PASS		
		5500	HV	NT	20000	3.759398	20	PASS		
			NV	NT	20000	3.401652	20	PASS		
			LV	NT	20000	3.401652	20	PASS		
		5580	HV	NT	20000	3.401652	20	PASS		
			NV	NT	20000	3.401652	20	PASS		
			LV	NT	20000	3.401652	20	PASS		
		5700	HV	NT	20000	3.401652	20	PASS		
			NV	NT	20000	3.508772	20	PASS		
			LV	NT	20000	3.508772	20	PASS		
		5745	HV	NT	20000	3.508772	20	PASS		
			NV	NT	20000	3.481288	20	PASS		
			LV	NT	20000	3.481288	20	PASS		
		5785	HV	NT	20000	3.481288	20	PASS		
			NV	NT	20000	3.481288	20	PASS		
			LV	NT	20000	3.481288	20	PASS		
		5825	HV	NT	20000	3.60515	20	PASS		
			NV	NT	20000	3.60515	20	PASS		
			LV	NT	20000	3.60515	20	PASS		
		11AC40S	Ant1	5190	NV	NT	40000	6.903325	20	PASS

ISO		LV	NT	40000	6.903325	20	PASS	
		HV	NT	40000	6.903325	20	PASS	
5230		NV	NT	40000	7.106839	20	PASS	
		LV	NT	40000	7.106839	20	PASS	
		HV	NT	40000	7.106839	20	PASS	
		NV	NT	40000	7.206358	20	PASS	
		LV	NT	40000	7.206358	20	PASS	
5270		HV	NT	40000	7.206358	20	PASS	
		NV	NT	40000	7.206358	20	PASS	
		LV	NT	40000	7.206358	20	PASS	
5310		NV	NT	40000	7.105629	20	PASS	
		LV	NT	40000	7.105629	20	PASS	
		HV	NT	40000	7.105629	20	PASS	
5510		NV	NT	40000	7.207207	20	PASS	
		LV	NT	40000	7.207207	20	PASS	
		HV	NT	40000	7.207207	20	PASS	
5550		NV	NT	40000	6.805638	20	PASS	
		LV	NT	40000	6.805638	20	PASS	
		HV	NT	40000	6.805638	20	PASS	
5670		NV	NT	40000	7.207207	20	PASS	
		LV	NT	40000	7.207207	20	PASS	
		HV	NT	40000	7.207207	20	PASS	
5755		NV	NT	40000	6.905013	20	PASS	
		LV	NT	40000	6.905013	20	PASS	
		HV	NT	40000	6.905013	20	PASS	
5795		NV	NT	40000	15.355086	20	PASS	
		LV	NT	40000	15.355086	20	PASS	
		HV	NT	40000	15.355086	20	PASS	
11AC80S ISO	Ant1	5210	NV	NT	80000	15.122873	20	PASS
			LV	NT	80000	15.122873	20	PASS
			HV	NT	80000	15.122873	20	PASS
		5290	NV	NT	80000	14.466546	20	PASS
			LV	NT	80000	14.466546	20	PASS
			HV	NT	80000	14.466546	20	PASS
		5530	NV	NT	80000	14.26025	20	PASS
			LV	NT	80000	14.26025	20	PASS
			HV	NT	80000	14.26025	20	PASS
5610	NV	NT	80000	14.26025	20	PASS		

			LV	NT	80000	14.26025	20	PASS
			HV	NT	80000	14.26025	20	PASS
		5775	NV	NT	80000	13.852814	20	PASS
			LV	NT	80000	13.852814	20	PASS
			HV	NT	80000	13.852814	20	PASS

Appendix G) Antenna Requirement

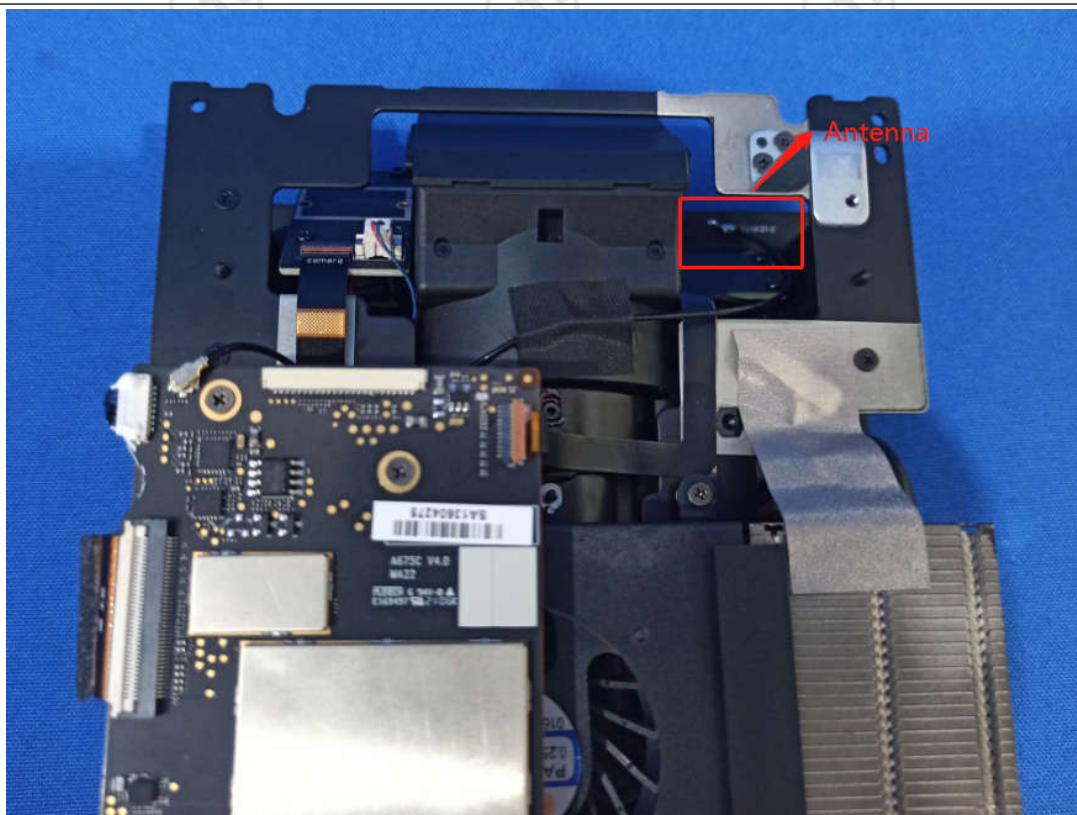
15.203 requirement:

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, 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.

15.407(a)(1) (2) requirement:

The conducted output power limit specified in paragraph (a) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (a) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power and the peak power spectral density shall be reduced by the by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:



The antenna is integrated on the main FPC and no consideration of replacement. The best case gain of the antenna is 5.5dBi.

Appendix H) Operation in the absence of information to the transmit

15.407(c) requirement:

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signal ling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

Operation in the absence of information to the transmit

Operation never ceases as information from cell town is always present. (manufacturer declare)

Appendix I) AC Power Line Conducted Emission

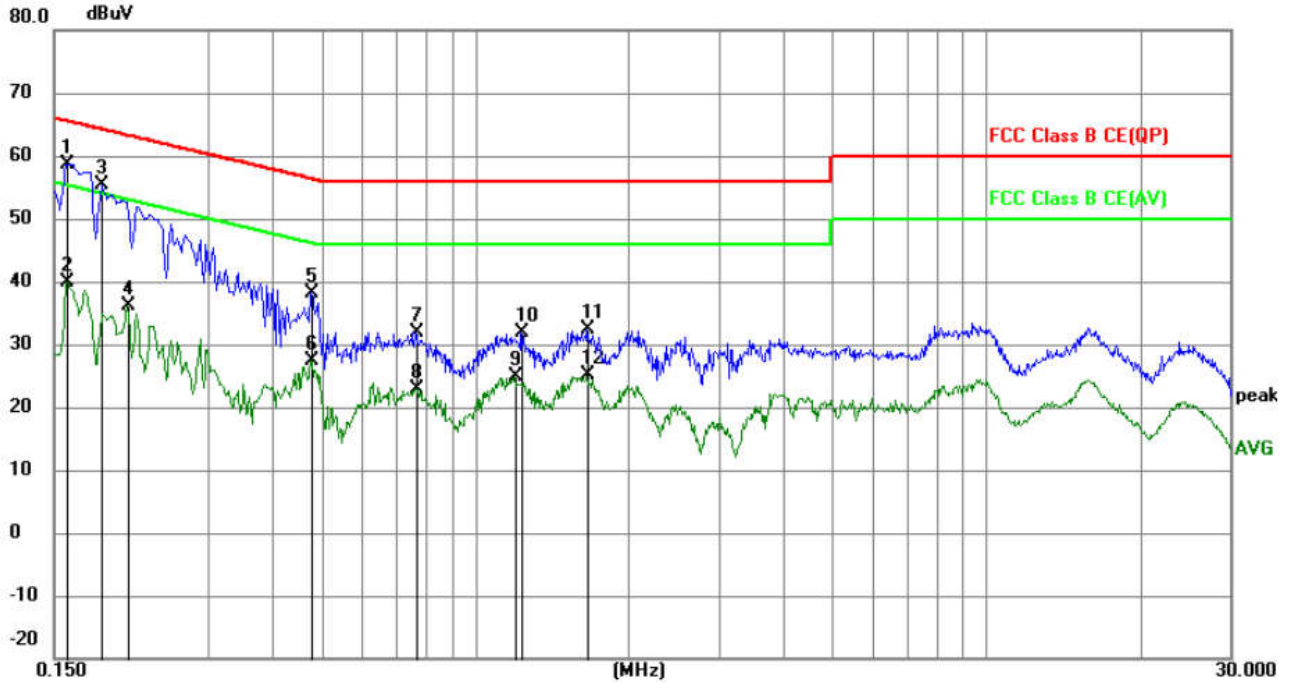
<p>Test Procedure:</p>	<p>Test frequency range :150KHz-30MHz</p> <ol style="list-style-type: none"> 1)The mains terminal disturbance voltage test was conducted in a shielded room. 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50\Omega/50\mu\text{H} + 5\Omega$ linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded. 3)The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement. 														
<p>Limit:</p>	<table border="1" data-bbox="497 1122 1366 1341"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th> <th colspan="2">Limit (dBμV)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15-0.5</td> <td>66 to 56*</td> <td>56 to 46*</td> </tr> <tr> <td>0.5-5</td> <td>56</td> <td>46</td> </tr> <tr> <td>5-30</td> <td>60</td> <td>50</td> </tr> </tbody> </table> <p>* The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz. NOTE : The lower limit is applicable at the transition frequency</p>	Frequency range (MHz)	Limit (dB μ V)		Quasi-peak	Average	0.15-0.5	66 to 56*	56 to 46*	0.5-5	56	46	5-30	60	50
Frequency range (MHz)	Limit (dB μ V)														
	Quasi-peak	Average													
0.15-0.5	66 to 56*	56 to 46*													
0.5-5	56	46													
5-30	60	50													

Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector.

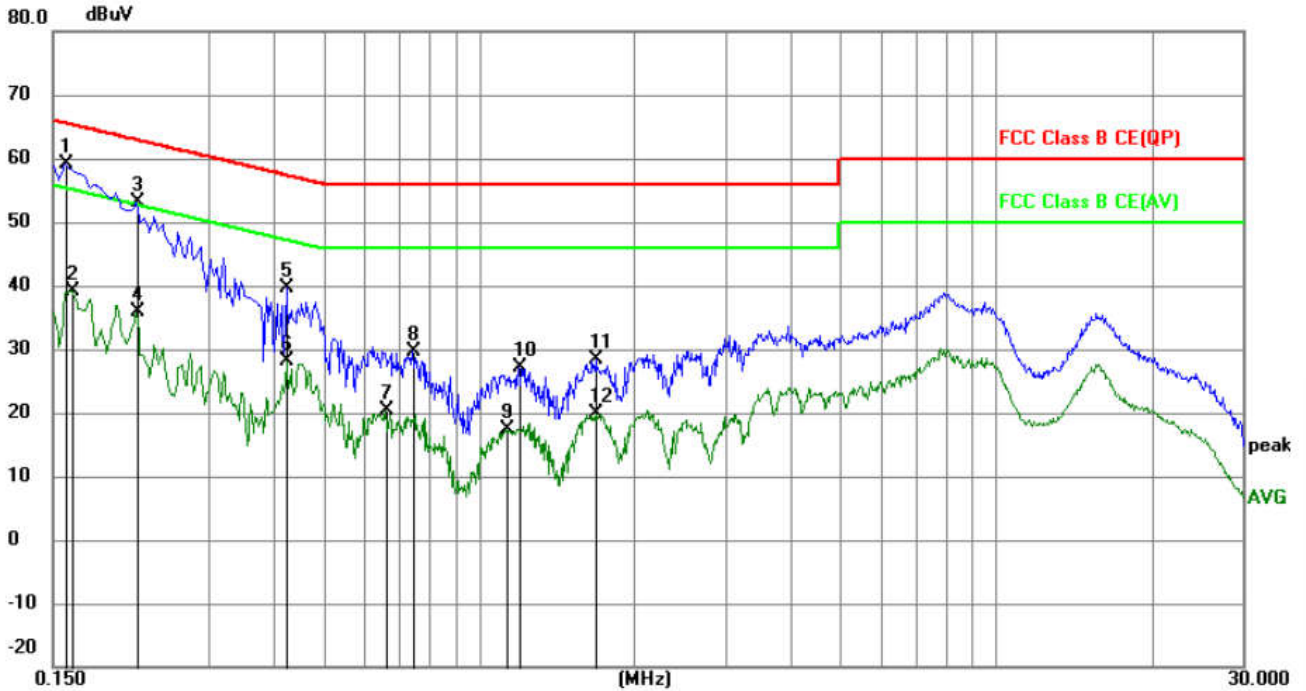
Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Live line:



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1590	48.80	9.87	58.67	65.52	-6.85	QP	
2		0.1590	29.97	9.87	39.84	55.52	-15.68	AVG	
3		0.1860	45.54	9.87	55.41	64.21	-8.80	QP	
4		0.2085	26.15	9.89	36.04	53.26	-17.22	AVG	
5		0.4785	28.30	9.95	38.25	56.37	-18.12	QP	
6		0.4785	17.43	9.95	27.38	46.37	-18.99	AVG	
7		0.7665	21.93	9.86	31.79	56.00	-24.21	QP	
8		0.7665	13.12	9.86	22.98	46.00	-23.02	AVG	
9		1.1940	15.11	9.82	24.93	46.00	-21.07	AVG	
10		1.2345	22.11	9.82	31.93	56.00	-24.07	QP	
11		1.6620	22.63	9.80	32.43	56.00	-23.57	QP	
12		1.6620	15.30	9.80	25.10	46.00	-20.90	AVG	

Neutral line:



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1590	49.18	9.87	59.05	65.52	-6.47	QP	
2		0.1635	29.31	9.87	39.18	55.28	-16.10	AVG	
3		0.2175	43.15	9.90	53.05	62.91	-9.86	QP	
4		0.2175	25.88	9.90	35.78	52.91	-17.13	AVG	
5		0.4245	29.56	9.97	39.53	57.36	-17.83	QP	
6		0.4245	18.08	9.97	28.05	47.36	-19.31	AVG	
7		0.6585	10.33	9.96	20.29	46.00	-25.71	AVG	
8		0.7440	19.68	9.87	29.55	56.00	-26.45	QP	
9		1.1310	7.53	9.82	17.35	46.00	-28.65	AVG	
10		1.1940	17.28	9.82	27.10	56.00	-28.90	QP	
11		1.6890	18.59	9.80	28.39	56.00	-27.61	QP	
12		1.6890	10.02	9.80	19.82	46.00	-26.18	AVG	

Notes:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.

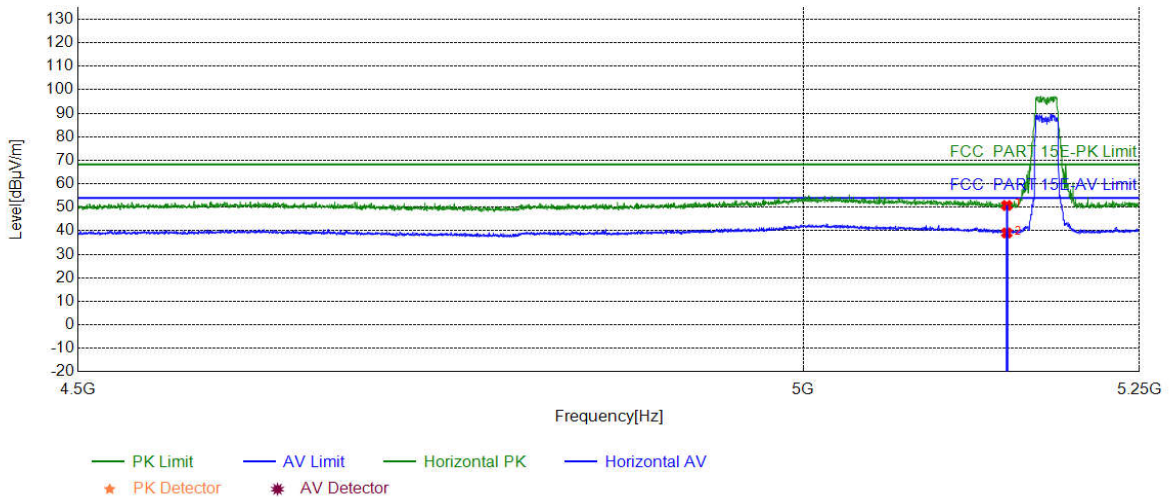
Appendix J) Restricted bands around fundamental frequency (Radiated Emission)

Receiver Setup:	<table border="1"> <thead> <tr> <th>Frequency</th> <th>Detector</th> <th>RBW</th> <th>VBW</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>30MHz-1GHz</td> <td>Quasi-peak</td> <td>120kHz</td> <td>300kHz</td> <td>Quasi-peak</td> </tr> <tr> <td rowspan="2">Above 1GHz</td> <td>Peak</td> <td>1MHz</td> <td>3MHz</td> <td>Peak</td> </tr> <tr> <td>Peak</td> <td>1MHz</td> <td>10Hz</td> <td>Average</td> </tr> </tbody> </table>	Frequency	Detector	RBW	VBW	Remark	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak	Above 1GHz	Peak	1MHz	3MHz	Peak	Peak	1MHz	10Hz	Average	
Frequency	Detector	RBW	VBW	Remark																	
30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak																	
Above 1GHz	Peak	1MHz	3MHz	Peak																	
	Peak	1MHz	10Hz	Average																	
Test Procedure:	<p>Below 1GHz test procedure as below:</p> <ol style="list-style-type: none"> The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel <p>Above 1GHz test procedure as below:</p> <ol style="list-style-type: none"> Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 metre to 1.5 metre(Above 18GHz the distance is 1 meter and table is 1.5 metre). Test the EUT in the lowest channel , the Highest channel The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case. Repeat above procedures until all frequencies measured was complete. 																				
Limit:	<table border="1"> <thead> <tr> <th>Frequency</th> <th>Limit (dBμV/m @3cm)</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>30MHz-88MHz</td> <td>40.0</td> <td>Quasi-peak Value</td> </tr> <tr> <td>88MHz-216MHz</td> <td>43.5</td> <td>Quasi-peak Value</td> </tr> <tr> <td>216MHz-960MHz</td> <td>46.0</td> <td>Quasi-peak Value</td> </tr> <tr> <td>960MHz-1GHz</td> <td>54.0</td> <td>Quasi-peak Value</td> </tr> <tr> <td rowspan="2">Above 1GHz</td> <td>54.0</td> <td>Average Value</td> </tr> <tr> <td>74.0</td> <td>Peak Value</td> </tr> </tbody> </table>	Frequency	Limit (dB μ V/m @3cm)	Remark	30MHz-88MHz	40.0	Quasi-peak Value	88MHz-216MHz	43.5	Quasi-peak Value	216MHz-960MHz	46.0	Quasi-peak Value	960MHz-1GHz	54.0	Quasi-peak Value	Above 1GHz	54.0	Average Value	74.0	Peak Value
Frequency	Limit (dB μ V/m @3cm)	Remark																			
30MHz-88MHz	40.0	Quasi-peak Value																			
88MHz-216MHz	43.5	Quasi-peak Value																			
216MHz-960MHz	46.0	Quasi-peak Value																			
960MHz-1GHz	54.0	Quasi-peak Value																			
Above 1GHz	54.0	Average Value																			
	74.0	Peak Value																			

Test plot as follows:

Mode:	802.11a(HT20) Transmitting	Channel:	5180
Remark:	PK		

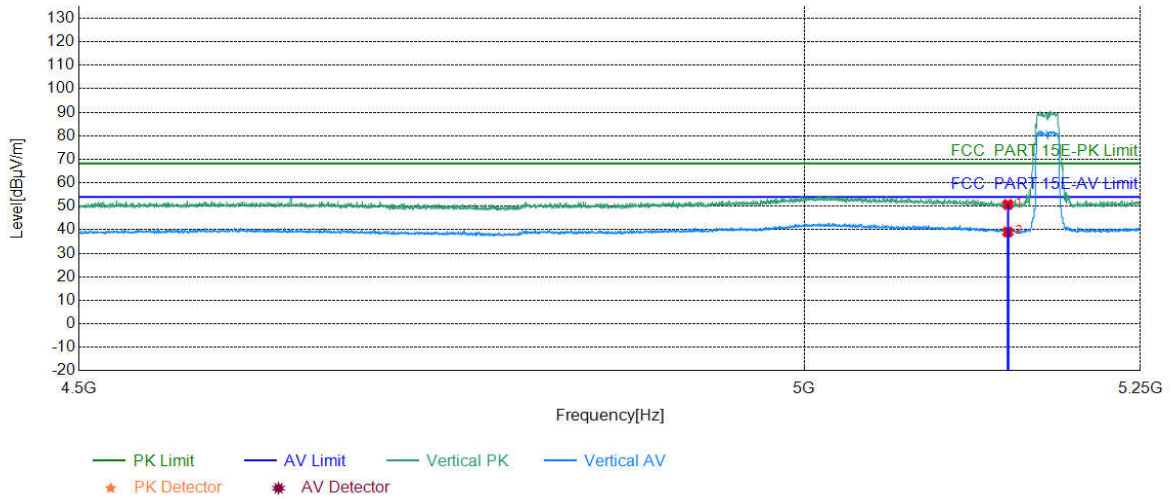
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150.00	12.36	38.42	50.78	68.20	17.42	PASS	Horizontal	PK
2	5150.00	12.36	26.73	39.09	54.00	14.91	PASS	Horizontal	AV

Mode:	802.11a(HT20) Transmitting	Channel:	5180
Remark:			

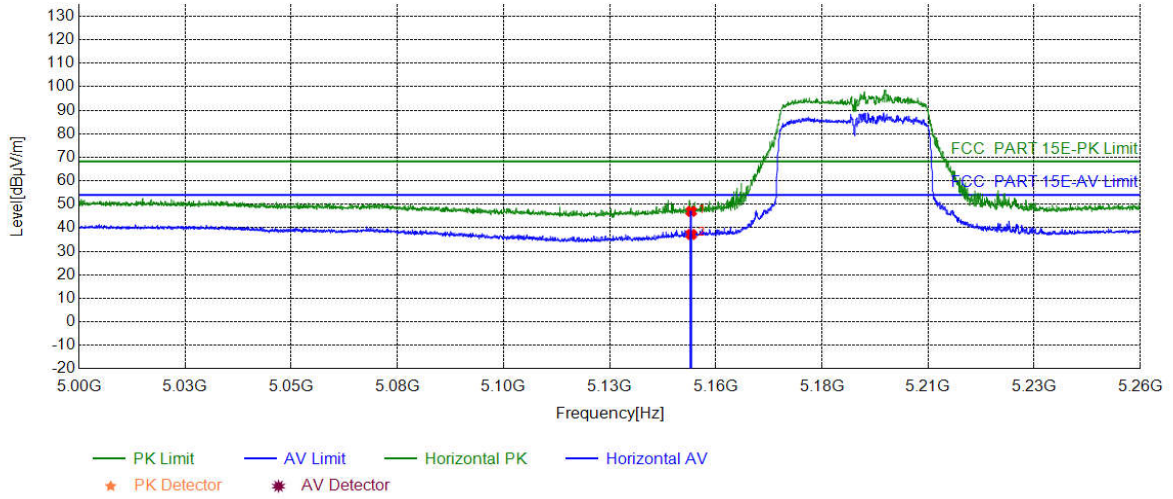
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150.00	12.36	38.38	50.74	68.20	17.46	PASS	Vertical	PK
2	5150.00	12.36	26.71	39.07	54.00	14.93	PASS	Vertical	AV

Mode:	802.11 n(HT40) Transmitting	Channel:	5190
Remark:			

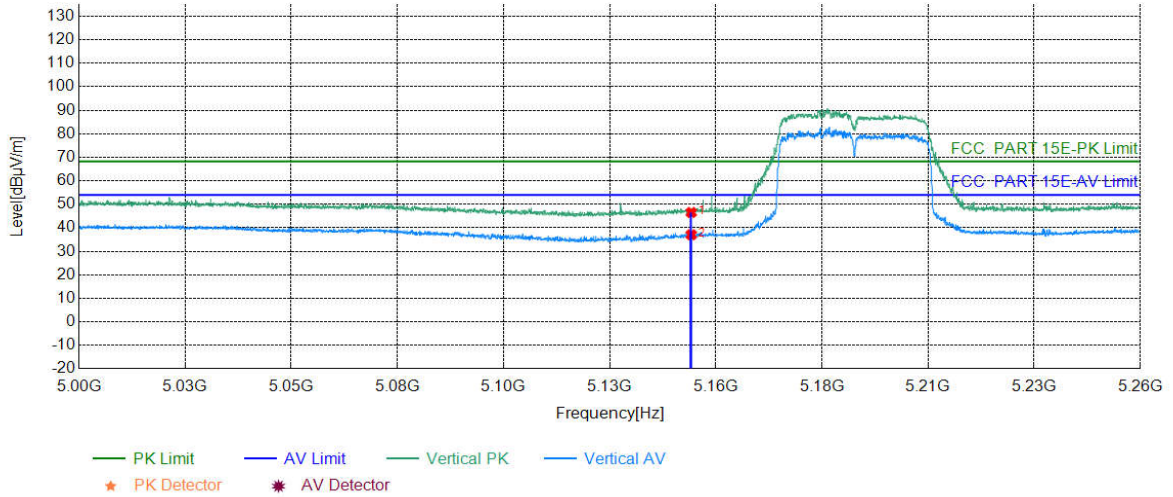
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150.00	12.36	34.65	47.01	68.20	21.19	PASS	Horizontal	PK
2	5150.00	12.36	24.81	37.17	54.00	16.83	PASS	Horizontal	AV

Mode:	802.11 n(HT40) Transmitting	Channel:	5190
Remark:			

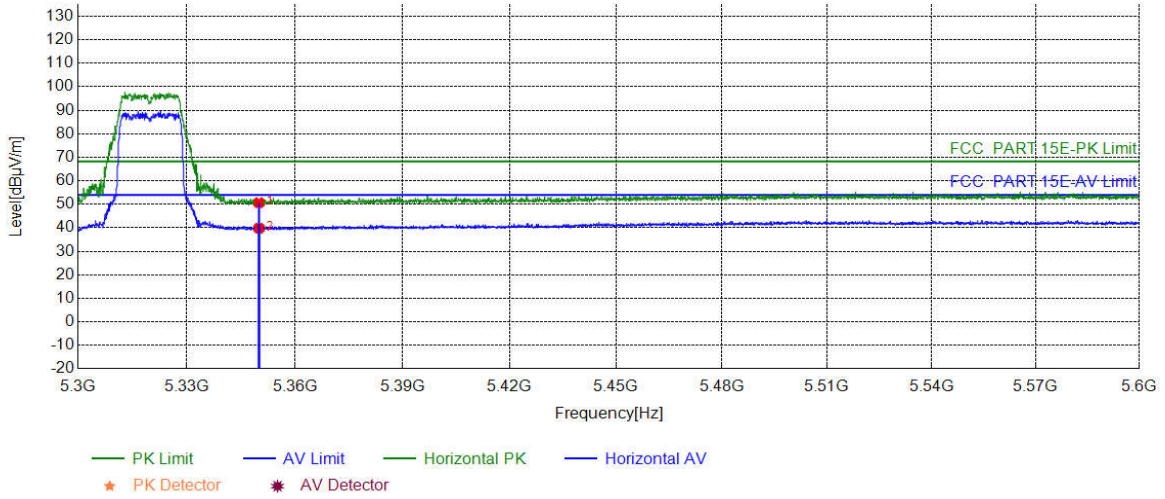
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150.00	12.36	34.17	46.53	68.20	21.67	PASS	Vertical	PK
2	5150.00	12.36	24.67	37.03	54.00	16.97	PASS	Vertical	AV

Mode:	802.11 a Transmitting	Channel:	5320
Remark:	PK		

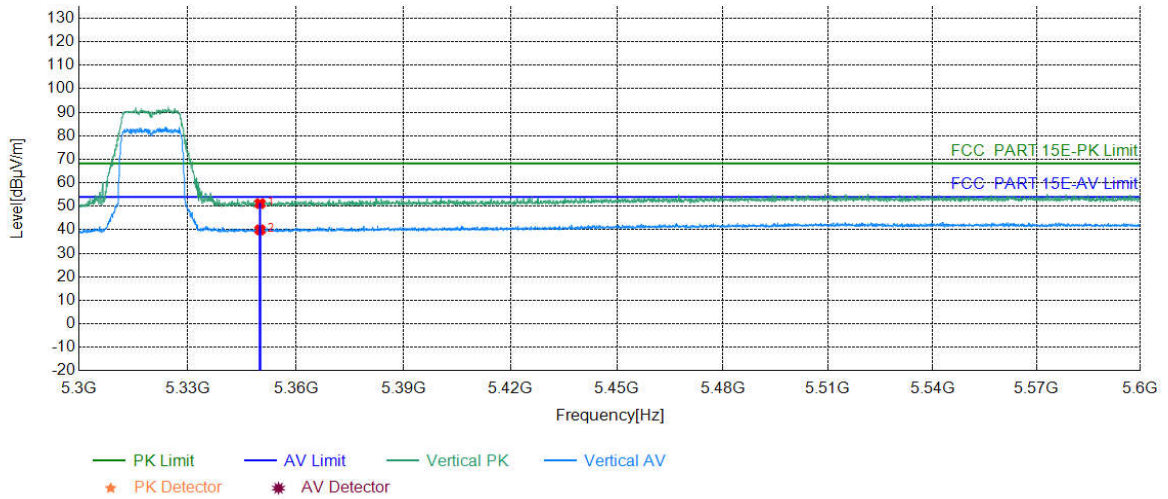
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity
1	5150.0000	34.65	15.08	-42.74	46.73	53.72	74.00	20.28	Pass	Horizontal
2	5178.6608	34.68	15.36	-42.73	95.40	102.71	74.00	-28.71	Pass	Horizontal

Mode:	802.11 a Transmitting	Channel:	5320
Remark:			

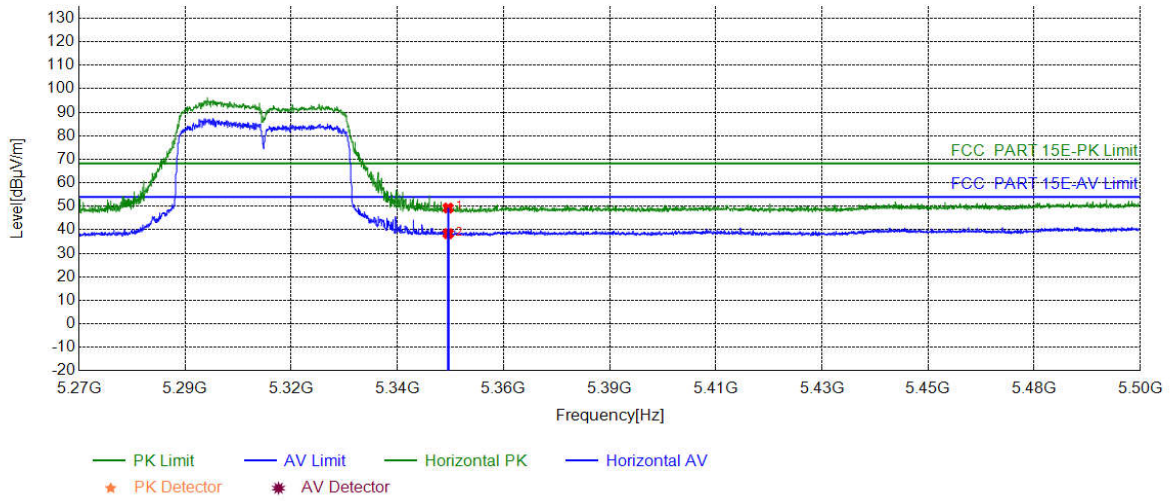
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5350.00	12.73	38.45	51.18	68.20	17.02	PASS	Vertical	PK
2	5350.00	12.73	27.26	39.99	54.00	14.01	PASS	Vertical	AV

Mode:	802.11 n(HT40) Transmitting	Channel:	5310
Remark:			

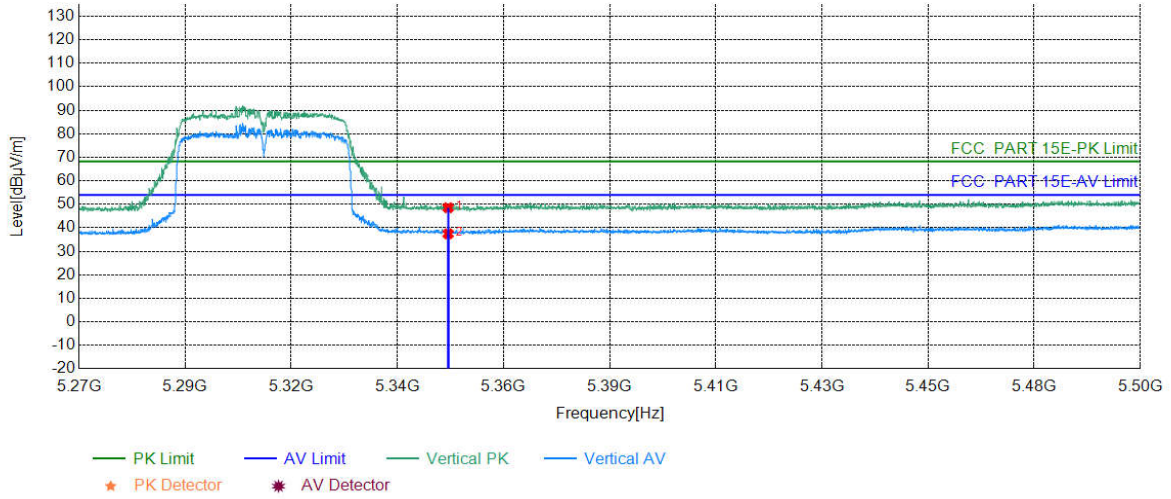
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5350.00	12.73	36.53	49.26	68.20	18.94	PASS	Horizontal	PK
2	5350.00	12.73	25.62	38.35	54.00	15.65	PASS	Horizontal	AV

Mode:	802.11 n(HT40) Transmitting	Channel:	5310
Remark:			

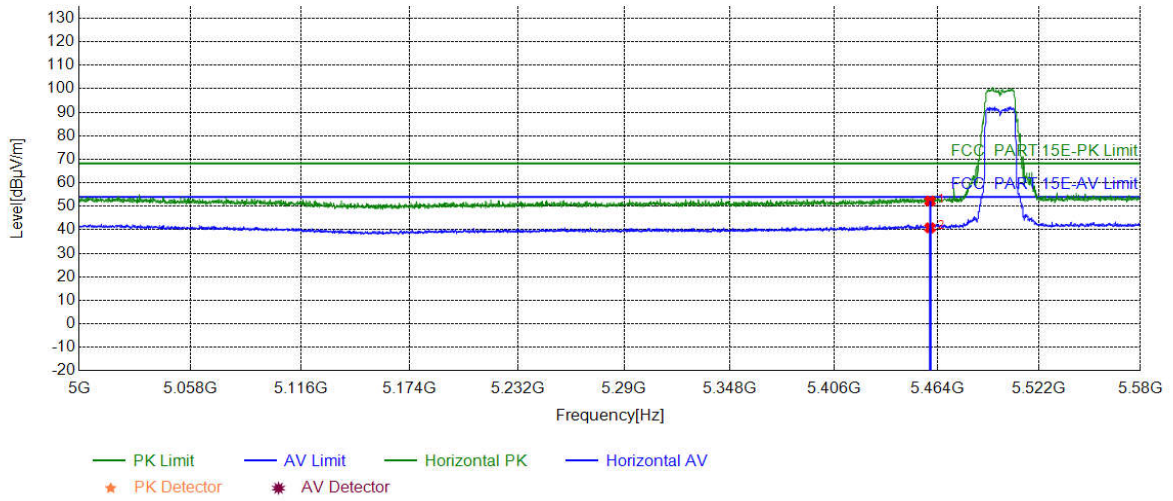
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5350.00	12.73	35.82	48.55	68.20	19.65	PASS	Vertical	PK
2	5350.00	12.73	24.72	37.45	54.00	16.55	PASS	Vertical	AV

Mode:	802.11 a Transmitting	Channel:	5500
Remark:			

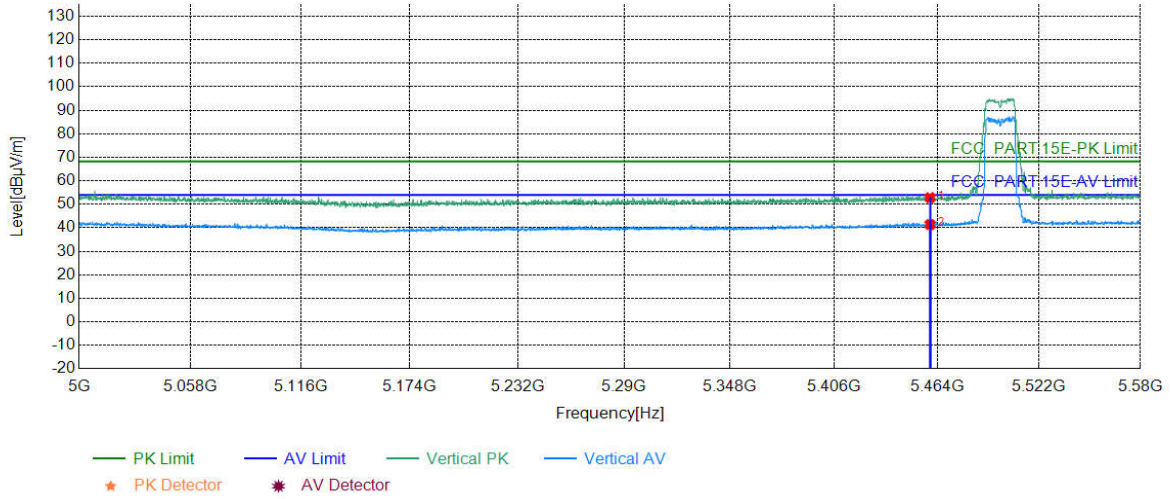
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5460.00	13.24	38.98	52.22	68.20	15.98	PASS	Horizontal	PK
2	5460.00	13.24	27.61	40.85	54.00	13.15	PASS	Horizontal	AV

Mode:	802.11 a Transmitting	Channel:	5500
Remark:	PK		

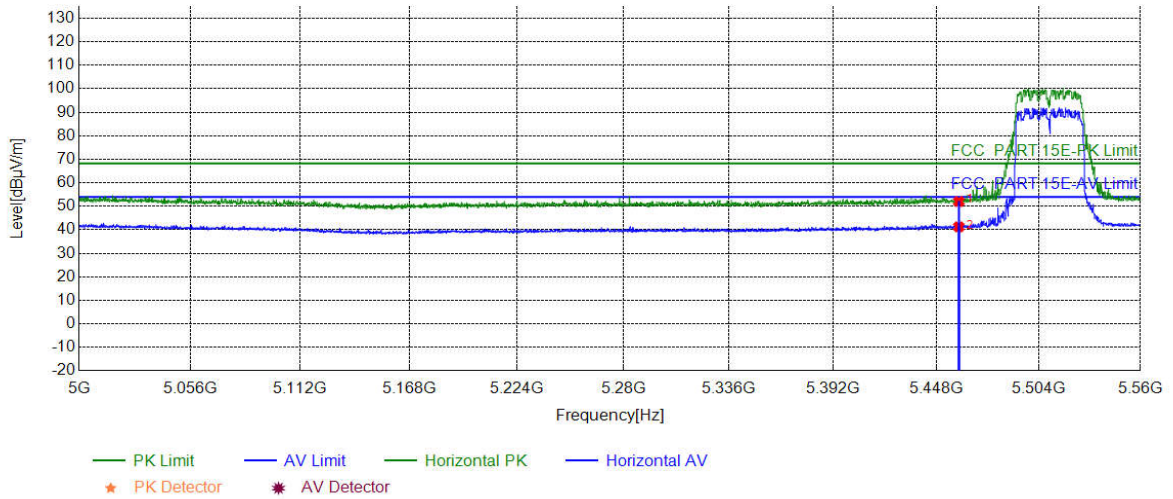
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5460.00	13.24	39.58	52.82	68.20	15.38	PASS	Vertical	PK
2	5460.00	13.24	28.15	41.39	54.00	12.61	PASS	Vertical	AV

Mode:	802.11n(HT40) Transmitting	Channel:	5510
Remark:			

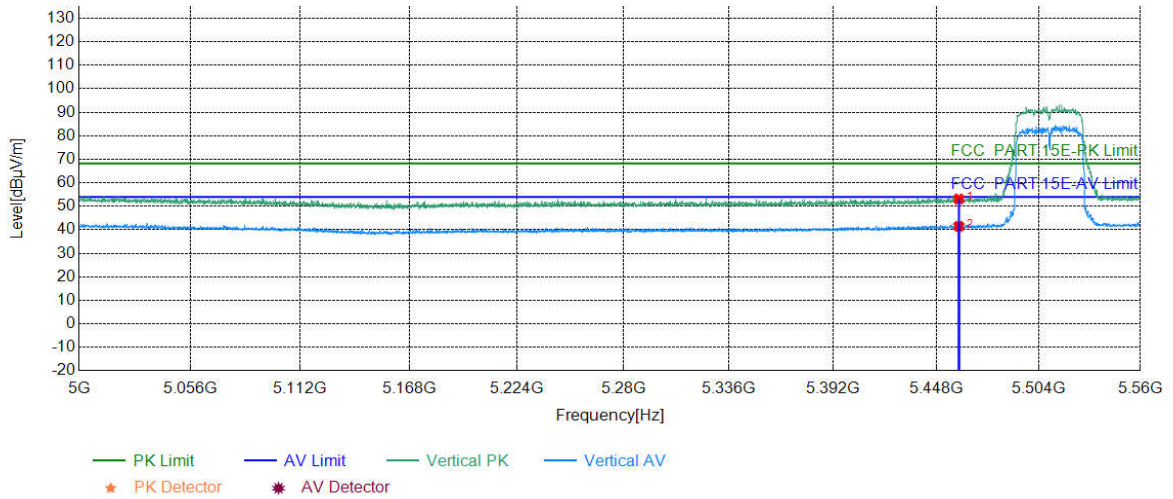
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5460.00	13.24	38.80	52.04	68.20	16.16	PASS	Horizontal	PK
2	5460.00	13.24	28.02	41.26	54.00	12.74	PASS	Horizontal	AV

Mode:	802.11n(HT40) Transmitting	Channel:	5510
Remark:	AV		

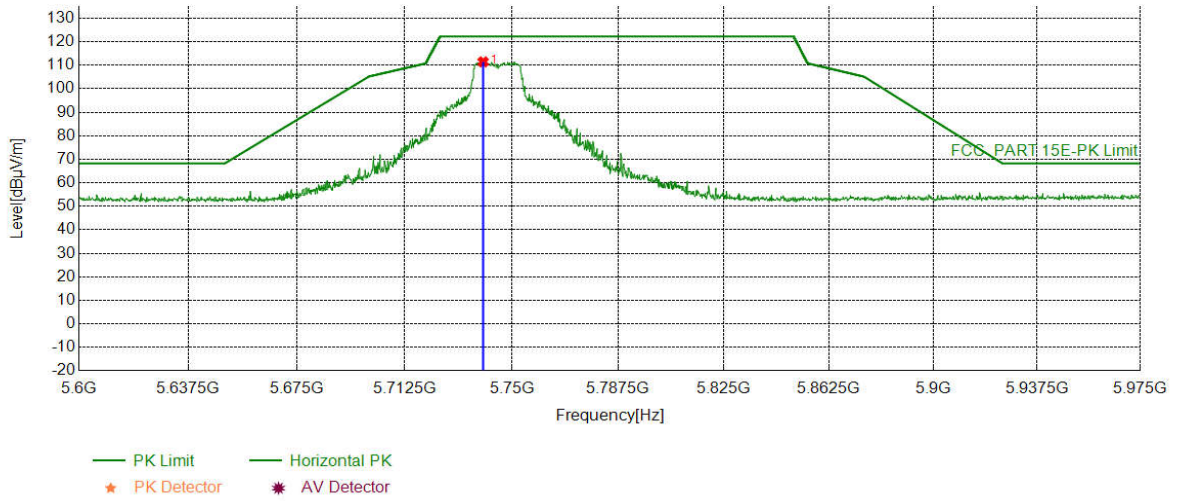
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5460.00	13.24	39.88	53.12	68.20	15.08	PASS	Vertical	PK
2	5460.00	13.24	28.21	41.45	54.00	12.55	PASS	Vertical	AV

Mode:	802.11 a Transmitting	Channel:	5745
Remark:	PK		

Test Graph

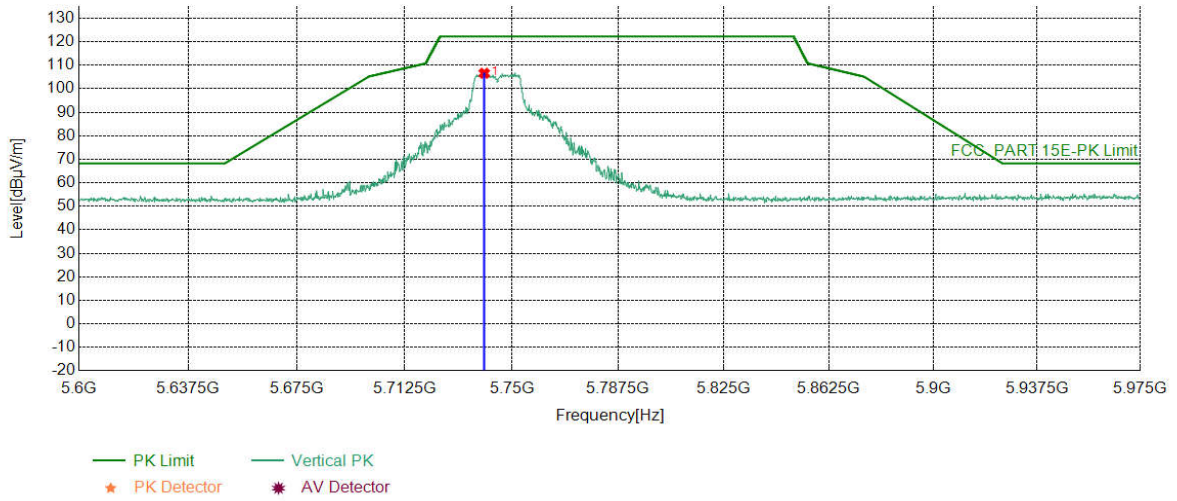


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5739.94	13.84	97.62	111.46	122.20	10.74	PASS	Horizontal	PK

Mode:	802.11 a Transmitting	Channel:	5745
Remark:	PK		

Test Graph

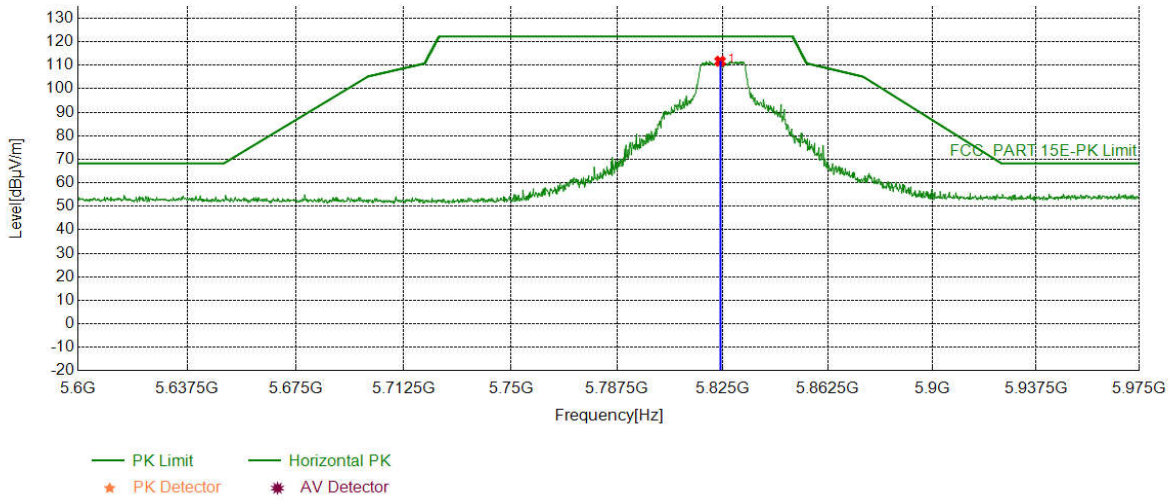


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5740.32	13.84	92.75	106.59	122.20	15.61	PASS	Vertical	PK

Mode:	802.11 a Transmitting	Channel:	5825
Remark:	PK		

Test Graph

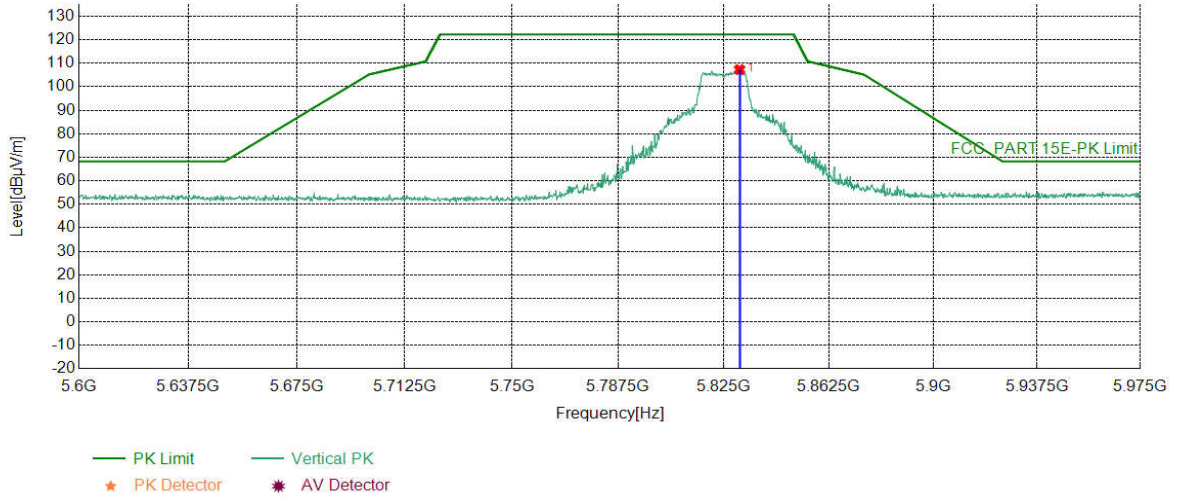


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5823.98	14.03	97.67	111.70	122.20	10.50	PASS	Horizontal	PK

Mode:	802.11 a Transmitting	Channel	5825
Remark:	PK		

Test Graph

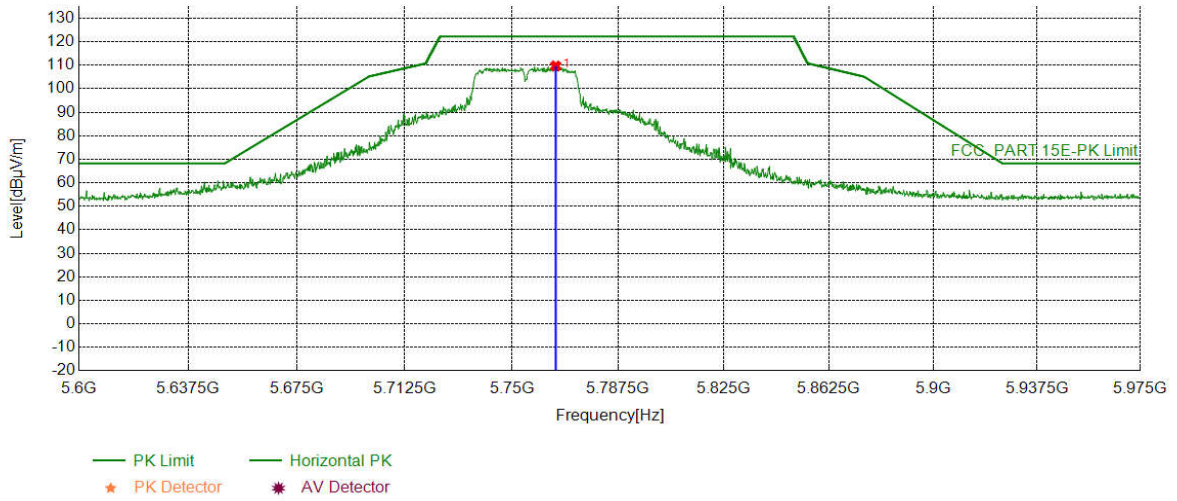


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5830.55	14.05	93.26	107.31	122.20	14.89	PASS	Vertical	PK

Mode:	802.11 n(HT40) Transmitting	Channel:	5755
Remark:	PK		

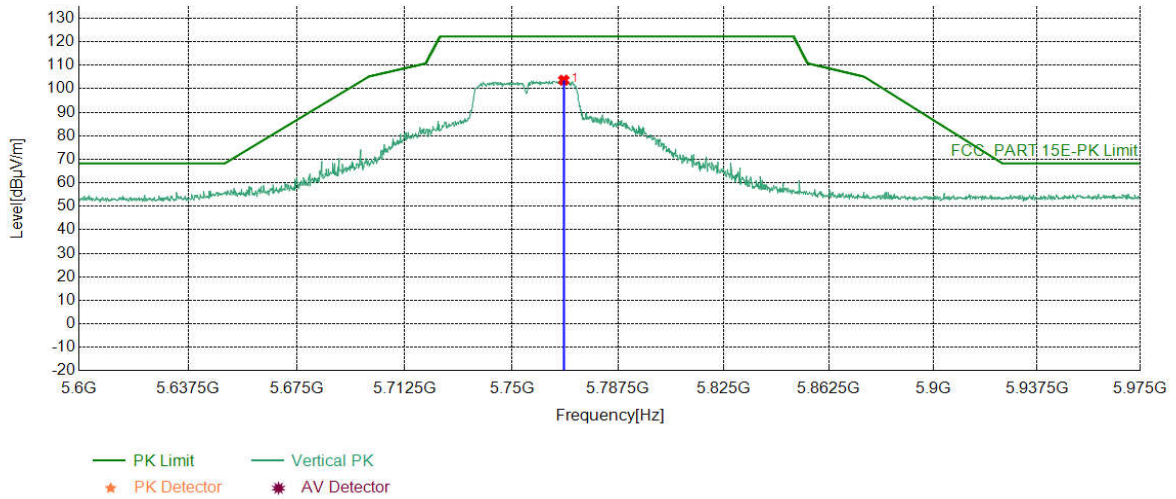
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5765.45	13.88	95.81	109.69	122.20	12.51	PASS	Horizontal	PK

Mode:	802.11 n(HT40) Transmitting	Channel:	5755
Remark:	PK		

Test Graph

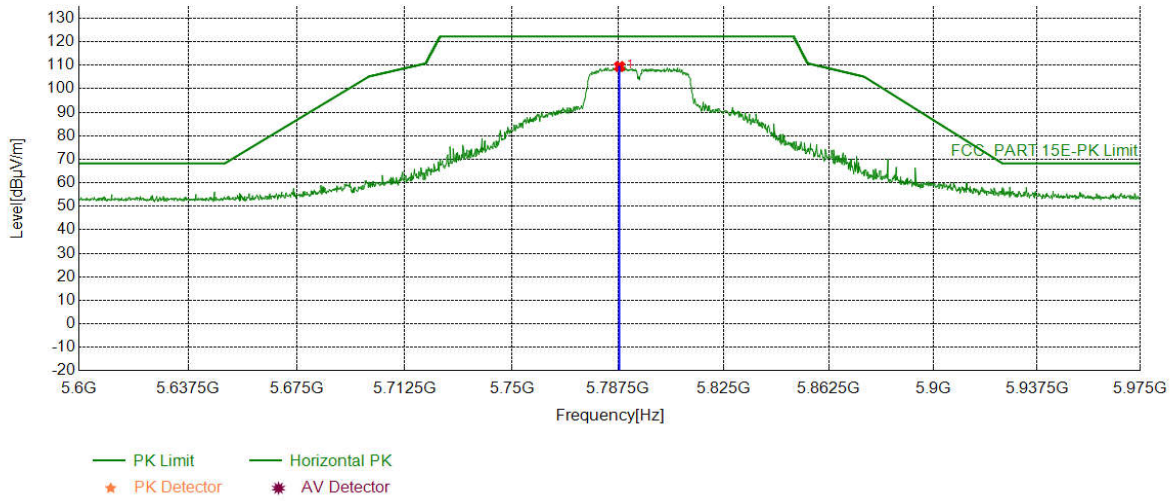


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5768.27	13.89	89.76	103.65	122.20	18.55	PASS	Vertical	PK

Mode:	802.11 n(HT40) Transmitting	Channel:	5795
Remark:	PK		

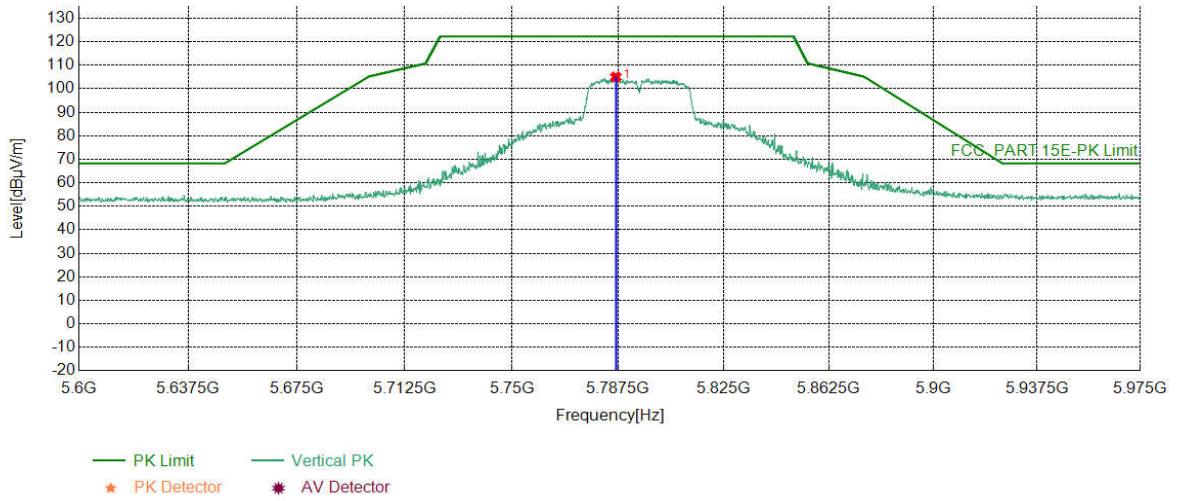
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5787.96	13.92	95.56	109.48	122.20	12.72	PASS	Horizontal	PK

Mode:	802.11 n(HT40) Transmitting	Channel:	5795
Remark:	PK		

Test Graph

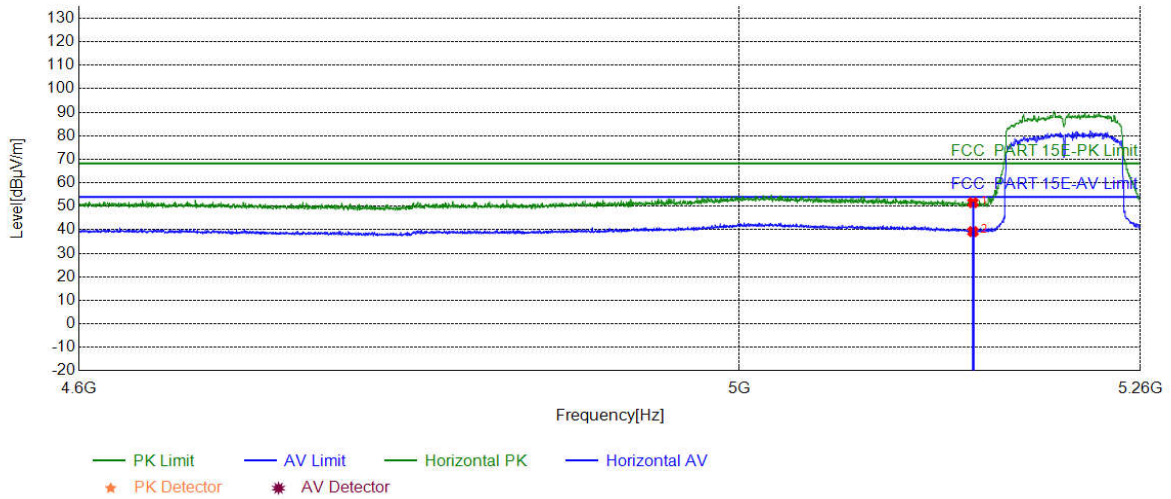


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5786.65	13.92	91.09	105.01	122.20	17.19	PASS	Vertical	PK

Mode:	802.11 ac(VHT80) Transmitting	Channel:	5210
Remark:			

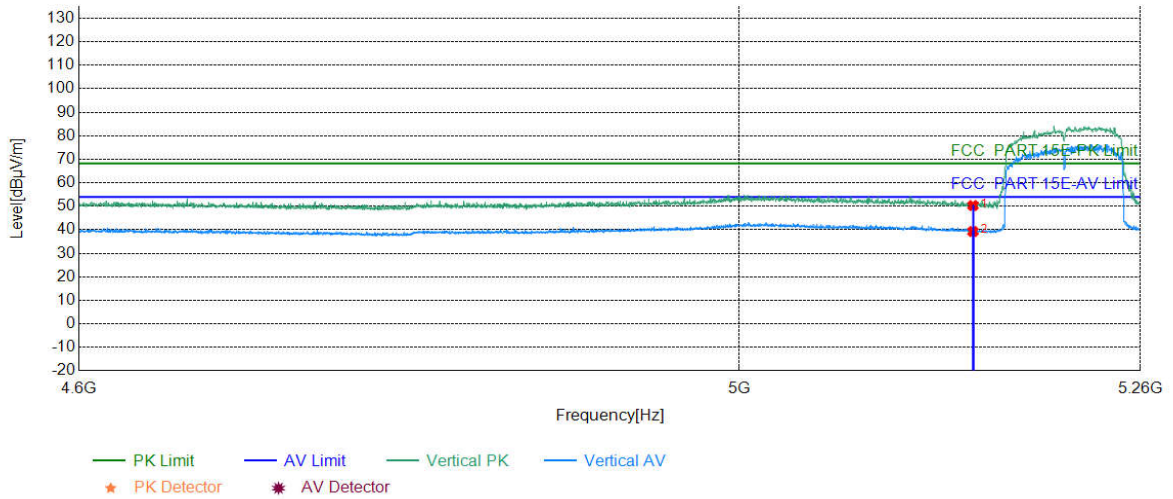
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150.000	12.36	39.19	51.55	68.20	16.65	PASS	Horizontal	PK
2	5150.000	12.36	26.88	39.24	54.00	14.76	PASS	Horizontal	AV

Mode:	802.11 ac(VHT80) Transmitting	Channel:	5210
Remark:			

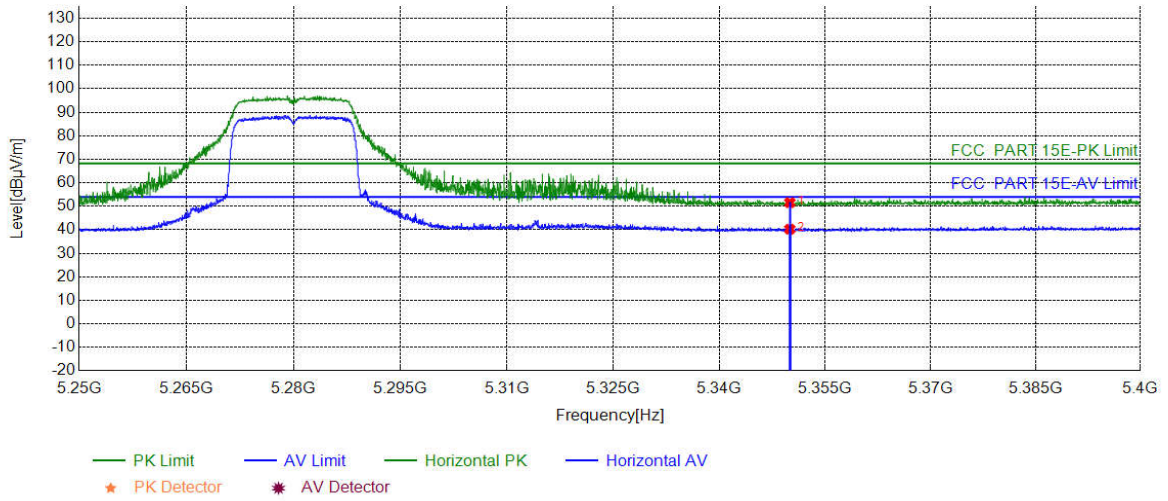
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150.0000	12.36	37.95	50.31	68.20	17.89	PASS	Vertical	PK
2	5150.0000	12.36	26.92	39.28	54.00	14.72	PASS	Vertical	AV

Mode:	802.11 ac(VHT80) Transmitting	Channel:	5290
Remark:	AV		

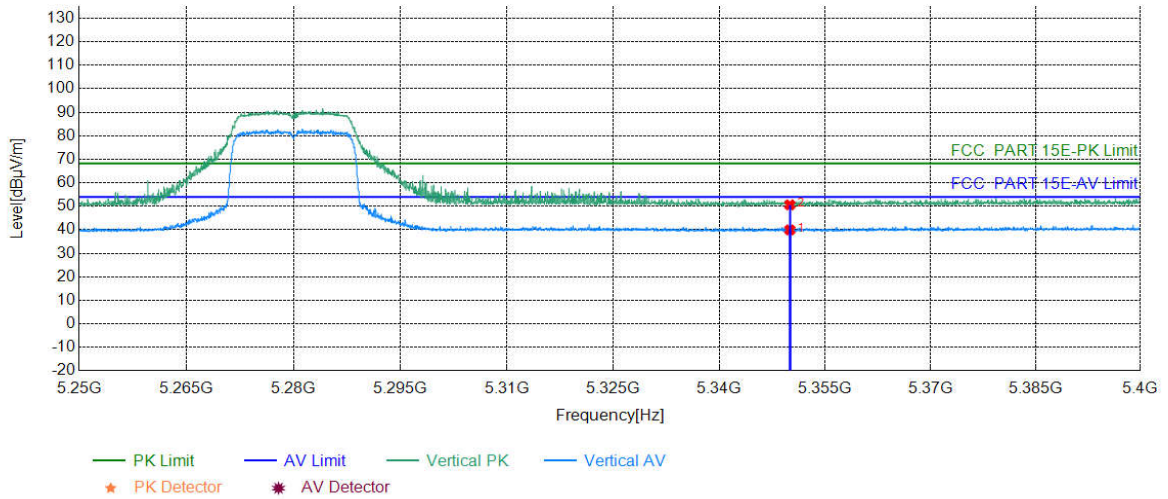
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5350.00	12.72	38.83	51.55	68.20	16.65	PASS	Horizontal	PK
2	5350.00	12.72	27.54	40.26	54.00	13.74	PASS	Horizontal	AV

Mode:	802.11 ac(VHT80) Transmitting	Channel:	5290
Remark:			

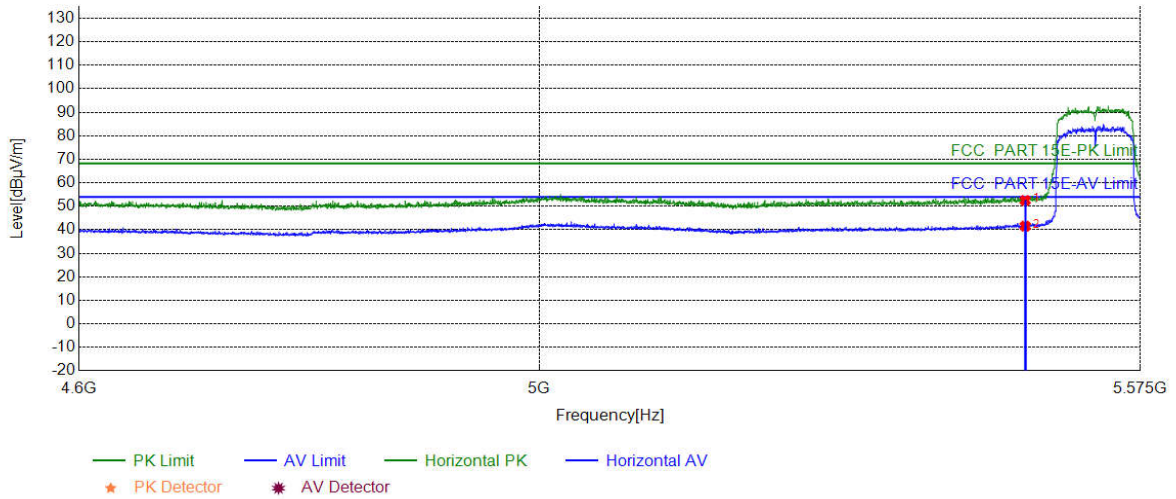
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5350.000	12.72	27.25	39.97	54.00	14.03	PASS	Vertical	AV
2	5350.000	12.72	37.90	50.62	68.20	17.58	PASS	Vertical	PK

Mode:	802.11 ac(VHT80) Transmitting	Channel:	5530
Remark:			

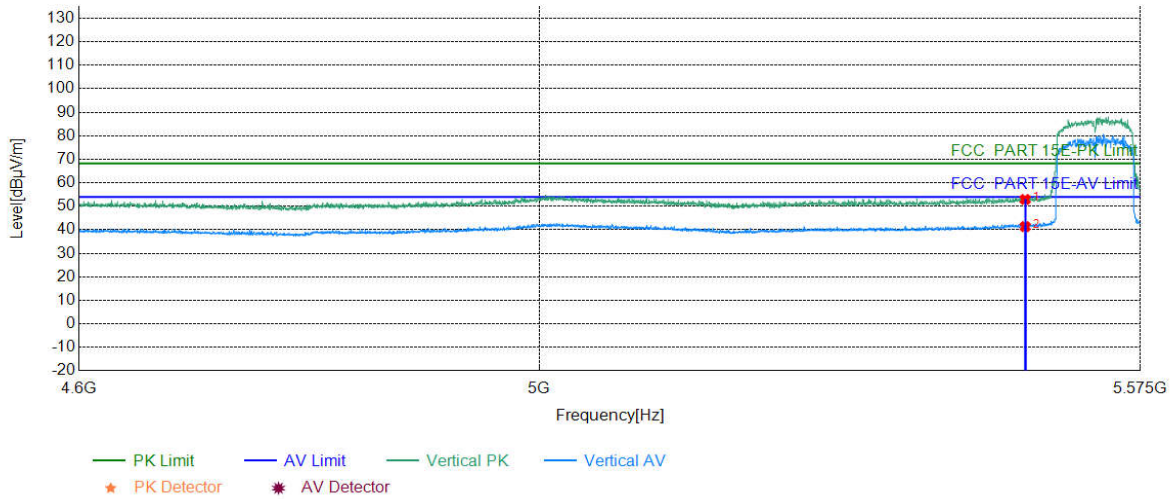
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5460.000	13.24	39.24	52.48	68.20	15.72	PASS	Horizontal	PK
2	5460.000	13.24	28.32	41.56	54.00	12.44	PASS	Horizontal	AV

Mode:	802.11 ac(VHT80) Transmitting	Channel:	5530
Remark:			

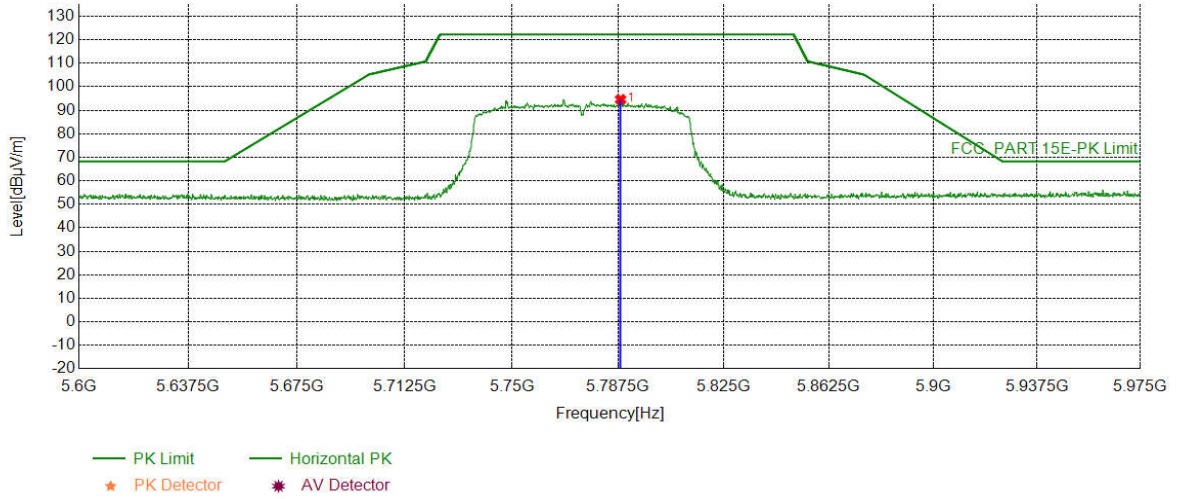
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5460.000	13.24	39.69	52.93	68.20	15.27	PASS	Vertical	PK
2	5460.000	13.24	28.12	41.36	54.00	12.64	PASS	Vertical	AV

Mode:	802.11 ac(VHT80) Transmitting	Channel:	5775
Remark:			

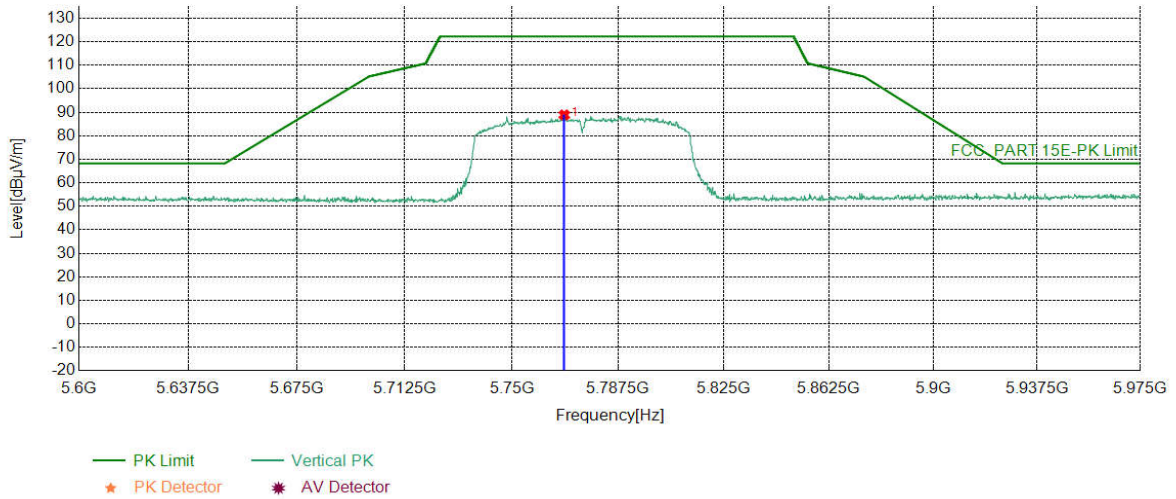
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5788.3442	13.92	80.64	94.56	122.20	27.64	PASS	Horizontal	PK

Mode:	802.11ac(VHT80) Transmitting	Channel:	5775
Remark:	PK		

Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5768.4592	13.89	74.98	88.87	122.20	33.33	PASS	Vertical	PK

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

Appendix K) Unwanted Emissions in the Restricted Bands (Radiated Emission)

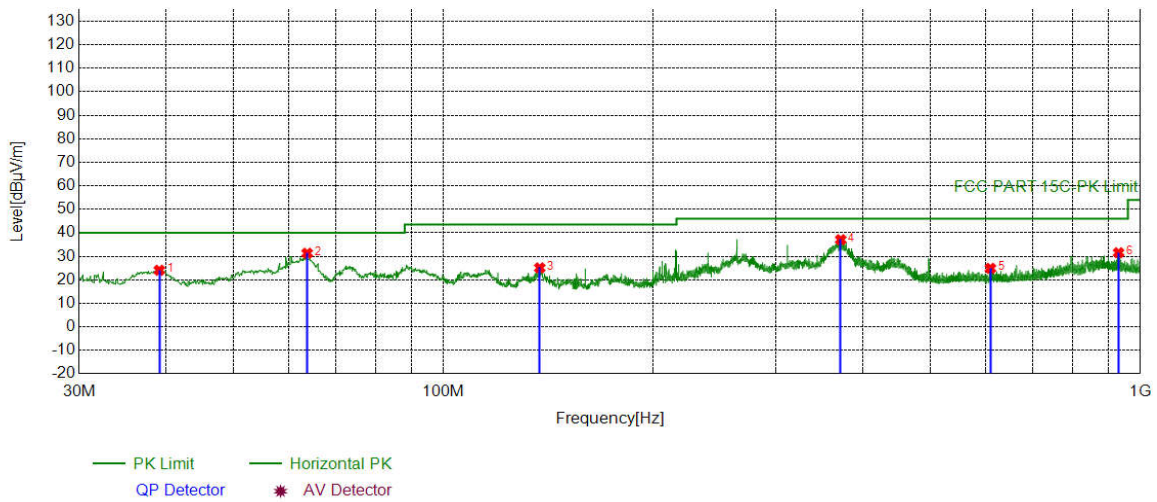
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10Hz	Average	
Test Procedure:					
Below 1GHz test procedure as below:					
<p>a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</p> <p>c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</p> <p>d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</p>					
Above 1GHz test procedure as below:					
<p>g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 metre to 1.5 metre(Above 18GHz the distance is 1 meter and table is 1.5 metre)</p> <p>h. Test the EUT in the lowest channel ,the middle channel ,the Highest channel</p> <p>i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.</p> <p>j. Repeat above procedures until all frequencies measured was complete.</p>					
Limit:	Frequency	Field strength (microvolt/meter)	Limit (dBµV/cm)	Remark	Measurement distance (cm)
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz-88MHz	100	40.0	Quasi-peak	3
	88MHz-216MHz	150	43.5	Quasi-peak	3
	216MHz-960MHz	200	46.0	Quasi-peak	3
	960MHz-1GHz	500	54.0	Quasi-peak	3
	Above 1GHz	500	54.0	Average	3
	Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.				
Test result:	PASS				

Radiated Spurious Emissions test Data:

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, 802.11a 5180Mhz was selected as the worst condition. The test data of the worst-case condition was recorded in this report.

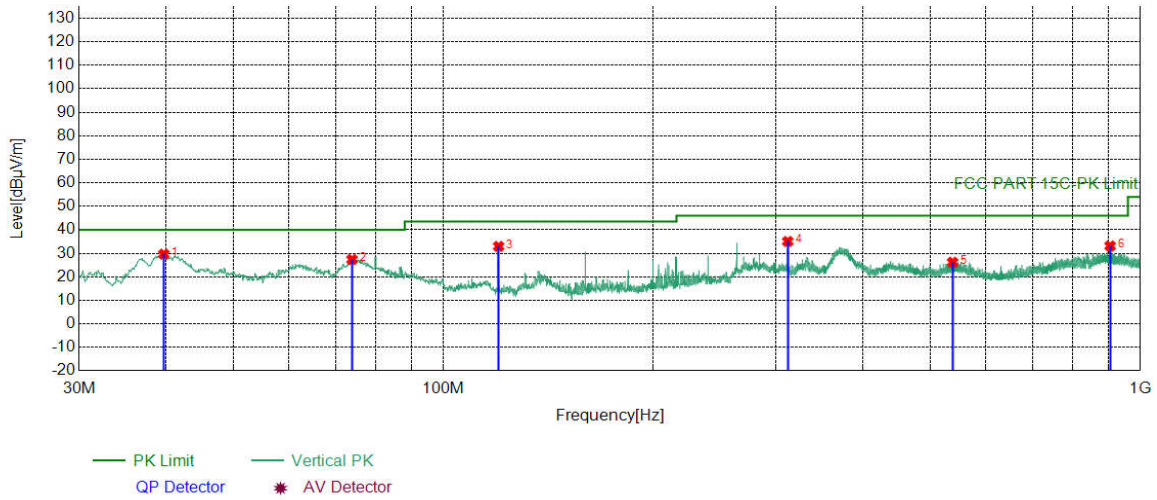
Radiated Emission below 1GHz

Mode:	802.11 a Transmitting	Channel:	5180
Remark:			



NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	39.1189	-18.31	42.38	24.07	40.00	15.93	PASS	Horizontal	PK
2	63.7594	-19.36	50.68	31.32	40.00	8.68	PASS	Horizontal	PK
3	137.4867	-21.91	46.98	25.07	43.50	18.43	PASS	Horizontal	PK
4	371.6682	-13.51	50.59	37.08	46.00	8.92	PASS	Horizontal	PK
5	609.5360	-8.51	33.40	24.89	46.00	21.11	PASS	Horizontal	PK
6	931.0261	-4.67	36.21	31.54	46.00	14.46	PASS	Horizontal	PK

Mode:	802.11 a Transmitting	Channel:	5180
Remark:			



NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	39.7010	-18.12	47.77	29.65	40.00	10.35	PASS	Vertical	PK
2	73.9454	-21.50	48.86	27.36	40.00	12.64	PASS	Vertical	PK
3	120.0250	-20.08	53.04	32.96	43.50	10.54	PASS	Vertical	PK
4	312.0072	-15.10	50.16	35.06	46.00	10.94	PASS	Vertical	PK
5	537.9428	-10.08	36.28	26.20	46.00	19.80	PASS	Vertical	PK
6	905.2215	-4.94	38.07	33.13	46.00	12.87	PASS	Vertical	PK

Transmitter Emission above 1GHz

During the test, the Radiates Emission above was performed in all modes with all channels, 802.11a/n mode were selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Mode:			802.11 a(HT20) Transmitting				Channel:		5180	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	1060.5061	0.81	45.09	45.90	68.20	22.30	PASS	Horizontal	PK	
2	2339.9340	4.18	42.30	46.48	68.20	21.72	PASS	Horizontal	PK	
3	3898.7899	8.90	39.16	48.06	68.20	20.14	PASS	Horizontal	PK	
4	7603.4802	-10.55	54.71	44.16	68.20	24.04	PASS	Horizontal	PK	
5	10360.1680	-6.26	58.39	52.13	68.20	16.07	PASS	Horizontal	PK	
6	14362.9431	0.24	49.33	49.57	68.20	18.63	PASS	Horizontal	PK	
7	1064.9065	0.79	47.94	48.73	68.20	19.47	PASS	Vertical	PK	
8	1991.7492	4.58	44.57	49.15	68.20	19.05	PASS	Vertical	PK	
9	4400.9901	11.22	39.05	50.27	68.20	17.93	PASS	Vertical	PK	
10	7614.9807	-10.63	54.75	44.12	68.20	24.08	PASS	Vertical	PK	
11	10360.1680	-6.26	60.51	54.25	68.20	13.95	PASS	Vertical	PK	
12	10360.7430	-6.26	57.11	50.85	54.00	3.15	PASS	Vertical	AV	
13	14411.2456	0.48	49.54	50.02	68.20	18.18	PASS	Vertical	PK	

Mode:			802.11 a(HT20) Transmitting				Channel:		5200	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	1073.1573	0.76	46.79	47.55	68.20	20.65	PASS	Horizontal	PK	
2	1988.4488	4.57	40.91	45.48	68.20	22.72	PASS	Horizontal	PK	
3	3416.3916	7.58	39.77	47.35	68.20	20.85	PASS	Horizontal	PK	
4	7830.0415	-11.31	54.78	43.47	68.20	24.73	PASS	Horizontal	PK	
5	10399.8450	-6.27	60.86	54.59	68.20	13.61	PASS	Horizontal	PK	
6	10400.4200	-6.27	56.00	49.73	54.00	4.27	PASS	Horizontal	AV	
7	14369.2685	0.31	50.07	50.38	68.20	17.82	PASS	Horizontal	PK	
8	1332.2332	1.24	46.18	47.42	68.20	20.78	PASS	Vertical	PK	
9	1998.8999	4.62	43.70	48.32	68.20	19.88	PASS	Vertical	PK	
10	3195.8196	6.96	40.49	47.45	68.20	20.75	PASS	Vertical	PK	
11	7518.9509	-11.14	54.82	43.68	68.20	24.52	PASS	Vertical	PK	
12	10400.4200	-6.27	61.47	55.20	68.20	13.00	PASS	Vertical	PK	
13	10400.4200	-6.27	58.19	51.92	54.00	2.08	PASS	Vertical	AV	
14	14367.5434	0.29	49.76	50.05	68.20	18.15	PASS	Vertical	PK	

Mode:			802.11 a(HT20) Transmitting				Channel:		5240	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark	
1	1080.3080	0.74	46.14	46.88	68.20	21.32	PASS	Horizontal	PK	
2	2148.5149	4.51	42.03	46.54	68.20	21.66	PASS	Horizontal	PK	
3	3296.4796	7.38	40.62	48.00	68.20	20.20	PASS	Horizontal	PK	
4	7365.4183	-11.39	56.14	44.75	68.20	23.45	PASS	Horizontal	PK	
5	10480.3490	-6.45	56.71	50.26	68.20	17.94	PASS	Horizontal	PK	
6	14377.3189	0.40	49.52	49.92	68.20	18.28	PASS	Horizontal	PK	
7	1064.3564	0.79	48.48	49.27	68.20	18.93	PASS	Vertical	PK	
8	1992.8493	4.59	45.07	49.66	68.20	18.54	PASS	Vertical	PK	
9	3960.3960	9.23	39.93	49.16	68.20	19.04	PASS	Vertical	PK	
10	7581.0541	-10.67	54.29	43.62	68.20	24.58	PASS	Vertical	PK	
11	10480.3490	-6.45	58.81	52.36	68.20	15.84	PASS	Vertical	PK	
12	14365.8183	0.27	50.12	50.39	68.20	17.81	PASS	Vertical	PK	

Mode:			802.11 n(HT40) Transmitting				Channel:		5190	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark	
1	1042.9043	0.87	46.75	47.62	68.20	20.58	PASS	Horizontal	PK	
2	1835.5336	3.68	41.51	45.19	68.20	23.01	PASS	Horizontal	PK	
3	3194.1694	6.96	40.74	47.70	68.20	20.50	PASS	Horizontal	PK	
4	8547.6774	-10.55	55.17	44.62	68.20	23.58	PASS	Horizontal	PK	
5	10380.2940	-6.27	60.43	54.16	68.20	14.04	PASS	Horizontal	PK	
6	10380.8690	-6.27	54.78	48.51	54.00	5.49	PASS	Horizontal	AV	
7	15803.9652	-1.34	52.05	50.71	68.20	17.49	PASS	Horizontal	PK	
8	1063.8064	0.80	47.59	48.39	68.20	19.81	PASS	Vertical	PK	
9	1996.6997	4.61	45.02	49.63	68.20	18.57	PASS	Vertical	PK	
10	2665.5666	5.41	44.93	50.34	68.20	17.86	PASS	Vertical	PK	
11	7575.8788	-10.71	54.66	43.95	68.20	24.25	PASS	Vertical	PK	
12	10379.7190	-6.27	61.56	55.29	68.20	12.91	PASS	Vertical	PK	
13	10380.8690	-6.27	57.47	51.20	54.00	2.80	PASS	Vertical	AV	
14	14433.6717	0.15	49.90	50.05	68.20	18.15	PASS	Vertical	PK	

Mode:			802.11 n(HT40) Transmitting				Channel:		5230	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	1065.4565	0.79	45.37	46.16	68.20	22.04	PASS	Horizontal	PK	
2	1927.3927	4.31	41.43	45.74	68.20	22.46	PASS	Horizontal	PK	
3	3201.8702	6.98	40.44	47.42	68.20	20.78	PASS	Horizontal	PK	
4	7610.3805	-10.60	54.12	43.52	68.20	24.68	PASS	Horizontal	PK	
5	10460.2230	-6.41	58.00	51.59	68.20	16.61	PASS	Horizontal	PK	
6	14373.8687	0.36	49.75	50.11	68.20	18.09	PASS	Horizontal	PK	
7	1064.9065	0.79	47.54	48.33	68.20	19.87	PASS	Vertical	PK	
8	2662.2662	5.40	44.56	49.96	68.20	18.24	PASS	Vertical	PK	
9	3953.7954	9.19	38.89	48.08	68.20	20.12	PASS	Vertical	PK	
10	7390.7195	-11.46	55.89	44.43	68.20	23.77	PASS	Vertical	PK	
11	10460.2230	-6.41	59.49	53.08	68.20	15.12	PASS	Vertical	PK	
12	14401.4701	0.62	49.31	49.93	68.20	18.27	PASS	Vertical	PK	

Mode:			802.11 a(HT20) Transmitting				Channel:		5260	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	1074.8075	0.76	47.03	47.79	68.20	20.41	PASS	Horizontal	PK	
2	2040.1540	4.79	41.35	46.14	68.20	22.06	PASS	Horizontal	PK	
3	3402.0902	7.57	40.06	47.63	68.20	20.57	PASS	Horizontal	PK	
4	7588.5294	-10.62	54.16	43.54	68.20	24.66	PASS	Horizontal	PK	
5	10520.0260	-6.49	57.46	50.97	68.20	17.23	PASS	Horizontal	PK	
6	14404.3452	0.58	50.18	50.76	68.20	17.44	PASS	Horizontal	PK	
7	1065.4565	0.79	44.30	45.09	68.20	23.11	PASS	Vertical	PK	
8	1998.8999	4.62	43.79	48.41	68.20	19.79	PASS	Vertical	PK	
9	3111.1111	6.84	41.89	48.73	68.20	19.47	PASS	Vertical	PK	
10	7217.6359	-11.69	55.04	43.35	68.20	24.85	PASS	Vertical	PK	
11	10520.0260	-6.49	59.49	53.00	68.20	15.20	PASS	Vertical	PK	
12	15901.7201	0.12	51.64	51.76	68.20	16.44	PASS	Vertical	PK	

Mode:			802.11 a(HT20) Transmitting				Channel:		5280	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	1044.0044	0.87	46.91	47.78	68.20	20.42	PASS	Horizontal	PK	
2	1925.7426	4.30	42.57	46.87	68.20	21.33	PASS	Horizontal	PK	
3	3173.2673	6.93	40.92	47.85	68.20	20.35	PASS	Horizontal	PK	
4	7522.9761	-11.11	55.24	44.13	68.20	24.07	PASS	Horizontal	PK	
5	10560.2780	-6.46	56.40	49.94	68.20	18.26	PASS	Horizontal	PK	
6	15494.0247	0.39	50.19	50.58	68.20	17.62	PASS	Horizontal	PK	
7	1064.3564	0.79	47.40	48.19	68.20	20.01	PASS	Vertical	PK	
8	1996.1496	4.60	43.76	48.36	68.20	19.84	PASS	Vertical	PK	
9	4520.3520	11.49	38.29	49.78	68.20	18.42	PASS	Vertical	PK	
10	7437.8719	-11.41	55.58	44.17	68.20	24.03	PASS	Vertical	PK	
11	10559.7030	-6.46	59.12	52.66	68.20	15.54	PASS	Vertical	PK	
12	14396.8698	0.61	48.91	49.52	68.20	18.68	PASS	Vertical	PK	

Mode:			802.11 a(HT20) Transmitting				Channel:		5320	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	1061.6062	0.80	45.31	46.11	68.20	22.09	PASS	Horizontal	PK	
2	2037.4037	4.78	41.38	46.16	68.20	22.04	PASS	Horizontal	PK	
3	3594.0594	7.06	40.43	47.49	68.20	20.71	PASS	Horizontal	PK	
4	7374.0437	-11.41	55.23	43.82	68.20	24.38	PASS	Horizontal	PK	
5	10640.2070	-6.33	57.04	50.71	68.20	17.49	PASS	Horizontal	PK	
6	14393.9947	0.58	49.05	49.63	68.20	18.57	PASS	Horizontal	PK	
7	1064.3564	0.79	45.86	46.65	68.20	21.55	PASS	Vertical	PK	
8	1990.6491	4.58	43.11	47.69	68.20	20.51	PASS	Vertical	PK	
9	3960.9461	9.23	39.75	48.98	68.20	19.22	PASS	Vertical	PK	
10	7609.8055	-10.59	54.13	43.54	68.20	24.66	PASS	Vertical	PK	
11	10640.2070	-6.33	60.62	54.29	68.20	13.91	PASS	Vertical	PK	
12	10640.7820	-6.33	57.24	50.91	54.00	3.09	PASS	Vertical	AV	
13	14446.3223	-0.04	50.13	50.09	68.20	18.11	PASS	Vertical	PK	

Mode:			802.11 n(HT40) Transmitting				Channel:		5270	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	1074.2574	0.76	46.68	47.44	68.20	20.76	PASS	Horizontal	PK	
2	1926.8427	4.31	41.56	45.87	68.20	22.33	PASS	Horizontal	PK	
3	3328.3828	7.44	39.54	46.98	68.20	21.22	PASS	Horizontal	PK	
4	7363.1182	-11.38	54.76	43.38	68.20	24.82	PASS	Horizontal	PK	
5	10540.1520	-6.48	56.95	50.47	68.20	17.73	PASS	Horizontal	PK	
6	14995.4748	-0.96	51.24	50.28	68.20	17.92	PASS	Horizontal	PK	
7	1063.8064	0.80	49.40	50.20	68.20	18.00	PASS	Vertical	PK	
8	1996.1496	4.60	44.53	49.13	68.20	19.07	PASS	Vertical	PK	
9	3508.8009	7.57	39.44	47.01	68.20	21.19	PASS	Vertical	PK	
10	7987.0244	-11.46	56.20	44.74	68.20	23.46	PASS	Vertical	PK	
11	10540.1520	-6.48	60.04	53.56	68.20	14.64	PASS	Vertical	PK	
12	13892.5696	-0.95	50.55	49.60	68.20	18.60	PASS	Vertical	PK	

Mode:			802.11 n(HT40) Transmitting				Channel:		5310	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	1080.3080	0.74	45.55	46.29	68.20	21.91	PASS	Horizontal	PK	
2	2090.7591	5.01	40.83	45.84	68.20	22.36	PASS	Horizontal	PK	
3	3951.5952	9.18	40.38	49.56	68.20	18.64	PASS	Horizontal	PK	
4	7591.4046	-10.59	54.36	43.77	68.20	24.43	PASS	Horizontal	PK	
5	10620.0810	-6.39	55.66	49.27	68.20	18.93	PASS	Horizontal	PK	
6	15492.2996	0.37	51.63	52.00	68.20	16.20	PASS	Horizontal	PK	
7	1074.2574	0.76	42.97	43.73	68.20	24.47	PASS	Vertical	PK	
8	2657.3157	5.37	43.72	49.09	68.20	19.11	PASS	Vertical	PK	
9	3803.0803	8.56	39.64	48.20	68.20	20.00	PASS	Vertical	PK	
10	7364.8432	-11.38	54.72	43.34	68.20	24.86	PASS	Vertical	PK	
11	10620.0810	-6.39	60.60	54.21	68.20	13.99	PASS	Vertical	PK	
12	10620.6560	-6.38	57.83	51.45	54.00	2.55	PASS	Vertical	AV	
13	14387.6694	0.51	49.21	49.72	68.20	18.48	PASS	Vertical	PK	

Mode:			802.11 a (HT20)Transmitting				Channel:		5500	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	1042.9043	1.21	45.98	47.19	68.20	21.01	PASS	Horizontal	PK	
2	1814.0814	3.89	41.78	45.67	68.20	22.53	PASS	Horizontal	PK	
3	3325.6326	8.28	40.15	48.43	68.20	19.77	PASS	Horizontal	PK	
4	7582.6055	-10.66	54.25	43.59	68.20	24.61	PASS	Horizontal	PK	
5	10999.8667	-5.82	56.87	51.05	68.20	17.15	PASS	Horizontal	PK	
6	15886.9258	-0.07	52.49	52.42	68.20	15.78	PASS	Horizontal	PK	
7	1053.9054	1.19	45.45	46.64	68.20	21.56	PASS	Vertical	PK	
8	1994.4995	5.07	43.61	48.68	68.20	19.52	PASS	Vertical	PK	
9	3345.9846	8.24	40.61	48.85	68.20	19.35	PASS	Vertical	PK	
10	7308.1205	-11.21	55.69	44.48	68.20	23.72	PASS	Vertical	PK	
11	11000.6334	-5.82	56.04	50.22	68.20	17.98	PASS	Vertical	PK	
12	15556.4704	0.43	50.69	51.12	68.20	17.08	PASS	Vertical	PK	

Mode:			802.11 a (HT20)Transmitting				Channel:		5580	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	1280.5281	1.54	42.24	43.78	68.20	24.42	PASS	Horizontal	PK	
2	2295.3795	4.64	41.48	46.12	68.20	22.08	PASS	Horizontal	PK	
3	3949.3949	10.06	39.12	49.18	68.20	19.02	PASS	Horizontal	PK	
4	8735.7491	-9.75	53.08	43.33	68.20	24.87	PASS	Horizontal	PK	
5	11160.1107	-6.00	56.95	50.95	68.20	17.25	PASS	Horizontal	PK	
6	14966.0977	-0.94	50.11	49.17	68.20	19.03	PASS	Horizontal	PK	
7	1361.3861	1.75	42.52	44.27	68.20	23.93	PASS	Vertical	PK	
8	2377.8878	4.83	41.38	46.21	68.20	21.99	PASS	Vertical	PK	
9	3812.9813	9.42	39.46	48.88	68.20	19.32	PASS	Vertical	PK	
10	8426.7618	-10.64	54.22	43.58	68.20	24.62	PASS	Vertical	PK	
11	11160.1107	-6.00	56.46	50.46	68.20	17.74	PASS	Vertical	PK	
12	14986.7991	-0.95	50.66	49.71	68.20	18.49	PASS	Vertical	PK	

Mode:			802.11 a (HT20)Transmitting				Channel:		5700	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	1367.4367	1.76	42.36	44.12	68.20	24.08	PASS	Horizontal	PK	
2	2072.0572	5.48	41.18	46.66	68.20	21.54	PASS	Horizontal	PK	
3	3474.6975	8.32	39.20	47.52	68.20	20.68	PASS	Horizontal	PK	
4	8195.2130	-10.87	53.34	42.47	68.20	25.73	PASS	Horizontal	PK	
5	11400.0933	-6.23	58.17	51.94	68.20	16.26	PASS	Horizontal	PK	
6	14410.9941	0.48	49.77	50.25	68.20	17.95	PASS	Horizontal	PK	
7	1064.3564	1.18	43.79	44.97	68.20	23.23	PASS	Vertical	PK	
8	1993.9494	5.07	43.58	48.65	68.20	19.55	PASS	Vertical	PK	
9	3440.5941	8.24	39.49	47.73	68.20	20.47	PASS	Vertical	PK	
10	7565.7377	-10.79	55.11	44.32	68.20	23.88	PASS	Vertical	PK	
11	11400.0933	-6.23	61.32	55.09	68.20	13.11	PASS	Vertical	PK	
12	11400.8601	-6.23	53.35	47.12	54.00	6.88	PASS	Vertical	AV	
13	15007.5005	-0.88	50.86	49.98	68.20	18.22	PASS	Vertical	PK	

Mode:			802.11 n(HT40) Transmitting				Channel:		5510	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	1074.2574	1.17	47.65	48.82	68.20	19.38	PASS	Horizontal	PK	
2	2072.0572	5.48	40.76	46.24	68.20	21.96	PASS	Horizontal	PK	
3	3773.3773	9.07	39.33	48.40	68.20	19.80	PASS	Horizontal	PK	
4	8050.3034	-11.20	54.00	42.80	68.20	25.40	PASS	Horizontal	PK	
5	11251.3501	-6.16	53.49	47.33	68.20	20.87	PASS	Horizontal	PK	
6	14310.5540	-0.33	50.89	50.56	68.20	17.64	PASS	Horizontal	PK	
7	1658.4158	3.24	42.43	45.67	68.20	22.53	PASS	Vertical	PK	
8	2705.7206	6.17	40.77	46.94	68.20	21.26	PASS	Vertical	PK	
9	4431.7932	12.32	39.29	51.61	68.20	16.59	PASS	Vertical	PK	
10	8443.6296	-10.63	54.13	43.50	68.20	24.70	PASS	Vertical	PK	
11	11019.8013	-5.94	57.09	51.15	68.20	17.05	PASS	Vertical	PK	
12	15891.5261	0.00	51.87	51.87	68.20	16.33	PASS	Vertical	PK	

Mode:			802.11 n(HT40) Transmitting				Channel:		5550	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	1132.5633	1.12	42.77	43.89	68.20	24.31	PASS	Horizontal	PK	
2	1718.3718	3.64	41.07	44.71	68.20	23.49	PASS	Horizontal	PK	
3	2768.4268	6.38	41.07	47.45	68.20	20.75	PASS	Horizontal	PK	
4	4367.4367	12.16	38.29	50.45	68.20	17.75	PASS	Horizontal	PK	
5	8373.0915	-10.76	53.82	43.06	68.20	25.14	PASS	Horizontal	PK	
6	12481.1654	-4.22	52.90	48.68	68.20	19.52	PASS	Horizontal	PK	
7	1064.9065	1.18	48.05	49.23	68.20	18.97	PASS	Vertical	PK	
8	1996.1496	5.08	43.85	48.93	68.20	19.27	PASS	Vertical	PK	
9	3256.3256	8.13	41.21	49.34	68.20	18.86	PASS	Vertical	PK	
10	7558.0705	-10.84	54.81	43.97	68.20	24.23	PASS	Vertical	PK	
11	11100.3067	-6.42	56.67	50.25	68.20	17.95	PASS	Vertical	PK	
12	15557.2371	0.43	50.15	50.58	68.20	17.62	PASS	Vertical	PK	

Mode:			802.11 n(HT40) Transmitting				Channel:		5670	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	1073.7074	1.17	47.31	48.48	68.20	19.72	PASS	Horizontal	PK	
2	1909.2409	4.78	41.21	45.99	68.20	22.21	PASS	Horizontal	PK	
3	3174.3674	7.83	40.66	48.49	68.20	19.71	PASS	Horizontal	PK	
4	8173.7449	-10.88	53.45	42.57	68.20	25.63	PASS	Horizontal	PK	
5	11339.5226	-6.44	56.63	50.19	68.20	18.01	PASS	Horizontal	PK	
6	14555.9037	-0.77	50.44	49.67	68.20	18.53	PASS	Horizontal	PK	
7	1136.4136	1.12	42.67	43.79	68.20	24.41	PASS	Vertical	PK	
8	1685.9186	3.48	41.33	44.81	68.20	23.39	PASS	Vertical	PK	
9	2907.0407	7.07	41.35	48.42	68.20	19.78	PASS	Vertical	PK	
10	8364.6576	-10.79	54.08	43.29	68.20	24.91	PASS	Vertical	PK	
11	11340.2894	-6.43	59.66	53.23	68.20	14.97	PASS	Vertical	PK	
12	15482.0988	0.23	50.29	50.52	68.20	17.68	PASS	Vertical	PK	

Mode:			802.11 a (HT20)Transmitting				Channel:		5745	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	1137.5138	1.09	42.93	44.02	68.20	24.18	PASS	Horizontal	PK	
2	2011.0011	5.14	41.38	46.52	68.20	21.68	PASS	Horizontal	PK	
3	3804.7305	9.39	41.19	50.58	68.20	17.62	PASS	Horizontal	PK	
4	7693.7796	-11.15	53.81	42.66	68.20	25.54	PASS	Horizontal	PK	
5	11493.6329	-5.83	57.04	51.21	68.20	16.99	PASS	Horizontal	PK	
6	15495.1330	0.41	50.08	50.49	68.20	17.71	PASS	Horizontal	PK	
7	1133.6634	1.09	42.67	43.76	68.20	24.44	PASS	Vertical	PK	
8	1990.6491	5.05	43.64	48.69	68.20	19.51	PASS	Vertical	PK	
9	3951.5952	10.05	39.05	49.10	68.20	19.10	PASS	Vertical	PK	
10	7607.9072	-10.58	54.19	43.61	68.20	24.59	PASS	Vertical	PK	
11	11491.3328	-5.84	58.93	53.09	68.20	15.11	PASS	Vertical	PK	
12	15518.1345	0.46	50.45	50.91	68.20	17.29	PASS	Vertical	PK	

Mode:			802.11 a (HT20)Transmitting				Channel:		5785	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	1221.1221	1.20	43.26	44.46	68.20	23.74	PASS	Horizontal	PK	
2	2103.4103	5.59	41.69	47.28	68.20	20.92	PASS	Horizontal	PK	
3	3482.3982	8.33	39.60	47.93	68.20	20.27	PASS	Horizontal	PK	
4	7640.8761	-10.80	54.58	43.78	68.20	24.42	PASS	Horizontal	PK	
5	11574.9050	-6.31	58.70	52.39	68.20	15.81	PASS	Horizontal	PK	
6	15116.3744	0.27	49.22	49.49	68.20	18.71	PASS	Horizontal	PK	
7	1043.4543	1.20	45.23	46.43	68.20	21.77	PASS	Vertical	PK	
8	2395.4895	4.85	43.69	48.54	68.20	19.66	PASS	Vertical	PK	
9	3959.8460	10.11	39.09	49.20	68.20	19.00	PASS	Vertical	PK	
10	7396.2931	-11.48	54.42	42.94	68.20	25.26	PASS	Vertical	PK	
11	11571.0714	-6.28	59.58	53.30	68.20	14.90	PASS	Vertical	PK	
12	15900.7267	0.13	51.97	52.10	68.20	16.10	PASS	Vertical	PK	

Mode:			802.11 a (HT20)Transmitting				Channel:		5825	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	1077.5578	1.13	44.72	45.85	68.20	22.35	PASS	Horizontal	PK	
2	2154.0154	4.95	41.22	46.17	68.20	22.03	PASS	Horizontal	PK	
3	3503.3003	8.35	39.35	47.70	68.20	20.50	PASS	Horizontal	PK	
4	7571.8715	-10.74	54.19	43.45	68.20	24.75	PASS	Horizontal	PK	
5	11650.8101	-6.12	52.31	46.19	54.00	7.81	PASS	Horizontal	AV	
6	11652.3435	-6.11	65.12	59.01	68.20	9.19	PASS	Horizontal	PK	
7	15955.9304	-0.07	51.94	51.87	68.20	16.33	PASS	Horizontal	PK	
8	1053.3553	1.18	45.01	46.19	68.20	22.01	PASS	Vertical	PK	
9	2664.4664	5.97	41.53	47.50	68.20	20.70	PASS	Vertical	PK	
10	4517.6018	12.24	38.25	50.49	68.20	17.71	PASS	Vertical	PK	
11	7981.2988	-11.44	55.16	43.72	68.20	24.48	PASS	Vertical	PK	
12	11650.0433	-6.13	61.76	55.63	68.20	12.57	PASS	Vertical	PK	
13	11650.8101	-6.12	52.23	46.11	54.00	7.89	PASS	Vertical	AV	
14	15484.3990	0.26	50.45	50.71	68.20	17.49	PASS	Vertical	PK	

Mode:			802.11 n(HT40) Transmitting				Channel:		5755	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	1255.2255	1.39	41.96	43.35	68.20	24.85	PASS	Horizontal	PK	
2	2035.2035	5.27	41.78	47.05	68.20	21.15	PASS	Horizontal	PK	
3	3462.5963	8.29	39.67	47.96	68.20	20.24	PASS	Horizontal	PK	
4	7401.6601	-11.49	54.68	43.19	68.20	25.01	PASS	Horizontal	PK	
5	11488.2659	-5.85	56.39	50.54	68.20	17.66	PASS	Horizontal	PK	
6	14838.8226	-0.44	48.84	48.40	68.20	19.80	PASS	Horizontal	PK	
7	1123.7624	1.09	41.86	42.95	68.20	25.25	PASS	Vertical	PK	
8	2284.3784	4.57	40.66	45.23	68.20	22.97	PASS	Vertical	PK	
9	4632.5633	12.65	38.15	50.80	68.20	17.40	PASS	Vertical	PK	
10	7985.1323	-11.45	53.92	42.47	68.20	25.73	PASS	Vertical	PK	
11	11484.4323	-5.87	57.80	51.93	68.20	16.27	PASS	Vertical	PK	
12	15550.3367	0.43	50.77	51.20	68.20	17.00	PASS	Vertical	PK	

Mode:			802.11 n(HT40) Transmitting				Channel:		5795	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	1331.1331	1.70	42.95	44.65	68.20	23.55	PASS	Horizontal	PK	
2	2226.6227	4.43	41.05	45.48	68.20	22.72	PASS	Horizontal	PK	
3	3986.2486	10.29	39.39	49.68	68.20	18.52	PASS	Horizontal	PK	
4	7869.3580	-11.27	53.38	42.11	68.20	26.09	PASS	Horizontal	PK	
5	11568.0045	-6.26	58.61	52.35	68.20	15.85	PASS	Horizontal	PK	
6	14959.9640	-0.93	51.07	50.14	68.20	18.06	PASS	Horizontal	PK	
7	1331.6832	1.70	43.72	45.42	68.20	22.78	PASS	Vertical	PK	
8	2293.1793	4.59	41.44	46.03	68.20	22.17	PASS	Vertical	PK	
9	3807.4807	9.39	39.59	48.98	68.20	19.22	PASS	Vertical	PK	
10	7208.4472	-11.75	54.95	43.20	68.20	25.00	PASS	Vertical	PK	
11	11573.3716	-6.30	58.90	52.60	68.20	15.60	PASS	Vertical	PK	
12	15910.6940	0.09	51.45	51.54	68.20	16.66	PASS	Vertical	PK	

Appendix L) Unwanted Emissions that fall Outside of the Restricted Bands

Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	Above 1GHz	Peak	1MHz	3MHz	Peak
Test Procedure:					
<p>a) The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>b) The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</p> <p>c) The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</p> <p>d) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>e) The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>f) Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel</p> <p>j) Test the EUT in the lowest channel or/and the middle channel ,the Highest channel</p> <p>h) The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.</p> <p>i) Repeat above procedures until all frequencies measured was complete.</p>					
Limit:	Transmitter Operation Frequency(MHz)	Limit (EIRP)	Limit (dBμV/m)@3m	Measurement distance (cm)	
	5150-5350	-27dBm/MHz	68.2dBuV/m	3	
	5470-5725	-27dBm/MHz	68.2dBuV/m	3	
<p>Note:</p> <p>(i) $EIRP = (E \cdot d)^2 / 30$ where: • E is the field strength in V/m; • d is the measurement distance in meters; • EIRP is the equivalent isotropically radiated power in watts.</p> <p>(ii) Working in dB units, the above equation is equivalent to: $EIRP[dBm] = E[dB\mu V/m] + 20 \log(d[meters]) - 104.77$</p> <p>(iii) Or, if d is 3 meters: $EIRP[dBm] = E[dB\mu V/m] - 95.2$</p>					
Test result:	PASS				

Test Data:

For the all emission,out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit. Refer to test item“Unwanted Emissions in the Restricted Bands (Radiated Emission)” test result.

Radiated Emission above 68.2GHz:

During the test, the Radiates Emission was performed in all modes with all channels, The test data of the worst-case condition was recorded in this report.

Mode:			802.11 a(HT20) Transmitting				Channel:		5180	
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
1	18745.3898	-25.09	70.12	45.03	74.00	28.97	PASS	Horizontal	PK	
2	21777.1111	-24.73	69.18	44.45	74.00	29.55	PASS	Horizontal	PK	
3	23885.6754	-20.70	66.78	46.08	74.00	27.92	PASS	Horizontal	PK	
4	26727.3091	-19.71	66.36	46.65	74.00	27.35	PASS	Horizontal	PK	
5	31006.9203	-17.37	64.66	47.29	74.00	26.71	PASS	Horizontal	PK	
6	36500.9800	-14.57	61.94	47.37	74.00	26.63	PASS	Horizontal	PK	
7	19469.6588	-23.94	69.84	45.90	74.00	28.10	PASS	Vertical	PK	
8	22299.8520	-24.56	67.95	43.39	74.00	30.61	PASS	Vertical	PK	
9	25988.0795	-19.09	65.94	46.85	74.00	27.15	PASS	Vertical	PK	
10	29229.2492	-20.24	66.86	46.62	74.00	27.38	PASS	Vertical	PK	
11	33949.7580	-16.13	63.56	47.43	74.00	26.57	PASS	Vertical	PK	
12	38074.4830	-13.57	60.00	46.43	74.00	27.57	PASS	Vertical	PK	

Mode:			802.11 a(HT20) Transmitting				Channel:		5200	
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
1	19937.8375	-23.23	67.91	44.68	74.00	29.32	PASS	Horizontal	PK	
2	24284.3314	-20.45	65.92	45.47	74.00	28.53	PASS	Horizontal	PK	
3	27419.0168	-20.39	66.95	46.56	74.00	27.44	PASS	Horizontal	PK	
4	31076.4431	-17.55	64.58	47.03	74.00	26.97	PASS	Horizontal	PK	
5	34453.1381	-15.64	62.42	46.78	74.00	27.22	PASS	Horizontal	PK	
6	38696.6679	-11.84	60.68	48.84	74.00	25.16	PASS	Horizontal	PK	
7	19441.4977	-23.94	69.19	45.25	74.00	28.75	PASS	Vertical	PK	
8	21536.8615	-24.84	69.37	44.53	74.00	29.47	PASS	Vertical	PK	
9	23924.3970	-20.59	67.17	46.58	74.00	27.42	PASS	Vertical	PK	
10	27914.4766	-20.35	66.53	46.18	74.00	27.82	PASS	Vertical	PK	
11	31087.8835	-17.58	65.42	47.84	74.00	26.16	PASS	Vertical	PK	
12	36618.0247	-14.26	60.96	46.70	74.00	27.30	PASS	Vertical	PK	

Mode:			802.11 a(HT20) Transmitting				Channel:		5240	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	18799.0720	-24.89	69.41	44.52	74.00	29.48	PASS	Horizontal	PK	
2	21450.6180	-24.85	68.99	44.14	74.00	29.86	PASS	Horizontal	PK	
3	25619.3448	-18.73	65.66	46.93	74.00	27.07	PASS	Horizontal	PK	
4	29145.6458	-20.24	66.60	46.36	74.00	27.64	PASS	Horizontal	PK	
5	33625.0250	-15.47	62.75	47.28	74.00	26.72	PASS	Horizontal	PK	
6	38980.9192	-10.80	59.00	48.20	74.00	25.80	PASS	Horizontal	PK	
7	18549.1420	-25.73	70.12	44.39	74.00	29.61	PASS	Vertical	PK	
8	21244.6898	-24.68	68.64	43.96	74.00	30.04	PASS	Vertical	PK	
9	24353.8542	-20.07	66.59	46.52	74.00	27.48	PASS	Vertical	PK	
10	29574.2230	-19.37	66.23	46.86	74.00	27.14	PASS	Vertical	PK	
11	33581.0232	-15.46	62.76	47.30	74.00	26.70	PASS	Vertical	PK	
12	36477.2191	-14.67	61.45	46.78	74.00	27.22	PASS	Vertical	PK	

Mode:			802.11 n(HT40) Transmitting				Channel:		5190	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	20097.1239	-23.52	68.77	45.25	74.00	28.75	PASS	Horizontal	PK	
2	23687.6675	-21.46	66.76	45.30	74.00	28.70	PASS	Horizontal	PK	
3	27854.6342	-20.25	67.87	47.62	74.00	26.38	PASS	Horizontal	PK	
4	31452.2181	-17.34	64.46	47.12	74.00	26.88	PASS	Horizontal	PK	
5	34338.7335	-15.88	62.17	46.29	74.00	27.71	PASS	Horizontal	PK	
6	37578.1431	-13.77	60.13	46.36	74.00	27.64	PASS	Horizontal	PK	
7	20048.7219	-23.28	68.51	45.23	74.00	28.77	PASS	Vertical	PK	
8	23717.5887	-21.32	66.66	45.34	74.00	28.66	PASS	Vertical	PK	
9	26603.2241	-19.42	66.31	46.89	74.00	27.11	PASS	Vertical	PK	
10	30424.3370	-18.69	65.08	46.39	74.00	27.61	PASS	Vertical	PK	
11	33607.4243	-15.41	62.42	47.01	74.00	26.99	PASS	Vertical	PK	
12	37447.0179	-14.38	61.11	46.73	74.00	27.27	PASS	Vertical	PK	

Mode:			802.11 n(HT40) Transmitting				Channel:		5230	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	20139.3656	-23.72	68.94	45.22	74.00	28.78	PASS	Horizontal	PK	
2	21660.9464	-24.79	68.60	43.81	74.00	30.19	PASS	Horizontal	PK	
3	25030.6012	-19.68	65.87	46.19	74.00	27.81	PASS	Horizontal	PK	
4	29089.3236	-20.20	66.21	46.01	74.00	27.99	PASS	Horizontal	PK	
5	31196.1278	-17.87	64.39	46.52	74.00	27.48	PASS	Horizontal	PK	
6	36148.0859	-15.00	61.47	46.47	74.00	27.53	PASS	Horizontal	PK	
7	19896.4759	-23.35	68.39	45.04	74.00	28.96	PASS	Vertical	PK	
8	24141.7657	-20.76	66.55	45.79	74.00	28.21	PASS	Vertical	PK	
9	27805.3522	-20.17	67.12	46.95	74.00	27.05	PASS	Vertical	PK	
10	31081.7233	-17.57	64.67	47.10	74.00	26.90	PASS	Vertical	PK	
11	33577.5031	-15.47	62.66	47.19	74.00	26.81	PASS	Vertical	PK	
12	37591.3437	-13.71	60.54	46.83	74.00	27.17	PASS	Vertical	PK	

Mode:			802.11 a(HT20) Transmitting				Channel:		5260	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	19005.0002	-24.51	69.28	44.77	74.00	29.23	PASS	Horizontal	PK	
2	21035.2414	-24.75	75.67	50.92	74.00	23.08	PASS	Horizontal	PK	
3	23968.3987	-20.46	65.46	45.00	74.00	29.00	PASS	Horizontal	PK	
4	26293.4517	-19.52	67.10	47.58	74.00	26.42	PASS	Horizontal	PK	
5	30893.3957	-17.57	64.44	46.87	74.00	27.13	PASS	Horizontal	PK	
6	34644.9858	-15.09	61.61	46.52	74.00	27.48	PASS	Horizontal	PK	
7	20892.6757	-24.55	68.13	43.58	74.00	30.42	PASS	Vertical	PK	
8	24076.6431	-20.58	65.86	45.28	74.00	28.72	PASS	Vertical	PK	
9	26882.1953	-20.02	66.44	46.42	74.00	27.58	PASS	Vertical	PK	
10	29746.7099	-19.50	65.76	46.26	74.00	27.74	PASS	Vertical	PK	
11	32583.9434	-16.39	62.84	46.45	74.00	27.55	PASS	Vertical	PK	
12	36503.6201	-14.55	60.99	46.44	74.00	27.56	PASS	Vertical	PK	

Mode:			802.11 a(HT20) Transmitting				Channel:		5280	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	21119.7248	-24.69	75.25	50.56	74.00	23.44	PASS	Horizontal	PK	
2	24360.0144	-20.04	65.69	45.65	74.00	28.35	PASS	Horizontal	PK	
3	26405.2162	-19.44	67.44	48.00	74.00	26.00	PASS	Horizontal	PK	
4	30455.1382	-18.71	64.89	46.18	74.00	27.82	PASS	Horizontal	PK	
5	33620.6248	-15.45	62.89	47.44	74.00	26.56	PASS	Horizontal	PK	
6	36647.0659	-14.44	60.40	45.96	74.00	28.04	PASS	Horizontal	PK	
7	21120.6048	-24.69	72.82	48.13	74.00	25.87	PASS	Vertical	PK	
8	23800.3120	-20.95	66.62	45.67	74.00	28.33	PASS	Vertical	PK	
9	26067.2827	-19.27	65.47	46.20	74.00	27.80	PASS	Vertical	PK	
10	28746.9899	-20.56	66.99	46.43	74.00	27.57	PASS	Vertical	PK	
11	33015.1606	-16.50	62.46	45.96	74.00	28.04	PASS	Vertical	PK	
12	35840.9536	-15.09	61.25	46.16	74.00	27.84	PASS	Vertical	PK	

Mode:			802.11 a(HT20) Transmitting				Channel:		5320	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	18942.5177	-24.62	68.92	44.30	74.00	29.70	PASS	Horizontal	PK	
2	21279.8912	-24.72	73.35	48.63	74.00	25.37	PASS	Horizontal	PK	
3	25204.8482	-18.84	65.74	46.90	74.00	27.10	PASS	Horizontal	PK	
4	28194.3278	-20.50	67.20	46.70	74.00	27.30	PASS	Horizontal	PK	
5	32332.2533	-15.84	63.38	47.54	74.00	26.46	PASS	Horizontal	PK	
6	36553.7822	-14.34	61.36	47.02	74.00	26.98	PASS	Horizontal	PK	
7	18813.1525	-24.86	69.80	44.94	74.00	29.06	PASS	Vertical	PK	
8	21265.8106	-24.71	73.59	48.88	74.00	25.12	PASS	Vertical	PK	
9	23944.6378	-20.53	66.71	46.18	74.00	27.82	PASS	Vertical	PK	
10	27956.7183	-20.42	66.87	46.45	74.00	27.55	PASS	Vertical	PK	
11	31760.2304	-17.23	63.49	46.26	74.00	27.74	PASS	Vertical	PK	
12	35913.9966	-15.19	61.67	46.48	74.00	27.52	PASS	Vertical	PK	

Mode:			802.11 n(HT40) Transmitting				Channel:		5270	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	19181.8873	-24.35	68.57	44.22	74.00	29.78	PASS	Horizontal	PK	
2	21072.2029	-24.73	71.93	47.20	74.00	26.80	PASS	Horizontal	PK	
3	24487.6195	-19.83	65.49	45.66	74.00	28.34	PASS	Horizontal	PK	
4	27609.9844	-20.47	66.84	46.37	74.00	27.63	PASS	Horizontal	PK	
5	31080.8432	-17.57	64.43	46.86	74.00	27.14	PASS	Horizontal	PK	
6	34974.9990	-15.39	62.57	47.18	74.00	26.82	PASS	Horizontal	PK	
7	19431.8173	-23.94	68.82	44.88	74.00	29.12	PASS	Vertical	PK	
8	21080.1232	-24.72	74.89	50.17	74.00	23.83	PASS	Vertical	PK	
9	24375.8550	-19.95	66.48	46.53	74.00	27.47	PASS	Vertical	PK	
10	28189.9276	-20.50	66.88	46.38	74.00	27.62	PASS	Vertical	PK	
11	31432.8573	-17.36	65.43	48.07	74.00	25.93	PASS	Vertical	PK	
12	35532.9413	-14.75	62.23	47.48	74.00	26.52	PASS	Vertical	PK	

Mode:			802.11 n(HT40) Transmitting				Channel:		5310	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	18994.4398	-24.52	69.11	44.59	74.00	29.41	PASS	Horizontal	PK	
2	21240.2896	-24.68	72.35	47.67	74.00	26.33	PASS	Horizontal	PK	
3	24682.9873	-19.83	65.15	45.32	74.00	28.68	PASS	Horizontal	PK	
4	26944.6778	-20.11	67.10	46.99	74.00	27.01	PASS	Horizontal	PK	
5	30987.5595	-17.38	63.96	46.58	74.00	27.42	PASS	Horizontal	PK	
6	34709.2284	-15.28	61.90	46.62	74.00	27.38	PASS	Horizontal	PK	
7	18882.6753	-24.73	70.16	45.43	74.00	28.57	PASS	Vertical	PK	
8	21235.0094	-24.67	71.65	46.98	74.00	27.02	PASS	Vertical	PK	
9	24851.9541	-19.81	65.59	45.78	74.00	28.22	PASS	Vertical	PK	
10	27816.7927	-20.19	66.25	46.06	74.00	27.94	PASS	Vertical	PK	
11	30997.2399	-17.36	63.98	46.62	74.00	27.38	PASS	Vertical	PK	
12	35550.5420	-14.73	61.04	46.31	74.00	27.69	PASS	Vertical	PK	

Mode:			802.11 a(HT20) Transmitting				Channel:		5500	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	20016.1606	-23.13	67.83	44.70	74.00	29.30	PASS	Horizontal	PK	
2	22005.0402	-25.09	76.32	51.23	74.00	22.77	PASS	Horizontal	PK	
3	25177.5671	-18.94	65.57	46.63	74.00	27.37	PASS	Horizontal	PK	
4	27504.3802	-20.43	67.98	47.55	74.00	26.45	PASS	Horizontal	PK	
5	30808.0323	-17.74	64.23	46.49	74.00	27.51	PASS	Horizontal	PK	
6	33632.0653	-15.49	62.38	46.89	74.00	27.11	PASS	Horizontal	PK	
7	19944.8778	-23.21	67.80	44.59	74.00	29.41	PASS	Vertical	PK	
8	22001.5201	-25.10	76.72	51.62	74.00	22.38	PASS	Vertical	PK	
9	25711.7485	-18.82	66.07	47.25	74.00	26.75	PASS	Vertical	PK	
10	27859.9144	-20.26	66.32	46.06	74.00	27.94	PASS	Vertical	PK	
11	32401.7761	-15.45	64.13	48.68	74.00	25.32	PASS	Vertical	PK	
12	36199.1280	-14.90	61.72	46.82	74.00	27.18	PASS	Vertical	PK	

Mode:			802.11 a(HT20) Transmitting				Channel:		5580	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	19696.7079	-23.79	69.26	45.47	74.00	28.53	PASS	Horizontal	PK	
2	22317.4527	-24.54	70.63	46.09	74.00	27.91	PASS	Horizontal	PK	
3	25543.6617	-18.88	65.27	46.39	74.00	27.61	PASS	Horizontal	PK	
4	27895.9958	-20.32	68.38	48.06	74.00	25.94	PASS	Horizontal	PK	
5	30992.8397	-17.36	64.12	46.76	74.00	27.24	PASS	Horizontal	PK	
6	35230.2092	-14.90	61.20	46.30	74.00	27.70	PASS	Horizontal	PK	
7	19959.8384	-23.16	68.17	45.01	74.00	28.99	PASS	Vertical	PK	
8	22332.4133	-24.51	72.37	47.86	74.00	26.14	PASS	Vertical	PK	
9	25599.1040	-18.71	65.91	47.20	74.00	26.80	PASS	Vertical	PK	
10	28925.6370	-20.25	66.60	46.35	74.00	27.65	PASS	Vertical	PK	
11	32410.5764	-15.50	62.57	47.07	74.00	26.93	PASS	Vertical	PK	
12	35626.2250	-14.73	61.22	46.49	74.00	27.51	PASS	Vertical	PK	

Mode:			802.11 a(HT20) Transmitting				Channel:		5700	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	19358.7744	-24.02	68.34	44.32	74.00	29.68	PASS	Horizontal	PK	
2	22793.5517	-24.39	76.60	52.21	74.00	21.79	PASS	Horizontal	PK	
3	25686.2274	-18.80	65.12	46.32	74.00	27.68	PASS	Horizontal	PK	
4	29326.0530	-20.13	66.18	46.05	74.00	27.95	PASS	Horizontal	PK	
5	32413.2165	-15.51	62.64	47.13	74.00	26.87	PASS	Horizontal	PK	
6	36242.2497	-14.92	60.93	46.01	74.00	27.99	PASS	Horizontal	PK	
7	19313.0125	-24.11	68.54	44.43	74.00	29.57	PASS	Vertical	PK	
8	21109.1644	-24.70	68.79	44.09	74.00	29.91	PASS	Vertical	PK	
9	22797.9519	-24.40	77.35	52.95	74.00	21.05	PASS	Vertical	PK	
10	26615.5446	-19.45	66.84	47.39	74.00	26.61	PASS	Vertical	PK	
11	29624.3850	-19.31	65.84	46.53	74.00	27.47	PASS	Vertical	PK	
12	33625.9050	-15.47	62.42	46.95	74.00	27.05	PASS	Vertical	PK	

Mode:			802.11 n(HT40) Transmitting				Channel:		5510	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	20071.6029	-23.39	68.77	45.38	74.00	28.62	PASS	Horizontal	PK	
2	22040.2416	-25.02	75.25	50.23	74.00	23.77	PASS	Horizontal	PK	
3	25376.4551	-19.27	65.63	46.36	74.00	27.64	PASS	Horizontal	PK	
4	29204.6082	-20.26	66.55	46.29	74.00	27.71	PASS	Horizontal	PK	
5	33827.4331	-16.01	63.67	47.66	74.00	26.34	PASS	Horizontal	PK	
6	38719.5488	-11.72	59.37	47.65	74.00	26.35	PASS	Horizontal	PK	
7	19902.6361	-23.33	68.00	44.67	74.00	29.33	PASS	Vertical	PK	
8	22039.3616	-25.02	73.78	48.76	74.00	25.24	PASS	Vertical	PK	
9	25958.1583	-19.06	65.96	46.90	74.00	27.10	PASS	Vertical	PK	
10	28802.4321	-20.41	67.23	46.82	74.00	27.18	PASS	Vertical	PK	
11	33852.0741	-16.04	62.90	46.86	74.00	27.14	PASS	Vertical	PK	
12	36164.8066	-14.97	62.48	47.51	74.00	26.49	PASS	Vertical	PK	

Mode:			802.11 n(HT40) Transmitting				Channel:		5550	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	19386.9355	-23.96	68.31	44.35	74.00	29.65	PASS	Horizontal	PK	
2	22200.4080	-24.70	76.89	52.19	74.00	21.81	PASS	Horizontal	PK	
3	25981.0392	-19.08	65.79	46.71	74.00	27.29	PASS	Horizontal	PK	
4	29734.3894	-19.49	65.82	46.33	74.00	27.67	PASS	Horizontal	PK	
5	33602.1441	-15.40	62.57	47.17	74.00	26.83	PASS	Horizontal	PK	
6	36571.3829	-14.27	61.52	47.25	74.00	26.75	PASS	Horizontal	PK	
7	19688.7876	-23.80	68.22	44.42	74.00	29.58	PASS	Vertical	PK	
8	22219.7688	-24.68	76.72	52.04	74.00	21.96	PASS	Vertical	PK	
9	25699.4280	-18.81	65.46	46.65	74.00	27.35	PASS	Vertical	PK	
10	29553.1021	-19.45	65.48	46.03	74.00	27.97	PASS	Vertical	PK	
11	33630.3052	-15.48	62.63	47.15	74.00	26.85	PASS	Vertical	PK	
12	37615.9846	-13.71	60.45	46.74	74.00	27.26	PASS	Vertical	PK	

Mode:			802.11 n(HT40) Transmitting				Channel:		5670	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	20438.5775	-24.18	69.14	44.96	74.00	29.04	PASS	Horizontal	PK	
2	22680.0272	-24.36	76.51	52.15	74.00	21.85	PASS	Horizontal	PK	
3	24704.1082	-19.83	65.03	45.20	74.00	28.80	PASS	Horizontal	PK	
4	29220.4488	-20.25	66.53	46.28	74.00	27.72	PASS	Horizontal	PK	
5	32640.2656	-16.45	63.55	47.10	74.00	26.90	PASS	Horizontal	PK	
6	36176.2471	-14.95	62.24	47.29	74.00	26.71	PASS	Horizontal	PK	
7	20419.2168	-24.11	67.72	43.61	74.00	30.39	PASS	Vertical	PK	
8	22692.3477	-24.36	74.25	49.89	74.00	24.11	PASS	Vertical	PK	
9	25275.2510	-19.02	65.71	46.69	74.00	27.31	PASS	Vertical	PK	
10	28207.5283	-20.51	66.42	45.91	74.00	28.09	PASS	Vertical	PK	
11	31688.0675	-17.19	63.61	46.42	74.00	27.58	PASS	Vertical	PK	
12	34715.3886	-15.30	62.22	46.92	74.00	27.08	PASS	Vertical	PK	

Mode:			802.11 a(HT20) Transmitting				Channel:		5745	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	20817.8727	-24.40	70.09	45.69	74.00	28.31	PASS	Horizontal	PK	
2	22986.2795	-25.00	76.05	51.05	74.00	22.95	PASS	Horizontal	PK	
3	25739.0296	-18.85	66.42	47.57	74.00	26.43	PASS	Horizontal	PK	
4	27930.3172	-20.38	67.21	46.83	74.00	27.17	PASS	Horizontal	PK	
5	31519.1008	-17.25	63.66	46.41	74.00	27.59	PASS	Horizontal	PK	
6	35378.9352	-14.87	61.27	46.40	74.00	27.60	PASS	Horizontal	PK	
7	20359.3744	-24.04	68.66	44.62	74.00	29.38	PASS	Vertical	PK	
8	22975.7190	-24.96	74.51	49.55	74.00	24.45	PASS	Vertical	PK	
9	25959.9184	-19.06	65.37	46.31	74.00	27.69	PASS	Vertical	PK	
10	29158.8464	-20.25	66.33	46.08	74.00	27.92	PASS	Vertical	PK	
11	33111.0844	-16.29	63.14	46.85	74.00	27.15	PASS	Vertical	PK	
12	36460.4984	-14.74	61.67	46.93	74.00	27.07	PASS	Vertical	PK	

Mode:			802.11 a(HT20) Transmitting				Channel:		5745	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	20817.8727	-24.40	70.09	45.69	74.00	28.31	PASS	Horizontal	PK	
2	22986.2795	-25.00	76.05	51.05	74.00	22.95	PASS	Horizontal	PK	
3	25739.0296	-18.85	66.42	47.57	74.00	26.43	PASS	Horizontal	PK	
4	27930.3172	-20.38	67.21	46.83	74.00	27.17	PASS	Horizontal	PK	
5	31519.1008	-17.25	63.66	46.41	74.00	27.59	PASS	Horizontal	PK	
6	35378.9352	-14.87	61.27	46.40	74.00	27.60	PASS	Horizontal	PK	
7	20359.3744	-24.04	68.66	44.62	74.00	29.38	PASS	Vertical	PK	
8	22975.7190	-24.96	74.51	49.55	74.00	24.45	PASS	Vertical	PK	
9	25959.9184	-19.06	65.37	46.31	74.00	27.69	PASS	Vertical	PK	
10	29158.8464	-20.25	66.33	46.08	74.00	27.92	PASS	Vertical	PK	
11	33111.0844	-16.29	63.14	46.85	74.00	27.15	PASS	Vertical	PK	
12	36460.4984	-14.74	61.67	46.93	74.00	27.07	PASS	Vertical	PK	

Mode:			802.11 a(HT20) Transmitting				Channel:		5785	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	20024.0810	-23.17	68.10	44.93	74.00	29.07	PASS	Horizontal	PK	
2	21186.6075	-24.64	70.32	45.68	74.00	28.32	PASS	Horizontal	PK	
3	23131.4853	-23.99	77.19	53.20	74.00	20.80	PASS	Horizontal	PK	
4	27243.0097	-20.45	66.93	46.48	74.00	27.52	PASS	Horizontal	PK	
5	31051.8021	-17.49	64.31	46.82	74.00	27.18	PASS	Horizontal	PK	
6	34773.4709	-15.47	63.13	47.66	74.00	26.34	PASS	Horizontal	PK	
7	20479.9392	-24.31	68.78	44.47	74.00	29.53	PASS	Vertical	PK	
8	23147.3259	-23.86	75.97	52.11	74.00	21.89	PASS	Vertical	PK	
9	25497.0199	-19.03	66.66	47.63	74.00	26.37	PASS	Vertical	PK	
10	28410.8164	-20.63	66.25	45.62	74.00	28.38	PASS	Vertical	PK	
11	31463.6585	-17.32	64.79	47.47	74.00	26.53	PASS	Vertical	PK	
12	34776.9911	-15.48	62.07	46.59	74.00	27.41	PASS	Vertical	PK	

Mode:			802.11 a(HT20) Transmitting				Channel:		5825	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	20096.2439	-23.51	68.45	44.94	74.00	29.06	PASS	Horizontal	PK	
2	23292.5317	-23.03	74.59	51.56	74.00	22.44	PASS	Horizontal	PK	
3	27189.3276	-20.45	66.24	45.79	74.00	28.21	PASS	Horizontal	PK	
4	31388.8556	-17.43	63.26	45.83	74.00	28.17	PASS	Horizontal	PK	
5	35265.4106	-14.89	61.36	46.47	74.00	27.53	PASS	Horizontal	PK	
6	39005.5602	-10.74	58.88	48.14	74.00	25.86	PASS	Horizontal	PK	
7	20833.7133	-24.43	69.05	44.62	74.00	29.38	PASS	Vertical	PK	
8	23289.8916	-23.04	76.43	53.39	74.00	20.61	PASS	Vertical	PK	
9	26401.6961	-19.44	66.34	46.90	74.00	27.10	PASS	Vertical	PK	
10	30073.2029	-19.68	66.03	46.35	74.00	27.65	PASS	Vertical	PK	
11	34373.0549	-15.88	62.97	47.09	74.00	26.91	PASS	Vertical	PK	
12	37452.2981	-14.36	60.42	46.06	74.00	27.94	PASS	Vertical	PK	

Mode:			802.11 n(HT40) Transmitting				Channel:		5755	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	20376.9751	-24.05	69.71	45.66	74.00	28.34	PASS	Horizontal	PK	
2	23023.2409	-24.85	77.23	52.38	74.00	21.62	PASS	Horizontal	PK	
3	25952.8781	-19.06	65.81	46.75	74.00	27.25	PASS	Horizontal	PK	
4	29207.2483	-20.26	66.79	46.53	74.00	27.47	PASS	Horizontal	PK	
5	32365.6946	-15.64	64.42	48.78	74.00	25.22	PASS	Horizontal	PK	
6	36262.4905	-14.93	61.24	46.31	74.00	27.69	PASS	Horizontal	PK	
7	20025.8410	-23.17	68.19	45.02	74.00	28.98	PASS	Vertical	PK	
8	22988.9196	-25.00	74.62	49.62	74.00	24.38	PASS	Vertical	PK	
9	26393.7758	-19.44	65.75	46.31	74.00	27.69	PASS	Vertical	PK	
10	29695.6678	-19.42	65.62	46.20	74.00	27.80	PASS	Vertical	PK	
11	33632.0653	-15.49	62.33	46.84	74.00	27.16	PASS	Vertical	PK	
12	37536.7815	-13.96	60.31	46.35	74.00	27.65	PASS	Vertical	PK	

Mode:			802.11 n(HT40) Transmitting				Channel:		5795	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	19841.0336	-23.50	69.11	45.61	74.00	28.39	PASS	Horizontal	PK	
2	23164.0466	-23.73	75.11	51.38	74.00	22.62	PASS	Horizontal	PK	
3	25321.0128	-19.14	65.63	46.49	74.00	27.51	PASS	Horizontal	PK	
4	28275.2910	-20.54	67.05	46.51	74.00	27.49	PASS	Horizontal	PK	
5	32117.5247	-17.08	63.35	46.27	74.00	27.73	PASS	Horizontal	PK	
6	34751.4701	-15.40	61.40	46.00	74.00	28.00	PASS	Horizontal	PK	
7	20464.0986	-24.26	67.96	43.70	74.00	30.30	PASS	Vertical	PK	
8	23179.8872	-23.60	75.05	51.45	74.00	22.55	PASS	Vertical	PK	
9	26639.3056	-19.51	66.27	46.76	74.00	27.24	PASS	Vertical	PK	
10	30517.6207	-18.76	65.80	47.04	74.00	26.96	PASS	Vertical	PK	
11	34558.7424	-15.15	62.54	47.39	74.00	26.61	PASS	Vertical	PK	
12	37613.3445	-13.70	60.97	47.27	74.00	26.73	PASS	Vertical	PK	

Mode:		802.11 ac(VHT80) Transmitting					Channel:		5210	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark	
1	20088.3235	-23.47	67.87	44.40	74.00	29.60	PASS	Horizontal	PK	
2	23489.6596	-22.24	65.45	43.21	74.00	30.79	PASS	Horizontal	PK	
3	25604.3842	-18.71	64.02	45.31	74.00	28.69	PASS	Horizontal	PK	
4	28777.7911	-20.48	64.48	44.00	74.00	30.00	PASS	Horizontal	PK	
5	32391.2156	-15.49	61.61	46.12	74.00	27.88	PASS	Horizontal	PK	
6	36347.8539	-14.97	59.26	44.29	74.00	29.71	PASS	Horizontal	PK	
7	20428.0171	-24.14	69.14	45.00	74.00	29.00	PASS	Vertical	PK	
8	23744.8698	-21.20	65.99	44.79	74.00	29.21	PASS	Vertical	PK	
9	26444.8178	-19.43	65.55	46.12	74.00	27.88	PASS	Vertical	PK	
10	29235.4094	-20.23	64.96	44.73	74.00	29.27	PASS	Vertical	PK	
11	32717.7087	-16.41	62.43	46.02	74.00	27.98	PASS	Vertical	PK	
12	35482.7793	-14.79	58.93	44.14	74.00	29.86	PASS	Vertical	PK	

Note:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

2) Scan from 1GHz to 25GHz, the disturbance above 13GHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.