

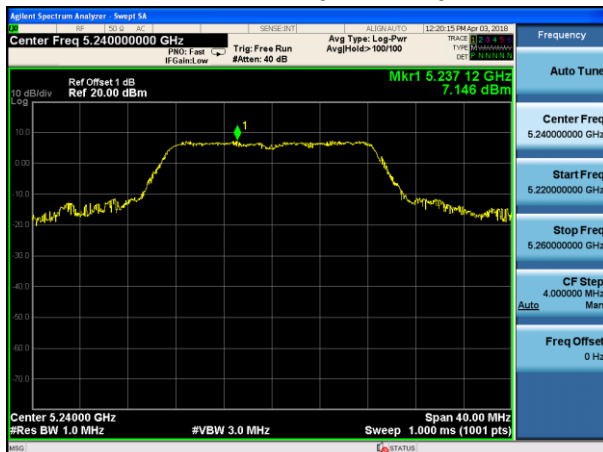
802.11ac(HT20) mode



Channel 36 (5180MHz)

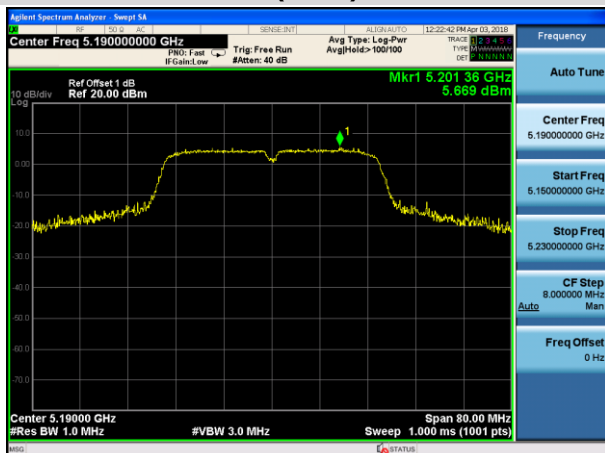


Channel 40 (5200MHz)



Channel 48 (5240MHz)

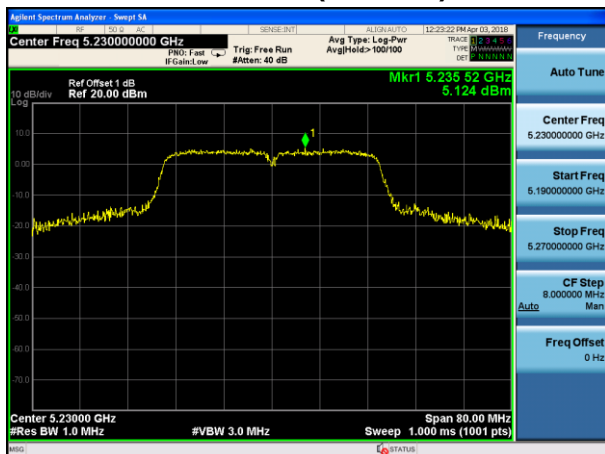
802.11n(HT40) mode



802.11ac(HT40) mode



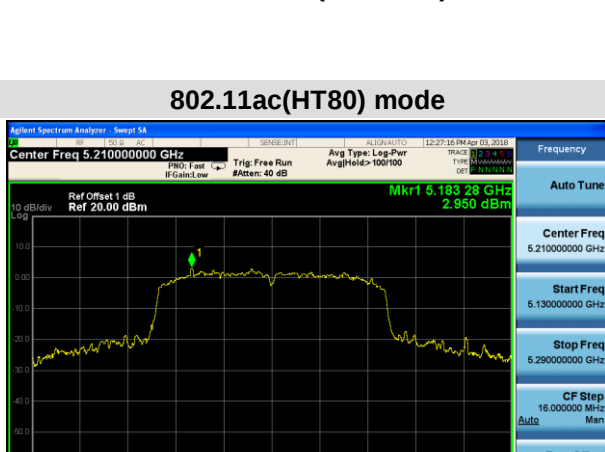
Channel 38 (5190MHz)



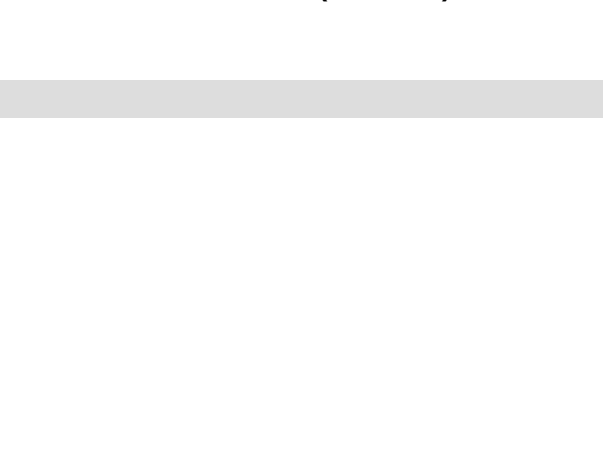
Channel 38 (5190MHz)



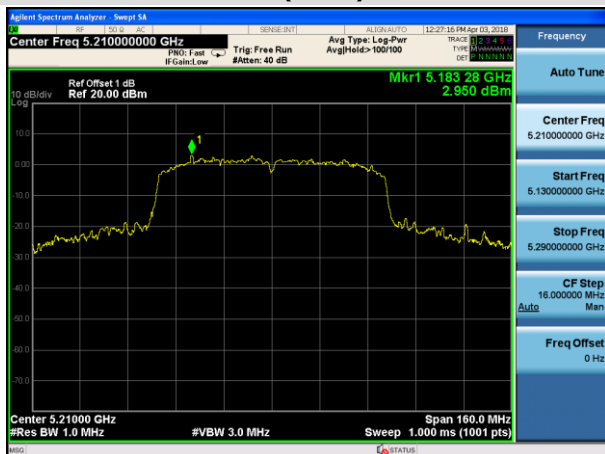
Channel 46 (5230MHz)



Channel 46 (5230MHz)



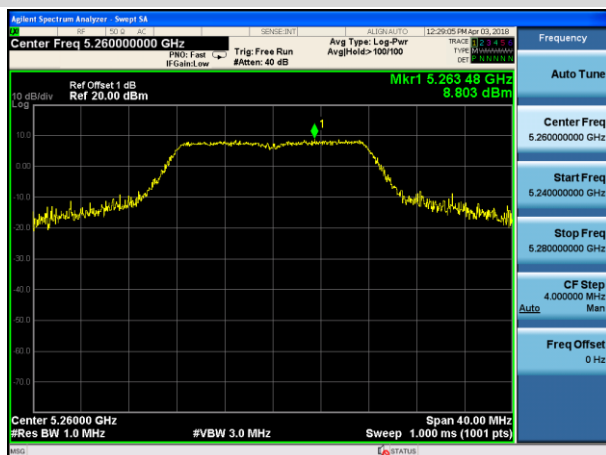
802.11ac(HT80) mode



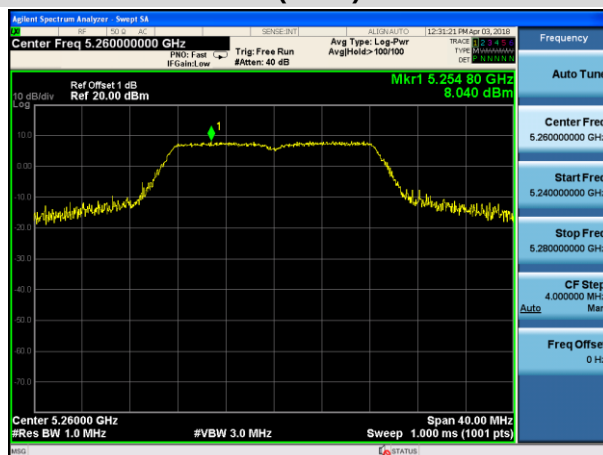
Channel 40 (5210MHz)

Band 2A (5250 - 5350 MHz)

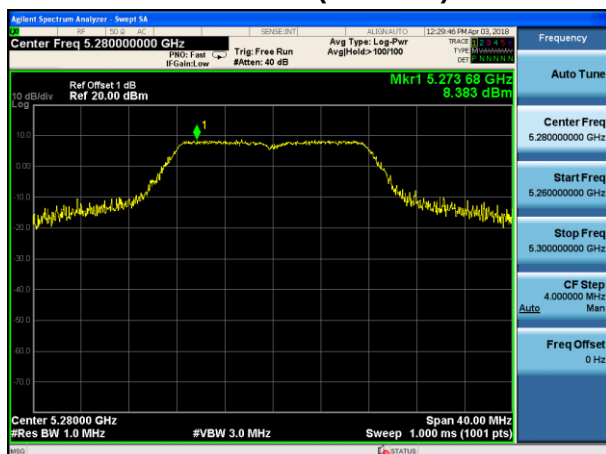
802.11a mode



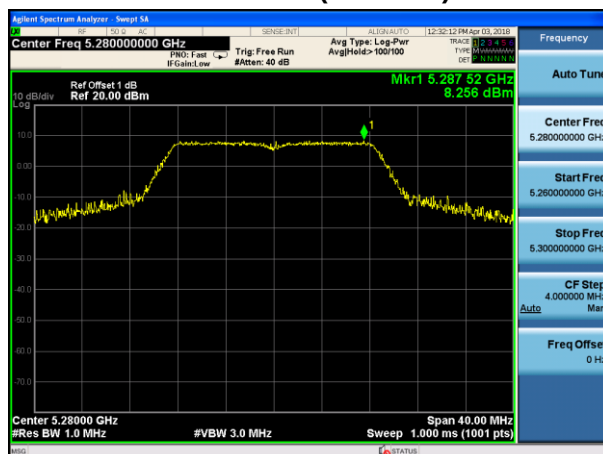
802.11n(HT20) mode



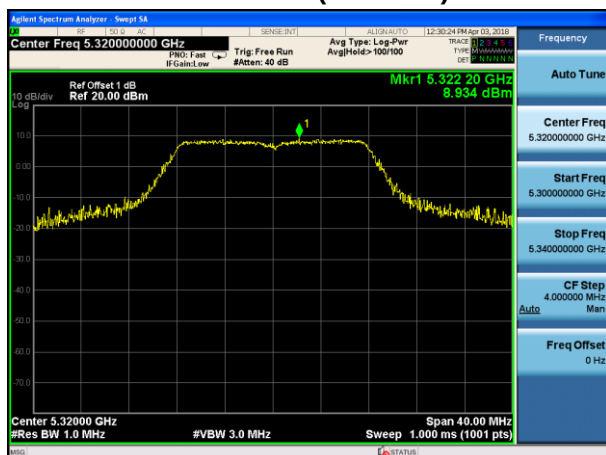
Channel 52 (5260MHz)



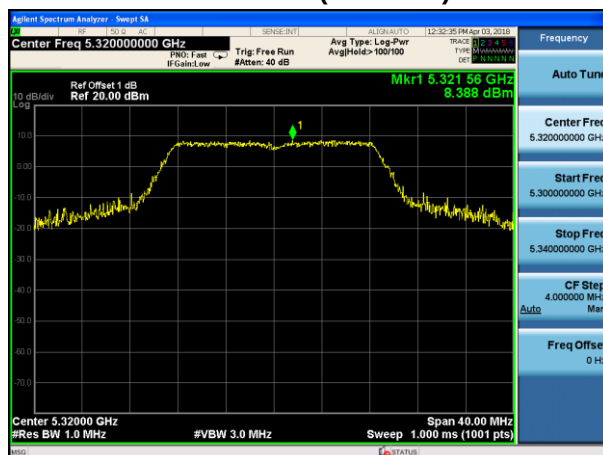
Channel 52 (5260MHz)



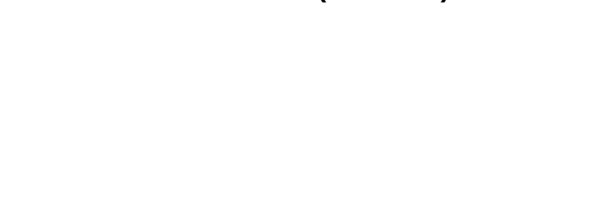
Channel 56 (5280MHz)



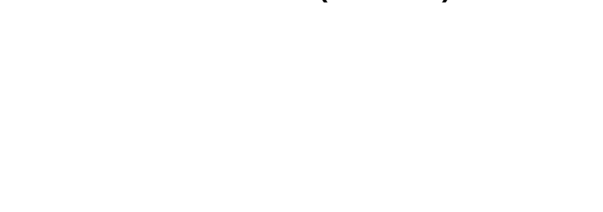
Channel 56 (5280MHz)



Channel 64 (5320MHz)



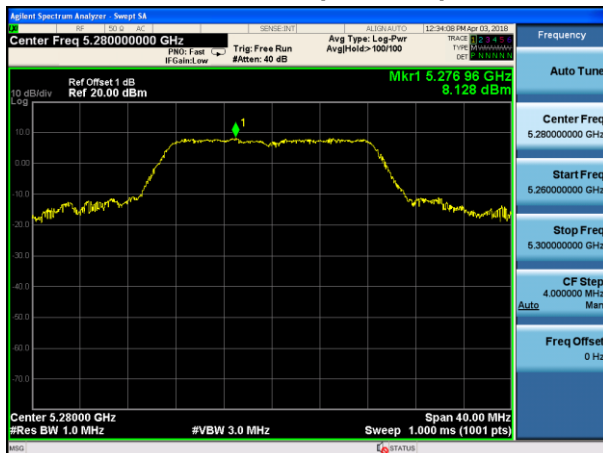
Channel 64 (5320MHz)



802.11ac(HT20) mode



Channel 52 (5260MHz)

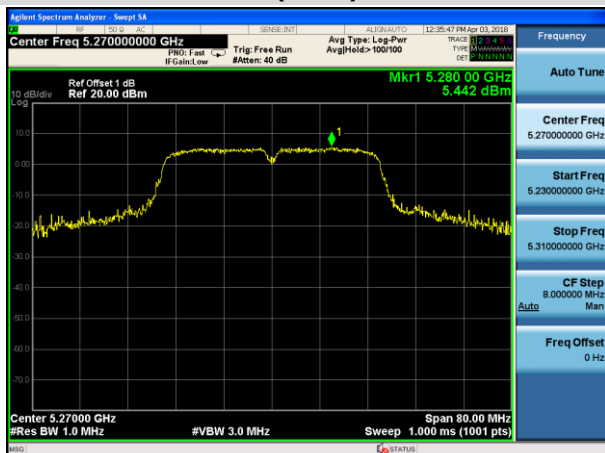


Channel 56 (5280MHz)



Channel 64 (5320MHz)

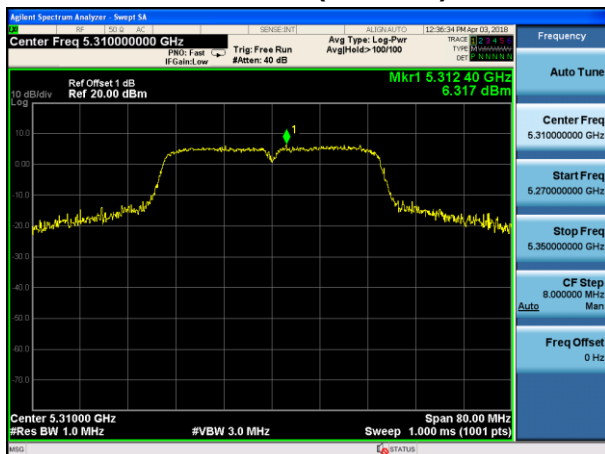
802.11n(HT40) mode



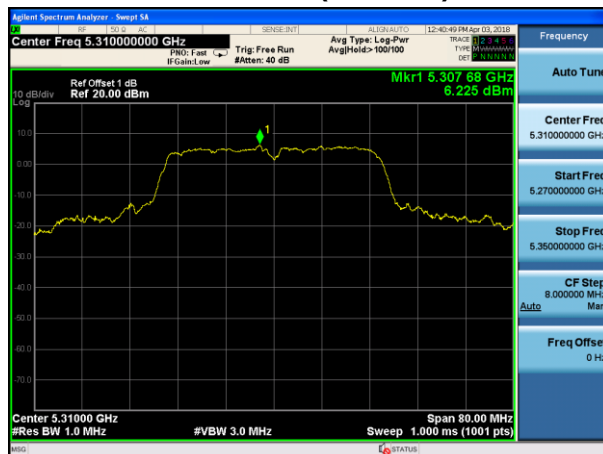
802.11ac(HT40) mode



Channel 54 (5270MHz)

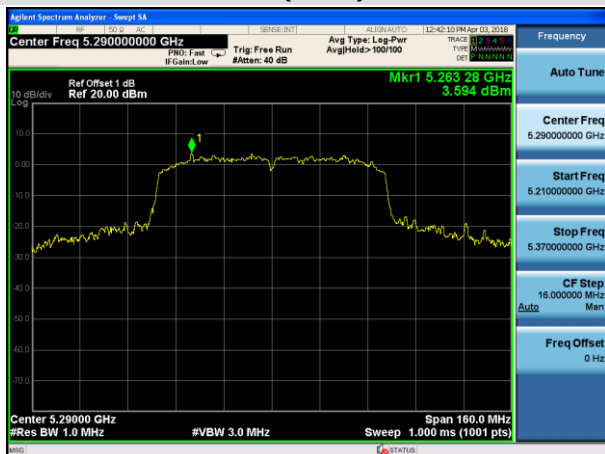


Channel 62 (5310MHz)



Channel 62 (5310MHz)

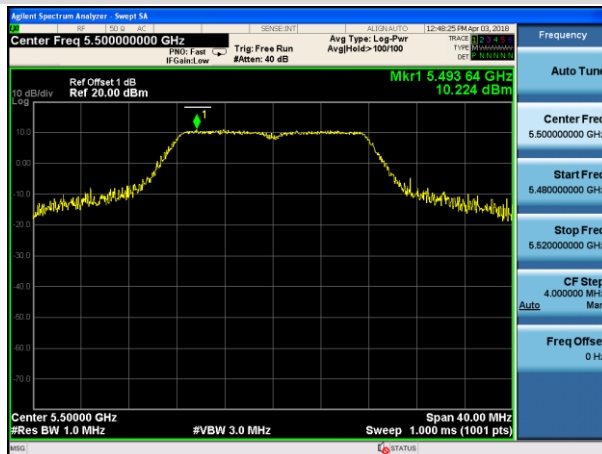
802.11ac(HT80) mode



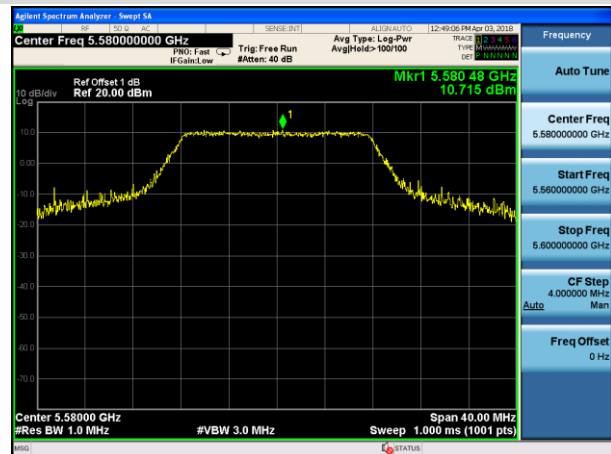
Channel 58 (5290MHz)

Band 2C (5470 - 5725 MHz)

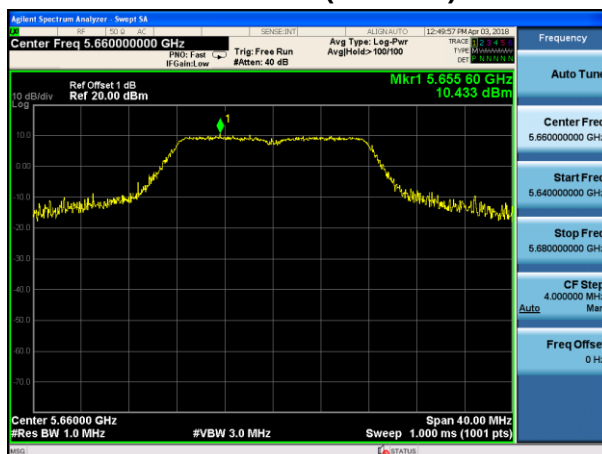
802.11a mode



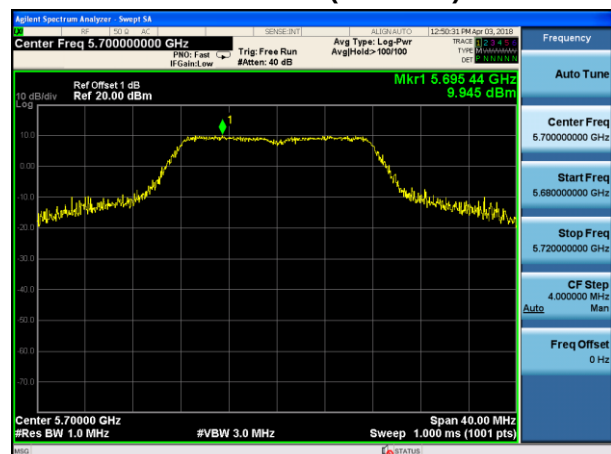
Channel 100 (5500MHz)



Channel 116 (5580MHz)



Channel 132 (5660MHz)

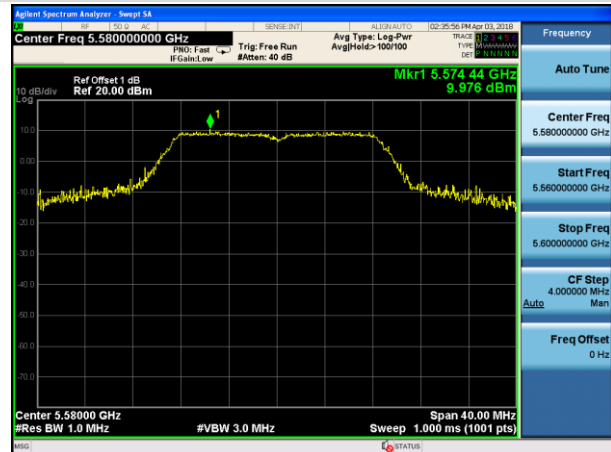


Channel 140 (5700MHz)

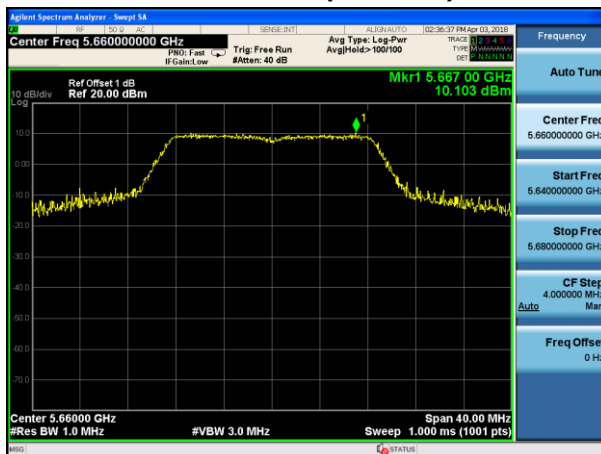
802.11n(HT20) mode



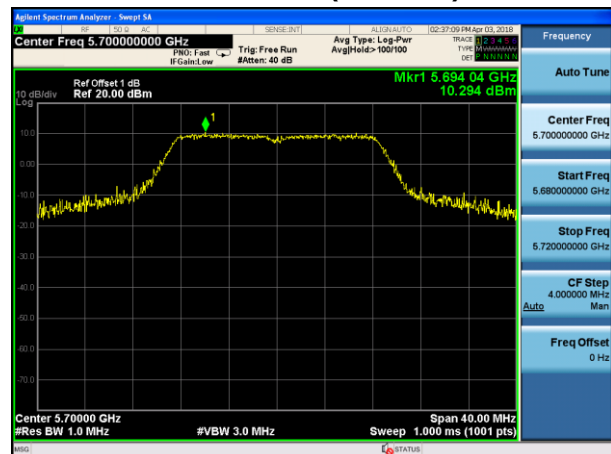
Channel 100 (5500MHz)



Channel 116 (5580MHz)



Channel 132 (5660MHz)



Channel 140 (5700MHz)

802.11ac(HT20) mode



Channel 100 (5500MHz)



Channel 116 (5580MHz)

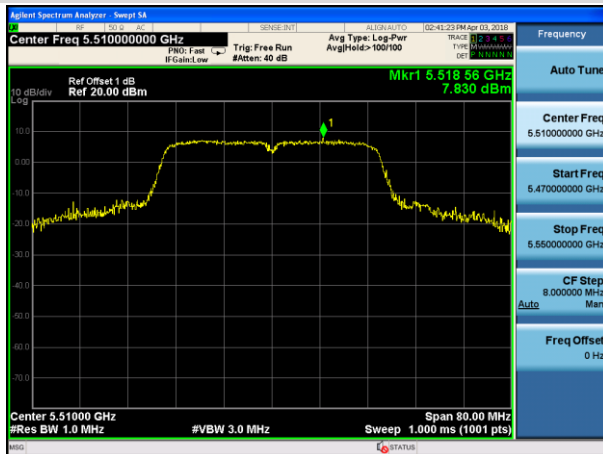


Channel 132 (5660MHz)



Channel 140 (5700MHz)

802.11n(HT40) mode

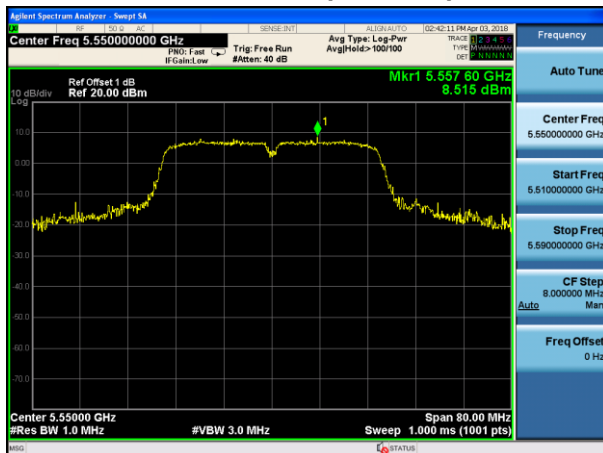


Channel 102 (5510MHz)

802.11ac(HT40) mode



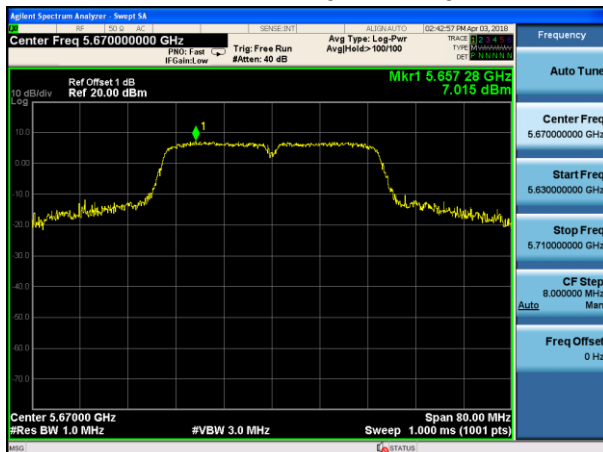
Channel 102 (5510MHz)



Channel 110 (5550MHz)



Channel 110 (5550MHz)



Channel 134 (5670MHz)



Channel 134 (5670MHz)

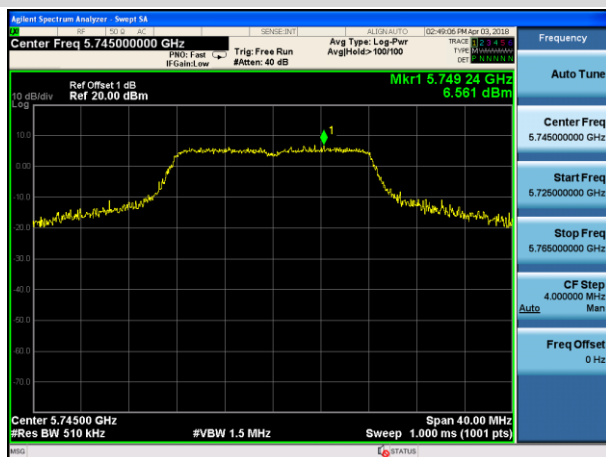
802.11ac(HT80) mode



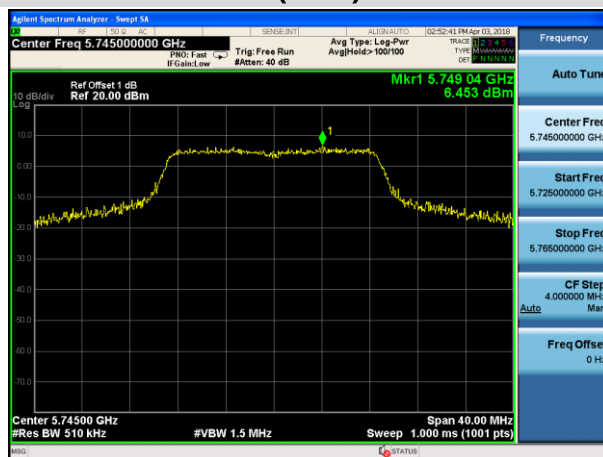
Channel 106 (5530MHz)

Band 3 (5725 - 5850 MHz)

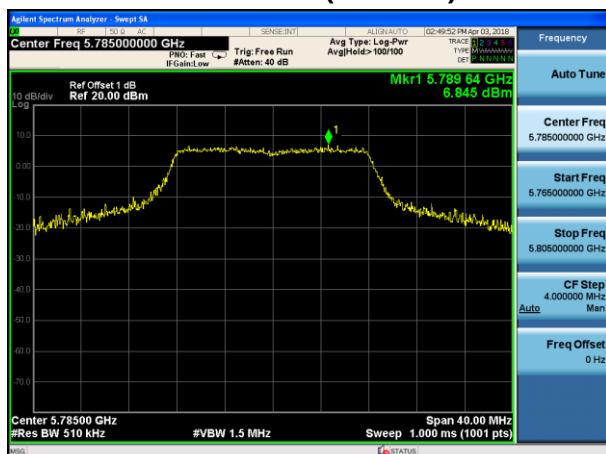
802.11a mode



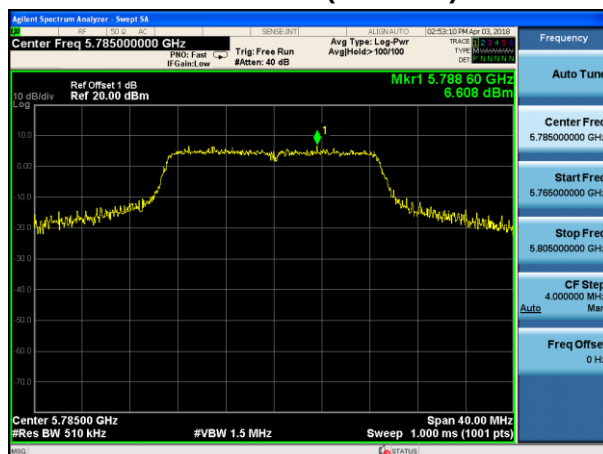
802.11n(HT20) mode



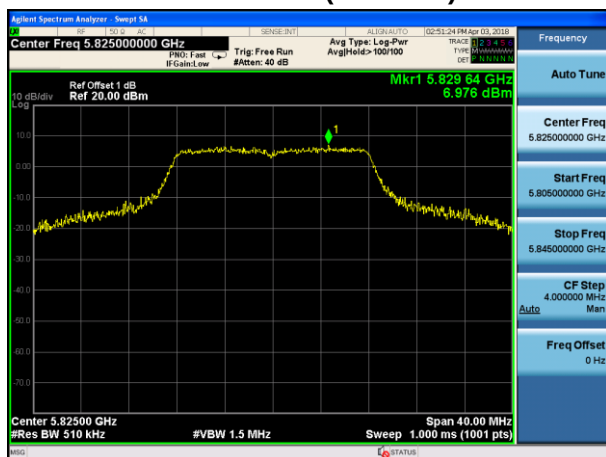
Channel 149 (5745MHz)



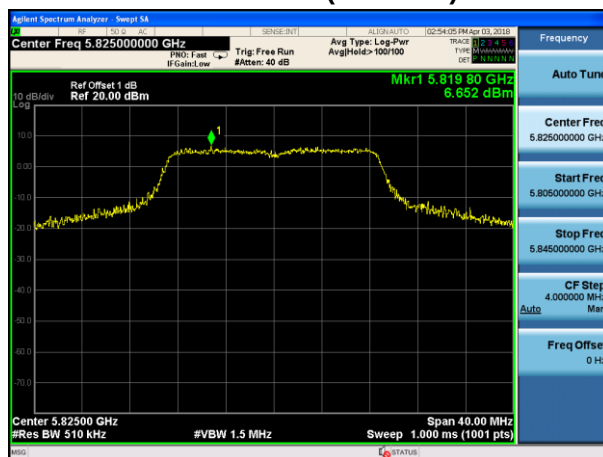
Channel 149 (5745MHz)



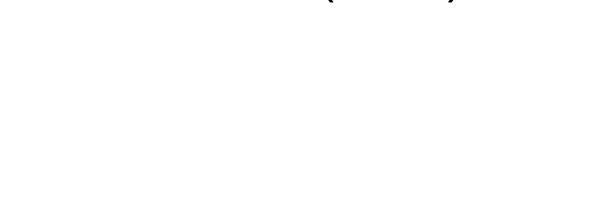
Channel 157 (5785MHz)



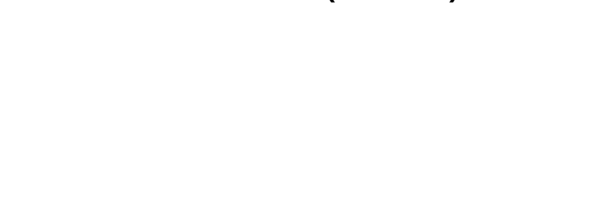
Channel 157 (5785MHz)



Channel 165 (5825MHz)



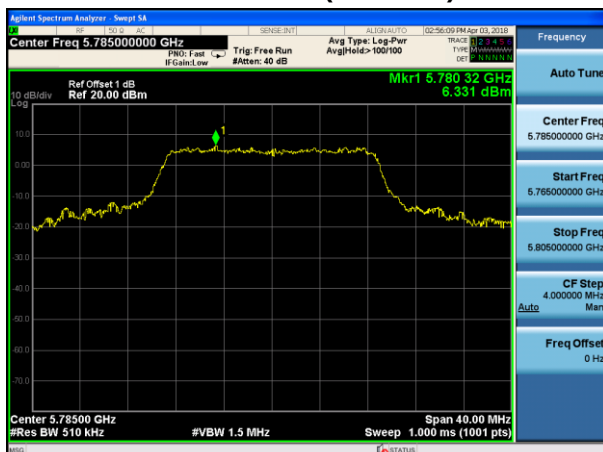
Channel 165 (5825MHz)



802.11ac(HT20) mode



Channel 149 (5745MHz)

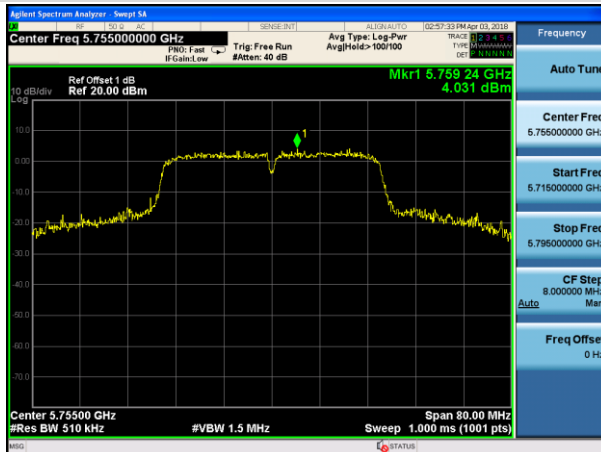


Channel 157 (5785MHz)



Channel 165 (5825MHz)

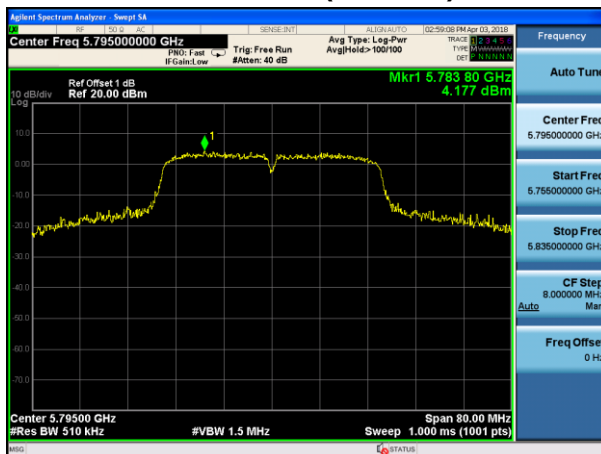
802.11n(HT40) mode



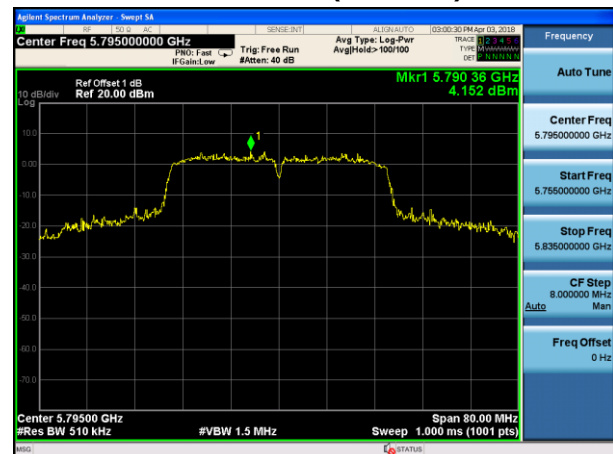
802.11ac(HT40) mode



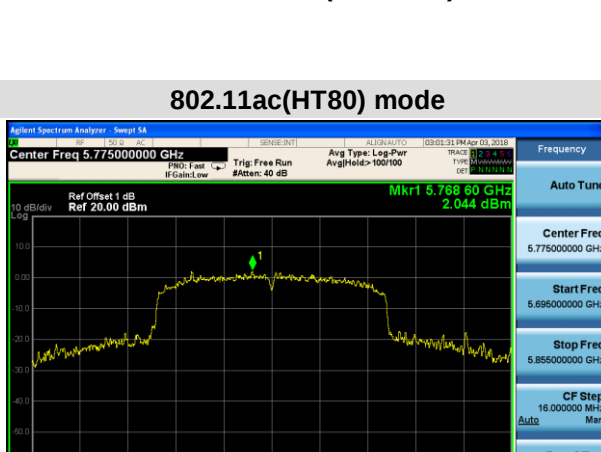
Channel 151 (5755MHz)



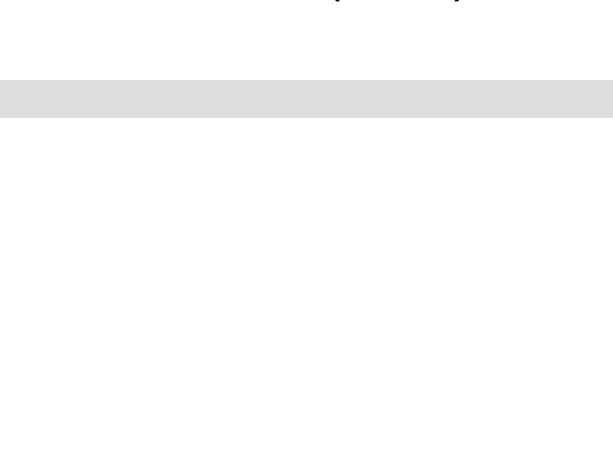
Channel 151 (5755MHz)



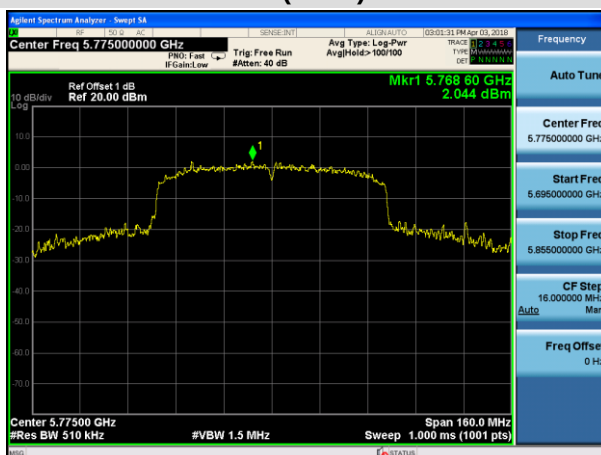
Channel 159 (5795MHz)



Channel 159 (5795MHz)



802.11ac(HT80) mode

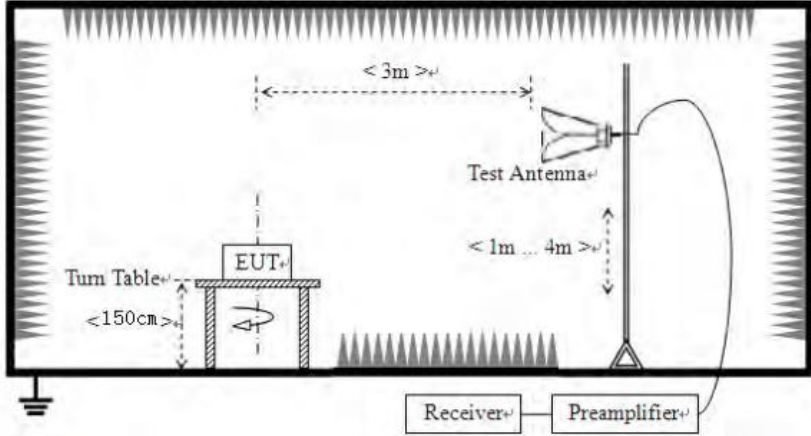


Channel 155(5775MHz)



7.6 Band Edge

Test Requirement:	FCC Part15 E Section 15.407 and 15.205																								
Test Method:	ANSI C63.10:2013																								
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)																								
Receiver setup:	<table><tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr><tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>100KHz</td><td>300KHz</td><td>Quasi-peak Value</td></tr><tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr><tr><td>AV</td><td>1MHz</td><td>3MHz</td><td>Average Value</td></tr></table>					Frequency	Detector	RBW	VBW	Remark	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value	Above 1GHz	Peak	1MHz	3MHz	Peak Value	AV	1MHz	3MHz	Average Value	
Frequency	Detector	RBW	VBW	Remark																					
30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value																					
Above 1GHz	Peak	1MHz	3MHz	Peak Value																					
	AV	1MHz	3MHz	Average Value																					
Limit:	<table><tr><td>Frequency</td><td>Limit (dBuV/m @3m)</td><td>Remark</td></tr><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>68.2</td><td>Peak Value</td></tr></table> Undesirable emission limits: (1) For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. (2) For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band. (3) For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.					Frequency	Limit (dBuV/m @3m)	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	68.2	Peak Value
Frequency	Limit (dBuV/m @3m)	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																							
	68.2	Peak Value																							
Test Procedure:	a. The EUT was placed on the top of a rotating table 1.5 m above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 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. 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. 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. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 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.
Test setup:	Above 1GHz 
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Remark:

According to KDB 789033 D02 v02r01 section G) 1) (d), for For measurements above 1000 MHz @ 3m distance, the limit of field strength is computed as follows:

$$E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2;$$

For example, if EIRP = -27dBm

$$E[\text{dBuV/m}] = -27 + 95.2 = 68.2\text{dBuV/m}.$$

Measurement Data:
Band1

Mode:		802.11a		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	34.58	17.18	51.76	68.20	-16.44	PK
V	5150.00	37.21	17.18	54.39	68.20	-13.81	PK
Mode:		802.11a		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	24.75	17.18	41.93	54.00	-12.07	AV
V	5150.00	27.02	17.18	44.20	54.00	-9.80	AV
Mode:		802.11a		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	33.15	17.18	50.33	68.20	-17.87	PK
V	5350.00	34.37	17.18	51.55	68.20	-16.65	PK
Mode:		802.11a		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	24.32	17.18	41.50	54.00	-12.50	AV
V	5350.00	25.39	17.18	42.57	54.00	-11.43	AV

Mode:		802.11n(HT20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	34.68	17.18	51.86	68.20	-16.34	PK
V	5150.00	36.70	17.18	53.88	68.20	-14.32	PK
Mode:		802.11n(HT20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	25.44	17.18	42.62	54.00	-11.38	AV
V	5150.00	27.60	17.18	44.78	54.00	-9.22	AV
Mode:		802.11n(HT20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	33.28	17.18	50.46	68.20	-17.74	PK
V	5350.00	35.07	17.18	52.25	68.20	-15.95	PK
Mode:		802.11n(HT20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	23.80	17.18	40.98	54.00	-13.02	AV
V	5350.00	25.29	17.18	42.47	54.00	-11.53	AV

Mode:		802.11ac(HT20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	34.84	17.18	52.02	68.20	-16.18	PK
V	5150.00	36.94	17.18	54.12	68.20	-14.08	PK
Mode:		802.11ac(HT20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	25.28	17.18	42.46	54.00	-11.54	AV
V	5150.00	27.65	17.18	44.83	54.00	-9.17	AV
Mode:		802.11ac(HT20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	33.04	17.18	50.22	68.20	-17.98	PK
V	5350.00	34.82	17.18	52.00	68.20	-16.20	PK
Mode:		802.11ac(HT20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	24.36	17.18	41.54	54.00	-12.46	AV
V	5350.00	25.39	17.18	42.57	54.00	-11.43	AV

Mode:		802.11n(HT40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	34.22	17.20	51.42	68.20	-16.78	PK
V	5150.00	36.76	17.20	53.96	68.20	-14.24	PK
Mode:		802.11n(HT40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	24.90	17.20	42.10	54.00	-11.90	AV
V	5150.00	27.03	17.20	44.23	54.00	-9.77	AV
Mode:		802.11n(HT40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	33.56	17.20	50.76	68.20	-17.44	PK
V	5350.00	34.46	17.20	51.66	68.20	-16.54	PK
Mode:		802.11n(HT40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	24.31	17.18	41.49	54.00	-12.51	AV
V	5350.00	24.83	17.18	42.01	54.00	-11.99	AV

Mode:		802.11ac(HT40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	34.48	17.20	51.68	68.20	-16.52	PK
V	5150.00	36.74	17.20	53.94	68.20	-14.26	PK
Mode:		802.11ac(HT40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	25.40	17.18	42.58	54.00	-11.42	AV
V	5150.00	27.30	17.18	44.48	54.00	-9.52	AV
Mode:		802.11ac(HT40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	32.96	17.20	50.16	68.20	-18.04	PK
V	5350.00	35.12	17.20	52.32	68.20	-15.88	PK
Mode:		802.11ac(HT40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	24.20	17.20	41.40	54.00	-12.60	AV
V	5350.00	24.89	17.20	42.09	54.00	-11.91	AV

Mode:		802.11ac(HT80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	34.79	17.20	51.99	68.20	-16.21	PK
V	5150.00	37.07	17.20	54.27	68.20	-13.93	PK
Mode:		802.11ac(HT80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	25.03	17.18	42.21	54.00	-11.79	AV
V	5150.00	27.64	17.18	44.82	54.00	-9.18	AV
Mode:		802.11ac(HT80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	33.51	17.20	50.71	68.20	-17.49	PK
V	5350.00	34.98	17.20	52.18	68.20	-16.02	PK
Mode:		802.11ac(HT80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	24.05	17.20	41.25	54.00	-12.75	AV
V	5350.00	24.95	17.20	42.15	54.00	-11.85	AV

Band2

Mode:		802.11a		Frequency:		5260MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	34.48	17.18	51.66	68.20	-16.54	PK
V	5150.00	37.17	17.18	54.35	68.20	-13.85	PK
Mode:		802.11a		Frequency:		5260MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	25.27	17.18	42.45	54.00	-11.55	AV
V	5150.00	27.46	17.18	44.64	54.00	-9.36	AV
Mode:		802.11a		Frequency:		5320MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	33.48	17.18	50.66	68.20	-17.54	PK
V	5350.00	34.61	17.18	51.79	68.20	-16.41	PK
Mode:		802.11a		Frequency:		5320MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	23.75	17.18	40.93	54.00	-13.07	AV
V	5350.00	24.79	17.18	41.97	54.00	-12.03	AV

Mode:		802.11n(HT20)		Frequency:		5260MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	34.48	17.18	51.66	68.20	-16.54	PK
V	5150.00	37.17	17.18	54.35	68.20	-13.85	PK
Mode:		802.11n(HT20)		Frequency:		5260MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	24.82	17.18	42.00	54.00	-12.00	AV
V	5150.00	27.70	17.18	44.88	54.00	-9.12	AV
Mode:		802.11n(HT20)		Frequency:		5320MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	33.14	17.18	50.32	68.20	-17.88	PK
V	5350.00	35.07	17.18	52.25	68.20	-15.95	PK
Mode:		802.11n(HT20)		Frequency:		5320MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	24.30	17.18	41.48	54.00	-12.52	AV
V	5350.00	25.30	17.18	42.48	54.00	-11.52	AV

Mode:		802.11ac(HT20)		Frequency:		5260MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	34.20	17.18	51.38	68.20	-16.82	PK
V	5150.00	36.68	17.18	53.86	68.20	-14.34	PK
Mode:		802.11ac(HT20)		Frequency:		5260MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	25.04	17.18	42.22	54.00	-11.78	AV
V	5150.00	27.05	17.18	44.23	54.00	-9.77	AV
Mode:		802.11ac(HT20)		Frequency:		5320MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	33.34	17.18	50.52	68.20	-17.68	PK
V	5350.00	34.82	17.18	52.00	68.20	-16.20	PK
Mode:		802.11ac(HT20)		Frequency:		5320MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	24.22	17.18	41.40	54.00	-12.60	AV
V	5350.00	25.36	17.18	42.54	54.00	-11.46	AV

Mode:		802.11n(HT40)		Frequency:		5270MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	34.62	17.20	51.82	68.20	-16.38	PK
V	5150.00	36.99	17.20	54.19	68.20	-14.01	PK
Mode:		802.11n(HT40)		Frequency:		5270MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	24.98	17.20	42.18	54.00	-11.82	AV
V	5150.00	27.20	17.20	44.40	54.00	-9.60	AV
Mode:		802.11n(HT40)		Frequency:		5310MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	33.34	17.20	50.54	68.20	-17.66	PK
V	5350.00	34.83	17.20	52.03	68.20	-16.17	PK
Mode:		802.11n(HT40)		Frequency:		5310MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	23.89	17.18	41.07	54.00	-12.93	AV
V	5350.00	25.01	17.18	42.19	54.00	-11.81	AV

Mode:		802.11ac(HT40)		Frequency:		5270MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	34.38	17.20	51.58	68.20	-16.62	PK
V	5150.00	37.07	17.20	54.27	68.20	-13.93	PK
Mode:		802.11ac(HT40)		Frequency:		5270MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	24.94	17.18	42.12	54.00	-11.88	AV
V	5150.00	27.75	17.18	44.93	54.00	-9.07	AV
Mode:		802.11ac(HT40)		Frequency:		5310MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	32.85	17.20	50.05	68.20	-18.15	PK
V	5350.00	34.92	17.20	52.12	68.20	-16.08	PK
Mode:		802.11ac(HT40)		Frequency:		5310MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	23.91	17.20	41.11	54.00	-12.89	AV
V	5350.00	24.78	17.20	41.98	54.00	-12.02	AV

Mode:		802.11ac(HT80)		Frequency:		5290MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	34.87	17.20	52.07	68.20	-16.13	PK
V	5150.00	36.51	17.20	53.71	68.20	-14.49	PK
Mode:		802.11ac(HT80)		Frequency:		5290MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	25.09	17.18	42.27	54.00	-11.73	AV
V	5150.00	27.35	17.18	44.53	54.00	-9.47	AV
Mode:		802.11ac(HT80)		Frequency:		5290MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	33.30	17.20	50.50	68.20	-17.70	PK
V	5350.00	34.86	17.20	52.06	68.20	-16.14	PK
Mode:		802.11ac(HT80)		Frequency:		5290MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	24.12	17.20	41.32	54.00	-12.68	AV
V	5350.00	24.89	17.20	42.09	54.00	-11.91	AV

Band3

Mode:		802.11a		Frequency:		5500MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5470.00	34.75	17.18	51.93	68.20	-16.27	PK
V	5470.00	36.93	17.18	54.11	68.20	-14.09	PK
Mode:		802.11a		Frequency:		5500MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5470.00	25.36	17.18	42.54	54.00	-11.46	AV
V	5470.00	27.57	17.18	44.75	54.00	-9.25	AV
Mode:		802.11a		Frequency:		5700MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	32.89	17.18	50.07	68.20	-18.13	PK
V	5850.00	34.97	17.18	52.15	68.20	-16.05	PK
Mode:		802.11a		Frequency:		5700MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	23.62	17.18	40.80	54.00	-13.20	AV
V	5850.00	25.25	17.18	42.43	54.00	-11.57	AV

Mode:		802.11n(HT20)		Frequency:		5500MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5470.00	34.58	17.18	51.76	68.20	-16.44	PK
V	5470.00	36.71	17.18	53.89	68.20	-14.31	PK
Mode:		802.11n(HT20)		Frequency:		5500MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5470.00	25.07	17.18	42.25	54.00	-11.75	AV
V	5470.00	27.64	17.18	44.82	54.00	-9.18	AV
Mode:		802.11n(HT20)		Frequency:		5700MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	55725.00	33.44	17.18	50.62	68.20	-17.58	PK
V	5850.00	34.84	17.18	52.02	68.20	-16.18	PK
Mode:		802.11n(HT20)		Frequency:		5700MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5850.00	24.06	17.18	41.24	54.00	-12.76	AV
V	5850.00	24.87	17.18	42.05	54.00	-11.95	AV

Mode:		802.11ac(HT20)		Frequency:		5500MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)		
H	5470.00	35.34	17.18	52.52	68.20	-15.68	PK
V	5470.00	38.84	17.18	56.02	68.20	-12.18	PK
Mode:		802.11ac(HT20)		Frequency:		5500MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)		
H	5470.00	26.42	17.18	43.60	54.00	-10.40	AV
V	5470.00	26.67	17.18	43.85	54.00	-10.15	AV
Mode:		802.11ac(HT20)		Frequency:		5700MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)		
H	5725.00	35.04	17.18	52.22	68.20	-15.98	PK
V	5725.00	33.06	17.18	50.24	68.20	-17.96	PK
Mode:		802.11ac(HT20)		Frequency:		5700MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)		
H	5725.00	23.80	17.18	40.98	54.00	-13.02	AV
V	5725.00	24.18	17.18	41.36	54.00	-12.64	AV

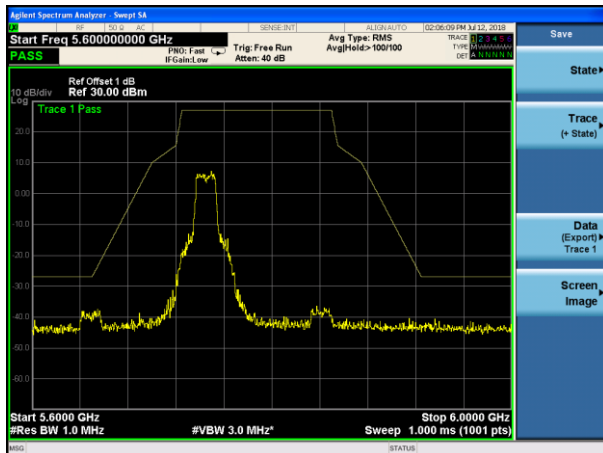
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Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5470.00	33.73	17.20	50.93	68.20	-17.27	PK
V	5470.00	35.83	17.20	53.03	68.20	-15.17	PK
Mode:		802.11n(HT40)		Frequency:		5510MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5470.00	24.37	17.20	41.57	54.00	-12.43	AV
V	5470.00	28.66	17.20	45.86	54.00	-8.14	AV
Mode:		802.11n(HT40)		Frequency:		5670MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5725.00	32.00	17.20	49.20	68.20	-19.00	PK
V	5725.00	32.95	17.20	50.15	68.20	-18.05	PK
Mode:		802.11n(HT40)		Frequency:		5670MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5725.00	22.77	17.18	39.95	54.00	-14.05	AV
V	5725.00	23.38	17.18	40.56	54.00	-13.44	AV

Mode:		802.11ac(HT40)		Frequency:		5510MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5470.00	34.80	17.20	52.00	68.20	-16.20	PK
V	5470.00	36.41	17.20	53.61	68.20	-14.59	PK
Mode:		802.11ac(HT40)		Frequency:		5510MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5470.00	23.34	17.18	40.52	54.00	-13.48	AV
V	5470.00	27.81	17.18	44.99	54.00	-9.01	AV
Mode:		802.11ac(HT40)		Frequency:		5670MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5725.00	34.45	17.20	51.65	68.20	-16.55	PK
V	5725.00	32.87	17.20	50.07	68.20	-18.13	PK
Mode:		802.11ac(HT40)		Frequency:		5670MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5725.00	22.60	17.20	39.80	54.00	-14.20	AV
V	5725.00	24.20	17.20	41.40	54.00	-12.60	AV

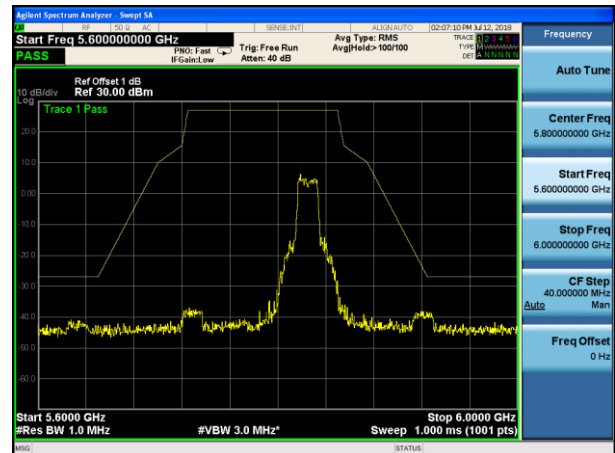
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Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5470.00	34.03	17.20	51.23	68.20	-16.97	PK
V	5470.00	36.44	17.20	53.64	68.20	-14.56	PK
Mode:		802.11ac(HT80)		Frequency:		5530MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5470.00	26.57	17.18	43.75	54.00	-10.25	AV
V	5470.00	26.85	17.18	44.03	54.00	-9.97	AV
Mode:		802.11ac(HT80)		Frequency:		5530MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5725.00	32.42	17.20	49.62	68.20	-18.58	PK
V	5725.00	36.72	17.20	53.92	68.20	-14.28	PK
Mode:		802.11ac(HT80)		Frequency:		5530MHz	
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Over limit(dB)	Detector
		(dBuV)	(dB/m)	(dBuV/m)			
H	5725.00	23.82	17.20	41.02	54.00	-12.98	AV
V	5725.00	26.15	17.20	43.35	54.00	-10.65	AV

Band4

802.11a

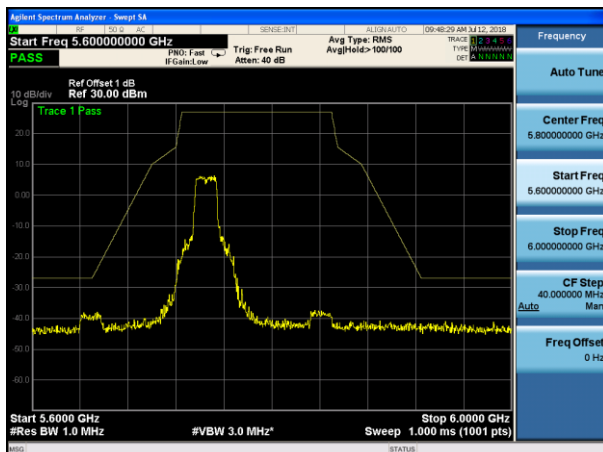


Low: 5745MHz

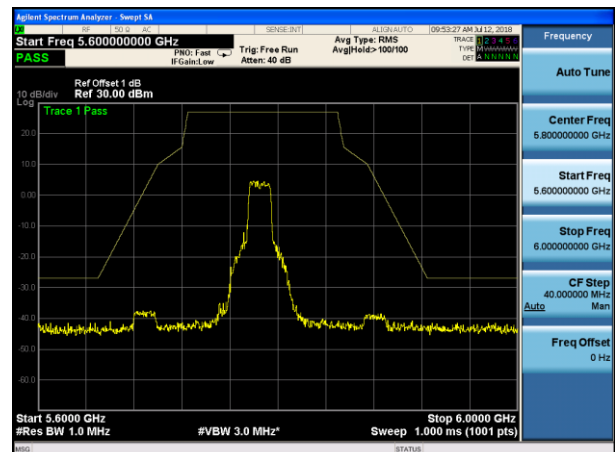


High: 5825MHz

802.11n(HT20)

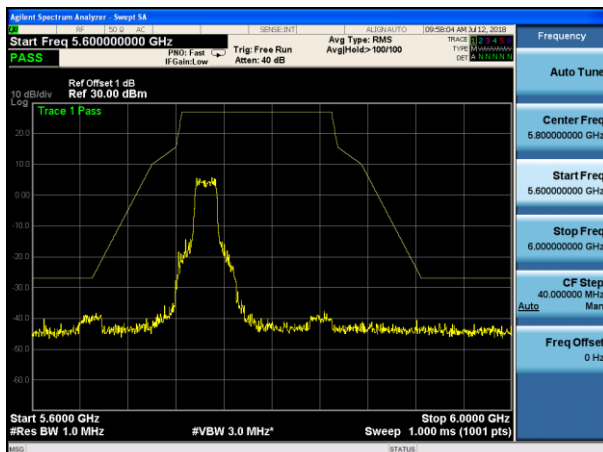


Low: 5745MHz

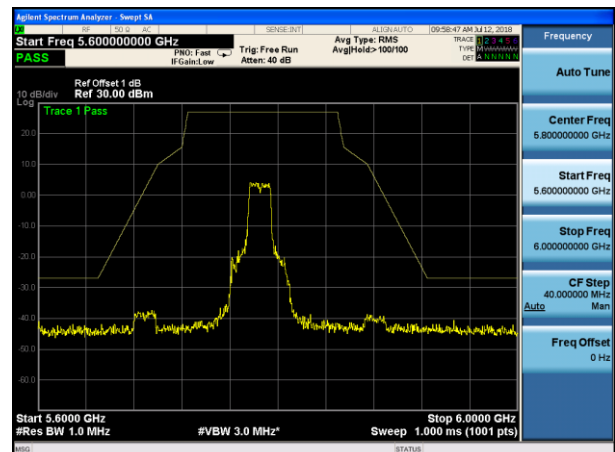


High: 5825MHz

802.11ac(HT20)

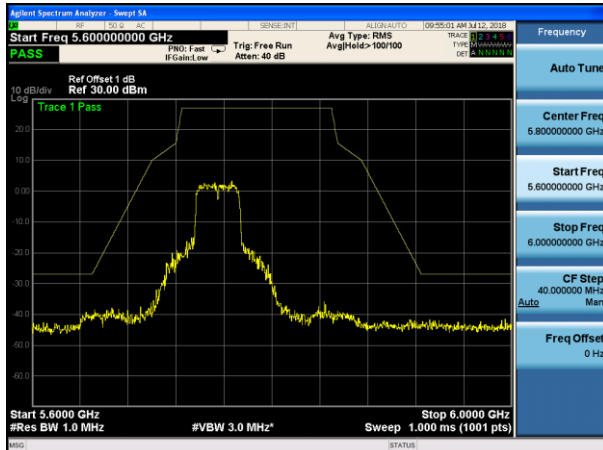


Low: 5745MHz

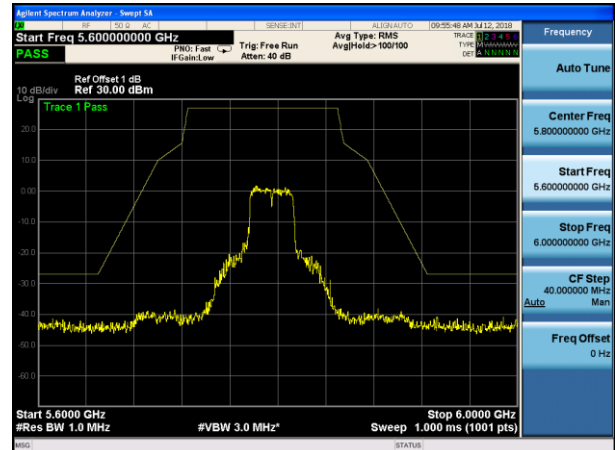


High: 5825MHz

802.11n(HT40)

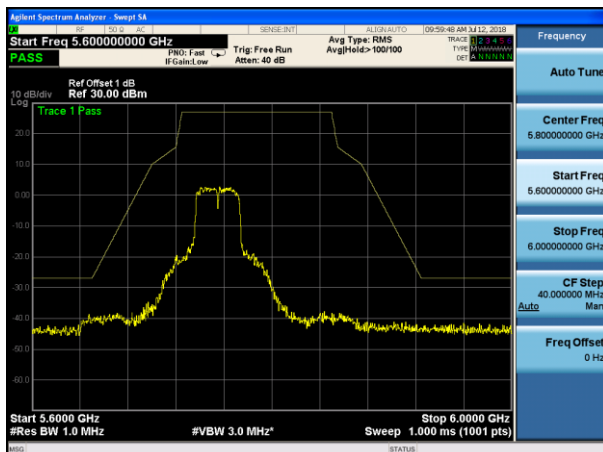


Low: 5755MHz

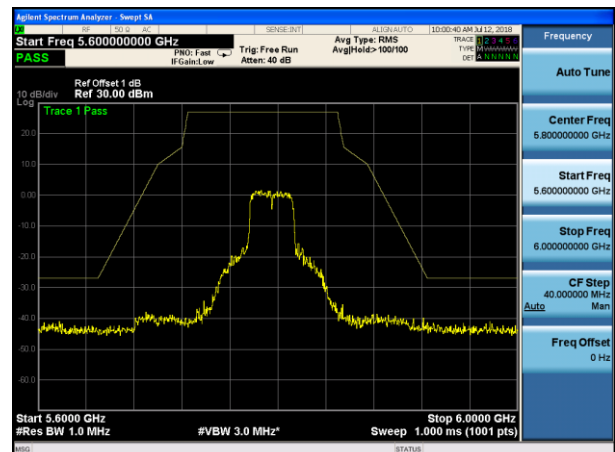


High: 5795MHz

802.11ac(HT40)

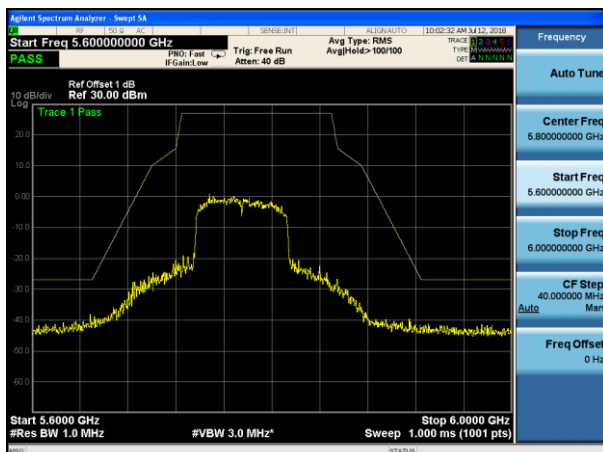


Low: 5755MHz



High: 5795MHz

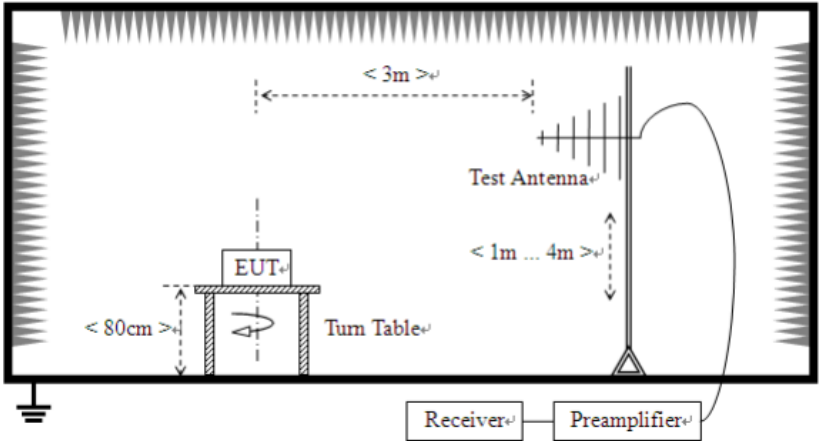
802.11ac(HT80)

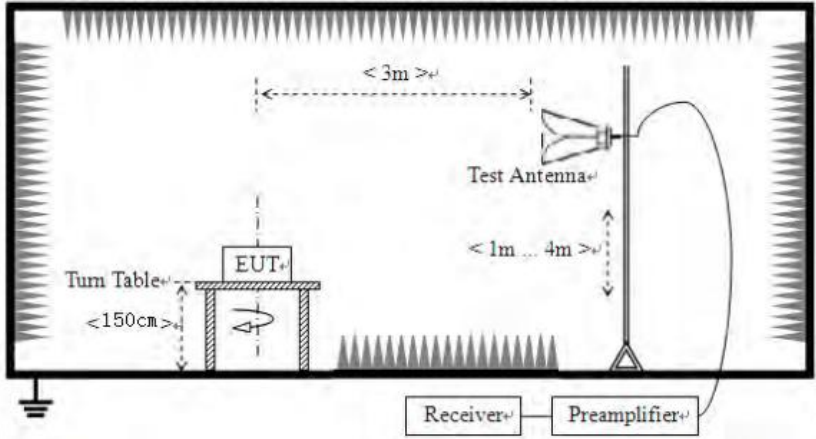


5775MHz

7.7 Radiated Emission

Test Requirement:	FCC Part15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.10:2013				
Test Frequency Range:	30MHz to 40GHz				
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		AV	1MHz	3MHz	Average Value
Limit:	Frequency		Limit (dBuV/m @3m)		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		68.2		Peak Value
Test Procedure:	Substitution method was performed to determine the actual ERP emission levels of the EUT. The following test procedure as below:				
	1>.Below 1GHz test procedure: 1. The EUT was placed on the top of a rotating table (0.8m for below 1GHz and 1.5 meters for above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. 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. 4. 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. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. 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. 2>.Above 1GHz test procedure: 1. On the test site as test setup graph above,the EUT shall be placed at the 0.8m support on the turntable and in the position closest to normal use as declared by the provider. 2. The test antenna shall be oriented initially for vertical polarization and shall be chosen to correspond to the frequency of the transmitter.The output of the test antenna shall be connected to the measuring				

	receiver. 3. The transmitter shall be switched on, if possible, without modulation and the measuring receiver shall be tuned to the frequency of the transmitter under test. 4. The test antenna shall be raised and lowered from 1m to 4m until a maximum signal level is detected by the measuring receiver. Then the turntable should be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver. 5. Repeat step 4 for test frequency with the test antenna polarized horizontally. 6. Remove the transmitter and replace it with a substitution antenna 7. Feed the substitution antenna at the transmitter end with a signal generator connected to the antenna by means of a nonradiating cable. With the antennas at both ends vertically polarized, and with the signal generator tuned to a particular test frequency, raise and lower the test antenna to obtain a maximum reading at the spectrum analyzer. Adjust the level of the signal generator output until the previously recorded maximum reading for this set of conditions is obtained. This should be done carefully repeating the adjustment of the test antenna and generator output. 8. Repeat step 7 with both antennas horizontally polarized for each test frequency. 9. Calculate power in dBm into a reference ideal half-wave dipole antenna by reducing the readings obtained in steps 7 and 8 by the power loss in the cable between the generator and the antenna, and further corrected for the gain of the substitution antenna used relative to an ideal half-wave dipole antenna by the following formula: $EIRP(dBm) = P_g(dBm) - \text{cable loss (dB)} + \text{antenna gain (dBi)}$ where: P_g is the generator output power into the substitution antenna.
Test setup:	Below 1GHz  Above 1GHz

	
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Measurement Data:

Below 1GHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
33.10	48.11	11.25	0.59	30.08	29.87	40.00	-10.13	Vertical
54.45	40.73	11.93	0.81	29.96	23.51	40.00	-16.49	Vertical
120.28	46.20	9.4	1.36	29.57	27.39	43.50	-16.11	Vertical
172.00	42.54	8.5	1.7	29.31	23.43	43.50	-20.07	Vertical
440.20	36.52	16.29	3.05	29.41	26.45	46.00	-19.55	Vertical
860.04	32.66	21.83	4.69	29.14	30.04	46.00	-15.96	Vertical
64.21	35.48	8.73	0.9	29.89	15.22	40.00	-24.78	Horizontal
99.53	33.64	11.73	1.19	29.7	16.86	43.50	-26.64	Horizontal
269.43	45.17	12.53	2.22	29.79	30.13	46.00	-15.87	Horizontal
350.48	35.81	14.5	2.62	29.73	23.20	46.00	-22.80	Horizontal
627.27	35.05	19.43	3.83	29.27	29.04	46.00	-16.96	Horizontal
955.44	40.32	22.54	5.06	29.1	38.82	46.00	-7.18	Horizontal

Above 1GHz:

802.11a(HT20) 5180MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360	30.10	39.67	14.62	32.65	51.74	74.00	-22.26	Vertical
15540	30.36	38.60	17.66	34.46	52.16	74.00	-21.84	Vertical
10360	31.28	39.67	14.62	32.65	52.92	74.00	-21.08	Horizontal
15540	31.08	38.60	17.66	34.46	52.88	74.00	-21.12	Horizontal

802.11a(HT20) 5200MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10400	31.80	39.67	14.62	32.65	53.44	74.00	-20.56	Vertical
15600	28.61	38.60	17.66	34.46	50.41	74.00	-23.59	Vertical
10400	31.70	39.67	14.62	32.65	53.34	74.00	-20.66	Horizontal
15600	30.66	38.60	17.66	34.46	52.46	74.00	-21.54	Horizontal

802.11a(HT20) 5240MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10480	29.57	39.67	14.62	32.65	51.21	74.00	-22.79	Vertical
15720	28.60	38.60	17.66	34.46	50.40	74.00	-23.60	Vertical
10480	31.35	39.67	14.62	32.65	52.99	74.00	-21.01	Horizontal
15720	29.80	38.60	17.66	34.46	51.60	74.00	-22.40	Horizontal

802.11n(HT20) 5180MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360	29.33	39.67	14.62	32.65	50.97	74.00	-23.03	Vertical
15540	30.00	38.60	17.66	34.46	51.80	74.00	-22.20	Vertical
10360	30.79	39.67	14.62	32.65	52.43	74.00	-21.57	Horizontal
15540	31.92	38.60	17.66	34.46	53.72	74.00	-20.28	Horizontal

802.11n(HT20) 5200MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10400	31.43	39.67	14.62	32.65	53.07	74.00	-20.93	Vertical
15600	29.39	38.60	17.66	34.46	51.19	74.00	-22.81	Vertical
10400	32.04	39.67	14.62	32.65	53.68	74.00	-20.32	Horizontal
15600	30.55	38.60	17.66	34.46	52.35	74.00	-21.65	Horizontal

802.11n(HT20) 5240MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10480	31.47	39.67	14.62	32.65	53.11	74.00	-20.89	Vertical
15720	28.66	38.60	17.66	34.46	50.46	74.00	-23.54	Vertical
10480	29.68	39.67	14.62	32.65	51.32	74.00	-22.68	Horizontal
15720	30.29	38.60	17.66	34.46	52.09	74.00	-21.91	Horizontal

802.11ac(HT20) 5180MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360	29.75	39.67	14.62	32.65	51.39	74.00	-22.61	Vertical
15540	31.03	38.60	17.66	34.46	52.83	74.00	-21.17	Vertical
10360	32.28	39.67	14.62	32.65	53.92	74.00	-20.08	Horizontal
15540	31.45	38.60	17.66	34.46	53.25	74.00	-20.75	Horizontal

802.11ac(HT20) 5200MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10400	30.03	39.67	14.62	32.65	51.67	74.00	-22.33	Vertical
15600	30.84	38.60	17.66	34.46	52.64	74.00	-21.36	Vertical
10400	30.15	39.67	14.62	32.65	51.79	74.00	-22.21	Horizontal
15600	31.58	38.60	17.66	34.46	53.38	74.00	-20.62	Horizontal

802.11ac(HT20) 5240MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10480	32.66	39.67	14.62	32.65	54.30	74.00	-19.70	Vertical
15720	32.28	38.60	17.66	34.46	54.08	74.00	-19.92	Vertical
10480	31.78	39.67	14.62	32.65	53.42	74.00	-20.58	Horizontal
15720	30.94	38.60	17.66	34.46	52.74	74.00	-21.26	Horizontal

802.11n(HT40) 5190MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10380	29.10	39.67	14.62	32.65	50.74	74.00	-23.26	Vertical
15570	29.96	38.60	17.66	34.46	51.76	74.00	-22.24	Vertical
10380	30.41	39.67	14.62	32.65	52.05	74.00	-21.95	Horizontal
15570	30.17	38.60	17.66	34.46	51.97	74.00	-22.03	Horizontal

802.11n(HT40) 5230MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10460	29.43	39.67	14.62	32.65	51.07	74.00	-22.93	Vertical
15690	29.34	38.60	17.66	34.46	51.14	74.00	-22.86	Vertical
10460	29.88	39.67	14.62	32.65	51.52	74.00	-22.48	Horizontal
15690	31.85	38.60	17.66	34.46	53.65	74.00	-20.35	Horizontal

802.11ac(HT40) 5190MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10380	31.92	39.67	14.62	32.65	53.56	74.00	-20.44	Vertical
15570	29.48	38.60	17.66	34.46	51.28	74.00	-22.72	Vertical
10380	31.06	39.67	14.62	32.65	52.70	74.00	-21.30	Horizontal
15570	29.52	38.60	17.66	34.46	51.32	74.00	-22.68	Horizontal

802.11ac(HT40) 5230MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10460	30.63	39.67	14.62	32.65	52.27	74.00	-21.73	Vertical
15690	31.00	38.60	17.66	34.46	52.80	74.00	-21.20	Vertical
10460	31.18	39.67	14.62	32.65	52.82	74.00	-21.18	Horizontal
15690	31.58	38.60	17.66	34.46	53.38	74.00	-20.62	Horizontal

802.11ac(HT80) 5210MHz

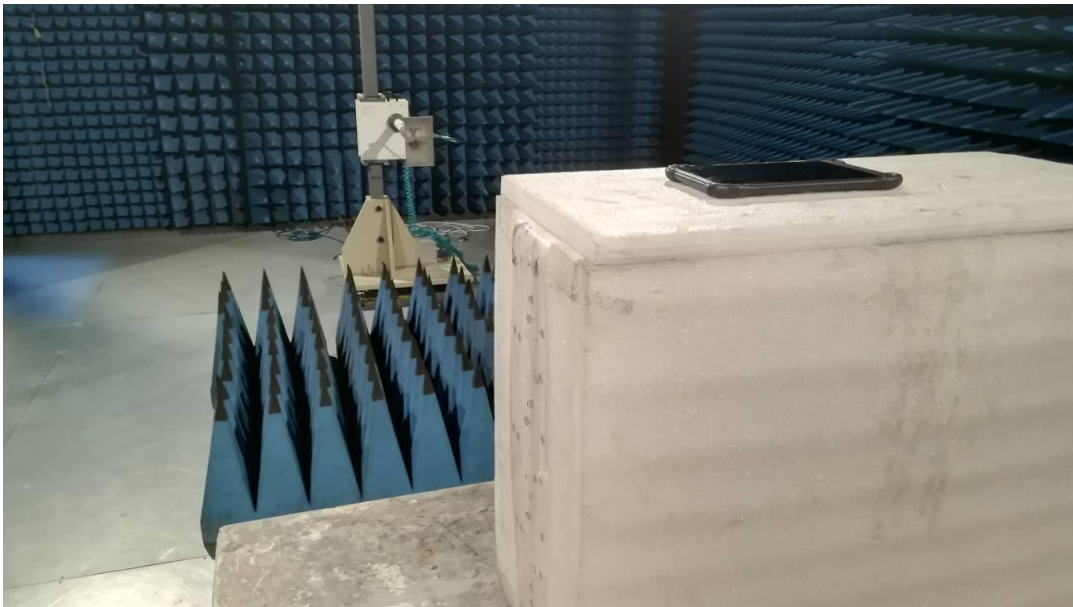
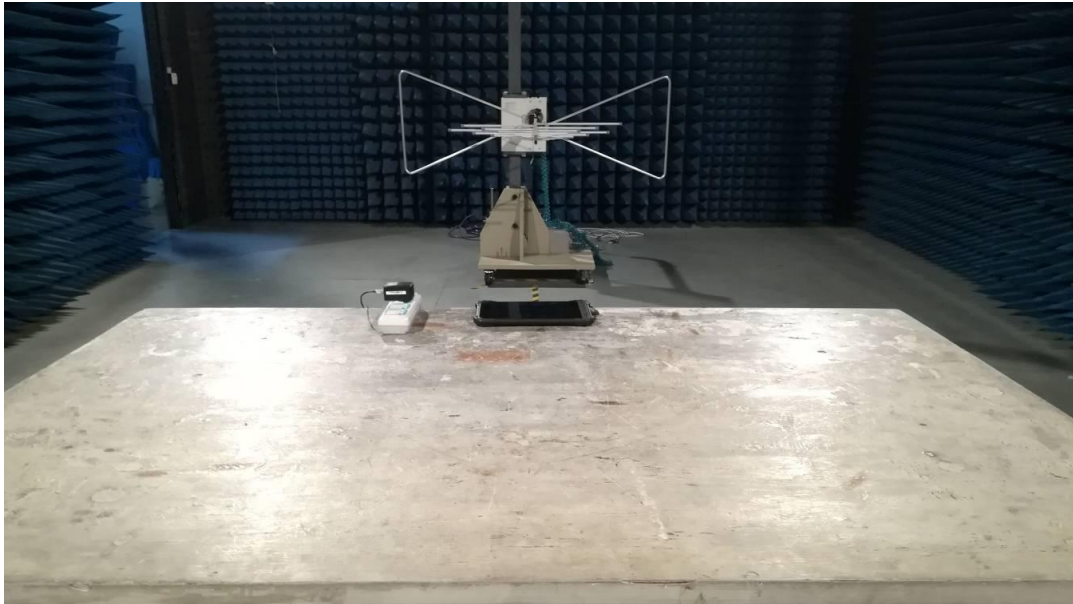
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10420	29.11	39.67	14.62	32.65	50.75	74.00	-23.25	Vertical
15630	31.28	38.6	17.66	34.46	53.08	74.00	-20.92	Vertical
10420	30.06	39.67	14.62	32.65	51.70	74.00	-22.30	Horizontal
15630	30.28	38.6	17.66	34.46	52.08	74.00	-21.92	Horizontal

Note:

1. Level = Read Level + Antenna Factor+ Cable loss- Preamp Factor.
2. The test trace is same as the ambient noise (the test frequency range: 18GHz~40GHz), therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

8 Test Setup Photo

Radiated Emission



Conducted Emission



9 EUT Constructional Details

Reference to the test report No. T1880102 01

---END---