

5150.00	H	38.53	---	5.82	44.35	---	74	54	-9.65
5142.20	V	43.21	---	5.79	49	---	74	54	-5
5150.00	V	41.44	---	5.82	47.26	---	74	54	-6.74

11ac(VHT20) CH64: 5320MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
5332.4	H	42.64	---	5.85	48.49	---	74	54	-5.51
5360.00	H	41.06	---	5.91	46.97	---	74	54	-7.03
5331.3	V	40.81	---	5.86	46.67	---	74	54	-7.33
5360.00	V	39.47	---	5.91	45.38	---	74	54	-8.62

11ac(VHT40) CH38: 5190MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
5142.20	H	42.86	---	5.80	48.66	---	74	54	-5.34
5150.00	H	39.65	---	5.82	45.47	---	74	54	-8.53
5142.20	V	43.52	---	5.80	49.32	---	74	54	-4.68
5150.00	V	41.98	---	5.82	47.8	---	74	54	-6.2

11ac(VHT40) CH62: 5310MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
5333.40	H	41.74	---	5.86	47.6	---	74	54	-6.4
5360.00	H	37.66	---	5.91	43.57	---	74	54	-10.43
5340.50	V	42.43	---	5.85	48.28	---	74	54	-5.72
5360.00	V	40.53	---	5.91	46.44	---	74	54	-7.56

11ac(VHT80) CH42: 5210MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
5142.20	H	41.80	---	5.80	47.6	---	74	54	-6.4
5150.00	H	39.42	---	5.82	45.24	---	74	54	-8.76
5142.20	V	40.36	---	5.80	46.16	---	74	54	-7.84
5150.00	V	38.79	---	5.82	44.61	---	74	54	-9.39

11ac(VHT80) CH58: 5290MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
5329.30	H	43.32	---	5.85	49.17	---	74	54	-4.83
5360.00	H	40.12	---	5.91	46.03	---	74	54	-7.97
5313.70	V	42.25	---	5.86	48.11	---	74	54	-5.89
5360.00	V	39.45	---	5.91	45.36	---	74	54	-8.64

11a CH100: 5500MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
5416.24	H	41.96	---	6.23	48.19	---	74	54	-5.81
5460.00	H	38.53	---	6.48	45.01	---	74	54	-8.99
5453.64	V	40.60	---	6.34	46.94	---	74	54	-7.06
5460.00	V	39.71	---	6.48	46.19	---	74	54	-7.81

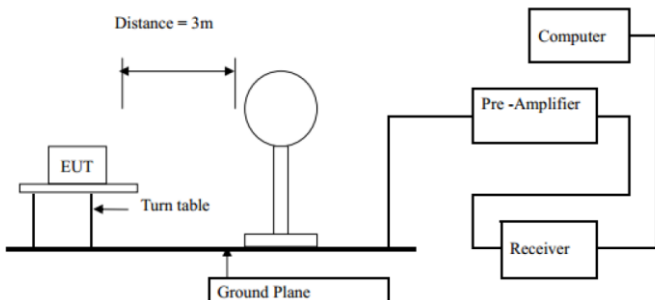
11n CH100: 5500MHz

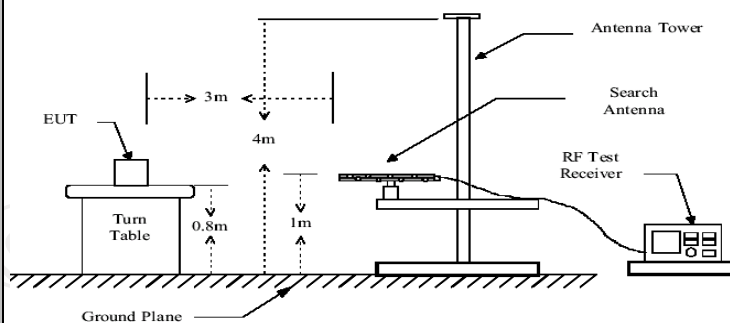
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
5423.60	H	40.22	---	6.25	46.47	---	74	54	-7.53
5460.00	H	37.35	---	6.48	43.83	---	74	54	-10.17
5446.40	V	41.87	---	6.31	48.18	---	74	54	-5.82

5460.00	V	39.81	---	6.48	46.29	---	74	54	-7.71
11n(HT40) CH102: 5510MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBuV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
5427.30	H	46.37	---	6.25	52.62	---	74	54	-1.38
5460.00	H	42.75	---	6.48	49.23	---	74	54	-4.77
5434.10	V	42.81	---	6.32	49.13	---	74	54	-4.87
5460.00	V	40.90	---	6.48	47.38	---	74	54	-6.62
11ac CH100: 5500MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBuV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
5435.40	H	41.54	---	6.29	47.83	---	74	54	-6.17
5460.00	H	38.73	---	6.48	45.21	---	74	54	-8.79
5428.64	V	40.89	---	6.25	47.14	---	74	54	-6.86
5460.00	V	39.74	---	6.48	46.22	---	74	54	-7.78
11ac(VHT40) CH102: 5510MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBuV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
5434.40	H	42.88	---	6.28	49.16	---	74	54	-4.84
5460.00	H	39.62	---	6.48	46.1	---	74	54	-7.9
5428.67	V	41.57	---	6.25	47.82	---	74	54	-6.18
5460.00	V	40.35	---	6.48	46.83	---	74	54	-7.17
11ac(VHT80) CH106: 5530MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBuV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
5423.62	H	42.31	---	6.21	48.52	---	74	54	-5.48
5460.00	H	39.66	---	6.48	46.14	---	74	54	-7.86
5442.70	V	41.45	---	6.36	47.81	---	74	54	-6.19
5460.00	V	39.79	---	6.48	46.27	---	74	54	-7.73

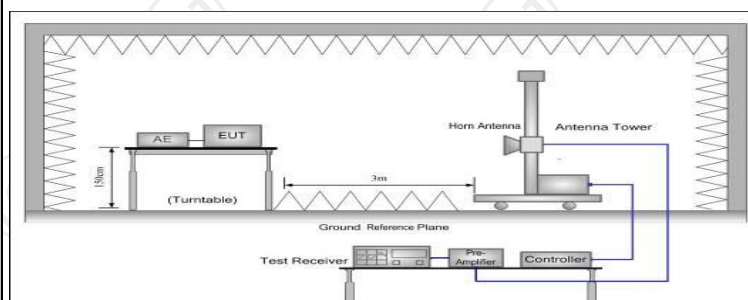
## 6.8.2. Unwanted Emissions out of the Restricted Bands

### 6.8.2.1. Test Specification

Test Requirement:	FCC CFR47 Part 15 Section 15.407 & 15.209 & 15.205				
Test Method:	KDB 789033 D02 v02r01				
Frequency Range:	9kHz to 40GHz				
Measurement Distance:	3 m				
Antenna Polarization:	Horizontal & Vertical				
Operation mode:	Transmitting mode with modulation				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value
	150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
Peak		1MHz	10Hz	Average Value	
Limit:	Unwanted spurious emissions fallen in restricted bands per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table,				
	Frequency	Field Strength (microvolts/meter)		Measurement Distance (meters)	
	0.009-0.490	2400/F(KHz)		300	
	0.490-1.705	24000/F(KHz)		30	
	1.705-30	30		30	
	30-88	100		3	
	88-216	150		3	
	216-960	200		3	
	Above 960	500		3	
	Frequency	Limit (dBuV/m @3m)		Detector	
Above 1G	74.0		Peak		
	54.0		Average		
Test setup:	For radiated emissions below 30MHz				
					
	30MHz to 1GHz				



Above 1GHz



### Test Procedure:

1. The EUT was placed on the top of a rotating table 0.8 meters 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 rotating 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.

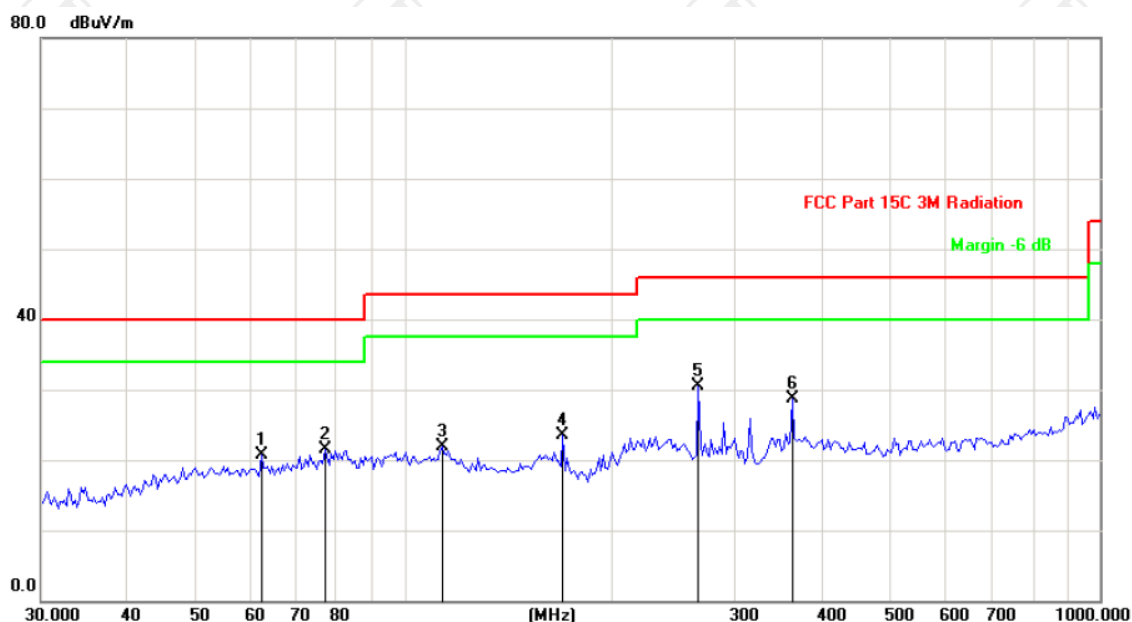
### Test results:

PASS

## 6.8.3. Test Data

Please refer to following diagram for individual  
Below 1GHz

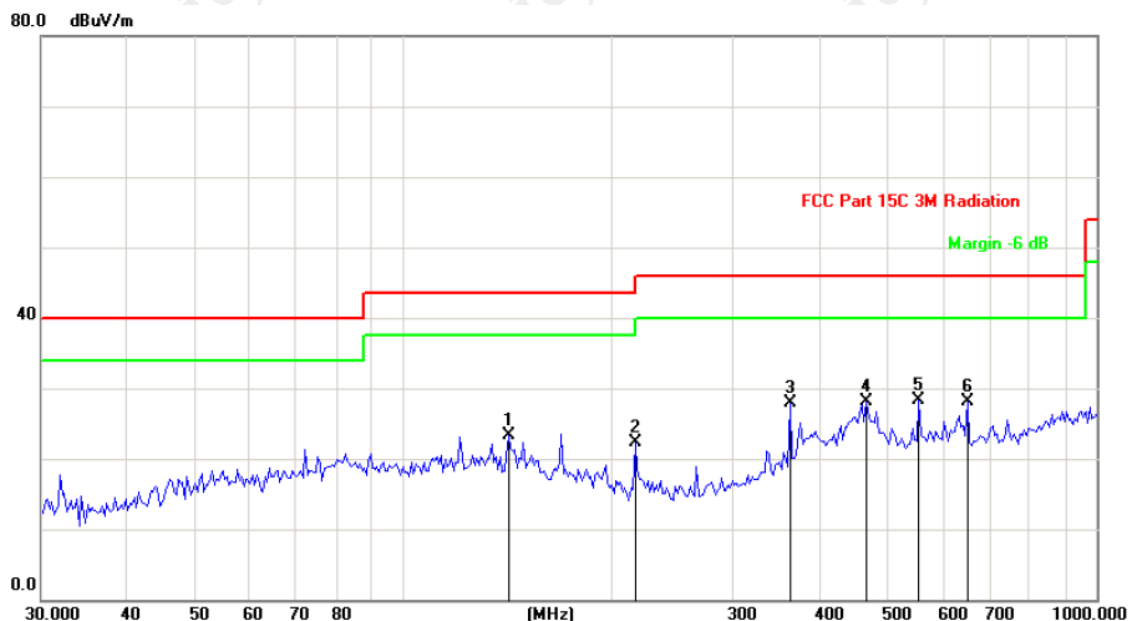
Horizontal:



Site: Polarization: **Horizontal** Temperature: 25  
Limit: FCC Part 15C 3M Radiation Power: Humidity: 55 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		62.3038	33.87	-13.12	20.75	40.00	-19.25	peak
2		76.9256	37.82	-16.38	21.44	40.00	-18.56	peak
3		113.2200	31.73	-9.73	22.00	43.50	-21.50	peak
4		168.9970	39.00	-15.41	23.59	43.50	-19.91	peak
5	*	264.9709	42.65	-12.07	30.58	46.00	-15.42	peak
6		360.9775	38.29	-9.53	28.76	46.00	-17.24	peak

Vertical:



Site: Polarization: **Vertical** Temperature: 25  
Limit: FCC Part 15C 3M Radiation Power: Humidity: 55 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		141.7694	39.33	-16.12	23.21	43.50	-20.29	peak
2		216.1197	35.78	-13.55	22.23	46.00	-23.77	peak
3		360.9775	37.44	-9.53	27.91	46.00	-18.09	peak
4		464.8867	36.07	-8.05	28.02	46.00	-17.98	peak
5	*	554.1708	35.28	-6.89	28.39	46.00	-17.61	peak
6		651.3831	33.74	-5.57	28.17	46.00	-17.83	peak

**Note:** 1. The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

2. Measurements were conducted in all three channels (high, middle, low) and all modulation (802.11a, 802.11n(HT20), 802.11n(HT40), 802.11ac(VHT20), 802.11ac(VHT40) 802.11ac(VHT80), and the worst case Mode (Lowest channel and 11a) was submitted only.

Modulation Type: Band 1									
11a CH36: 5180MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10360	H	40.70	---	8.02	48.72	---	74	54	-5.28
15540	H	42.87	---	9.87	52.74	---	74	54	-1.26
---	H	---	---	---	---	---	---	---	---
10360	V	39.70	---	8.02	47.72	---	74	54	-6.28
15540	V	42.17	---	9.87	52.04	---	74	54	-1.96
---	V	---	---	---	---	---	---	---	---
11a CH40: 5200MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10400	H	41.65	---	7.97	49.62	---	74	54	-4.38
15600	H	40.57	---	9.83	50.4	---	74	54	-3.6
---	H	---	---	---	---	---	---	---	---
10400	V	42.51	---	7.97	50.48	---	74	54	-3.52
15600	V	40.41	---	9.83	50.24	---	74	54	-3.76
---	V	---	---	---	---	---	---	---	---
11a CH48: 5240MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10480	H	40.74	---	7.97	48.71	---	74	54	-5.29
15720	H	41.90	---	9.83	51.73	---	74	54	-2.27
---	H	---	---	---	---	---	---	---	---
10480	V	41.89	---	7.97	49.86	---	74	54	-4.14
15720	V	39.11	---	9.83	48.94	---	74	54	-5.06
---	V	---	---	---	---	---	---	---	---
11n(HT20) CH36: 5180MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10360	H	41.55	---	8.02	49.57	---	74	54	-4.43
15540	H	42.39	---	9.87	52.26	---	74	54	-1.74
---	H	---	---	---	---	---	---	---	---
10360	V	41.09	---	8.02	49.11	---	74	54	-4.89
15540	V	39.87	---	9.87	49.74	---	74	54	-4.26
---	V	---	---	---	---	---	---	---	---
11n(HT20) CH40: 5200MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10400	H	40.14	---	7.97	48.11	---	74	54	-5.89
15600	H	41.62	---	9.83	51.45	---	74	54	-2.55
---	H	---	---	---	---	---	---	---	---
10400	V	43.52	---	7.97	51.49	---	74	54	-2.51
15600	V	40.96	---	9.83	50.79	---	74	54	-3.21
---	V	---	---	---	---	---	---	---	---
11n(HT20) CH48: 5240MHz									



Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10480	H	40.51	---	7.97	48.48	---	74	54	-5.52
15720	H	39.45	---	9.83	49.28	---	74	54	-4.72
---	H	---	---	---	---	---	---	---	---
10480	V	41.15	---	7.97	49.12	---	74	54	-4.88
15720	V	40.71	---	9.83	50.54	---	74	54	-3.46
---	V	---	---	---	---	---	---	---	---

11n(HT40)CH38: 5190MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10380	H	42.46	---	7.75	50.21	---	74	54	-3.79
15570	H	42.23	---	9.87	52.1	---	74	54	-1.9
---	H	---	---	---	---	---	---	---	---
10380	V	41.63	---	7.75	49.38	---	74	54	-4.62
15570	V	40.58	---	9.87	50.45	---	74	54	-3.55
---	V	---	---	---	---	---	---	---	---

11n(HT40)CH46: 5230MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10460	H	42.81	---	7.97	50.78	---	74	54	-3.22
15690	H	40.72	---	9.83	50.55	---	74	54	-3.45
---	H	---	---	---	---	---	---	---	---
10460	V	43.69	---	7.97	51.66	---	74	54	-2.34
15690	V	41.55	---	9.83	51.38	---	74	54	-2.62
---	V	---	---	---	---	---	---	---	---

11ac(VHT20) CH36: 5180MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10360	H	43.39	---	8.02	51.41	---	74	54	-2.59
15540	H	42.44	---	9.87	52.31	---	74	54	-1.69
---	H	---	---	---	---	---	---	---	---
10360	V	40.98	---	8.02	49	---	74	54	-5
15540	V	42.41	---	9.87	52.28	---	74	54	-1.72
---	V	---	---	---	---	---	---	---	---

11ac(VHT20) CH40: 5200MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10400	H	42.36	---	7.97	50.33	---	74	54	-3.67
15600	H	41.96	---	9.83	51.79	---	74	54	-2.21
---	H	---	---	---	---	---	---	---	---
10400	V	41.26	---	7.97	49.23	---	74	54	-4.77
15600	V	40.80	---	9.83	50.63	---	74	54	-3.37
---	V	---	---	---	---	---	---	---	---



11ac(VHT20) CH48: 5240MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10480	H	39.17	---	7.97	47.14	---	74	54	-6.86
15720	H	42.7	---	9.83	52.53	---	74	54	-1.47
---	H	---	---	---	---	---	---	---	---
10480	V	41.74	---	7.97	49.71	---	74	54	-4.29
15720	V	42.69	---	9.83	52.52	---	74	54	-1.48
---	V	---	---	---	---	---	---	---	---
11ac(VHT40) CH38: 5190MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10380	H	43.51	---	7.75	51.26	---	74	54	-2.74
15570	H	41.8	---	9.87	51.67	---	74	54	-2.33
---	H	---	---	---	---	---	---	---	---
10380	V	40.75	---	7.75	48.5	---	74	54	-5.5
15570	V	42.81	---	9.87	52.68	---	74	54	-1.32
---	V	---	---	---	---	---	---	---	---
11ac(VHT40) CH46: 5230MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10460	H	41.60	---	7.97	49.57	---	74	54	-4.43
15690	H	42.10	---	9.83	51.93	---	74	54	-2.07
---	H	---	---	---	---	---	---	---	---
10460	V	42.83	---	7.97	50.8	---	74	54	-3.2
15690	V	40.75	---	9.83	50.58	---	74	54	-3.42
---	V	---	---	---	---	---	---	---	---
11ac(VHT80) CH42:5210									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10420	H	42.21	---	7.96	50.17	---	74	54	-3.83
15630	H	41.57	---	9.84	51.41	---	74	54	-2.59
---	H	---	---	---	---	---	---	---	---
10420	V	42.35	---	7.96	50.31	---	74	54	-3.69
15630	V	41.44	---	9.84	51.28	---	74	54	-2.72
---	V	---	---	---	---	---	---	---	---

**Note:**

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier
2. Margin (dB) = Emission Level (Peak) (dBμV/m)-Average limit (dBμV/m)
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 40GHz.
5. Data of measurement shown "----" in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.

Modulation Type: Band 2A									
11a CH52: 5260MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10520	H	40.30	---	7.97	48.27	---	74	54	-5.73
15780	H	41.51	---	9.83	51.34	---	74	54	-2.66
---	H	---	---	---	---	---	---	---	---
10520	V	43.96	---	7.97	51.93	---	74	54	-2.07
15780	V	41.16	---	9.83	50.99	---	74	54	-3.01
---	V	---	---	---	---	---	---	---	---
11a CH60: 5300MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10600	H	41.24	---	7.98	49.22	---	74	54	-4.78
15900	H	40.86	---	9.85	50.71	---	74	54	-3.29
---	H	---	---	---	---	---	---	---	---
10600	V	41.87	---	7.98	49.85	---	74	54	-4.15
15900	V	40.38	---	9.85	50.23	---	74	54	-3.77
---	V	---	---	---	---	---	---	---	---
11a CH64: 5320MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10640	H	42.60	---	7.98	50.58	---	74	54	-3.42
15960	H	41.52	---	9.85	51.37	---	74	54	-2.63
---	H	---	---	---	---	---	---	---	---
10640	V	43.61	---	7.98	51.59	---	74	54	-2.41
15960	V	43.35	---	9.85	53.2	---	74	54	-0.8
---	V	---	---	---	---	---	---	---	---
11n(HT20) C52: 5260MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10520	H	42.85	---	7.97	50.82	---	74	54	-3.18
15780	H	41.96	---	9.83	51.79	---	74	54	-2.21
---	H	---	---	---	---	---	---	---	---
10520	V	40.64	---	7.97	48.61	---	74	54	-5.39
15780	V	42.32	---	9.83	52.15	---	74	54	-1.85
---	V	---	---	---	---	---	---	---	---
11n(HT20) CH60: 5300MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10600	H	41.48	---	7.98	49.46	---	74	54	-4.54
15900	H	40.30	---	9.85	50.15	---	74	54	-3.85
---	H	---	---	---	---	---	---	---	---
10600	V	42.34	---	7.98	50.32	---	74	54	-3.68
15900	V	41.63	---	9.85	51.48	---	74	54	-2.52
---	V	---	---	---	---	---	---	---	---
11n(HT20) CH64: 5320MHz									

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10640	H	40.55	---	7.98	48.53	---	74	54	-5.47
15960	H	41.63	---	9.85	51.48	---	74	54	-2.52
---	H	---	---	---	---	---	---	---	---
10640	V	42.05	---	7.98	50.03	---	74	54	-3.97
15960	V	40.99	---	9.85	50.84	---	74	54	-3.16
---	V	---	---	---	---	---	---	---	---

## 11n(HT40)CH54: 5270MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10540	H	43.01	---	7.97	50.98	---	74	54	-3.02
15810	H	41.41	---	9.83	51.24	---	74	54	-2.76
---	H	---	---	---	---	---	---	---	---
10540	V	40.30	---	7.97	48.27	---	74	54	-5.73
15810	V	42.05	---	9.83	51.88	---	74	54	-2.12
---	V	---	---	---	---	---	---	---	---

## 11n(HT40)CH62: 5310MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10620	H	42.59	---	7.98	50.57	---	74	54	-3.43
15930	H	42.68	---	9.85	52.53	---	74	54	-1.47
---	H	---	---	---	---	---	---	---	---
10620	V	40.37	---	7.98	48.35	---	74	54	-5.65
15930	V	42.10	---	9.85	51.95	---	74	54	-2.05
---	V	---	---	---	---	---	---	---	---

## 11ac(VHT20) C52: 5260MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10520	H	41.21	---	7.97	49.18	---	74	54	-4.82
15780	H	40.68	---	9.83	50.51	---	74	54	-3.49
---	H	---	---	---	---	---	---	---	---
10520	V	42.32	---	7.97	50.29	---	74	54	-3.71
15780	V	42.11	---	9.83	51.94	---	74	54	-2.06
---	V	---	---	---	---	---	---	---	---

## 11ac(VHT20) CH60: 5300MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10600	H	40.89	---	7.98	48.87	---	74	54	-5.13
15900	H	41.73	---	9.85	51.58	---	74	54	-2.42
---	H	---	---	---	---	---	---	---	---
10600	V	39.87	---	7.98	47.85	---	74	54	-6.15
15900	V	38.70	---	9.85	48.55	---	74	54	-5.45
---	V	---	---	---	---	---	---	---	---

11ac(VHT20) CH64: 5320MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10640	H	42.96	---	7.98	50.94	---	74	54	-3.06
15960	H	40.68	---	9.85	50.53	---	74	54	-3.47
---	H	---	---	---	---	---	---	---	---
10640	V	41.96	---	7.98	49.94	---	74	54	-4.06
15960	V	42.31	---	9.85	52.16	---	74	54	-1.84
---	V	---	---	---	---	---	---	---	---
11ac(VHT40) CH54: 5270MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10540	H	42.45	---	7.97	50.42	---	74	54	-3.58
15810	H	39.68	---	9.83	49.51	---	74	54	-4.49
---	H	---	---	---	---	---	---	---	---
10540	V	41.83	---	7.97	49.8	---	74	54	-4.2
15810	V	40.55	---	9.83	50.38	---	74	54	-3.62
---	V	---	---	---	---	---	---	---	---
11ac(VHT40) CH60: 5310MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10620	H	41.09	---	7.98	49.07	---	74	54	-4.93
15930	H	42.12	---	9.85	51.97	---	74	54	-2.03
---	H	---	---	---	---	---	---	---	---
10620	V	40.90	---	7.98	48.88	---	74	54	-5.12
15930	V	39.61	---	9.85	49.46	---	74	54	-4.54
---	V	---	---	---	---	---	---	---	---
11ac(VHT80) C58:5290									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10580	H	42.39	---	7.98	50.37	---	74	54	-3.63
15870	H	42.51	---	9.85	52.36	---	74	54	-1.64
---	H	---	---	---	---	---	---	---	---
10580	V	43.80	---	7.98	51.78	---	74	54	-2.22
15870	V	42.12	---	9.85	51.97	---	74	54	-2.03
---	V	---	---	---	---	---	---	---	---

**Note:**

- Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier
- Margin (dB) = Emission Level (Peak) (dBμV/m)-Average limit (dBμV/m)
- The emission levels of other frequencies are very lower than the limit and not show in test report.
- Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 40GHz.
- Data of measurement shown “---“in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.

Modulation Type: Band 2C									
11a CH100: 5500MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11000	H	40.64	---	8.03	48.67	---	74	54	-5.33
16500	H	41.79	---	9.76	51.55	---	74	54	-2.45
---	H	---	---	---	---	---	---	---	---
11000	V	42.97	---	8.03	51	---	74	54	-3
16500	V	41.50	---	9.76	51.26	---	74	54	-2.74
---	V	---	---	---	---	---	---	---	---
11a CH120: 5600MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11200	H	41.83	---	8.04	49.87	---	74	54	-4.13
16800	H	42.66	---	9.74	52.4	---	74	54	-1.6
---	H	---	---	---	---	---	---	---	---
11200	V	40.75	---	8.04	48.79	---	74	54	-5.21
16800	V	41.90	---	9.74	51.64	---	74	54	-2.36
---	V	---	---	---	---	---	---	---	---
11a CH144: 5720MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11440	H	40.59	---	8.05	48.64	---	74	54	-5.36
17160	H	42.63	---	9.72	52.35	---	74	54	-1.65
---	H	---	---	---	---	---	---	---	---
11440	V	41.58	---	8.05	49.63	---	74	54	-4.37
17160	V	42.26	---	9.72	51.98	---	74	54	-2.02
---	V	---	---	---	---	---	---	---	---
11n(HT20) CH100: 5500MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11000	H	41.92	---	8.03	49.95	---	74	54	-4.05
16500	H	40.66	---	9.76	50.42	---	74	54	-3.58
---	H	---	---	---	---	---	---	---	---
11000	V	40.97	---	8.03	49	---	74	54	-5
16500	V	43.01	---	9.76	52.77	---	74	54	-1.23
---	V	---	---	---	---	---	---	---	---
11n(HT20) CH120: 5600MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11200	H	41.24	---	8.04	49.28	---	74	54	-4.72
16800	H	42.81	---	9.74	52.55	---	74	54	-1.45
---	H	---	---	---	---	---	---	---	---
11200	V	40.83	---	8.04	48.87	---	74	54	-5.13
16800	V	41.65	---	9.74	51.39	---	74	54	-2.61
---	V	---	---	---	---	---	---	---	---
11n(HT20) CH144: 5720MHz									

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11440	H	41.88	---	8.05	49.93	---	74	54	-4.07
17160	H	42.68	---	9.72	52.4	---	74	54	-1.6
---	H	---	---	---	---	---	---	---	---
11440	V	43.51	---	8.05	51.56	---	74	54	-2.44
17160	V	42.57	---	9.72	52.29	---	74	54	-1.71
---	V	---	---	---	---	---	---	---	---

## 11n(HT40)CH102: 5510MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11020	H	40.43	---	8.03	48.46	---	74	54	-5.54
16530	H	42.10	---	9.76	51.86	---	74	54	-2.14
---	H	---	---	---	---	---	---	---	---
11020	V	41.36	---	8.03	49.39	---	74	54	-4.61
16530	V	43.29	---	9.76	53.05	---	74	54	-0.95
---	V	---	---	---	---	---	---	---	---

## 11n(HT40)CH118: 5590MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11180	H	41.53	---	8.04	49.57	---	74	54	-4.43
16770	H	40.71	---	9.74	50.45	---	74	54	-3.55
---	H	---	---	---	---	---	---	---	---
11180	V	40.10	---	8.04	48.14	---	74	54	-5.86
16770	V	42.93	---	9.74	52.67	---	74	54	-1.33
---	V	---	---	---	---	---	---	---	---

## 11n(HT40) CH142: 5710MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11420	H	42.44	---	8.05	50.49	---	74	54	-3.51
17130	H	43.50	---	9.72	53.22	---	74	54	-0.78
---	H	---	---	---	---	---	---	---	---
11420	V	41.47	---	8.05	49.52	---	74	54	-4.48
17130	V	39.85	---	9.72	49.57	---	74	54	-4.43
---	V	---	---	---	---	---	---	---	---

## 11ac(VHT20) CH100: 5500MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11000	H	40.43	---	8.03	48.46	---	74	54	-5.54
16500	H	41.35	---	9.76	51.11	---	74	54	-2.89
---	H	---	---	---	---	---	---	---	---
11000	V	40.80	---	8.03	48.83	---	74	54	-5.17
16500	V	41.70	---	9.76	51.46	---	74	54	-2.54
---	V	---	---	---	---	---	---	---	---



11ac(VHT20) CH120: 5600MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11200	H	42.11	---	8.04	50.15	---	74	54	-3.85
16800	H	41.84	---	9.74	51.58	---	74	54	-2.42
---	H	---	---	---	---	---	---	---	---
11200	V	40.74	---	8.04	48.78	---	74	54	-5.22
16800	V	41.45	---	9.74	51.19	---	74	54	-2.81
---	V	---	---	---	---	---	---	---	---
11ac(VHT20) CH144: 5720MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11440	H	41.98	---	8.05	50.03	---	74	54	-3.97
17160	H	41.32	---	9.72	51.04	---	74	54	-2.96
---	H	---	---	---	---	---	---	---	---
11440	V	42.81	---	8.05	50.86	---	74	54	-3.14
17160	V	41.47	---	9.72	51.19	---	74	54	-2.81
---	V	---	---	---	---	---	---	---	---
11ac(VHT40) CH102: 5510MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11020	H	40.75	---	8.03	48.78	---	74	54	-5.22
16530	H	41.60	---	9.76	51.36	---	74	54	-2.64
---	H	---	---	---	---	---	---	---	---
11020	V	42.57	---	8.03	50.6	---	74	54	-3.4
16530	V	40.46	---	9.76	50.22	---	74	54	-3.78
---	V	---	---	---	---	---	---	---	---
11ac(VHT40) CH118:5590									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11180	H	40.67	---	8.04	48.71	---	74	54	-5.29
16770	H	39.01	---	9.74	48.75	---	74	54	-5.25
---	H	---	---	---	---	---	---	---	---
11180	V	40.79	---	8.04	48.83	---	74	54	-5.17
16770	V	39.64	---	9.74	49.38	---	74	54	-4.62
---	V	---	---	---	---	---	---	---	---
11ac(VHT40) CH142: 5710MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11420	H	39.34	---	8.05	47.39	---	74	54	-6.61
17130	H	37.65	---	9.72	47.37	---	74	54	-6.63
---	H	---	---	---	---	---	---	---	---
11420	V	40.26	---	8.05	48.31	---	74	54	-5.69
17130	V	41.43	---	9.72	51.15	---	74	54	-2.85
---	V	---	---	---	---	---	---	---	---



11ac(VHT80) CH106: 5530MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBuV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11060	H	40.53	---	8.03	48.56	---	74	54	-5.44
16590	H	42.10	---	9.75	51.85	---	74	54	-2.15
---	H	---	---	---	---	---	---	---	---
11060	V	41.14	---	8.03	49.17	---	74	54	-4.83
16590	V	42.29	---	9.75	52.04	---	74	54	-1.96
---	V	---	---	---	---	---	---	---	---
11a(HT80) CH138: 5690MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBuV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11380	H	41.87	---	8.05	49.92	---	74	54	-4.08
17070	H	39.40	---	9.72	49.12	---	74	54	-4.88
---	H	---	---	---	---	---	---	---	---
11380	V	40.85	---	8.05	48.9	---	74	54	-5.1
17070	V	40.93	---	9.72	50.65	---	74	54	-3.35
---	V	---	---	---	---	---	---	---	---

**Note:**

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier
2. Margin (dB) = Emission Level (Peak) (dBμV/m)-Average limit (dBμV/m)
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 40GHz.
5. Data of measurement shown “---“in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.

Modulation Type: Band 3									
11a(HT20) CH149: 5745MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11490	H	40.25	---	8.09	48.34	---	74	54	-5.66
17235	H	39.65	---	9.67	49.32	---	74	54	-4.68
---	H	---	---	---	---	---	---	---	---
11490	V	42.37	---	8.09	50.46	---	74	54	-3.54
17235	V	42.8	---	9.67	52.47	---	74	54	-1.53
---	V	---	---	---	---	---	---	---	---

11a(HT20) CH157: 5785MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11570	H	42.08	---	8.1	50.18	---	74	54	-3.82
17355	H	41.15	---	9.65	50.8	---	74	54	-3.2
---	H	---	---	---	---	---	---	---	---
11570	V	40.69	---	8.1	48.79	---	74	54	-5.21
17355	V	41.81	---	9.65	51.46	---	74	54	-2.54
---	V	---	---	---	---	---	---	---	---

11a(HT20) CH161: 5825MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11650	H	40.11	---	8.12	48.23	---	74	54	-5.77
17475	H	39.12	---	9.62	48.74	---	74	54	-5.26
---	H	---	---	---	---	---	---	---	---
11650	V	41.46	---	8.12	49.58	---	74	54	-4.42
17475	V	40.89	---	9.62	50.51	---	74	54	-3.49
---	V	---	---	---	---	---	---	---	---

11n(HT20) CH151: 5745MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11510	H	41.65	---	8.09	49.74	---	74	54	-4.26
17265	H	40.51	---	9.67	50.18	---	74	54	-3.82
---	H	---	---	---	---	---	---	---	---
11510	V	42.16	---	8.09	50.25	---	74	54	-3.75
17265	V	40.83	---	9.67	50.5	---	74	54	-3.5
---	V	---	---	---	---	---	---	---	---

11n(HT20) CH157: 5785MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11570	H	41.42	---	8.1	49.52	---	74	54	-4.48
17355	H	42.38	---	9.65	52.03	---	74	54	-1.97
---	H	---	---	---	---	---	---	---	---
11570	V	40.97	---	8.1	49.07	---	74	54	-4.93
17355	V	40.66	---	9.65	50.31	---	74	54	-3.69
---	V	---	---	---	---	---	---	---	---

11n(HT20) CH165: 5825MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11650	H	40.78	---	8.12	48.9	---	74	54	-5.1
17475	H	39.53	---	9.62	49.15	---	74	54	-4.85
---	H	---	---	---	---	---	---	---	---
11650	V	43.75	---	8.12	51.87	---	74	54	-2.13
17475	V	41.67	---	9.62	51.29	---	74	54	-2.71
---	V	---	---	---	---	---	---	---	---

11n(HT40) CH151: 5755MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11510	H	42.68	---	8.09	50.77	---	74	54	-3.23
17265	H	43.49	---	9.67	53.16	---	74	54	-0.84
---	H	---	---	---	---	---	---	---	---
11510	V	42.83	---	8.09	50.92	---	74	54	-3.08
17265	V	41.33	---	9.67	51	---	74	54	-3
---	V	---	---	---	---	---	---	---	---

11n(HT40) CH159: 5795MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11590	H	41.40	---	8.1	49.5	---	74	54	-4.5
17385	H	42.65	---	9.65	52.3	---	74	54	-1.7
---	H	---	---	---	---	---	---	---	---
11590	V	41.16	---	8.1	49.26	---	74	54	-4.74
17385	V	39.88	---	9.65	49.53	---	74	54	-4.47
---	V	---	---	---	---	---	---	---	---

11ac(VHT40) CH149: 5745MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11490	H	42.51	---	8.09	50.6	---	74	54	-3.4
17235	H	42.90	---	9.67	52.57	---	74	54	-1.43
---	H	---	---	---	---	---	---	---	---
11490	V	41.72	---	8.09	49.81	---	74	54	-4.19

17235	V	43.55	---	9.67	53.22	---	74	54	-0.78
---	V	---	---	---	---	---	---	---	---

11ac(VHT20) CH157: 5785MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11570	H	40.71	---	8.1	48.81	---	74	54	-5.19
17355	H	38.59	---	9.65	48.24	---	74	54	-5.76
---	H	---	---	---	---	---	---	---	---
11570	V	39.95	---	8.1	48.05	---	74	54	-5.95
17355	V	40.50	---	9.65	50.15	---	74	54	-3.85
---	V	---	---	---	---	---	---	---	---

11ac(VHT20) CH165: 5825MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11650	H	41.99	---	8.12	50.11	---	74	54	-3.89
17475	H	40.22	---	9.62	49.84	---	74	54	-4.16
---	H	---	---	---	---	---	---	---	---
11650	V	41.26	---	8.12	49.38	---	74	54	-4.62
17475	V	42.75	---	9.62	52.37	---	74	54	-1.63
---	V	---	---	---	---	---	---	---	---

11ac(VHT40) CH151: 5755MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11510	H	41.36	---	8.09	49.45	---	74	54	-4.55
17265	H	39.85	---	9.67	49.52	---	74	54	-4.48
---	H	---	---	---	---	---	---	---	---
11510	V	42.42	---	8.09	50.51	---	74	54	-3.49
17265	V	39.44	---	9.67	49.11	---	74	54	-4.89
---	V	---	---	---	---	---	---	---	---

11ac(VHT40) CH159: 5795MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11590	H	41.62	---	8.1	49.72	---	74	54	-4.28
17385	H	39.67	---	9.65	49.32	---	74	54	-4.68
---	H	---	---	---	---	---	---	---	---
11590	V	42.86	---	8.1	50.96	---	74	54	-3.04
17385	V	41.60	---	9.65	51.25	---	74	54	-2.75
---	V	---	---	---	---	---	---	---	---

11ac(VHT80) CH155: 5775MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11550	H	41.36	---	8.09	49.45	---	74	54	-4.55
17325	H	42.85	---	9.66	52.51	---	74	54	-1.49
---	H	---	---	---	---	---	---	---	---

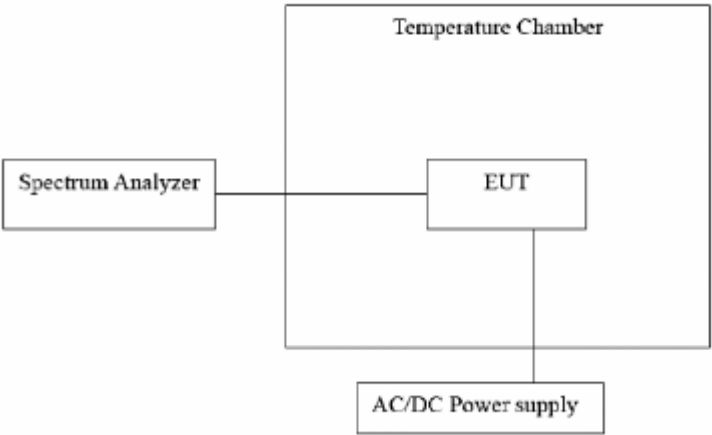
11550	V	42.66	---	8.09	50.75	---	74	54	-3.25
17325	V	40.41	---	9.66	50.07	---	74	54	-3.93
---	V	---	---	---	---	---	---	---	---

**Note:**

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier
2. Margin (dB) = Emission Level (Peak) (dBμV/m)-Average limit (dBμV/m)
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 40GHz.
5. Data of measurement shown “---“in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.

## 6.9. Frequency Stability Measurement

### 6.9.1. Test Specification

<b>Test Requirement:</b>	FCC Part15 Section 15.407(g) &Part2 J Section 2.1055
<b>Test Method:</b>	ANSI C63.10: 2013
<b>Limit:</b>	The frequency tolerance shall be maintained within the band of operation frequency over a temperature variation of 0 degrees to 45 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.
<b>Test Setup:</b>	 <pre> graph LR     SA[Spectrum Analyzer] --- EUT[EUT]     EUT --- PWS[AC/DC Power supply]     EUT --- TC[Temperature Chamber]     PWS --- TC     </pre>
<b>Test Procedure:</b>	The EUT was placed inside the environmental test chamber and powered by nominal AC/DC voltage. b. Turn the EUT on and couple its output to a spectrum analyzer. c. Turn the EUT off and set the chamber to the highest temperature specified. d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize. e. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature. f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.
<b>Test Result:</b>	PASS
<b>Remark:</b>	Pre-scan was performed at Antenna 0 and Antenna 1, the worst case was found. Only the test data of Antenna 0 was shown in this report.

Test plots as follows:

Test mode:		802.11ac(VHT20)	Frequency(MHz):	5180
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(Hz)	Result
45	5V	5180.0092	9200	PASS
35		5180.0064	6400	PASS
25		5179.9878	-12200	PASS
15		5179.9983	-1700	PASS
5		5180.0038	3800	PASS
0		5180.0042	4200	PASS
20	4.75	5179.9831	-16900	PASS
	5	5180.0034	3400	PASS
	5.25	5179.9825	-17500	PASS

Test mode:		802.11ac(VHT20)	Frequency(MHz):	5200
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(Hz)	Result
45	5V	5200.0090	9000	PASS
35		5200.0089	8900	PASS
25		5200.0078	7800	PASS
15		5200.0043	4300	PASS
5		5199.9980	-2000	PASS
0		5199.9879	-12100	PASS
20	4.75	5199.9957	-4300	PASS
	5	5200.0031	3100	PASS
	5.25	5200.0053	5300	PASS

Test mode:		802.11ac(VHT20)	Frequency(MHz):	5240
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(Hz)	Result
45	5V	5240.0043	4300	PASS
35		5240.0029	2900	PASS
25		5240.0024	2400	PASS
15		5239.9991	-900	PASS
5		5239.9983	-1700	PASS
0		5239.9979	-2100	PASS
20	4.75	5240.0035	3500	PASS
	5	5240.0010	1000	PASS
	5.25	5239.9985	-1500	PASS



Test mode:		802.11ac(VHT20)	Frequency(MHz):	5745
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(Hz)	Result
45	5V	5745.0012	1200	PASS
35		5745.0014	1400	PASS
25		5744.9960	-4000	PASS
15		5744.9955	-4500	PASS
5		5745.0033	3300	PASS
0		5745.0041	4100	PASS
20	4.75	5745.0076	7600	PASS
	5	5745.0071	7100	PASS
	5.25	5745.0021	2100	PASS

Test mode:		802.11ac(VHT20)	Frequency(MHz):	5785
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(Hz)	Result
45	5V	5785.0083	8300	PASS
35		5785.0030	3000	PASS
25		5785.0028	2800	PASS
15		5785.0008	800	PASS
5		5785.0025	2500	PASS
0		5785.0043	4300	PASS
20	4.75	5785.0057	5700	PASS
	5	5785.0026	2600	PASS
	5.25	5784.9975	-2500	PASS

Test mode:		802.11ac(VHT20)	Frequency(MHz):	5825
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(Hz)	Result
45	5V	5824.9813	-18700	PASS
35		5825.0081	8100	PASS
25		5824.9953	-4700	PASS
15		5824.9985	-1500	PASS
5		5825.0015	1500	PASS
0		5825.0046	4600	PASS
20	4.75	5825.0042	4200	PASS
	5	5824.9987	-1300	PASS
	5.25	5825.0024	2400	PASS

Test mode:		802.11ac(VHT40)	Frequency(MHz):	5190
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(Hz)	Result
45	5V	5190.0127	12700	PASS
35		5190.0110	11000	PASS
25		5190.0104	10400	PASS
15		5190.0035	3500	PASS
5		5190.0062	6200	PASS
0		5190.0078	7800	PASS
20	4.75	5189.9910	-9000	PASS
	5	5189.9978	-2200	PASS
	5.25	5190.0042	4200	PASS

Test mode:		802.11ac(VHT40)	Frequency(MHz):	5230
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(Hz)	Result
45	5V	5230.0128	12800	PASS
35		5230.0120	12000	PASS
25		5230.0099	9900	PASS
15		5229.9988	-1200	PASS
5		5229.9981	-1900	PASS
0		5230.0052	5200	PASS
20	4.75	5230.0042	4200	PASS
	5	5230.0029	2900	PASS
	5.25	5229.9978	-2200	PASS

Test mode:		802.11ac(VHT40)	Frequency(MHz):	5755
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(Hz)	Result
45	5V	5755.0273	27300	PASS
35		5755.0120	12000	PASS
25		5755.0117	11700	PASS
15		5755.0096	9600	PASS
5		5755.0035	3500	PASS
0		5755.0075	7500	PASS
20	4.75	5755.0046	4600	PASS
	5	5755.0032	3200	PASS
	5.25	5755.0063	6300	PASS

Test mode:		802.11ac(VHT40)	Frequency(MHz):	5795
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(Hz)	Result
45	5V	5794.9802	-19800	PASS
35		5794.9843	-15700	PASS
25		5795.0045	4500	PASS
15		5795.0032	3200	PASS
5		5795.0029	2900	PASS
0		5795.0066	6600	PASS
20	4.75	5795.0051	5100	PASS
	5	5794.9983	-1700	PASS
	5.25	5795.0086	8600	PASS

## Appendix A: Photographs of Test Setup

Refer to test report TCT190312E019

## Appendix B: Photographs of EUT

Refer to test report TCT190312E019

\*\*\*\*\*END OF REPORT\*\*\*\*\*