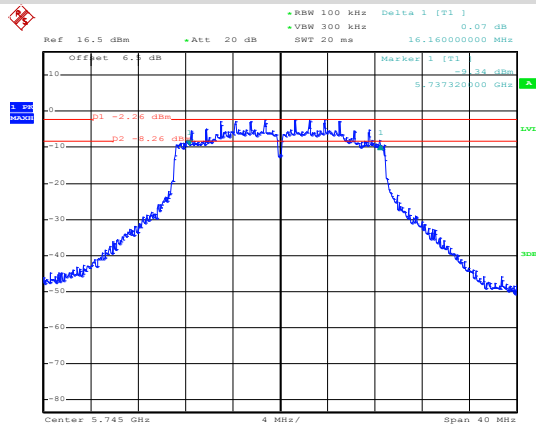


ANT1

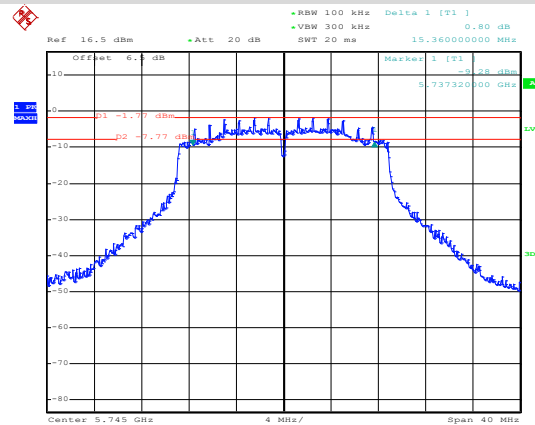
802.11n(HT20)
6dB BW

ANT2



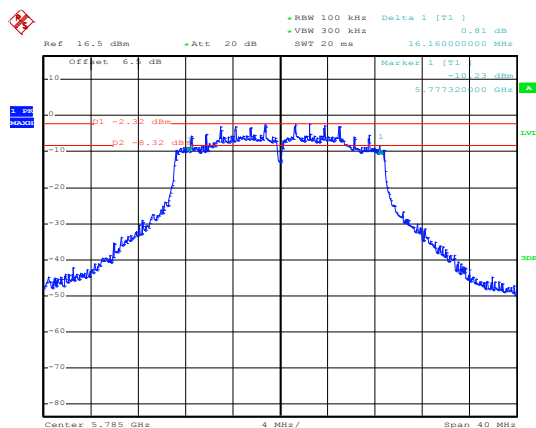
Date: 15.JUL.2020 09:11:06

Lowest channel



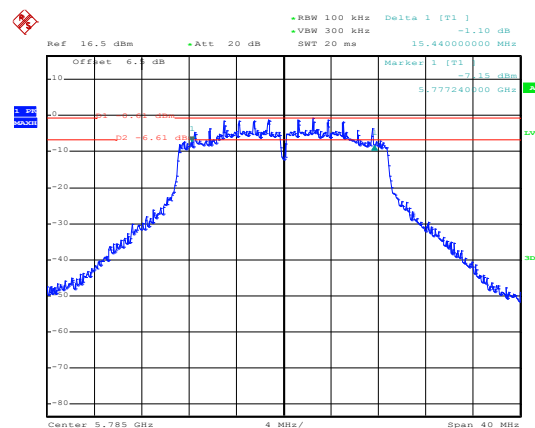
Date: 14.JUL.2020 20:29:49

Lowest channel



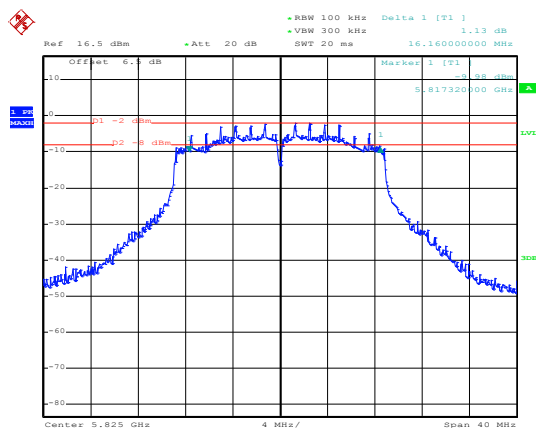
Date: 15.JUL.2020 09:11:42

Middle channel



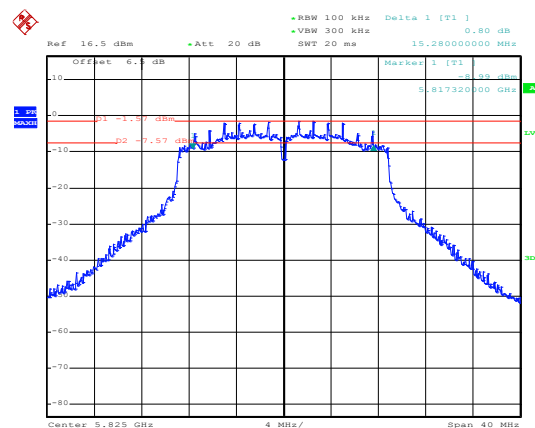
Date: 14.JUL.2020 20:30:41

Middle channel



Date: 15.JUL.2020 09:12:13

Highest channel



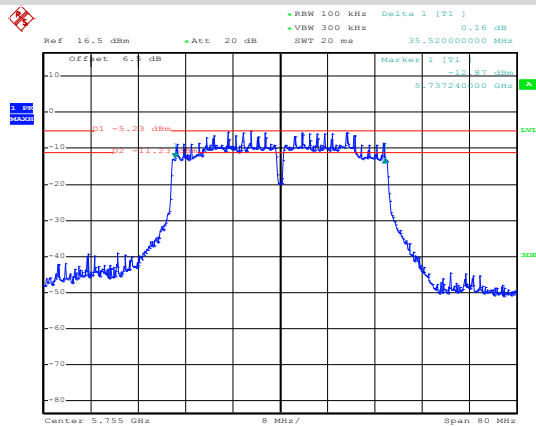
Date: 14.JUL.2020 20:31:19

Highest channel

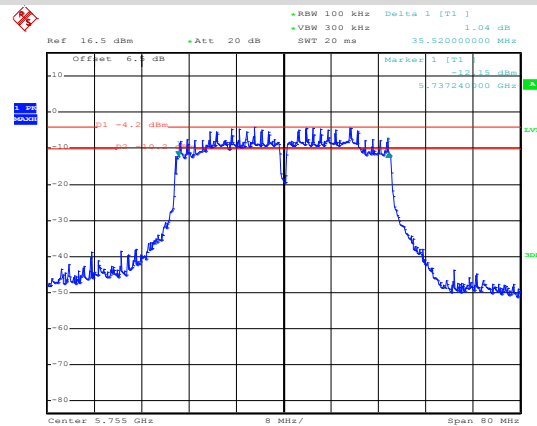
ANT1

802.11n(HT40)
6dB BW

ANT2



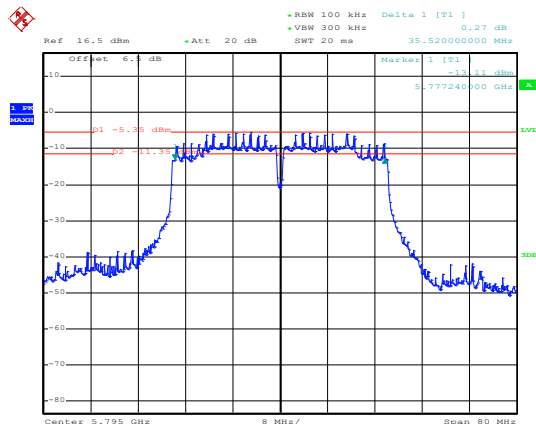
Date: 15.JUL.2020 09:09:56



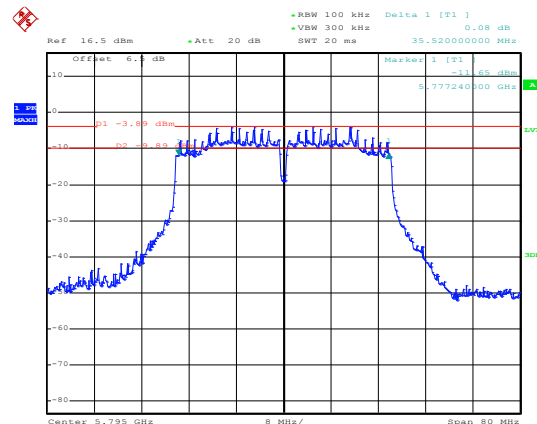
Date: 14.JUL.2020 20:28:54

Lowest channel

Lowest channel



Date: 15.JUL.2020 09:09:10



Date: 14.JUL.2020 20:28:03

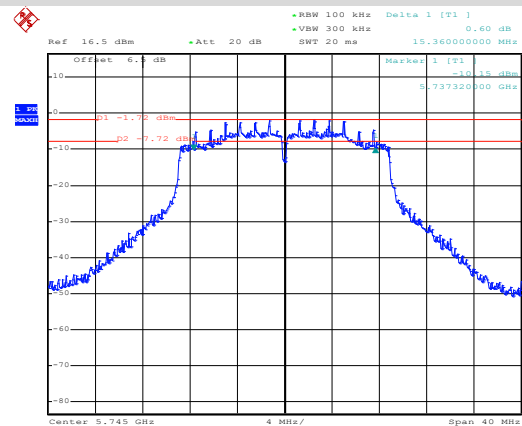
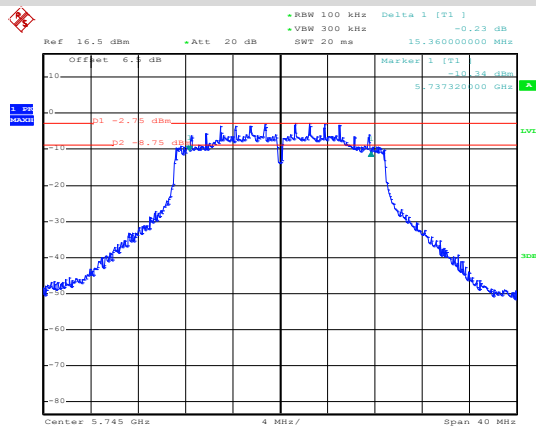
Highest channel

Highest channel

ANT1

ANT2

802.11ac(HT20)
6dB BW

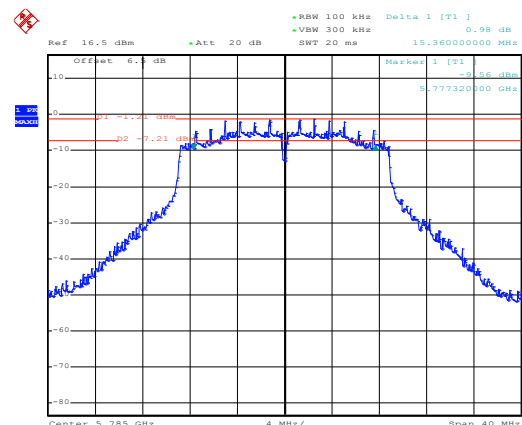
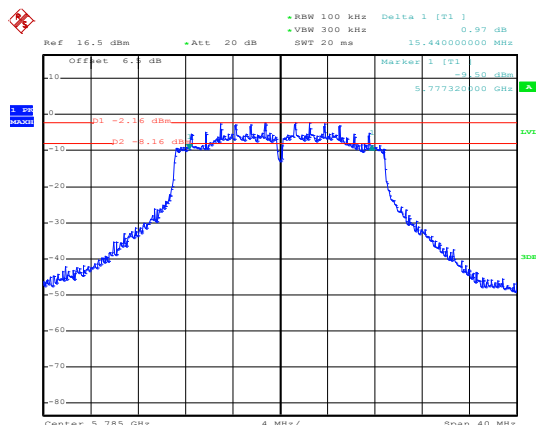


Date: 15.JUL.2020 09:14:24

Date: 14.JUL.2020 20:33:16

Lowest channel

Lowest channel

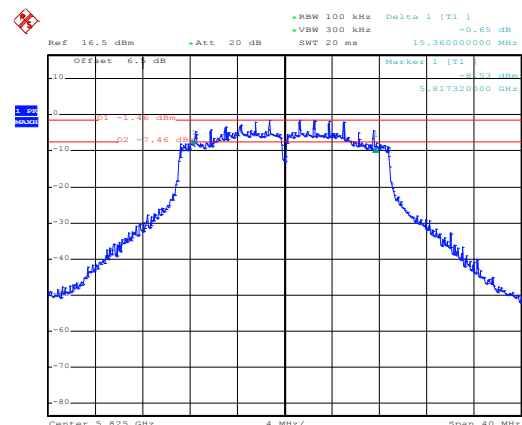
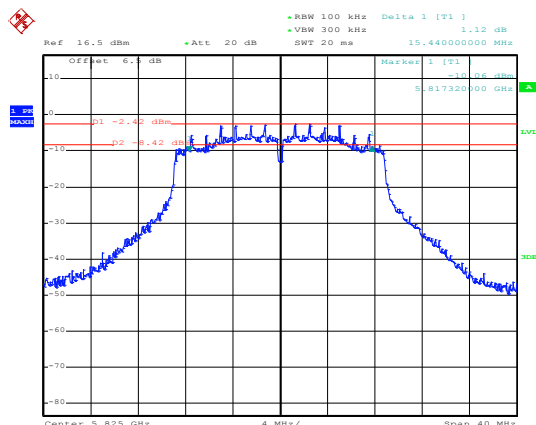


Date: 15.JUL.2020 09:13:38

Date: 14.JUL.2020 20:32:37

Middle channel

Middle channel



Date: 15.JUL.2020 09:12:46

Date: 14.JUL.2020 20:32:02

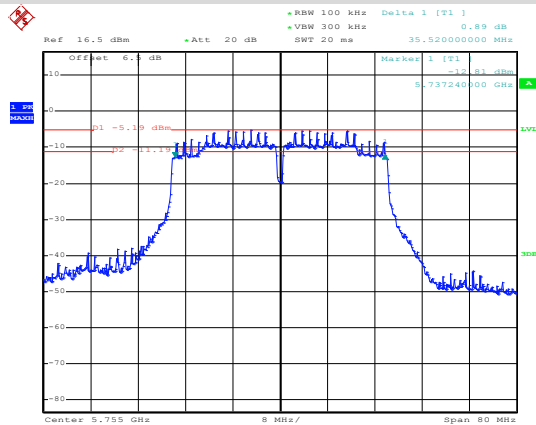
Highest channel

Highest channel

ANT1

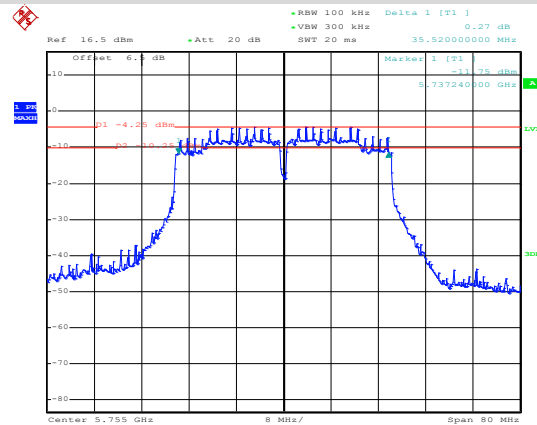
802.11ac(HT40)
6dB BW

ANT2



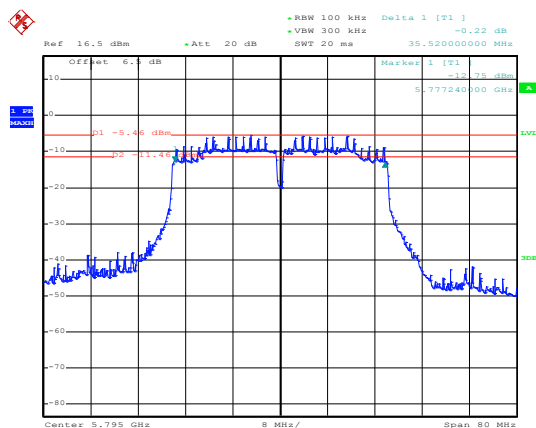
Date: 15.JUL.2020 09:07:51

Lowest channel



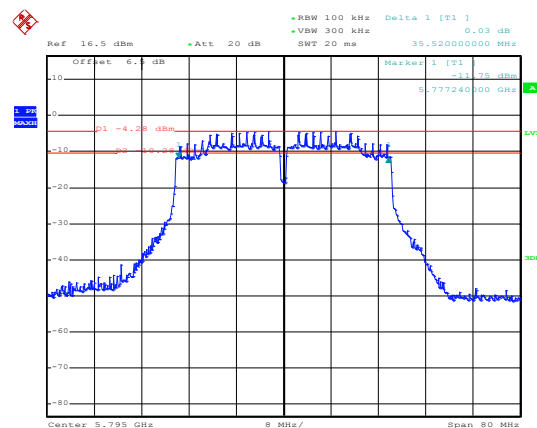
Date: 14.JUL.2020 20:26:27

Lowest channel



Date: 15.JUL.2020 09:08:32

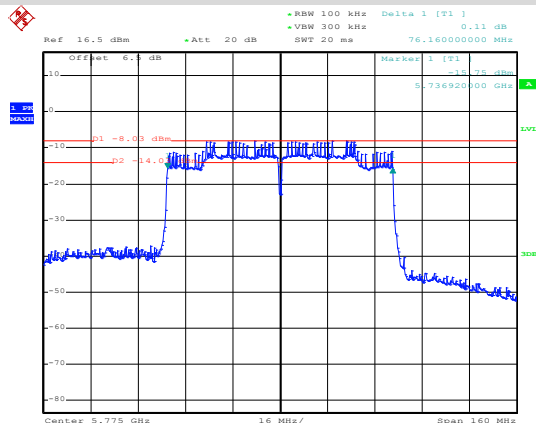
Highest channel



Date: 14.JUL.2020 20:27:13

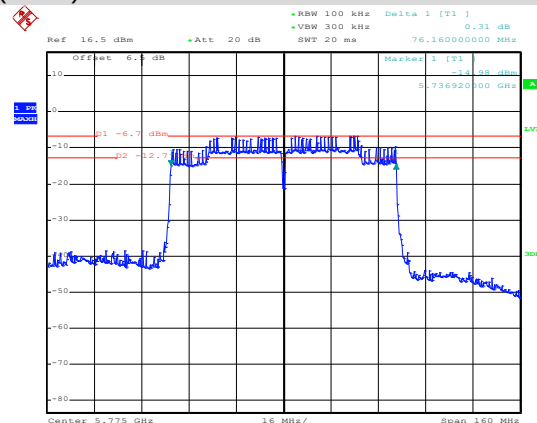
Highest channel

802.11ac(HT80)



Date: 15.JUL.2020 09:06:53

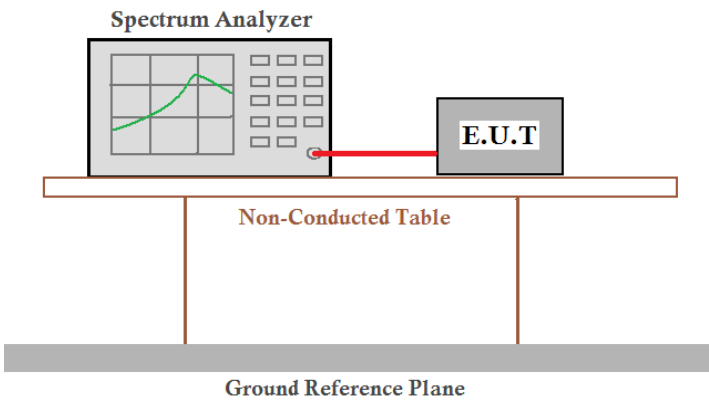
Middle channel



Date: 14.JUL.2020 20:25:22

Middle channel

6.5 Power Spectral Density

Test Requirement:	FCC Part15 E Section 15.407 (a) (1) (iv) & (a) (2) & (a)(3)
Limit:	Band 1: 11 dBm/MHz Band 4: 30 dBm/500kHz
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer, shown with a grid and a green curve, is connected to an E.U.T (Equipment Under Test) box by a red cable. Both the Spectrum Analyzer and the E.U.T are resting on a table labeled 'Non-Conducted Table'. Below this table is a thick grey bar representing the 'Ground Reference Plane'.
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data:

ANT1

Band 1				
Mode	Test CH	PSD (dBm)	Limit (dBm)	Result
802.11a	Lowest	-0.18	11.00	Pass
	Middle	-0.26		
	Highest	-0.84		
802.11n(HT20)	Lowest	-0.85	11.00	Pass
	Middle	-0.53		
	Highest	-1.10		
802.11n(HT40)	Lowest	-3.59	11.00	Pass
	Highest	-4.05		
802.11ac(HT20)	Lowest	-0.29	11.00	Pass
	Middle	-0.34		
	Highest	-0.91		
802.11ac(HT40)	Lowest	-3.77	11.00	Pass
	Highest	-4.12		
802.11ac(HT80)	Middle	-6.91	11.00	Pass

Band 4				
Mode	Test CH	PSD (dBm)	Limit (dBm)	Result
802.11a	Lowest	2.44	30.00	Pass
	Middle	1.99		
	Highest	2.72		
802.11n20	Lowest	1.19	30.00	Pass
	Middle	1.41		
	Highest	1.27		
802.11n40	Lowest	-2.34	30.00	Pass
	Highest	-1.91		
802.11ac20	Lowest	1.47	30.00	Pass
	Middle	1.74		
	Highest	2.24		
802.11ac40	Lowest	-2.26	30.00	Pass
	Highest	-2.04		
802.11ac80	Middle	-4.19	30.00	Pass

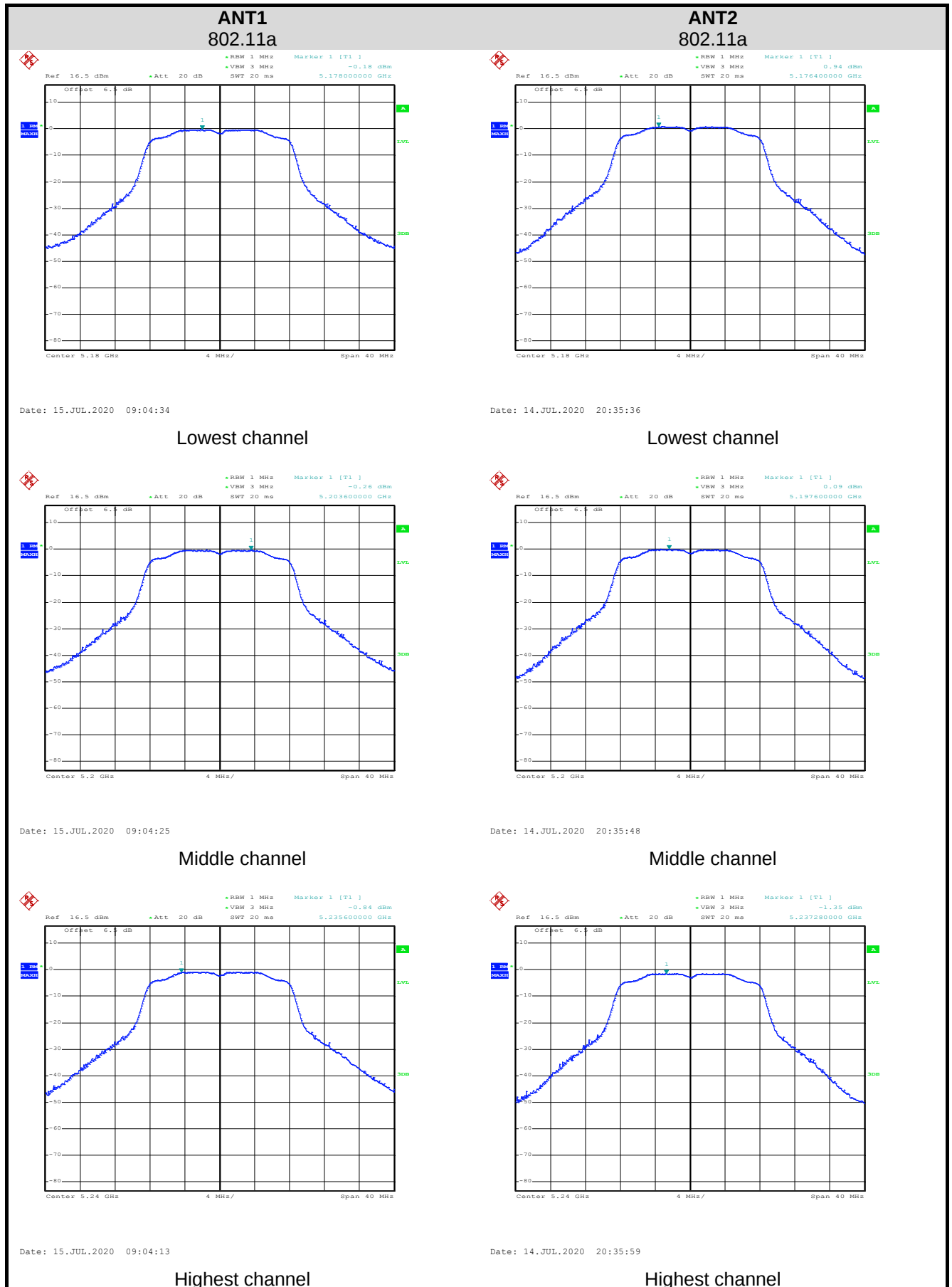
ANT2

Band 1				
Mode	Test CH	PSD (dBm)	Limit (dBm)	Result
802.11a	Lowest	0.94	11.00	Pass
	Middle	0.09		
	Highest	-1.35		
802.11n(HT20)	Lowest	0.03	11.00	Pass
	Middle	-0.12		
	Highest	-1.65		
802.11n(HT40)	Lowest	-3.25	11.00	Pass
	Highest	-4.49		
802.11ac(HT20)	Lowest	0.23	11.00	Pass
	Middle	-0.69		
	Highest	-1.54		
802.11ac(HT40)	Lowest	-3.32	11.00	Pass
	Highest	-4.63		
802.11ac(HT80)	Middle	-6.33	11.00	Pass

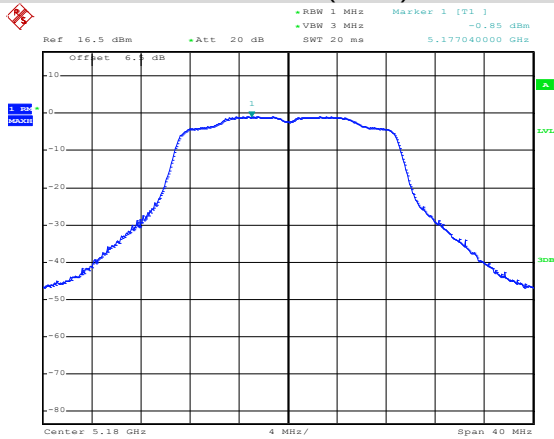
Band 4				
Mode	Test CH	PSD (dBm)	Limit (dBm)	Result
802.11a	Lowest	2.06	30.00	Pass
	Middle	0.99		
	Highest	1.23		
802.11n20	Lowest	2.10	30.00	Pass
	Middle	1.11		
	Highest	1.37		
802.11n40	Lowest	-0.94	30.00	Pass
	Highest	-2.13		
802.11ac20	Lowest	1.92	30.00	Pass
	Middle	1.41		
	Highest	0.84		
802.11ac40	Lowest	-1.19	30.00	Pass
	Highest	-1.39		
802.11ac80	Middle	-4.57	30.00	Pass

Test plot as follows:

Band 1:

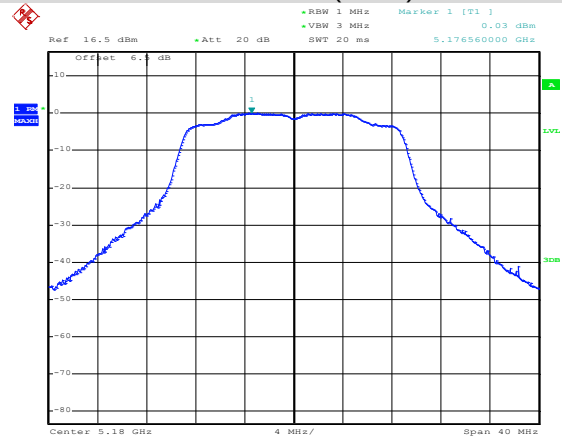


ANT1
802.11n(HT20)



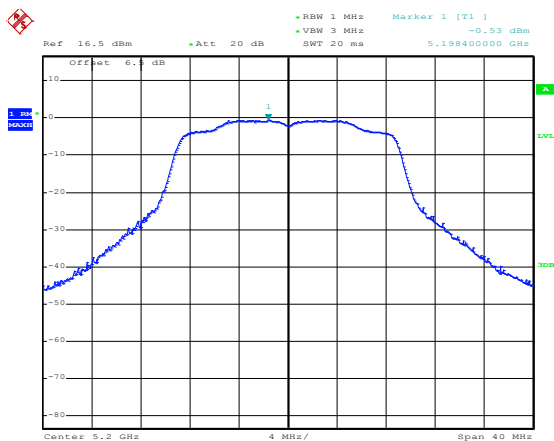
Date: 15.JUL.2020 09:03:35

ANT2
802.11n(HT20)



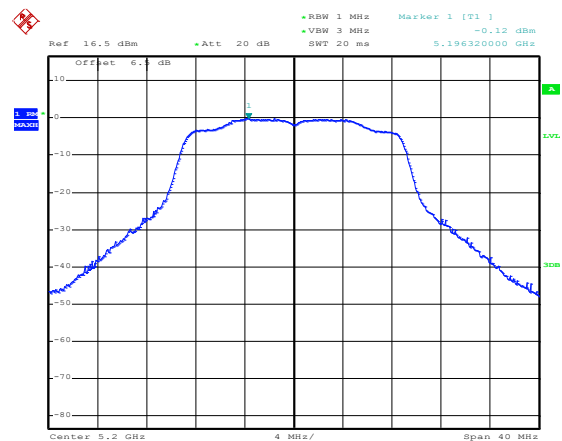
Date: 14.JUL.2020 20:36:39

Lowest channel



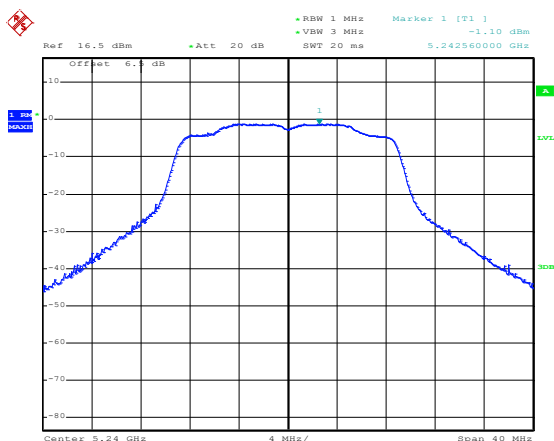
Date: 15.JUL.2020 09:03:52

Lowest channel



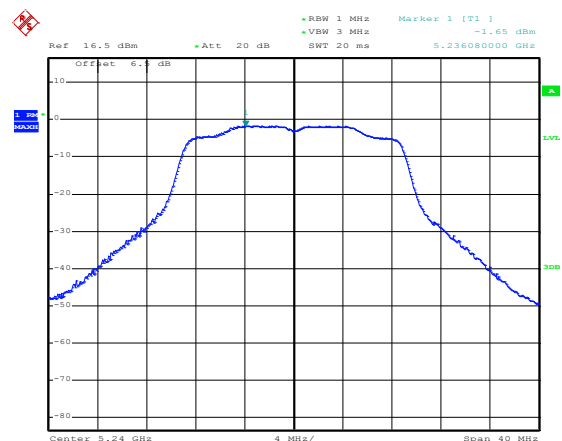
Date: 14.JUL.2020 20:36:27

Middle channel



Date: 15.JUL.2020 09:04:02

Middle channel

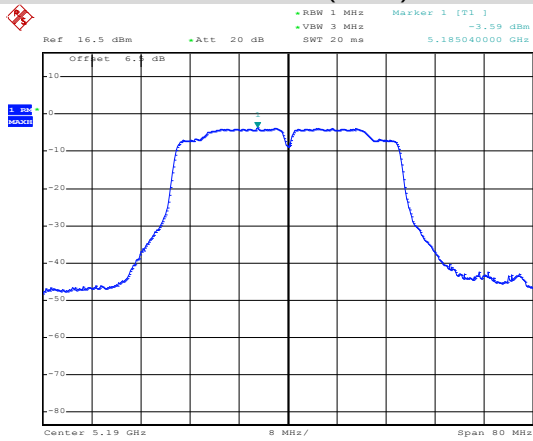


Date: 14.JUL.2020 20:36:10

Highest channel

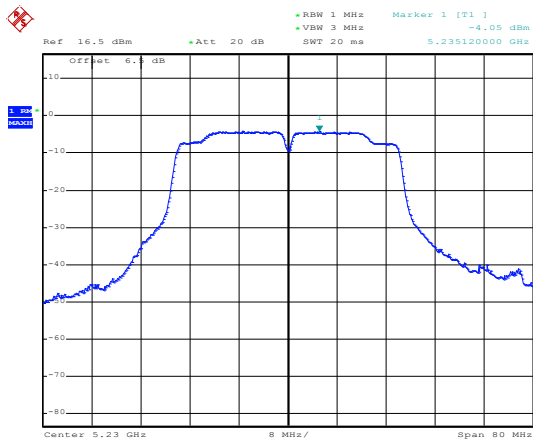
Highest channel

ANT1
802.11n(HT40)



Date: 15.JUL.2020 09:05:33

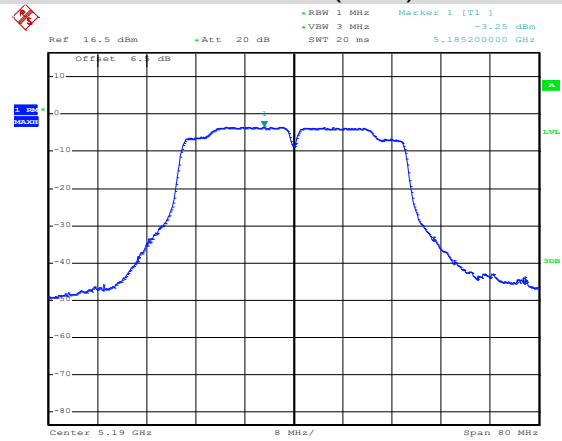
Lowest channel



Date: 15.JUL.2020 09:05:21

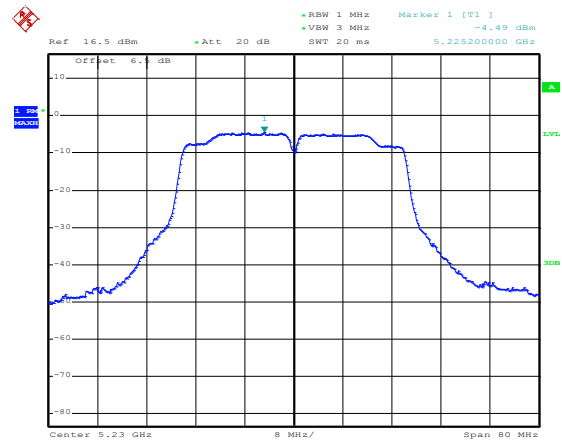
Highest channel

ANT2
802.11n(HT40)



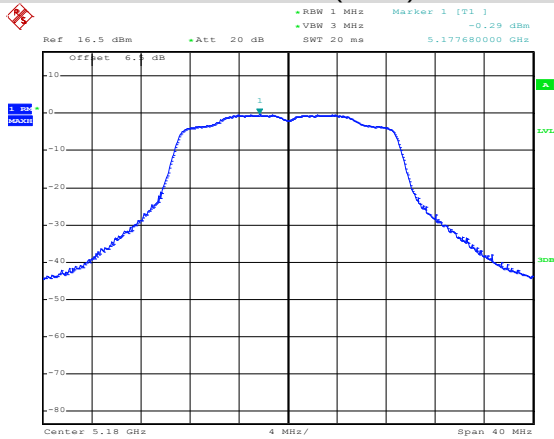
Date: 14.JUL.2020 20:38:05

Lowest channel

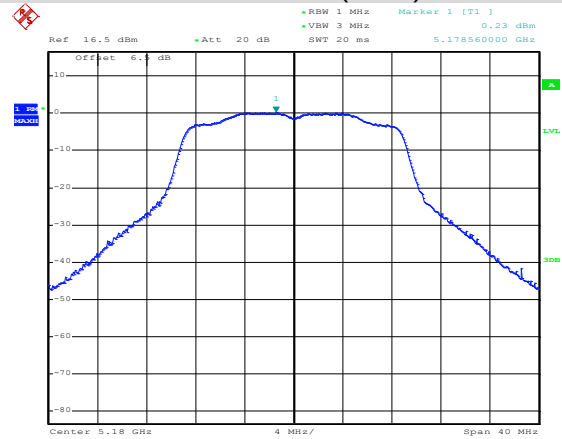


Date: 14.JUL.2020 20:37:56

Highest channel

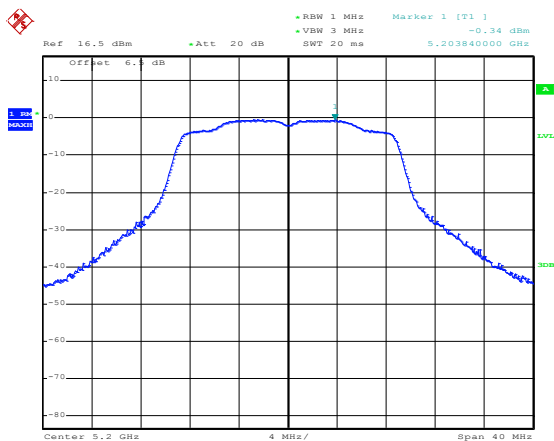
ANT1
802.11ac(HT20)

Date: 15.JUL.2020 09:03:22

ANT2
802.11ac(HT20)

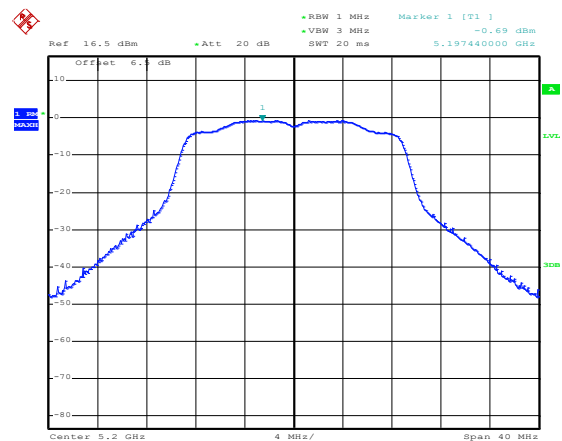
Date: 14.JUL.2020 20:36:52

Lowest channel



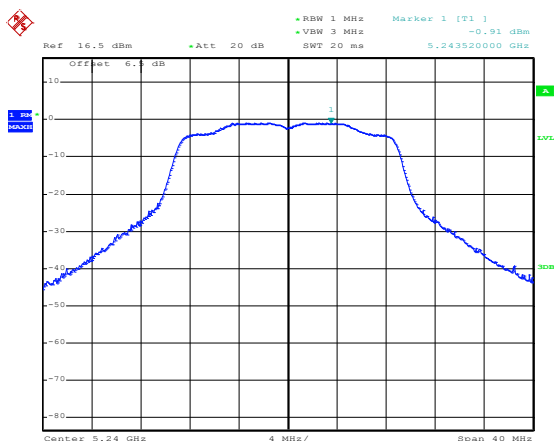
Date: 15.JUL.2020 09:03:12

Lowest channel



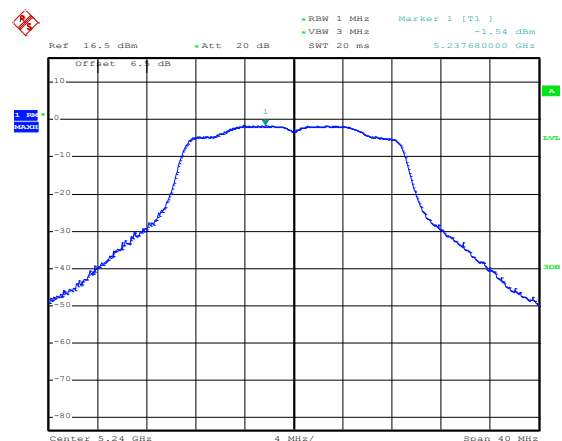
Date: 14.JUL.2020 20:37:03

Middle channel



Date: 15.JUL.2020 09:02:59

Middle channel

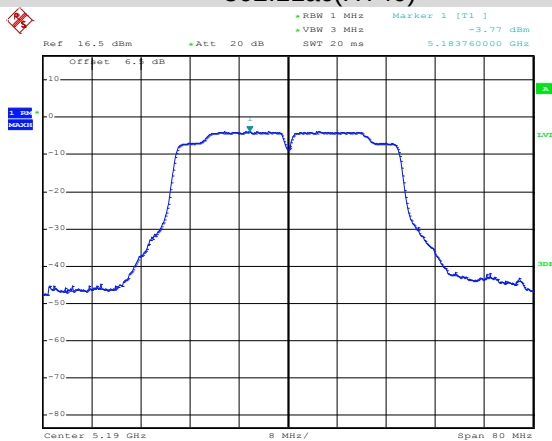


Date: 14.JUL.2020 20:37:13

Highest channel

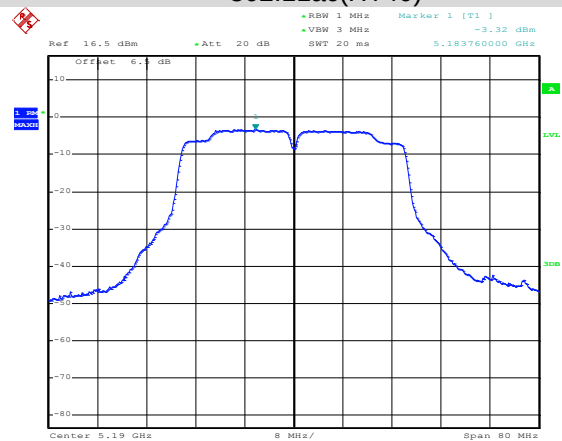
Highest channel

ANT1 802.11ac(HT40)



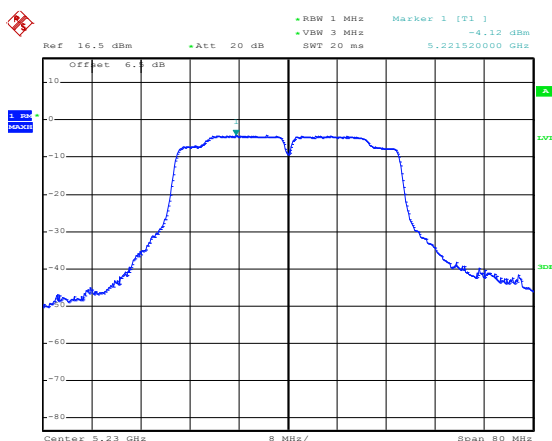
Date: 15.JUL.2020 09:04:53

ANT2 802.11ac(HT40)



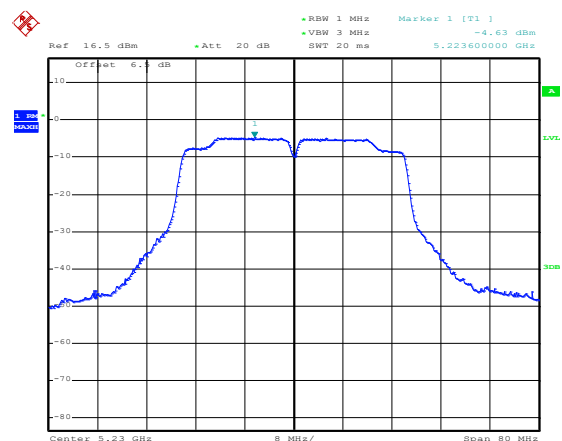
Date: 14.JUL.2020 20:37:31

Lowest channel



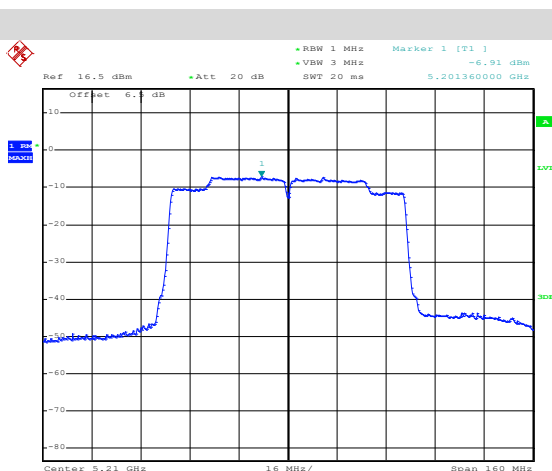
Date: 15.JUL.2020 09:05:08

Lowest channel



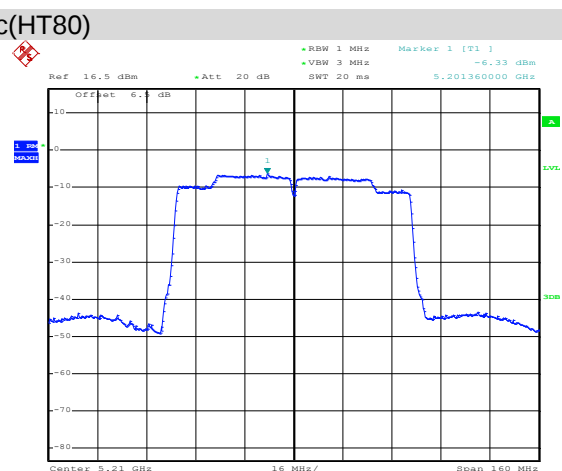
Date: 14.JUL.2020 20:37:43

Highest channel



Date: 15.JUL.2020 09:05:55

802.11ac(HT80)

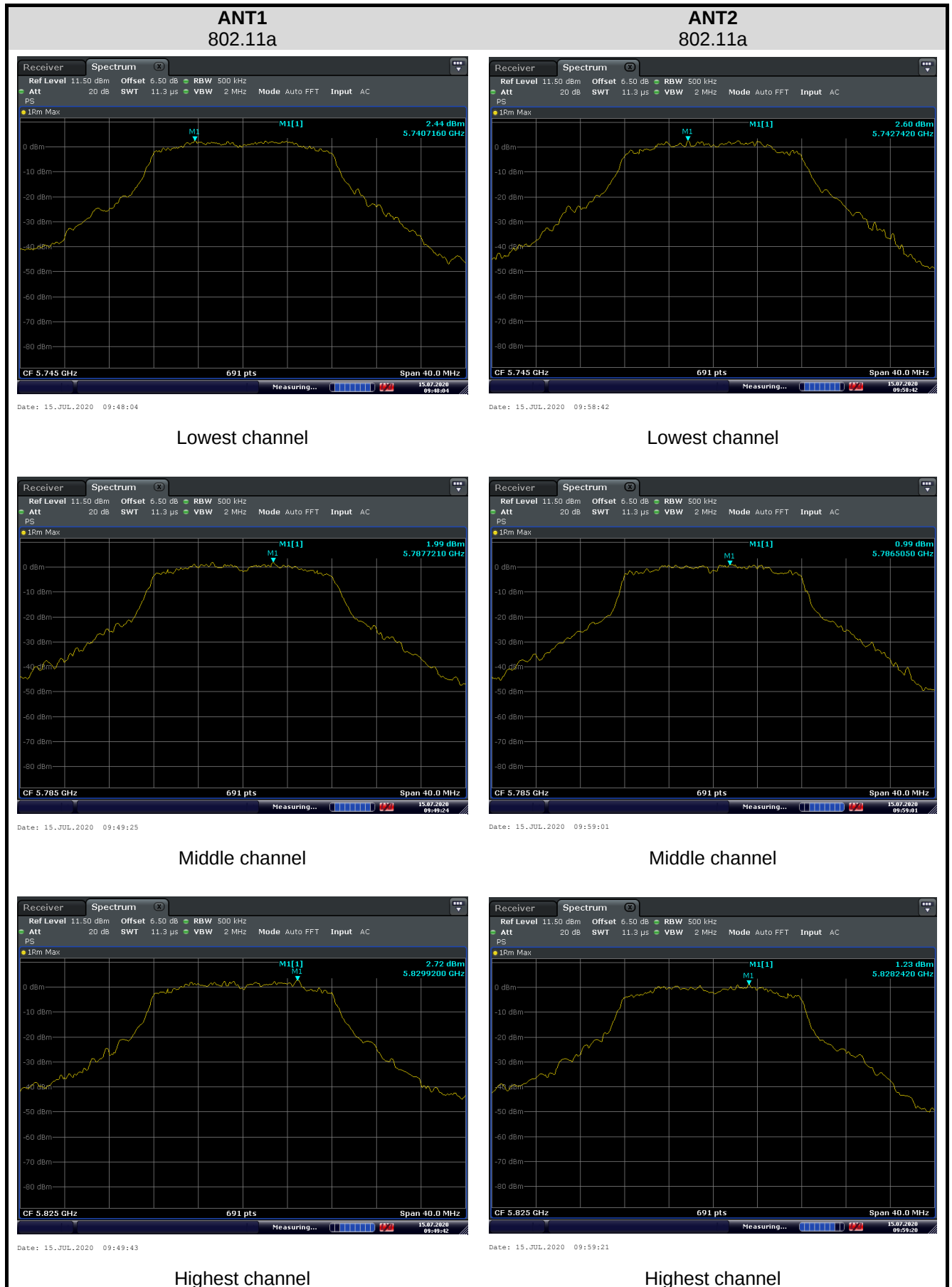


Date: 14.JUL.2020 20:38:22

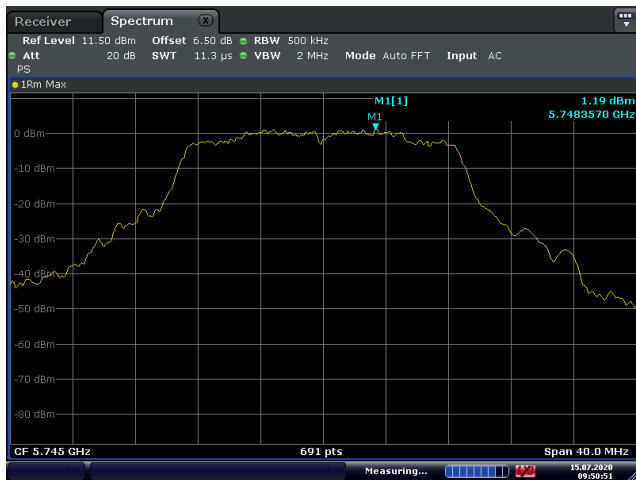
Middle channel

Middle channel

Band 4:



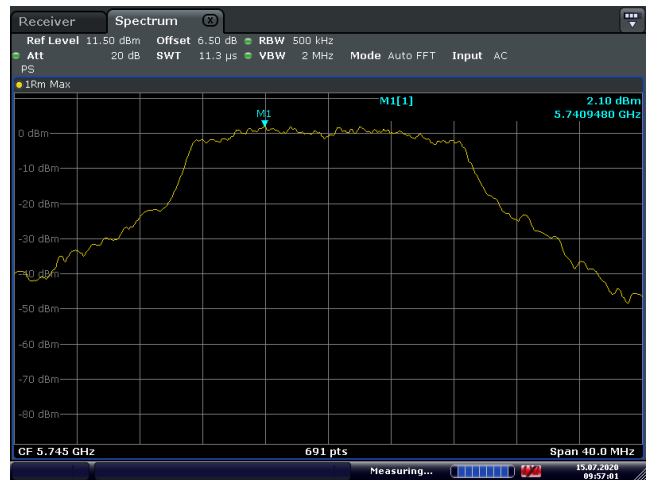
ANT1 802.11n(HT20)



Date: 15.JUL.2020 09:50:52

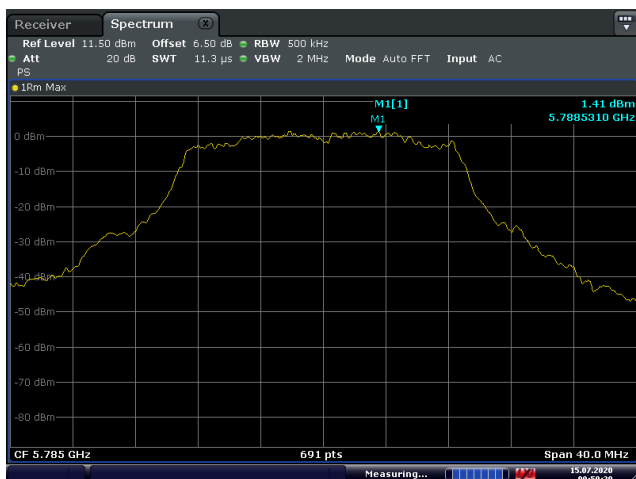
Lowest channel

ANT2 802.11n(HT20)



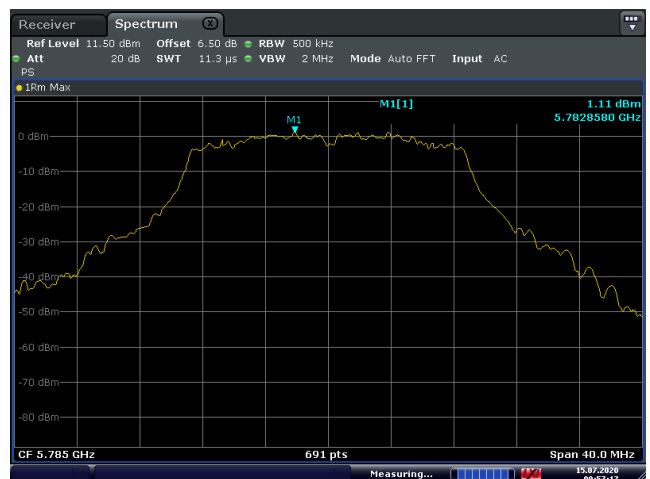
Date: 15.JUL.2020 09:57:02

Lowest channel



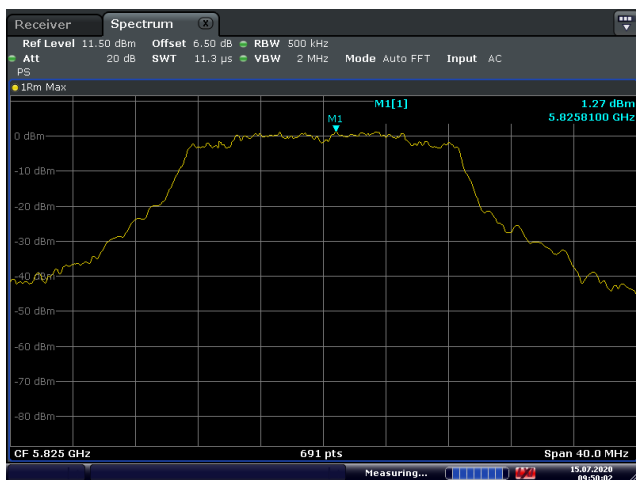
Date: 15.JUL.2020 09:50:30

Middle channel



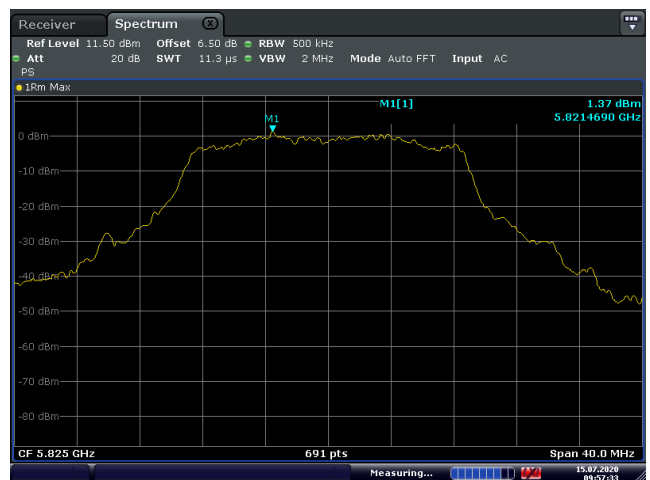
Date: 15.JUL.2020 09:57:17

Middle channel



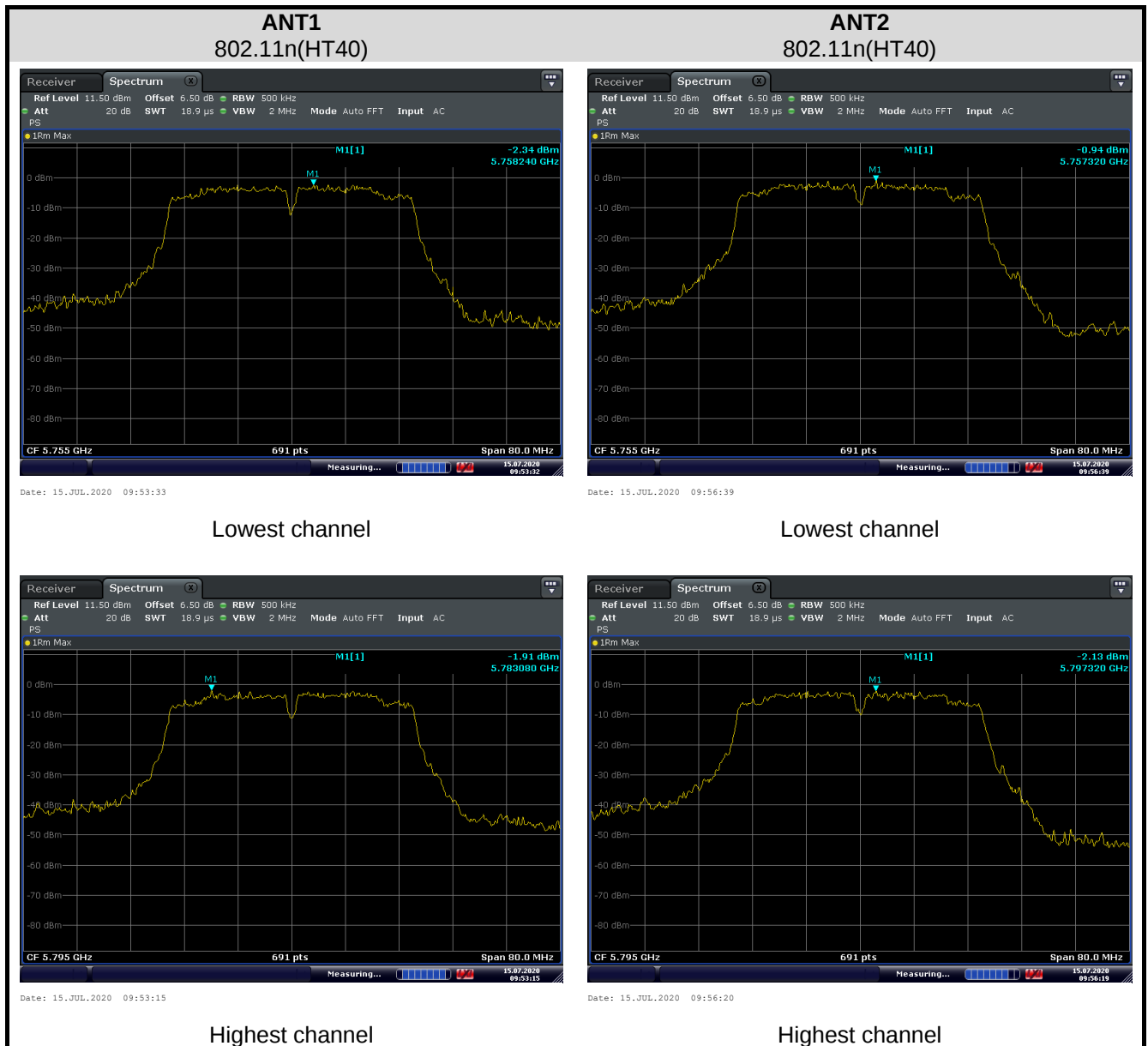
Date: 15.JUL.2020 09:50:03

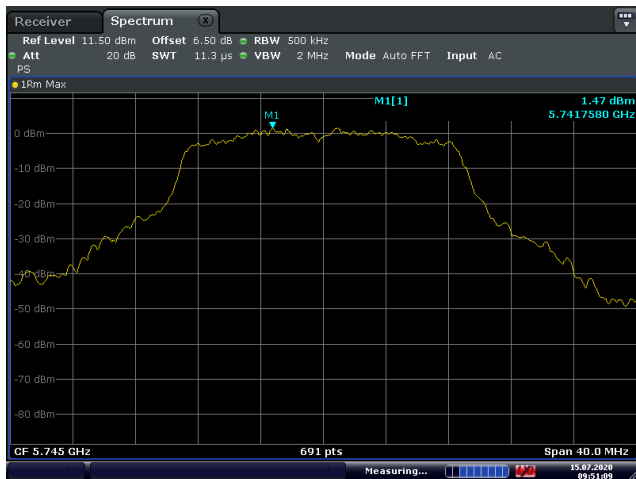
Highest channel



Date: 15.JUL.2020 09:57:33

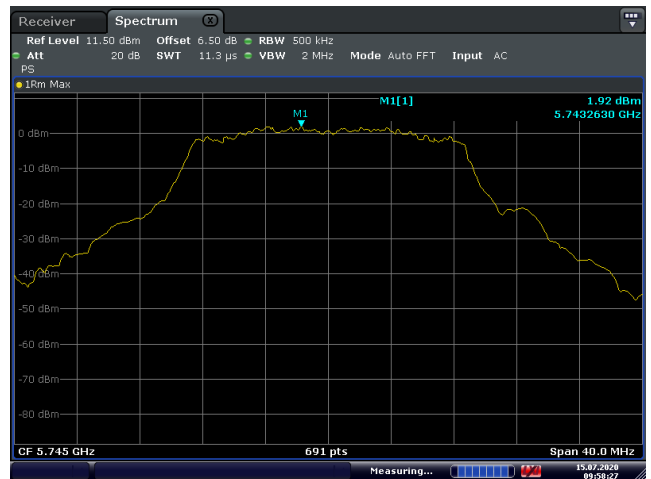
Highest channel



ANT1
802.11ac(HT20)

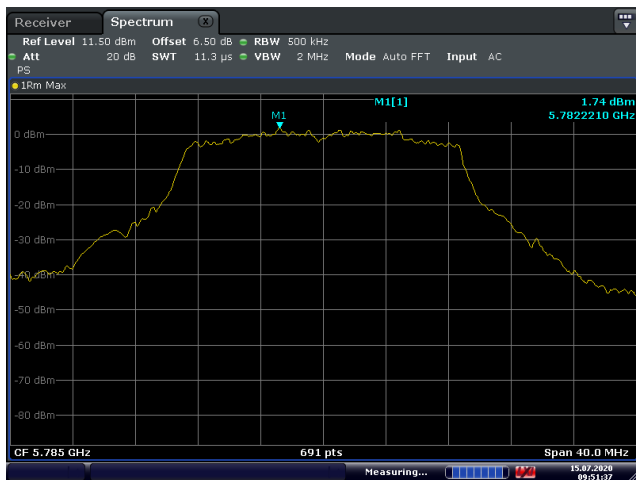
Date: 15.JUL.2020 09:51:10

Lowest channel

ANT2
802.11ac(HT20)

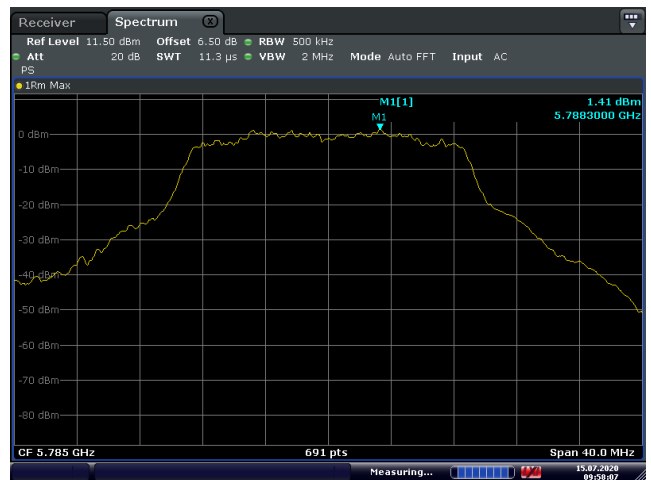
Date: 15.JUL.2020 09:58:27

Lowest channel



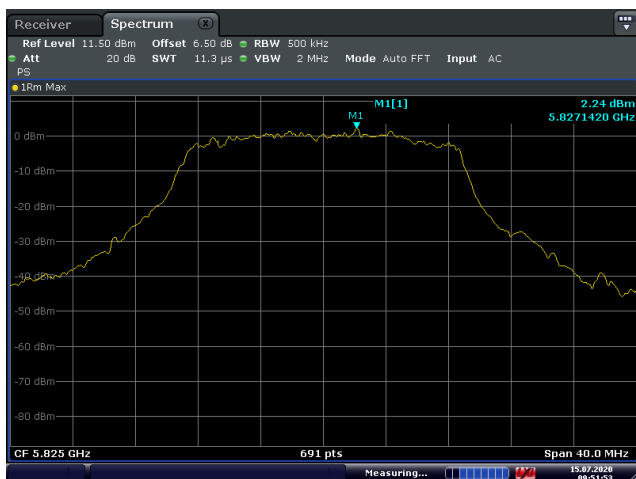
Date: 15.JUL.2020 09:51:38

Middle channel



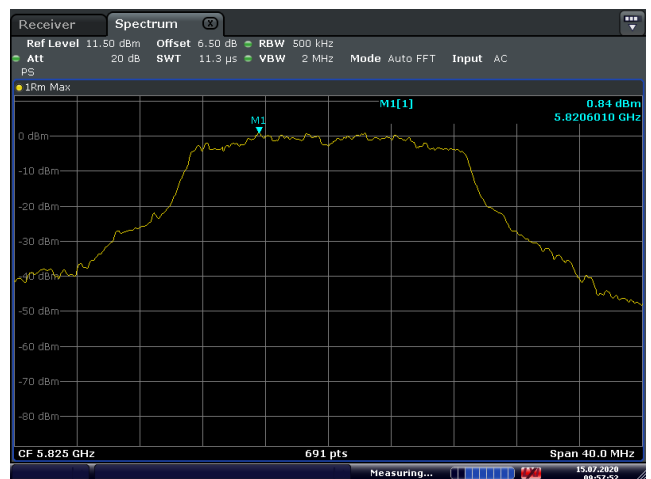
Date: 15.JUL.2020 09:58:08

Middle channel



Date: 15.JUL.2020 09:51:53

Highest channel



Date: 15.JUL.2020 09:57:52

Highest channel

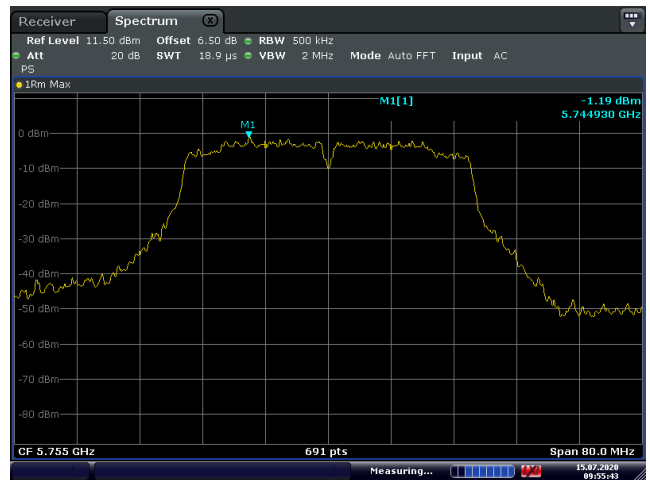
ANT1 802.11ac(HT40)



Date: 15.JUL.2020 09:52:21

Lowest channel

ANT2 802.11ac(HT40)



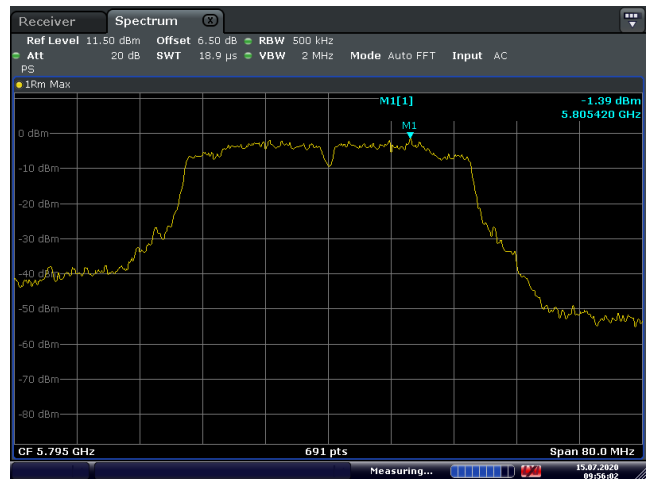
Date: 15.JUL.2020 09:55:44

Lowest channel



Date: 15.JUL.2020 09:52:56

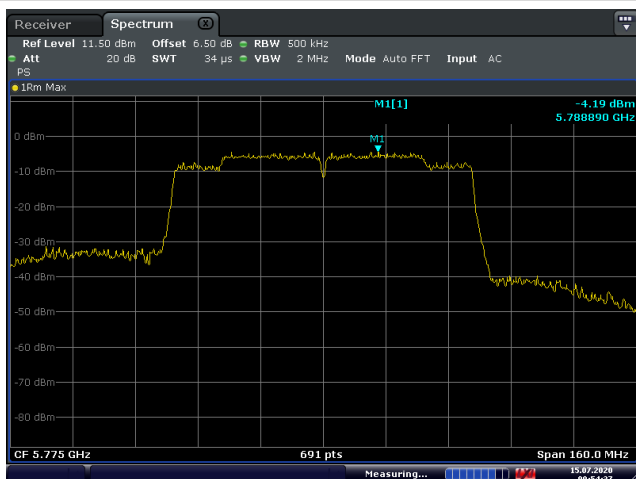
Highest channel



Date: 15.JUL.2020 09:56:02

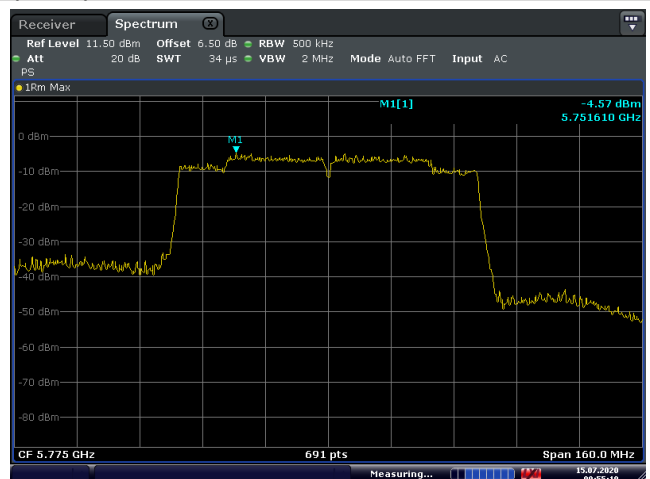
Highest channel

802.11ac(HT80)



Date: 15.JUL.2020 09:54:38

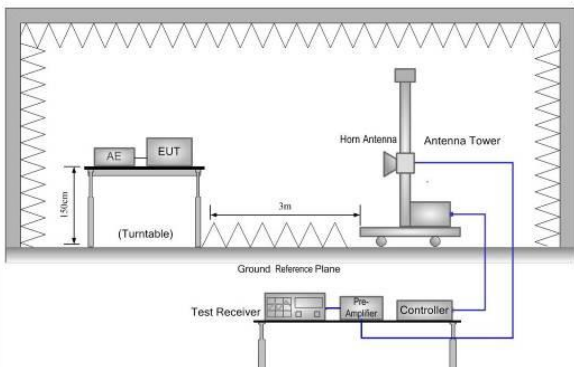
Middle channel



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Middle channel

6.6 Band Edge

Test Requirement:	FCC Part 15 E Section 15.407 (b)			
Receiver setup:	Detector	RBW	VBW	Remark
	Quasi-peak	120kHz	300kHz	Quasi-peak Value
	RMS	1MHz	3MHz	Average Value
Limit:	Band	Limit (dBuV/m @3m)		Remark
	Band 1/2/3	68.20		Peak Value
		54.00		Average Value
		Band 4 limit: For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. Remark: 1. Band 1/2/3 limit: $E[dB\mu V/m] = EIRP[dBm] + 95.2 = 68.2 \text{ dBuV/m}$, for $EIPR[dBm] = -27 \text{ dBm}$. 2. Band 4 limit: $E[dB\mu V/m] = EIRP[dBm] + 95.2 = 68.2 \text{ dBuV/m}$, for $EIPR[dBm] = -27 \text{ dBm}$. $E[dB\mu V/m] = EIRP[dBm] + 95.2 = 105.2 \text{ dBuV/m}$, for $EIPR[dBm] = 10 \text{ dBm}$. $E[dB\mu V/m] = EIRP[dBm] + 95.2 = 110.8 \text{ dBuV/m}$, for $EIPR[dBm] = 15.6 \text{ dBm}$. $E[dB\mu V/m] = EIRP[dBm] + 95.2 = 122.2 \text{ dBuV/m}$, for $EIPR[dBm] = 27 \text{ dBm}$.		
	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 rotatable 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 setup:				
Test Instruments:	Refer to section 5.10 for details			
Test mode:	Refer to section 5.3 for details			
Test results:	Passed			

Measurement Data (worst case):

ANT1

Band 1:

Band 1 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	47.17	31.77	7.05	2.54	41.93	46.60	68.20	-21.60	Horizontal
5150.00	48.09	31.77	7.05	2.54	41.93	47.52	68.20	-20.68	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	39.36	31.77	7.05	2.54	41.93	38.79	54.00	-15.21	Horizontal
5150.00	40.83	31.77	7.05	2.54	41.93	40.26	54.00	-13.74	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	45.57	32.24	7.11	2.61	41.89	45.64	68.20	-22.56	Horizontal
5350.00	45.60	32.24	7.11	2.61	41.89	45.67	68.20	-22.53	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	37.29	32.24	7.11	2.61	41.89	37.36	54.00	-16.64	Horizontal
5350.00	37.58	32.24	7.11	2.61	41.89	37.65	54.00	-16.35	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	47.10	31.77	7.05	2.54	41.93	46.53	68.20	-21.67	Horizontal
5150.00	48.25	31.77	7.05	2.54	41.93	47.68	68.20	-20.52	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	39.19	31.77	7.05	2.54	41.93	38.62	54.00	-15.38	Horizontal
5150.00	40.86	31.77	7.05	2.54	41.93	40.29	54.00	-13.71	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	45.90	32.24	7.11	2.61	41.89	45.97	68.20	-22.23	Horizontal
5350.00	45.10	32.24	7.11	2.61	41.89	45.17	68.20	-23.03	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	37.37	32.24	7.11	2.61	41.89	37.44	54.00	-16.56	Horizontal
5350.00	38.07	32.24	7.11	2.61	41.89	38.14	54.00	-15.86	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	49.63	31.77	7.05	2.54	41.93	49.06	68.20	-19.14	Horizontal
5150.00	40.10	31.77	7.05	2.54	41.93	39.53	68.20	-28.67	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	41.32	31.77	7.05	2.54	41.93	40.75	54.00	-13.25	Horizontal
5150.00	38.65	31.77	7.05	2.54	41.93	38.08	54.00	-15.92	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	45.11	32.02	7.09	2.54	41.93	44.83	68.20	-23.37	Horizontal
5350.00	46.23	32.02	7.09	2.54	41.93	45.95	68.20	-22.25	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	30.05	32.02	7.09	2.54	41.93	29.77	54.00	-24.23	Horizontal
5350.00	38.11	32.02	7.09	2.54	41.93	37.83	54.00	-16.17	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	47.64	31.77	7.05	2.54	41.93	47.07	68.20	-21.13	Horizontal
5150.00	48.36	31.77	7.05	2.54	41.93	47.79	68.20	-20.41	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	39.11	31.77	7.05	2.54	41.93	38.54	54.00	-15.46	Horizontal
5150.00	40.79	31.77	7.05	2.54	41.93	40.22	54.00	-13.78	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	45.91	32.24	7.11	2.61	41.89	45.98	68.20	-22.22	Horizontal
5350.00	45.73	32.24	7.11	2.61	41.89	45.80	68.20	-22.40	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	37.58	32.24	7.11	2.61	41.89	37.65	54.00	-16.35	Horizontal
5350.00	37.69	32.24	7.11	2.61	41.89	37.76	54.00	-16.24	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	49.14	31.77	7.05	2.54	41.93	48.57	68.20	-19.63	Horizontal
5150.00	40.34	31.77	7.05	2.54	41.93	39.77	68.20	-28.43	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	41.22	31.77	7.05	2.54	41.93	40.65	54.00	-13.35	Horizontal
5150.00	38.78	31.77	7.05	2.54	41.93	38.21	54.00	-15.79	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	45.44	32.24	7.11	2.61	41.89	45.51	68.20	-22.69	Horizontal
5350.00	46.35	32.24	7.11	2.61	41.89	46.42	68.20	-21.78	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	29.70	32.24	7.11	2.61	41.89	29.77	54.00	-24.23	Horizontal
5350.00	38.25	32.24	7.11	2.61	41.89	38.32	54.00	-15.68	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	52.05	31.77	7.05	2.54	41.93	51.48	68.20	-16.72	Horizontal
5150.00	48.60	31.77	7.05	2.54	41.93	48.03	68.20	-20.17	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	44.94	31.77	7.05	2.54	41.93	44.37	54.00	-9.63	Horizontal
5150.00	40.96	31.77	7.05	2.54	41.93	40.39	54.00	-13.61	Vertical
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	46.21	32.24	7.11	2.61	41.89	46.28	68.20	-21.92	Horizontal
5350.00	44.27	32.24	7.11	2.61	41.89	44.34	68.20	-23.86	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	38.31	32.24	7.11	2.61	41.89	38.38	54.00	-15.62	Horizontal
5350.00	36.69	32.24	7.11	2.61	41.89	36.76	54.00	-17.24	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4:

Band 4 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	48.73	32.63	7.45	2.69	41.85	49.65	68.20	-18.55	Horizontal
5700.00	48.67	32.64	7.60	2.72	41.90	49.73	105.20	-55.47	Horizontal
5720.00	49.68	32.65	7.64	2.72	41.92	50.77	110.80	-60.03	Horizontal
5725.00	52.43	32.65	7.69	2.72	41.94	53.55	122.20	-68.65	Horizontal
5650.00	48.67	32.63	7.45	2.69	41.85	49.59	68.20	-18.61	Vertical
5700.00	48.10	32.64	7.60	2.72	41.90	49.16	105.20	-56.04	Vertical
5720.00	50.01	32.65	7.64	2.72	41.92	51.10	110.80	-59.70	Vertical
5725.00	52.23	32.65	7.69	2.72	41.94	53.35	122.20	-68.85	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	49.16	32.67	7.90	2.69	42.03	50.39	122.20	-71.81	Horizontal
5855.00	49.50	32.67	7.90	2.72	42.03	50.76	110.80	-60.04	Horizontal
5875.00	49.78	32.68	7.91	2.72	42.03	51.06	105.20	-54.14	Horizontal
5925.00	48.93	32.69	7.92	2.72	42.04	50.22	68.20	-17.98	Horizontal
5850.00	48.72	32.67	7.90	2.69	42.03	49.95	122.20	-72.25	Vertical
5855.00	48.80	32.67	7.90	2.72	42.03	50.06	110.80	-60.74	Vertical
5875.00	48.81	32.68	7.91	2.72	42.03	50.09	105.20	-55.11	Vertical
5925.00	49.10	32.69	7.92	2.72	42.04	50.39	68.20	-17.81	Vertical
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	49.02	32.63	7.45	2.69	41.85	49.94	68.20	-18.26	Horizontal
5700.00	48.85	32.64	7.60	2.72	41.90	49.91	105.20	-55.29	Horizontal
5720.00	50.09	32.65	7.64	2.72	41.92	51.18	110.80	-59.62	Horizontal
5725.00	52.19	32.65	7.69	2.72	41.94	53.31	122.20	-68.89	Horizontal
5650.00	48.93	32.63	7.45	2.69	41.85	49.85	68.20	-18.35	Vertical
5700.00	48.13	32.64	7.60	2.72	41.90	49.19	105.20	-56.01	Vertical
5720.00	50.28	32.65	7.64	2.72	41.92	51.37	110.80	-59.43	Vertical
5725.00	52.15	32.65	7.69	2.72	41.94	53.27	122.20	-68.93	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	48.92	32.67	7.90	2.69	42.03	50.15	122.20	-72.05	Horizontal
5855.00	49.71	32.67	7.90	2.72	42.03	50.97	110.80	-59.83	Horizontal
5875.00	49.69	32.68	7.91	2.72	42.03	50.97	105.20	-54.23	Horizontal
5925.00	48.55	32.69	7.92	2.72	42.04	49.84	68.20	-18.36	Horizontal
5850.00	48.82	32.67	7.90	2.69	42.03	50.05	122.20	-72.15	Vertical
5855.00	49.01	32.67	7.90	2.72	42.03	50.27	110.80	-60.53	Vertical
5875.00	48.71	32.68	7.91	2.72	42.03	49.99	105.20	-55.21	Vertical
5925.00	49.23	32.69	7.92	2.72	42.04	50.52	68.20	-17.68	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	49.46	32.63	7.45	2.69	41.85	50.38	68.20	-17.82	Horizontal
5700.00	50.02	32.64	7.60	2.72	41.90	51.08	105.20	-54.12	Horizontal
5720.00	50.67	32.65	7.64	2.72	41.92	51.76	110.80	-59.04	Horizontal
5725.00	51.00	32.65	7.69	2.72	41.94	52.12	122.20	-70.08	Horizontal
5650.00	49.69	32.63	7.45	2.69	41.85	50.61	68.20	-17.59	Vertical
5700.00	48.63	32.64	7.60	2.72	41.90	49.69	105.20	-55.51	Vertical
5720.00	52.83	32.65	7.64	2.72	41.92	53.92	110.80	-56.88	Vertical
5725.00	53.60	32.65	7.69	2.72	41.94	54.72	122.20	-67.48	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	48.35	32.67	7.90	2.69	42.03	49.58	122.20	-72.62	Horizontal
5855.00	49.76	32.67	7.90	2.72	42.03	51.02	110.80	-59.78	Horizontal
5875.00	48.05	32.68	7.91	2.72	42.03	49.33	105.20	-55.87	Horizontal
5925.00	48.63	32.69	7.92	2.72	42.04	49.92	68.20	-18.28	Horizontal
5850.00	49.16	32.67	7.90	2.69	42.03	50.39	122.20	-71.81	Vertical
5855.00	48.47	32.67	7.90	2.72	42.03	49.73	110.80	-61.07	Vertical
5875.00	48.32	32.68	7.91	2.72	42.03	49.60	105.20	-55.60	Vertical
5925.00	48.48	32.69	7.92	2.72	42.04	49.77	68.20	-18.43	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	48.66	32.63	7.45	2.69	41.85	49.58	68.20	-18.62	Horizontal
5700.00	48.89	32.64	7.60	2.72	41.90	49.95	105.20	-55.25	Horizontal
5720.00	49.31	32.65	7.64	2.72	41.92	50.40	110.80	-60.40	Horizontal
5725.00	52.09	32.65	7.69	2.72	41.94	53.21	122.20	-68.99	Horizontal
5650.00	48.80	32.63	7.45	2.69	41.85	49.72	68.20	-18.48	Vertical
5700.00	48.46	32.64	7.60	2.72	41.90	49.52	105.20	-55.68	Vertical
5720.00	50.27	32.65	7.64	2.72	41.92	51.36	110.80	-59.44	Vertical
5725.00	52.06	32.65	7.69	2.72	41.94	53.18	122.20	-69.02	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	48.99	32.67	7.90	2.69	42.03	50.22	122.20	-71.98	Horizontal
5855.00	49.23	32.67	7.90	2.72	42.03	50.49	110.80	-60.31	Horizontal
5875.00	49.92	32.68	7.91	2.72	42.03	51.20	105.20	-54.00	Horizontal
5925.00	48.44	32.69	7.92	2.72	42.04	49.73	68.20	-18.47	Horizontal
5850.00	48.66	32.67	7.90	2.69	42.03	49.89	122.20	-72.31	Vertical
5855.00	49.03	32.67	7.90	2.72	42.03	50.29	110.80	-60.51	Vertical
5875.00	48.92	32.68	7.91	2.72	42.03	50.20	105.20	-55.00	Vertical
5925.00	49.41	32.69	7.92	2.72	42.04	50.70	68.20	-17.50	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	49.37	32.63	7.45	2.69	41.85	50.29	68.20	-17.91	Horizontal
5700.00	50.24	32.64	7.60	2.72	41.90	51.30	105.20	-53.90	Horizontal
5720.00	50.75	32.65	7.64	2.72	41.92	51.84	110.80	-58.96	Horizontal
5725.00	51.40	32.65	7.69	2.72	41.94	52.52	122.20	-69.68	Horizontal
5650.00	49.67	32.63	7.45	2.69	41.85	50.59	68.20	-17.61	Vertical
5700.00	48.35	32.64	7.60	2.72	41.90	49.41	105.20	-55.79	Vertical
5720.00	53.11	32.65	7.64	2.72	41.92	54.20	110.80	-56.60	Vertical
5725.00	53.53	32.65	7.69	2.72	41.94	54.65	122.20	-67.55	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	48.24	32.67	7.90	2.69	42.03	49.47	122.20	-72.73	Horizontal
5855.00	49.80	32.67	7.90	2.72	42.03	51.06	110.80	-59.74	Horizontal
5875.00	48.13	32.68	7.91	2.72	42.03	49.41	105.20	-55.79	Horizontal
5925.00	48.38	32.69	7.92	2.72	42.04	49.67	68.20	-18.53	Horizontal
5850.00	48.72	32.67	7.90	2.69	42.03	49.95	122.20	-72.25	Vertical
5855.00	48.15	32.67	7.90	2.72	42.03	49.41	110.80	-61.39	Vertical
5875.00	48.76	32.68	7.91	2.72	42.03	50.04	105.20	-55.16	Vertical
5925.00	48.13	32.69	7.92	2.72	42.04	49.42	68.20	-18.78	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	48.62	32.63	7.45	2.69	41.85	49.54	68.20	-18.66	Horizontal
5700.00	55.33	32.64	7.60	2.72	41.90	56.39	105.20	-48.81	Horizontal
5720.00	54.71	32.65	7.64	2.72	41.92	55.80	110.80	-55.00	Horizontal
5725.00	55.38	32.65	7.69	2.72	41.94	56.50	122.20	-65.70	Horizontal
5650.00	49.13	32.63	7.45	2.69	41.85	50.05	68.20	-18.15	Vertical
5700.00	56.92	32.64	7.60	2.72	41.90	57.98	105.20	-47.22	Vertical
5720.00	55.47	32.65	7.64	2.72	41.92	56.56	110.80	-54.24	Vertical
5725.00	55.24	32.65	7.69	2.72	41.94	56.36	122.20	-65.84	Vertical
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	49.69	32.67	7.90	2.69	42.03	50.92	122.20	-71.28	Horizontal
5855.00	49.31	32.67	7.90	2.72	42.03	50.57	110.80	-60.23	Horizontal
5875.00	48.05	32.68	7.91	2.72	42.03	49.33	105.20	-55.87	Horizontal
5925.00	50.06	32.69	7.92	2.72	42.04	51.35	68.20	-16.85	Horizontal
5850.00	49.16	32.67	7.90	2.69	42.03	50.39	122.20	-71.81	Vertical
5855.00	49.42	32.67	7.90	2.72	42.03	50.68	110.80	-60.12	Vertical
5875.00	48.81	32.68	7.91	2.72	42.03	50.09	105.20	-55.11	Vertical
5925.00	48.47	32.69	7.92	2.72	42.04	49.76	68.20	-18.44	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

ANT2

Band 1:

Band 1 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	49.08	31.77	7.05	2.54	41.93	48.51	68.20	-19.69	Horizontal
5150.00	47.36	31.77	7.05	2.54	41.93	46.79	68.20	-21.41	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	41.30	31.77	7.05	2.54	41.93	40.73	54.00	-13.27	Horizontal
5150.00	40.19	31.77	7.05	2.54	41.93	39.62	54.00	-14.38	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	47.43	32.24	7.11	2.61	41.89	47.50	68.20	-20.70	Horizontal
5350.00	47.86	32.24	7.11	2.61	41.89	47.93	68.20	-20.27	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	39.71	32.24	7.11	2.61	41.89	39.78	54.00	-14.22	Horizontal
5350.00	39.68	32.24	7.11	2.61	41.89	39.75	54.00	-14.25	Vertical
Remark:									
3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	49.53	31.77	7.05	2.54	41.93	48.96	68.20	-19.24	Horizontal
5150.00	47.15	31.77	7.05	2.54	41.93	46.58	68.20	-21.62	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	41.73	31.77	7.05	2.54	41.93	41.16	54.00	-12.84	Horizontal
5150.00	40.56	31.77	7.05	2.54	41.93	39.99	54.00	-14.01	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	47.82	32.24	7.11	2.61	41.89	47.89	68.20	-20.31	Horizontal
5350.00	47.58	32.24	7.11	2.61	41.89	47.65	68.20	-20.55	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	39.86	32.24	7.11	2.61	41.89	39.93	54.00	-14.07	Horizontal
5350.00	40.17	32.24	7.11	2.61	41.89	40.24	54.00	-13.76	Vertical
Remark: 3. <i>Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.</i> 4. <i>The emission levels of other frequencies are very lower than the limit and not show in test report.</i>									

Band 1 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	49.63	31.77	7.05	2.54	41.93	49.06	68.20	-19.14	Horizontal
5150.00	40.10	31.77	7.05	2.54	41.93	39.53	68.20	-28.67	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	41.32	31.77	7.05	2.54	41.93	40.75	54.00	-13.25	Horizontal
5150.00	38.65	31.77	7.05	2.54	41.93	38.08	54.00	-15.92	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	48.23	32.02	7.09	2.54	41.93	47.95	68.20	-20.25	Horizontal
5350.00	47.85	32.02	7.09	2.54	41.93	47.57	68.20	-20.63	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	40.38	32.02	7.09	2.54	41.93	40.10	54.00	-13.90	Horizontal
5350.00	39.60	32.02	7.09	2.54	41.93	39.32	54.00	-14.68	Vertical
Remark: 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	48.85	31.77	7.05	2.54	41.93	48.28	68.20	-19.92	Horizontal
5150.00	47.39	31.77	7.05	2.54	41.93	46.82	68.20	-21.38	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	41.75	31.77	7.05	2.54	41.93	41.18	54.00	-12.82	Horizontal
5150.00	40.26	31.77	7.05	2.54	41.93	39.69	54.00	-14.31	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	47.68	32.24	7.11	2.61	41.89	47.75	68.20	-20.45	Horizontal
5350.00	47.53	32.24	7.11	2.61	41.89	47.60	68.20	-20.60	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	39.81	32.24	7.11	2.61	41.89	39.88	54.00	-14.12	Horizontal
5350.00	39.43	32.24	7.11	2.61	41.89	39.50	54.00	-14.50	Vertical
Remark: 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	49.64	31.77	7.05	2.54	41.93	49.07	68.20	-19.13	Horizontal
5150.00	40.23	31.77	7.05	2.54	41.93	39.66	68.20	-28.54	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	41.59	31.77	7.05	2.54	41.93	41.02	54.00	-12.98	Horizontal
5150.00	38.62	31.77	7.05	2.54	41.93	38.05	54.00	-15.95	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	48.69	32.24	7.11	2.61	41.89	48.76	68.20	-19.44	Horizontal
5350.00	48.33	32.24	7.11	2.61	41.89	48.40	68.20	-19.80	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	40.49	32.24	7.11	2.61	41.89	40.56	54.00	-13.44	Horizontal
5350.00	39.21	32.24	7.11	2.61	41.89	39.28	54.00	-14.72	Vertical
Remark: 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	52.35	31.77	7.05	2.54	41.93	51.78	68.20	-16.42	Horizontal
5150.00	50.84	31.77	7.05	2.54	41.93	50.27	68.20	-17.93	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	44.53	31.77	7.05	2.54	41.93	43.96	54.00	-10.04	Horizontal
5150.00	42.65	31.77	7.05	2.54	41.93	42.08	54.00	-11.92	Vertical
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	48.64	32.24	7.11	2.61	41.89	48.71	68.20	-19.49	Horizontal
5350.00	47.82	32.24	7.11	2.61	41.89	47.89	68.20	-20.31	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	40.06	32.24	7.11	2.61	41.89	40.13	54.00	-13.87	Horizontal
5350.00	39.49	32.24	7.11	2.61	41.89	39.56	54.00	-14.44	Vertical
Remark: 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4:

Band 4 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	47.32	32.63	7.45	2.69	41.85	48.24	68.20	-19.96	Horizontal
5700.00	48.52	32.64	7.60	2.72	41.90	49.58	105.20	-55.62	Horizontal
5720.00	49.62	32.65	7.64	2.72	41.92	50.71	110.80	-60.09	Horizontal
5725.00	51.38	32.65	7.69	2.72	41.94	52.50	122.20	-69.70	Horizontal
5650.00	47.83	32.63	7.45	2.69	41.85	48.75	68.20	-19.45	Vertical
5700.00	48.36	32.64	7.60	2.72	41.90	49.42	105.20	-55.78	Vertical
5720.00	48.25	32.65	7.64	2.72	41.92	49.34	110.80	-61.46	Vertical
5725.00	49.45	32.65	7.69	2.72	41.94	50.57	122.20	-71.63	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	48.22	32.67	7.90	2.69	42.03	49.45	122.20	-72.75	Horizontal
5855.00	48.62	32.67	7.90	2.72	42.03	49.88	110.80	-60.92	Horizontal
5875.00	48.93	32.68	7.91	2.72	42.03	50.21	105.20	-54.99	Horizontal
5925.00	48.37	32.69	7.92	2.72	42.04	49.66	68.20	-18.54	Horizontal
5850.00	48.23	32.67	7.90	2.69	42.03	49.46	122.20	-72.74	Vertical
5855.00	48.44	32.67	7.90	2.72	42.03	49.70	110.80	-61.10	Vertical
5875.00	47.13	32.68	7.91	2.72	42.03	48.41	105.20	-56.79	Vertical
5925.00	48.07	32.69	7.92	2.72	42.04	49.36	68.20	-18.84	Vertical
Remark:									
3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	47.67	32.63	7.45	2.69	41.85	48.59	68.20	-19.61	Horizontal
5700.00	48.84	32.64	7.60	2.72	41.90	49.90	105.20	-55.30	Horizontal
5720.00	49.78	32.65	7.64	2.72	41.92	50.87	110.80	-59.93	Horizontal
5725.00	50.99	32.65	7.69	2.72	41.94	52.11	122.20	-70.09	Horizontal
5650.00	48.06	32.63	7.45	2.69	41.85	48.98	68.20	-19.22	Vertical
5700.00	48.46	32.64	7.60	2.72	41.90	49.52	105.20	-55.68	Vertical
5720.00	48.66	32.65	7.64	2.72	41.92	49.75	110.80	-61.05	Vertical
5725.00	49.12	32.65	7.69	2.72	41.94	50.24	122.20	-71.96	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	48.02	32.67	7.90	2.69	42.03	49.25	122.20	-72.95	Horizontal
5855.00	48.48	32.67	7.90	2.72	42.03	49.74	110.80	-61.06	Horizontal
5875.00	48.59	32.68	7.91	2.72	42.03	49.87	105.20	-55.33	Horizontal
5925.00	48.32	32.69	7.92	2.72	42.04	49.61	68.20	-18.59	Horizontal
5850.00	47.74	32.67	7.90	2.69	42.03	48.97	122.20	-73.23	Vertical
5855.00	48.69	32.67	7.90	2.72	42.03	49.95	110.80	-60.85	Vertical
5875.00	47.00	32.68	7.91	2.72	42.03	48.28	105.20	-56.92	Vertical
5925.00	48.27	32.69	7.92	2.72	42.04	49.56	68.20	-18.64	Vertical
Remark: 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	49.46	32.63	7.45	2.69	41.85	50.38	68.20	-17.82	Horizontal
5700.00	50.02	32.64	7.60	2.72	41.90	51.08	105.20	-54.12	Horizontal
5720.00	50.67	32.65	7.64	2.72	41.92	51.76	110.80	-59.04	Horizontal
5725.00	51.00	32.65	7.69	2.72	41.94	52.12	122.20	-70.08	Horizontal
5650.00	47.38	32.63	7.45	2.69	41.85	48.30	68.20	-19.90	Vertical
5700.00	48.34	32.64	7.60	2.72	41.90	49.40	105.20	-55.80	Vertical
5720.00	51.20	32.65	7.64	2.72	41.92	52.29	110.80	-58.51	Vertical
5725.00	52.33	32.65	7.69	2.72	41.94	53.45	122.20	-68.75	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	47.79	32.67	7.90	2.69	42.03	49.02	122.20	-73.18	Horizontal
5855.00	47.58	32.67	7.90	2.72	42.03	48.84	110.80	-61.96	Horizontal
5875.00	48.19	32.68	7.91	2.72	42.03	49.47	105.20	-55.73	Horizontal
5925.00	47.77	32.69	7.92	2.72	42.04	49.06	68.20	-19.14	Horizontal
5850.00	47.58	32.67	7.90	2.69	42.03	48.81	122.20	-73.39	Vertical
5855.00	48.39	32.67	7.90	2.72	42.03	49.65	110.80	-61.15	Vertical
5875.00	47.75	32.68	7.91	2.72	42.03	49.03	105.20	-56.17	Vertical
5925.00	48.11	32.69	7.92	2.72	42.04	49.40	68.20	-18.80	Vertical
Remark: 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

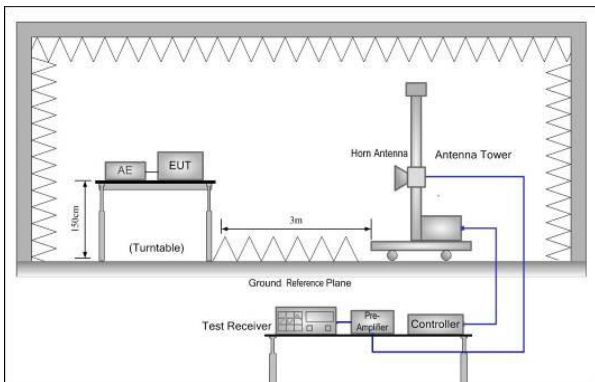
Band 4 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	46.84	32.63	7.45	2.69	41.85	47.76	68.20	-20.44	Horizontal
5700.00	48.68	32.64	7.60	2.72	41.90	49.74	105.20	-55.46	Horizontal
5720.00	49.56	32.65	7.64	2.72	41.92	50.65	110.80	-60.15	Horizontal
5725.00	51.44	32.65	7.69	2.72	41.94	52.56	122.20	-69.64	Horizontal
5650.00	47.93	32.63	7.45	2.69	41.85	48.85	68.20	-19.35	Vertical
5700.00	48.11	32.64	7.60	2.72	41.90	49.17	105.20	-56.03	Vertical
5720.00	48.27	32.65	7.64	2.72	41.92	49.36	110.80	-61.44	Vertical
5725.00	49.39	32.65	7.69	2.72	41.94	50.51	122.20	-71.69	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	48.23	32.67	7.90	2.69	42.03	49.46	122.20	-72.74	Horizontal
5855.00	48.62	32.67	7.90	2.72	42.03	49.88	110.80	-60.92	Horizontal
5875.00	48.43	32.68	7.91	2.72	42.03	49.71	105.20	-55.49	Horizontal
5925.00	48.34	32.69	7.92	2.72	42.04	49.63	68.20	-18.57	Horizontal
5850.00	48.22	32.67	7.90	2.69	42.03	49.45	122.20	-72.75	Vertical
5855.00	48.85	32.67	7.90	2.72	42.03	50.11	110.80	-60.69	Vertical
5875.00	47.51	32.68	7.91	2.72	42.03	48.79	105.20	-56.41	Vertical
5925.00	47.74	32.69	7.92	2.72	42.04	49.03	68.20	-19.17	Vertical
Remark: 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	49.32	32.63	7.45	2.69	41.85	50.24	68.20	-17.96	Horizontal
5700.00	50.24	32.64	7.60	2.72	41.90	51.30	105.20	-53.90	Horizontal
5720.00	50.84	32.65	7.64	2.72	41.92	51.93	110.80	-58.87	Horizontal
5725.00	51.24	32.65	7.69	2.72	41.94	52.36	122.20	-69.84	Horizontal
5650.00	47.12	32.63	7.45	2.69	41.85	48.04	68.20	-20.16	Vertical
5700.00	48.31	32.64	7.60	2.72	41.90	49.37	105.20	-55.83	Vertical
5720.00	50.95	32.65	7.64	2.72	41.92	52.04	110.80	-58.76	Vertical
5725.00	52.19	32.65	7.69	2.72	41.94	53.31	122.20	-68.89	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	47.85	32.67	7.90	2.69	42.03	49.08	122.20	-73.12	Horizontal
5855.00	48.05	32.67	7.90	2.72	42.03	49.31	110.80	-61.49	Horizontal
5875.00	48.09	32.68	7.91	2.72	42.03	49.37	105.20	-55.83	Horizontal
5925.00	48.11	32.69	7.92	2.72	42.04	49.40	68.20	-18.80	Horizontal
5850.00	47.62	32.67	7.90	2.69	42.03	48.85	122.20	-73.35	Vertical
5855.00	48.27	32.67	7.90	2.72	42.03	49.53	110.80	-61.27	Vertical
5875.00	47.28	32.68	7.91	2.72	42.03	48.56	105.20	-56.64	Vertical
5925.00	47.86	32.69	7.92	2.72	42.04	49.15	68.20	-19.05	Vertical
Remark: 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

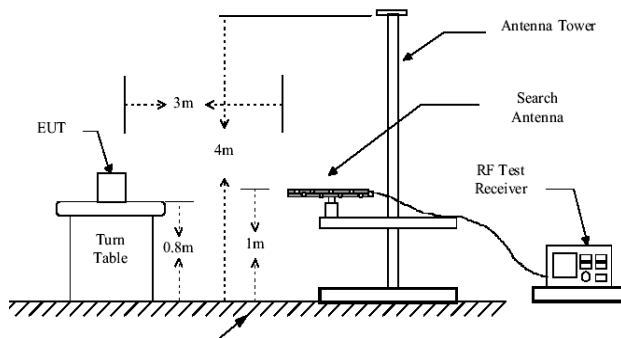
Band 4 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	49.07	32.63	7.45	2.69	41.85	49.99	68.20	-18.21	Horizontal
5700.00	55.46	32.64	7.60	2.72	41.90	56.52	105.20	-48.68	Horizontal
5720.00	55.52	32.65	7.64	2.72	41.92	56.61	110.80	-54.19	Horizontal
5725.00	56.43	32.65	7.69	2.72	41.94	57.55	122.20	-64.65	Horizontal
5650.00	47.81	32.63	7.45	2.69	41.85	48.73	68.20	-19.47	Vertical
5700.00	54.20	32.64	7.60	2.72	41.90	55.26	105.20	-49.94	Vertical
5720.00	55.27	32.65	7.64	2.72	41.92	56.36	110.80	-54.44	Vertical
5725.00	54.87	32.65	7.69	2.72	41.94	55.99	122.20	-66.21	Vertical
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	48.60	32.67	7.90	2.69	42.03	49.83	122.20	-72.37	Horizontal
5855.00	49.16	32.67	7.90	2.72	42.03	50.42	110.80	-60.38	Horizontal
5875.00	47.71	32.68	7.91	2.72	42.03	48.99	105.20	-56.21	Horizontal
5925.00	47.80	32.69	7.92	2.72	42.04	49.09	68.20	-19.11	Horizontal
5850.00	48.07	32.67	7.90	2.69	42.03	49.30	122.20	-72.90	Vertical
5855.00	49.07	32.67	7.90	2.72	42.03	50.33	110.80	-60.47	Vertical
5875.00	48.52	32.68	7.91	2.72	42.03	49.80	105.20	-55.40	Vertical
5925.00	48.14	32.69	7.92	2.72	42.04	49.43	68.20	-18.77	Vertical
Remark: 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

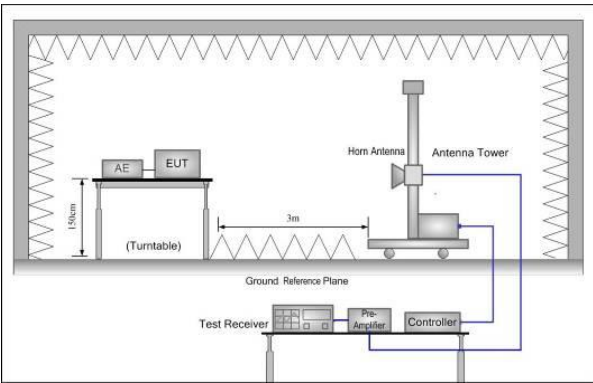
6.7 Spurious Emission

6.7.1 Restricted Band

Test Requirement:	FCC Part15 E Section 15.407(b)				
Test Frequency Range:	4.5 GHz to 5.15 GHz and 5.35GHz to 5.46GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		RMS	1MHz	3MHz	Average Value
Limit:	Frequency		Limit (dBuV/m @3m)		Remark
	Above 1GHz		74.00		Peak Value
			54.00		Average Value
Test Procedure:	1. The EUT was placed on the top of a rotating table 1.5 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 rota 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 setup:					
Test Instruments:	Refer to section 5.10 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed(Refer to section 6.6)				

6.7.2 Unwanted Emissions out of the Restricted Bands

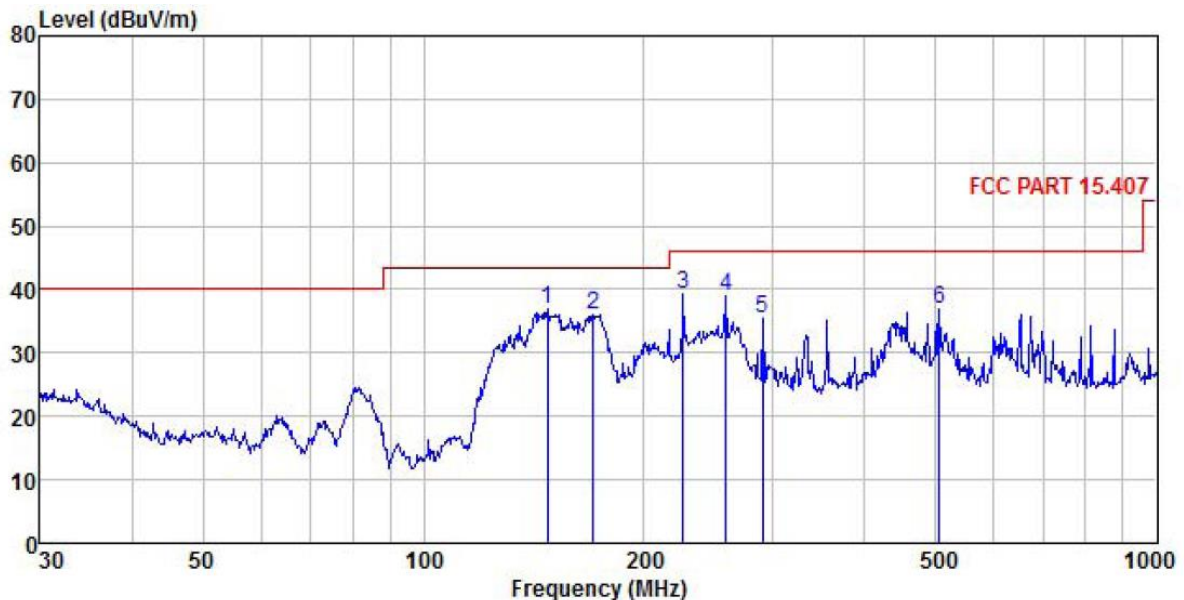
Test Requirement:	FCC Part15 C Section 15.209 and 15.205				
Test Frequency Range:	30MHz to 40GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		RMS	1MHz	3MHz	Average 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		68.20		Peak Value
			54.00		Average Value
Remark: Above 1GHz limit: $E[dB\mu V/m] = EIRP[dBm] + 95.2=68.2 \text{ dBuV/m}$, for $EIPR[dBm]=-27dBm$.					
Test Procedure:	1. The EUT was placed on the top of a rotating table 0.8m(below 1GHz)/1.5m(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 rota 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 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:	Passed

Measurement Data (worst case):

Below 1GHz

Product Name:	JUNCO NBOOK	Product Model:	NB-YWS-I501
Test By:	Mike	Test mode:	5G Wi-Fi Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Humi: 57%

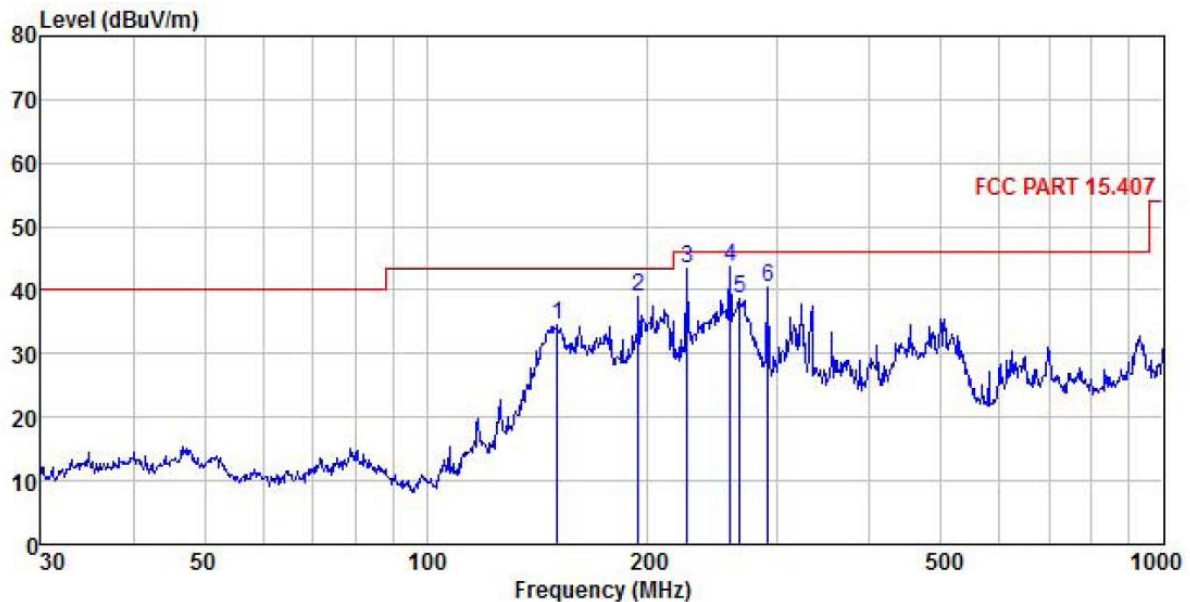


	Freq	ReadAntenna	Cable	Aux	Preamp	Level	Limit	Over	Remark
	MHz	Level	Factor	Loss	Factor	Factor	dBuV/m	dBuV/m	dB
1	147.404	51.30	14.10	0.61	0.00	29.23	36.78	43.50	-6.72 QP
2	170.195	47.89	16.50	0.66	0.00	29.05	36.00	43.50	-7.50 QP
3	226.099	48.80	18.41	0.75	0.00	28.67	39.29	46.00	-6.71 QP
4	258.326	48.13	18.53	0.80	0.00	28.52	38.94	46.00	-7.06 QP
5	290.017	44.44	18.66	0.85	0.00	28.47	35.48	46.00	-10.52 QP
6	504.706	45.43	19.42	1.11	0.00	28.97	36.99	46.00	-9.01 QP

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.
3. The Aux Factor is a notch filter switch box loss, this item is not used.

Product Name:	JUNCO NBOOK	Product Model:	NB-YWS-I501
Test By:	Mike	Test mode:	5G Wi-Fi Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Humi: 57%



	Freq	Read	Antenna	Cable	Aux	Preamp	Level	Limit	Over	Remark
	MHz	Level	Factor	Loss	Factor	Factor	dBuV/m	dBuV/m	Limit	
		dBuV	dB/m	dB	dB	dB			dB	
1	150.538	48.97	14.31	0.62	0.00	29.22	34.68	43.50	-8.82	QP
2	193.773	49.37	17.70	0.71	0.00	28.87	38.91	43.50	-4.59	QP
3	226.099	52.88	18.41	0.75	0.00	28.67	43.37	46.00	-2.63	QP
4	258.326	52.81	18.53	0.80	0.00	28.52	43.62	46.00	-2.38	QP
5	266.609	47.77	18.57	0.81	0.00	28.51	38.64	46.00	-7.36	QP
6	291.036	49.33	18.67	0.85	0.00	28.47	40.38	46.00	-5.62	QP

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.
3. The Aux Factor is a notch filter switch box loss, this item is not used.

Above 1GHz:

ANT1

Band 1:

Band 1 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	37.50	38.83	9.82	3.95	41.97	48.13	68.20	-20.07	Vertical
10360.00	39.09	38.83	9.82	3.95	41.97	49.72	68.20	-18.48	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	30.11	38.83	9.82	3.95	41.97	40.74	54.00	-13.26	Vertical
10360.00	31.09	38.83	9.82	3.95	41.97	41.72	54.00	-12.28	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	37.68	38.87	9.85	3.98	41.95	48.43	68.20	-19.77	Vertical
10400.00	38.87	38.87	9.85	3.98	41.95	49.62	68.20	-18.58	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	30.05	38.87	9.85	3.98	41.95	40.80	54.00	-13.20	Vertical
10400.00	31.37	38.87	9.85	3.98	41.95	42.12	54.00	-11.88	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	37.79	38.94	9.96	4.02	41.88	48.83	68.20	-19.37	Vertical
10480.00	38.78	38.94	9.96	4.02	41.88	49.82	68.20	-18.38	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	30.06	38.94	9.96	4.02	41.88	41.10	54.00	-12.90	Vertical
10480.00	31.78	38.94	9.96	4.02	41.88	42.82	54.00	-11.18	Horizontal
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	37.02	38.83	9.82	3.95	41.97	47.65	68.20	-20.55	Vertical
10360.00	38.73	38.83	9.82	3.95	41.97	49.36	68.20	-18.84	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	30.46	38.83	9.82	3.95	41.97	41.09	54.00	-12.91	Vertical
10360.00	31.53	38.83	9.82	3.95	41.97	42.16	54.00	-11.84	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	37.50	38.87	9.85	3.98	41.95	48.25	68.20	-19.95	Vertical
10400.00	39.01	38.87	9.85	3.98	41.95	49.76	68.20	-18.44	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	30.84	38.87	9.85	3.98	41.95	41.59	54.00	-12.41	Vertical
10400.00	31.31	38.87	9.85	3.98	41.95	42.06	54.00	-11.94	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	37.14	38.94	9.96	4.02	41.88	48.18	68.20	-20.02	Vertical
10480.00	38.68	38.94	9.96	4.02	41.88	49.72	68.20	-18.48	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	30.37	38.94	9.96	4.02	41.88	41.41	54.00	-12.59	Vertical
10480.00	31.26	38.94	9.96	4.02	41.88	42.30	54.00	-11.70	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10380.00	37.00	38.25	9.85	3.95	41.95	47.10	68.20	-21.10	Vertical
10380.00	39.09	38.25	9.85	3.95	41.95	49.19	68.20	-19.01	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10380.00	30.17	38.25	9.85	3.95	41.95	40.27	54.00	-13.73	Vertical
10380.00	31.47	38.25	9.85	3.95	41.95	41.57	54.00	-12.43	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10460.00	37.16	38.92	9.92	3.98	41.90	48.08	68.20	-20.12	Vertical
10460.00	38.72	38.92	9.92	3.98	41.90	49.64	68.20	-18.56	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10460.00	30.24	38.92	9.92	3.98	41.90	41.16	54.00	-12.84	Vertical
10460.00	30.82	38.92	9.92	3.98	41.90	41.74	54.00	-12.26	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	37.49	38.83	9.82	3.95	41.97	48.12	68.20	-20.08	Vertical
10360.00	39.42	38.83	9.82	3.95	41.97	50.05	68.20	-18.15	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	30.29	38.83	9.82	3.95	41.97	40.92	54.00	-13.08	Vertical
10360.00	30.69	38.83	9.82	3.95	41.97	41.32	54.00	-12.68	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	37.09	38.87	9.85	3.98	41.95	47.84	68.20	-20.36	Vertical
10400.00	39.53	38.87	9.85	3.98	41.95	50.28	68.20	-17.92	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	30.22	38.87	9.85	3.98	41.95	40.97	54.00	-13.03	Vertical
10400.00	31.10	38.87	9.85	3.98	41.95	41.85	54.00	-12.15	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	37.45	38.94	9.96	4.02	41.88	48.49	68.20	-19.71	Vertical
10480.00	39.55	38.94	9.96	4.02	41.88	50.59	68.20	-17.61	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	30.33	38.94	9.96	4.02	41.88	41.37	54.00	-12.63	Vertical
10480.00	30.73	38.94	9.96	4.02	41.88	41.77	54.00	-12.23	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10380.00	37.00	38.25	9.85	3.95	41.95	47.10	68.20	-21.10	Vertical
10380.00	39.51	38.25	9.85	3.95	41.95	49.61	68.20	-18.59	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10380.00	29.94	38.25	9.85	3.95	41.95	40.04	54.00	-13.96	Vertical
10380.00	30.93	38.25	9.85	3.95	41.95	41.03	54.00	-12.97	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10460.00	36.83	38.92	9.92	3.98	41.90	47.75	68.20	-20.45	Vertical
10460.00	40.01	38.92	9.92	3.98	41.90	50.93	68.20	-17.27	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10460.00	30.25	38.92	9.92	3.98	41.90	41.17	54.00	-12.83	Vertical
10460.00	31.51	38.92	9.92	3.98	41.90	42.43	54.00	-11.57	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10420.00	36.57	38.89	9.89	3.98	41.93	47.40	68.20	-20.80	Vertical
10420.00	39.50	38.89	9.89	3.98	41.93	50.33	68.20	-17.87	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10420.00	29.72	38.89	9.89	3.98	41.93	40.55	54.00	-13.45	Vertical
10420.00	30.63	38.89	9.89	3.98	41.93	41.46	54.00	-12.54	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4:

Band 4 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	37.86	39.50	10.81	4.21	42.29	45.88	74.00	-28.12	Vertical
11490.00	37.63	39.50	10.81	4.21	42.29	45.65	74.00	-28.35	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	30.22	39.50	10.81	4.21	42.29	38.24	54.00	-15.76	Vertical
11490.00	30.31	39.50	10.81	4.21	42.29	38.33	54.00	-15.67	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	37.58	39.52	10.78	4.21	42.27	45.61	74.00	-28.39	Vertical
11570.00	37.29	39.52	10.78	4.21	42.27	45.32	74.00	-28.68	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	30.33	39.52	10.78	4.21	42.27	38.36	54.00	-15.64	Vertical
11570.00	30.14	39.52	10.78	4.21	42.27	38.17	54.00	-15.83	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	37.95	39.53	10.76	4.21	42.26	45.98	74.00	-28.02	Vertical
11650.00	37.49	39.53	10.76	4.21	42.26	45.52	74.00	-28.48	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	29.97	39.53	10.76	4.21	42.26	38.00	54.00	-16.00	Vertical
11650.00	29.81	39.53	10.76	4.21	42.26	37.84	54.00	-16.16	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	37.55	39.50	10.81	4.21	42.29	45.57	74.00	-28.43	Vertical
11490.00	37.38	39.50	10.81	4.21	42.29	45.40	74.00	-28.60	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	30.41	39.50	10.81	4.21	42.29	38.43	54.00	-15.57	Vertical
11490.00	30.31	39.50	10.81	4.21	42.29	38.33	54.00	-15.67	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	37.56	39.52	10.78	4.21	42.27	45.59	74.00	-28.41	Vertical
11570.00	37.63	39.52	10.78	4.21	42.27	45.66	74.00	-28.34	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	30.28	39.52	10.78	4.21	42.27	38.31	54.00	-15.69	Vertical
11570.00	30.28	39.52	10.78	4.21	42.27	38.31	54.00	-15.69	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	37.66	39.53	10.76	4.21	42.26	45.69	74.00	-28.31	Vertical
11650.00	37.89	39.53	10.76	4.21	42.26	45.92	74.00	-28.08	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	30.44	39.53	10.76	4.21	42.26	38.47	54.00	-15.53	Vertical
11650.00	30.54	39.53	10.76	4.21	42.26	38.57	54.00	-15.43	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11510.00	37.35	39.50	10.81	4.21	42.29	45.37	74.00	-28.63	Vertical
11510.00	36.96	39.50	10.81	4.21	42.29	44.98	74.00	-29.02	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11510.00	30.88	39.50	10.81	4.21	42.29	38.90	54.00	-15.10	Vertical
11510.00	30.72	39.50	10.81	4.21	42.29	38.74	54.00	-15.26	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11590.00	37.53	39.52	10.77	4.21	42.27	45.55	74.00	-28.45	Vertical
11590.00	37.11	39.52	10.77	4.21	42.27	45.13	74.00	-28.87	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11590.00	31.37	39.52	10.77	4.21	42.27	39.39	54.00	-14.61	Vertical
11590.00	30.71	39.52	10.77	4.21	42.27	38.73	54.00	-15.27	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	37.73	39.50	10.81	4.21	42.29	45.75	74.00	-28.25	Vertical
11490.00	37.45	39.50	10.81	4.21	42.29	45.47	74.00	-28.53	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	29.70	39.50	10.81	4.21	42.29	37.72	54.00	-16.28	Vertical
11490.00	29.87	39.50	10.81	4.21	42.29	37.89	54.00	-16.11	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	37.49	39.52	10.78	4.21	42.27	45.52	74.00	-28.48	Vertical
11570.00	36.97	39.52	10.78	4.21	42.27	45.00	74.00	-29.00	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	29.37	39.52	10.78	4.21	42.27	37.40	54.00	-16.60	Vertical
11570.00	30.36	39.52	10.78	4.21	42.27	38.39	54.00	-15.61	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	37.51	39.53	10.76	4.21	42.26	45.54	74.00	-28.46	Vertical
11650.00	36.47	39.53	10.76	4.21	42.26	44.50	74.00	-29.50	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	29.49	39.53	10.76	4.21	42.26	37.52	54.00	-16.48	Vertical
11650.00	29.86	39.53	10.76	4.21	42.26	37.89	54.00	-16.11	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11510.00	37.45	39.50	10.81	4.21	42.29	45.47	74.00	-28.53	Vertical
11510.00	37.44	39.50	10.81	4.21	42.29	45.46	74.00	-28.54	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11510.00	30.32	39.50	10.81	4.21	42.29	38.34	54.00	-15.66	Vertical
11510.00	30.30	39.50	10.81	4.21	42.29	38.32	54.00	-15.68	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11590.00	37.94	39.52	10.77	4.21	42.27	45.96	74.00	-28.04	Vertical
11590.00	37.02	39.52	10.77	4.21	42.27	45.04	74.00	-28.96	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11590.00	30.75	39.52	10.77	4.21	42.27	38.77	54.00	-15.23	Vertical
11590.00	30.38	39.52	10.77	4.21	42.27	38.40	54.00	-15.60	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11550.00	37.23	39.51	10.80	4.21	42.28	45.26	74.00	-28.74	Vertical
11550.00	36.60	39.51	10.80	4.21	42.28	44.63	74.00	-29.37	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11550.00	31.33	39.51	10.80	4.21	42.28	39.36	54.00	-14.64	Vertical
11550.00	30.39	39.51	10.80	4.21	42.28	38.42	54.00	-15.58	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

ANT2

Band 1:

Band 1 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	37.72	38.83	9.82	3.95	41.97	48.35	68.20	-19.85	Vertical
10360.00	38.90	38.83	9.82	3.95	41.97	49.53	68.20	-18.67	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	30.96	38.83	9.82	3.95	41.97	41.59	54.00	-12.41	Vertical
10360.00	30.06	38.83	9.82	3.95	41.97	40.69	54.00	-13.31	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	38.03	38.87	9.85	3.98	41.95	48.78	68.20	-19.42	Vertical
10400.00	38.68	38.87	9.85	3.98	41.95	49.43	68.20	-18.77	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	31.42	38.87	9.85	3.98	41.95	42.17	54.00	-11.83	Vertical
10400.00	30.48	38.87	9.85	3.98	41.95	41.23	54.00	-12.77	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	38.14	38.94	9.96	4.02	41.88	49.18	68.20	-19.02	Vertical
10480.00	38.43	38.94	9.96	4.02	41.88	49.47	68.20	-18.73	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	31.32	38.94	9.96	4.02	41.88	42.36	54.00	-11.64	Vertical
10480.00	30.89	38.94	9.96	4.02	41.88	41.93	54.00	-12.07	Horizontal
Remark:									
3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	38.51	38.83	9.82	3.95	41.97	49.14	68.20	-19.06	Vertical
10360.00	38.34	38.83	9.82	3.95	41.97	48.97	68.20	-19.23	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	31.13	38.83	9.82	3.95	41.97	41.76	54.00	-12.24	Vertical
10360.00	30.75	38.83	9.82	3.95	41.97	41.38	54.00	-12.62	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	38.10	38.87	9.85	3.98	41.95	48.85	68.20	-19.35	Vertical
10400.00	37.90	38.87	9.85	3.98	41.95	48.65	68.20	-19.55	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	31.61	38.87	9.85	3.98	41.95	42.36	54.00	-11.64	Vertical
10400.00	30.30	38.87	9.85	3.98	41.95	41.05	54.00	-12.95	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	38.53	38.94	9.96	4.02	41.88	49.57	68.20	-18.63	Vertical
10480.00	37.46	38.94	9.96	4.02	41.88	48.50	68.20	-19.70	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	31.30	38.94	9.96	4.02	41.88	42.34	54.00	-11.66	Vertical
10480.00	29.88	38.94	9.96	4.02	41.88	40.92	54.00	-13.08	Horizontal
Remark: 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10380.00	38.28	38.25	9.85	3.95	41.95	48.38	68.20	-19.82	Vertical
10380.00	38.76	38.25	9.85	3.95	41.95	48.86	68.20	-19.34	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10380.00	30.99	38.25	9.85	3.95	41.95	41.09	54.00	-12.91	Vertical
10380.00	30.82	38.25	9.85	3.95	41.95	40.92	54.00	-13.08	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10460.00	37.85	38.92	9.92	3.98	41.90	48.77	68.20	-19.43	Vertical
10460.00	38.34	38.92	9.92	3.98	41.90	49.26	68.20	-18.94	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10460.00	31.25	38.92	9.92	3.98	41.90	42.17	54.00	-11.83	Vertical
10460.00	30.89	38.92	9.92	3.98	41.90	41.81	54.00	-12.19	Horizontal
Remark: 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	37.92	38.83	9.82	3.95	41.97	48.55	68.20	-19.65	Vertical
10360.00	38.76	38.83	9.82	3.95	41.97	49.39	68.20	-18.81	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	30.67	38.83	9.82	3.95	41.97	41.30	54.00	-12.70	Vertical
10360.00	30.54	38.83	9.82	3.95	41.97	41.17	54.00	-12.83	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	37.42	38.87	9.85	3.98	41.95	48.17	68.20	-20.03	Vertical
10400.00	38.84	38.87	9.85	3.98	41.95	49.59	68.20	-18.61	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	31.15	38.87	9.85	3.98	41.95	41.90	54.00	-12.10	Vertical
10400.00	30.59	38.87	9.85	3.98	41.95	41.34	54.00	-12.66	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	37.55	38.94	9.96	4.02	41.88	48.59	68.20	-19.61	Vertical
10480.00	38.95	38.94	9.96	4.02	41.88	49.99	68.20	-18.21	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	30.84	38.94	9.96	4.02	41.88	41.88	54.00	-12.12	Vertical
10480.00	30.39	38.94	9.96	4.02	41.88	41.43	54.00	-12.57	Horizontal
Remark: 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10380.00	37.60	38.25	9.85	3.95	41.95	47.70	68.20	-20.50	Vertical
10380.00	39.15	38.25	9.85	3.95	41.95	49.25	68.20	-18.95	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10380.00	30.93	38.25	9.85	3.95	41.95	41.03	54.00	-12.97	Vertical
10380.00	30.17	38.25	9.85	3.95	41.95	40.27	54.00	-13.73	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10460.00	37.21	38.92	9.92	3.98	41.90	48.13	68.20	-20.07	Vertical
10460.00	39.11	38.92	9.92	3.98	41.90	50.03	68.20	-18.17	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10460.00	31.17	38.92	9.92	3.98	41.90	42.09	54.00	-11.91	Vertical
10460.00	30.38	38.92	9.92	3.98	41.90	41.30	54.00	-12.70	Horizontal
Remark: 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10420.00	39.55	38.89	9.89	3.98	41.93	50.38	68.20	-17.82	Vertical
10420.00	38.94	38.89	9.89	3.98	41.93	49.77	68.20	-18.43	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10420.00	31.10	38.89	9.89	3.98	41.93	41.93	54.00	-12.07	Vertical
10420.00	31.33	38.89	9.89	3.98	41.93	42.16	54.00	-11.84	Horizontal
Remark: 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4:

Band 4 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	38.71	39.50	10.81	4.21	42.29	46.73	74.00	-27.27	Vertical
11490.00	39.06	39.50	10.81	4.21	42.29	47.08	74.00	-26.92	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	30.12	39.50	10.81	4.21	42.29	38.14	54.00	-15.86	Vertical
11490.00	31.66	39.50	10.81	4.21	42.29	39.68	54.00	-14.32	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	38.43	39.52	10.78	4.21	42.27	46.46	74.00	-27.54	Vertical
11570.00	39.00	39.52	10.78	4.21	42.27	47.03	74.00	-26.97	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	30.01	39.52	10.78	4.21	42.27	38.04	54.00	-15.96	Vertical
11570.00	31.77	39.52	10.78	4.21	42.27	39.80	54.00	-14.20	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	38.21	39.53	10.76	4.21	42.26	46.24	74.00	-27.76	Vertical
11650.00	39.44	39.53	10.76	4.21	42.26	47.47	74.00	-26.53	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	29.88	39.53	10.76	4.21	42.26	37.91	54.00	-16.09	Vertical
11650.00	31.86	39.53	10.76	4.21	42.26	39.89	54.00	-14.11	Horizontal
Remark: 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	38.79	39.50	10.81	4.21	42.29	46.81	74.00	-27.19	Vertical
11490.00	38.90	39.50	10.81	4.21	42.29	46.92	74.00	-27.08	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	29.88	39.50	10.81	4.21	42.29	37.90	54.00	-16.10	Vertical
11490.00	31.24	39.50	10.81	4.21	42.29	39.26	54.00	-14.74	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	38.62	39.52	10.78	4.21	42.27	46.65	74.00	-27.35	Vertical
11570.00	39.01	39.52	10.78	4.21	42.27	47.04	74.00	-26.96	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	29.38	39.52	10.78	4.21	42.27	37.41	54.00	-16.59	Vertical
11570.00	31.03	39.52	10.78	4.21	42.27	39.06	54.00	-14.94	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	38.53	39.53	10.76	4.21	42.26	46.56	74.00	-27.44	Vertical
11650.00	39.32	39.53	10.76	4.21	42.26	47.35	74.00	-26.65	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	29.36	39.53	10.76	4.21	42.26	37.39	54.00	-16.61	Vertical
11650.00	31.10	39.53	10.76	4.21	42.26	39.13	54.00	-14.87	Horizontal
Remark: 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

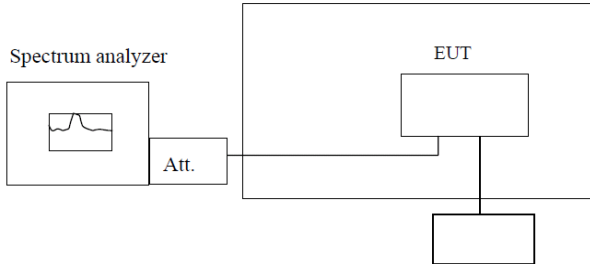
Band 4 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11510.00	39.00	39.50	10.81	4.21	42.29	47.02	74.00	-26.98	Vertical
11510.00	38.95	39.50	10.81	4.21	42.29	46.97	74.00	-27.03	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11510.00	29.81	39.50	10.81	4.21	42.29	37.83	54.00	-16.17	Vertical
11510.00	31.06	39.50	10.81	4.21	42.29	39.08	54.00	-14.92	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11590.00	38.64	39.52	10.77	4.21	42.27	46.66	74.00	-27.34	Vertical
11590.00	38.55	39.52	10.77	4.21	42.27	46.57	74.00	-27.43	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11590.00	30.02	39.52	10.77	4.21	42.27	38.04	54.00	-15.96	Vertical
11590.00	31.52	39.52	10.77	4.21	42.27	39.54	54.00	-14.46	Horizontal
Remark: 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	38.24	39.50	10.81	4.21	42.29	46.26	74.00	-27.74	Vertical
11490.00	39.77	39.50	10.81	4.21	42.29	47.79	74.00	-26.21	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	29.80	39.50	10.81	4.21	42.29	37.82	54.00	-16.18	Vertical
11490.00	31.63	39.50	10.81	4.21	42.29	39.65	54.00	-14.35	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	38.05	39.52	10.78	4.21	42.27	46.08	74.00	-27.92	Vertical
11570.00	40.10	39.52	10.78	4.21	42.27	48.13	74.00	-25.87	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	29.90	39.52	10.78	4.21	42.27	37.93	54.00	-16.07	Vertical
11570.00	32.11	39.52	10.78	4.21	42.27	40.14	54.00	-13.86	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	37.76	39.53	10.76	4.21	42.26	45.79	74.00	-28.21	Vertical
11650.00	39.98	39.53	10.76	4.21	42.26	48.01	74.00	-25.99	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	30.04	39.53	10.76	4.21	42.26	38.07	54.00	-15.93	Vertical
11650.00	31.95	39.53	10.76	4.21	42.26	39.98	54.00	-14.02	Horizontal
Remark: 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11510.00	38.35	39.50	10.81	4.21	42.29	46.37	74.00	-27.63	Vertical
11510.00	38.95	39.50	10.81	4.21	42.29	46.97	74.00	-27.03	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11510.00	29.05	39.50	10.81	4.21	42.29	37.07	54.00	-16.93	Vertical
11510.00	31.04	39.50	10.81	4.21	42.29	39.06	54.00	-14.94	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11590.00	38.43	39.52	10.77	4.21	42.27	46.45	74.00	-27.55	Vertical
11590.00	38.81	39.52	10.77	4.21	42.27	46.83	74.00	-27.17	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11590.00	29.42	39.52	10.77	4.21	42.27	37.44	54.00	-16.56	Vertical
11590.00	30.91	39.52	10.77	4.21	42.27	38.93	54.00	-15.07	Horizontal
Remark: 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11550.00	38.18	39.51	10.80	4.21	42.28	46.21	74.00	-27.79	Vertical
11550.00	38.96	39.51	10.80	4.21	42.28	46.99	74.00	-27.01	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11550.00	29.77	39.51	10.80	4.21	42.28	37.80	54.00	-16.20	Vertical
11550.00	31.33	39.51	10.80	4.21	42.28	39.36	54.00	-14.64	Horizontal
Remark: 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

6.8 Frequency stability

Test Requirement:	FCC Part15 E Section 15.407 (g)
Limit:	Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.
Test setup:	Temperature Chamber  Variable Power Supply Note : Measurement setup for testing on Antenna connector
Test procedure:	1. The EUT is installed in an environment test chamber with external power source. 2. Set the chamber to operate at 50 centigrade and external power source to output at nominal voltage of EUT. 3. A sufficient stabilization period at each temperature is used prior to each frequency measurement. 4. When temperature is stabled, measure the frequency stability. 5. The test shall be performed under -30 to 50 centigrade and 85 to 115 percent of the nominal voltage. Change setting of chamber and external power source to complete all conditions.
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data (the worst channel):

ANT 1:

Band 1:

Voltage vs. Frequency Stability (Lowest channel=5180MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Temp(°C)	Voltage(ac)		
20	10.40V	5179.997643	0.45
	11.55V	5179.974779	4.87
	12.80V	5179.963951	6.96

Temperature vs. Frequency Stability (Lowest channel=5180MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Voltage(ac)	Temp(°C)		
11.55V	-20	5179.987033	2.50
	-10	5179.995377	0.89
	0	5179.968421	6.10
	10	5179.987556	2.40
	20	5179.996681	0.64
	30	5179.974290	4.96
	40	5179.963775	6.99
	50	5179.974929	4.84

Band 4:

Voltage vs. Frequency Stability (Lowest channel=5745MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Temp(°C)	Voltage(ac)		
20	10.40V	5744.974766	4.39
	11.55V	5744.993381	1.15
	12.80V	5744.998588	0.25

Temperature vs. Frequency Stability (Lowest channel=5745MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Voltage(ac)	Temp(°C)		
11.55V	-20	5744.994798	0.91
	-10	5744.993693	1.10
	0	5744.994771	0.91
	10	5744.985355	2.55
	20	5744.993864	1.07
	30	5744.994481	0.96
	40	5744.999347	0.11
	50	5744.992458	1.31

ANT 2:

Band 1:

Voltage vs. Frequency Stability (Lowest channel=5180MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Temp(°C)	Voltage(ac)		
20	10.40V	5179.997643	0.45
	11.55V	5179.974779	4.87
	12.80V	5179.963951	6.96

Temperature vs. Frequency Stability (Lowest channel=5180MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Voltage(ac)	Temp(°C)		
11.55V	-20	5179.987033	2.50
	-10	5179.995377	0.89
	0	5179.968421	6.10
	10	5179.987556	2.40
	20	5179.996681	0.64
	30	5179.974290	4.96
	40	5179.963775	6.99
	50	5179.974929	4.84

Band 4:

Voltage vs. Frequency Stability (Lowest channel=5745MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Temp(°C)	Voltage(ac)		
20	10.40V	5744.974766	4.39
	11.55V	5744.993381	1.15
	12.80V	5744.998588	0.25

Temperature vs. Frequency Stability (Lowest channel=5745MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Voltage(ac)	Temp(°C)		
11.55V	-20	5744.994798	0.91
	-10	5744.993693	1.10
	0	5744.994771	0.91
	10	5744.985355	2.55
	20	5744.993864	1.07
	30	5744.994481	0.96
	40	5744.999347	0.11
	50	5744.992458	1.31