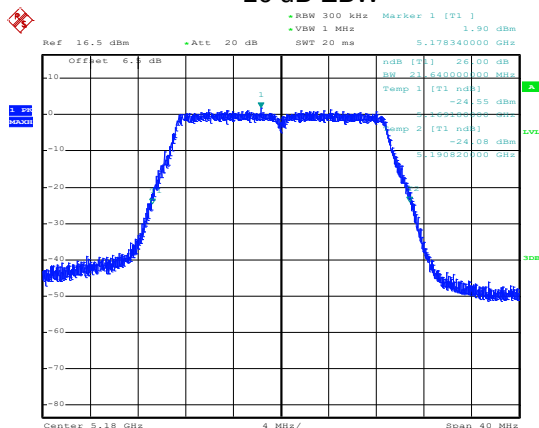


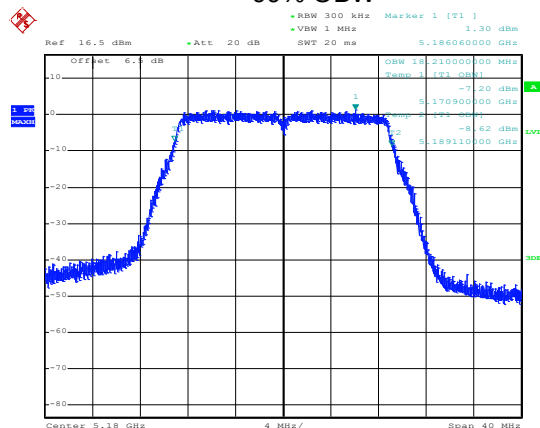
802.11n(HT20)

26 dB EBW



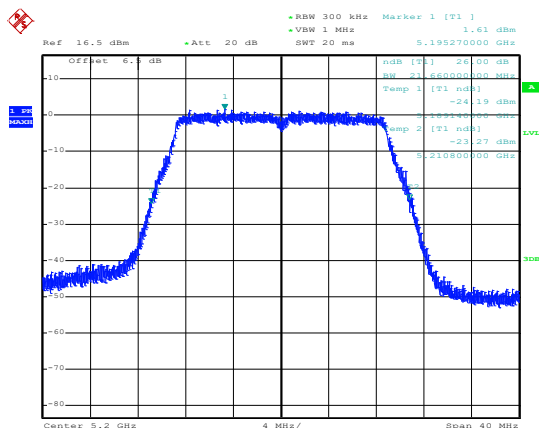
Date: 12.NOV.2020 19:59:53

99% OBW

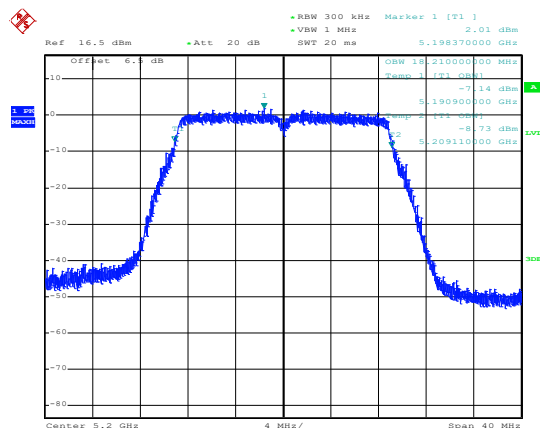


Date: 12.NOV.2020 20:00:04

Lowest channel

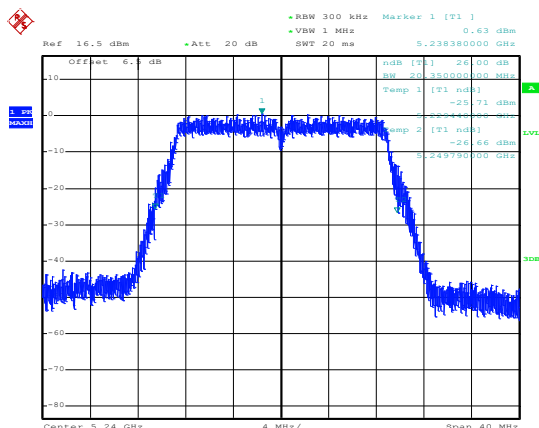


Date: 12.NOV.2020 20:00:38

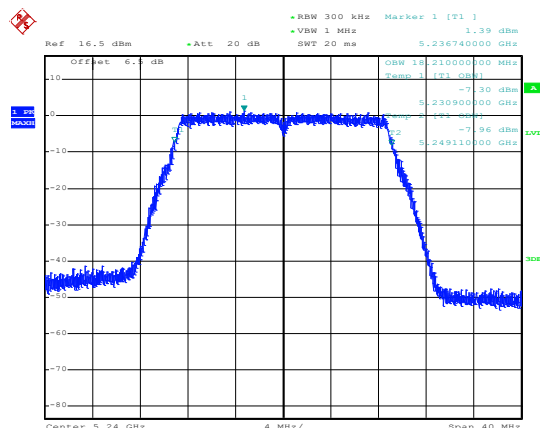


Date: 12.NOV.2020 20:00:30

Middle channel



Date: 12.NOV.2020 20:46:47



Date: 12.NOV.2020 20:01:23

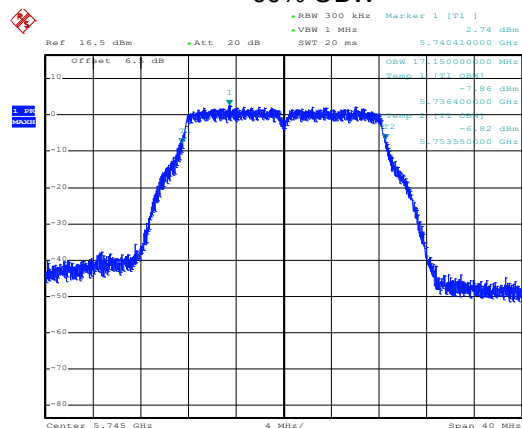
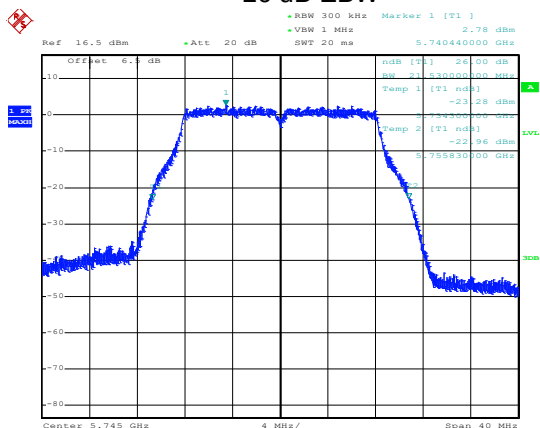
Highest channel

(Module 2)Band 4 ANT4:

802.11a

26 dB EBW

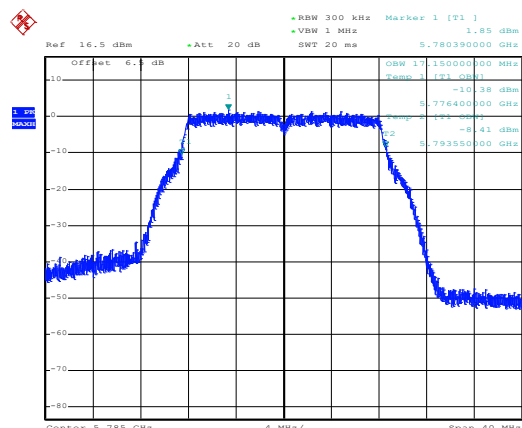
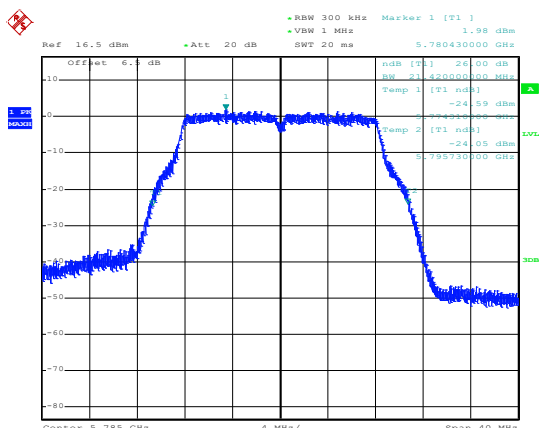
99% OBW



Date: 12.NOV.2020 20:51:04

Date: 12.NOV.2020 20:50:52

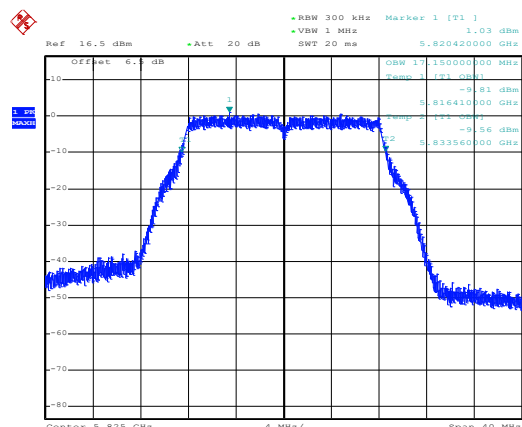
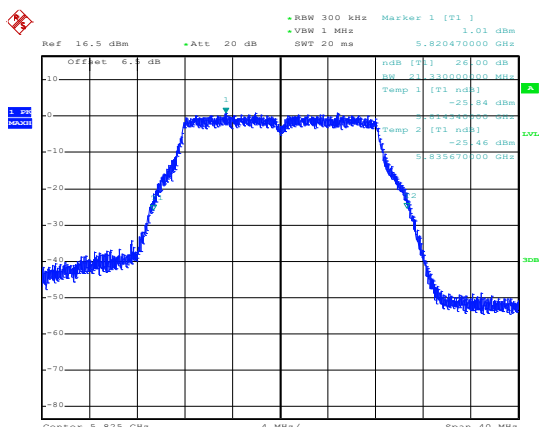
Lowest channel



Date: 12.NOV.2020 20:50:14

Date: 12.NOV.2020 20:50:26

Middle channel



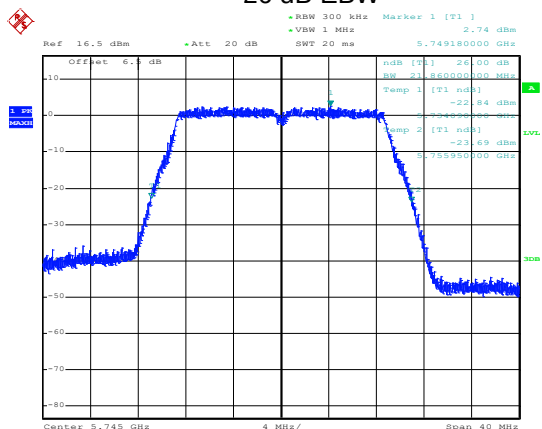
Date: 12.NOV.2020 20:50:04

Date: 12.NOV.2020 20:49:51

Highest channel

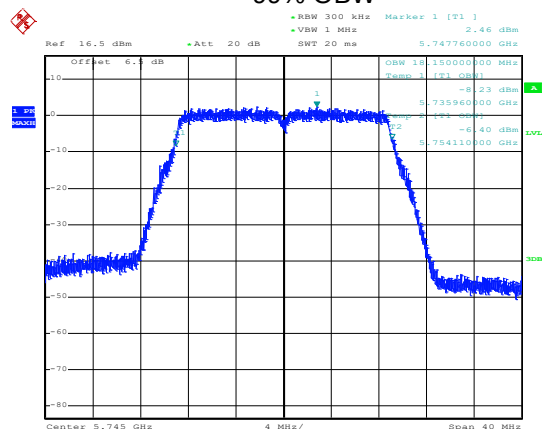
802.11n(HT20)

26 dB EBW



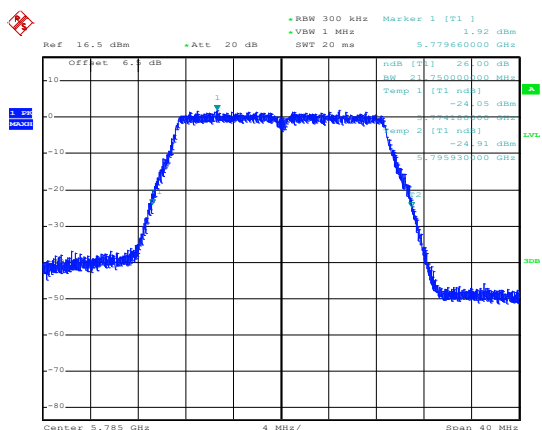
Date: 12.NOV.2020 20:47:05

99% OBW

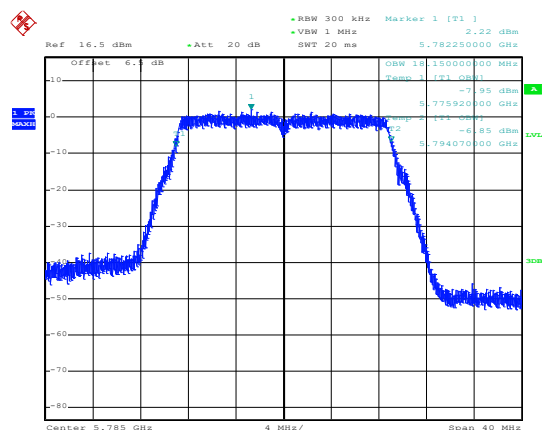


Date: 12.NOV.2020 20:47:28

Lowest channel

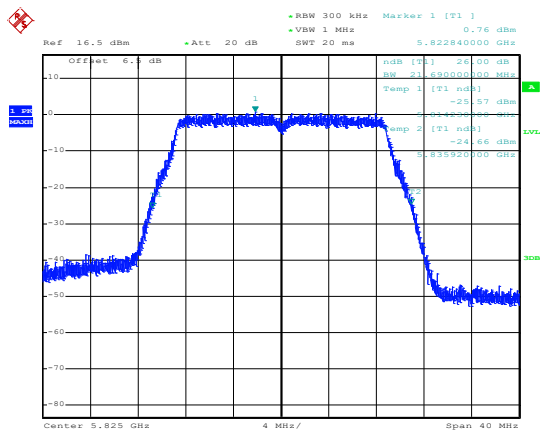


Date: 12.NOV.2020 20:48:01

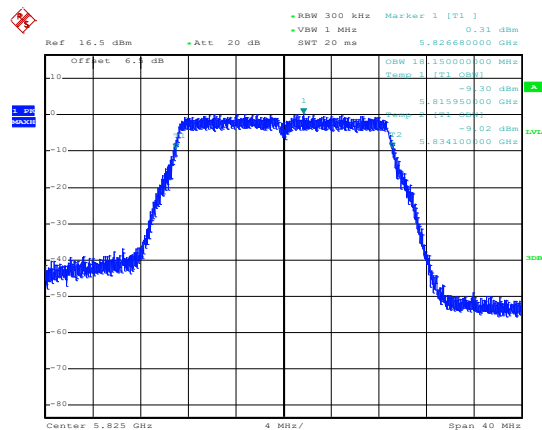


Date: 12.NOV.2020 20:47:50

Middle channel



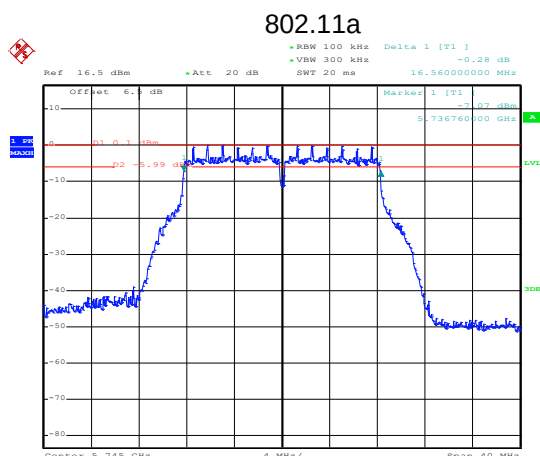
Date: 12.NOV.2020 20:48:16



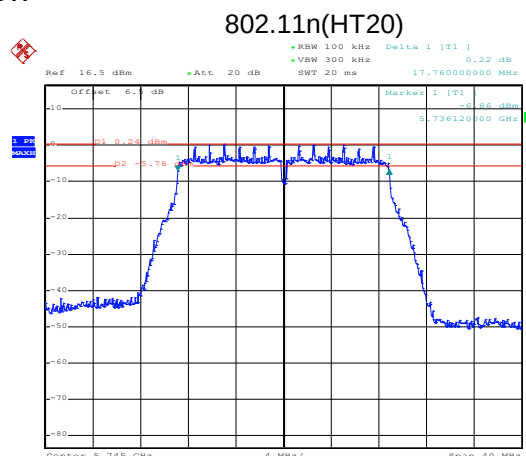
Date: 12.NOV.2020 20:48:39

Highest channel

6dB BW

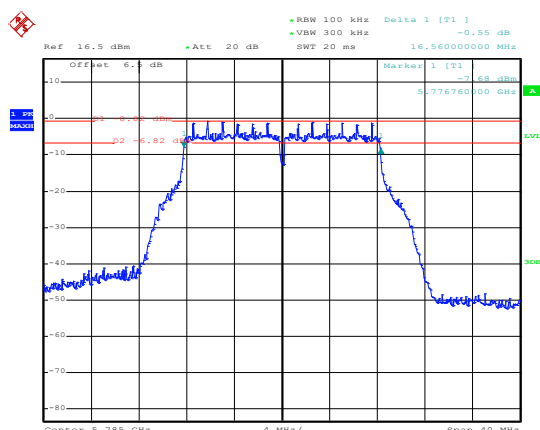


Date: 12.NOV.2020 20:51:42

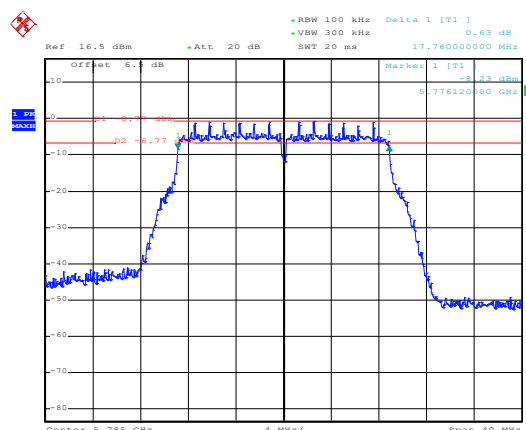


Date: 12.NOV.2020 20:54:30

Lowest channel

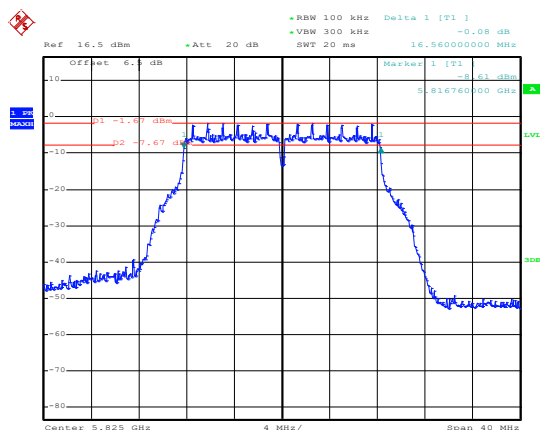


Date: 12.NOV.2020 20:52:11

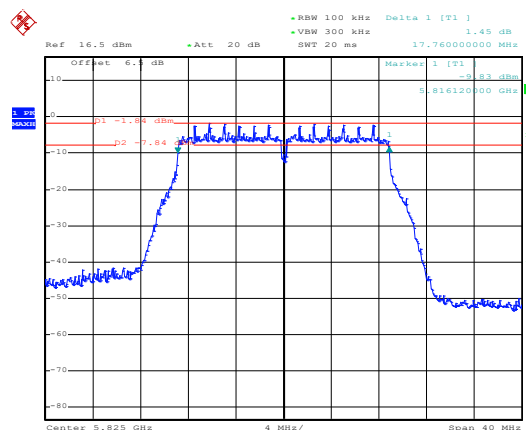


Date: 12.NOV.2020 20:54:00

Middle channel



Date: 12.NOV.2020 20:52:44

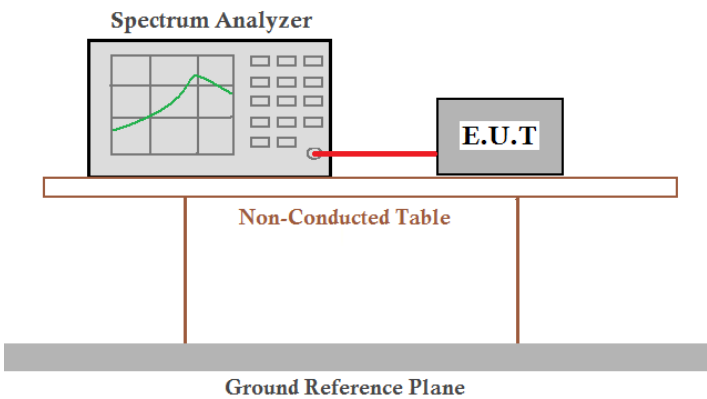


Date: 12.NOV.2020 20:53:21

Highest channel

Highest channel

6.5 Power Spectral Density

Test Requirement:	FCC Part15 E Section 15.407 (a) (1) (iv) & (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 positioned on a table labeled 'Non-Conducted Table'. This table is supported by two vertical legs, which are connected to a horizontal bar at the bottom labeled '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:

Module 1:

Band 1						
Mode	Test CH	Ant. Port	Conducted PSD(dBm/MHz)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
802.11a	Lowest	TX1	5.03	/	11.00	Pass
		TX2	5.87	/		
	Middle	TX1	5.28	/	11.00	Pass
		TX2	5.85	/		
	Highest	TX1	5.55	/	11.00	Pass
		TX2	5.90	/		
802.11n20 (MIMO)	Lowest	TX1	5.03	8.42	10.64	Pass
		TX2	5.75			
	Middle	TX1	5.07	8.47	10.64	Pass
		TX2	5.82			
	Highest	TX1	5.39	8.54	10.64	Pass
		TX2	5.67			
Remark:						
1. Because transmit signals are correlated, Directional gain = $10 \log[(10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(GN/20)})^2 / N_{ANT}]$,So the Directional gain= $10 \log[(10^{(1.6/20)} + 10^{(4.8/20)})^2/2]$ =6.36dBi						
2. The directional Gain of antenna is greater than 6 dBi, so the limit of PSD is 10.64 dBm.						

Band 4						
Mode	Test CH	Ant. Port	Conducted PSD(dBm/500KHz)	Total PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
802.11a	Lowest	TX1	9.06	/	30.00	Pass
		TX2	9.12	/		
	Middle	TX1	9.38	/	30.00	Pass
		TX2	9.74	/		
	Highest	TX1	8.98	/	30.00	Pass
		TX2	9.28	/		
802.11n20 (MIMO)	Lowest	TX1	9.42	11.94	30.00	Pass
		TX2	8.37			
	Middle	TX1	9.29	12.05	30.00	Pass
		TX2	8.77			
	Highest	TX1	9.15	12.21	30.00	Pass
		TX2	9.24			
Remark:						
1. Because transmit signals are correlated, Directional gain = $10 \log[(10^{(G1/20)}+ 10^{(G2/20)}+ \dots + 10^{(GN/20)})^2 /N_{ANT}]$,So the Directional gain= $10 \log[(10^{(-1.4/20)}+ 10^{(4.8/20)})^2/2]$ =5.25dBi						
2. The directional Gain of antenna is less than 6 dBi, so the limit of PSD is 30.00 dBm.						

Module 2:

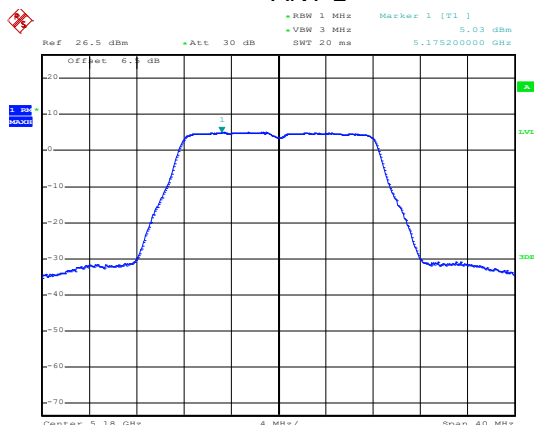
Band 1						
Mode	Test CH	Ant. Port	Conducted PSD(dBm/MHz)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
802.11a	Lowest	TX3	-1.22	/	11.00	Pass
		TX4	-0.79	/		
	Middle	TX3	-1.25	/	11.00	Pass
		TX4	-0.92	/		
	Highest	TX3	-1.28	/	11.00	Pass
		TX4	-0.94	/		
802.11n20	Lowest	TX3	-1.40	1.88	11.00	Pass
		TX4	-0.88			
	Middle	TX3	-1.25	1.76	11.00	Pass
		TX4	-1.25			
	Highest	TX3	-1.47	1.76	11.00	Pass
		TX4	-1.05			
Remark:						
1. Because transmit signals are correlated, Directional gain = $10 \log[(10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(GN/20)})^2 / N_{ANT}]$,So the Directional gain= $10 \log[(10^{(2.1/20)} + 10^{(2.3/20)})^2/2]$ =5.21dBi						
2. The directional Gain of antenna is less than 6 dBi, so the limit of PSD is 11 dBm.						

Band 4						
Mode	Test CH	Ant. Port	Conducted PSD(dBm/500KHz)	Total PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
802.11a	Lowest	TX3	4.97	/	30.00	Pass
		TX4	4.89	/		
	Middle	TX3	3.77	/	30.00	Pass
		TX4	4.14	/		
	Highest	TX3	3.07	/	30.00	Pass
		TX4	2.92	/		
802.11n20	Lowest	TX3	7.36	9.19	30.00	Pass
		TX4	4.56			
	Middle	TX3	4.30	6.97	30.00	Pass
		TX4	3.59			
	Highest	TX3	5.01	7.33	30.00	Pass
		TX4	3.51			
Remark:						
1. Because transmit signals are correlated, Directional gain = $10 \log[(10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(GN/20)})^2 / N_{ANT}]$,So the Directional gain= $10 \log[(10^{(2.3/20)} + 10^{(2.4/20)})^2/2]$ =5.36dBi						
2. The directional Gain of antenna is less than 6 dBi, so the limit of PSD is 30.00 dBm.						

Test plot as follows (module 1):

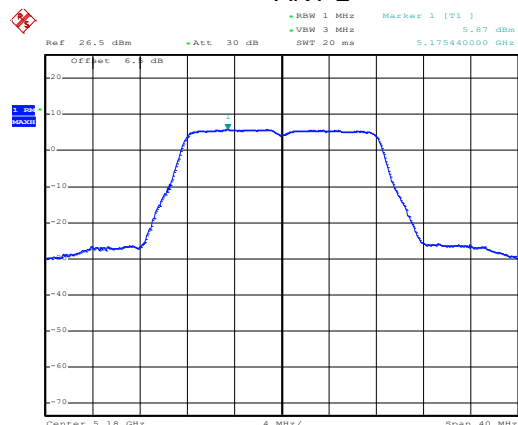
Band 1 802.11a

ANT 1



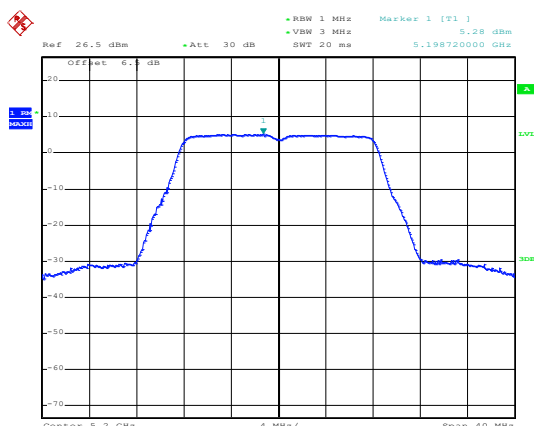
Date: 20.OCT.2020 19:21:50

ANT 2



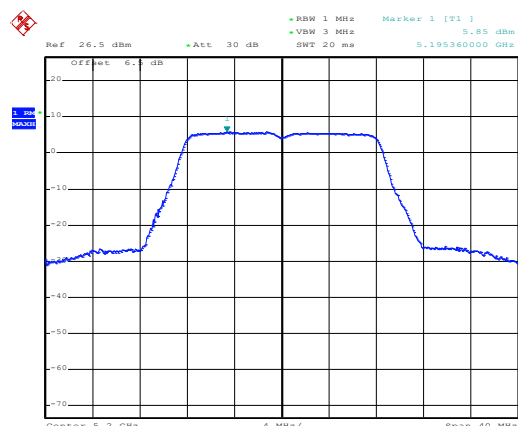
Date: 20.OCT.2020 19:18:10

Lowest channel



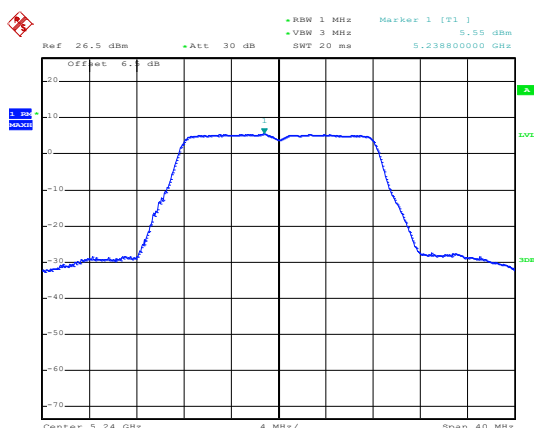
Date: 20.OCT.2020 19:21:59

Middle channel



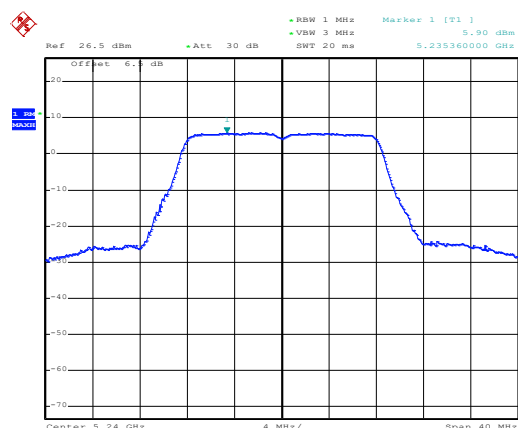
Date: 20.OCT.2020 19:18:19

Middle channel



Date: 20.OCT.2020 19:22:10

Middle channel

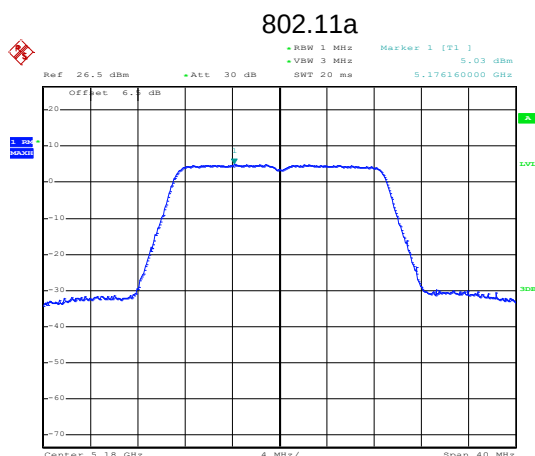


Date: 20.OCT.2020 19:18:27

Highest channel

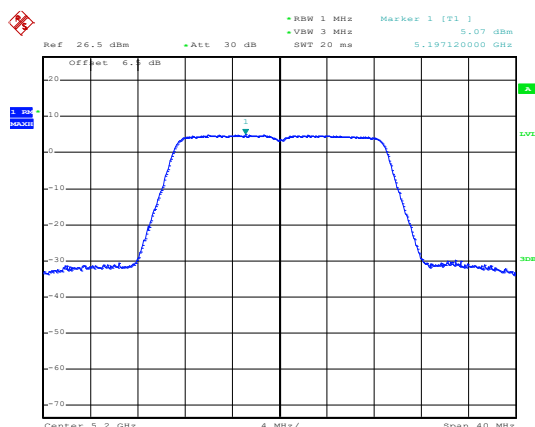
Highest channel

802.11n(HT20)



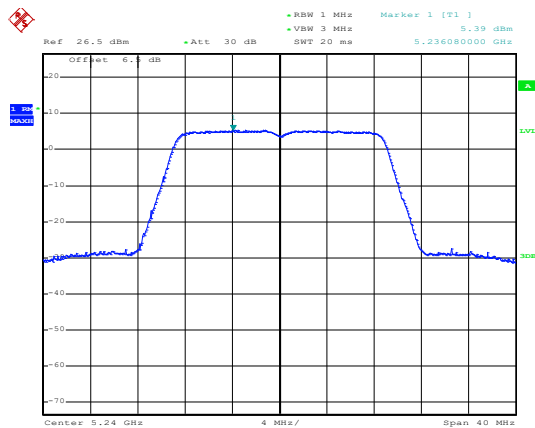
Date: 20.OCT.2020 19:21:39

Lowest channel



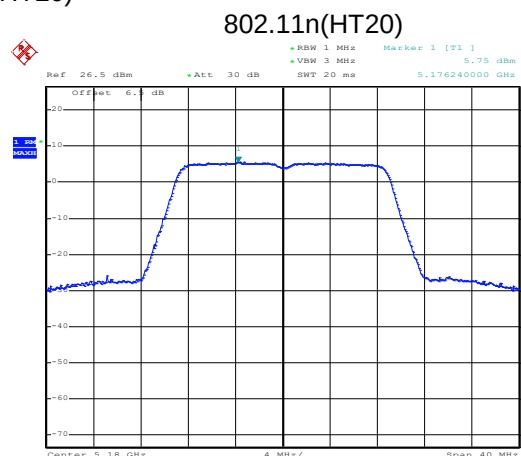
Date: 20.OCT.2020 19:21:28

Middle channel



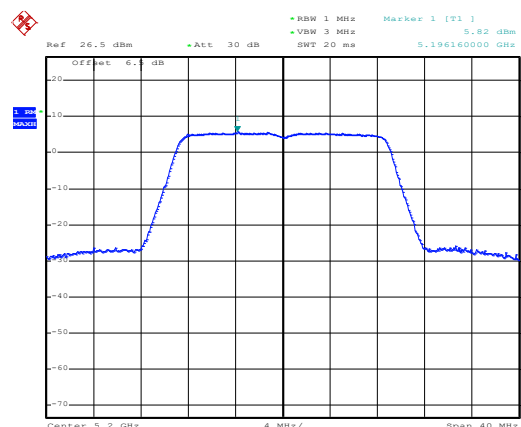
Date: 20.OCT.2020 19:21:18

Highest channel



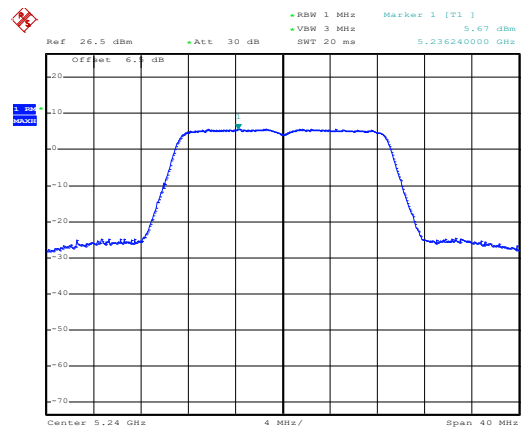
Date: 20.OCT.2020 19:17:58

Middle channel



Date: 20.OCT.2020 19:17:47

Middle channel



Date: 20.OCT.2020 19:17:37

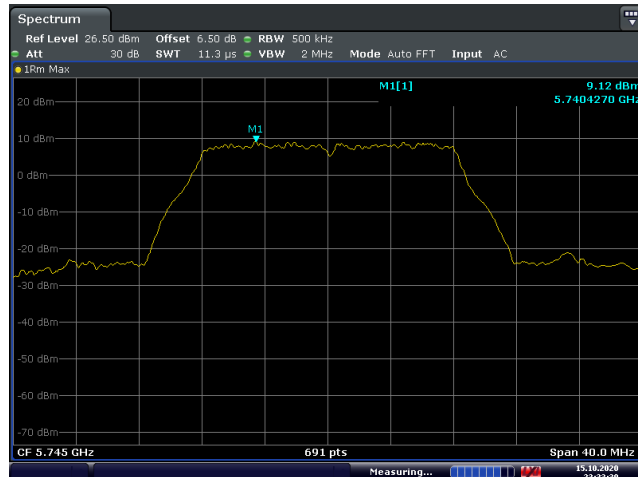
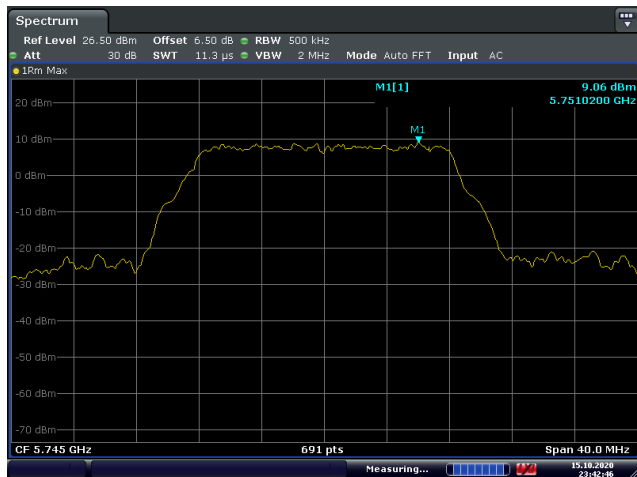
Highest channel

(module 1):

Band 4
802.11a

ANT 1

ANT 2

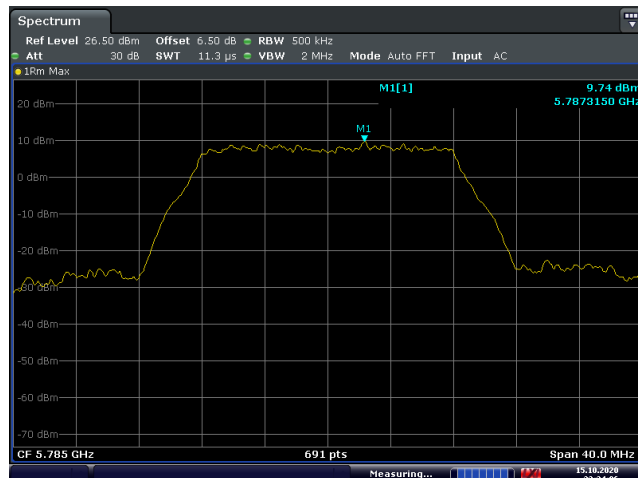
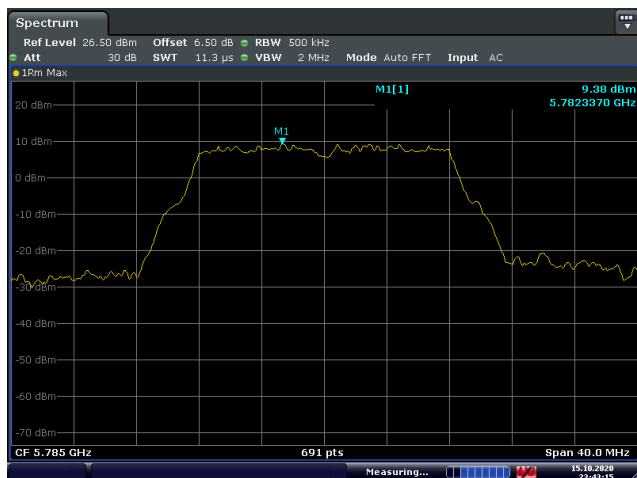


Date: 15.OCT.2020 23:42:45

Date: 15.OCT.2020 23:33:40

Lowest channel

Middle channel

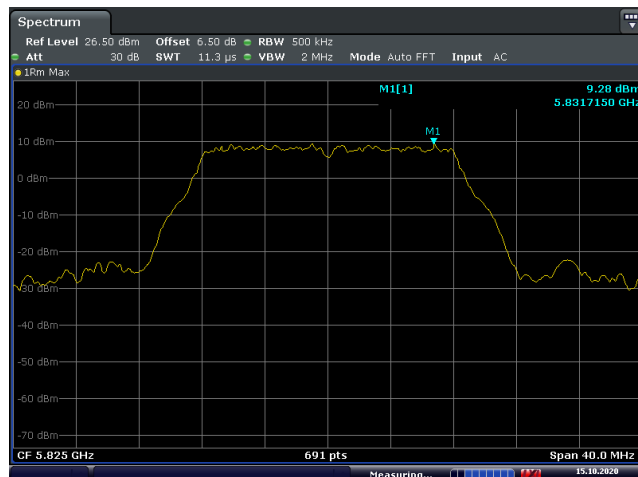
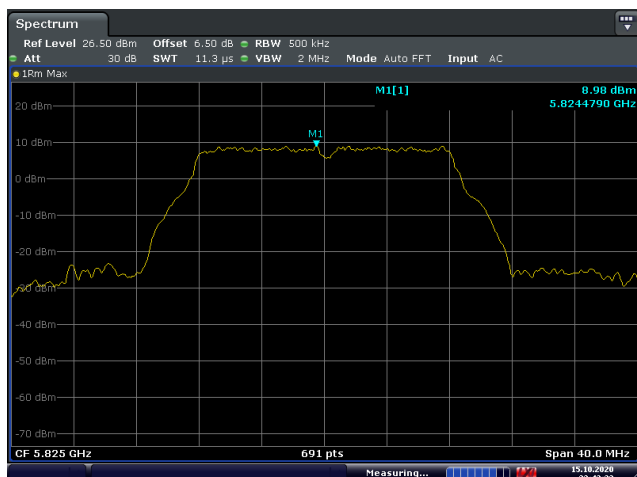


Date: 15.OCT.2020 23:43:15

Date: 15.OCT.2020 23:34:07

Middle channel

Middle channel



Date: 15.OCT.2020 23:43:33

Date: 15.OCT.2020 23:34:22

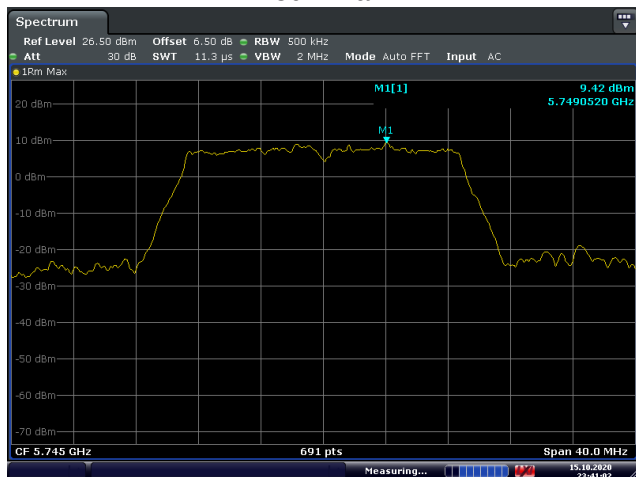
Highest channel

Highest channel

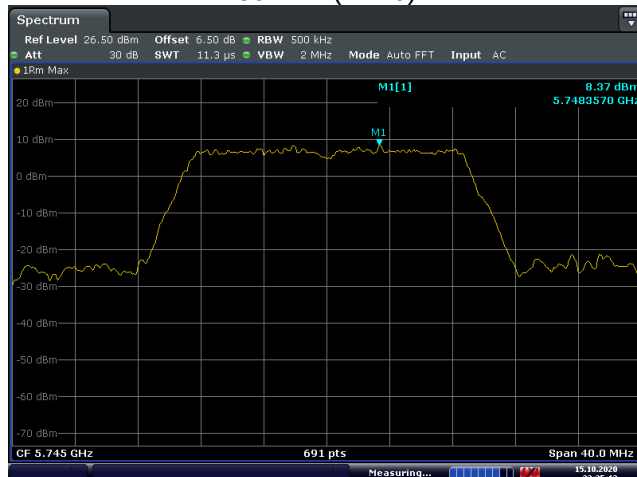
802.11a

802.11n(HT20)

802.11n(HT20)



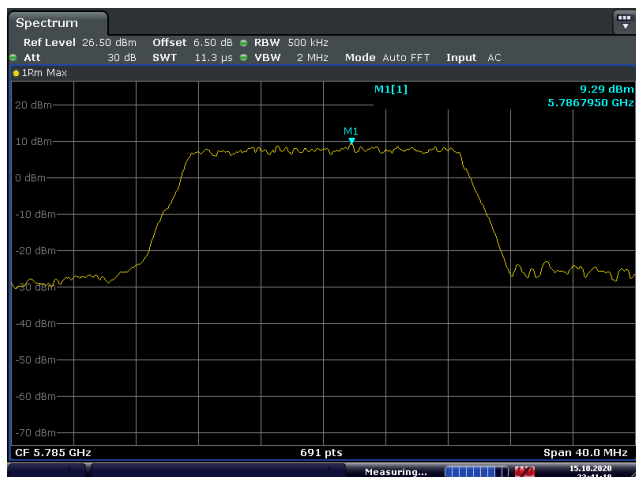
Date: 15.OCT.2020 23:41:03



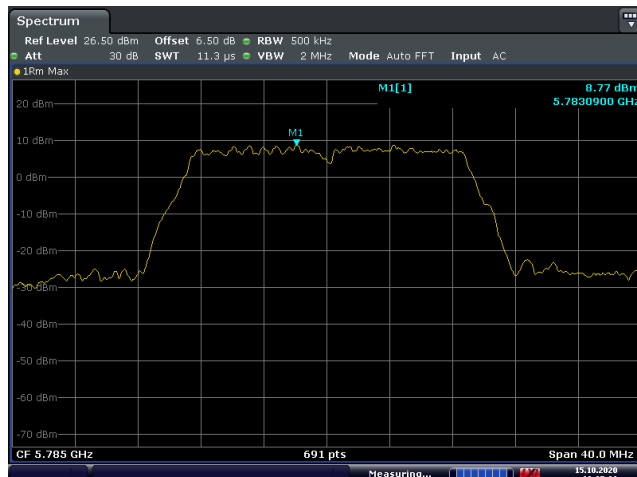
Date: 15.OCT.2020 23:35:14

Lowest channel

Middle channel



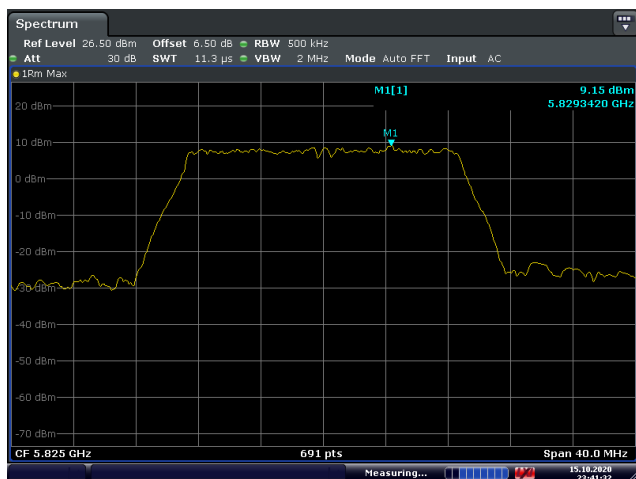
Date: 15.OCT.2020 23:41:19



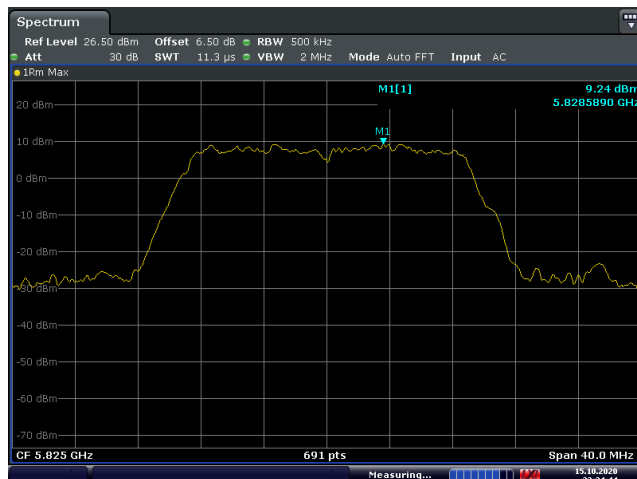
Date: 15.OCT.2020 23:35:00

Middle channel

Middle channel



Date: 15.OCT.2020 23:41:32



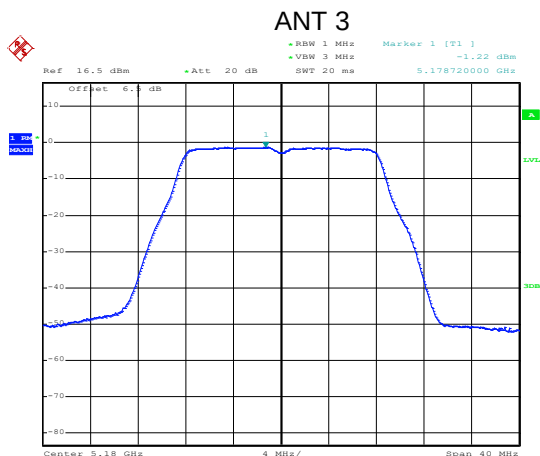
Date: 15.OCT.2020 23:34:44

Highest channel

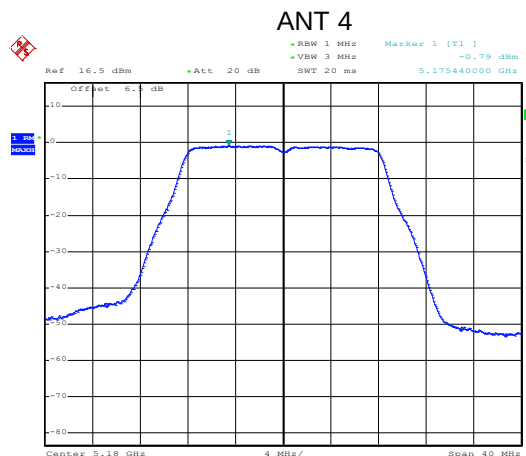
Highest channel

Test plot as follows (module 2):

Band 1 802.11a

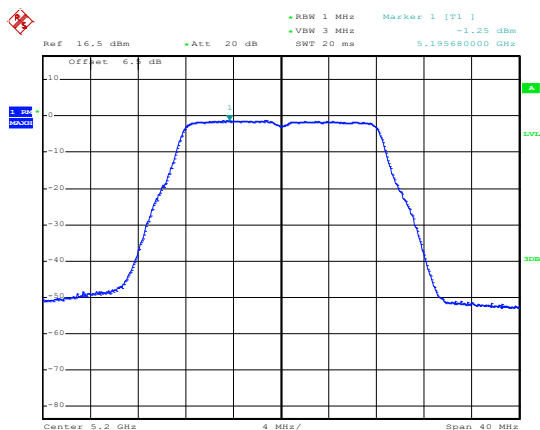


Date: 12.NOV.2020 21:00:25



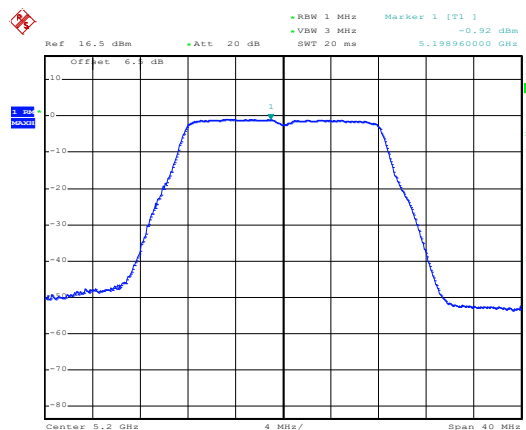
Date: 12.NOV.2020 20:45:06

Lowest channel



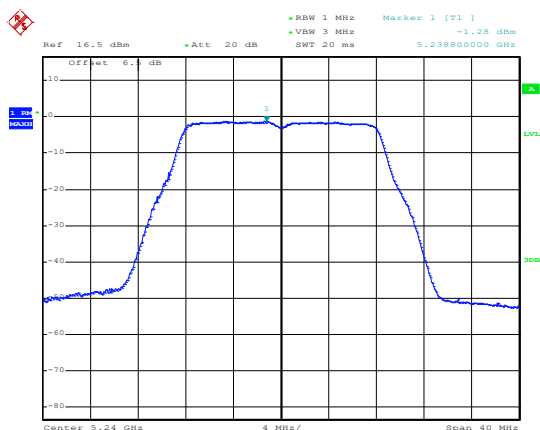
Date: 12.NOV.2020 21:00:35

Middle channel



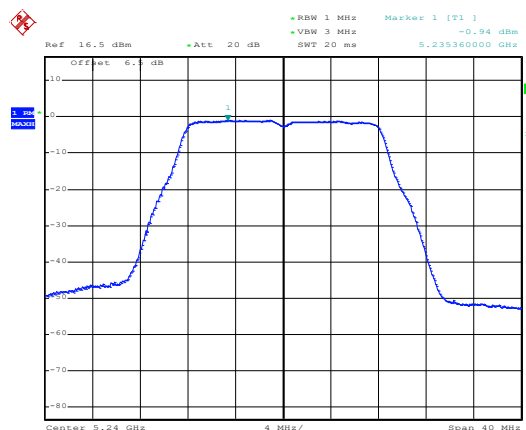
Date: 12.NOV.2020 20:44:57

Middle channel



Date: 12.NOV.2020 21:00:46

Middle channel



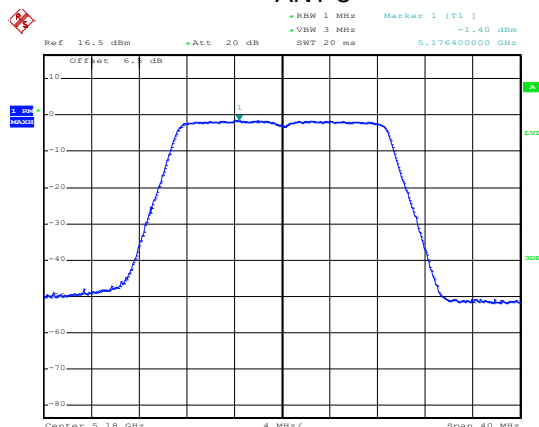
Date: 12.NOV.2020 20:44:49

Highest channel

Highest channel

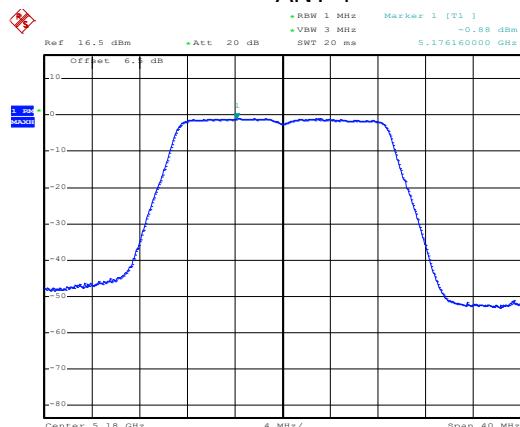
802.11n(HT20)

ANT 3



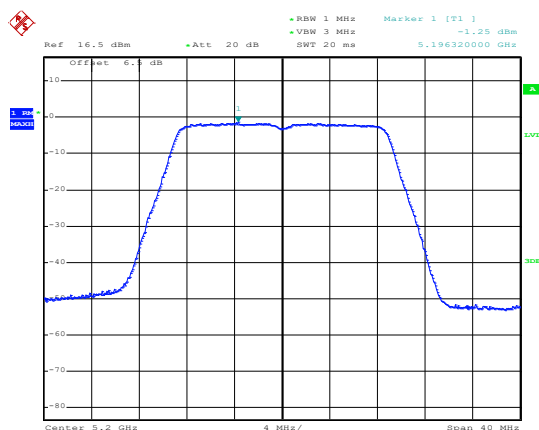
Date: 12.NOV.2020 21:01:23

ANT 4



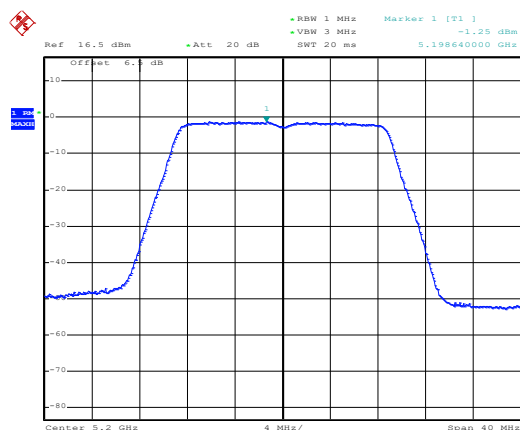
Date: 12.NOV.2020 20:44:15

Lowest channel



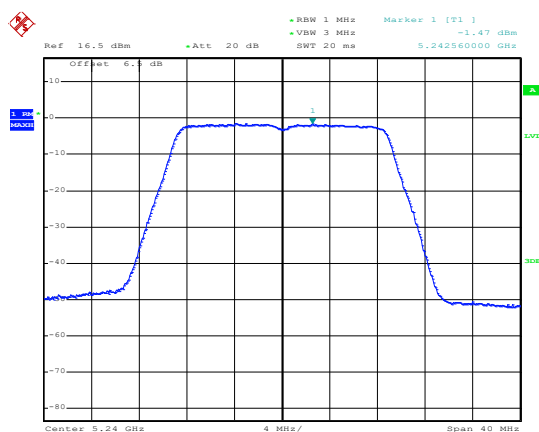
Date: 12.NOV.2020 21:01:12

Middle channel



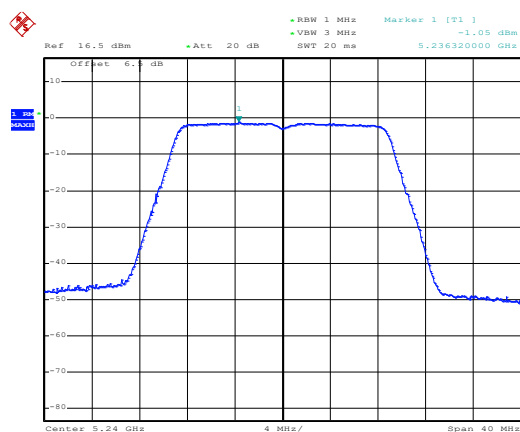
Date: 12.NOV.2020 20:44:24

Middle channel



Date: 12.NOV.2020 21:01:02

Middle channel



Date: 12.NOV.2020 20:44:33

Highest channel

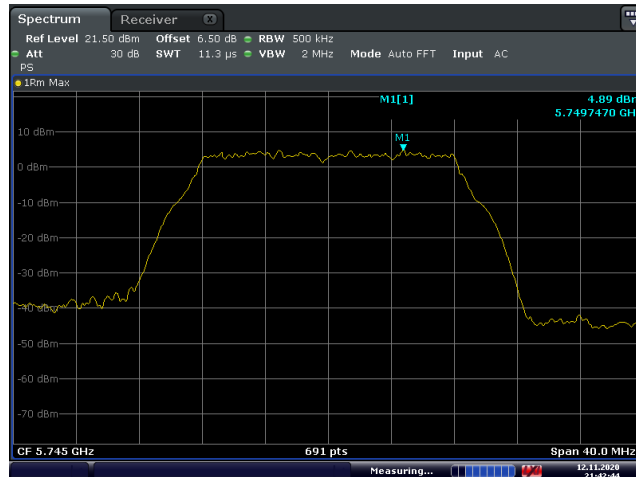
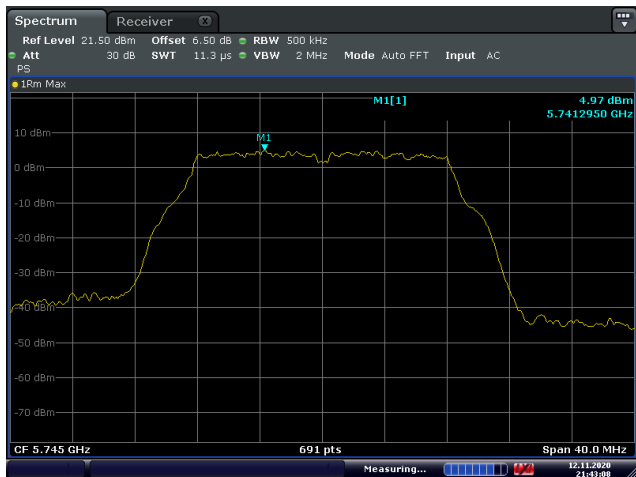
Highest channel

(module 2):

Band 4
802.11a

ANT 3

ANT 4

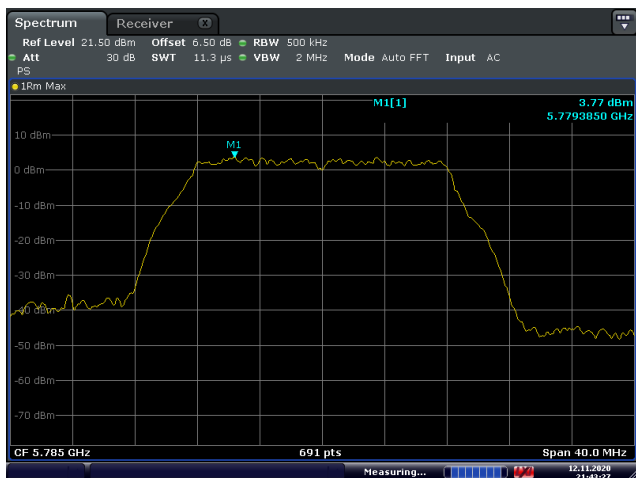


Date: 12.NOV.2020 21:43:09

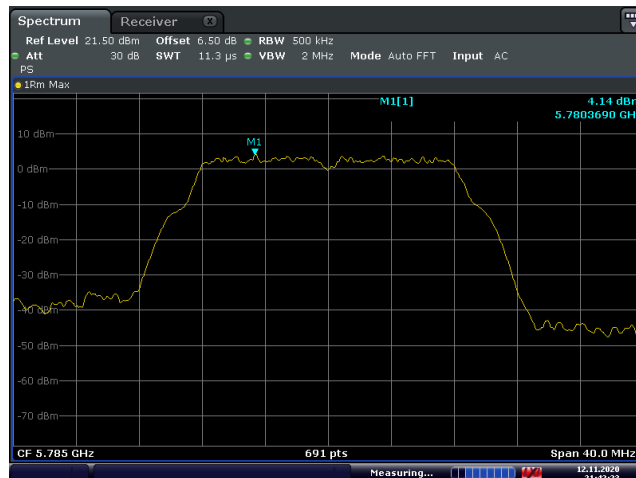
Date: 12.NOV.2020 21:42:44

Lowest channel

Middle channel



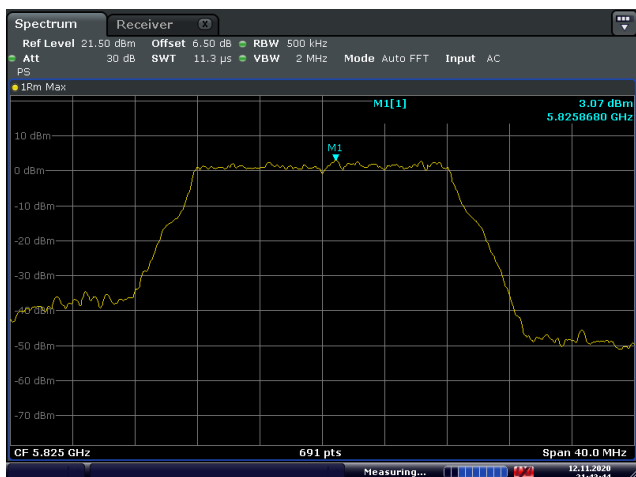
Date: 12.NOV.2020 21:43:27



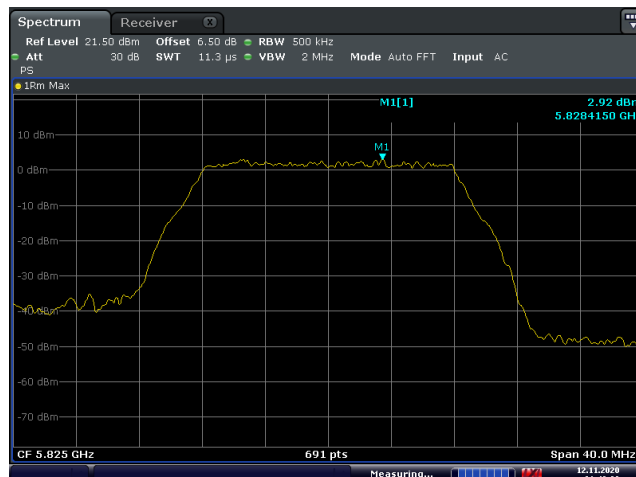
Date: 12.NOV.2020 21:42:24

Middle channel

Middle channel



Date: 12.NOV.2020 21:43:44



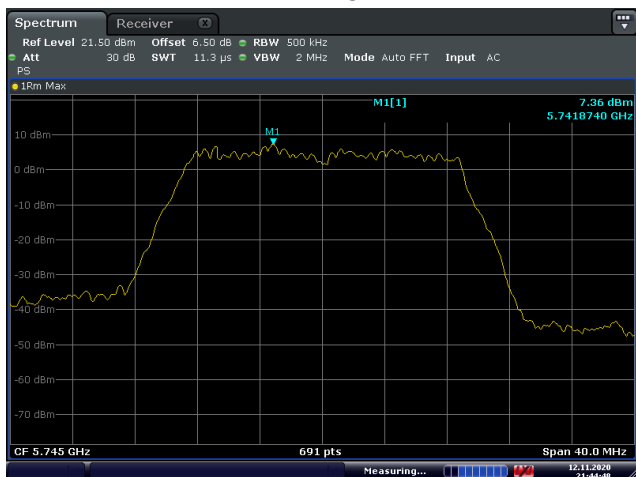
Date: 12.NOV.2020 21:42:02

Highest channel

Highest channel

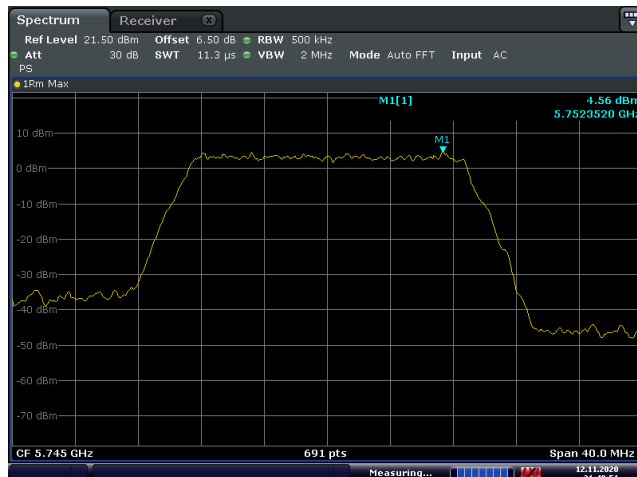
802.11n(HT20)

ANT 3



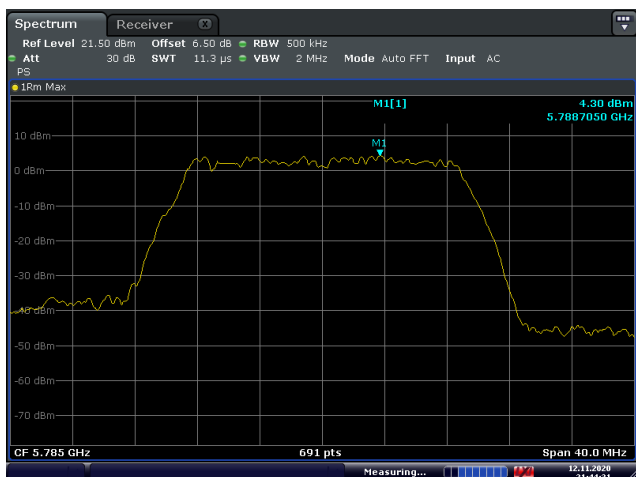
Date: 12.NOV.2020 21:44:47

ANT 4



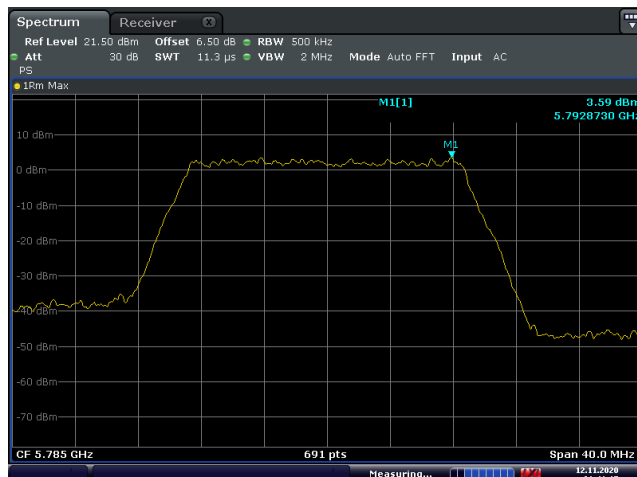
Date: 12.NOV.2020 21:40:51

Lowest channel



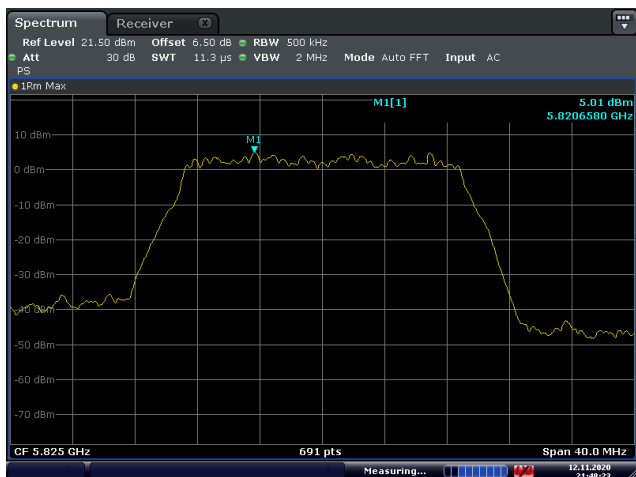
Date: 12.NOV.2020 21:44:31

Middle channel



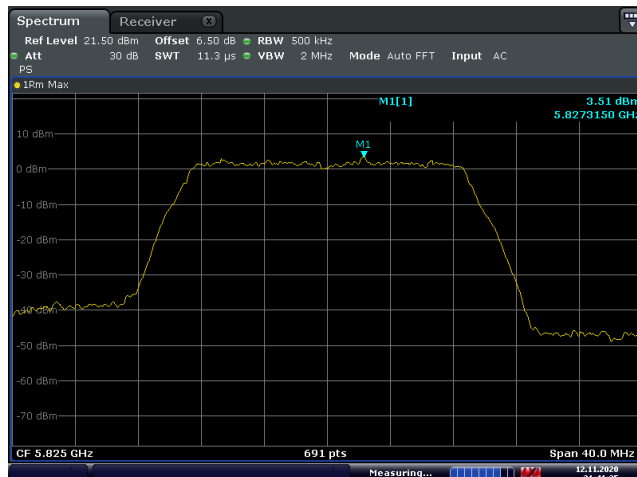
Date: 12.NOV.2020 21:41:17

Middle channel



Date: 12.NOV.2020 21:48:23

Middle channel

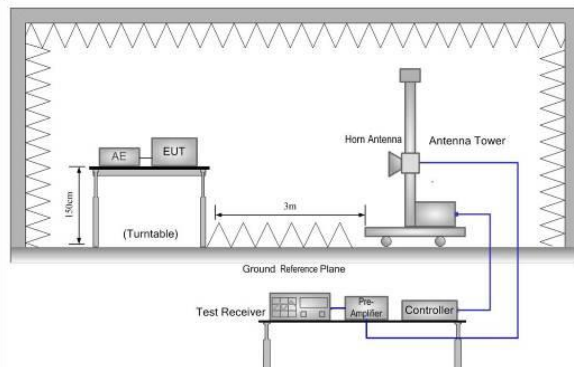


Date: 12.NOV.2020 21:41:35

Highest channel

Highest 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	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:	- 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. - The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. - The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. - For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading. - The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. - 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):
Module 1:
Band 1:

Band 1 – 802.11a (ANT1)									
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	67.72	31.77	7.05	2.54	41.93	67.15	68.20	-1.05	Horizontal
5150.00	65.02	31.77	7.05	2.54	41.93	64.45	68.20	-3.75	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	52.34	31.77	7.05	2.54	41.93	51.77	54.00	-2.23	Horizontal
5150.00	50.31	31.77	7.05	2.54	41.93	49.74	54.00	-4.26	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	53.33	32.24	7.11	2.61	41.89	53.40	68.20	-14.80	Horizontal
5350.00	54.15	32.24	7.11	2.61	41.89	54.22	68.20	-13.98	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	40.34	32.24	7.11	2.61	41.89	40.41	54.00	-13.59	Horizontal
5350.00	40.26	32.24	7.11	2.61	41.89	40.33	54.00	-13.67	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 – 802.11a (ANT2)									
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	61.99	31.77	7.05	2.54	41.93	61.42	68.20	-6.78	Horizontal
5150.00	66.22	31.77	7.05	2.54	41.93	65.65	68.20	-2.55	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
5150.00	50.31	31.77	7.05	2.54	41.93	49.74	54.00	-4.26	Horizontal
5150.00	51.83	31.77	7.05	2.54	41.93	51.26	54.00	-2.74	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	52.55	32.24	7.11	2.61	41.89	52.62	68.20	-15.58	Horizontal
5350.00	53.50	32.24	7.11	2.61	41.89	53.57	68.20	-14.63	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	43.40	32.24	7.11	2.61	41.89	43.47	54.00	-10.53	Horizontal
5350.00	43.71	32.24	7.11	2.61	41.89	43.78	54.00	-10.22	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) (MIMO)									
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	58.60	31.77	7.05	2.54	41.93	58.03	68.20	-10.17	Horizontal
5150.00	55.21	31.77	7.05	2.54	41.93	54.64	68.20	-13.56	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	48.48	31.77	7.05	2.54	41.93	47.91	54.00	-6.09	Horizontal
5150.00	45.17	31.77	7.05	2.54	41.93	44.60	54.00	-9.40	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	47.34	32.24	7.11	2.61	41.89	47.41	68.20	-20.79	Horizontal
5350.00	47.91	32.24	7.11	2.61	41.89	47.98	68.20	-20.22	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	37.78	32.24	7.11	2.61	41.89	37.85	54.00	-16.15	Horizontal
5350.00	36.83	32.24	7.11	2.61	41.89	36.90	54.00	-17.10	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.									

Module 1:

Band 4:

Band 4 – 802.11a (ANT1)									
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	53.03	32.36	7.45	2.69	41.85	53.68	68.20	-14.52	Horizontal
5700.00	55.82	32.38	7.60	2.72	41.90	56.62	105.20	-48.58	Horizontal
5720.00	63.23	32.39	7.64	2.72	41.92	64.06	110.80	-46.74	Horizontal
5725.00	70.68	32.39	7.69	2.72	41.94	71.54	122.20	-50.66	Horizontal
5650.00	62.11	32.36	7.45	2.69	41.85	62.76	68.20	-5.44	Vertical
5700.00	55.99	32.38	7.60	2.72	41.90	56.79	105.20	-48.41	Vertical
5720.00	52.98	32.39	7.64	2.72	41.92	53.81	110.80	-56.99	Vertical
5725.00	52.72	32.39	7.69	2.72	41.94	53.58	122.20	-68.62	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	53.70	32.67	7.90	2.69	42.03	54.93	122.20	-67.27	Horizontal
5855.00	71.71	32.67	7.90	2.72	42.03	72.97	110.80	-37.83	Horizontal
5875.00	49.12	32.68	7.91	2.72	42.03	50.40	105.20	-54.80	Horizontal
5925.00	49.15	32.69	7.92	2.72	42.04	50.44	68.20	-17.76	Horizontal
5850.00	61.97	32.67	7.90	2.69	42.03	63.20	122.20	-59.00	Vertical
5855.00	55.68	32.67	7.90	2.72	42.03	56.94	110.80	-53.86	Vertical
5875.00	53.21	32.68	7.91	2.72	42.03	54.49	105.20	-50.71	Vertical
5925.00	52.14	32.69	7.92	2.72	42.04	53.43	68.20	-14.77	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 – 802.11a (ANT2)									
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	52.90	32.63	7.45	2.69	41.85	53.82	68.20	-14.38	Horizontal
5700.00	54.05	32.64	7.60	2.72	41.90	55.11	105.20	-50.09	Horizontal
5720.00	64.33	32.65	7.64	2.72	41.92	65.42	110.80	-45.38	Horizontal
5725.00	71.92	32.65	7.69	2.72	41.94	73.04	122.20	-49.16	Horizontal
5650.00	49.90	32.63	7.45	2.69	41.85	50.82	68.20	-17.38	Vertical
5700.00	50.04	32.64	7.60	2.72	41.90	51.10	105.20	-54.10	Vertical
5720.00	59.40	32.65	7.64	2.72	41.92	60.49	110.80	-50.31	Vertical
5725.00	64.81	32.65	7.69	2.72	41.94	65.93	122.20	-56.27	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	63.37	32.67	7.90	2.69	42.03	64.60	122.20	-57.60	Horizontal
5855.00	59.72	32.67	7.90	2.72	42.03	60.98	110.80	-49.82	Horizontal
5875.00	52.82	32.68	7.91	2.72	42.03	54.10	105.20	-51.10	Horizontal
5925.00	53.70	32.69	7.92	2.72	42.04	54.99	68.20	-13.21	Horizontal
5850.00	60.34	32.67	7.90	2.69	42.03	61.57	122.20	-60.63	Vertical
5855.00	57.71	32.67	7.90	2.72	42.03	58.97	110.80	-51.83	Vertical
5875.00	52.81	32.68	7.91	2.72	42.03	54.09	105.20	-51.11	Vertical
5925.00	51.84	32.69	7.92	2.72	42.04	53.13	68.20	-15.07	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) (MIMO)									
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	53.13	32.36	7.45	2.69	41.85	53.78	68.20	-14.42	Horizontal
5700.00	55.84	32.38	7.60	2.72	41.90	56.64	105.20	-48.56	Horizontal
5720.00	70.03	32.39	7.64	2.72	41.92	70.86	110.80	-39.94	Horizontal
5725.00	74.03	32.39	7.69	2.72	41.94	74.89	122.20	-47.31	Horizontal
5650.00	54.26	32.36	7.45	2.69	41.85	54.91	68.20	-13.29	Vertical
5700.00	55.90	32.38	7.60	2.72	41.90	56.70	105.20	-48.50	Vertical
5720.00	68.77	32.39	7.64	2.72	41.92	69.60	110.80	-41.20	Vertical
5725.00	77.06	32.39	7.69	2.72	41.94	77.92	122.20	-44.28	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	69.68	32.67	7.90	2.69	42.03	70.91	122.20	-51.29	Horizontal
5855.00	61.04	32.67	7.90	2.72	42.03	62.30	110.80	-48.50	Horizontal
5875.00	54.16	32.68	7.91	2.72	42.03	55.44	105.20	-49.76	Horizontal
5925.00	52.16	32.69	7.92	2.72	42.04	53.45	68.20	-14.75	Horizontal
5850.00	66.77	32.67	7.90	2.69	42.03	68.00	122.20	-54.20	Vertical
5855.00	59.84	32.67	7.90	2.72	42.03	61.10	110.80	-49.70	Vertical
5875.00	53.59	32.68	7.91	2.72	42.03	54.87	105.20	-50.33	Vertical
5925.00	52.58	32.69	7.92	2.72	42.04	53.87	68.20	-14.33	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.									

Module 2:

Band 1:

Band 1 – 802.11a (ANT3)									
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	61.26	31.77	7.05	2.54	41.93	60.69	68.20	-7.51	Horizontal
5150.00	64.87	31.77	7.05	2.54	41.93	64.30	68.20	-3.90	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	47.37	31.77	7.05	2.54	41.93	46.80	54.00	-7.20	Horizontal
5150.00	51.86	31.77	7.05	2.54	41.93	51.29	54.00	-2.71	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	54.31	32.24	7.11	2.61	41.89	54.38	68.20	-13.82	Horizontal
5350.00	53.07	32.24	7.11	2.61	41.89	53.14	68.20	-15.06	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	40.44	32.24	7.11	2.61	41.89	40.51	54.00	-13.49	Horizontal
5350.00	44.81	32.24	7.11	2.61	41.89	44.88	54.00	-9.12	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 – 802.11a (ANT4)									
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	62.20	31.77	7.05	2.54	41.93	61.63	68.20	-6.57	Horizontal
5150.00	60.75	31.77	7.05	2.54	41.93	60.18	68.20	-8.02	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	48.53	31.77	7.05	2.54	41.93	47.96	54.00	-6.04	Horizontal
5150.00	45.93	31.77	7.05	2.54	41.93	45.36	54.00	-8.64	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	52.54	32.24	7.11	2.61	41.89	52.61	68.20	-15.59	Horizontal
5350.00	53.04	32.24	7.11	2.61	41.89	53.11	68.20	-15.09	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	40.74	32.24	7.11	2.61	41.89	40.81	54.00	-13.19	Horizontal
5350.00	43.52	32.24	7.11	2.61	41.89	43.59	54.00	-10.41	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) (MIMO)									
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	66.68	31.77	7.05	2.54	41.93	66.11	68.20	-2.09	Horizontal
5150.00	68.60	31.77	7.05	2.54	41.93	68.03	68.20	-0.17	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	51.89	31.77	7.05	2.54	41.93	51.32	54.00	-2.68	Horizontal
5150.00	53.46	31.77	7.05	2.54	41.93	52.89	54.00	-1.11	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	53.05	32.24	7.11	2.61	41.89	53.12	68.20	-15.08	Horizontal
5350.00	53.24	32.24	7.11	2.61	41.89	53.31	68.20	-14.89	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	44.79	32.24	7.11	2.61	41.89	44.86	54.00	-9.14	Horizontal
5350.00	36.83	32.24	7.11	2.61	41.89	36.90	54.00	-17.10	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.									

Module 2:

Band 4:

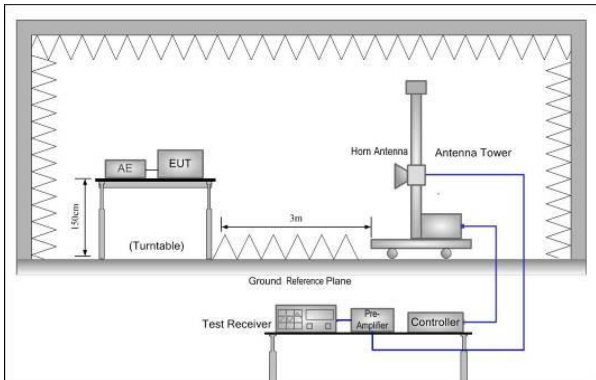
Band 4 – 802.11a (ANT3)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	52.91	32.36	7.45	2.69	41.85	53.56	68.20	-14.64	Horizontal
5700.00	54.29	32.38	7.60	2.72	41.90	55.09	105.20	-50.11	Horizontal
5720.00	61.83	32.39	7.64	2.72	41.92	62.66	110.80	-48.14	Horizontal
5725.00	71.83	32.39	7.69	2.72	41.94	72.69	122.20	-49.51	Horizontal
5650.00	53.44	32.36	7.45	2.69	41.85	54.09	68.20	-14.11	Vertical
5700.00	53.54	32.38	7.60	2.72	41.90	54.34	105.20	-50.86	Vertical
5720.00	61.03	32.39	7.64	2.72	41.92	61.86	110.80	-48.94	Vertical
5725.00	71.69	32.39	7.69	2.72	41.94	72.55	122.20	-49.65	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
5850.00	62.15	32.67	7.90	2.69	42.03	63.38	122.20	-58.82	Horizontal
5855.00	54.05	32.67	7.90	2.72	42.03	55.31	110.80	-55.49	Horizontal
5875.00	52.95	32.68	7.91	2.72	42.03	54.23	105.20	-50.97	Horizontal
5925.00	52.09	32.69	7.92	2.72	42.04	53.38	68.20	-14.82	Horizontal
5850.00	59.24	32.67	7.90	2.69	42.03	60.47	122.20	-61.73	Vertical
5855.00	57.39	32.67	7.90	2.72	42.03	58.65	110.80	-52.15	Vertical
5875.00	52.59	32.68	7.91	2.72	42.03	53.87	105.20	-51.33	Vertical
5925.00	52.65	32.69	7.92	2.72	42.04	53.94	68.20	-14.26	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 – 802.11a (ANT4)									
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
5650.00	53.21	32.63	7.45	2.69	41.85	54.13	68.20	-14.07	Horizontal
5700.00	53.04	32.64	7.60	2.72	41.90	54.10	105.20	-51.10	Horizontal
5720.00	62.06	32.65	7.64	2.72	41.92	63.15	110.80	-47.65	Horizontal
5725.00	69.09	32.65	7.69	2.72	41.94	70.21	122.20	-51.99	Horizontal
5650.00	53.29	32.63	7.45	2.69	41.85	54.21	68.20	-13.99	Vertical
5700.00	53.60	32.64	7.60	2.72	41.90	54.66	105.20	-50.54	Vertical
5720.00	58.33	32.65	7.64	2.72	41.92	59.42	110.80	-51.38	Vertical
5725.00	64.05	32.65	7.69	2.72	41.94	65.17	122.20	-57.03	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
5850.00	61.58	32.67	7.90	2.69	42.03	62.81	122.20	-59.39	Horizontal
5855.00	58.25	32.67	7.90	2.72	42.03	59.51	110.80	-51.29	Horizontal
5875.00	53.41	32.68	7.91	2.72	42.03	54.69	105.20	-50.51	Horizontal
5925.00	52.74	32.69	7.92	2.72	42.04	54.03	68.20	-14.17	Horizontal
5850.00	57.81	32.67	7.90	2.69	42.03	59.04	122.20	-63.16	Vertical
5855.00	53.35	32.67	7.90	2.72	42.03	54.61	110.80	-56.19	Vertical
5875.00	51.62	32.68	7.91	2.72	42.03	52.90	105.20	-52.30	Vertical
5925.00	52.56	32.69	7.92	2.72	42.04	53.85	68.20	-14.35	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.									

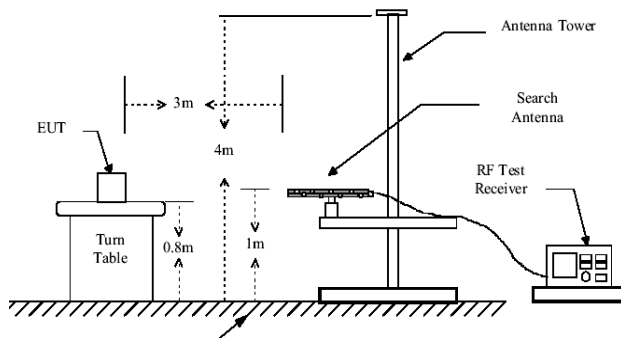
Band 4 – 802.11n(HT20) (MIMO)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	52.82	32.36	7.45	2.69	41.85	53.47	68.20	-14.73	Horizontal
5700.00	54.92	32.38	7.60	2.72	41.90	55.72	105.20	-49.48	Horizontal
5720.00	68.30	32.39	7.64	2.72	41.92	69.13	110.80	-41.67	Horizontal
5725.00	75.13	32.39	7.69	2.72	41.94	75.99	122.20	-46.21	Horizontal
5650.00	52.82	32.36	7.45	2.69	41.85	53.47	68.20	-14.73	Vertical
5700.00	54.55	32.38	7.60	2.72	41.90	55.35	105.20	-49.85	Vertical
5720.00	65.21	32.39	7.64	2.72	41.92	66.04	110.80	-44.76	Vertical
5725.00	74.63	32.39	7.69	2.72	41.94	75.49	122.20	-46.71	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
5850.00	62.28	32.67	7.90	2.69	42.03	63.51	122.20	-58.69	Horizontal
5855.00	54.35	32.67	7.90	2.72	42.03	55.61	110.80	-55.19	Horizontal
5875.00	52.71	32.68	7.91	2.72	42.03	53.99	105.20	-51.21	Horizontal
5925.00	51.71	32.69	7.92	2.72	42.04	53.00	68.20	-15.20	Horizontal
5850.00	58.87	32.67	7.90	2.69	42.03	60.10	122.20	-62.10	Vertical
5855.00	57.58	32.67	7.90	2.72	42.03	58.84	110.80	-51.96	Vertical
5875.00	52.52	32.68	7.91	2.72	42.03	53.80	105.20	-51.40	Vertical
5925.00	52.78	32.69	7.92	2.72	42.04	54.07	68.20	-14.13	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.									

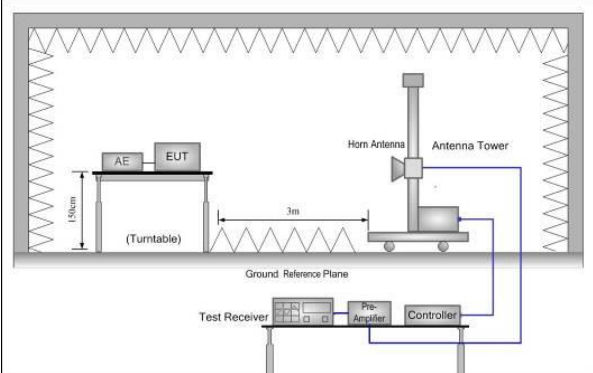
6.7 Spurious Emission

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	100kHz	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				

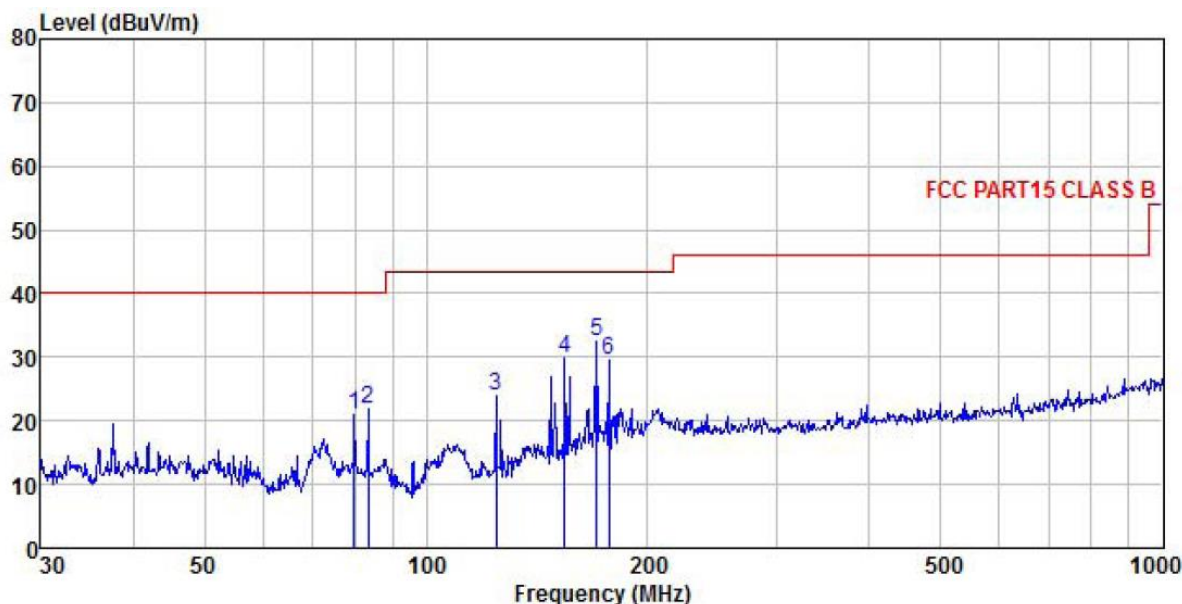
	
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data (worst case):

Module 1:

Below 1GHz

Product Name:	Dragon Fish Remote Control	Product Model:	DFRC-1
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%

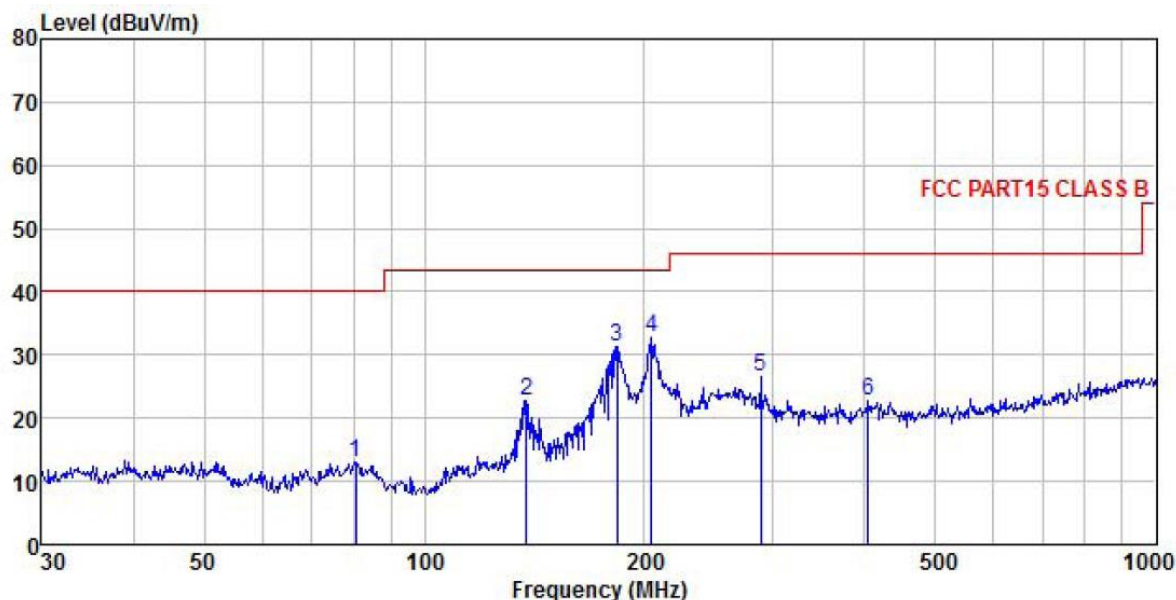


	Freq	Read Level	Antenna Factor	Cable Loss	Aux Factor	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	79.800	37.43	12.73	0.47	0.00	29.64	20.99	40.00	-19.01	QP
2	83.522	39.12	11.95	0.48	0.00	29.61	21.94	40.00	-18.06	QP
3	124.569	41.23	11.34	0.58	0.00	29.36	23.79	43.50	-19.71	QP
4	154.279	43.92	14.39	0.62	0.00	29.18	29.75	43.50	-13.75	QP
5	170.195	44.48	16.50	0.66	0.00	29.05	32.59	43.50	-10.91	QP
6	176.888	41.12	16.84	0.67	0.00	29.00	29.63	43.50	-13.87	QP

Remark:

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

Product Name:	Dragon Fish Remote Control	Product Model:	DFRC-1
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%



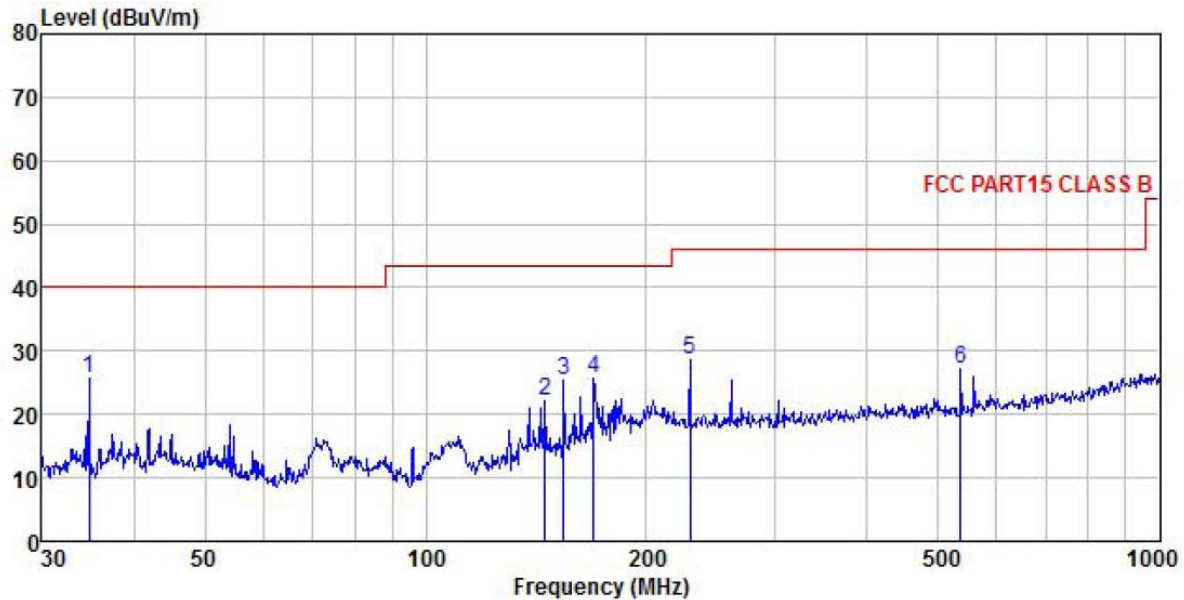
	Freq	Read	Antenna	Cable	Aux	Preamp	Level	Limit	Over	Remark
	MHz	Level	Factor	Loss	Factor	Factor	dBuV/m	dBuV/m	Limit	
		dBuV	dB/m	dB		dB			dB	
1	80.644	29.58	12.66	0.47	0.00	29.64	13.07	40.00	-26.93	QP
2	137.903	37.77	13.68	0.60	0.00	29.28	22.77	43.50	-20.73	QP
3	183.201	42.55	17.09	0.69	0.00	28.95	31.38	43.50	-12.12	QP
4	204.238	42.55	18.32	0.72	0.00	28.80	32.79	43.50	-10.71	QP
5	287.990	35.55	18.65	0.85	0.00	28.47	26.58	46.00	-19.42	QP
6	404.667	31.43	19.11	1.00	0.00	28.79	22.75	46.00	-23.25	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.

Module 2:
Below 1GHz

Product Name:	Dragon Fish Remote Control	Product Model:	DFRC-1
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%

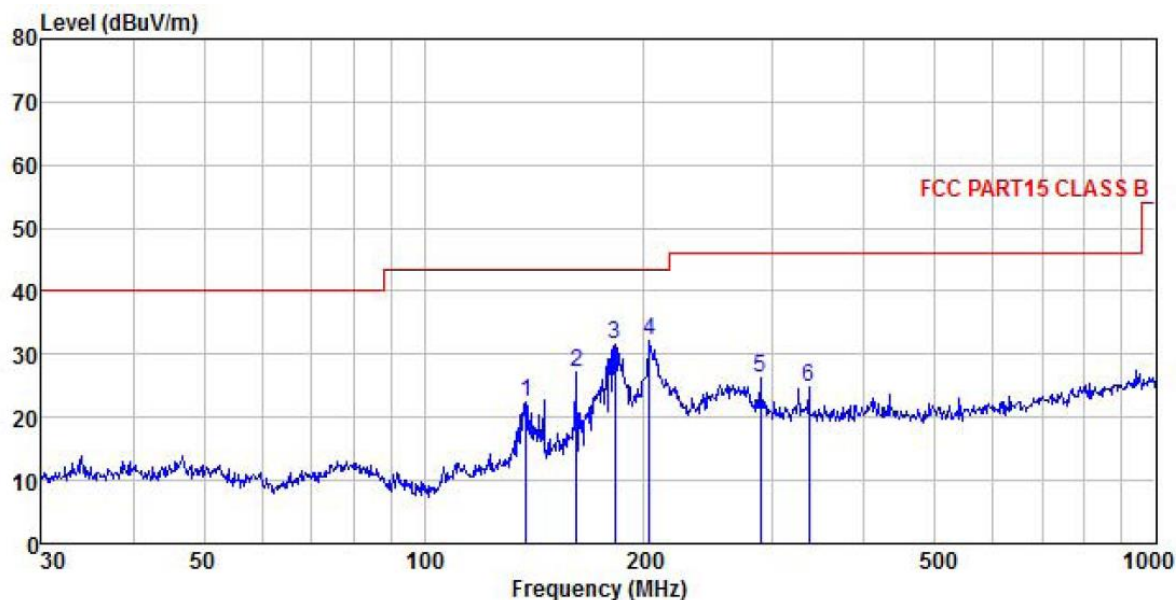


	Freq	ReadAntenna	Cable	Aux	Preamp	Level	Limit	Over	Remark
	MHz	Level	Factor	Loss	Factor	Factor	Line	Limit	
		dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB
1	34.760	42.59	12.56	0.34	0.00	29.95	25.54	40.00	-14.46 QP
2	145.351	36.92	13.94	0.61	0.00	29.24	22.23	43.50	-21.27 QP
3	154.279	39.49	14.39	0.62	0.00	29.18	25.32	43.50	-18.18 QP
4	169.599	37.73	16.40	0.65	0.00	29.05	25.73	43.50	-17.77 QP
5	229.293	38.19	18.42	0.75	0.00	28.65	28.71	46.00	-17.29 QP
6	535.707	35.62	19.54	1.14	0.00	29.06	27.24	46.00	-18.76 QP

Remark:

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

Product Name:	Dragon Fish Remote Control	Product Model:	DFRC-1
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	dBuV/m	dBuV/m	dB	
1	137.903	37.52	13.68	0.60	0.00	29.28	22.52	43.50	-20.98	QP
2	161.474	40.22	15.53	0.63	0.00	29.12	27.26	43.50	-16.24	QP
3	182.559	42.72	17.05	0.69	0.00	28.95	31.51	43.50	-11.99	QP
4	203.523	41.99	18.32	0.72	0.00	28.81	32.22	43.50	-11.28	QP
5	287.990	35.26	18.65	0.85	0.00	28.47	26.29	46.00	-19.71	QP
6	336.035	33.75	18.77	0.91	0.00	28.53	24.90	46.00	-21.10	QP

Remark:

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

Above 1GHz:
(Module 1) Band 1:

Band 1 – 802.11a (ANT1)									
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	40.80	38.83	9.82	3.95	41.97	51.43	68.20	-16.77	Vertical
10360.00	40.31	38.83	9.82	3.95	41.97	50.94	68.20	-17.26	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	31.80	38.83	9.82	3.95	41.97	42.43	54.00	-11.57	Vertical
10360.00	32.13	38.83	9.82	3.95	41.97	42.76	54.00	-11.24	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	40.51	38.87	9.85	3.98	41.95	51.26	68.20	-16.94	Vertical
10400.00	41.16	38.87	9.85	3.98	41.95	51.91	68.20	-16.29	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	31.93	38.87	9.85	3.98	41.95	42.68	54.00	-11.32	Vertical
10400.00	32.21	38.87	9.85	3.98	41.95	42.96	54.00	-11.04	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	40.46	38.94	9.96	4.02	41.88	51.50	68.20	-16.70	Vertical
10480.00	40.89	38.94	9.96	4.02	41.88	51.93	68.20	-16.27	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	31.43	38.94	9.96	4.02	41.88	42.47	54.00	-11.53	Vertical
10480.00	32.25	38.94	9.96	4.02	41.88	43.29	54.00	-10.71	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 – 802.11a (ANT2)									
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	40.84	38.83	9.82	3.95	41.97	51.47	68.20	-16.73	Vertical
10360.00	41.36	38.83	9.82	3.95	41.97	51.99	68.20	-16.21	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	31.07	38.83	9.82	3.95	41.97	41.70	54.00	-12.30	Vertical
10360.00	31.97	38.83	9.82	3.95	41.97	42.60	54.00	-11.40	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	40.90	38.87	9.85	3.98	41.95	51.65	68.20	-16.55	Vertical
10400.00	40.92	38.87	9.85	3.98	41.95	51.67	68.20	-16.53	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
10400.00	31.96	38.87	9.85	3.98	41.95	42.71	54.00	-11.29	Vertical
10400.00	32.15	38.87	9.85	3.98	41.95	42.90	54.00	-11.10	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	41.22	38.94	9.96	4.02	41.88	52.26	68.20	-15.94	Vertical
10480.00	40.75	38.94	9.96	4.02	41.88	51.79	68.20	-16.41	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	32.31	38.94	9.96	4.02	41.88	43.35	54.00	-10.65	Vertical
10480.00	31.58	38.94	9.96	4.02	41.88	42.62	54.00	-11.38	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) (MIMO)									
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	39.90	38.83	9.82	3.95	41.97	50.53	68.20	-17.67	Vertical
10360.00	40.44	38.83	9.82	3.95	41.97	51.07	68.20	-17.13	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	32.17	38.83	9.82	3.95	41.97	42.80	54.00	-11.20	Vertical
10360.00	32.11	38.83	9.82	3.95	41.97	42.74	54.00	-11.26	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	40.07	38.87	9.85	3.98	41.95	50.82	68.20	-17.38	Vertical
10400.00	39.80	38.87	9.85	3.98	41.95	50.55	68.20	-17.65	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
10400.00	32.56	38.87	9.85	3.98	41.95	43.31	54.00	-10.69	Vertical
10400.00	31.88	38.87	9.85	3.98	41.95	42.63	54.00	-11.37	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	40.54	38.94	9.96	4.02	41.88	51.58	68.20	-16.62	Vertical
10480.00	40.29	38.94	9.96	4.02	41.88	51.33	68.20	-16.87	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	32.96	38.94	9.96	4.02	41.88	44.00	54.00	-10.00	Vertical
10480.00	32.20	38.94	9.96	4.02	41.88	43.24	54.00	-10.76	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.									

(Module 1)
Band 4:

Band 4 – 802.11a (ANT1)									
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	40.67	39.50	10.81	4.21	42.29	48.69	74.00	-25.31	Vertical
11490.00	40.27	39.50	10.81	4.21	42.29	48.29	74.00	-25.71	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	30.89	39.50	10.81	4.21	42.29	38.91	54.00	-15.09	Vertical
11490.00	30.67	39.50	10.81	4.21	42.29	38.69	54.00	-15.31	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
11570.00	40.30	39.52	10.78	4.21	42.27	48.33	74.00	-25.67	Vertical
11570.00	40.03	39.52	10.78	4.21	42.27	48.06	74.00	-25.94	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	30.80	39.52	10.78	4.21	42.27	38.83	54.00	-15.17	Vertical
11570.00	30.99	39.52	10.78	4.21	42.27	39.02	54.00	-14.98	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	39.94	39.53	10.76	4.21	42.26	47.97	74.00	-26.03	Vertical
11650.00	40.22	39.53	10.76	4.21	42.26	48.25	74.00	-25.75	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	30.38	39.53	10.76	4.21	42.26	38.41	54.00	-15.59	Vertical
11650.00	30.83	39.53	10.76	4.21	42.26	38.86	54.00	-15.14	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 – 802.11a (ANT2)									
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	40.04	39.50	10.81	4.21	42.29	48.06	74.00	-25.94	Vertical
11490.00	39.58	39.50	10.81	4.21	42.29	47.60	74.00	-26.40	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	31.09	39.50	10.81	4.21	42.29	39.11	54.00	-14.89	Vertical
11490.00	30.56	39.50	10.81	4.21	42.29	38.58	54.00	-15.42	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	39.90	39.52	10.78	4.21	42.27	47.93	74.00	-26.07	Vertical
11570.00	39.64	39.52	10.78	4.21	42.27	47.67	74.00	-26.33	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	31.55	39.52	10.78	4.21	42.27	39.58	54.00	-14.42	Vertical
11570.00	30.90	39.52	10.78	4.21	42.27	38.93	54.00	-15.07	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	40.39	39.53	10.76	4.21	42.26	48.42	74.00	-25.58	Vertical
11650.00	39.55	39.53	10.76	4.21	42.26	47.58	74.00	-26.42	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	31.99	39.53	10.76	4.21	42.26	40.02	54.00	-13.98	Vertical
11650.00	30.92	39.53	10.76	4.21	42.26	38.95	54.00	-15.05	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) (MIMO)									
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	40.78	39.50	10.81	4.21	42.29	48.80	74.00	-25.20	Vertical
11490.00	40.38	39.50	10.81	4.21	42.29	48.40	74.00	-25.60	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	30.68	39.50	10.81	4.21	42.29	38.70	54.00	-15.30	Vertical
11490.00	31.06	39.50	10.81	4.21	42.29	39.08	54.00	-14.92	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	40.50	39.52	10.78	4.21	42.27	48.53	74.00	-25.47	Vertical
11570.00	40.54	39.52	10.78	4.21	42.27	48.57	74.00	-25.43	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
11570.00	30.68	39.52	10.78	4.21	42.27	38.71	54.00	-15.29	Vertical
11570.00	30.60	39.52	10.78	4.21	42.27	38.63	54.00	-15.37	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	40.83	39.53	10.76	4.21	42.26	48.86	74.00	-25.14	Vertical
11650.00	40.79	39.53	10.76	4.21	42.26	48.82	74.00	-25.18	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	30.32	39.53	10.76	4.21	42.26	38.35	54.00	-15.65	Vertical
11650.00	30.10	39.53	10.76	4.21	42.26	38.13	54.00	-15.87	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.									

(Module 2) Band 1:

Band 1 – 802.11a (ANT3)									
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	41.06	38.83	9.82	3.95	41.97	51.69	68.20	-16.51	Vertical
10360.00	40.49	38.83	9.82	3.95	41.97	51.12	68.20	-17.08	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
10360.00	31.78	38.83	9.82	3.95	41.97	42.41	54.00	-11.59	Vertical
10360.00	32.04	38.83	9.82	3.95	41.97	42.67	54.00	-11.33	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	40.24	38.87	9.85	3.98	41.95	50.99	68.20	-17.21	Vertical
10400.00	40.70	38.87	9.85	3.98	41.95	51.45	68.20	-16.75	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	32.29	38.87	9.85	3.98	41.95	43.04	54.00	-10.96	Vertical
10400.00	32.37	38.87	9.85	3.98	41.95	43.12	54.00	-10.88	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	40.12	38.94	9.96	4.02	41.88	51.16	68.20	-17.04	Vertical
10480.00	40.58	38.94	9.96	4.02	41.88	51.62	68.20	-16.58	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	31.40	38.94	9.96	4.02	41.88	42.44	54.00	-11.56	Vertical
10480.00	32.24	38.94	9.96	4.02	41.88	43.28	54.00	-10.72	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 – 802.11a (ANT4)									
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	40.91	38.83	9.82	3.95	41.97	51.54	68.20	-16.66	Vertical
10360.00	41.19	38.83	9.82	3.95	41.97	51.82	68.20	-16.38	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	30.87	38.83	9.82	3.95	41.97	41.50	54.00	-12.50	Vertical
10360.00	31.86	38.83	9.82	3.95	41.97	42.49	54.00	-11.51	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	40.64	38.87	9.85	3.98	41.95	51.39	68.20	-16.81	Vertical
10400.00	41.00	38.87	9.85	3.98	41.95	51.75	68.20	-16.45	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	32.31	38.87	9.85	3.98	41.95	43.06	54.00	-10.94	Vertical
10400.00	31.89	38.87	9.85	3.98	41.95	42.64	54.00	-11.36	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	40.91	38.94	9.96	4.02	41.88	51.95	68.20	-16.25	Vertical
10480.00	40.95	38.94	9.96	4.02	41.88	51.99	68.20	-16.21	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	32.04	38.94	9.96	4.02	41.88	43.08	54.00	-10.92	Vertical
10480.00	31.56	38.94	9.96	4.02	41.88	42.60	54.00	-11.40	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) (MIMO)									
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	39.54	38.83	9.82	3.95	41.97	50.17	68.20	-18.03	Vertical
10360.00	40.83	38.83	9.82	3.95	41.97	51.46	68.20	-16.74	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	31.78	38.83	9.82	3.95	41.97	42.41	54.00	-11.59	Vertical
10360.00	32.41	38.83	9.82	3.95	41.97	43.04	54.00	-10.96	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	39.64	38.87	9.85	3.98	41.95	50.39	68.20	-17.81	Vertical
10400.00	39.49	38.87	9.85	3.98	41.95	50.24	68.20	-17.96	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
10400.00	32.76	38.87	9.85	3.98	41.95	43.51	54.00	-10.49	Vertical
10400.00	31.64	38.87	9.85	3.98	41.95	42.39	54.00	-11.61	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
10480.00	40.54	38.94	9.96	4.02	41.88	51.58	68.20	-16.62	Vertical
10480.00	40.05	38.94	9.96	4.02	41.88	51.09	68.20	-17.11	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	33.25	38.94	9.96	4.02	41.88	44.29	54.00	-9.71	Vertical
10480.00	32.33	38.94	9.96	4.02	41.88	43.37	54.00	-10.63	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.									

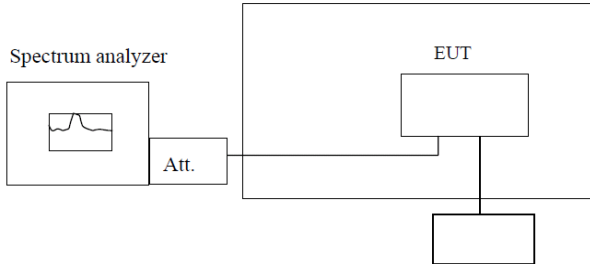
(Module 2)
Band 4:

Band 4 – 802.11a (ANT3)									
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	41.13	39.50	10.81	4.21	42.29	49.15	74.00	-24.85	Vertical
11490.00	40.65	39.50	10.81	4.21	42.29	48.67	74.00	-25.33	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	30.65	39.50	10.81	4.21	42.29	38.67	54.00	-15.33	Vertical
11490.00	30.76	39.50	10.81	4.21	42.29	38.78	54.00	-15.22	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	40.76	39.52	10.78	4.21	42.27	48.79	74.00	-25.21	Vertical
11570.00	40.11	39.52	10.78	4.21	42.27	48.14	74.00	-25.86	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	31.16	39.52	10.78	4.21	42.27	39.19	54.00	-14.81	Vertical
11570.00	30.55	39.52	10.78	4.21	42.27	38.58	54.00	-15.42	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	40.28	39.53	10.76	4.21	42.26	48.31	74.00	-25.69	Vertical
11650.00	39.62	39.53	10.76	4.21	42.26	47.65	74.00	-26.35	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
11650.00	31.29	39.53	10.76	4.21	42.26	39.32	54.00	-14.68	Vertical
11650.00	30.42	39.53	10.76	4.21	42.26	38.45	54.00	-15.55	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 – 802.11a (ANT4)									
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	40.86	39.50	10.81	4.21	42.29	48.88	74.00	-25.12	Vertical
11490.00	41.03	39.50	10.81	4.21	42.29	49.05	74.00	-24.95	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	30.91	39.50	10.81	4.21	42.29	38.93	54.00	-15.07	Vertical
11490.00	31.17	39.50	10.81	4.21	42.29	39.19	54.00	-14.81	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	40.90	39.52	10.78	4.21	42.27	48.93	74.00	-25.07	Vertical
11570.00	41.11	39.52	10.78	4.21	42.27	49.14	74.00	-24.86	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	30.50	39.52	10.78	4.21	42.27	38.53	54.00	-15.47	Vertical
11570.00	31.26	39.52	10.78	4.21	42.27	39.29	54.00	-14.71	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	41.07	39.53	10.76	4.21	42.26	49.10	74.00	-24.90	Vertical
11650.00	41.21	39.53	10.76	4.21	42.26	49.24	74.00	-24.76	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	30.34	39.53	10.76	4.21	42.26	38.37	54.00	-15.63	Vertical
11650.00	30.84	39.53	10.76	4.21	42.26	38.87	54.00	-15.13	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) (MIMO)									
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	41.57	39.50	10.81	4.21	42.29	49.59	74.00	-24.41	Vertical
11490.00	40.27	39.50	10.81	4.21	42.29	48.29	74.00	-25.71	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	30.19	39.50	10.81	4.21	42.29	38.21	54.00	-15.79	Vertical
11490.00	31.02	39.50	10.81	4.21	42.29	39.04	54.00	-14.96	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	41.26	39.52	10.78	4.21	42.27	49.29	74.00	-24.71	Vertical
11570.00	39.96	39.52	10.78	4.21	42.27	47.99	74.00	-26.01	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
11570.00	30.19	39.52	10.78	4.21	42.27	38.22	54.00	-15.78	Vertical
11570.00	30.76	39.52	10.78	4.21	42.27	38.79	54.00	-15.21	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	41.14	39.53	10.76	4.21	42.26	49.17	74.00	-24.83	Vertical
11650.00	40.26	39.53	10.76	4.21	42.26	48.29	74.00	-25.71	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	30.47	39.53	10.76	4.21	42.26	38.50	54.00	-15.50	Vertical
11650.00	31.12	39.53	10.76	4.21	42.26	39.15	54.00	-14.85	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.									

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):
Module 1:
Band 1:
Voltage vs. Frequency Stability (Lowest channel=5180MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Temp(°C)	Voltage(dc)		
20	9.7V	5179.997643	0.45
	11.4V	5179.974779	4.87
	13.1V	5179.963951	6.96

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

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Voltage(dc)	Temp(°C)		
11.4	-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(dc)		
20	9.7V	5744.974766	4.39
	11.4V	5744.993381	1.15
	13.1V	5744.998588	0.25

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

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Voltage(dc)	Temp(°C)		
11.4	-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

Module 2:

Band 1:

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

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Temp(°C)	Voltage(dc)		
20	9.7V	5179.997643	0.45
	11.4V	5179.975648	4.87
	13.1V	5179.963951	6.96

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

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Voltage(dc)	Temp(°C)		
11.4	-20	5179.987033	2.50
	-10	5179.956480	0.89
	0	5179.968421	6.10
	10	5179.978236	2.40
	20	5179.935612	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(dc)		
20	9.7V	5744.975248	4.39
	11.4V	5744.993021	1.15
	13.1V	5744.994865	0.25

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

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Voltage(dc)	Temp(°C)		
11.4	-20	5744.997626	0.91
	-10	5744.994586	1.10
	0	5744.992316	0.91
	10	5744.985355	2.55
	20	5744.993278	1.07
	30	5744.995396	0.96
	40	5744.991235	0.11
	50	5744.992568	1.31