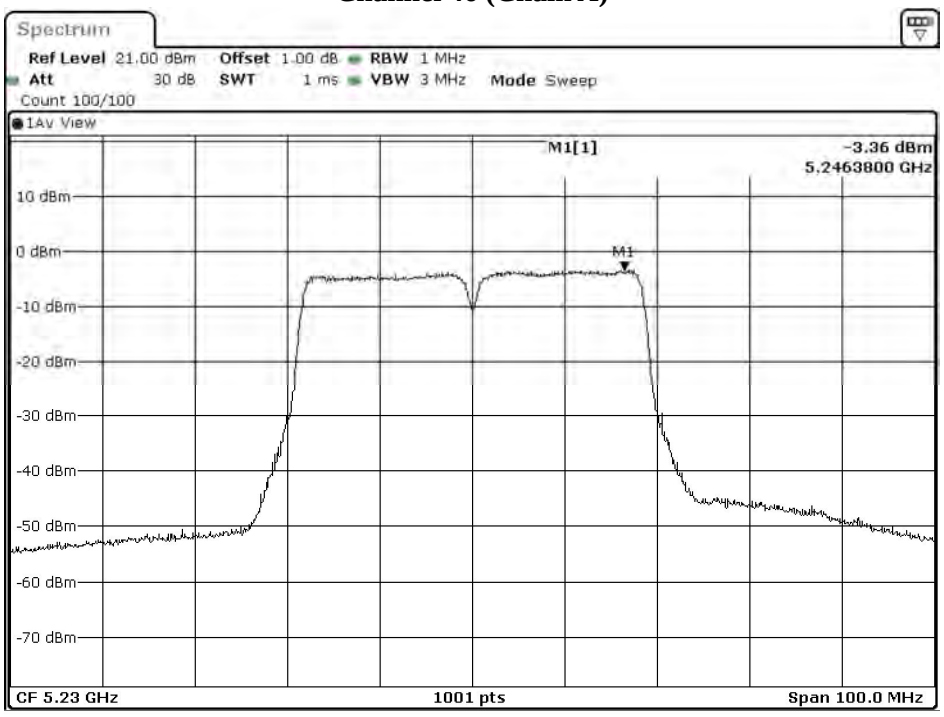
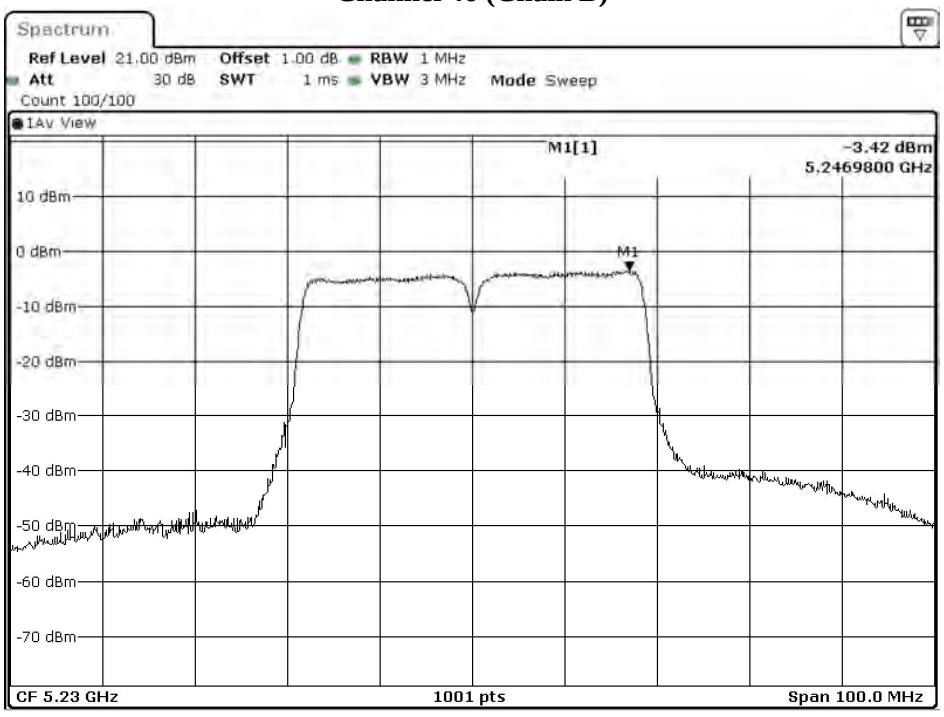
Channel 46 (Chain A)



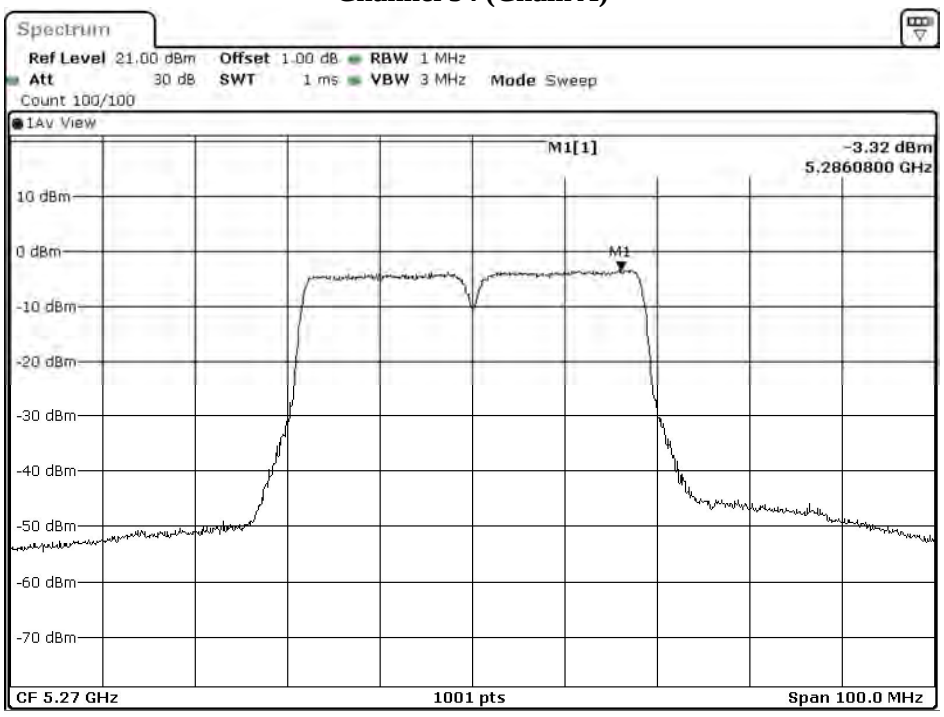
Date: 17.AUG.2021 04:43:46

Channel 46 (Chain B)



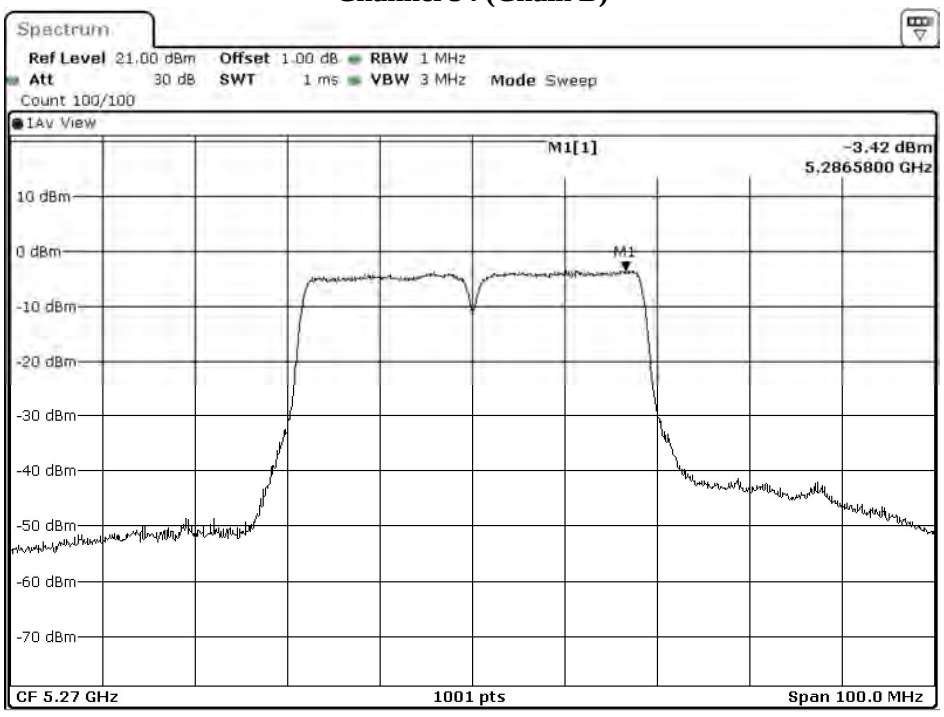
Date: 17.AUG.2021 09:24:20

Channel 54 (Chain A)



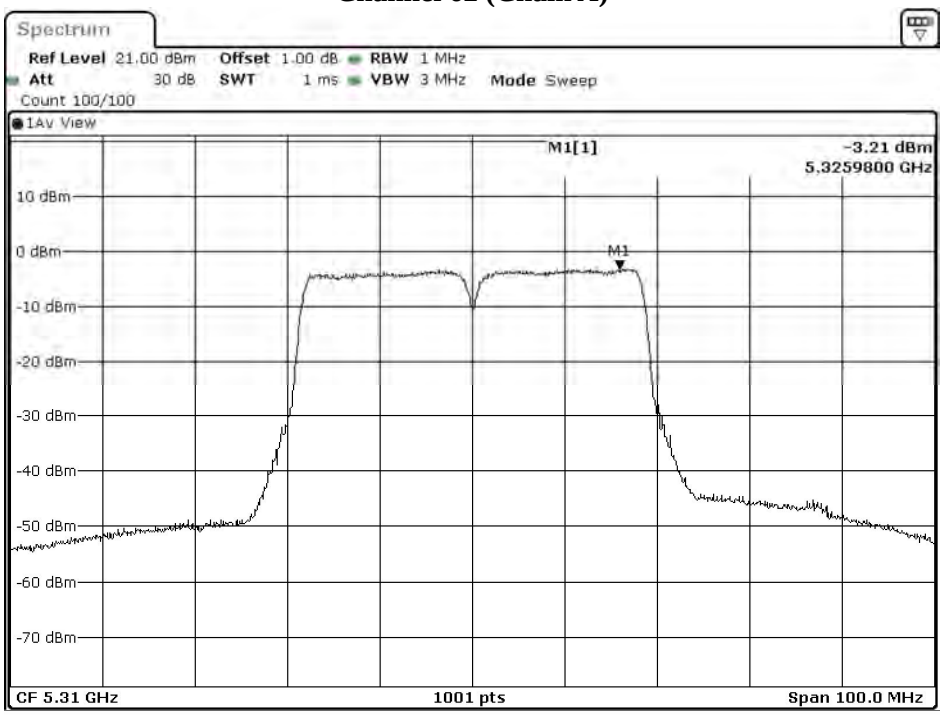
Date: 17.AUG.2021 04:47:00

Channel 54 (Chain B)



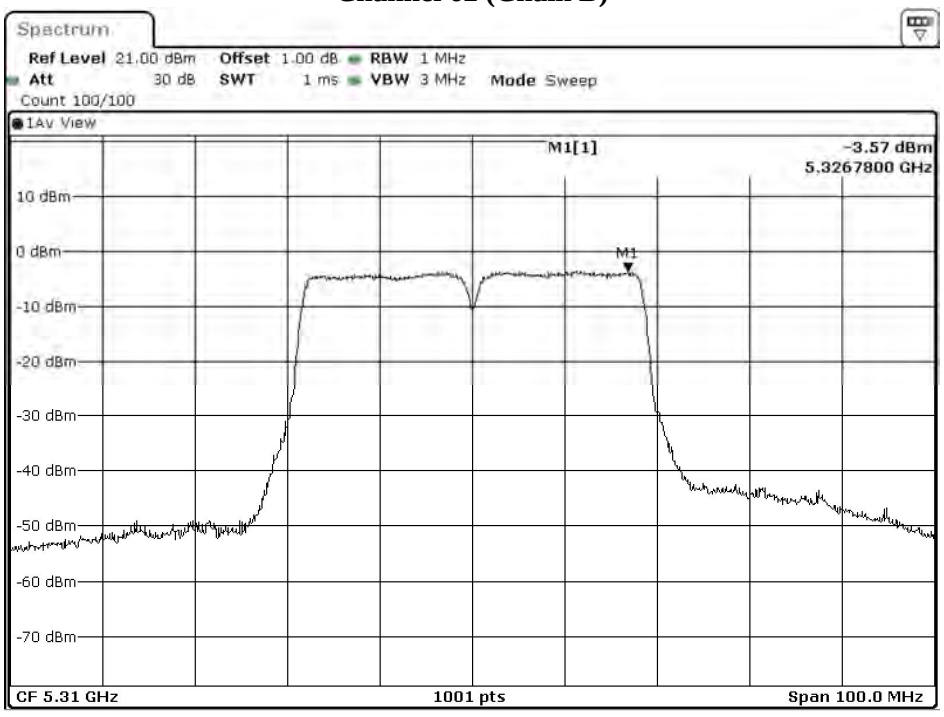
Date: 17.AUG.2021 09:27:34

Channel 62 (Chain A)



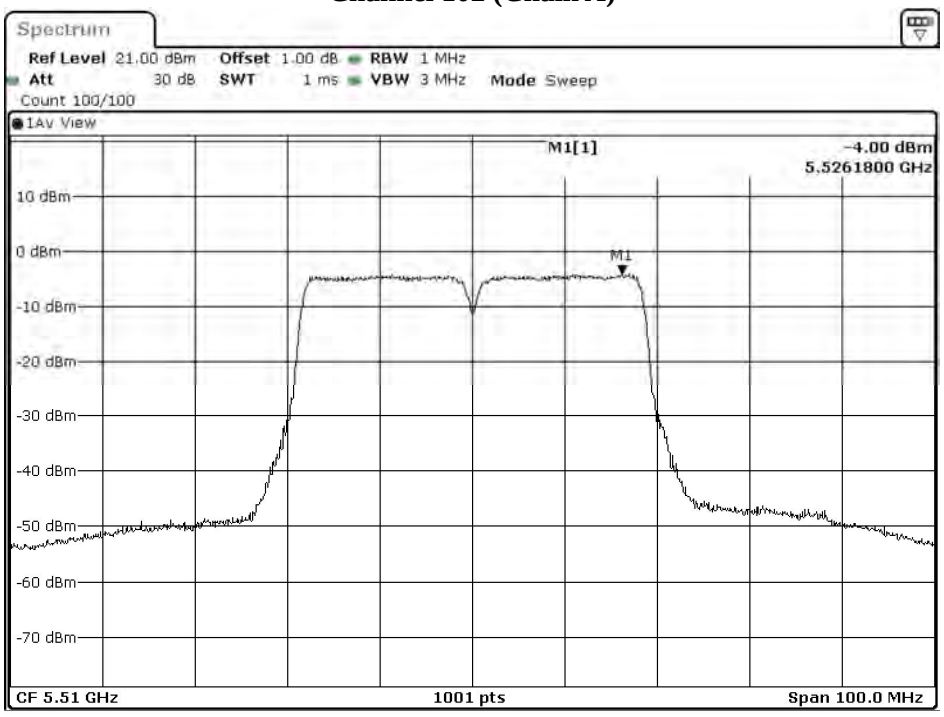
Date: 17.AUG.2021 04:49:24

Channel 62 (Chain B)



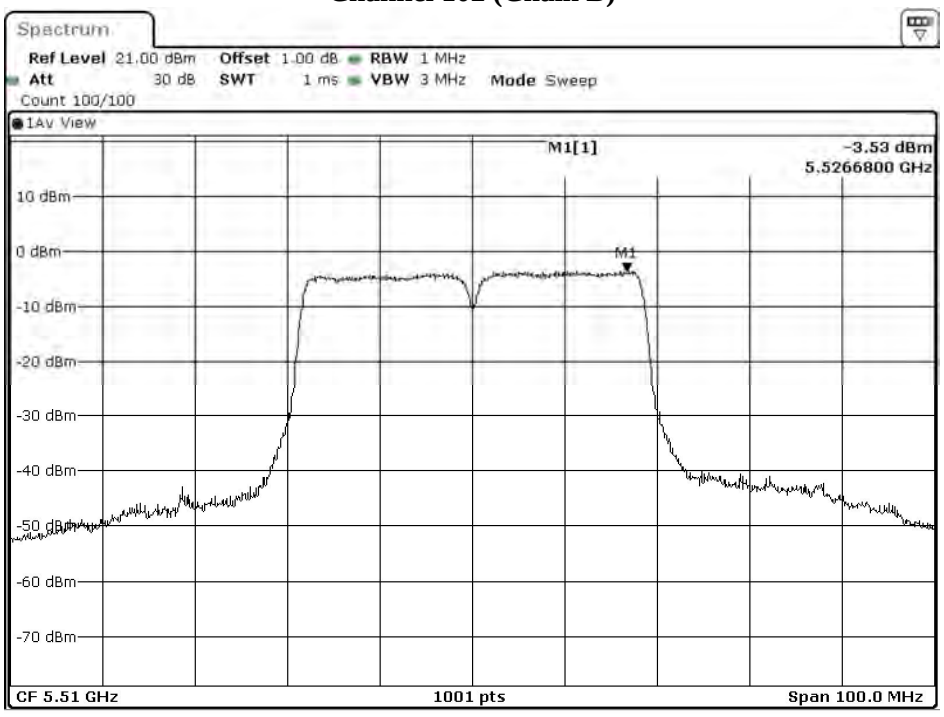
Date: 17.AUG.2021 09:29:58

Channel 102 (Chain A)



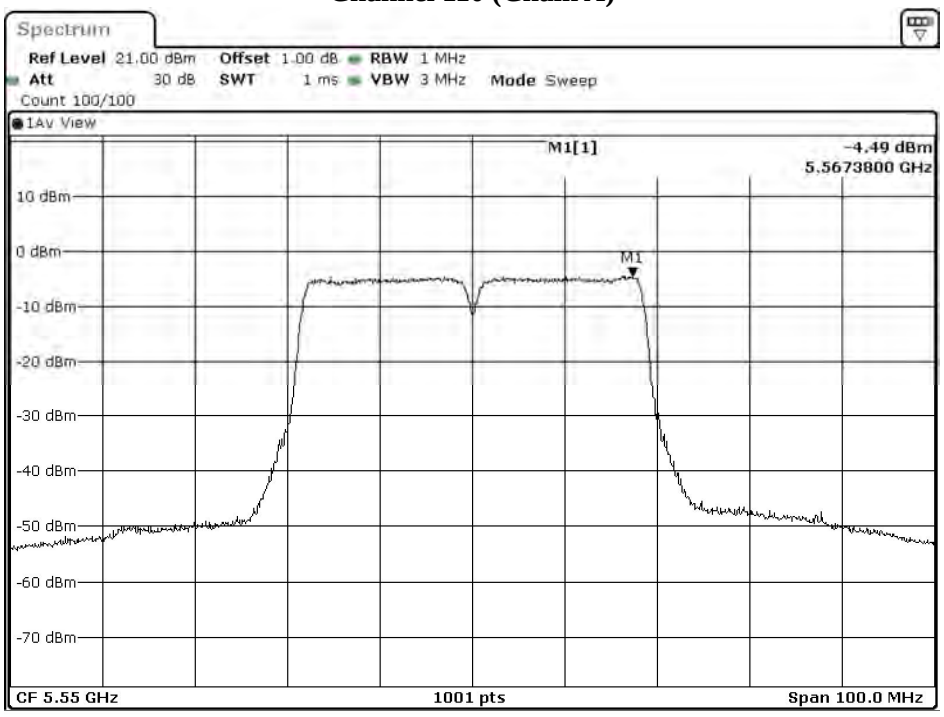
Date: 17.AUG.2021 04:53:41

Channel 102 (Chain B)



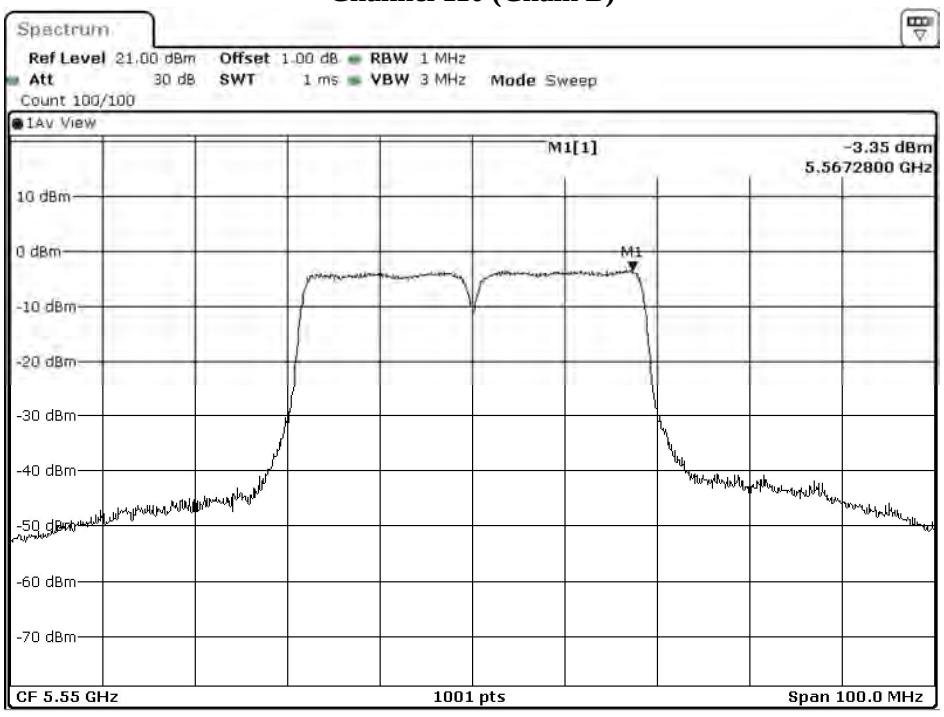
Date: 17.AUG.2021 09:34:14

Channel 110 (Chain A)



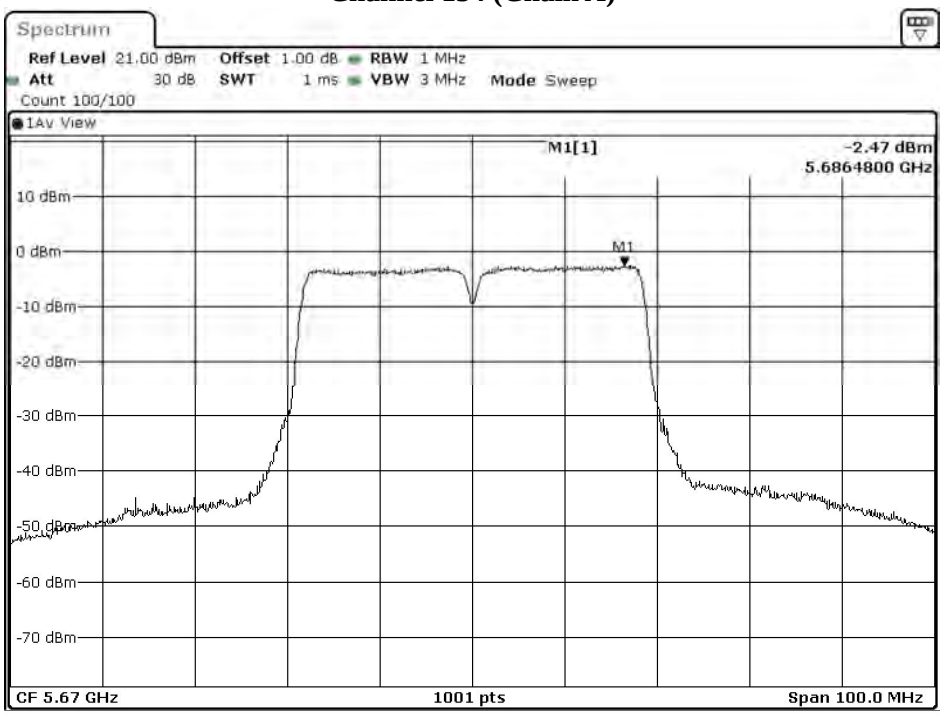
Date: 17.AUG.2021 04:56:38

Channel 110 (Chain B)



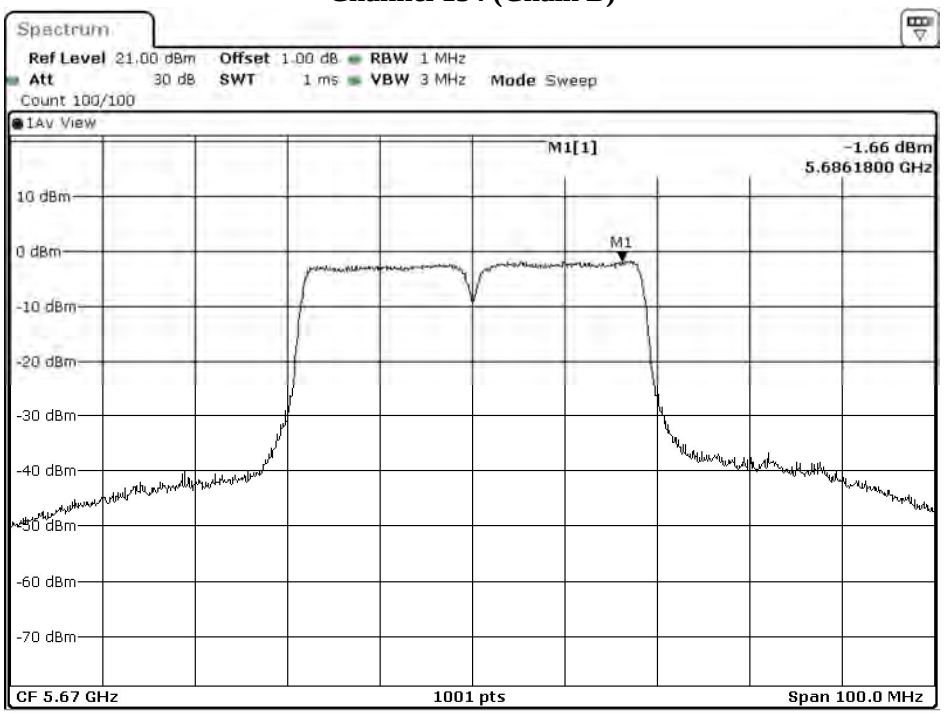
Date: 17.AUG.2021 09:37:12

Channel 134 (Chain A)



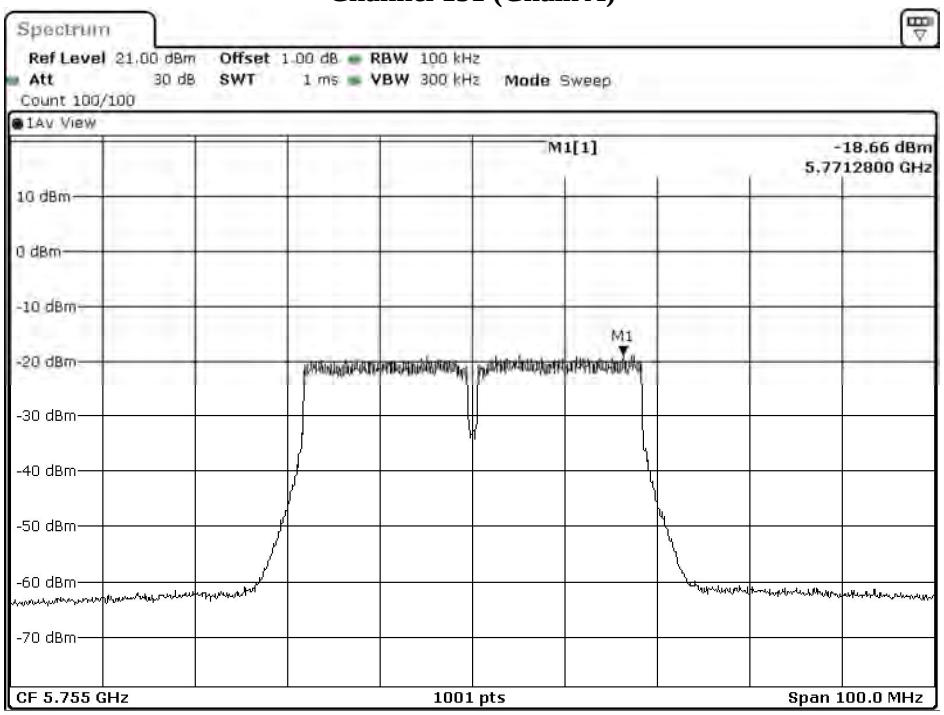
Date: 17.AUG.2021 05:00:03

Channel 134 (Chain B)



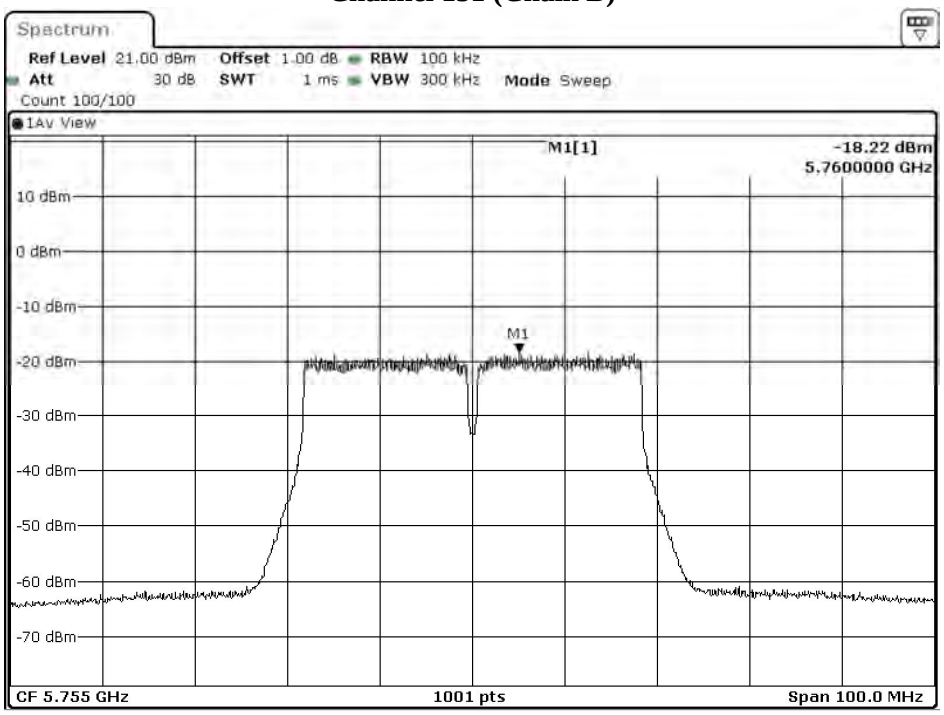
Date: 17.AUG.2021 09:40:37

Channel 151 (Chain A)



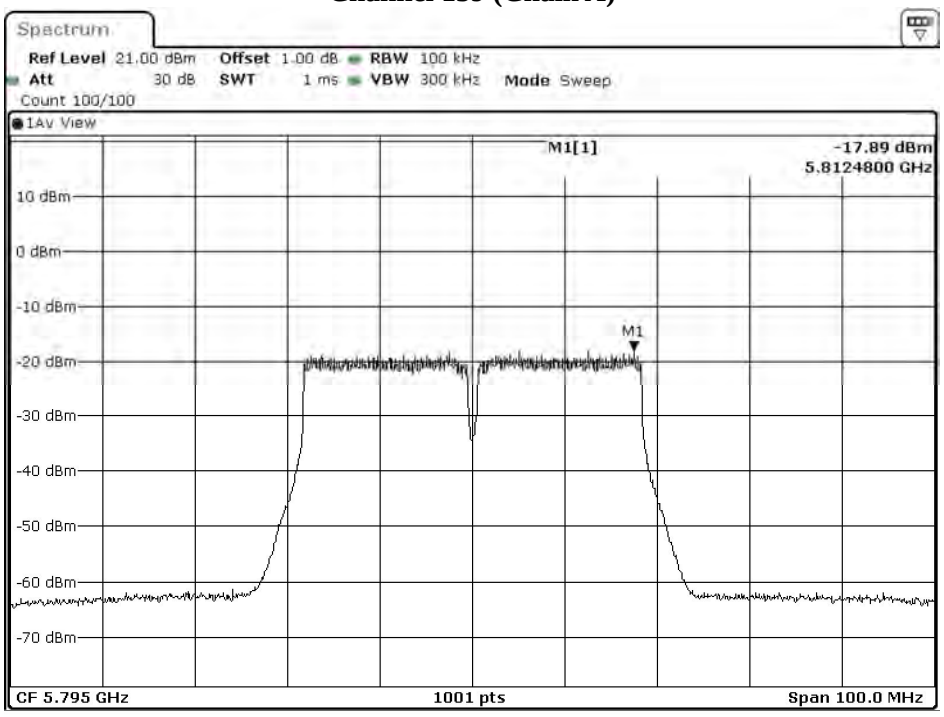
Date: 17.AUG.2021 05:55:51

Channel 151 (Chain B)



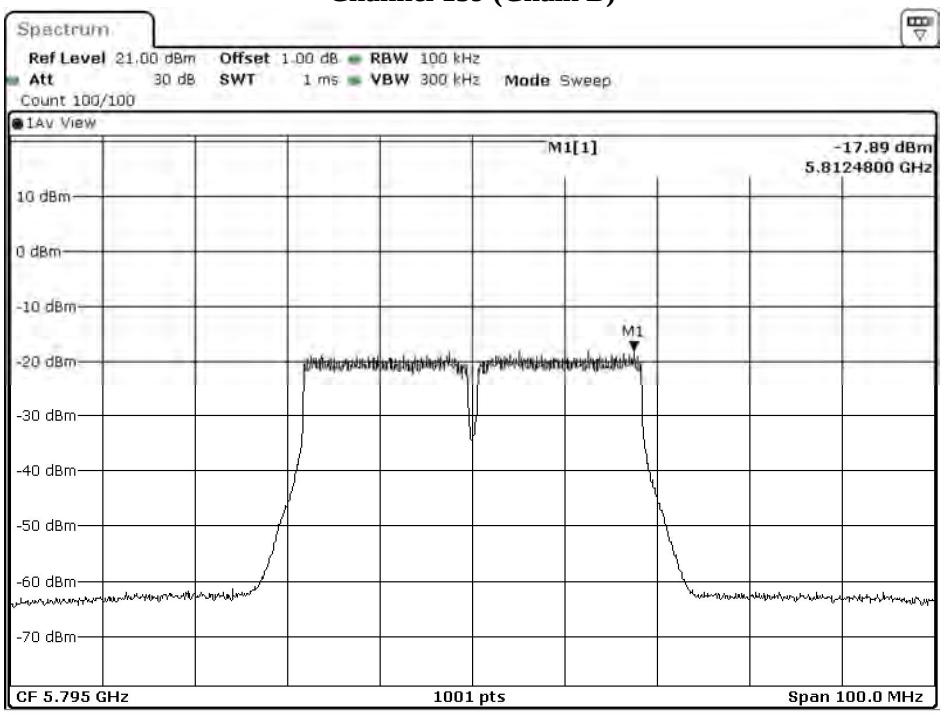
Date: 17.AUG.2021 10:36:25

Channel 159 (Chain A)



Date: 17.AUG.2021 10:39:15

Channel 159 (Chain B)



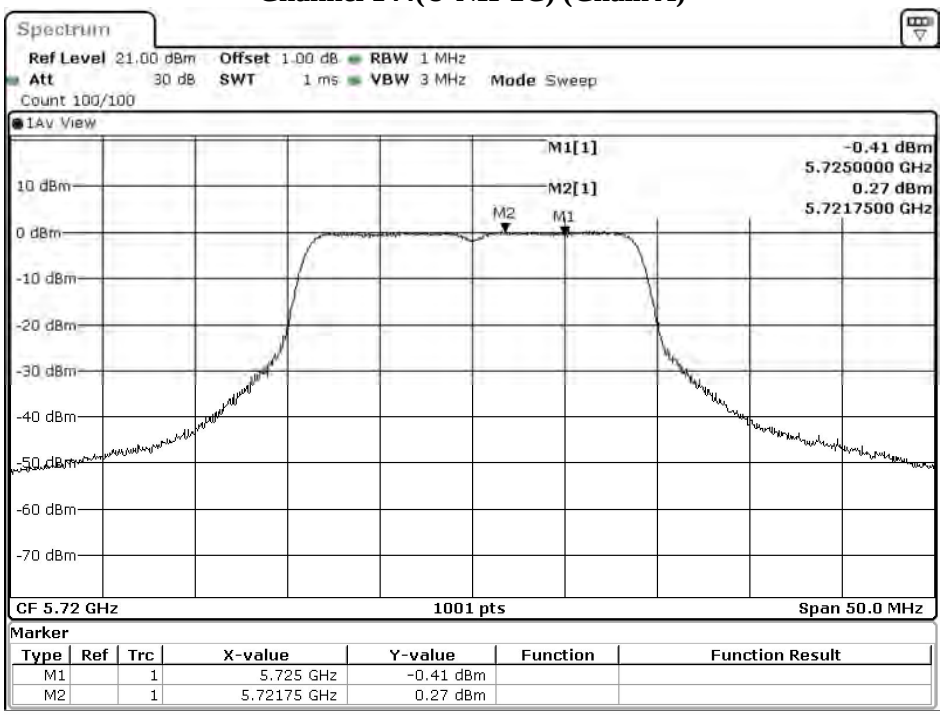
Date: 17.AUG.2021 10:39:15

Product : Speech Generating Device
Test Item : Peak Power Spectral Density
Test Mode : Mode 4: Transmit (802.11ac-20BW 7.2Mbps)
Test Date : 2021/08/19

Channel Number	Frequency	Data Rata	Chain	PPSD	BWCF	10*log(2)	Duty factor	Total PPSD	Limit	Result
	(MHz)	(Mbps)	(dBm)	(dBm)	(dB)	(dB)	(dB)	(dBm)	(dBm)	
144(U-NII-2C)	5720	HT8	A	0.27	--	3.01	0.15	3.43	<11	Pass
			B	1.15	--	3.01	0.15	4.31		Pass
144(U-NII-2C)	5720	HT8	A	-8.00	6.98	3.01	0.15	2.14	<30	Pass
			B	-6.95	6.98	3.01	0.15	3.19		Pass

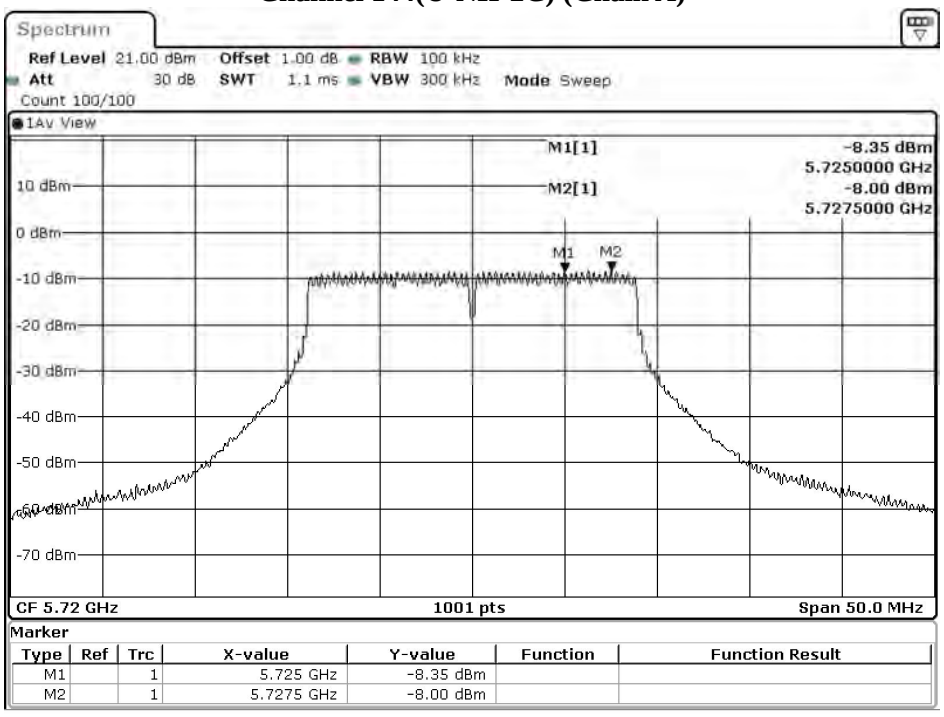
Note:
The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.

Channel 144(U-NII-2C) (Chain A)



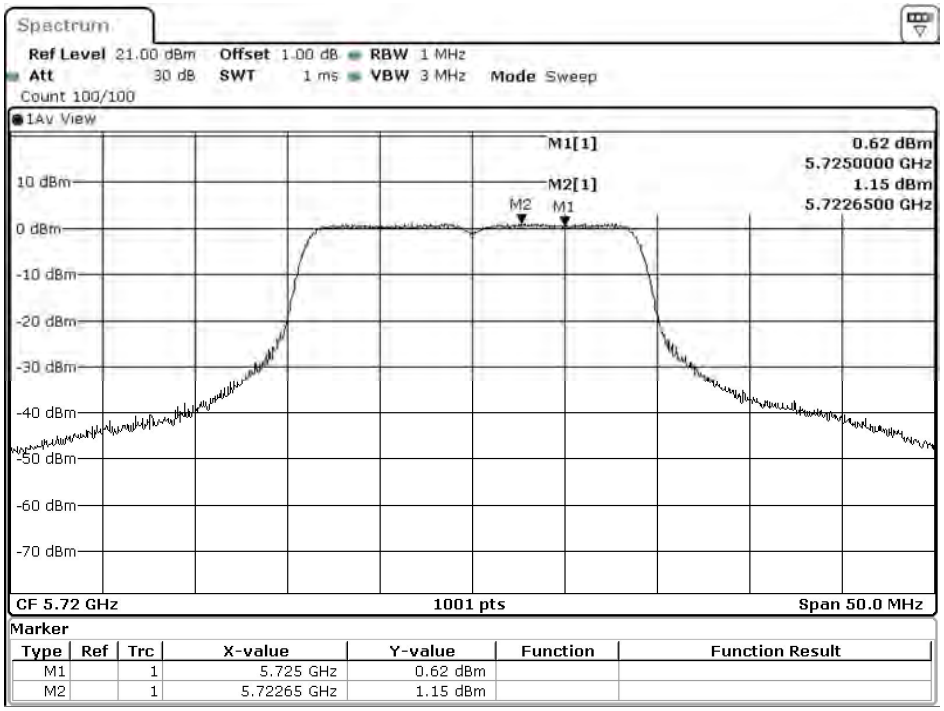
Date: 17.AUG.2021 03:43:48

Channel 144(U-NII-2C) (Chain A)



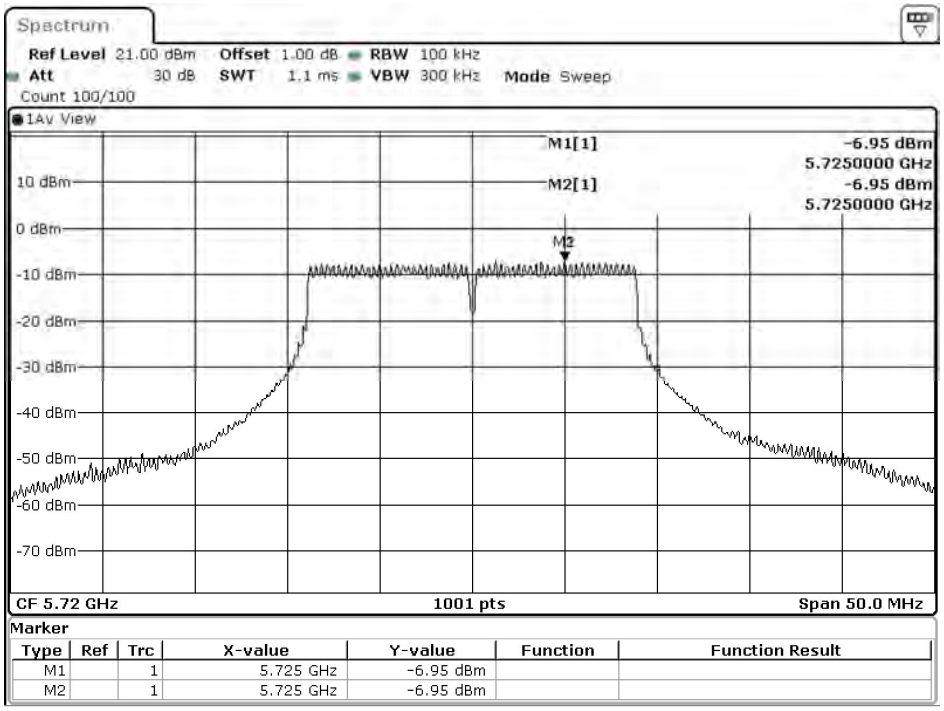
Date: 17.AUG.2021 03:44:25

Channel 144(U-NII-2C) (Chain B)



Date: 17.AUG.2021 08:24:05

Channel 144(U-NII-2C) (Chain B)



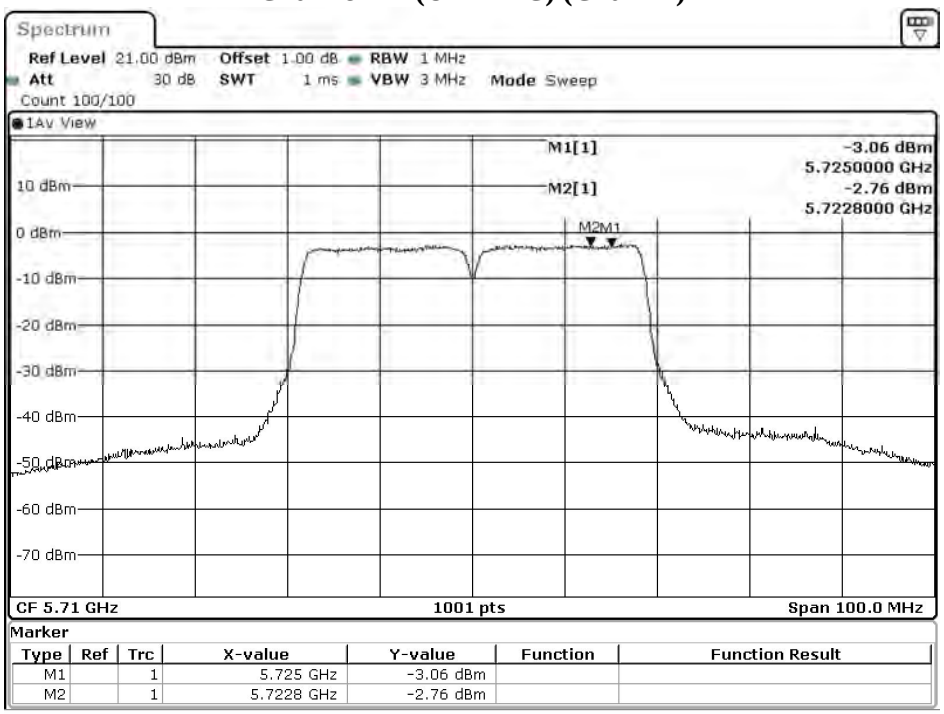
Date: 17.AUG.2021 08:24:26

Product : Speech Generating Device
Test Item : Peak Power Spectral Density
Test Mode : Mode 5: Transmit (802.11ac-40BW 15Mbps)
Test Date : 2021/08/19

Channel Number	Frequency (MHz)	Data Rata (Mbps)	Chain (dBm)	PPSD (dBm)	BWCF (dB)	10*log(2) (dB)	Duty factor (dB)	Total PPSD (dBm)	Limit (dBm)	Result
142(U-NII-2C)	5710	HT8	A	-2.76	--	3.01	0.30	0.55	<11	Pass
			B	-1.49	--	3.01	0.30	1.82		Pass
142(U-NII-3)	5710	HT8	A	-10.82	6.98	3.01	0.30	-0.53	<30	Pass
			B	-9.68	6.98	3.01	0.30	0.61		Pass

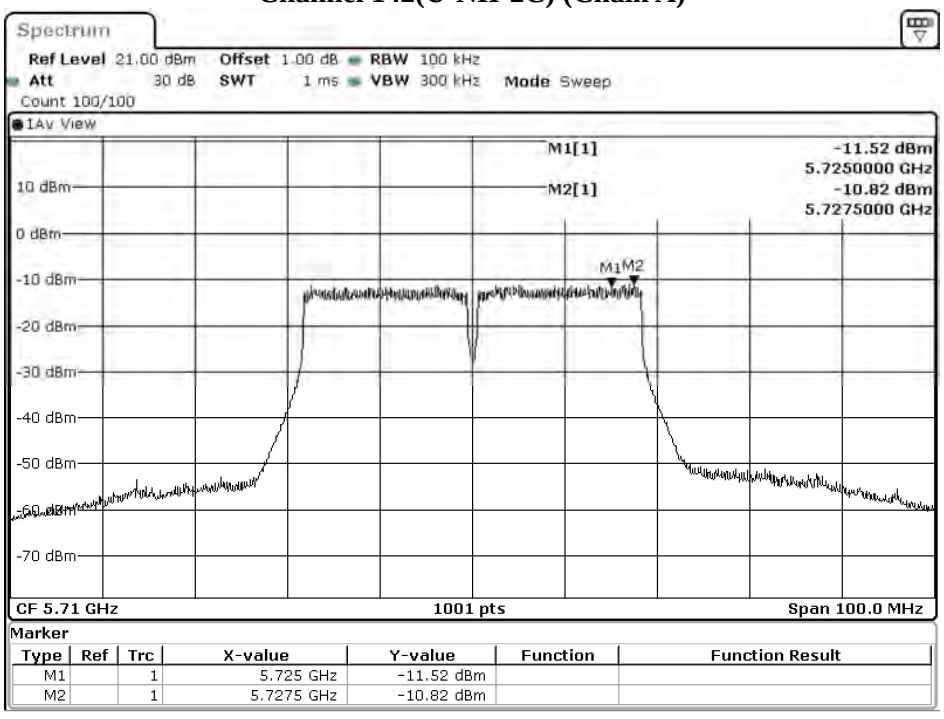
Note:
The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.

Channel 142(U-NII-2C) (Chain A)



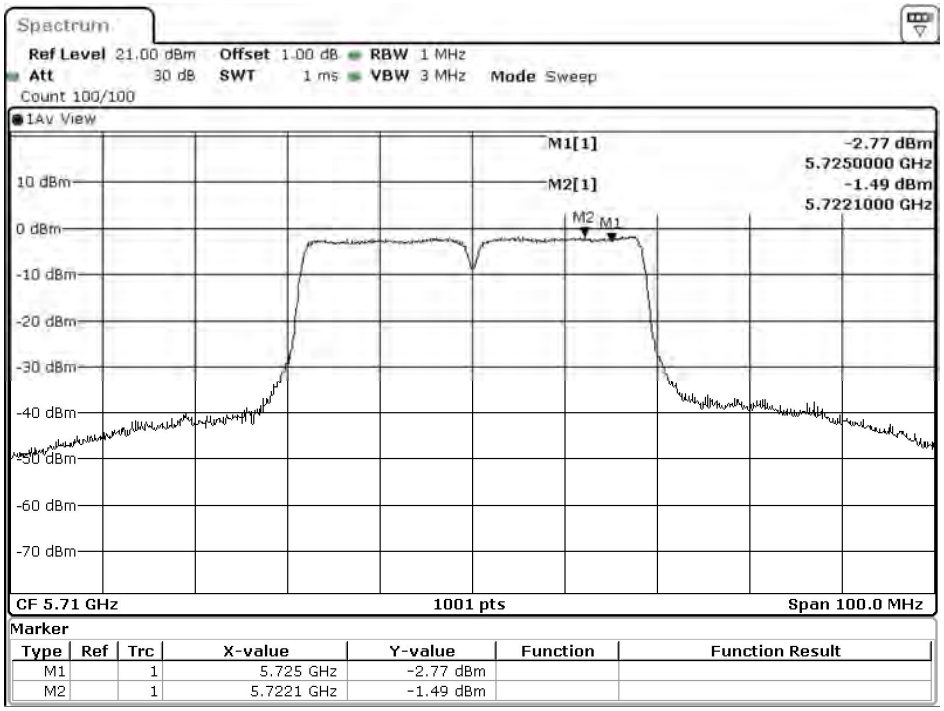
Date: 17.AUG.2021 03:48:19

Channel 142(U-NII-2C) (Chain A)



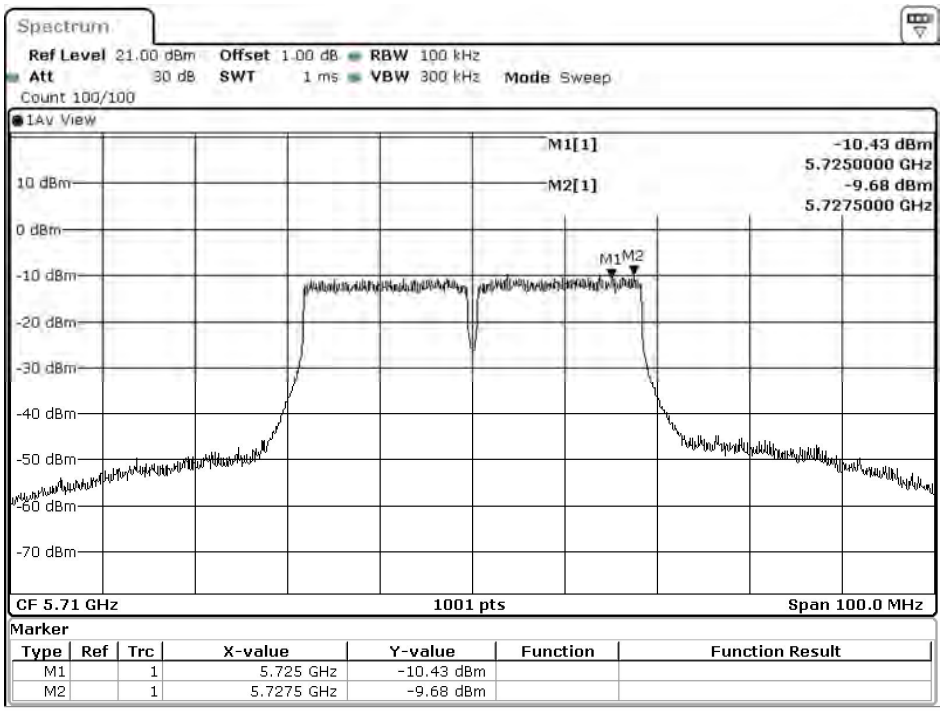
Date: 17.AUG.2021 03:48:57

Channel 142(U-NII-3) (Chain B)



Date: 17.AUG.2021 08:28:36

Channel 142(U-NII-3) (Chain B)



Date: 17.AUG.2021 08:28:57

Product : Speech Generating Device
Test Item : Peak Power Spectral Density
Test Mode : Mode 6: Transmit (802.11ac-80BW 32.5Mbps)
Test Date : 2021/08/19

Channel Number	Frequency (MHz)	Data Rata (Mbps)	Chain (dBm)	PPSD (dBm)	BWCF (dB)	10*log(2) (dB)	Duty factor (dB)	Total PPSD (dBm)	Limit (dBm)	Result
42	5210	VHTO	A	-6.72	--	3.01	0.37	-3.34	<11	Pass
			B	-7.09	--	3.01	0.37	-3.71		Pass
58	5290	VHTO	A	-6.64	--	3.01	0.37	-3.26	<11	Pass
			B	-7.34	--	3.01	0.37	-3.96		Pass
106	5530	VHTO	A	-6.88	--	3.01	0.37	-3.50	<11	Pass
			B	-6.41	--	3.01	0.37	-3.03		Pass
122	5610	VHTO	A	-6.87	--	3.01	0.37	-3.49	<11	Pass
			B	-6.32	--	3.01	0.37	-2.94		Pass
138(U-NII-2C)	5690	VHTO	A	-6.71	--	3.01	0.37	-3.33	<11	Pass
			B	-5.66	--	3.01	0.37	-2.28		Pass
138(U-NII-3)	5690	HT8	A	-15.11	6.98	3.01	0.37	-4.75	<30	Pass
			B	-13.95	6.98	3.01	0.37	-3.59		Pass
155	5775	HT8	A	-21.83	6.98	3.01	0.37	-11.47	<30	Pass
			B	-21.54	6.98	3.01	0.37	-11.18		Pass

Note:
The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.

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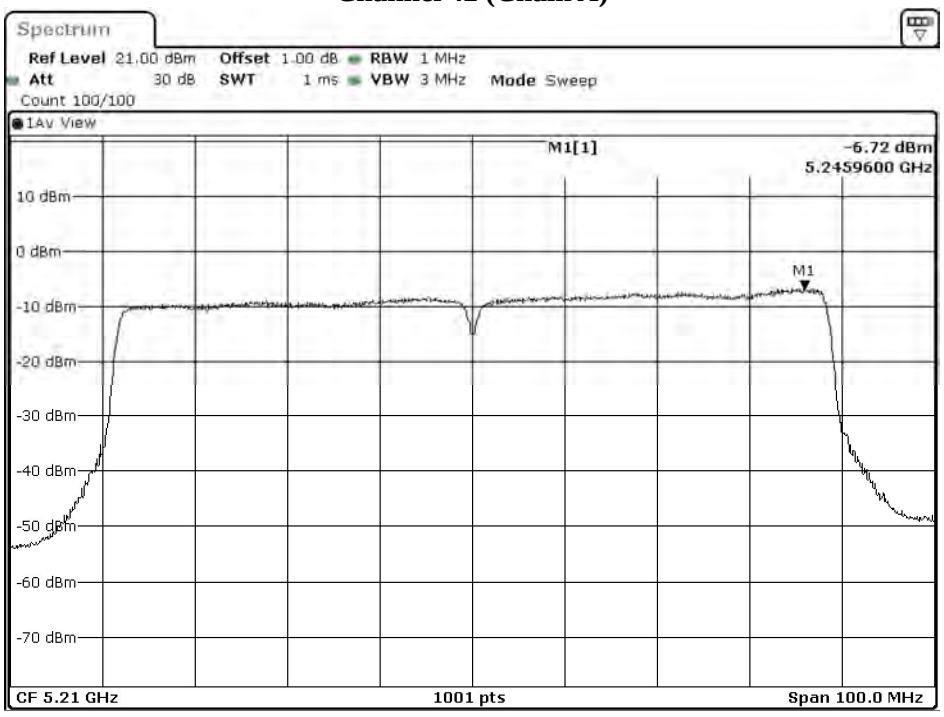
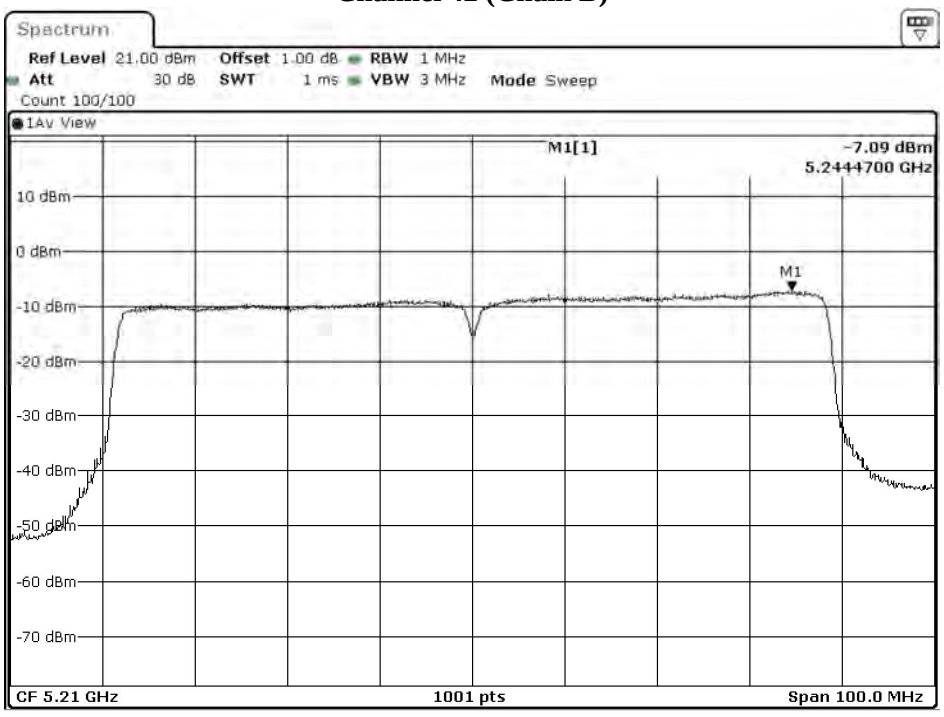
Channel 42 (Chain A)



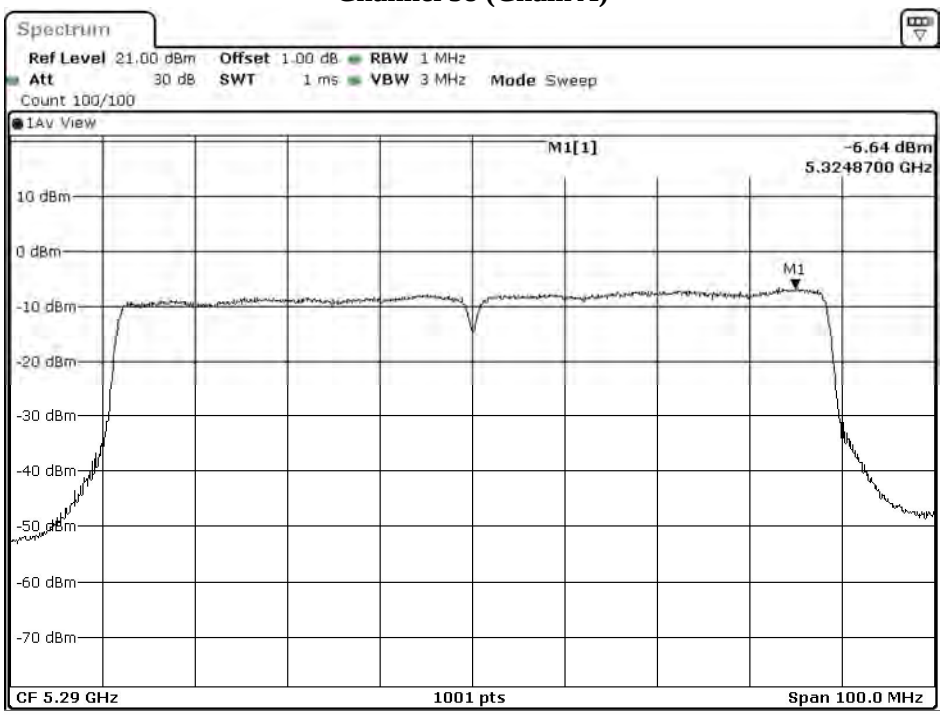
Date: 17.AUG.2021 03:53:06

Channel 42 (Chain B)



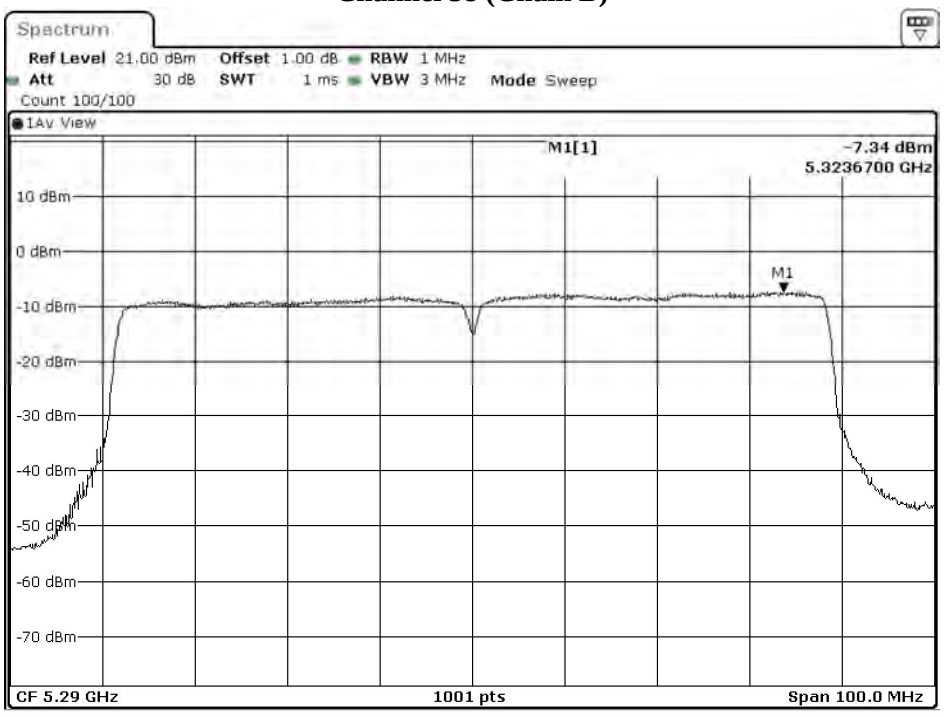
Date: 17.AUG.2021 08:33:39

Channel 58 (Chain A)



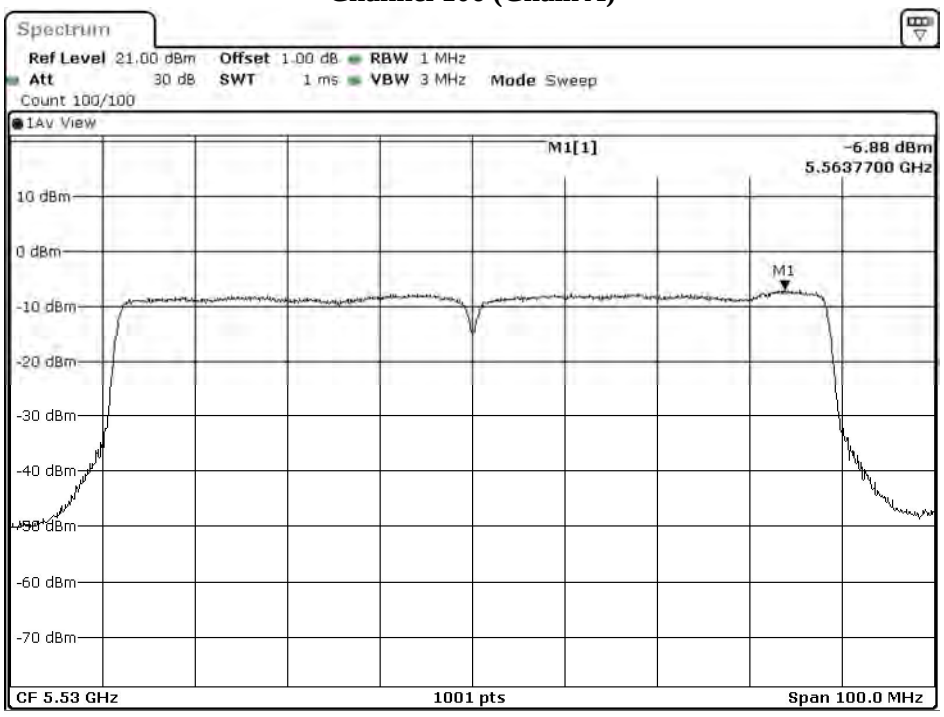
Date: 17.AUG.2021 03:56:28

Channel 58 (Chain B)



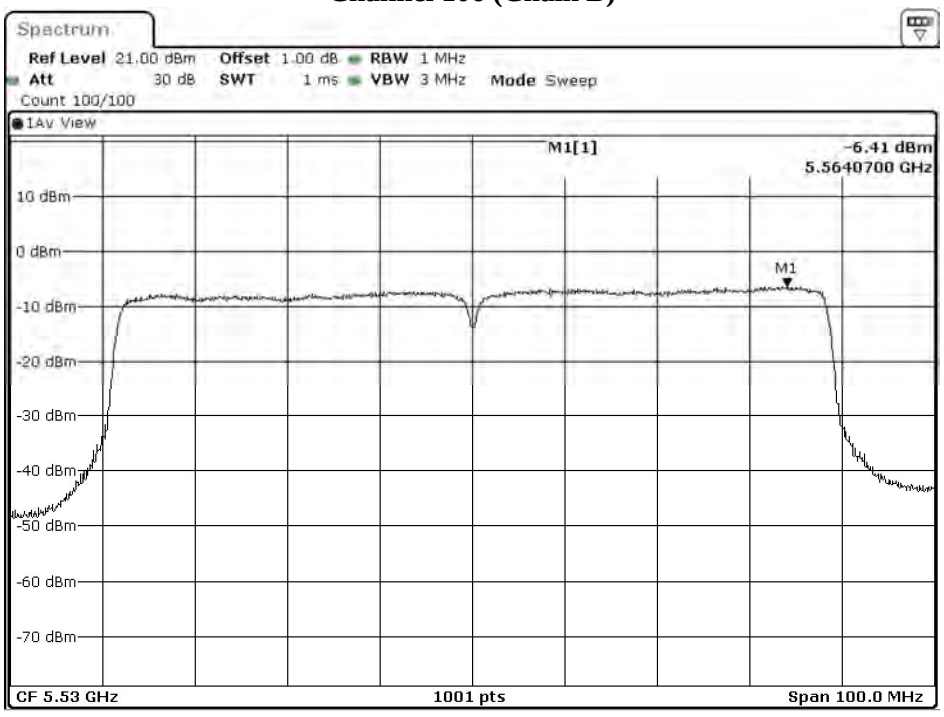
Date: 17.AUG.2021 08:37:01

Channel 106 (Chain A)



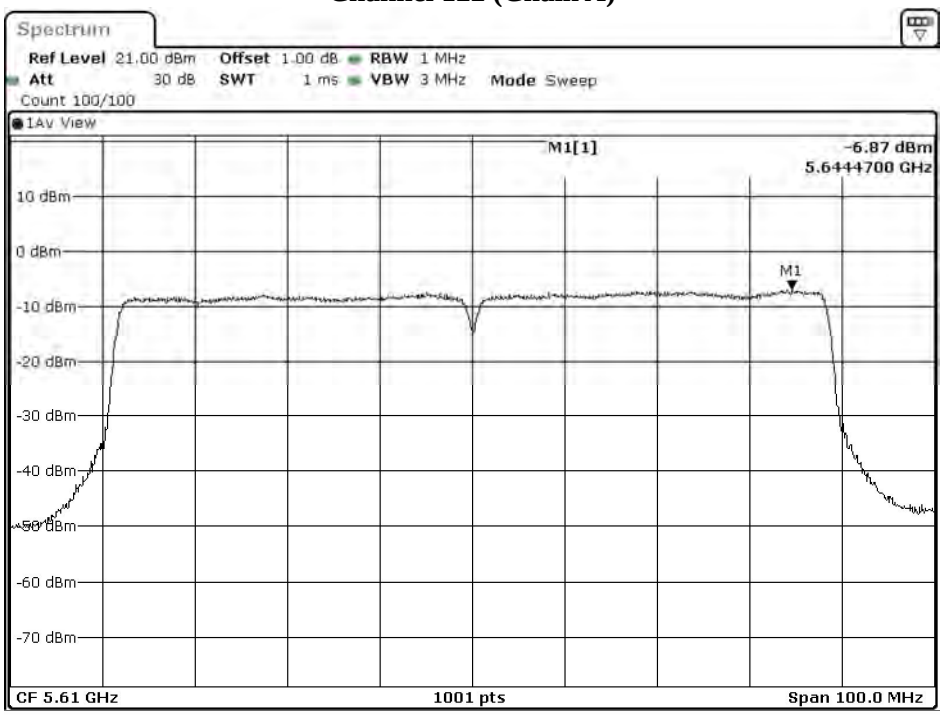
Date: 17.AUG.2021 03:59:58

Channel 106 (Chain B)



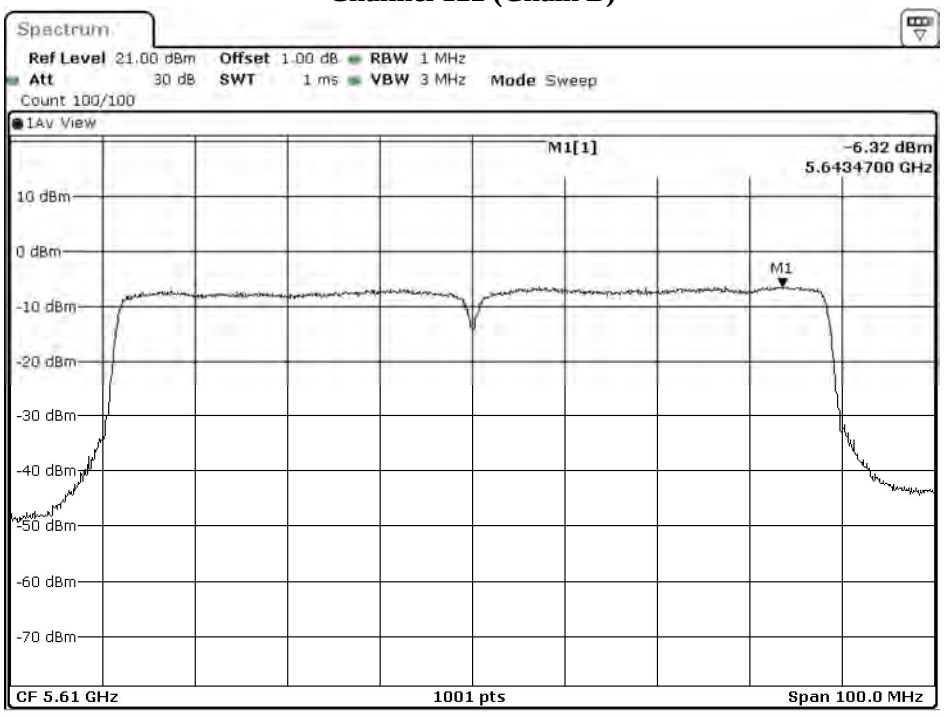
Date: 17.AUG.2021 08:40:32

Channel 122 (Chain A)



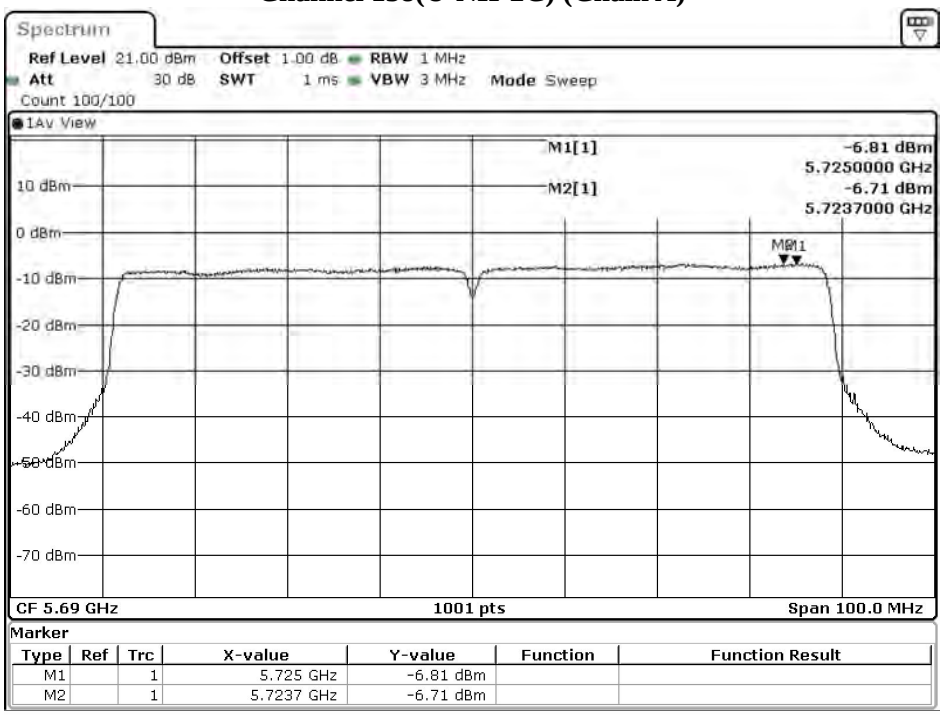
Date: 17.AUG.2021 04:02:31

Channel 122 (Chain B)



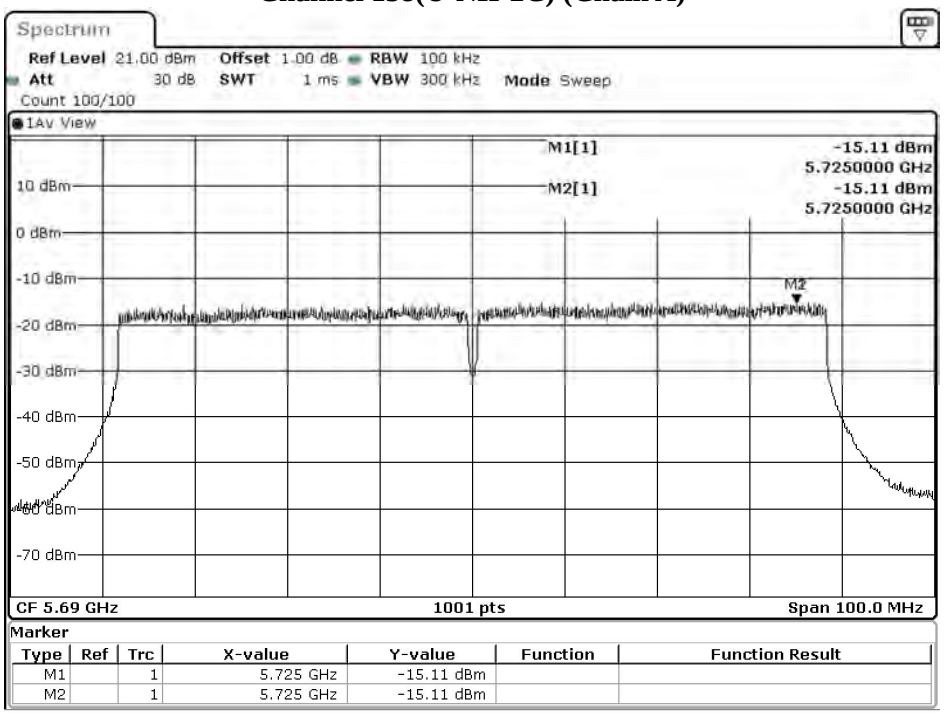
Date: 17.AUG.2021 08:43:05

Channel 138(U-NII-2C) (Chain A)



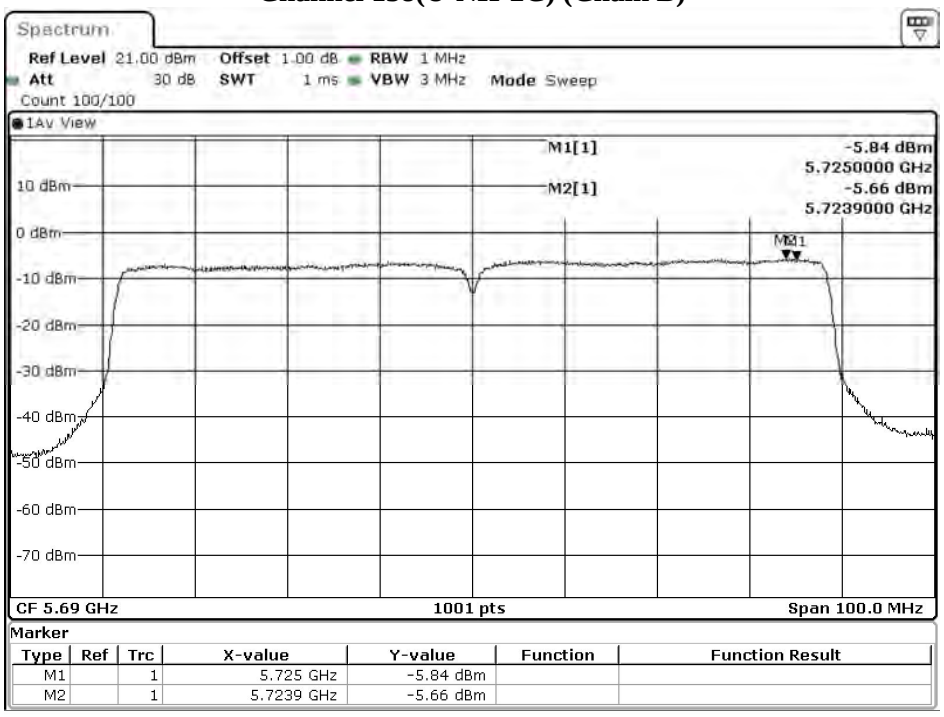
Date: 17.AUG.2021 04:05:30

Channel 138(U-NII-2C) (Chain A)



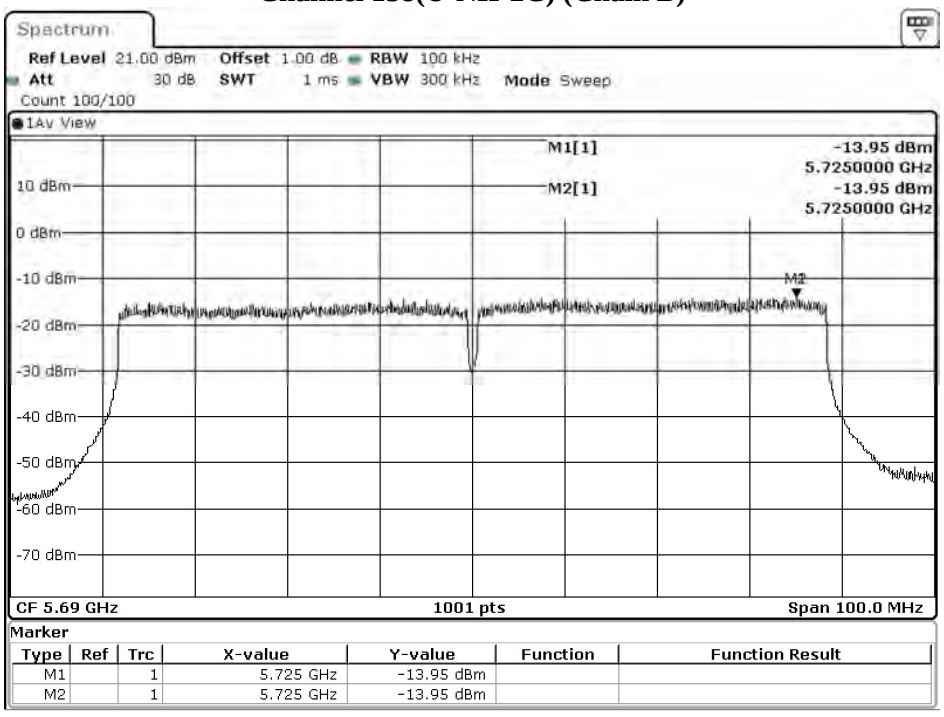
Date: 17.AUG.2021 04:06:07

Channel 138(U-NII-2C) (Chain B)



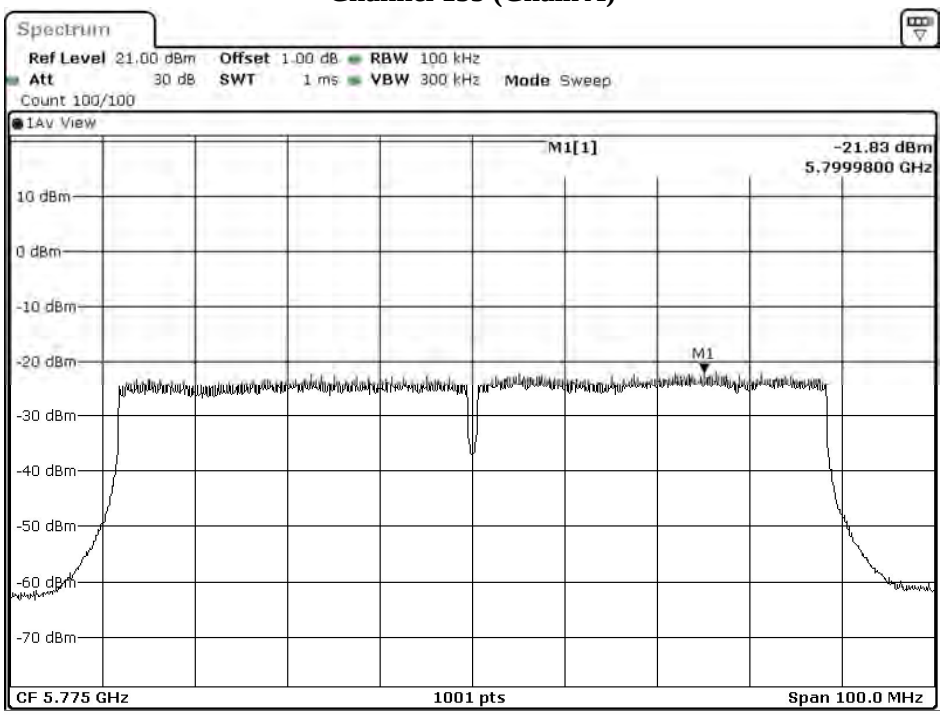
Date: 17.AUG.2021 08:45:47

Channel 138(U-NII-2C) (Chain B)



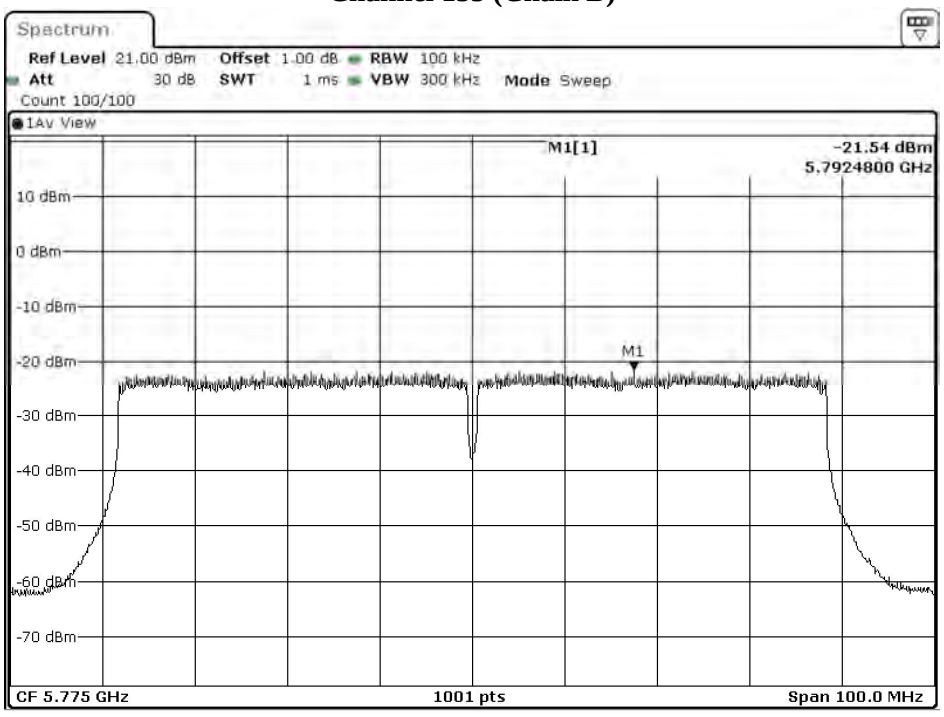
Date: 17.AUG.2021 08:46:08

Channel 155 (Chain A)



Date: 17.AUG.2021 05:37:46

Channel 155 (Chain B)

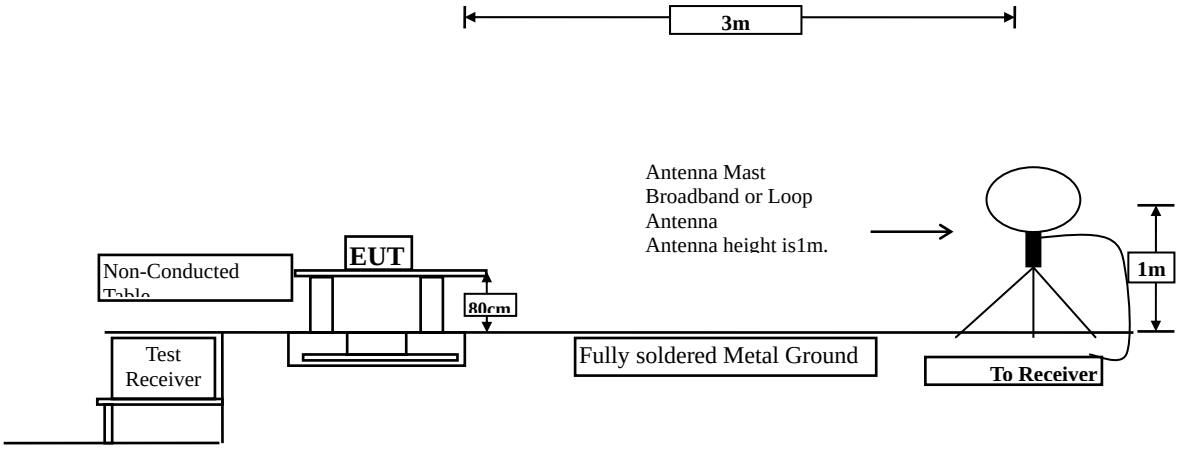


Date: 17.AUG.2021 10:18:20

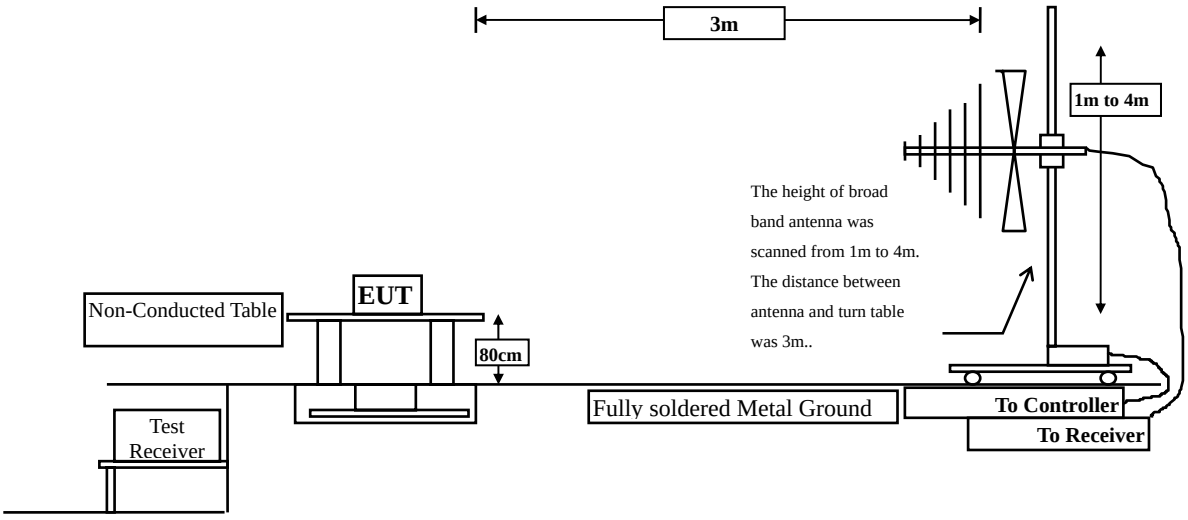
5. Radiated Emission

5.1. Test Setup

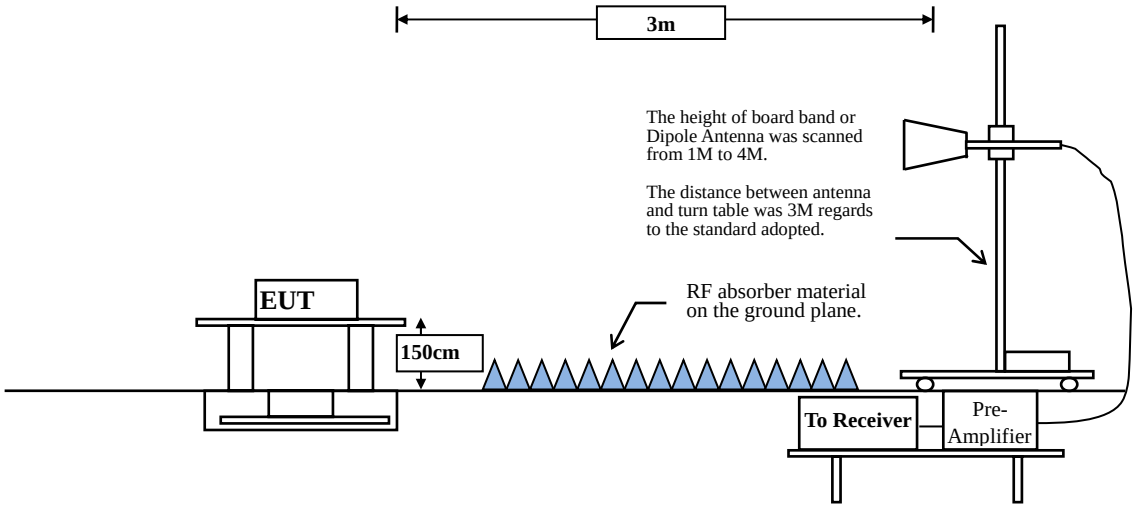
Radiated Emission Under 30MHz



Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



5.2. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209(a) Limits		
Frequency MHz	Field strength (microvolts/meter)	Measurement distance (meter)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remarks: E field strength (dBμV/m) = 20 log E field strength (uV/m)

- For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- 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.
- For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of −27 dBm/MHz.

Based on ANSI C63.10-2013 Section 12.7.3 d) provides the conversion formula between field strength and EIRP, if distance is 3m, -27dBm is equivalent to 68.22dBuV/m.

5.3. Test Procedure

The EUT was setup according to ANSI C63.10, 2013 and tested according to FCC KDB-789033 test procedure for compliance to FCC 47CFR 15. 407 requirements.

Measuring the frequency range below 1GHz, the EUT is placed on a turn table which is 0.8 meter above ground,when measuring the frequency range above 1GHz, the EUT is placed on a turn table which is 1.5 meter above ground.

The turn table is rotated 360 degrees to determine the position of the maximum emission level.

The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned between 1 meter and 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10: 2013 on radiated measurement.

The resolution bandwidth below 30MHz setting on the field strength meter is 9kHz and 30MHz~1GHz is 120kHz and above 1GHz is 1MHz.

Radiated emission measurements below 30MHz are made using Loop Antenna and 30MHz~1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas.

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB bandwidth of the antenna.

The measurement frequency range form 9kHz - 10th Harmonic of fundamental was investigated.

RBW and VBW Parameter setting:

According to KDB 789033 section II.G.5 Procedure for Unwanted Maximum Emissions Measurements above 1000 MHz.

RBW = 1MHz.

VBW ≥ 3MHz.

According to KDB 789033 section II.G.6 Procedures for Average Unwanted Emissions Measurements above 1000 MHz.

RBW = 1MHz.

VBW = 10Hz, when duty cycle ≥ 98 %

VBW ≥ 1/T, when duty cycle < 98 %

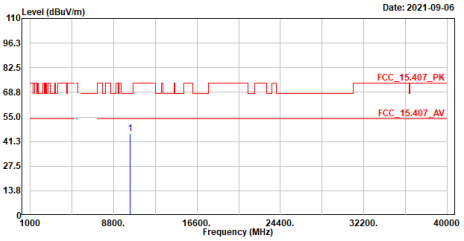
(T refers to the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.)

5GHz band	Duty Cycle (%)	T (ms)	1/T (Hz)	VBW (Hz)
802.11a	97.60	2.0300	493	500
802.11n20	96.52	0.9700	1031	2k
802.11n40	93.33	0.4900	2041	3k
802.11ac80	91.92	0.4550	2198	3k

Note: Duty Cycle Refer to Section 8

5.4. Test Result of Radiated Emission

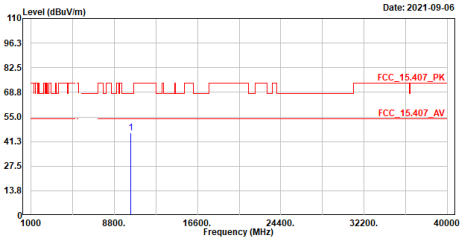
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_a_5180MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10360.000	45.85	68.22	-22.37	42.87	2.98	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

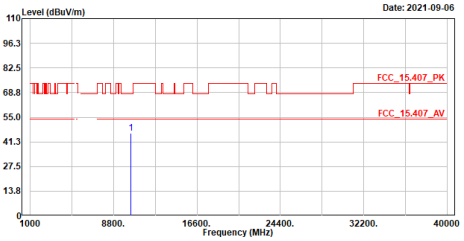
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_a_5180MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10360.000	45.90	68.22	-22.32	42.92	2.98	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

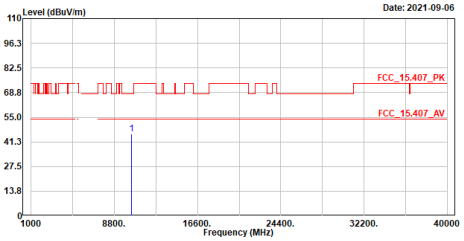
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_a_5220MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10440.000	46.07	68.22	-22.15	43.12	2.95	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

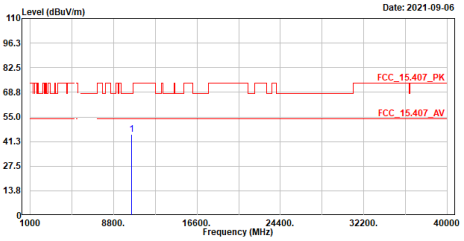
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_a_5220MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10440.000	45.73	68.22	-22.49	42.78	2.95	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

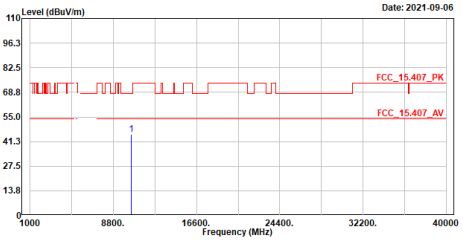
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_a_5240MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10480.000	45.42	68.22	-22.80	42.44	2.98	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

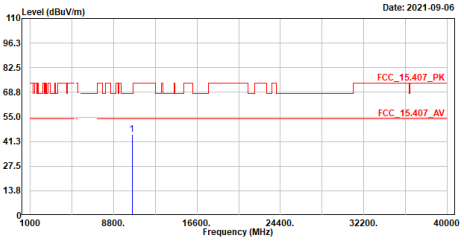
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_a_5240MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10480.000	45.28	68.22	-22.94	42.30	2.98	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

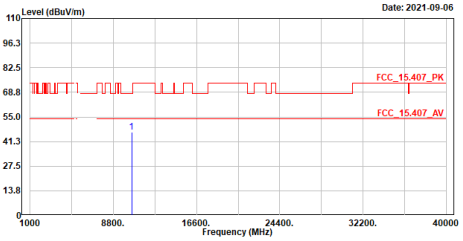
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_a_5260MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10520.000	45.32	68.22	-22.90	42.27	3.05	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

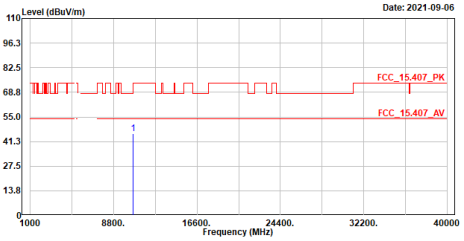
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_a_5260MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10520.000	46.60	68.22	-21.62	43.55	3.05	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

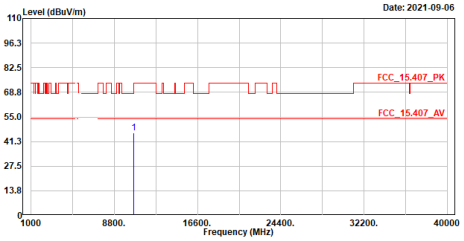
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_a_5300MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10600.000	45.48	74.00	-28.52	42.36	3.12	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

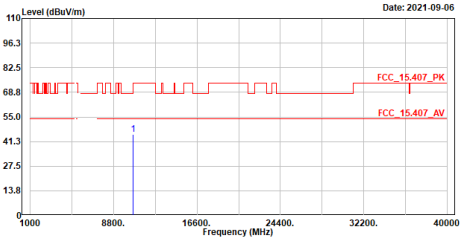
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_a_5300MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10600.000	45.97	74.00	-28.03	42.85	3.12	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

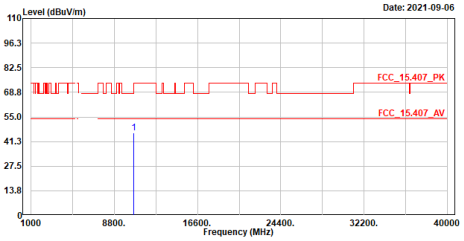
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_a_5320MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10640.000	45.14	74.00	-28.86	41.99	3.15	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

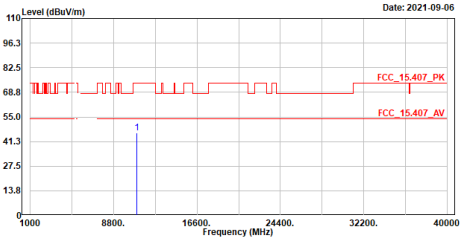
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_a_5320MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10640.000	46.02	74.00	-27.98	42.87	3.15	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

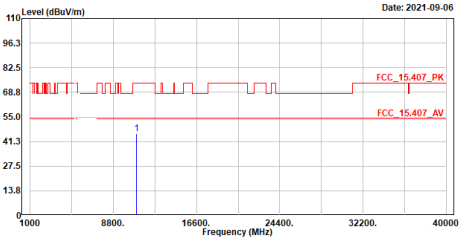
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_a_5500MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11000.000	46.13	74.00	-27.87	42.90	3.23	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

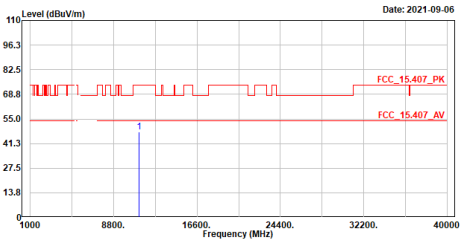
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_a_5500MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11000.000	45.62	74.00	-28.38	42.39	3.23	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

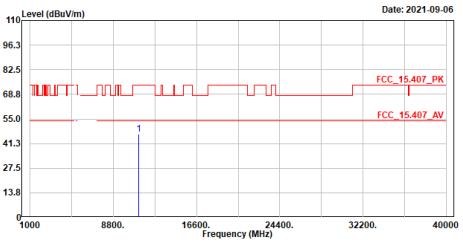
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_a_5580MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11160.000	47.71	74.00	-26.29	44.42	3.29	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

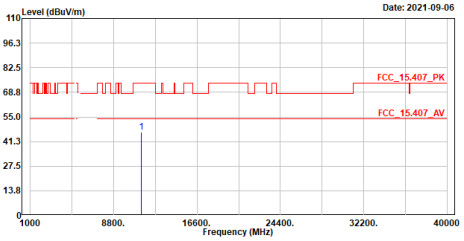
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_a_5580MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11160.000	46.51	74.00	-27.49	43.22	3.29	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

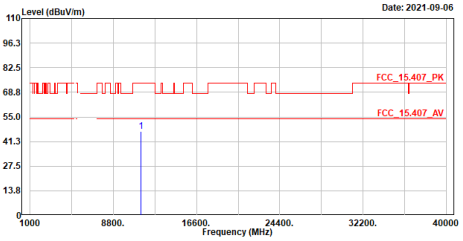
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_a_5700MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11400.000	46.50	74.00	-27.50	42.89	3.61	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

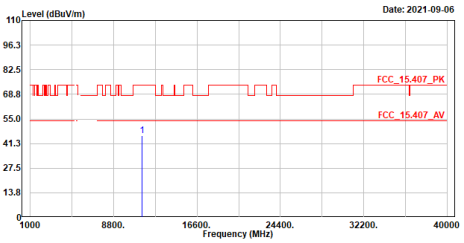
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_a_5700MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11400.000	46.93	74.00	-27.07	43.32	3.61	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

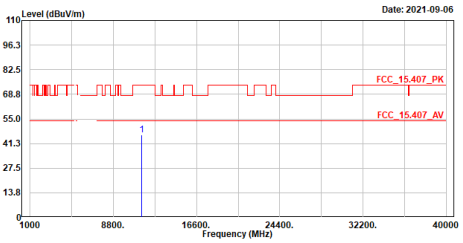
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_a_5745MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11490.000	45.82	74.00	-28.18	42.07	3.75	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

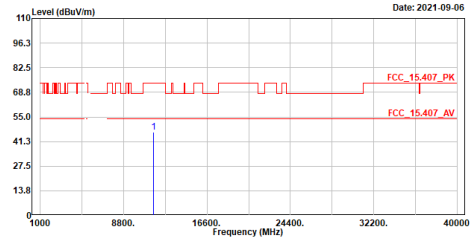
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_a_5745MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11490.000	46.13	74.00	-27.87	42.38	3.75	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

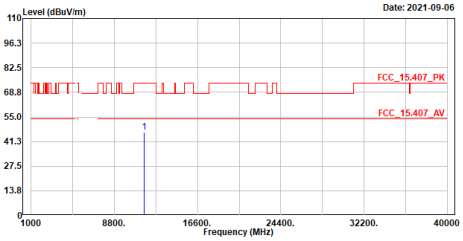
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_a_5785MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11570.000	46.36	74.00	-27.64	42.45	3.91	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

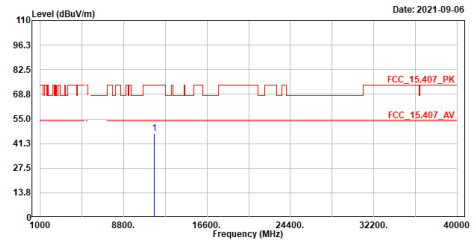
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_a_5785MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11570.000	46.29	74.00	-27.71	42.38	3.91	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

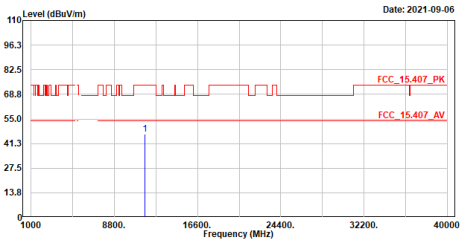
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_a_5825MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11650.000	46.73	74.00	-27.27	42.70	4.03	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

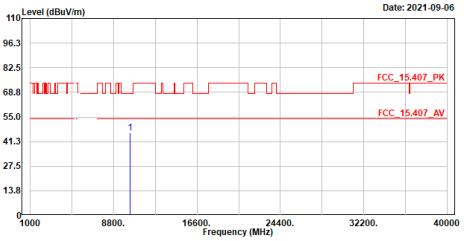
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_a_5825MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11650.000	46.48	74.00	-27.52	42.45	4.03	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

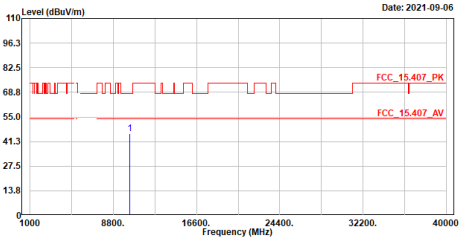
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n20_5180MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10360.000	46.20	68.22	-22.02	43.22	2.98	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

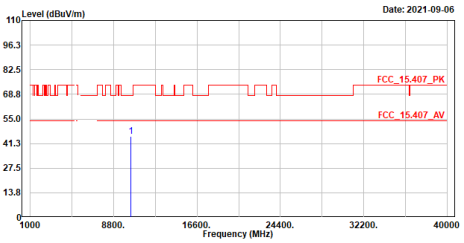
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n20_5180MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10360.000	45.65	68.22	-22.57	42.67	2.98	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

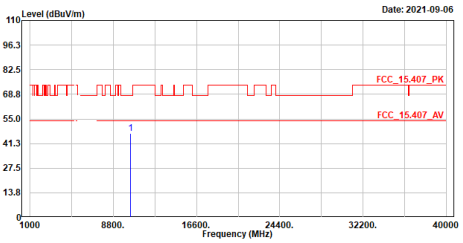
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n20_5220MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10440.000	45.37	68.22	-22.85	42.39	2.98	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

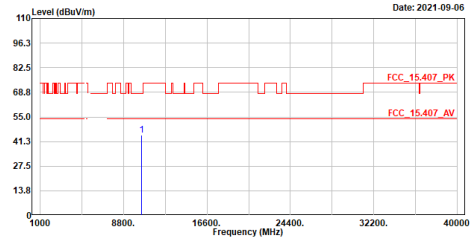
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n20_5220MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10440.000	46.77	68.22	-21.45	43.82	2.95	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

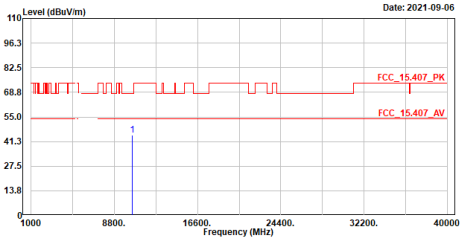
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n20_5240MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10480.000	45.00	68.22	-23.22	42.02	2.98	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

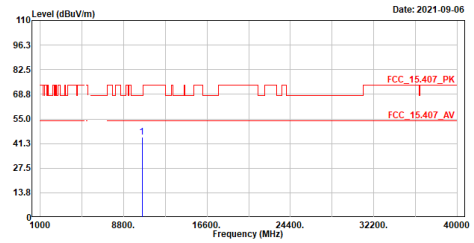
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n20_5240MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10480.000	45.00	68.22	-23.22	42.02	2.98	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

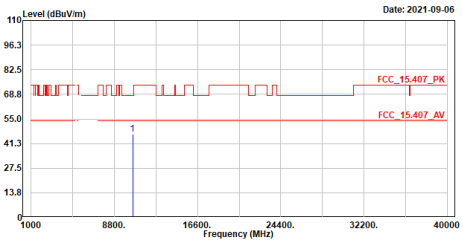
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n20_5260MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10520.000	44.93	68.22	-23.29	41.88	3.05	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

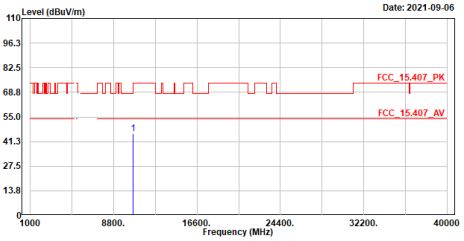
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n20_5260MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10520.000	46.58	68.22	-21.64	43.53	3.05	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

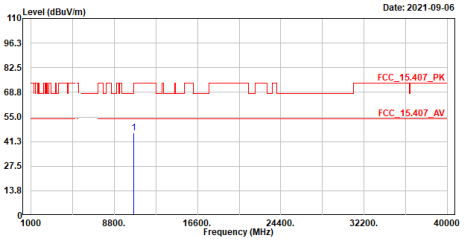
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n20_5300MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10600.000	45.48	74.00	-28.52	42.36	3.12	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

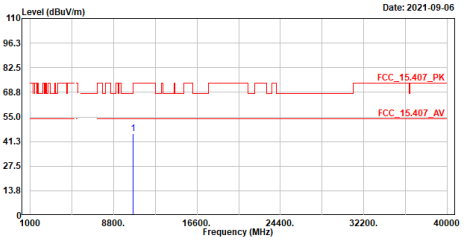
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n20_5300MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10600.000	46.02	74.00	-27.98	42.90	3.12	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

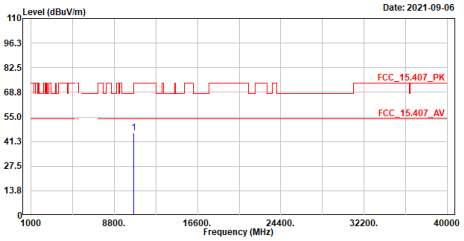
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n20_5320MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10640.000	45.57	74.00	-28.43	42.42	3.15	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

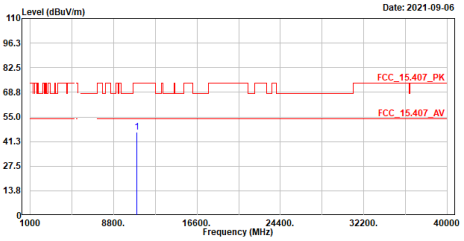
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n20_5320MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10640.000	46.24	74.00	-27.76	43.09	3.15	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

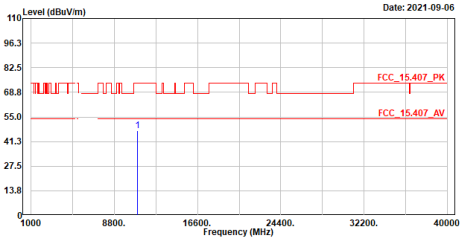
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n20_5500MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11000.000	46.40	74.00	-27.60	43.17	3.23	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

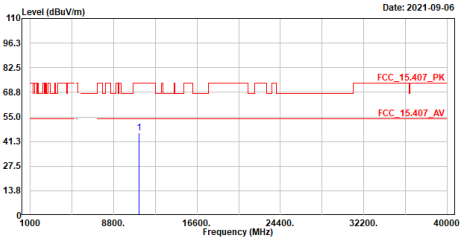
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n20_5500MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11000.000	47.49	74.00	-26.51	44.26	3.23	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

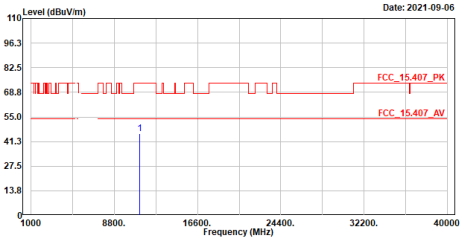
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n20_5580MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11160.000	45.94	74.00	-28.06	42.65	3.29	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

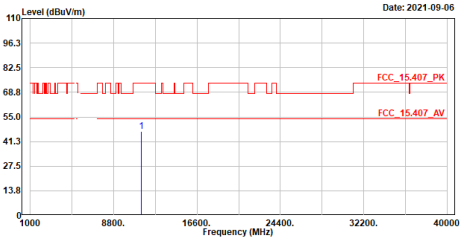
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n20_5580MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11160.000	45.71	74.00	-28.29	42.42	3.29	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

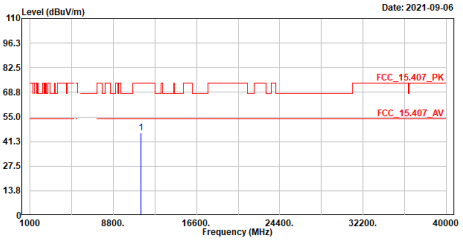
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n20_5700MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11400.000	46.73	74.00	-27.27	43.12	3.61	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

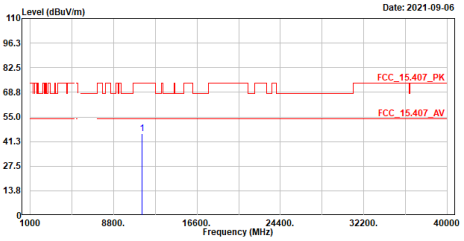
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n20_5700MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11400.000	46.01	74.00	-27.99	42.40	3.61	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

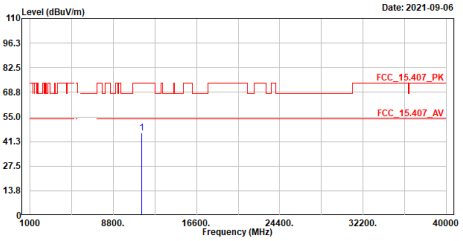
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n20_5720MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11440.000	45.72	74.00	-28.28	42.04	3.68	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

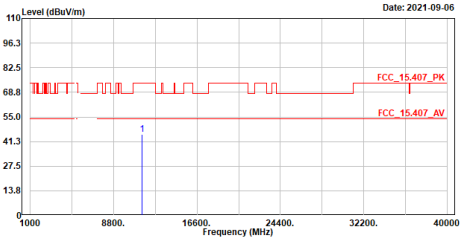
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n20_5720MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11440.000	46.16	74.00	-27.84	42.48	3.68	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

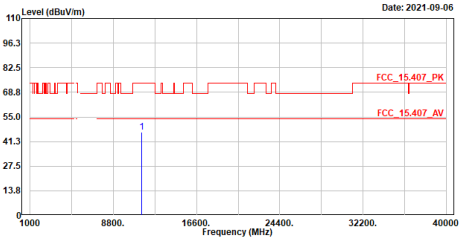
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n20_5745MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11490.000	45.45	74.00	-28.55	41.70	3.75	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

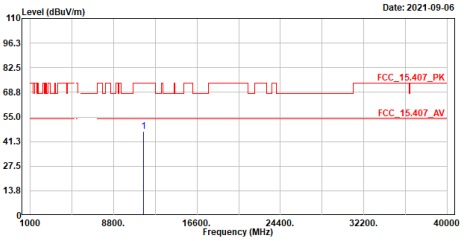
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n20_5745MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11490.000	46.37	74.00	-27.63	42.62	3.75	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

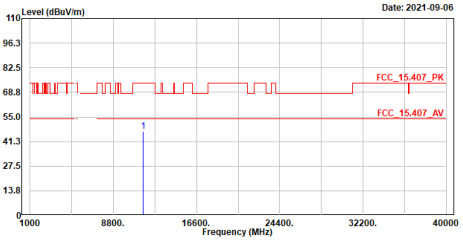
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n20_5785MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11570.000	46.80	74.00	-27.20	42.89	3.91	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

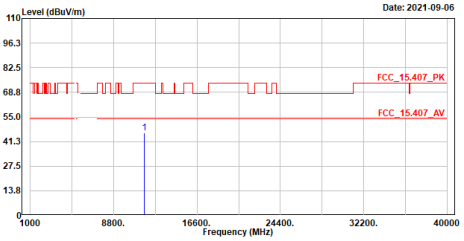
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n20_5785MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11570.000	46.91	74.00	-27.09	43.00	3.91	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

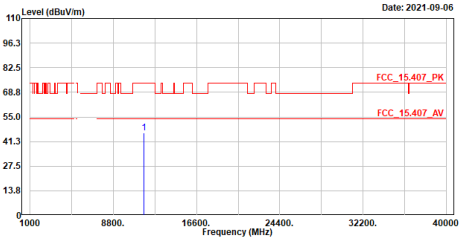
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n20_5825MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11650.000	46.10	74.00	-27.90	42.07	4.03	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

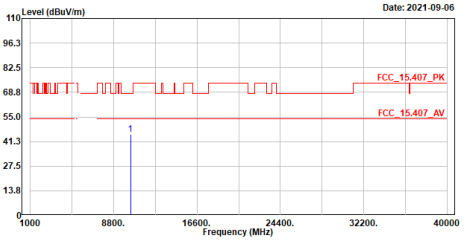
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n20_5825MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11650.000	46.27	74.00	-27.73	42.24	4.03	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

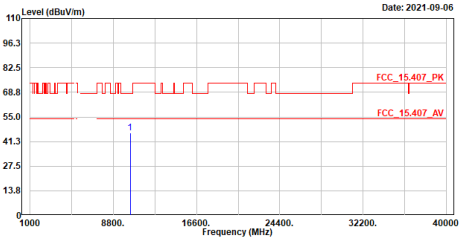
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n40_5190MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10380.000	45.31	68.22	-22.91	42.33	2.98	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

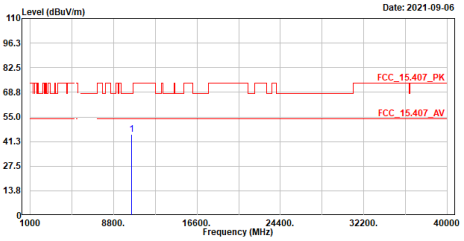
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n40_5190MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10380.000	46.26	68.22	-21.96	43.28	2.98	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

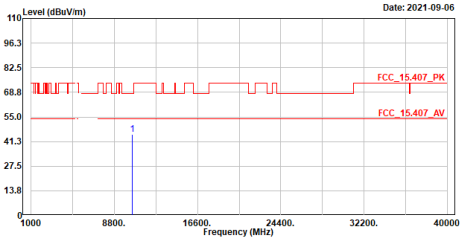
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n40_5230MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10460.000	45.25	68.22	-22.97	42.28	2.97	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

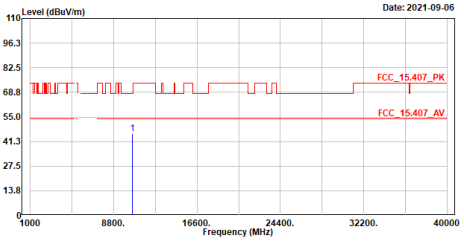
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n40_5230MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10460.000	45.34	68.22	-22.88	42.37	2.97	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

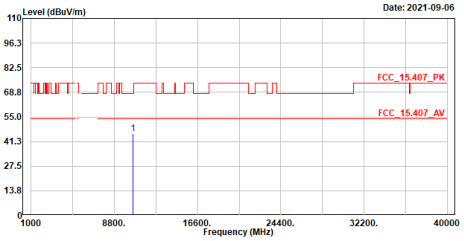
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n40_5270MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10540.000	45.61	68.22	-22.61	42.54	3.07	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

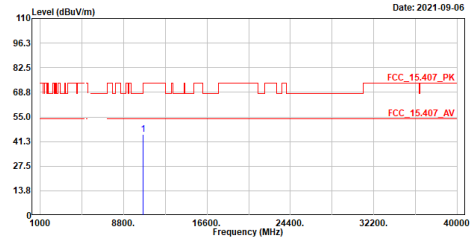
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n40_5270MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10540.000	45.73	68.22	-22.49	42.66	3.07	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

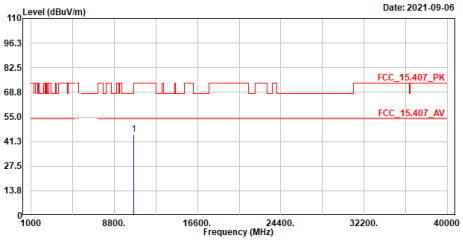
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n40_5310MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10620.000	45.24	74.00	-28.76	42.11	3.13	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

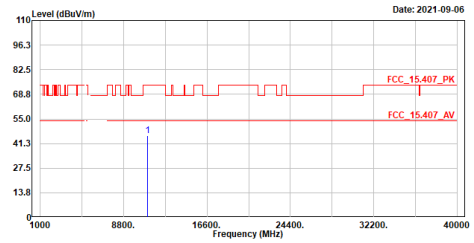
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n40_5310MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10620.000	45.36	74.00	-28.64	42.23	3.13	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

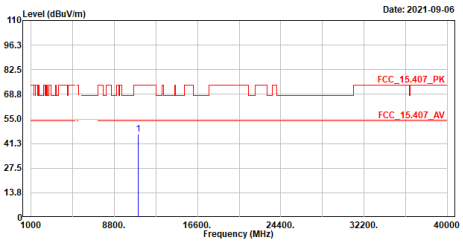
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n40_5510MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11020.000	45.81	74.00	-28.19	42.59	3.22	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

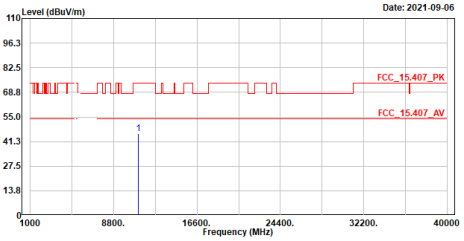
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n40_5510MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11020.000	46.39	74.00	-27.61	43.17	3.22	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

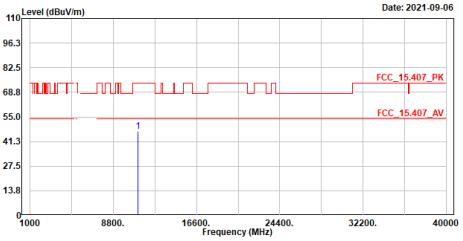
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n40_5550MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11100.000	45.50	74.00	-28.50	42.22	3.28	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

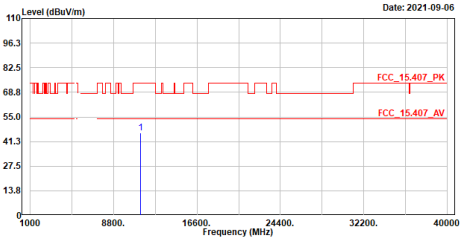
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n40_5550MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11100.000	46.70	74.00	-27.30	43.42	3.28	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

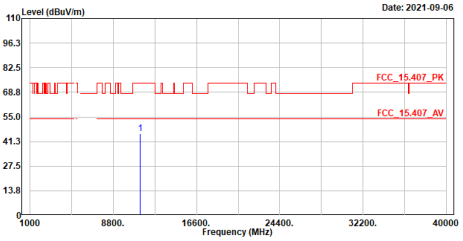
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n40_5670MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11340.000	46.00	74.00	-28.00	42.46	3.54	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

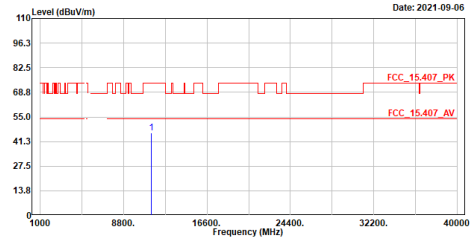
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n40_5670MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11340.000	45.83	74.00	-28.17	42.29	3.54	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

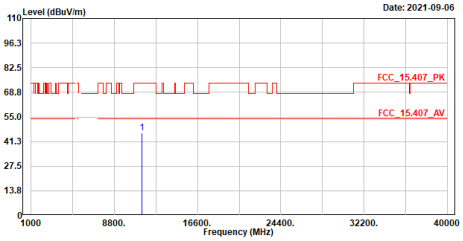
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n40_5710MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11420.000	46.09	74.00	-27.91	42.45	3.64	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

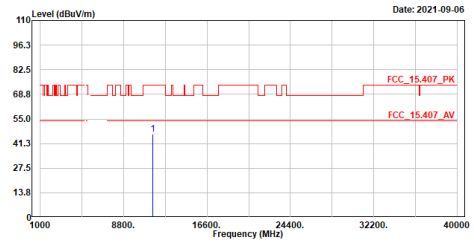
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n40_5710MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11420.000	45.93	74.00	-28.07	42.29	3.64	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

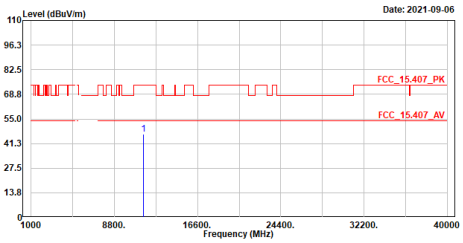
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n40_5755MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11510.000	46.32	74.00	-27.68	42.54	3.78	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

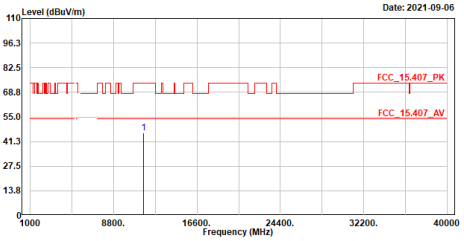
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n40_5755MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11510.000	46.53	74.00	-27.47	42.75	3.78	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

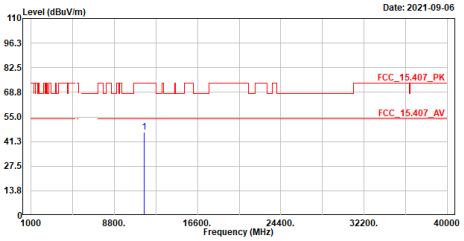
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_n40_5795MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11590.000	46.22	74.00	-27.78	42.27	3.95	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

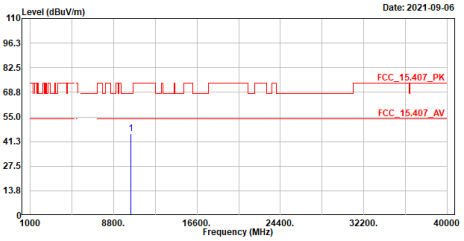
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n40_5795MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11590.000	46.52	74.00	-27.48	42.57	3.95	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

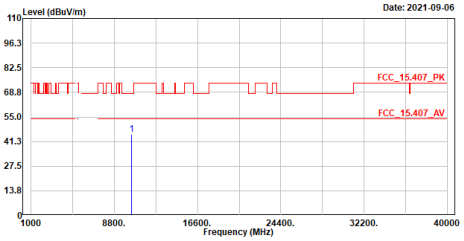
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_ac80_5210MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10420.000	45.79	68.22	-22.43	42.83	2.96	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

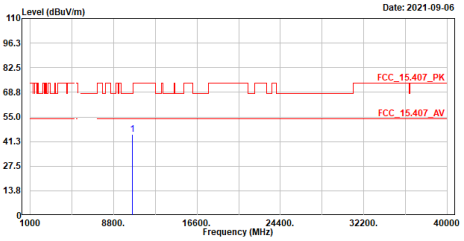
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_ac80_5210MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10420.000	45.14	68.22	-23.08	42.18	2.96	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

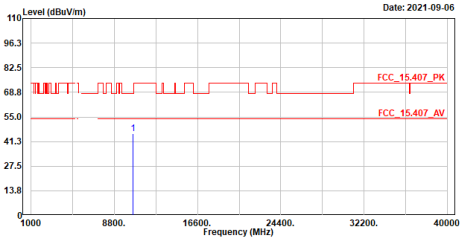
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_ac80_5290MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10580.000	45.06	68.22	-23.16	41.96	3.10	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

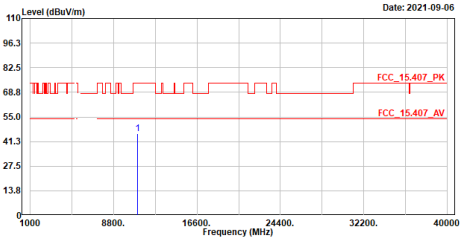
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_ac80_5290MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	10580.000	45.72	68.22	-22.50	42.62	3.10	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

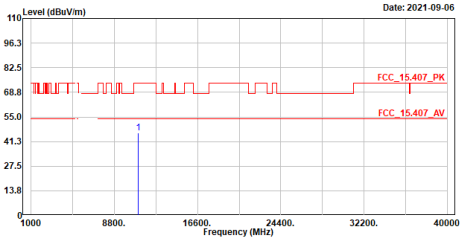
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_ac80_5530MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11060.000	45.85	74.00	-28.15	42.60	3.25	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

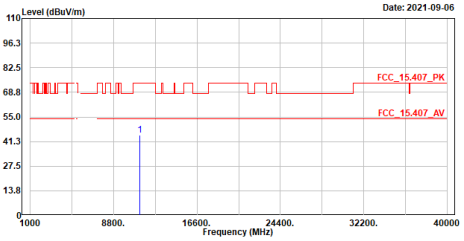
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_ac80_5530MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11060.000	46.23	74.00	-27.77	42.98	3.25	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

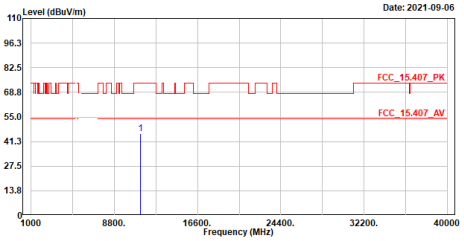
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_ac80_5610MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11220.000	44.90	74.00	-29.10	41.59	3.31	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

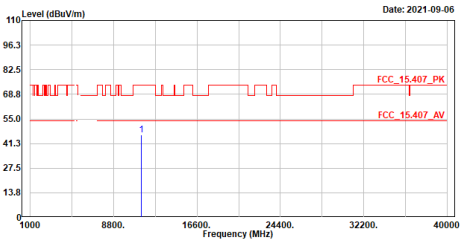
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_ac80_5610MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11220.000	45.75	74.00	-28.25	42.44	3.31	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

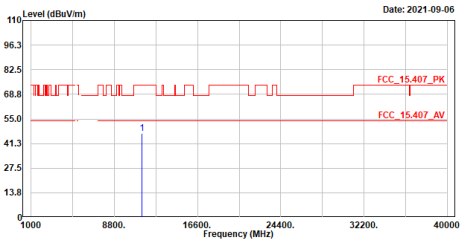
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_ac80_5690MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11380.000	46.08	74.00	-27.92	42.49	3.59	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

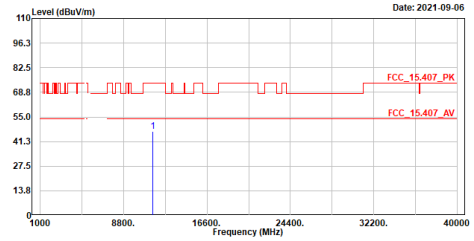
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_ac80_5690MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11380.000	46.88	74.00	-27.12	43.29	3.59	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

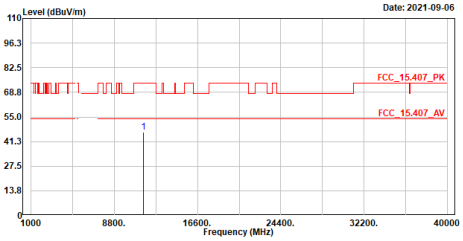
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_ac80_5775MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11550.000	47.08	74.00	-26.92	43.21	3.87	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

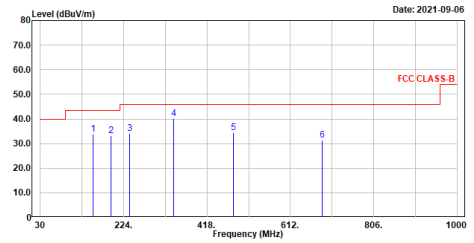
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_ac80_5775MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11550.000	46.55	74.00	-27.45	42.68	3.87	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

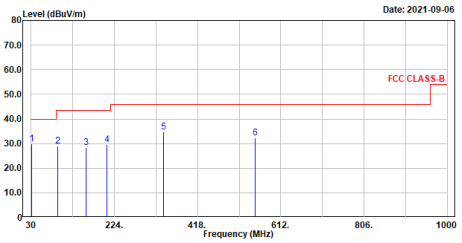
Site :966-1
Condition :3m ,HORIZONTAL
Mode :TX_ac80_5530MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	152.220	33.84	43.50	-9.66	45.49	-11.65	QP
2	193.930	33.07	43.50	-10.43	47.48	-14.41	QP
3	238.550	34.10	46.00	-11.90	47.11	-13.01	QP
4	340.400	40.26	46.00	-5.74	50.38	-10.12	QP
5	480.080	34.27	46.00	-11.73	41.24	-6.97	QP
6	685.720	31.34	46.00	-14.66	34.61	-3.27	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Site :966-1
Condition :3m ,VERTICAL
Mode :TX_ac80_5530MHz
TEST BY :Gavin Wu



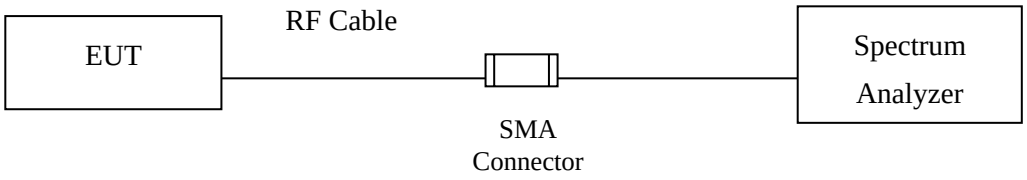
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	31.940	29.75	40.00	-10.25	42.87	-13.12	QP
2	92.080	28.98	43.50	-14.52	46.68	-17.70	QP
3	159.010	28.24	43.50	-15.26	39.75	-11.51	QP
4	207.510	29.60	43.50	-13.90	44.00	-14.40	QP
5	339.430	34.85	46.00	-11.15	44.97	-10.12	QP
6	551.860	32.25	46.00	-13.75	38.06	-5.81	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

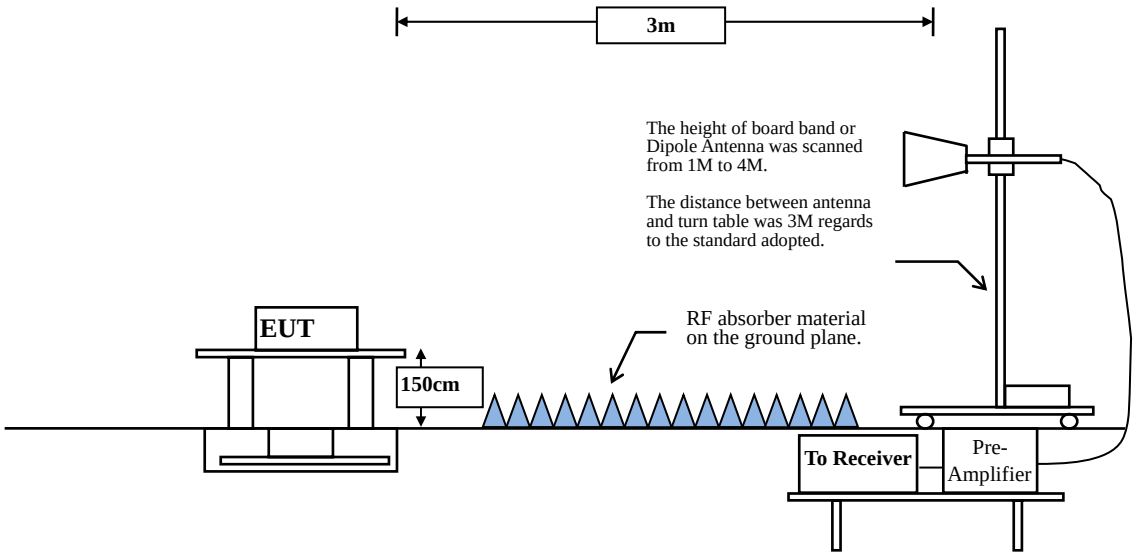
6. Band Edge

6.1. Test Setup

RF Conducted Measurement:



RF Radiated Measurement:



6.2. Limits

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section. Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBμV/m@3m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remarks : 1. RF Voltage (dBμV) = 20 log RF Voltage (uV)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

- For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- 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.
- For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of −27 dBm/MHz.

Based on ANSI C63.10-2013 Section 12.7.3 d) provides the conversion formula between field strength and EIRP, if distance is 3m, -27dBm is equivalent to 68.22dBuV/m.

6.3. Test Procedure

The EUT is placed on a turn table which is 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 on radiated measurement.
The bandwidth below 1GHz setting on the field strength meter is 120 kHz, above 1GHz are 1 MHz.
The EUT was setup to ANSI C63.10, 2013; tested to UNII test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

RBW and VBW Parameter setting:

According to KDB 789033 section II.G.5 Procedure for Unwanted Maximum Emissions Measurements above 1000 MHz.

RBW = 1MHz.

VBW ≥ 3MHz.

According to KDB 789033 section II.G.6 Procedures for Average Unwanted Emissions Measurements above 1000 MHz.

RBW = 1MHz.

VBW = 10Hz, when duty cycle ≥ 98 %

VBW ≥ 1/T, when duty cycle < 98 %

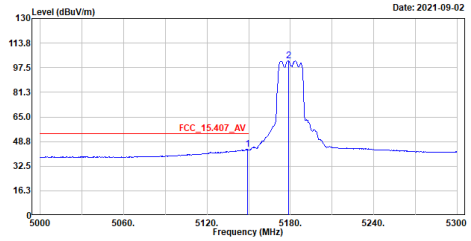
(T refers to the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.)

5GHz band	Duty Cycle (%)	T (ms)	1/T (Hz)	VBW (Hz)
802.11a	97.60	2.0300	493	500
802.11n20	96.52	0.9700	1031	2k
802.11n40	93.33	0.4900	2041	3k
802.11ac80	91.92	0.4550	2198	3k

Note: Duty Cycle Refer to Section 8

6.4. Test Result of Band Edge

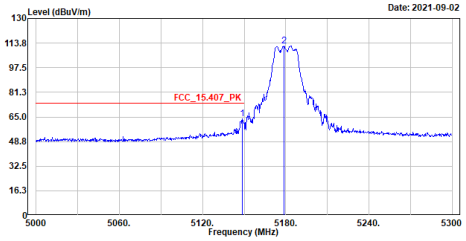
Site :966-1
Condition :3m ,Horizontal
Mode :TX_a_5180MHz
TEST BY :Carlos Chen



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5149.100	43.84	54.00	-10.16	28.75	15.09	Average
2	5178.800	101.99	------	------	86.74	15.25	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

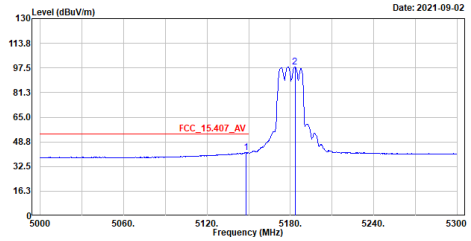
Site :966-1
Condition :3m ,Horizontal
Mode :TX_a_5180MHz
TEST BY :Carlos Chen



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5148.800	63.75	74.00	-10.25	48.66	15.09	Peak
2	5178.500	111.93	------	------	96.69	15.24	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

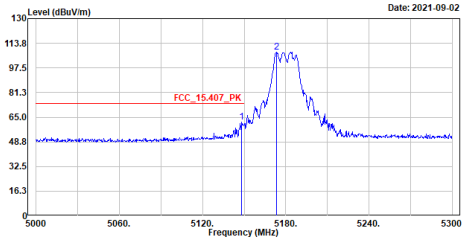
Site :966-1
Condition :3m ,Vertical
Mode :TX_a_5180MHz
TEST BY :Carlos Chen



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5148.200	41.61	54.00	-12.39	26.52	15.09	Average
2	5183.300	98.04	------	------	82.77	15.27	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

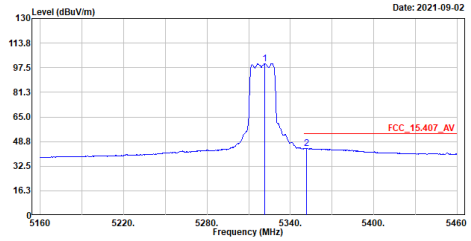
Site :966-1
Condition :3m ,Vertical
Mode :TX_a_5180MHz
TEST BY :Carlos Chen



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5147.900	61.68	74.00	-12.32	46.59	15.09	Peak
2	5173.400	107.89	------	------	92.67	15.22	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

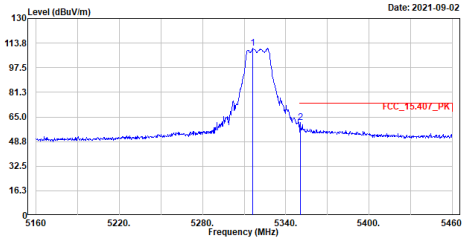
Site :966-1
Condition :3m ,Horizontal
Mode :TX_a_5320MHz
TEST BY :Carlos Chen



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5321.700	100.18	------	------	84.61	15.57	Average
2	5351.400	44.09	54.00	-9.91	28.43	15.66	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

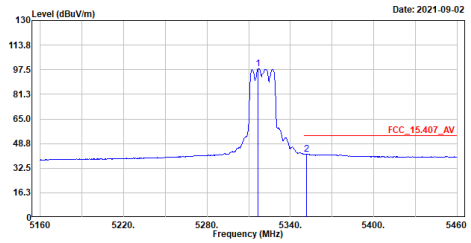
Site :966-1
Condition :3m ,Horizontal
Mode :TX_a_5320MHz
TEST BY :Carlos Chen



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5316.000	110.20	------	------	94.65	15.55	Peak
2	5350.500	61.18	74.00	-12.82	45.52	15.66	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

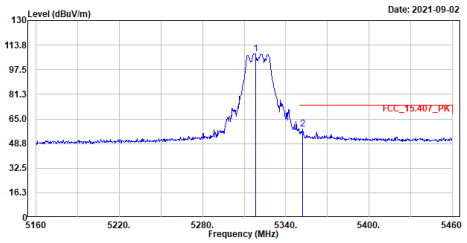
Site :966-1
Condition :3m ,Vertical
Mode :TX_a_5320MHz
TEST BY :Carlos Chen



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5316.900	98.10	------	------	82.55	15.55	Average
2	5351.700	41.93	54.00	-12.07	26.27	15.66	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

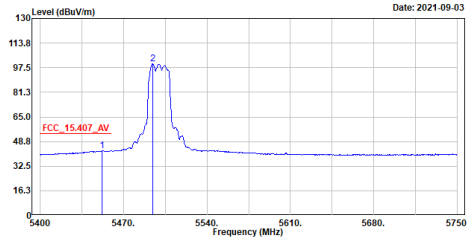
Site :966-1
Condition :3m ,Vertical
Mode :TX_a_5320MHz
TEST BY :Carlos Chen



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5318.100	108.04	------	------	92.48	15.56	Peak
2	5352.300	58.21	74.00	-15.79	42.55	15.66	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

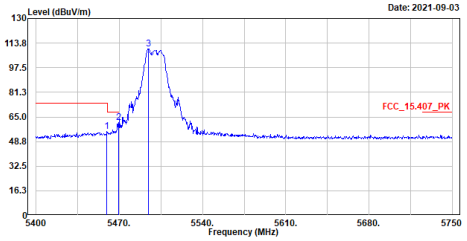
Site :966-1
Condition :3m ,Horizontal
Mode :TX_a_5500MHz
TEST BY :Carlos Chen



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5452.150	42.74	54.00	-11.26	26.81	15.93	Average
2	5494.500	100.03	------	------	83.93	16.10	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

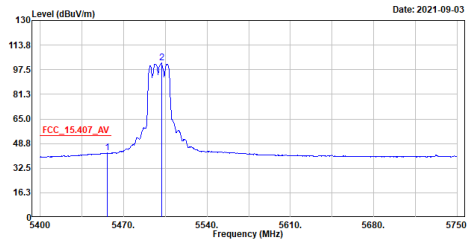
Site :966-1
Condition :3m ,Horizontal
Mode :TX_a_5500MHz
TEST BY :Carlos Chen



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5459.500	55.39	74.00	-18.61	39.43	15.96	Peak
2	5469.300	61.09	68.22	-7.13	45.09	16.00	Peak
3	5494.500	109.72	------	------	93.62	16.10	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

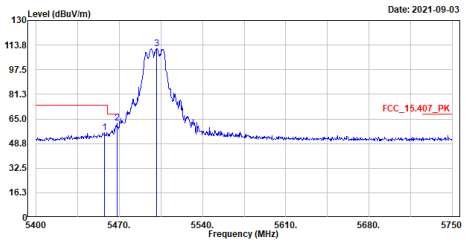
Site :966-1
Condition :3m ,Vertical
Mode :TX_a_5500MHz
TEST BY :Carlos Chen



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5456.350	42.55	54.00	-11.45	26.60	15.95	Average
2	5501.850	101.81	------	------	85.68	16.13	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

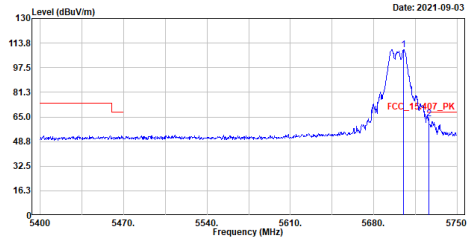
Site :966-1
Condition :3m ,Vertical
Mode :TX_a_5500MHz
TEST BY :Carlos Chen



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5457.750	56.10	74.00	-17.90	40.14	15.96	Peak
2	5467.900	62.43	68.22	-5.79	46.43	16.00	Peak
3	5501.500	111.38	------	------	95.25	16.13	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

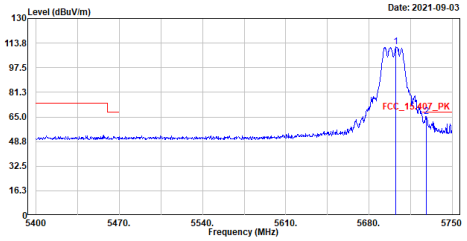
Site :966-1
Condition :3m ,Horizontal
Mode :TX_a_5700MHz
TEST BY :Carlos Chen



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5705.200	109.40	------	------	93.06	16.34	Peak
2	5726.200	63.99	68.22	-4.23	47.64	16.35	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

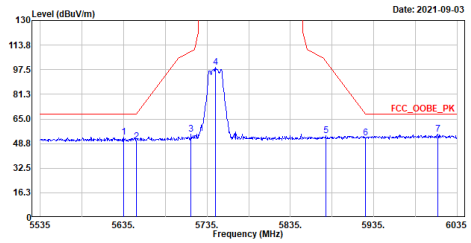
Site :966-1
Condition :3m ,Vertical
Mode :TX_a_5700MHz
TEST BY :Carlos Chen



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5702.750	111.27	------	------	94.93	16.34	Peak
2	5727.950	65.36	68.22	-2.86	49.01	16.35	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

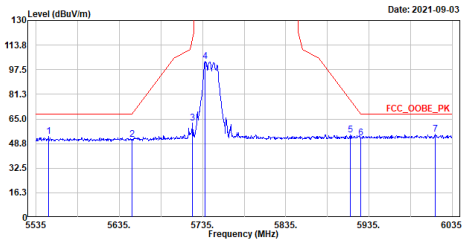
Site :966-1
Condition :3m ,Horizontal
Mode :TX_a_5745MHz
TEST BY :Carlos Chen



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5635.500	53.08	68.22	-15.14	37.00	16.08	Peak
2	5650.000	50.24	68.23	-17.99	34.13	16.11	Peak
3	5716.000	55.07	109.68	-54.61	38.72	16.35	Peak
4	5745.500	98.88	------	------	82.52	16.36	Peak
5	5877.500	53.86	103.35	-49.49	37.08	16.78	Peak
6	5925.000	52.55	68.23	-15.68	35.68	16.87	Peak
7	6011.500	54.81	68.22	-13.41	37.82	16.99	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

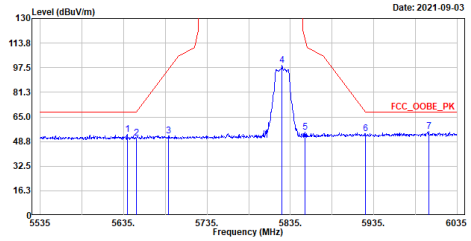
Site :966-1
Condition :3m ,Vertical
Mode :TX_a_5745MHz
TEST BY :Carlos Chen



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5550.500	53.53	68.22	-14.69	37.47	16.06	Peak
2	5650.000	51.39	68.23	-16.84	35.28	16.11	Peak
3	5723.000	62.33	117.64	-55.31	45.98	16.35	Peak
4	5738.000	102.92	------	------	86.56	16.36	Peak
5	5912.500	54.41	77.47	-23.06	37.53	16.88	Peak
6	5925.000	52.41	68.23	-15.82	35.54	16.87	Peak
7	6014.500	54.99	68.22	-13.23	37.99	17.00	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

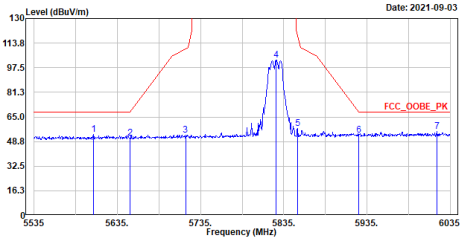
Site :966-1
Condition :3m ,Horizontal
Mode :TX_a_5825MHz
TEST BY :Carlos Chen



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5639.500	53.34	68.22	-14.88	37.25	16.09	Peak
2	5650.000	50.99	68.23	-17.24	34.88	16.11	Peak
3	5689.000	52.68	97.07	-44.39	36.38	16.30	Peak
4	5825.000	99.04	------	------	82.46	16.58	Peak
5	5853.000	54.88	115.36	-60.48	38.22	16.66	Peak
6	5925.000	54.07	68.23	-14.16	37.20	16.87	Peak
7	6001.000	55.21	68.22	-13.01	38.23	16.98	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

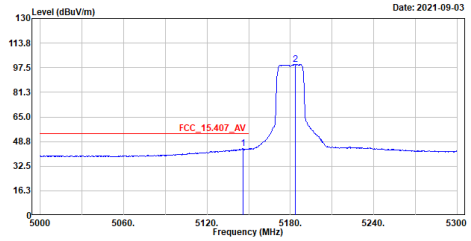
Site :966-1
Condition :3m ,Vertical
Mode :TX_a_5825MHz
TEST BY :Carlos Chen



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5606.500	53.61	68.22	-14.61	37.60	16.01	Peak
2	5650.000	51.21	68.23	-17.02	35.10	16.11	Peak
3	5717.000	53.20	109.96	-56.76	36.85	16.35	Peak
4	5825.500	102.62	------	------	86.04	16.58	Peak
5	5851.500	57.38	118.78	-61.40	40.72	16.66	Peak
6	5925.000	53.14	68.23	-15.09	36.27	16.87	Peak
7	6019.000	55.36	68.22	-12.86	38.36	17.00	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

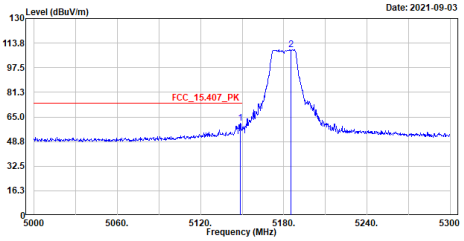
Site :966-1
Condition :3m ,Horizontal
Mode :TX_n20_5180MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5146.100	44.26	54.00	-9.74	29.19	15.07	Average
2	5183.600	99.62	------	------	84.35	15.27	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

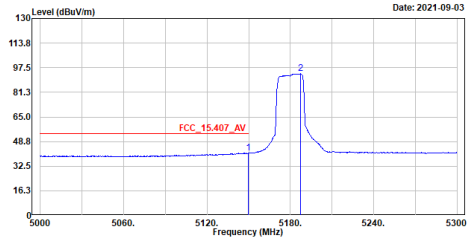
Site :966-1
Condition :3m ,Horizontal
Mode :TX_n20_5180MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5148.800	60.82	74.00	-13.18	45.73	15.09	Peak
2	5185.400	109.63	------	------	94.35	15.28	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

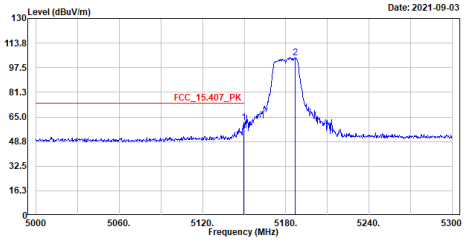
Site :966-1
Condition :3m ,Vertical
Mode :TX_n20_5180MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5149.700	41.22	54.00	-12.78	26.13	15.09	Average
2	5187.200	93.54	------	------	78.24	15.30	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

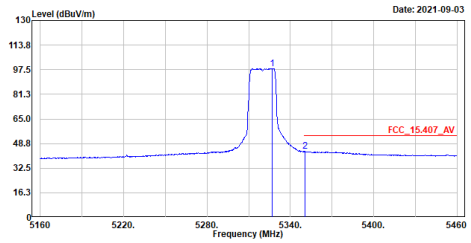
Site :966-1
Condition :3m ,Vertical
Mode :TX_n20_5180MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5149.700	61.42	74.00	-12.58	46.33	15.09	Peak
2	5186.900	104.12	------	------	88.82	15.30	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

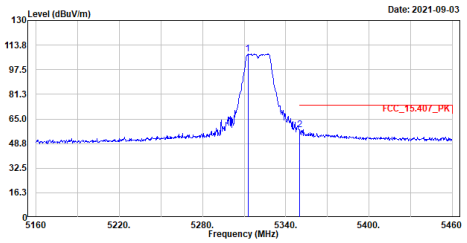
Site :966-1
Condition :3m ,Horizontal
Mode :TX_n20_5320MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5327.100	98.29	------	------	82.71	15.58	Average
2	5350.500	43.45	54.00	-10.55	27.79	15.66	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

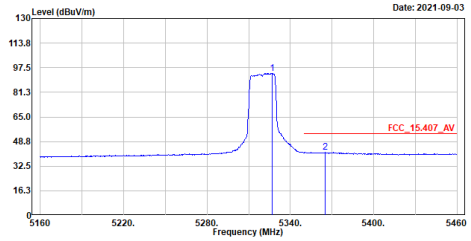
Site :966-1
Condition :3m ,Horizontal
Mode :TX_n20_5320MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5312.700	107.89	------	------	92.34	15.55	Peak
2	5350.200	58.01	74.00	-15.99	42.35	15.66	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

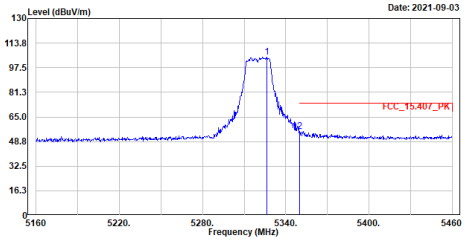
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n20_5320MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5326.800	93.70	------	------	78.12	15.58	Average
2	5365.200	41.82	54.00	-12.18	26.13	15.69	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

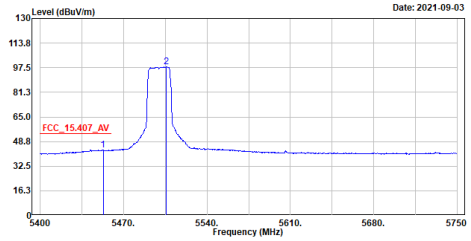
Site :966-1
Condition :3m ,VERTICAL
Mode :TX_n20_5320MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5326.500	104.59	------	------	89.01	15.58	Peak
2	5350.200	55.63	74.00	-18.37	39.97	15.66	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

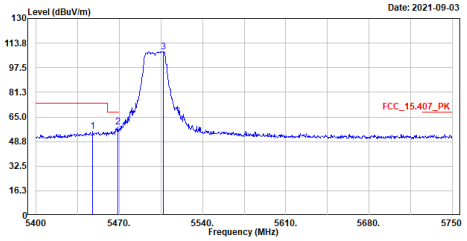
Site :966-1
Condition :3m ,Horizontal
Mode :TX_n20_5500MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5452.850	43.39	54.00	-10.61	27.45	15.94	Average
2	5506.050	98.03	------	------	81.91	16.12	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

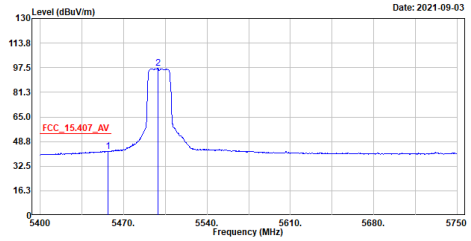
Site :966-1
Condition :3m ,Horizontal
Mode :TX_n20_5500MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5447.600	55.31	74.00	-18.69	39.39	15.92	Peak
2	5468.600	58.41	68.22	-9.81	42.41	16.00	Peak
3	5507.100	108.13	------	------	92.01	16.12	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

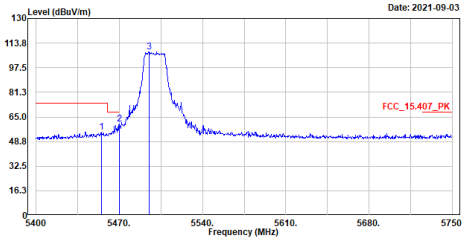
Site :966-1
Condition :3m ,Vertical
Mode :TX_n20_5500MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5456.700	42.42	54.00	-11.58	26.47	15.95	Average
2	5498.700	96.96	------	------	80.84	16.12	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

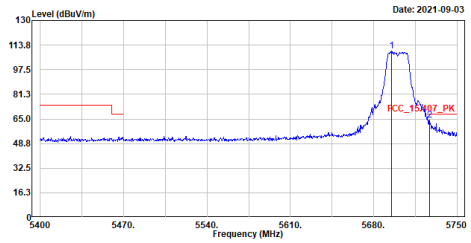
Site :966-1
Condition :3m ,Vertical
Mode :TX_n20_5500MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5454.950	54.99	74.00	-19.01	39.04	15.95	Peak
2	5470.000	60.11	68.22	-8.11	44.11	16.00	Peak
3	5494.850	108.14	------	------	92.03	16.11	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

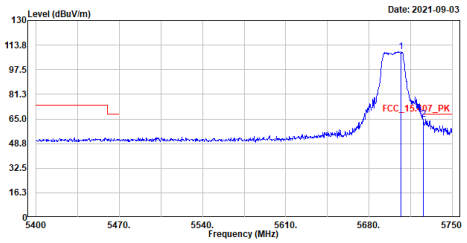
Site :966-1
Condition :3m ,Horizontal
Mode :TX_n20_5700MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5695.050	110.07	------	------	93.75	16.32	Peak
2	5726.900	64.27	68.22	-3.95	47.92	16.35	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

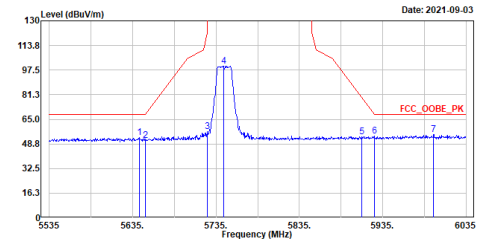
Site :966-1
Condition :3m ,Vertical
Mode :TX_n20_5700MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5706.950	109.27	------	------	92.92	16.35	Peak
2	5725.500	64.74	68.22	-3.48	48.39	16.35	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

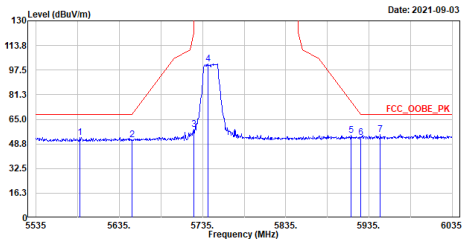
Site :966-1
Condition :3m ,Horizontal
Mode :TX_n20_5745MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5643.000	52.80	68.22	-15.42	36.70	16.10	Peak
2	5650.000	51.00	68.23	-17.23	34.89	16.11	Peak
3	5724.500	56.73	121.06	-64.33	40.38	16.35	Peak
4	5744.000	100.12	------	------	83.76	16.36	Peak
5	5909.500	53.71	79.69	-25.98	36.82	16.89	Peak
6	5925.000	54.11	68.23	-14.12	37.24	16.87	Peak
7	5996.000	54.87	68.22	-13.35	37.90	16.97	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

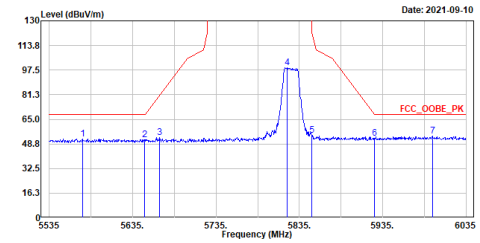
Site :966-1
Condition :3m ,Vertical
Mode :TX_n20_5745MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5588.000	53.03	68.22	-15.19	37.01	16.02	Peak
2	5650.000	51.39	68.23	-16.84	35.28	16.11	Peak
3	5724.500	58.23	121.06	-62.83	41.88	16.35	Peak
4	5741.500	101.52	------	------	85.16	16.36	Peak
5	5913.500	54.58	76.73	-22.15	37.70	16.88	Peak
6	5925.000	53.21	68.23	-15.02	36.34	16.87	Peak
7	5948.500	54.94	68.22	-13.28	38.09	16.85	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

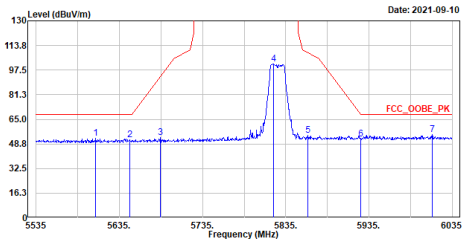
Site :966-1
Condition :3m ,Horizontal
Mode :TX_n20_5825MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5575.000	52.13	68.22	-16.09	36.09	16.04	Peak
2	5649.000	51.65	68.22	-16.57	35.54	16.11	Peak
3	5667.000	53.22	80.80	-27.58	37.03	16.19	Peak
4	5820.000	99.31	------	------	82.75	16.56	Peak
5	5850.000	54.53	122.20	-67.67	37.88	16.65	Peak
6	5925.000	52.39	68.23	-15.84	35.52	16.87	Peak
7	5994.500	53.75	68.22	-14.47	36.78	16.97	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

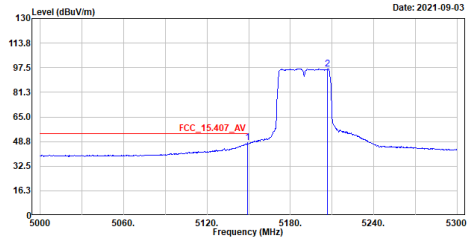
Site :966-1
Condition :3m ,Vertical
Mode :TX_n20_5825MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5606.500	52.61	68.22	-15.61	36.60	16.01	Peak
2	5647.500	51.28	68.22	-16.94	35.17	16.11	Peak
3	5684.500	52.94	93.74	-40.80	36.68	16.26	Peak
4	5820.500	101.34	------	------	84.78	16.56	Peak
5	5861.500	54.68	108.98	-54.30	37.97	16.71	Peak
6	5925.000	51.80	68.23	-16.43	34.93	16.87	Peak
7	6011.000	54.97	68.22	-13.25	37.98	16.99	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

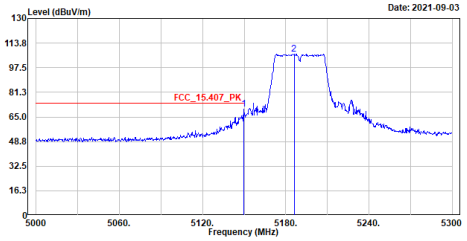
Site :966-1
Condition :3m ,Horizontal
Mode :TX_n40_5190MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5149.400	47.94	54.00	-6.06	32.85	15.09	Average
2	5206.700	96.67	------	------	81.29	15.38	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

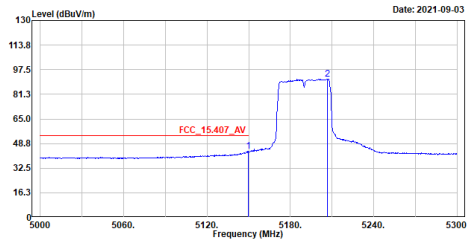
Site :966-1
Condition :3m ,Horizontal
Mode :TX_n40_5190MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5149.700	70.23	74.00	-3.77	55.14	15.09	Peak
2	5186.000	106.61	------	------	91.33	15.28	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

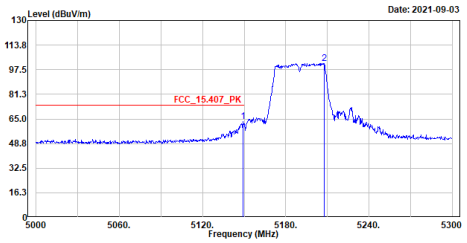
Site :966-1
Condition :3m ,Vertical
Mode :TX_n40_5190MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5149.700	43.60	54.00	-10.40	28.51	15.09	Average
2	5206.700	91.32	------	------	75.94	15.38	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

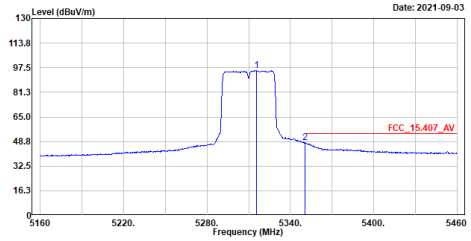
Site :966-1
Condition :3m ,Vertical
Mode :TX_n40_5190MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5149.400	63.24	74.00	-10.76	48.15	15.09	Peak
2	5207.600	101.68	------	------	86.30	15.38	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

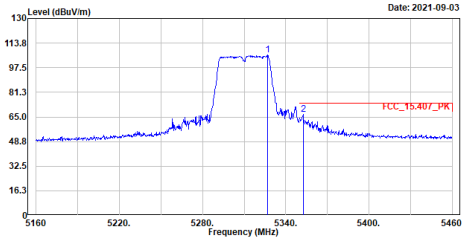
Site :966-1
Condition :3m ,Horizontal
Mode :TX_n40_5310MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5315.400	95.65	------	------	80.10	15.55	Average
2	5350.800	48.04	54.00	-5.96	32.38	15.66	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

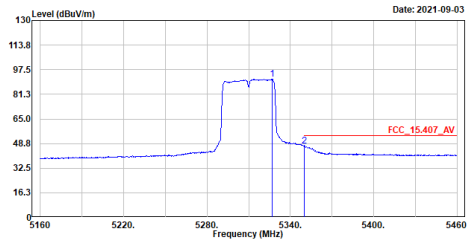
Site :966-1
Condition :3m ,Horizontal
Mode :TX_n40_5310MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5327.100	105.91	------	------	90.33	15.58	Peak
2	5352.600	66.81	74.00	-7.19	51.15	15.66	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

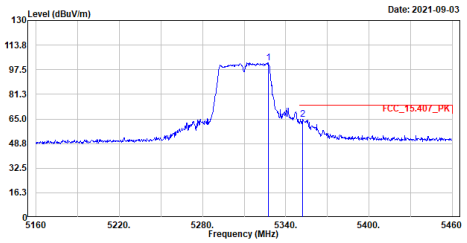
Site :966-1
Condition :3m ,Vertical
Mode :TX_n40_5310MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5327.100	91.35	------	------	75.77	15.58	Average
2	5350.200	46.93	54.00	-7.07	31.27	15.66	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

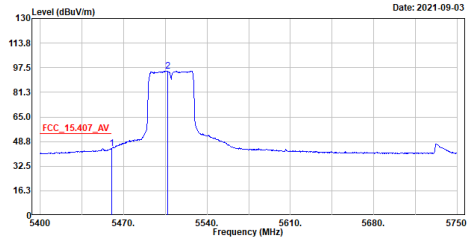
Site :966-1
Condition :3m ,Vertical
Mode :TX_n40_5310MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5327.400	102.09	------	------	86.51	15.58	Peak
2	5352.300	64.59	74.00	-9.41	48.93	15.66	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

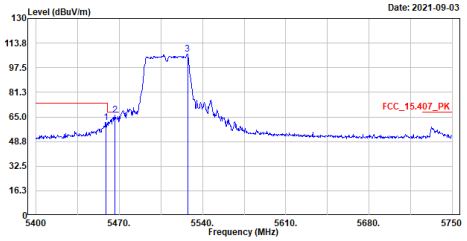
Site :966-1
Condition :3m ,Horizontal
Mode :TX_n40_5510MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5459.850	44.08	54.00	-9.92	28.12	15.96	Average
2	5506.750	95.40	------	------	79.28	16.12	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

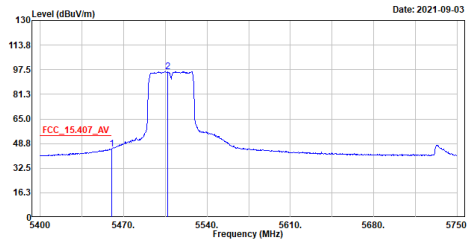
Site :966-1
Condition :3m ,Horizontal
Mode :TX_n40_5510MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5458.800	61.28	74.00	-12.72	45.32	15.96	Peak
2	5466.500	66.12	68.22	-2.10	50.13	15.99	Peak
3	5527.400	106.32	------	------	90.22	16.10	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

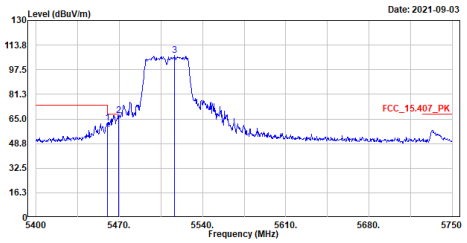
Site :966-1
Condition :3m ,Vertical
Mode :TX_n40_5510MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5459.850	45.36	54.00	-8.64	29.40	15.96	Average
2	5507.100	96.30	------	------	80.18	16.12	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

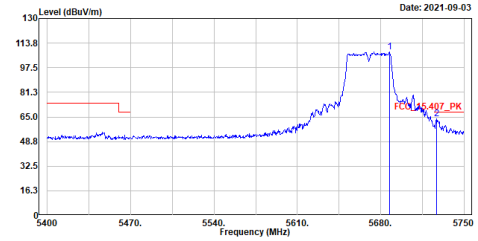
Site :966-1
Condition :3m ,Vertical
Mode :TX_n40_5510MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5459.850	62.22	74.00	-11.78	46.26	15.96	Peak
2	5469.650	67.42	68.22	-0.80	51.42	16.00	Peak
3	5516.550	106.77	------	------	90.66	16.11	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

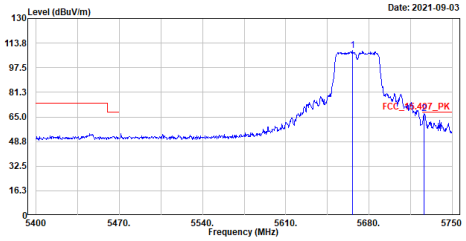
Site :966-1
Condition :3m ,Horizontal
Mode :TX_n40_5670MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5687.350	107.74	------	------	91.46	16.28	Peak
2	5726.900	63.67	68.22	-4.55	47.32	16.35	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

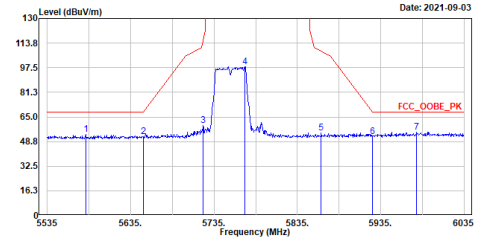
Site :966-1
Condition :3m ,Vertical
Mode :TX_n40_5670MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5666.000	108.76	------	------	92.58	16.18	Peak
2	5726.550	67.08	68.22	-1.14	50.73	16.35	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

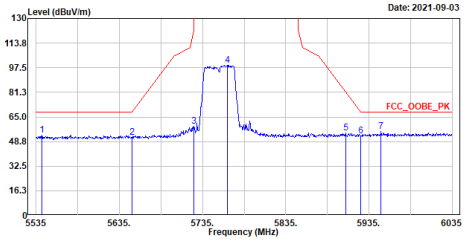
Site :966-1
Condition :3m ,Horizontal
Mode :TX_n40_5755MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5581.000	53.37	68.22	-14.85	37.34	16.03	Peak
2	5650.000	51.96	68.23	-16.27	35.85	16.11	Peak
3	5722.000	59.20	115.36	-56.16	42.85	16.35	Peak
4	5772.000	98.06	------	------	81.64	16.42	Peak
5	5863.500	54.57	108.42	-53.85	37.86	16.71	Peak
6	5925.000	52.11	68.23	-16.12	35.24	16.87	Peak
7	5978.000	54.92	68.22	-13.30	37.99	16.93	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

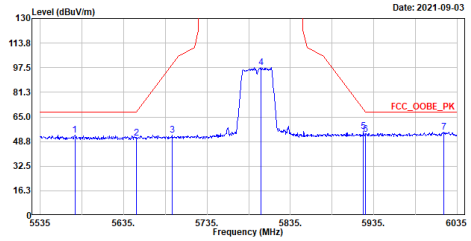
Site :966-1
Condition :3m ,Vertical
Mode :TX_n40_5755MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5542.000	52.78	68.22	-15.44	36.70	16.08	Peak
2	5650.000	51.44	68.23	-16.79	35.33	16.11	Peak
3	5724.500	58.89	121.06	-62.17	42.54	16.35	Peak
4	5765.000	99.24	------	------	82.84	16.40	Peak
5	5907.000	54.47	81.54	-27.07	37.57	16.90	Peak
6	5925.000	52.62	68.23	-15.61	35.75	16.87	Peak
7	5949.500	55.26	68.22	-12.96	38.41	16.85	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

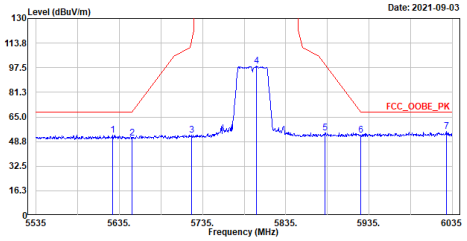
Site :966-1
Condition :3m ,Horizontal
Mode :TX_n40_5795MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5576.500	53.00	68.22	-15.22	36.96	16.04	Peak
2	5650.000	50.94	68.23	-17.29	34.83	16.11	Peak
3	5693.000	52.99	100.02	-47.03	36.68	16.31	Peak
4	5799.500	97.78	------	------	81.28	16.50	Peak
5	5922.500	55.43	70.08	-14.65	38.55	16.88	Peak
6	5925.000	53.46	68.23	-14.77	36.59	16.87	Peak
7	6019.000	54.92	68.22	-13.30	37.92	17.00	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

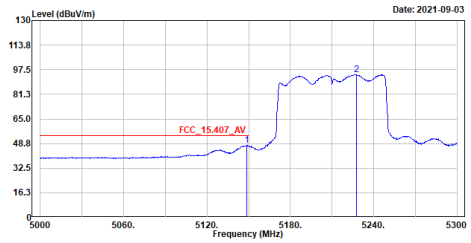
Site :966-1
Condition :3m ,Vertical
Mode :TX_n40_5795MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5627.000	53.07	68.22	-15.15	37.01	16.06	Peak
2	5650.000	50.80	68.23	-17.43	34.69	16.11	Peak
3	5722.000	53.17	115.36	-62.19	36.82	16.35	Peak
4	5800.000	98.38	------	------	81.88	16.50	Peak
5	5882.500	54.47	99.65	-45.18	37.66	16.81	Peak
6	5925.000	53.08	68.23	-15.15	36.21	16.87	Peak
7	6028.000	55.30	68.22	-12.92	38.30	17.00	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

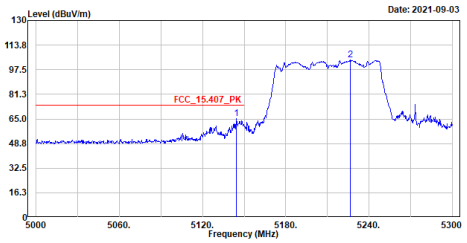
Site :966-1
Condition :3m ,Horizontal
Mode :TX_ac80_5210MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5148.500	47.59	54.00	-6.41	32.50	15.09	Average
2	5227.700	94.17	------	------	78.76	15.41	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

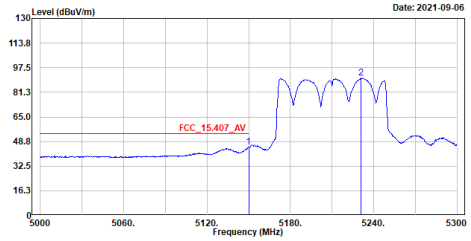
Site :966-1
Condition :3m ,Horizontal
Mode :TX_ac80_5210MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5144.600	65.14	74.00	-8.86	50.07	15.07	Peak
2	5226.500	103.85	------	------	88.44	15.41	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

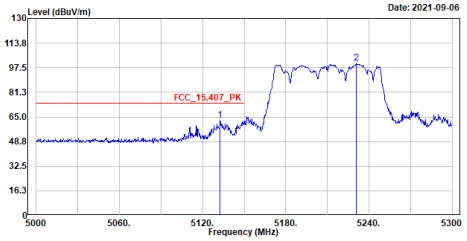
Site :966-1
Condition :3m ,Vertical
Mode :TX_ac80_5210MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5150.000	45.05	54.00	-8.95	29.96	15.09	Average
2	5231.000	90.58	------	------	75.16	15.42	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

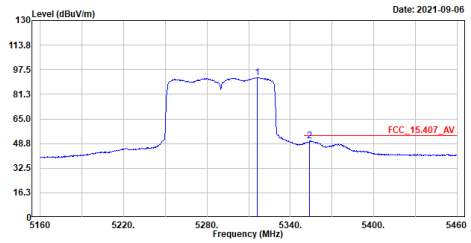
Site :966-1
Condition :3m ,Vertical
Mode :TX_ac80_5210MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5132.600	63.02	74.00	-10.98	47.99	15.03	Peak
2	5230.700	100.44	------	------	85.02	15.42	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

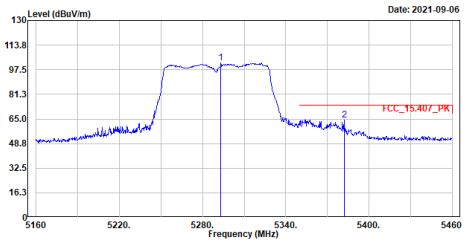
Site :966-1
Condition :3m ,Horizontal
Mode :TX_ac80_5290MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5316.000	92.41	------	------	76.86	15.55	Average
2	5353.800	50.57	54.00	-3.43	34.90	15.67	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

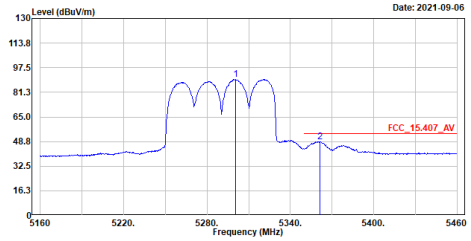
Site :966-1
Condition :3m ,Horizontal
Mode :TX_ac80_5290MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5293.200	102.20	------	------	86.70	15.50	Peak
2	5382.000	64.21	74.00	-9.79	48.50	15.71	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

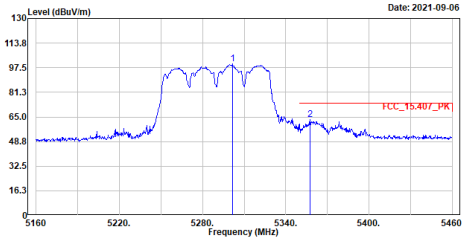
Site :966-1
Condition :3m ,Vertical
Mode :TX_ac80_5290MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5300.400	89.72	------	------	74.21	15.51	Average
2	5361.300	48.80	54.00	-5.20	33.12	15.68	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

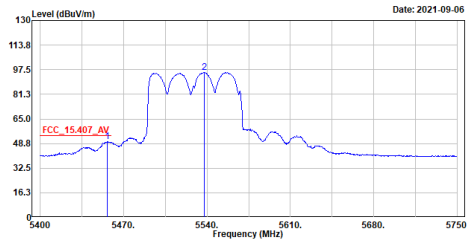
Site :966-1
Condition :3m ,Vertical
Mode :TX_ac80_5290MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5301.600	100.01	------	------	84.50	15.51	Peak
2	5357.700	63.46	74.00	-10.54	47.79	15.67	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

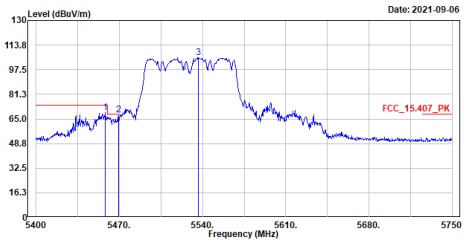
Site :966-1
Condition :3m ,Vertical
Mode :TX_ac80_5530MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5456.350	50.06	54.00	-3.94	34.11	15.95	Average
2	5537.900	95.83	------	------	79.76	16.07	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

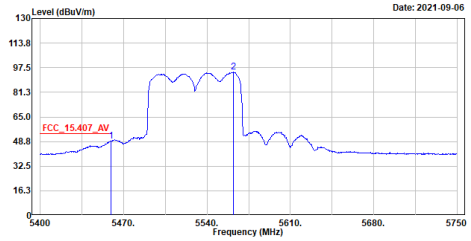
Site :966-1
Condition :3m ,Vertical
Mode :TX_ac80_5530MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5458.450	69.37	74.00	-4.63	53.41	15.96	Peak
2	5469.300	67.90	68.22	-0.32	51.90	16.00	Peak
3	5536.500	105.68	------	------	89.60	16.08	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

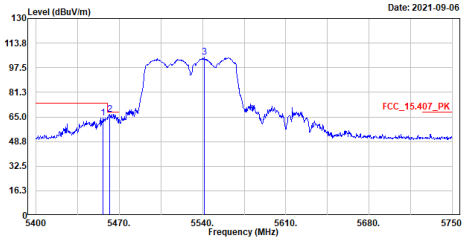
Site :966-1
Condition :3m ,Horizontal
Mode :TX_ac80_5530MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5459.150	49.21	54.00	-4.79	33.25	15.96	Average
2	5562.050	94.49	------	------	78.44	16.05	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

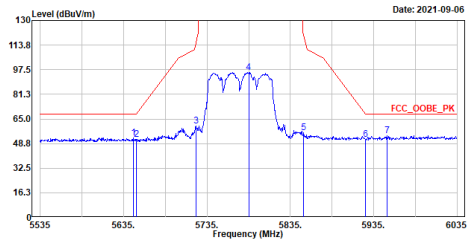
Site :966-1
Condition :3m ,Horizontal
Mode :TX_ac80_5530MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5456.350	64.41	74.00	-9.59	48.46	15.95	Peak
2	5461.950	66.80	68.22	-1.42	50.84	15.96	Peak
3	5541.400	104.34	------	------	88.26	16.08	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

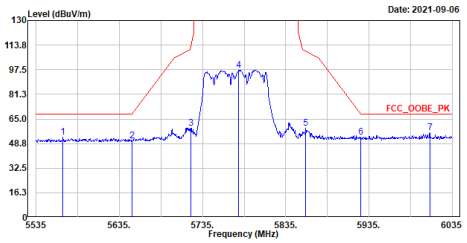
Site :966-1
Condition :3m ,Horizontal
Mode :TX_ac80_5775MHz
TEST BY :Gavin Wu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5646.500	52.63	68.22	-15.59	36.53	16.10	Peak
2	5650.000	51.45	68.23	-16.78	35.34	16.11	Peak
3	5721.500	60.12	114.22	-54.10	43.77	16.35	Peak
4	5785.000	95.64	------	------	79.18	16.46	Peak
5	5851.000	55.88	119.92	-64.04	39.23	16.65	Peak
6	5925.000	51.71	68.23	-16.52	34.84	16.87	Peak
7	5951.000	54.00	68.22	-14.22	37.15	16.85	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

Site :966-1
Condition :3m ,Vertical
Mode :TX_ac80_5775MHz
TEST BY :Gavin Wu

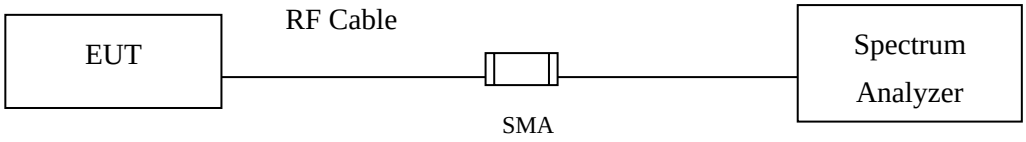


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5567.500	52.82	68.22	-15.40	36.77	16.05	Peak
2	5650.000	50.48	68.23	-17.75	34.37	16.11	Peak
3	5721.000	59.08	113.08	-54.00	42.73	16.35	Peak
4	5778.500	97.30	------	------	80.86	16.44	Peak
5	5859.000	58.67	109.68	-51.01	41.98	16.69	Peak
6	5925.000	52.84	68.23	-15.39	35.97	16.87	Peak
7	6008.000	55.75	68.22	-12.47	38.76	16.99	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna- Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line

7. Occupied Bandwidth

7.1. Test Setup



7.2. Limits

For the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz

7.3. .Test Procedure

The EUT was setup to ANSI C63.10, 2013; tested to UNII test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

7.4. Test Result of Occupied Bandwidth

Product : Speech Generating Device
Test Item : Occupied Bandwidth Data
Test Mode : Mode 1: Transmit (802.11a 6Mbps)
Test Date : 2021/08/19

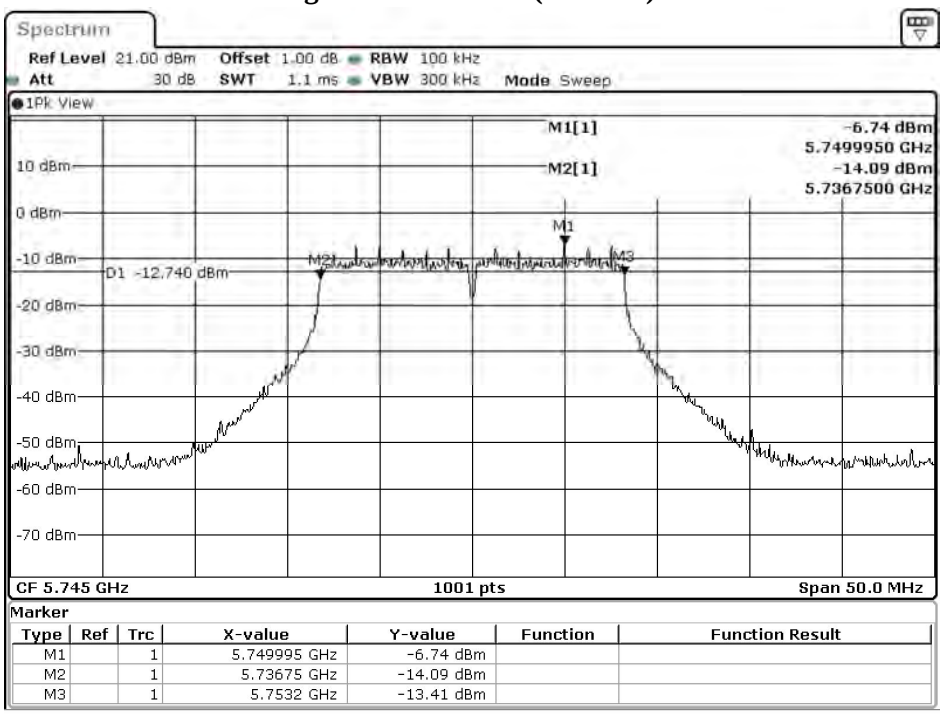
Chain A

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	16450	>500	Pass
157	5785	16450	>500	Pass
165	5825	16450	>500	Pass

Chain B

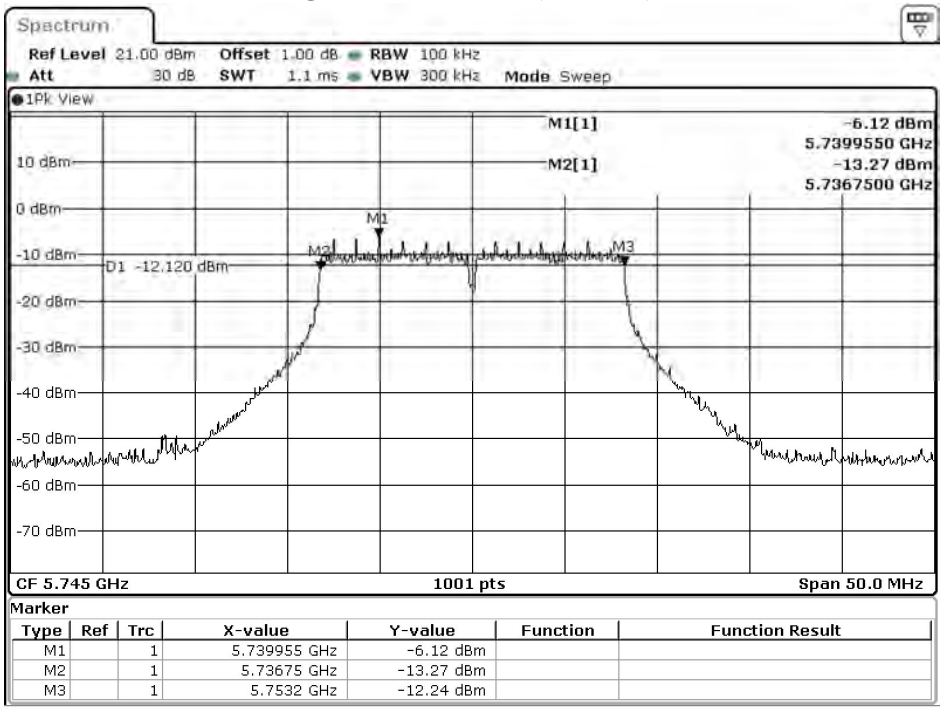
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	16450	>500	Pass
157	5785	16500	>500	Pass
165	5825	16500	>500	Pass

Figure Channel 149 (Chain A):



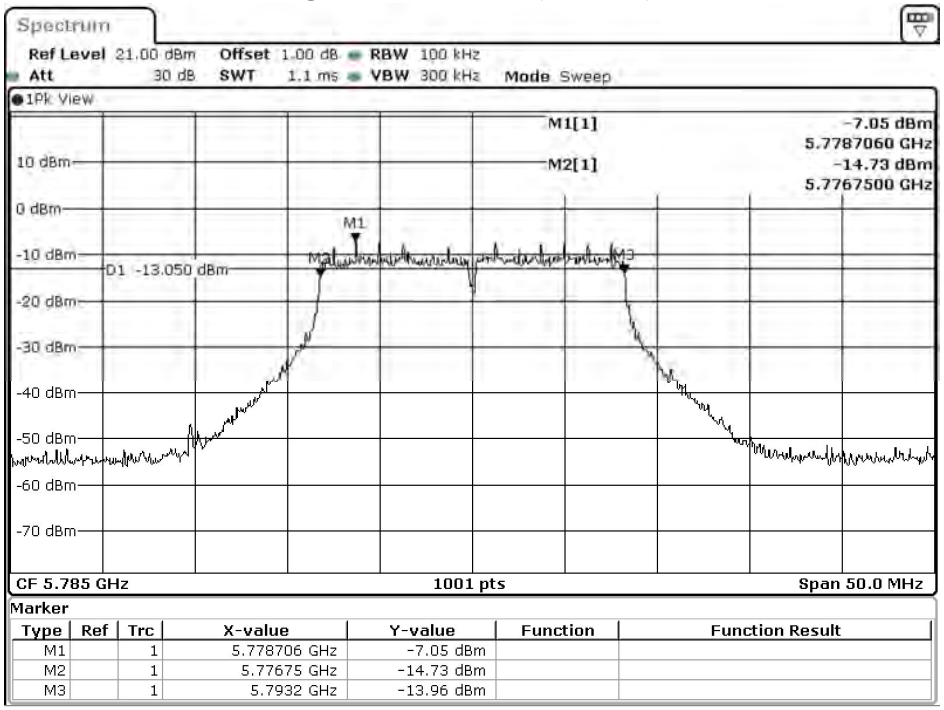
Date: 17.AUG.2021 05:01:55

Figure Channel 149 (Chain B):



Date: 17.AUG.2021 09:42:11

Figure Channel 157 (Chain A):

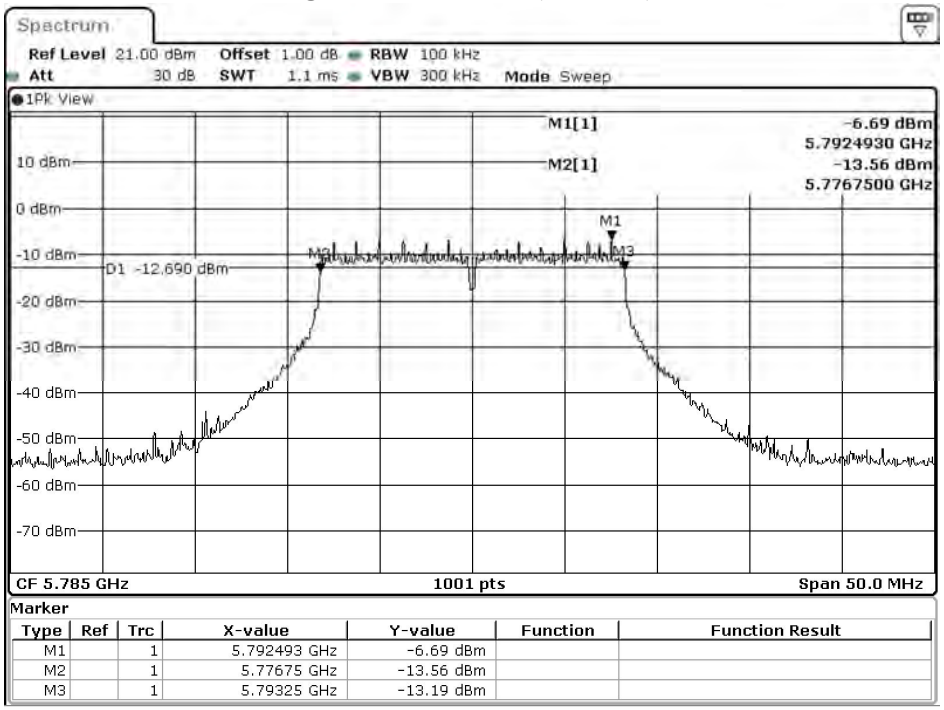


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.778706 GHz	-7.05 dBm		
M2		1	5.77675 GHz	-14.73 dBm		
M3		1	5.7932 GHz	-13.96 dBm		

Date: 17.AUG.2021 05:04:40

Figure Channel 157 (Chain B):

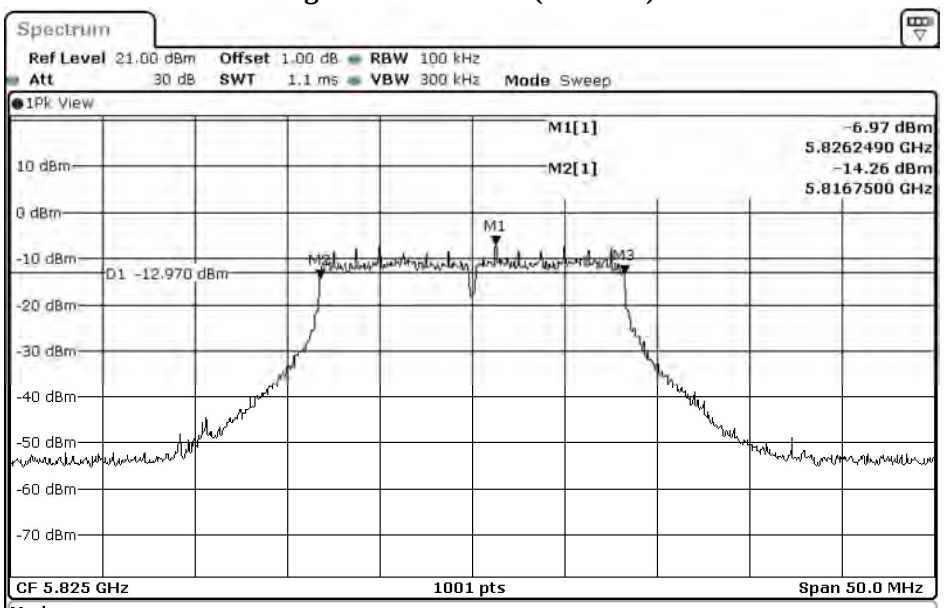


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.792493 GHz	-6.69 dBm		
M2		1	5.77675 GHz	-13.56 dBm		
M3		1	5.79325 GHz	-13.19 dBm		

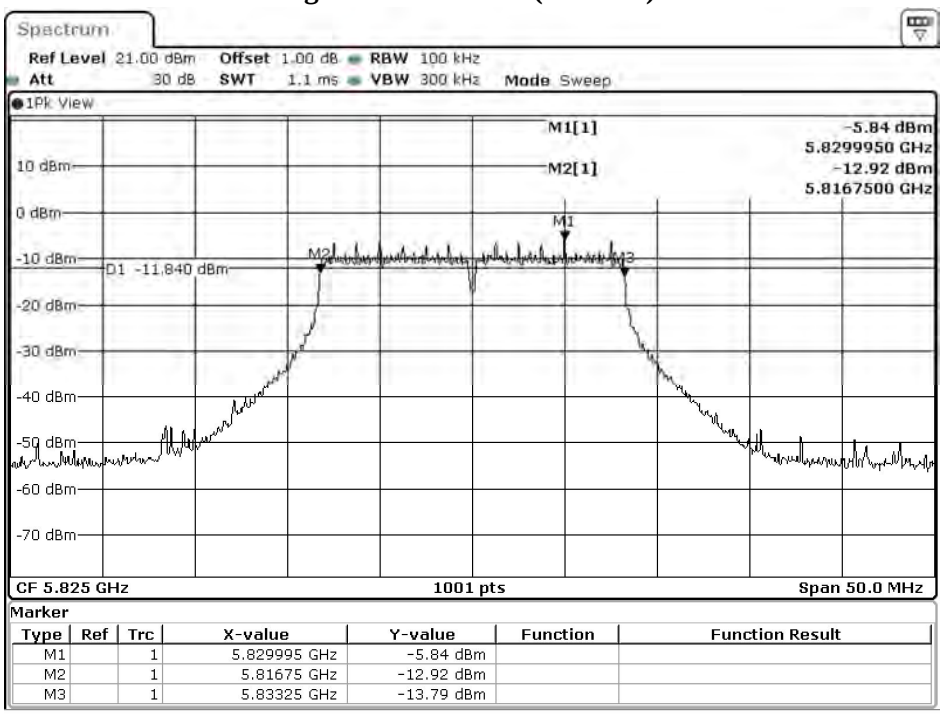
Date: 17.AUG.2021 09:44:57

Figure Channel 165 (Chain A):



Date: 17.AUG.2021 05:07:04

Figure Channel 165 (Chain B):



Date: 17.AUG.2021 09:47:21

Product : Speech Generating Device
Test Item : Occupied Bandwidth Data
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps)
Test Date : 2021/08/19

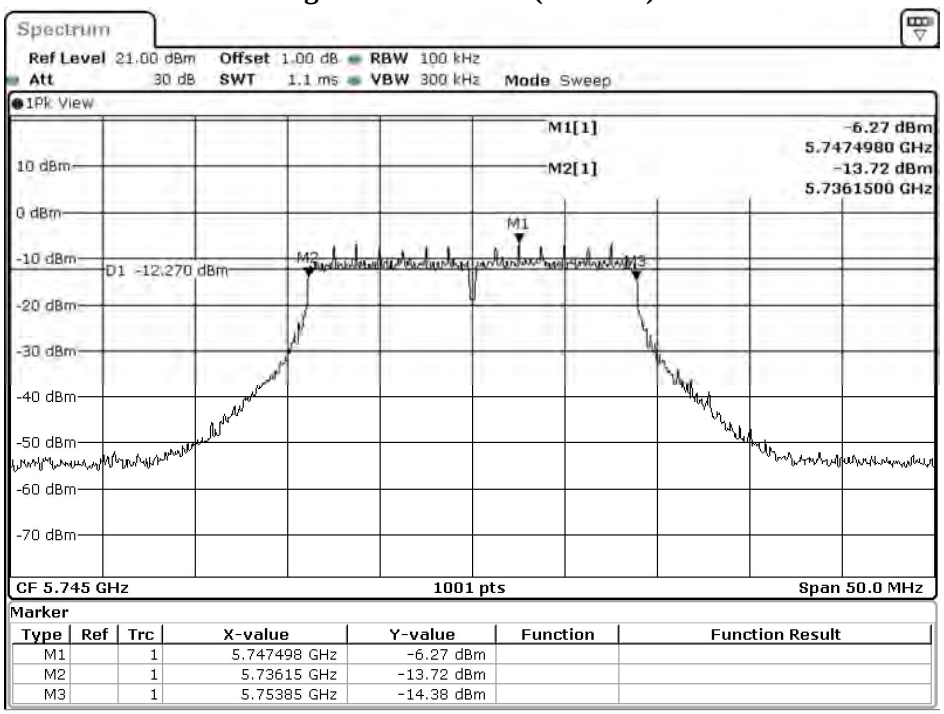
Chain A

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	17700	>500	Pass
157	5785	17700	>500	Pass
165	5825	17700	>500	Pass

Chain B

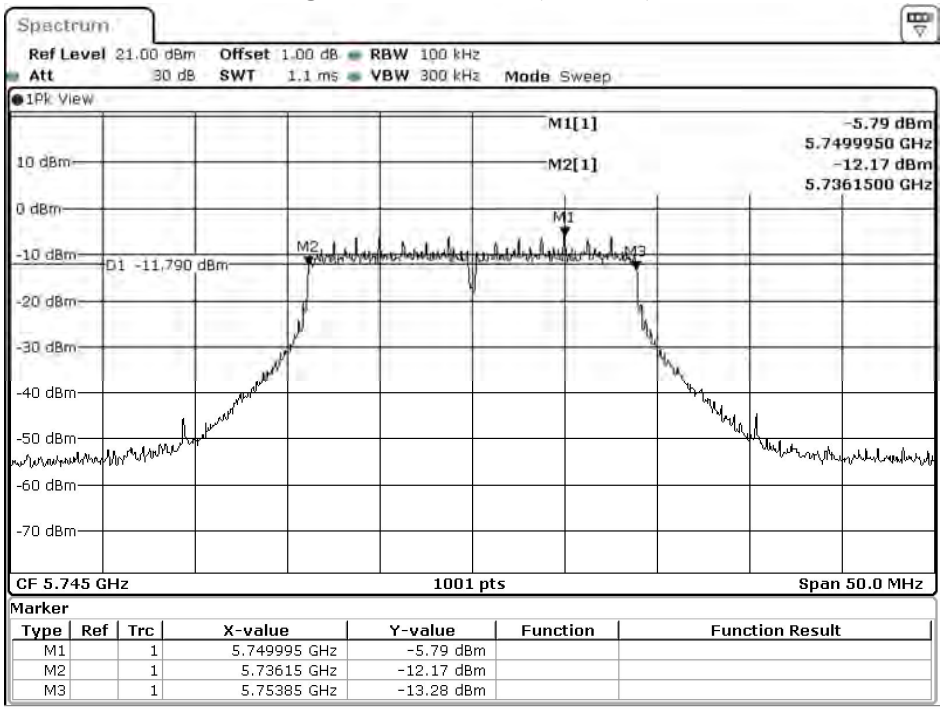
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	17700	>500	Pass
157	5785	17700	>500	Pass
165	5825	17700	>500	Pass

Figure Channel 149 (Chain A):



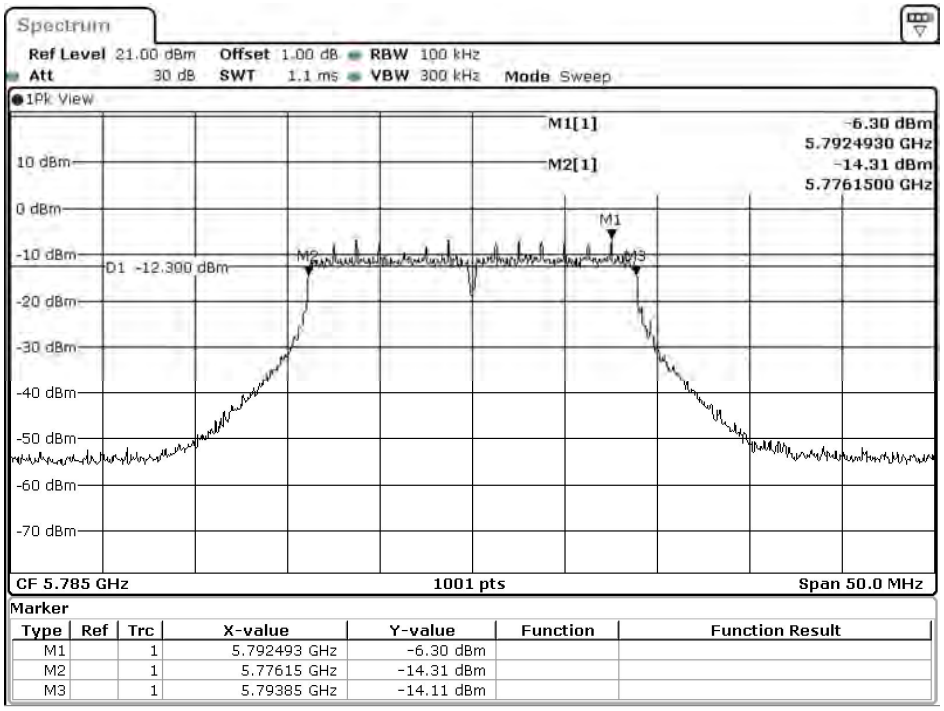
Date: 17.AUG.2021 05:40:14

Figure Channel 149 (Chain B):



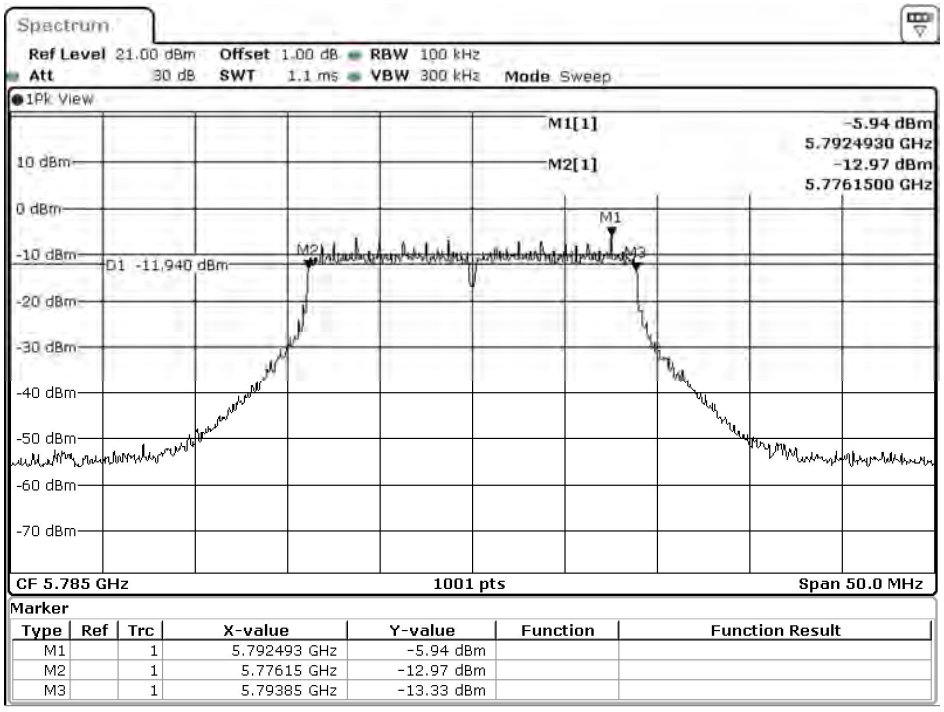
Date: 17.AUG.2021 10:20:30

Figure Channel 157 (Chain A):



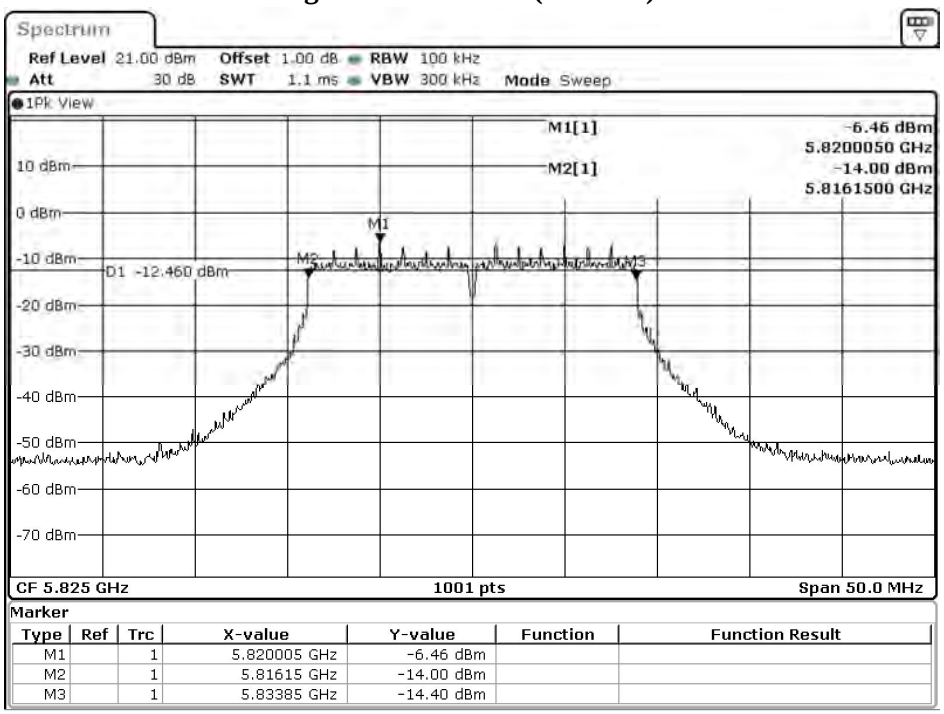
Date: 17.AUG.2021 05:47:43

Figure Channel 157 (Chain B):



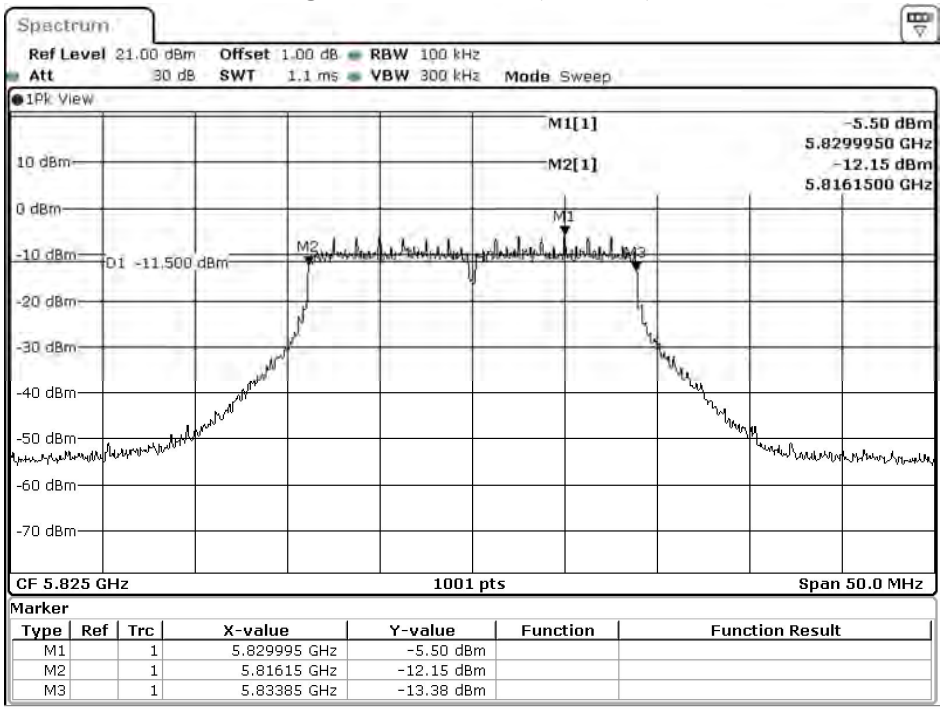
Date: 17.AUG.2021 10:28:00

Figure Channel 165 (Chain A):



Date: 17.AUG.2021 05:52:41

Figure Channel 165 (Chain B):



Date: 17.AUG.2021 10:32:57

Product : Speech Generating Device
Test Item : Occupied Bandwidth Data
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)
Test Date : 2021/08/19

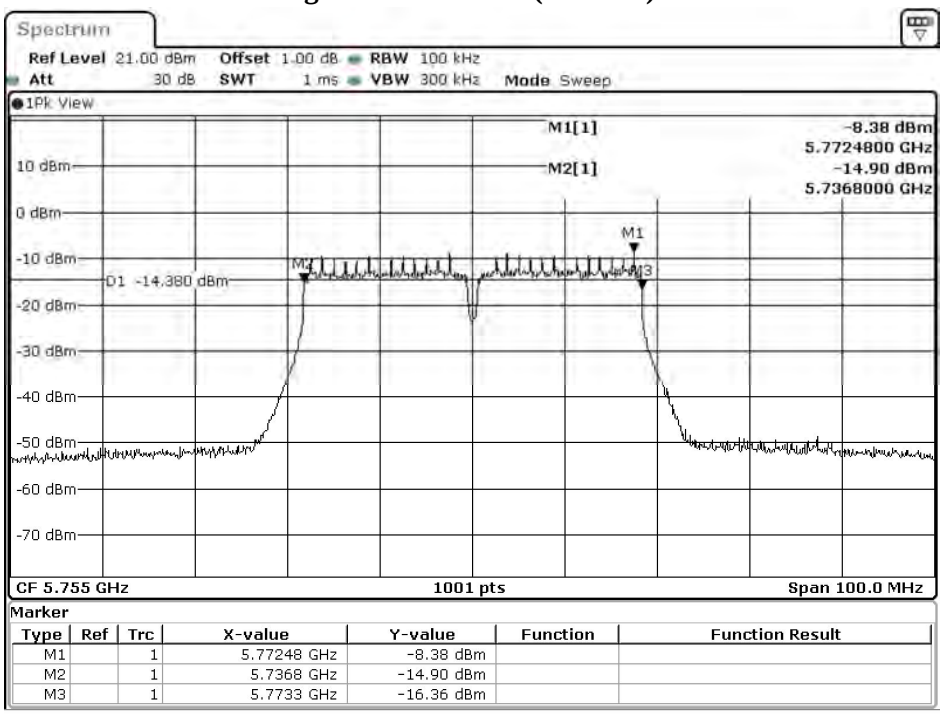
Chain A

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755	36500	>500	Pass
159	5795	36600	>500	Pass

Chain B

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755	36600	>500	Pass
159	5795	36600	>500	Pass

Figure Channel 151 (Chain A):

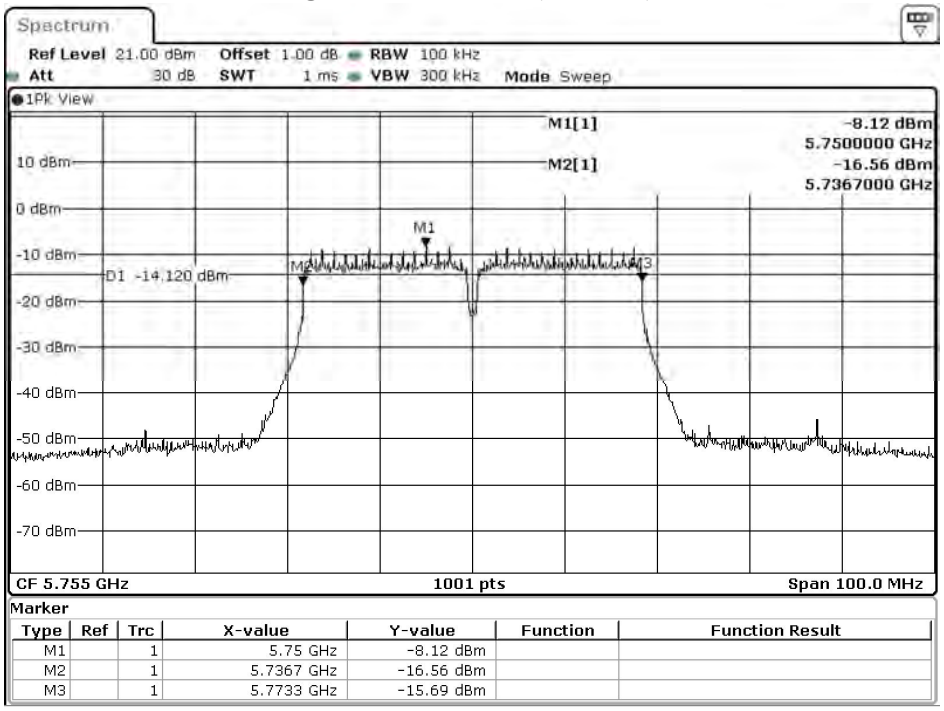


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.77248 GHz	-8.38 dBm		
M2		1	5.7368 GHz	-14.90 dBm		
M3		1	5.7733 GHz	-16.36 dBm		

Date: 17.AUG.2021 05:55:29

Figure Channel 151 (Chain B):

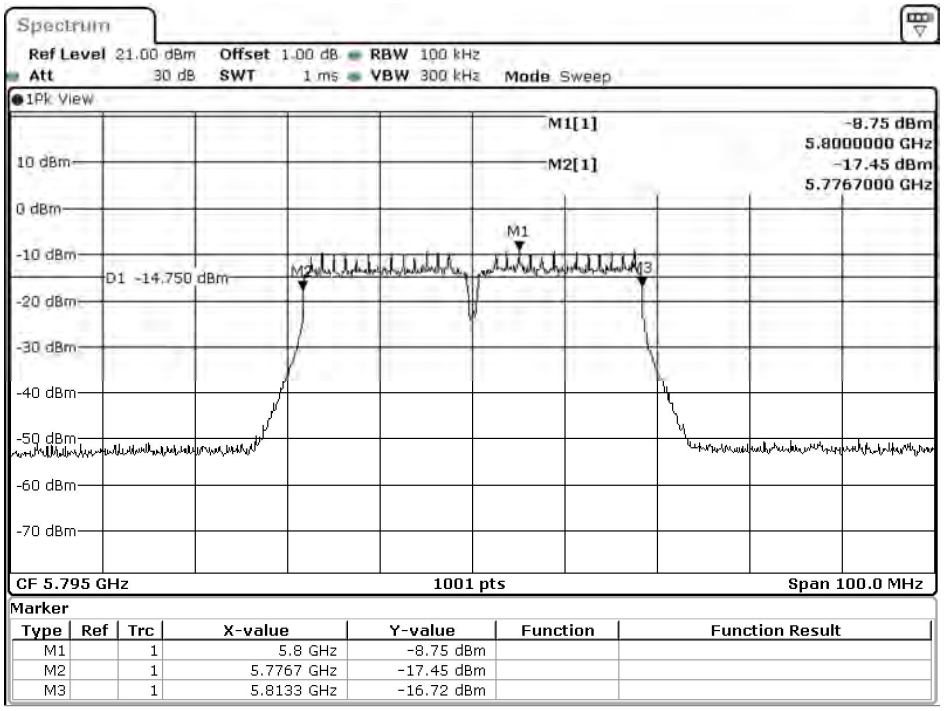


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.75 GHz	-8.12 dBm		
M2		1	5.7367 GHz	-16.56 dBm		
M3		1	5.7733 GHz	-15.69 dBm		

Date: 17.AUG.2021 10:35:45

Figure Channel 159 (Chain A):

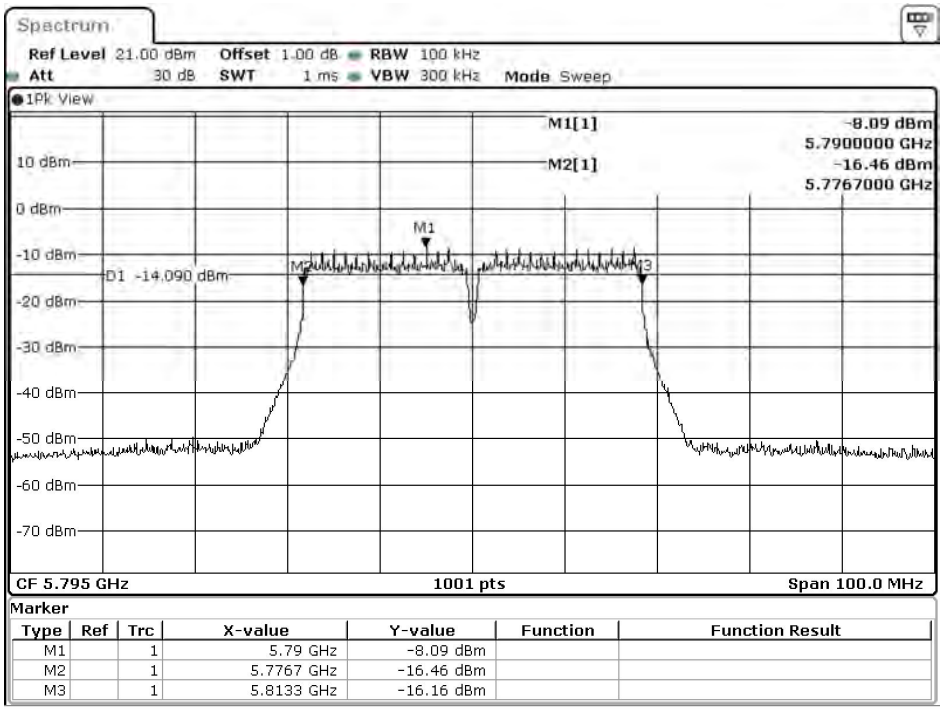


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.8 GHz	-8.75 dBm		
M2		1	5.7767 GHz	-17.45 dBm		
M3		1	5.8133 GHz	-16.72 dBm		

Date: 17.AUG.2021 05:58:20

Figure Channel 159 (Chain B):



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.79 GHz	-8.09 dBm		
M2		1	5.7767 GHz	-16.46 dBm		
M3		1	5.8133 GHz	-16.16 dBm		

Date: 17.AUG.2021 10:38:36

Product : Speech Generating Device
Test Item : Occupied Bandwidth Data
Test Mode : Mode 6: Transmit (802.11ac-80BW 32.5Mbps)
Test Date : 2021/08/19

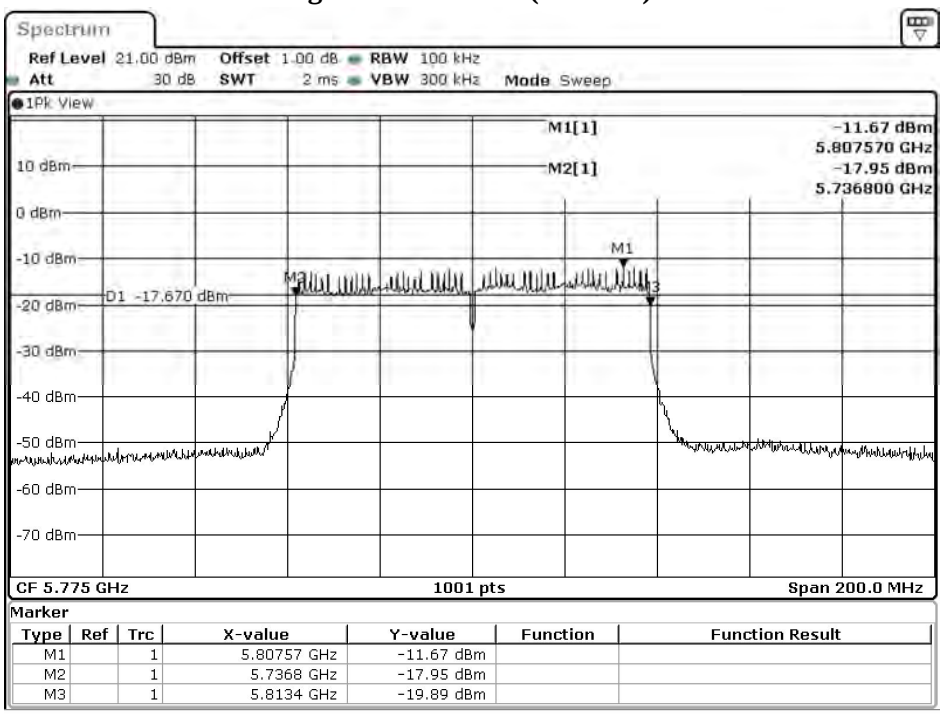
ChainA

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
155	5775	76600	>500	Pass

ChainB

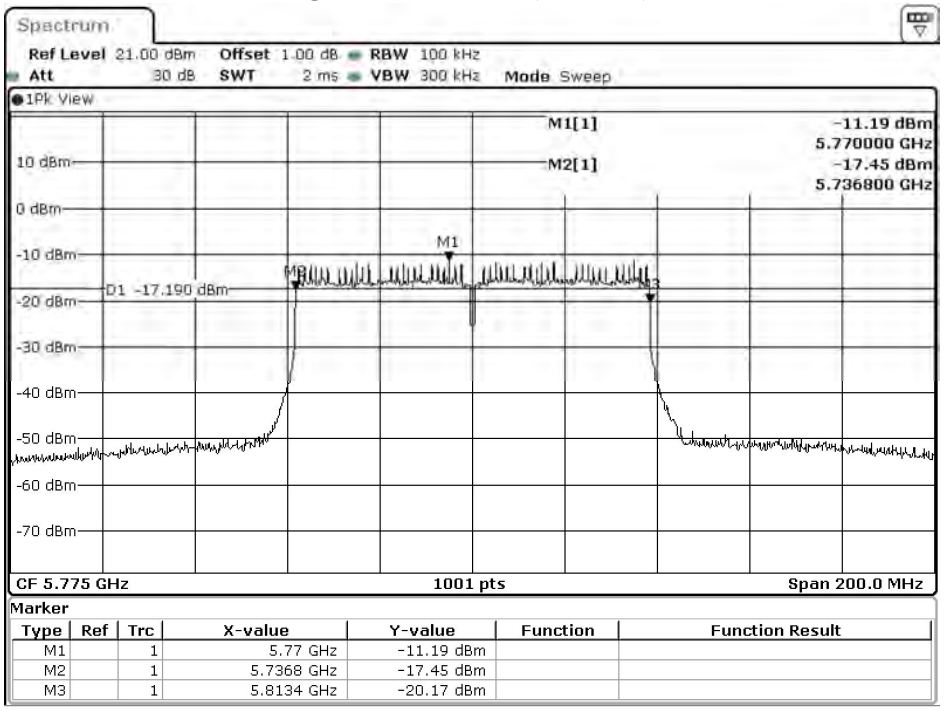
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
155	5775	76600	>500	Pass

Figure Channel 155(Chain A):



Date: 17.AUG.2021 05:37:24

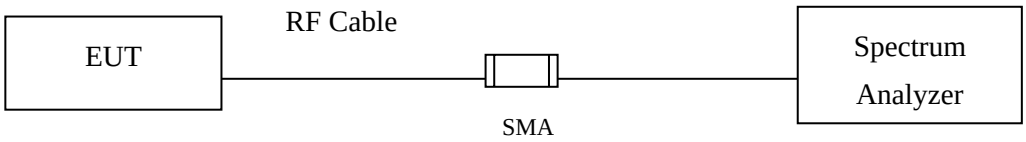
Figure Channel 155(Chain B):



Date: 17.AUG.2021 10:17:41

8. Duty Cycle

8.1. Test Setup



8.2. Test Procedure

The EUT was setup according to ANSI C63.10 2013; tested according to U-NII test procedure of KDB789033 for compliance to FCC 47CFR 15.407 requirements.

8.3. Test Result of Duty Cycle

Product : Speech Generating Device
Test Item : Duty Cycle
Test Mode : Transmit

Duty Cycle Formula:

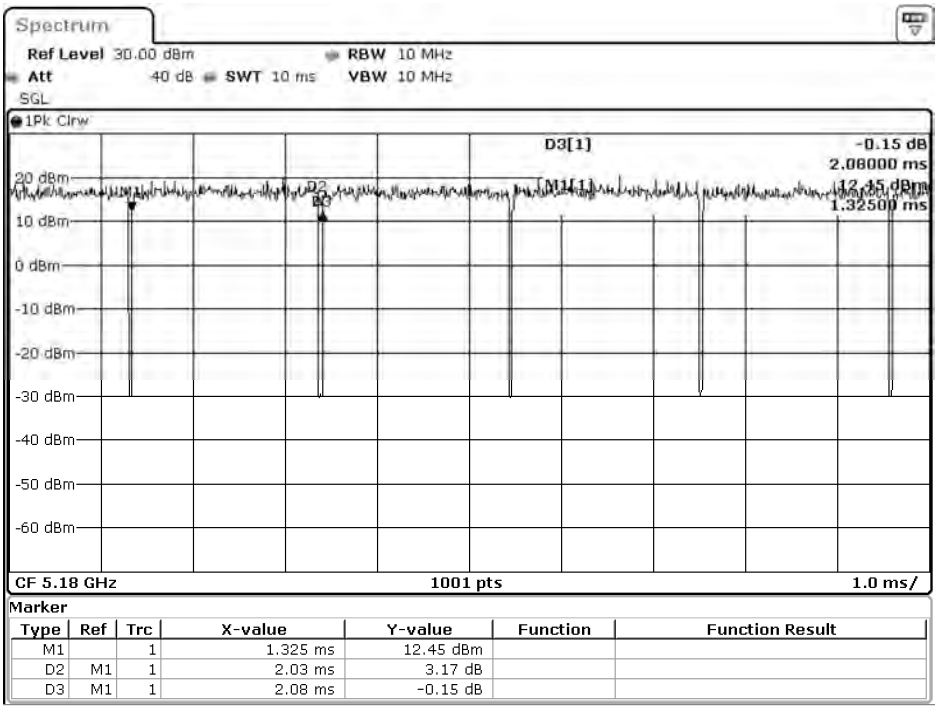
Duty Cycle = Ton / (Ton + Toff)

Duty Factor = 10 Log (1/Duty Cycle)

Results:

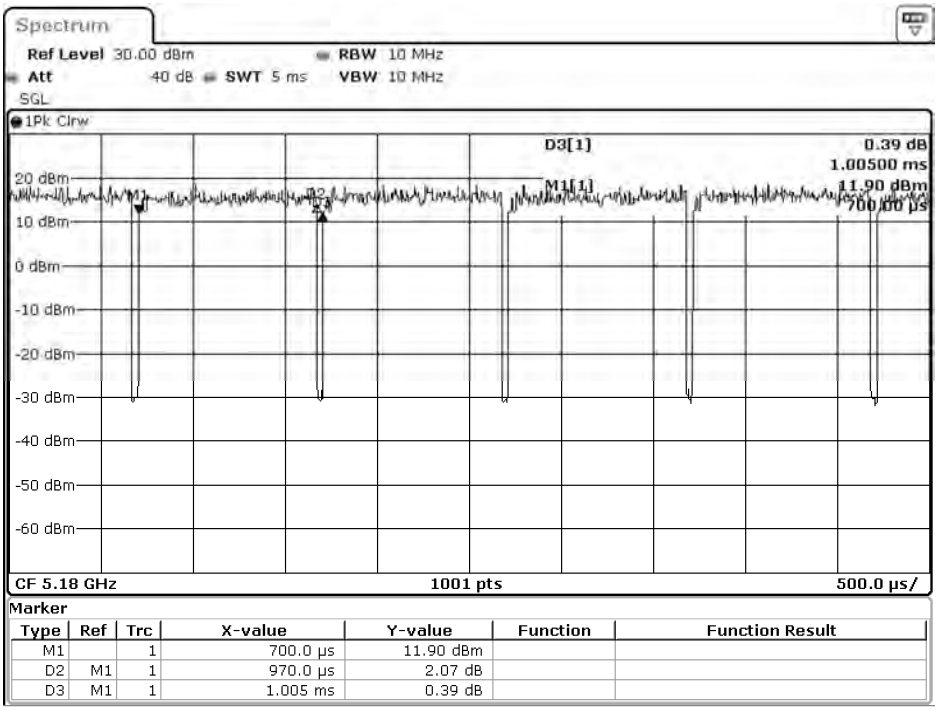
5GHz band	Ton (ms)	Ton + Toff (ms)	Duty Cycle (%)	Duty Factor (dB)
802.11a	2.0300	2.0800	97.60	0.11
802.11n20	0.9700	1.0050	96.52	0.15
802.11n40	0.4900	0.5250	93.33	0.30
802.11ac80	0.4550	0.4950	91.92	0.37

802.11a



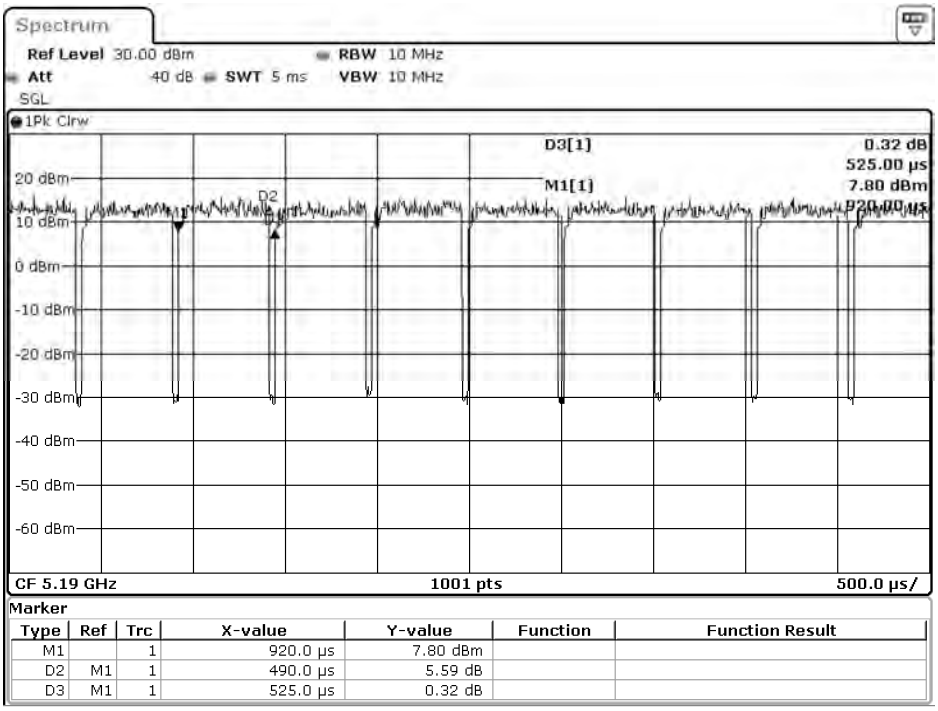
Date: 18.AUG.2021 07:31:32

802.11n20



Date: 18.AUG.2021 07:33:26

802.11n40

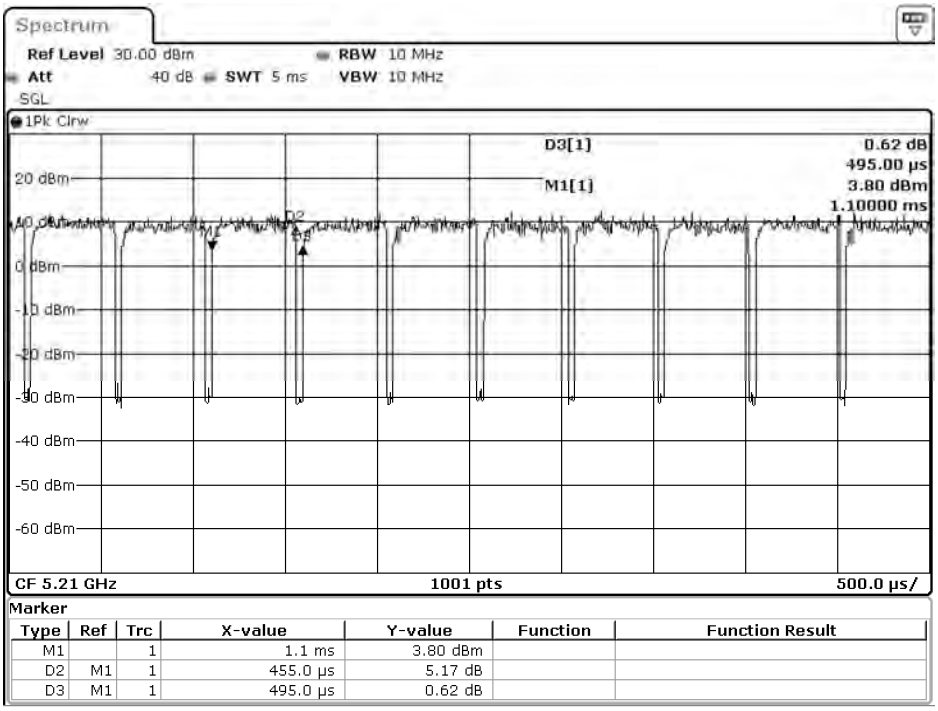


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	920.0 µs	7.80 dBm		
D2	M1	1	490.0 µs	5.59 dB		
D3	M1	1	525.0 µs	0.32 dB		

Date: 18.AUG.2021 07:40:49

802.11ac80



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.1 ms	3.80 dBm		
D2	M1	1	455.0 µs	5.17 dB		
D3	M1	1	495.0 µs	0.62 dB		

Date: 18.AUG.2021 07:43:07

9. EMI Reduction Method During Compliance Testing

No modification was made during testing.