4. MAXIMUM CONDUCTED OUTPUT POWER

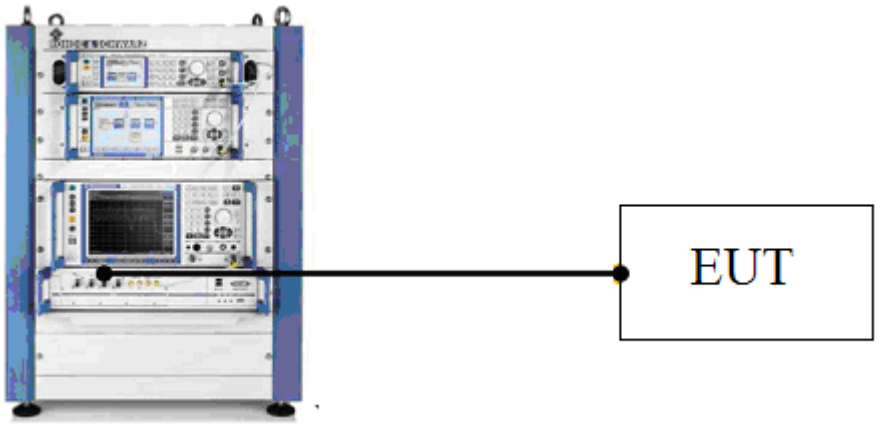
4.1. Limit

Band	EUT Type	Limit
U-NII-1	Outdoor Access Point	1W(30dBm) (Max. e.i.r.p≦125mW at any elevation angle above 30 degrees as measured from the horizon)
	Indoor Access Point	1W(30dBm)
	Fixed point-to-point Access Point	1W(30dBm)
	Mobile and Portable Client Device	250mW(23.98dBm)
U-NII-2A	All Device	250mW(23.98dBm) or 11dBm+10 log B,Which is lesser. (B is 26dB Bandwidth in MHz)
U-NII-2C	All Device	250mW(23.98dBm) or 11dBm+10 log B,Which is lesser. (B is 26dB Bandwidth in MHz)
U-NII-3	All Device	1W(30dBm)

Note:

For the Band U-NII-2A and U-NII-2C,the maximum conducted output power limit calculate result refer to section 3.5.

4.2. Test Setup



4.3. Test Procedure

a. Connect EUT antenna terminal to the OSP-B157WB with RF cable.
b. Set the EUT transmit continuously with maximum output power.
c. Through the test software in TS 8897 to control a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
d. Repeat above procedures until all modes and channels were measured.
e. Record the results in the test report.

4.4. Test Result

Temperature	23.6℃	Relative Humidity		60%	Test Voltage	AC 120V/60Hz
BAND	Test Mode	Frequency (MHz)	Conducted AVG Output Power (dBm)	Conducted AVG Output Power (W)	Limit (dBm)	Result
U-NII-1	IEEE 802.11a	5180	13.479	0.0223	23.98	PASS
		5200	13.470	0.0222	23.98	PASS
		5240	13.672	0.0233	23.98	PASS
	IEEE 802.11n HT20	5180	13.049	0.0202	23.98	PASS
		5200	12.738	0.0188	23.98	PASS
		5240	12.951	0.0197	23.98	PASS
	IEEE 802.11ac VHT20	5180	12.695	0.0186	23.98	PASS
		5200	12.690	0.0186	23.98	PASS
		5240	12.927	0.0196	23.98	PASS
	IEEE 802.11n HT40	5190	12.816	0.0191	23.98	PASS
		5230	13.039	0.0201	23.98	PASS
	IEEE 802.11ac VHT40	5190	12.579	0.0181	23.98	PASS
		5230	12.893	0.0195	23.98	PASS
	IEEE 802.11ac VHT80	5210	12.166	0.0165	23.98	PASS
U-NII-2A	IEEE 802.11a	5260	12.853	0.0193	23.98	PASS
		5300	12.169	0.0165	23.98	PASS
		5320	12.912	0.0196	23.98	PASS
	IEEE 802.11n HT20	5260	12.189	0.0166	23.98	PASS
		5300	11.612	0.0145	23.98	PASS
		5320	12.311	0.0170	23.98	PASS
	IEEE 802.11ac VHT20	5260	12.164	0.0165	23.98	PASS
		5300	11.676	0.0147	23.98	PASS
		5320	12.088	0.0162	23.98	PASS
	IEEE 802.11n HT40	5270	11.653	0.0146	23.98	PASS
		5310	11.799	0.0151	23.98	PASS
	IEEE 802.11ac VHT40	5270	11.551	0.0143	23.98	PASS
		5310	11.809	0.0152	23.98	PASS
	IEEE 802.11ac VHT80	5290	11.143	0.0130	23.98	PASS

BAND	Test Mode	Frequency (MHz)	Conducted AVG Output Power (dBm)	Conducted AVG Output Power (W)	Limit (dBm)	Result
U-NII-2C	IEEE 802.11a	5500	12.300	0.0170	23.98	PASS
		5580	11.917	0.0155	23.98	PASS
		5700	11.952	0.0157	23.98	PASS
	IEEE 802.11n HT20	5500	11.757	0.0150	23.98	PASS
		5580	11.421	0.0139	23.98	PASS
		5700	11.328	0.0136	23.98	PASS
	IEEE 802.11ac VHT20	5500	11.549	0.0143	23.98	PASS
		5580	11.205	0.0132	23.98	PASS
		5700	11.324	0.0136	23.98	PASS
	IEEE 802.11n HT40	5510	11.448	0.0140	23.98	PASS
		5670	11.103	0.0129	23.98	PASS
	IEEE 802.11ac VHT40	5510	12.160	0.0164	23.98	PASS
		5670	11.637	0.0146	23.98	PASS
	IEEE 802.11ac VHT80	5530	11.116	0.0129	23.98	PASS
		5610	12.100	0.0162	23.98	
U-NII-3	IEEE 802.11a	5745	13.343	0.0216	30.00	PASS
		5785	12.599	0.0182	30.00	PASS
		5825	12.469	0.0177	30.00	PASS
	IEEE 802.11n HT20	5745	12.873	0.0194	30.00	PASS
		5785	12.012	0.0159	30.00	PASS
		5825	11.912	0.0155	30.00	PASS
	IEEE 802.11ac VHT20	5745	12.905	0.0195	30.00	PASS
		5785	11.902	0.0155	30.00	PASS
		5825	11.972	0.0157	30.00	PASS
	IEEE 802.11n HT40	5755	12.736	0.0188	30.00	PASS
		5795	11.788	0.0151	30.00	PASS
	IEEE 802.11ac VHT40	5755	12.727	0.0187	30.00	PASS
		5795	11.688	0.0148	30.00	PASS
	IEEE 802.11ac VHT80	5775	11.670	0.0147	30.00	PASS

5. PEAK POWER SPECTRAL DENSITY

5.1. Limit

Band	EUT Type	Limit
U-NII-1	Outdoor Access Point	17dBm/MHz
	Indoor Access Point	17dBm/MHz
	Fixed point-to-point Access Point	17dBm/MHz
	Mobile and Portable Client Device	11dBm/MHz
U-NII-2A	All Device	11dBm/MHz
U-NII-2C	All Device	11dBm/MHz
U-NII-3	All Device	30dBm/500KHz

5.2. Test Setup

5.3. Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	1MHz(For U-NII-1&U-NII-2A&U-NII-2C) 500KHz(For U-NII-3)
VBW	3MHz(For U-NII-1&U-NII-2A&U-NII-2C) 2MHz(For U-NII-3)
Span	encompass the entire 26 dB EBW or 99% OBW of the signal
Sweep Time	Auto
Number of Sweep Point	≥2×SPAN/RBW
Detector	RMS(power averaging)
Trace Average	≥100 traces

5.4. Test Procedure

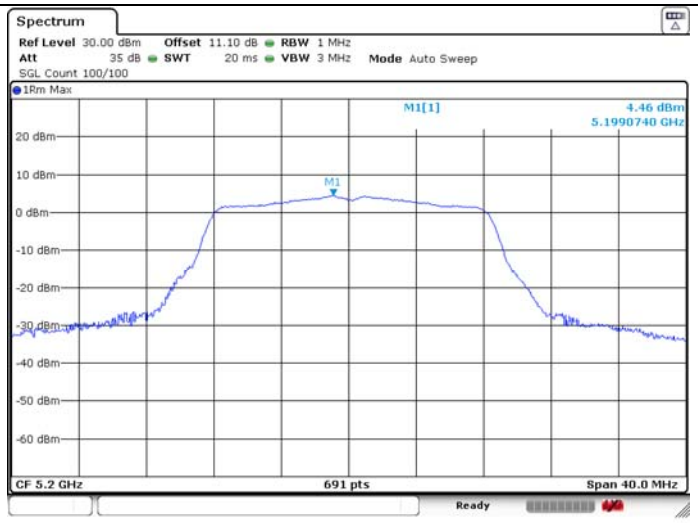
a. Connect EUT antenna terminal to the spectrum analyzer with RF cable.
b. Spectrum analyzer setting parameters in accordance with section 5.3.
c. Set the EUT transmit continuously with maximum output power.
d. Allow trace to stabilize, use the marker-to-peak function to set the marker to the average of the emission.
e. If the duty cycle of test siganl＜98%,the result=max measured value+10×log(1/duty cycle);
If the duty cycle of test siganl≥98%,the esult=max measured value.
f. Repeat above procedures until all modes and channels were measured.
g. Record the results in the test report.

5.5. Test Result

Temperature	23.6℃	Relative Humidity	60%	Test Voltage	AC 120V/60Hz

BAND	Test Mode	Fre (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Total Power Density (dBm/MHz)	Limit (dBm/MHz)	Result
U-NII-1	IEEE 802.11a	5180	4.48	0.26	4.74	11.00	PASS
		5200	4.46	0.26	4.72	11.00	PASS
		5240	3.87	0.26	4.13	11.00	PASS
	IEEE 802.11n HT20	5180	3.90	0.27	4.17	11.00	PASS
		5200	3.95	0.27	4.22	11.00	PASS
		5240	3.31	0.27	5.47	11.00	PASS
	IEEE 802.11ac VHT20	5180	3.84	0.27	4.11	11.00	PASS
		5200	3.76	0.27	4.03	11.00	PASS
		5240	3.26	0.27	3.53	11.00	PASS
	IEEE 802.11n HT40	5190	0.74	0.53	1.27	11.00	PASS
		5230	0.33	0.53	0.86	11.00	PASS
	IEEE 802.11ac VHT40	5190	0.66	0.52	1.18	11.00	PASS
		5230	0.53	0.52	1.05	11.00	PASS
	IEEE 802.11ac VHT80	5210	-2.64	0.90	-1.74	11.00	PASS
U-NII-2A	IEEE 802.11a	5260	3.47	0.26	3.73	11.00	PASS
		5300	3.27	0.26	3.53	11.00	PASS
		5320	3.30	0.26	3.56	11.00	PASS
	IEEE 802.11n HT20	5260	2.81	0.27	3.08	11.00	PASS
		5300	2.41	0.27	2.68	11.00	PASS
		5320	2.53	0.27	2.80	11.00	PASS
	IEEE 802.11ac VHT20	5260	2.84	0.27	3.11	11.00	PASS
		5300	2.75	0.27	3.02	11.00	PASS
		5320	2.43	0.27	2.70	11.00	PASS
	IEEE 802.11n HT40	5270	-0.10	0.53	0.43	11.00	PASS
		5310	-0.19	0.53	0.34	11.00	PASS
	IEEE 802.11ac VHT40	5270	-0.01	0.52	0.51	11.00	PASS
		5310	-0.26	0.52	0.26	11.00	PASS
	IEEE 802.11ac VHT80	5290	-3.53	0.90	-2.63	11.00	PASS
U-NII-2C	IEEE 802.11a	5500	3.38	0.26	3.64	11.00	PASS
		5580	2.55	0.26	2.81	11.00	PASS
		5700	2.97	0.26	3.23	11.00	PASS
	IEEE 802.11n HT20	5500	2.73	0.27	3.00	11.00	PASS
		5580	2.09	0.27	2.36	11.00	PASS
		5700	2.22	0.27	2.49	11.00	PASS
	IEEE 802.11ac VHT20	5500	2.78	0.27	3.05	11.00	PASS
		5580	2.00	0.27	2.27	11.00	PASS
		5700	2.47	0.27	2.74	11.00	PASS
	IEEE 802.11n HT40	5510	-0.30	0.53	0.23	11.00	PASS
		5590	-0.66	0.53	-0.13	11.00	PASS
		5670	-0.42	0.53	0.11	11.00	PASS
	IEEE 802.11ac VHT40	5510	-0.35	0.52	0.17	11.00	PASS
		5590	-0.61	0.52	-0.09	11.00	PASS
		5670	-0.32	0.52	0.20	11.00	PASS
	IEEE 802.11ac VHT80	5530	-3.61	0.90	-2.71	11.00	PASS
		5610	-3.68	0.90	-2.78	11.00	PASS

BAND	Test Mode	Fre (MHz)	Power Density (dBm/500KHz)	Duty Factor (dB)	Total Power Density (dBm/500KHz)	Limit (dBm/500KHz)	Result
U-NII-3	IEEE 802.11a	5745	1.28	0.26	1.54	30.00	PASS
		5785	0.85	0.26	1.11	30.00	PASS
		5825	0.73	0.26	0.99	30.00	PASS
	IEEE 802.11n HT20	5745	0.77	0.27	1.04	30.00	PASS
		5785	0.38	0.27	0.65	30.00	PASS
		5825	0.58	0.27	0.85	30.00	PASS
	IEEE 802.11ac VHT20	5745	1.09	0.27	1.36	30.00	PASS
		5785	0.60	0.27	0.87	30.00	PASS
		5825	0.48	0.27	0.75	30.00	PASS
	IEEE 802.11n HT40	5755	-2.35	0.53	-1.82	30.00	PASS
		5795	-2.91	0.53	-2.38	30.00	PASS
	IEEE 802.11ac VHT40	5755	-2.19	0.52	-1.67	30.00	PASS
		5795	-2.82	0.52	-2.30	30.00	PASS
	IEEE 802.11ac VHT80	5775	-5.82	0.90	-4.92	30.00	PASS

U-NII-1 IEEE 802.11a 5180MHz	U-NII-1 IEEE 802.11a 5200MHz
	
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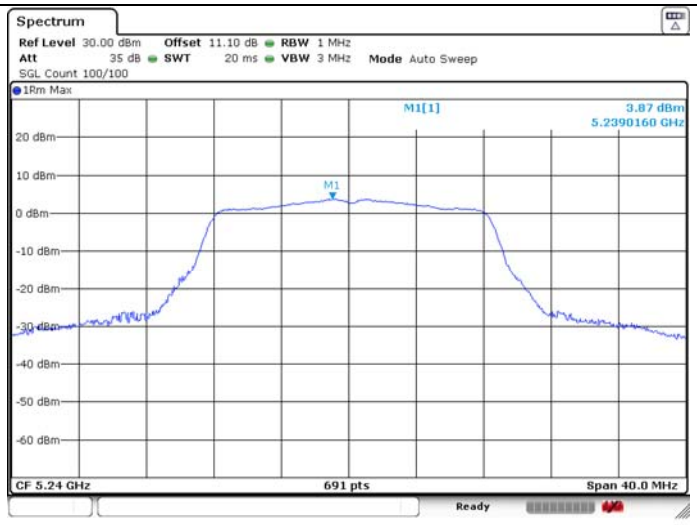	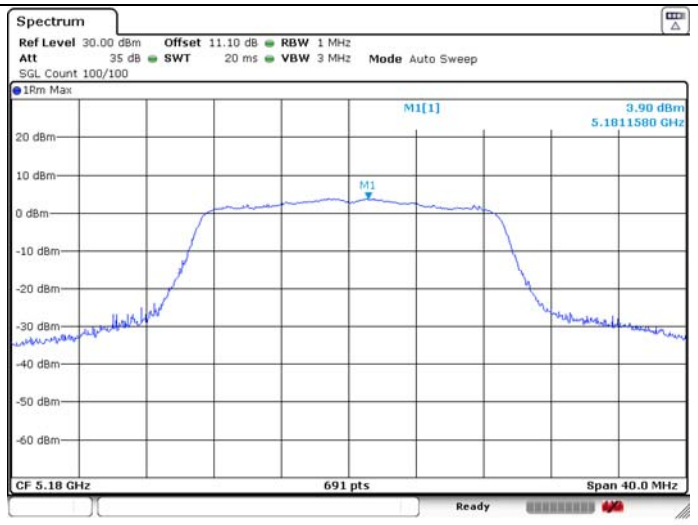
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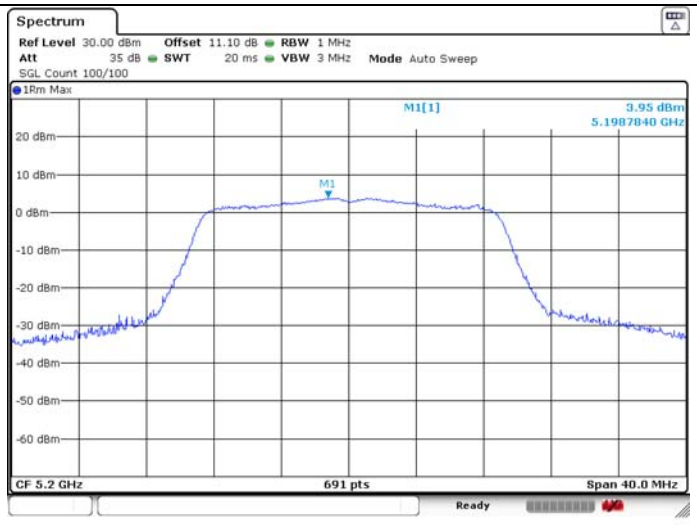	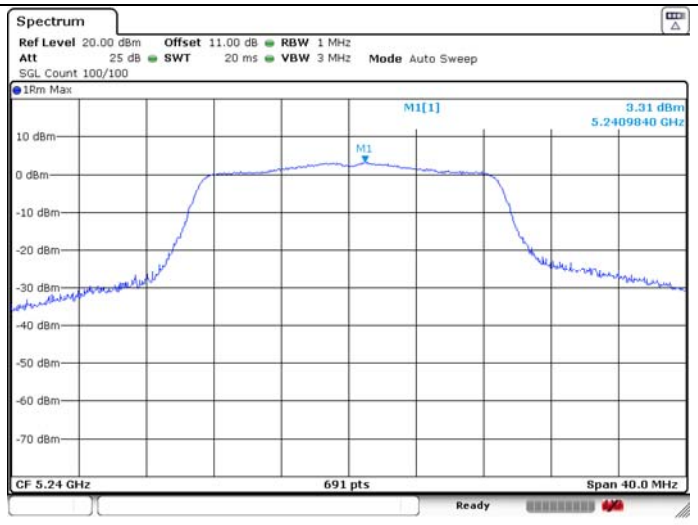

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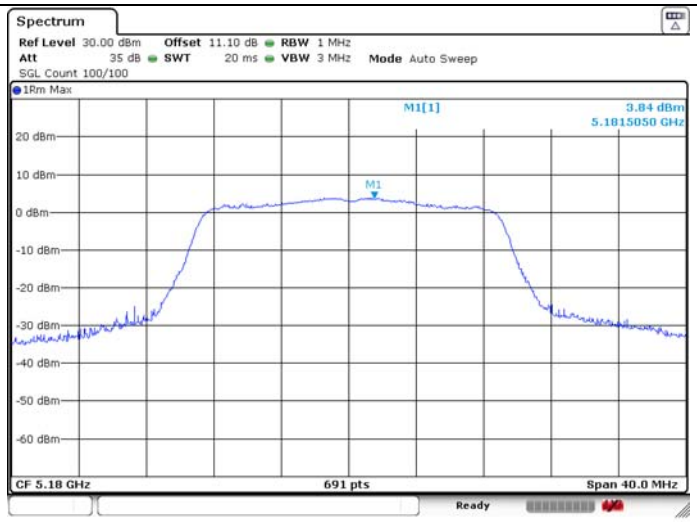	
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	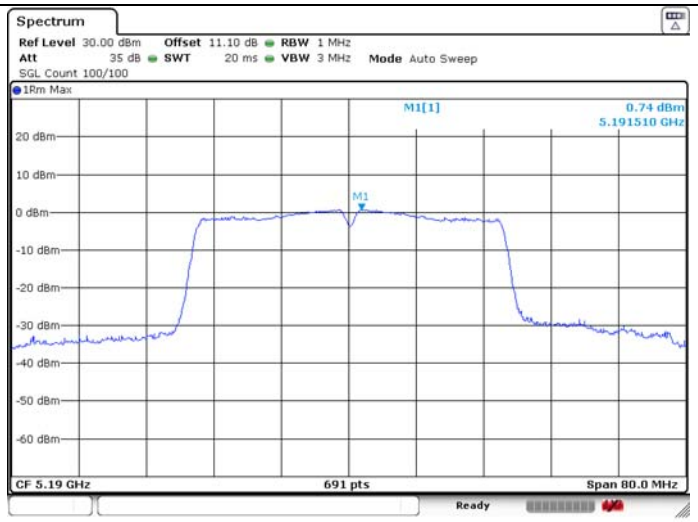
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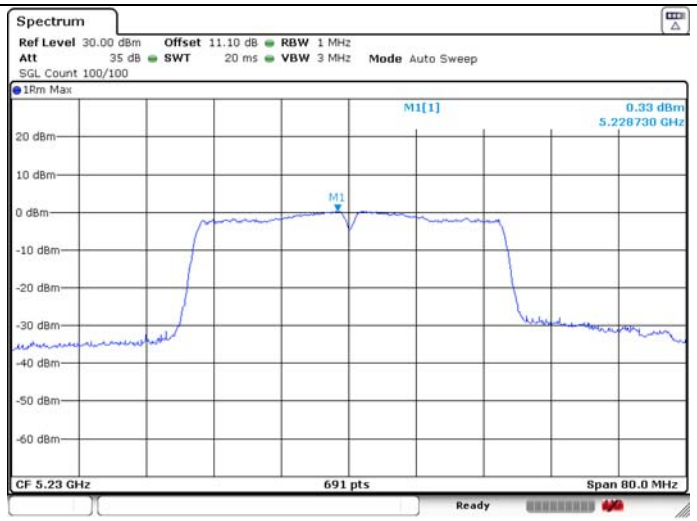	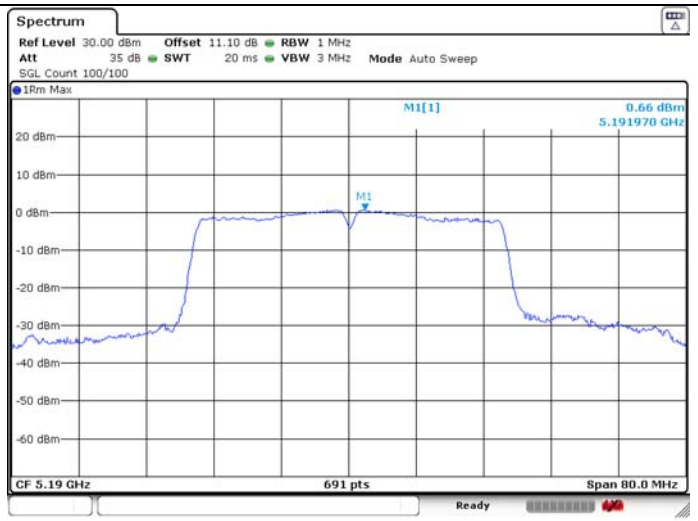

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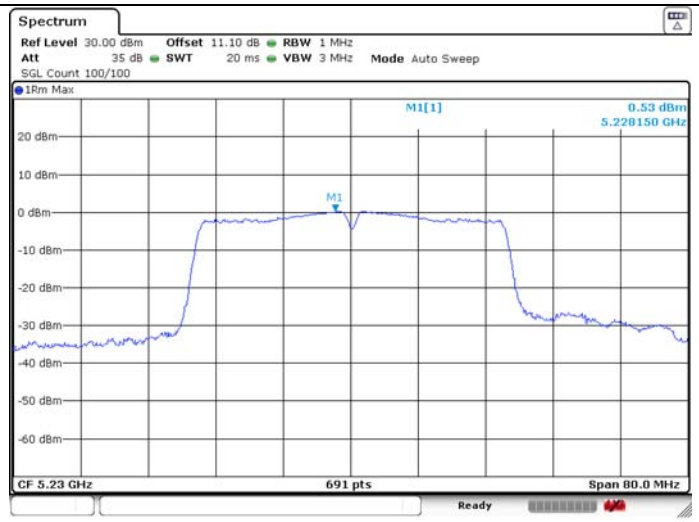
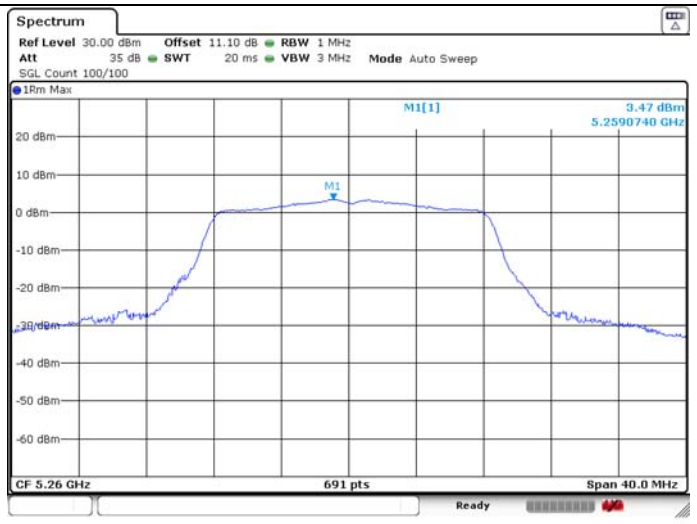
	

U-NII-2A IEEE 802.11a 5260MHz	U-NII-2A IEEE 802.11a 5300MHz
	
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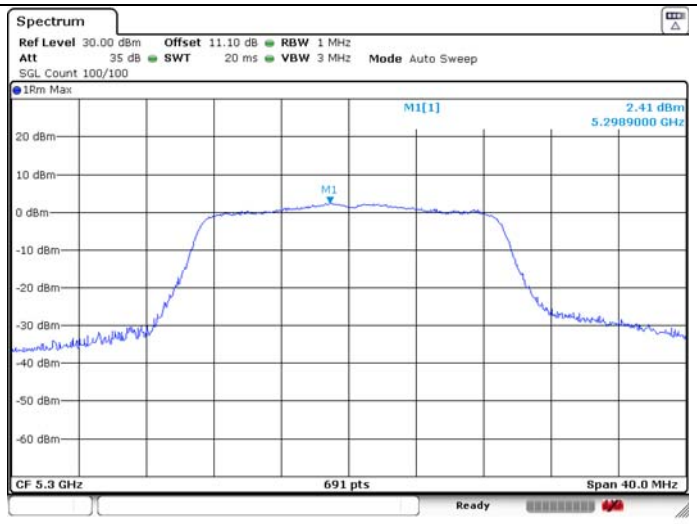
U-NII-2A IEEE 802.11n HT20 5300MHz	**U-NII-2A IEEE 802.11n HT20 5320MHz**
	

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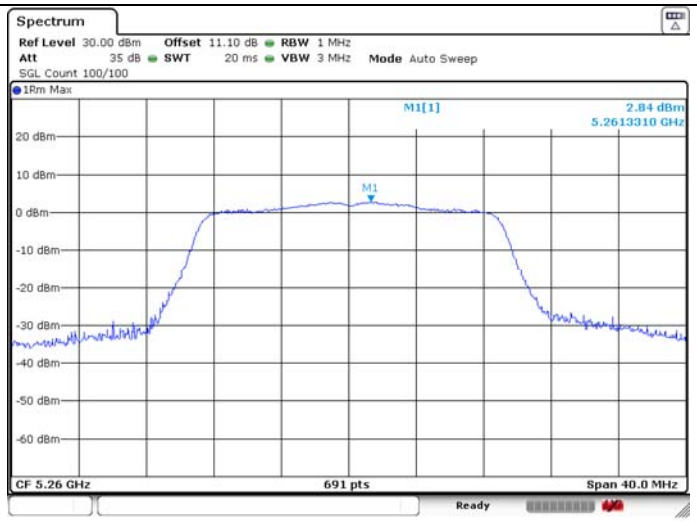	
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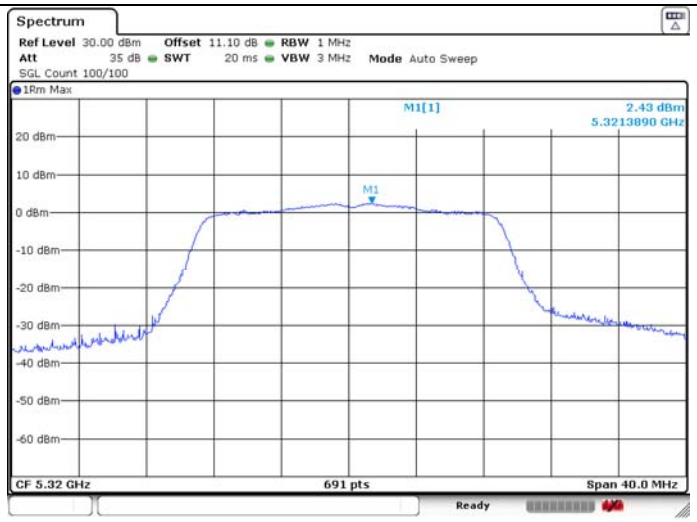
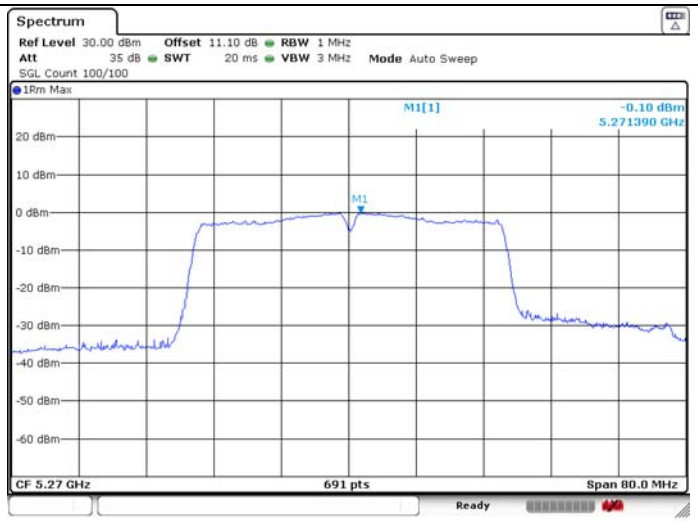
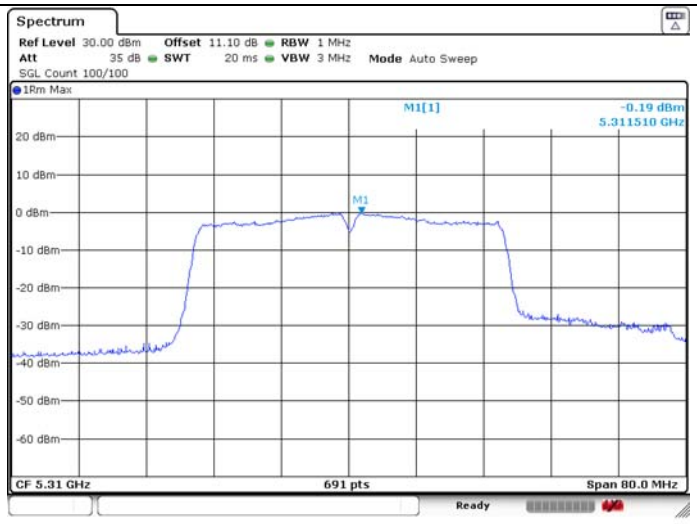
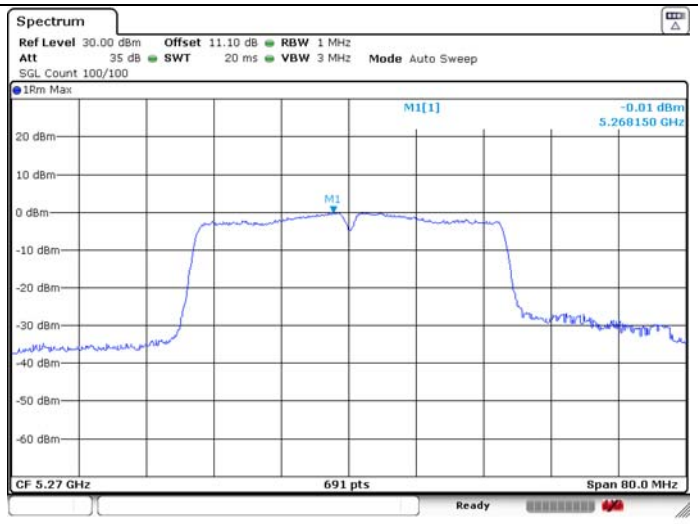
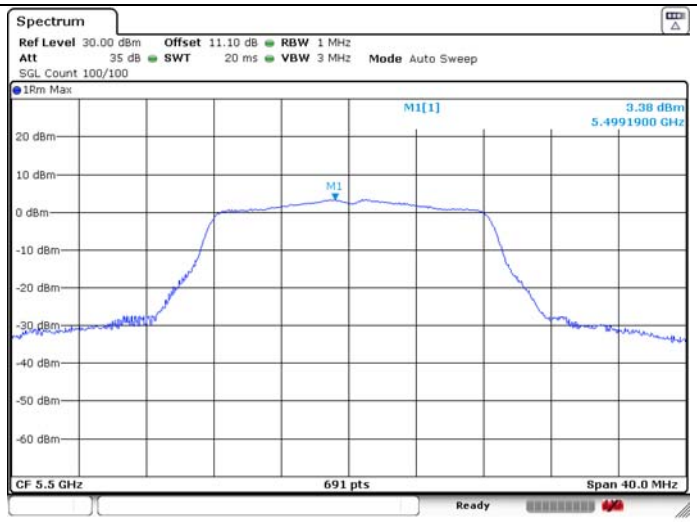
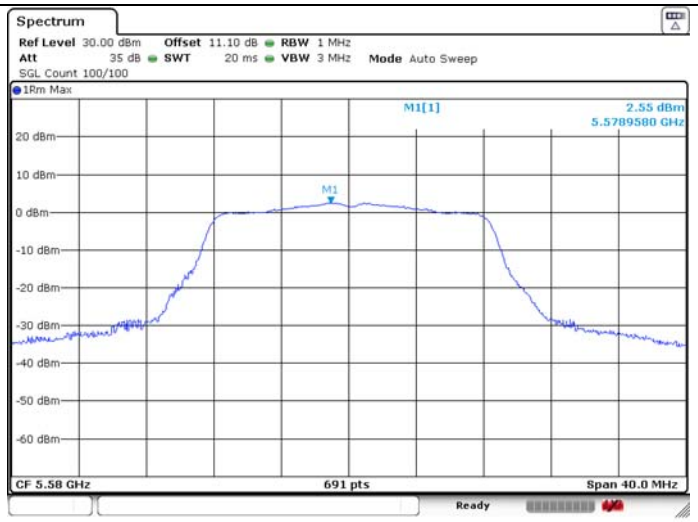
	
U-NII-2A IEEE 802.11n HT40 5310MHz	**U-NII-2A IEEE 802.11ac VHT40 5270MHz**
	

U-NII-2A IEEE 802.11ac VHT40 5310MHz	U-NII-2A IEEE 802.11ac VHT80 5290MHz
	

U-NII-2C IEEE 802.11a 5500MHz	U-NII-2C IEEE 802.11a 5580MHz
	
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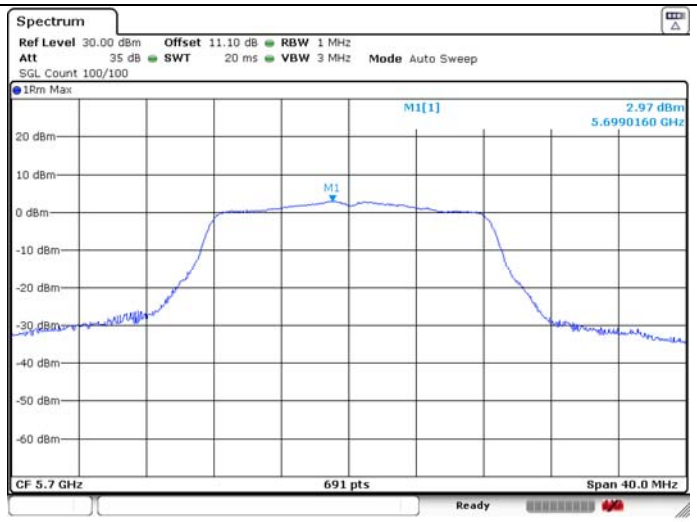	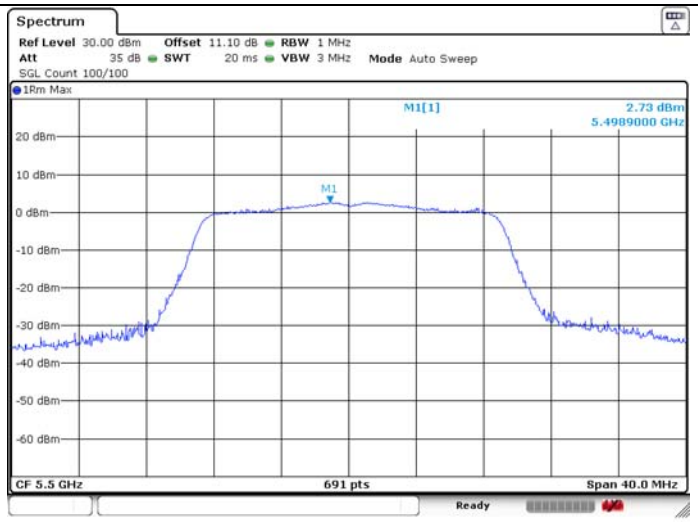
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	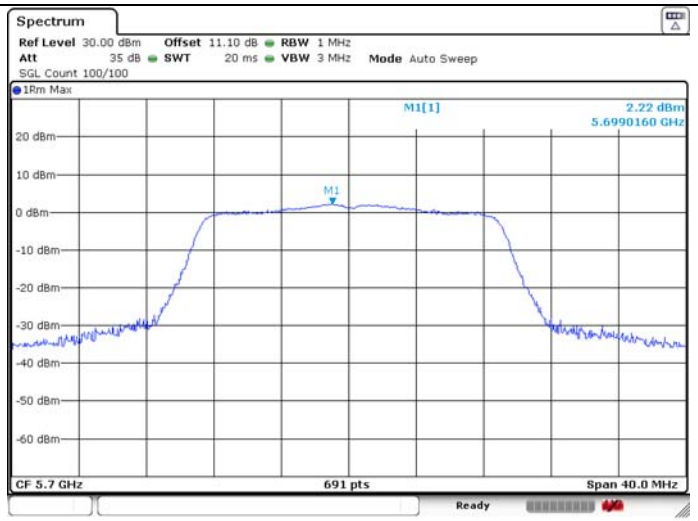

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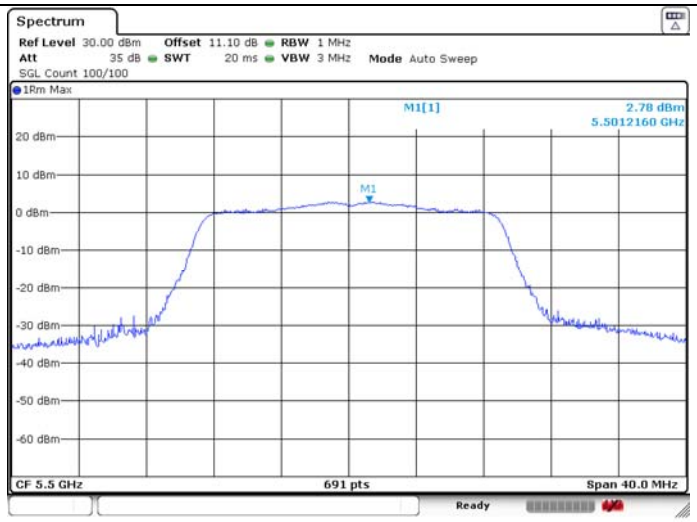
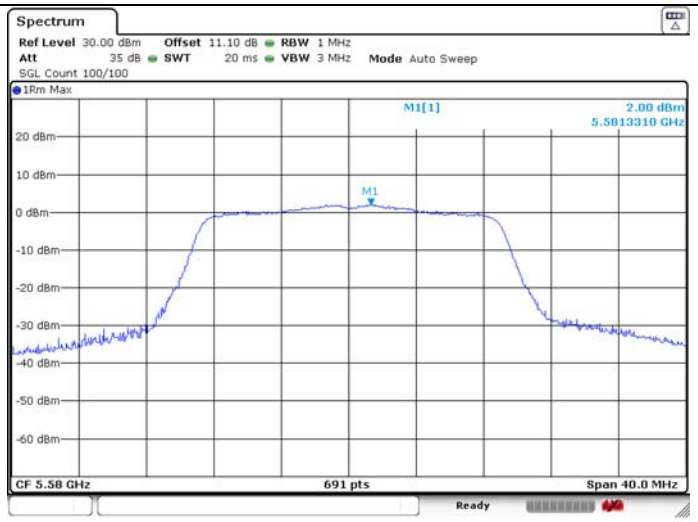
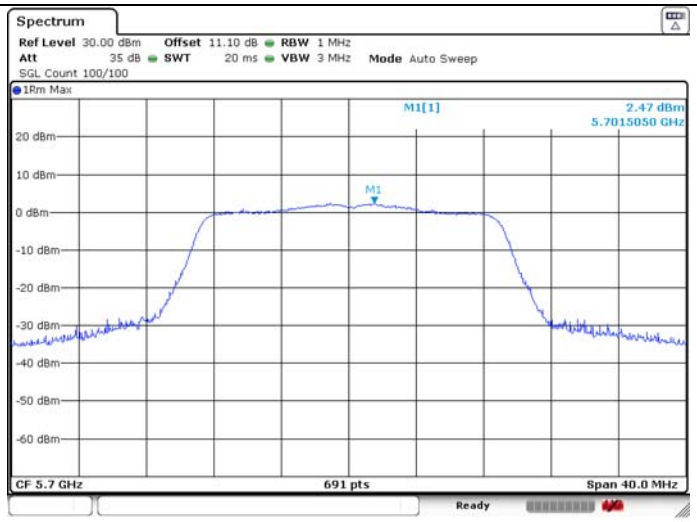
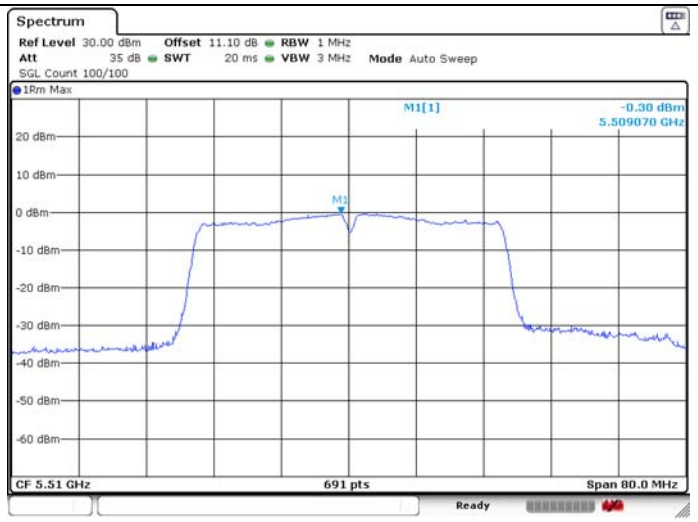
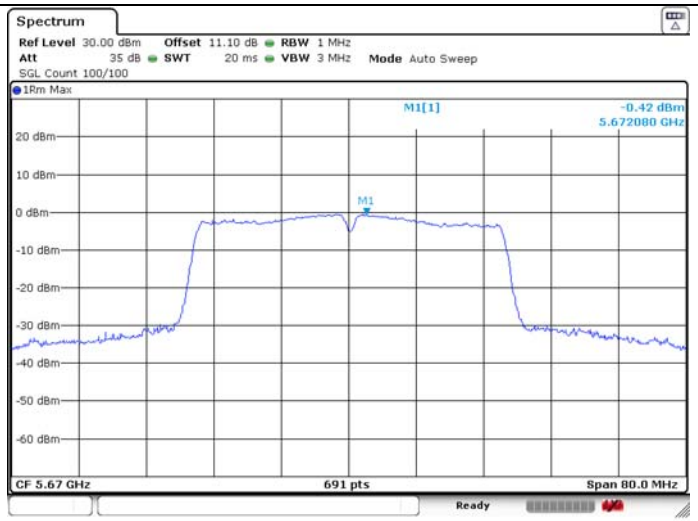
	
U-NII-2C IEEE 802.11ac VHT20 5700MHz	**U-NII-2C IEEE 802.11n HT40 5510MHz**
	
U-NII-2C IEEE 802.11n HT40 5590MHz	**U-NII-2C IEEE 802.11n HT40 5670MHz**
	

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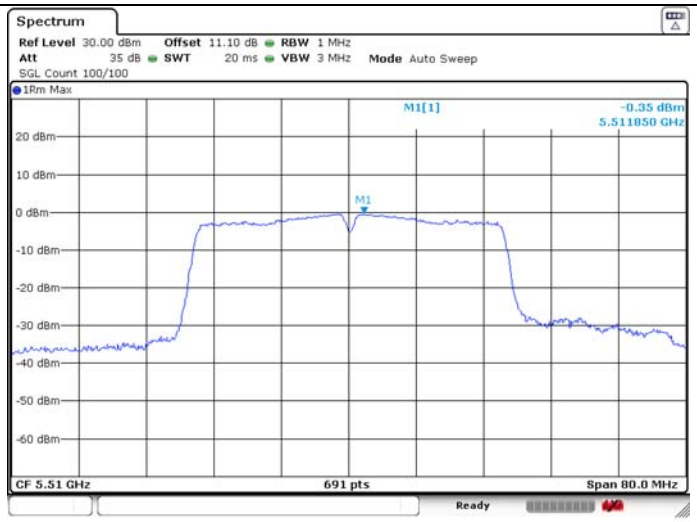
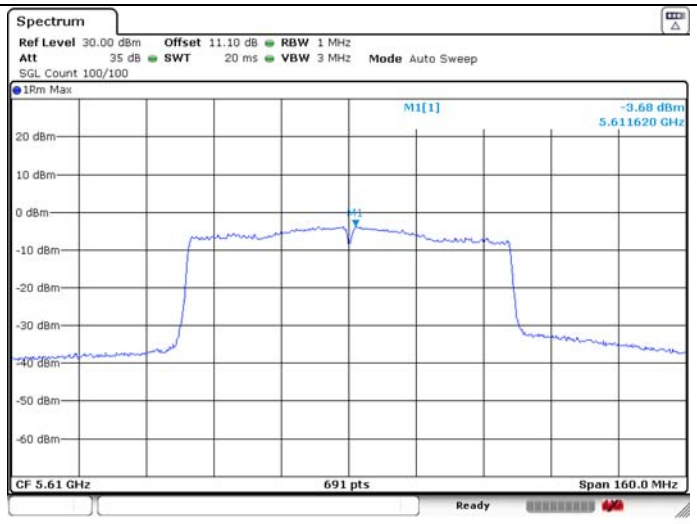
	
U-NII-2C IEEE 802.11ac VHT40 5670MHz	**U-NII-2C IEEE 802.11ac VHT80 5530MHz**
	
U-NII-2C IEEE 802.11ac VHT80 5610MHz	
	

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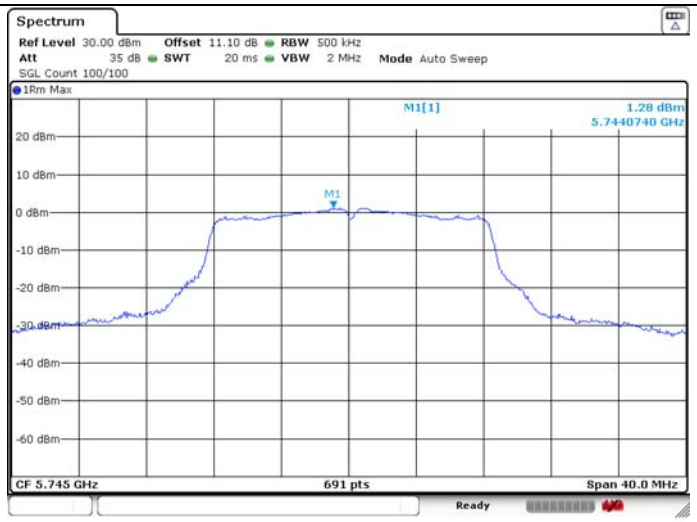
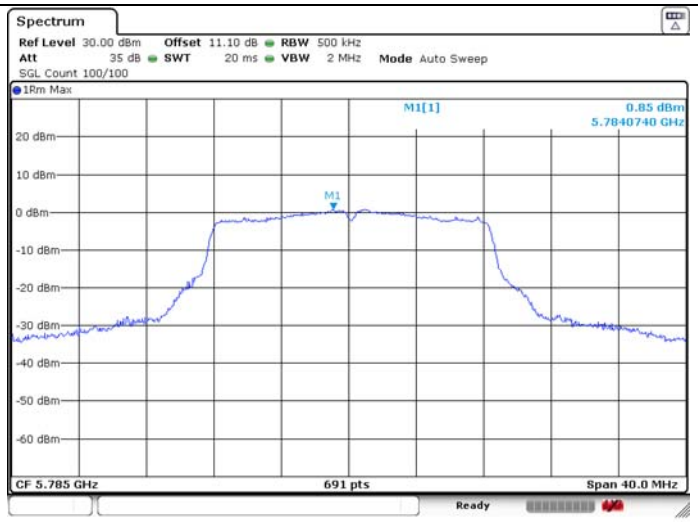
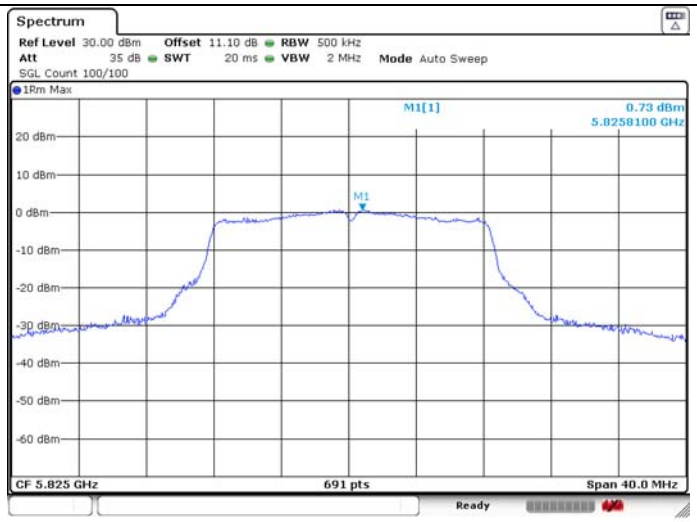
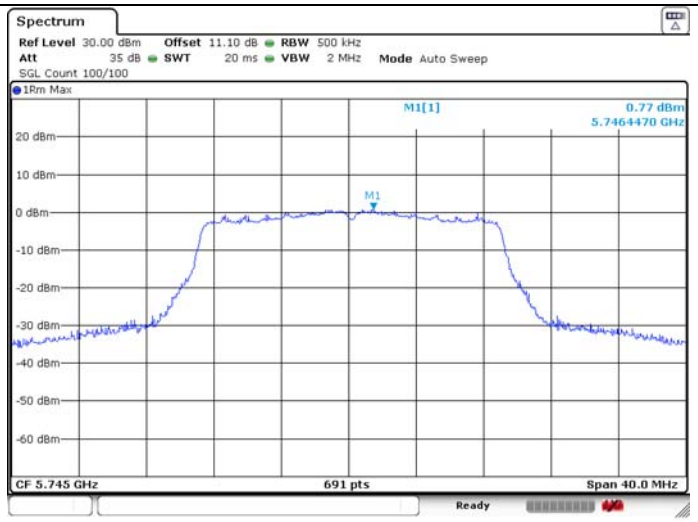
	
U-NII-3 IEEE 802.11a 5825MHz	**U-NII-3 IEEE 802.11n HT20 5745MHz**
	
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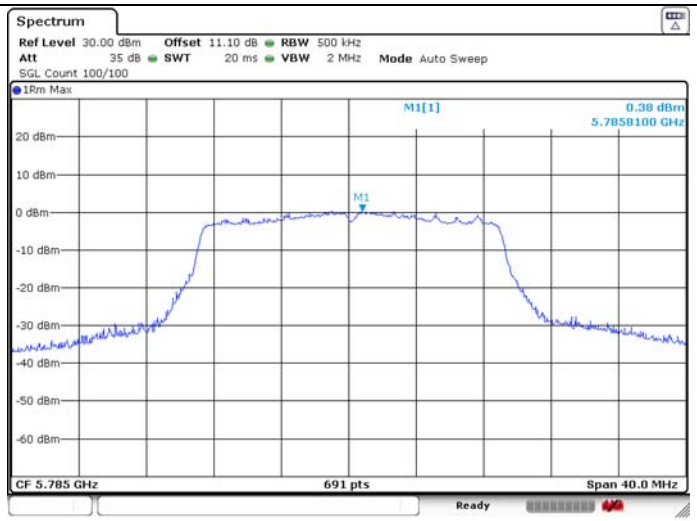	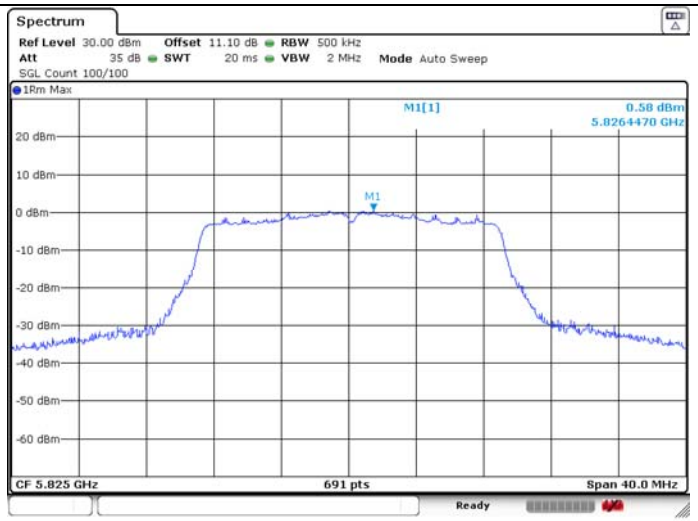

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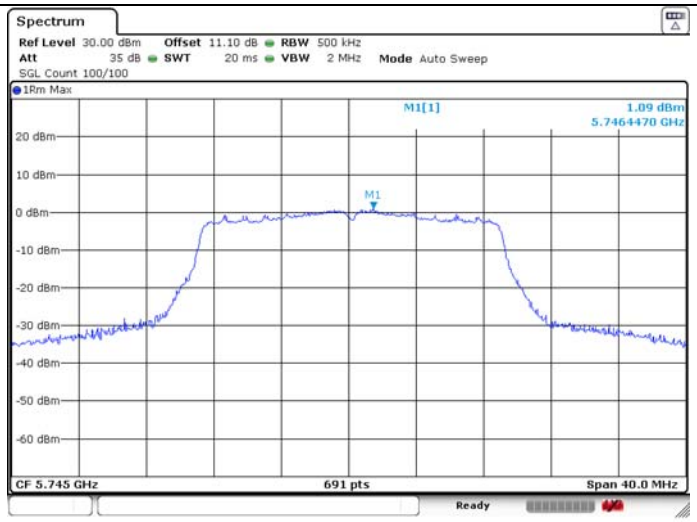
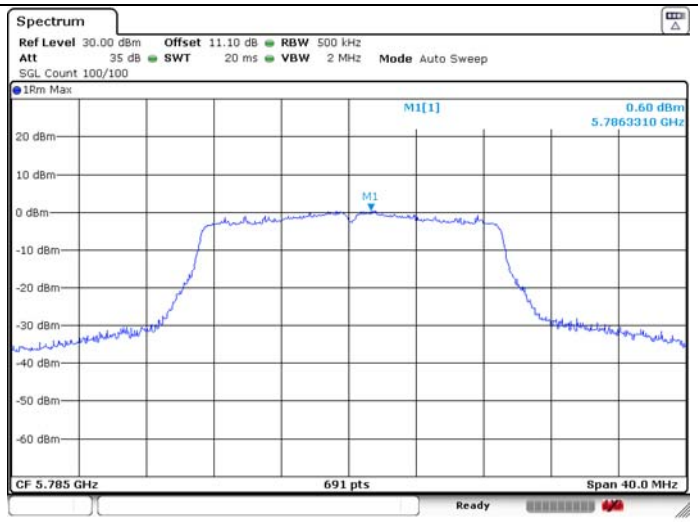
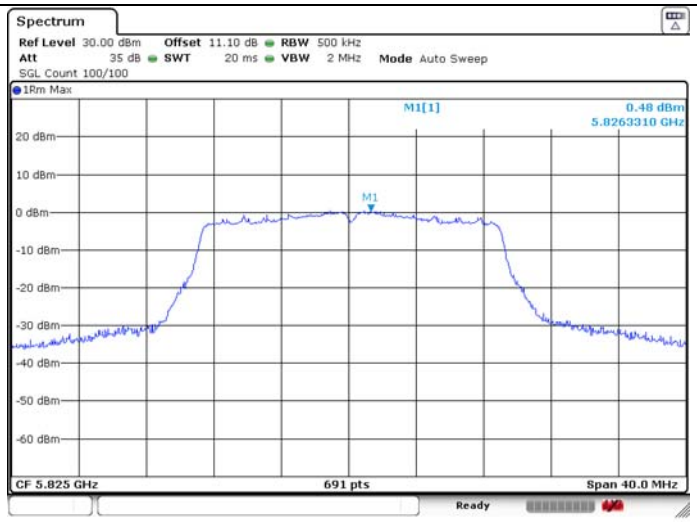
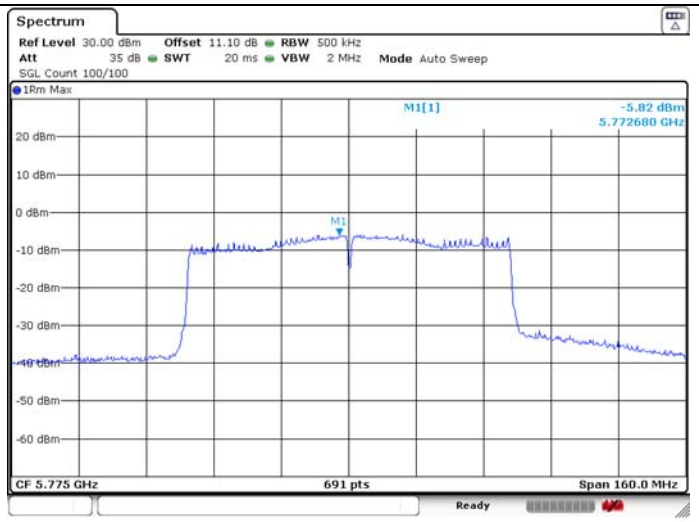
	
U-NII-3 IEEE 802.11ac VHT20 5825MHz	**U-NII-3 IEEE 802.11n HT40 5755MHz**
	
U-NII-3 IEEE 802.11n HT40 5795MHz	**U-NII-3 IEEE 802.11ac VHT40 5755MHz**
	

U-NII-3 IEEE 802.11ac VHT40 5795MHz	U-NII-3 IEEE 802.11ac VHT80 5775MHz
	

6. UNWANTED EMISSIONS AND BAND EDGE

6.1. Limit

The maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(4) 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.

The unwanted emissions which fall in Restricted bands shall not exceed the field strength levels specified in the following table:

15.209 Radiated emission limits

Frequency (MHz)	Field Strength(μV/m)	Distance(m)
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

15.205 Restricted frequency band

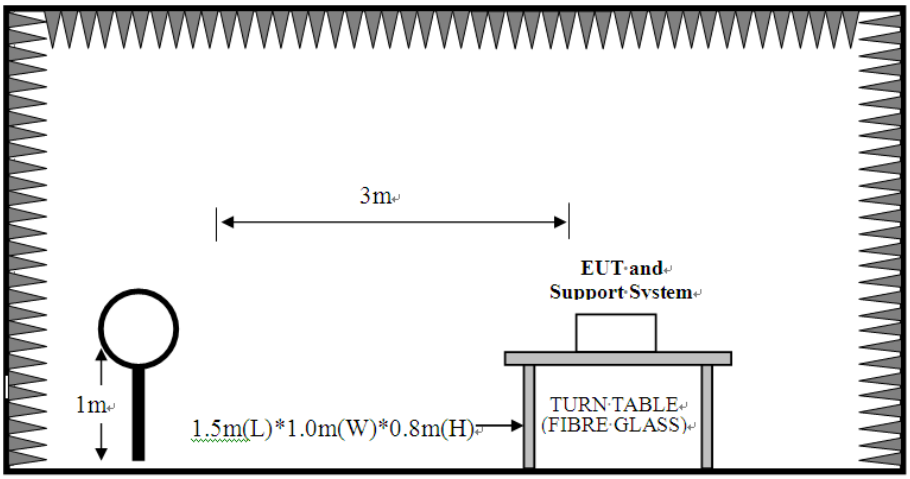
MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1]0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])

Note：

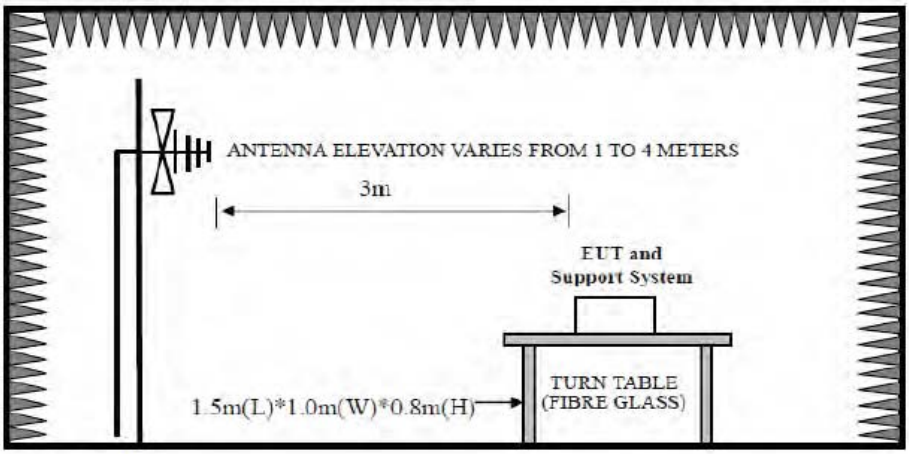
1. dBμV/m=20Log(μV/m)
2. Above 1GHz the formula is used to convert the EIRP to field strength
   E[dBμV/m] = EIRP[dBm] – 20 log (d[m]) + 104.77,
   where E is field strength and d is distance at which the field strength limit is specified in the applicable requirements.
   for example,3m field strength(dBμV/m)=EIRP-20log(3)+104.77=EIRP+95.2

6.2. Test Setup

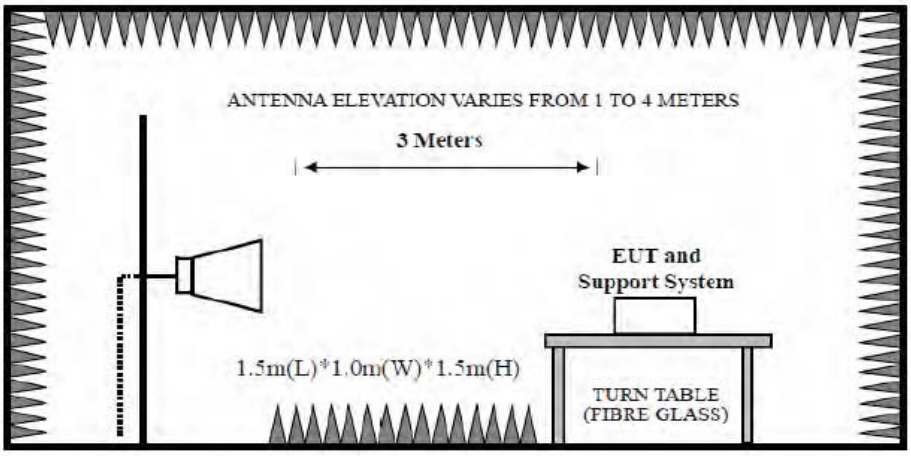
9kHz~30MHz



30~1000MHz



Above 1GHz



6.3. Spectrum Analyzer Setting

For 9KHz-150KHz

Spectrum Parameters	Setting
RBW	300Hz(for Peak&AVG)/CISPR 200Hz(for QP)
VBW	300Hz(for Peak&AVG)/CISPR 200Hz(for QP)
Start frequency	9KHz
Stop frequency	150KHz
Sweep Time	Auto
Detector	PEAK/QP/AVG
Trace Mode	Max Hold

Note : For 9KHz-90KHz&110KHz-150KHz,the detector is average,other frequency is CISPR QP detector.

For 150KHz-30MHz

Spectrum Parameters	Setting
RBW	9KHz
VBW	9KHz
Start frequency	150KHz
Stop frequency	30MHz
Sweep Time	Auto
Detector	QP
Trace Mode	Max Hold

Note : For 150KHz-490KHz,the detector is average,other frequency is CISPR QP detector.

For 30MHz-1GHz

Spectrum Parameters	Setting
RBW	120KHz
VBW	300KHz
Start frequency	30MHz
Stop frequency	1GHz
Sweep Time	Auto
Detector	QP
Trace Mode	Max Hold

For Above 1GHz

Spectrum Parameters	Setting	
RBW	1MHz	
VBW	PEAK Measurement	AVG Measurement
	3MHz	Duty cycle≥98%,VBW=10Hz Duty cycle＜98%,VBW≥1/T Video bandwidth mode=RMS (power averaging)
Start frequency	1GHz	
Stop frequency	40GHz	
Sweep Time	Auto	
Detector	PEAK	
Trace Mode	Max Hold	

Note : T is the on-time time of the duty cycle,when EUT transmit continuously with maximum output power,unit is seconds. reference section 2.7 for the on-time time.

6.4. Test Procedure

a. EUT was placed on a turn table, which is 0.8 meter high above ground for below 1GHz test, and which is 1.5 meter high above ground for above 1GHz test.
b. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower.
c. Set the EUT transmit continuously with maximum output power.
d. The turn table can rotate 360 degrees to determine the position of the maximum emission level.
e. The antenna can be moved 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 test.
f. Spectrum analyzer setting parameters in accordance with section 6.3.
g. Repeat above procedures until all channels were measured.
h. Record the results in the test report.
i. IEEE 802.11a, IEEE 802.11n HT20, IEEE 802.11n HT40, IEEE 802.11ac VHT20, IEEE 802.11ac VHT40, IEEE 802.11ac VHT80 all have been tested, only worst case 802.11ac VHT20 is recorded.

6.5. Test Result

Radiated Emissions Below 1GHz

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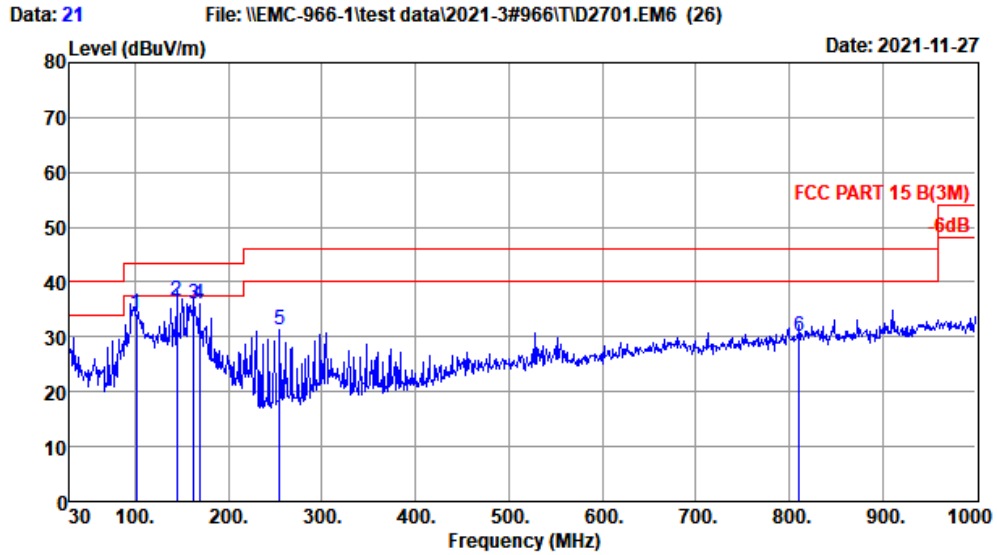

Site no. : 3# 966 Chamber Data no. : 21
Dis. / Ant. : 3m 31218 Ant. pol. : VERTICAL
Limit : FCC PART 15 B(3M)
Env. / Ins. : Temp:21.2°C;Humi:56%;Press:101.52kPa
Engineer : Blank
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : TX Mode

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	101.78	10.20	0.81	23.24	34.25	43.50	9.25	QP
2	144.40	11.73	0.96	23.90	36.59	43.50	6.91	QP
3	162.89	10.72	1.05	24.14	35.91	43.50	7.59	QP
4	168.71	9.76	1.05	25.10	35.91	43.50	7.59	QP
5	255.04	13.70	1.44	16.29	31.43	46.00	14.57	QP
6	810.85	23.41	3.15	3.69	30.25	46.00	15.75	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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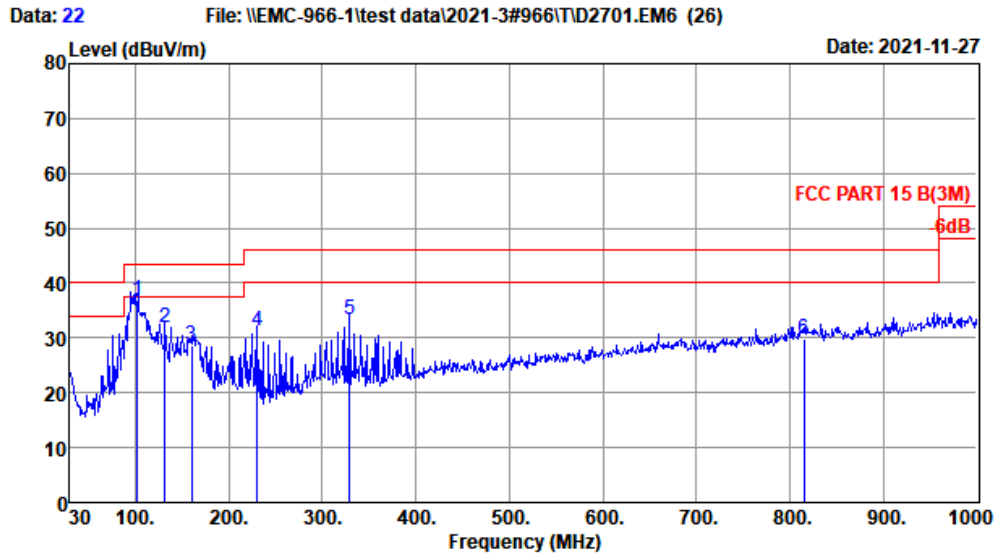

Site no. : 3# 966 Chamber Data no. : 22
Dis. / Ant. : 3m 31218 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B(3M)
Env. / Ins. : Temp:21.2°C;Humi:56%;Press:101.52kPa
Engineer : Blank
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : TX Mode

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	102.33	10.30	0.81	25.70	36.81	43.50	6.69	QP
2	131.85	11.56	0.90	19.53	31.99	43.50	11.51	QP
3	159.98	11.20	1.04	16.29	28.53	43.50	14.97	QP
4	230.79	10.78	1.32	19.14	31.24	46.00	14.76	QP
5	328.76	14.48	1.69	17.20	33.37	46.00	12.63	QP
6	814.73	23.45	3.14	3.29	29.88	46.00	16.12	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

Note:

1. The amplitude of 9KHz to 30MHz spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.
2. All test mode had been pre-test,only the worst case was reported.

Radiated Emissions Above 1G

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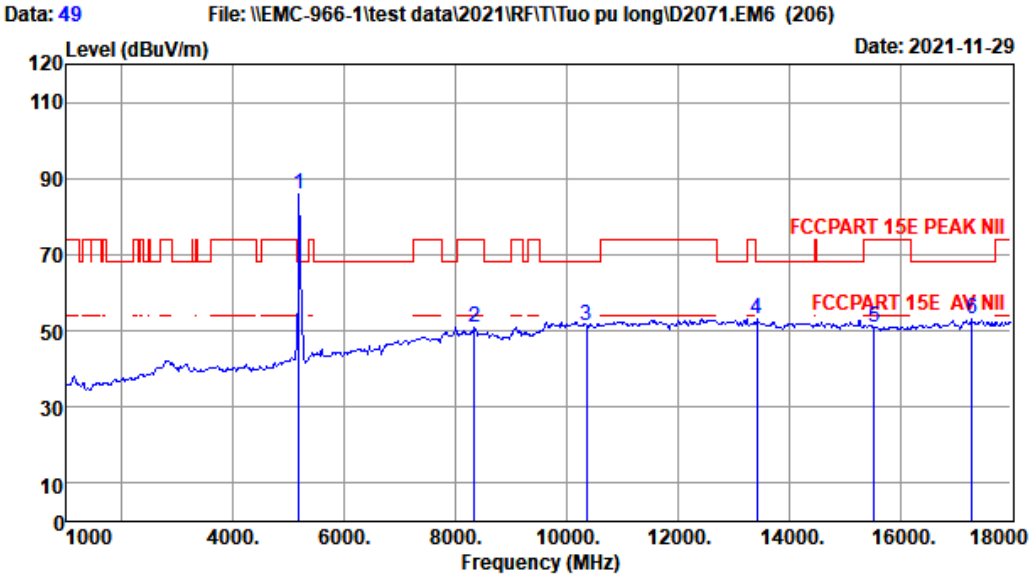

Site no. : 1# 966 Chamber Data no. : 49
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5180MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5180.00	32.20	3.52	84.97	86.06	68.20	-17.86	Peak
2	8344.00	36.90	5.39	43.50	51.06	74.00	22.94	Peak
3	10360.00	39.27	5.99	40.51	51.46	68.20	16.74	Peak
4	13427.00	40.12	6.32	41.09	53.17	68.20	15.03	Peak
5	15540.00	40.31	6.46	38.40	50.78	74.00	23.22	Peak
6	17303.00	43.34	7.72	36.30	52.99	68.20	15.21	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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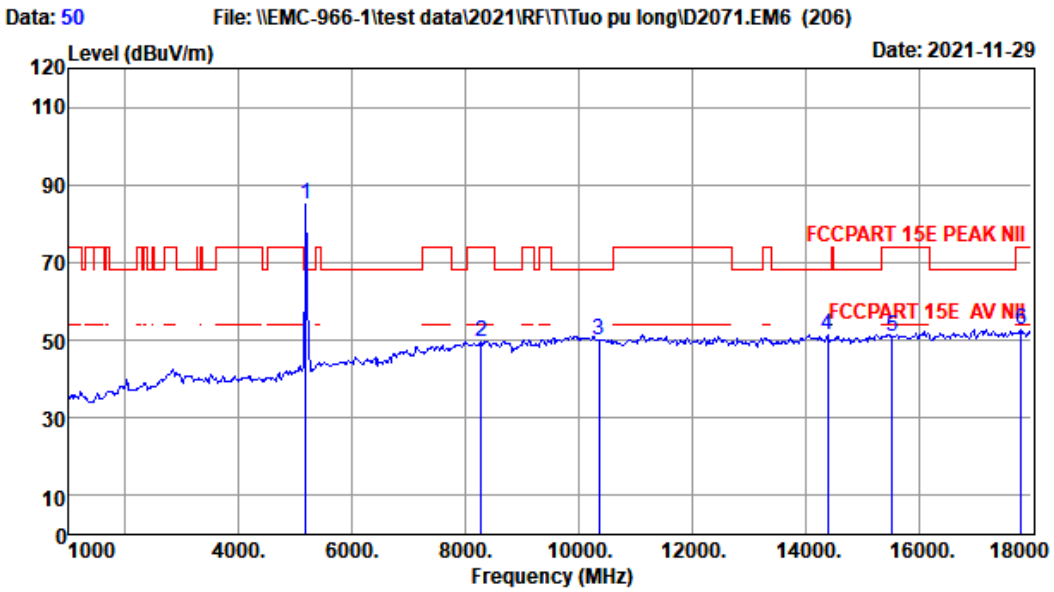

Site no. : 1# 966 Chamber Data no. : 50
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5180MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5180.00	32.20	3.52	83.88	84.97	68.20	-16.77	Peak
2	8276.00	36.90	5.47	42.02	49.63	74.00	24.37	Peak
3	10360.00	39.27	5.99	39.01	49.96	68.20	18.24	Peak
4	14396.00	41.02	6.82	37.76	51.18	68.20	17.02	Peak
5	15540.00	40.31	6.46	38.41	50.79	74.00	23.21	Peak
6	17813.00	47.41	8.12	31.57	52.78	74.00	21.22	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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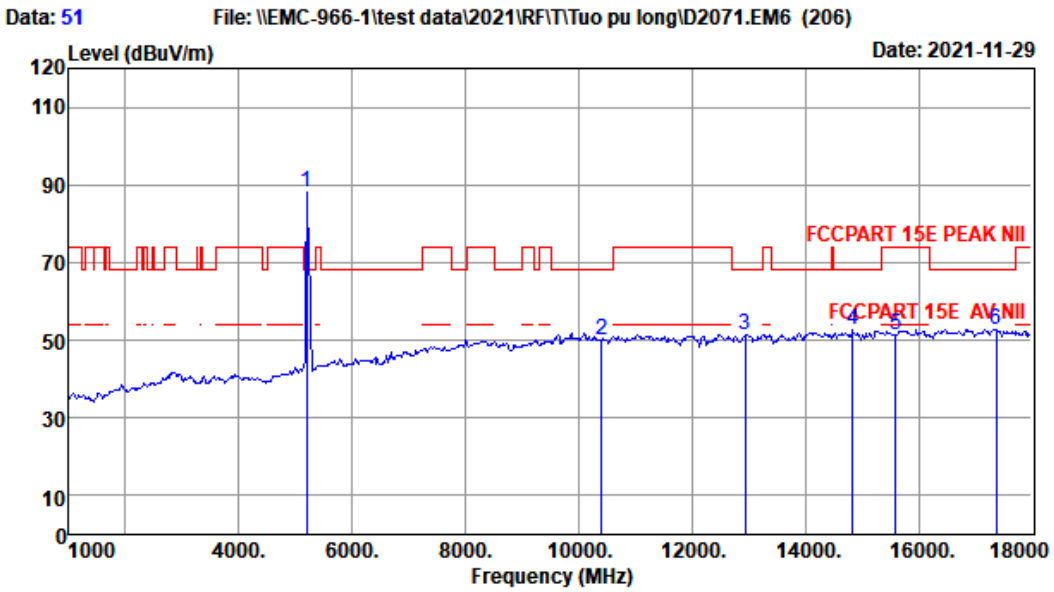

Site no. : 1# 966 Chamber Data no. : 51
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5200MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5200.00	32.24	3.53	86.94	88.09	68.20	-19.89	Peak
2	10400.00	39.31	5.99	39.18	50.16	68.20	18.04	Peak
3	12934.00	39.43	6.26	40.26	51.52	68.20	16.68	Peak
4	14838.00	40.93	6.84	39.37	52.59	68.20	15.61	Peak
5	15600.00	40.24	6.53	38.93	51.34	74.00	22.66	Peak
6	17371.00	43.88	7.79	35.50	52.81	68.20	15.39	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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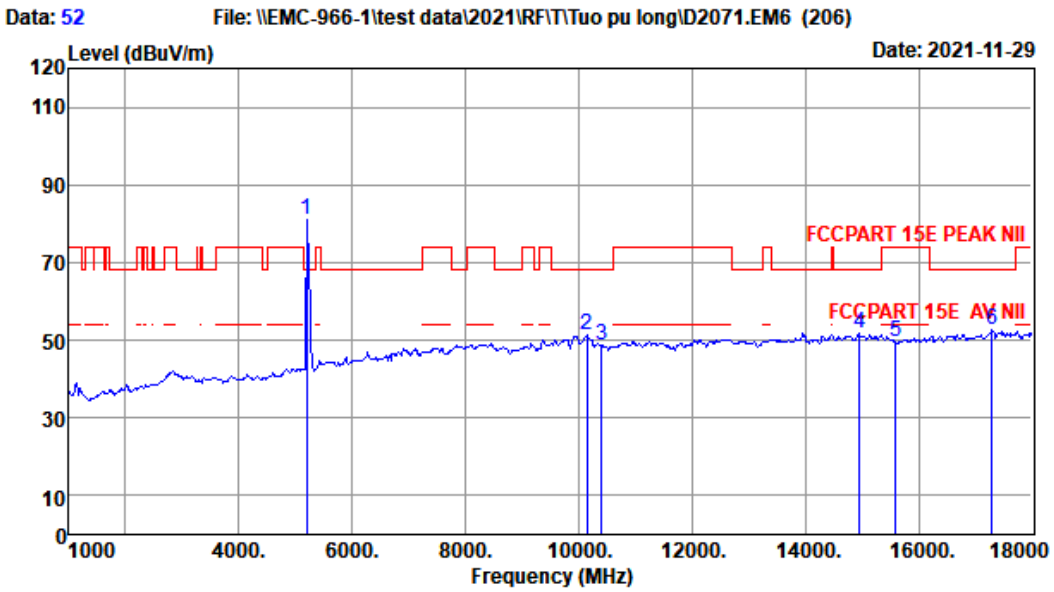

Site no. : 1# 966 Chamber Data no. : 52
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5200MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5200.00	32.24	3.53	80.10	81.25	68.20	-13.05	Peak
2	10146.00	39.05	5.93	40.47	51.20	68.20	17.00	Peak
3	10400.00	39.31	5.99	37.53	48.51	68.20	19.69	Peak
4	14957.00	40.91	6.82	38.66	51.81	68.20	16.39	Peak
5	15600.00	40.24	6.53	37.06	49.47	74.00	24.53	Peak
6	17303.00	43.34	7.72	35.82	52.51	68.20	15.69	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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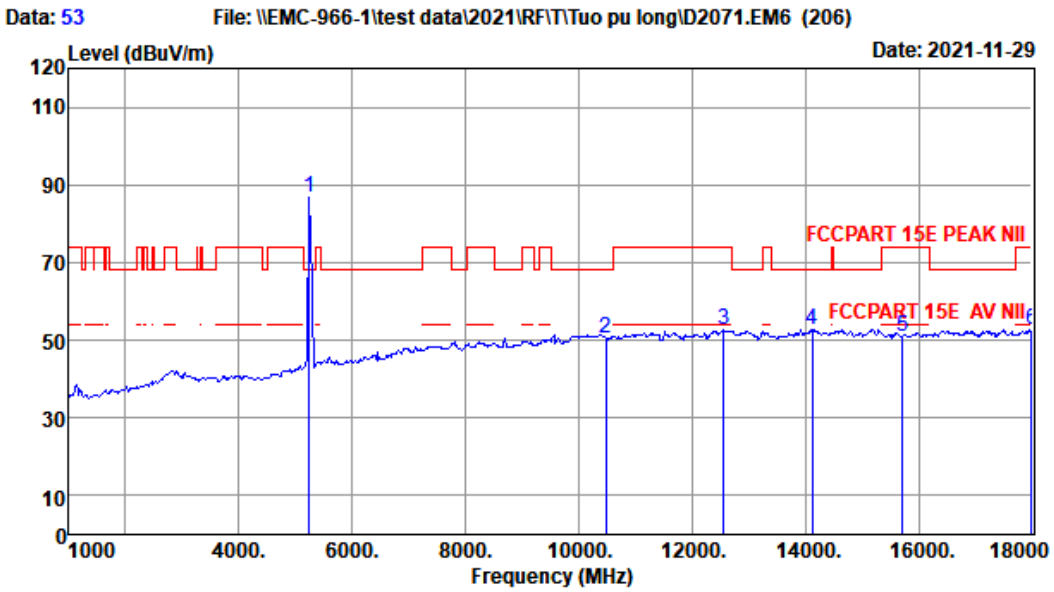

Site no. : 1# 966 Chamber Data no. : 53
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5240MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5240.00	32.31	3.55	85.63	86.88	68.20	-18.68	Peak
2	10480.00	39.39	6.02	39.57	50.63	68.20	17.57	Peak
3	12560.00	39.62	6.22	41.45	52.71	74.00	21.29	Peak
4	14124.00	41.08	6.62	39.51	52.87	68.20	15.33	Peak
5	15720.00	40.10	6.65	38.68	51.12	74.00	22.88	Peak
6	18000.00	48.90	8.24	29.82	52.66	74.00	21.34	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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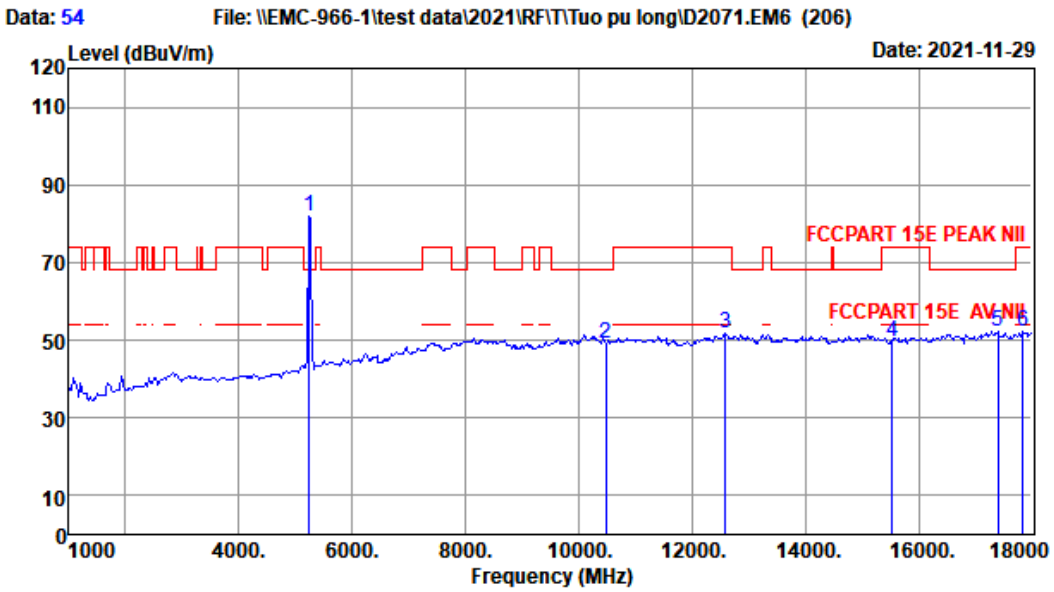

Site no. : 1# 966 Chamber Data no. : 54
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5240MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5240.00	32.31	3.55	80.69	81.94	68.20	-13.74	Peak
2	10480.00	39.39	6.02	38.05	49.11	68.20	19.09	Peak
3	12594.00	39.60	6.22	40.33	51.59	74.00	22.41	Peak
4	15540.00	40.31	6.46	37.34	49.72	74.00	24.28	Peak
5	17405.00	44.15	7.82	34.48	52.09	68.20	16.11	Peak
6	17847.00	47.68	8.14	30.94	52.44	74.00	21.56	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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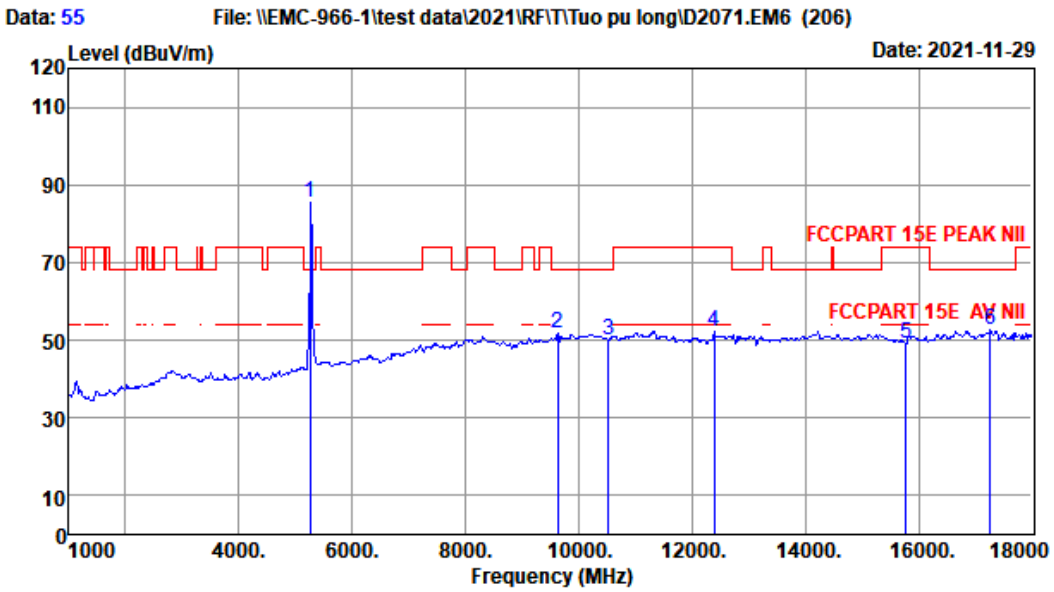

Site no. : 1# 966 Chamber Data no. : 55
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5260MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5260.00	32.39	3.57	83.91	85.28	68.20	-17.08	Peak
2	9636.00	38.18	5.61	42.21	51.73	68.20	16.47	Peak
3	10520.00	39.43	6.02	38.83	49.92	68.20	18.28	Peak
4	12390.00	39.71	6.15	40.91	52.13	74.00	21.87	Peak
5	15780.00	40.05	6.69	36.87	49.32	74.00	24.68	Peak
6	17269.00	43.07	7.69	36.21	52.60	68.20	15.60	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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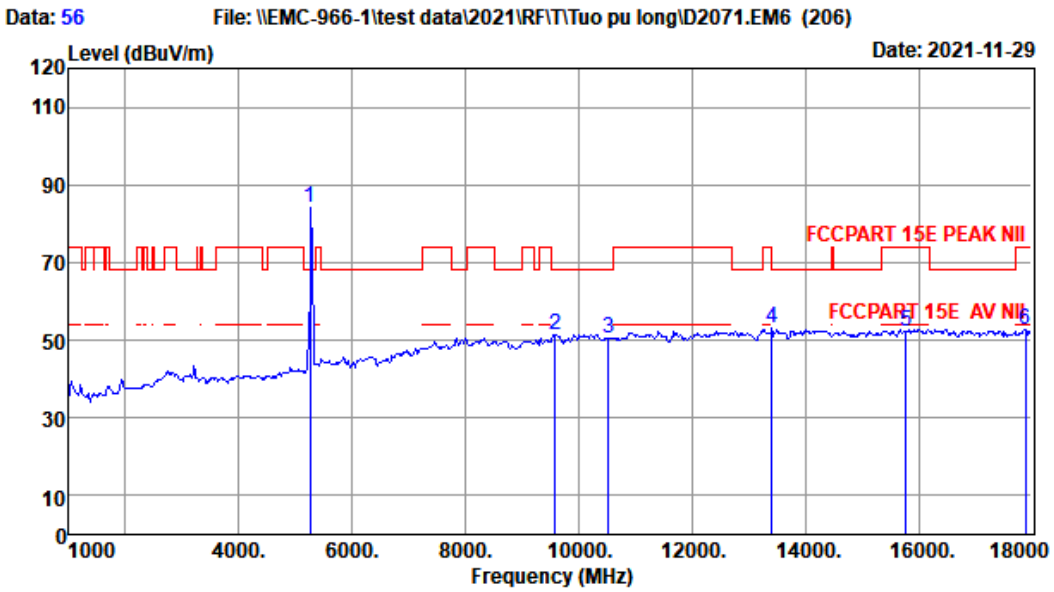

Site no. : 1# 966 Chamber Data no. : 56
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5260MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5260.00	32.39	3.57	82.58	83.95	68.20	-15.75	Peak
2	9585.00	38.07	5.57	42.19	51.55	68.20	16.65	Peak
3	10520.00	39.43	6.02	39.27	50.36	68.20	17.84	Peak
4	13410.00	40.09	6.32	41.18	53.23	68.20	14.97	Peak
5	15780.00	40.05	6.69	39.74	52.19	74.00	21.81	Peak
6	17881.00	47.95	8.16	31.00	52.80	74.00	21.20	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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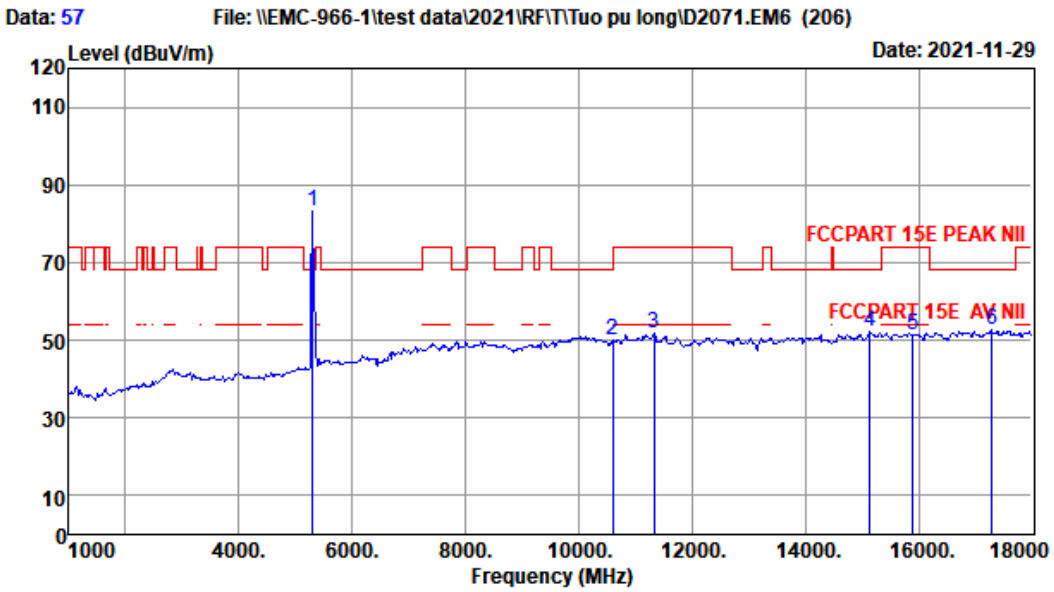

Site no. : 1# 966 Chamber Data no. : 57
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5300MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5300.00	32.46	3.59	81.75	83.22	68.20	-15.02	Peak
2	10600.00	39.51	6.04	38.79	49.96	68.20	18.24	Peak
3	11336.00	39.90	6.14	40.15	51.59	74.00	22.41	Peak
4	15144.00	40.75	6.71	39.13	52.05	68.20	16.15	Peak
5	15900.00	39.91	6.81	38.73	51.21	74.00	22.79	Peak
6	17303.00	43.34	7.72	36.13	52.82	68.20	15.38	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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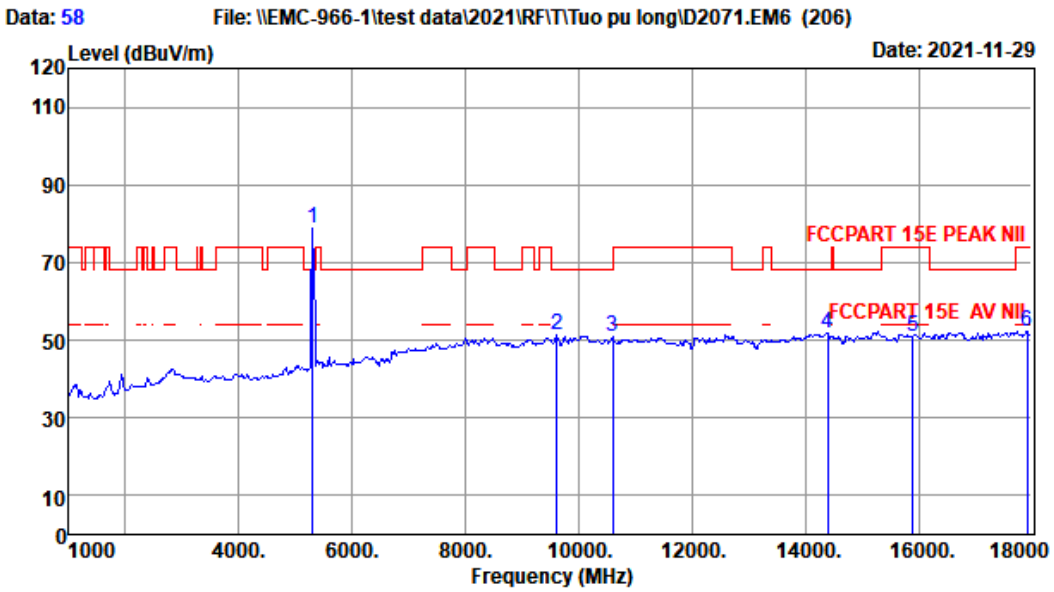

Site no. : 1# 966 Chamber Data no. : 58
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5300MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5300.00	32.46	3.59	77.38	78.85	68.20	-10.65	Peak
2	9619.00	38.14	5.59	41.74	51.19	68.20	17.01	Peak
3	10600.00	39.51	6.04	39.55	50.72	68.20	17.48	Peak
4	14396.00	41.02	6.82	38.45	51.87	68.20	16.33	Peak
5	15900.00	39.91	6.81	38.59	51.07	74.00	22.93	Peak
6	17915.00	48.22	8.18	30.32	52.41	74.00	21.59	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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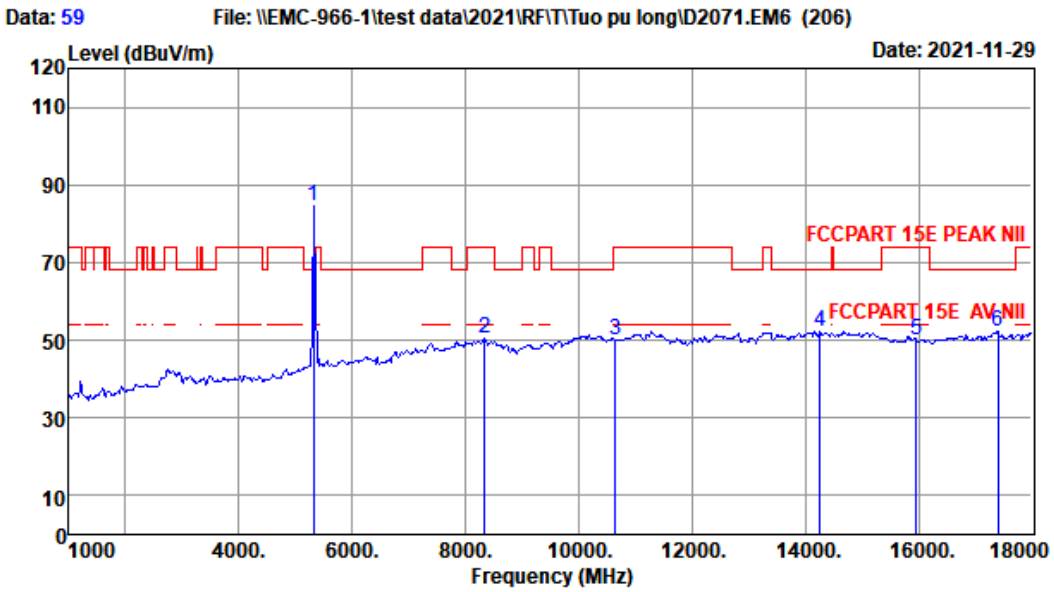

Site no. : 1# 966 Chamber Data no. : 59
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5320MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5320.00	32.50	3.60	83.02	84.55	68.20	-16.35	Peak
2	8344.00	36.90	5.39	42.94	50.50	74.00	23.50	Peak
3	10640.00	39.54	6.04	39.01	50.20	74.00	23.80	Peak
4	14260.00	41.05	6.72	39.03	52.42	68.20	15.78	Peak
5	15960.00	39.84	6.88	37.44	49.95	74.00	24.05	Peak
6	17405.00	44.15	7.82	34.76	52.37	68.20	15.83	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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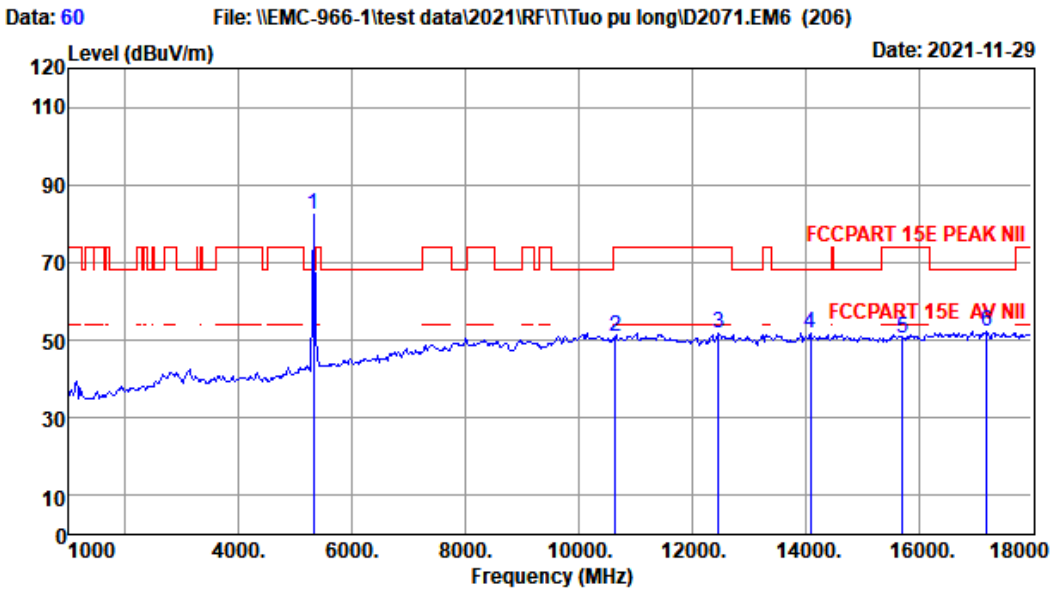

Site no. : 1# 966 Chamber Data no. : 60
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5320MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5320.00	32.50	3.60	80.85	82.38	68.20	-14.18	Peak
2	10640.00	39.54	6.04	39.58	50.77	74.00	23.23	Peak
3	12475.00	39.66	6.20	40.42	51.67	74.00	22.33	Peak
4	14090.00	41.08	6.59	38.38	51.72	68.20	16.48	Peak
5	15720.00	40.10	6.65	38.14	50.58	74.00	23.42	Peak
6	17201.00	42.53	7.62	36.47	52.24	68.20	15.96	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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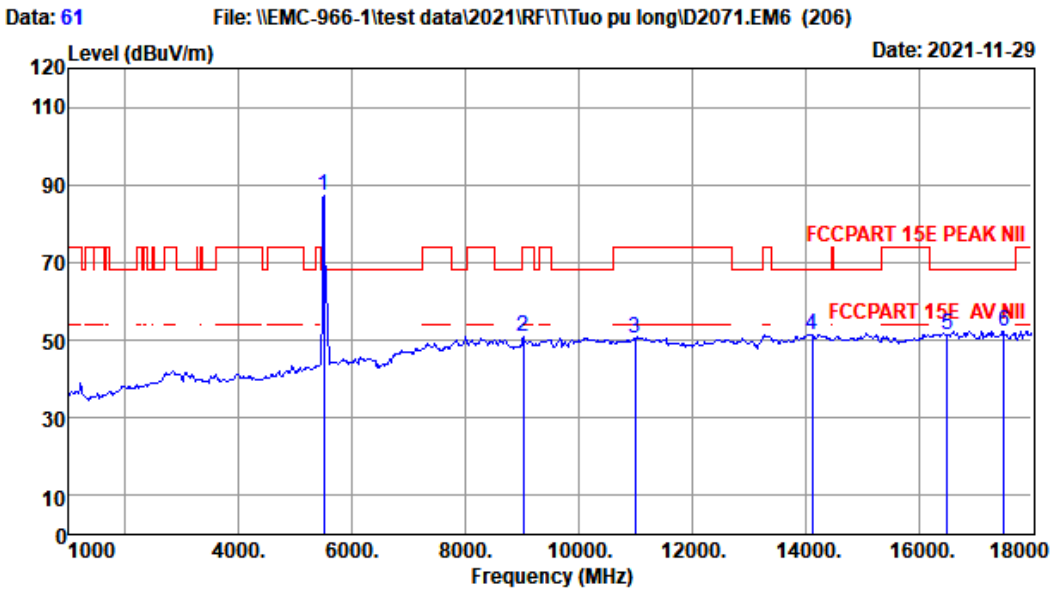

Site no. : 1# 966 Chamber Data no. : 61
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5500MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5500.00	32.90	3.71	84.97	87.08	68.20	-18.88	Peak
2	9024.00	36.93	5.30	43.02	50.85	74.00	23.15	Peak
3	11000.00	39.90	6.11	38.96	50.47	74.00	23.53	Peak
4	14124.00	41.08	6.62	38.11	51.47	68.20	16.73	Peak
5	16500.00	40.36	7.12	38.22	51.40	68.20	16.80	Peak
6	17507.00	44.97	7.92	33.82	52.36	68.20	15.84	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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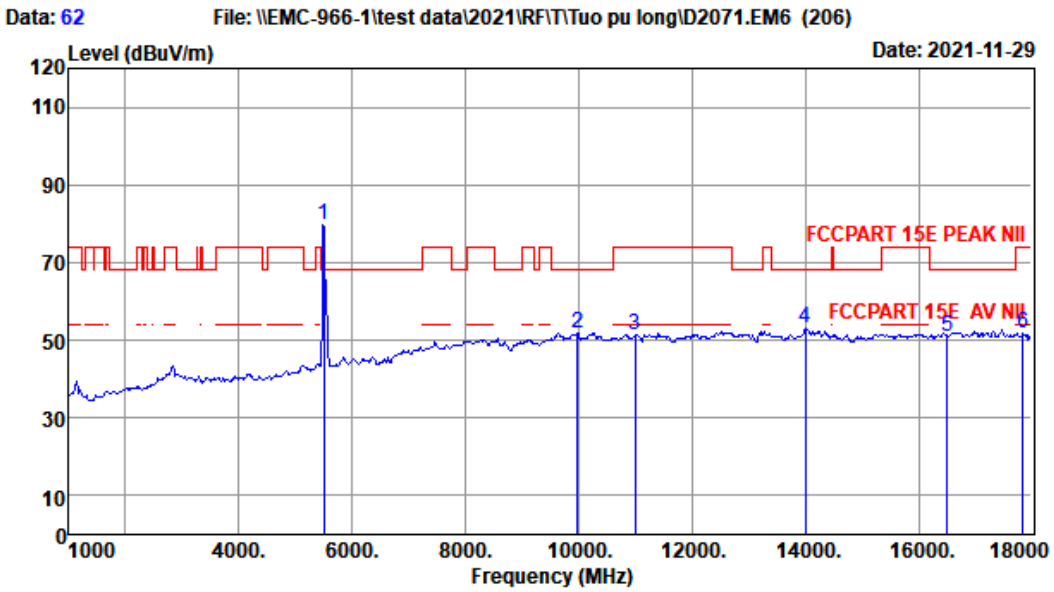

Site no. : 1# 966 Chamber Data no. : 62
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5500MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5500.00	32.90	3.71	77.57	79.68	68.20	-11.48	Peak
2	9976.00	38.87	5.88	41.42	51.97	68.20	16.23	Peak
3	11000.00	39.90	6.11	39.70	51.21	74.00	22.79	Peak
4	14005.00	41.10	6.53	39.68	53.01	68.20	15.19	Peak
5	16500.00	40.36	7.12	37.75	50.93	68.20	17.27	Peak
6	17847.00	47.68	8.14	30.43	51.93	74.00	22.07	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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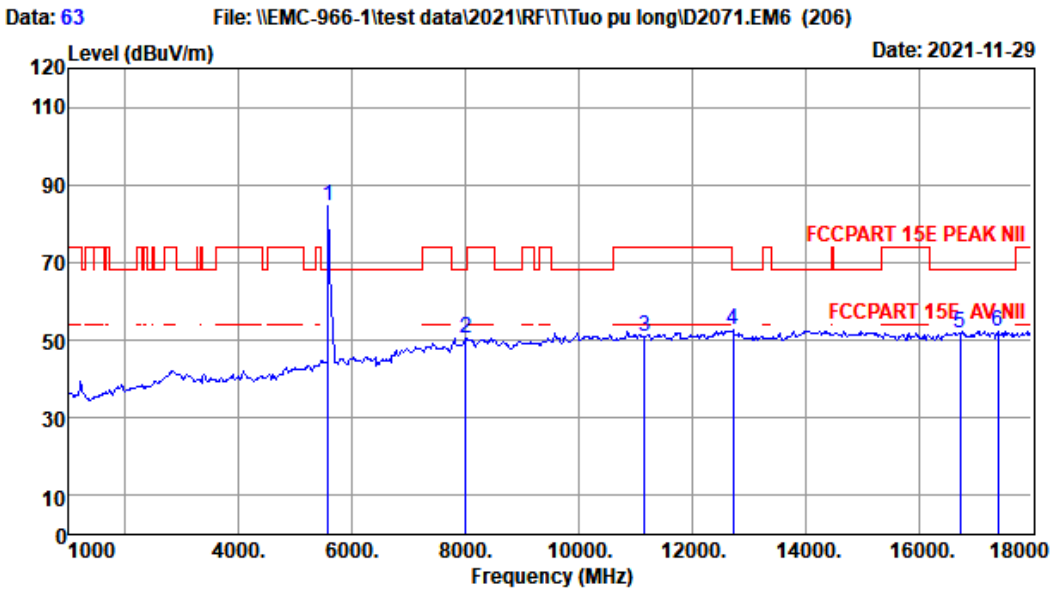

Site no. : 1# 966 Chamber Data no. : 63
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5580MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5580.00	32.89	3.79	82.25	84.46	68.20	-16.26	Peak
2	8004.00	36.90	5.82	42.60	50.42	68.20	17.78	Peak
3	11160.00	39.90	6.12	39.36	50.83	74.00	23.17	Peak
4	12730.00	39.54	6.24	41.30	52.57	68.20	15.63	Peak
5	16740.00	40.62	7.26	38.37	51.90	68.20	16.30	Peak
6	17405.00	44.15	7.82	34.72	52.33	68.20	15.87	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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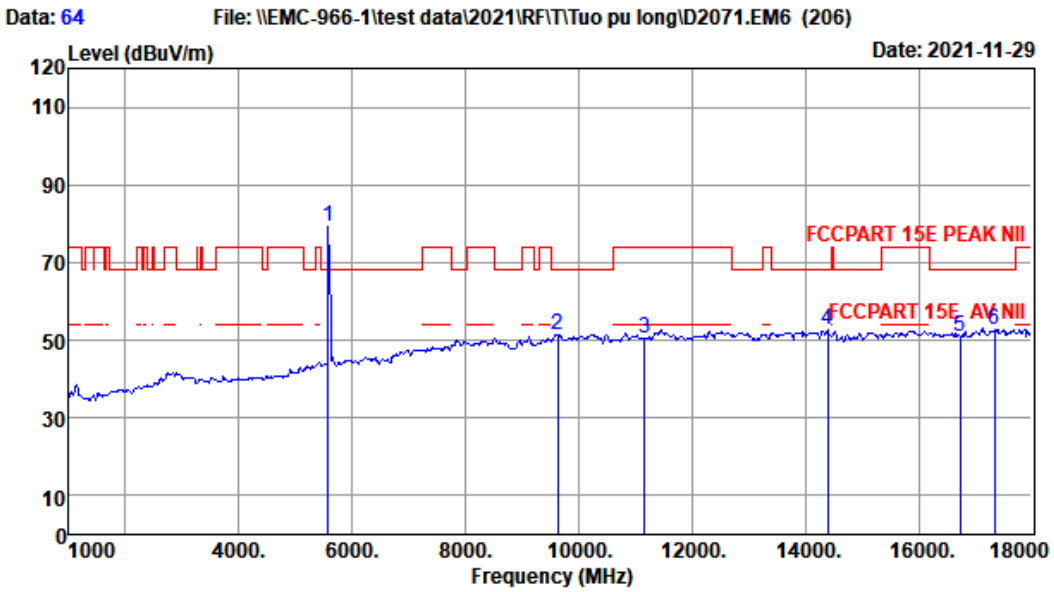

Site no. : 1# 966 Chamber Data no. : 64
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5580MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5580.00	32.89	3.79	77.15	79.36	68.20	-11.16	Peak
2	9636.00	38.18	5.61	41.94	51.46	68.20	16.74	Peak
3	11160.00	39.90	6.12	39.00	50.47	74.00	23.53	Peak
4	14396.00	41.02	6.82	39.10	52.52	68.20	15.68	Peak
5	16740.00	40.62	7.26	37.50	51.03	68.20	17.17	Peak
6	17337.00	43.61	7.75	35.84	52.83	68.20	15.37	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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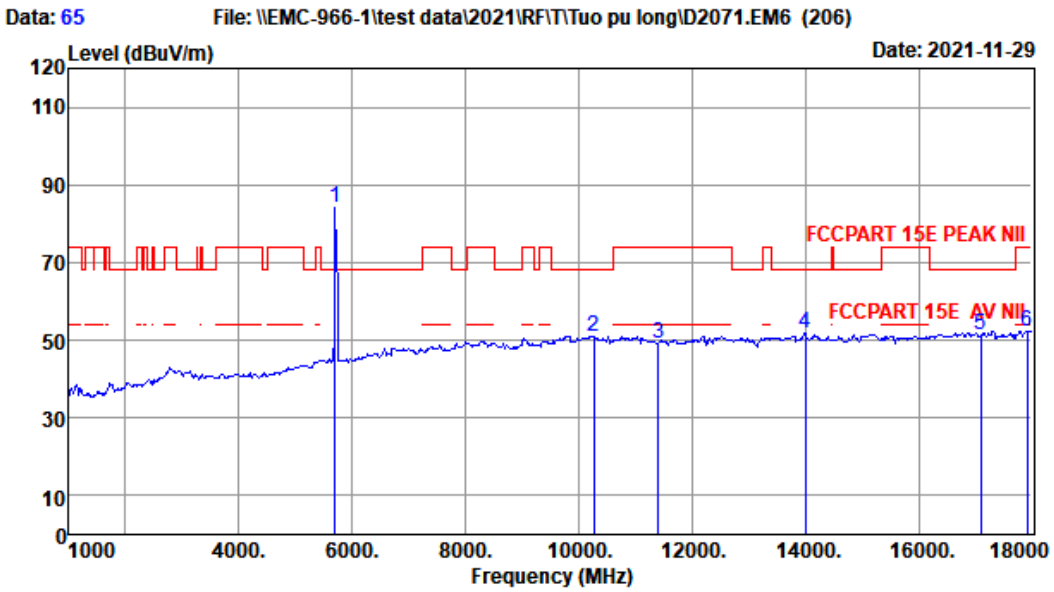

Site no. : 1# 966 Chamber Data no. : 65
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5700MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5700.00	32.86	3.94	81.65	84.03	68.20	-15.83	Peak
2	10265.00	39.17	5.96	39.99	50.84	68.20	17.36	Peak
3	11400.00	39.90	6.14	37.88	49.30	74.00	24.70	Peak
4	14005.00	41.10	6.53	38.58	51.91	68.20	16.29	Peak
5	17100.00	41.71	7.52	36.71	51.55	68.20	16.65	Peak
6	17915.00	48.22	8.18	30.38	52.47	74.00	21.53	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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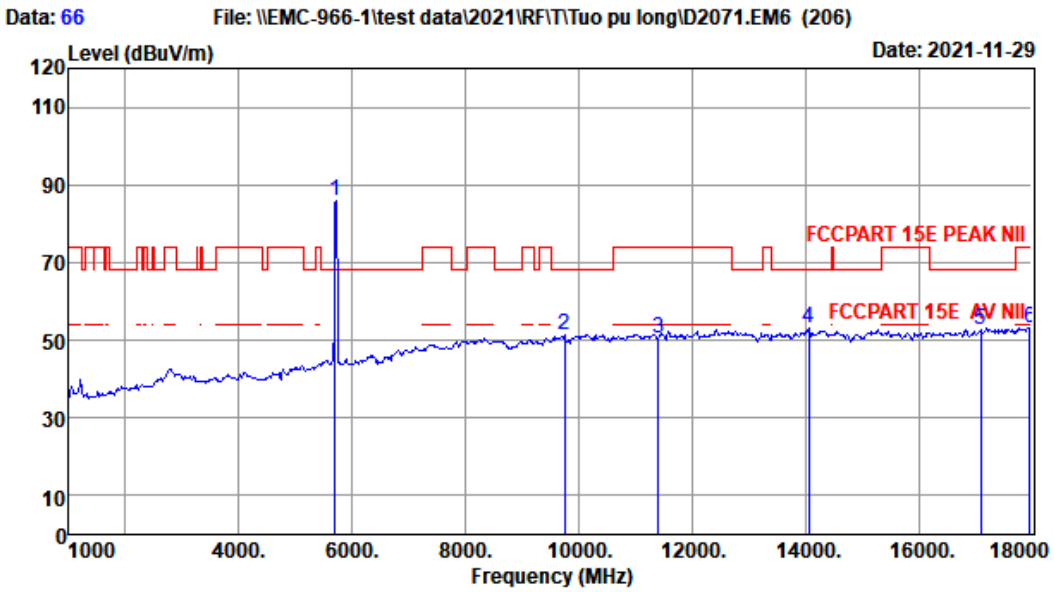

Site no. : 1# 966 Chamber Data no. : 66
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5700MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5700.00	32.86	3.94	83.60	85.98	68.20	-17.78	Peak
2	9755.00	38.42	5.70	41.55	51.42	68.20	16.78	Peak
3	11400.00	39.90	6.14	39.09	50.51	74.00	23.49	Peak
4	14056.00	41.09	6.57	39.65	52.99	68.20	15.21	Peak
5	17100.00	41.71	7.52	37.77	52.61	68.20	15.59	Peak
6	17966.00	48.63	8.22	30.67	53.22	74.00	20.78	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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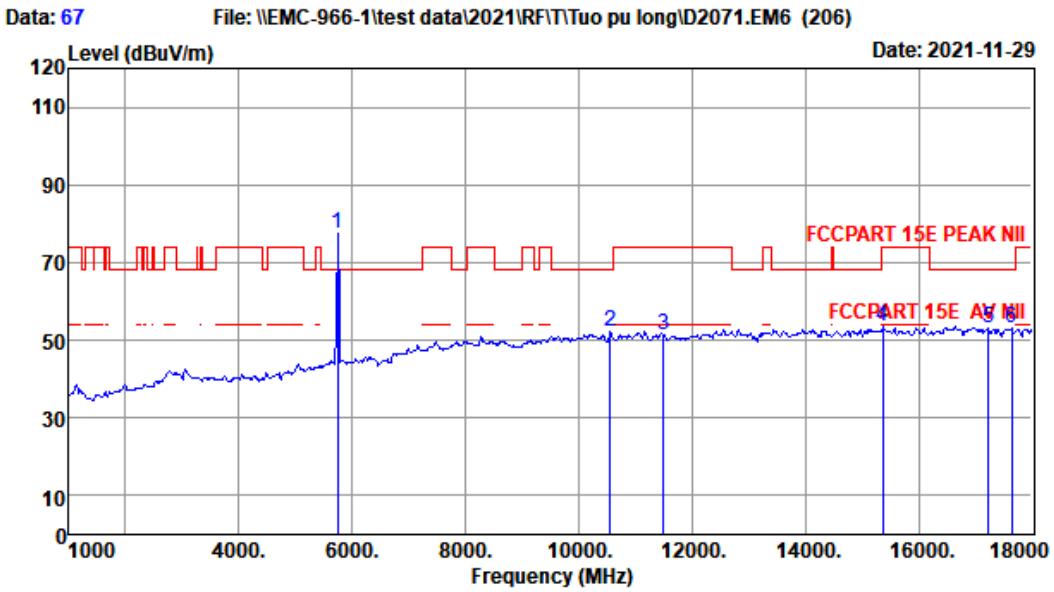

Site no. : 1# 966 Chamber Data no. : 67
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5745MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5745.00	32.85	4.00	75.08	77.53	68.20	-9.33	Peak
2	10554.00	39.46	6.03	41.01	52.13	68.20	16.07	Peak
3	11490.00	39.90	6.15	40.07	51.47	74.00	22.53	Peak
4	15365.00	40.50	6.53	40.84	53.41	74.00	20.59	Peak
5	17235.00	42.80	7.65	37.11	53.18	68.20	15.02	Peak
6	17643.00	46.05	8.01	33.43	53.15	68.20	15.05	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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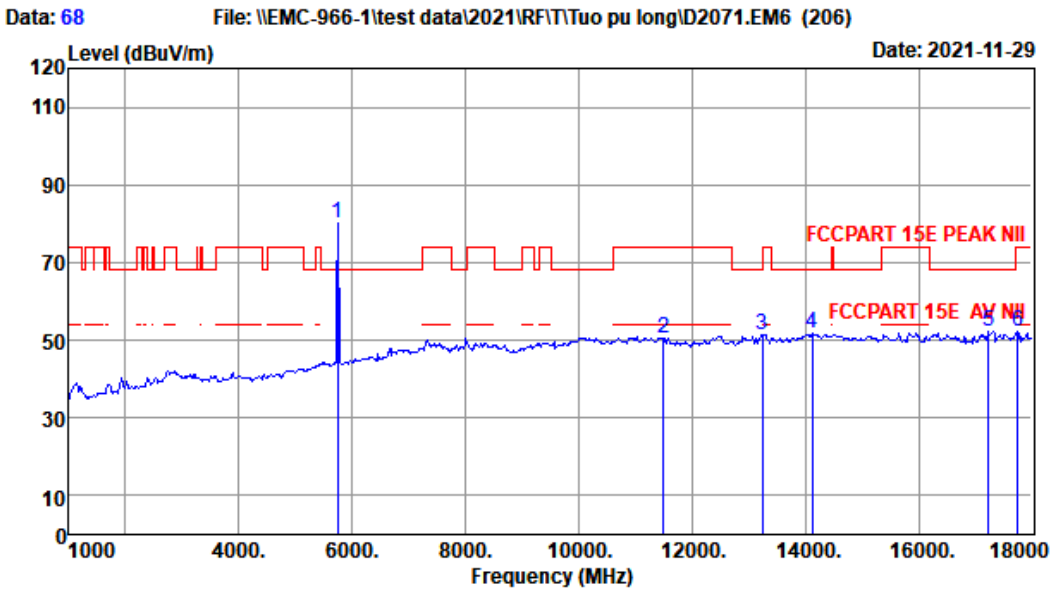

Site no. : 1# 966 Chamber Data no. : 68
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5745MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5745.00	32.85	4.00	77.76	80.21	68.20	-12.01	Peak
2	11490.00	39.90	6.15	39.00	50.40	74.00	23.60	Peak
3	13240.00	39.80	6.30	39.79	51.51	68.20	16.69	Peak
4	14124.00	41.08	6.62	38.31	51.67	68.20	16.53	Peak
5	17235.00	42.80	7.65	36.01	52.08	68.20	16.12	Peak
6	17745.00	46.87	8.07	31.44	52.05	74.00	21.95	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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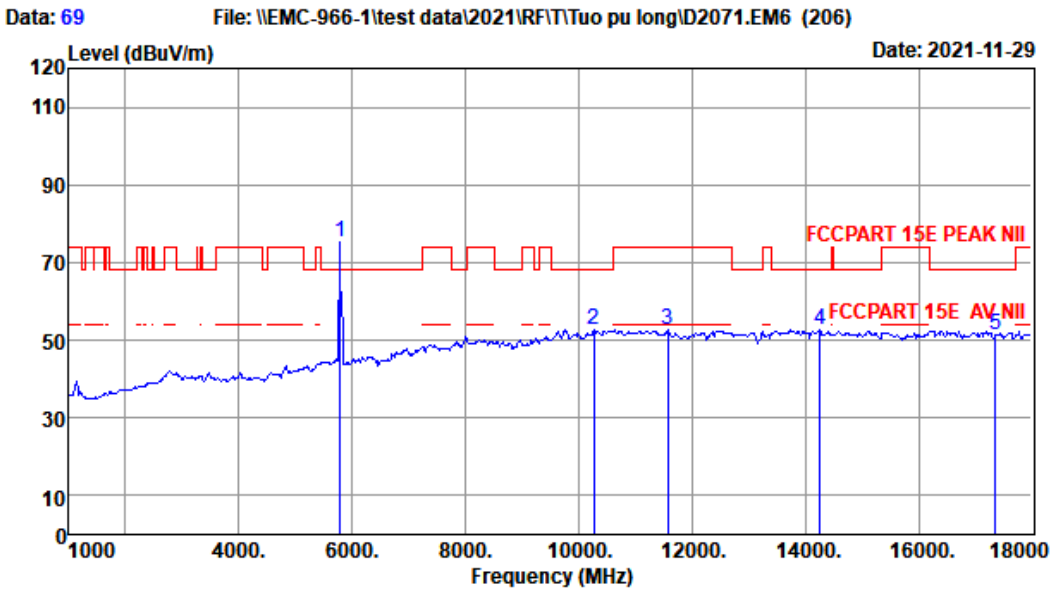

Site no. : 1# 966 Chamber Data no. : 69
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5785MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5785.00	32.84	4.05	72.65	75.15	68.20	-6.95	Peak
2	10265.00	39.17	5.96	41.98	52.83	68.20	15.37	Peak
3	11570.00	39.90	6.12	41.54	52.89	74.00	21.11	Peak
4	14260.00	41.05	6.72	39.45	52.84	68.20	15.36	Peak
5	17355.00	43.75	7.77	34.16	51.32	68.20	16.88	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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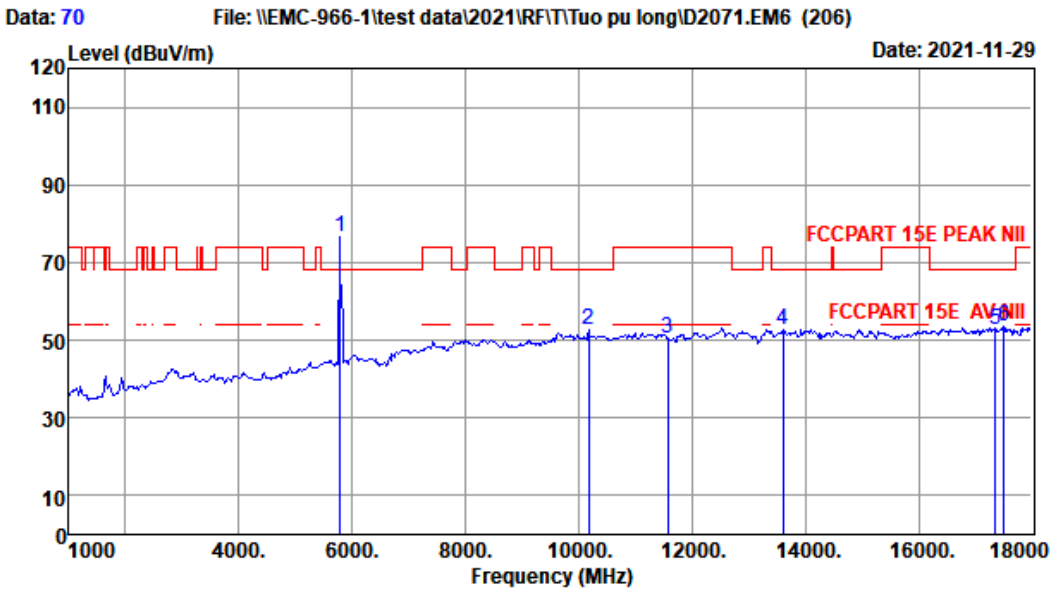

Site no. : 1# 966 Chamber Data no. : 70
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5785MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5785.00	32.84	4.05	74.00	76.50	68.20	-8.30	Peak
2	10180.00	39.09	5.94	41.83	52.60	68.20	15.60	Peak
3	11570.00	39.90	6.12	38.98	50.33	74.00	23.67	Peak
4	13614.00	40.44	6.38	40.34	52.82	68.20	15.38	Peak
5	17355.00	43.75	7.77	35.52	52.68	68.20	15.52	Peak
6	17507.00	44.97	7.92	34.87	53.41	68.20	14.79	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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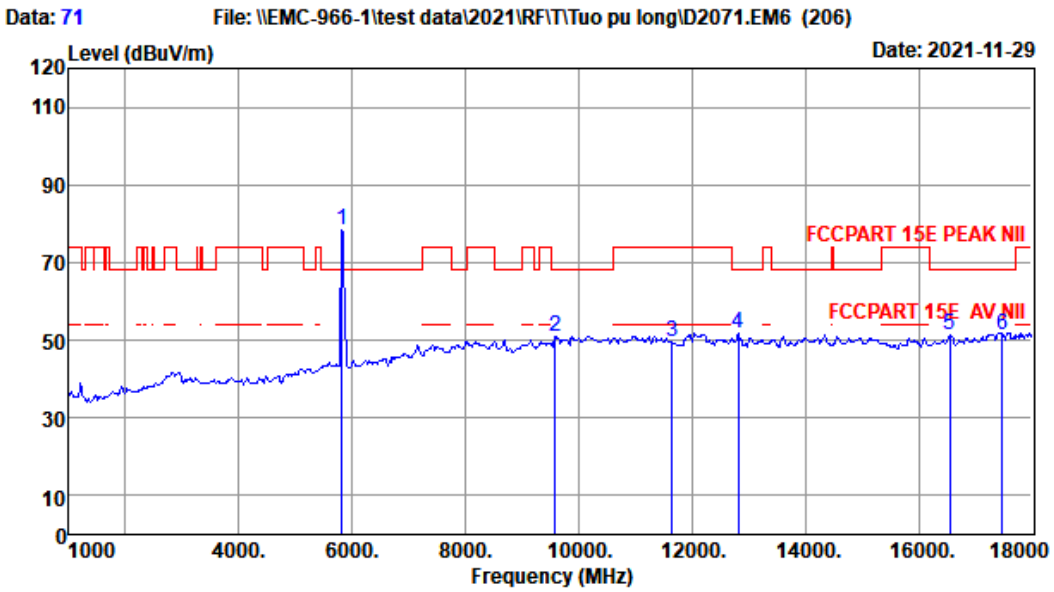

Site no. : 1# 966 Chamber Data no. : 71
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5825MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5825.00	32.83	4.11	75.75	78.32	68.20	-10.12	Peak
2	9585.00	38.07	5.57	41.64	51.00	68.20	17.20	Peak
3	11650.00	39.90	6.08	38.20	49.49	74.00	24.51	Peak
4	12815.00	39.49	6.25	40.35	51.62	68.20	16.58	Peak
5	16555.00	40.42	7.15	38.32	51.58	68.20	16.62	Peak
6	17475.00	44.70	7.89	33.24	51.48	68.20	16.72	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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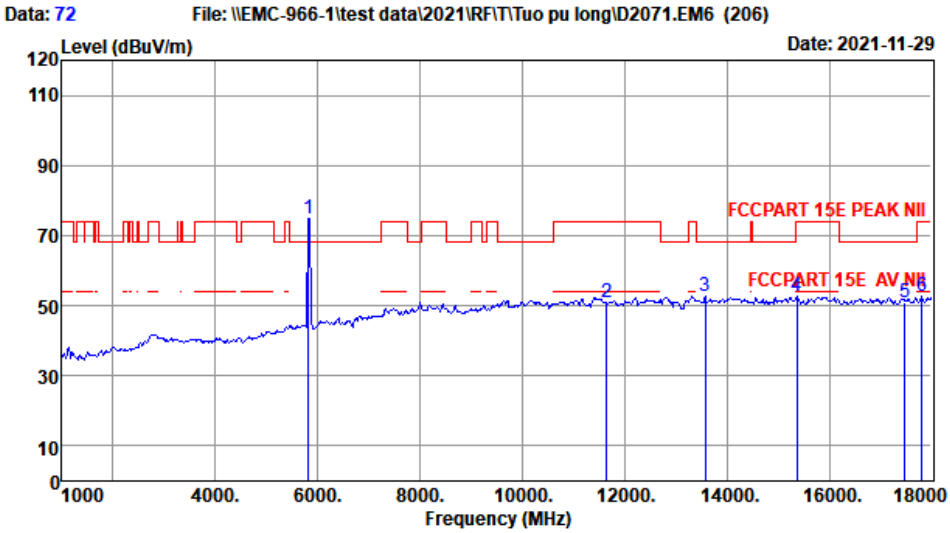

Site no. : 1# 966 Chamber Data no. : 72
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5825MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5825.00	32.83	4.11	72.35	74.92	68.20	-6.72	Peak
2	11650.00	39.90	6.08	39.51	50.80	74.00	23.20	Peak
3	13580.00	40.38	6.36	40.38	52.78	68.20	15.42	Peak
4	15365.00	40.50	6.53	40.14	52.71	74.00	21.29	Peak
5	17475.00	44.70	7.89	32.76	51.00	68.20	17.20	Peak
6	17813.00	47.41	8.12	31.28	52.49	74.00	21.51	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

Note:

1. The amplitude of 18GHz to 25GHz spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.
2. All test mode had been pre-test,only Low/Middle/High Channel of the worst case modulation mode was reported.

Radiated Band Edge

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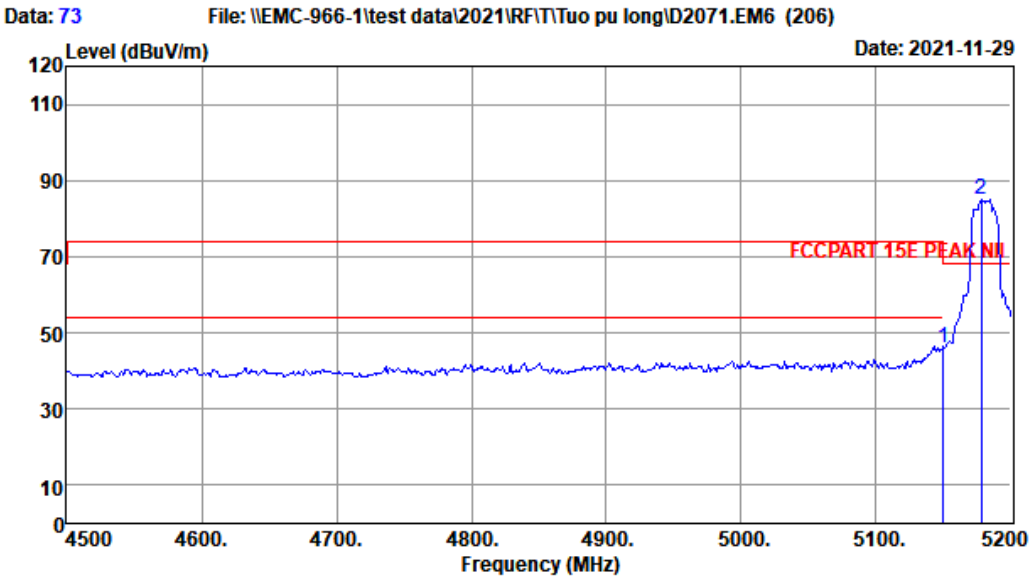

Site no. : 1# 966 Chamber Data no. : 73
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5180MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.13	3.50	45.25	46.24	68.20	21.96	Peak
2	5177.60	32.20	3.52	84.10	85.19	68.20	-16.99	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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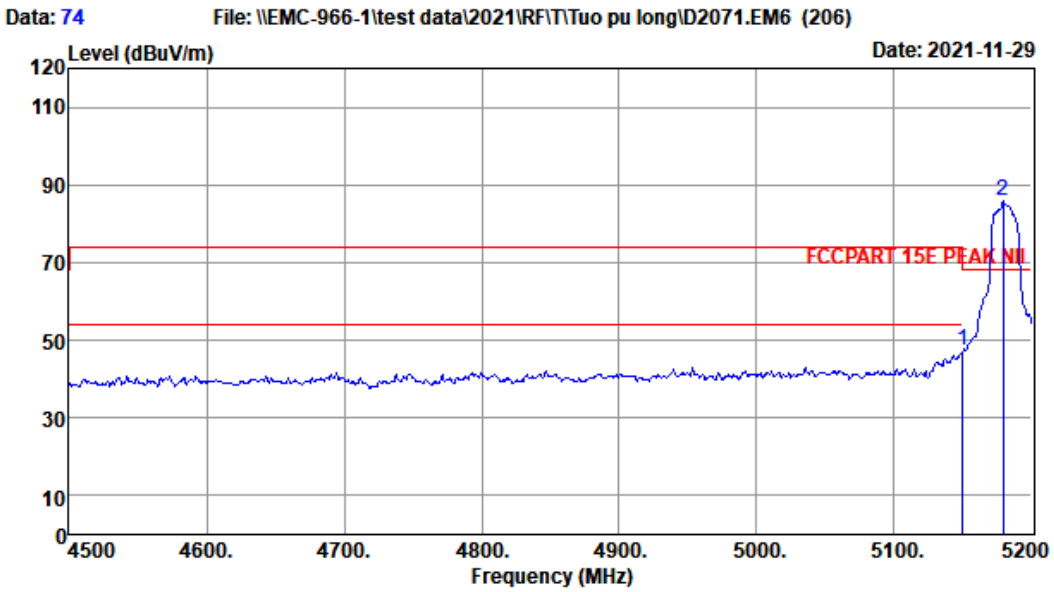

Site no. : 1# 966 Chamber Data no. : 74
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5180MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.13	3.50	46.36	47.35	68.20	20.85	Peak
2	5179.00	32.20	3.52	84.74	85.83	68.20	-17.63	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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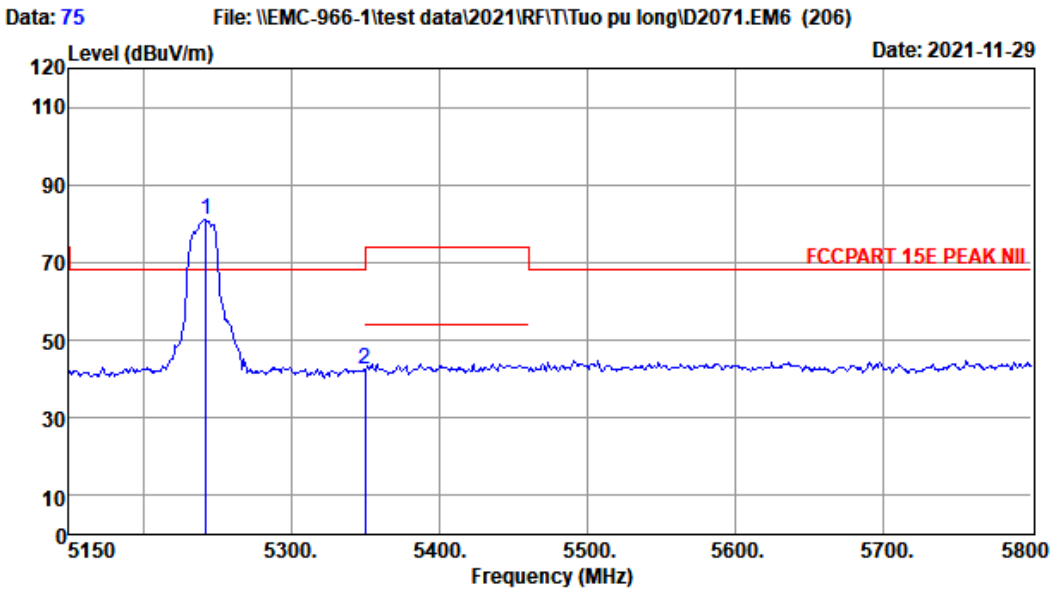

Site no. : 1# 966 Chamber Data no. : 75
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5240MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5242.30	32.35	3.56	79.60	80.91	68.20	-12.71	Peak
2	5350.00	32.57	3.62	40.77	42.40	68.20	25.80	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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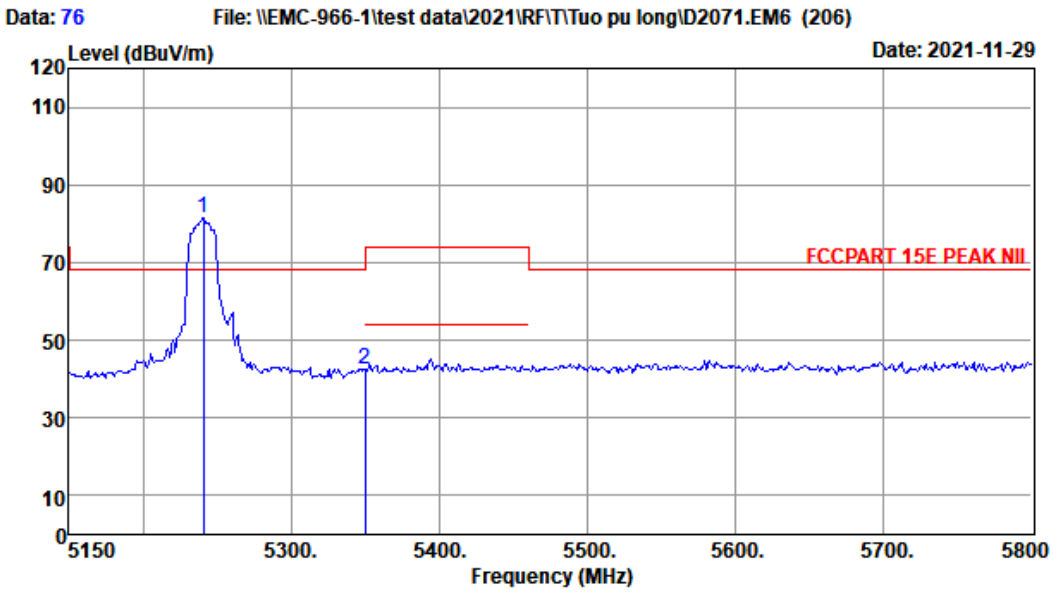

Site no. : 1# 966 Chamber Data no. : 76
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5240MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5241.00	32.31	3.55	80.35	81.60	68.20	-13.40	Peak
2	5350.00	32.57	3.62	41.04	42.67	68.20	25.53	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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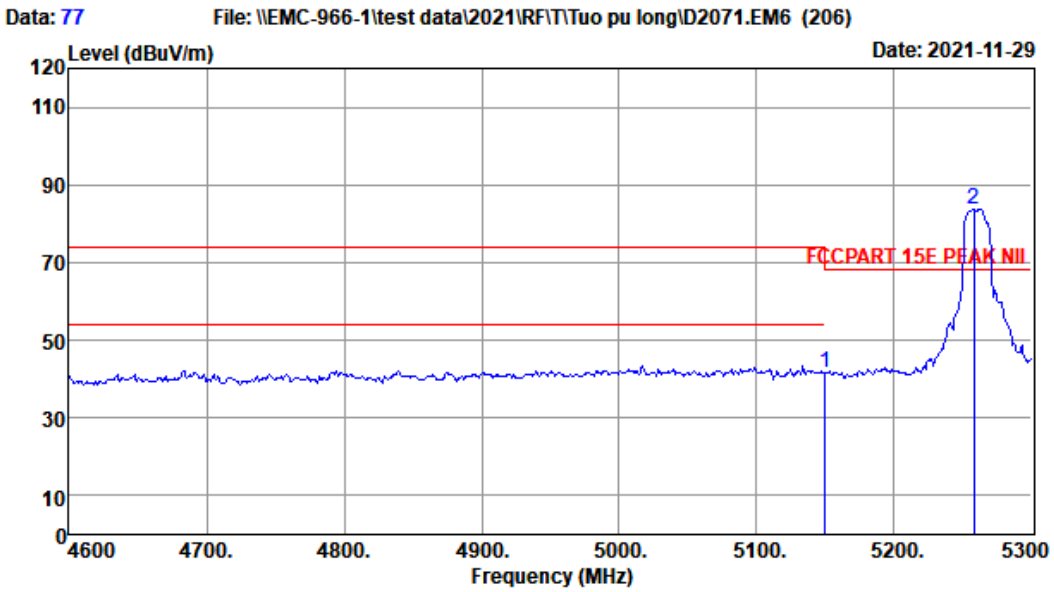

Site no. : 1# 966 Chamber Data no. : 77
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5260MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.13	3.50	40.54	41.53	68.20	26.67	Peak
2	5258.00	32.35	3.56	82.38	83.69	68.20	-15.49	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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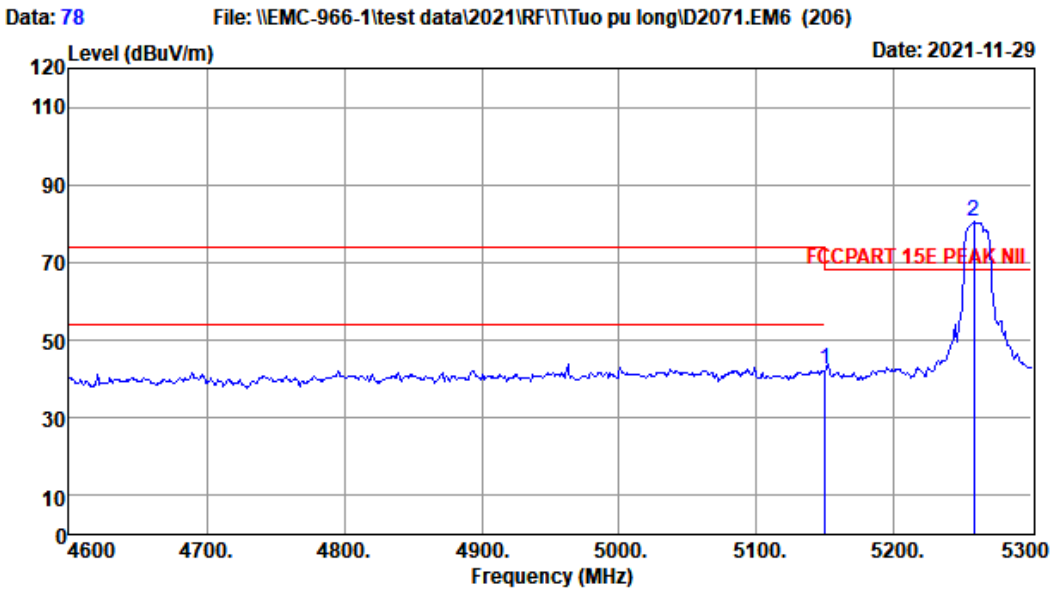

Site no. : 1# 966 Chamber Data no. : 78
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5260MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.13	3.50	41.52	42.51	68.20	25.69	Peak
2	5258.00	32.35	3.56	79.30	80.61	68.20	-12.41	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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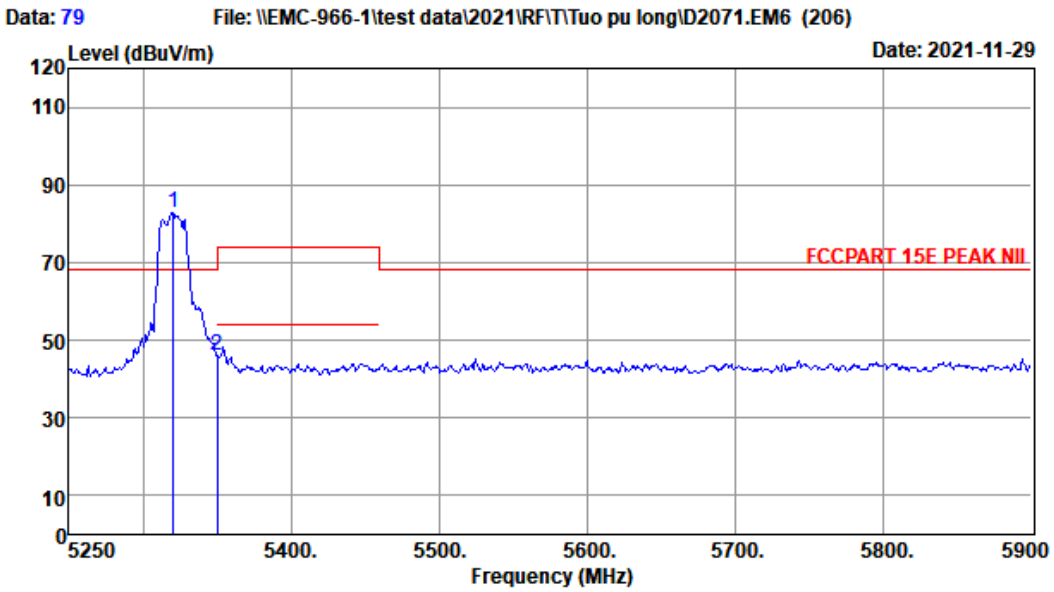

Site no. : 1# 966 Chamber Data no. : 79
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5320MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5320.20	32.50	3.60	81.42	82.95	68.20	-14.75	Peak
2	5350.00	32.57	3.62	44.21	45.84	68.20	22.36	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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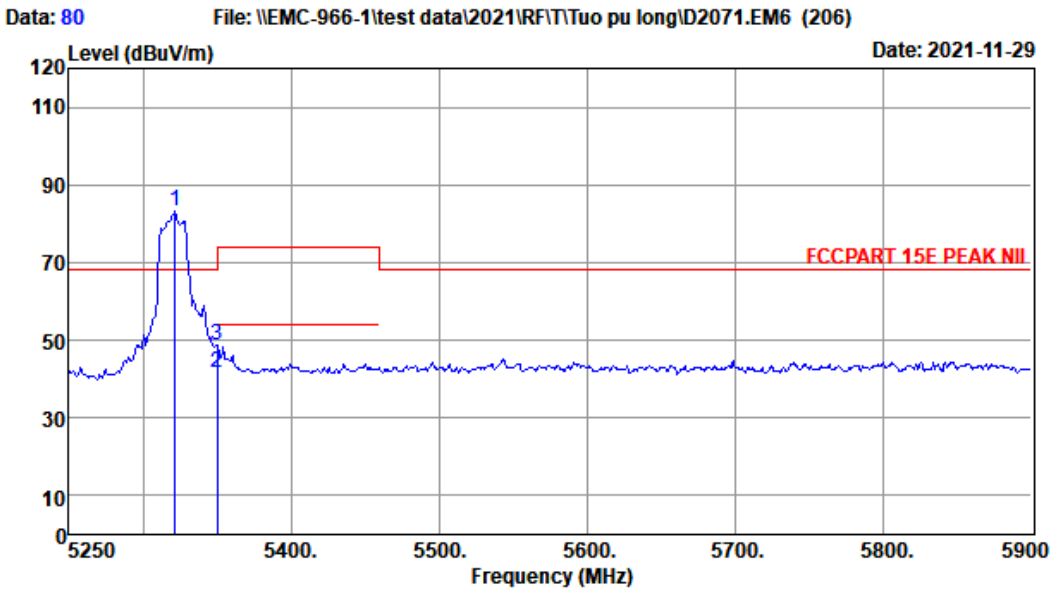

Site no. : 1# 966 Chamber Data no. : 80
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5320MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5321.50	32.50	3.60	81.52	83.05	68.20	-14.85	Peak
2	5350.00	32.57	3.62	39.95	41.58	48.20	6.62	Average
3	5350.00	32.57	3.62	46.90	48.53	68.20	19.67	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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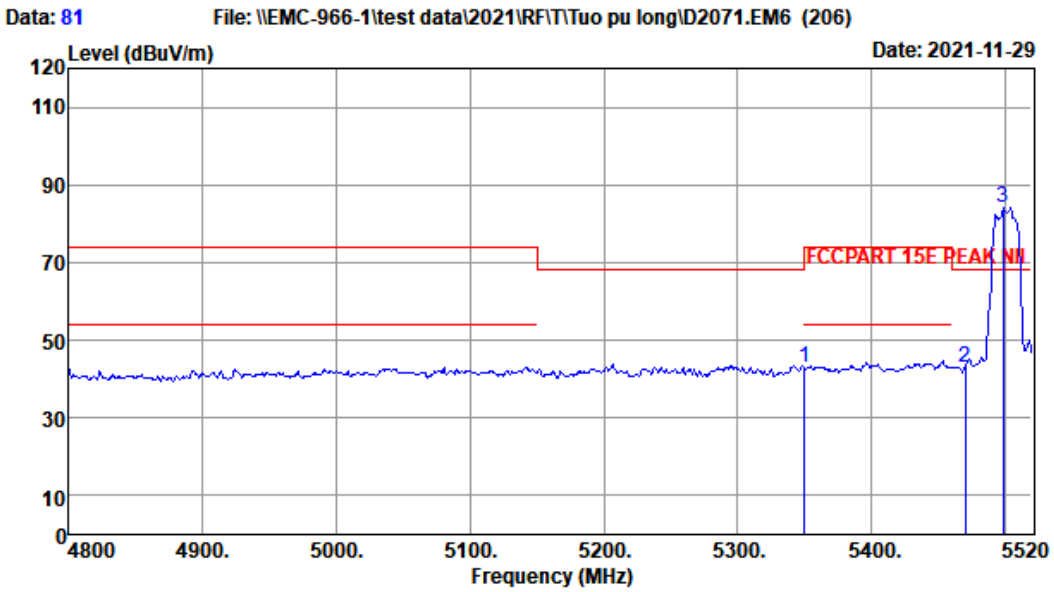

Site no. : 1# 966 Chamber Data no. : 81
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5500MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.00	32.57	3.62	41.18	42.81	68.20	25.39	Peak
2	5470.32	32.83	3.69	41.15	43.16	68.20	25.04	Peak
3	5498.40	32.90	3.71	81.87	83.98	68.20	-15.78	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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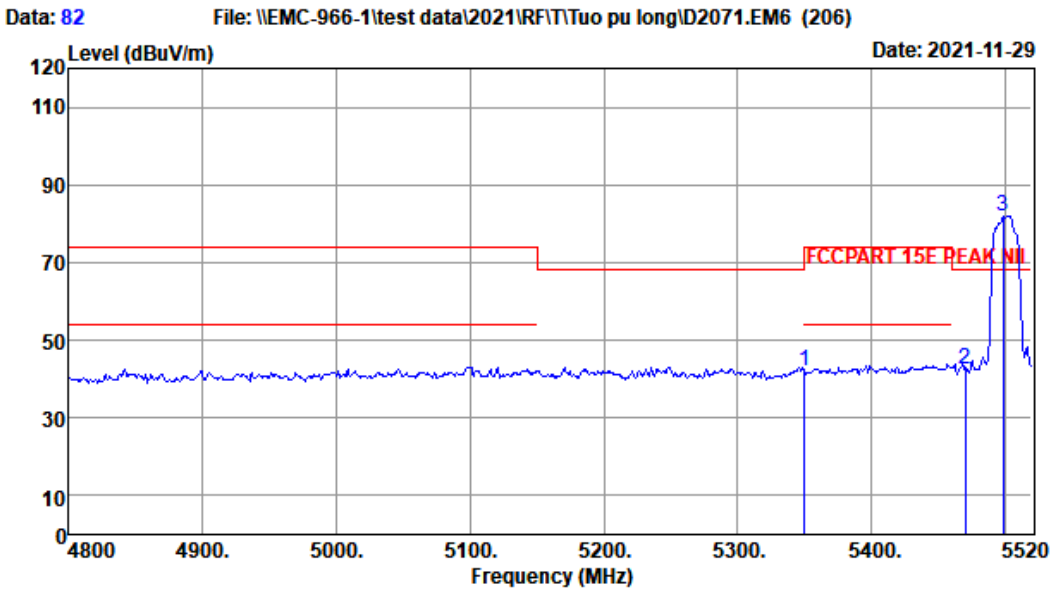

Site no. : 1# 966 Chamber Data no. : 82
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5500MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.00	32.57	3.62	40.27	41.90	68.20	26.30	Peak
2	5470.00	32.83	3.69	40.68	42.69	68.20	25.51	Peak
3	5498.40	32.90	3.71	79.89	82.00	68.20	-13.80	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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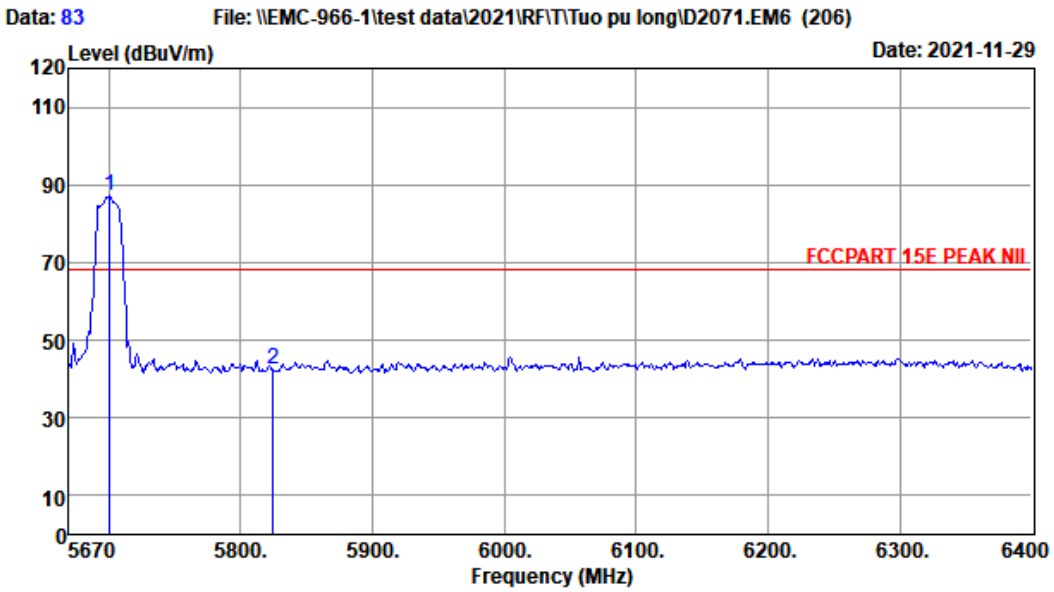

Site no. : 1# 966 Chamber Data no. : 83
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5700MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5700.66	32.86	3.96	84.89	87.29	68.20	-19.09	Peak
2	5825.00	32.83	4.11	39.91	42.48	68.20	25.72	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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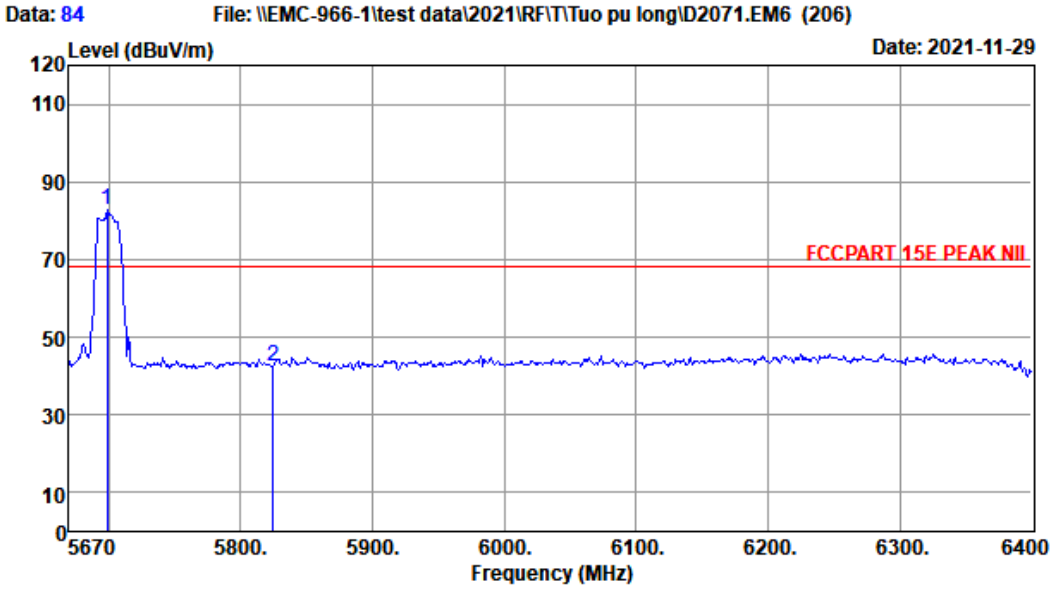

Site no. : 1# 966 Chamber Data no. : 84
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5700MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5699.20	32.86	3.94	80.38	82.76	68.20	-14.56	Peak
2	5825.00	32.83	4.11	40.03	42.60	68.20	25.60	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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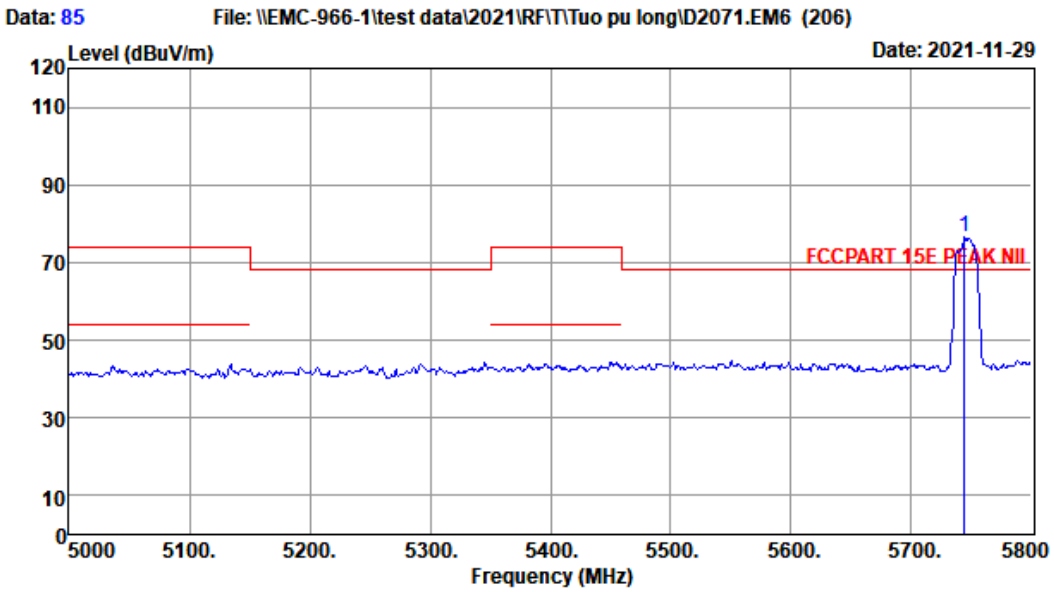

Site no. : 1# 966 Chamber Data no. : 85
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5745MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5744.00	32.85	4.00	73.98	76.43	68.20	-8.23	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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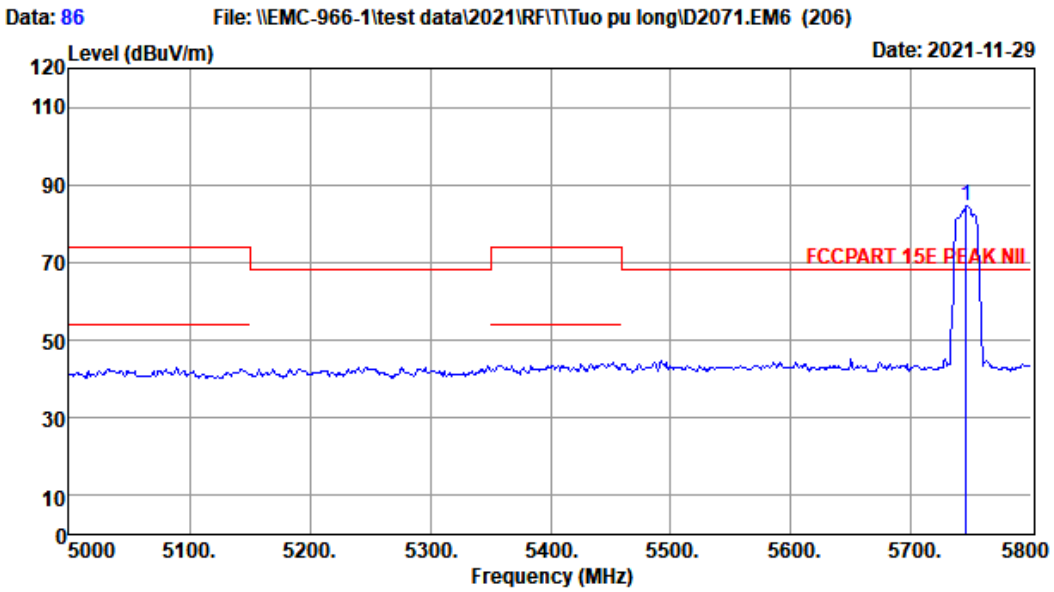

Site no. : 1# 966 Chamber Data no. : 86
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5745MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5745.60	32.85	4.00	82.23	84.68	68.20	-16.48	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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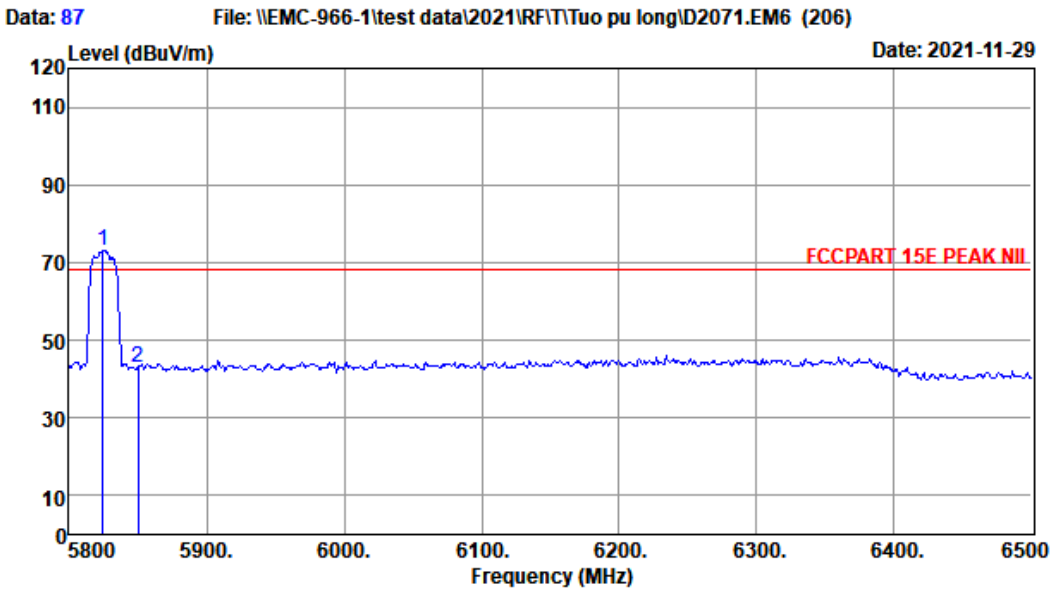

Site no. : 1# 966 Chamber Data no. : 87
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer : JBR
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : IEEE 802.11n HT20 TX 5825MHz

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5824.50	32.83	4.11	70.62	73.19	68.20	-4.99	Peak
2	5850.00	32.83	4.13	40.15	42.75	68.20	25.45	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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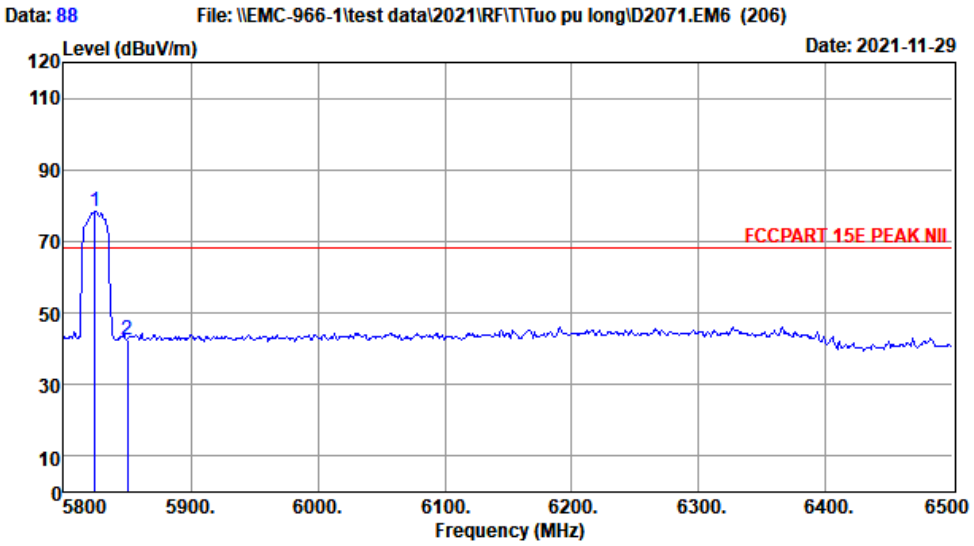


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Site no.      : 1# 966 Chamber              Data no.  : 88
Dis. / Ant.   : 3m   ANT9120D 1-18G         Ant. pol. : VERTICAL
Limit         : FCCPART 15E PEAK NII
Env. / Ins.   : Temp:21.7';Humi:50%;Press:101.52kPa
Engineer      : JBR
EUT           : Defunc HOME LARGE
Power         : DC 24V From Adapter Input AC 120V/60Hz
M/N           : D2071
Test Mode     : IEEE 802.11n HT20 TX 5825MHz
```

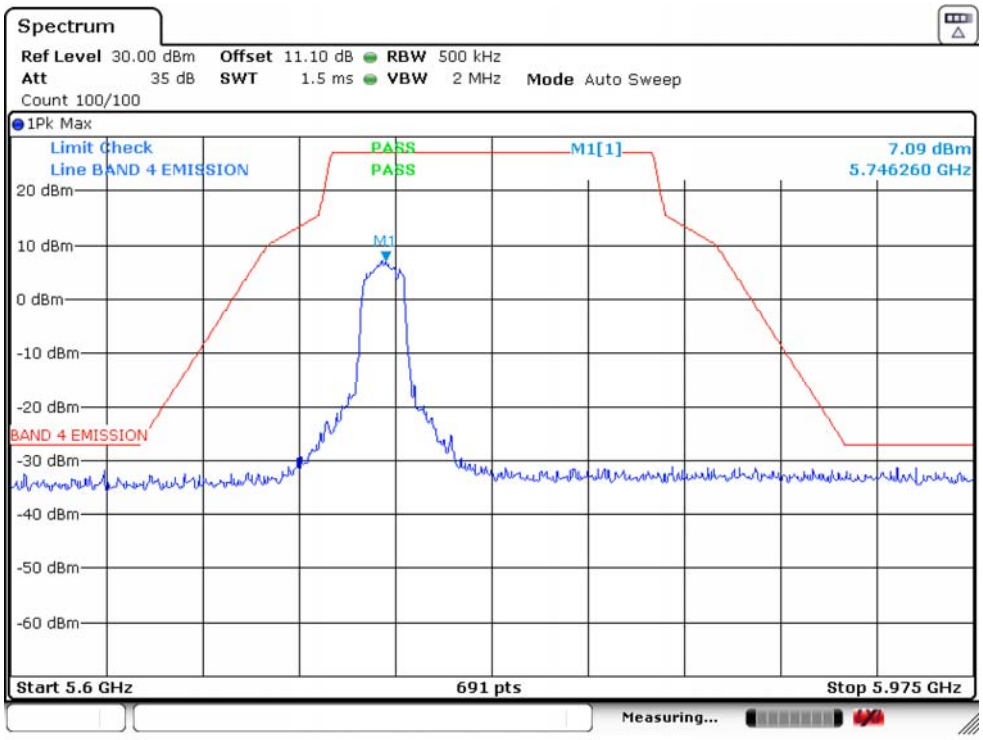
	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5824.50	32.83	4.11	75.94	78.51	68.20	-10.31	Peak
2	5850.00	32.83	4.13	40.05	42.65	68.20	25.55	Peak

```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. Margin= Limit - Emission Level.
         3. The emission levels that are 20dB below the official limit are not reported.
```

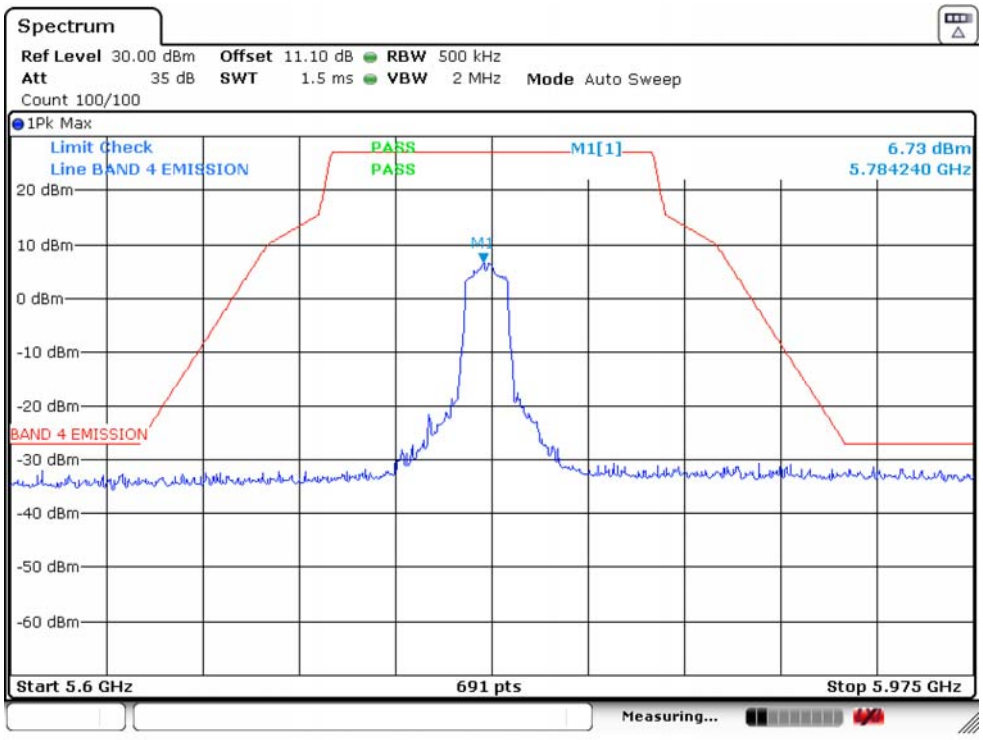
Note:

1. The amplitude of 18GHz to 40GHz spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.
2. All test mode had been pre-test, only Low/Middle/High Channel of the worst case modulation mode was reported

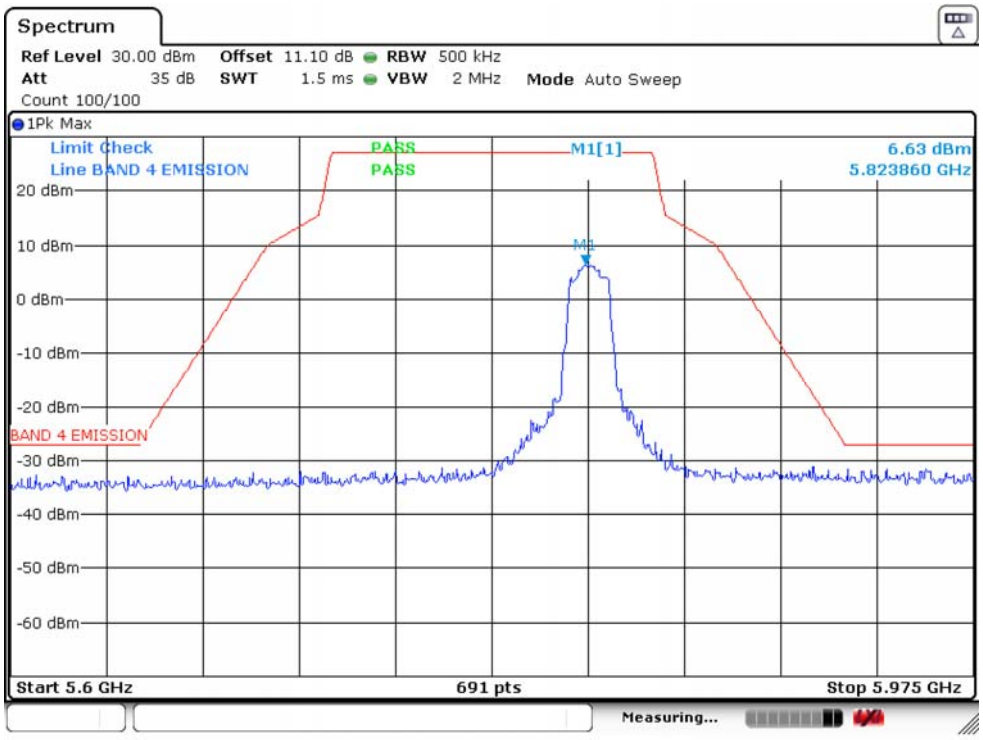
IEEE 802.11a 5745MHz



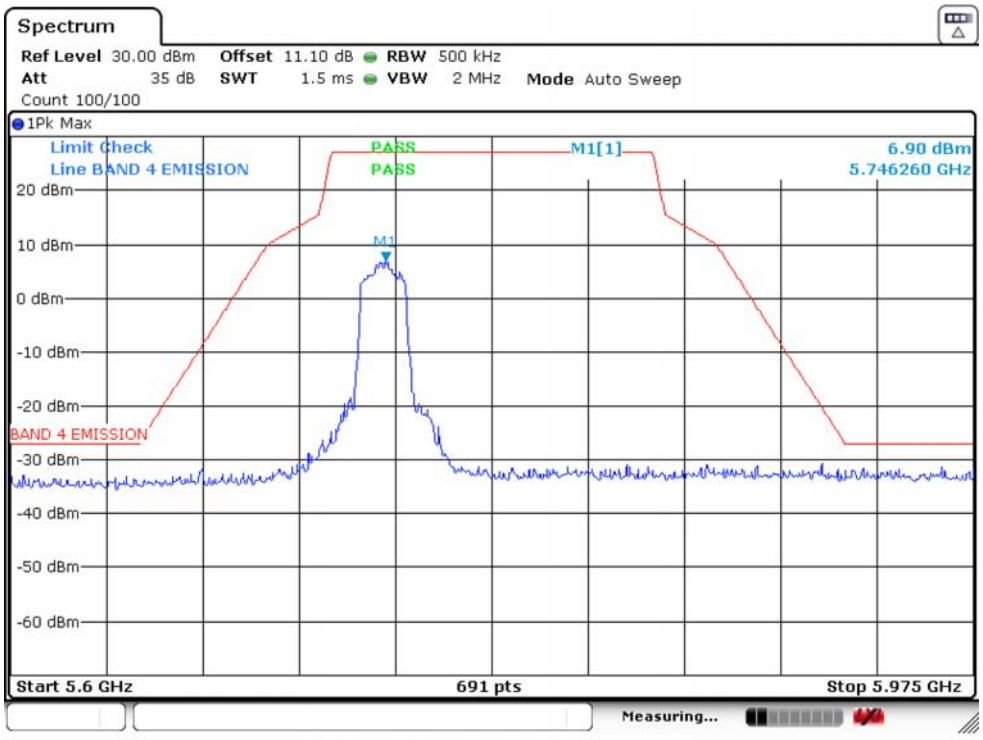
IEEE 802.11a 5785MHz



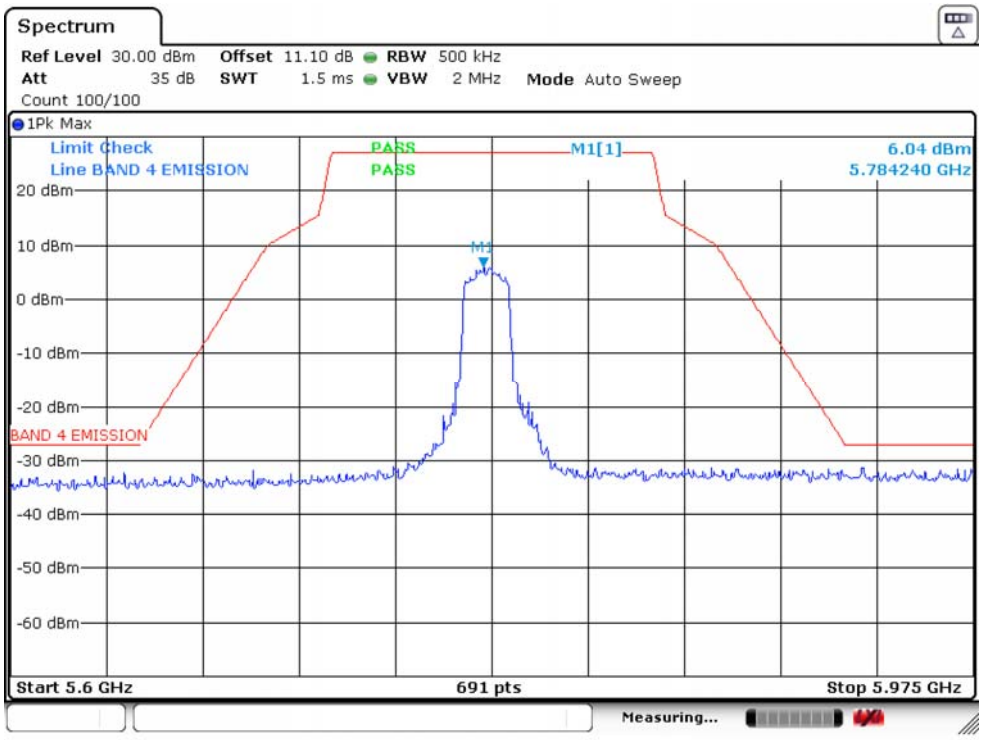
IEEE 802.11a 5825MHz



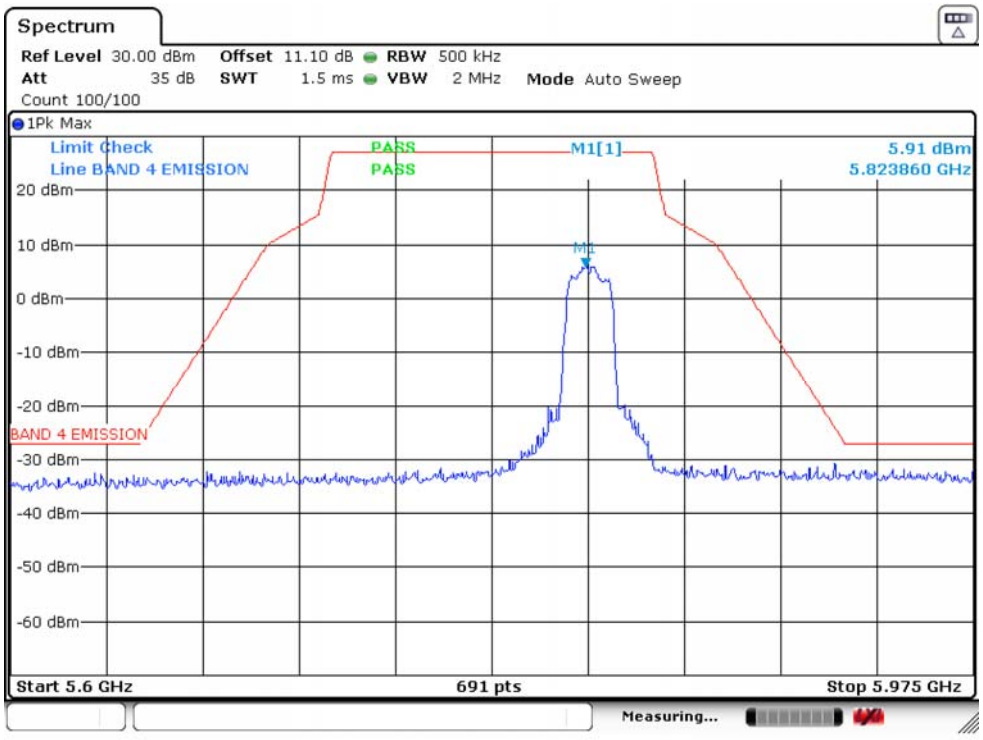
IEEE 802.11n HT20 5745MHz



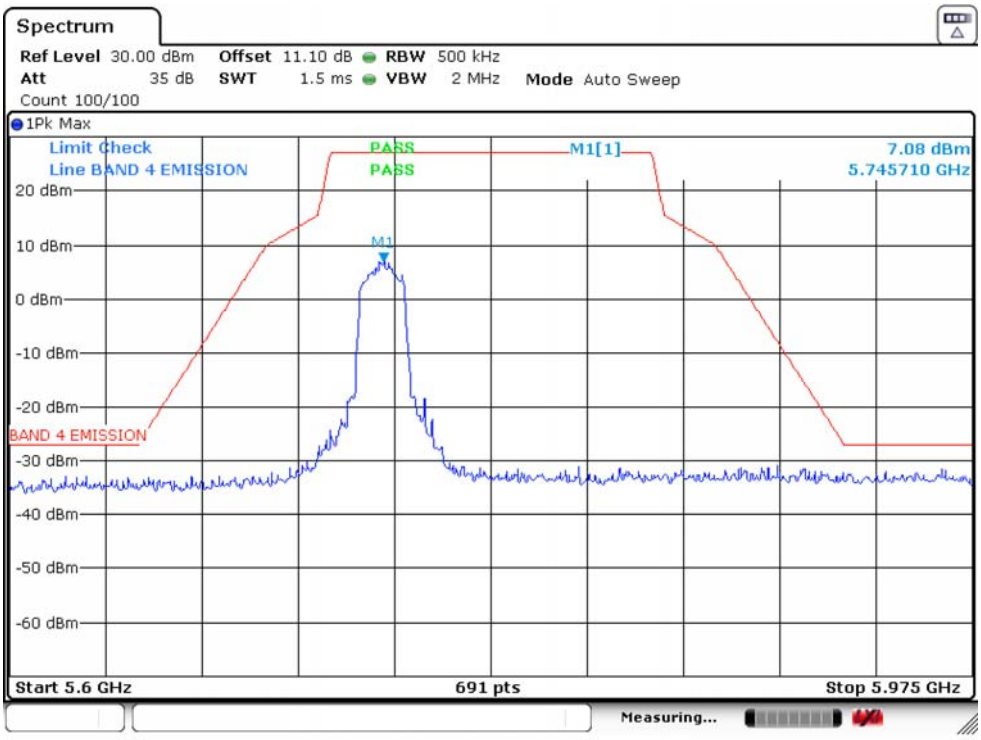
IEEE 802.11n HT20 5785MHz



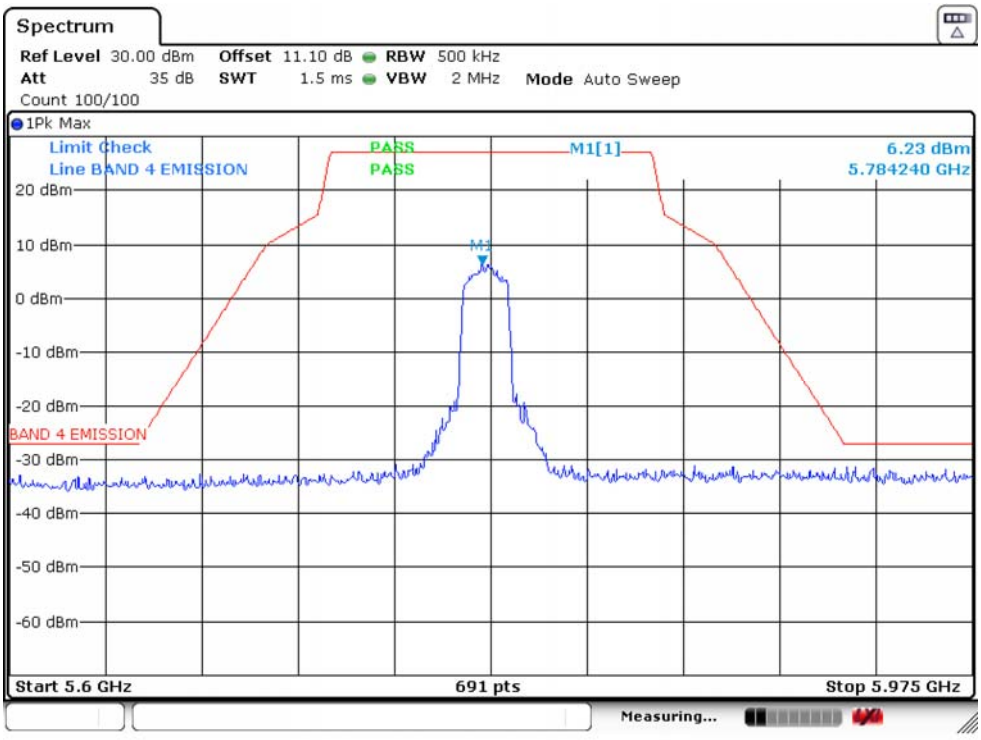
IEEE 802.11n HT20 5825MHz



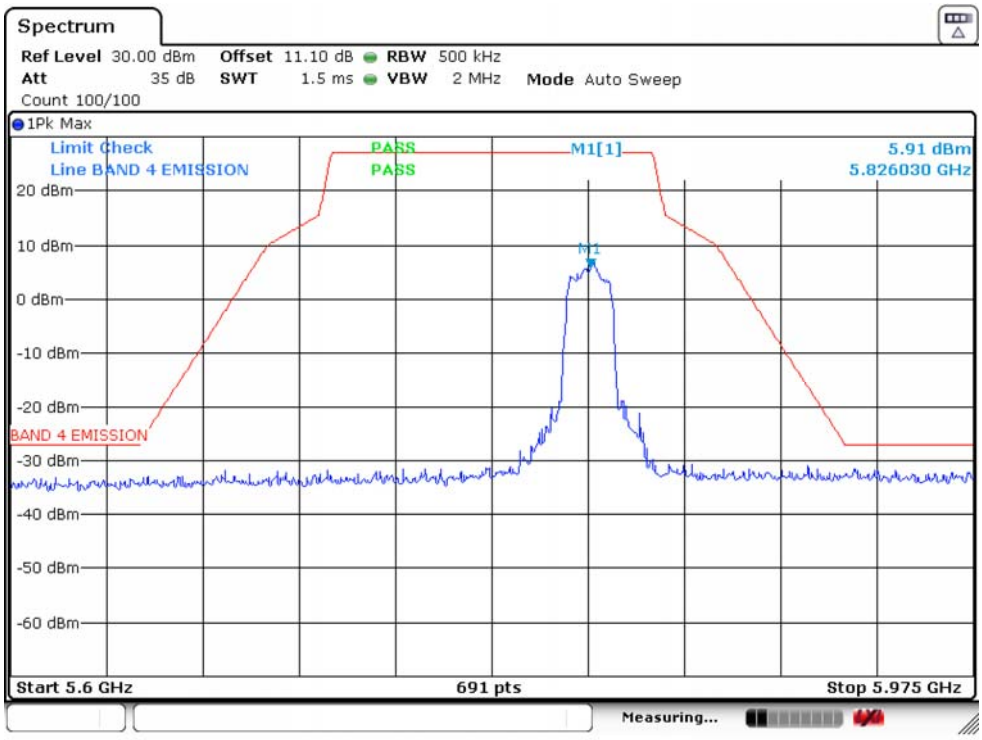
IEEE 802.11ac VHT20 5745MHz



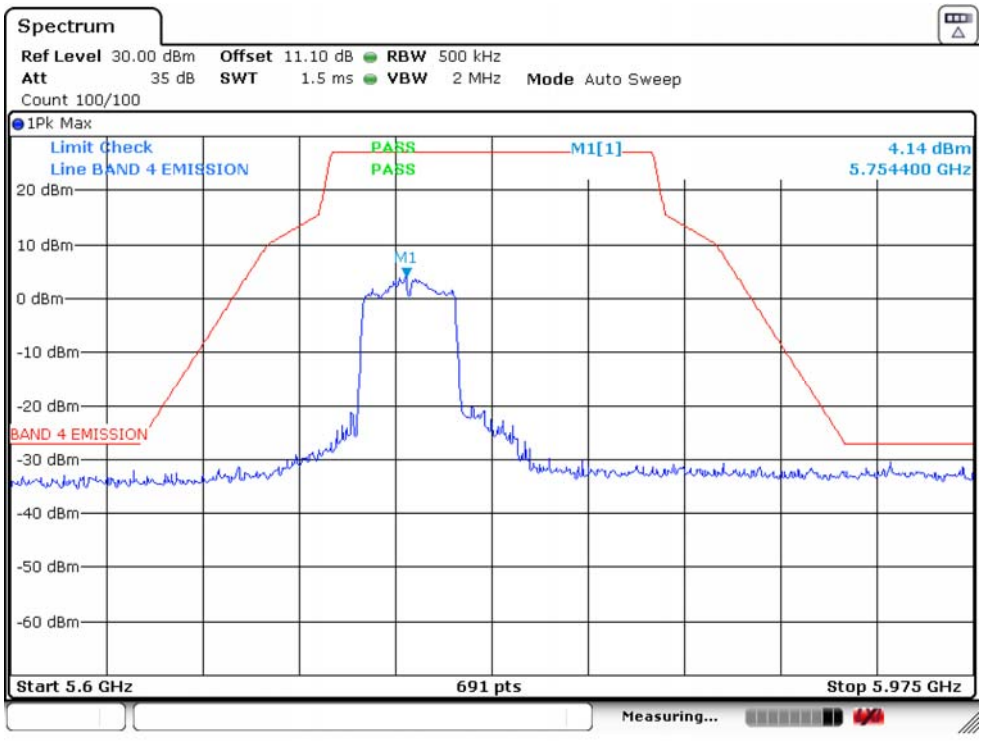
IEEE 802.11ac VHT20 5785MHz



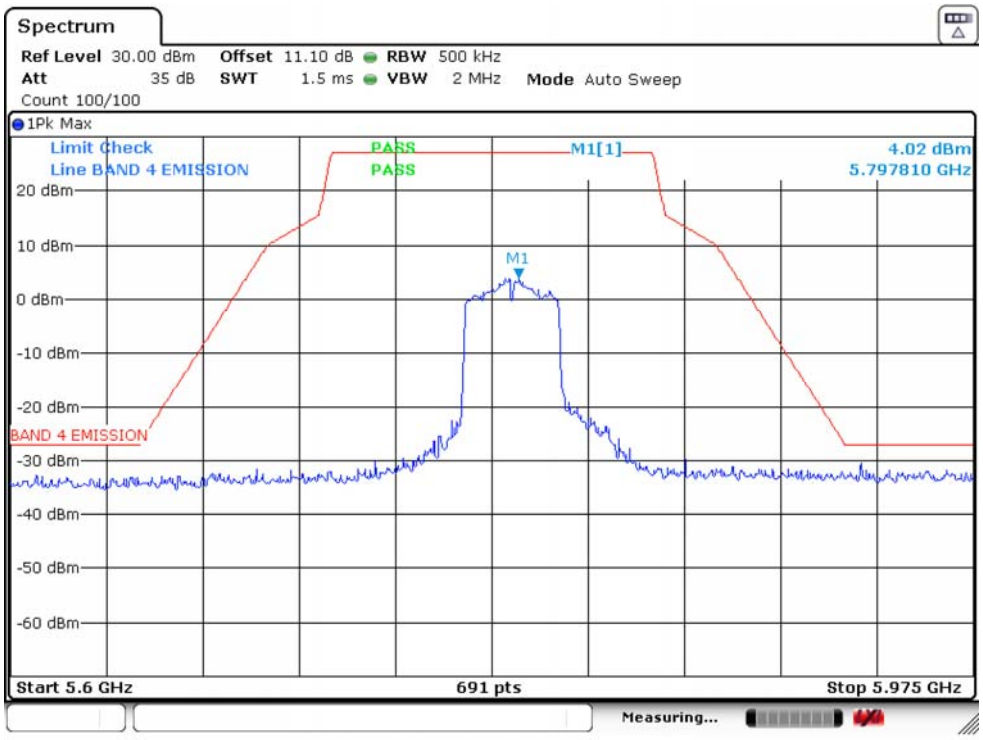
IEEE 802.11ac VHT20 5825MHz



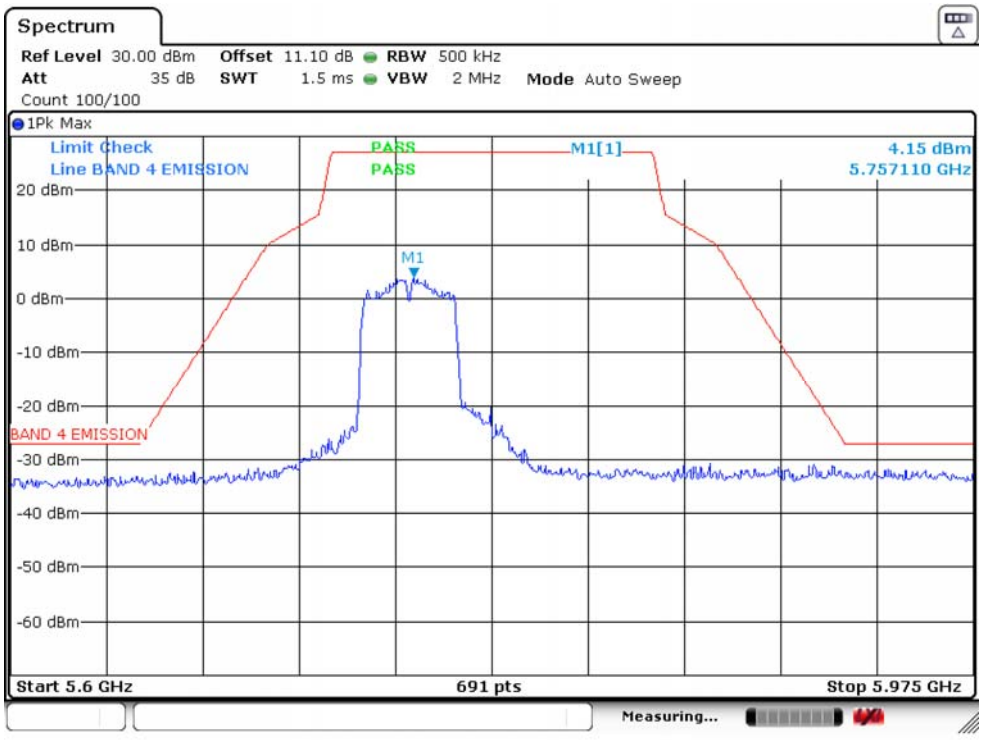
IEEE 802.11n HT40 5755MHz



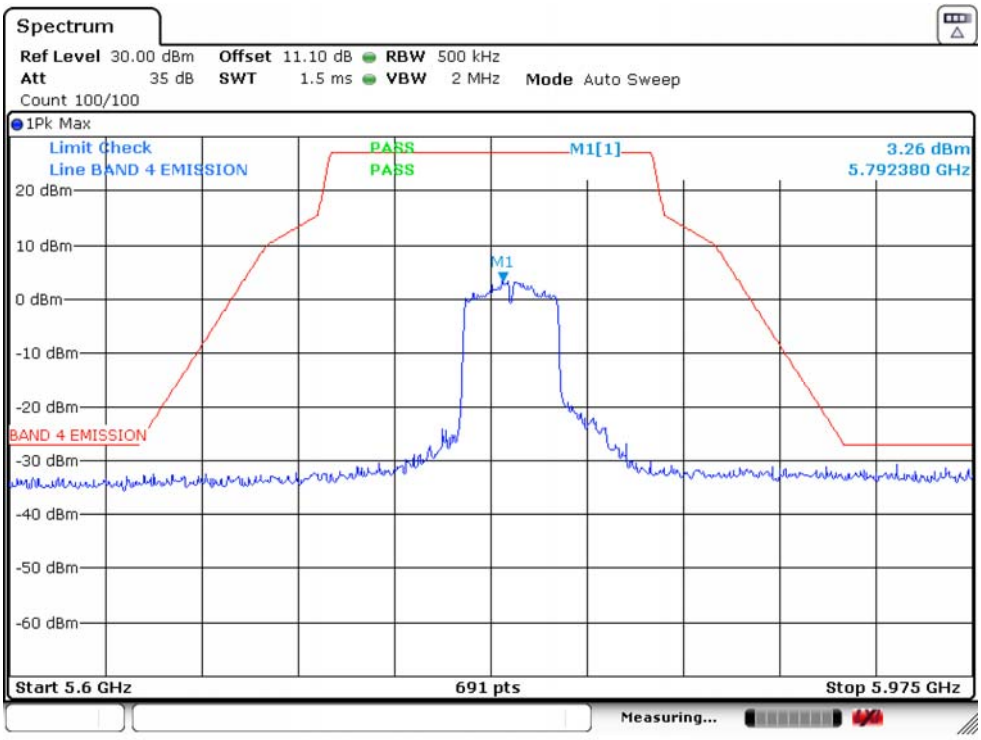
IEEE 802.11n HT40 5795MHz



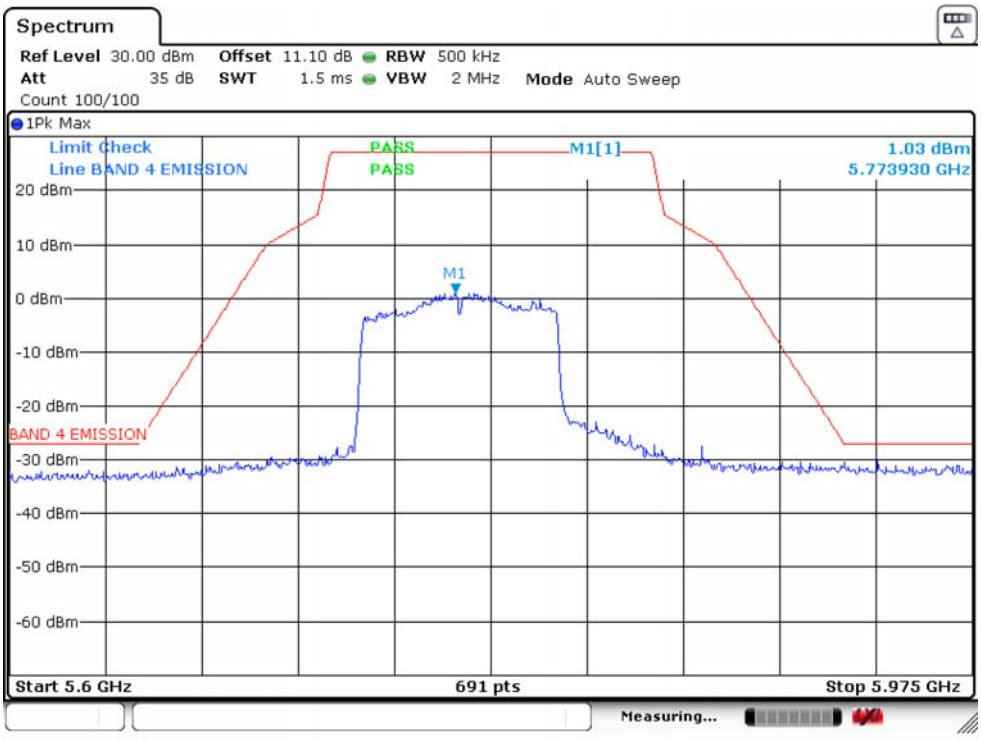
IEEE 802.11ac VHT40 5755MHz



IEEE 802.11ac VHT40 5795MHz



IEEE 802.11ac VHT80 5775MHz



18000MHz-40000MHz

Pass

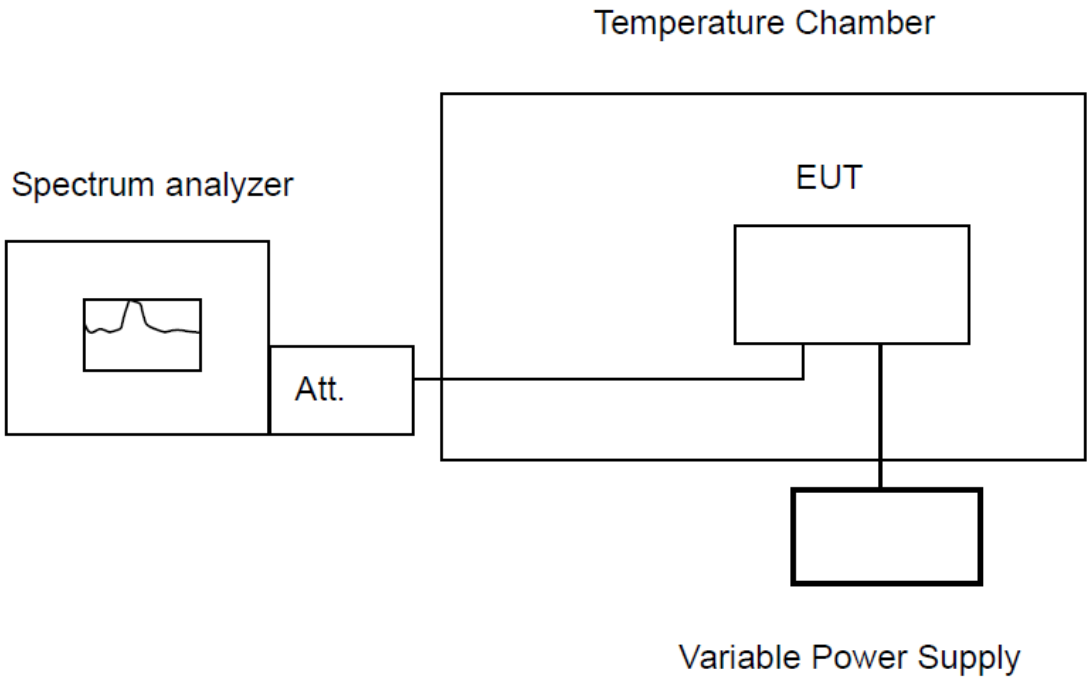
Note: The amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

7. FREQUENCY STABILITY

7.1. Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the operational description.

7.2. Test Setup



7.3. Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	10KHz
VBW	10KHz
Span	200KHz
Sweep Time	Auto
Detector	PEAK
Trace Mode	Max Hold

7.4. Test Procedure

For measurement frequency stability under temperature variation :

a. Supply the EUT with a nominal ac voltage or install a new or fully charged battery in the EUT.
b. Turn the EUT OFF and place it inside the environmental temperature chamber.
c. Connect EUT antenna terminal to the spectrum analyzer with RF cable.
d. Spectrum analyzer setting parameters in accordance with section 7.3.
e. Set the temperature control on the chamber to the Specified temperature and allow the oscillator heater and the chamber temperature to stabilize.
f. Turn the EUT ON with the rated voltage, and the EUT transmit continuously with maximum output power.
g. Record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized.
h. Repeat step d through step f to measured the temperature form -20℃ to +50℃ in 10℃ steps.

For frequency stability under voltage variation:

a. Supply the EUT with a nominal ac voltage or install a new or fully charged battery in the EUT.
b. Turn the EUT OFF and place it inside the environmental temperature chamber.
c. Connect EUT antenna terminal to the spectrum analyzer with RF cable.
d. Spectrum analyzer setting parameters in accordance with section 7.3.
e. Unless otherwise specified, set the temperature control on the chamber to the ambient room temperature (+15℃ to +25℃) and allow the oscillator heater and the chamber temperature to stabilize.
f. Turn the EUT ON with the rated voltage, and the EUT transmit continuously with maximum output power.
g. Record the operating frequency.
h. Repeat step d through step f to measured the varied from 85% to 115% of the rated voltage.

7.5. Test Result

Frequency (MHz)	Voltage (V)	Temperature (℃)	Time (minutes)	Measurement Value (MHz)	Frequency Error (ppm)
5180	120	50	0	5180.106520	20.56
			2	5180.106520	20.56
			5	5180.107519	20.76
			10	5180.108519	20.95
	120	40	0	5180.106691	20.60
			2	5180.107906	20.83
			5	5180.106559	20.57
			10	5180.106794	20.62
	120	30	0	5180.108315	20.91
			2	5180.108156	20.88
			5	5180.107924	20.83
			10	5180.106559	20.57
	120	20	0	5180.107886	20.83
			2	5180.108694	20.98
			5	5180.108960	21.03
			10	5180.106963	20.65
	120	10	0	5180.108048	20.86
			2	5180.107688	20.79
			5	5180.107062	20.67
			10	5180.107235	20.70
	120	0	0	5180.106954	20.65
			2	5180.107574	20.77
			5	5180.107265	20.71
			10	5180.107863	20.82
	120	-10	0	5180.107640	20.78
			2	5180.106583	20.58
			5	5180.106981	20.65
			10	5180.106766	20.61
	120	-20	0	5180.107956	20.84
			2	5180.107712	20.79
			5	5180.107861	20.82
			10	5180.107543	20.76
	120	20	/	5180.106973	20.65
	102	20	/	5180.107318	20.72
	138	20	/	5180.108776	21.00
	MAX Frquency Error(ppm)				**21.03**

Frequency (MHz)	Voltage (V)	Temperature (℃)	Time (minutes)	Measurement Value (MHz)	Frequency Error (ppm)
5320	120	50	0	5320.1075190	20.21
			2	5320.1035200	19.46
			5	5320.1065190	20.02
			10	5320.1045200	19.65
	120	40	0	5320.1043920	19.62
			2	5320.1052730	19.79
			5	5320.1072520	20.16
			10	5320.1055230	19.84
	120	30	0	5320.1048810	19.71
			2	5320.1046280	19.67
			5	5320.1033830	19.43
			10	5320.1068940	20.09
	120	20	0	5320.1078100	20.27
			2	5320.1063230	19.99
			5	5320.1034980	19.45
			10	5320.1068590	20.09
	120	10	0	5320.1044910	19.64
			2	5320.1078960	20.28
			5	5320.1035670	19.47
			10	5320.1061760	19.96
	120	0	0	5320.1032880	19.42
			2	5320.1043830	19.62
			5	5320.1042950	19.60
			10	5320.1071890	20.15
	120	-10	0	5320.1044470	19.63
			2	5320.1067180	20.06
			5	5320.1039530	19.54
			10	5320.1051240	19.76
	120	-20	0	5320.1030070	19.36
			2	5320.1052380	19.78
			5	5320.1071980	20.15
			10	5320.1065160	20.02
	120	20	/	5320.1048520	19.71
	102	20	/	5320.1069210	20.10
	138	20	/	5320.1071500	20.14
	MAX Frquency Error(ppm)				**20.28**

Frequency (MHz)	Voltage (V)	Temperature (℃)	Time (minutes)	Measurement Value (MHz)	Frequency Error (ppm)
5500	120	50	0	5500.1085190	19.73
			2	5500.1095190	19.91
			5	5500.1085190	19.73
			10	5500.1145190	20.82
	120	40	0	5500.1129330	20.53
			2	5500.1108570	20.16
			5	5500.1116270	20.30
			10	5500.1120260	20.37
	120	30	0	5500.1086300	19.75
			2	5500.1111020	20.20
			5	5500.1127020	20.49
			10	5500.1093480	19.88
	120	20	0	5500.1101430	20.03
			2	5500.1127160	20.49
			5	5500.1135900	20.65
			10	5500.1091260	19.84
	120	10	0	5500.1127420	20.50
			2	5500.1082870	19.69
			5	5500.1101010	20.02
			10	5500.1134360	20.62
	120	0	0	5500.1111640	20.21
			2	5500.1100810	20.01
			5	5500.1110800	20.20
			10	5500.1113810	20.25
	120	-10	0	5500.1116830	20.31
			2	5500.1128840	20.52
			5	5500.1123350	20.42
			10	5500.1131960	20.58
	120	-20	0	5500.1116450	20.30
			2	5500.1132680	20.59
			5	5500.1107230	20.13
			10	5500.1139440	20.72
	120	20	/	5500.1107300	20.13
	102	20	/	5500.1093100	19.87
	138	20	/	5500.1099740	20.00
	MAX Frquency Error(ppm)				**20.82**

Frequency (MHz)	Voltage (V)	Temperature (℃)	Time (minutes)	Measurement Value (MHz)	Frequency Error (ppm)
5745	120	50	0	5745.1145190	19.93
			2	5745.1165190	20.28
			5	5745.1195180	20.80
			10	5745.1175190	20.46
	120	40	0	5745.1156920	20.14
			2	5745.1145160	19.93
			5	5745.1154400	20.09
			10	5745.1155530	20.11
	120	30	0	5745.1197040	20.84
			2	5745.1197840	20.85
			5	5745.1179050	20.52
			10	5745.1183820	20.61
	120	20	0	5745.1161500	20.22
			2	5745.1183770	20.61
			5	5745.1146620	19.96
			10	5745.1188160	20.68
	120	10	0	5745.1157570	20.15
			2	5745.1167130	20.32
			5	5745.1152450	20.06
			10	5745.1190380	20.72
	120	0	0	5745.1178820	20.52
			2	5745.1158600	20.17
			5	5745.1185580	20.64
			10	5745.1173080	20.42
	120	-10	0	5745.1165160	20.28
			2	5745.1148570	19.99
			5	5745.1159770	20.19
			10	5745.1171090	20.38
	120	-20	0	5745.1182030	20.57
			2	5745.1193350	20.77
			5	5745.1173900	20.43
			10	5745.1172650	20.41
	120	20	/	5745.1191700	20.74
	102	20	/	5745.1151120	20.04
	138	20	/	5745.1159160	20.18
	MAX Frquency Error(ppm)				**20.85**

8. AC POWER LINE CONDUCTED EMISSIONS

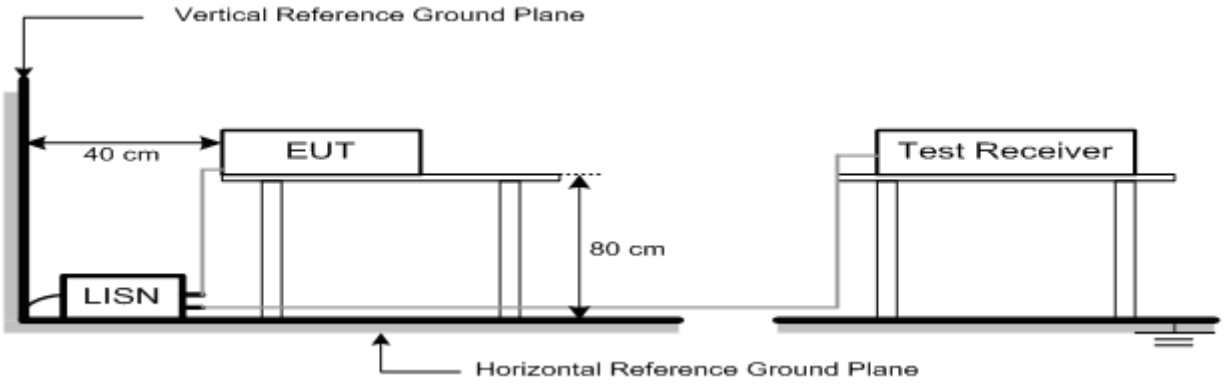
8.1. Limit

Frequency			Maximum RF Line Voltage	
			Quasi-Peak Level dB(μV)	Average Level dB(μV)
150kHz	~	500kHz	66 ~ 56*	56 ~ 46*
500kHz	~	5MHz	56	46
5MHz	~	30MHz	60	50

Notes:

1. * Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

8.2. Test Setup



8.3. Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	9KHz
VBW	9KHz
Start frequency	150KHz
Stop frequency	30MHz
Sweep Time	Auto
Detector	QP/AVG
Trace Mode	Max Hold

8.4. Test Procedure

a. The EUT was placed on a non-metallic table, 80cm above the ground plane.
b. The EUT Power connected to the power mains through a line impedance stabilization network.
c. Provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs).
d. Set the EUT transmit continuously with maximum output power.
e. Spectrum analyzer setting parameters in accordance with section 8.3.
f. The AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2013 on Conducted Emission Test.
g. Record the results in the test report.

8.5. Test Result

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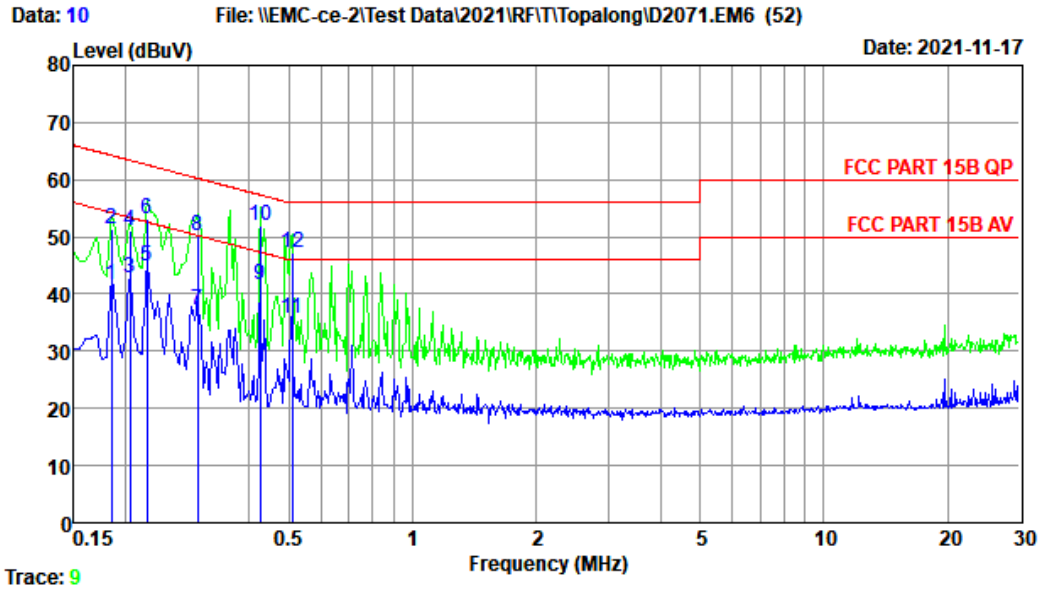

Site no. : 2#CE Shield Room Data no. : 10
Env. / Ins. : Temp:23.6℃ Humi:60% Press:101.50Pal. : LINE
Limit : FCC PART 15B QP
Engineer : ZSX
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.1854	9.84	9.77	21.88	41.49	54.24	12.75	Average
2	0.1854	9.84	9.77	31.82	51.43	64.24	12.81	QP
3	0.2050	9.78	9.84	23.15	42.77	53.40	10.63	Average
4	0.2050	9.78	9.84	31.40	51.02	63.40	12.38	QP
5	0.2256	9.78	9.84	25.26	44.88	52.61	7.73	Average
6	0.2256	9.78	9.84	33.53	53.15	62.61	9.46	QP
7	0.3003	9.81	9.92	17.41	37.14	50.24	13.10	Average
8	0.3003	9.81	9.92	30.55	50.28	60.24	9.96	QP
9	0.4250	9.85	9.92	21.81	41.58	47.35	5.77	Average
10	0.4250	9.85	9.92	32.20	51.97	57.35	5.38	QP
11	0.5101	9.84	9.92	15.90	35.66	46.00	10.34	Average
12	0.5101	9.84	9.92	27.47	47.23	56.00	8.77	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. If the average limit is met when useing a quasi-peak detector,
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

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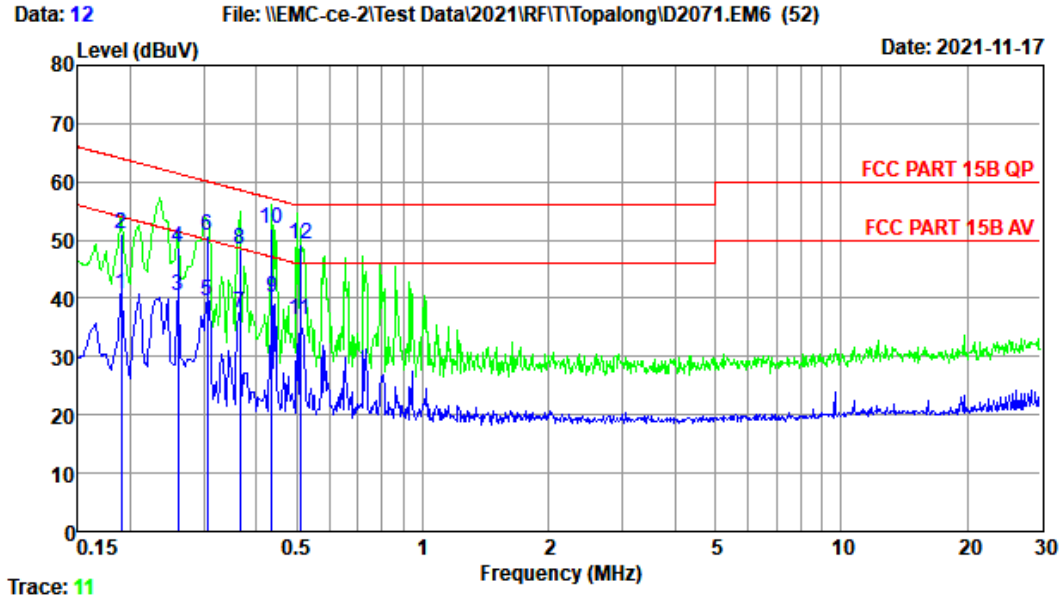

Site no. : 2#CE Shield Room Data no. : 12
Env. / Ins. : Temp:23.6°C Humi:60% Press:101.50Pal. : NEUTRAL
Limit : FCC PART 15B QP
Engineer : ZSX
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 120V/60Hz
M/N : D2071
Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.1904	9.72	9.77	21.25	40.74	54.02	13.28	Average
2	0.1904	9.72	9.77	31.58	51.07	64.02	12.95	QP
3	0.2603	9.84	9.92	20.55	40.31	51.42	11.11	Average
4	0.2603	9.84	9.92	28.94	48.70	61.42	12.72	QP
5	0.3051	9.83	9.92	19.71	39.46	50.10	10.64	Average
6	0.3051	9.83	9.92	31.14	50.89	60.10	9.21	QP
7	0.3653	9.74	9.92	17.76	37.42	48.61	11.19	Average
8	0.3653	9.74	9.92	28.63	48.29	58.61	10.32	QP
9	0.4351	9.73	9.92	20.64	40.29	47.15	6.86	Average
10	0.4351	9.73	9.92	32.37	52.02	57.15	5.13	QP
11	0.5101	9.76	9.92	16.67	36.35	46.00	9.65	Average
12	0.5101	9.76	9.92	29.73	49.41	56.00	6.59	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. If the average limit is met when useing a quasi-peak detector,
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

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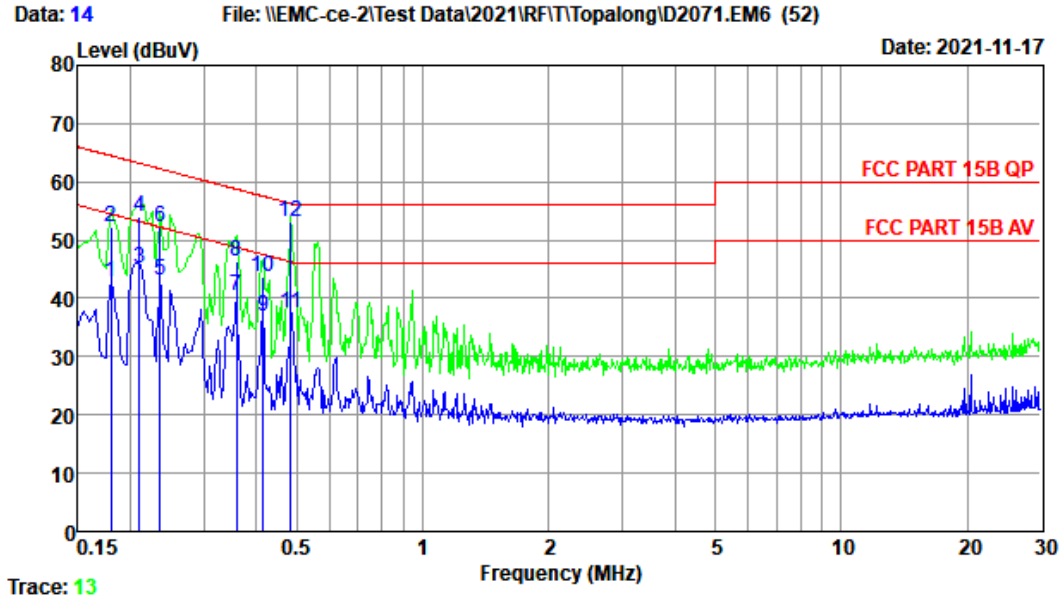

Site no. : 2#CE Shield Room Data no. : 14
Env. / Ins. : Temp:23.6°C Humi:60% Press:101.50Pal. : LINE
Limit : FCC PART 15B QP
Engineer : ZSX
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 240V/60Hz
M/N : D2071
Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.1796	9.84	9.77	23.16	42.77	54.50	11.73	Average
2	0.1796	9.84	9.77	32.71	52.32	64.50	12.18	QP
3	0.2106	9.78	9.84	25.66	45.28	53.18	7.90	Average
4	0.2106	9.78	9.84	34.48	54.10	63.18	9.08	QP
5	0.2353	9.73	9.92	23.37	43.02	52.26	9.24	Average
6	0.2353	9.73	9.92	32.67	52.32	62.26	9.94	QP
7	0.3596	9.81	9.92	20.76	40.49	48.74	8.25	Average
8	0.3596	9.81	9.92	26.65	46.38	58.74	12.36	QP
9	0.4148	9.85	9.92	17.28	37.05	47.55	10.50	Average
10	0.4148	9.85	9.92	23.80	43.57	57.55	13.98	QP
11	0.4830	9.84	9.92	17.84	37.60	46.29	8.69	Average
12	0.4830	9.84	9.92	33.40	53.16	56.29	3.13	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. If the average limit is met when useing a quasi-peak detector,
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

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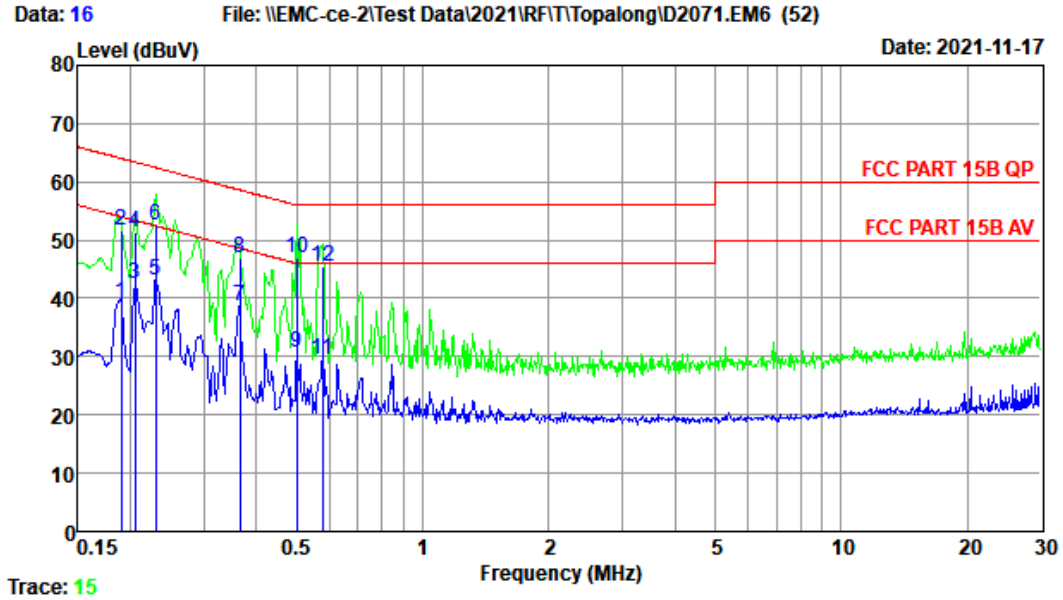


Site no. : 2#CE Shield Room Data no. : 16
Env. / Ins. : Temp:23.6°C Humi:60% Press:101.50Pal. : NEUTRAL
Limit : FCC PART 15B QP
Engineer : ZSX
EUT : Defunc HOME LARGE
Power : DC 24V From Adapter Input AC 240V/60Hz
M/N : D2071
Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.1904	9.72	9.77	19.70	39.19	54.02	14.83	Average
2	0.1904	9.72	9.77	32.29	51.78	64.02	12.24	QP
3	0.2050	9.78	9.84	22.88	42.50	53.40	10.90	Average
4	0.2050	9.78	9.84	31.73	51.35	63.40	12.05	QP
5	0.2304	9.78	9.84	23.61	43.23	52.44	9.21	Average
6	0.2304	9.78	9.84	33.00	52.62	62.44	9.82	QP
7	0.3653	9.74	9.92	18.90	38.56	48.61	10.05	Average
8	0.3653	9.74	9.92	27.38	47.04	58.61	11.57	QP
9	0.4994	9.76	9.92	11.04	30.72	46.01	15.29	Average
10	0.4994	9.76	9.92	27.15	46.83	56.01	9.18	QP
11	0.5762	9.75	9.92	9.88	29.55	46.00	16.45	Average
12	0.5762	9.75	9.92	25.74	45.41	56.00	10.59	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. If the average limit is met when useing a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

9. ANTENNA REQUIREMENTS

9.1. Limit

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

9.2. Test Result

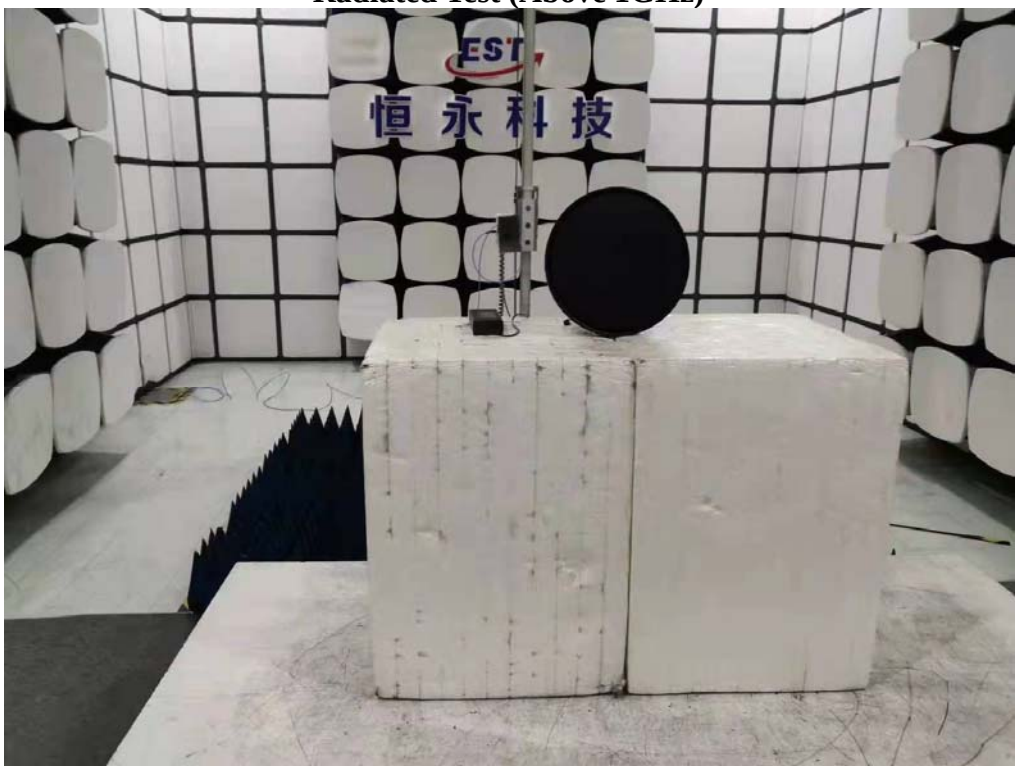
The antennas used for this product is integral antenna ,so compliance with antenna requirements.
(Please refer to the EUT photo for details)

10. TEST SETUP PHOTO

Conducted Test

Radiated Test (Below 1GHz)

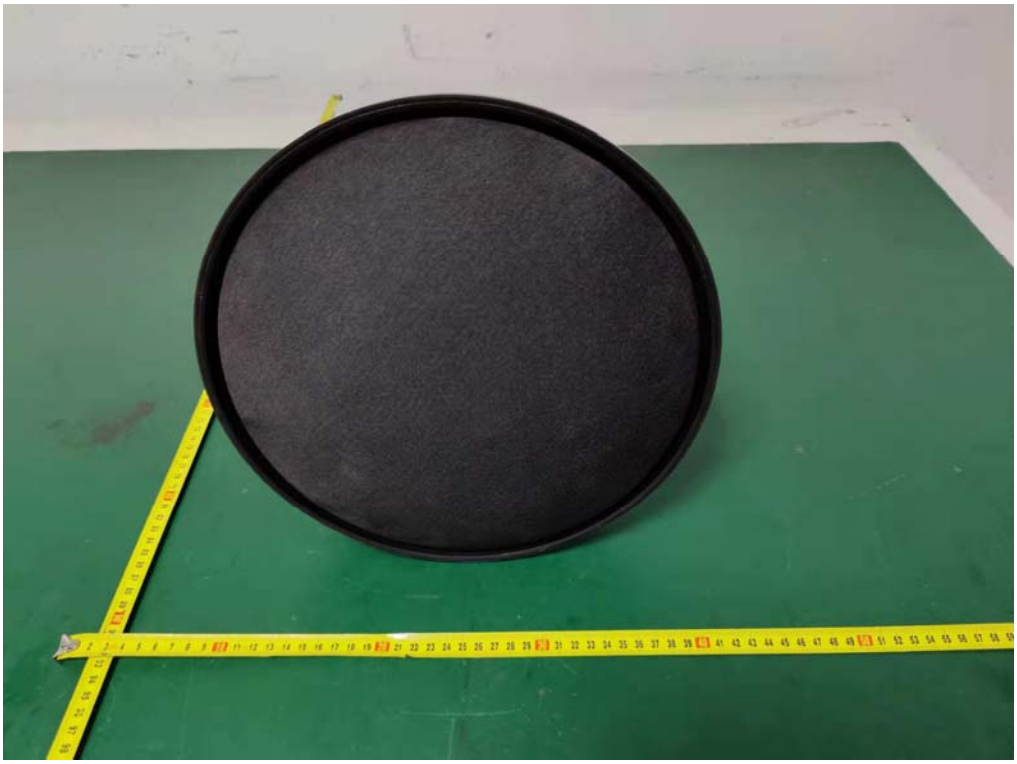
Radiated Test (Above 1GHz)



11.EUT PHOTO

External Photos

M/N: D2071



External Photos

M/N: D2071

External Photos

M/N: D2071

External Photos

M/N: D2071

External Photos

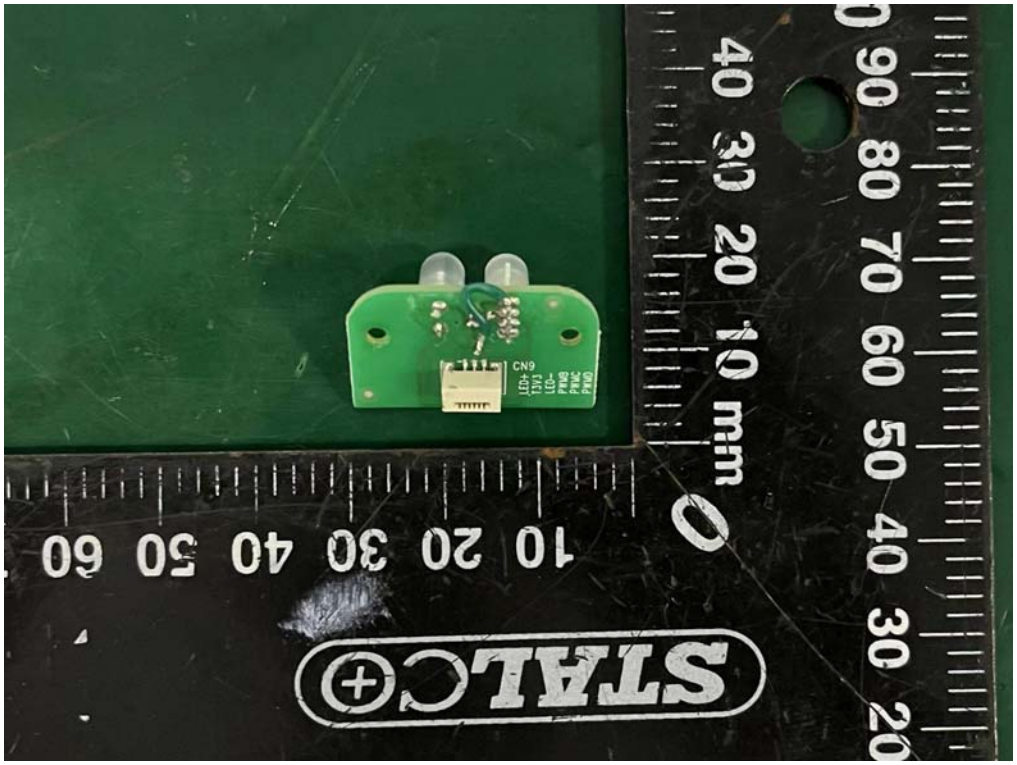
M/N: D2071

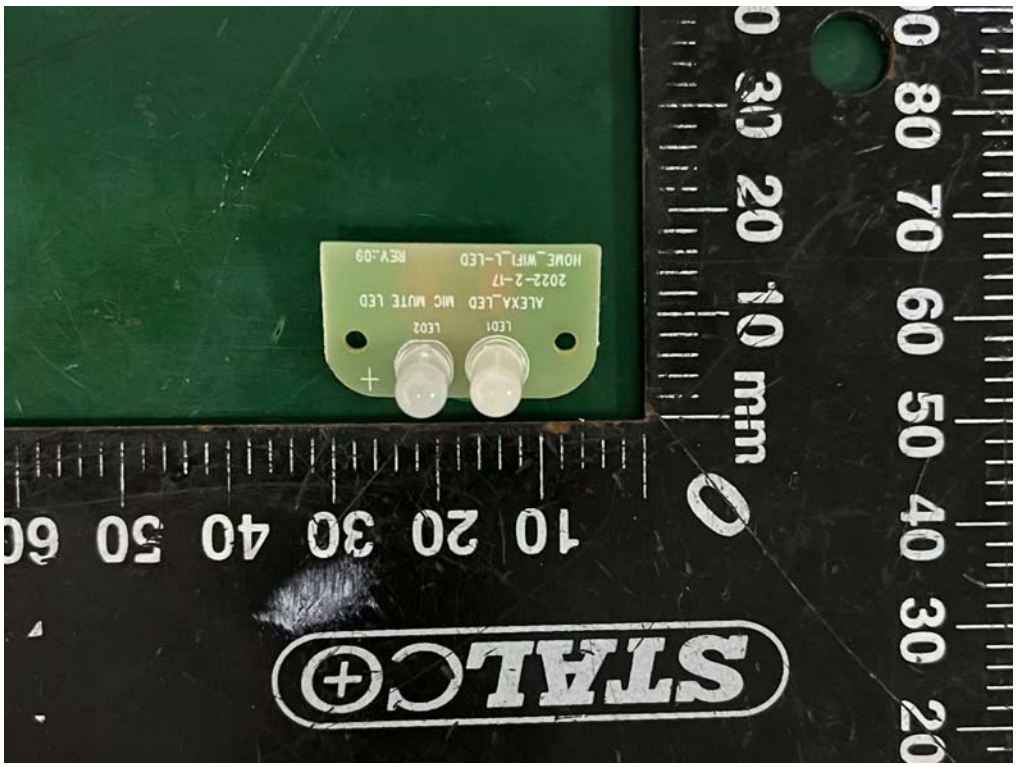
Internal Photos

M/N: D2071

Internal Photos

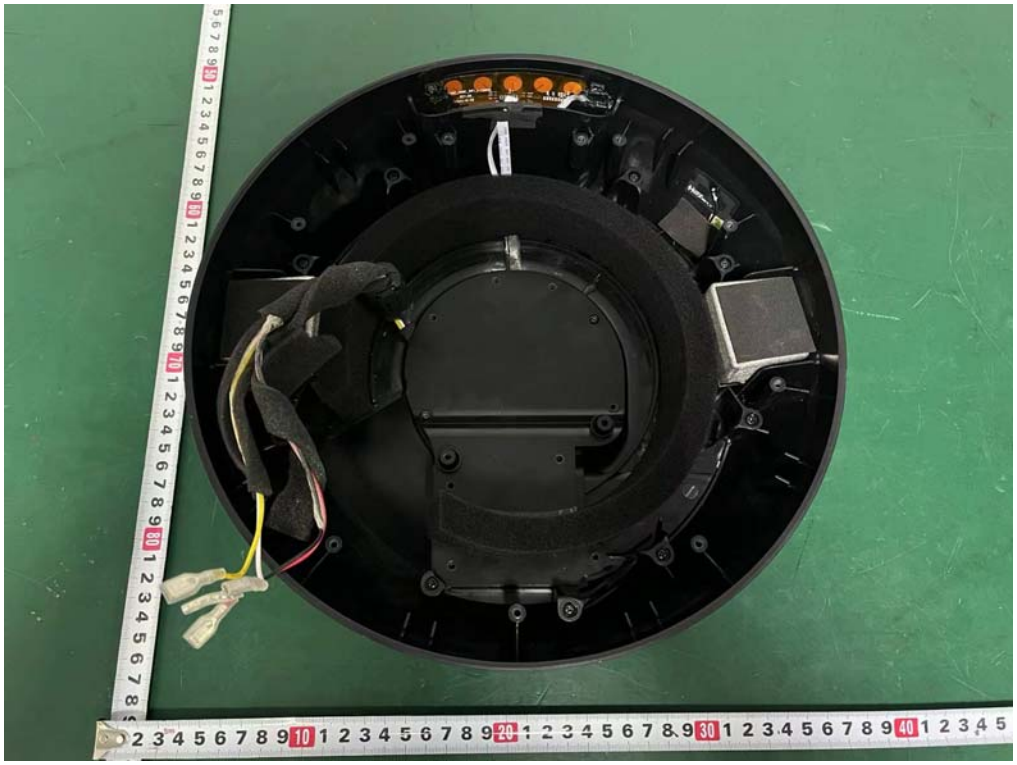
M/N: D2071





Internal Photos

M/N: D2071



Internal Photos

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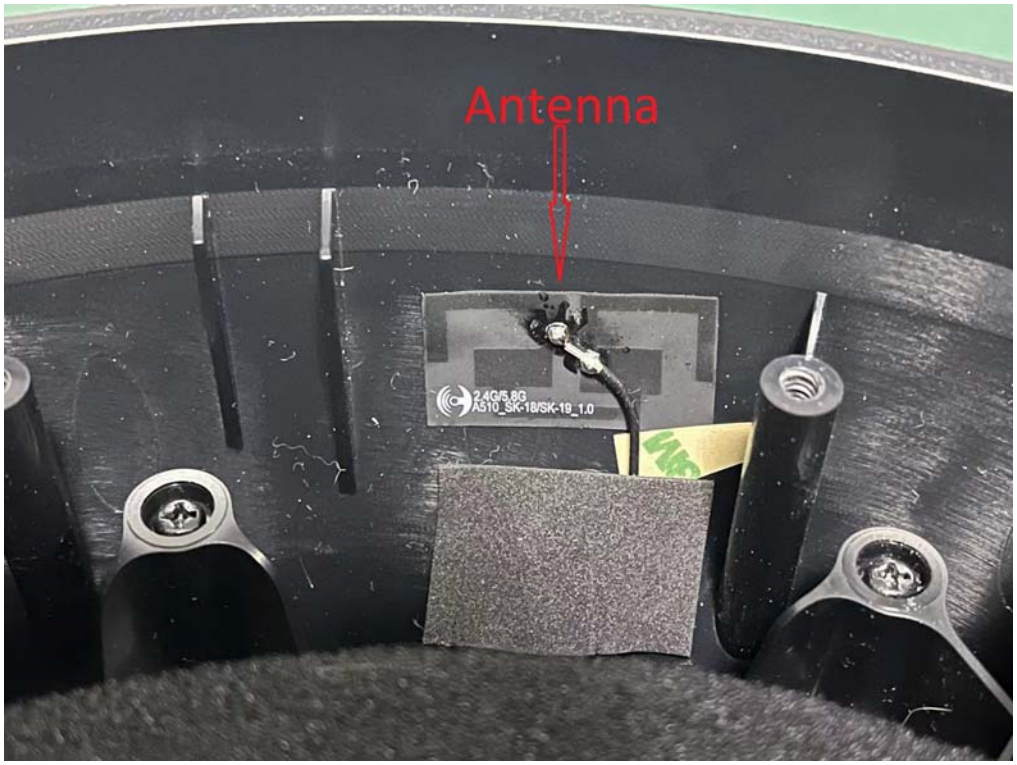

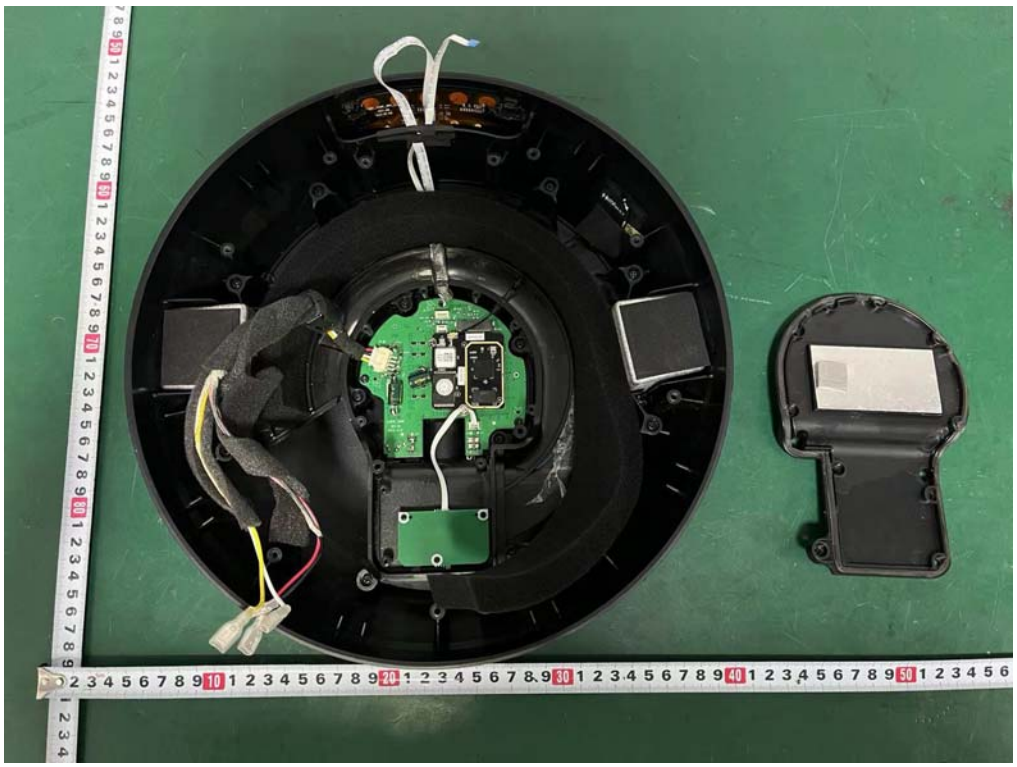

Internal Photos

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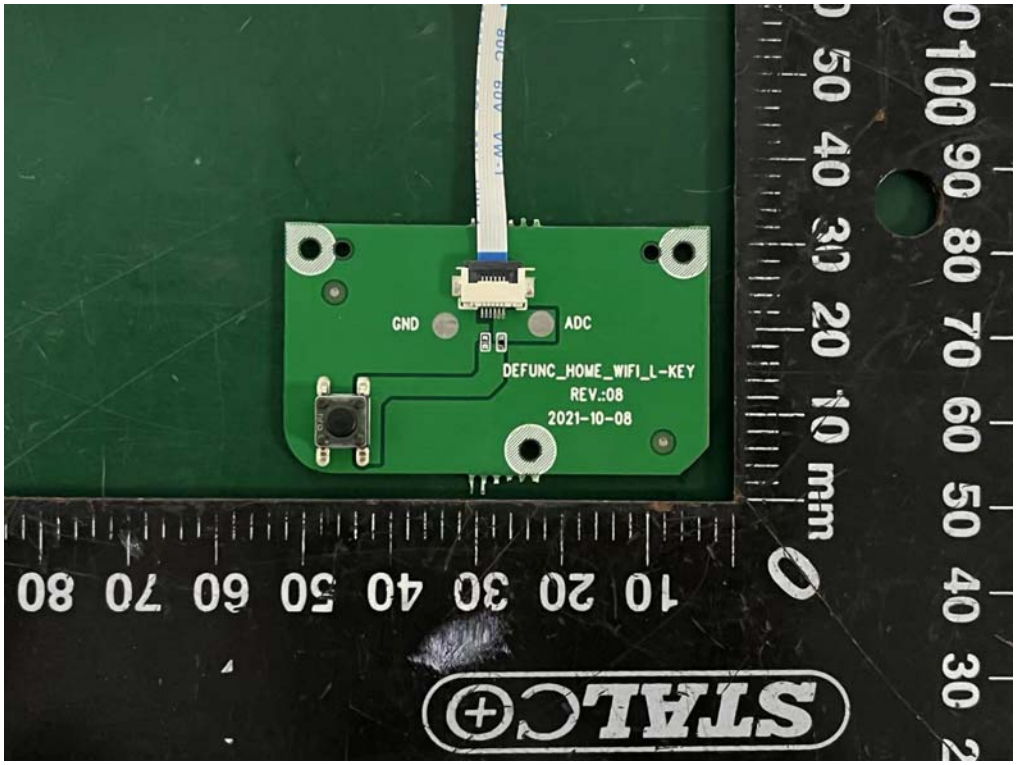
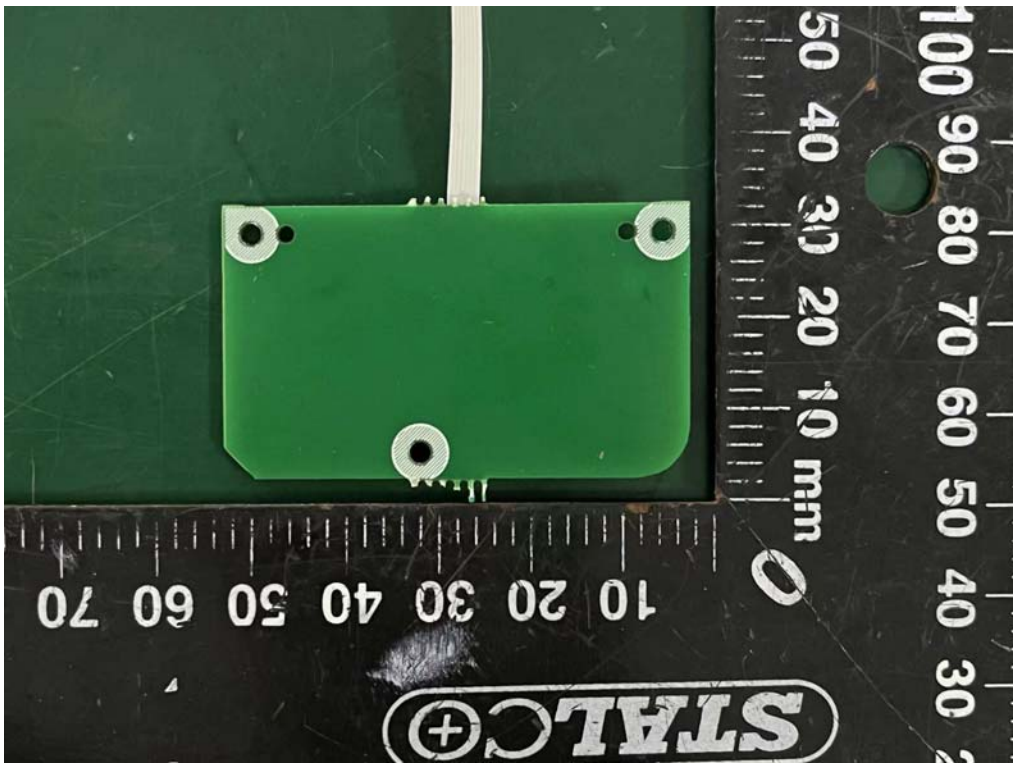
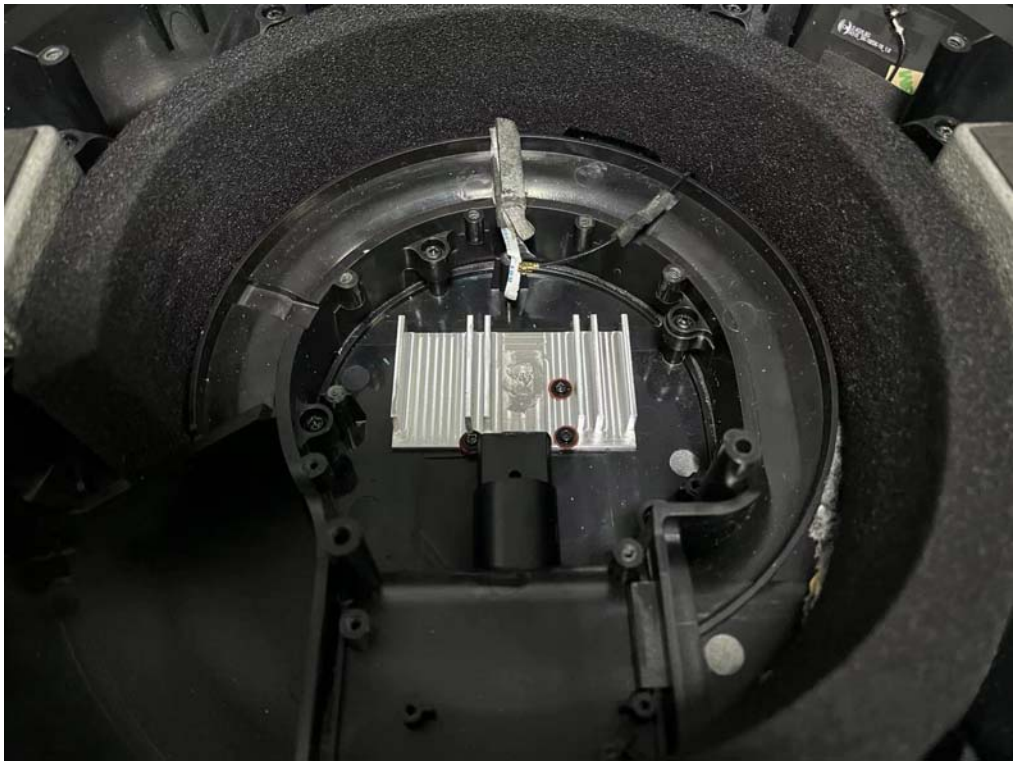
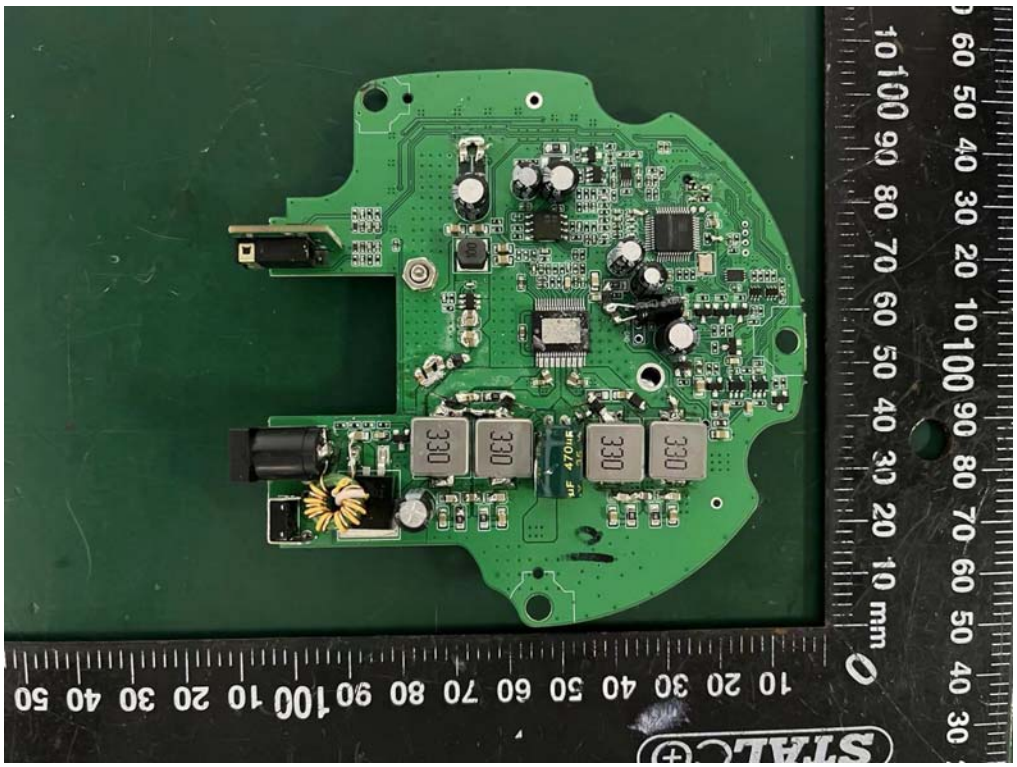




Internal Photos

M/N: D2071





Internal Photos

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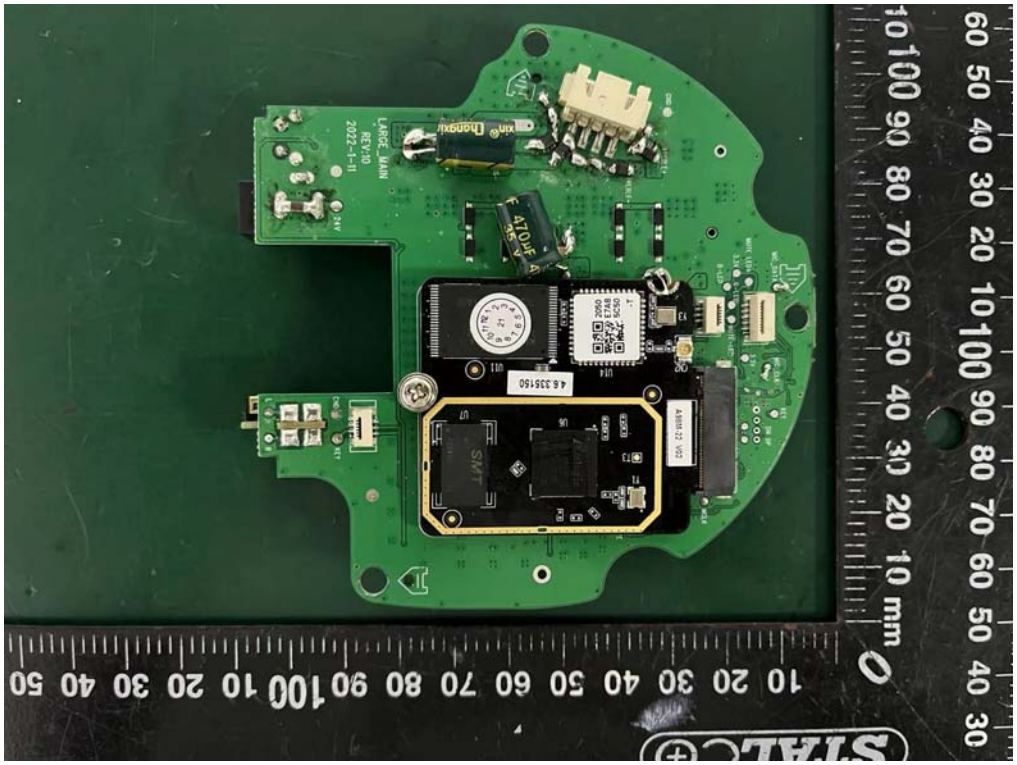

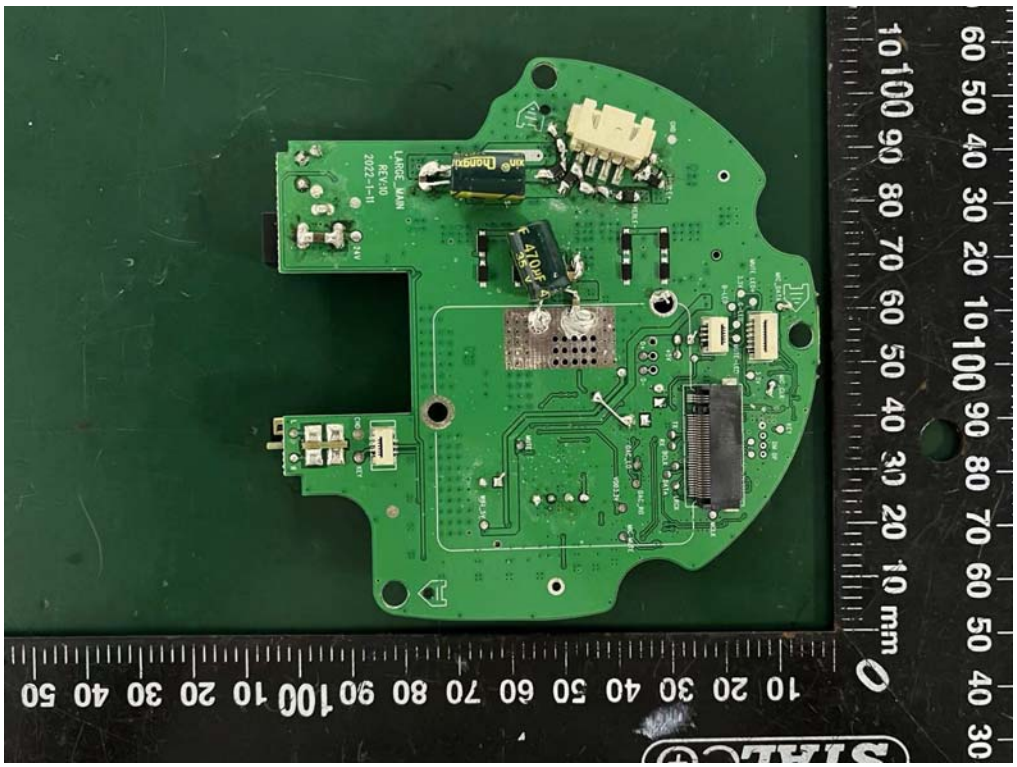

Internal Photos

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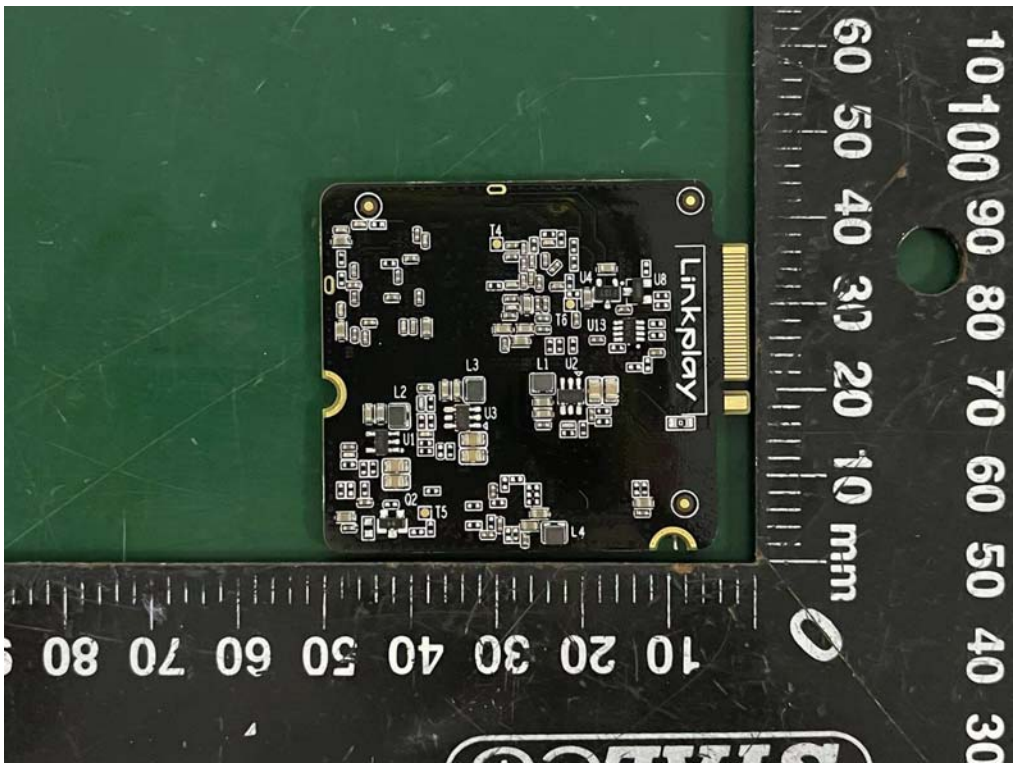

Internal Photos

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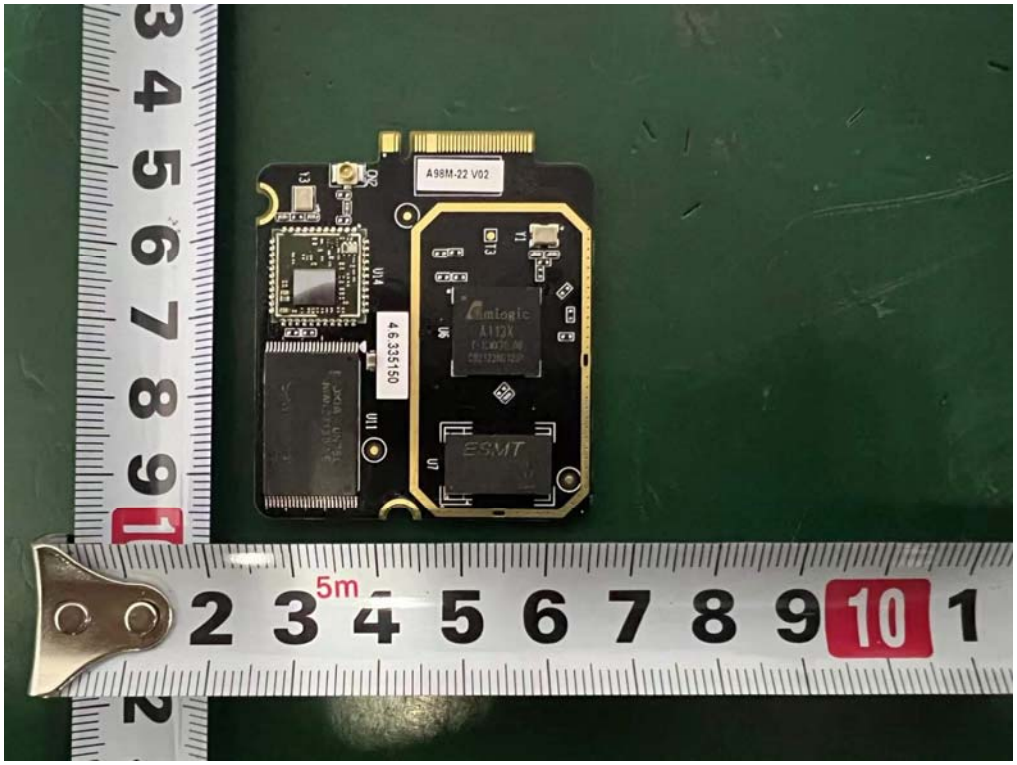

End of Test Report