

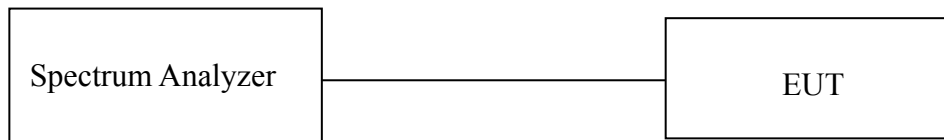
BAND	Test Mode	Fre (MHz)	Conducted AVG Output Power (dBm)		Total Conducted Output Power (W)	Total Conducted Output Power (dBm)	Limit (dBm)	Result
			Ant 1	Ant 2				
U-NII-3	IEEE 802.11a	5745	8.58	9.19	0.00829	9.19	30.00	PASS
		5785	7.85	9.23	0.00838	9.23	30.00	PASS
		5825	7.97	9.25	0.00841	9.25	30.00	PASS
	IEEE 802.11n HT20	5745	10.06	10.31	0.02087	13.20	30.00	PASS
		5785	9.29	10.34	0.01929	12.85	30.00	PASS
		5825	9.67	10.53	0.02056	13.13	30.00	PASS
	IEEE 802.11ac VHT20	5745	10.00	10.56	0.02137	13.30	30.00	PASS
		5785	9.33	10.72	0.02037	13.09	30.00	PASS
		5825	9.46	10.66	0.02047	13.11	30.00	PASS
	IEEE 802.11n HT40	5755	9.94	10.44	0.02091	13.20	30.00	PASS
		5795	9.68	10.79	0.02128	13.28	30.00	PASS
	IEEE 802.11ac VHT40	5755	10.14	9.47	0.01918	12.83	30.00	PASS
		5795	10.35	9.19	0.01913	12.82	30.00	PASS
	IEEE 802.11ac VHT80	5775	8.98	9.74	0.01732	12.38	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	$\geq 2 \times \text{SPAN/RBW}$
Detector	RMS(power averaging)
Trace Average	≥ 100 traces

5.4. Test Procedure

- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with section 5.3.
- Set the EUT transmit continuously with maximum output power.
- Allow trace to stabilize, use the marker-to-peak function to set the marker to the average of the emission.
- If the duty cycle of test signal $< 98\%$, the result = max measured value + $10 \times \log(1/\text{duty cycle})$;
If the duty cycle of test signal $\geq 98\%$, the result = max measured value.
- Repeat above procedures until all modes and channels were measured.
- Record the results in the test report.

5.5. Test Result

Temperature		26.5℃	Relative Humidity		48%	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
			Ant 1	Ant 2				
U-NII-1	IEEE 802.11a	5180	0.09	0.57	0.00	0.09	11.00	PASS
		5200	1.08	-0.15	0.00	1.08	11.00	PASS
		5240	1.46	2.84	0.00	1.46	11.00	PASS
	IEEE 802.11n HT20	5180	-0.70	-0.44	0.00	2.44	11.00	PASS
		5200	-0.48	-0.20	0.00	2.67	11.00	PASS
		5240	0.19	0.03	0.00	3.12	11.00	PASS
	IEEE 802.11ac VHT20	5180	-1.57	-0.62	0.18	2.12	11.00	PASS
		5200	-1.41	-0.34	0.18	2.35	11.00	PASS
		5240	-0.71	0.10	0.18	2.90	11.00	PASS
	IEEE 802.11n HT40	5190	-4.05	-3.26	0.15	-0.48	11.00	PASS
		5230	-4.08	-2.90	0.15	-0.29	11.00	PASS
	IEEE 802.11ac VHT40	5190	-4.97	-3.41	0.27	-0.84	11.00	PASS
		5230	-4.62	-3.62	0.27	-0.81	11.00	PASS
	IEEE 802.11ac VHT80	5210	-9.03	-8.17	0.67	-4.90	11.00	PASS

BAND	Test Mode	Fre (MHz)	Power Density (dBm/500KHz)		Duty Factor (dB)	Total Power Density (dBm/500KHz)	Limit (dBm/500KHz)	Result
			Ant 1	Ant 2				
U-NII-3	IEEE 802.11a	5745	4.50	4.07	0.00	4.50	30.00	PASS
		5785	3.43	3.79	0.00	3.43	30.00	PASS
		5825	4.51	3.97	0.00	4.51	30.00	PASS
	IEEE 802.11n HT20	5745	3.26	3.69	0.00	6.49	30.00	PASS
		5785	3.70	3.80	0.00	6.76	30.00	PASS
		5825	3.72	3.55	0.00	6.65	30.00	PASS
	IEEE 802.11ac VHT20	5745	3.21	1.64	0.18	5.68	30.00	PASS
		5785	3.22	3.22	0.18	6.41	30.00	PASS
		5825	2.91	2.91	0.18	6.10	30.00	PASS
	IEEE 802.11n HT40	5755	0.24	0.40	0.15	3.48	30.00	PASS
		5795	0.45	0.64	0.15	3.71	30.00	PASS
	IEEE 802.11ac VHT40	5755	-0.21	-0.29	0.27	3.03	30.00	PASS
		5795	0.11	-0.36	0.27	3.16	30.00	PASS
	IEEE 802.11ac VHT80	5775	-2.59	-2.35	0.67	1.21	30.00	PASS

U-NII-1 IEEE 802.11a 5180MHz

ANT 1



ANT 2

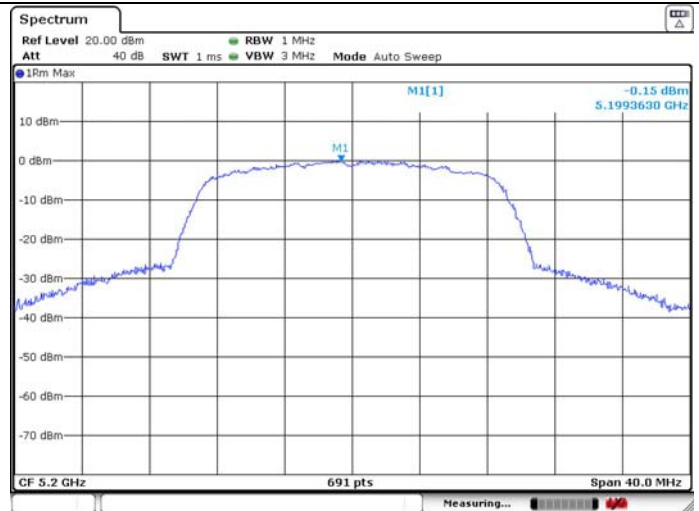


U-NII-1 IEEE 802.11a 5200MHz

ANT 1



ANT 2



U-NII-1 IEEE 802.11a 5240MHz

ANT 1



ANT 2

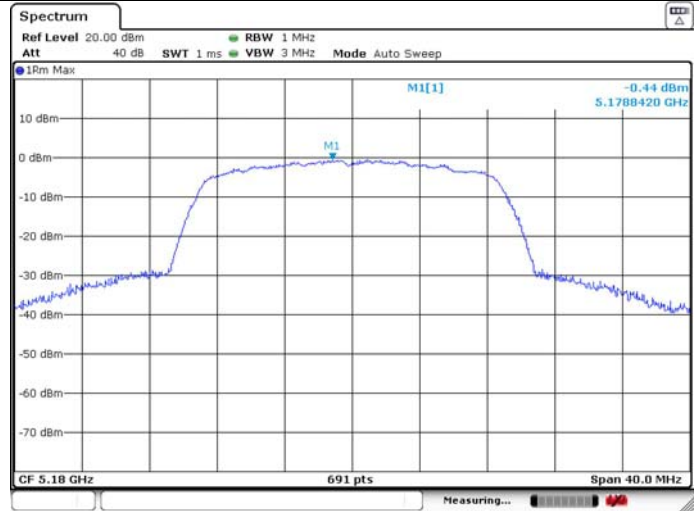


U-NII-1 IEEE 802.11n HT20 5180MHz

ANT 1



ANT 2

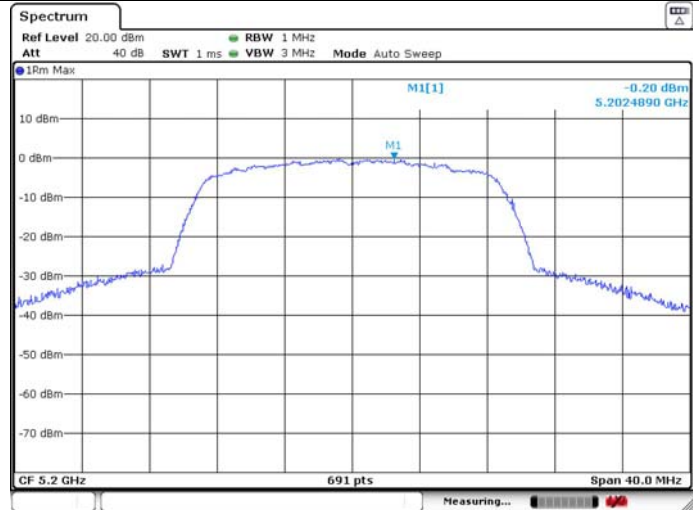


U-NII-1 IEEE 802.11n HT20 5200MHz

ANT 1



ANT 2

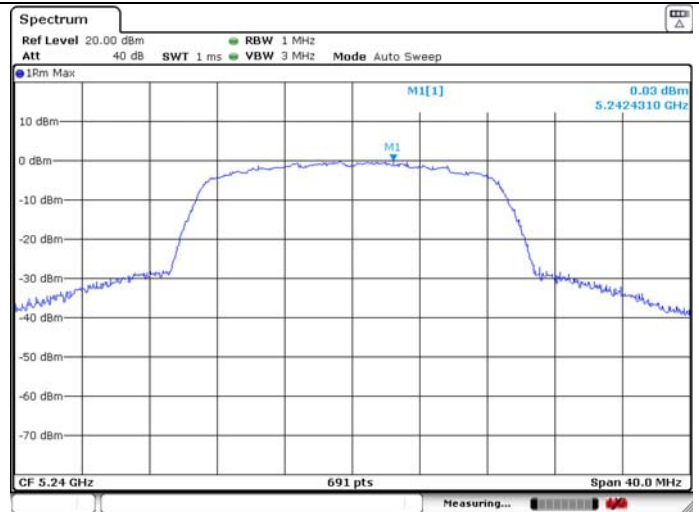


U-NII-1 IEEE 802.11n HT20 5240MHz

ANT 1



ANT 2

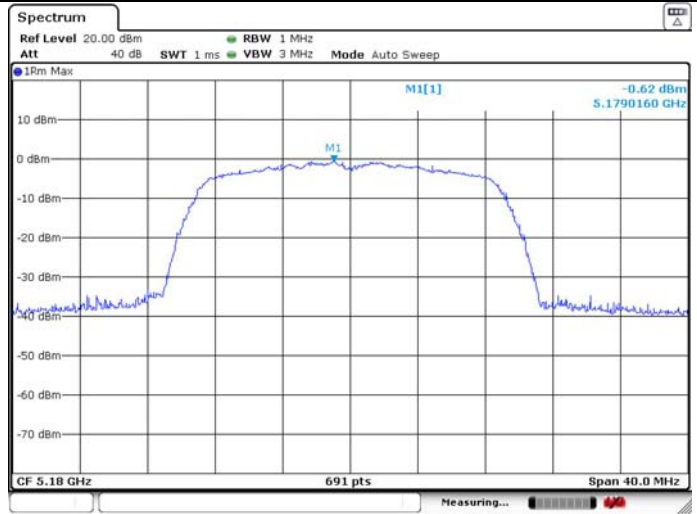


U-NII-1 IEEE 802.11ac VHT20 5180MHz

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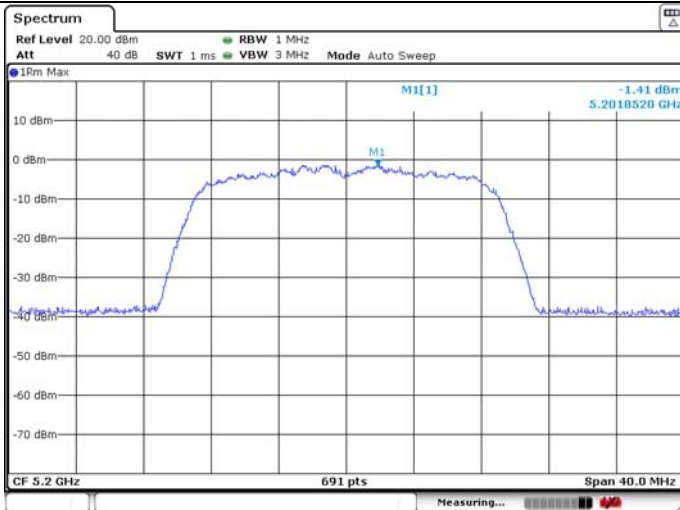


ANT 2



U-NII-1 IEEE 802.11ac VHT20 5200MHz

ANT 1



ANT 2



U-NII-1 IEEE 802.11ac VHT20 5240MHz

ANT 1

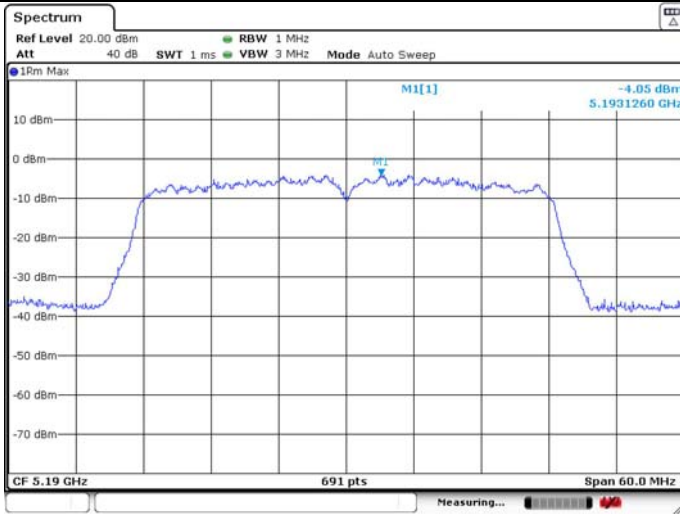


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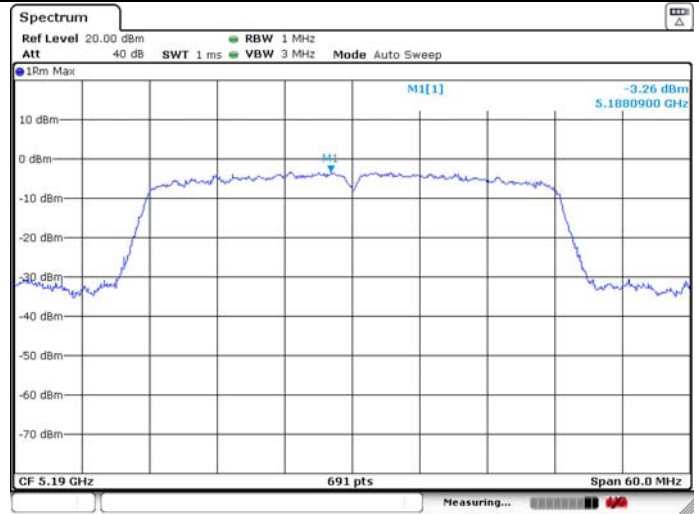


U-NII-1 IEEE 802.11n HT40 5190MHz

ANT 1

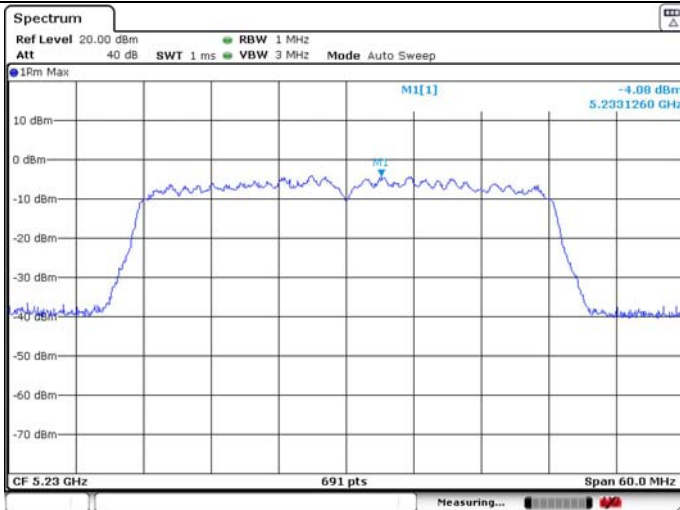


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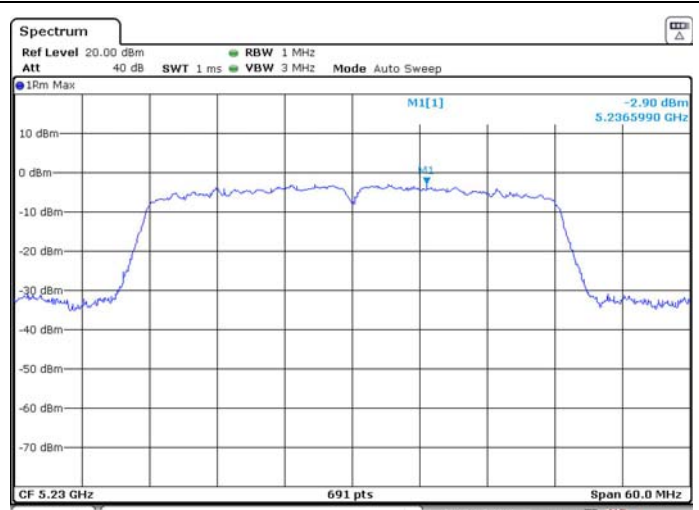


U-NII-1 IEEE 802.11n HT40 5230MHz

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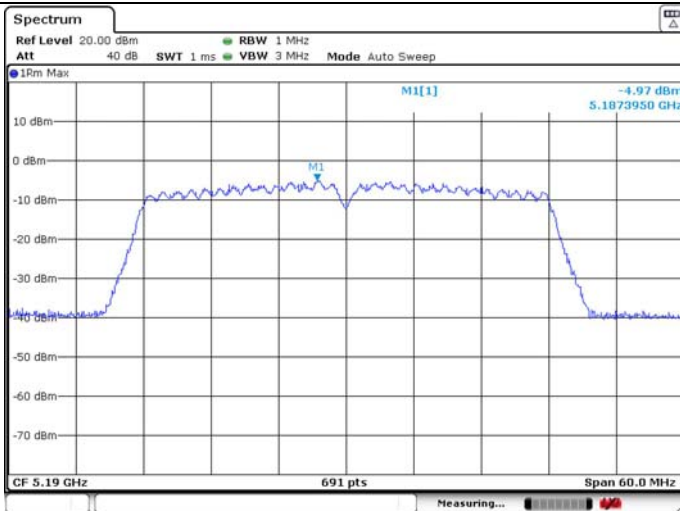


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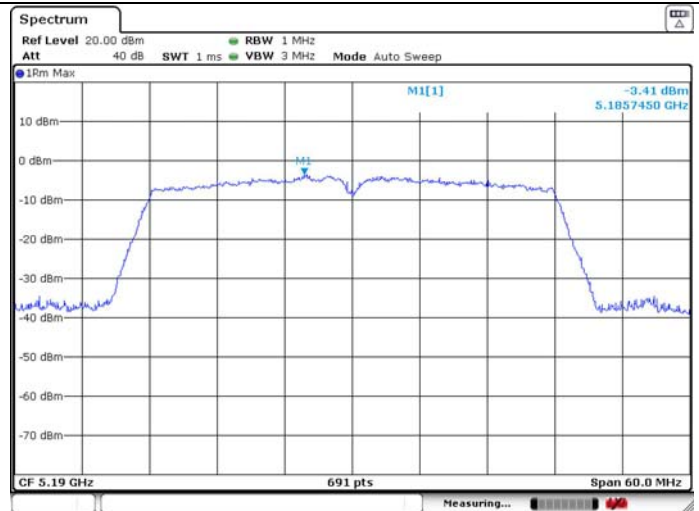


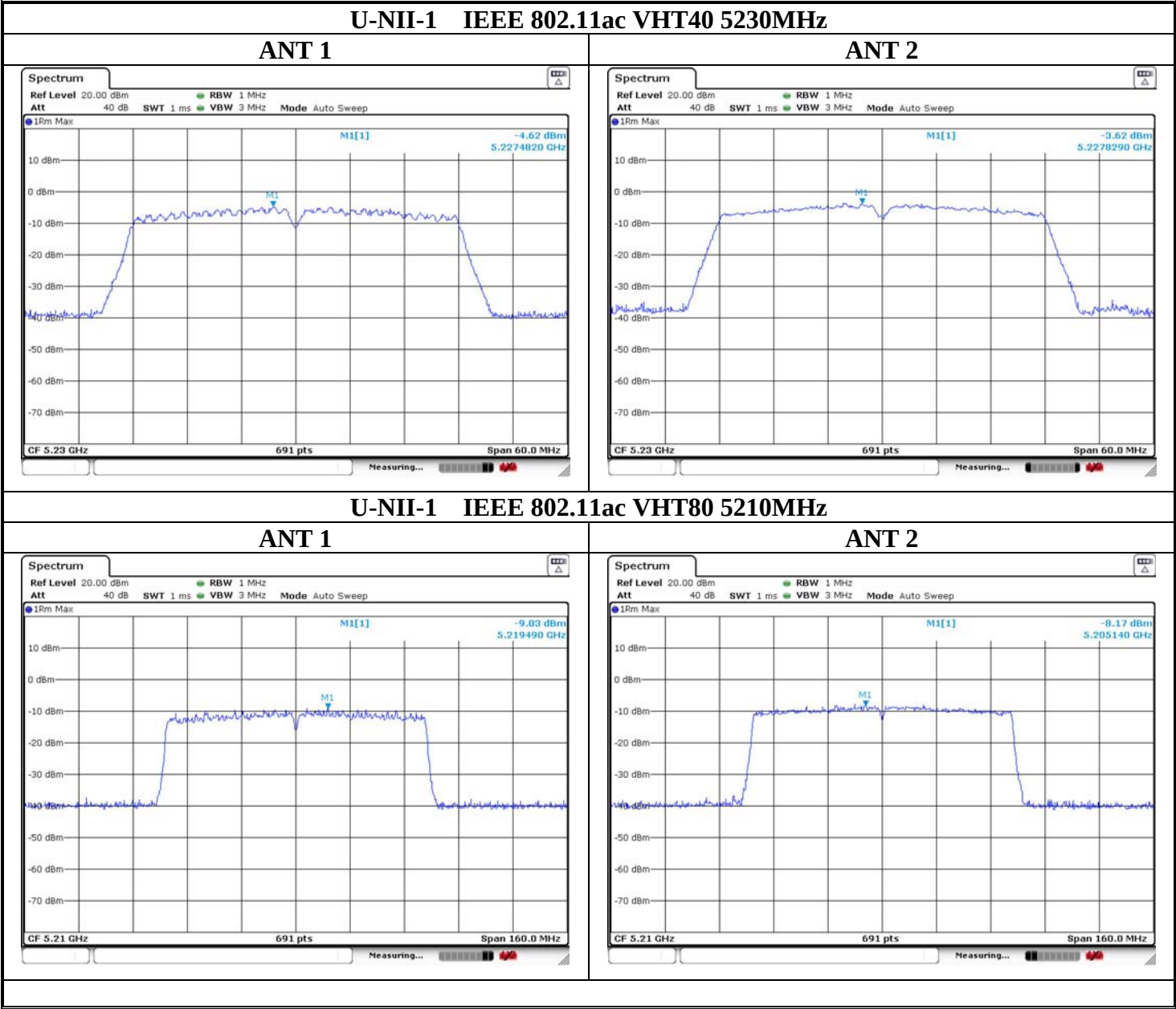
U-NII-1 IEEE 802.11ac VHT40 5190MHz

ANT 1



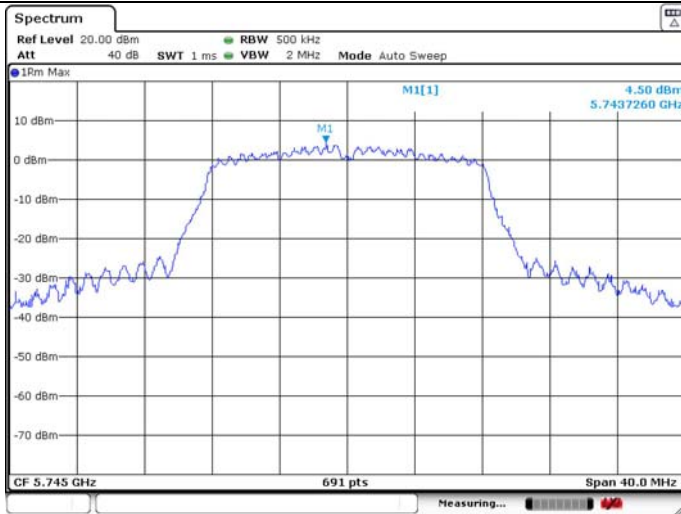
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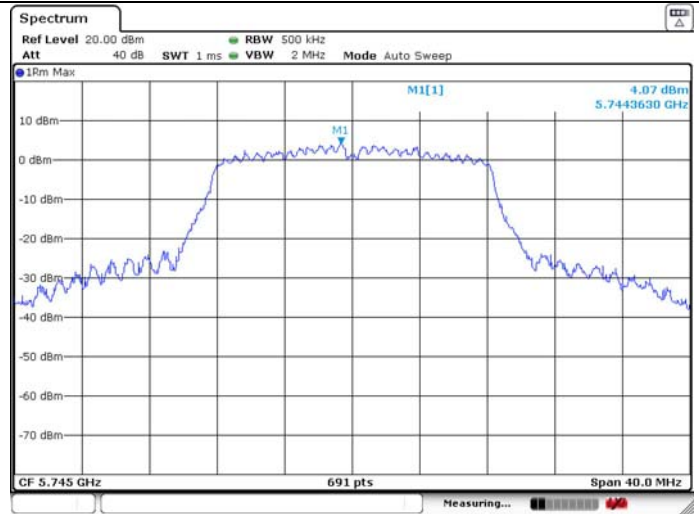


U-NII-3 IEEE 802.11a 5745MHz

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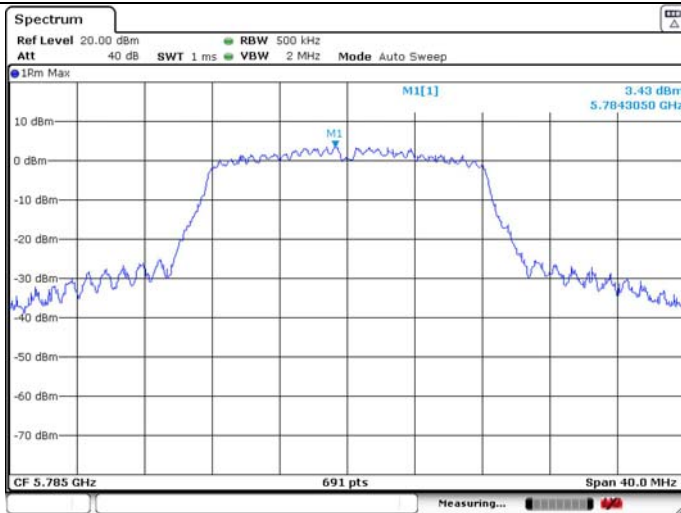


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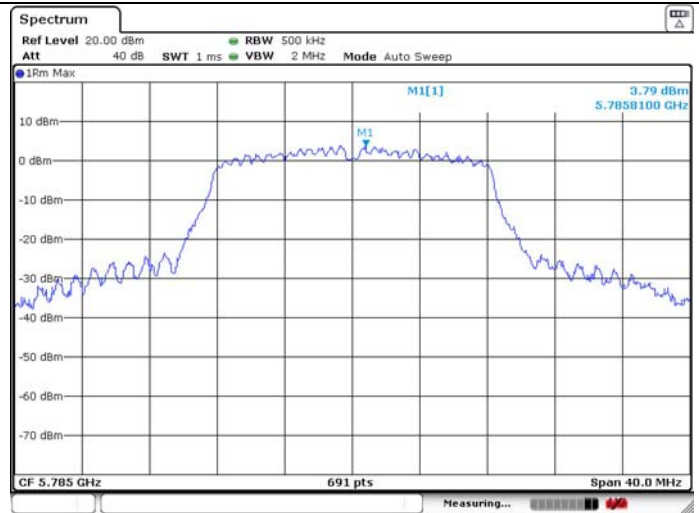


U-NII-3 IEEE 802.11a 5785MHz

ANT 1

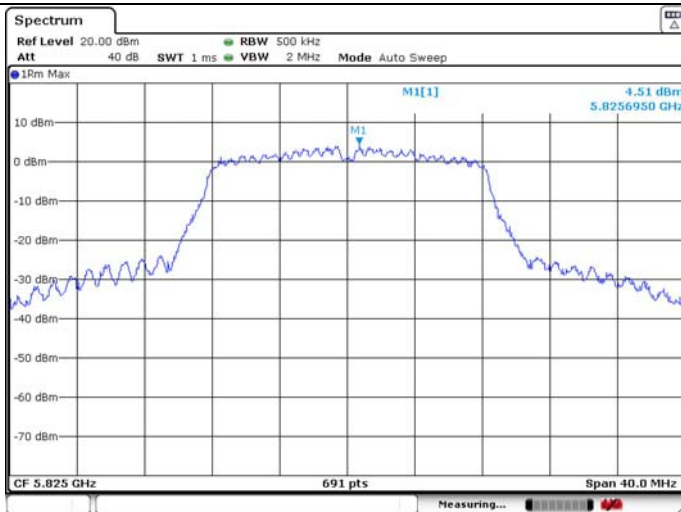


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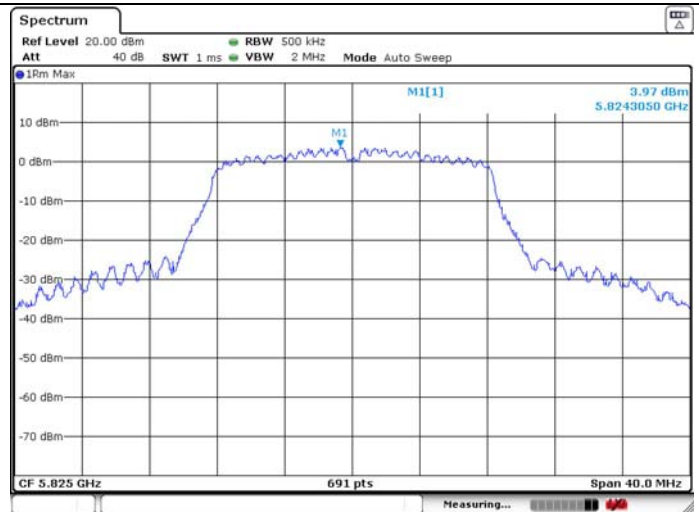


U-NII-3 IEEE 802.11a 5825MHz

ANT 1

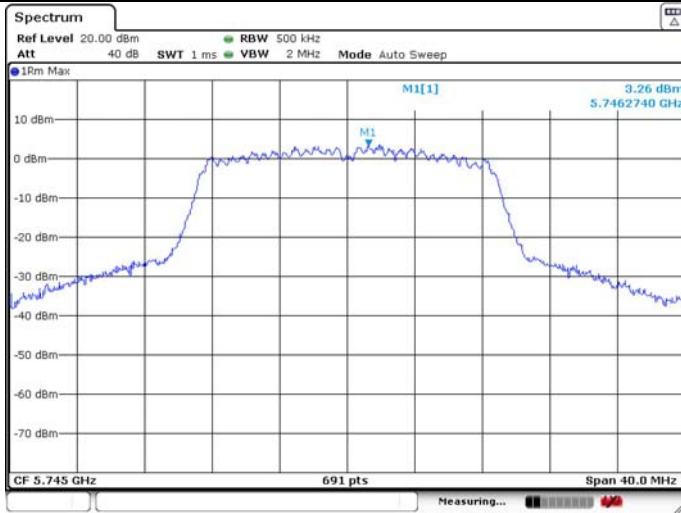


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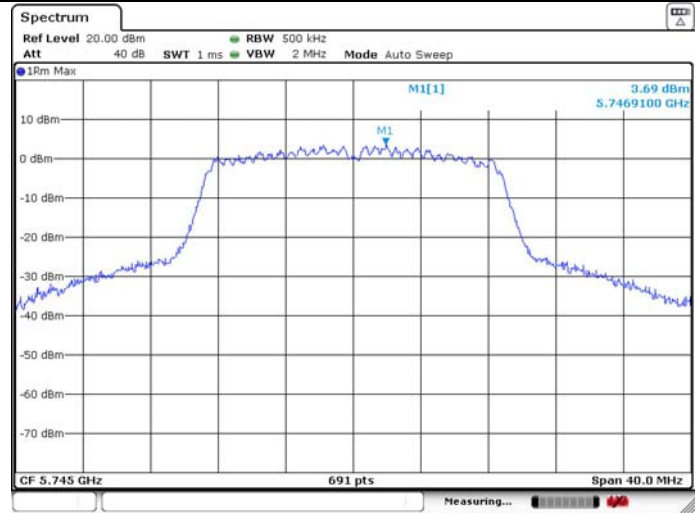


U-NII-3 IEEE 802.11n HT20 5745MHz

ANT 1

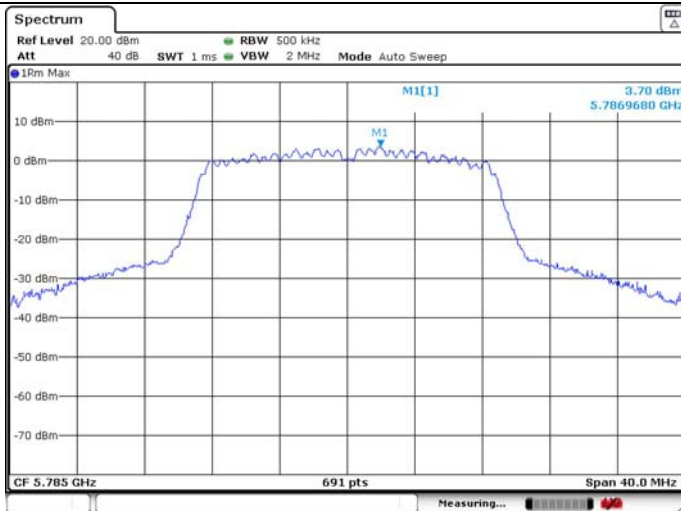


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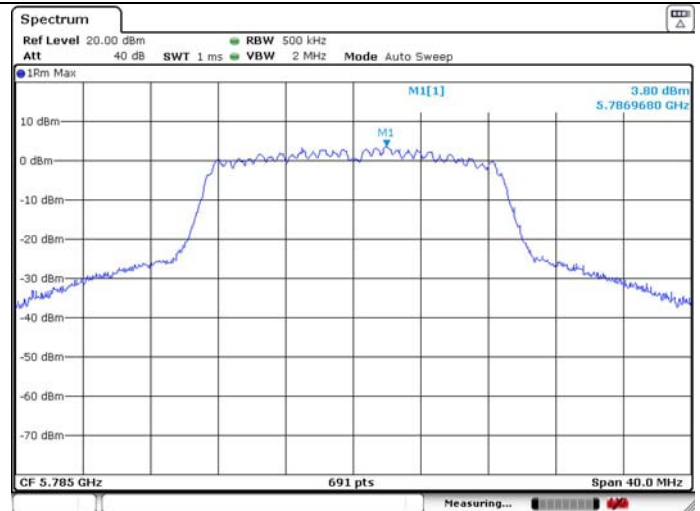


U-NII-3 IEEE 802.11n HT20 5785MHz

ANT 1

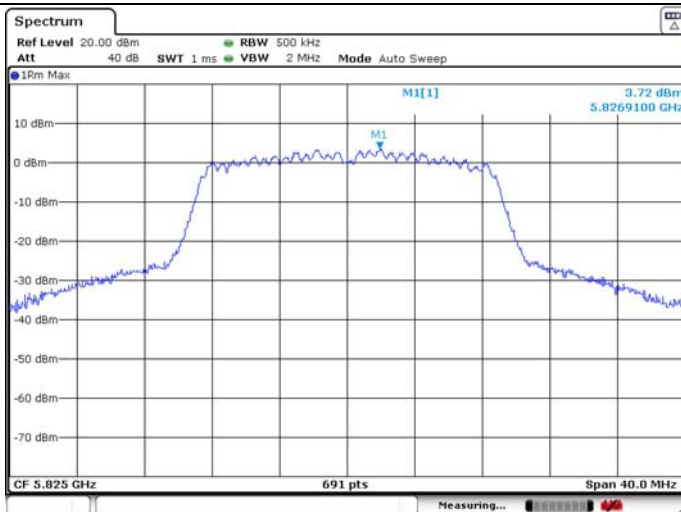


ANT 2

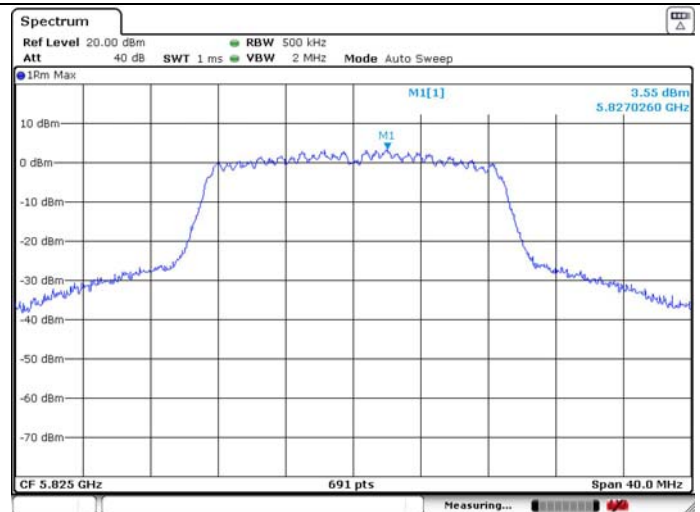


U-NII-3 IEEE 802.11n HT20 5825MHz

ANT 1

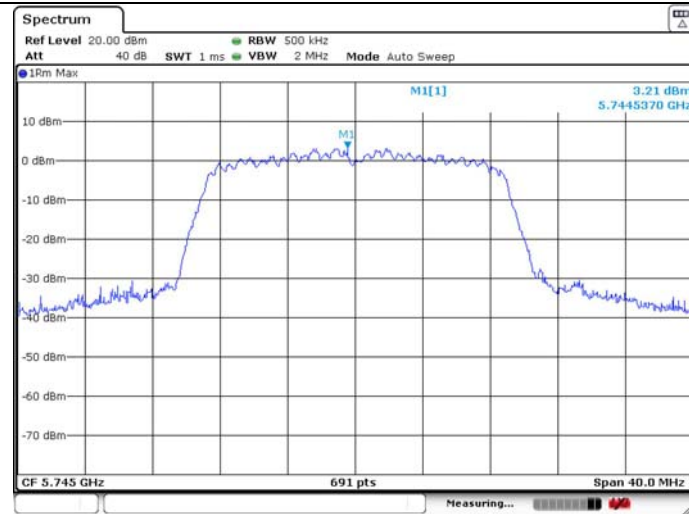


ANT 2

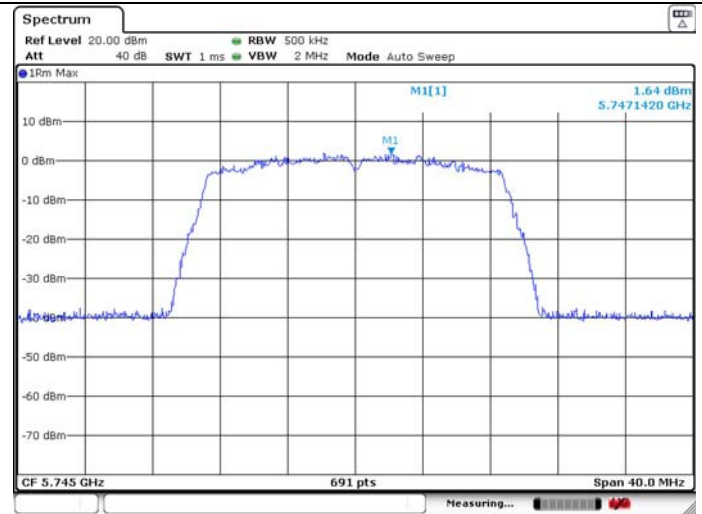


U-NII-3 IEEE 802.11ac VHT20 5745MHz

ANT 1

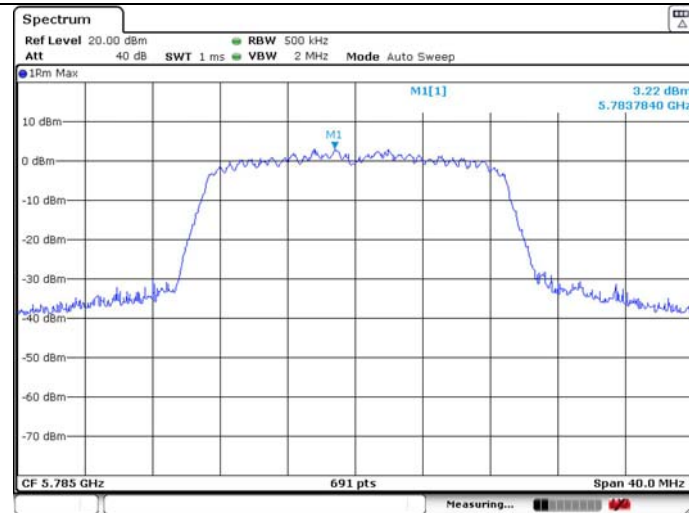


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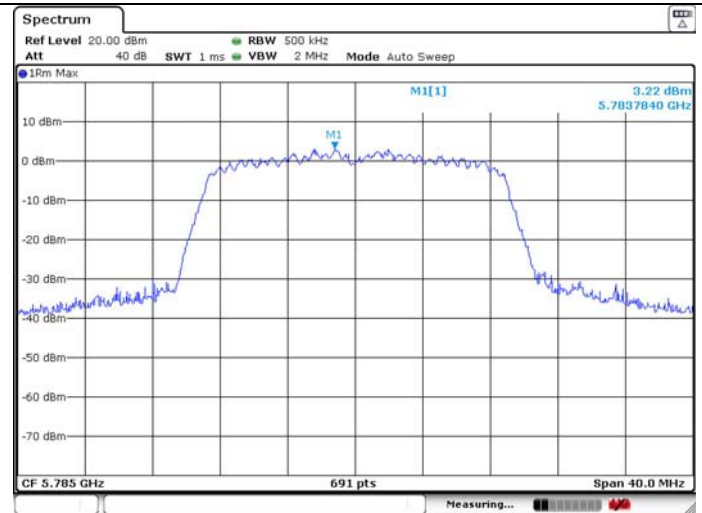


U-NII-3 IEEE 802.11ac VHT20 5785MHz

ANT 1



ANT 2



U-NII-3 IEEE 802.11ac VHT20 5825MHz

ANT 1



ANT 2

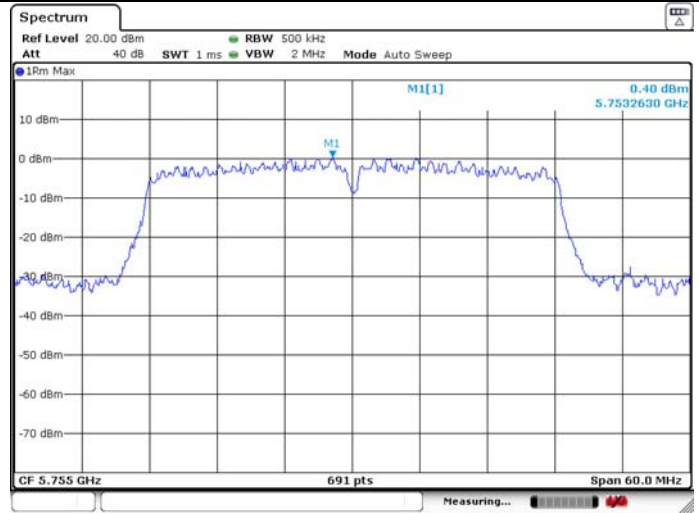


U-NII-3 IEEE 802.11n HT40 5755MHz

ANT 1



ANT 2

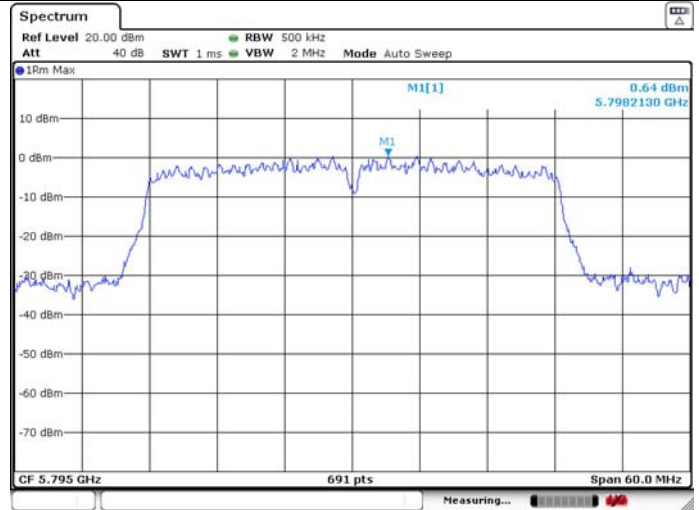


U-NII-3 IEEE 802.11n HT40 5795MHz

ANT 1

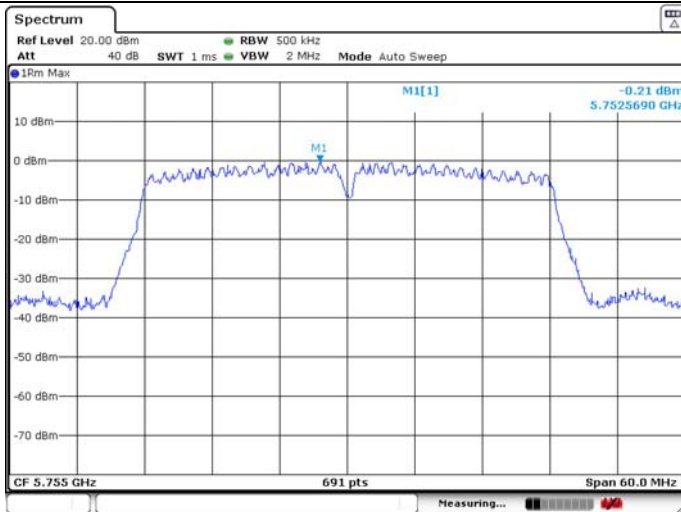


ANT 2

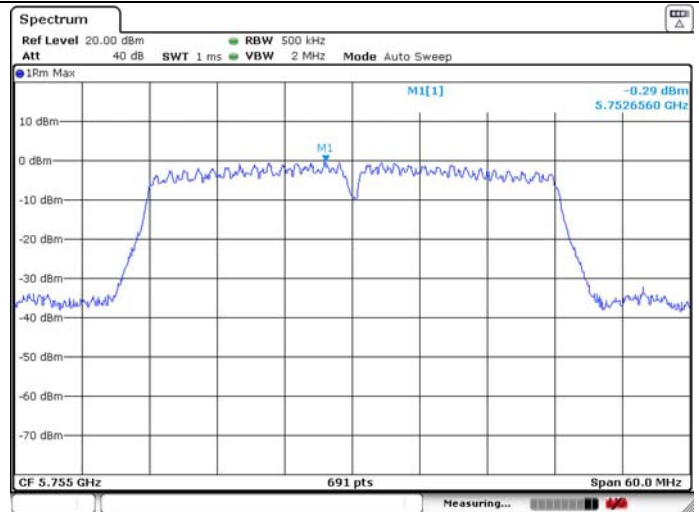


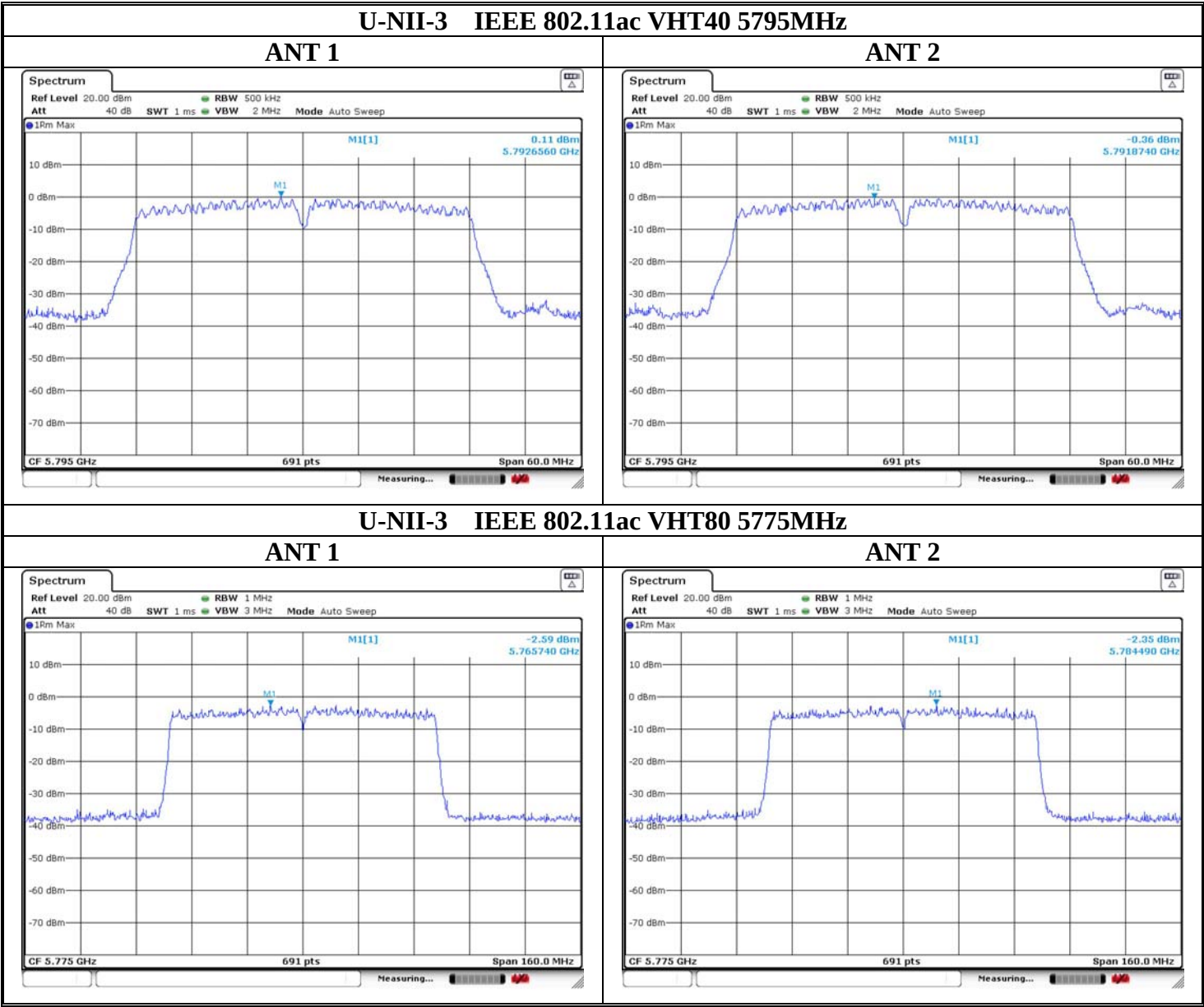
U-NII-3 IEEE 802.11ac VHT40 5755MHz

ANT 1



ANT 2





U-NII-3 IEEE 802.11ac VHT80 5775MHz

ANT 1

Spectrum
Ref Level 20.00 dBm
Att 40 dB
RBW 1 MHz
VBW 3 MHz
Mode Auto Sweep
M1
-2.59 dBm
5.765740 GHz
CF 5.775 GHz
691 pts
Span 160.0 MHz

ANT 2

Spectrum
Ref Level 20.00 dBm
Att 40 dB
RBW 1 MHz
VBW 3 MHz
Mode Auto Sweep
M1
-2.35 dBm
5.784490 GHz
CF 5.775 GHz
691 pts
Span 160.0 MHz

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(μ V/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

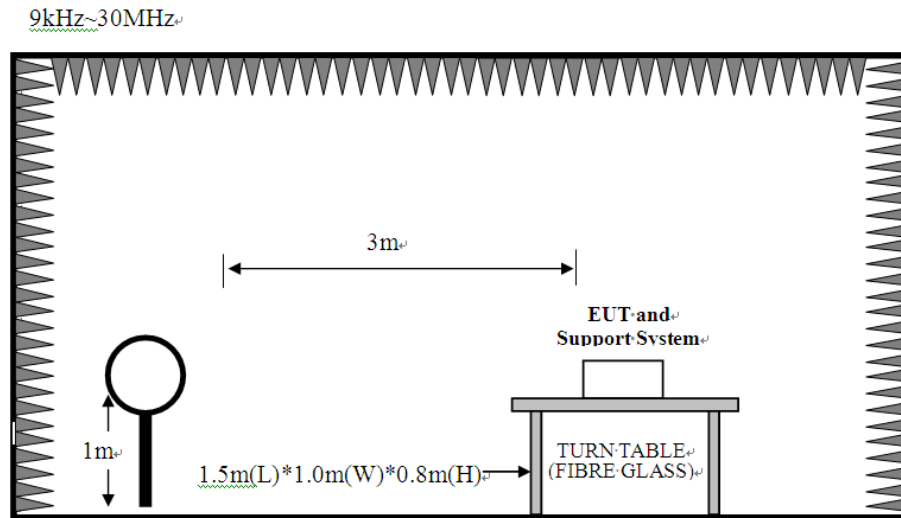
MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 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)

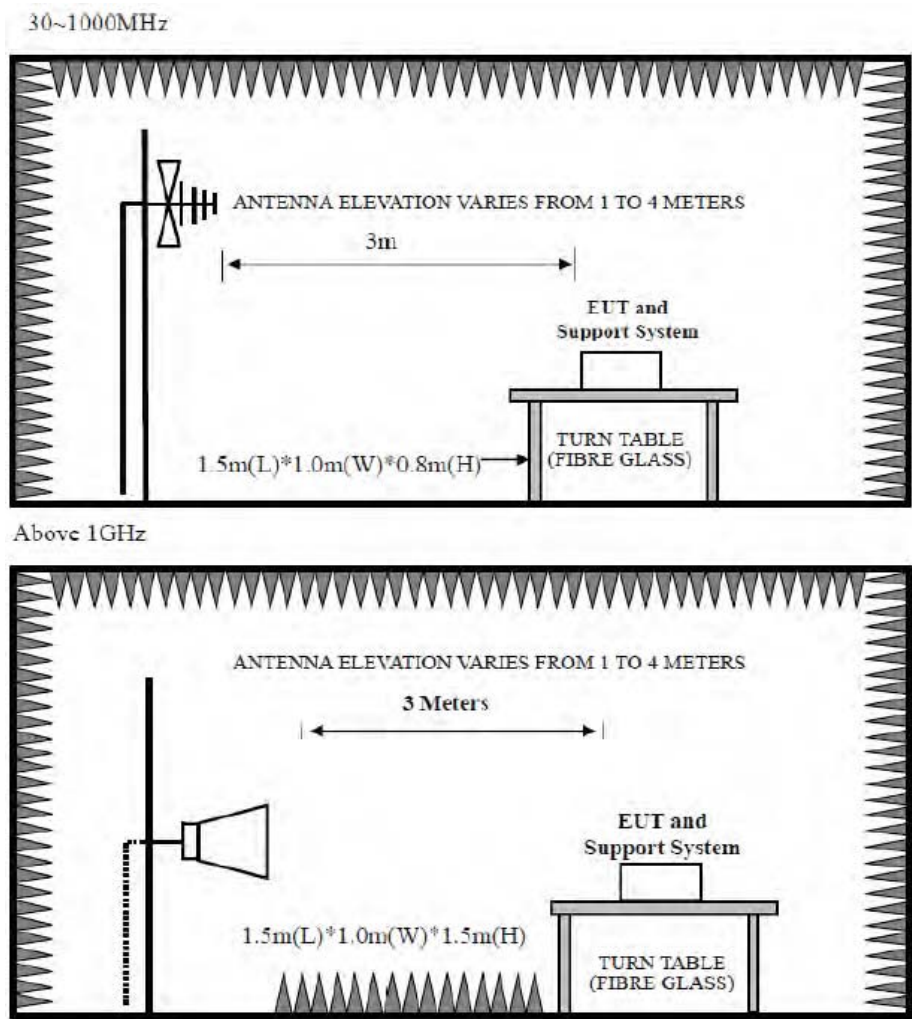
Note:

1. $\text{dB}\mu\text{V/m} = 20 \log(\mu\text{V/m})$
2. Above 1GHz the formula is used to convert the EIRP to field strength

$$E[\text{dB}\mu\text{V/m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{m}]) + 104.77,$$
 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($\text{dB}\mu\text{V/m}$)= $\text{EIRP} - 20 \log(3) + 104.77 = \text{EIRP} + 95.2$

6.2. Test Setup





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 $\geq 98\%$, VBW=10Hz Duty cycle $< 98\%$, VBW $\geq 1/T$ Video bandwidth mode=RMS (power averaging)
Start frequency	1GHz	
Stop frequency	25GHz	
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

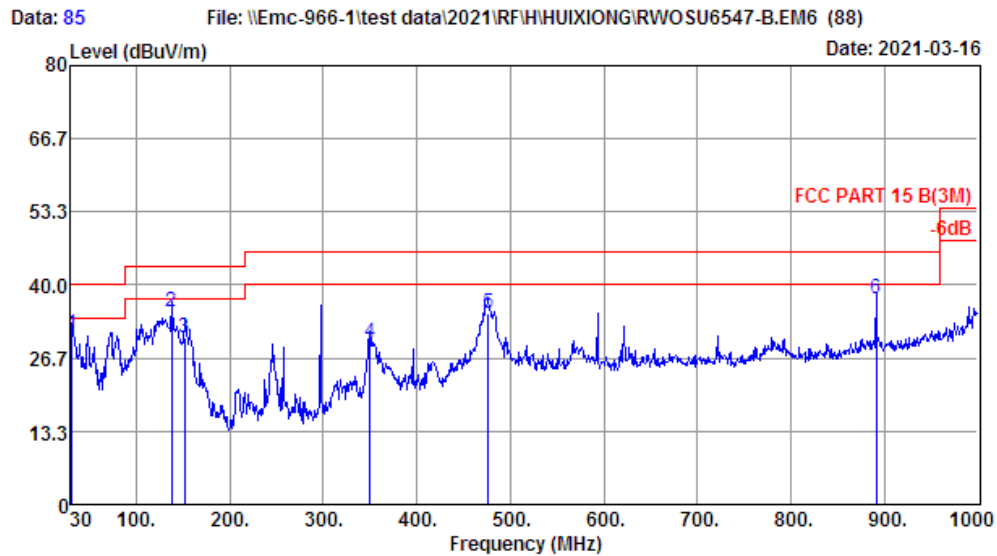
- EUT was placed on a turn table, which is 0.8 meter high above ground for below 1GHz test, and which is 1.5 meter high above ground for above 1GHz test.
- EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower.
- Set the EUT transmit continuously with maximum output power.
- The turn table can rotate 360 degrees to determine the position of the maximum emission level.
- 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.
- Spectrum analyzer setting parameters in accordance with section 6.3.
- Repeat above procedures until all channels were measured.
- Record the results in the test report.

6.5. Test Result

Radiated Emissions Below 1GHz

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878



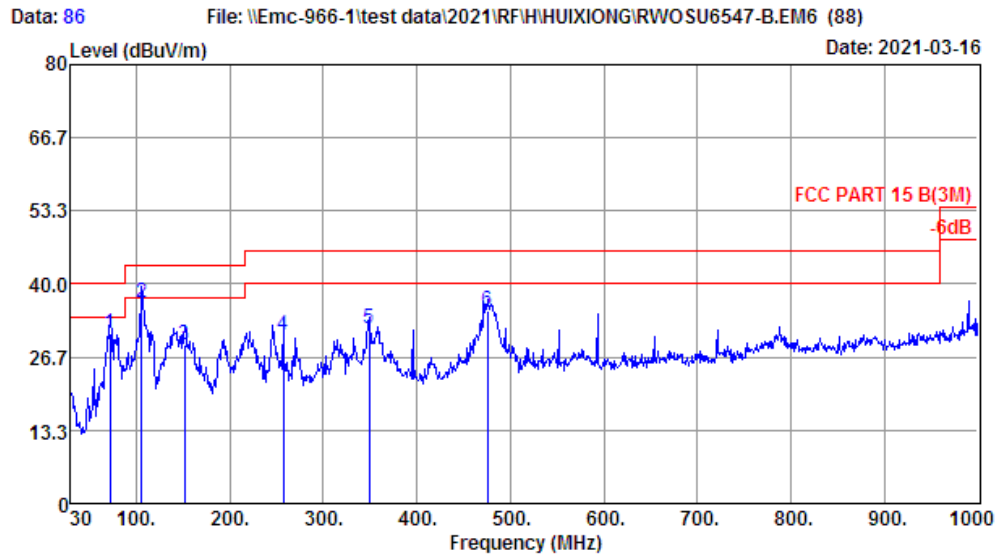
Site no. : 1# 966 Chamber Data no. : 85
Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
Limit : FCC PART 15 B(3M)
Env. / Ins. : Temp:26.5'; Humi:48%; Press:101.43kPa
Engineer : Pluto
EUT : 65INCH SMART 4K UHD WEBOS TV
Power : AC 120V/60Hz
M/N : RWOSU6547-B
Test Mode : TX Mode

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.97	17.60	0.14	13.24	30.98	40.00	9.02	QP
2	137.67	12.14	1.02	21.85	35.01	43.50	8.49	QP
3	151.25	11.54	1.09	17.89	30.52	43.50	12.98	QP
4	350.10	15.40	2.11	11.99	29.50	46.00	16.50	QP
5	476.20	17.82	2.62	14.39	34.83	46.00	11.17	QP
6	891.36	23.90	3.86	9.86	37.62	46.00	8.38	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.

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878



Site no. : 1# 966 Chamber Data no. : 86
 Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:26.5'; Humi:48%; Press:101.43kPa
 Engineer : Pluto
 EUT : 65INCH SMART 4K UHD WEBOS TV
 Power : AC 120V/60Hz
 M/N : RWOSU6547-B
 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	71.71	6.58	0.57	23.81	30.96	40.00	9.04	QP
2	105.66	10.28	0.91	25.33	36.52	43.50	6.98	QP
3	151.25	11.54	1.09	16.40	29.03	43.50	14.47	QP
4	256.98	13.54	1.67	15.38	30.59	46.00	15.41	QP
5	349.13	15.33	2.10	14.40	31.83	46.00	14.17	QP
6	475.23	17.80	2.63	14.64	35.07	46.00	10.93	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:

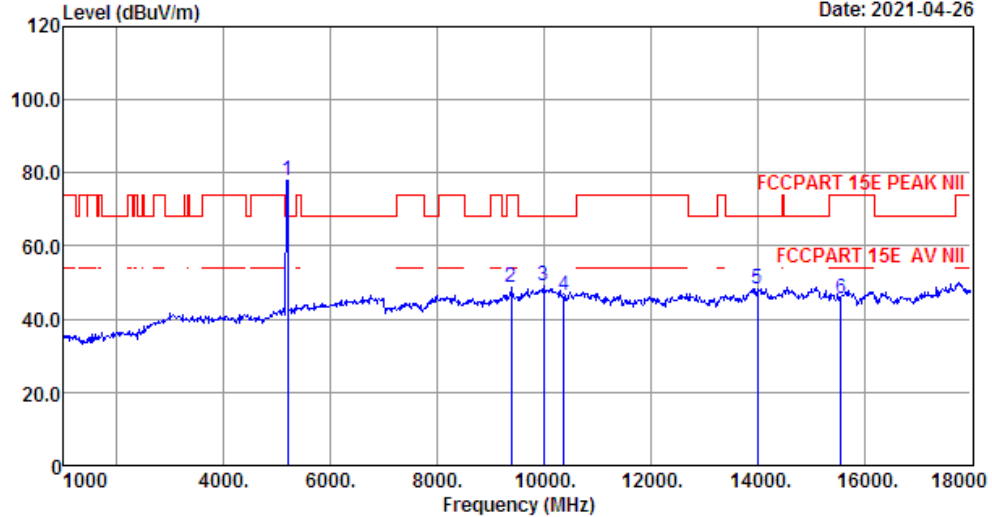
1. The amplitude of 9KHz to 30MHz spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.
2. All channels had been pre-test, only the worst case was reported.

Radiated Emissions Above 1G

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 1 File: \\Emc-966-1\test data\2021\RF\H\HUIXIONG\RWOSU6547-B-1.EM6 (12) Date: 2021-04-26



Site no. : 1# 966 Chamber Data no. : 1
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:27.2';Humi:50.5%;Press:101.52kPa
Engineer : DUO
EUT : 65INCH SMART 4K UHD WEBOS TV
Power : AC 120V/60Hz
M/N : RWOSU6547-B
Test Mode : IEEE 802.11n HT40 TX 5190MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5190.00	32.20	3.52	34.63	76.86	77.95	68.20	-9.75	Peak
2	9381.00	37.66	5.45	34.32	39.73	48.52	74.00	25.48	Peak
3	9993.00	38.90	5.89	34.20	38.45	49.04	68.20	19.16	Peak
4	10380.00	39.29	5.99	34.32	35.35	46.31	68.20	21.89	Peak
5	14005.00	41.10	6.53	34.30	35.14	48.47	68.20	19.73	Peak
6	15570.00	40.27	6.50	34.37	33.16	45.56	74.00	28.44	Peak

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

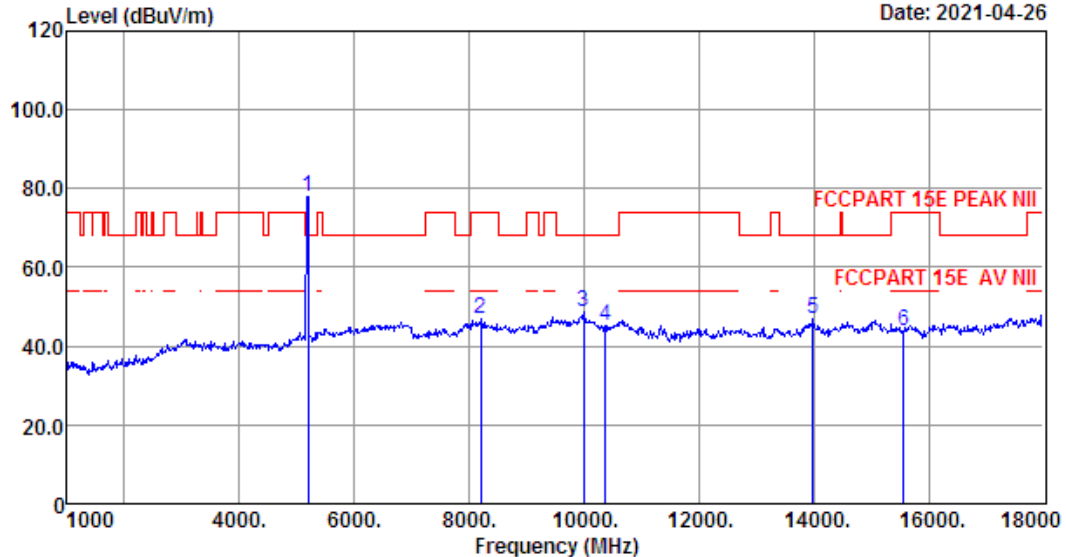
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 2

File: \\Emc-966-1\test data\2021\RF\HUIXIONG\RWOSU6547-B-1.EM6 (12)

Date: 2021-04-26



Site no. : 1# 966 Chamber Data no. : 2
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:27.2';Humi:50.5%;Press:101.52kPa
Engineer : DUO
EUT : 65INCH SMART 4K UHD WEBOS TV
Power : AC 120V/60Hz
M/N : RWOSU6547-B
Test Mode : IEEE 802.11n HT40 TX 5190MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5190.00	32.20	3.52	34.63	76.94	78.03	68.20	-9.83	Peak
2	8208.00	36.90	5.56	34.80	39.43	47.09	74.00	26.91	Peak
3	9993.00	38.90	5.89	34.20	37.91	48.50	68.20	19.70	Peak
4	10380.00	39.29	5.99	34.32	34.25	45.21	68.20	22.99	Peak
5	13988.00	41.07	6.52	34.30	33.67	46.96	68.20	21.24	Peak
6	15570.00	40.27	6.50	34.37	31.57	43.97	74.00	30.03	Peak

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

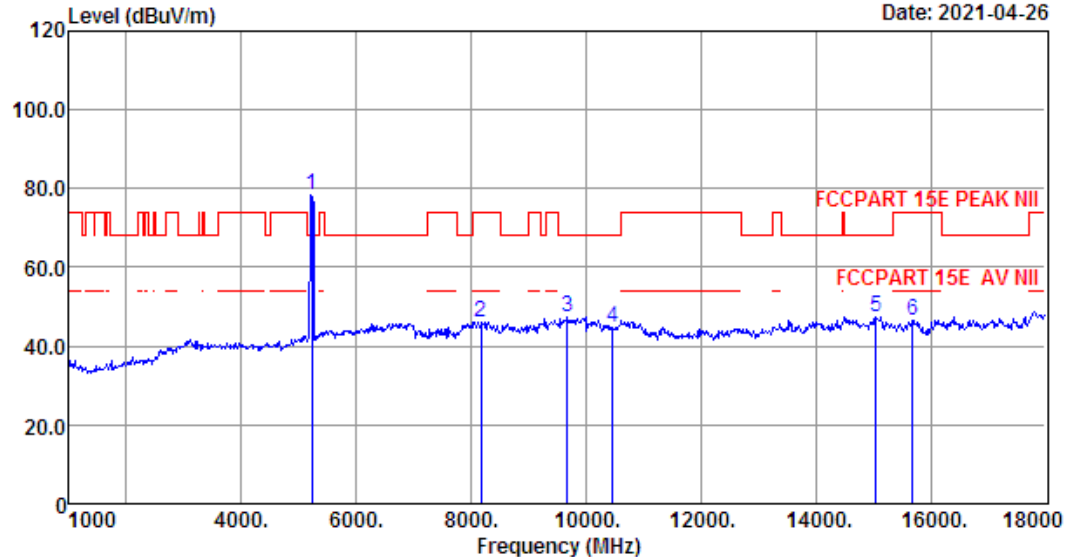
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 3

File: \\Emc-966-1\test data\2021\RF\HUIXIONG\RWOSU6547-B-1.EM6 (12)

Date: 2021-04-26



Site no. : 1# 966 Chamber Data no. : 3
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:27.2';Humi:50.5%;Press:101.52kPa
Engineer : DUO
EUT : 65INCH SMART 4K UHD WEBOS TV
Power : AC 120V/60Hz
M/N : RWOSU6547-B
Test Mode : IEEE 802.11n HT40 TX 5230MHz

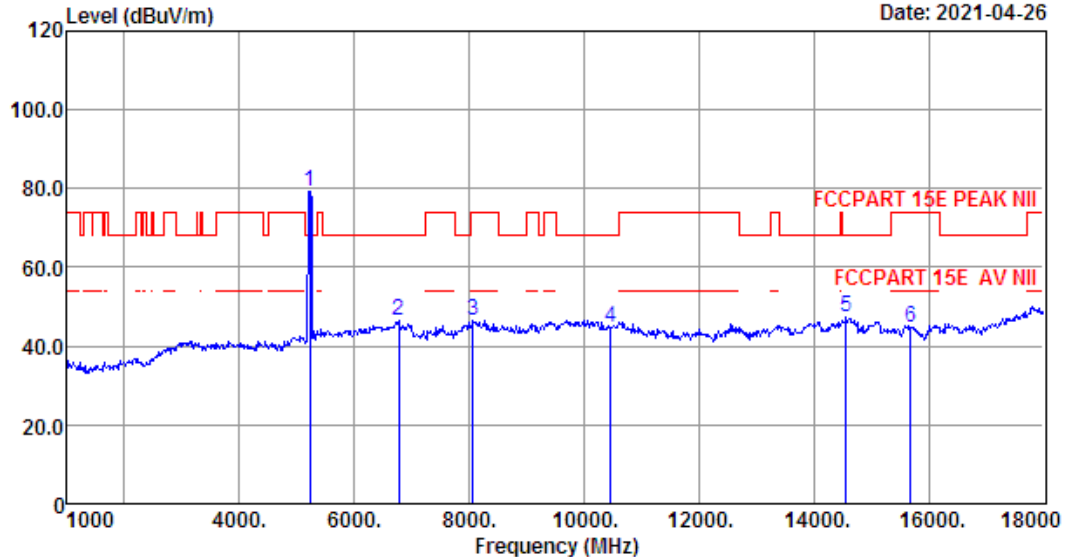
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5230.00	32.31	3.55	34.61	77.10	78.35	68.20	-10.15	Peak
2	8174.00	36.90	5.60	34.82	38.55	46.23	74.00	27.77	Peak
3	9670.00	38.24	5.63	34.27	37.69	47.29	68.20	20.91	Peak
4	10460.00	39.36	6.01	34.34	33.86	44.89	68.20	23.31	Peak
5	15042.00	40.86	6.78	34.59	34.37	47.42	68.20	20.78	Peak
6	15690.00	40.14	6.61	34.32	33.86	46.29	74.00	27.71	Peak

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

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 4 File: \\Emc-966-1\test data\2021\RF\HUIXIONG\RWOSU6547-B-1.EM6 (12) Date: 2021-04-26



Site no. : 1# 966 Chamber Data no. : 4
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:27.2';Humi:50.5%;Press:101.52kPa
Engineer : DUO
EUT : 65INCH SMART 4K UHD WEBOS TV
Power : AC 120V/60Hz
M/N : RWOSU6547-B
Test Mode : IEEE 802.11n HT40 TX 5230MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5230.00	32.31	3.55	34.61	77.93	79.18	68.20	-10.98	Peak
2	6780.00	35.26	4.95	34.69	41.18	46.70	68.20	21.50	Peak
3	8072.00	36.90	5.73	34.87	38.87	46.63	74.00	27.37	Peak
4	10460.00	39.36	6.01	34.34	33.88	44.91	68.20	23.29	Peak
5	14566.00	40.99	6.89	34.47	33.85	47.26	68.20	20.94	Peak
6	15690.00	40.14	6.61	34.32	32.45	44.88	74.00	29.12	Peak

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

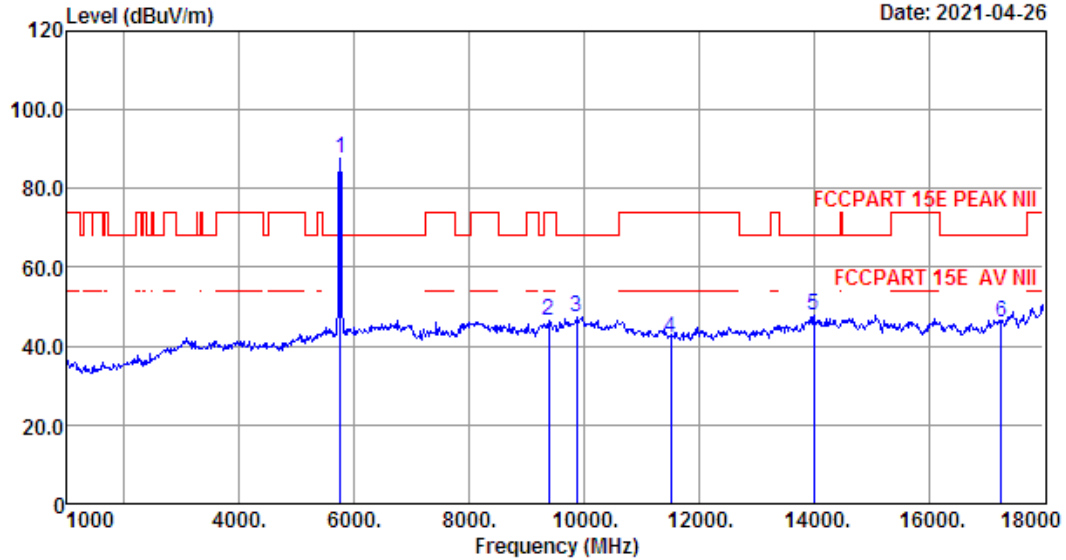
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 5

File: \\Emc-966-1\test data\2021\RF\HUIXIONG\RWOSU6547-B-1.EM6 (12)

Date: 2021-04-26



Site no. : 1# 966 Chamber Data no. : 5
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:27.2';Humi:50.5%;Press:101.52kPa
Engineer : DUO
EUT : 65INCH SMART 4K UHD WEBOS TV
Power : AC 120V/60Hz
M/N : RWOSU6547-B
Test Mode : IEEE 802.11n HT40 TX 5755MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5755.00	32.85	4.03	34.39	85.06	87.55	68.20	-19.35	Peak
2	9381.00	37.66	5.45	34.32	37.52	46.31	74.00	27.69	Peak
3	9874.00	38.66	5.80	34.22	37.26	47.50	68.20	20.70	Peak
4	11510.00	39.90	6.15	34.65	30.86	42.26	74.00	31.74	Peak
5	14005.00	41.10	6.53	34.30	34.53	47.86	68.20	20.34	Peak
6	17265.00	43.07	7.69	34.37	29.53	45.92	68.20	22.28	Peak

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

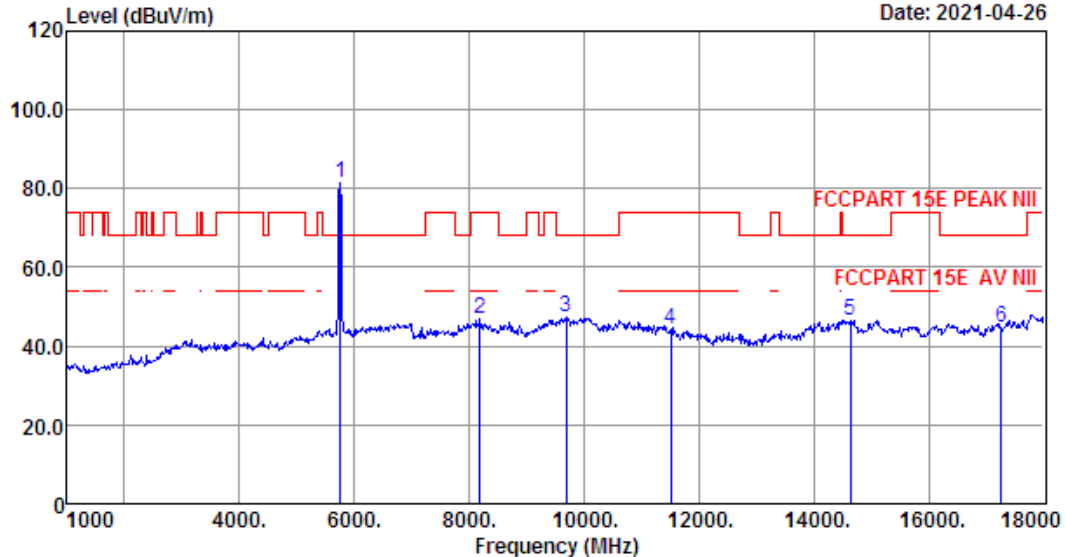
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 6

File: \\Emc-966-1\test data\2021\RF\HUIXIONG\RWOSU6547-B-1.EM6 (12)

Date: 2021-04-26



Site no. : 1# 966 Chamber Data no. : 6
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:27.2';Humi:50.5%;Press:101.52kPa
 Engineer : DUO
 EUT : 65INCH SMART 4K UHD WEBOS TV
 Power : AC 120V/60Hz
 M/N : RWOSU6547-B
 Test Mode : IEEE 802.11n HT40 TX 5755MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5755.00	32.85	4.03	34.39	78.77	81.26	68.20	-13.06	Peak
2	8191.00	36.90	5.58	34.81	39.35	47.02	74.00	26.98	Peak
3	9687.00	38.28	5.65	34.26	37.65	47.32	68.20	20.88	Peak
4	11510.00	39.90	6.15	34.65	32.90	44.30	74.00	29.70	Peak
5	14634.00	40.97	6.88	34.49	33.10	46.46	68.20	21.74	Peak
6	17265.00	43.07	7.69	34.37	28.23	44.62	68.20	23.58	Peak

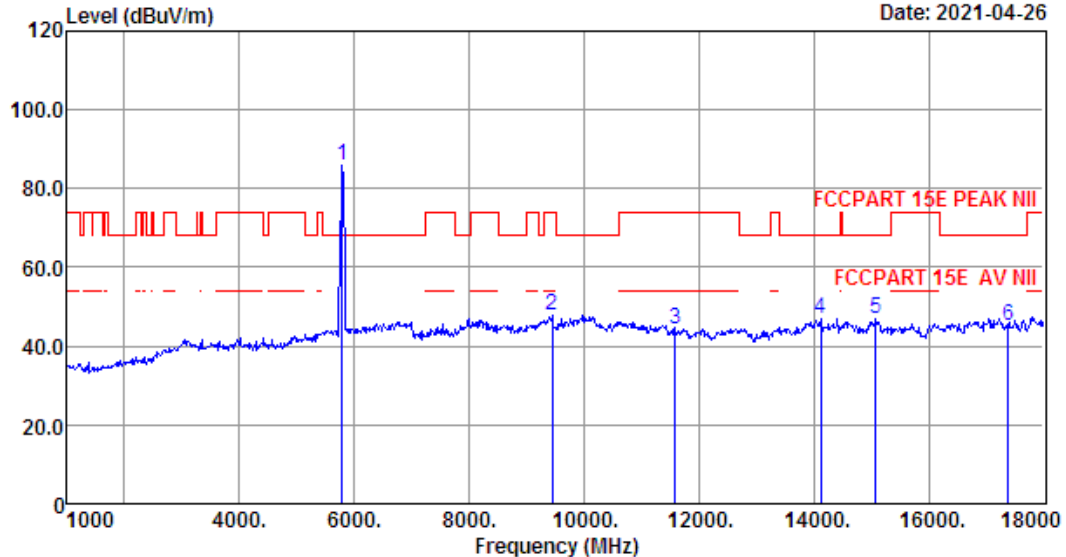
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 7 File: \\Emc-966-1\test data\2021\RF\HUIXIONG\RWOSU6547-B-1.EM6 (12)

Date: 2021-04-26



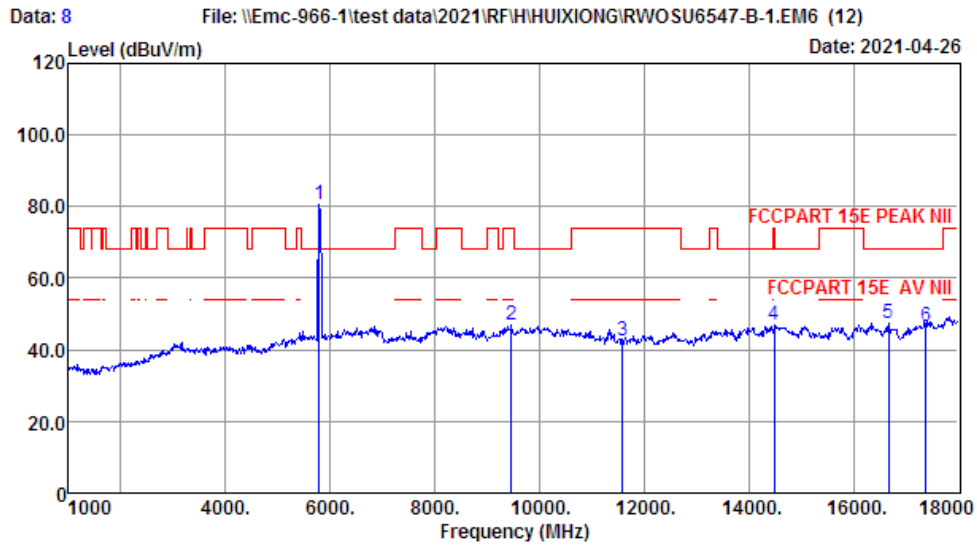
Site no. : 1# 966 Chamber Data no. : 7
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:27.2';Humi:50.5%;Press:101.52kPa
Engineer : DUO
EUT : 65INCH SMART 4K UHD WEBOS TV
Power : AC 120V/60Hz
M/N : RWOSU6547-B
Test Mode : IEEE 802.11n HT40 TX 5795MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5795.00	32.84	4.07	34.38	83.16	85.69	68.20	-17.49	Peak
2	9449.00	37.80	5.48	34.31	38.96	47.93	74.00	26.07	Peak
3	11590.00	39.90	6.11	34.68	32.99	44.32	74.00	29.68	Peak
4	14124.00	41.08	6.62	34.34	33.47	46.83	68.20	21.37	Peak
5	15076.00	40.82	6.76	34.57	33.94	46.95	68.20	21.25	Peak
6	17385.00	44.02	7.80	34.36	27.87	45.33	68.20	22.87	Peak

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

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878



Site no. : 1# 966 Chamber Data no. : 8
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:27.2';Humi:50.5%;Press:101.52kPa
Engineer : DUO
EUT : 65INCH SMART 4K UHD WEBOS TV
Power : AC 120V/60Hz
M/N : RWOSU6547-B
Test Mode : IEEE 802.11n HT40 TX 5795MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5795.00	32.84	4.07	34.38	77.88	80.41	68.20	-12.21	Peak
2	9466.00	37.83	5.49	34.31	38.03	47.04	74.00	26.96	Peak
3	11590.00	39.90	6.11	34.68	31.27	42.60	74.00	31.40	Peak
4	14481.00	41.01	6.89	34.44	33.32	46.78	74.00	27.22	Peak
5	16674.00	40.55	7.22	34.34	33.86	47.29	68.20	20.91	Peak
6	17385.00	44.02	7.80	34.36	28.99	46.45	68.20	21.75	Peak

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

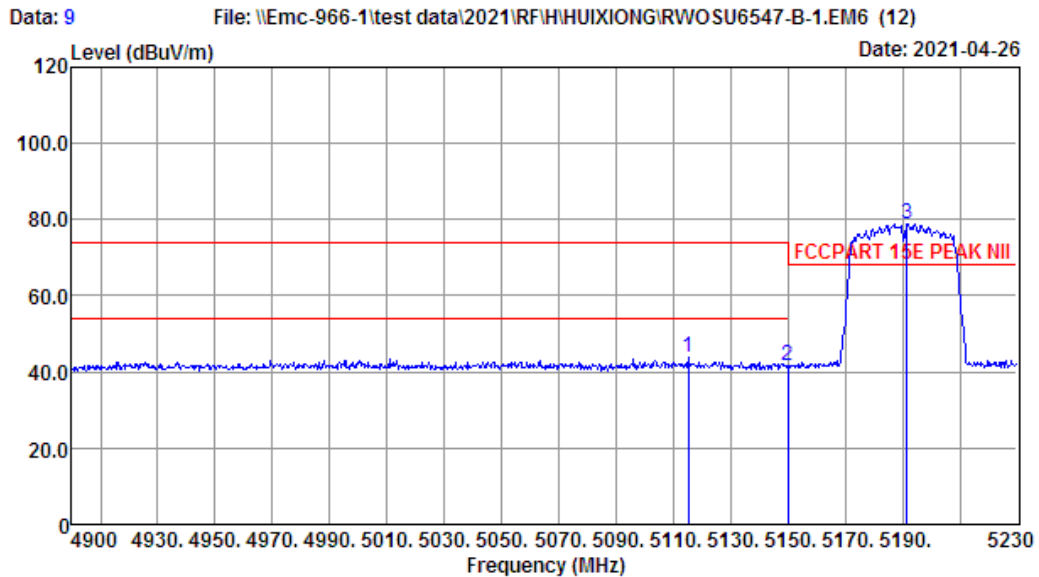
Note:

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

Band Edge

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878



Site no. : 1# 966 Chamber Data no. : 9
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:27.2';Humi:50.5%;Press:101.52kPa
 Engineer : DUO
 EUT : 65INCH SMART 4K UHD WEBOS TV
 Power : AC 120V/60Hz
 M/N : RWOSU6547-B
 Test Mode : IEEE 802.11n HT40 TX 5190MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5115.16	32.06	3.48	34.65	43.00	43.89	74.00	30.11	Peak
2	5150.00	32.13	3.50	34.64	40.81	41.80	68.20	26.40	Peak
3	5191.72	32.24	3.53	34.62	77.80	78.95	68.20	-10.75	Peak

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

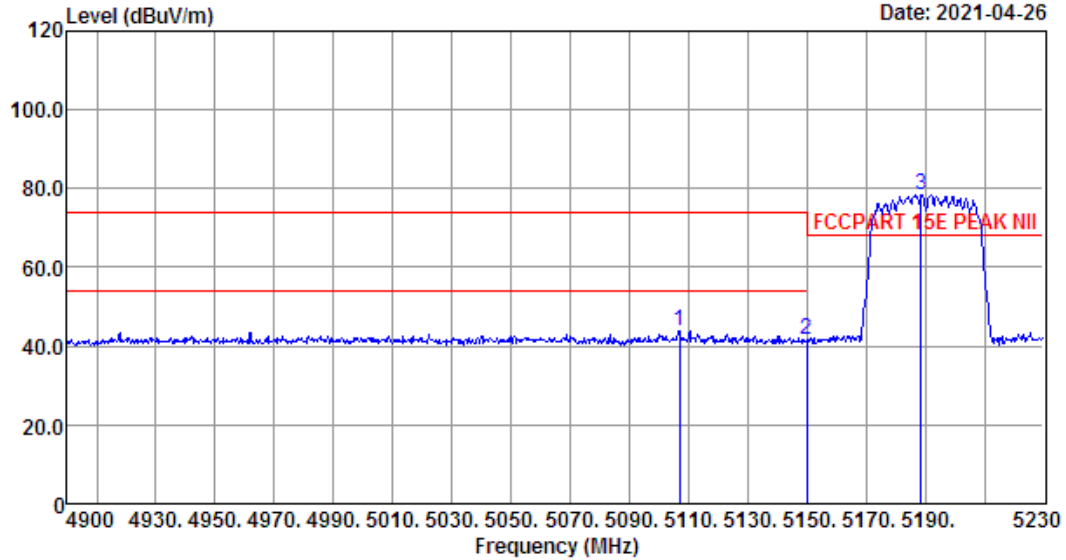
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 10

File: \\Emc-966-1\test data\2021\RF\HUIXIONG\RWOSU6547-B-1.EM6 (12)

Date: 2021-04-26



Site no. : 1# 966 Chamber Data no. : 10
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:27.2';Humi:50.5%;Press:101.52kPa
Engineer : DUO
EUT : 65INCH SMART 4K UHD WEBOS TV
Power : AC 120V/60Hz
M/N : RWOSU6547-B
Test Mode : IEEE 802.11n HT40 TX 5190MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5106.91	32.06	3.48	34.65	42.94	43.83	74.00	30.17	Peak
2	5150.00	32.13	3.50	34.64	40.84	41.83	68.20	26.37	Peak
3	5188.75	32.20	3.52	34.63	77.50	78.59	68.20	-10.39	Peak

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

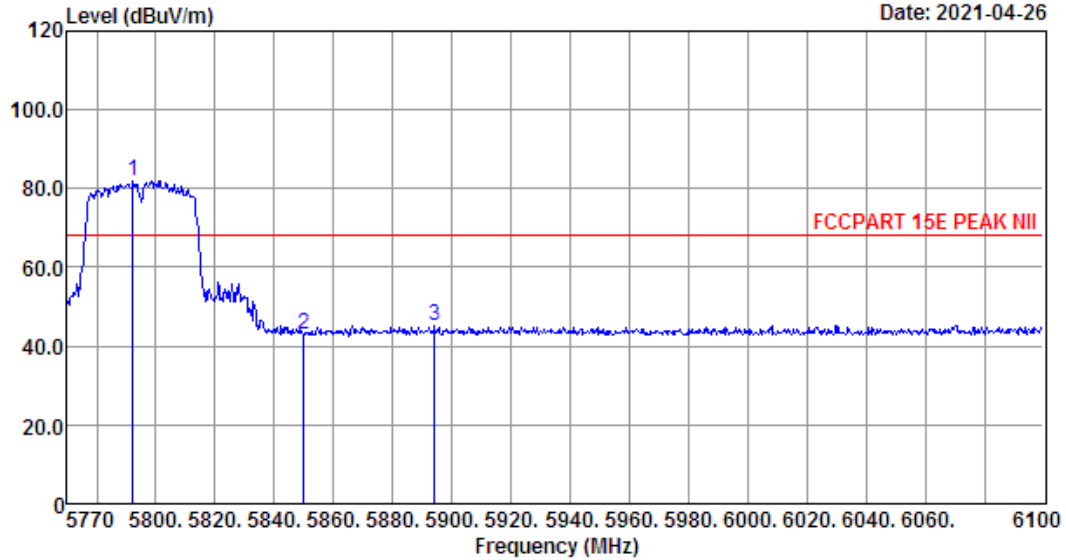
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 11

File: \\Emc-966-1\test data\2021\RF\HUIXIONG\RWOSU6547-B-1.EM6 (12)

Date: 2021-04-26



Site no. : 1# 966 Chamber Data no. : 11
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:27.2';Humi:50.5%;Press:101.52kPa
 Engineer : DUO
 EUT : 65INCH SMART 4K UHD WEBOS TV
 Power : AC 120V/60Hz
 M/N : RWOSU6547-B
 Test Mode : IEEE 802.11n HT40 TX 5795MHz

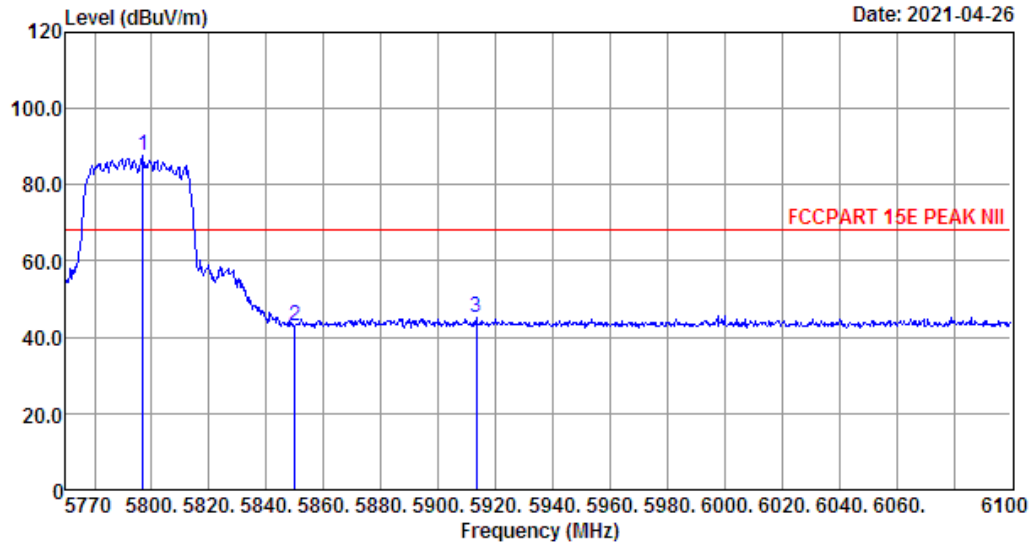
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5792.11	32.84	4.07	34.38	79.50	82.03	68.20	-13.83	Peak
2	5850.00	32.83	4.13	34.36	40.37	42.97	68.20	25.23	Peak
3	5894.08	32.82	4.19	34.34	42.67	45.34	68.20	22.86	Peak

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

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 12 File: \\Emc-966-1\test data\2021\RF\H\HUIXIONG\RWOSU6547-B-1.EM6 (12) Date: 2021-04-26

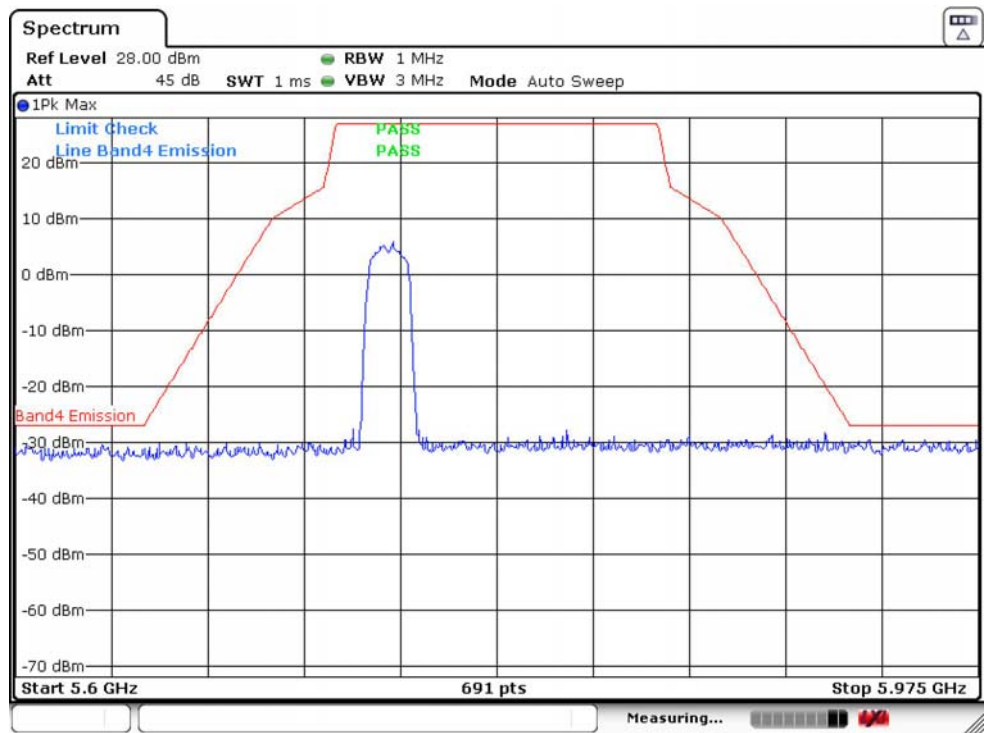


Site no. : 1# 966 Chamber Data no. : 12
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15E PEAK NII
Env. / Ins. : Temp:27.2';Humi:50.5%;Press:101.52kPa
Engineer : DUO
EUT : 65INCH SMART 4K UHD WEBOS TV
Power : AC 120V/60Hz
M/N : RWOSU6547-B
Test Mode : IEEE 802.11n HT40 TX 5795MHz

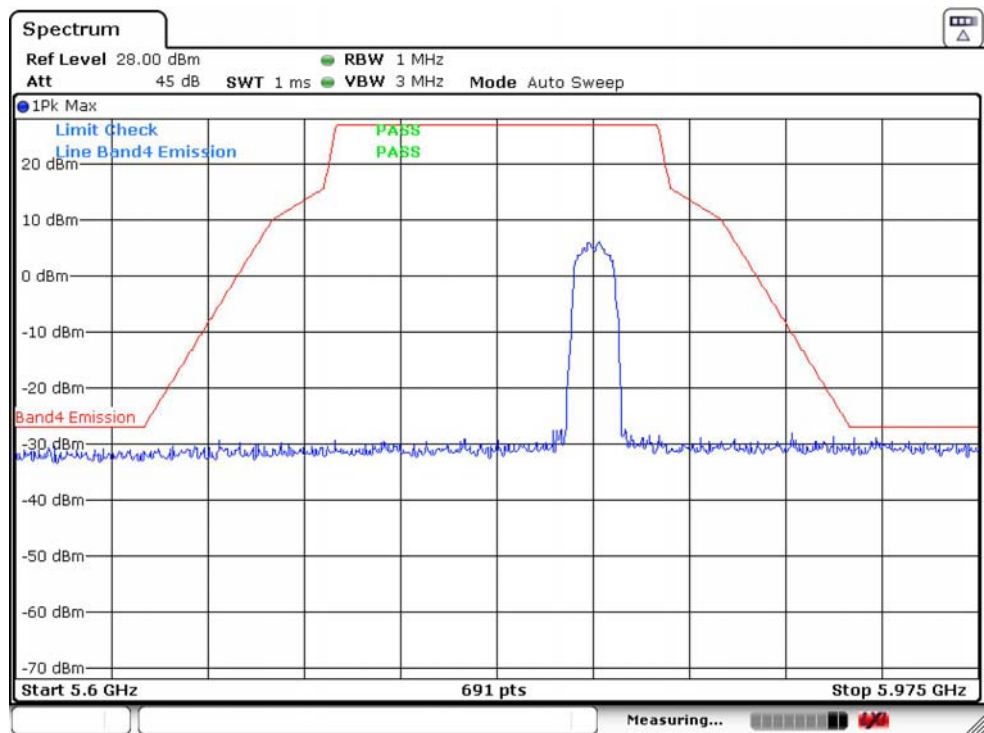
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5797.06	32.84	4.07	34.38	85.00	87.53	68.20	-19.33	Peak
2	5850.00	32.83	4.13	34.36	40.14	42.74	68.20	25.46	Peak
3	5913.22	32.82	4.21	34.33	42.42	45.12	68.20	23.08	Peak

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

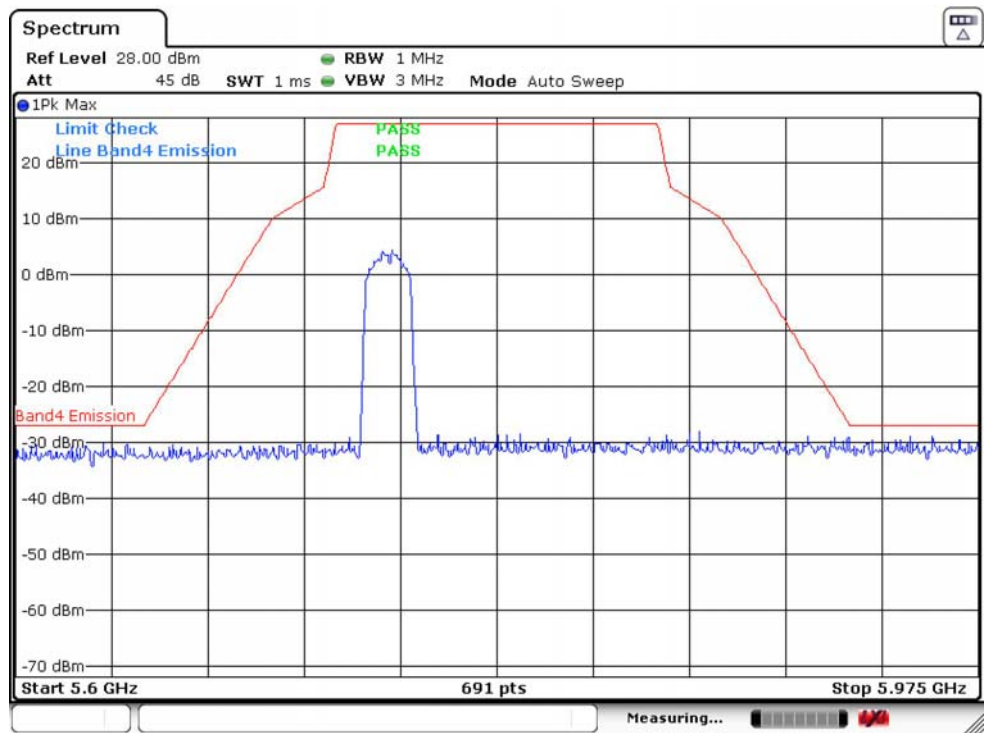
IEEE 802.11a 5745MHz



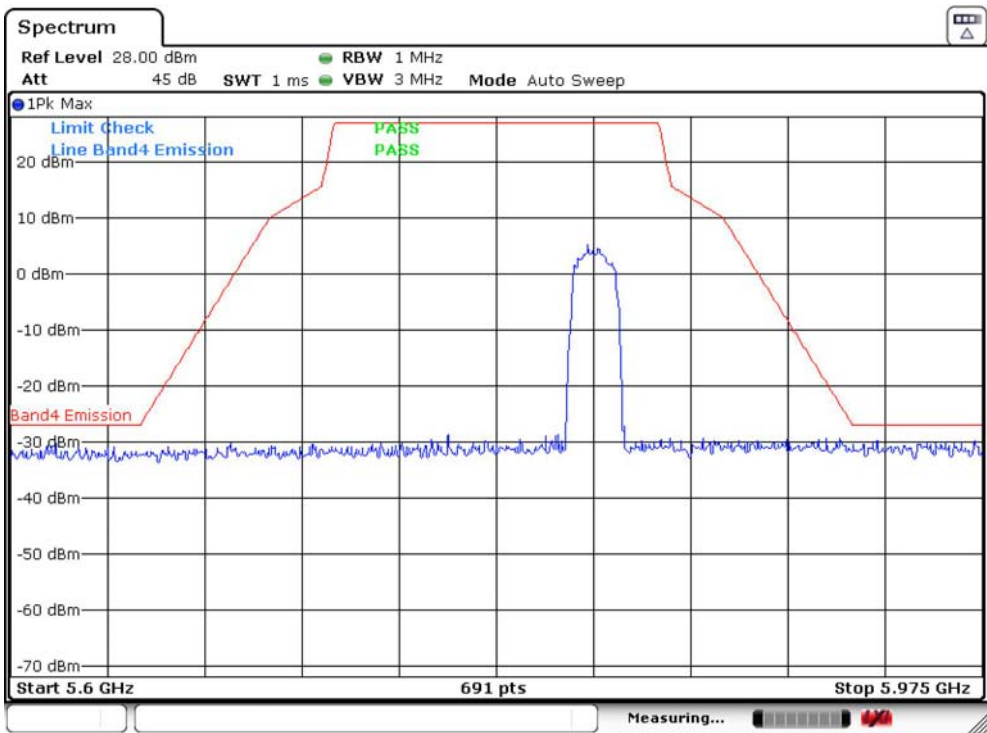
IEEE 802.11a 5825MHz



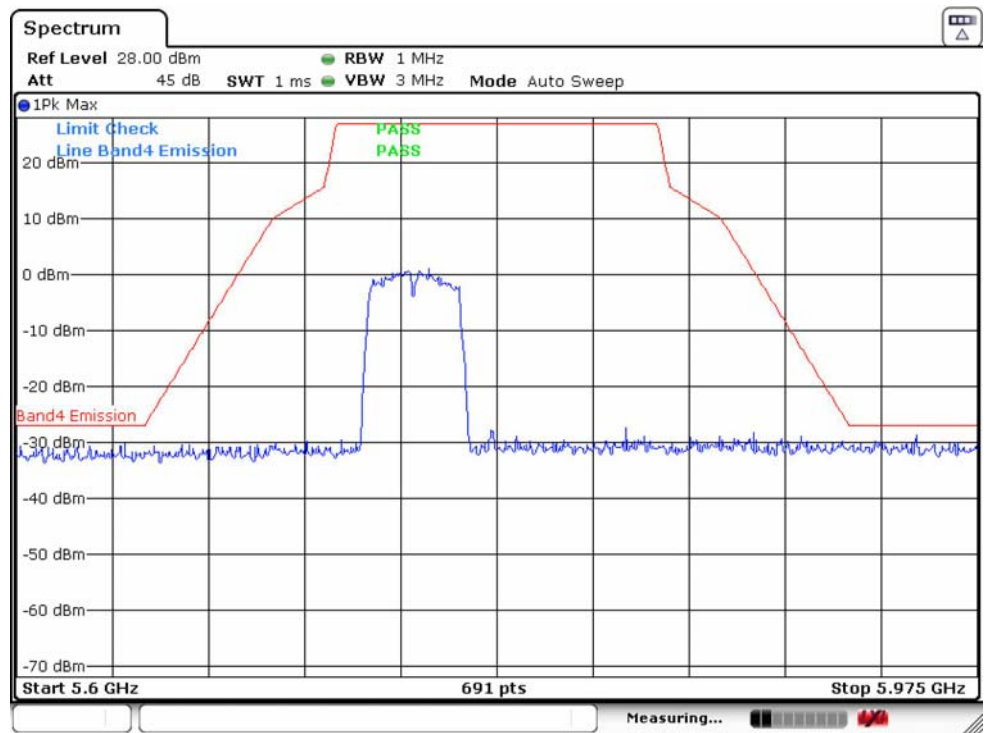
IEEE 802.11n HT20 5745MHz



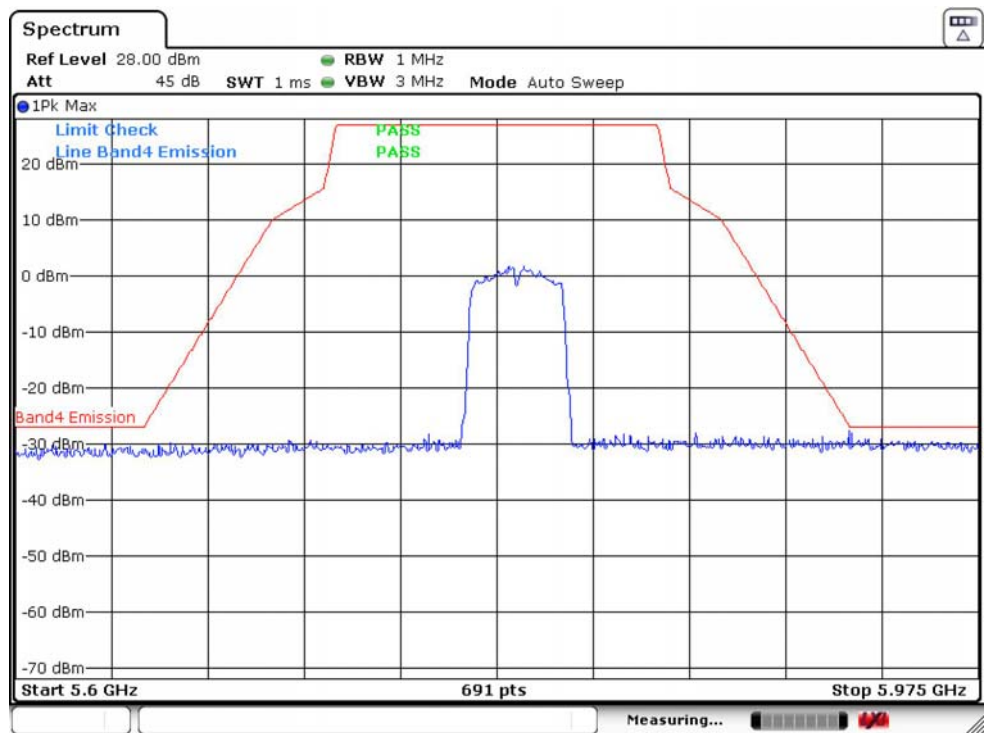
IEEE 802.11n HT20 5825MHz



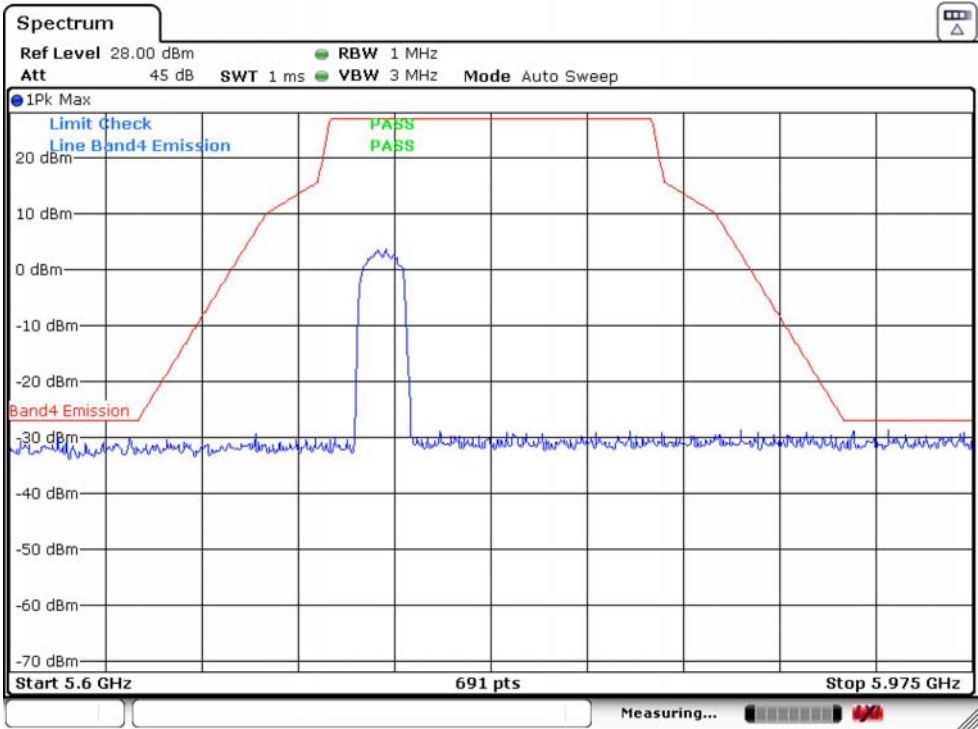
IEEE 802.11n HT40 5755MHz



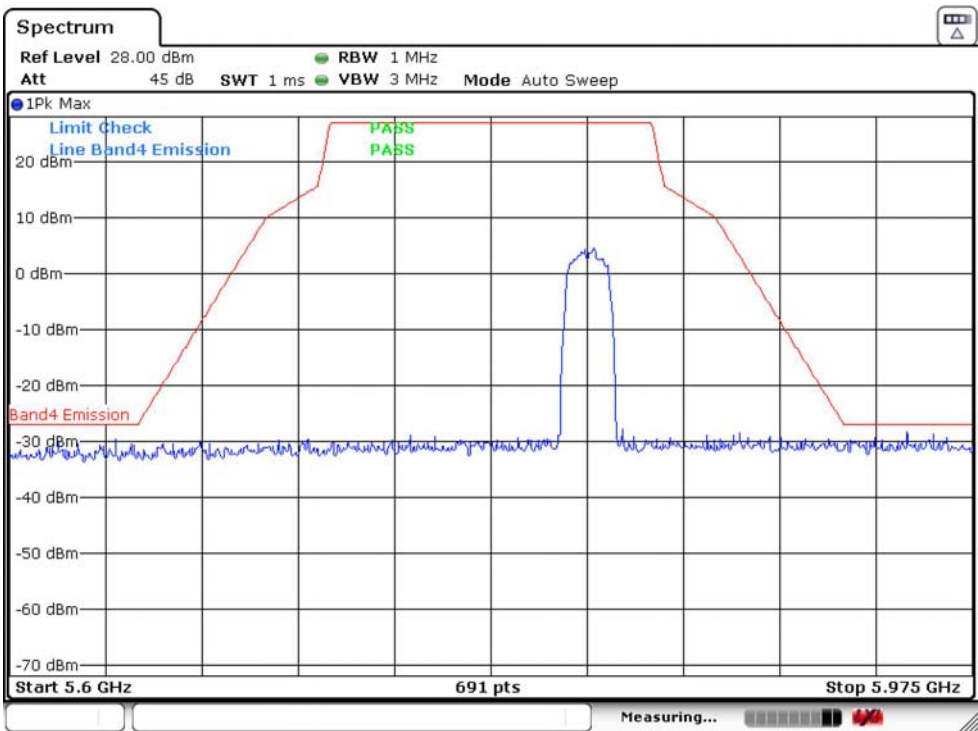
IEEE 802.11n HT40 5795MHz



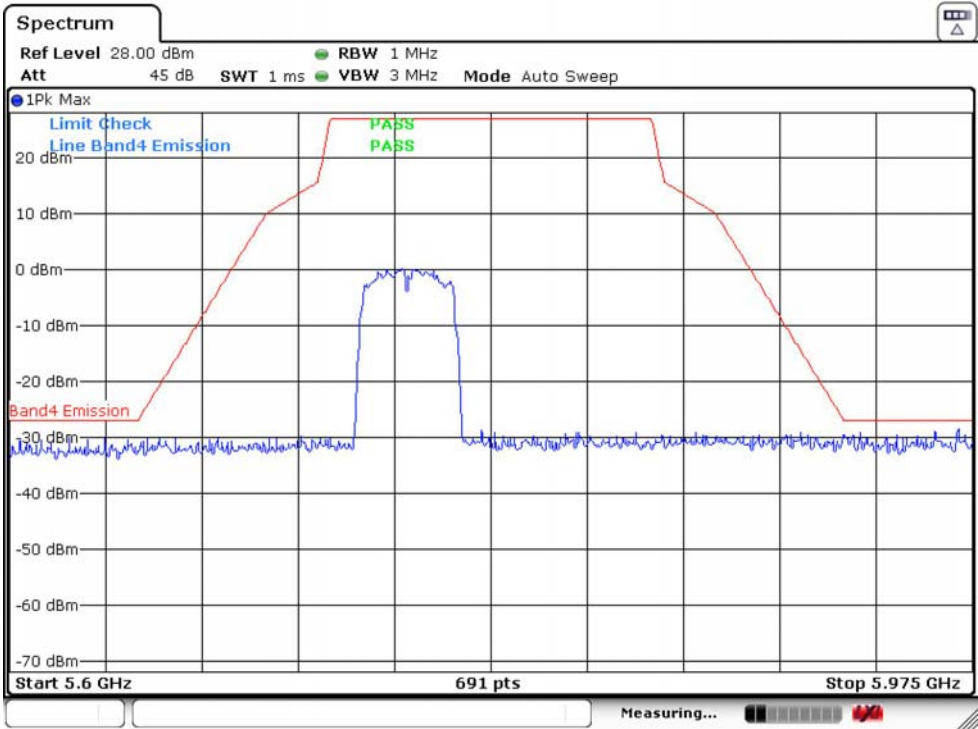
IEEE 802.11ac VHT20 5745MHz



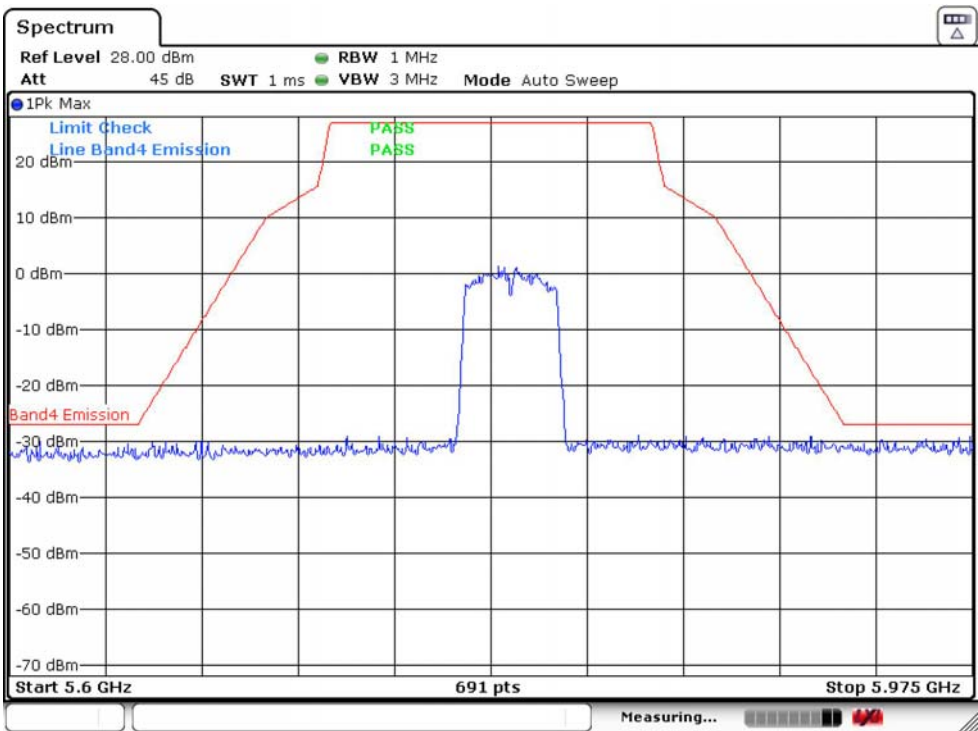
IEEE 802.11ac VHT20 5825MHz



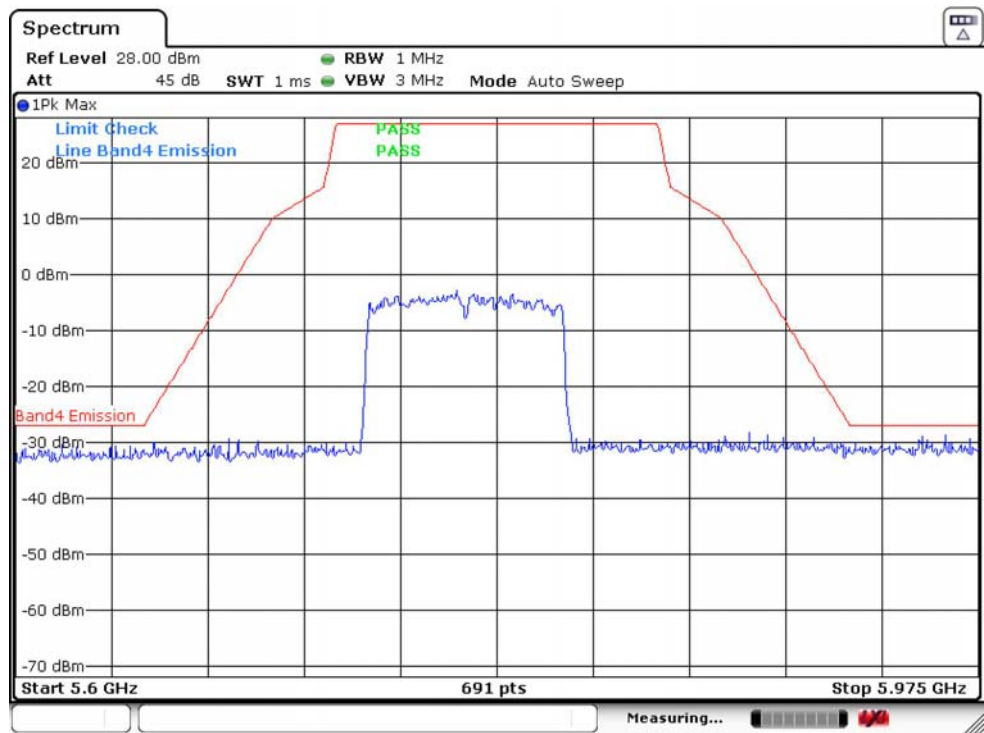
IEEE 802.11ac VHT40 5755MHz



IEEE 802.11ac VHT40 5795MHz



IEEE 802.11ac VHT80 5775MHz



All modulations are all tested ,only worse case is reported

18000MHz-40000MHz

Pass

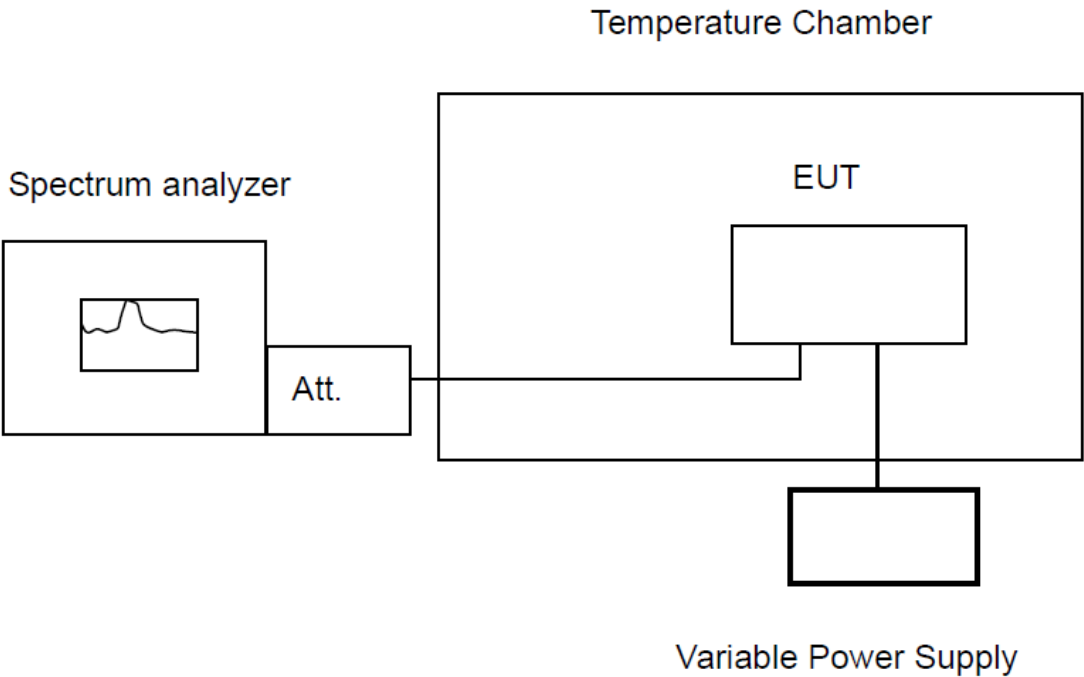
Note: The amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

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°C to $+50^{\circ}\text{C}$ in 10°C 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 ($+15^{\circ}\text{C}$ to $+25^{\circ}\text{C}$) 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 (°C)	Time (minutes)	Measurement Value (MHz)	Frequency Error (ppm)
5180	120	50	0	5180.0479960	9.27
			2	5180.0479940	9.27
			5	5180.0479920	9.26
			10	5180.0479900	9.26
	120	40	0	5180.0579940	11.20
			2	5180.0579950	11.20
			5	5180.0579960	11.20
			10	5180.0579910	11.20
	120	30	0	5180.0635230	12.26
			2	5180.0635240	12.26
			5	5180.0635280	12.26
			10	5180.0635270	12.26
	120	20	0	5180.0639940	12.35
			2	5180.0639960	12.35
			5	5180.0639930	12.35
			10	5180.0640000	12.36
	120	10	0	5180.0679940	13.13
			2	5180.0679970	13.13
			5	5180.0680000	13.13
			10	5180.0680030	13.13
	120	0	0	5180.0559950	10.81
			2	5180.0559930	10.81
			5	5180.0559910	10.81
			10	5180.0559890	10.81
	120	-10	0	5180.0635230	12.26
			2	5180.0635270	12.26
			5	5180.0635250	12.26
			10	5180.0635260	12.26
	120	-20	0	5180.0629940	12.16
			2	5180.0629990	12.16
			5	5180.0675230	13.04
			10	5180.0699930	13.51
	120	20	/	5180.0699870	13.51
	102	20	/	5180.0699850	13.51
	138	20	/	5180.0699840	13.51
MAX Frquency Error(ppm)					13.51

Frequency (MHz)	Voltage (V)	Temperature (°C)	Time (minutes)	Measurement Value (MHz)	Frequency Error (ppm)
5745	120	50	0	5745.0385260	6.71
			2	5745.0385240	6.71
			5	5745.0385220	6.71
			10	5745.0385200	6.70
	120	40	0	5745.0555240	9.66
			2	5745.0555210	9.66
			5	5745.0555260	9.67
			10	5745.0555260	9.67
	120	30	0	5745.0679930	11.84
			2	5745.0679920	11.83
			5	5745.0679980	11.84
			10	5745.0679960	11.84
	120	20	0	5745.0699930	12.18
			2	5745.0699910	12.18
			5	5745.0699800	12.18
			10	5745.0699870	12.18
	120	10	0	5745.0759920	13.23
			2	5745.0759910	13.23
			5	5745.0759900	13.23
			10	5745.0759940	13.23
	120	0	0	5745.0757994	13.19
			2	5745.0679970	11.84
			5	5745.0680000	11.84
			10	5745.0680030	11.84
	120	-10	0	5745.0865210	15.06
			2	5745.0865230	15.06
			5	5745.0865250	15.06
			10	5745.0865270	15.06
	120	-20	0	5745.0975200	16.97
			2	5745.0975240	16.98
			5	5745.0975280	16.98
			10	5745.0805519	14.02
	120	20	/	5745.0979400	17.05
	102	20	/	5745.0979900	17.06
	138	20	/	5745.0979300	17.05
	MAX Frquency Error(ppm)				

8. AC POWER LINE CONDUCTED EMISSIONS

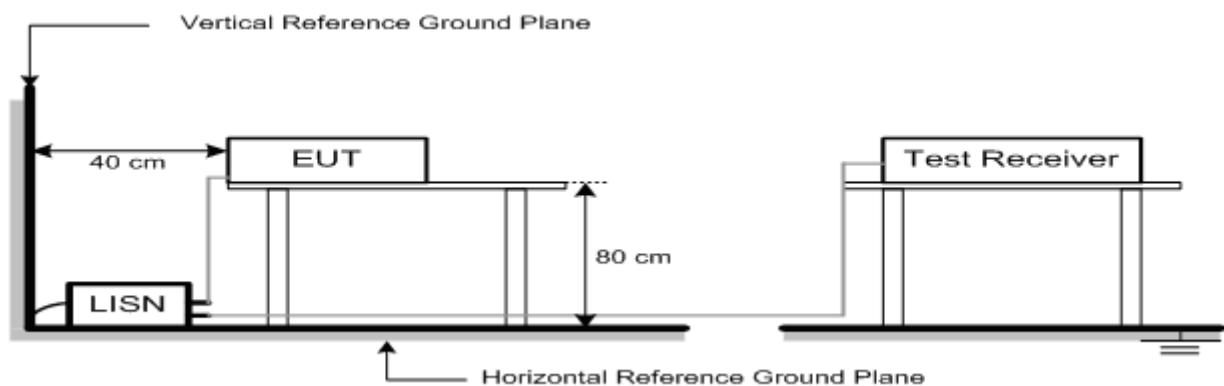
8.1. Limit

Frequency			Maximum RF Line Voltage	
			Quasi-Peak Level dB(μ V)	Average Level dB(μ V)
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

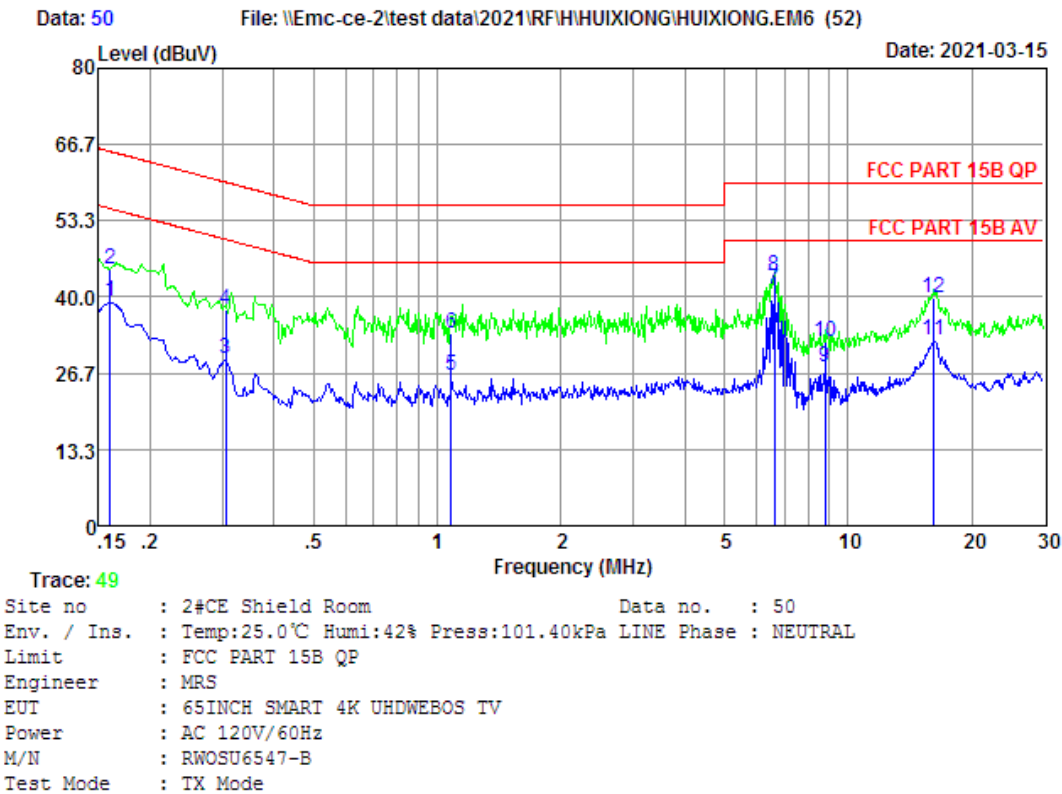
8.4. Test Procedure

- 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

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878



	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.16	9.64	9.69	19.86	39.19	55.47	16.28	Average
2	0.16	9.64	9.69	25.40	44.73	65.47	20.74	QP
3	0.31	9.66	9.92	9.51	29.09	50.10	21.01	Average
4	0.31	9.66	9.92	18.09	37.67	60.10	22.43	QP
5	1.08	9.76	9.94	6.50	26.20	46.00	19.80	Average
6	1.08	9.76	9.94	14.04	33.74	56.00	22.26	QP
7	6.63	9.62	10.03	21.71	41.36	50.00	8.64	Average
8	6.63	9.62	10.03	24.14	43.79	60.00	16.21	QP
9	8.78	9.73	10.05	7.89	27.67	50.00	22.33	Average
10	8.78	9.73	10.05	12.26	32.04	60.00	27.96	QP
11	16.23	10.08	10.13	12.14	32.35	50.00	17.65	Average
12	16.23	10.08	10.13	19.62	39.83	60.00	20.17	QP

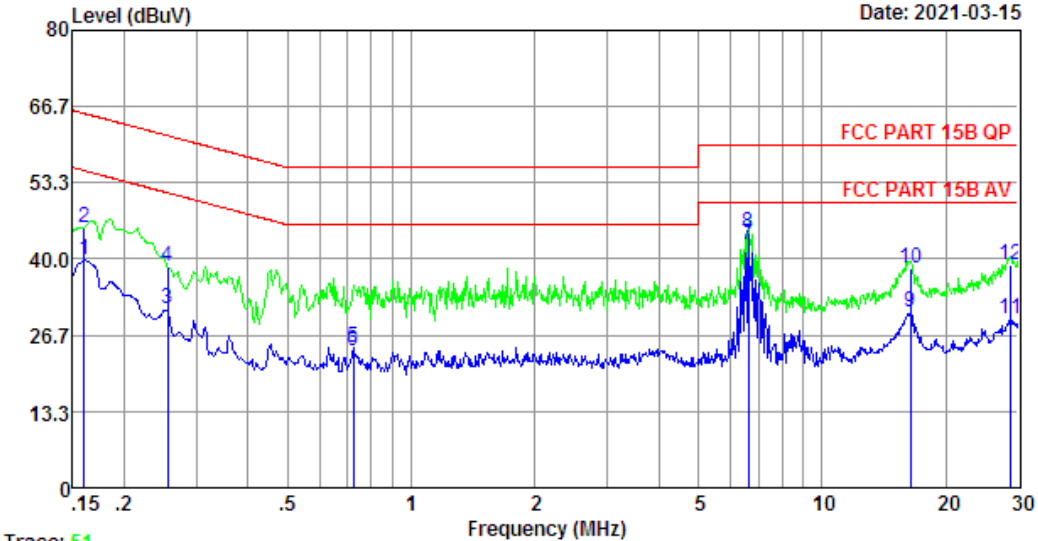
Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. If the average limit is met when using a quasi-peak detector,
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 52 File: \\Emc-ce-2\test data\2021\RF\HUIXIONG\HUIXIONG.EM6 (52)

Date: 2021-03-15



Trace: 51

Site no : 2#CE Shield Room Data no. : 52
Env. / Ins. : Temp:25.0℃ Humi:42% Press:101.40kPa LINE Phase : LINE
Limit : FCC PART 15B QP
Engineer : MRS
EUT : 65INCH SMART 4K UHDWEBOS TV
Power : AC 120V/60Hz
M/N : RWOSU6547-B
Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.16	9.68	9.69	20.53	39.90	55.47	15.57	Average
2	0.16	9.68	9.69	26.03	45.40	65.47	20.07	QP
3	0.25	9.71	9.92	11.56	31.19	51.60	20.41	Average
4	0.25	9.71	9.92	18.93	38.56	61.60	23.04	QP
5	0.72	9.85	9.93	4.81	24.59	46.00	21.41	Average
6	0.72	9.85	9.93	4.17	23.95	56.00	32.05	QP
7	6.63	10.40	10.03	21.94	42.37	50.00	7.63	Average
8	6.63	10.40	10.03	24.03	44.46	60.00	15.54	QP
9	16.40	9.99	10.13	10.63	30.75	50.00	19.25	Average
10	16.40	9.99	10.13	18.26	38.38	60.00	21.62	QP
11	28.75	10.05	10.15	9.41	29.61	50.00	20.39	Average
12	28.75	10.05	10.15	18.82	39.02	60.00	20.98	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. If the average limit is met when using 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

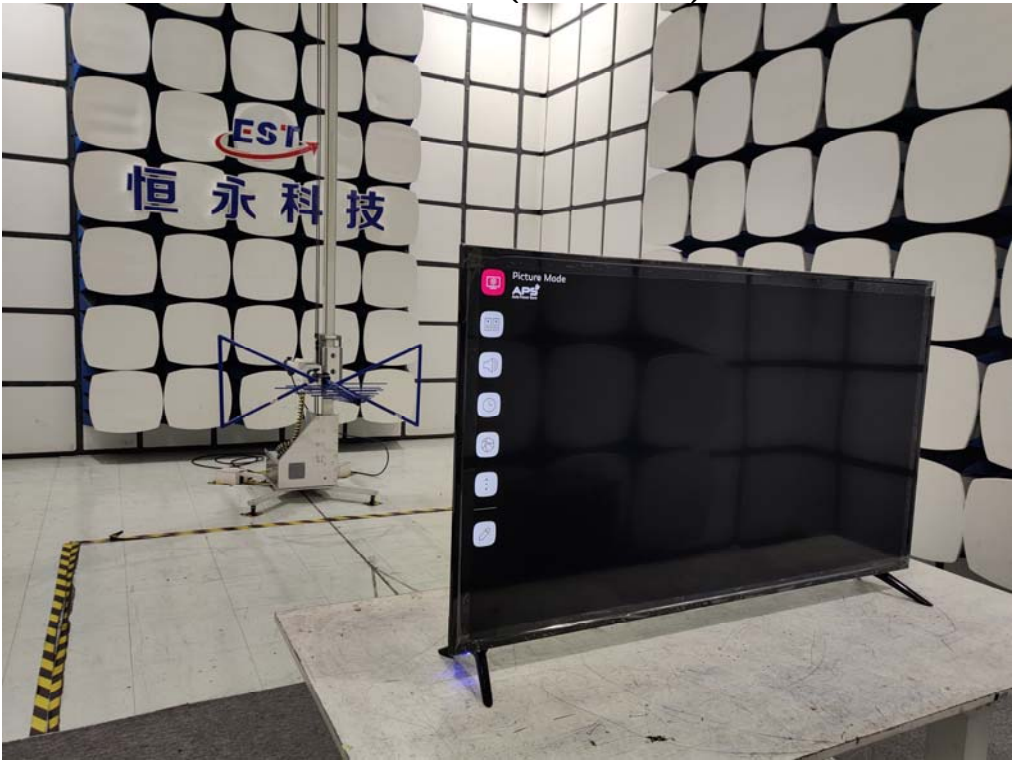
The antennas used for this product is integral antenna ,so compliance with antenna requirements.
(Please refer to the EUT photo for details)

10. TEST SETUP PHOTO

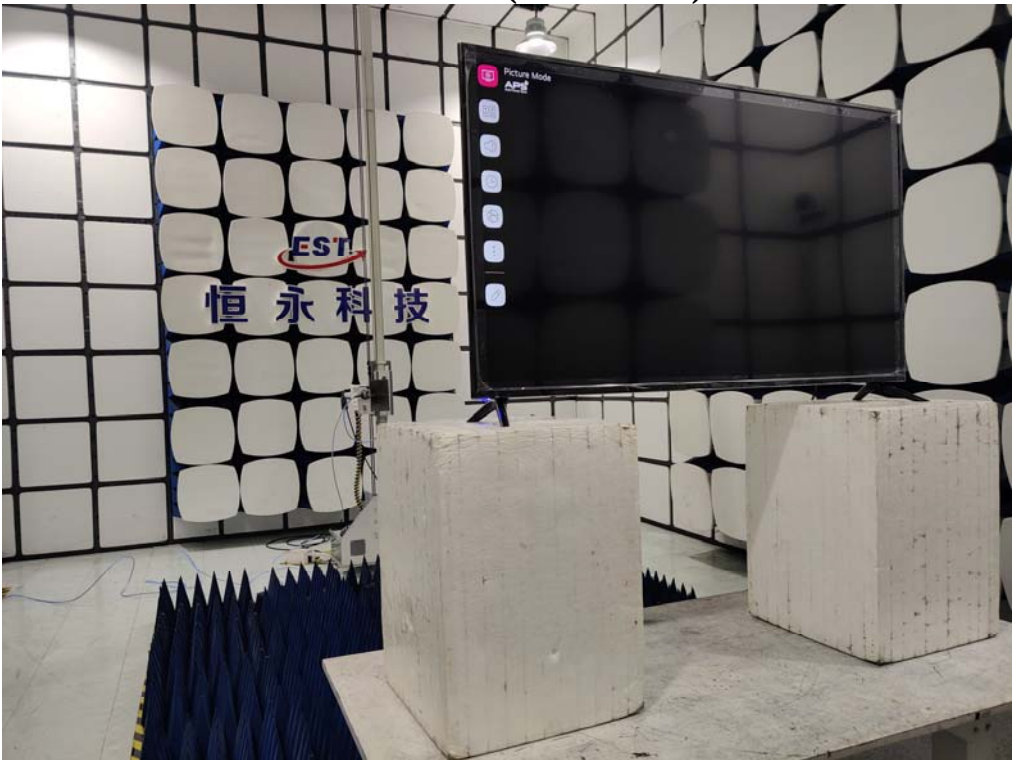
Conducted Test



Radiated Test (Below 1GHz)



Radiated Test (Above 1GHz)



11.EUT PHOTO

External Photos
M/N: RWOSU6547-B



External Photos
M/N: RWOSU6547-B



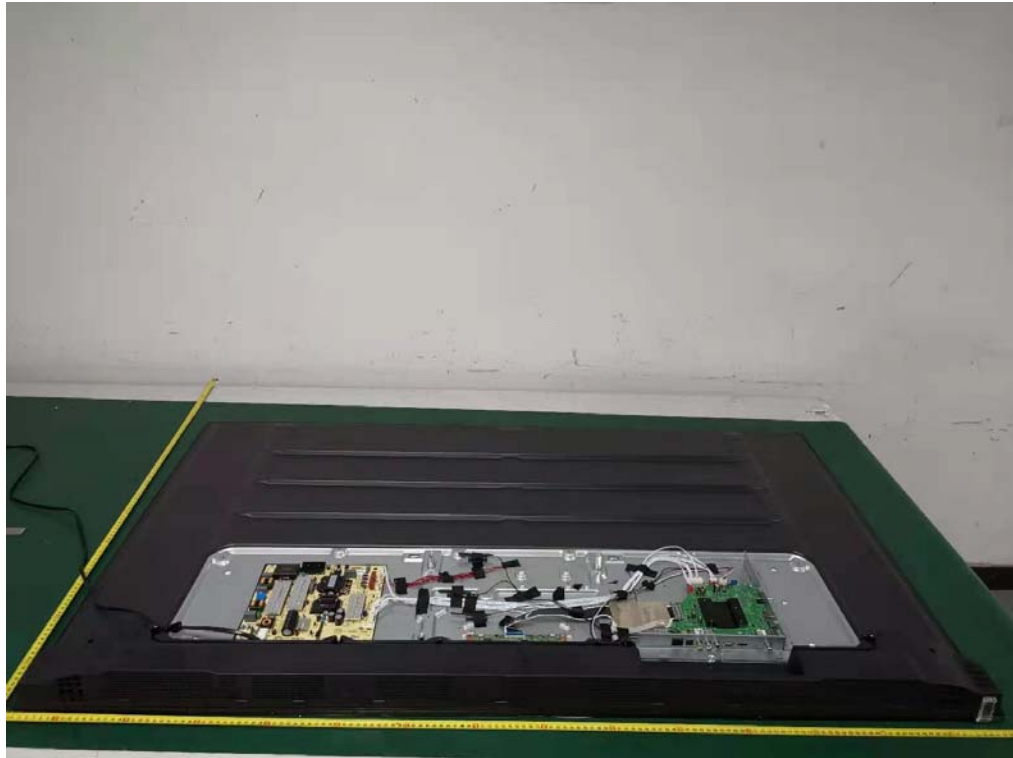
External Photos
M/N: RWOSU6547-B



External Photos
M/N: RWOSU6547-B



Internal Photos
M/N: RWOSU6547-B



Internal Photos
M/N: RWOSU6547-B



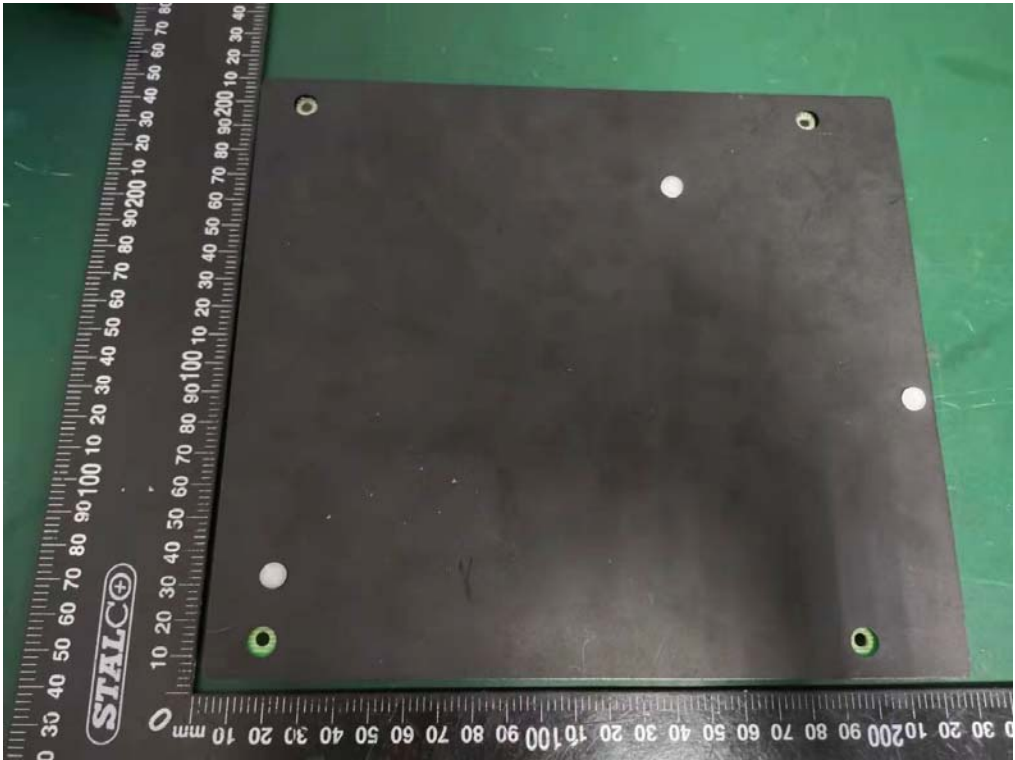
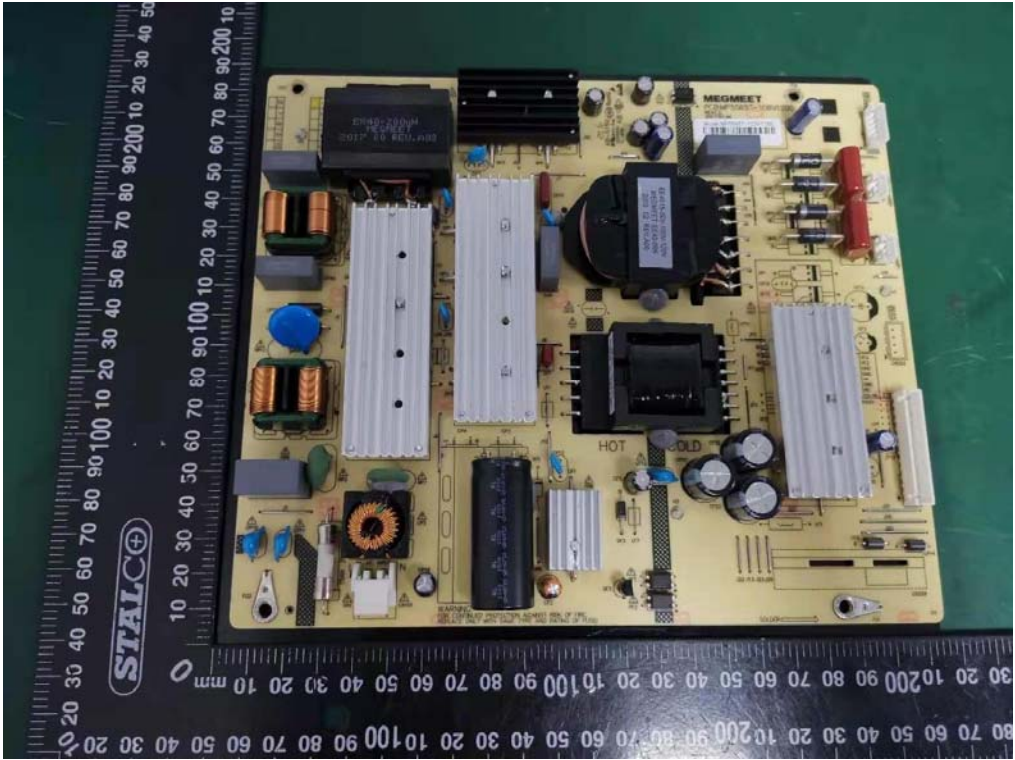
Internal Photos
M/N: RWOSU6547-B



Internal Photos
M/N: RWOSU6547-B



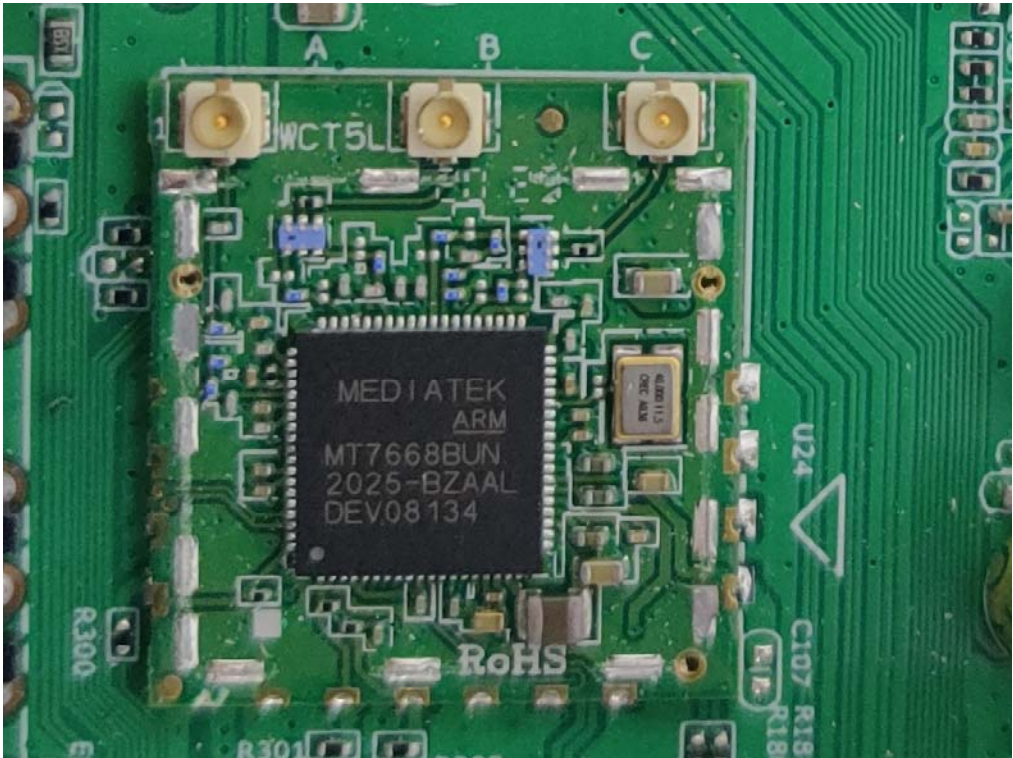
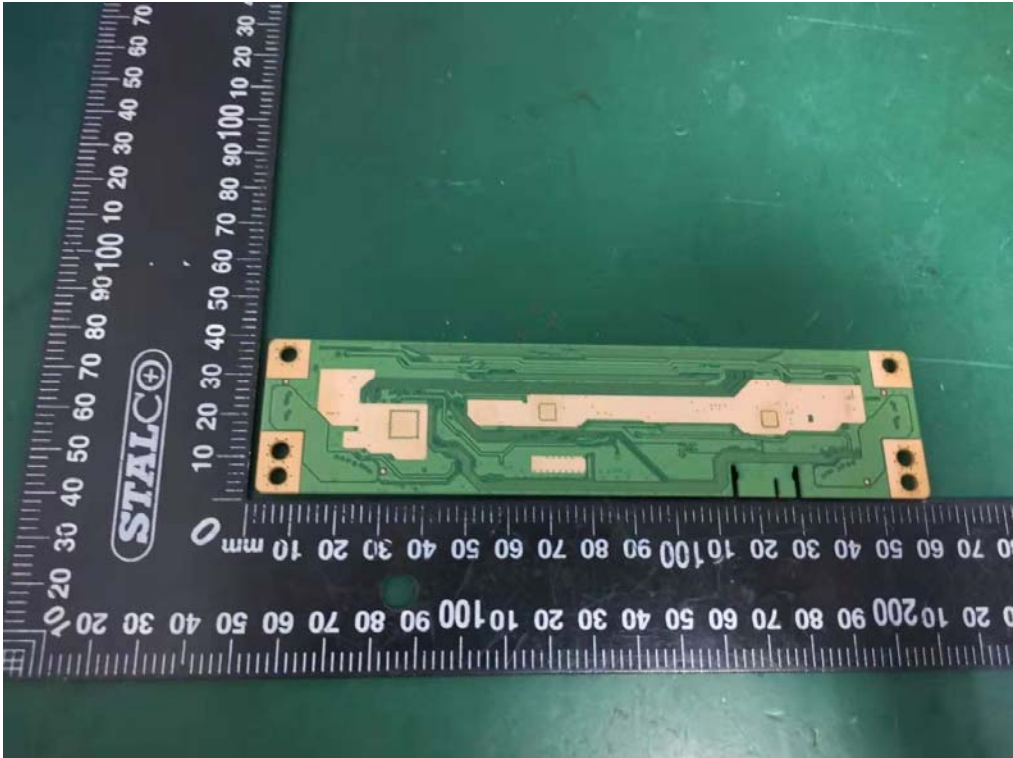
Internal Photos
M/N: RWOSU6547-B



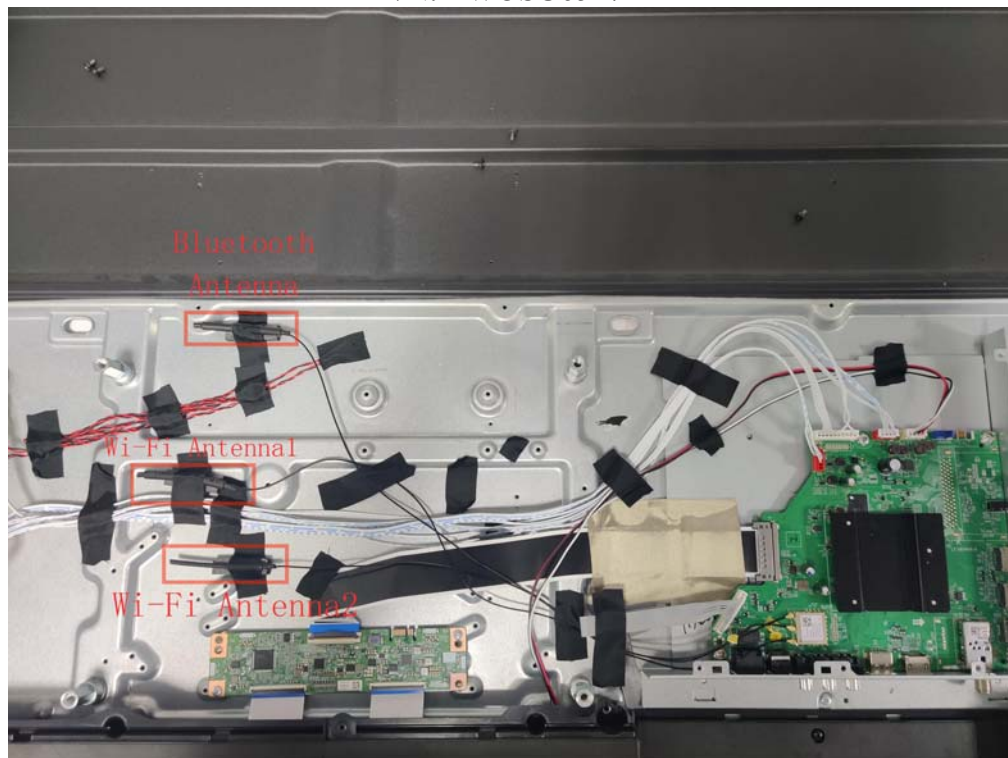
Internal Photos
M/N: RWOSU6547-B



Internal Photos
M/N: RWOSU6547-B



Internal Photos
M/N: RWOSU6547-B



End of Test Report