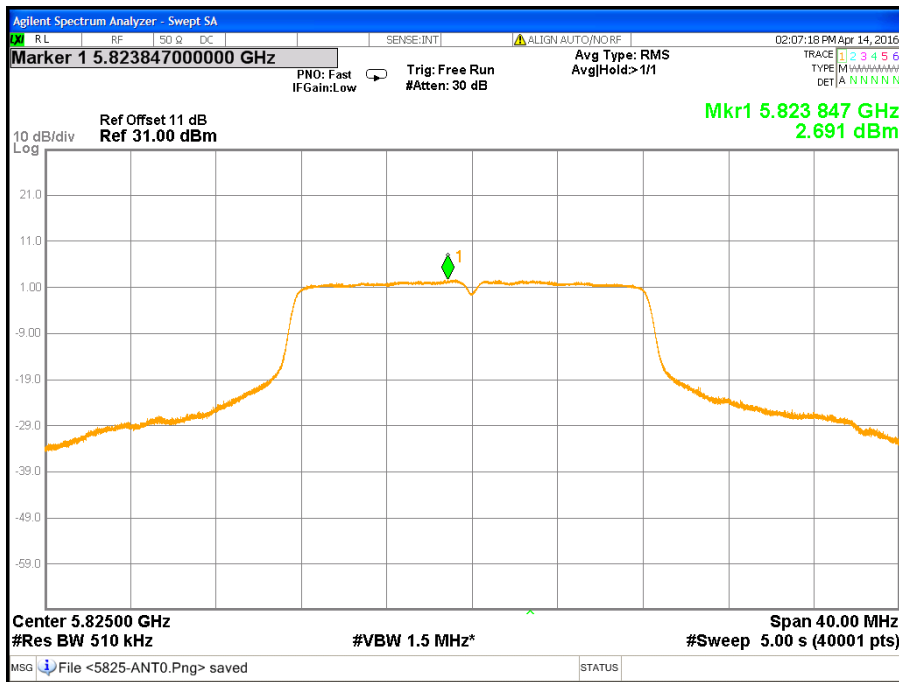


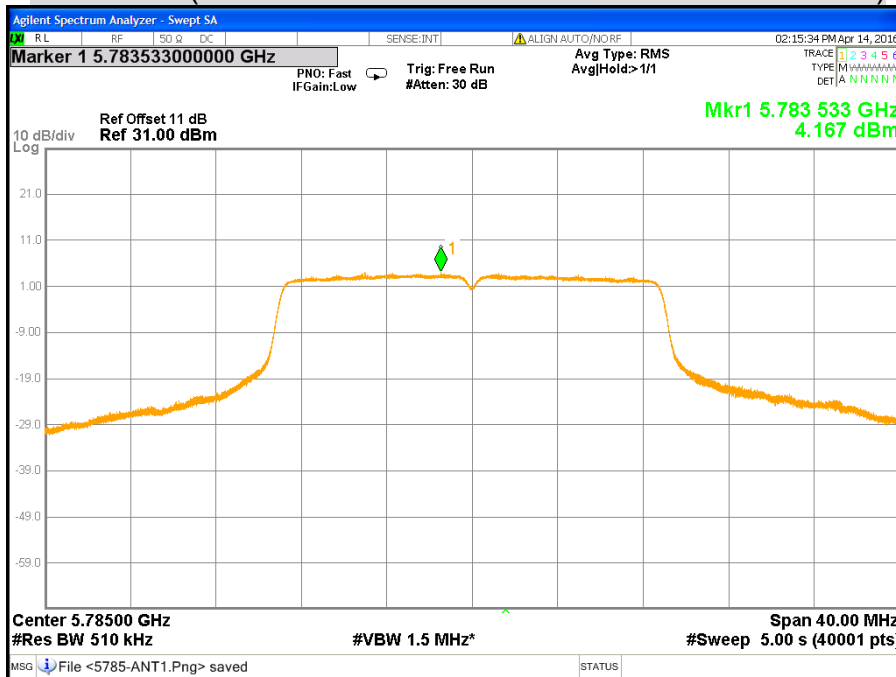
CH High (IEEE 802.11ac VHT20 Mode / Band 3 / Chain 0)



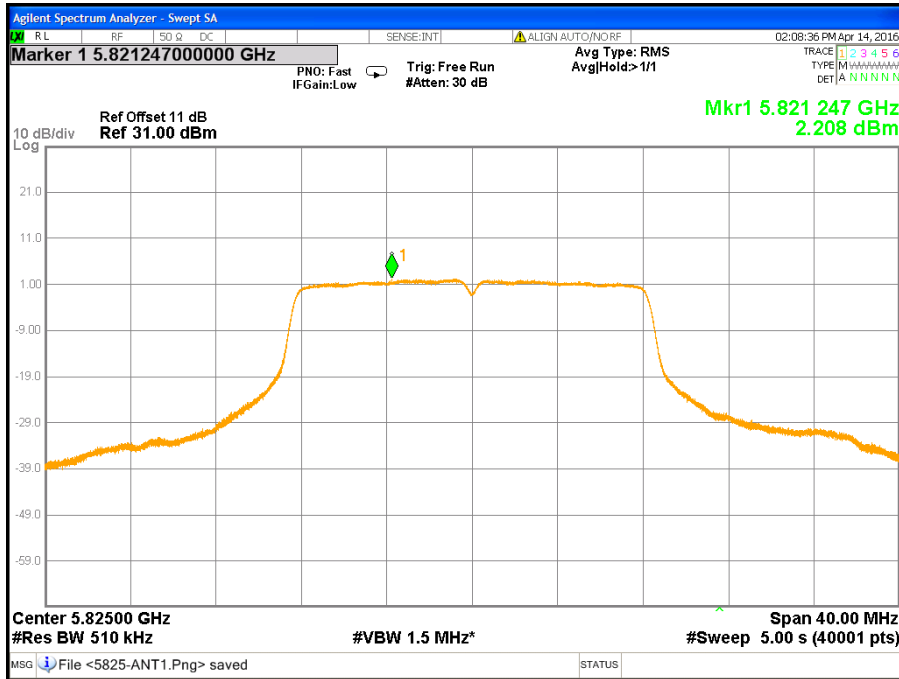
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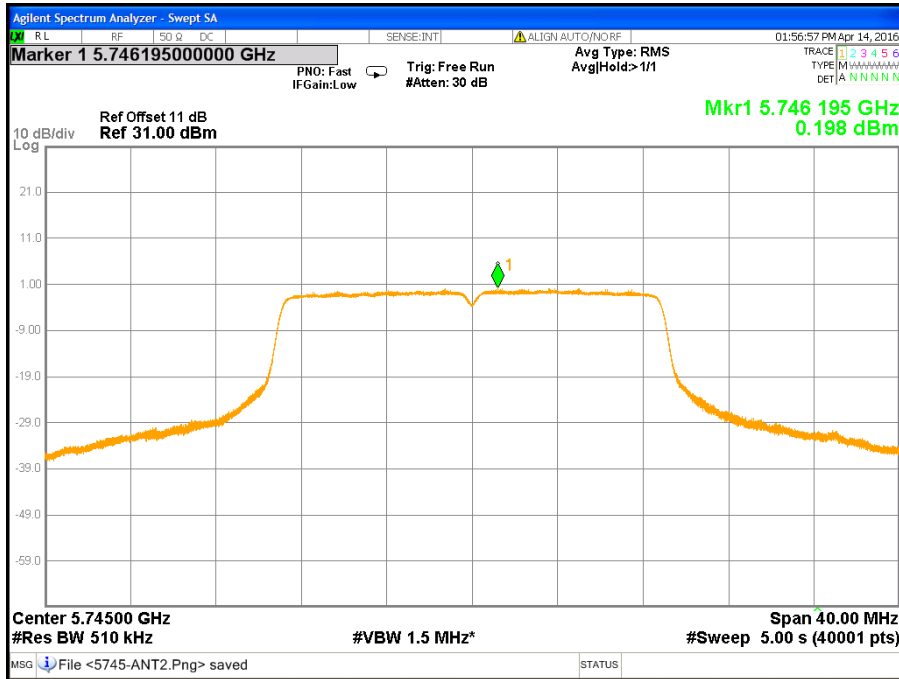
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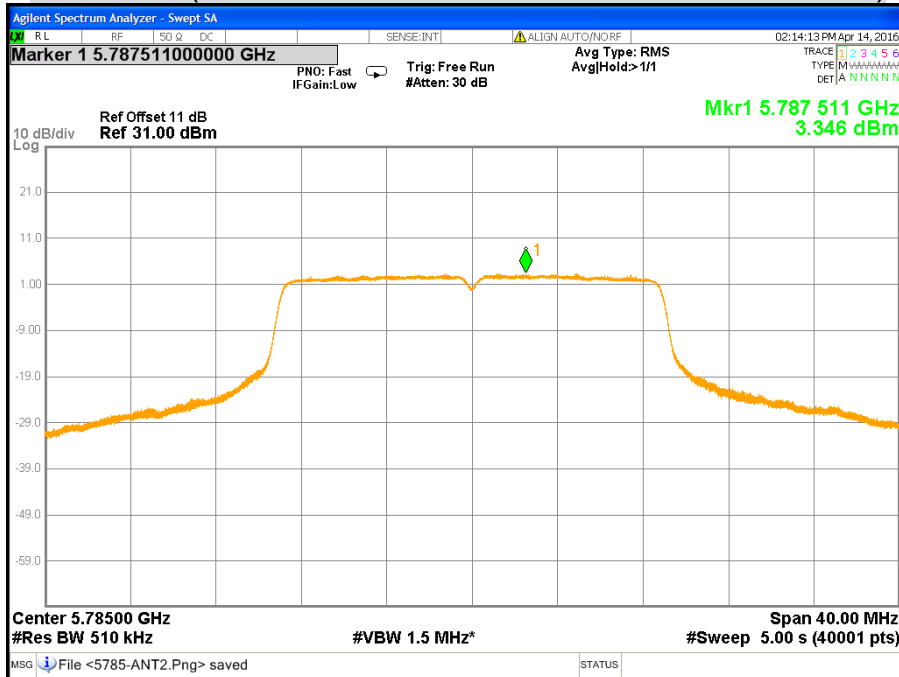
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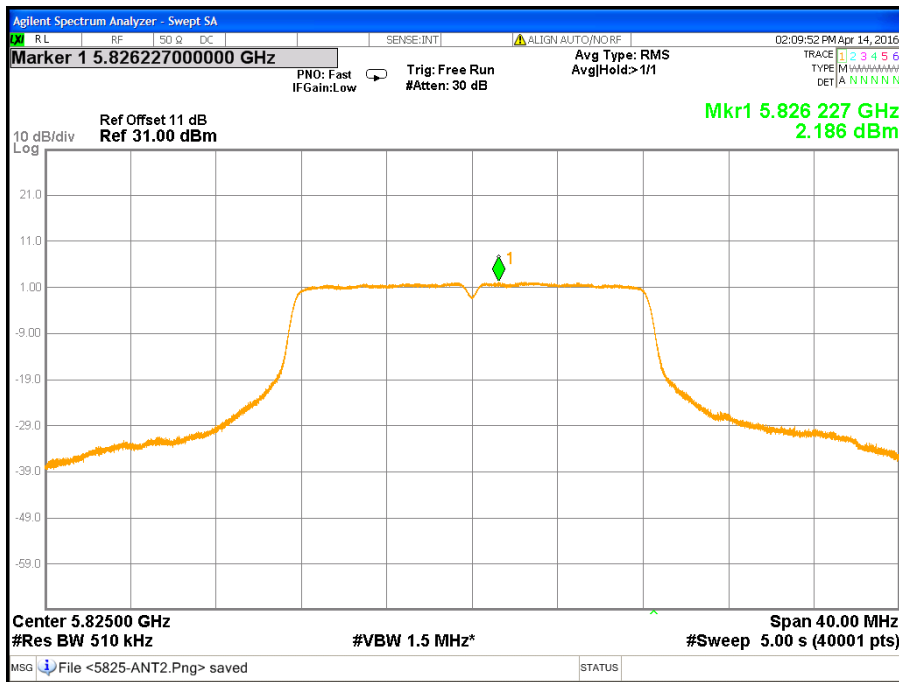
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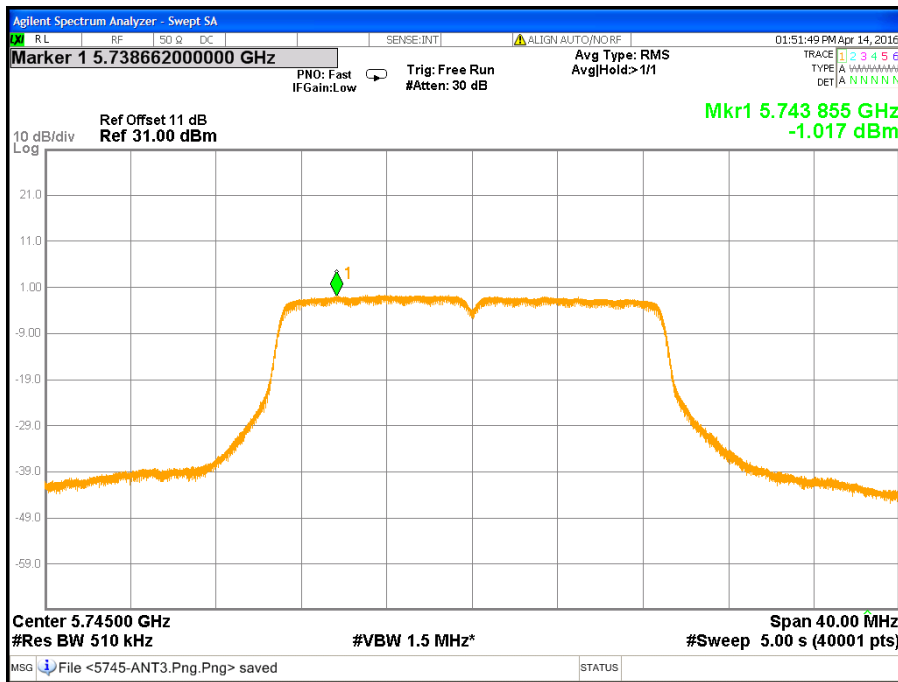
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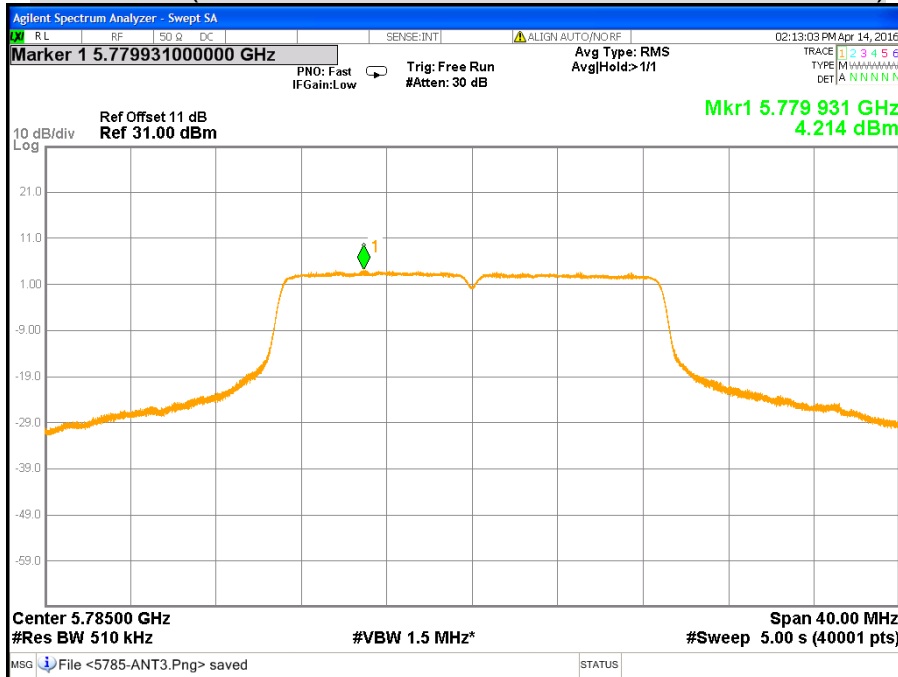
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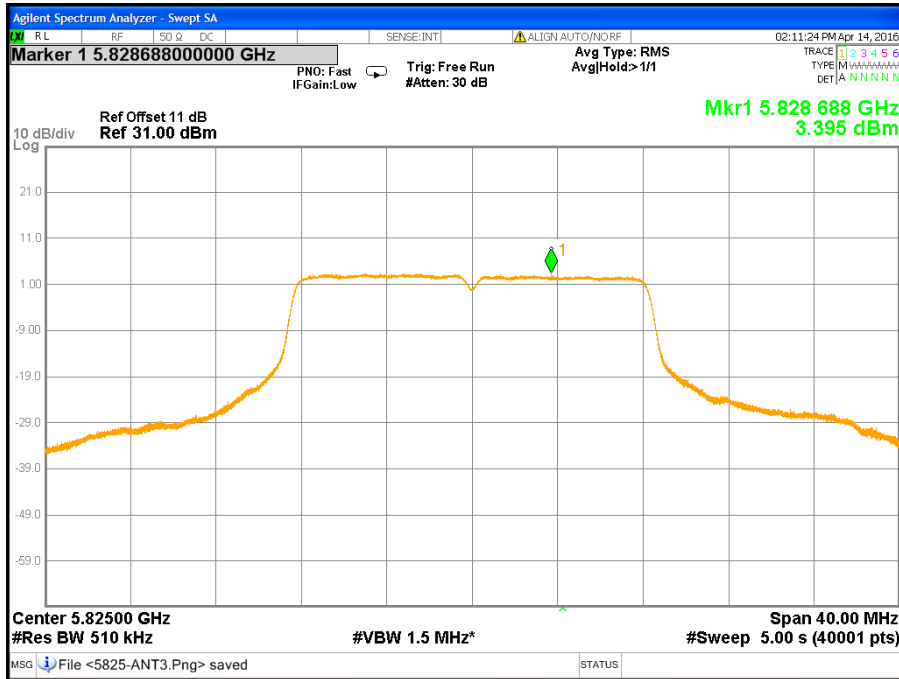
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CH Middle (IEEE 802.11ac VHT20 Mode / Band 3 / Chain 3)



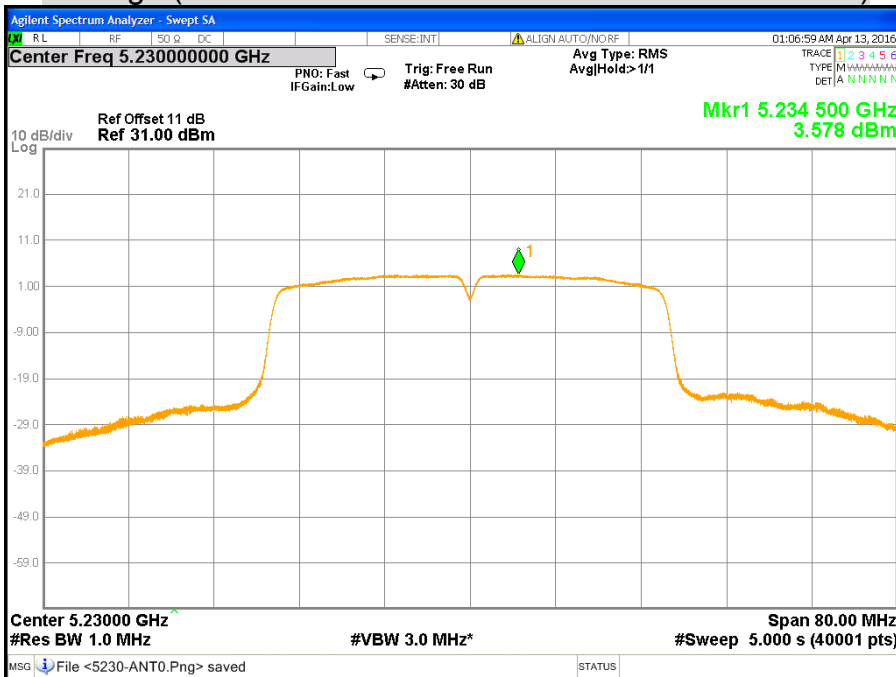
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CH Low (IEEE 802.11ac VHT40 Mode / Band 1 / Chain 0)

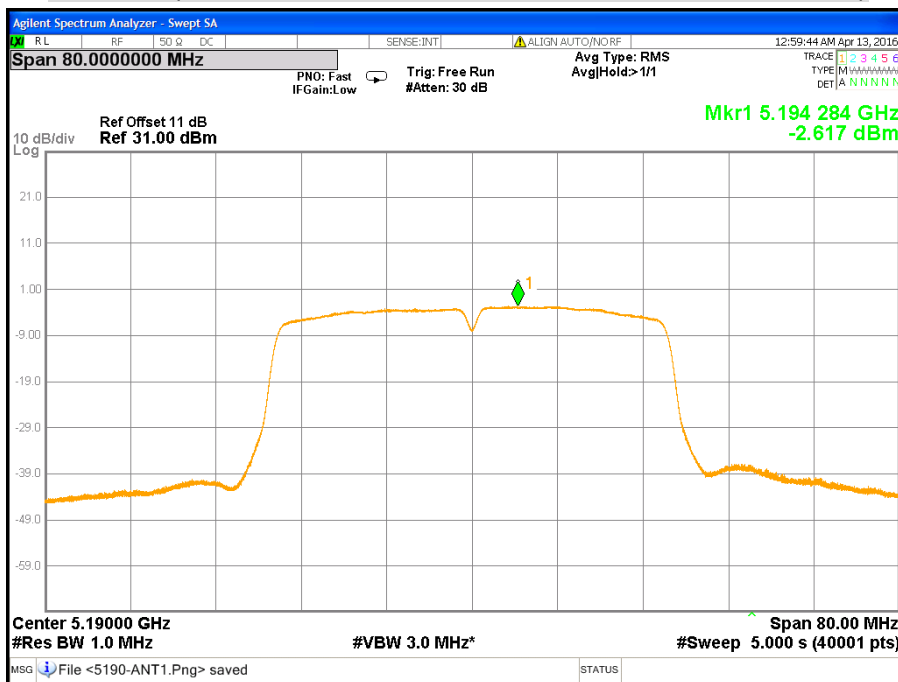


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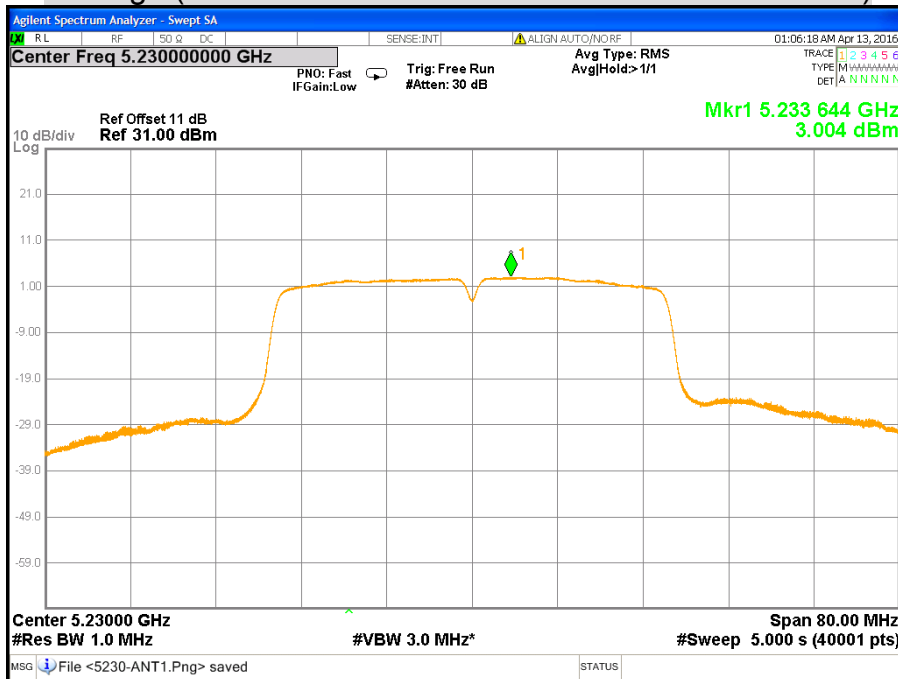




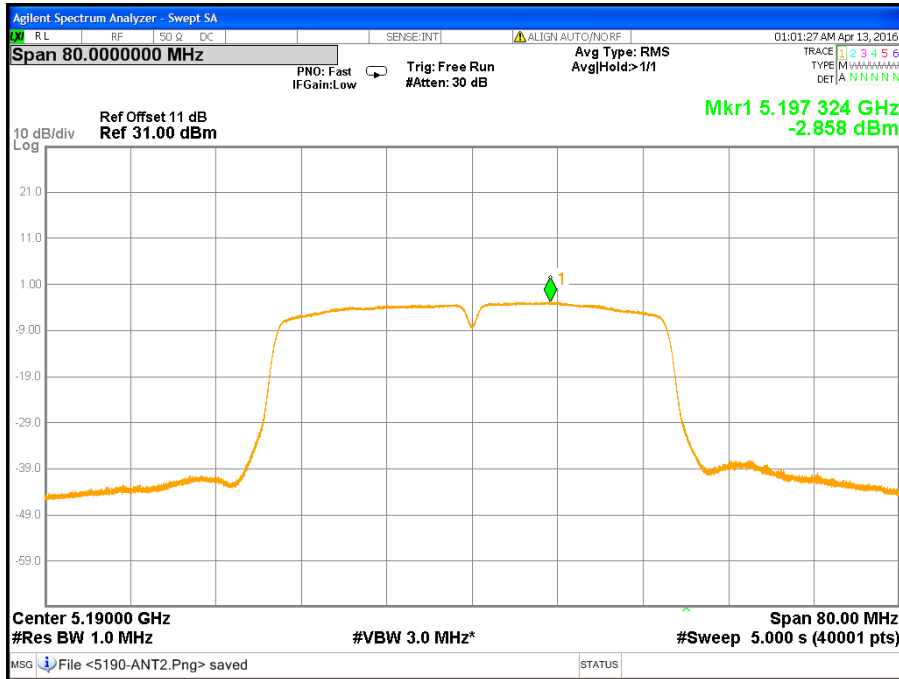
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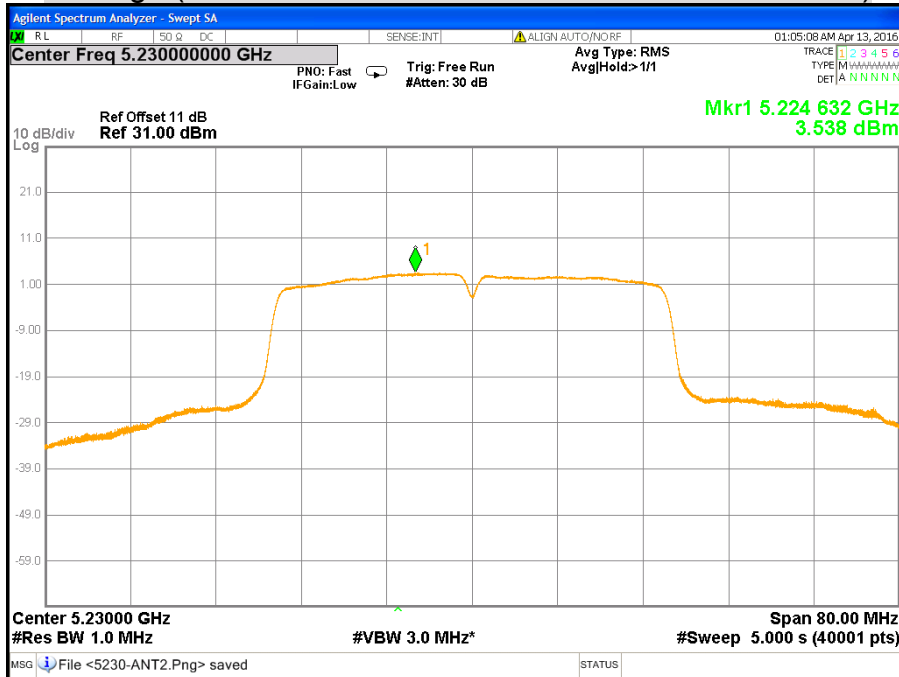
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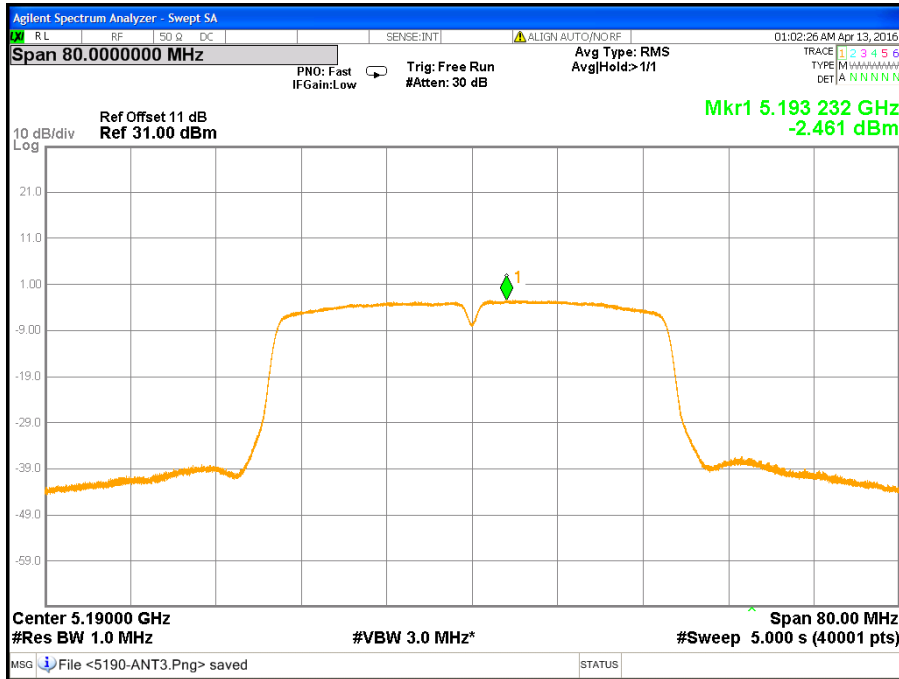
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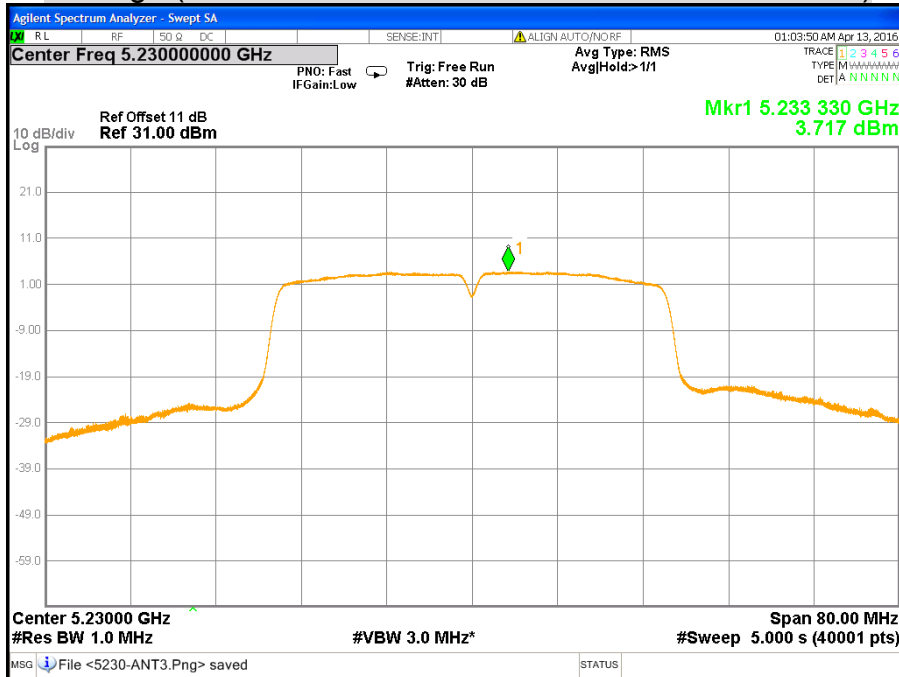
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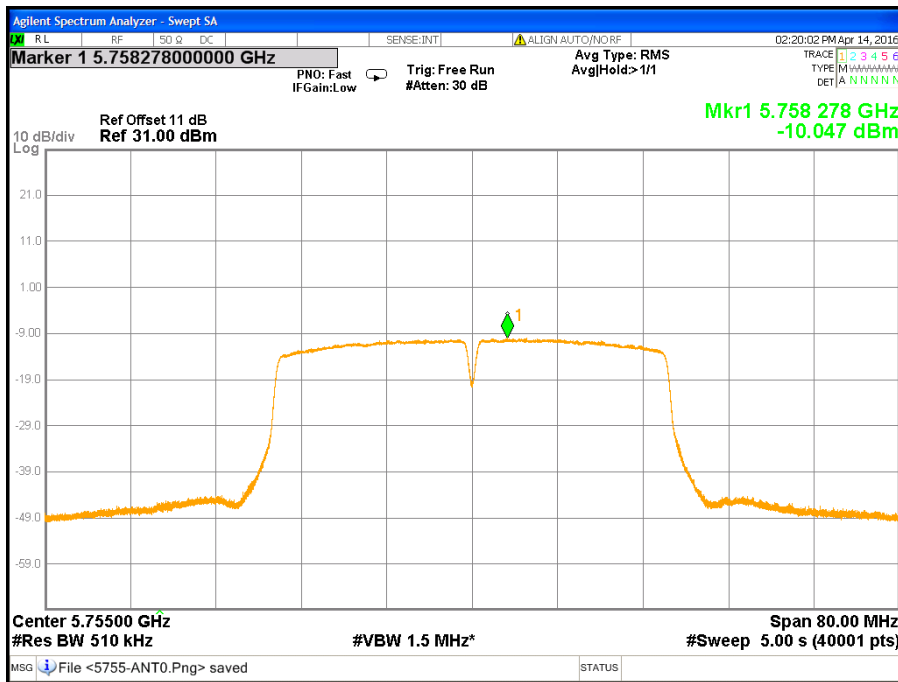
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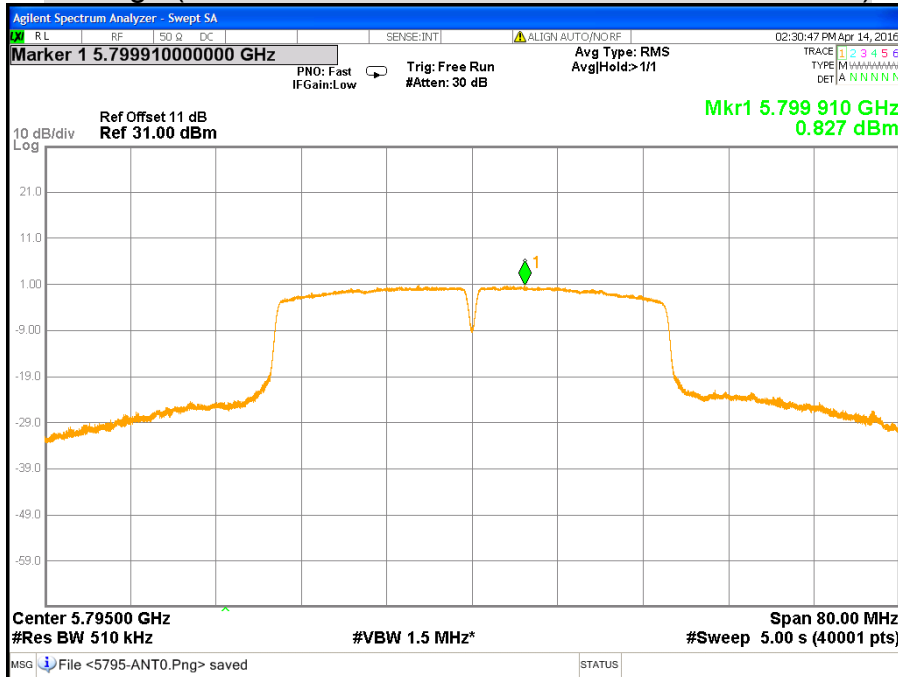
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CH Low (IEEE 802.11ac VHT40 Mode / Band 3 / Chain 0)



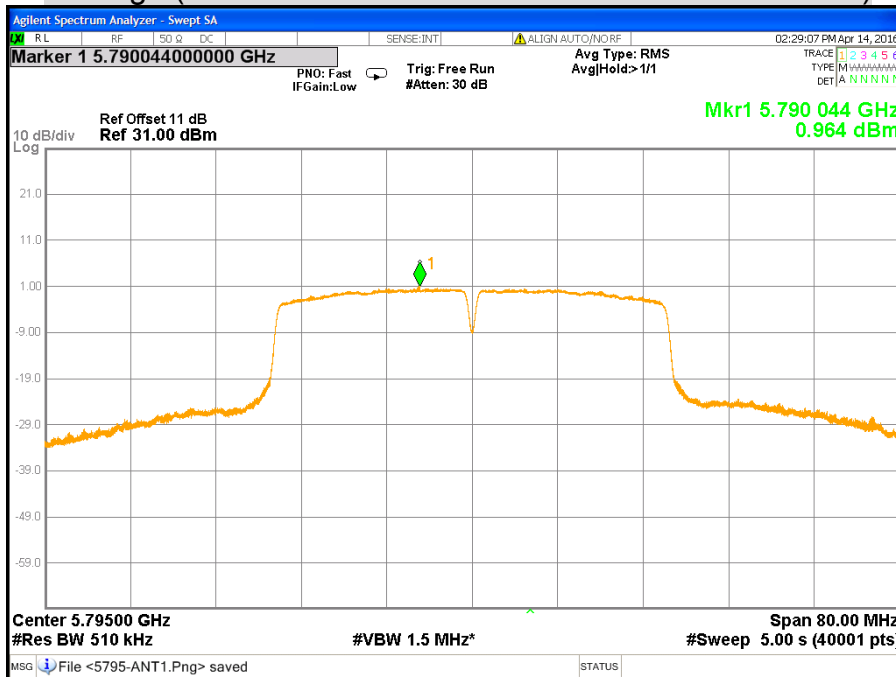
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CH Low (IEEE 802.11ac VHT40 Mode / Band 3 / Chain 1)



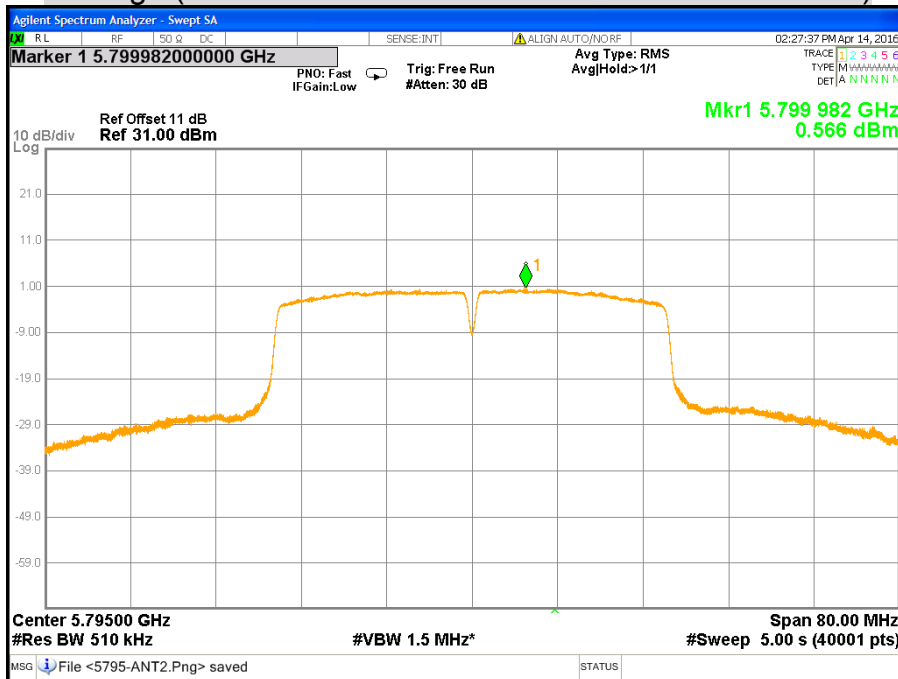
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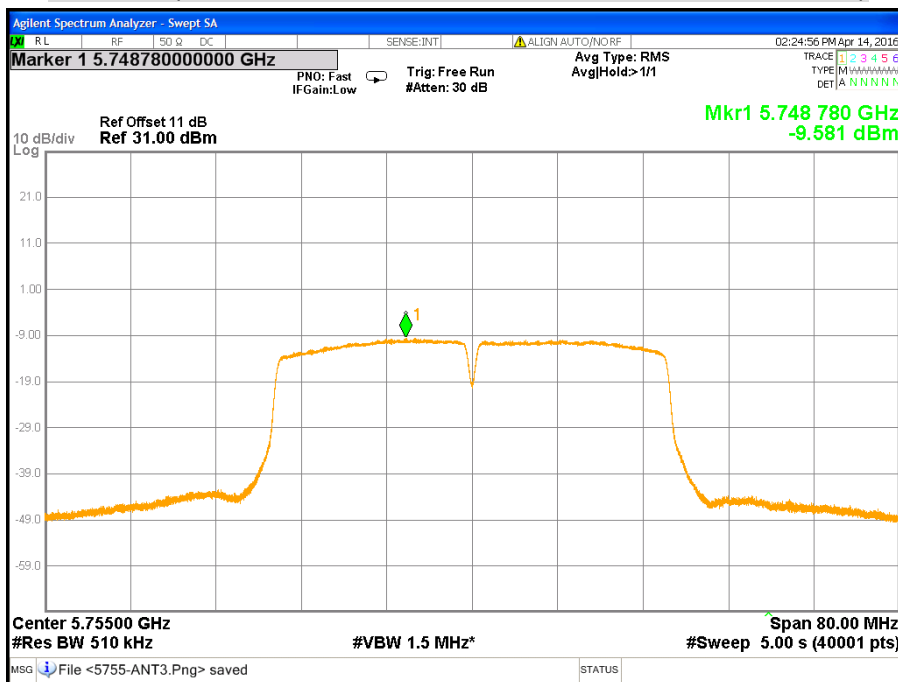
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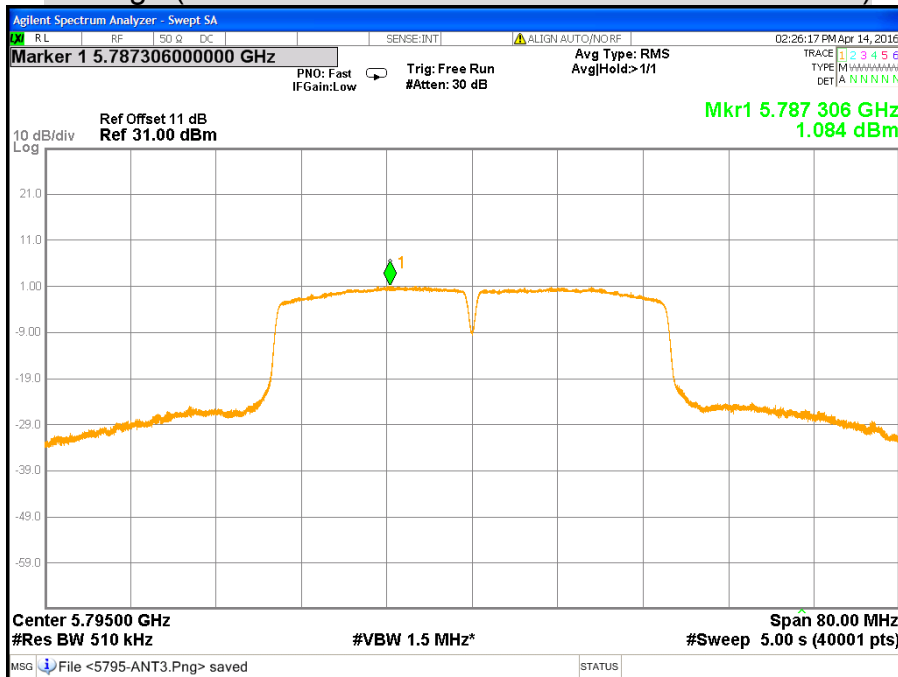
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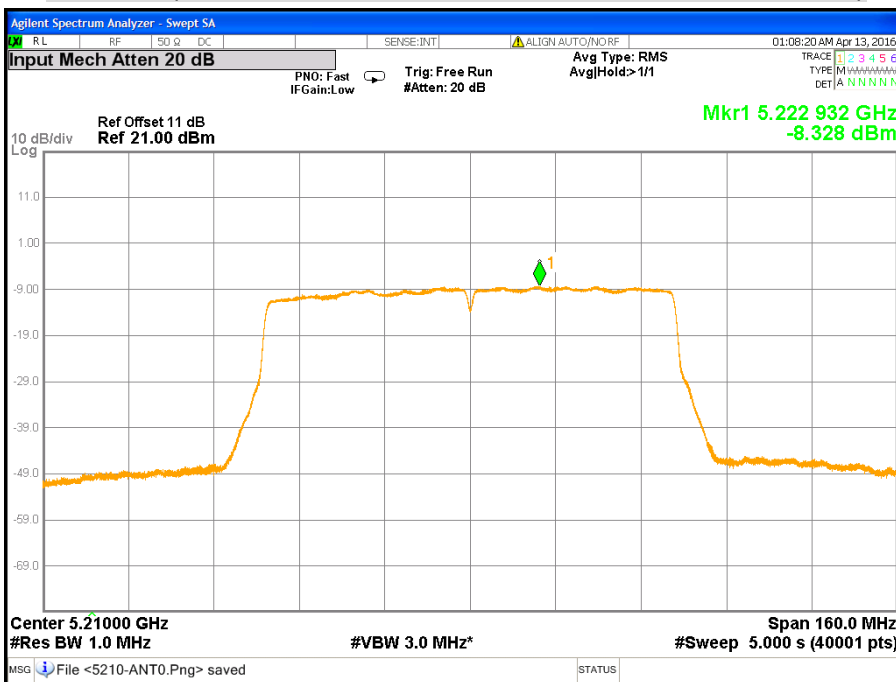
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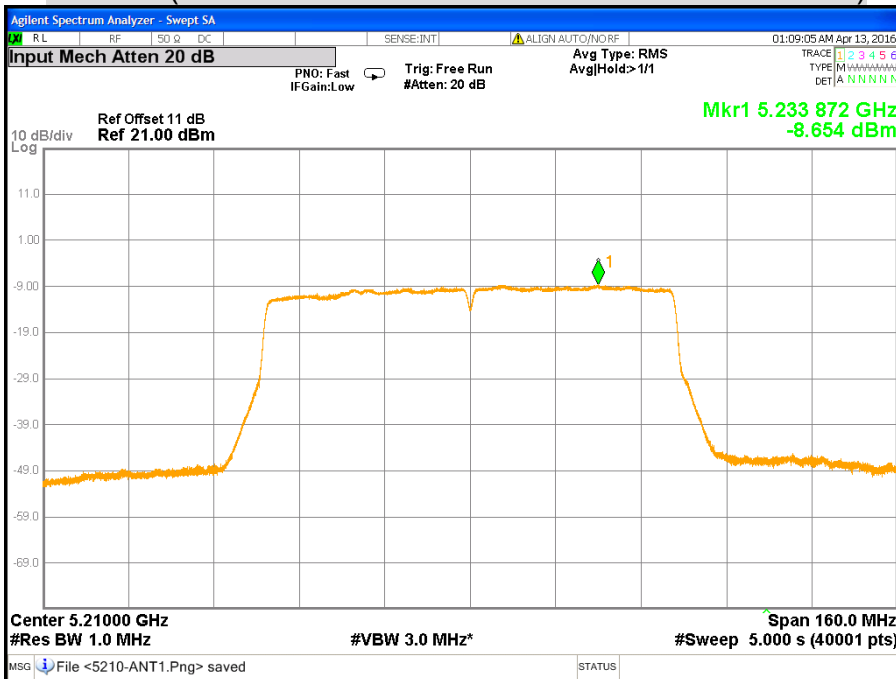
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CH Low (IEEE 802.11ac VHT80 Mode / Band 1 / Chain 0)

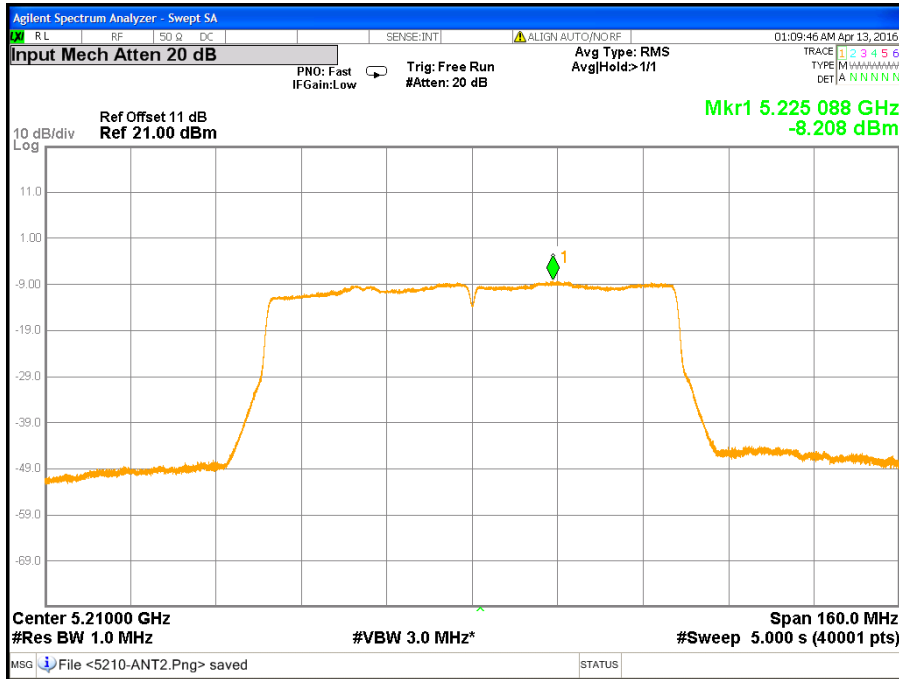


CH Low (IEEE 802.11ac VHT80 Mode / Band 1 / Chain 1)

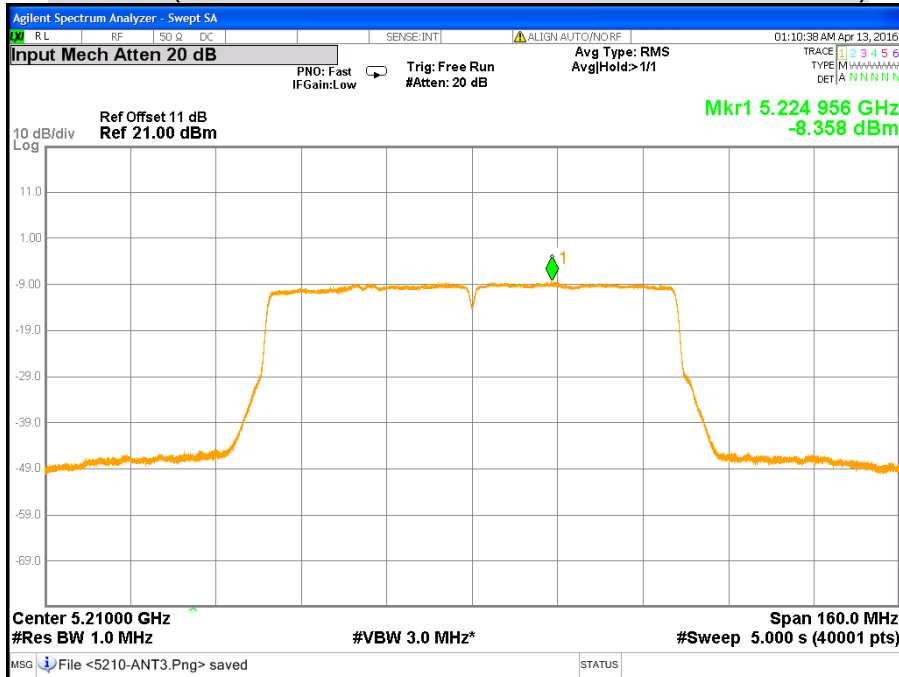




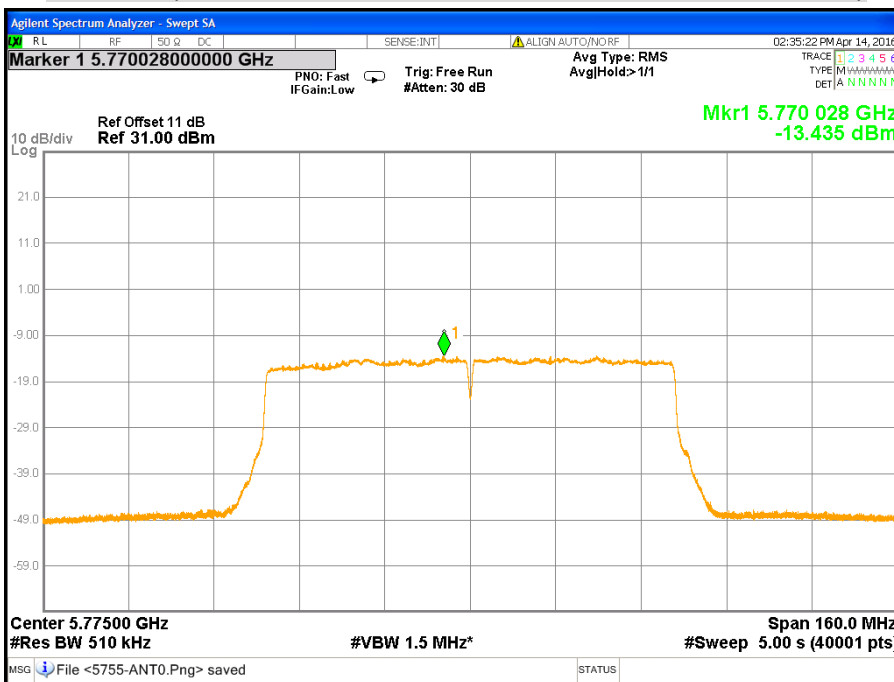
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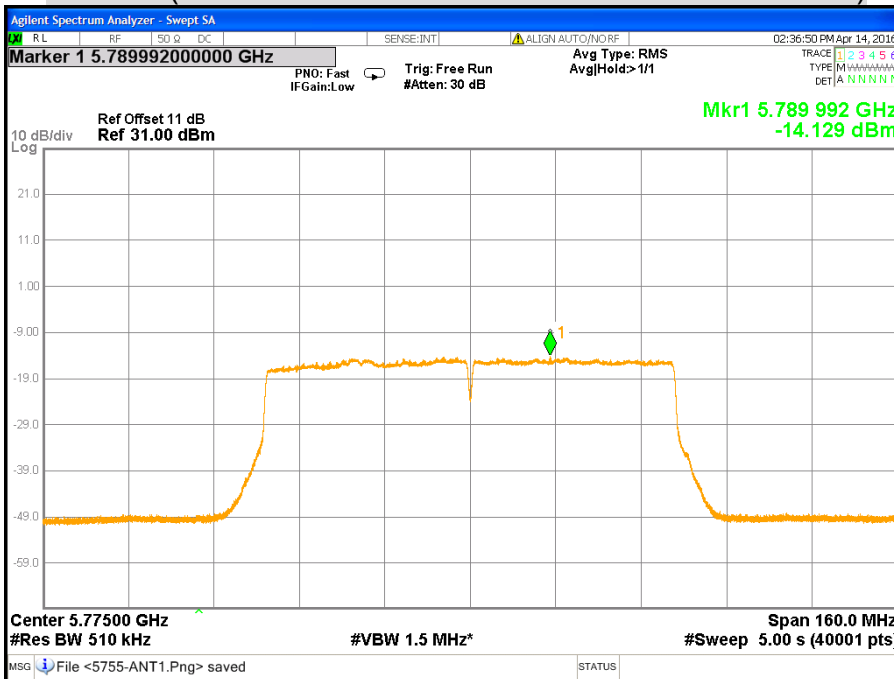
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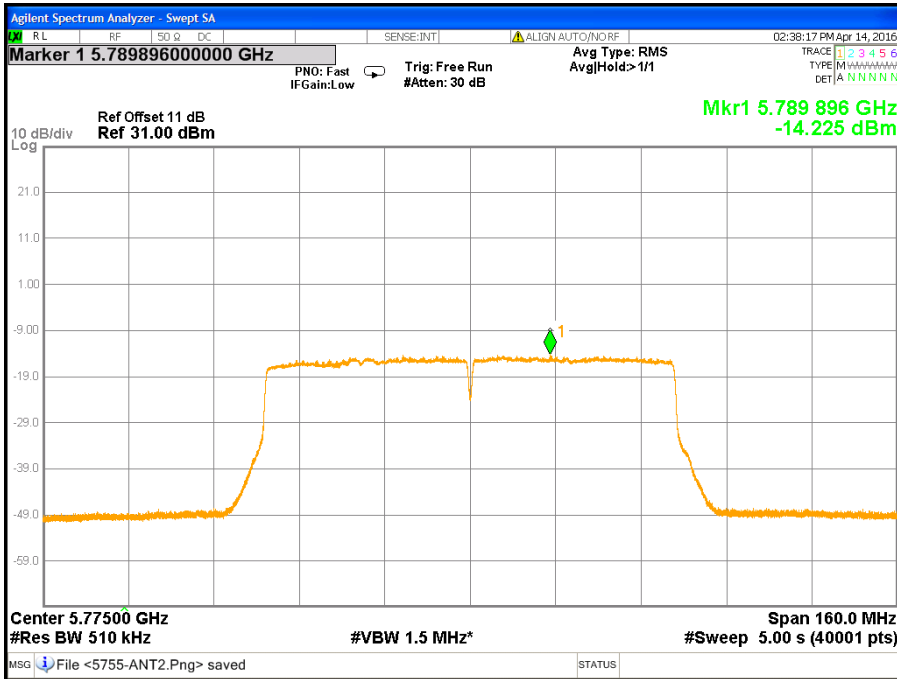
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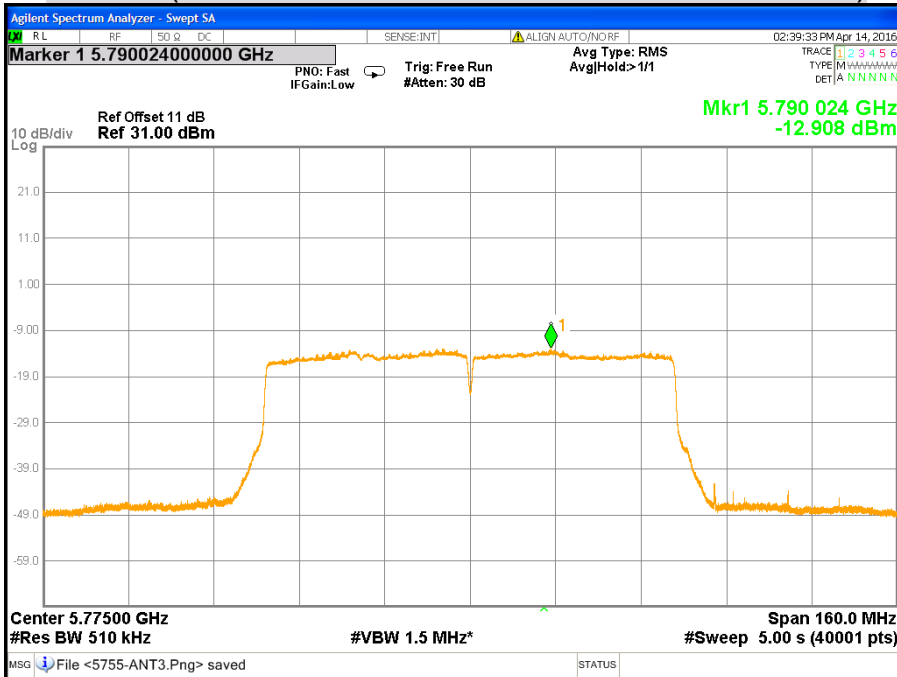
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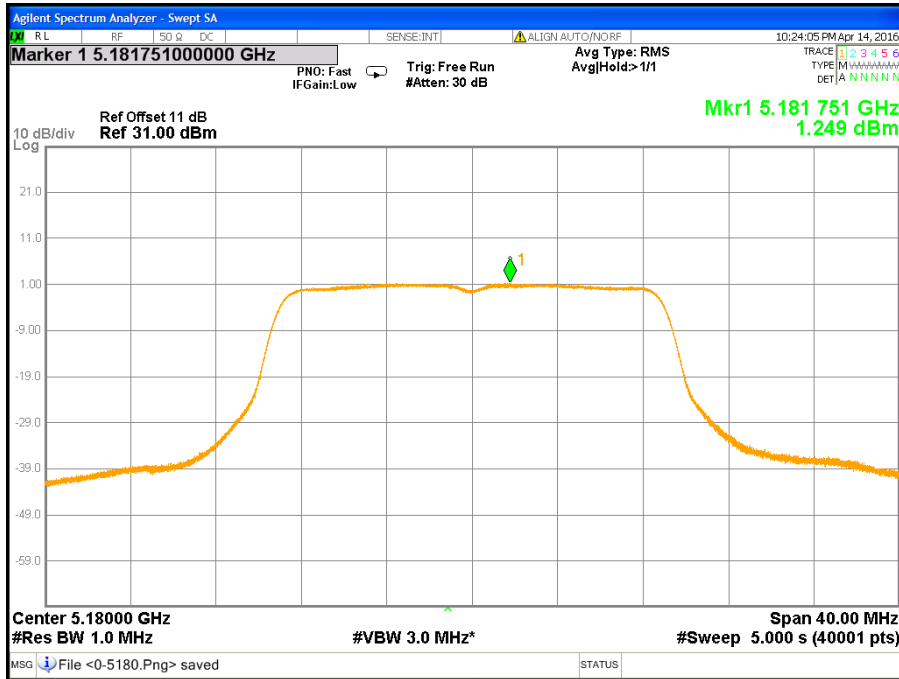


CH Low (IEEE 802.11ac VHT80 Mode / Band 3 / Chain 3)

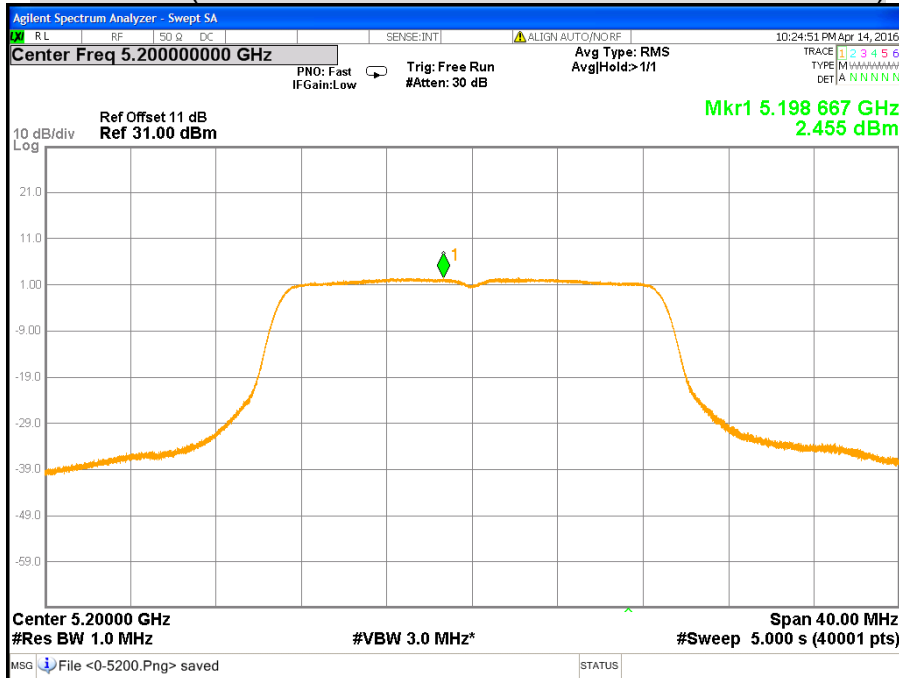


### Beamforming

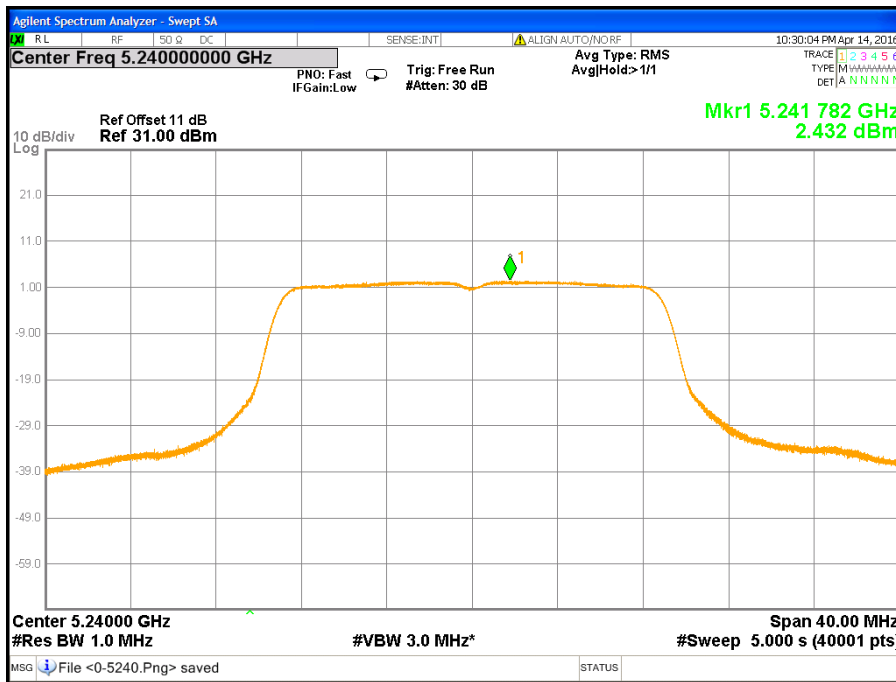
#### CH Low (IEEE 802.11ac VHT20 Mode / Band 1 / Chain 0)



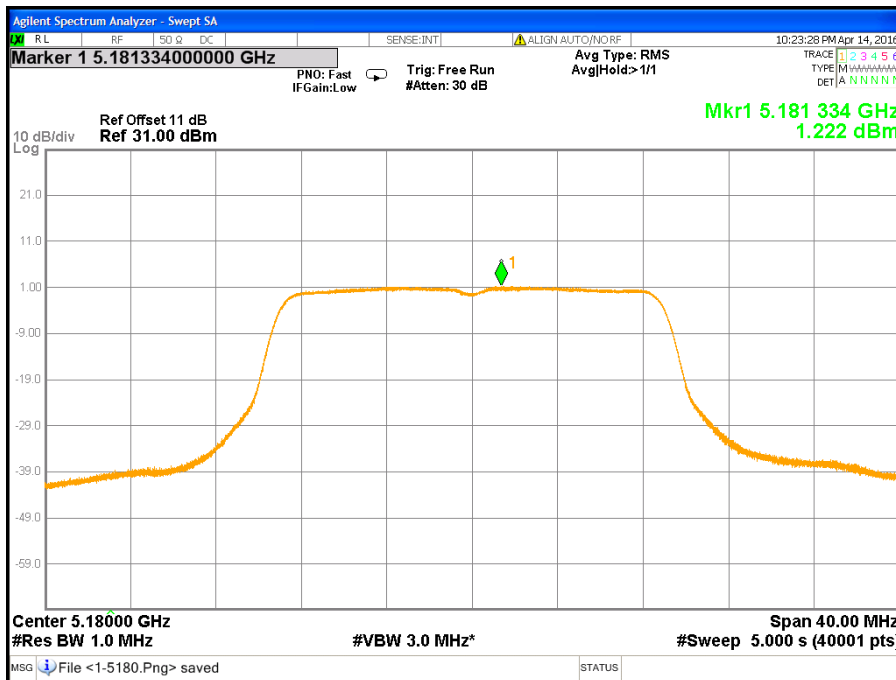
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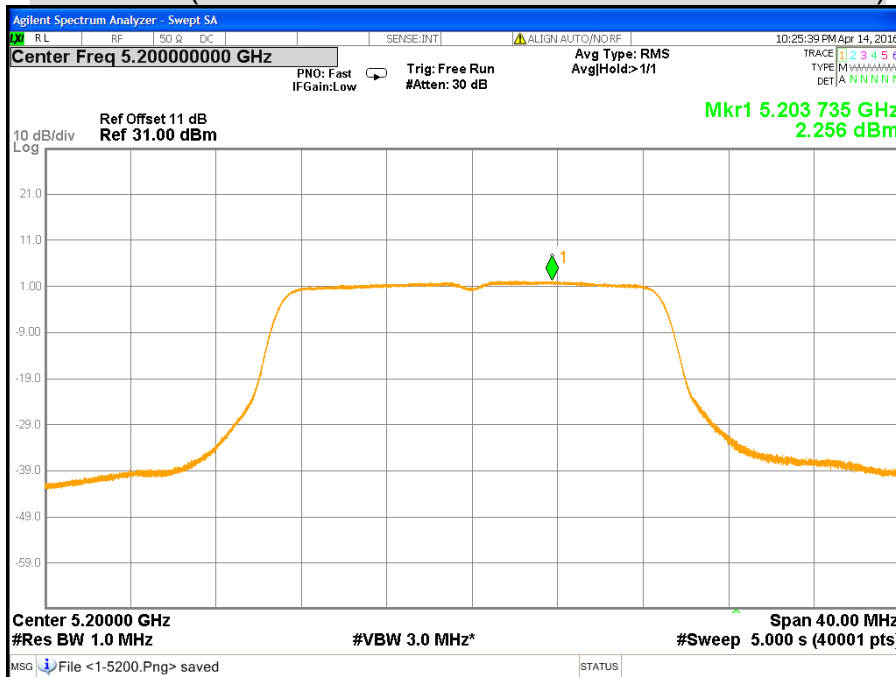
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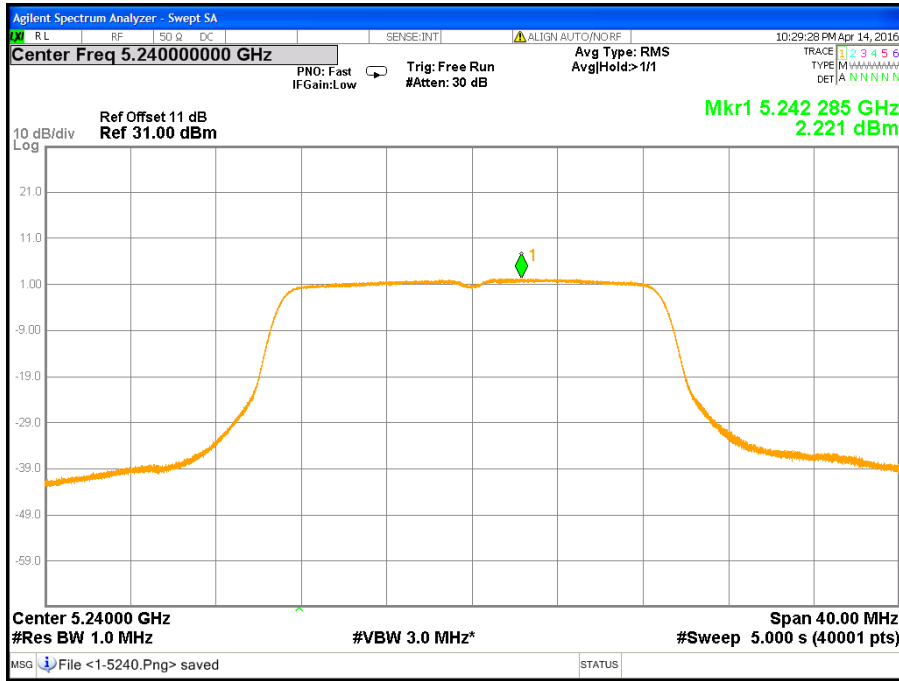
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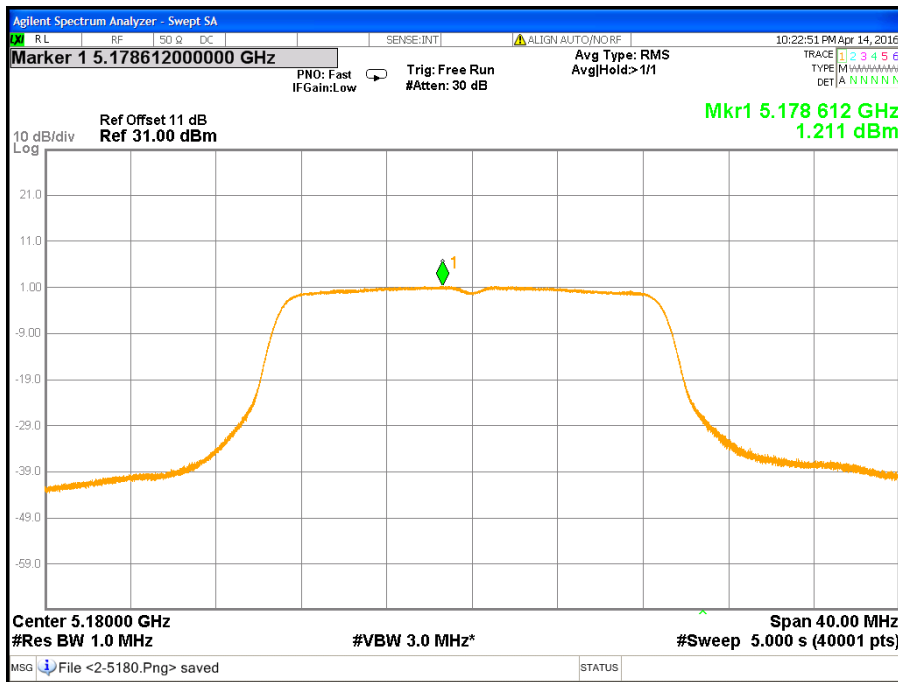
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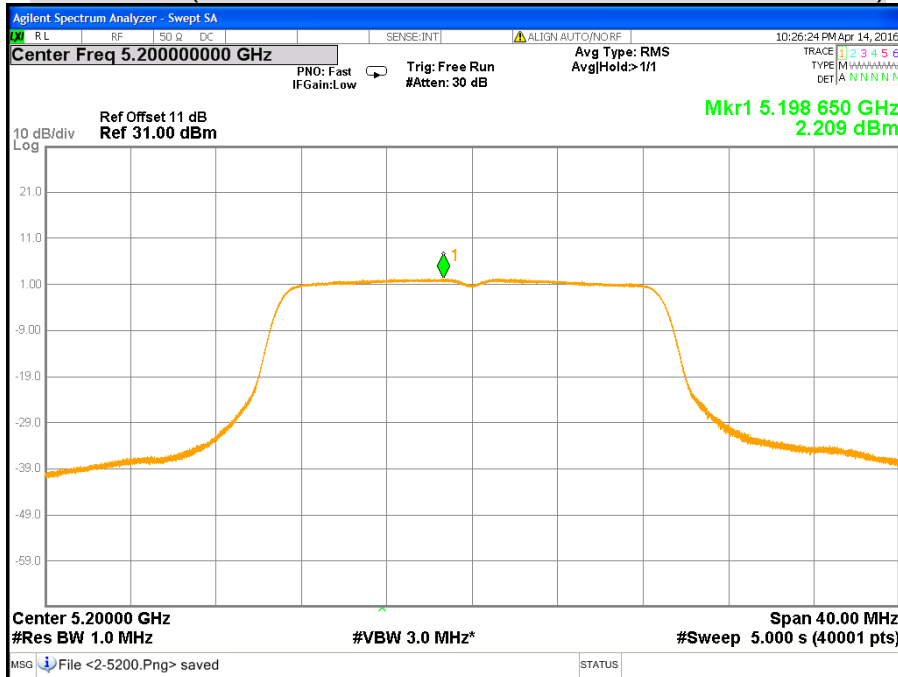
CH High (IEEE 802.11ac VHT20 Mode / Band 1 / Chain 1)



CH Low (IEEE 802.11ac VHT20 Mode / Band 1 / Chain 2)

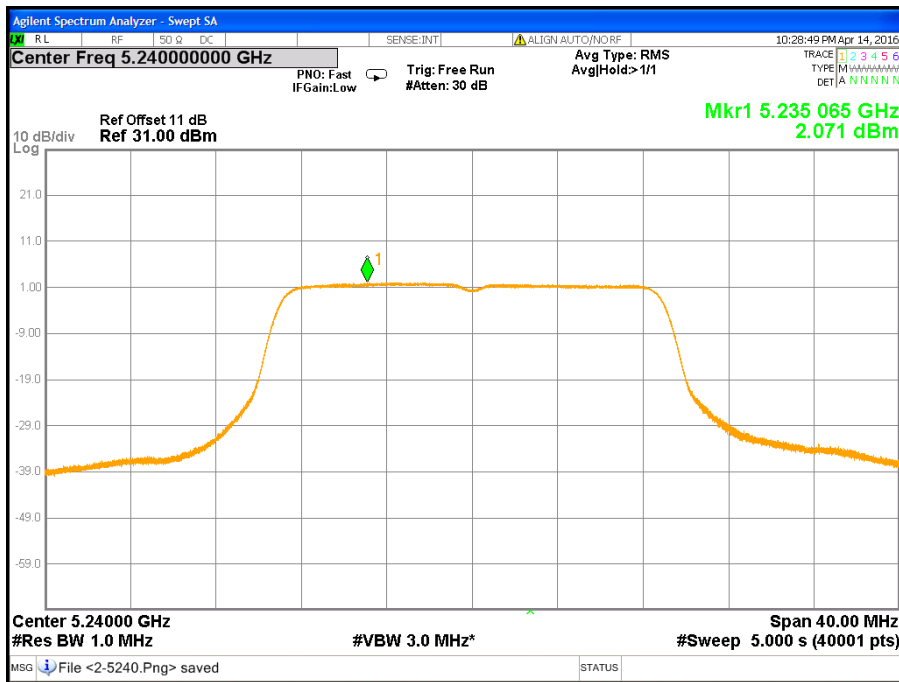


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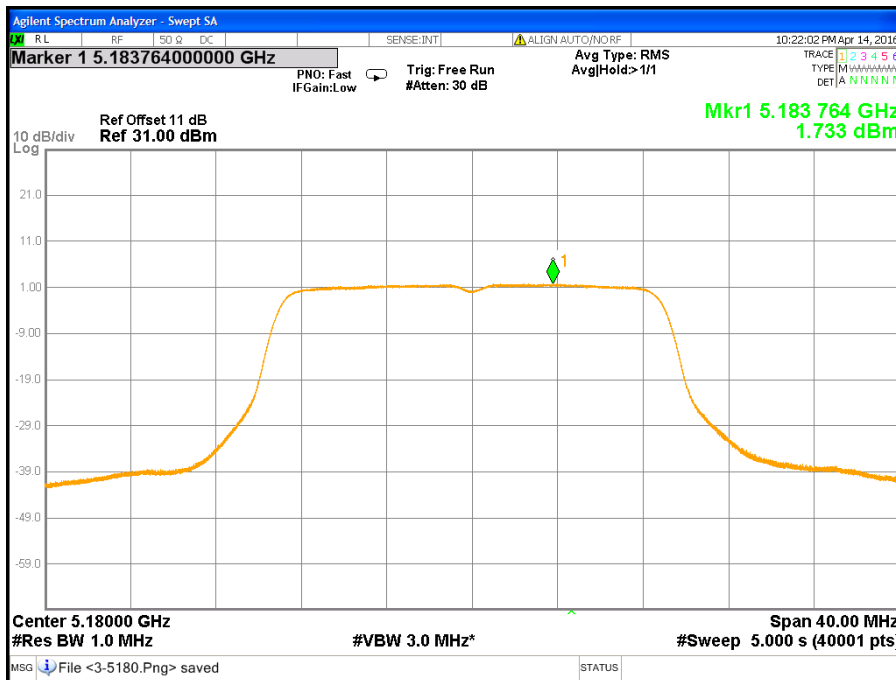




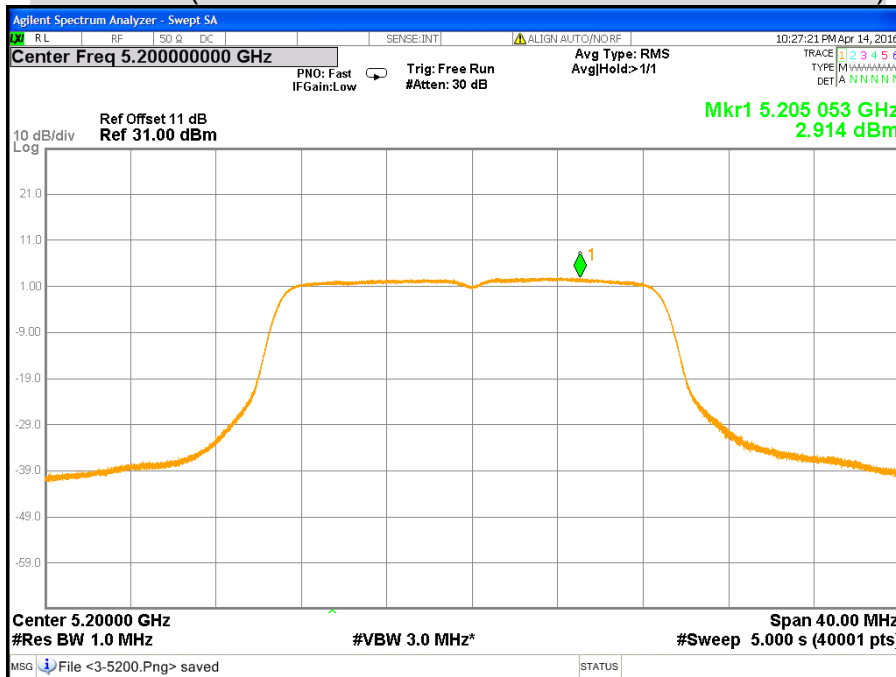
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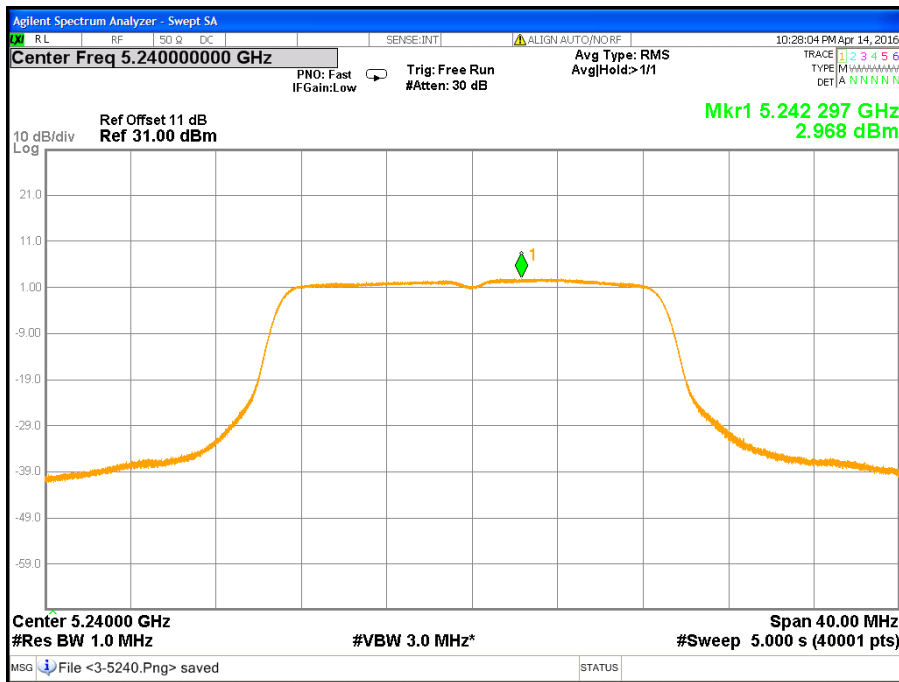
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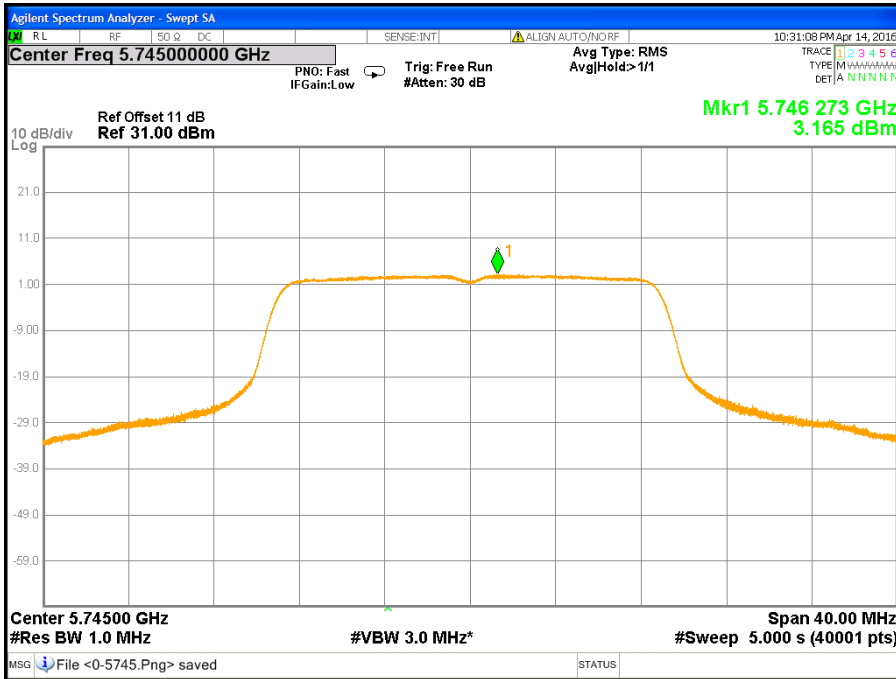
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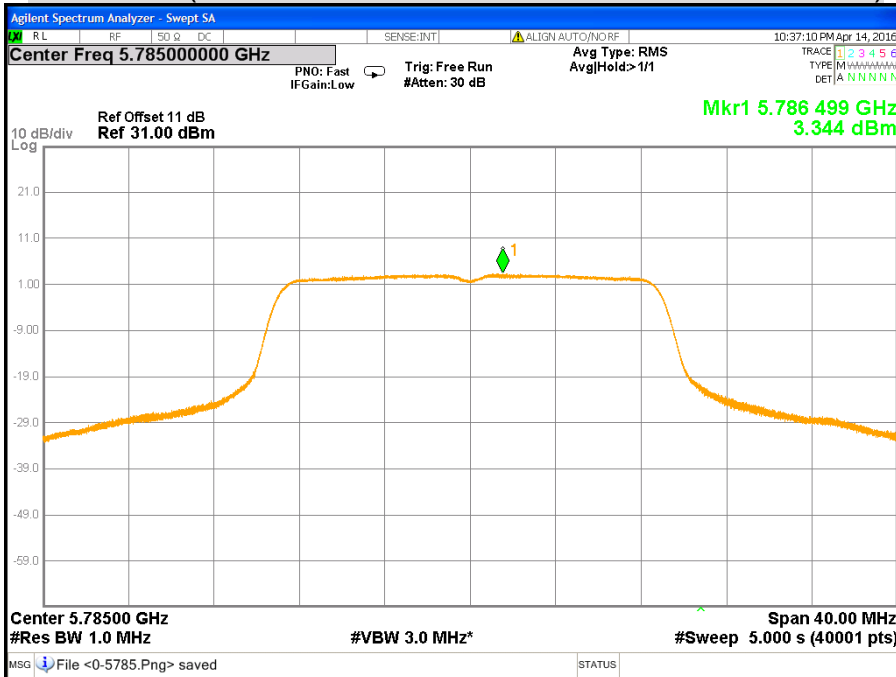
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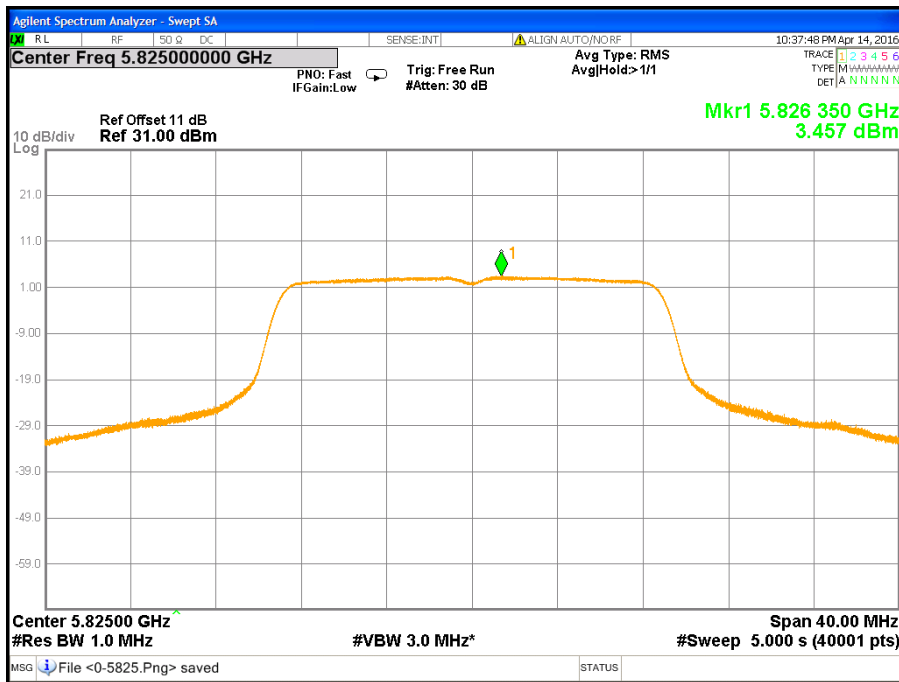
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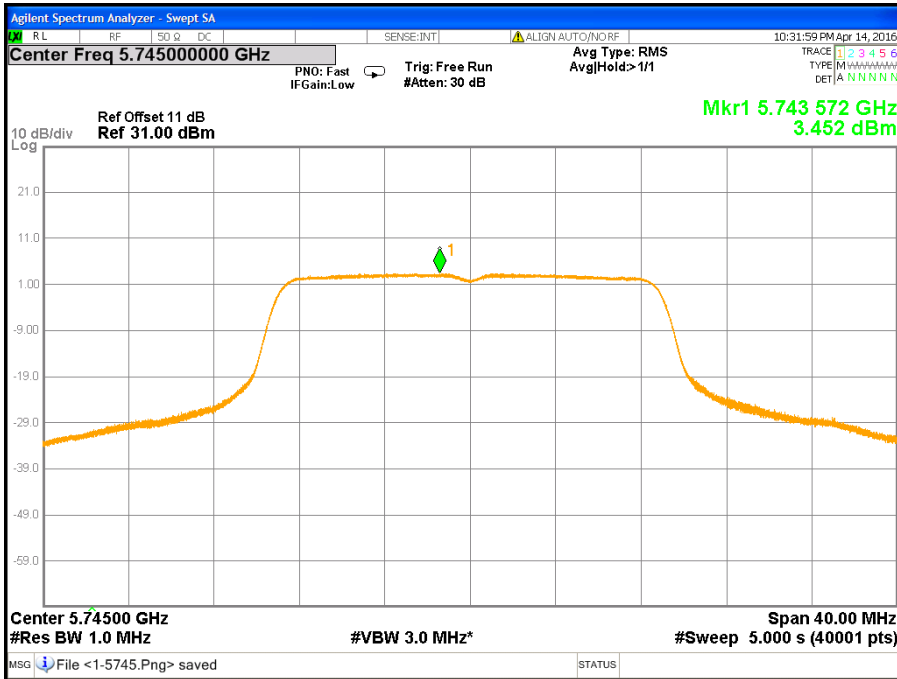
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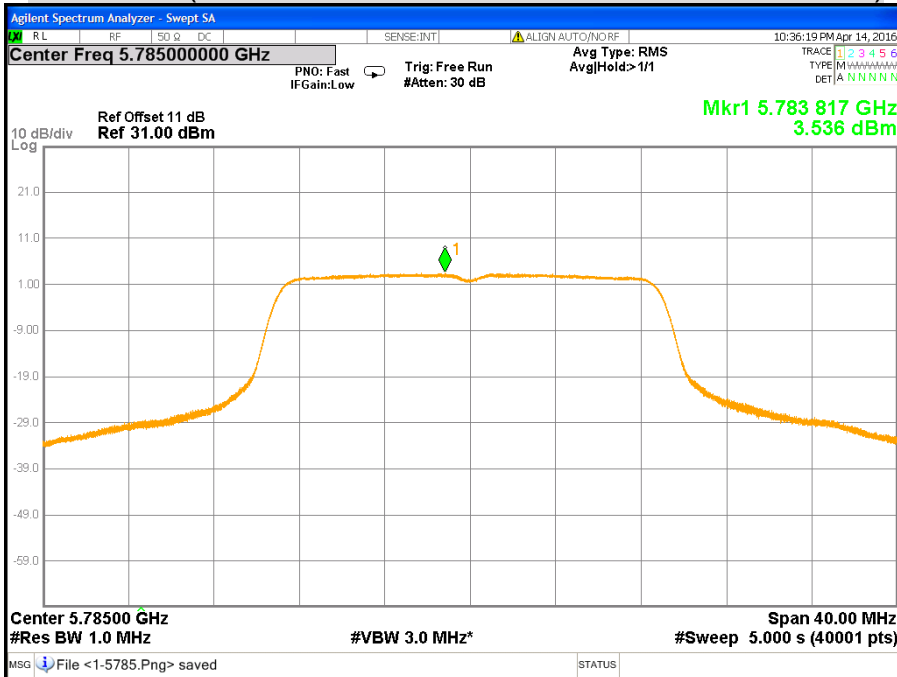
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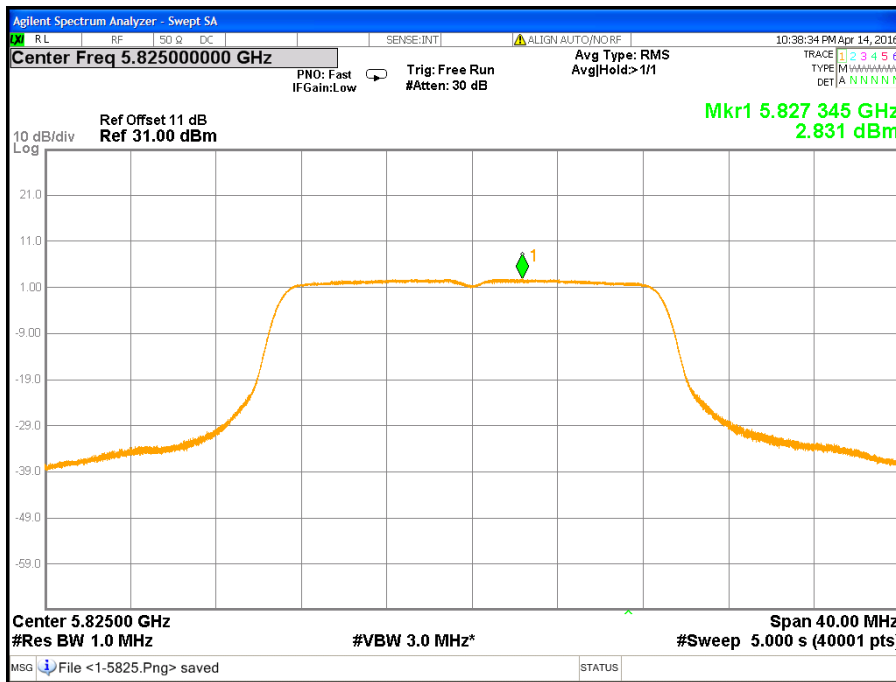
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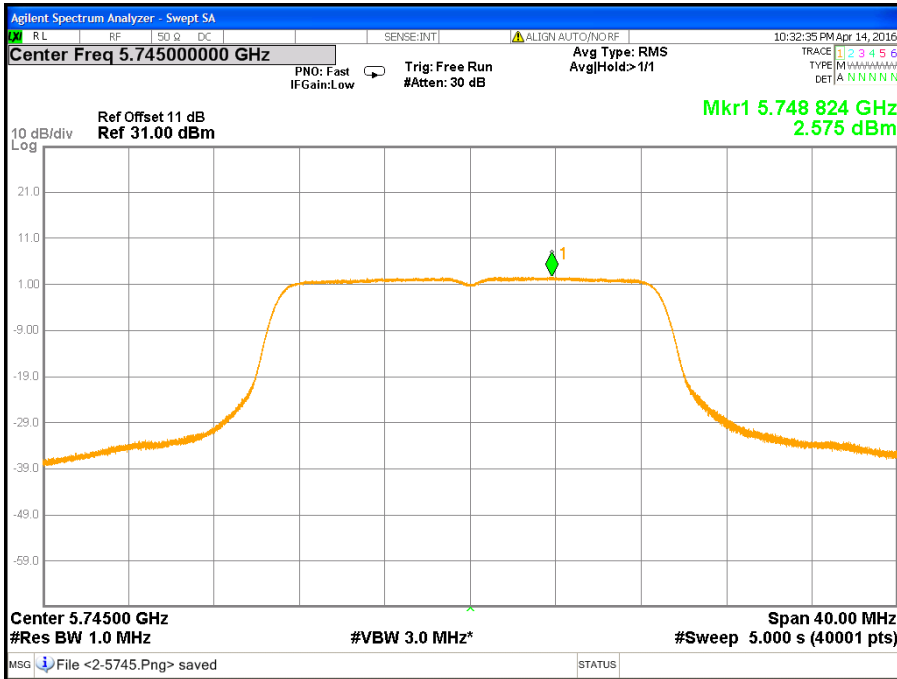
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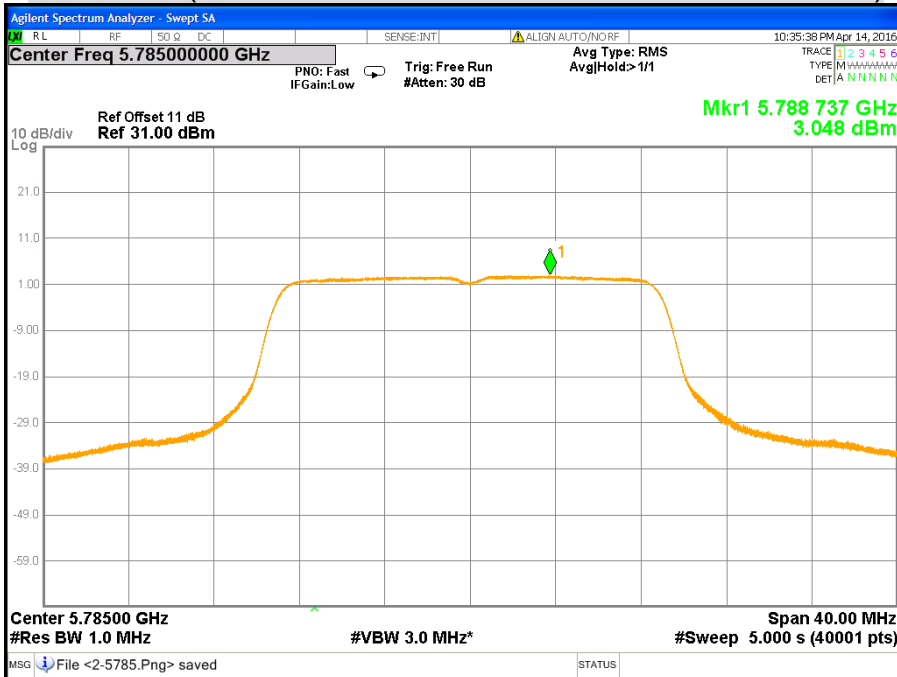
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CH Low (IEEE 802.11ac VHT20 Mode / Band 3 / Chain 2)

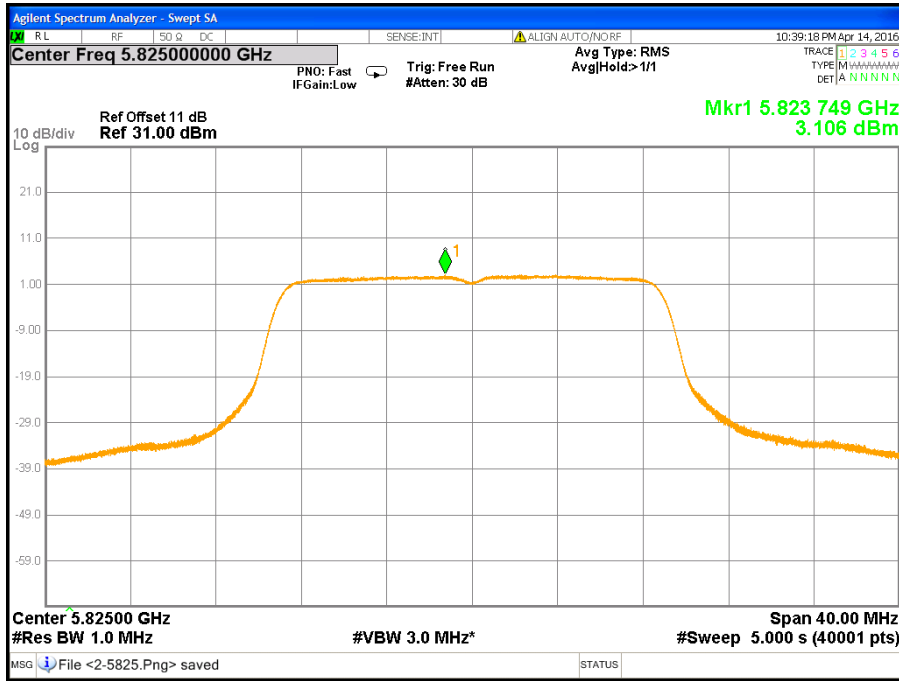


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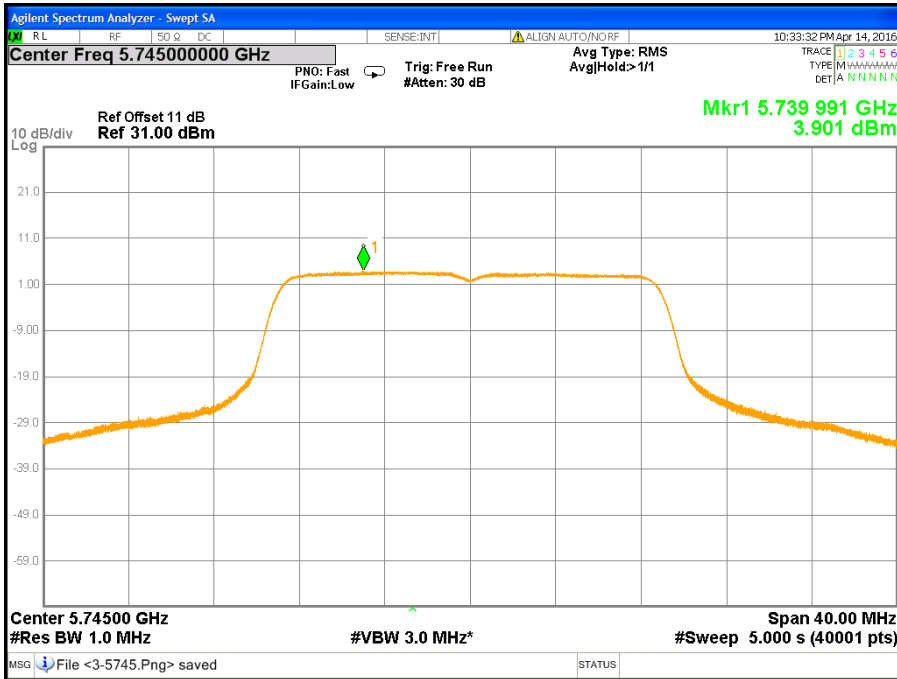




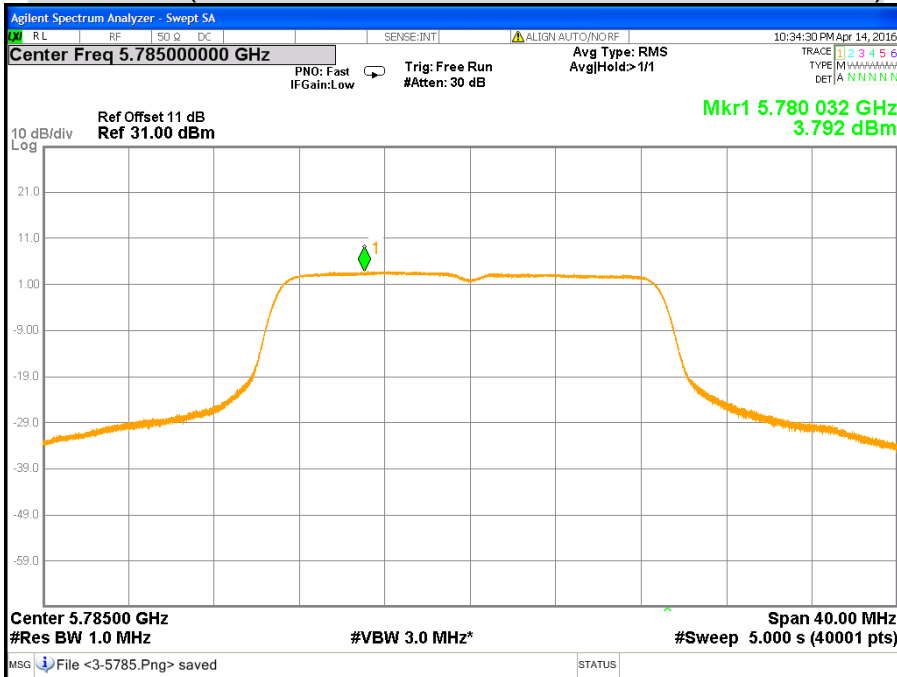
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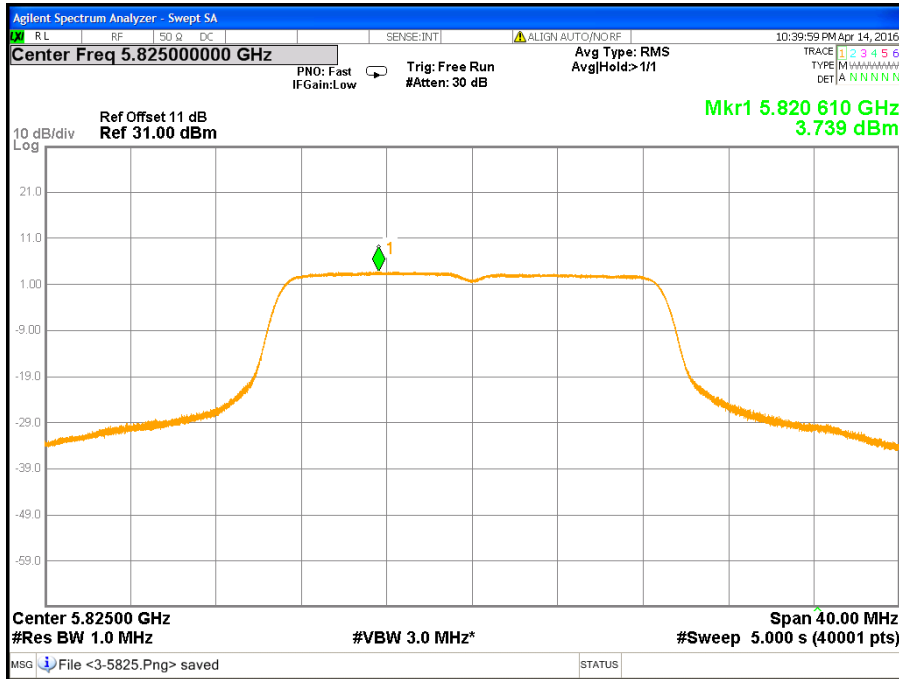
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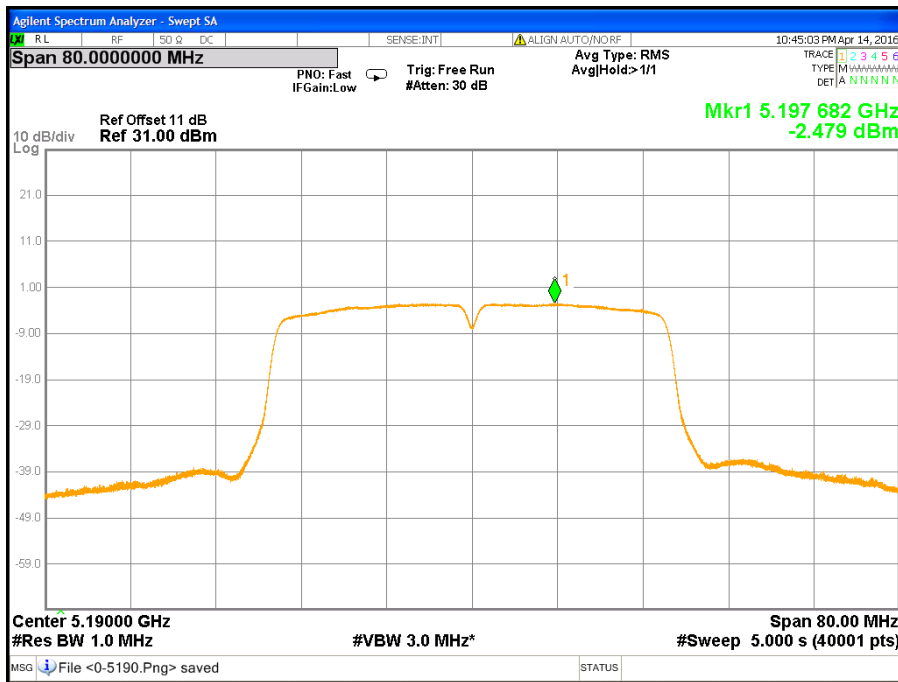
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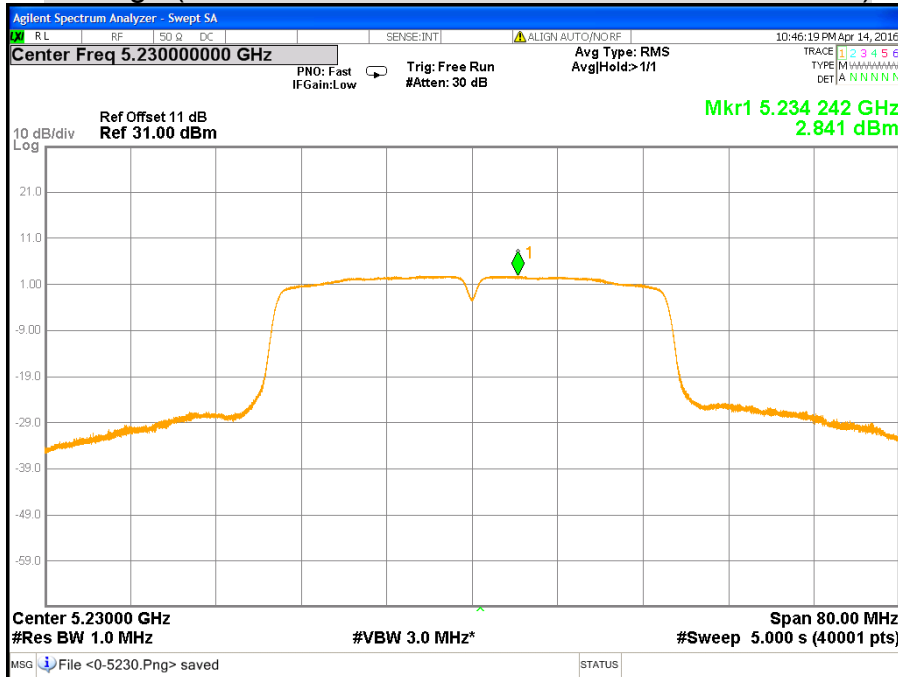
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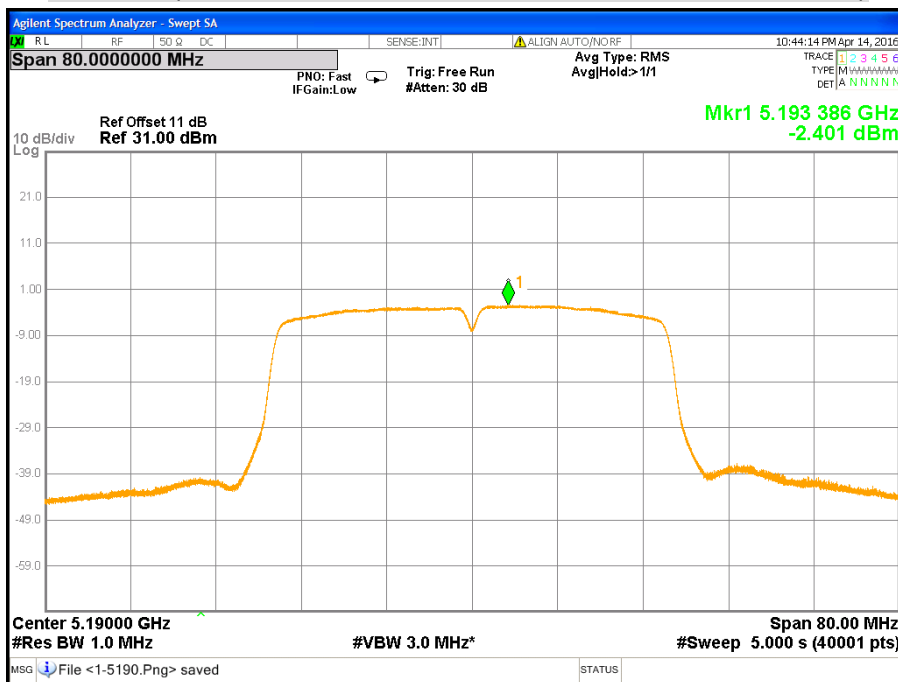
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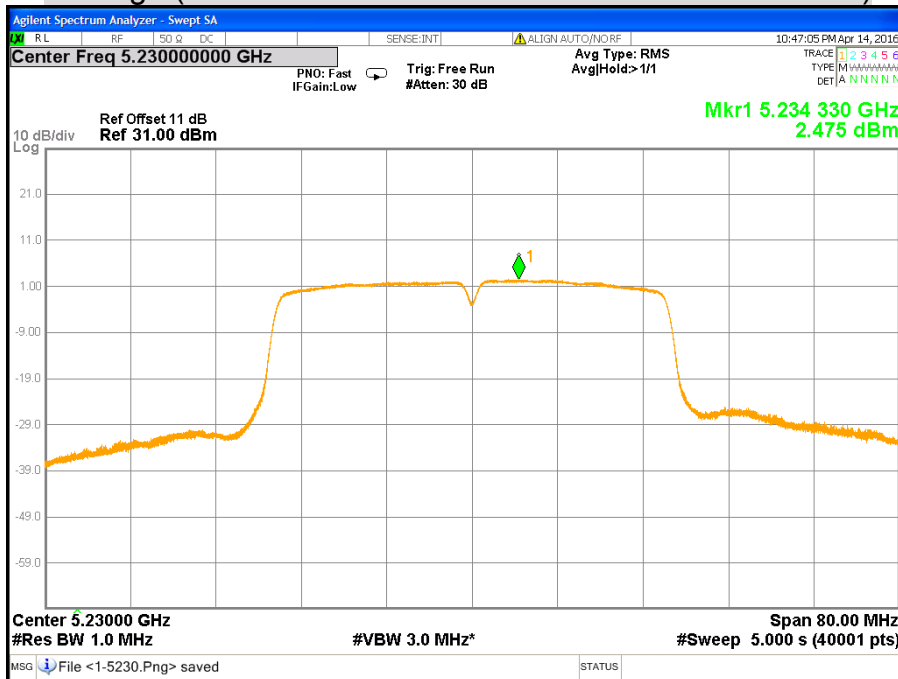
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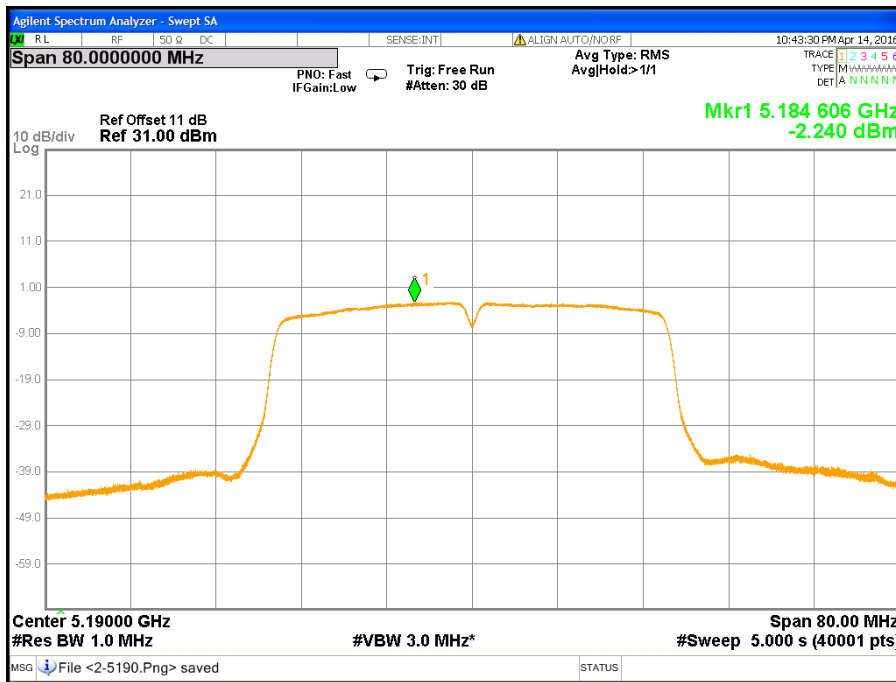
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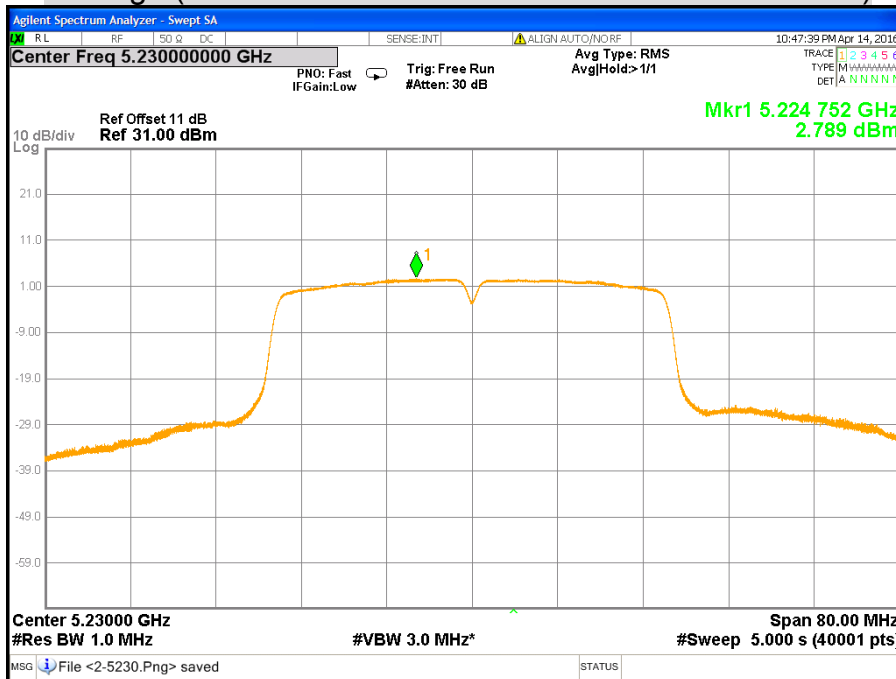
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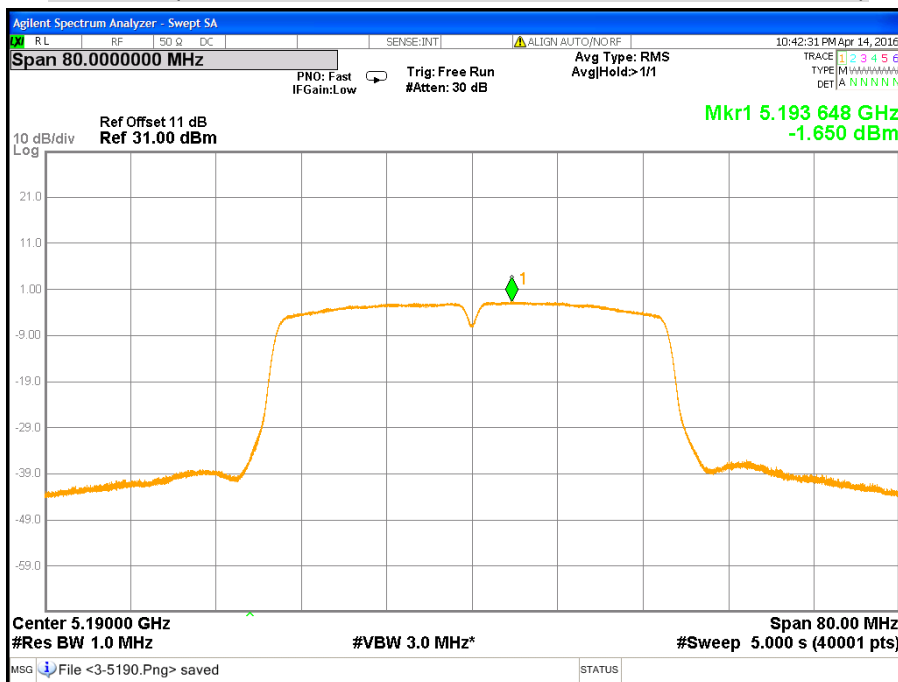
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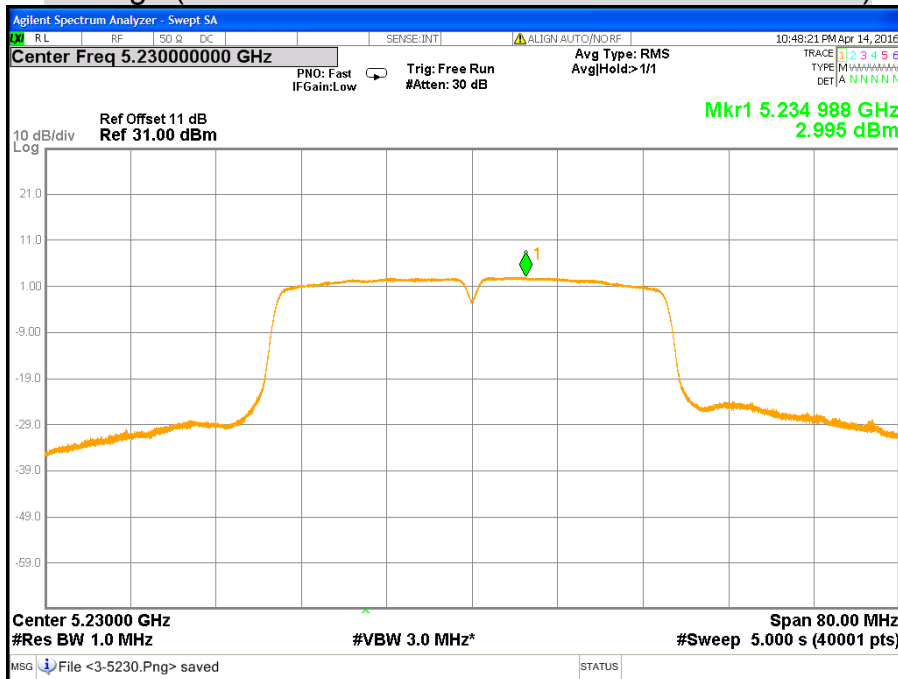
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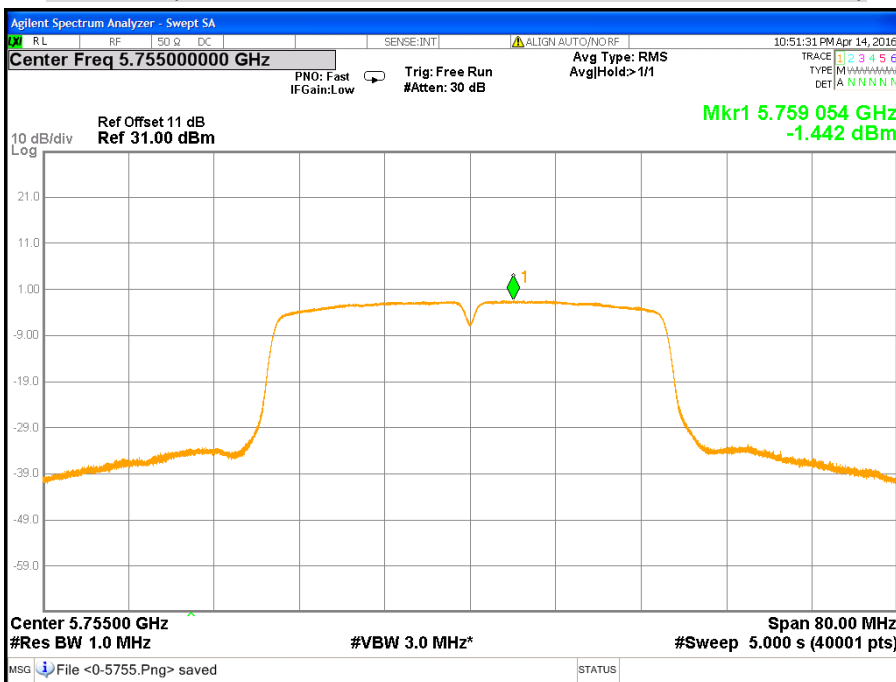
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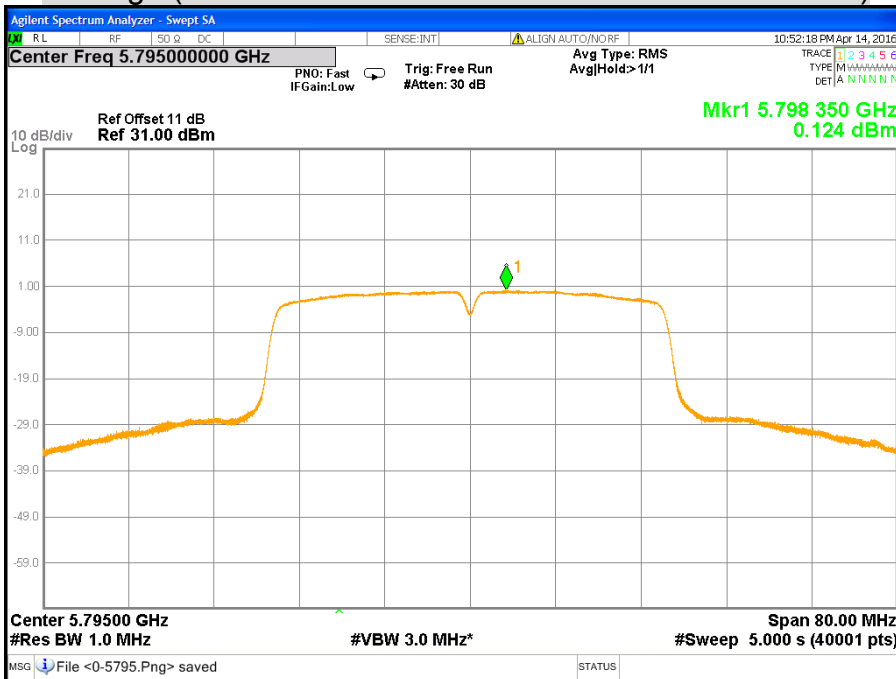
CH High (IEEE 802.11ac VHT40 Mode / Band 1 / Chain 3)



CH Low (IEEE 802.11ac VHT40 Mode / Band 3 / Chain 0)



CH High (IEEE 802.11ac VHT40 Mode / Band 3 / Chain 0)

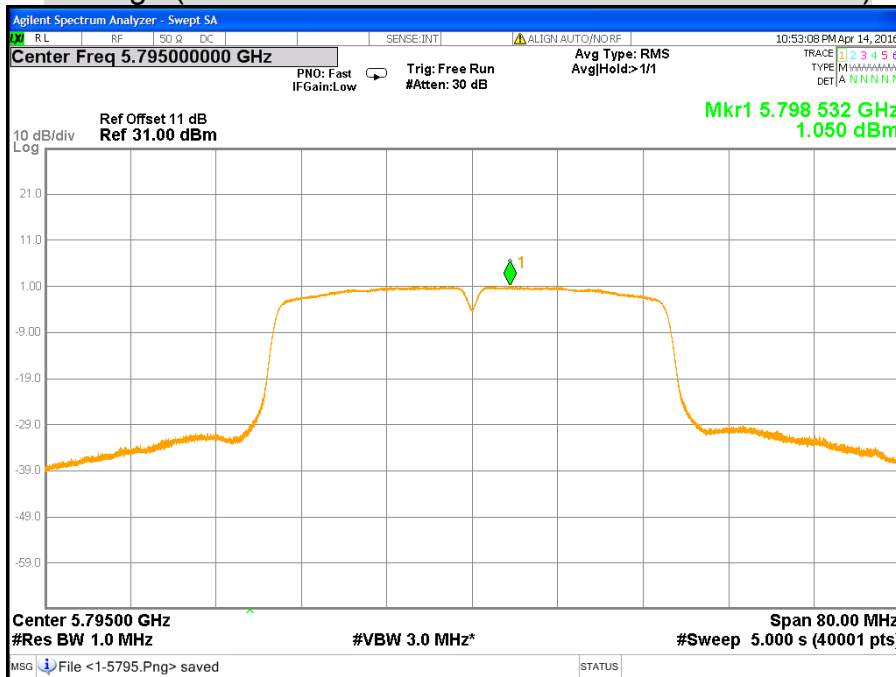




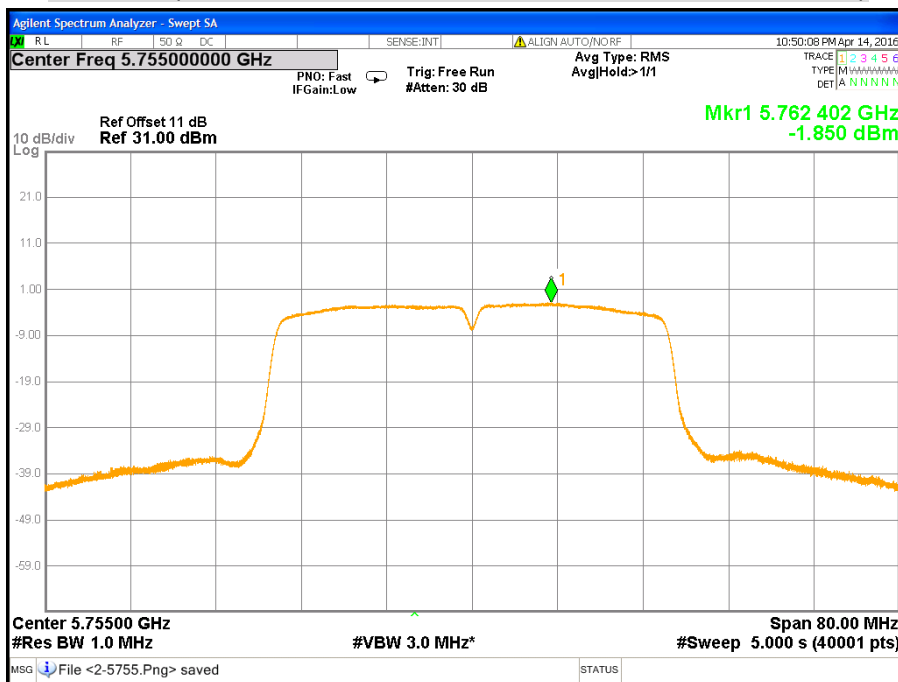
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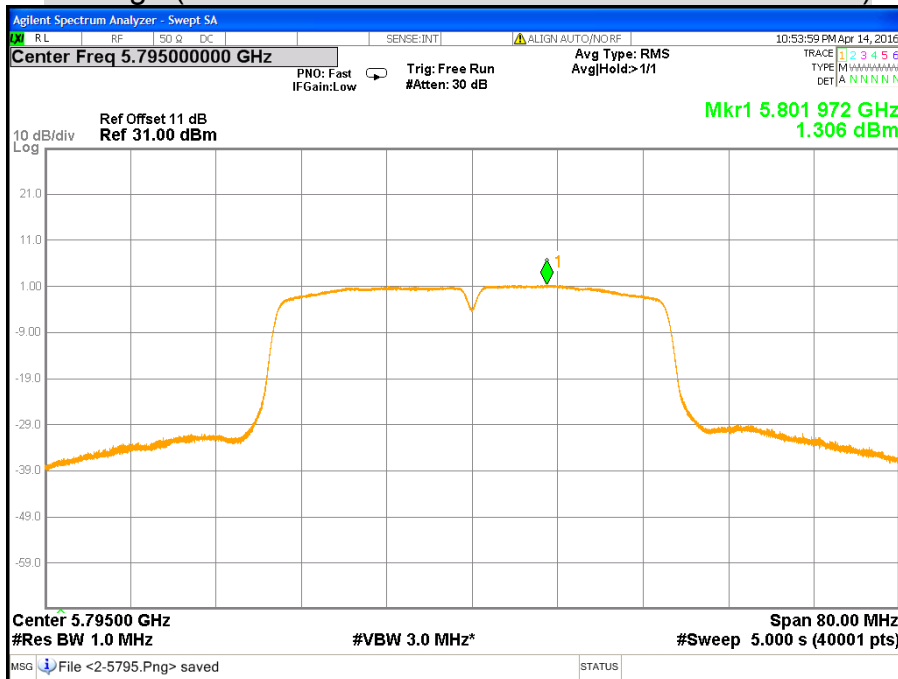
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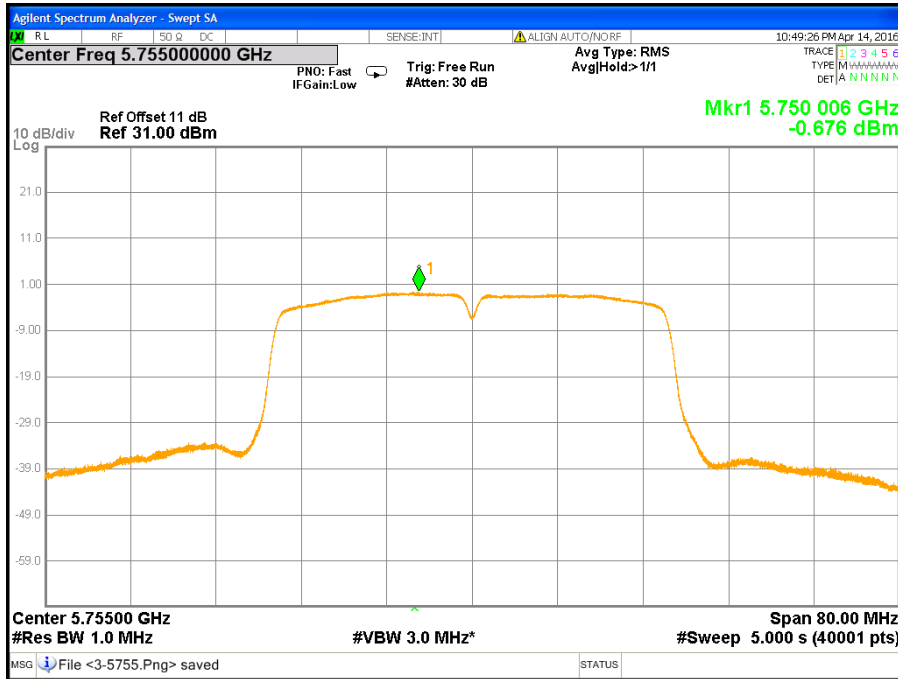
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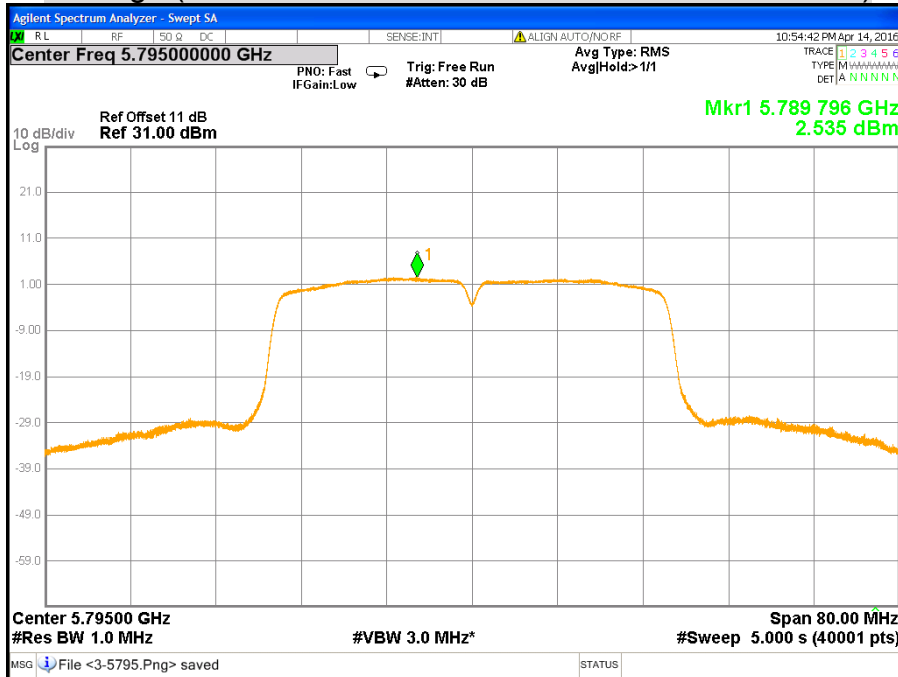
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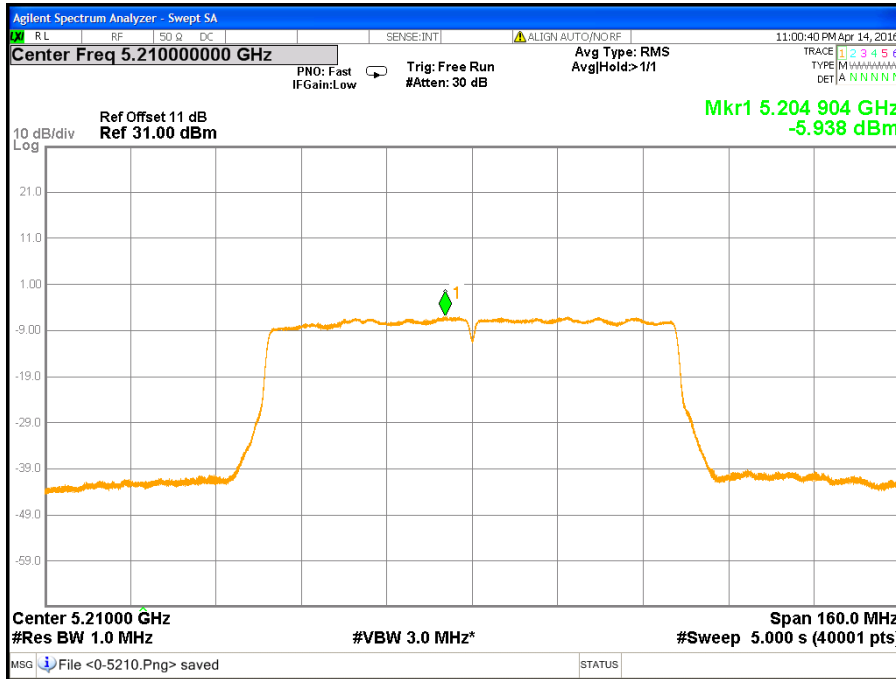
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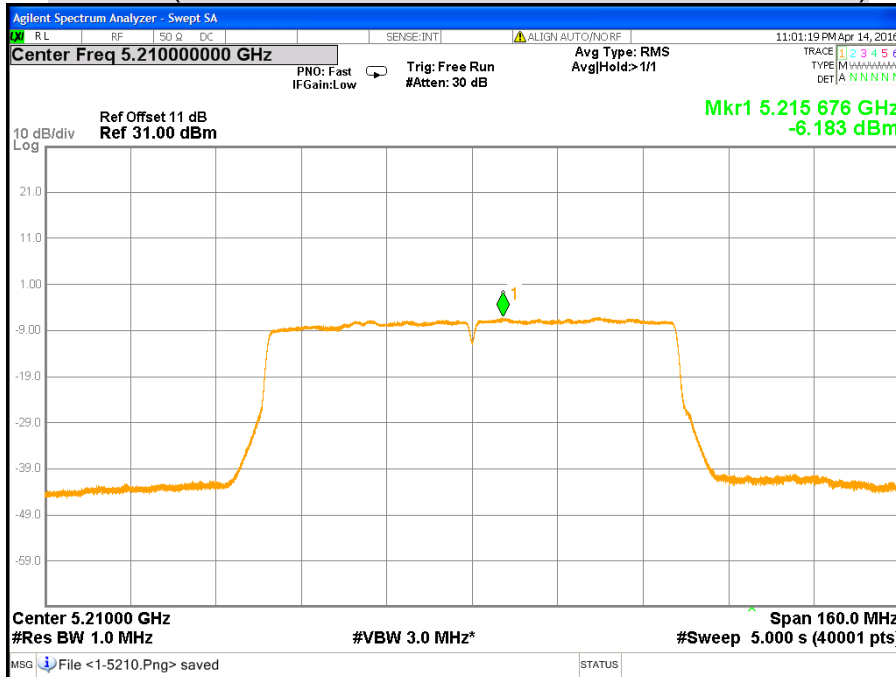
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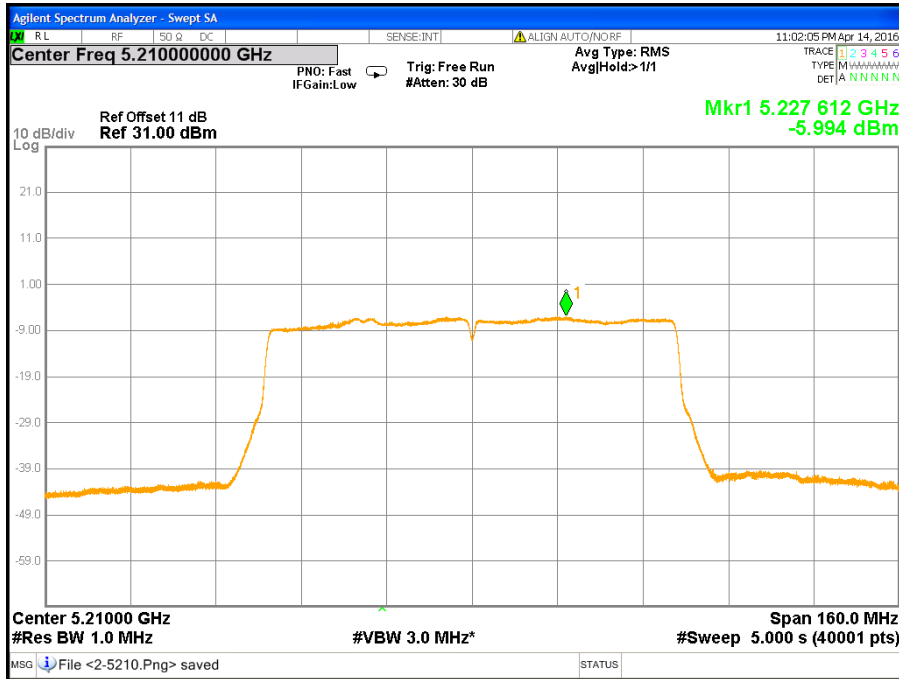
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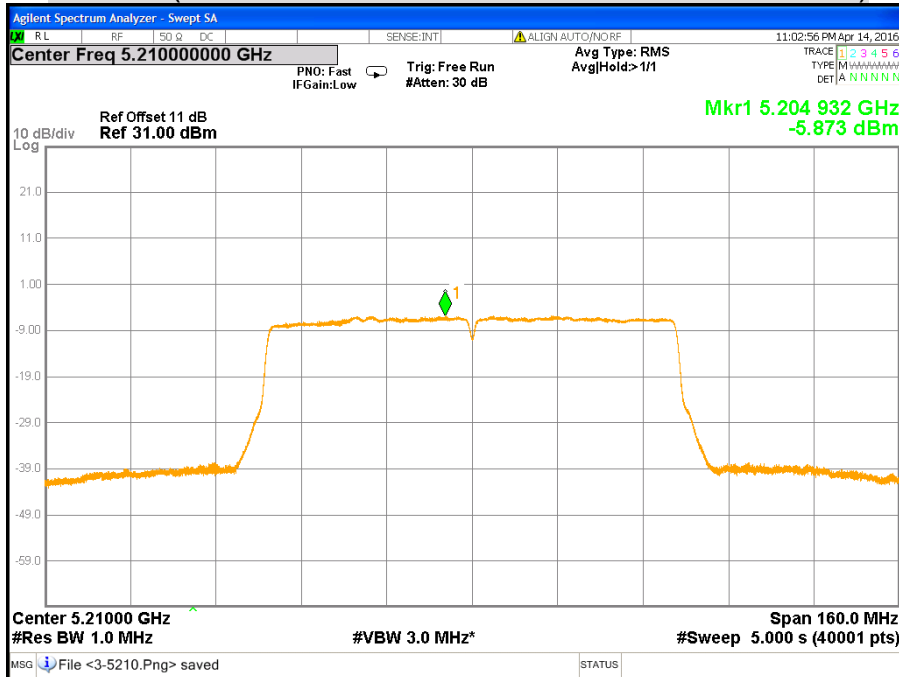
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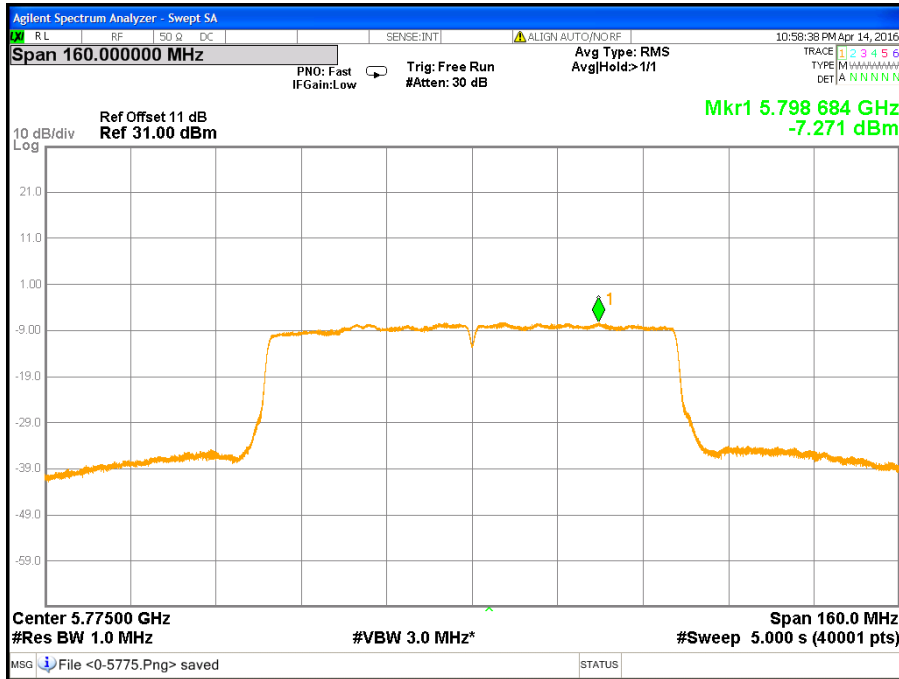
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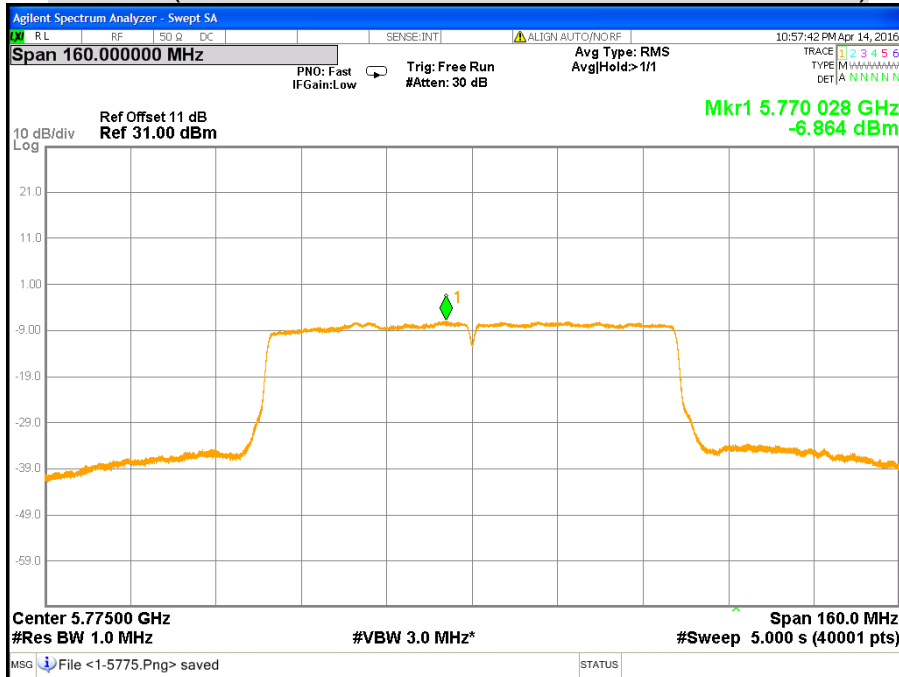
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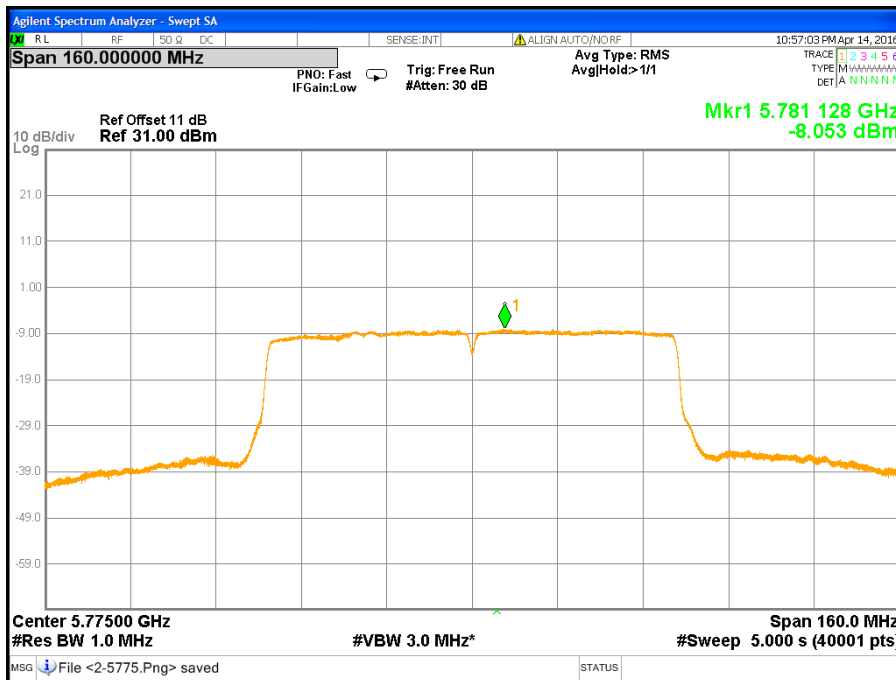
CH Low (IEEE 802.11ac VHT80 Mode / Band 3 / Chain 0)



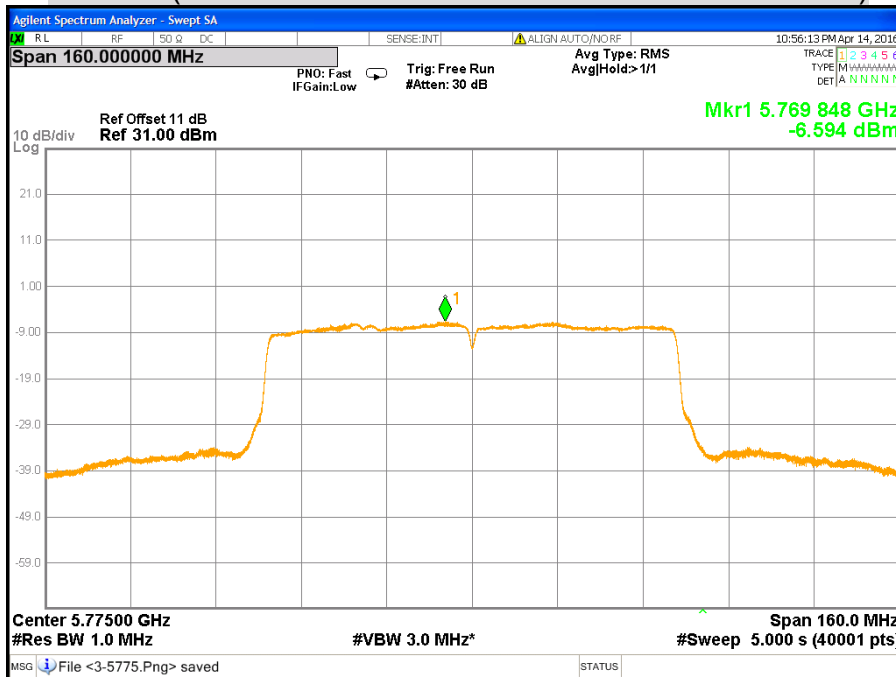
CH Low (IEEE 802.11ac VHT80 Mode / Band 3 / Chain 1)



CH Low (IEEE 802.11ac VHT80 Mode / Band 3 / Chain 2)



CH Low (IEEE 802.11ac VHT80 Mode / Band 3 / Chain 3)



## 7.5 RADIATED EMISSION

### LIMITS

(1) According to § 15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
<sup>1</sup> 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	2655 - 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 - 3338	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	( <sup>2</sup> )
13.36 - 13.41			

**Remark:**

1. <sup>1</sup> Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.
2. <sup>2</sup> Above 38.6

(2) According to § 15.205 (b) Except as provided in paragraphs (d) and (e) of this section, the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in §15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in §15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in §15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in §15.35 apply to these measurements.



(3) According to § 15.209 (a) Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(KHz)	300
0.490 – 1.705	24000/F(KHz)	30
1.705 – 30.0	30	30
30 - 88	100 **	3
88 - 216	150 **	3
216 - 960	200 **	3
Above 960	500	3

**Remark:** \*\*Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

(4) According to § 15.209 (b) In the emission table above, the tighter limit applies at the band edges.

**TEST EQUIPMENT**

**Radiated Emission / 966Chamber\_B**

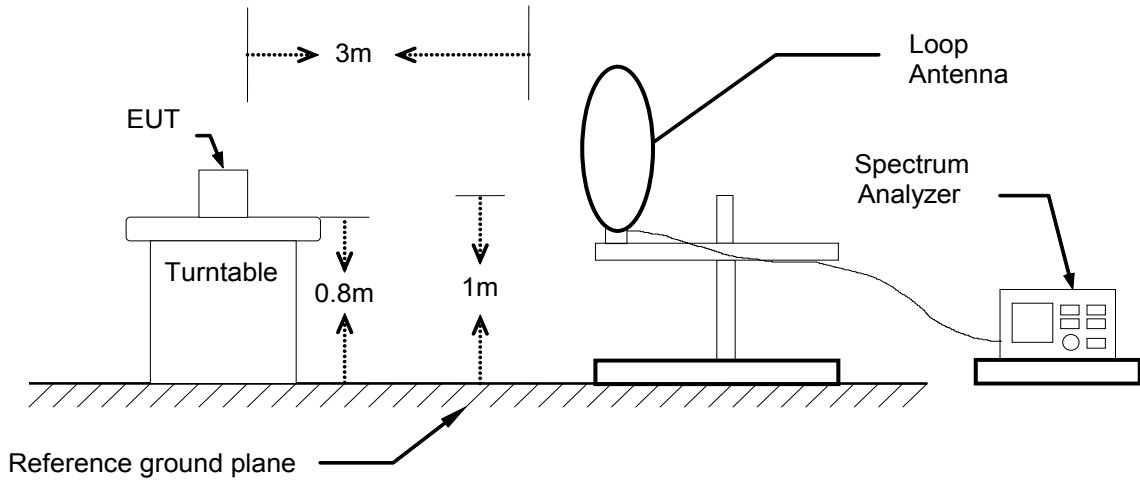
Name of Equipment	Manufacture	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	E4446A	MY46180323	04/12/2017
EMI Test Receiver	Rohde & Schwarz	ESCI	101131	03/15/2017
Bi-log Antenna	TESEQ	CBL 6112D	35403	08/04/2016
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120 D	9120D-778	08/09/2016
Double-Ridged Waveguide Horn	ETS-LINDGREN	3117	00078733	11/25/2016
Horn Antenna	COM-POWER	AH-840	03077	12/08/2016
Pre-Amplifier	Agilent	8447D	2944A10052	07/14/2016
Pre-Amplifier	Agilent	8449B	3008A01916	07/14/2016
LOOP Antenna	COM-POWER	AL-130	121060	05/24/2016
Test S/W	E3.815206a			

**Remark:** Each piece of equipment is scheduled for calibration once a year.

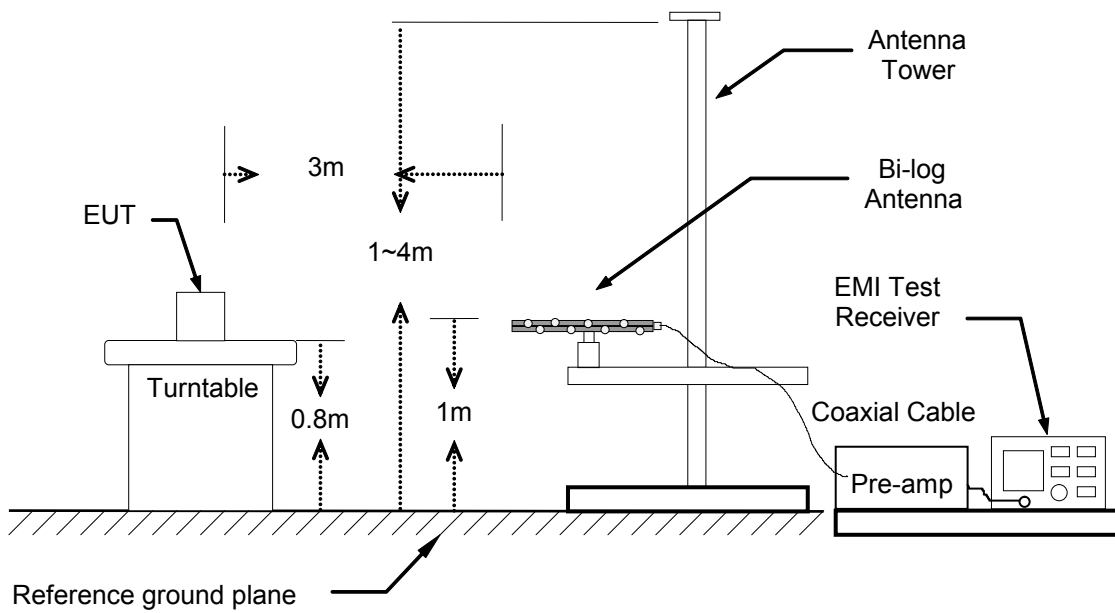
**TEST SETUP**

The diagram below shows the test setup that is utilized to make the measurements for emission below 1GHz.

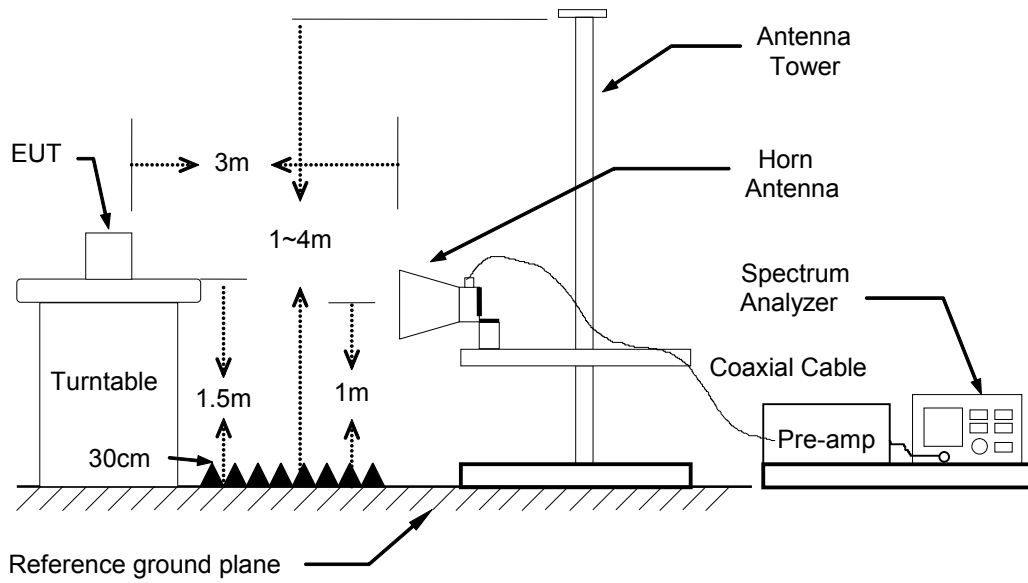
**9kHz ~ 30MHz**



**30MHz ~ 1GHz**



The diagram below shows the test setup that is utilized to make the measurements for emission above 1GHz.



**TEST PROCEDURE**

1. The EUT was placed on the top of a rotating table 0.8 and 1.5 meters above the ground. The table was rotated 360 degrees to determine the position of the highest radiation.
2. While measuring the radiated emission below 1GHz, the EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. While measuring the radiated emission above 1GHz, the EUT was set 3 meters away from the interference-receiving antenna.
3. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarization of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

***Remark:***

1. *The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 KHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.*
2. *The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz for Peak detection and frequency above 1GHz.*
3. *The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 Hz for Average detection (AV) at frequency above 1GHz.*

**TEST RESULTS**

**Below 1 GHz (9kHz ~ 30MHz)**

No emission found between lowest internal used/generated frequency to 30MHz.

**Below 1 GHz (30MHz ~ 1GHz)**

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Jey Li
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/05/09
<b>Test Mode</b>	Mode 2	<b>Temp. &amp; Humidity</b>	22° C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
86.26	54.13	-18.53	35.60	40.00	-4.40	202	200	Peak
125.06	53.45	-14.35	39.10	43.50	-4.40	92	200	Peak
270.56	51.52	-11.90	39.62	46.00	-6.38	216	100	Peak
375.32	54.30	-9.66	44.64	46.00	-1.36	30	100	QP
625.58	49.74	-6.44	43.30	46.00	-2.70	199	100	Peak
875.84	49.10	-3.19	45.91	46.00	-0.09	12	100	QP

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
32.91	47.40	-9.78	37.62	40.00	-2.38	166	100	QP
49.40	58.50	-18.89	39.61	40.00	-0.39	64	100	QP
57.16	59.20	-20.47	38.73	40.00	-1.27	320	100	QP
68.80	58.60	-20.65	37.95	40.00	-2.05	208	100	QP
125.06	57.84	-14.35	43.49	43.50	-0.01	48	100	QP
375.32	55.51	-9.66	45.85	46.00	-0.15	135	100	QP
625.58	51.36	-6.44	44.92	46.00	-1.08	103	100	Peak

**Remark:**

1. Quasi-peak test would be performed if the peak result were greater than the quasi-peak limit.
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) – PreAmp.Gain (dB)
3. Result (dBuV/m) = Reading (dBuV) + Correction Factor (dB/m)
4. Margin (dB) = Remark result (dBuV/m) - Quasi-peak limit (dBuV/m).

**Above 1GHz**

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Davis Tseng
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/03/30
<b>Test Mode</b>	UNII Band 1 / IEEE 802.11a Mode TX / CH Low / Non-beamforming	<b>Temp. &amp; Humidity</b>	24°C, 52%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	49.34	4.37	53.71	74.00	-20.29	194	100	Peak
3780.00	45.33	5.63	50.96	54.00	-3.04	209	197	Average
3780.00	49.53	5.63	55.16	74.00	-18.84	209	197	Peak
5350.00	42.88	9.20	52.08	74.00	-21.92	290	100	Peak
5505.00	44.39	9.55	53.94	74.00	-20.06	169	100	Peak
7560.00	40.71	12.45	53.16	54.00	-0.84	101	194	Average
7560.00	44.52	12.45	56.97	74.00	-17.03	101	194	Peak
10368.00	36.87	16.23	53.10	54.00	-0.90	104	201	Average
10368.00	48.37	16.23	64.60	74.00	-9.40	104	201	Peak
10800.00	32.32	17.17	49.49	54.00	-4.51	86	187	Average
10800.00	38.58	17.17	55.75	74.00	-18.25	86	187	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3780.00	44.63	5.63	50.26	54.00	-3.74	113	142	Average
3780.00	49.58	5.63	55.21	74.00	-18.79	113	142	Peak
4645.00	45.82	7.94	53.76	74.00	-20.24	164	100	Peak
5350.00	42.43	9.20	51.63	74.00	-22.37	309	100	Peak
5420.00	34.52	9.36	43.88	54.00	-10.12	182	100	Average
5420.00	45.26	9.36	54.62	74.00	-19.38	182	100	Peak
7020.00	41.25	12.35	53.60	74.00	-20.40	51	200	Peak
7560.00	40.72	12.45	53.17	54.00	-0.83	37	187	Average
7560.00	43.81	12.45	56.26	74.00	-17.74	37	187	Peak
10368.00	34.48	16.23	50.71	54.00	-3.29	125	184	Average
10368.00	47.77	16.23	64.00	74.00	-10.00	125	184	Peak
10800.00	36.52	17.17	53.69	74.00	-20.31	89	100	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
Margin = Result – Limit  
Remark Peak = Result(PK) – Limit(PK)  
Remark AVG = Result(AV) – Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Davis Tseng
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/03/30
<b>Test Mode</b>	UNII Band 1 / IEEE 802.11a Mode TX / CH Middle / Non-beamforming	<b>Temp. &amp; Humidity</b>	24°C, 52%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	47.58	4.37	51.95	54.00	-2.05	206	196	Average
3240.00	52.83	4.37	57.20	74.00	-16.80	206	196	Peak
3780.00	46.44	5.63	52.07	54.00	-1.93	179	100	Average
3780.00	50.98	5.63	56.61	74.00	-17.39	179	100	Peak
4700.00	45.52	8.02	53.54	74.00	-20.46	336	100	Peak
5350.00	43.76	9.20	52.96	74.00	-21.04	346	200	Peak
5640.00	33.62	9.86	43.48	54.00	-10.52	111	142	Average
5640.00	44.32	9.86	54.18	74.00	-19.82	111	142	Peak
6936.00	41.61	12.25	53.86	74.00	-20.14	83	200	Peak
7560.00	40.41	12.45	52.86	54.00	-1.14	97	190	Average
7560.00	43.27	12.45	55.72	74.00	-18.28	97	190	Peak
10404.00	37.22	16.33	53.55	54.00	-0.45	88	194	Average
10404.00	46.97	16.33	63.30	74.00	-10.70	88	200	Peak
10800.00	32.69	17.17	49.86	54.00	-4.14	101	187	Average
10800.00	38.22	17.17	55.39	74.00	-18.61	101	187	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	48.87	4.37	53.24	74.00	-20.76	34	200	Peak
3780.00	48.02	5.63	53.65	74.00	-20.35	109	200	Peak
4690.00	45.77	8.00	53.77	74.00	-20.23	75	200	Peak
5150.00	33.74	8.76	42.50	54.00	-11.50	240	168	Average
5150.00	45.70	8.76	54.46	74.00	-19.54	240	168	Peak
5350.00	43.43	9.20	52.63	74.00	-21.37	114	200	Peak
6936.00	39.13	12.25	51.38	74.00	-22.62	11	100	Peak
7020.00	38.94	12.35	51.29	54.00	-2.71	49	194	Average
7020.00	43.47	12.35	55.82	74.00	-18.18	49	194	Peak
7560.00	41.44	12.45	53.89	74.00	-20.11	45	200	Peak
10404.00	37.41	16.33	53.74	54.00	-0.26	85	187	Average
10404.00	48.92	16.33	65.25	74.00	-8.75	85	187	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
 Margin = Result – Limit  
 Remark Peak = Result(PK) – Limit(PK)  
 Remark AVG = Result(AV) – Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Davis Tseng
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/03/30
<b>Test Mode</b>	UNII Band 1 / IEEE 802.11a Mode TX / CH High / Non-beamforming	<b>Temp. &amp; Humidity</b>	24°C, 52%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	49.22	4.37	53.59	74.00	-20.41	215	200	Peak
3780.00	46.12	5.63	51.75	54.00	-2.25	204	197	Average
3780.00	49.97	5.63	55.60	74.00	-18.40	204	197	Peak
4725.00	44.25	8.05	52.30	54.00	-1.70	174	100	Average
4725.00	47.46	8.05	55.51	74.00	-18.49	174	100	Peak
5150.00	43.69	8.76	52.45	74.00	-21.55	179	200	Peak
5350.00	44.03	9.20	53.23	74.00	-20.77	206	200	Peak
7020.00	38.41	12.35	50.76	74.00	-23.24	42	200	Peak
7560.00	40.77	12.45	53.22	74.00	-20.78	78	200	Peak
10488.00	37.20	16.56	53.76	54.00	-0.24	105	197	Average
10488.00	48.63	16.56	65.19	74.00	-8.81	105	197	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	49.56	4.37	53.93	74.00	-20.07	79	200	Peak
3780.00	46.24	5.63	51.87	54.00	-2.13	104	174	Average
3780.00	49.22	5.63	54.85	74.00	-19.15	104	174	Peak
5150.00	43.54	8.76	52.30	74.00	-21.70	0	200	Peak
5350.00	44.05	9.20	53.25	74.00	-20.75	90	200	Peak
7020.00	41.04	12.35	53.39	74.00	-20.61	53	200	Peak
7560.00	41.30	12.45	53.75	74.00	-20.25	71	200	Peak
10488.00	36.59	16.56	53.15	54.00	-0.85	123	183	Average
10488.00	48.16	16.56	64.72	74.00	-9.28	123	183	Peak
10800.00	36.18	17.17	53.35	74.00	-20.65	32	100	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
 Margin = Result – Limit  
 Remark Peak = Result(PK) – Limit(PK)  
 Remark AVG = Result(AV) – Limit(AV)



<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Davis Tseng
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/03/30
<b>Test Mode</b>	UNII Band 1 / IEEE 802.11ac VHT20 Mode TX / CH Low / Non-beamforming	<b>Temp. &amp; Humidity</b>	24°C, 52%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	46.57	4.37	50.94	54.00	-3.06	216	100	Average
3240.00	49.76	4.37	54.13	74.00	-19.87	216	100	Peak
3780.00	48.20	5.63	53.83	74.00	-20.17	194	200	Peak
5350.00	43.85	9.20	53.05	74.00	-20.95	77	100	Peak
5400.00	43.96	9.32	53.28	54.00	-0.72	91	100	Average
5400.00	47.63	9.32	56.95	74.00	-17.05	91	100	Peak
6912.00	37.91	12.21	50.12	74.00	-23.88	105	200	Peak
7560.00	40.63	12.45	53.08	54.00	-0.92	78	194	Average
7560.00	43.62	12.45	56.07	74.00	-17.93	78	194	Peak
10368.00	36.74	16.23	52.97	54.00	-1.03	78	186	Average
10368.00	49.81	16.23	66.04	74.00	-7.96	78	186	Peak
10800.00	32.75	17.17	49.92	54.00	-4.08	100	186	Average
10800.00	38.69	17.17	55.86	74.00	-18.14	100	186	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	48.02	4.37	52.39	74.00	-21.61	60	200	Peak
3780.00	48.35	5.63	53.98	74.00	-20.02	89	200	Peak
5350.00	43.35	9.20	52.55	74.00	-21.45	341	200	Peak
5520.00	35.42	9.59	45.01	54.00	-8.99	300	200	Average
5520.00	46.37	9.59	55.96	74.00	-18.04	300	200	Peak
7020.00	40.93	12.35	53.28	74.00	-20.72	65	100	Peak
7560.00	41.06	12.45	53.51	74.00	-20.49	67	200	Peak
10368.00	35.72	16.23	51.95	54.00	-2.05	114	184	Average
10368.00	48.85	16.23	65.08	74.00	-8.92	114	184	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
Margin = Result - Limit  
Remark Peak = Result(PK) - Limit(PK)  
Remark AVG = Result(AV) - Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Rex Chiu
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/03/29
<b>Test Mode</b>	UNII Band 1 / IEEE 802.11ac VHT20 Mode TX / CH Middle / Non-beamforming	<b>Temp. &amp; Humidity</b>	21°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	48.20	4.37	52.57	54.00	-1.43	174	100	Average
3240.00	50.24	4.37	54.61	74.00	-19.39	174	100	Peak
5150.00	39.60	8.76	48.36	54.00	-5.64	323	100	Average
5150.00	45.72	8.76	54.48	74.00	-19.52	323	100	Peak
5400.00	44.19	9.32	53.51	54.00	-0.49	60	200	Average
5400.00	45.95	9.32	55.27	74.00	-18.73	60	200	Peak
6960.00	38.80	12.29	51.09	74.00	-22.91	10	100	Peak
7560.00	37.26	12.45	49.71	54.00	-4.29	77	193	Average
7560.00	43.58	12.45	56.03	74.00	-17.97	77	193	Peak
10440.00	37.21	16.43	53.64	54.00	-0.36	79	173	Average
10440.00	49.62	16.43	66.05	74.00	-7.95	79	173	Peak
10800.00	33.26	17.17	50.43	54.00	-3.57	102	184	Average
10800.00	39.23	17.17	56.40	74.00	-17.60	102	184	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	48.30	4.37	52.67	54.00	-1.33	81	100	Average
3240.00	50.34	4.37	54.71	74.00	-19.29	81	100	Peak
5150.00	40.10	8.76	48.86	54.00	-5.14	19	100	Average
5150.00	46.13	8.76	54.89	74.00	-19.11	19	100	Peak
5400.00	44.00	9.32	53.32	54.00	-0.68	241	200	Average
5400.00	44.84	9.32	54.16	74.00	-19.84	241	200	Peak
7020.00	40.94	12.35	53.29	74.00	-20.71	40	200	Peak
7560.00	41.35	12.45	53.80	74.00	-20.20	53	200	Peak
10452.00	36.66	16.46	53.12	54.00	-0.88	126	184	Average
10452.00	48.68	16.46	65.14	74.00	-8.86	126	184	Peak
10800.00	32.72	17.17	49.89	54.00	-4.11	88	186	Average
10800.00	38.63	17.17	55.80	74.00	-18.20	88	186	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
 Margin = Result – Limit  
 Remark Peak = Result(PK) – Limit(PK)  
 Remark AVG = Result(AV) – Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Rex Chiu
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/03/29
<b>Test Mode</b>	UNII Band 1 / IEEE 802.11ac VHT20 Mode TX / CH High / Non-beamforming	<b>Temp. &amp; Humidity</b>	21°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	49.10	4.37	53.47	54.00	-0.53	215	100	Average
3240.00	51.19	4.37	55.56	74.00	-18.44	215	100	Peak
4695.00	40.50	8.01	48.51	54.00	-5.49	111	200	Average
4695.00	46.78	8.01	54.79	74.00	-19.21	111	200	Peak
5400.00	44.15	9.32	53.47	54.00	-0.53	64	200	Average
5400.00	45.40	9.32	54.72	74.00	-19.28	64	200	Peak
7020.00	38.19	12.35	50.54	74.00	-23.46	121	100	Peak
7560.00	40.36	12.45	52.81	54.00	-1.19	79	200	Average
7560.00	41.19	12.45	53.64	74.00	-20.36	79	200	Peak
10488.00	36.47	16.56	53.03	54.00	-0.97	116	200	Average
10488.00	52.60	16.56	69.16	74.00	-4.84	116	200	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	46.90	4.37	51.27	54.00	-2.73	102	200	Average
3240.00	48.64	4.37	53.01	74.00	-20.99	102	200	Peak
4555.00	40.30	7.82	48.12	54.00	-5.88	326	100	Average
4555.00	46.46	7.82	54.28	74.00	-19.72	326	100	Peak
5390.00	43.80	9.29	53.09	54.00	-0.91	168	200	Average
5390.00	45.01	9.29	54.30	74.00	-19.70	168	200	Peak
7020.00	38.00	12.35	50.35	54.00	-3.65	22	200	Average
7020.00	40.99	12.35	53.34	74.00	-20.66	22	200	Peak
7560.00	40.96	12.45	53.41	54.00	-0.59	49	200	Average
7560.00	42.35	12.45	54.80	74.00	-19.20	49	200	Peak
10488.00	36.87	16.56	53.43	54.00	-0.57	82	100	Average
10488.00	45.31	16.56	61.87	74.00	-12.13	82	100	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
 Margin = Result - Limit  
 Remark Peak = Result(PK) - Limit(PK)  
 Remark AVG = Result(AV) - Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Davis Tseng
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/03/30
<b>Test Mode</b>	UNII Band 1 / IEEE 802.11ac VHT40 Mode TX / CH Low / Non-beamforming	<b>Temp. &amp; Humidity</b>	24°C, 52%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	49.16	4.37	53.53	74.00	-20.47	186	100	Peak
3780.00	45.49	5.63	51.12	54.00	-2.88	183	100	Average
3780.00	49.84	5.63	55.47	74.00	-18.53	183	100	Peak
5350.00	43.83	9.20	53.03	74.00	-20.97	0	100	Peak
5400.00	43.52	9.32	52.84	54.00	-1.16	61	189	Average
5400.00	46.52	9.32	55.84	74.00	-18.16	61	189	Peak
6924.00	38.84	12.23	51.07	74.00	-22.93	78	200	Peak
7560.00	40.56	12.45	53.01	54.00	-0.99	74	189	Average
7560.00	43.89	12.45	56.34	74.00	-17.66	74	189	Peak
10380.00	27.93	16.26	44.19	54.00	-9.81	114	195	Average
10380.00	37.76	16.26	54.02	74.00	-19.98	114	195	Peak
10800.00	32.98	17.17	50.15	54.00	-3.85	105	140	Average
10800.00	38.15	17.17	55.32	74.00	-18.68	105	140	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	48.55	4.37	52.92	74.00	-21.08	66	200	Peak
3780.00	48.11	5.63	53.74	74.00	-20.26	61	200	Peak
5350.00	43.81	9.20	53.01	74.00	-20.99	263	100	Peak
5565.00	35.22	9.69	44.91	54.00	-9.09	334	100	Average
5565.00	44.82	9.69	54.51	74.00	-19.49	334	100	Peak
6420.00	36.86	11.40	48.26	74.00	-25.74	75	100	Peak
7020.00	40.26	12.35	52.61	74.00	-21.39	47	200	Peak
7560.00	40.58	12.45	53.03	54.00	-0.97	56	196	Average
7560.00	43.62	12.45	56.07	74.00	-17.93	56	196	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
Margin = Result – Limit  
Remark Peak = Result(PK) – Limit(PK)  
Remark AVG = Result(AV) – Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Rex Chiu
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/03/29
<b>Test Mode</b>	UNII Band 1 / IEEE 802.11ac VHT40 Mode TX / CH High / Non-beamforming	<b>Temp. &amp; Humidity</b>	21°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	48.93	4.37	53.30	54.00	-0.70	187	100	Average
3240.00	50.91	4.37	55.28	74.00	-18.72	187	100	Peak
5150.00	40.30	8.76	49.06	54.00	-4.94	360	200	Average
5150.00	49.64	8.76	58.40	74.00	-15.60	360	200	Peak
5400.00	44.19	9.32	53.51	54.00	-0.49	64	200	Average
5400.00	47.19	9.32	56.51	74.00	-17.49	64	200	Peak
6984.00	37.26	12.32	49.58	74.00	-24.42	8	100	Peak
7560.00	40.32	12.45	52.77	54.00	-1.23	101	200	Average
7560.00	40.81	12.45	53.26	74.00	-20.74	101	200	Peak
10476.00	36.89	16.52	53.41	54.00	-0.59	85	200	Average
10476.00	44.33	16.52	60.85	74.00	-13.15	85	200	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3780.00	47.15	5.63	52.78	74.00	-21.22	101	100	Peak
5150.00	41.00	8.76	49.76	54.00	-4.24	187	200	Average
5150.00	52.32	8.76	61.08	74.00	-12.92	187	200	Peak
5390.00	43.20	9.29	52.49	54.00	-1.51	230	200	Average
5390.00	46.07	9.29	55.36	74.00	-18.64	230	200	Peak
7020.00	37.92	12.35	50.27	54.00	-3.73	148	200	Average
7020.00	40.91	12.35	53.26	74.00	-20.74	148	200	Peak
7560.00	40.99	12.45	53.44	54.00	-0.56	53	200	Average
7560.00	41.80	12.45	54.25	74.00	-19.75	53	200	Peak
10488.00	34.73	16.56	51.29	54.00	-2.71	120	200	Average
10488.00	44.24	16.56	60.80	74.00	-13.20	120	200	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
 Margin = Result – Limit  
 Remark Peak = Result(PK) – Limit(PK)  
 Remark AVG = Result(AV) – Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Davis Tseng
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/03/30
<b>Test Mode</b>	UNII Band 1 / IEEE 802.11ac VHT80 Mode TX / CH Low / Non-beamforming	<b>Temp. &amp; Humidity</b>	24°C, 52%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	47.92	4.37	52.29	54.00	-1.71	221	187	Average
3240.00	51.38	4.37	55.75	74.00	-18.25	221	187	Peak
3780.00	45.63	5.63	51.26	54.00	-2.74	192	100	Average
3780.00	49.77	5.63	55.40	74.00	-18.60	192	100	Peak
5350.00	42.73	9.20	51.93	74.00	-22.07	0	200	Peak
5400.00	43.92	9.32	53.24	54.00	-0.76	62	191	Average
5400.00	47.17	9.32	56.49	74.00	-17.51	62	191	Peak
6708.00	37.49	11.88	49.37	74.00	-24.63	269	100	Peak
7020.00	38.12	12.35	50.47	74.00	-23.53	83	200	Peak
7560.00	40.67	12.45	53.12	54.00	-0.88	89	215	Average
7560.00	43.96	12.45	56.41	74.00	-17.59	89	215	Peak
10800.00	33.38	17.17	50.55	54.00	-3.45	110	140	Average
10800.00	38.22	17.17	55.39	74.00	-18.61	110	140	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3780.00	44.37	5.63	50.00	54.00	-4.00	99	187	Average
3780.00	49.35	5.63	54.98	74.00	-19.02	99	187	Peak
4695.00	38.24	8.01	46.25	54.00	-7.75	267	100	Average
4695.00	46.69	8.01	54.70	74.00	-19.30	267	100	Peak
5350.00	43.98	9.20	53.18	74.00	-20.82	24	200	Peak
5400.00	35.22	9.32	44.54	54.00	-9.46	115	104	Average
5400.00	47.38	9.32	56.70	74.00	-17.30	115	104	Peak
6948.00	39.64	12.27	51.91	74.00	-22.09	22	100	Peak
7020.00	39.52	12.35	51.87	54.00	-2.13	34	184	Average
7020.00	42.99	12.35	55.34	74.00	-18.66	34	184	Peak
7560.00	40.52	12.45	52.97	54.00	-1.03	59	196	Average
7560.00	43.87	12.45	56.32	74.00	-17.68	59	196	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
 Margin = Result - Limit  
 Remark Peak = Result(PK) - Limit(PK)  
 Remark AVG = Result(AV) - Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Rex Chiu
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/01
<b>Test Mode</b>	UNII Band 3 / IEEE 802.11a Mode TX / CH Low / Non-beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5400.00	44.30	9.32	53.62	54.00	-0.38	99	200	Average
5400.00	46.95	9.32	56.27	74.00	-17.73	99	200	Peak
5715.00	46.74	10.03	56.77	68.20	-11.43	30	200	Peak
5725.00	61.61	10.05	71.66	78.20	-6.54	360	200	Peak
7560.00	40.38	12.45	52.83	54.00	-1.17	99	200	Average
7560.00	41.41	12.45	53.86	74.00	-20.14	99	200	Peak
10800.00	35.48	17.17	52.65	54.00	-1.35	108	200	Average
10800.00	39.46	17.17	56.63	74.00	-17.37	108	200	Peak
11484.00	30.56	18.34	48.90	54.00	-5.10	20	200	Average
11484.00	36.50	18.34	54.84	74.00	-19.16	20	200	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5495.00	45.67	9.53	55.20	74.00	-18.80	164	200	Peak
5715.00	50.00	10.03	60.03	68.20	-8.17	183	200	Peak
5725.00	66.78	10.05	76.83	78.20	-1.37	15	200	Peak
7020.00	38.45	12.35	50.80	54.00	-3.20	58	200	Average
7020.00	41.36	12.35	53.71	74.00	-20.29	58	200	Peak
7560.00	40.98	12.45	53.43	54.00	-0.57	45	200	Average
7560.00	41.79	12.45	54.24	74.00	-19.76	45	200	Peak
11496.00	32.30	18.36	50.66	54.00	-3.34	74	100	Average
11496.00	38.02	18.36	56.38	74.00	-17.62	74	100	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
 Margin = Result – Limit  
 Remark Peak = Result(PK) – Limit(PK)  
 Remark AVG = Result(AV) – Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Rex Chiu
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/01
<b>Test Mode</b>	UNII Band 3 / IEEE 802.11a Mode TX / CH Middle / Non-beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5400.00	44.15	9.32	53.47	54.00	-0.53	64	200	Average
5400.00	46.15	9.32	55.47	74.00	-18.53	64	200	Peak
5725.00	42.90	10.05	52.95	78.20	-25.25	22	100	Peak
5850.00	41.80	10.33	52.13	78.20	-26.07	159	200	Peak
7560.00	40.37	12.45	52.82	54.00	-1.18	99	200	Average
7560.00	41.87	12.45	54.32	74.00	-19.68	99	200	Peak
10800.00	34.82	17.17	51.99	54.00	-2.01	99	200	Average
10800.00	38.90	17.17	56.07	74.00	-17.93	99	200	Peak
11568.00	34.20	18.53	52.73	54.00	-1.27	14	200	Average
11568.00	43.44	18.53	61.97	74.00	-12.03	14	200	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5400.00	43.53	9.32	52.85	54.00	-1.15	35	200	Average
5400.00	46.07	9.32	55.39	74.00	-18.61	35	200	Peak
5725.00	43.49	10.05	53.54	78.20	-24.66	278	100	Peak
5850.00	42.74	10.33	53.07	78.20	-25.13	253	100	Peak
7020.00	38.20	12.35	50.55	54.00	-3.45	59	100	Average
7020.00	41.12	12.35	53.47	74.00	-20.53	59	100	Peak
7560.00	40.97	12.45	53.42	54.00	-0.58	85	200	Average
7560.00	41.67	12.45	54.12	74.00	-19.88	85	200	Peak
11580.00	32.80	18.55	51.35	54.00	-2.65	103	200	Average
11580.00	41.87	18.55	60.42	74.00	-13.58	103	200	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
 Margin = Result - Limit  
 Remark Peak = Result(PK) - Limit(PK)  
 Remark AVG = Result(AV) - Limit(AV)



<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Rex Chiu
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/01
<b>Test Mode</b>	UNII Band 3 / IEEE 802.11a Mode TX / CH High / Non-beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5400.00	44.20	9.32	53.52	54.00	-0.48	95	200	Average
5400.00	45.91	9.32	55.23	74.00	-18.77	95	200	Peak
5850.00	63.00	10.33	73.33	78.20	-4.87	298	200	Peak
5860.00	52.92	10.35	63.27	68.20	-4.93	87	200	Peak
7560.00	40.31	12.45	52.76	54.00	-1.24	98	200	Average
7560.00	41.42	12.45	53.87	74.00	-20.13	98	200	Peak
10800.00	34.80	17.17	51.97	54.00	-2.03	98	200	Average
10800.00	36.89	17.17	54.06	74.00	-19.94	98	200	Peak
11652.00	34.60	18.72	53.32	54.00	-0.68	94	200	Average
11652.00	41.01	18.72	59.73	74.00	-14.27	94	200	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5400.00	43.90	9.32	53.22	54.00	-0.78	113	200	Average
5400.00	45.40	9.32	54.72	74.00	-19.28	113	200	Peak
5850.00	67.23	10.33	77.56	78.20	-0.64	350	200	Peak
5860.00	54.52	10.35	64.87	68.20	-3.33	314	200	Peak
7020.00	38.90	12.35	51.25	54.00	-2.75	44	200	Average
7020.00	41.95	12.35	54.30	74.00	-19.70	44	200	Peak
7560.00	40.95	12.45	53.40	54.00	-0.60	62	200	Average
7560.00	41.56	12.45	54.01	74.00	-19.99	62	200	Peak
10800.00	33.80	17.17	50.97	54.00	-3.03	43	100	Average
10800.00	37.82	17.17	54.99	74.00	-19.01	43	100	Peak
11652.00	33.70	18.72	52.42	54.00	-1.58	71	200	Average
11652.00	40.05	18.72	58.77	74.00	-15.23	71	200	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
Margin = Result – Limit  
Remark Peak = Result(PK) – Limit(PK)  
Remark AVG = Result(AV) – Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Rex Chiu
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/01
<b>Test Mode</b>	UNII Band 3 / IEEE 802.11ac VHT20 Mode TX / CH Low / Non-beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5400.00	43.30	9.32	52.62	54.00	-1.38	67	200	Average
5400.00	47.71	9.32	57.03	74.00	-16.97	67	200	Peak
5715.00	50.88	10.03	60.91	68.20	-7.29	19	200	Peak
5725.00	62.26	10.05	72.31	78.20	-5.89	360	200	Peak
7560.00	40.37	12.45	52.82	54.00	-1.18	110	200	Average
7560.00	41.68	12.45	54.13	74.00	-19.87	110	200	Peak
10800.00	34.56	17.17	51.73	54.00	-2.27	114	200	Average
10800.00	37.86	17.17	55.03	74.00	-18.97	114	200	Peak
11496.00	28.20	18.36	46.56	54.00	-7.44	213	200	Average
11496.00	36.74	18.36	55.10	74.00	-18.90	213	200	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5400.00	42.50	9.32	51.82	54.00	-2.18	122	200	Average
5400.00	45.39	9.32	54.71	74.00	-19.29	122	200	Peak
5715.00	51.21	10.03	61.24	68.20	-6.96	147	200	Peak
5725.00	67.20	10.05	77.25	78.20	-0.95	19	200	Peak
7020.00	38.30	12.35	50.65	54.00	-3.35	61	200	Average
7020.00	41.20	12.35	53.55	74.00	-20.45	61	200	Peak
7560.00	40.95	12.45	53.40	54.00	-0.60	41	200	Average
7560.00	42.16	12.45	54.61	74.00	-19.39	41	200	Peak
10800.00	34.23	17.17	51.40	54.00	-2.60	84	200	Average
10800.00	37.11	17.17	54.28	74.00	-19.72	84	200	Peak
11484.00	28.80	18.34	47.14	54.00	-6.86	30	200	Average
11484.00	37.47	18.34	55.81	74.00	-18.19	30	200	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
Margin = Result – Limit  
Remark Peak = Result(PK) – Limit(PK)  
Remark AVG = Result(AV) – Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Rex Chiu
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/01
<b>Test Mode</b>	UNII Band 3 / IEEE 802.11ac VHT20 Mode TX / CH Middle / Non-beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5400.00	44.15	9.32	53.47	54.00	-0.53	58	200	Average
5400.00	45.24	9.32	54.56	74.00	-19.44	58	200	Peak
5725.00	42.98	10.05	53.03	78.20	-25.17	96	200	Peak
5850.00	43.04	10.33	53.37	78.20	-24.83	358	200	Peak
7560.00	40.36	12.45	52.81	54.00	-1.19	102	200	Average
7560.00	41.56	12.45	54.01	74.00	-19.99	102	200	Peak
10800.00	34.61	17.17	51.78	54.00	-2.22	70	200	Average
10800.00	37.71	17.17	54.88	74.00	-19.12	70	200	Peak
11580.00	32.60	18.55	51.15	54.00	-2.85	14	200	Average
11580.00	42.00	18.55	60.55	74.00	-13.45	14	200	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5400.00	43.72	9.32	53.04	54.00	-0.96	53	200	Average
5400.00	45.40	9.32	54.72	74.00	-19.28	53	200	Peak
5725.00	43.68	10.05	53.73	78.20	-24.47	98	200	Peak
5850.00	43.73	10.33	54.06	78.20	-24.14	44	200	Peak
7020.00	38.00	12.35	50.35	54.00	-3.65	76	100	Average
7020.00	41.00	12.35	53.35	74.00	-20.65	76	100	Peak
7560.00	40.98	12.45	53.43	54.00	-0.57	49	200	Average
7560.00	41.38	12.45	53.83	74.00	-20.17	49	200	Peak
10800.00	33.78	17.17	50.95	54.00	-3.05	49	100	Average
10800.00	37.63	17.17	54.80	74.00	-19.20	49	100	Peak
11568.00	34.40	18.53	52.93	54.00	-1.07	71	200	Average
11568.00	44.04	18.53	62.57	74.00	-11.43	71	200	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
Margin = Result - Limit  
Remark Peak = Result(PK) - Limit(PK)  
Remark AVG = Result(AV) - Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Rex Chiu
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/01
<b>Test Mode</b>	UNII Band 3 / IEEE 802.11ac VHT20 Mode TX / CH High / Non-beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5400.00	44.11	9.32	53.43	54.00	-0.57	80	200	Average
5400.00	45.71	9.32	55.03	74.00	-18.97	80	200	Peak
5850.00	62.69	10.33	73.02	78.20	-5.18	359	200	Peak
5860.00	47.03	10.35	57.38	68.20	-10.82	290	200	Peak
7560.00	40.39	12.45	52.84	54.00	-1.16	100	200	Average
7560.00	41.59	12.45	54.04	74.00	-19.96	100	200	Peak
10800.00	34.57	17.17	51.74	54.00	-2.26	105	200	Average
10800.00	37.97	17.17	55.14	74.00	-18.86	105	200	Peak
11664.00	32.30	18.74	51.04	54.00	-2.96	103	100	Average
11664.00	41.13	18.74	59.87	74.00	-14.13	103	100	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5400.00	43.62	9.32	52.94	54.00	-1.06	133	200	Average
5400.00	45.38	9.32	54.70	74.00	-19.30	133	200	Peak
5850.00	66.20	10.33	76.53	78.20	-1.67	182	100	Peak
5860.00	50.28	10.35	60.63	68.20	-7.57	160	200	Peak
7020.00	38.30	12.35	50.65	54.00	-3.35	55	200	Average
7020.00	41.23	12.35	53.58	74.00	-20.42	55	200	Peak
7560.00	41.13	12.45	53.58	54.00	-0.42	51	200	Average
7560.00	41.29	12.45	53.74	74.00	-20.26	51	200	Peak
10800.00	33.67	17.17	50.84	54.00	-3.16	60	100	Average
10800.00	36.97	17.17	54.14	74.00	-19.86	60	100	Peak
11640.00	31.72	18.69	50.41	54.00	-3.59	298	100	Average
11640.00	40.67	18.69	59.36	74.00	-14.64	298	100	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
 Margin = Result - Limit  
 Remark Peak = Result(PK) - Limit(PK)  
 Remark AVG = Result(AV) - Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Rex Chiu
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/03/31
<b>Test Mode</b>	UNII Band 3 / IEEE 802.11ac VHT40 Mode TX / CH Low / Non-beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3780.00	45.20	5.63	50.83	54.00	-3.17	190	100	Average
3780.00	49.59	5.63	55.22	74.00	-18.78	190	100	Peak
5715.00	40.80	10.03	50.83	54.00	-3.17	338	100	Average
5715.00	49.72	10.03	59.75	74.00	-14.25	338	100	Peak
5725.00	57.25	10.05	67.30	78.20	-10.90	300	200	Peak
7020.00	37.80	12.35	50.15	54.00	-3.85	70	200	Average
7020.00	40.71	12.35	53.06	74.00	-20.94	70	200	Peak
7560.00	40.31	12.45	52.76	54.00	-1.24	103	200	Average
7560.00	41.22	12.45	53.67	74.00	-20.33	103	200	Peak
10800.00	34.60	17.17	51.77	54.00	-2.23	117	200	Average
10800.00	36.17	17.17	53.34	74.00	-20.66	117	200	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4710.00	37.20	8.03	45.23	54.00	-8.77	163	200	Average
4710.00	46.16	8.03	54.19	74.00	-19.81	163	200	Peak
5715.00	42.19	10.03	52.22	54.00	-1.78	185	200	Average
5715.00	58.30	10.03	68.33	74.00	-5.67	185	200	Peak
5725.00	57.92	10.05	67.97	78.20	-10.23	203	200	Peak
7020.00	38.30	12.35	50.65	54.00	-3.35	38	200	Average
7020.00	41.30	12.35	53.65	74.00	-20.35	38	200	Peak
7560.00	40.93	12.45	53.38	54.00	-0.62	47	200	Average
7560.00	41.67	12.45	54.12	74.00	-19.88	47	200	Peak
10800.00	34.20	17.17	51.37	54.00	-2.63	48	100	Average
10800.00	35.96	17.17	53.13	74.00	-20.87	48	100	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
Margin = Result - Limit  
Remark Peak = Result(PK) - Limit(PK)  
Remark AVG = Result(AV) - Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Rex Chiu
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/03/31
<b>Test Mode</b>	UNII Band 3 / IEEE 802.11ac VHT40 Mode TX / CH High / Non-beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	48.70	4.37	53.07	54.00	-0.93	216	100	Average
3240.00	51.70	4.37	56.07	74.00	-17.93	216	100	Peak
5715.00	52.14	10.03	62.17	68.20	-6.03	354	100	Peak
5725.00	52.63	10.05	62.68	78.20	-15.52	270	100	Peak
5850.00	54.80	10.33	65.13	78.20	-13.07	282	200	Peak
5860.00	48.45	10.35	58.80	68.20	-9.40	352	200	Peak
7560.00	41.14	12.45	53.59	74.00	-20.41	84	200	Peak
10800.00	37.25	17.17	54.42	74.00	-19.58	109	200	Peak
11580.00	34.30	18.55	52.85	54.00	-1.15	23	200	Average
11580.00	41.73	18.55	60.28	74.00	-13.72	23	200	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3780.00	46.20	5.63	51.83	54.00	-2.17	108	200	Average
3780.00	49.02	5.63	54.65	74.00	-19.35	108	200	Peak
5715.00	54.05	10.03	64.08	68.20	-4.12	218	200	Peak
5725.00	56.88	10.05	66.93	78.20	-11.27	54	200	Peak
5850.00	57.93	10.33	68.26	78.20	-9.94	161	200	Peak
5860.00	50.99	10.35	61.34	68.20	-6.86	40	200	Peak
7020.00	40.70	12.35	53.05	74.00	-20.95	62	100	Peak
7560.00	41.68	12.45	54.13	74.00	-19.87	41	200	Peak
11592.00	32.60	18.58	51.18	54.00	-2.82	44	100	Average
11592.00	39.97	18.58	58.55	74.00	-15.45	44	100	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
Margin = Result - Limit  
Remark Peak = Result(PK) - Limit(PK)  
Remark AVG = Result(AV) - Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Rex Chiu
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/03/31
<b>Test Mode</b>	UNII Band 3 / IEEE 802.11ac VHT80 Mode TX / CH Low / Non-beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5705.00	49.68	10.00	59.68	68.20	-8.52	304	200	Peak
5720.00	53.59	10.04	63.63	78.20	-14.57	346	100	Peak
5850.00	47.46	10.33	57.79	78.20	-20.41	130	200	Peak
5860.00	47.48	10.35	57.83	68.20	-10.37	353	200	Peak
7560.00	40.37	12.45	52.82	54.00	-1.18	112	200	Average
7560.00	41.47	12.45	53.92	74.00	-20.08	112	200	Peak
9360.00	37.34	14.28	51.62	74.00	-22.38	72	100	Peak
10800.00	33.71	17.17	50.88	54.00	-3.12	126	200	Average
10800.00	36.76	17.17	53.93	74.00	-20.07	126	200	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5703.00	57.09	10.00	67.09	68.20	-1.11	49	200	Peak
5725.00	59.86	10.05	69.91	78.20	-8.29	359	200	Peak
5850.00	51.96	10.33	62.29	78.20	-15.91	276	200	Peak
5860.00	49.42	10.35	59.77	68.20	-8.43	195	100	Peak
7020.00	37.60	12.35	49.95	54.00	-4.05	71	100	Average
7020.00	40.40	12.35	52.75	74.00	-21.25	71	100	Peak
7560.00	40.85	12.45	53.30	54.00	-0.70	38	200	Average
7560.00	41.71	12.45	54.16	74.00	-19.84	38	200	Peak
10800.00	34.56	17.17	51.73	54.00	-2.27	44	100	Average
10800.00	36.85	17.17	54.02	74.00	-19.98	44	100	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
 Margin = Result - Limit  
 Remark Peak = Result(PK) - Limit(PK)  
 Remark AVG = Result(AV) - Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Davis Tseng
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/02
<b>Test Mode</b>	UNII Band 1 / IEEE 802.11ac VHT20 Mode TX / CH Low / Beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	47.22	4.37	51.59	54.00	-2.41	214	100	Average
3240.00	50.92	4.37	55.29	74.00	-18.71	214	100	Peak
3780.00	46.53	5.63	52.16	54.00	-1.84	190	100	Average
3780.00	50.41	5.63	56.04	74.00	-17.96	190	100	Peak
5350.00	44.26	9.20	53.46	74.00	-20.54	224	200	Peak
5490.00	35.54	9.52	45.06	54.00	-8.94	219	197	Average
5490.00	45.63	9.52	55.15	74.00	-18.85	219	197	Peak
6912.00	39.19	12.21	51.40	74.00	-22.60	96	200	Peak
7560.00	41.27	12.45	53.72	54.00	-0.28	87	187	Average
7560.00	43.63	12.45	56.08	74.00	-17.92	87	187	Peak
10800.00	36.31	17.17	53.48	54.00	-0.52	78	187	Average
10800.00	40.18	17.17	57.35	74.00	-16.65	78	187	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3235.00	48.74	4.37	53.11	74.00	-20.89	117	200	Peak
3780.00	48.10	5.63	53.73	74.00	-20.27	97	200	Peak
5350.00	43.88	9.20	53.08	74.00	-20.92	123	100	Peak
5400.00	42.33	9.32	51.65	54.00	-2.35	116	100	Average
5400.00	46.28	9.32	55.60	74.00	-18.40	116	100	Peak
7020.00	39.22	12.35	51.57	54.00	-2.43	18	202	Average
7020.00	43.41	12.35	55.76	74.00	-18.24	18	202	Peak
7560.00	41.37	12.45	53.82	54.00	-0.18	68	205	Average
7560.00	44.31	12.45	56.76	74.00	-17.24	68	205	Peak
10800.00	36.04	17.17	53.21	54.00	-0.79	23	100	Average
10800.00	40.63	17.17	57.80	74.00	-16.20	23	100	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
 Margin = Result – Limit  
 Remark Peak = Result(PK) – Limit(PK)  
 Remark AVG = Result(AV) – Limit(AV)



<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Davis Tseng
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/01
<b>Test Mode</b>	UNII Band 1 / IEEE 802.11ac VHT20 Mode TX / CH Middle / Beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	49.35	4.37	53.72	74.00	-20.28	128	100	Peak
5150.00	41.16	8.76	49.92	54.00	-4.08	298	160	Average
5150.00	54.70	8.76	63.46	74.00	-10.54	298	160	Peak
5350.00	43.34	9.20	52.54	74.00	-21.46	65	200	Peak
5400.00	43.25	9.32	52.57	54.00	-1.43	88	197	Average
5400.00	46.72	9.32	56.04	74.00	-17.96	88	197	Peak
6936.00	39.67	12.25	51.92	74.00	-22.08	29	100	Peak
7560.00	41.24	12.45	53.69	54.00	-0.31	89	201	Average
7560.00	43.92	12.45	56.37	74.00	-17.63	89	201	Peak
10404.00	34.33	16.33	50.66	54.00	-3.34	117	151	Average
10404.00	45.86	16.33	62.19	74.00	-11.81	117	151	Peak
10800.00	36.27	17.17	53.44	54.00	-0.56	98	188	Average
10800.00	40.19	17.17	57.36	74.00	-16.64	98	188	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	48.62	4.37	52.99	74.00	-21.01	56	200	Peak
5150.00	41.47	8.76	50.23	54.00	-3.77	31	144	Average
5150.00	55.30	8.76	64.06	74.00	-9.94	31	144	Peak
5350.00	43.17	9.20	52.37	74.00	-21.63	80	200	Peak
5400.00	44.55	9.32	53.87	74.00	-20.13	85	200	Peak
7020.00	39.22	12.35	51.57	54.00	-2.43	82	204	Average
7020.00	43.39	12.35	55.74	74.00	-18.26	82	204	Peak
7560.00	41.53	12.45	53.98	74.00	-20.02	63	200	Peak
10392.00	29.66	16.30	45.96	54.00	-8.04	134	143	Average
10392.00	41.39	16.30	57.69	74.00	-16.31	134	143	Peak
10800.00	36.14	17.17	53.31	54.00	-0.69	87	100	Average
10800.00	40.33	17.17	57.50	74.00	-16.50	87	100	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
 Margin = Result - Limit  
 Remark Peak = Result(PK) - Limit(PK)  
 Remark AVG = Result(AV) - Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Davis Tseng
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/01
<b>Test Mode</b>	UNII Band 1 / IEEE 802.11ac VHT20 Mode TX / CH High / Beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	49.04	4.37	53.41	74.00	-20.59	222	100	Peak
3780.00	46.33	5.63	51.96	54.00	-2.04	201	199	Average
3780.00	49.95	5.63	55.58	74.00	-18.42	201	200	Peak
4715.00	33.49	8.04	41.53	54.00	-12.47	272	100	Average
4715.00	46.99	8.04	55.03	74.00	-18.97	272	100	Peak
5150.00	43.85	8.76	52.61	74.00	-21.39	209	100	Peak
5350.00	44.08	9.20	53.28	74.00	-20.72	36	200	Peak
5400.00	41.21	9.32	50.53	54.00	-3.47	52	171	Average
5400.00	46.76	9.32	56.08	74.00	-17.92	52	171	Peak
7020.00	38.27	12.35	50.62	74.00	-23.38	128	100	Peak
7560.00	41.07	12.45	53.52	54.00	-0.48	78	202	Average
7560.00	43.66	12.45	56.11	74.00	-17.89	78	202	Peak
10476.00	31.67	16.52	48.19	54.00	-5.81	108	248	Average
10476.00	45.07	16.52	61.59	74.00	-12.41	108	248	Peak
10800.00	36.51	17.17	53.68	74.00	-20.32	74	200	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
4640.00	33.49	7.94	41.43	54.00	-12.57	112	204	Average
4640.00	48.12	7.94	56.06	74.00	-17.94	112	204	Peak
5150.00	44.45	8.76	53.21	74.00	-20.79	25	100	Peak
5350.00	43.14	9.20	52.34	74.00	-21.66	236	200	Peak
5400.00	41.72	9.32	51.04	54.00	-2.96	96	226	Average
5400.00	47.35	9.32	56.67	74.00	-17.33	96	226	Peak
7020.00	38.89	12.35	51.24	54.00	-2.76	35	199	Average
7020.00	43.33	12.35	55.68	74.00	-18.32	35	199	Peak
7560.00	41.27	12.45	53.72	54.00	-0.28	76	204	Average
7560.00	43.96	12.45	56.41	74.00	-17.59	76	204	Peak
10488.00	29.31	16.56	45.87	54.00	-8.13	122	196	Average
10488.00	40.68	16.56	57.24	74.00	-16.76	122	196	Peak
10800.00	36.33	17.17	53.50	54.00	-0.50	76	100	Average
10800.00	40.26	17.17	57.43	74.00	-16.57	76	100	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
Margin = Result – Limit  
Remark Peak = Result(PK) – Limit(PK)  
Remark AVG = Result(AV) – Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Davis Tseng
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/02
<b>Test Mode</b>	UNII Band 1 / IEEE 802.11ac VHT40 Mode TX / CH Low / Beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	47.27	4.37	51.64	54.00	-2.36	192	100	Average
3240.00	50.33	4.37	54.70	74.00	-19.30	192	100	Peak
3780.00	47.76	5.63	53.39	74.00	-20.61	198	200	Peak
5350.00	44.70	9.20	53.90	74.00	-20.10	329	100	Peak
5425.00	33.89	9.37	43.26	54.00	-10.74	140	100	Average
5425.00	45.71	9.37	55.08	74.00	-18.92	140	100	Peak
6924.00	38.97	12.23	51.20	74.00	-22.80	43	100	Peak
7560.00	41.23	12.45	53.68	74.00	-20.32	94	200	Peak
10800.00	36.58	17.17	53.75	74.00	-20.25	81	200	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	46.13	4.37	50.50	74.00	-23.50	93	100	Peak
3780.00	46.24	5.63	51.87	74.00	-22.13	101	200	Peak
5350.00	41.85	9.20	51.05	74.00	-22.95	317	200	Peak
5400.00	43.91	9.32	53.23	74.00	-20.77	212	200	Peak
6924.00	40.27	12.23	52.50	74.00	-21.50	81	200	Peak
7020.00	39.28	12.35	51.63	54.00	-2.37	31	205	Average
7020.00	43.39	12.35	55.74	74.00	-18.26	31	205	Peak
7560.00	41.41	12.45	53.86	54.00	-0.14	40	204	Average
7560.00	41.53	12.45	53.98	74.00	-20.02	40	204	Peak
10800.00	36.11	17.17	53.28	54.00	-0.72	44	100	Average
10800.00	40.39	17.17	57.56	74.00	-16.44	44	100	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
 Margin = Result – Limit  
 Remark Peak = Result(PK) – Limit(PK)  
 Remark AVG = Result(AV) – Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Rex Chiu
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/06
<b>Test Mode</b>	UNII Band 1 / IEEE 802.11ac VHT40 Mode TX / CH High / Beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3780.00	42.63	5.63	48.26	54.00	-5.74	192	200	Average
3780.00	50.56	5.63	56.19	74.00	-17.81	192	200	Peak
5150.00	40.35	8.76	49.11	54.00	-4.89	2	100	Average
5150.00	51.31	8.76	60.07	74.00	-13.93	2	100	Peak
5400.00	44.15	9.32	53.47	54.00	-0.53	65	200	Average
5400.00	47.01	9.32	56.33	74.00	-17.67	65	200	Peak
6972.00	38.36	12.30	50.66	74.00	-23.34	60	200	Peak
7560.00	40.63	12.45	53.08	54.00	-0.92	94	187	Average
7560.00	43.87	12.45	56.32	74.00	-17.68	94	187	Peak
10800.00	36.31	17.17	53.48	54.00	-0.52	83	192	Average
10800.00	40.27	17.17	57.44	74.00	-16.56	83	192	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3780.00	40.57	5.63	46.20	54.00	-7.80	90	200	Average
3780.00	48.35	5.63	53.98	74.00	-20.02	90	200	Peak
5150.00	40.40	8.76	49.16	54.00	-4.84	352	200	Average
5150.00	51.44	8.76	60.20	74.00	-13.80	352	200	Peak
5350.00	35.70	9.20	44.90	54.00	-9.10	65	100	Average
5350.00	45.54	9.20	54.74	74.00	-19.26	65	100	Peak
7020.00	39.17	12.35	51.52	54.00	-2.48	40	197	Average
7020.00	43.44	12.35	55.79	74.00	-18.21	40	197	Peak
7560.00	41.22	12.45	53.67	54.00	-0.33	63	205	Average
7560.00	44.29	12.45	56.74	74.00	-17.26	63	205	Peak
10800.00	36.39	17.17	53.56	54.00	-0.44	58	100	Average
10800.00	40.22	17.17	57.39	74.00	-16.61	58	100	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
Margin = Result – Limit  
Remark Peak = Result(PK) – Limit(PK)  
Remark AVG = Result(AV) – Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Rex Chiu
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/06
<b>Test Mode</b>	UNII Band 1 / IEEE 802.11ac VHT80 Mode TX / CH Low / Beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	47.23	4.37	51.60	54.00	-2.40	334	100	Average
3240.00	49.18	4.37	53.55	74.00	-20.45	334	100	Peak
3780.00	41.32	5.63	46.95	54.00	-7.05	164	100	Average
3780.00	49.04	5.63	54.67	74.00	-19.33	164	100	Peak
5400.00	44.16	9.32	53.48	54.00	-0.52	57	200	Average
5400.00	46.36	9.32	55.68	74.00	-18.32	57	200	Peak
7020.00	39.31	12.35	51.66	54.00	-2.34	34	205	Average
7020.00	43.41	12.35	55.76	74.00	-18.24	34	205	Peak
7560.00	41.42	12.45	53.87	54.00	-0.13	74	206	Average
7560.00	44.43	12.45	56.88	74.00	-17.12	74	206	Peak
10800.00	36.12	17.17	53.29	54.00	-0.71	71	100	Average
10800.00	40.28	17.17	57.45	74.00	-16.55	71	100	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	46.75	4.37	51.12	54.00	-2.88	99	200	Average
3240.00	48.67	4.37	53.04	74.00	-20.96	99	200	Peak
3780.00	39.67	5.63	45.30	54.00	-8.70	83	200	Average
3780.00	47.34	5.63	52.97	74.00	-21.03	83	200	Peak
5400.00	43.86	9.32	53.18	54.00	-0.82	62	200	Average
5400.00	46.26	9.32	55.58	74.00	-18.42	62	200	Peak
6948.00	39.23	12.27	51.50	74.00	-22.50	137	200	Peak
7560.00	41.26	12.45	53.71	54.00	-0.29	81	201	Average
7560.00	43.98	12.45	56.43	74.00	-17.57	81	201	Peak
10800.00	36.31	17.17	53.48	54.00	-0.52	76	185	Average
10800.00	40.22	17.17	57.39	74.00	-16.61	76	185	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
Margin = Result – Limit  
Remark Peak = Result(PK) – Limit(PK)  
Remark AVG = Result(AV) – Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Rex Chiu
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/06
<b>Test Mode</b>	UNII Band 3 / IEEE 802.11ac VHT20 Mode TX / CH Low / Beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5400.00	44.12	9.32	53.44	54.00	-0.56	104	200	Average
5400.00	46.75	9.32	56.07	74.00	-17.93	104	200	Peak
5715.00	46.62	10.03	56.65	68.20	-11.55	217	100	Peak
5725.00	55.33	10.05	65.38	78.20	-12.82	347	100	Peak
7560.00	38.35	12.45	50.80	74.00	-23.20	10	100	Peak
8724.00	36.99	13.21	50.20	74.00	-23.80	82	100	Peak
11496.00	32.12	18.36	50.48	54.00	-3.52	67	100	Average
11496.00	37.57	18.36	55.93	74.00	-18.07	67	100	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3780.00	40.13	5.63	45.76	54.00	-8.24	121	100	Average
3780.00	48.28	5.63	53.91	74.00	-20.09	121	100	Peak
5715.00	55.70	10.03	65.73	68.20	-2.47	54	200	Peak
5725.00	67.70	10.05	77.75	78.20	-0.45	343	200	Peak
7020.00	40.33	12.35	52.68	54.00	-1.32	56	200	Average
7020.00	42.23	12.35	54.58	74.00	-19.42	56	200	Peak
7560.00	41.18	12.45	53.63	54.00	-0.37	69	200	Average
7560.00	43.34	12.45	55.79	74.00	-18.21	69	200	Peak
10800.00	35.32	17.17	52.49	54.00	-1.51	66	200	Average
10800.00	38.89	17.17	56.06	74.00	-17.94	66	200	Peak
11484.00	33.08	18.34	51.42	54.00	-2.58	311	200	Average
11484.00	37.97	18.34	56.31	74.00	-17.69	311	200	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
Margin = Result – Limit  
Remark Peak = Result(PK) – Limit(PK)  
Remark AVG = Result(AV) – Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Rex Chiu
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/06
<b>Test Mode</b>	UNII Band 3 / IEEE 802.11ac VHT20 Mode TX / CH Middle / Beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	48.16	4.37	52.53	54.00	-1.47	203	100	Average
3240.00	50.27	4.37	54.64	74.00	-19.36	203	100	Peak
5710.00	44.96	10.01	54.97	68.20	-13.23	89	200	Peak
5960.00	44.52	10.58	55.10	68.20	-13.10	237	200	Peak
7560.00	40.80	12.45	53.25	54.00	-0.75	92	200	Average
7560.00	42.42	12.45	54.87	74.00	-19.13	92	200	Peak
10800.00	33.50	17.17	50.67	54.00	-3.33	78	200	Average
10800.00	36.92	17.17	54.09	74.00	-19.91	78	200	Peak
11568.00	34.50	18.53	53.03	54.00	-0.97	139	200	Average
11568.00	39.97	18.53	58.50	74.00	-15.50	139	200	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5400.00	43.72	9.32	53.04	54.00	-0.96	87	200	Average
5400.00	45.62	9.32	54.94	74.00	-19.06	87	200	Peak
5710.00	46.44	10.01	56.45	68.20	-11.75	152	200	Peak
5860.00	44.69	10.35	55.04	68.20	-13.16	142	200	Peak
7020.00	40.93	12.35	53.28	54.00	-0.72	52	200	Average
7020.00	42.89	12.35	55.24	74.00	-18.76	52	200	Peak
7560.00	41.32	12.45	53.77	54.00	-0.23	61	200	Average
7560.00	42.82	12.45	55.27	74.00	-18.73	61	200	Peak
10800.00	36.36	17.17	53.53	54.00	-0.47	67	100	Average
10800.00	40.46	17.17	57.63	74.00	-16.37	67	100	Peak
11568.00	32.60	18.53	51.13	54.00	-2.87	216	100	Average
11568.00	38.13	18.53	56.66	74.00	-17.34	216	100	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
 Margin = Result - Limit  
 Remark Peak = Result(PK) - Limit(PK)  
 Remark AVG = Result(AV) - Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Rex Chiu
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/06
<b>Test Mode</b>	UNII Band 3 / IEEE 802.11ac VHT20 Mode TX / CH High / Beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5400.00	44.17	9.32	53.49	54.00	-0.51	98	200	Average
5400.00	46.27	9.32	55.59	74.00	-18.41	98	200	Peak
5850.00	51.95	10.33	62.28	78.20	-15.92	262	100	Peak
5865.00	46.13	10.36	56.49	68.20	-11.71	280	200	Peak
7560.00	40.36	12.45	52.81	54.00	-1.19	105	200	Average
7560.00	42.75	12.45	55.20	74.00	-18.80	105	200	Peak
10800.00	34.59	17.17	51.76	54.00	-2.24	110	200	Average
10800.00	38.07	17.17	55.24	74.00	-18.76	110	200	Peak
11664.00	32.66	18.74	51.40	54.00	-2.60	124	200	Average
11664.00	38.25	18.74	56.99	74.00	-17.01	124	200	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	48.59	4.37	52.96	54.00	-1.04	103	200	Average
3240.00	50.57	4.37	54.94	74.00	-19.06	103	200	Peak
5850.00	55.26	10.33	65.59	78.20	-12.61	6	200	Peak
5875.00	48.30	10.39	58.69	68.20	-9.51	312	200	Peak
7020.00	39.76	12.35	52.11	54.00	-1.89	22	200	Average
7020.00	42.73	12.35	55.08	74.00	-18.92	22	200	Peak
7560.00	40.97	12.45	53.42	54.00	-0.58	63	200	Average
7560.00	42.67	12.45	55.12	74.00	-18.88	63	200	Peak
10800.00	35.20	17.17	52.37	54.00	-1.63	80	100	Average
10800.00	39.61	17.17	56.78	74.00	-17.22	80	100	Peak
11652.00	31.47	18.72	50.19	54.00	-3.81	94	200	Average
11652.00	37.04	18.72	55.76	74.00	-18.24	94	200	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
Margin = Result - Limit  
Remark Peak = Result(PK) - Limit(PK)  
Remark AVG = Result(AV) - Limit(AV)



<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Rex Chiu
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/06
<b>Test Mode</b>	UNII Band 3 / IEEE 802.11ac VHT40 Mode TX / CH Low / Beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3240.00	48.35	4.37	52.72	54.00	-1.28	205	100	Average
3240.00	50.30	4.37	54.67	74.00	-19.33	205	100	Peak
5715.00	49.65	10.03	59.68	74.00	-14.32	1	200	Peak
5725.00	50.87	10.05	60.92	74.00	-13.08	334	100	Peak
7560.00	40.96	12.45	53.41	54.00	-0.59	102	200	Average
7560.00	42.50	12.45	54.95	74.00	-19.05	102	200	Peak
9444.00	36.98	14.50	51.48	74.00	-22.52	60	100	Peak
10800.00	35.67	17.17	52.84	54.00	-1.16	71	200	Average
10800.00	39.33	17.17	56.50	74.00	-17.50	71	200	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
3780.00	40.29	5.63	45.92	54.00	-8.08	82	200	Average
3780.00	48.15	5.63	53.78	74.00	-20.22	82	200	Peak
5712.50	55.52	10.03	65.55	68.20	-2.65	0	100	Peak
5723.50	60.25	10.04	70.29	78.20	-7.91	0	100	Peak
7020.00	40.35	12.35	52.70	54.00	-1.30	62	100	Average
7020.00	42.40	12.35	54.75	74.00	-19.25	62	100	Peak
7560.00	40.24	12.45	52.69	54.00	-1.31	71	200	Average
7560.00	41.92	12.45	54.37	74.00	-19.63	71	200	Peak
10800.00	36.19	17.17	53.36	54.00	-0.64	71	100	Average
10800.00	40.79	17.17	57.96	74.00	-16.04	71	100	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
 Margin = Result - Limit  
 Remark Peak = Result(PK) - Limit(PK)  
 Remark AVG = Result(AV) - Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Rex Chiu
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/06
<b>Test Mode</b>	UNII Band 3 / IEEE 802.11ac VHT40 Mode TX / CH High / Beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5715.00	45.76	10.03	55.79	68.20	-12.41	264	100	Peak
5725.00	48.40	10.05	58.45	78.20	-19.75	259	100	Peak
5850.00	47.20	10.33	57.53	78.20	-20.67	262	100	Peak
5860.00	44.43	10.35	54.78	68.20	-13.42	248	100	Peak
7560.00	40.91	12.45	53.36	54.00	-0.64	64	200	Average
7560.00	42.36	12.45	54.81	74.00	-19.19	64	200	Peak
10800.00	35.34	17.17	52.51	54.00	-1.49	100	200	Average
10800.00	37.32	17.17	54.49	74.00	-19.51	100	200	Peak
11604.00	32.85	18.61	51.46	54.00	-2.54	109	200	Average
11604.00	38.45	18.61	57.06	74.00	-16.94	109	200	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5715.00	49.71	10.03	59.74	68.20	-8.46	278	100	Peak
5720.00	52.42	10.04	62.46	78.20	-15.74	276	200	Peak
5850.00	50.16	10.33	60.49	78.20	-17.71	176	200	Peak
5860.00	49.26	10.35	59.61	68.20	-8.59	217	200	Peak
7020.00	39.87	12.35	52.22	54.00	-1.78	88	100	Average
7020.00	41.83	12.35	54.18	74.00	-19.82	88	100	Peak
7560.00	40.62	12.45	53.07	54.00	-0.93	73	200	Average
7560.00	42.57	12.45	55.02	74.00	-18.98	73	200	Peak
10800.00	36.23	17.17	53.40	54.00	-0.60	70	100	Average
10800.00	39.93	17.17	57.10	74.00	-16.90	70	100	Peak
11580.00	31.69	18.55	50.24	54.00	-3.76	307	200	Average
11580.00	37.25	18.55	55.80	74.00	-18.20	307	200	Peak

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
 Margin = Result - Limit  
 Remark Peak = Result(PK) - Limit(PK)  
 Remark AVG = Result(AV) - Limit(AV)

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Rex Chiu
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/06
<b>Test Mode</b>	UNII Band 3 / IEEE 802.11ac VHT80 Mode TX / CH Low / Beamforming	<b>Temp. &amp; Humidity</b>	22°C, 56%

**966Chamber\_B at 3Meter / Horizontal**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5685.00	49.57	9.96	59.53	68.20	-8.67	312	100	Peak
5725.00	47.65	10.05	57.70	78.20	-20.50	140	200	Peak
5850.00	48.75	10.33	59.08	78.20	-19.12	11	100	Peak
5860.00	47.57	10.35	57.92	68.20	-10.28	267	100	Peak
7020.00	38.66	12.35	51.01	74.00	-22.99	298	200	Peak
7560.00	40.71	12.45	53.16	54.00	-0.84	61	200	Average
7560.00	42.43	12.45	54.88	74.00	-19.12	61	200	Peak
10800.00	36.12	17.17	53.29	54.00	-0.71	70	200	Average
10800.00	39.74	17.17	56.91	74.00	-17.09	70	200	Peak

**966Chamber\_B at 3Meter / Vertical**

Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
5690.00	57.44	9.97	67.41	68.20	-0.79	356	200	Peak
5725.00	62.96	10.05	73.01	78.20	-5.19	139	200	Peak
5855.00	55.60	10.34	65.94	78.20	-12.26	1	200	Peak
5860.00	54.80	10.35	65.15	68.20	-3.05	0	200	Peak
7020.00	40.19	12.35	52.54	54.00	-1.46	37	200	Average
7020.00	42.16	12.35	54.51	74.00	-19.49	37	200	Peak
7560.00	40.93	12.45	53.38	54.00	-0.62	73	200	Average
7560.00	42.64	12.45	55.09	74.00	-18.91	73	200	Peak
10800.00	36.37	17.17	53.54	54.00	-0.46	57	100	Average
10800.00	39.92	17.17	57.09	74.00	-16.91	57	100	Peak

**Remark:**

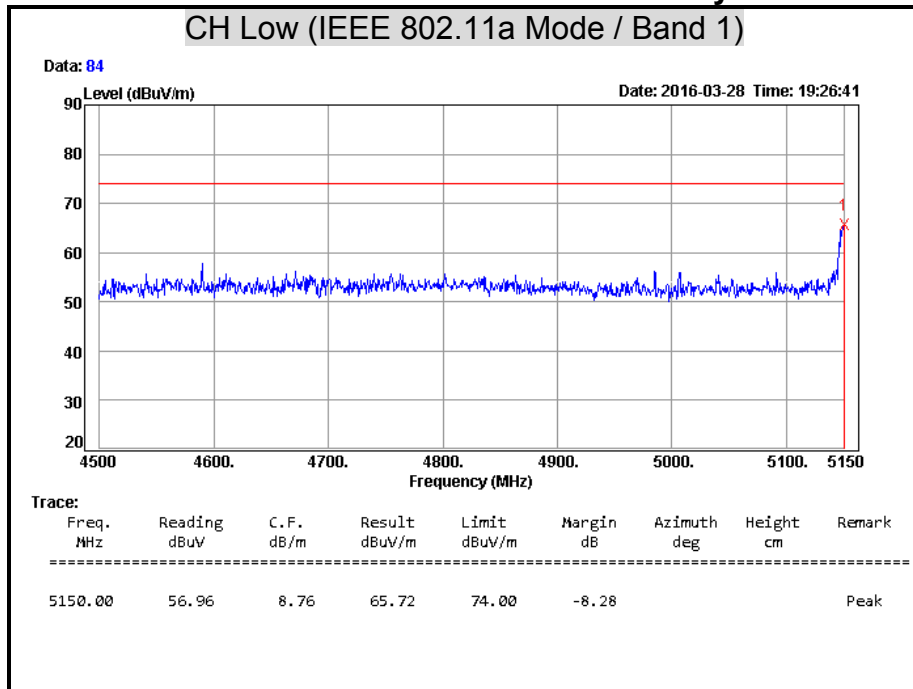
1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. Result = Reading + Correction Factor  
Margin = Result - Limit  
Remark Peak = Result(PK) - Limit(PK)  
Remark AVG = Result(AV) - Limit(AV)

**Restricted Band Edges**

**Non-beamforming**

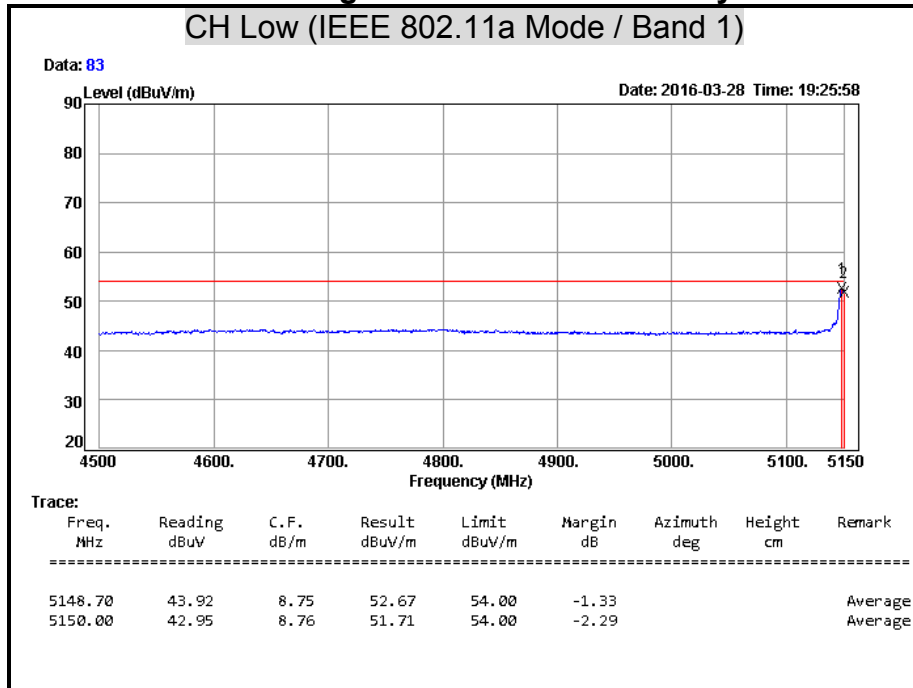
**Detector Mode: Peak**

**Polarity: Horizontal**



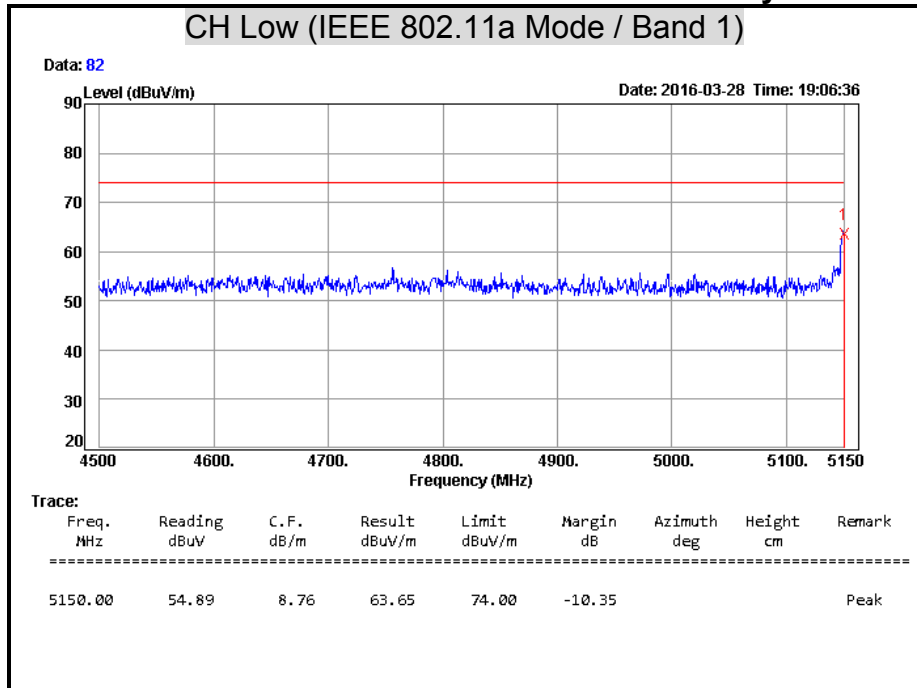
**Detector Mode: Average**

**Polarity: Horizontal**



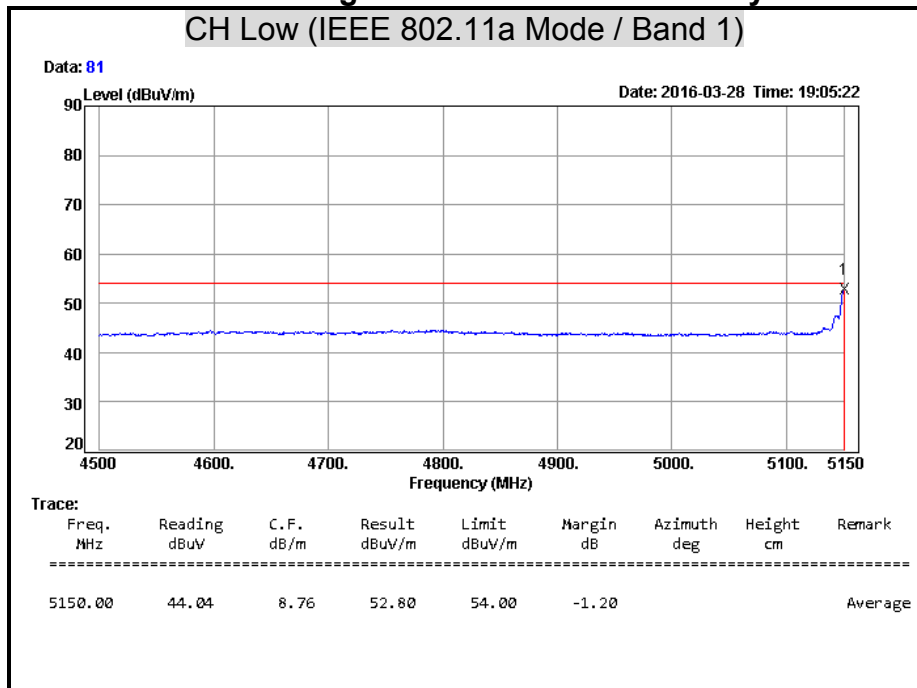
**Detector Mode: Peak**

**Polarity: Vertical**



**Detector Mode: Average**

**Polarity: Vertical**



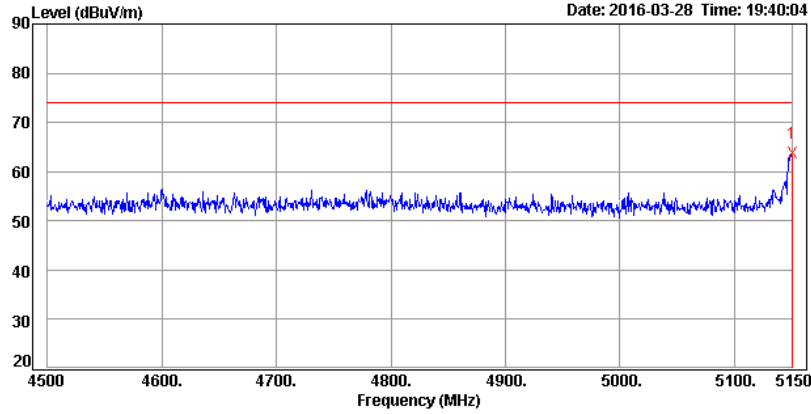


**Detector Mode: Peak**

**Polarity: Vertical**

**CH Low (IEEE 802.11ac VHT20 Mode / Band 1)**

Data: 86



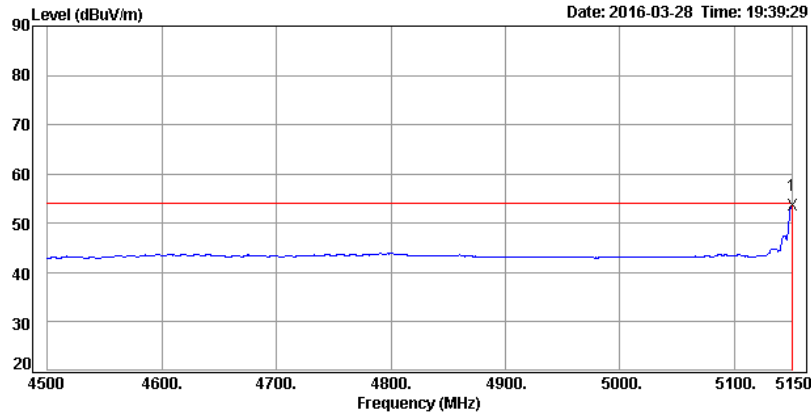
Trace:	Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
-----	5150.00	54.95	8.76	63.71	74.00	-10.29			Peak

**Detector Mode: Average**

**Polarity: Vertical**

**CH Low (IEEE 802.11ac VHT20 Mode / Band 1)**

Data: 85



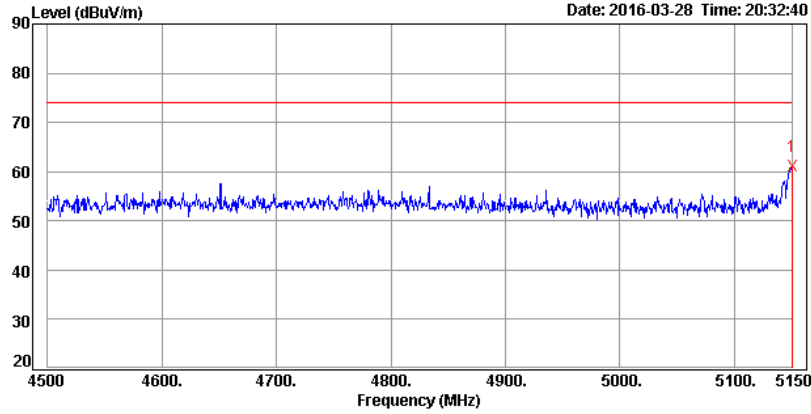
Trace:	Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
-----	5150.00	44.98	8.76	53.74	54.00	-0.26			Average

**Detector Mode: Peak**

**Polarity: Horizontal**

**CH Low (IEEE 802.11ac VHT40 Mode / Band 1)**

Data: 92



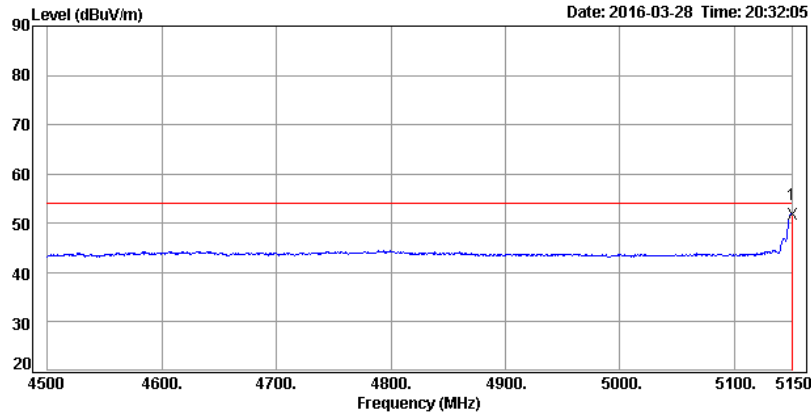
Trace:	Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
-----	5150.00	52.47	8.76	61.23	74.00	-12.77			Peak

**Detector Mode: Average**

**Polarity: Horizontal**

**CH Low (IEEE 802.11ac VHT40 Mode / Band 1)**

Data: 91

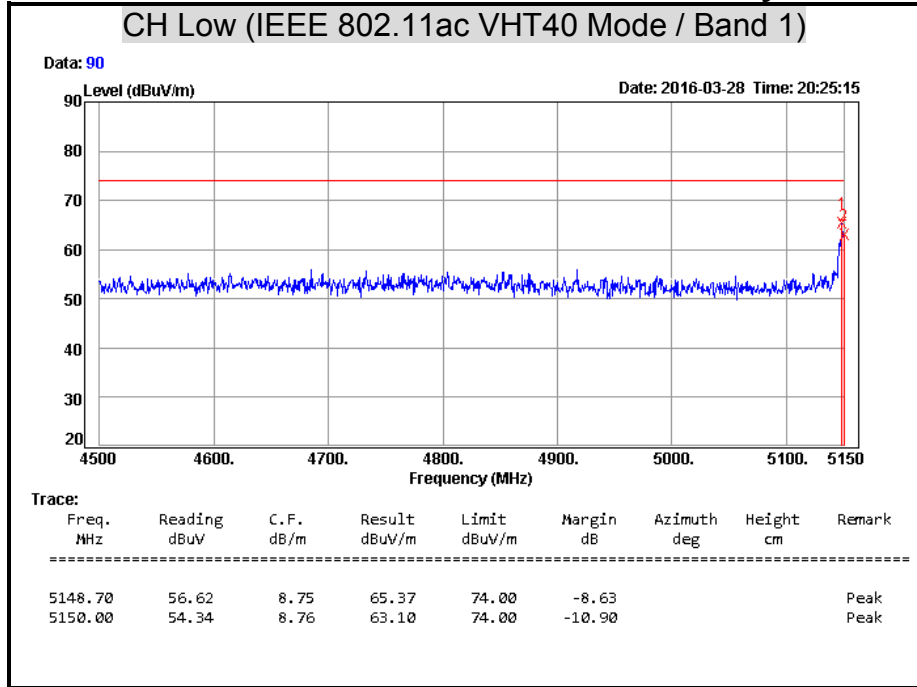


Trace:	Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
-----	5150.00	43.01	8.76	51.77	54.00	-2.23			Average



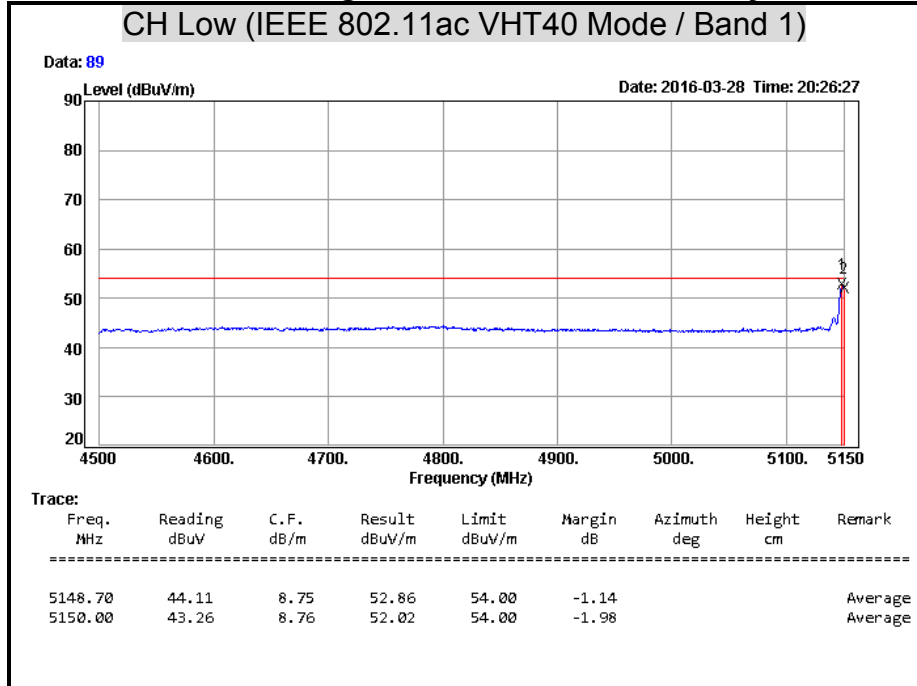
**Detector Mode: Peak**

**Polarity: Vertical**



**Detector Mode: Average**

**Polarity: Vertical**

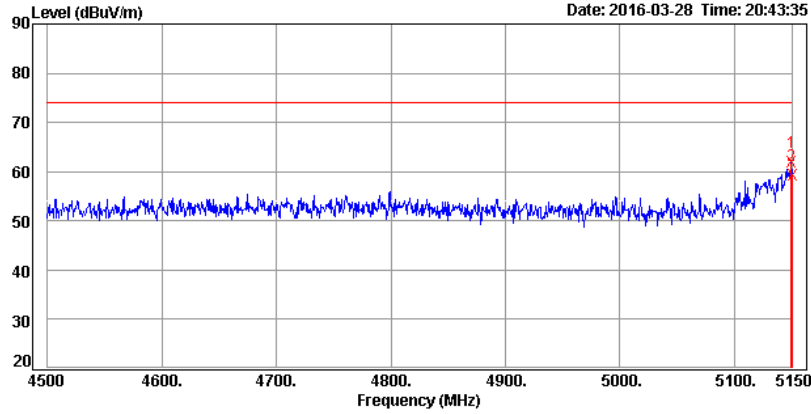


**Detector Mode: Peak**

**Polarity: Horizontal**

**CH Low (IEEE 802.11ac VHT80 Mode / Band 1)**

Data: 96



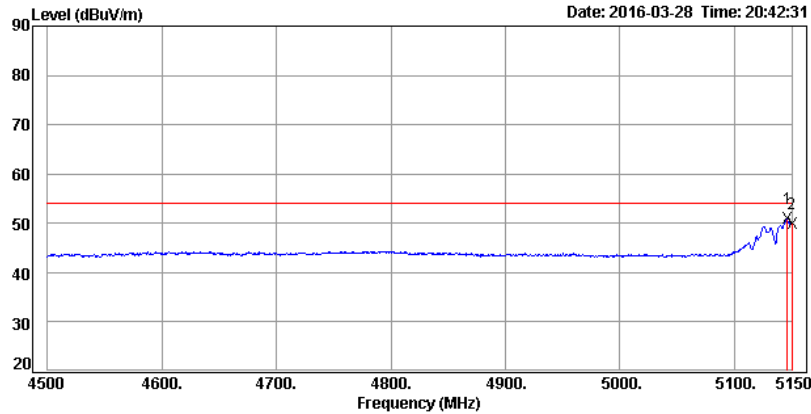
Trace:	Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
	5149.35	53.05	8.75	61.80	74.00	-12.20			Peak
	5150.00	50.57	8.76	59.33	74.00	-14.67			Peak

**Detector Mode: Average**

**Polarity: Horizontal**

**CH Low (IEEE 802.11ac VHT80 Mode / Band 1)**

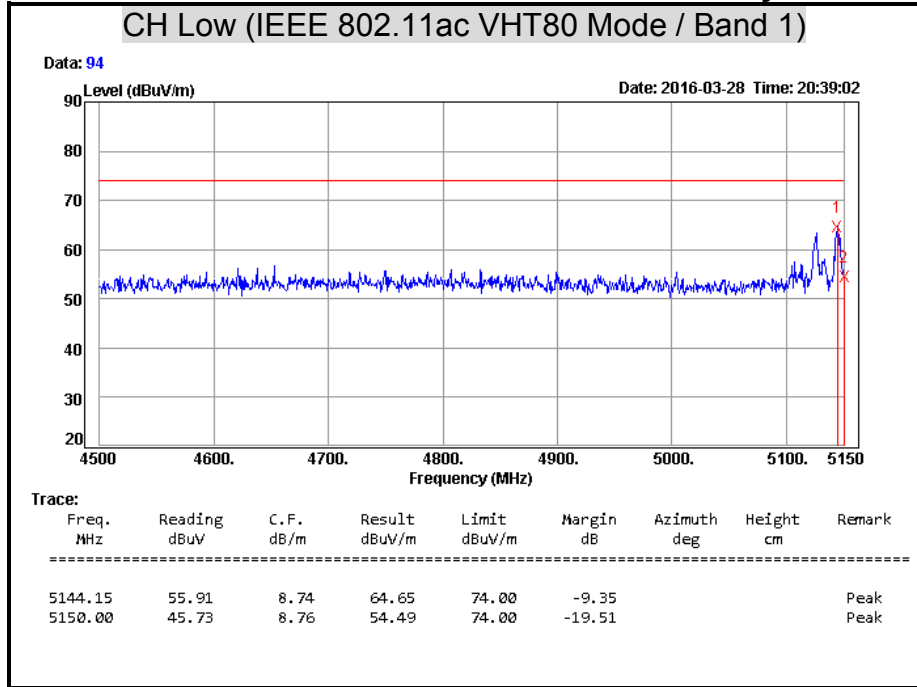
Data: 95



Trace:	Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
	5146.10	42.25	8.75	51.00	54.00	-3.00			Average
	5150.00	41.30	8.76	50.06	54.00	-3.94			Average

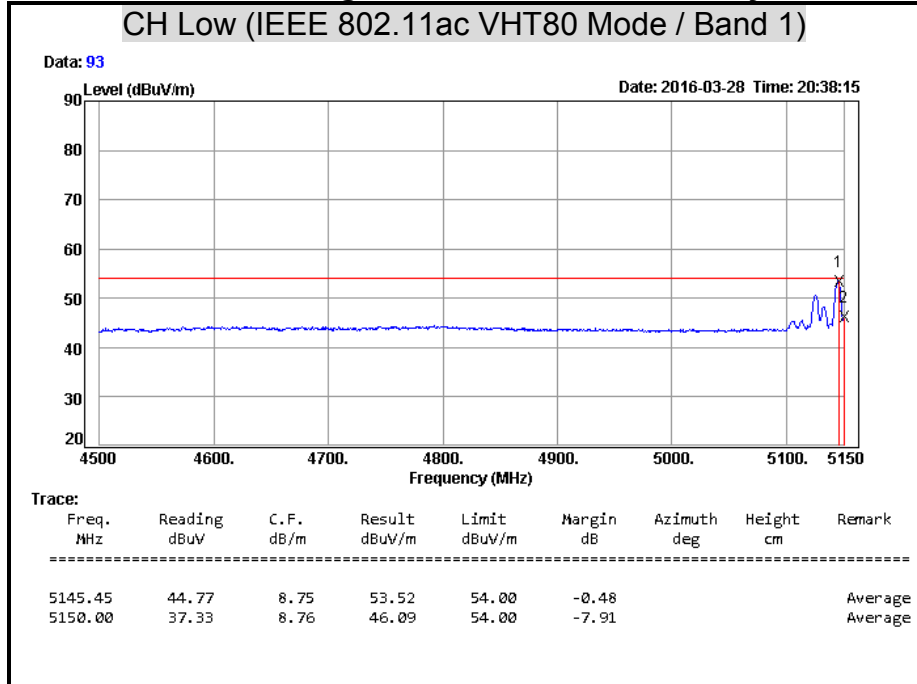
**Detector Mode: Peak**

**Polarity: Vertical**



**Detector Mode: Average**

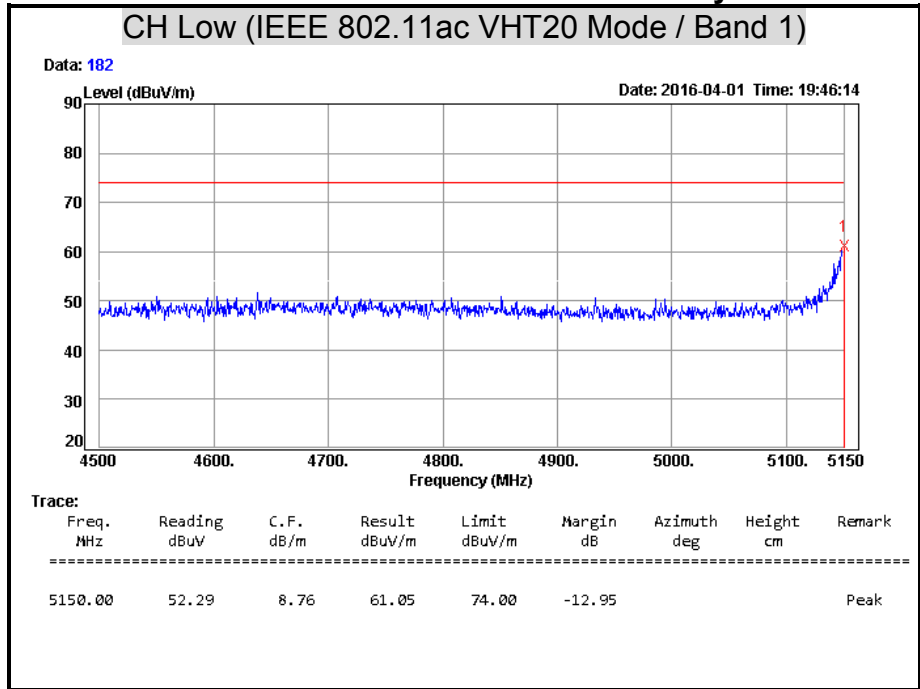
**Polarity: Vertical**



**Beamforming**

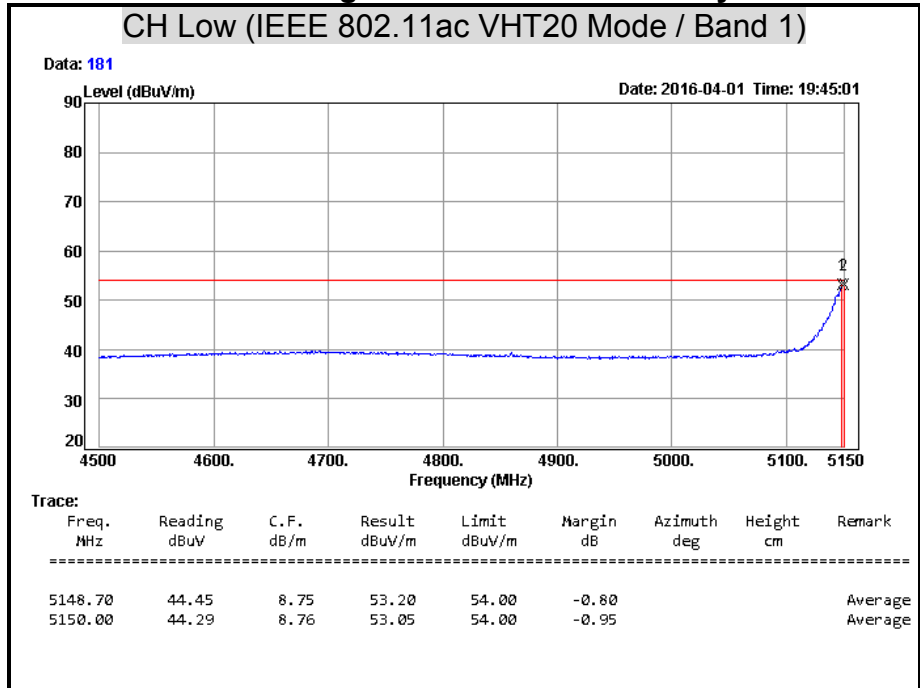
**Detector Mode: Peak**

**Polarity: Horizontal**



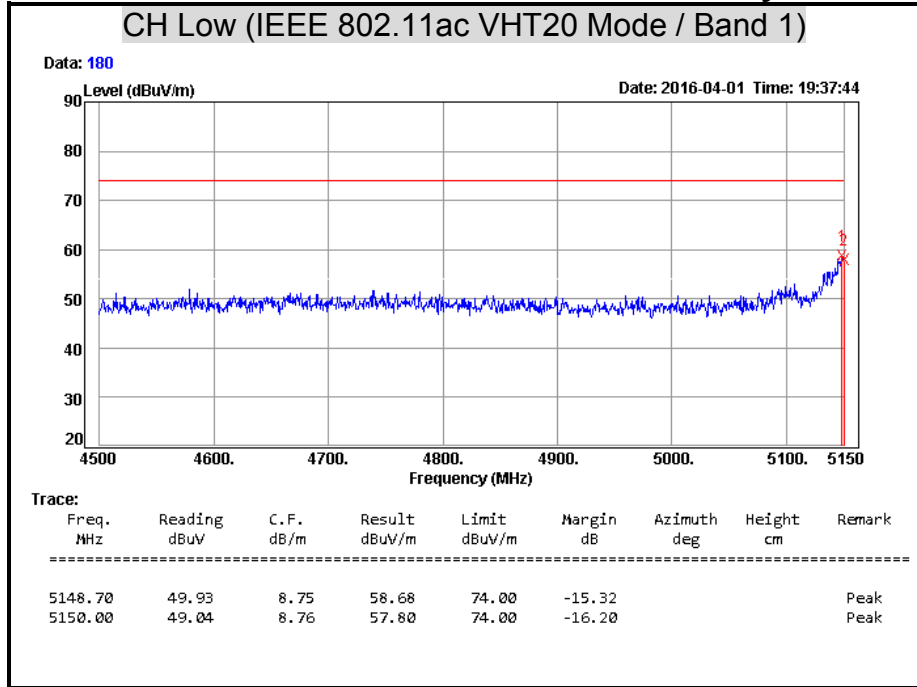
**Detector Mode: Average**

**Polarity: Horizontal**



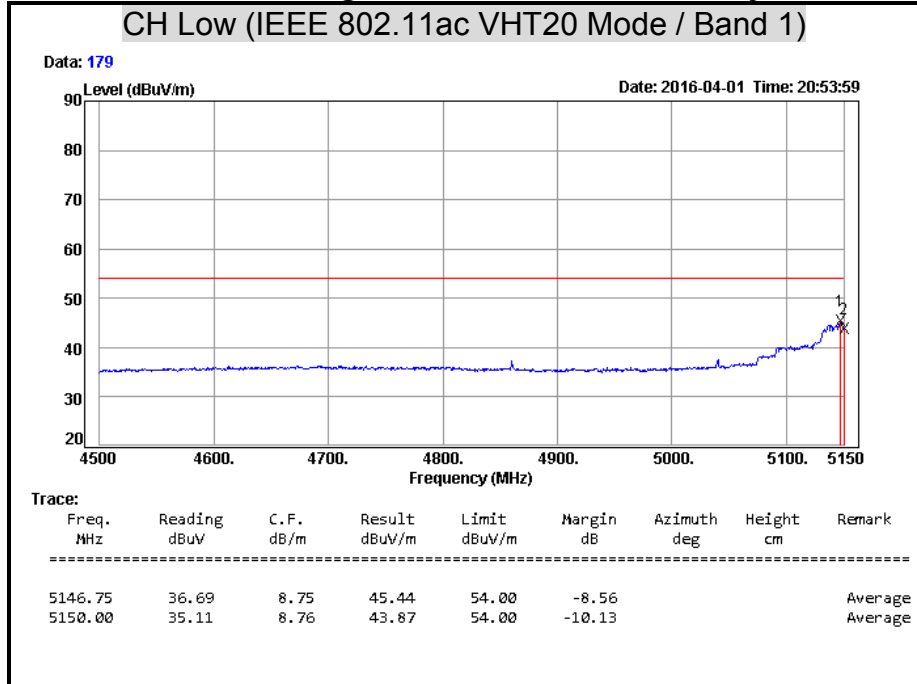
**Detector Mode: Peak**

**Polarity: Vertical**

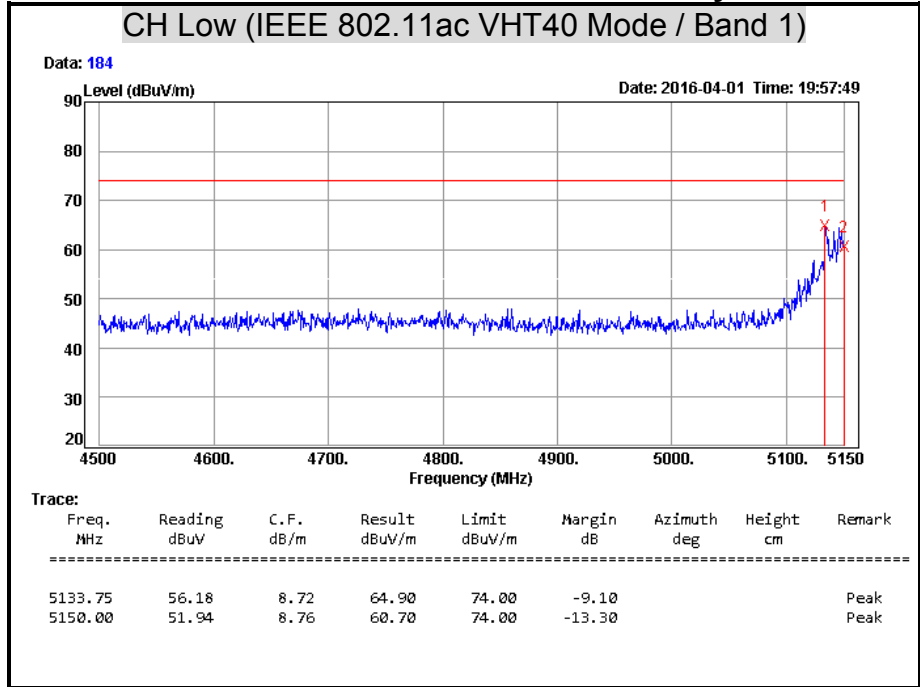


**Detector Mode: Average**

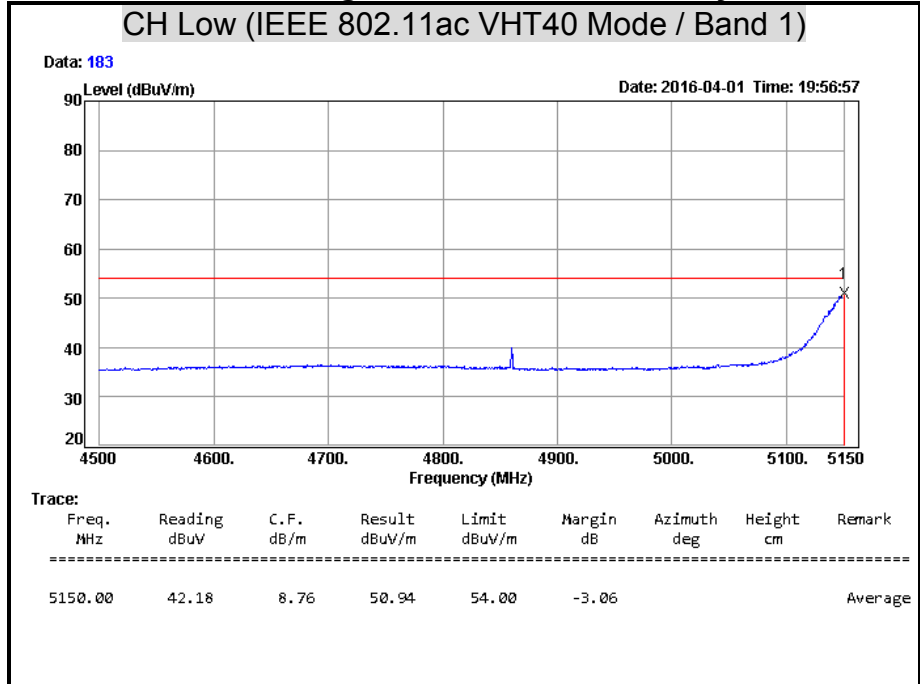
**Polarity: Vertical**



**Detector Mode: Peak** **Polarity: Horizontal**



**Detector Mode: Average** **Polarity: Horizontal**



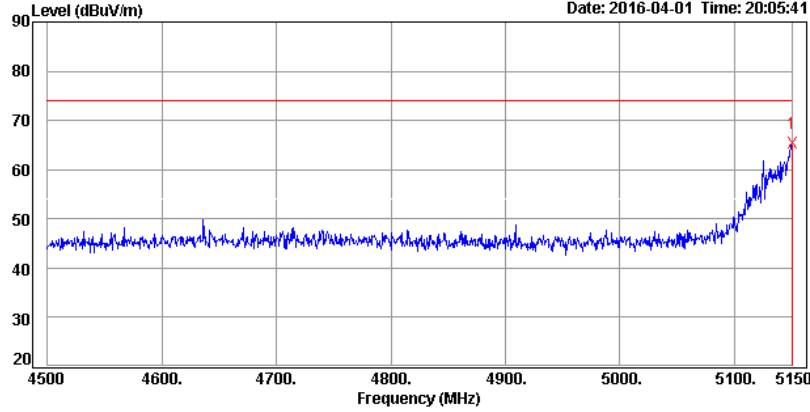
**Detector Mode: Peak**

**Polarity: Vertical**

**CH Low (IEEE 802.11ac VHT40 Mode / Band 1)**

Data: 186

Date: 2016-04-01 Time: 20:05:41



Trace:	Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
-----	5150.00	56.51	8.76	65.27	74.00	-8.73			Peak

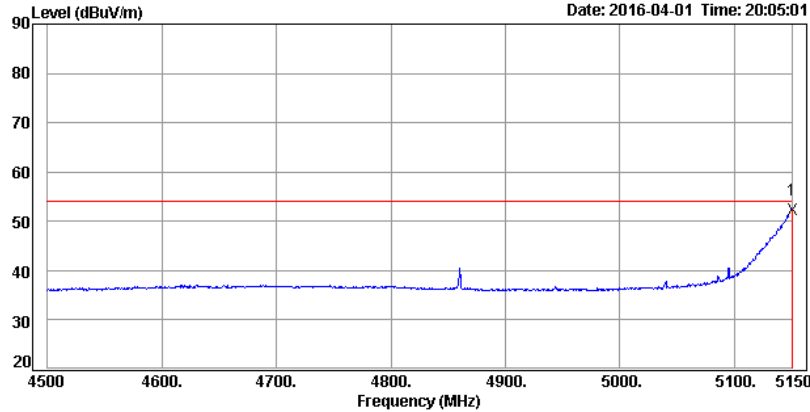
**Detector Mode: Average**

**Polarity: Vertical**

**CH Low (IEEE 802.11ac VHT40 Mode / Band 1)**

Data: 185

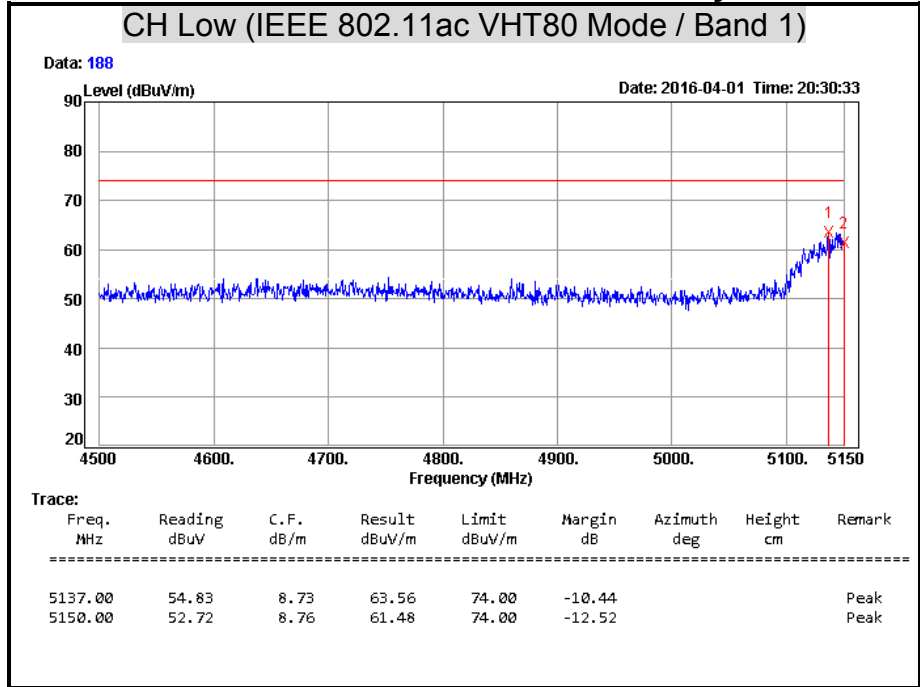
Date: 2016-04-01 Time: 20:05:01



Trace:	Freq. MHz	Reading dBuV	C.F. dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Azimuth deg	Height cm	Remark
-----	5150.00	43.61	8.76	52.37	54.00	-1.63			Average

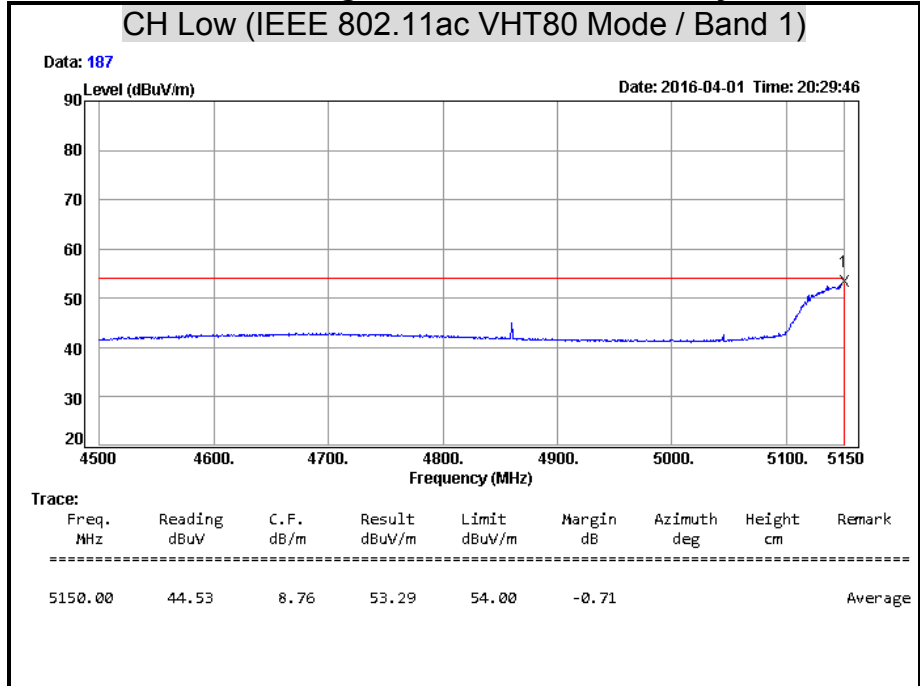
**Detector Mode: Peak**

**Polarity: Horizontal**



**Detector Mode: Average**

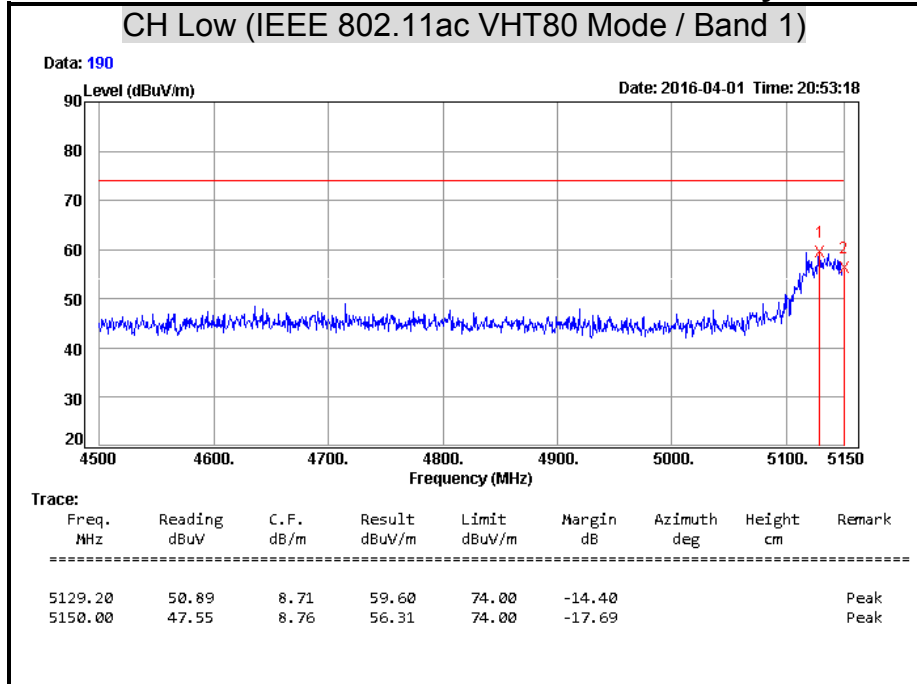
**Polarity: Horizontal**





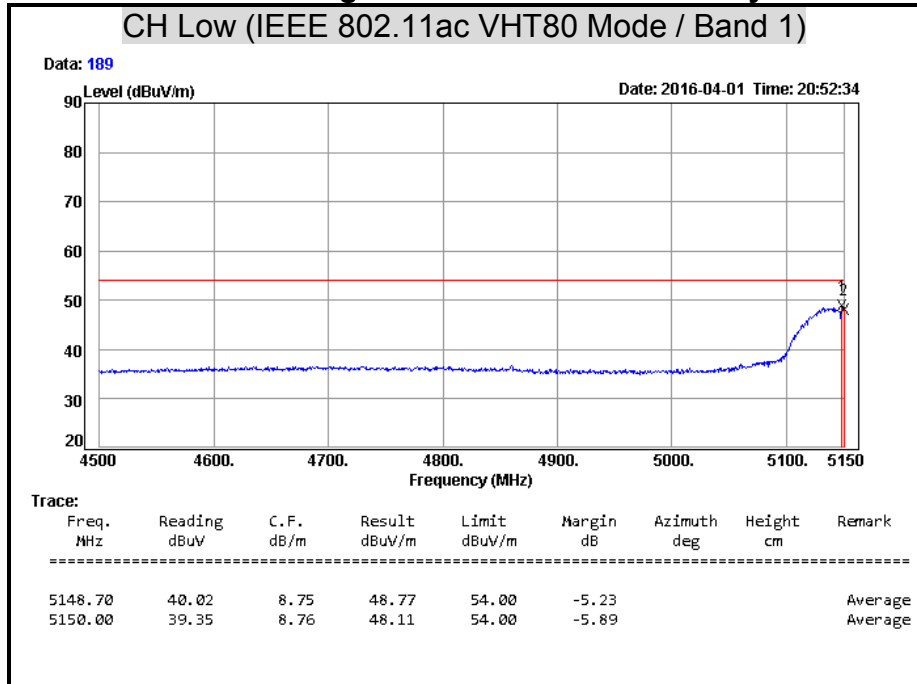
**Detector Mode: Peak**

**Polarity: Vertical**



**Detector Mode: Average**

**Polarity: Vertical**



## 7.6 CONDUCTED EMISSION

### LIMITS

§ 15.207 (a) Except as shown in paragraph (b) and (c) this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50  $\mu$ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

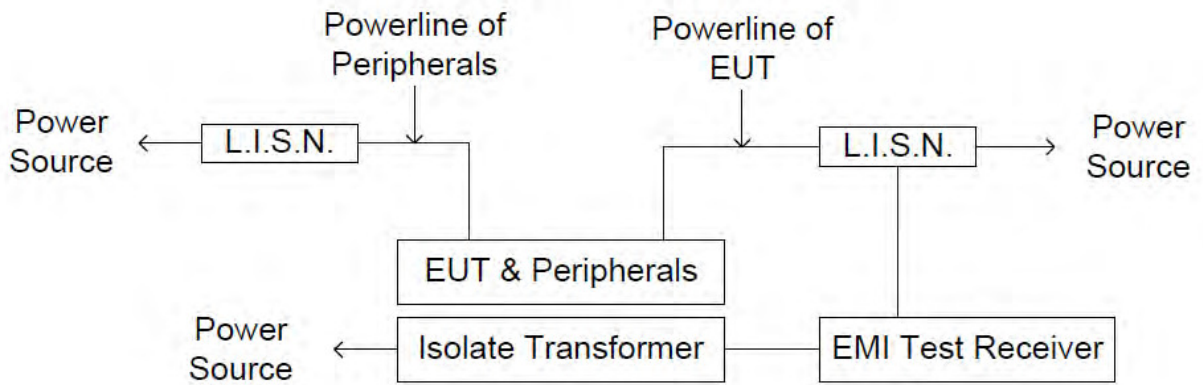
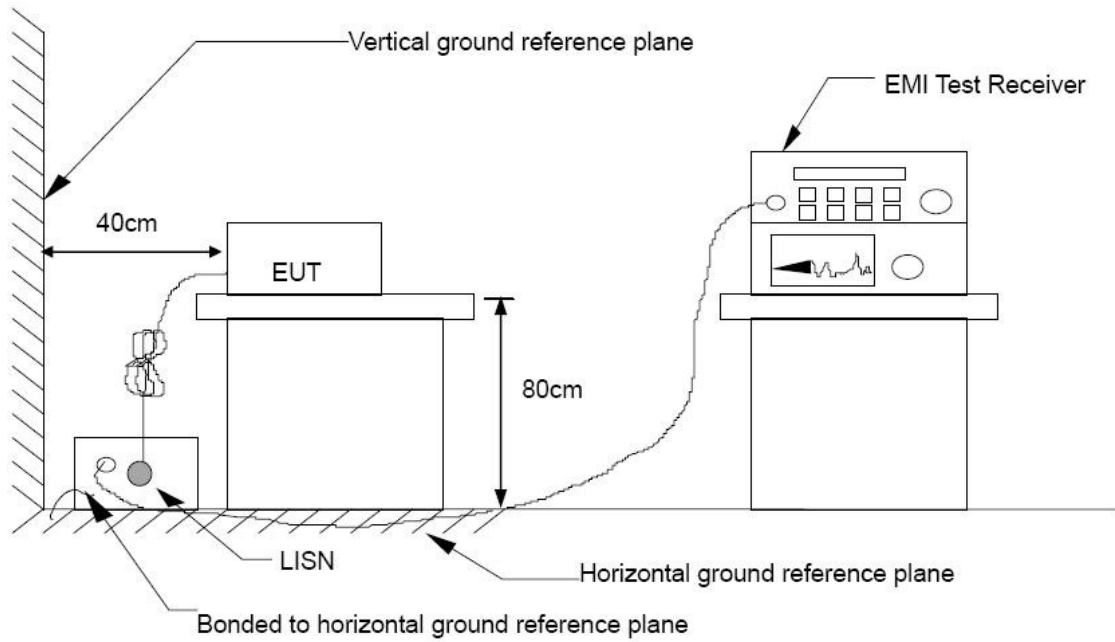
Frequency Range (MHz)	Conducted Limit (dB $\mu$ v)	
	Quasi-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5.00	56	46
5.00 - 30.0	60	50

### TEST EQUIPMENT

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
L.I.S.N	Schwarzbeck	NSLK 8127	8127465	08/05/2016
L.I.S.N	Schwarzbeck	NSLK 8127	8127473	03/10/2017
EMI Test Receiver	Rohde & Schwarz	ESHS 30	838550/003	10/31/2016
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100111	06/28/2016
Test S/W	E3.815206a			

**Remark:** Each piece of equipment is scheduled for calibration once a year.

**TEST SETUP**



**TEST PROCEDURE**

The basic test procedure was in accordance with ANSI C63.10:2013.

The test procedure is performed in a 4m × 3m × 2.4m (L×W×H) shielded room.

The EUT along with its peripherals were placed on a 1.0m (W) × 1.5m (L) and 0.8m in height wooden table and the EUT was adjusted to maintain a 0.4 meter space from a vertical reference plane.

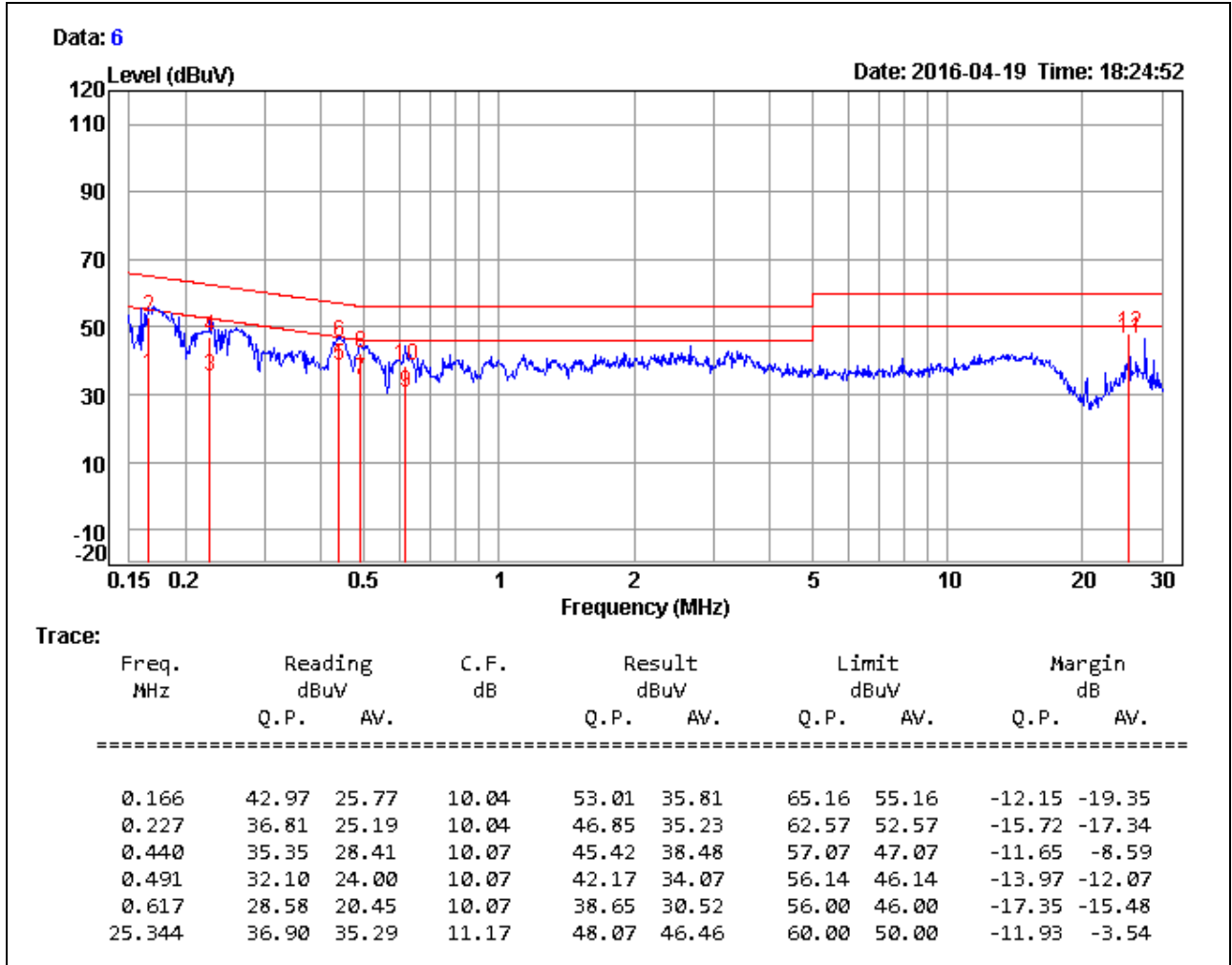
The EUT was connected to power mains through a line impedance stabilization network (LISN) which provides 50 ohm coupling impedance for measuring instrument and the chassis ground was bounded to the horizontal ground plane of shielded room. All peripherals were connected to the second LISN and the chassis ground also bounded to the horizontal ground plane of shielded room.

The EUT was located so that the distance between the boundary of the EUT and the closest surface of the LISN is 0.8 m. Where a mains flexible cord was provided by the manufacturer shall be 1 m long, or if in excess of 1 m, the excess cable was folded back and forth as far as possible so as to form a bundle not exceeding 0.4 m in length.

**TEST RESULTS**

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Audi Chang
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/19
<b>Test Mode</b>	Mode 2	<b>Temp. &amp; Humidity</b>	26°C, 49%

**LINE**

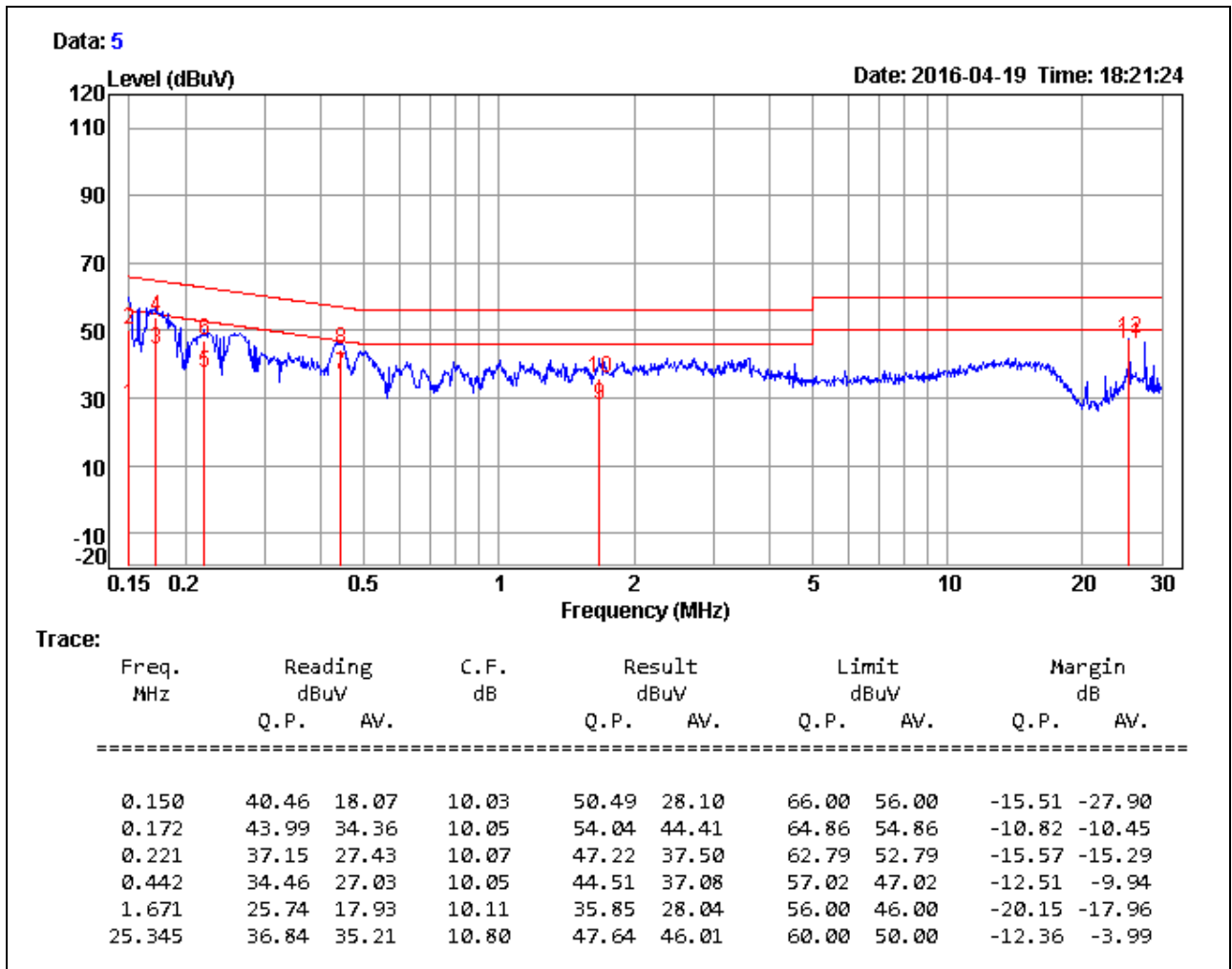


**Remark:**

1. Correction Factor = Insertion loss + Cable loss
2. Result level = Reading Value + Correction factor
3. Margin value = Result level – Limit value

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Audi Chang
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/19
<b>Test Mode</b>	Mode 2	<b>Temp. &amp; Humidity</b>	26°C, 49%

**NEUTRAL**



**Remark:**

1. Correction Factor = Insertion loss + Cable loss
2. Result level = Reading Value + Correction factor
3. Margin value = Result level – Limit value

## 7.7 FREQUENCY STABILITY

### LIMITS

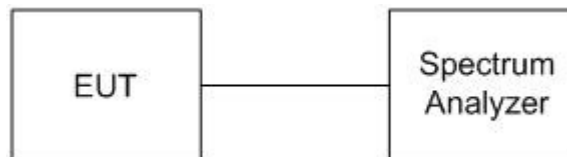
§ 15.407 (g) manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

### TEST EQUIPMENT

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
EXA Signal Analyzer	Agilent	N9010A	MY52220817	03/15/2017
Test S/W	N/A			

*Remark: Each piece of equipment is scheduled for calibration once a year.*

### TEST SETUP



### TEST PROCEDURE

1. Place the EUT on the table and set it in the transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set the environment into appropriate environment.
4. Set the spectrum analyzer as RBW=1kHz, VBW = RBW, Span = 200kHz, Sweep = auto.
5. Mark the peak frequency and measure the frequency tolerance using frequency counter function.
6. Repeat until all the results are investigated.

**TEST RESULTS**

<b>Product Name</b>	Moca AP cable Modem	<b>Test By</b>	Davis Tseng
<b>Test Model</b>	CGNVM-3589	<b>Test Date</b>	2016/04/12
<b>Test Mode</b>	TX Mode	<b>Temp. &amp; Humidity</b>	25°C, 53%

**IEEE 802.11a Mode**

U-NII Band	Channel	Channel Frequency (MHz)	Measured Frequency (MHz)	Delta Frequency (kHz)	20 ppm Limit (kHz)	Margin (kHz)
Band 1	Low	5180	5179.983830	-16.17	103.60	-87.43
	Middle	5200	5199.982405	-17.60	104.00	-86.40
	High	5240	5239.983782	-16.22	104.80	-88.58
Band 3	Low	5745	5744.982984	-17.02	114.90	-97.88
	Middle	5785	5784.979262	-20.74	115.70	-94.96
	High	5825	5824.979105	-20.89	116.50	-95.61

**IEEE 802.11ac VHT20 Mode**

U-NII Band	Channel	Channel Frequency (MHz)	Measured Frequency (MHz)	Delta Frequency (kHz)	20 ppm Limit (kHz)	Margin (kHz)
Band 1	Low	5180	5179.980265	-19.73	103.60	-83.87
	Middle	5200	5199.980425	-19.58	104.00	-84.42
	High	5240	5239.980633	-19.37	104.80	-85.43
Band 3	Low	5745	5744.979149	-20.85	114.90	-94.05
	Middle	5785	5784.979335	-20.67	115.70	-95.03
	High	5825	5824.979114	-20.89	116.50	-95.61

**IEEE 802.11ac VHT40 Mode**

U-NII Band	Channel	Channel Frequency (MHz)	Measured Frequency (MHz)	Delta Frequency (kHz)	20 ppm Limit (kHz)	Margin (kHz)
Band 1	Low	5190	5189.980185	-19.81	103.80	-83.99
	High	5230	5229.980065	-19.94	104.60	-84.66
Band 3	Low	5755	5754.978077	-21.92	115.10	-93.18
	High	5795	5794.978055	-21.95	115.90	-93.95

**IEEE 802.11ac VHT80 Mode**

U-NII Band	Channel	Channel Frequency (MHz)	Measured Frequency (MHz)	Delta Frequency (kHz)	20 ppm Limit (kHz)	Margin (kHz)
Band 1	Low	5210	5209.978075	-21.93	104.20	-82.27
Band 3	Low	5775	5774.978047	-21.95	115.50	-93.55