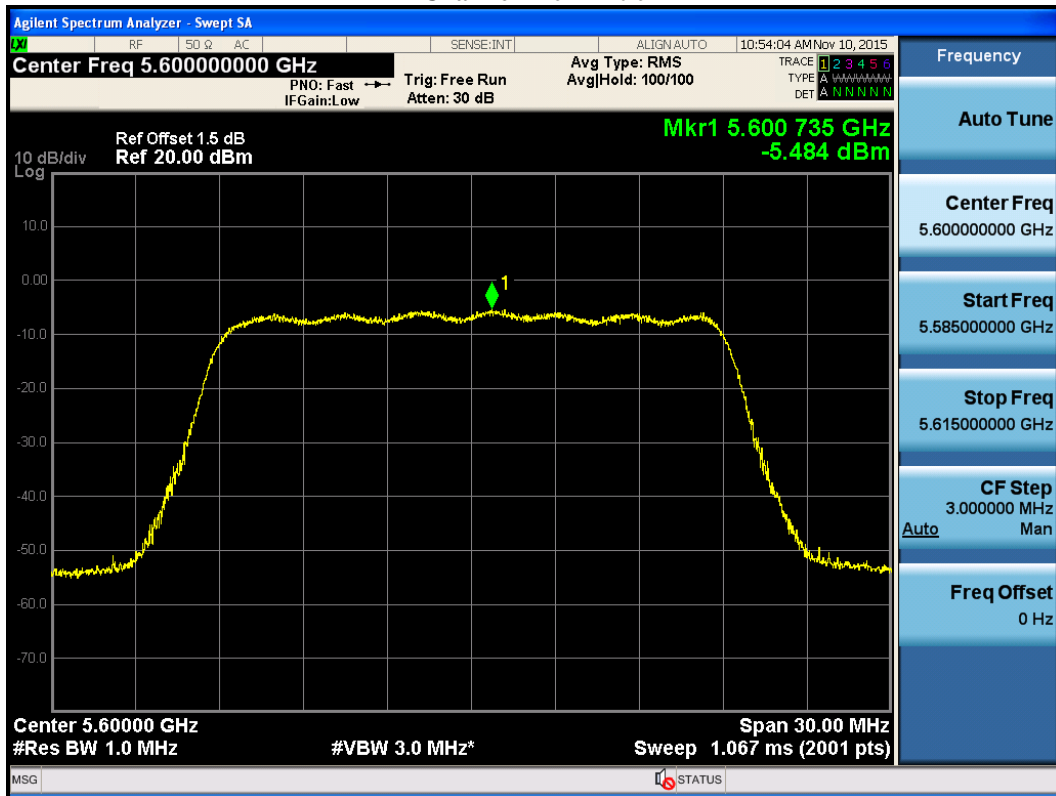
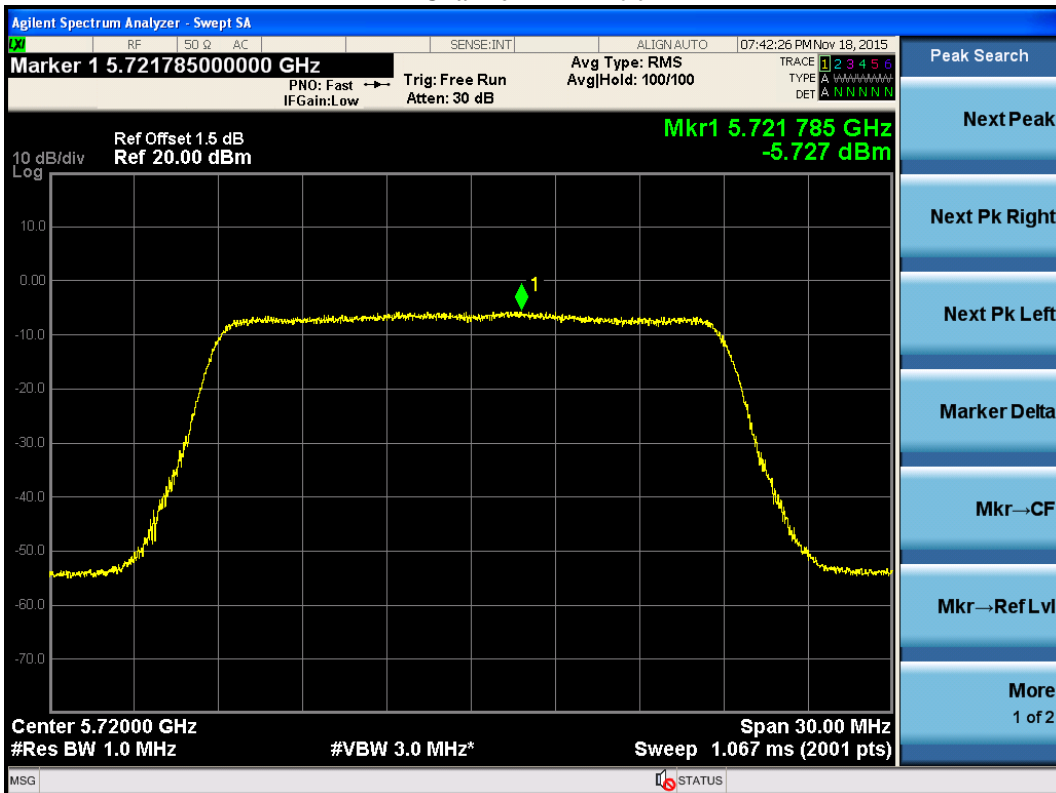


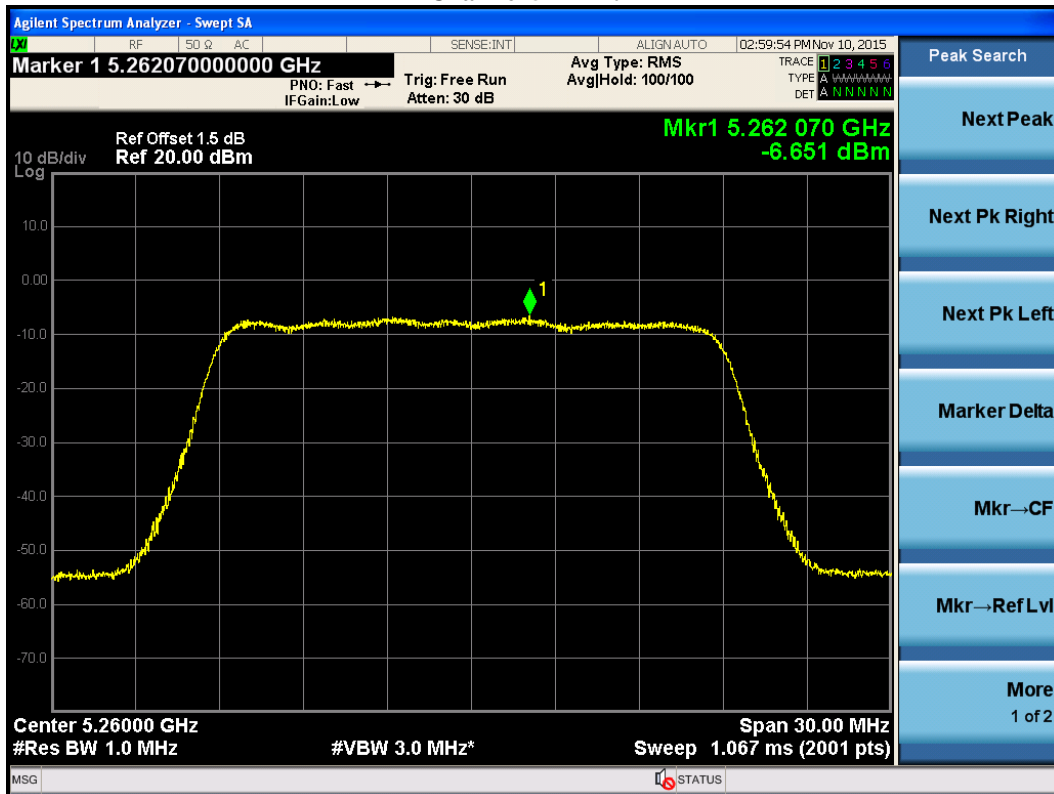
Channel 120- Ant 0



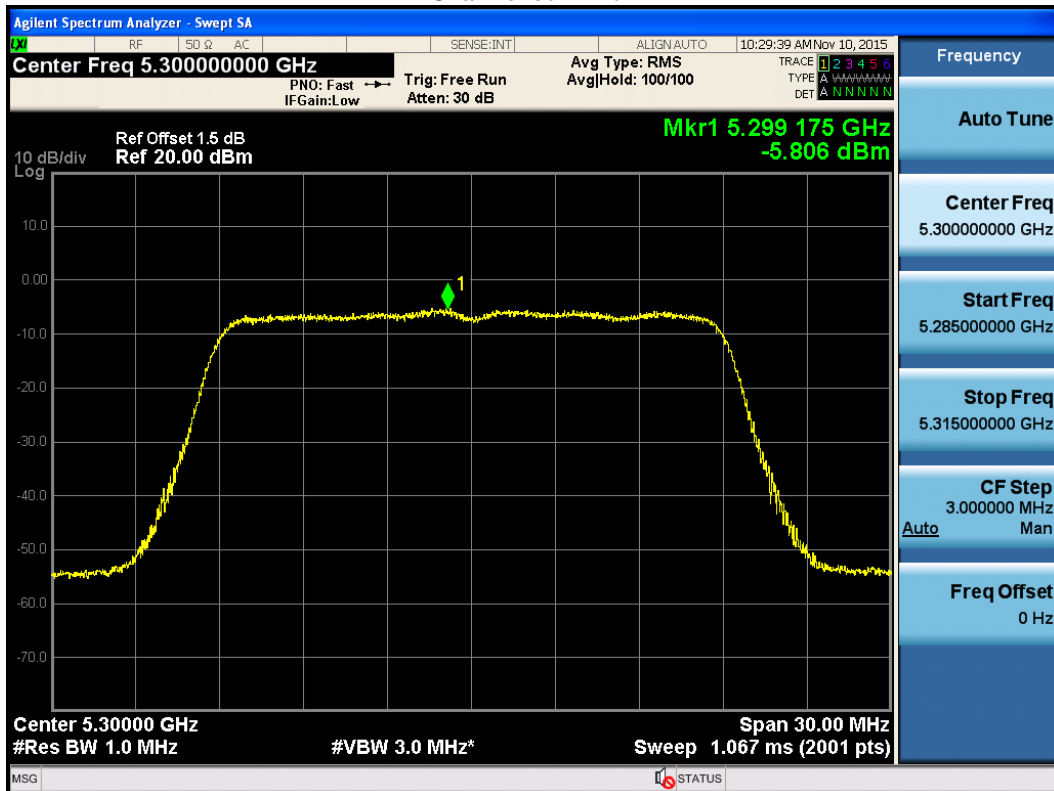
Channel 144- Ant 0



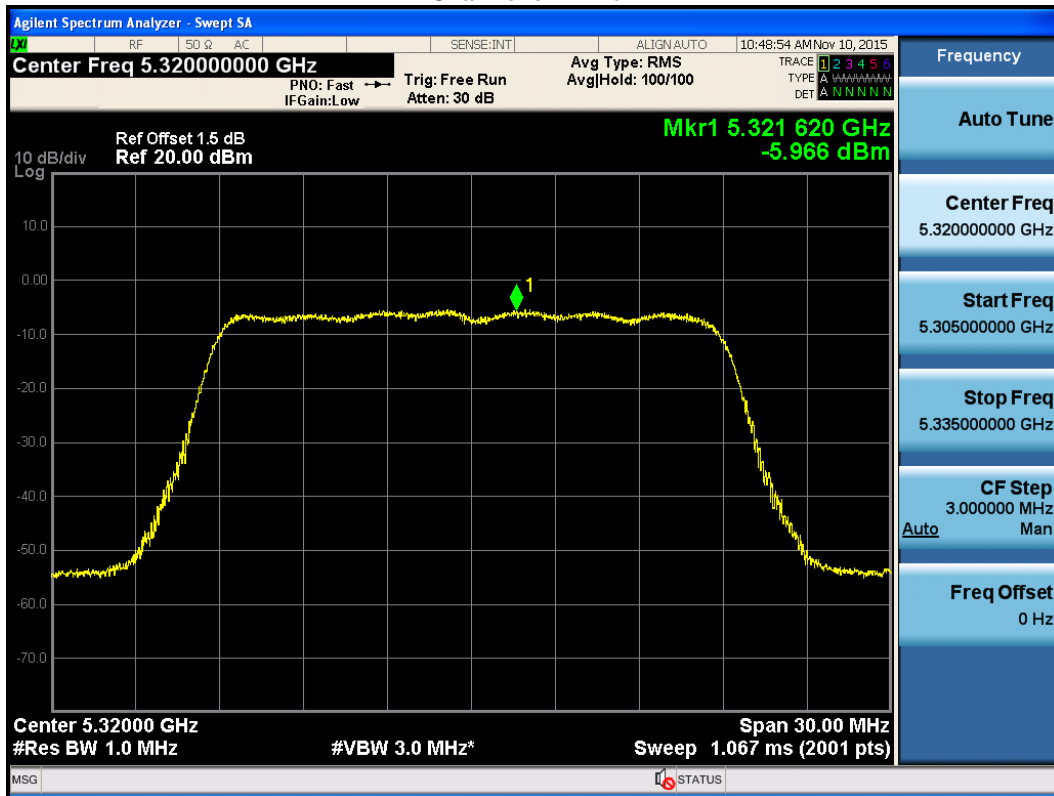
Channel 52- Ant 1



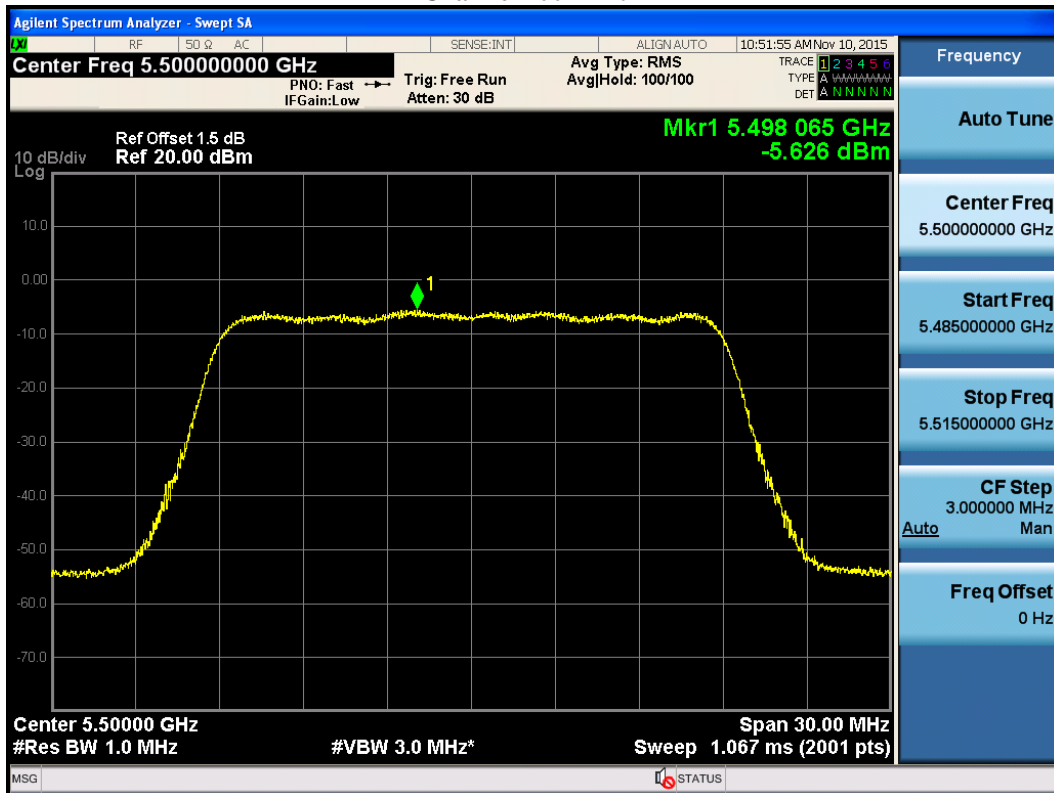
Channel 60- Ant 1



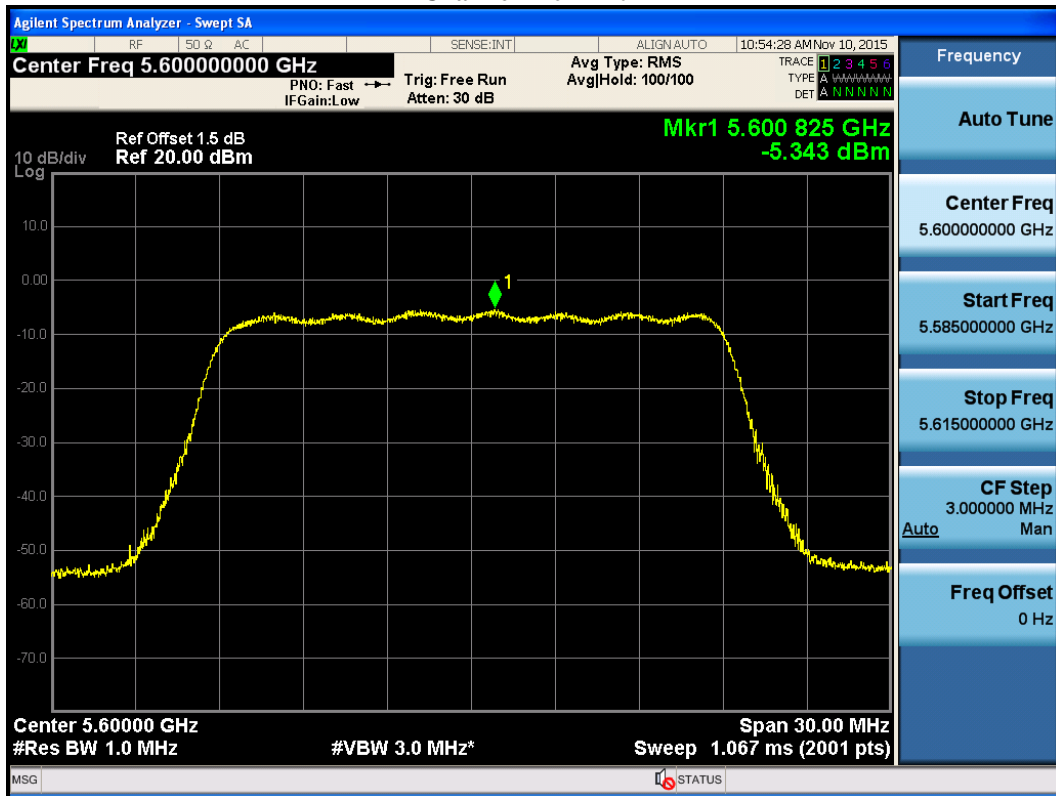
**Channel 64- Ant 1**



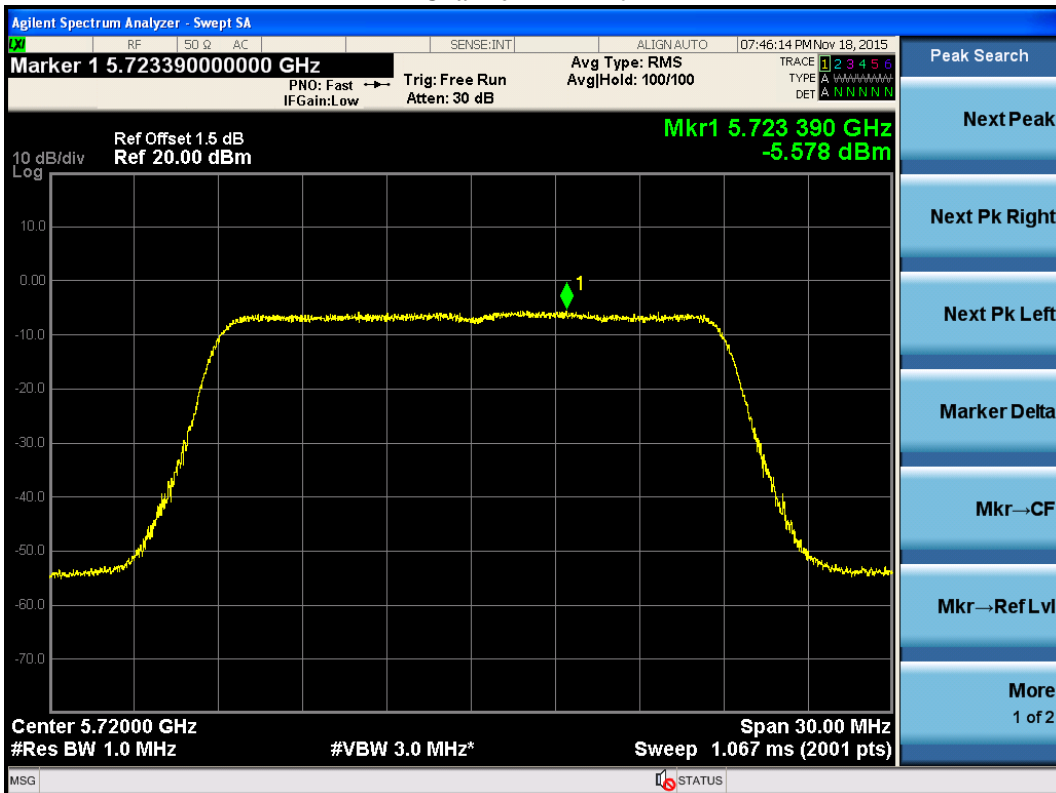
**Channel 100- Ant 1**



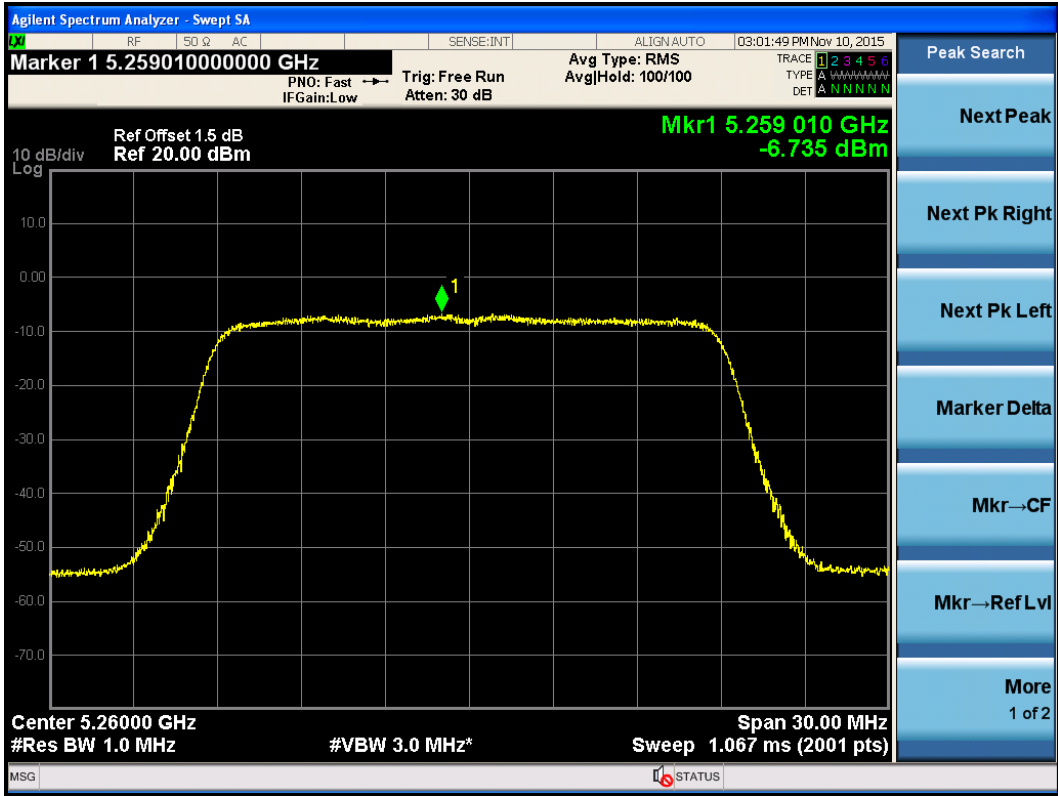
Channel 120- Ant 1



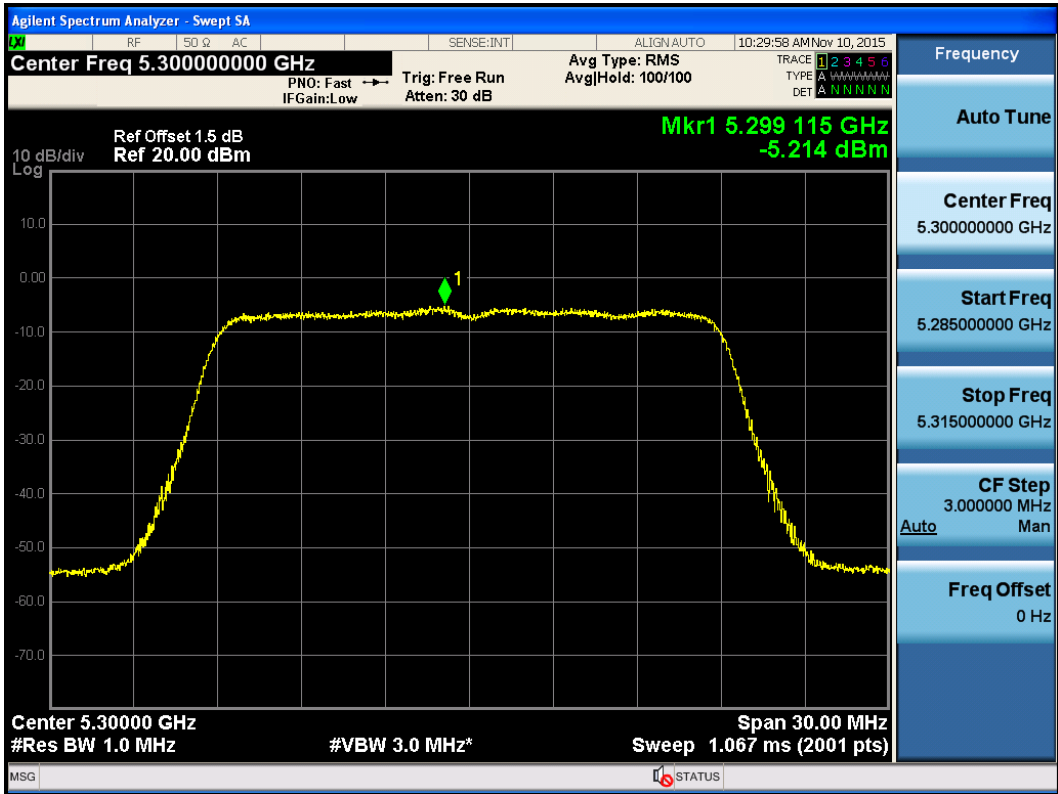
Channel 144- Ant 1



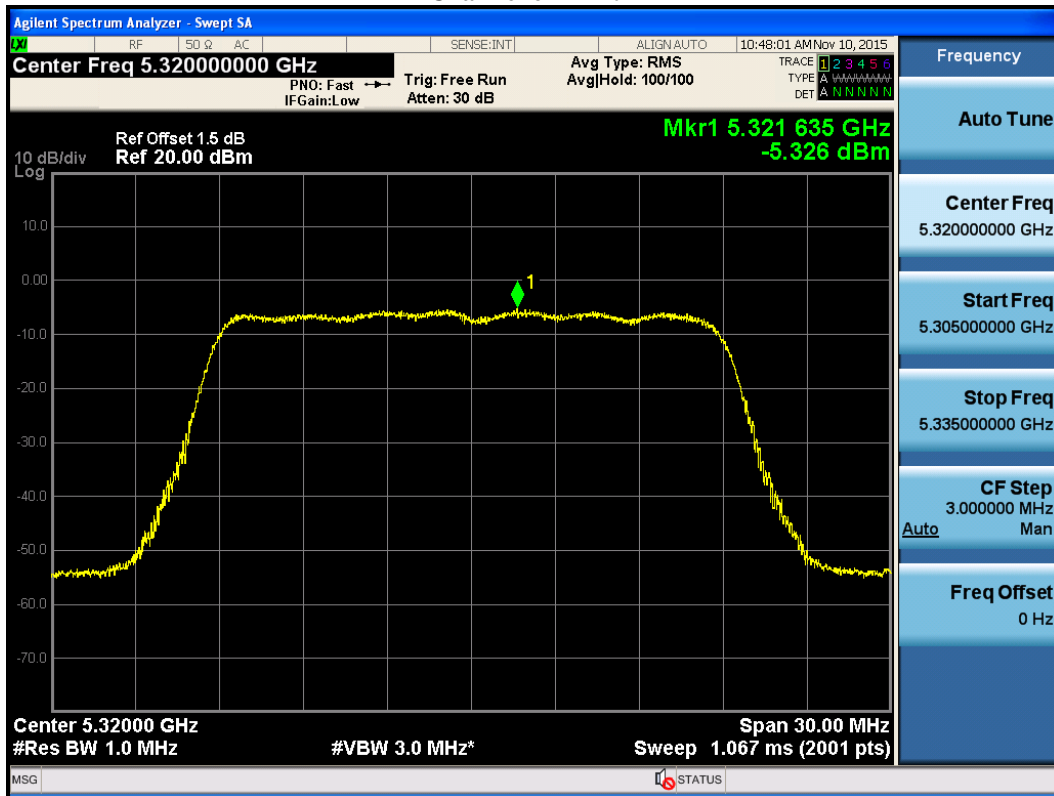
Channel 52- Ant 2



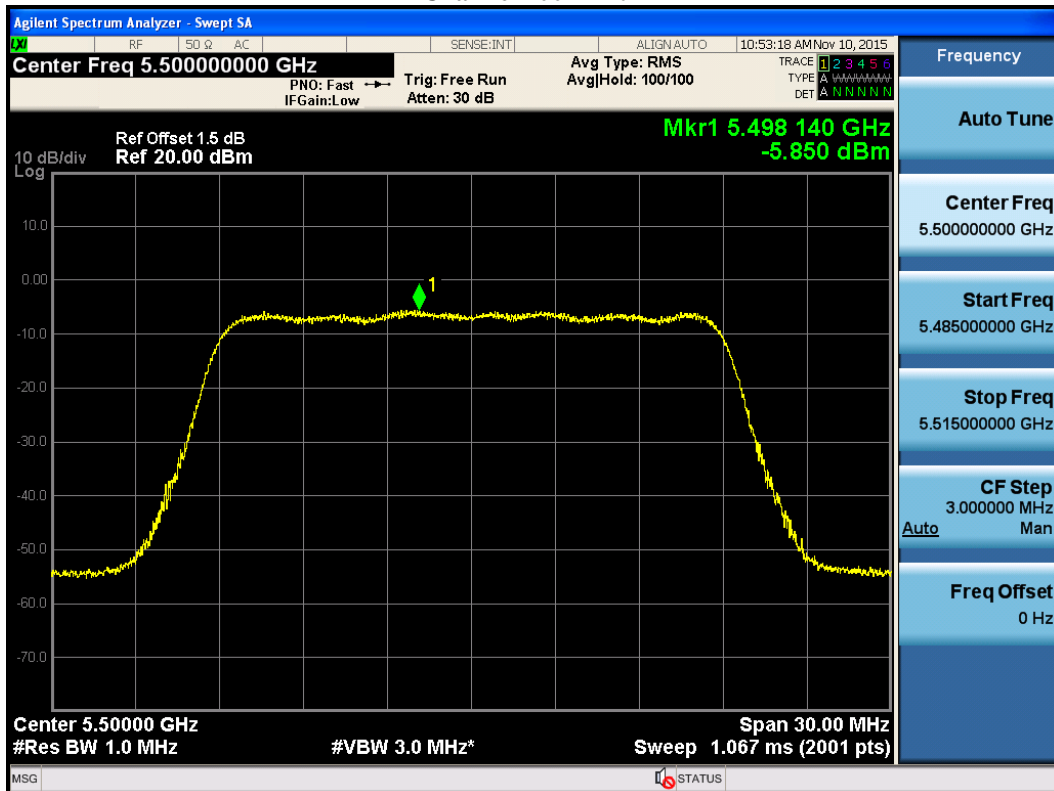
Channel 60- Ant 2



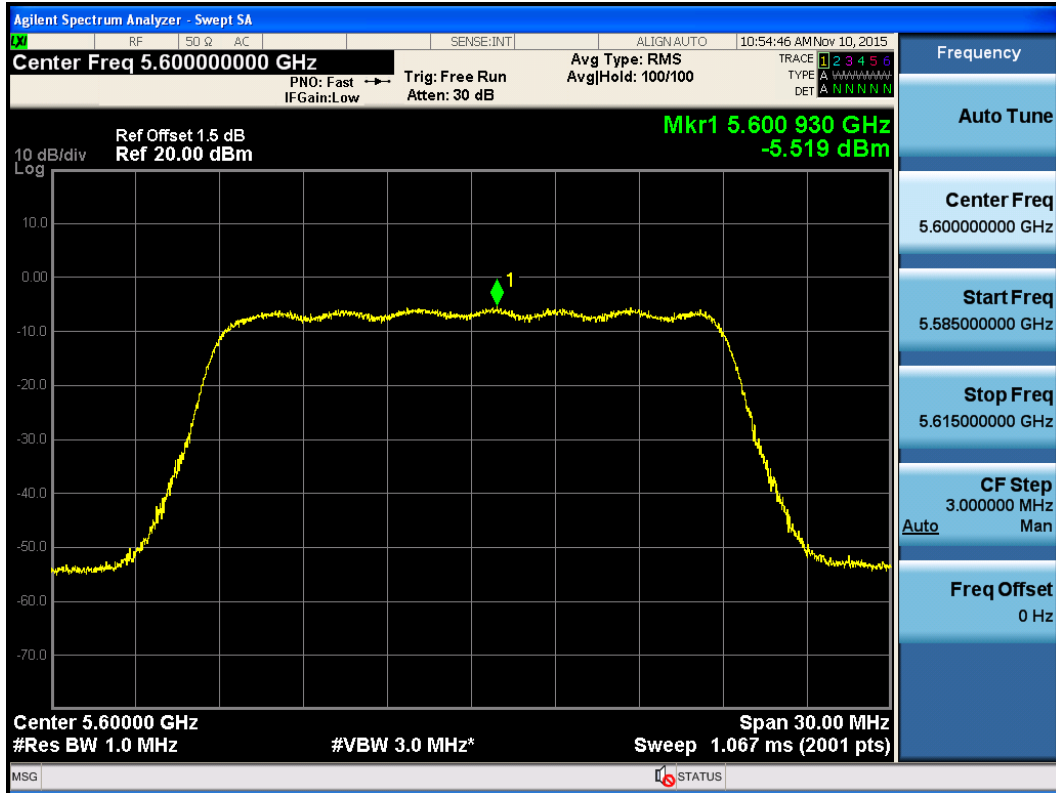
Channel 64- Ant 2



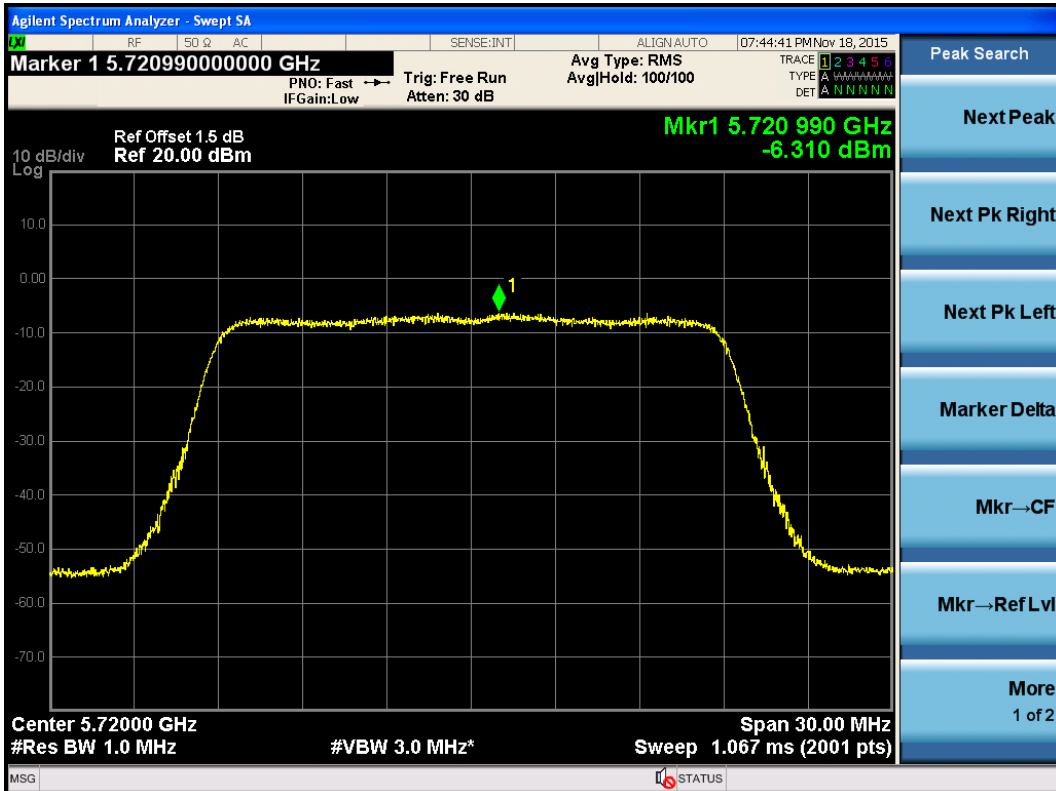
Channel 100- Ant 2



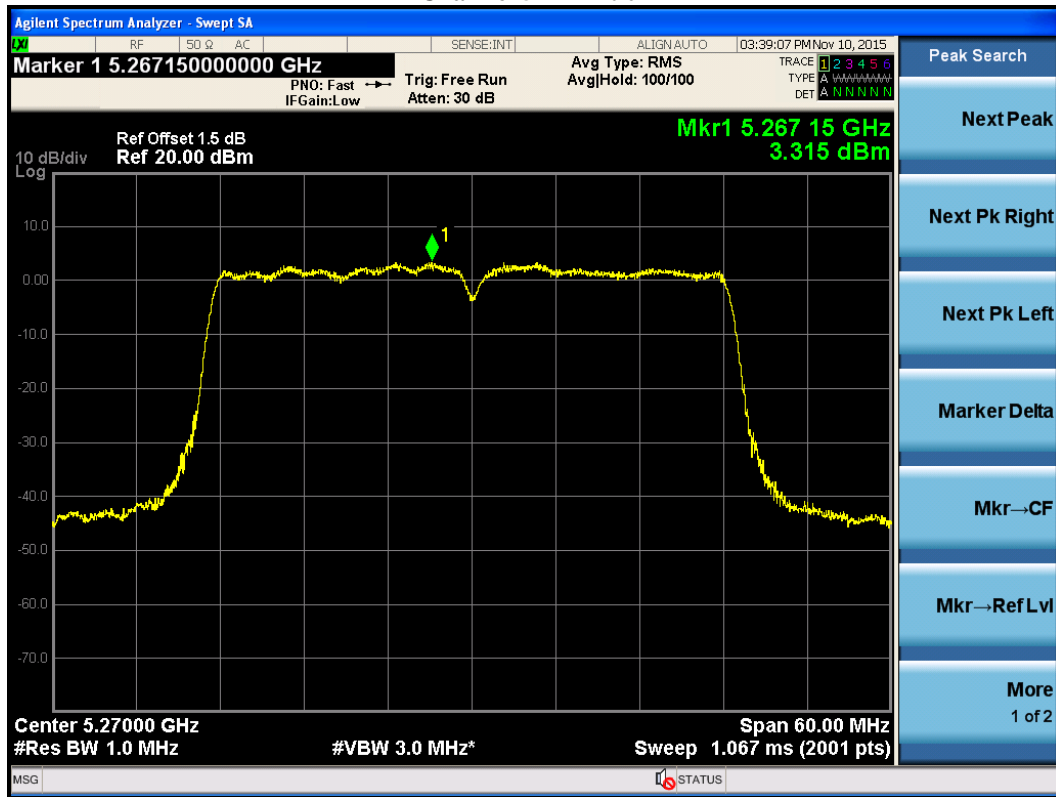
Channel 120- Ant 2



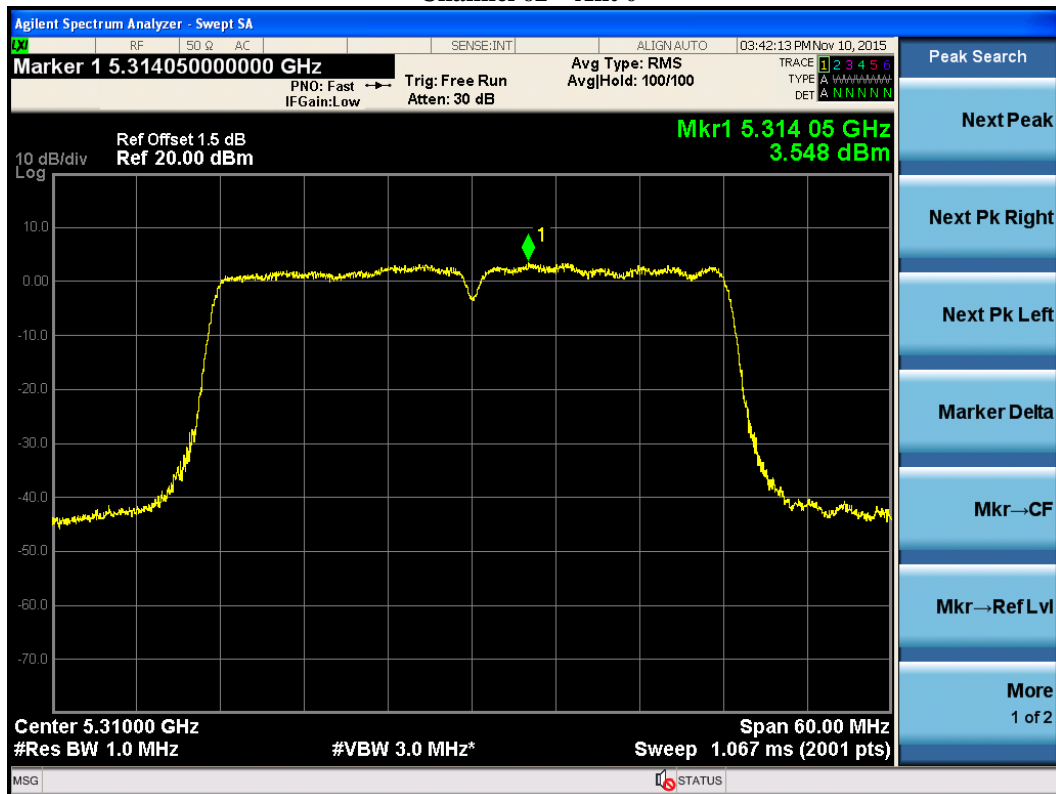
Channel 144- Ant 2



**802.11n40 for mode 6 (2.0dBi antenna)  
Channel 54 – Ant 0**

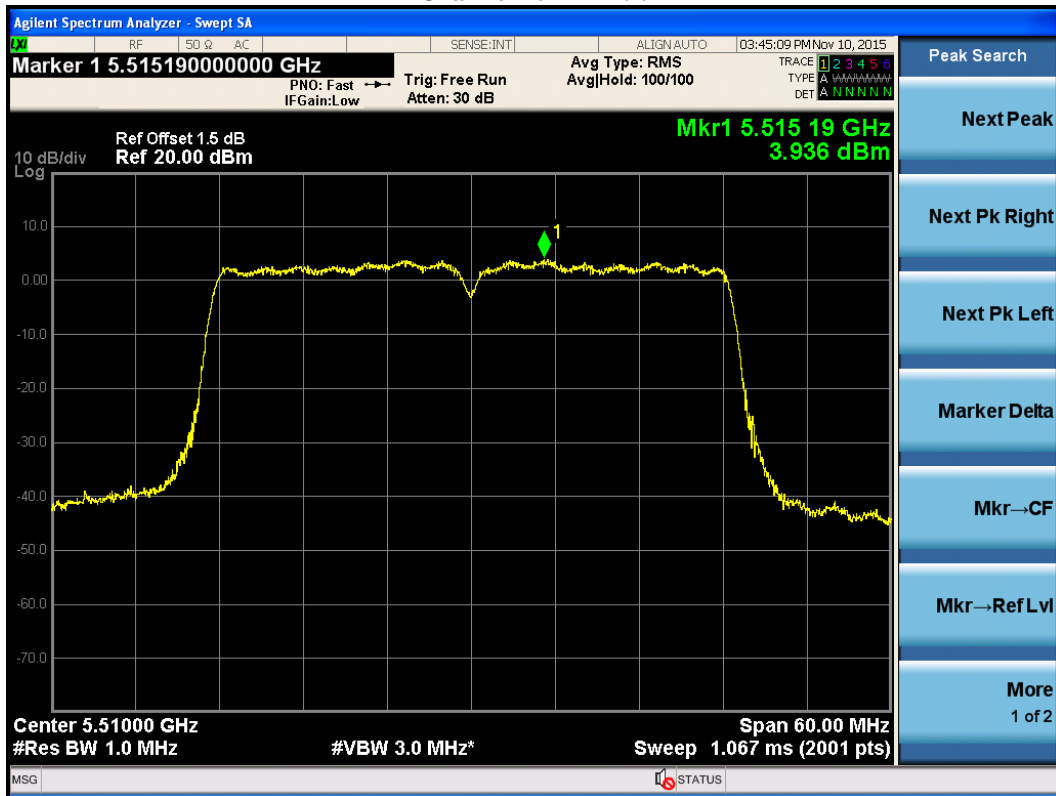


**Channel 62 – Ant 0**

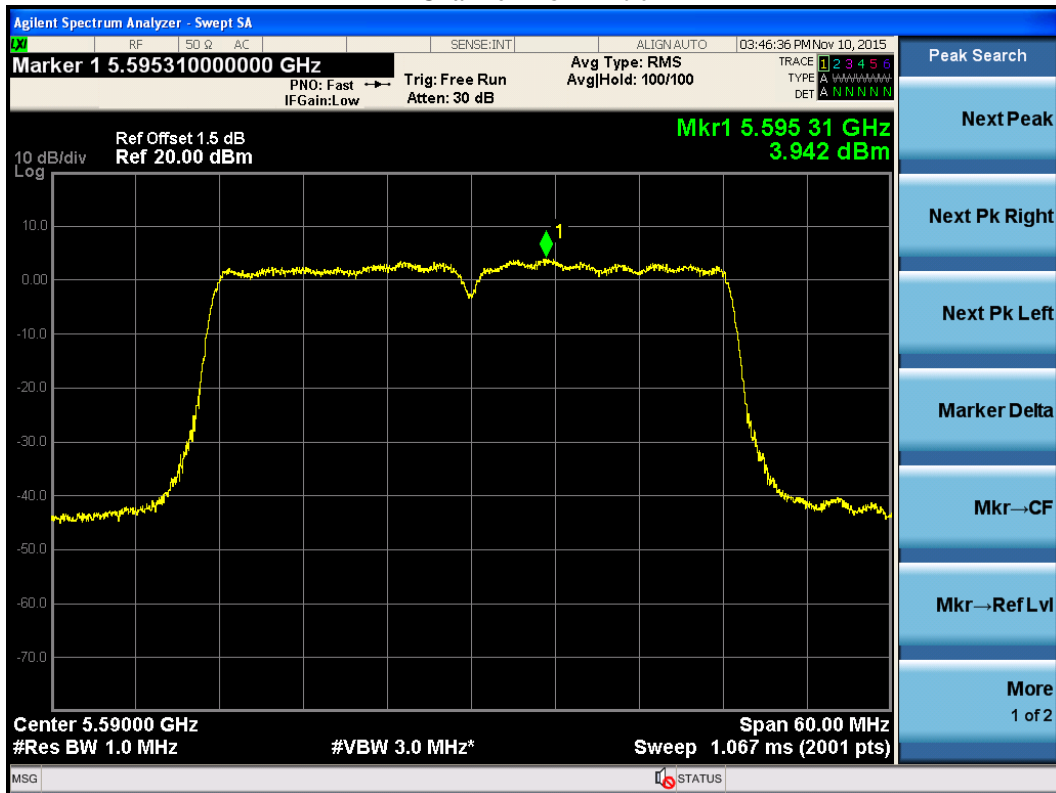




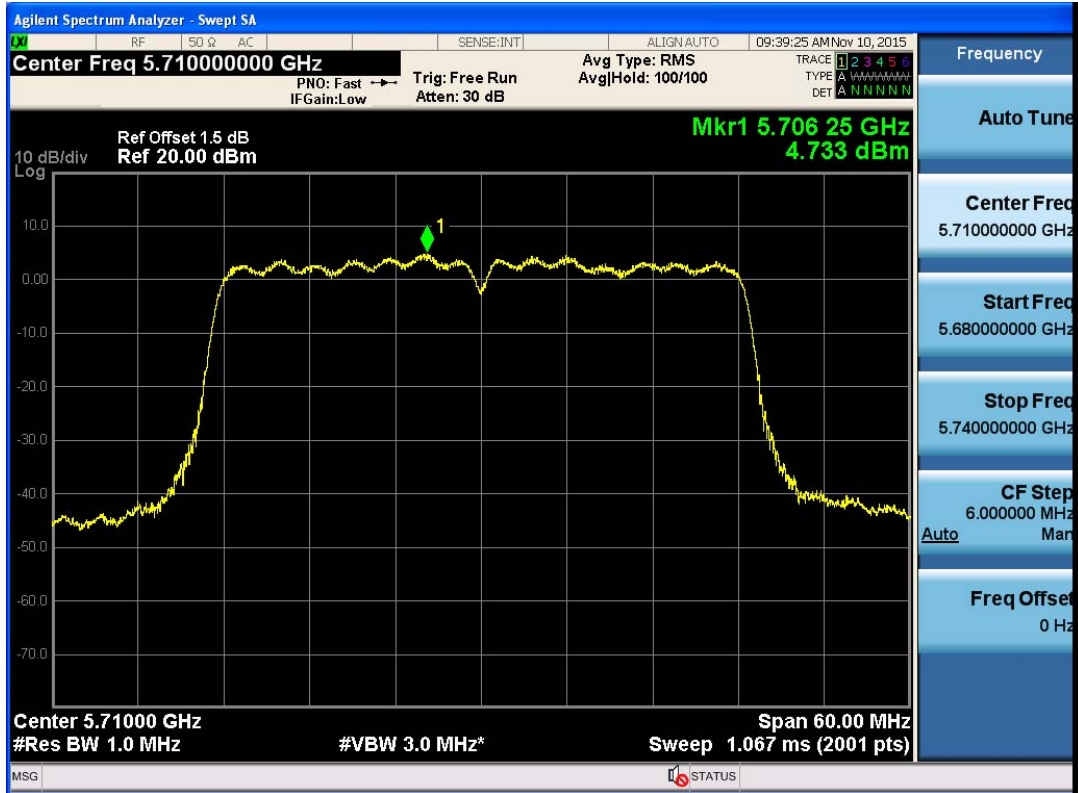
Channel 102 – Ant 0



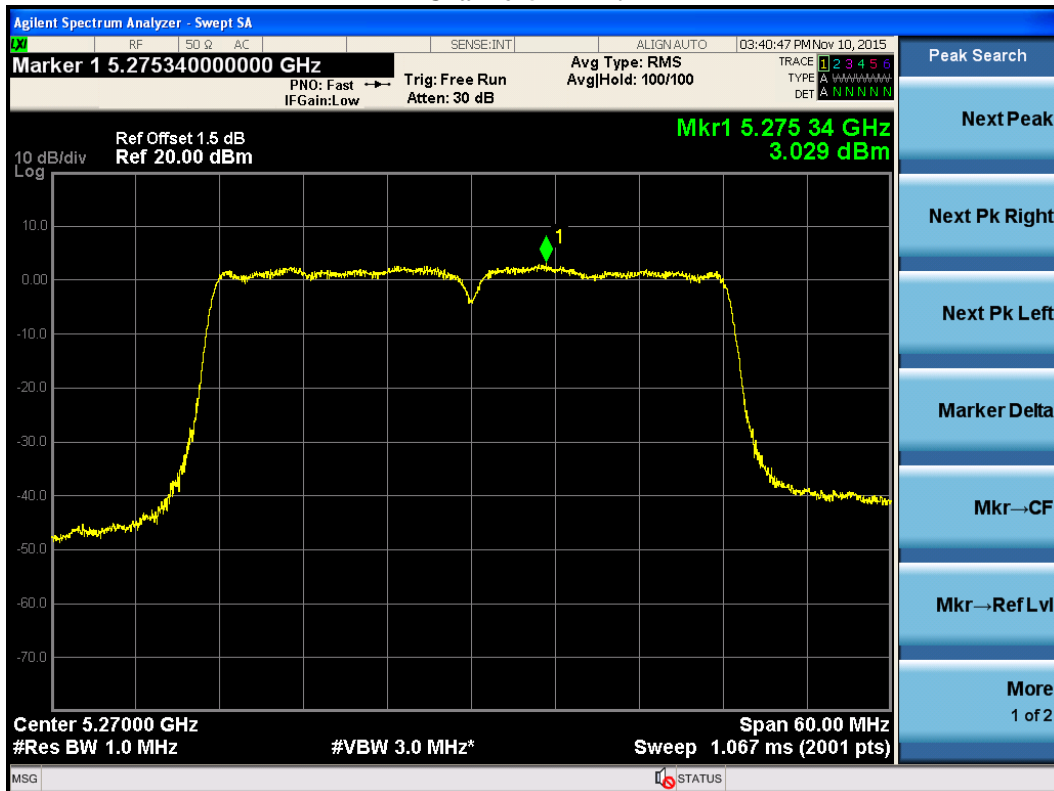
Channel 118 – Ant 0



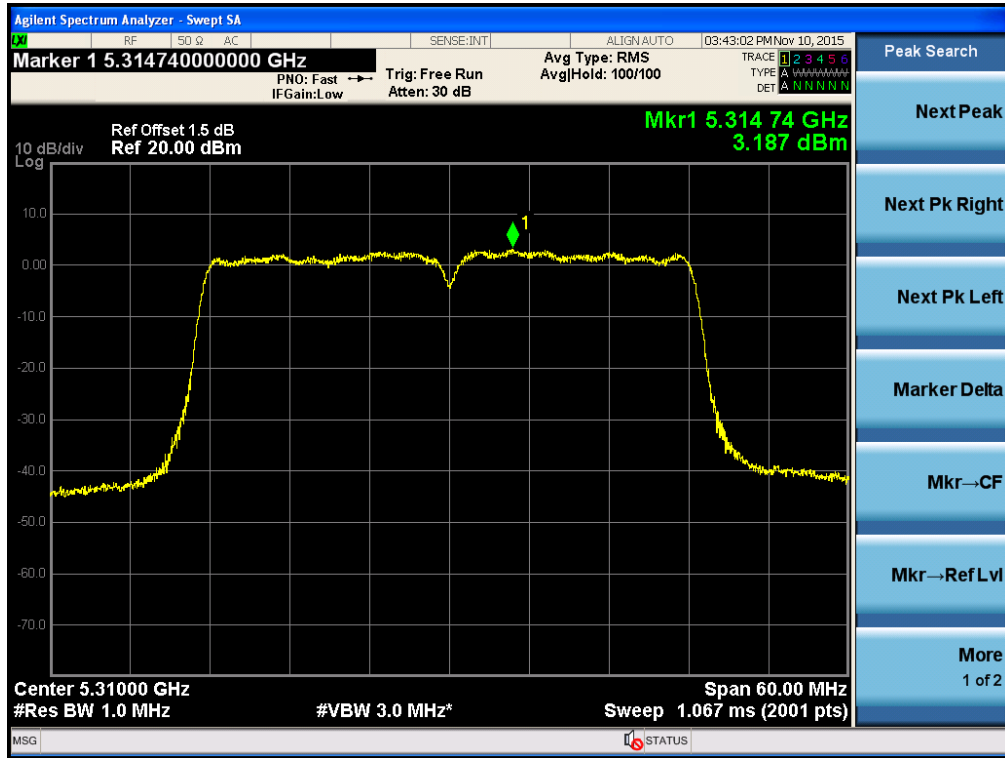
Channel 142 – Ant 0



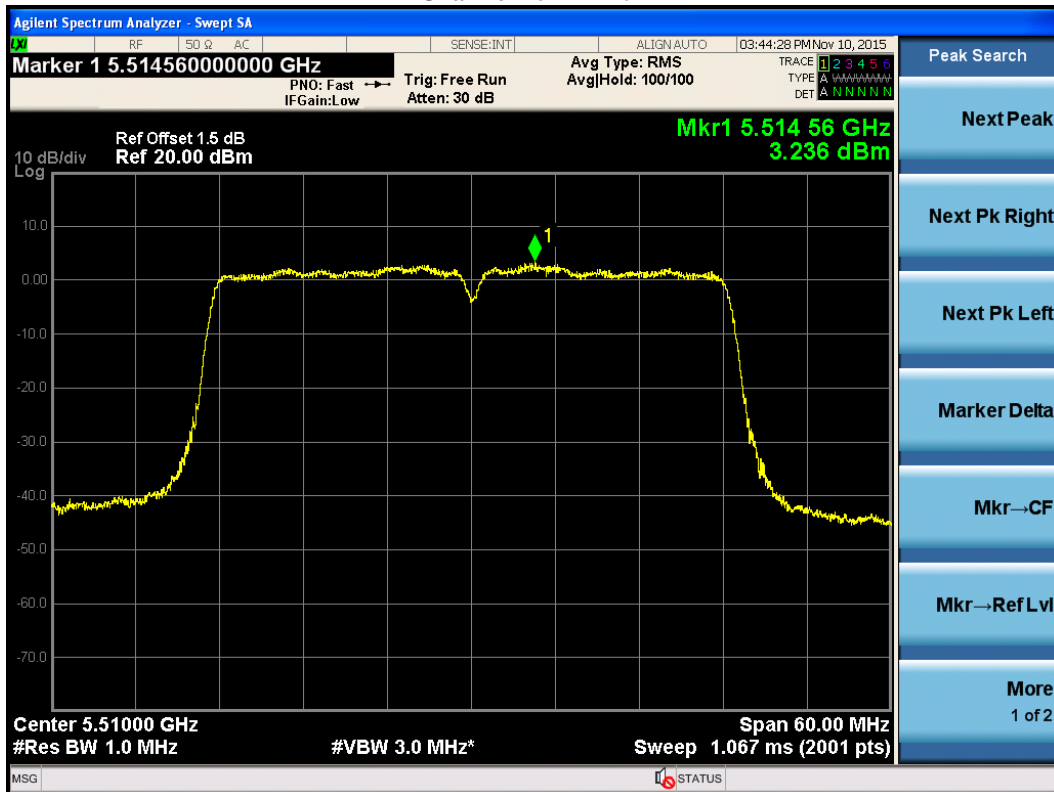
Channel 54 – Ant 1



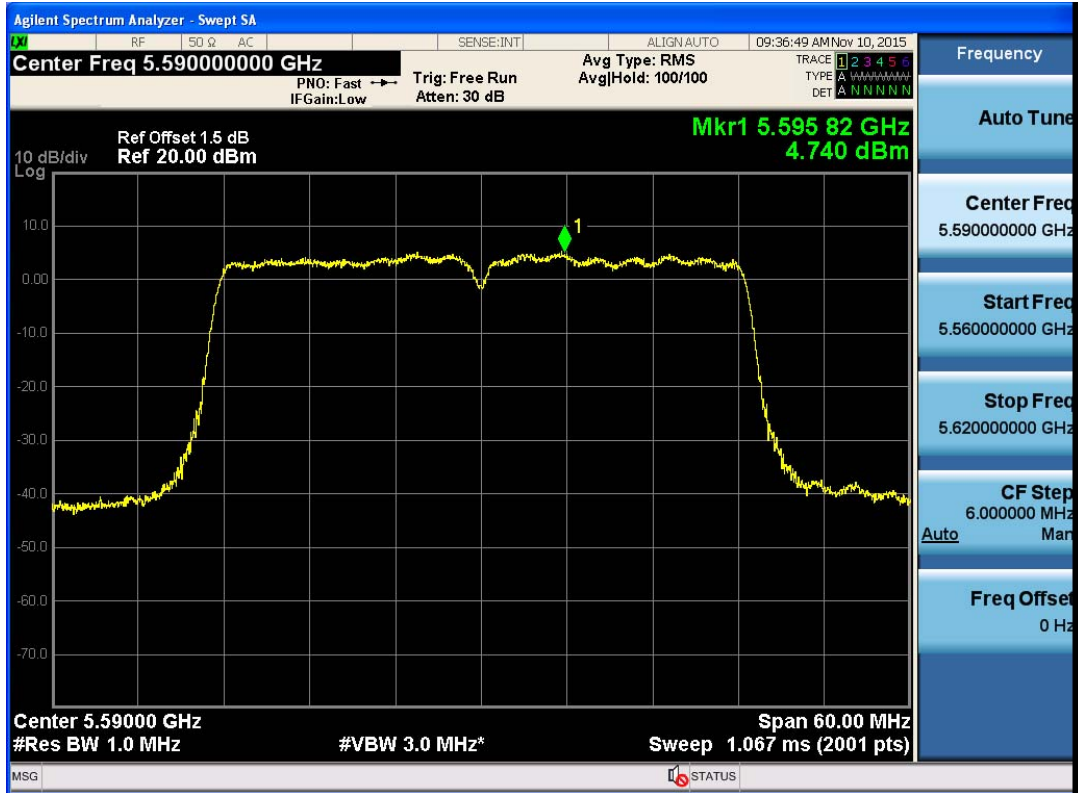
**Channel 62 – Ant 1**



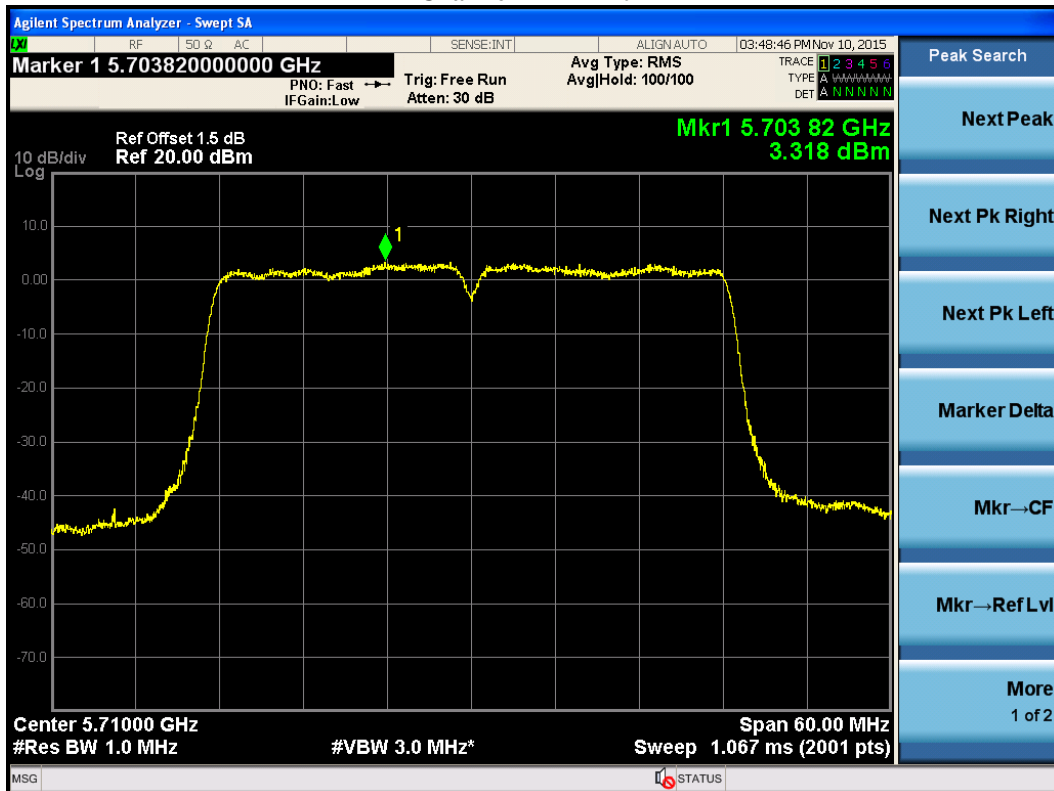
**Channel 102 – Ant 1**



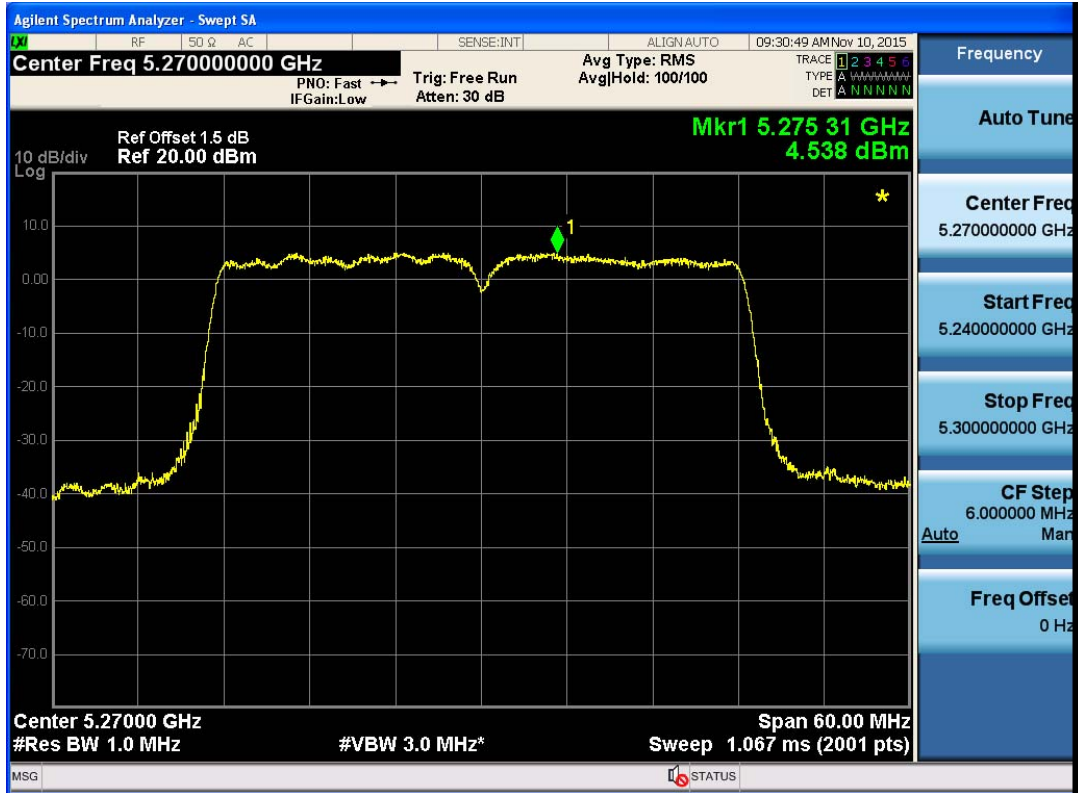
### Channel 118 – Ant 1



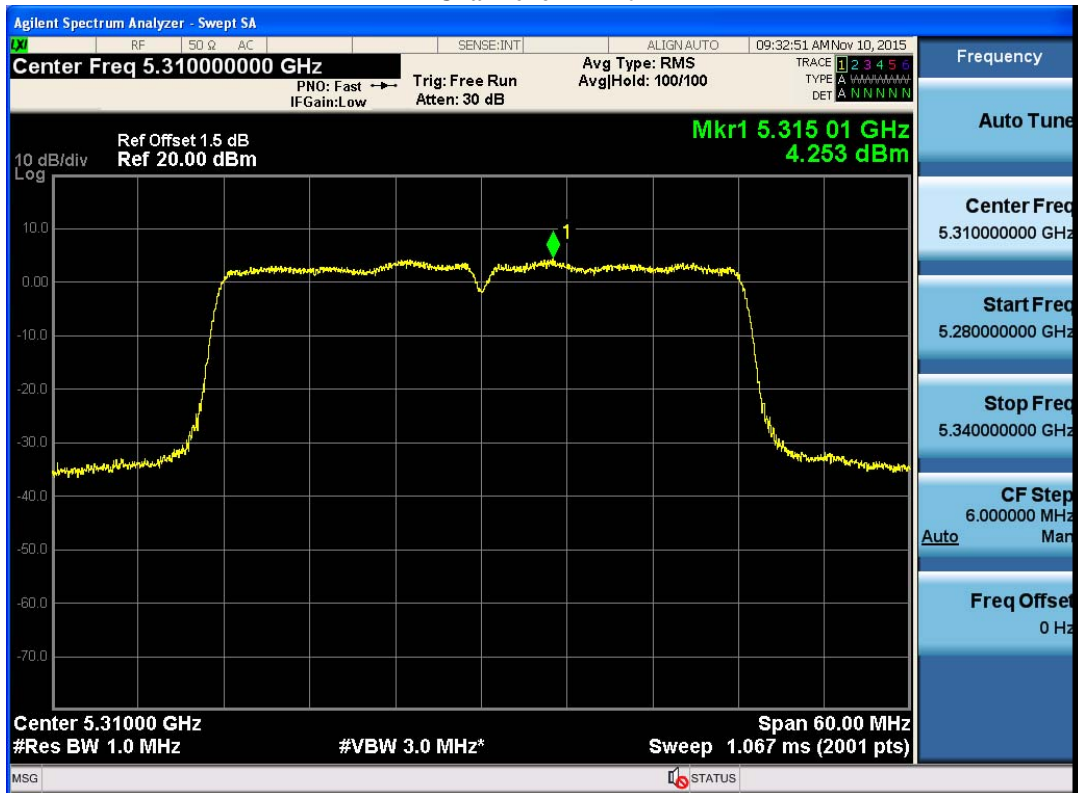
### Channel 142 – Ant 1



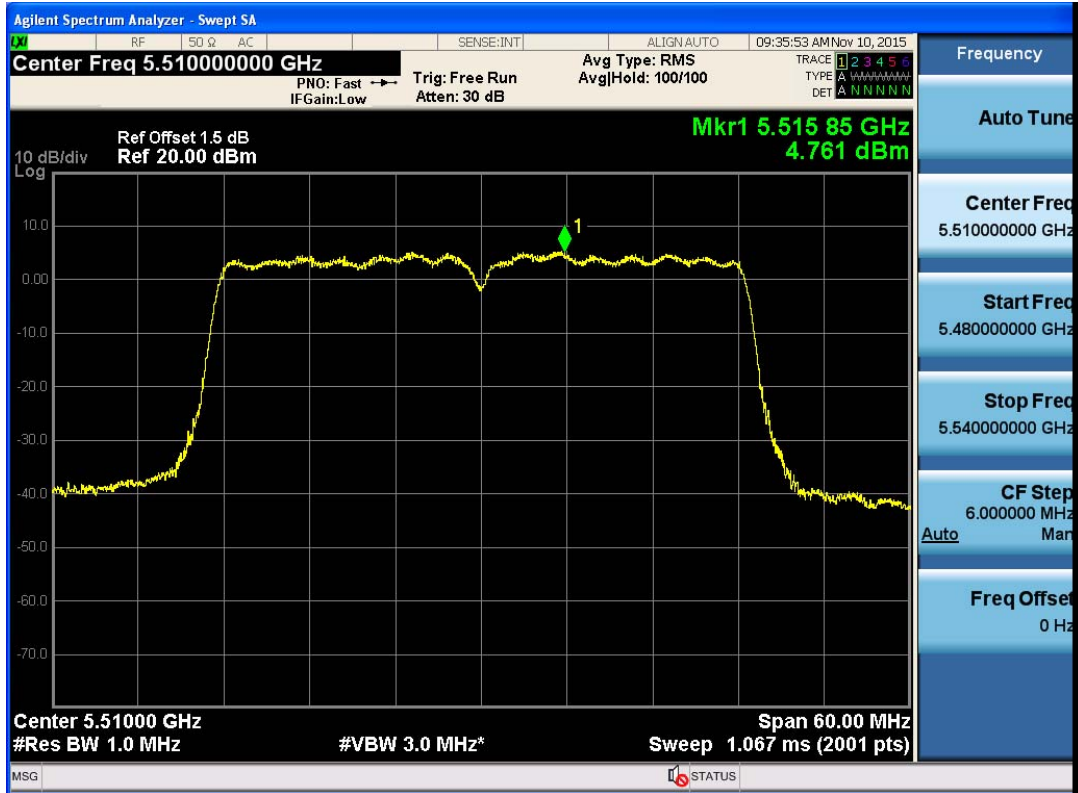
**Channel 54 – Ant 2**



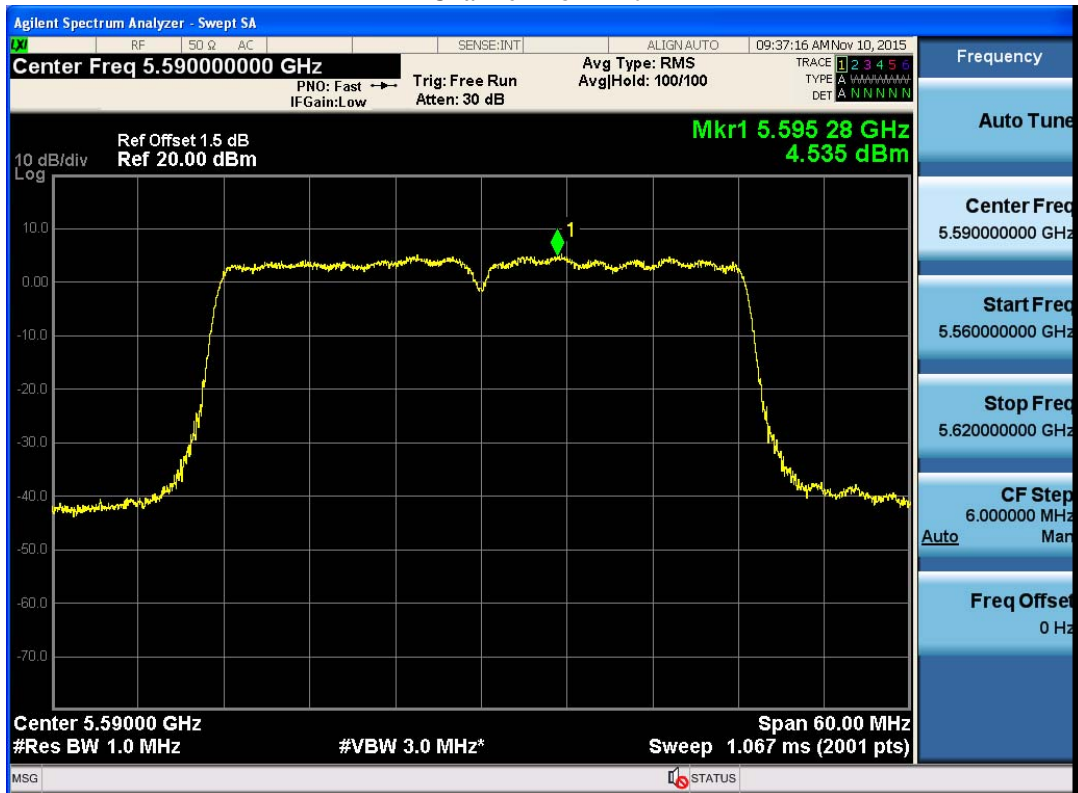
**Channel 62 – Ant 2**



**Channel 102 – Ant 2**

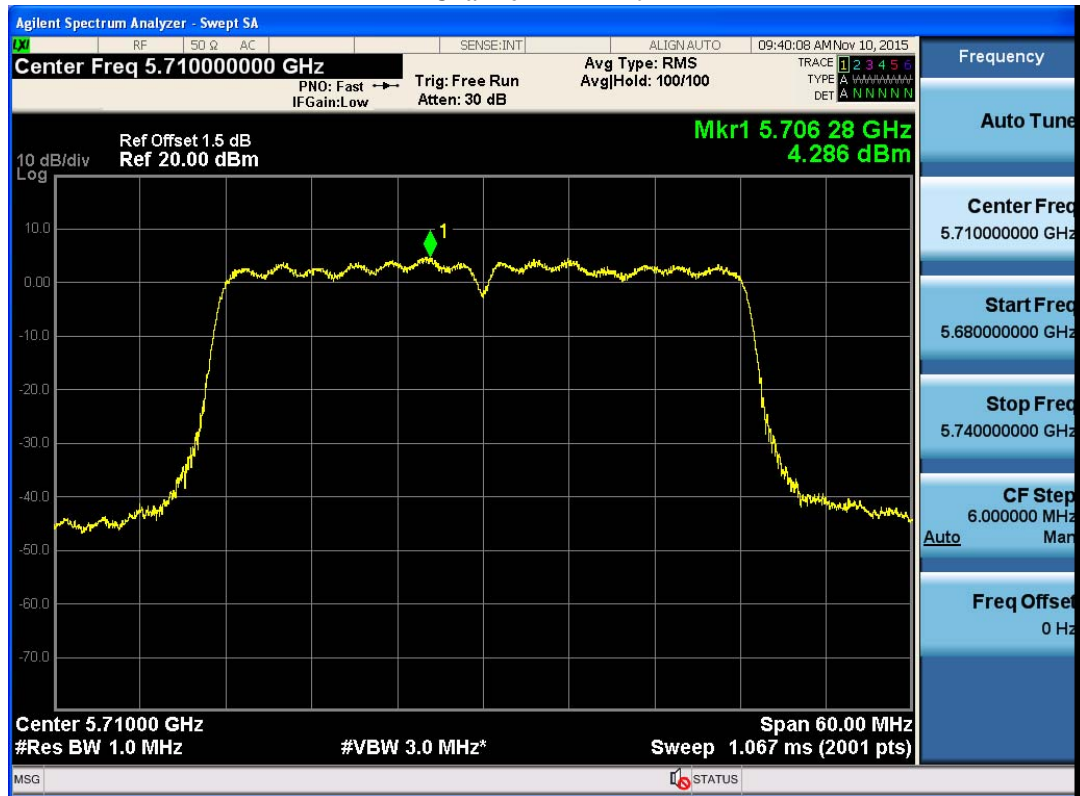


**Channel 118 – Ant 2**

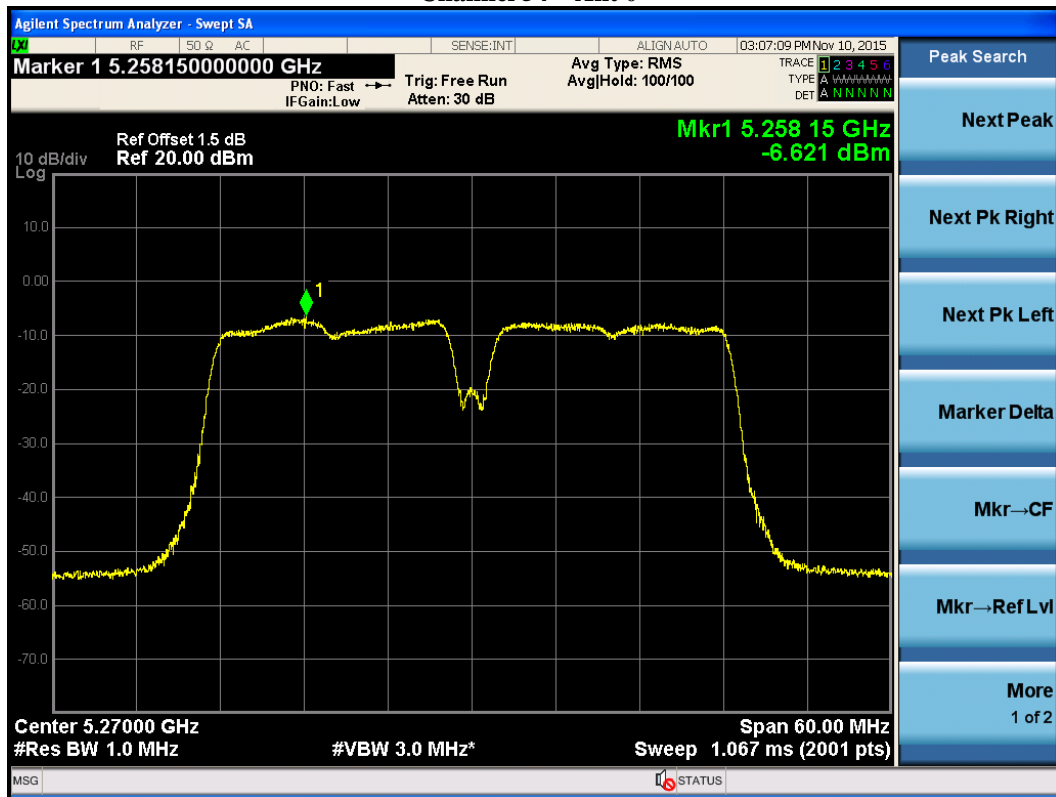




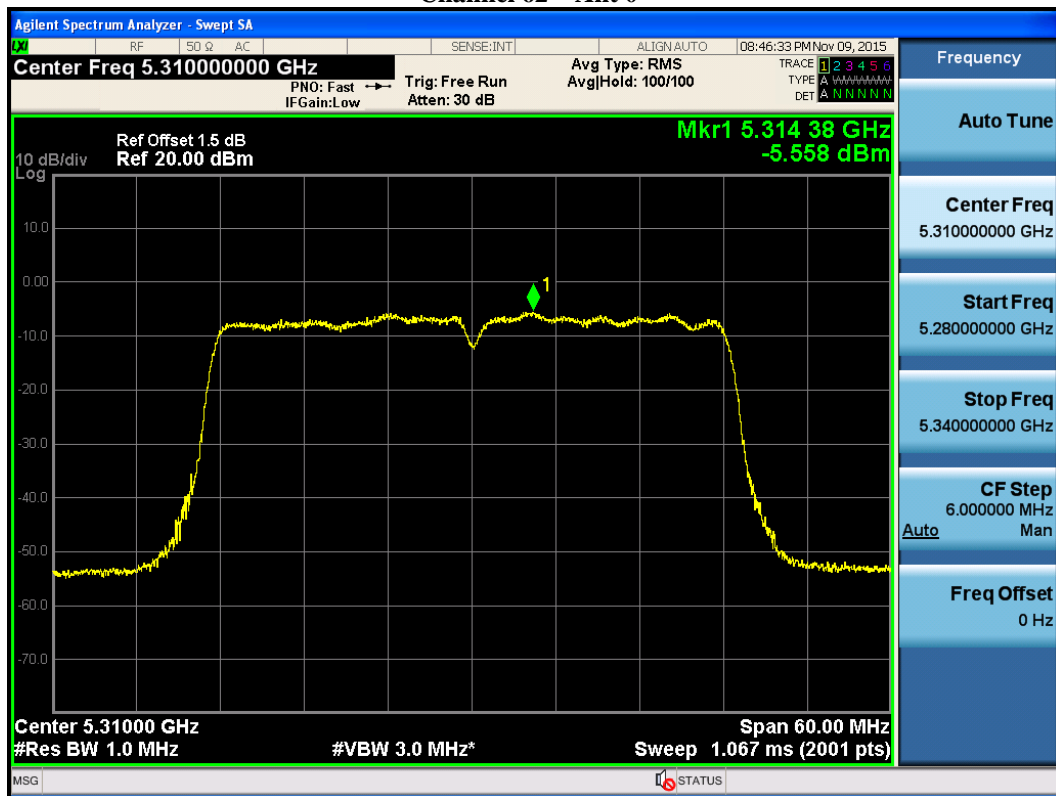
**Channel 142 – Ant 2**



802.11n40 for mode 17 (14.0dBi antenna)  
Channel 54 – Ant 0

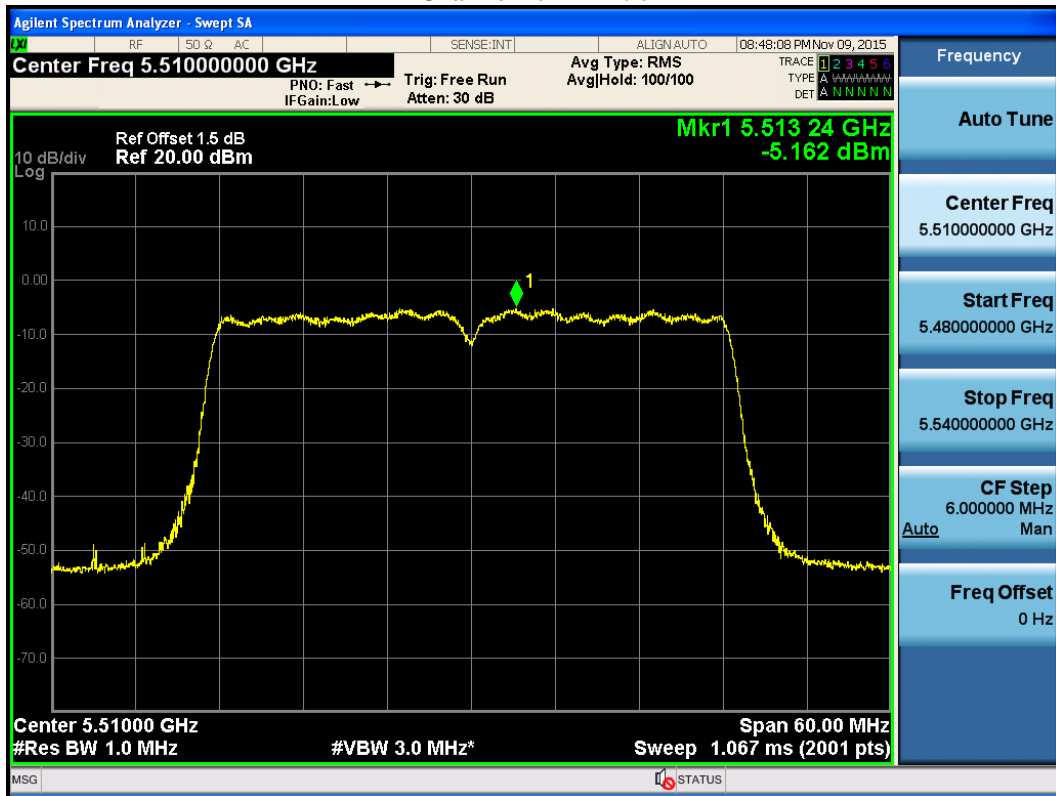


Channel 62 – Ant 0

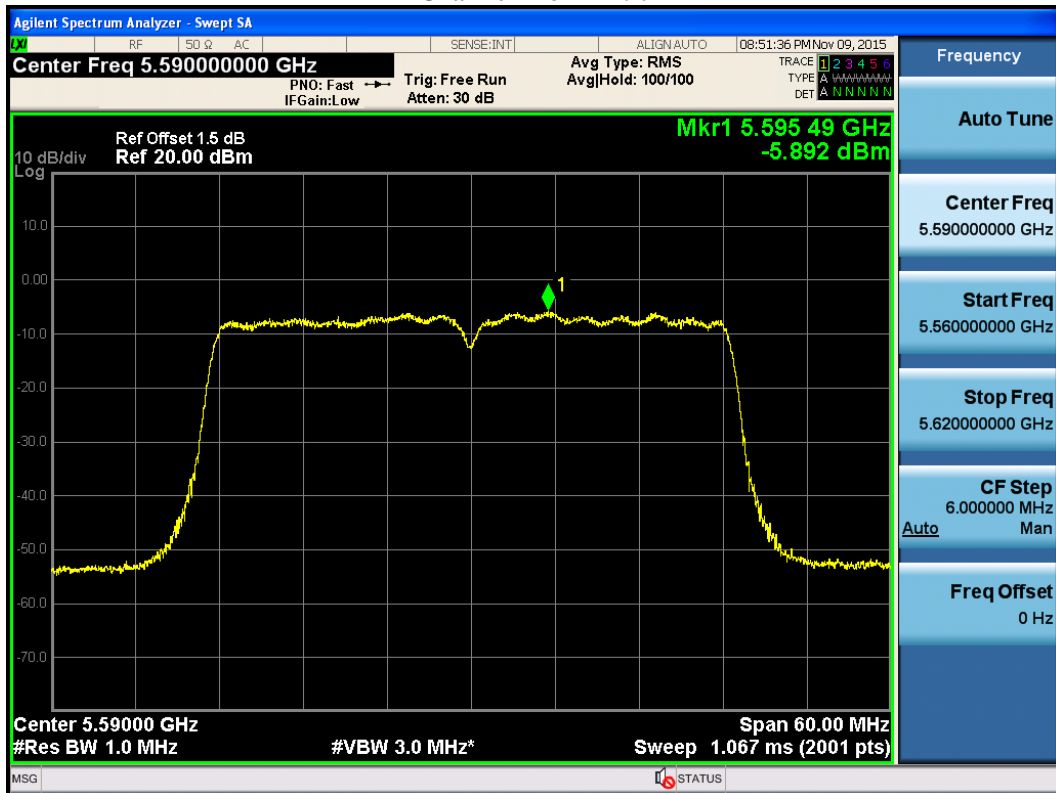




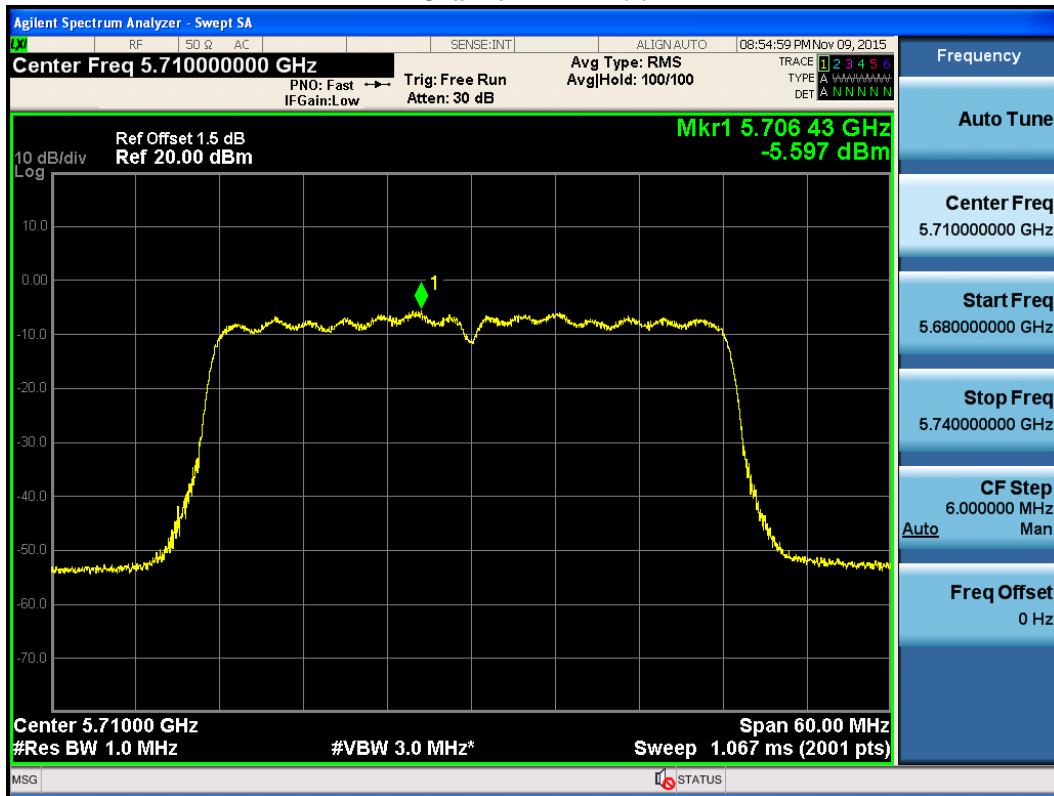
Channel 102 – Ant 0



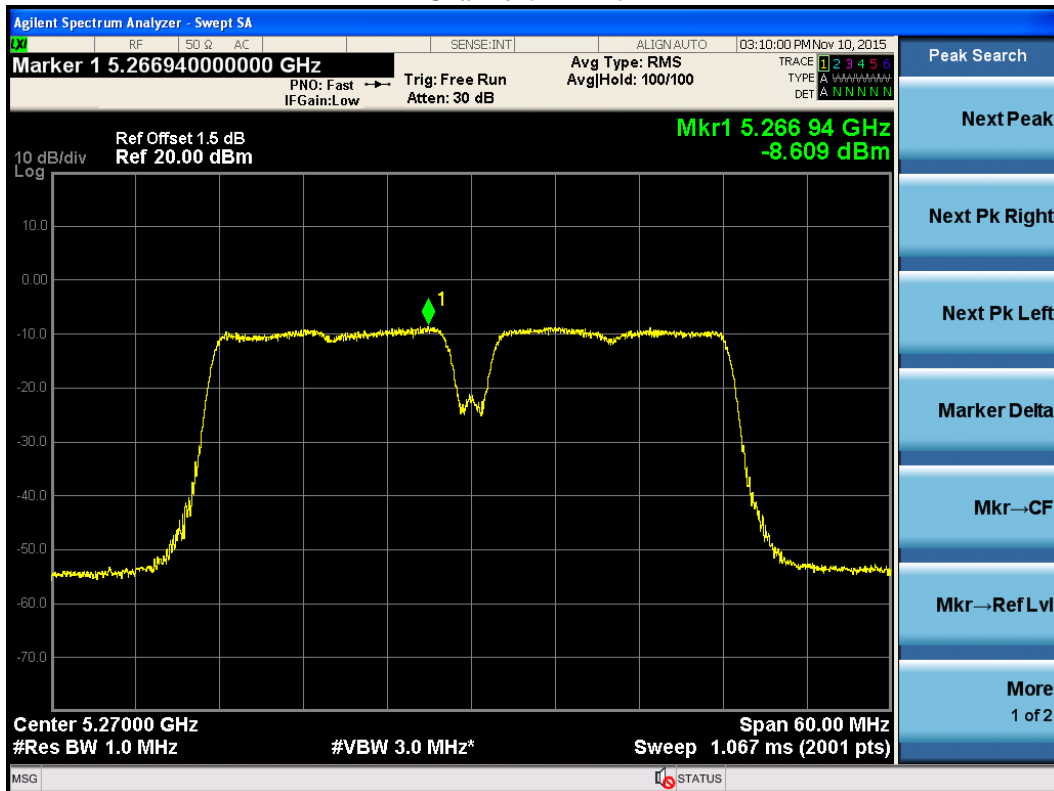
Channel 118 – Ant 0



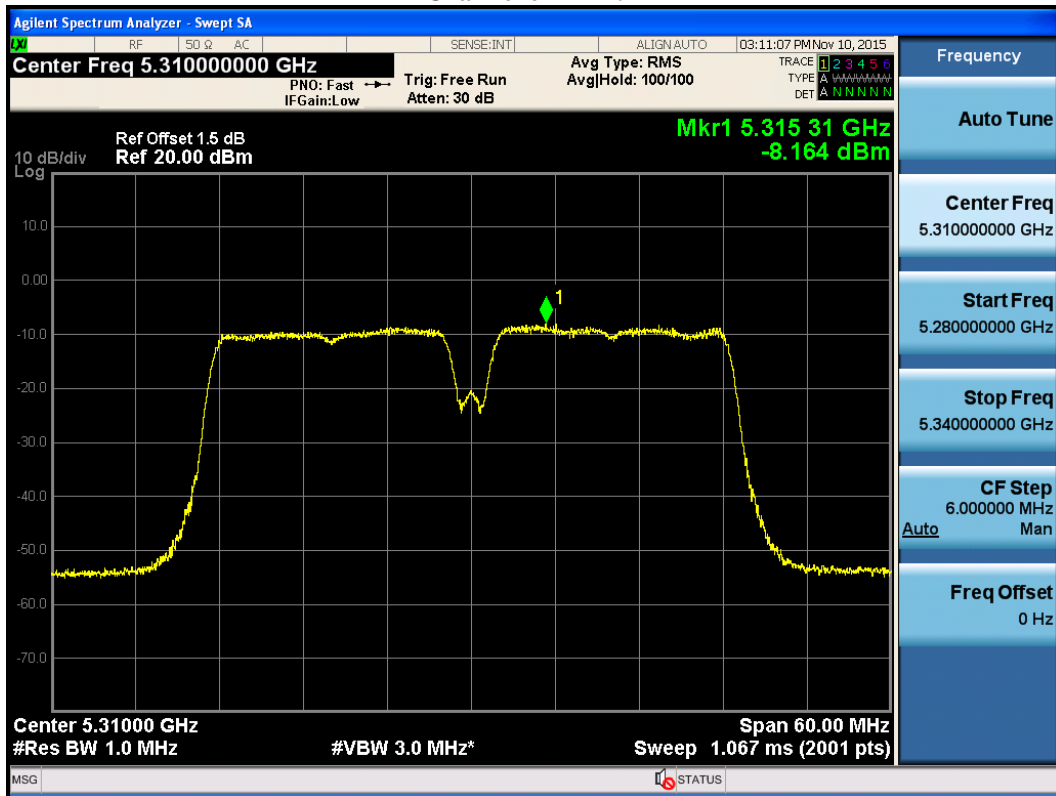
**Channel 142 – Ant 0**



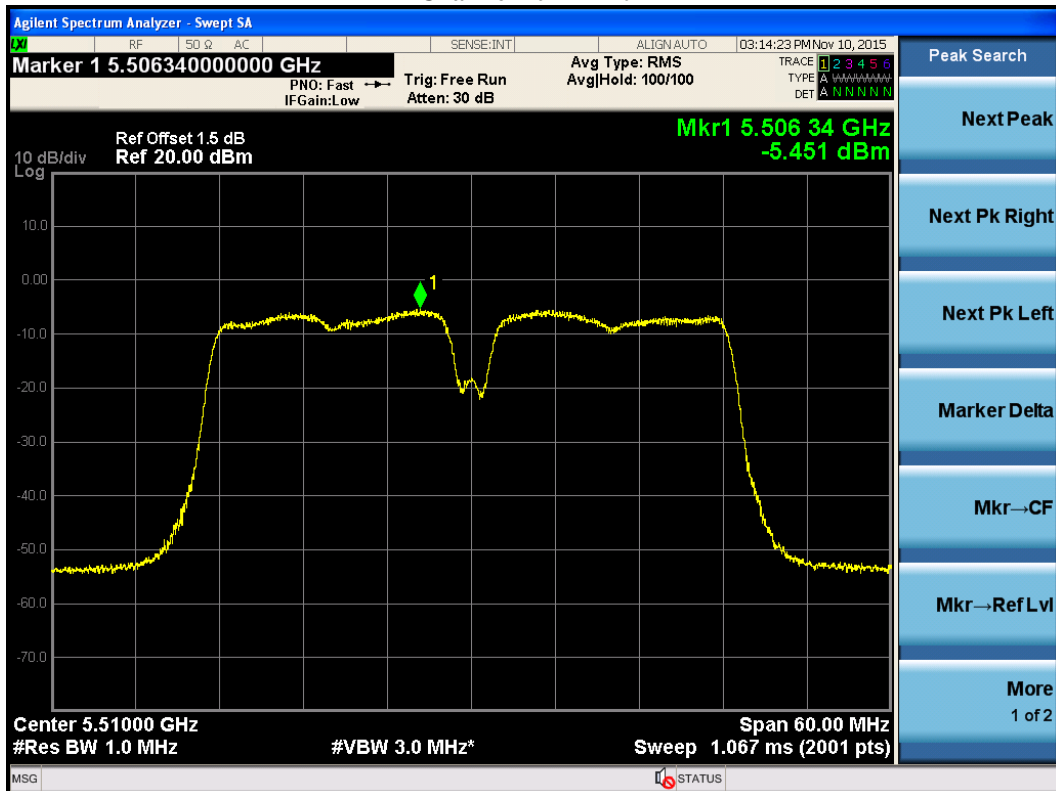
**Channel 54 – Ant 1**



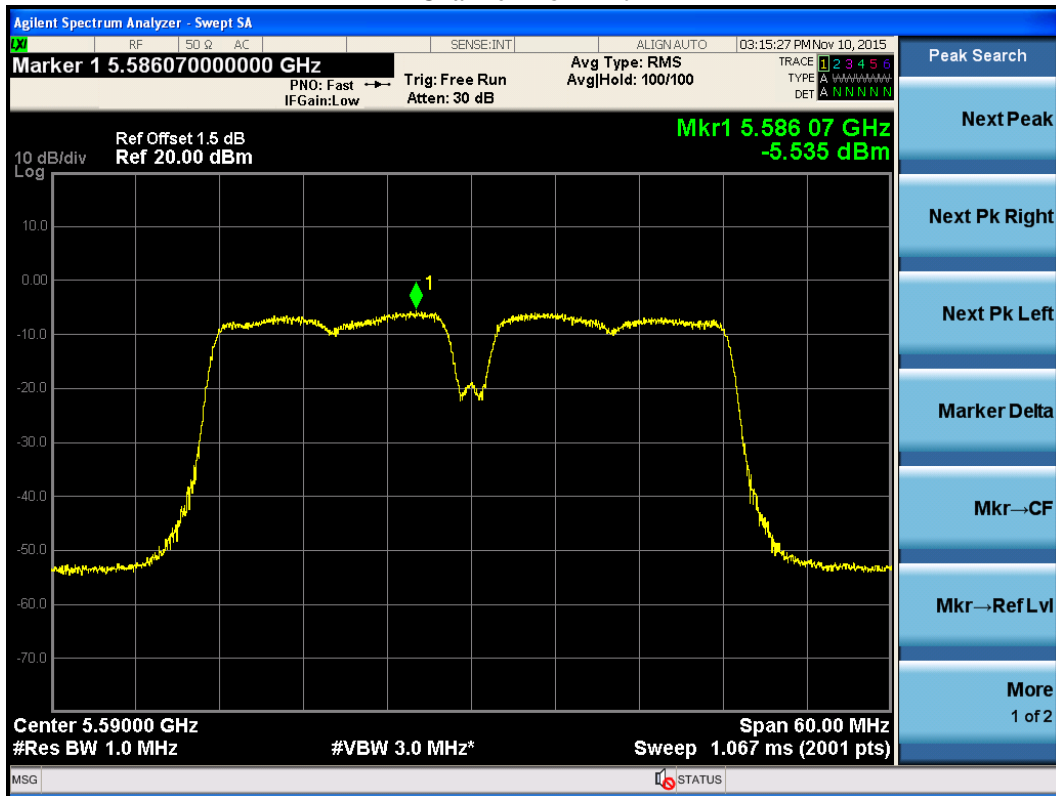
**Channel 62 – Ant 1**



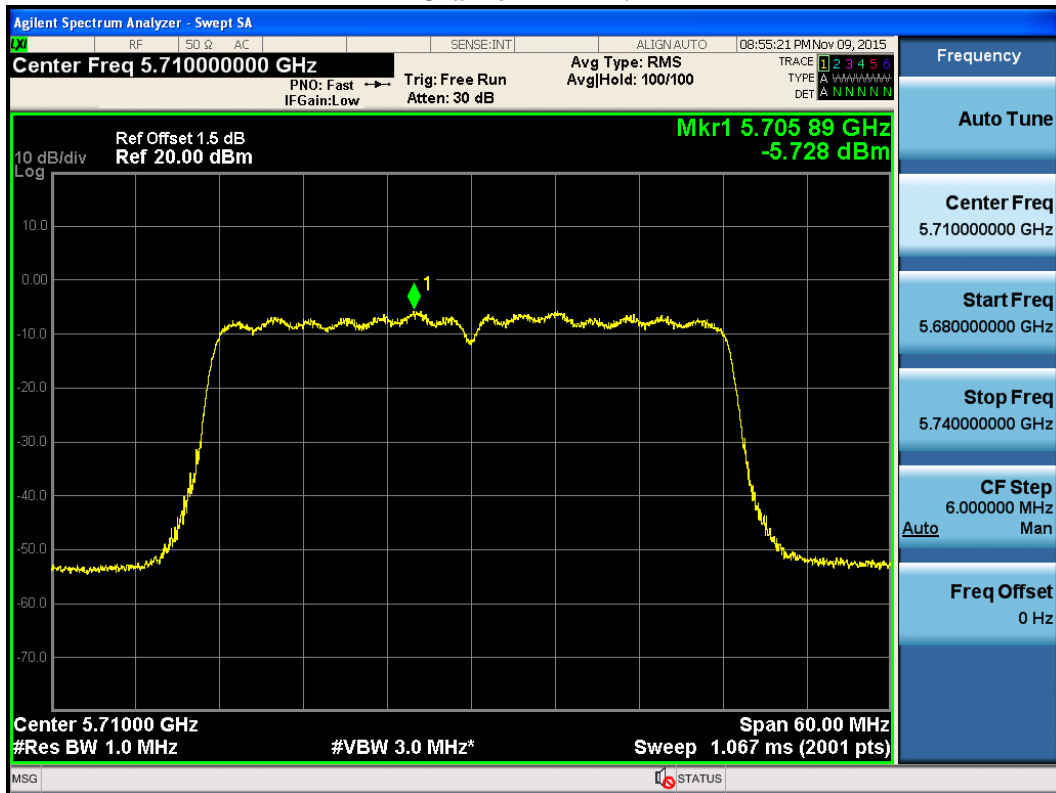
**Channel 102 – Ant 1**



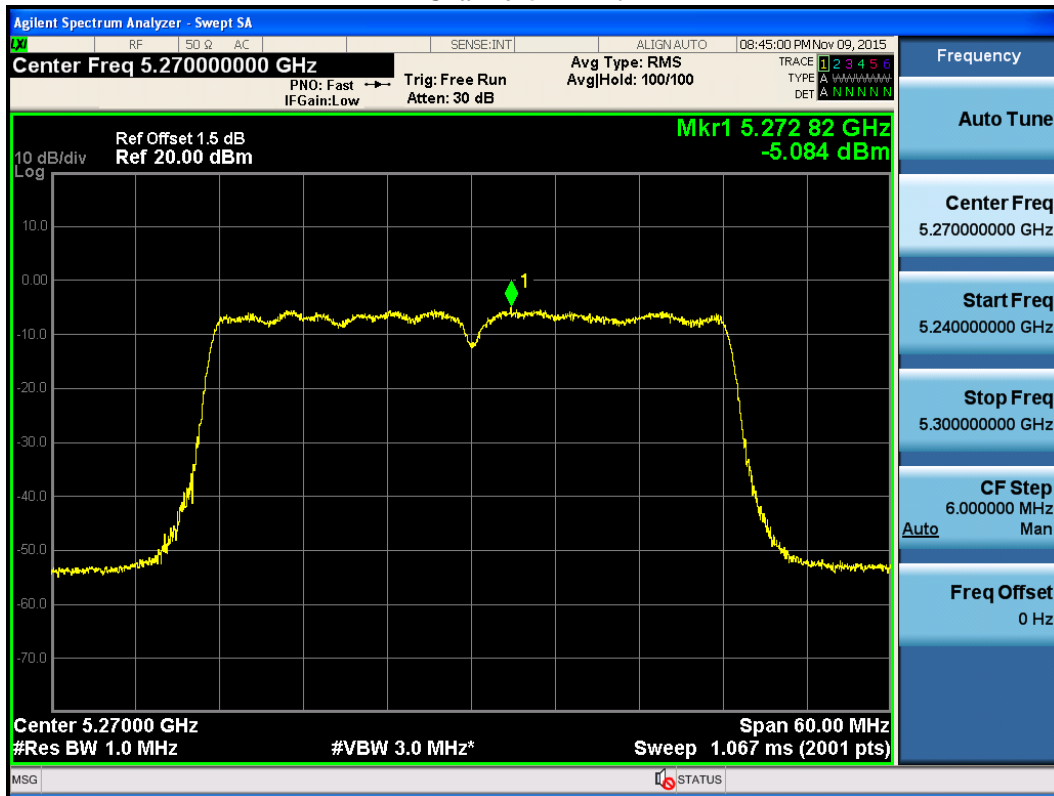
Channel 118 – Ant 1



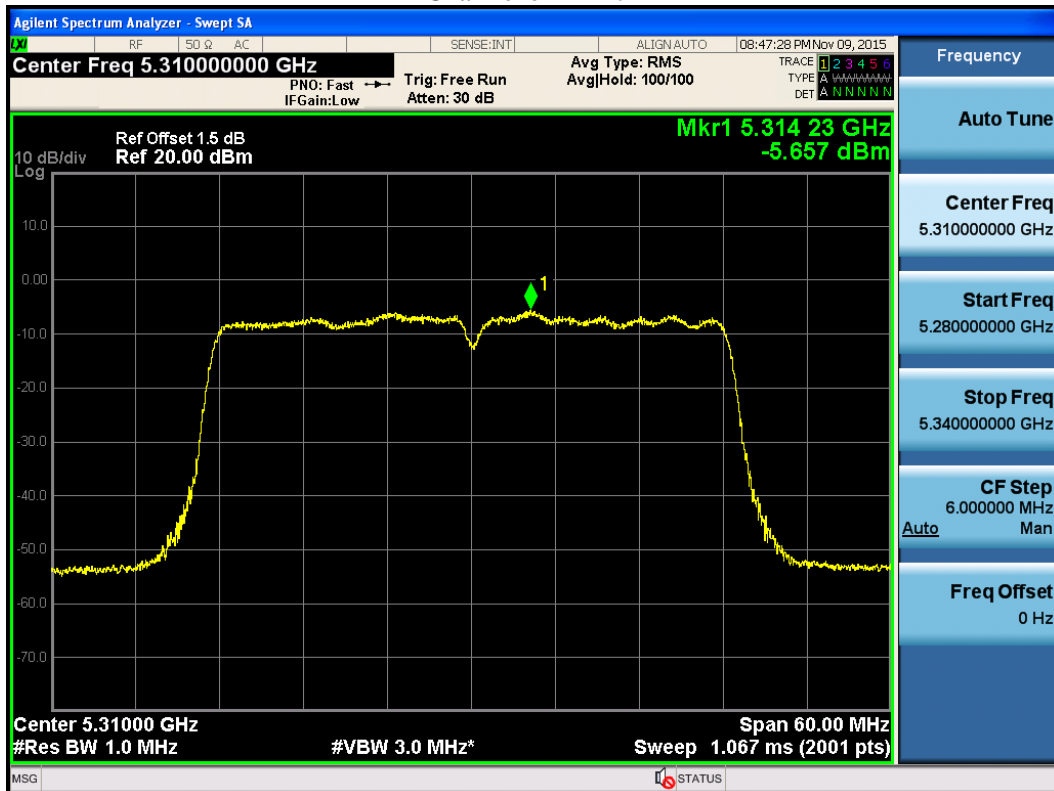
Channel 142 – Ant 1



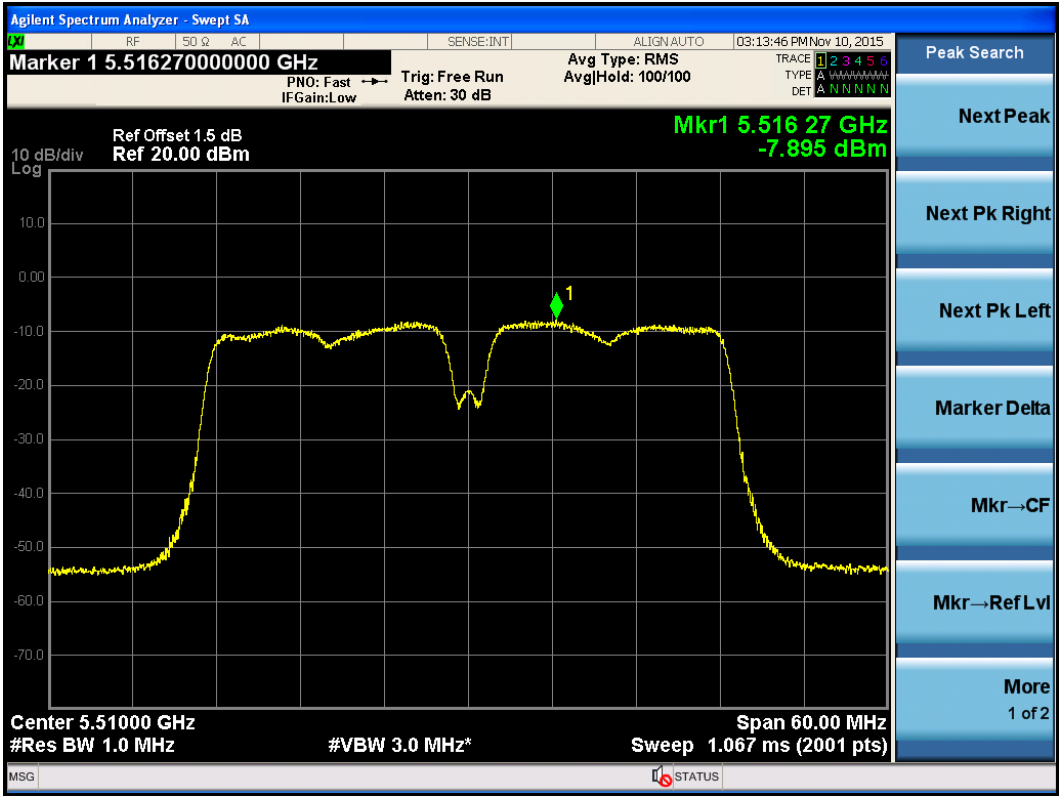
Channel 54 – Ant 2



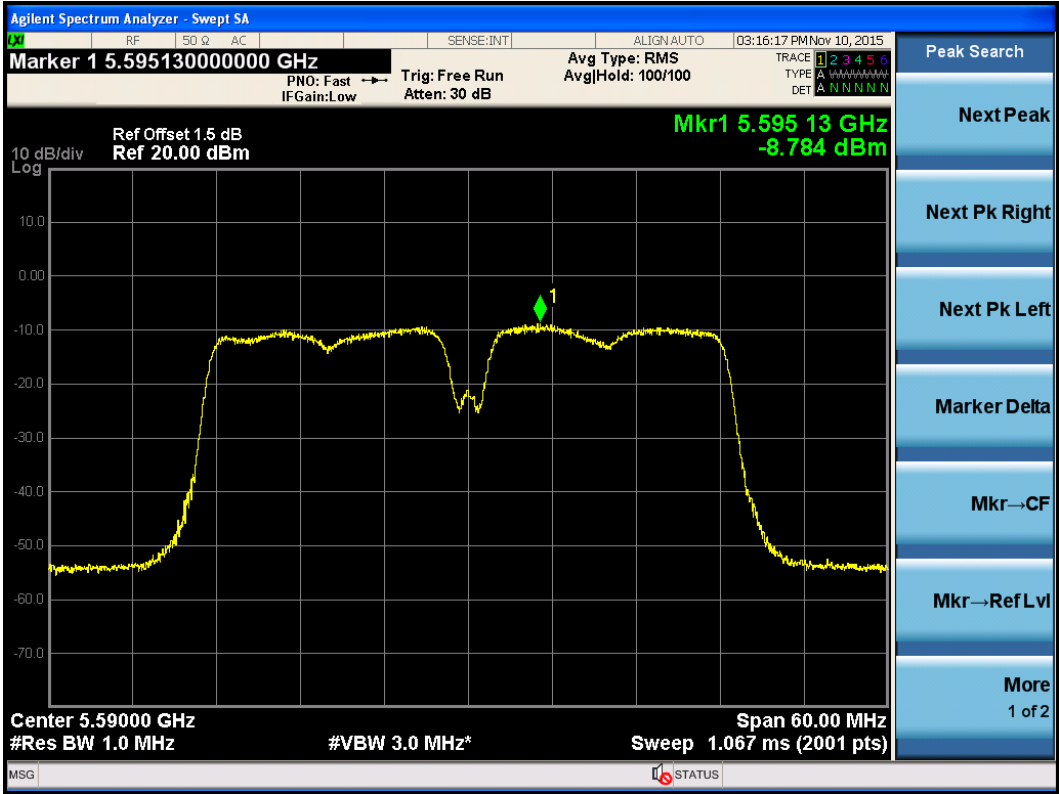
Channel 62 – Ant 2



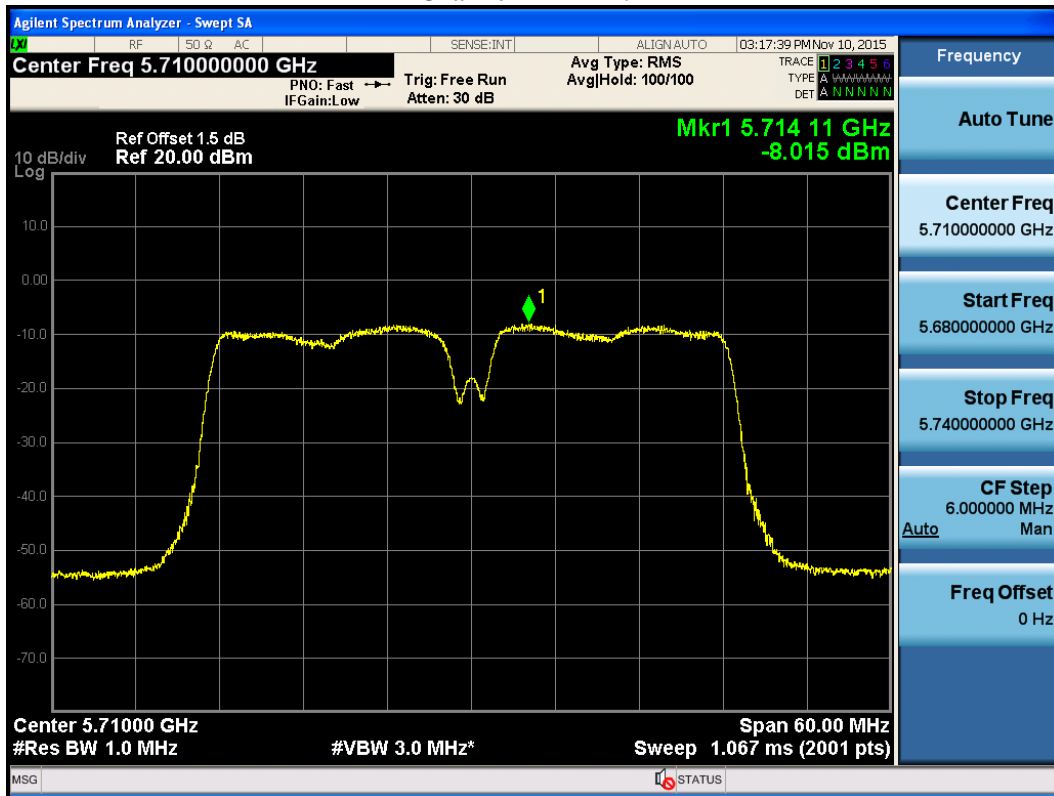
Channel 102 – Ant 2



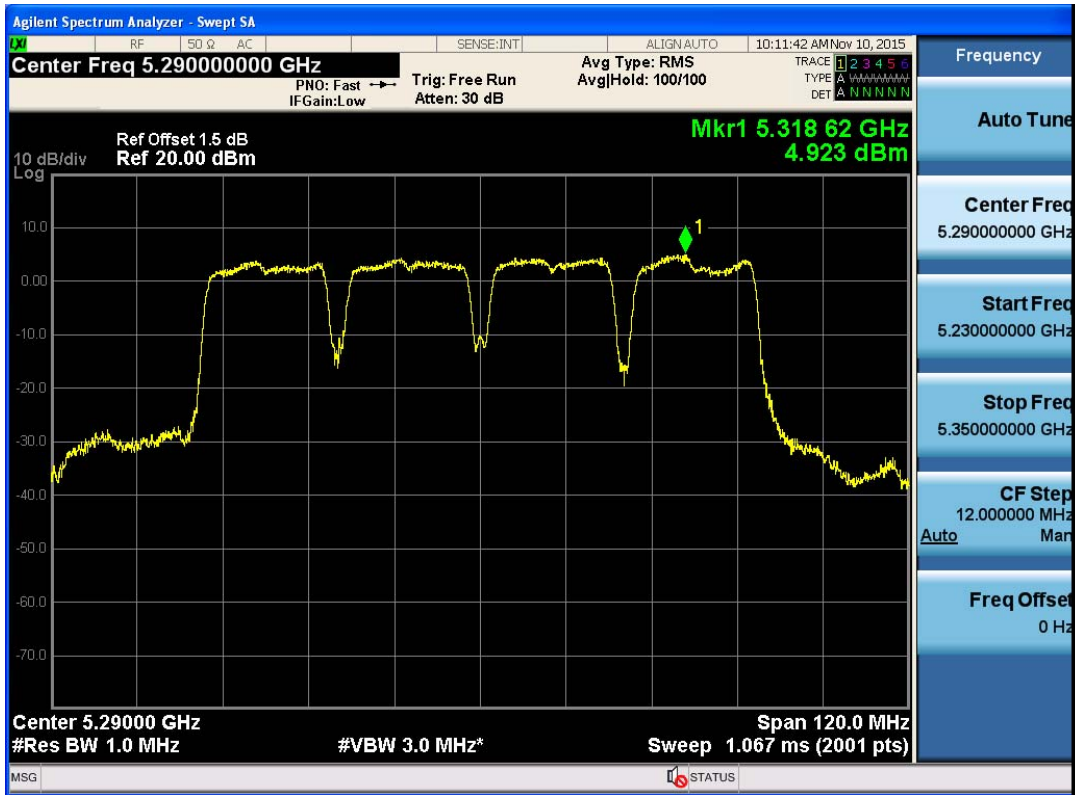
Channel 118 – Ant 2



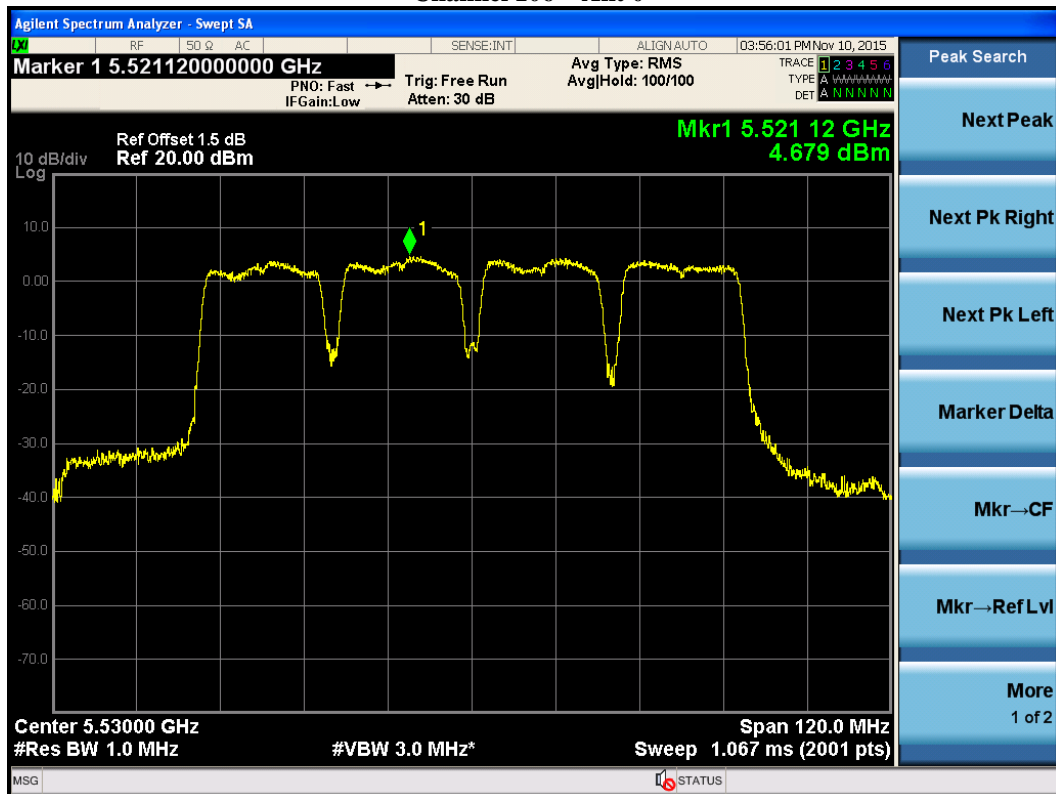
**Channel 142 – Ant 2**



**802.11ac80 for mode 6 (2.0dBi antenna)  
Channel 58 – Ant 0**

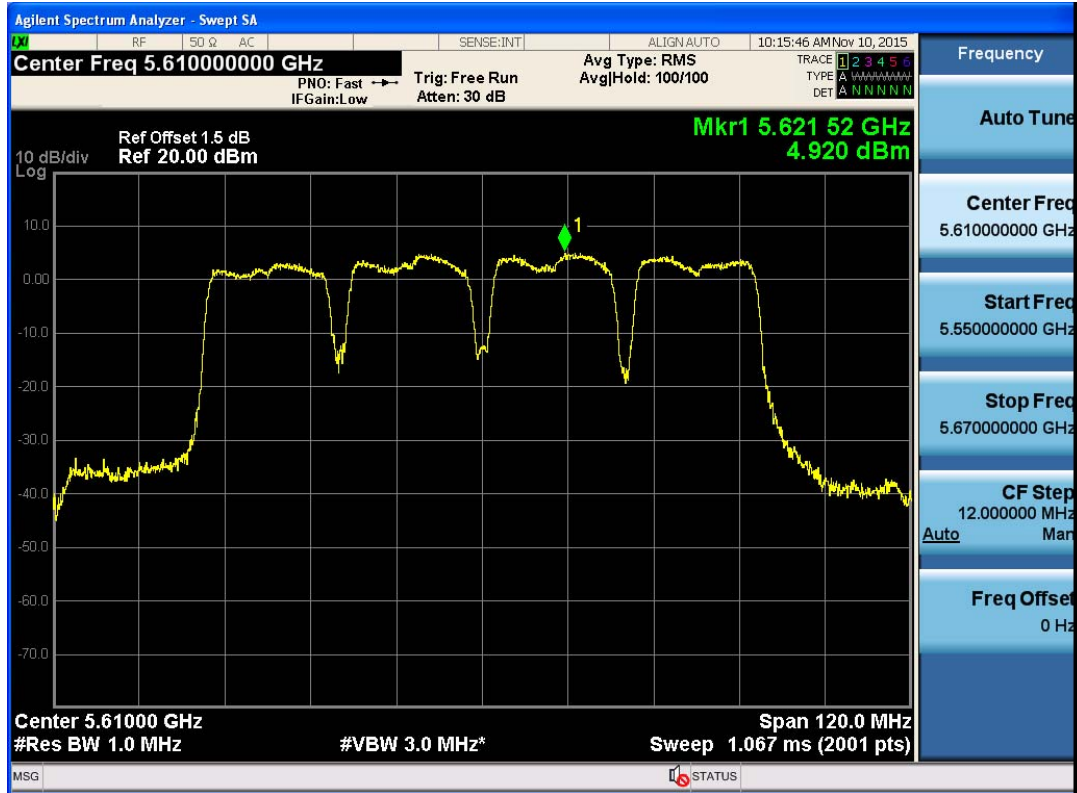


**Channel 106 – Ant 0**

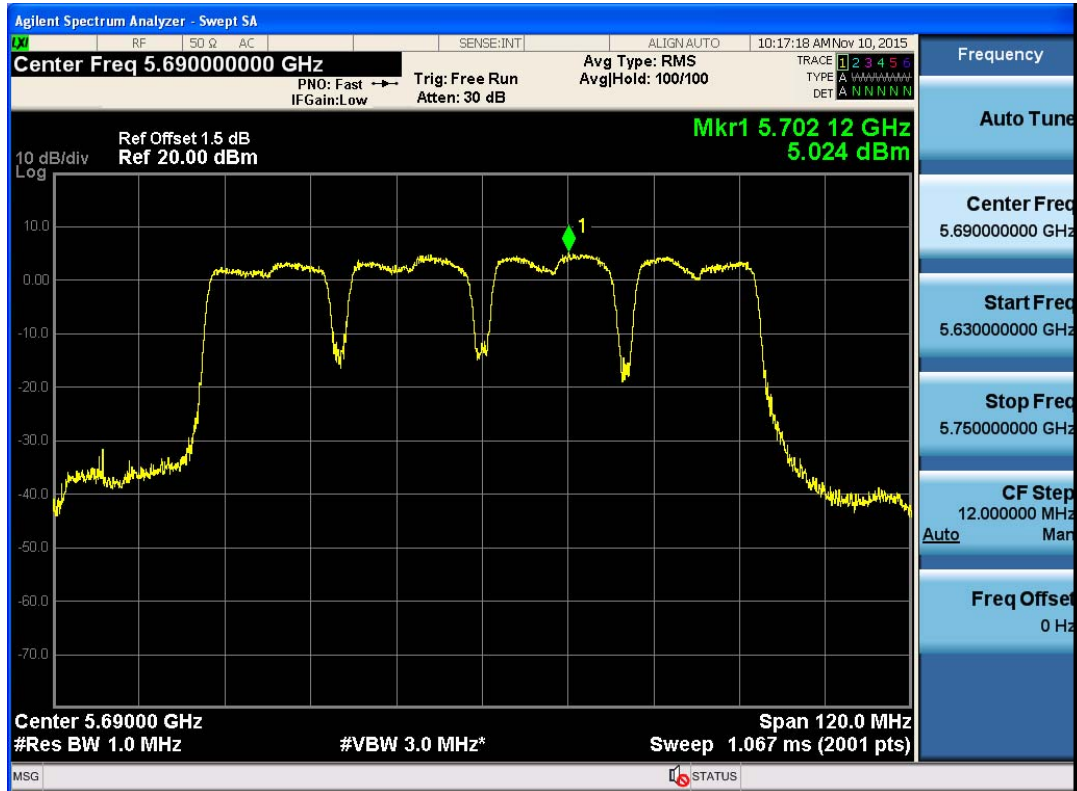




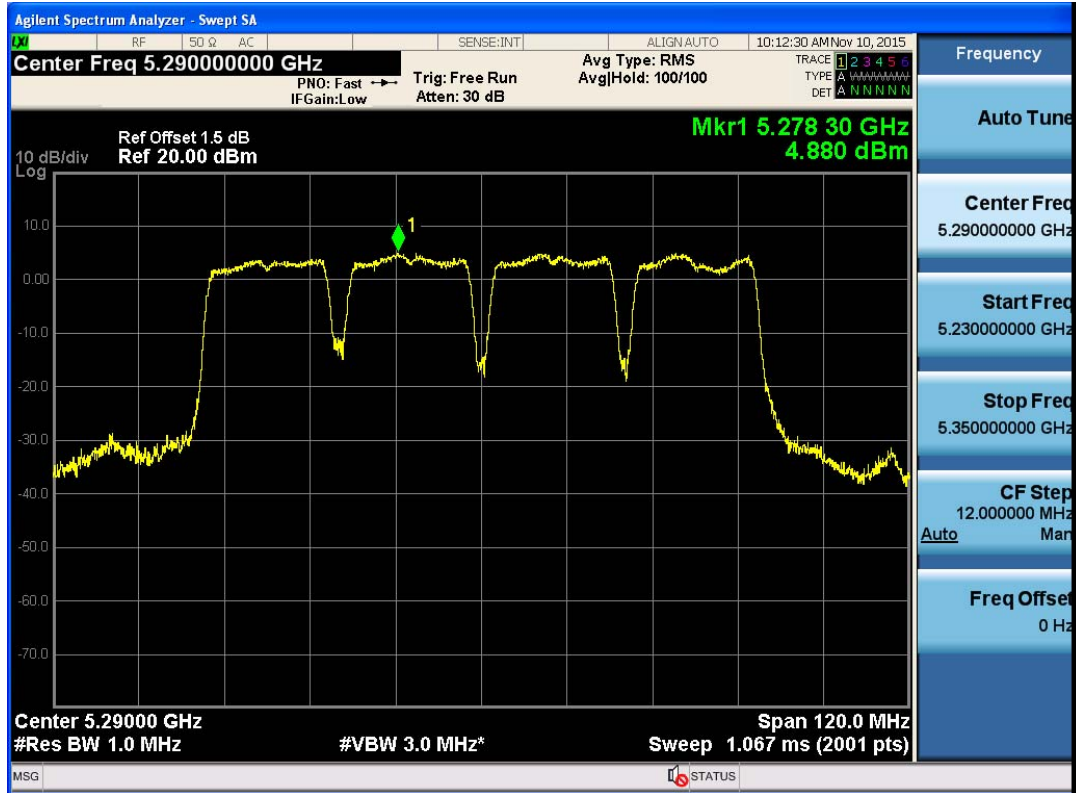
**Channel 122 – Ant 0**



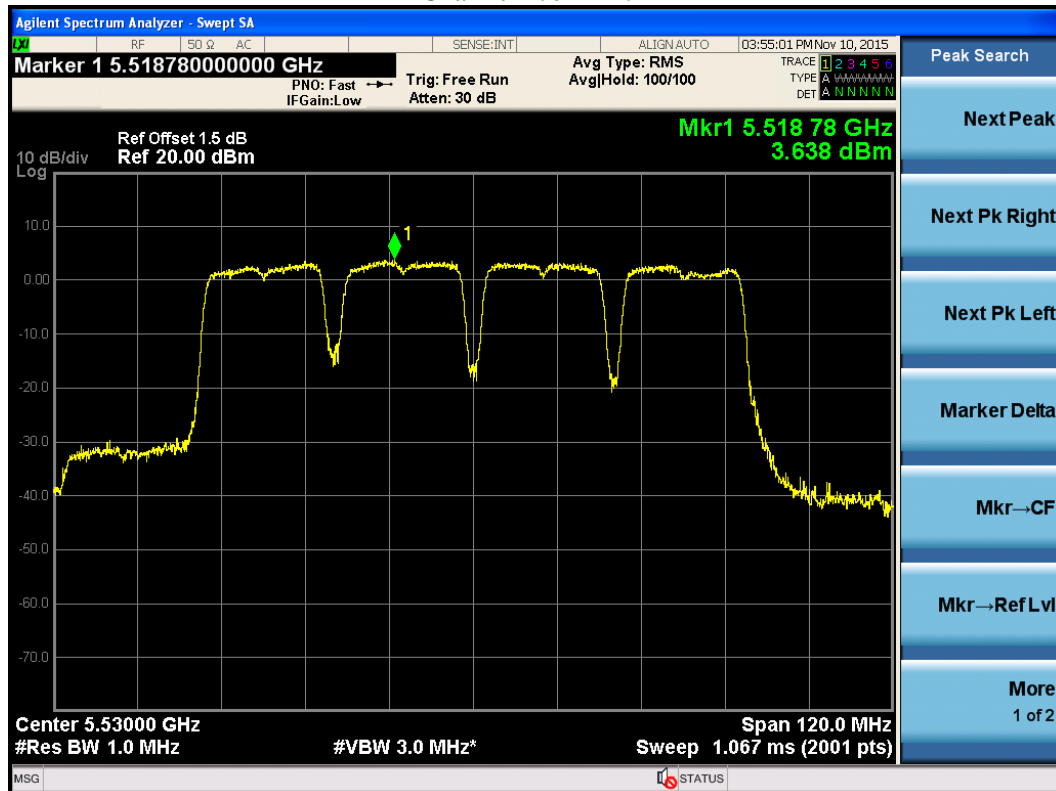
**Channel 138 – Ant 0**



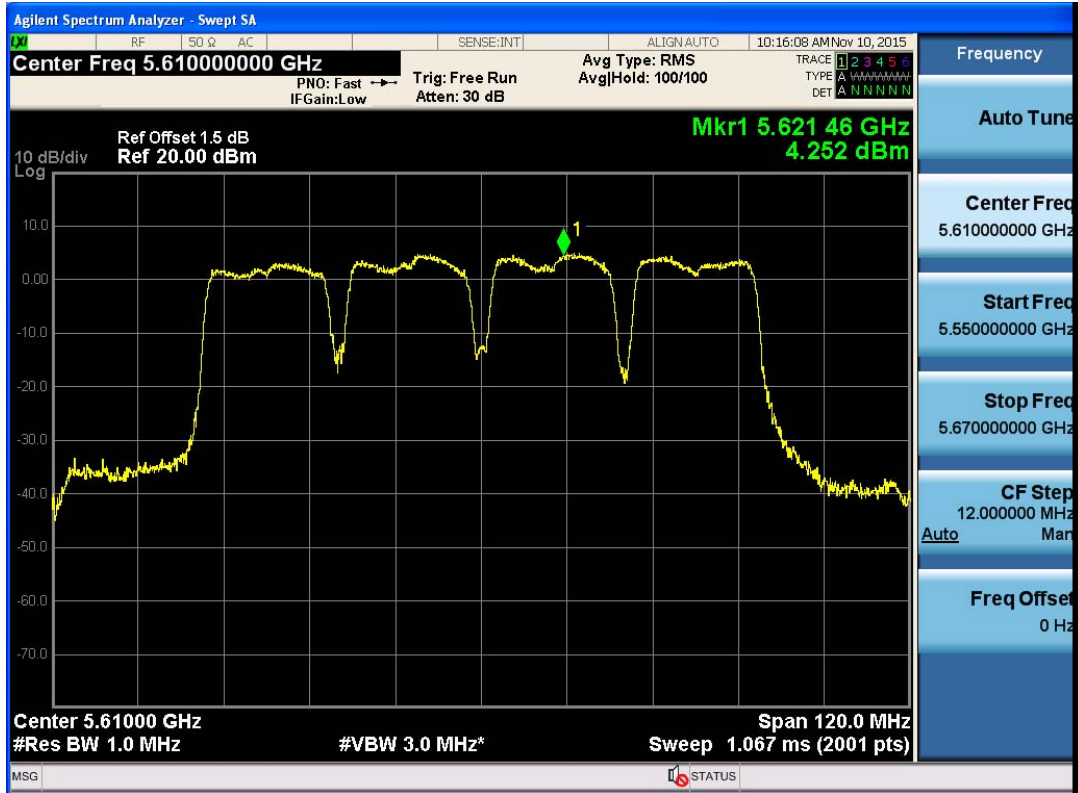
**Channel 58 – Ant 1**



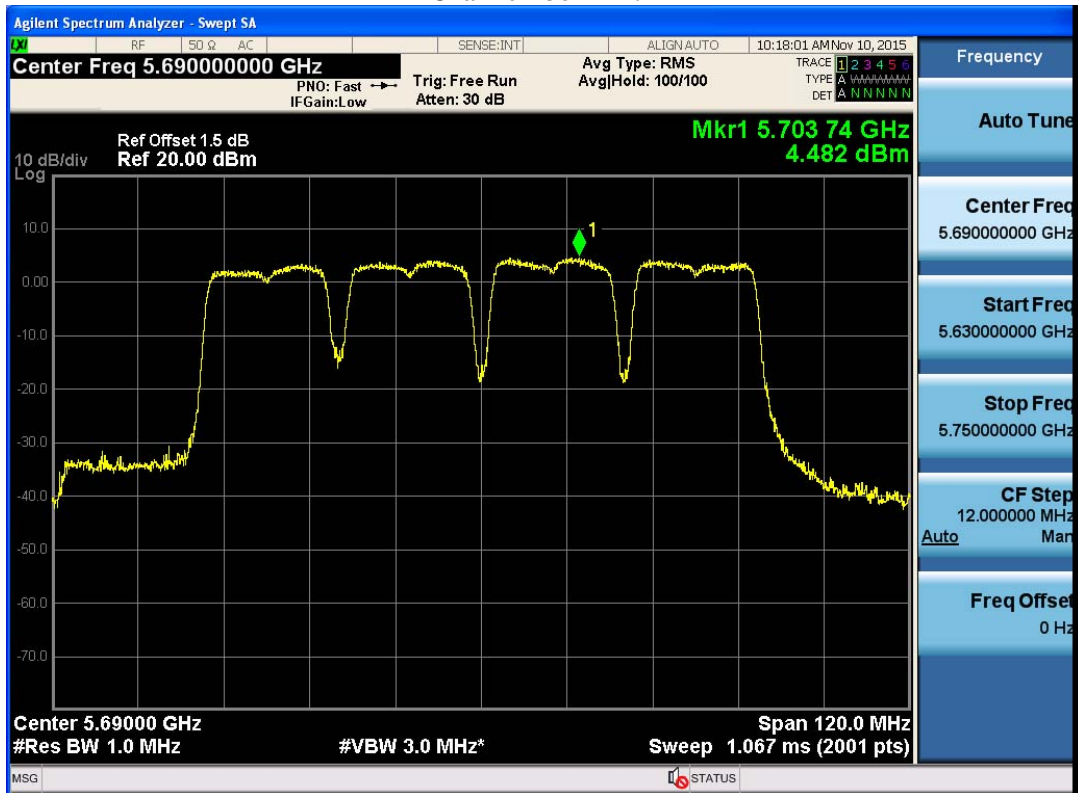
**Channel 106 – Ant 1**



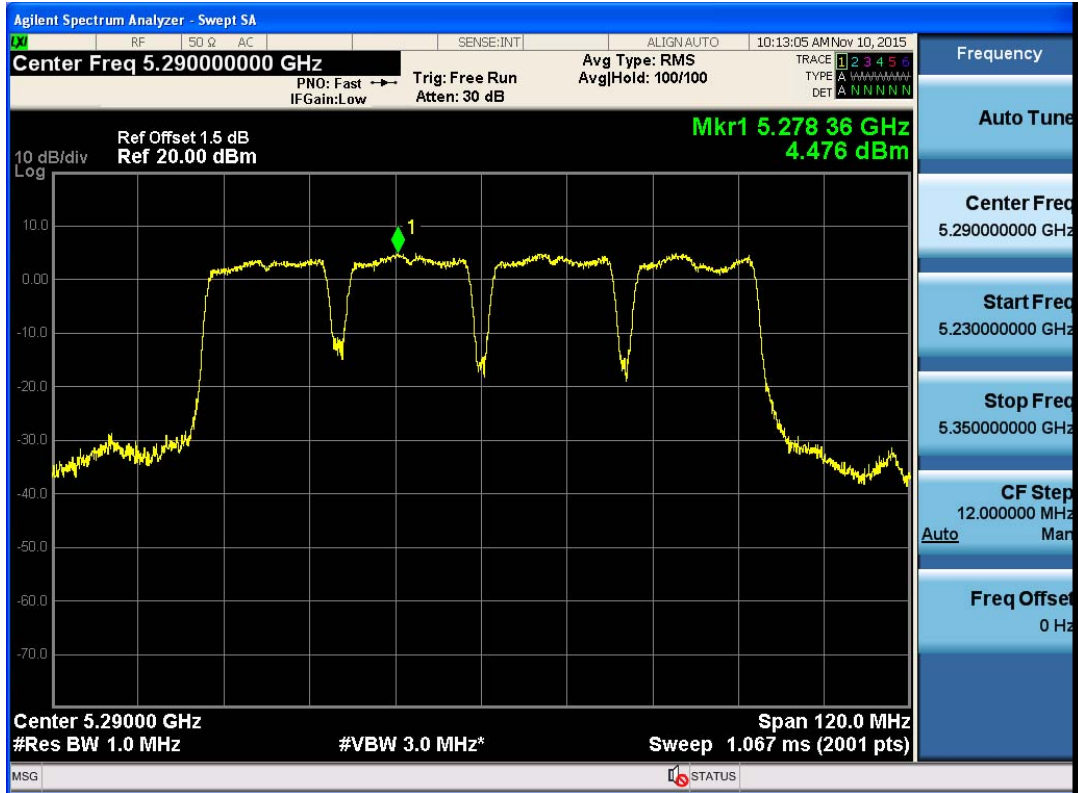
**Channel 122 – Ant 1**



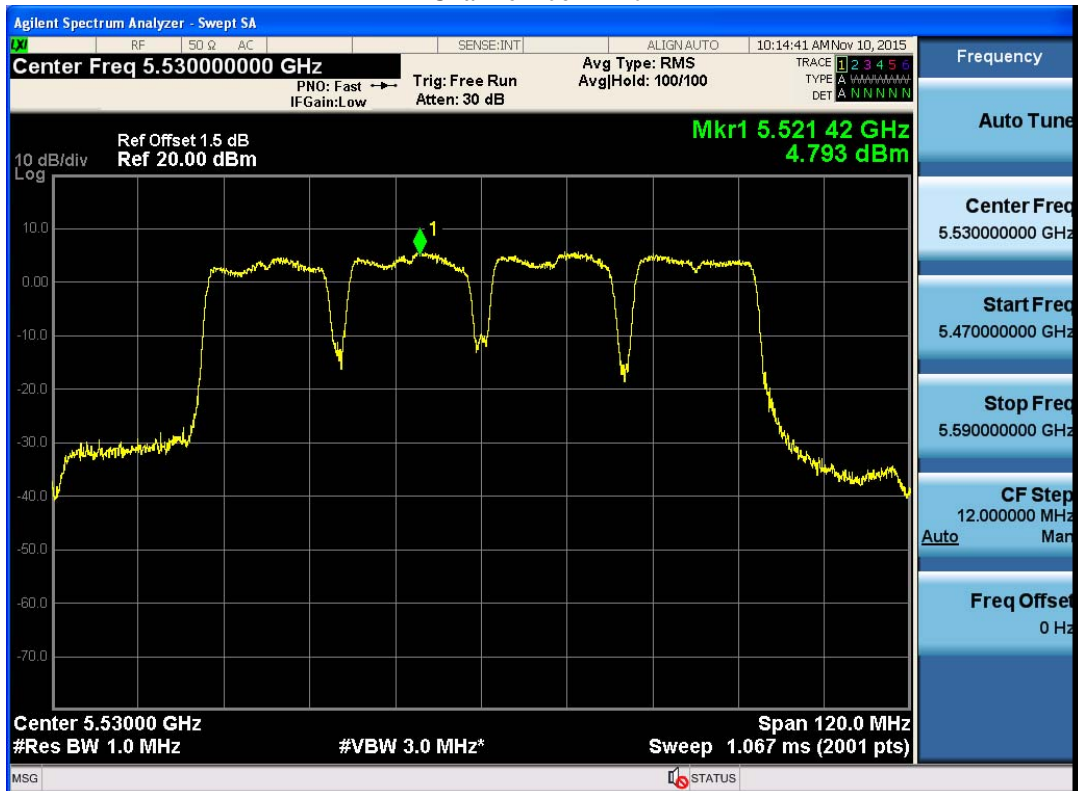
**Channel 138 – Ant 1**



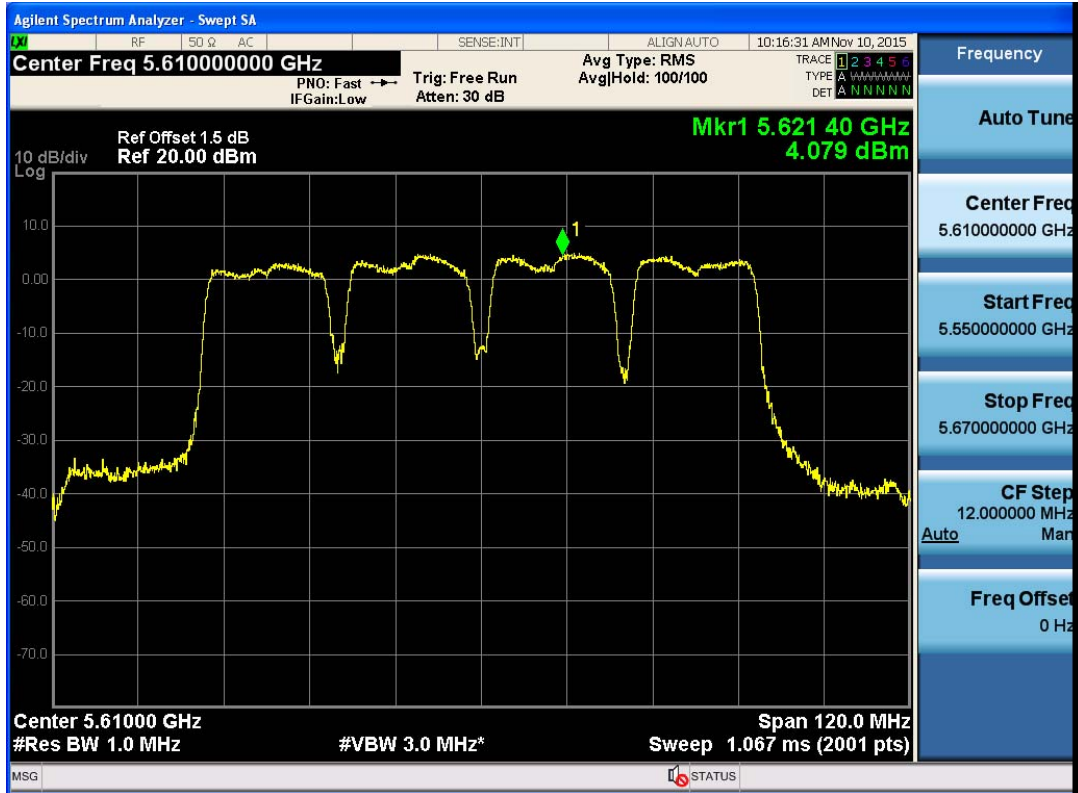
**Channel 58 – Ant 2**



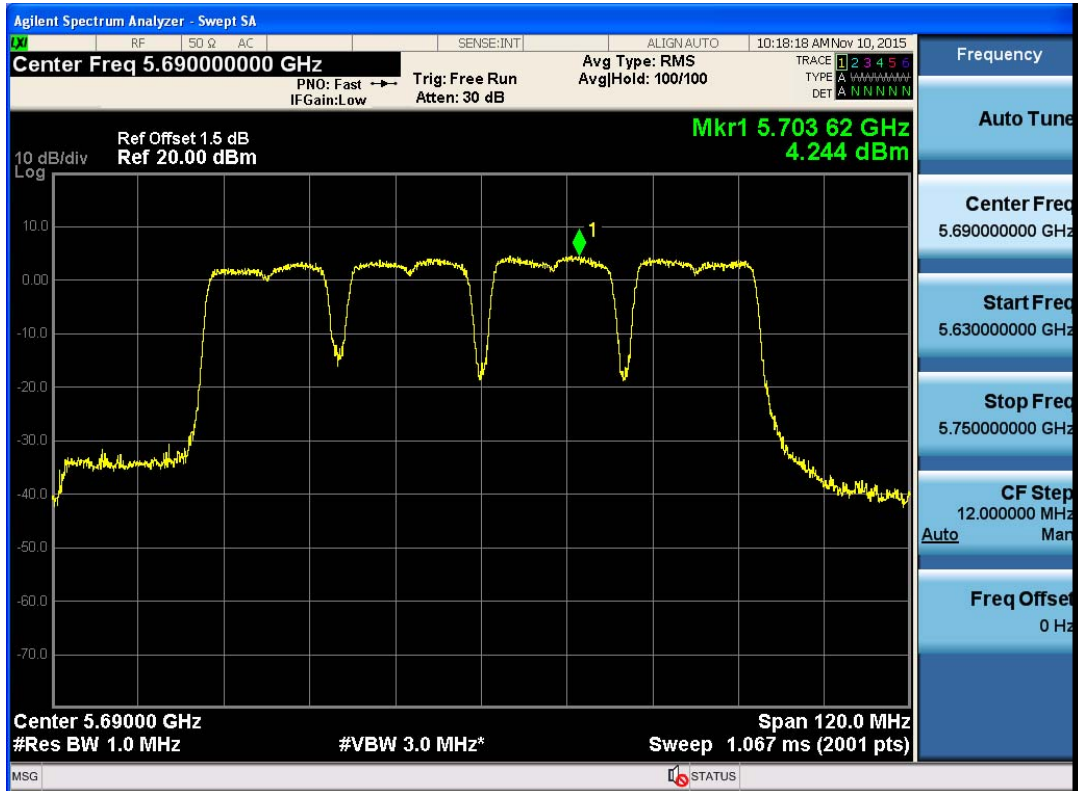
**Channel 106 – Ant 2**



**Channel 122 – Ant 2**

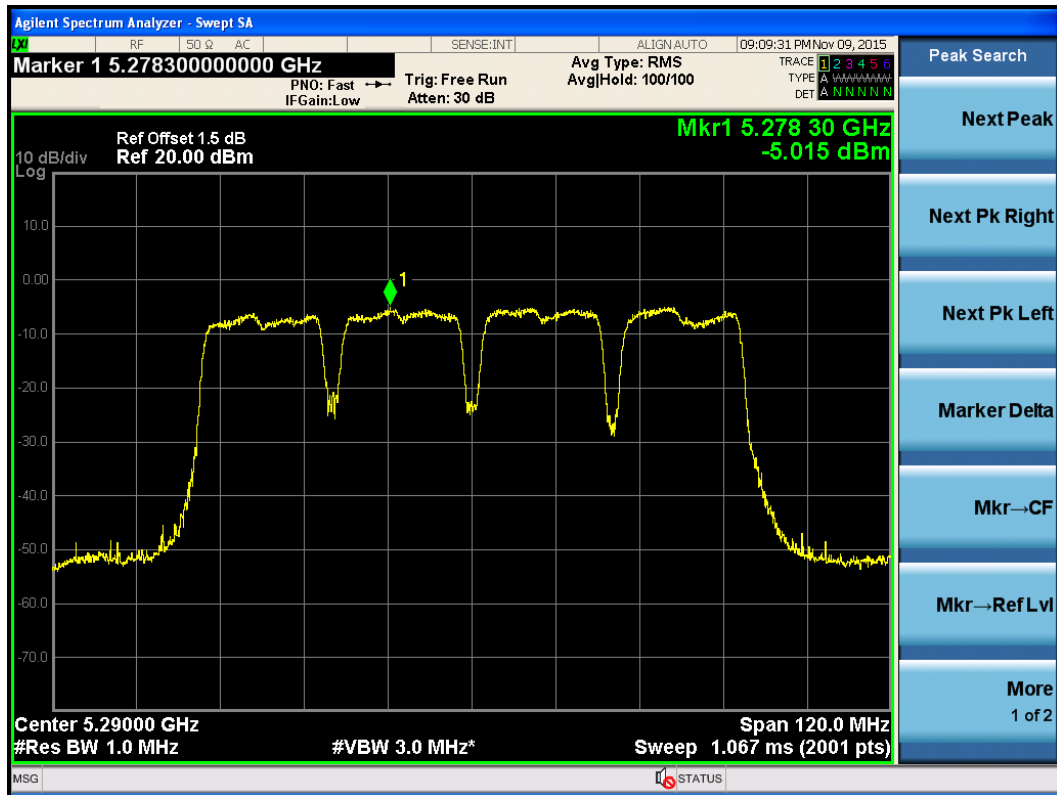


**Channel 138 – Ant 2**

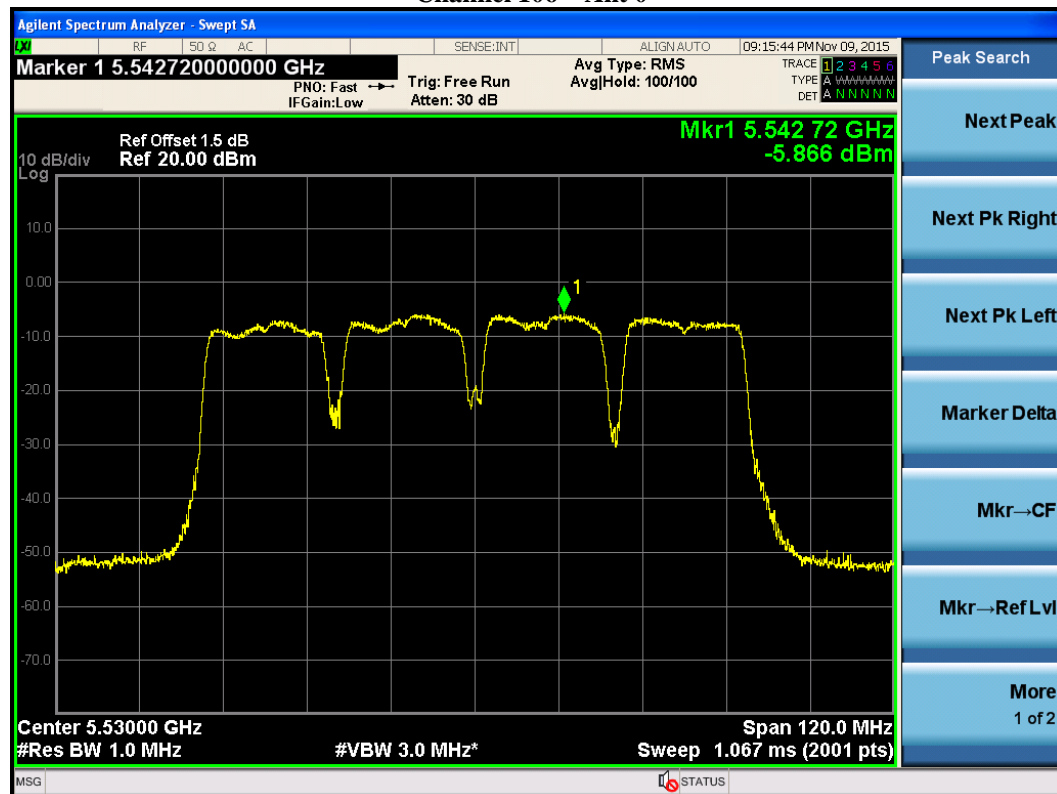




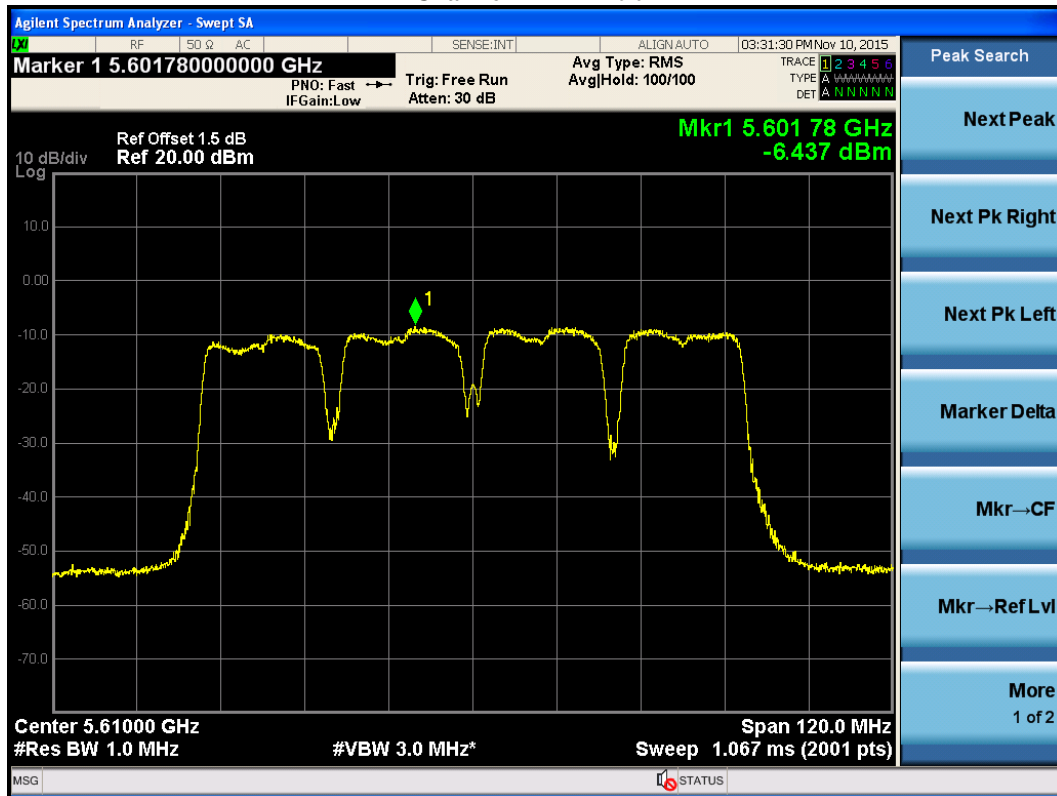
**802.11ac80 for mode 17 (14.0dBi antenna)  
Channel 58 – Ant 0**



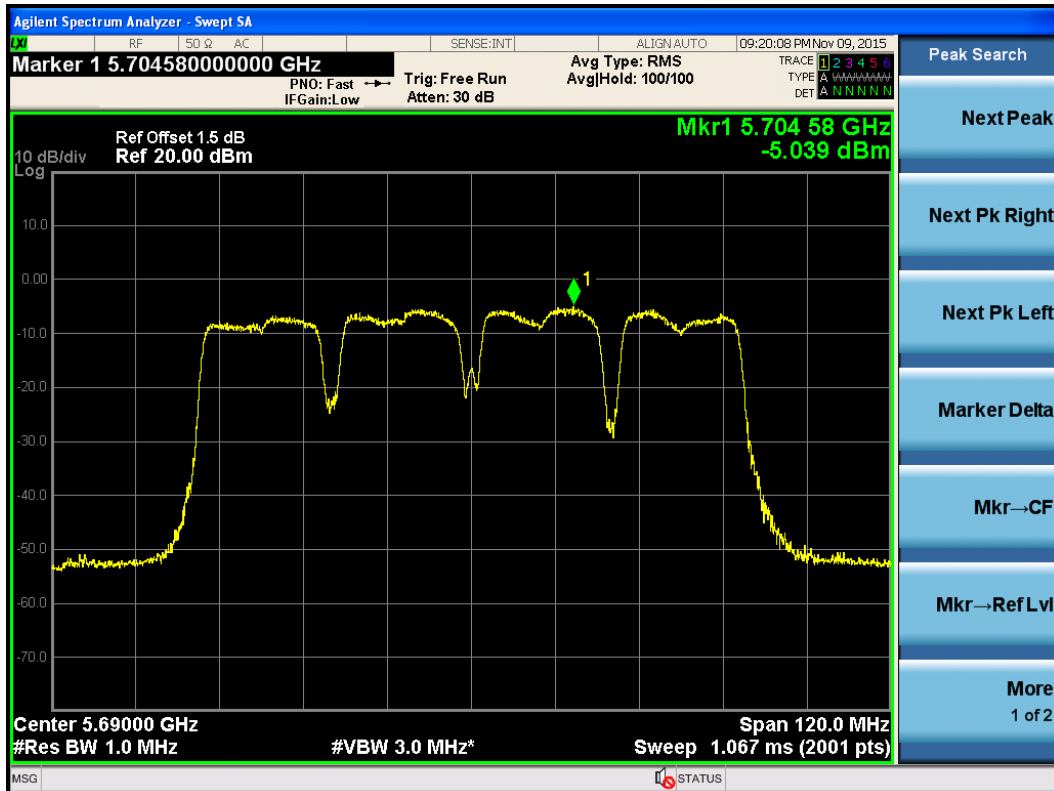
**Channel 106 – Ant 0**



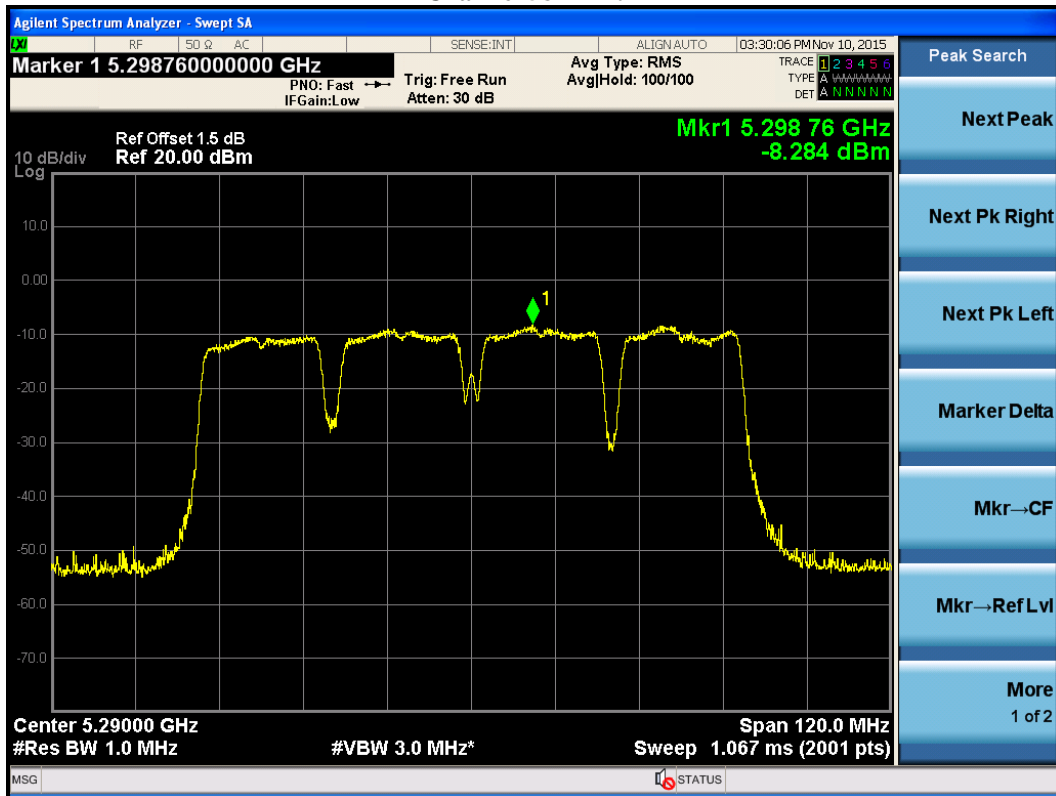
**Channel 122 – Ant 0**



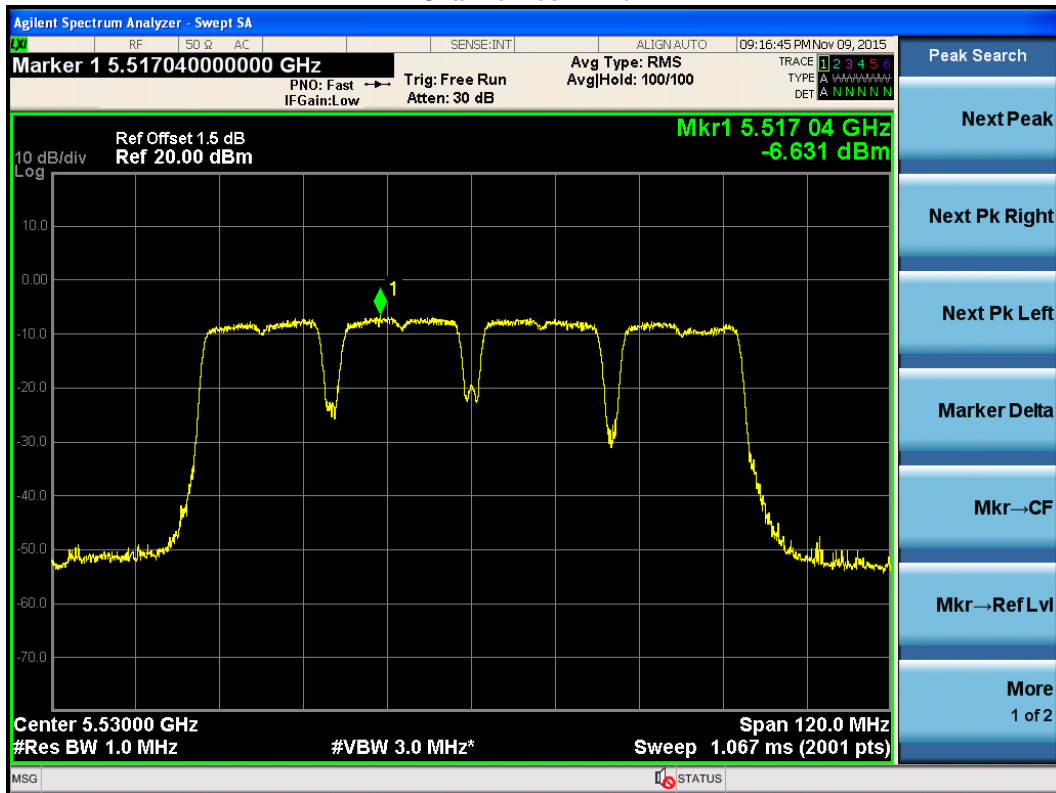
**Channel 138 – Ant 0**



**Channel 58 – Ant 1**

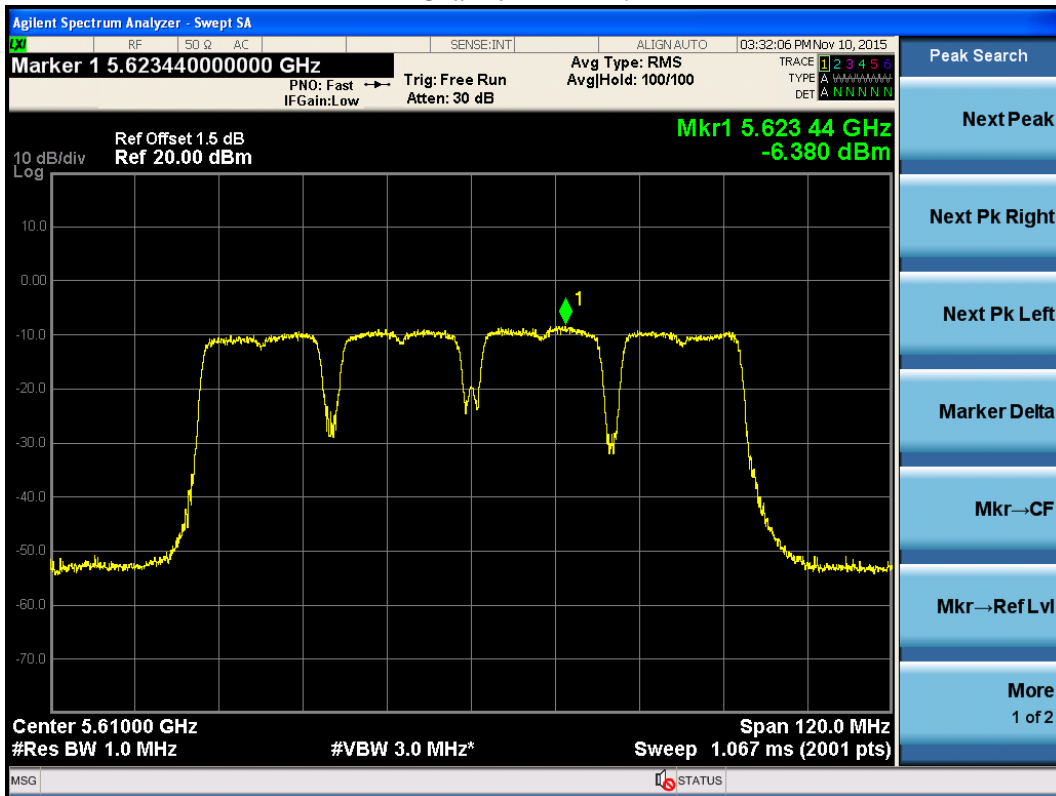


**Channel 106 – Ant 1**

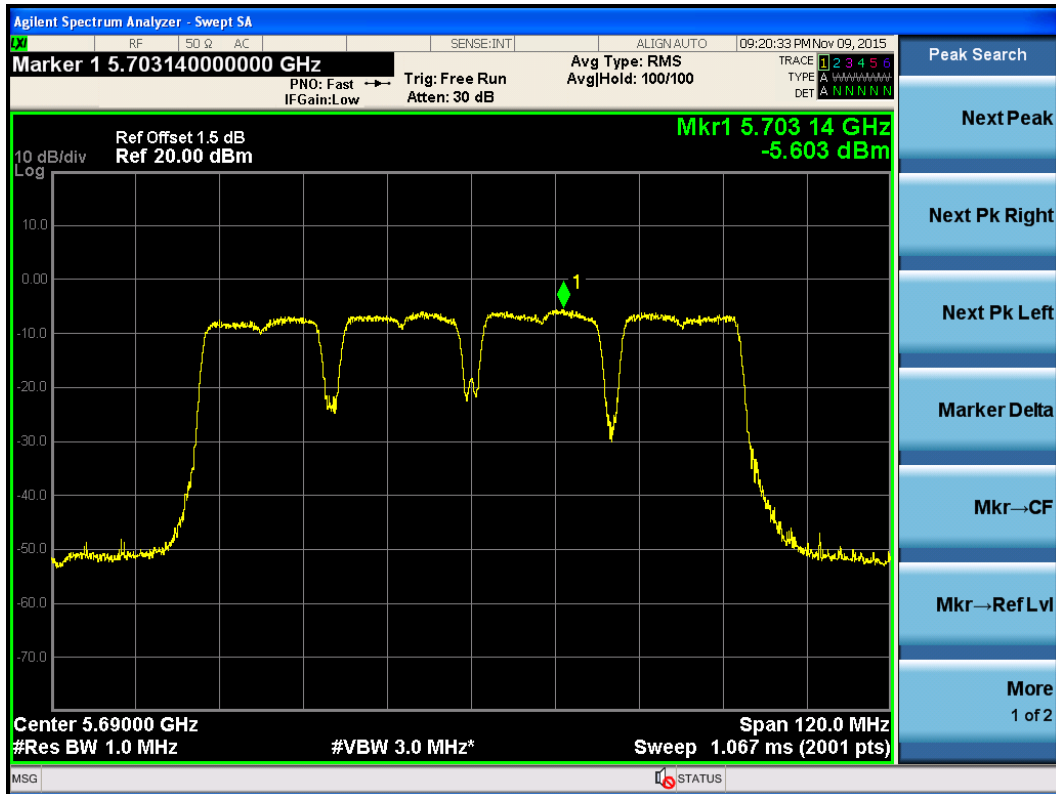




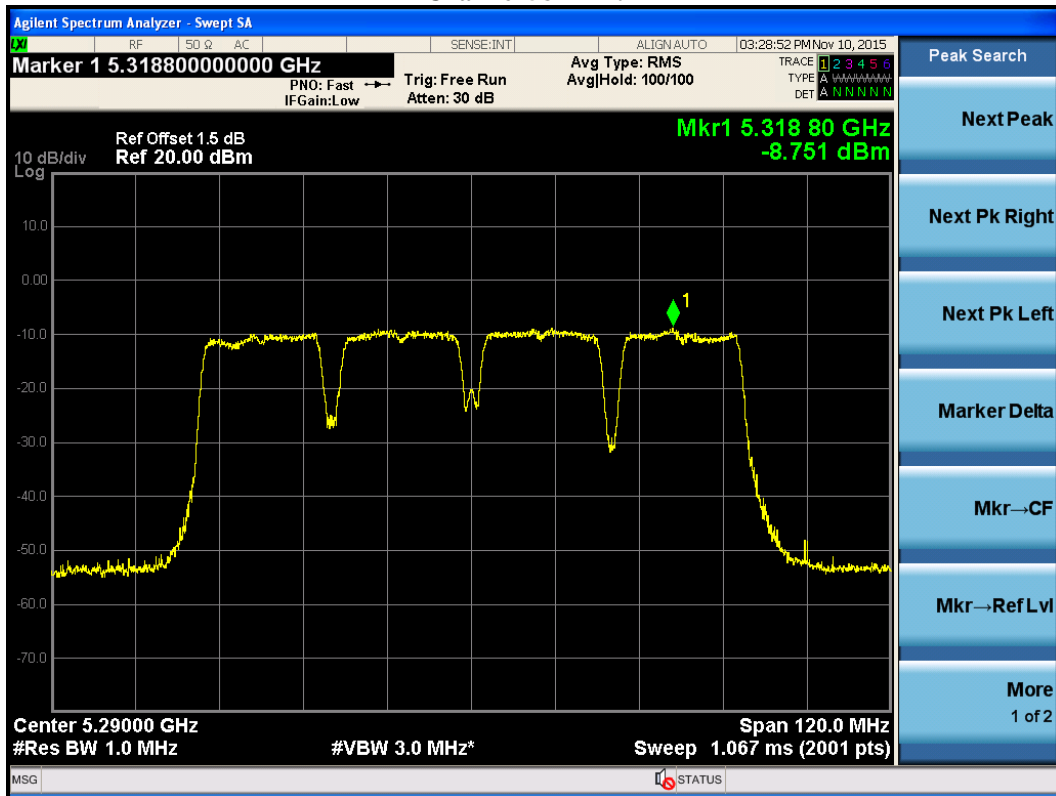
**Channel 122 – Ant 1**



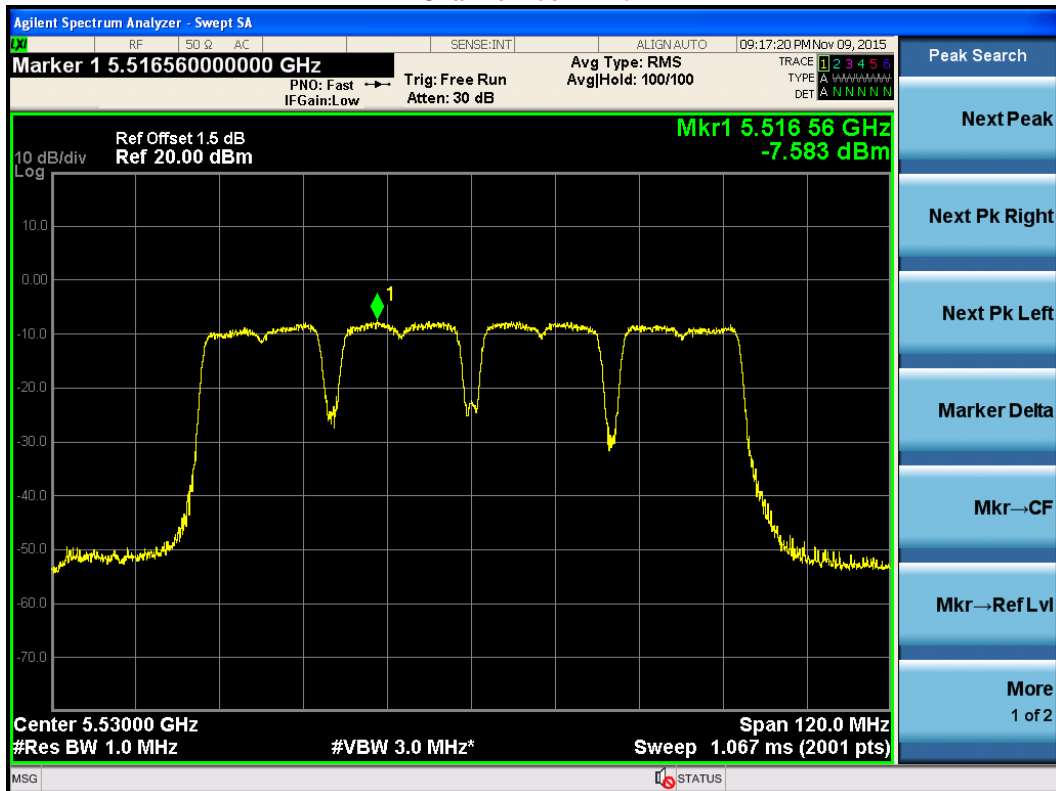
**Channel 138 – Ant 1**



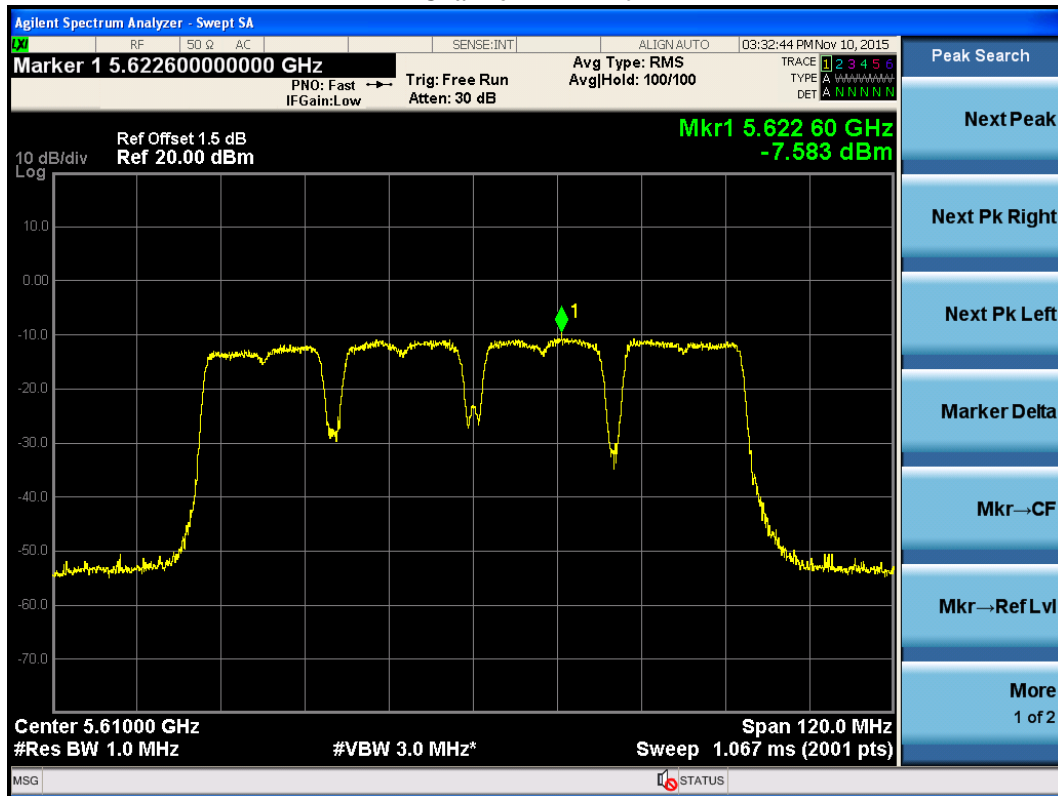
Channel 58 – Ant 2



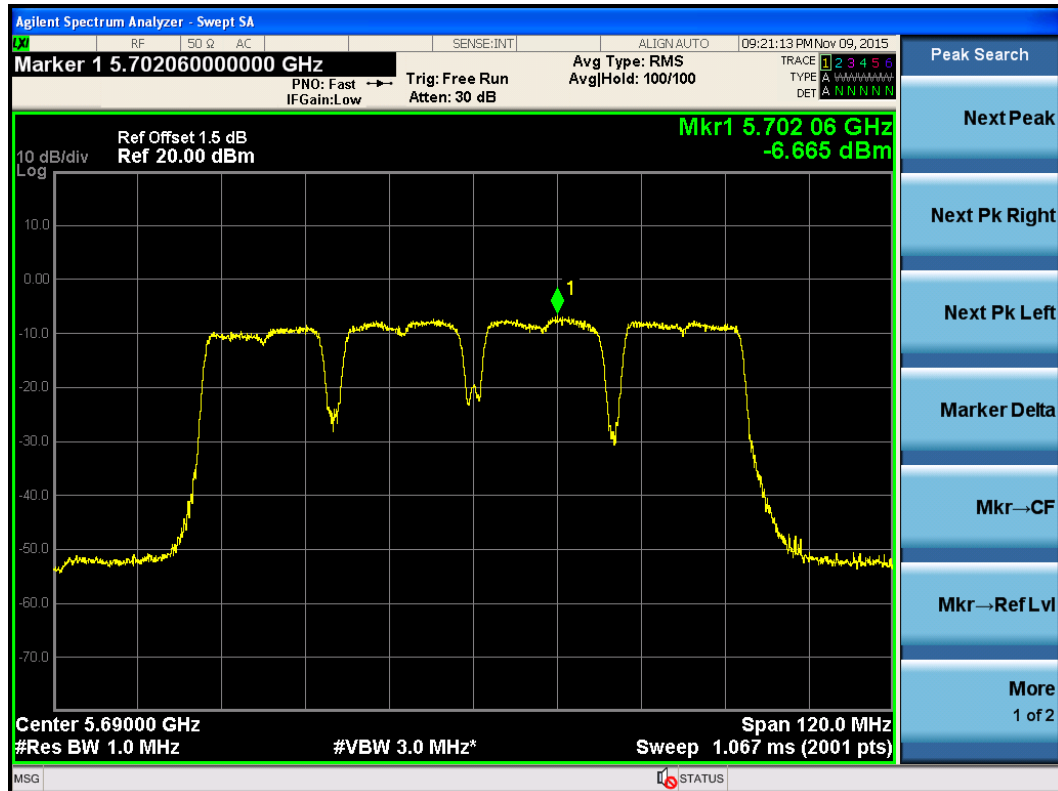
Channel 106 – Ant 2



**Channel 122 – Ant 2**



**Channel 138 – Ant 2**



## 6. Radiated emission

**Test result: PASS**

### 6.1 Test limit

6.1.1 The radiated emissions which are lower than 1GHz or fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) showed as below:

Frequency (MHz)	Field Strength (dBuV/m)	Measurement Distance (m)
30 - 88	40.0	3
88 - 216	43.5	3
216 - 960	46.0	3
Above 960	54.0	3

6.1.2 The emission which is outside the restrict bands, should comply with the EIRP limit as below:

(1) For transmitters operating in the 5.15–5.25 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of –27 dBm/MHz.

Frequencies (MHz)	EIRP Limit (dBm)	Equivalent Field Strength (3m) (dBμV/m)
1000-5150	-27	68.23
5350-40000	-27	68.23

Note: The Equivalent Field Strength is converted from EIRP with the formula:

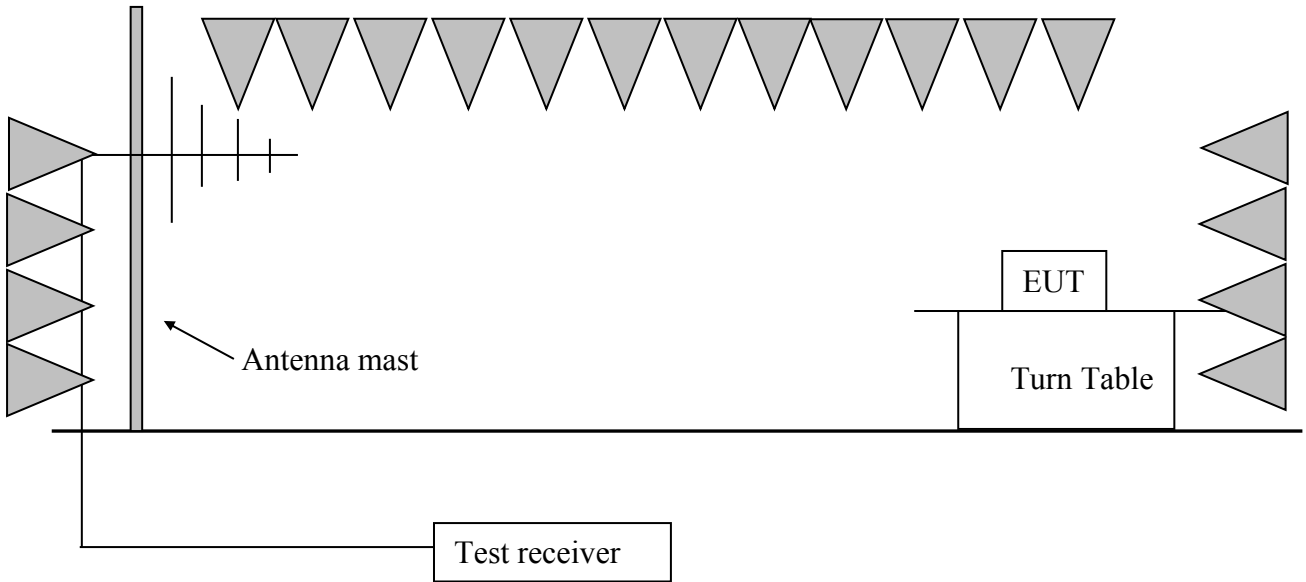
$$E = (1000000 \sqrt{30P} / 3) \mu\text{V/m}, \text{ where } P \text{ is the EIRP (Watts).}$$

(2) For transmitters operating in the 5.25–5.35 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of –27 dBm/MHz. Devices operating in the 5.25–5.35 GHz band that generate emissions in the 5.15–5.25 GHz band must meet all applicable technical requirements for operation in the 5.15–5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of – 27 dBm/MHz in the 5.15–5.25 GHz band.

(3) For transmitters operating in the 5.47–5.725 GHz band: all emissions outside of the 5.47–5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.

6.1.3 As specified in 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in 15.407(b)(4)). However, an out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz peak emission limit.

**6.2 Test Configuration**



### 6.3 Test procedure and test setup

Radiated emission measurements were performed from 30MHz to tenth harmonic or 40GHz. The EUT for testing is arranged on a turntable. If some peripherals apply to the EUT, the peripherals will be connected to EUT and the whole system. During the test, all cables were arranged to produce worst-case emissions. The signal is maximized through rotation. The height of antenna and polarization is changing constantly for exploring for maximum signal level. The height of antenna can be up to 4 meters and down to 1 meter.

The measurement for radiated emission will be done at the distance of three meters unless the signal level is too low to measure at that distance. In the case of the reading under noise floor, a pre-amplifier is used and/or the test is conducted at a closer distance. And then all readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance.

Testing settings (refer to KDB 789033 D02 v01r02 Section G)

Below 1GHz

- 1, Analyzer center frequency was set to the frequency of the radiated spurious emission.
- 2, Span=encompass the entire emission
- 3, RBW=120KHz
- 4, Detector=Quasi-Peak
- 5, Trace was allowed to stabilize

Peak Measurements above 1GHz

- 1, Analyzer center frequency was set to the frequency of the radiated spurious emission.
- 2, Span=encompass the entire emission
- 3, RBW=1MHz
- 4, VBW=3MHz
- 4, Detector= Peak (Max-hold)
- 5, Trace was allowed to stabilize

Average Measurements above 1GHz

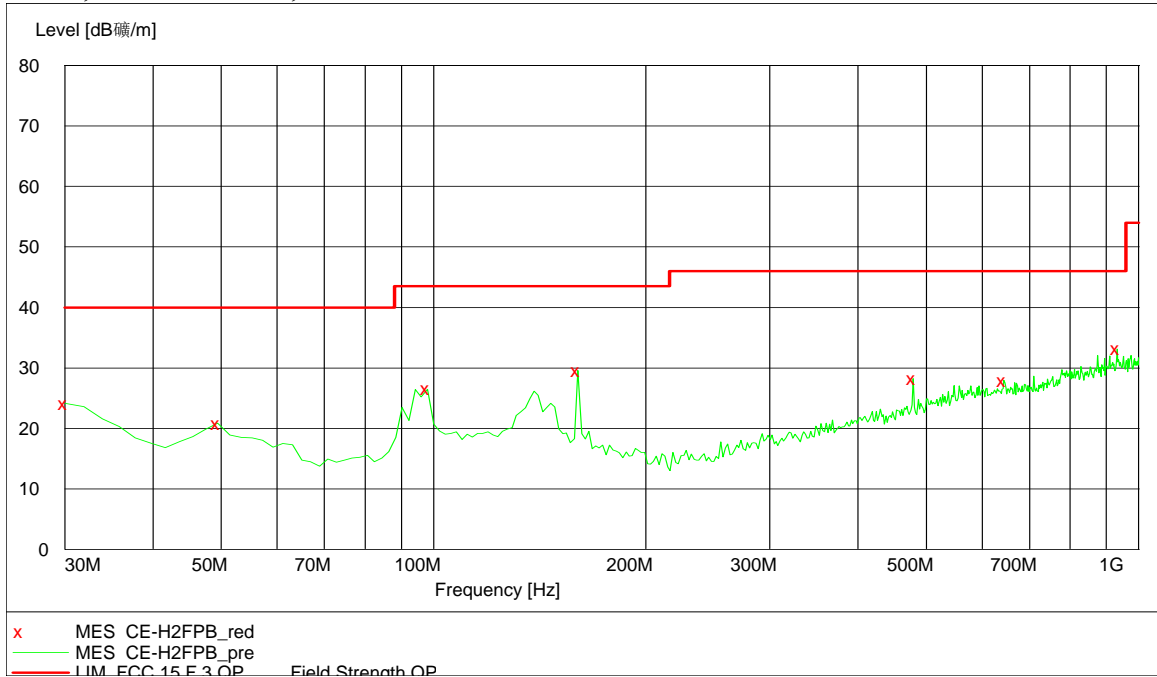
- 1, Analyzer center frequency was set to the frequency of the radiated spurious emission.
- 2, Span=encompass the entire emission
- 3, RBW=1MHz
- 4, VBW=3MHz
- 4, Detector= RMS (Max-hold)
- 5, Trace was allowed to stabilize

### 6.4 Test protocol

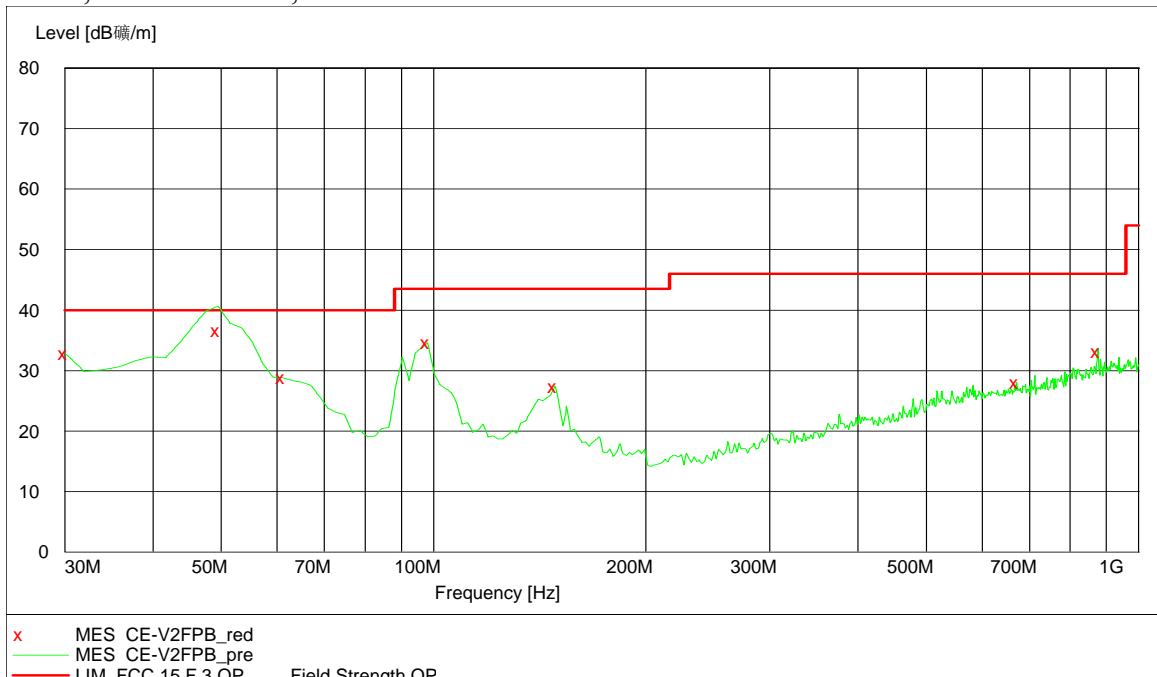
Temperature : 25 °C  
 Relative Humidity : 55 %

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

#### Mode 6, 30MHz~1GHz, Horizontal



#### Mode 6, 30MHz~1GHz, Vertical





Mode 6, 30MHz~1GHz, Test data:

Polarization	Frequency (MHz)	Measured level (dB $\mu$ V/m)	Limits (dB $\mu$ V/m)	Margin (dB)	Detector
H	30.00	24.1	40.0	15.9	PK
	49.44	20.8	40.0	19.2	PK
	98.04	26.5	43.5	17.0	PK
	160.24	29.6	43.5	13.9	PK
	479.04	28.2	46.0	17.8	PK
	644.27	27.9	46.0	18.1	PK
	931.96	33.1	46.0	12.9	PK
V	30.00	32.8	40.0	7.2	PK
	49.44	36.7	40.0	3.3	QP
	61.10	28.8	40.0	11.2	PK
	98.04	34.6	43.5	8.9	PK
	148.58	27.4	43.5	16.1	PK
	671.48	28.0	46.0	18.0	PK
	875.59	33.2	46.0	12.8	PK

Note: The test model 6 was chosen to perform the bellow 1GHz tests as representative.

**Test result above 1GHz:**

The emission was conducted from 1GHz to 25GHz.

The test model 6 was chosen to perform the above 1GHz tests as representative.

Test data >1GHz:

Mode 6 with 2dBi antenna:

802.11a

Freq (MHz)	Antenna	Frequency (MHz)	Correct Factor (dB/m)	Corrected Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
5260	V	5264.23	40.80	107.40	/	/	PK
	V	10520.00	15.08	40.60	54.00	13.40	PK
	H	10553.00	15.23	45.50	54.00	8.50	PK
	H	15778.00	23.70	43.70	54.00	10.30	PK
5300	V	5294.40	40.70	107.70	/	/	PK
	H	10450.00	15.15	40.50	54.00	13.50	PK
	V	10800.00	15.45	42.40	54.00	11.60	PK
	V	15900.00	23.58	44.50	54.00	9.50	PK
5320	V	5324.43	40.80	107.70	/	/	PK
	V	5350.00	40.80	49.40	68.20	18.80	PK
	V	10642.00	15.13	40.30	54.00	13.70	PK
	H	15960.00	23.52	43.10	54.00	10.90	PK
5500	V	5501.46	40.80	107.50	/	/	PK
	V	5470.00	40.80	53.50	68.20	14.70	PK
	H	11000.00	16.25	40.70	54.00	13.30	PK
	H	16500.00	22.46	42.40	54.00	11.60	PK
5600	V	5593.22	40.80	108.10	/	/	PK
	V	11200.00	16.78	41.20	54.00	12.80	PK
	H	11250.00	16.89	42.70	54.00	11.30	PK
	H	16800.00	22.73	45.60	54.00	8.40	PK
5700	V	5704.56	40.80	108.40	/	/	PK
	V	5725.00	40.80	52.90	68.20	15.30	PK
	H	11400.00	17.08	40.00	54.00	14.00	PK
	V	17100.00	24.04	45.30	54.00	8.70	PK
5720	V	5722.45	40.80	108.80	/	/	PK
	H	11444.00	17.08	40.50	54.00	13.50	PK
	V	17160.00	24.04	45.40	54.00	8.60	PK

802.11n20

Freq (MHz)	Antenna	Frequency (MHz)	Correct Factor (dB/m)	Corrected Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
5260	V	5262.34	40.80	106.40	/	/	PK
	V	10520.00	15.08	40.40	54.00	13.60	PK
	H	10557.00	15.21	46.20	54.00	7.80	PK
	H	15780.00	23.70	43.40	54.00	10.60	PK
5300	V	5305.06	40.80	105.90	/	/	PK
	H	10600.00	15.12	40.50	54.00	13.50	PK
	V	10800.00	15.45	42.30	54.00	11.70	PK
	V	15900.00	23.58	44.20	54.00	9.80	PK
5320	V	5325.66	40.80	105.20	/	/	PK
	H	5350.00	40.80	49.90	68.20	18.30	PK
	V	10640.00	15.16	40.40	54.00	13.60	PK
	H	15960.00	23.52	42.70	54.00	11.30	PK
5500	V	5502.65	40.80	104.80	/	/	PK
	V	5470.00	40.80	53.50	68.20	14.70	PK
	H	11000.00	16.25	40.70	54.00	13.30	PK
	H	16500.00	22.46	42.40	54.00	11.60	PK
5600	V	5594.36	40.80	104.80	/	/	PK
	V	11200.00	16.78	41.10	54.00	12.90	PK
	H	11250.00	16.89	42.40	54.00	11.60	PK
	H	16800.00	22.73	45.30	54.00	8.70	PK
5700	V	5703.60	40.80	104.20	/	/	PK
	V	5725.00	48.80	52.50	68.20	15.70	AV
	H	11400.00	17.08	40.30	54.00	13.70	PK
	V	17100.00	24.04	45.50	54.00	8.50	PK
5720	V	5725.53	40.80	104.50	/	/	PK
	H	11440.00	17.08	40.30	54.00	13.70	PK
	V	17160.00	24.04	45.40	54.00	8.60	PK

Mode 802.11n40

Freq (MHz)	Antenna	Frequency (MHz)	Correct Factor (dB/m)	Corrected Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
5270	V	5278.56	40.80	104.90	/	/	PK
	V	10540.00	15.07	41.60	54.00	12.40	PK
	V	10700.00	15.24	42.10	54.00	11.90	PK
	H	15810.00	23.56	43.40	54.00	10.60	PK
5310	V	5317.85	40.80	105.10	/	/	PK
	v	5350.00	40.80	49.50	68.20	18.70	PK
	V	10620.00	15.18	41.20	54.00	12.80	PK
	V	15930.00	23.52	42.70	54.00	11.30	PK
5510	V	5515.60	40.80	104.40	/	/	PK
	V	5470.00	40.80	51.80	68.20	16.40	PK
	H	11020.00	16.30	40.00	54.00	14.00	PK
	V	16530.00	22.44	43.40	54.00	10.60	PK
5590	V	5568.41	40.80	104.40	/	/	PK
	V	11180.00	16.66	40.30	54.00	13.70	PK
	V	11300.00	16.84	41.90	54.00	12.10	PK
	V	16770.00	22.50	44.30	54.00	9.70	PK
5670	V	5678.50	40.80	105.20	/	/	PK
	V	5725.00	40.80	51.60	68.20	16.60	PK
	V	11340.00	16.98	40.20	54.00	13.80	PK
	H	17010.00	23.68	44.90	54.00	9.10	PK
5710	V	5710.55	40.80	105.10	/	/	PK
	H	11420.00	17.08	40.30	54.00	13.70	PK
	V	17130.00	24.04	45.20	54.00	8.80	PK

Mode 802.11ac80

Freq (MHz)	Antenna	Frequency (MHz)	Correct Factor (dB/m)	Corrected Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
5290	V	5304.70	40.80	105.30	/	/	PK
	V	5350.00	40.80	48.90	68.20	19.30	PK
	V	10580.00	15.07	40.30	54.00	13.70	PK
	H	15870.00	23.63	42.40	54.00	11.60	PK
5530	V	5543.64	40.80	105.40	/	/	PK
	V	5470.00	40.80	51.50	68.20	16.70	PK
	V	11060.00	16.51	41.30	54.00	12.70	PK
	H	16590.00	22.49	43.50	54.00	10.50	PK
5610	V	5612.50	40.80	105.20	/	/	PK
	V	5725.00	40.80	49.40	68.20	18.80	PK
	V	11220.00	16.73	41.30	54.00	12.70	PK
	H	16830.00	23.65	43.90	54.00	10.10	PK
5690	V	5696.99	40.80	105.30	/	/	PK
	V	11375.00	16.73	41.40	54.00	12.60	PK
	H	17068.00	23.65	43.80	54.00	10.20	PK

**Co-location mode for 5G band (With 2.4G Band):**

802.11a

Freq (MHz)	Antenna	Frequency (MHz)	Correct Factor (dB/m)	Corrected Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
5260	V	5264.23	40.80	107.30	/	/	PK
	V	10520.00	15.08	40.50	54.00	13.50	PK
	H	10553.00	15.23	45.50	54.00	8.50	PK
	H	15778.00	23.70	43.60	54.00	10.40	PK
5300	V	5294.40	40.70	107.60	/	/	PK
	H	10450.00	15.15	40.40	54.00	13.60	PK
	V	10800.00	15.45	42.40	54.00	11.60	PK
	V	15900.00	23.58	44.50	54.00	9.50	PK
5320	V	5324.43	40.80	107.70	/	/	PK
	V	5350.00	40.80	49.40	68.20	18.80	PK
	V	10642.00	15.13	40.20	54.00	13.60	PK
	H	15960.00	23.52	43.10	54.00	10.90	PK
5500	V	5501.46	40.80	107.50	/	/	PK
	V	5470.00	40.80	53.40	68.20	14.60	PK
	H	11000.00	16.25	40.70	54.00	13.30	PK
	H	16500.00	22.46	42.40	54.00	11.60	PK
5600	V	5593.22	40.80	108.10	/	/	PK
	V	11200.00	16.78	41.20	54.00	12.80	PK
	H	11250.00	16.89	42.70	54.00	11.30	PK
	H	16800.00	22.73	45.60	54.00	8.40	PK
5700	V	5704.56	40.80	108.40	/	/	PK
	V	5725.00	40.80	52.80	68.20	15.40	PK
	H	11400.00	17.08	40.00	54.00	14.00	PK
	V	17100.00	24.04	45.30	54.00	8.70	PK
5720	V	5762.45	40.80	108.80	/	/	PK
	H	11444.00	17.08	40.40	54.00	13.60	PK
	V	17160.00	24.04	45.40	54.00	8.60	PK

802.11n20

Freq (MHz)	Antenna	Frequency (MHz)	Correct Factor (dB/m)	Corrected Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
5260	V	5262.34	40.80	106.40	/	/	PK
	V	10520.00	15.08	40.40	54.00	13.60	PK
	H	10557.00	15.21	46.20	54.00	7.80	PK
	H	15780.00	23.70	43.40	54.00	10.60	PK
5300	V	5305.06	40.80	105.90	/	/	PK
	H	10600.00	15.12	40.40	54.00	13.60	PK
	V	10800.00	15.45	42.30	54.00	11.70	PK
	V	15900.00	23.58	44.20	54.00	9.80	PK
5320	V	5325.66	40.80	105.20	/	/	PK
	H	5350.00	40.80	49.80	68.20	18.40	PK
	V	10640.00	15.16	40.40	54.00	13.60	PK
	H	15960.00	23.52	42.70	54.00	11.30	PK
5500	V	5502.65	40.80	104.80	/	/	PK
	V	5470.00	40.80	53.50	68.20	14.70	PK
	H	11000.00	16.25	40.70	54.00	13.30	PK
	H	16500.00	22.46	42.40	54.00	11.60	PK
5600	V	5594.36	40.80	104.80	/	/	PK
	V	11200.00	16.78	41.10	54.00	12.90	PK
	H	11250.00	16.89	42.40	54.00	11.60	PK
	H	16800.00	22.73	45.30	54.00	8.70	PK
5700	V	5703.60	40.80	104.20	/	/	PK
	V	5725.00	48.80	52.40	68.20	15.80	AV
	H	11400.00	17.08	40.30	54.00	13.70	PK
	V	17100.00	24.04	45.50	54.00	8.50	PK
5720	V	5725.53	40.80	104.50	/	/	PK
	H	11440.00	17.08	40.30	54.00	13.70	PK
	V	17160.00	24.04	45.40	54.00	8.60	PK



Mode 802.11n40

Freq (MHz)	Antenna	Frequency (MHz)	Correct Factor (dB/m)	Corrected Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
5270	V	5278.56	40.80	104.90	/	/	PK
	V	10540.00	15.07	41.60	54.00	12.40	PK
	V	10700.00	15.24	42.10	54.00	11.90	PK
	H	15810.00	23.56	43.40	54.00	10.60	PK
5310	V	5317.85	40.80	105.10	/	/	PK
	v	5350.00	40.80	49.50	68.20	18.70	PK
	V	10620.00	15.18	41.20	54.00	12.80	PK
	V	15930.00	23.52	42.70	54.00	11.30	PK
5510	V	5515.60	40.80	104.40	/	/	PK
	V	5470.00	40.80	51.80	68.20	16.40	PK
	H	11020.00	16.30	40.00	54.00	14.00	PK
	V	16530.00	22.44	43.40	54.00	10.60	PK
5590	V	5568.41	40.80	104.40	/	/	PK
	V	11180.00	16.66	40.30	54.00	13.70	PK
	V	11300.00	16.84	41.90	54.00	12.10	PK
	V	16770.00	22.50	44.30	54.00	9.70	PK
5670	V	5678.50	40.80	105.20	/	/	PK
	V	5725.00	40.80	51.60	68.20	16.60	PK
	V	11340.00	16.98	40.20	54.00	13.80	PK
	H	17010.00	23.68	44.90	54.00	9.10	PK
5710	V	5710.55	40.80	105.10	/	/	PK
	H	11420.00	17.08	40.30	54.00	13.70	PK
	V	17130.00	24.04	45.20	54.00	8.80	PK

Mode 802.11ac80

Freq (MHz)	Antenna	Frequency (MHz)	Correct Factor (dB/m)	Corrected Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
5290	V	5304.70	40.80	105.30	/	/	PK
	V	5350.00	40.80	48.80	68.20	19.40	PK
	V	10580.00	15.07	40.30	54.00	13.70	PK
	H	15870.00	23.63	42.40	54.00	11.60	PK
5530	V	5543.64	40.80	105.40	/	/	PK
	V	5470.00	40.80	51.50	68.20	16.70	PK
	V	11060.00	16.51	41.30	54.00	12.70	PK
	H	16590.00	22.49	43.50	54.00	10.50	PK
5610	V	5612.50	40.80	105.20	/	/	PK
	V	5725.00	40.80	49.40	68.20	18.80	PK
	V	11220.00	16.73	41.30	54.00	12.70	PK
	H	16830.00	23.65	43.90	54.00	10.10	PK
5690	V	5696.99	40.80	105.30	/	/	PK
	V	11375.00	16.73	41.40	54.00	12.60	PK
	H	17068.00	23.65	43.70	54.00	10.30	PK

Remark:

1. For fundamental & restrict emission test, no amplifier is employed.
2. Factor = Antenna Factor + Cable Loss (-Amplifier, is employed);
3. Measure level = Reading Level + Factor;
4. Over Limit = Measure level – limit;
5. If the PK reading is lower than AV limit, the AV test can be elided.

Example:

Assuming Antenna Factor = 30.20dB/m, Cable Loss = 2.00dB,  
 Gain of Preamplifier = 32.00dB, Original Receiver Reading level = 10dBuV.  
 Then Factor = 30.20 + 2.00 – 32.00 = 0.20dB/m;  
 Measure level = 10dBuV + 0.20dB/m = 10.20dBuV/m  
 Assuming limit = 54dBuV/m, Measure level = 10.20dBuV/m,  
 then Over Limit = 10.20 - 54= -43.80dBuV/m

## 7. Power line conducted emission

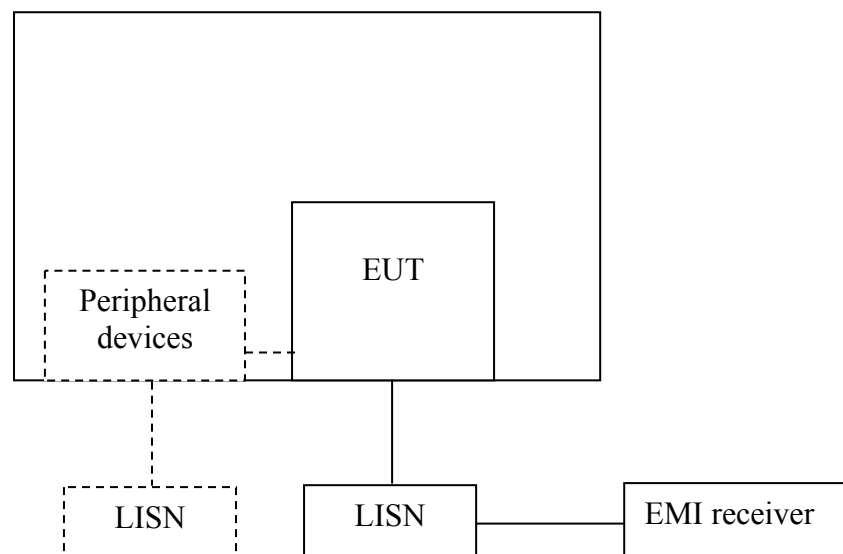
Test result: Pass

### 7.1 Limit

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	QP	AV
0.15-0.5	66 to 56*	56 to 46 *
0.5-5	56	46
5-30	60	50

\* Decreases with the logarithm of the frequency.

### 7.2 Test configuration



For table top equipment, wooden support is 0.8m height table

For floor standing equipment, wooden support is 0.1m height rack.

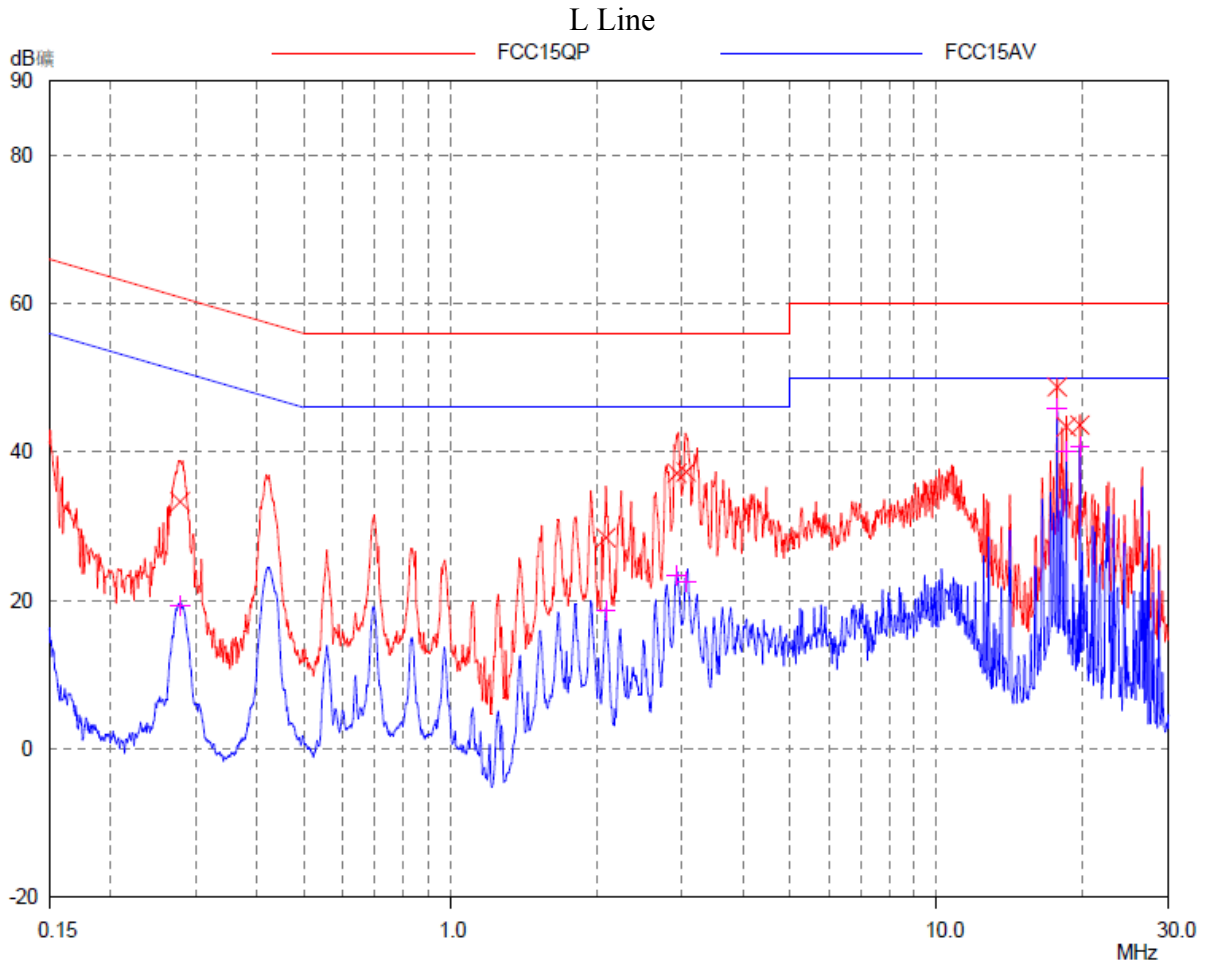
### 7.3 Test procedure and test set up

The EUT are connected to the main power through a line impedance stabilization network (LISN). This provides a  $50\Omega/50\mu\text{H}$  coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a  $50\Omega/50\mu\text{H}$  coupling impedance with  $50\Omega$  termination.

Both sides (Line and Neutral) of AC line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4 on conducted measurement. The bandwidth of the test receiver is set at 9 kHz.

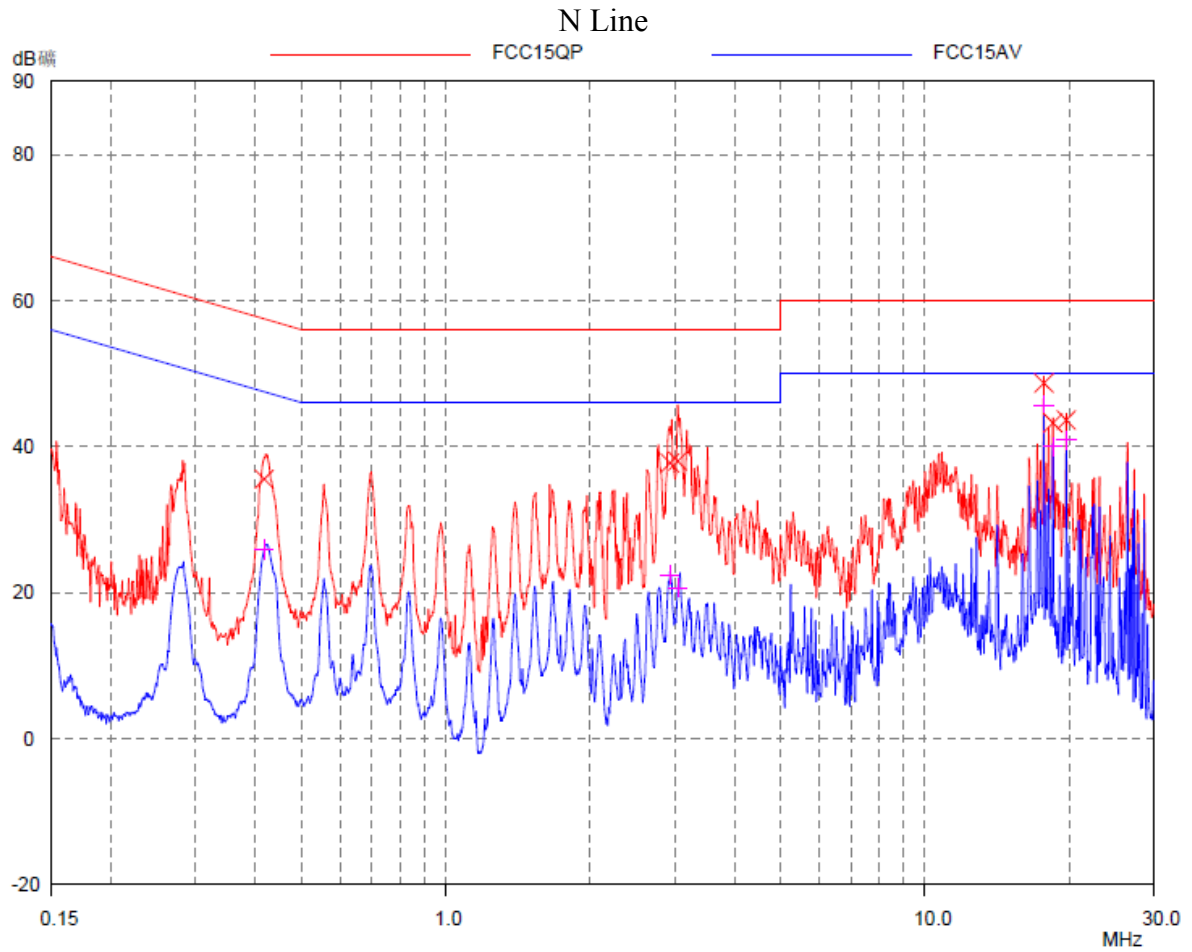
### 7.4 Test protocol

Temperature : 25 °C  
 Relative Humidity : 55 %



### Test Data:

Frequency (MHz)	Quasi-peak			Average		
	level dB(µV)	Limit dB(µV)	Margin (dB)	level dB(µV)	limit dB(µV)	Margin (dB)
0.28	33.32	60.86	27.54	19.34	50.86	31.52
2.09	28.47	56.00	27.53	18.67	46.00	27.33
2.92	37.14	56.00	18.86	23.30	46.00	22.70
3.06	37.33	56.00	18.67	22.50	46.00	23.50
17.70	48.77	60.00	11.23	45.85	50.00	4.15
18.49	43.41	60.00	16.59	40.15	50.00	9.85
19.71	43.63	60.00	16.37	40.77	50.00	9.23



**Test Data:**

Frequency (MHz)	Quasi-peak			Average		
	level dB(μV)	Limit dB(μV)	Margin (dB)	level dB(μV)	limit dB(μV)	Margin (dB)
0.42	35.56	57.51	21.95	25.90	47.51	21.61
2.94	37.76	56.00	18.24	22.47	46.00	23.53
3.04	38.02	56.00	17.98	20.70	46.00	25.30
17.70	48.69	60.00	11.31	45.70	50.00	4.30
18.49	43.27	60.00	16.73	39.95	50.00	10.05
19.71	43.63	60.00	16.37	40.90	50.00	9.10

**Appendix: Test Graph of Duty Cycle**

