

1 / 1

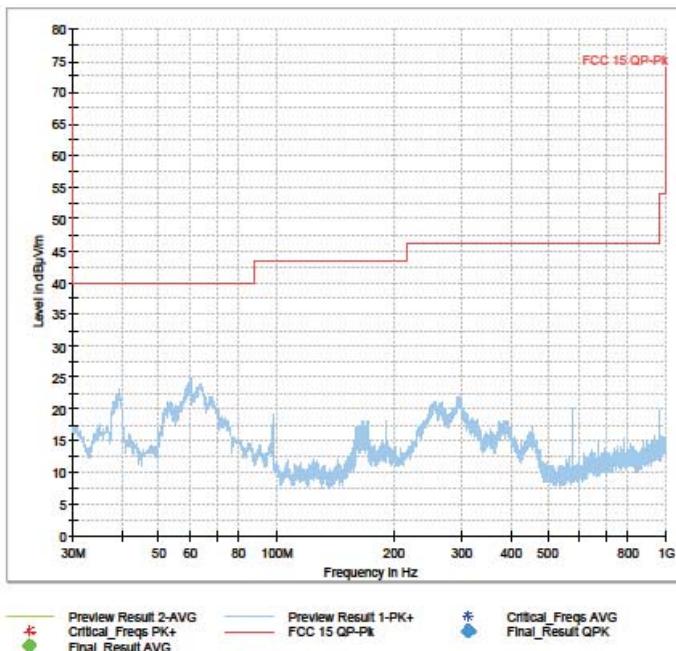
## 30MHz-1GHz\_Ch\_11\_HT20\_2x2\_(Tx- 17dBm)\_CDD

### Final\_Result

Frequency (MHz)	Quasi Peak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
—	—	—	—	—	—	—	—	—	—	—

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
—	—



5/4/2018

4:14:14 PM

1 / 1

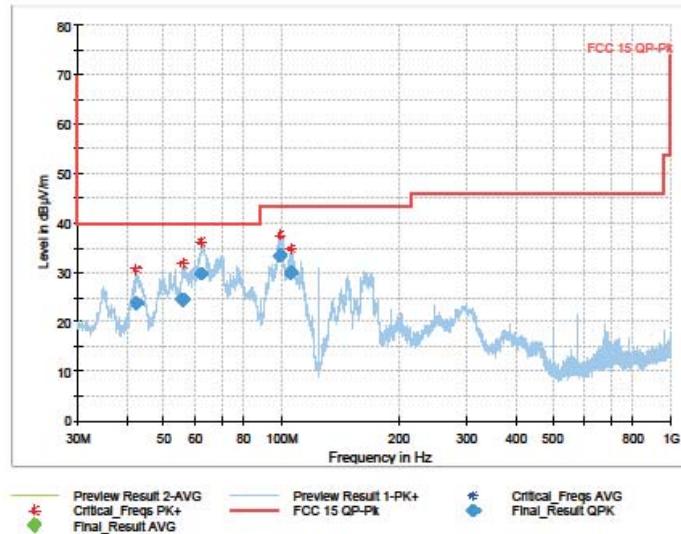
## 30MHz-1GHz\_Ch\_1\_VHT20\_2x2\_(Tx- 17dBm)\_BF\_Mode1

### Final Result

Frequency (MHz)	Quasi Peak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
42.360000	23.79	—	40.00	16.21	2.0	100.000	100.0	V	325.0	-19.3
55.800000	24.38	—	40.00	15.62	2.0	100.000	100.0	V	8.0	-24.3
62.280000	29.73	—	40.00	10.27	2.0	100.000	106.3	V	306.0	-24.0
99.320000	33.49	—	43.52	10.03	2.0	100.000	117.9	V	219.0	-21.4
106.040000	29.99	—	43.52	13.53	2.0	100.000	122.7	V	350.0	-19.6

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
42.360000	
55.800000	
62.280000	
99.320000	
106.040000	



5/4/2018

5:02:22 PM

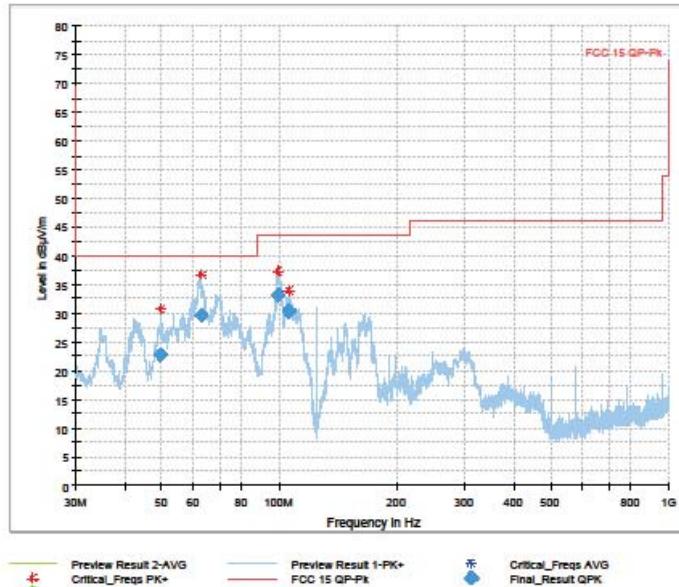
1 / 1

**30MHz-1GHz\_Mode2-Ethernet\_ON\_Traffic\_OFF****Final Result**

Frequency (MHz)	Quasi Peak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
49.560000	22.63	—	40.00	17.31	2.0	100.000	106.2	V	319.0	-23.4
63.000000	23.57	—	40.00	10.33	2.0	100.000	103.9	V	122.0	-24.0
99.640000	33.20	—	43.52	10.32	2.0	100.000	110.3	V	217.0	-21.3
106.040000	30.34	—	43.52	13.18	2.0	100.000	116.1	V	352.0	-19.6

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
49.560000	
63.000000	
99.640000	
106.040000	



5/4/2018

5:40:37 PM

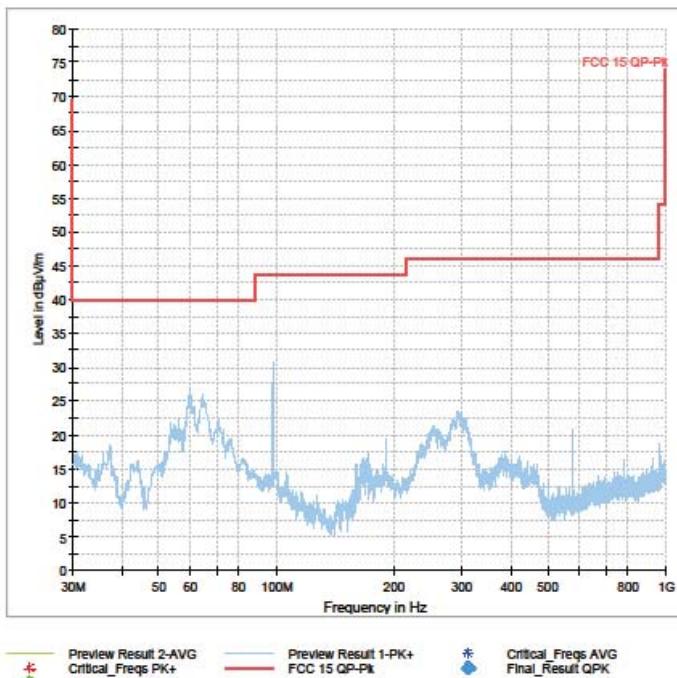
1 / 1

**30MHz-1GHz\_Mode3 -No\_Ethernet\_Traffic\_OFF****Final Result**

Frequency (MHz)	Quasi Peak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
—	—	—	—	—	—	—	—	—	—	—

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
—	—



5/4/2018

6:09:53 PM

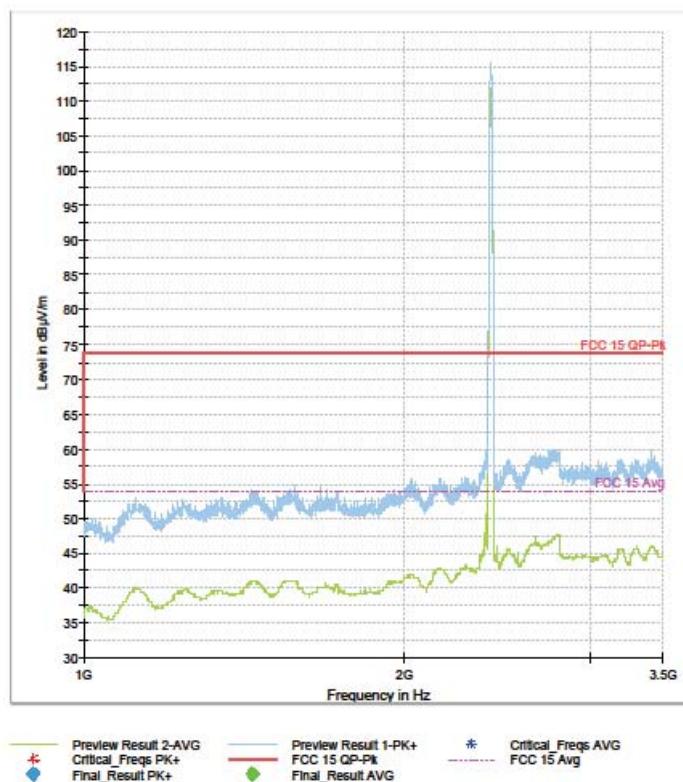
# 1-3.5GHz

1 / 1

## 1-3.5GHz\_Ch\_1\_CCK\_2x2\_(Tx-24dBm)\_CDD

### Final Result

Frequency (MHz)	MaxP peak (dB $\mu$ V/m)	Averag (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
—	—	—	—	—	—	—	—	—	—	—



5/2/2018

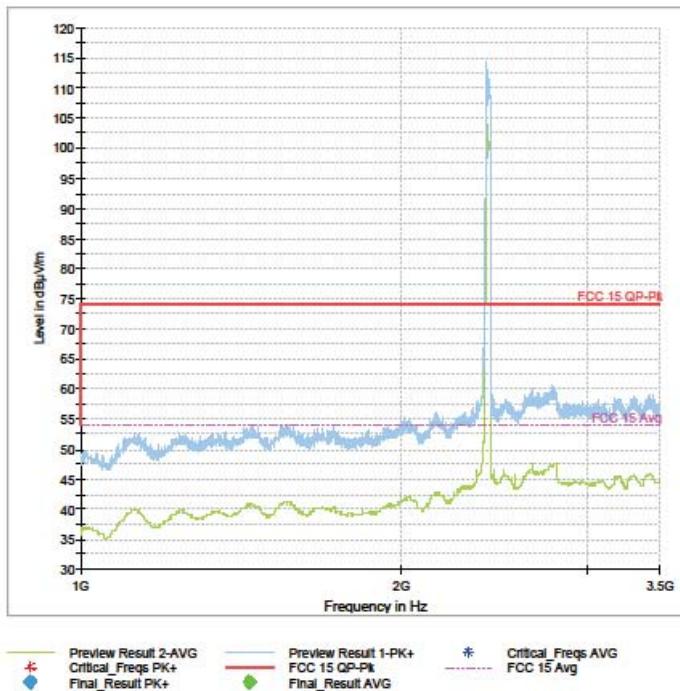
11:19:30 AM

**1-3.5GHz\_Ch\_1\_HT20\_2x2\_(Tx-18dBm)\_CDD****Final Result**

Frequency (MHz)	MaxP peak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Poi	Azimuth (deg)	Corr. (dB)
-	-	-	-	-	-	-	-	-	-	-

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
-	



5/2/2018

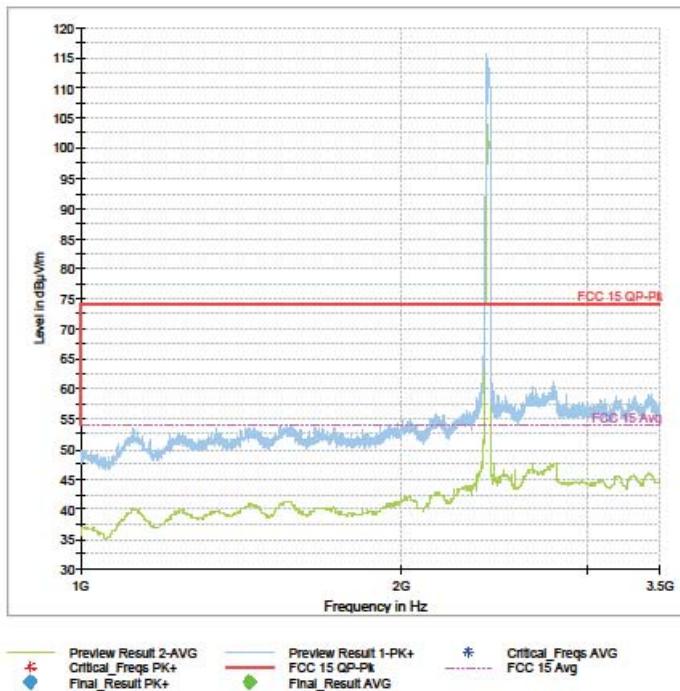
11:48:11 AM

**1-3.5GHz\_Ch\_1\_VHT20\_2x2\_(Tx-18dBm)\_BF****Final Result**

Frequency (MHz)	MaxP peak (dB $\mu$ V/m)	Averge (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Poi	Azimuth (deg)	Corr. (dB)
-	-	-	-	-	-	-	-	-	-	-

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
-	



5/2/2018

12:42:47 PM

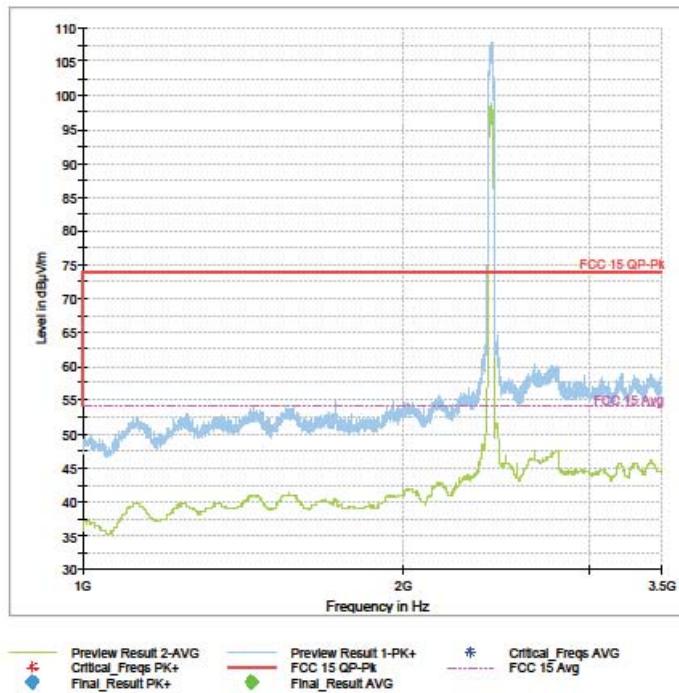
1 / 1

**1-3.5GHz\_Ch\_3\_HT40\_2x2\_(Tx-14.5dBm)\_CDD****Final Result**

Frequency (MHz)	MaxP peak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
-	-	-	-	-	-	-	-	-	-	-

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
-	



5/2/2018

12:15:46 PM

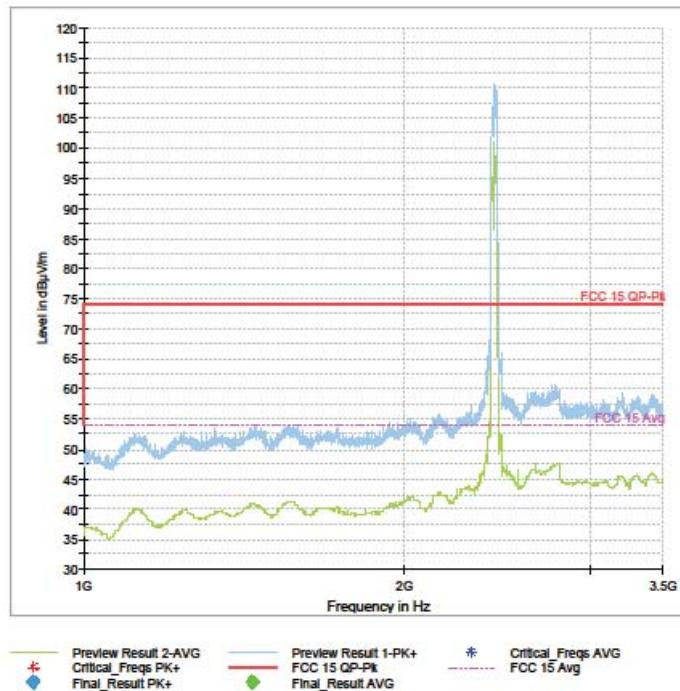
1 / 1

**1-3.5GHz\_Ch\_3\_VHT40\_2x2\_(Tx-15dBm)\_BF****Final Result**

Frequency (MHz)	MaxPeak (dB <sub>V</sub> /V m)	Average (dB <sub>V</sub> /V m)	Limit (dB <sub>V</sub> /V m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	POL	Azimuth (deg)	Corr. (dB)
—	—	—	—	—	—	—	—	—	—	—

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
—	—



5/2/2018

1:17:42 PM

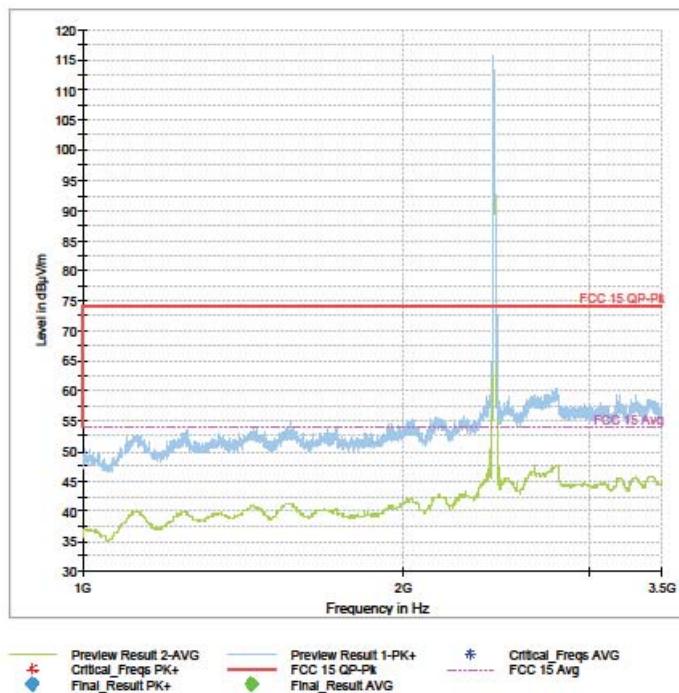
1 / 1

**1-3.5GHz\_Ch\_6\_CCK\_2x2\_(Tx-24dBm)\_CDD****Final Result**

Frequency (MHz)	MaxP peak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Poi	Azimuth (deg)	Corr. (dB)
—	—	—	—	—	—	—	—	—	—	—

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
—	—



5/2/2018

11:30:47 AM

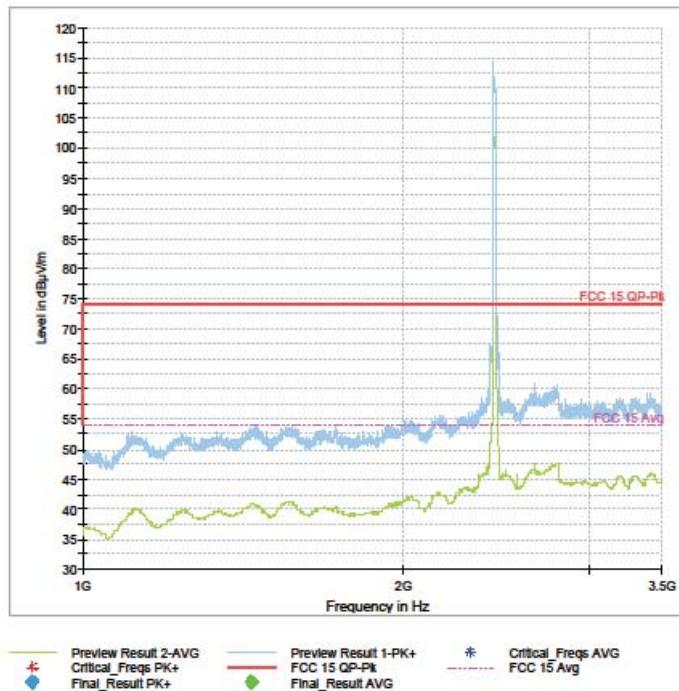
1 / 1

**1-3.5GHz\_Ch\_6\_HT20\_2x2\_(Tx-18dBm)\_CDD****Final Result**

Frequency (MHz)	MaxP peak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
—	—	—	—	—	—	—	—	—	—	—

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
—	—



5/2/2018

11:55:56 AM

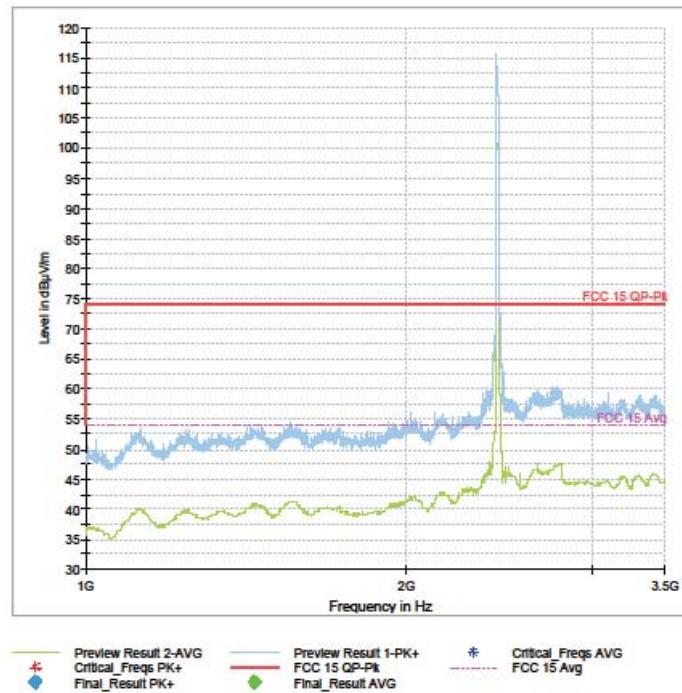
1 / 1

**1-3.5GHz\_Ch\_6\_VHT20\_2x2\_(Tx-18dBm)\_BF****Final Result**

Frequency (MHz)	MaxP eak (dBµV/m)	Avera ge (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
—	—	—	—	—	—	—	—	—	—	—

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Com ment
—	—



5/2/2018

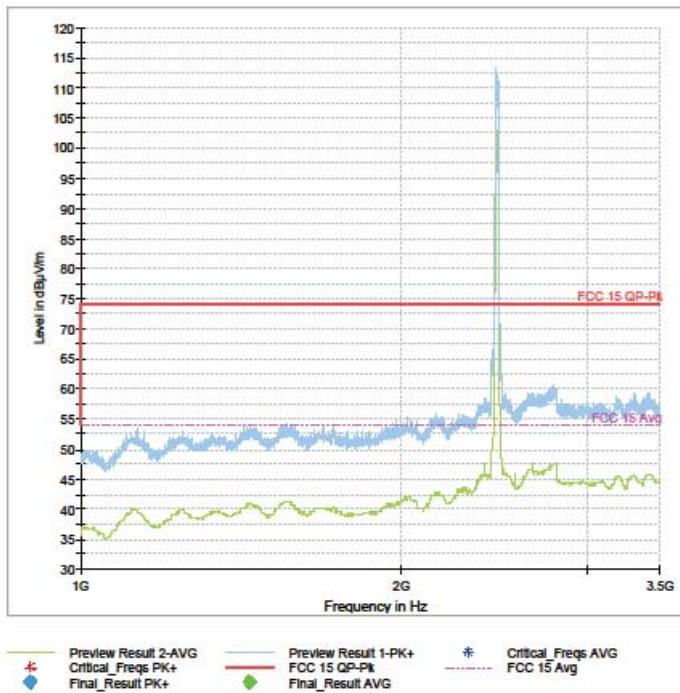
1:00:17 PM

**1-3.5GHz\_Ch\_11\_HT20\_2x2\_(Tx-17dBm)\_CDD****Final Result**

Frequency (MHz)	MaxP peak (dB $\mu$ V/m)	Averge (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Poi	Azimuth (deg)	Corr. (dB)
-	-	-	-	-	-	-	-	-	-	-

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
-	



5/2/2018

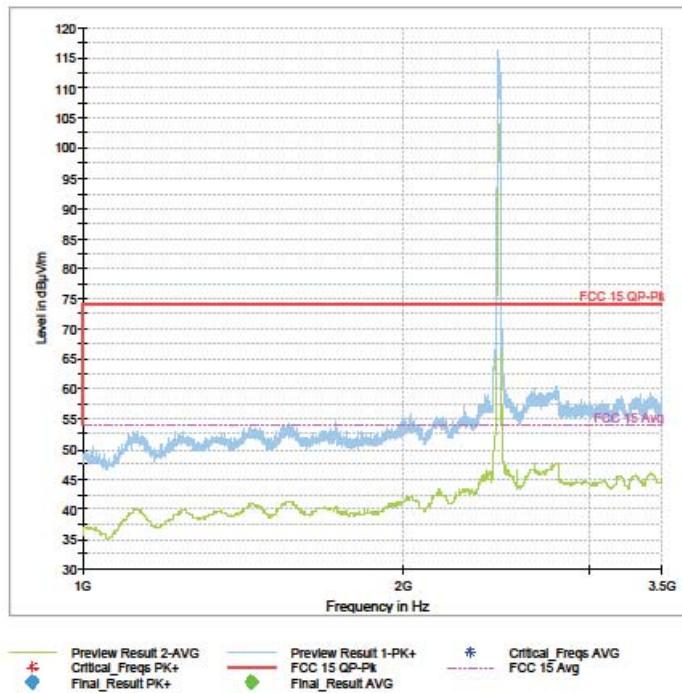
12:05:42 PM

**1-3.5GHz\_Ch\_11\_VHT20\_2x2\_(Tx-17dBm)\_BF****Final Result**

Frequency (MHz)	MaxP peak (dB $\mu$ V/m)	Averge (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Poi	Azimuth (deg)	Corr. (dB)
-	-	-	-	-	-	-	-	-	-	-

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
-	



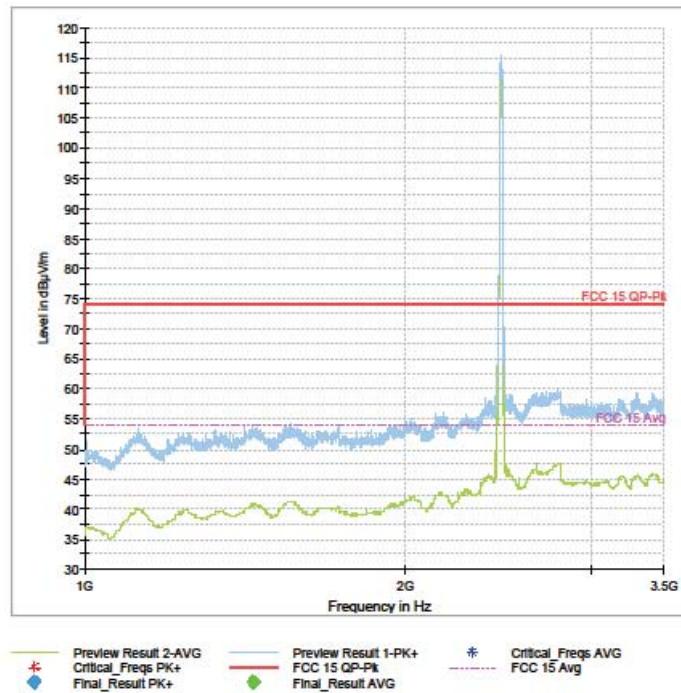
1 / 1

**1-3.5GHz\_Ch\_11\_CCK\_2x2\_(Tx-24dBm)\_CDD****Final Result**

Frequency (MHz)	MaxP peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB)
-	-	-	-	-	-	-	-	-	-	-

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
-	



5/2/2018

11:38:44 AM

## 3.5 -18GHz

1 / 1

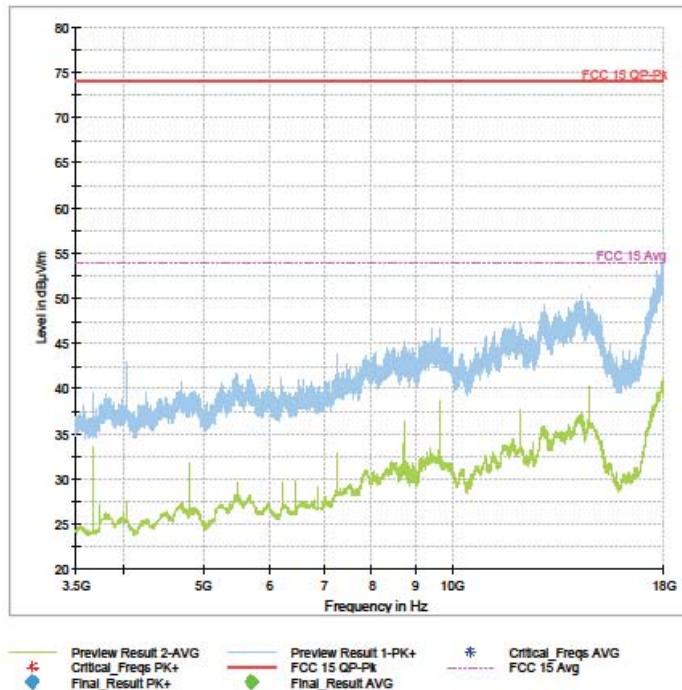
### 3.5-18GHz\_Ch\_1\_CCK\_2x2\_(Tx-23.5dBm)\_CDD

#### Final Result

Frequency (MHz)	MaxPeak (dB <sub>V</sub> /Vm)	Average (dB <sub>V</sub> /Vm)	Limit (dB <sub>V</sub> /Vm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
--	--	--	--	--	--	--	--	--	--	--

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
--	--

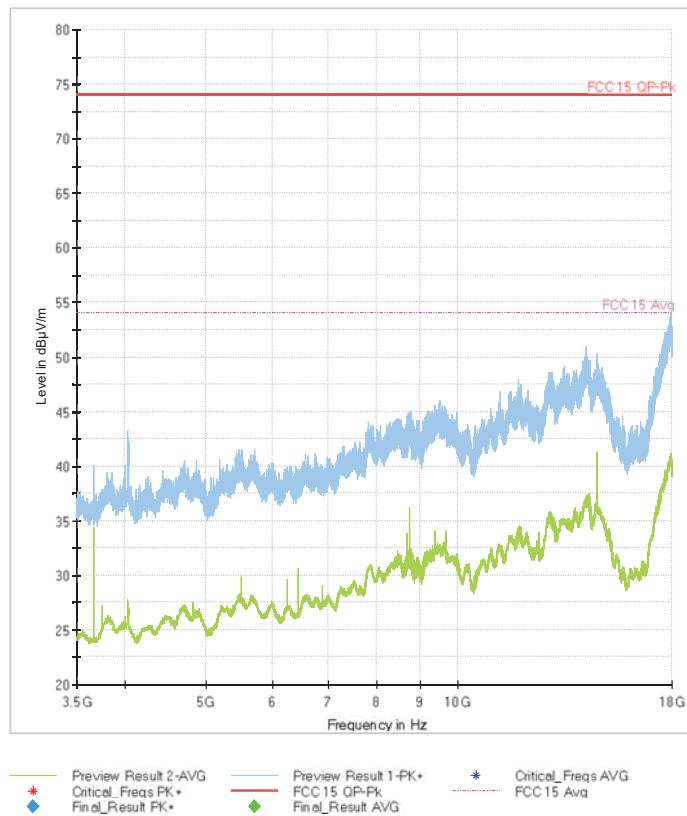


5/3/2018

10:21:00 PM

**3.5-18GHz\_Ch\_1\_HT20\_2x2\_(Tx-17dBm)\_CDD****Final\_Result**

Frequency (MHz)	MaxPeak (dB $\mu$ V)	Average (dB $\mu$ V)	Limit (dB $\mu$ V /m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)



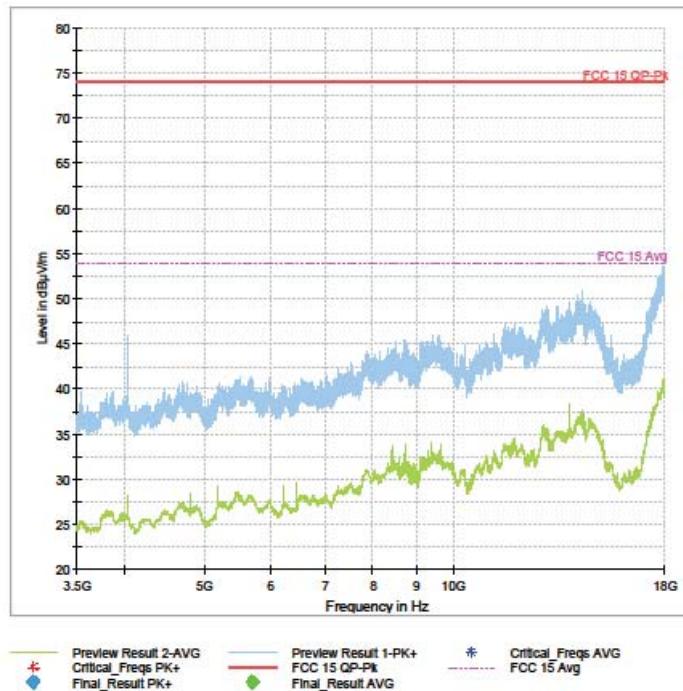
1 / 1

**3.5-18GHz\_Ch\_1\_VHT20\_2x2\_(Tx-17dBm)\_BF****Final Result**

Frequency (MHz)	MaxP peak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Poi	Azimuth (deg)	Corr. (dB)
-	-	-	-	-	-	-	-	-	-	-

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
-	



5/3/2018

7:52:28 PM

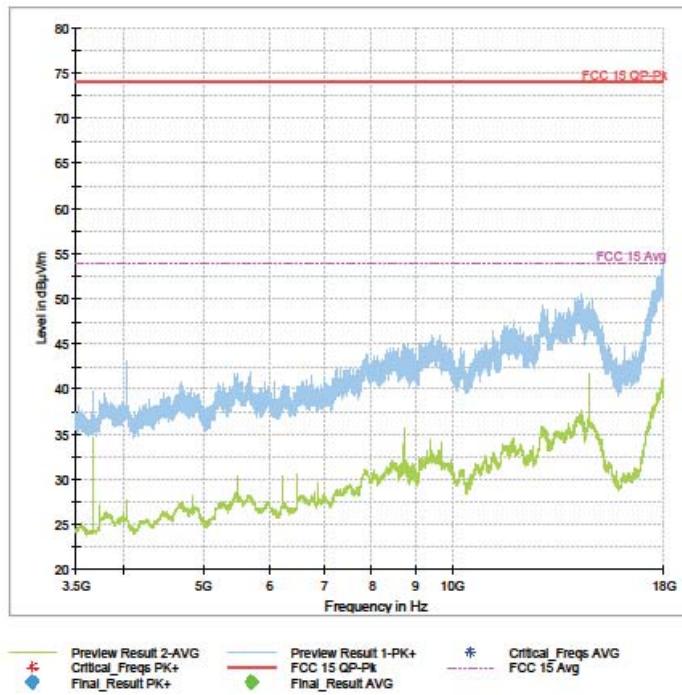
1 / 1

**3.5-18GHz\_Ch\_3\_HT40\_2x2\_(Tx-13.5dBm)\_CDD****Final Result**

Frequency (MHz)	MaxP peak (dB $\mu$ V/m)	Averge (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Poi	Azimuth (deg)	Corr. (dB)
-	-	-	-	-	-	-	-	-	-	-

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
-	



5/3/2018

8:23:30 PM

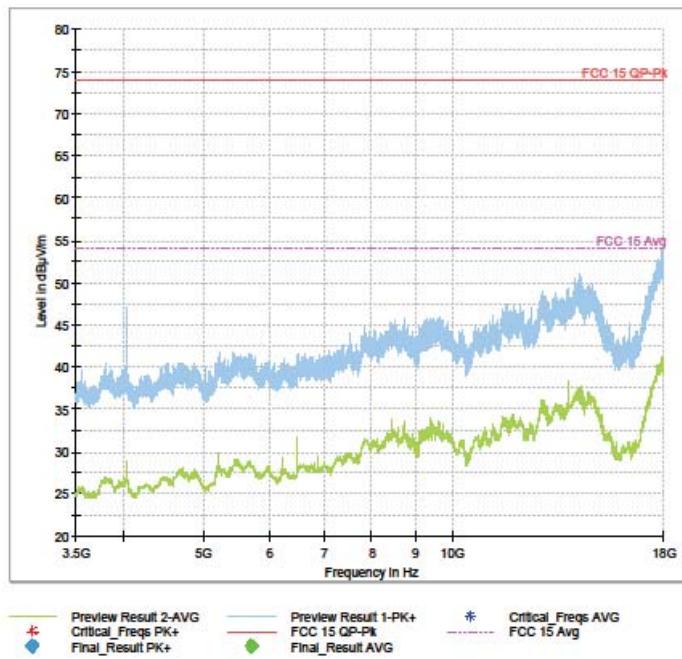
### 3.5-18GHz\_Ch\_3\_HT40\_BF\_2x2\_(Tx-14dBm)\_CDD

**Final Result**

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB)
—	—	—	—	—	—	—	—	—	—	—

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
—	—



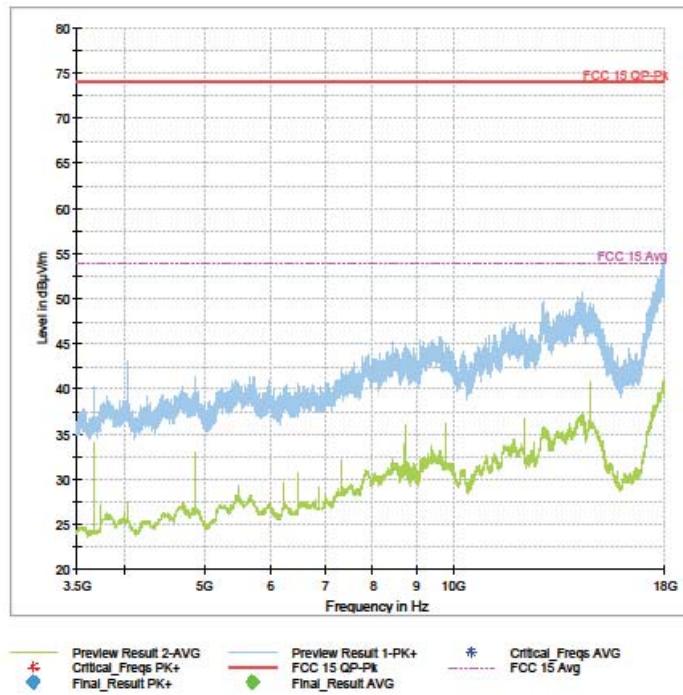
1 / 1

**3.5-18GHz\_Ch\_6\_CCK\_2x2\_(Tx-23.5dBm)\_CDD****Final Result**

Frequency (MHz)	MaxP peak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Poi	Azimuth (deg)	Corr. (dB)
-	-	-	-	-	-	-	-	-	-	-

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
-	



5/3/2018

10:02:48 PM

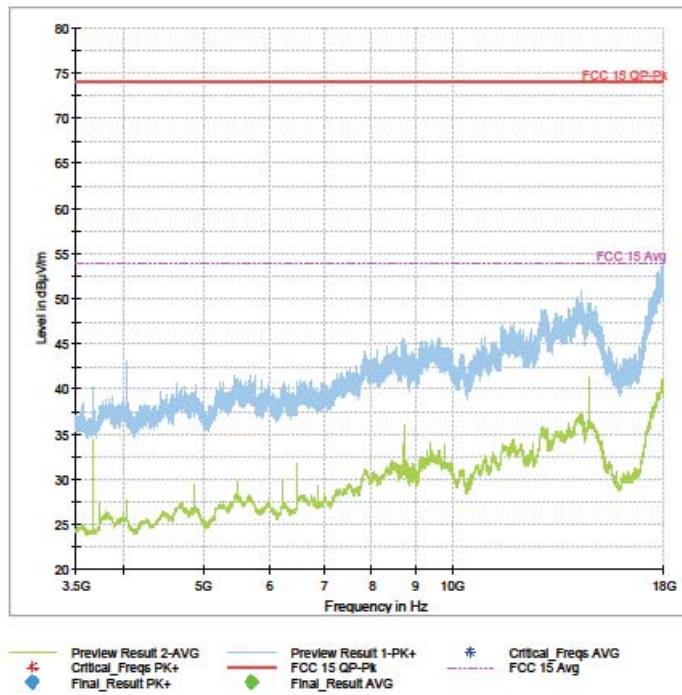
1 / 1

**3.5-18GHz\_Ch\_6\_HT20\_2x2\_(Tx-17dBm)\_CDD****Final Result**

Frequency (MHz)	MaxP peak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Poi	Azimuth (deg)	Corr. (dB)
-	-	-	-	-	-	-	-	-	-	-

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
-	



5/3/2018

9:02:47 PM

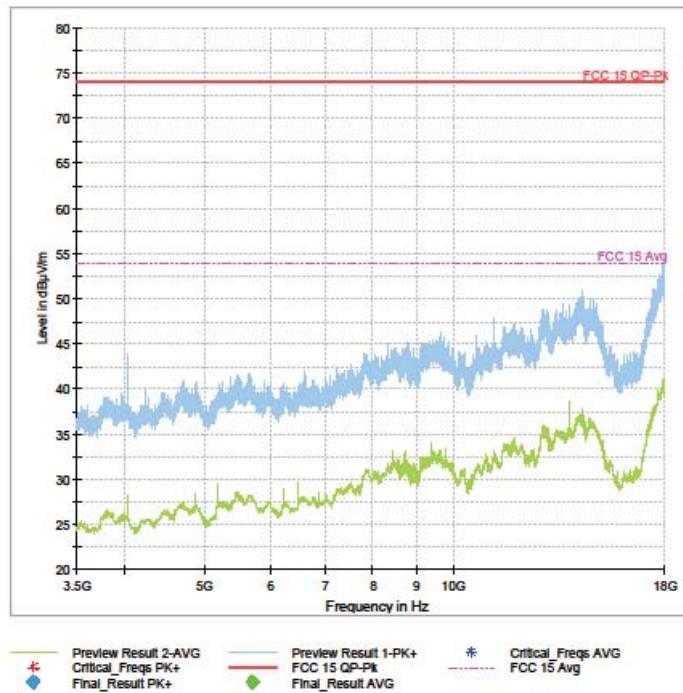
1 / 1

**3.5-18GHz\_Ch\_6\_VHT20\_2x2\_(Tx-17dBm)\_BF****Final Result**

Frequency (MHz)	MaxP peak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Poi	Azimuth (deg)	Corr. (dB)
-	-	-	-	-	-	-	-	-	-	-

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
-	



5/3/2018

7:30:41 PM

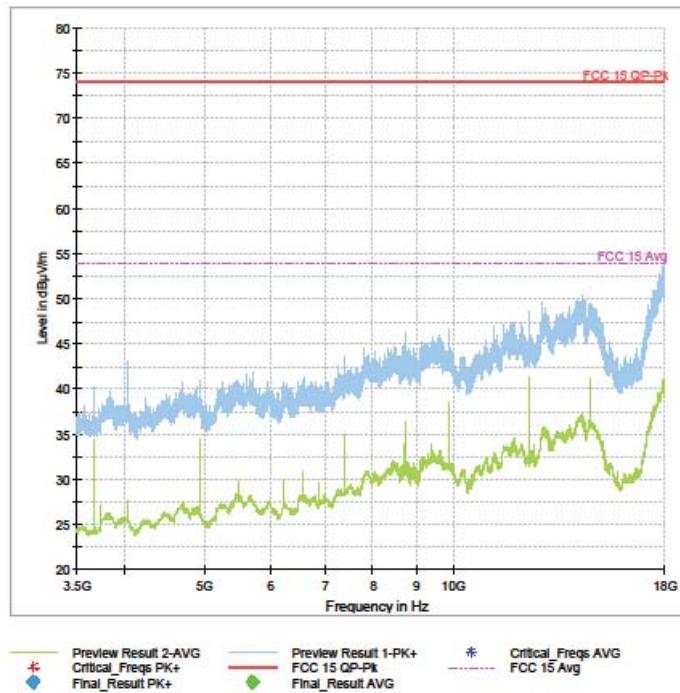
1 / 1

**3.5-18GHz\_Ch\_11\_CCK\_2x2\_(Tx-23.5dBm)\_CDD****Final Result**

Frequency (MHz)	MaxP peak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
—	—	—	—	—	—	—	—	—	—	—

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
—	—



5/3/2018

9:44:34 PM

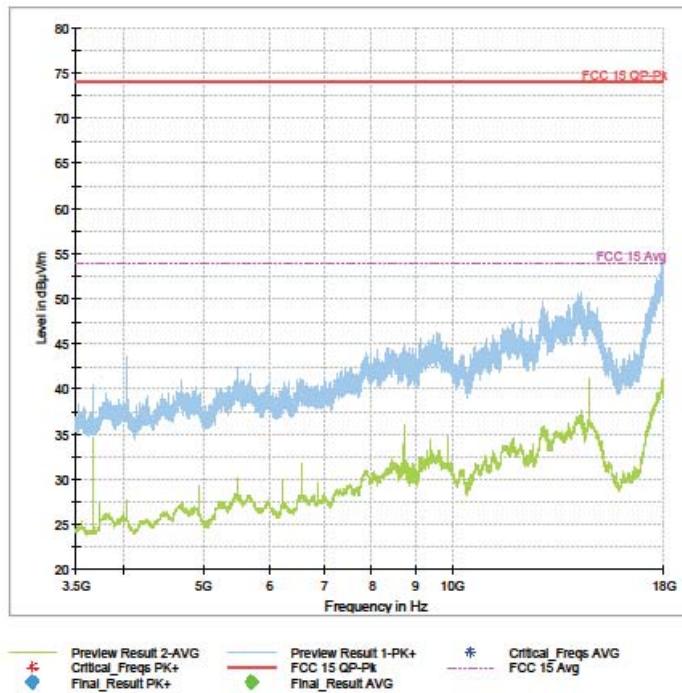
1 / 1

**3.5-18GHz\_Ch\_11\_HT20\_2x2\_(Tx-17dBm)\_CDD****Final Result**

Frequency (MHz)	MaxP peak (dB $\mu$ V/m)	Averge (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
-	-	-	-	-	-	-	-	-	-	-

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
-	



5/3/2018

8:43:33 PM

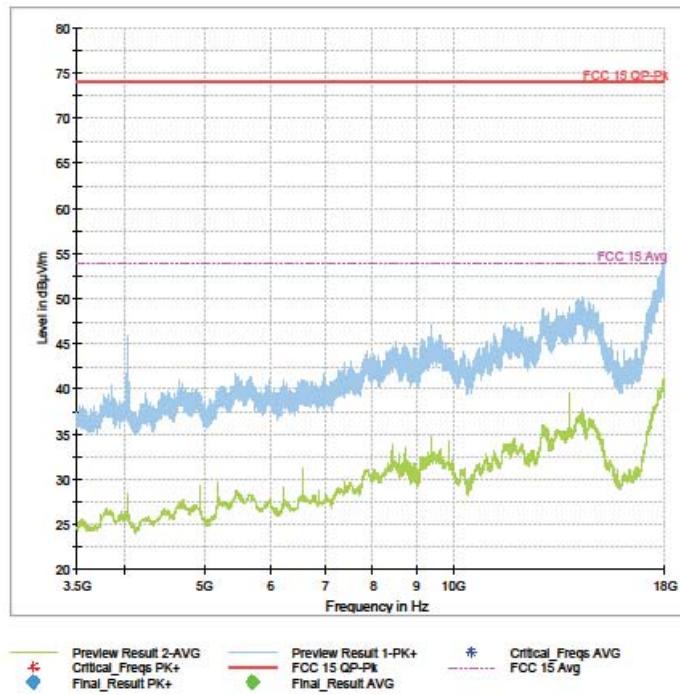
1 / 1

**3.5-18GHz\_Ch\_11\_VHT20\_2x2\_(Tx-17dBm)\_BF****Final Result**

Frequency (MHz)	MaxPeak (dBcV/m)	Average (dBcV/m)	Limit (dBcV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	POL	Azimuth (deg)	Corr. (dB)
—	—	—	—	—	—	—	—	—	—	—

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
—	—



5/3/2018

7:08:09 PM

# 18-25GHz

1 / 1

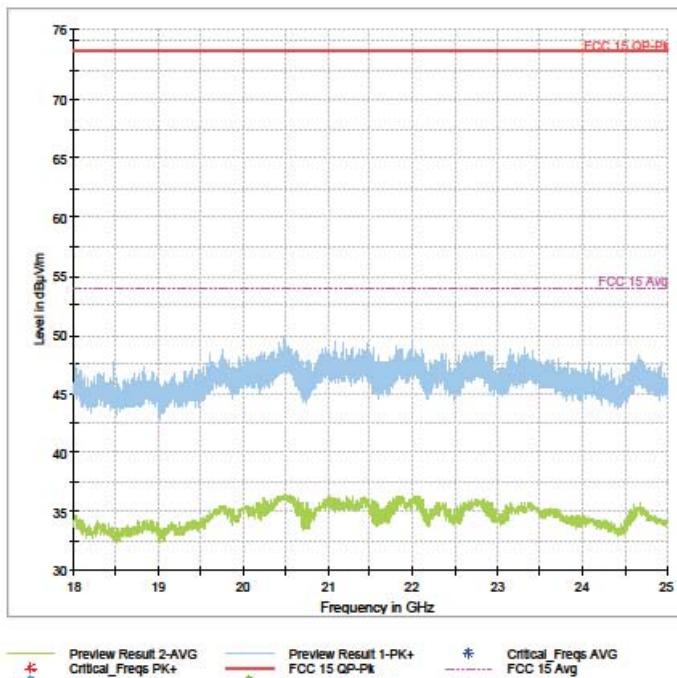
## 18-25GHz\_Ch\_1\_CCK\_2x2\_(Tx-24dBm)\_CDD

### Final Result

Frequency (MHz)	MaxP eak (dB <sub>1</sub> V/m)	Avera ge (dB <sub>1</sub> V/m)	Limit (dB <sub>1</sub> V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
—	—	—	—	—	—	—	—	—	—	—

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Com ment
—	—



5/2/2018

3:00:52 PM

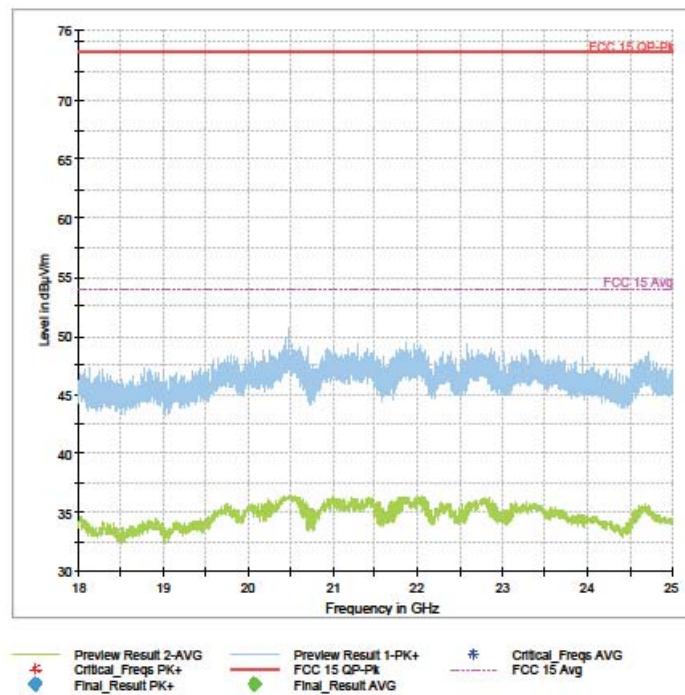
1 / 1

**18-25GHz\_Ch\_1\_HT20\_2x2\_(Tx-18dBm)\_CDD****Final Result**

Frequency (MHz)	MaxPeak (dBcV/m)	Average (dBcV/m)	Limit (dBcV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	POL	Azimuth (deg)	Corr. (dB)
—	—	—	—	—	—	—	—	—	—	—

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
—	—



5/2/2018

3:39:00 PM

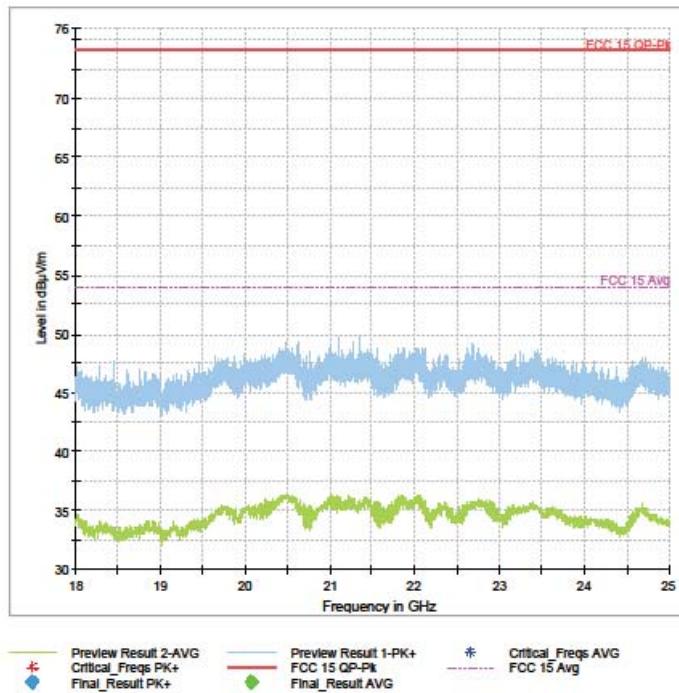
1 / 1

**18-25GHz\_Ch\_1\_VHT20\_2x2\_(Tx-18dBm)\_BF****Final Result**

Frequency (MHz)	MaxPeak (dBcV/m)	Average (dBcV/m)	Limit (dBcV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
—	—	—	—	—	—	—	—	—	—	—

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
—	—



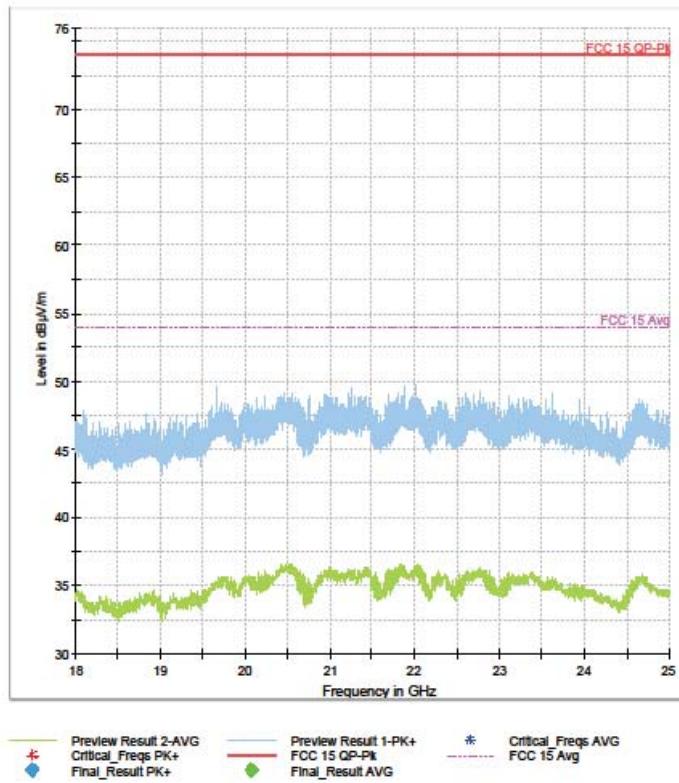
5/2/2018

1:58:15 PM

1 / 1

**18--25GHz\_Ch\_3\_HT40\_2x2\_(Tx-14.5dBm)\_CDD****Final Result**

Frequency (MHz)	MaxPeak (dB <sub>Pt</sub> /V/m)	Average (dB <sub>Pt</sub> /V/m)	Limit (dB <sub>Pt</sub> /V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
--	--	--	--	--	--	--	--	--	--	--



5/2/2018

4:37:34 PM

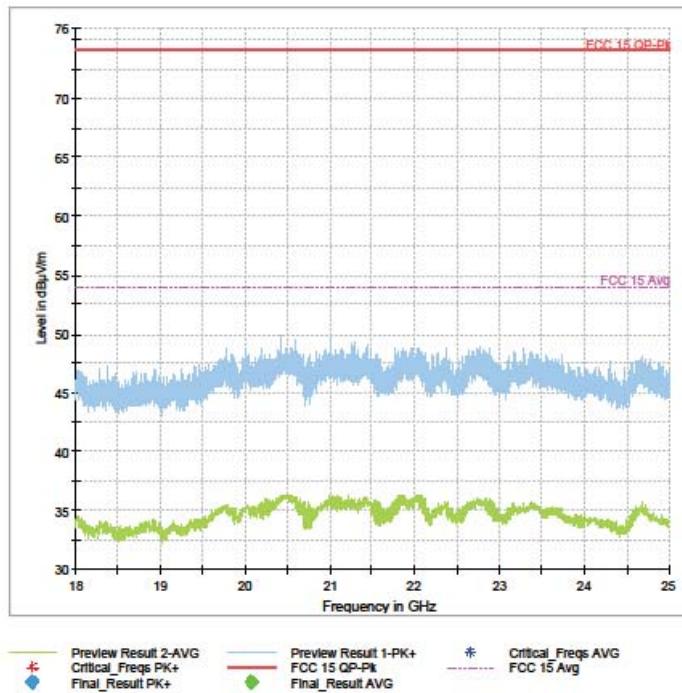
1 / 1

**18-25GHz\_Ch\_3\_VHT40\_2x2\_(Tx-15dBm)\_BF****Final Result**

Frequency (MHz)	MaxP peak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Poi	Azimuth (deg)	Corr. (dB)
-	-	-	-	-	-	-	-	-	-	-

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
-	



5/2/2018

2:40:42 PM

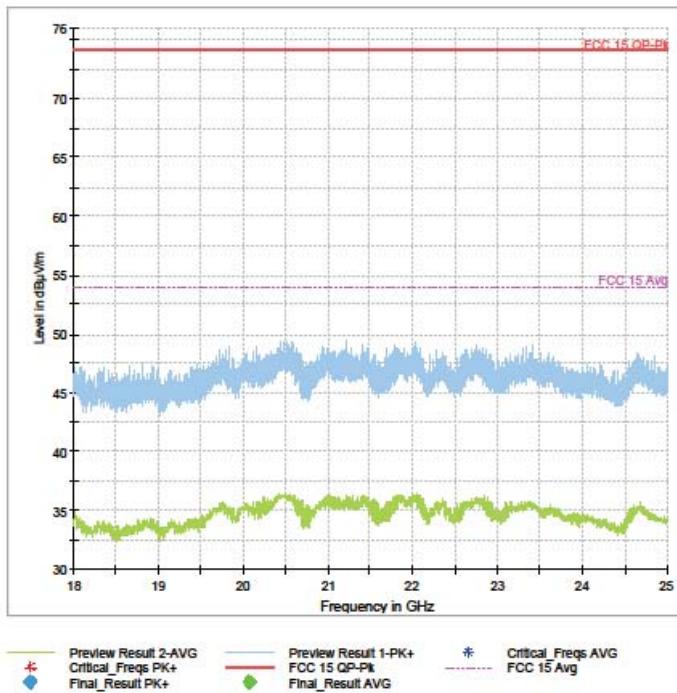
1 / 1

**18-25GHz\_Ch\_6\_CCK\_2x2\_(Tx-24dBm)\_CDD****Final Result**

Frequency (MHz)	MaxPeak (dBcV/m)	Average (dBcV/m)	Limit (dBcV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	POL	Azimuth (deg)	Corr. (dB)
—	—	—	—	—	—	—	—	—	—	—

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
—	—



5/2/2018

3:22:54 PM

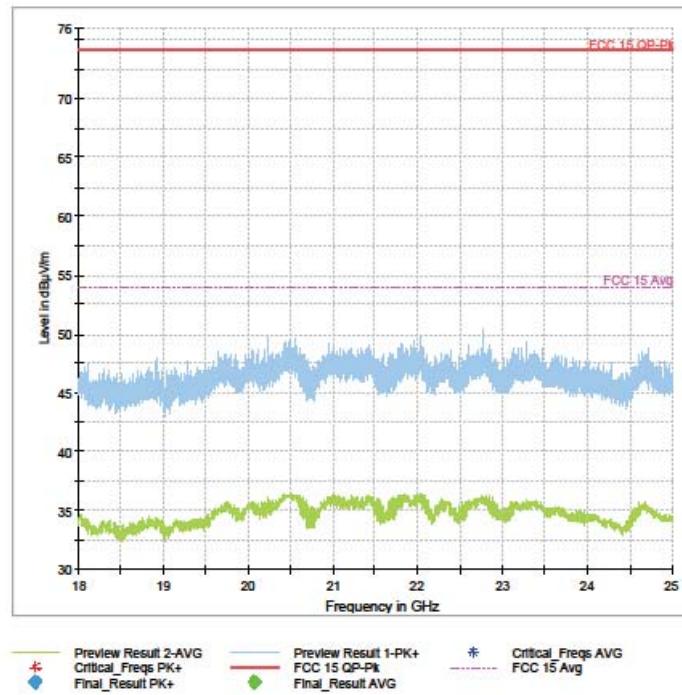
1 / 1

**18-25GHz\_Ch\_6\_HT20\_2x2\_(Tx-18dBm)\_CDD****Final Result**

Frequency (MHz)	MaxPeak (dBcV/m)	Average (dBcV/m)	Limit (dBcV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	POL	Azimuth (deg)	Corr. (dB)
—	—	—	—	—	—	—	—	—	—	—

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
—	—



5/2/2018

3:52:27 PM

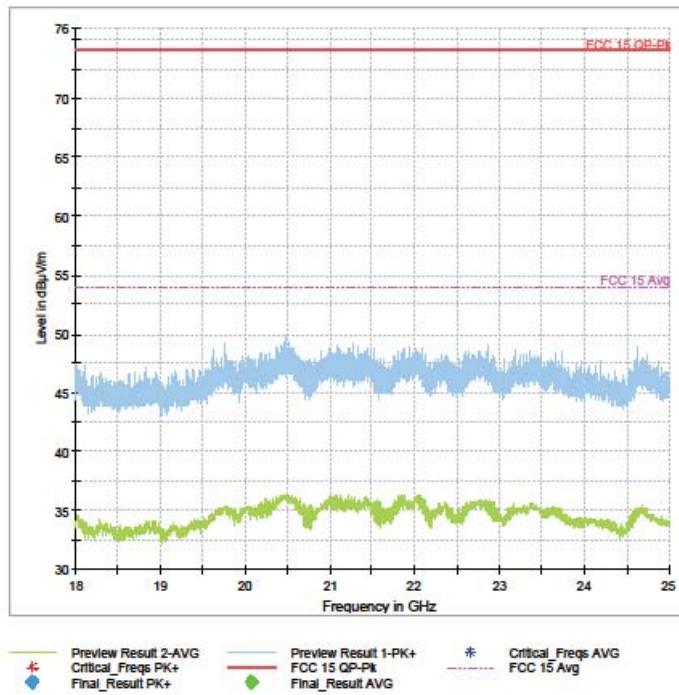
1 / 1

**18-25GHz\_Ch\_6\_VHT20\_2x2\_(Tx-18dBm)\_BF****Final Result**

Frequency (MHz)	MaxPeak (dBcV/m)	Average (dBcV/m)	Limit (dBcV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
—	—	—	—	—	—	—	—	—	—	—

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
—	—



5/2/2018

2:20:17 PM

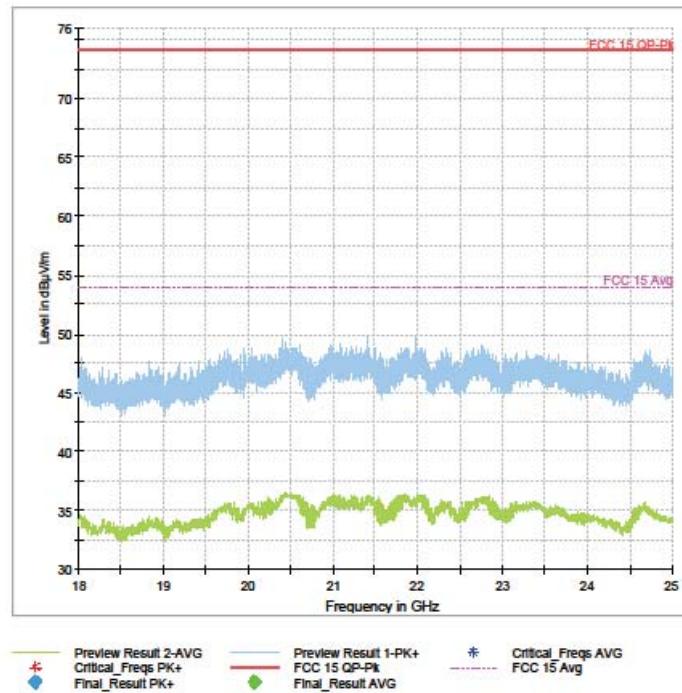
1 / 1

**18-25GHz\_Ch\_11\_CCK\_2x2\_(Tx-24dBm)\_CDD****Final Result**

Frequency (MHz)	MaxPeak (dBcV/m)	Average (dBcV/m)	Limit (dBcV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	POL	Azimuth (deg)	Corr. (dB)
—	—	—	—	—	—	—	—	—	—	—

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Comment
—	—



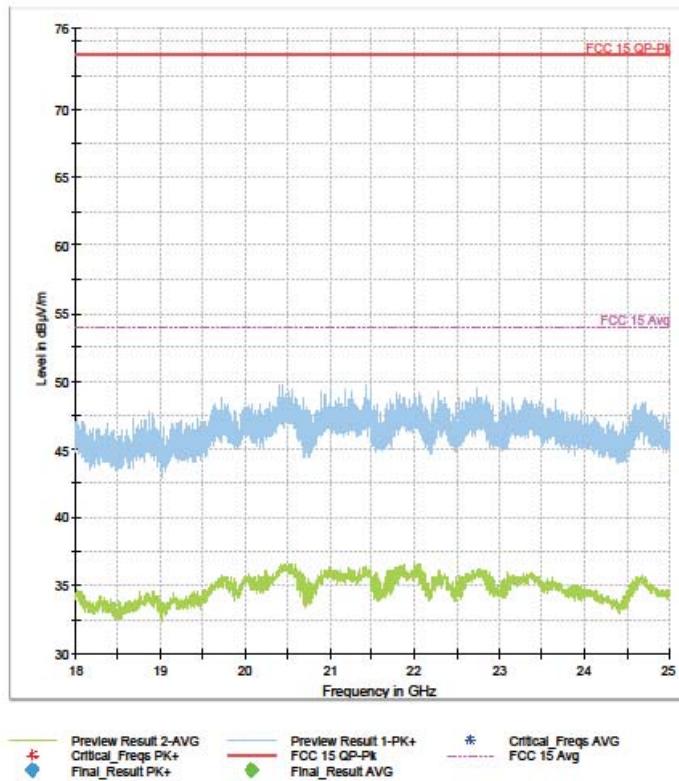
5/2/2018

3:35:56 PM

1 / 1

**18--25GHz\_Ch\_11\_HT20\_2x2\_(Tx-17dBm)\_CDD****Final Result**

Frequency (MHz)	MaxPeak (dB <sub>Pt</sub> /V/m)	Average (dB <sub>Pt</sub> /V/m)	Limit (dB <sub>Pt</sub> /V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
--	--	--	--	--	--	--	--	--	--	--



5/2/2018

4:12:29 PM

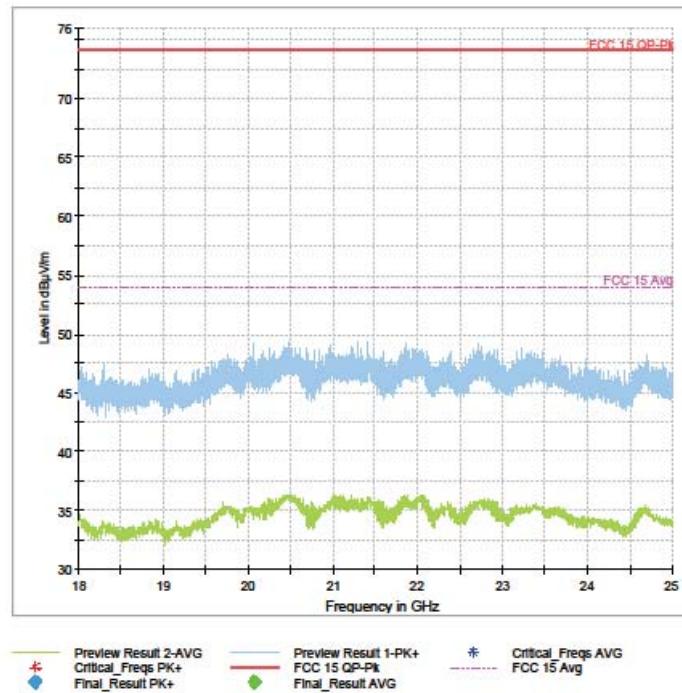
1 / 1

**18-25GHz\_Ch\_11\_VHT20\_2x2\_(Tx-17dBm)\_BF****Final Result**

Frequency (MHz)	MaxP eak (dBµV/m)	Avera ge (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
—	—	—	—	—	—	—	—	—	—	—

(continuation of the "Final\_Result" table from column 16 ...)

Frequency (MHz)	Com ment
—	—



5/2/2018

2:35:28 PM

#### 4.7 Band Edge Emissions

##### Test Method

The ANSI C63.10-2013 Section 11.13 the procedure described was followed testing in an anechoic chamber. The preliminary investigation was performed at different data rate to determine the highest power output for each mode. A diag program called QRCT was used to set the AP in continuous Tx mode and also to set the channel, channel power and data rate. This test was conducted on 3 channels for each of the throughput modes. The analyzer was configured as follows.

RBW= 1MHz

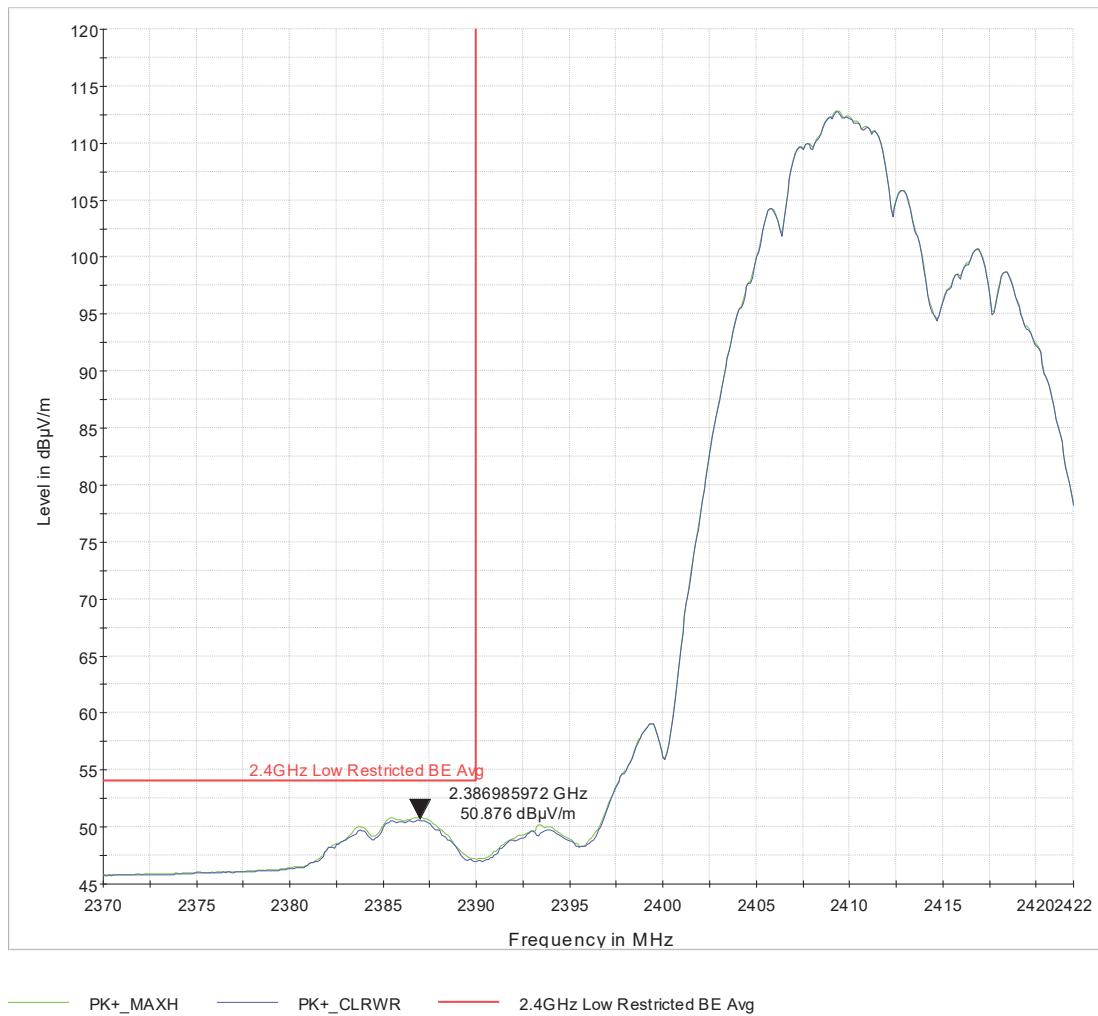
VBW= 3 x RBW

Span= 50MHz

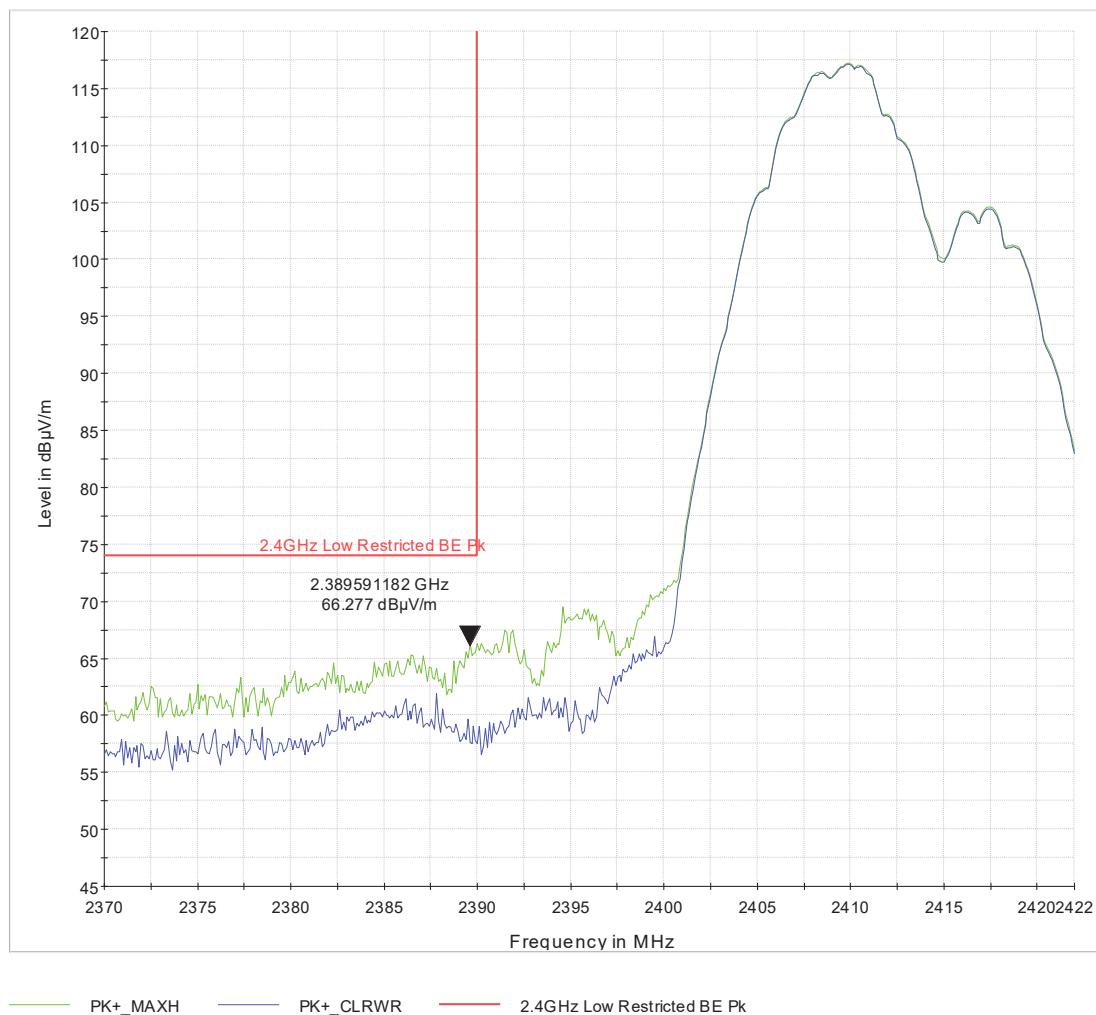
SWT= auto

Detector = Peak and Average

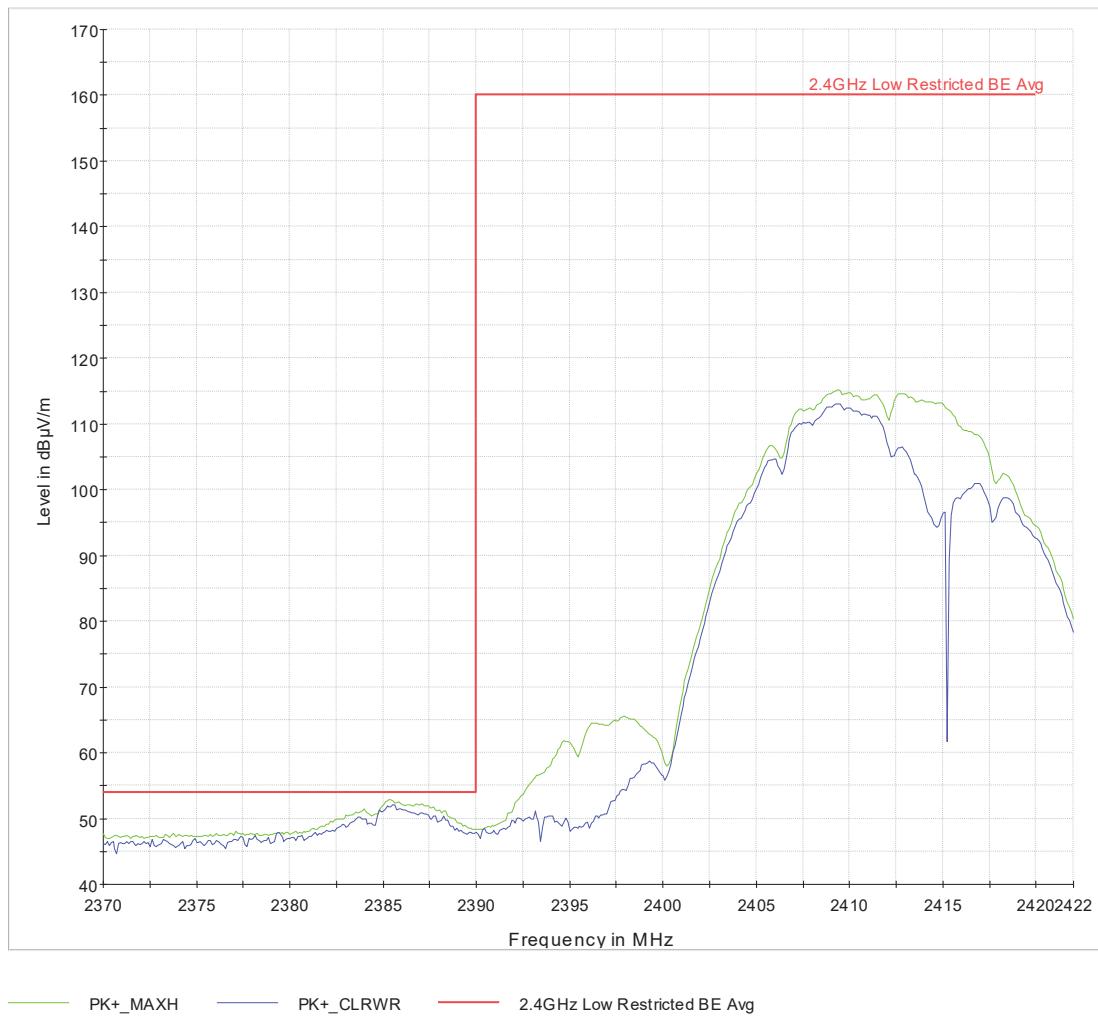
<b>Test Conditions:</b> Conducted Measurement (SA), Normal Temperature	<b>Date:</b> 4/12-6/18 2018
<b>Antenna Type:</b>	Stamped metal dipole
<b>Duty cycle correction: see sect. 3</b>	Data Rate: 1 mbps, 6mbps, MCS0
<b>Ambient Temp.: 23° C</b>	Relative Humidity: 38 %RH



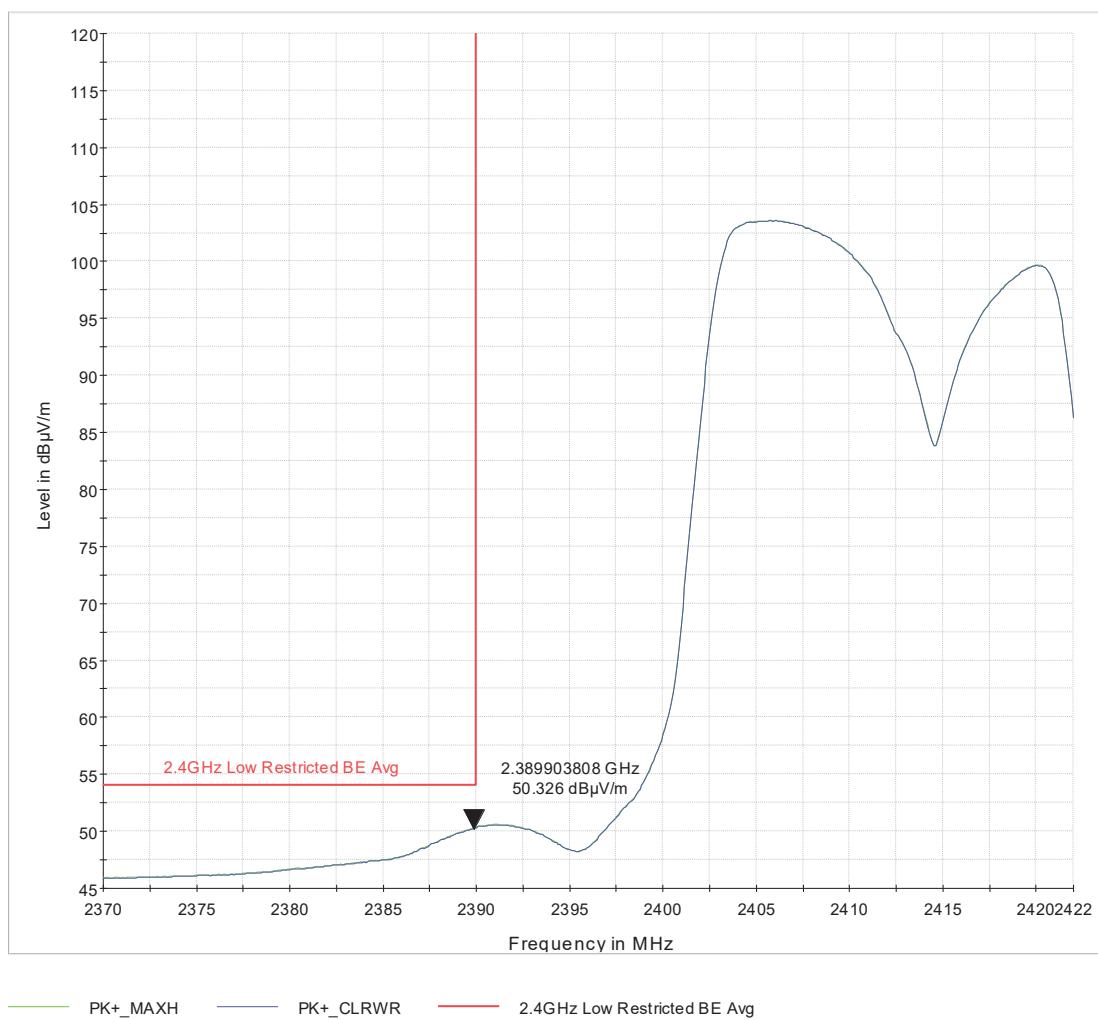
**Figure 1** Low\_Rest\_BE\_ch1\_CCK\_Tx=23.5\_2x2\_CDD\_0deg\_119cm\_avg



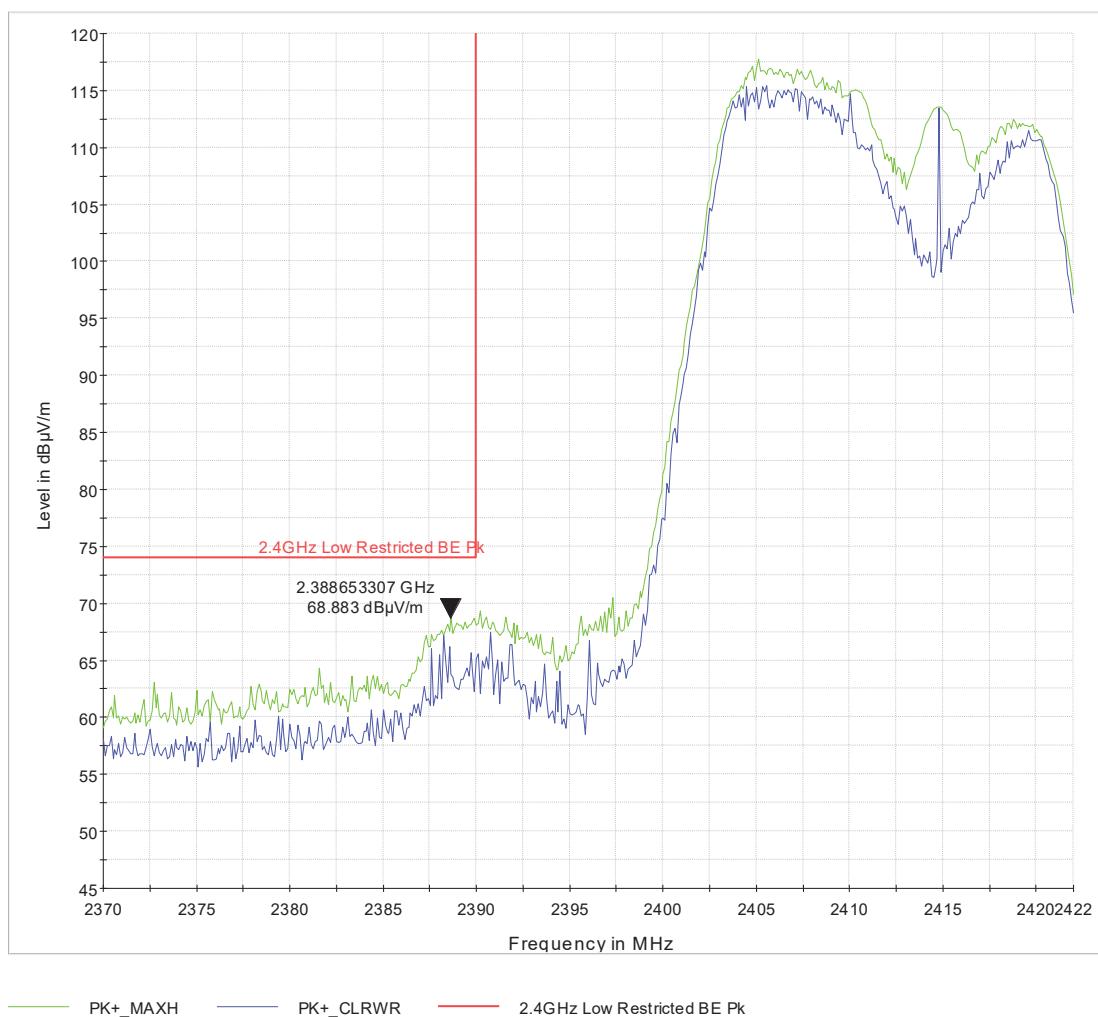
**Figure 2** Low\_Rest\_BE\_ch1\_CCK\_Tx=23.5\_2x2\_CDD\_0deg\_119cm\_pk



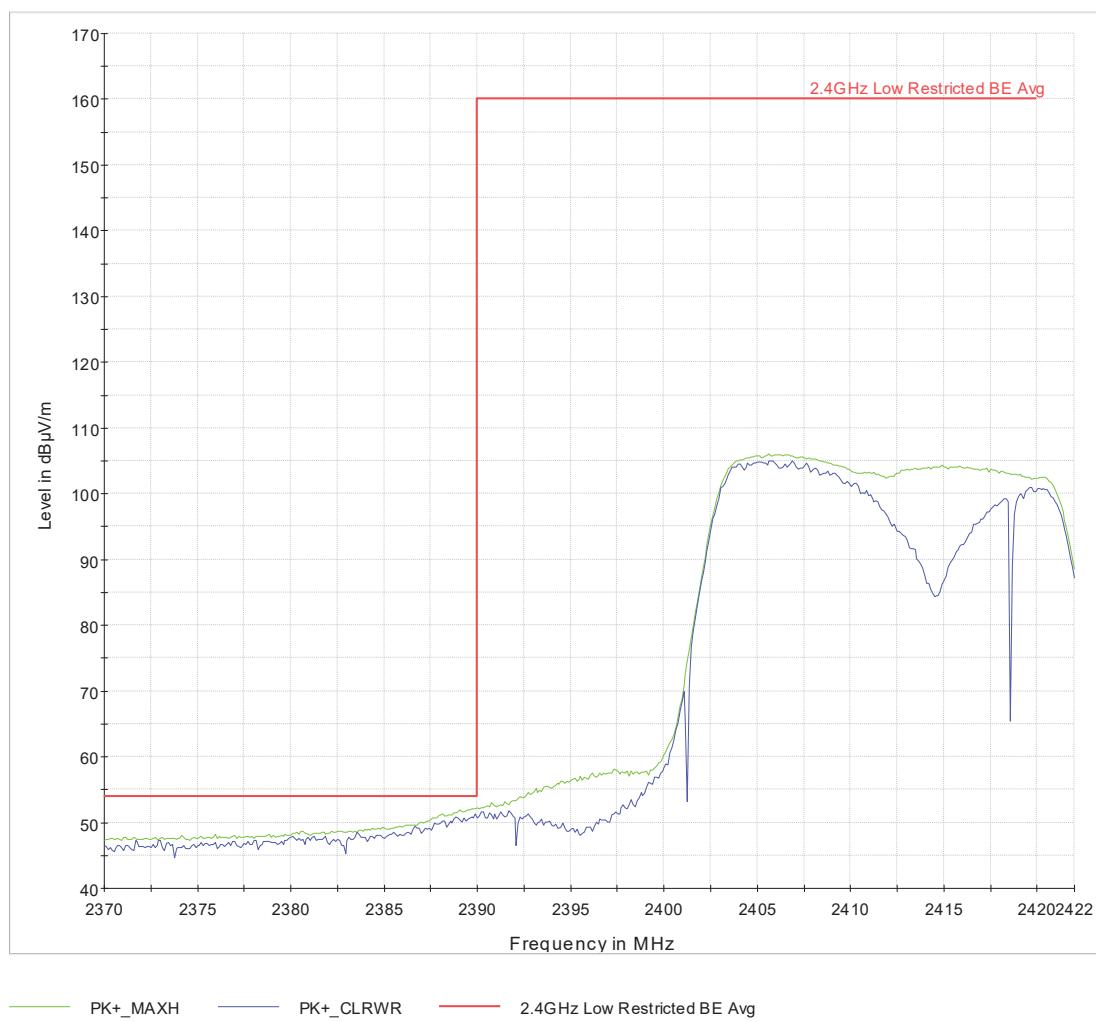
**Figure 3** Low\_Rest\_BE\_ch1\_CCK\_Tx=23.5\_2x2\_CDD\_maximize



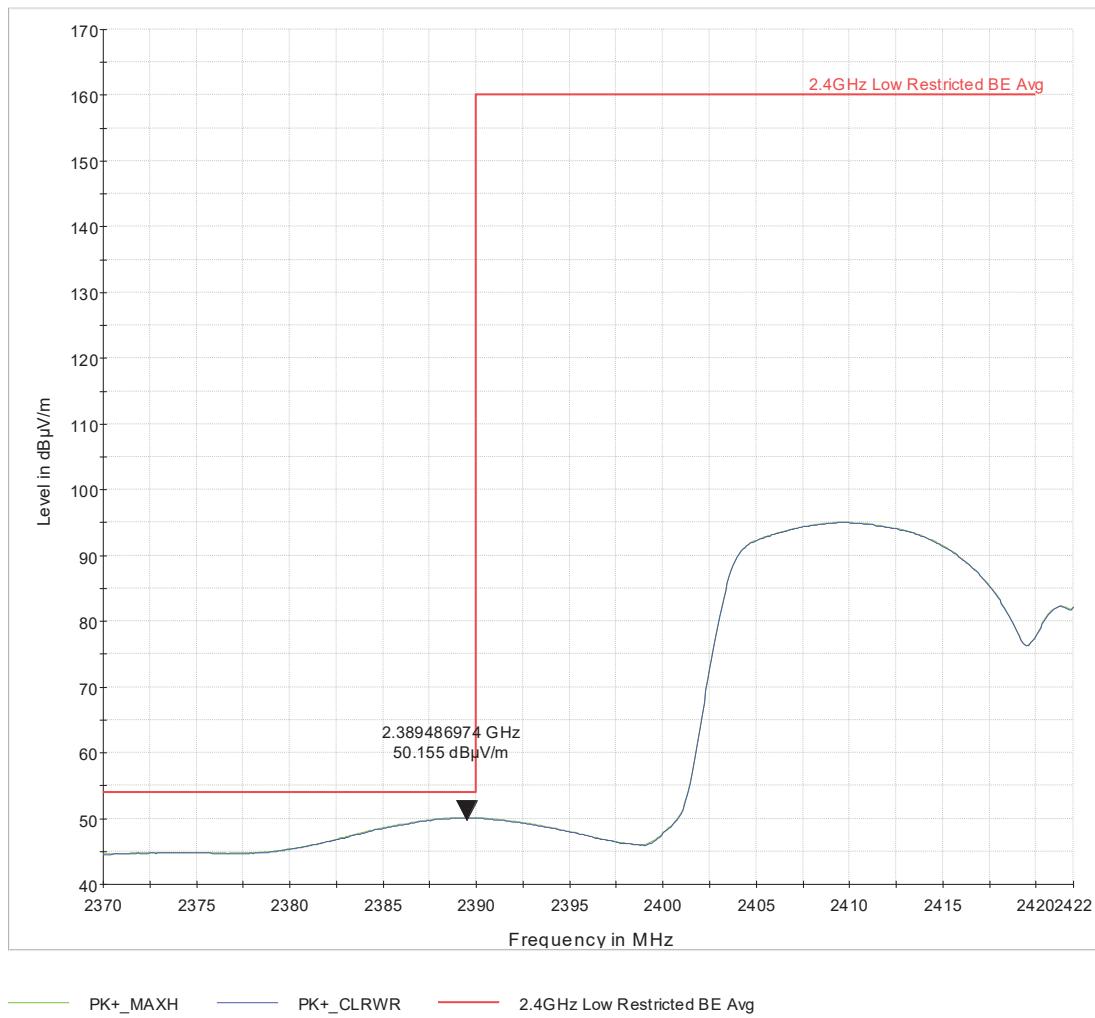
**Figure 4** Low\_Rest\_BE\_ch1\_HT20\_Tx=17\_2x2\_CDD\_360deg\_123cm\_avg



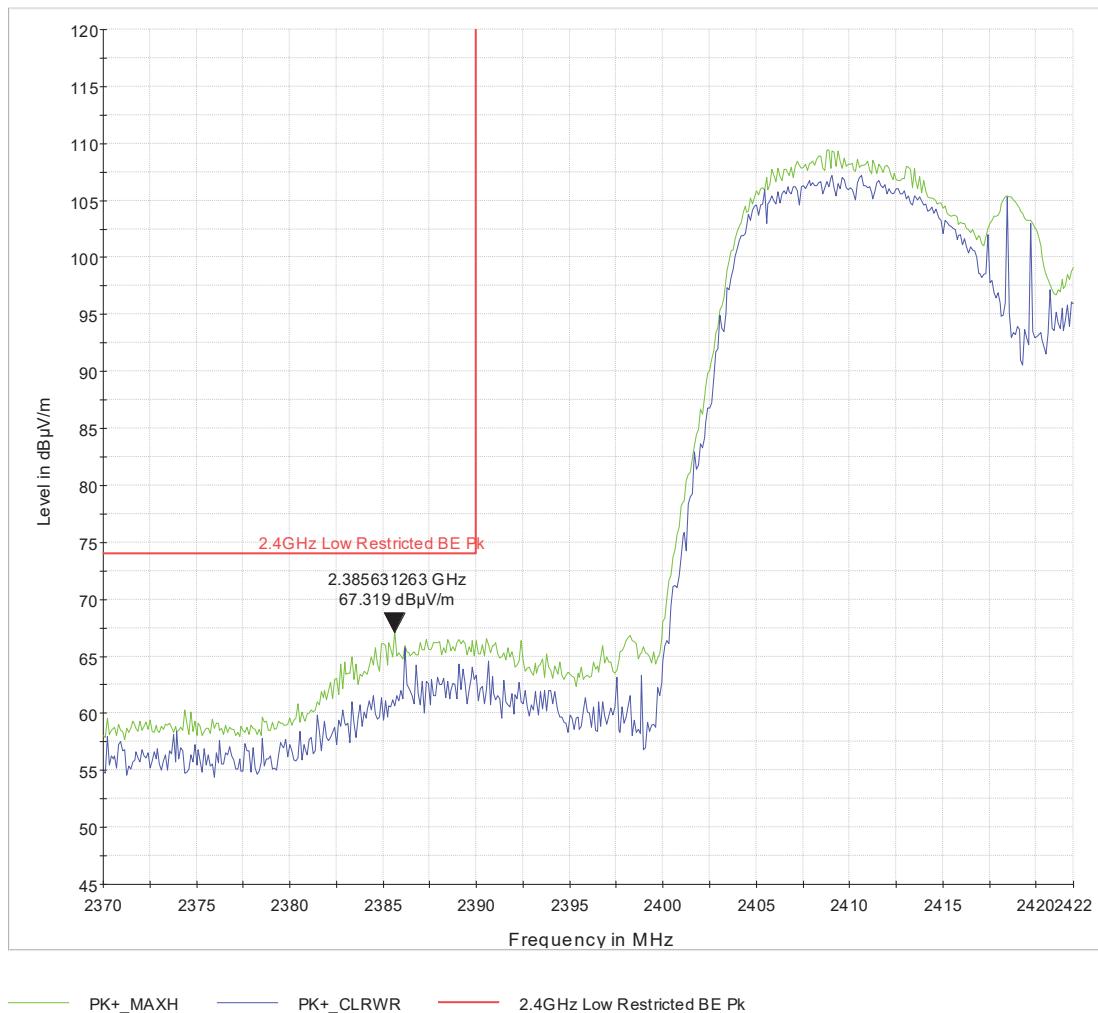
**Figure 5** Low\_Rest\_BE\_ch1\_HT20\_Tx=17\_2x2\_CDD\_360deg\_123cm\_pk



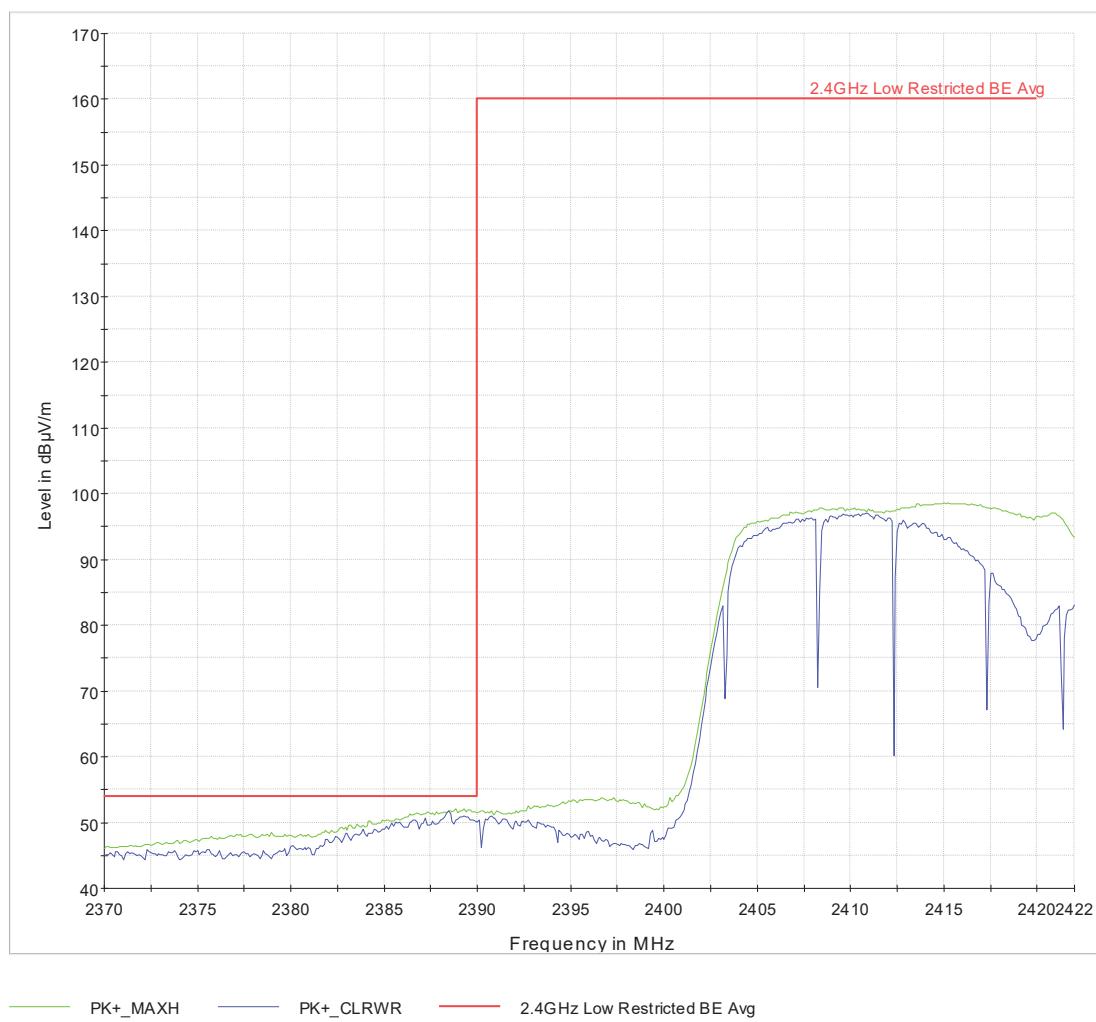
**Figure 6** Low\_Rest\_BE\_ch1\_HT20\_Tx=17\_2x2\_CDD\_maximize



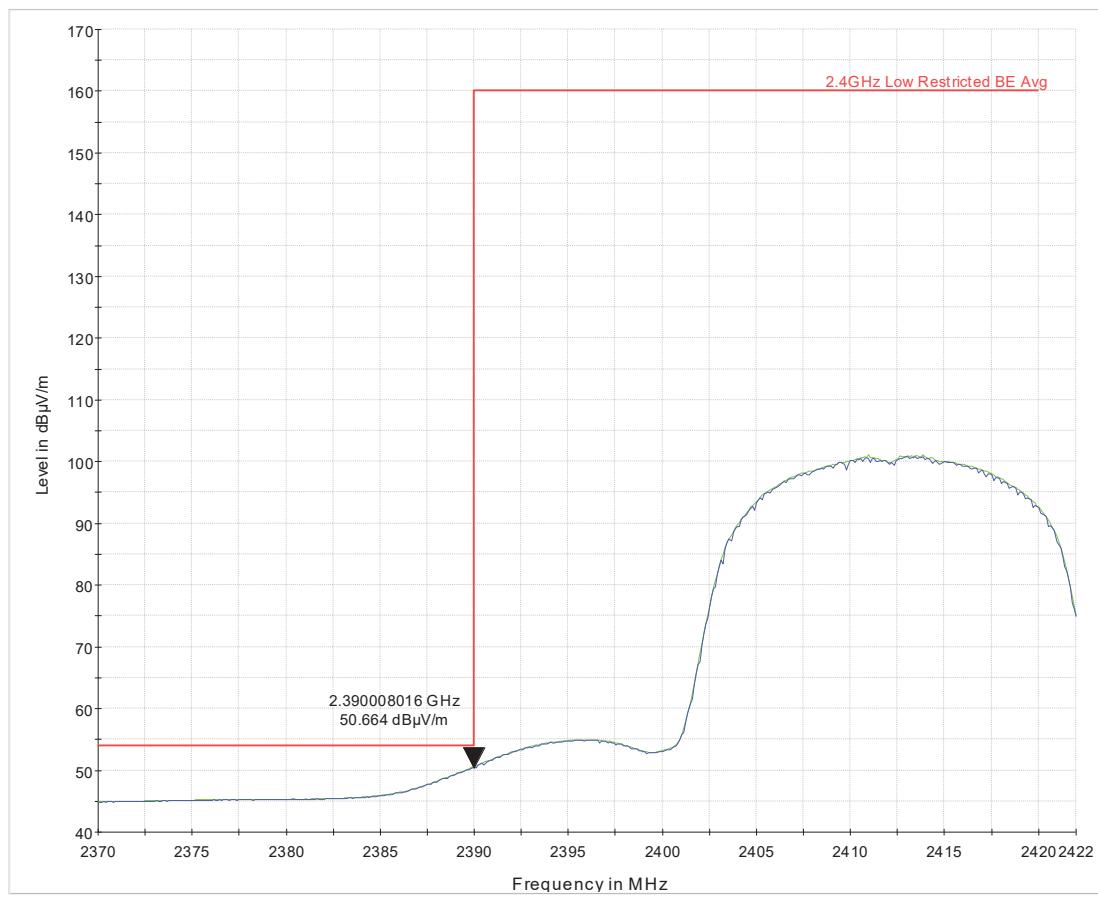
**Figure 7** Low\_Rest\_BE\_ch3\_HT40\_Tx=13.5\_2x2\_CDD\_291deg\_369cm\_avg



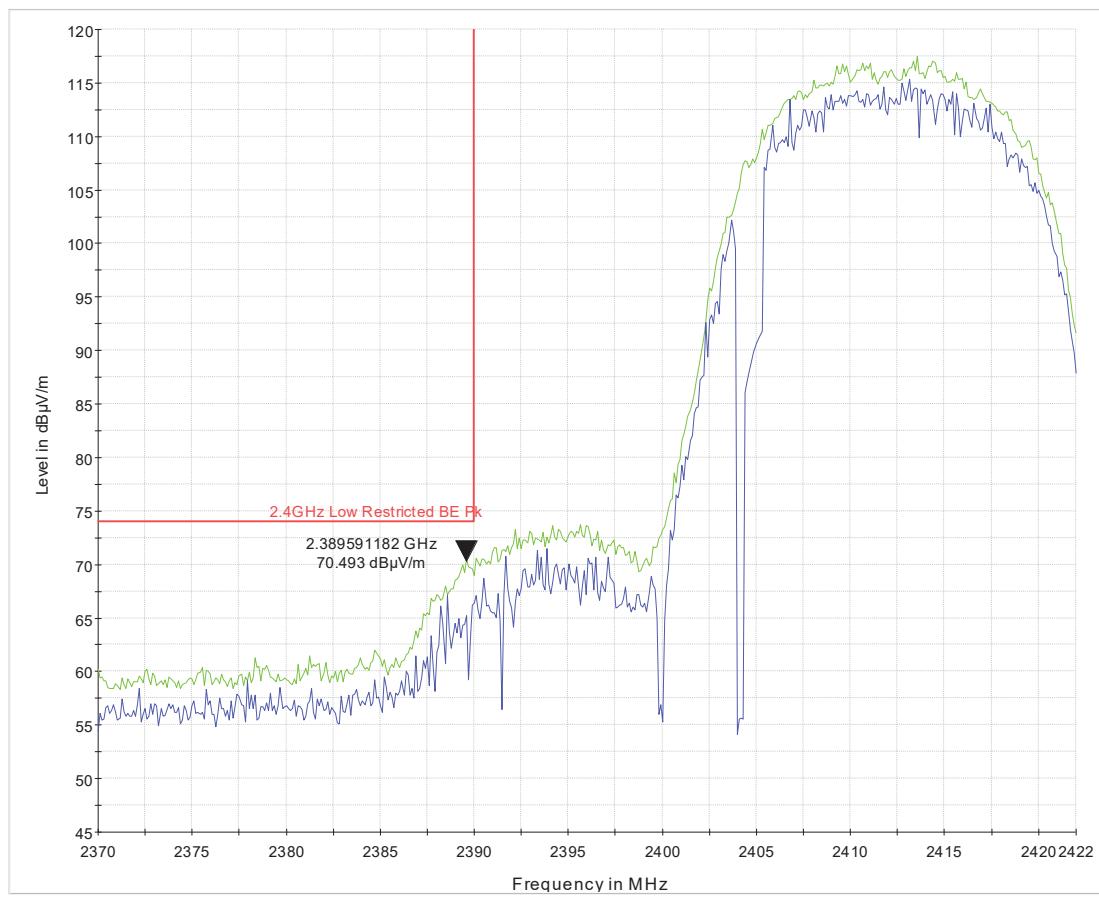
**Figure 8** Low\_Rest\_BE\_ch3\_HT40\_Tx=13.5\_2x2\_CDD\_291deg\_369cm\_pk



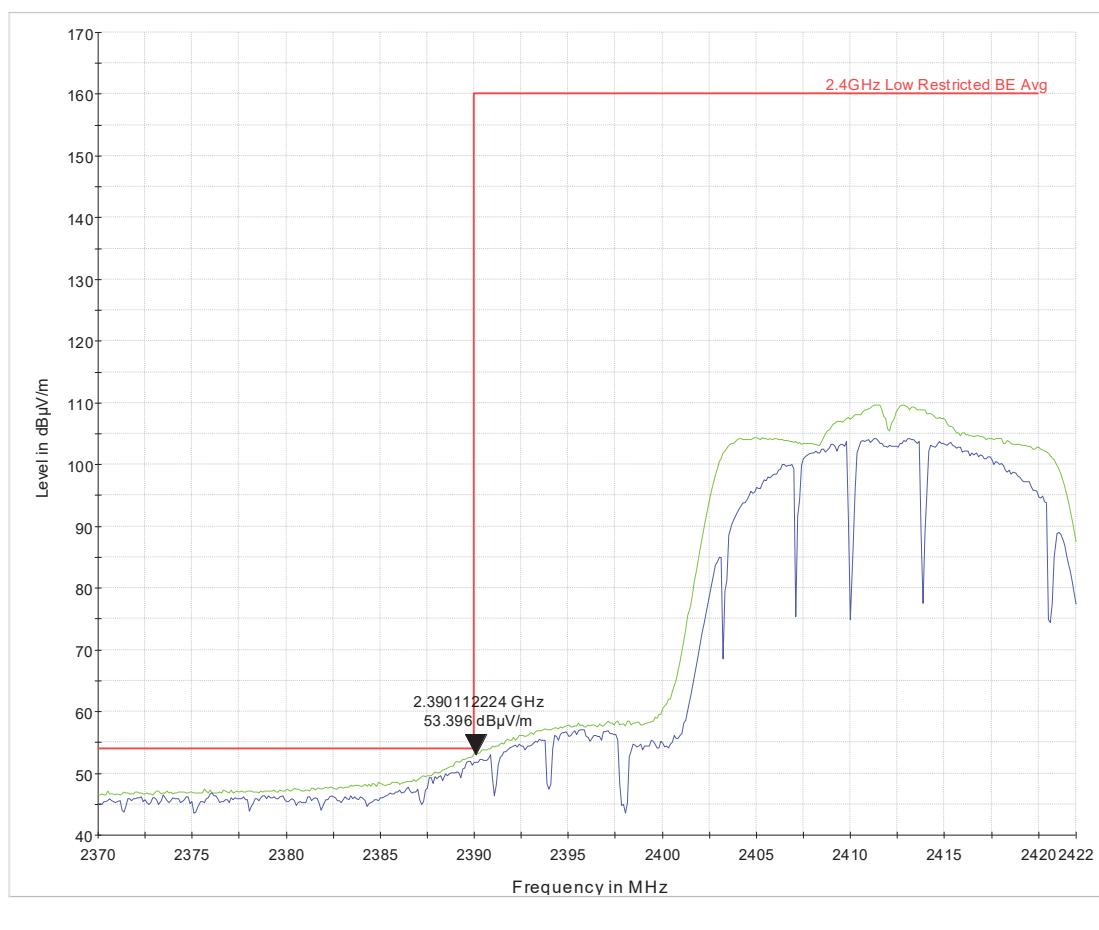
**Figure 9** Low\_Rest\_BE\_ch3\_HT40\_Tx=13.5\_2x2\_CDD\_maximize



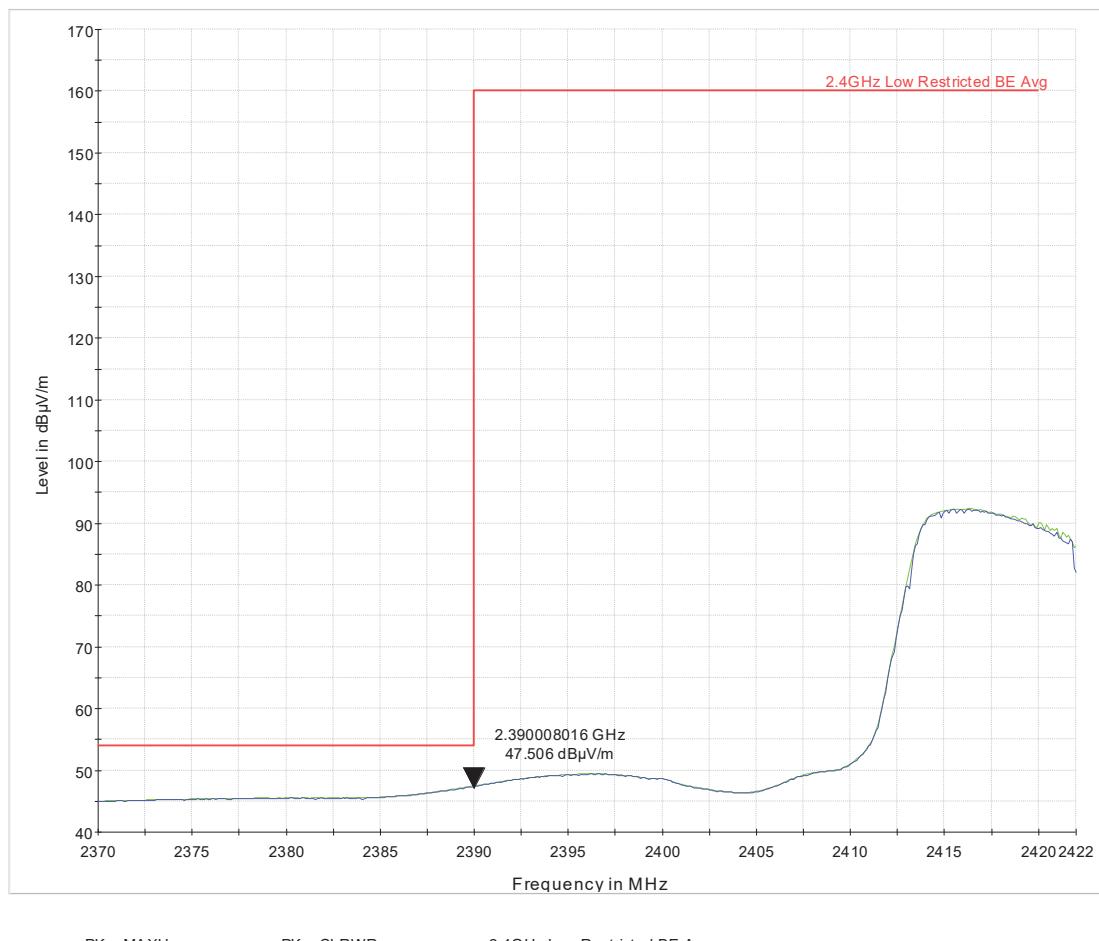
**Figure 10** low\_Rest\_BE\_ch1\_HT20\_Tx=18\_2x2\_BF\_248deg\_274cm\_V\_avg



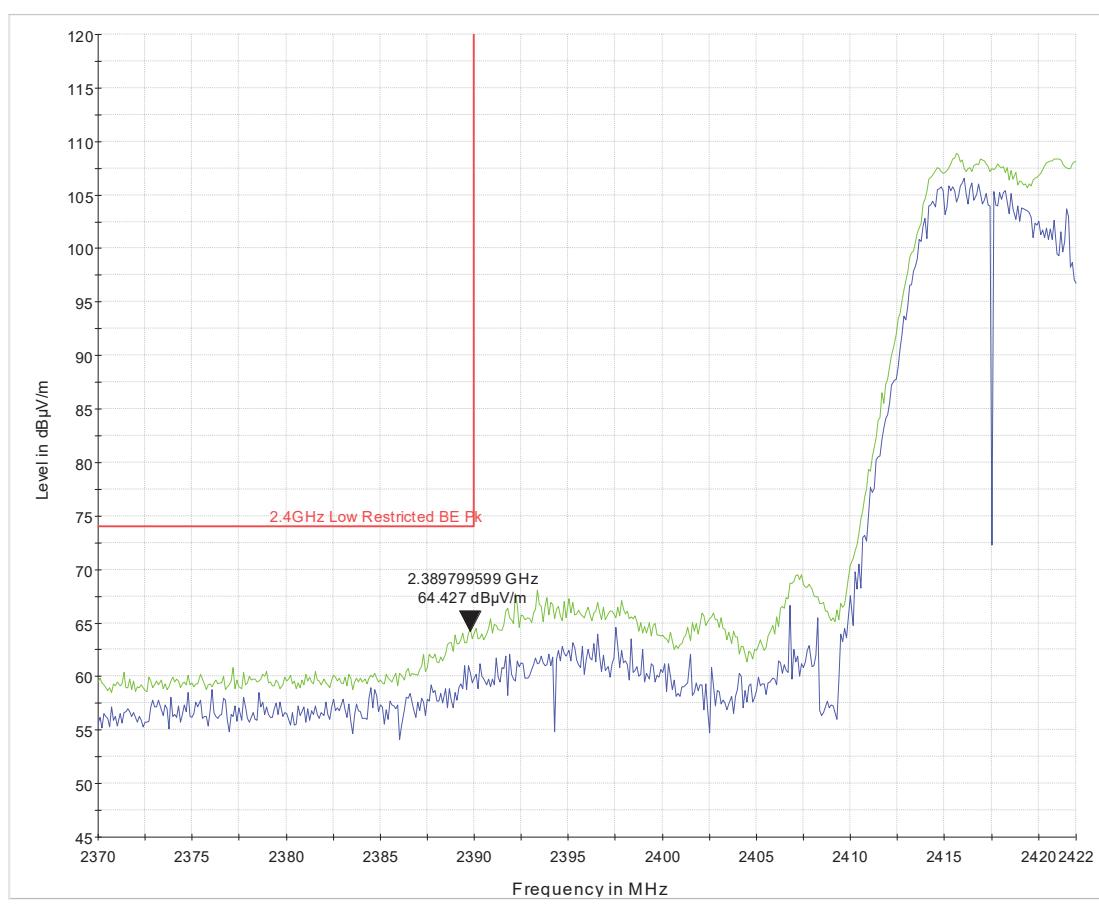
**Figure 11** low\_Rest\_BE\_ch1\_HT20\_Tx=18\_2x2\_BF\_248deg\_274cm\_V\_pk



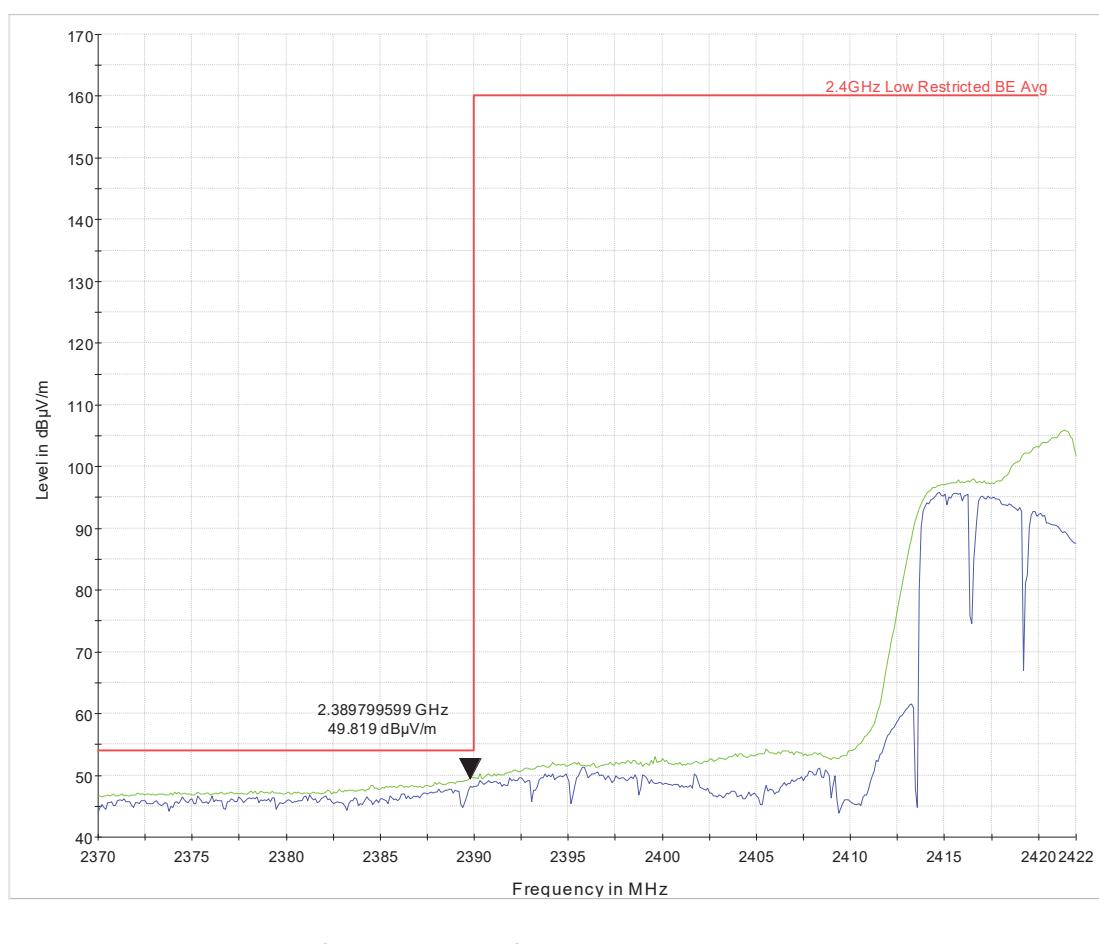
**Figure 12** low\_Rest\_BE\_ch1\_HT20\_Tx=18\_2x2\_BF\_maximize



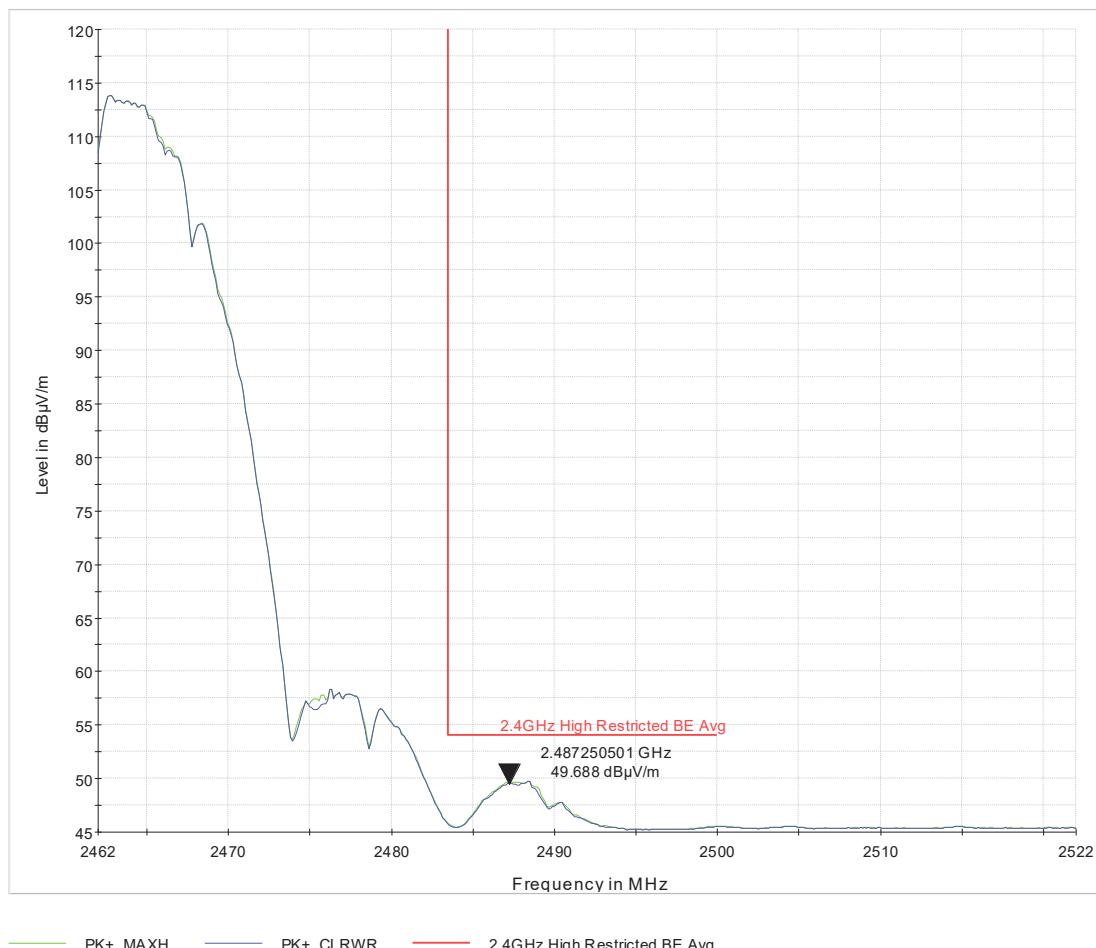
**Figure 13 low\_Rest\_BE\_ch3\_HT40\_Tx=15\_2x2\_BF\_253deg\_310cm\_V\_avg**



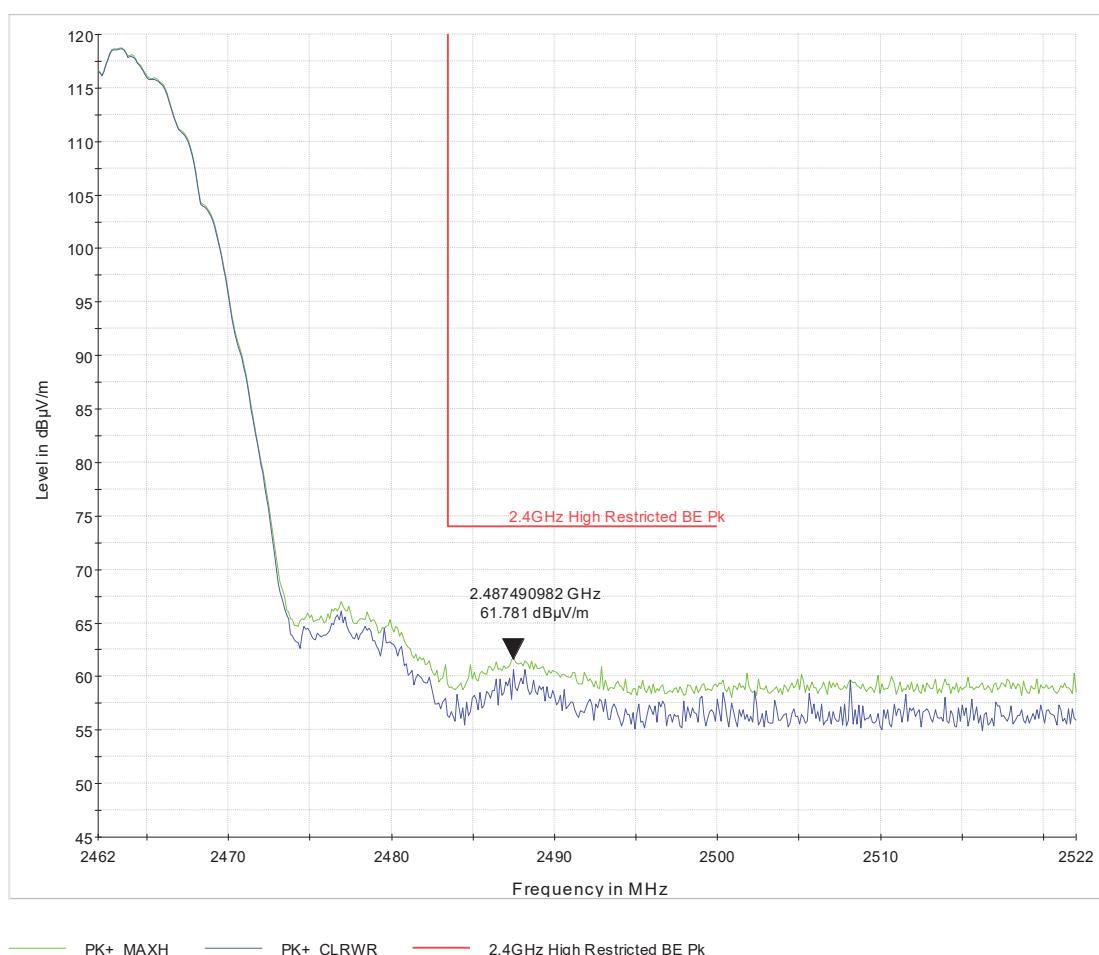
**Figure 14** low\_Rest\_BE\_ch3\_HT40\_Tx=15\_2x2\_BF\_253deg\_310cm\_V\_pk



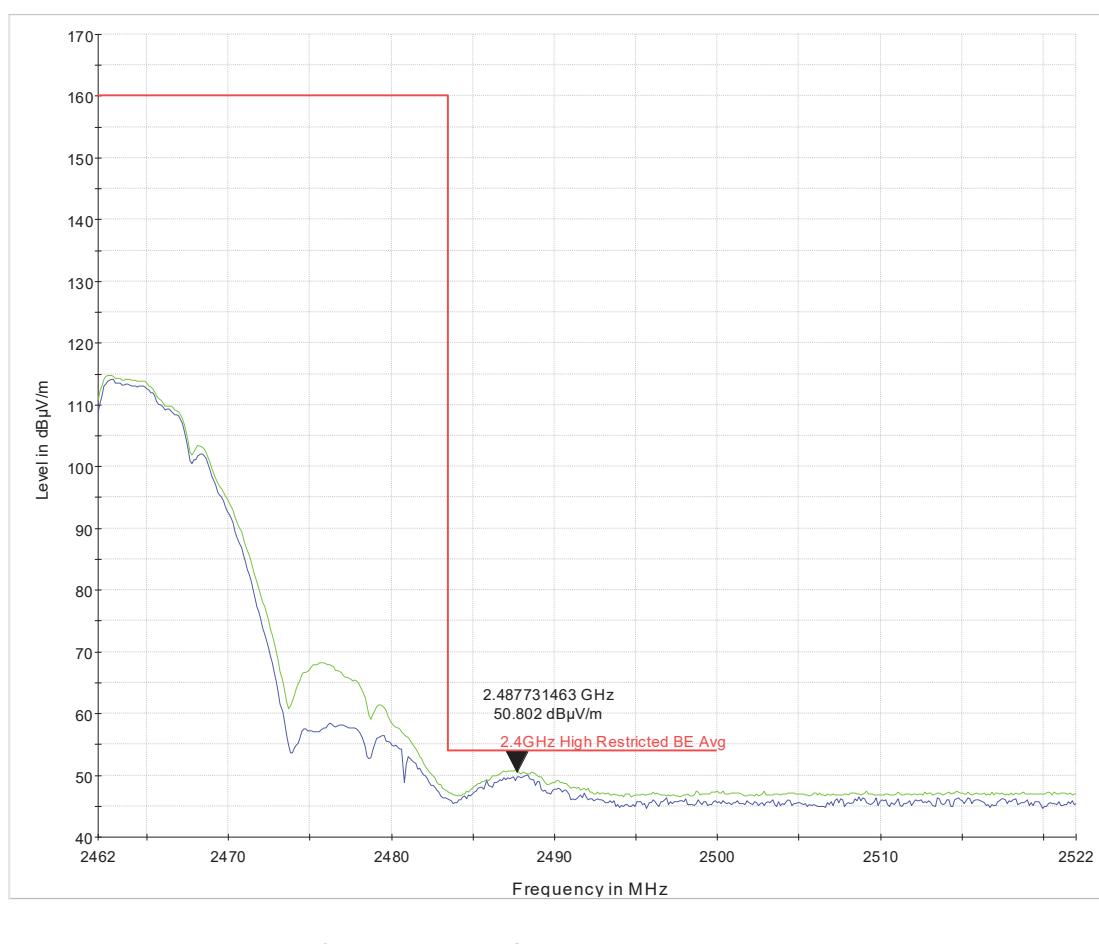
**Figure 15** low\_Rest\_BE\_ch3\_HT40\_Tx=15\_2x2\_BF\_maximize



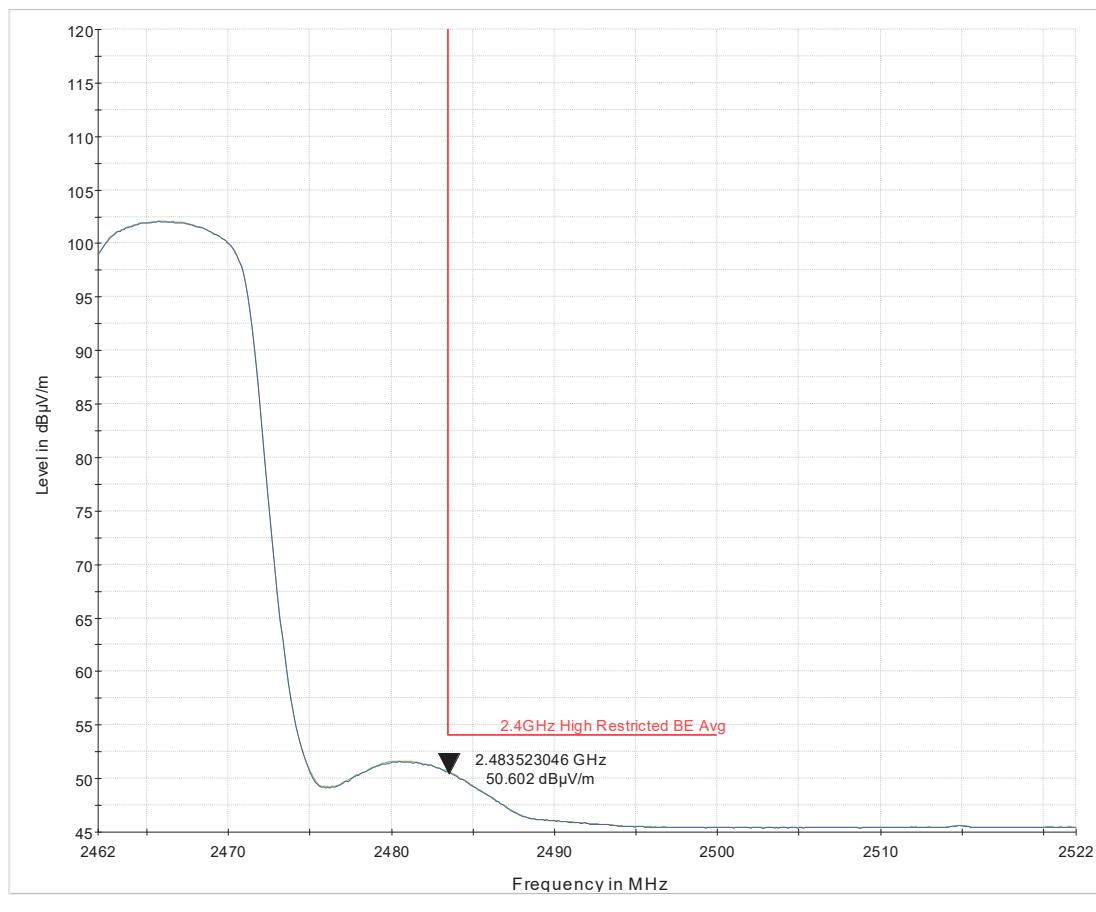
**Figure 16** High\_Rest\_BE\_ch11\_CCK\_Tx=24\_2x2\_CDD\_278deg\_189cm\_V\_avg



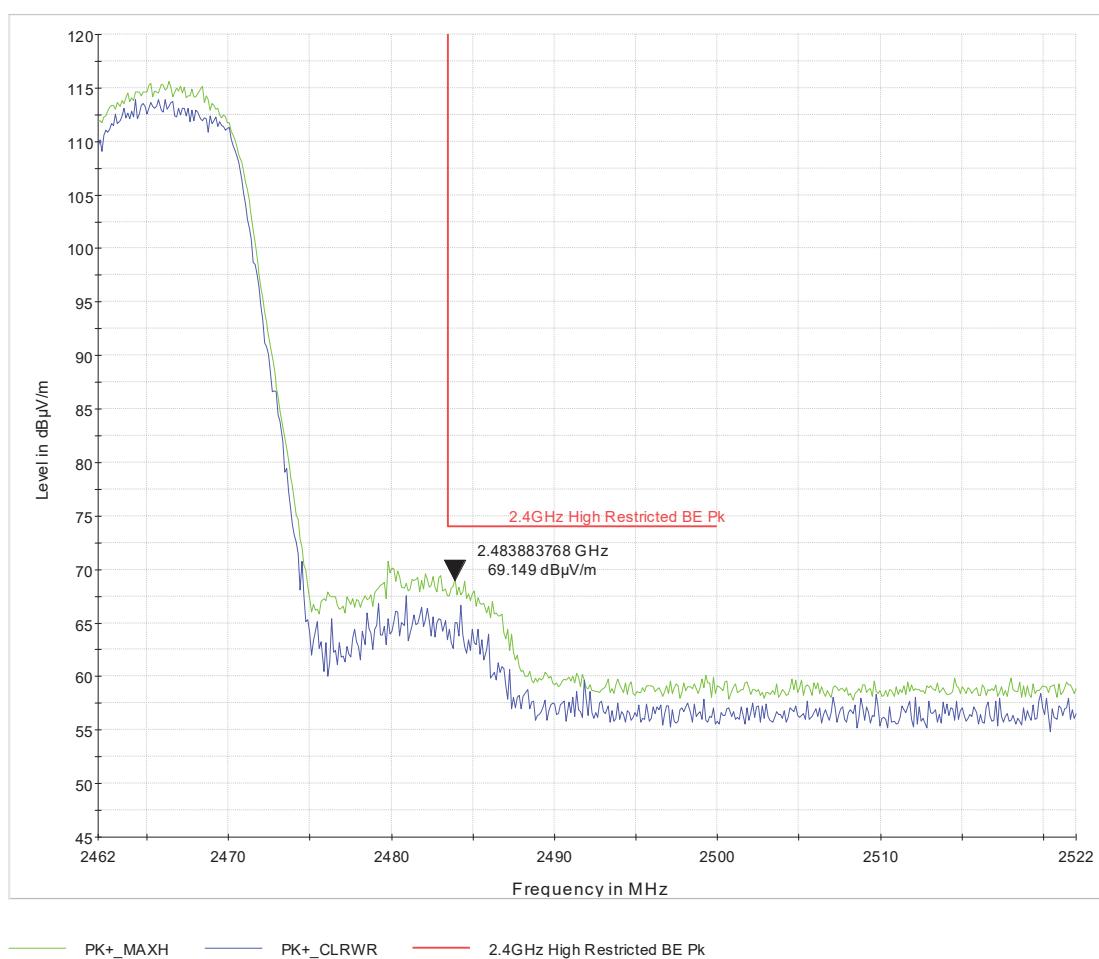
**Figure 17** High\_Rest\_BE\_ch11\_CCK\_Tx=24\_2x2\_CDD\_278deg\_189cm\_V\_pk



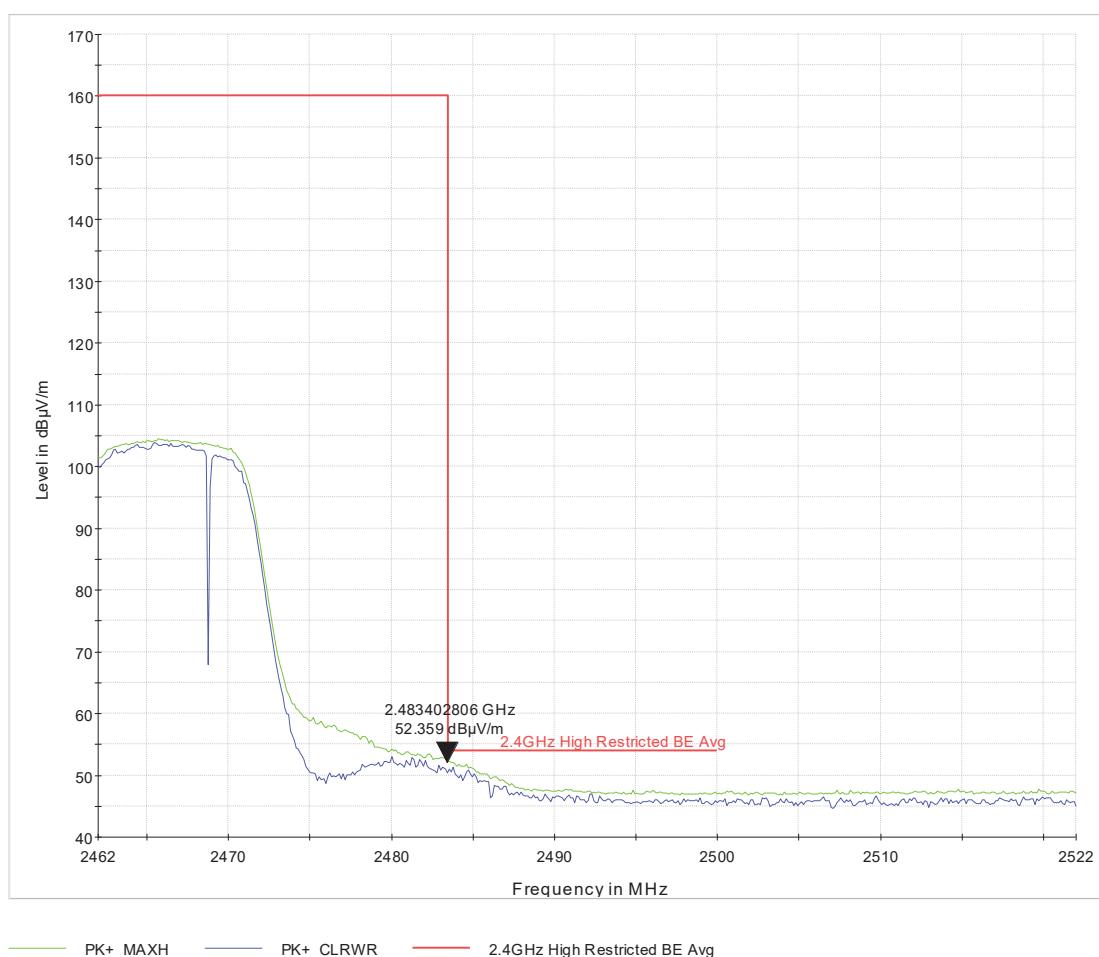
**Figure 18** High\_Rest\_BE\_ch11\_CCK\_Tx=24\_2x2\_CDD\_maximize



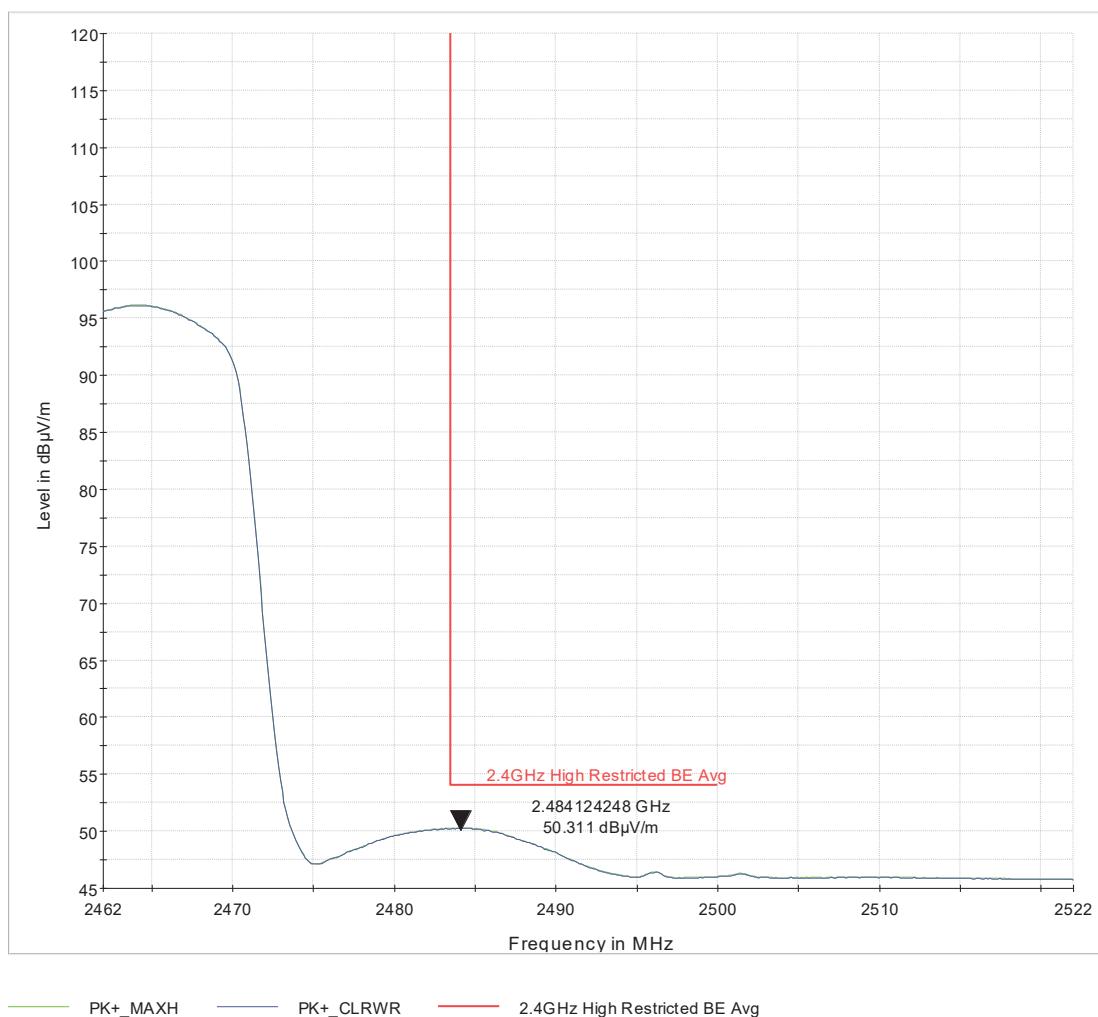
**Figure 19** High\_Rest\_BE\_ch11\_HT20\_Tx=17\_2x2\_CDD\_280deg\_193cm\_V\_avg



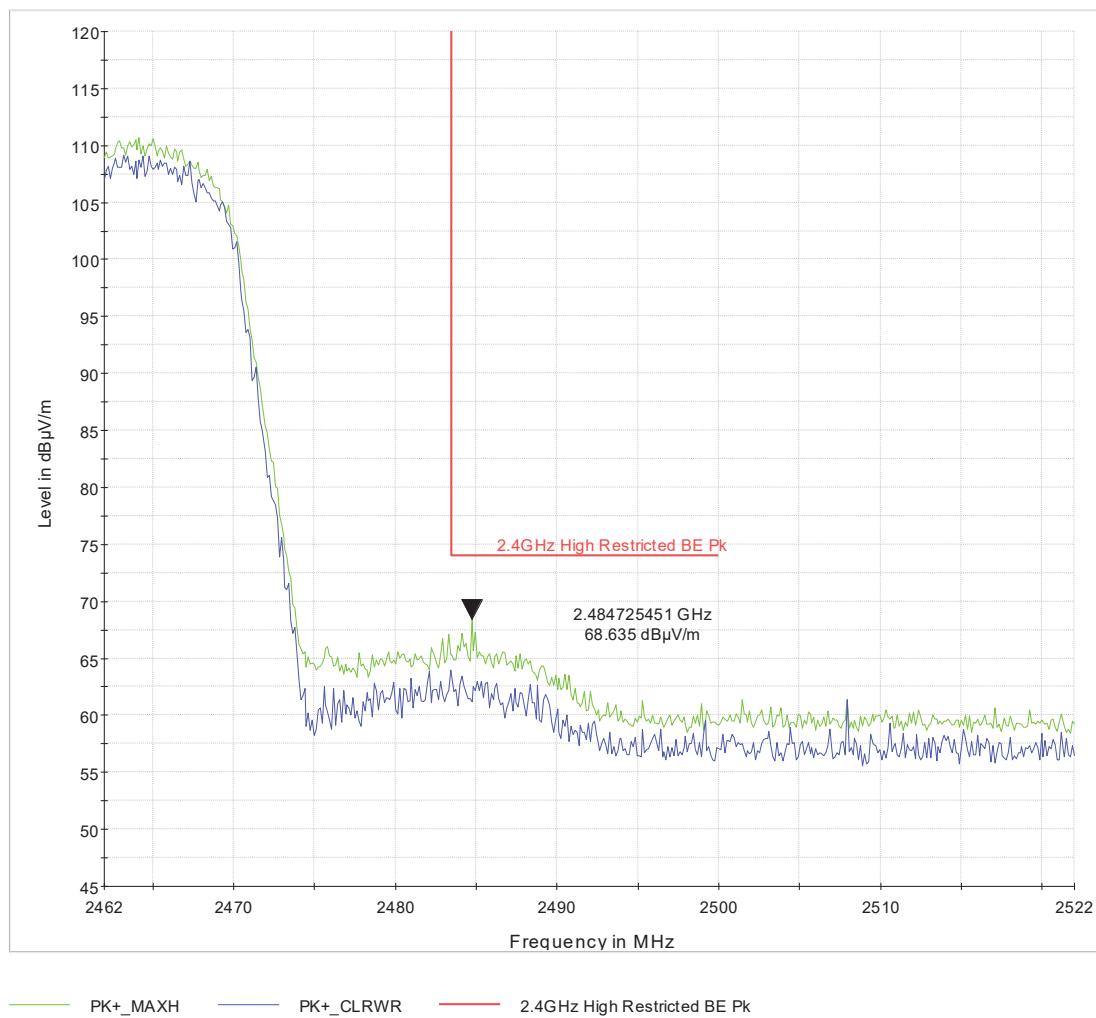
**Figure 20** High\_Rest\_BE\_ch11\_HT20\_Tx=17\_2x2\_CDD\_280deg\_193cm\_V\_pk



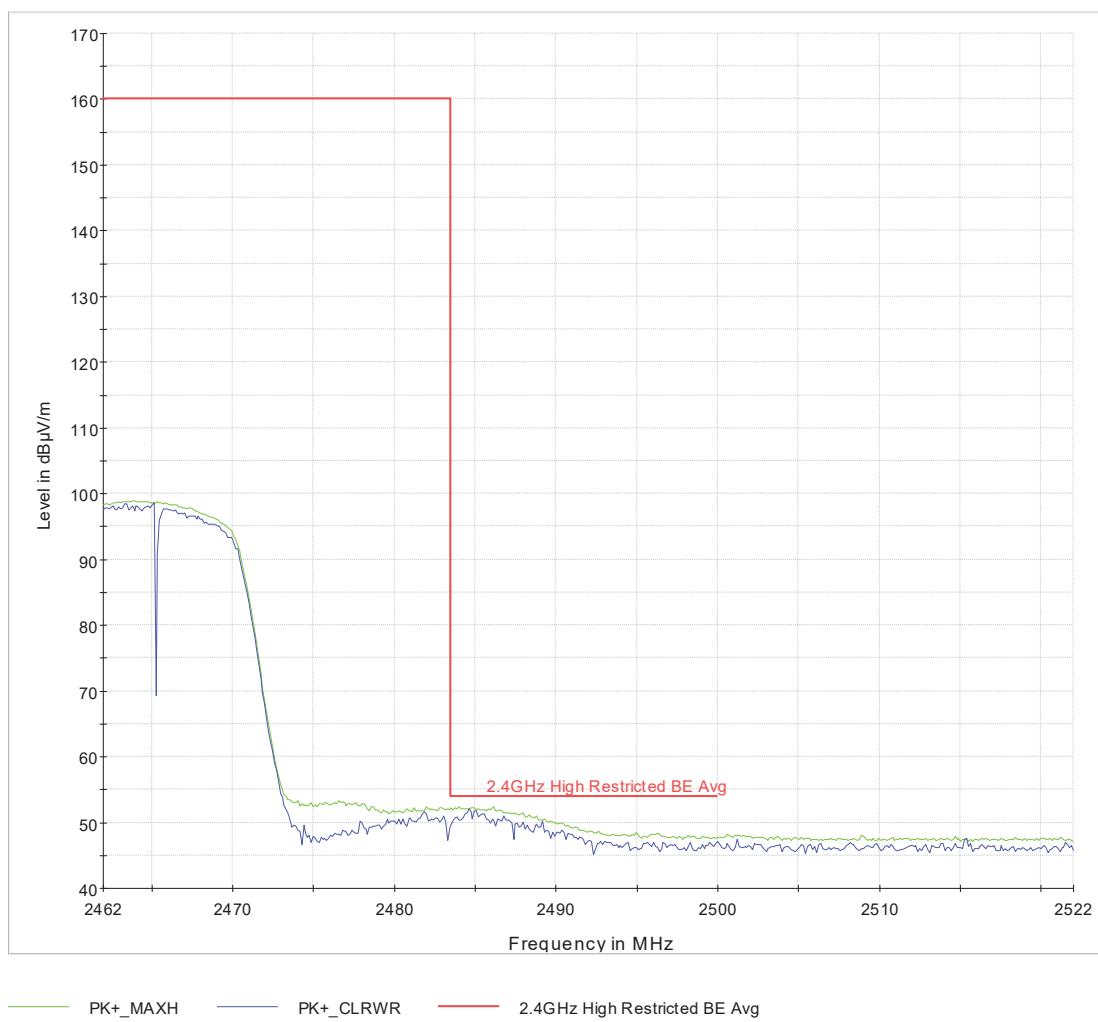
**Figure 21** High\_Rest\_BE\_ch11\_HT20\_Tx=17\_2x2\_CDD\_maximize



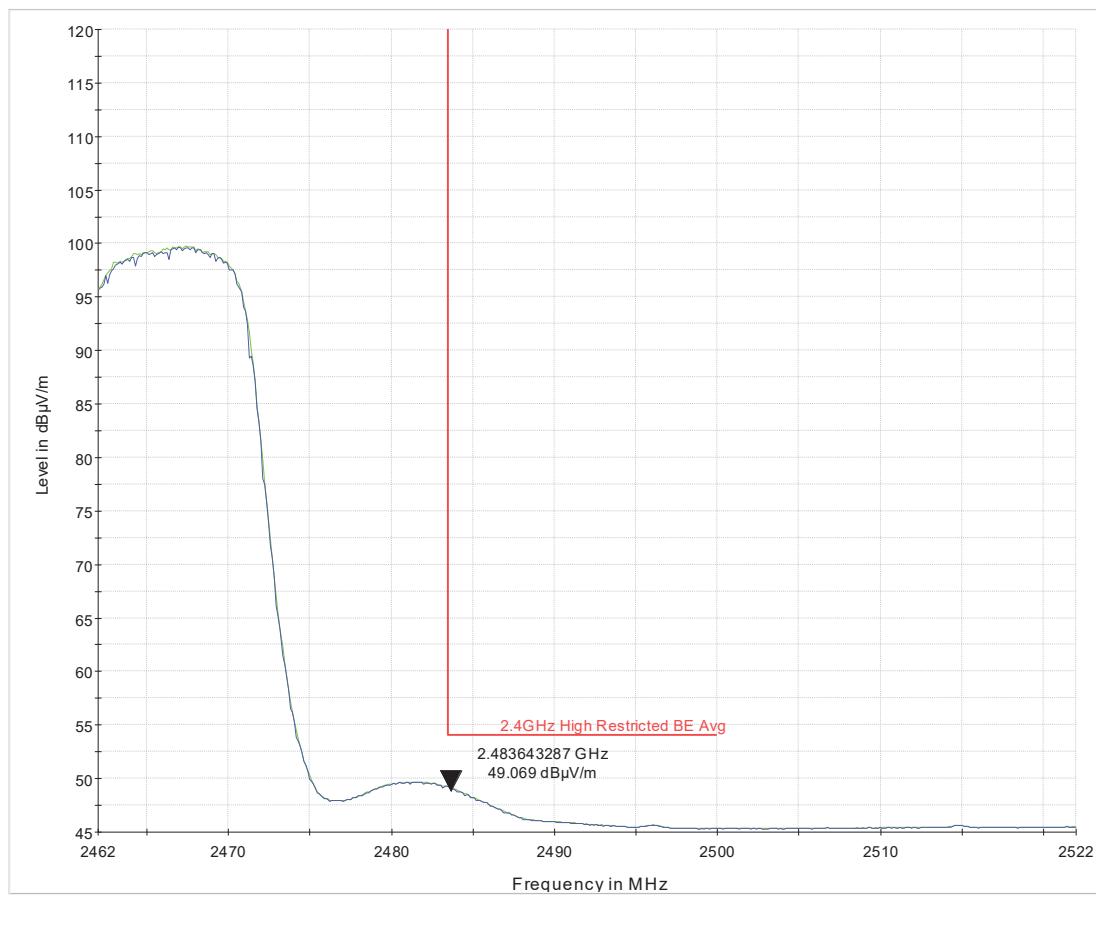
**Figure 22** High\_Rest\_BE\_ch9\_HT40\_Tx=14\_2x2\_CDD\_360deg\_124cm\_avg



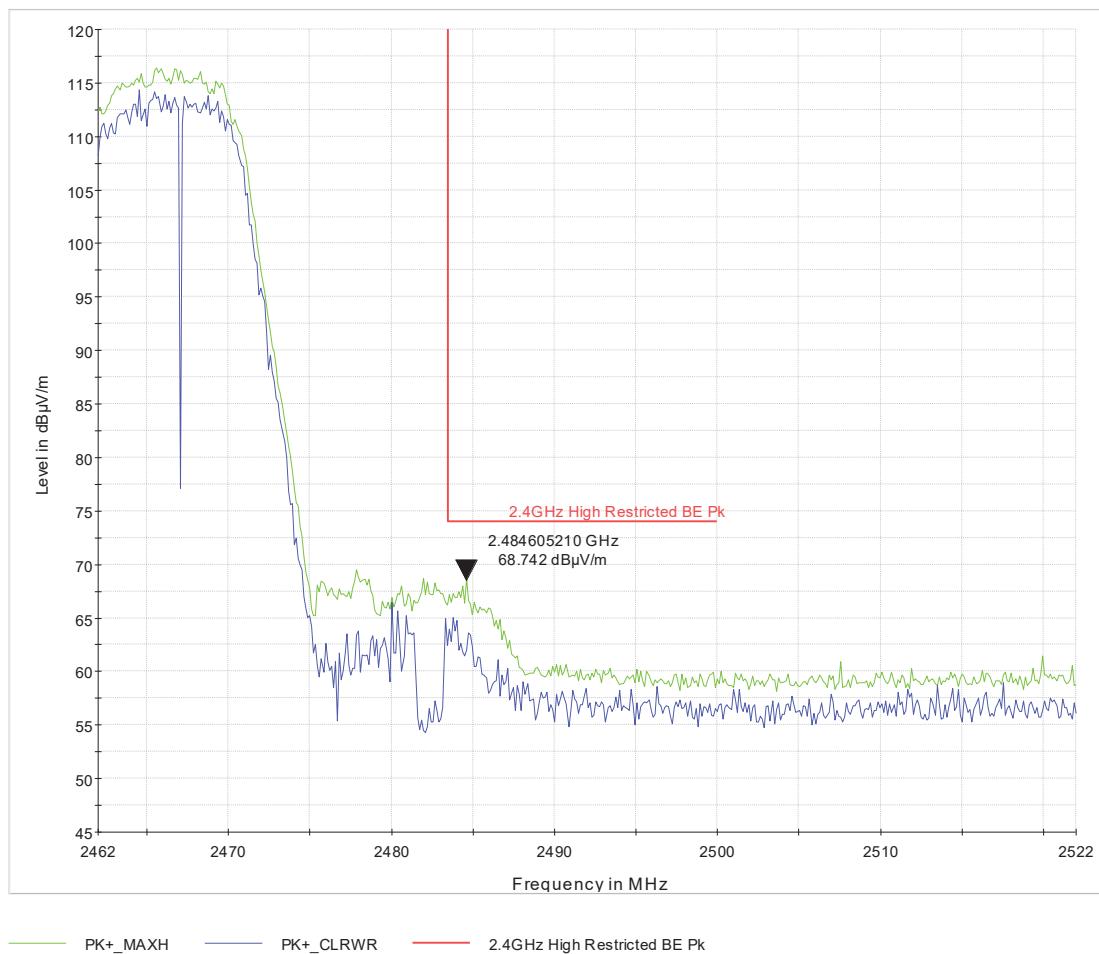
**Figure 23** High\_Rest\_BE\_ch9\_HT40\_Tx=14\_2x2\_CDD\_360deg\_124cm\_pk



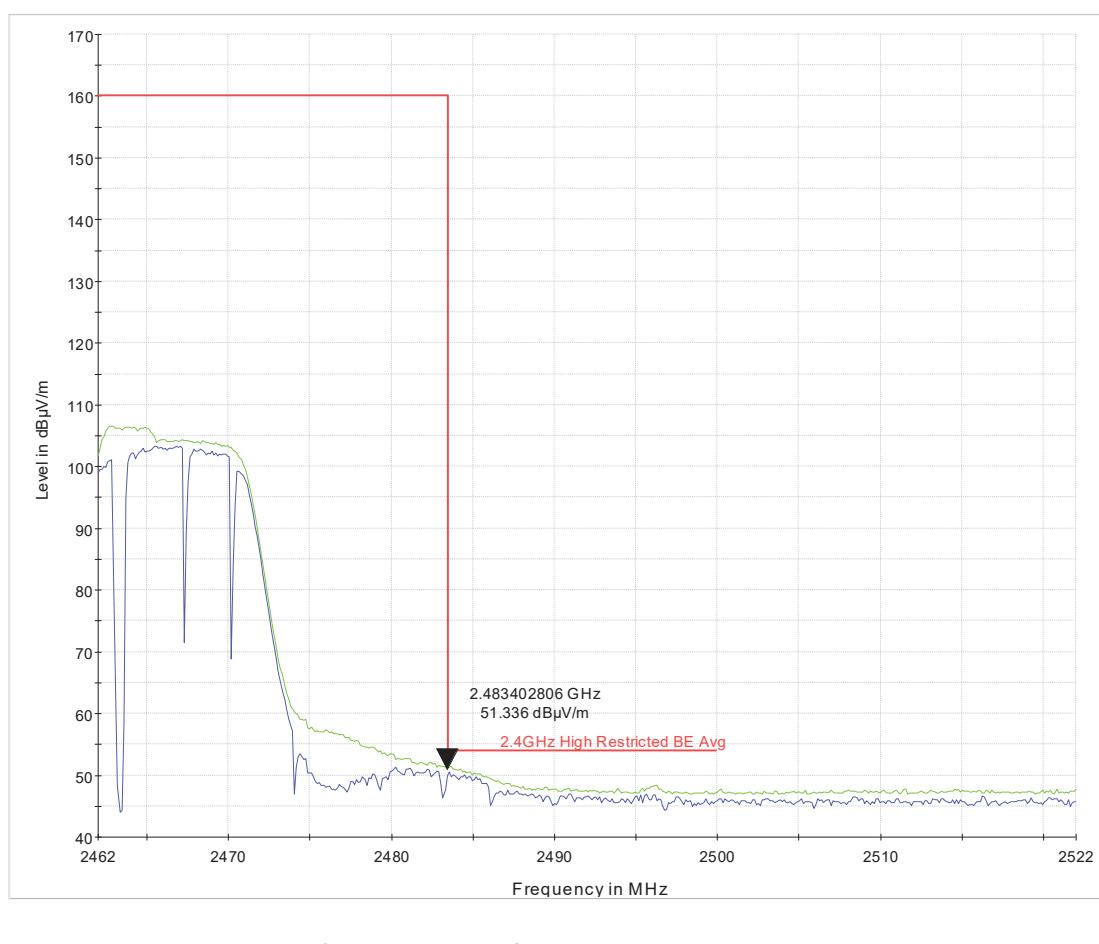
**Figure 24** High\_Rest\_BE\_ch9\_HT40\_Tx=14\_2x2\_CDD\_maximize



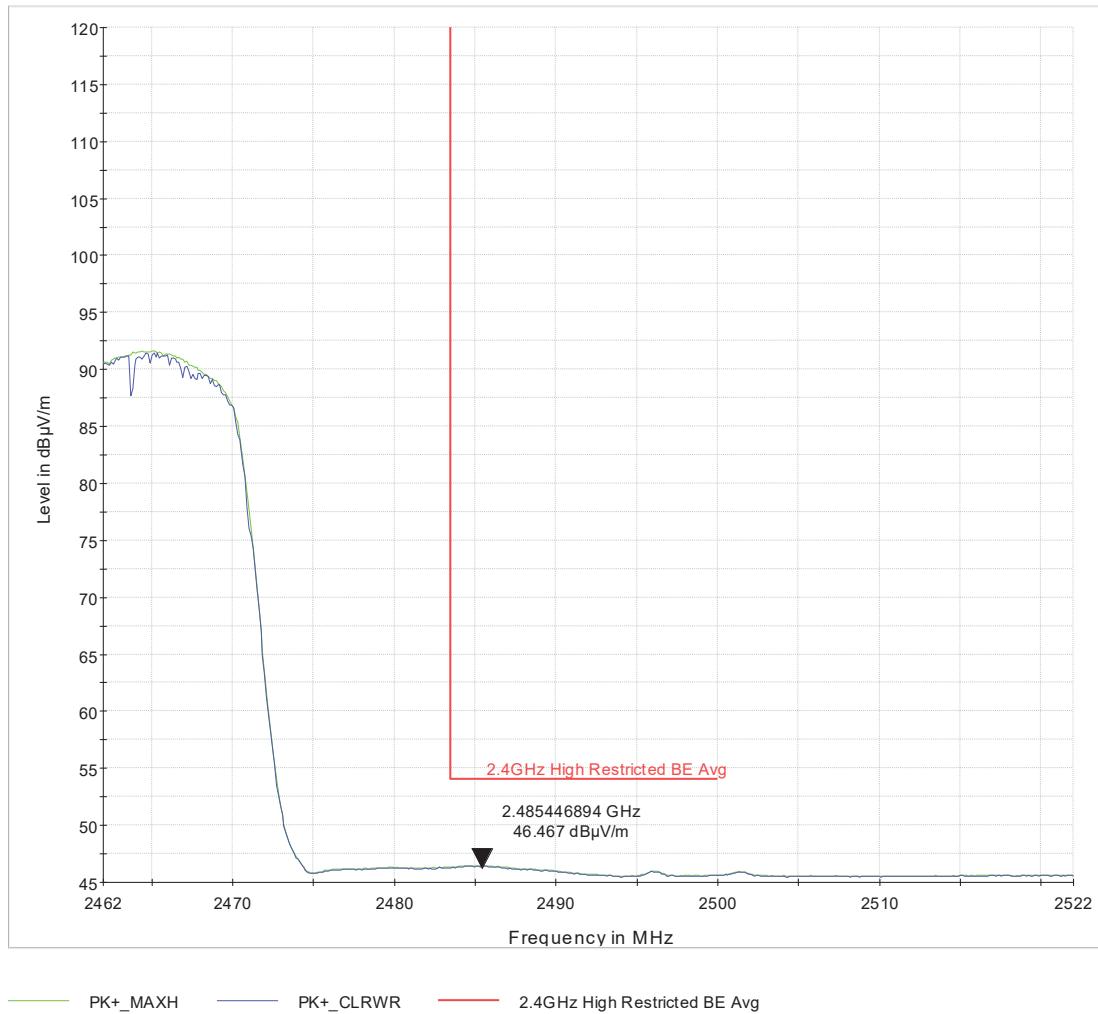
**Figure 25** High\_Rest\_BE\_ch11\_VHT20\_Tx=17\_2x2\_BF\_284deg\_192cm\_V\_avg



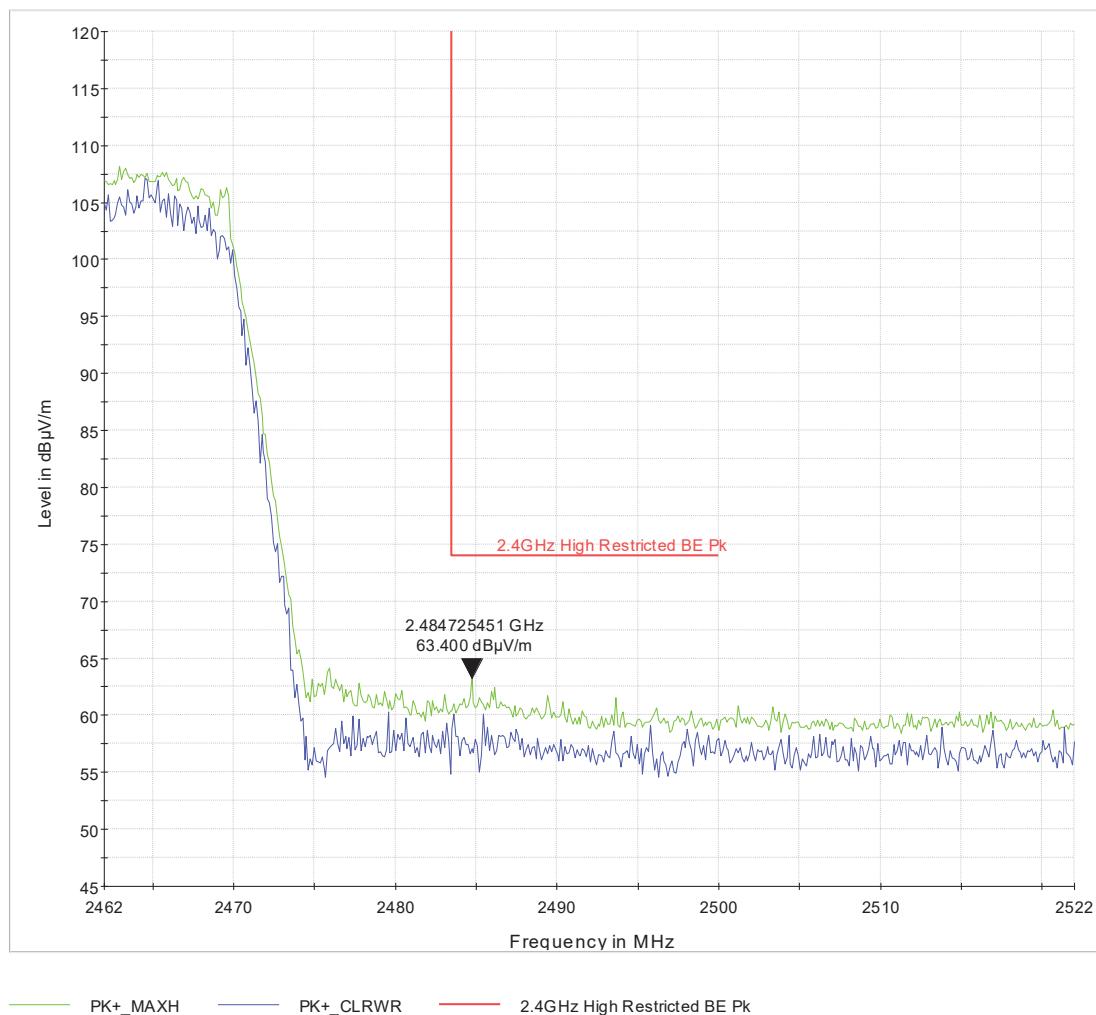
**Figure 26** High\_Rest\_BE\_ch11\_VHT20\_Tx=17\_2x2\_BF\_284deg\_192cm\_V\_pk



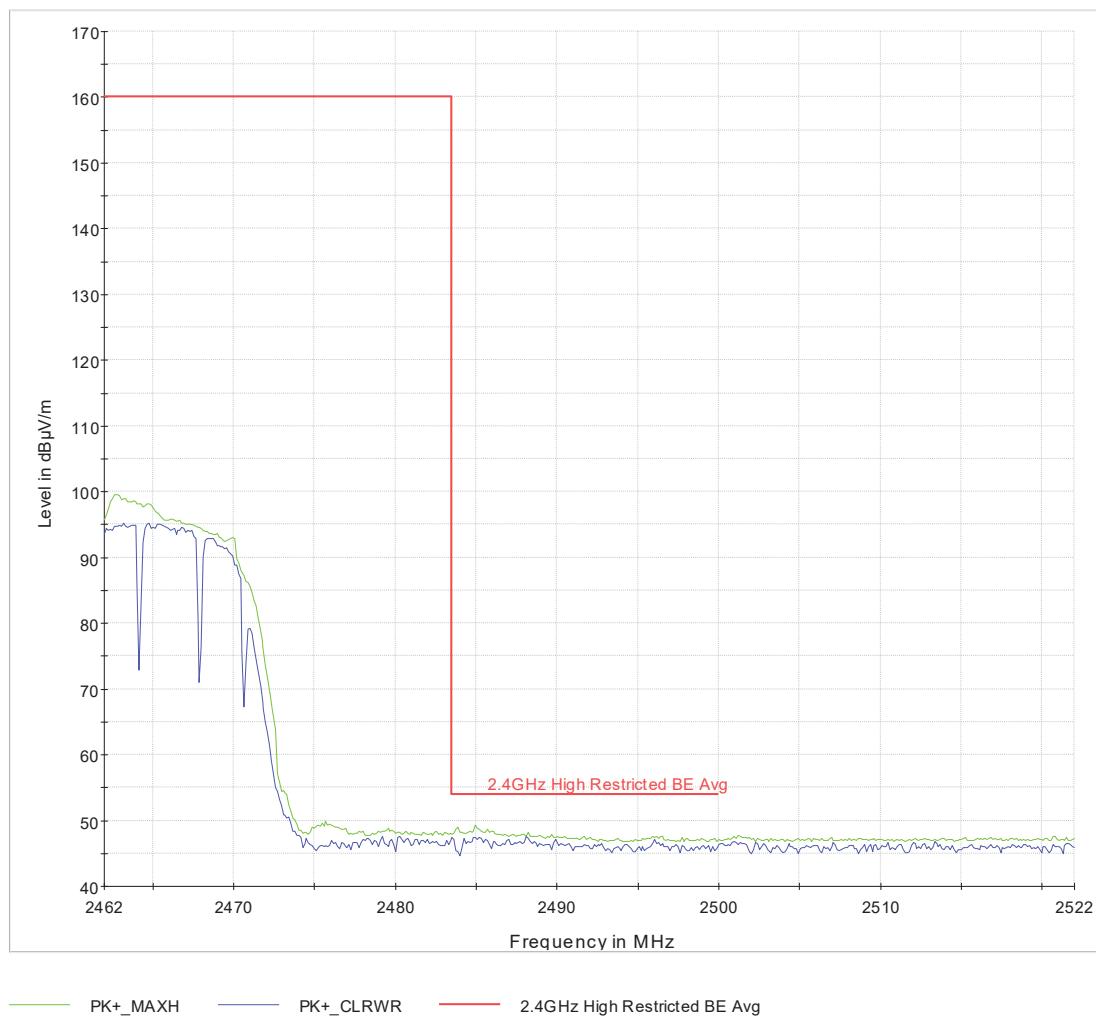
**Figure 27** High\_Rest\_BE\_ch11\_VHT20\_Tx=17\_2x2\_BF\_maximize



**Figure 28** High\_Rest\_BE\_ch9\_HT40\_Tx=14\_2x2\_BF\_0deg\_105cm\_avg



**Figure 29** High\_Rest\_BE\_ch9\_HT40\_Tx=14\_2x2\_BF\_0deg\_105cm\_pk



**Figure 30** High\_Rest\_BE\_ch9\_HT40\_Tx=14\_2x2\_BF\_maximize

## 5 Duty cycle 5GHz band

### Test Method

The ANSI C63.10-2013 Section 12.2 Conducted method was used to measure the Duty cycle. The preliminary investigation was performed at different data rate to determine the highest power output for each mode. The system was powered on and port 1 connected to the Spectrum analyzer. A diag program called QRCT was used to set the AP in continuous Tx mode and also to set the channel, channel power and data rate. This test was conducted on 3 channels for each of the throughput modes. The analyzer was configured as follows.

Cable loss and duty cycle correction were entered as an offset

RBW= 80 MHz.

VBW= 80 MHz.

Span= 0Hz

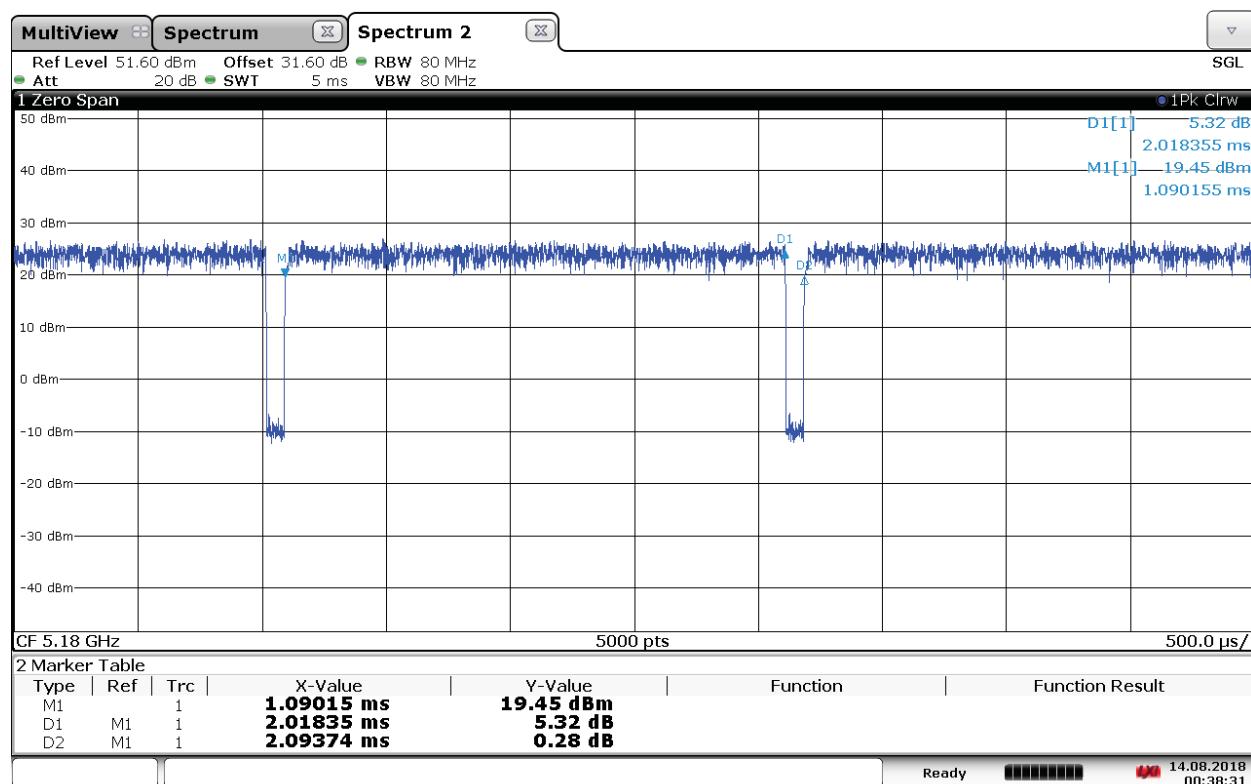
SWT= as needed to get 1.5 cycles captured

Detector = peak

The analyzer captured the cycles and the marker functions were used to compute the cycle time and the off time to calculate the percent of duty cycle.

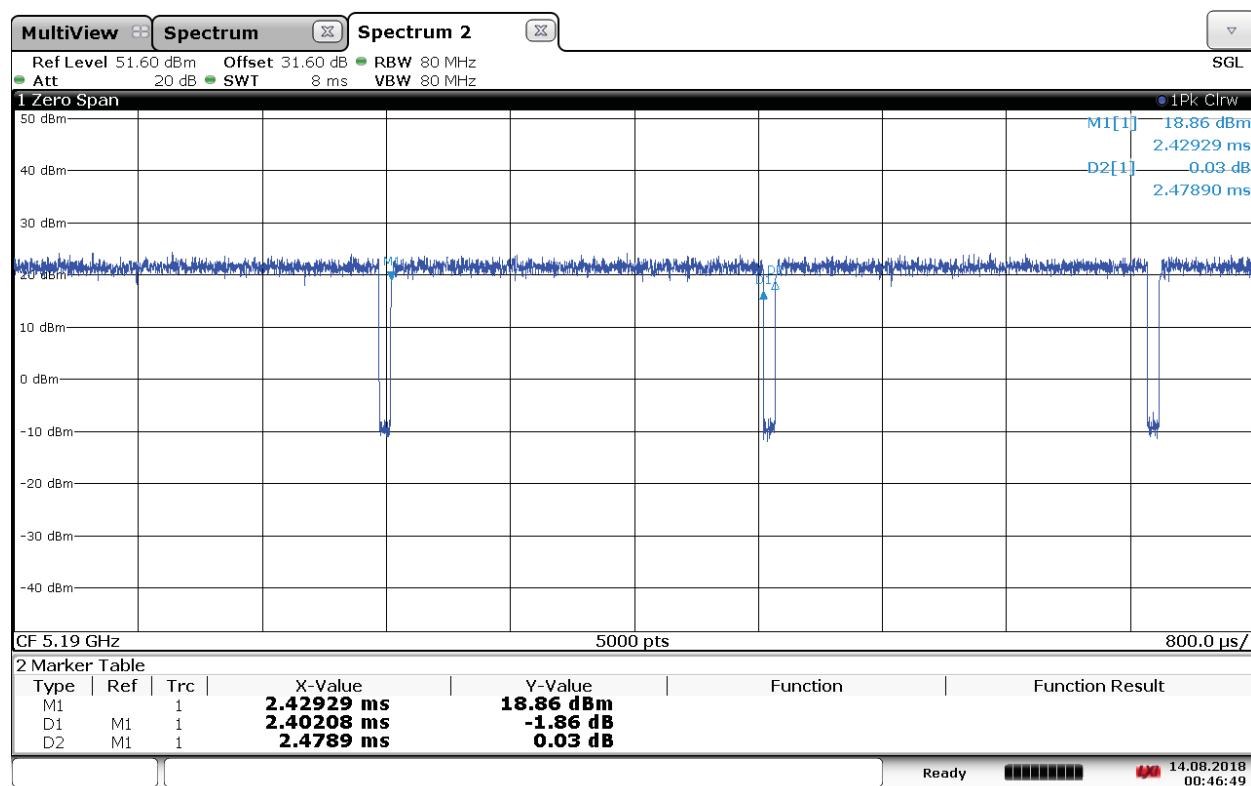
<b>Test Conditions:</b> Conducted Measurement (SA), Normal Temperature	<b>Date:</b> 8/13/2018
<b>Antenna Type:</b>	Stamped metal dipole
<b>Duty cycle correction: see sect. 5</b>	Data Rate: 1mbps,6mbps, MCS0
<b>Ambient Temp.: 23° C</b>	Relative Humidity: 38 %RH

Mode	Duty Cycle	Duty Cycle Correction Factor
NoHT	96.7%	0.1
HT40+	96.9%	0.1
VHT20	98.4%	0.0
VHT40	96.9%	0.1
VHT80	93.3%	0.3



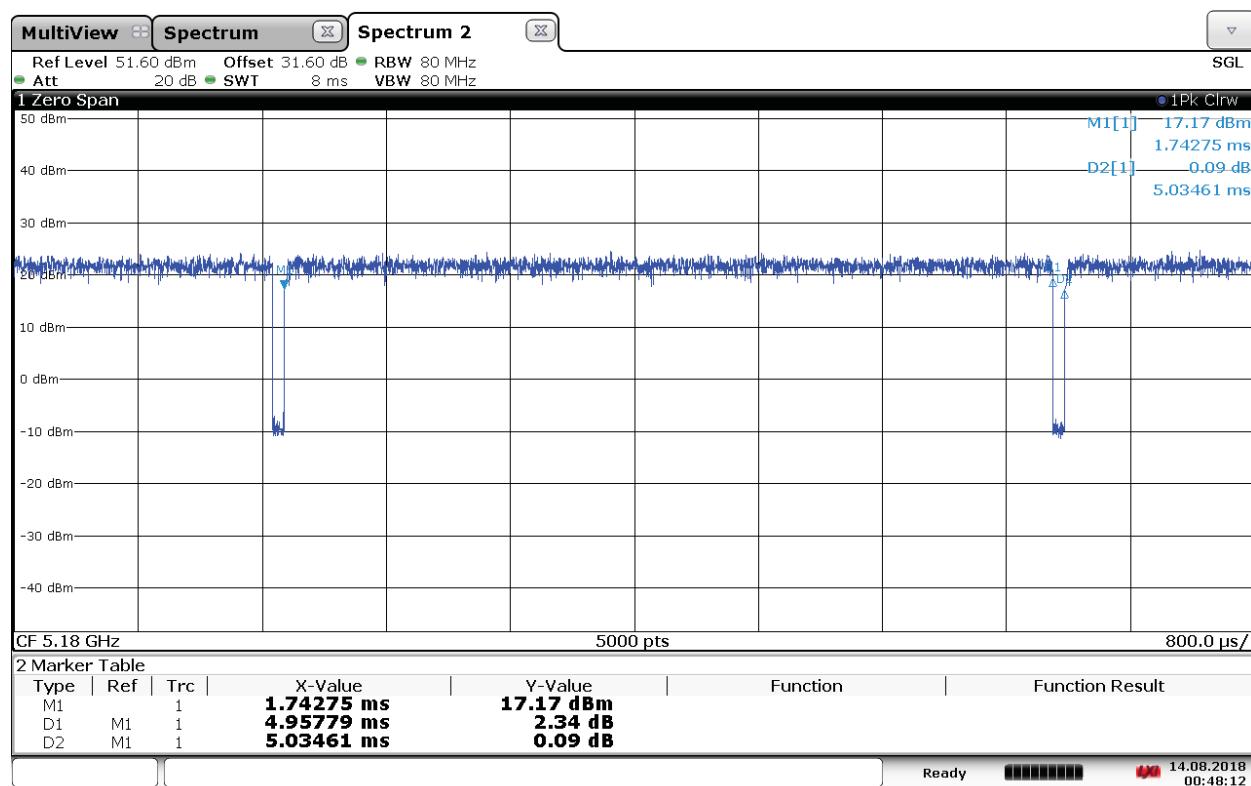
00:38:31 14.08.2018

Duty Cycle Channel 36 No HT



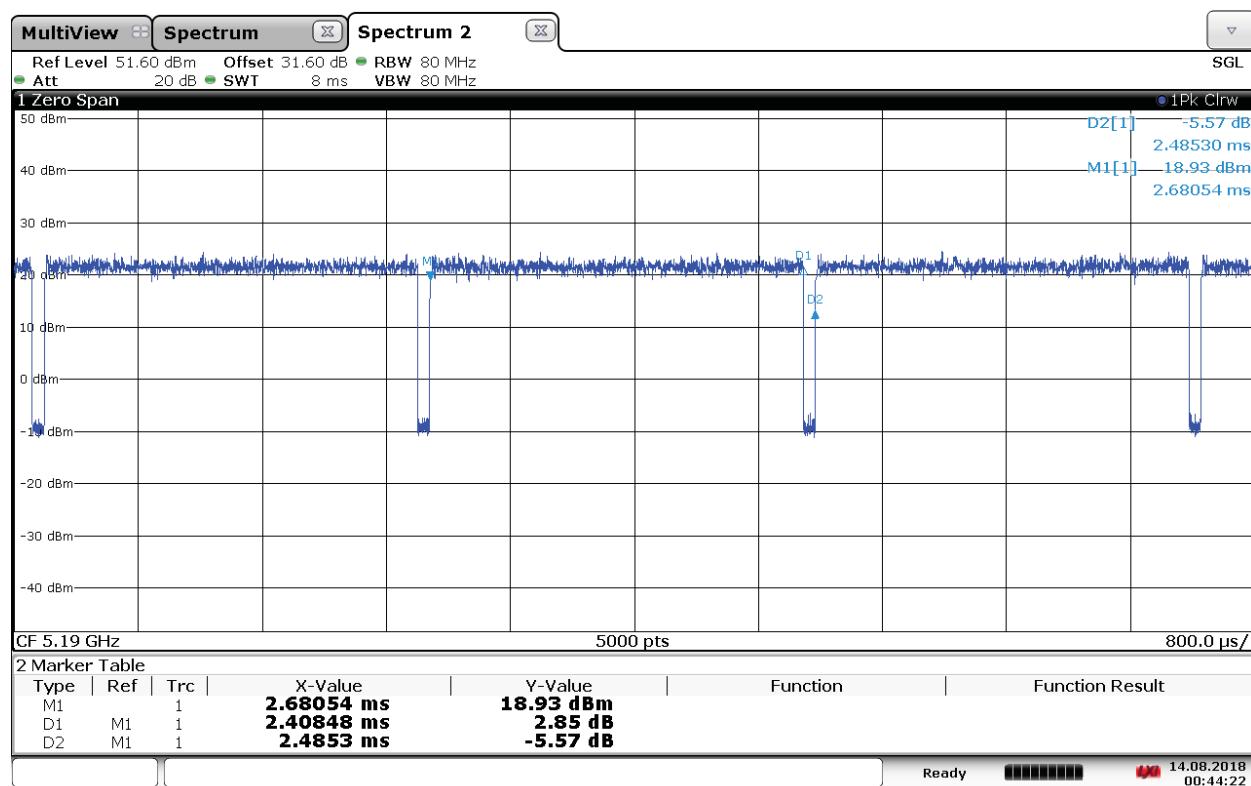
00:46:50 14.08.2018

Duty Cycle Channel 38 HT40+



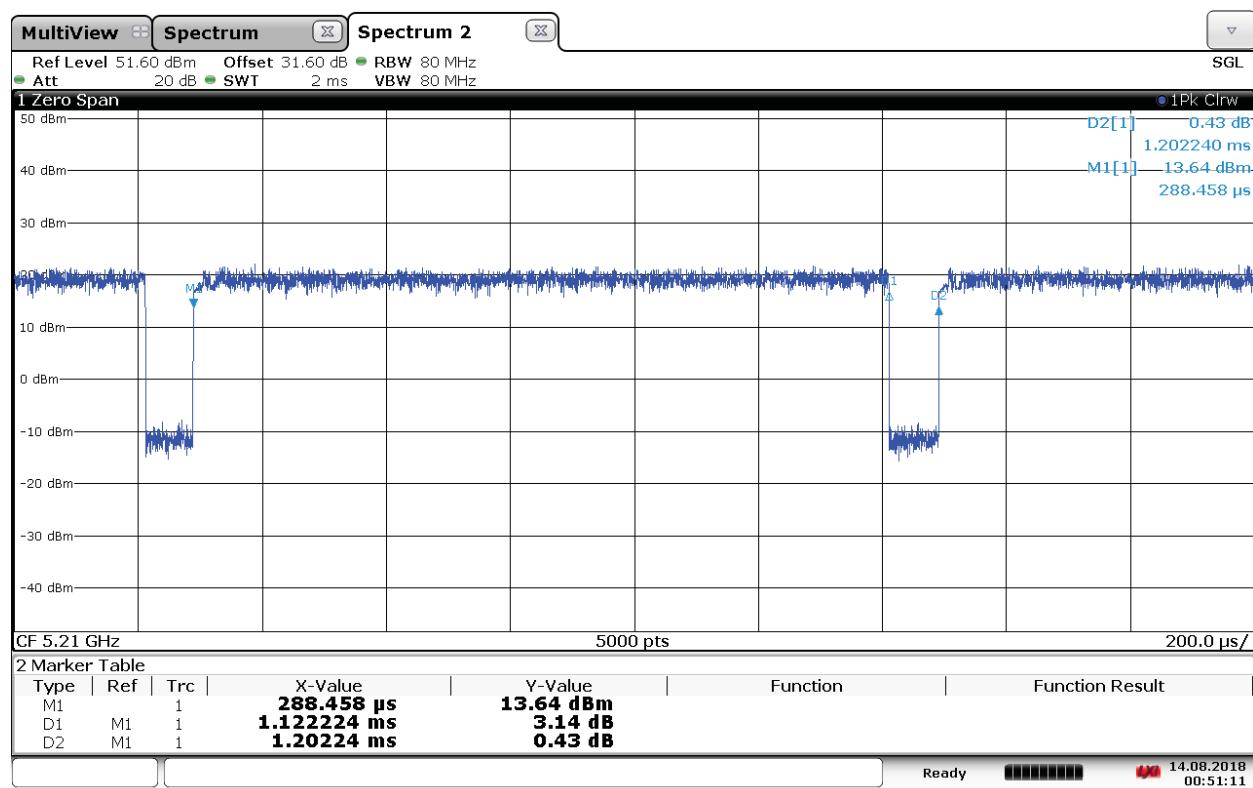
00:48:12 14.08.2018

Duty Cycle Channel136 VHT20



00:44:23 14.08.2018

Duty Cycle Channel138 VHT40



00:51:12 14.08.2018

Duty Cycle Channel142 VHT80

## 6 5GHz Emissions

### 6.1 Output Power

#### 6.1.1 Limit(s)

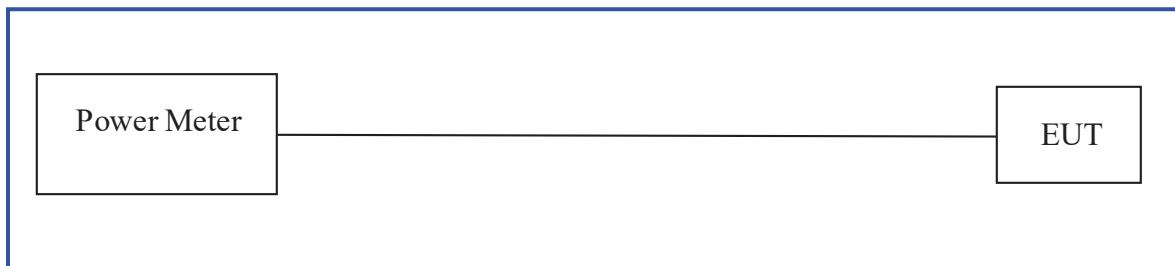
The maximum output power and harmonics shall not exceed CFR47 Part 15.407 (a):2016 and RSS 247 Sect. 6.2.1 and 5.4.

The maximum allowed transmit powers are

Frequency (MHz)	§15.407	RSS-247
5150-5250	30 dBm (Conducted)	24 dBm (EIRP)
5725-5850	30 dBm (Conducted)	30 dBm (Conducted)

#### 6.1.2 Test Method

The ANSI C63.10-2013 Section 12.3.3.2 conducted method was used to measure the channel power output. The preliminary investigation was performed at different data rate/ chain to determine the highest power output for each mode. The worst findings were conducted on the low, middle and high channels, where applicable, in each operating range per CFR47 Part 15.407(a) and RSS 247 Sect. 6.2.1.1; 5150 MHz to 5250 MHz. The worst mode results indicated below.



Each chain was measured individually using a gated RMS power meter per 12.3.3.2 Method PM-Gand then summed per ANSI 63.10 section 14.3.1.

<b>Test Conditions:</b> Conducted Measurement (SA), Normal Temperature	<b>Date:</b> 8/15/2018
<b>Antenna Gain:</b> <b>5150-5250MHz:</b> Chain 0 = 4.15dBi Chain 1 = 4.40dBi <b>5725-5850MHz:</b> Chain 0 = 4.03dBi Chain 1 = 4.50dBi	Stamped metal dipole
<b>Duty cycle correction:</b> see sect. 5	Data Rate: 6mbps, MCS0
<b>Ambient Temp.:</b> 23° C	Relative Humidity: 38 %RH

### 6.1.3 Results:

#### 6.1.3.1 FCC Output Power:

UNII-1 (5150-5250MHz) CDD Mode								
Mode	Channel	Bandwidth (MHz)	Frequency (MHz)	Power Setting	Total Power (RMS)	Limit (dBm)	Margin (dB)	Result
802.11a NoHT 6Mbps	36	20	5180	20.5	23.9	30	6.1	Pass
	44	20	5220	20.5	23.6	30	6.4	Pass
	48	20	5240	20.5	23.4	30	6.6	Pass
802.11n HT40+ MCS0	38	40	5190	17.0	20.5	30	9.5	Pass
	46	40	5230	17.0	20.2	30	9.8	Pass
802.11ac VHT80 MCS0	42	80	5210	16.5	19.4	30	10.6	Pass
UNII-3 (5725-5850MHz) CDD Mode								
Mode	Channel	Bandwidth (MHz)	Frequency (MHz)	Power Setting	Total Power (RMS)	Limit (dBm)	Margin (dB)	Result
802.11a NoHT 6Mbps	149	20	5745	25.0	27.2	30	2.8	Pass
	157	20	5785	25.0	27.0	30	3	Pass
	165	20	5825	25.0	27.4	30	2.6	Pass
802.11n HT40+ MCS0	151	40	5755	24.5	26.9	30	3.1	Pass
	159	40	5795	24.5	26.8	30	3.2	Pass
802.11ac VHT80 MCS0	155	80	5775	20.5	22.8	30	7.2	Pass

FCC Output Power (continued):

UNII-1 (5150-5250MHz) Beamforming Mode								
Mode	Channel	Bandwidth (MHz)	Frequency (MHz)	Power Setting	Total Power (RMS)	Limit (dBm)	Margin (dB)	Result
802.11a NoHT 6Mbps	36	20	5180	18.0	21.3	29	7.7	Pass
	44	20	5220	18.0	21.0	29	8	Pass
	48	20	5240	18.0	20.8	29	8.2	Pass
802.11n HT40+ MCS0	38	40	5190	17.0	20.5	29	8.5	Pass
	46	40	5230	17.0	20.2	29	8.8	Pass
802.11ac VHT80 MCS0	42	80	5210	16.5	19.5	29	9.5	Pass
UNII-3 (5725-5850MHz) Beamforming Mode								
Mode	Channel	Bandwidth (MHz)	Frequency (MHz)	Power Setting	Total Power (RMS)	Limit (dBm)	Margin (dB)	Result
802.11a NoHT 6Mbps	149	20	5745	25.0	27.1	29	1.9	Pass
	157	20	5785	25.0	26.7	29	2.3	Pass
	165	20	5825	25.0	26.6	29	2.4	Pass
802.11n HT40+ MCS0	151	40	5755	24.0	26.3	29	2.7	Pass
	159	40	5795	24.0	26.4	29	2.6	Pass
802.11ac VHT80 MCS0	155	80	5775	20.5	23.0	29	6	Pass

### 6.1.3.2 ISED Output Power:

UNII-1 (5150-5250MHz) CDD Mode										
Mode	Channel	Bandwidth (MHz)	Frequency (MHz)	Power Setting	Total RMS Power (dBm)	Combined Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Margin (dB)	Result
802.11a NoHT 6Mbps	36	20	5180	13.0	16.4	4.3	20.7	22.1	1.4	Pass
	44	20	5220	13.0	16.2	4.3	20.5	22.1	1.6	Pass
	48	20	5240	13.0	15.8	4.3	20.1	22.1	2.0	Pass
802.11n HT40+ MCS0	38	40	5190	14.0	17.4	4.3	21.7	23.0	1.3	Pass
	46	40	5230	14.0	17.0	4.3	21.3	23.0	1.7	Pass
802.11ac VHT80 MCS0										
	42	80	5210	14.0	17.0	4.3	21.3	23.0	1.7	Pass
UNII-3 (5725-5850MHz) CDD Mode										
Mode	Channel	Bandwidth (MHz)	Frequency (MHz)	Power Setting	Total RMS Power (dBm)		Limit (dBm)	Margin (dB)	Result	
802.11a NoHT 6Mbps	149	20	5745	25.0	27.2		30	2.8	Pass	
	157	20	5785	25.0	26.9		30	3.1	Pass	
	165	20	5825	25.0	27.3		30	2.7	Pass	
802.11n HT40+ MCS0	151	40	5755	24.5	26.9		30	3.1	Pass	
	159	40	5795	24.5	26.8		30	3.2	Pass	
802.11ac VHT80 MCS0										
	155	80	5775	20.5	23.0		30	7.0	Pass	

ISED Output Power (Continued):

UNII-1 (5150-5250MHz) Beamforming Mode										
Mode	Channel	Bandwidth (MHz)	Frequency (MHz)	Power Setting	Total RMS Power (dBm)	Combined Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Margin (dB)	Result
802.11a NoHT 6Mbps	36	20	5180	13.0	16.4	4.3	20.7	22.1	1.4	Pass
	44	20	5220	13.0	16.1	4.3	20.4	22.1	1.7	Pass
	48	20	5240	13.0	15.8	4.3	20.1	22.1	2.0	Pass
802.11n HT40+ MCS0	38	40	5190	14.0	17.5	4.3	21.8	23.0	1.2	Pass
	46	40	5230	14.0	17.1	4.3	21.4	23.0	1.6	Pass
802.11ac VHT80 MCS0	42	80	5210	14.0	17.0	4.3	21.3	23.0	1.7	Pass
UNII-3 (5725-5850MHz) Beamforming Mode										
Mode	Channel	Bandwidth (MHz)	Frequency (MHz)	Power Setting	Total RMS Power (dBm)	Limit (dBm)		Margin (dB)	Result	
802.11a NoHT 6Mbps	149	20	5745	25	27.2	29		1.8	Pass	
	157	20	5785	25	26.6	29		2.4	Pass	
	165	20	5825	25	26.5	29		2.5	Pass	
802.11n HT40+ MCS0	151	40	5755	24.5	26.7	29		2.3	Pass	
	159	40	5795	24.5	26.9	29		2.1	Pass	
802.11ac VHT80 MCS0	155	80	5775	20.5	23.0	29		6.0	Pass	

## 6.2 Peak Power Spectral Density (PPSD)

### 6.2.1 Limit(s):

**U-NII-1 Band (5150-5250MHz):**

FCC Part 15.407 (a):

17 dBm in any 1 MHz band

If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

RSS 247 Section 6.2.1.1:

10 dBm in any 1 MHz band, E.I.R.P.

**U-NII-3 Band (5725-5850MHz):**

FCC Part 15.407(a):

30 dBm in any 500KHz band

If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

RSS 247 Section 6.2.4.1:

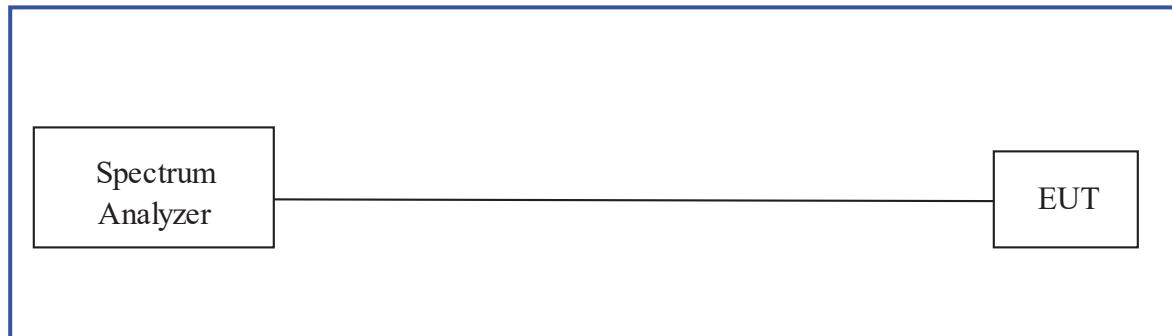
30 dBm in any 500KHz band

If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

## 6.2.2 Test Method

The conducted method was used to measure the power spectral density per ANSI C63.10-2013 section 12.5 and 14.3.2.3. A pre-evaluation was performed to find the worst case modes and chain. The worst findings were conducted on the low, middle and high channels, where applicable, in the operating frequency ranges of 5150-5250MHz and 5725-5850MHz.

U-NII-3 (5725-5850MHz) Peak power spectral density not measured as the RF output power is lower than the PPSD limit (30 dBm/500KHz) with a worse case occupied bandwidth of 16.4MHz.



## 6.2.3 Results

As originally tested, the EUT was found to be compliant to the requirements of the test standard(s).

U-NII-3 (5725-5850MHz) Peak power spectral density implies compliance as the RF output power is lower than the PPSD limit (30 dBm/500KHz) with a worse case occupied bandwidth of 16.4MHz.

### 6.2.3.1 FCC Peak Power Spectral Density:

Note: Chain 0 was found as worse case with respect to output power.

U-NII-1 (5150-5250MHz) CDD Mode										
Mode	Channel	Bandwidth (MHz)	Frequency (MHz)	Power Setting	Worst Chain Measured PPSD (dBm)	Duty Cycle(%)	Total PPSD (dBm)	Limit (dBm/MHz)	Margin (dB)	Result
802.11a NoHT 6Mbps	36	20	5180	20.5	9.6	96.7%	12.7	16	3.3	Pass
	44	20	5220	20.5	9.4	96.7%	12.5	16	3.5	Pass
	48	20	5240	20.5	9.1	96.7%	12.2	16	3.8	Pass
802.11n HT40+ MCS0	38	40	5190	17.0	3.5	96.9%	6.6	16	9.4	Pass
	46	40	5230	17.0	3.4	96.9%	6.5	16	9.5	Pass
802.11ac VHT80 MCS0	42	80	5210	16.5	-1.2	93.3%	2.1	16	13.9	Pass

U-NII-1 (5150-5250MHz) Beamforming Mode										
Mode	Channel	Bandwidth (MHz)	Frequency (MHz)	Power Setting	Worst Chain Measured PPSD (dBm)	Duty Cycle(%)	Total PPSD (dBm)	Limit (dBm/MHz)	Margin (dB)	Result
802.11ac VHT20 MCS0	36	20	5180	18.0	6.9	98.4%	10.0	16	6.0	Pass
	44	20	5220	18.0	7.0	98.4%	10.1	16	5.9	Pass
	48	20	5240	18.0	6.7	98.4%	9.8	16	6.2	Pass
802.11ac VHT40 MCS0	38	40	5190	17.0	3.4	96.9%	6.5	16	9.5	Pass
	46	40	5230	17.0	3.2	96.9%	6.3	16	9.7	Pass
802.11ac VHT80 MCS0	42	80	5210	16.5	-1.1	93.3%	2.2	16	13.8	Pass

### 6.2.3.2 ISED Peak Power Spectral Density:

Note: Chain 0 was found as worse case with respect to output power.

U-NII-1 (5150-5250MHz) CDD Mode												
Mode	Channel	Bandwidth (MHz)	Frequency (MHz)	Power Setting	Worst Chain Measured PPSD (dBm)	Duty Cycle(%)	Total PPSD (dBm)	Max Antenna Gain (dBi)	Total EIRP PPSD (dBm)	EIRP PPSD Limit (dBm/MHz)	Margin (dB)	Result
802.11a NoHT 6Mbps	36	20	5180	13.0	2.2	96.7%	5.3	4.3	9.6	10	0.4	Pass
	44	20	5220	13.0	2.3	96.7%	5.4	4.3	9.7	10	0.3	Pass
	48	20	5240	13.0	1.8	96.7%	4.9	4.3	9.2	10	0.8	Pass
802.11n HT40+ MCS0	38	40	5190	16.0	2.4	96.9%	5.5	4.3	9.8	10	0.2	Pass
	46	40	5230	16.0	2.3	96.9%	5.4	4.3	9.7	10	0.3	Pass
802.11ac VHT80 MCS0												
	42	80	5210	16.5	-1.2	93.3%	2.1	4.3	6.4	10	3.6	Pass

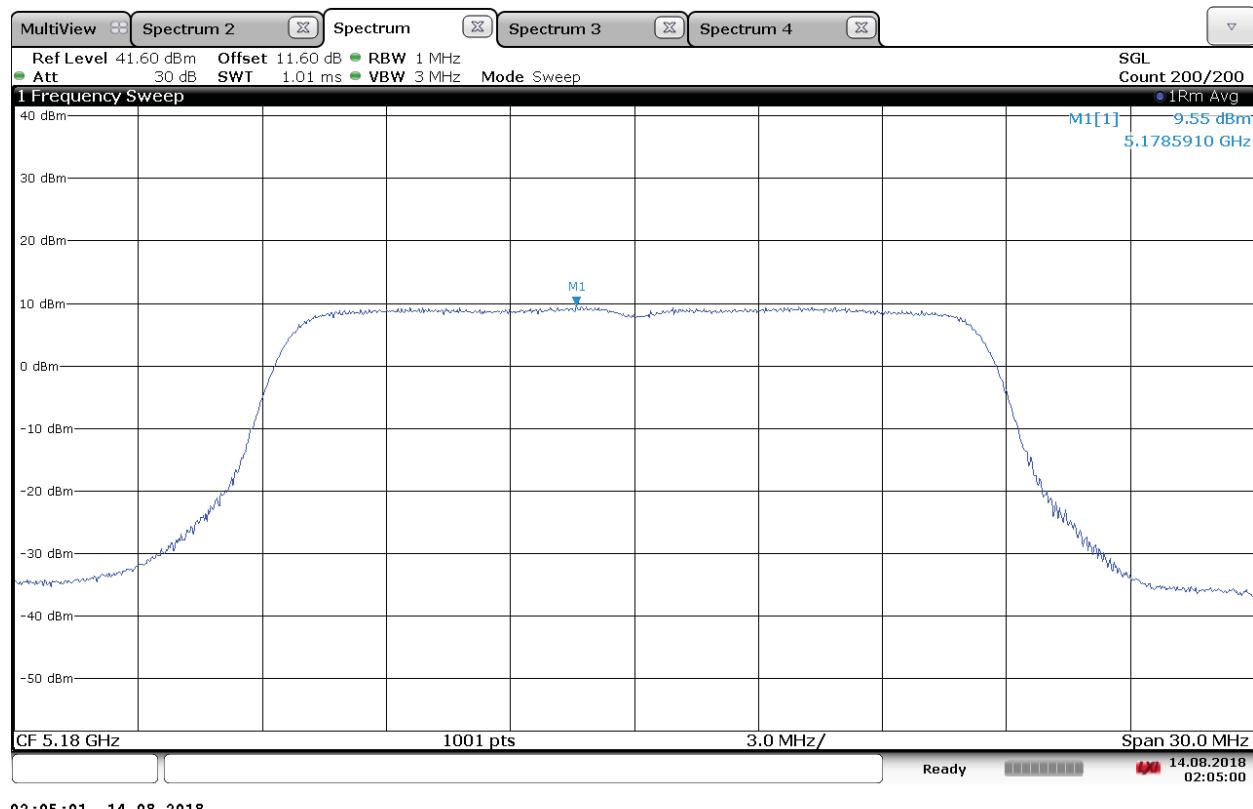
U-NII-1 (5150-5250MHz) Beamforming Mode												
Mode	Channel	Bandwidth (MHz)	Frequency (MHz)	Power Setting	Worst Chain Measured PPSD (dBm)	Duty Cycle(%)	Total PPSD (dBm)	Max Antenna Gain (dBi)	Total EIRP PPSD (dBm)	EIRP PPSD Limit (dBm/MHz)	Margin (dB)	Result
802.11ac VHT20 MCS0	36	20	5180	13.0	2.3	98.4%	5.3	4.3	9.6	10	0.4	Pass
	44	20	5220	13.0	2.3	98.4%	5.3	4.3	9.6	10	0.4	Pass
	48	20	5240	13.0	1.8	98.4%	4.8	4.3	9.1	10	0.9	Pass
802.11ac VHT40 MCS0	38	40	5190	15.0	1.5	96.9%	4.6	4.3	8.9	10	1.1	Pass
	46	40	5230	15.0	1.5	96.9%	4.6	4.3	8.9	10	1.1	Pass
802.11ac VHT80 MCS0												
	42	80	5210	16.5	-1.2	93.3%	2.1	4.3	6.4	10	3.6	Pass

## 6.2.4 Plots:

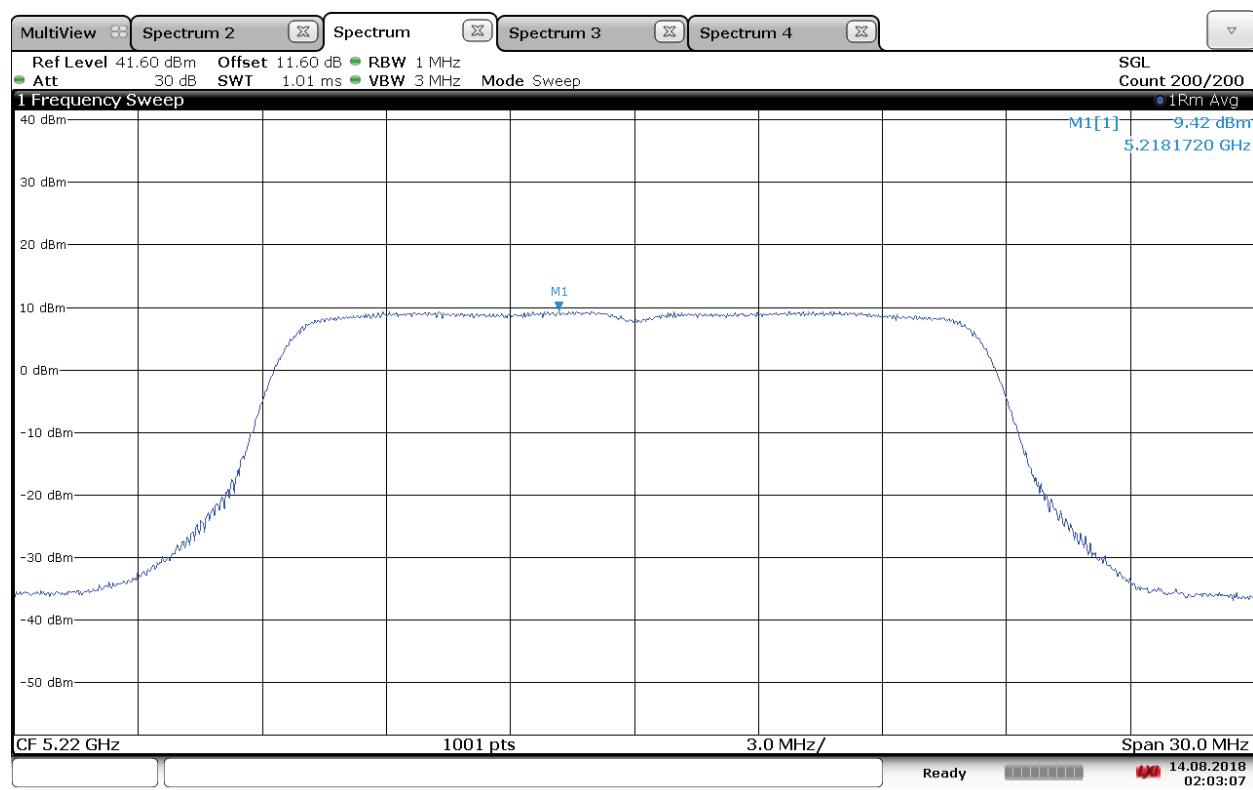
Note: Plots are corrected for Cable loss and 10 dB attenuator only.

### 6.2.4.1 FCC Peak Power Spectral Density

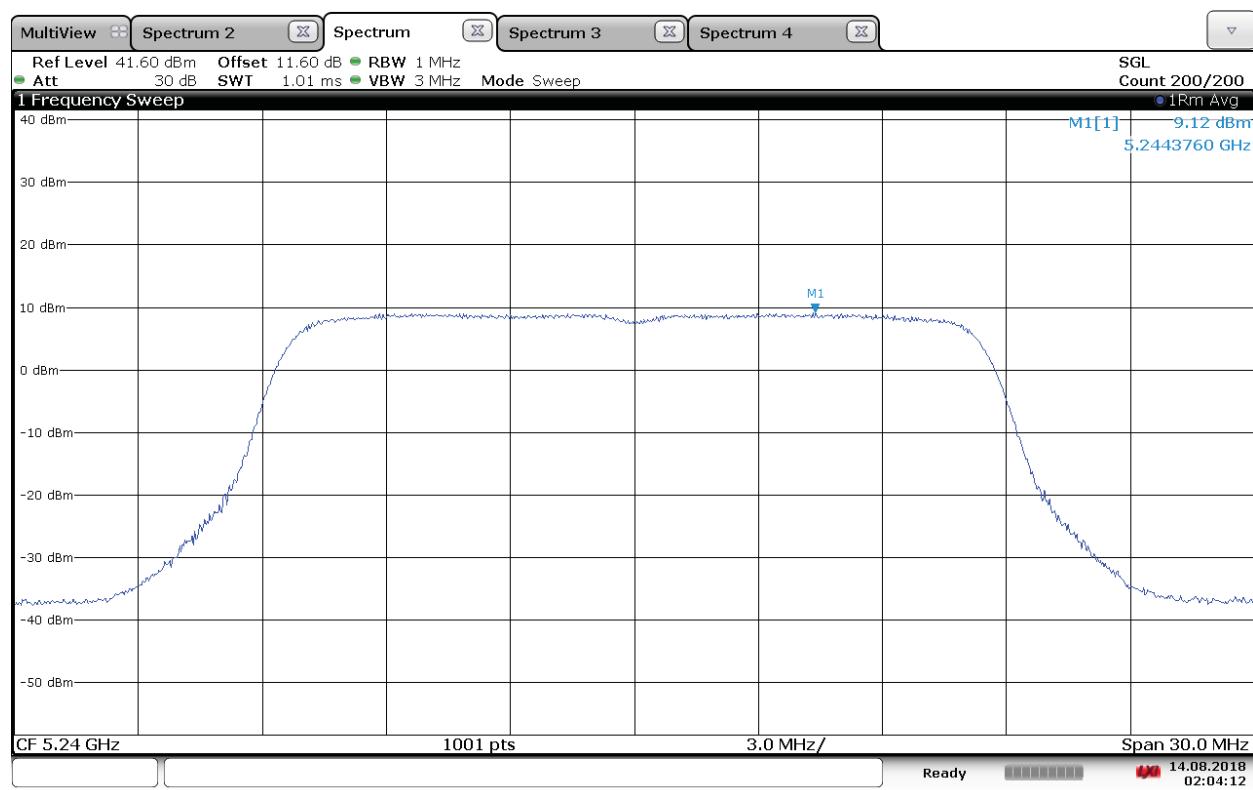
#### 6.2.4.1.1 CDD Mode



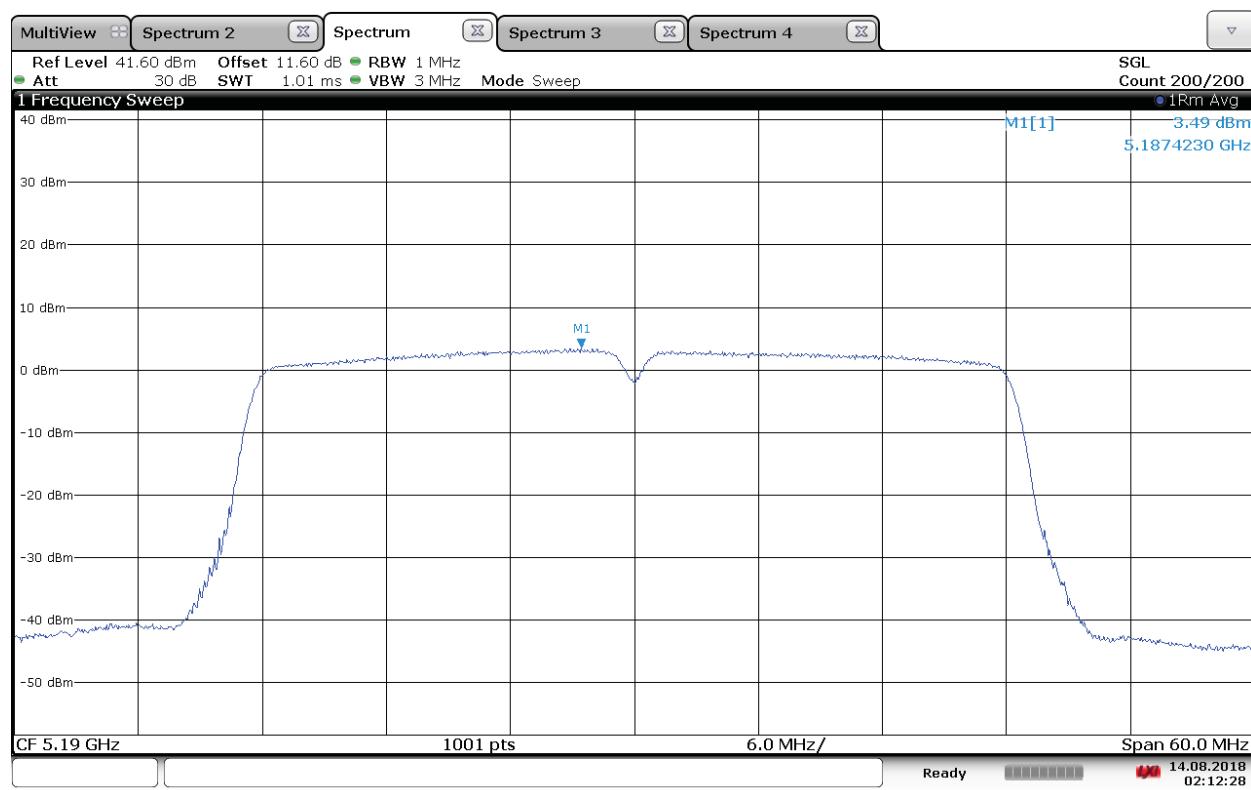
Channel 36 NoHT Chain 0



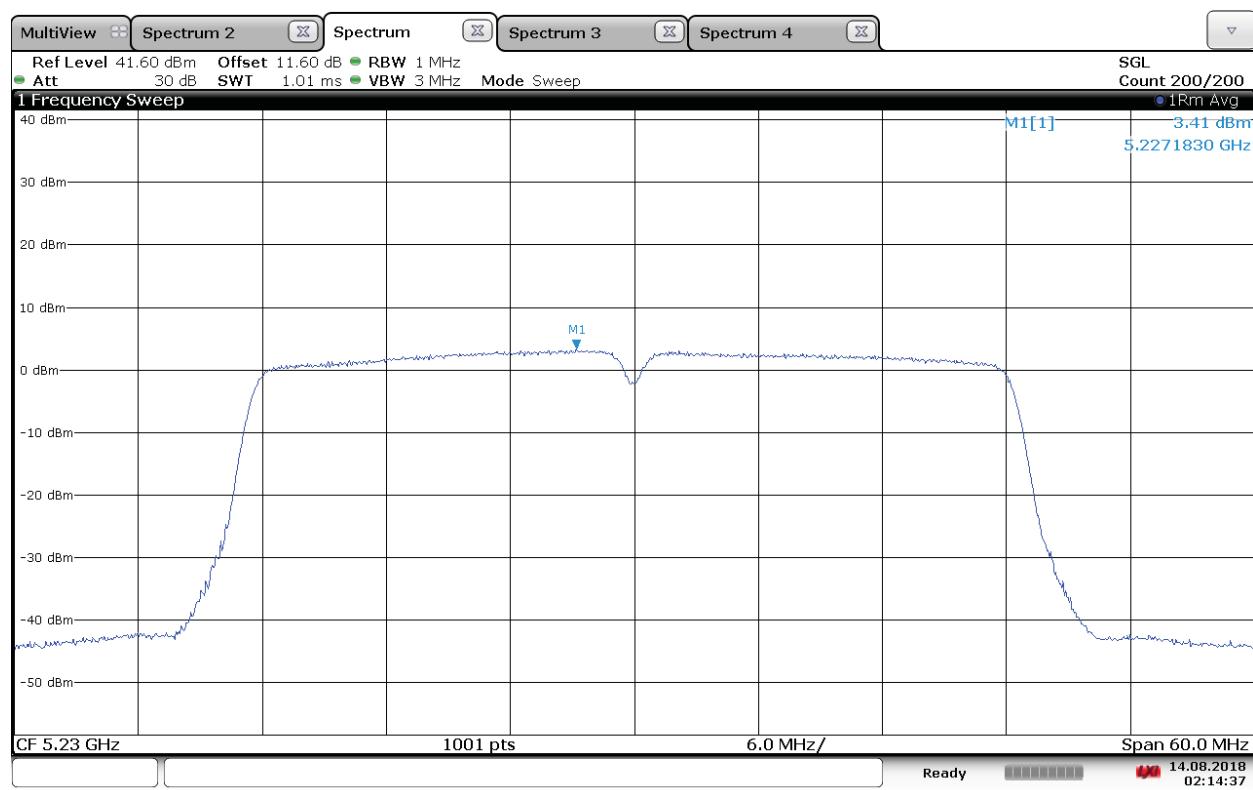
Channel 44 NoHT Chain 0



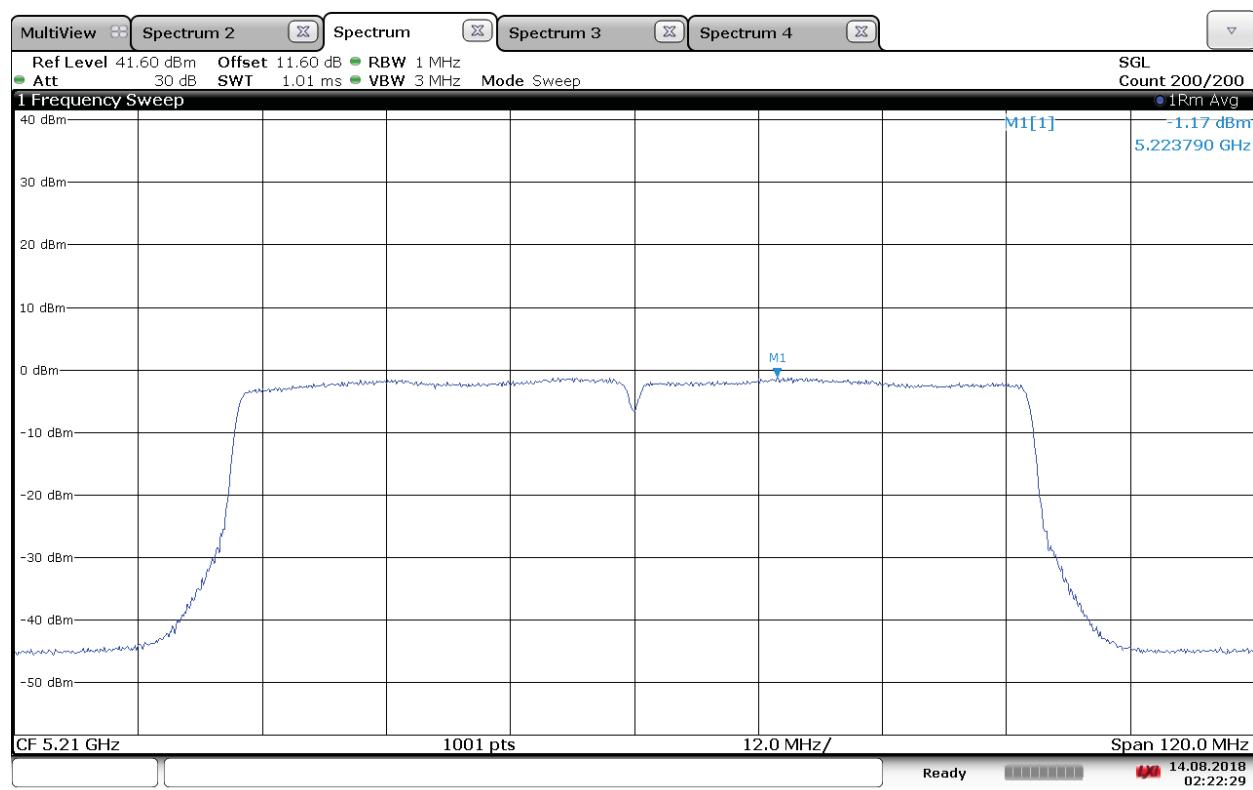
Channel 48 NoHT Chain 0



Channel 38 HT40+ Chain 0

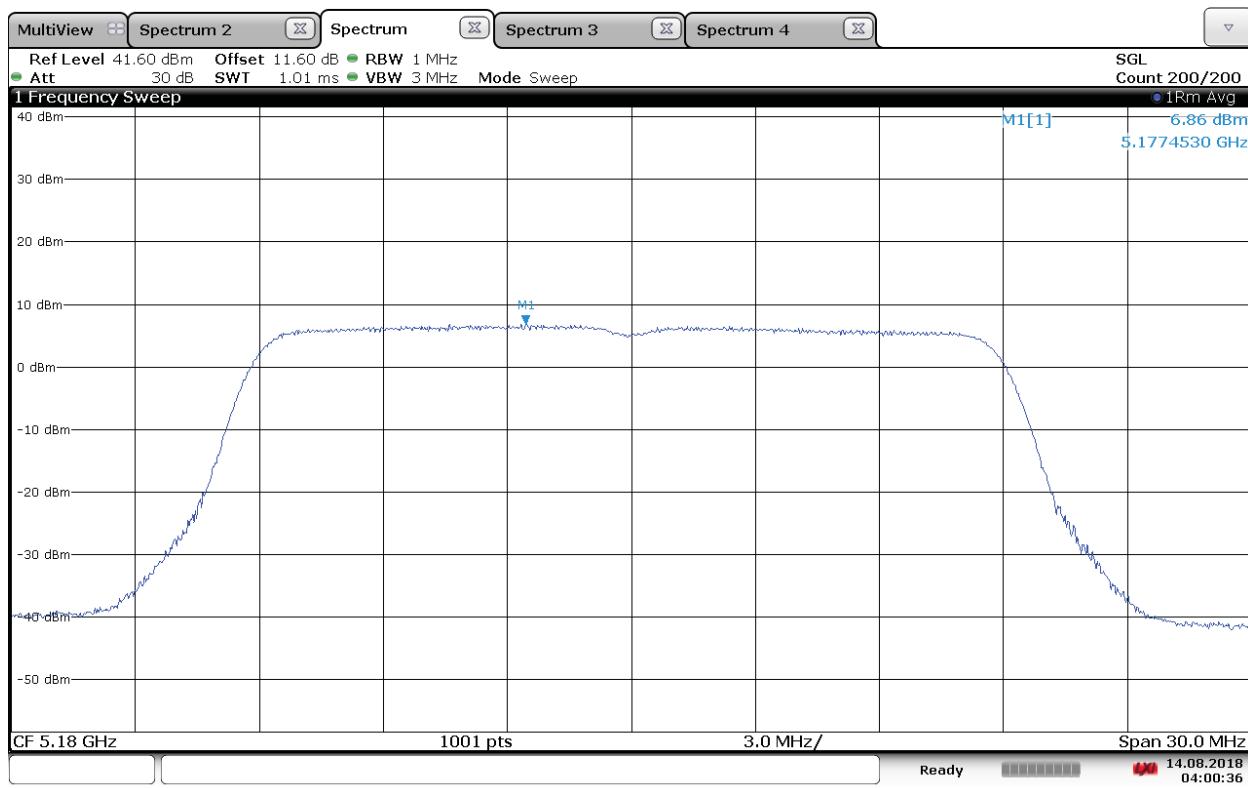


Channel 46 HT40+ Chain 0

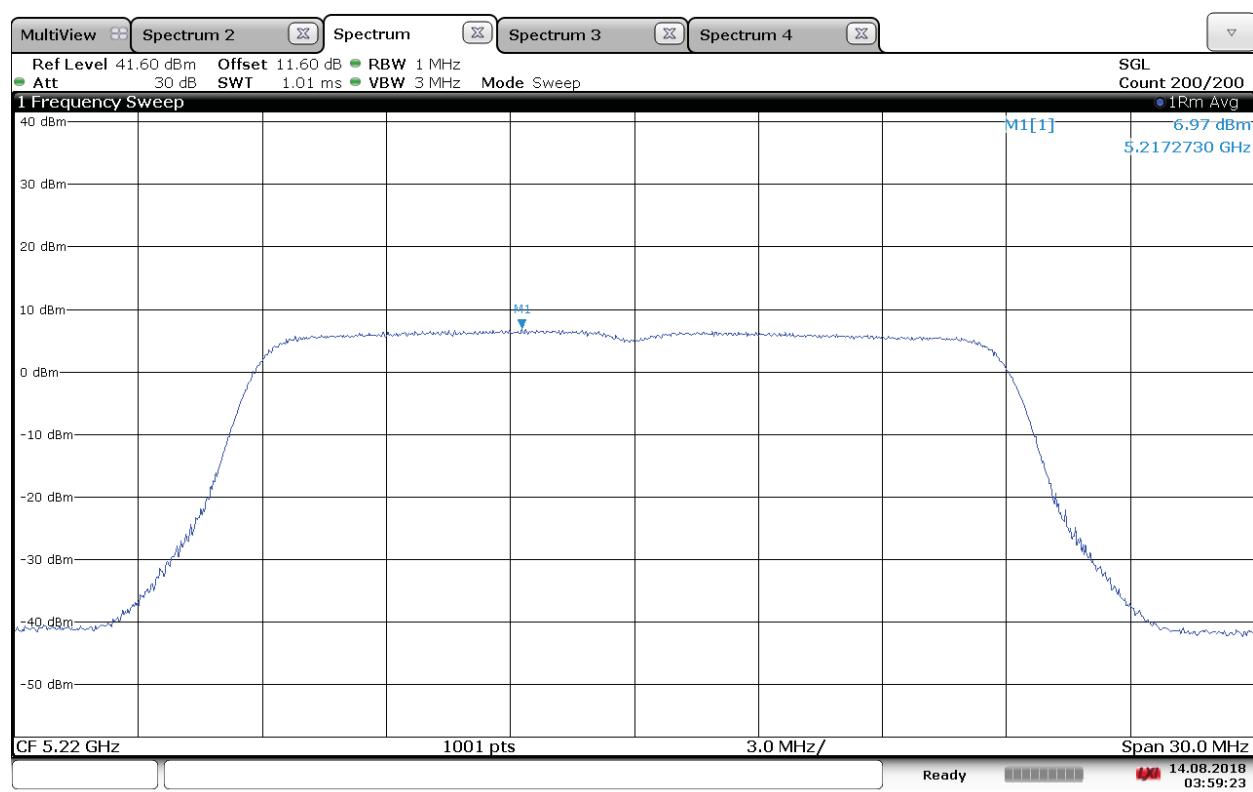


Channel 42 VHT80 Chain 0

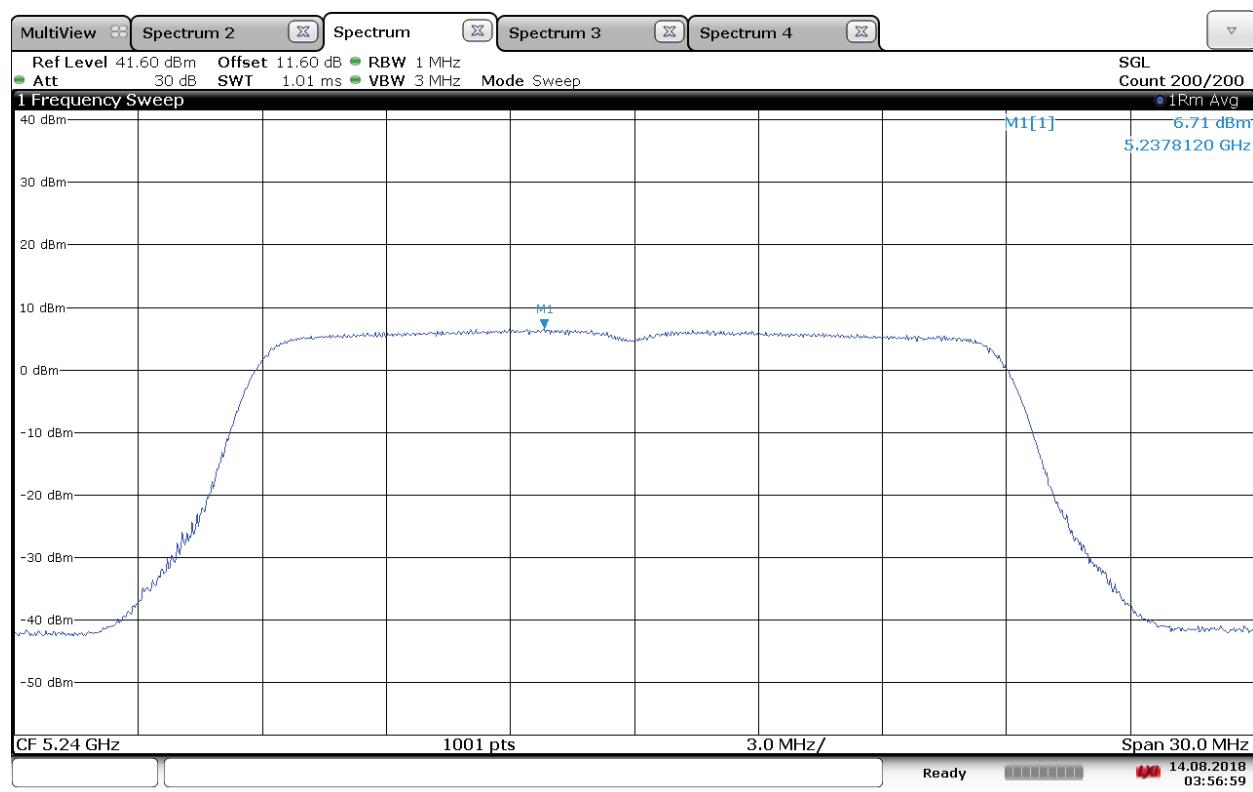
#### 6.2.4.1.2 Beamforming Mode



Channel 36 VHT20 Chain 0

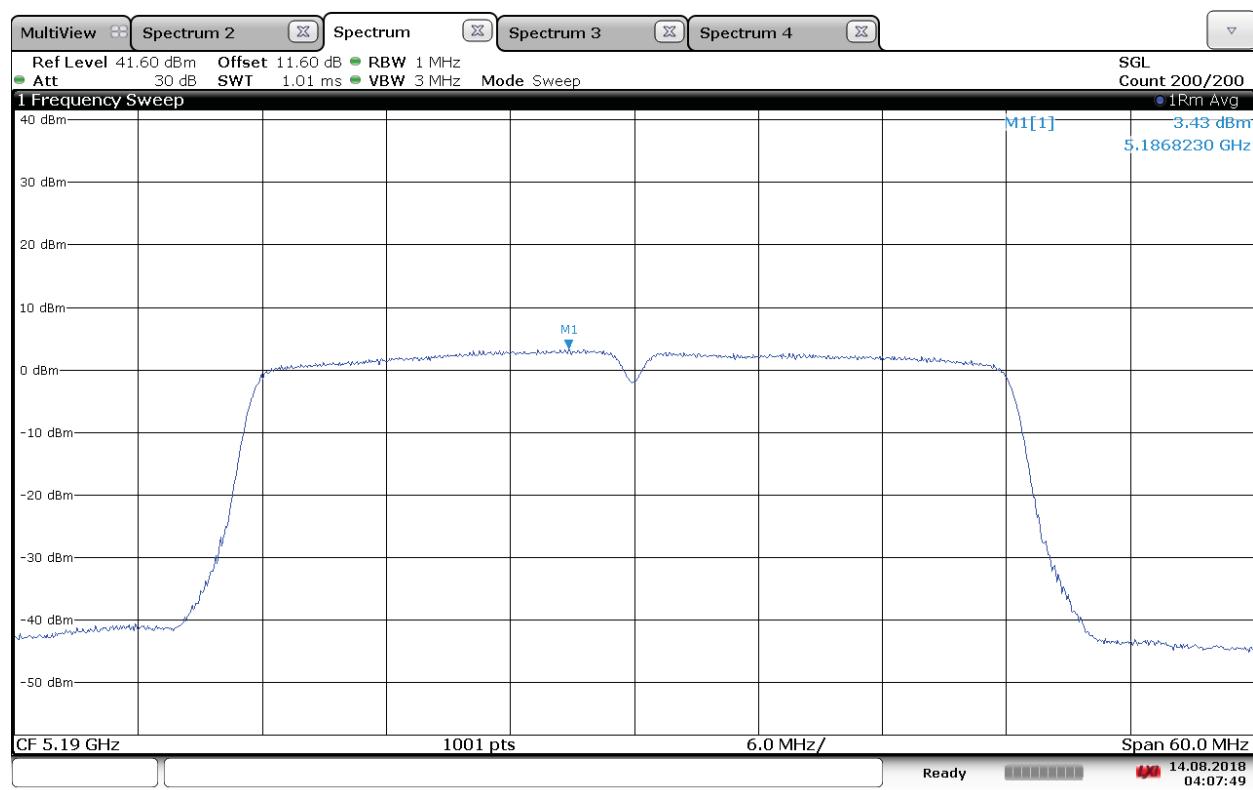


Channel 44 VHT20 Chain 0

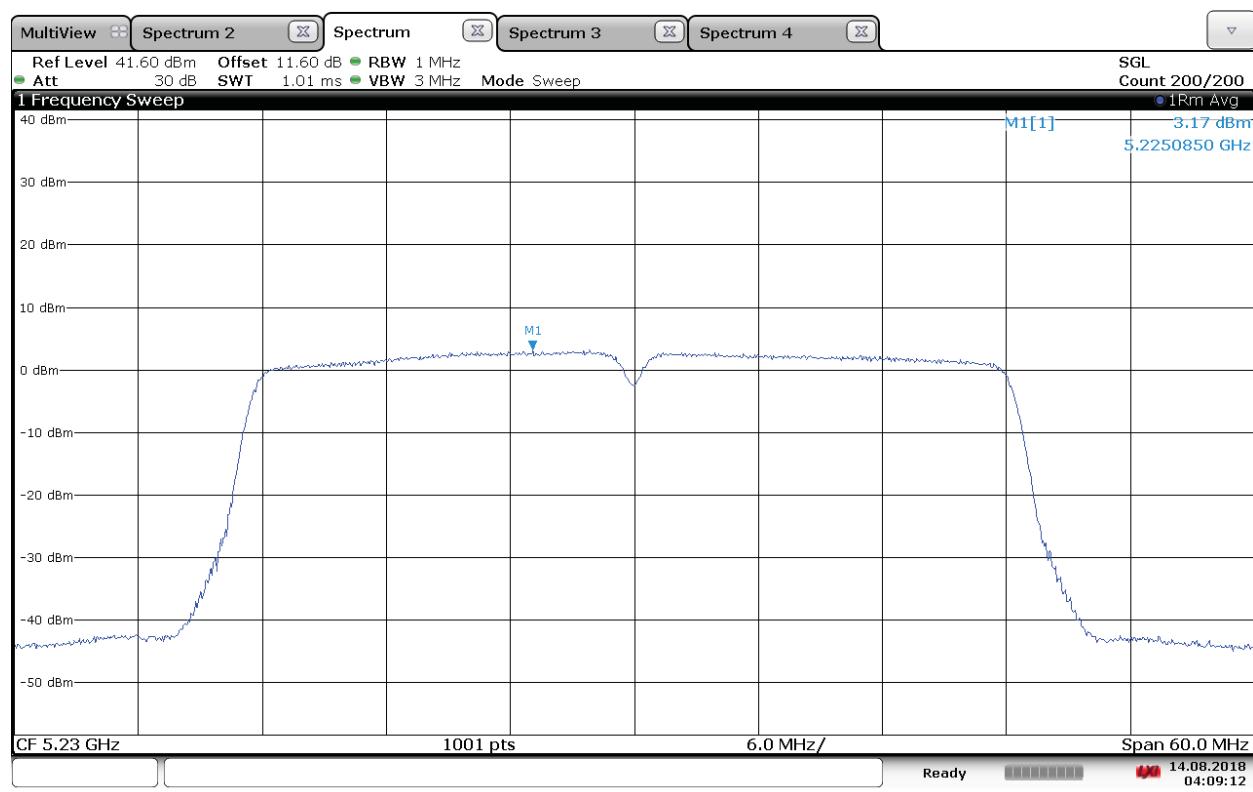


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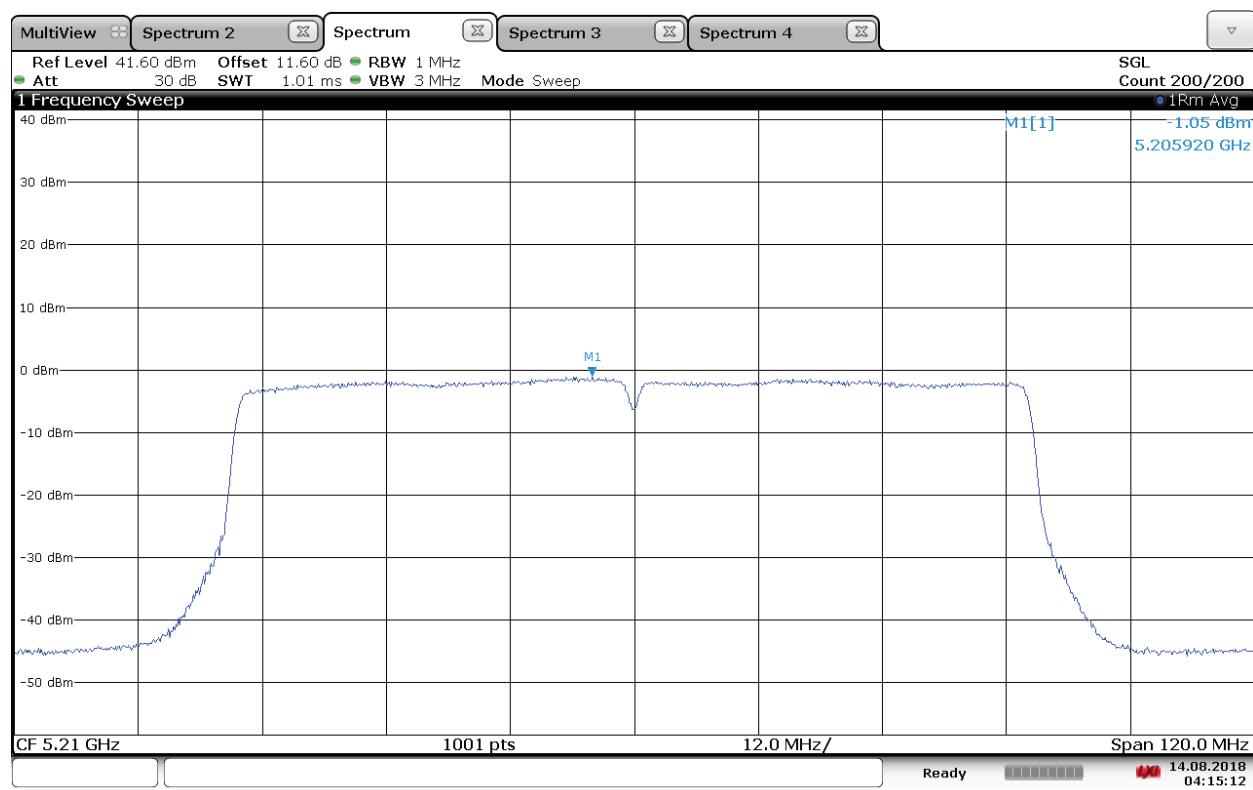
Channel 48 VHT20 Chain 0



Channel 38 VHT40 Chain 0



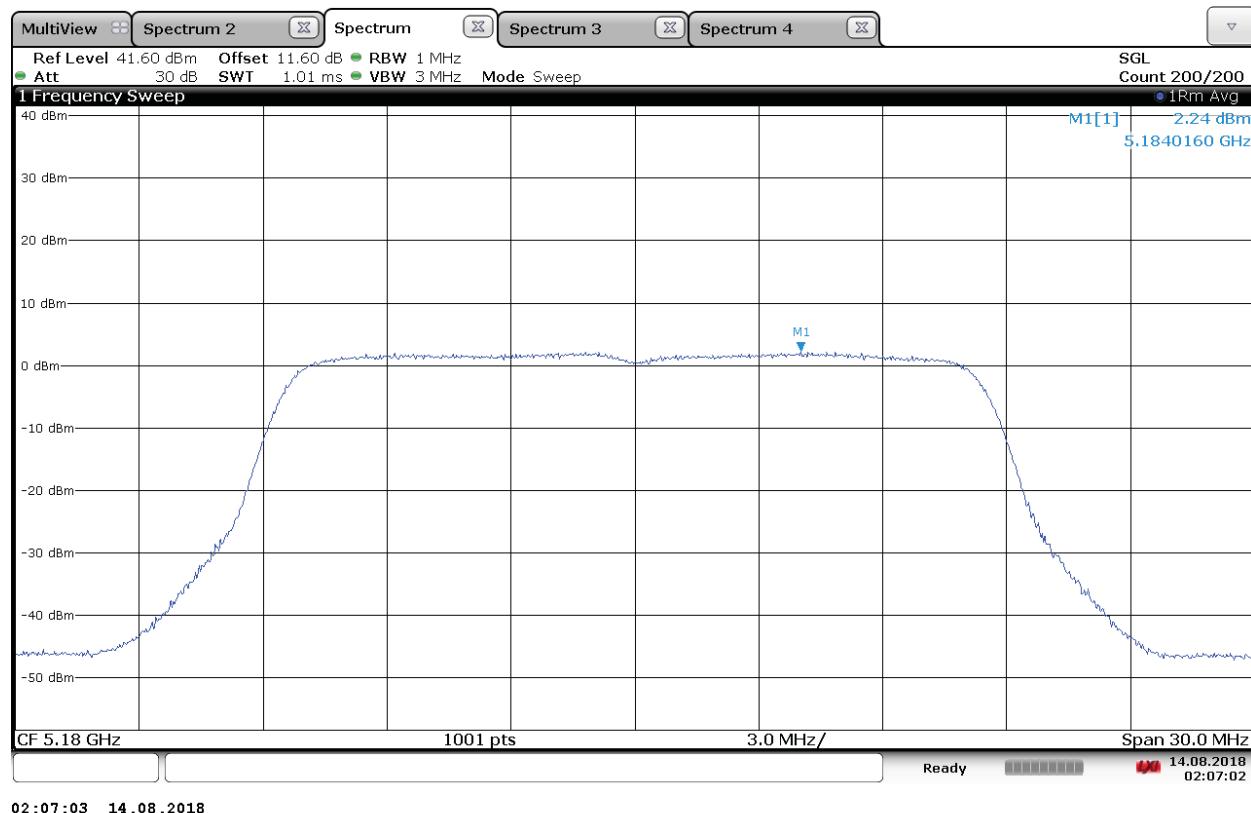
Channel 46 VHT40 Chain 0



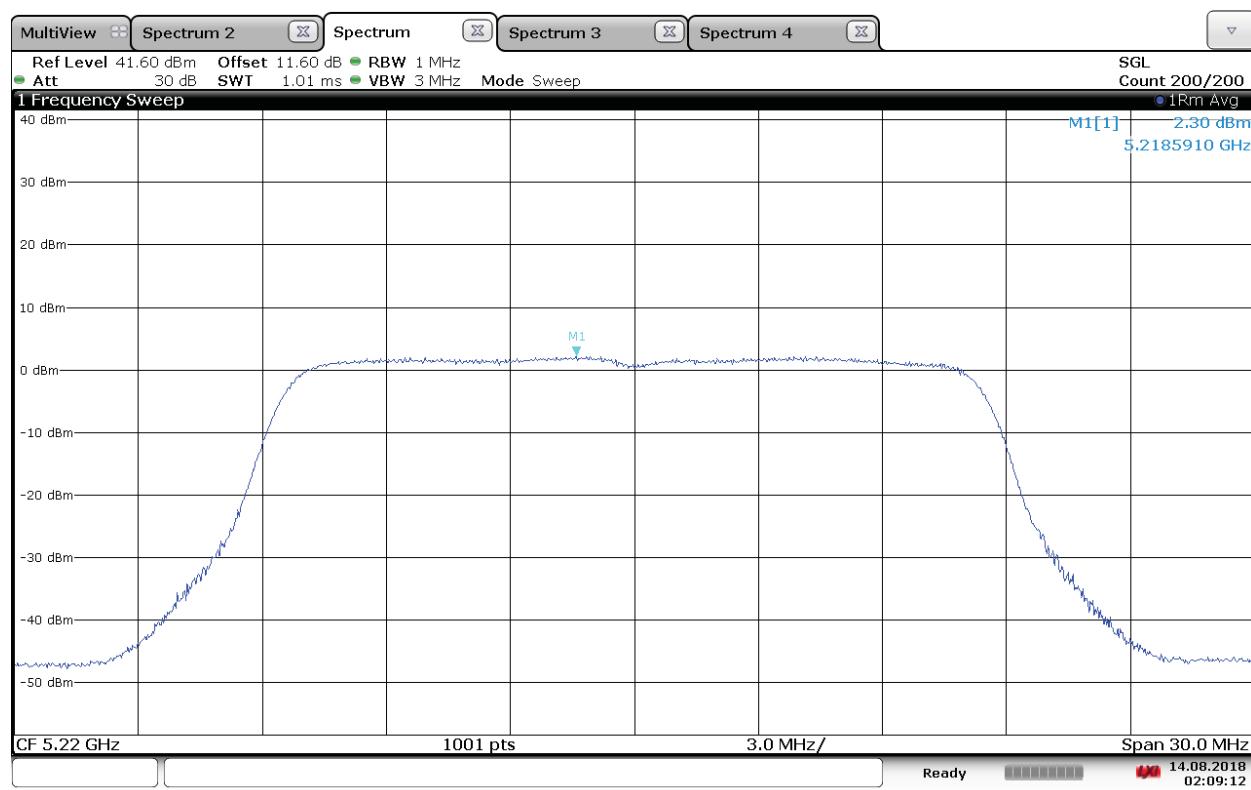
Channel 42 VHT80 Chain 0

### 6.2.4.2 ISED Peak Power Spectral Density

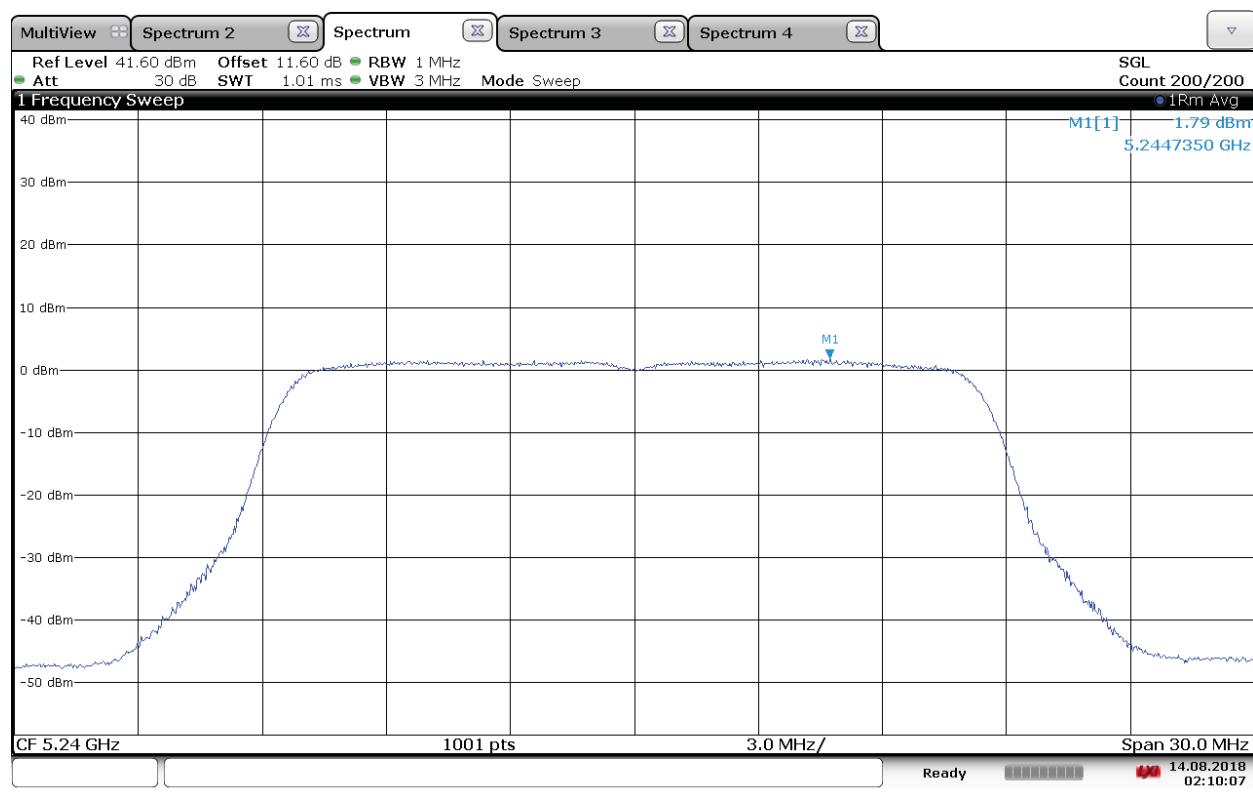
#### 6.2.4.2.1 CDD Mode



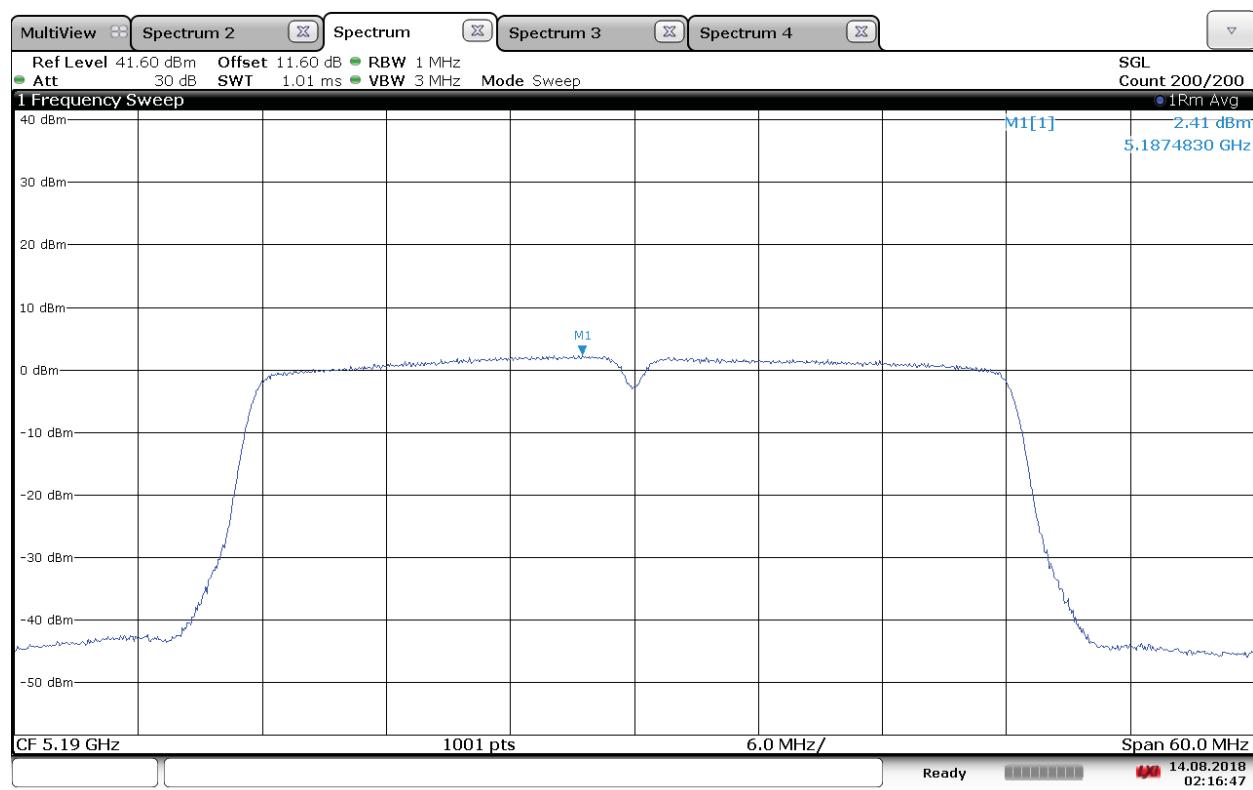
Channel 36 NoHT Chain 0



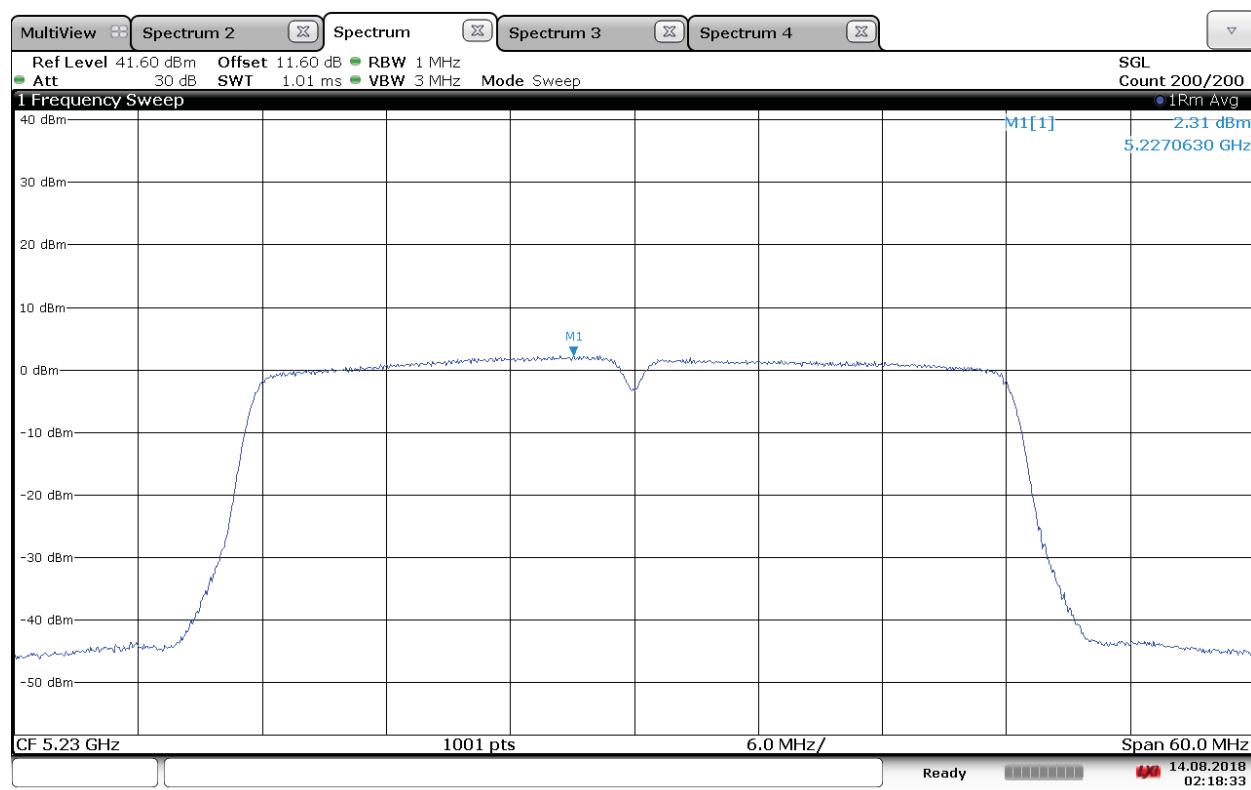
Channel 44 NoHT Chain 0



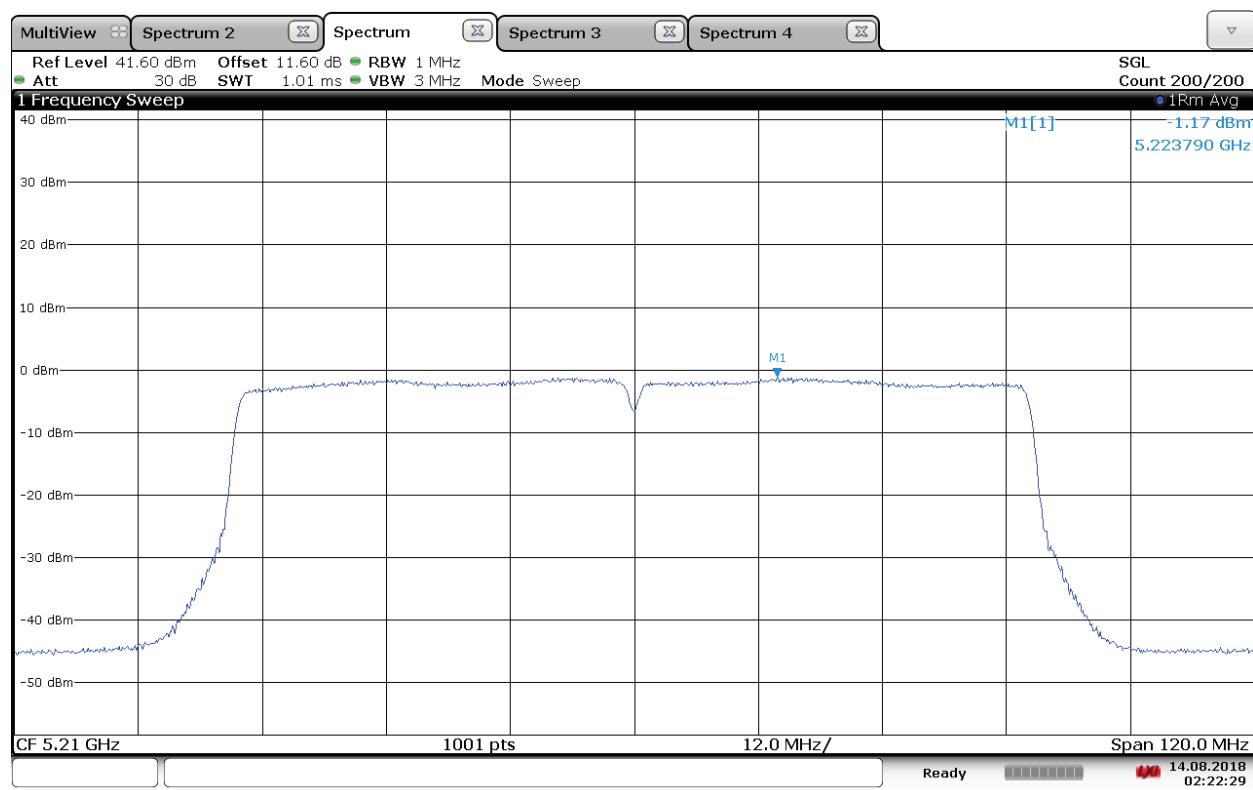
Channel 48 NoHT Chain 0



Channel 38 HT40+ Chain 0

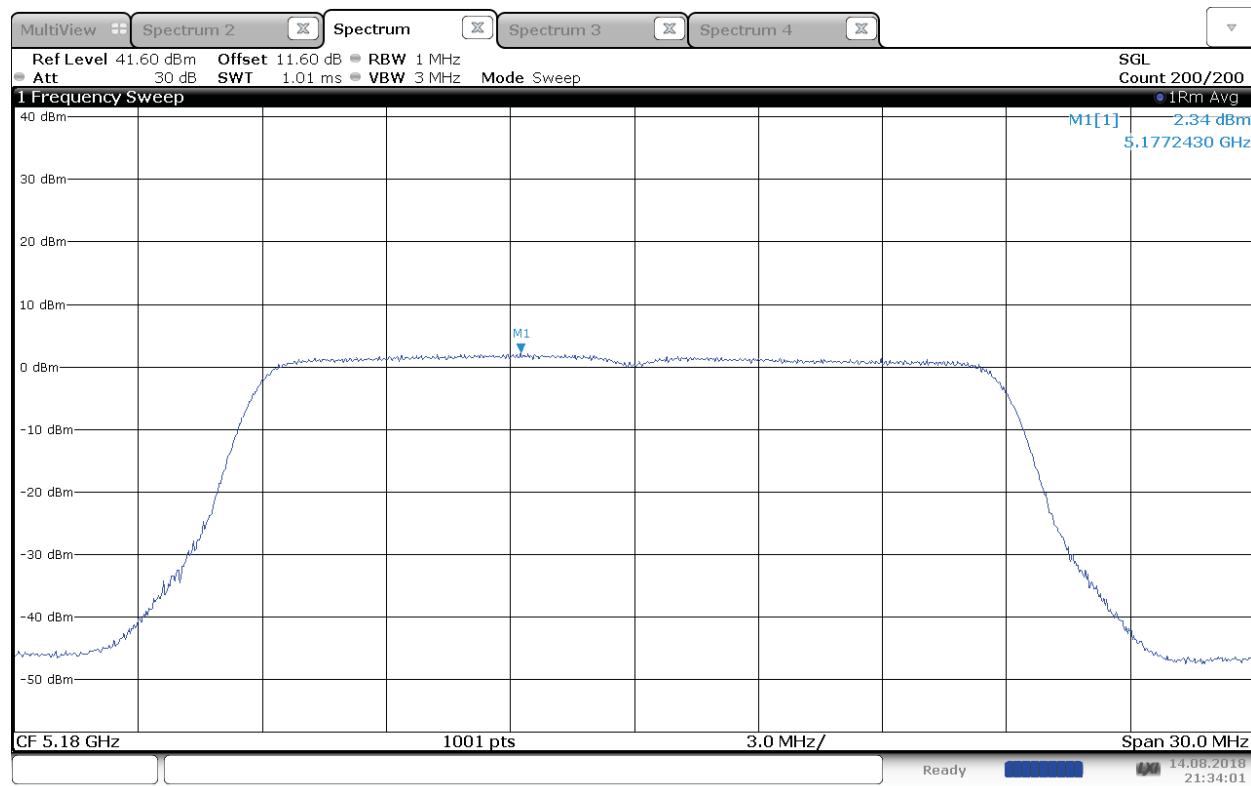


Channel 46 HT40+ Chain 0

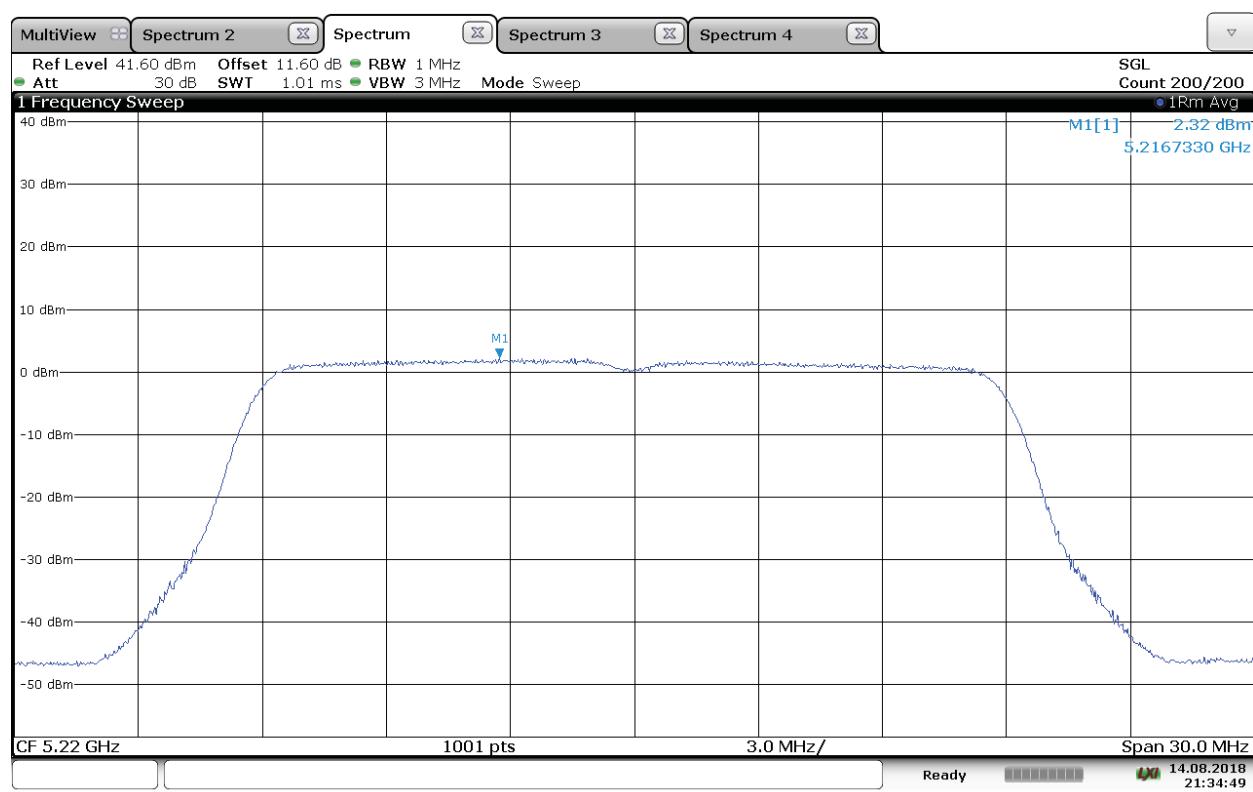


Channel 42 VHT80 Chain 0

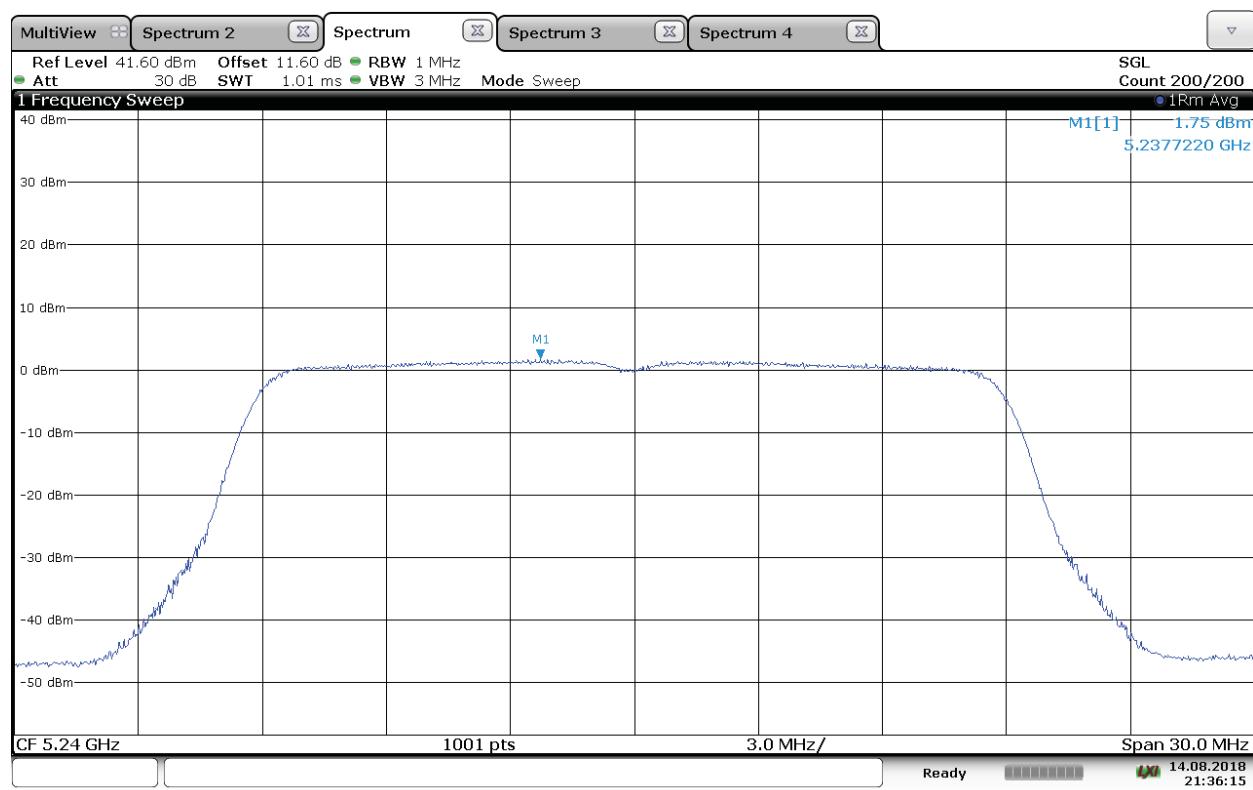
#### 6.2.4.2.2 Beamforming Mode



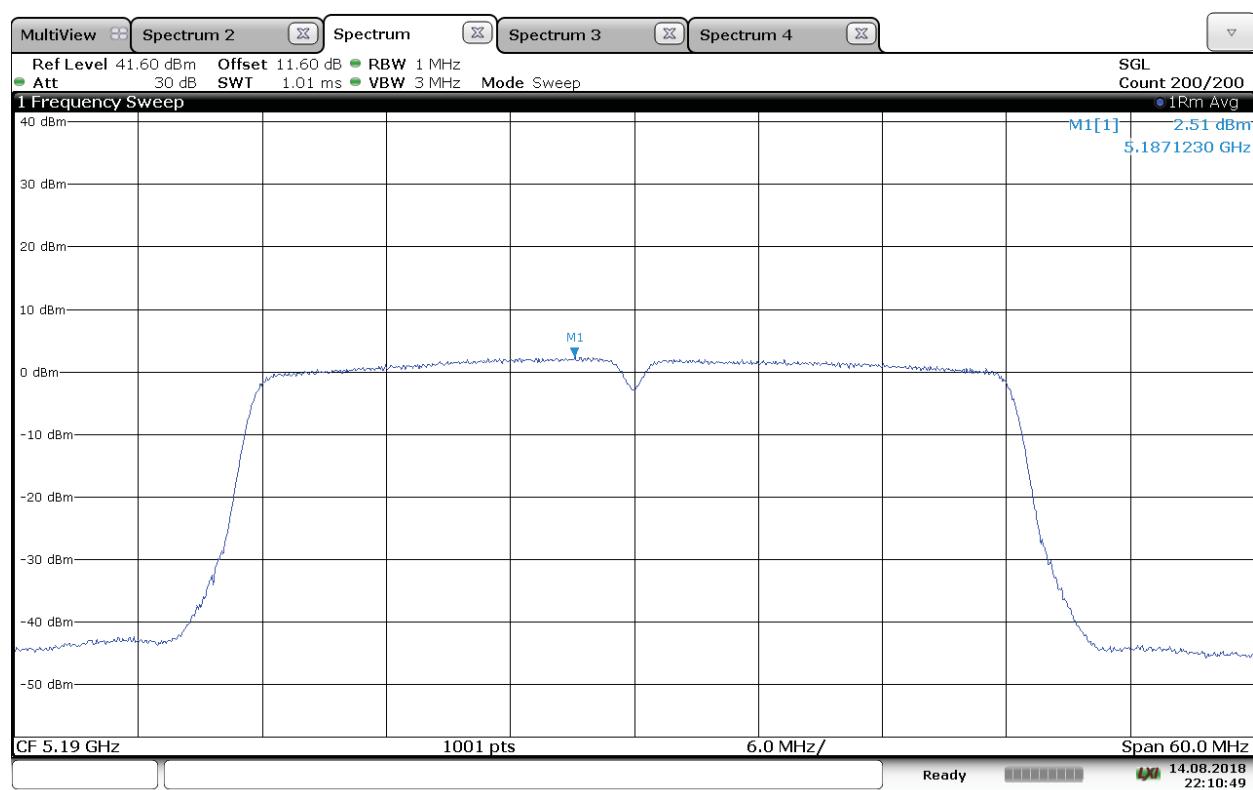
Channel 36 VHT20 Chain 0



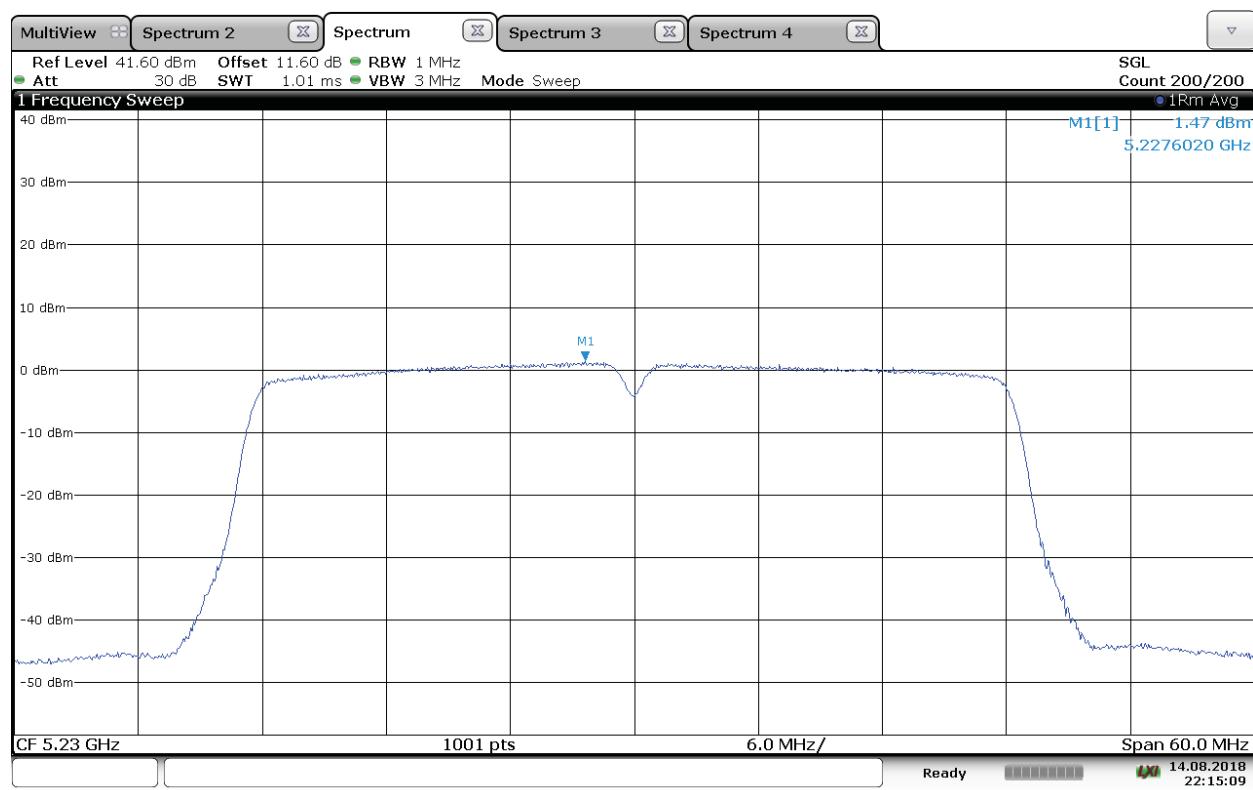
Channel 44 VHT20 Chain 0



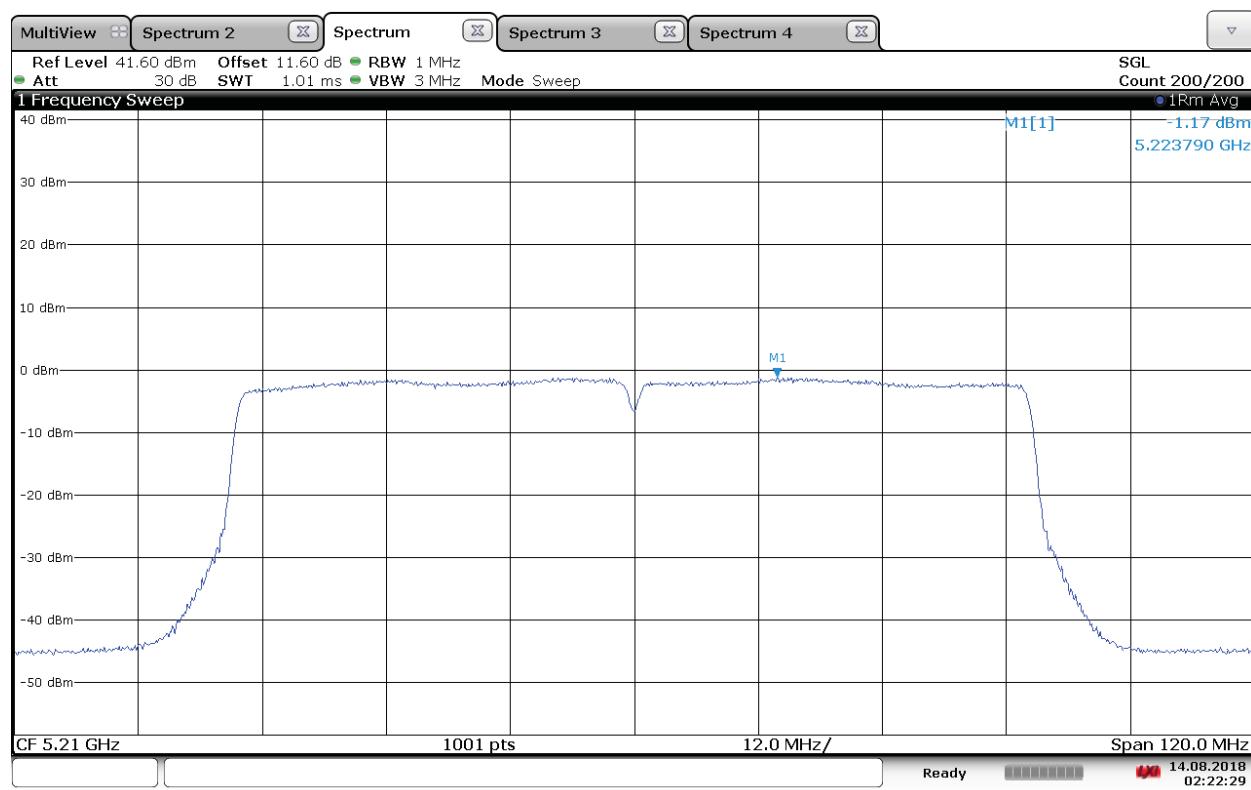
Channel 48 VHT20 Chain 0



Channel 38 VHT40 Chain 0



Channel 46 VHT40 Chain 0



Channel 42 VHT80 Chain 0

### 6.3 Occupied Bandwidth

#### Test Method

The ANSI C63.10-2013 Section 6.9.3 and 12.4.1 Conducted method was used to measure the 99% and the 26 db bandwidth using the OBW measurement function of the spectrum analyzer. The preliminary investigation was performed at different data rate to determine the highest power output for each mode. The system was powered on and port 1 connected to the Spectrum analyzer. A diag program called QRCT was used to set the AP in continuous Tx mode and also to set the channel, channel power and data rate. This test was conducted on 3 channels for each of the throughput modes. The analyzer was configured as follows.

Cable loss and duty cycle correction were entered as an offset

RBW= 1 to 5% of the OBW

VBW= 3 x RBW

Span= Adjusted to ~1.5x26db BW

SWT= auto

Detector = peak

The 99% bandwidth function of the analyzer was adjusted to the settings above and was used to report also the 26 db bandwidth.

<b>Test Conditions:</b> Conducted Measurement (SA), Normal Temperature	<b>Date:</b> 6/27/2018
<b>Antenna Type:</b>	Stamped metal dipole
<b>Duty cycle correction: see sect. 5</b>	Data Rate: 1mbps, 6mbps, MCS0
<b>Ambient Temp.: 23° C</b>	Relative Humidity: 38 %RH

### 6.3.1 99% and 26db Bandwidth results

99% Occupied bandwidth UNII-1						
Mode	Channel 36	Channel 44	Channel 48	Channel 38	Channel 46	Channel 42
nonHT	16.34	16.36	16.36	n/a	n/a	n/a
HT40	n/a	n/a	n/a	36.07	36.87	n/a
VHT20 BF	17.60	17.59	17.59	n/a	n/a	n/a
VHT40 BF	n/a	n/a	n/a	36.96	35.83	n/a
VHT80	n/a	n/a	n/a	n/a	n/a	75.52
VHT80 BF	n/a	n/a	n/a	n/a	n/a	75.51

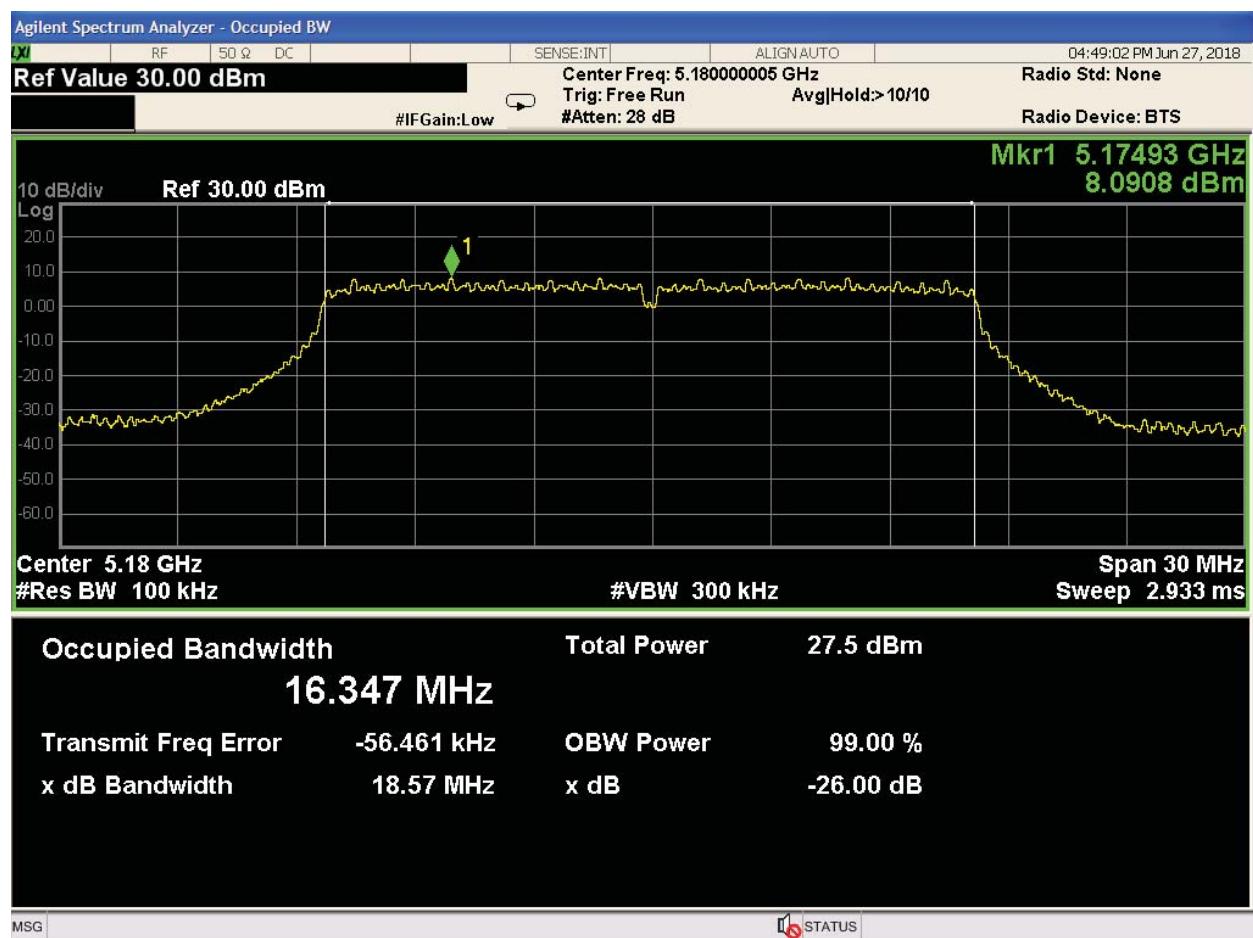
99% Occupied bandwidth UNII-3						
Mode	Channel 149	Channel 157	Channel 165	Channel 151	Channel 159	Channel 155
nonHT	16.43	16.40	16.40	n/a	n/a	n/a
HT40	n/a	n/a	n/a	36.05	36.04	n/a
VHT20 BF	17.62	17.60	17.62	n/a	n/a	n/a
VHT40 BF	n/a	n/a	n/a	36.01	36.01	n/a
VHT80	n/a	n/a	n/a	n/a	n/a	75.59
VHT80BF	n/a	n/a	n/a	n/a	n/a	75.59

26 db Occupied bandwidth UNII-1						
Mode	Channel 36	Channel 44	Channel 48	Channel 38	Channel 46	Channel 42
nonHT	18.57	18.65	18.41	n/a	n/a	n/a
HT40	n/a	n/a	n/a	38.17	37.91	n/a
VHT20 BF	19.89	19.35	19.37	n/a	n/a	n/a
VHT40 BF	n/a	n/a	n/a	37.91	38.13	n/a
VHT80	n/a	n/a	n/a	n/a	n/a	79.13
VHT80 BF	n/a	n/a	n/a	n/a	n/a	79.34

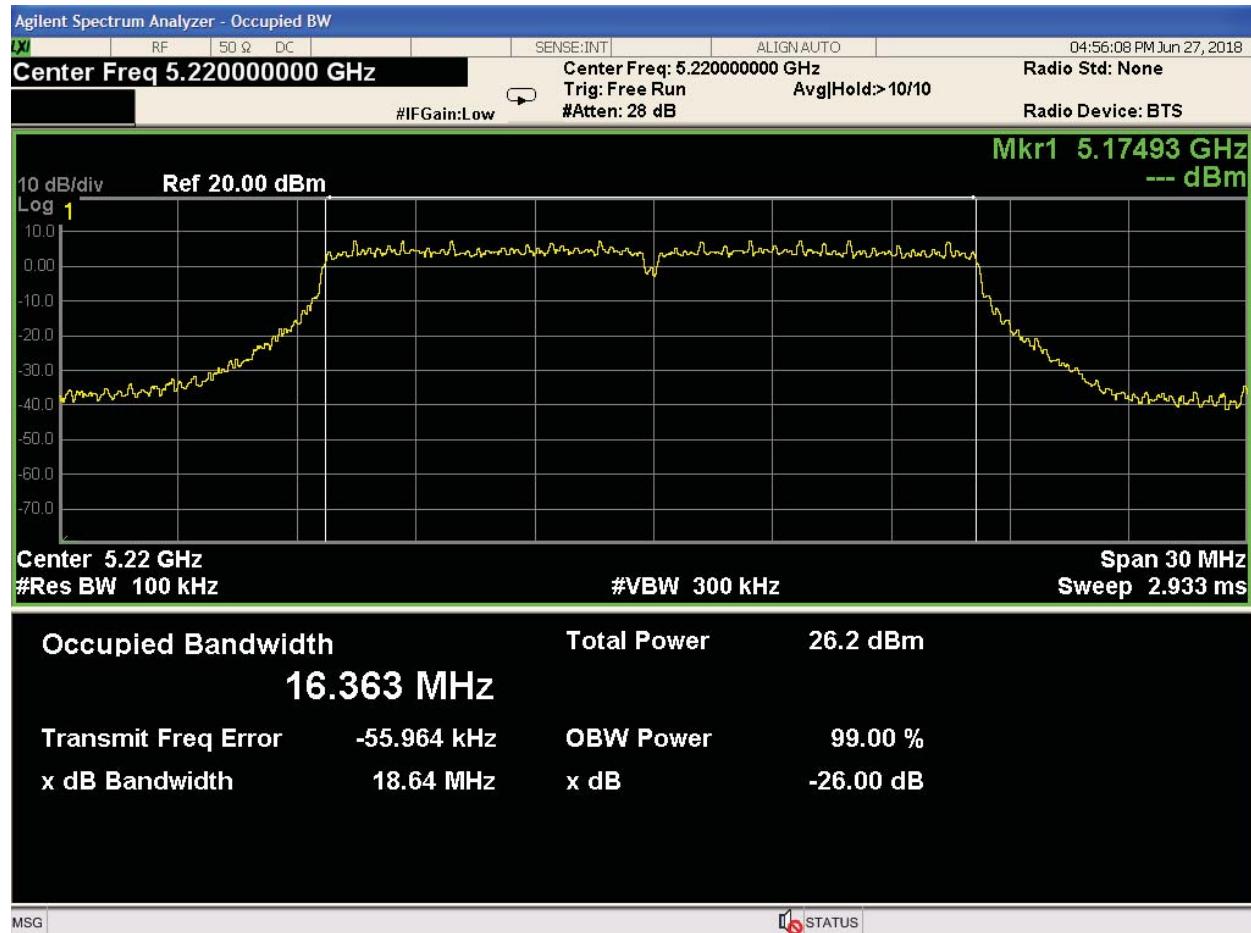
26 db Occupied bandwidth UNII-3						
Mode	Channel 149	Channel 157	Channel 165	Channel 151	Channel 159	Channel 155
nonHT	23.77	20.05	21.93	n/a	n/a	n/a
HT40	n/a	n/a	n/a	38.23	38.13	n/a

VHT20 BF	21.16	19.81	19.80	n/a	n/a	n/a	
VHT40 BF	n/a	n/a	n/a	38.26	37.96	n/a	
VHT80	n/a	n/a	n/a	n/a	n/a	78.75	
VHT80BF	n/a	n/a	n/a	n/a	n/a	75.59	

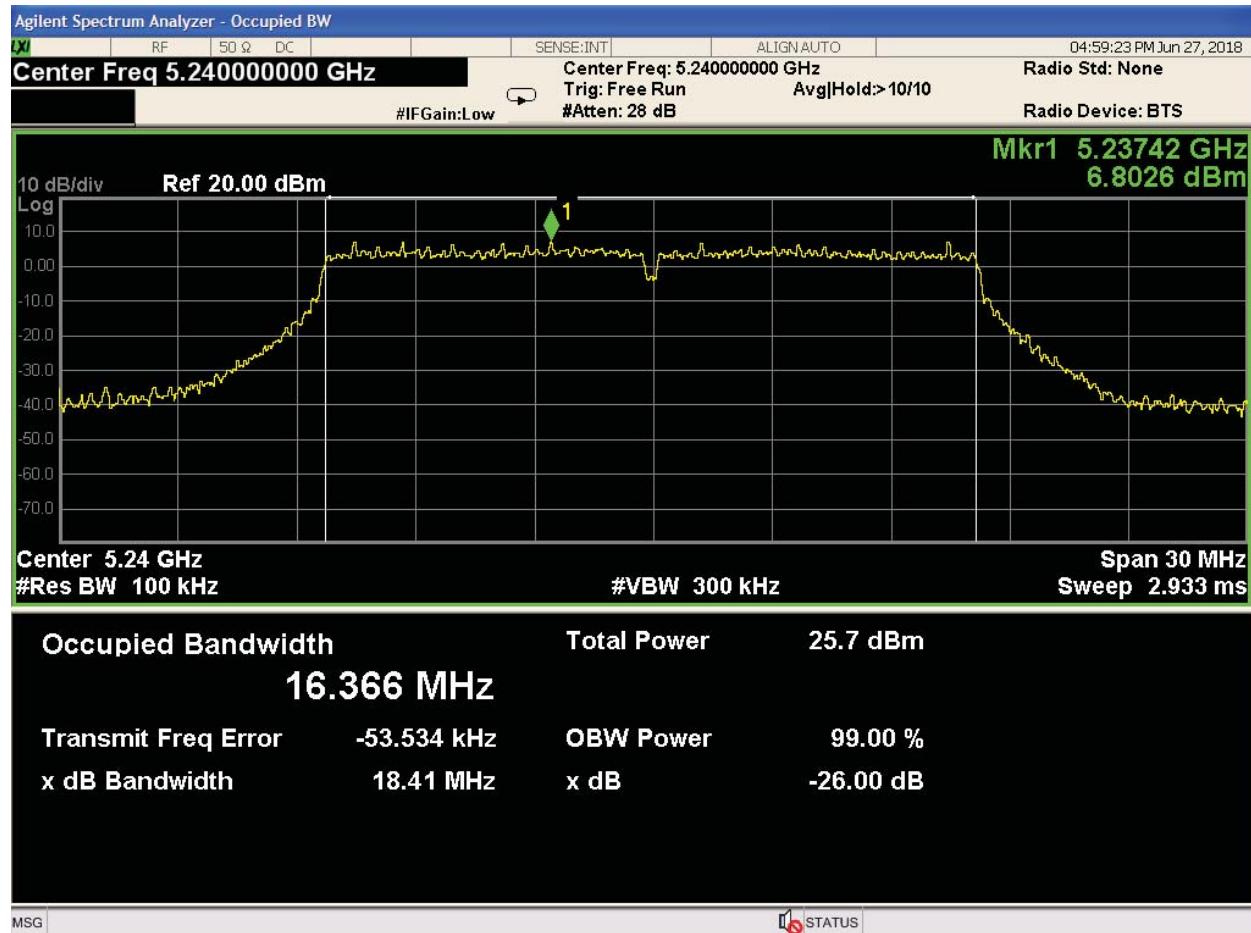
### 6.3.2 Occupied Bandwidth UNII-1



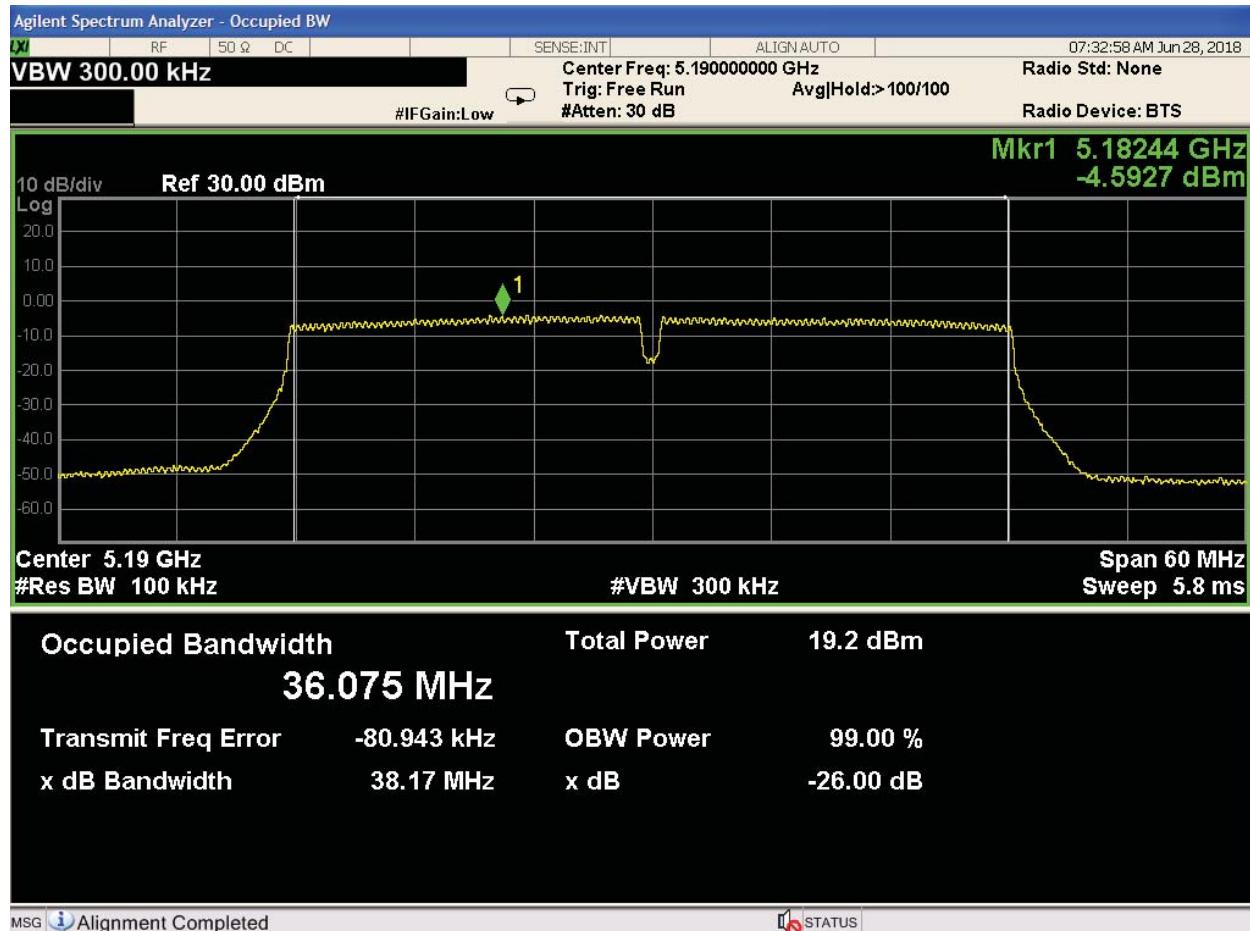
Bandwidth channel 36 nonHT



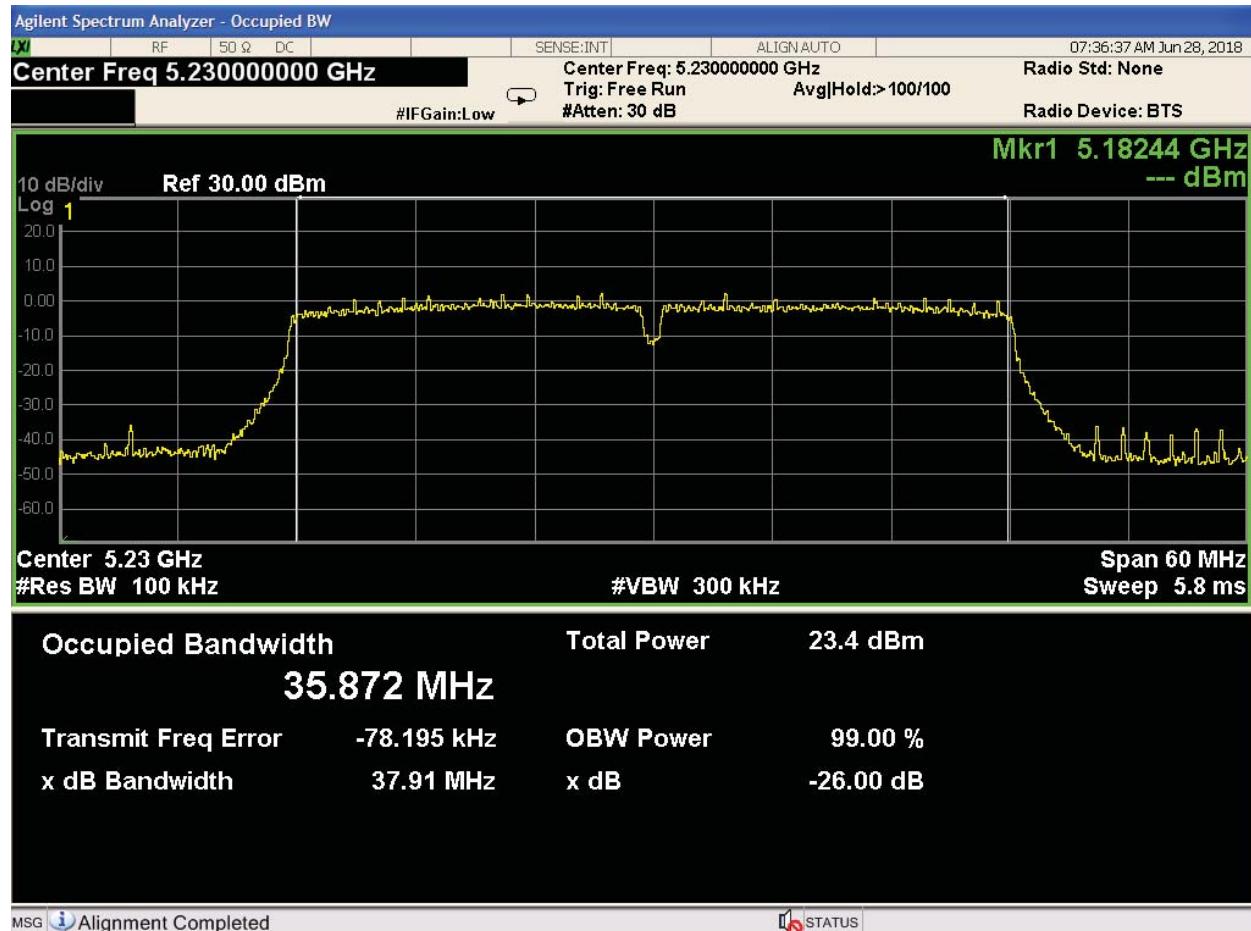
Bandwidth channel 44 nonHT



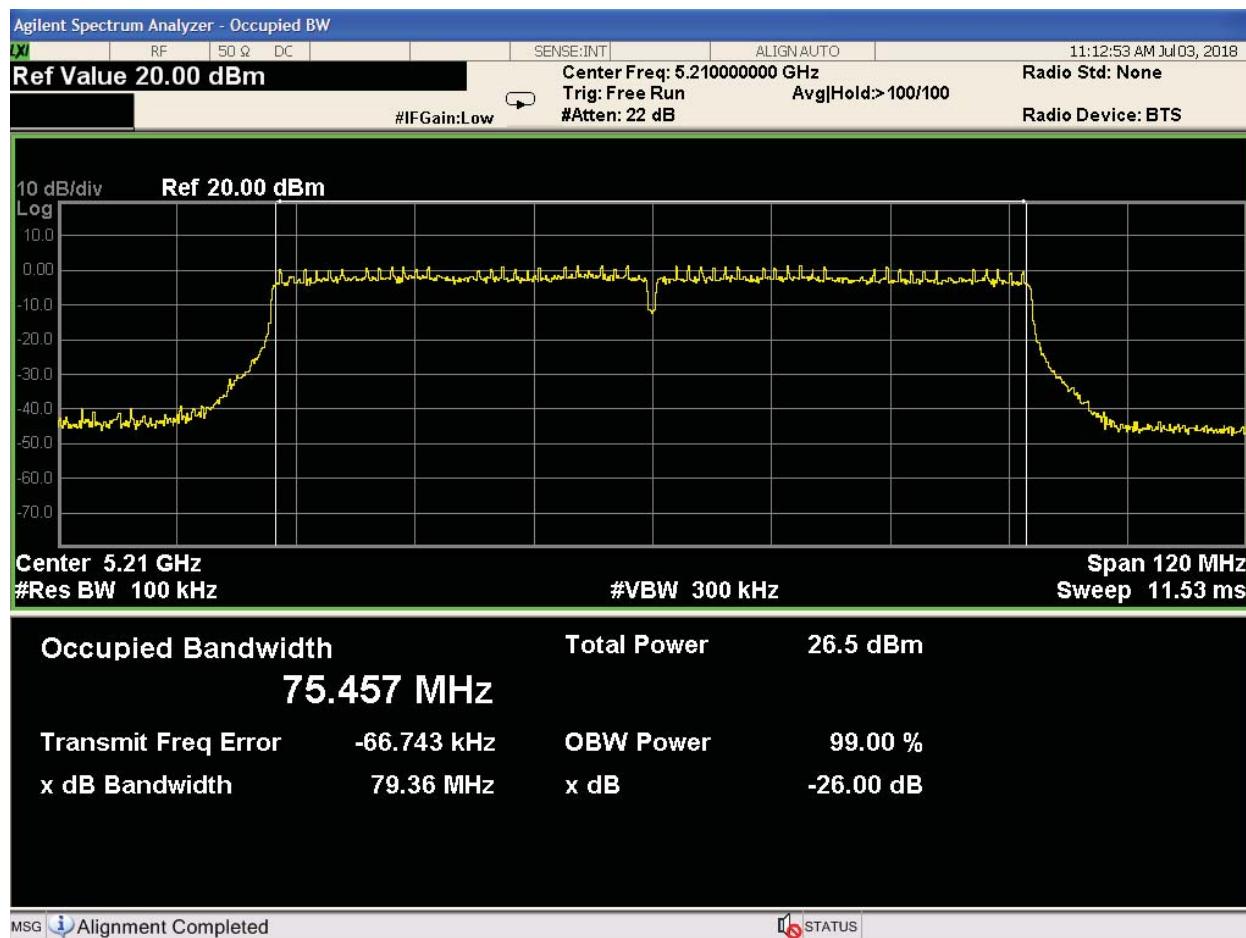
Bandwidth channel 48 nonHT



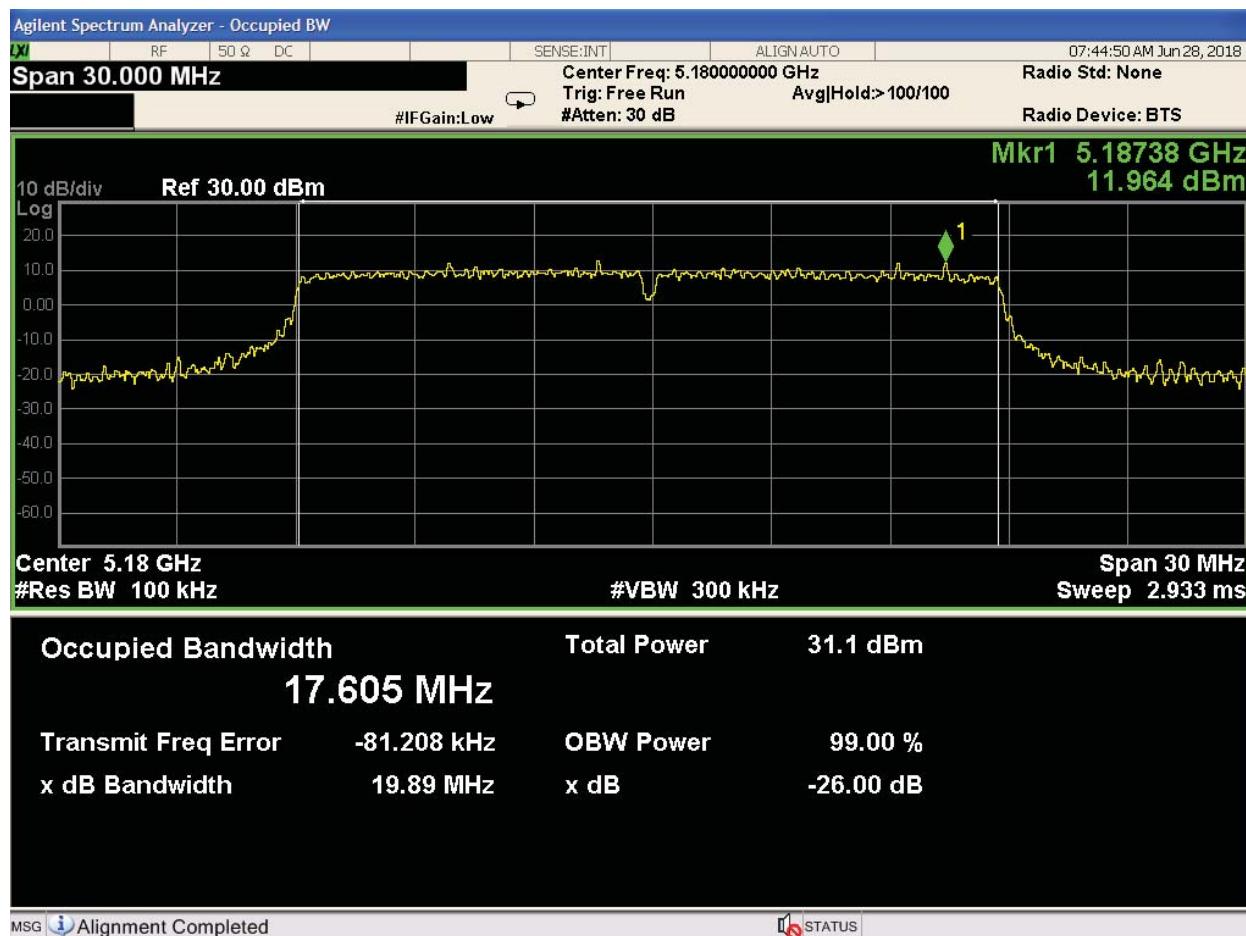
Bandwidth channel 38 HT40



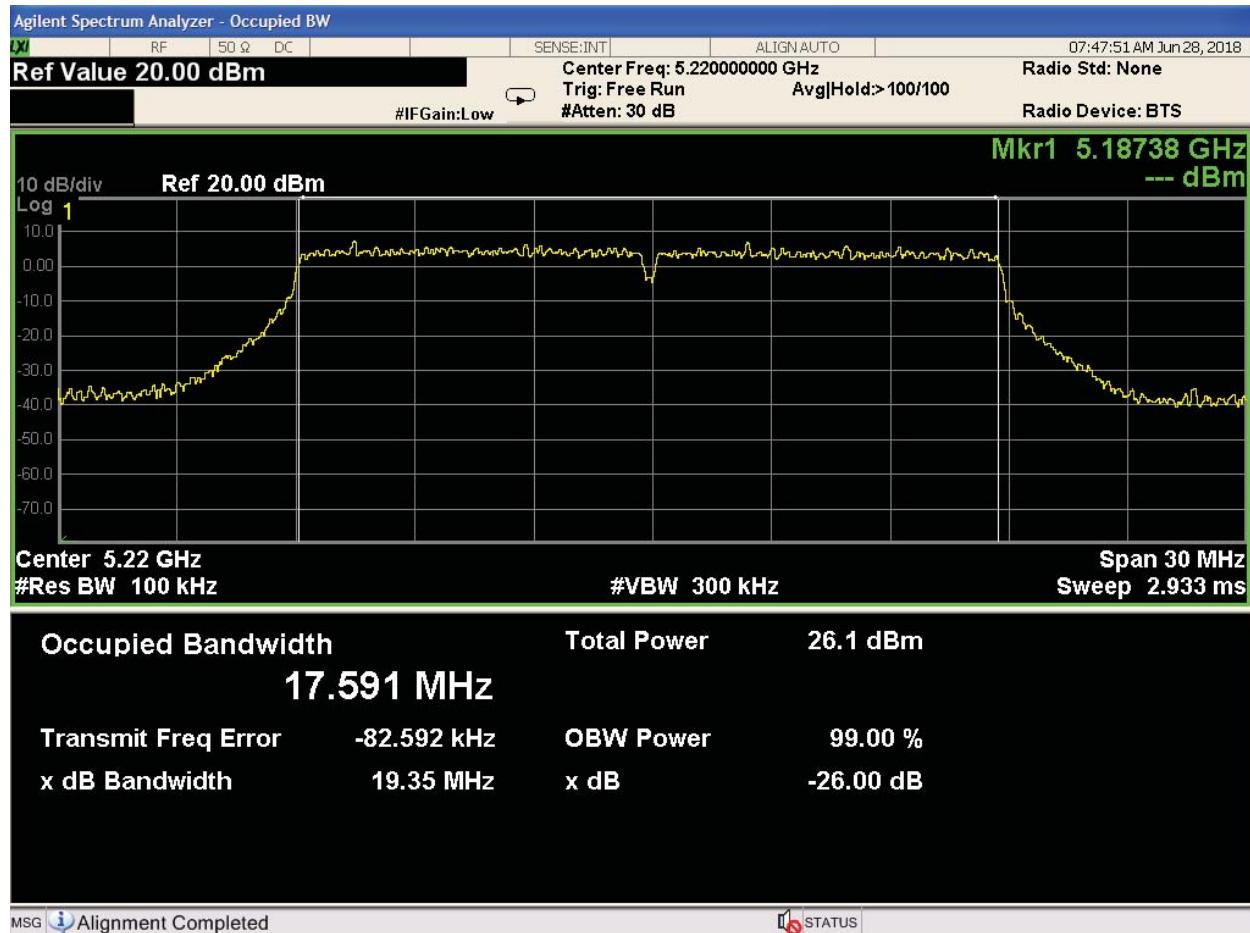
Bandwidth channel 46 HT40



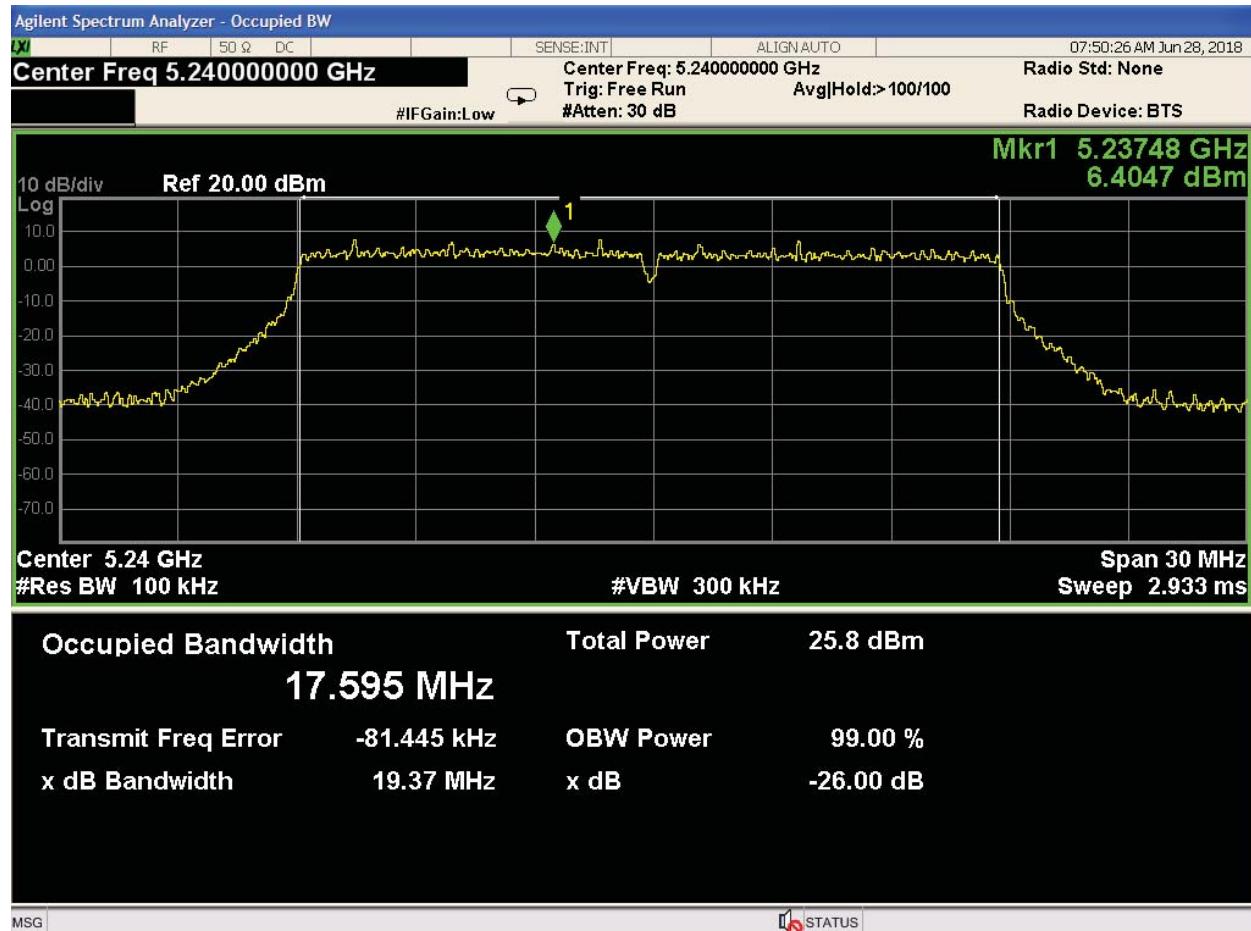
Bandwidth channel 42 VHT80



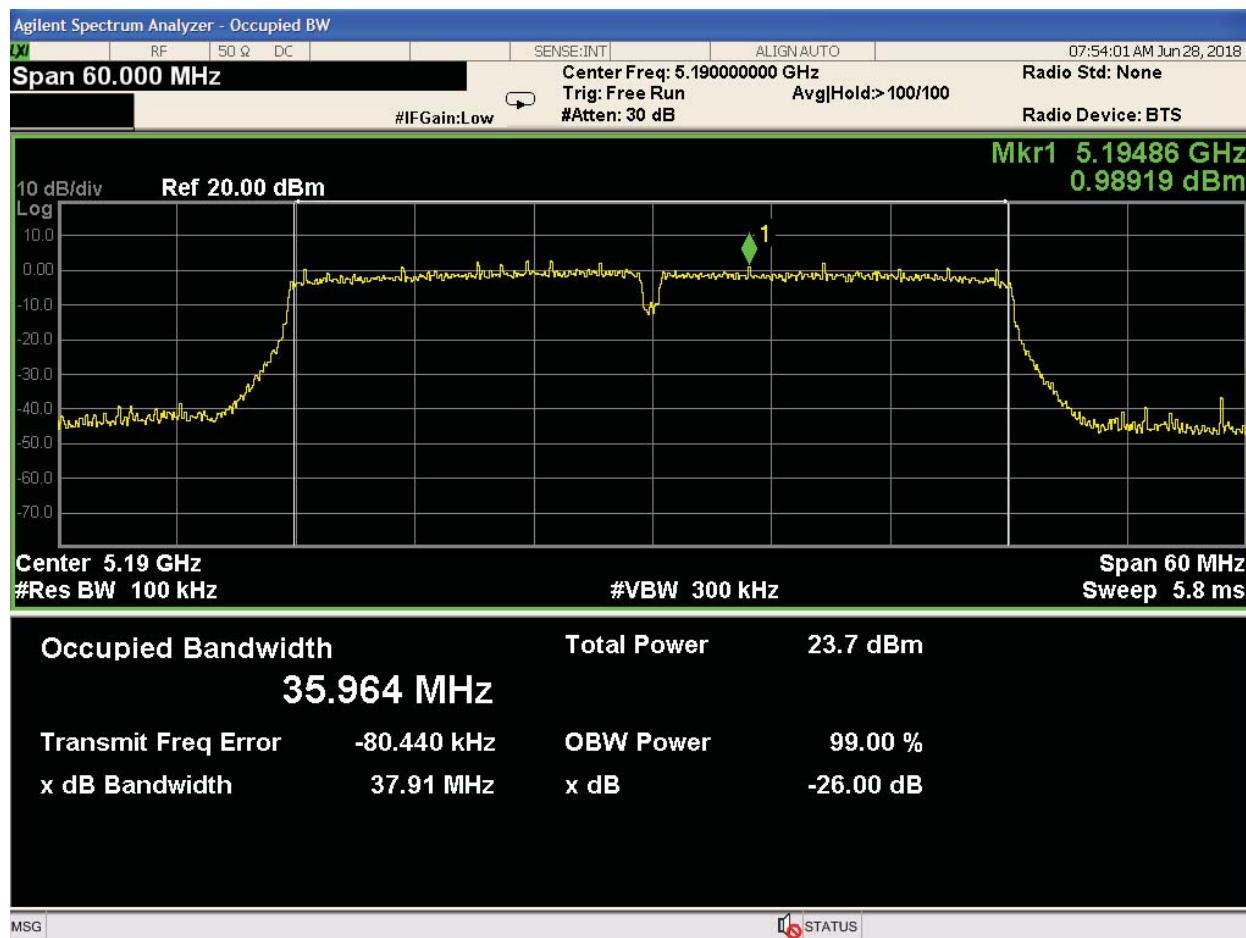
Bandwidth channel 36 VHT20



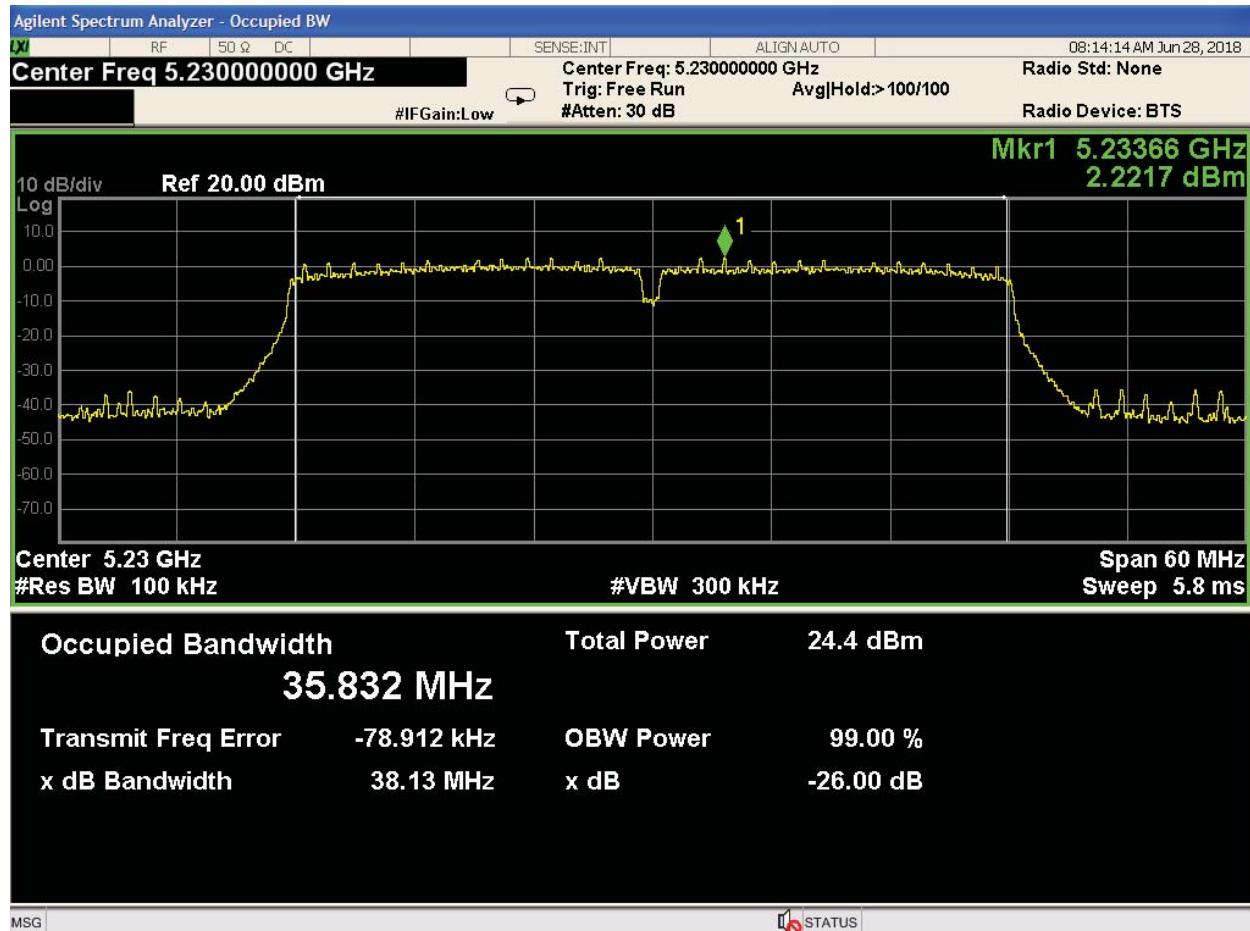
Bandwidth channel 44 VHT20



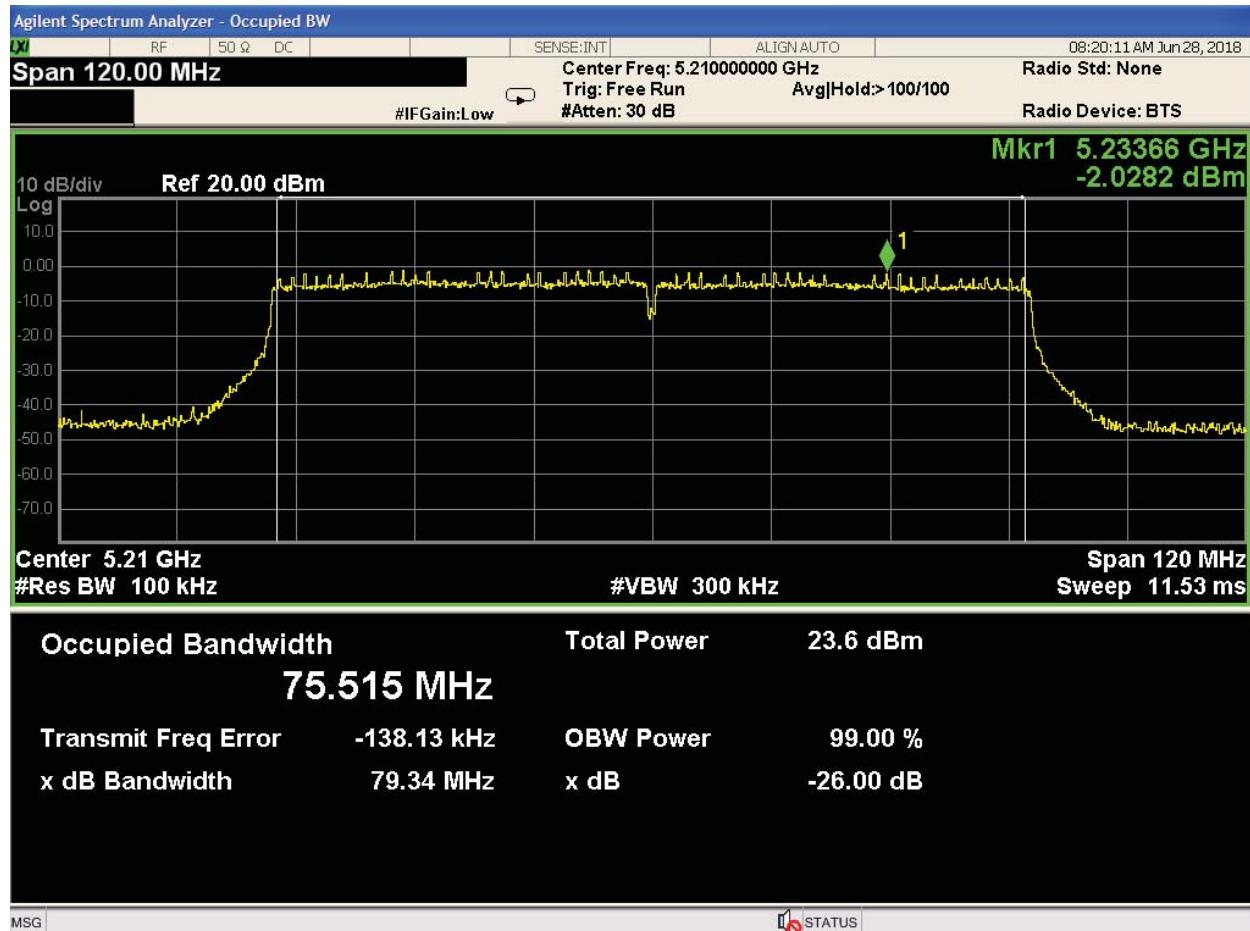
Bandwidth channel 48 VHT20



Bandwidth channel 38 VHT40

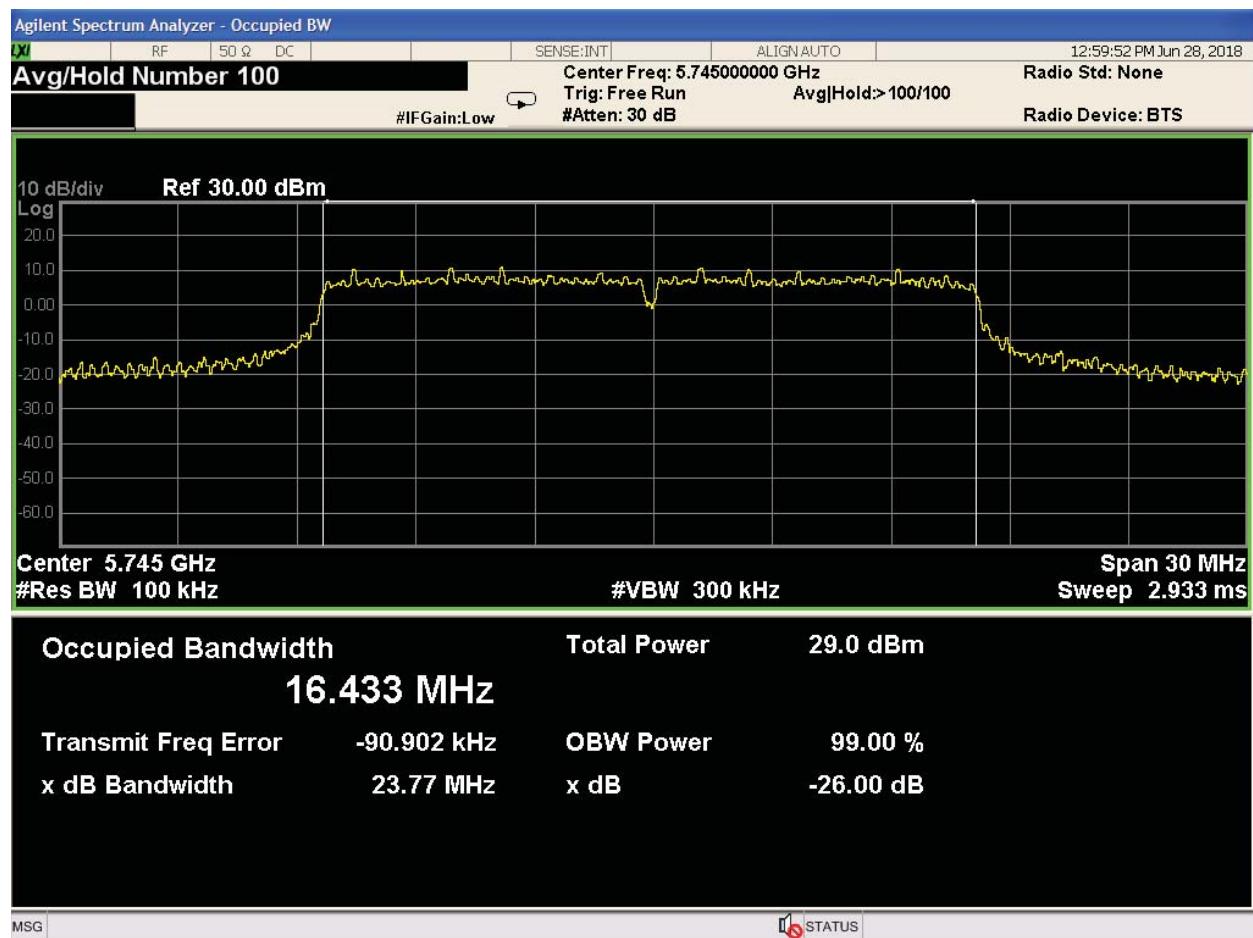


Bandwidth channel 46 VHT40

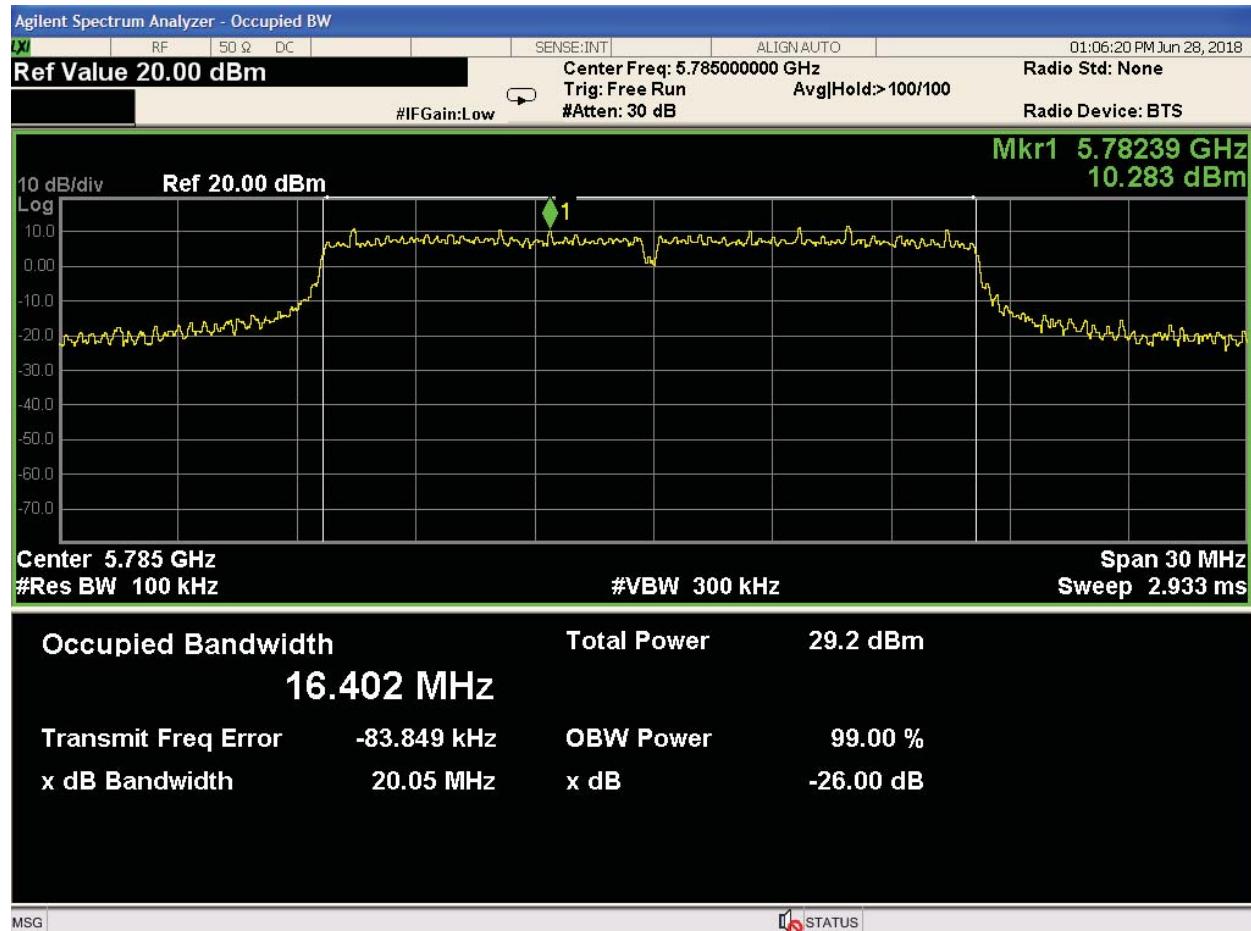


Bandwidth channel 42 VHT80 w/BF

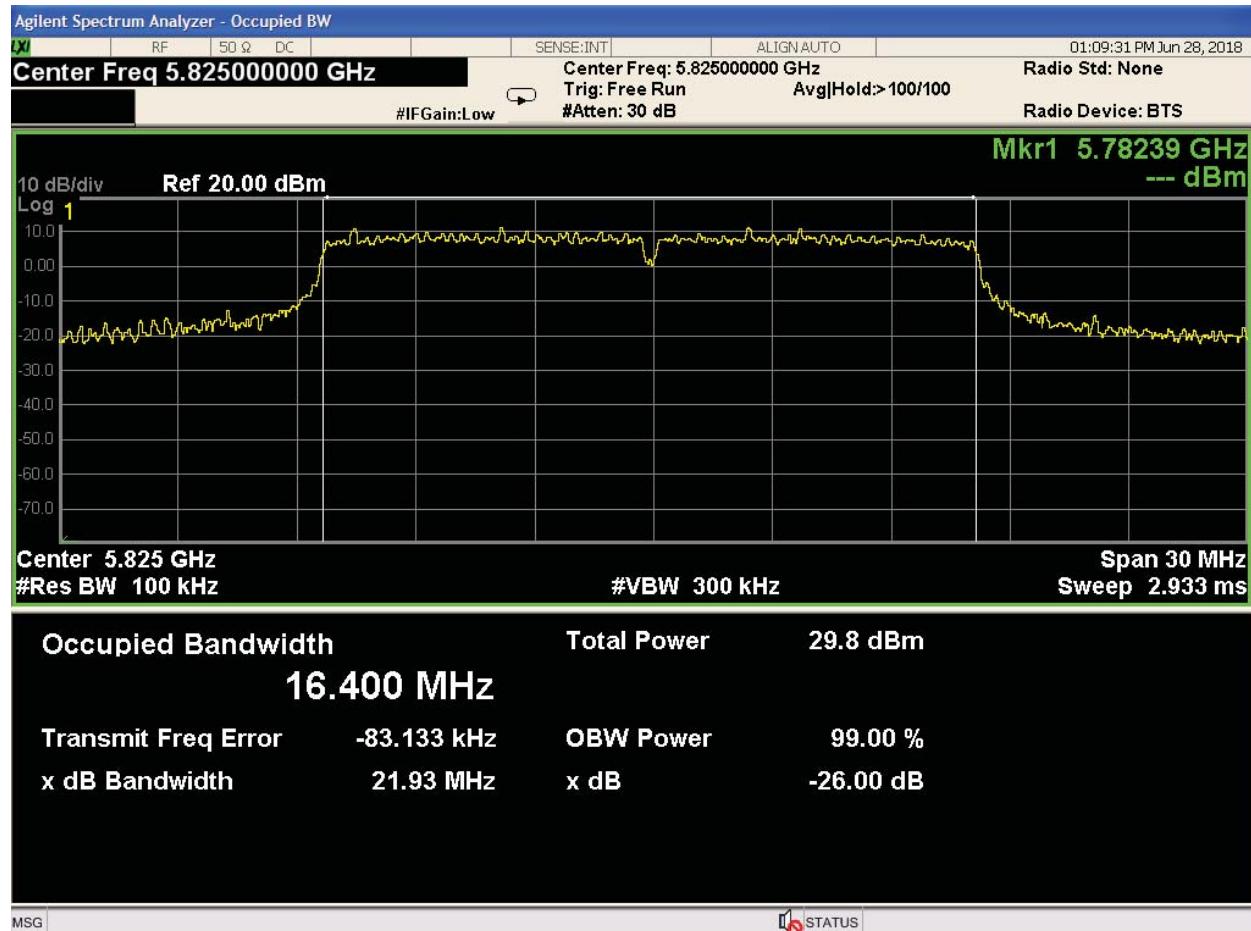
Occupied Bandwidth UNII-3



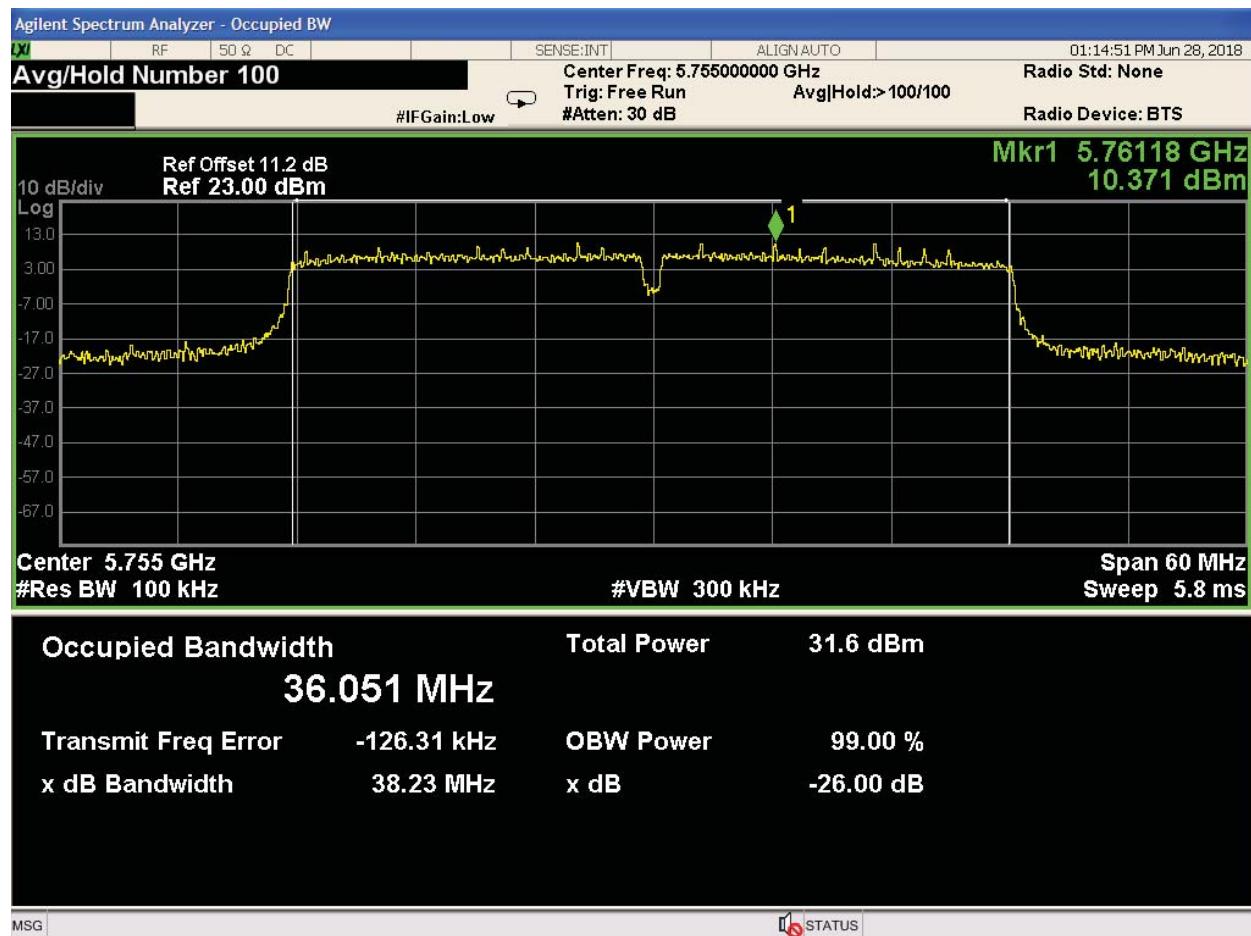
Bandwidth channel 149 nonHT



Bandwidth channel 157 nonHT



Bandwidth channel 165 nonHT



Bandwidth channel 151 HT40