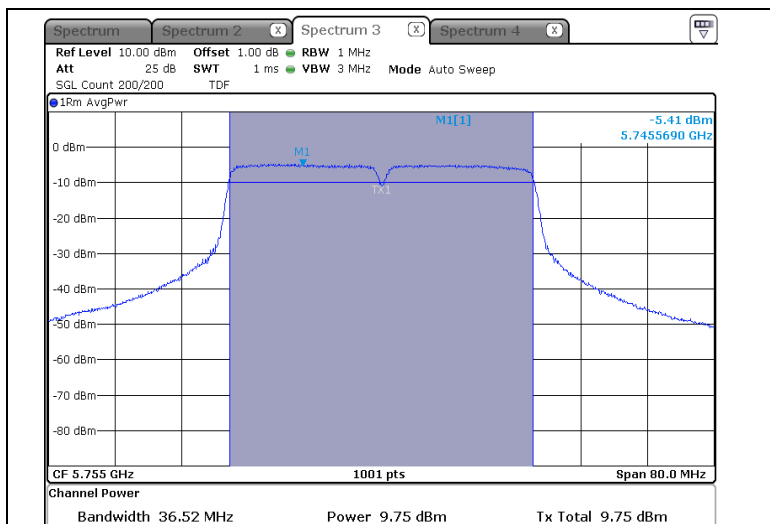
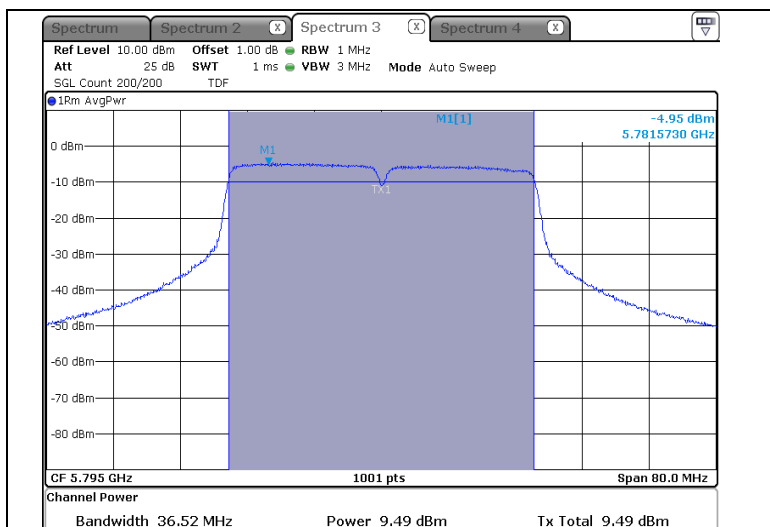


- 802.11ac VHT40

Lowest Channel (5 755 MHz)

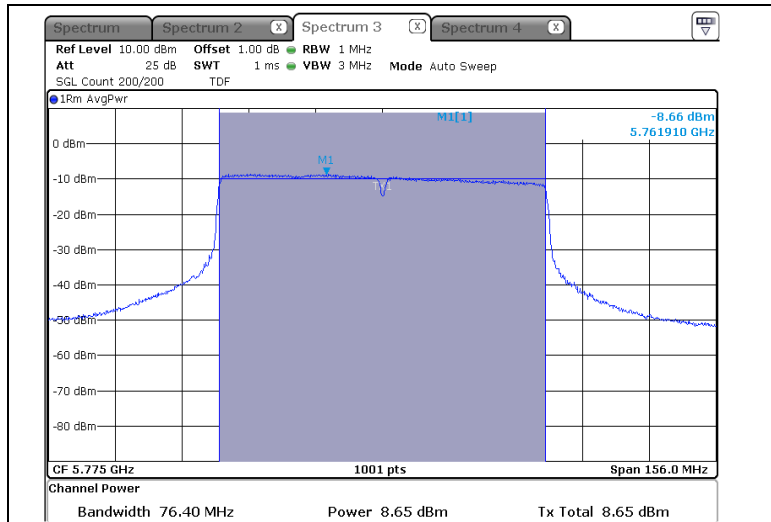


High Channel (5 795 MHz)



- 802.11ac VHT80

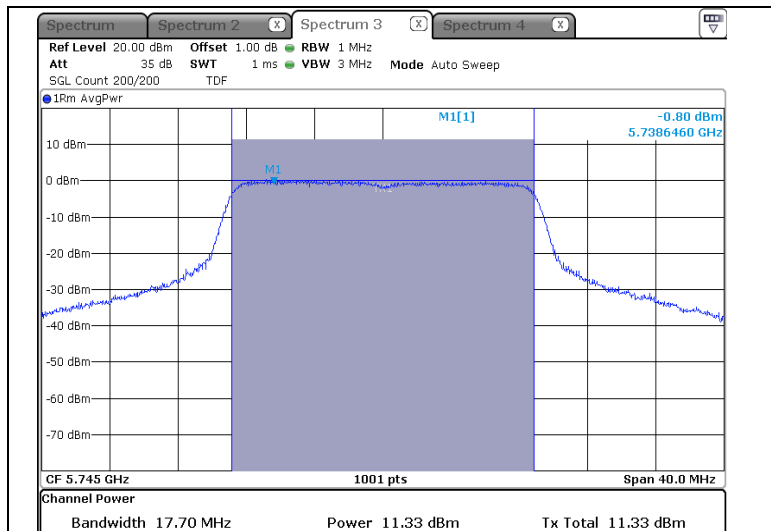
Lowest Channel (5 775 MHz)



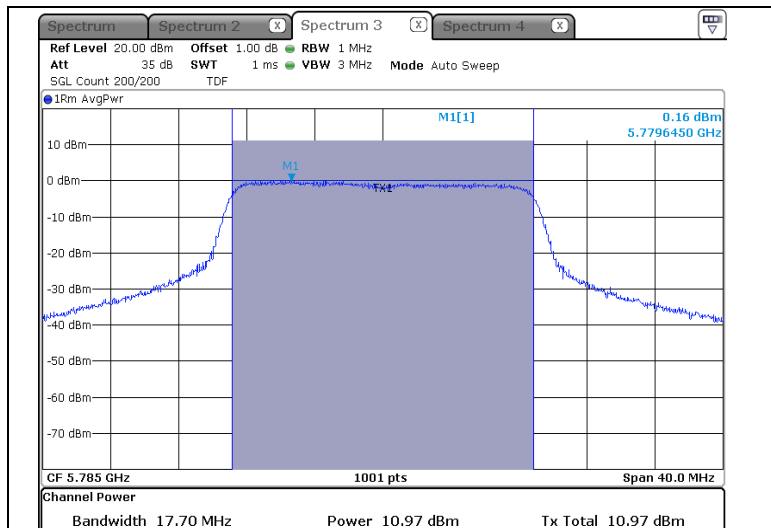
- MIMO 2Tx (ANT 2)

-802.11n HT20

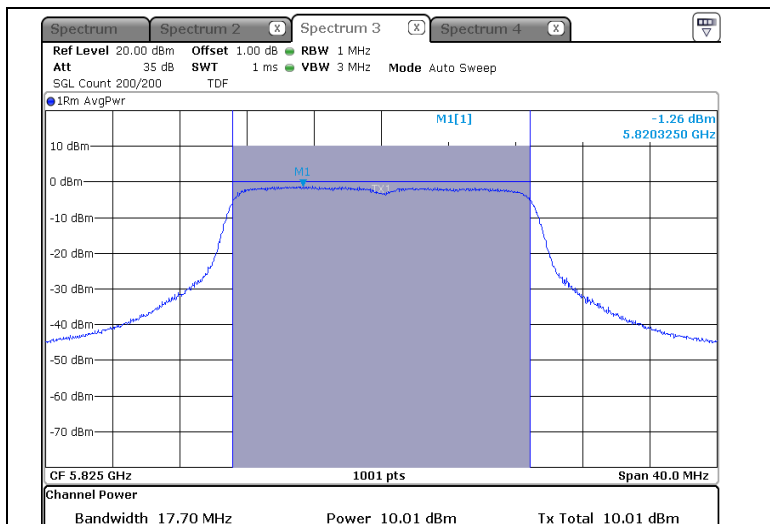
Lowest Channel (5 745 MHz)



Middle Channel (5 785 MHz)

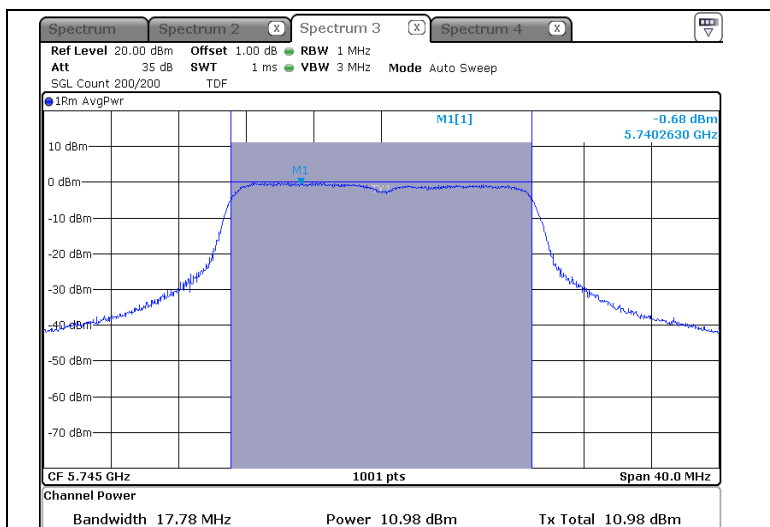


Highest Channel (5 825 MHz)



- 802.11ac VTH20

Lowest Channel (5 745 MHz)



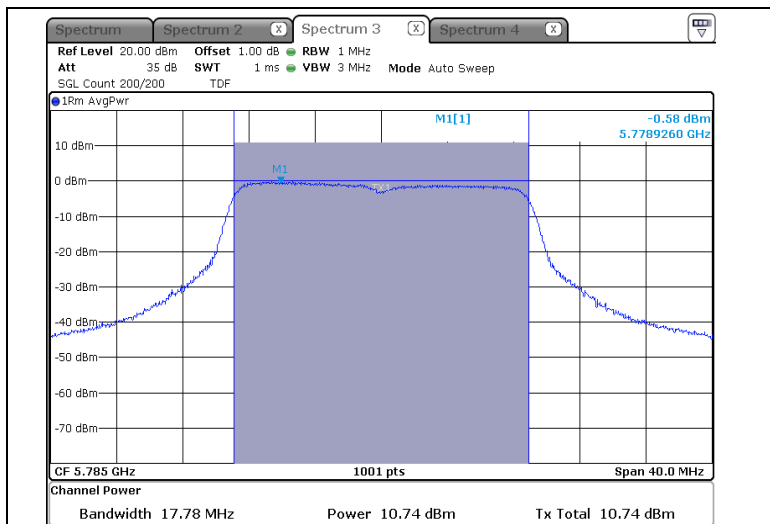
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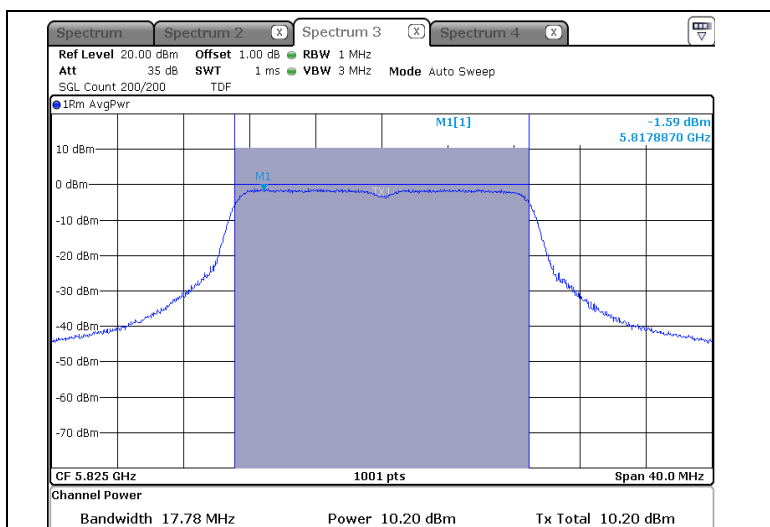
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Middle Channel (5 785 MHz)

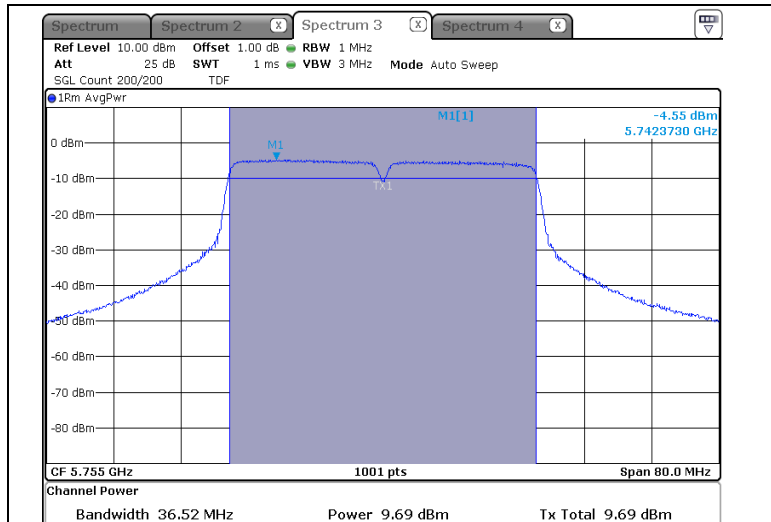


Highest Channel (5 825 MHz)

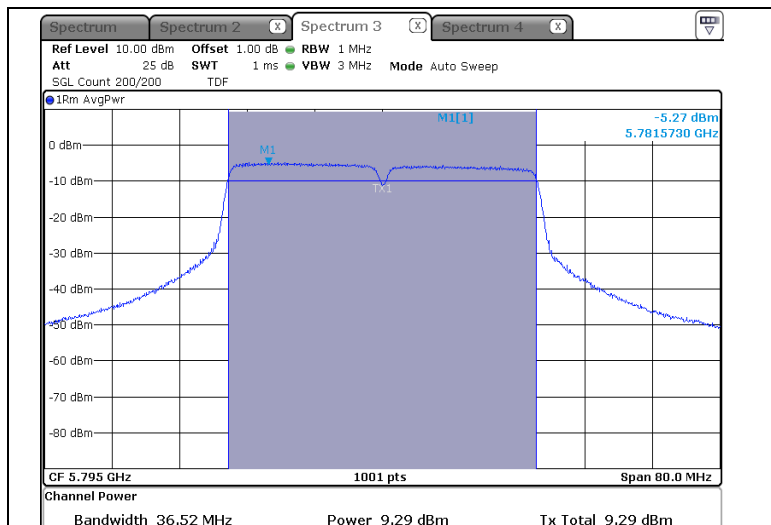


- 802.11n HT40

Lowest Channel (5 755 MHz)

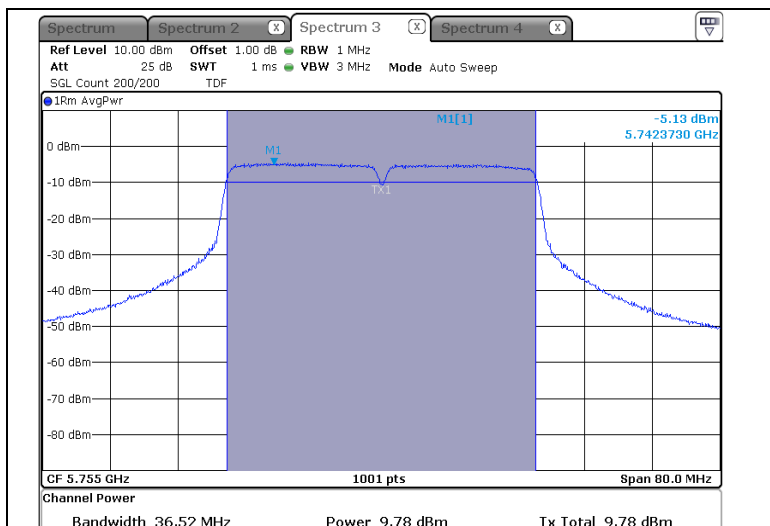


High Channel (5 795 MHz)

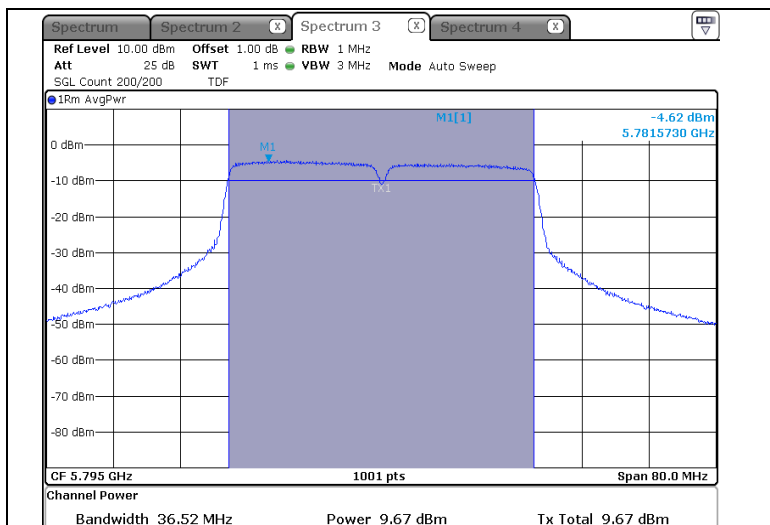


- 802.11ac VHT40

Lowest Channel (5 755 MHz)



High Channel (5 795 MHz)



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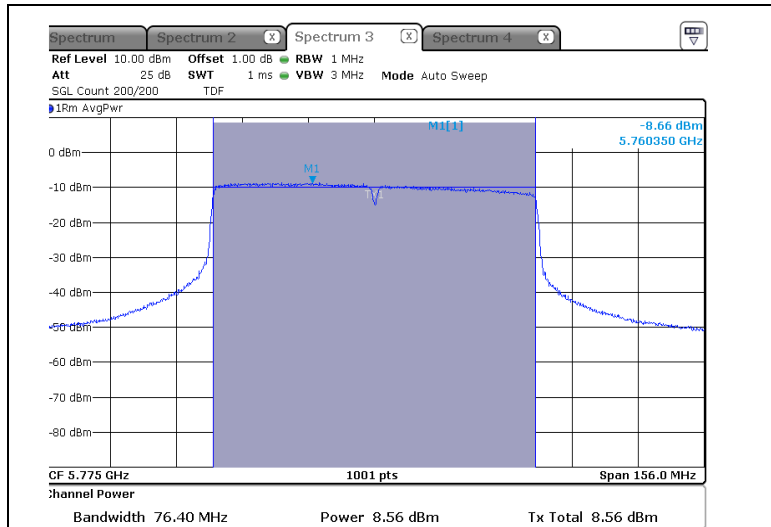
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- 802.11ac VHT80

Lowest Channel (5 775 MHz)



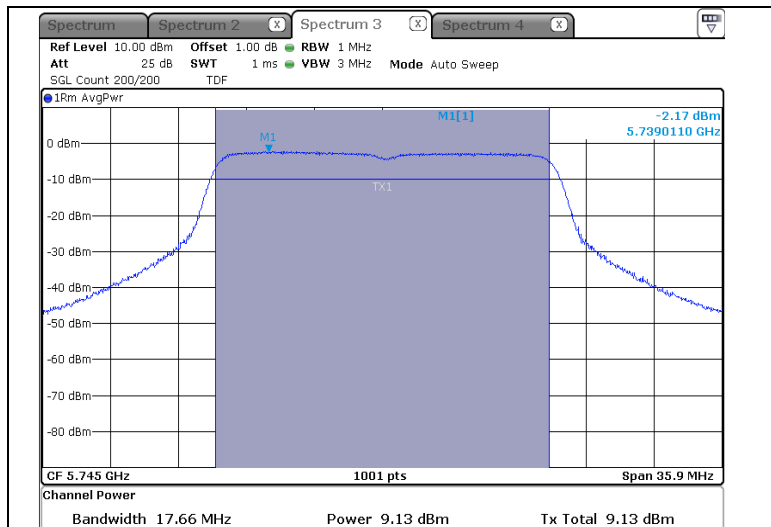
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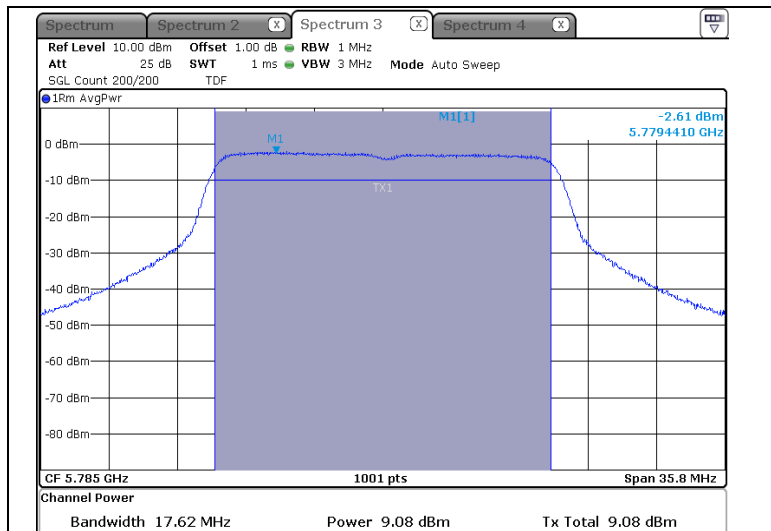
- MIMO 3Tx (ANT 1)

-802.11n HT20

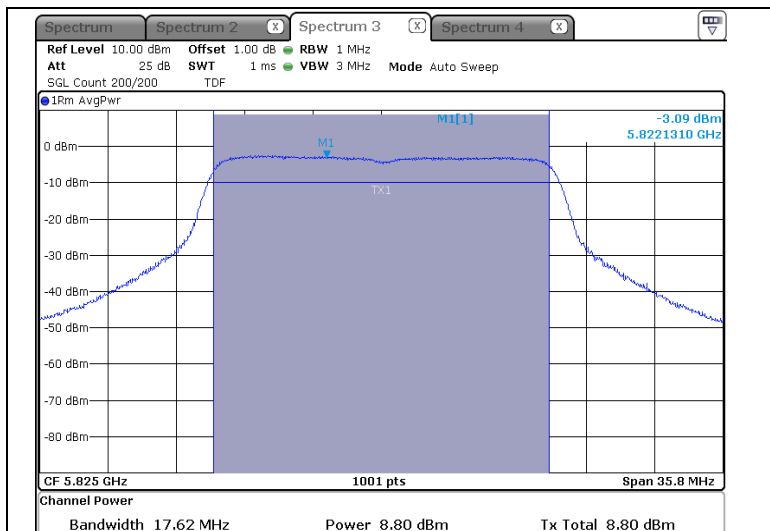
Lowest Channel (5 745 MHz)



Middle Channel (5 785 MHz)

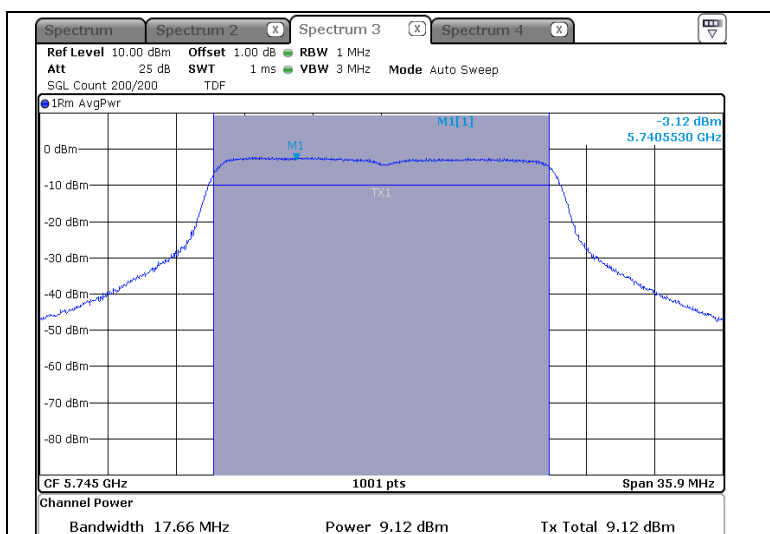


Highest Channel (5 825 MHz)

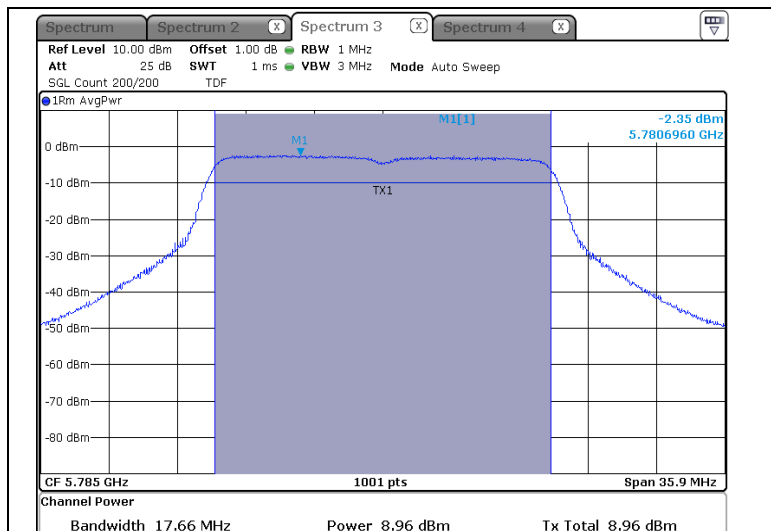


-802.11ac VHT20

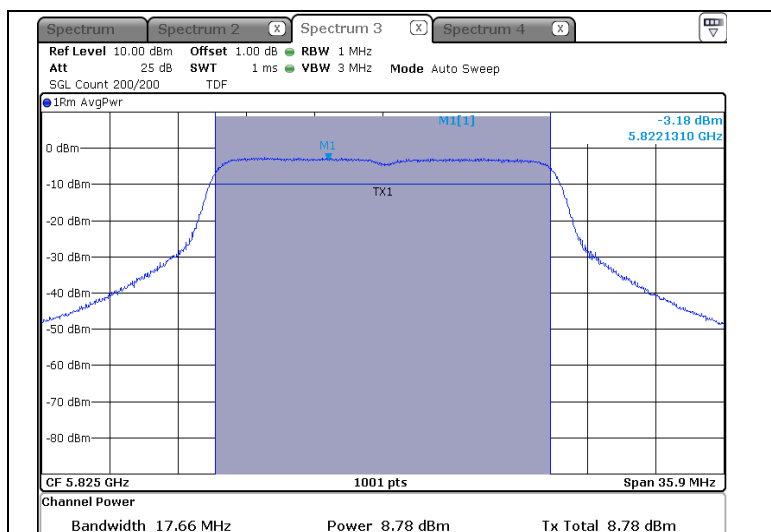
Lowest Channel (5 745 MHz)



Middle Channel (5 785 MHz)

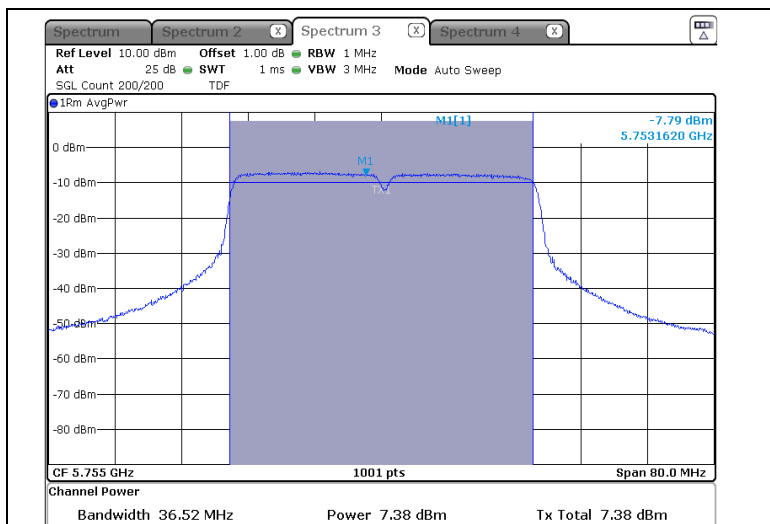


Middle Channel (5 785 MHz)

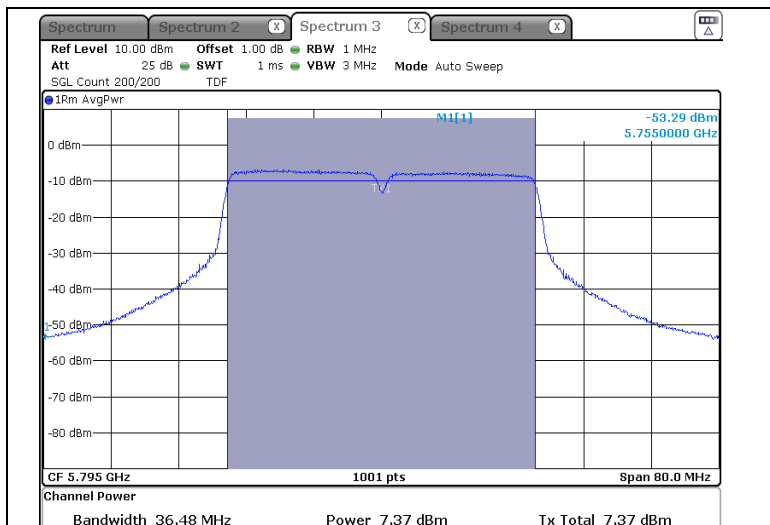


- 802.11n HT40

Lowest Channel (5 755 MHz)

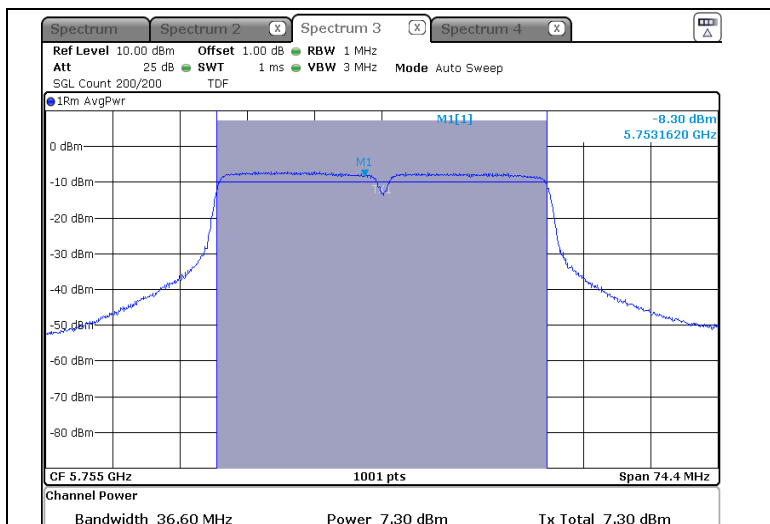


High Channel (5 795 MHz)

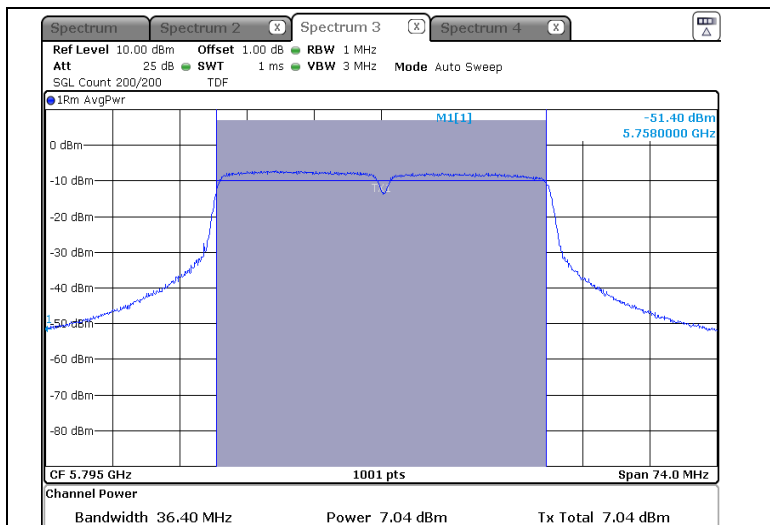


- 802.11ac VHT40

Lowest Channel (5 755 MHz)



High Channel (5 795 MHz)



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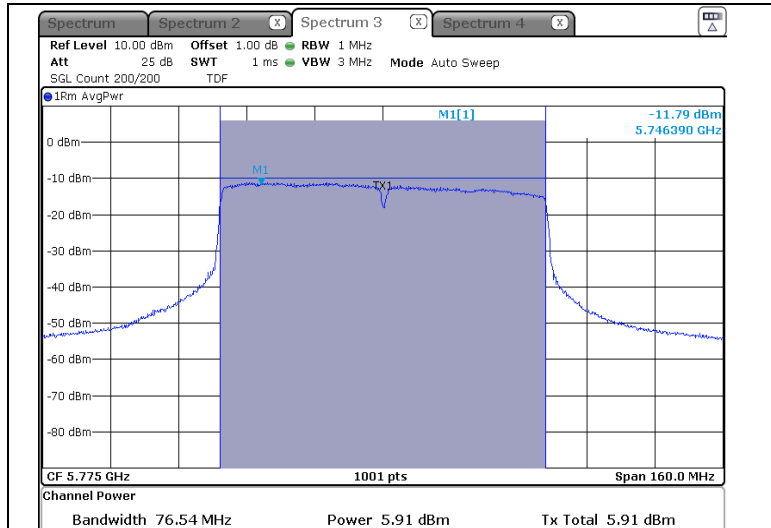
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- 802.11ac VHT80

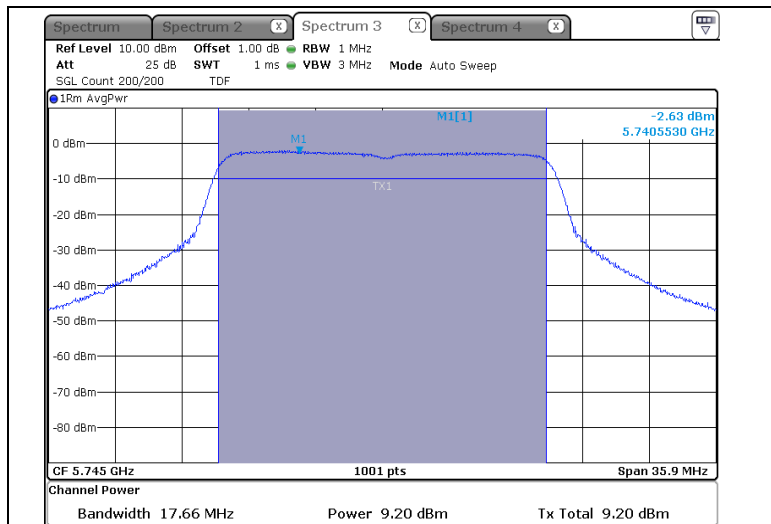
Lowest Channel (5 775 MHz)



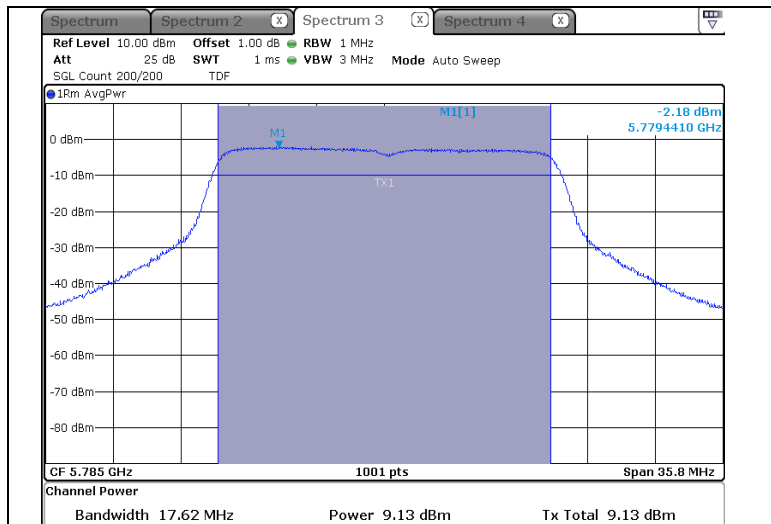
- MIMO 3Tx (ANT 2)

-802.11n HT20

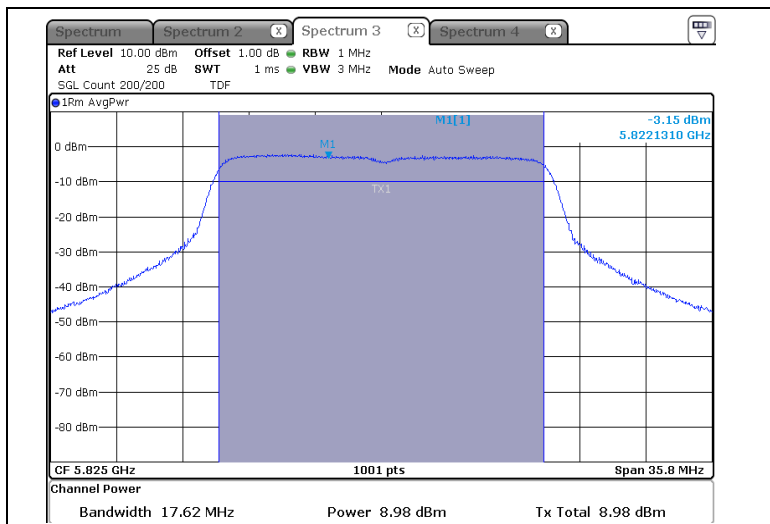
Lowest Channel (5 745 MHz)



Middle Channel (5 785 MHz)

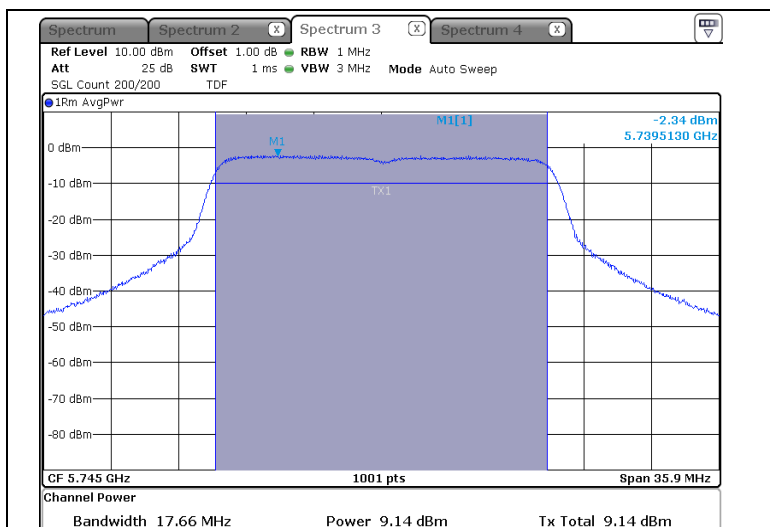


Highest Channel (5 825 MHz)

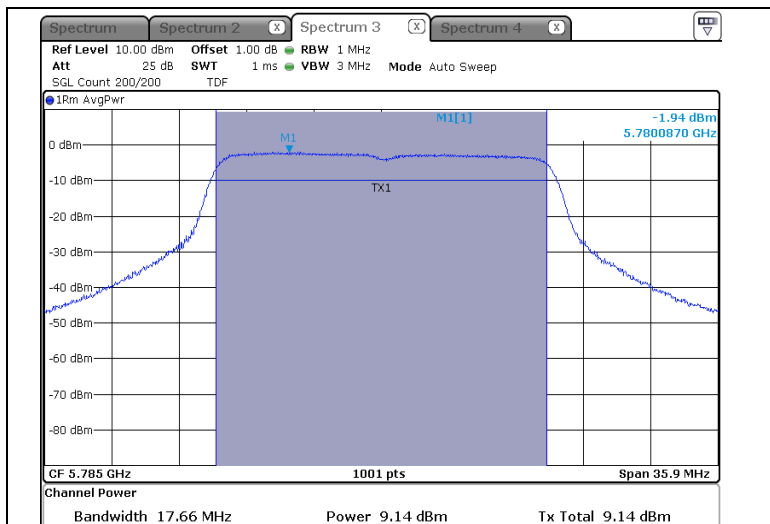


- 802.11ac VTH20

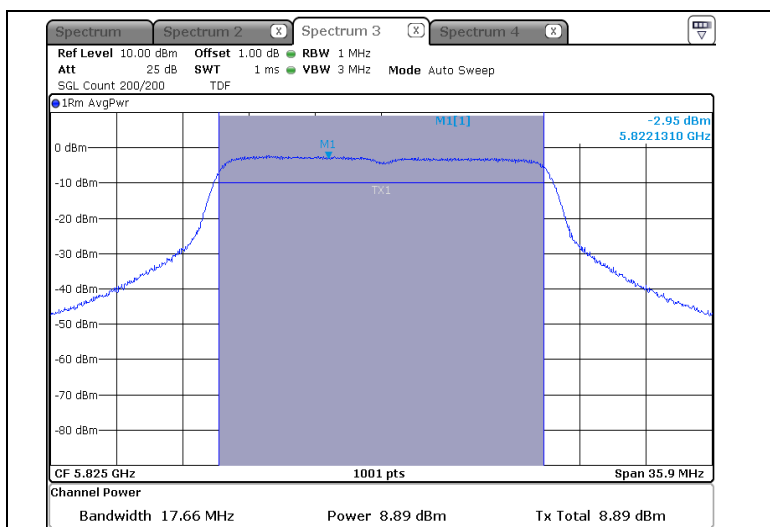
Lowest Channel (5 745 MHz)



Middle Channel (5 785 MHz)

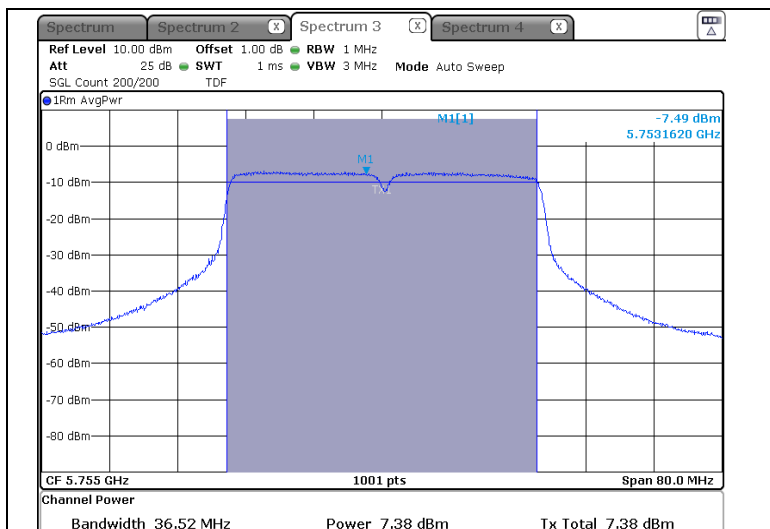


Highest Channel (5 825 MHz)

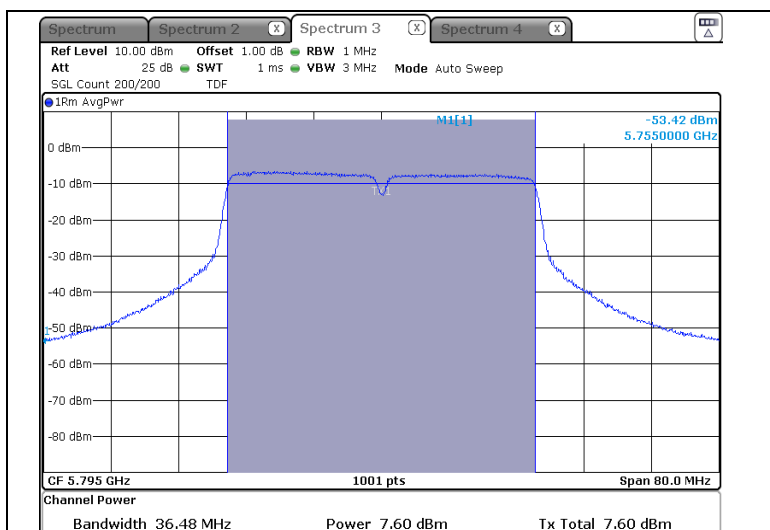


- 802.11n HT40

Lowest Channel (5 755 MHz)

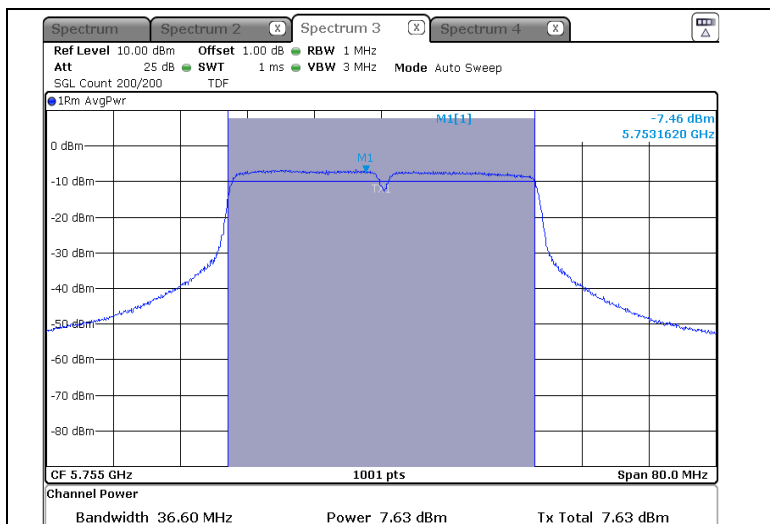


Highest Channel (5 795 MHz)

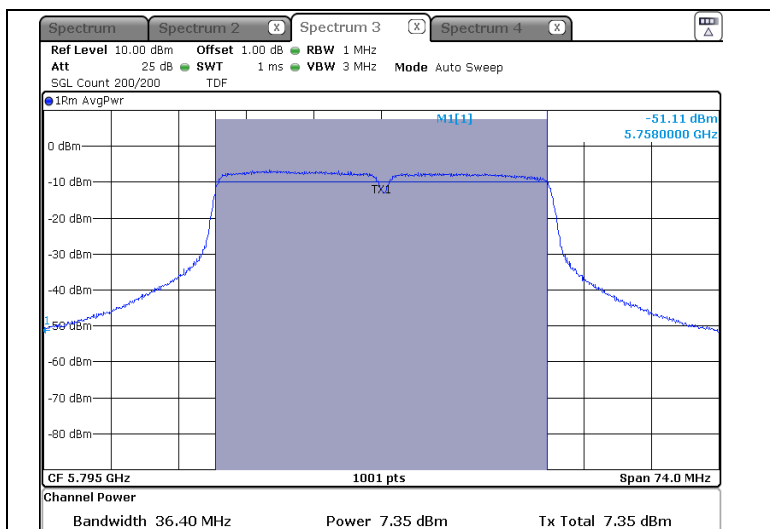


- 802.11ac VHT40

Lowest Channel (5 755 MHz)

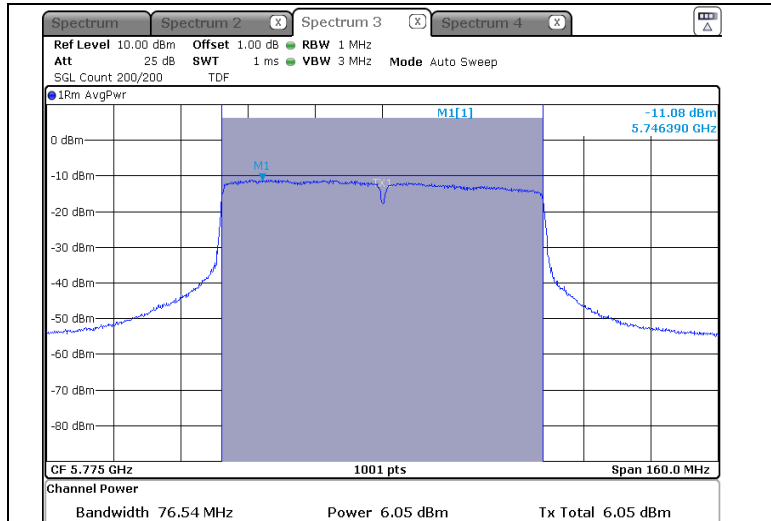


Highest Channel (5 795 MHz)



- 802.11ac VHT80

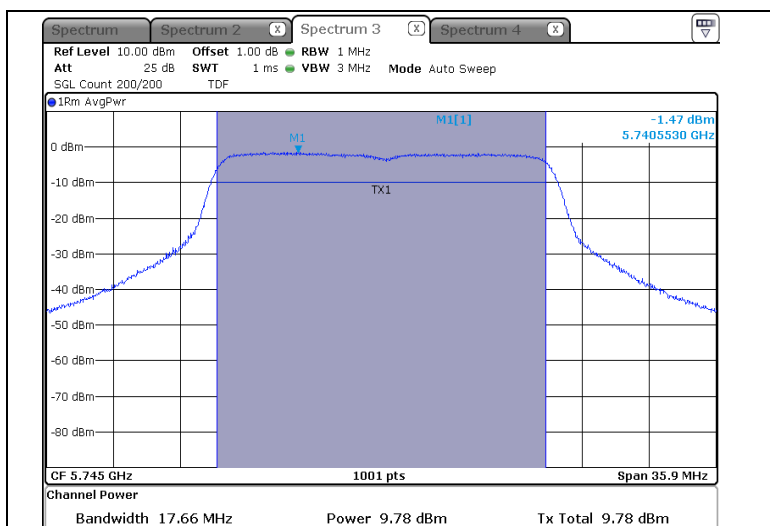
Lowest Channel (5 775 MHz)



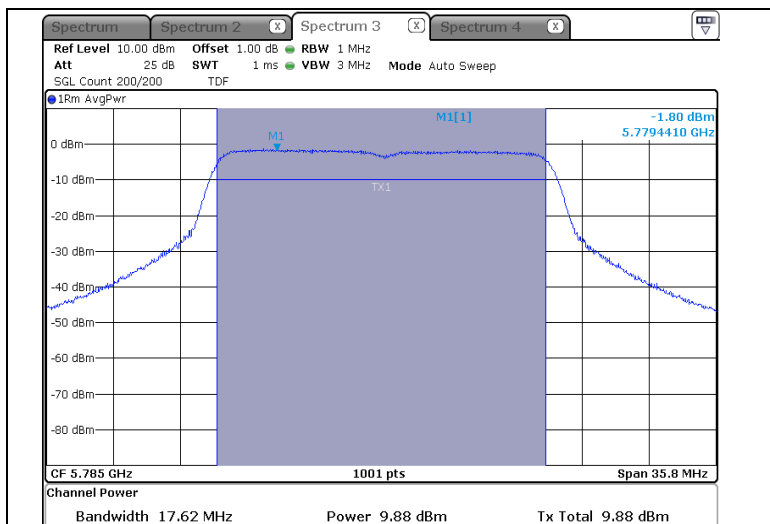
- MIMO 3Tx (ANT 3)

-802.11n HT20

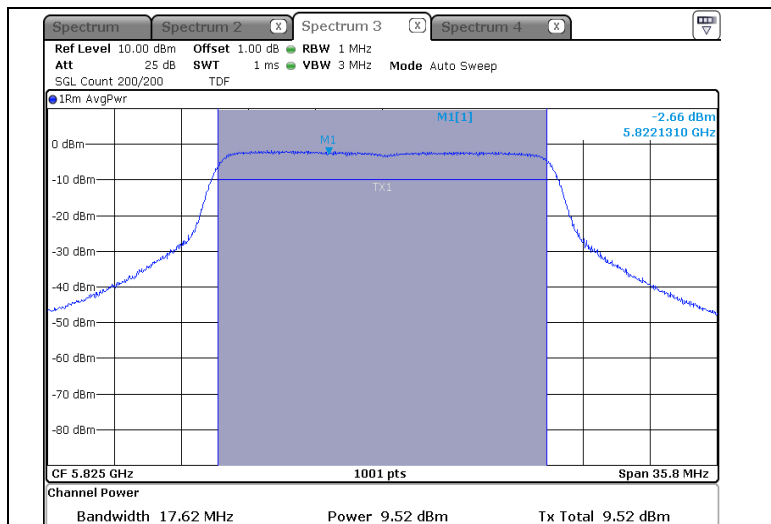
Lowest Channel (5 745 MHz)



Middle Channel (5 785 MHz)

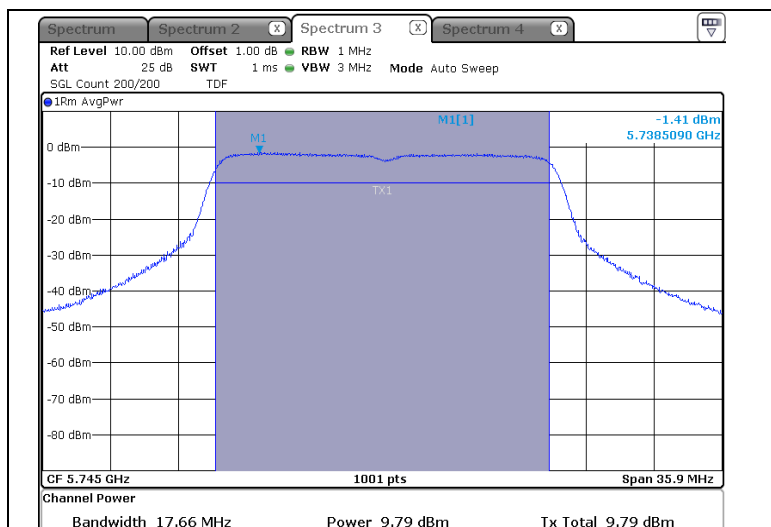


Highest Channel (5 825 MHz)

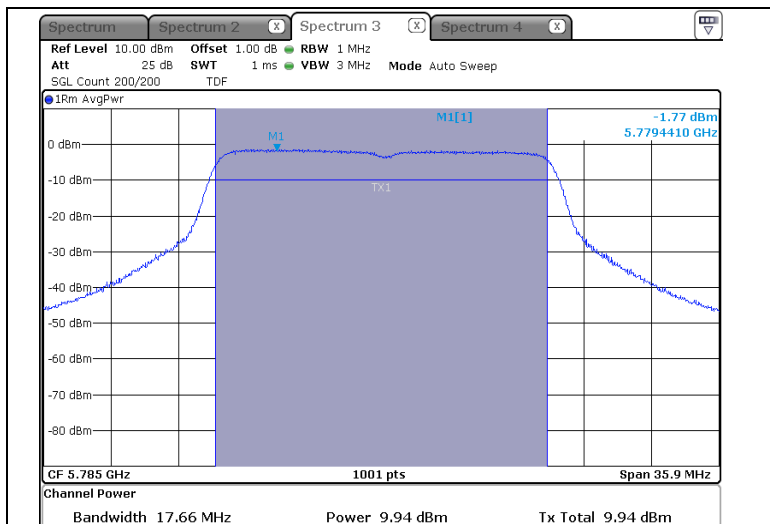


- 802.11ac VTH20

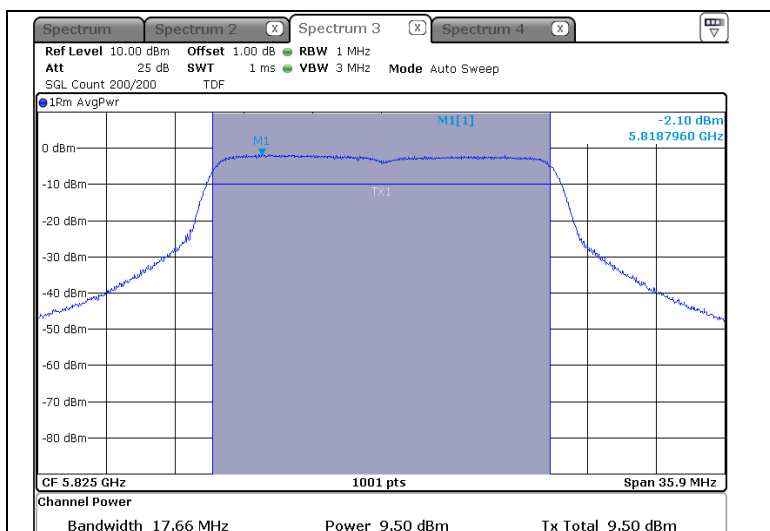
Lowest Channel (5 745 MHz)



Middle Channel (5 785 MHz)

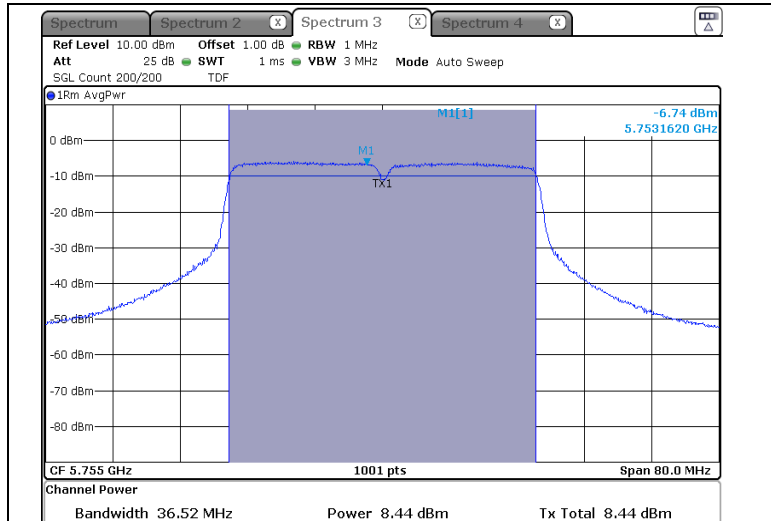


Highest Channel (5 825 MHz)

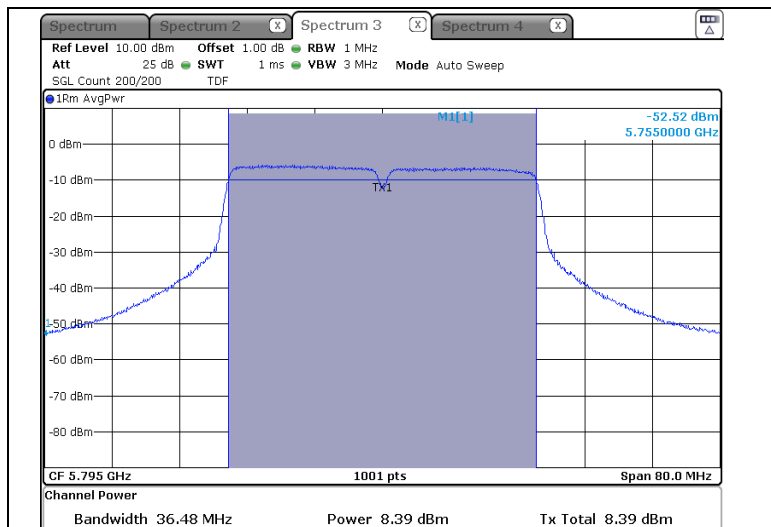


- 802.11n HT40

Lowest Channel (5 755 MHz)

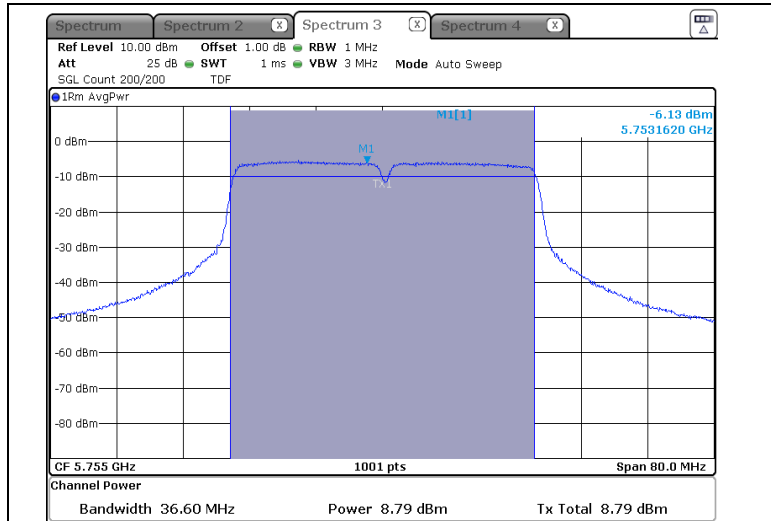


Highest Channel (5 795 MHz)

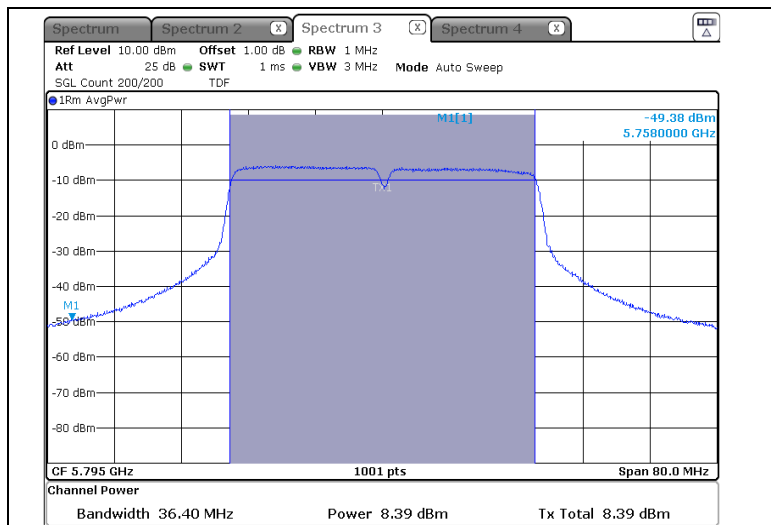


- 802.11ac VHT40

Lowest Channel (5 755 MHz)



Highest Channel (5 795 MHz)



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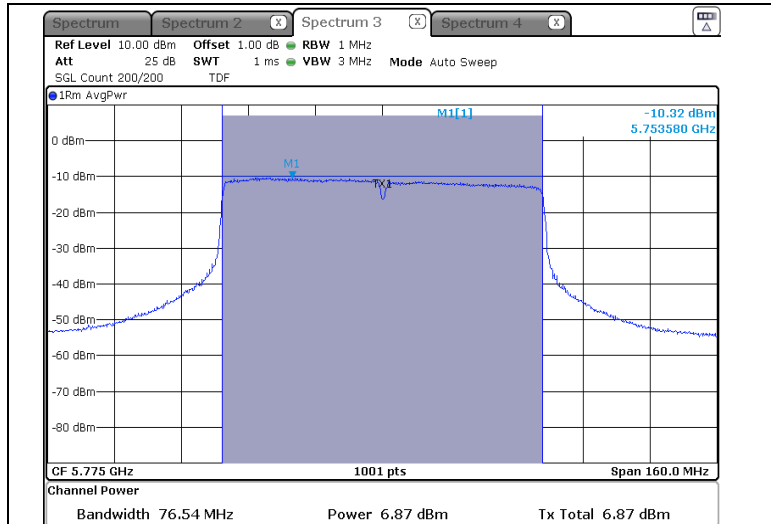
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- 802.11ac VHT80

Lowest Channel (5 775 MHz)



5.3 Bandwidth Measurement

5.3.1 Regulation

According to §15.403,(i) Emission bandwidth. For purposes of this subpart the emission bandwidth shall be determined by measuring the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, that are 26 dB down relative to the maximum level of the modulated carrier. Determination of the emissions bandwidth is based on the use of measurement instrumentation employing a peak detector function with an instrument resolution bandwidth approximately equal to 1.0 percent of the emission bandwidth of the device under measurement.

According to §15.407,(e) Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

5.3.2 Measurement Procedure

1.Emission Bandwidth (EBW)

- a)Set RBW = approximately 1% of the emission bandwidth.
- b)Set the VBW > RBW.
- c)Detector = Peak.
- d)Trace mode = max hold.
- e)Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

2.Minimum Emission Bandwidth for the band 5.725 - 5.85 GHz

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 kHz for the band 5.715-5.85 GHz.

The following procedure shall be used for measuring this bandwidth:

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

5.3.3 Test Result

-Complied

- 5 150 Band

- Ant 1

- 802.11a

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 180	22.22	17.02
5 200	21.54	16.94
5 240	21.78	16.90

- 802.11n HT20

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 180	23.26	18.14
5 200	23.10	17.94
5 240	22.78	17.98

- 802.11ac VHT20

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 180	22.50	18.06
5 200	22.58	17.98
5 240	22.78	18.06

- 802.11n HT40

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 190	44.60	36.36
5 230	44.52	36.28

- 802.11ac VHT40

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 190	43.96	36.28
5 230	44.68	36.36

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- 802.11ac VHT80

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 210	85.51	76.08

- Ant 2

- 802.11a

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 180	22.02	16.98
5 200	22.02	16.70
5 240	20.98	17.06

- 802.11n HT20

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 180	22.42	18.38
5 200	22.54	18.14
5 240	22.82	18.02

- 802.11ac VHT20

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 180	22.58	18.30
5 200	22.66	18.14
5 240	22.62	18.18

- 802.11n HT40

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 190	44.76	36.28
5 230	42.60	36.36

- 802.11ac VHT40

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 190	44.04	36.36
5 230	44.76	36.20

- 802.11ac VHT80

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 210	84.40	76.08

- Ant 3

- 802.11a

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 180	21.34	17.42
5 200	21.74	16.86
5 240	21.38	17.14

- 802.11n HT20

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 180	22.58	18.10
5 200	22.42	18.18
5 240	23.38	18.14

- 802.11ac VHT20

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 180	22.46	18.18
5 200	22.18	18.18
5 240	23.54	18.18

- 802.11n HT40

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 190	43.80	36.36
5 230	46.83	36.36

- 802.11ac VHT40

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 190	43.96	36.28
5 230	43.08	36.28

- 802.11ac VHT80

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 210	89.19	76.24

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- MIMO (ANT 1+2)

- 802.11n HT20

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 180	23.06	18.42
5 200	22.74	18.58
5 240	23.10	18.26

- 802.11ac VHT20

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 180	22.66	18.42
5 200	22.62	18.30
5 240	22.50	18.38

- 802.11n HT40

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 190	44.44	36.28
5 230	44.12	36.28

- 802.11ac VHT40

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 190	46.03	36.36
5 230	44.68	36.28

- 802.11n HT80

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 210	88.71	76.08

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- MIMO (ANT 1+2+3)

- 802.11n HT20

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 180	23.18	18.34
5 200	23.02	18.30
5 240	22.74	18.34

- 802.11ac VHT20

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 180	23.22	18.38
5 200	22.38	18.42
5 240	22.46	18.38

- 802.11n HT40

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 190	43.80	36.36
5 230	43.80	36.36

- 802.11ac VHT40

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 190	44.76	36.36
5 230	44.92	36.20

- 802.11n HT80

Frequency [MHz]	26 dB Bandwidth [MHz]	OBW [MHz]
5 210	85.19	76.08

- 5 725 Band**- Ant 1****- 802.11a**

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 745	16.42	17.46
5 785	16.38	17.18
5 825	16.38	17.34

- 802.11n HT20

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 745	17.66	17.86
5 785	17.66	17.98
5 825	17.66	18.06

- 802.11ac VTH20

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 745	17.65	18.10
5 785	17.62	17.90
5 825	17.66	17.94

- 802.11n HT40

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 755	36.42	36.52
5 795	36.52	36.60

- 802.11ac VHT40

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 755	36.48	36.52
5 795	36.48	36.52

- 802.11ac VHT80

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 775	76.44	75.76

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- Ant 2

- 802.11a

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 745	16.38	16.86
5 785	16.42	16.90
5 825	16.42	16.86

- 802.11n HT20

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 745	17.62	17.90
5 785	17.66	17.90
5 825	17.66	17.90

- 802.11ac VTH20

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 745	17.73	18.14
5 785	17.62	17.90
5 825	17.66	17.98

- 802.11n HT40

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 755	36.40	36.52
5 795	36.52	36.52

- 802.11ac VHT40

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 755	36.32	36.60
5 795	36.40	36.44

- 802.11ac VHT80

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 775	75.96	75.92

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- Ant 3

- 802.11a

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 745	16.42	16.82
5 785	16.42	16.86
5 825	16.38	16.86

- 802.11n HT20

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 745	17.66	17.94
5 785	17.66	17.94
5 825	17.66	17.94

- 802.11ac VTH20

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 745	17.61	18.06
5 785	17.66	18.02
5 825	17.66	17.94

- 802.11n HT40

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 755	36.56	36.60
5 795	36.56	36.52

- 802.11ac VHT40

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 755	36.40	36.44
5 795	36.48	36.44

- 802.11ac VHT80

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 775	75.98	75.76

- MIMO (ANT 1+2)

- 802.11n HT20

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 745	17.70	18.06
5 785	17.70	18.06
5 825	17.70	17.90

- 802.11ac VTH20

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 745	17.62	18.02
5 785	17.78	17.98
5 825	17.62	18.02

- 802.11n HT40

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 755	36.52	36.36
5 795	36.52	36.36

- 802.11ac VHT40

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 755	36.52	36.36
5 795	36.52	36.36

- 802.11ac VHT80

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 775	76.40	75.76

- MIMO (ANT 1+2+3)

- 802.11n HT20

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 745	17.66	17.98
5 785	17.62	17.98
5 825	17.62	17.86

- 802.11ac VTH20

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 745	17.66	17.98
5 785	17.66	17.86
5 825	17.66	17.86

- 802.11n HT40

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 755	36.52	36.28
5 795	36.48	36.52

- 802.11ac VHT40

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 755	36.60	36.44
5 795	36.40	36.44

- 802.11ac VHT80

Frequency [MHz]	6 dB Bandwidth [MHz]	OBW [MHz]
5 775	76.54	76.08

5.3.4 Test Plot

Figure 1. Plot of Bandwidth Measurement

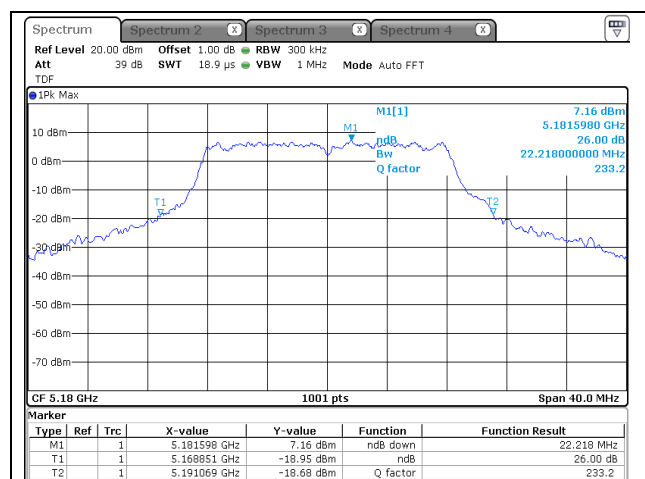
- 5 150 Band

Ant 1

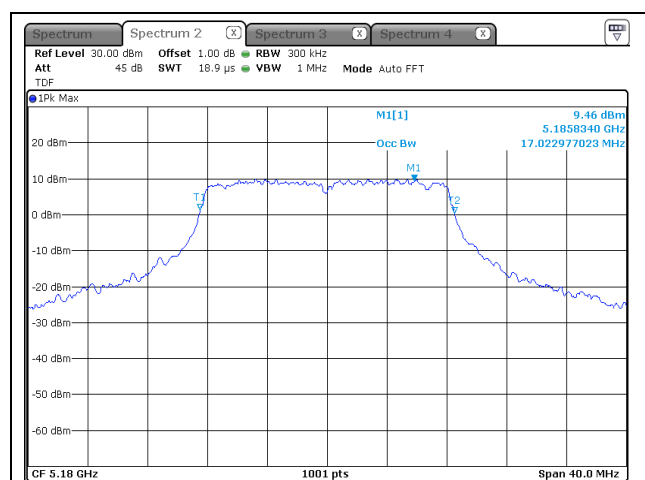
- 802.11a

- 5 180 MHz

EBW



OBW



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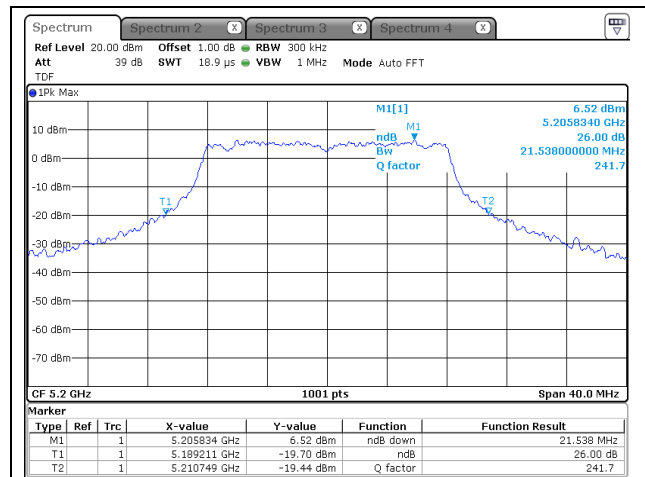
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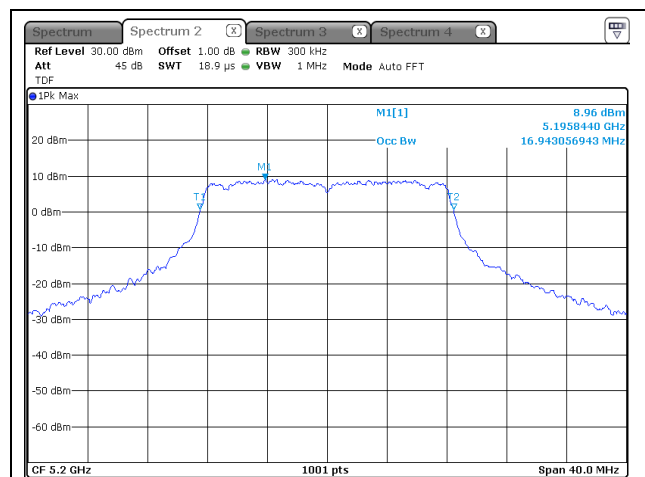


- 5 200 MHz

EBW



OBW



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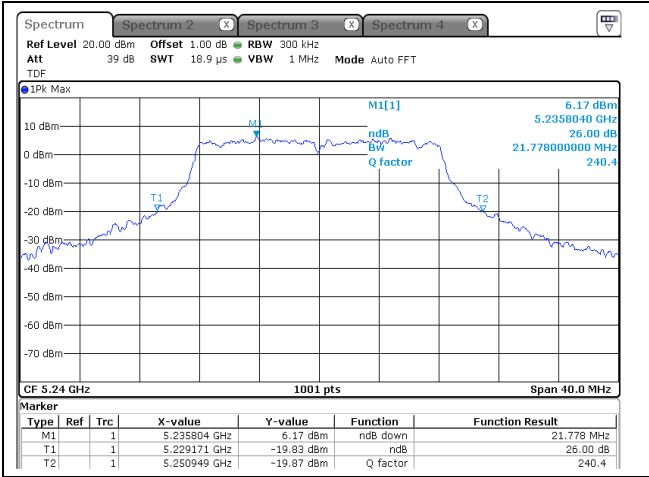
65, Sinwon-ro, Yeongtong-gu,
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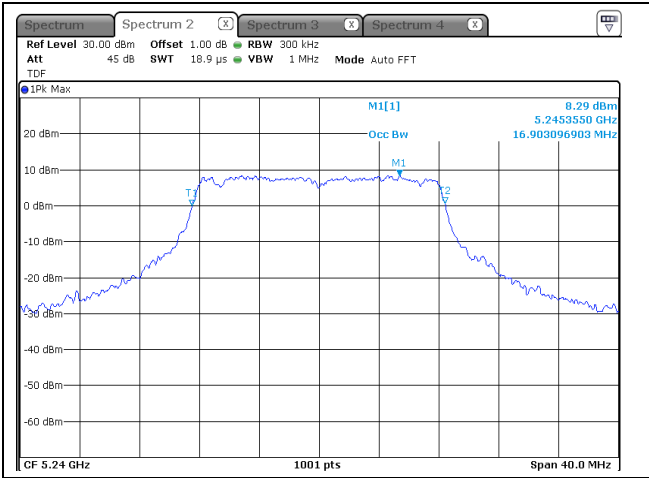


- 5 240 MHz

EBW



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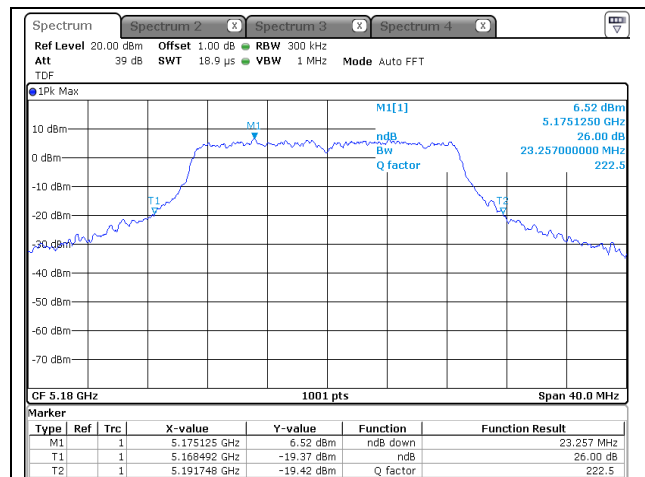
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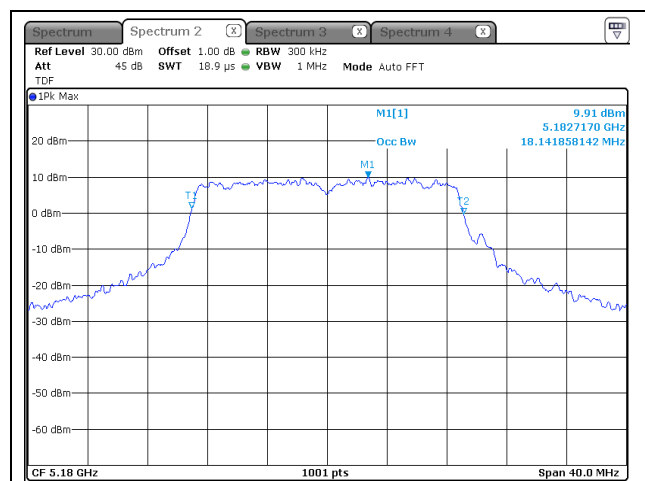
- 802.11n HT20

- 5 180 MHz

EBW



OBW



KCTL Inc.

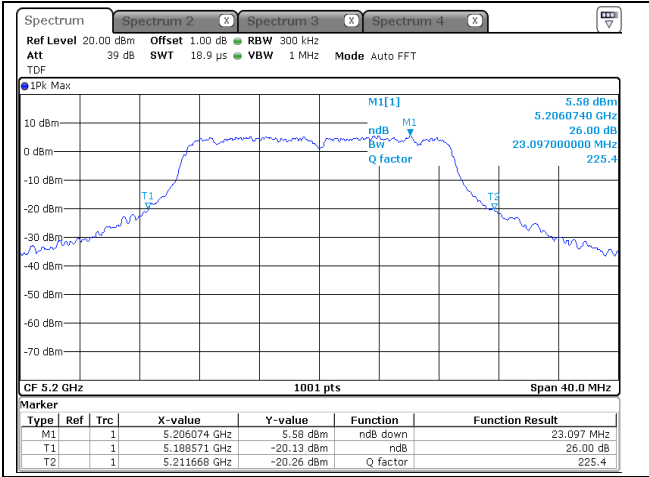
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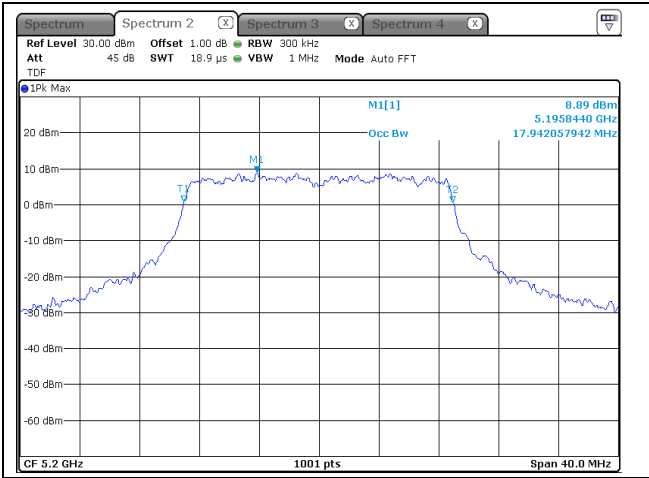


- 5 200 MHz

EBW



OBW



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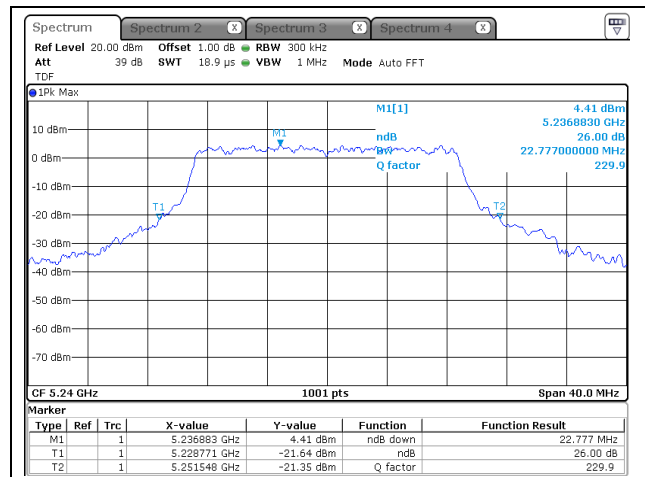
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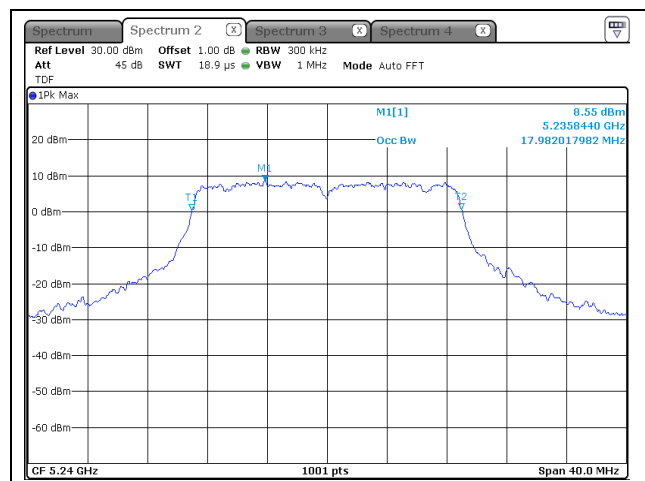


- 5 240 MHz

EBW



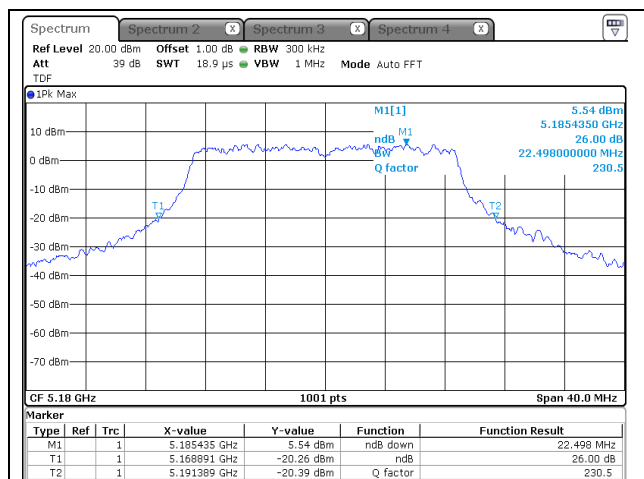
OBW



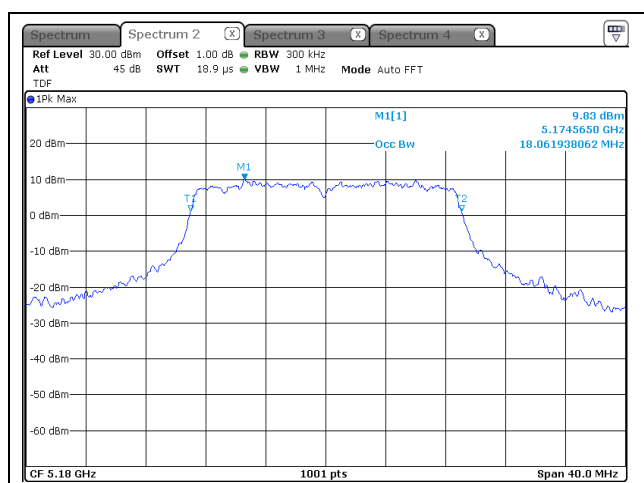
- 802.11ac VHT20

- 5 180 MHz

EBW

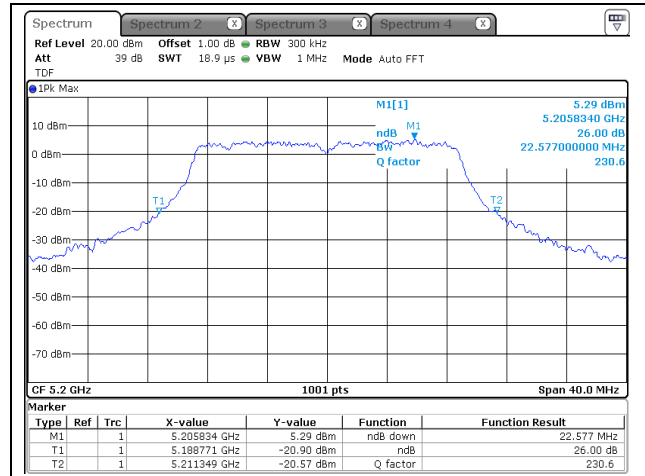


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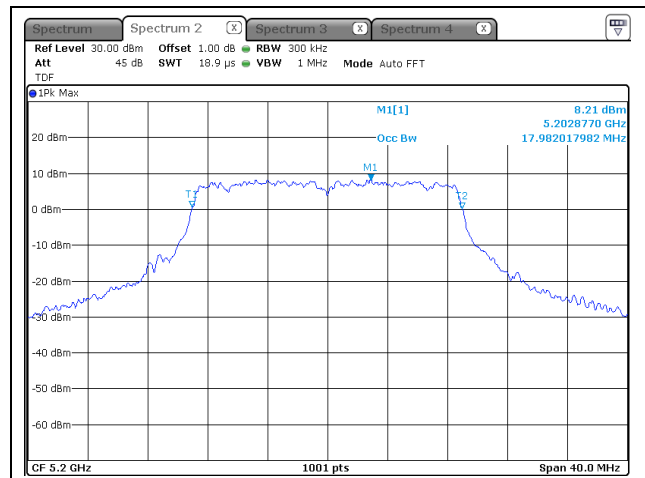


- 5 200 MHz

EBW



OBW



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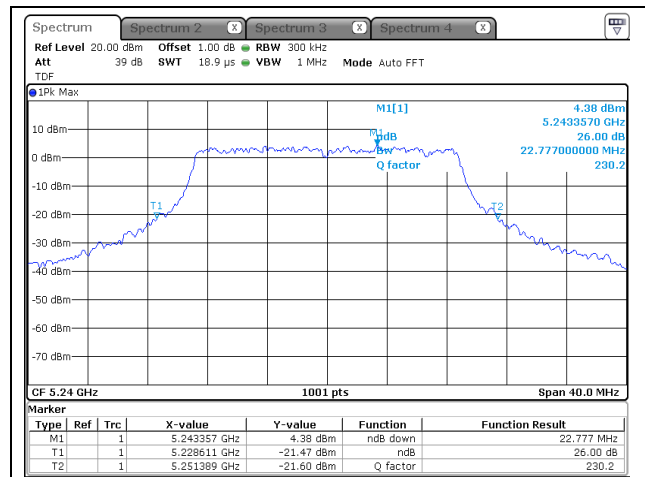
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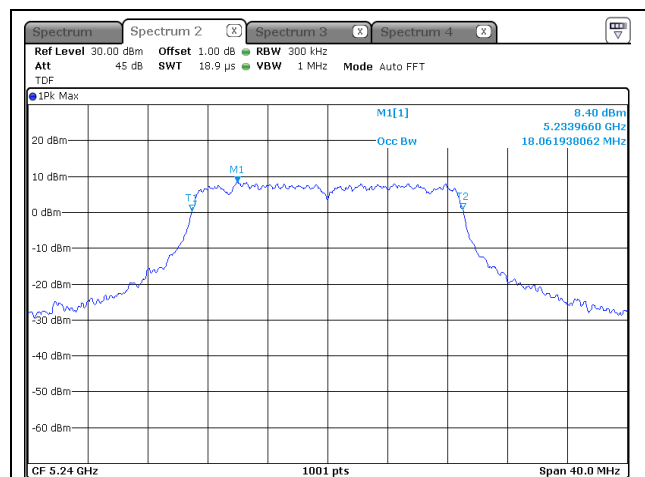
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- 5 240 MHz

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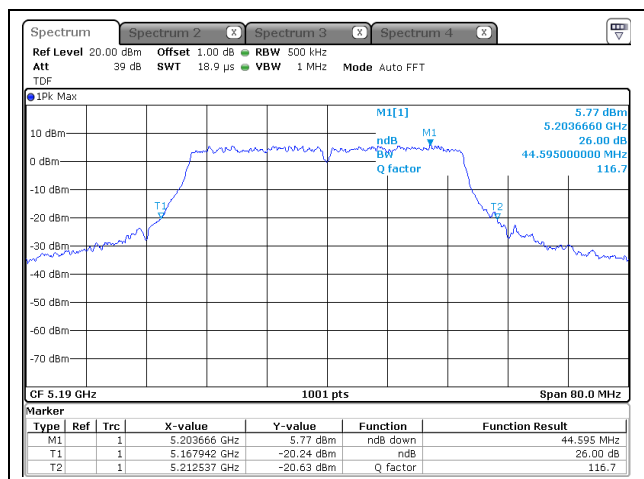
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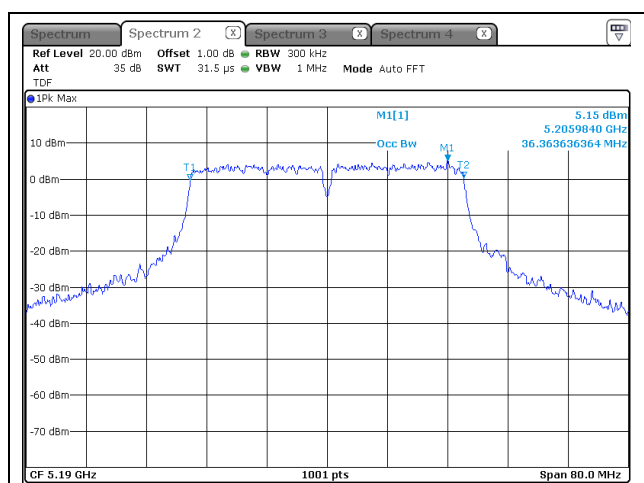
- 802.11n HT40

- 5 190 MHz

EBW

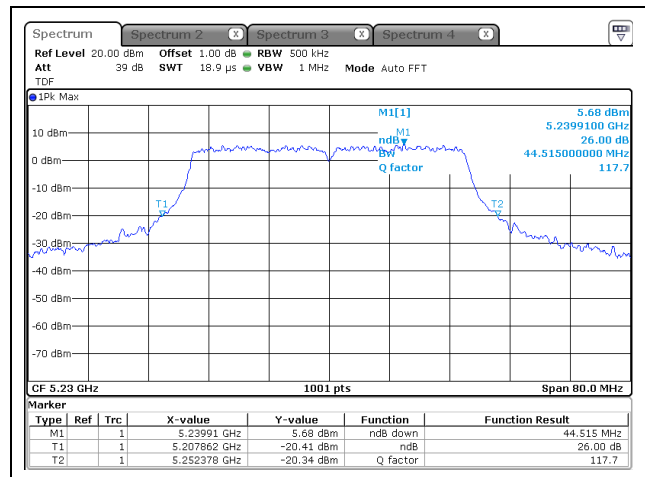


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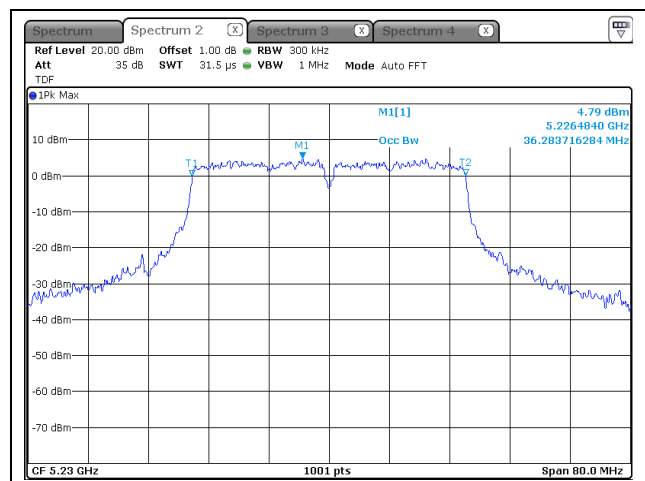


- 5 230 MHz

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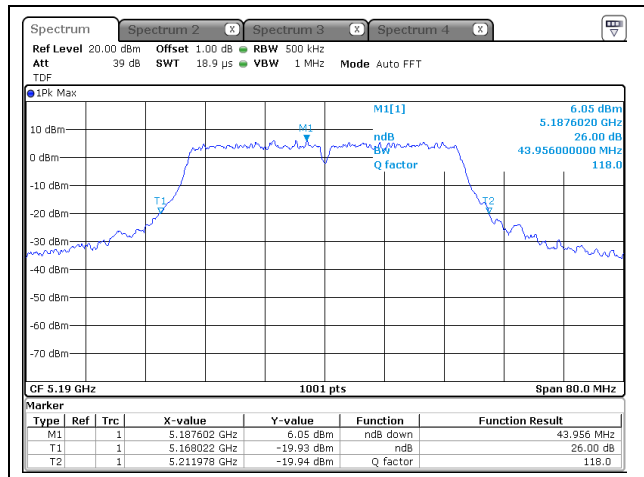
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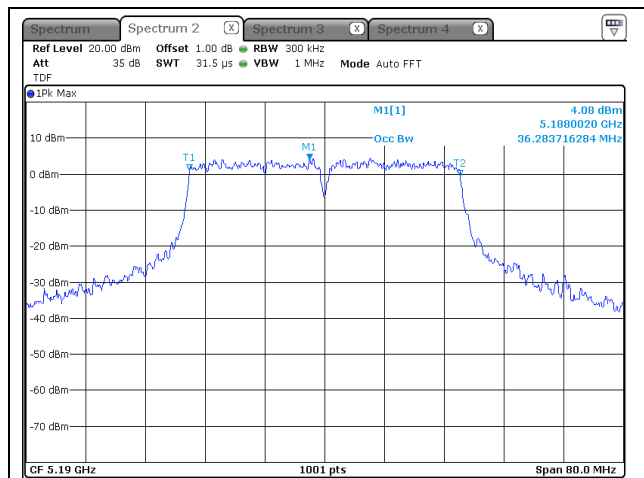
- 802.11ac VHT40

- 5 190 MHz

EBW

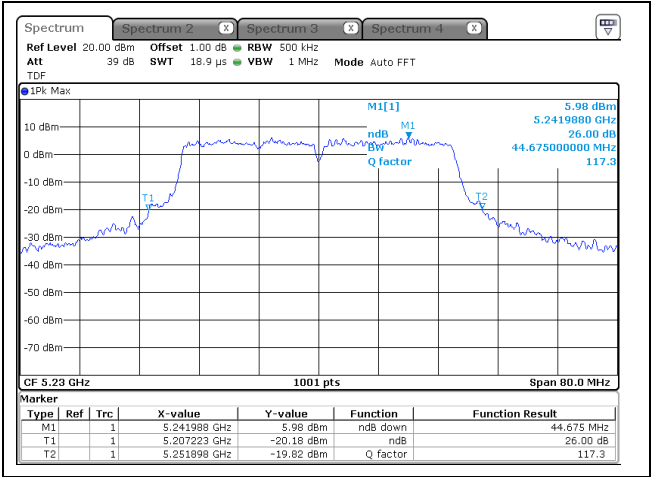


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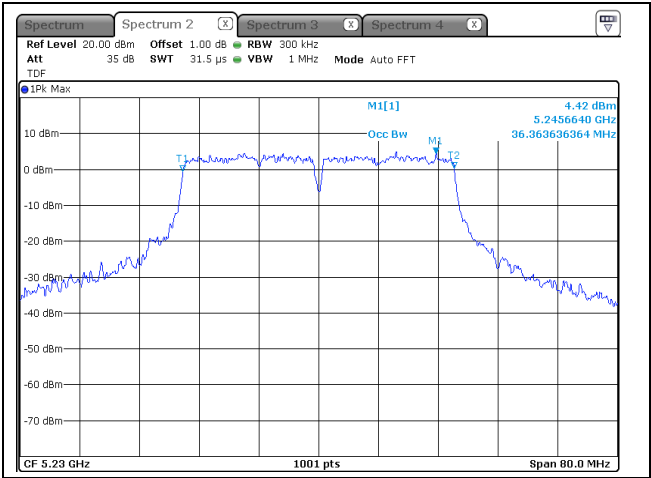


- 5 230 MHz

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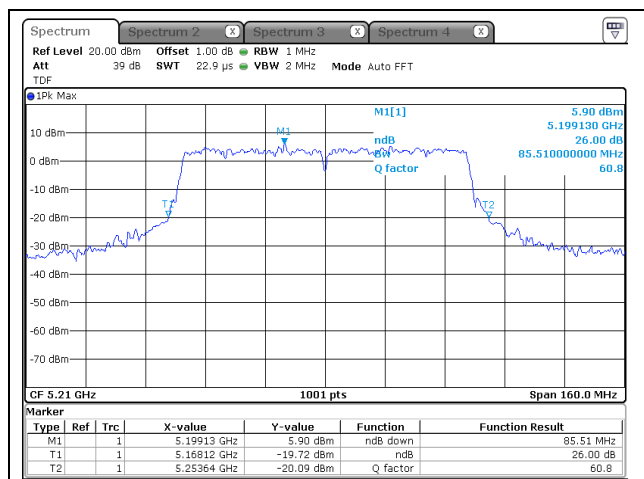
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KCTL

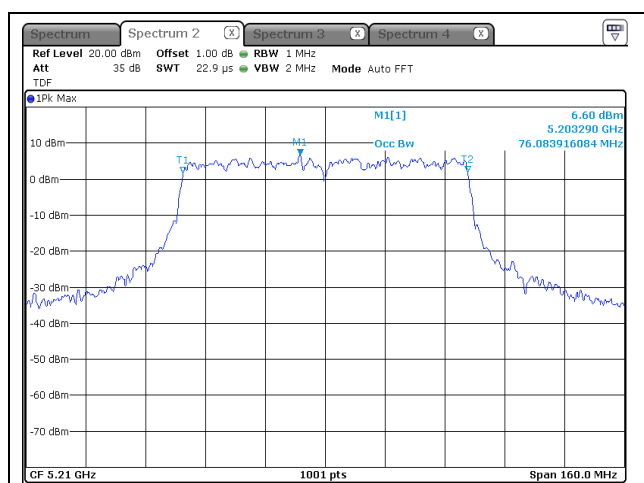
- 802.11ac VHT80

- 5 210 MHz

EBW



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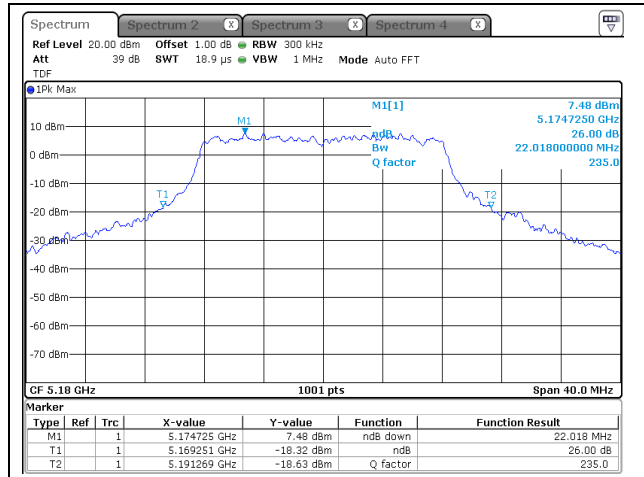


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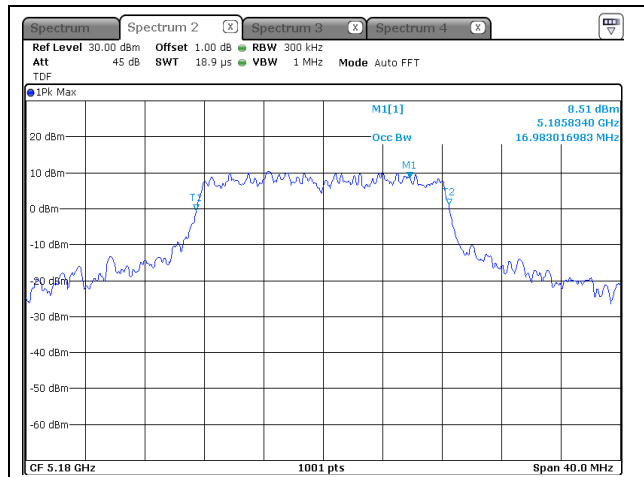
- 802.11a

- 5 180 MHz

EBW



OBW



KCTL Inc.

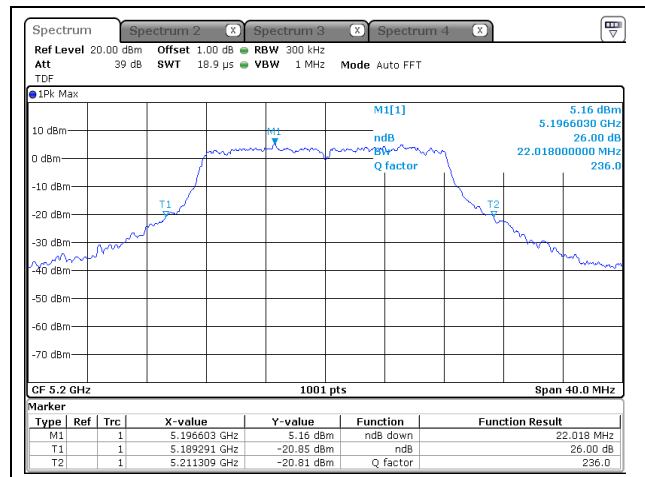
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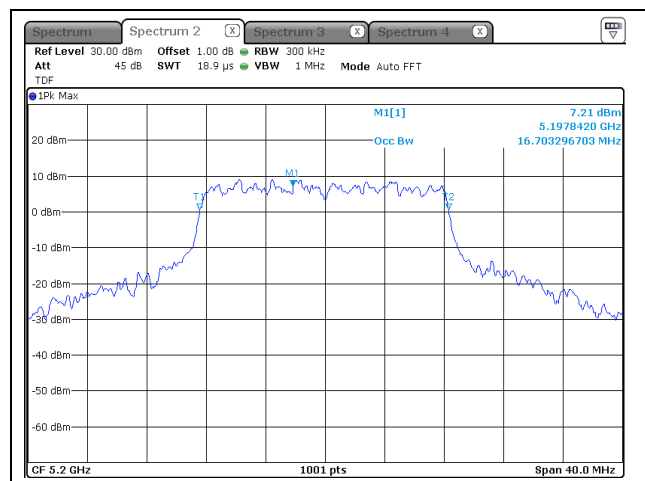


- 5 200 MHz

EBW



OBW



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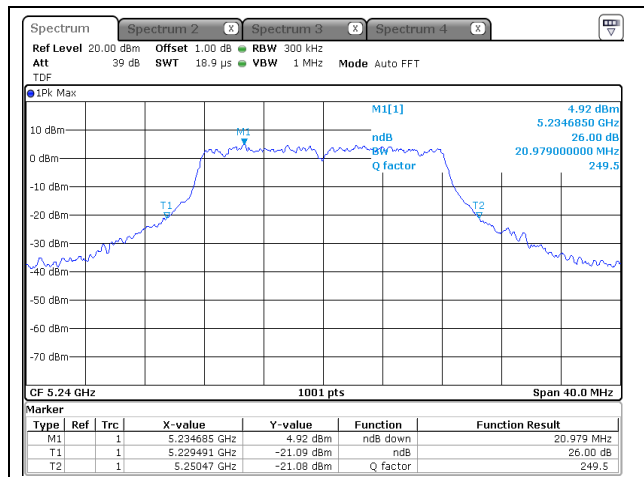
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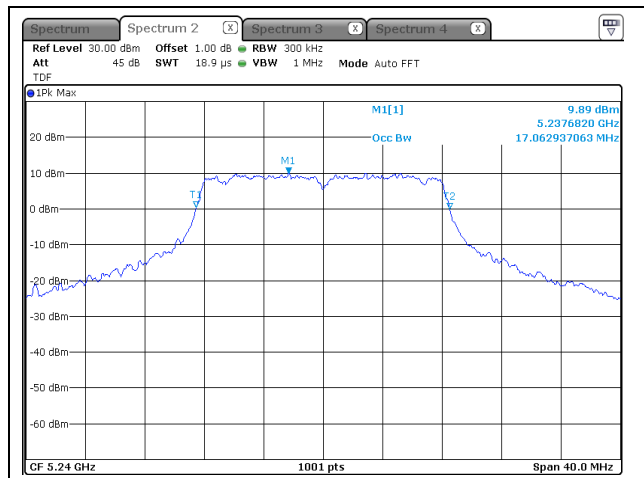
KCTL

- 5 240 MHz

EBW



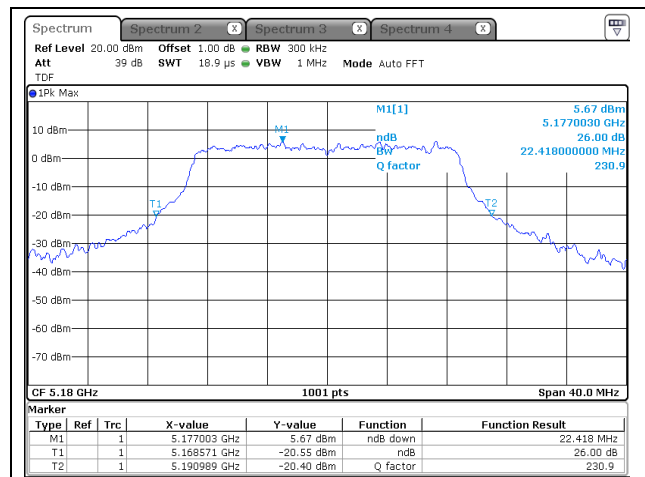
OBW



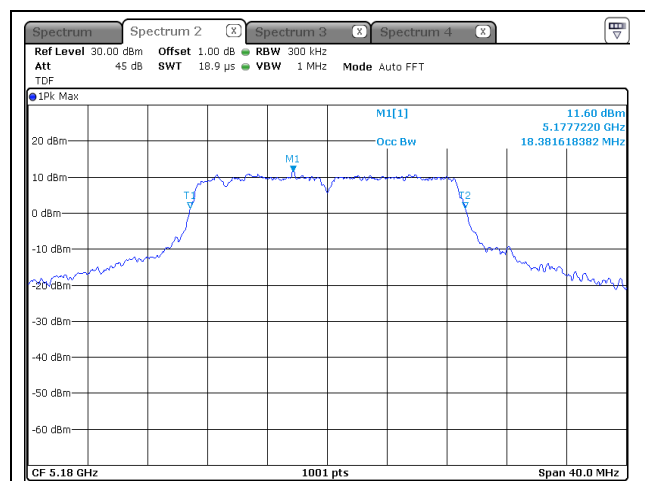
- 802.11n HT20

- 5 180 MHz

EBW



OBW



KCTL Inc.

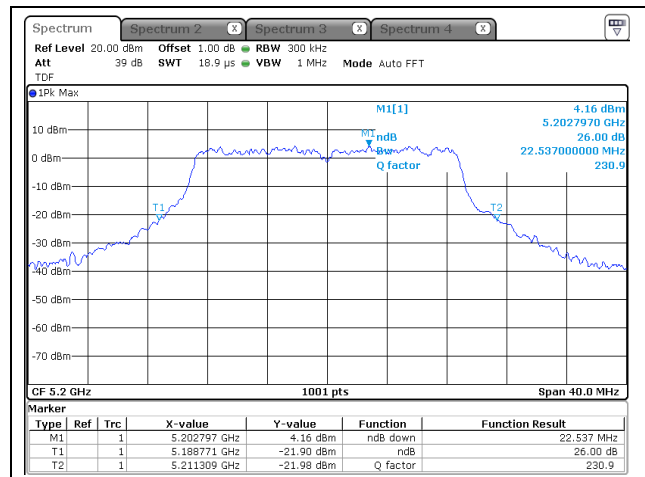
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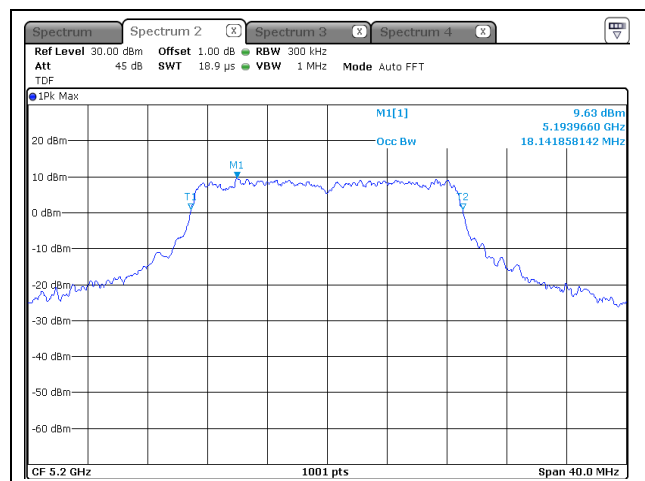


- 5 200 MHz

EBW



OBW



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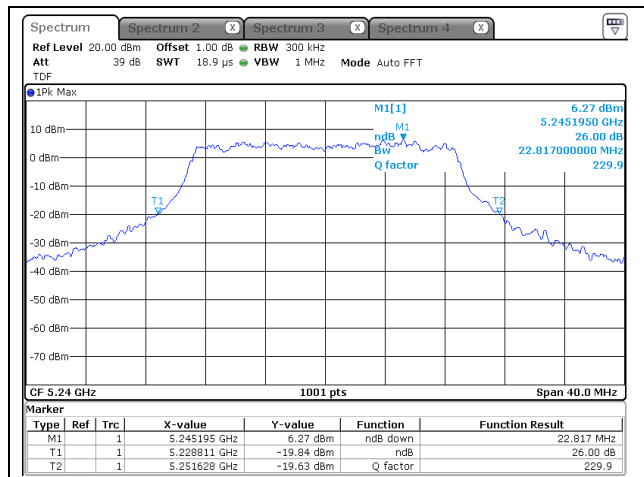
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Suwon-si, Gyeonggi-do, 443-390, Korea
TEL: 82-70-5008-1021 FAX: 82-505-299-8311
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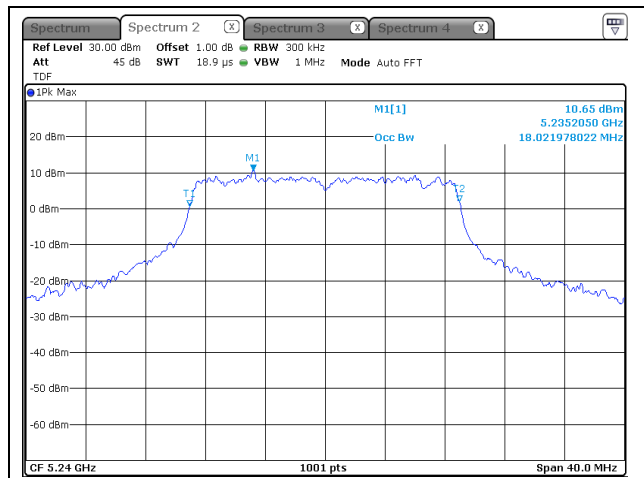


- 5 240 MHz

EBW



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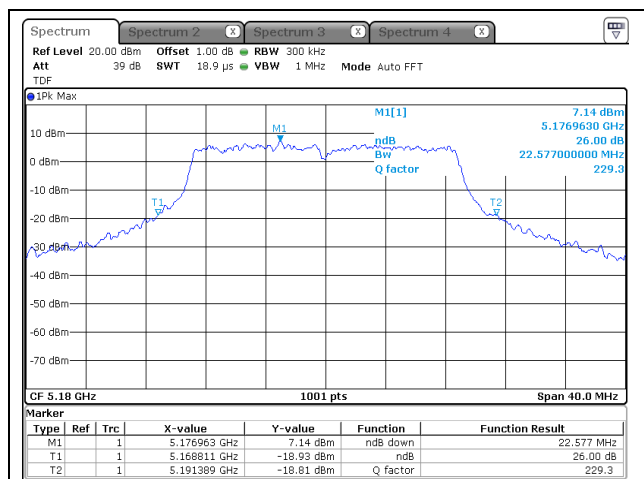
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KCTL

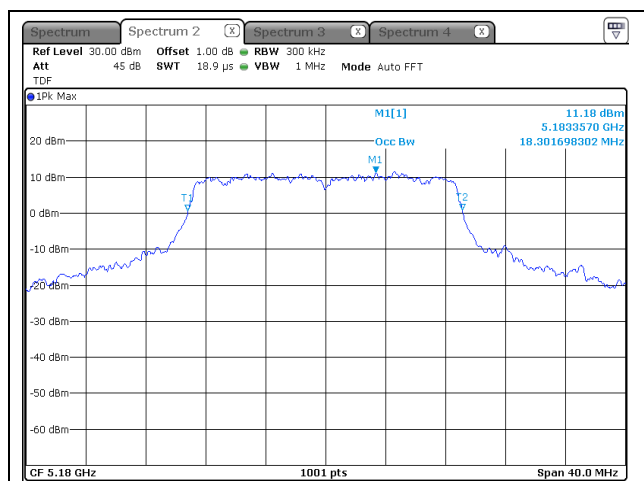
- 802.11ac VHT20

- 5 180 MHz

EBW



OBW



KCTL Inc.

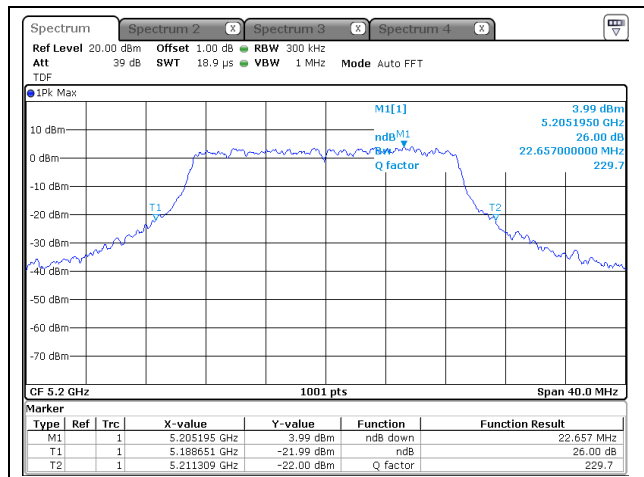
65, Sinwon-ro, Yeongtong-gu,
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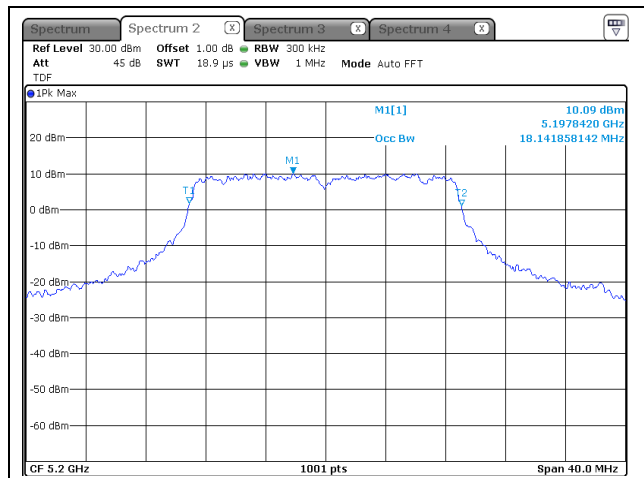


- 5 200 MHz

EBW



OBW



KCTL Inc.

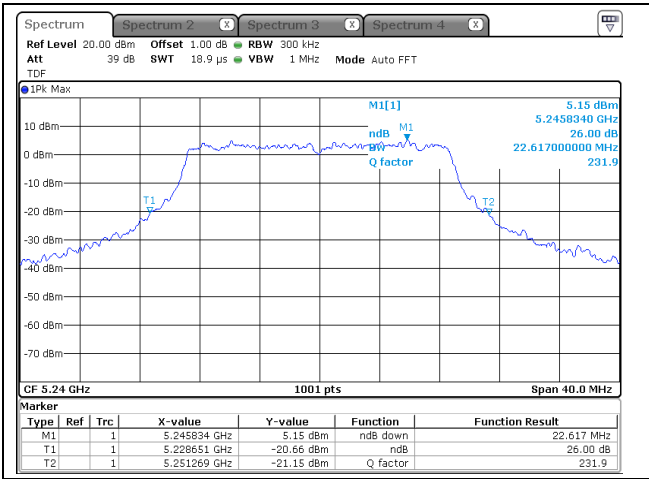
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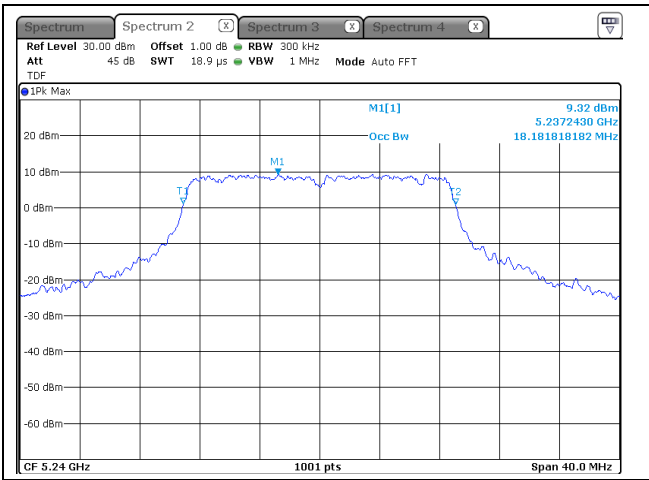
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- 5 240 MHz

EBW



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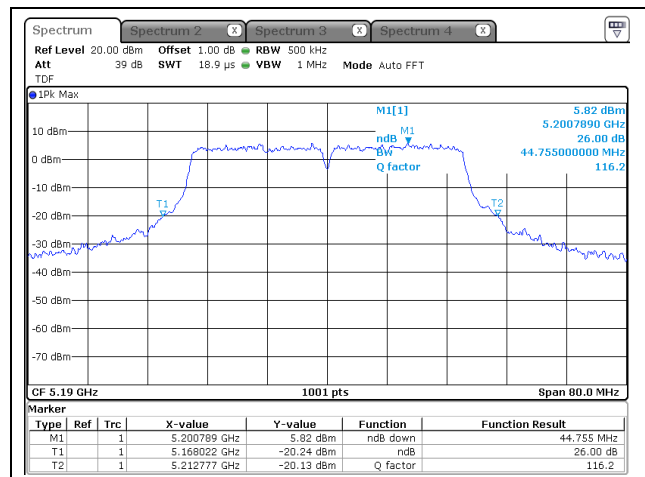
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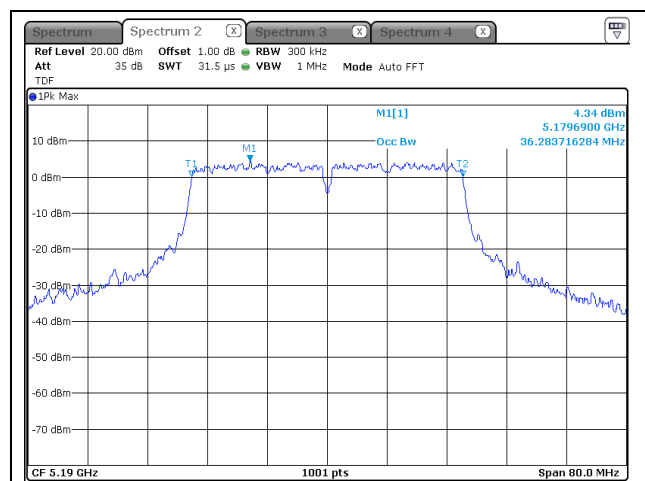
- 802.11n HT40

- 5 190 MHz

EBW

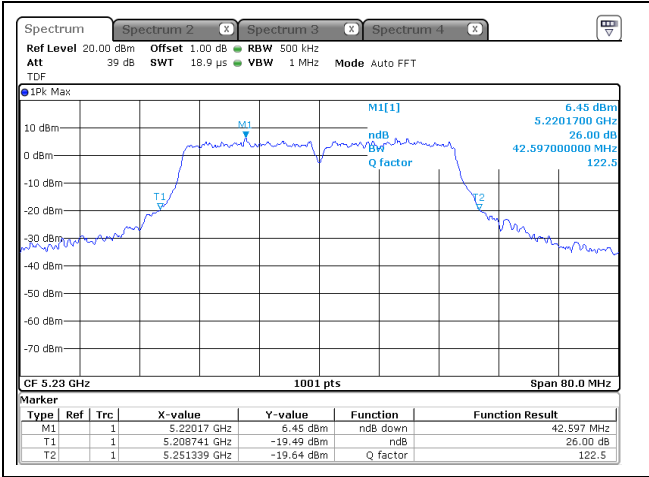


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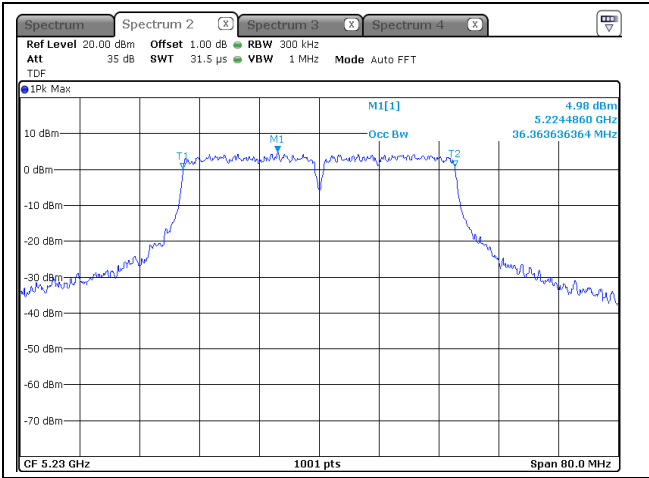


- 5 230 MHz

EBW



OBW



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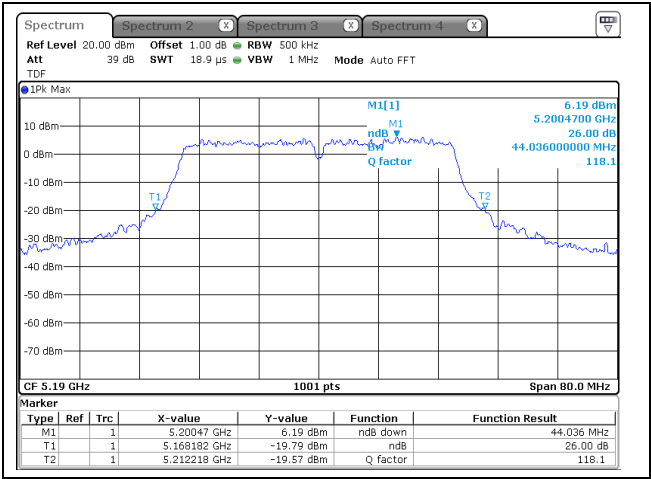
Report No.:
KR16-SRF0013
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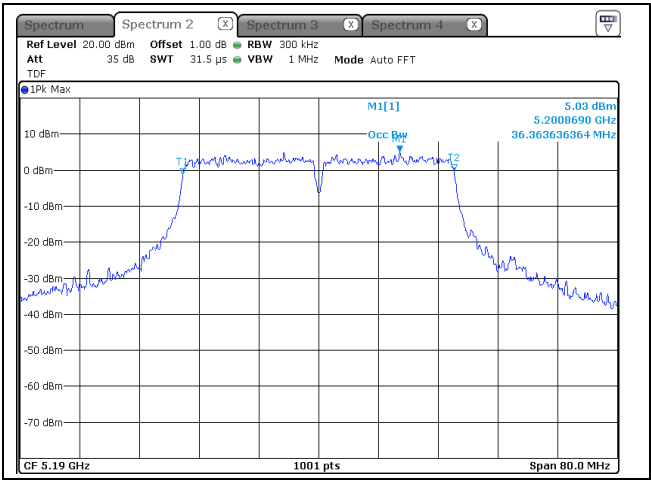
- 802.11ac VHT40

- 5 190 MHz

EBW



OBW



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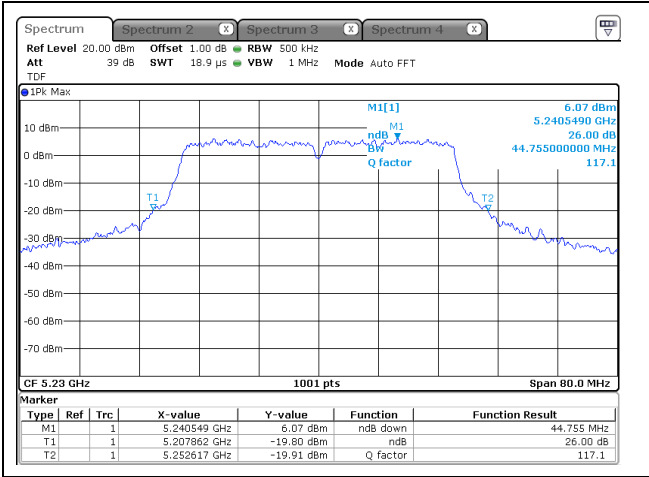
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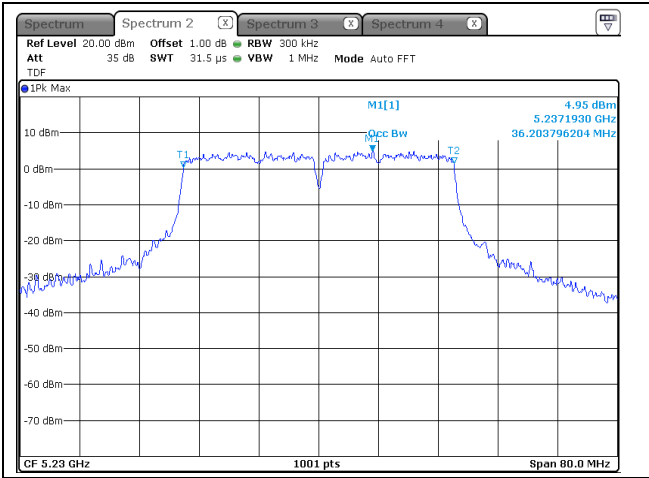


- 5 230 MHz

EBW



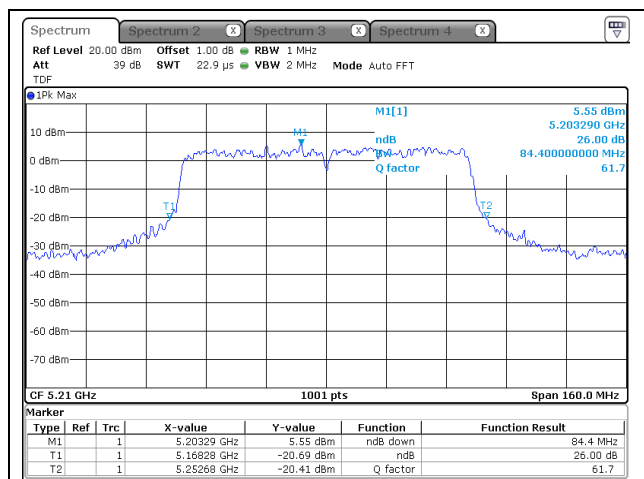
OBW



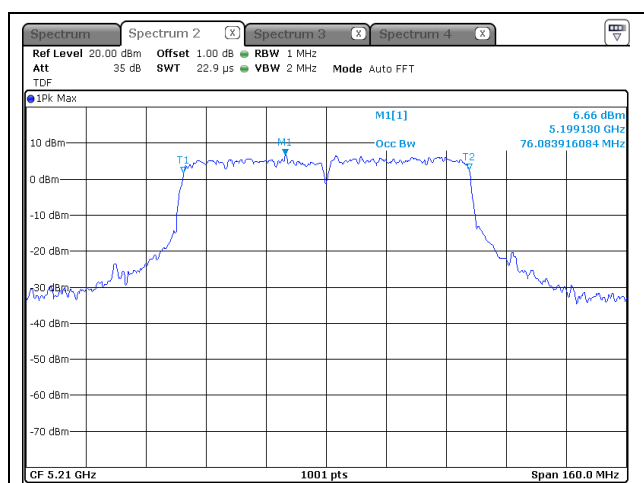
- 802.11ac VHT80

- 5 210 MHz

EBW



OBW



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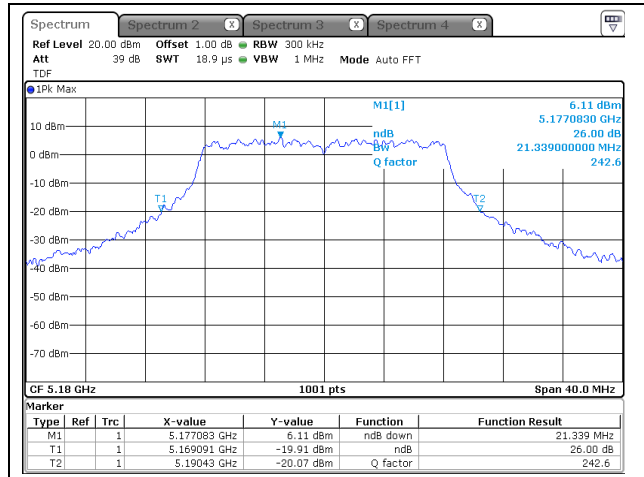


Ant 3

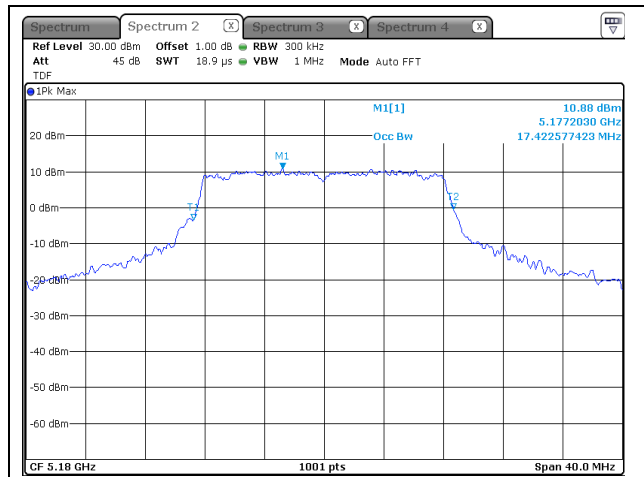
- 802.11a

- 5 180 MHz

EBW



OBW



KCTL Inc.

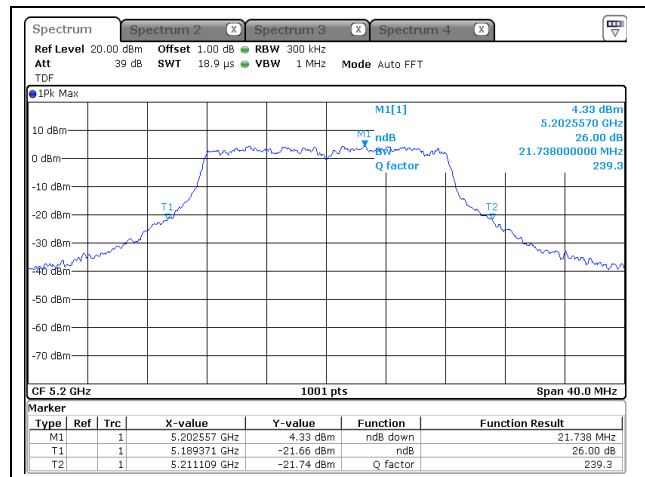
65, Sinwon-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 443-390, Korea
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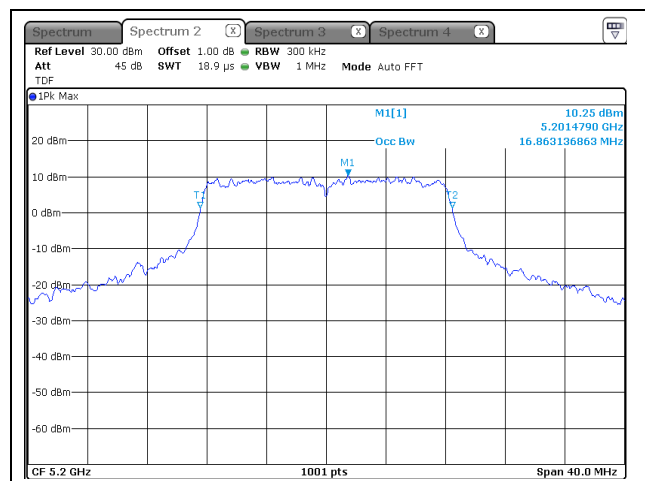


- 5 200 MHz

EBW

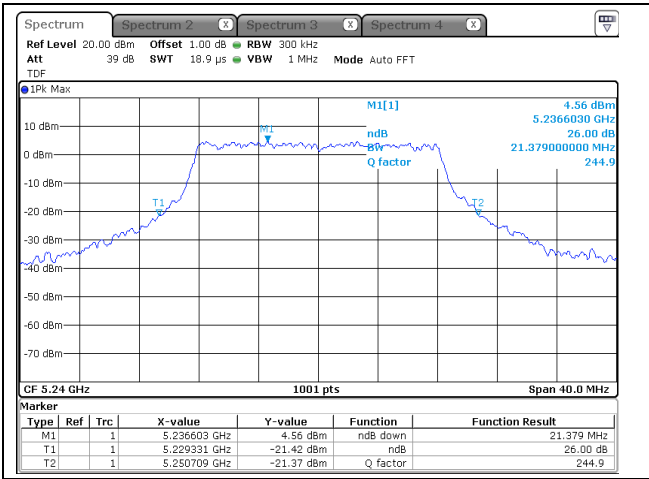


OBW

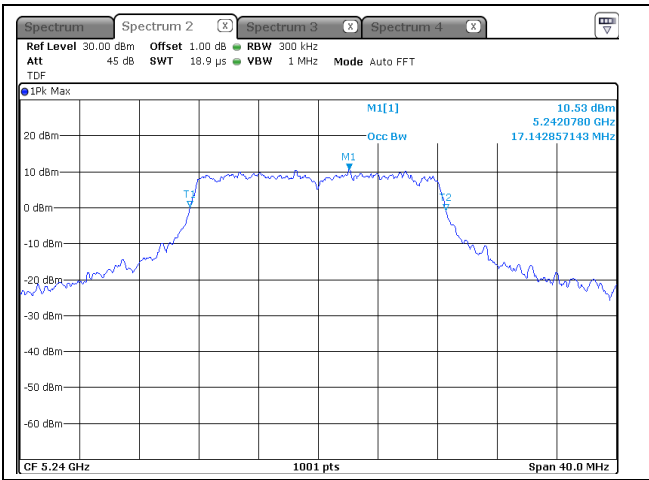


- 5 240 MHz

EBW



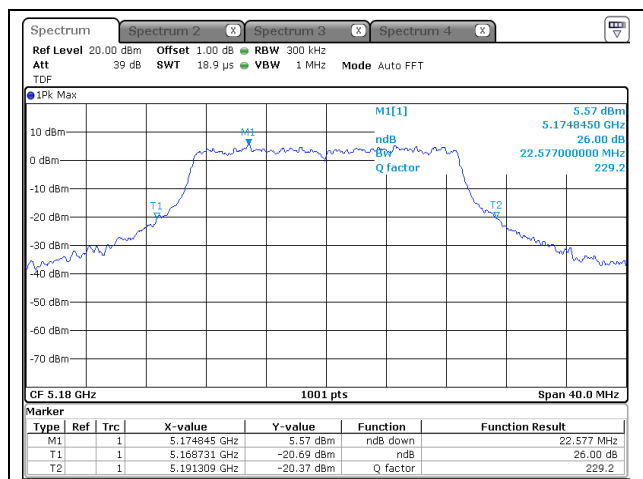
OBW



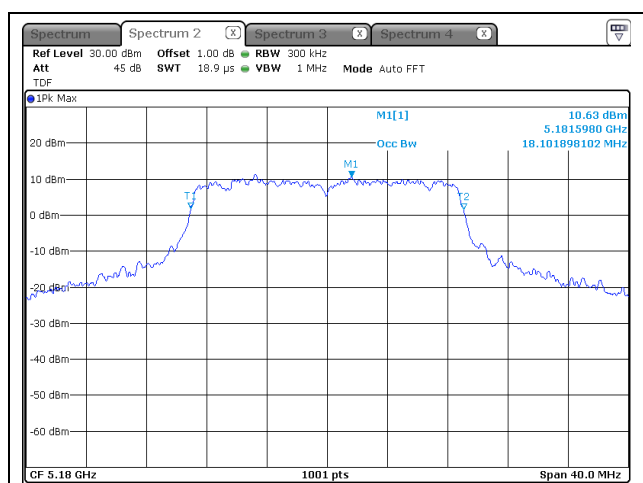
- 802.11n HT20

- 5 180 MHz

EBW



OBW



KCTL Inc.

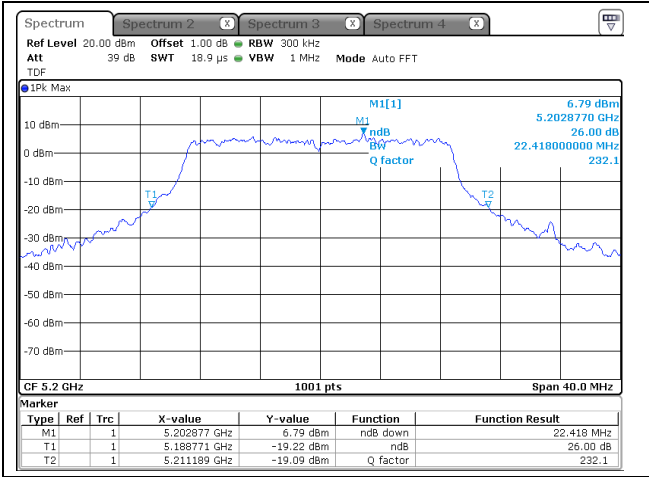
65, Sinwon-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 443-390, Korea
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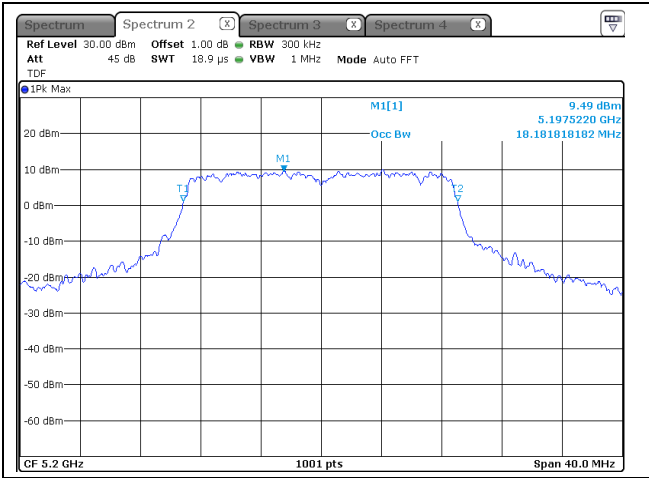
KCTL

- 5 200 MHz

EBW

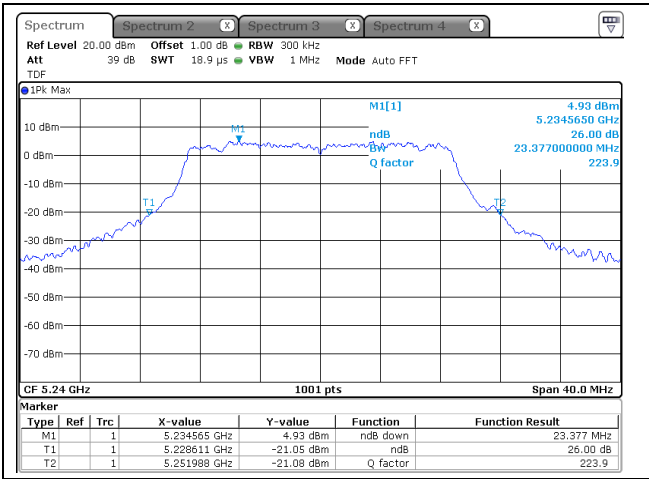


OBW

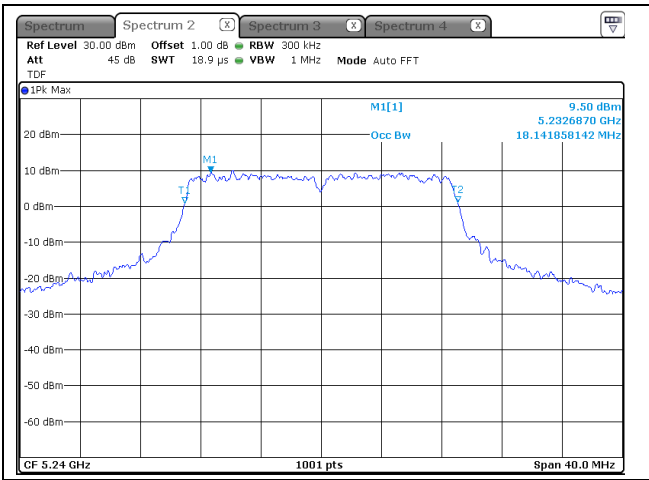


- 5 240 MHz

EBW



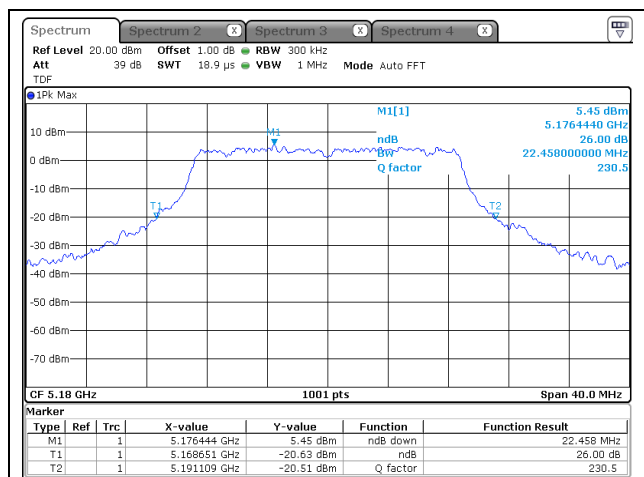
OBW



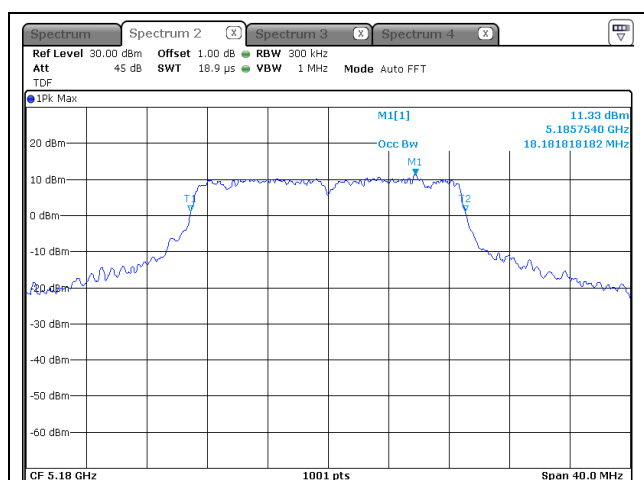
- 802.11ac VHT20

- 5 180 MHz

EBW



OBW



KCTL Inc.

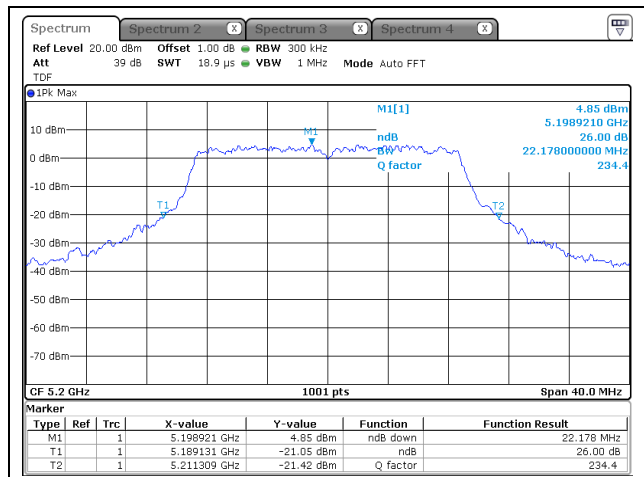
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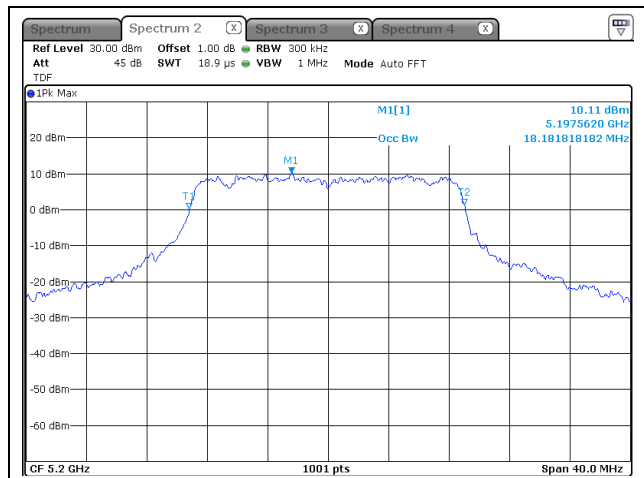
KCTL

- 5 200 MHz

EBW

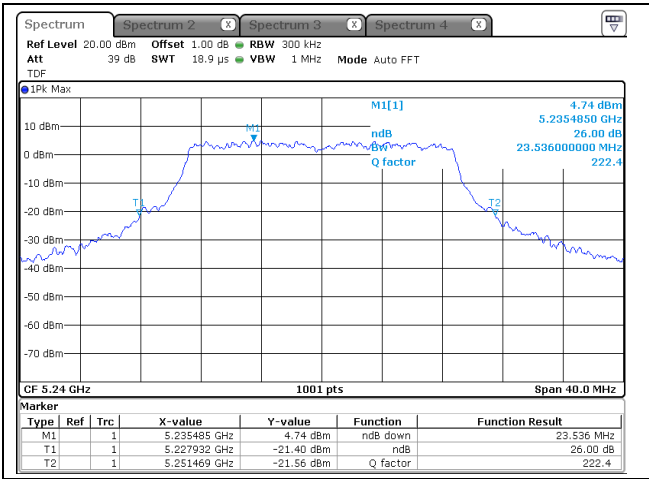


OBW

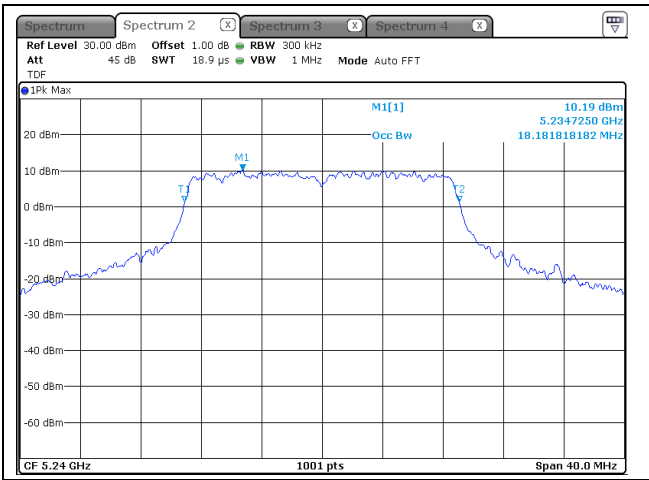


- 5 240 MHz

EBW



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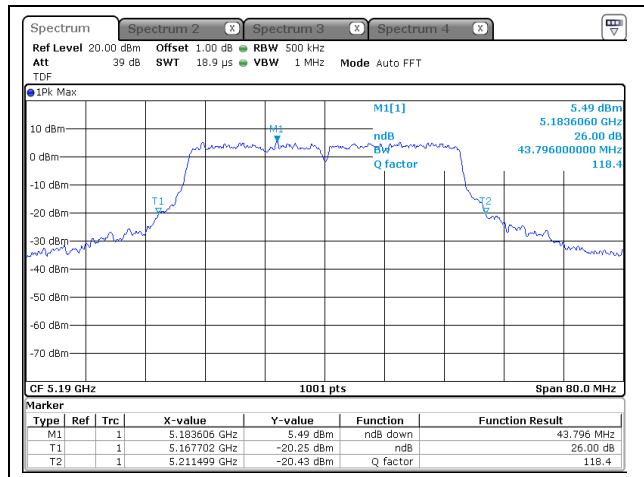
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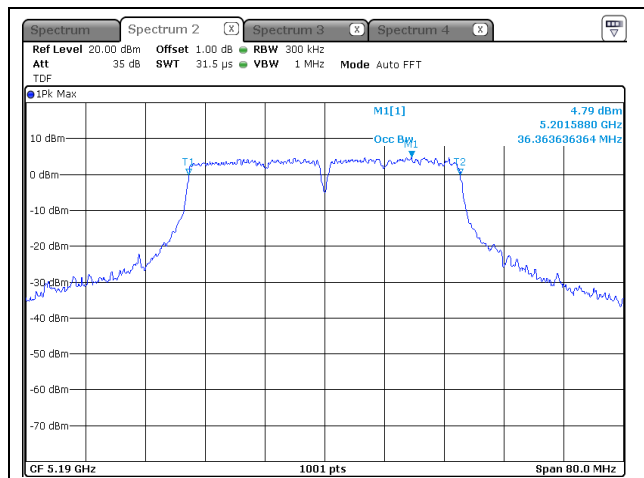
- 802.11n HT40

- 5 190 MHz

EBW



OBW



KCTL Inc.

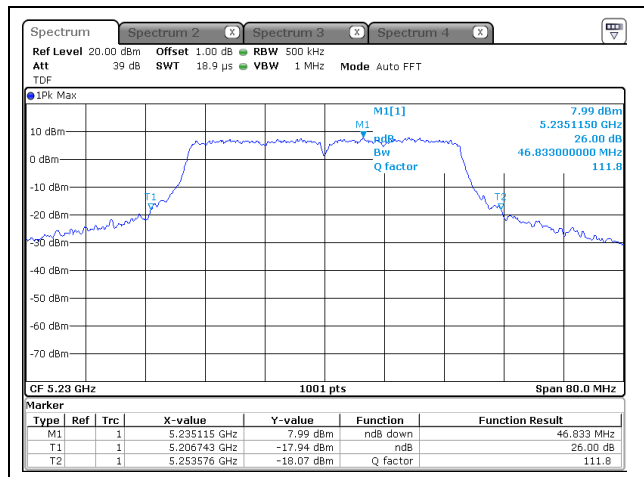
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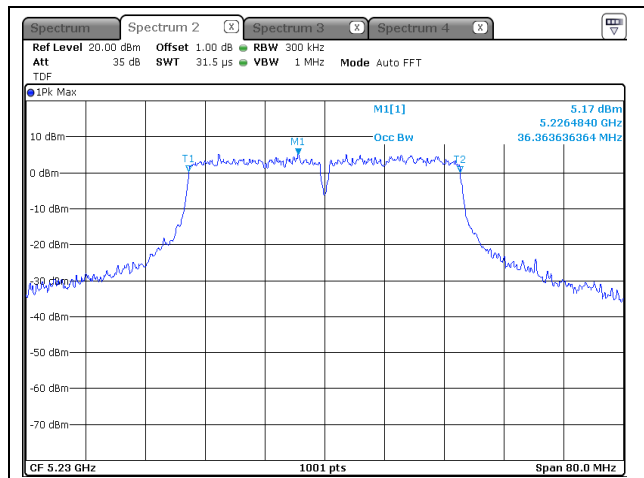


- 5 230 MHz

EBW



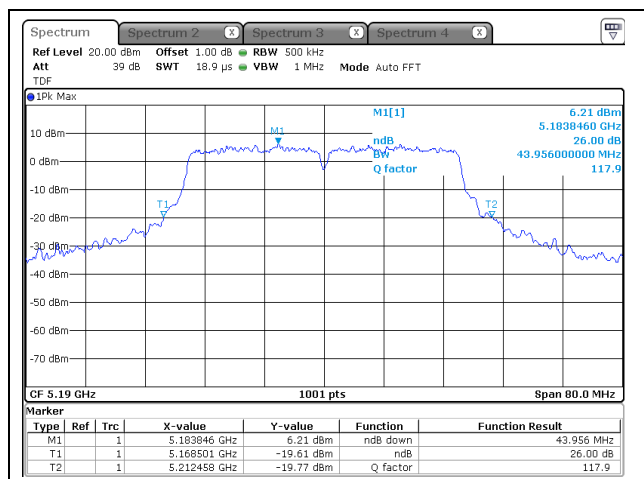
OBW



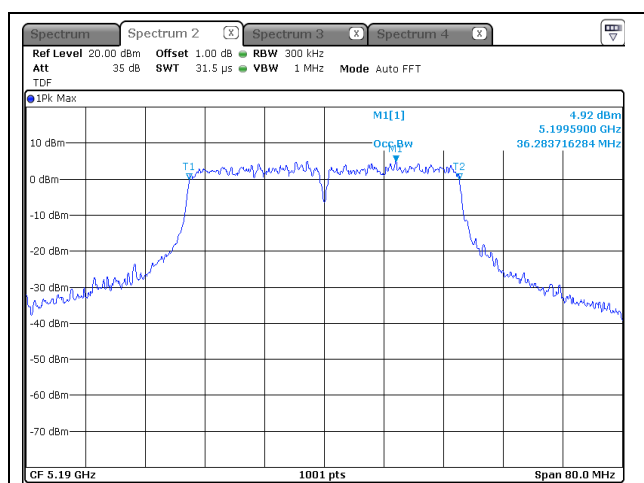
- 802.11ac VHT40

- 5 190 MHz

EBW



OBW



KCTL Inc.

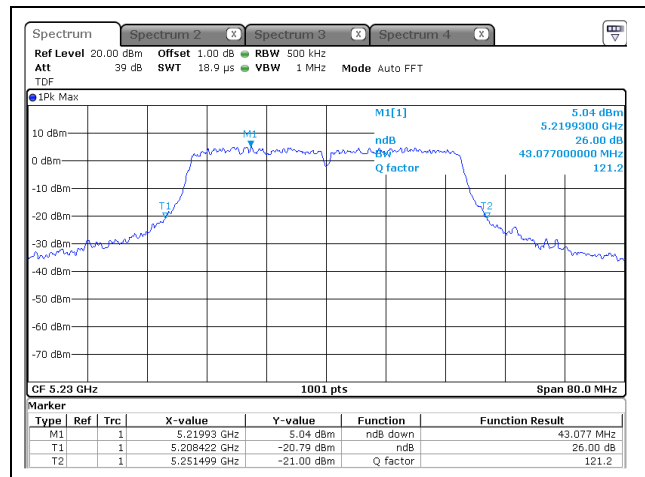
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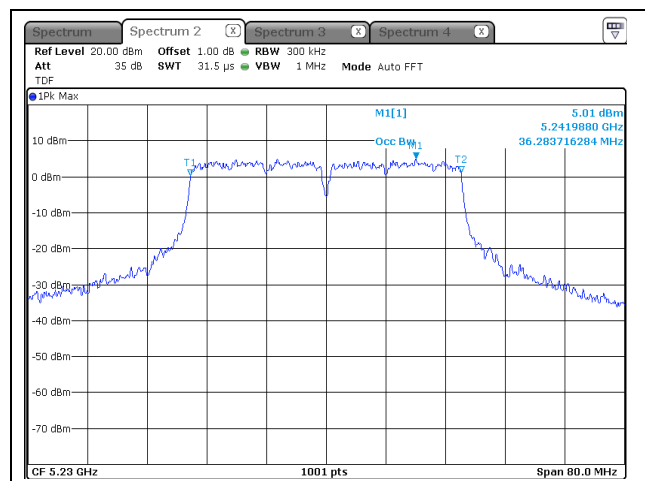
KCTL

- 5 230 MHz

EBW



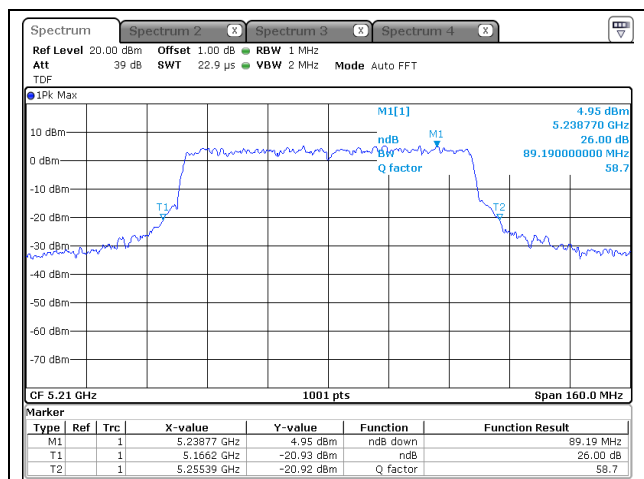
OBW



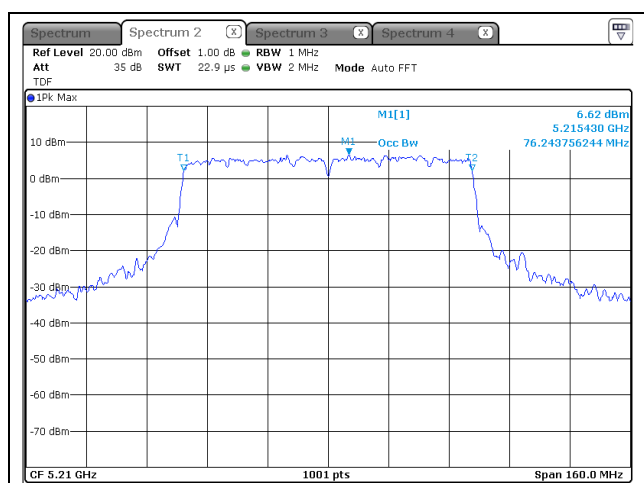
- 802.11ac VHT80

- 5 210 MHz

EBW



OBW



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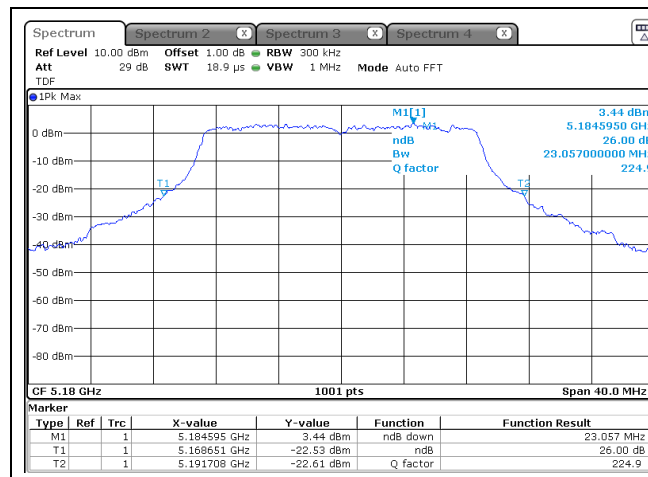
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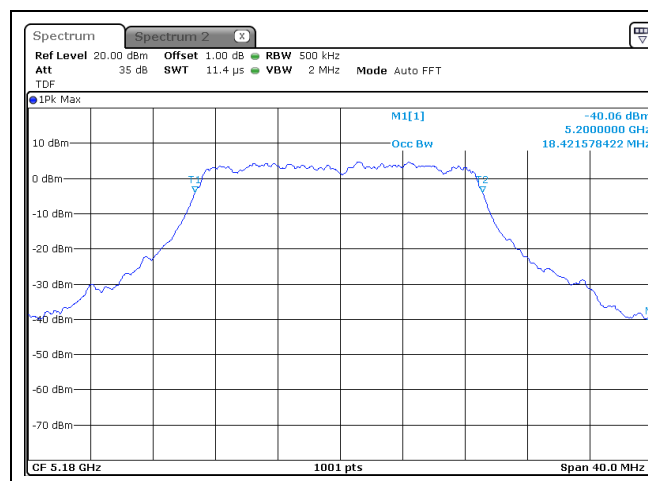
- 802.11n HT20_MIMO (ANT 1+2)

- 5 180 MHz

EBW



OBW



KCTL Inc.

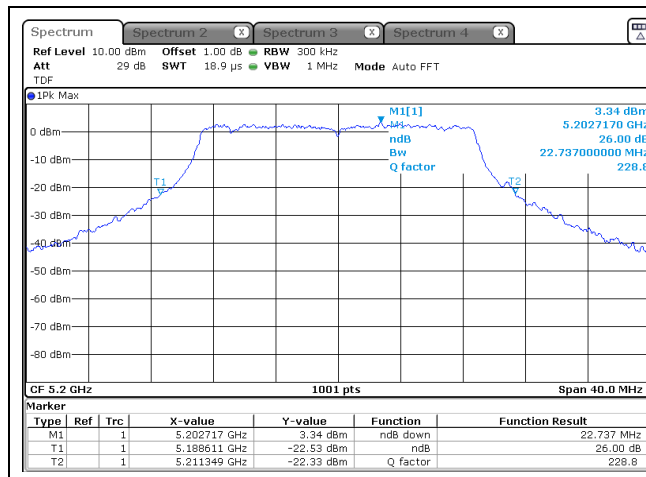
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Suwon-si, Gyeonggi-do, 443-390, Korea
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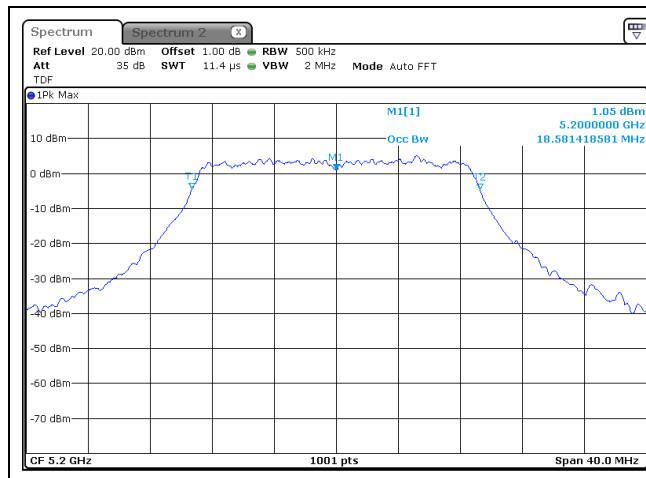


- 5 200 MHz

EBW



OBW



KCTL Inc.

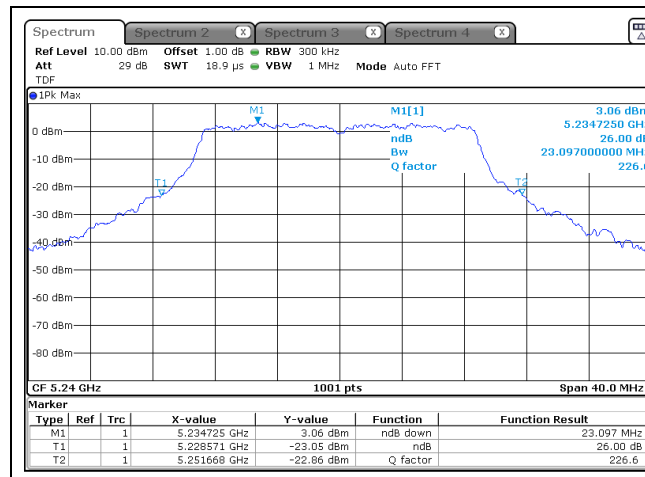
65, Sinwon-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 443-390, Korea
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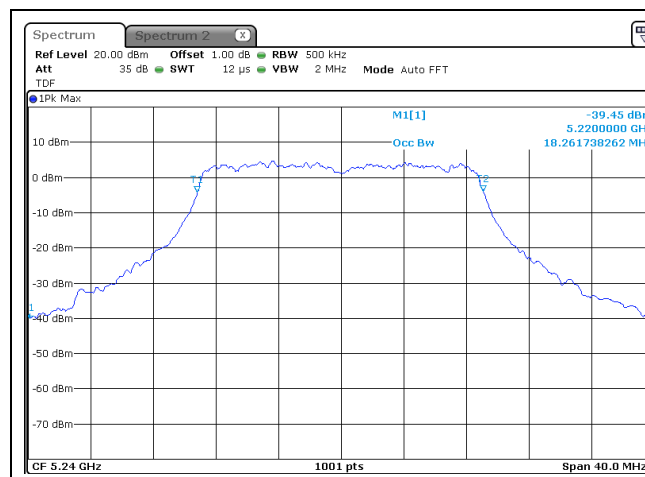


- 5 240 MHz

EBW



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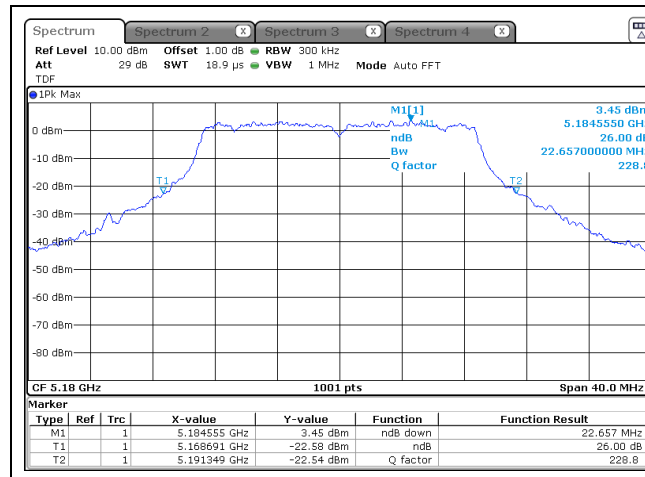
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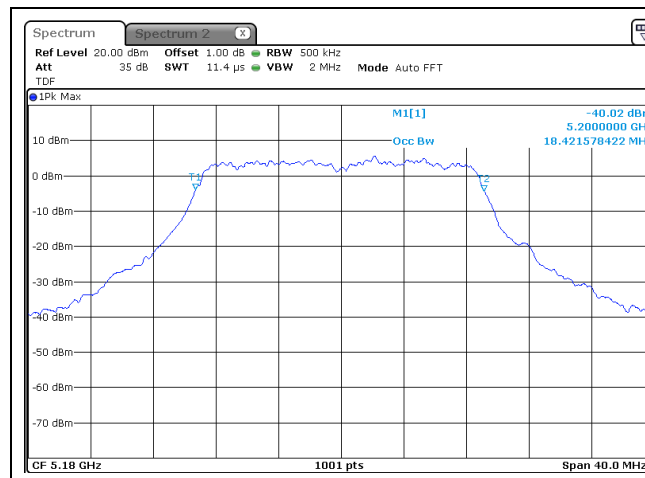
- 802.11ac VHT20_MIMO (ANT 1+2)

- 5 180 MHz

EBW



OBW



KCTL Inc.

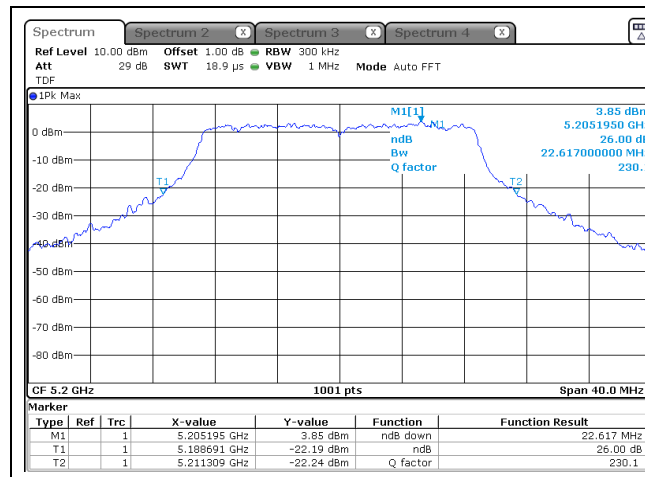
65, Sinwon-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 443-390, Korea
TEL: 82-70-5008-1021 FAX: 82-505-299-8311
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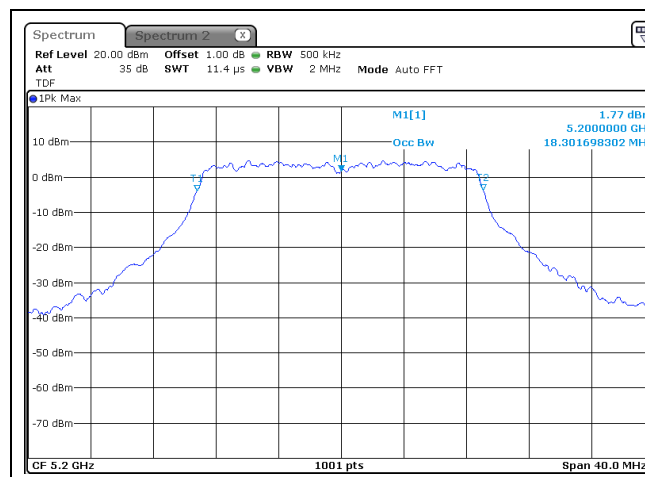
KCTL

- 5 200 MHz

EBW



OBW



KCTL Inc.

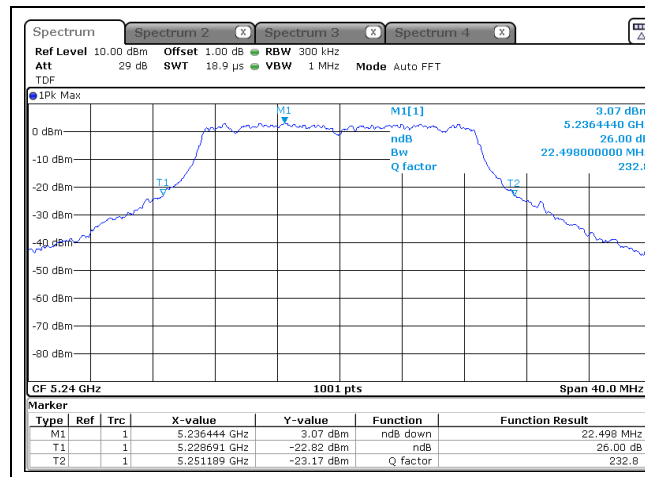
65, Sinwon-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 443-390, Korea
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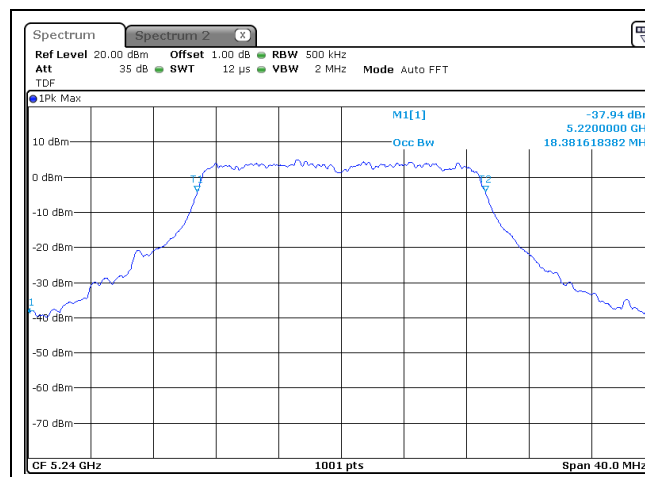


- 5 240 MHz

EBW



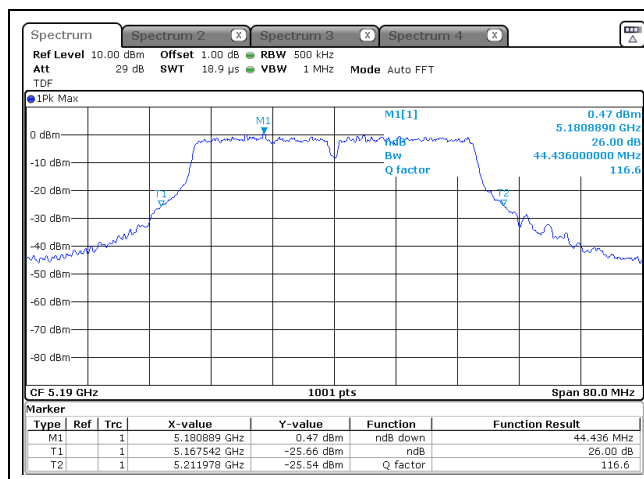
OBW



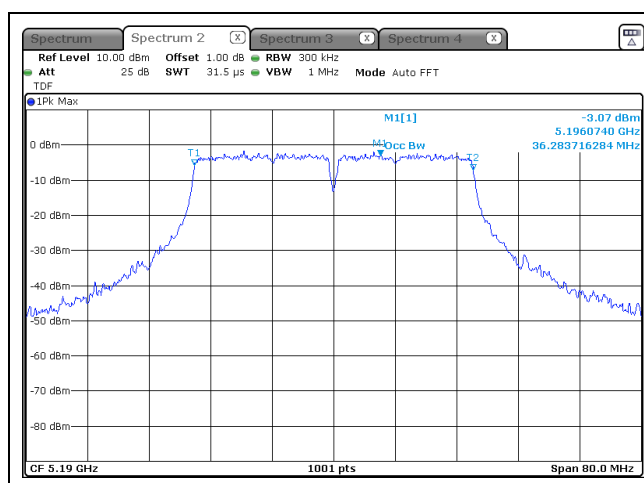
- 802.11n HT40_MIMO (ANT 1+2)

- 5 190 MHz

EBW



OBW



KCTL Inc.

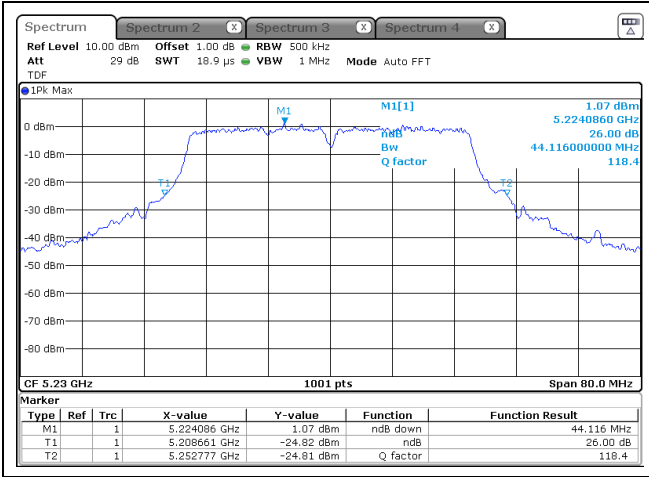
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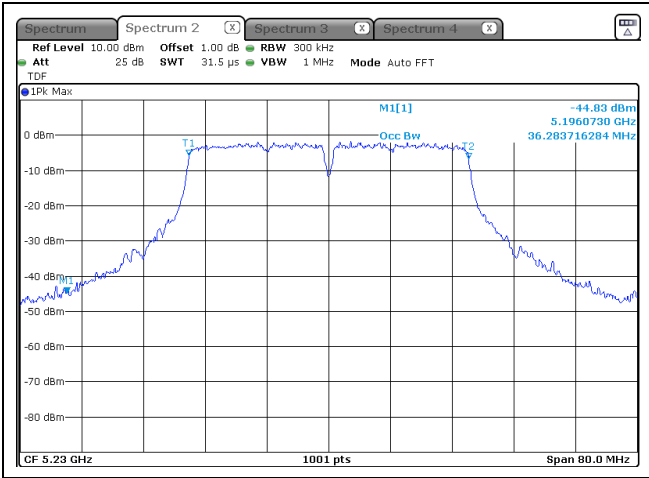


- 5 230 MHz

EBW



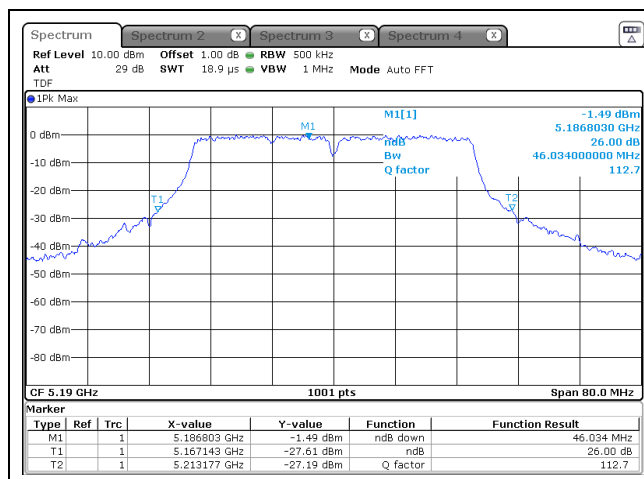
OBW



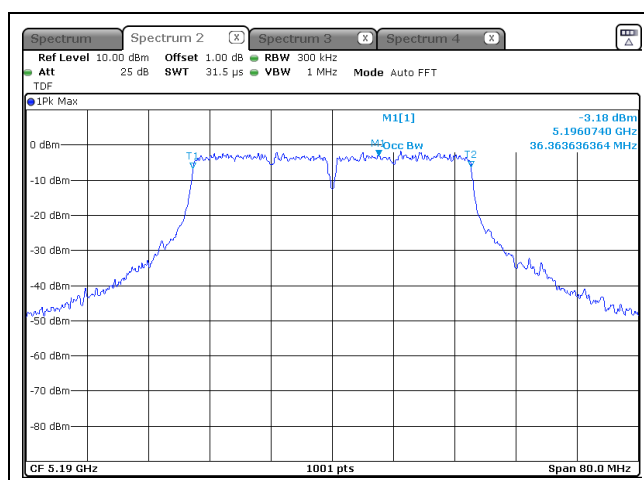
- 802.11ac VHT40_MIMO (ANT 1+2)

- 5 190 MHz

EBW



OBW



KCTL Inc.

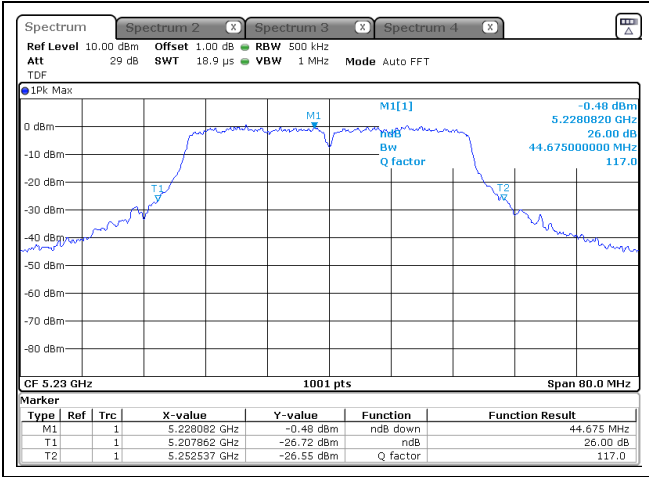
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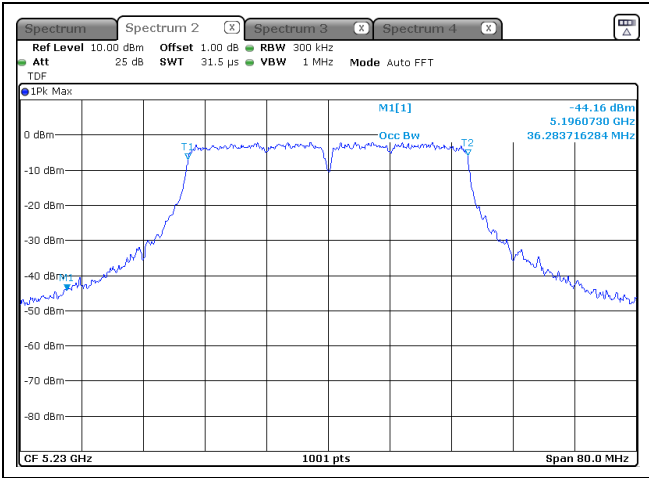


- 5 230 MHz

EBW



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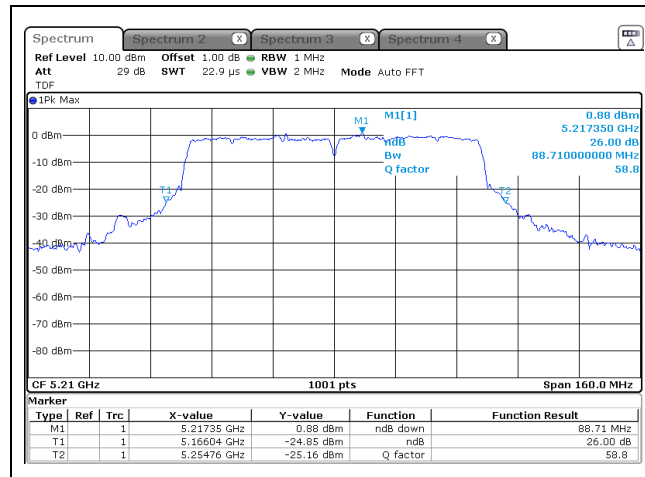
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KCTL

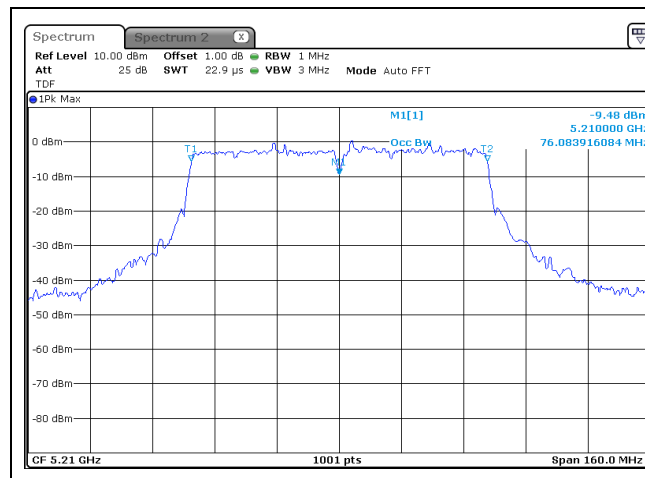
- 802.11ac VHT80_MIMO (ANT 1+2)

- 5 210 MHz

EBW



OBW



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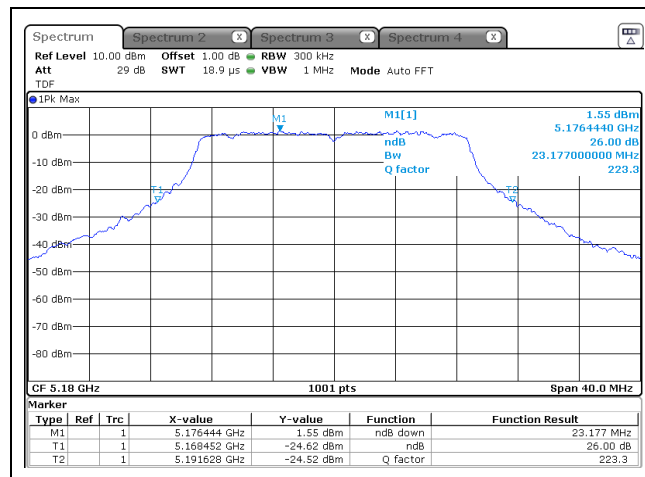
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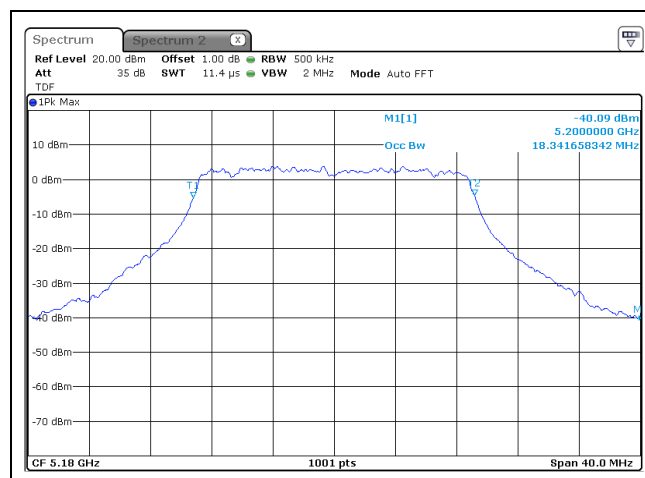
- 802.11n HT20_MIMO (ANT 1+2+3)

- 5 180 MHz

EBW



OBW



KCTL Inc.

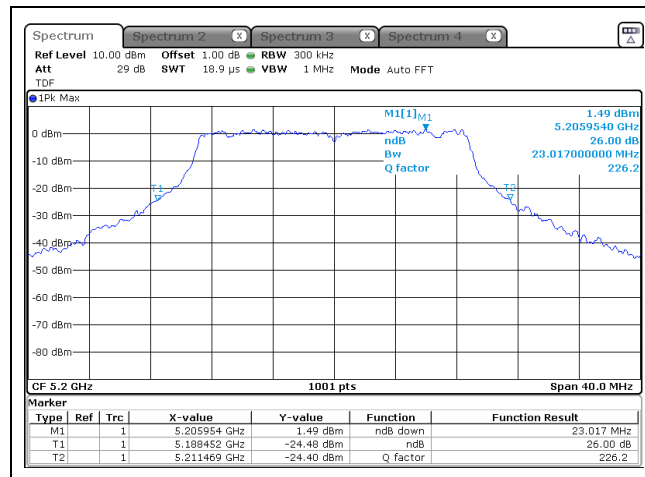
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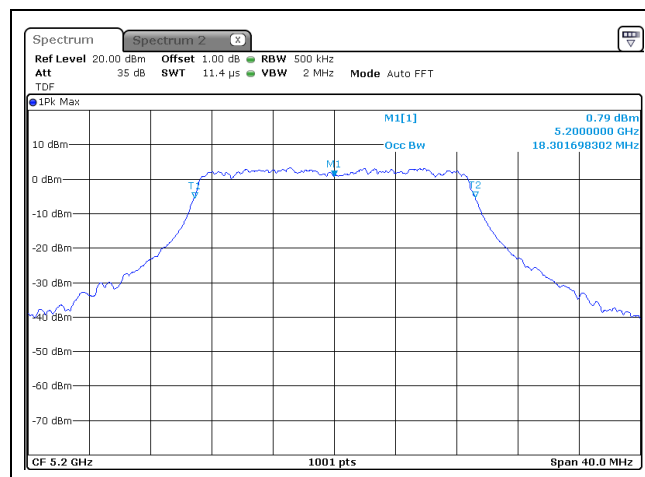


- 5 200 MHz

EBW



OBW



KCTL Inc.

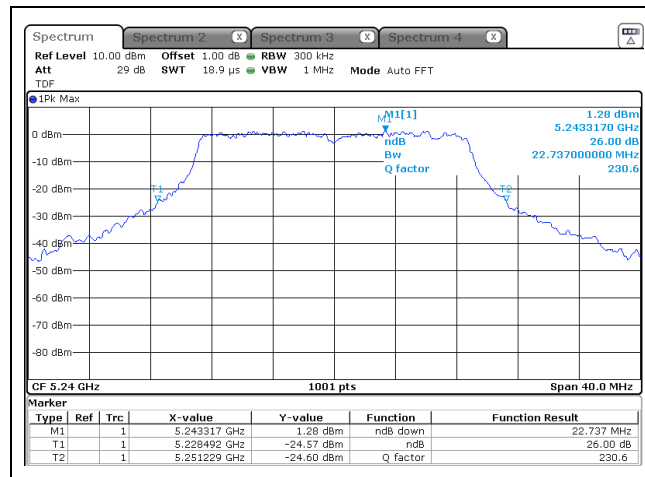
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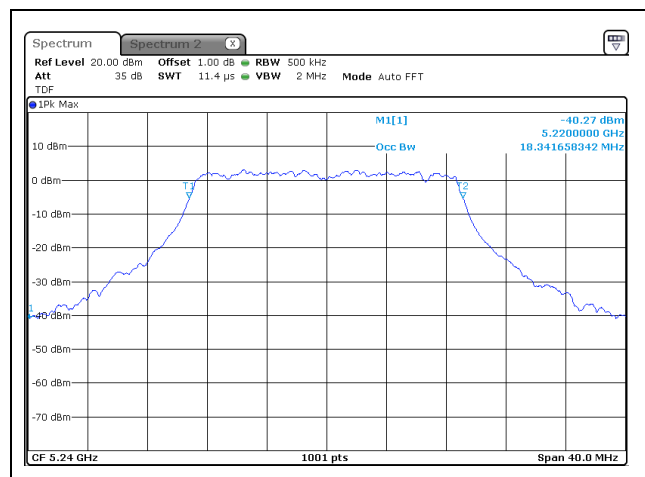


- 5 240 MHz

EBW



OBW



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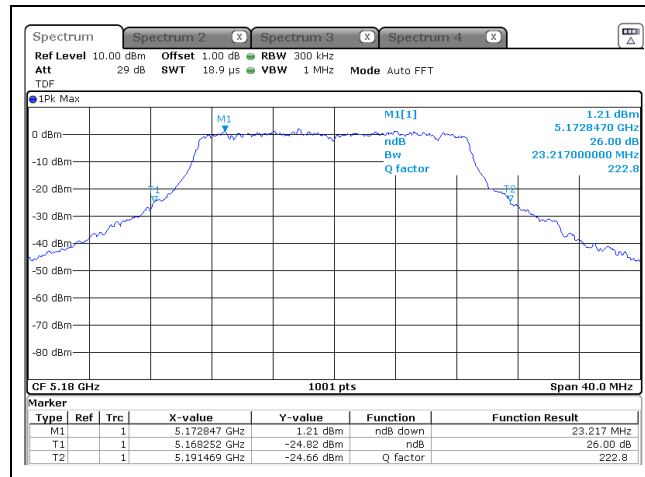
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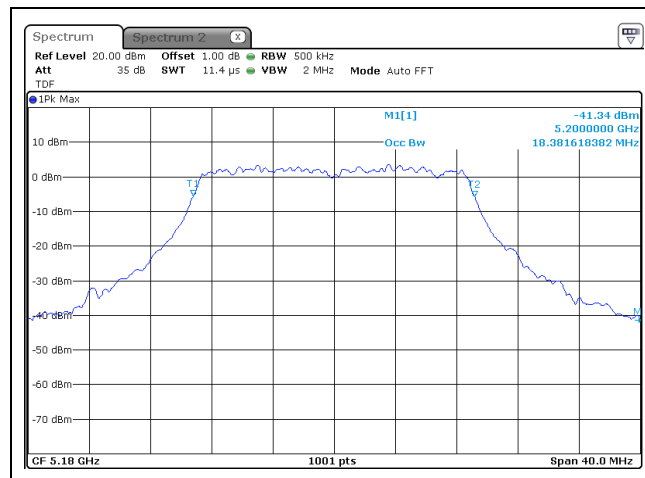
- 802.11ac VHT20_MIMO (ANT 1+2+3)

- 5 180 MHz

EBW



OBW



KCTL Inc.

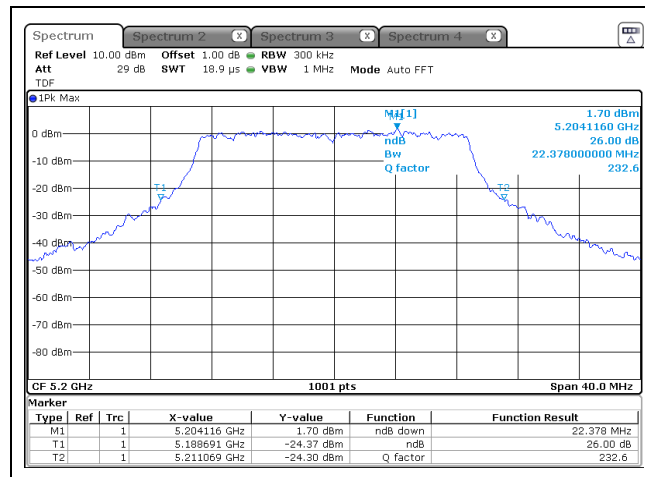
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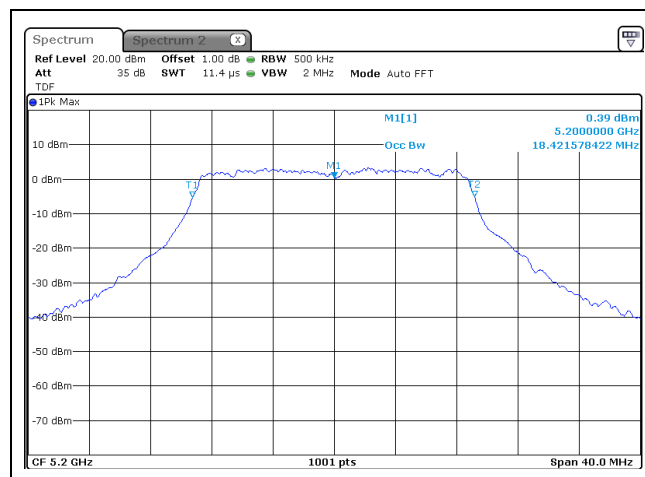


- 5 200 MHz

EBW



OBW



KCTL Inc.

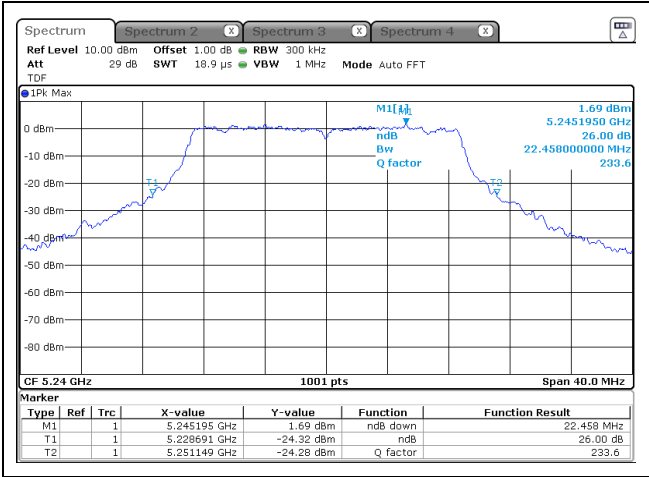
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Suwon-si, Gyeonggi-do, 443-390, Korea
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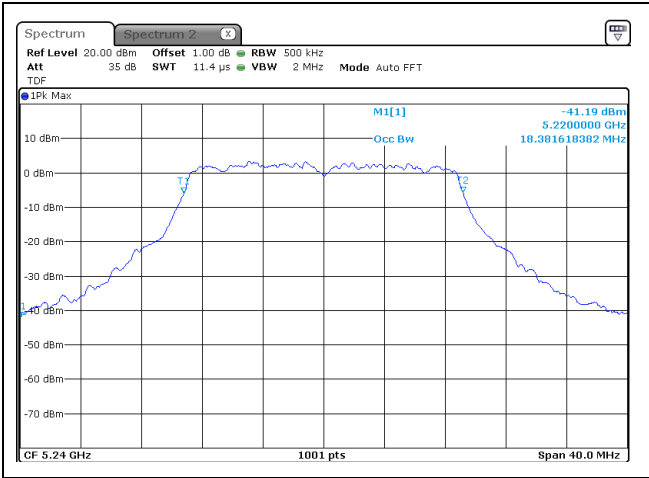


- 5 240 MHz

EBW



OBW



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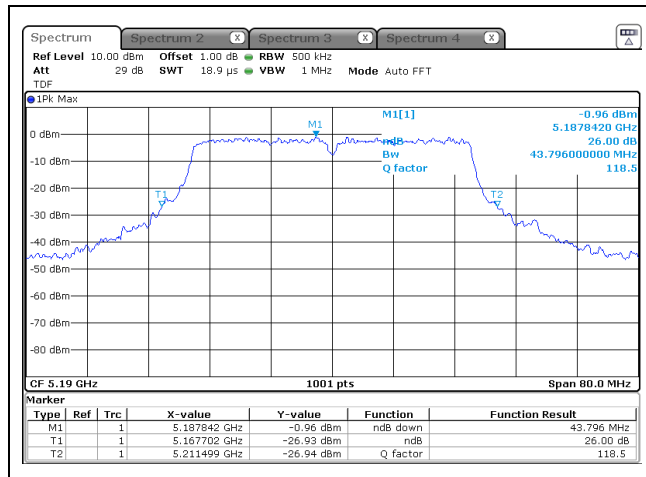
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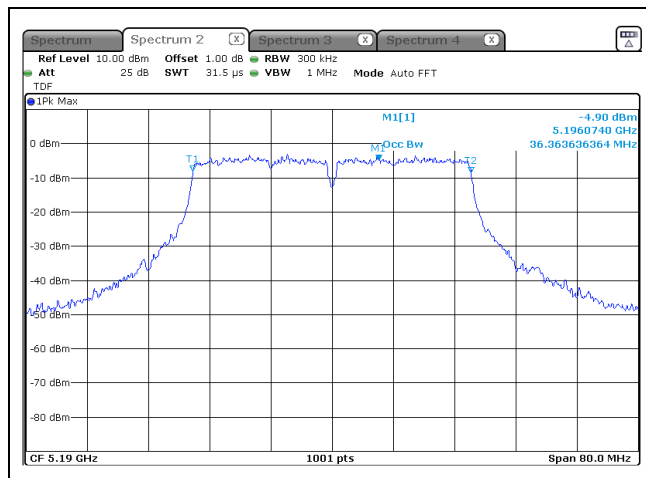
- 802.11n HT40_MIMO (ANT 1+2+3)

- 5 190 MHz

EBW



OBW



KCTL Inc.

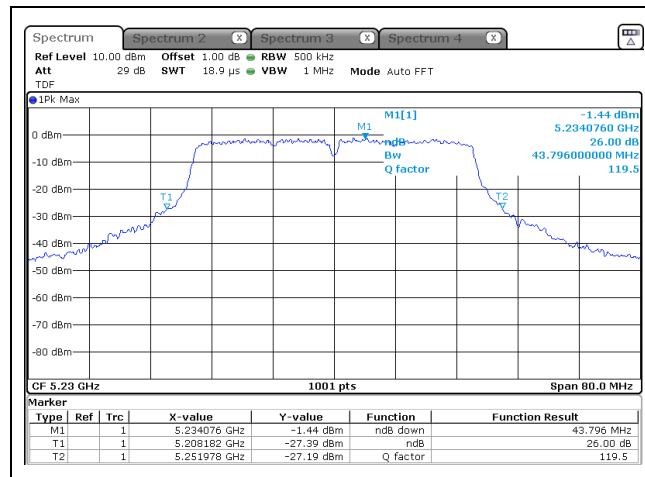
65, Sinwon-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 443-390, Korea
TEL: 82-70-5008-1021 FAX: 82-505-299-8311
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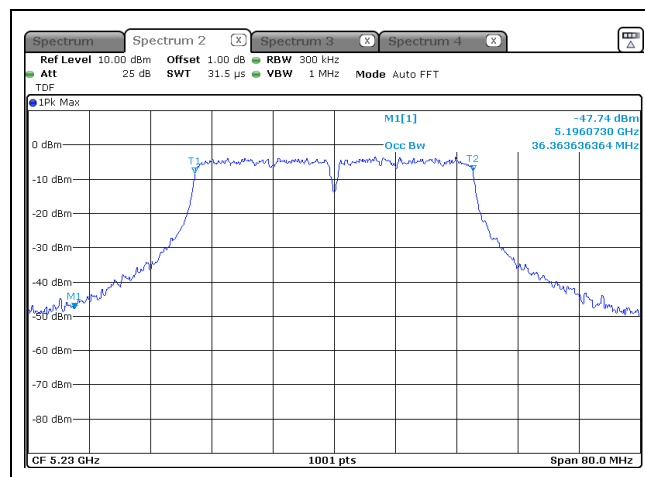


- 5 230 MHz

EBW



OBW



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Suwon-si, Gyeonggi-do, 443-390, Korea
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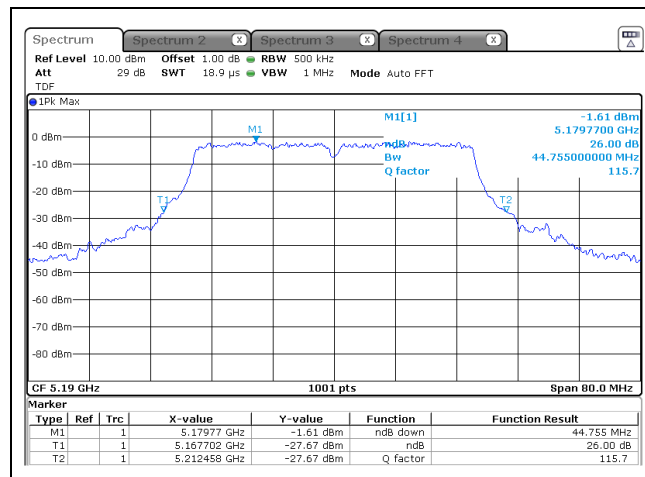
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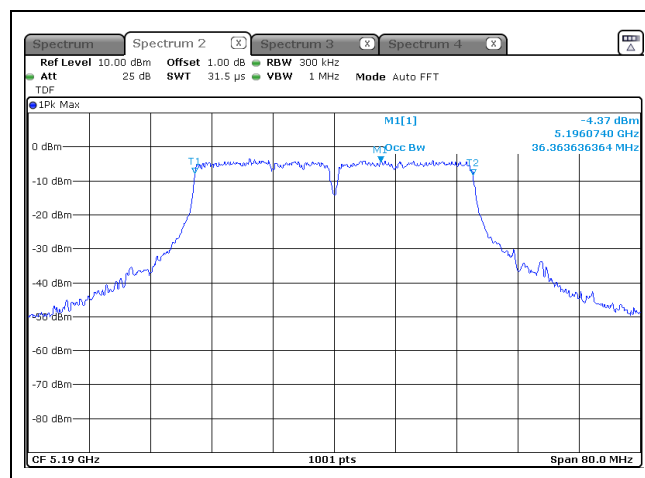
- 802.11ac VHT40_MIMO (ANT 1+2+3)

- 5 190 MHz

EBW



OBW



KCTL Inc.

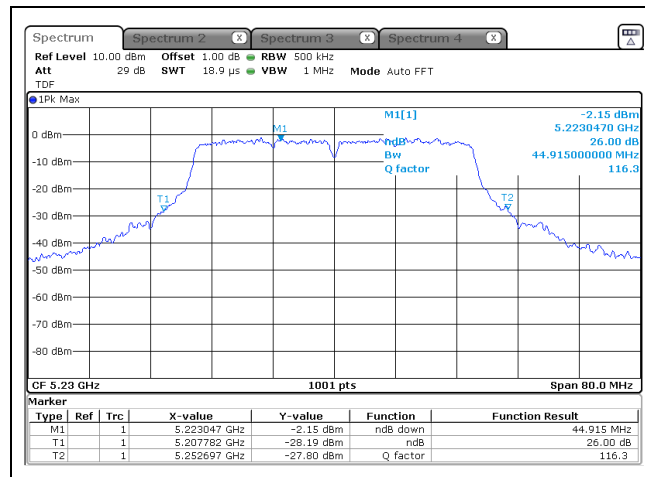
65, Sinwon-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 443-390, Korea
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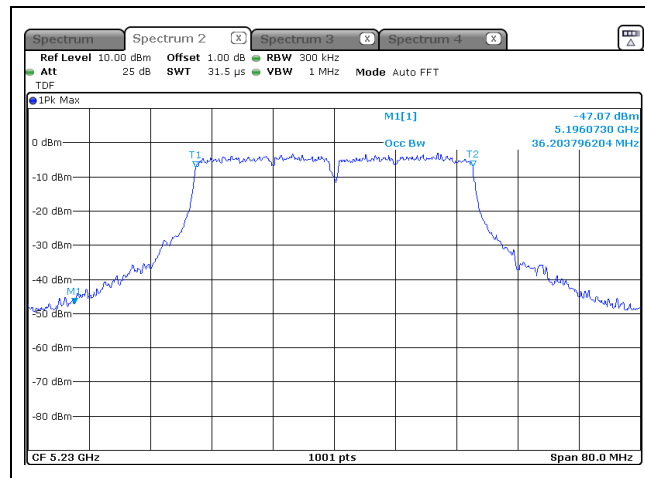


- 5 230 MHz

EBW



OBW



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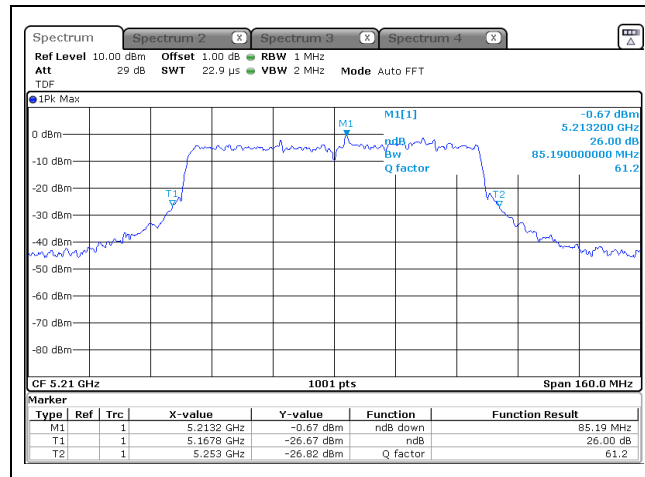
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KCTL

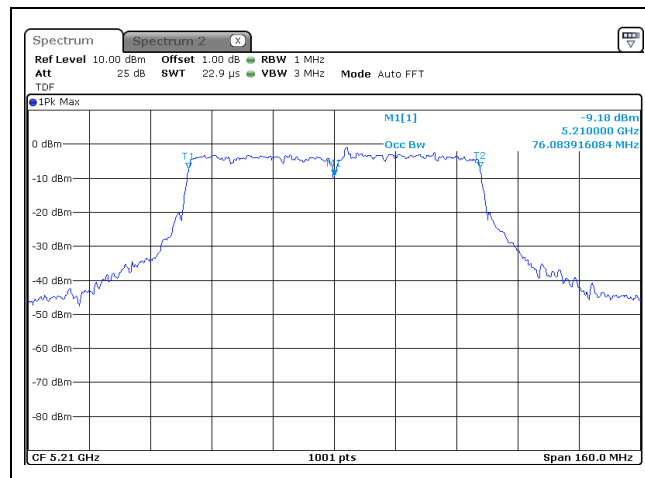
- 802.11ac VHT80_MIMO (ANT 1+2+3)

- 5 210 MHz

EBW



OBW



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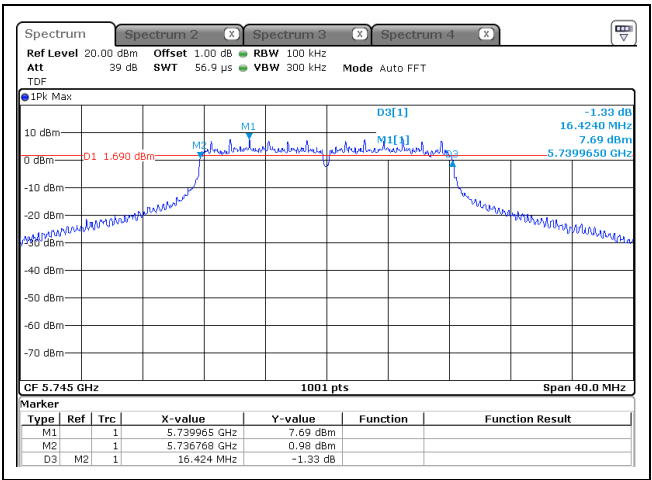
- 5 725 Band

Ant 1

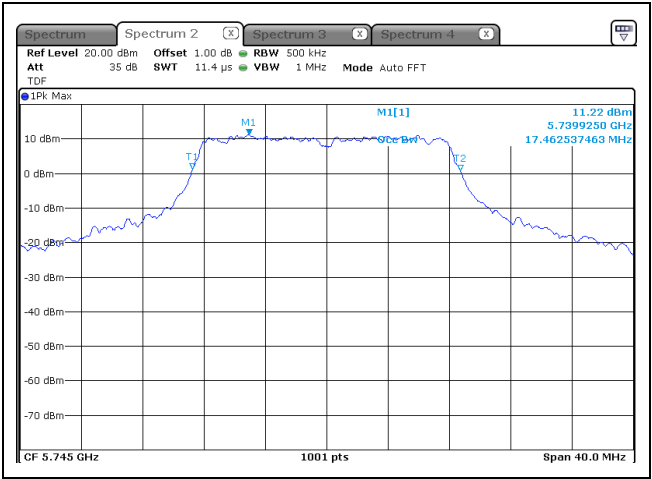
- 802.11a

- 5 745 MHz

EBW



OBW



KCTL Inc.

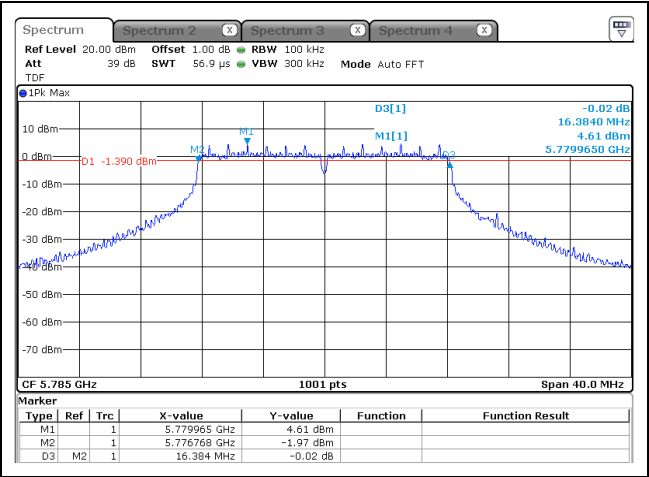
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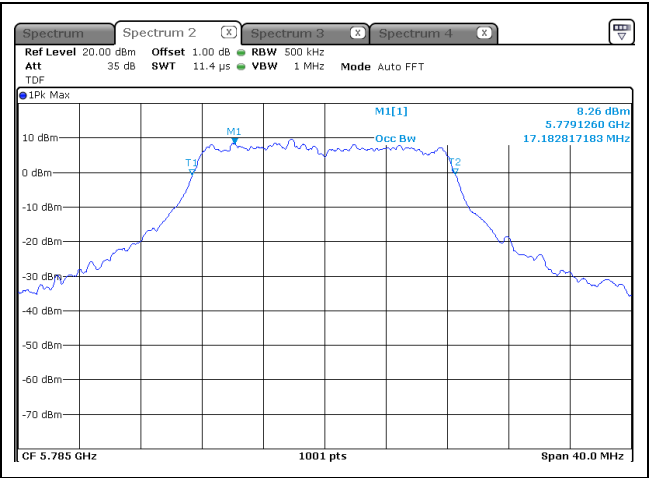


- 5 785 MHz

EBW



OBW



KCTL Inc.

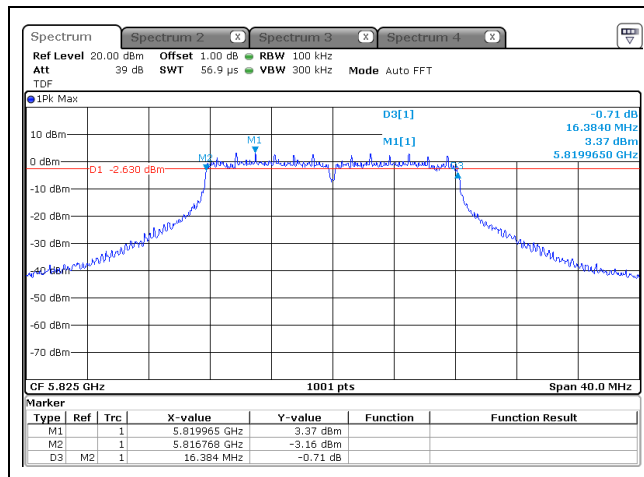
65, Sinwon-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 443-390, Korea
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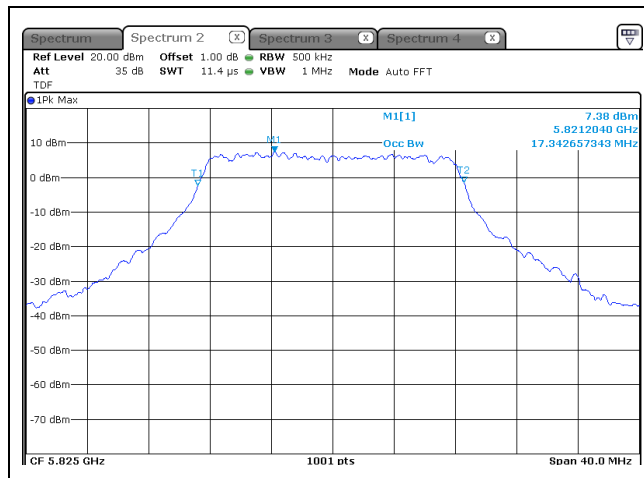


- 5 825 MHz

EBW



OBW



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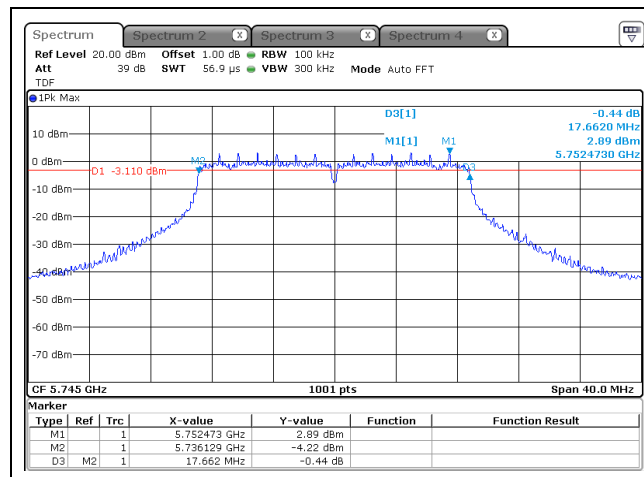
Report No.:
KR16-SRF0013
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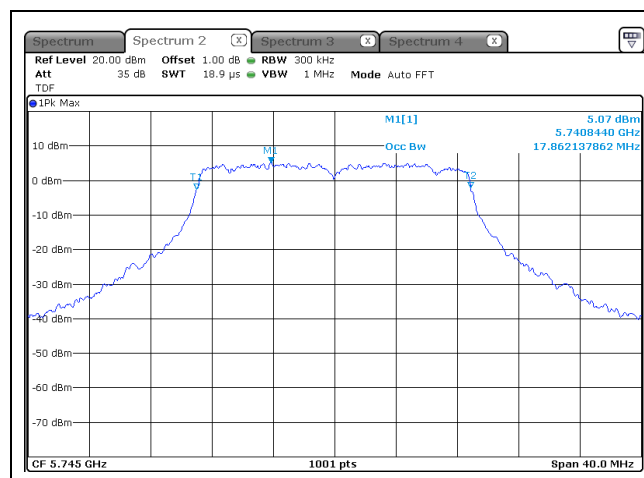
- 802.11n HT20

- 5 745 MHz

EBW

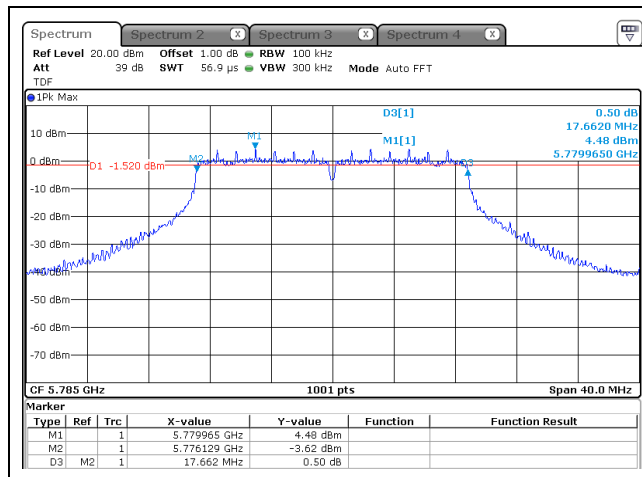


OBW

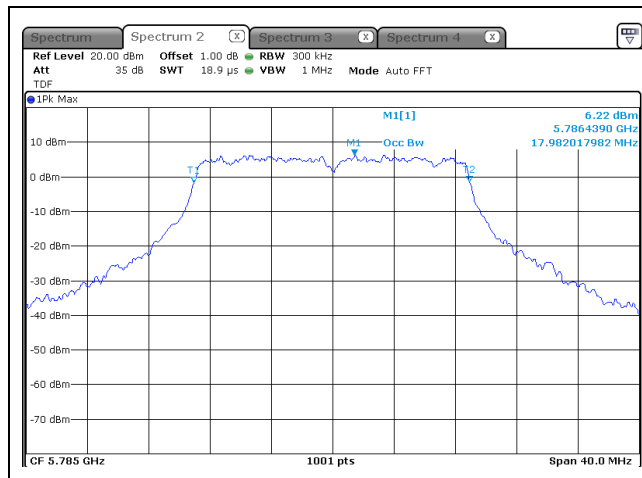


- 5 785 MHz

EBW



OBW



KCTL Inc.

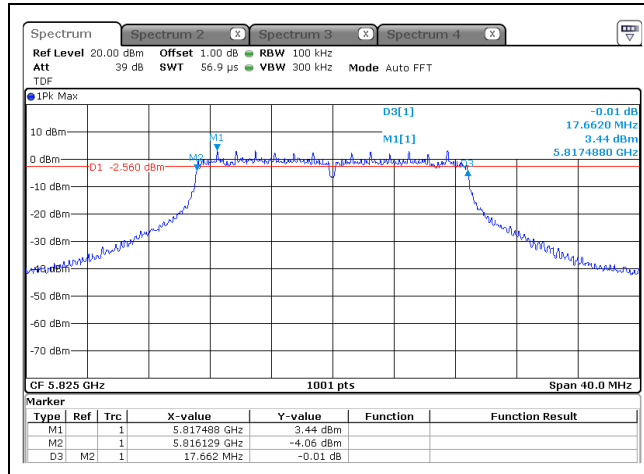
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Suwon-si, Gyeonggi-do, 443-390, Korea
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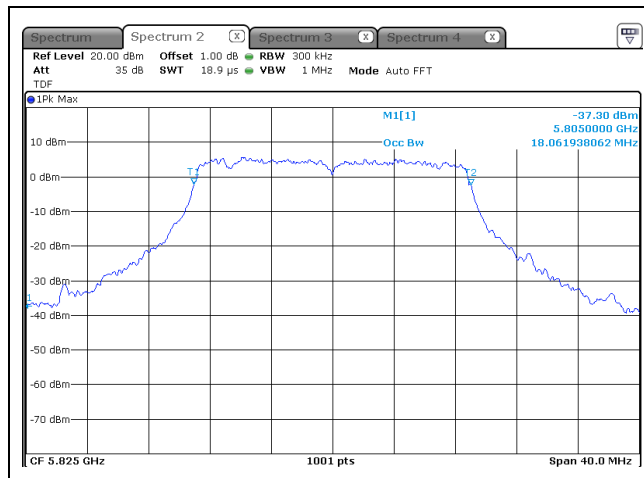


- 5 825 MHz

EBW



OBW



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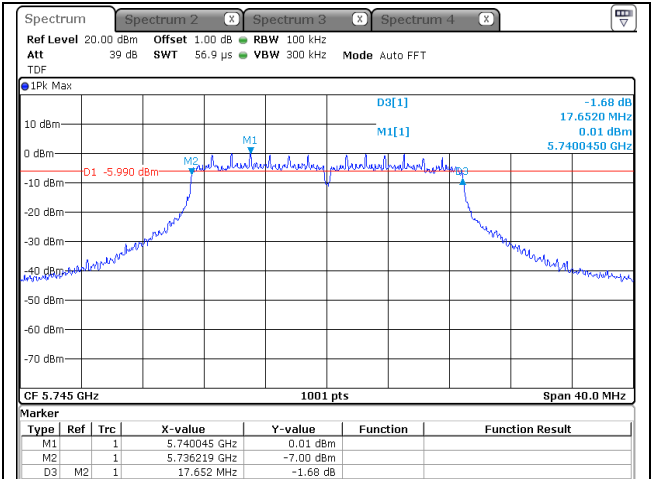
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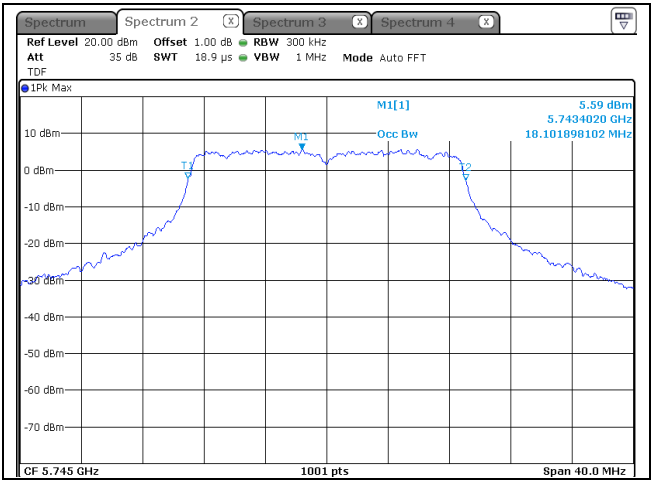
- 802.11ac VTH20

- 5 745 MHz

EBW



OBW



KCTL Inc.

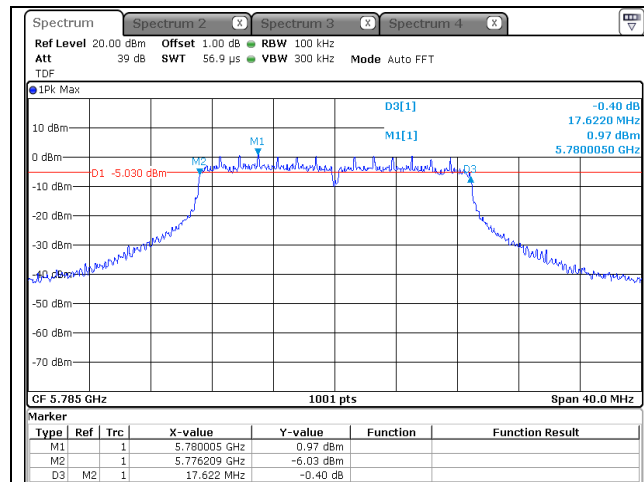
65, Sinwon-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 443-390, Korea
TEL: 82-70-5008-1021 FAX: 82-505-299-8311
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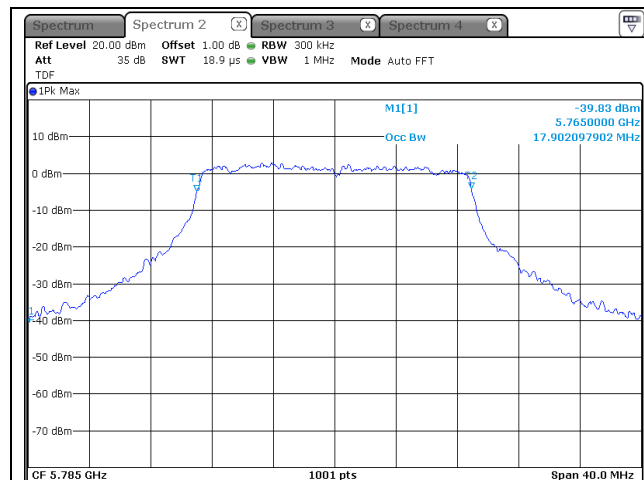


- 5 785 MHz

EBW



OBW



KCTL Inc.

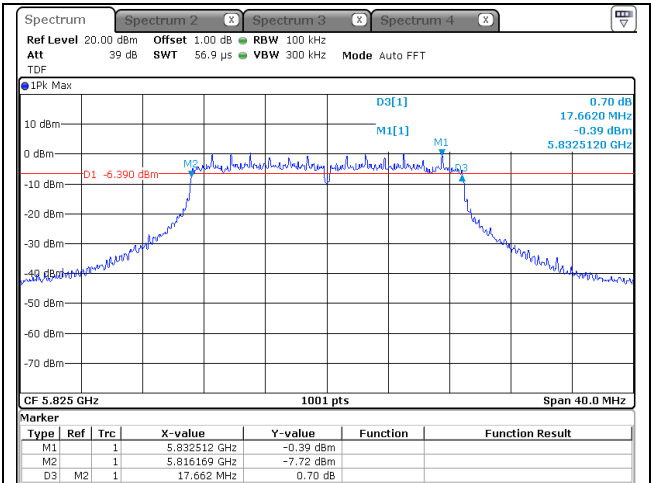
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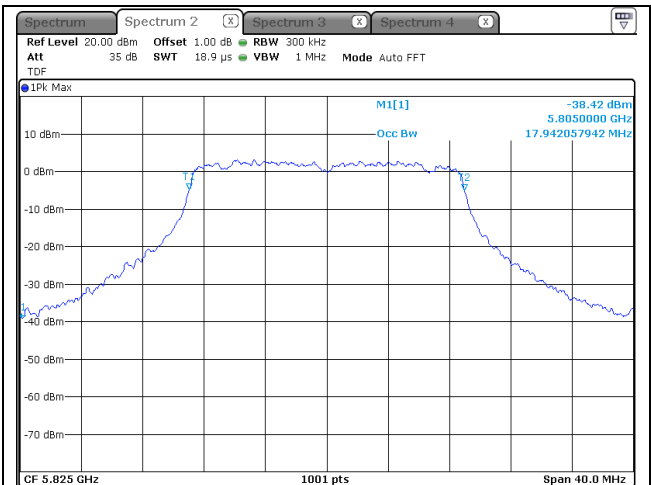


- 5 825 MHz

EBW



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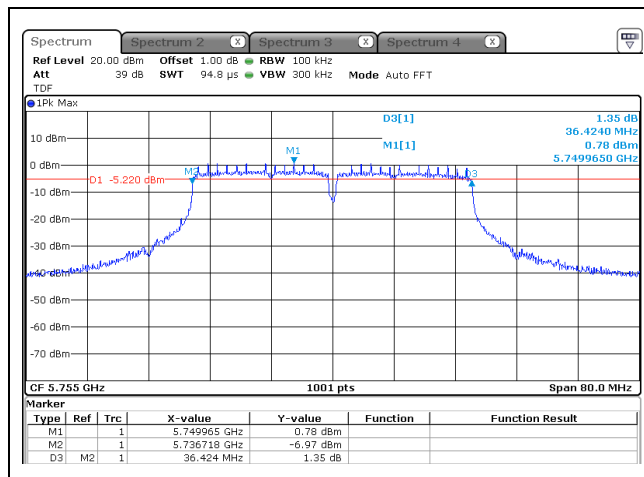
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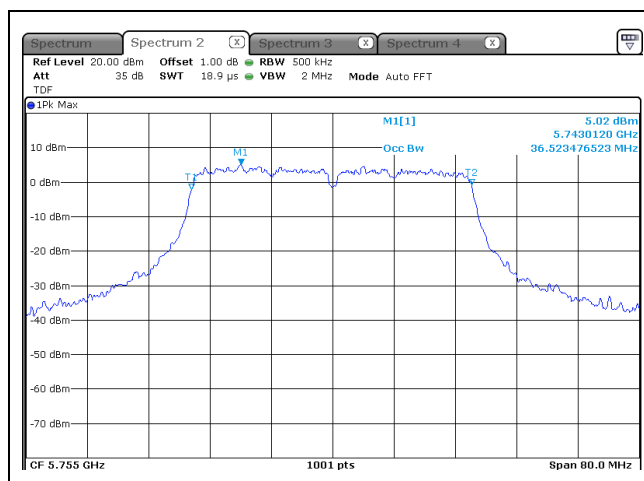
- 802.11n HT40

- 5 755 MHz

EBW

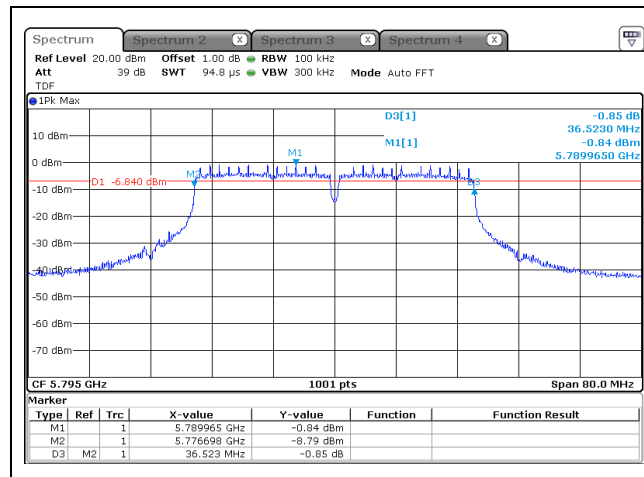


OBW

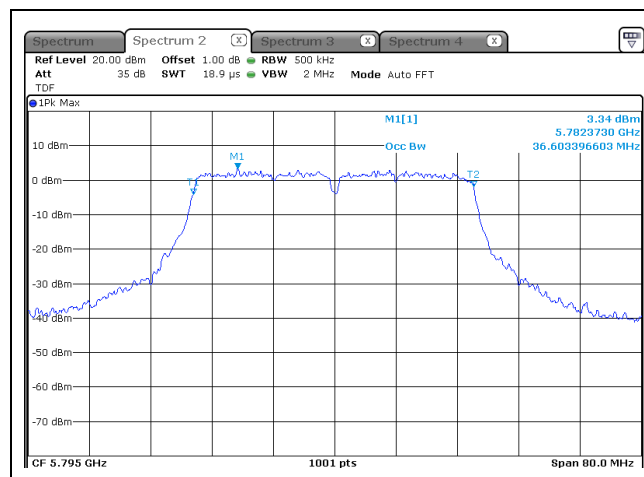


- 5 795 MHz

EBW



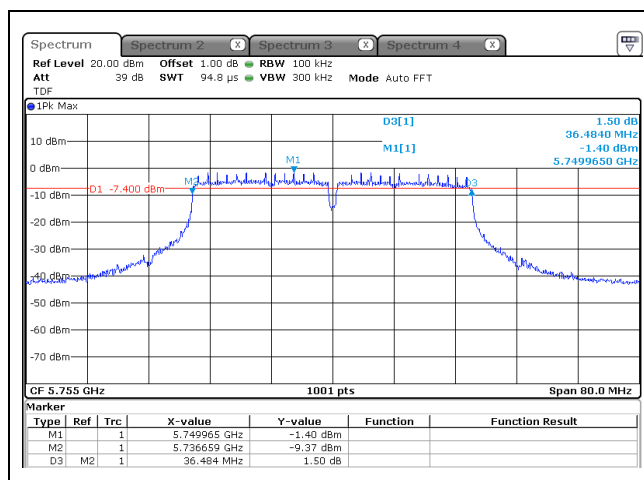
OBW



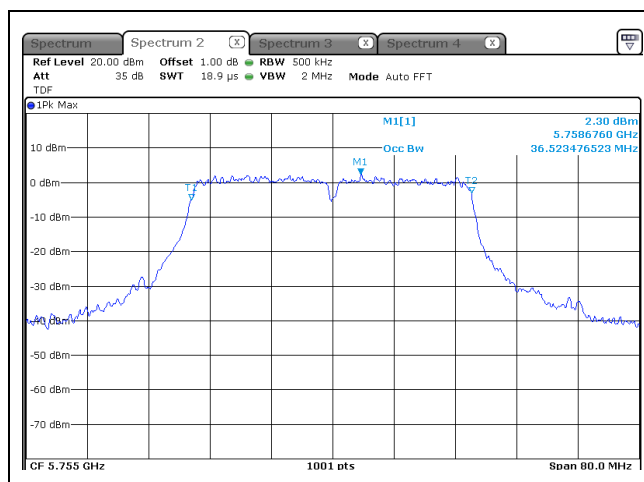
- 802.11ac VHT40

- 5 755 MHz

EBW



OBW



KCTL Inc.

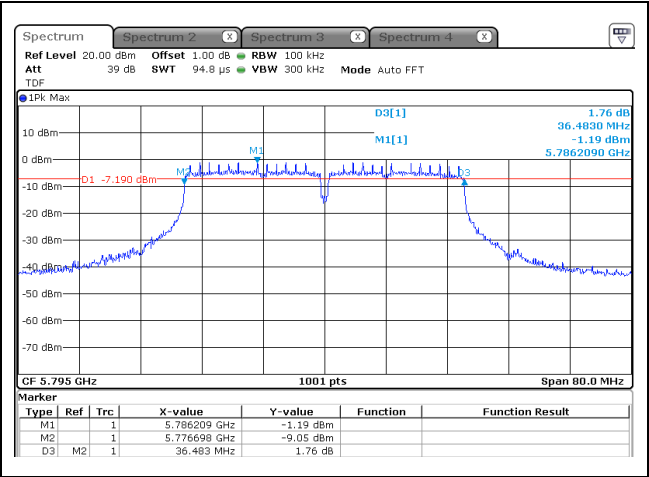
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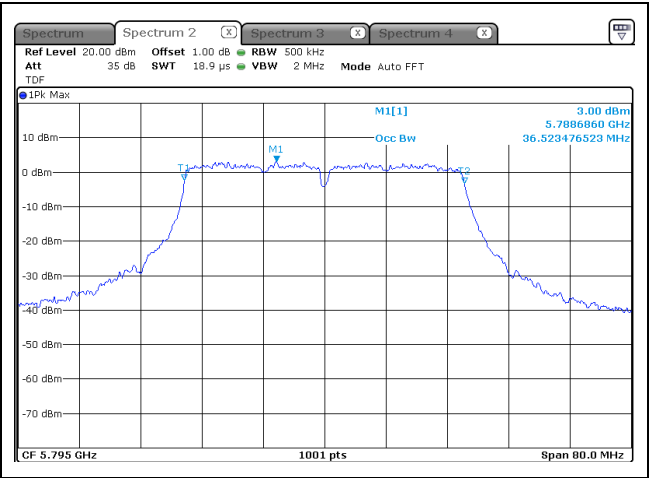


- 5 795 MHz

EBW



OBW



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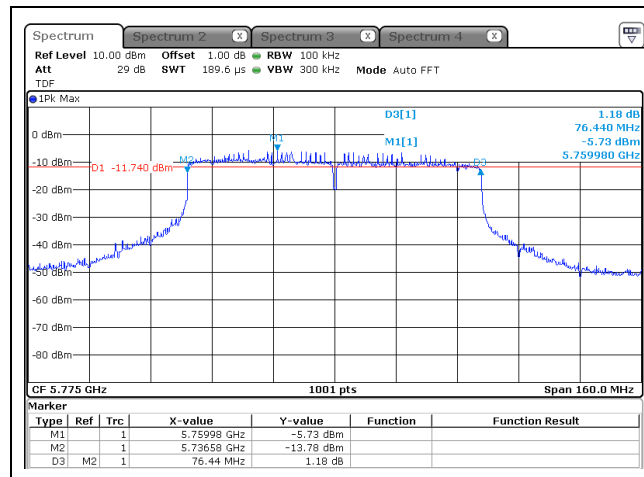
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KCTL

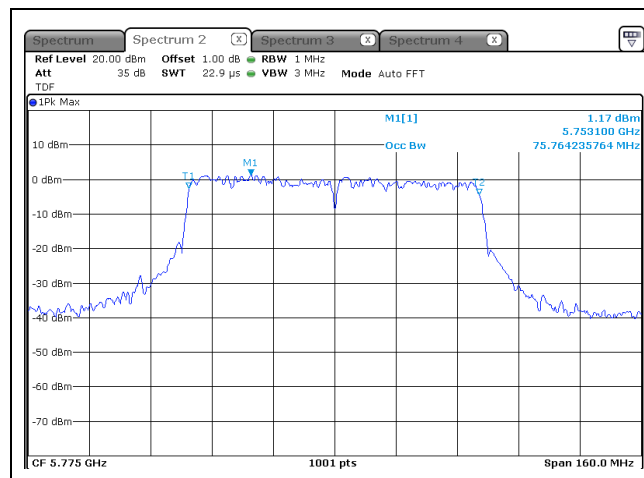
- 802.11ac VHT80

- 5 775 MHz

EBW



OBW



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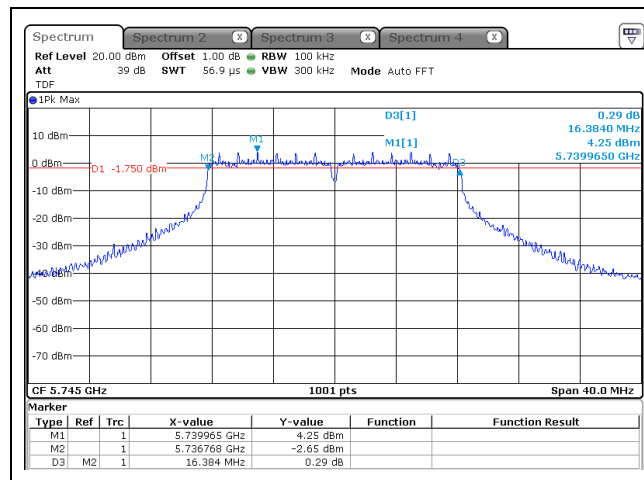


Ant 2

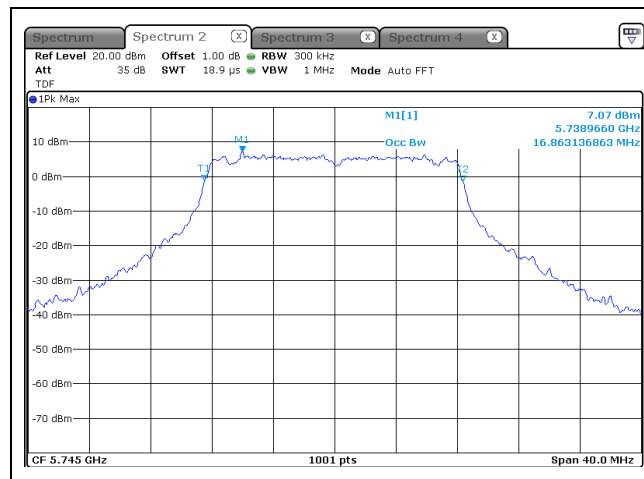
- 802.11a

- 5 745 MHz

EBW

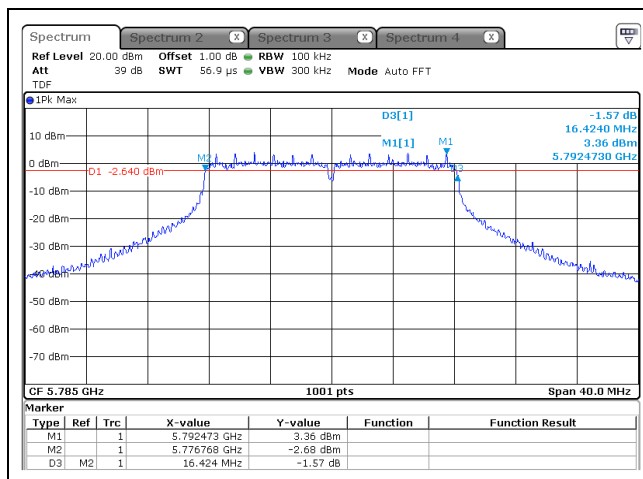


OBW

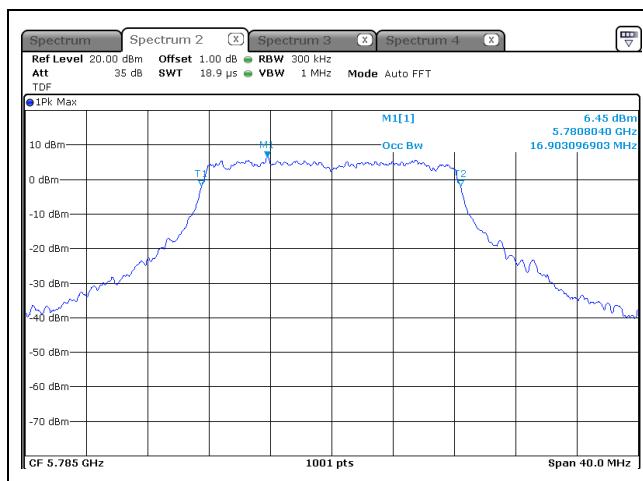


- 5 785 MHz

EBW



OBW



KCTL Inc.

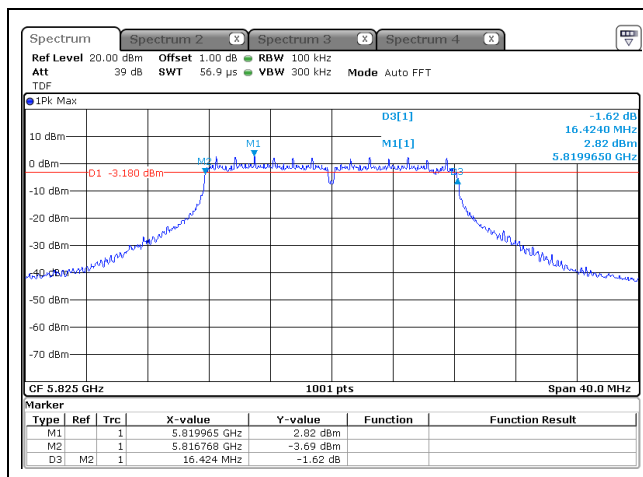
65, Sinwon-ro, Yeongtong-gu,
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TEL: 82-70-5008-1021 FAX: 82-505-299-8311
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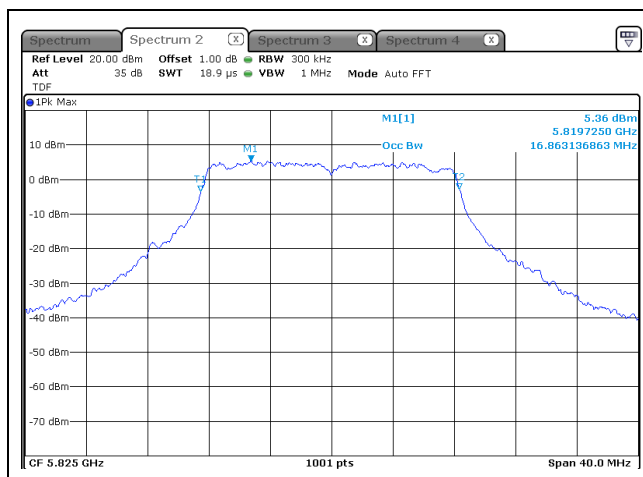


- 5 825 MHz

EBW



OBW



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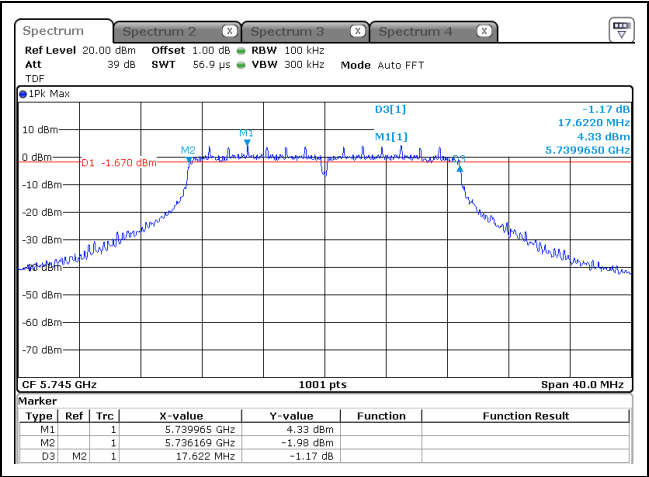
Report No.:
KR16-SRF0013
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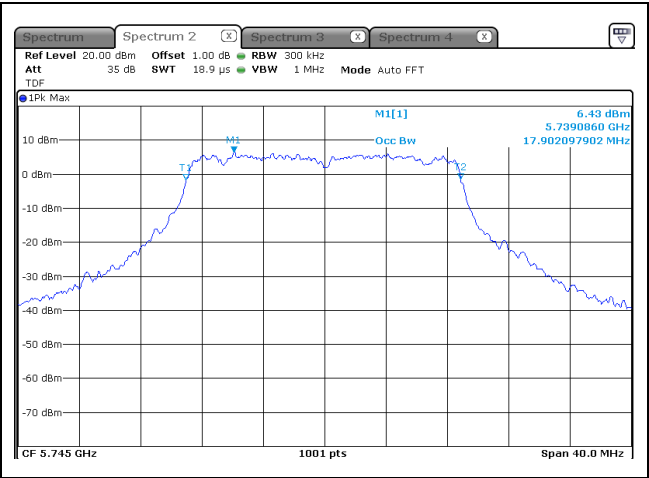
- 802.11n HT20

- 5 745 MHz

EBW

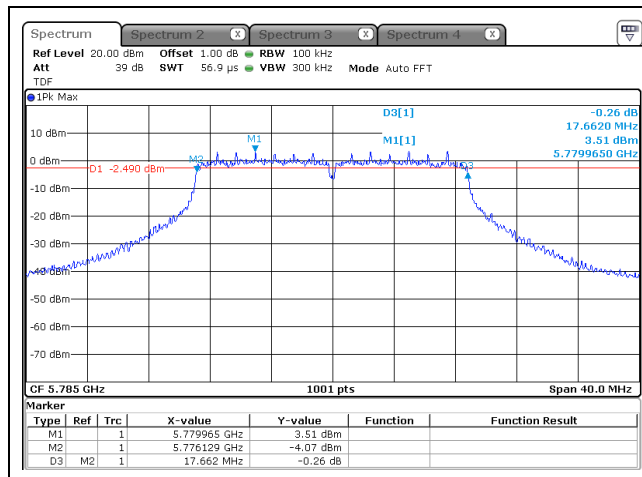


OBW

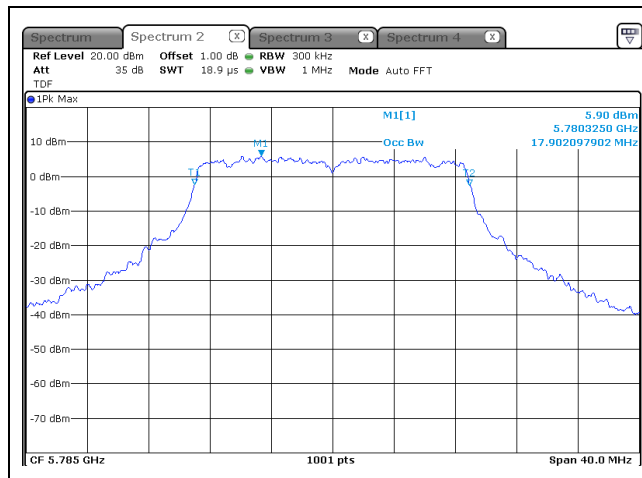


- 5 785 MHz

EBW



OBW



KCTL Inc.

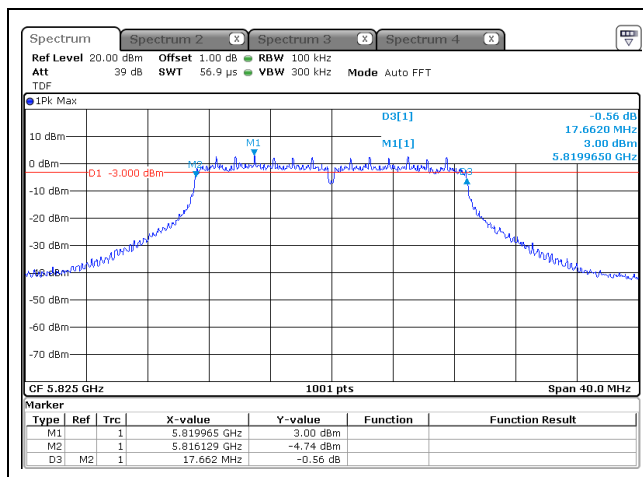
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- 5 825 MHz

EBW



OBW

