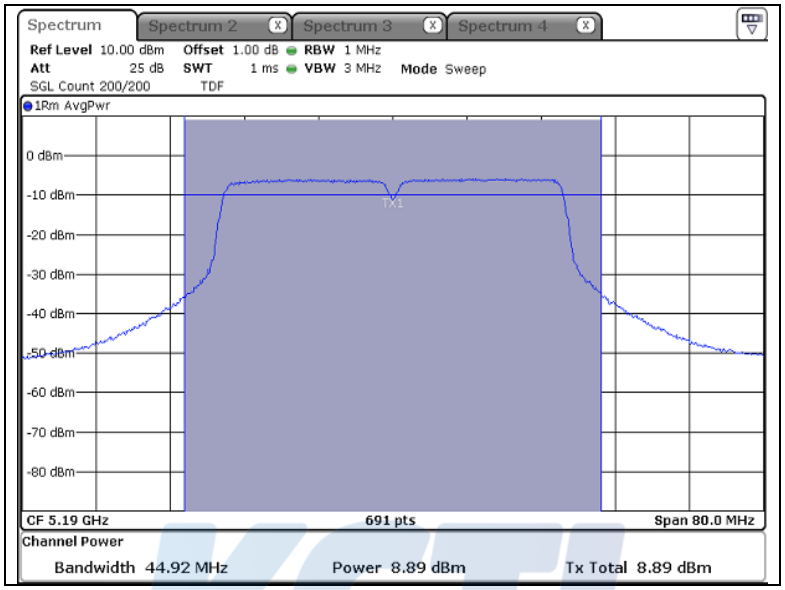
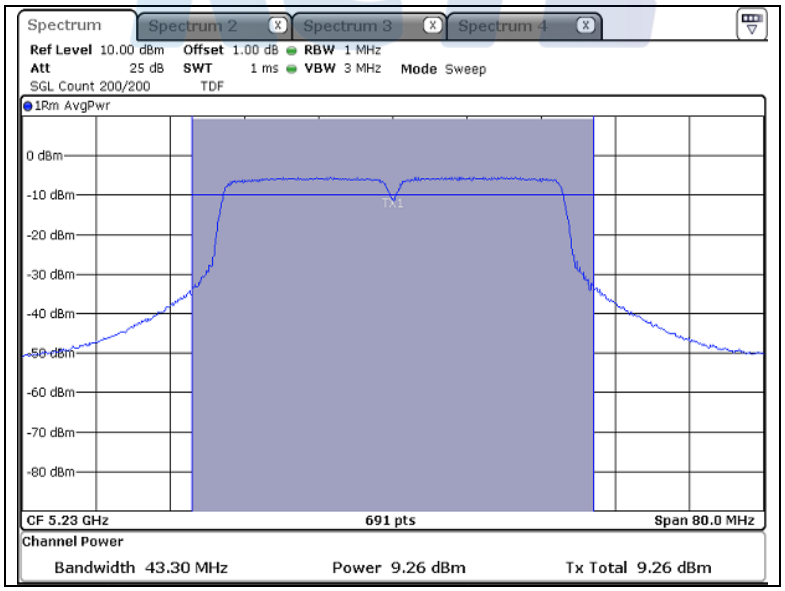
-802.11n_HT40

Lowest Channel (5 190 ㎒)

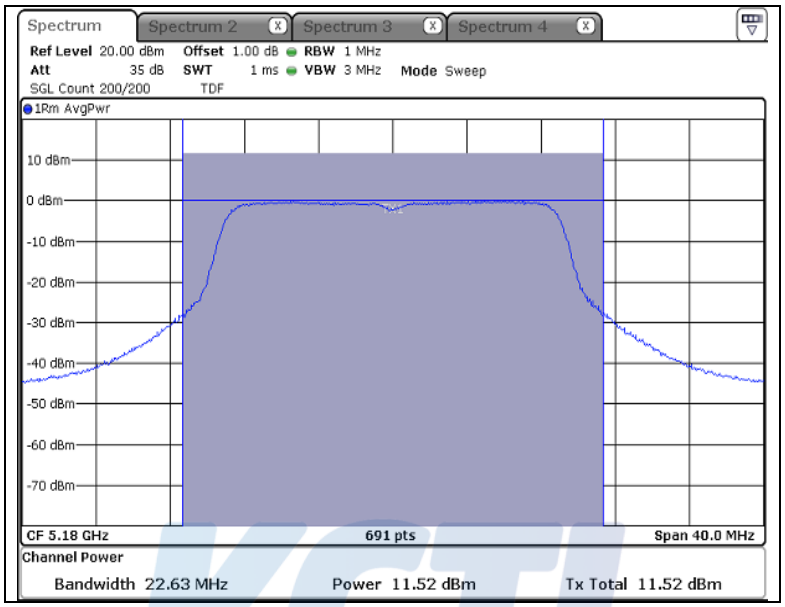


Middle Channel (5 230 ㎒)

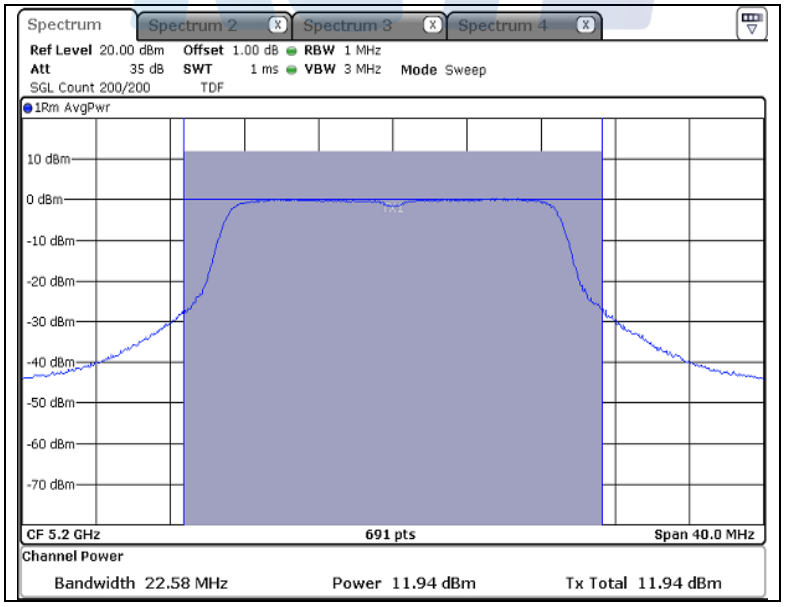


-802.11ac VHT20

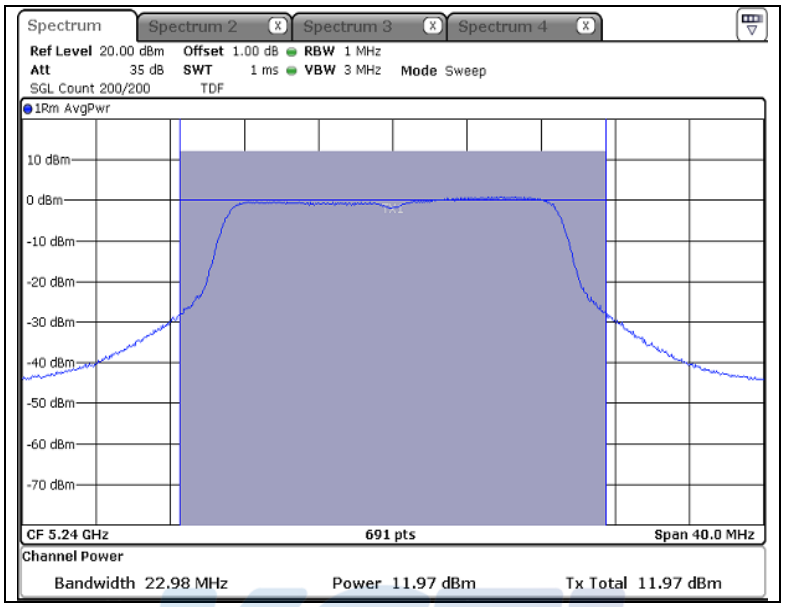
Lowest Channel (5 180 ㎒)



Middle Channel (5 200 ㎒)

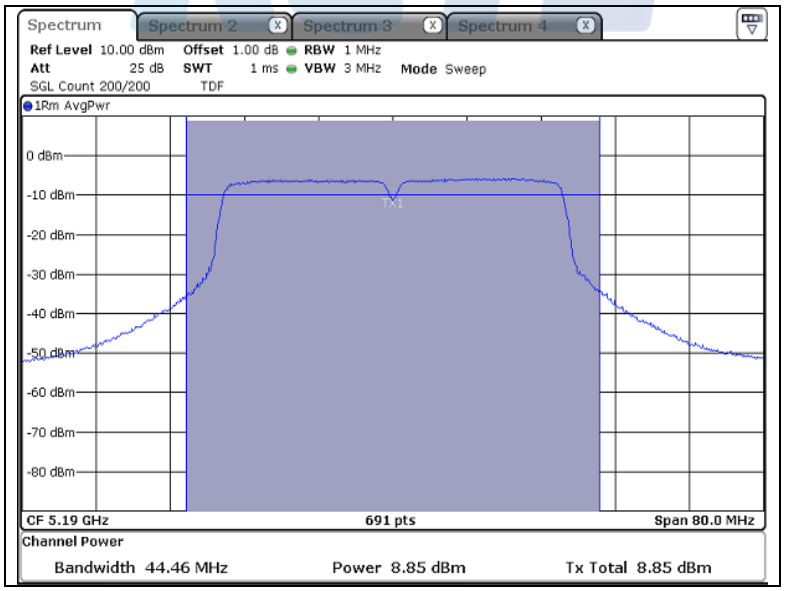


Highest Channel (5 240 ㎒)

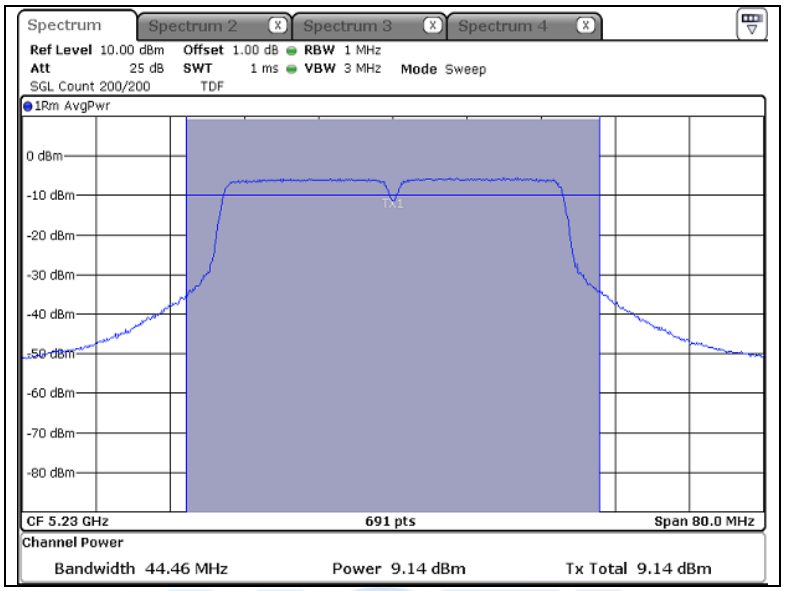


-802.11ac VHT40

Lowest Channel (5 190 ㎒)

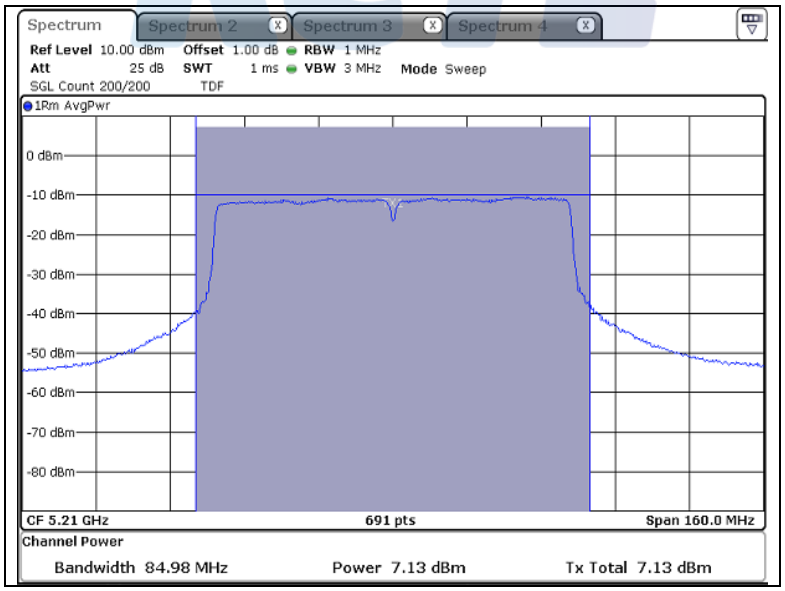


Highest Channel (5 230 ㎒)



-802.11ac VHT80

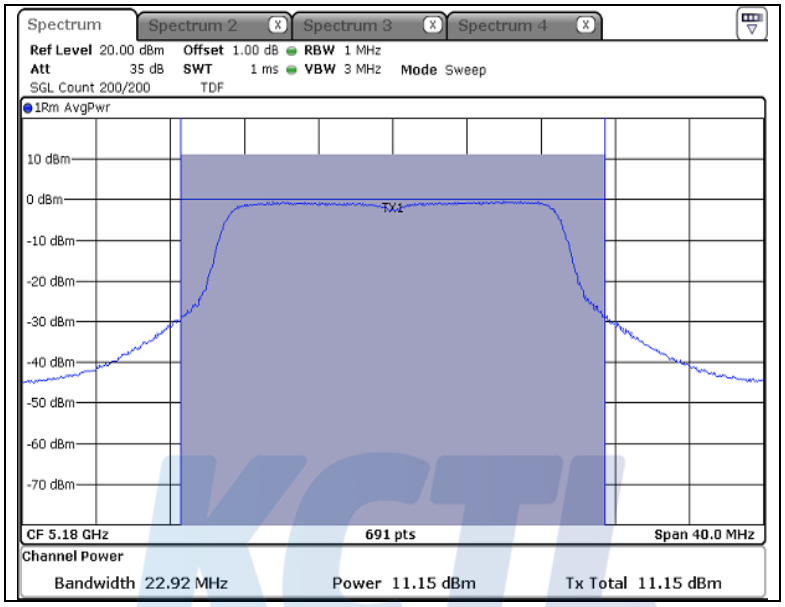
Lowest Channel (5 210 ㎒)



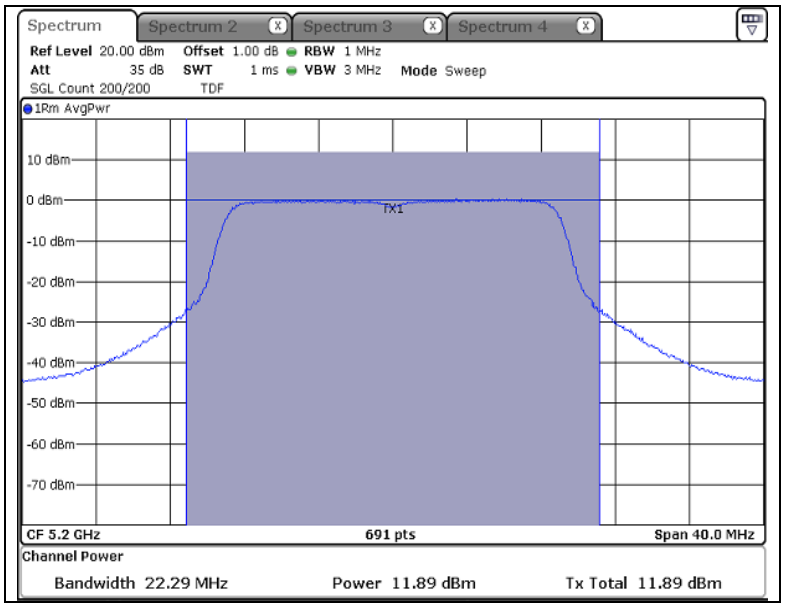
- MIMO 3 Tx (ANT 2)

-802.11n HT20

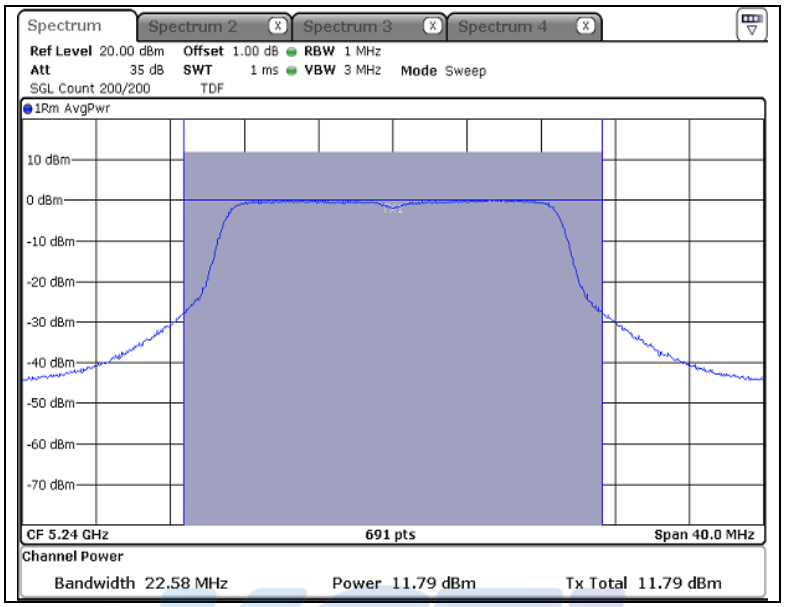
Lowest Channel (5 180 ㎒)



Middle Channel (5 200 ㎒)

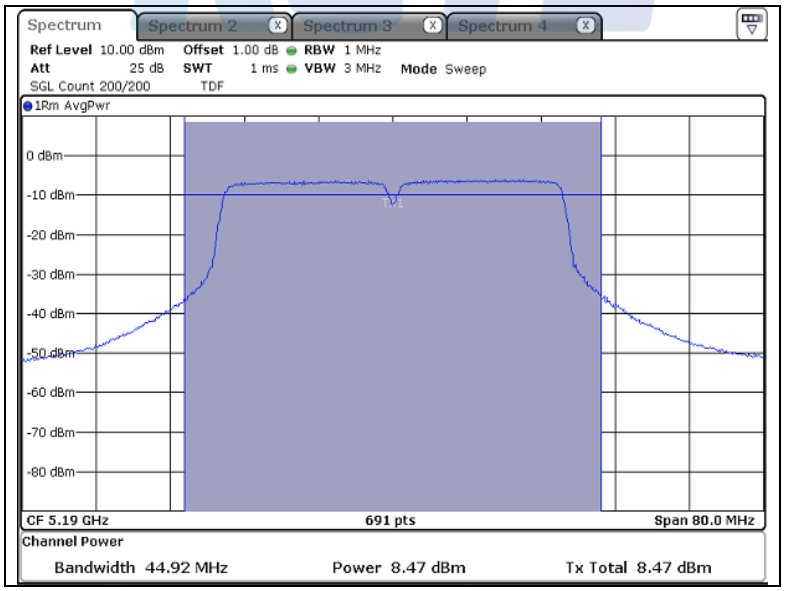


Highest Channel (5 240 ㎒)

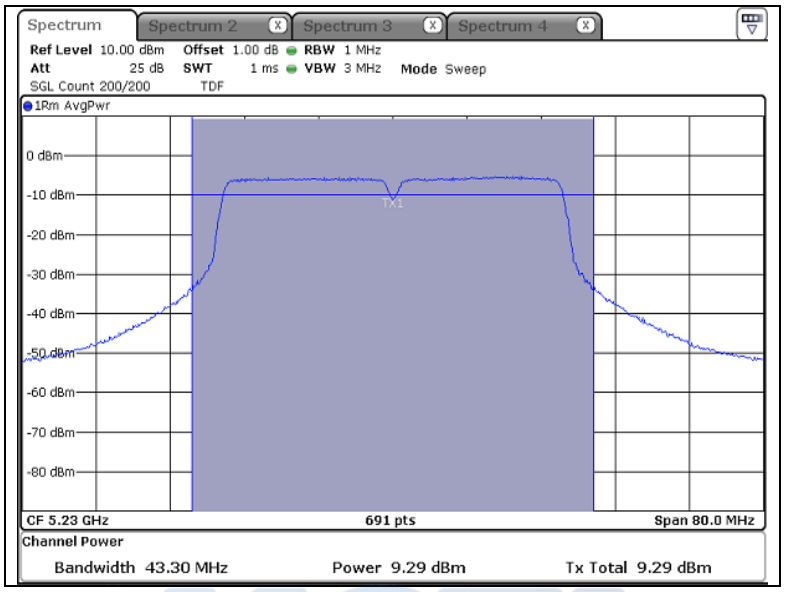


-802.11n_HT40

Lowest Channel (5 190 ㎒)

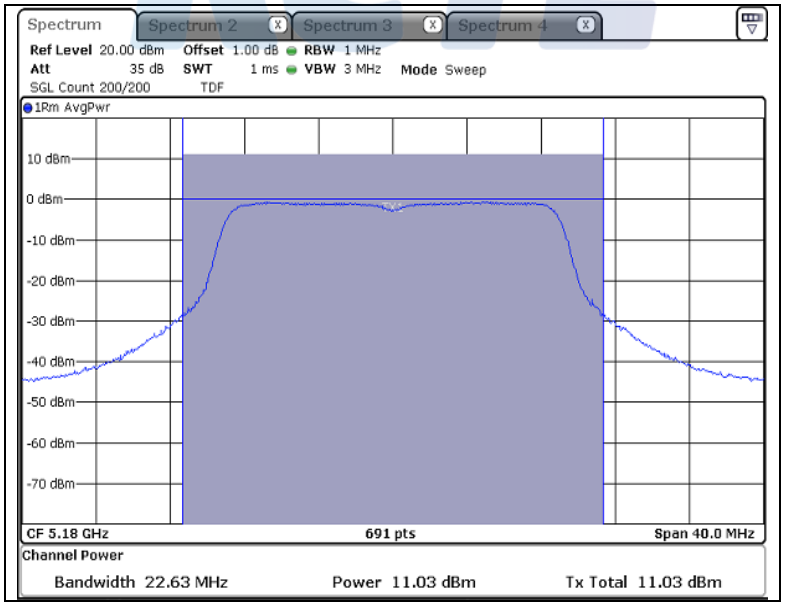


Middle Channel (5 230 ㎒)

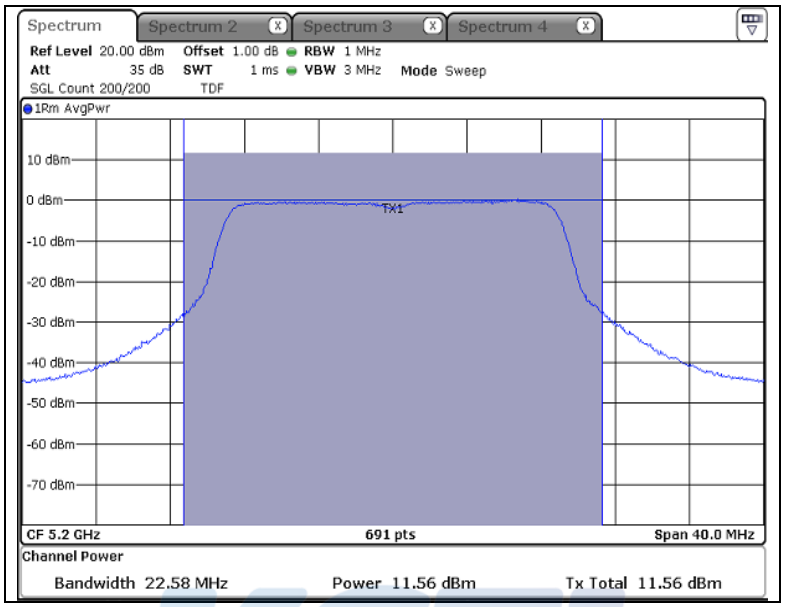


-802.11ac VHT20

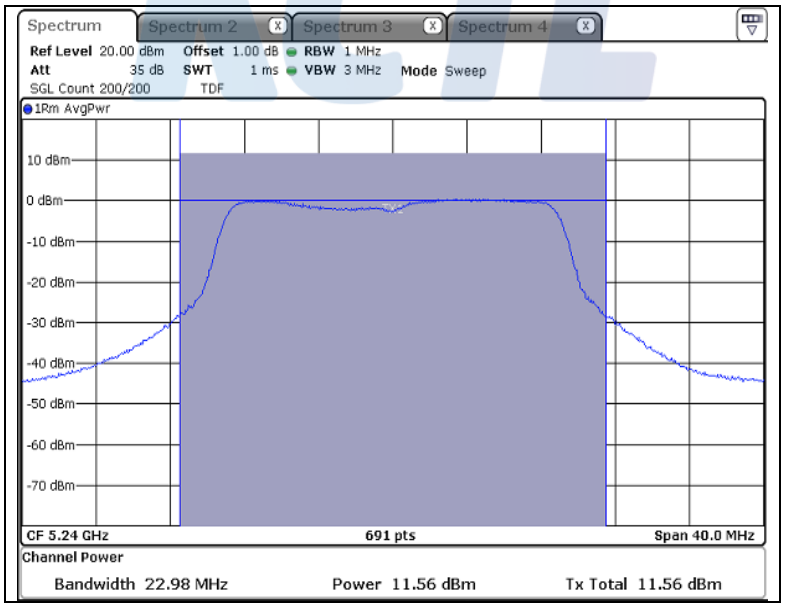
Lowest Channel (5 180 ㎒)



Middle Channel (5 200 ㎒)

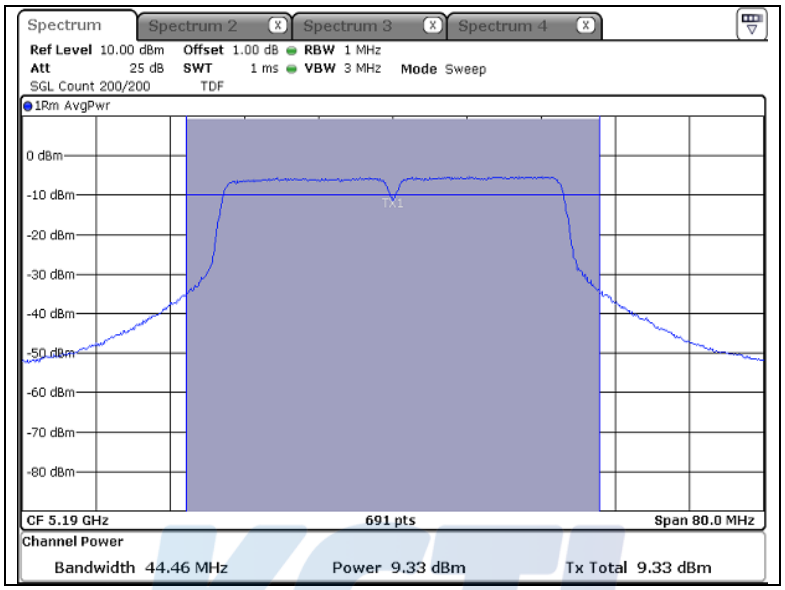


Highest Channel (5 240 ㎒)

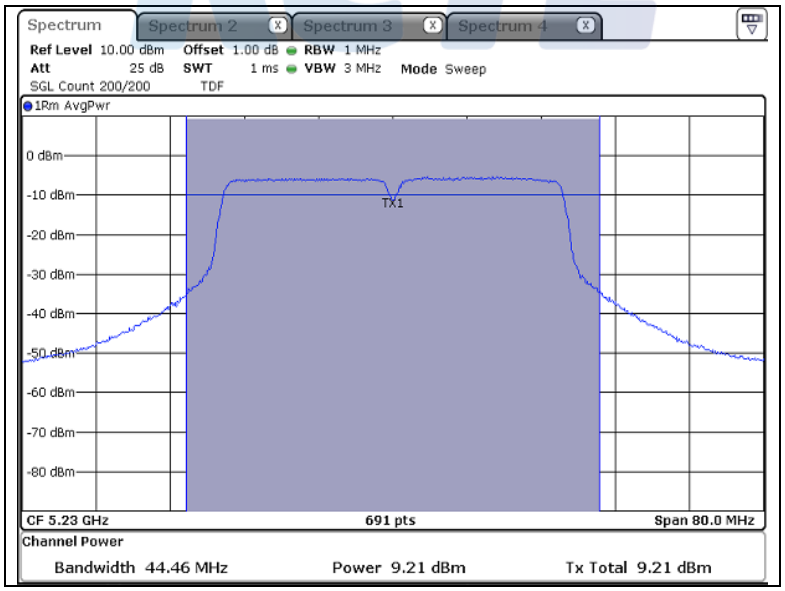


-802.11ac VHT40

Lowest Channel (5 190 ㎒)

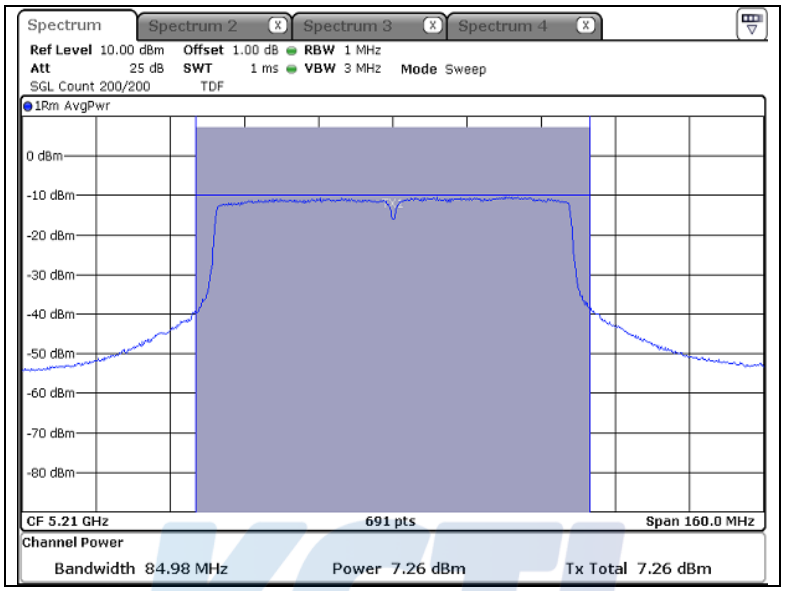


Highest Channel (5 230 ㎒)



-802.11ac VHT80

Lowest Channel (5 210 ㎒)

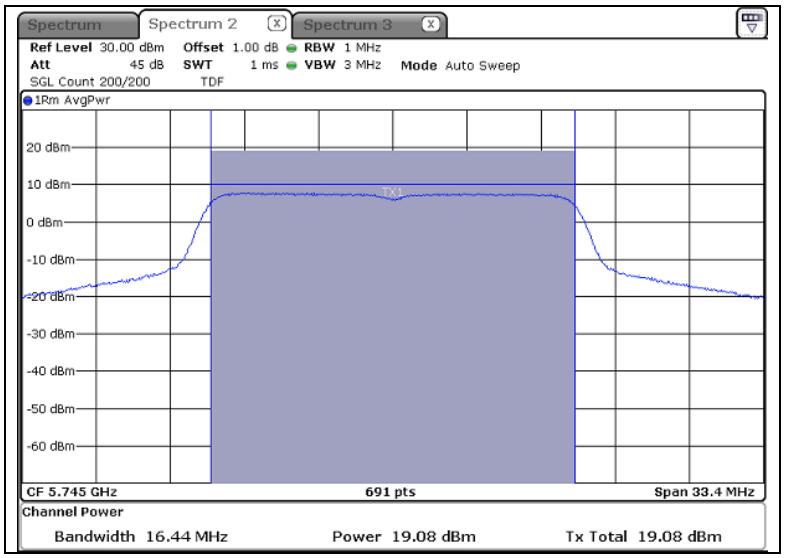


- 5 725 Band

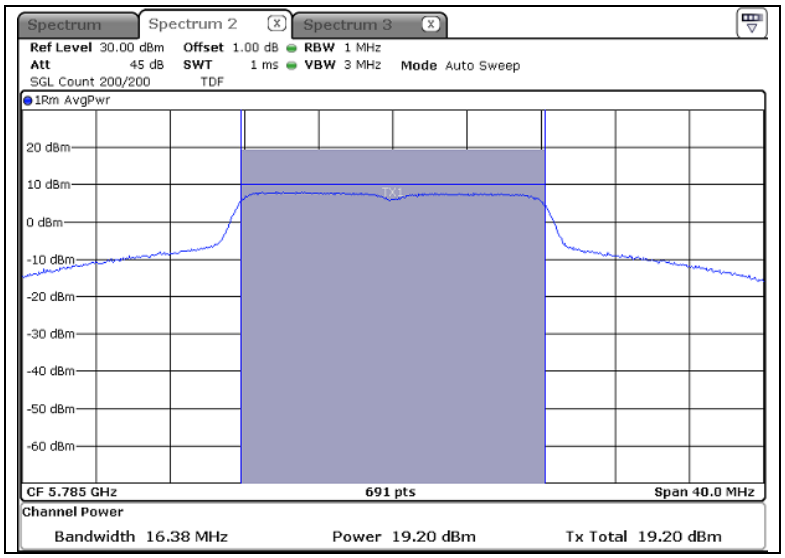
- ANT 0

-802.11a

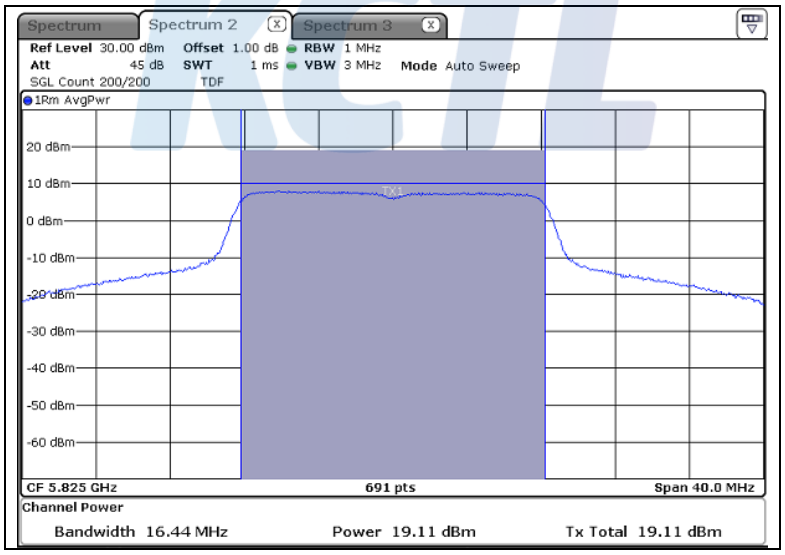
Lowest Channel (5 745 ㎒)



Middle Channel (5 785 ㎒)

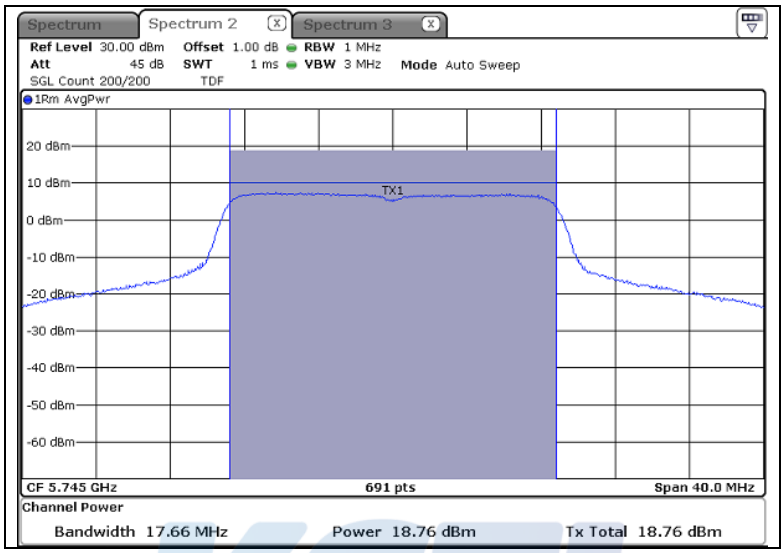


Highest Channel (5 825 ㎒)

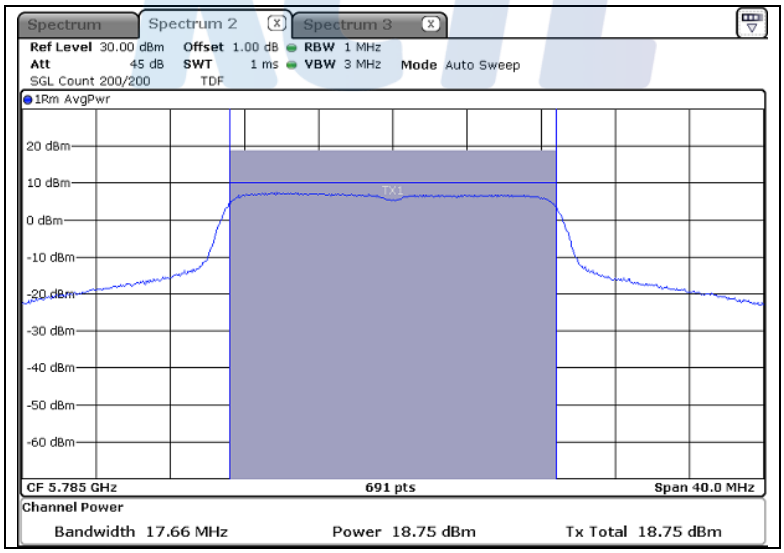


-802.11n HT20

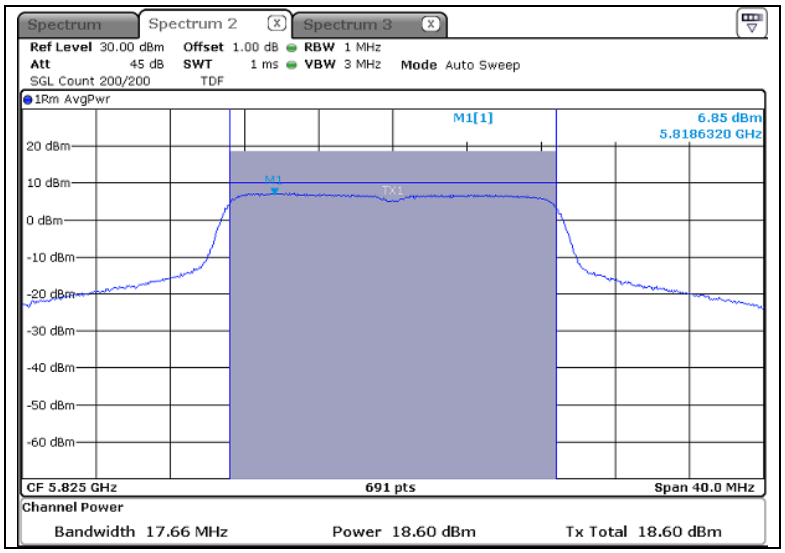
Lowest Channel (5 745 ㎒)



Middle Channel (5 785 ㎒)

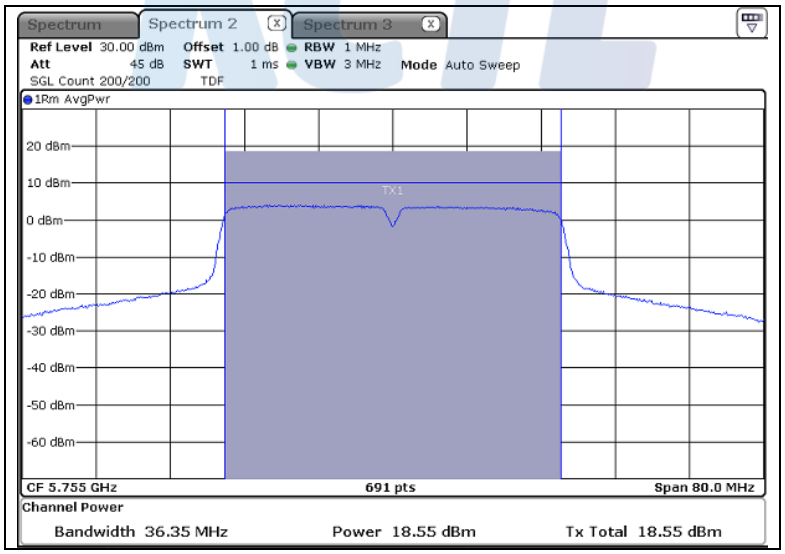


Highest Channel (5 825 ㎒)

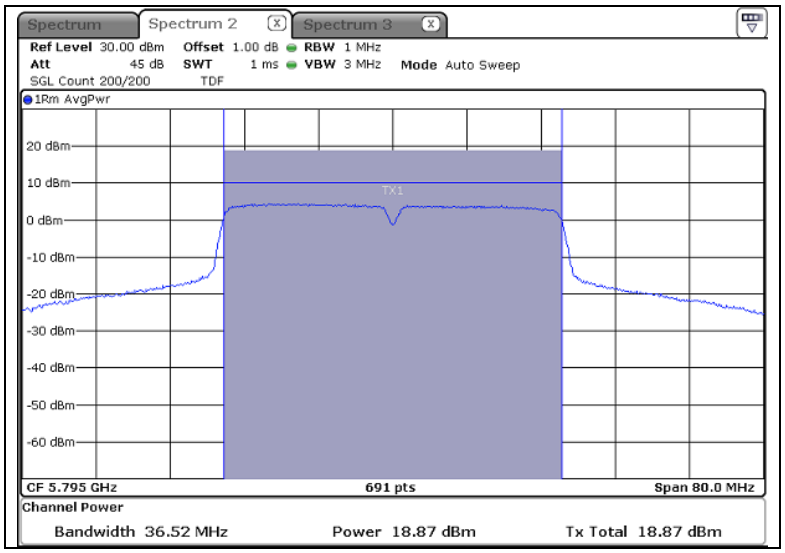


-802.11n HT40

Lowest Channel (5 755 ㎒)

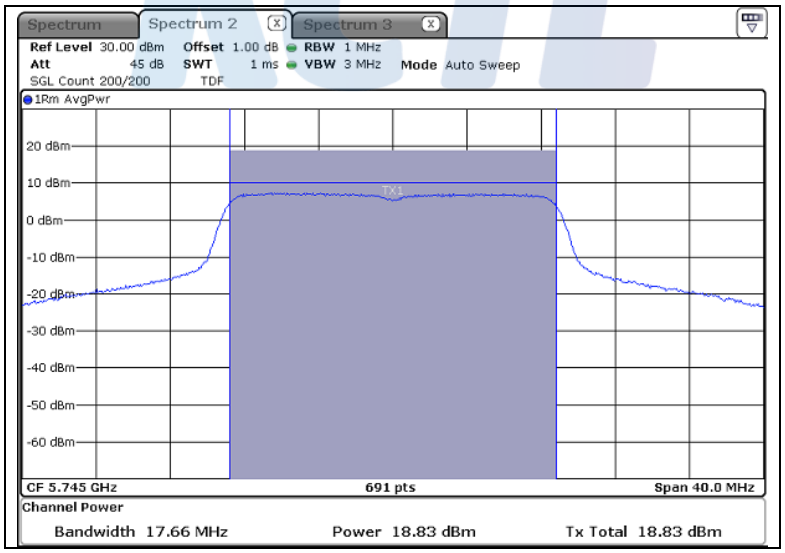


Middle Channel (5 795 ㎒)

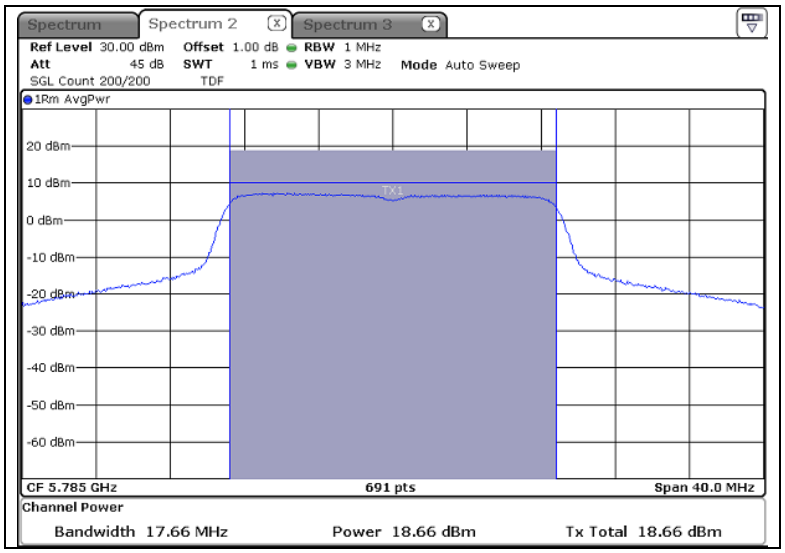


-802.11ac VHT20

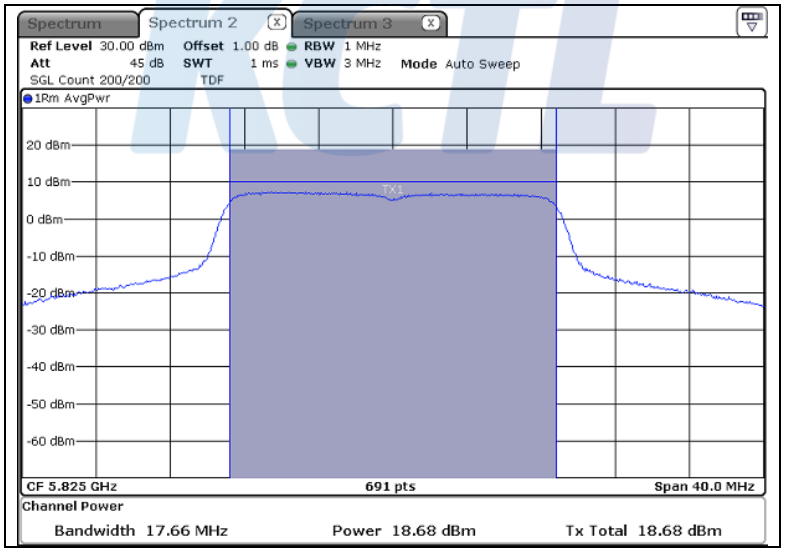
Lowest Channel (5 745 ㎒)



Middle Channel (5 785 ㎒)

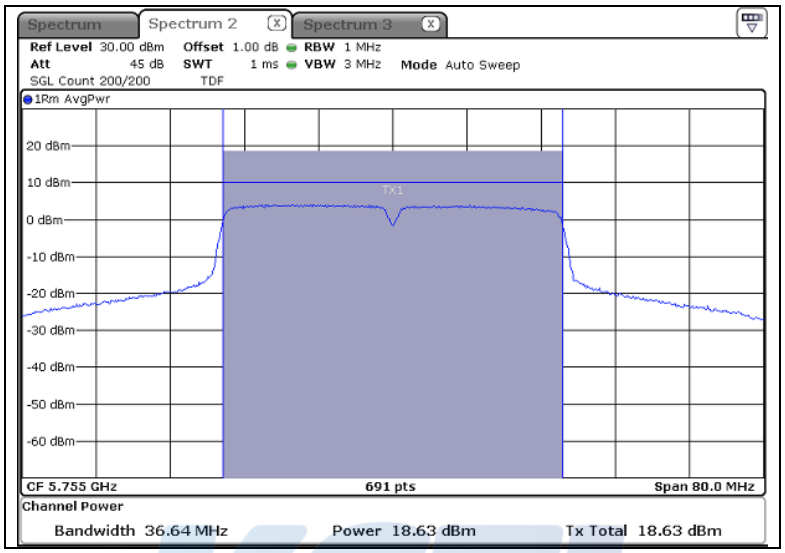


Highest Channel (5 825 ㎒)

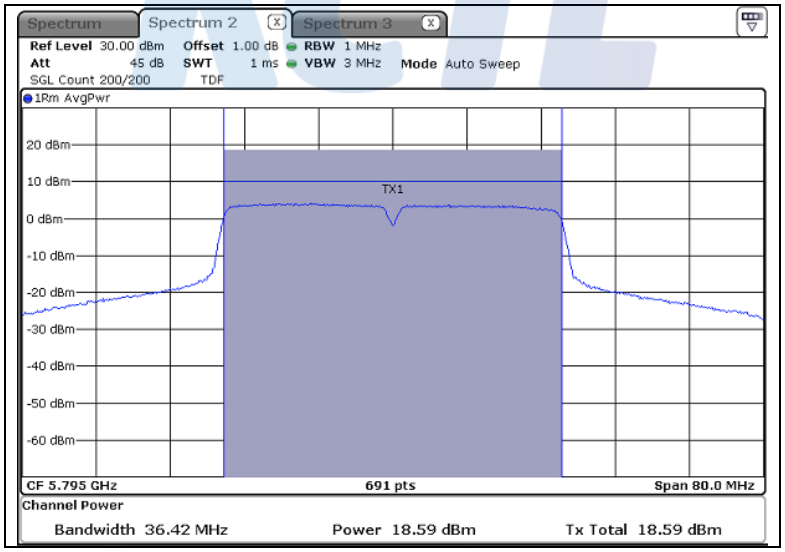


-802.11ac VHT40

Lowest Channel (5 755 ㎒)

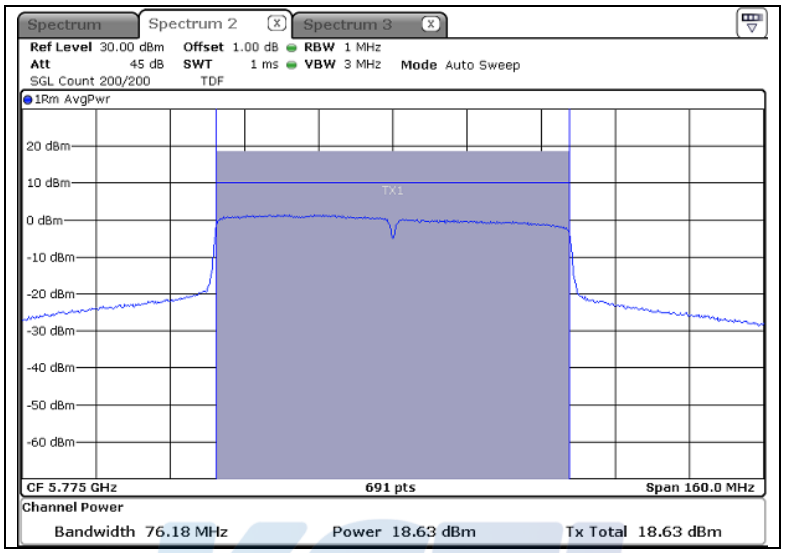


Highest Channel (5 795 ㎒)



-802.11ac VHT80

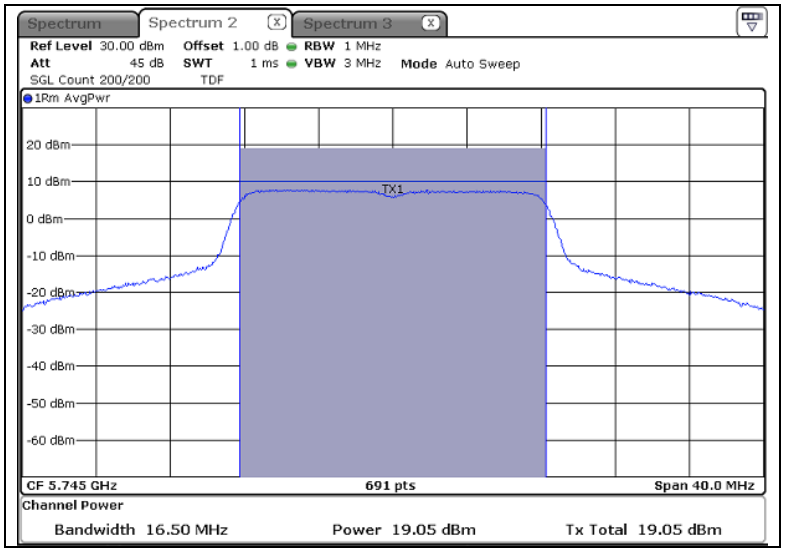
Lowest Channel (5 210 ㎒)



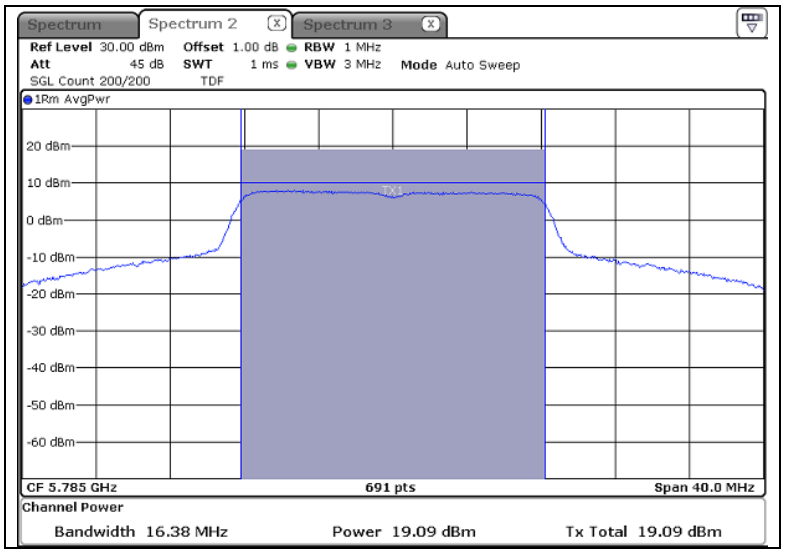
- ANT 1

-802.11a

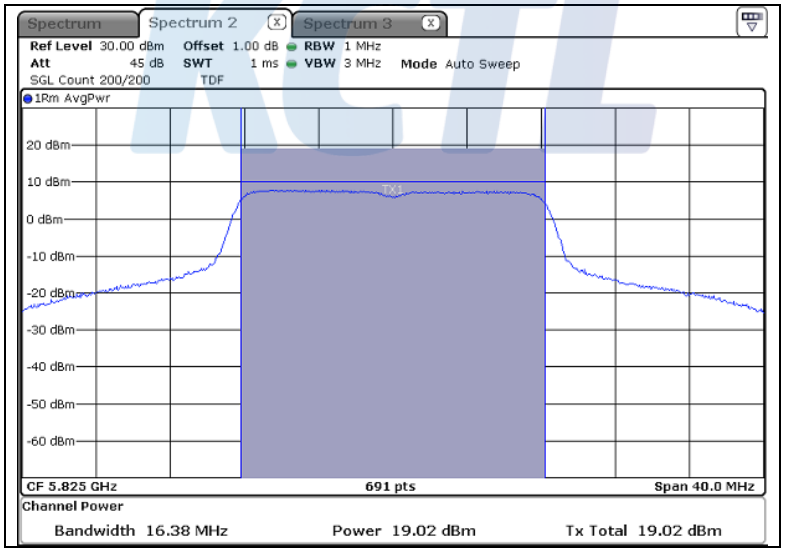
Lowest Channel (5 745 ㎒)



Middle Channel (5 785 ㎒)

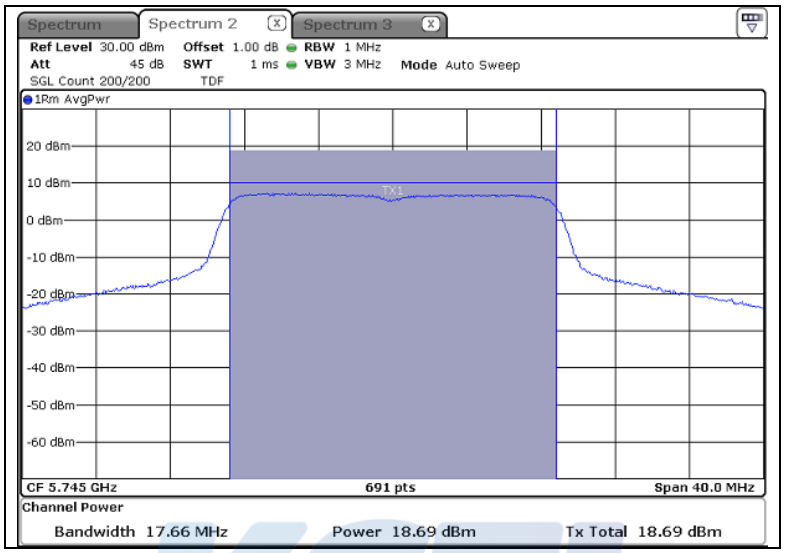


Highest Channel (5 825 ㎒)

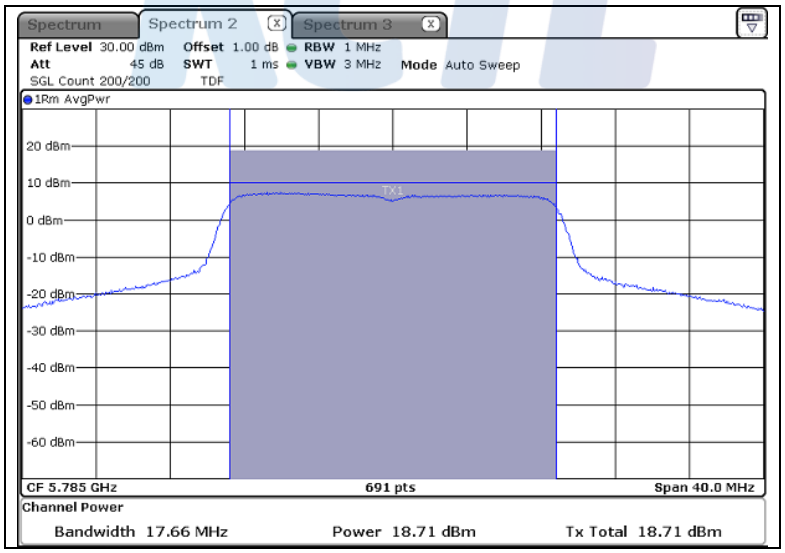


-802.11n HT20

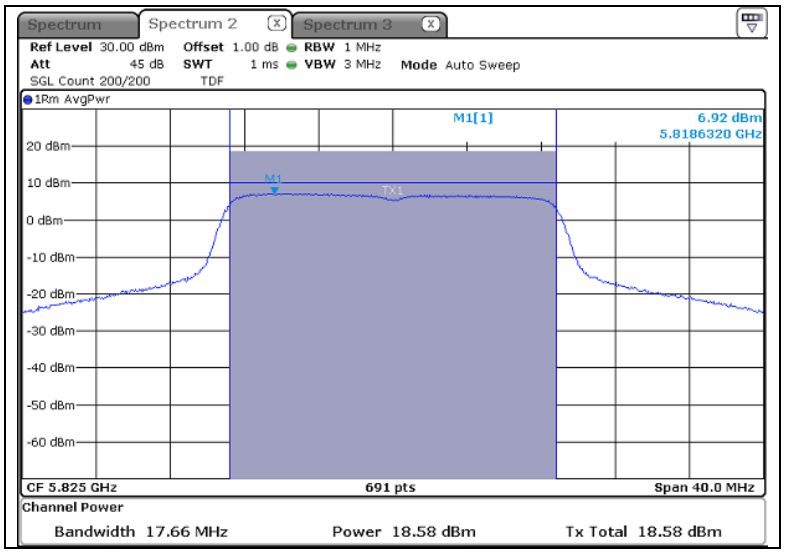
Lowest Channel (5 745 ㎒)



Middle Channel (5 785 ㎒)

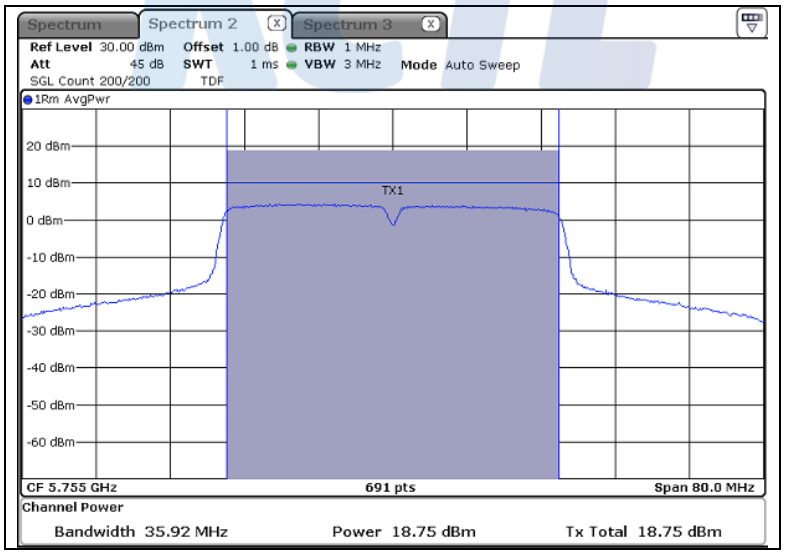


Highest Channel (5 825 ㎒)

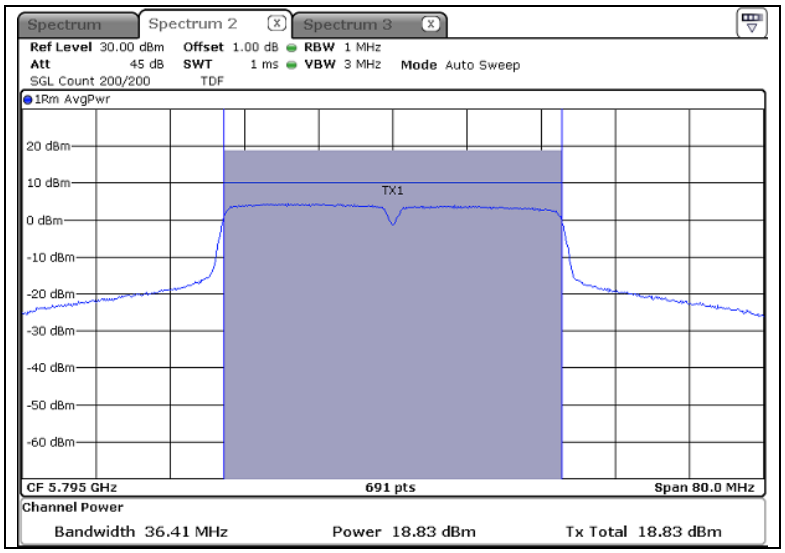


-802.11n HT40

Lowest Channel (5 755 ㎒)

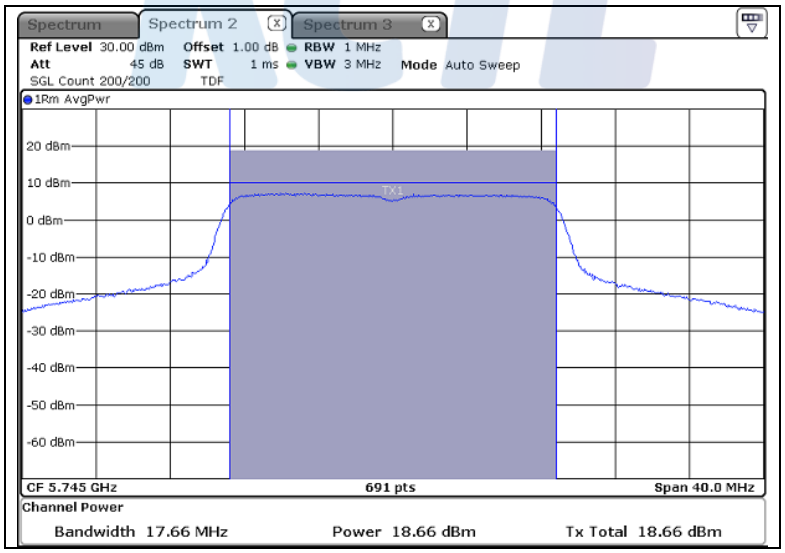


Middle Channel (5 795 ㎒)

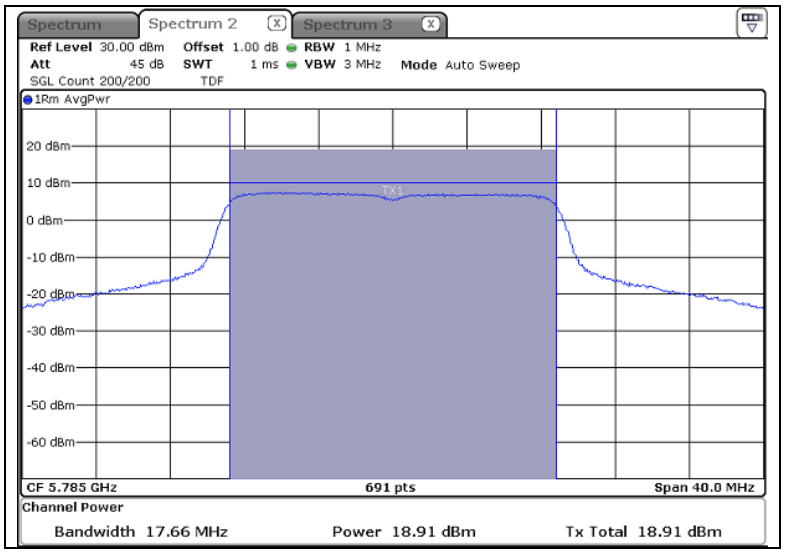


-802.11ac VHT20

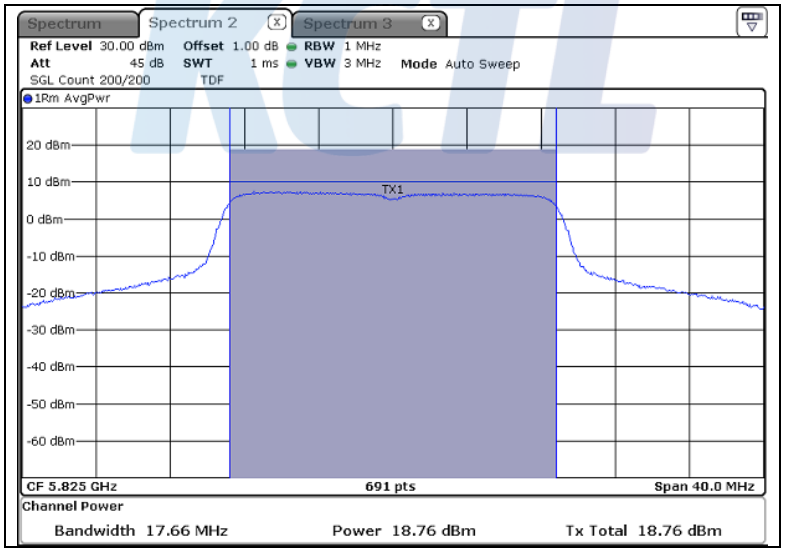
Lowest Channel (5 745 ㎒)



Middle Channel (5 785 ㎒)

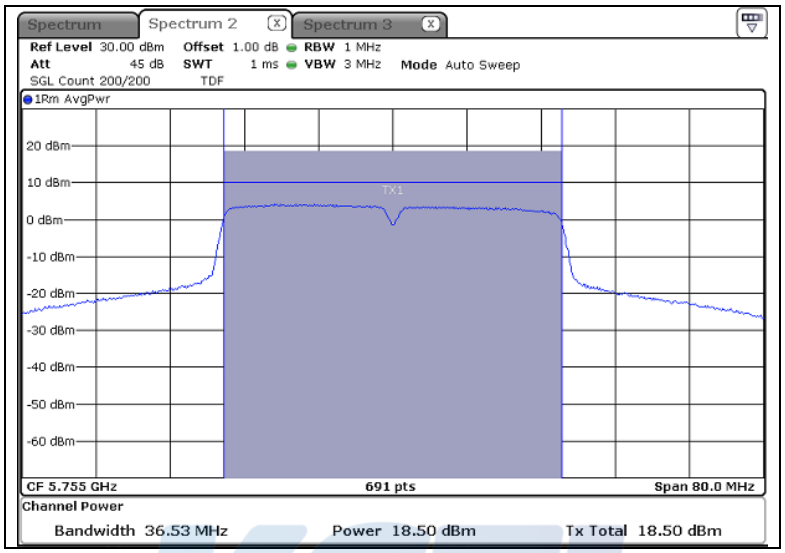


Highest Channel (5 825 ㎒)

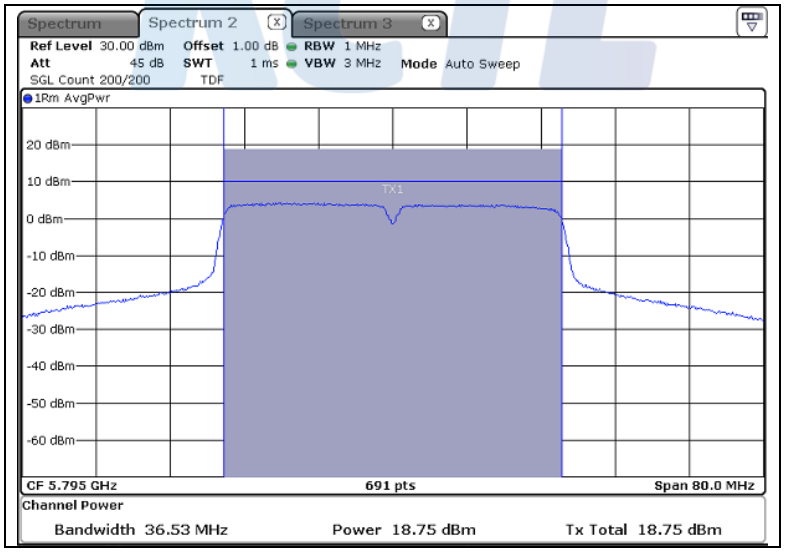


-802.11ac VHT40

Lowest Channel (5 755 ㎒)

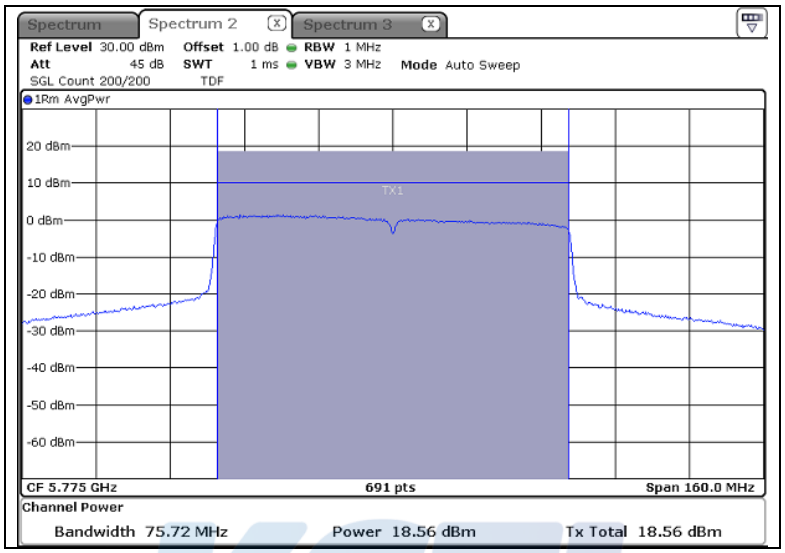


Highest Channel (5 795 ㎒)



-802.11ac VHT80

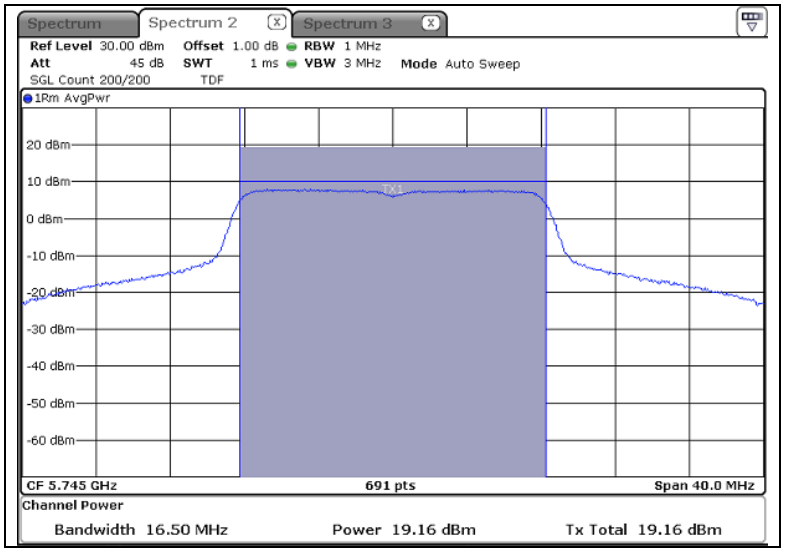
Lowest Channel (5 210 ㎒)



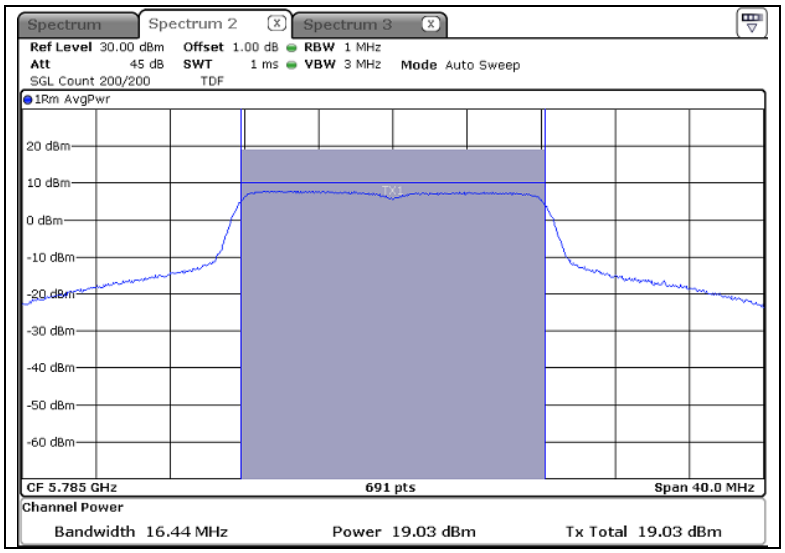
- ANT 2

-802.11a

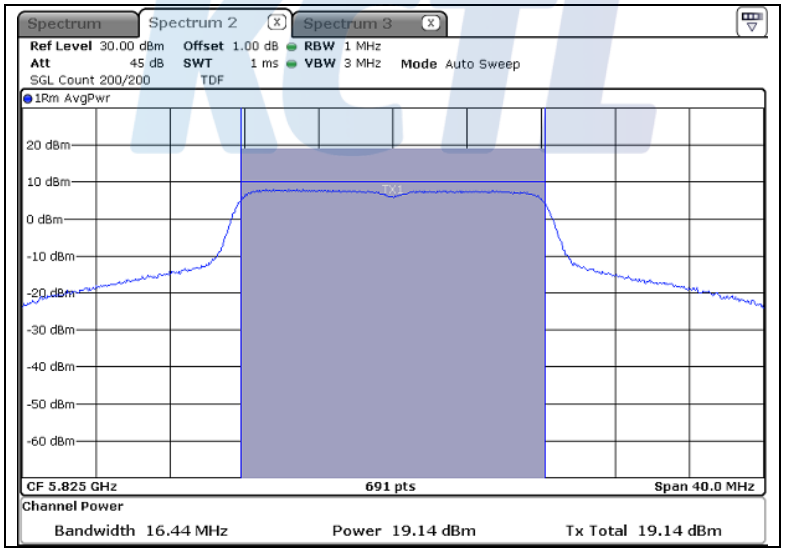
Lowest Channel (5 745 ㎒)



Middle Channel (5 785 ㎒)

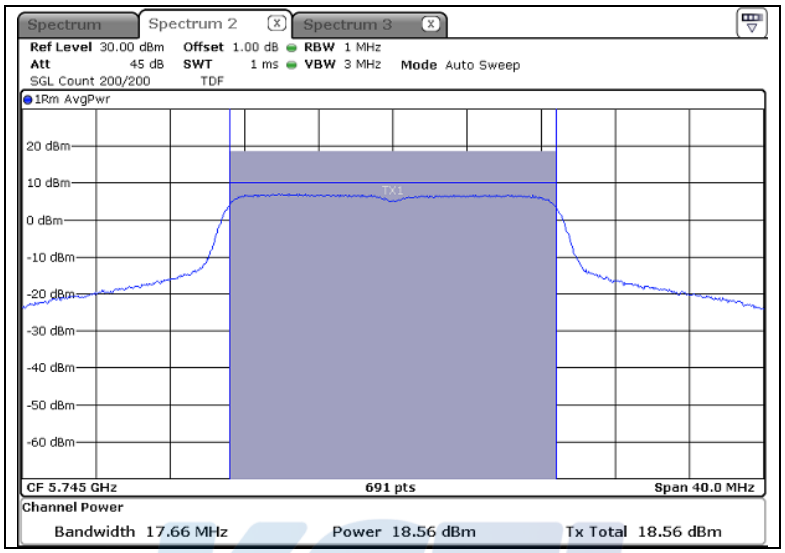


Highest Channel (5 825 ㎒)

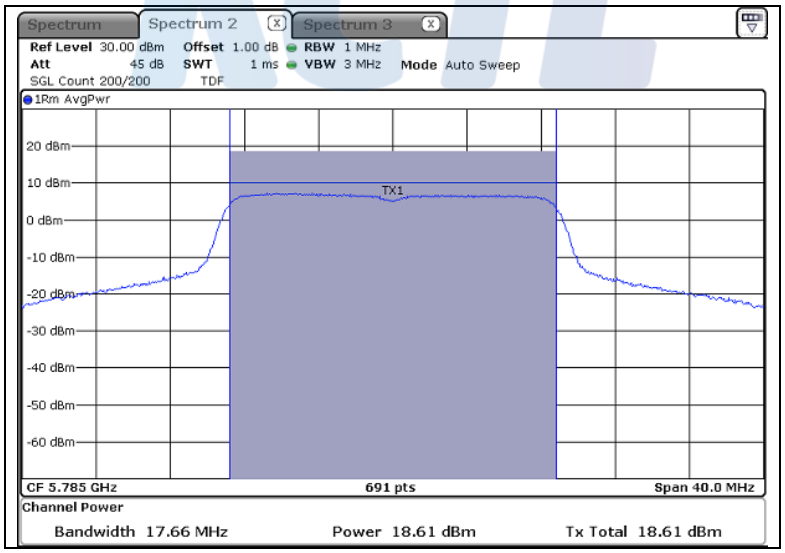


-802.11n HT20

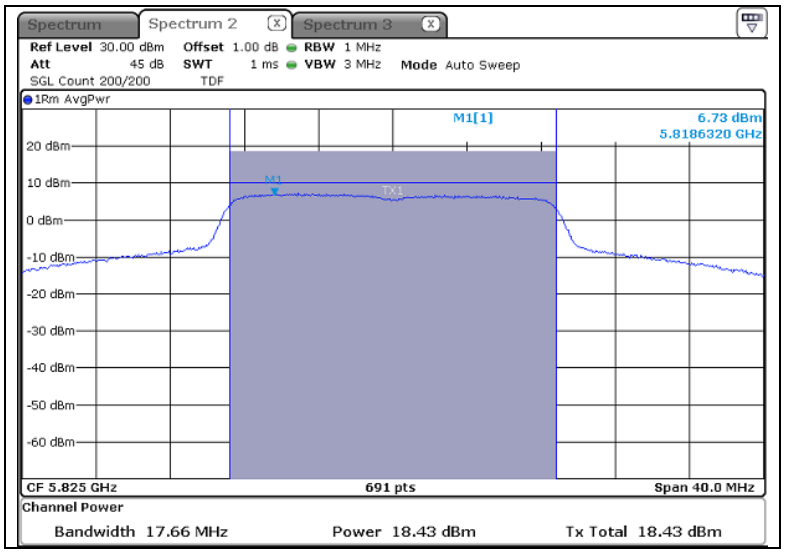
Lowest Channel (5 745 ㎒)



Middle Channel (5 785 ㎒)

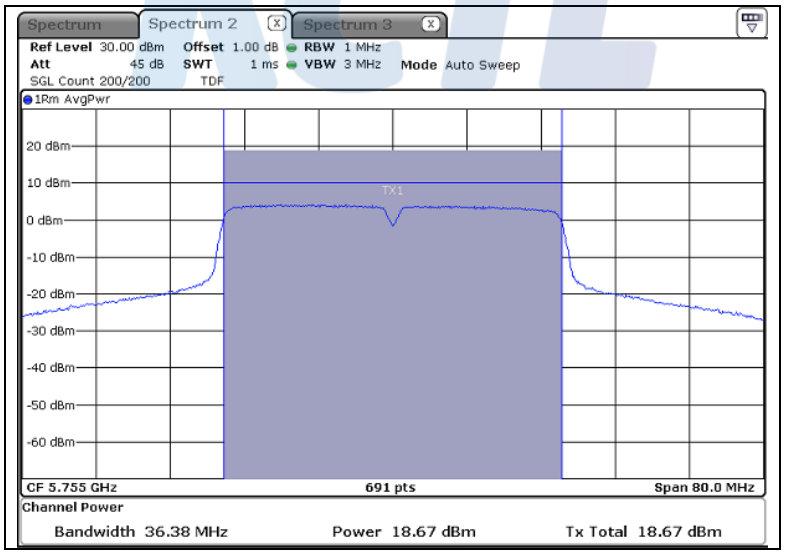


Highest Channel (5 825 ㎒)

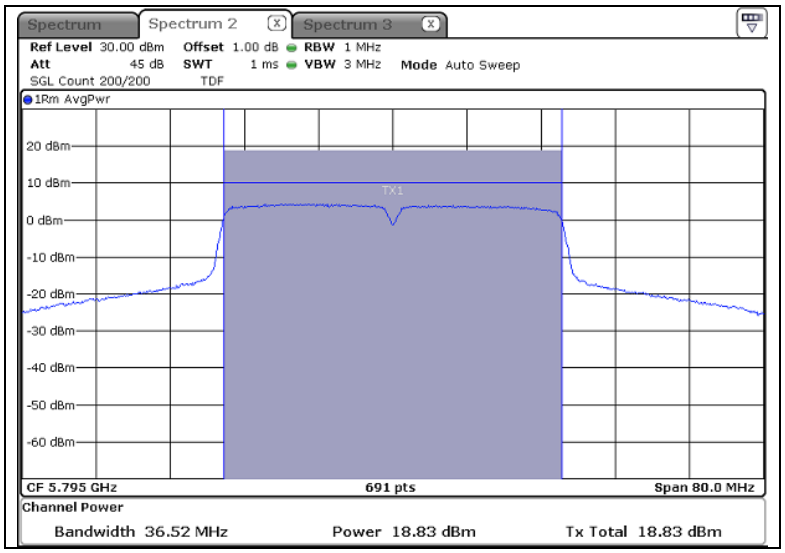


-802.11n HT40

Lowest Channel (5 755 ㎒)

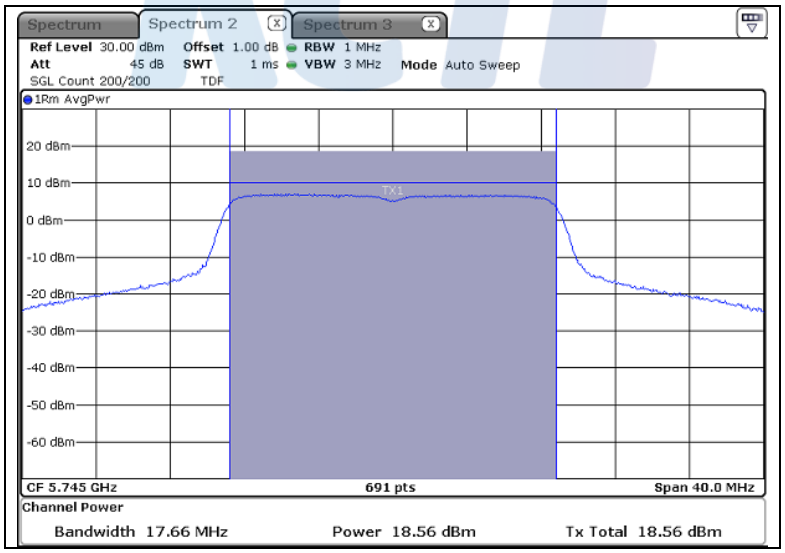


Middle Channel (5 795 ㎒)

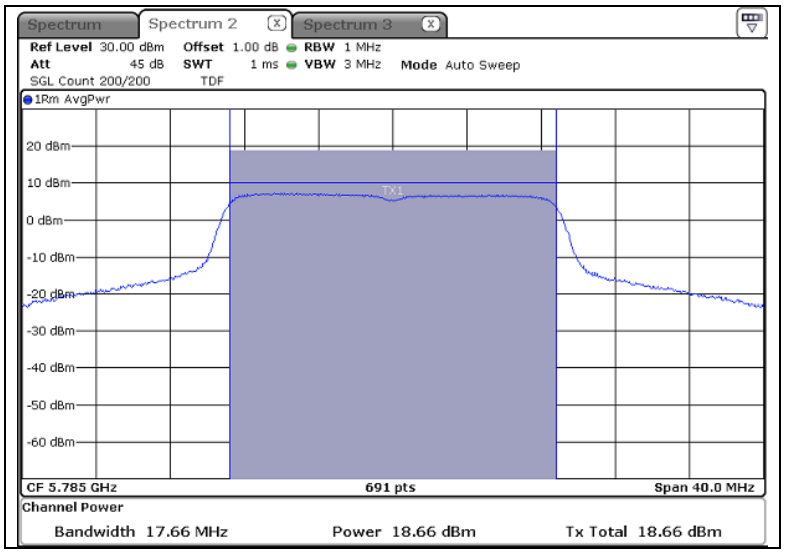


-802.11ac VHT20

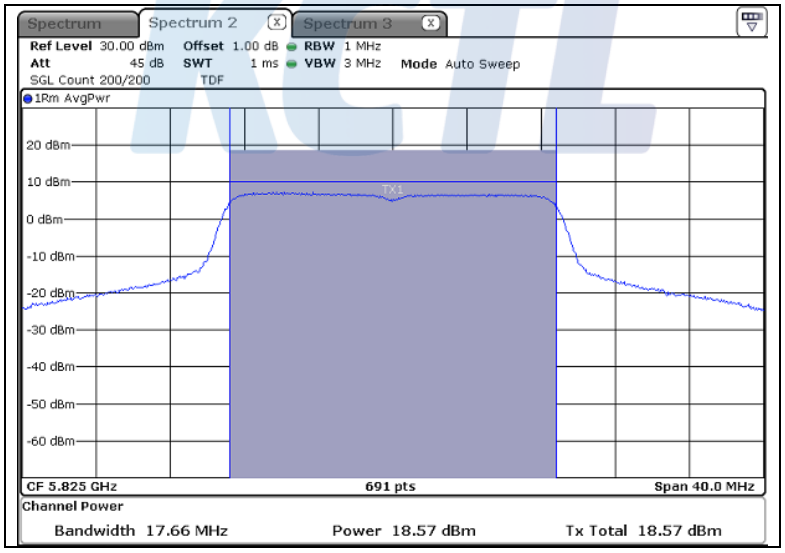
Lowest Channel (5 745 ㎒)



Middle Channel (5 785 ㎒)

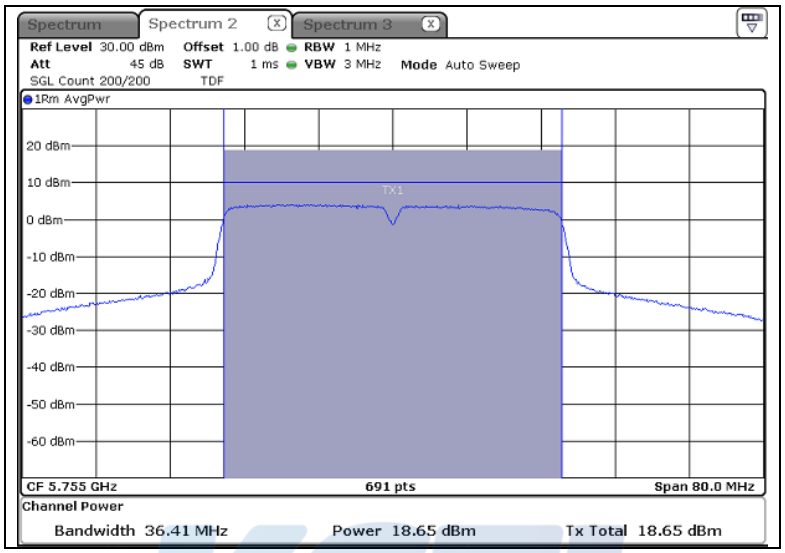


Highest Channel (5 825 ㎒)

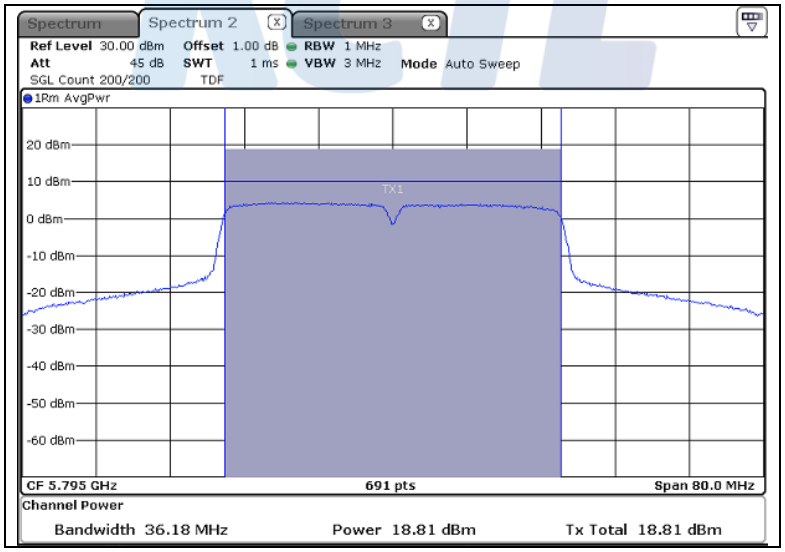


-802.11ac VHT40

Lowest Channel (5 755 ㎒)

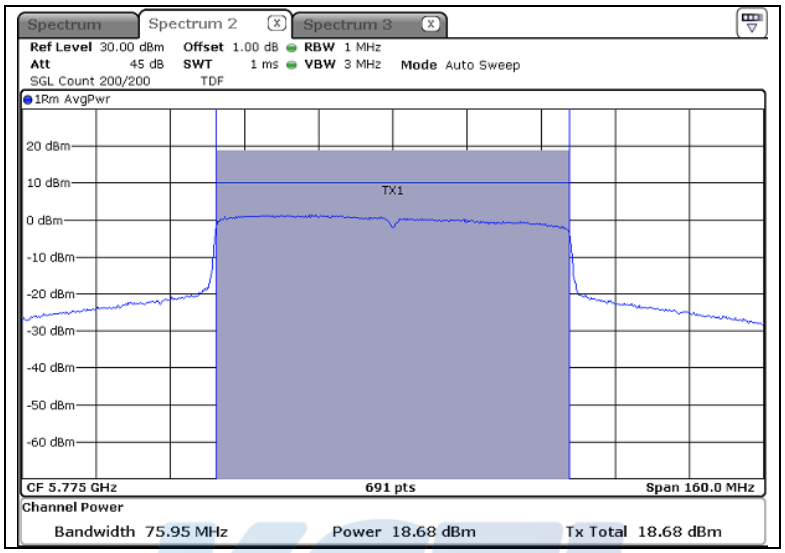


Highest Channel (5 795 ㎒)



-802.11ac VHT80

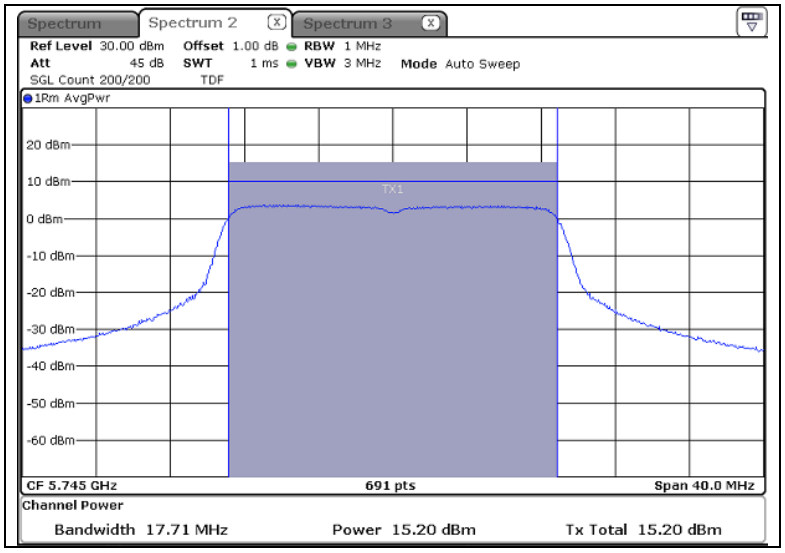
Lowest Channel (5 210 ㎒)



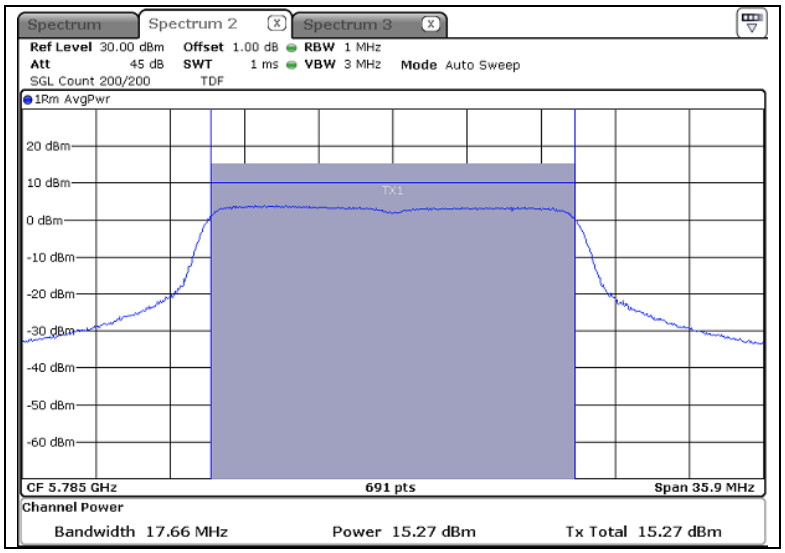
- MIMO 2 Tx (ANT 0)

-802.11n HT20

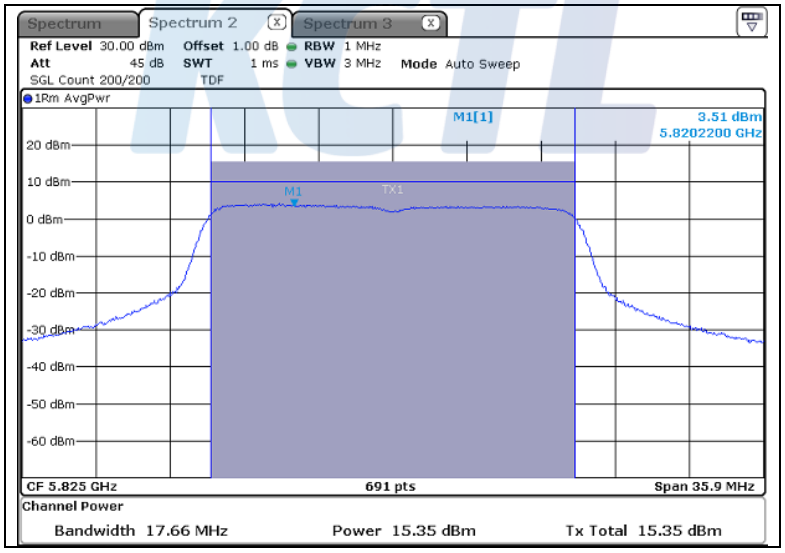
Lowest Channel (5 745 ㎒)



Middle Channel (5 785 ㎒)

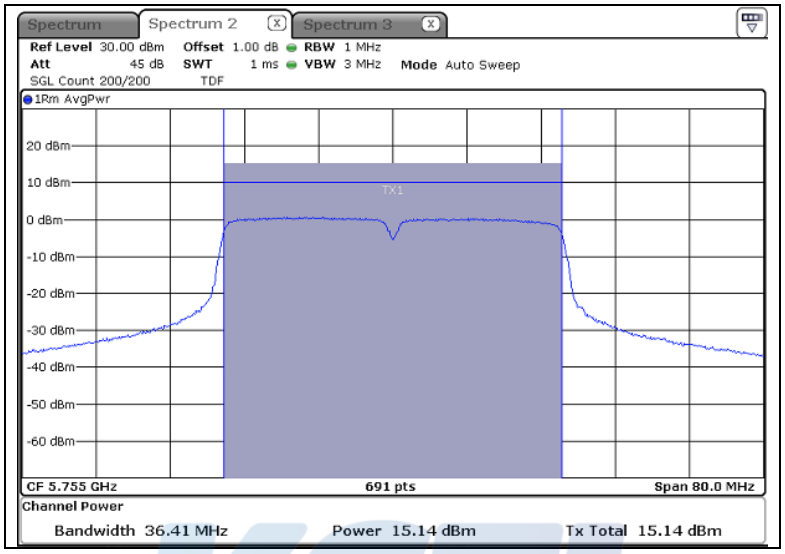


Highest Channel (5 825 ㎒)

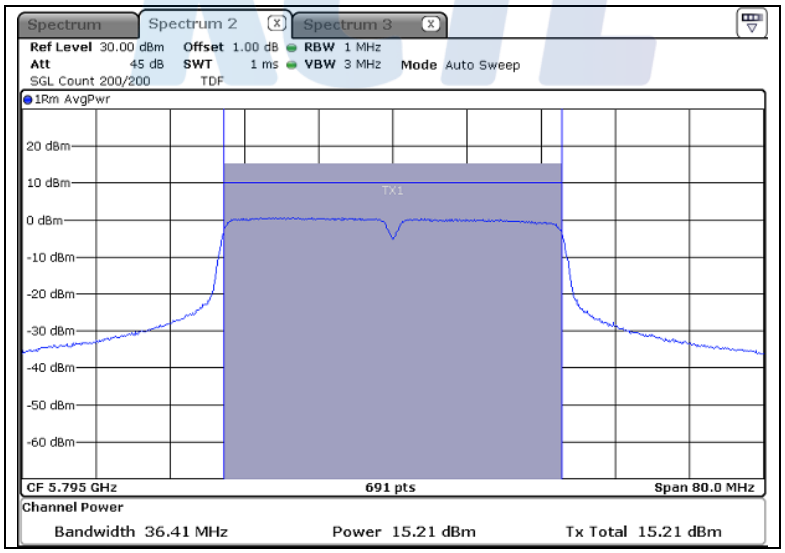


-802.11n HT40

Lowest Channel (5 755 ㎒)

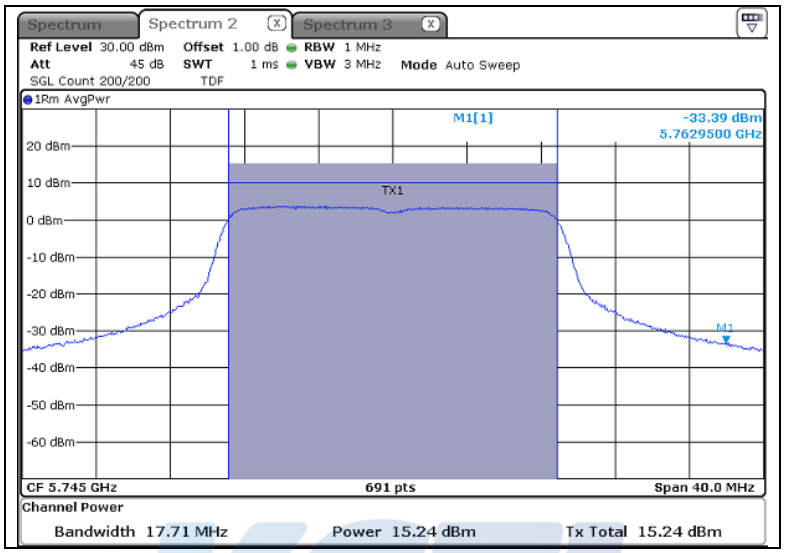


Middle Channel (5 795 ㎒)

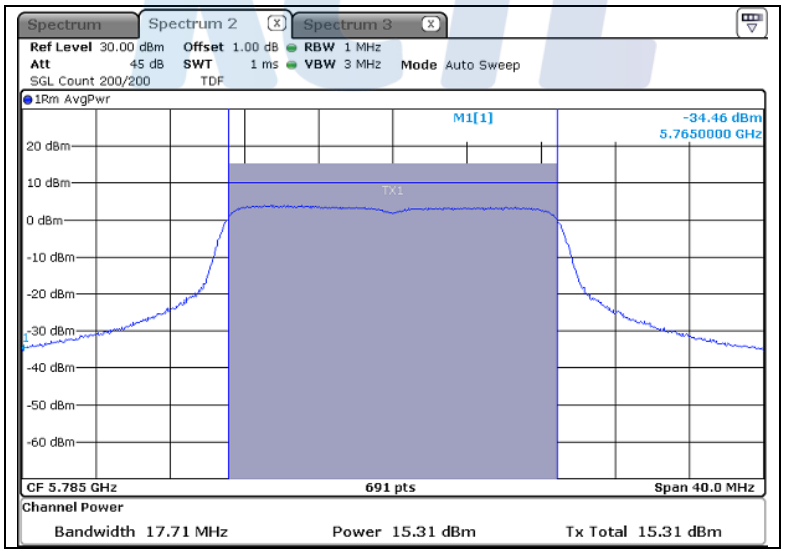


-802.11ac VHT20

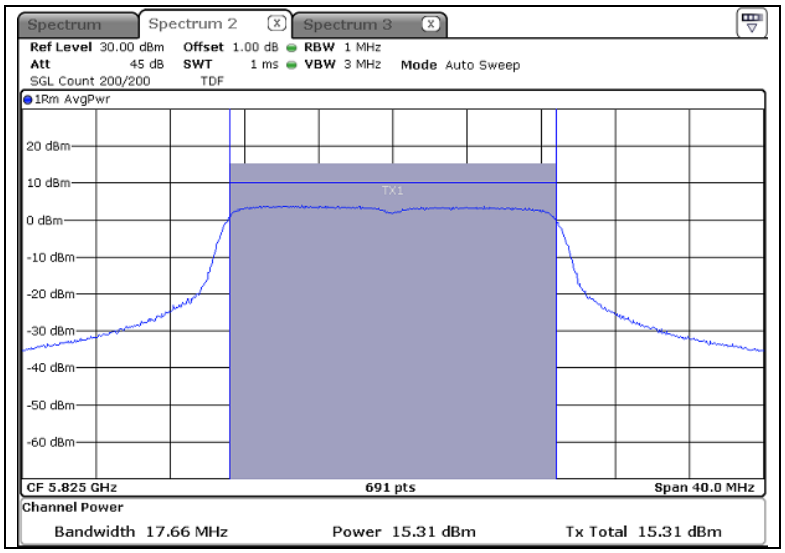
Lowest Channel (5 745 ㎒)



Middle Channel (5 785 ㎒)

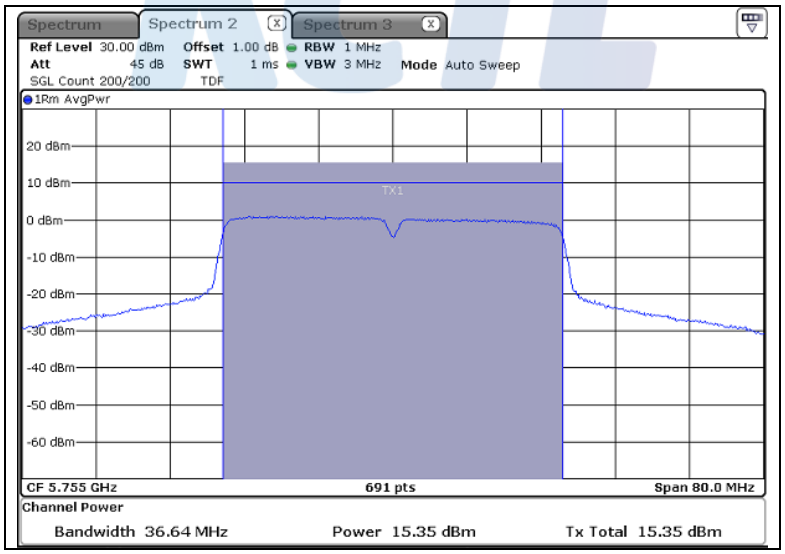


Highest Channel (5 825 ㎒)

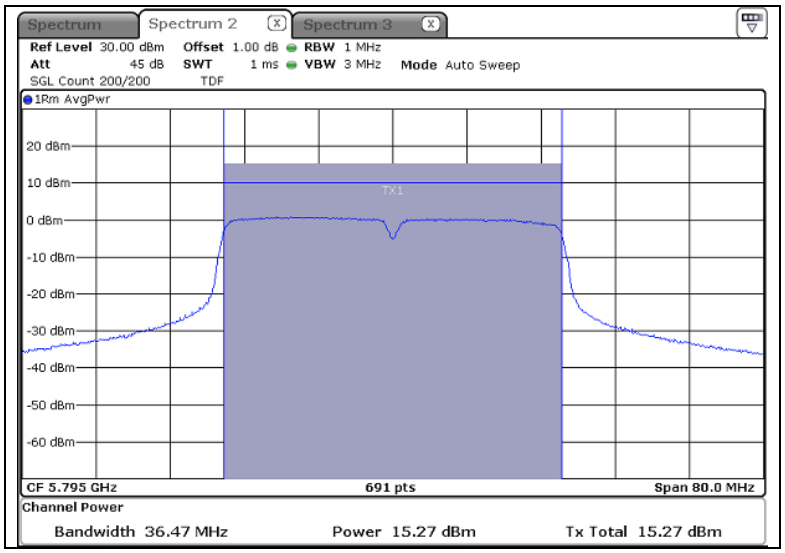


-802.11ac VHT40

Lowest Channel (5 755 ㎒)

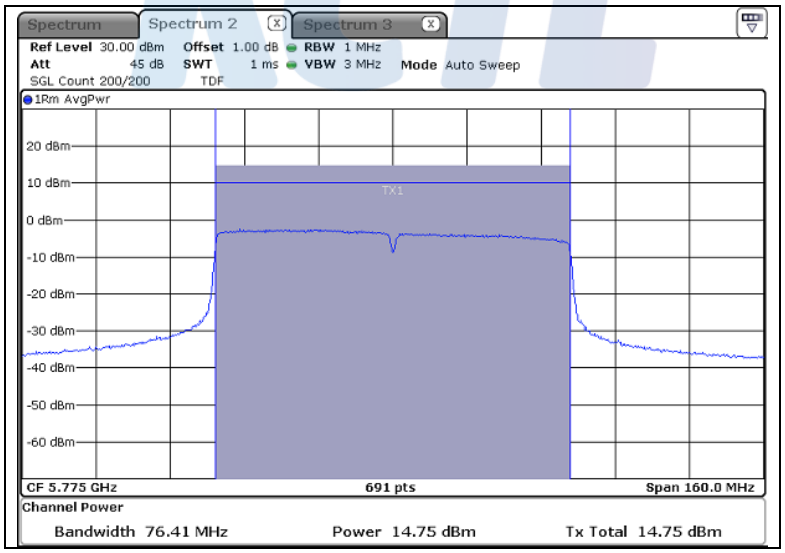


Middle Channel (5 795 ㎒)



-802.11ac VHT80

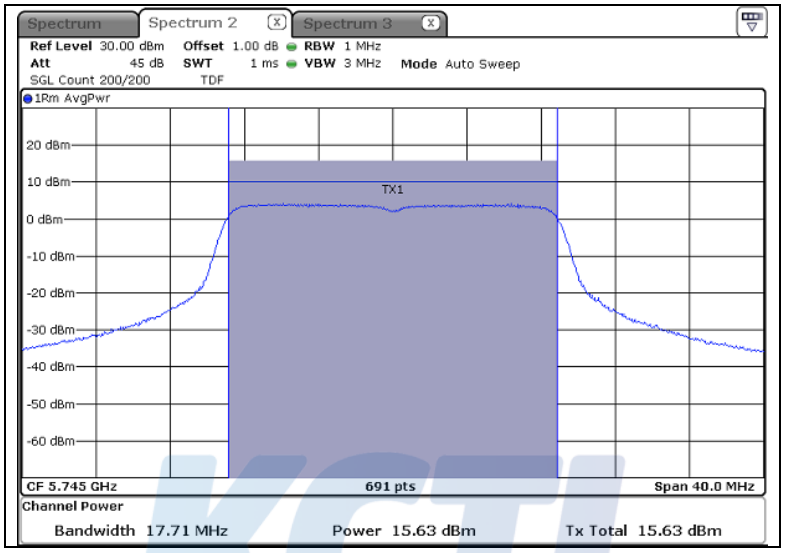
Lowest Channel (5 775 ㎒)



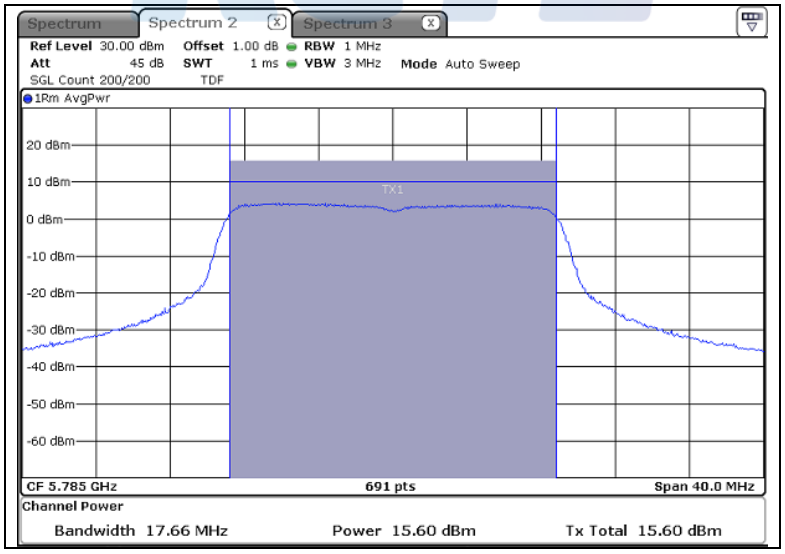
- MIMO 2 Tx (ANT 1)

-802.11n HT20

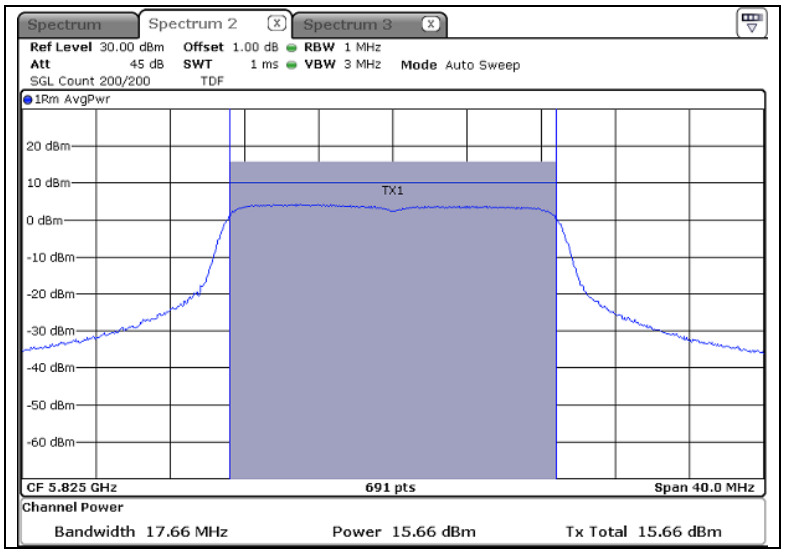
Lowest Channel (5 745 ㎒)



Middle Channel (5 785 ㎒)

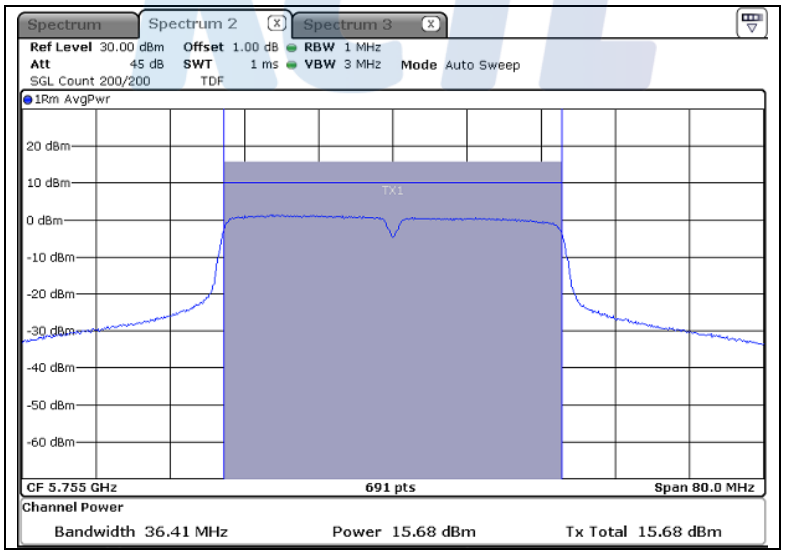


Highest Channel (5 825 ㎒)

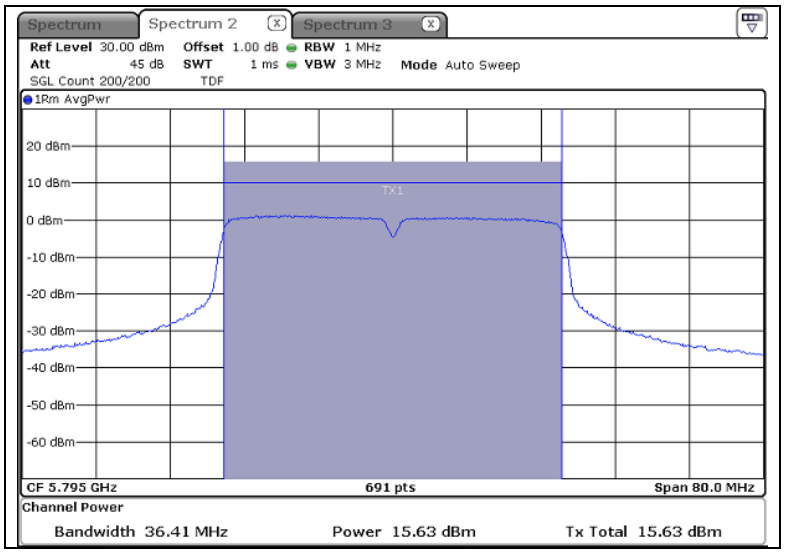


-802.11n HT40

Lowest Channel (5 755 ㎒)

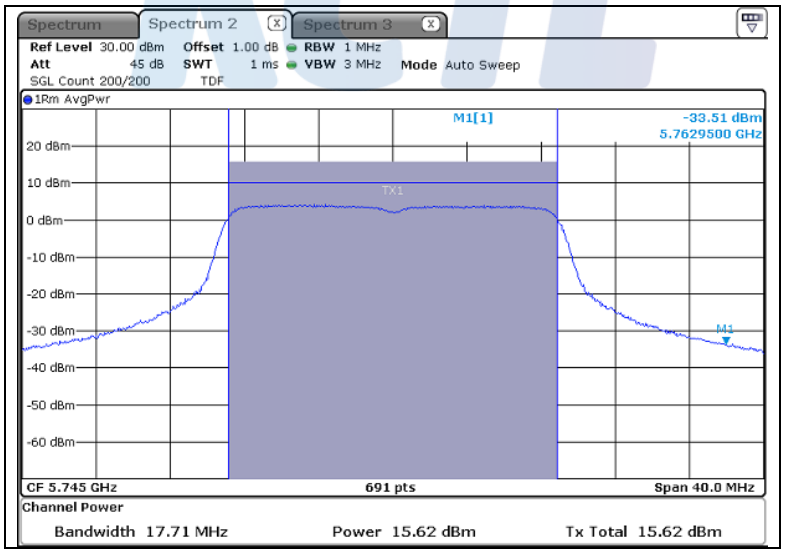


Middle Channel (5 795 ㎒)

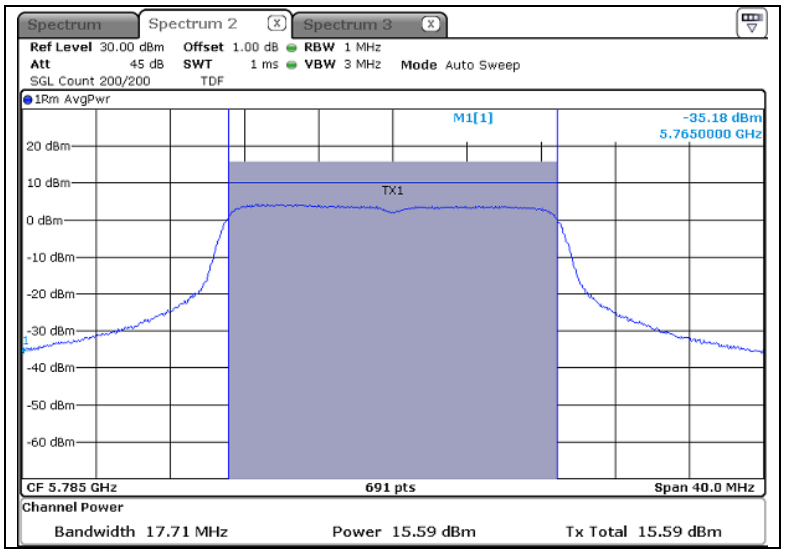


-802.11ac VHT20

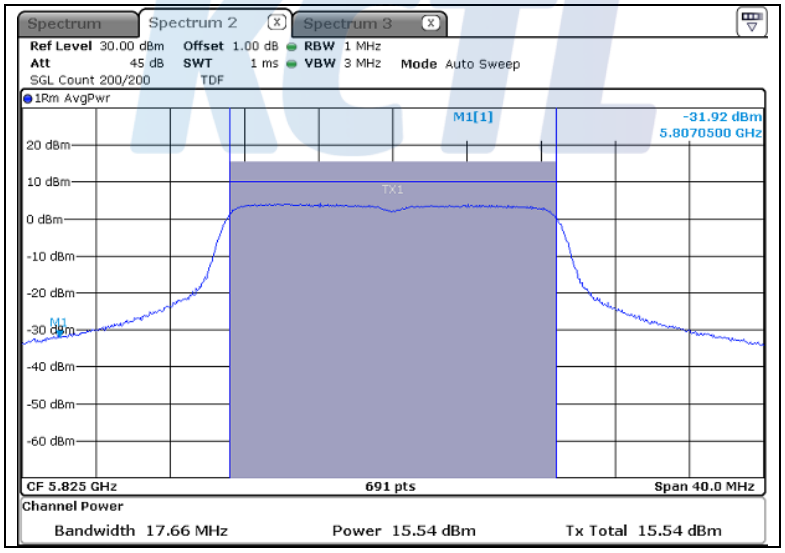
Lowest Channel (5 745 ㎒)



Middle Channel (5 785 ㎒)

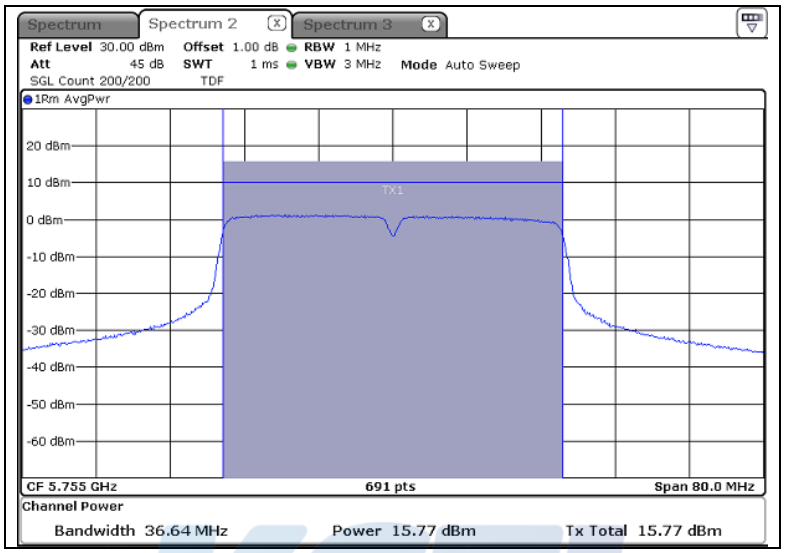


Highest Channel (5 825 ㎒)

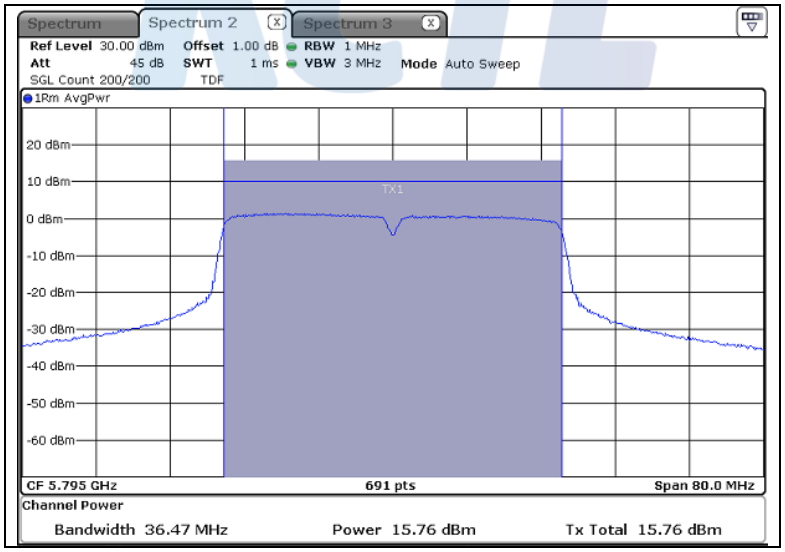


-802.11ac VHT40

Lowest Channel (5 755 ㎒)

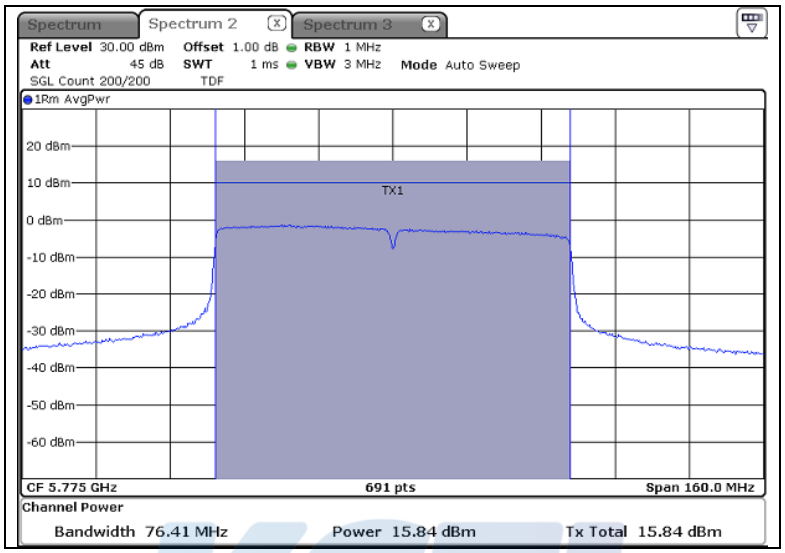


Highest Channel (5 795 ㎒)



-802.11ac VHT80

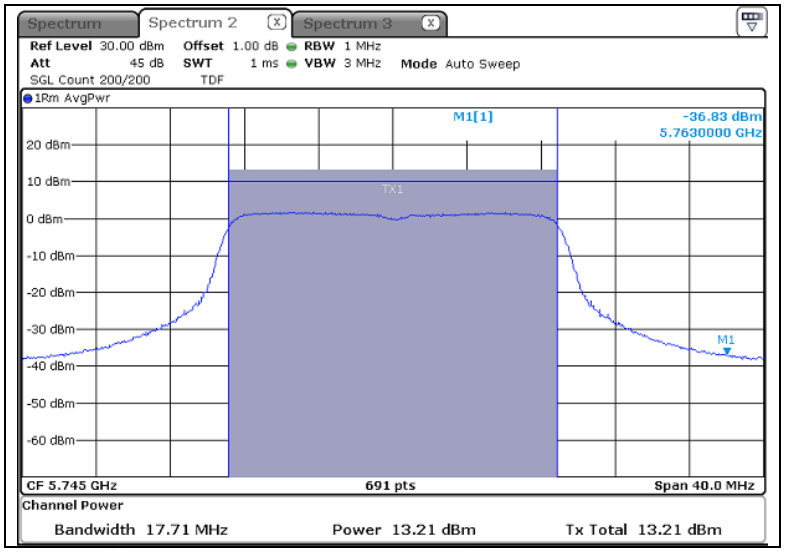
Lowest Channel (5 210 ㎒)



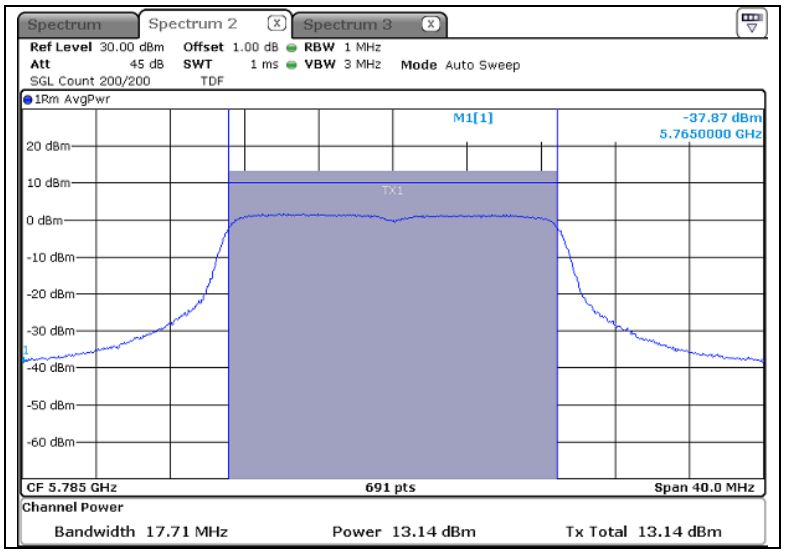
- MIMO 3 Tx (ANT 0)

-802.11n HT20

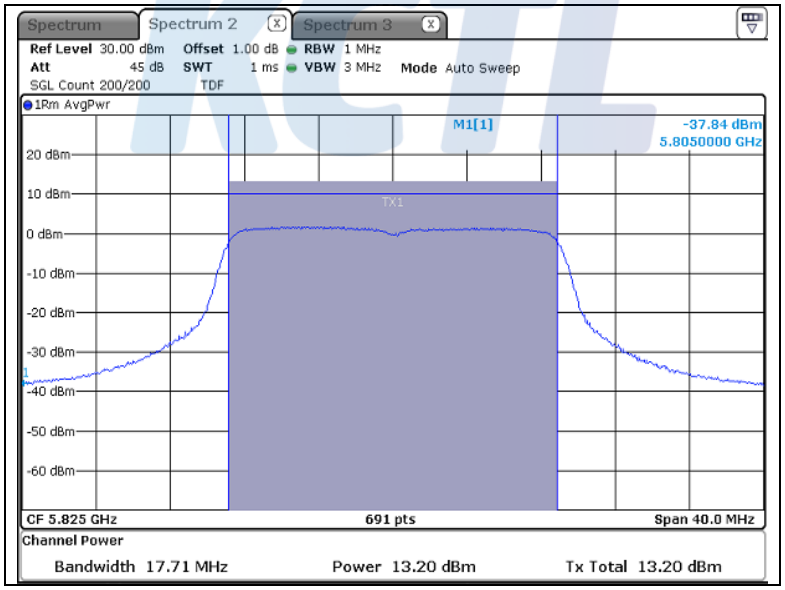
Lowest Channel (5 745 ㎒)



Middle Channel (5 785 ㎒)

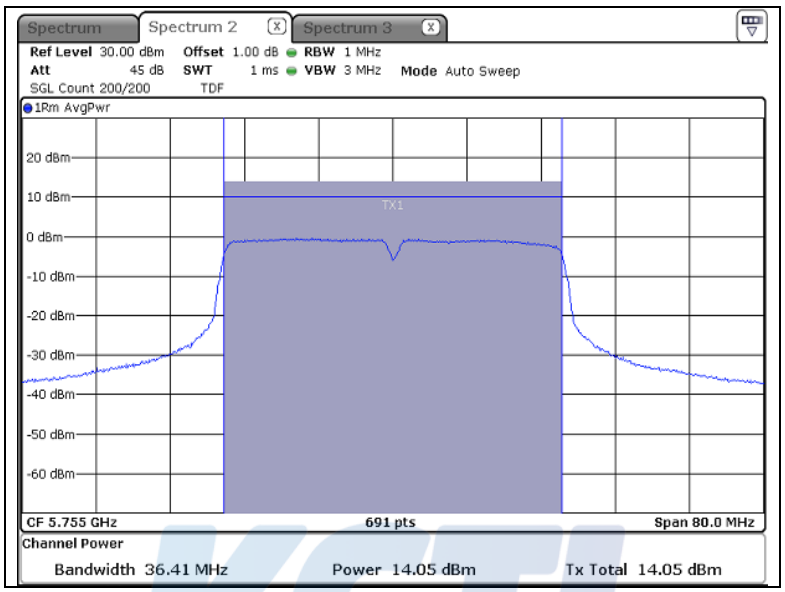


Highest Channel (5 825 ㎒)

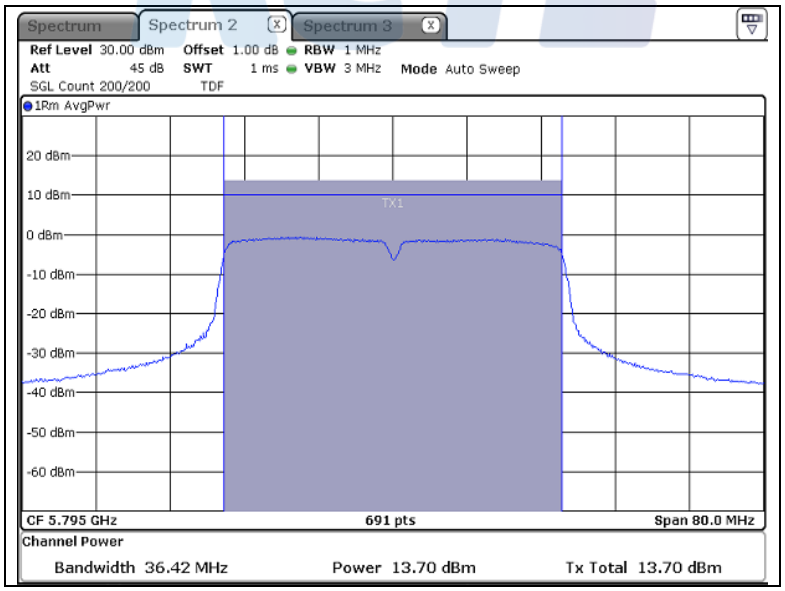


-802.11n HT40

Lowest Channel (5 755 ㎒)

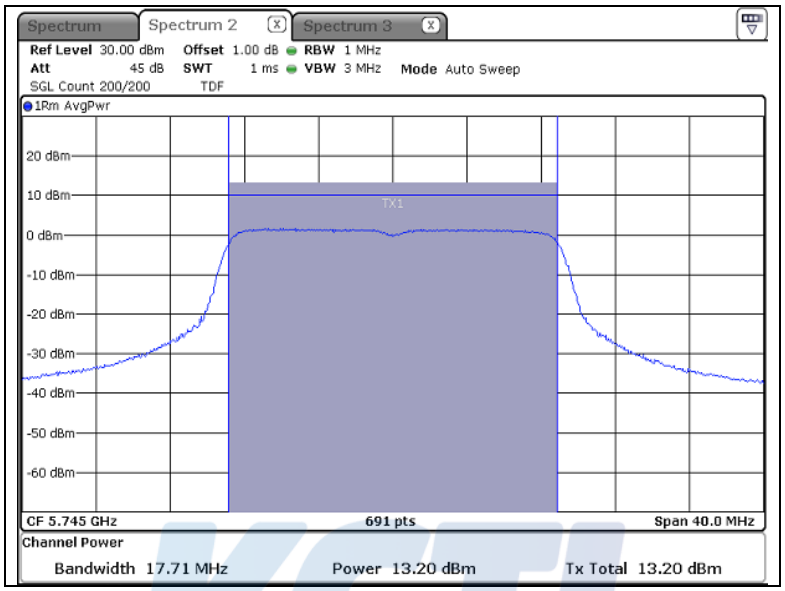


Middle Channel (5 795 ㎒)

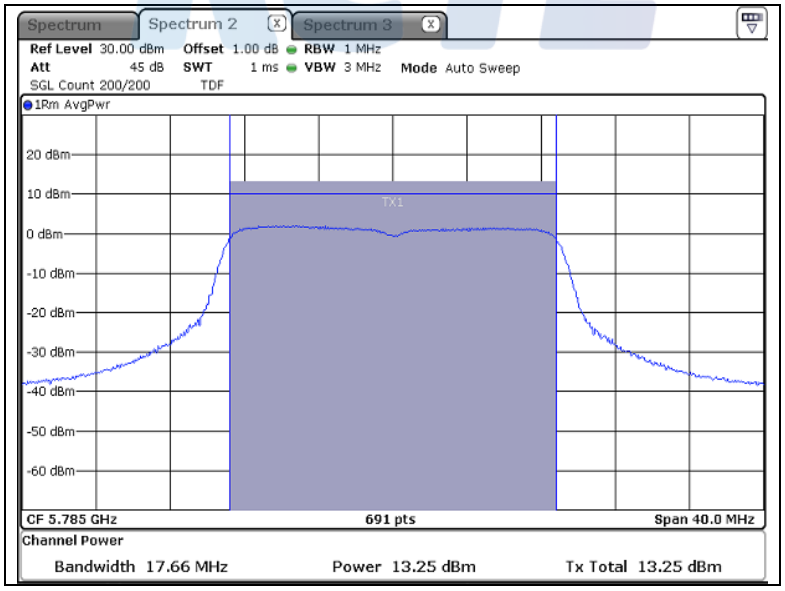


-802.11ac VHT20

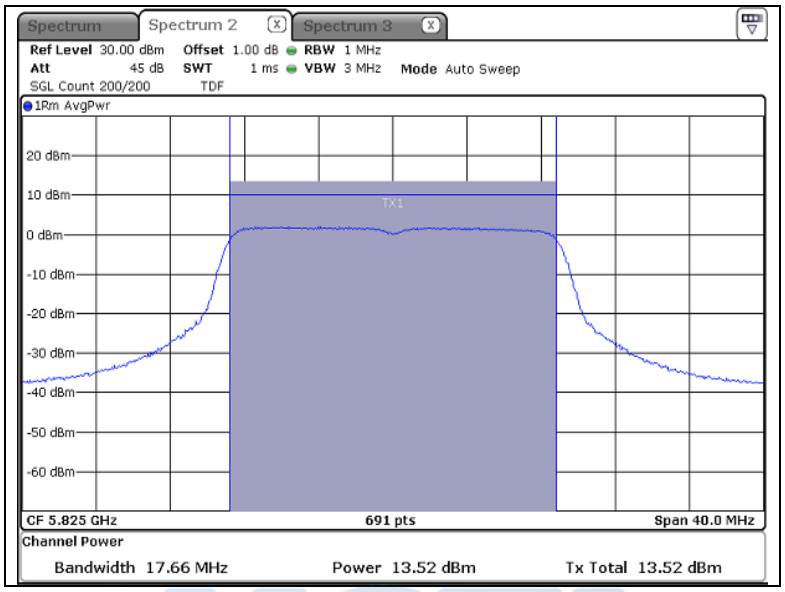
Lowest Channel (5 745 ㎒)



Middle Channel (5 785 ㎒)

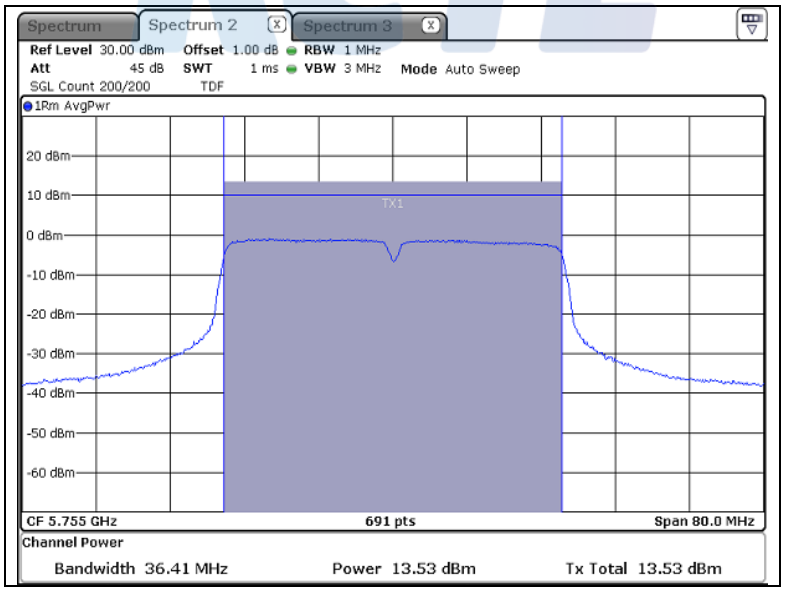


Highest Channel (5 825 ㎒)

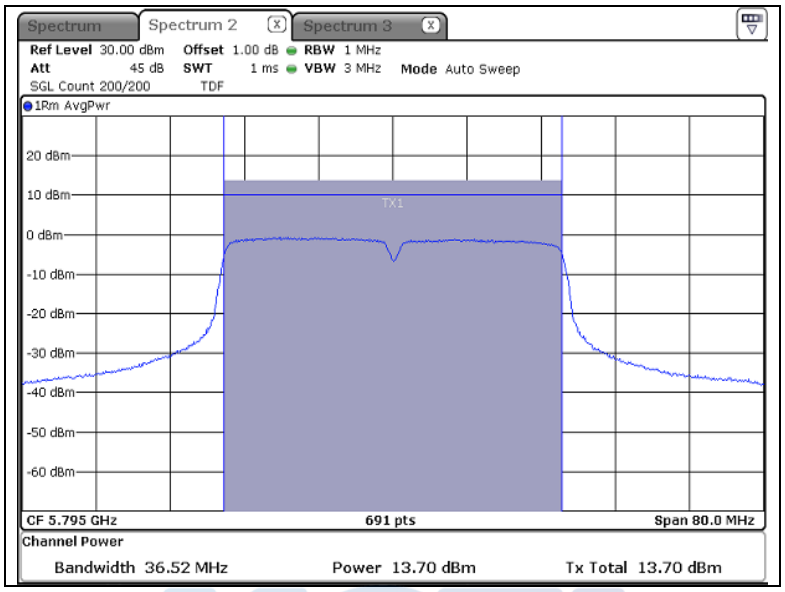


-802.11ac VHT40

Lowest Channel (5 755 ㎒)

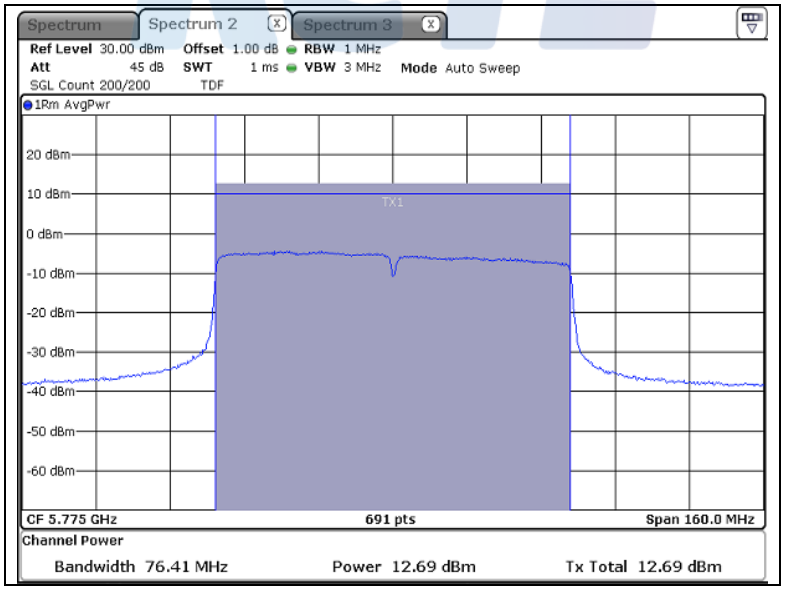


Middle Channel (5 795 ㎒)



-802.11ac VHT80

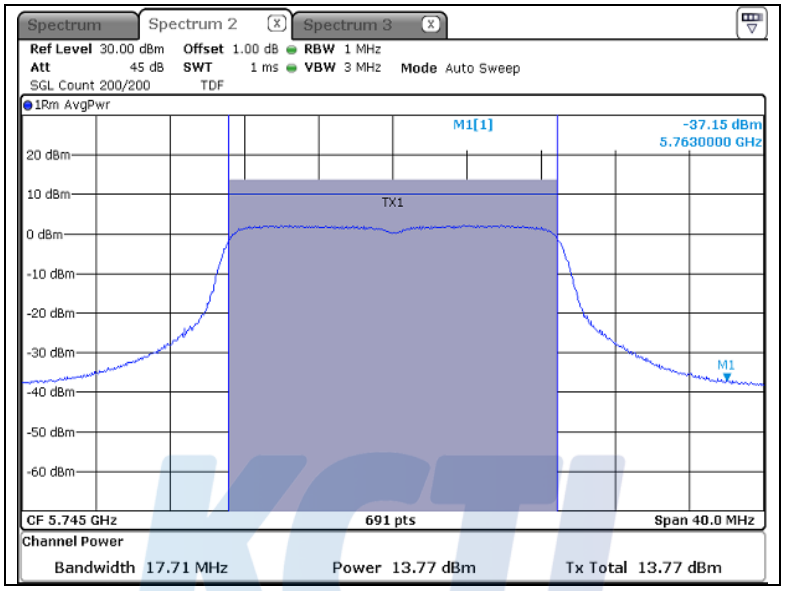
Lowest Channel (5 775 ㎒)



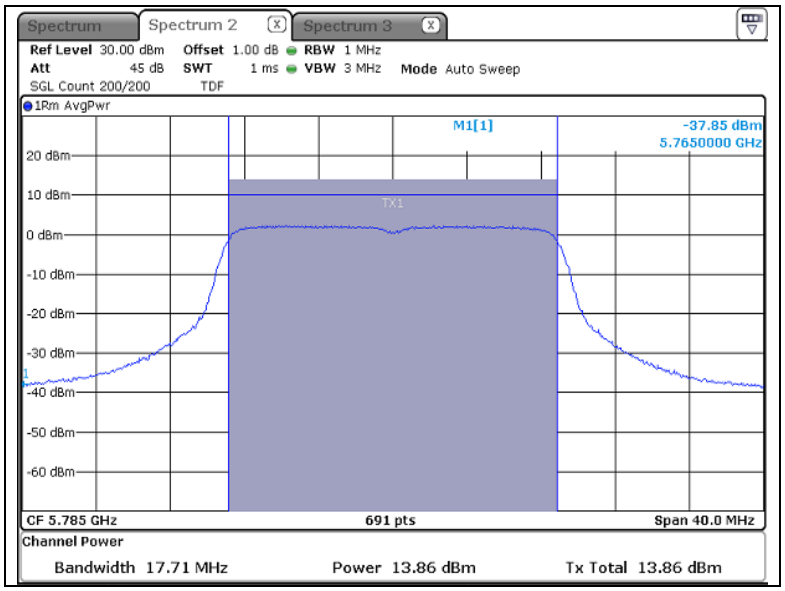
- MIMO 3 Tx (ANT 1)

-802.11n HT20

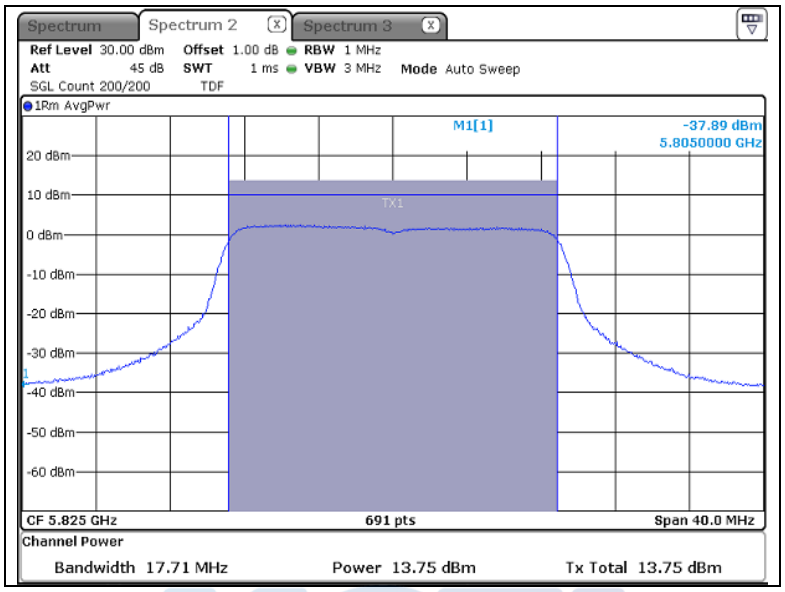
Lowest Channel (5 745 ㎒)



Middle Channel (5 785 ㎒)

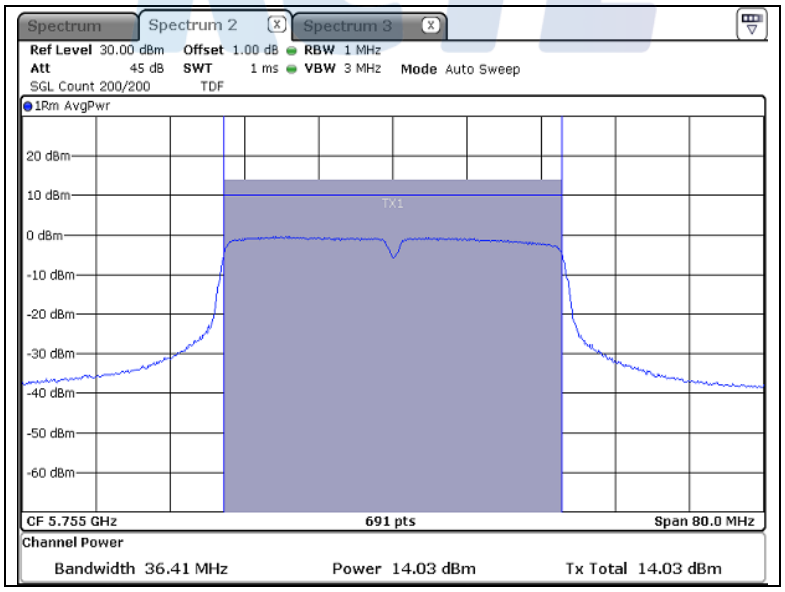


Highest Channel (5 825 ㎒)

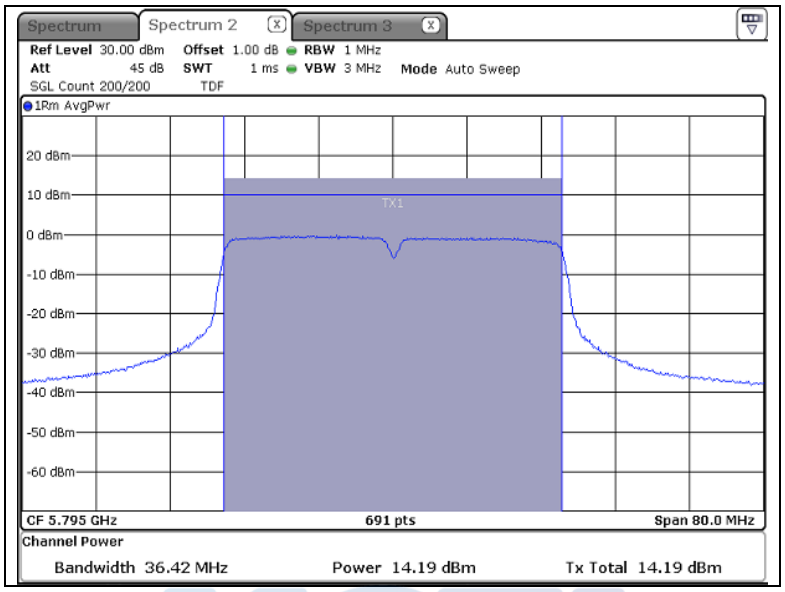


-802.11n HT40

Lowest Channel (5 755 ㎒)

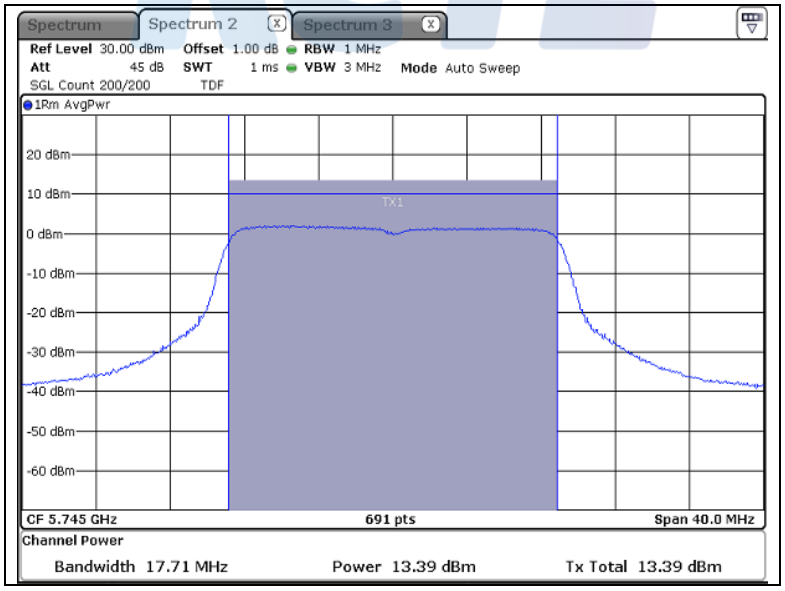


Middle Channel (5 795 ㎒)

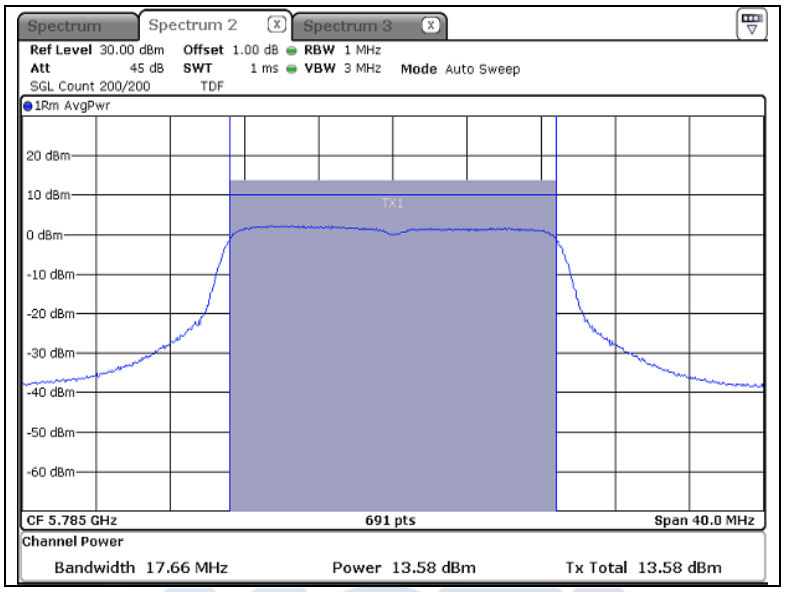


-802.11ac VHT20

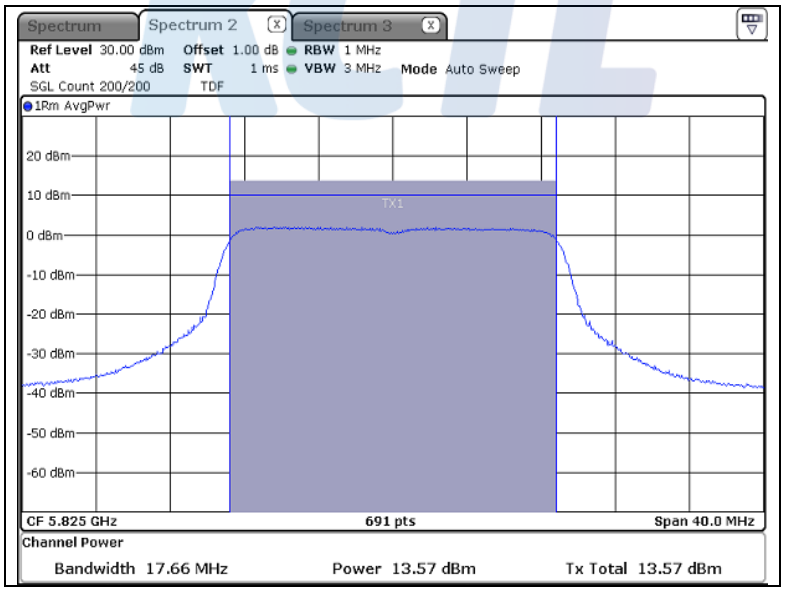
Lowest Channel (5 745 ㎒)



Middle Channel (5 785 ㎒)

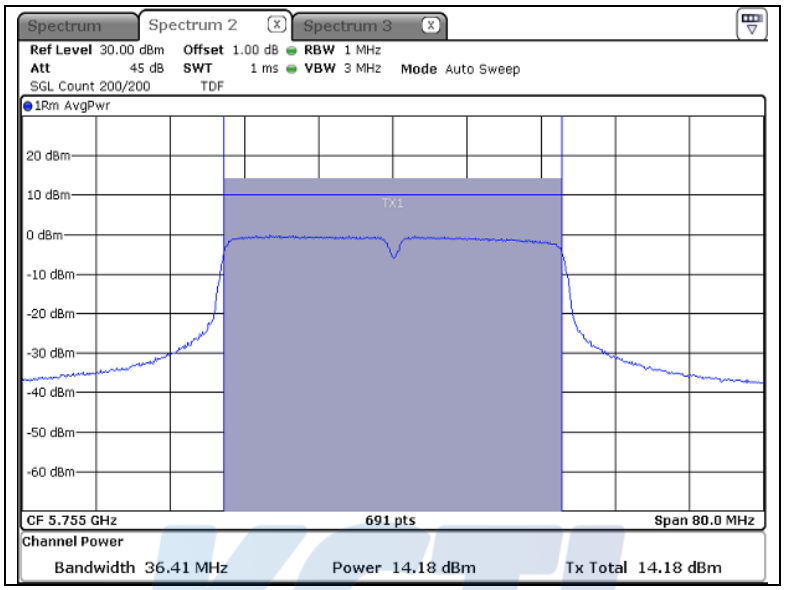


Highest Channel (5 825 ㎒)

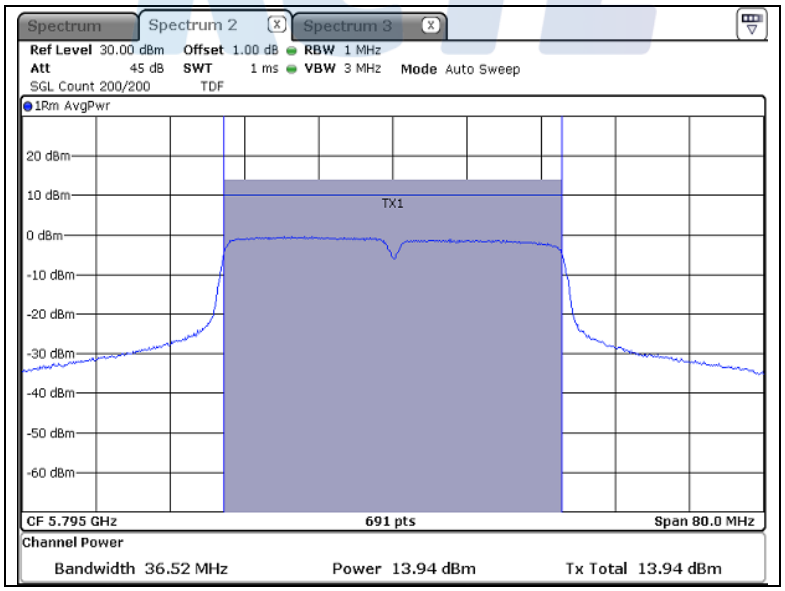


-802.11ac VHT40

Lowest Channel (5 755 ㎒)

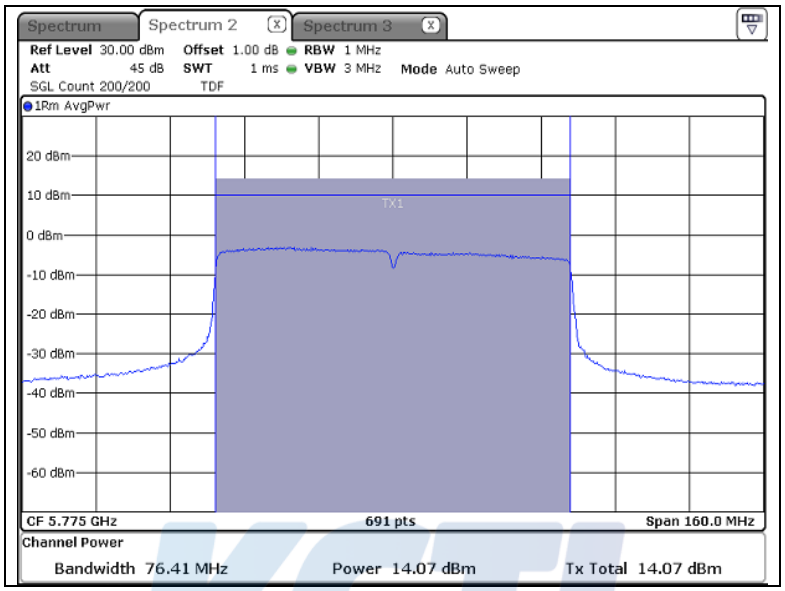


Highest Channel (5 795 ㎒)



-802.11ac VHT80

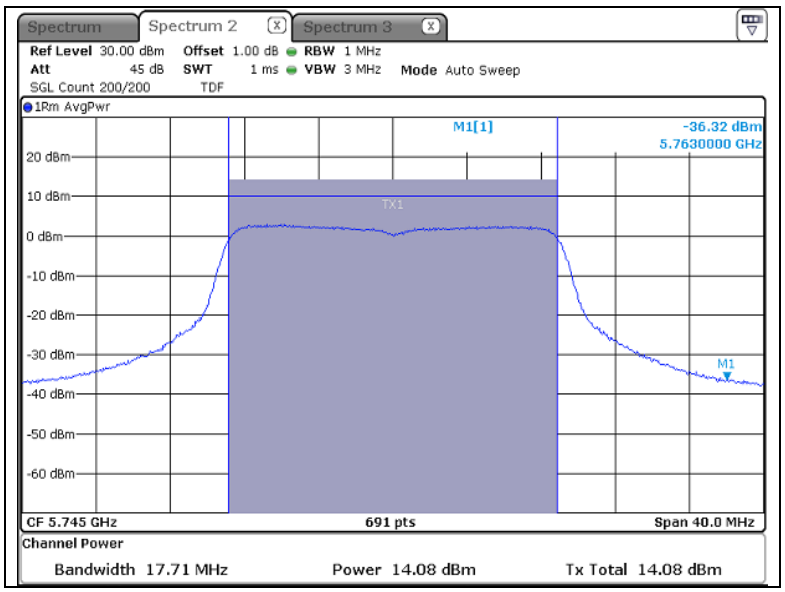
Lowest Channel (5 210 ㎒)



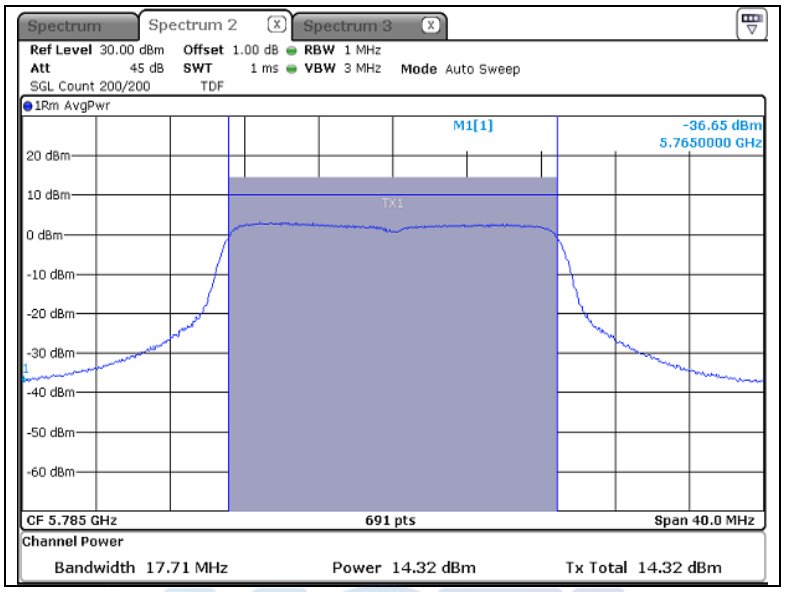
- MIMO 3 Tx (ANT 2)

-802.11n HT20

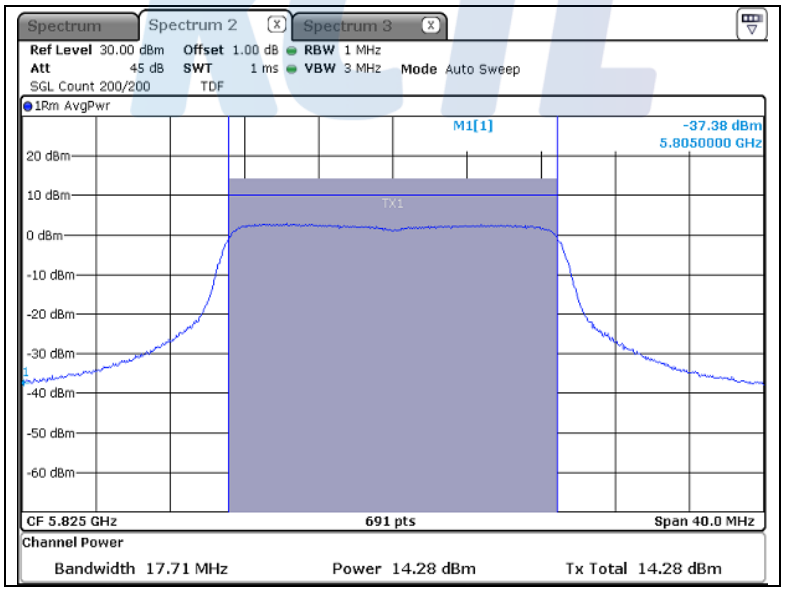
Lowest Channel (5 745 ㎒)



Middle Channel (5 785 ㎒)

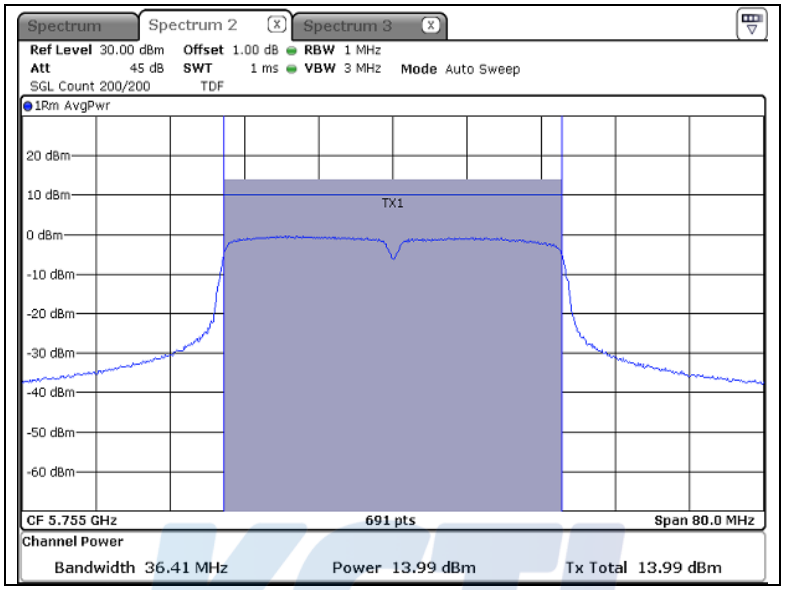


Highest Channel (5 825 ㎒)

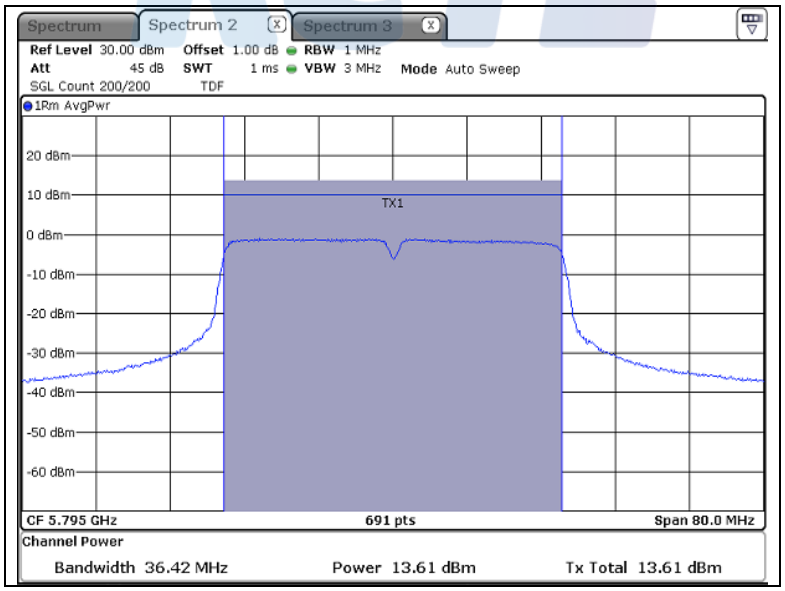


-802.11n HT40

Lowest Channel (5 755 ㎒)

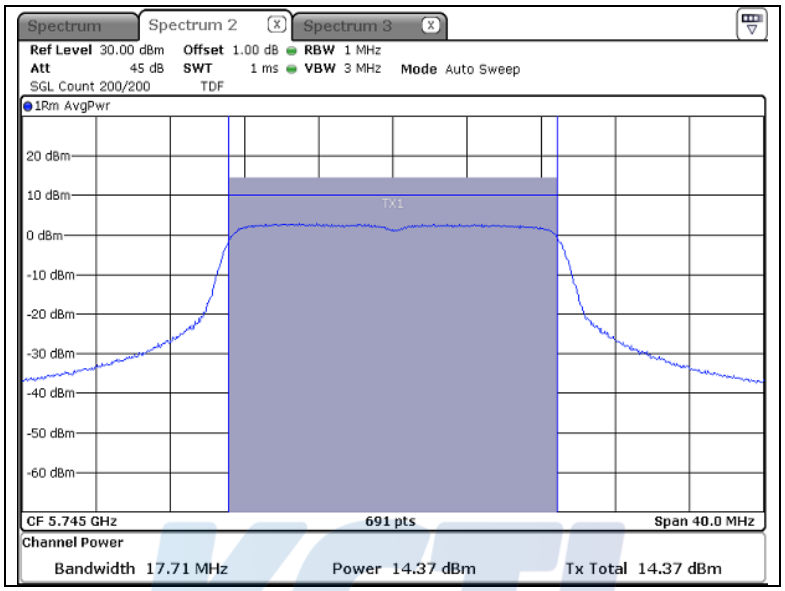


Middle Channel (5 795 ㎒)

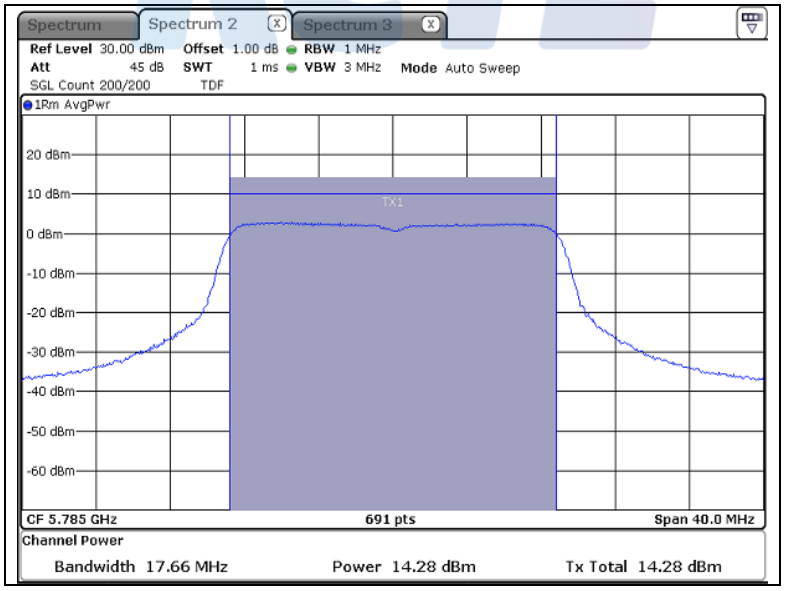


-802.11ac VHT20

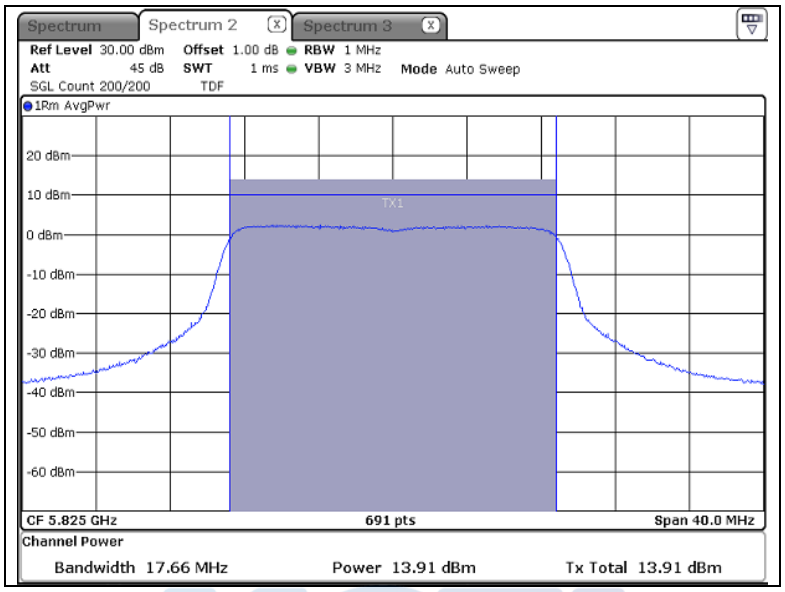
Lowest Channel (5 745 ㎒)



Middle Channel (5 785 ㎒)

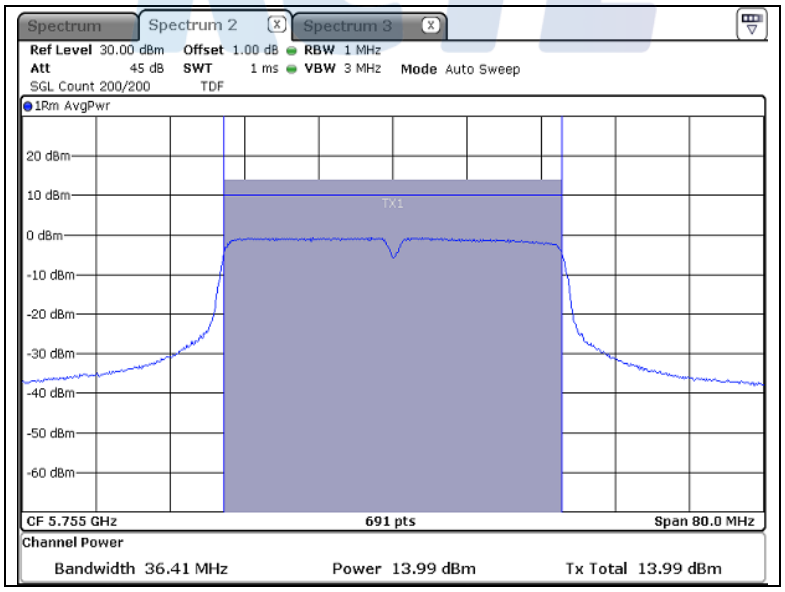


Highest Channel (5 825 ㎒)

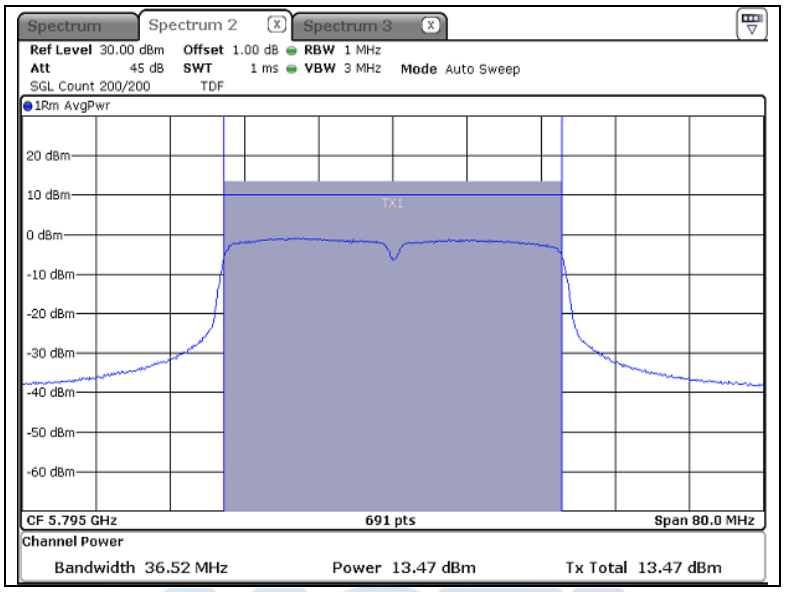


-802.11ac VHT40

Lowest Channel (5 755 ㎒)

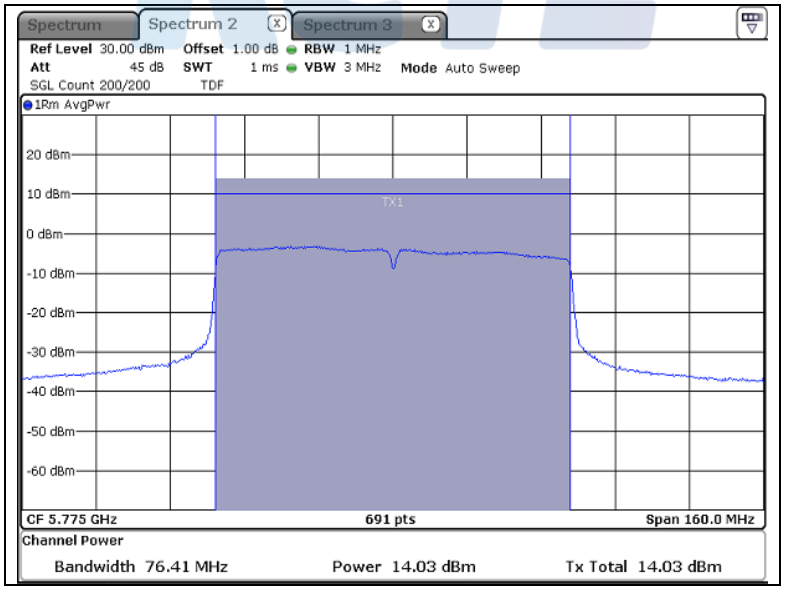


Middle Channel (5 795 ㎒)



-802.11ac VHT80

Lowest Channel (5 775 ㎒)



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 ㏈ 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 ㎓ band, the minimum 6 ㏈ bandwidth of U-NII devices shall be at least 500 ㎑.

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 ㏈ down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeatmeasurement as needed until the RBW/EBW ratio is approximately 1%.

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

Section 15.407(e) specifies the minimum 6 ㏈ emission bandwidth of at least 500 ㎑ for theband 5.715-5.85 ㎓. The following procedure shall be used for measuring this bandwidth:

a) Set RBW = 100 ㎑.
b) Set the video bandwidth (VBW) ≥ 3 × 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 associatedwith the two outermost amplitude points (upper and lower frequencies) that are attenuated by6 ㏈ 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 0

- 802.11a

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 180	24.37	0.50	17.13
Middle	5 200	24.43	0.50	17.02
Highest	5 240	24.60	0.50	17.13

- 802.11n HT20

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 180	24.26	0.50	18.06
Middle	5 200	24.20	0.50	18.00
Highest	5 240	24.49	0.50	18.12

- 802.11n HT40

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 190	44.92	0.50	36.58
Middle	5 230	43.42	0.50	36.47

- 802.11ac VHT20

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 180	24.54	0.50	18.12
Middle	5 200	24.66	0.50	18.12
Highest	5 240	24.37	0.50	18.06

- 802.11ac VHT40

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 190	44.57	0.50	36.47
Middle	5 230	43.88	0.50	36.70

- 802.11ac VHT80

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 210	84.98	0.50	75.72

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- 802.11a

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 180	24.31	0.50	17.02
Middle	5 200	24.20	0.50	17.13
Highest	5 240	24.20	0.50	17.08

- 802.11n HT20

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 180	24.43	0.50	18.12
Middle	5 200	23.79	0.50	17.95
Highest	5 240	24.31	0.50	18.06

- 802.11n HT40

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 190	44.23	0.50	36.58
Middle	5 230	43.42	0.50	36.70

- 802.11ac VHT20

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 180	24.14	0.50	18.06
Middle	5 200	23.56	0.50	18.06
Highest	5 240	23.62	0.50	18.06

- 802.11ac VHT40

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 190	44.46	0.50	36.47
Middle	5 230	43.53	0.50	36.47

- 802.11ac VHT80

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 210	85.44	0.50	75.95

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- 802.11a

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 180	22.58	0.50	16.96
Middle	5 200	22.92	0.50	16.96
Highest	5 240	22.63	0.50	16.90

- 802.11n HT20

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 180	23.10	0.50	18.06
Middle	5 200	23.62	0.50	17.89
Highest	5 240	22.92	0.50	18.00

- 802.11n HT40

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 190	44.46	0.50	36.47
Middle	5 230	44.69	0.50	36.47

- 802.11ac VHT20

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 180	23.68	0.50	18.00
Middle	5 200	23.10	0.50	18.06
Highest	5 240	22.98	0.50	17.95

- 802.11ac VHT40

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 190	43.30	0.50	36.47
Middle	5 230	43.42	0.50	36.58

- 802.11ac VHT80

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 210	84.52	0.50	76.18

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- MIMO (ANT 0+1)

- 802.11n HT20

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 180	23.10	0.50	18.00
Middle	5 200	22.92	0.50	17.89
Highest	5 240	22.75	0.50	18.06

- 802.11n HT40

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 190	44.11	0.50	36.70
Middle	5 230	44.69	0.50	36.58

- 802.11ac VHT20

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 180	22.63	0.50	17.95
Middle	5 200	22.98	0.50	18.00
Highest	5 240	22.98	0.50	18.00

- 802.11ac VHT40

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 190	43.99	0.50	36.47
Middle	5 230	43.88	0.50	36.47

- 802.11ac VHT80

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 210	85.44	0.50	76.18

- MIMO (ANT 0+1+3)

- 802.11n HT20

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 180	22.92	0.50	17.89
Middle	5 200	22.29	0.50	18.00
Highest	5 240	22.58	0.50	17.95

- 802.11n HT40

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 190	44.92	0.50	36.58
Middle	5 230	43.30	0.50	36.58

- 802.11ac VHT20

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 180	22.63	0.50	17.89
Middle	5 200	22.58	0.50	17.89
Highest	5 240	22.98	0.50	17.89

- 802.11ac VHT40

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 190	44.46	0.50	36.47
Middle	5 230	43.99	0.50	36.58

- 802.11ac VHT80

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 210	84.98	0.50	76.18

- 5 725 Band

- Ant 0

- 802.11a

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 745	16.44	0.50	17.31
Middle	5 785	16.38	0.50	17.37
Highest	5 825	16.44	0.50	17.13

- 802.11n HT20

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 745	17.66	0.50	18.23
Middle	5 785	17.66	0.50	18.12
Highest	5 825	17.66	0.50	18.12

- 802.11n HT40

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 755	36.35	0.50	37.28
Middle	5 795	36.52	0.50	36.82

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- 802.11ac VHT20

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 745	17.66	0.50	18.29
Middle	5 785	17.66	0.50	18.18
Highest	5 825	17.66	0.50	18.12

- 802.11ac VHT40

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 755	36.64	0.50	37.16
Middle	5 795	36.42	0.50	36.82

- 802.11ac VHT80

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 775	76.18	0.50	76.18

- Ant 1

- 802.11a

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 745	16.50	0.50	17.13
Middle	5 785	16.38	0.50	17.13
Highest	5 825	16.38	0.50	17.02

- 802.11n HT20

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 745	17.66	0.50	18.06
Middle	5 785	17.66	0.50	18.12
Highest	5 825	17.66	0.50	18.00

- 802.11n HT40

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 755	35.92	0.50	36.93
Middle	5 795	36.41	0.50	36.82

- 802.11ac VHT20

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 745	17.66	0.50	18.12
Middle	5 785	17.66	0.50	18.12
Highest	5 825	17.66	0.50	18.12

- 802.11ac VHT40

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 755	36.53	0.50	36.93
Middle	5 795	36.53	0.50	36.70

- 802.11ac VHT80

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 775	75.72	0.50	75.95

- Ant 2

- 802.11a

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 745	16.50	0.50	16.96
Middle	5 785	16.44	0.50	17.02
Highest	5 825	16.44	0.50	16.85

- 802.11n HT20

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 745	17.66	0.50	18.12
Middle	5 785	17.66	0.50	18.06
Highest	5 825	17.66	0.50	17.95

- 802.11n HT40

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 755	36.38	0.50	36.70
Middle	5 795	36.52	0.50	36.82

- 802.11ac VHT20

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 745	17.66	0.50	18.06
Middle	5 785	17.66	0.50	18.00
Highest	5 825	17.66	0.50	18.00

- 802.11ac VHT40

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 755	36.41	0.50	36.58
Middle	5 795	36.18	0.50	36.82

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- 802.11ac VHT80

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 775	75.95	0.50	75.95

- MIMO (ANT 0+1)

- 802.11n HT20

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 745	17.71	0.50	17.95
Middle	5 785	17.66	0.50	17.83
Highest	5 825	17.66	0.50	18.06

- 802.11n HT40

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 755	36.41	0.50	36.70
Middle	5 795	36.41	0.50	36.47

- 802.11ac VHT20

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 745	17.71	0.50	18.06
Middle	5 785	17.71	0.50	17.89
Highest	5 825	17.66	0.50	18.00

- 802.11ac VHT40

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 755	36.64	0.50	36.58
Middle	5 795	36.47	0.50	36.58

- 802.11ac VHT80

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 775	76.41	0.50	76.41

- MIMO (ANT 0+1+2)

- 802.11n HT20

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 745	17.71	0.50	18.00
Middle	5 785	17.71	0.50	17.95
Highest	5 825	17.71	0.50	17.95

- 802.11n HT40

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 755	36.41	0.50	36.58
Middle	5 795	36.42	0.50	36.35

- 802.11ac VHT20

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 745	17.71	0.50	17.95
Middle	5 785	17.66	0.50	18.00
Highest	5 825	17.66	0.50	17.89

- 802.11ac VHT40

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 755	36.41	0.50	36.47
Middle	5 795	36.52	0.50	36.82

- 802.11ac VHT80

Channel	Frequency [㎒]	6 ㏈ Bandwidth [㎒]	Min. Limit [㎒]	OBW [㎒]
Lowest	5 775	76.41	0.50	75.95

This test report shall not be reproduced, except in full, without the written approval

5.3.4 Test Plot

Figure 1. Plot of Bandwidth Measurement

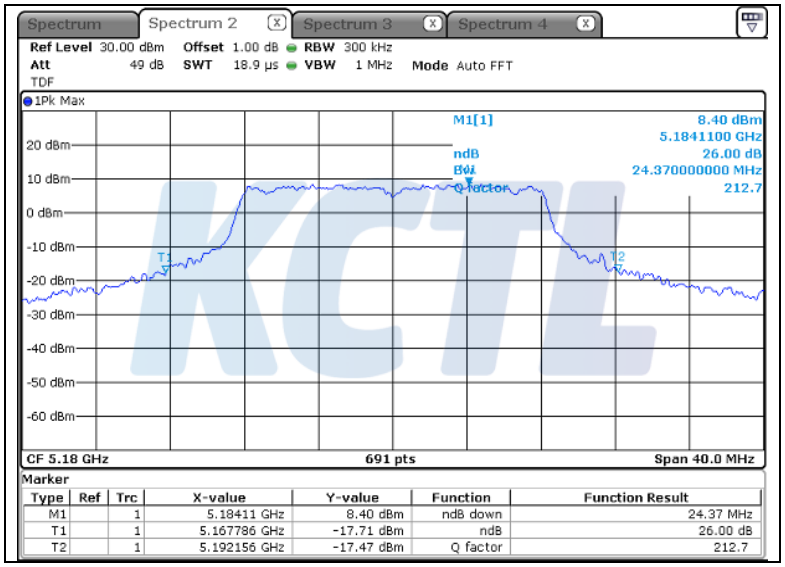
- 5 150 Band

Ant 0

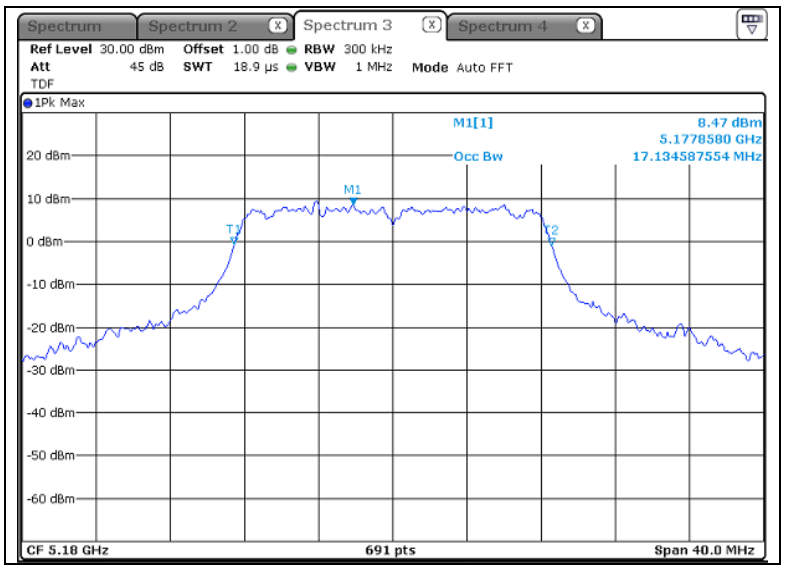
- 802.11a

- 5 180 ㎒

EBW

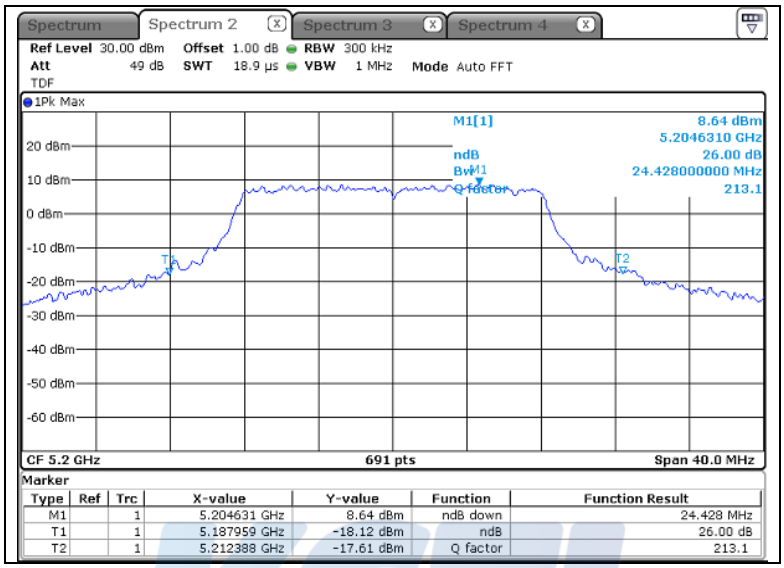


OBW

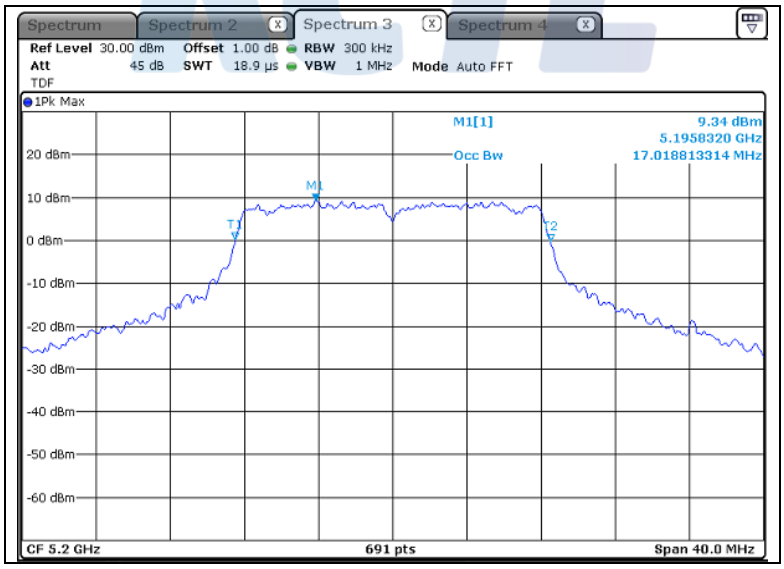


- 5 200 ㎒

EBW

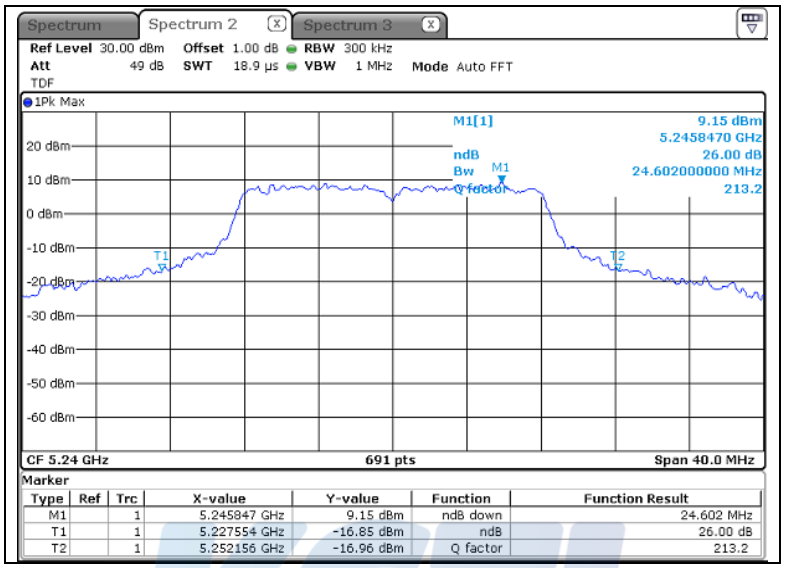

Spectrum
Spectrum 2
Spectrum 3
Spectrum 4
Ref Level 30.00 dBm Offset 1.00 dB RBW 300 kHz
Att 49 dB SWT 18.9 µs VBW 1 MHz Mode Auto FFT
TDF
1Pk Max
M1[1] 8.64 dBm
5.2046310 GHz
ndB 26.00 dB
Bw 24.428000000 MHz
Q factor 213.1
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
CF 5.2 GHz
691 pts
Span 40.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 5.204631 GHz 8.64 dBm ndB down 24.428 MHz
T1 1 5.187959 GHz -18.12 dBm ndB 26.00 dB
T2 1 5.212388 GHz -17.61 dBm Q factor 213.1

OBW

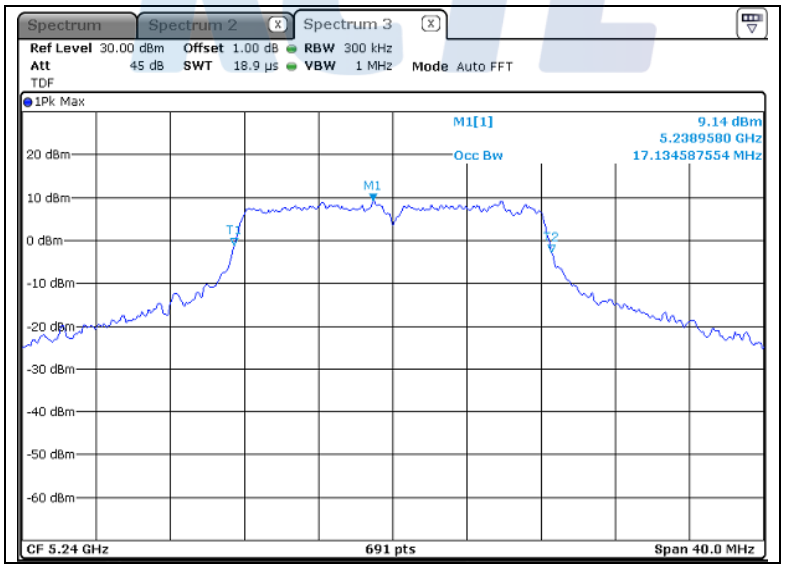

Spectrum
Spectrum 2
Spectrum 3
Spectrum 4
Ref Level 30.00 dBm Offset 1.00 dB RBW 300 kHz
Att 45 dB SWT 18.9 µs VBW 1 MHz Mode Auto FFT
TDF
1Pk Max
M1[1] 9.34 dBm
5.1958320 GHz
Occ Bw 17.018813314 MHz
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
CF 5.2 GHz
691 pts
Span 40.0 MHz

- 5 240 ㎒

EBW


Spectrum
Spectrum 2
Spectrum 3
Ref Level 30.00 dBm Offset 1.00 dB RBW 300 kHz
Att 49 dB SWT 18.9 µs VBW 1 MHz Mode Auto FFT
TDF
1Pk Max
M1[1] 9.15 dBm
5.2458470 GHz
ndB 26.00 dB
Bw 24.602000000 MHz
Q factor 213.2
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
T1
T2
M1
CF 5.24 GHz
691 pts
Span 40.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 5.245847 GHz 9.15 dBm ndB down 24.602 MHz
T1 1 5.227554 GHz -16.85 dBm ndB 26.00 dB
T2 1 5.252156 GHz -16.96 dBm Q factor 213.2

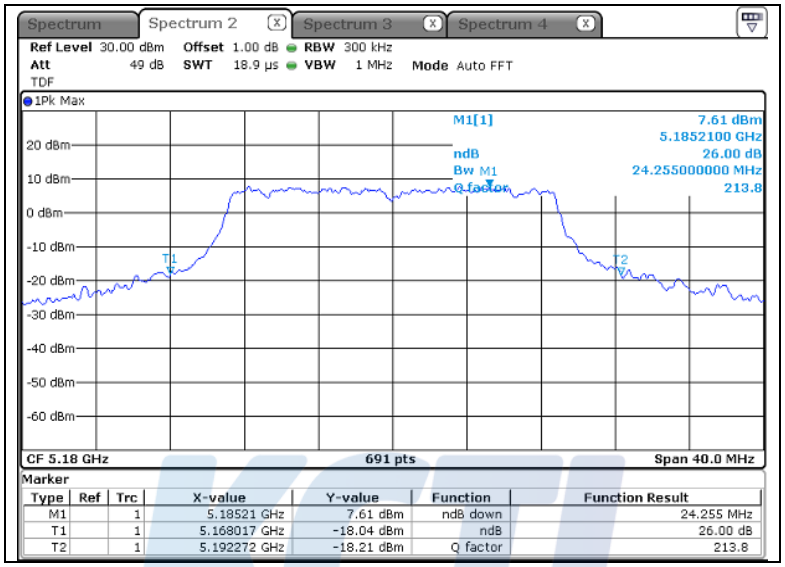
OBW


Spectrum
Spectrum 2
Spectrum 3
Ref Level 30.00 dBm Offset 1.00 dB RBW 300 kHz
Att 45 dB SWT 18.9 µs VBW 1 MHz Mode Auto FFT
TDF
1Pk Max
M1[1] 9.14 dBm
5.2389580 GHz
Occ Bw 17.134587554 MHz
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
M1
T1
T2
CF 5.24 GHz
691 pts
Span 40.0 MHz

- 802.11n HT20

- 5 180 ㎒

EBW



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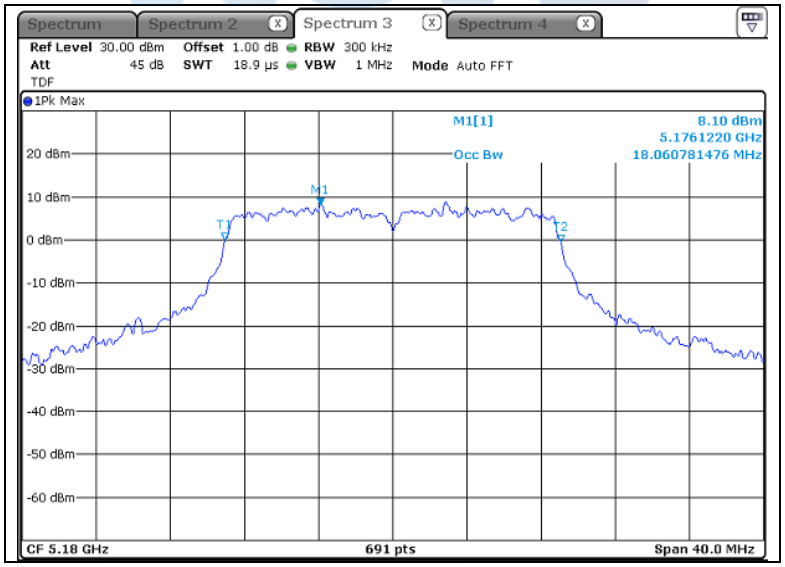
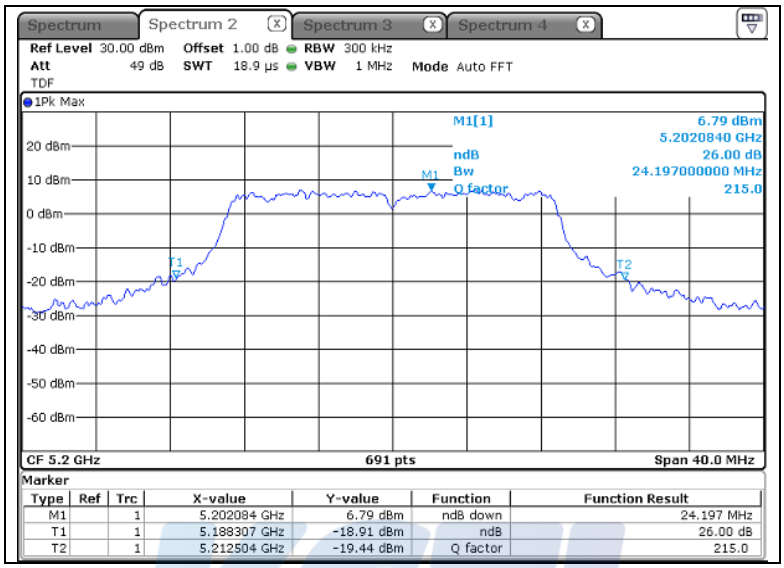


- 5 200 ㎒

EBW

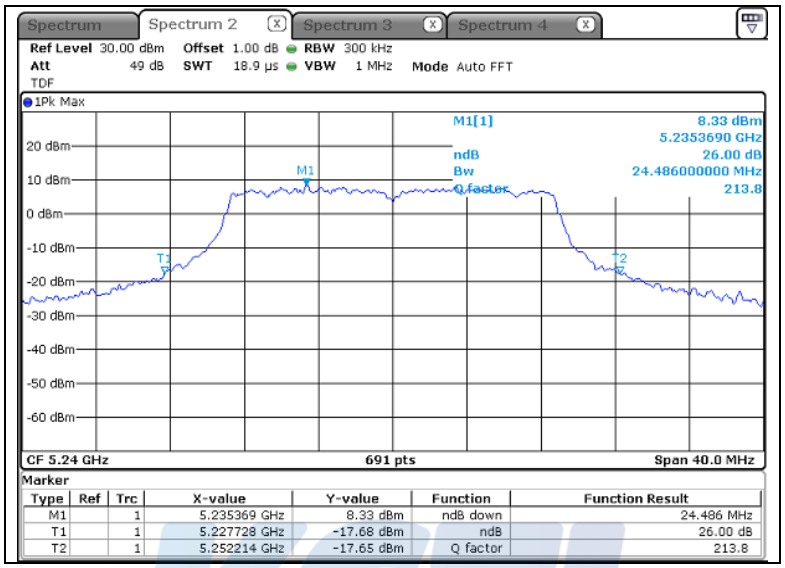

Spectrum
Spectrum 2
Spectrum 3
Spectrum 4
Ref Level 30.00 dBm Offset 1.00 dB RBW 300 kHz
Att 49 dB SWT 18.9 µs VBW 1 MHz Mode Auto FFT
TDF
1Pk Max
M1[1] 6.79 dBm
5.2020840 GHz
ndB 26.00 dB
Bw 24.197000000 MHz
Q factor 215.0
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
CF 5.2 GHz
691 pts
Span 40.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 5.202084 GHz 6.79 dBm ndB down 24.197 MHz
T1 1 5.188307 GHz -18.91 dBm ndB 26.00 dB
T2 1 5.212504 GHz -19.44 dBm Q factor 215.0

OBW

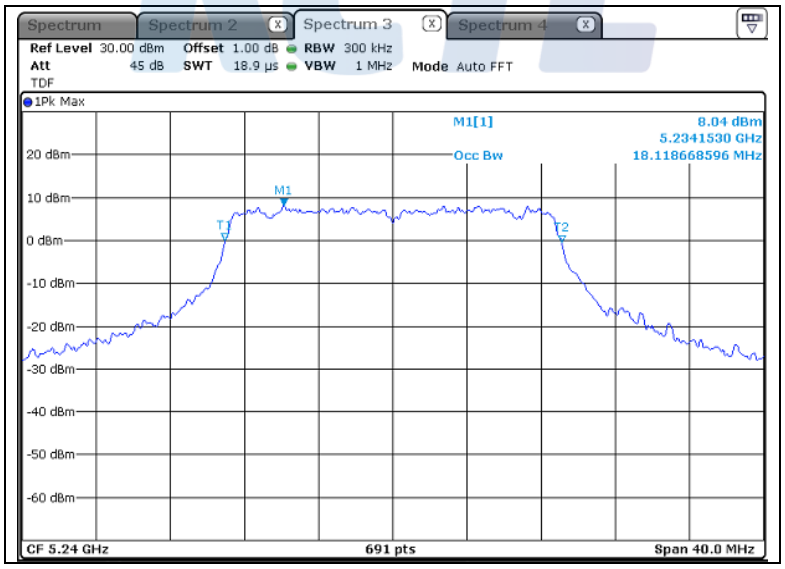
Spectrum
Spectrum 2
Spectrum 3
Spectrum 4
Ref Level 30.00 dBm Offset 1.00 dB RBW 300 kHz
Att 45 dB SWT 18.9 µs VBW 1 MHz Mode Auto FFT
TDF
1Pk Max
M1[1] 8.47 dBm
5.1939800 GHz
Occ Bw 18.002894356 MHz
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
CF 5.2 GHz
691 pts
Span 40.0 MHz

- 5 240 ㎒

EBW


Spectrum
Spectrum 2
Spectrum 3
Spectrum 4
Ref Level 30.00 dBm Offset 1.00 dB RBW 300 kHz
Att 49 dB SWT 18.9 µs VBW 1 MHz Mode Auto FFT
TDF
1Pk Max
M1[1] 8.33 dBm
5.2353690 GHz
ndB 26.00 dB
Bw 24.486000000 MHz
Q factor 213.8
M1
T1
T2
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
CF 5.24 GHz
691 pts
Span 40.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 5.235369 GHz 8.33 dBm ndB down 24.486 MHz
T1 1 5.227728 GHz -17.68 dBm ndB 26.00 dB
T2 1 5.252214 GHz -17.65 dBm Q factor 213.8

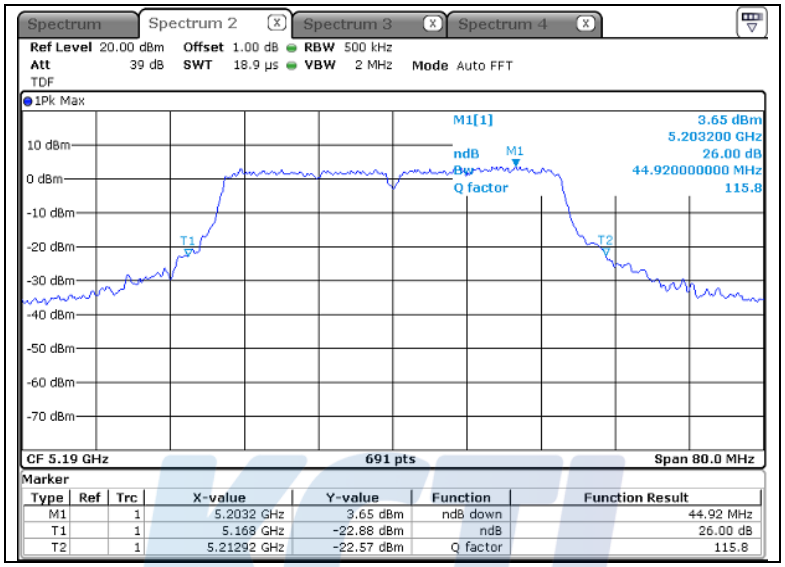
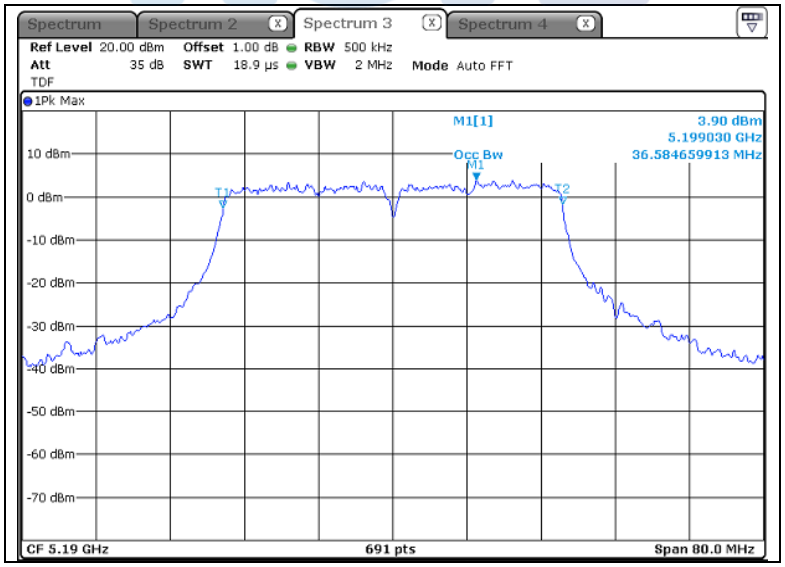
OBW


Spectrum
Spectrum 2
Spectrum 3
Spectrum 4
Ref Level 30.00 dBm Offset 1.00 dB RBW 300 kHz
Att 45 dB SWT 18.9 µs VBW 1 MHz Mode Auto FFT
TDF
1Pk Max
M1[1] 8.04 dBm
5.2341530 GHz
Occ Bw 18.118668596 MHz
M1
T1
T2
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
CF 5.24 GHz
691 pts
Span 40.0 MHz

- 802.11n HT40

- 5 190 ㎒

EBW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