

A.6: Conducted Spurious Emissions

Conducted Spurious Emissions Test Requirement

LP0002 (2020-07-01) (5.7.4.2):

For transmitters operating in the 5.725 GHz~5.850 GHz band: All emissions within the frequency range from the band edge to 5 MHz above or below the band edge shall be less than or equal to an EIRP of 27 dBm/MHz~15.6 dBm/MHz (limits corresponding to linear method); all emissions within the frequency range from the band edge to 5 MHz~25 MHz above or below the band edge shall be less than or equal to an EIRP of 15.6 dBm/MHz~10 dBm/MHz (limits corresponding to linear method); all emissions within the frequency range from the band edge to 25 MHz~75 MHz above or below the band edge shall be less than or equal to an EIRP of 10 dBm/MHz~ -27 dBm/MHz (limits corresponding to linear method); for frequencies 75 MHz or greater above or below the band edge, emissions shall be less than or equal to an EIRP of -27 dBm/MHz; for the mask limit, please see Figure 4.

15.407:

(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.

(7) The provisions of §15.205 apply to intentional radiators operating under this section.

15.205 | 15.209:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

Use formula below to substitute conducted measurements in place of radiated measurements

$E[\text{dB}\mu\text{V/m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77$, where E = field strength and d = 3 meter

1) Average Plot, Limit= -41.25 dBm eirp

2) Peak plot, Limit = -21.25 dBm eirp

Conducted Spurious Emissions Test Procedure

From KDB 789033 D02 General UNII Test Procedures New Rules v02r01
ANSI C63.10: 2013

Conducted Spurious Emissions Test Procedure
1. Connect the antenna port(s) to the spectrum analyzer input. 2. Place the radio in continuous transmit mode 3. Configure Spectrum analyzer as per test parameters below (be sure to enter all losses between the transmitter output and the spectrum analyzer). 4. Use the peak marker function to determine the maximum spurs amplitude level. 5. Out-of-band and spurious emissions tests are performed on each output individually without summing or adding 10 log(N) since the measurements are made relative to the in-band emissions on the individual outputs. The worst-case output is recorded. 6. Capture graphs and record pertinent measurement data. ISED: 1. Connect the antenna port(s) to the spectrum analyzer input. 2. Place the radio in continuous transmit mode 3. Configure Spectrum analyzer as per test parameters below (be sure to enter all losses between the transmitter output and the spectrum analyzer). 4. Use the peak marker function to determine the maximum spurs amplitude level. 5. The "measure-and-sum technique" is used for measuring in-band transmit power of a device. In the measure-and-sum approach, the conducted emission level is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in linear power units. The worst-case output is recorded. (see ANSI C63.10:2013 section 14.3.2.2) 6. Capture graphs and record pertinent measurement data.

Ref. KDB 789033 D02 General UNII Test Procedures New Rules v02r01, Sec. 5 (Peak), Sec. 6 (Average Method AD)
ANSI C63.10: 2013 Section 12.7.6 (Peak), Section 12.7.7.2 (Method AD)

Conducted Spurious Emissions	
Test parameters	
Peak Span = 30MHz to 26.5GHz / 26.5GHz to 40GHz RBW = 1 MHz VBW ≥ 3 MHz Sweep = Auto couple Detector = Peak Trace = Max Hold.	Average Span = 30MHz to 26.5GHz / 26.5GHz to 40GHz RBW = 1 MHz VBW ≥ 3 MHz Sweep = Auto couple Detector = RMS Power Averaging

Add the max antenna gain + ground reflection factor (4.7 dB for frequencies between 30 MHz and 1000 MHz, and 0 dB for frequencies > 1000 MHz).

Tested By: Ronak Patel	Date of testing: 11/1/2022 - 2/10/2023
Test Result: PASS	

Test Equipment

See Appendix C for list of test equipment

Conducted Spurs Average**Frequency 5690 MHz**

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	3	-62.4		0.43	-59.0	-41	17.72
Non HT80, 6 to 54 Mbps	2	3	-62.4	-64.9	0.43	-57.0	-41	15.78
VHT80, M0 to M11 1ss	1	3	-63.9		0.48	-60.4	-41	19.17
VHT80, M0 to M11 1ss	2	3	-63.9	-65.0	0.48	-57.9	-41	16.67
VHT80, M0 to M11 2ss	2	3	-63.9	-65.0	0.48	-57.9	-41	16.67
VHT80 Beam Forming, M0 to M11 1ss	2	6	-63.9	-65.0	0.48	-54.9	-41	13.67
VHT80 Beam Forming, M0 to M11 2ss	2	3	-63.9	-65.0	0.48	-57.9	-41	16.67
VHT80 STBC, M0 to M11 2ss	2	3	-63.9	-65.0	0.48	-57.9	-41	16.67
HE80, M0 to M11 1ss	1	3	-63.5		0.31	-60.2	-41	18.94
HE80, M0 to M11 1ss	2	3	-63.5	-64.9	0.31	-57.8	-41	16.57
HE80, M0 to M11 2ss	2	3	-63.5	-64.9	0.31	-57.8	-41	16.57
HE80 Beam Forming, M0 to M11 1ss	2	6	-63.5	-64.9	0.31	-54.8	-41	13.57
HE80 Beam Forming, M0 to M11 2ss	2	3	-63.5	-64.9	0.31	-57.8	-41	16.57
HE80 STBC, M0 to M11 2ss	2	3	-63.5	-64.9	0.31	-57.8	-41	16.57

Frequency 5710 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	3	-59.5		0.28	-56.2	-41	14.97
Non HT40, 6 to 54 Mbps	2	3	-59.5	-61.2	0.28	-54.0	-41	12.72
HT/VHT40, M0 to M7	1	3	-61.7		0.37	-58.3	-41	17.08
HT/VHT40, M0 to M7	2	3	-61.7	-62.6	0.37	-55.7	-41	14.49
HT/VHT40, M8 to M15	2	3	-61.7	-62.6	0.37	-55.7	-41	14.49
HT/VHT40 Beam Forming, M0 to M7	2	6	-61.7	-62.6	0.37	-52.7	-41	11.49
HT/VHT40 Beam Forming, M8 to M15	2	3	-61.7	-62.6	0.37	-55.7	-41	14.49
HT/VHT40 STBC, M8 to M15	2	3	-61.7	-62.6	0.37	-55.7	-41	14.49
HE40, M0 to M11 1ss	1	3	-61.4		0.38	-58.0	-41	16.77
HE40, M0 to M11 1ss	2	3	-61.4	-62.0	0.38	-55.3	-41	14.05
HE40, M0 to M11 2ss	2	3	-61.4	-62.0	0.38	-55.3	-41	14.05
HE40 Beam Forming, M0 to M11 1ss	2	6	-61.4	-62.0	0.38	-52.3	-41	11.05
HE40 Beam Forming, M0 to M11 2ss	2	3	-61.4	-62.0	0.38	-55.3	-41	14.05
HE40 STBC, M0 to M11 2ss	2	3	-61.4	-62.0	0.38	-55.3	-41	14.05

Frequency 5720 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	3	-59.3		0.36	-55.9	-41	14.69
Non HT20, 6 to 54 Mbps	2	3	-59.3	-61.0	0.36	-53.7	-41	12.45
Non HT20 Beam Forming, 6 to 54 Mbps	2	6	-59.3	-61.0	0.36	-50.7	-41	9.45
HT/VHT20, M0 to M7	1	3	-59.3		0.35	-55.9	-41	14.7
HT/VHT20, M0 to M7	2	3	-59.3	-61.6	0.35	-53.9	-41	12.69
HT/VHT20, M8 to M15	2	3	-59.3	-61.6	0.35	-53.9	-41	12.69
HT/VHT20 Beam Forming, M0 to M7	2	6	-59.3	-61.6	0.35	-50.9	-41	9.69
HT/VHT20 Beam Forming, M8 to M15	2	3	-59.3	-61.6	0.35	-53.9	-41	12.69
HT/VHT20 STBC, M8 to M15	2	3	-59.3	-61.6	0.35	-53.9	-41	12.69
HE20, M0 to M11 1ss	1	3	-62.4		0.33	-59.1	-41	17.82
HE20, M0 to M11 1ss	2	3	-62.4	-62.5	0.33	-56.1	-41	14.86
HE20, M0 to M11 2ss	2	3	-62.4	-62.5	0.33	-56.1	-41	14.86
HE20 Beam Forming, M0 to M11 1ss	2	6	-62.4	-62.5	0.33	-53.1	-41	11.86
HE20 Beam Forming, M0 to M11 2ss	2	3	-62.4	-62.5	0.33	-56.1	-41	14.86
HE20 STBC, M0 to M11 2ss	2	3	-62.4	-62.5	0.33	-56.1	-41	14.86

Frequency 5745 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	3	-59.7		0.36	-56.3	-41	15.09
Non HT20, 6 to 54 Mbps	2	3	-59.7	-62.2	0.36	-54.4	-41	13.15
Non HT20 Beam Forming, 6 to 54 Mbps	2	6	-59.7	-62.2	0.36	-51.4	-41	10.15
HT/VHT20, M0 to M7	1	3	-61.2		0.35	-57.8	-41	16.6
HT/VHT20, M0 to M7	2	3	-61.2	-62.3	0.35	-55.4	-41	14.1
HT/VHT20, M8 to M15	2	3	-61.2	-62.3	0.35	-55.4	-41	14.1
HT/VHT20 Beam Forming, M0 to M7	2	6	-61.2	-62.3	0.35	-52.4	-41	11.1
HT/VHT20 Beam Forming, M8 to M15	2	3	-61.2	-62.3	0.35	-55.4	-41	14.1
HT/VHT20 STBC, M8 to M15	2	3	-61.2	-62.3	0.35	-55.4	-41	14.1
HE20, M0 to M11 1ss	1	3	-61.9		0.33	-58.6	-41	17.32
HE20, M0 to M11 1ss	2	3	-61.9	-61.8	0.33	-55.5	-41	14.26
HE20, M0 to M11 2ss	2	3	-61.9	-61.8	0.33	-55.5	-41	14.26
HE20 Beam Forming, M0 to M11 1ss	2	6	-61.9	-61.8	0.33	-52.5	-41	11.26
HE20 Beam Forming, M0 to M11 2ss	2	3	-61.9	-61.8	0.33	-55.5	-41	14.26
HE20 STBC, M0 to M11 2ss	2	3	-61.9	-61.8	0.33	-55.5	-41	14.26

Frequency 5755 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	3	-59.4		0.28	-56.1	-41	14.87
Non HT40, 6 to 54 Mbps	2	3	-59.4	-61.9	0.28	-54.2	-41	12.93
HT/VHT40, M0 to M7	1	3	-61.8		0.37	-58.4	-41	17.18
HT/VHT40, M0 to M7	2	3	-61.8	-62.1	0.37	-55.6	-41	14.31
HT/VHT40, M8 to M15	2	3	-61.8	-62.1	0.37	-55.6	-41	14.31
HT/VHT40 Beam Forming, M0 to M7	2	6	-61.8	-62.1	0.37	-52.6	-41	11.31
HT/VHT40 Beam Forming, M8 to M15	2	3	-61.8	-62.1	0.37	-55.6	-41	14.31
HT/VHT40 STBC, M8 to M15	2	3	-61.8	-62.1	0.37	-55.6	-41	14.31
HE40, M0 to M11 1ss	1	3	-61.8		0.38	-58.4	-41	17.17
HE40, M0 to M11 1ss	2	3	-61.8	-62.1	0.38	-55.6	-41	14.31
HE40, M0 to M11 2ss	2	3	-61.8	-62.1	0.38	-55.6	-41	14.31
HE40 Beam Forming, M0 to M11 1ss	2	6	-61.8	-62.1	0.38	-52.6	-41	11.31
HE40 Beam Forming, M0 to M11 2ss	2	3	-61.8	-62.1	0.38	-55.6	-41	14.31
HE40 STBC, M0 to M11 2ss	2	3	-61.8	-62.1	0.38	-55.6	-41	14.31

Frequency 5775 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	3	-64.2		0.43	-60.8	-41	19.52
Non HT80, 6 to 54 Mbps	2	3	-64.2	-64.8	0.43	-58.0	-41	16.8
VHT80, M0 to M11 1ss	1	3	-63.7		0.48	-60.2	-41	18.97
VHT80, M0 to M11 1ss	2	3	-63.7	-64.4	0.48	-57.5	-41	16.29
VHT80, M0 to M11 2ss	2	3	-63.7	-64.4	0.48	-57.5	-41	16.29
VHT80 Beam Forming, M0 to M11 1ss	2	6	-63.7	-64.4	0.48	-54.5	-41	13.29
VHT80 Beam Forming, M0 to M11 2ss	2	3	-63.7	-64.4	0.48	-57.5	-41	16.29
VHT80 STBC, M0 to M11 2ss	2	3	-63.7	-64.4	0.48	-57.5	-41	16.29
HE80, M0 to M11 1ss	1	3	-64.3		0.31	-61.0	-41	19.74
HE80, M0 to M11 1ss	2	3	-64.3	-64.4	0.31	-58.0	-41	16.78
HE80, M0 to M11 2ss	2	3	-64.3	-64.4	0.31	-58.0	-41	16.78
HE80 Beam Forming, M0 to M11 1ss	2	6	-64.3	-64.4	0.31	-55.0	-41	13.78
HE80 Beam Forming, M0 to M11 2ss	2	3	-64.3	-64.4	0.31	-58.0	-41	16.78
HE80 STBC, M0 to M11 2ss	2	3	-64.3	-64.4	0.31	-58.0	-41	16.78

Frequency 5785 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	3	-62.9		0.36	-59.5	-41	18.29
Non HT20, 6 to 54 Mbps	2	3	-62.9	-62.2	0.36	-56.2	-41	14.92
Non HT20 Beam Forming, 6 to 54 Mbps	2	6	-62.9	-62.2	0.36	-53.2	-41	11.92
HT/VHT20, M0 to M7	1	3	-63.0		0.35	-59.6	-41	18.4
HT/VHT20, M0 to M7	2	3	-63.0	-62.3	0.35	-56.3	-41	15.02
HT/VHT20, M8 to M15	2	3	-63.0	-62.3	0.35	-56.3	-41	15.02
HT/VHT20 Beam Forming, M0 to M7	2	6	-63.0	-62.3	0.35	-53.3	-41	12.02
HT/VHT20 Beam Forming, M8 to M15	2	3	-63.0	-62.3	0.35	-56.3	-41	15.02
HT/VHT20 STBC, M8 to M15	2	3	-63.0	-62.3	0.35	-56.3	-41	15.02
HE20, M0 to M11 1ss	1	3	-60.6		0.33	-57.3	-41	16.02
HE20, M0 to M11 1ss	2	3	-60.6	-61.3	0.33	-54.6	-41	13.35
HE20, M0 to M11 2ss	2	3	-60.6	-61.3	0.33	-54.6	-41	13.35
HE20 Beam Forming, M0 to M11 1ss	2	6	-60.6	-61.3	0.33	-51.6	-41	10.35
HE20 Beam Forming, M0 to M11 2ss	2	3	-60.6	-61.3	0.33	-54.6	-41	13.35
HE20 STBC, M0 to M11 2ss	2	3	-60.6	-61.3	0.33	-54.6	-41	13.35

Frequency 5795 MHz

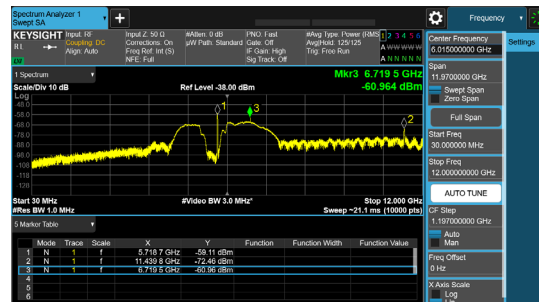
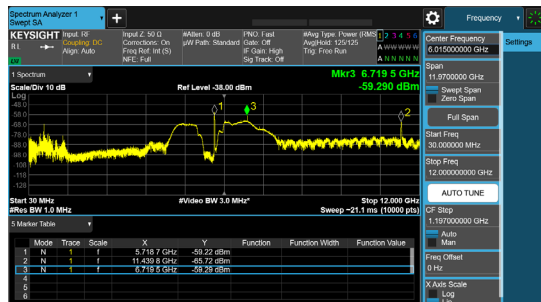
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	3	-62.6		0.28	-59.3	-41	18.07
Non HT40, 6 to 54 Mbps	2	3	-62.6	-62.1	0.28	-56.1	-41	14.8
HT/VHT40, M0 to M7	1	3	-63.2		0.37	-59.8	-41	18.58
HT/VHT40, M0 to M7	2	3	-63.2	-62.7	0.37	-56.6	-41	15.31
HT/VHT40, M8 to M15	2	3	-63.2	-62.7	0.37	-56.6	-41	15.31
HT/VHT40 Beam Forming, M0 to M7	2	6	-63.2	-62.7	0.37	-53.6	-41	12.31
HT/VHT40 Beam Forming, M8 to M15	2	3	-63.2	-62.7	0.37	-56.6	-41	15.31
HT/VHT40 STBC, M8 to M15	2	3	-63.2	-62.7	0.37	-56.6	-41	15.31
HE40, M0 to M11 1ss	1	3	-60.3		0.38	-56.9	-41	15.67
HE40, M0 to M11 1ss	2	3	-60.3	-61.1	0.38	-54.3	-41	13.04
HE40, M0 to M11 2ss	2	3	-60.3	-61.1	0.38	-54.3	-41	13.04
HE40 Beam Forming, M0 to M11 1ss	2	6	-60.3	-61.1	0.38	-51.3	-41	10.04
HE40 Beam Forming, M0 to M11 2ss	2	3	-60.3	-61.1	0.38	-54.3	-41	13.04
HE40 STBC, M0 to M11 2ss	2	3	-60.3	-61.1	0.38	-54.3	-41	13.04

Frequency 5825 MHz

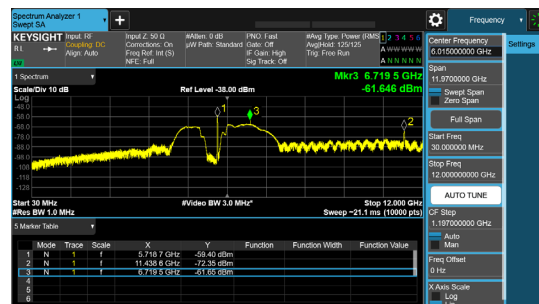
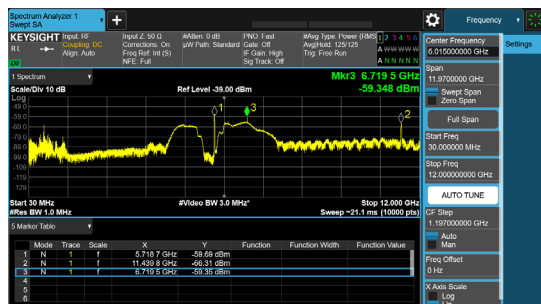
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	3	-61.2		0.36	-57.8	-41	16.59
Non HT20, 6 to 54 Mbps	2	3	-61.2	-62.0	0.36	-55.2	-41	13.96
Non HT20 Beam Forming, 6 to 54 Mbps	2	6	-61.2	-62.0	0.36	-52.2	-41	10.96
HT/VHT20, M0 to M7	1	3	-61.0		0.35	-57.6	-41	16.4
HT/VHT20, M0 to M7	2	3	-61.0	-62.0	0.35	-55.1	-41	13.86
HT/VHT20, M8 to M15	2	3	-61.0	-62.0	0.35	-55.1	-41	13.86
HT/VHT20 Beam Forming, M0 to M7	2	6	-61.0	-62.0	0.35	-52.1	-41	10.86
HT/VHT20 Beam Forming, M8 to M15	2	3	-61.0	-62.0	0.35	-55.1	-41	13.86
HT/VHT20 STBC, M8 to M15	2	3	-61.0	-62.0	0.35	-55.1	-41	13.86
HE20, M0 to M11 1ss	1	3	-60.9		0.33	-57.6	-41	16.32
HE20, M0 to M11 1ss	2	3	-60.9	-61.9	0.33	-55.0	-41	13.78
HE20, M0 to M11 2ss	2	3	-60.9	-61.9	0.33	-55.0	-41	13.78
HE20 Beam Forming, M0 to M11 1ss	2	6	-60.9	-61.9	0.33	-52.0	-41	10.78
HE20 Beam Forming, M0 to M11 2ss	2	3	-60.9	-61.9	0.33	-55.0	-41	13.78
HE20 STBC, M0 to M11 2ss	2	3	-60.9	-61.9	0.33	-55.0	-41	13.78

Data Screenshots – Antenna gain 3dBi average.

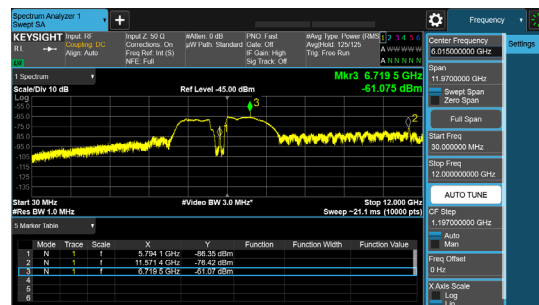
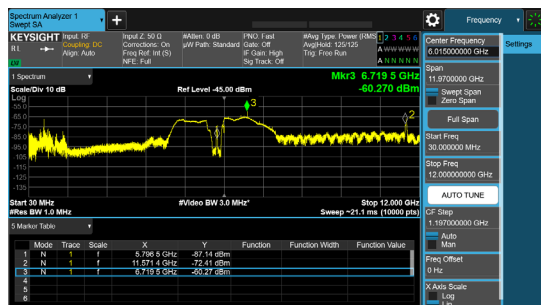
5720 MHz: Non HT20 Beam Forming, 6 to 54 Mbps



5720 MHz: HT/VHT20 Beam Forming, M0 to M7



5795 MHz: HE40 Beam Forming, M0 to M11 1ss



Conducted Spurious emissions Peak – Antenna gain 3dBi.**Frequency 5690 MHz**

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	3	-57.1		0.43	-53.7	-27	26.67
Non HT80, 6 to 54 Mbps	2	3	-57.1	-56.3	0.43	-50.2	-27	23.24
VHT80, M0 to M11 1ss	1	3	-56.6		0.48	-53.1	-27	26.12
VHT80, M0 to M11 1ss	2	3	-56.6	-56.6	0.48	-50.1	-27	23.11
VHT80, M0 to M11 2ss	2	3	-56.6	-56.6	0.48	-50.1	-27	23.11
VHT80 Beam Forming, M0 to M11 1ss	2	6	-56.6	-56.6	0.48	-47.1	-27	20.11
VHT80 Beam Forming, M0 to M11 2ss	2	3	-56.6	-56.6	0.48	-50.1	-27	23.11
VHT80 STBC, M0 to M11 2ss	2	3	-56.6	-56.6	0.48	-50.1	-27	23.11
HE80, M0 to M11 1ss	1	3	-56.1		0.31	-52.8	-27	25.79
HE80, M0 to M11 1ss	2	3	-56.1	-56.8	0.31	-50.1	-27	23.11
HE80, M0 to M11 2ss	2	3	-56.1	-56.8	0.31	-50.1	-27	23.11
HE80 Beam Forming, M0 to M11 1ss	2	6	-56.1	-56.8	0.31	-47.1	-27	20.11
HE80 Beam Forming, M0 to M11 2ss	2	3	-56.1	-56.8	0.31	-50.1	-27	23.11
HE80 STBC, M0 to M11 2ss	2	3	-56.1	-56.8	0.31	-50.1	-27	23.11

Frequency 5710 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	3	-56.3		0.28	-53.0	-27	26.02
Non HT40, 6 to 54 Mbps	2	3	-56.3	-56.6	0.28	-50.2	-27	23.15
HT/VHT40, M0 to M7	1	3	-56.0		0.37	-52.6	-27	25.63
HT/VHT40, M0 to M7	2	3	-56.0	-56.6	0.37	-49.9	-27	22.91
HT/VHT40, M8 to M15	2	3	-56.0	-56.6	0.37	-49.9	-27	22.91
HT/VHT40 Beam Forming, M0 to M7	2	6	-56.0	-56.6	0.37	-46.9	-27	19.91
HT/VHT40 Beam Forming, M8 to M15	2	3	-56.0	-56.6	0.37	-49.9	-27	22.91
HT/VHT40 STBC, M8 to M15	2	3	-56.0	-56.6	0.37	-49.9	-27	22.91
HE40, M0 to M11 1ss	1	3	-56.7		0.38	-53.3	-27	26.32
HE40, M0 to M11 1ss	2	3	-56.7	-56.8	0.38	-50.4	-27	23.36
HE40, M0 to M11 2ss	2	3	-56.7	-56.8	0.38	-50.4	-27	23.36
HE40 Beam Forming, M0 to M11 1ss	2	6	-56.7	-56.8	0.38	-47.4	-27	20.36
HE40 Beam Forming, M0 to M11 2ss	2	3	-56.7	-56.8	0.38	-50.4	-27	23.36
HE40 STBC, M0 to M11 2ss	2	3	-56.7	-56.8	0.38	-50.4	-27	23.36

Frequency 5720 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	3	-55.3		0.36	-51.9	-27	24.94
Non HT20, 6 to 54 Mbps	2	3	-55.3	-56.3	0.36	-49.4	-27	22.4
Non HT20 Beam Forming, 6 to 54 Mbps	2	6	-55.3	-56.3	0.36	-46.4	-27	19.4
HT/VHT20, M0 to M7	1	3	-54.6		0.35	-51.2	-27	24.25
HT/VHT20, M0 to M7	2	3	-54.6	-56.7	0.35	-49.2	-27	22.16
HT/VHT20, M8 to M15	2	3	-54.6	-56.7	0.35	-49.2	-27	22.16
HT/VHT20 Beam Forming, M0 to M7	2	6	-54.6	-56.7	0.35	-46.2	-27	19.16
HT/VHT20 Beam Forming, M8 to M15	2	3	-54.6	-56.7	0.35	-49.2	-27	22.16
HT/VHT20 STBC, M8 to M15	2	3	-54.6	-56.7	0.35	-49.2	-27	22.16
HE20, M0 to M11 1ss	1	3	-55.8		0.33	-52.5	-27	25.47
HE20, M0 to M11 1ss	2	3	-55.8	-56.5	0.33	-49.8	-27	22.8
HE20, M0 to M11 2ss	2	3	-55.8	-56.5	0.33	-49.8	-27	22.8
HE20 Beam Forming, M0 to M11 1ss	2	6	-55.8	-56.5	0.33	-46.8	-27	19.8
HE20 Beam Forming, M0 to M11 2ss	2	3	-55.8	-56.5	0.33	-49.8	-27	22.8
HE20 STBC, M0 to M11 2ss	2	3	-55.8	-56.5	0.33	-49.8	-27	22.8

Frequency 5745 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	3	-55.5		0.36	-52.1	-27	25.14
Non HT20, 6 to 54 Mbps	2	3	-55.5	-56.6	0.36	-49.6	-27	22.65
Non HT20 Beam Forming, 6 to 54 Mbps	2	6	-55.5	-56.6	0.36	-46.6	-27	19.65
HT/VHT20, M0 to M7	1	3	-55.9		0.35	-52.5	-27	25.55
HT/VHT20, M0 to M7	2	3	-55.9	-55.5	0.35	-49.3	-27	22.33
HT/VHT20, M8 to M15	2	3	-55.9	-55.5	0.35	-49.3	-27	22.33
HT/VHT20 Beam Forming, M0 to M7	2	6	-55.9	-55.5	0.35	-46.3	-27	19.33
HT/VHT20 Beam Forming, M8 to M15	2	3	-55.9	-55.5	0.35	-49.3	-27	22.33
HT/VHT20 STBC, M8 to M15	2	3	-55.9	-55.5	0.35	-49.3	-27	22.33
HE20, M0 to M11 1ss	1	3	-54.3		0.33	-51.0	-27	23.97
HE20, M0 to M11 1ss	2	3	-54.3	-55.2	0.33	-48.4	-27	21.39
HE20, M0 to M11 2ss	2	3	-54.3	-55.2	0.33	-48.4	-27	21.39
HE20 Beam Forming, M0 to M11 1ss	2	6	-54.3	-55.2	0.33	-45.4	-27	18.39
HE20 Beam Forming, M0 to M11 2ss	2	3	-54.3	-55.2	0.33	-48.4	-27	21.39
HE20 STBC, M0 to M11 2ss	2	3	-54.3	-55.2	0.33	-48.4	-27	21.39

Frequency 5755 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	3	-55.7		0.28	-52.4	-27	25.42
Non HT40, 6 to 54 Mbps	2	3	-55.7	-56.4	0.28	-49.7	-27	22.74
HT/VHT40, M0 to M7	1	3	-55.6		0.37	-52.2	-27	25.23
HT/VHT40, M0 to M7	2	3	-55.6	-56.4	0.37	-49.6	-27	22.6
HT/VHT40, M8 to M15	2	3	-55.6	-56.4	0.37	-49.6	-27	22.6
HT/VHT40 Beam Forming, M0 to M7	2	6	-55.6	-56.4	0.37	-46.6	-27	19.6
HT/VHT40 Beam Forming, M8 to M15	2	3	-55.6	-56.4	0.37	-49.6	-27	22.6
HT/VHT40 STBC, M8 to M15	2	3	-55.6	-56.4	0.37	-49.6	-27	22.6
HE40, M0 to M11 1ss	1	3	-55.4		0.38	-52.0	-27	25.02
HE40, M0 to M11 1ss	2	3	-55.4	-56.6	0.38	-49.6	-27	22.57
HE40, M0 to M11 2ss	2	3	-55.4	-56.6	0.38	-49.6	-27	22.57
HE40 Beam Forming, M0 to M11 1ss	2	6	-55.4	-56.6	0.38	-46.6	-27	19.57
HE40 Beam Forming, M0 to M11 2ss	2	3	-55.4	-56.6	0.38	-49.6	-27	22.57
HE40 STBC, M0 to M11 2ss	2	3	-55.4	-56.6	0.38	-49.6	-27	22.57

Frequency 5775 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	3	-56.6		0.43	-53.2	-27	26.17
Non HT80, 6 to 54 Mbps	2	3	-56.6	-56.2	0.43	-50.0	-27	22.95
VHT80, M0 to M11 1ss	1	3	-56.9		0.48	-53.4	-27	26.42
VHT80, M0 to M11 1ss	2	3	-56.9	-56.8	0.48	-50.4	-27	23.36
VHT80, M0 to M11 2ss	2	3	-56.9	-56.8	0.48	-50.4	-27	23.36
VHT80 Beam Forming, M0 to M11 1ss	2	6	-56.9	-56.8	0.48	-47.4	-27	20.36
VHT80 Beam Forming, M0 to M11 2ss	2	3	-56.9	-56.8	0.48	-50.4	-27	23.36
VHT80 STBC, M0 to M11 2ss	2	3	-56.9	-56.8	0.48	-50.4	-27	23.36
HE80, M0 to M11 1ss	1	3	-56.2		0.31	-52.9	-27	25.89
HE80, M0 to M11 1ss	2	3	-56.2	-57.1	0.31	-50.3	-27	23.3
HE80, M0 to M11 2ss	2	3	-56.2	-57.1	0.31	-50.3	-27	23.3
HE80 Beam Forming, M0 to M11 1ss	2	6	-56.2	-57.1	0.31	-47.3	-27	20.3
HE80 Beam Forming, M0 to M11 2ss	2	3	-56.2	-57.1	0.31	-50.3	-27	23.3
HE80 STBC, M0 to M11 2ss	2	3	-56.2	-57.1	0.31	-50.3	-27	23.3

Frequency 5785 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	3	-55.2		0.36	-51.8	-27	24.84
Non HT20, 6 to 54 Mbps	2	3	-55.2	-56.2	0.36	-49.3	-27	22.3
Non HT20 Beam Forming, 6 to 54 Mbps	2	6	-55.2	-56.2	0.36	-46.3	-27	19.3
HT/VHT20, M0 to M7	1	3	-55.7		0.35	-52.3	-27	25.35
HT/VHT20, M0 to M7	2	3	-55.7	-56.5	0.35	-49.7	-27	22.72
HT/VHT20, M8 to M15	2	3	-55.7	-56.5	0.35	-49.7	-27	22.72
HT/VHT20 Beam Forming, M0 to M7	2	6	-55.7	-56.5	0.35	-46.7	-27	19.72
HT/VHT20 Beam Forming, M8 to M15	2	3	-55.7	-56.5	0.35	-49.7	-27	22.72
HT/VHT20 STBC, M8 to M15	2	3	-55.7	-56.5	0.35	-49.7	-27	22.72
HE20, M0 to M11 1ss	1	3	-55.4		0.33	-52.1	-27	25.07
HE20, M0 to M11 1ss	2	3	-55.4	-55.0	0.33	-48.9	-27	21.86
HE20, M0 to M11 2ss	2	3	-55.4	-55.0	0.33	-48.9	-27	21.86
HE20 Beam Forming, M0 to M11 1ss	2	6	-55.4	-55.0	0.33	-45.9	-27	18.86
HE20 Beam Forming, M0 to M11 2ss	2	3	-55.4	-55.0	0.33	-48.9	-27	21.86
HE20 STBC, M0 to M11 2ss	2	3	-55.4	-55.0	0.33	-48.9	-27	21.86

Frequency 5795 MHz

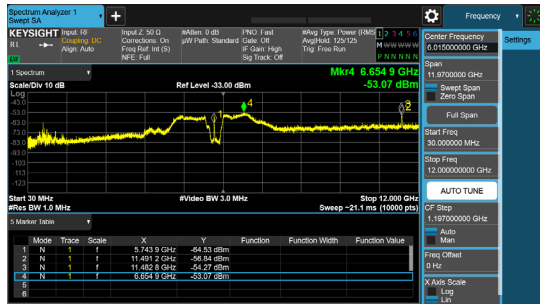
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	3	-55.2		0.28	-51.9	-27	24.92
Non HT40, 6 to 54 Mbps	2	3	-55.2	-56.1	0.28	-49.3	-27	22.33
HT/VHT40, M0 to M7	1	3	-56.6		0.37	-53.2	-27	26.23
HT/VHT40, M0 to M7	2	3	-56.6	-56.3	0.37	-50.1	-27	23.06
HT/VHT40, M8 to M15	2	3	-56.6	-56.3	0.37	-50.1	-27	23.06
HT/VHT40 Beam Forming, M0 to M7	2	6	-56.6	-56.3	0.37	-47.1	-27	20.06
HT/VHT40 Beam Forming, M8 to M15	2	3	-56.6	-56.3	0.37	-50.1	-27	23.06
HT/VHT40 STBC, M8 to M15	2	3	-56.6	-56.3	0.37	-50.1	-27	23.06
HE40, M0 to M11 1ss	1	3	-56.5		0.38	-53.1	-27	26.12
HE40, M0 to M11 1ss	2	3	-56.5	-56.7	0.38	-50.2	-27	23.21
HE40, M0 to M11 2ss	2	3	-56.5	-56.7	0.38	-50.2	-27	23.21
HE40 Beam Forming, M0 to M11 1ss	2	6	-56.5	-56.7	0.38	-47.2	-27	20.21
HE40 Beam Forming, M0 to M11 2ss	2	3	-56.5	-56.7	0.38	-50.2	-27	23.21
HE40 STBC, M0 to M11 2ss	2	3	-56.5	-56.7	0.38	-50.2	-27	23.21

Frequency 5825 MHz

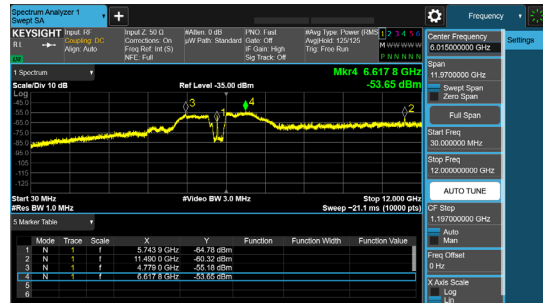
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	3	-56.7		0.36	-53.3	-27	26.34
Non HT20, 6 to 54 Mbps	2	3	-56.7	-56.5	0.36	-50.2	-27	23.23
Non HT20 Beam Forming, 6 to 54 Mbps	2	6	-56.7	-56.5	0.36	-47.2	-27	20.23
HT/VHT20, M0 to M7	1	3	-57.2		0.35	-53.8	-27	26.85
HT/VHT20, M0 to M7	2	3	-57.2	-56.1	0.35	-50.3	-27	23.25
HT/VHT20, M8 to M15	2	3	-57.2	-56.1	0.35	-50.3	-27	23.25
HT/VHT20 Beam Forming, M0 to M7	2	6	-57.2	-56.1	0.35	-47.3	-27	20.25
HT/VHT20 Beam Forming, M8 to M15	2	3	-57.2	-56.1	0.35	-50.3	-27	23.25
HT/VHT20 STBC, M8 to M15	2	3	-57.2	-56.1	0.35	-50.3	-27	23.25
HE20, M0 to M11 1ss	1	3	-56.0		0.33	-52.7	-27	25.67
HE20, M0 to M11 1ss	2	3	-56.0	-55.9	0.33	-49.6	-27	22.61
HE20, M0 to M11 2ss	2	3	-56.0	-55.9	0.33	-49.6	-27	22.61
HE20 Beam Forming, M0 to M11 1ss	2	6	-56.0	-55.9	0.33	-46.6	-27	19.61
HE20 Beam Forming, M0 to M11 2ss	2	3	-56.0	-55.9	0.33	-49.6	-27	22.61
HE20 STBC, M0 to M11 2ss	2	3	-56.0	-55.9	0.33	-49.6	-27	22.61

Data Screenshots – Antenna gain 3dBi peak.

5745 MHz: HE20 Beam Forming, M0 to M11 1ss

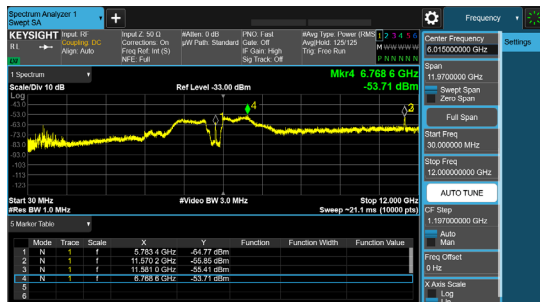


Antenna A

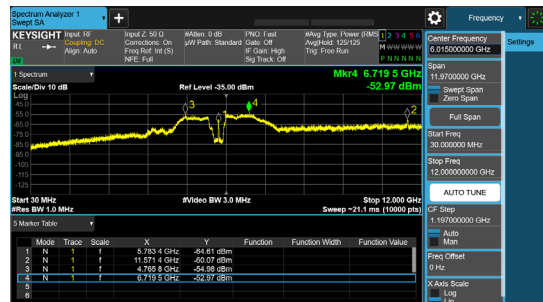


Antenna B

5785 MHz: HE20 Beam Forming, M0 to M11 1ss

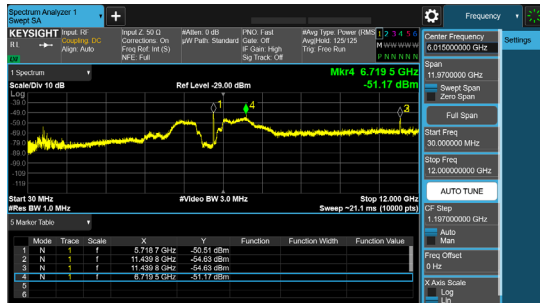


Antenna A

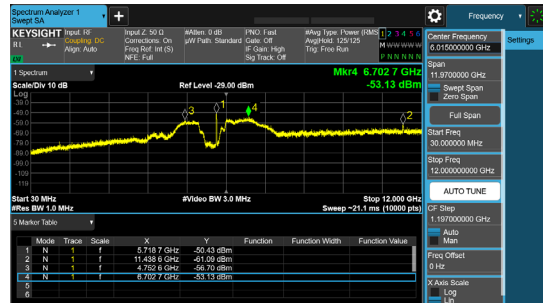


Antenna B

5720 MHz: HT/VHT20 Beam Forming, M0 to M7



Antenna A



Antenna B

Conducted Spurious emissions Average – Antenna gain 8dBi.**Frequency 5690 MHz**

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	8	-62.4		0.43	-54.0	-41	12.72
Non HT80, 6 to 54 Mbps	2	8	-62.4	-64.9	0.43	-52.0	-41	10.78
VHT80, M0 to M11 1ss	1	8	-63.9		0.48	-55.4	-41	14.17
VHT80, M0 to M11 1ss	2	8	-63.9	-65.0	0.48	-52.9	-41	11.67
VHT80, M0 to M11 2ss	2	8	-63.9	-65.0	0.48	-52.9	-41	11.67
VHT80 Beam Forming, M0 to M11 1ss	2	11	-63.8	-65.2	0.48	-49.9	-41	8.7
VHT80 Beam Forming, M0 to M11 2ss	2	8	-63.9	-65.0	0.48	-52.9	-41	11.67
VHT80 STBC, M0 to M11 2ss	2	8	-63.9	-65.0	0.48	-52.9	-41	11.67
HE80, M0 to M11 1ss	1	8	-63.5		0.31	-55.2	-41	13.94
HE80, M0 to M11 1ss	2	8	-63.5	-64.9	0.31	-52.8	-41	11.57
HE80, M0 to M11 2ss	2	8	-63.5	-64.9	0.31	-52.8	-41	11.57
HE80 Beam Forming, M0 to M11 1ss	2	11	-63.5	-64.9	0.31	-49.8	-41	8.57
HE80 Beam Forming, M0 to M11 2ss	2	8	-63.5	-64.9	0.31	-52.8	-41	11.57
HE80 STBC, M0 to M11 2ss	2	8	-63.5	-64.9	0.31	-52.8	-41	11.57

Frequency 5710 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	8	-59.5		0.28	-51.2	-41	9.97
Non HT40, 6 to 54 Mbps	2	8	-59.8	-60.7	0.28	-48.9	-41	7.68
HT/VHT40, M0 to M7	1	8	-61.7		0.37	-53.3	-41	12.08
HT/VHT40, M0 to M7	2	8	-63.5	-62.7	0.37	-51.7	-41	10.45
HT/VHT40, M8 to M15	2	8	-61.7	-62.6	0.37	-50.7	-41	9.49
HT/VHT40 Beam Forming, M0 to M7	2	11	-63.3	-62.3	0.37	-48.4	-41	7.14
HT/VHT40 Beam Forming, M8 to M15	2	8	-61.7	-62.6	0.37	-50.7	-41	9.49
HT/VHT40 STBC, M8 to M15	2	8	-61.7	-62.6	0.37	-50.7	-41	9.49
HE40, M0 to M11 1ss	1	8	-61.4		0.38	-53.0	-41	11.77
HE40, M0 to M11 1ss	2	8	-61.4	-62.0	0.38	-50.3	-41	9.05
HE40, M0 to M11 2ss	2	8	-61.4	-62.0	0.38	-50.3	-41	9.05
HE40 Beam Forming, M0 to M11 1ss	2	11	-61.4	-62.0	0.38	-47.3	-41	6.05
HE40 Beam Forming, M0 to M11 2ss	2	8	-61.4	-62.0	0.38	-50.3	-41	9.05
HE40 STBC, M0 to M11 2ss	2	8	-61.4	-62.0	0.38	-50.3	-41	9.05

Frequency 5720 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-59.3		0.36	-50.9	-41	9.69
Non HT20, 6 to 54 Mbps	2	8	-59.9	-61.4	0.36	-49.2	-41	7.97
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-59.9	-61.4	0.36	-46.2	-41	4.97
HT/VHT20, M0 to M7	1	8	-59.3		0.35	-50.9	-41	9.7
HT/VHT20, M0 to M7	2	8	-60.2	-61.1	0.35	-49.3	-41	8.02
HT/VHT20, M8 to M15	2	8	-59.5	-61.5	0.35	-49.0	-41	7.77
HT/VHT20 Beam Forming, M0 to M7	2	11	-60.2	-61.1	0.35	-46.3	-41	5.02
HT/VHT20 Beam Forming, M8 to M15	2	8	-59.5	-61.5	0.35	-49.0	-41	7.77
HT/VHT20 STBC, M8 to M15	2	8	-59.5	-61.5	0.35	-49.0	-41	7.77
HE20, M0 to M11 1ss	1	8	-62.4		0.33	-54.1	-41	12.82
HE20, M0 to M11 1ss	2	8	-63.9	-62.4	0.33	-51.7	-41	10.5
HE20, M0 to M11 2ss	2	8	-63.9	-62.4	0.33	-51.7	-41	10.5
HE20 Beam Forming, M0 to M11 1ss	2	11	-63.9	-62.4	0.33	-48.7	-41	7.5
HE20 Beam Forming, M0 to M11 2ss	2	8	-63.9	-62.4	0.33	-51.7	-41	10.5
HE20 STBC, M0 to M11 2ss	2	8	-63.9	-62.4	0.33	-51.7	-41	10.5

Frequency 5745 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-59.7		0.36	-51.3	-41	10.09
Non HT20, 6 to 54 Mbps	2	8	-59.7	-62.2	0.36	-49.4	-41	8.15
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-59.7	-62.2	0.36	-46.4	-41	5.15
HT/VHT20, M0 to M7	1	8	-61.2		0.35	-52.8	-41	11.6
HT/VHT20, M0 to M7	2	8	-61.2	-62.3	0.35	-50.4	-41	9.1
HT/VHT20, M8 to M15	2	8	-61.2	-62.3	0.35	-50.4	-41	9.1
HT/VHT20 Beam Forming, M0 to M7	2	11	-61.2	-62.3	0.35	-47.4	-41	6.1
HT/VHT20 Beam Forming, M8 to M15	2	8	-61.2	-62.3	0.35	-50.4	-41	9.1
HT/VHT20 STBC, M8 to M15	2	8	-61.2	-62.3	0.35	-50.4	-41	9.1
HE20, M0 to M11 1ss	1	8	-61.9		0.33	-53.6	-41	12.32
HE20, M0 to M11 1ss	2	8	-61.9	-61.8	0.33	-50.5	-41	9.26
HE20, M0 to M11 2ss	2	8	-61.9	-61.8	0.33	-50.5	-41	9.26
HE20 Beam Forming, M0 to M11 1ss	2	11	-61.9	-61.8	0.33	-47.5	-41	6.26
HE20 Beam Forming, M0 to M11 2ss	2	8	-61.9	-61.8	0.33	-50.5	-41	9.26
HE20 STBC, M0 to M11 2ss	2	8	-61.9	-61.8	0.33	-50.5	-41	9.26

Frequency 5755 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	8	-59.4		0.28	-51.1	-41	9.87
Non HT40, 6 to 54 Mbps	2	8	-59.4	-61.9	0.28	-49.2	-41	7.93
HT/VHT40, M0 to M7	1	8	-61.8		0.37	-53.4	-41	12.18
HT/VHT40, M0 to M7	2	8	-61.8	-62.1	0.37	-50.6	-41	9.31
HT/VHT40, M8 to M15	2	8	-61.8	-62.1	0.37	-50.6	-41	9.31
HT/VHT40 Beam Forming, M0 to M7	2	11	-61.8	-62.1	0.37	-47.6	-41	6.31
HT/VHT40 Beam Forming, M8 to M15	2	8	-61.8	-62.1	0.37	-50.6	-41	9.31
HT/VHT40 STBC, M8 to M15	2	8	-61.8	-62.1	0.37	-50.6	-41	9.31
HE40, M0 to M11 1ss	1	8	-61.8		0.38	-53.4	-41	12.17
HE40, M0 to M11 1ss	2	8	-61.8	-62.1	0.38	-50.6	-41	9.31
HE40, M0 to M11 2ss	2	8	-61.8	-62.1	0.38	-50.6	-41	9.31
HE40 Beam Forming, M0 to M11 1ss	2	11	-61.8	-62.1	0.38	-47.6	-41	6.31
HE40 Beam Forming, M0 to M11 2ss	2	8	-61.8	-62.1	0.38	-50.6	-41	9.31
HE40 STBC, M0 to M11 2ss	2	8	-61.8	-62.1	0.38	-50.6	-41	9.31

Frequency 5775 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	8	-64.2		0.43	-55.8	-41	14.52
Non HT80, 6 to 54 Mbps	2	8	-64.2	-64.8	0.43	-53.0	-41	11.8
VHT80, M0 to M11 1ss	1	8	-63.7		0.48	-55.2	-41	13.97
VHT80, M0 to M11 1ss	2	8	-63.7	-64.4	0.48	-52.5	-41	11.29
VHT80, M0 to M11 2ss	2	8	-63.7	-64.4	0.48	-52.5	-41	11.29
VHT80 Beam Forming, M0 to M11 1ss	2	11	-63.7	-64.4	0.48	-49.5	-41	8.29
VHT80 Beam Forming, M0 to M11 2ss	2	8	-63.7	-64.4	0.48	-52.5	-41	11.29
VHT80 STBC, M0 to M11 2ss	2	8	-63.7	-64.4	0.48	-52.5	-41	11.29
HE80, M0 to M11 1ss	1	8	-64.3		0.31	-56.0	-41	14.74
HE80, M0 to M11 1ss	2	8	-64.3	-64.4	0.31	-53.0	-41	11.78
HE80, M0 to M11 2ss	2	8	-64.3	-64.4	0.31	-53.0	-41	11.78
HE80 Beam Forming, M0 to M11 1ss	2	11	-64.3	-64.4	0.31	-50.0	-41	8.78
HE80 Beam Forming, M0 to M11 2ss	2	8	-64.3	-64.4	0.31	-53.0	-41	11.78
HE80 STBC, M0 to M11 2ss	2	8	-64.3	-64.4	0.31	-53.0	-41	11.78

Frequency 5785 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-62.9		0.36	-54.5	-41	13.29
Non HT20, 6 to 54 Mbps	2	8	-62.9	-62.2	0.36	-51.2	-41	9.92
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-62.9	-62.2	0.36	-48.2	-41	6.92
HT/VHT20, M0 to M7	1	8	-63.0		0.35	-54.6	-41	13.4
HT/VHT20, M0 to M7	2	8	-63.0	-62.3	0.35	-51.3	-41	10.02
HT/VHT20, M8 to M15	2	8	-63.0	-62.3	0.35	-51.3	-41	10.02
HT/VHT20 Beam Forming, M0 to M7	2	11	-63.0	-62.3	0.35	-48.3	-41	7.02
HT/VHT20 Beam Forming, M8 to M15	2	8	-63.0	-62.3	0.35	-51.3	-41	10.02
HT/VHT20 STBC, M8 to M15	2	8	-63.0	-62.3	0.35	-51.3	-41	10.02
HE20, M0 to M11 1ss	1	8	-60.6		0.33	-52.3	-41	11.02
HE20, M0 to M11 1ss	2	8	-60.6	-61.3	0.33	-49.6	-41	8.35
HE20, M0 to M11 2ss	2	8	-60.6	-61.3	0.33	-49.6	-41	8.35
HE20 Beam Forming, M0 to M11 1ss	2	11	-60.6	-61.3	0.33	-46.6	-41	5.35
HE20 Beam Forming, M0 to M11 2ss	2	8	-60.6	-61.3	0.33	-49.6	-41	8.35
HE20 STBC, M0 to M11 2ss	2	8	-60.6	-61.3	0.33	-49.6	-41	8.35

Frequency 5795 MHz

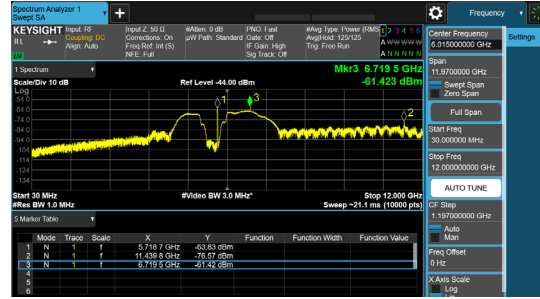
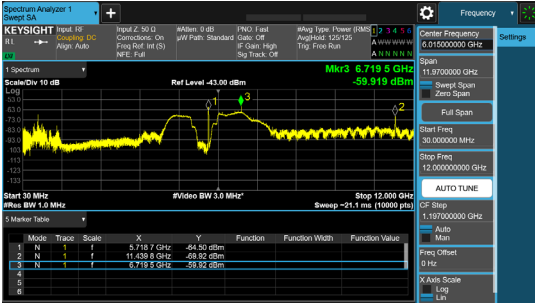
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	8	-62.6		0.28	-54.3	-41	13.07
Non HT40, 6 to 54 Mbps	2	8	-62.6	-62.1	0.28	-51.1	-41	9.8
HT/VHT40, M0 to M7	1	8	-63.2		0.37	-54.8	-41	13.58
HT/VHT40, M0 to M7	2	8	-63.2	-62.7	0.37	-51.6	-41	10.31
HT/VHT40, M8 to M15	2	8	-63.2	-62.7	0.37	-51.6	-41	10.31
HT/VHT40 Beam Forming, M0 to M7	2	11	-63.2	-62.7	0.37	-48.6	-41	7.31
HT/VHT40 Beam Forming, M8 to M15	2	8	-63.2	-62.7	0.37	-51.6	-41	10.31
HT/VHT40 STBC, M8 to M15	2	8	-63.2	-62.7	0.37	-51.6	-41	10.31
HE40, M0 to M11 1ss	1	8	-60.3		0.38	-51.9	-41	10.67
HE40, M0 to M11 1ss	2	8	-60.3	-61.1	0.38	-49.3	-41	8.04
HE40, M0 to M11 2ss	2	8	-60.3	-61.1	0.38	-49.3	-41	8.04
HE40 Beam Forming, M0 to M11 1ss	2	11	-60.3	-61.1	0.38	-46.3	-41	5.04
HE40 Beam Forming, M0 to M11 2ss	2	8	-60.3	-61.1	0.38	-49.3	-41	8.04
HE40 STBC, M0 to M11 2ss	2	8	-60.3	-61.1	0.38	-49.3	-41	8.04

Frequency 5825 MHz

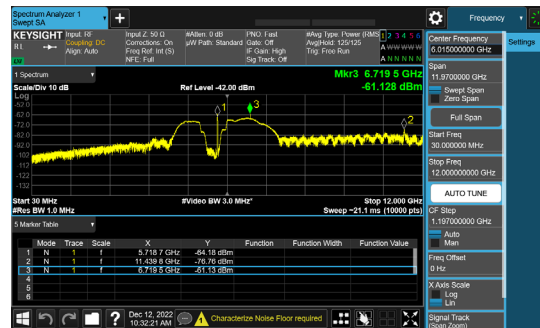
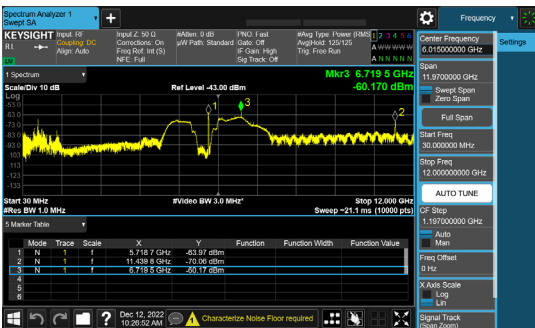
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-61.2		0.36	-52.8	-41	11.59
Non HT20, 6 to 54 Mbps	2	8	-61.2	-62.0	0.36	-50.2	-41	8.96
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-61.2	-62.0	0.36	-47.2	-41	5.96
HT/VHT20, M0 to M7	1	8	-61.0		0.35	-52.6	-41	11.4
HT/VHT20, M0 to M7	2	8	-61.0	-62.0	0.35	-50.1	-41	8.86
HT/VHT20, M8 to M15	2	8	-61.0	-62.0	0.35	-50.1	-41	8.86
HT/VHT20 Beam Forming, M0 to M7	2	11	-61.0	-62.0	0.35	-47.1	-41	5.86
HT/VHT20 Beam Forming, M8 to M15	2	8	-61.0	-62.0	0.35	-50.1	-41	8.86
HT/VHT20 STBC, M8 to M15	2	8	-61.0	-62.0	0.35	-50.1	-41	8.86
HE20, M0 to M11 1ss	1	8	-60.9		0.33	-52.6	-41	11.32
HE20, M0 to M11 1ss	2	8	-60.9	-61.9	0.33	-50.0	-41	8.78
HE20, M0 to M11 2ss	2	8	-60.9	-61.9	0.33	-50.0	-41	8.78
HE20 Beam Forming, M0 to M11 1ss	2	11	-60.9	-61.9	0.33	-47.0	-41	5.78
HE20 Beam Forming, M0 to M11 2ss	2	8	-60.9	-61.9	0.33	-50.0	-41	8.78
HE20 STBC, M0 to M11 2ss	2	8	-60.9	-61.9	0.33	-50.0	-41	8.78

Data Screenshots – Antenna gain 8dBi average.

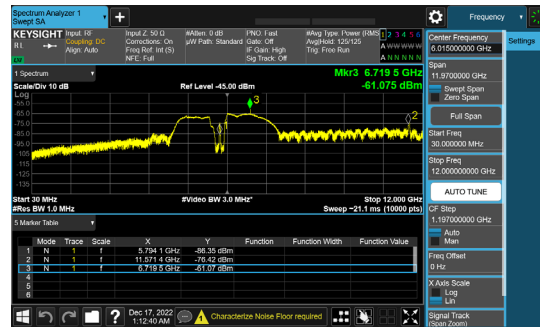
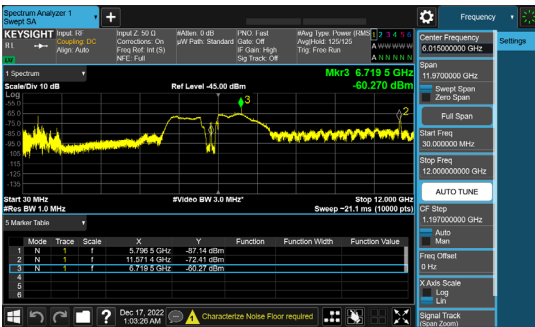
5720 MHz: Non HT20 Beam Forming, 6 to 54 Mbps



5720 MHz: HT/VHT20 Beam Forming, M0 to M7



5795 MHz: HE40 Beam Forming, M0 to M11 1ss



Conducted Spurious emissions Peak – Antenna gain 8dBi**Frequency 5690 MHz**

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	8	-57.1		0.43	-48.7	-27	21.67
Non HT80, 6 to 54 Mbps	2	8	-57.1	-56.3	0.43	-45.2	-27	18.24
VHT80, M0 to M11 1ss	1	8	-56.6		0.48	-48.1	-27	21.12
VHT80, M0 to M11 1ss	2	8	-56.6	-56.6	0.48	-45.1	-27	18.11
VHT80, M0 to M11 2ss	2	8	-56.6	-56.6	0.48	-45.1	-27	18.11
VHT80 Beam Forming, M0 to M11 1ss	2	11	-58.4	-57.1	0.48	-43.2	-27	16.21
VHT80 Beam Forming, M0 to M11 2ss	2	8	-56.6	-56.6	0.48	-45.1	-27	18.11
VHT80 STBC, M0 to M11 2ss	2	8	-56.6	-56.6	0.48	-45.1	-27	18.11
HE80, M0 to M11 1ss	1	8	-56.1		0.31	-47.8	-27	20.79
HE80, M0 to M11 1ss	2	8	-56.1	-56.8	0.31	-45.1	-27	18.11
HE80, M0 to M11 2ss	2	8	-56.1	-56.8	0.31	-45.1	-27	18.11
HE80 Beam Forming, M0 to M11 1ss	2	11	-56.1	-56.8	0.31	-42.1	-27	15.11
HE80 Beam Forming, M0 to M11 2ss	2	8	-56.1	-56.8	0.31	-45.1	-27	18.11
HE80 STBC, M0 to M11 2ss	2	8	-56.1	-56.8	0.31	-45.1	-27	18.11

Frequency 5710 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	8	-56.3		0.28	-48.0	-27	21.02
Non HT40, 6 to 54 Mbps	2	8	-57.1	-56.4	0.28	-45.4	-27	18.44
HT/VHT40, M0 to M7	1	8	-56.0		0.37	-47.6	-27	20.63
HT/VHT40, M0 to M7	2	8	-57.3	-56.9	0.37	-45.7	-27	18.71
HT/VHT40, M8 to M15	2	8	-56.0	-56.6	0.37	-44.9	-27	17.91
HT/VHT40 Beam Forming, M0 to M7	2	11	-57.0	-56.2	0.37	-42.2	-27	15.2
HT/VHT40 Beam Forming, M8 to M15	2	8	-56.0	-56.6	0.37	-44.9	-27	17.91
HT/VHT40 STBC, M8 to M15	2	8	-56.0	-56.6	0.37	-44.9	-27	17.91
HE40, M0 to M11 1ss	1	8	-56.7		0.38	-48.3	-27	21.32
HE40, M0 to M11 1ss	2	8	-56.7	-56.8	0.38	-45.4	-27	18.36
HE40, M0 to M11 2ss	2	8	-56.7	-56.8	0.38	-45.4	-27	18.36
HE40 Beam Forming, M0 to M11 1ss	2	11	-56.7	-56.8	0.38	-42.4	-27	15.36
HE40 Beam Forming, M0 to M11 2ss	2	8	-56.7	-56.8	0.38	-45.4	-27	18.36
HE40 STBC, M0 to M11 2ss	2	8	-56.7	-56.8	0.38	-45.4	-27	18.36

Frequency 5720 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-55.3		0.36	-46.9	-27	19.94
Non HT20, 6 to 54 Mbps	2	8	-57.3	-56.4	0.36	-45.5	-27	18.46
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-57.3	-56.4	0.36	-42.5	-27	15.46
HT/VHT20, M0 to M7	1	8	-54.6		0.35	-46.2	-27	19.25
HT/VHT20, M0 to M7	2	8	-57.6	-56.8	0.35	-45.8	-27	18.82
HT/VHT20, M8 to M15	2	8	-55.8	-56.4	0.35	-44.7	-27	17.73
HT/VHT20 Beam Forming, M0 to M7	2	11	-57.6	-56.8	0.35	-42.8	-27	15.82
HT/VHT20 Beam Forming, M8 to M15	2	8	-55.8	-56.4	0.35	-44.7	-27	17.73
HT/VHT20 STBC, M8 to M15	2	8	-55.8	-56.4	0.35	-44.7	-27	17.73
HE20, M0 to M11 1ss	1	8	-55.8		0.33	-47.5	-27	20.47
HE20, M0 to M11 1ss	2	8	-57.3	-56.7	0.33	-45.7	-27	18.65
HE20, M0 to M11 2ss	2	8	-57.3	-56.7	0.33	-45.7	-27	18.65
HE20 Beam Forming, M0 to M11 1ss	2	11	-57.3	-56.7	0.33	-42.7	-27	15.65
HE20 Beam Forming, M0 to M11 2ss	2	8	-57.3	-56.7	0.33	-45.7	-27	18.65
HE20 STBC, M0 to M11 2ss	2	8	-57.3	-56.7	0.33	-45.7	-27	18.65

Frequency 5745 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-55.5		0.36	-47.1	-27	20.14
Non HT20, 6 to 54 Mbps	2	8	-55.5	-56.6	0.36	-44.6	-27	17.65
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-55.5	-56.6	0.36	-41.6	-27	14.65
HT/VHT20, M0 to M7	1	8	-55.9		0.35	-47.5	-27	20.55
HT/VHT20, M0 to M7	2	8	-55.9	-55.5	0.35	-44.3	-27	17.33
HT/VHT20, M8 to M15	2	8	-55.9	-55.5	0.35	-44.3	-27	17.33
HT/VHT20 Beam Forming, M0 to M7	2	11	-55.9	-55.5	0.35	-41.3	-27	14.33
HT/VHT20 Beam Forming, M8 to M15	2	8	-55.9	-55.5	0.35	-44.3	-27	17.33
HT/VHT20 STBC, M8 to M15	2	8	-55.9	-55.5	0.35	-44.3	-27	17.33
HE20, M0 to M11 1ss	1	8	-54.3		0.33	-46.0	-27	18.97
HE20, M0 to M11 1ss	2	8	-54.3	-55.2	0.33	-43.4	-27	16.39
HE20, M0 to M11 2ss	2	8	-54.3	-55.2	0.33	-43.4	-27	16.39
HE20 Beam Forming, M0 to M11 1ss	2	11	-54.3	-55.2	0.33	-40.4	-27	13.39
HE20 Beam Forming, M0 to M11 2ss	2	8	-54.3	-55.2	0.33	-43.4	-27	16.39
HE20 STBC, M0 to M11 2ss	2	8	-54.3	-55.2	0.33	-43.4	-27	16.39

Frequency 5755 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	8	-55.7		0.28	-47.4	-27	20.42
Non HT40, 6 to 54 Mbps	2	8	-55.7	-56.4	0.28	-44.7	-27	17.74
HT/VHT40, M0 to M7	1	8	-55.6		0.37	-47.2	-27	20.23
HT/VHT40, M0 to M7	2	8	-55.6	-56.4	0.37	-44.6	-27	17.6
HT/VHT40, M8 to M15	2	8	-55.6	-56.4	0.37	-44.6	-27	17.6
HT/VHT40 Beam Forming, M0 to M7	2	11	-55.6	-56.4	0.37	-41.6	-27	14.6
HT/VHT40 Beam Forming, M8 to M15	2	8	-55.6	-56.4	0.37	-44.6	-27	17.6
HT/VHT40 STBC, M8 to M15	2	8	-55.6	-56.4	0.37	-44.6	-27	17.6
HE40, M0 to M11 1ss	1	8	-55.4		0.38	-47.0	-27	20.02
HE40, M0 to M11 1ss	2	8	-55.4	-56.6	0.38	-44.6	-27	17.57
HE40, M0 to M11 2ss	2	8	-55.4	-56.6	0.38	-44.6	-27	17.57
HE40 Beam Forming, M0 to M11 1ss	2	11	-55.4	-56.6	0.38	-41.6	-27	14.57
HE40 Beam Forming, M0 to M11 2ss	2	8	-55.4	-56.6	0.38	-44.6	-27	17.57
HE40 STBC, M0 to M11 2ss	2	8	-55.4	-56.6	0.38	-44.6	-27	17.57

Frequency 5775 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	8	-56.6		0.43	-48.2	-27	21.17
Non HT80, 6 to 54 Mbps	2	8	-56.6	-56.2	0.43	-45.0	-27	17.95
VHT80, M0 to M11 1ss	1	8	-56.9		0.48	-48.4	-27	21.42
VHT80, M0 to M11 1ss	2	8	-56.9	-56.8	0.48	-45.4	-27	18.36
VHT80, M0 to M11 2ss	2	8	-56.9	-56.8	0.48	-45.4	-27	18.36
VHT80 Beam Forming, M0 to M11 1ss	2	11	-56.9	-56.8	0.48	-42.4	-27	15.36
VHT80 Beam Forming, M0 to M11 2ss	2	8	-56.9	-56.8	0.48	-45.4	-27	18.36
VHT80 STBC, M0 to M11 2ss	2	8	-56.9	-56.8	0.48	-45.4	-27	18.36
HE80, M0 to M11 1ss	1	8	-56.2		0.31	-47.9	-27	20.89
HE80, M0 to M11 1ss	2	8	-56.2	-57.1	0.31	-45.3	-27	18.3
HE80, M0 to M11 2ss	2	8	-56.2	-57.1	0.31	-45.3	-27	18.3
HE80 Beam Forming, M0 to M11 1ss	2	11	-56.2	-57.1	0.31	-42.3	-27	15.3
HE80 Beam Forming, M0 to M11 2ss	2	8	-56.2	-57.1	0.31	-45.3	-27	18.3
HE80 STBC, M0 to M11 2ss	2	8	-56.2	-57.1	0.31	-45.3	-27	18.3

Frequency 5785 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-55.2		0.36	-46.8	-27	19.84
Non HT20, 6 to 54 Mbps	2	8	-55.2	-56.2	0.36	-44.3	-27	17.3
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-55.2	-56.2	0.36	-41.3	-27	14.3
HT/VHT20, M0 to M7	1	8	-55.7		0.35	-47.3	-27	20.35
HT/VHT20, M0 to M7	2	8	-55.7	-56.5	0.35	-44.7	-27	17.72
HT/VHT20, M8 to M15	2	8	-55.7	-56.5	0.35	-44.7	-27	17.72
HT/VHT20 Beam Forming, M0 to M7	2	11	-55.7	-56.5	0.35	-41.7	-27	14.72
HT/VHT20 Beam Forming, M8 to M15	2	8	-55.7	-56.5	0.35	-44.7	-27	17.72
HT/VHT20 STBC, M8 to M15	2	8	-55.7	-56.5	0.35	-44.7	-27	17.72
HE20, M0 to M11 1ss	1	8	-55.4		0.33	-47.1	-27	20.07
HE20, M0 to M11 1ss	2	8	-55.4	-55.0	0.33	-43.9	-27	16.86
HE20, M0 to M11 2ss	2	8	-55.4	-55.0	0.33	-43.9	-27	16.86
HE20 Beam Forming, M0 to M11 1ss	2	11	-55.4	-55.0	0.33	-40.9	-27	13.86
HE20 Beam Forming, M0 to M11 2ss	2	8	-55.4	-55.0	0.33	-43.9	-27	16.86
HE20 STBC, M0 to M11 2ss	2	8	-55.4	-55.0	0.33	-43.9	-27	16.86

Frequency 5795 MHz

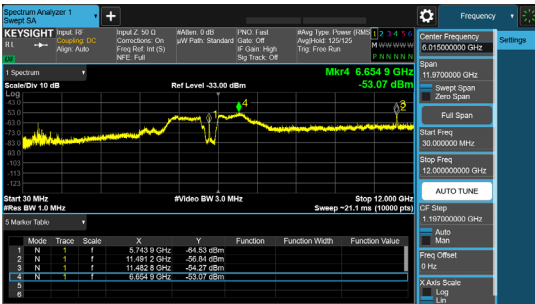
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	8	-55.2		0.28	-46.9	-27	19.92
Non HT40, 6 to 54 Mbps	2	8	-55.2	-56.1	0.28	-44.3	-27	17.33
HT/VHT40, M0 to M7	1	8	-56.6		0.37	-48.2	-27	21.23
HT/VHT40, M0 to M7	2	8	-56.6	-56.3	0.37	-45.1	-27	18.06
HT/VHT40, M8 to M15	2	8	-56.6	-56.3	0.37	-45.1	-27	18.06
HT/VHT40 Beam Forming, M0 to M7	2	11	-56.6	-56.3	0.37	-42.1	-27	15.06
HT/VHT40 Beam Forming, M8 to M15	2	8	-56.6	-56.3	0.37	-45.1	-27	18.06
HT/VHT40 STBC, M8 to M15	2	8	-56.6	-56.3	0.37	-45.1	-27	18.06
HE40, M0 to M11 1ss	1	8	-56.5		0.38	-48.1	-27	21.12
HE40, M0 to M11 1ss	2	8	-56.5	-56.7	0.38	-45.2	-27	18.21
HE40, M0 to M11 2ss	2	8	-56.5	-56.7	0.38	-45.2	-27	18.21
HE40 Beam Forming, M0 to M11 1ss	2	11	-56.5	-56.7	0.38	-42.2	-27	15.21
HE40 Beam Forming, M0 to M11 2ss	2	8	-56.5	-56.7	0.38	-45.2	-27	18.21
HE40 STBC, M0 to M11 2ss	2	8	-56.5	-56.7	0.38	-45.2	-27	18.21

Frequency 5825 MHz

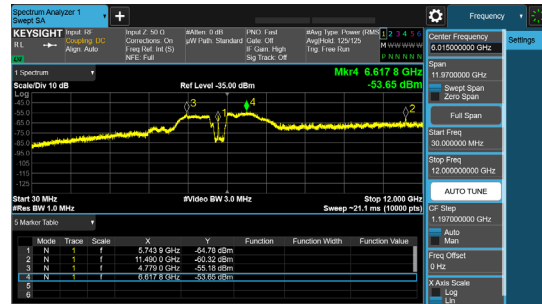
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-56.7		0.36	-48.3	-27	21.34
Non HT20, 6 to 54 Mbps	2	8	-56.7	-56.5	0.36	-45.2	-27	18.23
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-56.7	-56.5	0.36	-42.2	-27	15.23
HT/VHT20, M0 to M7	1	8	-57.2		0.35	-48.8	-27	21.85
HT/VHT20, M0 to M7	2	8	-57.2	-56.1	0.35	-45.3	-27	18.25
HT/VHT20, M8 to M15	2	8	-57.2	-56.1	0.35	-45.3	-27	18.25
HT/VHT20 Beam Forming, M0 to M7	2	11	-57.2	-56.1	0.35	-42.3	-27	15.25
HT/VHT20 Beam Forming, M8 to M15	2	8	-57.2	-56.1	0.35	-45.3	-27	18.25
HT/VHT20 STBC, M8 to M15	2	8	-57.2	-56.1	0.35	-45.3	-27	18.25
HE20, M0 to M11 1ss	1	8	-56.0		0.33	-47.7	-27	20.67
HE20, M0 to M11 1ss	2	8	-56.0	-55.9	0.33	-44.6	-27	17.61
HE20, M0 to M11 2ss	2	8	-56.0	-55.9	0.33	-44.6	-27	17.61
HE20 Beam Forming, M0 to M11 1ss	2	11	-56.0	-55.9	0.33	-41.6	-27	14.61
HE20 Beam Forming, M0 to M11 2ss	2	8	-56.0	-55.9	0.33	-44.6	-27	17.61
HE20 STBC, M0 to M11 2ss	2	8	-56.0	-55.9	0.33	-44.6	-27	17.61

Data Screenshots – Antenna gain 8dBi peak.

5745 MHz: HE20 Beam Forming, M0 to M11 1ss.

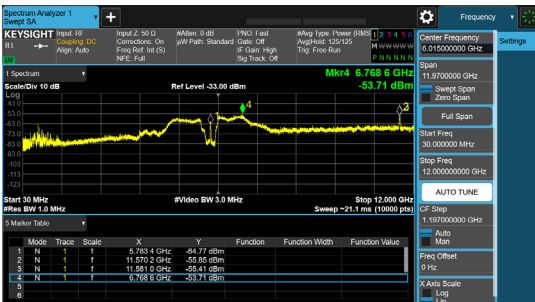


Antenna A

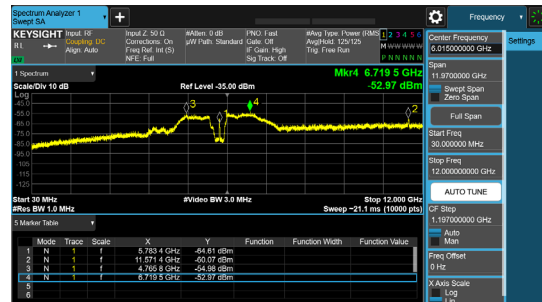


Antenna B

5785 MHz: HE20 Beam Forming, M0 to M11 1ss

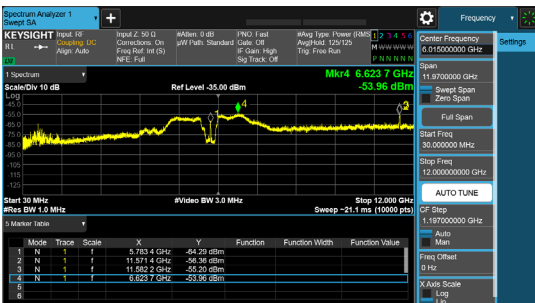


Antenna A

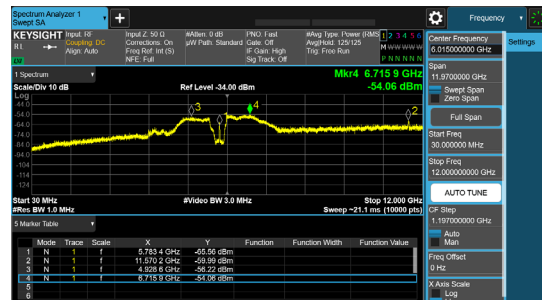


Antenna B

5785 MHz: Non HT20 Beam Forming, 6 to 54 Mbps



Antenna A



Antenna B

Conducted Spurious emissions Average – Antenna gain 15dBi.**Frequency 5690 MHz**

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	15	-62.4		0.43	-47.0	-41	5.72
Non HT80, 6 to 54 Mbps	2	15	-62.4	-64.9	0.43	-45.0	-41	3.78
VHT80, M0 to M11 1ss	1	15	-63.9		0.48	-48.4	-41	7.17
VHT80, M0 to M11 1ss	2	15	-63.9	-65.0	0.48	-45.9	-41	4.67
VHT80, M0 to M11 2ss	2	15	-63.9	-65.0	0.48	-45.9	-41	4.67
VHT80 Beam Forming, M0 to M11 1ss	2	15	-63.9	-65.0	0.48	-45.9	-41	4.67
VHT80 Beam Forming, M0 to M11 2ss	2	15	-63.9	-65.0	0.48	-45.9	-41	4.67
VHT80 STBC, M0 to M11 2ss	2	15	-63.9	-65.0	0.48	-45.9	-41	4.67
HE80, M0 to M11 1ss	1	15	-63.5		0.31	-48.2	-41	6.94
HE80, M0 to M11 1ss	2	15	-63.5	-64.9	0.31	-45.8	-41	4.57
HE80, M0 to M11 2ss	2	15	-63.5	-64.9	0.31	-45.8	-41	4.57
HE80 Beam Forming, M0 to M11 1ss	2	15	-63.5	-64.9	0.31	-45.8	-41	4.57
HE80 Beam Forming, M0 to M11 2ss	2	15	-63.5	-64.9	0.31	-45.8	-41	4.57
HE80 STBC, M0 to M11 2ss	2	15	-63.5	-64.9	0.31	-45.8	-41	4.57

Frequency 5710 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	15	-59.5		0.28	-44.2	-41	2.97
Non HT40, 6 to 54 Mbps	2	15	-59.5	-61.2	0.28	-42.0	-41	0.72
HT/VHT40, M0 to M7	1	15	-61.7		0.37	-46.3	-41	5.08
HT/VHT40, M0 to M7	2	15	-61.7	-62.6	0.37	-43.7	-41	2.49
HT/VHT40, M8 to M15	2	15	-61.7	-62.6	0.37	-43.7	-41	2.49
HT/VHT40 Beam Forming, M0 to M7	2	15	-61.7	-62.6	0.37	-43.7	-41	2.49
HT/VHT40 Beam Forming, M8 to M15	2	15	-61.7	-62.6	0.37	-43.7	-41	2.49
HT/VHT40 STBC, M8 to M15	2	15	-61.7	-62.6	0.37	-43.7	-41	2.49
HE40, M0 to M11 1ss	1	15	-61.4		0.38	-46.0	-41	4.77
HE40, M0 to M11 1ss	2	15	-61.4	-62.0	0.38	-43.3	-41	2.05
HE40, M0 to M11 2ss	2	15	-61.4	-62.0	0.38	-43.3	-41	2.05
HE40 Beam Forming, M0 to M11 1ss	2	15	-61.4	-62.0	0.38	-43.3	-41	2.05
HE40 Beam Forming, M0 to M11 2ss	2	15	-61.4	-62.0	0.38	-43.3	-41	2.05
HE40 STBC, M0 to M11 2ss	2	15	-61.4	-62.0	0.38	-43.3	-41	2.05

Frequency 5720 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	15	-59.3		0.36	-43.9	-41	2.69
Non HT20, 6 to 54 Mbps	2	15	-59.3	-61.0	0.36	-41.7	-41	0.45
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-59.3	-61.0	0.36	-41.7	-41	0.45
HT/VHT20, M0 to M7	1	15	-59.3		0.35	-43.9	-41	2.7
HT/VHT20, M0 to M7	2	15	-59.3	-61.6	0.35	-41.9	-41	0.69
HT/VHT20, M8 to M15	2	15	-59.3	-61.6	0.35	-41.9	-41	0.69
HT/VHT20 Beam Forming, M0 to M7	2	15	-59.3	-61.6	0.35	-41.9	-41	0.69
HT/VHT20 Beam Forming, M8 to M15	2	15	-59.3	-61.6	0.35	-41.9	-41	0.69
HT/VHT20 STBC, M8 to M15	2	15	-59.3	-61.6	0.35	-41.9	-41	0.69
HE20, M0 to M11 1ss	1	15	-62.4		0.33	-47.1	-41	5.82
HE20, M0 to M11 1ss	2	15	-62.4	-62.5	0.33	-44.1	-41	2.86
HE20, M0 to M11 2ss	2	15	-62.4	-62.5	0.33	-44.1	-41	2.86
HE20 Beam Forming, M0 to M11 1ss	2	15	-62.4	-62.5	0.33	-44.1	-41	2.86
HE20 Beam Forming, M0 to M11 2ss	2	15	-62.4	-62.5	0.33	-44.1	-41	2.86
HE20 STBC, M0 to M11 2ss	2	15	-62.4	-62.5	0.33	-44.1	-41	2.86

Frequency 5745 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	15	-59.7		0.36	-44.3	-41	3.09
Non HT20, 6 to 54 Mbps	2	15	-59.7	-62.2	0.36	-42.4	-41	1.15
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-59.7	-62.2	0.36	-42.4	-41	1.15
HT/VHT20, M0 to M7	1	15	-61.2		0.35	-45.8	-41	4.6
HT/VHT20, M0 to M7	2	15	-61.2	-62.3	0.35	-43.4	-41	2.1
HT/VHT20, M8 to M15	2	15	-61.2	-62.3	0.35	-43.4	-41	2.1
HT/VHT20 Beam Forming, M0 to M7	2	15	-61.2	-62.3	0.35	-43.4	-41	2.1
HT/VHT20 Beam Forming, M8 to M15	2	15	-61.2	-62.3	0.35	-43.4	-41	2.1
HT/VHT20 STBC, M8 to M15	2	15	-61.2	-62.3	0.35	-43.4	-41	2.1
HE20, M0 to M11 1ss	1	15	-61.9		0.33	-46.6	-41	5.32
HE20, M0 to M11 1ss	2	15	-61.4	-62.5	0.33	-43.6	-41	2.33
HE20, M0 to M11 2ss	2	15	-61.4	-62.5	0.33	-43.6	-41	2.33
HE20 Beam Forming, M0 to M11 1ss	2	15	-61.4	-62.5	0.33	-43.6	-41	2.33
HE20 Beam Forming, M0 to M11 2ss	2	15	-61.4	-62.5	0.33	-43.6	-41	2.33
HE20 STBC, M0 to M11 2ss	2	15	-61.4	-62.5	0.33	-43.6	-41	2.33

Frequency 5755 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	15	-59.4		0.28	-44.1	-41	2.87
Non HT40, 6 to 54 Mbps	2	15	-59.4	-61.9	0.28	-42.2	-41	0.93
HT/VHT40, M0 to M7	1	15	-61.8		0.37	-46.4	-41	5.18
HT/VHT40, M0 to M7	2	15	-61.6	-61.9	0.37	-43.4	-41	2.11
HT/VHT40, M8 to M15	2	15	-61.6	-61.9	0.37	-43.4	-41	2.11
HT/VHT40 Beam Forming, M0 to M7	2	15	-61.6	-61.9	0.37	-43.4	-41	2.11
HT/VHT40 Beam Forming, M8 to M15	2	15	-61.6	-61.9	0.37	-43.4	-41	2.11
HT/VHT40 STBC, M8 to M15	2	15	-61.6	-61.9	0.37	-43.4	-41	2.11
HE40, M0 to M11 1ss	1	15	-61.8		0.38	-46.4	-41	5.17
HE40, M0 to M11 1ss	2	15	-61.7	-62.1	0.38	-43.5	-41	2.25
HE40, M0 to M11 2ss	2	15	-61.7	-62.1	0.38	-43.5	-41	2.25
HE40 Beam Forming, M0 to M11 1ss	2	15	-61.7	-62.1	0.38	-43.5	-41	2.25
HE40 Beam Forming, M0 to M11 2ss	2	15	-61.7	-62.1	0.38	-43.5	-41	2.25
HE40 STBC, M0 to M11 2ss	2	15	-61.7	-62.1	0.38	-43.5	-41	2.25

Frequency 5775 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	15	-64.2		0.43	-48.8	-41	7.52
Non HT80, 6 to 54 Mbps	2	15	-63.6	-64.8	0.43	-45.7	-41	4.47
VHT80, M0 to M11 1ss	1	15	-63.7		0.48	-48.2	-41	6.97
VHT80, M0 to M11 1ss	2	15	-64.5	-64.8	0.48	-46.2	-41	4.9
VHT80, M0 to M11 2ss	2	15	-64.5	-64.8	0.48	-46.2	-41	4.9
VHT80 Beam Forming, M0 to M11 1ss	2	15	-64.5	-64.8	0.48	-46.2	-41	4.9
VHT80 Beam Forming, M0 to M11 2ss	2	15	-64.5	-64.8	0.48	-46.2	-41	4.9
VHT80 STBC, M0 to M11 2ss	2	15	-64.5	-64.8	0.48	-46.2	-41	4.9
HE80, M0 to M11 1ss	1	15	-64.3		0.31	-49.0	-41	7.74
HE80, M0 to M11 1ss	2	15	-64.0	-65.2	0.31	-46.2	-41	4.99
HE80, M0 to M11 2ss	2	15	-64.0	-65.2	0.31	-46.2	-41	4.99
HE80 Beam Forming, M0 to M11 1ss	2	15	-64.0	-65.2	0.31	-46.2	-41	4.99
HE80 Beam Forming, M0 to M11 2ss	2	15	-64.0	-65.2	0.31	-46.2	-41	4.99
HE80 STBC, M0 to M11 2ss	2	15	-64.0	-65.2	0.31	-46.2	-41	4.99

Frequency 5785 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	15	-62.9		0.36	-47.5	-41	6.29
Non HT20, 6 to 54 Mbps	2	15	-62.9	-62.2	0.36	-44.2	-41	2.92
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-62.9	-62.2	0.36	-44.2	-41	2.92
HT/VHT20, M0 to M7	1	15	-63.0		0.35	-47.6	-41	6.4
HT/VHT20, M0 to M7	2	15	-63.0	-62.3	0.35	-44.3	-41	3.02
HT/VHT20, M8 to M15	2	15	-63.0	-62.3	0.35	-44.3	-41	3.02
HT/VHT20 Beam Forming, M0 to M7	2	15	-63.0	-62.3	0.35	-44.3	-41	3.02
HT/VHT20 Beam Forming, M8 to M15	2	15	-63.0	-62.3	0.35	-44.3	-41	3.02
HT/VHT20 STBC, M8 to M15	2	15	-63.0	-62.3	0.35	-44.3	-41	3.02
HE20, M0 to M11 1ss	1	15	-60.6		0.33	-45.3	-41	4.02
HE20, M0 to M11 1ss	2	15	-60.6	-61.3	0.33	-42.6	-41	1.35
HE20, M0 to M11 2ss	2	15	-60.6	-61.3	0.33	-42.6	-41	1.35
HE20 Beam Forming, M0 to M11 1ss	2	15	-60.6	-61.3	0.33	-42.6	-41	1.35
HE20 Beam Forming, M0 to M11 2ss	2	15	-60.6	-61.3	0.33	-42.6	-41	1.35
HE20 STBC, M0 to M11 2ss	2	15	-60.6	-61.3	0.33	-42.6	-41	1.35

Frequency 5795 MHz

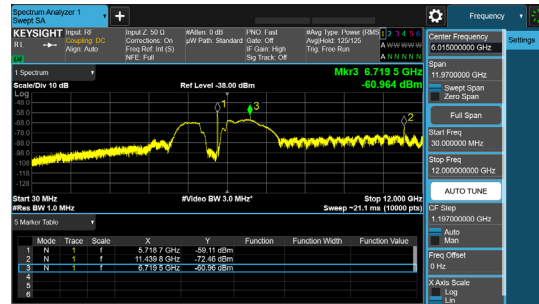
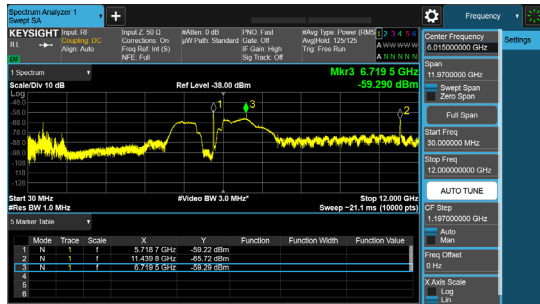
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	15	-62.6		0.28	-47.3	-41	6.07
Non HT40, 6 to 54 Mbps	2	15	-62.6	-62.1	0.28	-44.1	-41	2.8
HT/VHT40, M0 to M7	1	15	-63.2		0.37	-47.8	-41	6.58
HT/VHT40, M0 to M7	2	15	-63.2	-62.7	0.37	-44.6	-41	3.31
HT/VHT40, M8 to M15	2	15	-63.2	-62.7	0.37	-44.6	-41	3.31
HT/VHT40 Beam Forming, M0 to M7	2	15	-63.2	-62.7	0.37	-44.6	-41	3.31
HT/VHT40 Beam Forming, M8 to M15	2	15	-63.2	-62.7	0.37	-44.6	-41	3.31
HT/VHT40 STBC, M8 to M15	2	15	-63.2	-62.7	0.37	-44.6	-41	3.31
HE40, M0 to M11 1ss	1	15	-60.3		0.38	-44.9	-41	3.67
HE40, M0 to M11 1ss	2	15	-60.5	-61.2	0.38	-42.4	-41	1.19
HE40, M0 to M11 2ss	2	15	-60.5	-61.2	0.38	-42.4	-41	1.19
HE40 Beam Forming, M0 to M11 1ss	2	15	-60.5	-61.2	0.38	-42.4	-41	1.19
HE40 Beam Forming, M0 to M11 2ss	2	15	-60.5	-61.2	0.38	-42.4	-41	1.19
HE40 STBC, M0 to M11 2ss	2	15	-60.5	-61.2	0.38	-42.4	-41	1.19

Frequency 5825 MHz

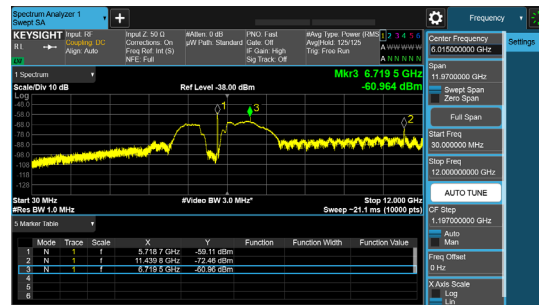
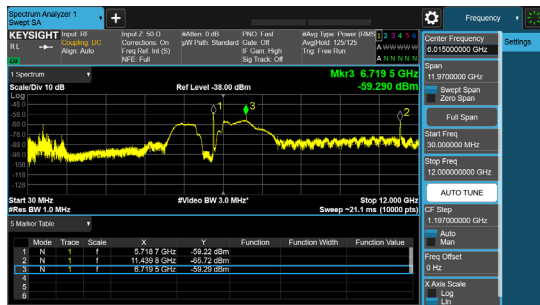
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	15	-61.2		0.36	-45.8	-41	4.59
Non HT20, 6 to 54 Mbps	2	15	-61.2	-62.0	0.36	-43.2	-41	1.96
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-61.2	-62.0	0.36	-43.2	-41	1.96
HT/VHT20, M0 to M7	1	15	-61.0		0.35	-45.6	-41	4.4
HT/VHT20, M0 to M7	2	15	-61.0	-62.0	0.35	-43.1	-41	1.86
HT/VHT20, M8 to M15	2	15	-61.0	-62.0	0.35	-43.1	-41	1.86
HT/VHT20 Beam Forming, M0 to M7	2	15	-61.0	-62.0	0.35	-43.1	-41	1.86
HT/VHT20 Beam Forming, M8 to M15	2	15	-61.0	-62.0	0.35	-43.1	-41	1.86
HT/VHT20 STBC, M8 to M15	2	15	-61.0	-62.0	0.35	-43.1	-41	1.86
HE20, M0 to M11 1ss	1	15	-60.9		0.33	-45.6	-41	4.32
HE20, M0 to M11 1ss	2	15	-61.1	-61.8	0.33	-43.1	-41	1.85
HE20, M0 to M11 2ss	2	15	-61.1	-61.8	0.33	-43.1	-41	1.85
HE20 Beam Forming, M0 to M11 1ss	2	15	-61.1	-61.8	0.33	-43.1	-41	1.85
HE20 Beam Forming, M0 to M11 2ss	2	15	-61.1	-61.8	0.33	-43.1	-41	1.85
HE20 STBC, M0 to M11 2ss	2	15	-61.1	-61.8	0.33	-43.1	-41	1.85

Data Screenshots – Antenna gain 15dBi average.

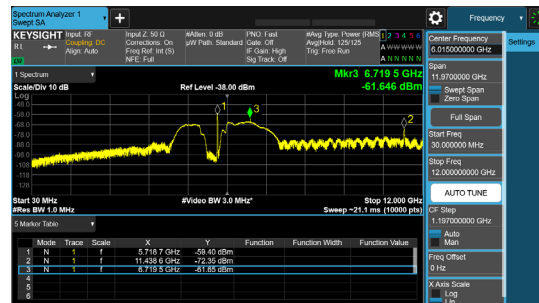
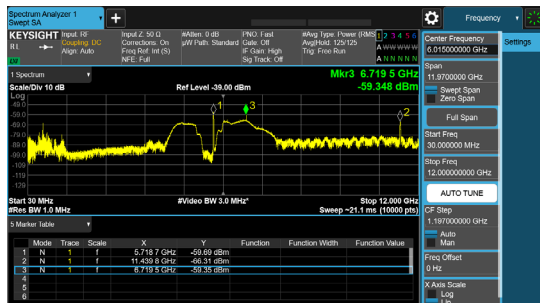
5720 MHz: Non HT20, 6 to 54 Mbps



5720 MHz: Non HT20 Beam Forming, 6 to 54 Mbps



5720 MHz: HT/VHT20, M0 to M7



Conducted Spurious emissions Peak – Antenna gain 15dBi.**Frequency 5690 MHz**

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	15	-57.1		0.43	-41.7	-27	14.67
Non HT80, 6 to 54 Mbps	2	15	-57.1	-56.3	0.43	-38.2	-27	11.24
VHT80, M0 to M11 1ss	1	15	-56.6		0.48	-41.1	-27	14.12
VHT80, M0 to M11 1ss	2	15	-56.6	-56.6	0.48	-38.1	-27	11.11
VHT80, M0 to M11 2ss	2	15	-56.6	-56.6	0.48	-38.1	-27	11.11
VHT80 Beam Forming, M0 to M11 1ss	2	15	-56.6	-56.6	0.48	-38.1	-27	11.11
VHT80 Beam Forming, M0 to M11 2ss	2	15	-56.6	-56.6	0.48	-38.1	-27	11.11
VHT80 STBC, M0 to M11 2ss	2	15	-56.6	-56.6	0.48	-38.1	-27	11.11
HE80, M0 to M11 1ss	1	15	-56.1		0.31	-40.8	-27	13.79
HE80, M0 to M11 1ss	2	15	-56.1	-56.8	0.31	-38.1	-27	11.11
HE80, M0 to M11 2ss	2	15	-56.1	-56.8	0.31	-38.1	-27	11.11
HE80 Beam Forming, M0 to M11 1ss	2	15	-56.1	-56.8	0.31	-38.1	-27	11.11
HE80 Beam Forming, M0 to M11 2ss	2	15	-56.1	-56.8	0.31	-38.1	-27	11.11
HE80 STBC, M0 to M11 2ss	2	15	-56.1	-56.8	0.31	-38.1	-27	11.11

Frequency 5710 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	15	-56.3		0.28	-41.0	-27	14.02
Non HT40, 6 to 54 Mbps	2	15	-56.3	-56.6	0.28	-38.2	-27	11.15
HT/VHT40, M0 to M7	1	15	-56.0		0.37	-40.6	-27	13.63
HT/VHT40, M0 to M7	2	15	-56.0	-56.6	0.37	-37.9	-27	10.91
HT/VHT40, M8 to M15	2	15	-56.0	-56.6	0.37	-37.9	-27	10.91
HT/VHT40 Beam Forming, M0 to M7	2	15	-56.0	-56.6	0.37	-37.9	-27	10.91
HT/VHT40 Beam Forming, M8 to M15	2	15	-56.0	-56.6	0.37	-37.9	-27	10.91
HT/VHT40 STBC, M8 to M15	2	15	-56.0	-56.6	0.37	-37.9	-27	10.91
HE40, M0 to M11 1ss	1	15	-56.7		0.38	-41.3	-27	14.32
HE40, M0 to M11 1ss	2	15	-56.7	-56.8	0.38	-38.4	-27	11.36
HE40, M0 to M11 2ss	2	15	-56.7	-56.8	0.38	-38.4	-27	11.36
HE40 Beam Forming, M0 to M11 1ss	2	15	-56.7	-56.8	0.38	-38.4	-27	11.36
HE40 Beam Forming, M0 to M11 2ss	2	15	-56.7	-56.8	0.38	-38.4	-27	11.36
HE40 STBC, M0 to M11 2ss	2	15	-56.7	-56.8	0.38	-38.4	-27	11.36

Frequency 5720 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	15	-55.3		0.36	-39.9	-27	12.94
Non HT20, 6 to 54 Mbps	2	15	-55.3	-56.3	0.36	-37.4	-27	10.4
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-55.3	-56.3	0.36	-37.4	-27	10.4
HT/VHT20, M0 to M7	1	15	-54.6		0.35	-39.2	-27	12.25
HT/VHT20, M0 to M7	2	15	-54.6	-56.7	0.35	-37.2	-27	10.16
HT/VHT20, M8 to M15	2	15	-54.6	-56.7	0.35	-37.2	-27	10.16
HT/VHT20 Beam Forming, M0 to M7	2	15	-54.6	-56.7	0.35	-37.2	-27	10.16
HT/VHT20 Beam Forming, M8 to M15	2	15	-54.6	-56.7	0.35	-37.2	-27	10.16
HT/VHT20 STBC, M8 to M15	2	15	-54.6	-56.7	0.35	-37.2	-27	10.16
HE20, M0 to M11 1ss	1	15	-55.8		0.33	-40.5	-27	13.47
HE20, M0 to M11 1ss	2	15	-55.8	-56.5	0.33	-37.8	-27	10.8
HE20, M0 to M11 2ss	2	15	-55.8	-56.5	0.33	-37.8	-27	10.8
HE20 Beam Forming, M0 to M11 1ss	2	15	-55.8	-56.5	0.33	-37.8	-27	10.8
HE20 Beam Forming, M0 to M11 2ss	2	15	-55.8	-56.5	0.33	-37.8	-27	10.8
HE20 STBC, M0 to M11 2ss	2	15	-55.8	-56.5	0.33	-37.8	-27	10.8

Frequency 5745 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	15	-55.5		0.36	-40.1	-27	13.14
Non HT20, 6 to 54 Mbps	2	15	-55.5	-56.6	0.36	-37.6	-27	10.65
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-55.5	-56.6	0.36	-37.6	-27	10.65
HT/VHT20, M0 to M7	1	15	-55.9		0.35	-40.5	-27	13.55
HT/VHT20, M0 to M7	2	15	-55.9	-55.5	0.35	-37.3	-27	10.33
HT/VHT20, M8 to M15	2	15	-55.9	-55.5	0.35	-37.3	-27	10.33
HT/VHT20 Beam Forming, M0 to M7	2	15	-55.9	-55.5	0.35	-37.3	-27	10.33
HT/VHT20 Beam Forming, M8 to M15	2	15	-55.9	-55.5	0.35	-37.3	-27	10.33
HT/VHT20 STBC, M8 to M15	2	15	-55.9	-55.5	0.35	-37.3	-27	10.33
HE20, M0 to M11 1ss	1	15	-54.3		0.33	-39.0	-27	11.97
HE20, M0 to M11 1ss	2	15	-55.3	-55.8	0.33	-37.2	-27	10.2
HE20, M0 to M11 2ss	2	15	-55.3	-55.8	0.33	-37.2	-27	10.2
HE20 Beam Forming, M0 to M11 1ss	2	15	-55.3	-55.8	0.33	-37.2	-27	10.2
HE20 Beam Forming, M0 to M11 2ss	2	15	-55.3	-55.8	0.33	-37.2	-27	10.2
HE20 STBC, M0 to M11 2ss	2	15	-55.3	-55.8	0.33	-37.2	-27	10.2

Frequency 5755 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	15	-55.7		0.28	-40.4	-27	13.42
Non HT40, 6 to 54 Mbps	2	15	-55.7	-56.4	0.28	-37.7	-27	10.74
HT/VHT40, M0 to M7	1	15	-55.6		0.37	-40.2	-27	13.23
HT/VHT40, M0 to M7	2	15	-55.4	-56.4	0.37	-37.5	-27	10.49
HT/VHT40, M8 to M15	2	15	-55.4	-56.4	0.37	-37.5	-27	10.49
HT/VHT40 Beam Forming, M0 to M7	2	15	-55.4	-56.4	0.37	-37.5	-27	10.49
HT/VHT40 Beam Forming, M8 to M15	2	15	-55.4	-56.4	0.37	-37.5	-27	10.49
HT/VHT40 STBC, M8 to M15	2	15	-55.4	-56.4	0.37	-37.5	-27	10.49
HE40, M0 to M11 1ss	1	15	-55.4		0.38	-40.0	-27	13.02
HE40, M0 to M11 1ss	2	15	-55.7	-57.1	0.38	-38.0	-27	10.95
HE40, M0 to M11 2ss	2	15	-55.7	-57.1	0.38	-38.0	-27	10.95
HE40 Beam Forming, M0 to M11 1ss	2	15	-55.7	-57.1	0.38	-38.0	-27	10.95
HE40 Beam Forming, M0 to M11 2ss	2	15	-55.7	-57.1	0.38	-38.0	-27	10.95
HE40 STBC, M0 to M11 2ss	2	15	-55.7	-57.1	0.38	-38.0	-27	10.95

Frequency 5775 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	15	-56.6		0.43	-41.2	-27	14.17
Non HT80, 6 to 54 Mbps	2	15	-56.8	-56.6	0.43	-38.3	-27	11.26
VHT80, M0 to M11 1ss	1	15	-56.9		0.48	-41.4	-27	14.42
VHT80, M0 to M11 1ss	2	15	-56.4	-56.4	0.48	-37.9	-27	10.91
VHT80, M0 to M11 2ss	2	15	-56.4	-56.4	0.48	-37.9	-27	10.91
VHT80 Beam Forming, M0 to M11 1ss	2	15	-56.4	-56.4	0.48	-37.9	-27	10.91
VHT80 Beam Forming, M0 to M11 2ss	2	15	-56.4	-56.4	0.48	-37.9	-27	10.91
VHT80 STBC, M0 to M11 2ss	2	15	-56.4	-56.4	0.48	-37.9	-27	10.91
HE80, M0 to M11 1ss	1	15	-56.2		0.31	-40.9	-27	13.89
HE80, M0 to M11 1ss	2	15	-57.4	-56.5	0.31	-38.6	-27	11.6
HE80, M0 to M11 2ss	2	15	-57.4	-56.5	0.31	-38.6	-27	11.6
HE80 Beam Forming, M0 to M11 1ss	2	15	-57.4	-56.5	0.31	-38.6	-27	11.6
HE80 Beam Forming, M0 to M11 2ss	2	15	-57.4	-56.5	0.31	-38.6	-27	11.6
HE80 STBC, M0 to M11 2ss	2	15	-57.4	-56.5	0.31	-38.6	-27	11.6

Frequency 5785 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	15	-55.2		0.36	-39.8	-27	12.84
Non HT20, 6 to 54 Mbps	2	15	-55.2	-56.2	0.36	-37.3	-27	10.3
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-55.2	-56.2	0.36	-37.3	-27	10.3
HT/VHT20, M0 to M7	1	15	-55.7		0.35	-40.3	-27	13.35
HT/VHT20, M0 to M7	2	15	-55.7	-56.5	0.35	-37.7	-27	10.72
HT/VHT20, M8 to M15	2	15	-55.7	-56.5	0.35	-37.7	-27	10.72
HT/VHT20 Beam Forming, M0 to M7	2	15	-55.7	-56.5	0.35	-37.7	-27	10.72
HT/VHT20 Beam Forming, M8 to M15	2	15	-55.7	-56.5	0.35	-37.7	-27	10.72
HT/VHT20 STBC, M8 to M15	2	15	-55.7	-56.5	0.35	-37.7	-27	10.72
HE20, M0 to M11 1ss	1	15	-55.4		0.33	-40.1	-27	13.07
HE20, M0 to M11 1ss	2	15	-55.9	-56.9	0.33	-38.0	-27	11.03
HE20, M0 to M11 2ss	2	15	-55.9	-56.9	0.33	-38.0	-27	11.03
HE20 Beam Forming, M0 to M11 1ss	2	15	-55.9	-56.9	0.33	-38.0	-27	11.03
HE20 Beam Forming, M0 to M11 2ss	2	15	-55.9	-56.9	0.33	-38.0	-27	11.03
HE20 STBC, M0 to M11 2ss	2	15	-55.9	-56.9	0.33	-38.0	-27	11.03

Frequency 5795 MHz

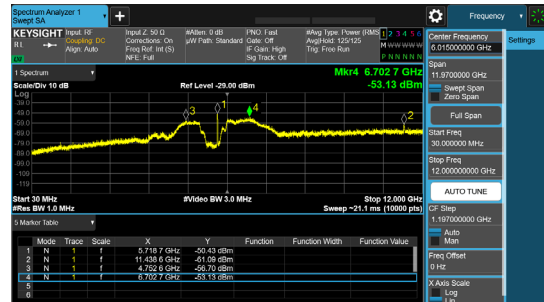
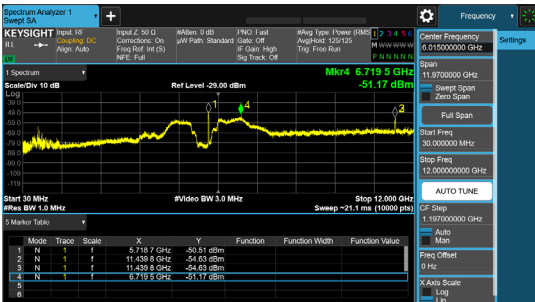
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	15	-55.2		0.28	-39.9	-27	12.92
Non HT40, 6 to 54 Mbps	2	15	-55.2	-56.1	0.28	-37.3	-27	10.33
HT/VHT40, M0 to M7	1	15	-56.6		0.37	-41.2	-27	14.23
HT/VHT40, M0 to M7	2	15	-56.6	-56.3	0.37	-38.1	-27	11.06
HT/VHT40, M8 to M15	2	15	-56.6	-56.3	0.37	-38.1	-27	11.06
HT/VHT40 Beam Forming, M0 to M7	2	15	-56.6	-56.3	0.37	-38.1	-27	11.06
HT/VHT40 Beam Forming, M8 to M15	2	15	-56.6	-56.3	0.37	-38.1	-27	11.06
HT/VHT40 STBC, M8 to M15	2	15	-56.6	-56.3	0.37	-38.1	-27	11.06
HE40, M0 to M11 1ss	1	15	-56.5		0.38	-41.1	-27	14.12
HE40, M0 to M11 1ss	2	15	-57.1	-55.4	0.38	-37.8	-27	10.78
HE40, M0 to M11 2ss	2	15	-57.1	-55.4	0.38	-37.8	-27	10.78
HE40 Beam Forming, M0 to M11 1ss	2	15	-57.1	-55.4	0.38	-37.8	-27	10.78
HE40 Beam Forming, M0 to M11 2ss	2	15	-57.1	-55.4	0.38	-37.8	-27	10.78
HE40 STBC, M0 to M11 2ss	2	15	-57.1	-55.4	0.38	-37.8	-27	10.78

Frequency 5825 MHz

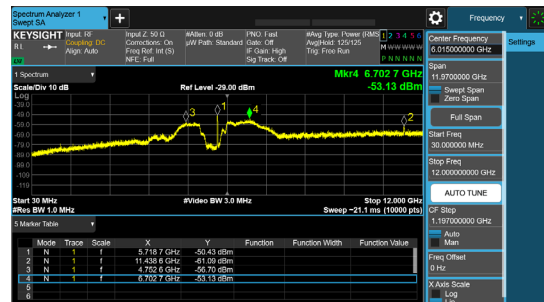
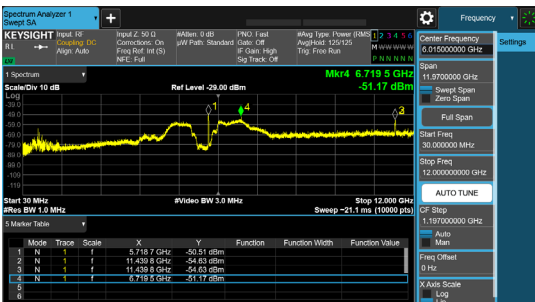
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	15	-56.7		0.36	-41.3	-27	14.34
Non HT20, 6 to 54 Mbps	2	15	-56.7	-56.5	0.36	-38.2	-27	11.23
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-56.7	-56.5	0.36	-38.2	-27	11.23
HT/VHT20, M0 to M7	1	15	-57.2		0.35	-41.8	-27	14.85
HT/VHT20, M0 to M7	2	15	-57.2	-56.1	0.35	-38.3	-27	11.25
HT/VHT20, M8 to M15	2	15	-57.2	-56.1	0.35	-38.3	-27	11.25
HT/VHT20 Beam Forming, M0 to M7	2	15	-57.2	-56.1	0.35	-38.3	-27	11.25
HT/VHT20 Beam Forming, M8 to M15	2	15	-57.2	-56.1	0.35	-38.3	-27	11.25
HT/VHT20 STBC, M8 to M15	2	15	-57.2	-56.1	0.35	-38.3	-27	11.25
HE20, M0 to M11 1ss	1	15	-56.0		0.33	-40.7	-27	13.67
HE20, M0 to M11 1ss	2	15	-57.2	-56.1	0.33	-38.3	-27	11.28
HE20, M0 to M11 2ss	2	15	-57.2	-56.1	0.33	-38.3	-27	11.28
HE20 Beam Forming, M0 to M11 1ss	2	15	-57.2	-56.1	0.33	-38.3	-27	11.28
HE20 Beam Forming, M0 to M11 2ss	2	15	-57.2	-56.1	0.33	-38.3	-27	11.28
HE20 STBC, M0 to M11 2ss	2	15	-57.2	-56.1	0.33	-38.3	-27	11.28

Data Screenshots – Antenna gain 15dBi peak.

5720 MHz: HT/VHT20, M0 to M7



5720 MHz: HT/VHT20, M8 to M15



5720 MHz: HT/VHT20 Beam Forming, M0 to M7

