

A.5: Conducted Spurious Emissions

Conducted Spurious Emissions Test Requirement

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:

- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (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.
- (8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits

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

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

- 1) Average Plot, Limit= -41.25 dBm eirp
- 2) Peak plot, Limit = -21.25 dBm eirp

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

2. Unwanted Emissions that fall Outside of the Restricted Bands

- a) For all measurements, follow the requirements in II.G.3. "*General Requirements for Unwanted Emissions Measurements.*"
- b) At frequencies below 1000 MHz, use the procedure described in II.G.4. "*Procedure for Unwanted Emissions Measurements Below 1000 MHz.*"
- c) At frequencies above 1000 MHz, use the procedure for maximum emissions described in II.G.5., "*Procedure for Unwanted Emissions Measurements Above 1000 MHz.*"
- (i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.

Conducted Spurious Emissions Test ProcedureRef. **ANSI C63.10: 2013****KDB 789033 D02 General UNII Test Procedures New Rules v02r01**

Conducted Spurious Emissions Test Procedure
<ol style="list-style-type: none"> 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. **ANSI C63.10: 2013 section 12.7.6 (Peak) and 12.7.7.2 (Average)****KDB 789033 D02 General UNII Test Procedures New Rules v02r01, Sec. 5 (Peak), Sec. 6 (Average Method AD)**

Conducted Spurious Emissions Test parameters	
Peak RBW = 1 MHz VBW ≥ 3 MHz Sweep = Auto Detector = Peak Trace = Max Hold.	Average RBW = 1 MHz VBW ≥ 3 MHz Sweep = Auto 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: 3/22/2023 - 6/2/2023
Test Result: PASS	

Test Equipment

See Appendix C for list of test equipment

Note:

1. Although 100kHz RBW is required for emissions below 1GHz, 1MHz RBW was used in order to show compliance under worst-case setting
2. Emissions above 12GHz are only noise floor and that data can be additionally shown in radiated report

Conducted Spurious Average Table – 5G Antenna Gain 7**Frequency 5500 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	7	-62.9		0.17	-55.7	-41	14.48
Non HT20, 6 to 54 Mbps	2	7	-63.2	-61.3	0.17	-52.0	-41	10.72
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-63.2	-61.3	0.17	-49.0	-41	7.72
HT/VHT20, M0 to M7	1	7	-63.3		0.66	-55.6	-41	14.39
HT/VHT20, M0 to M7	2	7	-63.9	-61.6	0.66	-51.9	-41	10.68
HT/VHT20, M8 to M15	2	7	-63.3	-61.3	0.66	-51.5	-41	10.27
HT/VHT20 Beam Forming, M0 to M7	2	10	-63.9	-61.6	0.66	-48.9	-41	7.68
HT/VHT20 Beam Forming, M8 to M15	2	7	-63.3	-61.3	0.66	-51.5	-41	10.27
HT/VHT20 STBC, M8 to M15	2	7	-63.3	-61.3	0.66	-51.5	-41	10.27
HE20, M0 to M11 1ss	1	7	-62.9		0.28	-55.6	-41	14.37
HE20, M0 to M11 1ss	2	7	-63.7	-61.4	0.28	-52.1	-41	10.86
HE20, M0 to M11 2ss	2	7	-63.9	-61.7	0.28	-52.4	-41	11.13
HE20 Beam Forming, M0 to M11 1ss	2	10	-63.7	-61.4	0.28	-49.1	-41	7.86
HE20 Beam Forming, M0 to M11 2ss	2	7	-63.9	-61.7	0.28	-52.4	-41	11.13
HE20 STBC, M0 to M11 2ss	2	7	-63.9	-61.7	0.28	-52.4	-41	11.13

Frequency 5510 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	7	-61.4		0.23	-54.2	-41	12.92
Non HT40, 6 to 54 Mbps	2	7	-61.4	-59.9	0.23	-50.3	-41	9.1
HT/VHT40, M0 to M7	1	7	-62.4		0.39	-55.0	-41	13.76
HT/VHT40, M0 to M7	2	7	-62.4	-60.7	0.39	-51.1	-41	9.82
HT/VHT40, M8 to M15	2	7	-62.4	-60.7	0.39	-51.1	-41	9.82
HT/VHT40 Beam Forming, M0 to M7	2	10	-62.3	-60.1	0.39	-47.7	-41	6.42
HT/VHT40 Beam Forming, M8 to M15	2	7	-62.4	-60.7	0.39	-51.1	-41	9.82
HT/VHT40 STBC, M8 to M15	2	7	-62.4	-60.7	0.39	-51.1	-41	9.82
HE40, M0 to M11 1ss	1	7	-62.2		0.32	-54.9	-41	13.63
HE40, M0 to M11 1ss	2	7	-62.2	-61.1	0.32	-51.3	-41	10.03
HE40, M0 to M11 2ss	2	7	-62.2	-61.1	0.32	-51.3	-41	10.03
HE40 Beam Forming, M0 to M11 1ss	2	10	-62.6	-60.5	0.32	-48.1	-41	6.84
HE40 Beam Forming, M0 to M11 2ss	2	7	-62.2	-61.1	0.32	-51.3	-41	10.03
HE40 STBC, M0 to M11 2ss	2	7	-62.2	-61.1	0.32	-51.3	-41	10.03

Frequency 5530 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	7	-63.8		0.31	-56.5	-41	15.24
Non HT80, 6 to 54 Mbps	2	7	-64.0	-63.7	0.31	-53.5	-41	12.28
VHT80, M0 to M11 1ss	1	7	-64.5		0.62	-56.9	-41	15.63
VHT80, M0 to M11 1ss	2	7	-64.6	-64.5	0.62	-53.9	-41	12.67
VHT80, M0 to M11 2ss	2	7	-64.6	-64.5	0.62	-53.9	-41	12.67
VHT80 Beam Forming, M0 to M11 1ss	2	10	-64.6	-64.7	0.62	-51.0	-41	9.77
VHT80 Beam Forming, M0 to M11 2ss	2	7	-64.6	-64.5	0.62	-53.9	-41	12.67
VHT80 STBC, M0 to M11 2ss	2	7	-64.6	-64.5	0.62	-53.9	-41	12.67
HE80, M0 to M11 1ss	1	7	-64.5		0.35	-57.1	-41	15.9
HE80, M0 to M11 1ss	2	7	-64.5	-64.8	0.35	-54.3	-41	13.03
HE80, M0 to M11 2ss	2	7	-64.5	-64.8	0.35	-54.3	-41	13.03
HE80 Beam Forming, M0 to M11 1ss	2	10	-64.4	-65.0	0.35	-51.3	-41	10.08
HE80 Beam Forming, M0 to M11 2ss	2	7	-64.5	-64.8	0.35	-54.3	-41	13.03
HE80 STBC, M0 to M11 2ss	2	7	-64.5	-64.8	0.35	-54.3	-41	13.03

Frequency 5550 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	7	-61.4		0.23	-54.2	-41	12.92
Non HT40, 6 to 54 Mbps	2	7	-61.0	-61.3	0.23	-50.9	-41	9.66
HT/VHT40, M0 to M7	1	7	-61.9		0.39	-54.5	-41	13.26
HT/VHT40, M0 to M7	2	7	-61.4	-61.3	0.39	-51.0	-41	9.7
HT/VHT40, M8 to M15	2	7	-61.9	-61.5	0.39	-51.3	-41	10.05
HT/VHT40 Beam Forming, M0 to M7	2	10	-61.4	-61.3	0.39	-48.0	-41	6.7
HT/VHT40 Beam Forming, M8 to M15	2	7	-61.9	-61.5	0.39	-51.3	-41	10.05
HT/VHT40 STBC, M8 to M15	2	7	-61.9	-61.5	0.39	-51.3	-41	10.05
HE40, M0 to M11 1ss	1	7	-61.6		0.32	-54.3	-41	13.03
HE40, M0 to M11 1ss	2	7	-61.2	-61.2	0.32	-50.9	-41	9.62
HE40, M0 to M11 2ss	2	7	-61.6	-61.0	0.32	-51.0	-41	9.71
HE40 Beam Forming, M0 to M11 1ss	2	10	-61.2	-61.2	0.32	-47.9	-41	6.62
HE40 Beam Forming, M0 to M11 2ss	2	7	-61.6	-61.0	0.32	-51.0	-41	9.71
HE40 STBC, M0 to M11 2ss	2	7	-61.6	-61.0	0.32	-51.0	-41	9.71

Frequency 5560 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	7	-62.9		0.17	-55.7	-41	14.48
Non HT20, 6 to 54 Mbps	2	7	-63.4	-61.5	0.17	-52.2	-41	10.92
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-63.4	-61.5	0.17	-49.2	-41	7.92
HT/VHT20, M0 to M7	1	7	-63.4		0.66	-55.7	-41	14.49
HT/VHT20, M0 to M7	2	7	-63.1	-61.4	0.66	-51.5	-41	10.25
HT/VHT20, M8 to M15	2	7	-63.2	-61.8	0.66	-51.8	-41	10.52
HT/VHT20 Beam Forming, M0 to M7	2	10	-63.1	-61.4	0.66	-48.5	-41	7.25
HT/VHT20 Beam Forming, M8 to M15	2	7	-63.2	-61.8	0.66	-51.8	-41	10.52
HT/VHT20 STBC, M8 to M15	2	7	-63.2	-61.8	0.66	-51.8	-41	10.52
HE20, M0 to M11 1ss	1	7	-62.4		0.28	-55.1	-41	13.87
HE20, M0 to M11 1ss	2	7	-62.4	-61.5	0.28	-51.6	-41	10.39
HE20, M0 to M11 2ss	2	7	-62.5	-61.9	0.28	-51.9	-41	10.65
HE20 Beam Forming, M0 to M11 1ss	2	10	-62.4	-61.5	0.28	-48.6	-41	7.39
HE20 Beam Forming, M0 to M11 2ss	2	7	-62.5	-61.9	0.28	-51.9	-41	10.65
HE20 STBC, M0 to M11 2ss	2	7	-62.5	-61.9	0.28	-51.9	-41	10.65

Frequency 5610 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	7	-62.6		0.31	-55.3	-41	14.04
Non HT80, 6 to 54 Mbps	2	7	-64.3	-64.8	0.31	-54.2	-41	12.98
VHT80, M0 to M11 1ss	1	7	-64.7		0.62	-57.1	-41	15.83
VHT80, M0 to M11 1ss	2	7	-64.7	-64.7	0.62	-54.1	-41	12.82
VHT80, M0 to M11 2ss	2	7	-64.7	-64.7	0.62	-54.1	-41	12.82
VHT80 Beam Forming, M0 to M11 1ss	2	10	-64.8	-64.3	0.62	-50.9	-41	9.66
VHT80 Beam Forming, M0 to M11 2ss	2	7	-64.7	-64.7	0.62	-54.1	-41	12.82
VHT80 STBC, M0 to M11 2ss	2	7	-64.7	-64.7	0.62	-54.1	-41	12.82
HE80, M0 to M11 1ss	1	7	-64.5		0.35	-57.1	-41	15.9
HE80, M0 to M11 1ss	2	7	-64.5	-64.9	0.35	-54.3	-41	13.08
HE80, M0 to M11 2ss	2	7	-64.5	-64.9	0.35	-54.3	-41	13.08
HE80 Beam Forming, M0 to M11 1ss	2	10	-64.8	-65.1	0.35	-51.6	-41	10.33
HE80 Beam Forming, M0 to M11 2ss	2	7	-64.5	-64.9	0.35	-54.3	-41	13.08
HE80 STBC, M0 to M11 2ss	2	7	-64.5	-64.9	0.35	-54.3	-41	13.08

Frequency 5670 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	7	-63.5		0.23	-56.3	-41	15.02
Non HT40, 6 to 54 Mbps	2	7	-63.3	-62.0	0.23	-52.4	-41	11.11
HT/VHT40, M0 to M7	1	7	-63.7		0.39	-56.3	-41	15.06
HT/VHT40, M0 to M7	2	7	-63.7	-61.7	0.39	-52.2	-41	10.94
HT/VHT40, M8 to M15	2	7	-63.7	-61.7	0.39	-52.2	-41	10.94
HT/VHT40 Beam Forming, M0 to M7	2	10	-63.5	-61.8	0.39	-49.2	-41	7.92
HT/VHT40 Beam Forming, M8 to M15	2	7	-63.7	-61.7	0.39	-52.2	-41	10.94
HT/VHT40 STBC, M8 to M15	2	7	-63.7	-61.7	0.39	-52.2	-41	10.94
HE40, M0 to M11 1ss	1	7	-63.9		0.32	-56.6	-41	15.33
HE40, M0 to M11 1ss	2	7	-63.9	-62.1	0.32	-52.6	-41	11.33
HE40, M0 to M11 2ss	2	7	-63.9	-62.1	0.32	-52.6	-41	11.33
HE40 Beam Forming, M0 to M11 1ss	2	10	-63.5	-61.3	0.32	-48.9	-41	7.68
HE40 Beam Forming, M0 to M11 2ss	2	7	-63.9	-62.1	0.32	-52.6	-41	11.33
HE40 STBC, M0 to M11 2ss	2	7	-63.9	-62.1	0.32	-52.6	-41	11.33

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	7	-64.6		0.31	-57.3	-41	16.04
Non HT80, 6 to 54 Mbps	2	7	-64.6	-65.1	0.31	-54.5	-41	13.28
VHT80, M0 to M11 1ss	1	7	-64.3		0.62	-56.7	-41	15.43
VHT80, M0 to M11 1ss	2	7	-64.3	-65.0	0.62	-54.0	-41	12.76
VHT80, M0 to M11 2ss	2	7	-64.3	-65.0	0.62	-54.0	-41	12.76
VHT80 Beam Forming, M0 to M11 1ss	2	10	-65.0	-65.2	0.62	-51.5	-41	10.22
VHT80 Beam Forming, M0 to M11 2ss	2	7	-64.3	-65.0	0.62	-54.0	-41	12.76
VHT80 STBC, M0 to M11 2ss	2	7	-64.3	-65.0	0.62	-54.0	-41	12.76
HE80, M0 to M11 1ss	1	7	-65.0		0.35	-57.6	-41	16.4
HE80, M0 to M11 1ss	2	7	-65.0	-65.1	0.35	-54.7	-41	13.44
HE80, M0 to M11 2ss	2	7	-65.0	-65.1	0.35	-54.7	-41	13.44
HE80 Beam Forming, M0 to M11 1ss	2	10	-64.8	-65.3	0.35	-51.7	-41	10.43
HE80 Beam Forming, M0 to M11 2ss	2	7	-65.0	-65.1	0.35	-54.7	-41	13.44
HE80 STBC, M0 to M11 2ss	2	7	-65.0	-65.1	0.35	-54.7	-41	13.44

Frequency 5700 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	7	-63.6		0.17	-56.4	-41	15.18
Non HT20, 6 to 54 Mbps	2	7	-63.6	-62.1	0.17	-52.6	-41	11.36
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-63.6	-62.1	0.17	-49.6	-41	8.36
HT/VHT20, M0 to M7	1	7	-63.6		0.66	-55.9	-41	14.69
HT/VHT20, M0 to M7	2	7	-63.7	-62.3	0.66	-52.3	-41	11.02
HT/VHT20, M8 to M15	2	7	-63.6	-61.6	0.66	-51.8	-41	10.57
HT/VHT20 Beam Forming, M0 to M7	2	10	-63.7	-62.3	0.66	-49.3	-41	8.02
HT/VHT20 Beam Forming, M8 to M15	2	7	-63.6	-61.6	0.66	-51.8	-41	10.57
HT/VHT20 STBC, M8 to M15	2	7	-63.6	-61.6	0.66	-51.8	-41	10.57
HE20, M0 to M11 1ss	1	7	-63.4		0.28	-56.1	-41	14.87
HE20, M0 to M11 1ss	2	7	-63.4	-62.0	0.28	-52.4	-41	11.11
HE20, M0 to M11 2ss	2	7	-63.4	-62.2	0.28	-52.5	-41	11.22
HE20 Beam Forming, M0 to M11 1ss	2	10	-63.4	-62.0	0.28	-49.4	-41	8.11
HE20 Beam Forming, M0 to M11 2ss	2	7	-63.4	-62.2	0.28	-52.5	-41	11.22
HE20 STBC, M0 to M11 2ss	2	7	-63.4	-62.2	0.28	-52.5	-41	11.22

Frequency 5710 MHz

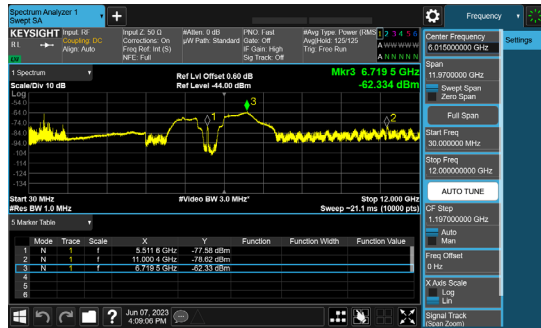
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	7	-63.5		0.23	-56.3	-41	15.02
Non HT40, 6 to 54 Mbps	2	7	-63.5	-61.5	0.23	-52.1	-41	10.9
HT/VHT40, M0 to M7	1	7	-63.6		0.39	-56.2	-41	14.96
HT/VHT40, M0 to M7	2	7	-63.2	-61.4	0.39	-51.8	-41	10.56
HT/VHT40, M8 to M15	2	7	-63.6	-61.6	0.39	-52.1	-41	10.84
HT/VHT40 Beam Forming, M0 to M7	2	10	-63.2	-61.4	0.39	-48.8	-41	7.56
HT/VHT40 Beam Forming, M8 to M15	2	7	-63.6	-61.6	0.39	-52.1	-41	10.84
HT/VHT40 STBC, M8 to M15	2	7	-63.6	-61.6	0.39	-52.1	-41	10.84
HE40, M0 to M11 1ss	1	7	-63.8		0.32	-56.5	-41	15.23
HE40, M0 to M11 1ss	2	7	-63.9	-61.7	0.32	-52.3	-41	11.08
HE40, M0 to M11 2ss	2	7	-63.8	-61.7	0.32	-52.3	-41	11.04
HE40 Beam Forming, M0 to M11 1ss	2	10	-63.5	-61.4	0.32	-49.0	-41	7.74
HE40 Beam Forming, M0 to M11 2ss	2	7	-63.8	-61.7	0.32	-52.3	-41	11.04
HE40 STBC, M0 to M11 2ss	2	7	-63.8	-61.7	0.32	-52.3	-41	11.04

Frequency 5720 MHz

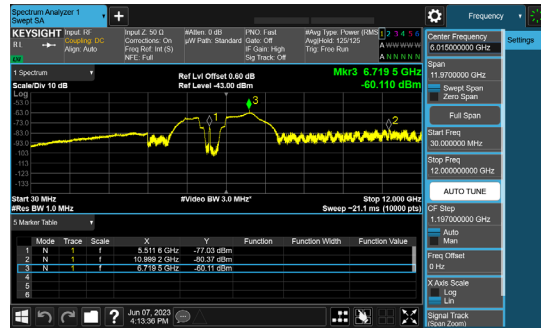
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	7	-63.2		0.17	-56.0	-41	14.78
Non HT20, 6 to 54 Mbps	2	7	-63.4	-61.7	0.17	-52.3	-41	11.04
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-63.4	-61.7	0.17	-49.3	-41	8.04
HT/VHT20, M0 to M7	1	7	-62.7		0.66	-55.0	-41	13.79
HT/VHT20, M0 to M7	2	7	-63.5	-62.0	0.66	-52.0	-41	10.77
HT/VHT20, M8 to M15	2	7	-63.4	-61.7	0.66	-51.8	-41	10.55
HT/VHT20 Beam Forming, M0 to M7	2	10	-63.5	-62.0	0.66	-49.0	-41	7.77
HT/VHT20 Beam Forming, M8 to M15	2	7	-63.4	-61.7	0.66	-51.8	-41	10.55
HT/VHT20 STBC, M8 to M15	2	7	-63.4	-61.7	0.66	-51.8	-41	10.55
HE20, M0 to M11 1ss	1	7	-62.9		0.28	-55.6	-41	14.37
HE20, M0 to M11 1ss	2	7	-63.0	-62.0	0.28	-52.2	-41	10.94
HE20, M0 to M11 2ss	2	7	-62.9	-61.8	0.28	-52.0	-41	10.78
HE20 Beam Forming, M0 to M11 1ss	2	10	-63.0	-62.0	0.28	-49.2	-41	7.94
HE20 Beam Forming, M0 to M11 2ss	2	7	-62.9	-61.8	0.28	-52.0	-41	10.78
HE20 STBC, M0 to M11 2ss	2	7	-62.9	-61.8	0.28	-52.0	-41	10.78

Data Screenshots – Antenna gain 7dBi Average

5510 MHz: HT/VHT40 Beam Forming, M0 to M7

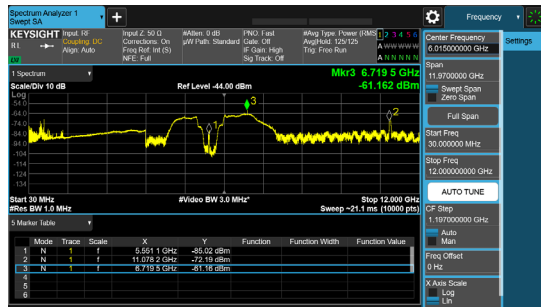


Antenna A

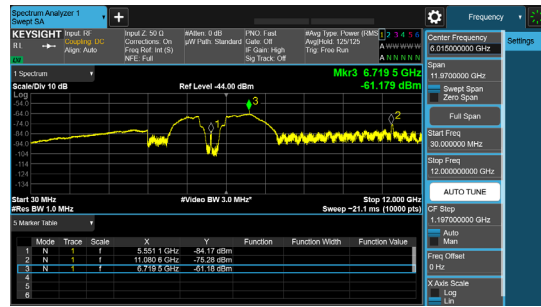


Antenna B

5550 MHz: HE40 Beam Forming, M0 to M11 1ss

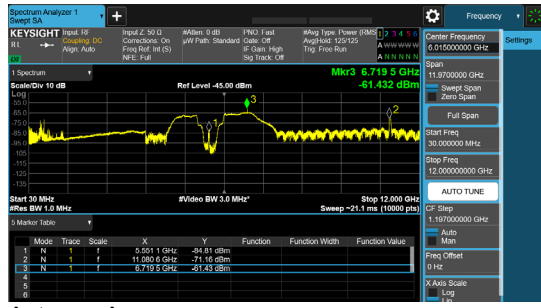


Antenna A

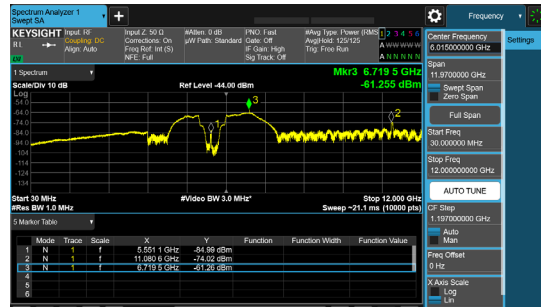


Antenna B

5550 MHz: HT/VHT40 Beam Forming, M0 to M7



Antenna A



Antenna B

Conducted Spurious Peak Table – 5G Antenna Gain 7dBi.

Frequency 5500 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	7	-54.9		0.17	-47.7	-27	20.73
Non HT20, 6 to 54 Mbps	2	7	-56.9	-55.8	0.17	-46.1	-27	19.14
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-56.9	-55.8	0.17	-43.1	-27	16.14
HT/VHT20, M0 to M7	1	7	-55.9		0.66	-48.2	-27	21.24
HT/VHT20, M0 to M7	2	7	-57.0	-56.4	0.66	-46.0	-27	19.02
HT/VHT20, M8 to M15	2	7	-55.9	-55.2	0.66	-44.9	-27	17.87
HT/VHT20 Beam Forming, M0 to M7	2	10	-57.0	-56.4	0.66	-43.0	-27	16.02
HT/VHT20 Beam Forming, M8 to M15	2	7	-55.9	-55.2	0.66	-44.9	-27	17.87
HT/VHT20 STBC, M8 to M15	2	7	-55.9	-55.2	0.66	-44.9	-27	17.87
HE20, M0 to M11 1ss	1	7	-55.2		0.28	-47.9	-27	20.92
HE20, M0 to M11 1ss	2	7	-56.6	-56.2	0.28	-46.1	-27	19.11
HE20, M0 to M11 2ss	2	7	-55.5	-55.3	0.28	-45.1	-27	18.11
HE20 Beam Forming, M0 to M11 1ss	2	10	-56.6	-56.2	0.28	-43.1	-27	16.11
HE20 Beam Forming, M0 to M11 2ss	2	7	-55.5	-55.3	0.28	-45.1	-27	18.11
HE20 STBC, M0 to M11 2ss	2	7	-55.5	-55.3	0.28	-45.1	-27	18.11

Frequency 5510 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	7	-57.2		0.23	-50.0	-27	22.97
Non HT40, 6 to 54 Mbps	2	7	-57.2	-56.7	0.23	-46.7	-27	19.7
HT/VHT40, M0 to M7	1	7	-55.6		0.39	-48.2	-27	21.21
HT/VHT40, M0 to M7	2	7	-55.6	-56.1	0.39	-45.4	-27	18.45
HT/VHT40, M8 to M15	2	7	-55.6	-56.1	0.39	-45.4	-27	18.45
HT/VHT40 Beam Forming, M0 to M7	2	10	-57.0	-56.2	0.39	-43.2	-27	16.18
HT/VHT40 Beam Forming, M8 to M15	2	7	-55.6	-56.1	0.39	-45.4	-27	18.45
HT/VHT40 STBC, M8 to M15	2	7	-55.6	-56.1	0.39	-45.4	-27	18.45
HE40, M0 to M11 1ss	1	7	-56.5		0.32	-49.2	-27	22.18
HE40, M0 to M11 1ss	2	7	-56.5	-55.6	0.32	-45.7	-27	18.7
HE40, M0 to M11 2ss	2	7	-56.5	-55.6	0.32	-45.7	-27	18.7
HE40 Beam Forming, M0 to M11 1ss	2	10	-56.6	-56.1	0.32	-43.0	-27	16.01
HE40 Beam Forming, M0 to M11 2ss	2	7	-56.5	-55.6	0.32	-45.7	-27	18.7
HE40 STBC, M0 to M11 2ss	2	7	-56.5	-55.6	0.32	-45.7	-27	18.7

Frequency 5530 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	7	-56.4		0.31	-49.1	-27	22.09
Non HT80, 6 to 54 Mbps	2	7	-55.9	-56.0	0.31	-45.6	-27	18.63
VHT80, M0 to M11 1ss	1	7	-57.3		0.62	-49.7	-27	22.68
VHT80, M0 to M11 1ss	2	7	-57.4	-55.8	0.62	-45.9	-27	18.9
VHT80, M0 to M11 2ss	2	7	-57.4	-55.8	0.62	-45.9	-27	18.9
VHT80 Beam Forming, M0 to M11 1ss	2	10	-56.6	-55.8	0.62	-42.6	-27	15.55
VHT80 Beam Forming, M0 to M11 2ss	2	7	-57.4	-55.8	0.62	-45.9	-27	18.9
VHT80 STBC, M0 to M11 2ss	2	7	-57.4	-55.8	0.62	-45.9	-27	18.9
HE80, M0 to M11 1ss	1	7	-57.9		0.35	-50.5	-27	23.55
HE80, M0 to M11 1ss	2	7	-57.9	-56.5	0.35	-46.8	-27	19.78
HE80, M0 to M11 2ss	2	7	-57.9	-56.5	0.35	-46.8	-27	19.78
HE80 Beam Forming, M0 to M11 1ss	2	10	-57.1	-56.1	0.35	-43.2	-27	16.21
HE80 Beam Forming, M0 to M11 2ss	2	7	-57.9	-56.5	0.35	-46.8	-27	19.78
HE80 STBC, M0 to M11 2ss	2	7	-57.9	-56.5	0.35	-46.8	-27	19.78

Frequency 5550 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	7	-55.0		0.23	-47.8	-27	20.77
Non HT40, 6 to 54 Mbps	2	7	-55.8	-55.8	0.23	-45.6	-27	18.56
HT/VHT40, M0 to M7	1	7	-55.9		0.39	-48.5	-27	21.51
HT/VHT40, M0 to M7	2	7	-56.0	-56.0	0.39	-45.6	-27	18.6
HT/VHT40, M8 to M15	2	7	-55.9	-56.4	0.39	-45.7	-27	18.75
HT/VHT40 Beam Forming, M0 to M7	2	10	-56.0	-56.0	0.39	-42.6	-27	15.6
HT/VHT40 Beam Forming, M8 to M15	2	7	-55.9	-56.4	0.39	-45.7	-27	18.75
HT/VHT40 STBC, M8 to M15	2	7	-55.9	-56.4	0.39	-45.7	-27	18.75
HE40, M0 to M11 1ss	1	7	-54.1		0.32	-46.8	-27	19.78
HE40, M0 to M11 1ss	2	7	-56.6	-56.2	0.32	-46.1	-27	19.06
HE40, M0 to M11 2ss	2	7	-54.1	-55.6	0.32	-44.5	-27	17.45
HE40 Beam Forming, M0 to M11 1ss	2	10	-56.6	-56.2	0.32	-43.1	-27	16.06
HE40 Beam Forming, M0 to M11 2ss	2	7	-54.1	-55.6	0.32	-44.5	-27	17.45
HE40 STBC, M0 to M11 2ss	2	7	-54.1	-55.6	0.32	-44.5	-27	17.45

Frequency 5560 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	7	-55.2		0.17	-48.0	-27	21.03
Non HT20, 6 to 54 Mbps	2	7	-57.8	-57.1	0.17	-47.3	-27	20.26
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-57.8	-57.1	0.17	-44.3	-27	17.26
HT/VHT20, M0 to M7	1	7	-55.3		0.66	-47.6	-27	20.64
HT/VHT20, M0 to M7	2	7	-57.8	-56.9	0.66	-46.7	-27	19.66
HT/VHT20, M8 to M15	2	7	-56.5	-56.3	0.66	-45.7	-27	18.73
HT/VHT20 Beam Forming, M0 to M7	2	10	-57.8	-56.9	0.66	-43.7	-27	16.66
HT/VHT20 Beam Forming, M8 to M15	2	7	-56.5	-56.3	0.66	-45.7	-27	18.73
HT/VHT20 STBC, M8 to M15	2	7	-56.5	-56.3	0.66	-45.7	-27	18.73
HE20, M0 to M11 1ss	1	7	-53.4		0.28	-46.1	-27	19.12
HE20, M0 to M11 1ss	2	7	-57.5	-56.4	0.28	-46.6	-27	19.63
HE20, M0 to M11 2ss	2	7	-55.6	-56.2	0.28	-45.6	-27	18.6
HE20 Beam Forming, M0 to M11 1ss	2	10	-57.5	-56.4	0.28	-43.6	-27	16.63
HE20 Beam Forming, M0 to M11 2ss	2	7	-55.6	-56.2	0.28	-45.6	-27	18.6
HE20 STBC, M0 to M11 2ss	2	7	-55.6	-56.2	0.28	-45.6	-27	18.6

Frequency 5610 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	7	-57.1		0.31	-49.8	-27	22.79
Non HT80, 6 to 54 Mbps	2	7	-57.1	-56.2	0.31	-46.3	-27	19.31
VHT80, M0 to M11 1ss	1	7	-56.8		0.62	-49.2	-27	22.18
VHT80, M0 to M11 1ss	2	7	-56.8	-55.6	0.62	-45.5	-27	18.53
VHT80, M0 to M11 2ss	2	7	-56.8	-55.6	0.62	-45.5	-27	18.53
VHT80 Beam Forming, M0 to M11 1ss	2	10	-57.4	-54.8	0.62	-42.3	-27	15.28
VHT80 Beam Forming, M0 to M11 2ss	2	7	-56.8	-55.6	0.62	-45.5	-27	18.53
VHT80 STBC, M0 to M11 2ss	2	7	-56.8	-55.6	0.62	-45.5	-27	18.53
HE80, M0 to M11 1ss	1	7	-57.5		0.35	-50.1	-27	23.15
HE80, M0 to M11 1ss	2	7	-57.5	-55.2	0.35	-45.8	-27	18.84
HE80, M0 to M11 2ss	2	7	-57.5	-55.2	0.35	-45.8	-27	18.84
HE80 Beam Forming, M0 to M11 1ss	2	10	-57.8	-56.4	0.35	-43.7	-27	16.68
HE80 Beam Forming, M0 to M11 2ss	2	7	-57.5	-55.2	0.35	-45.8	-27	18.84
HE80 STBC, M0 to M11 2ss	2	7	-57.5	-55.2	0.35	-45.8	-27	18.84

Frequency 5670 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	7	-58.1		0.23	-50.9	-27	23.87
Non HT40, 6 to 54 Mbps	2	7	-57.5	-56.5	0.23	-46.7	-27	19.73
HT/VHT40, M0 to M7	1	7	-57.0		0.39	-49.6	-27	22.61
HT/VHT40, M0 to M7	2	7	-57.0	-55.7	0.39	-45.9	-27	18.9
HT/VHT40, M8 to M15	2	7	-57.0	-55.7	0.39	-45.9	-27	18.9
HT/VHT40 Beam Forming, M0 to M7	2	10	-58.0	-57.0	0.39	-44.1	-27	17.07
HT/VHT40 Beam Forming, M8 to M15	2	7	-57.0	-55.7	0.39	-45.9	-27	18.9
HT/VHT40 STBC, M8 to M15	2	7	-57.0	-55.7	0.39	-45.9	-27	18.9
HE40, M0 to M11 1ss	1	7	-57.3		0.32	-50.0	-27	22.98
HE40, M0 to M11 1ss	2	7	-57.3	-56.2	0.32	-46.4	-27	19.38
HE40, M0 to M11 2ss	2	7	-57.3	-56.2	0.32	-46.4	-27	19.38
HE40 Beam Forming, M0 to M11 1ss	2	10	-57.5	-56.1	0.32	-43.4	-27	16.41
HE40 Beam Forming, M0 to M11 2ss	2	7	-57.3	-56.2	0.32	-46.4	-27	19.38
HE40 STBC, M0 to M11 2ss	2	7	-57.3	-56.2	0.32	-46.4	-27	19.38

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	7	-56.7		0.31	-49.4	-27	22.39
Non HT80, 6 to 54 Mbps	2	7	-56.7	-56.1	0.31	-46.1	-27	19.07
VHT80, M0 to M11 1ss	1	7	-56.5		0.62	-48.9	-27	21.88
VHT80, M0 to M11 1ss	2	7	-56.5	-56.3	0.62	-45.8	-27	18.77
VHT80, M0 to M11 2ss	2	7	-56.5	-56.3	0.62	-45.8	-27	18.77
VHT80 Beam Forming, M0 to M11 1ss	2	10	-57.2	-56.4	0.62	-43.2	-27	16.15
VHT80 Beam Forming, M0 to M11 2ss	2	7	-56.5	-56.3	0.62	-45.8	-27	18.77
VHT80 STBC, M0 to M11 2ss	2	7	-56.5	-56.3	0.62	-45.8	-27	18.77
HE80, M0 to M11 1ss	1	7	-57.6		0.35	-50.2	-27	23.25
HE80, M0 to M11 1ss	2	7	-57.6	-56.8	0.35	-46.8	-27	19.82
HE80, M0 to M11 2ss	2	7	-57.6	-56.8	0.35	-46.8	-27	19.82
HE80 Beam Forming, M0 to M11 1ss	2	10	-57.0	-57.1	0.35	-43.7	-27	16.69
HE80 Beam Forming, M0 to M11 2ss	2	7	-57.6	-56.8	0.35	-46.8	-27	19.82
HE80 STBC, M0 to M11 2ss	2	7	-57.6	-56.8	0.35	-46.8	-27	19.82

Frequency 5700 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	7	-54.7		0.17	-47.5	-27	20.53
Non HT20, 6 to 54 Mbps	2	7	-56.8	-55.2	0.17	-45.7	-27	18.75
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-56.8	-55.2	0.17	-42.7	-27	15.75
HT/VHT20, M0 to M7	1	7	-54.4		0.66	-46.7	-27	19.74
HT/VHT20, M0 to M7	2	7	-57.6	-55.4	0.66	-45.7	-27	18.69
HT/VHT20, M8 to M15	2	7	-54.4	-55.6	0.66	-44.3	-27	17.29
HT/VHT20 Beam Forming, M0 to M7	2	10	-57.6	-55.4	0.66	-42.7	-27	15.69
HT/VHT20 Beam Forming, M8 to M15	2	7	-54.4	-55.6	0.66	-44.3	-27	17.29
HT/VHT20 STBC, M8 to M15	2	7	-54.4	-55.6	0.66	-44.3	-27	17.29
HE20, M0 to M11 1ss	1	7	-56.0		0.28	-48.7	-27	21.72
HE20, M0 to M11 1ss	2	7	-57.7	-56.4	0.28	-46.7	-27	19.72
HE20, M0 to M11 2ss	2	7	-56.9	-56.5	0.28	-46.4	-27	19.41
HE20 Beam Forming, M0 to M11 1ss	2	10	-57.7	-56.4	0.28	-43.7	-27	16.72
HE20 Beam Forming, M0 to M11 2ss	2	7	-56.9	-56.5	0.28	-46.4	-27	19.41
HE20 STBC, M0 to M11 2ss	2	7	-56.9	-56.5	0.28	-46.4	-27	19.41

Frequency 5710 MHz

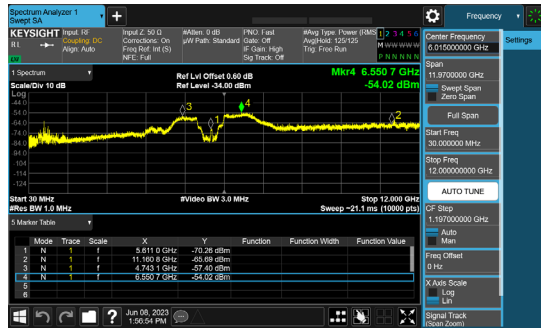
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	7	-54.6		0.23	-47.4	-27	20.37
Non HT40, 6 to 54 Mbps	2	7	-54.6	-56.1	0.23	-45.0	-27	18.05
HT/VHT40, M0 to M7	1	7	-53.5		0.39	-46.1	-27	19.11
HT/VHT40, M0 to M7	2	7	-56.9	-56.7	0.39	-46.4	-27	19.4
HT/VHT40, M8 to M15	2	7	-53.5	-56.2	0.39	-44.2	-27	17.25
HT/VHT40 Beam Forming, M0 to M7	2	10	-56.9	-56.7	0.39	-43.4	-27	16.4
HT/VHT40 Beam Forming, M8 to M15	2	7	-53.5	-56.2	0.39	-44.2	-27	17.25
HT/VHT40 STBC, M8 to M15	2	7	-53.5	-56.2	0.39	-44.2	-27	17.25
HE40, M0 to M11 1ss	1	7	-57.1		0.32	-49.8	-27	22.78
HE40, M0 to M11 1ss	2	7	-56.5	-56.7	0.32	-46.3	-27	19.27
HE40, M0 to M11 2ss	2	7	-57.1	-55.8	0.32	-46.1	-27	19.07
HE40 Beam Forming, M0 to M11 1ss	2	10	-56.0	-56.9	0.32	-43.1	-27	16.1
HE40 Beam Forming, M0 to M11 2ss	2	7	-57.1	-55.8	0.32	-46.1	-27	19.07
HE40 STBC, M0 to M11 2ss	2	7	-57.1	-55.8	0.32	-46.1	-27	19.07

Frequency 5720 MHz

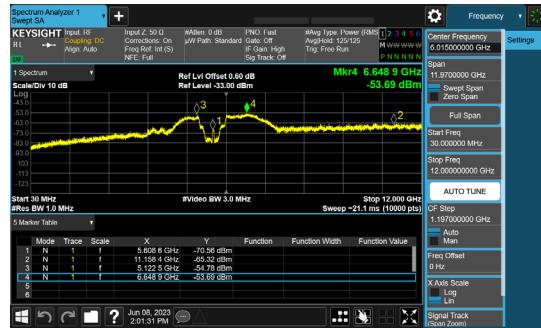
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	7	-53.9		0.17	-46.7	-27	19.73
Non HT20, 6 to 54 Mbps	2	7	-56.7	-56.2	0.17	-46.3	-27	19.27
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-56.7	-56.2	0.17	-43.3	-27	16.27
HT/VHT20, M0 to M7	1	7	-54.2		0.66	-46.5	-27	19.54
HT/VHT20, M0 to M7	2	7	-56.5	-55.6	0.66	-45.4	-27	18.36
HT/VHT20, M8 to M15	2	7	-54.2	-55.4	0.66	-44.1	-27	17.09
HT/VHT20 Beam Forming, M0 to M7	2	10	-56.5	-55.6	0.66	-42.4	-27	15.36
HT/VHT20 Beam Forming, M8 to M15	2	7	-54.2	-55.4	0.66	-44.1	-27	17.09
HT/VHT20 STBC, M8 to M15	2	7	-54.2	-55.4	0.66	-44.1	-27	17.09
HE20, M0 to M11 1ss	1	7	-55.3		0.28	-48.0	-27	21.02
HE20, M0 to M11 1ss	2	7	-56.5	-56.2	0.28	-46.1	-27	19.06
HE20, M0 to M11 2ss	2	7	-54.6	-56.3	0.28	-45.1	-27	18.08
HE20 Beam Forming, M0 to M11 1ss	2	10	-56.5	-56.2	0.28	-43.1	-27	16.06
HE20 Beam Forming, M0 to M11 2ss	2	7	-54.6	-56.3	0.28	-45.1	-27	18.08
HE20 STBC, M0 to M11 2ss	2	7	-54.6	-56.3	0.28	-45.1	-27	18.08

Data Screenshots – Antenna gain 7dBi Peak

5610 MHz: VHT80 Beam Forming, M0 to M11 1ss.

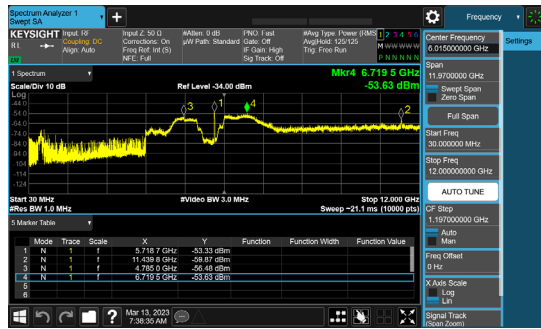


Antenna A

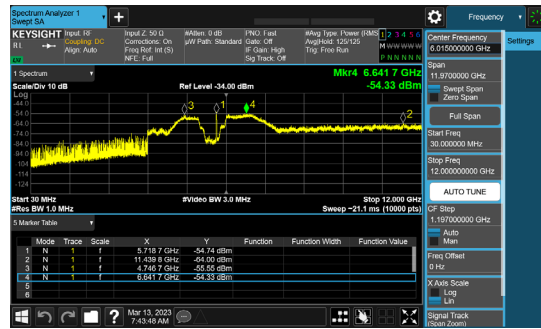


Antenna B

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

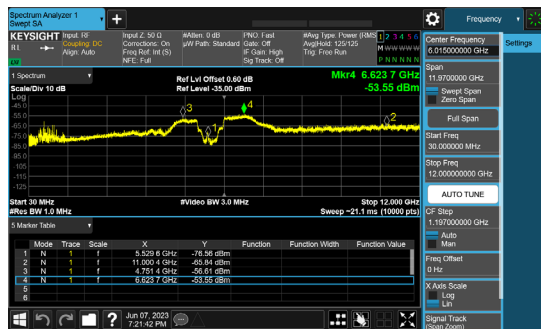


Antenna A

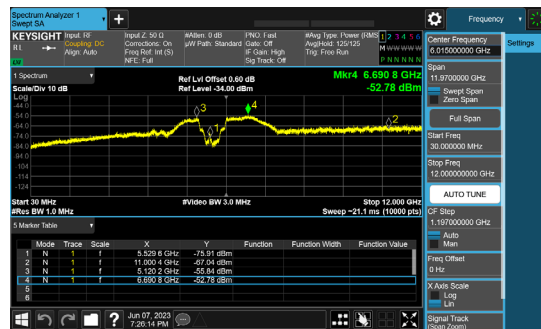


Antenna B

5530 MHz: VHT80 Beam Forming, M0 to M11 1ss



Antenna A



Antenna B

Conducted Spurious Average Table – 5G Antenna Gain 8dBi.**Frequency 5500 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		0.17	-54.7	-41	13.48
Non HT20, 6 to 54 Mbps	2	8	-63.1	-60.9	0.17	-50.7	-41	9.44
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-63.1	-60.9	0.17	-47.7	-41	6.44
HT/VHT20, M0 to M7	1	8	-63.3		0.66	-54.6	-41	13.39
HT/VHT20, M0 to M7	2	8	-64.0	-61.2	0.66	-50.7	-41	9.46
HT/VHT20, M8 to M15	2	8	-63.8	-61.7	0.66	-51.0	-41	9.7
HT/VHT20 Beam Forming, M0 to M7	2	11	-64.0	-61.2	0.66	-47.7	-41	6.46
HT/VHT20 Beam Forming, M8 to M15	2	8	-63.8	-61.7	0.66	-51.0	-41	9.7
HT/VHT20 STBC, M8 to M15	2	8	-63.8	-61.7	0.66	-51.0	-41	9.7
HE20, M0 to M11 1ss	1	8	-62.9		0.28	-54.6	-41	13.37
HE20, M0 to M11 1ss	2	8	-63.7	-61.4	0.28	-51.1	-41	9.86
HE20, M0 to M11 2ss	2	8	-63.5	-60.9	0.28	-50.7	-41	9.47
HE20 Beam Forming, M0 to M11 1ss	2	11	-63.7	-61.4	0.28	-48.1	-41	6.86
HE20 Beam Forming, M0 to M11 2ss	2	8	-63.5	-60.9	0.28	-50.7	-41	9.47
HE20 STBC, M0 to M11 2ss	2	8	-63.5	-60.9	0.28	-50.7	-41	9.47

Frequency 5510 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	-61.4		0.23	-53.2	-41	11.92
Non HT40, 6 to 54 Mbps	2	8	-61.4	-59.9	0.23	-49.3	-41	8.1
HT/VHT40, M0 to M7	1	8	-62.4		0.39	-54.0	-41	12.76
HT/VHT40, M0 to M7	2	8	-62.4	-60.7	0.39	-50.1	-41	8.82
HT/VHT40, M8 to M15	2	8	-62.4	-60.7	0.39	-50.1	-41	8.82
HT/VHT40 Beam Forming, M0 to M7	2	11	-62.3	-60.1	0.39	-46.7	-41	5.42
HT/VHT40 Beam Forming, M8 to M15	2	8	-62.4	-60.7	0.39	-50.1	-41	8.82
HT/VHT40 STBC, M8 to M15	2	8	-62.4	-60.7	0.39	-50.1	-41	8.82
HE40, M0 to M11 1ss	1	8	-62.2		0.32	-53.9	-41	12.63
HE40, M0 to M11 1ss	2	8	-62.1	-60.8	0.32	-50.1	-41	8.82
HE40, M0 to M11 2ss	2	8	-62.1	-60.8	0.32	-50.1	-41	8.82
HE40 Beam Forming, M0 to M11 1ss	2	11	-62.1	-60.7	0.32	-47.0	-41	5.76
HE40 Beam Forming, M0 to M11 2ss	2	8	-62.1	-60.8	0.32	-50.1	-41	8.82
HE40 STBC, M0 to M11 2ss	2	8	-62.1	-60.8	0.32	-50.1	-41	8.82

Frequency 5530 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	-64.0		0.31	-55.7	-41	14.44
Non HT80, 6 to 54 Mbps	2	8	-63.7	-64.0	0.31	-52.5	-41	11.28
VHT80, M0 to M11 1ss	1	8	-64.5		0.62	-55.9	-41	14.63
VHT80, M0 to M11 1ss	2	8	-64.6	-64.5	0.62	-52.9	-41	11.67
VHT80, M0 to M11 2ss	2	8	-64.6	-64.5	0.62	-52.9	-41	11.67
VHT80 Beam Forming, M0 to M11 1ss	2	11	-64.6	-64.7	0.62	-50.0	-41	8.77
VHT80 Beam Forming, M0 to M11 2ss	2	8	-64.6	-64.5	0.62	-52.9	-41	11.67
VHT80 STBC, M0 to M11 2ss	2	8	-64.6	-64.5	0.62	-52.9	-41	11.67
HE80, M0 to M11 1ss	1	8	-64.5		0.35	-56.1	-41	14.9
HE80, M0 to M11 1ss	2	8	-64.4	-65.0	0.35	-53.3	-41	12.08
HE80, M0 to M11 2ss	2	8	-64.4	-65.0	0.35	-53.3	-41	12.08
HE80 Beam Forming, M0 to M11 1ss	2	11	-64.1	-64.9	0.35	-50.1	-41	8.87
HE80 Beam Forming, M0 to M11 2ss	2	8	-64.4	-65.0	0.35	-53.3	-41	12.08
HE80 STBC, M0 to M11 2ss	2	8	-64.4	-65.0	0.35	-53.3	-41	12.08

Frequency 5550 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	-61.4		0.23	-53.2	-41	11.92
Non HT40, 6 to 54 Mbps	2	8	-60.9	-61.0	0.23	-49.7	-41	8.46
HT/VHT40, M0 to M7	1	8	-61.9		0.39	-53.5	-41	12.26
HT/VHT40, M0 to M7	2	8	-62.6	-61.1	0.39	-50.4	-41	9.14
HT/VHT40, M8 to M15	2	8	-61.9	-61.5	0.39	-50.3	-41	9.05
HT/VHT40 Beam Forming, M0 to M7	2	11	-62.6	-61.1	0.39	-47.4	-41	6.14
HT/VHT40 Beam Forming, M8 to M15	2	8	-61.9	-61.5	0.39	-50.3	-41	9.05
HT/VHT40 STBC, M8 to M15	2	8	-61.9	-61.5	0.39	-50.3	-41	9.05
HE40, M0 to M11 1ss	1	8	-61.6		0.32	-53.3	-41	12.03
HE40, M0 to M11 1ss	2	8	-62.0	-60.9	0.32	-50.1	-41	8.83
HE40, M0 to M11 2ss	2	8	-61.6	-61.0	0.32	-50.0	-41	8.71
HE40 Beam Forming, M0 to M11 1ss	2	11	-62.0	-60.9	0.32	-47.1	-41	5.83
HE40 Beam Forming, M0 to M11 2ss	2	8	-61.6	-61.0	0.32	-50.0	-41	8.71
HE40 STBC, M0 to M11 2ss	2	8	-61.6	-61.0	0.32	-50.0	-41	8.71

Frequency 5560 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		0.17	-54.7	-41	13.48
Non HT20, 6 to 54 Mbps	2	8	-63.4	-61.5	0.17	-51.2	-41	9.92
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-63.4	-61.5	0.17	-48.2	-41	6.92
HT/VHT20, M0 to M7	1	8	-63.4		0.66	-54.7	-41	13.49
HT/VHT20, M0 to M7	2	8	-63.1	-61.4	0.66	-50.5	-41	9.25
HT/VHT20, M8 to M15	2	8	-63.2	-61.8	0.66	-50.8	-41	9.52
HT/VHT20 Beam Forming, M0 to M7	2	11	-63.1	-61.4	0.66	-47.5	-41	6.25
HT/VHT20 Beam Forming, M8 to M15	2	8	-63.2	-61.8	0.66	-50.8	-41	9.52
HT/VHT20 STBC, M8 to M15	2	8	-63.2	-61.8	0.66	-50.8	-41	9.52
HE20, M0 to M11 1ss	1	8	-62.4		0.28	-54.1	-41	12.87
HE20, M0 to M11 1ss	2	8	-62.5	-61.3	0.28	-50.6	-41	9.32
HE20, M0 to M11 2ss	2	8	-62.5	-61.5	0.28	-50.7	-41	9.44
HE20 Beam Forming, M0 to M11 1ss	2	11	-62.5	-61.3	0.28	-47.6	-41	6.32
HE20 Beam Forming, M0 to M11 2ss	2	8	-62.5	-61.5	0.28	-50.7	-41	9.44
HE20 STBC, M0 to M11 2ss	2	8	-62.5	-61.5	0.28	-50.7	-41	9.44

Frequency 5610 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	-62.6		0.31	-54.3	-41	13.04
Non HT80, 6 to 54 Mbps	2	8	-64.3	-64.8	0.31	-53.2	-41	11.98
VHT80, M0 to M11 1ss	1	8	-64.7		0.62	-56.1	-41	14.83
VHT80, M0 to M11 1ss	2	8	-64.7	-64.7	0.62	-53.1	-41	11.82
VHT80, M0 to M11 2ss	2	8	-64.7	-64.7	0.62	-53.1	-41	11.82
VHT80 Beam Forming, M0 to M11 1ss	2	11	-64.5	-64.4	0.62	-49.8	-41	8.57
VHT80 Beam Forming, M0 to M11 2ss	2	8	-64.7	-64.7	0.62	-53.1	-41	11.82
VHT80 STBC, M0 to M11 2ss	2	8	-64.7	-64.7	0.62	-53.1	-41	11.82
HE80, M0 to M11 1ss	1	8	-64.5		0.35	-56.1	-41	14.9
HE80, M0 to M11 1ss	2	8	-64.5	-64.9	0.35	-53.3	-41	12.08
HE80, M0 to M11 2ss	2	8	-64.5	-64.9	0.35	-53.3	-41	12.08
HE80 Beam Forming, M0 to M11 1ss	2	11	-64.3	-64.7	0.35	-50.1	-41	8.88
HE80 Beam Forming, M0 to M11 2ss	2	8	-64.5	-64.9	0.35	-53.3	-41	12.08
HE80 STBC, M0 to M11 2ss	2	8	-64.5	-64.9	0.35	-53.3	-41	12.08

Frequency 5670 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	-63.3		0.23	-55.1	-41	13.82
Non HT40, 6 to 54 Mbps	2	8	-63.3	-62.0	0.23	-51.4	-41	10.11
HT/VHT40, M0 to M7	1	8	-63.7		0.39	-55.3	-41	14.06
HT/VHT40, M0 to M7	2	8	-63.5	-61.8	0.39	-51.2	-41	9.92
HT/VHT40, M8 to M15	2	8	-63.7	-61.7	0.39	-51.2	-41	9.94
HT/VHT40 Beam Forming, M0 to M7	2	11	-63.5	-61.8	0.39	-48.2	-41	6.92
HT/VHT40 Beam Forming, M8 to M15	2	8	-63.7	-61.7	0.39	-51.2	-41	9.94
HT/VHT40 STBC, M8 to M15	2	8	-63.7	-61.7	0.39	-51.2	-41	9.94
HE40, M0 to M11 1ss	1	8	-63.9		0.32	-55.6	-41	14.33
HE40, M0 to M11 1ss	2	8	-63.5	-61.3	0.32	-50.9	-41	9.68
HE40, M0 to M11 2ss	2	8	-63.5	-61.3	0.32	-50.9	-41	9.68
HE40 Beam Forming, M0 to M11 1ss	2	11	-63.5	-61.3	0.32	-47.9	-41	6.68
HE40 Beam Forming, M0 to M11 2ss	2	8	-63.5	-61.3	0.32	-50.9	-41	9.68
HE40 STBC, M0 to M11 2ss	2	8	-63.5	-61.3	0.32	-50.9	-41	9.68

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	-64.6		0.31	-56.3	-41	15.04
Non HT80, 6 to 54 Mbps	2	8	-64.6	-65.1	0.31	-53.5	-41	12.28
VHT80, M0 to M11 1ss	1	8	-64.3		0.62	-55.7	-41	14.43
VHT80, M0 to M11 1ss	2	8	-64.3	-65.0	0.62	-53.0	-41	11.76
VHT80, M0 to M11 2ss	2	8	-64.3	-65.0	0.62	-53.0	-41	11.76
VHT80 Beam Forming, M0 to M11 1ss	2	11	-65.0	-65.2	0.62	-50.5	-41	9.22
VHT80 Beam Forming, M0 to M11 2ss	2	8	-64.3	-65.0	0.62	-53.0	-41	11.76
VHT80 STBC, M0 to M11 2ss	2	8	-64.3	-65.0	0.62	-53.0	-41	11.76
HE80, M0 to M11 1ss	1	8	-65.0		0.35	-56.6	-41	15.4
HE80, M0 to M11 1ss	2	8	-65.0	-65.1	0.35	-53.7	-41	12.44
HE80, M0 to M11 2ss	2	8	-65.0	-65.1	0.35	-53.7	-41	12.44
HE80 Beam Forming, M0 to M11 1ss	2	11	-65.0	-65.4	0.35	-50.8	-41	9.58
HE80 Beam Forming, M0 to M11 2ss	2	8	-65.0	-65.1	0.35	-53.7	-41	12.44
HE80 STBC, M0 to M11 2ss	2	8	-65.0	-65.1	0.35	-53.7	-41	12.44

Frequency 5700 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	-63.6		0.17	-55.4	-41	14.18
Non HT20, 6 to 54 Mbps	2	8	-63.6	-62.1	0.17	-51.6	-41	10.36
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-63.6	-62.1	0.17	-48.6	-41	7.36
HT/VHT20, M0 to M7	1	8	-63.6		0.66	-54.9	-41	13.69
HT/VHT20, M0 to M7	2	8	-63.7	-62.3	0.66	-51.3	-41	10.02
HT/VHT20, M8 to M15	2	8	-63.6	-61.9	0.66	-51.0	-41	9.75
HT/VHT20 Beam Forming, M0 to M7	2	11	-63.7	-62.3	0.66	-48.3	-41	7.02
HT/VHT20 Beam Forming, M8 to M15	2	8	-63.6	-61.9	0.66	-51.0	-41	9.75
HT/VHT20 STBC, M8 to M15	2	8	-63.6	-61.9	0.66	-51.0	-41	9.75
HE20, M0 to M11 1ss	1	8	-63.4		0.28	-55.1	-41	13.87
HE20, M0 to M11 1ss	2	8	-63.4	-62.0	0.28	-51.4	-41	10.11
HE20, M0 to M11 2ss	2	8	-63.4	-62.2	0.28	-51.5	-41	10.22
HE20 Beam Forming, M0 to M11 1ss	2	11	-63.4	-62.0	0.28	-48.4	-41	7.11
HE20 Beam Forming, M0 to M11 2ss	2	8	-63.4	-62.2	0.28	-51.5	-41	10.22
HE20 STBC, M0 to M11 2ss	2	8	-63.4	-62.2	0.28	-51.5	-41	10.22

Frequency 5710 MHz

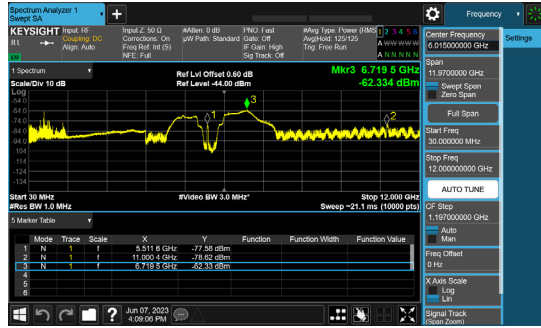
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	8	-63.5		0.23	-55.3	-41	14.02
Non HT40, 6 to 54 Mbps	2	8	-63.5	-62.1	0.23	-51.5	-41	10.25
HT/VHT40, M0 to M7	1	8	-63.6		0.39	-55.2	-41	13.96
HT/VHT40, M0 to M7	2	8	-63.4	-61.2	0.39	-50.8	-41	9.52
HT/VHT40, M8 to M15	2	8	-63.6	-61.6	0.39	-51.1	-41	9.84
HT/VHT40 Beam Forming, M0 to M7	2	11	-63.4	-61.2	0.39	-47.8	-41	6.52
HT/VHT40 Beam Forming, M8 to M15	2	8	-63.6	-61.6	0.39	-51.1	-41	9.84
HT/VHT40 STBC, M8 to M15	2	8	-63.6	-61.6	0.39	-51.1	-41	9.84
HE40, M0 to M11 1ss	1	8	-63.8		0.32	-55.5	-41	14.23
HE40, M0 to M11 1ss	2	8	-63.5	-61.4	0.32	-51.0	-41	9.74
HE40, M0 to M11 2ss	2	8	-63.8	-61.7	0.32	-51.3	-41	10.04
HE40 Beam Forming, M0 to M11 1ss	2	11	-63.5	-61.4	0.32	-48.0	-41	6.74
HE40 Beam Forming, M0 to M11 2ss	2	8	-63.8	-61.7	0.32	-51.3	-41	10.04
HE40 STBC, M0 to M11 2ss	2	8	-63.8	-61.7	0.32	-51.3	-41	10.04

Frequency 5720 MHz

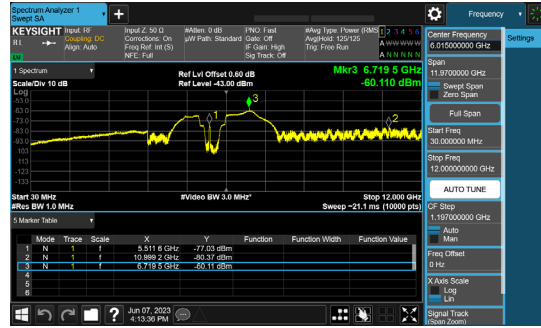
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-63.2		0.17	-55.0	-41	13.78
Non HT20, 6 to 54 Mbps	2	8	-63.4	-61.7	0.17	-51.3	-41	10.04
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-63.4	-61.7	0.17	-48.3	-41	7.04
HT/VHT20, M0 to M7	1	8	-62.7		0.66	-54.0	-41	12.79
HT/VHT20, M0 to M7	2	8	-63.5	-62.0	0.66	-51.0	-41	9.77
HT/VHT20, M8 to M15	2	8	-62.8	-61.8	0.66	-50.6	-41	9.35
HT/VHT20 Beam Forming, M0 to M7	2	11	-63.5	-62.0	0.66	-48.0	-41	6.77
HT/VHT20 Beam Forming, M8 to M15	2	8	-62.8	-61.8	0.66	-50.6	-41	9.35
HT/VHT20 STBC, M8 to M15	2	8	-62.8	-61.8	0.66	-50.6	-41	9.35
HE20, M0 to M11 1ss	1	8	-62.9		0.28	-54.6	-41	13.37
HE20, M0 to M11 1ss	2	8	-63.0	-62.0	0.28	-51.2	-41	9.94
HE20, M0 to M11 2ss	2	8	-63.1	-62.3	0.28	-51.4	-41	10.15
HE20 Beam Forming, M0 to M11 1ss	2	11	-63.0	-62.0	0.28	-48.2	-41	6.94
HE20 Beam Forming, M0 to M11 2ss	2	8	-63.1	-62.3	0.28	-51.4	-41	10.15
HE20 STBC, M0 to M11 2ss	2	8	-63.1	-62.3	0.28	-51.4	-41	10.15

Data Screenshots – Antenna gain 8dBi Average

5510 MHz: HT/VHT40 Beam Forming, M0 to M7

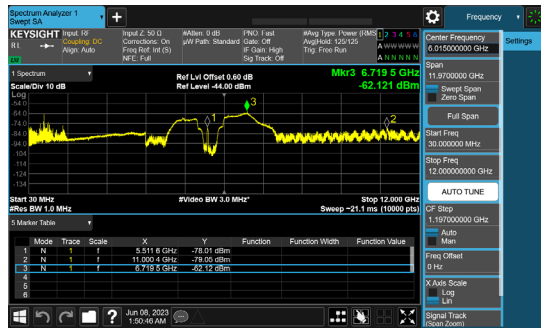


Antenna A

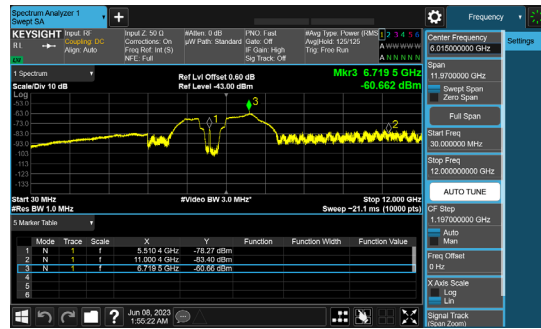


Antenna B

5510 MHz: HE40 Beam Forming, M0 to M11 1ss

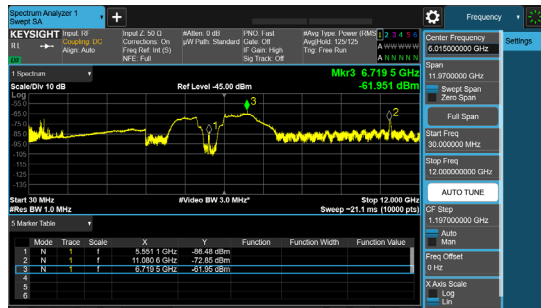


Antenna A

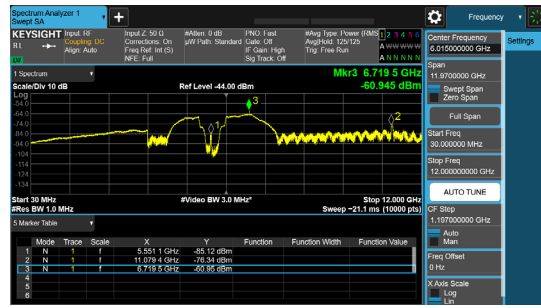


Antenna B

5550 MHz: HE40 Beam Forming, M0 to M11 1ss



Antenna A



Antenna B

Conducted Spurious Peak Table – 5G Antenna Gain 8

Frequency 5500 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	-54.9		0.17	-46.7	-27	19.73
Non HT20, 6 to 54 Mbps	2	8	-56.2	-54.9	0.17	-44.3	-27	17.32
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-56.2	-54.9	0.17	-41.3	-27	14.32
HT/VHT20, M0 to M7	1	8	-55.9		0.66	-47.2	-27	20.24
HT/VHT20, M0 to M7	2	8	-56.4	-55.8	0.66	-44.4	-27	17.42
HT/VHT20, M8 to M15	2	8	-54.6	-56.0	0.66	-43.6	-27	16.57
HT/VHT20 Beam Forming, M0 to M7	2	11	-56.4	-55.8	0.66	-41.4	-27	14.42
HT/VHT20 Beam Forming, M8 to M15	2	8	-54.6	-56.0	0.66	-43.6	-27	16.57
HT/VHT20 STBC, M8 to M15	2	8	-54.6	-56.0	0.66	-43.6	-27	16.57
HE20, M0 to M11 1ss	1	8	-55.2		0.28	-46.9	-27	19.92
HE20, M0 to M11 1ss	2	8	-56.4	-55.5	0.28	-44.6	-27	17.64
HE20, M0 to M11 2ss	2	8	-55.9	-55.8	0.28	-44.6	-27	17.56
HE20 Beam Forming, M0 to M11 1ss	2	11	-56.4	-55.5	0.28	-41.6	-27	14.64
HE20 Beam Forming, M0 to M11 2ss	2	8	-55.9	-55.8	0.28	-44.6	-27	17.56
HE20 STBC, M0 to M11 2ss	2	8	-55.9	-55.8	0.28	-44.6	-27	17.56

Frequency 5510 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	-57.2		0.23	-49.0	-27	21.97
Non HT40, 6 to 54 Mbps	2	8	-57.2	-56.7	0.23	-45.7	-27	18.7
HT/VHT40, M0 to M7	1	8	-55.6		0.39	-47.2	-27	20.21
HT/VHT40, M0 to M7	2	8	-55.6	-56.1	0.39	-44.4	-27	17.45
HT/VHT40, M8 to M15	2	8	-55.6	-56.1	0.39	-44.4	-27	17.45
HT/VHT40 Beam Forming, M0 to M7	2	11	-57.0	-56.2	0.39	-42.2	-27	15.18
HT/VHT40 Beam Forming, M8 to M15	2	8	-55.6	-56.1	0.39	-44.4	-27	17.45
HT/VHT40 STBC, M8 to M15	2	8	-55.6	-56.1	0.39	-44.4	-27	17.45
HE40, M0 to M11 1ss	1	8	-56.5		0.32	-48.2	-27	21.18
HE40, M0 to M11 1ss	2	8	-56.2	-55.3	0.32	-44.4	-27	17.4
HE40, M0 to M11 2ss	2	8	-56.2	-55.3	0.32	-44.4	-27	17.4
HE40 Beam Forming, M0 to M11 1ss	2	11	-56.8	-56.6	0.32	-42.4	-27	15.37
HE40 Beam Forming, M0 to M11 2ss	2	8	-56.2	-55.3	0.32	-44.4	-27	17.4

HE40 STBC, M0 to M11 2ss	2	8	-56.2	-55.3	0.32	-44.4	-27	17.4
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Frequency 5530 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	-55.9		0.31	-47.6	-27	20.59
Non HT80, 6 to 54 Mbps	2	8	-56.0	-56.2	0.31	-44.8	-27	17.78
VHT80, M0 to M11 1ss	1	8	-57.3		0.62	-48.7	-27	21.68
VHT80, M0 to M11 1ss	2	8	-57.4	-55.8	0.62	-44.9	-27	17.9
VHT80, M0 to M11 2ss	2	8	-57.4	-55.8	0.62	-44.9	-27	17.9
VHT80 Beam Forming, M0 to M11 1ss	2	11	-56.6	-55.8	0.62	-41.6	-27	14.55
VHT80 Beam Forming, M0 to M11 2ss	2	8	-57.4	-55.8	0.62	-44.9	-27	17.9
VHT80 STBC, M0 to M11 2ss	2	8	-57.4	-55.8	0.62	-44.9	-27	17.9
HE80, M0 to M11 1ss	1	8	-57.9		0.35	-49.5	-27	22.55
HE80, M0 to M11 1ss	2	8	-57.1	-56.1	0.35	-45.2	-27	18.21
HE80, M0 to M11 2ss	2	8	-57.1	-56.1	0.35	-45.2	-27	18.21
HE80 Beam Forming, M0 to M11 1ss	2	11	-57.8	-56.5	0.35	-42.7	-27	15.74
HE80 Beam Forming, M0 to M11 2ss	2	8	-57.1	-56.1	0.35	-45.2	-27	18.21
HE80 STBC, M0 to M11 2ss	2	8	-57.1	-56.1	0.35	-45.2	-27	18.21

Frequency 5550 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	-55.0		0.23	-46.8	-27	19.77
Non HT40, 6 to 54 Mbps	2	8	-55.9	-56.3	0.23	-44.9	-27	17.86
HT/VHT40, M0 to M7	1	8	-55.9		0.39	-47.5	-27	20.51
HT/VHT40, M0 to M7	2	8	-56.8	-56.3	0.39	-45.1	-27	18.15
HT/VHT40, M8 to M15	2	8	-55.9	-56.4	0.39	-44.7	-27	17.75
HT/VHT40 Beam Forming, M0 to M7	2	11	-56.8	-56.3	0.39	-42.1	-27	15.15
HT/VHT40 Beam Forming, M8 to M15	2	8	-55.9	-56.4	0.39	-44.7	-27	17.75
HT/VHT40 STBC, M8 to M15	2	8	-55.9	-56.4	0.39	-44.7	-27	17.75
HE40, M0 to M11 1ss	1	8	-54.1		0.32	-45.8	-27	18.78
HE40, M0 to M11 1ss	2	8	-57.4	-56.2	0.32	-45.4	-27	18.43
HE40, M0 to M11 2ss	2	8	-54.1	-55.6	0.32	-43.5	-27	16.45
HE40 Beam Forming, M0 to M11 1ss	2	11	-57.4	-56.2	0.32	-42.4	-27	15.43
HE40 Beam Forming, M0 to M11 2ss	2	8	-54.1	-55.6	0.32	-43.5	-27	16.45
HE40 STBC, M0 to M11 2ss	2	8	-54.1	-55.6	0.32	-43.5	-27	16.45

Frequency 5560 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		0.17	-47.0	-27	20.03
Non HT20, 6 to 54 Mbps	2	8	-57.8	-57.1	0.17	-46.3	-27	19.26
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-57.8	-57.1	0.17	-43.3	-27	16.26
HT/VHT20, M0 to M7	1	8	-55.3		0.66	-46.6	-27	19.64
HT/VHT20, M0 to M7	2	8	-57.8	-56.9	0.66	-45.7	-27	18.66
HT/VHT20, M8 to M15	2	8	-56.5	-56.3	0.66	-44.7	-27	17.73
HT/VHT20 Beam Forming, M0 to M7	2	11	-57.8	-56.9	0.66	-42.7	-27	15.66
HT/VHT20 Beam Forming, M8 to M15	2	8	-56.5	-56.3	0.66	-44.7	-27	17.73
HT/VHT20 STBC, M8 to M15	2	8	-56.5	-56.3	0.66	-44.7	-27	17.73
HE20, M0 to M11 1ss	1	8	-53.4		0.28	-45.1	-27	18.12
HE20, M0 to M11 1ss	2	8	-58.2	-57.1	0.28	-46.3	-27	19.33
HE20, M0 to M11 2ss	2	8	-56.7	-55.5	0.28	-44.8	-27	17.77
HE20 Beam Forming, M0 to M11 1ss	2	11	-58.2	-57.1	0.28	-43.3	-27	16.33
HE20 Beam Forming, M0 to M11 2ss	2	8	-56.7	-55.5	0.28	-44.8	-27	17.77
HE20 STBC, M0 to M11 2ss	2	8	-56.7	-55.5	0.28	-44.8	-27	17.77

Frequency 5610 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		0.31	-48.8	-27	21.79
Non HT80, 6 to 54 Mbps	2	8	-57.1	-56.2	0.31	-45.3	-27	18.31
VHT80, M0 to M11 1ss	1	8	-56.8		0.62	-48.2	-27	21.18
VHT80, M0 to M11 1ss	2	8	-56.8	-55.6	0.62	-44.5	-27	17.53
VHT80, M0 to M11 2ss	2	8	-56.8	-55.6	0.62	-44.5	-27	17.53
VHT80 Beam Forming, M0 to M11 1ss	2	11	-56.1	-55.8	0.62	-41.3	-27	14.32
VHT80 Beam Forming, M0 to M11 2ss	2	8	-56.8	-55.6	0.62	-44.5	-27	17.53
VHT80 STBC, M0 to M11 2ss	2	8	-56.8	-55.6	0.62	-44.5	-27	17.53
HE80, M0 to M11 1ss	1	8	-57.5		0.35	-49.1	-27	22.15
HE80, M0 to M11 1ss	2	8	-57.5	-55.2	0.35	-44.8	-27	17.84
HE80, M0 to M11 2ss	2	8	-57.5	-55.2	0.35	-44.8	-27	17.84
HE80 Beam Forming, M0 to M11 1ss	2	11	-57.0	-55.7	0.35	-41.9	-27	14.94
HE80 Beam Forming, M0 to M11 2ss	2	8	-57.5	-55.2	0.35	-44.8	-27	17.84
HE80 STBC, M0 to M11 2ss	2	8	-57.5	-55.2	0.35	-44.8	-27	17.84

Frequency 5670 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	-57.5		0.23	-49.3	-27	22.27
Non HT40, 6 to 54 Mbps	2	8	-57.5	-56.5	0.23	-45.7	-27	18.73
HT/VHT40, M0 to M7	1	8	-57.0		0.39	-48.6	-27	21.61
HT/VHT40, M0 to M7	2	8	-58.0	-57.0	0.39	-46.1	-27	19.07
HT/VHT40, M8 to M15	2	8	-57.0	-55.7	0.39	-44.9	-27	17.9
HT/VHT40 Beam Forming, M0 to M7	2	11	-58.0	-57.0	0.39	-43.1	-27	16.07
HT/VHT40 Beam Forming, M8 to M15	2	8	-57.0	-55.7	0.39	-44.9	-27	17.9
HT/VHT40 STBC, M8 to M15	2	8	-57.0	-55.7	0.39	-44.9	-27	17.9
HE40, M0 to M11 1ss	1	8	-57.3		0.32	-49.0	-27	21.98
HE40, M0 to M11 1ss	2	8	-57.5	-56.1	0.32	-45.4	-27	18.41
HE40, M0 to M11 2ss	2	8	-57.5	-56.1	0.32	-45.4	-27	18.41
HE40 Beam Forming, M0 to M11 1ss	2	11	-57.5	-56.1	0.32	-42.4	-27	15.41
HE40 Beam Forming, M0 to M11 2ss	2	8	-57.5	-56.1	0.32	-45.4	-27	18.41
HE40 STBC, M0 to M11 2ss	2	8	-57.5	-56.1	0.32	-45.4	-27	18.41

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	-56.7		0.31	-48.4	-27	21.39
Non HT80, 6 to 54 Mbps	2	8	-56.7	-56.1	0.31	-45.1	-27	18.07
VHT80, M0 to M11 1ss	1	8	-56.5		0.62	-47.9	-27	20.88
VHT80, M0 to M11 1ss	2	8	-56.5	-56.3	0.62	-44.8	-27	17.77
VHT80, M0 to M11 2ss	2	8	-56.5	-56.3	0.62	-44.8	-27	17.77
VHT80 Beam Forming, M0 to M11 1ss	2	11	-57.2	-56.4	0.62	-42.2	-27	15.15
VHT80 Beam Forming, M0 to M11 2ss	2	8	-56.5	-56.3	0.62	-44.8	-27	17.77
VHT80 STBC, M0 to M11 2ss	2	8	-56.5	-56.3	0.62	-44.8	-27	17.77
HE80, M0 to M11 1ss	1	8	-57.6		0.35	-49.2	-27	22.25
HE80, M0 to M11 1ss	2	8	-57.6	-56.8	0.35	-45.8	-27	18.82
HE80, M0 to M11 2ss	2	8	-57.6	-56.8	0.35	-45.8	-27	18.82
HE80 Beam Forming, M0 to M11 1ss	2	11	-58.0	-56.9	0.35	-43.1	-27	16.05
HE80 Beam Forming, M0 to M11 2ss	2	8	-57.6	-56.8	0.35	-45.8	-27	18.82
HE80 STBC, M0 to M11 2ss	2	8	-57.6	-56.8	0.35	-45.8	-27	18.82

Frequency 5700 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	-54.7		0.17	-46.5	-27	19.53
Non HT20, 6 to 54 Mbps	2	8	-56.8	-55.2	0.17	-44.7	-27	17.75
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-56.8	-55.2	0.17	-41.7	-27	14.75
HT/VHT20, M0 to M7	1	8	-54.4		0.66	-45.7	-27	18.74
HT/VHT20, M0 to M7	2	8	-57.6	-55.4	0.66	-44.7	-27	17.69
HT/VHT20, M8 to M15	2	8	-55.1	-56.3	0.66	-44.0	-27	16.99
HT/VHT20 Beam Forming, M0 to M7	2	11	-57.6	-55.4	0.66	-41.7	-27	14.69
HT/VHT20 Beam Forming, M8 to M15	2	8	-55.1	-56.3	0.66	-44.0	-27	16.99
HT/VHT20 STBC, M8 to M15	2	8	-55.1	-56.3	0.66	-44.0	-27	16.99
HE20, M0 to M11 1ss	1	8	-56.0		0.28	-47.7	-27	20.72
HE20, M0 to M11 1ss	2	8	-57.7	-56.4	0.28	-45.7	-27	18.72
HE20, M0 to M11 2ss	2	8	-56.9	-56.5	0.28	-45.4	-27	18.41
HE20 Beam Forming, M0 to M11 1ss	2	11	-57.7	-56.4	0.28	-42.7	-27	15.72
HE20 Beam Forming, M0 to M11 2ss	2	8	-56.9	-56.5	0.28	-45.4	-27	18.41
HE20 STBC, M0 to M11 2ss	2	8	-56.9	-56.5	0.28	-45.4	-27	18.41

Frequency 5710 MHz

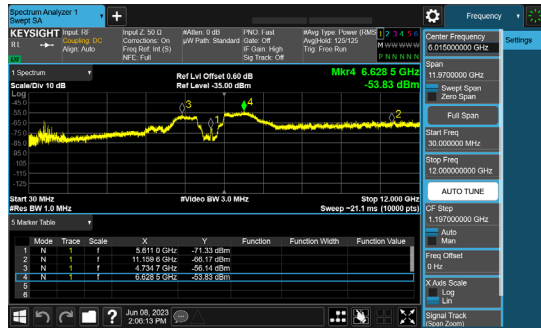
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	8	-54.6		0.23	-46.4	-27	19.37
Non HT40, 6 to 54 Mbps	2	8	-56.0	-56.3	0.23	-44.9	-27	17.91
HT/VHT40, M0 to M7	1	8	-53.5		0.39	-45.1	-27	18.11
HT/VHT40, M0 to M7	2	8	-57.3	-55.8	0.39	-45.1	-27	18.09
HT/VHT40, M8 to M15	2	8	-53.5	-56.2	0.39	-43.2	-27	16.25
HT/VHT40 Beam Forming, M0 to M7	2	11	-57.3	-55.8	0.39	-42.1	-27	15.09
HT/VHT40 Beam Forming, M8 to M15	2	8	-53.5	-56.2	0.39	-43.2	-27	16.25
HT/VHT40 STBC, M8 to M15	2	8	-53.5	-56.2	0.39	-43.2	-27	16.25
HE40, M0 to M11 1ss	1	8	-57.1		0.32	-48.8	-27	21.78
HE40, M0 to M11 1ss	2	8	-56.0	-56.9	0.32	-45.1	-27	18.1
HE40, M0 to M11 2ss	2	8	-57.1	-55.8	0.32	-45.1	-27	18.07
HE40 Beam Forming, M0 to M11 1ss	2	11	-56.0	-56.9	0.32	-42.1	-27	15.1
HE40 Beam Forming, M0 to M11 2ss	2	8	-57.1	-55.8	0.32	-45.1	-27	18.07
HE40 STBC, M0 to M11 2ss	2	8	-57.1	-55.8	0.32	-45.1	-27	18.07

Frequency 5720 MHz

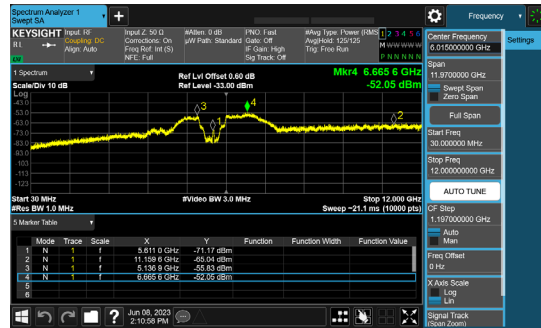
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-53.9		0.17	-45.7	-27	18.73
Non HT20, 6 to 54 Mbps	2	8	-56.7	-56.2	0.17	-45.3	-27	18.27
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-56.7	-56.2	0.17	-42.3	-27	15.27
HT/VHT20, M0 to M7	1	8	-54.2		0.66	-45.5	-27	18.54
HT/VHT20, M0 to M7	2	8	-56.5	-55.6	0.66	-44.4	-27	17.36
HT/VHT20, M8 to M15	2	8	-56.5	-56.4	0.66	-44.8	-27	17.78
HT/VHT20 Beam Forming, M0 to M7	2	11	-56.5	-55.6	0.66	-41.4	-27	14.36
HT/VHT20 Beam Forming, M8 to M15	2	8	-56.5	-56.4	0.66	-44.8	-27	17.78
HT/VHT20 STBC, M8 to M15	2	8	-56.5	-56.4	0.66	-44.8	-27	17.78
HE20, M0 to M11 1ss	1	8	-55.3		0.28	-47.0	-27	20.02
HE20, M0 to M11 1ss	2	8	-56.5	-56.2	0.28	-45.1	-27	18.06
HE20, M0 to M11 2ss	2	8	-56.5	-56.1	0.28	-45.0	-27	18.01
HE20 Beam Forming, M0 to M11 1ss	2	11	-56.5	-56.2	0.28	-42.1	-27	15.06
HE20 Beam Forming, M0 to M11 2ss	2	8	-56.5	-56.1	0.28	-45.0	-27	18.01
HE20 STBC, M0 to M11 2ss	2	8	-56.5	-56.1	0.28	-45.0	-27	18.01

Data Screenshots – Antenna gain 8dBi Peak

5610 MHz: VHT80 Beam Forming, M0 to M11 1ss

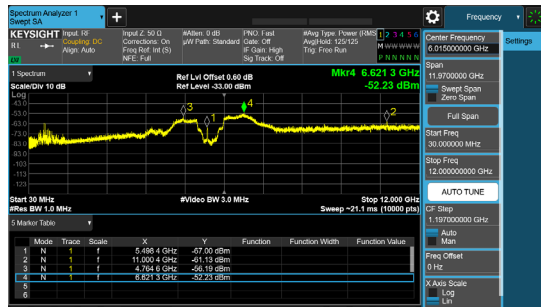


Antenna A

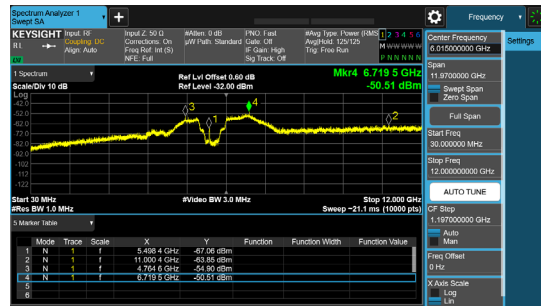


Antenna B

5500 MHz: Non HT20 Beam Forming, 6 to 54 Mbps

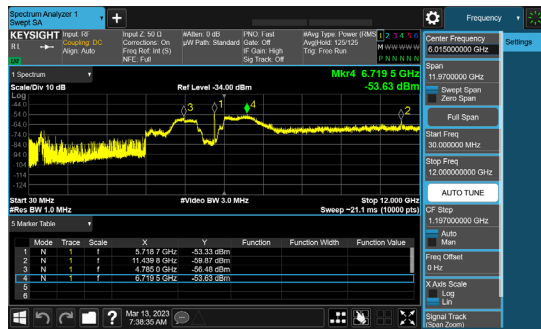


Antenna A

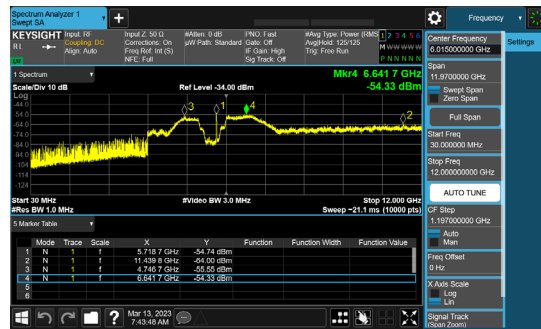


Antenna B

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



Antenna A



Antenna B

Conducted Spurious Average Table – 5G Antenna Gain 10**Frequency 5500 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	10	-62.9		0.17	-52.7	-41	11.48
Non HT20, 6 to 54 Mbps	2	10	-63.2	-61.3	0.17	-49.0	-41	7.72
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-63.2	-61.3	0.17	-49.0	-41	7.72
HT/VHT20, M0 to M7	1	10	-63.3		0.66	-52.6	-41	11.39
HT/VHT20, M0 to M7	2	10	-63.9	-61.6	0.66	-48.9	-41	7.68
HT/VHT20, M8 to M15	2	10	-63.9	-61.6	0.66	-48.9	-41	7.68
HT/VHT20 Beam Forming, M0 to M7	2	10	-63.9	-61.6	0.66	-48.9	-41	7.68
HT/VHT20 Beam Forming, M8 to M15	2	10	-63.9	-61.6	0.66	-48.9	-41	7.68
HT/VHT20 STBC, M8 to M15	2	10	-63.9	-61.6	0.66	-48.9	-41	7.68
HE20, M0 to M11 1ss	1	10	-63.9		0.28	-53.6	-41	12.37
HE20, M0 to M11 1ss	2	10	-63.7	-61.4	0.28	-49.1	-41	7.86
HE20, M0 to M11 2ss	2	10	-63.7	-61.4	0.28	-49.1	-41	7.86
HE20 Beam Forming, M0 to M11 1ss	2	10	-63.7	-61.4	0.28	-49.1	-41	7.86
HE20 Beam Forming, M0 to M11 2ss	2	10	-63.7	-61.4	0.28	-49.1	-41	7.86
HE20 STBC, M0 to M11 2ss	2	10	-63.7	-61.4	0.28	-49.1	-41	7.86

Frequency 5510 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	10	-61.4		0.23	-51.2	-41	9.92
Non HT40, 6 to 54 Mbps	2	10	-62.2	-60.6	0.23	-48.1	-41	6.84
HT/VHT40, M0 to M7	1	10	-62.4		0.39	-52.0	-41	10.76
HT/VHT40, M0 to M7	2	10	-62.3	-60.1	0.39	-47.7	-41	6.42
HT/VHT40, M8 to M15	2	10	-62.3	-60.1	0.39	-47.7	-41	6.42
HT/VHT40 Beam Forming, M0 to M7	2	10	-62.3	-60.1	0.39	-47.7	-41	6.42
HT/VHT40 Beam Forming, M8 to M15	2	10	-62.3	-60.1	0.39	-47.7	-41	6.42
HT/VHT40 STBC, M8 to M15	2	10	-62.3	-60.1	0.39	-47.7	-41	6.42
HE40, M0 to M11 1ss	1	10	-62.1		0.32	-51.8	-41	10.53
HE40, M0 to M11 1ss	2	10	-62.6	-60.5	0.32	-48.1	-41	6.84
HE40, M0 to M11 2ss	2	10	-62.6	-60.5	0.32	-48.1	-41	6.84
HE40 Beam Forming, M0 to M11 1ss	2	10	-62.6	-60.5	0.32	-48.1	-41	6.84
HE40 Beam Forming, M0 to M11 2ss	2	10	-62.6	-60.5	0.32	-48.1	-41	6.84
HE40 STBC, M0 to M11 2ss	2	10	-62.6	-60.5	0.32	-48.1	-41	6.84

Frequency 5530 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	10	-64.0		0.31	-53.7	-41	12.44
Non HT80, 6 to 54 Mbps	2	10	-63.7	-64.0	0.31	-50.5	-41	9.28
VHT80, M0 to M11 1ss	1	10	-64.6		0.62	-54.0	-41	12.73
VHT80, M0 to M11 1ss	2	10	-64.6	-64.7	0.62	-51.0	-41	9.77
VHT80, M0 to M11 2ss	2	10	-64.6	-64.7	0.62	-51.0	-41	9.77
VHT80 Beam Forming, M0 to M11 1ss	2	10	-64.6	-64.7	0.62	-51.0	-41	9.77
VHT80 Beam Forming, M0 to M11 2ss	2	10	-64.6	-64.7	0.62	-51.0	-41	9.77
VHT80 STBC, M0 to M11 2ss	2	10	-64.6	-64.7	0.62	-51.0	-41	9.77
HE80, M0 to M11 1ss	1	10	-64.5		0.35	-54.1	-41	12.9
HE80, M0 to M11 1ss	2	10	-64.4	-65.0	0.35	-51.3	-41	10.08
HE80, M0 to M11 2ss	2	10	-64.4	-65.0	0.35	-51.3	-41	10.08
HE80 Beam Forming, M0 to M11 1ss	2	10	-64.4	-65.0	0.35	-51.3	-41	10.08
HE80 Beam Forming, M0 to M11 2ss	2	10	-64.4	-65.0	0.35	-51.3	-41	10.08
HE80 STBC, M0 to M11 2ss	2	10	-64.4	-65.0	0.35	-51.3	-41	10.08

Frequency 5550 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	10	-61.4		0.23	-51.2	-41	9.92
Non HT40, 6 to 54 Mbps	2	10	-61.0	-61.3	0.23	-47.9	-41	6.66
HT/VHT40, M0 to M7	1	10	-61.9		0.39	-51.5	-41	10.26
HT/VHT40, M0 to M7	2	10	-61.4	-61.3	0.39	-48.0	-41	6.7
HT/VHT40, M8 to M15	2	10	-61.4	-61.3	0.39	-48.0	-41	6.7
HT/VHT40 Beam Forming, M0 to M7	2	10	-61.4	-61.3	0.39	-48.0	-41	6.7
HT/VHT40 Beam Forming, M8 to M15	2	10	-61.4	-61.3	0.39	-48.0	-41	6.7
HT/VHT40 STBC, M8 to M15	2	10	-61.4	-61.3	0.39	-48.0	-41	6.7
HE40, M0 to M11 1ss	1	10	-61.6		0.32	-51.3	-41	10.03
HE40, M0 to M11 1ss	2	10	-61.2	-61.2	0.32	-47.9	-41	6.62
HE40, M0 to M11 2ss	2	10	-61.2	-61.2	0.32	-47.9	-41	6.62
HE40 Beam Forming, M0 to M11 1ss	2	10	-61.2	-61.2	0.32	-47.9	-41	6.62
HE40 Beam Forming, M0 to M11 2ss	2	10	-61.2	-61.2	0.32	-47.9	-41	6.62
HE40 STBC, M0 to M11 2ss	2	10	-61.2	-61.2	0.32	-47.9	-41	6.62

Frequency 5560 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	10	-63.4		0.17	-53.2	-41	11.98
Non HT20, 6 to 54 Mbps	2	10	-63.4	-61.5	0.17	-49.2	-41	7.92
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-63.4	-61.5	0.17	-49.2	-41	7.92
HT/VHT20, M0 to M7	1	10	-63.2		0.66	-52.5	-41	11.29
HT/VHT20, M0 to M7	2	10	-63.1	-61.4	0.66	-48.5	-41	7.25
HT/VHT20, M8 to M15	2	10	-63.1	-61.4	0.66	-48.5	-41	7.25
HT/VHT20 Beam Forming, M0 to M7	2	10	-63.1	-61.4	0.66	-48.5	-41	7.25
HT/VHT20 Beam Forming, M8 to M15	2	10	-63.1	-61.4	0.66	-48.5	-41	7.25
HT/VHT20 STBC, M8 to M15	2	10	-63.1	-61.4	0.66	-48.5	-41	7.25
HE20, M0 to M11 1ss	1	10	-62.5		0.28	-52.2	-41	10.97
HE20, M0 to M11 1ss	2	10	-62.4	-61.5	0.28	-48.6	-41	7.39
HE20, M0 to M11 2ss	2	10	-62.4	-61.5	0.28	-48.6	-41	7.39
HE20 Beam Forming, M0 to M11 1ss	2	10	-62.4	-61.5	0.28	-48.6	-41	7.39
HE20 Beam Forming, M0 to M11 2ss	2	10	-62.4	-61.5	0.28	-48.6	-41	7.39
HE20 STBC, M0 to M11 2ss	2	10	-62.4	-61.5	0.28	-48.6	-41	7.39

Frequency 5610 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	10	-64.3		0.31	-54.0	-41	12.74
Non HT80, 6 to 54 Mbps	2	10	-64.3	-64.8	0.31	-51.2	-41	9.98
VHT80, M0 to M11 1ss	1	10	-64.7		0.62	-54.1	-41	12.83
VHT80, M0 to M11 1ss	2	10	-64.8	-64.3	0.62	-50.9	-41	9.66
VHT80, M0 to M11 2ss	2	10	-64.8	-64.3	0.62	-50.9	-41	9.66
VHT80 Beam Forming, M0 to M11 1ss	2	10	-64.8	-64.3	0.62	-50.9	-41	9.66
VHT80 Beam Forming, M0 to M11 2ss	2	10	-64.8	-64.3	0.62	-50.9	-41	9.66
VHT80 STBC, M0 to M11 2ss	2	10	-64.8	-64.3	0.62	-50.9	-41	9.66
HE80, M0 to M11 1ss	1	10	-64.5		0.35	-54.1	-41	12.9
HE80, M0 to M11 1ss	2	10	-64.8	-65.1	0.35	-51.6	-41	10.33
HE80, M0 to M11 2ss	2	10	-64.8	-65.1	0.35	-51.6	-41	10.33
HE80 Beam Forming, M0 to M11 1ss	2	10	-64.8	-65.1	0.35	-51.6	-41	10.33
HE80 Beam Forming, M0 to M11 2ss	2	10	-64.8	-65.1	0.35	-51.6	-41	10.33
HE80 STBC, M0 to M11 2ss	2	10	-64.8	-65.1	0.35	-51.6	-41	10.33

Frequency 5670 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	10	-63.3		0.23	-53.1	-41	11.82
Non HT40, 6 to 54 Mbps	2	10	-62.9	-61.8	0.23	-49.1	-41	7.82
HT/VHT40, M0 to M7	1	10	-63.7		0.39	-53.3	-41	12.06
HT/VHT40, M0 to M7	2	10	-63.5	-61.8	0.39	-49.2	-41	7.92
HT/VHT40, M8 to M15	2	10	-63.5	-61.8	0.39	-49.2	-41	7.92
HT/VHT40 Beam Forming, M0 to M7	2	10	-63.5	-61.8	0.39	-49.2	-41	7.92
HT/VHT40 Beam Forming, M8 to M15	2	10	-63.5	-61.8	0.39	-49.2	-41	7.92
HT/VHT40 STBC, M8 to M15	2	10	-63.5	-61.8	0.39	-49.2	-41	7.92
HE40, M0 to M11 1ss	1	10	-63.5		0.32	-53.2	-41	11.93
HE40, M0 to M11 1ss	2	10	-63.5	-61.3	0.32	-48.9	-41	7.68
HE40, M0 to M11 2ss	2	10	-63.5	-61.3	0.32	-48.9	-41	7.68
HE40 Beam Forming, M0 to M11 1ss	2	10	-63.5	-61.3	0.32	-48.9	-41	7.68
HE40 Beam Forming, M0 to M11 2ss	2	10	-63.5	-61.3	0.32	-48.9	-41	7.68
HE40 STBC, M0 to M11 2ss	2	10	-63.5	-61.3	0.32	-48.9	-41	7.68

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	10	-64.6		0.31	-54.3	-41	13.04
Non HT80, 6 to 54 Mbps	2	10	-64.5	-64.9	0.31	-51.4	-41	10.13
VHT80, M0 to M11 1ss	1	10	-64.3		0.62	-53.7	-41	12.43
VHT80, M0 to M11 1ss	2	10	-65.0	-65.2	0.62	-51.5	-41	10.22
VHT80, M0 to M11 2ss	2	10	-65.0	-65.2	0.62	-51.5	-41	10.22
VHT80 Beam Forming, M0 to M11 1ss	2	10	-65.0	-65.2	0.62	-51.5	-41	10.22
VHT80 Beam Forming, M0 to M11 2ss	2	10	-65.0	-65.2	0.62	-51.5	-41	10.22
VHT80 STBC, M0 to M11 2ss	2	10	-65.0	-65.2	0.62	-51.5	-41	10.22
HE80, M0 to M11 1ss	1	10	-65.0		0.35	-54.6	-41	13.4
HE80, M0 to M11 1ss	2	10	-64.8	-65.3	0.35	-51.7	-41	10.43
HE80, M0 to M11 2ss	2	10	-64.8	-65.3	0.35	-51.7	-41	10.43
HE80 Beam Forming, M0 to M11 1ss	2	10	-64.8	-65.3	0.35	-51.7	-41	10.43
HE80 Beam Forming, M0 to M11 2ss	2	10	-64.8	-65.3	0.35	-51.7	-41	10.43
HE80 STBC, M0 to M11 2ss	2	10	-64.8	-65.3	0.35	-51.7	-41	10.43

Frequency 5700 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	10	-63.6		0.17	-53.4	-41	12.18
Non HT20, 6 to 54 Mbps	2	10	-63.6	-62.1	0.17	-49.6	-41	8.36
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-63.6	-62.1	0.17	-49.6	-41	8.36
HT/VHT20, M0 to M7	1	10	-63.6		0.66	-52.9	-41	11.69
HT/VHT20, M0 to M7	2	10	-63.7	-62.3	0.66	-49.3	-41	8.02
HT/VHT20, M8 to M15	2	10	-63.7	-62.3	0.66	-49.3	-41	8.02
HT/VHT20 Beam Forming, M0 to M7	2	10	-63.7	-62.3	0.66	-49.3	-41	8.02
HT/VHT20 Beam Forming, M8 to M15	2	10	-63.7	-62.3	0.66	-49.3	-41	8.02
HT/VHT20 STBC, M8 to M15	2	10	-63.7	-62.3	0.66	-49.3	-41	8.02
HE20, M0 to M11 1ss	1	10	-63.4		0.28	-53.1	-41	11.87
HE20, M0 to M11 1ss	2	10	-63.4	-62.0	0.28	-49.4	-41	8.11
HE20, M0 to M11 2ss	2	10	-63.4	-62.0	0.28	-49.4	-41	8.11
HE20 Beam Forming, M0 to M11 1ss	2	10	-63.4	-62.0	0.28	-49.4	-41	8.11
HE20 Beam Forming, M0 to M11 2ss	2	10	-63.4	-62.0	0.28	-49.4	-41	8.11
HE20 STBC, M0 to M11 2ss	2	10	-63.4	-62.0	0.28	-49.4	-41	8.11

Frequency 5710 MHz

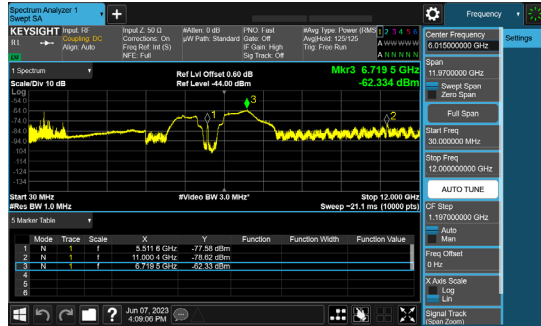
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	10	-63.5		0.23	-53.3	-41	12.02
Non HT40, 6 to 54 Mbps	2	10	-63.5	-61.5	0.23	-49.1	-41	7.9
HT/VHT40, M0 to M7	1	10	-63.6		0.39	-53.2	-41	11.96
HT/VHT40, M0 to M7	2	10	-63.2	-61.4	0.39	-48.8	-41	7.56
HT/VHT40, M8 to M15	2	10	-63.2	-61.4	0.39	-48.8	-41	7.56
HT/VHT40 Beam Forming, M0 to M7	2	10	-63.2	-61.4	0.39	-48.8	-41	7.56
HT/VHT40 Beam Forming, M8 to M15	2	10	-63.2	-61.4	0.39	-48.8	-41	7.56
HT/VHT40 STBC, M8 to M15	2	10	-63.2	-61.4	0.39	-48.8	-41	7.56
HE40, M0 to M11 1ss	1	10	-63.8		0.32	-53.5	-41	12.23
HE40, M0 to M11 1ss	2	10	-63.5	-61.4	0.32	-49.0	-41	7.74
HE40, M0 to M11 2ss	2	10	-63.5	-61.4	0.32	-49.0	-41	7.74
HE40 Beam Forming, M0 to M11 1ss	2	10	-63.5	-61.4	0.32	-49.0	-41	7.74
HE40 Beam Forming, M0 to M11 2ss	2	10	-63.5	-61.4	0.32	-49.0	-41	7.74
HE40 STBC, M0 to M11 2ss	2	10	-63.5	-61.4	0.32	-49.0	-41	7.74

Frequency 5720 MHz

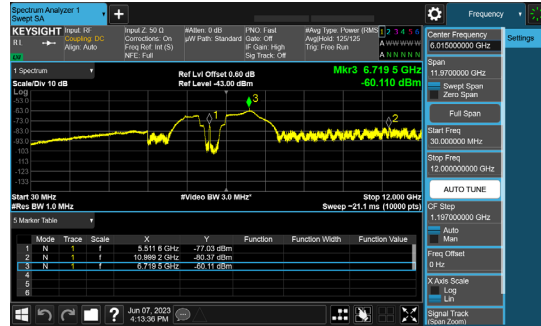
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	10	-63.5		0.17	-53.3	-41	12.08
Non HT20, 6 to 54 Mbps	2	10	-63.4	-61.7	0.17	-49.3	-41	8.04
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-63.4	-61.7	0.17	-49.3	-41	8.04
HT/VHT20, M0 to M7	1	10	-63.4		0.66	-52.7	-41	11.49
HT/VHT20, M0 to M7	2	10	-63.5	-62.0	0.66	-49.0	-41	7.77
HT/VHT20, M8 to M15	2	10	-63.5	-62.0	0.66	-49.0	-41	7.77
HT/VHT20 Beam Forming, M0 to M7	2	10	-63.5	-62.0	0.66	-49.0	-41	7.77
HT/VHT20 Beam Forming, M8 to M15	2	10	-63.5	-62.0	0.66	-49.0	-41	7.77
HT/VHT20 STBC, M8 to M15	2	10	-63.5	-62.0	0.66	-49.0	-41	7.77
HE20, M0 to M11 1ss	1	10	-62.9		0.28	-52.6	-41	11.37
HE20, M0 to M11 1ss	2	10	-63.0	-62.0	0.28	-49.2	-41	7.94
HE20, M0 to M11 2ss	2	10	-63.0	-62.0	0.28	-49.2	-41	7.94
HE20 Beam Forming, M0 to M11 1ss	2	10	-63.0	-62.0	0.28	-49.2	-41	7.94
HE20 Beam Forming, M0 to M11 2ss	2	10	-63.0	-62.0	0.28	-49.2	-41	7.94
HE20 STBC, M0 to M11 2ss	2	10	-63.0	-62.0	0.28	-49.2	-41	7.94

Data Screenshots – Antenna gain 10dBi Average

5510 MHz: HT/VHT40, M0 to M7

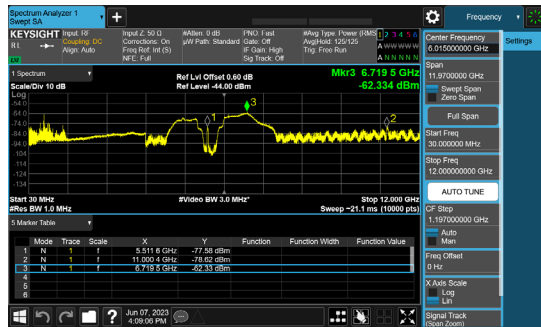


Antenna A

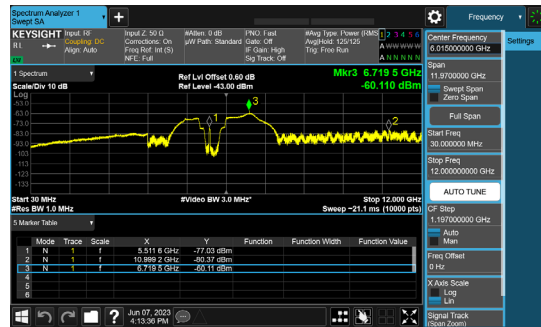


Antenna B

5510 MHz: HT/VHT40, M8 to M15

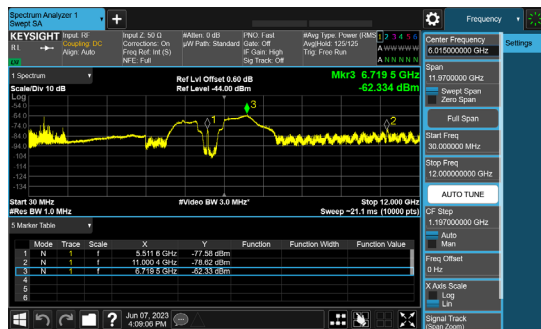


Antenna A

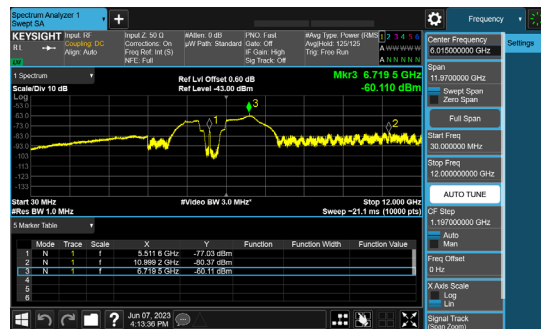


Antenna B

5510 MHz: HT/VHT40 Beam Forming, M0 to M7



Antenna A



Antenna B

Conducted Spurious Peak Table – 5G Antenna Gain 10dBi.

Frequency 5500 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	10	-55.8		0.17	-45.6	-27	18.63
Non HT20, 6 to 54 Mbps	2	10	-56.9	-55.8	0.17	-43.1	-27	16.14
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-56.9	-55.8	0.17	-43.1	-27	16.14
HT/VHT20, M0 to M7	1	10	-55.9		0.66	-45.2	-27	18.24
HT/VHT20, M0 to M7	2	10	-57.0	-56.4	0.66	-43.0	-27	16.02
HT/VHT20, M8 to M15	2	10	-57.0	-56.4	0.66	-43.0	-27	16.02
HT/VHT20 Beam Forming, M0 to M7	2	10	-57.0	-56.4	0.66	-43.0	-27	16.02
HT/VHT20 Beam Forming, M8 to M15	2	10	-57.0	-56.4	0.66	-43.0	-27	16.02
HT/VHT20 STBC, M8 to M15	2	10	-57.0	-56.4	0.66	-43.0	-27	16.02
HE20, M0 to M11 1ss	1	10	-55.5		0.28	-45.2	-27	18.22
HE20, M0 to M11 1ss	2	10	-56.6	-56.2	0.28	-43.1	-27	16.11
HE20, M0 to M11 2ss	2	10	-56.6	-56.2	0.28	-43.1	-27	16.11
HE20 Beam Forming, M0 to M11 1ss	2	10	-56.6	-56.2	0.28	-43.1	-27	16.11
HE20 Beam Forming, M0 to M11 2ss	2	10	-56.6	-56.2	0.28	-43.1	-27	16.11
HE20 STBC, M0 to M11 2ss	2	10	-56.6	-56.2	0.28	-43.1	-27	16.11

Frequency 5510 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	10	-57.2		0.23	-47.0	-27	19.97
Non HT40, 6 to 54 Mbps	2	10	-57.6	-56.8	0.23	-43.9	-27	16.94
HT/VHT40, M0 to M7	1	10	-55.6		0.39	-45.2	-27	18.21
HT/VHT40, M0 to M7	2	10	-57.0	-56.2	0.39	-43.2	-27	16.18
HT/VHT40, M8 to M15	2	10	-57.0	-56.2	0.39	-43.2	-27	16.18
HT/VHT40 Beam Forming, M0 to M7	2	10	-57.0	-56.2	0.39	-43.2	-27	16.18
HT/VHT40 Beam Forming, M8 to M15	2	10	-57.0	-56.2	0.39	-43.2	-27	16.18
HT/VHT40 STBC, M8 to M15	2	10	-57.0	-56.2	0.39	-43.2	-27	16.18
HE40, M0 to M11 1ss	1	10	-56.2		0.32	-45.9	-27	18.88
HE40, M0 to M11 1ss	2	10	-56.6	-56.1	0.32	-43.0	-27	16.01
HE40, M0 to M11 2ss	2	10	-56.6	-56.1	0.32	-43.0	-27	16.01
HE40 Beam Forming, M0 to M11 1ss	2	10	-56.6	-56.1	0.32	-43.0	-27	16.01
HE40 Beam Forming, M0 to M11 2ss	2	10	-56.6	-56.1	0.32	-43.0	-27	16.01
HE40 STBC, M0 to M11 2ss	2	10	-56.6	-56.1	0.32	-43.0	-27	16.01

Frequency 5530 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	10	-55.9		0.31	-45.6	-27	18.59
Non HT80, 6 to 54 Mbps	2	10	-56.0	-56.2	0.31	-42.8	-27	15.78
VHT80, M0 to M11 1ss	1	10	-57.4		0.62	-46.8	-27	19.78
VHT80, M0 to M11 1ss	2	10	-56.6	-55.8	0.62	-42.6	-27	15.55
VHT80, M0 to M11 2ss	2	10	-56.6	-55.8	0.62	-42.6	-27	15.55
VHT80 Beam Forming, M0 to M11 1ss	2	10	-56.6	-55.8	0.62	-42.6	-27	15.55
VHT80 Beam Forming, M0 to M11 2ss	2	10	-56.6	-55.8	0.62	-42.6	-27	15.55
VHT80 STBC, M0 to M11 2ss	2	10	-56.6	-55.8	0.62	-42.6	-27	15.55
HE80, M0 to M11 1ss	1	10	-57.9		0.35	-47.5	-27	20.55
HE80, M0 to M11 1ss	2	10	-57.1	-56.1	0.35	-43.2	-27	16.21
HE80, M0 to M11 2ss	2	10	-57.1	-56.1	0.35	-43.2	-27	16.21
HE80 Beam Forming, M0 to M11 1ss	2	10	-57.1	-56.1	0.35	-43.2	-27	16.21
HE80 Beam Forming, M0 to M11 2ss	2	10	-57.1	-56.1	0.35	-43.2	-27	16.21
HE80 STBC, M0 to M11 2ss	2	10	-57.1	-56.1	0.35	-43.2	-27	16.21

Frequency 5550 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	10	-55.0		0.23	-44.8	-27	17.77
Non HT40, 6 to 54 Mbps	2	10	-55.8	-55.8	0.23	-42.6	-27	15.56
HT/VHT40, M0 to M7	1	10	-55.9		0.39	-45.5	-27	18.51
HT/VHT40, M0 to M7	2	10	-56.0	-56.0	0.39	-42.6	-27	15.6
HT/VHT40, M8 to M15	2	10	-56.0	-56.0	0.39	-42.6	-27	15.6
HT/VHT40 Beam Forming, M0 to M7	2	10	-56.0	-56.0	0.39	-42.6	-27	15.6
HT/VHT40 Beam Forming, M8 to M15	2	10	-56.0	-56.0	0.39	-42.6	-27	15.6
HT/VHT40 STBC, M8 to M15	2	10	-56.0	-56.0	0.39	-42.6	-27	15.6
HE40, M0 to M11 1ss	1	10	-54.1		0.32	-43.8	-27	16.78
HE40, M0 to M11 1ss	2	10	-56.6	-56.2	0.32	-43.1	-27	16.06
HE40, M0 to M11 2ss	2	10	-56.6	-56.2	0.32	-43.1	-27	16.06
HE40 Beam Forming, M0 to M11 1ss	2	10	-56.6	-56.2	0.32	-43.1	-27	16.06
HE40 Beam Forming, M0 to M11 2ss	2	10	-56.6	-56.2	0.32	-43.1	-27	16.06
HE40 STBC, M0 to M11 2ss	2	10	-56.6	-56.2	0.32	-43.1	-27	16.06

Frequency 5560 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	10	-55.4		0.17	-45.2	-27	18.23
Non HT20, 6 to 54 Mbps	2	10	-57.8	-57.1	0.17	-44.3	-27	17.26
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-57.8	-57.1	0.17	-44.3	-27	17.26
HT/VHT20, M0 to M7	1	10	-56.5		0.66	-45.8	-27	18.84
HT/VHT20, M0 to M7	2	10	-57.8	-56.9	0.66	-43.7	-27	16.66
HT/VHT20, M8 to M15	2	10	-57.8	-56.9	0.66	-43.7	-27	16.66
HT/VHT20 Beam Forming, M0 to M7	2	10	-57.8	-56.9	0.66	-43.7	-27	16.66
HT/VHT20 Beam Forming, M8 to M15	2	10	-57.8	-56.9	0.66	-43.7	-27	16.66
HT/VHT20 STBC, M8 to M15	2	10	-57.8	-56.9	0.66	-43.7	-27	16.66
HE20, M0 to M11 1ss	1	10	-55.6		0.28	-45.3	-27	18.32
HE20, M0 to M11 1ss	2	10	-57.5	-56.4	0.28	-43.6	-27	16.63
HE20, M0 to M11 2ss	2	10	-57.5	-56.4	0.28	-43.6	-27	16.63
HE20 Beam Forming, M0 to M11 1ss	2	10	-57.5	-56.4	0.28	-43.6	-27	16.63
HE20 Beam Forming, M0 to M11 2ss	2	10	-57.5	-56.4	0.28	-43.6	-27	16.63
HE20 STBC, M0 to M11 2ss	2	10	-57.5	-56.4	0.28	-43.6	-27	16.63

Frequency 5610 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	10	-57.1		0.31	-46.8	-27	19.79
Non HT80, 6 to 54 Mbps	2	10	-57.1	-56.2	0.31	-43.3	-27	16.31
VHT80, M0 to M11 1ss	1	10	-56.8		0.62	-46.2	-27	19.18
VHT80, M0 to M11 1ss	2	10	-57.4	-54.8	0.62	-42.3	-27	15.28
VHT80, M0 to M11 2ss	2	10	-57.4	-54.8	0.62	-42.3	-27	15.28
VHT80 Beam Forming, M0 to M11 1ss	2	10	-57.4	-54.8	0.62	-42.3	-27	15.28
VHT80 Beam Forming, M0 to M11 2ss	2	10	-57.4	-54.8	0.62	-42.3	-27	15.28
VHT80 STBC, M0 to M11 2ss	2	10	-57.4	-54.8	0.62	-42.3	-27	15.28
HE80, M0 to M11 1ss	1	10	-57.5		0.35	-47.1	-27	20.15
HE80, M0 to M11 1ss	2	10	-57.8	-56.4	0.35	-43.7	-27	16.68
HE80, M0 to M11 2ss	2	10	-57.8	-56.4	0.35	-43.7	-27	16.68
HE80 Beam Forming, M0 to M11 1ss	2	10	-57.8	-56.4	0.35	-43.7	-27	16.68
HE80 Beam Forming, M0 to M11 2ss	2	10	-57.8	-56.4	0.35	-43.7	-27	16.68
HE80 STBC, M0 to M11 2ss	2	10	-57.8	-56.4	0.35	-43.7	-27	16.68

Frequency 5670 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	10	-57.5		0.23	-47.3	-27	20.27
Non HT40, 6 to 54 Mbps	2	10	-57.6	-57.0	0.23	-44.0	-27	17.05
HT/VHT40, M0 to M7	1	10	-57.0		0.39	-46.6	-27	19.61
HT/VHT40, M0 to M7	2	10	-58.0	-57.0	0.39	-44.1	-27	17.07
HT/VHT40, M8 to M15	2	10	-58.0	-57.0	0.39	-44.1	-27	17.07
HT/VHT40 Beam Forming, M0 to M7	2	10	-58.0	-57.0	0.39	-44.1	-27	17.07
HT/VHT40 Beam Forming, M8 to M15	2	10	-58.0	-57.0	0.39	-44.1	-27	17.07
HT/VHT40 STBC, M8 to M15	2	10	-58.0	-57.0	0.39	-44.1	-27	17.07
HE40, M0 to M11 1ss	1	10	-57.5		0.32	-47.2	-27	20.18
HE40, M0 to M11 1ss	2	10	-57.5	-56.1	0.32	-43.4	-27	16.41
HE40, M0 to M11 2ss	2	10	-57.5	-56.1	0.32	-43.4	-27	16.41
HE40 Beam Forming, M0 to M11 1ss	2	10	-57.5	-56.1	0.32	-43.4	-27	16.41
HE40 Beam Forming, M0 to M11 2ss	2	10	-57.5	-56.1	0.32	-43.4	-27	16.41
HE40 STBC, M0 to M11 2ss	2	10	-57.5	-56.1	0.32	-43.4	-27	16.41

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	10	-56.7		0.31	-46.4	-27	19.39
Non HT80, 6 to 54 Mbps	2	10	-57.8	-56.9	0.31	-44.0	-27	17.01
VHT80, M0 to M11 1ss	1	10	-56.5		0.62	-45.9	-27	18.88
VHT80, M0 to M11 1ss	2	10	-57.2	-56.4	0.62	-43.2	-27	16.15
VHT80, M0 to M11 2ss	2	10	-57.2	-56.4	0.62	-43.2	-27	16.15
VHT80 Beam Forming, M0 to M11 1ss	2	10	-57.2	-56.4	0.62	-43.2	-27	16.15
VHT80 Beam Forming, M0 to M11 2ss	2	10	-57.2	-56.4	0.62	-43.2	-27	16.15
VHT80 STBC, M0 to M11 2ss	2	10	-57.2	-56.4	0.62	-43.2	-27	16.15
HE80, M0 to M11 1ss	1	10	-57.6		0.35	-47.2	-27	20.25
HE80, M0 to M11 1ss	2	10	-57.0	-57.1	0.35	-43.7	-27	16.69
HE80, M0 to M11 2ss	2	10	-57.0	-57.1	0.35	-43.7	-27	16.69
HE80 Beam Forming, M0 to M11 1ss	2	10	-57.0	-57.1	0.35	-43.7	-27	16.69
HE80 Beam Forming, M0 to M11 2ss	2	10	-57.0	-57.1	0.35	-43.7	-27	16.69
HE80 STBC, M0 to M11 2ss	2	10	-57.0	-57.1	0.35	-43.7	-27	16.69

Frequency 5700 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	10	-54.7		0.17	-44.5	-27	17.53
Non HT20, 6 to 54 Mbps	2	10	-56.8	-55.2	0.17	-42.7	-27	15.75
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-56.8	-55.2	0.17	-42.7	-27	15.75
HT/VHT20, M0 to M7	1	10	-54.4		0.66	-43.7	-27	16.74
HT/VHT20, M0 to M7	2	10	-57.6	-55.4	0.66	-42.7	-27	15.69
HT/VHT20, M8 to M15	2	10	-57.6	-55.4	0.66	-42.7	-27	15.69
HT/VHT20 Beam Forming, M0 to M7	2	10	-57.6	-55.4	0.66	-42.7	-27	15.69
HT/VHT20 Beam Forming, M8 to M15	2	10	-57.6	-55.4	0.66	-42.7	-27	15.69
HT/VHT20 STBC, M8 to M15	2	10	-57.6	-55.4	0.66	-42.7	-27	15.69
HE20, M0 to M11 1ss	1	10	-56.9		0.28	-46.6	-27	19.62
HE20, M0 to M11 1ss	2	10	-57.7	-56.4	0.28	-43.7	-27	16.72
HE20, M0 to M11 2ss	2	10	-57.7	-56.4	0.28	-43.7	-27	16.72
HE20 Beam Forming, M0 to M11 1ss	2	10	-57.7	-56.4	0.28	-43.7	-27	16.72
HE20 Beam Forming, M0 to M11 2ss	2	10	-57.7	-56.4	0.28	-43.7	-27	16.72
HE20 STBC, M0 to M11 2ss	2	10	-57.7	-56.4	0.28	-43.7	-27	16.72

Frequency 5710 MHz

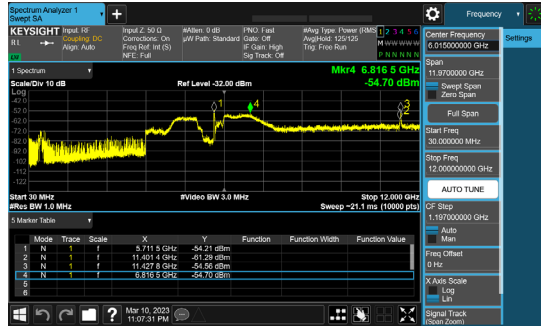
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	10	-54.6		0.23	-44.4	-27	17.37
Non HT40, 6 to 54 Mbps	2	10	-54.6	-56.1	0.23	-42.0	-27	15.05
HT/VHT40, M0 to M7	1	10	-53.5		0.39	-43.1	-27	16.11
HT/VHT40, M0 to M7	2	10	-56.9	-56.7	0.39	-43.4	-27	16.4
HT/VHT40, M8 to M15	2	10	-56.9	-56.7	0.39	-43.4	-27	16.4
HT/VHT40 Beam Forming, M0 to M7	2	10	-56.9	-56.7	0.39	-43.4	-27	16.4
HT/VHT40 Beam Forming, M8 to M15	2	10	-56.9	-56.7	0.39	-43.4	-27	16.4
HT/VHT40 STBC, M8 to M15	2	10	-56.9	-56.7	0.39	-43.4	-27	16.4
HE40, M0 to M11 1ss	1	10	-57.1		0.32	-46.8	-27	19.78
HE40, M0 to M11 1ss	2	10	-56.0	-56.9	0.32	-43.1	-27	16.1
HE40, M0 to M11 2ss	2	10	-56.0	-56.9	0.32	-43.1	-27	16.1
HE40 Beam Forming, M0 to M11 1ss	2	10	-56.0	-56.9	0.32	-43.1	-27	16.1
HE40 Beam Forming, M0 to M11 2ss	2	10	-56.0	-56.9	0.32	-43.1	-27	16.1
HE40 STBC, M0 to M11 2ss	2	10	-56.0	-56.9	0.32	-43.1	-27	16.1

Frequency 5720 MHz

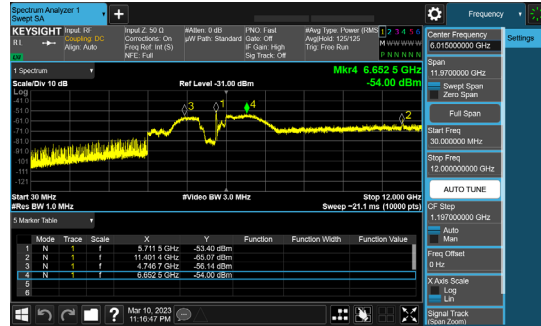
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	10	-54.1		0.17	-43.9	-27	16.93
Non HT20, 6 to 54 Mbps	2	10	-56.7	-56.2	0.17	-43.3	-27	16.27
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-56.7	-56.2	0.17	-43.3	-27	16.27
HT/VHT20, M0 to M7	1	10	-54.2		0.66	-43.5	-27	16.54
HT/VHT20, M0 to M7	2	10	-56.5	-55.6	0.66	-42.4	-27	15.36
HT/VHT20, M8 to M15	2	10	-56.5	-55.6	0.66	-42.4	-27	15.36
HT/VHT20 Beam Forming, M0 to M7	2	10	-56.5	-55.6	0.66	-42.4	-27	15.36
HT/VHT20 Beam Forming, M8 to M15	2	10	-56.5	-55.6	0.66	-42.4	-27	15.36
HT/VHT20 STBC, M8 to M15	2	10	-56.5	-55.6	0.66	-42.4	-27	15.36
HE20, M0 to M11 1ss	1	10	-54.6		0.28	-44.3	-27	17.32
HE20, M0 to M11 1ss	2	10	-56.5	-56.2	0.28	-43.1	-27	16.06
HE20, M0 to M11 2ss	2	10	-56.5	-56.2	0.28	-43.1	-27	16.06
HE20 Beam Forming, M0 to M11 1ss	2	10	-56.5	-56.2	0.28	-43.1	-27	16.06
HE20 Beam Forming, M0 to M11 2ss	2	10	-56.5	-56.2	0.28	-43.1	-27	16.06
HE20 STBC, M0 to M11 2ss	2	10	-56.5	-56.2	0.28	-43.1	-27	16.06

Data Screenshots – Antenna gain 10dBi Peak

5710 MHz: Non HT40, 6 to 54 Mbps

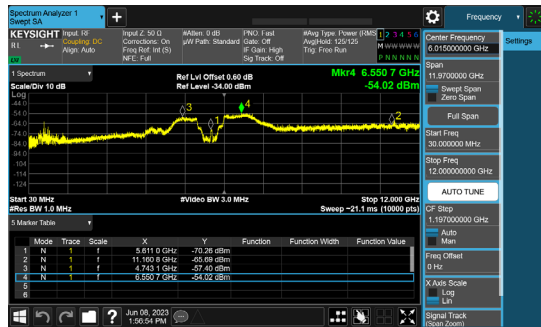


Antenna A

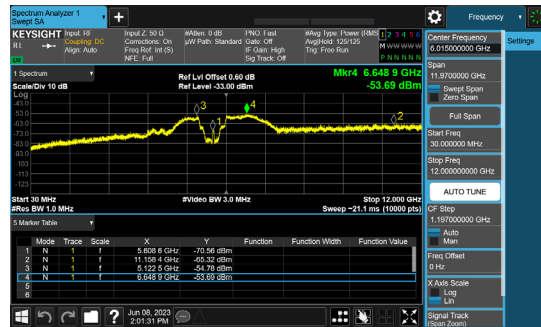


Antenna B

5610 MHz: VHT80, M0 to M11 1ss

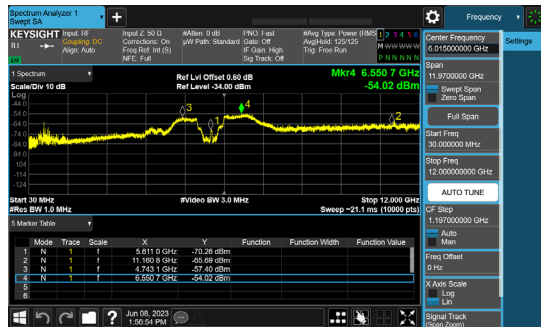


Antenna A

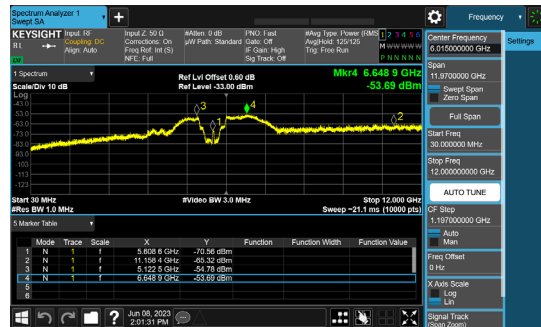


Antenna B

5610 MHz: VHT80, M0 to M11 2ss



Antenna A



Antenna B

Conducted Spurious Average Table – 5G Antenna Gain 13**Frequency 5500 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	13	-63.2		0.17	-50.0	-41	8.78
Non HT20, 6 to 54 Mbps	2	13	-67.1	-69.3	0.17	-51.9	-41	10.64
Non HT20 Beam Forming, 6 to 54 Mbps	2	13	-67.1	-69.3	0.17	-51.9	-41	10.64
HT/VHT20, M0 to M7	1	13	-63.9		0.66	-50.2	-41	8.99
HT/VHT20, M0 to M7	2	13	-67.0	-69.2	0.66	-51.3	-41	10.04
HT/VHT20, M8 to M15	2	13	-67.0	-69.2	0.66	-51.3	-41	10.04
HT/VHT20 Beam Forming, M0 to M7	2	13	-67.0	-69.2	0.66	-51.3	-41	10.04
HT/VHT20 Beam Forming, M8 to M15	2	13	-67.0	-69.2	0.66	-51.3	-41	10.04
HT/VHT20 STBC, M8 to M15	2	13	-67.0	-69.2	0.66	-51.3	-41	10.04
HE20, M0 to M11 1ss	1	13	-63.7		0.28	-50.4	-41	9.17
HE20, M0 to M11 1ss	2	13	-64.7	-69.4	0.28	-50.2	-41	8.91
HE20, M0 to M11 2ss	2	13	-64.7	-69.4	0.28	-50.2	-41	8.91
HE20 Beam Forming, M0 to M11 1ss	2	13	-64.7	-69.4	0.28	-50.2	-41	8.91
HE20 Beam Forming, M0 to M11 2ss	2	13	-64.7	-69.4	0.28	-50.2	-41	8.91
HE20 STBC, M0 to M11 2ss	2	13	-64.7	-69.4	0.28	-50.2	-41	8.91

Frequency 5510 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	13	-62.2		0.23	-49.0	-41	7.72
Non HT40, 6 to 54 Mbps	2	13	-66.9	-67.4	0.23	-50.9	-41	9.65
HT/VHT40, M0 to M7	1	13	-62.3		0.39	-48.9	-41	7.66
HT/VHT40, M0 to M7	2	13	-62.2	-60.9	0.39	-45.1	-41	3.85
HT/VHT40, M8 to M15	2	13	-62.2	-60.9	0.39	-45.1	-41	3.85
HT/VHT40 Beam Forming, M0 to M7	2	13	-62.2	-60.9	0.39	-45.1	-41	3.85
HT/VHT40 Beam Forming, M8 to M15	2	13	-62.2	-60.9	0.39	-45.1	-41	3.85
HT/VHT40 STBC, M8 to M15	2	13	-62.2	-60.9	0.39	-45.1	-41	3.85
HE40, M0 to M11 1ss	1	13	-62.6		0.32	-49.3	-41	8.03
HE40, M0 to M11 1ss	2	13	-62.1	-60.7	0.32	-45.0	-41	3.76
HE40, M0 to M11 2ss	2	13	-62.1	-60.7	0.32	-45.0	-41	3.76
HE40 Beam Forming, M0 to M11 1ss	2	13	-62.1	-60.7	0.32	-45.0	-41	3.76
HE40 Beam Forming, M0 to M11 2ss	2	13	-62.1	-60.7	0.32	-45.0	-41	3.76
HE40 STBC, M0 to M11 2ss	2	13	-62.1	-60.7	0.32	-45.0	-41	3.76

Frequency 5530 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	13	-63.7		0.31	-50.4	-41	9.14
Non HT80, 6 to 54 Mbps	2	13	-63.9	-63.9	0.31	-47.6	-41	6.33
VHT80, M0 to M11 1ss	1	13	-64.6		0.62	-51.0	-41	9.73
VHT80, M0 to M11 1ss	2	13	-64.7	-64.6	0.62	-48.0	-41	6.77
VHT80, M0 to M11 2ss	2	13	-64.7	-64.6	0.62	-48.0	-41	6.77
VHT80 Beam Forming, M0 to M11 1ss	2	13	-64.7	-64.6	0.62	-48.0	-41	6.77
VHT80 Beam Forming, M0 to M11 2ss	2	13	-64.7	-64.6	0.62	-48.0	-41	6.77
VHT80 STBC, M0 to M11 2ss	2	13	-64.7	-64.6	0.62	-48.0	-41	6.77
HE80, M0 to M11 1ss	1	13	-64.4		0.35	-51.0	-41	9.8
HE80, M0 to M11 1ss	2	13	-64.5	-64.6	0.35	-48.2	-41	6.94
HE80, M0 to M11 2ss	2	13	-64.5	-64.6	0.35	-48.2	-41	6.94
HE80 Beam Forming, M0 to M11 1ss	2	13	-64.5	-64.6	0.35	-48.2	-41	6.94
HE80 Beam Forming, M0 to M11 2ss	2	13	-64.5	-64.6	0.35	-48.2	-41	6.94
HE80 STBC, M0 to M11 2ss	2	13	-64.5	-64.6	0.35	-48.2	-41	6.94

Frequency 5550 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	13	-60.9		0.23	-47.7	-41	6.42
Non HT40, 6 to 54 Mbps	2	13	-62.3	-61.3	0.23	-45.5	-41	4.28
HT/VHT40, M0 to M7	1	13	-62.6		0.39	-49.2	-41	7.96
HT/VHT40, M0 to M7	2	13	-62.2	-61.2	0.39	-45.3	-41	4.02
HT/VHT40, M8 to M15	2	13	-62.2	-61.2	0.39	-45.3	-41	4.02
HT/VHT40 Beam Forming, M0 to M7	2	13	-62.2	-61.2	0.39	-45.3	-41	4.02
HT/VHT40 Beam Forming, M8 to M15	2	13	-62.2	-61.2	0.39	-45.3	-41	4.02
HT/VHT40 STBC, M8 to M15	2	13	-62.2	-61.2	0.39	-45.3	-41	4.02
HE40, M0 to M11 1ss	1	13	-62.0		0.32	-48.7	-41	7.43
HE40, M0 to M11 1ss	2	13	-62.5	-61.0	0.32	-45.4	-41	4.1
HE40, M0 to M11 2ss	2	13	-62.5	-61.0	0.32	-45.4	-41	4.1
HE40 Beam Forming, M0 to M11 1ss	2	13	-62.5	-61.0	0.32	-45.4	-41	4.1
HE40 Beam Forming, M0 to M11 2ss	2	13	-62.5	-61.0	0.32	-45.4	-41	4.1
HE40 STBC, M0 to M11 2ss	2	13	-62.5	-61.0	0.32	-45.4	-41	4.1

Frequency 5560 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	13	-63.4		0.17	-50.2	-41	8.98
Non HT20, 6 to 54 Mbps	2	13	-63.7	-62.0	0.17	-46.6	-41	5.34
Non HT20 Beam Forming, 6 to 54 Mbps	2	13	-63.7	-62.0	0.17	-46.6	-41	5.34
HT/VHT20, M0 to M7	1	13	-63.1		0.66	-49.4	-41	8.19
HT/VHT20, M0 to M7	2	13	-63.5	-61.0	0.66	-45.4	-41	4.15
HT/VHT20, M8 to M15	2	13	-63.5	-61.0	0.66	-45.4	-41	4.15
HT/VHT20 Beam Forming, M0 to M7	2	13	-63.5	-61.0	0.66	-45.4	-41	4.15
HT/VHT20 Beam Forming, M8 to M15	2	13	-63.5	-61.0	0.66	-45.4	-41	4.15
HT/VHT20 STBC, M8 to M15	2	13	-63.5	-61.0	0.66	-45.4	-41	4.15
HE20, M0 to M11 1ss	1	13	-62.4		0.28	-49.1	-41	7.87
HE20, M0 to M11 1ss	2	13	-62.6	-62.0	0.28	-46.0	-41	4.75
HE20, M0 to M11 2ss	2	13	-62.6	-62.0	0.28	-46.0	-41	4.75
HE20 Beam Forming, M0 to M11 1ss	2	13	-62.6	-62.0	0.28	-46.0	-41	4.75
HE20 Beam Forming, M0 to M11 2ss	2	13	-62.6	-62.0	0.28	-46.0	-41	4.75
HE20 STBC, M0 to M11 2ss	2	13	-62.6	-62.0	0.28	-46.0	-41	4.75

Frequency 5610 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	13	-64.3		0.31	-51.0	-41	9.74
Non HT80, 6 to 54 Mbps	2	13	-62.6	-64.7	0.31	-47.2	-41	5.96
VHT80, M0 to M11 1ss	1	13	-64.8		0.62	-51.2	-41	9.93
VHT80, M0 to M11 1ss	2	13	-64.7	-64.4	0.62	-47.9	-41	6.67
VHT80, M0 to M11 2ss	2	13	-64.7	-64.4	0.62	-47.9	-41	6.67
VHT80 Beam Forming, M0 to M11 1ss	2	13	-64.7	-64.4	0.62	-47.9	-41	6.67
VHT80 Beam Forming, M0 to M11 2ss	2	13	-64.7	-64.4	0.62	-47.9	-41	6.67
VHT80 STBC, M0 to M11 2ss	2	13	-64.7	-64.4	0.62	-47.9	-41	6.67
HE80, M0 to M11 1ss	1	13	-64.8		0.35	-51.4	-41	10.2
HE80, M0 to M11 1ss	2	13	-64.7	-64.4	0.35	-48.2	-41	6.93
HE80, M0 to M11 2ss	2	13	-64.7	-64.4	0.35	-48.2	-41	6.93
HE80 Beam Forming, M0 to M11 1ss	2	13	-64.7	-64.4	0.35	-48.2	-41	6.93
HE80 Beam Forming, M0 to M11 2ss	2	13	-64.7	-64.4	0.35	-48.2	-41	6.93
HE80 STBC, M0 to M11 2ss	2	13	-64.7	-64.4	0.35	-48.2	-41	6.93

Frequency 5670 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	13	-62.9		0.23	-49.7	-41	8.42
Non HT40, 6 to 54 Mbps	2	13	-63.5	-61.8	0.23	-46.3	-41	5.08
HT/VHT40, M0 to M7	1	13	-63.5		0.39	-50.1	-41	8.86
HT/VHT40, M0 to M7	2	13	-63.5	-62.5	0.39	-46.6	-41	5.32
HT/VHT40, M8 to M15	2	13	-63.5	-62.5	0.39	-46.6	-41	5.32
HT/VHT40 Beam Forming, M0 to M7	2	13	-63.5	-62.5	0.39	-46.6	-41	5.32
HT/VHT40 Beam Forming, M8 to M15	2	13	-63.5	-62.5	0.39	-46.6	-41	5.32
HT/VHT40 STBC, M8 to M15	2	13	-63.5	-62.5	0.39	-46.6	-41	5.32
HE40, M0 to M11 1ss	1	13	-63.5		0.32	-50.2	-41	8.93
HE40, M0 to M11 1ss	2	13	-63.7	-61.9	0.32	-46.4	-41	5.13
HE40, M0 to M11 2ss	2	13	-63.7	-61.9	0.32	-46.4	-41	5.13
HE40 Beam Forming, M0 to M11 1ss	2	13	-63.7	-61.9	0.32	-46.4	-41	5.13
HE40 Beam Forming, M0 to M11 2ss	2	13	-63.7	-61.9	0.32	-46.4	-41	5.13
HE40 STBC, M0 to M11 2ss	2	13	-63.7	-61.9	0.32	-46.4	-41	5.13

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	13	-65.0		0.31	-51.7	-41	10.44
Non HT80, 6 to 54 Mbps	2	13	-64.4	-65.1	0.31	-48.4	-41	7.17
VHT80, M0 to M11 1ss	1	13	-65.0		0.62	-51.4	-41	10.13
VHT80, M0 to M11 1ss	2	13	-64.7	-65.5	0.62	-48.5	-41	7.2
VHT80, M0 to M11 2ss	2	13	-64.7	-65.5	0.62	-48.5	-41	7.2
VHT80 Beam Forming, M0 to M11 1ss	2	13	-64.7	-65.5	0.62	-48.5	-41	7.2
VHT80 Beam Forming, M0 to M11 2ss	2	13	-64.7	-65.5	0.62	-48.5	-41	7.2
VHT80 STBC, M0 to M11 2ss	2	13	-64.7	-65.5	0.62	-48.5	-41	7.2
HE80, M0 to M11 1ss	1	13	-64.8		0.35	-51.4	-41	10.2
HE80, M0 to M11 1ss	2	13	-64.9	-65.1	0.35	-48.6	-41	7.38
HE80, M0 to M11 2ss	2	13	-64.9	-65.1	0.35	-48.6	-41	7.38
HE80 Beam Forming, M0 to M11 1ss	2	13	-64.9	-65.1	0.35	-48.6	-41	7.38
HE80 Beam Forming, M0 to M11 2ss	2	13	-64.9	-65.1	0.35	-48.6	-41	7.38
HE80 STBC, M0 to M11 2ss	2	13	-64.9	-65.1	0.35	-48.6	-41	7.38

Frequency 5700 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	13	-63.6		0.17	-50.4	-41	9.18
Non HT20, 6 to 54 Mbps	2	13	-63.6	-61.4	0.17	-46.2	-41	4.94
Non HT20 Beam Forming, 6 to 54 Mbps	2	13	-63.6	-61.4	0.17	-46.2	-41	4.94
HT/VHT20, M0 to M7	1	13	-63.7		0.66	-50.0	-41	8.79
HT/VHT20, M0 to M7	2	13	-63.6	-61.4	0.66	-45.7	-41	4.44
HT/VHT20, M8 to M15	2	13	-63.6	-61.4	0.66	-45.7	-41	4.44
HT/VHT20 Beam Forming, M0 to M7	2	13	-63.6	-61.4	0.66	-45.7	-41	4.44
HT/VHT20 Beam Forming, M8 to M15	2	13	-63.6	-61.4	0.66	-45.7	-41	4.44
HT/VHT20 STBC, M8 to M15	2	13	-63.6	-61.4	0.66	-45.7	-41	4.44
HE20, M0 to M11 1ss	1	13	-63.4		0.28	-50.1	-41	8.87
HE20, M0 to M11 1ss	2	13	-63.1	-62.0	0.28	-46.2	-41	4.98
HE20, M0 to M11 2ss	2	13	-63.1	-62.0	0.28	-46.2	-41	4.98
HE20 Beam Forming, M0 to M11 1ss	2	13	-63.1	-62.0	0.28	-46.2	-41	4.98
HE20 Beam Forming, M0 to M11 2ss	2	13	-63.1	-62.0	0.28	-46.2	-41	4.98
HE20 STBC, M0 to M11 2ss	2	13	-63.1	-62.0	0.28	-46.2	-41	4.98

Frequency 5710 MHz

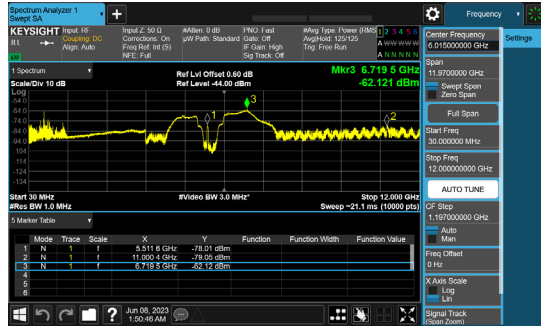
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	13	-63.5		0.23	-50.3	-41	9.02
Non HT40, 6 to 54 Mbps	2	13	-63.7	-61.6	0.23	-46.3	-41	5.03
HT/VHT40, M0 to M7	1	13	-63.2		0.39	-49.8	-41	8.56
HT/VHT40, M0 to M7	2	13	-64.2	-62.0	0.39	-46.6	-41	5.32
HT/VHT40, M8 to M15	2	13	-64.2	-62.0	0.39	-46.6	-41	5.32
HT/VHT40 Beam Forming, M0 to M7	2	13	-64.2	-62.0	0.39	-46.6	-41	5.32
HT/VHT40 Beam Forming, M8 to M15	2	13	-64.2	-62.0	0.39	-46.6	-41	5.32
HT/VHT40 STBC, M8 to M15	2	13	-64.2	-62.0	0.39	-46.6	-41	5.32
HE40, M0 to M11 1ss	1	13	-63.5		0.32	-50.2	-41	8.93
HE40, M0 to M11 1ss	2	13	-63.7	-61.3	0.32	-46.0	-41	4.75
HE40, M0 to M11 2ss	2	13	-63.7	-61.3	0.32	-46.0	-41	4.75
HE40 Beam Forming, M0 to M11 1ss	2	13	-63.7	-61.3	0.32	-46.0	-41	4.75
HE40 Beam Forming, M0 to M11 2ss	2	13	-63.7	-61.3	0.32	-46.0	-41	4.75
HE40 STBC, M0 to M11 2ss	2	13	-63.7	-61.3	0.32	-46.0	-41	4.75

Frequency 5720 MHz

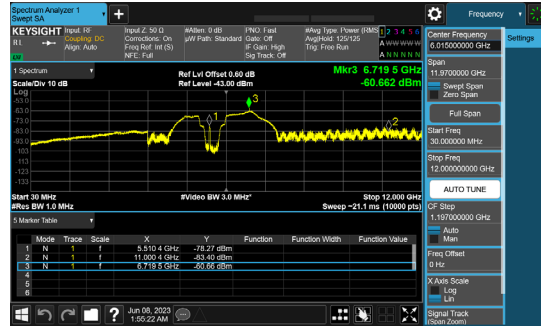
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	13	-63.4		0.17	-50.2	-41	8.98
Non HT20, 6 to 54 Mbps	2	13	-63.3	-61.8	0.17	-46.3	-41	5.06
Non HT20 Beam Forming, 6 to 54 Mbps	2	13	-63.3	-61.8	0.17	-46.3	-41	5.06
HT/VHT20, M0 to M7	1	13	-63.5		0.66	-49.8	-41	8.59
HT/VHT20, M0 to M7	2	13	-63.4	-61.8	0.66	-45.9	-41	4.61
HT/VHT20, M8 to M15	2	13	-63.4	-61.8	0.66	-45.9	-41	4.61
HT/VHT20 Beam Forming, M0 to M7	2	13	-63.4	-61.8	0.66	-45.9	-41	4.61
HT/VHT20 Beam Forming, M8 to M15	2	13	-63.4	-61.8	0.66	-45.9	-41	4.61
HT/VHT20 STBC, M8 to M15	2	13	-63.4	-61.8	0.66	-45.9	-41	4.61
HE20, M0 to M11 1ss	1	13	-63.0		0.28	-49.7	-41	8.47
HE20, M0 to M11 1ss	2	13	-62.9	-61.7	0.28	-46.0	-41	4.72
HE20, M0 to M11 2ss	2	13	-62.9	-61.7	0.28	-46.0	-41	4.72
HE20 Beam Forming, M0 to M11 1ss	2	13	-62.9	-61.7	0.28	-46.0	-41	4.72
HE20 Beam Forming, M0 to M11 2ss	2	13	-62.9	-61.7	0.28	-46.0	-41	4.72
HE20 STBC, M0 to M11 2ss	2	13	-62.9	-61.7	0.28	-46.0	-41	4.72

Data Screenshots – Antenna gain 13dBi Average

5510 MHz: HE40, M0 to M11 1ss

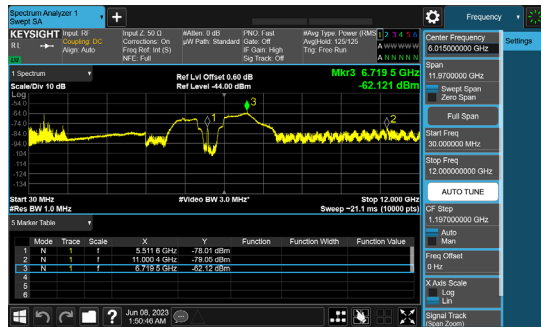


Antenna A



Antenna B

5510 MHz: HE40, M0 to M11 2ss

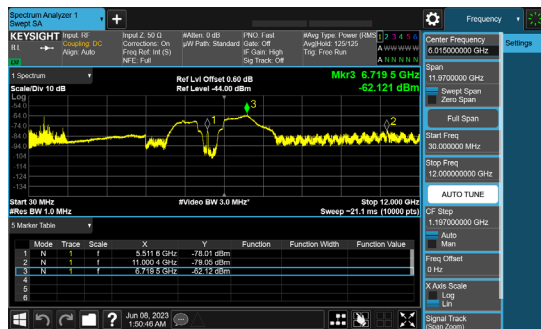


Antenna A

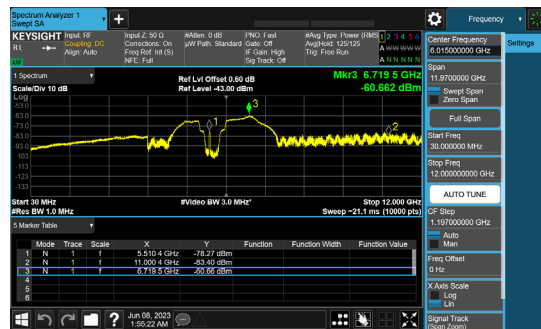


Antenna B

5510 MHz: HE40 Beam Forming, M0 to M11 1ss



Antenna A



Antenna B

Conducted Spurious Peak Table – 5G Antenna Gain 13

Frequency 5500 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	13	-56.9		0.17	-43.7	-27	16.73
Non HT20, 6 to 54 Mbps	2	13	-61.4	-60.3	0.17	-44.6	-27	17.64
Non HT20 Beam Forming, 6 to 54 Mbps	2	13	-61.4	-60.3	0.17	-44.6	-27	17.64
HT/VHT20, M0 to M7	1	13	-57.0		0.66	-43.3	-27	16.34
HT/VHT20, M0 to M7	2	13	-61.2	-60.6	0.66	-44.2	-27	17.22
HT/VHT20, M8 to M15	2	13	-61.2	-60.6	0.66	-44.2	-27	17.22
HT/VHT20 Beam Forming, M0 to M7	2	13	-61.2	-60.6	0.66	-44.2	-27	17.22
HT/VHT20 Beam Forming, M8 to M15	2	13	-61.2	-60.6	0.66	-44.2	-27	17.22
HT/VHT20 STBC, M8 to M15	2	13	-61.2	-60.6	0.66	-44.2	-27	17.22
HE20, M0 to M11 1ss	1	13	-56.6		0.28	-43.3	-27	16.32
HE20, M0 to M11 1ss	2	13	-61.5	-60.0	0.28	-44.4	-27	17.4
HE20, M0 to M11 2ss	2	13	-61.5	-60.0	0.28	-44.4	-27	17.4
HE20 Beam Forming, M0 to M11 1ss	2	13	-61.5	-60.0	0.28	-44.4	-27	17.4
HE20 Beam Forming, M0 to M11 2ss	2	13	-61.5	-60.0	0.28	-44.4	-27	17.4
HE20 STBC, M0 to M11 2ss	2	13	-61.5	-60.0	0.28	-44.4	-27	17.4

Frequency 5510 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	13	-57.6		0.23	-44.4	-27	17.37
Non HT40, 6 to 54 Mbps	2	13	-61.4	-61.0	0.23	-45.0	-27	17.96
HT/VHT40, M0 to M7	1	13	-57.0		0.39	-43.6	-27	16.61
HT/VHT40, M0 to M7	2	13	-56.9	-55.5	0.39	-39.7	-27	12.75
HT/VHT40, M8 to M15	2	13	-56.9	-55.5	0.39	-39.7	-27	12.75
HT/VHT40 Beam Forming, M0 to M7	2	13	-56.9	-55.5	0.39	-39.7	-27	12.75
HT/VHT40 Beam Forming, M8 to M15	2	13	-56.9	-55.5	0.39	-39.7	-27	12.75
HT/VHT40 STBC, M8 to M15	2	13	-56.9	-55.5	0.39	-39.7	-27	12.75
HE40, M0 to M11 1ss	1	13	-56.6		0.32	-43.3	-27	16.28
HE40, M0 to M11 1ss	2	13	-56.8	-56.6	0.32	-40.4	-27	13.37
HE40, M0 to M11 2ss	2	13	-56.8	-56.6	0.32	-40.4	-27	13.37
HE40 Beam Forming, M0 to M11 1ss	2	13	-56.8	-56.6	0.32	-40.4	-27	13.37
HE40 Beam Forming, M0 to M11 2ss	2	13	-56.8	-56.6	0.32	-40.4	-27	13.37
HE40 STBC, M0 to M11 2ss	2	13	-56.8	-56.6	0.32	-40.4	-27	13.37

Frequency 5530 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	13	-56.0		0.31	-42.7	-27	15.69
Non HT80, 6 to 54 Mbps	2	13	-57.1	-55.8	0.31	-40.1	-27	13.08
VHT80, M0 to M11 1ss	1	13	-56.6		0.62	-43.0	-27	15.98
VHT80, M0 to M11 1ss	2	13	-57.2	-56.0	0.62	-39.9	-27	12.93
VHT80, M0 to M11 2ss	2	13	-57.2	-56.0	0.62	-39.9	-27	12.93
VHT80 Beam Forming, M0 to M11 1ss	2	13	-57.2	-56.0	0.62	-39.9	-27	12.93
VHT80 Beam Forming, M0 to M11 2ss	2	13	-57.2	-56.0	0.62	-39.9	-27	12.93
VHT80 STBC, M0 to M11 2ss	2	13	-57.2	-56.0	0.62	-39.9	-27	12.93
HE80, M0 to M11 1ss	1	13	-57.1		0.35	-43.7	-27	16.75
HE80, M0 to M11 1ss	2	13	-57.4	-56.5	0.35	-40.6	-27	13.56
HE80, M0 to M11 2ss	2	13	-57.4	-56.5	0.35	-40.6	-27	13.56
HE80 Beam Forming, M0 to M11 1ss	2	13	-57.4	-56.5	0.35	-40.6	-27	13.56
HE80 Beam Forming, M0 to M11 2ss	2	13	-57.4	-56.5	0.35	-40.6	-27	13.56
HE80 STBC, M0 to M11 2ss	2	13	-57.4	-56.5	0.35	-40.6	-27	13.56

Frequency 5550 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	13	-55.9		0.23	-42.7	-27	15.67
Non HT40, 6 to 54 Mbps	2	13	-57.7	-56.6	0.23	-40.9	-27	13.87
HT/VHT40, M0 to M7	1	13	-56.8		0.39	-43.4	-27	16.41
HT/VHT40, M0 to M7	2	13	-57.5	-56.1	0.39	-40.3	-27	13.35
HT/VHT40, M8 to M15	2	13	-57.5	-56.1	0.39	-40.3	-27	13.35
HT/VHT40 Beam Forming, M0 to M7	2	13	-57.5	-56.1	0.39	-40.3	-27	13.35
HT/VHT40 Beam Forming, M8 to M15	2	13	-57.5	-56.1	0.39	-40.3	-27	13.35
HT/VHT40 STBC, M8 to M15	2	13	-57.5	-56.1	0.39	-40.3	-27	13.35
HE40, M0 to M11 1ss	1	13	-57.4		0.32	-44.1	-27	17.08
HE40, M0 to M11 1ss	2	13	-57.7	-56.2	0.32	-40.6	-27	13.55
HE40, M0 to M11 2ss	2	13	-57.7	-56.2	0.32	-40.6	-27	13.55
HE40 Beam Forming, M0 to M11 1ss	2	13	-57.7	-56.2	0.32	-40.6	-27	13.55
HE40 Beam Forming, M0 to M11 2ss	2	13	-57.7	-56.2	0.32	-40.6	-27	13.55
HE40 STBC, M0 to M11 2ss	2	13	-57.7	-56.2	0.32	-40.6	-27	13.55

Frequency 5560 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	13	-57.8		0.17	-44.6	-27	17.63
Non HT20, 6 to 54 Mbps	2	13	-57.9	-56.5	0.17	-41.0	-27	13.97
Non HT20 Beam Forming, 6 to 54 Mbps	2	13	-57.9	-56.5	0.17	-41.0	-27	13.97
HT/VHT20, M0 to M7	1	13	-57.8		0.66	-44.1	-27	17.14
HT/VHT20, M0 to M7	2	13	-57.6	-56.0	0.66	-40.1	-27	13.06
HT/VHT20, M8 to M15	2	13	-57.6	-56.0	0.66	-40.1	-27	13.06
HT/VHT20 Beam Forming, M0 to M7	2	13	-57.6	-56.0	0.66	-40.1	-27	13.06
HT/VHT20 Beam Forming, M8 to M15	2	13	-57.6	-56.0	0.66	-40.1	-27	13.06
HT/VHT20 STBC, M8 to M15	2	13	-57.6	-56.0	0.66	-40.1	-27	13.06
HE20, M0 to M11 1ss	1	13	-57.5		0.28	-44.2	-27	17.22
HE20, M0 to M11 1ss	2	13	-58.3	-56.5	0.28	-41.0	-27	14.02
HE20, M0 to M11 2ss	2	13	-58.3	-56.5	0.28	-41.0	-27	14.02
HE20 Beam Forming, M0 to M11 1ss	2	13	-58.3	-56.5	0.28	-41.0	-27	14.02
HE20 Beam Forming, M0 to M11 2ss	2	13	-58.3	-56.5	0.28	-41.0	-27	14.02
HE20 STBC, M0 to M11 2ss	2	13	-58.3	-56.5	0.28	-41.0	-27	14.02

Frequency 5610 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	13	-57.1		0.31	-43.8	-27	16.79
Non HT80, 6 to 54 Mbps	2	13	-57.9	-56.7	0.31	-40.9	-27	13.94
VHT80, M0 to M11 1ss	1	13	-57.4		0.62	-43.8	-27	16.78
VHT80, M0 to M11 1ss	2	13	-57.4	-56.2	0.62	-40.1	-27	13.13
VHT80, M0 to M11 2ss	2	13	-57.4	-56.2	0.62	-40.1	-27	13.13
VHT80 Beam Forming, M0 to M11 1ss	2	13	-57.4	-56.2	0.62	-40.1	-27	13.13
VHT80 Beam Forming, M0 to M11 2ss	2	13	-57.4	-56.2	0.62	-40.1	-27	13.13
VHT80 STBC, M0 to M11 2ss	2	13	-57.4	-56.2	0.62	-40.1	-27	13.13
HE80, M0 to M11 1ss	1	13	-57.8		0.35	-44.4	-27	17.45
HE80, M0 to M11 1ss	2	13	-57.8	-56.3	0.35	-40.6	-27	13.62
HE80, M0 to M11 2ss	2	13	-57.8	-56.3	0.35	-40.6	-27	13.62
HE80 Beam Forming, M0 to M11 1ss	2	13	-57.8	-56.3	0.35	-40.6	-27	13.62
HE80 Beam Forming, M0 to M11 2ss	2	13	-57.8	-56.3	0.35	-40.6	-27	13.62
HE80 STBC, M0 to M11 2ss	2	13	-57.8	-56.3	0.35	-40.6	-27	13.62

Frequency 5670 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	13	-57.6		0.23	-44.4	-27	17.37
Non HT40, 6 to 54 Mbps	2	13	-57.5	-57.0	0.23	-41.0	-27	14.0
HT/VHT40, M0 to M7	1	13	-58.0		0.39	-44.6	-27	17.61
HT/VHT40, M0 to M7	2	13	-56.8	-56.0	0.39	-40.0	-27	12.98
HT/VHT40, M8 to M15	2	13	-56.8	-56.0	0.39	-40.0	-27	12.98
HT/VHT40 Beam Forming, M0 to M7	2	13	-56.8	-56.0	0.39	-40.0	-27	12.98
HT/VHT40 Beam Forming, M8 to M15	2	13	-56.8	-56.0	0.39	-40.0	-27	12.98
HT/VHT40 STBC, M8 to M15	2	13	-56.8	-56.0	0.39	-40.0	-27	12.98
HE40, M0 to M11 1ss	1	13	-57.5		0.32	-44.2	-27	17.18
HE40, M0 to M11 1ss	2	13	-58.2	-56.6	0.32	-41.0	-27	14.0
HE40, M0 to M11 2ss	2	13	-58.2	-56.6	0.32	-41.0	-27	14.0
HE40 Beam Forming, M0 to M11 1ss	2	13	-58.2	-56.6	0.32	-41.0	-27	14.0
HE40 Beam Forming, M0 to M11 2ss	2	13	-58.2	-56.6	0.32	-41.0	-27	14.0
HE40 STBC, M0 to M11 2ss	2	13	-58.2	-56.6	0.32	-41.0	-27	14.0

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	13	-57.2		0.31	-43.9	-27	16.89
Non HT80, 6 to 54 Mbps	2	13	-57.8	-55.7	0.31	-40.3	-27	13.31
VHT80, M0 to M11 1ss	1	13	-57.2		0.62	-43.6	-27	16.58
VHT80, M0 to M11 1ss	2	13	-57.3	-56.8	0.62	-40.4	-27	13.41
VHT80, M0 to M11 2ss	2	13	-57.3	-56.8	0.62	-40.4	-27	13.41
VHT80 Beam Forming, M0 to M11 1ss	2	13	-57.3	-56.8	0.62	-40.4	-27	13.41
VHT80 Beam Forming, M0 to M11 2ss	2	13	-57.3	-56.8	0.62	-40.4	-27	13.41
VHT80 STBC, M0 to M11 2ss	2	13	-57.3	-56.8	0.62	-40.4	-27	13.41
HE80, M0 to M11 1ss	1	13	-57.0		0.35	-43.6	-27	16.65
HE80, M0 to M11 1ss	2	13	-58.3	-57.5	0.35	-41.5	-27	14.52
HE80, M0 to M11 2ss	2	13	-58.3	-57.5	0.35	-41.5	-27	14.52
HE80 Beam Forming, M0 to M11 1ss	2	13	-58.3	-57.5	0.35	-41.5	-27	14.52
HE80 Beam Forming, M0 to M11 2ss	2	13	-58.3	-57.5	0.35	-41.5	-27	14.52
HE80 STBC, M0 to M11 2ss	2	13	-58.3	-57.5	0.35	-41.5	-27	14.52

Frequency 5700 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	13	-56.8		0.17	-43.6	-27	16.63
Non HT20, 6 to 54 Mbps	2	13	-58.0	-55.8	0.17	-40.6	-27	13.59
Non HT20 Beam Forming, 6 to 54 Mbps	2	13	-58.0	-55.8	0.17	-40.6	-27	13.59
HT/VHT20, M0 to M7	1	13	-57.6		0.66	-43.9	-27	16.94
HT/VHT20, M0 to M7	2	13	-57.3	-56.0	0.66	-39.9	-27	12.93
HT/VHT20, M8 to M15	2	13	-57.3	-56.0	0.66	-39.9	-27	12.93
HT/VHT20 Beam Forming, M0 to M7	2	13	-57.3	-56.0	0.66	-39.9	-27	12.93
HT/VHT20 Beam Forming, M8 to M15	2	13	-57.3	-56.0	0.66	-39.9	-27	12.93
HT/VHT20 STBC, M8 to M15	2	13	-57.3	-56.0	0.66	-39.9	-27	12.93
HE20, M0 to M11 1ss	1	13	-57.7		0.28	-44.4	-27	17.42
HE20, M0 to M11 1ss	2	13	-57.2	-56.8	0.28	-40.7	-27	13.71
HE20, M0 to M11 2ss	2	13	-57.2	-56.8	0.28	-40.7	-27	13.71
HE20 Beam Forming, M0 to M11 1ss	2	13	-57.2	-56.8	0.28	-40.7	-27	13.71
HE20 Beam Forming, M0 to M11 2ss	2	13	-57.2	-56.8	0.28	-40.7	-27	13.71
HE20 STBC, M0 to M11 2ss	2	13	-57.2	-56.8	0.28	-40.7	-27	13.71

Frequency 5710 MHz

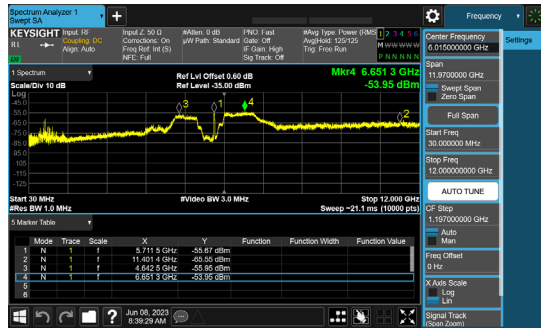
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	13	-54.6		0.23	-41.4	-27	14.37
Non HT40, 6 to 54 Mbps	2	13	-57.4	-56.1	0.23	-40.5	-27	13.46
HT/VHT40, M0 to M7	1	13	-56.9		0.39	-43.5	-27	16.51
HT/VHT40, M0 to M7	2	13	-57.1	-56.8	0.39	-40.6	-27	13.55
HT/VHT40, M8 to M15	2	13	-57.1	-56.8	0.39	-40.6	-27	13.55
HT/VHT40 Beam Forming, M0 to M7	2	13	-57.1	-56.8	0.39	-40.6	-27	13.55
HT/VHT40 Beam Forming, M8 to M15	2	13	-57.1	-56.8	0.39	-40.6	-27	13.55
HT/VHT40 STBC, M8 to M15	2	13	-57.1	-56.8	0.39	-40.6	-27	13.55
HE40, M0 to M11 1ss	1	13	-56.0		0.32	-42.7	-27	15.68
HE40, M0 to M11 1ss	2	13	-56.0	-56.1	0.32	-39.7	-27	12.72
HE40, M0 to M11 2ss	2	13	-56.0	-56.1	0.32	-39.7	-27	12.72
HE40 Beam Forming, M0 to M11 1ss	2	13	-56.0	-56.1	0.32	-39.7	-27	12.72
HE40 Beam Forming, M0 to M11 2ss	2	13	-56.0	-56.1	0.32	-39.7	-27	12.72
HE40 STBC, M0 to M11 2ss	2	13	-56.0	-56.1	0.32	-39.7	-27	12.72

Frequency 5720 MHz

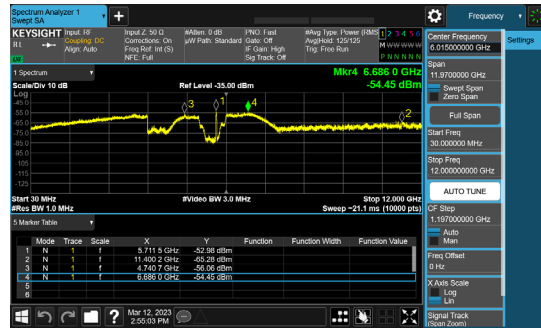
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	13	-56.7		0.17	-43.5	-27	16.53
Non HT20, 6 to 54 Mbps	2	13	-56.4	-56.5	0.17	-40.3	-27	13.27
Non HT20 Beam Forming, 6 to 54 Mbps	2	13	-56.4	-56.5	0.17	-40.3	-27	13.27
HT/VHT20, M0 to M7	1	13	-56.5		0.66	-42.8	-27	15.84
HT/VHT20, M0 to M7	2	13	-57.4	-56.7	0.66	-40.4	-27	13.37
HT/VHT20, M8 to M15	2	13	-57.4	-56.7	0.66	-40.4	-27	13.37
HT/VHT20 Beam Forming, M0 to M7	2	13	-57.4	-56.7	0.66	-40.4	-27	13.37
HT/VHT20 Beam Forming, M8 to M15	2	13	-57.4	-56.7	0.66	-40.4	-27	13.37
HT/VHT20 STBC, M8 to M15	2	13	-57.4	-56.7	0.66	-40.4	-27	13.37
HE20, M0 to M11 1ss	1	13	-56.5		0.28	-43.2	-27	16.22
HE20, M0 to M11 1ss	2	13	-56.9	-56.3	0.28	-40.3	-27	13.3
HE20, M0 to M11 2ss	2	13	-56.9	-56.3	0.28	-40.3	-27	13.3
HE20 Beam Forming, M0 to M11 1ss	2	13	-56.9	-56.3	0.28	-40.3	-27	13.3
HE20 Beam Forming, M0 to M11 2ss	2	13	-56.9	-56.3	0.28	-40.3	-27	13.3
HE20 STBC, M0 to M11 2ss	2	13	-56.9	-56.3	0.28	-40.3	-27	13.3

Data Screenshots – Antenna gain Peak 13dBt

5710 MHz: HE40, M0 to M11 1ss

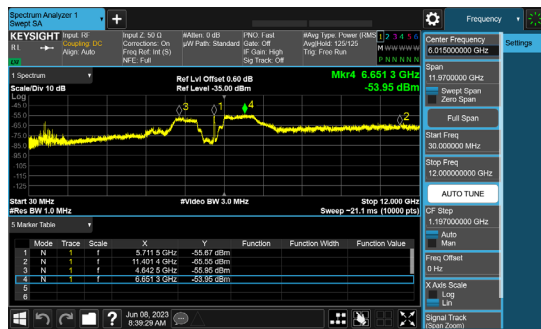


Antenna A

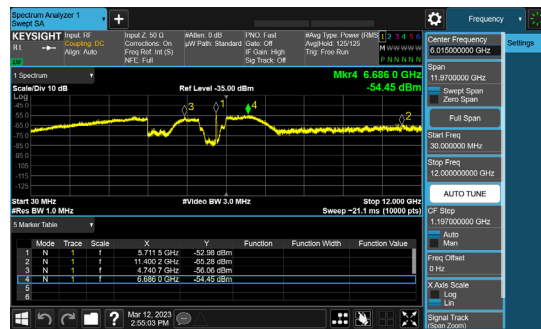


Antenna B

5710 MHz: HE40, M0 to M11 2ss

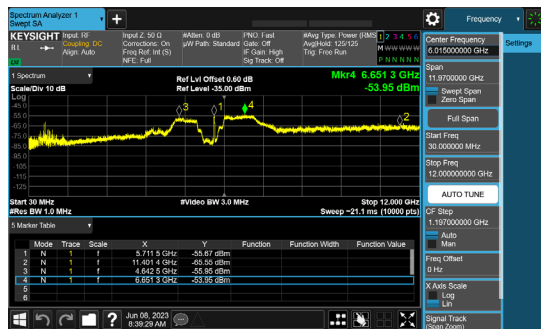


Antenna A

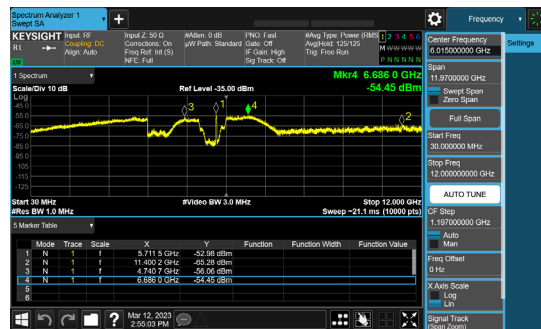


Antenna B

5710 MHz: HE40 Beam Forming, M0 to M11 1ss



Antenna A



Antenna B

Conducted Spurious Average Table – 5G Antenna Gain 15**Frequency 5500 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	-66.9		0.17	-51.7	-41	10.48
Non HT20, 6 to 54 Mbps	2	15	-67.2	-69.2	0.17	-49.9	-41	8.66
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-67.2	-69.2	0.17	-49.9	-41	8.66
HT/VHT20, M0 to M7	1	15	-66.8		0.66	-51.1	-41	9.89
HT/VHT20, M0 to M7	2	15	-66.9	-69.5	0.66	-49.3	-41	8.09
HT/VHT20, M8 to M15	2	15	-66.9	-69.5	0.66	-49.3	-41	8.09
HT/VHT20 Beam Forming, M0 to M7	2	15	-66.9	-69.5	0.66	-49.3	-41	8.09
HT/VHT20 Beam Forming, M8 to M15	2	15	-66.9	-69.5	0.66	-49.3	-41	8.09
HT/VHT20 STBC, M8 to M15	2	15	-66.9	-69.5	0.66	-49.3	-41	8.09
HE20, M0 to M11 1ss	1	15	-64.8		0.28	-49.5	-41	8.27
HE20, M0 to M11 1ss	2	15	-64.8	-69.7	0.28	-48.3	-41	7.06
HE20, M0 to M11 2ss	2	15	-64.8	-69.7	0.28	-48.3	-41	7.06
HE20 Beam Forming, M0 to M11 1ss	2	15	-64.8	-69.7	0.28	-48.3	-41	7.06
HE20 Beam Forming, M0 to M11 2ss	2	15	-64.8	-69.7	0.28	-48.3	-41	7.06
HE20 STBC, M0 to M11 2ss	2	15	-64.8	-69.7	0.28	-48.3	-41	7.06

Frequency 5510 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	-62.2		0.23	-47.0	-41	5.72
Non HT40, 6 to 54 Mbps	2	15	-66.9	-67.4	0.23	-48.9	-41	7.65
HT/VHT40, M0 to M7	1	15	-62.3		0.39	-46.9	-41	5.66
HT/VHT40, M0 to M7	2	15	-63.1	-60.6	0.39	-43.3	-41	2.03
HT/VHT40, M8 to M15	2	15	-63.1	-60.6	0.39	-43.3	-41	2.03
HT/VHT40 Beam Forming, M0 to M7	2	15	-63.1	-60.6	0.39	-43.3	-41	2.03
HT/VHT40 Beam Forming, M8 to M15	2	15	-63.1	-60.6	0.39	-43.3	-41	2.03
HT/VHT40 STBC, M8 to M15	2	15	-63.1	-60.6	0.39	-43.3	-41	2.03
HE40, M0 to M11 1ss	1	15	-62.1		0.32	-46.8	-41	5.53
HE40, M0 to M11 1ss	2	15	-62.5	-61.0	0.32	-43.4	-41	2.1
HE40, M0 to M11 2ss	2	15	-62.5	-61.0	0.32	-43.4	-41	2.1
HE40 Beam Forming, M0 to M11 1ss	2	15	-62.5	-61.0	0.32	-43.4	-41	2.1
HE40 Beam Forming, M0 to M11 2ss	2	15	-62.5	-61.0	0.32	-43.4	-41	2.1
HE40 STBC, M0 to M11 2ss	2	15	-62.5	-61.0	0.32	-43.4	-41	2.1

Frequency 5530 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	-63.9		0.31	-48.6	-41	7.34
Non HT80, 6 to 54 Mbps	2	15	-66.9	-69.6	0.31	-49.7	-41	8.48
VHT80, M0 to M11 1ss	1	15	-64.7		0.62	-49.1	-41	7.83
VHT80, M0 to M11 1ss	2	15	-64.8	-69.9	0.62	-48.0	-41	6.76
VHT80, M0 to M11 2ss	2	15	-64.8	-69.9	0.62	-48.0	-41	6.76
VHT80 Beam Forming, M0 to M11 1ss	2	15	-64.8	-69.9	0.62	-48.0	-41	6.76
VHT80 Beam Forming, M0 to M11 2ss	2	15	-64.8	-69.9	0.62	-48.0	-41	6.76
VHT80 STBC, M0 to M11 2ss	2	15	-64.8	-69.9	0.62	-48.0	-41	6.76
HE80, M0 to M11 1ss	1	15	-64.5		0.35	-49.1	-41	7.9
HE80, M0 to M11 1ss	2	15	-64.5	-64.6	0.35	-46.2	-41	4.94
HE80, M0 to M11 2ss	2	15	-64.5	-64.6	0.35	-46.2	-41	4.94
HE80 Beam Forming, M0 to M11 1ss	2	15	-64.5	-64.6	0.35	-46.2	-41	4.94
HE80 Beam Forming, M0 to M11 2ss	2	15	-64.5	-64.6	0.35	-46.2	-41	4.94
HE80 STBC, M0 to M11 2ss	2	15	-64.5	-64.6	0.35	-46.2	-41	4.94

Frequency 5550 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	-62.2		0.23	-47.0	-41	5.72
Non HT40, 6 to 54 Mbps	2	15	-62.5	-61.5	0.23	-43.7	-41	2.48
HT/VHT40, M0 to M7	1	15	-62.6		0.39	-47.2	-41	5.96
HT/VHT40, M0 to M7	2	15	-62.8	-61.2	0.39	-43.5	-41	2.28
HT/VHT40, M8 to M15	2	15	-62.8	-61.2	0.39	-43.5	-41	2.28
HT/VHT40 Beam Forming, M0 to M7	2	15	-62.8	-61.2	0.39	-43.5	-41	2.28
HT/VHT40 Beam Forming, M8 to M15	2	15	-62.8	-61.2	0.39	-43.5	-41	2.28
HT/VHT40 STBC, M8 to M15	2	15	-62.8	-61.2	0.39	-43.5	-41	2.28
HE40, M0 to M11 1ss	1	15	-62.4		0.32	-47.1	-41	5.83
HE40, M0 to M11 1ss	2	15	-62.2	-61.1	0.32	-43.3	-41	2.03
HE40, M0 to M11 2ss	2	15	-62.2	-61.1	0.32	-43.3	-41	2.03
HE40 Beam Forming, M0 to M11 1ss	2	15	-62.2	-61.1	0.32	-43.3	-41	2.03
HE40 Beam Forming, M0 to M11 2ss	2	15	-62.2	-61.1	0.32	-43.3	-41	2.03
HE40 STBC, M0 to M11 2ss	2	15	-62.2	-61.1	0.32	-43.3	-41	2.03

Frequency 5560 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	-63.2		0.17	-48.0	-41	6.78
Non HT20, 6 to 54 Mbps	2	15	-67.6	-61.7	0.17	-45.5	-41	4.29
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-67.6	-61.7	0.17	-45.5	-41	4.29
HT/VHT20, M0 to M7	1	15	-63.3		0.66	-47.6	-41	6.39
HT/VHT20, M0 to M7	2	15	-67.6	-61.9	0.66	-45.2	-41	3.95
HT/VHT20, M8 to M15	2	15	-67.6	-61.9	0.66	-45.2	-41	3.95
HT/VHT20 Beam Forming, M0 to M7	2	15	-67.6	-61.9	0.66	-45.2	-41	3.95
HT/VHT20 Beam Forming, M8 to M15	2	15	-67.6	-61.9	0.66	-45.2	-41	3.95
HT/VHT20 STBC, M8 to M15	2	15	-67.6	-61.9	0.66	-45.2	-41	3.95
HE20, M0 to M11 1ss	1	15	-62.5		0.28	-47.2	-41	5.97
HE20, M0 to M11 1ss	2	15	-62.5	-61.1	0.28	-43.5	-41	2.21
HE20, M0 to M11 2ss	2	15	-62.5	-61.1	0.28	-43.5	-41	2.21
HE20 Beam Forming, M0 to M11 1ss	2	15	-62.5	-61.1	0.28	-43.5	-41	2.21
HE20 Beam Forming, M0 to M11 2ss	2	15	-62.5	-61.1	0.28	-43.5	-41	2.21
HE20 STBC, M0 to M11 2ss	2	15	-62.5	-61.1	0.28	-43.5	-41	2.21

Frequency 5610 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	-62.5		0.31	-47.2	-41	5.94
Non HT80, 6 to 54 Mbps	2	15	-62.4	-65.1	0.31	-45.2	-41	3.98
VHT80, M0 to M11 1ss	1	15	-64.6		0.62	-49.0	-41	7.73
VHT80, M0 to M11 1ss	2	15	-64.6	-64.7	0.62	-46.0	-41	4.77
VHT80, M0 to M11 2ss	2	15	-64.6	-64.7	0.62	-46.0	-41	4.77
VHT80 Beam Forming, M0 to M11 1ss	2	15	-64.6	-64.7	0.62	-46.0	-41	4.77
VHT80 Beam Forming, M0 to M11 2ss	2	15	-64.6	-64.7	0.62	-46.0	-41	4.77
VHT80 STBC, M0 to M11 2ss	2	15	-64.6	-64.7	0.62	-46.0	-41	4.77
HE80, M0 to M11 1ss	1	15	-64.7		0.35	-49.3	-41	8.1
HE80, M0 to M11 1ss	2	15	-64.6	-64.9	0.35	-46.4	-41	5.13
HE80, M0 to M11 2ss	2	15	-64.6	-64.9	0.35	-46.4	-41	5.13
HE80 Beam Forming, M0 to M11 1ss	2	15	-64.6	-64.9	0.35	-46.4	-41	5.13
HE80 Beam Forming, M0 to M11 2ss	2	15	-64.6	-64.9	0.35	-46.4	-41	5.13
HE80 STBC, M0 to M11 2ss	2	15	-64.6	-64.9	0.35	-46.4	-41	5.13

Frequency 5670 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	-63.5		0.23	-48.3	-41	7.02
Non HT40, 6 to 54 Mbps	2	15	-63.5	-61.8	0.23	-44.3	-41	3.08
HT/VHT40, M0 to M7	1	15	-63.3		0.39	-47.9	-41	6.66
HT/VHT40, M0 to M7	2	15	-63.8	-61.6	0.39	-44.2	-41	2.92
HT/VHT40, M8 to M15	2	15	-63.8	-61.6	0.39	-44.2	-41	2.92
HT/VHT40 Beam Forming, M0 to M7	2	15	-63.8	-61.6	0.39	-44.2	-41	2.92
HT/VHT40 Beam Forming, M8 to M15	2	15	-63.8	-61.6	0.39	-44.2	-41	2.92
HT/VHT40 STBC, M8 to M15	2	15	-63.8	-61.6	0.39	-44.2	-41	2.92
HE40, M0 to M11 1ss	1	15	-63.5		0.32	-48.2	-41	6.93
HE40, M0 to M11 1ss	2	15	-63.9	-62.0	0.32	-44.5	-41	3.27
HE40, M0 to M11 2ss	2	15	-63.9	-62.0	0.32	-44.5	-41	3.27
HE40 Beam Forming, M0 to M11 1ss	2	15	-63.9	-62.0	0.32	-44.5	-41	3.27
HE40 Beam Forming, M0 to M11 2ss	2	15	-63.9	-62.0	0.32	-44.5	-41	3.27
HE40 STBC, M0 to M11 2ss	2	15	-63.9	-62.0	0.32	-44.5	-41	3.27

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	-64.8		0.31	-49.5	-41	8.24
Non HT80, 6 to 54 Mbps	2	15	-65.0	-65.4	0.31	-46.9	-41	5.63
VHT80, M0 to M11 1ss	1	15	-64.7		0.62	-49.1	-41	7.83
VHT80, M0 to M11 1ss	2	15	-65.1	-65.6	0.62	-46.7	-41	5.46
VHT80, M0 to M11 2ss	2	15	-65.1	-65.6	0.62	-46.7	-41	5.46
VHT80 Beam Forming, M0 to M11 1ss	2	15	-65.1	-65.6	0.62	-46.7	-41	5.46
VHT80 Beam Forming, M0 to M11 2ss	2	15	-65.1	-65.6	0.62	-46.7	-41	5.46
VHT80 STBC, M0 to M11 2ss	2	15	-65.1	-65.6	0.62	-46.7	-41	5.46
HE80, M0 to M11 1ss	1	15	-64.9		0.35	-49.5	-41	8.3
HE80, M0 to M11 1ss	2	15	-64.4	-65.3	0.35	-46.5	-41	5.21
HE80, M0 to M11 2ss	2	15	-64.4	-65.3	0.35	-46.5	-41	5.21
HE80 Beam Forming, M0 to M11 1ss	2	15	-64.4	-65.3	0.35	-46.5	-41	5.21
HE80 Beam Forming, M0 to M11 2ss	2	15	-64.4	-65.3	0.35	-46.5	-41	5.21
HE80 STBC, M0 to M11 2ss	2	15	-64.4	-65.3	0.35	-46.5	-41	5.21

Frequency 5700 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	-63.6		0.17	-48.4	-41	7.18
Non HT20, 6 to 54 Mbps	2	15	-67.4	-70.9	0.17	-50.6	-41	9.38
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-67.4	-70.9	0.17	-50.6	-41	9.38
HT/VHT20, M0 to M7	1	15	-63.7		0.66	-48.0	-41	6.79
HT/VHT20, M0 to M7	2	15	-67.7	-61.8	0.66	-45.1	-41	3.9
HT/VHT20, M8 to M15	2	15	-67.7	-61.8	0.66	-45.1	-41	3.9
HT/VHT20 Beam Forming, M0 to M7	2	15	-67.7	-61.8	0.66	-45.1	-41	3.9
HT/VHT20 Beam Forming, M8 to M15	2	15	-67.7	-61.8	0.66	-45.1	-41	3.9
HT/VHT20 STBC, M8 to M15	2	15	-67.7	-61.8	0.66	-45.1	-41	3.9
HE20, M0 to M11 1ss	1	15	-63.1		0.28	-47.8	-41	6.57
HE20, M0 to M11 1ss	2	15	-67.5	-70.9	0.28	-50.6	-41	9.34
HE20, M0 to M11 2ss	2	15	-67.5	-70.9	0.28	-50.6	-41	9.34
HE20 Beam Forming, M0 to M11 1ss	2	15	-67.5	-70.9	0.28	-50.6	-41	9.34
HE20 Beam Forming, M0 to M11 2ss	2	15	-67.5	-70.9	0.28	-50.6	-41	9.34
HE20 STBC, M0 to M11 2ss	2	15	-67.5	-70.9	0.28	-50.6	-41	9.34

Frequency 5710 MHz

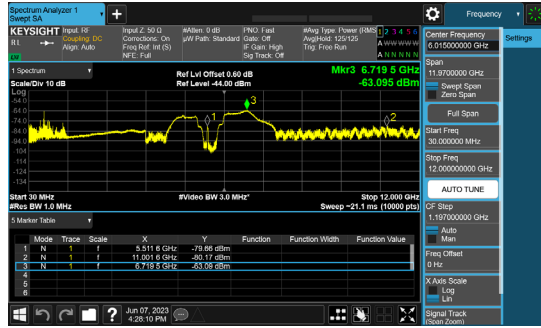
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	15	-63.7		0.23	-48.5	-41	7.22
Non HT40, 6 to 54 Mbps	2	15	-63.7	-61.8	0.23	-44.4	-41	3.16
HT/VHT40, M0 to M7	1	15	-62.9		0.39	-47.5	-41	6.26
HT/VHT40, M0 to M7	2	15	-63.3	-61.9	0.39	-44.1	-41	2.9
HT/VHT40, M8 to M15	2	15	-63.3	-61.9	0.39	-44.1	-41	2.9
HT/VHT40 Beam Forming, M0 to M7	2	15	-63.3	-61.9	0.39	-44.1	-41	2.9
HT/VHT40 Beam Forming, M8 to M15	2	15	-63.3	-61.9	0.39	-44.1	-41	2.9
HT/VHT40 STBC, M8 to M15	2	15	-63.3	-61.9	0.39	-44.1	-41	2.9
HE40, M0 to M11 1ss	1	15	-63.6		0.32	-48.3	-41	7.03
HE40, M0 to M11 1ss	2	15	-67.2	-61.7	0.32	-45.3	-41	4.05
HE40, M0 to M11 2ss	2	15	-67.2	-61.7	0.32	-45.3	-41	4.05
HE40 Beam Forming, M0 to M11 1ss	2	15	-67.2	-61.7	0.32	-45.3	-41	4.05
HE40 Beam Forming, M0 to M11 2ss	2	15	-67.2	-61.7	0.32	-45.3	-41	4.05
HE40 STBC, M0 to M11 2ss	2	15	-67.2	-61.7	0.32	-45.3	-41	4.05

Frequency 5720 MHz

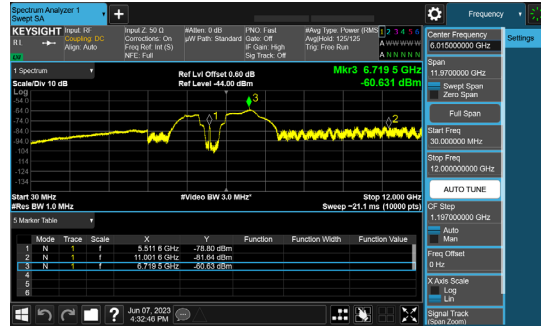
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	15	-63.1		0.17	-47.9	-41	6.68
Non HT20, 6 to 54 Mbps	2	15	-66.9	-70.4	0.17	-50.1	-41	8.88
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-66.9	-70.4	0.17	-50.1	-41	8.88
HT/VHT20, M0 to M7	1	15	-63.3		0.66	-47.6	-41	6.39
HT/VHT20, M0 to M7	2	15	-67.1	-70.2	0.66	-49.7	-41	8.46
HT/VHT20, M8 to M15	2	15	-67.1	-70.2	0.66	-49.7	-41	8.46
HT/VHT20 Beam Forming, M0 to M7	2	15	-67.1	-70.2	0.66	-49.7	-41	8.46
HT/VHT20 Beam Forming, M8 to M15	2	15	-67.1	-70.2	0.66	-49.7	-41	8.46
HT/VHT20 STBC, M8 to M15	2	15	-67.1	-70.2	0.66	-49.7	-41	8.46
HE20, M0 to M11 1ss	1	15	-62.9		0.28	-47.6	-41	6.37
HE20, M0 to M11 1ss	2	15	-63.1	-70.8	0.28	-47.1	-41	5.89
HE20, M0 to M11 2ss	2	15	-63.1	-70.8	0.28	-47.1	-41	5.89
HE20 Beam Forming, M0 to M11 1ss	2	15	-63.1	-70.8	0.28	-47.1	-41	5.89
HE20 Beam Forming, M0 to M11 2ss	2	15	-63.1	-70.8	0.28	-47.1	-41	5.89
HE20 STBC, M0 to M11 2ss	2	15	-63.1	-70.8	0.28	-47.1	-41	5.89

Data Screenshots – Antenna gain 15dBi Average

5510 MHz: HT/VHT40, M0 to M7

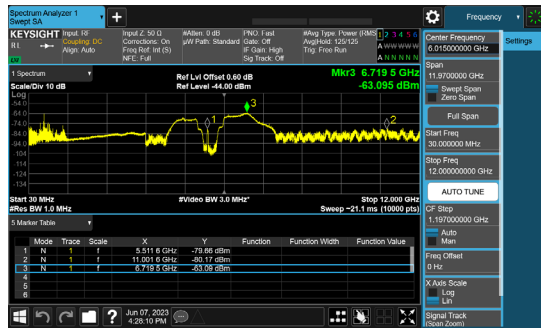


Antenna A

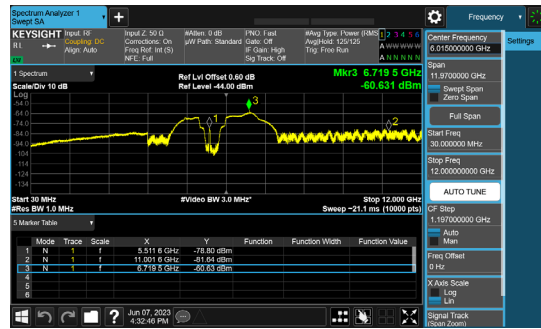


Antenna B

5510 MHz: HT/VHT40, M8 to M15

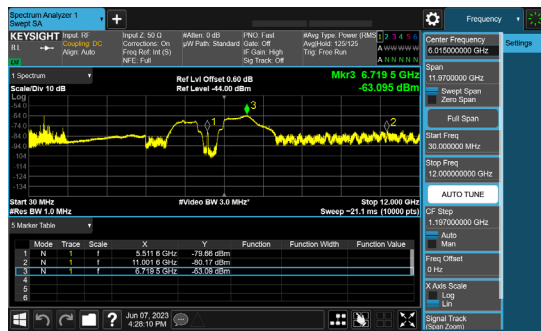


Antenna A



Antenna B

5510 MHz: HT/VHT40 Beam Forming, M0 to M7



Antenna A



Antenna B

Conducted Spurious Peak Table – 5G Antenna Gain 15

Frequency 5500 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	-61.0		0.17	-45.8	-27	18.83
Non HT20, 6 to 54 Mbps	2	15	-61.6	-61.3	0.17	-43.3	-27	16.27
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-61.6	-61.3	0.17	-43.3	-27	16.27
HT/VHT20, M0 to M7	1	15	-61.1		0.66	-45.4	-27	18.44
HT/VHT20, M0 to M7	2	15	-61.0	-60.2	0.66	-41.9	-27	14.91
HT/VHT20, M8 to M15	2	15	-61.0	-60.2	0.66	-41.9	-27	14.91
HT/VHT20 Beam Forming, M0 to M7	2	15	-61.0	-60.2	0.66	-41.9	-27	14.91
HT/VHT20 Beam Forming, M8 to M15	2	15	-61.0	-60.2	0.66	-41.9	-27	14.91
HT/VHT20 STBC, M8 to M15	2	15	-61.0	-60.2	0.66	-41.9	-27	14.91
HE20, M0 to M11 1ss	1	15	-60.0		0.28	-44.7	-27	17.72
HE20, M0 to M11 1ss	2	15	-61.4	-60.8	0.28	-42.8	-27	15.8
HE20, M0 to M11 2ss	2	15	-61.4	-60.8	0.28	-42.8	-27	15.8
HE20 Beam Forming, M0 to M11 1ss	2	15	-61.4	-60.8	0.28	-42.8	-27	15.8
HE20 Beam Forming, M0 to M11 2ss	2	15	-61.4	-60.8	0.28	-42.8	-27	15.8
HE20 STBC, M0 to M11 2ss	2	15	-61.4	-60.8	0.28	-42.8	-27	15.8

Frequency 5510 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	-57.6		0.23	-42.4	-27	15.37
Non HT40, 6 to 54 Mbps	2	15	-61.4	-61.0	0.23	-43.0	-27	15.96
HT/VHT40, M0 to M7	1	15	-57.0		0.39	-41.6	-27	14.61
HT/VHT40, M0 to M7	2	15	-57.3	-56.3	0.39	-38.4	-27	11.37
HT/VHT40, M8 to M15	2	15	-57.3	-56.3	0.39	-38.4	-27	11.37
HT/VHT40 Beam Forming, M0 to M7	2	15	-57.3	-56.3	0.39	-38.4	-27	11.37
HT/VHT40 Beam Forming, M8 to M15	2	15	-57.3	-56.3	0.39	-38.4	-27	11.37
HT/VHT40 STBC, M8 to M15	2	15	-57.3	-56.3	0.39	-38.4	-27	11.37
HE40, M0 to M11 1ss	1	15	-56.8		0.32	-41.5	-27	14.48
HE40, M0 to M11 1ss	2	15	-56.9	-56.9	0.32	-38.6	-27	11.57
HE40, M0 to M11 2ss	2	15	-56.9	-56.9	0.32	-38.6	-27	11.57
HE40 Beam Forming, M0 to M11 1ss	2	15	-56.9	-56.9	0.32	-38.6	-27	11.57
HE40 Beam Forming, M0 to M11 2ss	2	15	-56.9	-56.9	0.32	-38.6	-27	11.57

HE40 STBC, M0 to M11 2ss	2	15	-56.9	-56.9	0.32	-38.6	-27	11.57
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Frequency 5530 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	-57.5		0.31	-42.2	-27	15.19
Non HT80, 6 to 54 Mbps	2	15	-61.1	-60.7	0.31	-42.6	-27	15.58
VHT80, M0 to M11 1ss	1	15	-57.2		0.62	-41.6	-27	14.58
VHT80, M0 to M11 1ss	2	15	-61.3	-60.6	0.62	-42.3	-27	15.31
VHT80, M0 to M11 2ss	2	15	-61.3	-60.6	0.62	-42.3	-27	15.31
VHT80 Beam Forming, M0 to M11 1ss	2	15	-61.3	-60.6	0.62	-42.3	-27	15.31
VHT80 Beam Forming, M0 to M11 2ss	2	15	-61.3	-60.6	0.62	-42.3	-27	15.31
VHT80 STBC, M0 to M11 2ss	2	15	-61.3	-60.6	0.62	-42.3	-27	15.31
HE80, M0 to M11 1ss	1	15	-57.4		0.35	-42.0	-27	15.05
HE80, M0 to M11 1ss	2	15	-57.4	-56.5	0.35	-38.6	-27	11.56
HE80, M0 to M11 2ss	2	15	-57.4	-56.5	0.35	-38.6	-27	11.56
HE80 Beam Forming, M0 to M11 1ss	2	15	-57.4	-56.5	0.35	-38.6	-27	11.56
HE80 Beam Forming, M0 to M11 2ss	2	15	-57.4	-56.5	0.35	-38.6	-27	11.56
HE80 STBC, M0 to M11 2ss	2	15	-57.4	-56.5	0.35	-38.6	-27	11.56

Frequency 5550 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	-58.0		0.23	-42.8	-27	15.77
Non HT40, 6 to 54 Mbps	2	15	-57.2	-56.9	0.23	-38.8	-27	11.81
HT/VHT40, M0 to M7	1	15	-57.4		0.39	-42.0	-27	15.01
HT/VHT40, M0 to M7	2	15	-58.5	-57.2	0.39	-39.4	-27	12.4
HT/VHT40, M8 to M15	2	15	-58.5	-57.2	0.39	-39.4	-27	12.4
HT/VHT40 Beam Forming, M0 to M7	2	15	-58.5	-57.2	0.39	-39.4	-27	12.4
HT/VHT40 Beam Forming, M8 to M15	2	15	-58.5	-57.2	0.39	-39.4	-27	12.4
HT/VHT40 STBC, M8 to M15	2	15	-58.5	-57.2	0.39	-39.4	-27	12.4
HE40, M0 to M11 1ss	1	15	-57.4		0.32	-42.1	-27	15.08
HE40, M0 to M11 1ss	2	15	-57.9	-56.5	0.32	-38.8	-27	11.81
HE40, M0 to M11 2ss	2	15	-57.9	-56.5	0.32	-38.8	-27	11.81
HE40 Beam Forming, M0 to M11 1ss	2	15	-57.9	-56.5	0.32	-38.8	-27	11.81
HE40 Beam Forming, M0 to M11 2ss	2	15	-57.9	-56.5	0.32	-38.8	-27	11.81
HE40 STBC, M0 to M11 2ss	2	15	-57.9	-56.5	0.32	-38.8	-27	11.81

Frequency 5560 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	-58.1		0.17	-42.9	-27	15.93
Non HT20, 6 to 54 Mbps	2	15	-61.2	-57.2	0.17	-40.6	-27	13.58
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-61.2	-57.2	0.17	-40.6	-27	13.58
HT/VHT20, M0 to M7	1	15	-57.6		0.66	-41.9	-27	14.94
HT/VHT20, M0 to M7	2	15	-62.0	-57.4	0.66	-40.4	-27	13.45
HT/VHT20, M8 to M15	2	15	-62.0	-57.4	0.66	-40.4	-27	13.45
HT/VHT20 Beam Forming, M0 to M7	2	15	-62.0	-57.4	0.66	-40.4	-27	13.45
HT/VHT20 Beam Forming, M8 to M15	2	15	-62.0	-57.4	0.66	-40.4	-27	13.45
HT/VHT20 STBC, M8 to M15	2	15	-62.0	-57.4	0.66	-40.4	-27	13.45
HE20, M0 to M11 1ss	1	15	-58.2		0.28	-42.9	-27	15.92
HE20, M0 to M11 1ss	2	15	-62.6	-57.3	0.28	-40.9	-27	13.9
HE20, M0 to M11 2ss	2	15	-62.6	-57.3	0.28	-40.9	-27	13.9
HE20 Beam Forming, M0 to M11 1ss	2	15	-62.6	-57.3	0.28	-40.9	-27	13.9
HE20 Beam Forming, M0 to M11 2ss	2	15	-62.6	-57.3	0.28	-40.9	-27	13.9
HE20 STBC, M0 to M11 2ss	2	15	-62.6	-57.3	0.28	-40.9	-27	13.9

Frequency 5610 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		0.31	-41.8	-27	14.79
Non HT80, 6 to 54 Mbps	2	15	-57.6	-56.6	0.31	-38.8	-27	11.75
VHT80, M0 to M11 1ss	1	15	-57.3		0.62	-41.7	-27	14.68
VHT80, M0 to M11 1ss	2	15	-57.4	-56.3	0.62	-38.2	-27	11.19
VHT80, M0 to M11 2ss	2	15	-57.4	-56.3	0.62	-38.2	-27	11.19
VHT80 Beam Forming, M0 to M11 1ss	2	15	-57.4	-56.3	0.62	-38.2	-27	11.19
VHT80 Beam Forming, M0 to M11 2ss	2	15	-57.4	-56.3	0.62	-38.2	-27	11.19
VHT80 STBC, M0 to M11 2ss	2	15	-57.4	-56.3	0.62	-38.2	-27	11.19
HE80, M0 to M11 1ss	1	15	-56.0		0.35	-40.6	-27	13.65
HE80, M0 to M11 1ss	2	15	-56.7	-56.3	0.35	-38.1	-27	11.13
HE80, M0 to M11 2ss	2	15	-56.7	-56.3	0.35	-38.1	-27	11.13
HE80 Beam Forming, M0 to M11 1ss	2	15	-56.7	-56.3	0.35	-38.1	-27	11.13
HE80 Beam Forming, M0 to M11 2ss	2	15	-56.7	-56.3	0.35	-38.1	-27	11.13
HE80 STBC, M0 to M11 2ss	2	15	-56.7	-56.3	0.35	-38.1	-27	11.13

Frequency 5670 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	-57.5		0.23	-42.3	-27	15.27
Non HT40, 6 to 54 Mbps	2	15	-57.5	-57.0	0.23	-39.0	-27	12.0
HT/VHT40, M0 to M7	1	15	-58.2		0.39	-42.8	-27	15.81
HT/VHT40, M0 to M7	2	15	-58.1	-56.9	0.39	-39.1	-27	12.06
HT/VHT40, M8 to M15	2	15	-58.1	-56.9	0.39	-39.1	-27	12.06
HT/VHT40 Beam Forming, M0 to M7	2	15	-58.1	-56.9	0.39	-39.1	-27	12.06
HT/VHT40 Beam Forming, M8 to M15	2	15	-58.1	-56.9	0.39	-39.1	-27	12.06
HT/VHT40 STBC, M8 to M15	2	15	-58.1	-56.9	0.39	-39.1	-27	12.06
HE40, M0 to M11 1ss	1	15	-58.2		0.32	-42.9	-27	15.88
HE40, M0 to M11 1ss	2	15	-56.8	-57.4	0.32	-38.8	-27	11.76
HE40, M0 to M11 2ss	2	15	-56.8	-57.4	0.32	-38.8	-27	11.76
HE40 Beam Forming, M0 to M11 1ss	2	15	-56.8	-57.4	0.32	-38.8	-27	11.76
HE40 Beam Forming, M0 to M11 2ss	2	15	-56.8	-57.4	0.32	-38.8	-27	11.76
HE40 STBC, M0 to M11 2ss	2	15	-56.8	-57.4	0.32	-38.8	-27	11.76

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	-57.8		0.31	-42.5	-27	15.49
Non HT80, 6 to 54 Mbps	2	15	-58.1	-56.5	0.31	-38.9	-27	11.91
VHT80, M0 to M11 1ss	1	15	-57.8		0.62	-42.2	-27	15.18
VHT80, M0 to M11 1ss	2	15	-57.0	-56.8	0.62	-38.3	-27	11.27
VHT80, M0 to M11 2ss	2	15	-57.0	-56.8	0.62	-38.3	-27	11.27
VHT80 Beam Forming, M0 to M11 1ss	2	15	-57.0	-56.8	0.62	-38.3	-27	11.27
VHT80 Beam Forming, M0 to M11 2ss	2	15	-57.0	-56.8	0.62	-38.3	-27	11.27
VHT80 STBC, M0 to M11 2ss	2	15	-57.0	-56.8	0.62	-38.3	-27	11.27
HE80, M0 to M11 1ss	1	15	-58.3		0.35	-42.9	-27	15.95
HE80, M0 to M11 1ss	2	15	-57.9	-56.8	0.35	-39.0	-27	11.95
HE80, M0 to M11 2ss	2	15	-57.9	-56.8	0.35	-39.0	-27	11.95
HE80 Beam Forming, M0 to M11 1ss	2	15	-57.9	-56.8	0.35	-39.0	-27	11.95
HE80 Beam Forming, M0 to M11 2ss	2	15	-57.9	-56.8	0.35	-39.0	-27	11.95
HE80 STBC, M0 to M11 2ss	2	15	-57.9	-56.8	0.35	-39.0	-27	11.95

Frequency 5700 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	-57.4		0.17	-42.2	-27	15.23
Non HT20, 6 to 54 Mbps	2	15	-62.0	-61.6	0.17	-43.6	-27	16.62
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-62.0	-61.6	0.17	-43.6	-27	16.62
HT/VHT20, M0 to M7	1	15	-57.2		0.66	-41.5	-27	14.54
HT/VHT20, M0 to M7	2	15	-61.4	-56.1	0.66	-39.3	-27	12.32
HT/VHT20, M8 to M15	2	15	-61.4	-56.1	0.66	-39.3	-27	12.32
HT/VHT20 Beam Forming, M0 to M7	2	15	-61.4	-56.1	0.66	-39.3	-27	12.32
HT/VHT20 Beam Forming, M8 to M15	2	15	-61.4	-56.1	0.66	-39.3	-27	12.32
HT/VHT20 STBC, M8 to M15	2	15	-61.4	-56.1	0.66	-39.3	-27	12.32
HE20, M0 to M11 1ss	1	15	-57.1		0.28	-41.8	-27	14.82
HE20, M0 to M11 1ss	2	15	-62.1	-62.0	0.28	-43.8	-27	16.76
HE20, M0 to M11 2ss	2	15	-62.1	-62.0	0.28	-43.8	-27	16.76
HE20 Beam Forming, M0 to M11 1ss	2	15	-62.1	-62.0	0.28	-43.8	-27	16.76
HE20 Beam Forming, M0 to M11 2ss	2	15	-62.1	-62.0	0.28	-43.8	-27	16.76
HE20 STBC, M0 to M11 2ss	2	15	-62.1	-62.0	0.28	-43.8	-27	16.76

Frequency 5710 MHz

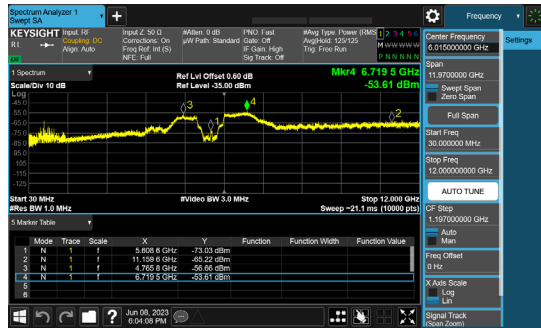
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	15	-57.4		0.23	-42.2	-27	15.17
Non HT40, 6 to 54 Mbps	2	15	-56.5	-57.5	0.23	-38.7	-27	11.73
HT/VHT40, M0 to M7	1	15	-56.8		0.39	-41.4	-27	14.41
HT/VHT40, M0 to M7	2	15	-57.7	-57.1	0.39	-39.0	-27	11.99
HT/VHT40, M8 to M15	2	15	-57.7	-57.1	0.39	-39.0	-27	11.99
HT/VHT40 Beam Forming, M0 to M7	2	15	-57.7	-57.1	0.39	-39.0	-27	11.99
HT/VHT40 Beam Forming, M8 to M15	2	15	-57.7	-57.1	0.39	-39.0	-27	11.99
HT/VHT40 STBC, M8 to M15	2	15	-57.7	-57.1	0.39	-39.0	-27	11.99
HE40, M0 to M11 1ss	1	15	-56.9		0.32	-41.6	-27	14.58
HE40, M0 to M11 1ss	2	15	-61.2	-56.7	0.32	-40.1	-27	13.06
HE40, M0 to M11 2ss	2	15	-61.2	-56.7	0.32	-40.1	-27	13.06
HE40 Beam Forming, M0 to M11 1ss	2	15	-61.2	-56.7	0.32	-40.1	-27	13.06
HE40 Beam Forming, M0 to M11 2ss	2	15	-61.2	-56.7	0.32	-40.1	-27	13.06
HE40 STBC, M0 to M11 2ss	2	15	-61.2	-56.7	0.32	-40.1	-27	13.06

Frequency 5720 MHz

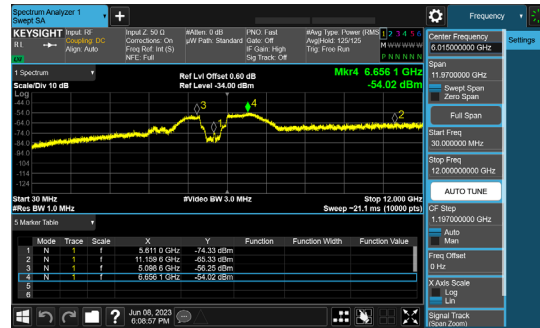
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	15	-56.7		0.17	-41.5	-27	14.53
Non HT20, 6 to 54 Mbps	2	15	-61.7	-61.6	0.17	-43.5	-27	16.47
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-61.7	-61.6	0.17	-43.5	-27	16.47
HT/VHT20, M0 to M7	1	15	-57.2		0.66	-41.5	-27	14.54
HT/VHT20, M0 to M7	2	15	-61.3	-61.1	0.66	-42.5	-27	15.53
HT/VHT20, M8 to M15	2	15	-61.3	-61.1	0.66	-42.5	-27	15.53
HT/VHT20 Beam Forming, M0 to M7	2	15	-61.3	-61.1	0.66	-42.5	-27	15.53
HT/VHT20 Beam Forming, M8 to M15	2	15	-61.3	-61.1	0.66	-42.5	-27	15.53
HT/VHT20 STBC, M8 to M15	2	15	-61.3	-61.1	0.66	-42.5	-27	15.53
HE20, M0 to M11 1ss	1	15	-56.9		0.28	-41.6	-27	14.62
HE20, M0 to M11 1ss	2	15	-62.1	-60.4	0.28	-42.9	-27	15.88
HE20, M0 to M11 2ss	2	15	-62.1	-60.4	0.28	-42.9	-27	15.88
HE20 Beam Forming, M0 to M11 1ss	2	15	-62.1	-60.4	0.28	-42.9	-27	15.88
HE20 Beam Forming, M0 to M11 2ss	2	15	-62.1	-60.4	0.28	-42.9	-27	15.88
HE20 STBC, M0 to M11 2ss	2	15	-62.1	-60.4	0.28	-42.9	-27	15.88

Data Screenshots – Antenna gain 15dBi Peak

5610 MHz: HE80, M0 to M11 1ss

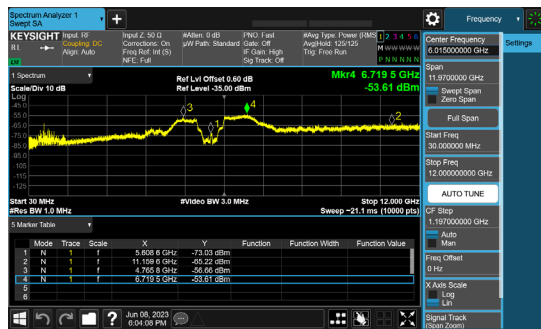


Antenna A

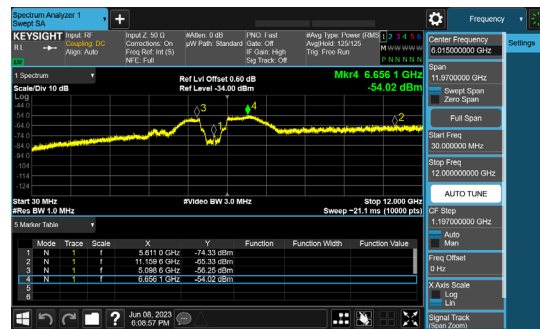


Antenna B

5610 MHz: HE80, M0 to M11 2ss

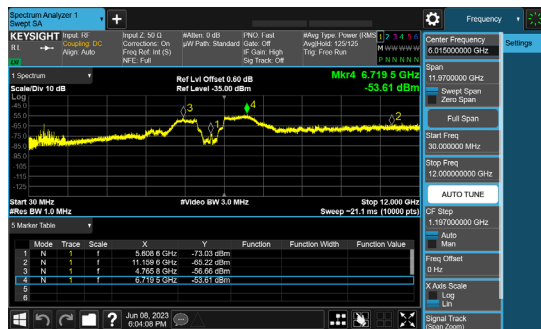


Antenna A

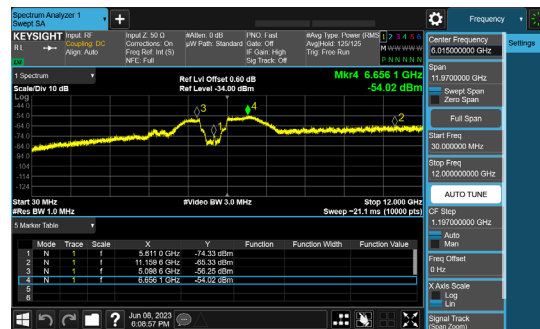


Antenna B

5610 MHz: HE80 Beam Forming, M0 to M11 1ss



Antenna A



Antenna B

A.6: Conducted Band edge.

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:

- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (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.
- (8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits

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

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

- 1) Average Plot, Limit= -41.25 dBm eirp
- 2) Peak plot, Limit = -21.25 dBm eirp

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

2. Unwanted Emissions that fall Outside of the Restricted Bands

- a) For all measurements, follow the requirements in II.G.3. "*General Requirements for Unwanted Emissions Measurements.*"
- b) At frequencies below 1000 MHz, use the procedure described in II.G.4. "*Procedure for Unwanted Emissions Measurements Below 1000 MHz.*"
- c) At frequencies above 1000 MHz, use the procedure for maximum emissions described in II.G.5., "*Procedure for Unwanted Emissions Measurements Above 1000 MHz.*"
- (i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.

Conducted Band Edge Test Procedure

Ref. ANSI C63.10: 2013

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Conducted Spurious Emissions Test Procedure
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- | |
|--|
| <ol style="list-style-type: none">1. Connect the antenna port(s) to the spectrum analyzer input.2. Place the radio in continuous transmit mode3. 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. ANSI C63.10: 2013 section 12.7.6 (Peak) and 12.7.7.2 (Average)

KDB 789033 D02 General UNII Test Procedures New Rules v02r01, Sec. 5 (Peak), Sec. 6 (Average Method AD)

Conducted Spurious Emissions Test parameters	
Peak RBW = 1 MHz VBW \geq 3 MHz Sweep = Auto Detector = Peak Trace = Max Hold.	Average RBW = 1 MHz VBW \geq 3 MHz Sweep = Auto Detector = RMS Power Averaging
Tested By: Ronak Patel	Date of testing: 3/22/2023 - 6/2/2023
Test Result: PASS	

Test Equipment

See Appendix C for list of test equipment

Conducted Band edge Average Table – 5G Antenna Gain 7dBi.**Frequency 5500 MHz**

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Duty Cycle (dB)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	7	-53.9		0.17	-46.7	-41	5.48
Non HT20, 6 to 54 Mbps	2	7	-61.1	-60.8	0.17	-50.8	-41	9.52
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-61.1	-60.8	0.17	-47.8	-41	6.52
HT/VHT20, M0 to M7	1	7	-55.7		0.66	-48.0	-41	6.79
HT/VHT20, M0 to M7	2	7	-59.9	-61.1	0.66	-49.8	-41	8.54
HT/VHT20, M8 to M15	2	7	-55.7	-57.0	0.66	-45.6	-41	4.38
HT/VHT20 Beam Forming, M0 to M7	2	10	-59.9	-61.1	0.66	-46.8	-41	5.54
HT/VHT20 Beam Forming, M8 to M15	2	7	-55.7	-57.0	0.66	-45.6	-41	4.38
HT/VHT20 STBC, M8 to M15	2	7	-55.7	-57.0	0.66	-45.6	-41	4.38
HE20, M0 to M11 1ss	1	7	-53.4		0.28	-46.1	-41	4.87
HE20, M0 to M11 1ss	2	7	-60.1	-60.9	0.28	-50.2	-41	8.95
HE20, M0 to M11 2ss	2	7	-57.1	-58.2	0.28	-47.3	-41	6.08
HE20 Beam Forming, M0 to M11 1ss	2	10	-60.1	-60.9	0.28	-47.2	-41	5.95
HE20 Beam Forming, M0 to M11 2ss	2	7	-57.1	-58.2	0.28	-47.3	-41	6.08
HE20 STBC, M0 to M11 2ss	2	7	-57.1	-58.2	0.28	-47.3	-41	6.08

Frequency 5510 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Duty Cycle (dB)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	7	-53.8		0.23	-46.6	-41	5.32
Non HT40, 6 to 54 Mbps	2	7	-53.8	-54.4	0.23	-43.8	-41	2.6
HT/VHT40, M0 to M7	1	7	-52.5		0.39	-45.1	-41	3.86
HT/VHT40, M0 to M7	2	7	-52.5	-52.8	0.39	-42.3	-41	1.0
HT/VHT40, M8 to M15	2	7	-52.5	-52.8	0.39	-42.3	-41	1.0
HT/VHT40 Beam Forming, M0 to M7	2	10	-57.0	-57.1	0.39	-43.7	-41	2.4
HT/VHT40 Beam Forming, M8 to M15	2	7	-52.5	-52.8	0.39	-42.3	-41	1.0
HT/VHT40 STBC, M8 to M15	2	7	-52.5	-52.8	0.39	-42.3	-41	1.0
HE40, M0 to M11 1ss	1	7	-51.4		0.32	-44.1	-41	2.83
HE40, M0 to M11 1ss	2	7	-51.4	-52.1	0.32	-41.4	-41	0.15
HE40, M0 to M11 2ss	2	7	-51.4	-52.1	0.32	-41.4	-41	0.15
HE40 Beam Forming, M0 to M11 1ss	2	10	-54.6	-56.1	0.32	-42.0	-41	0.7
HE40 Beam Forming, M0 to M11 2ss	2	7	-51.4	-52.1	0.32	-41.4	-41	0.15
HE40 STBC, M0 to M11 2ss	2	7	-51.4	-52.1	0.32	-41.4	-41	0.15

Frequency 5530 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Duty Cycle (dB)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	7	-49.5		0.31	-42.2	-41	0.94
Non HT80, 6 to 54 Mbps	2	7	-52.1	-52.1	0.31	-41.8	-41	0.53
VHT80, M0 to M11 1ss	1	7	-51.1		0.62	-43.5	-41	2.23
VHT80, M0 to M11 1ss	2	7	-52.8	-54.1	0.62	-42.8	-41	1.52
VHT80, M0 to M11 2ss	2	7	-52.8	-54.1	0.62	-42.8	-41	1.52
VHT80 Beam Forming, M0 to M11 1ss	2	10	-56.4	-56.8	0.62	-43.0	-41	1.72
VHT80 Beam Forming, M0 to M11 2ss	2	7	-52.8	-54.1	0.62	-42.8	-41	1.52
VHT80 STBC, M0 to M11 2ss	2	7	-52.8	-54.1	0.62	-42.8	-41	1.52
HE80, M0 to M11 1ss	1	7	-51.8		0.35	-44.4	-41	3.2
HE80, M0 to M11 1ss	2	7	-51.8	-52.7	0.35	-41.9	-41	0.61
HE80, M0 to M11 2ss	2	7	-51.8	-52.7	0.35	-41.9	-41	0.61
HE80 Beam Forming, M0 to M11 1ss	2	10	-54.9	-54.9	0.35	-41.5	-41	0.29
HE80 Beam Forming, M0 to M11 2ss	2	7	-51.8	-52.7	0.35	-41.9	-41	0.61
HE80 STBC, M0 to M11 2ss	2	7	-51.8	-52.7	0.35	-41.9	-41	0.61

Frequency 5610 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Duty Cycle (dB)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	7	-50.0		0.31	-42.7	-41	1.44
Non HT80, 6 to 54 Mbps	2	7	-55.0	-56.6	0.31	-45.4	-41	4.16
VHT80, M0 to M11 1ss	1	7	-57.1		0.62	-49.5	-41	8.23
VHT80, M0 to M11 1ss	2	7	-57.1	-56.4	0.62	-46.1	-41	4.86
VHT80, M0 to M11 2ss	2	7	-57.1	-56.4	0.62	-46.1	-41	4.86
VHT80 Beam Forming, M0 to M11 1ss	2	10	-59.7	-59.0	0.62	-45.7	-41	4.46
VHT80 Beam Forming, M0 to M11 2ss	2	7	-57.1	-56.4	0.62	-46.1	-41	4.86
VHT80 STBC, M0 to M11 2ss	2	7	-57.1	-56.4	0.62	-46.1	-41	4.86
HE80, M0 to M11 1ss	1	7	-54.5		0.35	-47.1	-41	5.9
HE80, M0 to M11 1ss	2	7	-54.5	-53.1	0.35	-43.4	-41	2.13
HE80, M0 to M11 2ss	2	7	-54.5	-53.1	0.35	-43.4	-41	2.13
HE80 Beam Forming, M0 to M11 1ss	2	10	-58.4	-58.1	0.35	-44.9	-41	3.63
HE80 Beam Forming, M0 to M11 2ss	2	7	-54.5	-53.1	0.35	-43.4	-41	2.13
HE80 STBC, M0 to M11 2ss	2	7	-54.5	-53.1	0.35	-43.4	-41	2.13

Frequency 5670 MHz

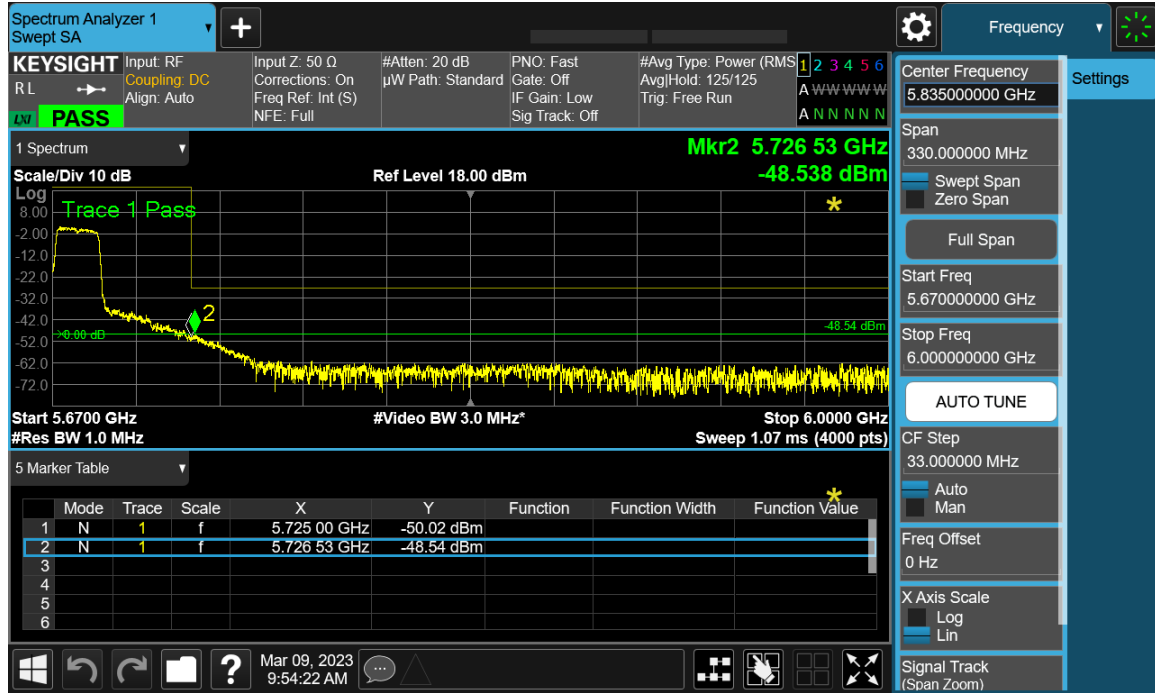
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Duty Cycle (dB)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	7	-48.5		0.23	-41.3	-41	0.02
Non HT40, 6 to 54 Mbps	2	7	-54.5	-54.0	0.23	-44.0	-41	2.75
HT/VHT40, M0 to M7	1	7	-52.5		0.39	-45.1	-41	3.86
HT/VHT40, M0 to M7	2	7	-52.5	-55.0	0.39	-43.2	-41	1.93
HT/VHT40, M8 to M15	2	7	-52.5	-55.0	0.39	-43.2	-41	1.93
HT/VHT40 Beam Forming, M0 to M7	2	10	-58.0	-58.1	0.39	-44.7	-41	3.4
HT/VHT40 Beam Forming, M8 to M15	2	7	-52.5	-55.0	0.39	-43.2	-41	1.93
HT/VHT40 STBC, M8 to M15	2	7	-52.5	-55.0	0.39	-43.2	-41	1.93
HE40, M0 to M11 1ss	1	7	-51.2		0.32	-43.9	-41	2.63
HE40, M0 to M11 1ss	2	7	-51.2	-53.1	0.32	-41.7	-41	0.47
HE40, M0 to M11 2ss	2	7	-51.2	-53.1	0.32	-41.7	-41	0.47
HE40 Beam Forming, M0 to M11 1ss	2	10	-56.5	-58.3	0.32	-44.0	-41	2.73
HE40 Beam Forming, M0 to M11 2ss	2	7	-51.2	-53.1	0.32	-41.7	-41	0.47
HE40 STBC, M0 to M11 2ss	2	7	-51.2	-53.1	0.32	-41.7	-41	0.47

Frequency 5700 MHz

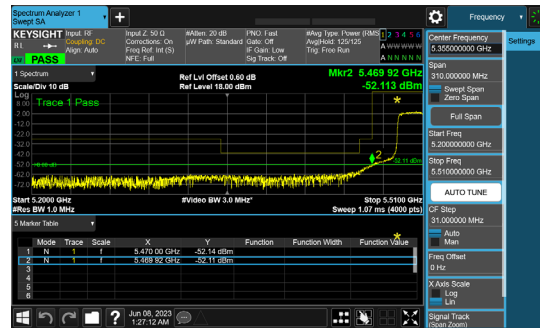
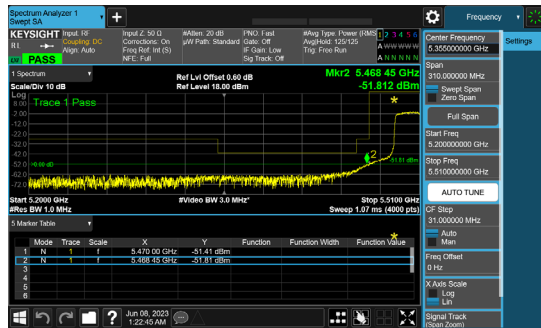
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Duty Cycle (dB)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	7	-52.7		0.17	-45.5	-41	4.28
Non HT20, 6 to 54 Mbps	2	7	-57.9	-57.4	0.17	-47.5	-41	6.22
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-57.9	-57.4	0.17	-44.5	-41	3.22
HT/VHT20, M0 to M7	1	7	-52.1		0.66	-44.4	-41	3.19
HT/VHT20, M0 to M7	2	7	-58.2	-57.7	0.66	-47.3	-41	6.02
HT/VHT20, M8 to M15	2	7	-52.1	-52.7	0.66	-41.7	-41	0.47
HT/VHT20 Beam Forming, M0 to M7	2	10	-58.2	-57.7	0.66	-44.3	-41	3.02
HT/VHT20 Beam Forming, M8 to M15	2	7	-52.1	-52.7	0.66	-41.7	-41	0.47
HT/VHT20 STBC, M8 to M15	2	7	-52.1	-52.7	0.66	-41.7	-41	0.47
HE20, M0 to M11 1ss	1	7	-51.0		0.28	-43.7	-41	2.47
HE20, M0 to M11 1ss	2	7	-56.0	-56.0	0.28	-45.7	-41	4.46
HE20, M0 to M11 2ss	2	7	-53.7	-54.2	0.28	-43.7	-41	2.41
HE20 Beam Forming, M0 to M11 1ss	2	10	-56.0	-56.0	0.28	-42.7	-41	1.46
HE20 Beam Forming, M0 to M11 2ss	2	7	-53.7	-54.2	0.28	-43.7	-41	2.41
HE20 STBC, M0 to M11 2ss	2	7	-53.7	-54.2	0.28	-43.7	-41	2.41

Data Screenshots – Antenna gain 7dBi Average

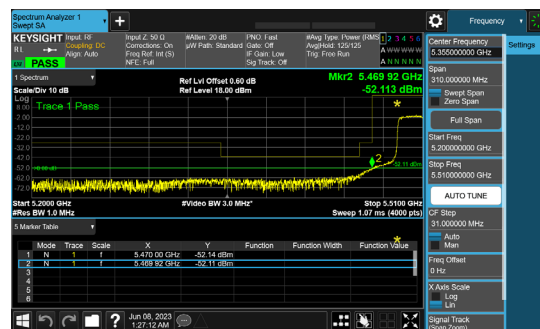
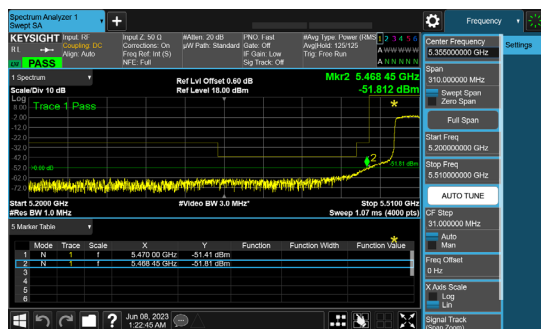
5670 MHz: Non HT40, 6 to 54 Mbps



5510 MHz: HE40, M0 to M11 1ss



5510 MHz: HE40, M0 to M11 2ss



Conducted Band edge Peak Table – 5G Antenna Gain 7dBi.

Frequency 5500 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	7	-42.7		-35.5	-27	8.53
Non HT20, 6 to 54 Mbps	2	7	-47.9	-45.8	-36.5	-27	9.55
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-47.9	-45.8	-33.5	-27	6.55
HT/VHT20, M0 to M7	1	7	-43.7		-36.0	-27	9.04
HT/VHT20, M0 to M7	2	7	-46.5	-46.5	-35.8	-27	8.83
HT/VHT20, M8 to M15	2	7	-43.7	-44.2	-33.3	-27	6.27
HT/VHT20 Beam Forming, M0 to M7	2	10	-46.5	-46.5	-32.8	-27	5.83
HT/VHT20 Beam Forming, M8 to M15	2	7	-43.7	-44.2	-33.3	-27	6.27
HT/VHT20 STBC, M8 to M15	2	7	-43.7	-44.2	-33.3	-27	6.27
HE20, M0 to M11 1ss	1	7	-40.5		-33.2	-27	6.22
HE20, M0 to M11 1ss	2	7	-47.6	-44.7	-35.6	-27	8.63
HE20, M0 to M11 2ss	2	7	-43.2	-44.4	-33.5	-27	6.47
HE20 Beam Forming, M0 to M11 1ss	2	10	-47.6	-44.7	-32.6	-27	5.63
HE20 Beam Forming, M0 to M11 2ss	2	7	-43.2	-44.4	-33.5	-27	6.47
HE20 STBC, M0 to M11 2ss	2	7	-43.2	-44.4	-33.5	-27	6.47

Frequency 5510 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	7	-38.8		-31.6	-27	4.57
Non HT40, 6 to 54 Mbps	2	7	-38.8	-40.7	-29.4	-27	2.41
HT/VHT40, M0 to M7	1	7	-40.8		-33.4	-27	6.41
HT/VHT40, M0 to M7	2	7	-40.8	-42.7	-31.2	-27	4.25
HT/VHT40, M8 to M15	2	7	-40.8	-42.7	-31.2	-27	4.25
HT/VHT40 Beam Forming, M0 to M7	2	10	-46.0	-43.8	-31.4	-27	4.37
HT/VHT40 Beam Forming, M8 to M15	2	7	-40.8	-42.7	-31.2	-27	4.25
HT/VHT40 STBC, M8 to M15	2	7	-40.8	-42.7	-31.2	-27	4.25
HE40, M0 to M11 1ss	1	7	-40.7		-33.4	-27	6.38
HE40, M0 to M11 1ss	2	7	-40.7	-38.4	-29.1	-27	2.07
HE40, M0 to M11 2ss	2	7	-40.7	-38.4	-29.1	-27	2.07
HE40 Beam Forming, M0 to M11 1ss	2	10	-44.8	-44.3	-31.2	-27	4.21
HE40 Beam Forming, M0 to M11 2ss	2	7	-40.7	-38.4	-29.1	-27	2.07
HE40 STBC, M0 to M11 2ss	2	7	-40.7	-38.4	-29.1	-27	2.07

Frequency 5530 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	7	-38.1		-30.8	-27	3.79
Non HT80, 6 to 54 Mbps	2	7	-39.4	-40.0	-29.4	-27	2.37
VHT80, M0 to M11 1ss	1	7	-38.0		-30.4	-27	3.38
VHT80, M0 to M11 1ss	2	7	-40.5	-42.2	-30.6	-27	3.64
VHT80, M0 to M11 2ss	2	7	-40.5	-42.2	-30.6	-27	3.64
VHT80 Beam Forming, M0 to M11 1ss	2	10	-44.3	-45.8	-31.4	-27	4.36
VHT80 Beam Forming, M0 to M11 2ss	2	7	-40.5	-42.2	-30.6	-27	3.64
VHT80 STBC, M0 to M11 2ss	2	7	-40.5	-42.2	-30.6	-27	3.64
HE80, M0 to M11 1ss	1	7	-41.8		-34.4	-27	7.45
HE80, M0 to M11 1ss	2	7	-41.8	-41.9	-31.5	-27	4.49
HE80, M0 to M11 2ss	2	7	-41.8	-41.9	-31.5	-27	4.49
HE80 Beam Forming, M0 to M11 1ss	2	10	-44.3	-44.0	-30.8	-27	3.78
HE80 Beam Forming, M0 to M11 2ss	2	7	-41.8	-41.9	-31.5	-27	4.49
HE80 STBC, M0 to M11 2ss	2	7	-41.8	-41.9	-31.5	-27	4.49

Frequency 5610 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	7	-39.6		-32.3	-27	5.29
Non HT80, 6 to 54 Mbps	2	7	-43.5	-43.5	-33.2	-27	6.18
VHT80, M0 to M11 1ss	1	7	-40.9		-33.3	-27	6.28
VHT80, M0 to M11 1ss	2	7	-40.9	-41.2	-30.4	-27	3.42
VHT80, M0 to M11 2ss	2	7	-40.9	-41.2	-30.4	-27	3.42
VHT80 Beam Forming, M0 to M11 1ss	2	10	-46.8	-46.2	-32.9	-27	5.86
VHT80 Beam Forming, M0 to M11 2ss	2	7	-40.9	-41.2	-30.4	-27	3.42
VHT80 STBC, M0 to M11 2ss	2	7	-40.9	-41.2	-30.4	-27	3.42
HE80, M0 to M11 1ss	1	7	-41.8		-34.4	-27	7.45
HE80, M0 to M11 1ss	2	7	-41.8	-38.5	-29.5	-27	2.48
HE80, M0 to M11 2ss	2	7	-41.8	-38.5	-29.5	-27	2.48
HE80 Beam Forming, M0 to M11 1ss	2	10	-45.7	-43.2	-30.9	-27	3.91
HE80 Beam Forming, M0 to M11 2ss	2	7	-41.8	-38.5	-29.5	-27	2.48
HE80 STBC, M0 to M11 2ss	2	7	-41.8	-38.5	-29.5	-27	2.48

Frequency 5670 MHz

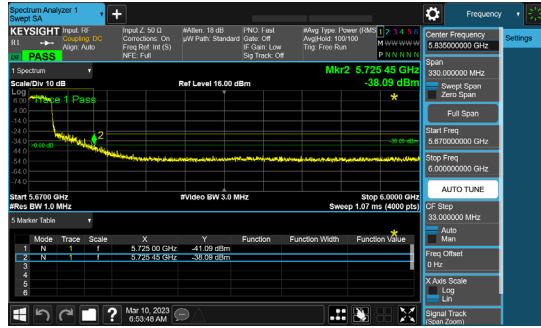
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	7	-36.7		-29.5	-27	2.47
Non HT40, 6 to 54 Mbps	2	7	-39.8	-38.8	-29.0	-27	2.03
HT/VHT40, M0 to M7	1	7	-39.6		-32.2	-27	5.21
HT/VHT40, M0 to M7	2	7	-39.6	-41.6	-30.1	-27	3.09
HT/VHT40, M8 to M15	2	7	-39.6	-41.6	-30.1	-27	3.09
HT/VHT40 Beam Forming, M0 to M7	2	10	-46.4	-45.2	-32.4	-27	5.36
HT/VHT40 Beam Forming, M8 to M15	2	7	-39.6	-41.6	-30.1	-27	3.09
HT/VHT40 STBC, M8 to M15	2	7	-39.6	-41.6	-30.1	-27	3.09
HE40, M0 to M11 1ss	1	7	-38.1		-30.8	-27	3.78
HE40, M0 to M11 1ss	2	7	-38.1	-39.3	-28.3	-27	1.33
HE40, M0 to M11 2ss	2	7	-38.1	-39.3	-28.3	-27	1.33
HE40 Beam Forming, M0 to M11 1ss	2	10	-41.5	-45.8	-29.8	-27	2.81
HE40 Beam Forming, M0 to M11 2ss	2	7	-38.1	-39.3	-28.3	-27	1.33
HE40 STBC, M0 to M11 2ss	2	7	-38.1	-39.3	-28.3	-27	1.33

Frequency 5700 MHz

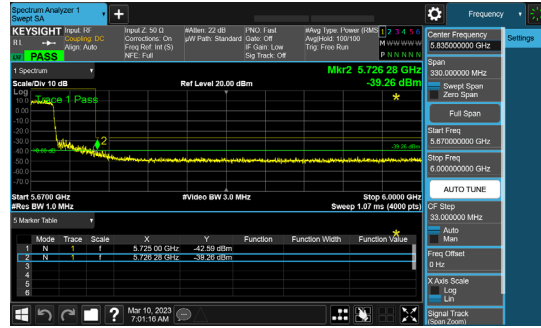
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	7	-38.0		-30.8	-27	3.83
Non HT20, 6 to 54 Mbps	2	7	-46.6	-46.5	-36.4	-27	9.37
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-46.6	-46.5	-33.4	-27	6.37
HT/VHT20, M0 to M7	1	7	-41.4		-33.7	-27	6.74
HT/VHT20, M0 to M7	2	7	-45.2	-47.0	-35.3	-27	8.34
HT/VHT20, M8 to M15	2	7	-41.4	-43.1	-31.5	-27	4.5
HT/VHT20 Beam Forming, M0 to M7	2	10	-45.2	-47.0	-32.3	-27	5.34
HT/VHT20 Beam Forming, M8 to M15	2	7	-41.4	-43.1	-31.5	-27	4.5
HT/VHT20 STBC, M8 to M15	2	7	-41.4	-43.1	-31.5	-27	4.5
HE20, M0 to M11 1ss	1	7	-40.5		-33.2	-27	6.22
HE20, M0 to M11 1ss	2	7	-43.5	-45.3	-34.0	-27	7.02
HE20, M0 to M11 2ss	2	7	-40.6	-43.5	-31.5	-27	4.53
HE20 Beam Forming, M0 to M11 1ss	2	10	-43.5	-45.3	-31.0	-27	4.02
HE20 Beam Forming, M0 to M11 2ss	2	7	-40.6	-43.5	-31.5	-27	4.53
HE20 STBC, M0 to M11 2ss	2	7	-40.6	-43.5	-31.5	-27	4.53

Data Screenshots - Antenna gain 7dBi Peak

5670 MHz: HE40, M0 to M11 1ss

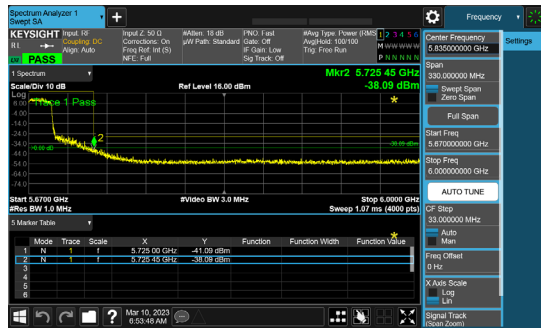


Antenna A

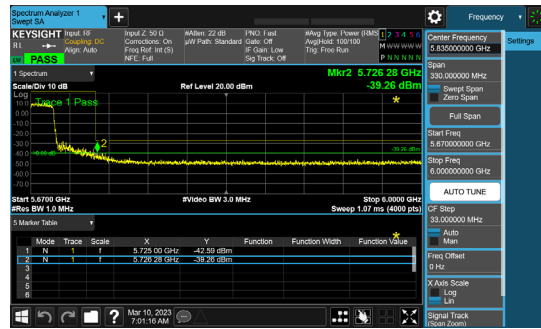


Antenna B

5670 MHz: HE40, M0 to M11 2ss

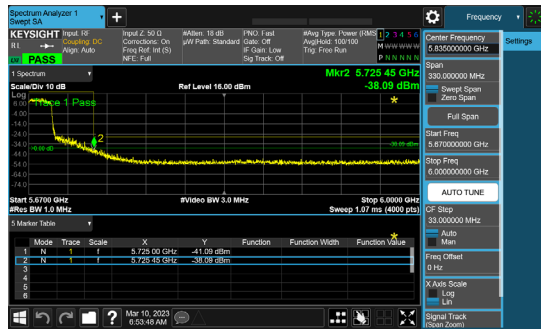


Antenna A



Antenna B

5670 MHz: HE40 Beam Forming, M0 to M11 2ss



Antenna A



Antenna B

Conducted Band edge Average Table – 5G Antenna Gain 8dBi.**Frequency 5500 MHz**

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Duty Cycle (dB)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-53.9		0.17	-45.7	-41	4.48
Non HT20, 6 to 54 Mbps	2	8	-62.3	-62.2	0.17	-51.1	-41	9.82
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-62.3	-62.2	0.17	-48.1	-41	6.82
HT/VHT20, M0 to M7	1	8	-55.7		0.66	-47.0	-41	5.79
HT/VHT20, M0 to M7	2	8	-62.5	-62.5	0.66	-50.8	-41	9.58
HT/VHT20, M8 to M15	2	8	-57.6	-60.5	0.66	-47.1	-41	5.89
HT/VHT20 Beam Forming, M0 to M7	2	11	-62.5	-62.5	0.66	-47.8	-41	6.58
HT/VHT20 Beam Forming, M8 to M15	2	8	-57.6	-60.5	0.66	-47.1	-41	5.89
HT/VHT20 STBC, M8 to M15	2	8	-57.6	-60.5	0.66	-47.1	-41	5.89
HE20, M0 to M11 1ss	1	8	-53.4		0.28	-45.1	-41	3.87
HE20, M0 to M11 1ss	2	8	-61.8	-63.0	0.28	-51.1	-41	9.82
HE20, M0 to M11 2ss	2	8	-58.0	-57.9	0.28	-46.7	-41	5.41
HE20 Beam Forming, M0 to M11 1ss	2	11	-61.8	-63.0	0.28	-48.1	-41	6.82
HE20 Beam Forming, M0 to M11 2ss	2	8	-58.0	-57.9	0.28	-46.7	-41	5.41
HE20 STBC, M0 to M11 2ss	2	8	-58.0	-57.9	0.28	-46.7	-41	5.41

Frequency 5510 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Duty Cycle (dB)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	8	-53.8		0.23	-45.6	-41	4.32
Non HT40, 6 to 54 Mbps	2	8	-53.8	-54.4	0.23	-42.8	-41	1.6
HT/VHT40, M0 to M7	1	8	-52.5		0.39	-44.1	-41	2.86
HT/VHT40, M0 to M7	2	8	-52.5	-52.8	0.39	-41.3	-41	0.0
HT/VHT40, M8 to M15	2	8	-52.5	-52.8	0.39	-41.3	-41	0.0
HT/VHT40 Beam Forming, M0 to M7	2	11	-57.0	-57.1	0.39	-42.7	-41	1.4
HT/VHT40 Beam Forming, M8 to M15	2	8	-52.5	-52.8	0.39	-41.3	-41	0.0
HT/VHT40 STBC, M8 to M15	2	8	-52.5	-52.8	0.39	-41.3	-41	0.0
HE40, M0 to M11 1ss	1	8	-51.4		0.32	-43.1	-41	1.83
HE40, M0 to M11 1ss	2	8	-53.2	-53.7	0.32	-42.1	-41	0.86
HE40, M0 to M11 2ss	2	8	-53.2	-53.7	0.32	-42.1	-41	0.86
HE40 Beam Forming, M0 to M11 1ss	2	11	-58.1	-58.8	0.32	-44.1	-41	2.85
HE40 Beam Forming, M0 to M11 2ss	2	8	-53.2	-53.7	0.32	-42.1	-41	0.86
HE40 STBC, M0 to M11 2ss	2	8	-53.2	-53.7	0.32	-42.1	-41	0.86

Frequency 5530 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Duty Cycle (dB)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	8	-52.1		0.31	-43.8	-41	2.54
Non HT80, 6 to 54 Mbps	2	8	-54.7	-54.7	0.31	-43.4	-41	2.13
VHT80, M0 to M11 1ss	1	8	-51.1		0.62	-42.5	-41	1.23
VHT80, M0 to M11 1ss	2	8	-52.8	-54.1	0.62	-41.8	-41	0.52
VHT80, M0 to M11 2ss	2	8	-52.8	-54.1	0.62	-41.8	-41	0.52
VHT80 Beam Forming, M0 to M11 1ss	2	11	-56.4	-56.8	0.62	-42.0	-41	0.72
VHT80 Beam Forming, M0 to M11 2ss	2	8	-52.8	-54.1	0.62	-41.8	-41	0.52
VHT80 STBC, M0 to M11 2ss	2	8	-52.8	-54.1	0.62	-41.8	-41	0.52
HE80, M0 to M11 1ss	1	8	-51.8		0.35	-43.4	-41	2.2
HE80, M0 to M11 1ss	2	8	-54.9	-54.9	0.35	-43.5	-41	2.29
HE80, M0 to M11 2ss	2	8	-54.9	-54.9	0.35	-43.5	-41	2.29
HE80 Beam Forming, M0 to M11 1ss	2	11	-56.1	-57.7	0.35	-42.5	-41	1.21
HE80 Beam Forming, M0 to M11 2ss	2	8	-54.9	-54.9	0.35	-43.5	-41	2.29
HE80 STBC, M0 to M11 2ss	2	8	-54.9	-54.9	0.35	-43.5	-41	2.29

Frequency 5610 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Duty Cycle (dB)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	8	-50.0		0.31	-41.7	-41	0.44
Non HT80, 6 to 54 Mbps	2	8	-55.0	-56.6	0.31	-44.4	-41	3.16
VHT80, M0 to M11 1ss	1	8	-57.1		0.62	-48.5	-41	7.23
VHT80, M0 to M11 1ss	2	8	-57.1	-56.4	0.62	-45.1	-41	3.86
VHT80, M0 to M11 2ss	2	8	-57.1	-56.4	0.62	-45.1	-41	3.86
VHT80 Beam Forming, M0 to M11 1ss	2	11	-59.5	-59.0	0.62	-44.6	-41	3.36
VHT80 Beam Forming, M0 to M11 2ss	2	8	-57.1	-56.4	0.62	-45.1	-41	3.86
VHT80 STBC, M0 to M11 2ss	2	8	-57.1	-56.4	0.62	-45.1	-41	3.86
HE80, M0 to M11 1ss	1	8	-54.5		0.35	-46.1	-41	4.9
HE80, M0 to M11 1ss	2	8	-54.5	-53.1	0.35	-42.4	-41	1.13
HE80, M0 to M11 2ss	2	8	-54.5	-53.1	0.35	-42.4	-41	1.13
HE80 Beam Forming, M0 to M11 1ss	2	11	-59.6	-59.7	0.35	-45.3	-41	4.04
HE80 Beam Forming, M0 to M11 2ss	2	8	-54.5	-53.1	0.35	-42.4	-41	1.13
HE80 STBC, M0 to M11 2ss	2	8	-54.5	-53.1	0.35	-42.4	-41	1.13

Frequency 5670 MHz

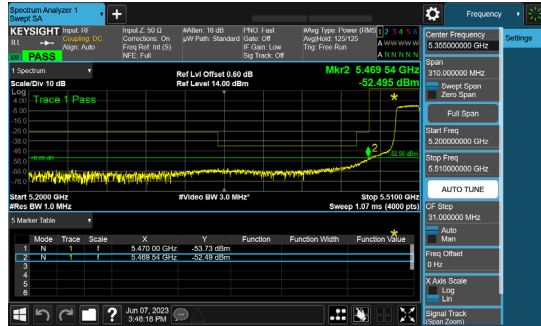
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Duty Cycle (dB)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	8	-54.5		0.23	-46.3	-41	5.02
Non HT40, 6 to 54 Mbps	2	8	-54.5	-54.0	0.23	-43.0	-41	1.75
HT/VHT40, M0 to M7	1	8	-52.5		0.39	-44.1	-41	2.86
HT/VHT40, M0 to M7	2	8	-58.0	-58.1	0.39	-46.7	-41	5.4
HT/VHT40, M8 to M15	2	8	-52.5	-55.0	0.39	-42.2	-41	0.93
HT/VHT40 Beam Forming, M0 to M7	2	11	-58.0	-58.1	0.39	-43.7	-41	2.4
HT/VHT40 Beam Forming, M8 to M15	2	8	-52.5	-55.0	0.39	-42.2	-41	0.93
HT/VHT40 STBC, M8 to M15	2	8	-52.5	-55.0	0.39	-42.2	-41	0.93
HE40, M0 to M11 1ss	1	8	-51.2		0.32	-42.9	-41	1.63
HE40, M0 to M11 1ss	2	8	-56.5	-58.3	0.32	-46.0	-41	4.73
HE40, M0 to M11 2ss	2	8	-56.5	-58.3	0.32	-46.0	-41	4.73
HE40 Beam Forming, M0 to M11 1ss	2	11	-56.5	-58.3	0.32	-43.0	-41	1.73
HE40 Beam Forming, M0 to M11 2ss	2	8	-56.5	-58.3	0.32	-46.0	-41	4.73
HE40 STBC, M0 to M11 2ss	2	8	-56.5	-58.3	0.32	-46.0	-41	4.73

Frequency 5700 MHz

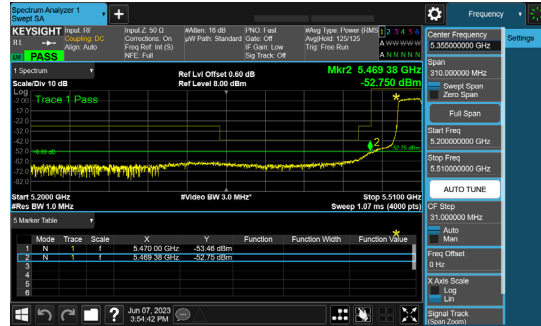
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Duty Cycle (dB)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-52.7		0.17	-44.5	-41	3.28
Non HT20, 6 to 54 Mbps	2	8	-57.9	-57.4	0.17	-46.5	-41	5.22
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-57.9	-57.4	0.17	-43.5	-41	2.22
HT/VHT20, M0 to M7	1	8	-52.1		0.66	-43.4	-41	2.19
HT/VHT20, M0 to M7	2	8	-58.2	-57.7	0.66	-46.3	-41	5.02
HT/VHT20, M8 to M15	2	8	-54.6	-55.0	0.66	-43.1	-41	1.88
HT/VHT20 Beam Forming, M0 to M7	2	11	-58.2	-57.7	0.66	-43.3	-41	2.02
HT/VHT20 Beam Forming, M8 to M15	2	8	-54.6	-55.0	0.66	-43.1	-41	1.88
HT/VHT20 STBC, M8 to M15	2	8	-54.6	-55.0	0.66	-43.1	-41	1.88
HE20, M0 to M11 1ss	1	8	-51.0		0.28	-42.7	-41	1.47
HE20, M0 to M11 1ss	2	8	-56.0	-56.0	0.28	-44.7	-41	3.46
HE20, M0 to M11 2ss	2	8	-53.7	-54.2	0.28	-42.7	-41	1.41
HE20 Beam Forming, M0 to M11 1ss	2	11	-56.0	-56.0	0.28	-41.7	-41	0.46
HE20 Beam Forming, M0 to M11 2ss	2	8	-53.7	-54.2	0.28	-42.7	-41	1.41
HE20 STBC, M0 to M11 2ss	2	8	-53.7	-54.2	0.28	-42.7	-41	1.41

Data Screenshots -Antenna gain 8dBi Average

5510 MHz: HT/VHT40, M0 to M7

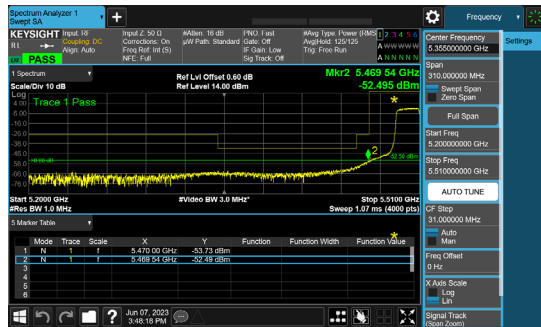


Antenna A

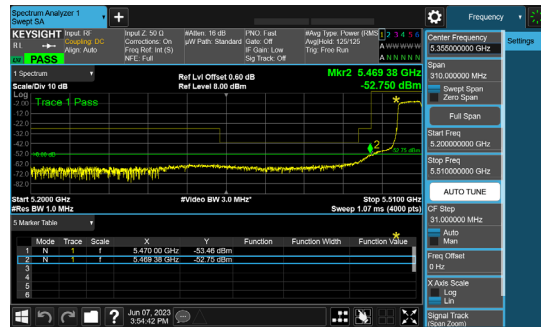


Antenna B

5510 MHz: HT/VHT40, M8 to M15

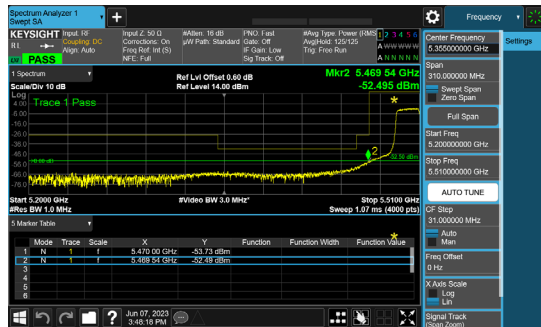


Antenna A

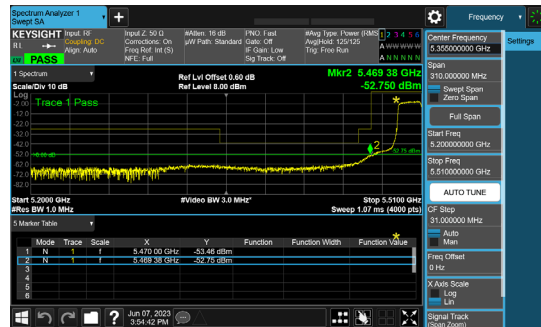


Antenna B

5510 MHz: HT/VHT40 Beam Forming, M8 to M15



Antenna A



Antenna B

Conducted Band edge Peak Table – 5G Antenna Gain 8dBi.**Frequency 5500 MHz**

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-42.7		-34.5	-27	7.53
Non HT20, 6 to 54 Mbps	2	8	-49.6	-48.8	-38.0	-27	11.0
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-49.6	-48.8	-35.0	-27	8.0
HT/VHT20, M0 to M7	1	8	-43.7		-35.0	-27	8.04
HT/VHT20, M0 to M7	2	8	-50.8	-50.4	-38.9	-27	11.93
HT/VHT20, M8 to M15	2	8	-48.1	-44.3	-34.1	-27	7.13
HT/VHT20 Beam Forming, M0 to M7	2	11	-50.8	-50.4	-35.9	-27	8.93
HT/VHT20 Beam Forming, M8 to M15	2	8	-48.1	-44.3	-34.1	-27	7.13
HT/VHT20 STBC, M8 to M15	2	8	-48.1	-44.3	-34.1	-27	7.13
HE20, M0 to M11 1ss	1	8	-40.5		-32.2	-27	5.22
HE20, M0 to M11 1ss	2	8	-50.5	-48.4	-38.0	-27	11.04
HE20, M0 to M11 2ss	2	8	-45.1	-46.5	-34.5	-27	7.46
HE20 Beam Forming, M0 to M11 1ss	2	11	-50.5	-48.4	-35.0	-27	8.04
HE20 Beam Forming, M0 to M11 2ss	2	8	-45.1	-46.5	-34.5	-27	7.46
HE20 STBC, M0 to M11 2ss	2	8	-45.1	-46.5	-34.5	-27	7.46

Frequency 5510 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Total Tx Band Edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	8	-38.8		-30.6	-27	3.57
Non HT40, 6 to 54 Mbps	2	8	-38.8	-40.7	-28.4	-27	1.41
HT/VHT40, M0 to M7	1	8	-40.8		-32.4	-27	5.41
HT/VHT40, M0 to M7	2	8	-40.8	-42.7	-30.2	-27	3.25
HT/VHT40, M8 to M15	2	8	-40.8	-42.7	-30.2	-27	3.25
HT/VHT40 Beam Forming, M0 to M7	2	11	-46.0	-43.8	-30.4	-27	3.37
HT/VHT40 Beam Forming, M8 to M15	2	8	-40.8	-42.7	-30.2	-27	3.25
HT/VHT40 STBC, M8 to M15	2	8	-40.8	-42.7	-30.2	-27	3.25
HE40, M0 to M11 1ss	1	8	-40.7		-32.4	-27	5.38
HE40, M0 to M11 1ss	2	8	-42.3	-42.9	-31.3	-27	4.26
HE40, M0 to M11 2ss	2	8	-42.3	-42.9	-31.3	-27	4.26
HE40 Beam Forming, M0 to M11 1ss	2	11	-47.5	-46.6	-32.7	-27	5.7
HE40 Beam Forming, M0 to M11 2ss	2	8	-42.3	-42.9	-31.3	-27	4.26
HE40 STBC, M0 to M11 2ss	2	8	-42.3	-42.9	-31.3	-27	4.26

Frequency 5530 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	8	-39.4		-31.1	-27	4.09
Non HT80, 6 to 54 Mbps	2	8	-43.6	-45.4	-33.1	-27	6.09
VHT80, M0 to M11 1ss	1	8	-38.0		-29.4	-27	2.38
VHT80, M0 to M11 1ss	2	8	-40.5	-42.2	-29.6	-27	2.64
VHT80, M0 to M11 2ss	2	8	-40.5	-42.2	-29.6	-27	2.64
VHT80 Beam Forming, M0 to M11 1ss	2	11	-44.3	-45.8	-30.4	-27	3.36
VHT80 Beam Forming, M0 to M11 2ss	2	8	-40.5	-42.2	-29.6	-27	2.64
VHT80 STBC, M0 to M11 2ss	2	8	-40.5	-42.2	-29.6	-27	2.64
HE80, M0 to M11 1ss	1	8	-41.8		-33.4	-27	6.45
HE80, M0 to M11 1ss	2	8	-44.3	-44.0	-32.8	-27	5.78
HE80, M0 to M11 2ss	2	8	-44.3	-44.0	-32.8	-27	5.78
HE80 Beam Forming, M0 to M11 1ss	2	11	-45.4	-47.3	-31.9	-27	4.88
HE80 Beam Forming, M0 to M11 2ss	2	8	-44.3	-44.0	-32.8	-27	5.78
HE80 STBC, M0 to M11 2ss	2	8	-44.3	-44.0	-32.8	-27	5.78

Frequency 5610 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	8	-39.6		-31.3	-27	4.29
Non HT80, 6 to 54 Mbps	2	8	-43.5	-43.5	-32.2	-27	5.18
VHT80, M0 to M11 1ss	1	8	-40.9		-32.3	-27	5.28
VHT80, M0 to M11 1ss	2	8	-40.9	-41.2	-29.4	-27	2.42
VHT80, M0 to M11 2ss	2	8	-40.9	-41.2	-29.4	-27	2.42
VHT80 Beam Forming, M0 to M11 1ss	2	11	-48.0	-48.7	-33.7	-27	6.71
VHT80 Beam Forming, M0 to M11 2ss	2	8	-40.9	-41.2	-29.4	-27	2.42
VHT80 STBC, M0 to M11 2ss	2	8	-40.9	-41.2	-29.4	-27	2.42
HE80, M0 to M11 1ss	1	8	-41.8		-33.4	-27	6.45
HE80, M0 to M11 1ss	2	8	-41.8	-38.5	-28.5	-27	1.48
HE80, M0 to M11 2ss	2	8	-41.8	-38.5	-28.5	-27	1.48
HE80 Beam Forming, M0 to M11 1ss	2	11	-48.6	-47.4	-33.6	-27	6.59
HE80 Beam Forming, M0 to M11 2ss	2	8	-41.8	-38.5	-28.5	-27	1.48
HE80 STBC, M0 to M11 2ss	2	8	-41.8	-38.5	-28.5	-27	1.48

Frequency 5670 MHz

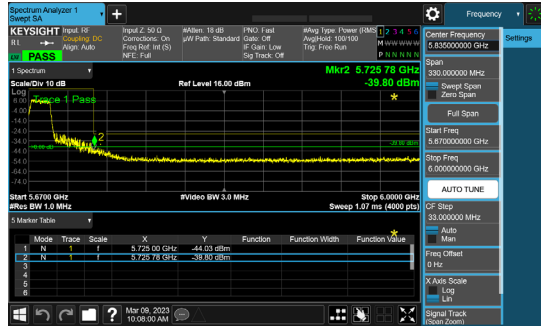
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	8	-39.8		-31.6	-27	4.57
Non HT40, 6 to 54 Mbps	2	8	-39.8	-38.8	-28.0	-27	1.03
HT/VHT40, M0 to M7	1	8	-39.6		-31.2	-27	4.21
HT/VHT40, M0 to M7	2	8	-46.4	-45.2	-34.4	-27	7.36
HT/VHT40, M8 to M15	2	8	-39.6	-41.6	-29.1	-27	2.09
HT/VHT40 Beam Forming, M0 to M7	2	11	-46.4	-45.2	-31.4	-27	4.36
HT/VHT40 Beam Forming, M8 to M15	2	8	-39.6	-41.6	-29.1	-27	2.09
HT/VHT40 STBC, M8 to M15	2	8	-39.6	-41.6	-29.1	-27	2.09
HE40, M0 to M11 1ss	1	8	-38.1		-29.8	-27	2.78
HE40, M0 to M11 1ss	2	8	-41.5	-45.8	-31.8	-27	4.81
HE40, M0 to M11 2ss	2	8	-41.5	-45.8	-31.8	-27	4.81
HE40 Beam Forming, M0 to M11 1ss	2	11	-41.5	-45.8	-28.8	-27	1.81
HE40 Beam Forming, M0 to M11 2ss	2	8	-41.5	-45.8	-31.8	-27	4.81
HE40 STBC, M0 to M11 2ss	2	8	-41.5	-45.8	-31.8	-27	4.81

Frequency 5700 MHz

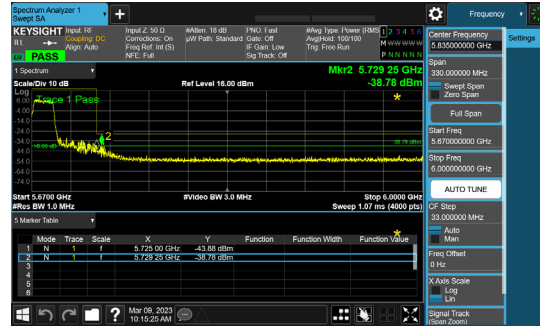
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-38.0		-29.8	-27	2.83
Non HT20, 6 to 54 Mbps	2	8	-46.6	-46.5	-35.4	-27	8.37
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-46.6	-46.5	-32.4	-27	5.37
HT/VHT20, M0 to M7	1	8	-41.4		-32.7	-27	5.74
HT/VHT20, M0 to M7	2	8	-45.2	-47.0	-34.3	-27	7.34
HT/VHT20, M8 to M15	2	8	-42.9	-43.3	-31.4	-27	4.43
HT/VHT20 Beam Forming, M0 to M7	2	11	-45.2	-47.0	-31.3	-27	4.34
HT/VHT20 Beam Forming, M8 to M15	2	8	-42.9	-43.3	-31.4	-27	4.43
HT/VHT20 STBC, M8 to M15	2	8	-42.9	-43.3	-31.4	-27	4.43
HE20, M0 to M11 1ss	1	8	-40.5		-32.2	-27	5.22
HE20, M0 to M11 1ss	2	8	-43.5	-45.3	-33.0	-27	6.02
HE20, M0 to M11 2ss	2	8	-40.6	-43.5	-30.5	-27	3.53
HE20 Beam Forming, M0 to M11 1ss	2	11	-43.5	-45.3	-30.0	-27	3.02
HE20 Beam Forming, M0 to M11 2ss	2	8	-40.6	-43.5	-30.5	-27	3.53
HE20 STBC, M0 to M11 2ss	2	8	-40.6	-43.5	-30.5	-27	3.53

Data Screenshots – Antenna gain 8dBi Peak

5670 MHz: Non HT40, 6 to 54 Mbps

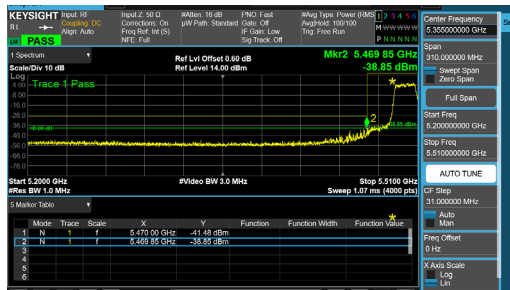


Antenna A

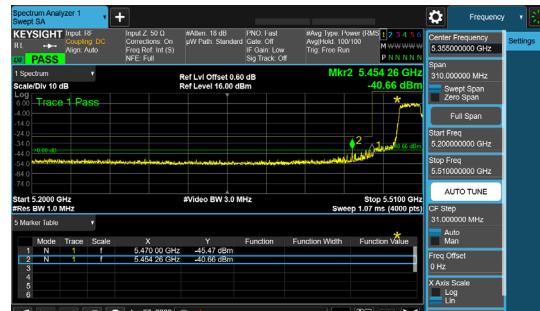


Antenna B

5510 MHz: Non HT40, 6 to 54 Mbps



Antenna A



Antenna B

5610 MHz: HE80, M0 to M11 1ss



Antenna A



Antenna B

Conducted Band edge Average Table – 5G Antenna Gain 10dBi.**Frequency 5500 MHz**

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Duty Cycle (dB)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	10	-56.9		0.17	-46.7	-41	5.48
Non HT20, 6 to 54 Mbps	2	10	-61.1	-60.8	0.17	-47.8	-41	6.52
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-61.1	-60.8	0.17	-47.8	-41	6.52
HT/VHT20, M0 to M7	1	10	-55.7		0.66	-45.0	-41	3.79
HT/VHT20, M0 to M7	2	10	-59.9	-61.1	0.66	-46.8	-41	5.54
HT/VHT20, M8 to M15	2	10	-59.9	-61.1	0.66	-46.8	-41	5.54
HT/VHT20 Beam Forming, M0 to M7	2	10	-59.9	-61.1	0.66	-46.8	-41	5.54
HT/VHT20 Beam Forming, M8 to M15	2	10	-59.9	-61.1	0.66	-46.8	-41	5.54
HT/VHT20 STBC, M8 to M15	2	10	-59.9	-61.1	0.66	-46.8	-41	5.54
HE20, M0 to M11 1ss	1	10	-57.1		0.28	-46.8	-41	5.57
HE20, M0 to M11 1ss	2	10	-60.1	-60.9	0.28	-47.2	-41	5.95
HE20, M0 to M11 2ss	2	10	-60.1	-60.9	0.28	-47.2	-41	5.95
HE20 Beam Forming, M0 to M11 1ss	2	10	-60.1	-60.9	0.28	-47.2	-41	5.95
HE20 Beam Forming, M0 to M11 2ss	2	10	-60.1	-60.9	0.28	-47.2	-41	5.95
HE20 STBC, M0 to M11 2ss	2	10	-60.1	-60.9	0.28	-47.2	-41	5.95

Frequency 5510 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Duty Cycle (dB)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	10	-53.8		0.23	-43.6	-41	2.32
Non HT40, 6 to 54 Mbps	2	10	-56.9	-57.8	0.23	-44.1	-41	2.84
HT/VHT40, M0 to M7	1	10	-52.5		0.39	-42.1	-41	0.86
HT/VHT40, M0 to M7	2	10	-57.0	-57.1	0.39	-43.7	-41	2.4
HT/VHT40, M8 to M15	2	10	-57.0	-57.1	0.39	-43.7	-41	2.4
HT/VHT40 Beam Forming, M0 to M7	2	10	-57.0	-57.1	0.39	-43.7	-41	2.4
HT/VHT40 Beam Forming, M8 to M15	2	10	-57.0	-57.1	0.39	-43.7	-41	2.4
HT/VHT40 STBC, M8 to M15	2	10	-57.0	-57.1	0.39	-43.7	-41	2.4
HE40, M0 to M11 1ss	1	10	-53.2		0.32	-42.9	-41	1.63
HE40, M0 to M11 1ss	2	10	-54.6	-56.1	0.32	-42.0	-41	0.7
HE40, M0 to M11 2ss	2	10	-54.6	-56.1	0.32	-42.0	-41	0.7
HE40 Beam Forming, M0 to M11 1ss	2	10	-54.6	-56.1	0.32	-42.0	-41	0.7
HE40 Beam Forming, M0 to M11 2ss	2	10	-54.6	-56.1	0.32	-42.0	-41	0.7
HE40 STBC, M0 to M11 2ss	2	10	-54.6	-56.1	0.32	-42.0	-41	0.7

Frequency 5530 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Duty Cycle (dB)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	10	-52.1		0.31	-41.8	-41	0.54
Non HT80, 6 to 54 Mbps	2	10	-54.7	-54.7	0.31	-41.4	-41	0.13
VHT80, M0 to M11 1ss	1	10	-52.8		0.62	-42.2	-41	0.93
VHT80, M0 to M11 1ss	2	10	-56.4	-56.8	0.62	-43.0	-41	1.72
VHT80, M0 to M11 2ss	2	10	-56.4	-56.8	0.62	-43.0	-41	1.72
VHT80 Beam Forming, M0 to M11 1ss	2	10	-56.4	-56.8	0.62	-43.0	-41	1.72
VHT80 Beam Forming, M0 to M11 2ss	2	10	-56.4	-56.8	0.62	-43.0	-41	1.72
VHT80 STBC, M0 to M11 2ss	2	10	-56.4	-56.8	0.62	-43.0	-41	1.72
HE80, M0 to M11 1ss	1	10	-51.8		0.35	-41.4	-41	0.2
HE80, M0 to M11 1ss	2	10	-54.9	-54.9	0.35	-41.5	-41	0.29
HE80, M0 to M11 2ss	2	10	-54.9	-54.9	0.35	-41.5	-41	0.29
HE80 Beam Forming, M0 to M11 1ss	2	10	-54.9	-54.9	0.35	-41.5	-41	0.29
HE80 Beam Forming, M0 to M11 2ss	2	10	-54.9	-54.9	0.35	-41.5	-41	0.29
HE80 STBC, M0 to M11 2ss	2	10	-54.9	-54.9	0.35	-41.5	-41	0.29

Frequency 5610 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Duty Cycle (dB)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	10	-55.0		0.31	-44.7	-41	3.44
Non HT80, 6 to 54 Mbps	2	10	-55.0	-56.6	0.31	-42.4	-41	1.16
VHT80, M0 to M11 1ss	1	10	-57.1		0.62	-46.5	-41	5.23
VHT80, M0 to M11 1ss	2	10	-59.7	-59.0	0.62	-45.7	-41	4.46
VHT80, M0 to M11 2ss	2	10	-59.7	-59.0	0.62	-45.7	-41	4.46
VHT80 Beam Forming, M0 to M11 1ss	2	10	-59.7	-59.0	0.62	-45.7	-41	4.46
VHT80 Beam Forming, M0 to M11 2ss	2	10	-59.7	-59.0	0.62	-45.7	-41	4.46
VHT80 STBC, M0 to M11 2ss	2	10	-59.7	-59.0	0.62	-45.7	-41	4.46
HE80, M0 to M11 1ss	1	10	-54.5		0.35	-44.1	-41	2.9
HE80, M0 to M11 1ss	2	10	-58.4	-58.1	0.35	-44.9	-41	3.63
HE80, M0 to M11 2ss	2	10	-58.4	-58.1	0.35	-44.9	-41	3.63
HE80 Beam Forming, M0 to M11 1ss	2	10	-58.4	-58.1	0.35	-44.9	-41	3.63
HE80 Beam Forming, M0 to M11 2ss	2	10	-58.4	-58.1	0.35	-44.9	-41	3.63
HE80 STBC, M0 to M11 2ss	2	10	-58.4	-58.1	0.35	-44.9	-41	3.63

Frequency 5670 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Duty Cycle (dB)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	10	-54.5		0.23	-44.3	-41	3.02
Non HT40, 6 to 54 Mbps	2	10	-56.7	-60.1	0.23	-44.8	-41	3.59
HT/VHT40, M0 to M7	1	10	-52.5		0.39	-42.1	-41	0.86
HT/VHT40, M0 to M7	2	10	-58.0	-58.1	0.39	-44.7	-41	3.4
HT/VHT40, M8 to M15	2	10	-58.0	-58.1	0.39	-44.7	-41	3.4
HT/VHT40 Beam Forming, M0 to M7	2	10	-58.0	-58.1	0.39	-44.7	-41	3.4
HT/VHT40 Beam Forming, M8 to M15	2	10	-58.0	-58.1	0.39	-44.7	-41	3.4
HT/VHT40 STBC, M8 to M15	2	10	-58.0	-58.1	0.39	-44.7	-41	3.4
HE40, M0 to M11 1ss	1	10	-56.5		0.32	-46.2	-41	4.93
HE40, M0 to M11 1ss	2	10	-56.5	-58.3	0.32	-44.0	-41	2.73
HE40, M0 to M11 2ss	2	10	-56.5	-58.3	0.32	-44.0	-41	2.73
HE40 Beam Forming, M0 to M11 1ss	2	10	-56.5	-58.3	0.32	-44.0	-41	2.73
HE40 Beam Forming, M0 to M11 2ss	2	10	-56.5	-58.3	0.32	-44.0	-41	2.73
HE40 STBC, M0 to M11 2ss	2	10	-56.5	-58.3	0.32	-44.0	-41	2.73

Frequency 5700 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Band edge Level (dBm)	Tx 2 Band edge Level (dBm)	Duty Cycle (dB)	Total Tx Band edge Level (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	10	-52.7		0.17	-42.5	-41	1.28
Non HT20, 6 to 54 Mbps	2	10	-57.9	-57.4	0.17	-44.5	-41	3.22
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-57.9	-57.4	0.17	-44.5	-41	3.22
HT/VHT20, M0 to M7	1	10	-52.1		0.66	-41.4	-41	0.19
HT/VHT20, M0 to M7	2	10	-58.2	-57.7	0.66	-44.3	-41	3.02
HT/VHT20, M8 to M15	2	10	-58.2	-57.7	0.66	-44.3	-41	3.02
HT/VHT20 Beam Forming, M0 to M7	2	10	-58.2	-57.7	0.66	-44.3	-41	3.02
HT/VHT20 Beam Forming, M8 to M15	2	10	-58.2	-57.7	0.66	-44.3	-41	3.02
HT/VHT20 STBC, M8 to M15	2	10	-58.2	-57.7	0.66	-44.3	-41	3.02
HE20, M0 to M11 1ss	1	10	-53.7		0.28	-43.4	-41	2.17
HE20, M0 to M11 1ss	2	10	-56.0	-56.0	0.28	-42.7	-41	1.46
HE20, M0 to M11 2ss	2	10	-56.0	-56.0	0.28	-42.7	-41	1.46
HE20 Beam Forming, M0 to M11 1ss	2	10	-56.0	-56.0	0.28	-42.7	-41	1.46
HE20 Beam Forming, M0 to M11 2ss	2	10	-56.0	-56.0	0.28	-42.7	-41	1.46
HE20 STBC, M0 to M11 2ss	2	10	-56.0	-56.0	0.28	-42.7	-41	1.46