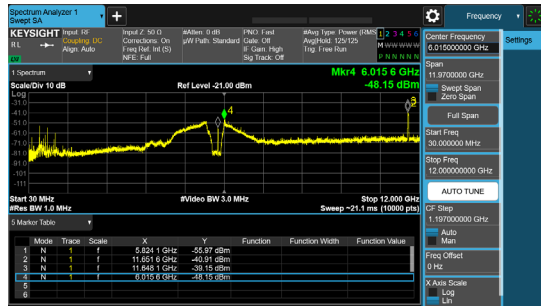
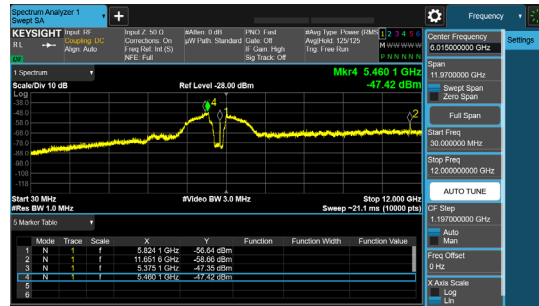


Data Screenshots – Antenna gain 3dBi peak.

5825 MHz: Non HT20 Beam Forming, 6 to 54 Mbps

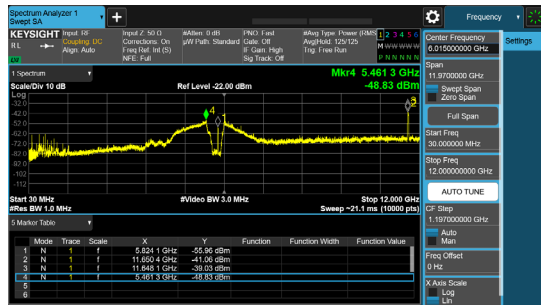


Antenna A

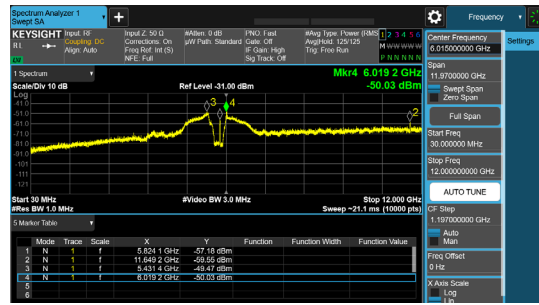


Antenna B

5825 MHz: HT/VHT20 Beam Forming, M0 to M7

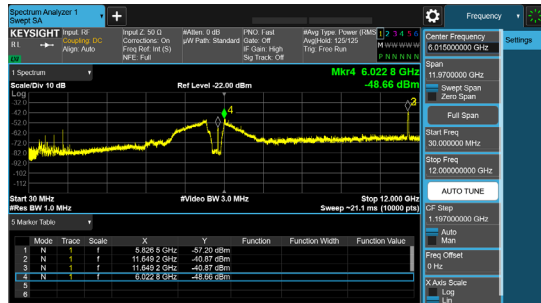


Antenna A

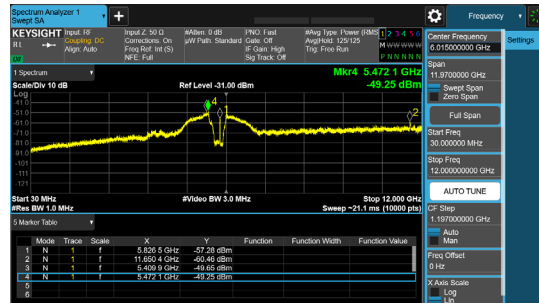


Antenna B

5825 MHz: HE20 Beam Forming, M0 to M11 1ss



Antenna A



Antenna B

Conducted Spurious emissions Average – Antenna gain 8dBi.**Frequency 5745 MHz**

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-52.5		0.46	-44.0	-41	2.79
Non HT20, 6 to 54 Mbps	2	8	-52.5	-58.1	0.46	-43.0	-41	1.74
Non HT20 Beam Forming, 6 to 54 Mbps	2	8	-52.5	-58.1	0.46	-43.0	-41	1.74
HT/VHT20, M0 to M7	1	8	-54.3		0.21	-46.1	-41	4.83
HT/VHT20, M0 to M7	2	8	-54.3	-58.6	0.21	-44.7	-41	3.46
HT/VHT20, M8 to M15	2	8	-54.3	-58.6	0.21	-44.7	-41	3.46
HT/VHT20 Beam Forming, M0 to M7	2	8	-54.3	-58.6	0.21	-44.7	-41	3.46
HT/VHT20 Beam Forming, M8 to M15	2	8	-54.3	-58.6	0.21	-44.7	-41	3.46
HT/VHT20 STBC, M8 to M15	2	8	-54.3	-58.6	0.21	-44.7	-41	3.46
HE20, M0 to M11 1ss	1	8	-54.4		0.21	-46.2	-41	4.94
HE20, M0 to M11 1ss	2	8	-54.4	-58.4	0.21	-44.7	-41	3.48
HE20, M0 to M11 2ss	2	8	-54.4	-58.4	0.21	-44.7	-41	3.48
HE20 Beam Forming, M0 to M11 1ss	2	8	-54.4	-58.4	0.21	-44.7	-41	3.48
HE20 Beam Forming, M0 to M11 2ss	2	8	-54.4	-58.4	0.21	-44.7	-41	3.48
HE20 STBC, M0 to M11 2ss	2	8	-54.4	-58.4	0.21	-44.7	-41	3.48

Frequency 5755 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	8	-54.4		0.51	-45.9	-41	4.64
Non HT40, 6 to 54 Mbps	2	8	-54.4	-58.8	0.51	-44.5	-41	3.3
HT/VHT40, M0 to M7	1	8	-53.9		0.54	-45.4	-41	4.11
HT/VHT40, M0 to M7	2	8	-53.9	-58.6	0.54	-44.1	-41	2.84
HT/VHT40, M8 to M15	2	8	-53.9	-58.6	0.54	-44.1	-41	2.84
HT/VHT40 Beam Forming, M0 to M7	2	8	-53.9	-58.6	0.54	-44.1	-41	2.84
HT/VHT40 Beam Forming, M8 to M15	2	8	-53.9	-58.6	0.54	-44.1	-41	2.84
HT/VHT40 STBC, M8 to M15	2	8	-53.9	-58.6	0.54	-44.1	-41	2.84
HE40, M0 to M11 1ss	1	8	-56.6		0.22	-48.4	-41	7.13
HE40, M0 to M11 1ss	2	8	-56.6	-58.3	0.22	-46.1	-41	4.89
HE40, M0 to M11 2ss	2	8	-56.6	-58.3	0.22	-46.1	-41	4.89
HE40 Beam Forming, M0 to M11 1ss	2	8	-56.6	-58.3	0.22	-46.1	-41	4.89
HE40 Beam Forming, M0 to M11 2ss	2	8	-56.6	-58.3	0.22	-46.1	-41	4.89
HE40 STBC, M0 to M11 2ss	2	8	-56.6	-58.3	0.22	-46.1	-41	4.89

Frequency 5775 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	8	-56.2		0.23	-48.0	-41	6.72
Non HT80, 6 to 54 Mbps	2	8	-56.2	-57.9	0.23	-45.7	-41	4.48
VHT80, M0 to M11 1ss	1	8	-54.4		0.54	-45.9	-41	4.61
VHT80, M0 to M11 1ss	2	8	-54.4	-58.3	0.54	-44.4	-41	3.12
VHT80, M0 to M11 2ss	2	8	-54.4	-58.3	0.54	-44.4	-41	3.12
VHT80 Beam Forming, M0 to M11 1ss	2	8	-54.4	-58.3	0.54	-44.4	-41	3.12
VHT80 Beam Forming, M0 to M11 2ss	2	8	-54.4	-58.3	0.54	-44.4	-41	3.12
VHT80 STBC, M0 to M11 2ss	2	8	-54.4	-58.3	0.54	-44.4	-41	3.12
HE80, M0 to M11 1ss	1	8	-54.2		0.28	-45.9	-41	4.67
HE80, M0 to M11 1ss	2	8	-54.2	-58.4	0.28	-44.5	-41	3.27
HE80, M0 to M11 2ss	2	8	-54.2	-58.4	0.28	-44.5	-41	3.27
HE80 Beam Forming, M0 to M11 1ss	2	8	-54.2	-58.4	0.28	-44.5	-41	3.27
HE80 Beam Forming, M0 to M11 2ss	2	8	-54.2	-58.4	0.28	-44.5	-41	3.27
HE80 STBC, M0 to M11 2ss	2	8	-54.2	-58.4	0.28	-44.5	-41	3.27

Frequency 5785 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-51.8		0.46	-43.3	-41	2.09
Non HT20, 6 to 54 Mbps	2	8	-51.8	-57.9	0.46	-42.4	-41	1.14
Non HT20 Beam Forming, 6 to 54 Mbps	2	8	-51.8	-57.9	0.46	-42.4	-41	1.14
HT/VHT20, M0 to M7	1	8	-53.2		0.21	-45.0	-41	3.73
HT/VHT20, M0 to M7	2	8	-53.2	-58.2	0.21	-43.8	-41	2.54
HT/VHT20, M8 to M15	2	8	-53.2	-58.2	0.21	-43.8	-41	2.54
HT/VHT20 Beam Forming, M0 to M7	2	8	-53.2	-58.2	0.21	-43.8	-41	2.54
HT/VHT20 Beam Forming, M8 to M15	2	8	-53.2	-58.2	0.21	-43.8	-41	2.54
HT/VHT20 STBC, M8 to M15	2	8	-53.2	-58.2	0.21	-43.8	-41	2.54
HE20, M0 to M11 1ss	1	8	-53.0		0.21	-44.8	-41	3.54
HE20, M0 to M11 1ss	2	8	-53.0	-57.9	0.21	-43.6	-41	2.32
HE20, M0 to M11 2ss	2	8	-53.0	-57.9	0.21	-43.6	-41	2.32
HE20 Beam Forming, M0 to M11 1ss	2	8	-53.0	-57.9	0.21	-43.6	-41	2.32
HE20 Beam Forming, M0 to M11 2ss	2	8	-53.0	-57.9	0.21	-43.6	-41	2.32
HE20 STBC, M0 to M11 2ss	2	8	-53.0	-57.9	0.21	-43.6	-41	2.32

Frequency 5795 MHz

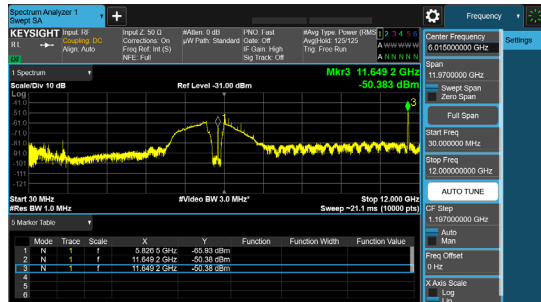
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	8	-53.8		0.51	-45.3	-41	4.04
Non HT40, 6 to 54 Mbps	2	8	-53.8	-58.0	0.51	-43.9	-41	2.65
HT/VHT40, M0 to M7	1	8	-54.0		0.54	-45.5	-41	4.21
HT/VHT40, M0 to M7	2	8	-54.0	-56.3	0.54	-43.4	-41	2.19
HT/VHT40, M8 to M15	2	8	-54.0	-56.3	0.54	-43.4	-41	2.19
HT/VHT40 Beam Forming, M0 to M7	2	8	-54.0	-56.3	0.54	-43.4	-41	2.19
HT/VHT40 Beam Forming, M8 to M15	2	8	-54.0	-56.3	0.54	-43.4	-41	2.19
HT/VHT40 STBC, M8 to M15	2	8	-54.0	-56.3	0.54	-43.4	-41	2.19
HE40, M0 to M11 1ss	1	8	-54.4		0.22	-46.2	-41	4.93
HE40, M0 to M11 1ss	2	8	-54.4	-57.8	0.22	-44.5	-41	3.3
HE40, M0 to M11 2ss	2	8	-54.4	-57.8	0.22	-44.5	-41	3.3
HE40 Beam Forming, M0 to M11 1ss	2	8	-54.4	-57.8	0.22	-44.5	-41	3.3
HE40 Beam Forming, M0 to M11 2ss	2	8	-54.4	-57.8	0.22	-44.5	-41	3.3
HE40 STBC, M0 to M11 2ss	2	8	-54.4	-57.8	0.22	-44.5	-41	3.3

Frequency 5825 MHz

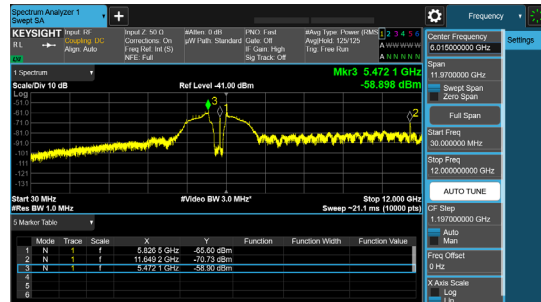
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-51.2		0.46	-42.7	-41	1.49
Non HT20, 6 to 54 Mbps	2	8	-51.2	-58.3	0.46	-42.0	-41	0.72
Non HT20 Beam Forming, 6 to 54 Mbps	2	8	-51.2	-58.3	0.46	-42.0	-41	0.72
HT/VHT20, M0 to M7	1	8	-50.4		0.21	-42.2	-41	0.94
HT/VHT20, M0 to M7	2	8	-50.4	-58.9	0.21	-41.6	-41	0.36
HT/VHT20, M8 to M15	2	8	-50.4	-58.9	0.21	-41.6	-41	0.36
HT/VHT20 Beam Forming, M0 to M7	2	8	-50.4	-58.9	0.21	-41.6	-41	0.36
HT/VHT20 Beam Forming, M8 to M15	2	8	-50.4	-58.9	0.21	-41.6	-41	0.36
HT/VHT20 STBC, M8 to M15	2	8	-50.4	-58.9	0.21	-41.6	-41	0.36
HE20, M0 to M11 1ss	1	8	-50.8		0.21	-42.6	-41	1.34
HE20, M0 to M11 1ss	2	8	-50.8	-58.1	0.21	-41.8	-41	0.6
HE20, M0 to M11 2ss	2	8	-50.8	-58.1	0.21	-41.8	-41	0.6
HE20 Beam Forming, M0 to M11 1ss	2	8	-50.8	-58.1	0.21	-41.8	-41	0.6
HE20 Beam Forming, M0 to M11 2ss	2	8	-50.8	-58.1	0.21	-41.8	-41	0.6
HE20 STBC, M0 to M11 2ss	2	8	-50.8	-58.1	0.21	-41.8	-41	0.6

Data Screenshots – Antenna gain 8dBi average.

5825 MHz: HT/VHT20, M0 to M7

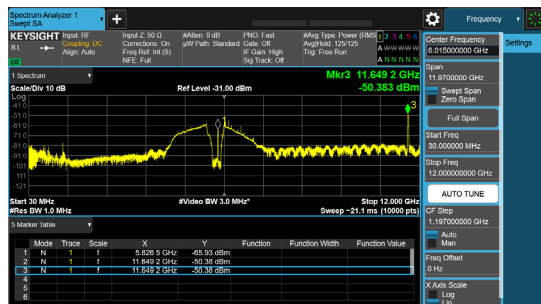


Antenna A

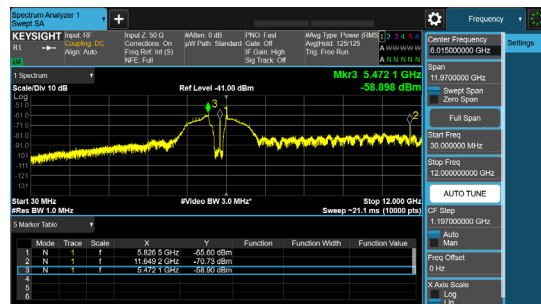


Antenna B

5825 MHz: HT/VHT20, M8 to M15

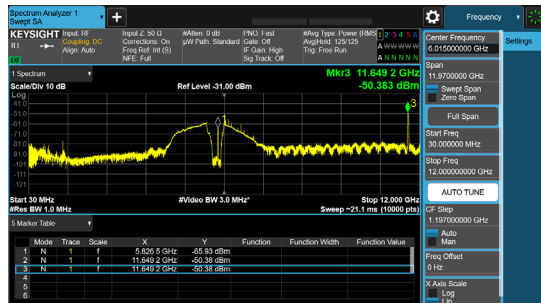


Antenna A

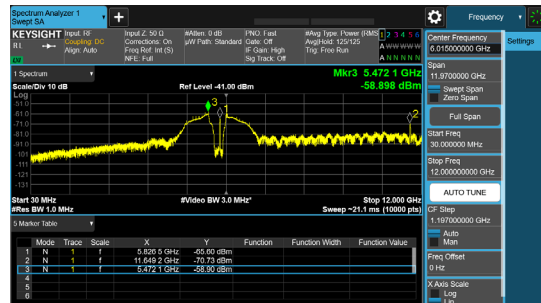


Antenna B

5825 MHz: HT/VHT20 Beam Forming, M0 to M7



Antenna A



Antenna B

Conducted Spurious emissions Peak – Antenna gain 8dBi.

Frequency 5745 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-41.4		0.46	-32.9	-27	5.94
Non HT20, 6 to 54 Mbps	2	8	-41.4	-51.0	0.46	-32.5	-27	5.49
Non HT20 Beam Forming, 6 to 54 Mbps	2	8	-41.4	-51.0	0.46	-32.5	-27	5.49
HT/VHT20, M0 to M7	1	8	-43.5		0.21	-35.3	-27	8.29
HT/VHT20, M0 to M7	2	8	-43.5	-49.6	0.21	-34.3	-27	7.33
HT/VHT20, M8 to M15	2	8	-43.5	-49.6	0.21	-34.3	-27	7.33
HT/VHT20 Beam Forming, M0 to M7	2	8	-43.5	-49.6	0.21	-34.3	-27	7.33
HT/VHT20 Beam Forming, M8 to M15	2	8	-43.5	-49.6	0.21	-34.3	-27	7.33
HT/VHT20 STBC, M8 to M15	2	8	-43.5	-49.6	0.21	-34.3	-27	7.33
HE20, M0 to M11 1ss	1	8	-44.0		0.21	-35.8	-27	8.79
HE20, M0 to M11 1ss	2	8	-44.0	-49.4	0.21	-34.7	-27	7.69
HE20, M0 to M11 2ss	2	8	-44.0	-49.4	0.21	-34.7	-27	7.69
HE20 Beam Forming, M0 to M11 1ss	2	8	-44.0	-49.4	0.21	-34.7	-27	7.69
HE20 Beam Forming, M0 to M11 2ss	2	8	-44.0	-49.4	0.21	-34.7	-27	7.69
HE20 STBC, M0 to M11 2ss	2	8	-44.0	-49.4	0.21	-34.7	-27	7.69

Frequency 5755 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	8	-43.3		0.51	-34.8	-27	7.79
Non HT40, 6 to 54 Mbps	2	8	-43.3	-49.6	0.51	-33.9	-27	6.88
HT/VHT40, M0 to M7	1	8	-45.9		0.54	-37.4	-27	10.36
HT/VHT40, M0 to M7	2	8	-45.9	-50.3	0.54	-36.0	-27	9.01
HT/VHT40, M8 to M15	2	8	-45.9	-50.3	0.54	-36.0	-27	9.01
HT/VHT40 Beam Forming, M0 to M7	2	8	-45.9	-50.3	0.54	-36.0	-27	9.01
HT/VHT40 Beam Forming, M8 to M15	2	8	-45.9	-50.3	0.54	-36.0	-27	9.01
HT/VHT40 STBC, M8 to M15	2	8	-45.9	-50.3	0.54	-36.0	-27	9.01
HE40, M0 to M11 1ss	1	8	-46.3		0.22	-38.1	-27	11.08
HE40, M0 to M11 1ss	2	8	-46.3	-50.2	0.22	-36.6	-27	9.6
HE40, M0 to M11 2ss	2	8	-46.3	-50.2	0.22	-36.6	-27	9.6
HE40 Beam Forming, M0 to M11 1ss	2	8	-46.3	-50.2	0.22	-36.6	-27	9.6
HE40 Beam Forming, M0 to M11 2ss	2	8	-46.3	-50.2	0.22	-36.6	-27	9.6
HE40 STBC, M0 to M11 2ss	2	8	-46.3	-50.2	0.22	-36.6	-27	9.6

Frequency 5775 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	8	-46.9		0.23	-38.7	-27	11.67
Non HT80, 6 to 54 Mbps	2	8	-46.9	-50.1	0.23	-37.0	-27	9.97
VHT80, M0 to M11 1ss	1	8	-47.2		0.54	-38.7	-27	11.66
VHT80, M0 to M11 1ss	2	8	-47.2	-50.5	0.54	-37.0	-27	9.99
VHT80, M0 to M11 2ss	2	8	-47.2	-50.5	0.54	-37.0	-27	9.99
VHT80 Beam Forming, M0 to M11 1ss	2	8	-47.2	-50.5	0.54	-37.0	-27	9.99
VHT80 Beam Forming, M0 to M11 2ss	2	8	-47.2	-50.5	0.54	-37.0	-27	9.99
VHT80 STBC, M0 to M11 2ss	2	8	-47.2	-50.5	0.54	-37.0	-27	9.99
HE80, M0 to M11 1ss	1	8	-45.3		0.28	-37.0	-27	10.02
HE80, M0 to M11 1ss	2	8	-45.3	-51.0	0.28	-36.0	-27	8.99
HE80, M0 to M11 2ss	2	8	-45.3	-51.0	0.28	-36.0	-27	8.99
HE80 Beam Forming, M0 to M11 1ss	2	8	-45.3	-51.0	0.28	-36.0	-27	8.99
HE80 Beam Forming, M0 to M11 2ss	2	8	-45.3	-51.0	0.28	-36.0	-27	8.99
HE80 STBC, M0 to M11 2ss	2	8	-45.3	-51.0	0.28	-36.0	-27	8.99

Frequency 5785 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-41.2		0.46	-32.7	-27	5.74
Non HT20, 6 to 54 Mbps	2	8	-41.2	-49.8	0.46	-32.2	-27	5.18
Non HT20 Beam Forming, 6 to 54 Mbps	2	8	-41.2	-49.8	0.46	-32.2	-27	5.18
HT/VHT20, M0 to M7	1	8	-42.7		0.21	-34.5	-27	7.49
HT/VHT20, M0 to M7	2	8	-42.7	-50.8	0.21	-33.9	-27	6.86
HT/VHT20, M8 to M15	2	8	-42.7	-50.8	0.21	-33.9	-27	6.86
HT/VHT20 Beam Forming, M0 to M7	2	8	-42.7	-50.8	0.21	-33.9	-27	6.86
HT/VHT20 Beam Forming, M8 to M15	2	8	-42.7	-50.8	0.21	-33.9	-27	6.86
HT/VHT20 STBC, M8 to M15	2	8	-42.7	-50.8	0.21	-33.9	-27	6.86
HE20, M0 to M11 1ss	1	8	-43.2		0.21	-35.0	-27	7.99
HE20, M0 to M11 1ss	2	8	-43.2	-50.2	0.21	-34.2	-27	7.2
HE20, M0 to M11 2ss	2	8	-43.2	-50.2	0.21	-34.2	-27	7.2
HE20 Beam Forming, M0 to M11 1ss	2	8	-43.2	-50.2	0.21	-34.2	-27	7.2
HE20 Beam Forming, M0 to M11 2ss	2	8	-43.2	-50.2	0.21	-34.2	-27	7.2
HE20 STBC, M0 to M11 2ss	2	8	-43.2	-50.2	0.21	-34.2	-27	7.2

Frequency 5795 MHz

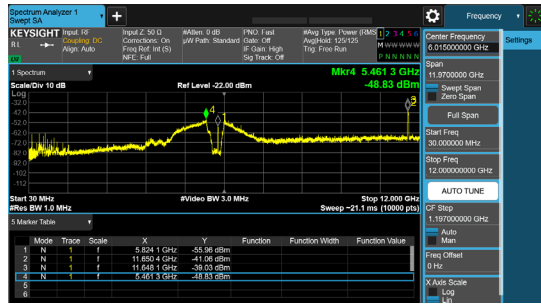
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	8	-42.9		0.51	-34.4	-27	7.39
Non HT40, 6 to 54 Mbps	2	8	-42.9	-50.7	0.51	-33.7	-27	6.73
HT/VHT40, M0 to M7	1	8	-43.7		0.54	-35.2	-27	8.16
HT/VHT40, M0 to M7	2	8	-43.7	-47.0	0.54	-33.5	-27	6.49
HT/VHT40, M8 to M15	2	8	-43.7	-47.0	0.54	-33.5	-27	6.49
HT/VHT40 Beam Forming, M0 to M7	2	8	-43.7	-47.0	0.54	-33.5	-27	6.49
HT/VHT40 Beam Forming, M8 to M15	2	8	-43.7	-47.0	0.54	-33.5	-27	6.49
HT/VHT40 STBC, M8 to M15	2	8	-43.7	-47.0	0.54	-33.5	-27	6.49
HE40, M0 to M11 1ss	1	8	-43.1		0.22	-34.9	-27	7.88
HE40, M0 to M11 1ss	2	8	-43.1	-50.0	0.22	-34.1	-27	7.08
HE40, M0 to M11 2ss	2	8	-43.1	-50.0	0.22	-34.1	-27	7.08
HE40 Beam Forming, M0 to M11 1ss	2	8	-43.1	-50.0	0.22	-34.1	-27	7.08
HE40 Beam Forming, M0 to M11 2ss	2	8	-43.1	-50.0	0.22	-34.1	-27	7.08
HE40 STBC, M0 to M11 2ss	2	8	-43.1	-50.0	0.22	-34.1	-27	7.08

Frequency 5825 MHz

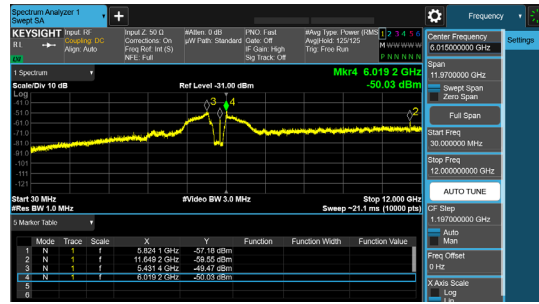
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-41.2		0.46	-32.7	-27	5.74
Non HT20, 6 to 54 Mbps	2	8	-41.2	-50.0	0.46	-32.2	-27	5.21
Non HT20 Beam Forming, 6 to 54 Mbps	2	8	-41.2	-50.0	0.46	-32.2	-27	5.21
HT/VHT20, M0 to M7	1	8	-39.0		0.21	-30.8	-27	3.79
HT/VHT20, M0 to M7	2	8	-39.0	-49.5	0.21	-30.4	-27	3.41
HT/VHT20, M8 to M15	2	8	-39.0	-49.5	0.21	-30.4	-27	3.41
HT/VHT20 Beam Forming, M0 to M7	2	8	-39.0	-49.5	0.21	-30.4	-27	3.41
HT/VHT20 Beam Forming, M8 to M15	2	8	-39.0	-49.5	0.21	-30.4	-27	3.41
HT/VHT20 STBC, M8 to M15	2	8	-39.0	-49.5	0.21	-30.4	-27	3.41
HE20, M0 to M11 1ss	1	8	-40.9		0.21	-32.7	-27	5.69
HE20, M0 to M11 1ss	2	8	-40.9	-49.6	0.21	-32.1	-27	5.14
HE20, M0 to M11 2ss	2	8	-40.9	-49.6	0.21	-32.1	-27	5.14
HE20 Beam Forming, M0 to M11 1ss	2	8	-40.9	-49.6	0.21	-32.1	-27	5.14
HE20 Beam Forming, M0 to M11 2ss	2	8	-40.9	-49.6	0.21	-32.1	-27	5.14
HE20 STBC, M0 to M11 2ss	2	8	-40.9	-49.6	0.21	-32.1	-27	5.14

Data Screenshots – Antenna gain 8dBi.

5825 MHz: HT/VHT20, M0 to M7

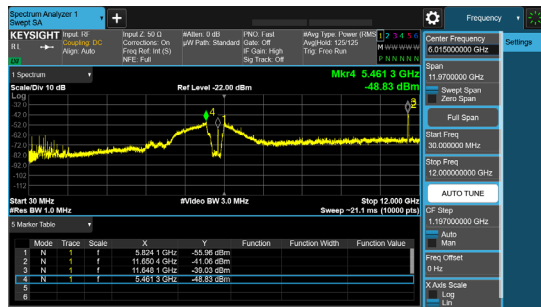


Antenna A

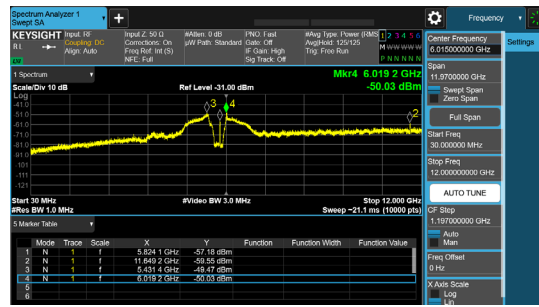


Antenna B

5825 MHz: HT/VHT20, M8 to M15

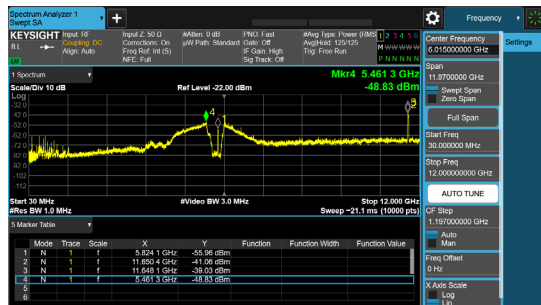


Antenna A

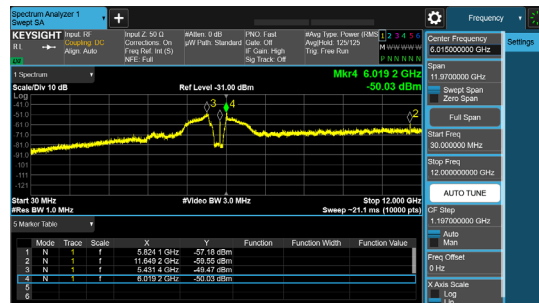


Antenna B

5825 MHz: HT/VHT20 Beam Forming, M0 to M7



Antenna A



Antenna B

Conducted Spurious emissions - Average.

Frequency 5745 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	15	-56.6		0.22	-41.4	-41	0.13
Non HT20, 6 to 54 Mbps	2	15	-58.2	-61.4	0.22	-41.3	-41	0.03
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-58.2	-61.4	0.22	-41.3	-41	0.03
HT/VHT20, M0 to M7	1	15	-56.8		0.3	-41.5	-41	0.25
HT/VHT20, M0 to M7	2	15	-58.2	-61.8	0.3	-41.3	-41	0.08
HT/VHT20, M8 to M15	2	15	-58.2	-61.8	0.3	-41.3	-41	0.08
HT/VHT20 Beam Forming, M0 to M7	2	15	-58.2	-61.8	0.3	-41.3	-41	0.08
HT/VHT20 Beam Forming, M8 to M15	2	15	-58.2	-61.8	0.3	-41.3	-41	0.08
HT/VHT20 STBC, M8 to M15	2	15	-58.2	-61.8	0.3	-41.3	-41	0.08
HE20, M0 to M11 1ss	1	15	-58.0		0.21	-42.8	-41	1.54
HE20, M0 to M11 1ss	2	15	-59.5	-61.4	0.21	-42.1	-41	0.87
HE20, M0 to M11 2ss	2	15	-59.5	-61.4	0.21	-42.1	-41	0.87
HE20 Beam Forming, M0 to M11 1ss	2	15	-59.5	-61.4	0.21	-42.1	-41	0.87
HE20 Beam Forming, M0 to M11 2ss	2	15	-59.5	-61.4	0.21	-42.1	-41	0.87
HE20 STBC, M0 to M11 2ss	2	15	-59.5	-61.4	0.21	-42.1	-41	0.87

Frequency 5755 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	15	-56.7		0.2	-41.5	-41	0.25
Non HT40, 6 to 54 Mbps	2	15	-59.5	-61.6	0.2	-42.2	-41	0.96
HT/VHT40, M0 to M7	1	15	-58.2		0.55	-42.7	-41	1.4
HT/VHT40, M0 to M7	2	15	-59.5	-62.0	0.55	-42.0	-41	0.76
HT/VHT40, M8 to M15	2	15	-59.5	-62.0	0.55	-42.0	-41	0.76
HT/VHT40 Beam Forming, M0 to M7	2	15	-59.5	-62.0	0.55	-42.0	-41	0.76
HT/VHT40 Beam Forming, M8 to M15	2	15	-59.5	-62.0	0.55	-42.0	-41	0.76
HT/VHT40 STBC, M8 to M15	2	15	-59.5	-62.0	0.55	-42.0	-41	0.76
HE40, M0 to M11 1ss	1	15	-57.7		0.27	-42.4	-41	1.18
HE40, M0 to M11 1ss	2	15	-59.1	-61.7	0.27	-41.9	-41	0.68
HE40, M0 to M11 2ss	2	15	-59.1	-61.7	0.27	-41.9	-41	0.68
HE40 Beam Forming, M0 to M11 1ss	2	15	-59.1	-61.7	0.27	-41.9	-41	0.68
HE40 Beam Forming, M0 to M11 2ss	2	15	-59.1	-61.7	0.27	-41.9	-41	0.68
HE40 STBC, M0 to M11 2ss	2	15	-59.1	-61.7	0.27	-41.9	-41	0.68

Frequency 5775 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	15	-58.3		0.43	-42.9	-41	1.62
Non HT80, 6 to 54 Mbps	2	15	-58.3	-61.8	0.43	-41.3	-41	0.01
VHT80, M0 to M11 1ss	1	15	-56.8		0.55	-41.3	-41	0.0
VHT80, M0 to M11 1ss	2	15	-59.7	-62.4	0.55	-42.3	-41	1.04
VHT80, M0 to M11 2ss	2	15	-59.7	-62.4	0.55	-42.3	-41	1.04
VHT80 Beam Forming, M0 to M11 1ss	2	15	-59.7	-62.4	0.55	-42.3	-41	1.04
VHT80 Beam Forming, M0 to M11 2ss	2	15	-59.7	-62.4	0.55	-42.3	-41	1.04
VHT80 STBC, M0 to M11 2ss	2	15	-59.7	-62.4	0.55	-42.3	-41	1.04
HE80, M0 to M11 1ss	1	15	-57.8		0.24	-42.6	-41	1.31
HE80, M0 to M11 1ss	2	15	-59.5	-61.6	0.24	-42.2	-41	0.92
HE80, M0 to M11 2ss	2	15	-59.5	-61.6	0.24	-42.2	-41	0.92
HE80 Beam Forming, M0 to M11 1ss	2	15	-59.5	-61.6	0.24	-42.2	-41	0.92
HE80 Beam Forming, M0 to M11 2ss	2	15	-59.5	-61.6	0.24	-42.2	-41	0.92
HE80 STBC, M0 to M11 2ss	2	15	-59.5	-61.6	0.24	-42.2	-41	0.92

Frequency 5785 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	15	-57.9		0.22	-42.7	-41	1.43
Non HT20, 6 to 54 Mbps	2	15	-59.4	-62.0	0.22	-42.3	-41	1.02
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-59.4	-62.0	0.22	-42.3	-41	1.02
HT/VHT20, M0 to M7	1	15	-56.6		0.3	-41.3	-41	0.05
HT/VHT20, M0 to M7	2	15	-58.3	-61.6	0.3	-41.3	-41	0.09
HT/VHT20, M8 to M15	2	15	-58.3	-61.6	0.3	-41.3	-41	0.09
HT/VHT20 Beam Forming, M0 to M7	2	15	-58.3	-61.6	0.3	-41.3	-41	0.09
HT/VHT20 Beam Forming, M8 to M15	2	15	-58.3	-61.6	0.3	-41.3	-41	0.09
HT/VHT20 STBC, M8 to M15	2	15	-58.3	-61.6	0.3	-41.3	-41	0.09
HE20, M0 to M11 1ss	1	15	-56.6		0.21	-41.4	-41	0.14
HE20, M0 to M11 1ss	2	15	-58.2	-61.6	0.21	-41.4	-41	0.1
HE20, M0 to M11 2ss	2	15	-58.2	-61.6	0.21	-41.4	-41	0.1
HE20 Beam Forming, M0 to M11 1ss	2	15	-58.2	-61.6	0.21	-41.4	-41	0.1
HE20 Beam Forming, M0 to M11 2ss	2	15	-58.2	-61.6	0.21	-41.4	-41	0.1
HE20 STBC, M0 to M11 2ss	2	15	-58.2	-61.6	0.21	-41.4	-41	0.1

Frequency 5795 MHz

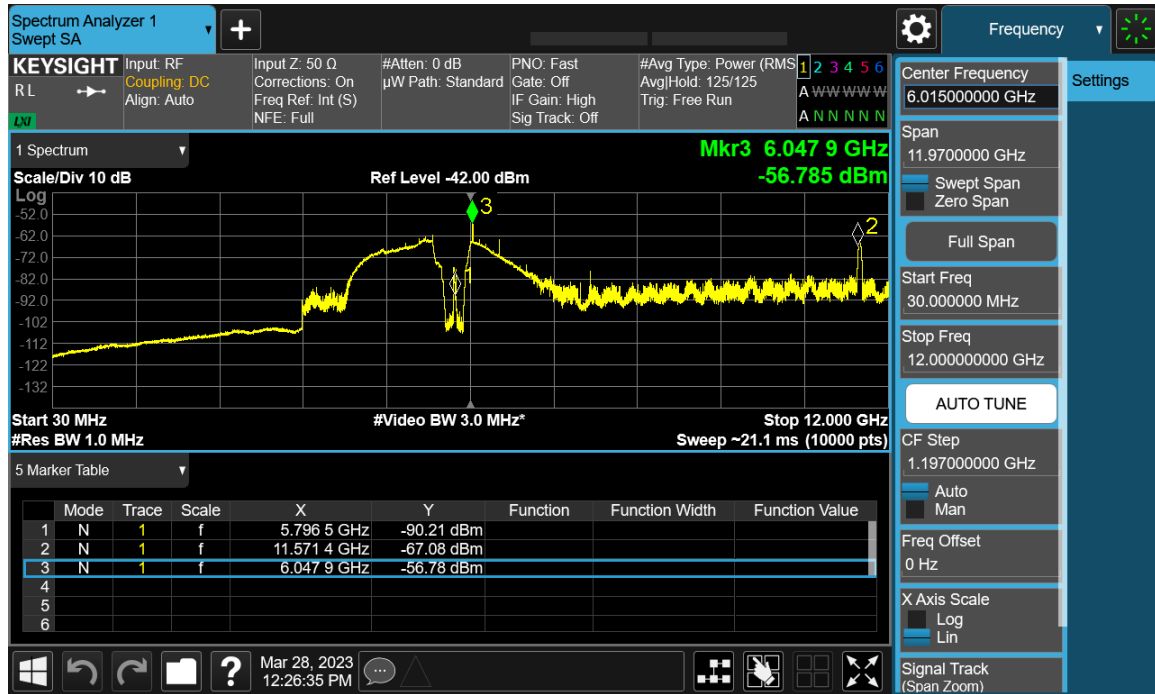
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	15	-58.0		0.2	-42.8	-41	1.55
Non HT40, 6 to 54 Mbps	2	15	-58.1	-61.8	0.2	-41.4	-41	0.1
HT/VHT40, M0 to M7	1	15	-56.8		0.55	-41.3	-41	0.0
HT/VHT40, M0 to M7	2	15	-59.9	-62.0	0.55	-42.3	-41	1.02
HT/VHT40, M8 to M15	2	15	-59.9	-62.0	0.55	-42.3	-41	1.02
HT/VHT40 Beam Forming, M0 to M7	2	15	-59.9	-62.0	0.55	-42.3	-41	1.02
HT/VHT40 Beam Forming, M8 to M15	2	15	-59.9	-62.0	0.55	-42.3	-41	1.02
HT/VHT40 STBC, M8 to M15	2	15	-59.9	-62.0	0.55	-42.3	-41	1.02
HE40, M0 to M11 1ss	1	15	-58.3		0.27	-43.0	-41	1.78
HE40, M0 to M11 1ss	2	15	-58.3	-61.4	0.27	-41.3	-41	0.05
HE40, M0 to M11 2ss	2	15	-58.3	-61.4	0.27	-41.3	-41	0.05
HE40 Beam Forming, M0 to M11 1ss	2	15	-58.3	-61.4	0.27	-41.3	-41	0.05
HE40 Beam Forming, M0 to M11 2ss	2	15	-58.3	-61.4	0.27	-41.3	-41	0.05
HE40 STBC, M0 to M11 2ss	2	15	-58.3	-61.4	0.27	-41.3	-41	0.05

Frequency 5825 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	15	-56.7		0.22	-41.5	-41	0.23
Non HT20, 6 to 54 Mbps	2	15	-58.2	-61.7	0.22	-41.4	-41	0.12
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-58.2	-61.7	0.22	-41.4	-41	0.12
HT/VHT20, M0 to M7	1	15	-56.7		0.3	-41.4	-41	0.15
HT/VHT20, M0 to M7	2	15	-59.4	-61.8	0.3	-42.1	-41	0.88
HT/VHT20, M8 to M15	2	15	-59.4	-61.8	0.3	-42.1	-41	0.88
HT/VHT20 Beam Forming, M0 to M7	2	15	-59.4	-61.8	0.3	-42.1	-41	0.88
HT/VHT20 Beam Forming, M8 to M15	2	15	-59.4	-61.8	0.3	-42.1	-41	0.88
HT/VHT20 STBC, M8 to M15	2	15	-59.4	-61.8	0.3	-42.1	-41	0.88
HE20, M0 to M11 1ss	1	15	-56.5		0.21	-41.3	-41	0.04
HE20, M0 to M11 1ss	2	15	-58.1	-61.6	0.21	-41.3	-41	0.03
HE20, M0 to M11 2ss	2	15	-58.1	-61.6	0.21	-41.3	-41	0.03
HE20 Beam Forming, M0 to M11 1ss	2	15	-58.1	-61.6	0.21	-41.3	-41	0.03
HE20 Beam Forming, M0 to M11 2ss	2	15	-58.1	-61.6	0.21	-41.3	-41	0.03
HE20 STBC, M0 to M11 2ss	2	15	-58.1	-61.6	0.21	-41.3	-41	0.03

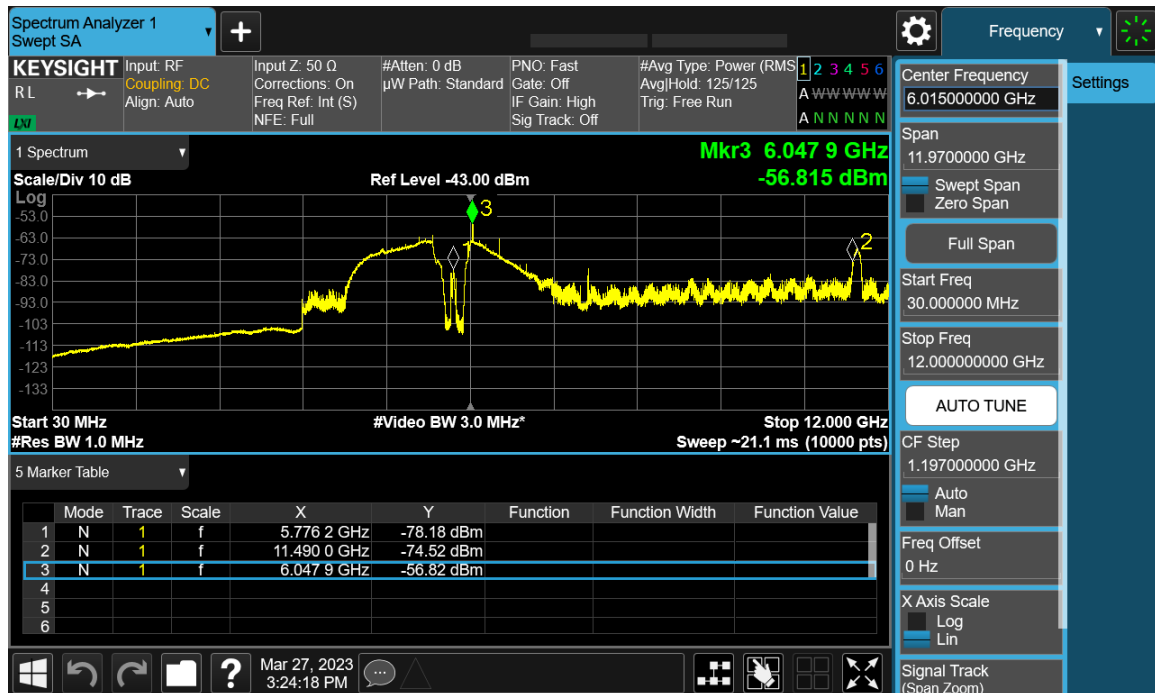
Data Screenshots

5795 MHz: HT/VHT40, M0 to M7



Antenna A

5775 MHz: VHT80, M0 to M11 1ss



Antenna A

5775 MHz: Non HT80, 6 to 54 Mbps



Antenna A



Antenna B

Conducted Spurious emissions - Peak.**Frequency 5745 MHz**

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	15	-49.3		0.22	-34.1	-27	7.08
Non HT20, 6 to 54 Mbps	2	15	-52.2	-53.9	0.22	-34.7	-27	7.73
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-52.2	-53.9	0.22	-34.7	-27	7.73
HT/VHT20, M0 to M7	1	15	-50.0		0.3	-34.7	-27	7.7
HT/VHT20, M0 to M7	2	15	-53.3	-54.8	0.3	-35.7	-27	8.68
HT/VHT20, M8 to M15	2	15	-53.3	-54.8	0.3	-35.7	-27	8.68
HT/VHT20 Beam Forming, M0 to M7	2	15	-53.3	-54.8	0.3	-35.7	-27	8.68
HT/VHT20 Beam Forming, M8 to M15	2	15	-53.3	-54.8	0.3	-35.7	-27	8.68
HT/VHT20 STBC, M8 to M15	2	15	-53.3	-54.8	0.3	-35.7	-27	8.68
HE20, M0 to M11 1ss	1	15	-52.1		0.21	-36.9	-27	9.89
HE20, M0 to M11 1ss	2	15	-56.2	-56.3	0.21	-38.0	-27	11.03
HE20, M0 to M11 2ss	2	15	-56.2	-56.3	0.21	-38.0	-27	11.03
HE20 Beam Forming, M0 to M11 1ss	2	15	-56.2	-56.3	0.21	-38.0	-27	11.03
HE20 Beam Forming, M0 to M11 2ss	2	15	-56.2	-56.3	0.21	-38.0	-27	11.03
HE20 STBC, M0 to M11 2ss	2	15	-56.2	-56.3	0.21	-38.0	-27	11.03

Frequency 5755 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	15	-51.5		0.2	-36.3	-27	9.3
Non HT40, 6 to 54 Mbps	2	15	-56.0	-55.5	0.2	-37.5	-27	10.53
HT/VHT40, M0 to M7	1	15	-54.2		0.55	-38.7	-27	11.65
HT/VHT40, M0 to M7	2	15	-56.3	-56.9	0.55	-38.0	-27	11.03
HT/VHT40, M8 to M15	2	15	-56.3	-56.9	0.55	-38.0	-27	11.03
HT/VHT40 Beam Forming, M0 to M7	2	15	-56.3	-56.9	0.55	-38.0	-27	11.03
HT/VHT40 Beam Forming, M8 to M15	2	15	-56.3	-56.9	0.55	-38.0	-27	11.03
HT/VHT40 STBC, M8 to M15	2	15	-56.3	-56.9	0.55	-38.0	-27	11.03
HE40, M0 to M11 1ss	1	15	-54.3		0.27	-39.0	-27	12.03
HE40, M0 to M11 1ss	2	15	-55.7	-55.9	0.27	-37.5	-27	10.52
HE40, M0 to M11 2ss	2	15	-55.7	-55.9	0.27	-37.5	-27	10.52
HE40 Beam Forming, M0 to M11 1ss	2	15	-55.7	-55.9	0.27	-37.5	-27	10.52
HE40 Beam Forming, M0 to M11 2ss	2	15	-55.7	-55.9	0.27	-37.5	-27	10.52
HE40 STBC, M0 to M11 2ss	2	15	-55.7	-55.9	0.27	-37.5	-27	10.52

Frequency 5775 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT80, 6 to 54 Mbps	1	15	-54.4		0.43	-39.0	-27	11.97
Non HT80, 6 to 54 Mbps	2	15	-54.4	-54.2	0.43	-35.9	-27	8.86
VHT80, M0 to M11 1ss	1	15	-52.5		0.55	-37.0	-27	9.95
VHT80, M0 to M11 1ss	2	15	-55.8	-55.6	0.55	-37.1	-27	10.14
VHT80, M0 to M11 2ss	2	15	-55.8	-55.6	0.55	-37.1	-27	10.14
VHT80 Beam Forming, M0 to M11 1ss	2	15	-55.8	-55.6	0.55	-37.1	-27	10.14
VHT80 Beam Forming, M0 to M11 2ss	2	15	-55.8	-55.6	0.55	-37.1	-27	10.14
VHT80 STBC, M0 to M11 2ss	2	15	-55.8	-55.6	0.55	-37.1	-27	10.14
HE80, M0 to M11 1ss	1	15	-54.7		0.24	-39.5	-27	12.46
HE80, M0 to M11 1ss	2	15	-55.2	-55.3	0.24	-37.0	-27	10.0
HE80, M0 to M11 2ss	2	15	-55.2	-55.3	0.24	-37.0	-27	10.0
HE80 Beam Forming, M0 to M11 1ss	2	15	-55.2	-55.3	0.24	-37.0	-27	10.0
HE80 Beam Forming, M0 to M11 2ss	2	15	-55.2	-55.3	0.24	-37.0	-27	10.0
HE80 STBC, M0 to M11 2ss	2	15	-55.2	-55.3	0.24	-37.0	-27	10.0

Frequency 5785 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	15	-50.3		0.22	-35.1	-27	8.08
Non HT20, 6 to 54 Mbps	2	15	-55.0	-55.6	0.22	-37.1	-27	10.06
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-55.0	-55.6	0.22	-37.1	-27	10.06
HT/VHT20, M0 to M7	1	15	-50.8		0.3	-35.5	-27	8.5
HT/VHT20, M0 to M7	2	15	-54.3	-53.7	0.3	-35.7	-27	8.68
HT/VHT20, M8 to M15	2	15	-54.3	-53.7	0.3	-35.7	-27	8.68
HT/VHT20 Beam Forming, M0 to M7	2	15	-54.3	-53.7	0.3	-35.7	-27	8.68
HT/VHT20 Beam Forming, M8 to M15	2	15	-54.3	-53.7	0.3	-35.7	-27	8.68
HT/VHT20 STBC, M8 to M15	2	15	-54.3	-53.7	0.3	-35.7	-27	8.68
HE20, M0 to M11 1ss	1	15	-50.6		0.21	-35.4	-27	8.39
HE20, M0 to M11 1ss	2	15	-51.9	-54.6	0.21	-34.8	-27	7.82
HE20, M0 to M11 2ss	2	15	-51.9	-54.6	0.21	-34.8	-27	7.82
HE20 Beam Forming, M0 to M11 1ss	2	15	-51.9	-54.6	0.21	-34.8	-27	7.82
HE20 Beam Forming, M0 to M11 2ss	2	15	-51.9	-54.6	0.21	-34.8	-27	7.82
HE20 STBC, M0 to M11 2ss	2	15	-51.9	-54.6	0.21	-34.8	-27	7.82

Frequency 5795 MHz

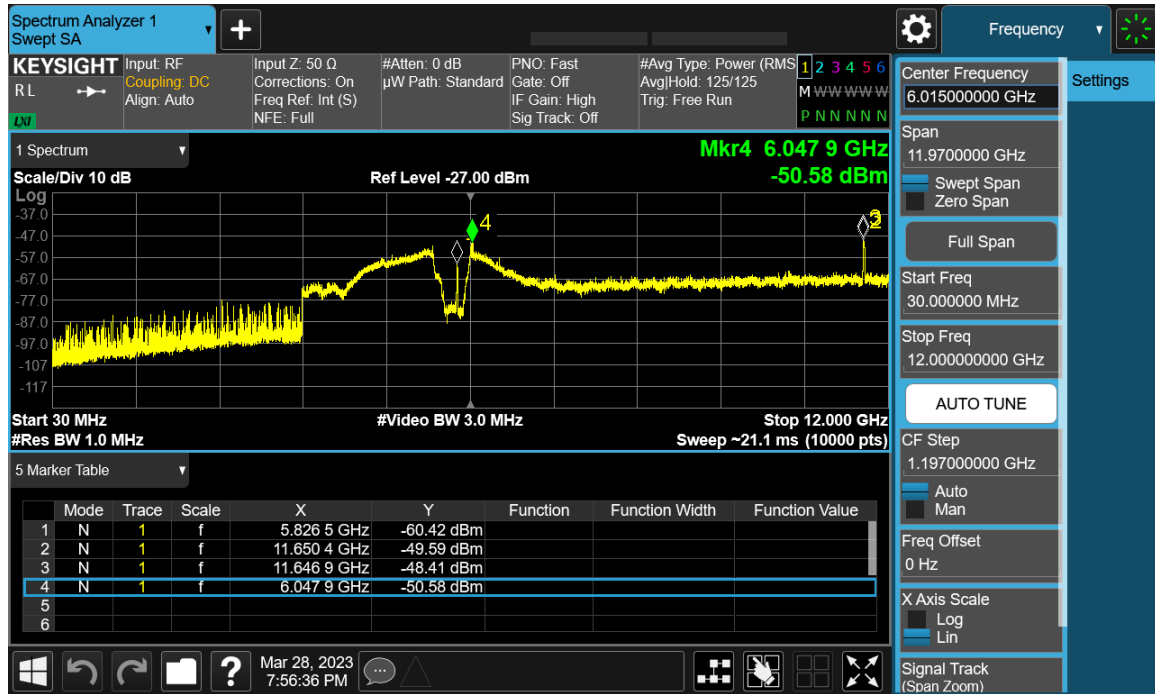
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	15	-53.6		0.2	-38.4	-27	11.4
Non HT40, 6 to 54 Mbps	2	15	-54.3	-54.9	0.2	-36.4	-27	9.38
HT/VHT40, M0 to M7	1	15	-50.7		0.55	-35.2	-27	8.15
HT/VHT40, M0 to M7	2	15	-56.3	-55.3	0.55	-37.2	-27	10.21
HT/VHT40, M8 to M15	2	15	-56.3	-55.3	0.55	-37.2	-27	10.21
HT/VHT40 Beam Forming, M0 to M7	2	15	-56.3	-55.3	0.55	-37.2	-27	10.21
HT/VHT40 Beam Forming, M8 to M15	2	15	-56.3	-55.3	0.55	-37.2	-27	10.21
HT/VHT40 STBC, M8 to M15	2	15	-56.3	-55.3	0.55	-37.2	-27	10.21
HE40, M0 to M11 1ss	1	15	-53.7		0.27	-38.4	-27	11.43
HE40, M0 to M11 1ss	2	15	-53.7	-53.7	0.27	-35.4	-27	8.42
HE40, M0 to M11 2ss	2	15	-53.7	-53.7	0.27	-35.4	-27	8.42
HE40 Beam Forming, M0 to M11 1ss	2	15	-53.7	-53.7	0.27	-35.4	-27	8.42
HE40 Beam Forming, M0 to M11 2ss	2	15	-53.7	-53.7	0.27	-35.4	-27	8.42
HE40 STBC, M0 to M11 2ss	2	15	-53.7	-53.7	0.27	-35.4	-27	8.42

Frequency 5825 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	15	-48.4		0.22	-33.2	-27	6.18
Non HT20, 6 to 54 Mbps	2	15	-50.7	-53.8	0.22	-33.7	-27	6.74
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-50.7	-53.8	0.22	-33.7	-27	6.74
HT/VHT20, M0 to M7	1	15	-50.9		0.3	-35.6	-27	8.6
HT/VHT20, M0 to M7	2	15	-53.8	-55.2	0.3	-36.1	-27	9.14
HT/VHT20, M8 to M15	2	15	-53.8	-55.2	0.3	-36.1	-27	9.14
HT/VHT20 Beam Forming, M0 to M7	2	15	-53.8	-55.2	0.3	-36.1	-27	9.14
HT/VHT20 Beam Forming, M8 to M15	2	15	-53.8	-55.2	0.3	-36.1	-27	9.14
HT/VHT20 STBC, M8 to M15	2	15	-53.8	-55.2	0.3	-36.1	-27	9.14
HE20, M0 to M11 1ss	1	15	-50.3		0.21	-35.1	-27	8.09
HE20, M0 to M11 1ss	2	15	-51.7	-54.4	0.21	-34.6	-27	7.62
HE20, M0 to M11 2ss	2	15	-51.7	-54.4	0.21	-34.6	-27	7.62
HE20 Beam Forming, M0 to M11 1ss	2	15	-51.7	-54.4	0.21	-34.6	-27	7.62
HE20 Beam Forming, M0 to M11 2ss	2	15	-51.7	-54.4	0.21	-34.6	-27	7.62
HE20 STBC, M0 to M11 2ss	2	15	-51.7	-54.4	0.21	-34.6	-27	7.62

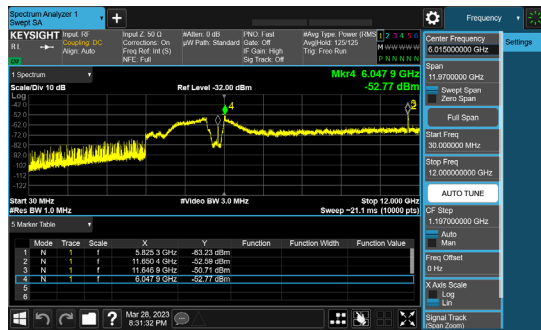
Data Screenshots

5825 MHz: Non HT20, 6 to 54 Mbps

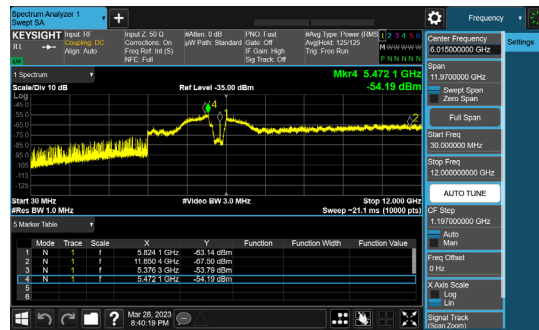


Antenna A

5825 MHz: Non HT20, 6 to 54 Mbps

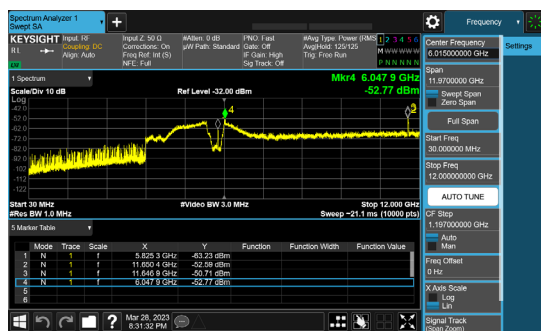


Antenna A

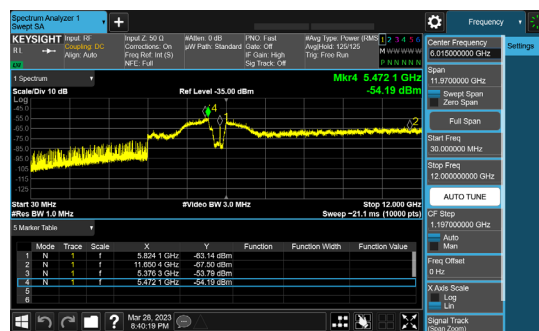


Antenna B

5825 MHz: Non HT20 Beam Forming, 6 to 54 Mbps



Antenna A



Antenna B

A.7: Conducted Band Edge

Conducted Band Edge 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:

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

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

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

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

(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

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.3

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

Conducted Band Edge Test Procedure

Ref. 789033 D02 General UNII Test Procedures New Rules v02r01

ANSI C63.10: 2013

Conducted Band Edge Test Procedure

1. Connect the antenna port(s) to the spectrum analyzer input.

2. Place the radio in continuous transmit mode. Use the procedures in KDB 789033 D02 General UNII Test Procedures New Rules v02r01 to substitute conducted measurements in place of radiated measurements.

3. Configure Spectrum analyzer as per test parameters below (be sure to enter all losses between the transmitter output and the spectrum analyzer).

4. Record the marker. Also measure any emissions in the restricted bands.

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.

6. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance.

Also measure any emissions in the restricted bands

7. Capture graphs and record pertinent measurement data.

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

Conducted Spurious Emissions Test parameters	
Peak Span = 30MHz to 26.5GHz / 26.5GHz to 40GHz RBW = 1 MHz VBW ≥ 3 MHz Sweep = Auto couple Detector = Peak Trace = Max Hold.	Average Span = 30MHz to 26.5GHz / 26.5GHz to 40GHz RBW = 1 MHz VBW ≥ 3 MHz Sweep = Auto couple Detector = RMS Power Averaging
Tested By: Ronak Patel	Date of testing: 11/1/2022 - 2/10/2023
Test Result: PASS	

Test Equipment

See Appendix C for list of test equipment

Conducted Band Edge Peak 15407L. – Antenna gain 3dBi.**Frequency 5745 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	3	-54.9		-51.4	-27	24.44
Non HT20, 6 to 54 Mbps	2	3	-54.9	-54.4	-48.2	-27	21.18
Non HT20 Beam Forming, 6 to 54 Mbps	2	6	-54.9	-54.4	-45.2	-27	18.18
HT/VHT20, M0 to M7	1	3	-55.5		-52.3	-27	25.29
HT/VHT20, M0 to M7	2	3	-55.5	-54.6	-48.8	-27	21.8
HT/VHT20, M8 to M15	2	3	-55.5	-54.6	-48.8	-27	21.8
HT/VHT20 Beam Forming, M0 to M7	2	6	-55.5	-54.6	-45.8	-27	18.8
HT/VHT20 Beam Forming, M8 to M15	2	3	-55.5	-54.6	-48.8	-27	21.8
HT/VHT20 STBC, M8 to M15	2	3	-55.5	-54.6	-48.8	-27	21.8
HE20, M0 to M11 1ss	1	3	-54.9		-51.7	-27	24.69
HE20, M0 to M11 1ss	2	3	-54.9	-55.1	-48.8	-27	21.78
HE20, M0 to M11 2ss	2	3	-54.9	-55.1	-48.8	-27	21.78
HE20 Beam Forming, M0 to M11 1ss	2	6	-54.9	-55.1	-45.8	-27	18.78
HE20 Beam Forming, M0 to M11 2ss	2	3	-54.9	-55.1	-48.8	-27	21.78
HE20 STBC, M0 to M11 2ss	2	3	-54.9	-55.1	-48.8	-27	21.78

Frequency 5755 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	3	-54.4		-50.9	-27	23.89
Non HT40, 6 to 54 Mbps	2	3	-54.4	-54.5	-47.9	-27	20.93
HT/VHT40, M0 to M7	1	3	-51.5		-48.0	-27	20.96
HT/VHT40, M0 to M7	2	3	-51.5	-56.1	-46.7	-27	19.66
HT/VHT40, M8 to M15	2	3	-51.5	-56.1	-46.7	-27	19.66
HT/VHT40 Beam Forming, M0 to M7	2	6	-51.5	-56.1	-43.7	-27	16.66
HT/VHT40 Beam Forming, M8 to M15	2	3	-51.5	-56.1	-46.7	-27	19.66
HT/VHT40 STBC, M8 to M15	2	3	-51.5	-56.1	-46.7	-27	19.66
HE40, M0 to M11 1ss	1	3	-54.1		-50.9	-27	23.88
HE40, M0 to M11 1ss	2	3	-54.1	-54.4	-48.0	-27	21.02
HE40, M0 to M11 2ss	2	3	-54.1	-54.4	-48.0	-27	21.02
HE40 Beam Forming, M0 to M11 1ss	2	6	-54.1	-54.4	-45.0	-27	18.02
HE40 Beam Forming, M0 to M11 2ss	2	3	-54.1	-54.4	-48.0	-27	21.02
HE40 STBC, M0 to M11 2ss	2	3	-54.1	-54.4	-48.0	-27	21.02