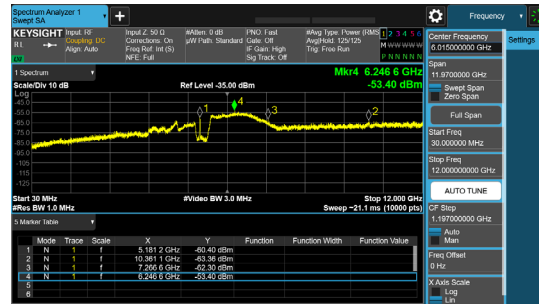
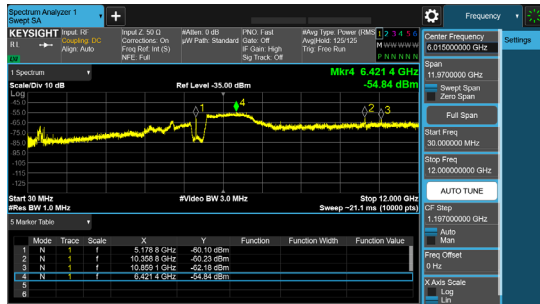
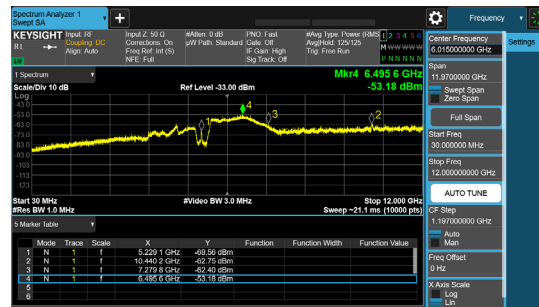


Data Screenshots – Antenna gain 7dBi Peak

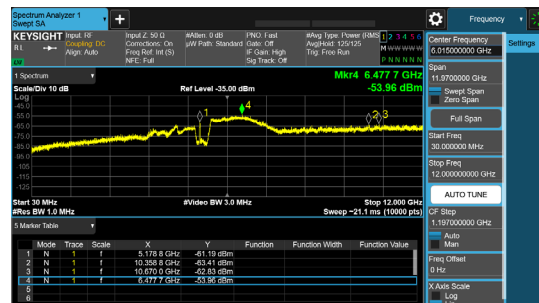
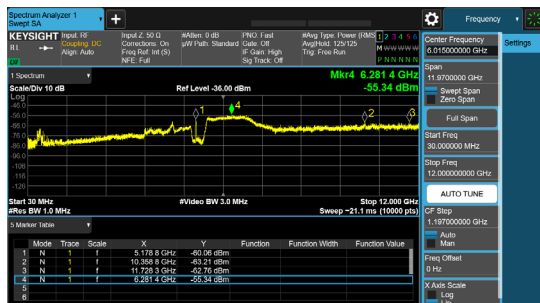
5180 MHz: Non HT20 Beam Forming, 6 to 54 Mbps



5230 MHz: HT/VHT40 Beam Forming, M0 to M7



5180 MHz: HT/VHT20 Beam Forming, M0 to M7



Conducted Spurious emissions Average - Antenna gain 8dBi.**Frequency 5180 MHz**

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-61.9		0.26	-53.6	-41	12.39
Non HT20, 6 to 54 Mbps	2	8	-63.3	-61.1	0.26	-50.8	-41	9.55
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-63.2	-61.4	0.26	-47.9	-41	6.69
HT/VHT20, M0 to M7	1	8	-62.2		0.36	-53.8	-41	12.59
HT/VHT20, M0 to M7	2	8	-62.9	-61.7	0.36	-50.9	-41	9.64
HT/VHT20, M8 to M15	2	8	-62.9	-61.7	0.36	-50.9	-41	9.64
HT/VHT20 Beam Forming, M0 to M7	2	11	-63.3	-61.5	0.36	-47.9	-41	6.69
HT/VHT20 Beam Forming, M8 to M15	2	8	-62.9	-61.7	0.36	-50.9	-41	9.64
HT/VHT20 STBC, M8 to M15	2	8	-62.9	-61.7	0.36	-50.9	-41	9.64
HE20, M0 to M11 1ss	1	8	-63.0		0.28	-54.7	-41	13.47
HE20, M0 to M11 1ss	2	8	-62.8	-61.6	0.28	-50.9	-41	9.62
HE20, M0 to M11 2ss	2	8	-62.8	-61.6	0.28	-50.9	-41	9.62
HE20 Beam Forming, M0 to M11 1ss	2	11	-62.7	-61.7	0.28	-47.9	-41	6.63
HE20 Beam Forming, M0 to M11 2ss	2	8	-62.8	-61.6	0.28	-50.9	-41	9.62
HE20 STBC, M0 to M11 2ss	2	8	-62.8	-61.6	0.28	-50.9	-41	9.62

Frequency 5190 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	8	-62.7		0.17	-54.5	-41	13.28
Non HT40, 6 to 54 Mbps	2	8	-62.7	-60.8	0.17	-50.5	-41	9.22
HT/VHT40, M0 to M7	1	8	-62.8		0.3	-54.5	-41	13.25
HT/VHT40, M0 to M7	2	8	-62.3	-61.1	0.3	-50.4	-41	9.1
HT/VHT40, M8 to M15	2	8	-62.3	-61.1	0.3	-50.4	-41	9.1
HT/VHT40 Beam Forming, M0 to M7	2	11	-63.0	-61.2	0.3	-47.7	-41	6.45
HT/VHT40 Beam Forming, M8 to M15	2	8	-62.3	-61.1	0.3	-50.4	-41	9.1
HT/VHT40 STBC, M8 to M15	2	8	-62.3	-61.1	0.3	-50.4	-41	9.1
HE40, M0 to M11 1ss	1	8	-62.4		0.27	-54.1	-41	12.88
HE40, M0 to M11 1ss	2	8	-62.8	-61.3	0.27	-50.7	-41	9.45
HE40, M0 to M11 2ss	2	8	-62.8	-61.3	0.27	-50.7	-41	9.45
HE40 Beam Forming, M0 to M11 1ss	2	11	-63.1	-61.5	0.27	-47.9	-41	6.69
HE40 Beam Forming, M0 to M11 2ss	2	8	-62.8	-61.3	0.27	-50.7	-41	9.45
HE40 STBC, M0 to M11 2ss	2	8	-62.8	-61.3	0.27	-50.7	-41	9.45

Frequency 5210 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	-61.4		0.38	-53.0	-41	11.77
Non HT80, 6 to 54 Mbps	2	8	-61.1	-61.2	0.38	-49.8	-41	8.51
VHT80, M0 to M11 1ss	1	8	-61.2		0.33	-52.9	-41	11.62
VHT80, M0 to M11 1ss	2	8	-61.2	-61.1	0.33	-49.8	-41	8.56
VHT80, M0 to M11 2ss	2	8	-61.2	-61.1	0.33	-49.8	-41	8.56
VHT80 Beam Forming, M0 to M11 1ss	2	11	-61.7	-60.7	0.33	-46.8	-41	5.58
VHT80 Beam Forming, M0 to M11 2ss	2	8	-61.2	-61.1	0.33	-49.8	-41	8.56
VHT80 STBC, M0 to M11 2ss	2	8	-61.2	-61.1	0.33	-49.8	-41	8.56
HE80, M0 to M11 1ss	1	8	-61.3		0.29	-53.0	-41	11.76
HE80, M0 to M11 1ss	2	8	-61.2	-60.8	0.29	-49.7	-41	8.44
HE80, M0 to M11 2ss	2	8	-61.2	-60.8	0.29	-49.7	-41	8.44
HE80 Beam Forming, M0 to M11 1ss	2	11	-61.1	-60.6	0.29	-46.5	-41	5.29
HE80 Beam Forming, M0 to M11 2ss	2	8	-61.2	-60.8	0.29	-49.7	-41	8.44
HE80 STBC, M0 to M11 2ss	2	8	-61.2	-60.8	0.29	-49.7	-41	8.44

Frequency 5220 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	-62.2		0.26	-53.9	-41	12.69
Non HT20, 6 to 54 Mbps	2	8	-62.7	-61.3	0.26	-50.7	-41	9.43
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-63.1	-61.6	0.26	-48.0	-41	6.77
HT/VHT20, M0 to M7	1	8	-61.7		0.36	-53.3	-41	12.09
HT/VHT20, M0 to M7	2	8	-62.9	-61.6	0.36	-50.8	-41	9.58
HT/VHT20, M8 to M15	2	8	-62.9	-61.6	0.36	-50.8	-41	9.58
HT/VHT20 Beam Forming, M0 to M7	2	11	-63.4	-61.9	0.36	-48.2	-41	6.97
HT/VHT20 Beam Forming, M8 to M15	2	8	-62.9	-61.6	0.36	-50.8	-41	9.58
HT/VHT20 STBC, M8 to M15	2	8	-62.9	-61.6	0.36	-50.8	-41	9.58
HE20, M0 to M11 1ss	1	8	-62.2		0.28	-53.9	-41	12.67
HE20, M0 to M11 1ss	2	8	-63.0	-62.0	0.28	-51.2	-41	9.93
HE20, M0 to M11 2ss	2	8	-63.0	-62.0	0.28	-51.2	-41	9.93
HE20 Beam Forming, M0 to M11 1ss	2	11	-63.6	-62.4	0.28	-48.7	-41	7.42
HE20 Beam Forming, M0 to M11 2ss	2	8	-63.0	-62.0	0.28	-51.2	-41	9.93
HE20 STBC, M0 to M11 2ss	2	8	-63.0	-62.0	0.28	-51.2	-41	9.93

Frequency 5230 MHz

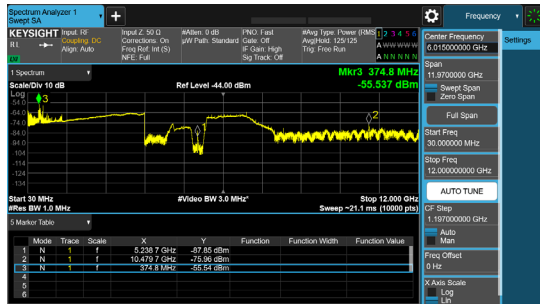
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	8	-61.3		0.17	-53.1	-41	11.88
Non HT40, 6 to 54 Mbps	2	8	-62.6	-61.1	0.17	-50.6	-41	9.36
HT/VHT40, M0 to M7	1	8	-61.7		0.3	-53.4	-41	12.15
HT/VHT40, M0 to M7	2	8	-62.8	-61.1	0.3	-50.6	-41	9.31
HT/VHT40, M8 to M15	2	8	-62.8	-61.1	0.3	-50.6	-41	9.31
HT/VHT40 Beam Forming, M0 to M7	2	11	-62.6	-61.2	0.3	-47.5	-41	6.29
HT/VHT40 Beam Forming, M8 to M15	2	8	-62.8	-61.1	0.3	-50.6	-41	9.31
HT/VHT40 STBC, M8 to M15	2	8	-62.8	-61.1	0.3	-50.6	-41	9.31
HE40, M0 to M11 1ss	1	8	-61.2		0.27	-52.9	-41	11.68
HE40, M0 to M11 1ss	2	8	-62.1	-61.6	0.27	-50.6	-41	9.31
HE40, M0 to M11 2ss	2	8	-62.1	-61.6	0.27	-50.6	-41	9.31
HE40 Beam Forming, M0 to M11 1ss	2	11	-62.4	-61.6	0.27	-47.7	-41	6.45
HE40 Beam Forming, M0 to M11 2ss	2	8	-62.1	-61.6	0.27	-50.6	-41	9.31
HE40 STBC, M0 to M11 2ss	2	8	-62.1	-61.6	0.27	-50.6	-41	9.31

Frequency 5240 MHz

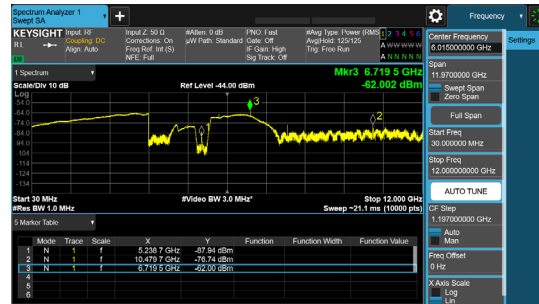
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-62.3		0.26	-54.0	-41	12.79
Non HT20, 6 to 54 Mbps	2	8	-63.2	-62.4	0.26	-51.5	-41	10.27
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-55.5	-61.6	0.26	-43.3	-41	2.04
HT/VHT20, M0 to M7	1	8	-55.6		0.36	-47.2	-41	5.99
HT/VHT20, M0 to M7	2	8	-55.7	-62.4	0.36	-46.5	-41	5.25
HT/VHT20, M8 to M15	2	8	-55.7	-62.4	0.36	-46.5	-41	5.25
HT/VHT20 Beam Forming, M0 to M7	2	11	-55.5	-62.0	0.36	-43.3	-41	2.01
HT/VHT20 Beam Forming, M8 to M15	2	8	-55.7	-62.4	0.36	-46.5	-41	5.25
HT/VHT20 STBC, M8 to M15	2	8	-55.7	-62.4	0.36	-46.5	-41	5.25
HE20, M0 to M11 1ss	1	8	-55.7		0.28	-47.4	-41	6.17
HE20, M0 to M11 1ss	2	8	-55.4	-62.1	0.28	-46.3	-41	5.03
HE20, M0 to M11 2ss	2	8	-55.4	-62.1	0.28	-46.3	-41	5.03
HE20 Beam Forming, M0 to M11 1ss	2	11	-55.5	-62.3	0.28	-43.4	-41	2.15
HE20 Beam Forming, M0 to M11 2ss	2	8	-55.4	-62.1	0.28	-46.3	-41	5.03
HE20 STBC, M0 to M11 2ss	2	8	-55.4	-62.1	0.28	-46.3	-41	5.03

Data Screenshots – Antenna gain 8dBi Average.

5240 MHz: HT/VHT20 Beam Forming, M0 to M7

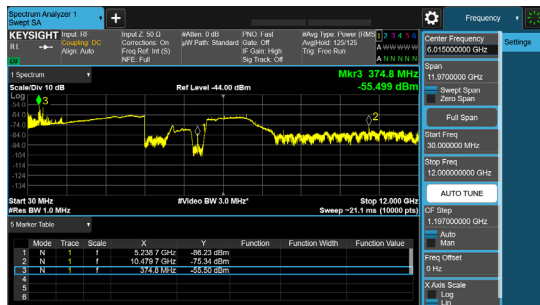


Antenna A

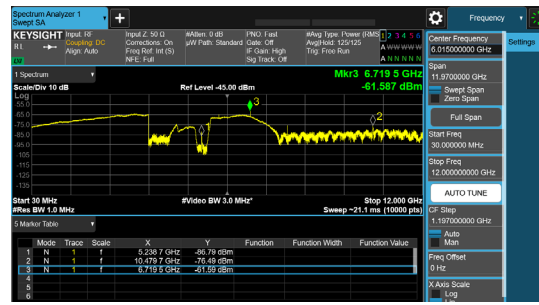


Antenna B

5240 MHz: Non HT20 Beam Forming, 6 to 54 Mbps

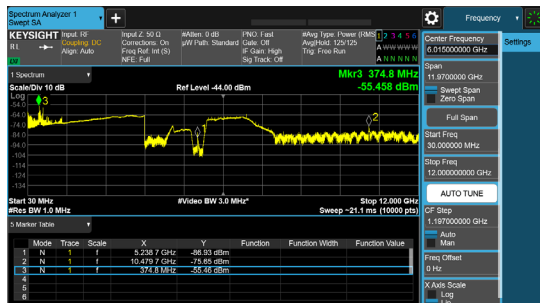


Antenna A

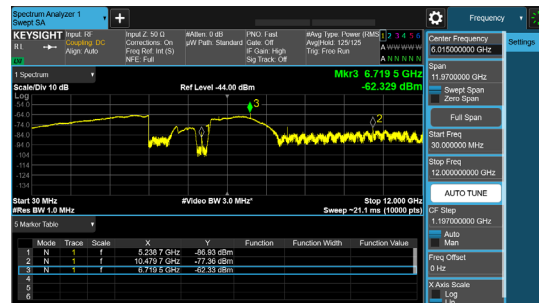


Antenna B

5240 MHz: HE20 Beam Forming, M0 to M11 1ss



Antenna A



Antenna B

Conducted Spurious emissions Peak – Antenna gain 8dBi.**Frequency 5180 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	-62.6		0.26	-54.3	-27	27.34
Non HT20, 6 to 54 Mbps	2	8	-62.8	-63.7	0.26	-52.0	-27	24.96
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-63.6	-63.5	0.26	-49.3	-27	22.28
HT/VHT20, M0 to M7	1	8	-62.6		0.36	-54.2	-27	27.24
HT/VHT20, M0 to M7	2	8	-63.1	-63.2	0.36	-51.8	-27	24.78
HT/VHT20, M8 to M15	2	8	-63.1	-63.2	0.36	-51.8	-27	24.78
HT/VHT20 Beam Forming, M0 to M7	2	11	-63.0	-62.6	0.36	-48.4	-27	21.43
HT/VHT20 Beam Forming, M8 to M15	2	8	-63.1	-63.2	0.36	-51.8	-27	24.78
HT/VHT20 STBC, M8 to M15	2	8	-63.1	-63.2	0.36	-51.8	-27	24.78
HE20, M0 to M11 1ss	1	8	-62.5		0.28	-54.2	-27	27.22
HE20, M0 to M11 1ss	2	8	-62.6	-63.6	0.28	-51.8	-27	24.78
HE20, M0 to M11 2ss	2	8	-62.6	-63.6	0.28	-51.8	-27	24.78
HE20 Beam Forming, M0 to M11 1ss	2	11	-62.3	-62.8	0.28	-48.3	-27	21.25
HE20 Beam Forming, M0 to M11 2ss	2	8	-62.6	-63.6	0.28	-51.8	-27	24.78
HE20 STBC, M0 to M11 2ss	2	8	-62.6	-63.6	0.28	-51.8	-27	24.78

Frequency 5190 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	-63.6		0.17	-55.4	-27	28.43
Non HT40, 6 to 54 Mbps	2	8	-63.6	-62.7	0.17	-51.9	-27	24.95
HT/VHT40, M0 to M7	1	8	-62.1		0.3	-53.8	-27	26.8
HT/VHT40, M0 to M7	2	8	-63.5	-63.4	0.3	-52.1	-27	25.14
HT/VHT40, M8 to M15	2	8	-63.5	-63.4	0.3	-52.1	-27	25.14
HT/VHT40 Beam Forming, M0 to M7	2	11	-63.0	-63.6	0.3	-49.0	-27	21.98
HT/VHT40 Beam Forming, M8 to M15	2	8	-63.5	-63.4	0.3	-52.1	-27	25.14
HT/VHT40 STBC, M8 to M15	2	8	-63.5	-63.4	0.3	-52.1	-27	25.14
HE40, M0 to M11 1ss	1	8	-62.7		0.27	-54.4	-27	27.43
HE40, M0 to M11 1ss	2	8	-63.2	-63.5	0.27	-52.1	-27	25.07
HE40, M0 to M11 2ss	2	8	-63.2	-63.5	0.27	-52.1	-27	25.07
HE40 Beam Forming, M0 to M11 1ss	2	11	-63.3	-63.9	0.27	-49.3	-27	22.31
HE40 Beam Forming, M0 to M11 2ss	2	8	-63.2	-63.5	0.27	-52.1	-27	25.07
HE40 STBC, M0 to M11 2ss	2	8	-63.2	-63.5	0.27	-52.1	-27	25.07

Frequency 5210 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	-63.9		0.38	-55.5	-27	28.52
Non HT80, 6 to 54 Mbps	2	8	-62.8	-63.0	0.38	-51.5	-27	24.51
VHT80, M0 to M11 1ss	1	8	-62.8		0.33	-54.5	-27	27.47
VHT80, M0 to M11 1ss	2	8	-64.0	-62.8	0.33	-52.0	-27	25.02
VHT80, M0 to M11 2ss	2	8	-64.0	-62.8	0.33	-52.0	-27	25.02
VHT80 Beam Forming, M0 to M11 1ss	2	11	-63.0	-62.2	0.33	-48.2	-27	21.24
VHT80 Beam Forming, M0 to M11 2ss	2	8	-64.0	-62.8	0.33	-52.0	-27	25.02
VHT80 STBC, M0 to M11 2ss	2	8	-64.0	-62.8	0.33	-52.0	-27	25.02
HE80, M0 to M11 1ss	1	8	-62.8		0.29	-54.5	-27	27.51
HE80, M0 to M11 1ss	2	8	-63.5	-63.0	0.29	-51.9	-27	24.94
HE80, M0 to M11 2ss	2	8	-63.5	-63.0	0.29	-51.9	-27	24.94
HE80 Beam Forming, M0 to M11 1ss	2	11	-63.4	-62.9	0.29	-48.8	-27	21.84
HE80 Beam Forming, M0 to M11 2ss	2	8	-63.5	-63.0	0.29	-51.9	-27	24.94
HE80 STBC, M0 to M11 2ss	2	8	-63.5	-63.0	0.29	-51.9	-27	24.94

Frequency 5220 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	-63.0		0.26	-54.7	-27	27.74
Non HT20, 6 to 54 Mbps	2	8	-63.3	-62.5	0.26	-51.6	-27	24.62
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-62.5	-62.4	0.26	-48.2	-27	21.18
HT/VHT20, M0 to M7	1	8	-63.2		0.36	-54.8	-27	27.84
HT/VHT20, M0 to M7	2	8	-63.9	-63.2	0.36	-52.2	-27	25.17
HT/VHT20, M8 to M15	2	8	-63.9	-63.2	0.36	-52.2	-27	25.17
HT/VHT20 Beam Forming, M0 to M7	2	11	-63.2	-62.2	0.36	-48.3	-27	21.3
HT/VHT20 Beam Forming, M8 to M15	2	8	-63.9	-63.2	0.36	-52.2	-27	25.17
HT/VHT20 STBC, M8 to M15	2	8	-63.9	-63.2	0.36	-52.2	-27	25.17
HE20, M0 to M11 1ss	1	8	-62.9		0.28	-54.6	-27	27.62
HE20, M0 to M11 1ss	2	8	-63.5	-63.2	0.28	-52.1	-27	25.06
HE20, M0 to M11 2ss	2	8	-63.5	-63.2	0.28	-52.1	-27	25.06
HE20 Beam Forming, M0 to M11 1ss	2	11	-62.4	-63.3	0.28	-48.5	-27	21.54
HE20 Beam Forming, M0 to M11 2ss	2	8	-63.5	-63.2	0.28	-52.1	-27	25.06
HE20 STBC, M0 to M11 2ss	2	8	-63.5	-63.2	0.28	-52.1	-27	25.06

Frequency 5230 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	-63.1		0.17	-54.9	-27	27.93
Non HT40, 6 to 54 Mbps	2	8	-62.6	-62.5	0.17	-51.4	-27	24.37
HT/VHT40, M0 to M7	1	8	-62.8		0.3	-54.5	-27	27.5
HT/VHT40, M0 to M7	2	8	-62.6	-63.3	0.3	-51.6	-27	24.63
HT/VHT40, M8 to M15	2	8	-62.6	-63.3	0.3	-51.6	-27	24.63
HT/VHT40 Beam Forming, M0 to M7	2	11	-63.4	-63.4	0.3	-49.1	-27	22.09
HT/VHT40 Beam Forming, M8 to M15	2	8	-62.6	-63.3	0.3	-51.6	-27	24.63
HT/VHT40 STBC, M8 to M15	2	8	-62.6	-63.3	0.3	-51.6	-27	24.63
HE40, M0 to M11 1ss	1	8	-63.5		0.27	-55.2	-27	28.23
HE40, M0 to M11 1ss	2	8	-63.2	-63.0	0.27	-51.8	-27	24.82
HE40, M0 to M11 2ss	2	8	-63.2	-63.0	0.27	-51.8	-27	24.82
HE40 Beam Forming, M0 to M11 1ss	2	11	-62.8	-63.7	0.27	-48.9	-27	21.94
HE40 Beam Forming, M0 to M11 2ss	2	8	-63.2	-63.0	0.27	-51.8	-27	24.82
HE40 STBC, M0 to M11 2ss	2	8	-63.2	-63.0	0.27	-51.8	-27	24.82

Frequency 5240 MHz

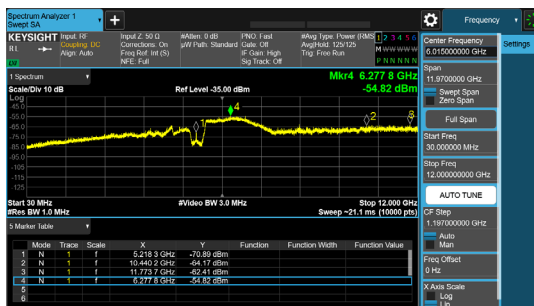
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	8	-64.0		0.26	-55.7	-27	28.74
Non HT20, 6 to 54 Mbps	2	8	-63.5	-63.3	0.26	-52.1	-27	25.13
Non HT20 Beam Forming, 6 to 54 Mbps	2	11	-63.0	-62.7	0.26	-48.6	-27	21.58
HT/VHT20, M0 to M7	1	8	-64.0		0.36	-55.6	-27	28.64
HT/VHT20, M0 to M7	2	8	-63.5	-63.6	0.36	-52.2	-27	25.18
HT/VHT20, M8 to M15	2	8	-63.5	-63.6	0.36	-52.2	-27	25.18
HT/VHT20 Beam Forming, M0 to M7	2	11	-63.1	-63.5	0.36	-48.9	-27	21.93
HT/VHT20 Beam Forming, M8 to M15	2	8	-63.5	-63.6	0.36	-52.2	-27	25.18
HT/VHT20 STBC, M8 to M15	2	8	-63.5	-63.6	0.36	-52.2	-27	25.18
HE20, M0 to M11 1ss	1	8	-63.5		0.28	-55.2	-27	28.22
HE20, M0 to M11 1ss	2	8	-62.9	-63.4	0.28	-51.9	-27	24.85
HE20, M0 to M11 2ss	2	8	-62.9	-63.4	0.28	-51.9	-27	24.85
HE20 Beam Forming, M0 to M11 1ss	2	11	-63.3	-62.9	0.28	-48.8	-27	21.8
HE20 Beam Forming, M0 to M11 2ss	2	8	-62.9	-63.4	0.28	-51.9	-27	24.85
HE20 STBC, M0 to M11 2ss	2	8	-62.9	-63.4	0.28	-51.9	-27	24.85

Data Screenshots – Antenna gain 8dBi Peak

5220 MHz: Non HT20 Beam Forming, 6 to 54 Mbps

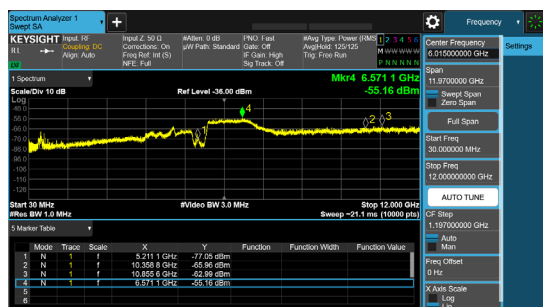


Antenna A

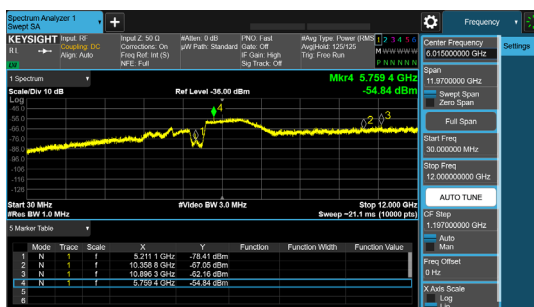


Antenna B

5210 MHz: VHT80 Beam Forming, M0 to M11 1ss

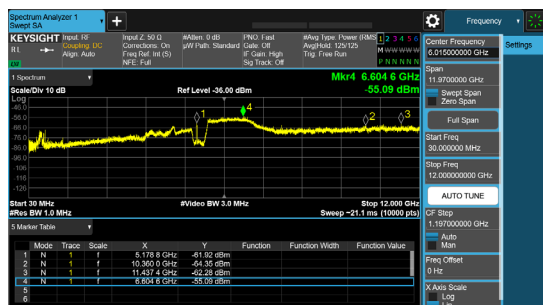


Antenna A

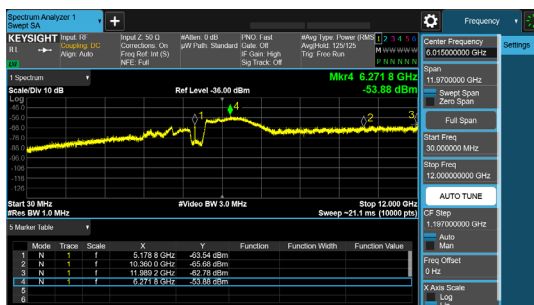


Antenna B

5180 MHz: HE20 Beam Forming, M0 to M11 1ss



Antenna A



Antenna B

Conducted Spurious emissions Average – Antenna gain 10dBi.**Frequency 5180 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	-63.2		0.26	-52.9	-41	11.69
Non HT20, 6 to 54 Mbps	2	10	-63.5	-61.2	0.26	-48.9	-41	7.68
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-63.5	-61.2	0.26	-48.9	-41	7.68
HT/VHT20, M0 to M7	1	10	-63.1		0.36	-52.7	-41	11.49
HT/VHT20, M0 to M7	2	10	-63.5	-61.7	0.36	-49.1	-41	7.89
HT/VHT20, M8 to M15	2	10	-63.5	-61.7	0.36	-49.1	-41	7.89
HT/VHT20 Beam Forming, M0 to M7	2	10	-63.5	-61.7	0.36	-49.1	-41	7.89
HT/VHT20 Beam Forming, M8 to M15	2	10	-63.5	-61.7	0.36	-49.1	-41	7.89
HT/VHT20 STBC, M8 to M15	2	10	-63.5	-61.7	0.36	-49.1	-41	7.89
HE20, M0 to M11 1ss	1	10	-62.7		0.28	-52.4	-41	11.17
HE20, M0 to M11 1ss	2	10	-63.1	-61.9	0.28	-49.2	-41	7.92
HE20, M0 to M11 2ss	2	10	-63.1	-61.9	0.28	-49.2	-41	7.92
HE20 Beam Forming, M0 to M11 1ss	2	10	-63.1	-61.9	0.28	-49.2	-41	7.92
HE20 Beam Forming, M0 to M11 2ss	2	10	-63.1	-61.9	0.28	-49.2	-41	7.92
HE20 STBC, M0 to M11 2ss	2	10	-63.1	-61.9	0.28	-49.2	-41	7.92

Frequency 5190 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	-63.0		0.17	-52.8	-41	11.58
Non HT40, 6 to 54 Mbps	2	10	-63.0	-61.2	0.17	-48.8	-41	7.58
HT/VHT40, M0 to M7	1	10	-62.3		0.3	-52.0	-41	10.75
HT/VHT40, M0 to M7	2	10	-62.1	-61.4	0.3	-48.4	-41	7.18
HT/VHT40, M8 to M15	2	10	-62.1	-61.4	0.3	-48.4	-41	7.18
HT/VHT40 Beam Forming, M0 to M7	2	10	-62.1	-61.4	0.3	-48.4	-41	7.18
HT/VHT40 Beam Forming, M8 to M15	2	10	-62.1	-61.4	0.3	-48.4	-41	7.18
HT/VHT40 STBC, M8 to M15	2	10	-62.1	-61.4	0.3	-48.4	-41	7.18
HE40, M0 to M11 1ss	1	10	-62.8		0.27	-52.5	-41	11.28
HE40, M0 to M11 1ss	2	10	-62.6	-61.1	0.27	-48.5	-41	7.25
HE40, M0 to M11 2ss	2	10	-62.6	-61.1	0.27	-48.5	-41	7.25
HE40 Beam Forming, M0 to M11 1ss	2	10	-62.6	-61.1	0.27	-48.5	-41	7.25
HE40 Beam Forming, M0 to M11 2ss	2	10	-62.6	-61.1	0.27	-48.5	-41	7.25
HE40 STBC, M0 to M11 2ss	2	10	-62.6	-61.1	0.27	-48.5	-41	7.25

Frequency 5210 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	-61.1		0.38	-50.7	-41	9.47
Non HT80, 6 to 54 Mbps	2	10	-68.4	-69.3	0.38	-55.4	-41	14.18
VHT80, M0 to M11 1ss	1	10	-61.2		0.33	-50.9	-41	9.62
VHT80, M0 to M11 1ss	2	10	-68.3	-69.0	0.33	-55.3	-41	14.04
VHT80, M0 to M11 2ss	2	10	-68.3	-69.0	0.33	-55.3	-41	14.04
VHT80 Beam Forming, M0 to M11 1ss	2	10	-68.3	-69.0	0.33	-55.3	-41	14.04
VHT80 Beam Forming, M0 to M11 2ss	2	10	-68.3	-69.0	0.33	-55.3	-41	14.04
VHT80 STBC, M0 to M11 2ss	2	10	-68.3	-69.0	0.33	-55.3	-41	14.04
HE80, M0 to M11 1ss	1	10	-61.3		0.29	-51.0	-41	9.76
HE80, M0 to M11 1ss	2	10	-68.5	-68.9	0.29	-55.4	-41	14.14
HE80, M0 to M11 2ss	2	10	-68.5	-68.9	0.29	-55.4	-41	14.14
HE80 Beam Forming, M0 to M11 1ss	2	10	-68.5	-68.9	0.29	-55.4	-41	14.14
HE80 Beam Forming, M0 to M11 2ss	2	10	-68.5	-68.9	0.29	-55.4	-41	14.14
HE80 STBC, M0 to M11 2ss	2	10	-68.5	-68.9	0.29	-55.4	-41	14.14

Frequency 5220 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	-63.1		0.26	-52.8	-41	11.59
Non HT20, 6 to 54 Mbps	2	10	-62.9	-62.1	0.26	-49.2	-41	7.97
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-62.9	-62.1	0.26	-49.2	-41	7.97
HT/VHT20, M0 to M7	1	10	-63.0		0.36	-52.6	-41	11.39
HT/VHT20, M0 to M7	2	10	-63.2	-61.7	0.36	-49.0	-41	7.77
HT/VHT20, M8 to M15	2	10	-63.2	-61.7	0.36	-49.0	-41	7.77
HT/VHT20 Beam Forming, M0 to M7	2	10	-63.2	-61.7	0.36	-49.0	-41	7.77
HT/VHT20 Beam Forming, M8 to M15	2	10	-63.2	-61.7	0.36	-49.0	-41	7.77
HT/VHT20 STBC, M8 to M15	2	10	-63.2	-61.7	0.36	-49.0	-41	7.77
HE20, M0 to M11 1ss	1	10	-63.4		0.28	-53.1	-41	11.87
HE20, M0 to M11 1ss	2	10	-68.6	-69.6	0.28	-55.8	-41	14.53
HE20, M0 to M11 2ss	2	10	-68.6	-69.6	0.28	-55.8	-41	14.53
HE20 Beam Forming, M0 to M11 1ss	2	10	-68.6	-69.6	0.28	-55.8	-41	14.53
HE20 Beam Forming, M0 to M11 2ss	2	10	-68.6	-69.6	0.28	-55.8	-41	14.53
HE20 STBC, M0 to M11 2ss	2	10	-68.6	-69.6	0.28	-55.8	-41	14.53

Frequency 5230 MHz

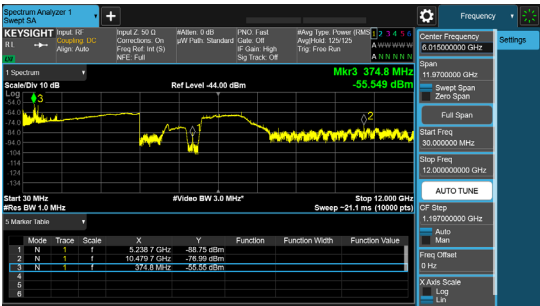
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	10	-62.4		0.17	-52.2	-41	10.98
Non HT40, 6 to 54 Mbps	2	10	-63.2	-61.4	0.17	-49.0	-41	7.78
HT/VHT40, M0 to M7	1	10	-62.9		0.3	-52.6	-41	11.35
HT/VHT40, M0 to M7	2	10	-68.2	-68.1	0.3	-54.8	-41	13.59
HT/VHT40, M8 to M15	2	10	-68.2	-68.1	0.3	-54.8	-41	13.59
HT/VHT40 Beam Forming, M0 to M7	2	10	-68.2	-68.1	0.3	-54.8	-41	13.59
HT/VHT40 Beam Forming, M8 to M15	2	10	-68.2	-68.1	0.3	-54.8	-41	13.59
HT/VHT40 STBC, M8 to M15	2	10	-68.2	-68.1	0.3	-54.8	-41	13.59
HE40, M0 to M11 1ss	1	10	-62.4		0.27	-52.1	-41	10.88
HE40, M0 to M11 1ss	2	10	-68.3	-69.0	0.27	-55.4	-41	14.1
HE40, M0 to M11 2ss	2	10	-68.3	-69.0	0.27	-55.4	-41	14.1
HE40 Beam Forming, M0 to M11 1ss	2	10	-68.3	-69.0	0.27	-55.4	-41	14.1
HE40 Beam Forming, M0 to M11 2ss	2	10	-68.3	-69.0	0.27	-55.4	-41	14.1
HE40 STBC, M0 to M11 2ss	2	10	-68.3	-69.0	0.27	-55.4	-41	14.1

Frequency 5240 MHz

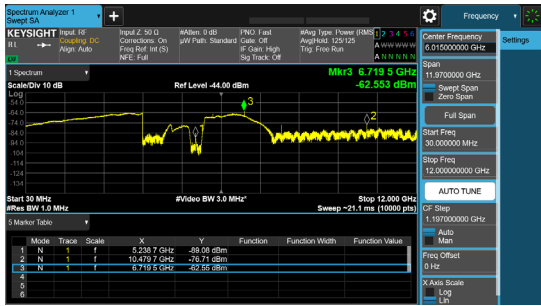
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	10	-55.6		0.26	-45.3	-41	4.09
Non HT20, 6 to 54 Mbps	2	10	-55.6	-62.8	0.26	-44.6	-41	3.34
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-55.6	-62.8	0.26	-44.6	-41	3.34
HT/VHT20, M0 to M7	1	10	-55.5		0.36	-45.1	-41	3.89
HT/VHT20, M0 to M7	2	10	-55.5	-62.6	0.36	-44.4	-41	3.12
HT/VHT20, M8 to M15	2	10	-55.5	-62.6	0.36	-44.4	-41	3.12
HT/VHT20 Beam Forming, M0 to M7	2	10	-55.5	-62.6	0.36	-44.4	-41	3.12
HT/VHT20 Beam Forming, M8 to M15	2	10	-55.5	-62.6	0.36	-44.4	-41	3.12
HT/VHT20 STBC, M8 to M15	2	10	-55.5	-62.6	0.36	-44.4	-41	3.12
HE20, M0 to M11 1ss	1	10	-55.5		0.28	-45.2	-41	3.97
HE20, M0 to M11 1ss	2	10	-55.5	-62.4	0.28	-44.4	-41	3.16
HE20, M0 to M11 2ss	2	10	-55.5	-62.4	0.28	-44.4	-41	3.16
HE20 Beam Forming, M0 to M11 1ss	2	10	-55.5	-62.4	0.28	-44.4	-41	3.16
HE20 Beam Forming, M0 to M11 2ss	2	10	-55.5	-62.4	0.28	-44.4	-41	3.16
HE20 STBC, M0 to M11 2ss	2	10	-55.5	-62.4	0.28	-44.4	-41	3.16

Data Screenshots – Antenna gain 10dBi Average

5240 MHz: HT/VHT20, M0 to M7

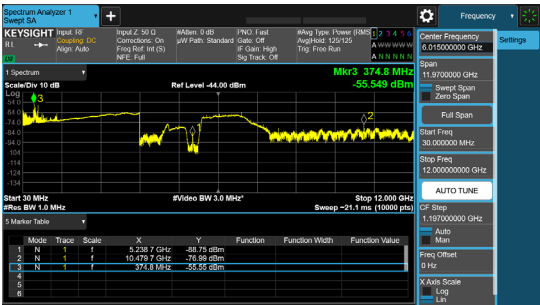


Antenna A

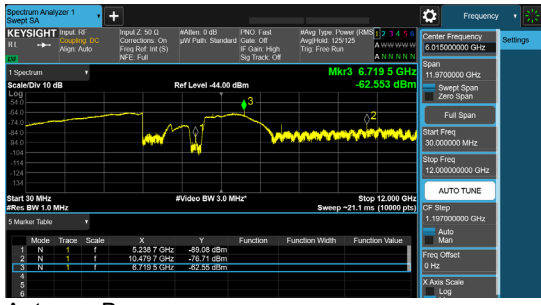


Antenna B

5240 MHz: HT/VHT20, M8 to M15

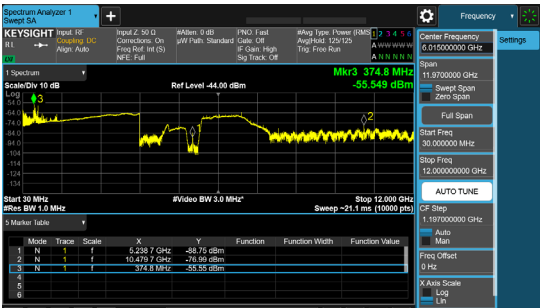


Antenna A

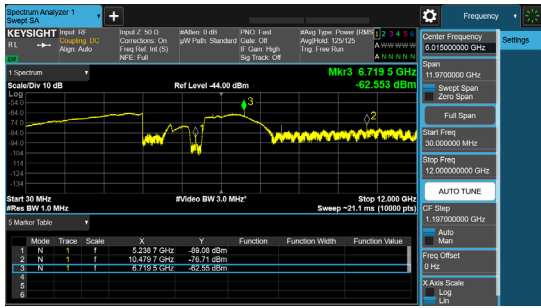


Antenna B

5240 MHz: HT/VHT20 Beam Forming, M0 to M7



Antenna A



Antenna B

Conducted Spurious emissions Peak – Antenna gain 10dBi.**Frequency 5180 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	-62.8		0.26	-52.5	-27	25.54
Non HT20, 6 to 54 Mbps	2	10	-63.3	-63.3	0.26	-50.0	-27	23.03
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-63.3	-63.3	0.26	-50.0	-27	23.03
HT/VHT20, M0 to M7	1	10	-63.3		0.36	-52.9	-27	25.94
HT/VHT20, M0 to M7	2	10	-63.7	-63.1	0.36	-50.0	-27	23.02
HT/VHT20, M8 to M15	2	10	-63.7	-63.1	0.36	-50.0	-27	23.02
HT/VHT20 Beam Forming, M0 to M7	2	10	-63.7	-63.1	0.36	-50.0	-27	23.02
HT/VHT20 Beam Forming, M8 to M15	2	10	-63.7	-63.1	0.36	-50.0	-27	23.02
HT/VHT20 STBC, M8 to M15	2	10	-63.7	-63.1	0.36	-50.0	-27	23.02
HE20, M0 to M11 1ss	1	10	-62.3		0.28	-52.0	-27	25.02
HE20, M0 to M11 1ss	2	10	-63.0	-63.0	0.28	-49.7	-27	22.71
HE20, M0 to M11 2ss	2	10	-63.0	-63.0	0.28	-49.7	-27	22.71
HE20 Beam Forming, M0 to M11 1ss	2	10	-63.0	-63.0	0.28	-49.7	-27	22.71
HE20 Beam Forming, M0 to M11 2ss	2	10	-63.0	-63.0	0.28	-49.7	-27	22.71
HE20 STBC, M0 to M11 2ss	2	10	-63.0	-63.0	0.28	-49.7	-27	22.71

Frequency 5190 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	-63.1		0.17	-52.9	-27	25.93
Non HT40, 6 to 54 Mbps	2	10	-63.1	-63.4	0.17	-50.1	-27	23.07
HT/VHT40, M0 to M7	1	10	-63.5		0.3	-53.2	-27	26.2
HT/VHT40, M0 to M7	2	10	-63.1	-63.0	0.3	-49.7	-27	22.74
HT/VHT40, M8 to M15	2	10	-63.1	-63.0	0.3	-49.7	-27	22.74
HT/VHT40 Beam Forming, M0 to M7	2	10	-63.1	-63.0	0.3	-49.7	-27	22.74
HT/VHT40 Beam Forming, M8 to M15	2	10	-63.1	-63.0	0.3	-49.7	-27	22.74
HT/VHT40 STBC, M8 to M15	2	10	-63.1	-63.0	0.3	-49.7	-27	22.74
HE40, M0 to M11 1ss	1	10	-63.2		0.27	-52.9	-27	25.93
HE40, M0 to M11 1ss	2	10	-63.2	-62.9	0.27	-49.8	-27	22.77
HE40, M0 to M11 2ss	2	10	-63.2	-62.9	0.27	-49.8	-27	22.77
HE40 Beam Forming, M0 to M11 1ss	2	10	-63.2	-62.9	0.27	-49.8	-27	22.77
HE40 Beam Forming, M0 to M11 2ss	2	10	-63.2	-62.9	0.27	-49.8	-27	22.77
HE40 STBC, M0 to M11 2ss	2	10	-63.2	-62.9	0.27	-49.8	-27	22.77

Frequency 5210 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	-62.8		0.38	-52.4	-27	25.42
Non HT80, 6 to 54 Mbps	2	10	-63.6	-63.5	0.38	-50.2	-27	23.16
VHT80, M0 to M11 1ss	1	10	-64.0		0.33	-53.7	-27	26.67
VHT80, M0 to M11 1ss	2	10	-64.0	-63.7	0.33	-50.5	-27	23.51
VHT80, M0 to M11 2ss	2	10	-64.0	-63.7	0.33	-50.5	-27	23.51
VHT80 Beam Forming, M0 to M11 1ss	2	10	-64.0	-63.7	0.33	-50.5	-27	23.51
VHT80 Beam Forming, M0 to M11 2ss	2	10	-64.0	-63.7	0.33	-50.5	-27	23.51
VHT80 STBC, M0 to M11 2ss	2	10	-64.0	-63.7	0.33	-50.5	-27	23.51
HE80, M0 to M11 1ss	1	10	-62.8		0.29	-52.5	-27	25.51
HE80, M0 to M11 1ss	2	10	-63.2	-63.0	0.29	-49.8	-27	22.8
HE80, M0 to M11 2ss	2	10	-63.2	-63.0	0.29	-49.8	-27	22.8
HE80 Beam Forming, M0 to M11 1ss	2	10	-63.2	-63.0	0.29	-49.8	-27	22.8
HE80 Beam Forming, M0 to M11 2ss	2	10	-63.2	-63.0	0.29	-49.8	-27	22.8
HE80 STBC, M0 to M11 2ss	2	10	-63.2	-63.0	0.29	-49.8	-27	22.8

Frequency 5220 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	-63.7		0.26	-53.4	-27	26.44
Non HT20, 6 to 54 Mbps	2	10	-62.7	-62.5	0.26	-49.3	-27	22.33
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-62.7	-62.5	0.26	-49.3	-27	22.33
HT/VHT20, M0 to M7	1	10	-63.9		0.36	-53.5	-27	26.54
HT/VHT20, M0 to M7	2	10	-63.6	-63.0	0.36	-49.9	-27	22.92
HT/VHT20, M8 to M15	2	10	-63.6	-63.0	0.36	-49.9	-27	22.92
HT/VHT20 Beam Forming, M0 to M7	2	10	-63.6	-63.0	0.36	-49.9	-27	22.92
HT/VHT20 Beam Forming, M8 to M15	2	10	-63.6	-63.0	0.36	-49.9	-27	22.92
HT/VHT20 STBC, M8 to M15	2	10	-63.6	-63.0	0.36	-49.9	-27	22.92
HE20, M0 to M11 1ss	1	10	-63.2		0.28	-52.9	-27	25.92
HE20, M0 to M11 1ss	2	10	-62.8	-61.5	0.28	-48.8	-27	21.81
HE20, M0 to M11 2ss	2	10	-62.8	-61.5	0.28	-48.8	-27	21.81
HE20 Beam Forming, M0 to M11 1ss	2	10	-62.8	-61.5	0.28	-48.8	-27	21.81
HE20 Beam Forming, M0 to M11 2ss	2	10	-62.8	-61.5	0.28	-48.8	-27	21.81
HE20 STBC, M0 to M11 2ss	2	10	-62.8	-61.5	0.28	-48.8	-27	21.81

Frequency 5230 MHz

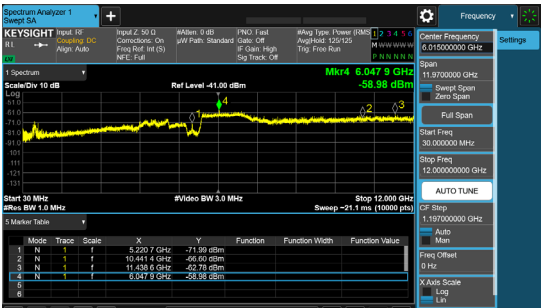
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	10	-63.2		0.17	-53.0	-27	26.03
Non HT40, 6 to 54 Mbps	2	10	-63.0	-63.1	0.17	-49.9	-27	22.87
HT/VHT40, M0 to M7	1	10	-63.4		0.3	-53.1	-27	26.1
HT/VHT40, M0 to M7	2	10	-63.4	-62.8	0.3	-49.8	-27	22.78
HT/VHT40, M8 to M15	2	10	-63.4	-62.8	0.3	-49.8	-27	22.78
HT/VHT40 Beam Forming, M0 to M7	2	10	-63.4	-62.8	0.3	-49.8	-27	22.78
HT/VHT40 Beam Forming, M8 to M15	2	10	-63.4	-62.8	0.3	-49.8	-27	22.78
HT/VHT40 STBC, M8 to M15	2	10	-63.4	-62.8	0.3	-49.8	-27	22.78
HE40, M0 to M11 1ss	1	10	-63.1		0.27	-52.8	-27	25.83
HE40, M0 to M11 1ss	2	10	-63.4	-63.2	0.27	-50.0	-27	23.02
HE40, M0 to M11 2ss	2	10	-63.4	-63.2	0.27	-50.0	-27	23.02
HE40 Beam Forming, M0 to M11 1ss	2	10	-63.4	-63.2	0.27	-50.0	-27	23.02
HE40 Beam Forming, M0 to M11 2ss	2	10	-63.4	-63.2	0.27	-50.0	-27	23.02
HE40 STBC, M0 to M11 2ss	2	10	-63.4	-63.2	0.27	-50.0	-27	23.02

Frequency 5240 MHz

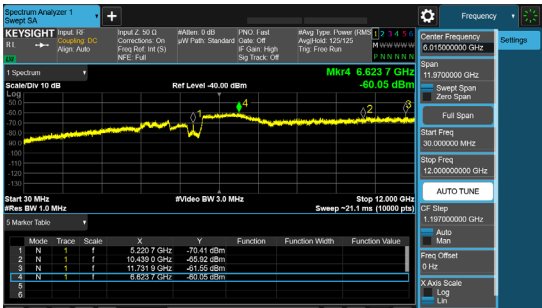
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	10	-63.5		0.26	-53.2	-27	26.24
Non HT20, 6 to 54 Mbps	2	10	-64.0	-62.5	0.26	-49.9	-27	22.92
Non HT20 Beam Forming, 6 to 54 Mbps	2	10	-64.0	-62.5	0.26	-49.9	-27	22.92
HT/VHT20, M0 to M7	1	10	-63.1		0.36	-52.7	-27	25.74
HT/VHT20, M0 to M7	2	10	-62.3	-63.2	0.36	-49.4	-27	22.36
HT/VHT20, M8 to M15	2	10	-62.3	-63.2	0.36	-49.4	-27	22.36
HT/VHT20 Beam Forming, M0 to M7	2	10	-62.3	-63.2	0.36	-49.4	-27	22.36
HT/VHT20 Beam Forming, M8 to M15	2	10	-62.3	-63.2	0.36	-49.4	-27	22.36
HT/VHT20 STBC, M8 to M15	2	10	-62.3	-63.2	0.36	-49.4	-27	22.36
HE20, M0 to M11 1ss	1	10	-63.3		0.28	-53.0	-27	26.02
HE20, M0 to M11 1ss	2	10	-63.2	-63.3	0.28	-50.0	-27	22.96
HE20, M0 to M11 2ss	2	10	-63.2	-63.3	0.28	-50.0	-27	22.96
HE20 Beam Forming, M0 to M11 1ss	2	10	-63.2	-63.3	0.28	-50.0	-27	22.96
HE20 Beam Forming, M0 to M11 2ss	2	10	-63.2	-63.3	0.28	-50.0	-27	22.96
HE20 STBC, M0 to M11 2ss	2	10	-63.2	-63.3	0.28	-50.0	-27	22.96

Data Screenshots – Antenna gain 10dBi Peak.

5220 MHz: HE20, M0 to M11 1ss

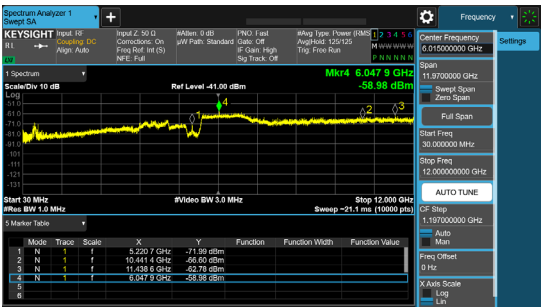


Antenna A

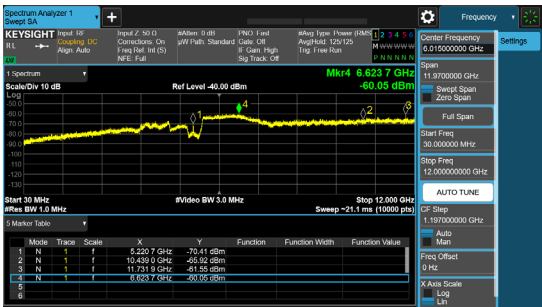


Antenna B

5220 MHz: HE20, M0 to M11 2ss

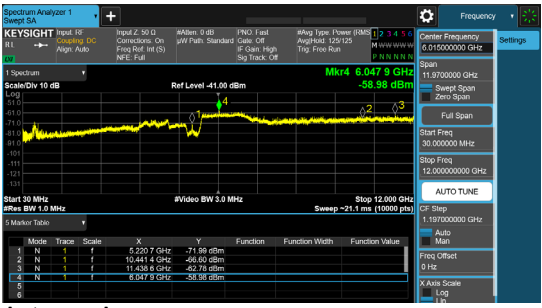


Antenna A

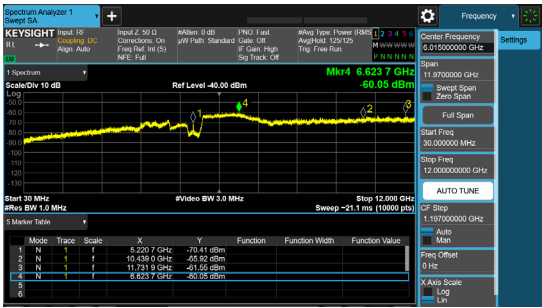


Antenna B

5220 MHz: HE20 Beam Forming, M0 to M11 1ss



Antenna A



Antenna B

Conducted Spurious emissions Average – Antenna gain 13dBi.**Frequency 5180 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	-62.0		0.26	-48.7	-41	7.49
Non HT20, 6 to 54 Mbps	2	13	-63.2	-61.4	0.26	-45.9	-41	4.69
Non HT20 Beam Forming, 6 to 54 Mbps	2	13	-63.2	-61.4	0.26	-45.9	-41	4.69
HT/VHT20, M0 to M7	1	13	-62.8		0.36	-49.4	-41	8.19
HT/VHT20, M0 to M7	2	13	-62.9	-61.5	0.36	-45.8	-41	4.52
HT/VHT20, M8 to M15	2	13	-62.9	-61.5	0.36	-45.8	-41	4.52
HT/VHT20 Beam Forming, M0 to M7	2	13	-62.9	-61.5	0.36	-45.8	-41	4.52
HT/VHT20 Beam Forming, M8 to M15	2	13	-62.9	-61.5	0.36	-45.8	-41	4.52
HT/VHT20 STBC, M8 to M15	2	13	-62.9	-61.5	0.36	-45.8	-41	4.52
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	-61.5	0.28	-45.9	-41	4.6
HE20, M0 to M11 2ss	2	13	-62.9	-61.5	0.28	-45.9	-41	4.6
HE20 Beam Forming, M0 to M11 1ss	2	13	-62.9	-61.5	0.28	-45.9	-41	4.6
HE20 Beam Forming, M0 to M11 2ss	2	13	-62.9	-61.5	0.28	-45.9	-41	4.6
HE20 STBC, M0 to M11 2ss	2	13	-62.9	-61.5	0.28	-45.9	-41	4.6

Frequency 5190 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	-63.0		0.17	-49.8	-41	8.58
Non HT40, 6 to 54 Mbps	2	13	-62.8	-61.2	0.17	-45.7	-41	4.5
HT/VHT40, M0 to M7	1	13	-63.0		0.3	-49.7	-41	8.45
HT/VHT40, M0 to M7	2	13	-62.5	-61.3	0.3	-45.6	-41	4.3
HT/VHT40, M8 to M15	2	13	-62.5	-61.3	0.3	-45.6	-41	4.3
HT/VHT40 Beam Forming, M0 to M7	2	13	-62.5	-61.3	0.3	-45.6	-41	4.3
HT/VHT40 Beam Forming, M8 to M15	2	13	-62.5	-61.3	0.3	-45.6	-41	4.3
HT/VHT40 STBC, M8 to M15	2	13	-62.5	-61.3	0.3	-45.6	-41	4.3
HE40, M0 to M11 1ss	1	13	-63.1		0.27	-49.8	-41	8.58
HE40, M0 to M11 1ss	2	13	-62.6	-61.4	0.27	-45.7	-41	4.43
HE40, M0 to M11 2ss	2	13	-62.6	-61.4	0.27	-45.7	-41	4.43
HE40 Beam Forming, M0 to M11 1ss	2	13	-62.6	-61.4	0.27	-45.7	-41	4.43
HE40 Beam Forming, M0 to M11 2ss	2	13	-62.6	-61.4	0.27	-45.7	-41	4.43
HE40 STBC, M0 to M11 2ss	2	13	-62.6	-61.4	0.27	-45.7	-41	4.43

Frequency 5210 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	-61.3		0.38	-47.9	-41	6.67
Non HT80, 6 to 54 Mbps	2	13	-60.7	-60.8	0.38	-44.4	-41	3.11
VHT80, M0 to M11 1ss	1	13	-61.0		0.33	-47.7	-41	6.42
VHT80, M0 to M11 1ss	2	13	-61.7	-60.7	0.33	-44.8	-41	3.58
VHT80, M0 to M11 2ss	2	13	-61.7	-60.7	0.33	-44.8	-41	3.58
VHT80 Beam Forming, M0 to M11 1ss	2	13	-61.7	-60.7	0.33	-44.8	-41	3.58
VHT80 Beam Forming, M0 to M11 2ss	2	13	-61.7	-60.7	0.33	-44.8	-41	3.58
VHT80 STBC, M0 to M11 2ss	2	13	-61.7	-60.7	0.33	-44.8	-41	3.58
HE80, M0 to M11 1ss	1	13	-61.1		0.29	-47.8	-41	6.56
HE80, M0 to M11 1ss	2	13	-61.2	-60.4	0.29	-44.5	-41	3.23
HE80, M0 to M11 2ss	2	13	-61.2	-60.4	0.29	-44.5	-41	3.23
HE80 Beam Forming, M0 to M11 1ss	2	13	-61.2	-60.4	0.29	-44.5	-41	3.23
HE80 Beam Forming, M0 to M11 2ss	2	13	-61.2	-60.4	0.29	-44.5	-41	3.23
HE80 STBC, M0 to M11 2ss	2	13	-61.2	-60.4	0.29	-44.5	-41	3.23

Frequency 5220 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	-61.7		0.26	-48.4	-41	7.19
Non HT20, 6 to 54 Mbps	2	13	-62.8	-61.9	0.26	-46.1	-41	4.81
Non HT20 Beam Forming, 6 to 54 Mbps	2	13	-62.8	-61.9	0.26	-46.1	-41	4.81
HT/VHT20, M0 to M7	1	13	-61.7		0.36	-48.3	-41	7.09
HT/VHT20, M0 to M7	2	13	-63.0	-61.6	0.36	-45.9	-41	4.62
HT/VHT20, M8 to M15	2	13	-63.0	-61.6	0.36	-45.9	-41	4.62
HT/VHT20 Beam Forming, M0 to M7	2	13	-63.0	-61.6	0.36	-45.9	-41	4.62
HT/VHT20 Beam Forming, M8 to M15	2	13	-63.0	-61.6	0.36	-45.9	-41	4.62
HT/VHT20 STBC, M8 to M15	2	13	-63.0	-61.6	0.36	-45.9	-41	4.62
HE20, M0 to M11 1ss	1	13	-62.9		0.28	-49.6	-41	8.37
HE20, M0 to M11 1ss	2	13	-63.1	-62.2	0.28	-46.3	-41	5.09
HE20, M0 to M11 2ss	2	13	-63.1	-62.2	0.28	-46.3	-41	5.09
HE20 Beam Forming, M0 to M11 1ss	2	13	-63.1	-62.2	0.28	-46.3	-41	5.09
HE20 Beam Forming, M0 to M11 2ss	2	13	-63.1	-62.2	0.28	-46.3	-41	5.09
HE20 STBC, M0 to M11 2ss	2	13	-63.1	-62.2	0.28	-46.3	-41	5.09

Frequency 5230 MHz

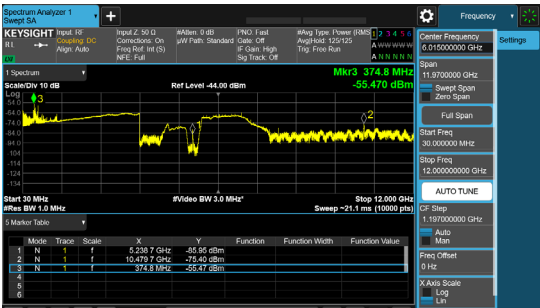
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	13	-61.1		0.17	-47.9	-41	6.68
Non HT40, 6 to 54 Mbps	2	13	-62.4	-60.6	0.17	-45.2	-41	3.98
HT/VHT40, M0 to M7	1	13	-62.7		0.3	-49.4	-41	8.15
HT/VHT40, M0 to M7	2	13	-62.8	-61.2	0.3	-45.6	-41	4.37
HT/VHT40, M8 to M15	2	13	-62.8	-61.2	0.3	-45.6	-41	4.37
HT/VHT40 Beam Forming, M0 to M7	2	13	-62.8	-61.2	0.3	-45.6	-41	4.37
HT/VHT40 Beam Forming, M8 to M15	2	13	-62.8	-61.2	0.3	-45.6	-41	4.37
HT/VHT40 STBC, M8 to M15	2	13	-62.8	-61.2	0.3	-45.6	-41	4.37
HE40, M0 to M11 1ss	1	13	-62.1		0.27	-48.8	-41	7.58
HE40, M0 to M11 1ss	2	13	-62.8	-61.7	0.27	-45.9	-41	4.68
HE40, M0 to M11 2ss	2	13	-62.8	-61.7	0.27	-45.9	-41	4.68
HE40 Beam Forming, M0 to M11 1ss	2	13	-62.8	-61.7	0.27	-45.9	-41	4.68
HE40 Beam Forming, M0 to M11 2ss	2	13	-62.8	-61.7	0.27	-45.9	-41	4.68
HE40 STBC, M0 to M11 2ss	2	13	-62.8	-61.7	0.27	-45.9	-41	4.68

Frequency 5240 MHz

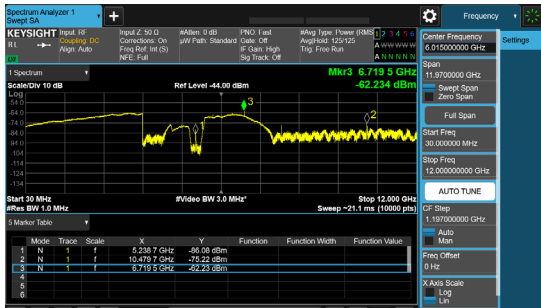
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	13	-62.0		0.26	-48.7	-41	7.49
Non HT20, 6 to 54 Mbps	2	13	-55.6	-62.4	0.26	-41.5	-41	0.27
Non HT20 Beam Forming, 6 to 54 Mbps	2	13	-55.6	-62.4	0.26	-41.5	-41	0.27
HT/VHT20, M0 to M7	1	13	-55.7		0.36	-42.3	-41	1.09
HT/VHT20, M0 to M7	2	13	-55.5	-62.2	0.36	-41.3	-41	0.05
HT/VHT20, M8 to M15	2	13	-55.5	-62.2	0.36	-41.3	-41	0.05
HT/VHT20 Beam Forming, M0 to M7	2	13	-55.5	-62.2	0.36	-41.3	-41	0.05
HT/VHT20 Beam Forming, M8 to M15	2	13	-55.5	-62.2	0.36	-41.3	-41	0.05
HT/VHT20 STBC, M8 to M15	2	13	-55.5	-62.2	0.36	-41.3	-41	0.05
HE20, M0 to M11 1ss	1	13	-55.5		0.28	-42.2	-41	0.97
HE20, M0 to M11 1ss	2	13	-55.4	-62.5	0.28	-41.3	-41	0.1
HE20, M0 to M11 2ss	2	13	-55.4	-62.5	0.28	-41.3	-41	0.1
HE20 Beam Forming, M0 to M11 1ss	2	13	-55.4	-62.5	0.28	-41.3	-41	0.1
HE20 Beam Forming, M0 to M11 2ss	2	13	-55.4	-62.5	0.28	-41.3	-41	0.1
HE20 STBC, M0 to M11 2ss	2	13	-55.4	-62.5	0.28	-41.3	-41	0.1

Data Screenshots – Antenna gain 13dBi Average.

5240 MHz: HT/VHT20, M0 to M7

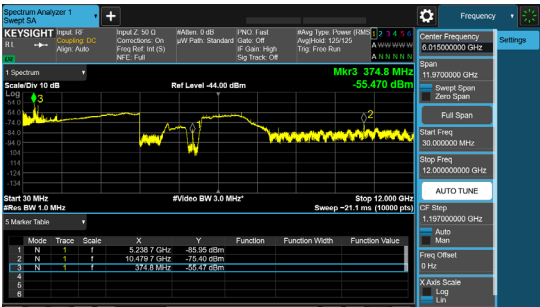


Antenna A

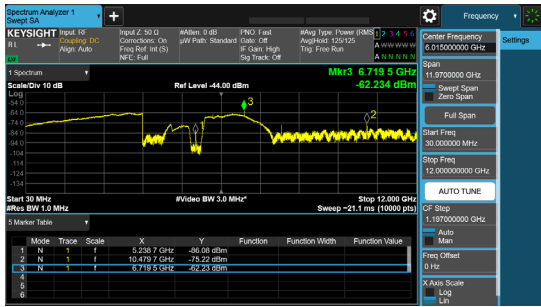


Antenna B

5240 MHz: HT/VHT20, M8 to M15

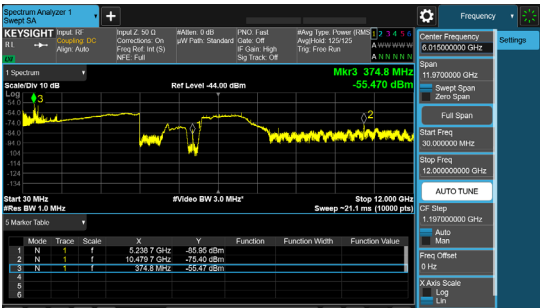


Antenna A

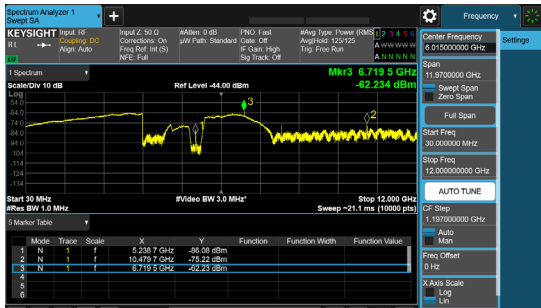


Antenna B

5240 MHz: HT/VHT20 Beam Forming, M0 to M7



Antenna A



Antenna B

Conducted Spurious emissions Peak – Antenna gain 13dBi.**Frequency 5180 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	-62.2		0.26	-48.9	-27	21.94
Non HT20, 6 to 54 Mbps	2	13	-63.3	-63.7	0.26	-47.2	-27	20.23
Non HT20 Beam Forming, 6 to 54 Mbps	2	13	-63.3	-63.7	0.26	-47.2	-27	20.23
HT/VHT20, M0 to M7	1	13	-62.8		0.36	-49.4	-27	22.44
HT/VHT20, M0 to M7	2	13	-63.6	-63.1	0.36	-47.0	-27	19.97
HT/VHT20, M8 to M15	2	13	-63.6	-63.1	0.36	-47.0	-27	19.97
HT/VHT20 Beam Forming, M0 to M7	2	13	-63.6	-63.1	0.36	-47.0	-27	19.97
HT/VHT20 Beam Forming, M8 to M15	2	13	-63.6	-63.1	0.36	-47.0	-27	19.97
HT/VHT20 STBC, M8 to M15	2	13	-63.6	-63.1	0.36	-47.0	-27	19.97
HE20, M0 to M11 1ss	1	13	-62.5		0.28	-49.2	-27	22.22
HE20, M0 to M11 1ss	2	13	-63.4	-62.5	0.28	-46.6	-27	19.64
HE20, M0 to M11 2ss	2	13	-63.4	-62.5	0.28	-46.6	-27	19.64
HE20 Beam Forming, M0 to M11 1ss	2	13	-63.4	-62.5	0.28	-46.6	-27	19.64
HE20 Beam Forming, M0 to M11 2ss	2	13	-63.4	-62.5	0.28	-46.6	-27	19.64
HE20 STBC, M0 to M11 2ss	2	13	-63.4	-62.5	0.28	-46.6	-27	19.64

Frequency 5190 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	-63.1		0.17	-49.9	-27	22.93
Non HT40, 6 to 54 Mbps	2	13	-63.7	-63.8	0.17	-47.6	-27	20.57
HT/VHT40, M0 to M7	1	13	-63.0		0.3	-49.7	-27	22.7
HT/VHT40, M0 to M7	2	13	-62.8	-63.1	0.3	-46.6	-27	19.64
HT/VHT40, M8 to M15	2	13	-62.8	-63.1	0.3	-46.6	-27	19.64
HT/VHT40 Beam Forming, M0 to M7	2	13	-62.8	-63.1	0.3	-46.6	-27	19.64
HT/VHT40 Beam Forming, M8 to M15	2	13	-62.8	-63.1	0.3	-46.6	-27	19.64
HT/VHT40 STBC, M8 to M15	2	13	-62.8	-63.1	0.3	-46.6	-27	19.64
HE40, M0 to M11 1ss	1	13	-63.3		0.27	-50.0	-27	23.03
HE40, M0 to M11 1ss	2	13	-63.8	-62.3	0.27	-46.7	-27	19.7
HE40, M0 to M11 2ss	2	13	-63.8	-62.3	0.27	-46.7	-27	19.7
HE40 Beam Forming, M0 to M11 1ss	2	13	-63.8	-62.3	0.27	-46.7	-27	19.7
HE40 Beam Forming, M0 to M11 2ss	2	13	-63.8	-62.3	0.27	-46.7	-27	19.7
HE40 STBC, M0 to M11 2ss	2	13	-63.8	-62.3	0.27	-46.7	-27	19.7

Frequency 5210 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	-63.3		0.38	-49.9	-27	22.92
Non HT80, 6 to 54 Mbps	2	13	-63.7	-62.2	0.38	-46.5	-27	19.49
VHT80, M0 to M11 1ss	1	13	-63.2		0.33	-49.9	-27	22.87
VHT80, M0 to M11 1ss	2	13	-63.0	-62.2	0.33	-46.2	-27	19.24
VHT80, M0 to M11 2ss	2	13	-63.0	-62.2	0.33	-46.2	-27	19.24
VHT80 Beam Forming, M0 to M11 1ss	2	13	-63.0	-62.2	0.33	-46.2	-27	19.24
VHT80 Beam Forming, M0 to M11 2ss	2	13	-63.0	-62.2	0.33	-46.2	-27	19.24
VHT80 STBC, M0 to M11 2ss	2	13	-63.0	-62.2	0.33	-46.2	-27	19.24
HE80, M0 to M11 1ss	1	13	-63.4		0.29	-50.1	-27	23.11
HE80, M0 to M11 1ss	2	13	-63.7	-63.1	0.29	-47.1	-27	20.09
HE80, M0 to M11 2ss	2	13	-63.7	-63.1	0.29	-47.1	-27	20.09
HE80 Beam Forming, M0 to M11 1ss	2	13	-63.7	-63.1	0.29	-47.1	-27	20.09
HE80 Beam Forming, M0 to M11 2ss	2	13	-63.7	-63.1	0.29	-47.1	-27	20.09
HE80 STBC, M0 to M11 2ss	2	13	-63.7	-63.1	0.29	-47.1	-27	20.09

Frequency 5220 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	-63.1		0.26	-49.8	-27	22.84
Non HT20, 6 to 54 Mbps	2	13	-63.1	-63.9	0.26	-47.2	-27	20.22
Non HT20 Beam Forming, 6 to 54 Mbps	2	13	-63.1	-63.9	0.26	-47.2	-27	20.22
HT/VHT20, M0 to M7	1	13	-63.2		0.36	-49.8	-27	22.84
HT/VHT20, M0 to M7	2	13	-63.6	-63.9	0.36	-47.4	-27	20.38
HT/VHT20, M8 to M15	2	13	-63.6	-63.9	0.36	-47.4	-27	20.38
HT/VHT20 Beam Forming, M0 to M7	2	13	-63.6	-63.9	0.36	-47.4	-27	20.38
HT/VHT20 Beam Forming, M8 to M15	2	13	-63.6	-63.9	0.36	-47.4	-27	20.38
HT/VHT20 STBC, M8 to M15	2	13	-63.6	-63.9	0.36	-47.4	-27	20.38
HE20, M0 to M11 1ss	1	13	-62.3		0.28	-49.0	-27	22.02
HE20, M0 to M11 1ss	2	13	-63.2	-63.7	0.28	-47.2	-27	20.15
HE20, M0 to M11 2ss	2	13	-63.2	-63.7	0.28	-47.2	-27	20.15
HE20 Beam Forming, M0 to M11 1ss	2	13	-63.2	-63.7	0.28	-47.2	-27	20.15
HE20 Beam Forming, M0 to M11 2ss	2	13	-63.2	-63.7	0.28	-47.2	-27	20.15
HE20 STBC, M0 to M11 2ss	2	13	-63.2	-63.7	0.28	-47.2	-27	20.15

Frequency 5230 MHz

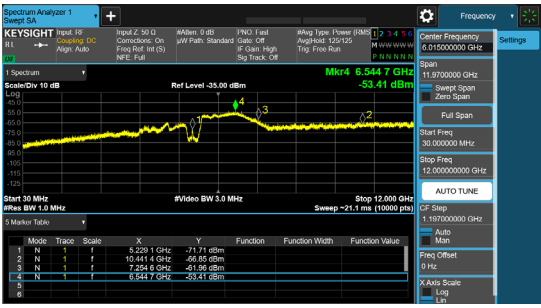
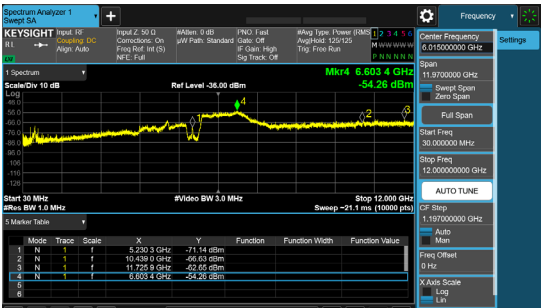
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	13	-63.3		0.17	-50.1	-27	23.13
Non HT40, 6 to 54 Mbps	2	13	-63.6	-63.3	0.17	-47.3	-27	20.27
HT/VHT40, M0 to M7	1	13	-63.3		0.3	-50.0	-27	23.0
HT/VHT40, M0 to M7	2	13	-63.6	-63.3	0.3	-47.1	-27	20.14
HT/VHT40, M8 to M15	2	13	-63.6	-63.3	0.3	-47.1	-27	20.14
HT/VHT40 Beam Forming, M0 to M7	2	13	-63.6	-63.3	0.3	-47.1	-27	20.14
HT/VHT40 Beam Forming, M8 to M15	2	13	-63.6	-63.3	0.3	-47.1	-27	20.14
HT/VHT40 STBC, M8 to M15	2	13	-63.6	-63.3	0.3	-47.1	-27	20.14
HE40, M0 to M11 1ss	1	13	-63.2		0.27	-49.9	-27	22.93
HE40, M0 to M11 1ss	2	13	-62.6	-62.0	0.27	-46.0	-27	19.01
HE40, M0 to M11 2ss	2	13	-62.6	-62.0	0.27	-46.0	-27	19.01
HE40 Beam Forming, M0 to M11 1ss	2	13	-62.6	-62.0	0.27	-46.0	-27	19.01
HE40 Beam Forming, M0 to M11 2ss	2	13	-62.6	-62.0	0.27	-46.0	-27	19.01
HE40 STBC, M0 to M11 2ss	2	13	-62.6	-62.0	0.27	-46.0	-27	19.01

Frequency 5240 MHz

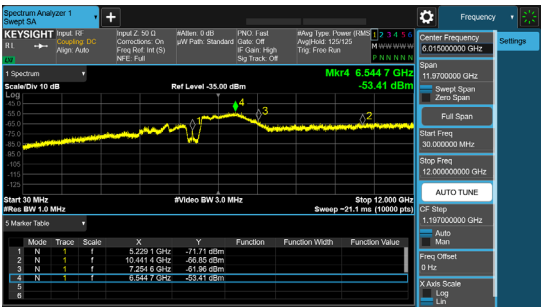
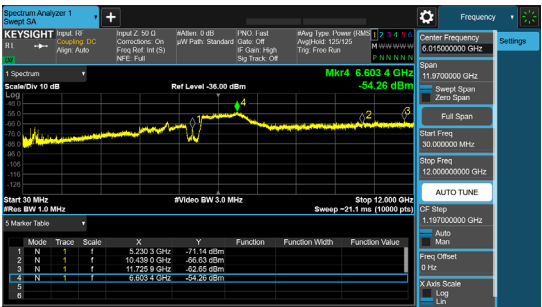
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	13	-63.7		0.26	-50.4	-27	23.44
Non HT20, 6 to 54 Mbps	2	13	-63.7	-63.1	0.26	-47.1	-27	20.12
Non HT20 Beam Forming, 6 to 54 Mbps	2	13	-63.7	-63.1	0.26	-47.1	-27	20.12
HT/VHT20, M0 to M7	1	13	-62.6		0.36	-49.2	-27	22.24
HT/VHT20, M0 to M7	2	13	-63.0	-63.0	0.36	-46.6	-27	19.63
HT/VHT20, M8 to M15	2	13	-63.0	-63.0	0.36	-46.6	-27	19.63
HT/VHT20 Beam Forming, M0 to M7	2	13	-63.0	-63.0	0.36	-46.6	-27	19.63
HT/VHT20 Beam Forming, M8 to M15	2	13	-63.0	-63.0	0.36	-46.6	-27	19.63
HT/VHT20 STBC, M8 to M15	2	13	-63.0	-63.0	0.36	-46.6	-27	19.63
HE20, M0 to M11 1ss	1	13	-63.4		0.28	-50.1	-27	23.12
HE20, M0 to M11 1ss	2	13	-63.2	-63.1	0.28	-46.9	-27	19.86
HE20, M0 to M11 2ss	2	13	-63.2	-63.1	0.28	-46.9	-27	19.86
HE20 Beam Forming, M0 to M11 1ss	2	13	-63.2	-63.1	0.28	-46.9	-27	19.86
HE20 Beam Forming, M0 to M11 2ss	2	13	-63.2	-63.1	0.28	-46.9	-27	19.86
HE20 STBC, M0 to M11 2ss	2	13	-63.2	-63.1	0.28	-46.9	-27	19.86

Data Screenshots – Antenna gain 13dBi Peak

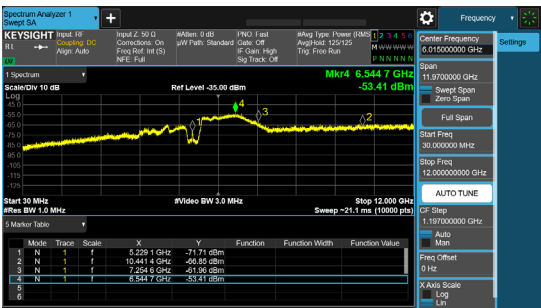
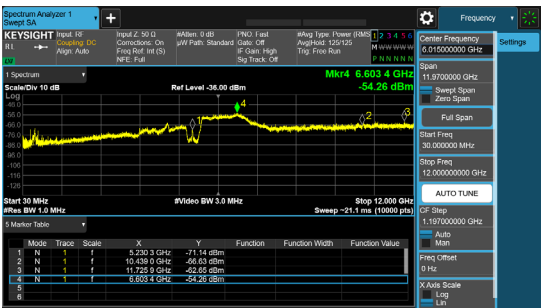
5230 MHz: HE40, M0 to M11 1ss



5230 MHz: HE40, M0 to M11 2ss



5230 MHz: HE40 Beam Forming, M0 to M11 1ss



Conducted Spurious emissions Average – Antenna gain 15dBi.**Frequency 5180 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	-63.3		0.26	-48.0	-41	6.79
Non HT20, 6 to 54 Mbps	2	15	-63.2	-61.5	0.26	-44.0	-41	2.75
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-63.2	-61.5	0.26	-44.0	-41	2.75
HT/VHT20, M0 to M7	1	15	-62.9		0.36	-47.5	-41	6.29
HT/VHT20, M0 to M7	2	15	-63.1	-61.6	0.36	-43.9	-41	2.67
HT/VHT20, M8 to M15	2	15	-63.1	-61.6	0.36	-43.9	-41	2.67
HT/VHT20 Beam Forming, M0 to M7	2	15	-63.1	-61.6	0.36	-43.9	-41	2.67
HT/VHT20 Beam Forming, M8 to M15	2	15	-63.1	-61.6	0.36	-43.9	-41	2.67
HT/VHT20 STBC, M8 to M15	2	15	-63.1	-61.6	0.36	-43.9	-41	2.67
HE20, M0 to M11 1ss	1	15	-62.6		0.28	-47.3	-41	6.07
HE20, M0 to M11 1ss	2	15	-63.0	-61.9	0.28	-44.1	-41	2.87
HE20, M0 to M11 2ss	2	15	-63.0	-61.9	0.28	-44.1	-41	2.87
HE20 Beam Forming, M0 to M11 1ss	2	15	-63.0	-61.9	0.28	-44.1	-41	2.87
HE20 Beam Forming, M0 to M11 2ss	2	15	-63.0	-61.9	0.28	-44.1	-41	2.87
HE20 STBC, M0 to M11 2ss	2	15	-63.0	-61.9	0.28	-44.1	-41	2.87

Frequency 5190 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	-62.8		0.17	-47.6	-41	6.38
Non HT40, 6 to 54 Mbps	2	15	-63.1	-61.0	0.17	-43.7	-41	2.49
HT/VHT40, M0 to M7	1	15	-62.5		0.3	-47.2	-41	5.95
HT/VHT40, M0 to M7	2	15	-62.1	-61.4	0.3	-43.4	-41	2.18
HT/VHT40, M8 to M15	2	15	-62.1	-61.4	0.3	-43.4	-41	2.18
HT/VHT40 Beam Forming, M0 to M7	2	15	-62.1	-61.4	0.3	-43.4	-41	2.18
HT/VHT40 Beam Forming, M8 to M15	2	15	-62.1	-61.4	0.3	-43.4	-41	2.18
HT/VHT40 STBC, M8 to M15	2	15	-62.1	-61.4	0.3	-43.4	-41	2.18
HE40, M0 to M11 1ss	1	15	-62.6		0.27	-47.3	-41	6.08
HE40, M0 to M11 1ss	2	15	-62.6	-61.1	0.27	-43.5	-41	2.25
HE40, M0 to M11 2ss	2	15	-62.6	-61.1	0.27	-43.5	-41	2.25
HE40 Beam Forming, M0 to M11 1ss	2	15	-62.6	-61.1	0.27	-43.5	-41	2.25
HE40 Beam Forming, M0 to M11 2ss	2	15	-62.6	-61.1	0.27	-43.5	-41	2.25
HE40 STBC, M0 to M11 2ss	2	15	-62.6	-61.1	0.27	-43.5	-41	2.25

Frequency 5210 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	-61.3		0.38	-45.9	-41	4.67
Non HT80, 6 to 54 Mbps	2	15	-68.4	-69.3	0.38	-50.4	-41	9.18
VHT80, M0 to M11 1ss	1	15	-61.7		0.33	-46.4	-41	5.12
VHT80, M0 to M11 1ss	2	15	-60.9	-61.2	0.33	-42.7	-41	1.46
VHT80, M0 to M11 2ss	2	15	-60.9	-61.2	0.33	-42.7	-41	1.46
VHT80 Beam Forming, M0 to M11 1ss	2	15	-60.9	-61.2	0.33	-42.7	-41	1.46
VHT80 Beam Forming, M0 to M11 2ss	2	15	-60.9	-61.2	0.33	-42.7	-41	1.46
VHT80 STBC, M0 to M11 2ss	2	15	-60.9	-61.2	0.33	-42.7	-41	1.46
HE80, M0 to M11 1ss	1	15	-61.2		0.29	-45.9	-41	4.66
HE80, M0 to M11 1ss	2	15	-68.5	-68.9	0.29	-50.4	-41	9.14
HE80, M0 to M11 2ss	2	15	-68.5	-68.9	0.29	-50.4	-41	9.14
HE80 Beam Forming, M0 to M11 1ss	2	15	-68.5	-68.9	0.29	-50.4	-41	9.14
HE80 Beam Forming, M0 to M11 2ss	2	15	-68.5	-68.9	0.29	-50.4	-41	9.14
HE80 STBC, M0 to M11 2ss	2	15	-68.5	-68.9	0.29	-50.4	-41	9.14

Frequency 5220 MHz

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	15	-62.2		0.26	-46.9	-41	5.69
Non HT20, 6 to 54 Mbps	2	15	-62.7	-61.3	0.26	-43.7	-41	2.43
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-62.7	-61.3	0.26	-43.7	-41	2.43
HT/VHT20, M0 to M7	1	15	-61.7		0.36	-46.3	-41	5.09
HT/VHT20, M0 to M7	2	15	-62.9	-61.6	0.36	-43.8	-41	2.58
HT/VHT20, M8 to M15	2	15	-62.9	-61.6	0.36	-43.8	-41	2.58
HT/VHT20 Beam Forming, M0 to M7	2	15	-62.9	-61.6	0.36	-43.8	-41	2.58
HT/VHT20 Beam Forming, M8 to M15	2	15	-62.9	-61.6	0.36	-43.8	-41	2.58
HT/VHT20 STBC, M8 to M15	2	15	-62.9	-61.6	0.36	-43.8	-41	2.58
HE20, M0 to M11 1ss	1	15	-62.2		0.28	-46.9	-41	5.67
HE20, M0 to M11 1ss	2	15	-63.0	-62.0	0.28	-44.2	-41	2.93
HE20, M0 to M11 2ss	2	15	-63.0	-62.0	0.28	-44.2	-41	2.93
HE20 Beam Forming, M0 to M11 1ss	2	15	-63.0	-62.0	0.28	-44.2	-41	2.93
HE20 Beam Forming, M0 to M11 2ss	2	15	-63.0	-62.0	0.28	-44.2	-41	2.93
HE20 STBC, M0 to M11 2ss	2	15	-63.0	-62.0	0.28	-44.2	-41	2.93

Frequency 5230 MHz

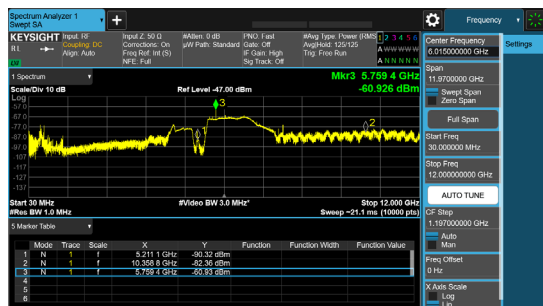
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT40, 6 to 54 Mbps	1	15	-61.3		0.17	-46.1	-41	4.88
Non HT40, 6 to 54 Mbps	2	15	-62.6	-61.1	0.17	-43.6	-41	2.36
HT/VHT40, M0 to M7	1	15	-61.7		0.3	-46.4	-41	5.15
HT/VHT40, M0 to M7	2	15	-62.8	-61.1	0.3	-43.6	-41	2.31
HT/VHT40, M8 to M15	2	15	-62.8	-61.1	0.3	-43.6	-41	2.31
HT/VHT40 Beam Forming, M0 to M7	2	15	-62.8	-61.1	0.3	-43.6	-41	2.31
HT/VHT40 Beam Forming, M8 to M15	2	15	-62.8	-61.1	0.3	-43.6	-41	2.31
HT/VHT40 STBC, M8 to M15	2	15	-62.8	-61.1	0.3	-43.6	-41	2.31
HE40, M0 to M11 1ss	1	15	-61.2		0.27	-45.9	-41	4.68
HE40, M0 to M11 1ss	2	15	-62.1	-61.6	0.27	-43.6	-41	2.31
HE40, M0 to M11 2ss	2	15	-62.1	-61.6	0.27	-43.6	-41	2.31
HE40 Beam Forming, M0 to M11 1ss	2	15	-62.1	-61.6	0.27	-43.6	-41	2.31
HE40 Beam Forming, M0 to M11 2ss	2	15	-62.1	-61.6	0.27	-43.6	-41	2.31
HE40 STBC, M0 to M11 2ss	2	15	-62.1	-61.6	0.27	-43.6	-41	2.31

Frequency 5240 MHz

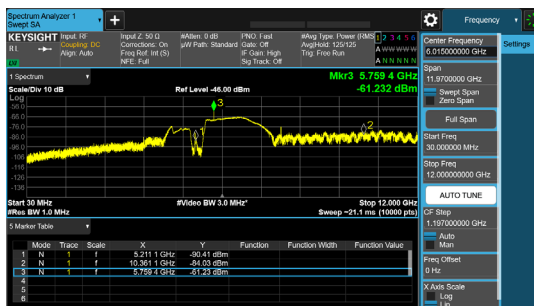
Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	15	-63.5		0.26	-48.2	-41	6.99
Non HT20, 6 to 54 Mbps	2	15	-63.2	-62.4	0.26	-44.5	-41	3.27
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-63.2	-62.4	0.26	-44.5	-41	3.27
HT/VHT20, M0 to M7	1	15	-64.2		0.36	-48.8	-41	7.59
HT/VHT20, M0 to M7	2	15	-63.9	-62.4	0.36	-44.7	-41	3.47
HT/VHT20, M8 to M15	2	15	-63.9	-62.4	0.36	-44.7	-41	3.47
HT/VHT20 Beam Forming, M0 to M7	2	15	-63.9	-62.4	0.36	-44.7	-41	3.47
HT/VHT20 Beam Forming, M8 to M15	2	15	-63.9	-62.4	0.36	-44.7	-41	3.47
HT/VHT20 STBC, M8 to M15	2	15	-63.9	-62.4	0.36	-44.7	-41	3.47
HE20, M0 to M11 1ss	1	15	-64.2		0.28	-48.9	-41	7.67
HE20, M0 to M11 1ss	2	15	-64.5	-62.1	0.28	-44.8	-41	3.6
HE20, M0 to M11 2ss	2	15	-64.5	-62.1	0.28	-44.8	-41	3.6
HE20 Beam Forming, M0 to M11 1ss	2	15	-64.5	-62.1	0.28	-44.8	-41	3.6
HE20 Beam Forming, M0 to M11 2ss	2	15	-64.5	-62.1	0.28	-44.8	-41	3.6
HE20 STBC, M0 to M11 2ss	2	15	-64.5	-62.1	0.28	-44.8	-41	3.6

Data Screenshots – Antenna gain 15dBi Average

5210 MHz: VHT80, M0 to M11 1ss

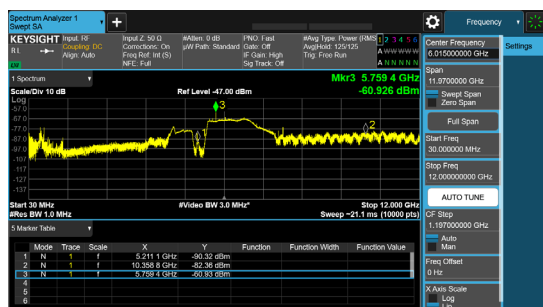


Antenna A

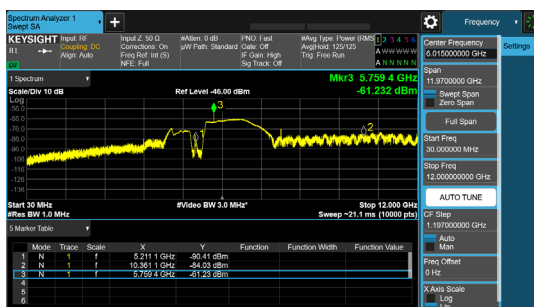


Antenna B

5210 MHz: VHT80, M0 to M11 2ss

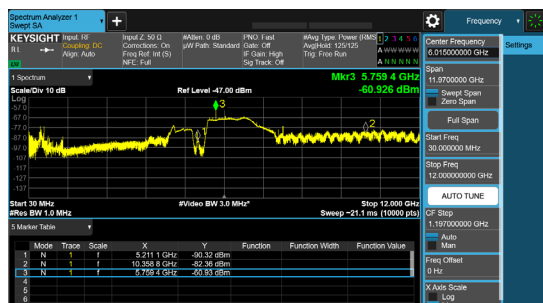


Antenna A

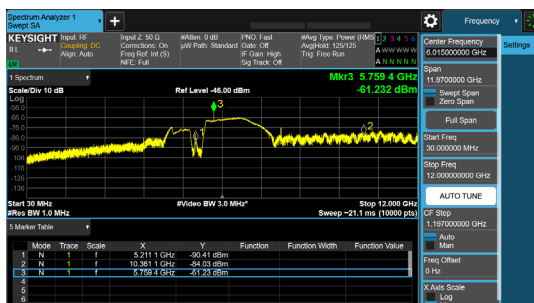


Antenna B

5210 MHz: VHT80 Beam Forming, M0 to M11 1ss



Antenna A



Antenna B

Conducted Spurious emissions Peak – Antenna gain 15dBi.**Frequency 5180 MHz**

Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Duty Cycle (dB)	Total Conducted Spur (dBm)	Limit (dB)	Margin (dB)
Non HT20, 6 to 54 Mbps	1	15	-62.8		0.26	-47.5	-27	20.54
Non HT20, 6 to 54 Mbps	2	15	-62.8	-63.6	0.26	-44.9	-27	17.92
Non HT20 Beam Forming, 6 to 54 Mbps	2	15	-62.8	-63.6	0.26	-44.9	-27	17.92
HT/VHT20, M0 to M7	1	15	-63.1		0.36	-47.7	-27	20.74
HT/VHT20, M0 to M7	2	15	-63.3	-63.7	0.36	-45.1	-27	18.13
HT/VHT20, M8 to M15	2	15	-63.3	-63.7	0.36	-45.1	-27	18.13
HT/VHT20 Beam Forming, M0 to M7	2	15	-63.3	-63.7	0.36	-45.1	-27	18.13
HT/VHT20 Beam Forming, M8 to M15	2	15	-63.3	-63.7	0.36	-45.1	-27	18.13
HT/VHT20 STBC, M8 to M15	2	15	-63.3	-63.7	0.36	-45.1	-27	18.13
HE20, M0 to M11 1ss	1	15	-63.7		0.28	-48.4	-27	21.42
HE20, M0 to M11 1ss	2	15	-62.7	-63.0	0.28	-44.6	-27	17.56
HE20, M0 to M11 2ss	2	15	-62.7	-63.0	0.28	-44.6	-27	17.56
HE20 Beam Forming, M0 to M11 1ss	2	15	-62.7	-63.0	0.28	-44.6	-27	17.56
HE20 Beam Forming, M0 to M11 2ss	2	15	-62.7	-63.0	0.28	-44.6	-27	17.56
HE20 STBC, M0 to M11 2ss	2	15	-62.7	-63.0	0.28	-44.6	-27	17.56

Frequency 5190 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		0.17	-48.5	-27	21.53
Non HT40, 6 to 54 Mbps	2	15	-63.4	-63.2	0.17	-45.1	-27	18.12
HT/VHT40, M0 to M7	1	15	-62.8		0.3	-47.5	-27	20.5
HT/VHT40, M0 to M7	2	15	-63.1	-63.0	0.3	-44.7	-27	17.74
HT/VHT40, M8 to M15	2	15	-63.1	-63.0	0.3	-44.7	-27	17.74
HT/VHT40 Beam Forming, M0 to M7	2	15	-63.1	-63.0	0.3	-44.7	-27	17.74
HT/VHT40 Beam Forming, M8 to M15	2	15	-63.1	-63.0	0.3	-44.7	-27	17.74
HT/VHT40 STBC, M8 to M15	2	15	-63.1	-63.0	0.3	-44.7	-27	17.74
HE40, M0 to M11 1ss	1	15	-63.8		0.27	-48.5	-27	21.53
HE40, M0 to M11 1ss	2	15	-63.2	-62.9	0.27	-44.8	-27	17.77
HE40, M0 to M11 2ss	2	15	-63.2	-62.9	0.27	-44.8	-27	17.77
HE40 Beam Forming, M0 to M11 1ss	2	15	-63.2	-62.9	0.27	-44.8	-27	17.77
HE40 Beam Forming, M0 to M11 2ss	2	15	-63.2	-62.9	0.27	-44.8	-27	17.77
HE40 STBC, M0 to M11 2ss	2	15	-63.2	-62.9	0.27	-44.8	-27	17.77