Appendix C

RF Test Data for 5.3G&5.5G WIFI (Conducted Measurement)

Product Name: Android Mobile Scanning Device

Test Model: DRS-50

Environmental Conditions

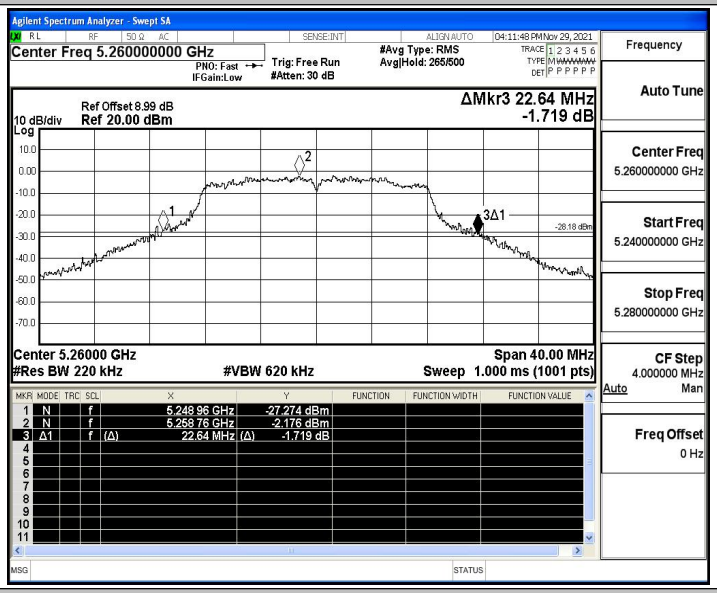
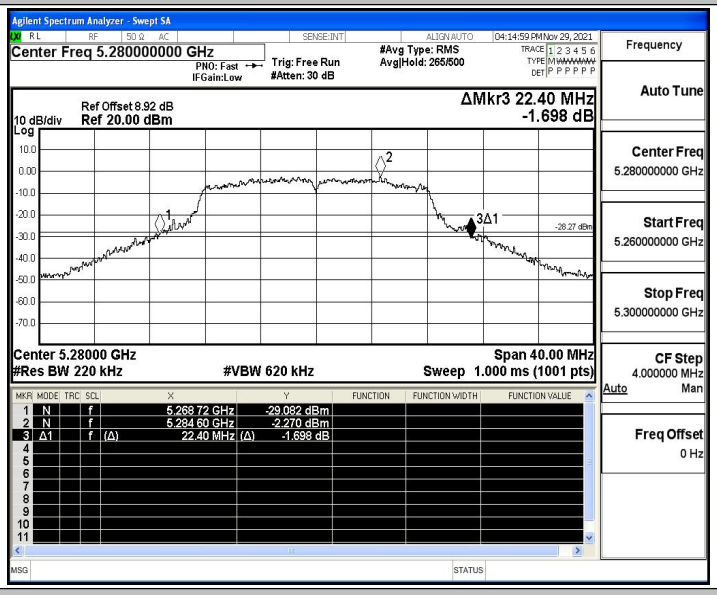
Temperature:	23.7° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Monkey Li
Supervised by:	Li Huan

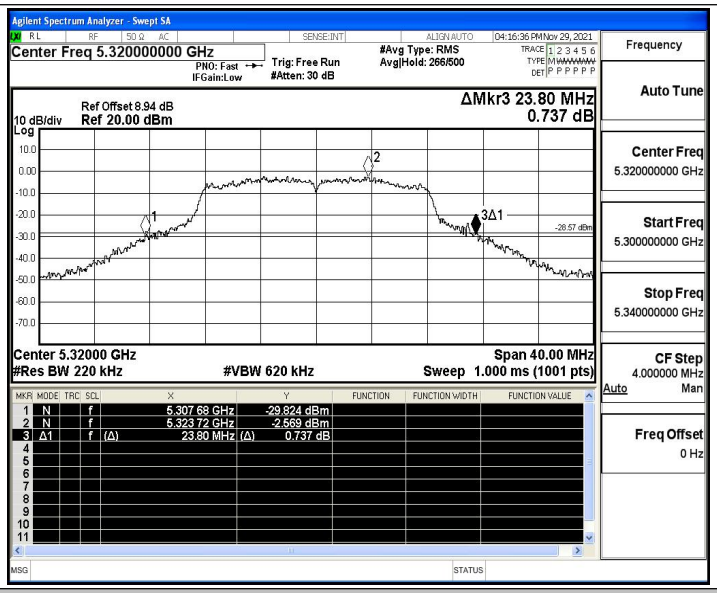
C.1 26dB Bandwidth

Test Result

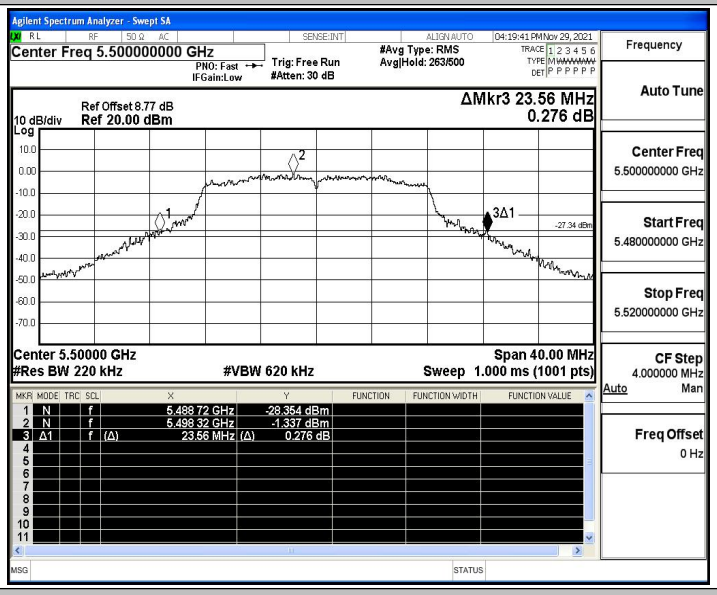
TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	22.640	5248.960	5271.600	---	PASS
		5280	22.400	5268.720	5291.120	---	PASS
		5320	23.800	5307.680	5331.480	---	PASS
		5500	23.560	5488.720	5512.280	---	PASS
		5580	23.440	5568.360	5591.800	---	PASS
		5700	23.000	5688.520	5711.520	---	PASS
11N20SISO	Ant1	5260	24.480	5247.560	5272.040	---	PASS
		5280	22.920	5268.400	5291.320	---	PASS
		5320	23.240	5307.960	5331.200	---	PASS
		5500	23.040	5488.240	5511.280	---	PASS
		5580	23.280	5568.360	5591.640	---	PASS
		5700	23.160	5688.200	5711.360	---	PASS
11N40SISO	Ant1	5270	42.080	5248.800	5290.880	---	PASS
		5310	42.000	5289.040	5331.040	---	PASS
		5510	41.920	5489.200	5531.120	---	PASS
		5550	43.120	5528.640	5571.760	---	PASS
		5670	43.680	5647.680	5691.360	---	PASS
11AC20SISO	Ant1	5260	23.200	5248.680	5271.880	---	PASS
		5280	23.240	5268.400	5291.640	---	PASS
		5320	23.040	5308.280	5331.320	---	PASS
		5500	22.880	5488.880	5511.760	---	PASS
		5580	23.520	5568.400	5591.920	---	PASS
		5700	22.120	5689.080	5711.200	---	PASS
11AC40SISO	Ant1	5270	42.880	5248.000	5290.880	---	PASS
		5310	42.240	5289.040	5331.280	---	PASS
		5510	42.720	5487.920	5530.640	---	PASS
		5550	43.440	5527.840	5571.280	---	PASS
		5670	42.960	5647.920	5690.880	---	PASS
11AC80SISO	Ant1	5290	81.440	5249.040	5330.480	---	PASS
		5530	80.960	5489.360	5570.320	---	PASS
		5610	81.440	5569.360	5650.800	---	PASS

Test Graphs

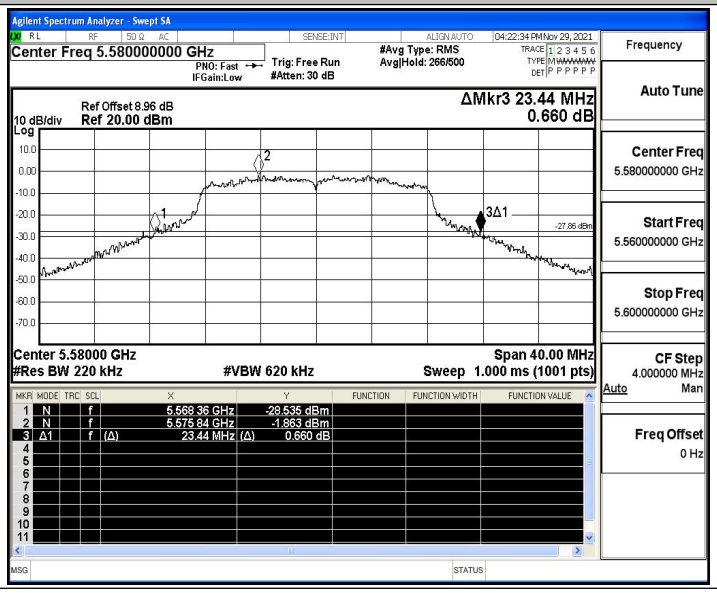
11A_Ant1_5260

11A_Ant1_5280

11A_Ant1_5320

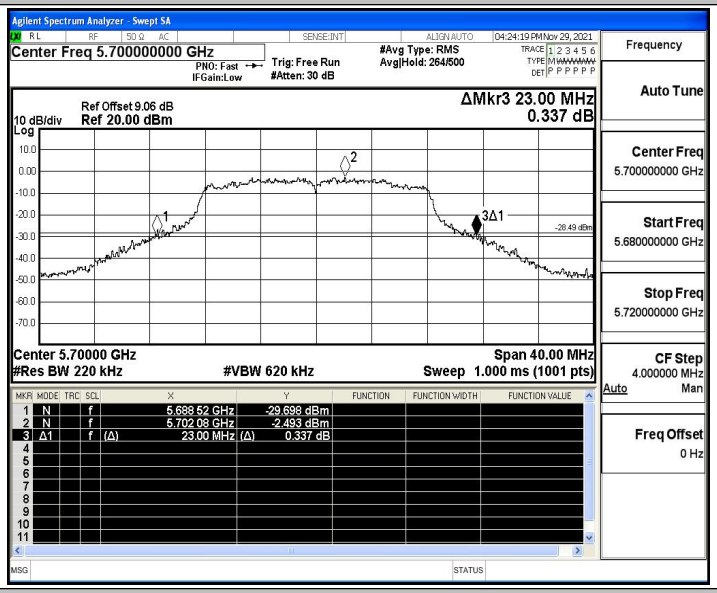
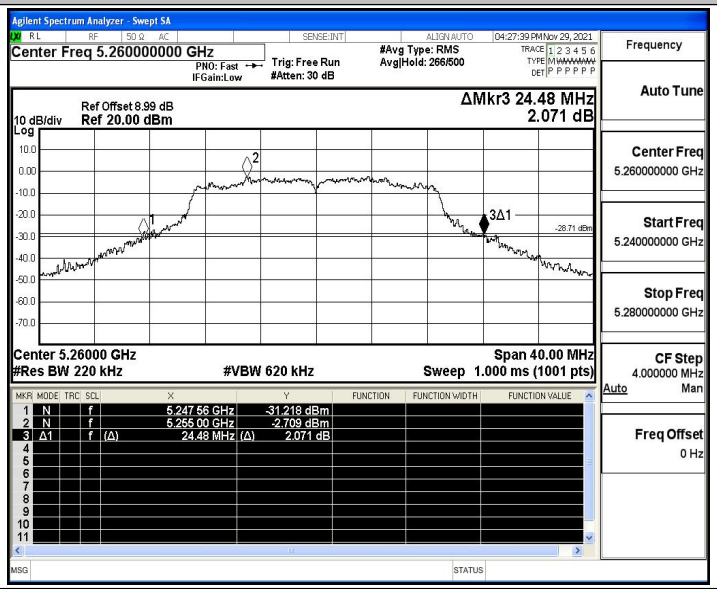


11A_Ant1_5500



11A_Ant1_5580



11A_Ant1_5700

11N20SISO_Ant1_5260

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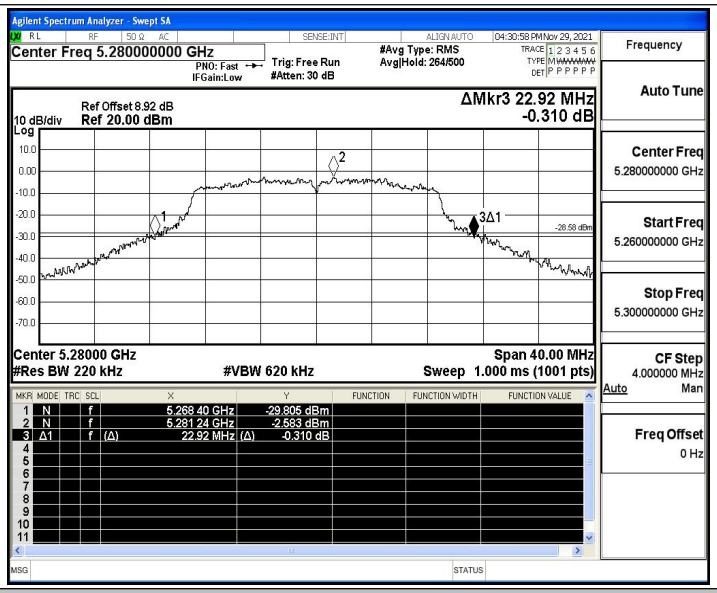
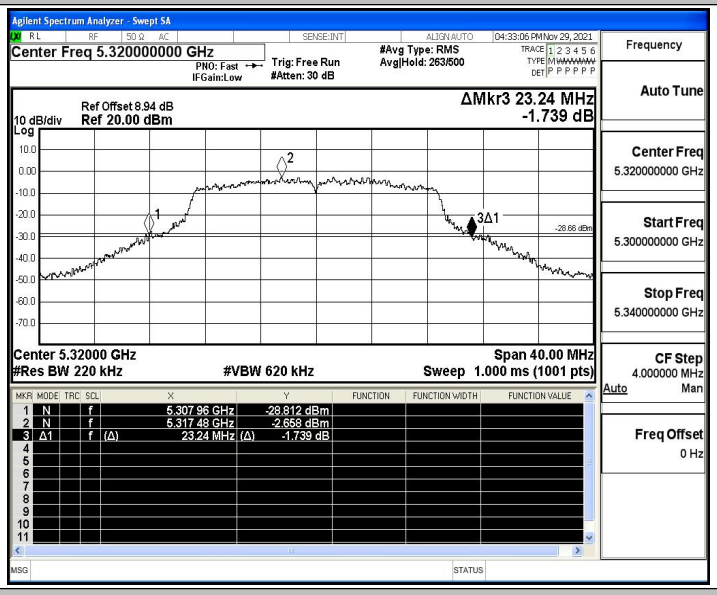
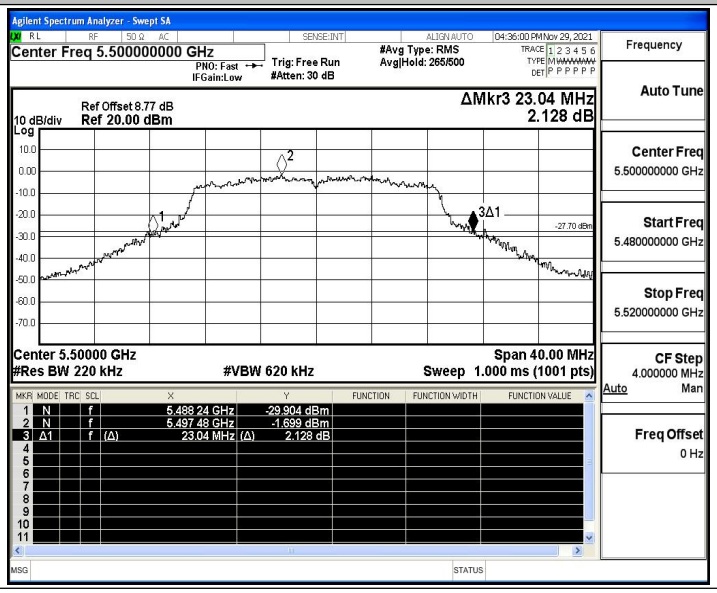


11N20SISO_Ant1_5320



11N20SISO_Ant1_5500



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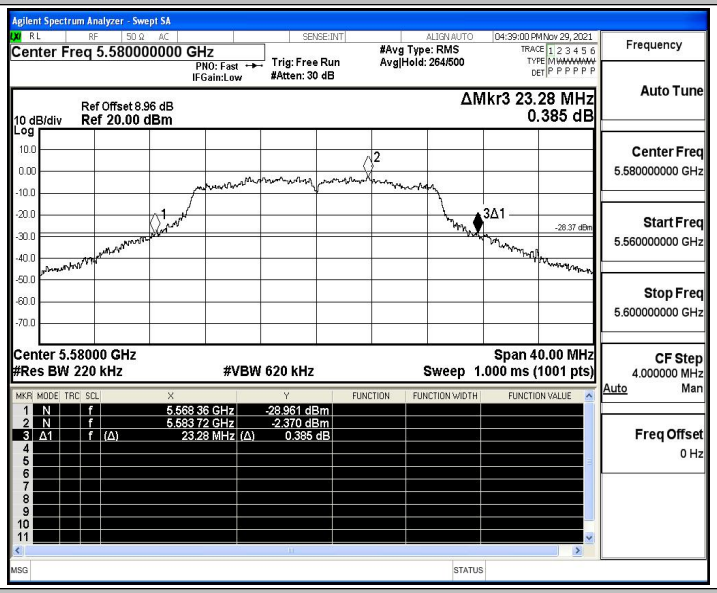
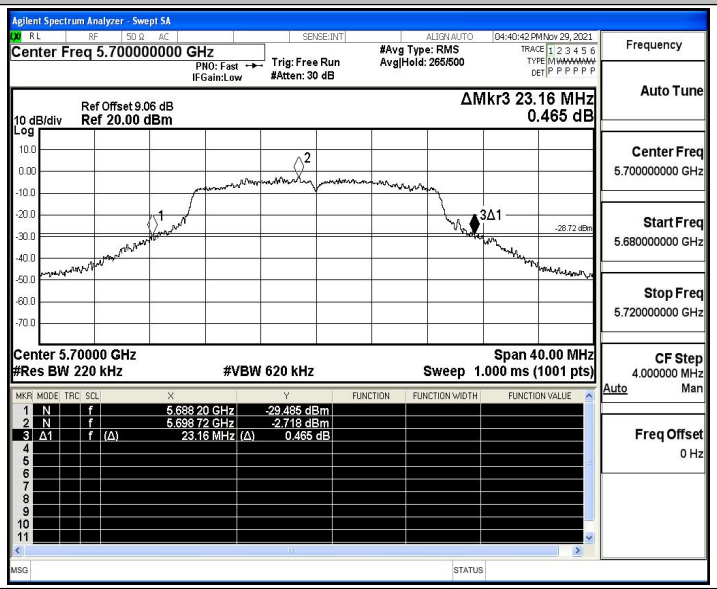
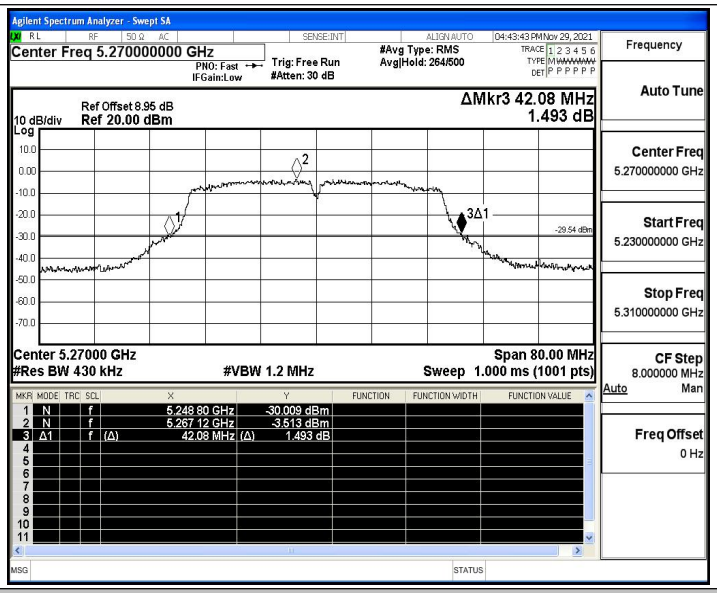
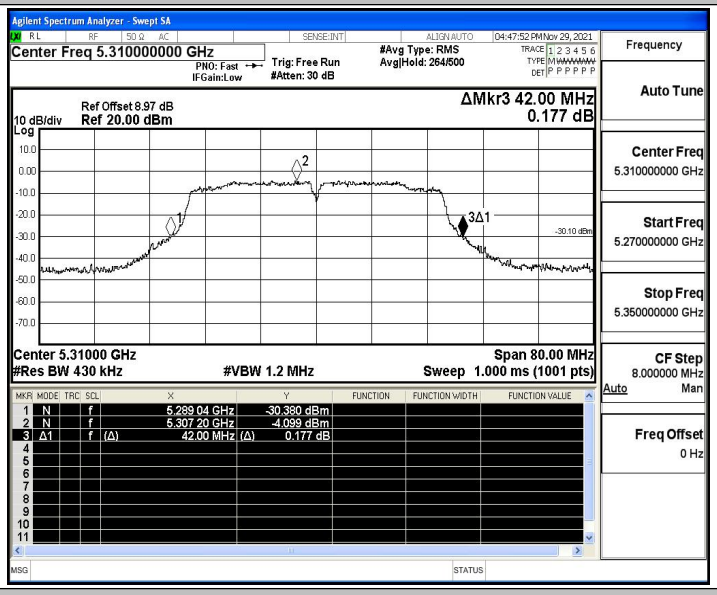
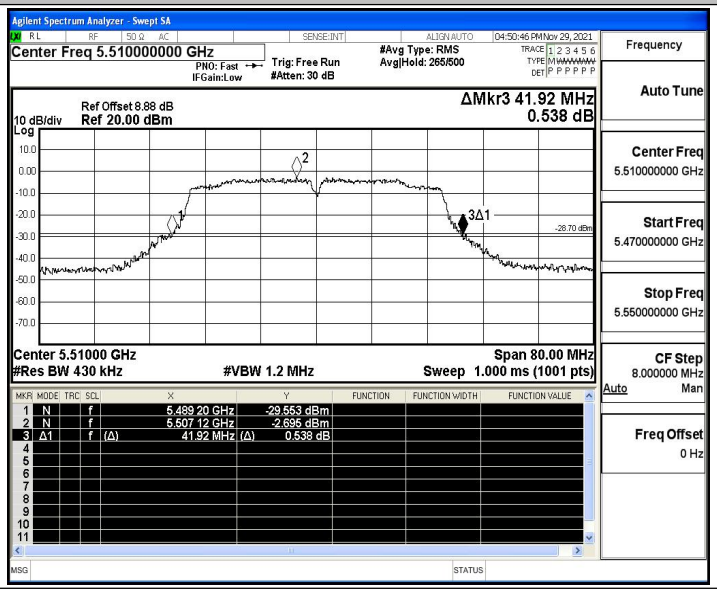

11N20SISO_Ant1_5700

11N40SISO_Ant1_5270

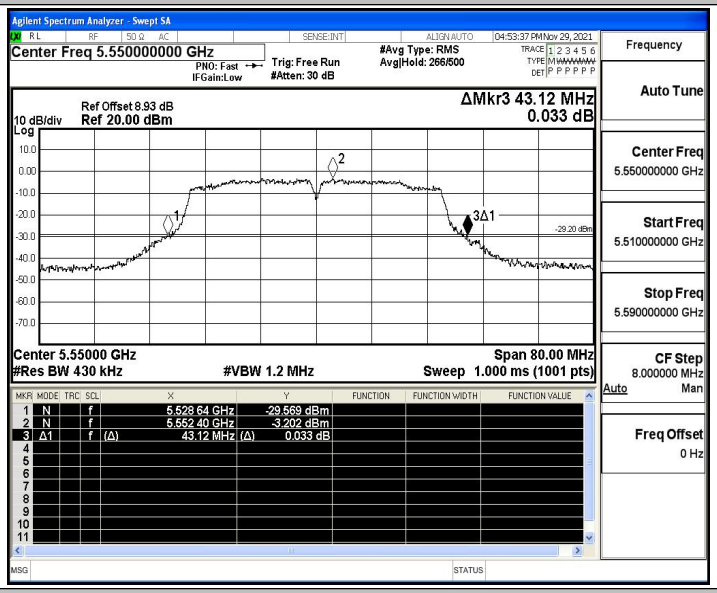
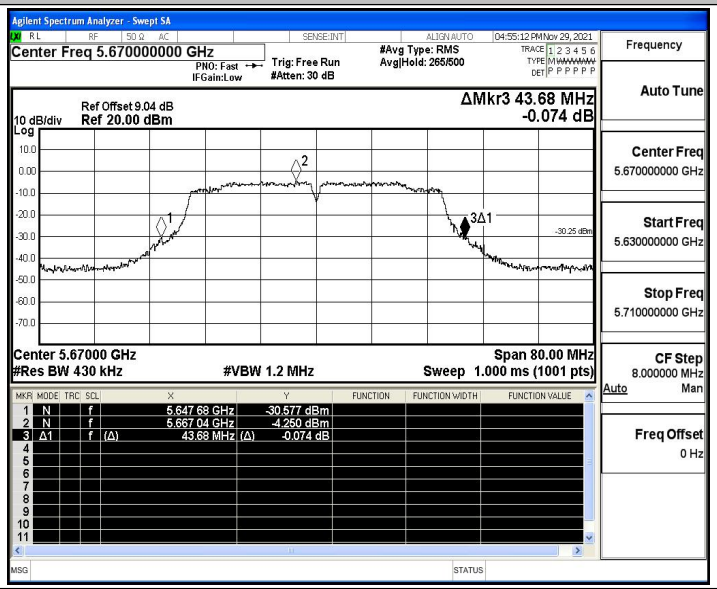


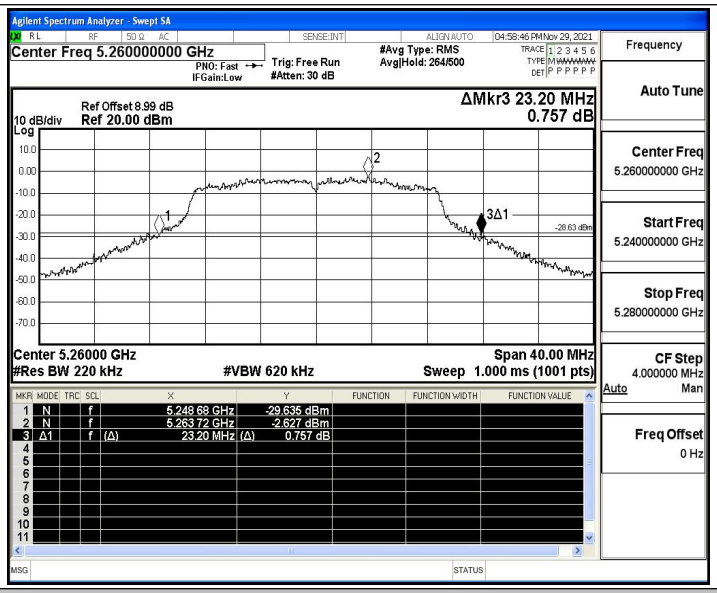
11N40SISO_Ant1_5310



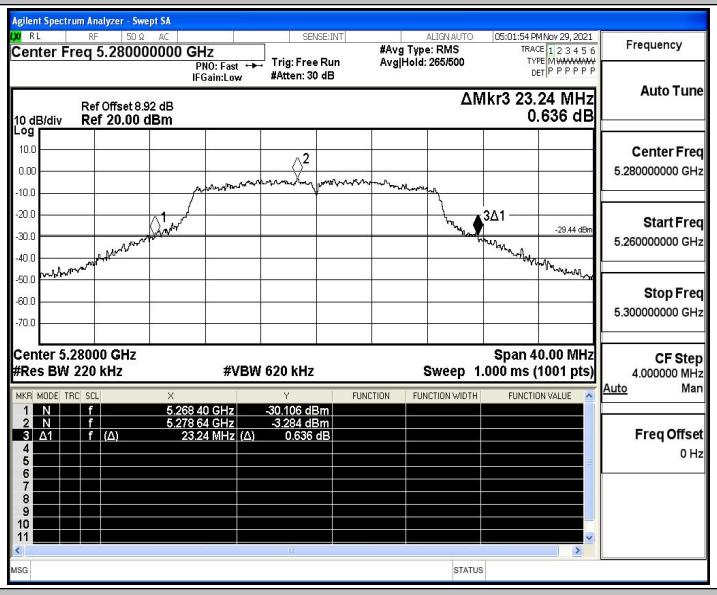
11N40SISO_Ant1_5510



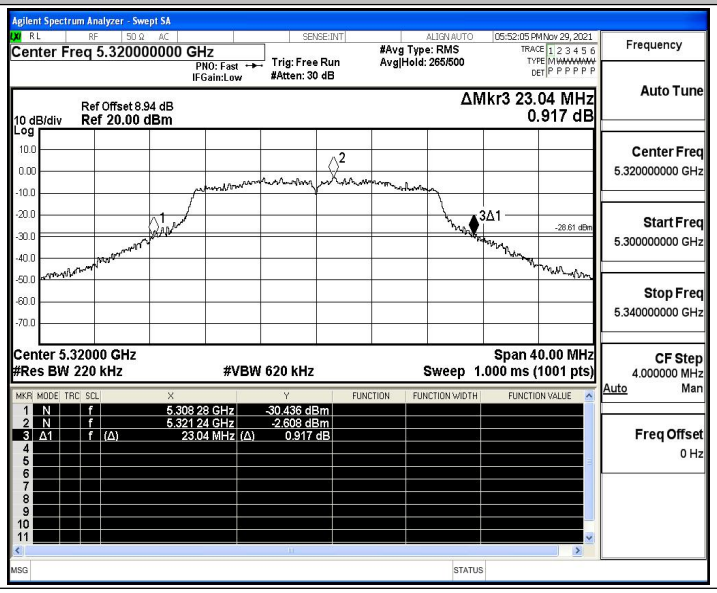
11N40SISO_Ant1_5550

11N40SISO_Ant1_5670

11AC20SISO_Ant1_5260

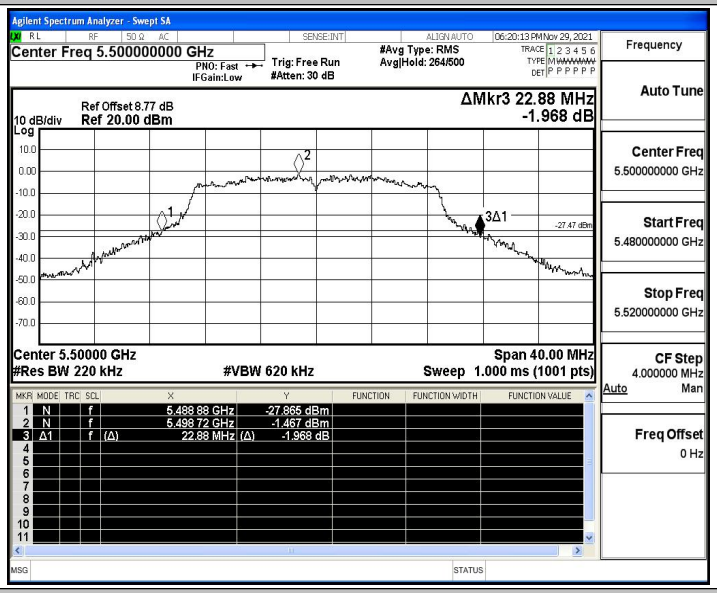
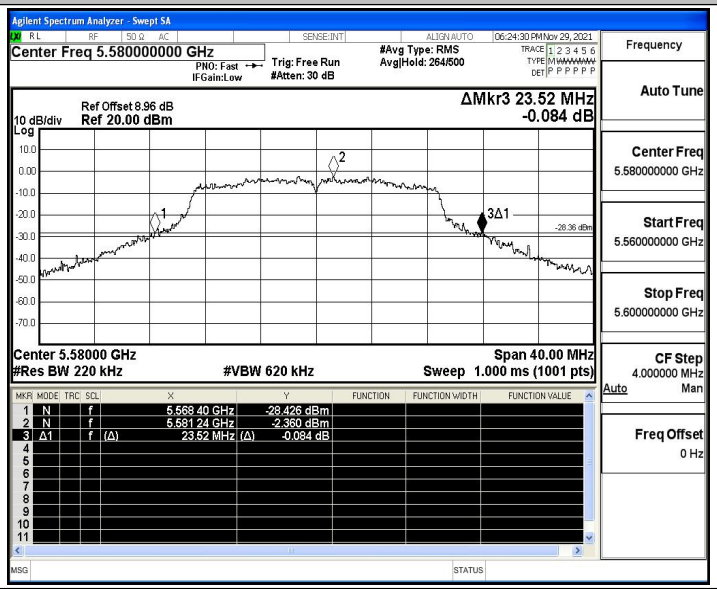


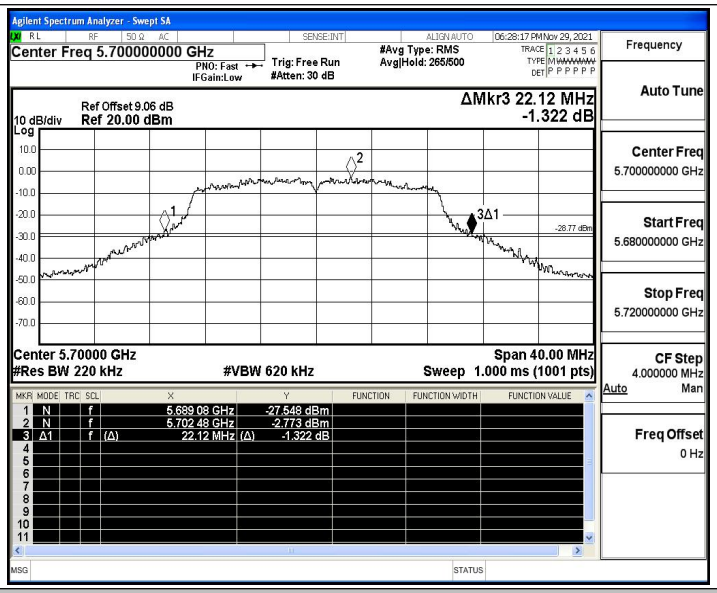
11AC20SISO_Ant1_5280



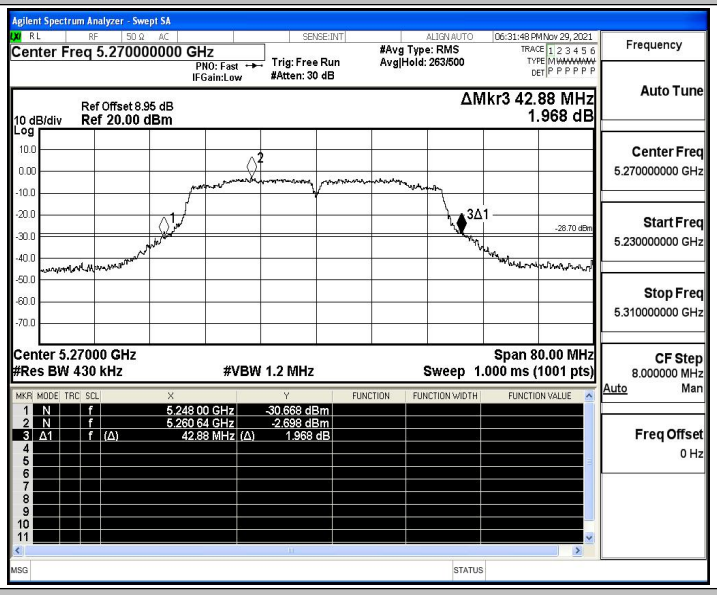
11AC20SISO_Ant1_5320



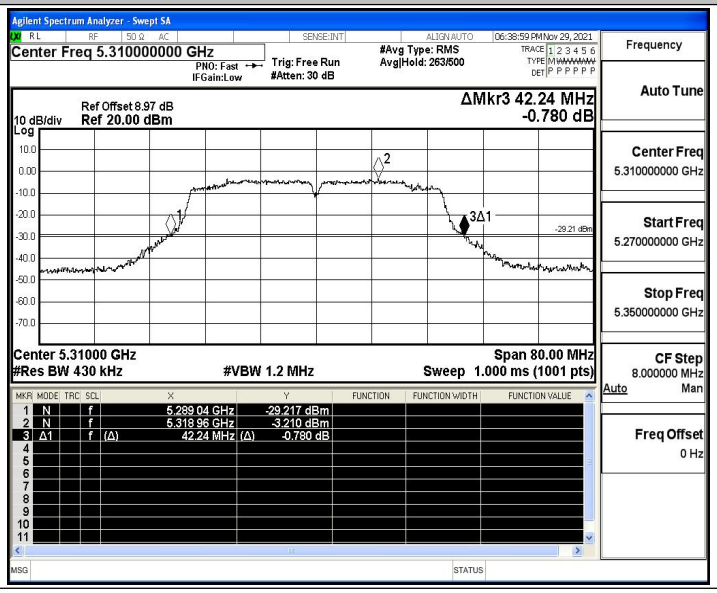
11AC20SISO_Ant1_5500

11AC20SISO_Ant1_5580

11AC20SISO_Ant1_5700

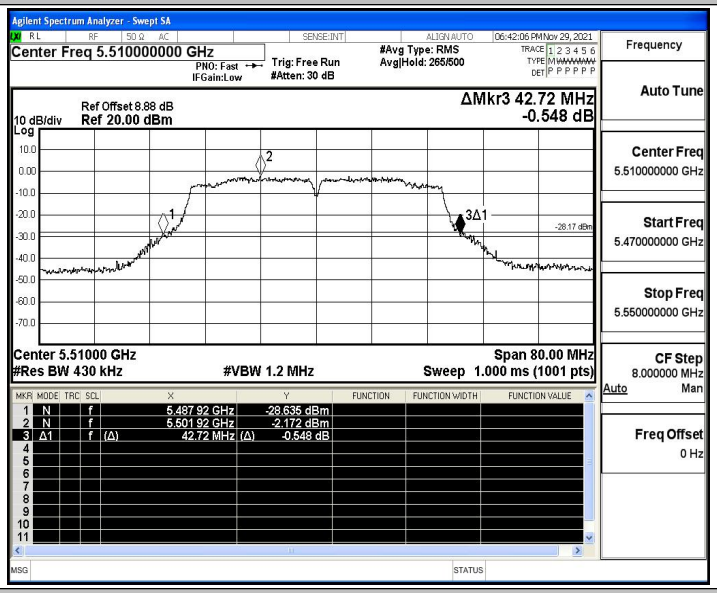
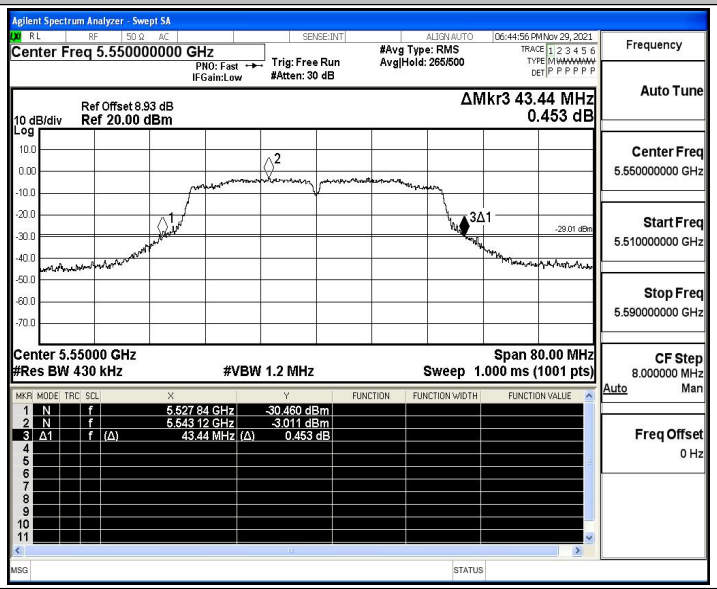


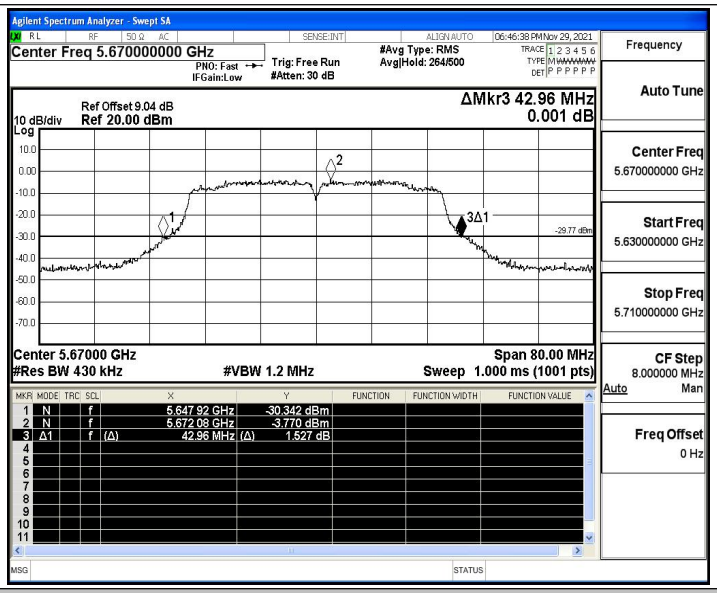
11AC40SISO_Ant1_5270



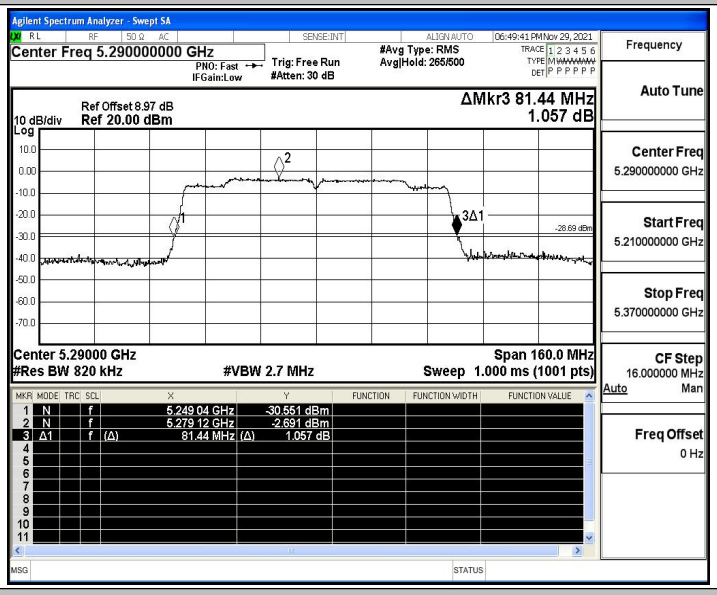
11AC40SISO_Ant1_5310



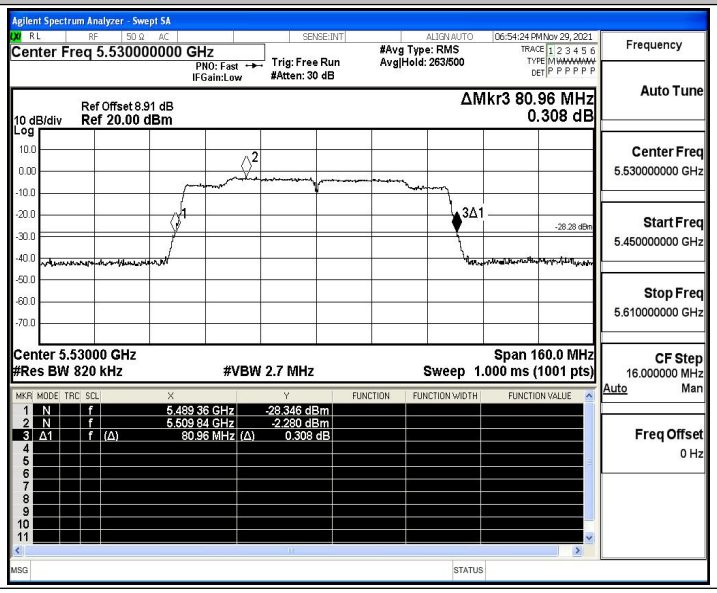
11AC40SISO_Ant1_5510

11AC40SISO_Ant1_5550

11AC40SISO_Ant1_5670

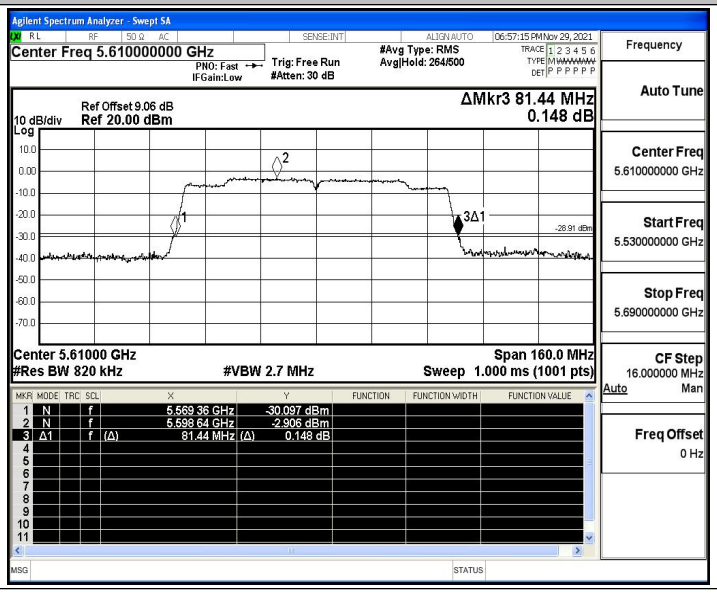


11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610


C.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5260	7.80	≤23.98	PASS
		5280	6.79	≤23.98	PASS
		5320	7.00	≤23.98	PASS
		5500	7.99	≤23.98	PASS
		5580	7.32	≤23.98	PASS
		5700	6.71	≤23.98	PASS
11N20SISO	Ant1	5260	7.24	≤23.98	PASS
		5280	6.77	≤23.98	PASS
		5320	7.00	≤23.98	PASS
		5500	8.04	≤23.98	PASS
		5580	7.22	≤23.98	PASS
		5700	6.64	≤23.98	PASS
11N40SISO	Ant1	5270	7.52	≤23.98	PASS
		5310	7.14	≤23.98	PASS
		5510	8.12	≤23.98	PASS
		5550	7.68	≤23.98	PASS
		5670	6.36	≤23.98	PASS
11AC20SISO	Ant1	5260	7.18	≤23.98	PASS
		5280	7.21	≤23.98	PASS
		5320	7.01	≤23.98	PASS
		5500	7.74	≤23.98	PASS
		5580	6.81	≤23.98	PASS
		5700	6.66	≤23.98	PASS
11AC40SISO	Ant1	5270	7.38	≤23.98	PASS
		5310	6.96	≤23.98	PASS
		5510	7.73	≤23.98	PASS
		5550	7.20	≤23.98	PASS
		5670	6.28	≤23.98	PASS
11AC80SISO	Ant1	5290	7.30	≤23.98	PASS
		5530	8.14	≤23.98	PASS
		5610	7.01	≤23.98	PASS

Note： The Duty Cycle Factor is compensated in the graph.

C.3 Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	-2.65	≤11	PASS
		5280	-3.62	≤11	PASS
		5320	-3.43	≤11	PASS
		5500	-2.31	≤11	PASS
		5580	-2.92	≤11	PASS
		5700	-3.68	≤11	PASS
11N20SISO	Ant1	5260	-3.32	≤11	PASS
		5280	-3.95	≤11	PASS
		5320	-3.58	≤11	PASS
		5500	-2.58	≤11	PASS
		5580	-3.16	≤11	PASS
		5700	-4.00	≤11	PASS
11N40SISO	Ant1	5270	-6.39	≤11	PASS
		5310	-7.00	≤11	PASS
		5510	-5.49	≤11	PASS
		5550	-6.11	≤11	PASS
		5670	-7.65	≤11	PASS
11AC20SISO	Ant1	5260	-3.41	≤11	PASS
		5280	-3.44	≤11	PASS
		5320	-3.84	≤11	PASS
		5500	-2.74	≤11	PASS
		5580	-3.87	≤11	PASS
		5700	-4.13	≤11	PASS
11AC40SISO	Ant1	5270	-6.62	≤11	PASS
		5310	-7.06	≤11	PASS
		5510	-6.12	≤11	PASS
		5550	-6.68	≤11	PASS
		5670	-7.54	≤11	PASS
11AC80SISO	Ant1	5290	-9.92	≤11	PASS
		5530	-8.62	≤11	PASS
		5610	-9.41	≤11	PASS

Note：1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.