
11AC80SISO_Ant1_5210

Center Freq 5.210000000 GHz	Frequency
Start Freq 5.210000000 GHz	Auto Tune
Stop Freq 5.210000000 GHz	Center Freq 5.210000000 GHz
CF Step 8.000000 MHz	Start Freq 5.210000000 GHz
Auto	Stop Freq 5.210000000 GHz
Man	CF Step 8.000000 MHz
Man	Auto
Man	Freq Offset 0 Hz

Appendix D: Maximum output power

Test Result

Note1: The Duty Cycle Factor is compensated in the Conducted Result.

Test Mode	Antenna	Channel	Conducted Result [dBm]	Conducted Limit [dBm]	EIRP Result [dBm]	EIRP Limit [dBm]	Verdict
11A	Ant1	5180	12.56	23.98	11.46	22.31	PASS
		5200	16.70	23.98	15.60	22.31	PASS
		5240	16.32	23.98	15.22	22.31	PASS
		5260	16.53	23.28	15.43	29.28	PASS
		5280	16.18	23.28	15.08	29.28	PASS
		5320	13.93	23.28	12.83	29.28	PASS
		5500	15.72	23.30	14.62	29.30	PASS
		5580	18.34	23.30	17.24	29.30	PASS
		5700	14.92	23.30	13.82	29.30	PASS
		5745	18.72	30	17.62	---	PASS
		5785	18.45	30	17.35	---	PASS
		5825	18.57	30	17.47	---	PASS
11N20SISO	Ant1	5180	12.27	23.98	11.17	22.58	PASS
		5200	16.50	23.98	15.4	22.58	PASS
		5240	15.60	23.98	14.5	22.58	PASS
		5260	16.06	23.56	14.96	29.56	PASS
		5280	16.11	23.56	15.01	29.56	PASS
		5320	14.02	23.56	12.92	29.56	PASS
		5500	14.77	23.58	13.67	29.58	PASS
		5580	17.06	23.58	15.96	29.58	PASS
		5700	14.56	23.58	13.46	29.58	PASS
		5745	17.38	30	16.28	---	PASS
		5785	17.48	30	16.38	---	PASS
		5825	17.58	30	16.48	---	PASS
11N40SISO	Ant1	5190	7.34	23.98	6.24	23.01	PASS
		5230	15.39	23.98	14.29	23.01	PASS
		5270	15.64	23.98	14.54	30	PASS
		5310	8.69	23.98	7.59	30	PASS
		5510	11.14	23.98	10.04	30	PASS
		5550	16.40	23.98	15.3	30	PASS
		5670	16.31	23.98	15.21	30	PASS
		5755	17.44	30	16.34	---	PASS

		5795	17.49	30	16.39	---	PASS
11AC20SISO	Ant1	5180	12.61	23.98	11.51	22.59	PASS
		5200	16.00	23.98	14.9	22.59	PASS
		5240	15.68	23.98	14.58	22.59	PASS
		5260	16.03	23.56	14.93	29.56	PASS
		5280	16.09	23.56	14.99	29.56	PASS
		5320	13.99	23.56	12.89	29.56	PASS
		5500	14.79	23.58	13.69	29.58	PASS
		5580	16.95	23.58	15.85	29.58	PASS
		5700	14.50	23.58	13.4	29.58	PASS
		5745	17.66	30	16.56	---	PASS
		5785	17.77	30	16.67	---	PASS
		5825	17.79	30	16.69	---	PASS
11AC40SISO	Ant1	5190	7.63	23.98	6.53	23.01	PASS
		5230	15.60	23.98	14.5	23.01	PASS
		5270	15.81	23.98	14.71	30	PASS
		5310	8.69	23.98	7.59	30	PASS
		5510	11.17	23.98	10.07	30	PASS
		5550	16.39	23.98	15.29	30	PASS
		5670	16.33	23.98	15.23	30	PASS
		5755	17.46	30	16.36	---	PASS
		5795	17.55	30	16.45	---	PASS
11AC80SISO	Ant1	5210	6.69	23.98	5.59	23.01	PASS
		5290	7.92	23.98	6.82	30	PASS
		5530	8.28	23.98	7.18	30	PASS
		5610	16.05	23.98	14.95	30	PASS
		5775	16.43	30	15.33	---	PASS

Appendix E: Peak Power Spectral Density Level

Test Result

Note1: The Duty Cycle Factor is compensated in the Conducted Result.

Note2: The RBW Factor (5725-5850) is compensated in the graph.

1.1 5150-5350 MHz&5470-5725 MHz

Test Mode	Antenna	Channel	Conducted Result[dBm/MHz]	Conducted Limit [dBm/MHz]	EIRP Resul[dBm/MHz]	EIRP Limit [dBm/MHz]	Verdict
11A	Ant1	5180	1.91	11	0.81	10.0	PASS
		5200	6.18	11	5.08	10.0	PASS
		5240	5.71	11	4.61	10.0	PASS
		5260	5.98	11	4.88	---	PASS
		5280	5.47	11	4.37	---	PASS
		5320	3.34	11	2.24	---	PASS
		5500	5.13	11	4.03	---	PASS
		5580	7.66	11	6.56	---	PASS
		5700	4.37	11	3.27	---	PASS
11N20SISO	Ant1	5180	1.02	11	-0.08	10.0	PASS
		5200	5.57	11	4.47	10.0	PASS
		5240	4.4	11	3.30	10.0	PASS
		5260	5.19	11	4.09	---	PASS
		5280	5.11	11	4.01	---	PASS
		5320	3.07	11	1.97	---	PASS
		5500	3.85	11	2.75	---	PASS
		5580	6.06	11	4.96	---	PASS
		5700	3.6	11	2.50	---	PASS
11N40SISO	Ant1	5190	-6.7	11	-7.80	10.0	PASS
		5230	1.76	11	0.66	10.0	PASS
		5270	1.95	11	0.85	---	PASS
		5310	-5.19	11	-6.29	---	PASS
		5510	-2.85	11	-3.95	---	PASS
		5550	2.56	11	1.46	---	PASS
		5670	2.65	11	1.55	---	PASS
11AC20SISO	Ant1	5180	1.57	11	0.47	10.0	PASS
		5200	5.11	11	4.01	10.0	PASS
		5240	4.65	11	3.55	10.0	PASS
		5260	5.14	11	4.04	---	PASS
		5280	5.1	11	4.00	---	PASS
		5320	3.03	11	1.93	---	PASS

		5500	3.84	11	2.74	---	PASS
		5580	5.94	11	4.84	---	PASS
		5700	3.53	11	2.43	---	PASS
11AC40SISO	Ant1	5190	-6.36	11	-7.46	10.0	PASS
		5230	1.99	11	0.89	10.0	PASS
		5270	2.12	11	1.02	---	PASS
		5310	-5.1	11	-6.20	---	PASS
		5510	-2.81	11	-3.91	---	PASS
		5550	2.61	11	1.51	---	PASS
		5670	2.65	11	1.55	---	PASS
11AC80SISO	Ant1	5210	-9.35	11	-10.45	10.0	PASS
		5290	-8.12	11	-9.22	---	PASS
		5530	-7.71	11	-8.81	---	PASS
		5610	0.18	11	-0.92	---	PASS

1.2 5725-5850 MHz

Test Mode	Antenna	Channel	Conducted Result[dBm/500 KHz]	Conducted Limit[dBm/500 KHz]	EIRP Result[dBm/500 KHz]	EIRP Limit[dBm/500 KHz]	Verdict
11A	Ant1	5745	3.1	30	2	---	PASS
11A	Ant1	5785	2.86	30	1.76	---	PASS
11A	Ant1	5825	3.08	30	1.98	---	PASS
11N20SISO	Ant1	5745	1.26	30	0.16	---	PASS
11N20SISO	Ant1	5785	1.29	30	0.19	---	PASS
11N20SISO	Ant1	5825	1.42	30	0.32	---	PASS
11N40SISO	Ant1	5755	-1.48	30	-2.58	---	PASS
11N40SISO	Ant1	5795	-1.22	30	-2.32	---	PASS
11AC20SISO	Ant1	5745	1.49	30	0.39	---	PASS
11AC20SISO	Ant1	5785	1.57	30	0.47	---	PASS
11AC20SISO	Ant1	5825	1.76	30	0.66	---	PASS
11AC40SISO	Ant1	5755	-1.44	30	-2.54	---	PASS
11AC40SISO	Ant1	5795	-1.19	30	-2.29	---	PASS
11AC80SISO	Ant1	5775	-4.47	30	-5.57	---	PASS

Test Graphs

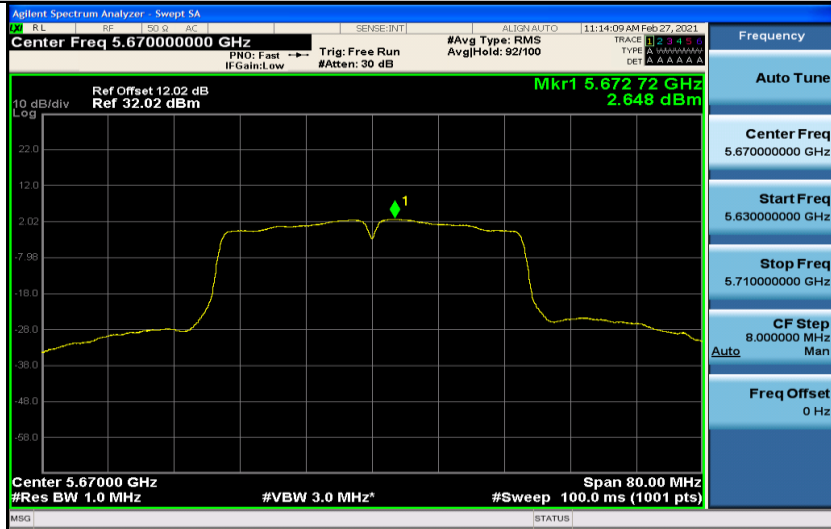
Note1: The Graph presented below is the worst case.

1.1 5150-5350 MHz&5470-5725 MHz

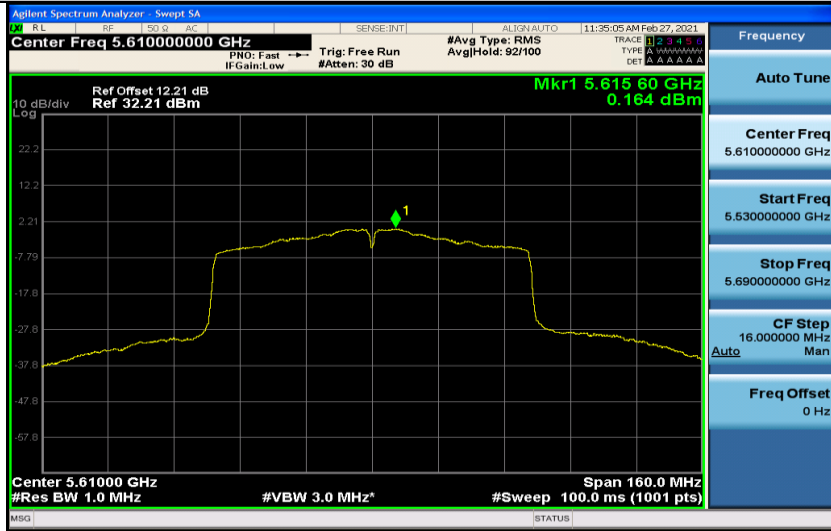




11AC40SISO_Ant1_5670 (worst case)



11AC80SISO_Ant1_5610 (worst case)



1.2 5725-5850 MHz





11AC40SISO_Ant1_5795 (worst case)



11AC80SISO_Ant1_5775 (worst case)



Appendix F: Frequency Stability

Frequency Error vs. Voltage:

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	0	0	20	PASS
			LV	NT	-15000	-2.895753	20	PASS
			HV	NT	0	0	20	PASS
		5825	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
11AC80SISO	Ant1	5210	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	300000	57.581574	20	PASS
		5775	NV	NT	-80000	-13.852814	20	PASS
			LV	NT	-160000	-27.705628	20	PASS
			HV	NT	0	0	20	PASS

Frequency Error vs. Temperature:

Temperature								
TestMode	Antenna	Channel	Voltage	Temperature	Deviation	Deviation	Limit	Verdict
11A	Ant1	5180	NV	-30	0	0	20	PASS
			NV	-20	-15000	-2.895753	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	-15000	-2.895753	20	PASS
			NV	50	0	0	20	PASS
		5825	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS

11AC80SISO	Ant1	5210	NV	-30	0	0	20	PASS
			NV	-20	360000	69.097889	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
	5775	NV	-30	-240000	-41.558442	20	PASS	
		NV	-20	-320000	-55.411255	20	PASS	
		NV	-10	-240000	-41.558442	20	PASS	
		NV	0	-80000	-13.852814	20	PASS	
		NV	10	0	0	20	PASS	
		NV	20	0	0	20	PASS	
		NV	30	-80000	-13.852814	20	PASS	
		NV	40	-1520000	-263.203463	20	PASS	
NV	50	80000	13.852814	20	PASS			

END