

Test Data

1. Emission Bandwidth.....	2
2. Occupied channel bandwidth.....	8
3. Duty Cycle	14
4. Maximum conducted output power	20
5. Maximum power spectral density.....	21

1. Emission Bandwidth

Test Result

TestMode	Antenna	Fre.[MHz]	Rate	EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	6Mbps	23.200	5248.920	5272.120	---	---
		5280	6Mbps	23.040	5268.960	5292.000	---	---
		5320	6Mbps	26.680	5306.400	5333.080	---	---
11N20 SISO	Ant1	5260	MCS0	23.360	5249.200	5272.560	---	---
		5280	MCS0	27.840	5269.200	5297.040	---	---
		5320	MCS0	22.120	5309.320	5331.440	---	---
11N40 SISO	Ant1	5270	MCS0	60.720	5244.960	5305.680	---	---
		5310	MCS0	53.760	5286.240	5340.000	---	---
11AC20 SISO	Ant1	5260	MCS0	23.480	5249.120	5272.600	---	---
		5280	MCS0	21.920	5269.320	5291.240	---	---
		5320	MCS0	24.680	5307.840	5332.520	---	---
11AC40 SISO	Ant1	5270	MCS0	60.640	5244.640	5305.280	---	---
		5310	MCS0	54.160	5288.080	5342.240	---	---
11AC80 SISO	Ant1	5290	MCS0	98.240	5249.200	5347.440	---	---

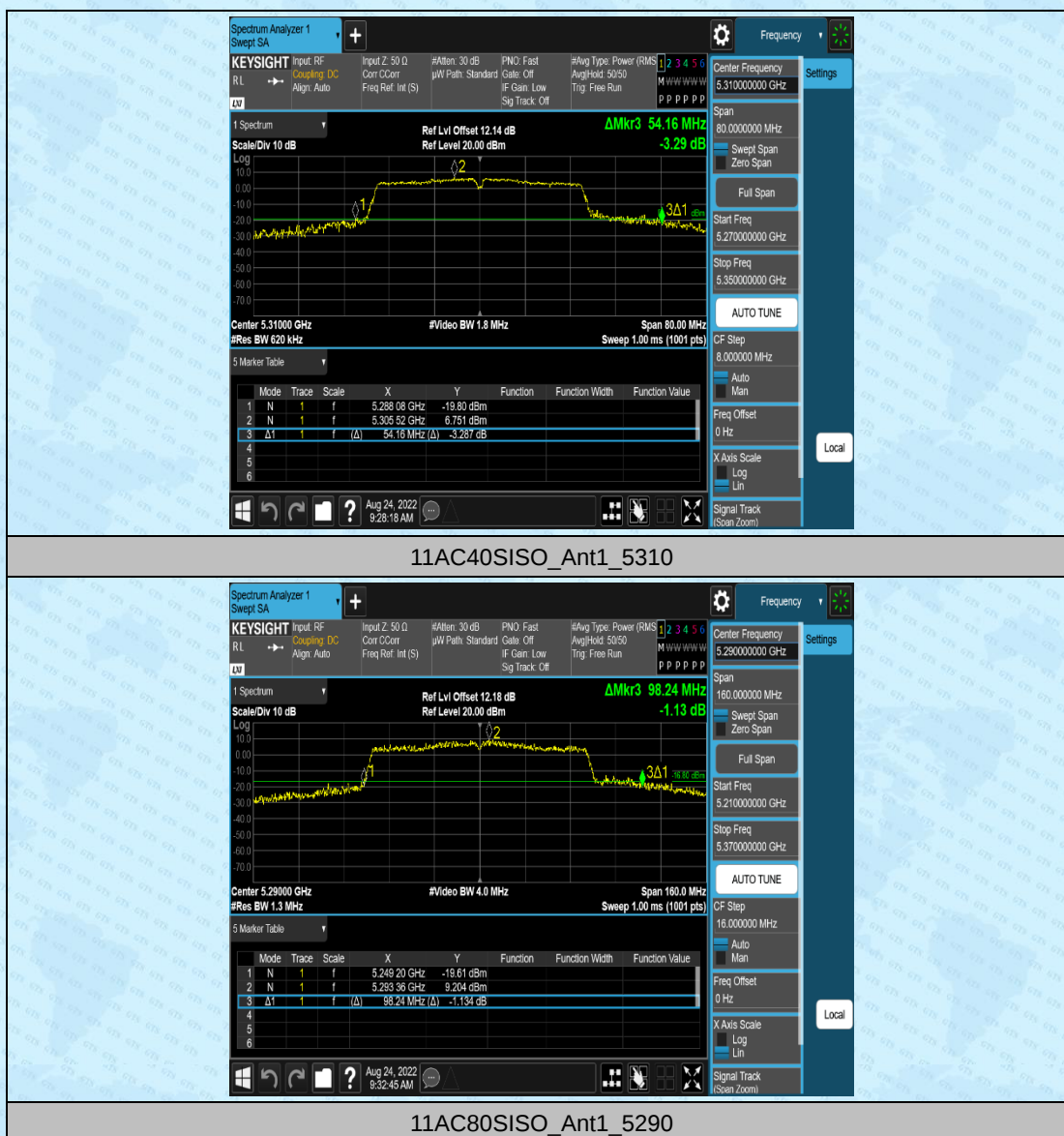
Test Graphs











2. Occupied channel bandwidth

Test Result

TestMode	Antenna	Fre.[MHz]	Rate	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	6Mbps	17.416	5251.320	5268.736	---	---
		5280	6Mbps	17.491	5271.238	5288.729	---	---
		5320	6Mbps	17.568	5311.238	5328.806	---	---
11N20 SISO	Ant1	5260	MCS0	18.281	5250.827	5269.108	---	---
		5280	MCS0	18.307	5270.851	5289.158	---	---
		5320	MCS0	18.385	5310.770	5329.155	---	---
11N40 SISO	Ant1	5270	MCS0	36.557	5251.825	5288.382	---	---
		5310	MCS0	36.744	5291.654	5328.398	---	---
11AC20 SISO	Ant1	5260	MCS0	18.242	5250.853	5269.095	---	---
		5280	MCS0	18.305	5270.893	5289.198	---	---
		5320	MCS0	18.353	5310.813	5329.166	---	---
11AC40 SISO	Ant1	5270	MCS0	36.643	5251.778	5288.421	---	---
		5310	MCS0	36.564	5291.729	5328.293	---	---
11AC80 SISO	Ant1	5290	MCS0	75.979	5252.034	5328.013	---	---

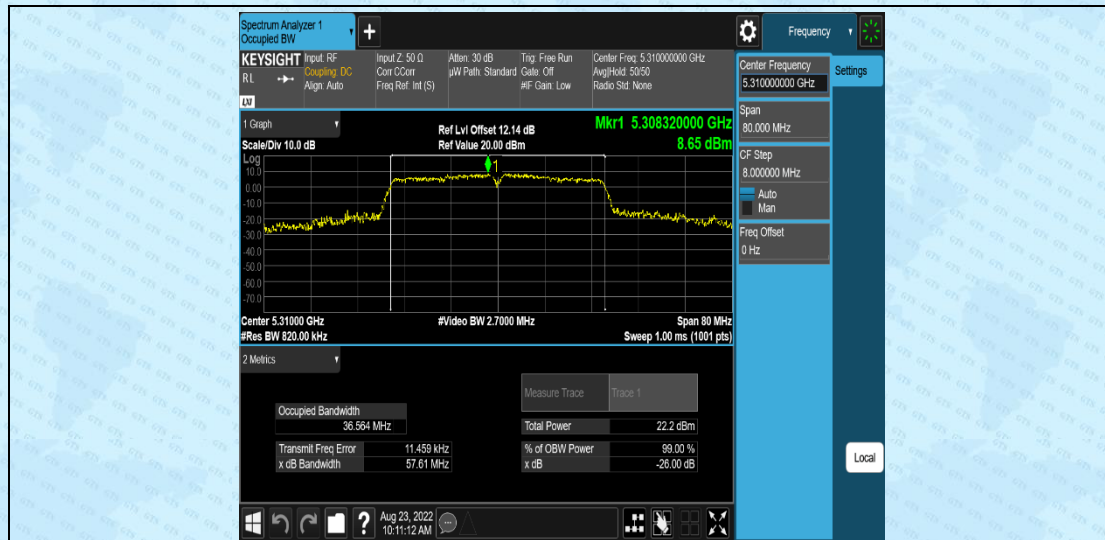
Test Graphs



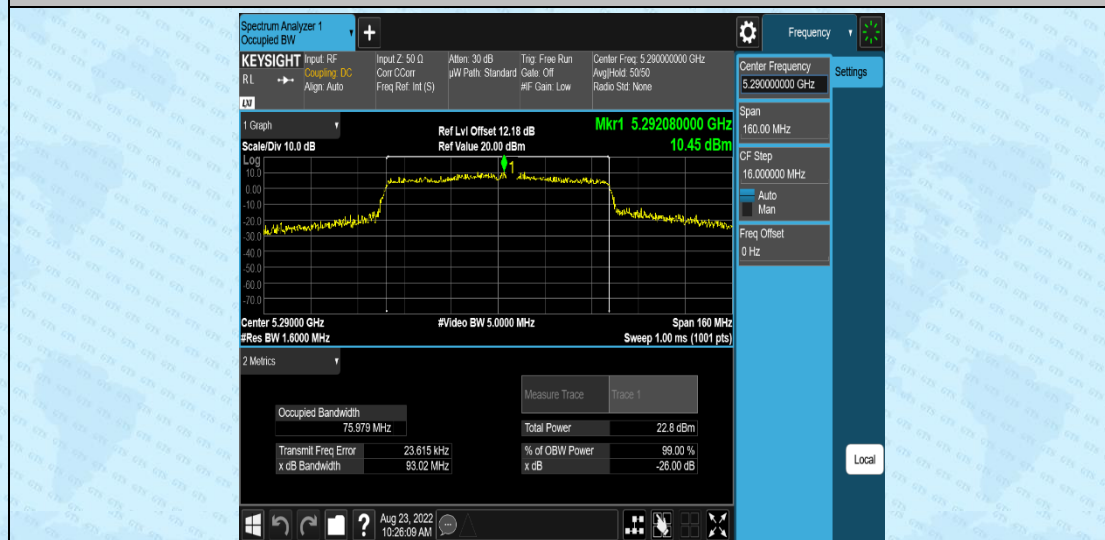








11AC40SISO_Ant1_5310



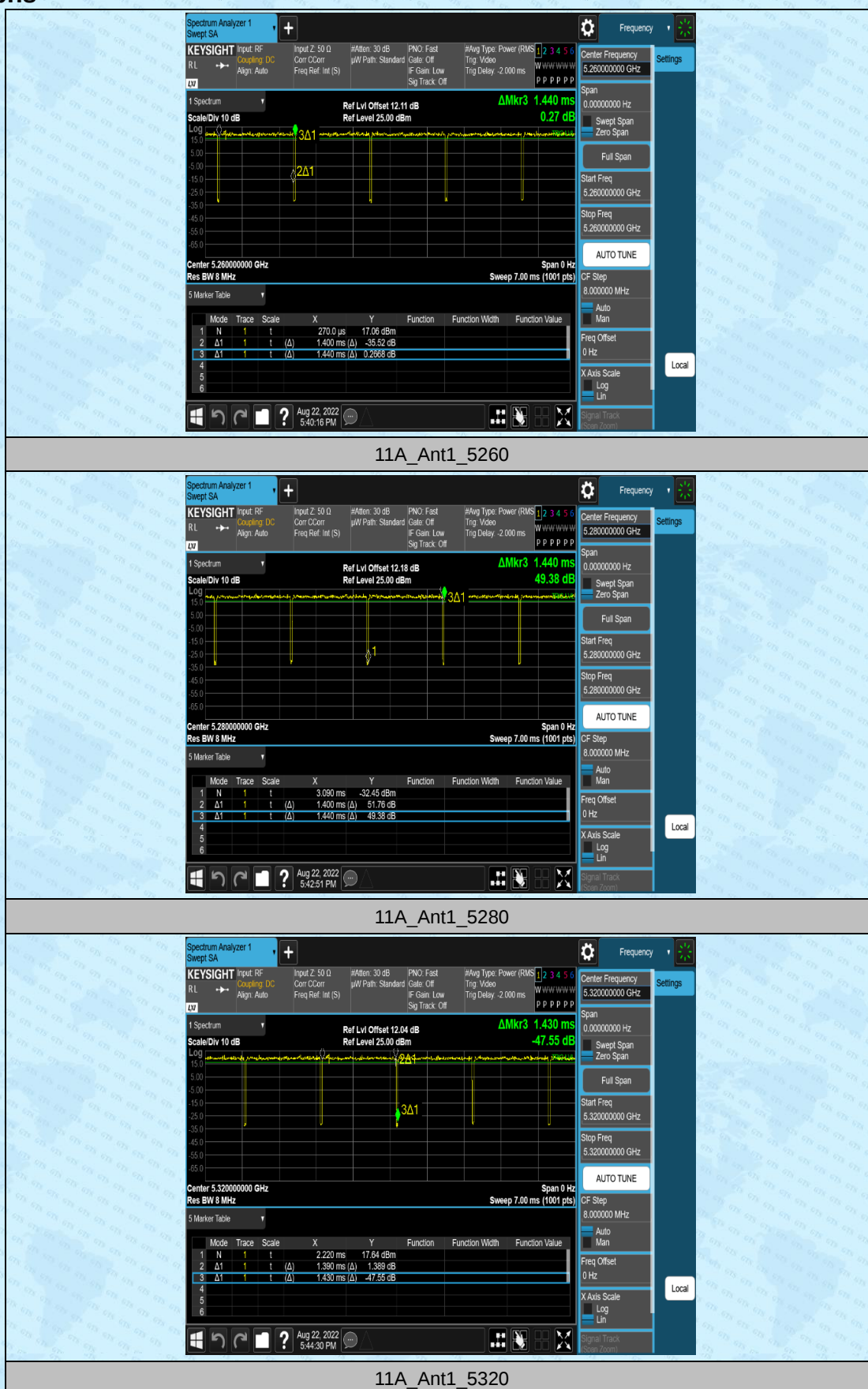
11AC80SISO_Ant1_5290

3. Duty Cycle

Test Result

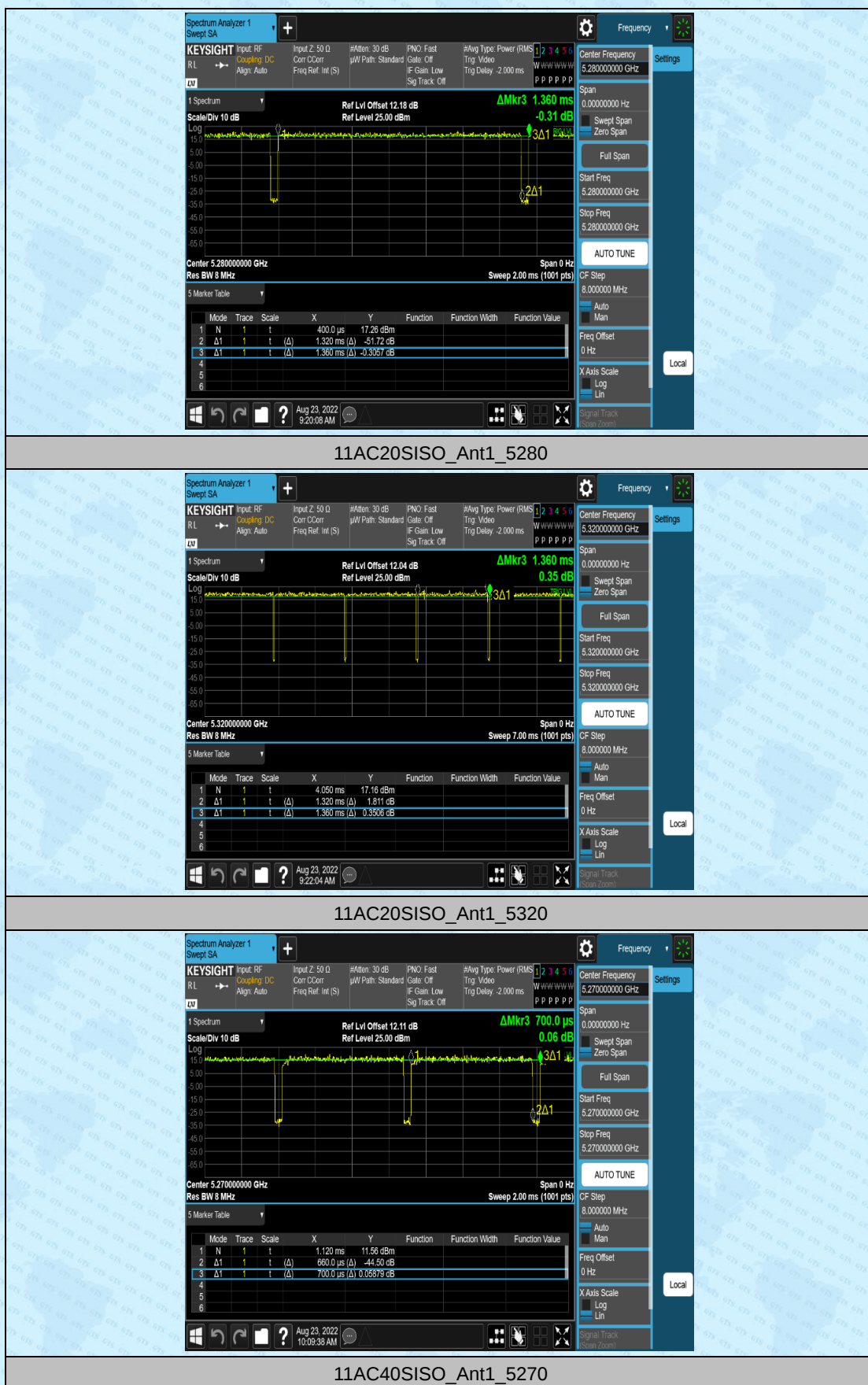
TestMode	Antenna	Fre.[MHz]	Rate	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle[%]	Duty Cycle factor	Verdict
11A	Ant1	5260	6Mbps	1.40	1.44	97.22	0.12	---
		5280	6Mbps	1.40	1.44	97.22	0.12	---
		5320	6Mbps	1.39	1.43	97.20	0.12	---
11N20SISO	Ant1	5260	MCS0	1.31	1.35	97.04	0.13	---
		5280	MCS0	1.31	1.35	97.04	0.13	---
		5320	MCS0	1.31	1.35	97.04	0.13	---
11N40SISO	Ant1	5270	MCS0	0.65	0.69	94.20	0.26	---
		5310	MCS0	0.65	0.69	94.20	0.26	---
11AC20SISO	Ant1	5260	MCS0	1.32	1.36	97.06	0.13	---
		5280	MCS0	1.32	1.36	97.06	0.13	---
		5320	MCS0	1.32	1.36	97.06	0.13	---
11AC40SISO	Ant1	5270	MCS0	0.66	0.70	94.29	0.26	---
		5310	MCS0	0.66	0.70	94.29	0.26	---
11AC80SISO	Ant1	5290	MCS0	0.32	0.36	88.89	0.51	---

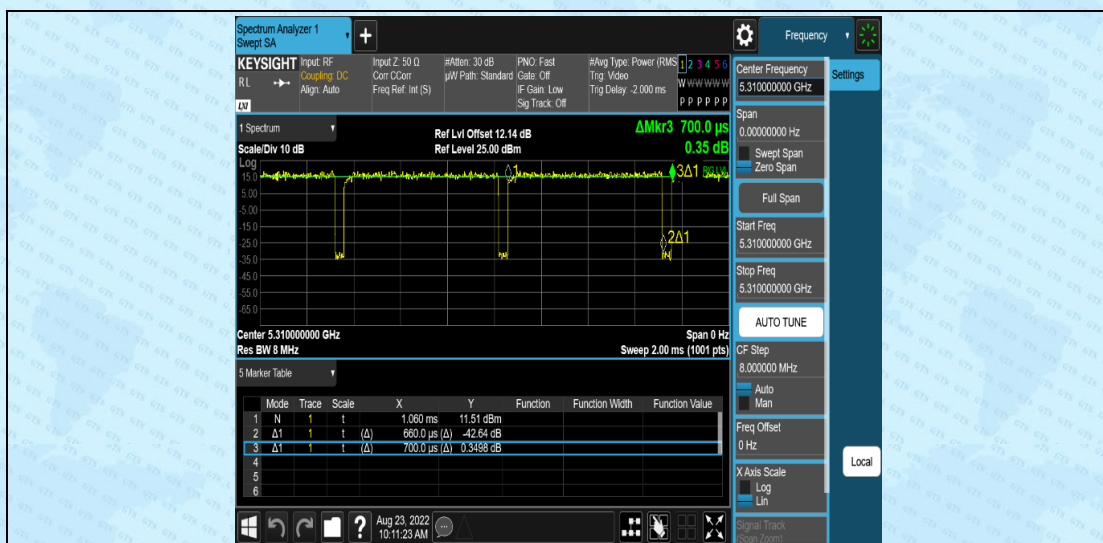
Test Graphs



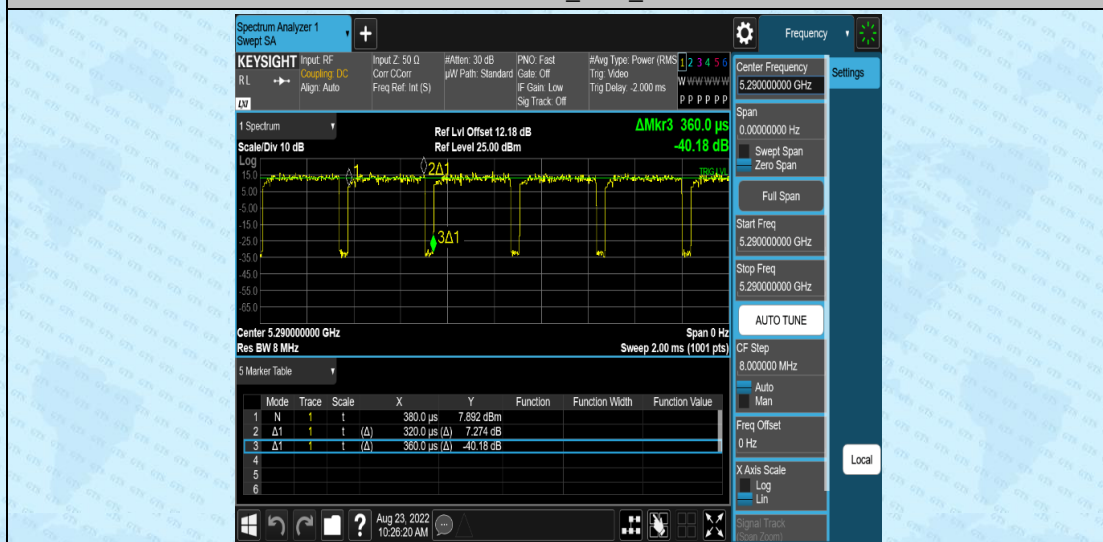








11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290

4. Maximum conducted output power

Test Result

TestMode	Antenna	Fre.[MHz]	Rate	DC[%]	Power[dBm]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5260	6Mbps	97.22	15.67	15.79	≤23.16	PASS
		5280	6Mbps	97.22	15.62	15.74	≤23.16	PASS
		5320	6Mbps	97.20	15.88	16.00	≤23.16	PASS
11N20 SISO	Ant1	5260	MCS0	97.04	14.29	14.42	≤23.16	PASS
		5280	MCS0	97.04	14.34	14.47	≤23.16	PASS
		5320	MCS0	97.04	15.33	15.46	≤23.16	PASS
11N40 SISO	Ant1	5270	MCS0	94.20	15.33	15.59	≤23.16	PASS
		5310	MCS0	94.20	15.67	15.93	≤23.16	PASS
11AC20 SISO	Ant1	5260	MCS0	97.06	15.38	15.51	≤23.16	PASS
		5280	MCS0	97.06	15.47	15.60	≤23.16	PASS
		5320	MCS0	97.06	15.53	15.66	≤23.16	PASS
11AC40 SISO	Ant1	5270	MCS0	94.29	15.43	15.69	≤23.16	PASS
		5310	MCS0	94.29	15.50	15.76	≤23.16	PASS
11AC80 SISO	Ant1	5290	MCS0	88.89	15.42	15.93	≤23.16	PASS

Note:

According to the standard of test, maximum conducted output power shall be calculate as follow:

Power+10log(1/x), Power is measured value in dBm, and x is DC(Duty cycle).

5. Maximum power spectral density

Test Result

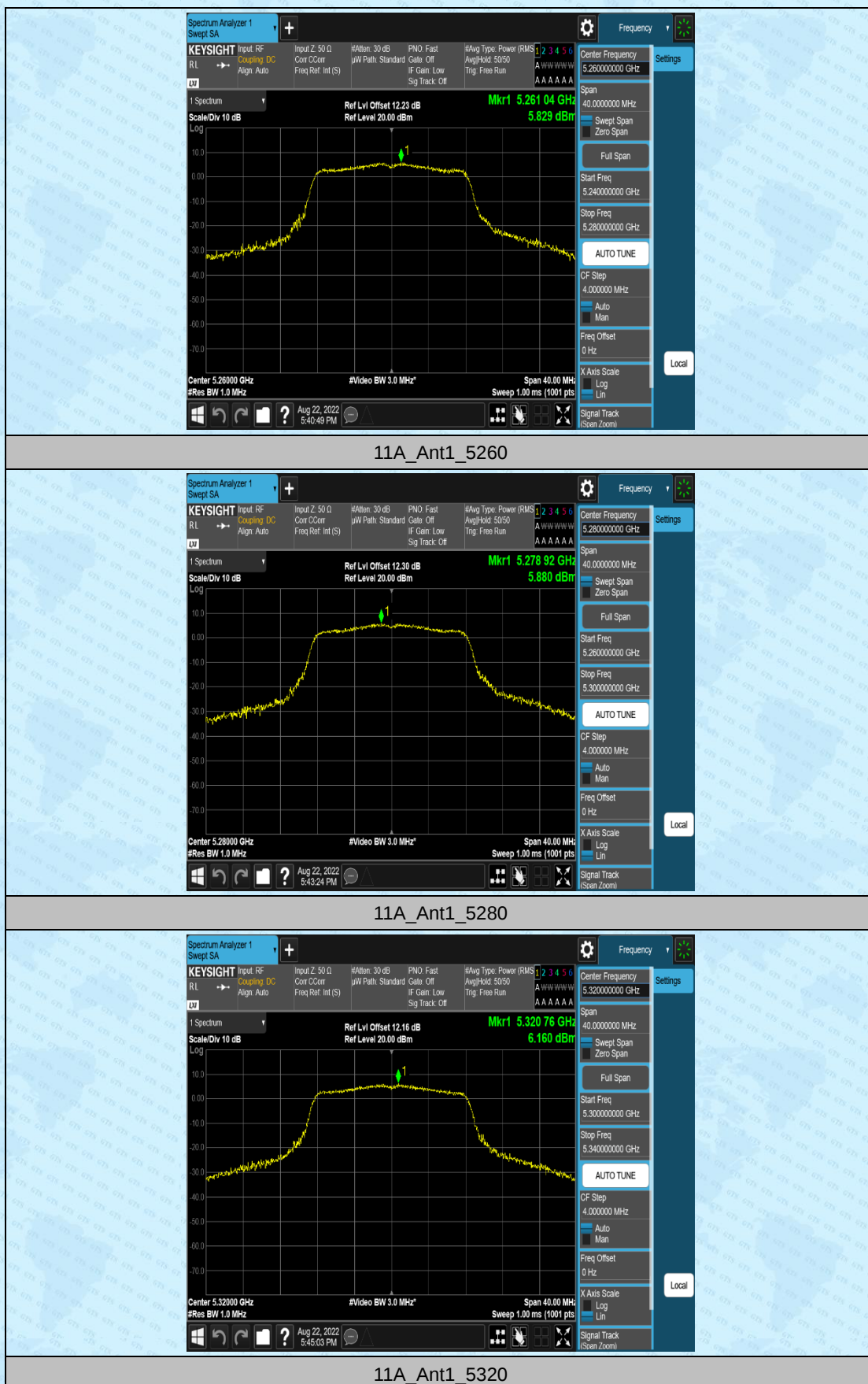
TestMode	Antenna	Fre. [MHz]	Rate	DC[%]	PSD(dBm/MHz)	Result(dBm/MHz)	Limit	Verdict
11A	Ant1	5260	6Mbps	97.22	5.83	5.95	≤10.18dBm/MHz	PASS
		5280	6Mbps	97.22	5.88	6.00	≤10.18dBm/MHz	PASS
		5320	6Mbps	97.20	6.16	6.28	≤10.18dBm/MHz	PASS
11N20S ISO	Ant1	5260	MCS0	97.04	4.28	4.41	≤10.18dBm/MHz	PASS
		5280	MCS0	97.04	4.30	4.43	≤10.18dBm/MHz	PASS
		5320	MCS0	97.04	4.84	4.97	≤10.18dBm/MHz	PASS
11N40S ISO	Ant1	5270	MCS0	94.20	2.15	2.41	≤10.18dBm/MHz	PASS
		5310	MCS0	94.20	2.72	2.98	≤10.18dBm/MHz	PASS
11AC20 SISO	Ant1	5260	MCS0	97.06	5.30	5.43	≤10.18dBm/MHz	PASS
		5280	MCS0	97.06	5.40	5.53	≤10.18dBm/MHz	PASS
		5320	MCS0	97.06	5.22	5.35	≤10.18dBm/MHz	PASS
11AC40 SISO	Ant1	5270	MCS0	94.29	2.26	2.52	≤10.18dBm/MHz	PASS
		5310	MCS0	94.29	2.57	2.83	≤10.18dBm/MHz	PASS
11AC80 SISO	Ant1	5290	MCS0	88.89	-0.18	0.33	≤10.18dBm/MHz	PASS

Note:

According to the standard of test, maximum power spectral density shall be calculate as follow:

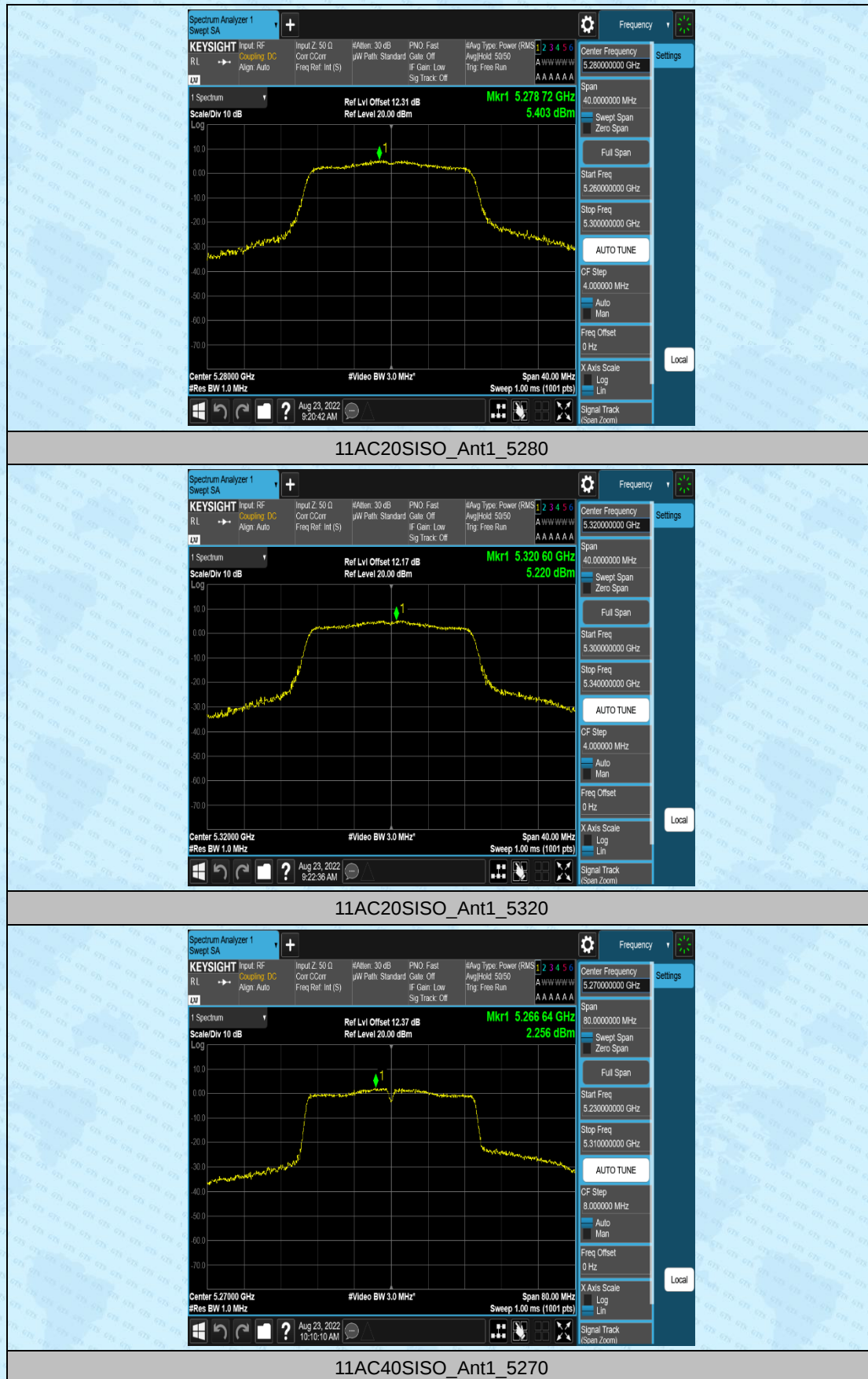
Max PSD=PSD+10log(1/x), PSD is measured value in dBm/MHz, and x is DC(Duty cycle).

Test Graphs











11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290

-----End-----