

RF Test Data for RLAN(5.2G) (Conducted Measurement)**Product Name: 7-in IPS Touch Screen Wireless CarPlay****Trade Mark: N/A****Test Model: CP701S****FCC ID: 2A5PH-CP701S****Environmental Conditions**

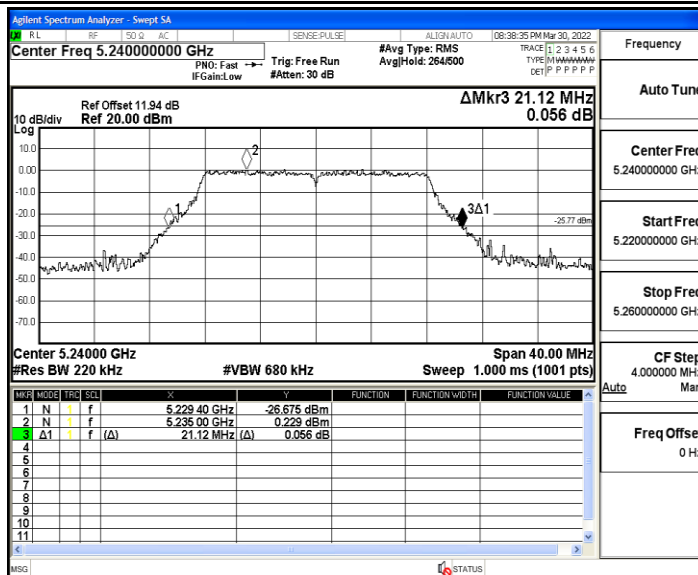
Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A1: Emission Bandwidth**Test Result**

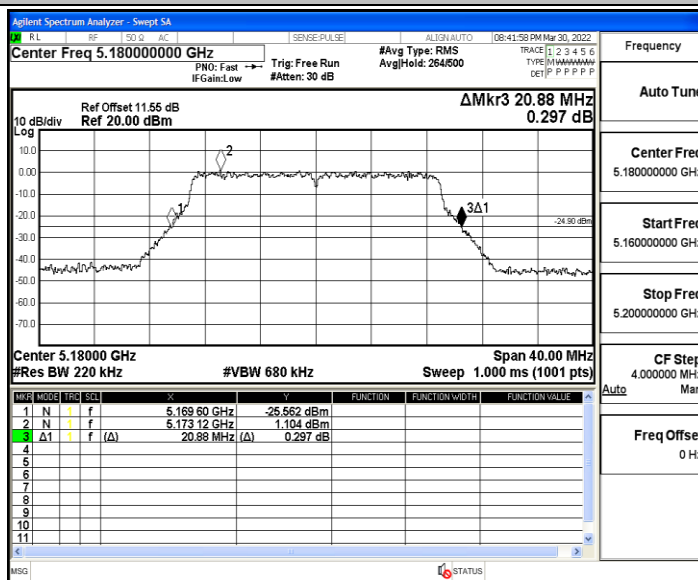
TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.920	5169.520	5190.440	---	PASS
		5200	21.160	5189.440	5210.600	---	PASS
		5240	21.120	5229.400	5250.520	---	PASS
11N20SISO	Ant1	5180	20.880	5169.600	5190.480	---	PASS
		5200	21.400	5189.160	5210.560	---	PASS
		5240	21.280	5229.320	5250.600	---	PASS
11N40SISO	Ant1	5190	41.040	5169.280	5210.320	---	PASS
		5230	40.800	5209.760	5250.560	---	PASS

Test Graphs

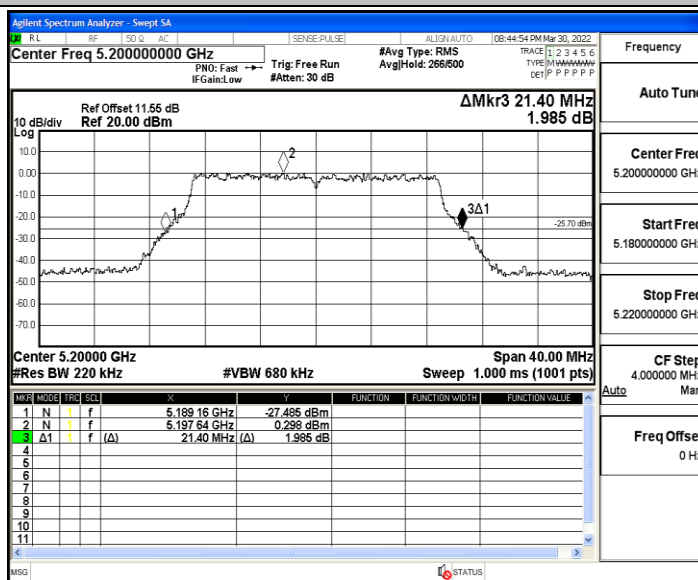




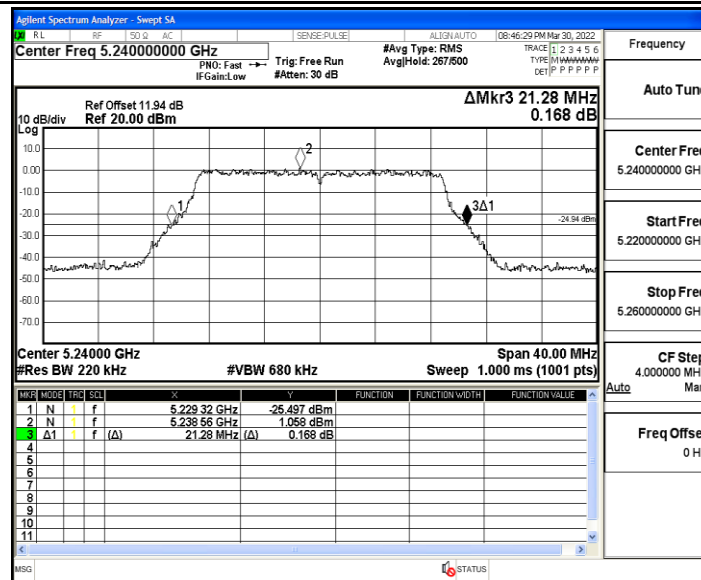
11N20SISO_Ant1_5180



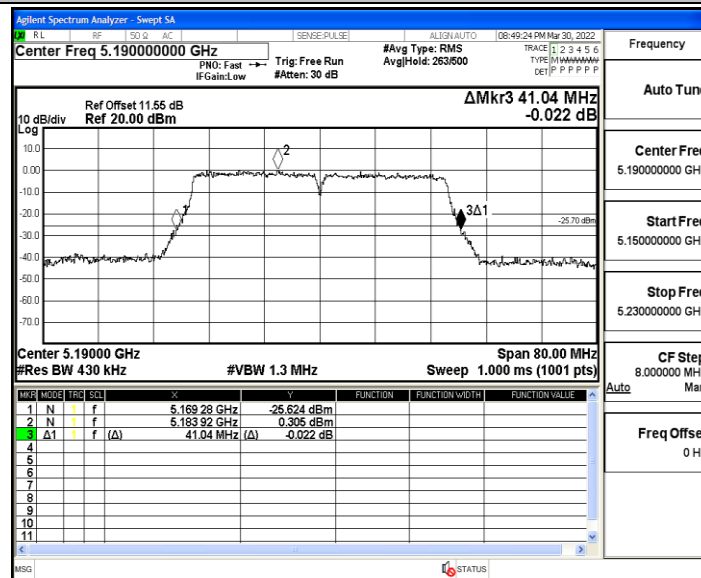
11N20SISO_Ant1_5200



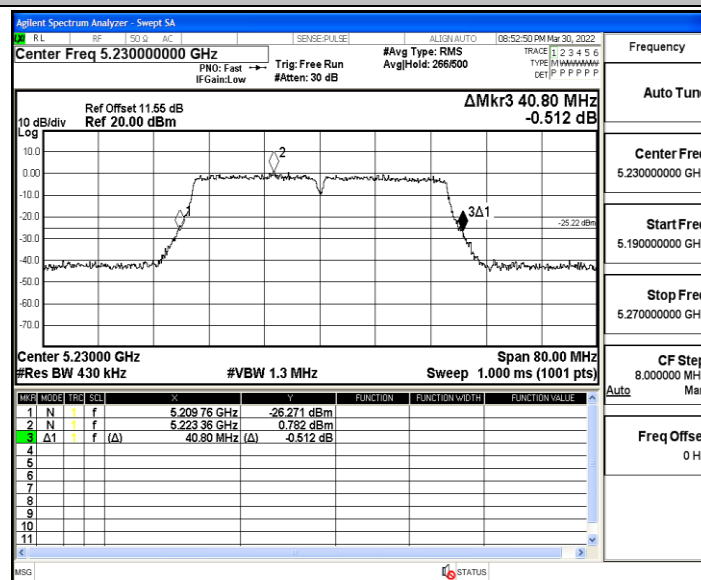
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230

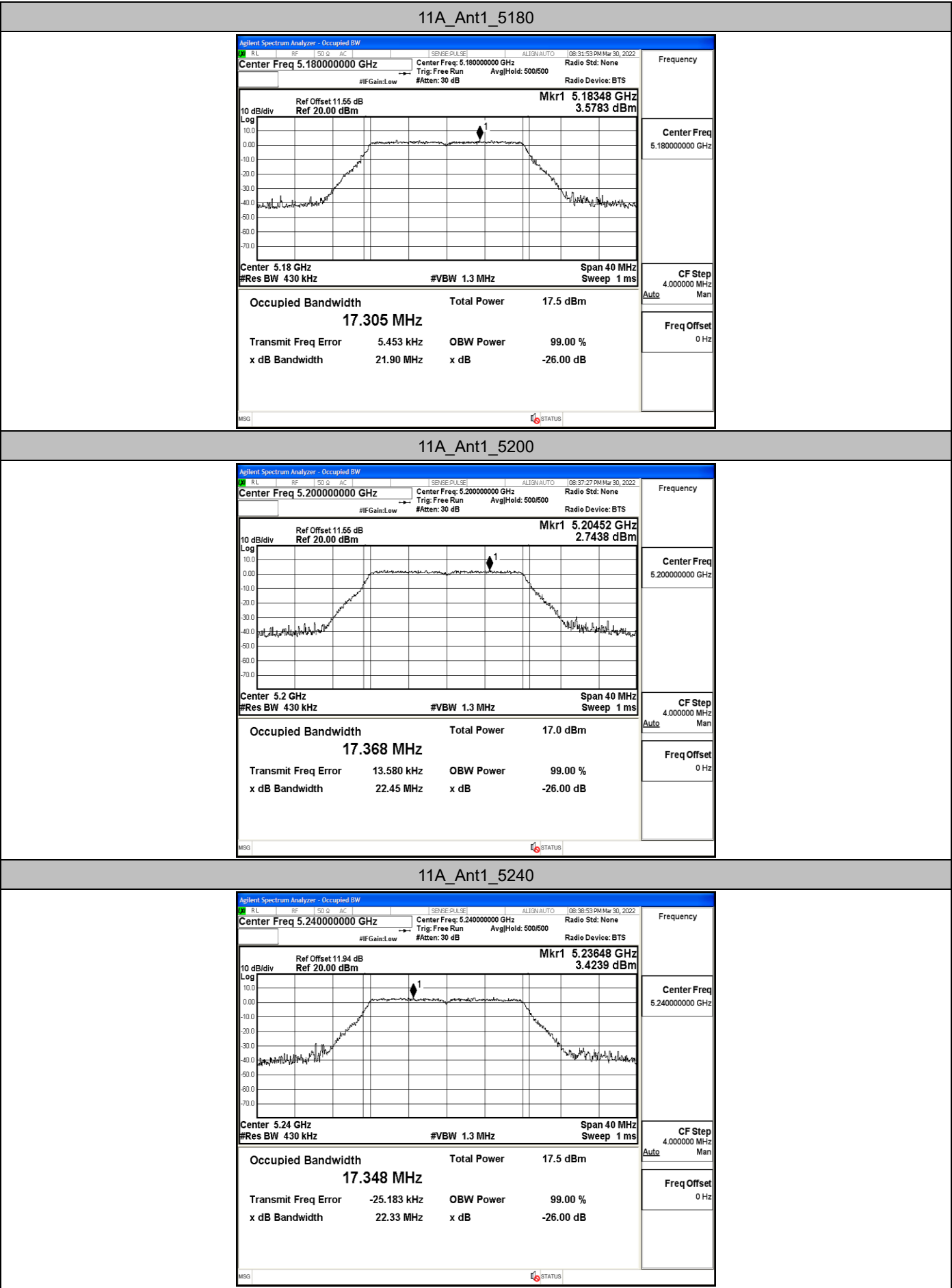


Appendix A2: Occupied channel bandwidth

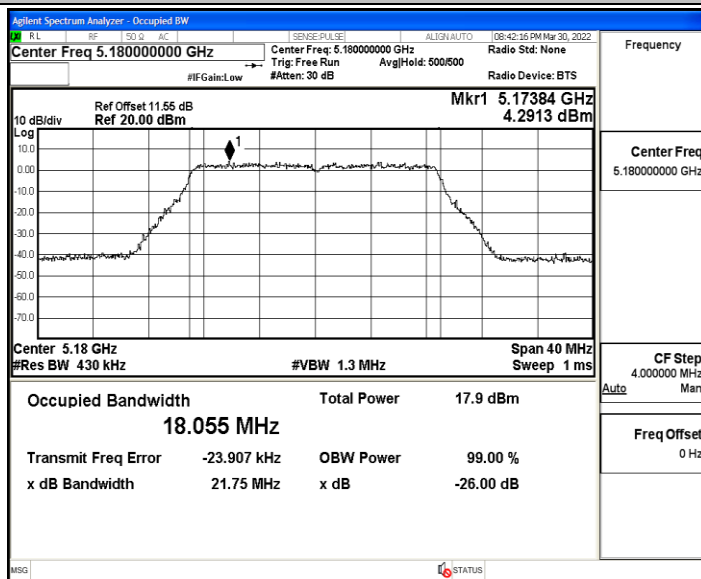
Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.305	5171.353	5188.658	---	PASS
		5200	17.368	5191.330	5208.698	---	PASS
		5240	17.348	5231.301	5248.649	---	PASS
11N20SISO	Ant1	5180	18.055	5170.949	5189.004	---	PASS
		5200	18.155	5190.903	5209.058	---	PASS
		5240	18.105	5230.900	5249.005	---	PASS
11N40SISO	Ant1	5190	36.574	5171.680	5208.254	---	PASS
		5230	36.544	5211.730	5248.274	---	PASS

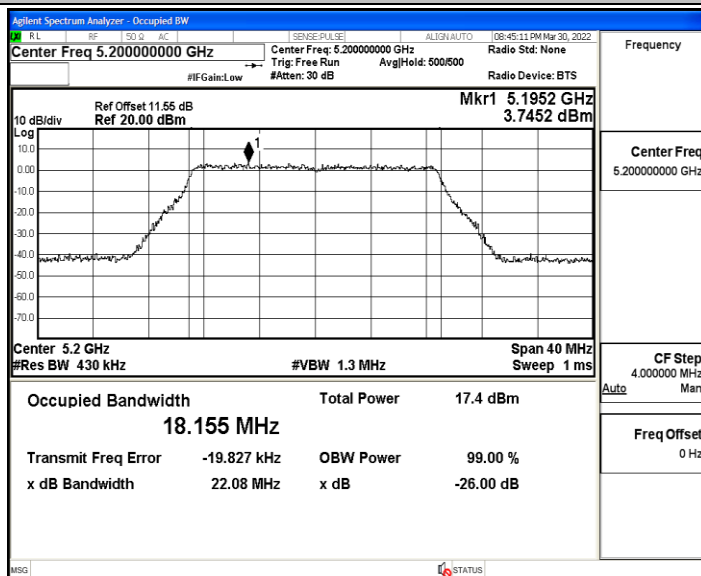
Test Graphs



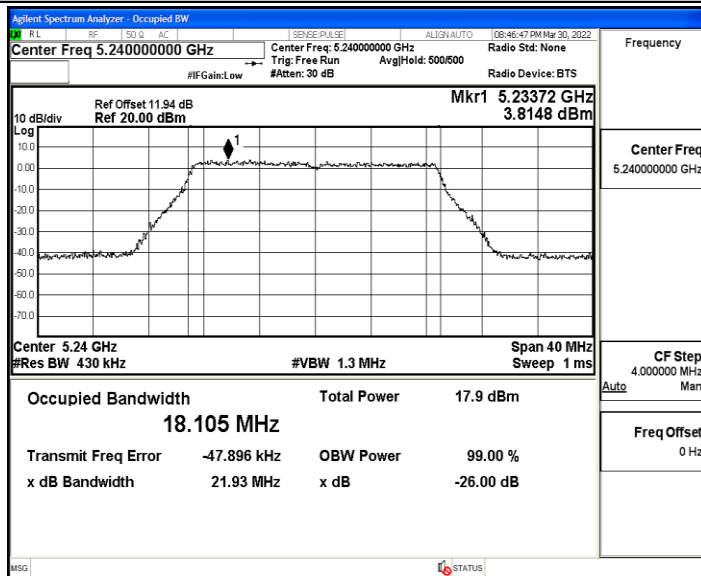
11N20SISO_Ant1_5180



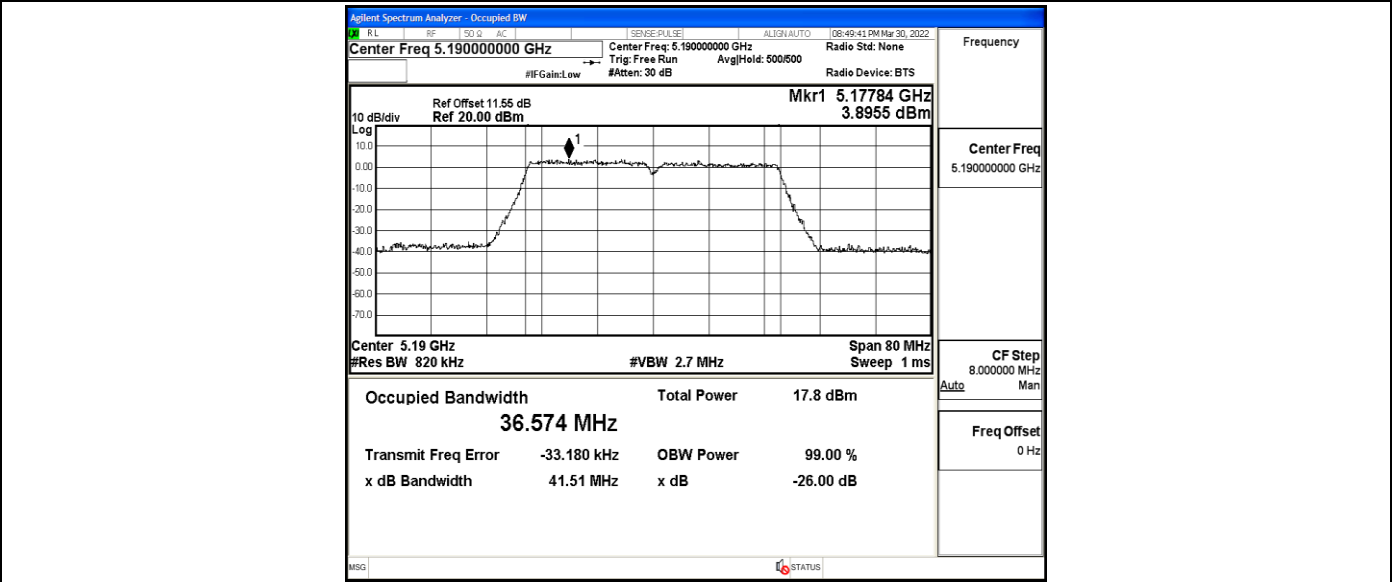
11N20SISO_Ant1_5200



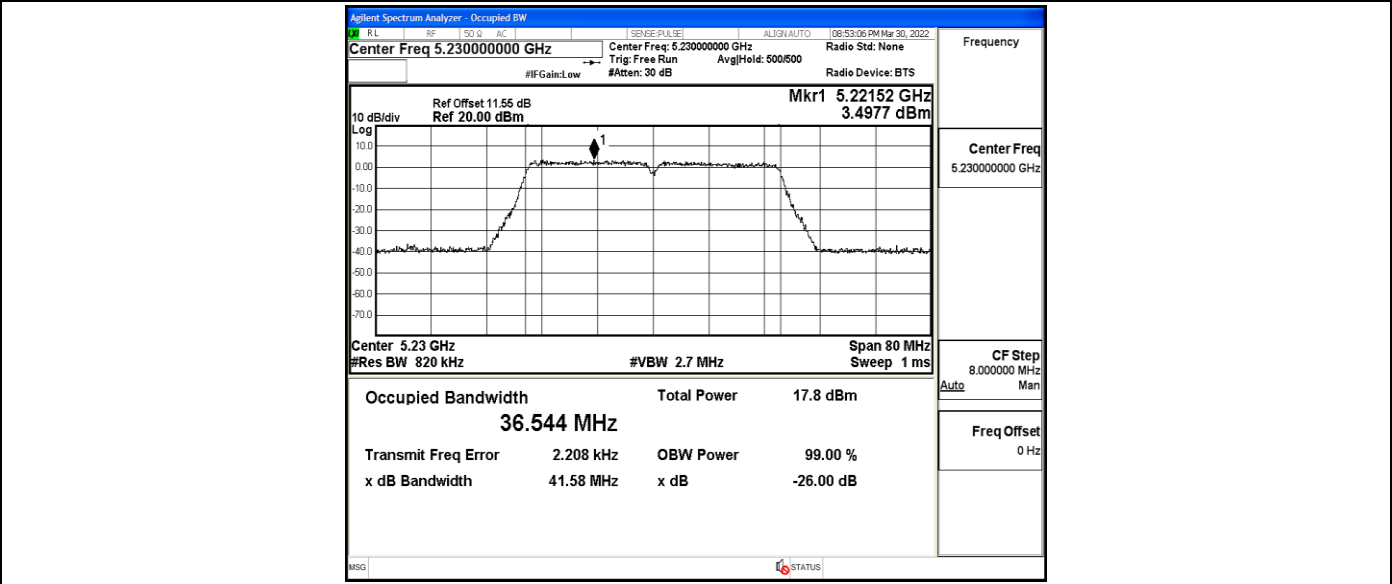
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



Appendix B: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	10.82	≤23.98	PASS
		5200	10.27	≤23.98	PASS
		5240	10.82	≤23.98	PASS
11N20SISO	Ant1	5180	11.05	≤23.98	PASS
		5200	10.48	≤23.98	PASS
		5240	10.99	≤23.98	PASS
11N40SISO	Ant1	5190	10.56	≤23.98	PASS
		5230	11.09	≤23.98	PASS

Note: The Duty Cycle Factor is compensated in the test result.

Appendix C: Maximum power spectral density

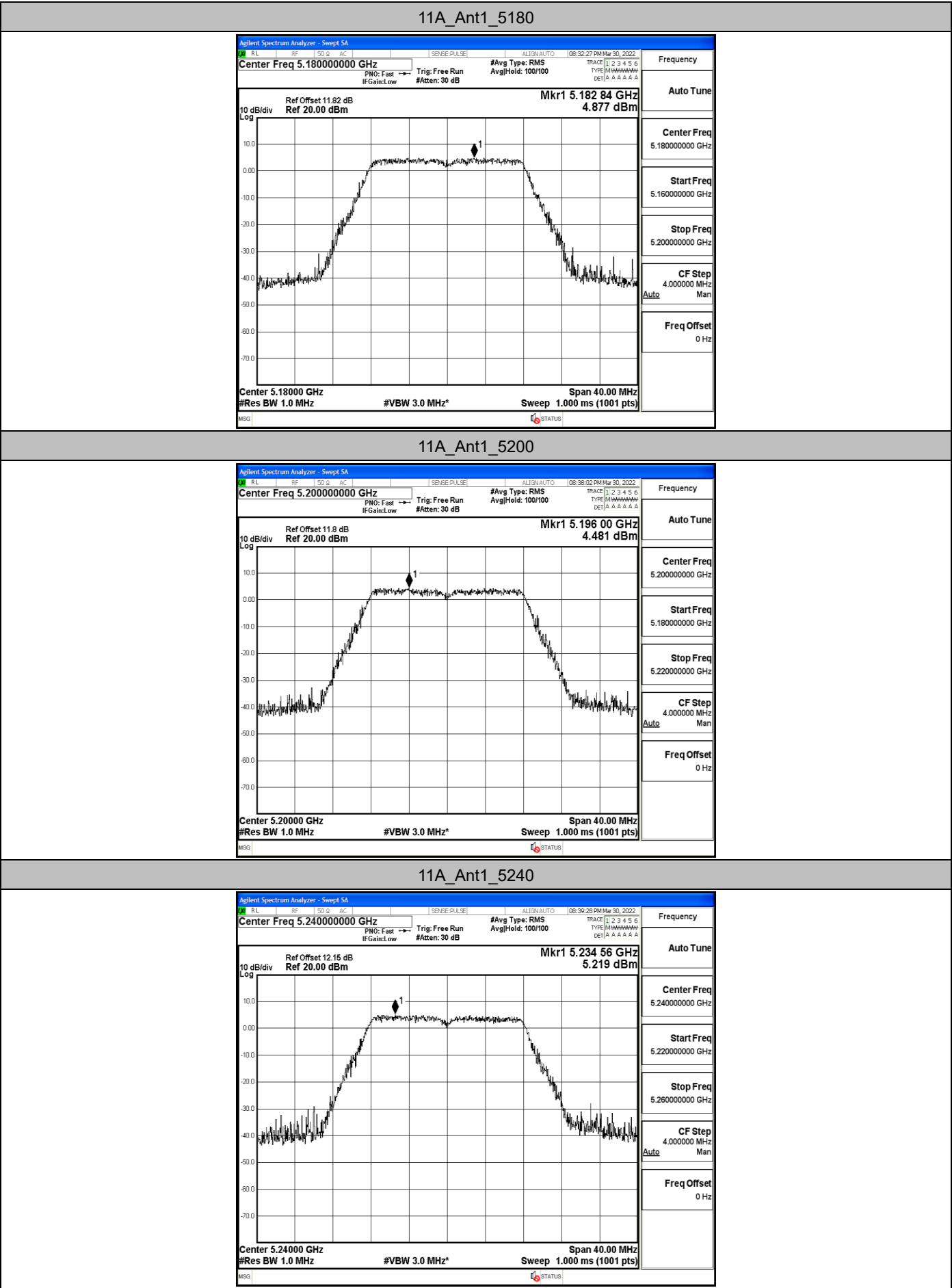
Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	4.88	≤11	PASS
		5200	4.48	≤11	PASS
		5240	5.22	≤11	PASS
11N20SISO	Ant1	5180	7.82	≤11	PASS
		5200	6.64	≤11	PASS
		5240	7.09	≤11	PASS
11N40SISO	Ant1	5190	5.34	≤11	PASS
		5230	5.37	≤11	PASS

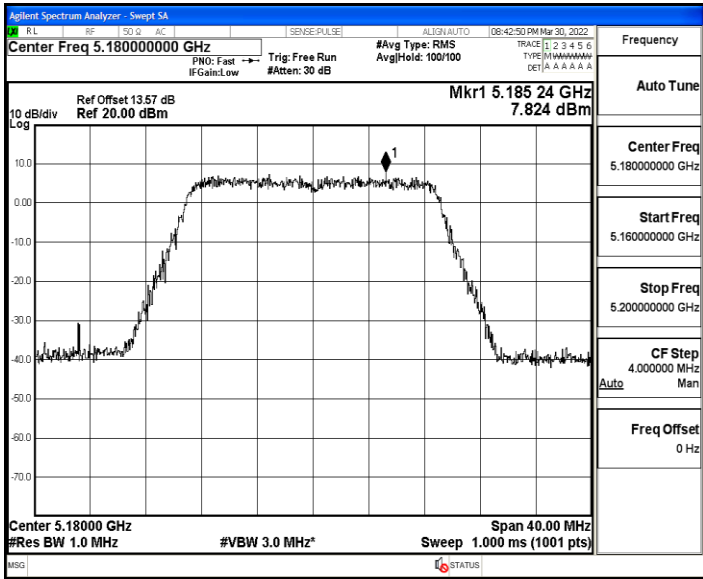
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

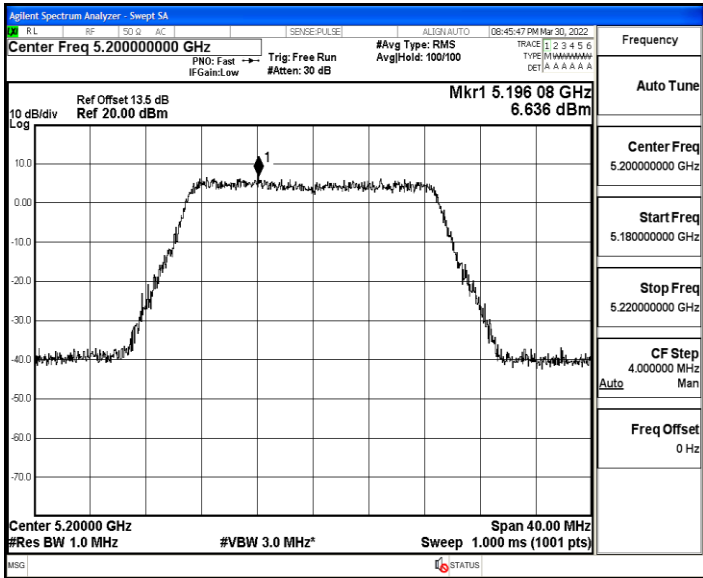
Test Graphs



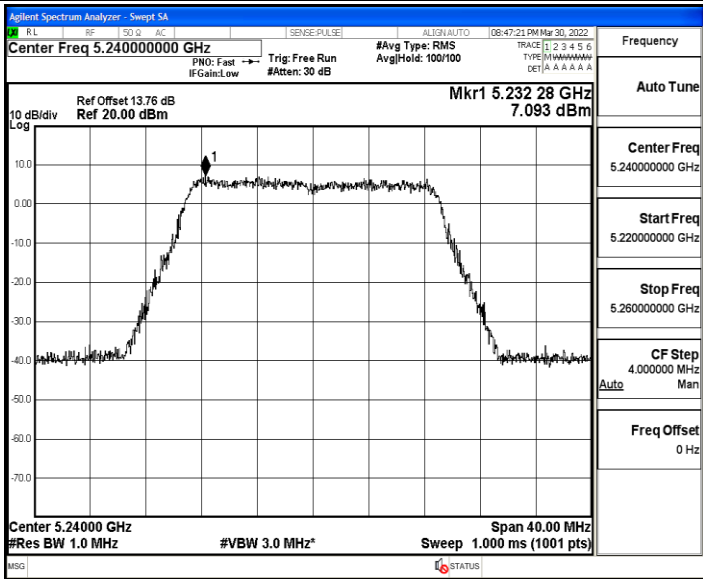
11N20SISO_Ant1_5180



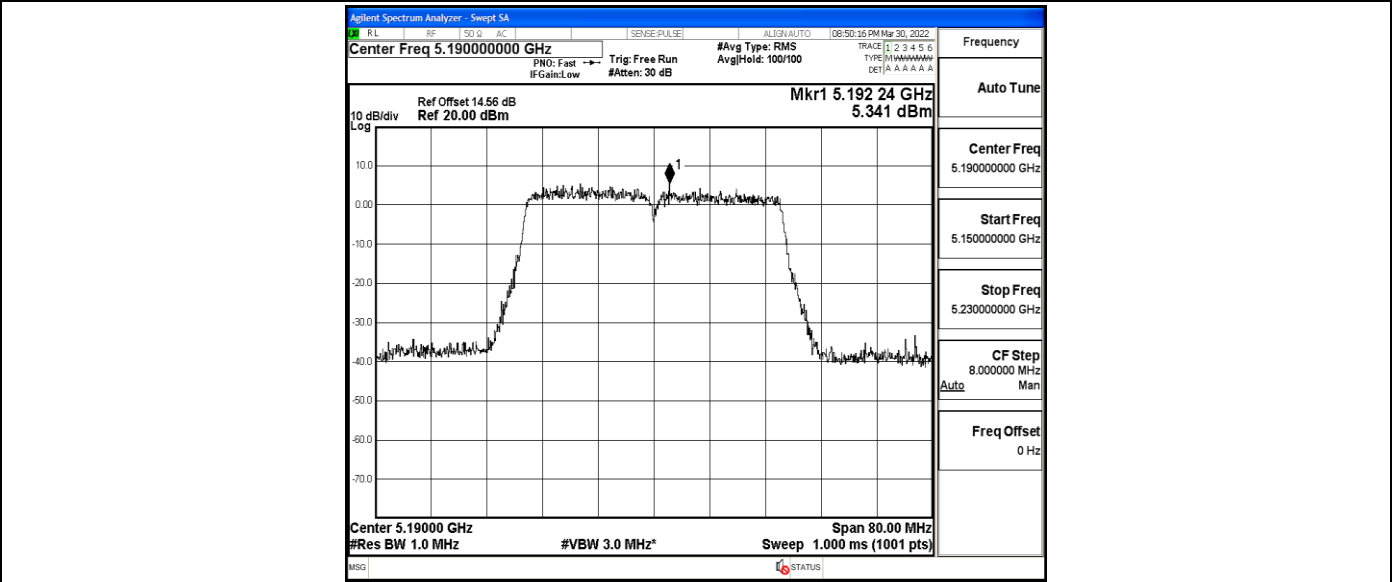
11N20SISO_Ant1_5200



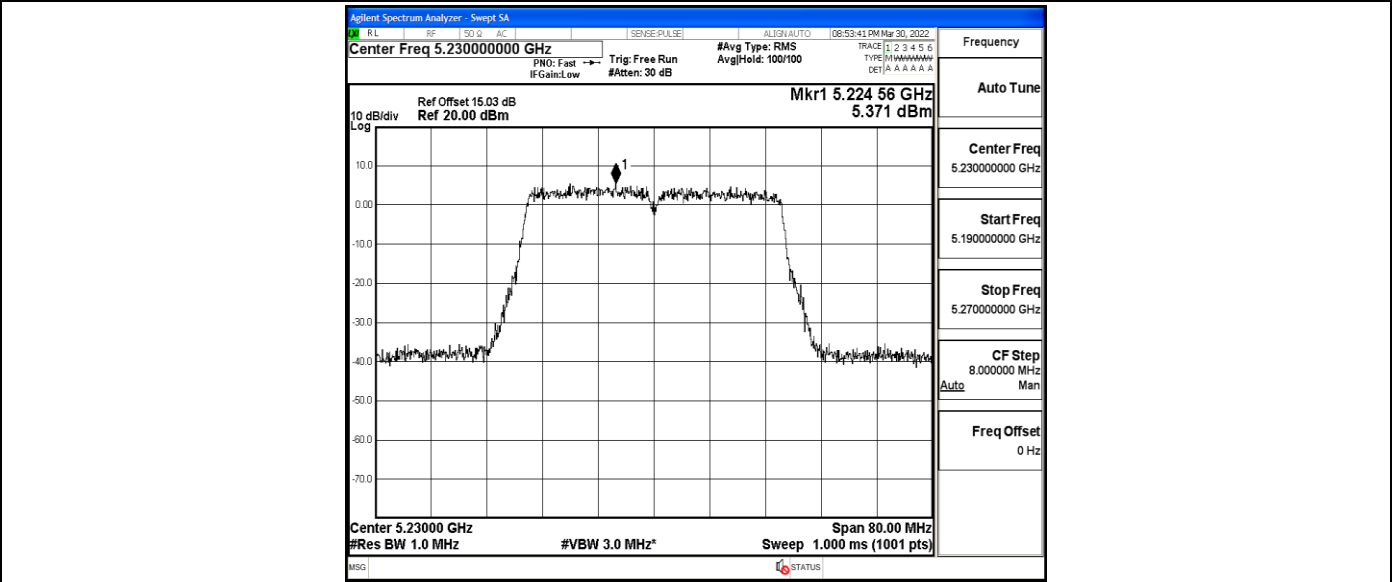
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230

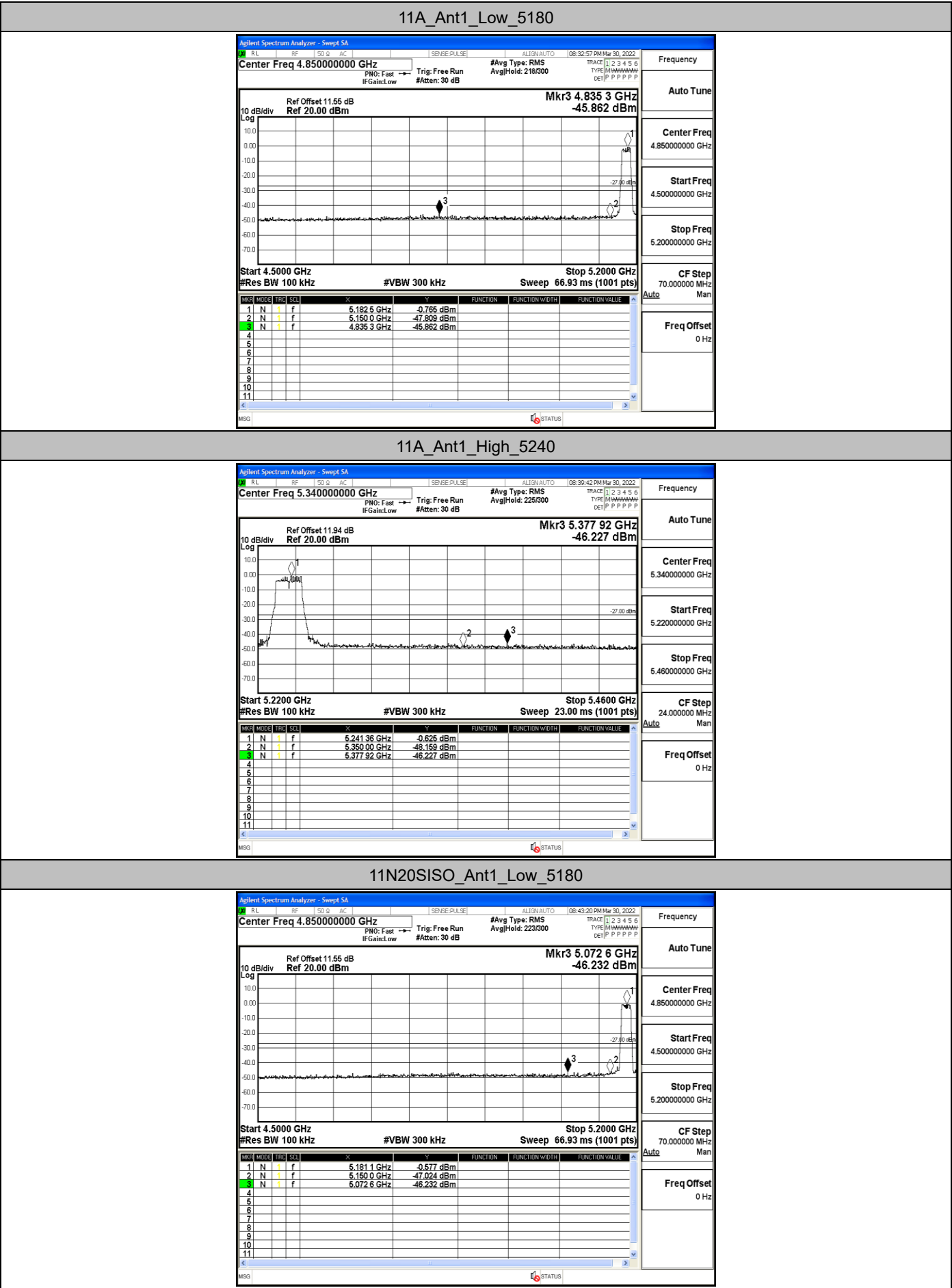


Appendix D: Band edge measurements

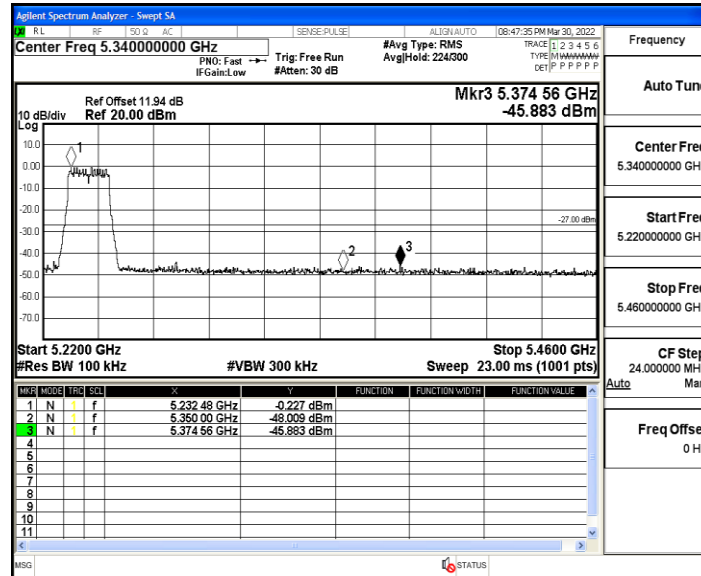
Test Result

TestMode	Antenna	ChName	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-45.86	≤ -27	PASS
		High	5240	-46.23	≤ -27	PASS
11N20SISO	Ant1	Low	5180	-46.23	≤ -27	PASS
		High	5240	-45.88	≤ -27	PASS
11N40SISO	Ant1	Low	5190	-44.61	≤ -27	PASS
		High	5230	-46.51	≤ -27	PASS

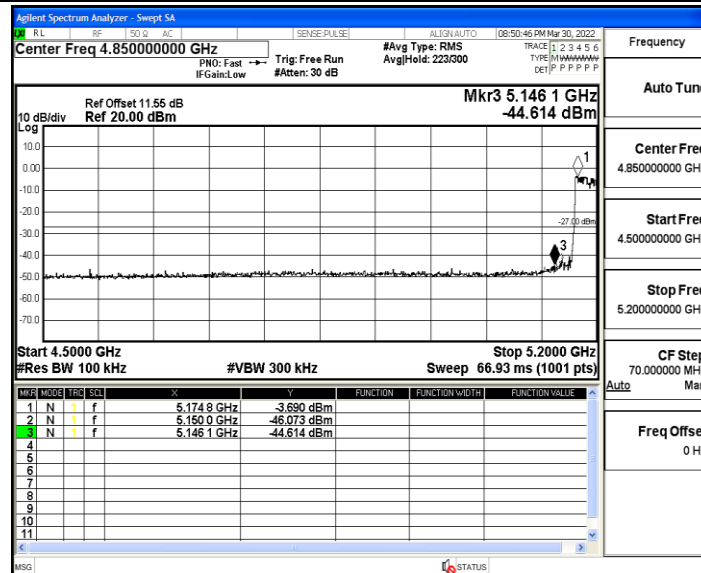
Test Graphs



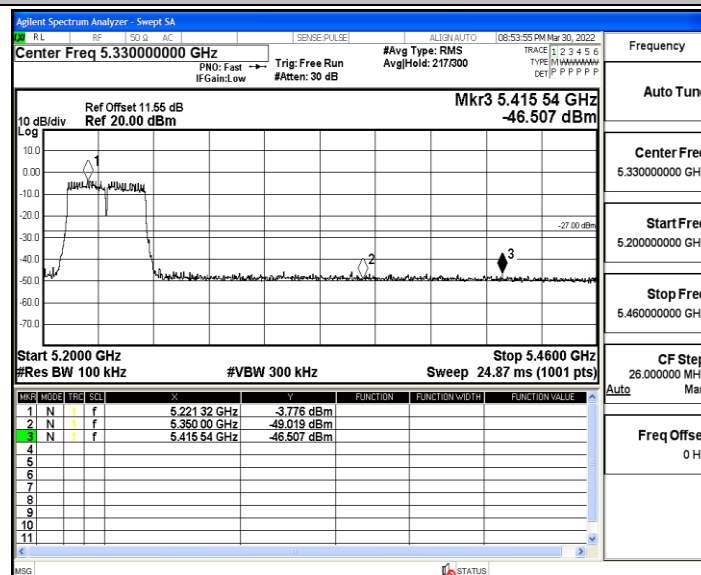
11N20SISO_Ant1_High_5240



11N40SISO_Ant1_Low_5190



11N40SISO_Ant1_High_5230



Appendix E: Frequency Stability

Test Result

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5180	20	132	5179.952066	5150 – 5250	PASS
5180	20	108	5179.982746	5150 – 5250	PASS
5180	50	120	5179.988019	5150 – 5250	PASS
5180	40	120	5179.964815	5150 – 5250	PASS
5180	30	120	5179.901325	5150 – 5250	PASS
5180	20	120	5180.059216	5150 – 5250	PASS
5180	10	120	5180.006114	5150 – 5250	PASS
5180	0	120	5179.922491	5150 – 5250	PASS
5180	-10	120	5180.046451	5150 – 5250	PASS
5180	-20	120	5179.925916	5150 – 5250	PASS
5180	-30	120	5180.086306	5150 – 5250	PASS

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5200	20	132	5200.006836	5150 – 5250	PASS
5200	20	108	5200.091221	5150 – 5250	PASS
5200	50	120	5200.030440	5150 – 5250	PASS
5200	40	120	5200.002094	5150 – 5250	PASS
5200	30	120	5200.079246	5150 – 5250	PASS
5200	20	120	5200.017503	5150 – 5250	PASS
5200	10	120	5199.943524	5150 – 5250	PASS
5200	0	120	5199.982000	5150 – 5250	PASS
5200	-10	120	5200.093061	5150 – 5250	PASS
5200	-20	120	5200.058866	5150 – 5250	PASS
5200	-30	120	5200.096852	5150 – 5250	PASS

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5240	20	132	5239.934732	5150 – 5250	PASS
5240	20	108	5239.971797	5150 – 5250	PASS
5240	50	120	5239.910557	5150 – 5250	PASS
5240	40	120	5240.000030	5150 – 5250	PASS
5240	30	120	5240.083181	5150 – 5250	PASS
5240	20	120	5240.052745	5150 – 5250	PASS
5240	10	120	5239.907301	5150 – 5250	PASS
5240	0	120	5239.981324	5150 – 5250	PASS
5240	-10	120	5239.986571	5150 – 5250	PASS
5240	-20	120	5240.081505	5150 – 5250	PASS
5240	-30	120	5239.944410	5150 – 5250	PASS

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5190	20	132	5189.978363	5150 – 5250	PASS
5190	20	108	5189.910048	5150 – 5250	PASS
5190	50	120	5189.973484	5150 – 5250	PASS
5190	40	120	5190.026755	5150 – 5250	PASS
5190	30	120	5189.956134	5150 – 5250	PASS
5190	20	120	5190.022687	5150 – 5250	PASS
5190	10	120	5189.917891	5150 – 5250	PASS
5190	0	120	5189.941942	5150 – 5250	PASS
5190	-10	120	5190.089646	5150 – 5250	PASS
5190	-20	120	5190.022590	5150 – 5250	PASS
5190	-30	120	5189.945770	5150 – 5250	PASS

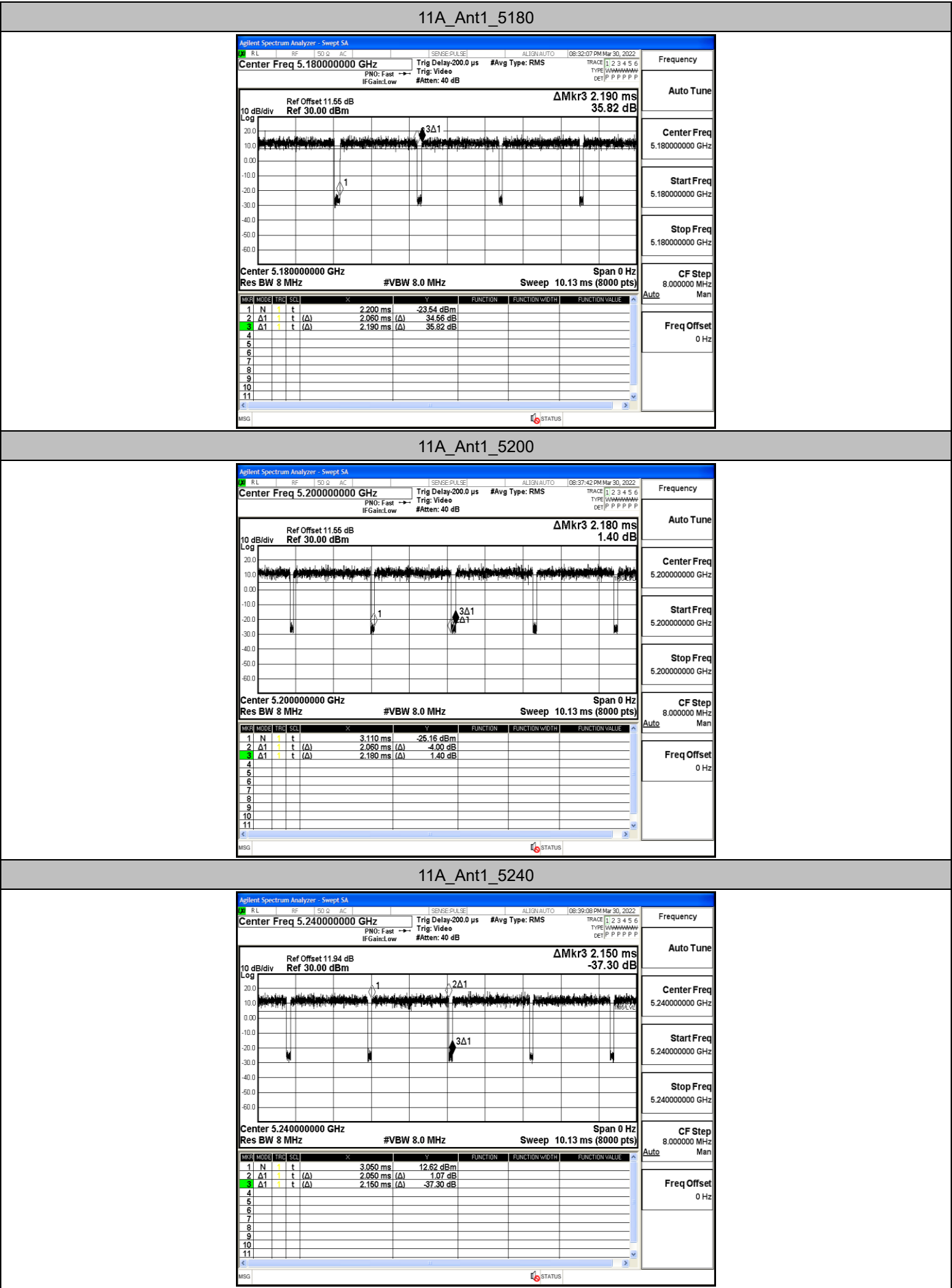
Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5230	20	132	5229.984486	5150 – 5250	PASS
5230	20	108	5230.051142	5150 – 5250	PASS
5230	50	120	5229.919846	5150 – 5250	PASS
5230	40	120	5230.012485	5150 – 5250	PASS
5230	30	120	5230.022699	5150 – 5250	PASS
5230	20	120	5230.058084	5150 – 5250	PASS
5230	10	120	5230.004866	5150 – 5250	PASS
5230	0	120	5229.922406	5150 – 5250	PASS
5230	-10	120	5230.006060	5150 – 5250	PASS
5230	-20	120	5229.945661	5150 – 5250	PASS
5230	-30	120	5230.030752	5150 – 5250	PASS

Appendix F: Duty Cycle

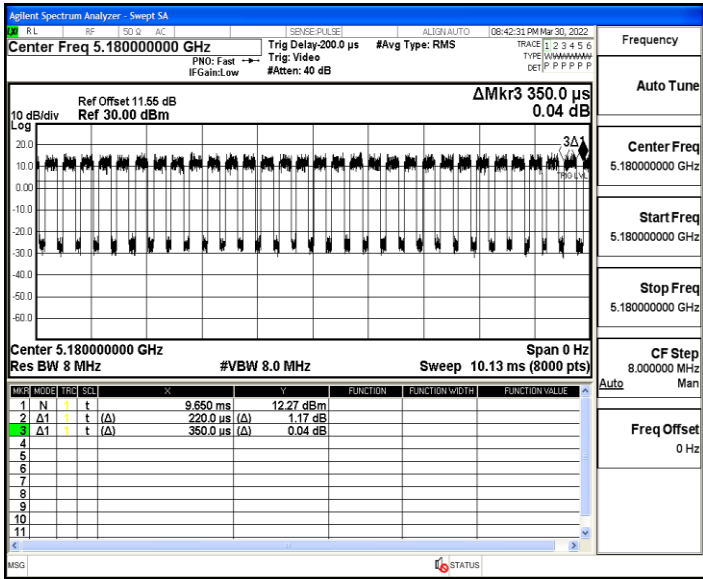
Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/B [kHz]
11A	Ant1	5180	2.06	2.19	94.06	0.49
		5200	2.06	2.18	94.50	0.49
		5240	2.05	2.15	95.35	0.49
11N20SISO	Ant1	5180	0.22	0.35	62.86	4.55
		5200	0.23	0.36	63.89	4.35
		5240	0.23	0.35	65.71	4.35
11N40SISO	Ant1	5190	0.13	0.26	50.00	7.69
		5230	0.13	0.29	44.83	7.69

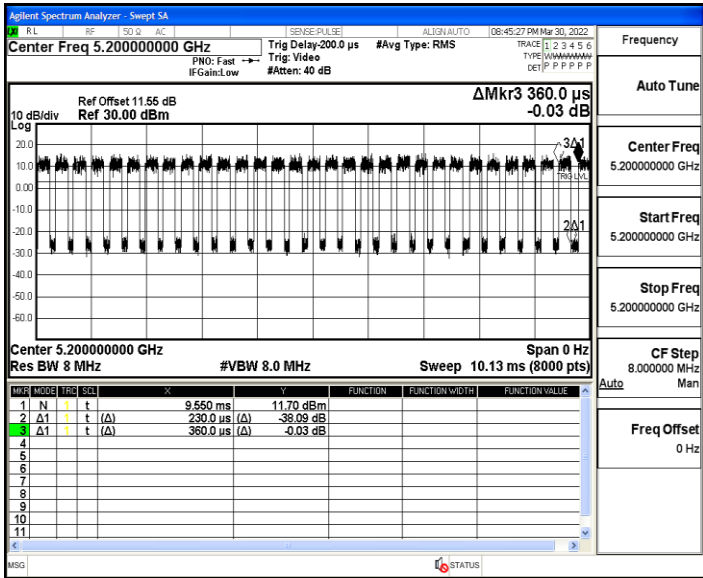
Test Graphs



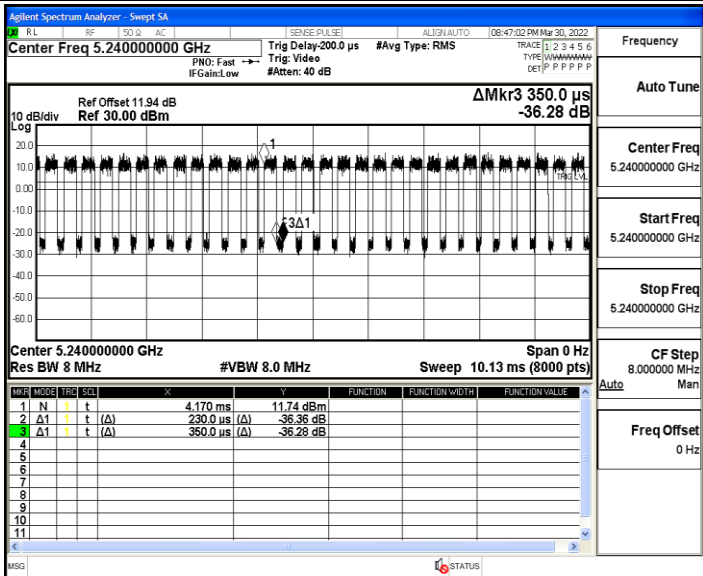
11N20SISO_Ant1_5180



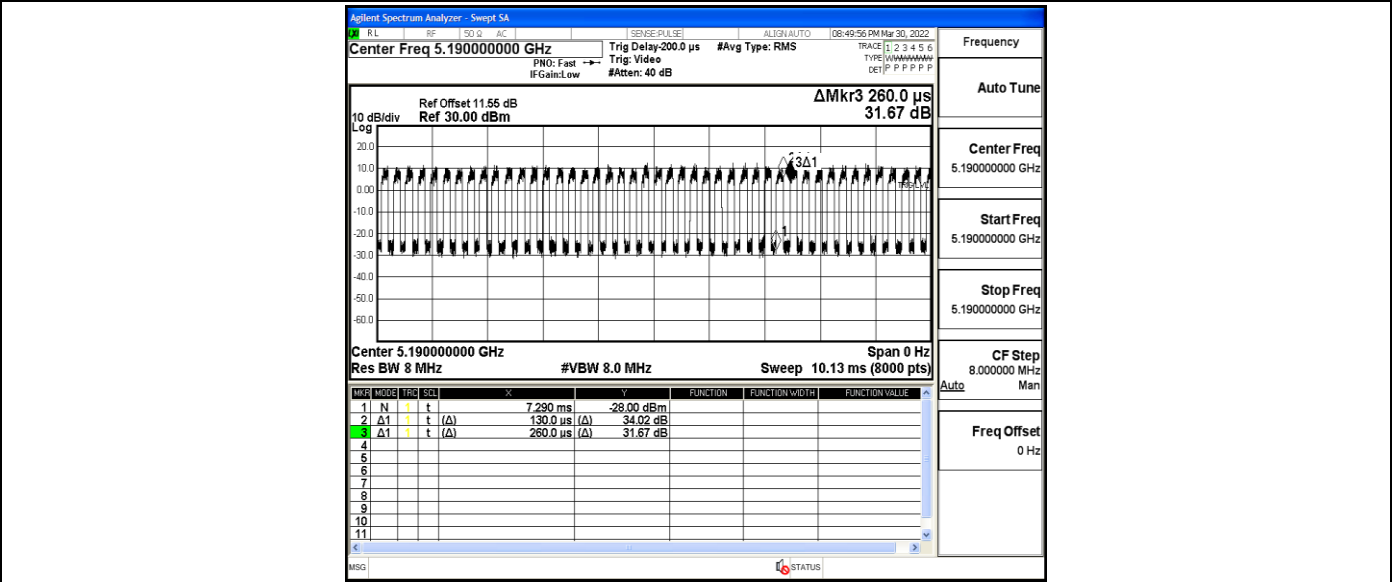
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230

