

Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: Laptop

Test Model: H729AE

Environmental Conditions

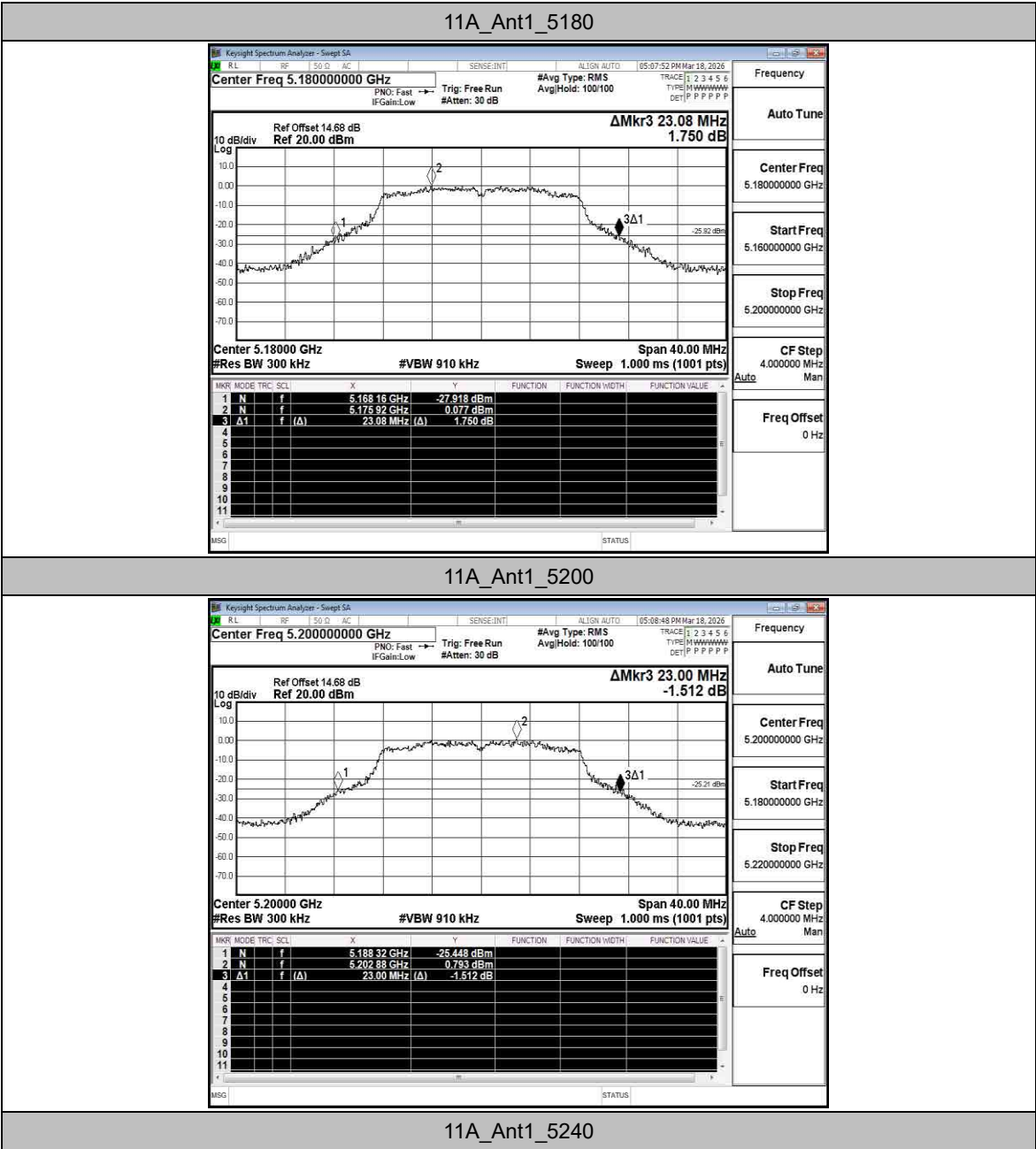
Temperature:	23.5°C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

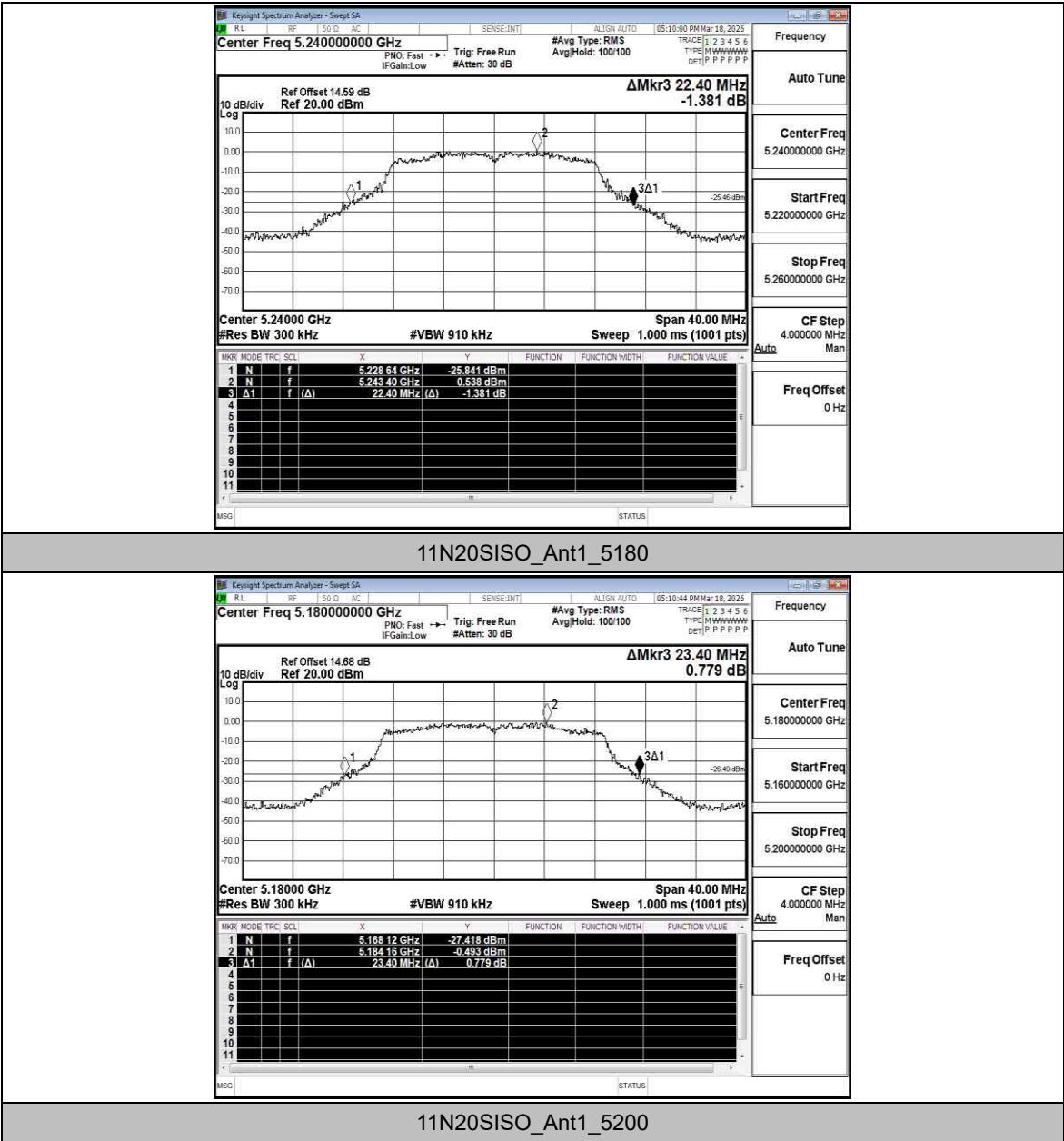
D.1 Emission Bandwidth

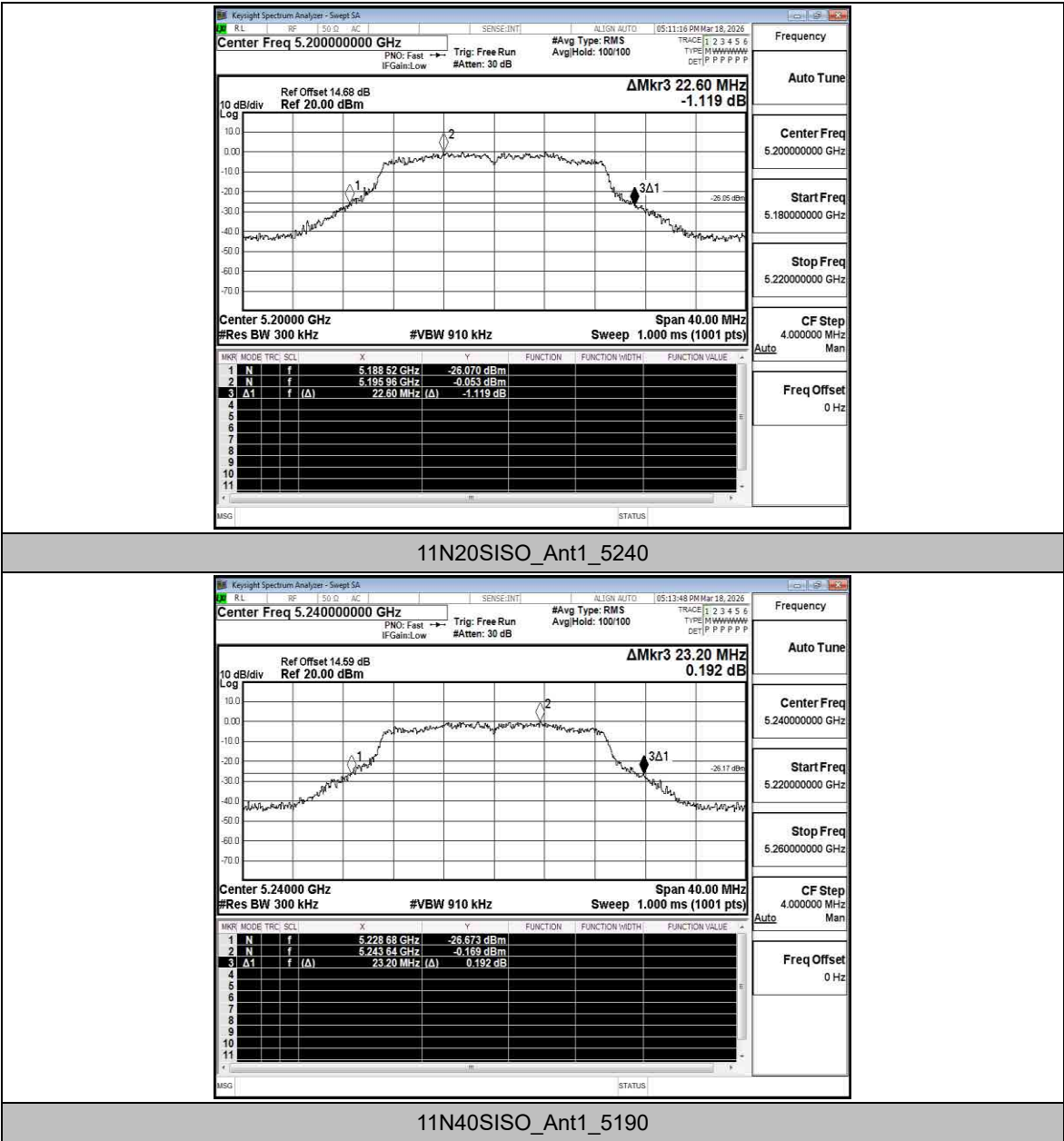
Test Result

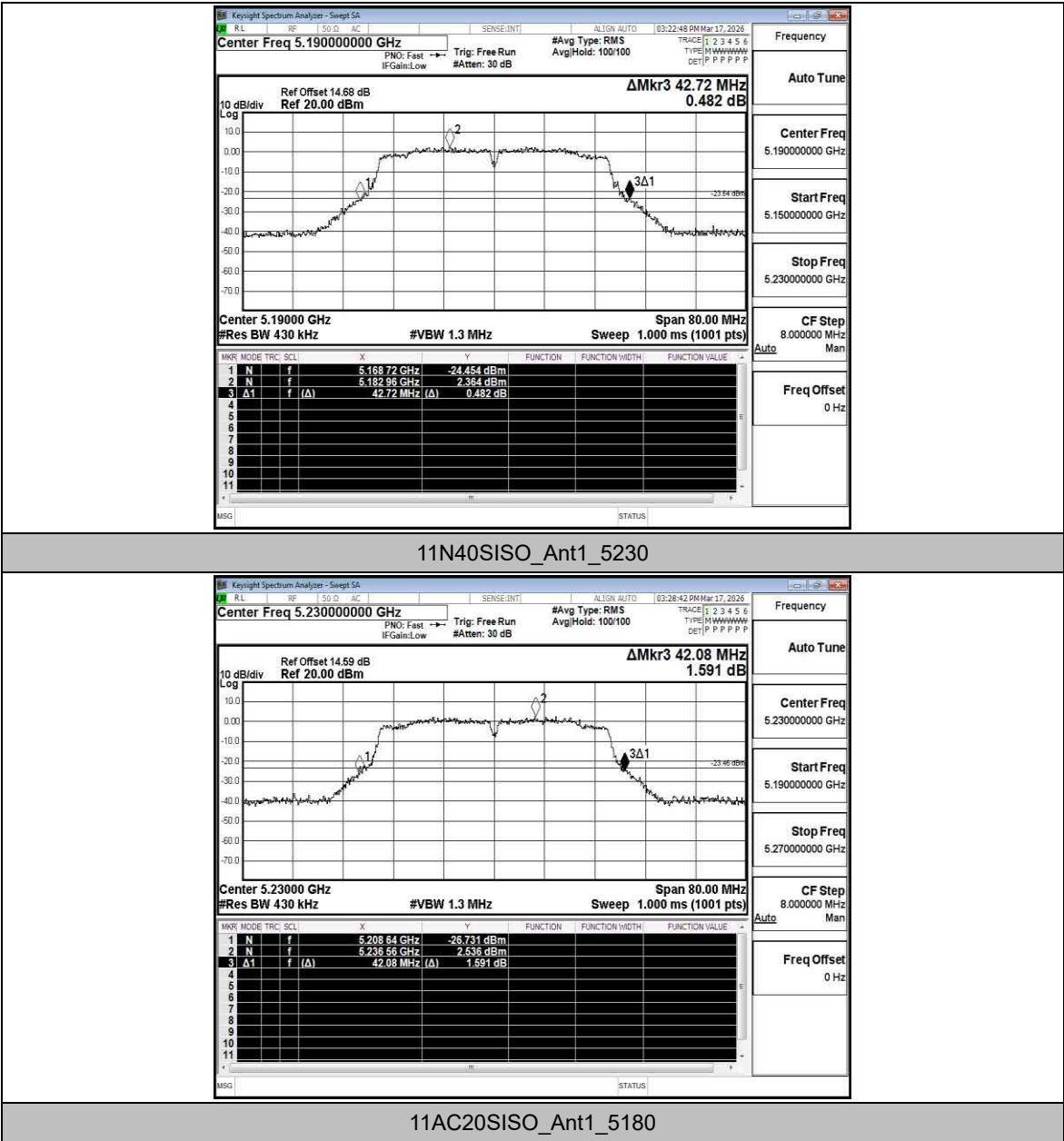
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	23.080	5168.160	5191.240	---	---
		5200	23.000	5188.320	5211.320	---	---
		5240	22.400	5228.640	5251.040	---	---
11N20SISO	Ant1	5180	23.400	5168.120	5191.520	---	---
		5200	22.600	5188.520	5211.120	---	---
		5240	23.200	5228.680	5251.880	---	---
11N40SISO	Ant1	5190	42.720	5168.720	5211.440	---	---
		5230	42.080	5208.640	5250.720	---	---
11AC20SISO	Ant1	5180	23.600	5168.600	5192.200	---	---
		5200	22.520	5188.800	5211.320	---	---
		5240	23.760	5228.040	5251.800	---	---
11AC40SISO	Ant1	5190	41.840	5168.960	5210.800	---	---
		5230	41.520	5209.040	5250.560	---	---
11AC80SISO	Ant1	5210	83.040	5168.080	5251.120	---	---

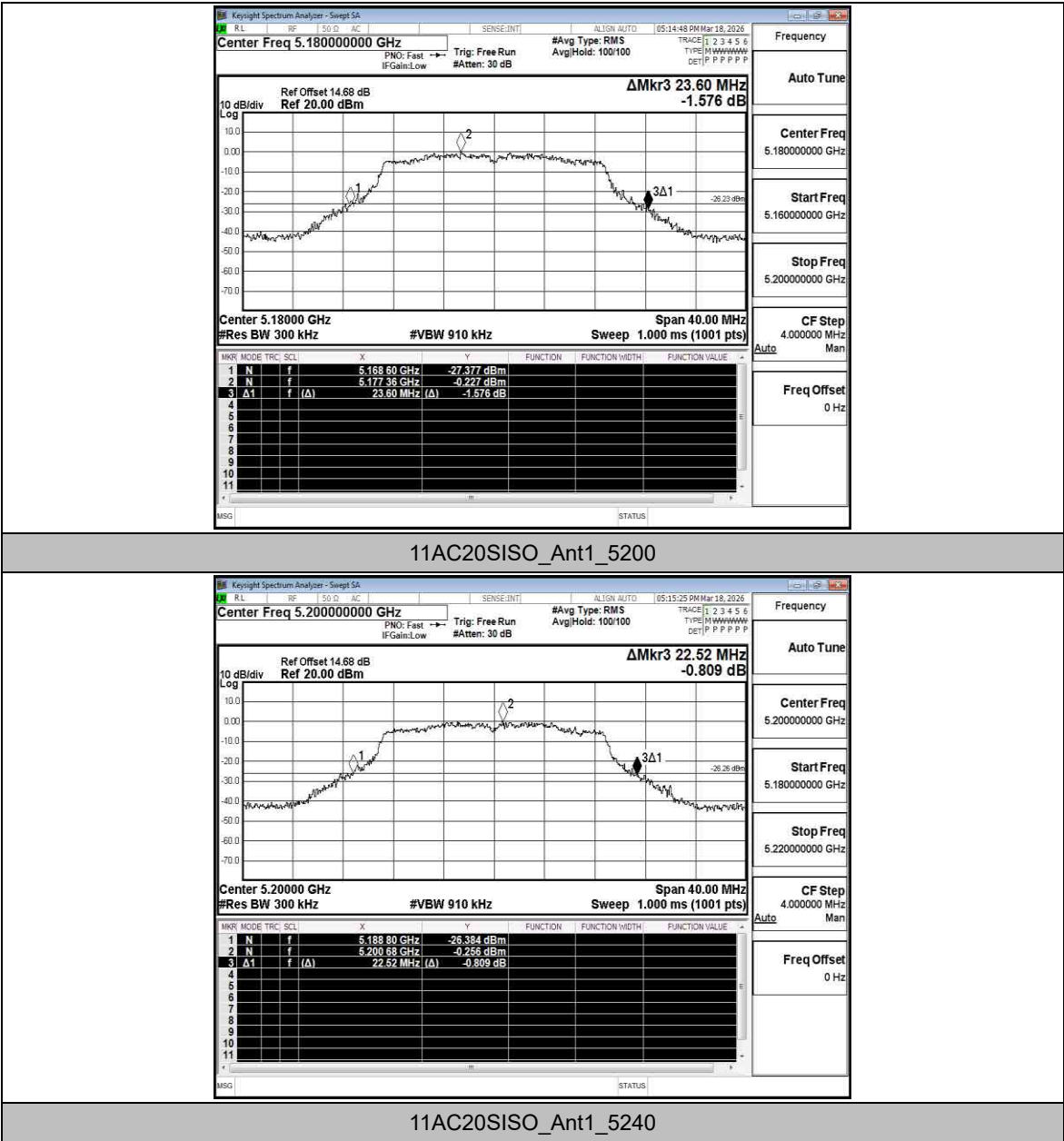
Test Graphs

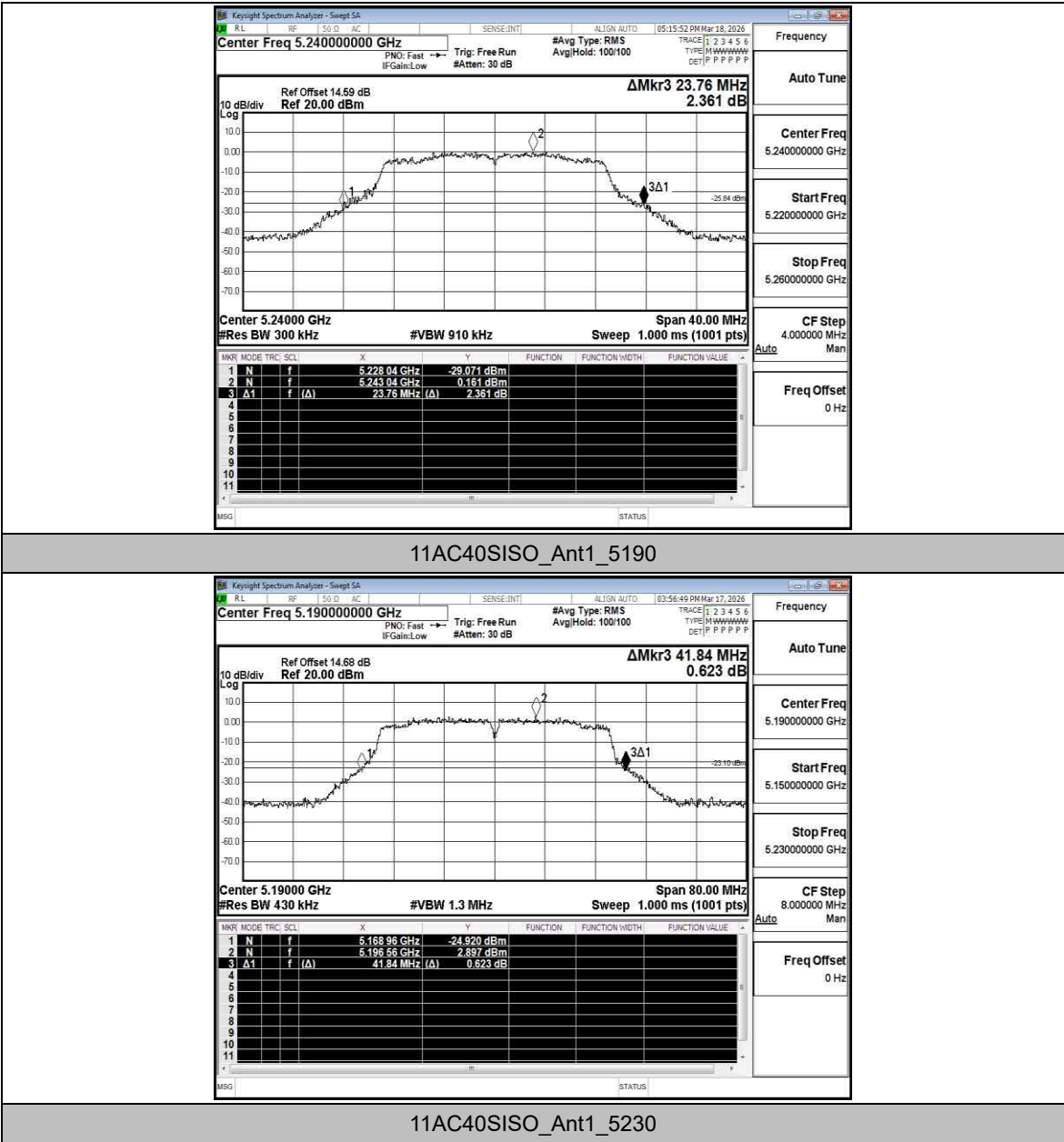


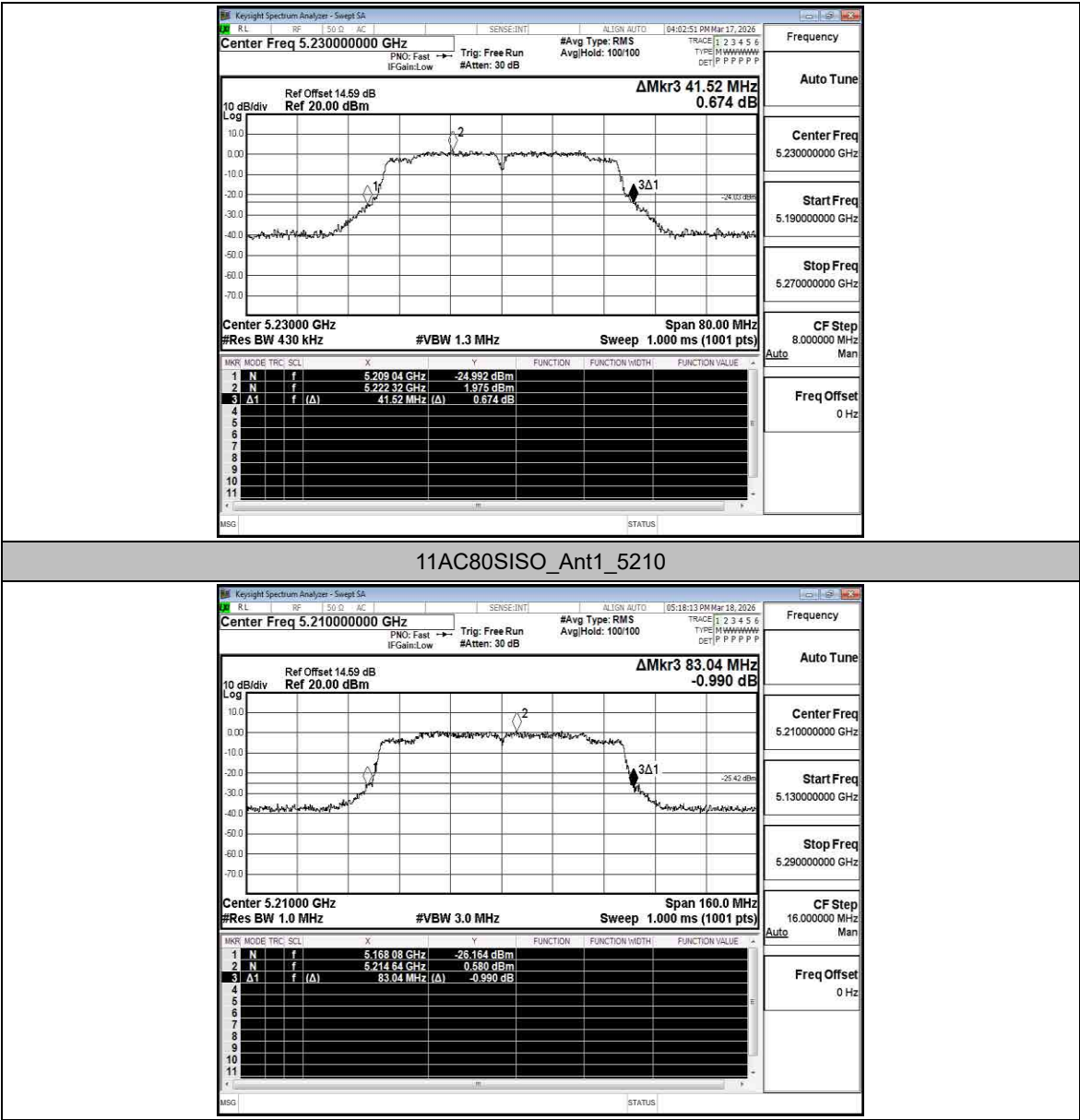








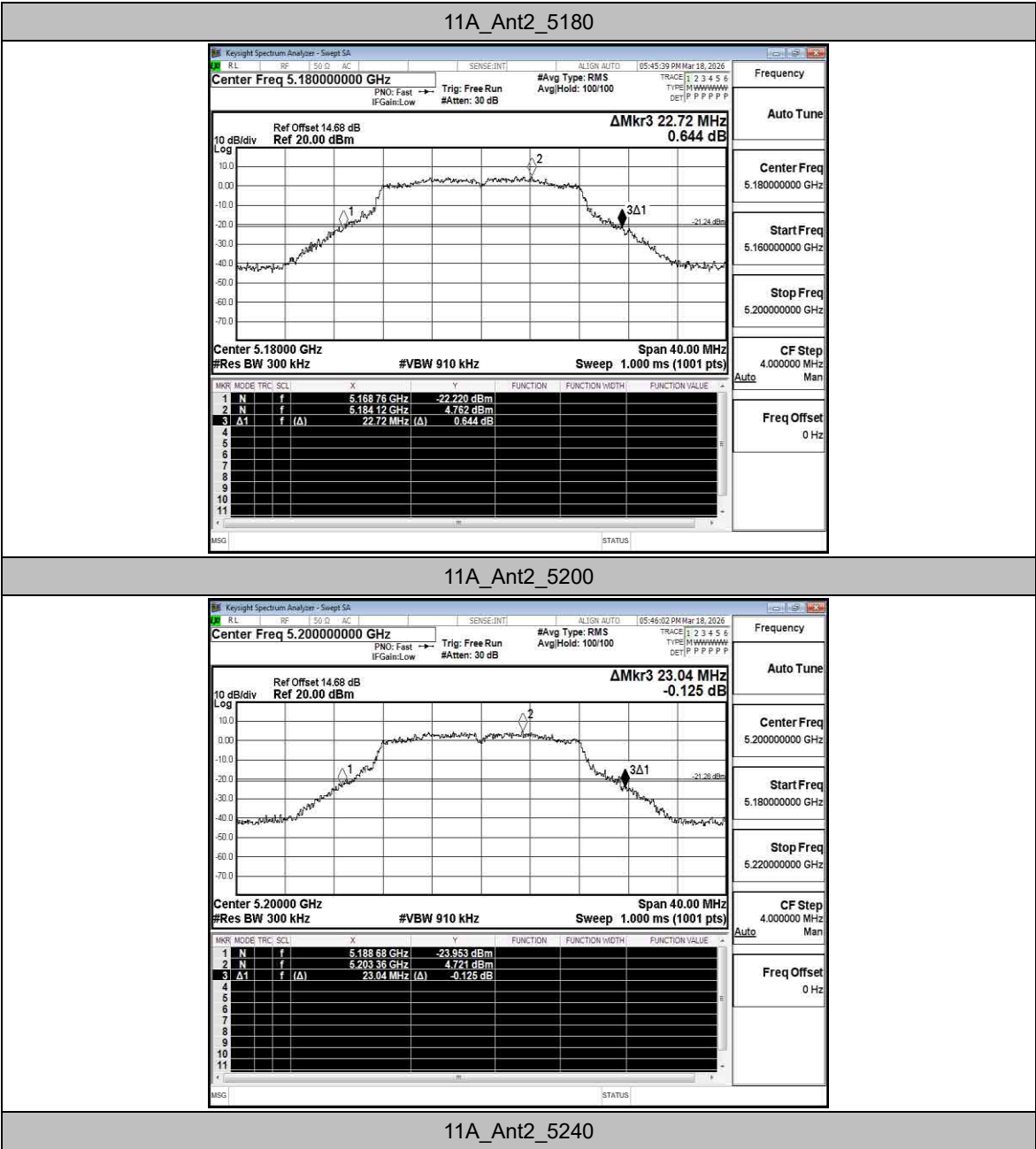


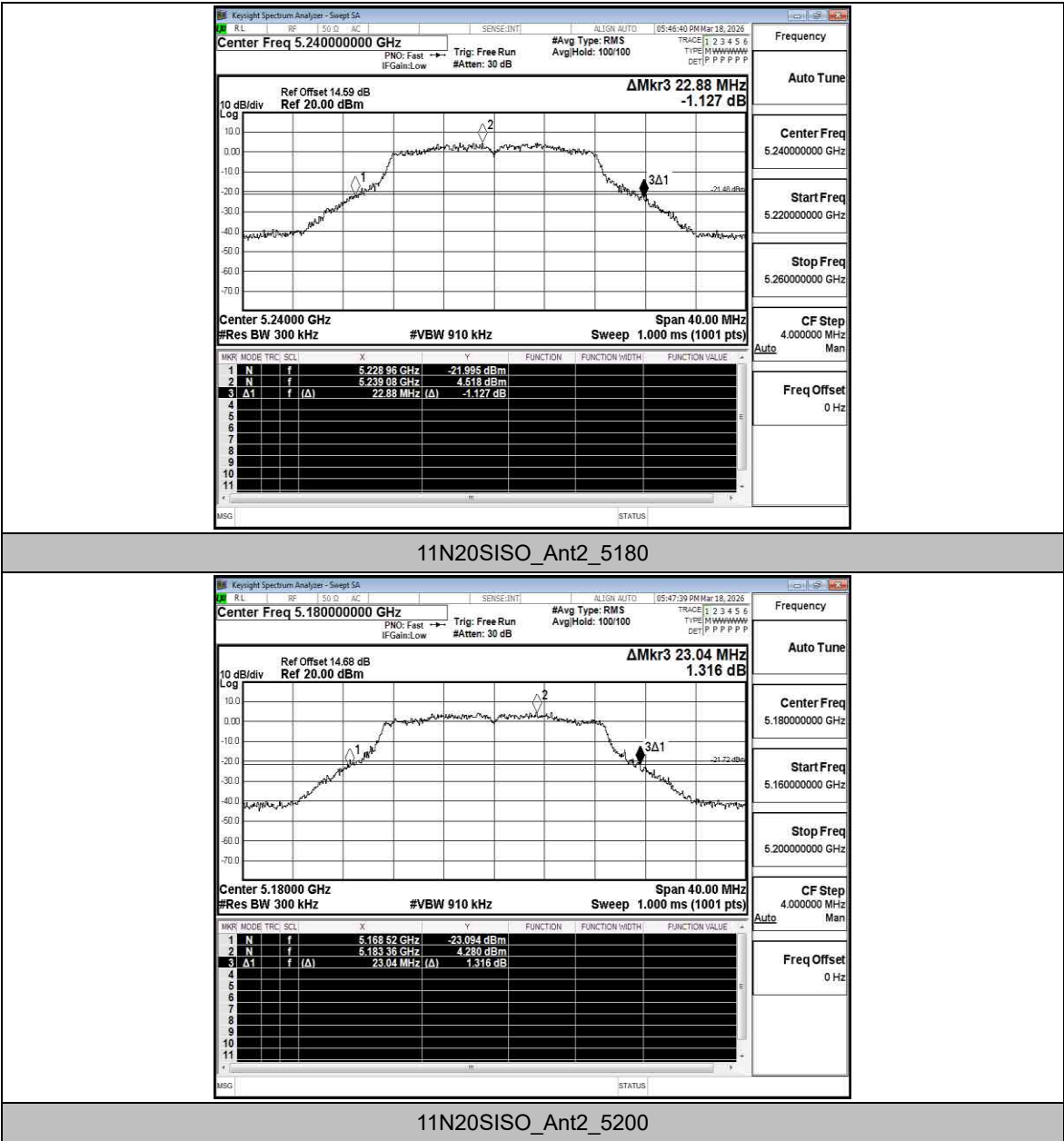


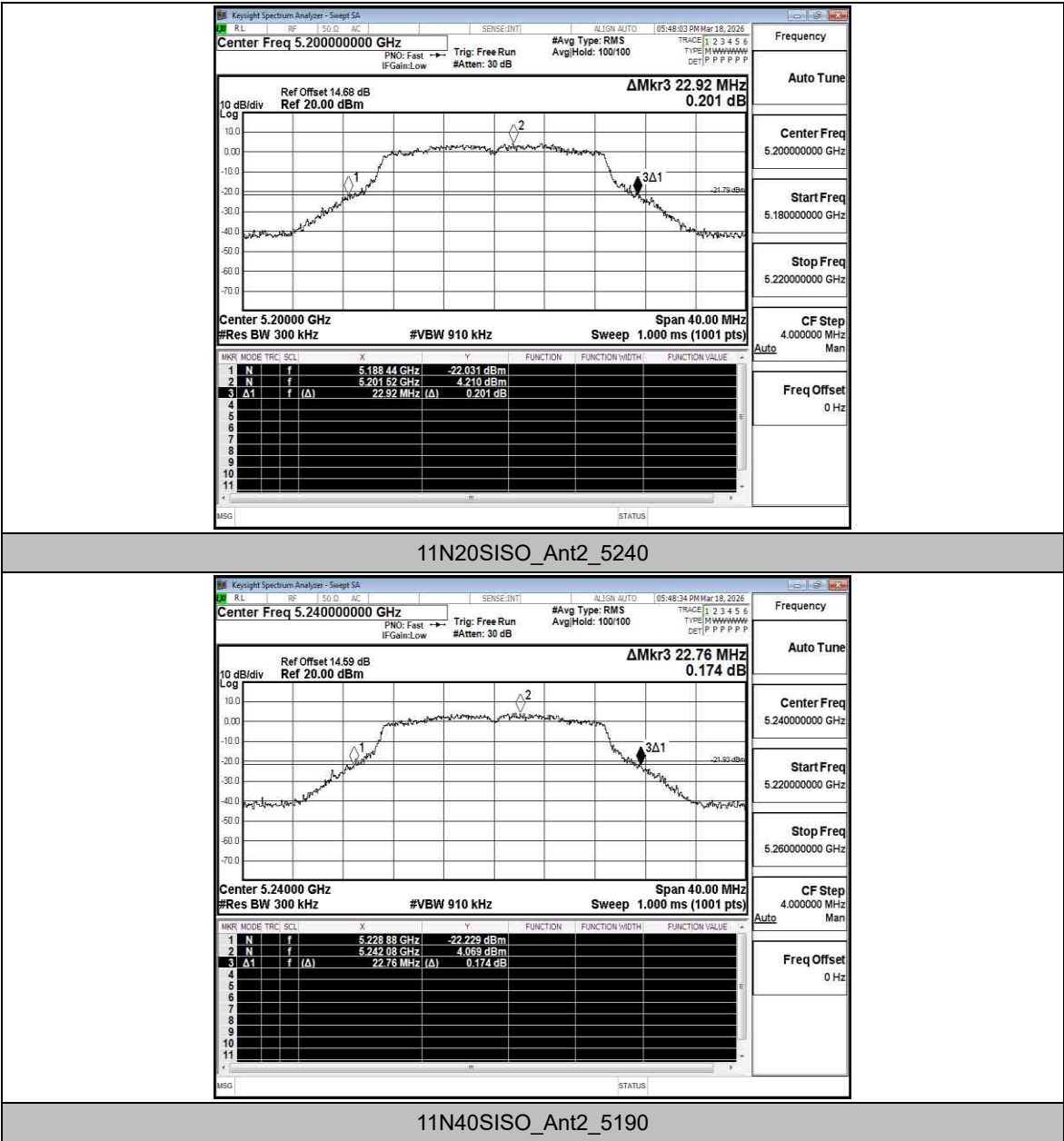
Test Result

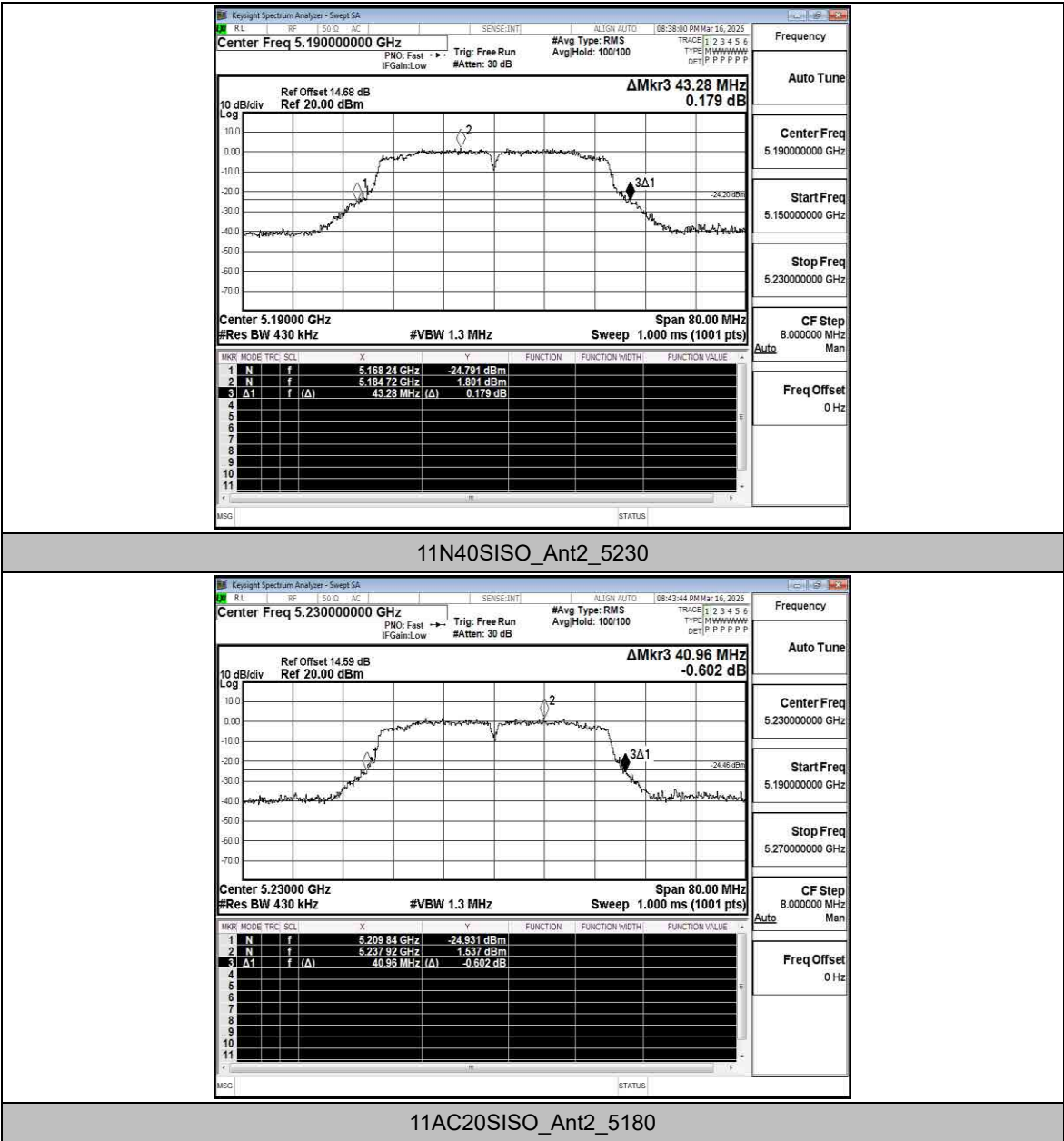
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	22.720	5168.760	5191.480	---	---
		5200	23.040	5188.680	5211.720	---	---
		5240	22.880	5228.960	5251.840	---	---
11N20SISO	Ant2	5180	23.040	5168.520	5191.560	---	---
		5200	22.920	5188.440	5211.360	---	---
		5240	22.760	5228.880	5251.640	---	---
11N40SISO	Ant2	5190	43.280	5168.240	5211.520	---	---
		5230	40.960	5209.840	5250.800	---	---
11AC20SISO	Ant2	5180	23.240	5168.400	5191.640	---	---
		5200	24.040	5188.040	5212.080	---	---
		5240	23.360	5228.200	5251.560	---	---
11AC40SISO	Ant2	5190	43.200	5168.320	5211.520	---	---
		5230	42.000	5208.880	5250.880	---	---
11AC80SISO	Ant2	5210	82.720	5168.720	5251.440	---	---

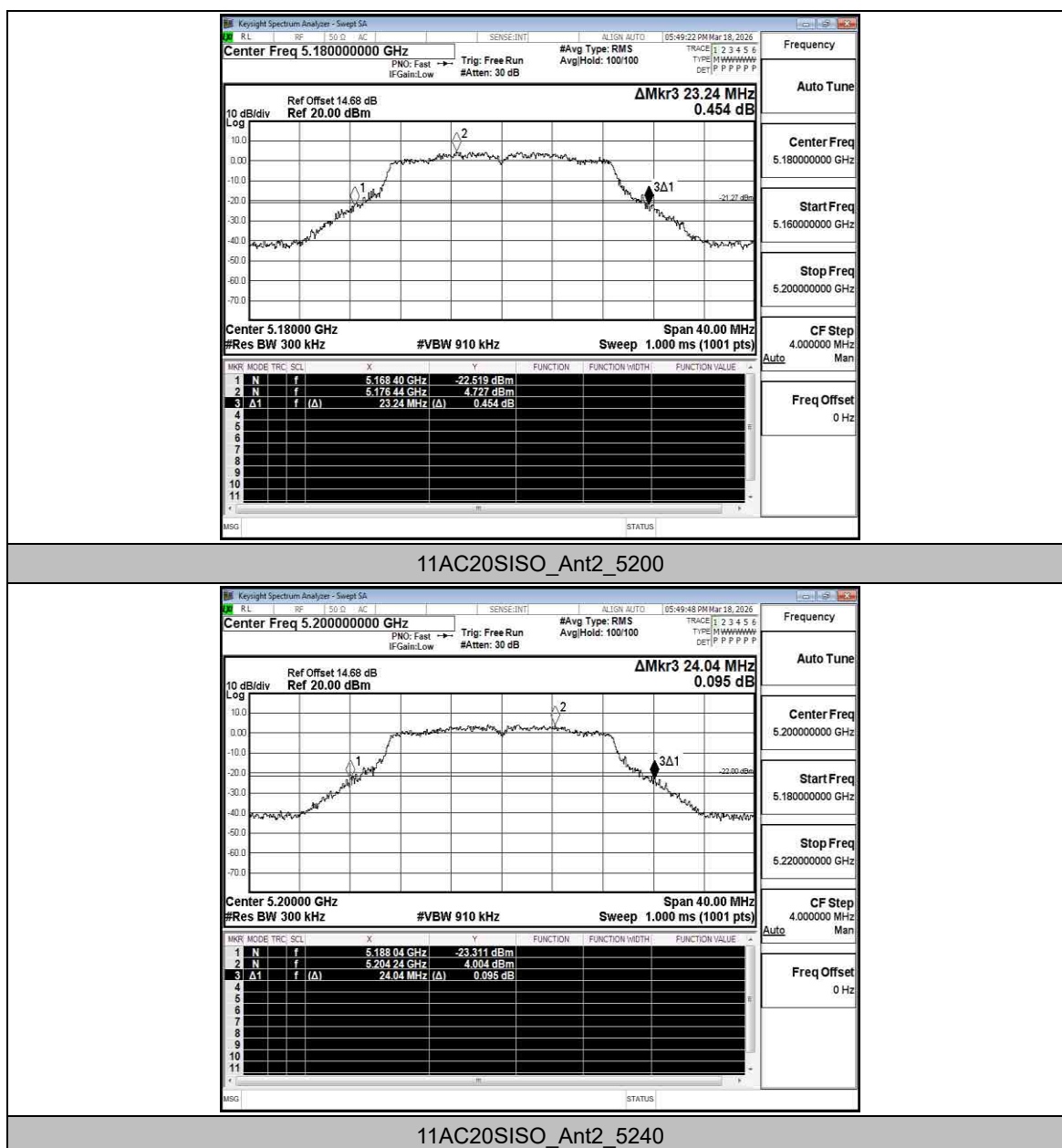
Test Graphs

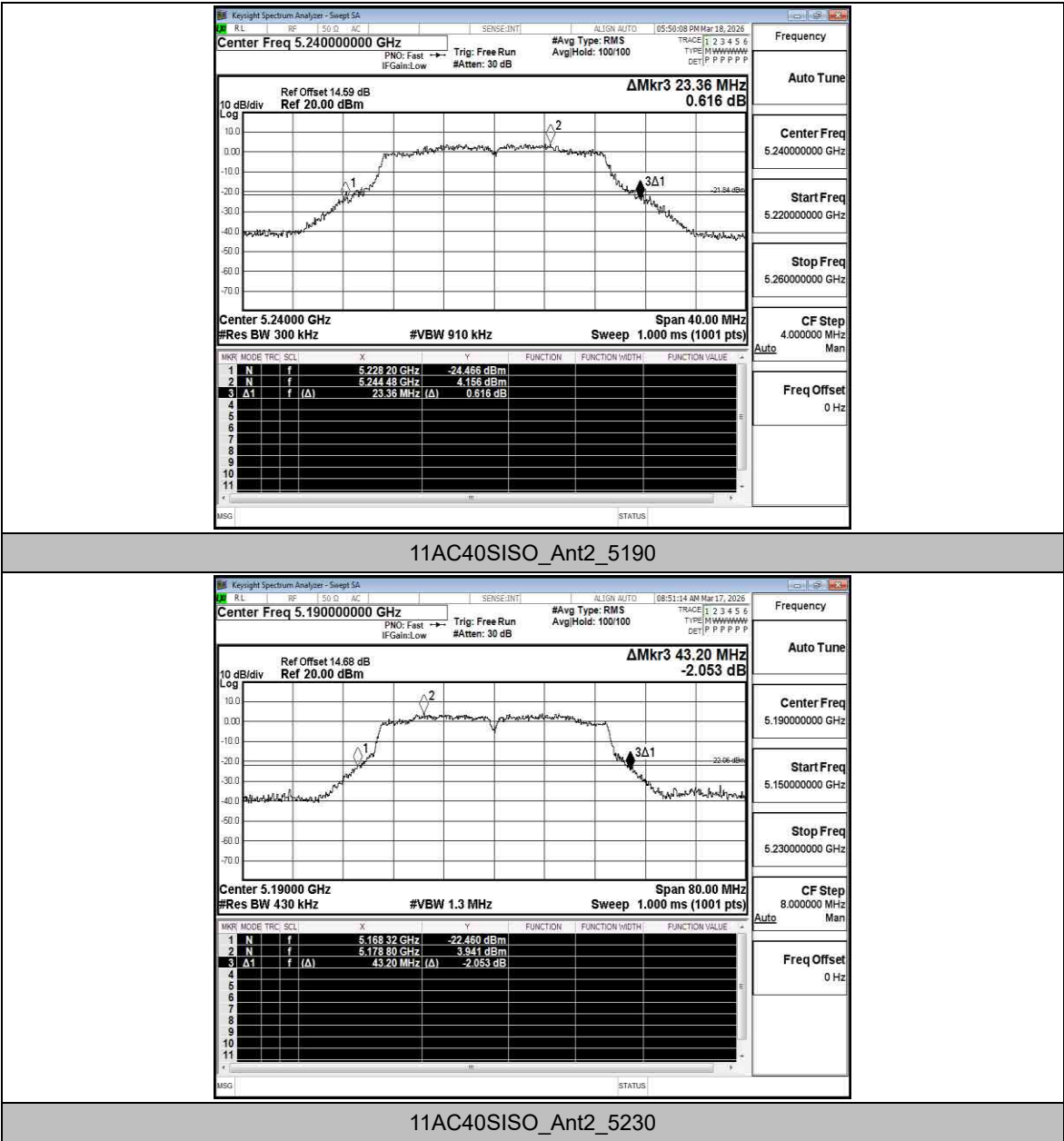


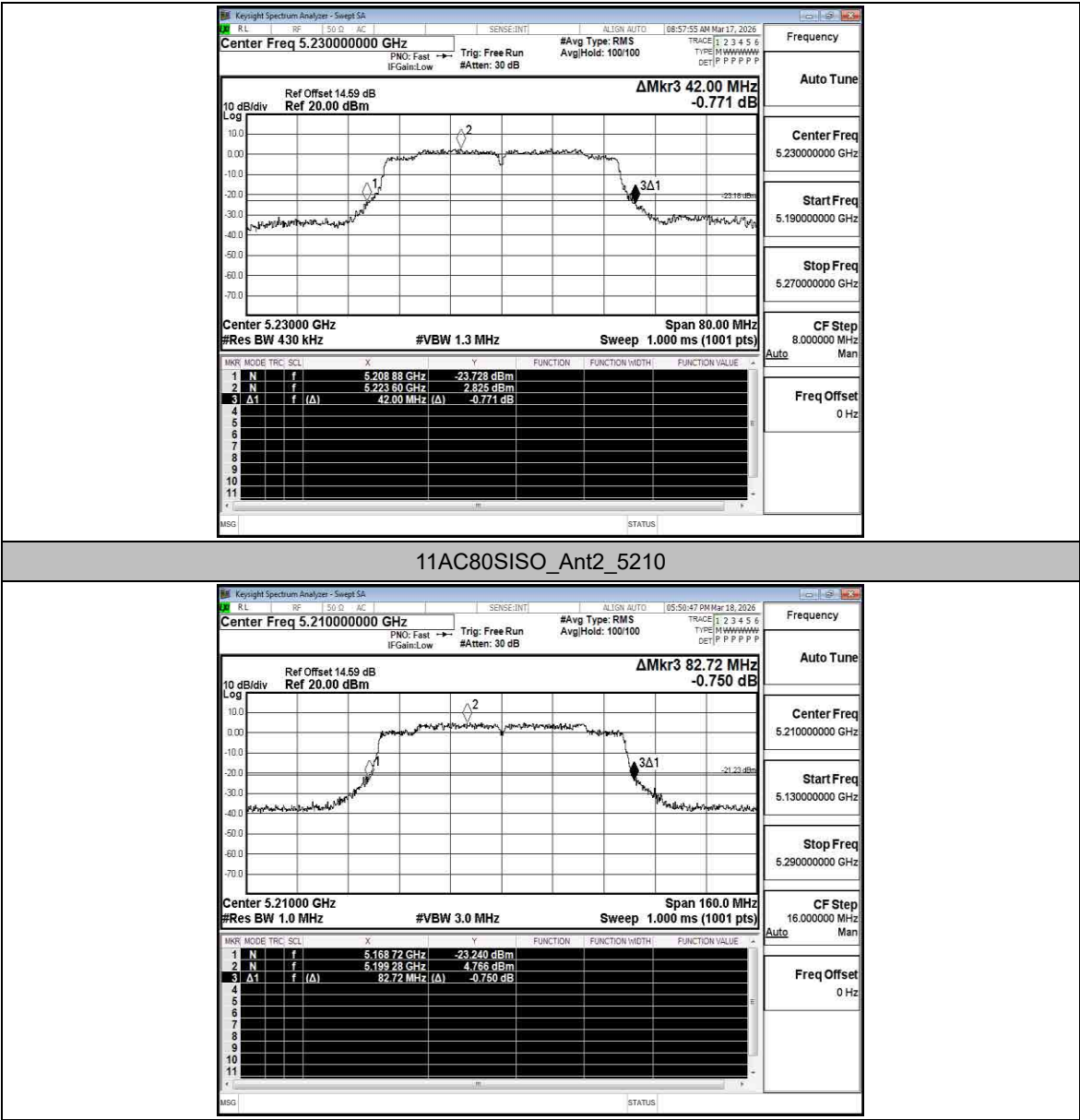












D.2 Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	TPC Mode	Measured Power [dBm]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	NA	12.98	0.10	13.08	≤23.98	PASS
		5200	NA	12.96	0.10	13.06	≤23.98	PASS
		5240	NA	12.47	0.12	12.59	≤23.98	PASS
11N20SISO	Ant1	5180	NA	12.61	0.11	12.72	≤23.98	PASS
		5200	NA	12.83	0.13	12.96	≤23.98	PASS
		5240	NA	12.41	0.17	12.58	≤23.98	PASS
11N40SISO	Ant1	5190	NA	13.26	0.22	13.48	≤23.98	PASS
		5230	NA	13.12	0.22	13.34	≤23.98	PASS
11AC20SISO	Ant1	5180	NA	12.60	0.15	12.75	≤23.98	PASS
		5200	NA	12.84	0.15	12.99	≤23.98	PASS
		5240	NA	12.44	0.17	12.61	≤23.98	PASS
11AC40SISO	Ant1	5190	NA	13.38	0.22	13.60	≤23.98	PASS
		5230	NA	13.13	0.26	13.39	≤23.98	PASS
11AC80SISO	Ant1	5210	NA	10.65	1.20	11.85	≤23.98	PASS

Test Mode	Antenna	Freq(MHz)	TPC Mode	Measured Power [dBm]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	5180	NA	11.71	0.96	12.67	≤23.98	PASS
		5200	NA	11.71	0.96	12.67	≤23.98	PASS
		5240	NA	11.18	0.98	12.16	≤23.98	PASS
11N20SISO	Ant2	5180	NA	12.47	0.15	12.62	≤23.98	PASS
		5200	NA	12.47	0.13	12.60	≤23.98	PASS
		5240	NA	11.98	0.11	12.09	≤23.98	PASS
11N40SISO	Ant2	5190	NA	12.74	0.22	12.96	≤23.98	PASS
		5230	NA	12.28	0.26	12.54	≤23.98	PASS
11AC20SISO	Ant2	5180	NA	12.19	0.17	12.36	≤23.98	PASS
		5200	NA	10.97	0.11	11.08	≤23.98	PASS
		5240	NA	13.40	0.13	13.53	≤23.98	PASS
11AC40SISO	Ant2	5190	NA	14.43	0.22	14.65	≤23.98	PASS
		5230	NA	11.49	0.34	11.83	≤23.98	PASS
11AC80SISO	Ant2	5210	NA	13.62	0.60	14.22	≤23.98	PASS

MIMO

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5745	12.72	12.62	15.68	≤23.98	Pass
NVNT	n20	5785	12.96	12.60	15.79	≤23.98	Pass
NVNT	n20	5825	12.58	12.09	15.35	≤23.98	Pass
NVNT	n40	5755	13.48	12.96	16.24	≤23.98	Pass
NVNT	n40	5795	13.34	12.54	15.97	≤23.98	Pass
NVNT	ac20	5745	12.75	12.36	15.57	≤23.98	Pass
NVNT	ac20	5785	12.99	11.08	15.15	≤23.98	Pass
NVNT	ac20	5825	12.61	13.53	16.10	≤23.98	Pass
NVNT	ac40	5755	13.60	14.65	17.17	≤23.98	Pass
NVNT	ac40	5795	13.39	11.83	15.69	≤23.98	Pass
NVNT	ac80	5775	11.85	14.22	16.21	≤23.98	Pass

Note: offset=System attenuation +cabel loss

D.3 Maximum power spectral density

Test Result

TestMode	Antenna	Freq (MHz)	Raw Data [dBm/MHz]	DC Factor	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	0.51	0.10	0.61	≤11.00	PASS
		5200	1.15	0.10	1.25	≤11.00	PASS
		5240	1.35	0.12	1.47	≤11.00	PASS
11N20SISO	Ant1	5180	0.82	0.11	0.93	≤11.00	PASS
		5200	0.88	0.13	1.01	≤11.00	PASS
		5240	0.81	0.17	0.98	≤11.00	PASS
11N40SISO	Ant1	5190	-2.24	0.22	-2.02	≤11.00	PASS
		5230	-2.87	0.22	-2.65	≤11.00	PASS
11AC20SISO	Ant1	5180	0.48	0.15	0.63	≤11.00	PASS
		5200	0.51	0.15	0.66	≤11.00	PASS
		5240	0.2	0.17	0.37	≤11.00	PASS
11AC40SISO	Ant1	5190	-1.61	0.22	-1.39	≤11.00	PASS
		5230	-2.86	0.26	-2.60	≤11.00	PASS
11AC80SISO	Ant1	5210	-8.25	1.20	-7.05	≤11.00	PASS

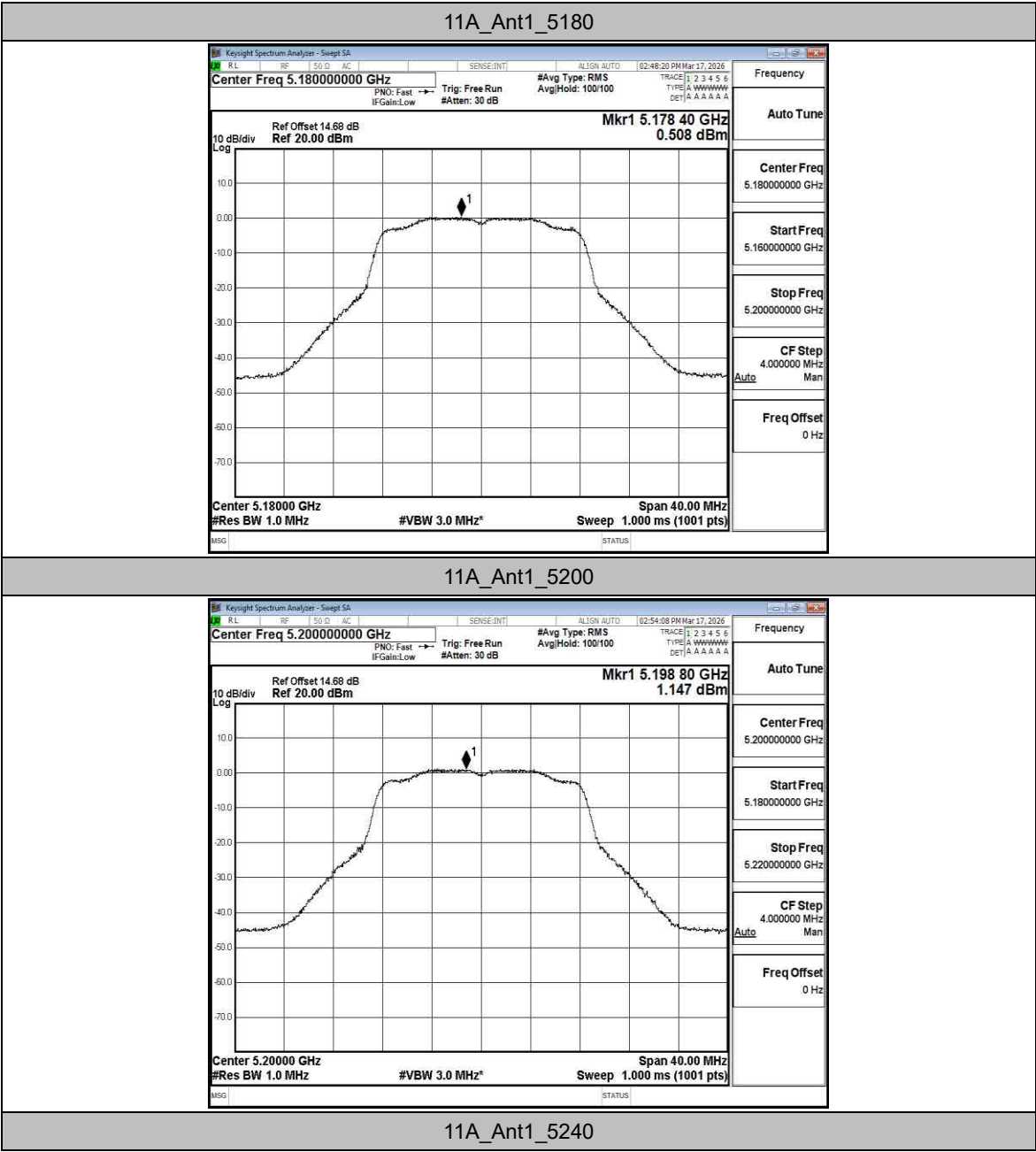
TestMode	Antenna	Freq (MHz)	Raw Data [dBm/MHz]	DC Factor	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant2	5180	-0.04	0.96	0.92	≤11.00	PASS
		5200	-0.39	0.96	0.57	≤11.00	PASS
		5240	-0.23	0.98	0.75	≤11.00	PASS
11N20SISO	Ant2	5180	0.73	0.15	0.88	≤11.00	PASS
		5200	0.6	0.13	0.73	≤11.00	PASS
		5240	0.38	0.11	0.49	≤11.00	PASS
11N40SISO	Ant2	5190	-2.92	0.22	-2.70	≤11.00	PASS
		5230	-3.15	0.26	-2.89	≤11.00	PASS
11AC20SISO	Ant2	5180	0.59	0.17	0.76	≤11.00	PASS
		5200	1.97	0.11	2.08	≤11.00	PASS
		5240	1.38	0.13	1.51	≤11.00	PASS
11AC40SISO	Ant2	5190	-1.34	0.22	-1.12	≤11.00	PASS
		5230	-1.43	0.34	-1.09	≤11.00	PASS
11AC80SISO	Ant2	5210	-5.19	0.60	-4.59	≤11.00	PASS

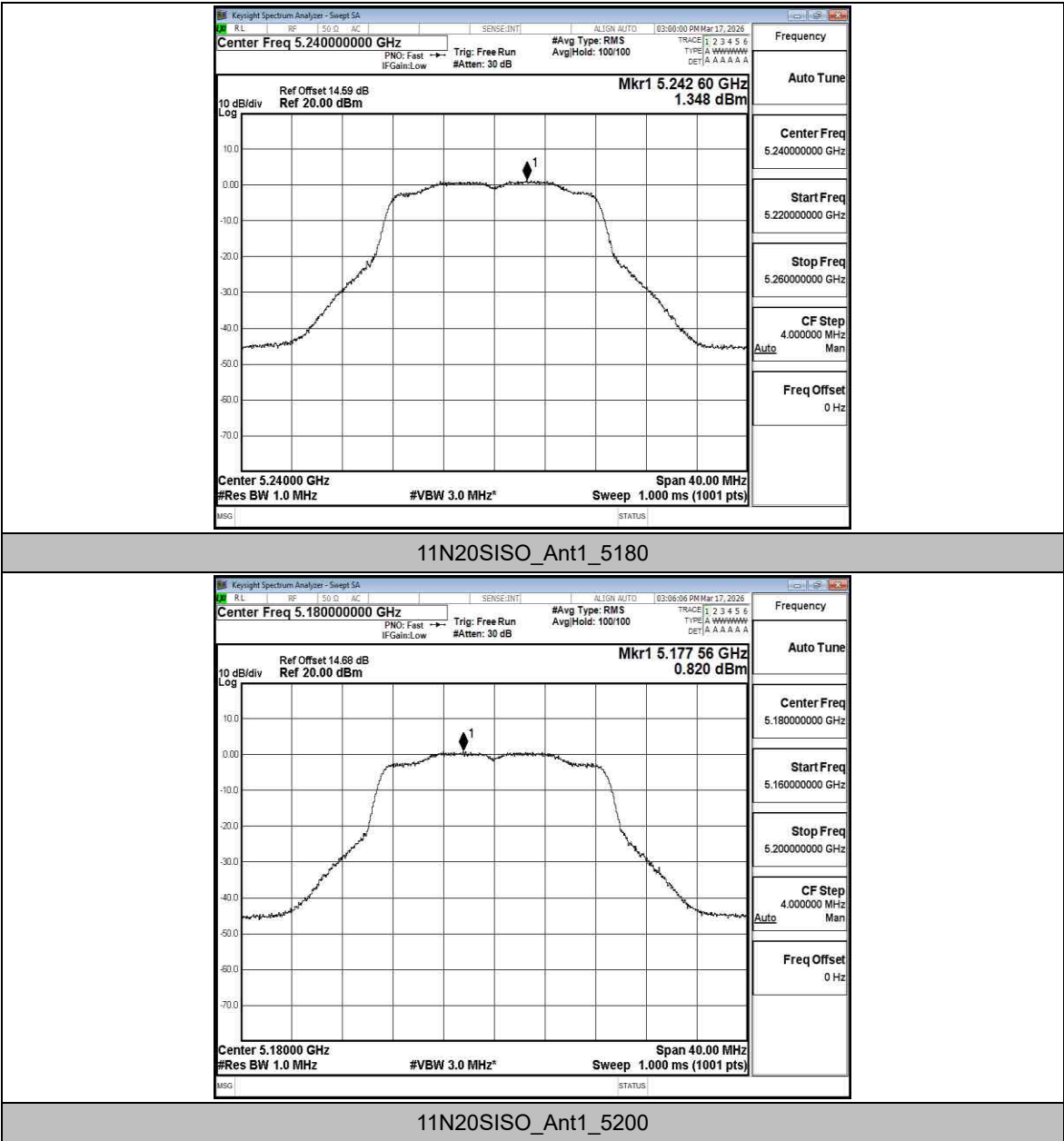
MIMO

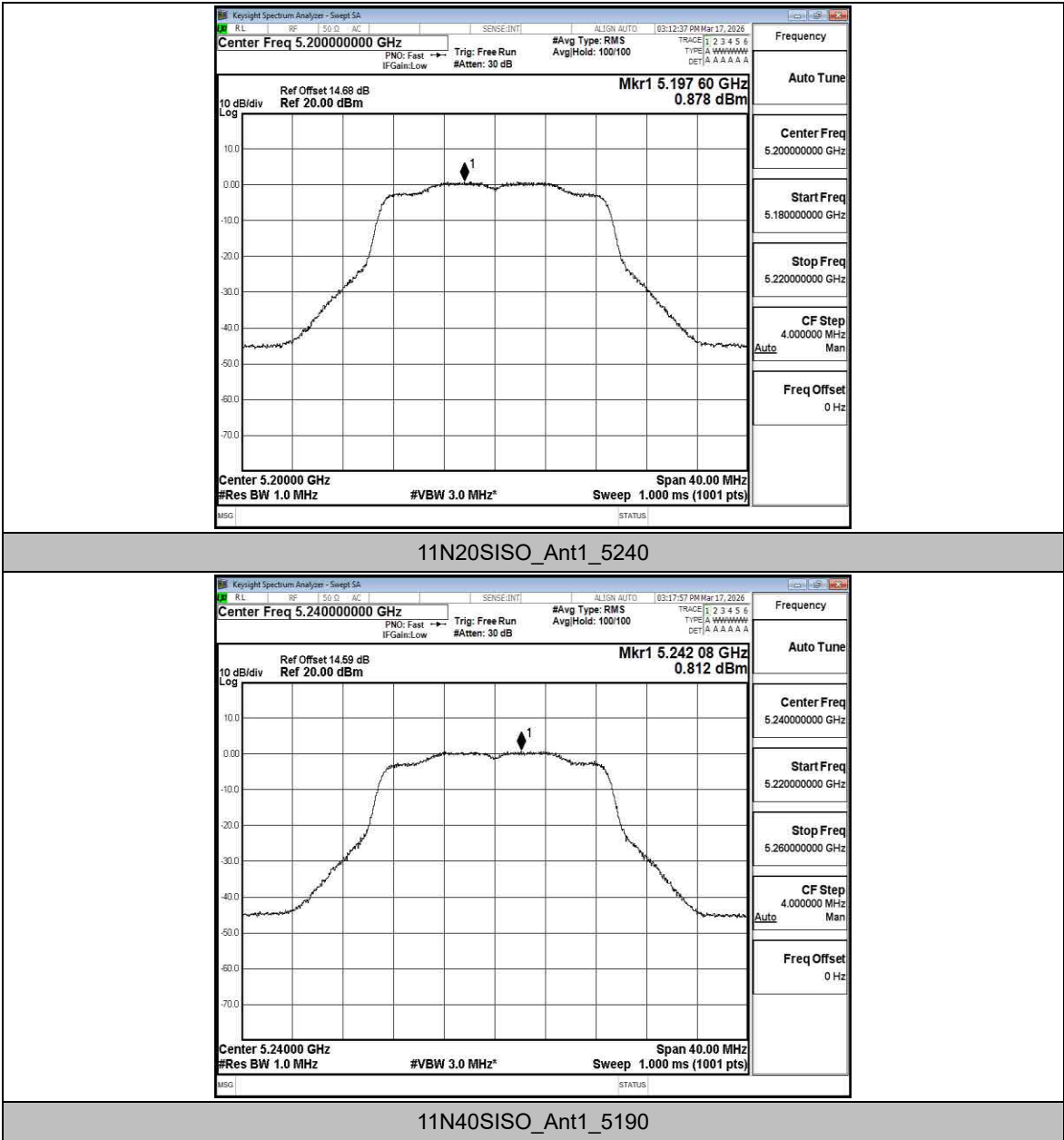
Condition	Mode	Frequency (MHz)	Total PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5180	0.93	-2.70	2.49	10.53	Pass
NVNT	n20	5200	1.01	-2.89	2.49	10.53	Pass
NVNT	n20	5240	0.98	0.76	3.88	10.53	Pass
NVNT	n40	5190	-2.02	2.08	3.51	10.53	Pass
NVNT	n40	5230	-2.65	1.51	2.92	10.53	Pass
NVNT	ac20	5180	0.63	-1.12	2.85	10.53	Pass
NVNT	ac20	5200	0.66	-1.09	2.88	10.53	Pass
NVNT	ac20	5240	0.37	-4.59	1.57	10.53	Pass
NVNT	ac40	5190	-1.39	-2.70	1.01	10.53	Pass
NVNT	ac40	5230	-2.60	-2.89	0.27	10.53	Pass
NVNT	ac80	5210	-7.05	0.76	1.43	10.53	Pass

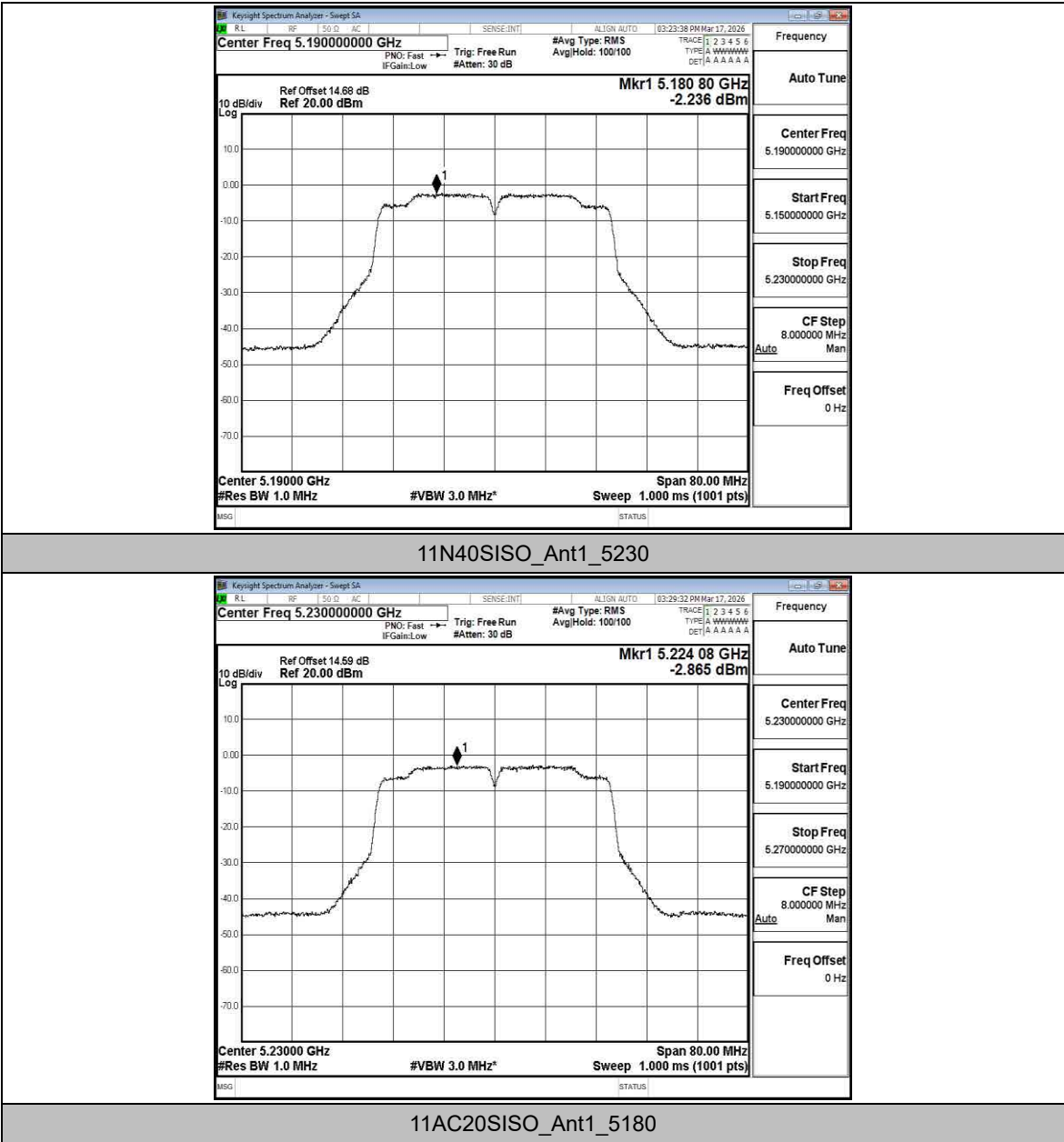
Note: offset=System attenuation +cabel loss

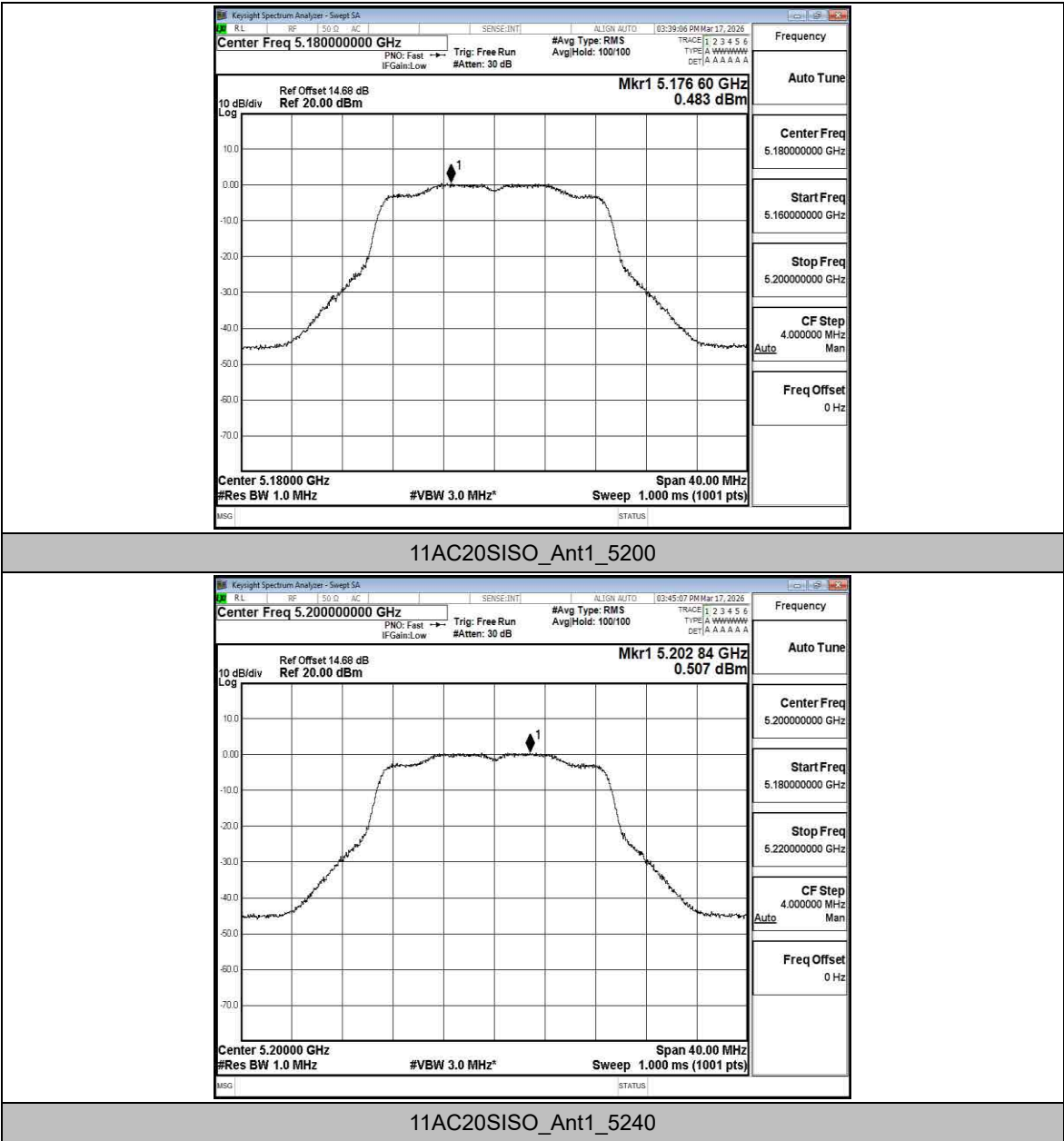
Test Graphs

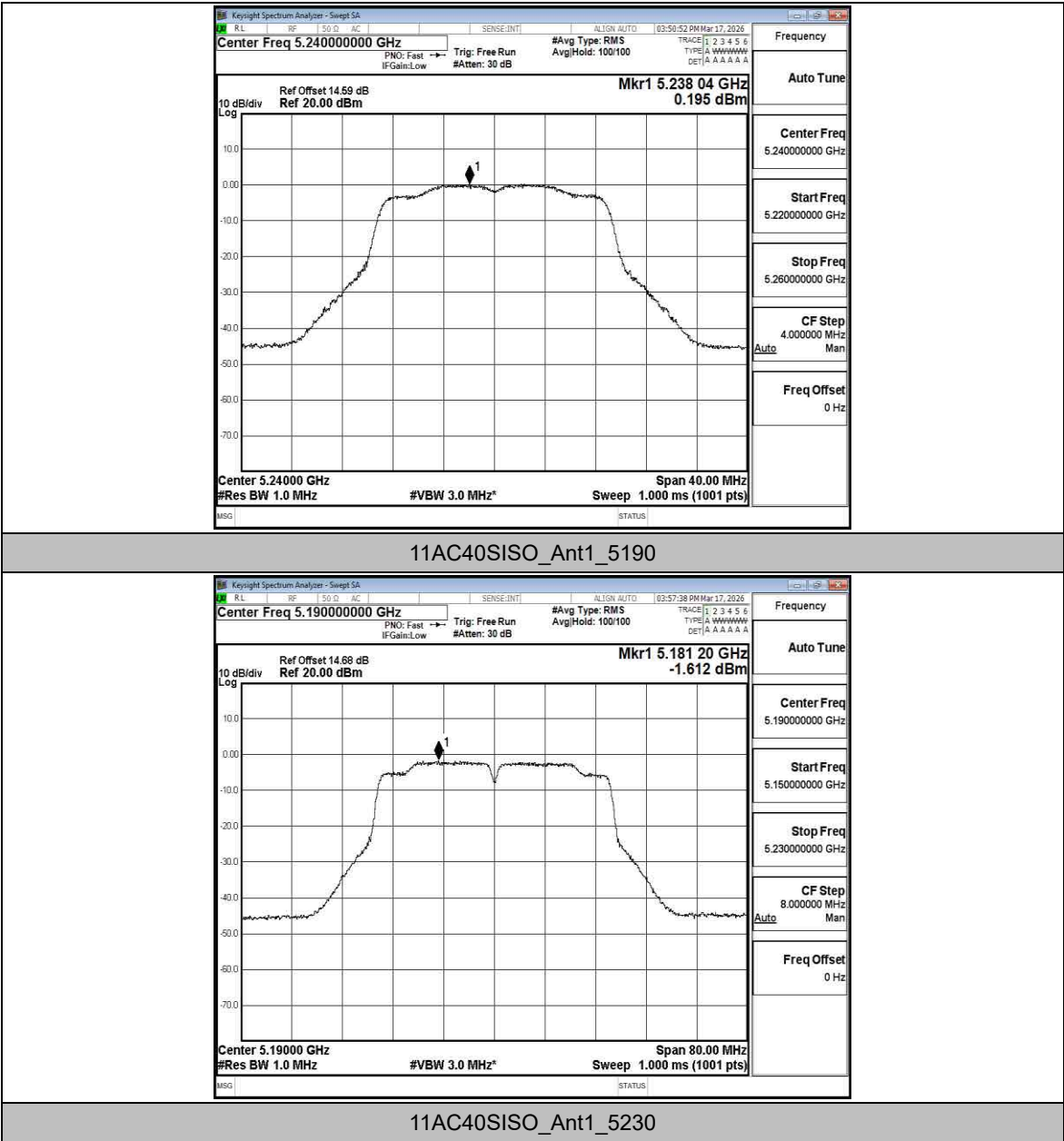


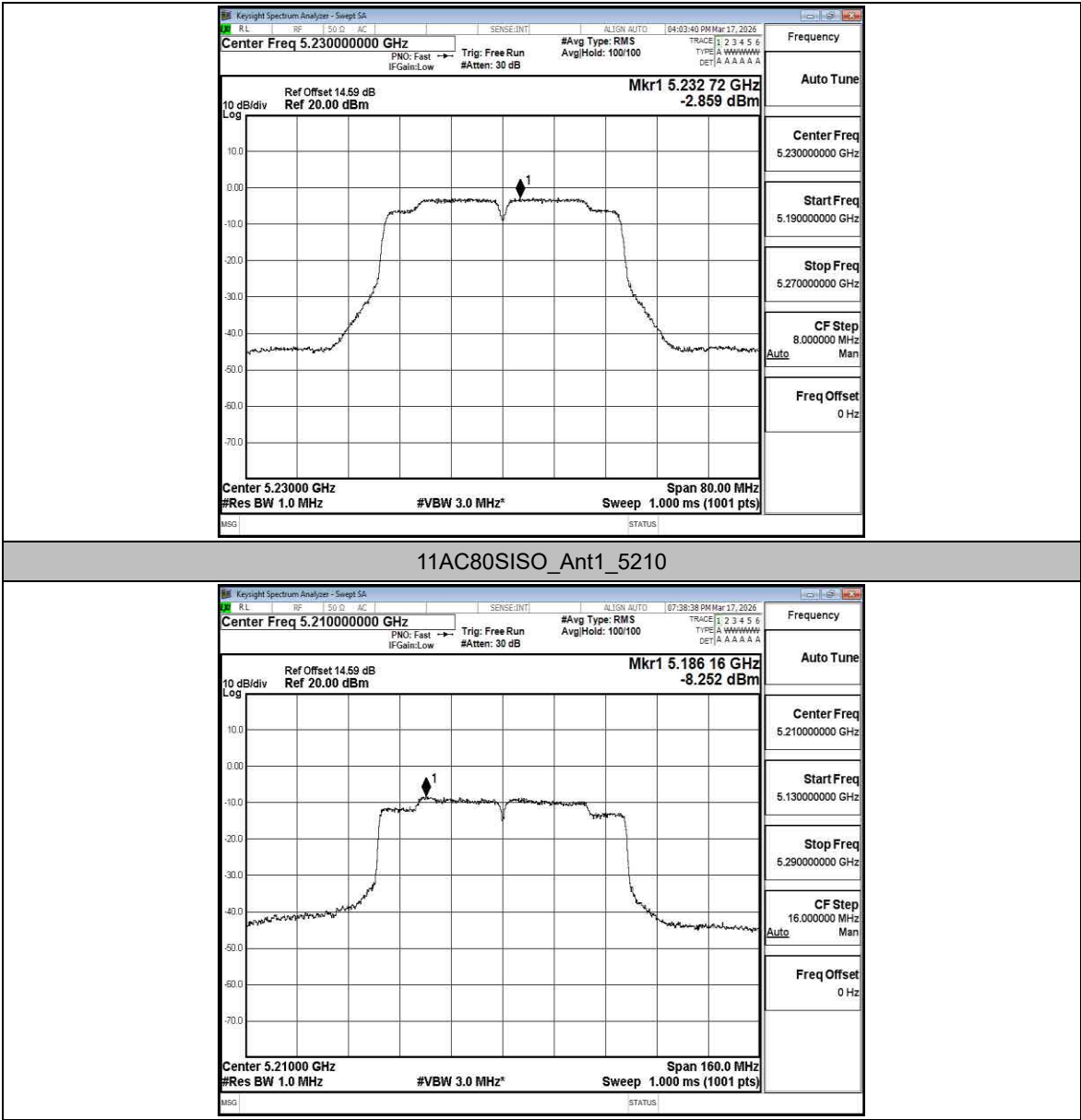




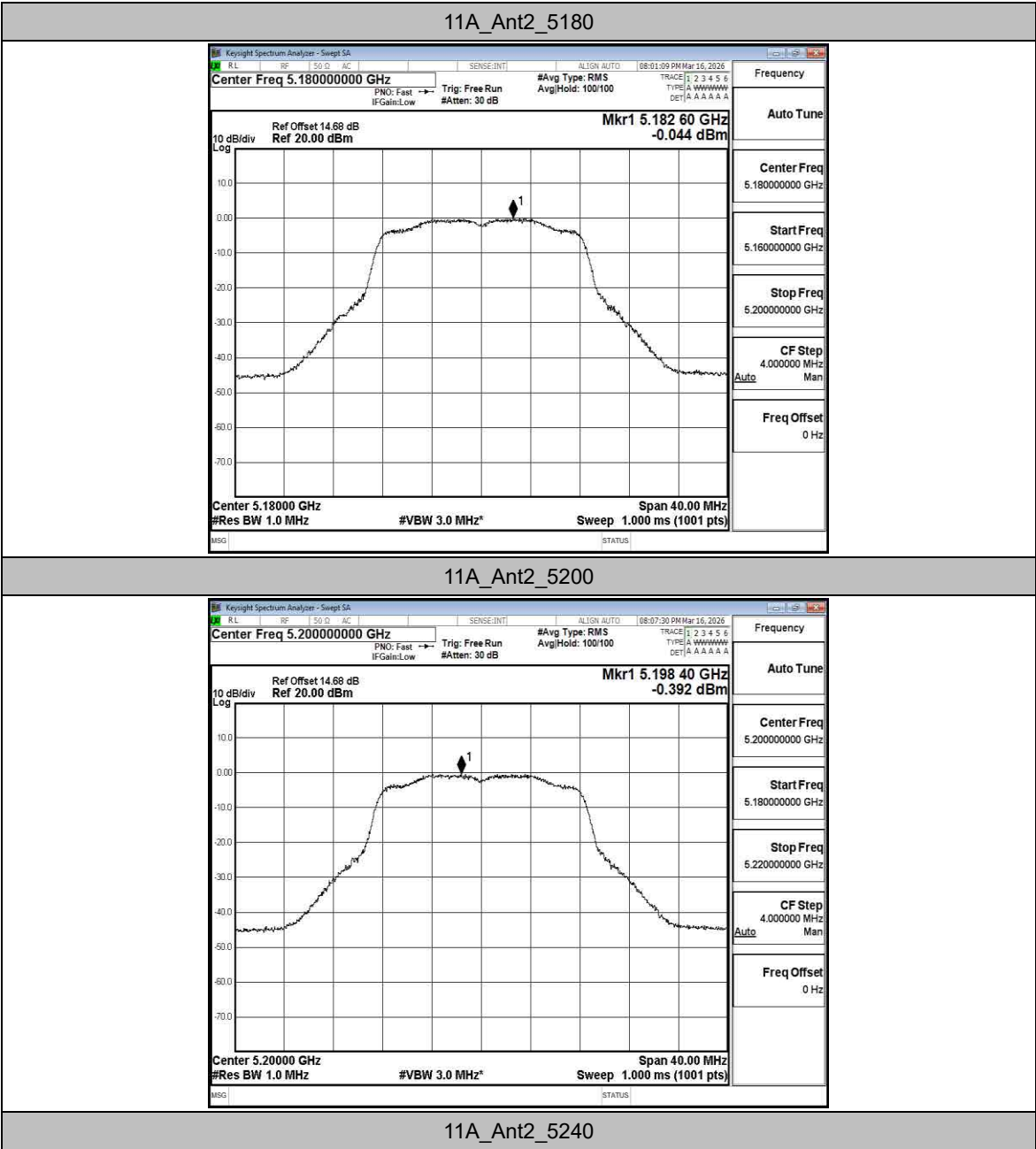


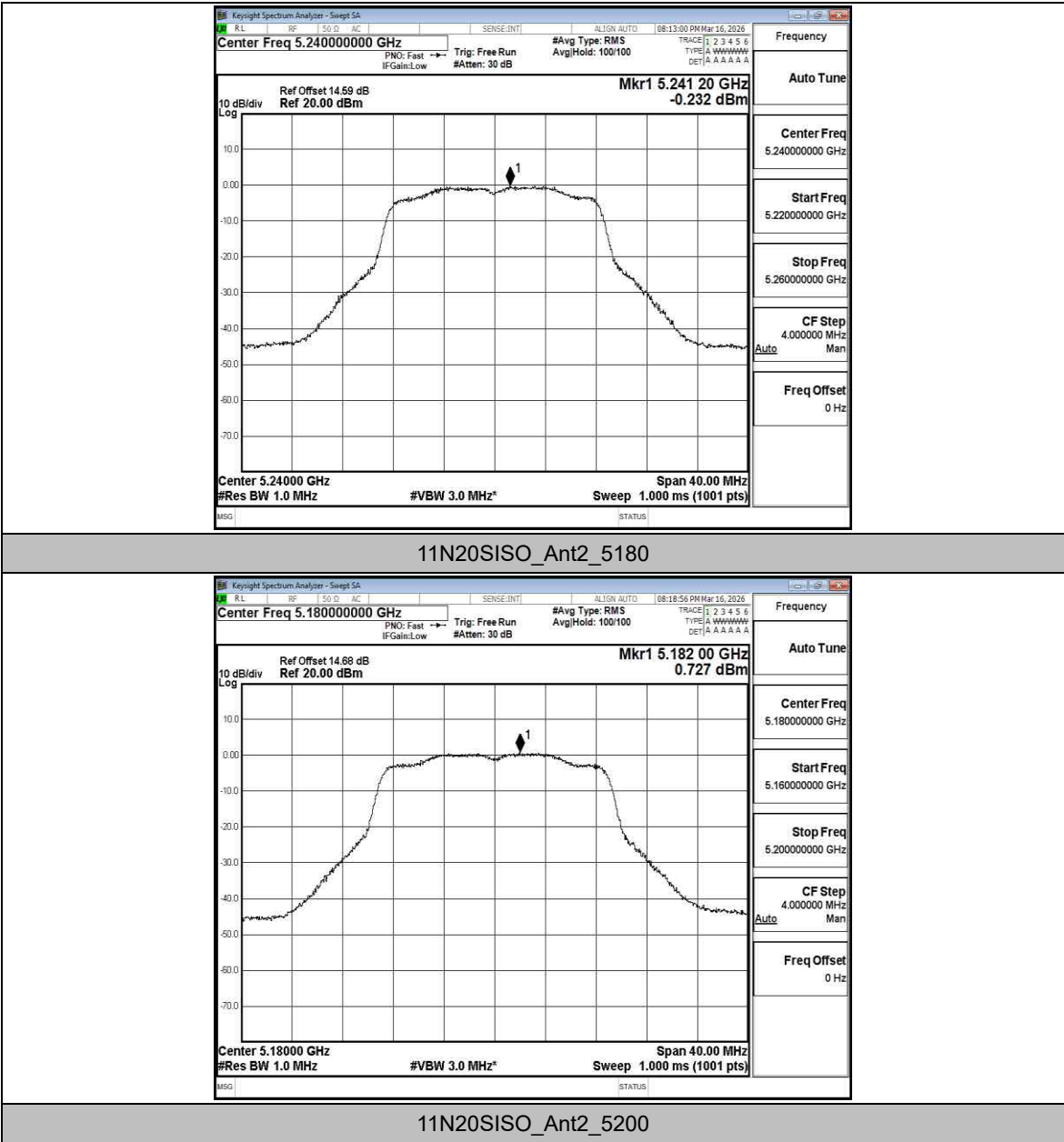


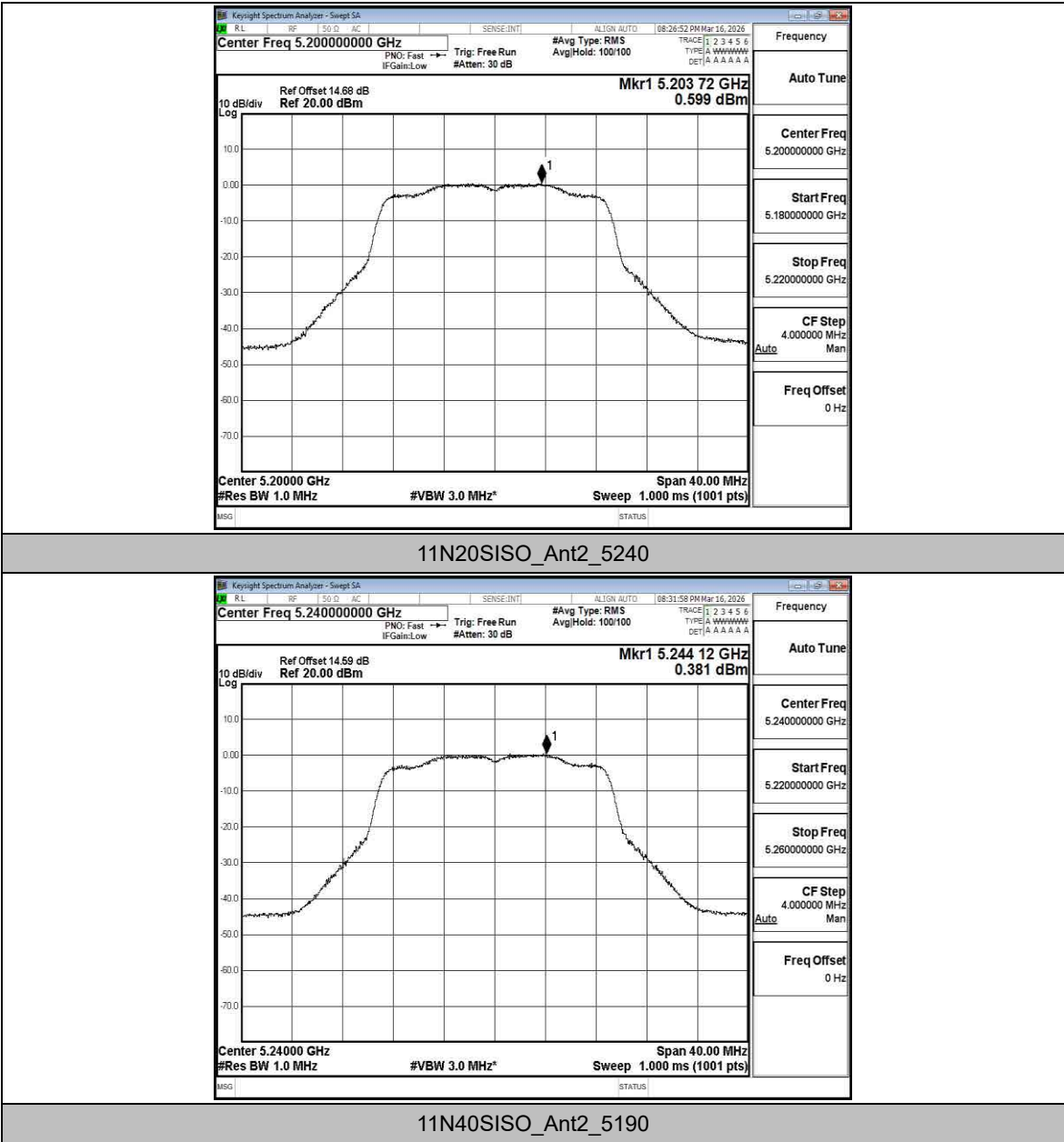


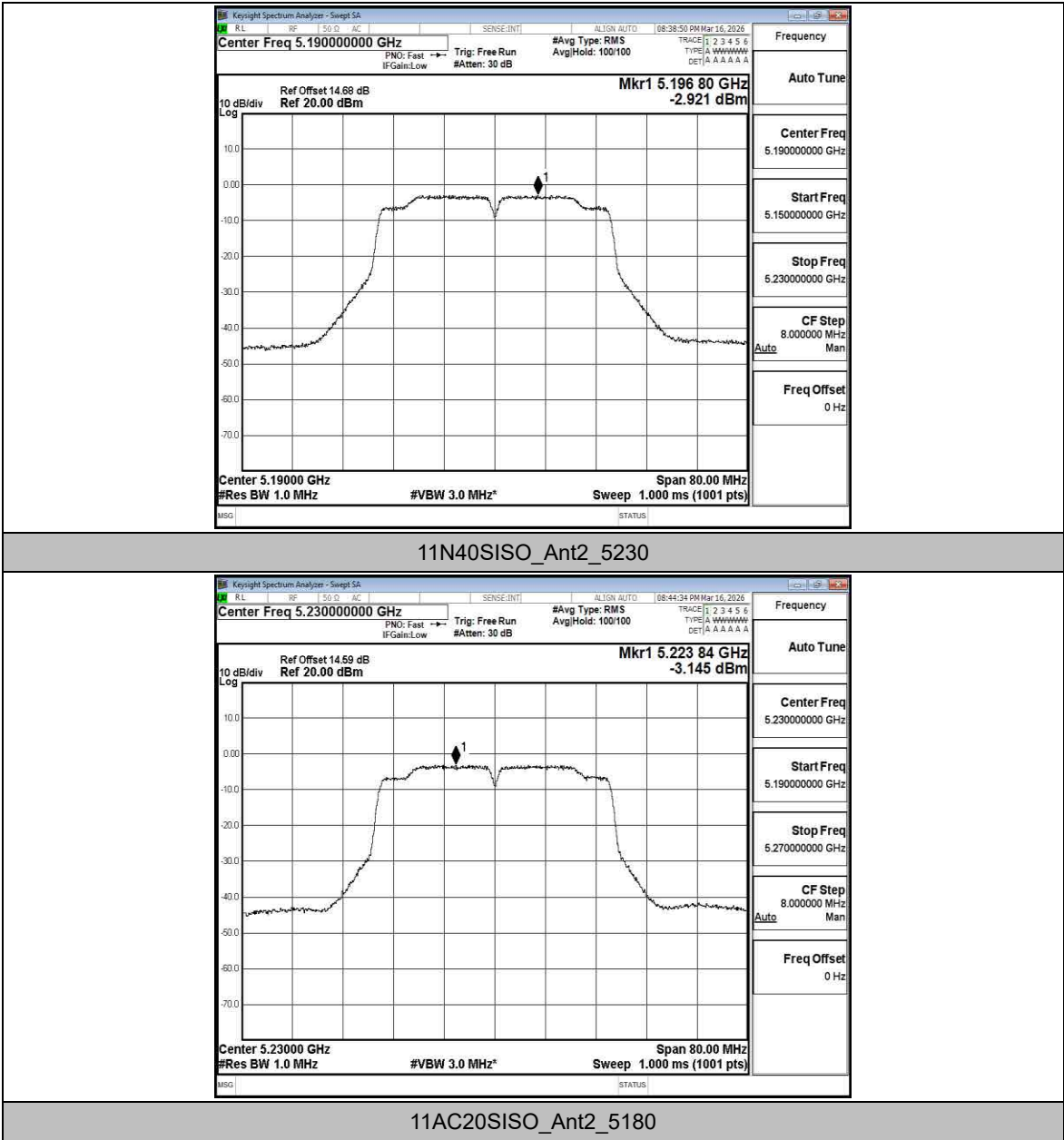


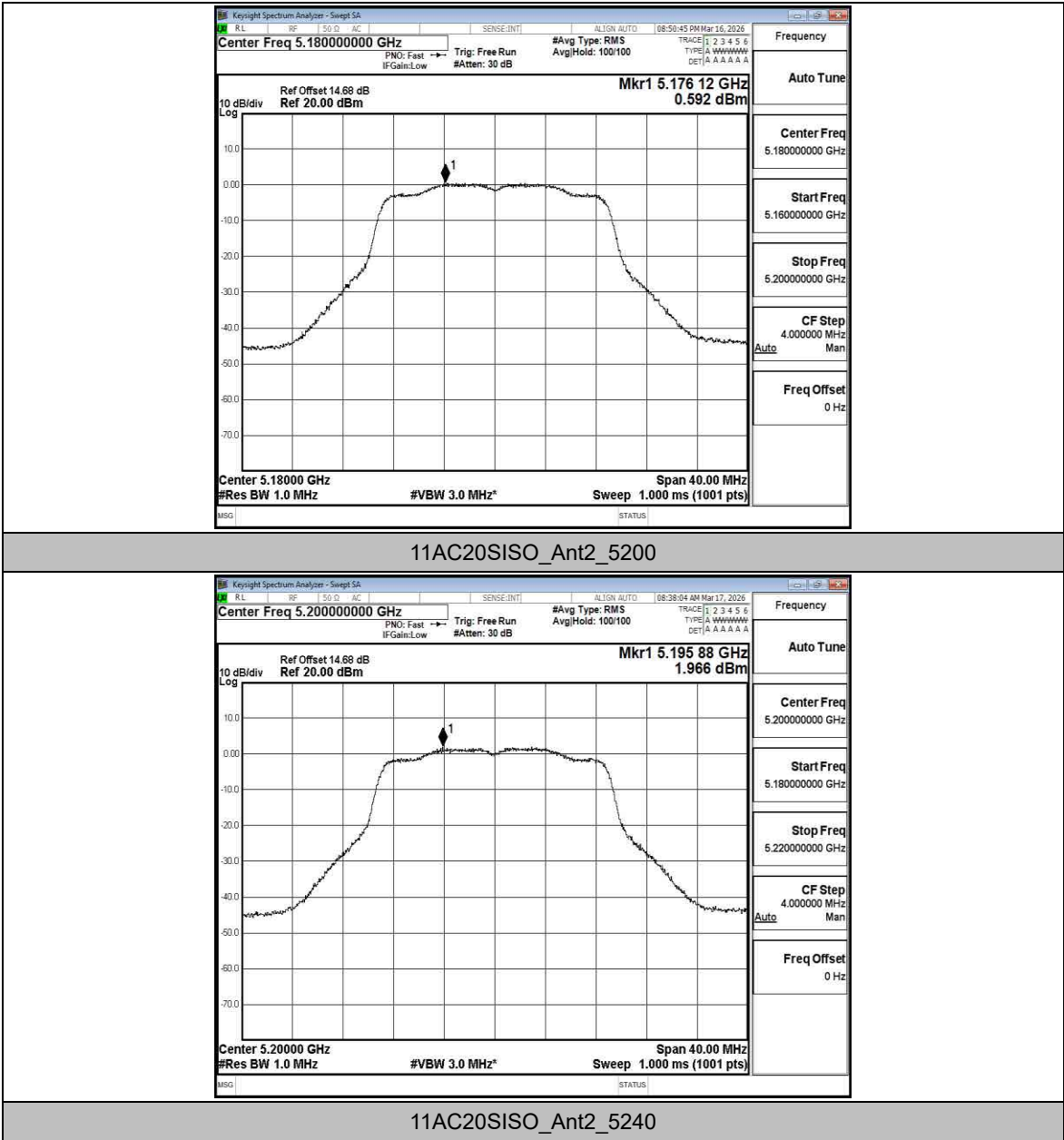
Test Graphs

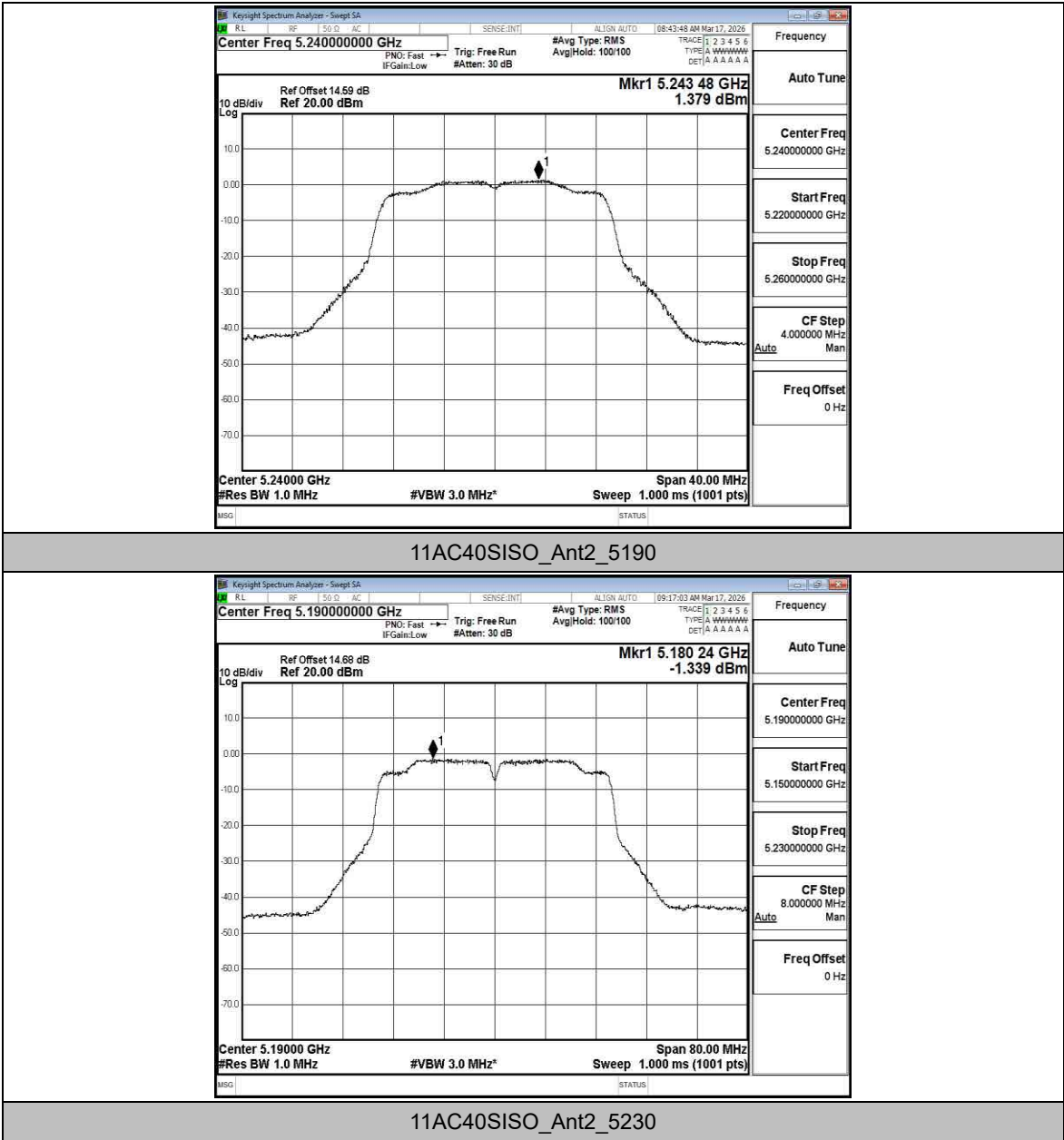


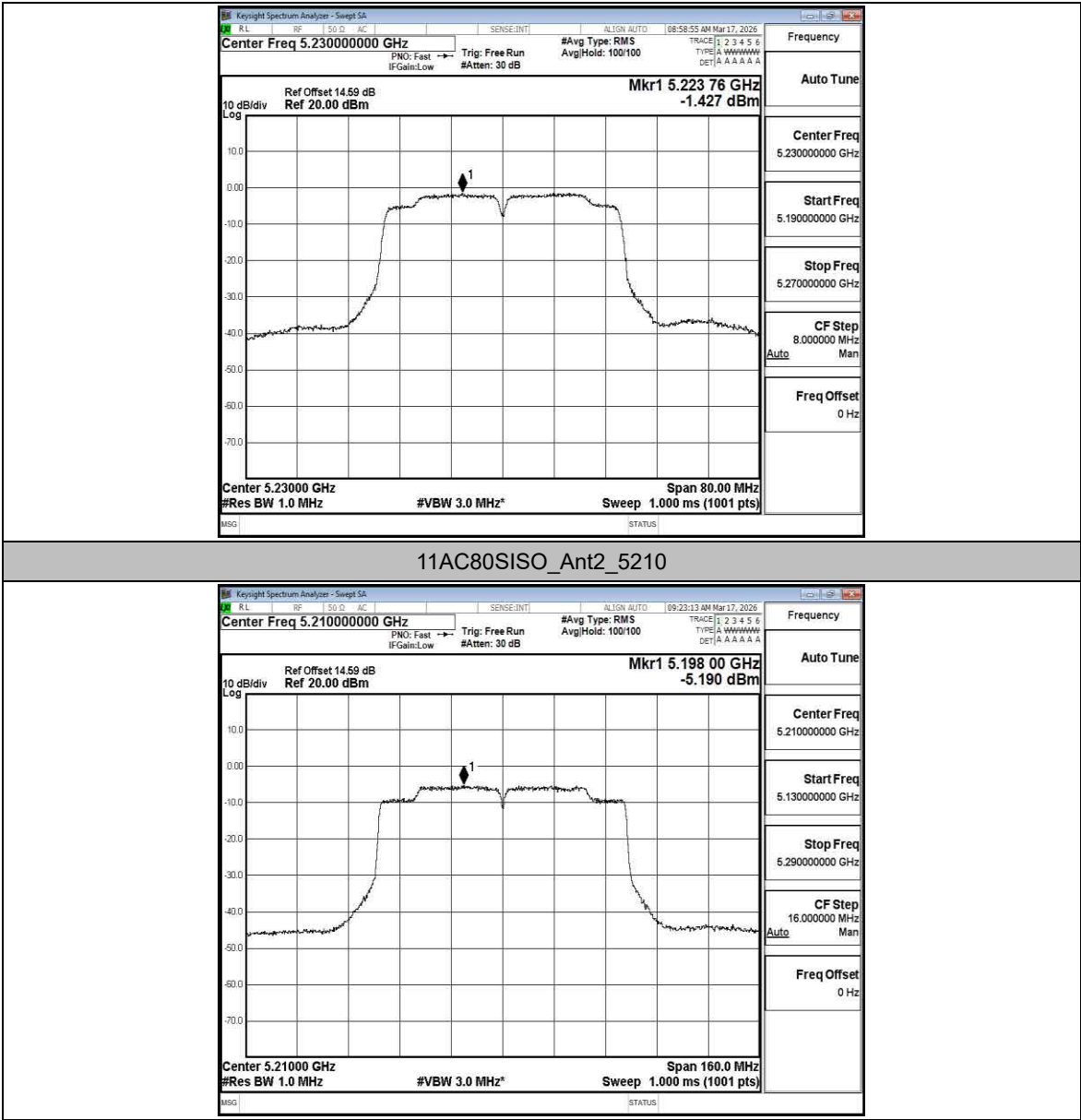












D.5 Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Freq(MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5200	NV	NT	-20000.00	-3.846154	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5240	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
11N20SISO	Ant1	5180	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5200	NV	NT	-20000.00	-3.846154	20	PASS
			LV	NT	-20000.00	-3.846154	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5240	NV	NT	-20000.00	-3.816794	20	PASS
			LV	NT	-20000.00	-3.816794	20	PASS
			HV	NT	0.00	0.000000	20	PASS
11N40SISO	Ant1	5190	NV	NT	-40000.00	-7.707129	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5230	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
11AC20SISO	Ant1	5180	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5200	NV	NT	-20000.00	-3.846154	20	PASS
			LV	NT	-20000.00	-3.846154	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5240	NV	NT	-20000.00	-3.816794	20	PASS
			LV	NT	20000.00	3.816794	20	PASS
			HV	NT	0.00	0.000000	20	PASS
11AC40SI	Ant1	5190	NV	NT	-40000.00	-7.707129	20	PASS

SO			LV	NT	-40000.00	-7.707129	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5230	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5210	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-80000.00	-15.355086	20	PASS
			HV	NT	-80000.00	-15.355086	20	PASS

Temperature								
TestMode	Antenna	Freq(MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.861004	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.861004	20	PASS
			NV	40	-20000.00	-3.861004	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5200	NV	-30	-20000.00	-3.846154	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-20000.00	-3.846154	20	PASS
		5240	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.816794	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.816794	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
11N20SISO	Ant1	5180	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS

			NV	-10	-20000.00	-3.861004	20	PASS
			NV	0	-20000.00	-3.861004	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5200	NV	-30	-20000.00	-3.846154	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	20000.00	3.846154	20	PASS
			NV	10	20000.00	3.846154	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.846154	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5240	NV	-30	0.00	0.000000	20	PASS
			NV	-20	20000.00	3.816794	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.816794	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5190	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-40000.00	-7.707129	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5230	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-40000.00	-7.648184	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS

			NV	40	0.00	0.000000	20	PASS
			NV	50	40000.00	7.648184	20	PASS
11AC20SI SO	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	20000.00	3.861004	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-20000.00	-3.861004	20	PASS
		5200	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.846154	20	PASS
			NV	30	-20000.00	-3.846154	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5240	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	40000.00	7.633588	20	PASS
			NV	10	-20000.00	-3.816794	20	PASS
			NV	20	20000.00	3.816794	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	20000.00	3.816794	20	PASS
			NV	50	-20000.00	-3.816794	20	PASS
11AC40SI SO	Ant1	5190	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5230	NV	-30	-40000.00	-7.648184	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS

			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	40000.00	7.648184	20	PASS
			NV	50	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5210	NV	-30	-80000.00	-15.355086	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-80000.00	-15.355086	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS

Voltage								
TestMode	Antenna	Freq(MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant2	5180	NV	NT	-20000.00	-3.861004	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5200	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5240	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
11N20SISO	Ant2	5180	NV	NT	20000.00	3.861004	20	PASS
			LV	NT	20000.00	3.861004	20	PASS
			HV	NT	40000.00	7.722008	20	PASS
		5200	NV	NT	0.00	0.000000	20	PASS
			LV	NT	20000.00	3.846154	20	PASS
			HV	NT	40000.00	7.692308	20	PASS
		5240	NV	NT	20000.00	3.816794	20	PASS
			LV	NT	20000.00	3.816794	20	PASS
			HV	NT	20000.00	3.816794	20	PASS
11N40SISO	Ant2	5190	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5230	NV	NT	-40000.00	-7.648184	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
11AC20SISO	Ant2	5180	NV	NT	-20000.00	-3.861004	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5200	NV	NT	-40000.00	-7.692308	20	PASS
			LV	NT	-40000.00	-7.692308	20	PASS
			HV	NT	-20000.00	-3.846154	20	PASS
		5240	NV	NT	-20000.00	-3.816794	20	PASS
			LV	NT	-20000.00	-3.816794	20	PASS
			HV	NT	-20000.00	-3.816794	20	PASS
11AC40SISO	Ant2	5190	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5230	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-40000.00	-7.648184	20	PASS

			HV	NT	0.00	0.000000	20	PASS
11AC80SI SO	Ant2	5210	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS

Temperature								
TestMode	Antenna	Freq(MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant2	5180	NV	-30	-20000.00	-3.861004	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	20000.00	3.861004	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	20000.00	3.861004	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	20000.00	3.861004	20	PASS
		5200	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	20000.00	3.846154	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	20000.00	3.846154	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5240	NV	-30	-20000.00	-3.816794	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	20000.00	3.816794	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	20000.00	3.816794	20	PASS
11N20SIS O	Ant2	5180	NV	-30	40000.00	7.722008	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.861004	20	PASS
			NV	10	20000.00	3.861004	20	PASS
			NV	20	0.00	0.000000	20	PASS

			NV	30	20000.00	3.861004	20	PASS
			NV	40	20000.00	3.861004	20	PASS
			NV	50	20000.00	3.861004	20	PASS
		5200	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	20000.00	3.846154	20	PASS
			NV	10	20000.00	3.846154	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	20000.00	3.846154	20	PASS
			NV	50	20000.00	3.846154	20	PASS
		5240	NV	-30	20000.00	3.816794	20	PASS
			NV	-20	40000.00	7.633588	20	PASS
			NV	-10	40000.00	7.633588	20	PASS
			NV	0	20000.00	3.816794	20	PASS
			NV	10	40000.00	7.633588	20	PASS
			NV	20	20000.00	3.816794	20	PASS
			NV	30	20000.00	3.816794	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	40000.00	7.633588	20	PASS
11N40SIS O	Ant2	5190	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5230	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	40000.00	7.648184	20	PASS
			NV	50	0.00	0.000000	20	PASS
11AC20SI SO	Ant2	5180	NV	-30	20000.00	3.861004	20	PASS
			NV	-20	20000.00	3.861004	20	PASS

			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	20000.00	3.861004	20	PASS
		5200	NV	-30	-60000.00	-11.538462	20	PASS
			NV	-20	-40000.00	-7.692308	20	PASS
			NV	-10	-20000.00	-3.846154	20	PASS
			NV	0	-40000.00	-7.692308	20	PASS
			NV	10	-20000.00	-3.846154	20	PASS
			NV	20	-40000.00	-7.692308	20	PASS
			NV	30	-40000.00	-7.692308	20	PASS
			NV	40	-40000.00	-7.692308	20	PASS
			NV	50	-40000.00	-7.692308	20	PASS
		5240	NV	-30	-20000.00	-3.816794	20	PASS
			NV	-20	-20000.00	-3.816794	20	PASS
			NV	-10	-20000.00	-3.816794	20	PASS
			NV	0	-20000.00	-3.816794	20	PASS
			NV	10	-20000.00	-3.816794	20	PASS
			NV	20	-20000.00	-3.816794	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.816794	20	PASS
			NV	50	-20000.00	-3.816794	20	PASS
11AC40SI SO	Ant2	5190	NV	-30	-40000.00	-7.707129	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-40000.00	-7.707129	20	PASS
			NV	30	0.00	0.000000	20	PASS
		5230	NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
			NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-40000.00	-7.648184	20	PASS
			NV	30	0.00	0.000000	20	PASS

			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
11AC80SI SO	Ant2	5210	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-80000.00	-15.355086	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-80000.00	-15.355086	20	PASS
			NV	50	0.00	0.000000	20	PASS

D.4 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Freq (MHz)	Detector	Freq [MHz]	Result [dBm]	Gain [dBi]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5180	AV	4500.000	-66.2	3.42	0.10	32.52	≤54	PASS
				AV	5146.800	-61.98	3.42	0.10	36.74	≤54	PASS
				AV	5150.000	-61.65	3.42	0.10	37.07	≤54	PASS
				Peak	4500.000	-59.3	3.42	0.00	39.32	≤68.2	PASS
				Peak	5148.200	-51.71	3.42	0.00	46.91	≤68.2	PASS
				Peak	5150.000	-53.07	3.42	0.00	45.55	≤68.2	PASS
		High	5240	AV	5350.000	-63.21	3.42	0.12	35.53	≤54	PASS
				AV	5398.080	-60.74	3.42	0.12	38.00	≤54	PASS
				AV	5460.000	-61.7	3.42	0.12	37.04	≤54	PASS
				Peak	5350.000	-55.51	3.42	0.00	43.11	≤68.2	PASS
				Peak	5431.680	-50.34	3.42	0.00	48.28	≤68.2	PASS
				Peak	5460.000	-53.75	3.42	0.00	44.87	≤68.2	PASS
11N20SISO	Ant1	Low	5180	AV	4500.000	-66.47	3.42	0.11	32.26	≤54	PASS
				AV	5149.600	-60.3	3.42	0.11	38.43	≤54	PASS
				AV	5150.000	-60.49	3.42	0.11	38.24	≤54	PASS
				Peak	4500.000	-58.29	3.42	0.00	40.33	≤68.2	PASS
				Peak	5133.500	-50.78	3.42	0.00	47.84	≤68.2	PASS
				Peak	5150.000	-50.21	3.42	0.00	48.41	≤68.2	PASS
		High	5240	AV	5350.000	-63.68	3.42	0.17	35.11	≤54	PASS
				AV	5394.240	-60.63	3.42	0.17	38.16	≤54	PASS
				AV	5460.000	-61.38	3.42	0.17	37.41	≤54	PASS
				Peak	5350.000	-54.66	3.42	0.00	43.96	≤68.2	PASS
				Peak	5395.440	-50.32	3.42	0.00	48.30	≤68.2	PASS
				Peak	5460.000	-51.66	3.42	0.00	46.96	≤68.2	PASS
11N40SISO	Ant1	Low	5190	AV	4500.000	-67.18	3.42	0.22	31.66	≤54	PASS
				AV	5149.600	-57.22	3.42	0.22	41.62	≤54	PASS
				AV	5150.000	-57.59	3.42	0.22	41.25	≤54	PASS
				Peak	4500.000	-59.69	3.42	0.00	38.93	≤68.2	PASS
				Peak	5149.600	-48.43	3.42	0.00	50.19	≤68.2	PASS
				Peak	5150.000	-47.11	3.42	0.00	51.51	≤68.2	PASS
		High	5230	AV	5350.000	-62.81	3.42	0.22	36.03	≤54	PASS
				AV	5458.180	-58.99	3.42	0.22	39.85	≤54	PASS
				AV	5460.000	-60.48	3.42	0.22	38.36	≤54	PASS
				Peak	5350.000	-54.7	3.42	0.00	43.92	≤68.2	PASS

				Peak	5455.060	-48.76	3.42	0.00	49.86	≤68.2	PASS
				Peak	5460.000	-51.51	3.42	0.00	47.11	≤68.2	PASS
11AC20SISO	Ant1	Low	5180	AV	4500.000	-67.12	3.42	0.15	31.65	≤54	PASS
				AV	5149.600	-60.89	3.42	0.15	37.88	≤54	PASS
				AV	5150.000	-60.46	3.42	0.15	38.31	≤54	PASS
				Peak	4500.000	-58.47	3.42	0.00	40.15	≤68.2	PASS
				Peak	5148.900	-51.68	3.42	0.00	46.94	≤68.2	PASS
				Peak	5150.000	-52.19	3.42	0.00	46.43	≤68.2	PASS
		High	5240	AV	5350.000	-63.04	3.42	0.17	35.75	≤54	PASS
				AV	5397.360	-60.57	3.42	0.17	38.22	≤54	PASS
				AV	5460.000	-61.74	3.42	0.17	37.05	≤54	PASS
				Peak	5350.000	-55.23	3.42	0.00	43.39	≤68.2	PASS
				Peak	5444.640	-50.69	3.42	0.00	47.93	≤68.2	PASS
				Peak	5460.000	-53.81	3.42	0.00	44.81	≤68.2	PASS
11AC40SISO	Ant1	Low	5190	AV	4500.000	-66.27	3.42	0.22	32.57	≤54	PASS
				AV	5149.600	-57.89	3.42	0.22	40.95	≤54	PASS
				AV	5150.000	-58.04	3.42	0.22	40.80	≤54	PASS
				Peak	4500.000	-59	3.42	0.00	39.62	≤68.2	PASS
				Peak	5144.000	-47.51	3.42	0.00	51.11	≤68.2	PASS
				Peak	5150.000	-49.28	3.42	0.00	49.34	≤68.2	PASS
		High	5230	AV	5350.000	-61.83	3.42	0.26	37.05	≤54	PASS
				AV	5455.840	-58.34	3.42	0.26	40.54	≤54	PASS
				AV	5460.000	-59.95	3.42	0.26	38.93	≤54	PASS
				Peak	5350.000	-53.38	3.42	0.00	45.24	≤68.2	PASS
				Peak	5454.020	-48.1	3.42	0.00	50.52	≤68.2	PASS
				Peak	5460.000	-50.03	3.42	0.00	48.59	≤68.2	PASS
11AC80SISO	Ant1	Low	5210	AV	4500.000	-66.91	3.42	1.20	32.91	≤54	PASS
				AV	5148.750	-56.84	3.42	1.20	42.98	≤54	PASS
				AV	5150.000	-57.67	3.42	1.20	42.15	≤54	PASS
				Peak	4500.000	-59.38	3.42	0.00	39.24	≤68.2	PASS
				Peak	5118.000	-45.52	3.42	0.00	53.10	≤68.2	PASS
				Peak	5150.000	-47.73	3.42	0.00	50.89	≤68.2	PASS
		High	5210	AV	5350.000	-55.66	3.42	1.20	44.16	≤54	PASS
				AV	5352.760	-55.12	3.42	1.20	44.70	≤54	PASS
				AV	5460.000	-60.05	3.42	1.20	39.77	≤54	PASS
				Peak	5350.000	-44.95	3.42	0.00	53.67	≤68.2	PASS
				Peak	5350.800	-43.22	3.42	0.00	55.40	≤68.2	PASS
				Peak	5460.000	-51.59	3.42	0.00	47.03	≤68.2	PASS

Note: offset=System attenuation +cabal loss

Test Graphs

