

Case No. : <u>GTS20260821017-1-02</u>	
Ambient Condition: <u>23</u> °C, <u>51</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2026.8.27-2026.9.14</u>	Test Engineer: <u>Evan ouyang</u>

Appendix B.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.880	5170.120	5190.000	---	---
		5200	20.120	5189.960	5210.080	---	---
		5240	19.880	5230.120	5250.000	---	---
11N20SISO	Ant1	5180	20.320	5169.880	5190.200	---	---
		5200	20.320	5189.840	5210.160	---	---
		5240	20.320	5229.920	5250.240	---	---
11N40SISO	Ant1	5190	40.640	5169.760	5210.400	---	---
		5230	40.320	5209.840	5250.160	---	---
11AC20SISO	Ant1	5180	20.360	5169.920	5190.280	---	---
		5200	20.240	5189.920	5210.160	---	---
		5240	20.200	5229.920	5250.120	---	---
11AC40SISO	Ant1	5190	40.480	5169.840	5210.320	---	---
		5230	40.640	5209.760	5250.400	---	---

Test Graphs





11N20SISO_Ant1_5180



11N20SISO_Ant1_5200







11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



Appendix B.2: Occupied channel bandwidth

Test Result

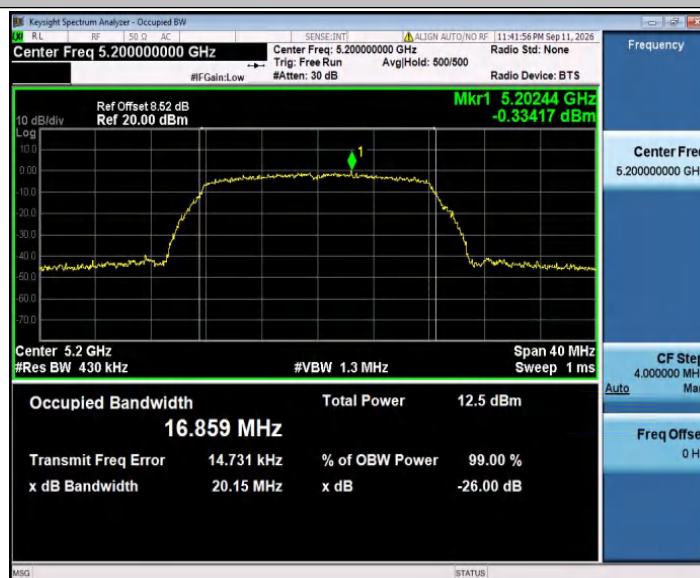
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.849	5171.6138	5188.4628	---	---
		5200	16.859	5191.5852	5208.4442	---	---
		5240	16.852	5231.6019	5248.4539	---	---
11N20SISO	Ant1	5180	17.858	5171.1005	5188.9585	---	---
		5200	17.795	5191.0992	5208.8942	---	---
		5240	17.825	5231.0973	5248.9223	---	---
11N40SISO	Ant1	5190	36.181	5171.9554	5208.1364	---	---
		5230	36.251	5211.9946	5248.2456	---	---
11AC20SISO	Ant1	5180	17.846	5171.1082	5188.9542	---	---
		5200	17.858	5191.0895	5208.9475	---	---
		5240	17.802	5231.1095	5248.9115	---	---
11AC40SISO	Ant1	5190	36.266	5171.9445	5208.2105	---	---
		5230	36.227	5211.9423	5248.1693	---	---

Test Graphs

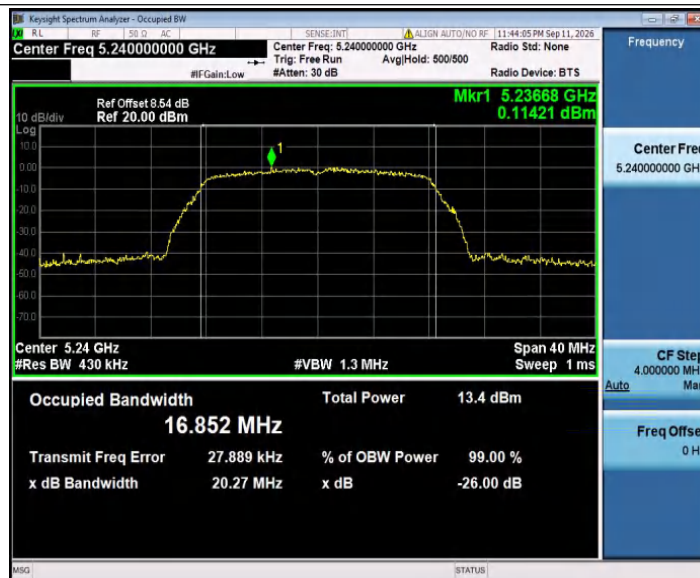
11A_Ant1_5180



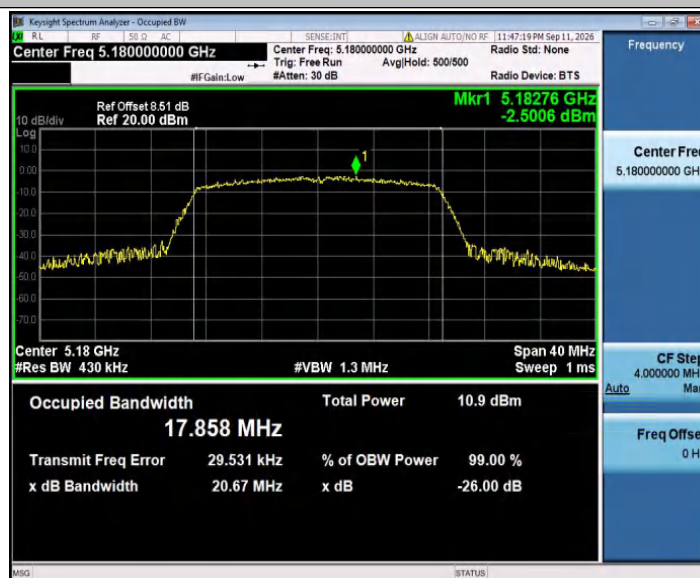
11A_Ant1_5200



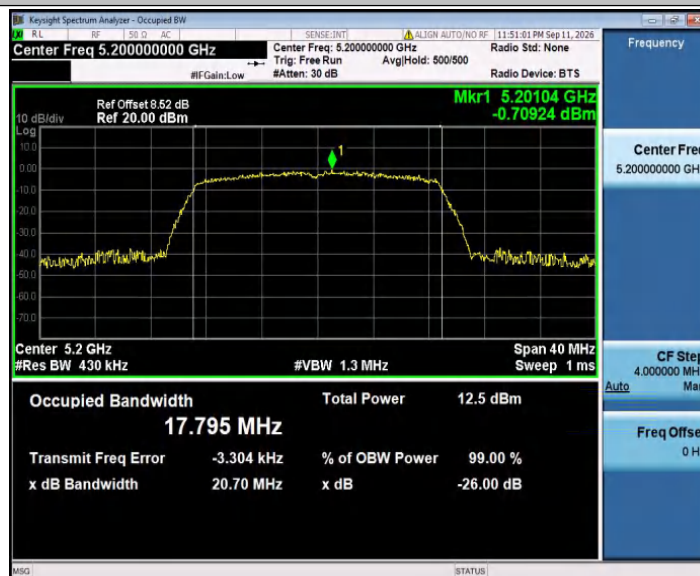
11A_Ant1_5240



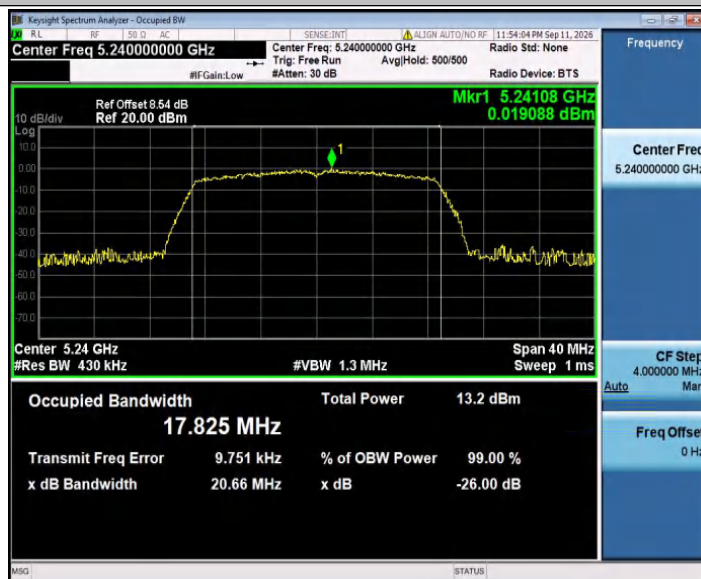
11N20SISO_Ant1_5180



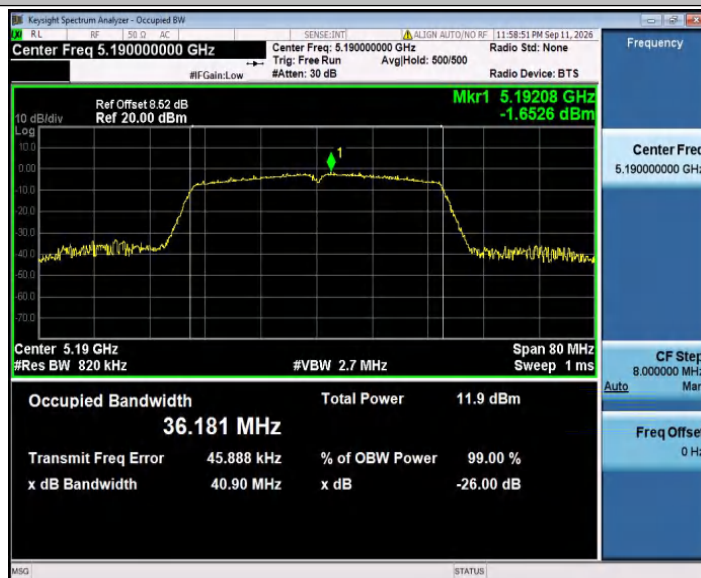
11N20SISO_Ant1_5200



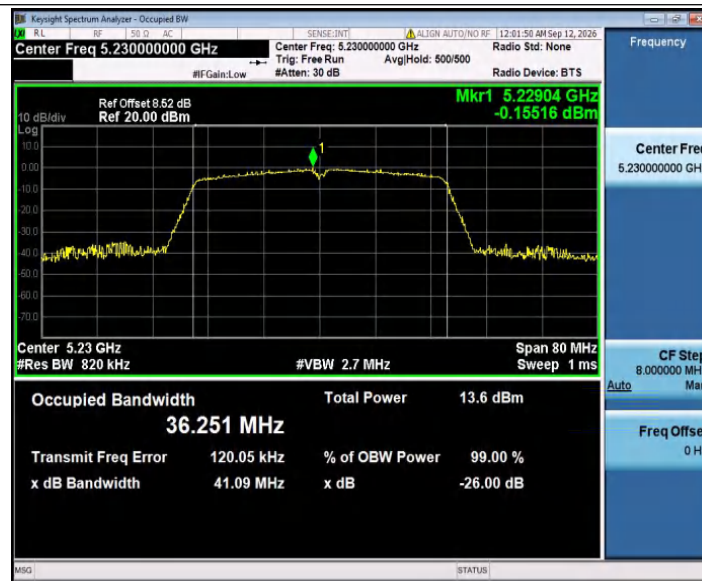
11N20SISO_Ant1_5240



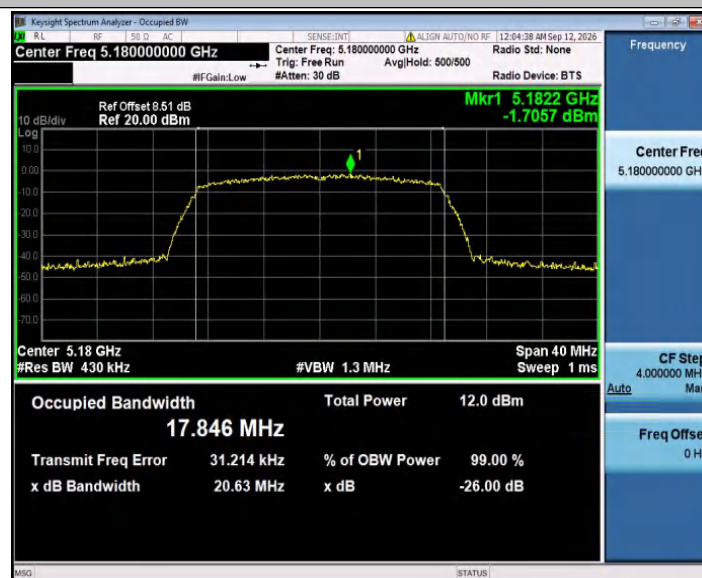
11N40SISO_Ant1_5190



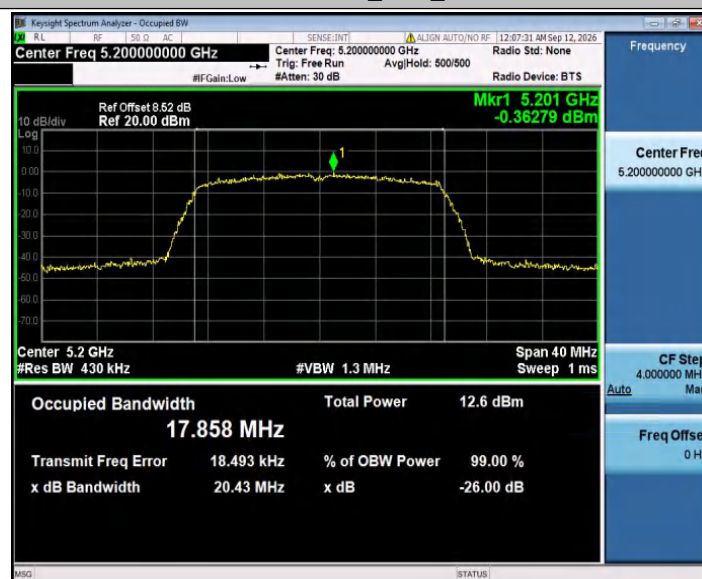
11N40SISO_Ant1_5230

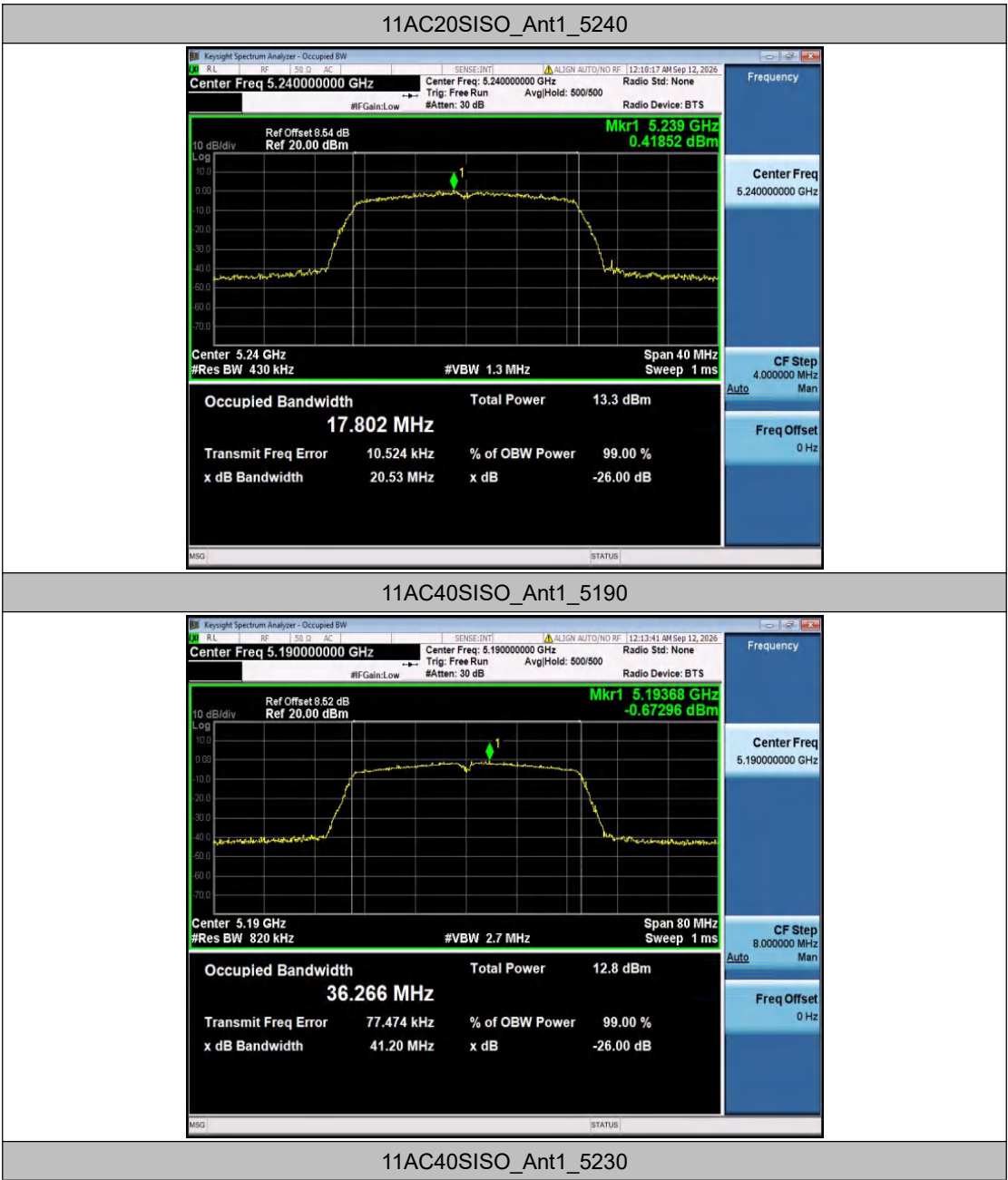


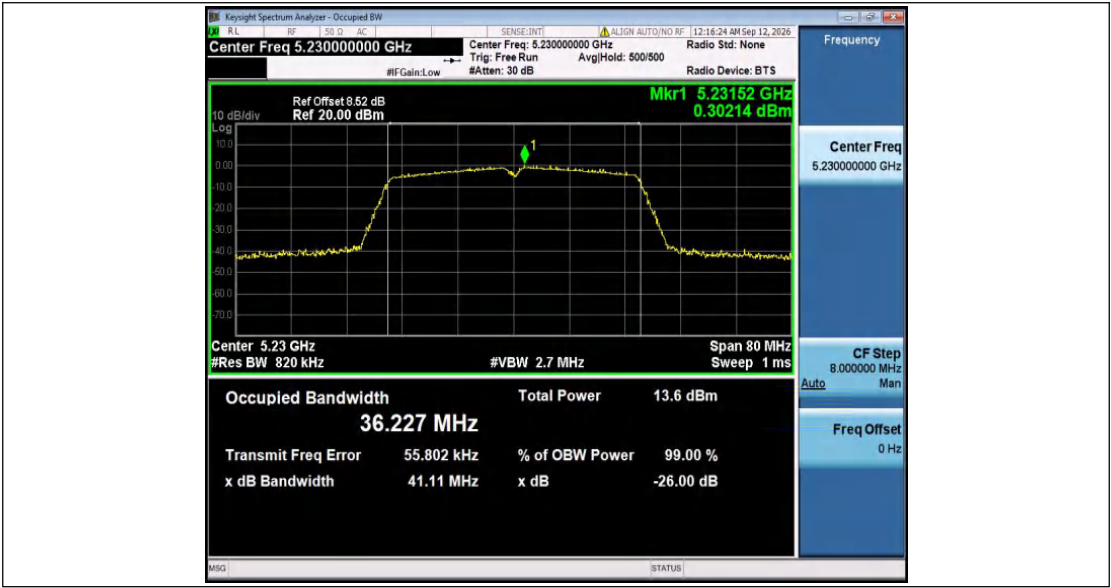
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200





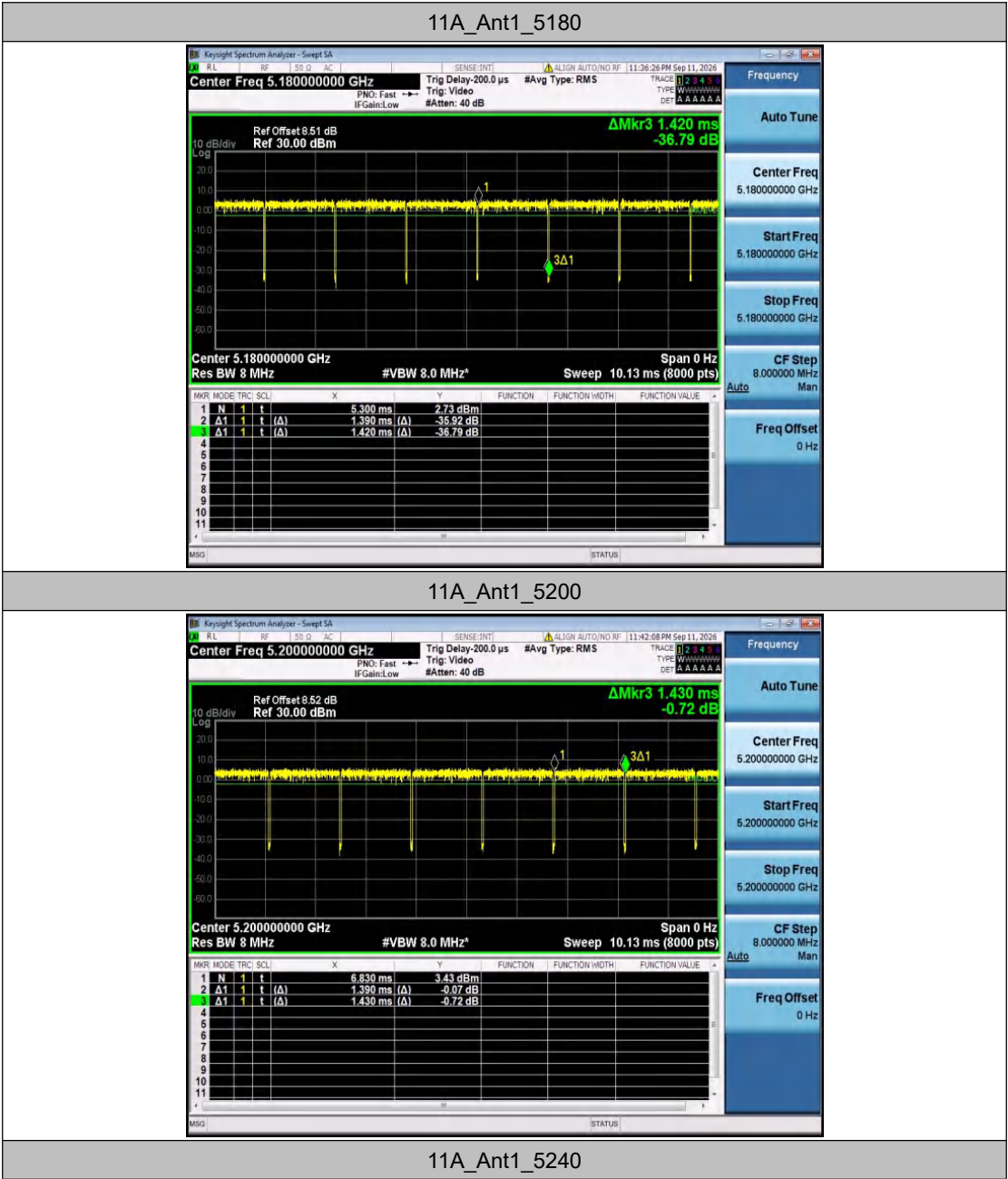


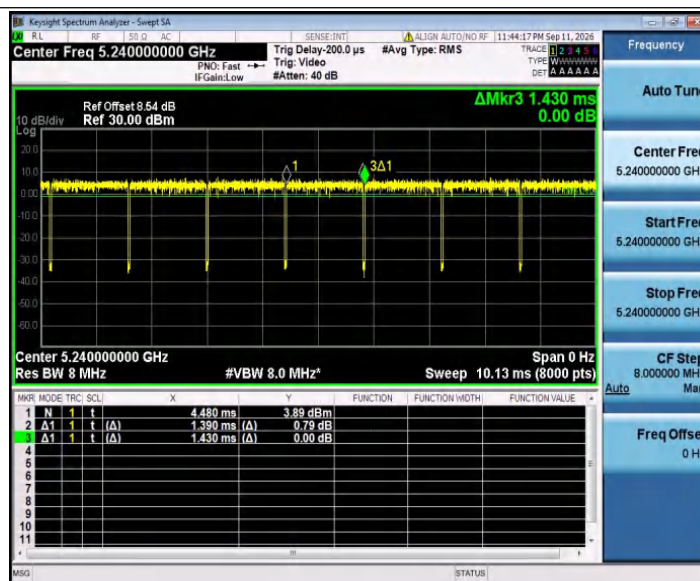
Appendix B.3: Duty Cycle

Test Result

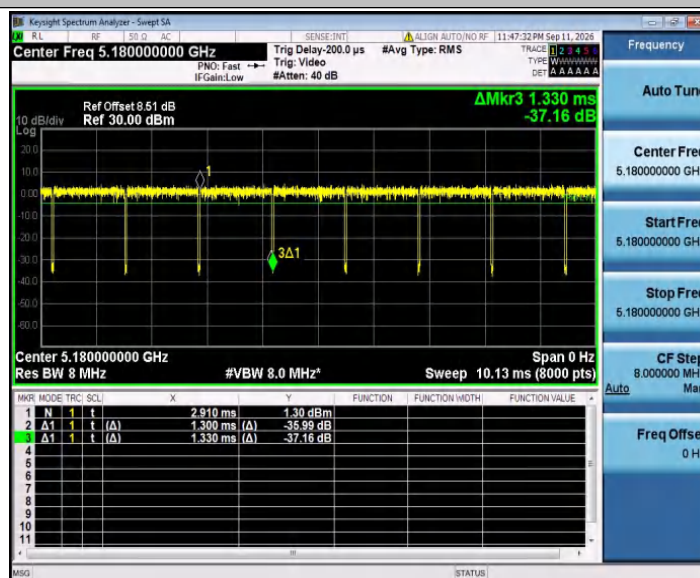
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	1.39	1.42	97.89	0.09	0.72
		5200	1.39	1.43	97.20	0.12	0.72
		5240	1.39	1.43	97.20	0.12	0.72
11N20SISO	Ant1	5180	1.30	1.33	97.74	0.10	0.77
		5200	1.30	1.34	97.01	0.13	0.77
		5240	1.30	1.33	97.74	0.10	0.77
11N40SISO	Ant1	5190	0.65	0.68	95.59	0.20	1.54
		5230	0.65	0.68	95.59	0.20	1.54
11AC20SISO	Ant1	5180	1.31	1.35	97.04	0.13	0.76
		5200	1.32	1.35	97.78	0.10	0.76
		5240	1.31	1.34	97.76	0.10	0.76
11AC40SISO	Ant1	5190	0.65	0.68	95.59	0.20	1.54
		5230	0.65	0.69	94.20	0.26	1.54

Test Graphs

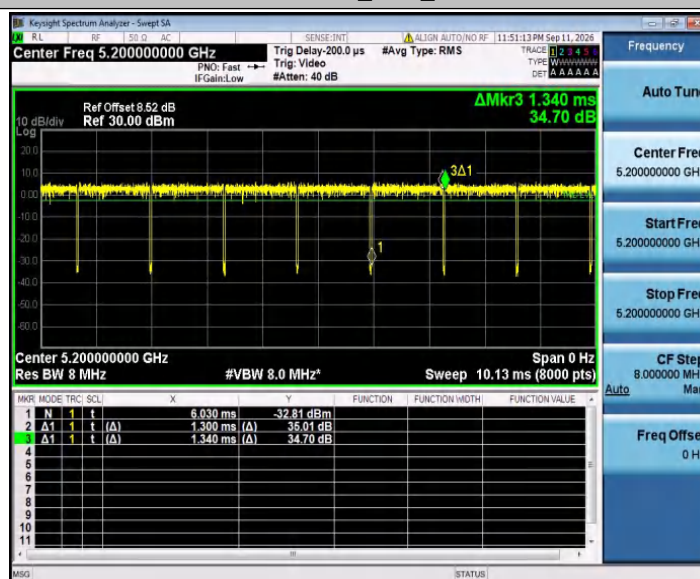


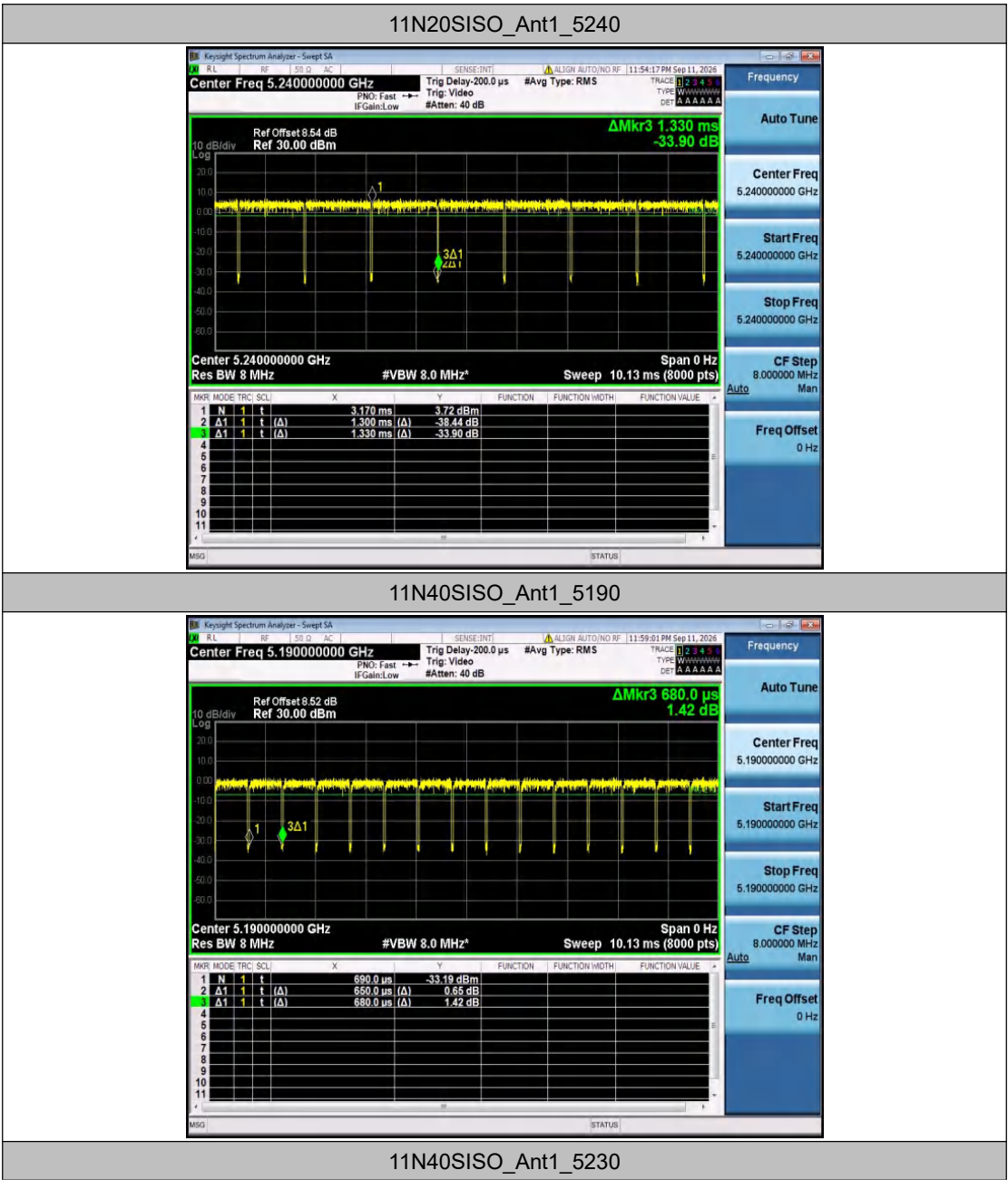


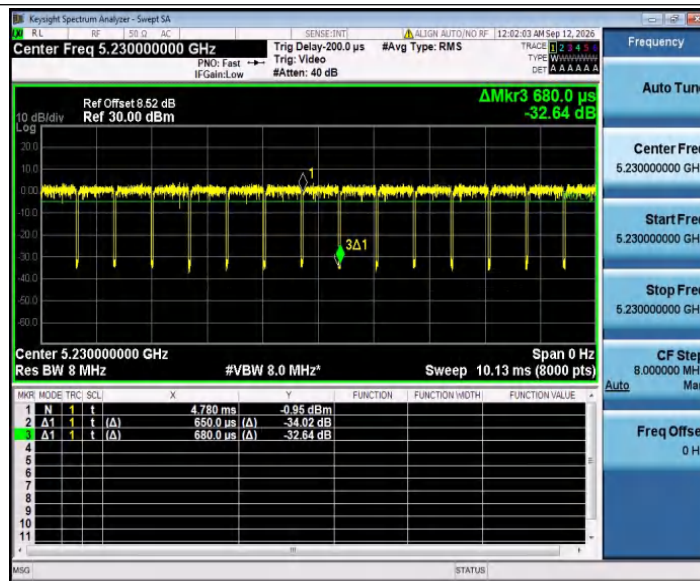
11N20SISO_Ant1_5180



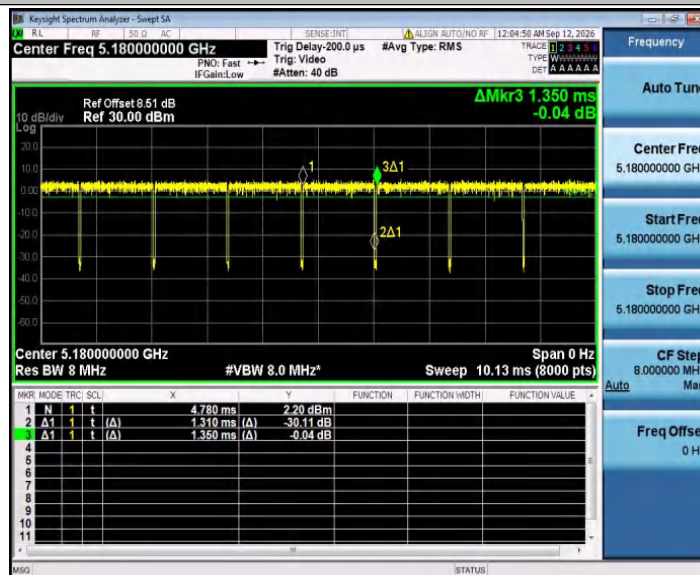
11N20SISO_Ant1_5200



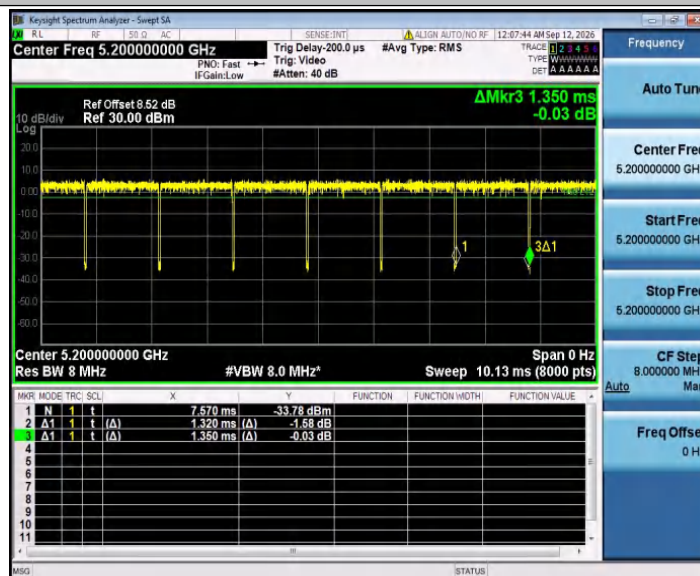


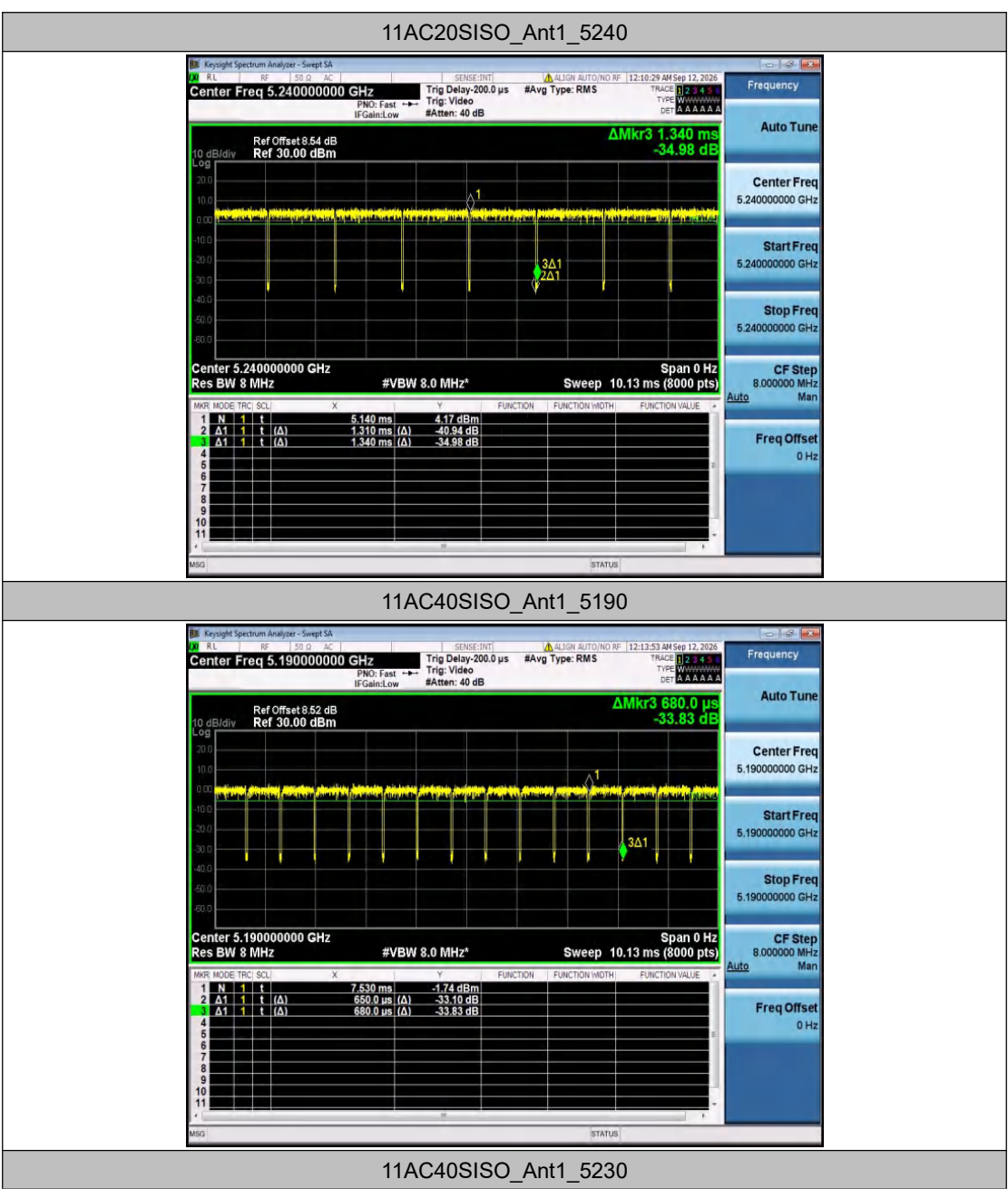


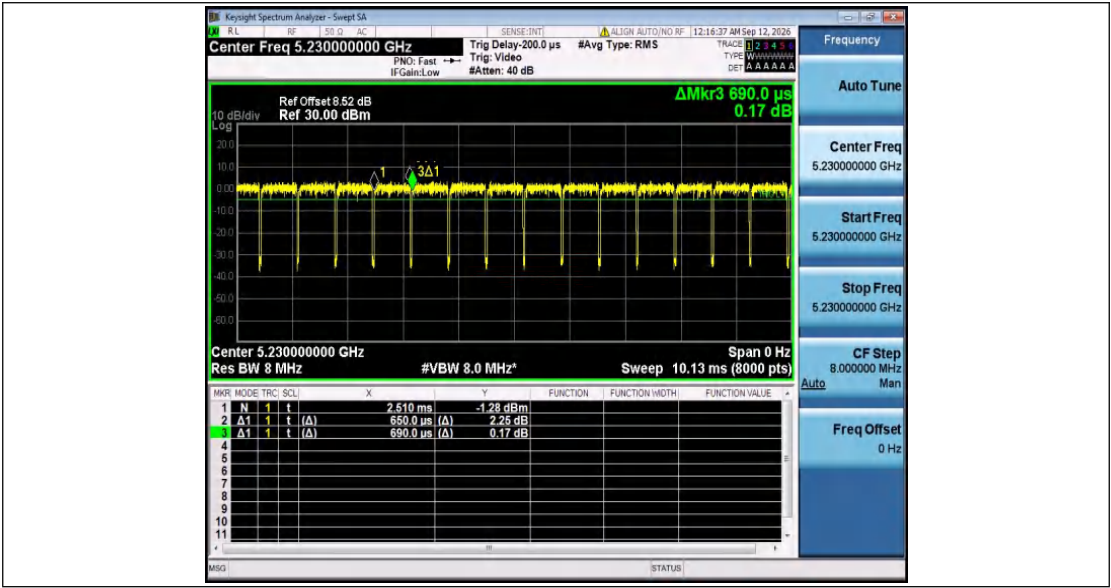
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200







Appendix B.4: Maximum conducted output power

Test Result

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	5.86	97.89	0.09	5.95	≤23.98	PASS
		5200	5.66	97.20	0.12	5.78	≤23.98	PASS
		5240	6.57	97.20	0.12	6.69	≤23.98	PASS
11N20SISO	Ant1	5180	4.13	97.74	0.10	4.23	≤23.98	PASS
		5200	5.62	97.01	0.13	5.75	≤23.98	PASS
		5240	6.39	97.74	0.10	6.49	≤23.98	PASS
11N40SISO	Ant1	5190	4.26	95.59	0.20	4.46	≤23.98	PASS
		5230	6.02	95.59	0.20	6.22	≤23.98	PASS
11AC20SISO	Ant1	5180	5.06	97.04	0.13	5.19	≤23.98	PASS
		5200	5.68	97.78	0.10	5.78	≤23.98	PASS
		5240	6.38	97.76	0.10	6.48	≤23.98	PASS
11AC40SISO	Ant1	5190	5.34	95.59	0.20	5.54	≤23.98	PASS
		5230	6.07	94.20	0.26	6.33	≤23.98	PASS

Appendix B.5: Maximum power spectral density

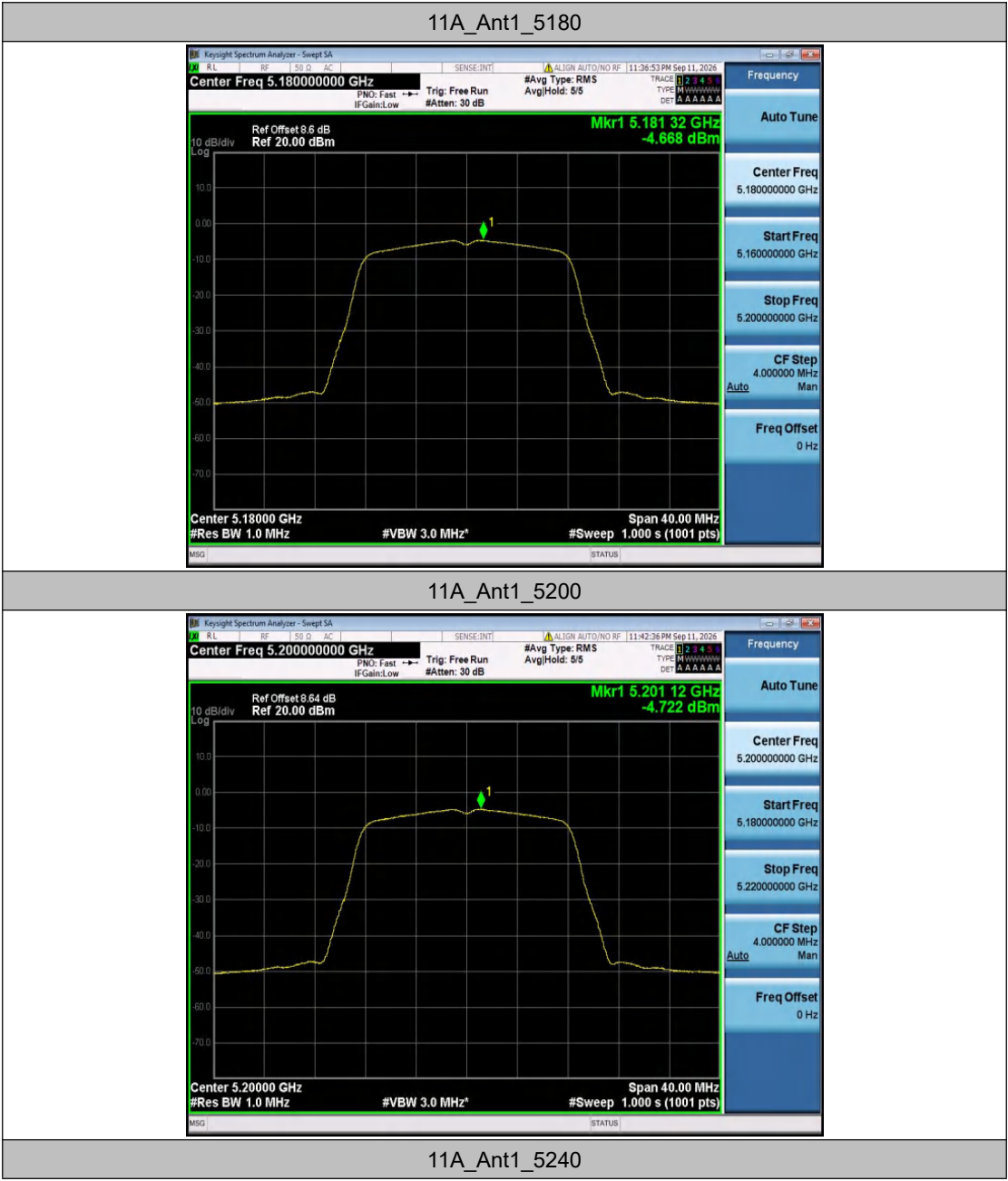
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-4.67	≤11.00	PASS
		5200	-4.72	≤11.00	PASS
		5240	-3.73	≤11.00	PASS
11N20SISO	Ant1	5180	-6.57	≤11.00	PASS
		5200	-4.93	≤11.00	PASS
		5240	-4.10	≤11.00	PASS
11N40SISO	Ant1	5190	-9.00	≤11.00	PASS
		5230	-7.21	≤11.00	PASS
11AC20SISO	Ant1	5180	-5.52	≤11.00	PASS
		5200	-4.98	≤11.00	PASS
		5240	-4.21	≤11.00	PASS
11AC40SISO	Ant1	5190	-7.91	≤11.00	PASS
		5230	-7.20	≤11.00	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



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



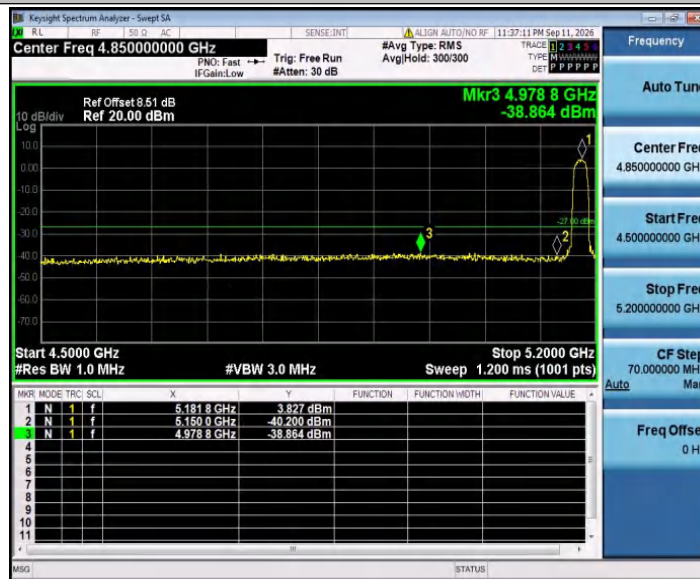
Appendix B.6: Band edge measurements

Test Result

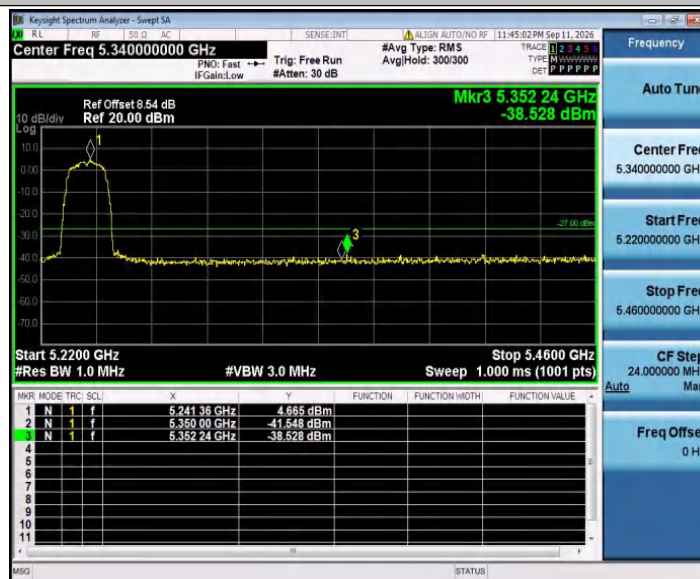
TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-38.86	≤ -27	PASS
		High	5240	-38.53	≤ -27	PASS
11N20SISO	Ant1	Low	5180	-38.33	≤ -27	PASS
		High	5240	-39.41	≤ -27	PASS
11N40SISO	Ant1	Low	5190	-38.19	≤ -27	PASS
		High	5230	-37.72	≤ -27	PASS
11AC20SISO	Ant1	Low	5180	-38.54	≤ -27	PASS
		High	5240	-38.58	≤ -27	PASS
11AC40SISO	Ant1	Low	5190	-38.31	≤ -27	PASS
		High	5230	-39.13	≤ -27	PASS

Test Graphs

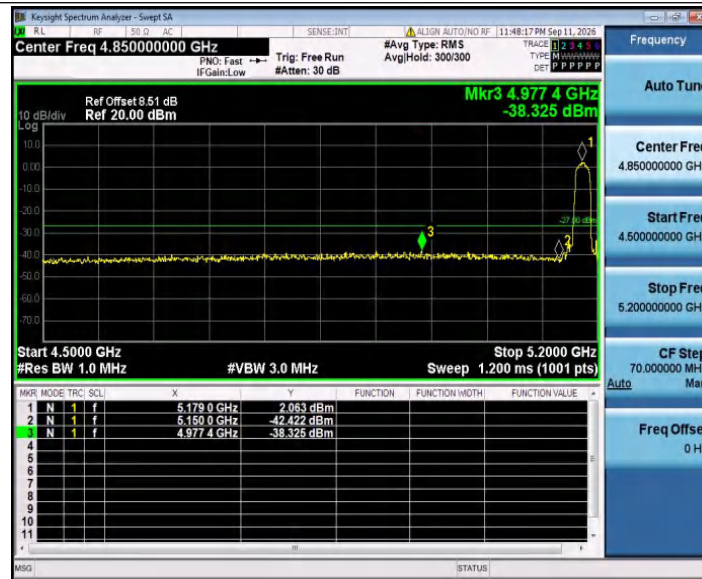
11A_Ant1_Low_5180



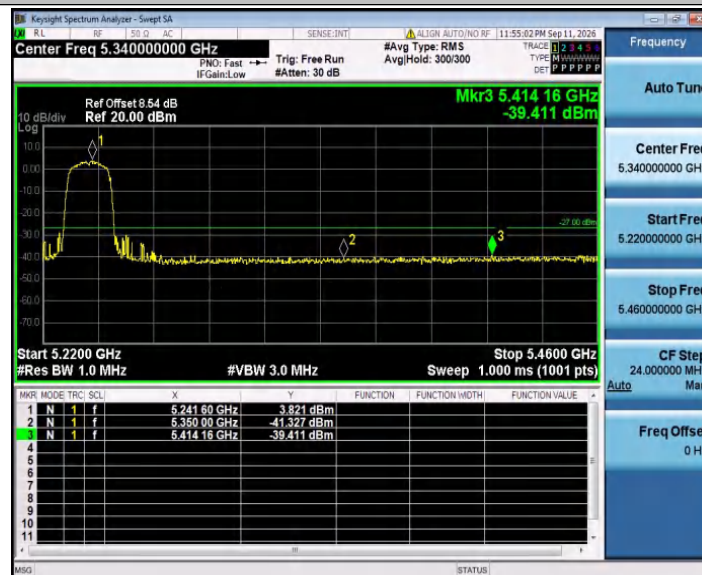
11A_Ant1_High_5240



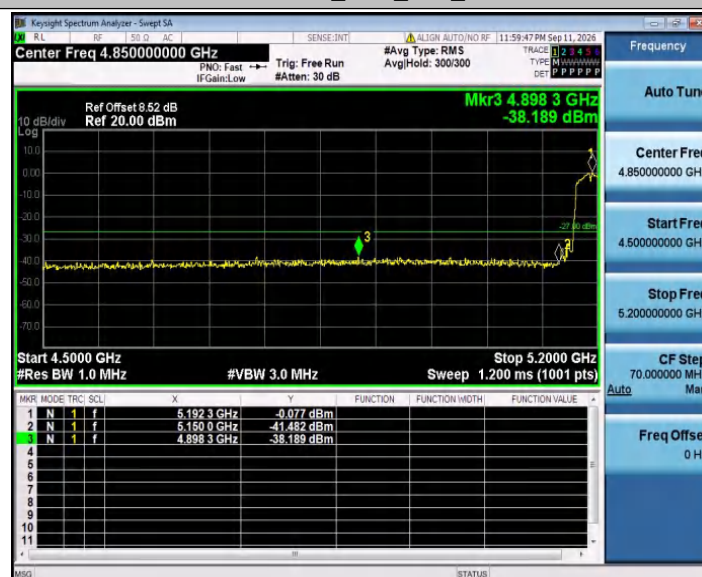
11N20SISO_Ant1_Low_5180

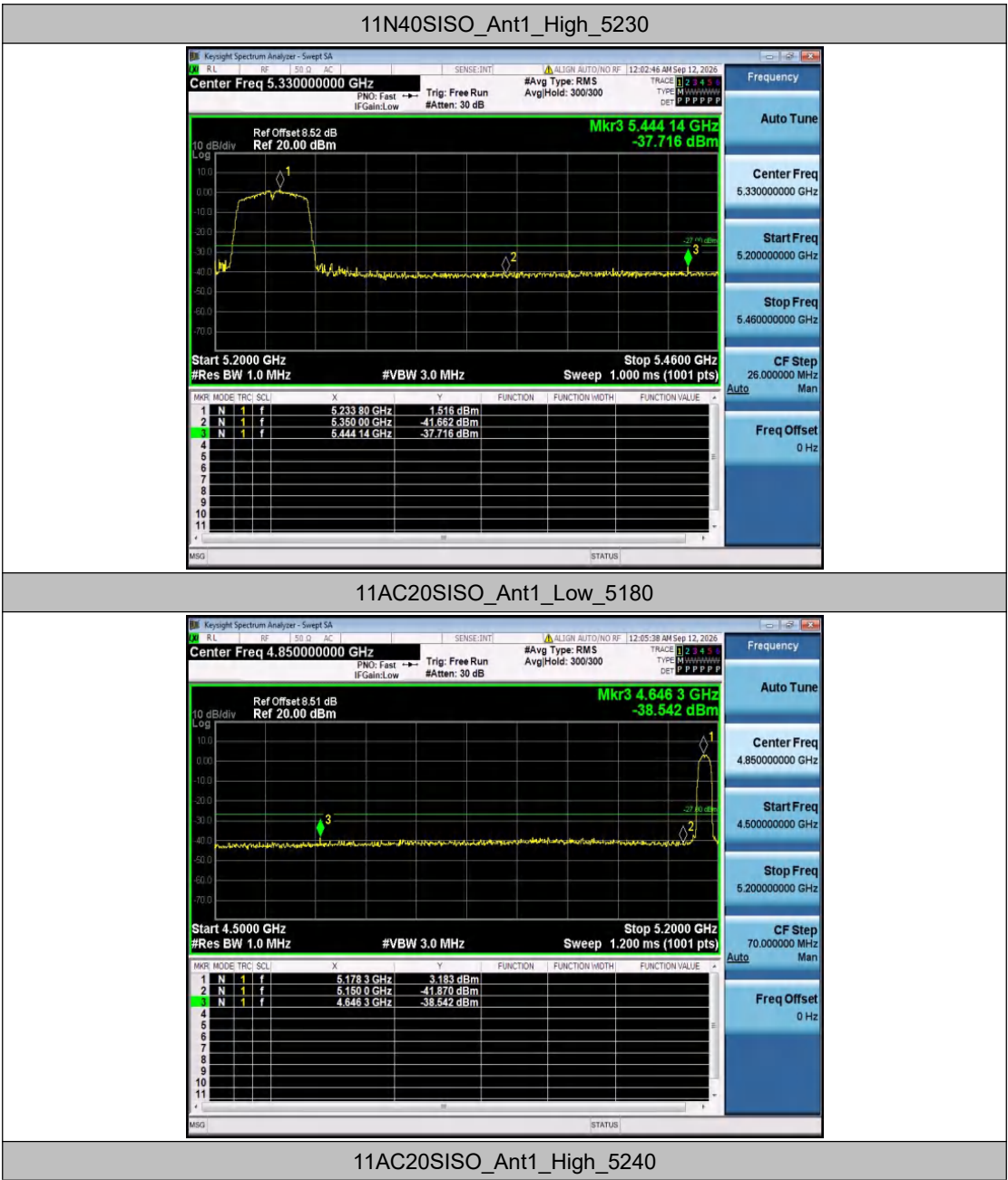


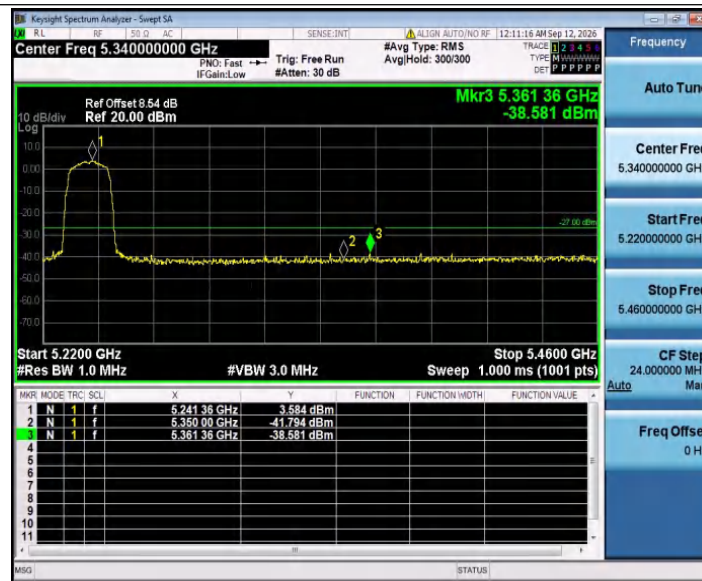
11N20SISO_Ant1_High_5240



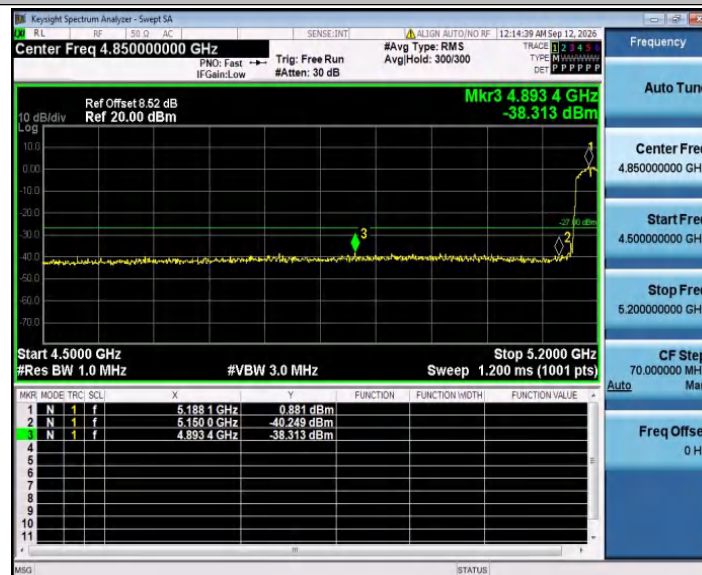
11N40SISO_Ant1_Low_5190



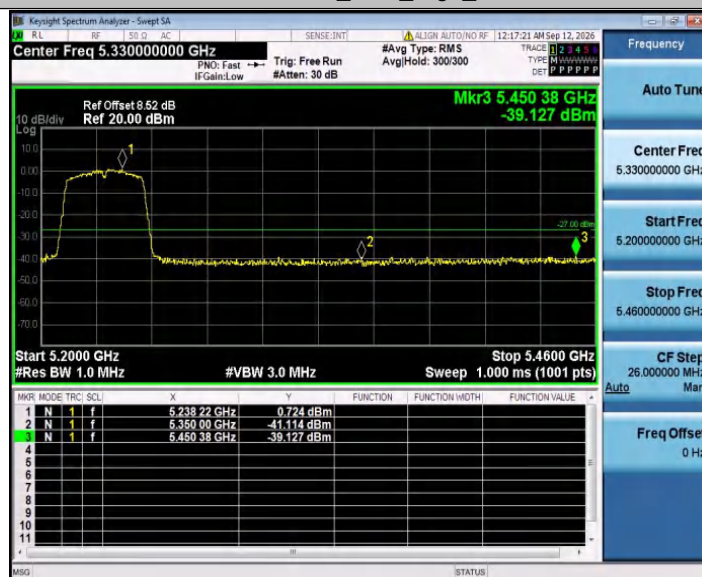




11AC40SISO_Ant1_Low_5190



11AC40SISO_Ant1_High_5230

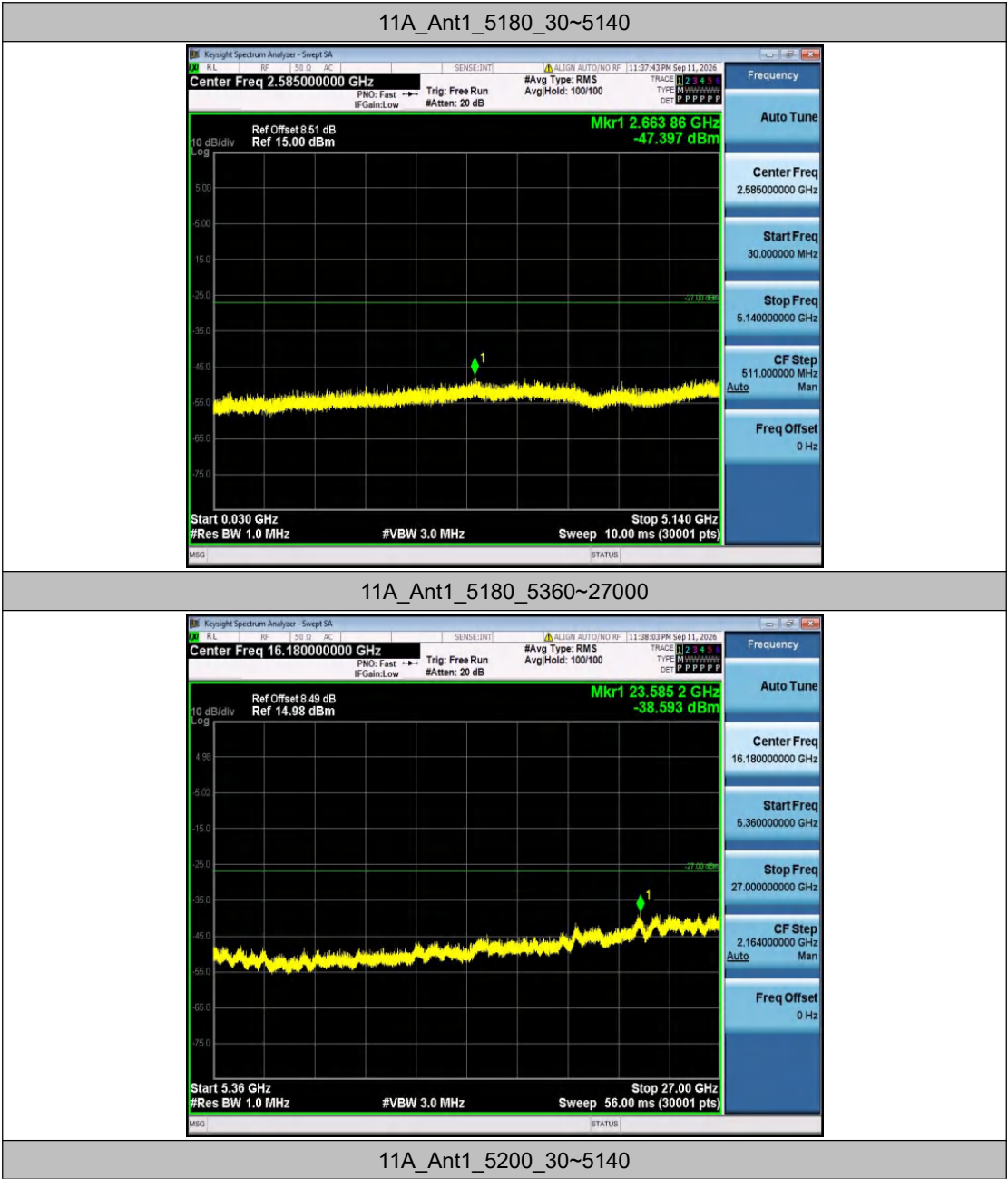


Appendix B.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	2663.86	-47.4	≤-27	PASS
			5360~27000	23585.21	-38.59	≤-27	PASS
		5200	30~5140	5019.57	-47.31	≤-27	PASS
			5360~27000	24828.07	-38.59	≤-27	PASS
		5240	30~5140	3031.95	-47.43	≤-27	PASS
			5360~27000	23527.5	-38.47	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	3128.53	-48.05	≤-27	PASS
			5360~27000	24959.35	-38.93	≤-27	PASS
		5200	30~5140	5035.25	-47.92	≤-27	PASS
			5360~27000	24255.33	-38.08	≤-27	PASS
		5240	30~5140	2668.46	-48.01	≤-27	PASS
			5360~27000	26505.89	-38.06	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5136.59	-47.14	≤-27	PASS
			5360~27000	24244.51	-38.44	≤-27	PASS
		5230	30~5140	3297.85	-48.15	≤-27	PASS
			5360~27000	24843.21	-38.42	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	5029.96	-47.77	≤-27	PASS
			5360~27000	24243.06	-38.58	≤-27	PASS
		5200	30~5140	2650.92	-47.12	≤-27	PASS
			5360~27000	23572.95	-38.36	≤-27	PASS
		5240	30~5140	5056.2	-47.34	≤-27	PASS
			5360~27000	24248.83	-38.91	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	4961.83	-47.06	≤-27	PASS
			5360~27000	24141.36	-38.77	≤-27	PASS
		5230	30~5140	3000.1	-47.66	≤-27	PASS
			5360~27000	23611.9	-38.19	≤-27	PASS

Test Graphs

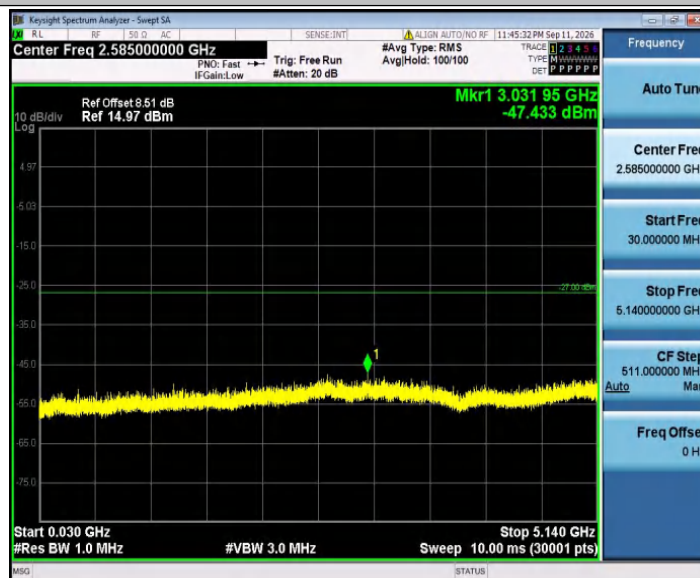




11A_Ant1_5200_5360~27000



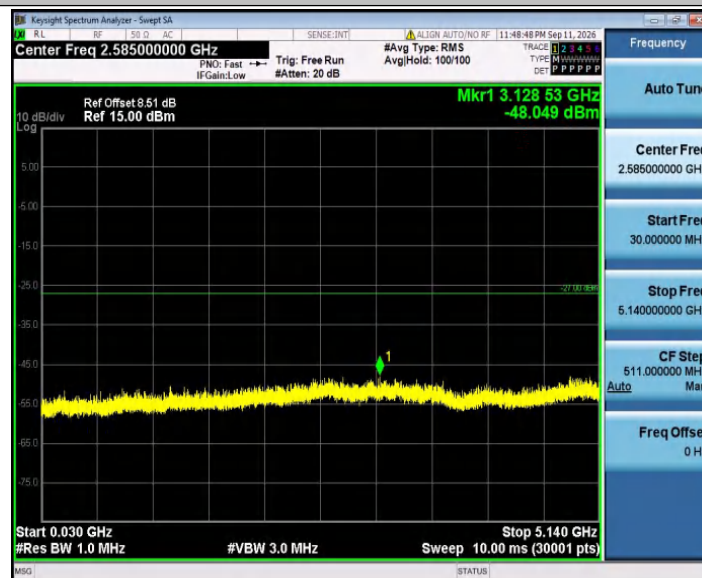
11A_Ant1_5240_30~5140



11A_Ant1_5240_5360~27000



11N20SISO_Ant1_5180_30~5140



11N20SISO_Ant1_5180_5360~27000



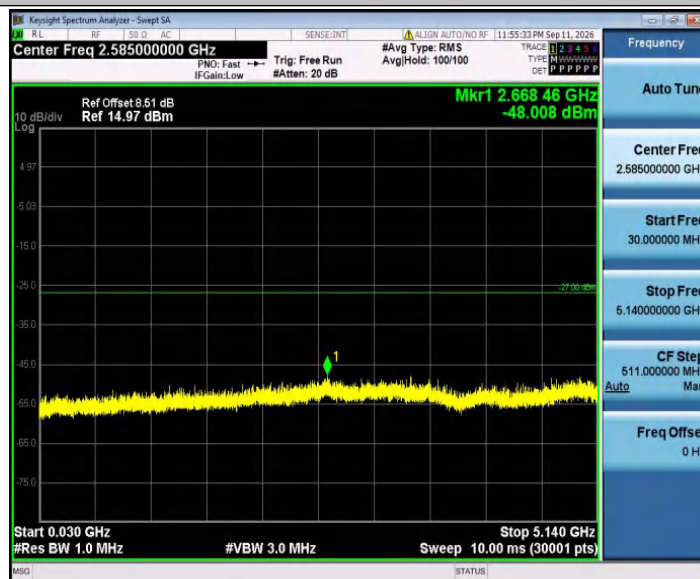
11N20SISO_Ant1_5200_30~5140



11N20SISO_Ant1_5200_5360~27000



11N20SISO_Ant1_5240_30~5140



11N20SISO_Ant1_5240_5360~27000



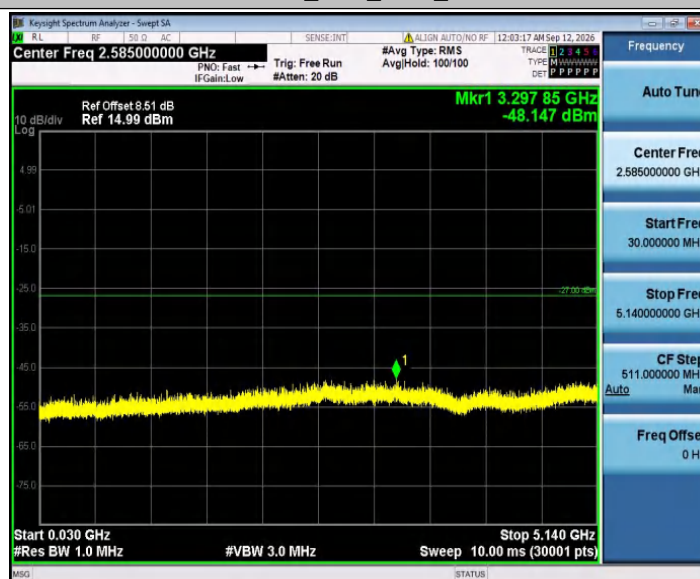
11N40SISO_Ant1_5190_30~5140

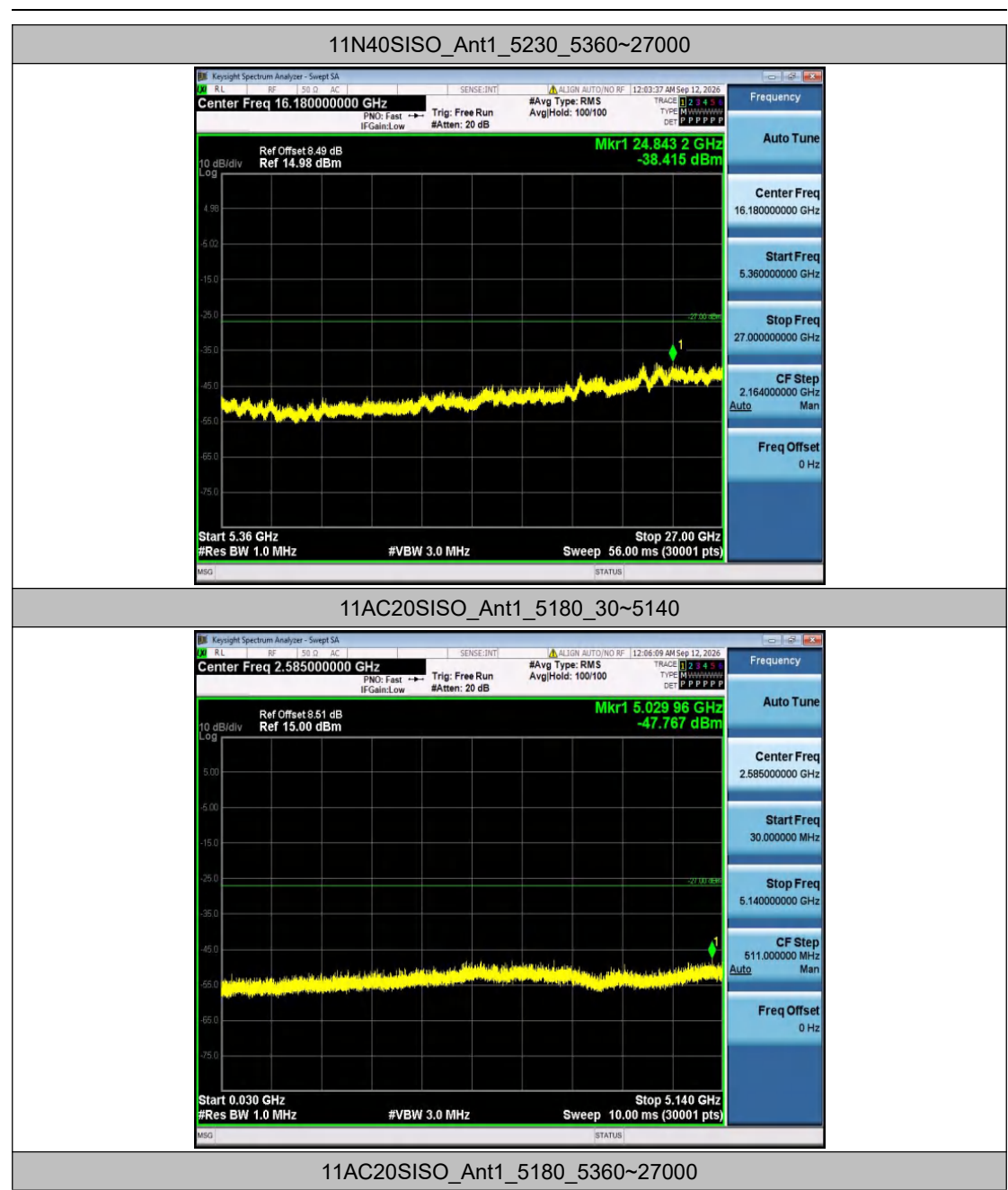


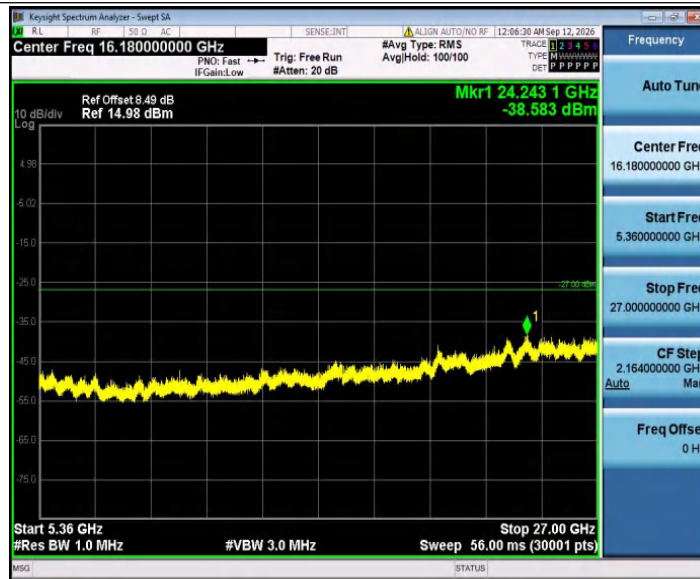
11N40SISO_Ant1_5190_5360~27000



11N40SISO_Ant1_5230_30~5140







11AC20SISO_Ant1_5200_30~5140



11AC20SISO_Ant1_5200_5360~27000



11AC20SISO_Ant1_5240_30~5140



11AC20SISO_Ant1_5240_5360~27000



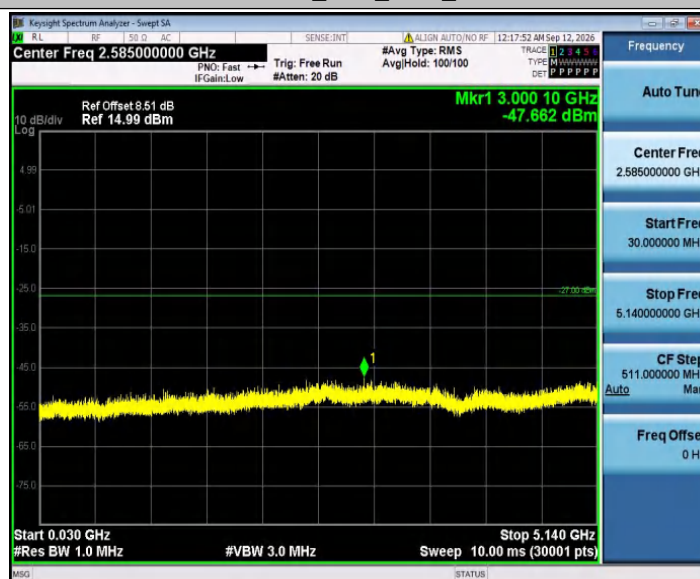
11AC40SISO_Ant1_5190_30~5140

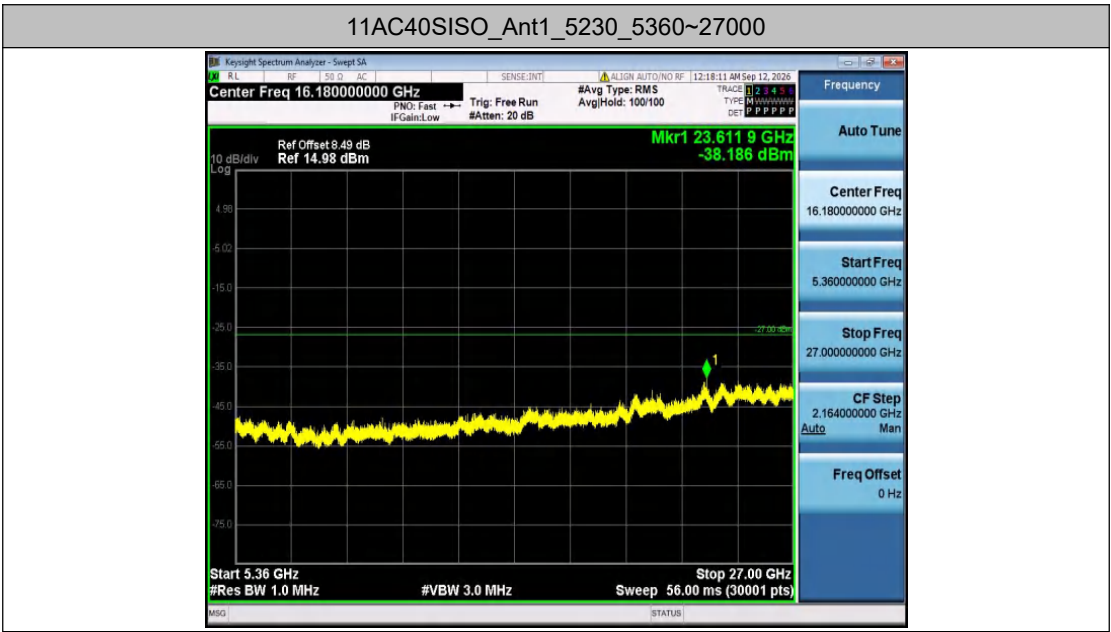


11AC40SISO_Ant1_5190_5360~27000



11AC40SISO_Ant1_5230_30~5140





Appendix B.8: Emissions in Restricted Bands

Test Result

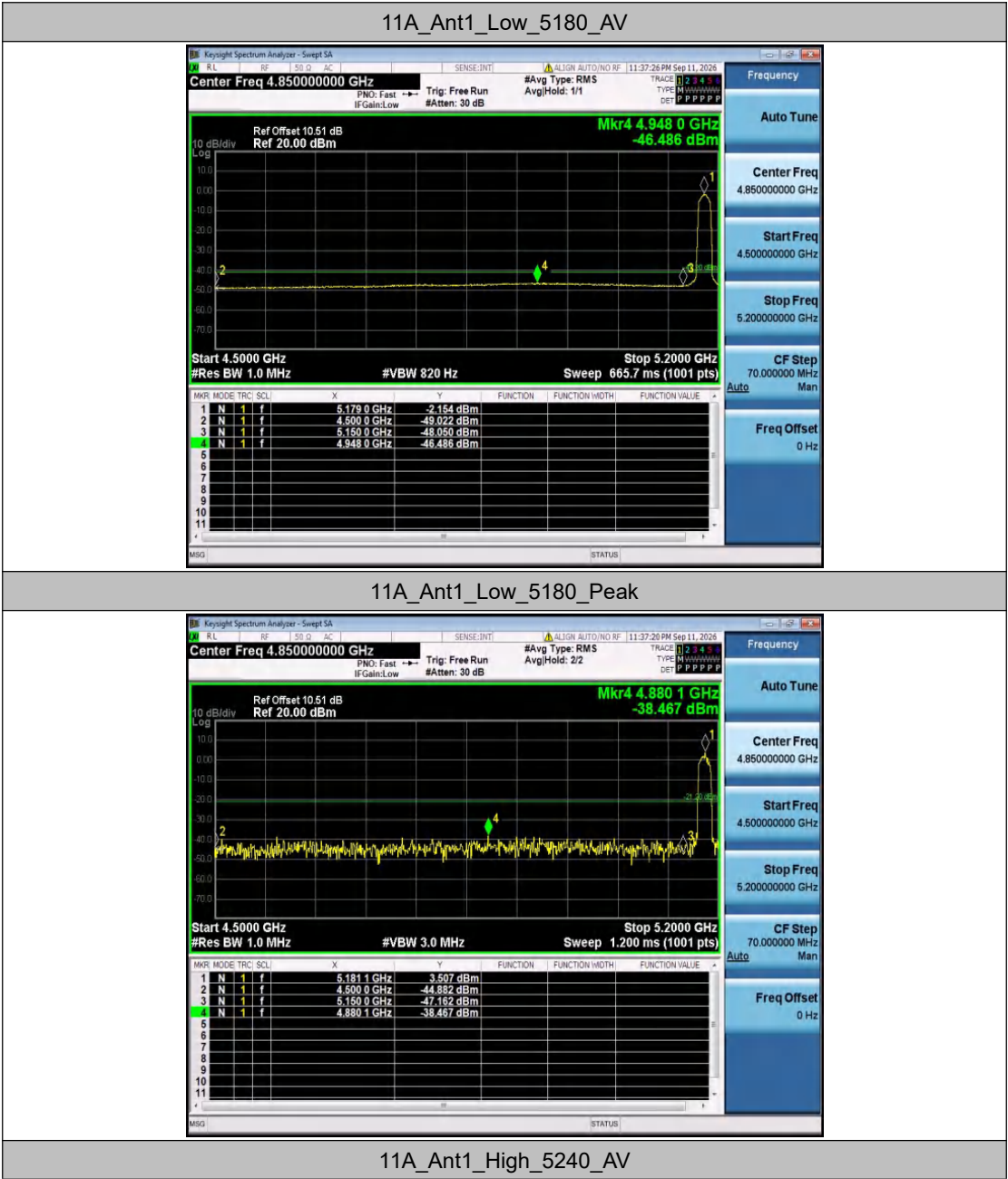
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5180	AV	4500.000	-49.02	≤-41.20	46.18	≤54	PASS
				AV	4948.000	-46.49	≤-41.20	48.71	≤54	PASS
				AV	5150.000	-48.05	≤-41.20	47.15	≤54	PASS
				Peak	4500.000	-44.88	≤-21.20	50.32	≤74	PASS
				Peak	4880.100	-38.47	≤-21.20	56.73	≤74	PASS
				Peak	5150.000	-47.16	≤-21.20	48.04	≤74	PASS
		High	5240	AV	5350.000	-47.7	≤-41.20	47.50	≤54	PASS
				AV	5457.600	-46.72	≤-41.20	48.48	≤54	PASS
				AV	5460.000	-46.73	≤-41.20	48.47	≤54	PASS
				Peak	5350.000	-48.14	≤-21.20	47.06	≤74	PASS
				Peak	5450.400	-38.48	≤-21.20	56.72	≤74	PASS
				Peak	5460.000	-41.21	≤-21.20	53.99	≤74	PASS
11N20SI SO	Ant1	Low	5180	AV	4500.000	-48.95	≤-41.20	46.25	≤54	PASS
				AV	4933.300	-46.42	≤-41.20	48.78	≤54	PASS
				AV	5150.000	-48.44	≤-41.20	46.76	≤54	PASS
				Peak	4500.000	-46.7	≤-21.20	48.50	≤74	PASS
				Peak	4980.200	-36.93	≤-21.20	58.27	≤74	PASS
				Peak	5150.000	-44.08	≤-21.20	51.12	≤74	PASS
		High	5240	AV	5350.000	-48.03	≤-41.20	47.17	≤54	PASS
				AV	5426.640	-46.69	≤-41.20	48.51	≤54	PASS
				AV	5460.000	-47.12	≤-41.20	48.08	≤54	PASS
				Peak	5350.000	-45.45	≤-21.20	49.75	≤74	PASS
				Peak	5445.360	-38.77	≤-21.20	56.43	≤74	PASS
				Peak	5460.000	-44.01	≤-21.20	51.19	≤74	PASS
11N40SI SO	Ant1	Low	5190	AV	4500.000	-49.12	≤-41.20	46.08	≤54	PASS
				AV	4950.100	-46.25	≤-41.20	48.95	≤54	PASS
				AV	5150.000	-47.46	≤-41.20	47.74	≤54	PASS
				Peak	4500.000	-45	≤-21.20	50.20	≤74	PASS
				Peak	4969.700	-38.09	≤-21.20	57.11	≤74	PASS
				Peak	5150.000	-45.3	≤-21.20	49.90	≤74	PASS
		High	5230	AV	5350.000	-47.76	≤-41.20	47.44	≤54	PASS
				AV	5456.360	-46.63	≤-41.20	48.57	≤54	PASS
				AV	5460.000	-46.85	≤-41.20	48.35	≤54	PASS
				Peak	5350.000	-41.83	≤-21.20	53.37	≤74	PASS
				Peak	5440.500	-39.08	≤-21.20	56.12	≤74	PASS
				Peak	5460.000	-42.82	≤-21.20	52.38	≤74	PASS
11AC20S	Ant1	Low	5180	AV	4500.000	-48.96	≤-41.20	46.24	≤54	PASS

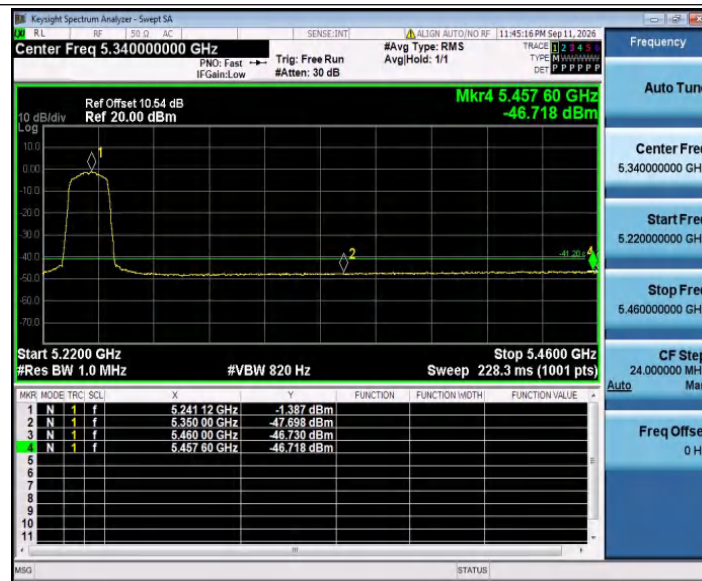
ISO				AV	4967.600	-46.39	≤ -41.20	48.81	≤ 54	PASS
				AV	5150.000	-48.02	≤ -41.20	47.18	≤ 54	PASS
				Peak	4500.000	-43.54	≤ -21.20	51.66	≤ 74	PASS
				Peak	5041.800	-38.35	≤ -21.20	56.85	≤ 74	PASS
				Peak	5150.000	-50.55	≤ -21.20	44.65	≤ 74	PASS
		High	5240	AV	5350.000	-47.75	≤ -41.20	47.45	≤ 54	PASS
				AV	5433.360	-46.7	≤ -41.20	48.50	≤ 54	PASS
				AV	5460.000	-46.97	≤ -41.20	48.23	≤ 54	PASS
				Peak	5350.000	-43.15	≤ -21.20	52.05	≤ 74	PASS
				Peak	5413.920	-38.24	≤ -21.20	56.96	≤ 74	PASS
				Peak	5460.000	-44.94	≤ -21.20	50.26	≤ 74	PASS
11AC40S ISO	Ant1	Low	5190	AV	4500.000	-49.06	≤ -41.20	46.14	≤ 54	PASS
				AV	4957.100	-46.21	≤ -41.20	48.99	≤ 54	PASS
				AV	5150.000	-47.58	≤ -41.20	47.62	≤ 54	PASS
				Peak	4500.000	-43.18	≤ -21.20	52.02	≤ 74	PASS
				Peak	4978.800	-37.96	≤ -21.20	57.24	≤ 74	PASS
				Peak	5150.000	-44.39	≤ -21.20	50.81	≤ 74	PASS
		High	5230	AV	5350.000	-48.14	≤ -41.20	47.06	≤ 54	PASS
				AV	5457.660	-46.63	≤ -41.20	48.57	≤ 54	PASS
				AV	5460.000	-46.92	≤ -41.20	48.28	≤ 54	PASS
				Peak	5350.000	-47.6	≤ -21.20	47.60	≤ 74	PASS
				Peak	5431.660	-39.08	≤ -21.20	56.12	≤ 74	PASS
				Peak	5460.000	-43.77	≤ -21.20	51.43	≤ 74	PASS

Note:

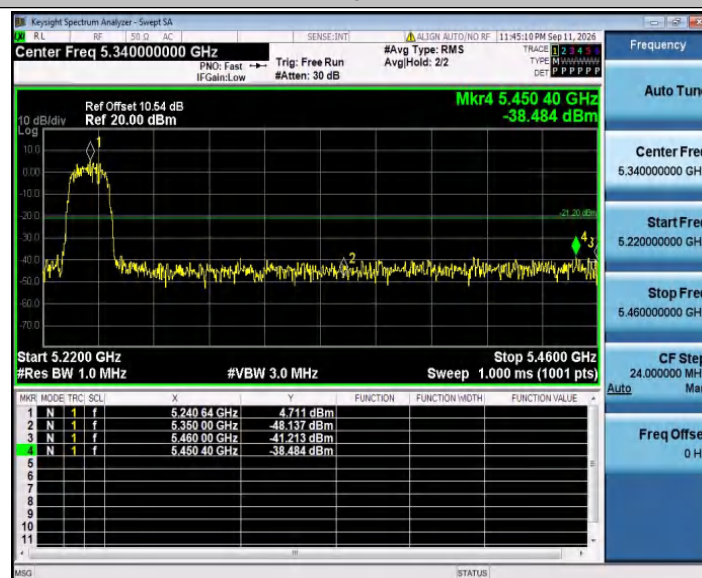
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

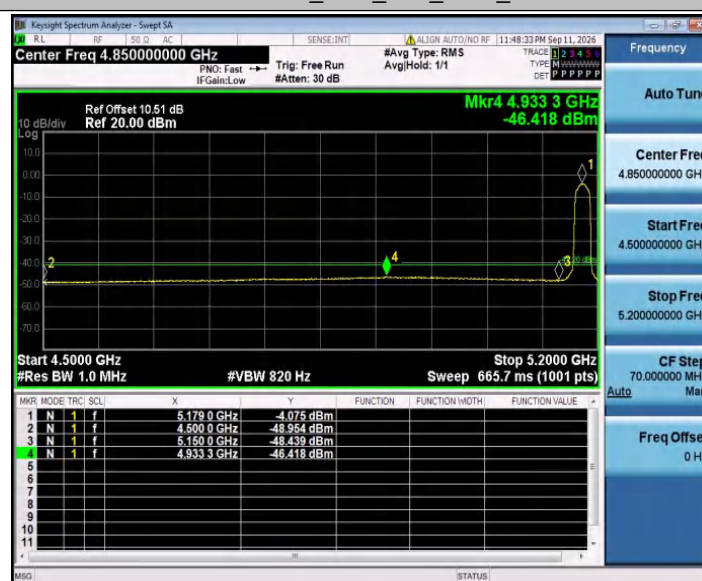




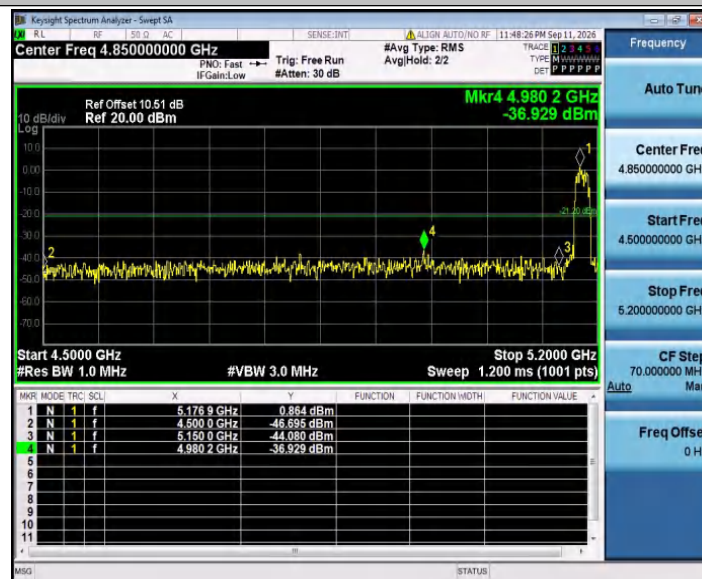
11A_Ant1_High_5240_Peak



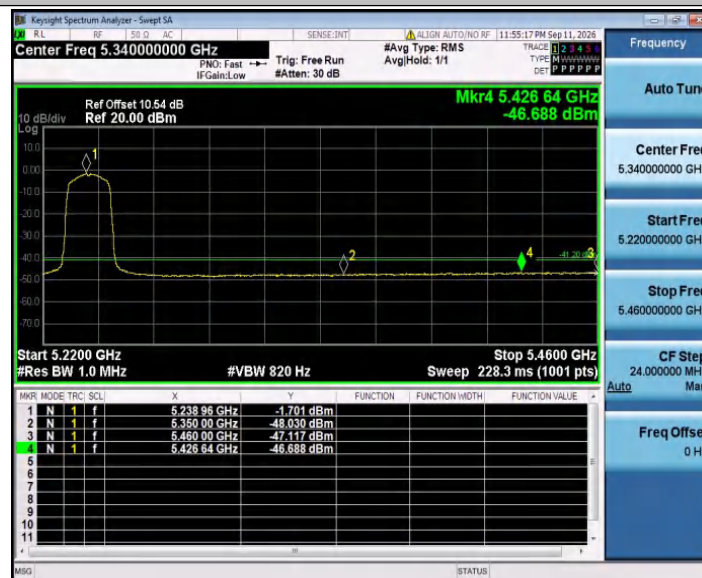
11N20SISO_Ant1_Low_5180_AV



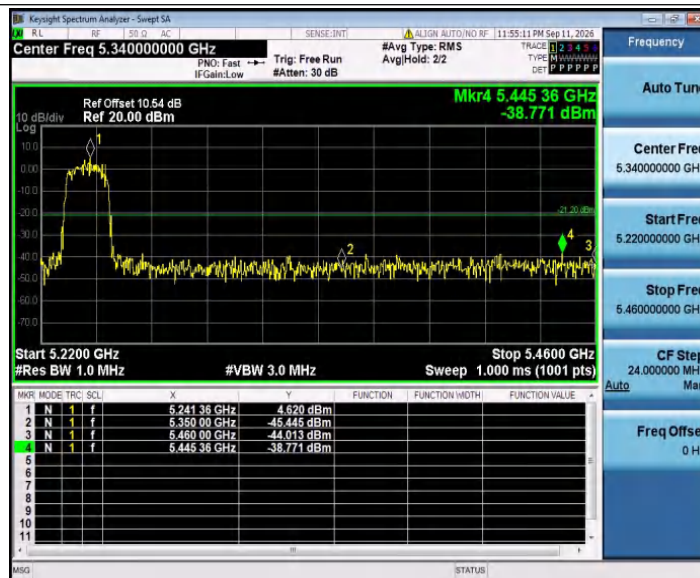
11N20SISO_Ant1_Low_5180_Peak



11N20SISO_Ant1_High_5240_AV



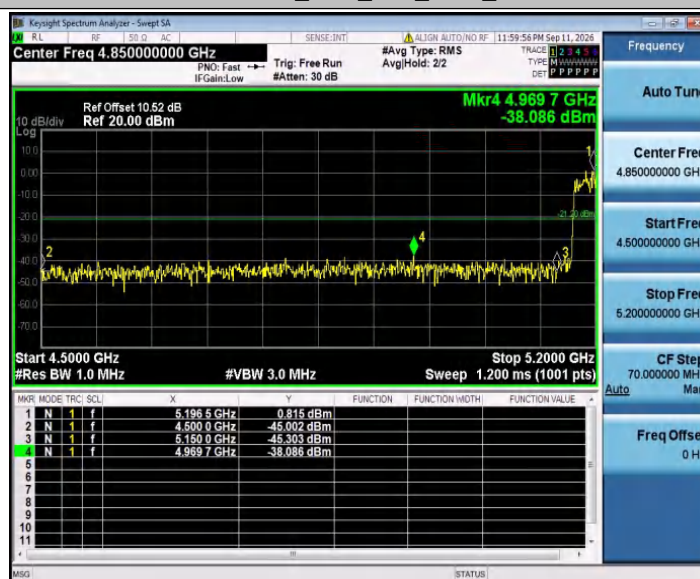
11N20SISO_Ant1_High_5240_Peak



11N40SISO_Ant1_Low_5190_AV



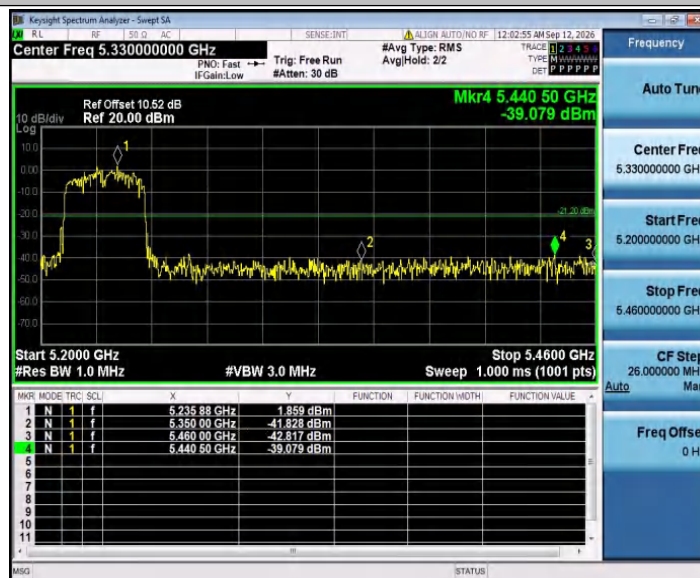
11N40SISO_Ant1_Low_5190_Peak



11N40SISO_Ant1_High_5230_AV



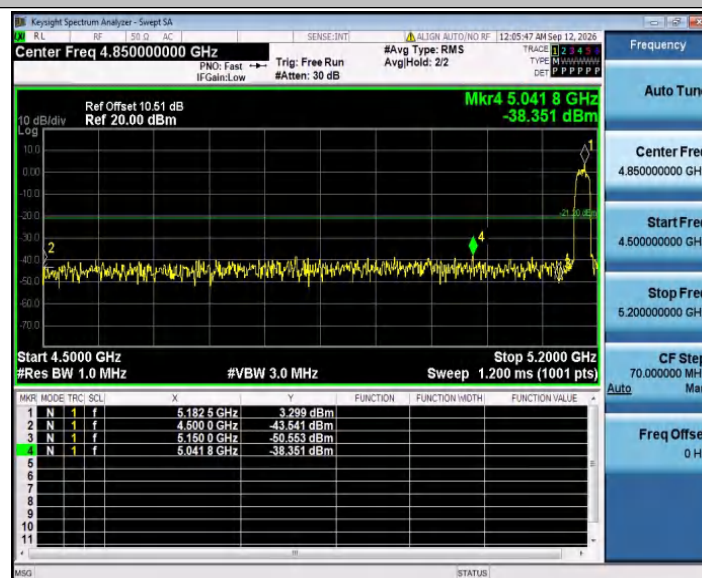
11N40SISO_Ant1_High_5230_Peak



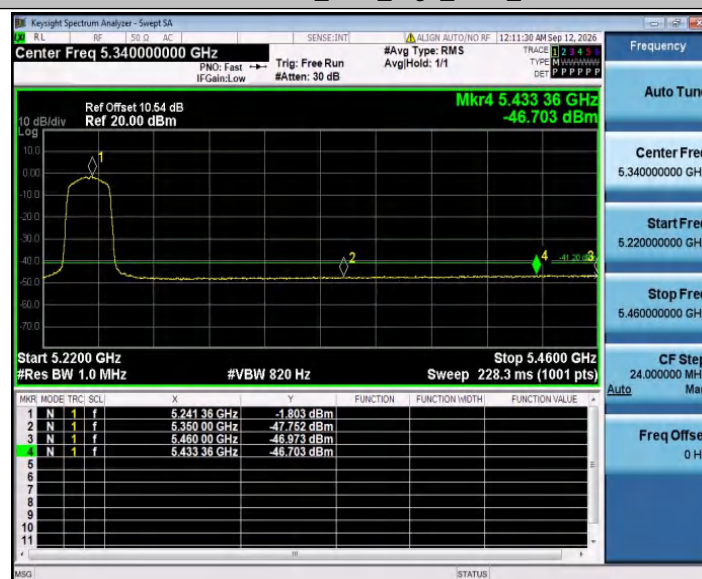
11AC20SISO_Ant1_Low_5180_AV

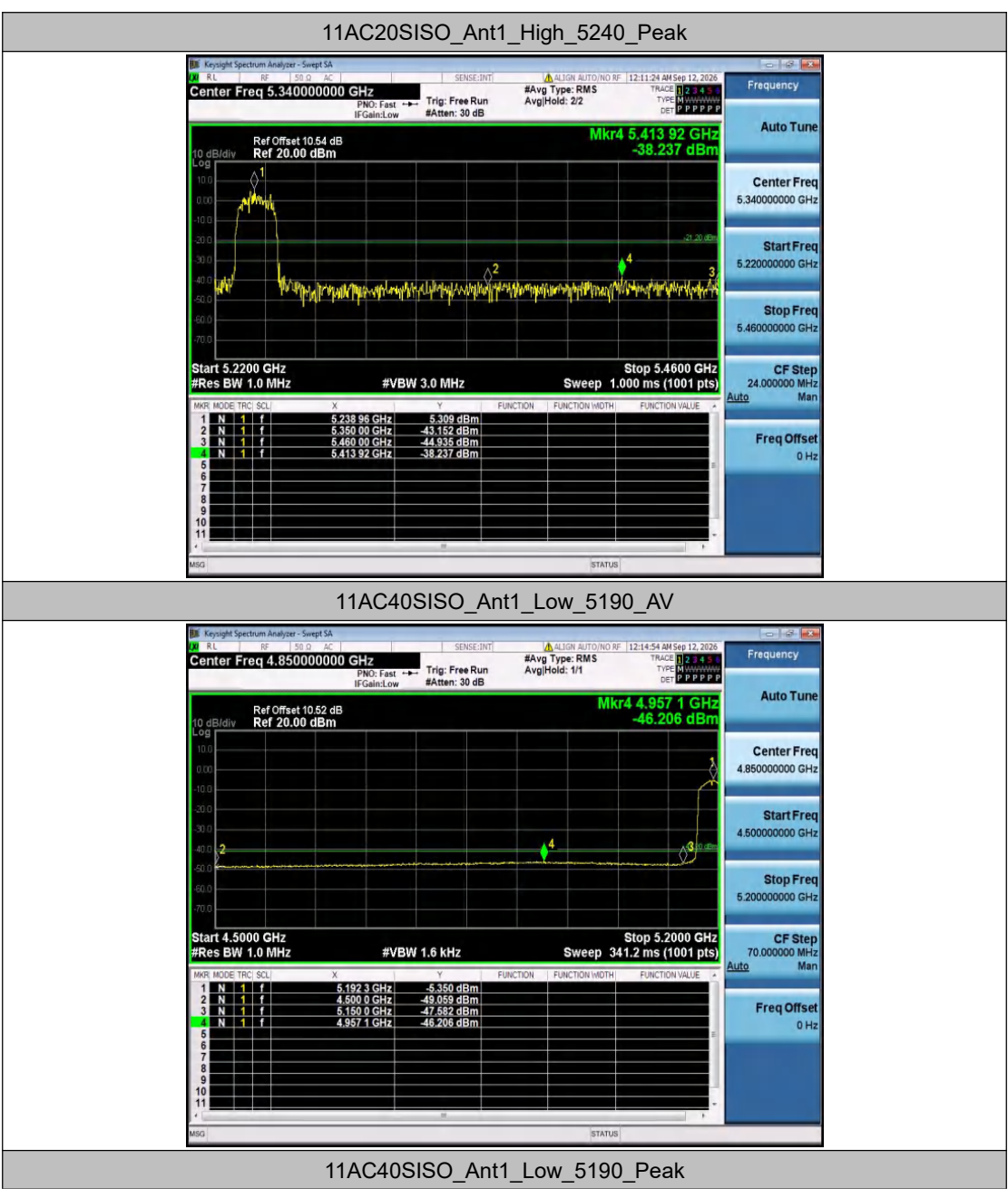


11AC20SISO_Ant1_Low_5180_Peak



11AC20SISO_Ant1_High_5240_AV





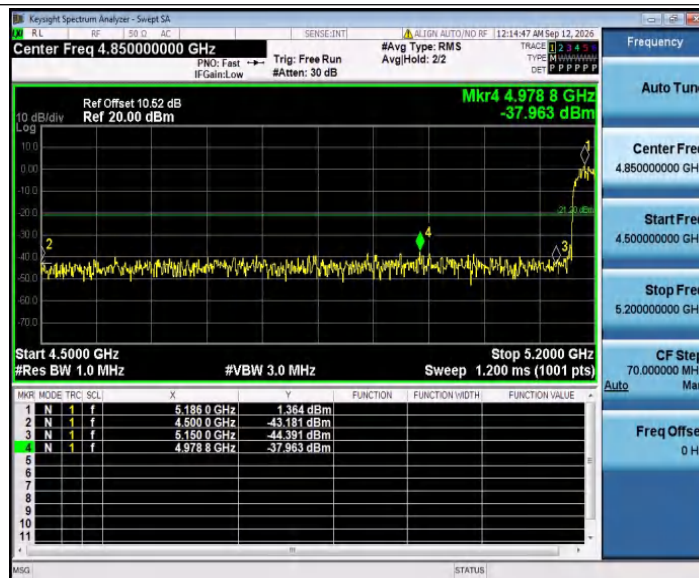
11AC40SISO_Ant1_Low_5190_AV

Frequency

Auto Tune

Center Freq
4.85000000 GHzStart Freq
4.500000000 GHzStop Freq
5.200000000 GHzCF Step
70.000000 MHz
AutoFreq Offset
0 Hz

11AC40SISO_Ant1_Low_5190_Peak



11AC40SISO_Ant1_High_5230_AV



11AC40SISO_Ant1_High_5230_Peak

