

Case No. : <u>GTS20260122012-1-03</u>	
Ambient Condition: <u>22</u> °C, <u>55</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2026.3.17</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	21.240	5169.320	5190.560	---	---
		5200	21.120	5189.400	5210.520	---	---
		5240	21.320	5229.280	5250.600	---	---
11N20SISO	Ant1	5180	21.840	5169.000	5190.840	---	---
		5200	21.680	5189.120	5210.800	---	---
		5240	21.480	5229.200	5250.680	---	---
11N40SISO	Ant1	5190	39.440	5170.240	5209.680	---	---
		5230	39.440	5210.240	5249.680	---	---
11AC20SISO	Ant1	5180	21.160	5169.320	5190.480	---	---
		5200	21.240	5189.360	5210.600	---	---
		5240	21.240	5229.360	5250.600	---	---
11AC40SISO	Ant1	5190	39.920	5170.000	5209.920	---	---
		5230	39.920	5210.000	5249.920	---	---
11AC80SISO	Ant1	5210	80.160	5170.000	5250.160	---	---

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



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



Appendix B.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.352	5171.2491	5188.6011	---	---
		5200	17.390	5191.2279	5208.6179	---	---
		5240	17.336	5231.2895	5248.6255	---	---
11N20SISO	Ant1	5180	18.356	5170.8402	5189.1962	---	---
		5200	18.322	5190.8635	5209.1855	---	---
		5240	18.311	5230.8299	5249.1409	---	---
11N40SISO	Ant1	5190	36.479	5171.8164	5208.2954	---	---
		5230	36.536	5211.7387	5248.2747	---	---
11AC20SISO	Ant1	5180	18.189	5170.8635	5189.0525	---	---
		5200	18.218	5190.8622	5209.0802	---	---
		5240	18.203	5230.8374	5249.0404	---	---
11AC40SISO	Ant1	5190	36.715	5171.5910	5208.3060	---	---
		5230	36.754	5211.5582	5248.3122	---	---
11AC80SISO	Ant1	5210	75.564	5172.3005	5247.8645	---	---

Test Graphs

11A_Ant1_5180



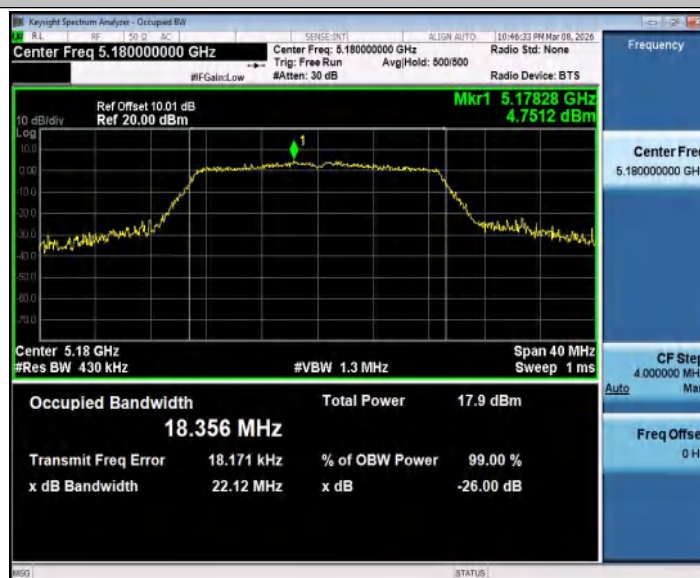
11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



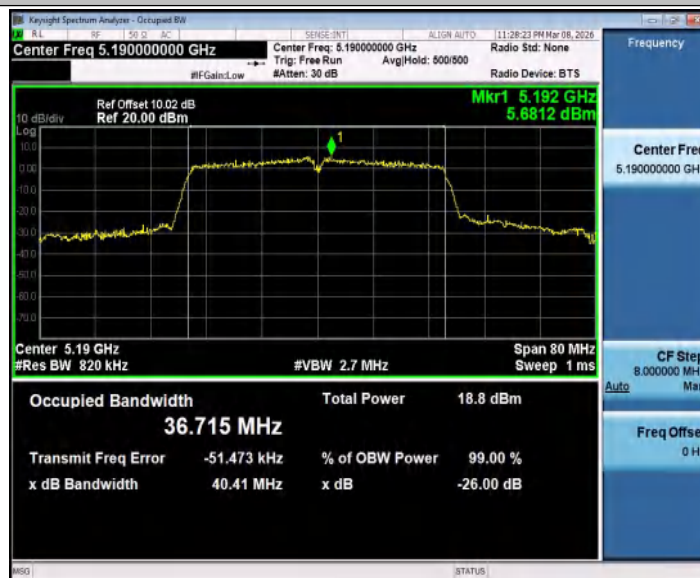
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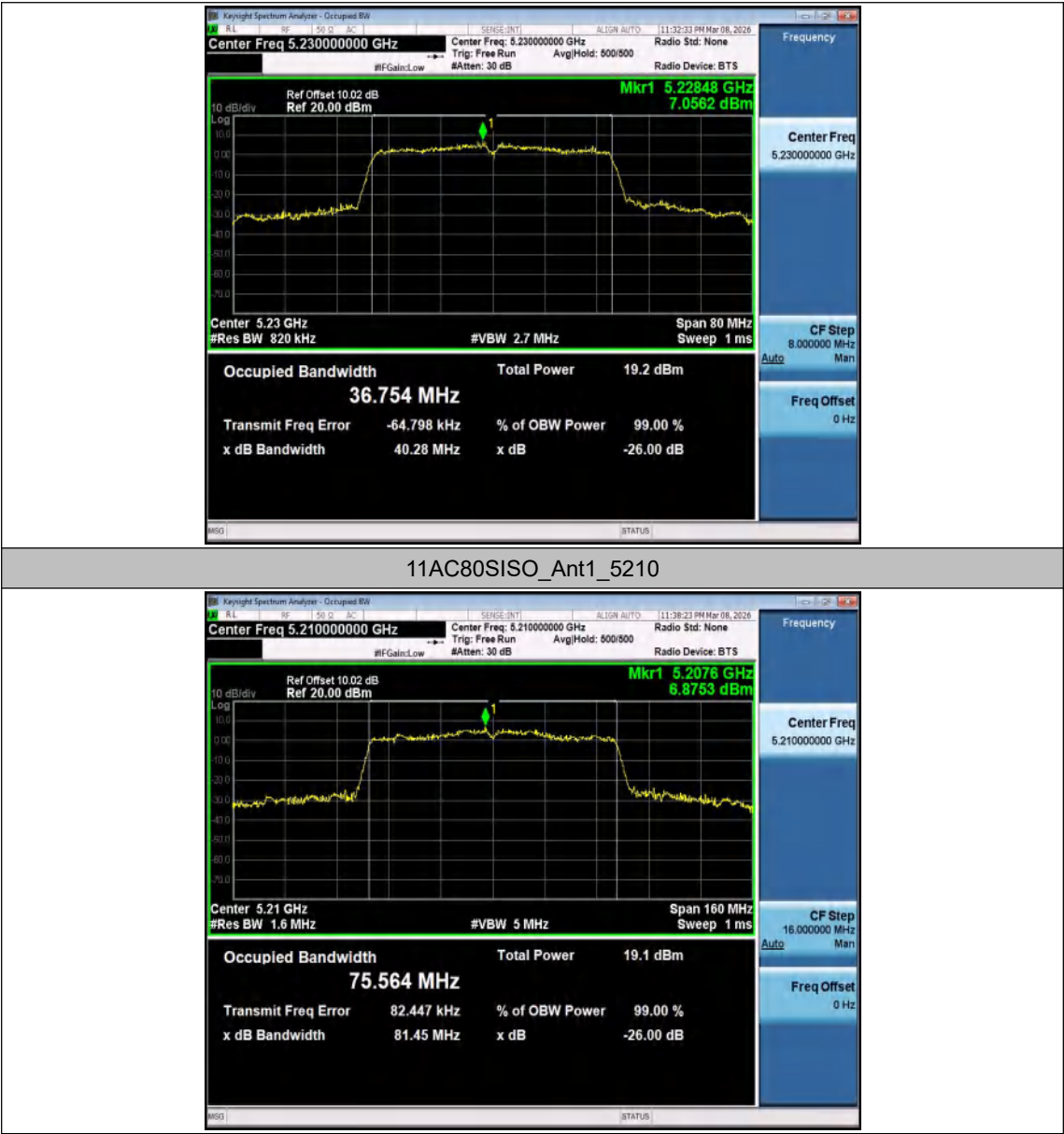
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11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



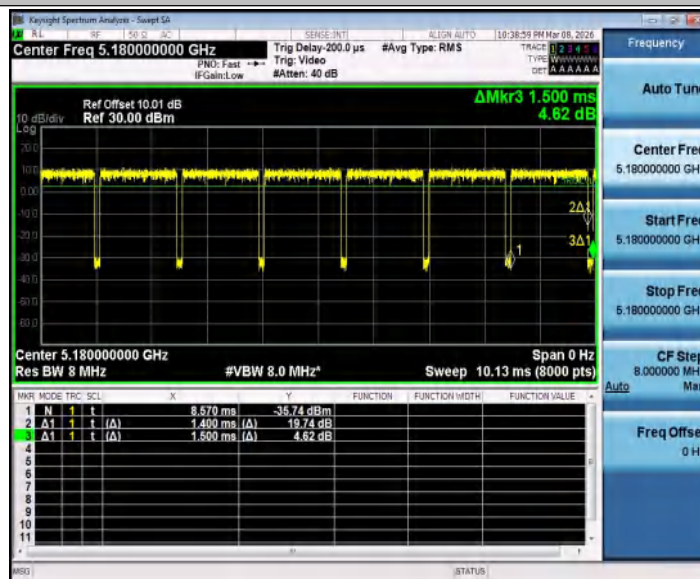
Appendix B.3: Duty Cycle

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	1.40	1.50	93.33	0.30	0.71
		5200	1.39	1.50	92.67	0.33	0.72
		5240	1.40	1.50	93.33	0.30	0.71
11N20SISO	Ant1	5180	1.31	1.41	92.91	0.32	0.76
		5200	1.31	1.41	92.91	0.32	0.76
		5240	1.30	1.41	92.20	0.35	0.77
11N40SISO	Ant1	5190	0.10	0.14	71.43	1.46	10.00
		5230	0.10	0.14	71.43	1.46	10.00
11AC20SISO	Ant1	5180	0.15	0.19	78.95	1.03	6.67
		5200	0.15	0.19	78.95	1.03	6.67
		5240	0.15	0.19	78.95	1.03	6.67
11AC40SISO	Ant1	5190	0.09	0.13	69.23	1.60	11.11
		5230	0.08	0.13	61.54	2.11	12.50
11AC80SISO	Ant1	5210	0.06	0.10	60.00	2.22	16.67

Test Graphs

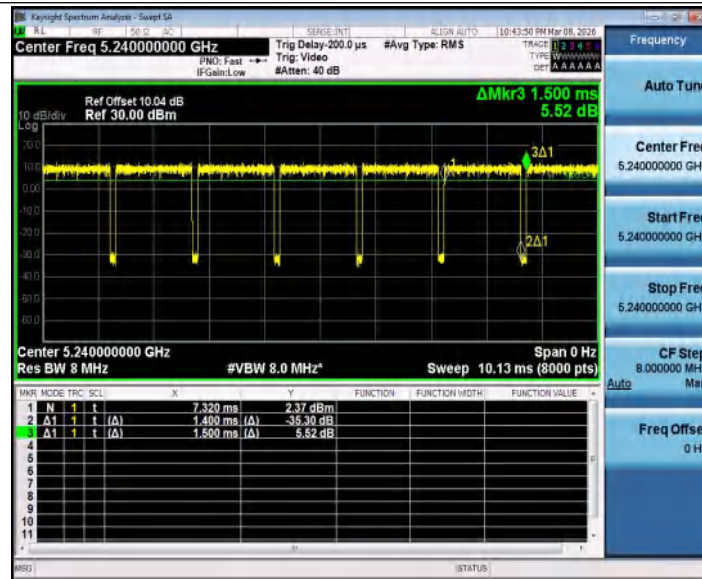
11A_Ant1_5180



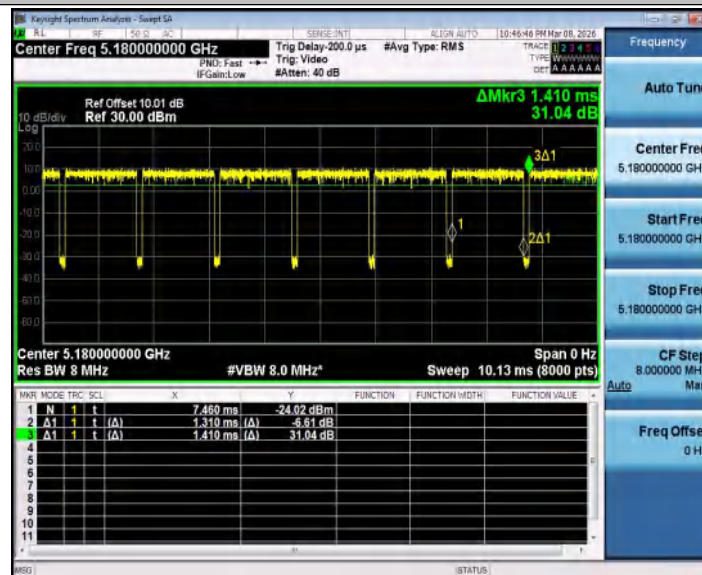
11A_Ant1_5200



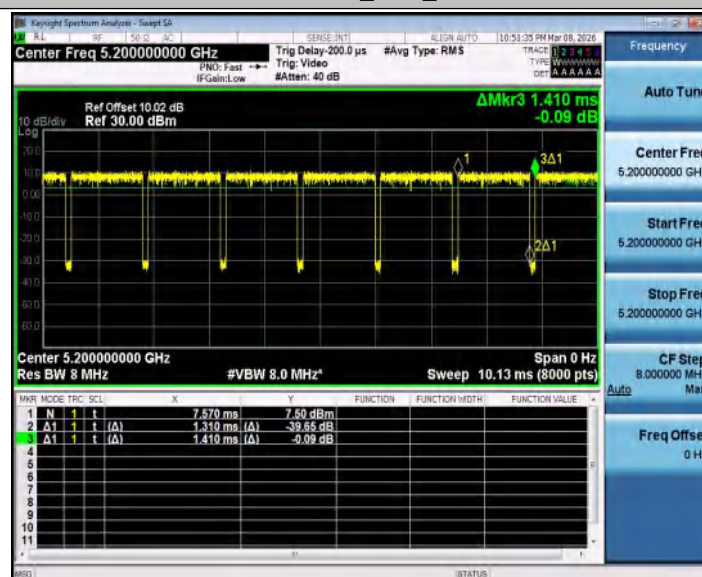
11A_Ant1_5240



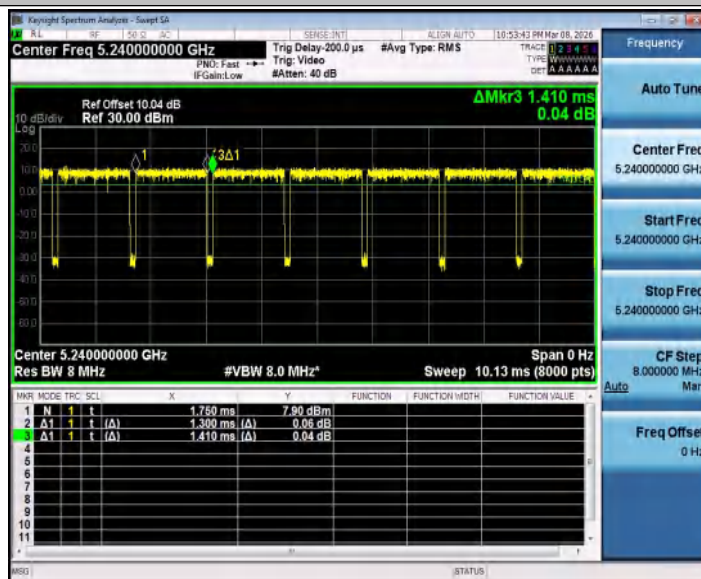
11N20SISO_Ant1_5180



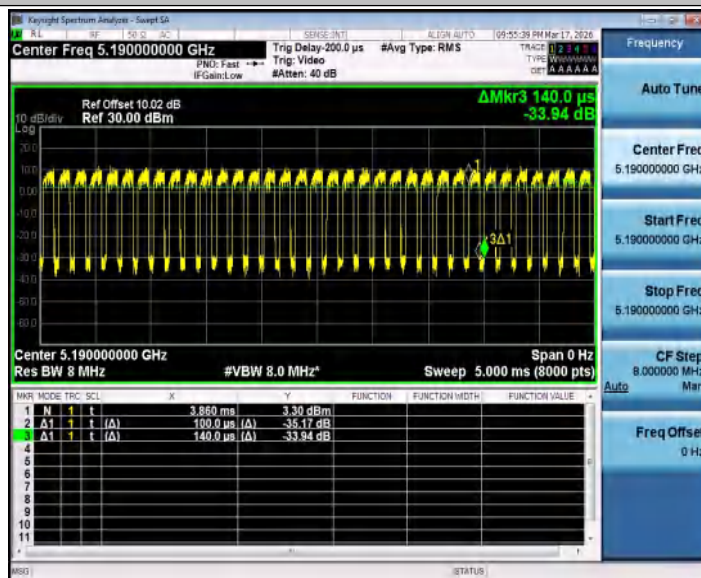
11N20SISO_Ant1_5200



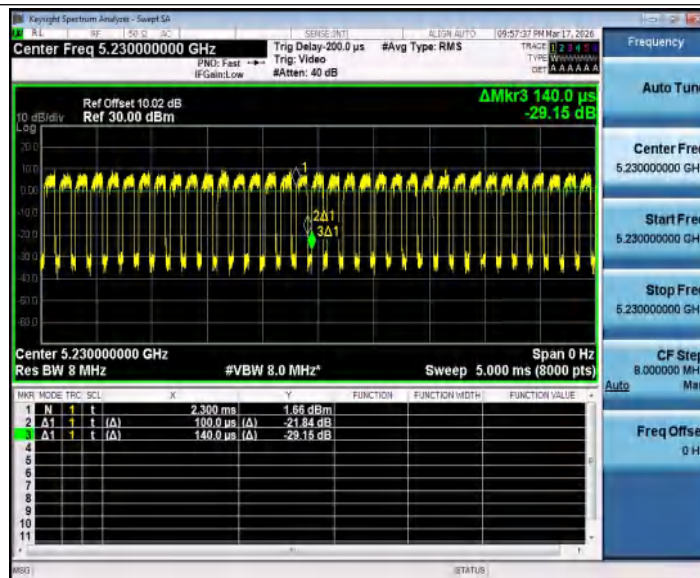
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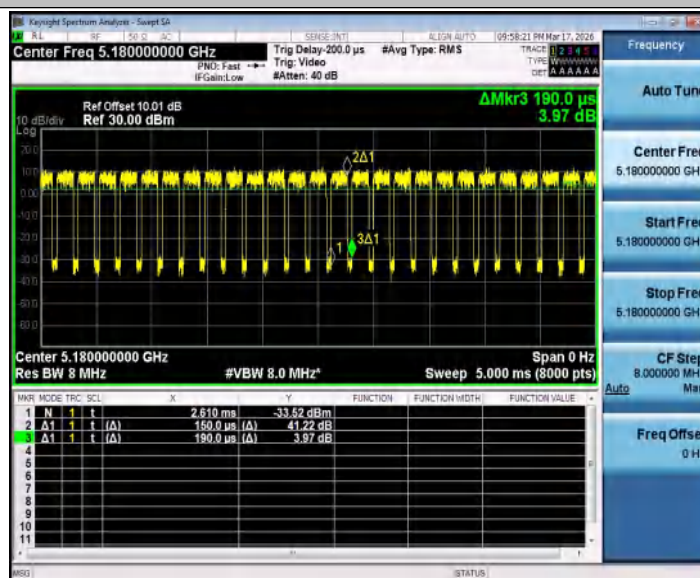
11N40SISO_Ant1_5190



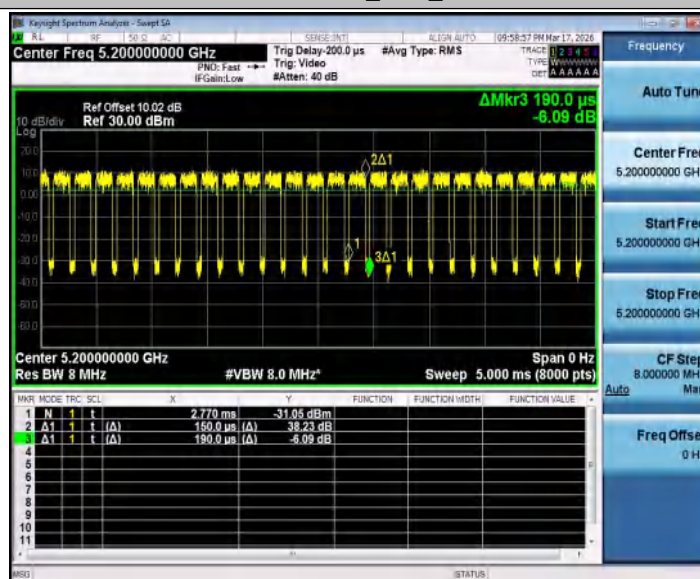
11N40SISO_Ant1_5230



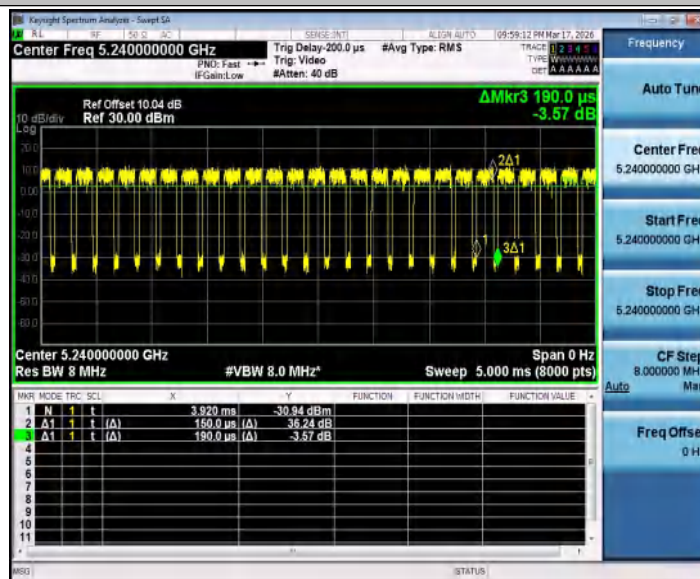
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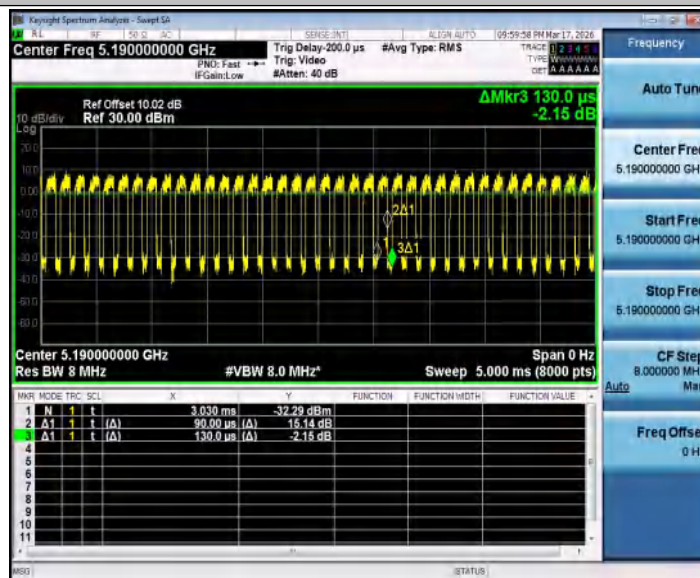
11AC20SISO_Ant1_5200



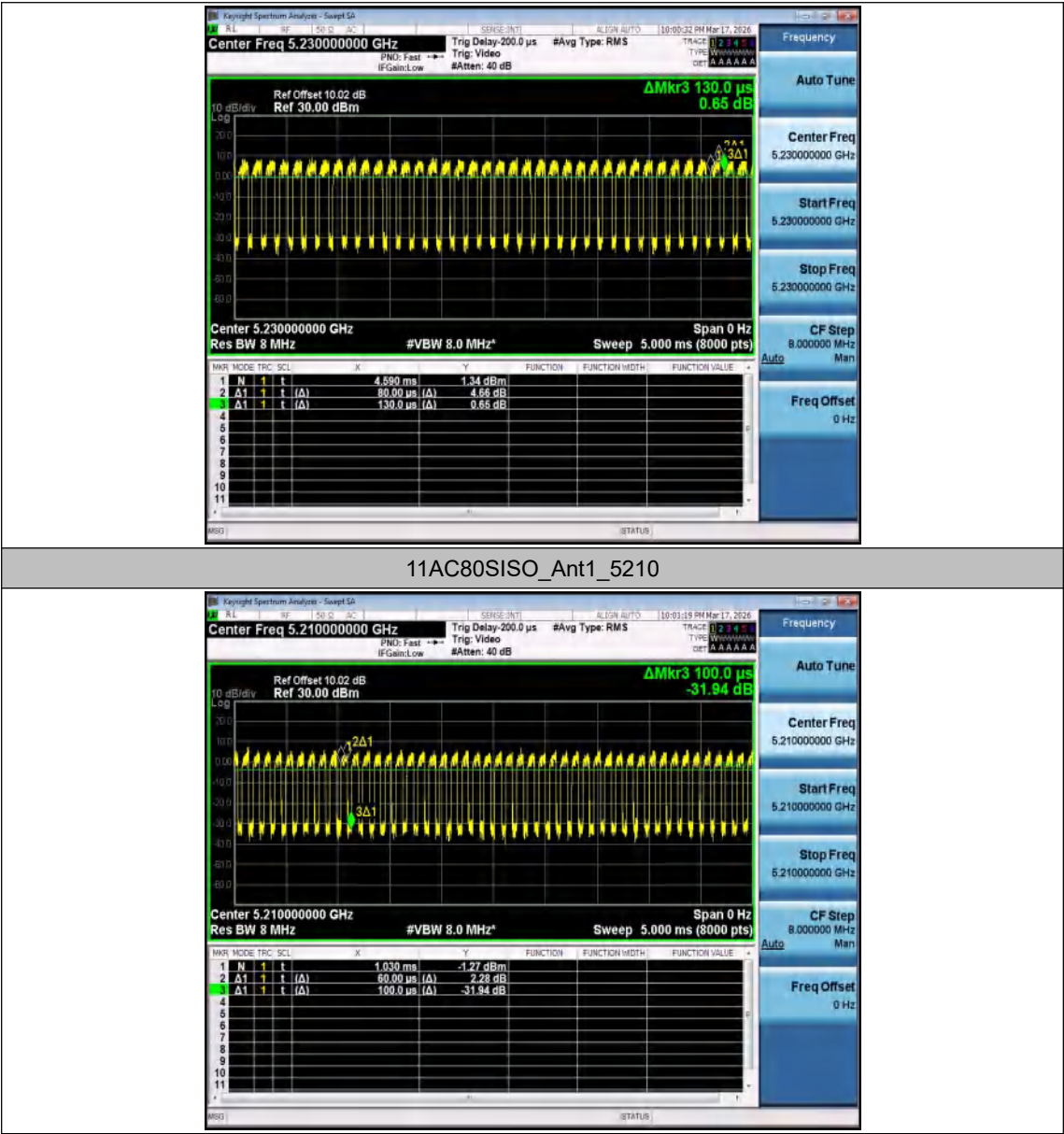
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



Appendix B.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	10.95	93.33	0.30	11.25	≤23.98	PASS
		5200	11.56	92.67	0.33	11.89	≤23.98	PASS
		5240	11.70	93.33	0.30	12.00	≤23.98	PASS
11N20SISO	Ant1	5180	10.77	92.91	0.32	11.09	≤23.98	PASS
		5200	11.15	92.91	0.32	11.47	≤23.98	PASS
		5240	11.33	92.20	0.35	11.68	≤23.98	PASS
11N40SISO	Ant1	5190	9.58	100.00	0.00	9.58	≤23.98	PASS
		5230	9.99	100.00	0.00	9.99	≤23.98	PASS
11AC20SISO	Ant1	5180	10.10	78.95	1.03	11.13	≤23.98	PASS
		5200	10.37	78.95	1.03	11.40	≤23.98	PASS
		5240	10.71	73.68	1.33	12.04	≤23.98	PASS
11AC40SISO	Ant1	5190	9.36	100.00	0.00	9.36	≤23.98	PASS
		5230	9.83	100.00	0.00	9.83	≤23.98	PASS
11AC80SISO	Ant1	5210	8.56	100.00	0.00	8.56	≤23.98	PASS

Note:

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

Appendix B.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	0.77	≤11.00	PASS
		5200	1.50	≤11.00	PASS
		5240	1.63	≤11.00	PASS
11N20SISO	Ant1	5180	0.38	≤11.00	PASS
		5200	0.82	≤11.00	PASS
		5240	1.13	≤11.00	PASS
11N40SISO	Ant1	5190	-4.05	≤11.00	PASS
		5230	-3.65	≤11.00	PASS
11AC20SISO	Ant1	5180	0.35	≤11.00	PASS
		5200	0.72	≤11.00	PASS
		5240	1.53	≤11.00	PASS
11AC40SISO	Ant1	5190	-4.18	≤11.00	PASS
		5230	-3.76	≤11.00	PASS
11AC80SISO	Ant1	5210	-7.51	≤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

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



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



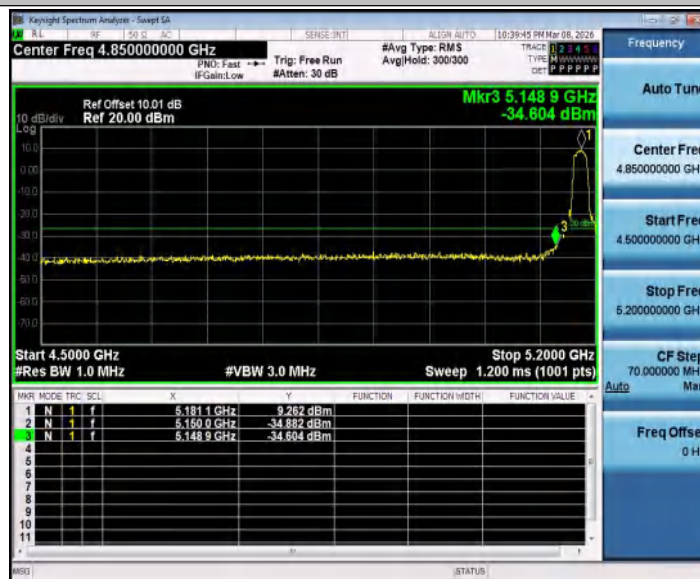
Appendix B.6: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-34.6	≤ -27	PASS
		High	5240	-37.07	≤ -27	PASS
11N20SISO	Ant1	Low	5180	-35.08	≤ -27	PASS
		High	5240	-37.45	≤ -27	PASS
11N40SISO	Ant1	Low	5190	-27.6	≤ -27	PASS
		High	5230	-37.63	≤ -27	PASS
11AC20SISO	Ant1	Low	5180	-36.14	≤ -27	PASS
		High	5240	-37.51	≤ -27	PASS
11AC40SISO	Ant1	Low	5190	-29.32	≤ -27	PASS
		High	5230	-37.48	≤ -27	PASS
11AC80SISO	Ant1	Low	5210	-30.39	≤ -27	PASS
		High	5210	-37.14	≤ -27	PASS

Test Graphs

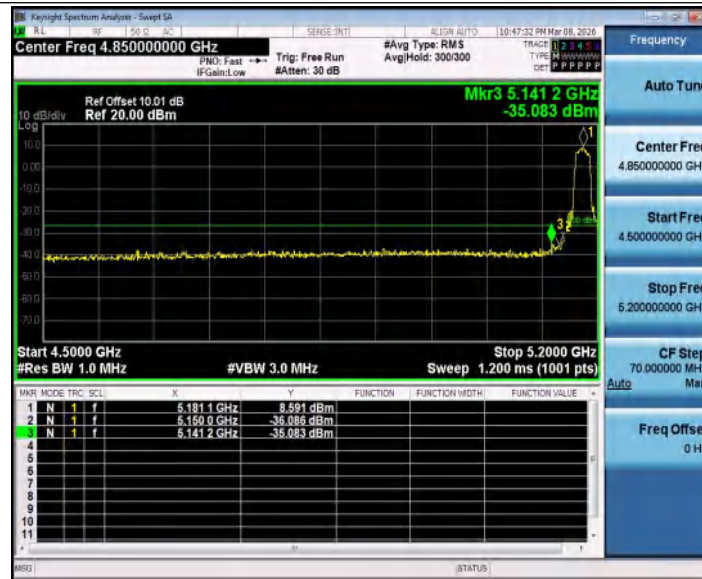
11A_Ant1_Low_5180



11A_Ant1_High_5240



11N20SISO_Ant1_Low_5180



11N20SISO_Ant1_High_5240



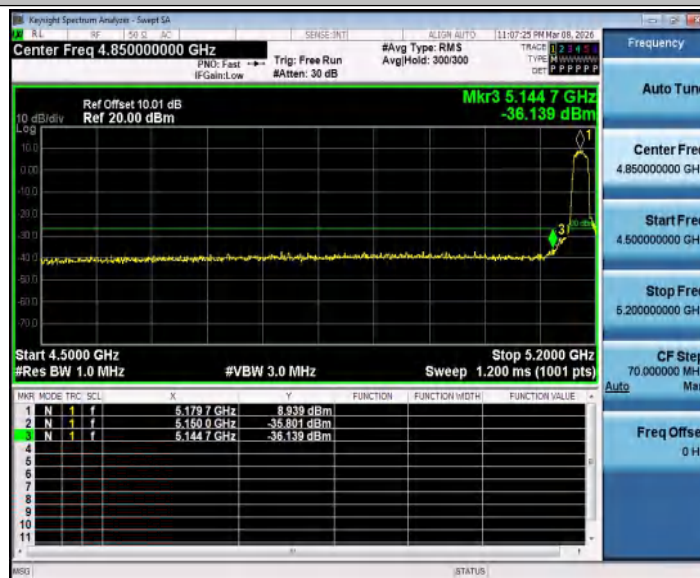
11N40SISO_Ant1_Low_5190



11N40SISO_Ant1_High_5230



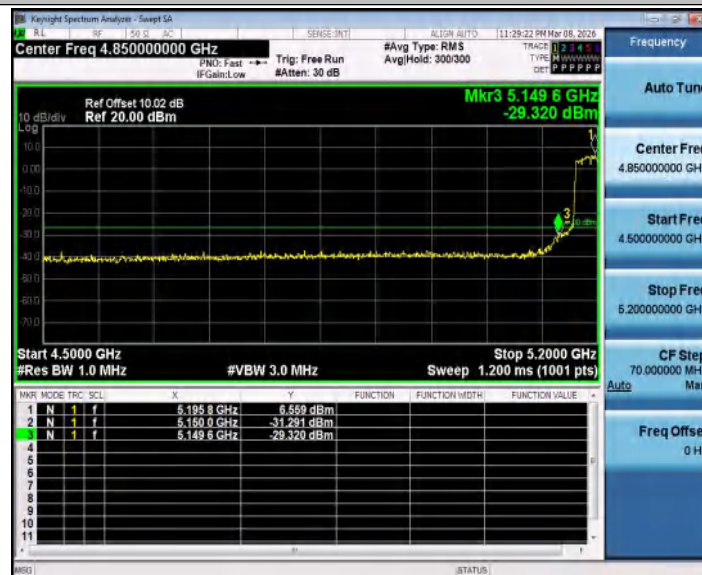
11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240



11AC40SISO_Ant1_Low_5190



11AC40SISO_Ant1_High_5230



11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210



Appendix B.7: Conducted Spurious Emission

Test Result

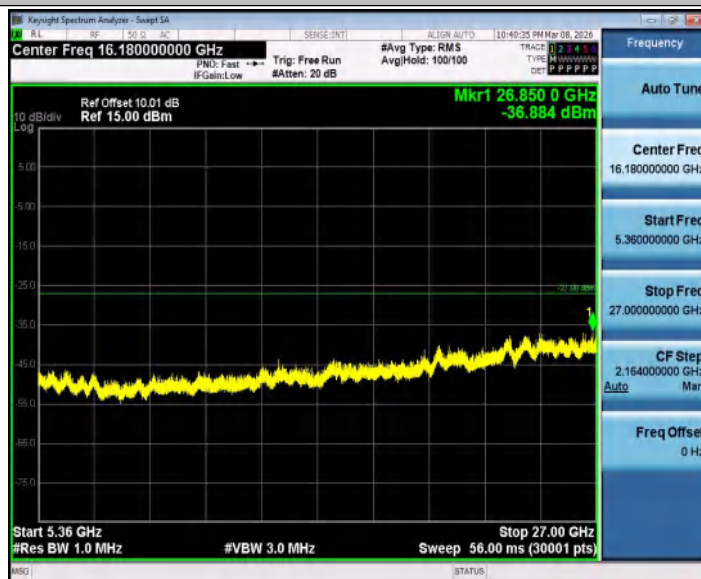
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	5137.27	-40.42	≤-27	PASS
			5360~27000	26849.96	-36.88	≤-27	PASS
		5200	30~5140	5139.32	-45.44	≤-27	PASS
			5360~27000	24812.2	-37.32	≤-27	PASS
		5240	30~5140	3292.74	-45.89	≤-27	PASS
			5360~27000	26551.33	-37.31	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5134.04	-40.6	≤-27	PASS
			5360~27000	24180.31	-37.48	≤-27	PASS
		5200	30~5140	5014.29	-46.24	≤-27	PASS
			5360~27000	25048.07	-37.69	≤-27	PASS
		5240	30~5140	4883.14	-46.19	≤-27	PASS
			5360~27000	26552.77	-36.35	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5138.47	-32.94	≤-27	PASS
			5360~27000	24338.28	-37.26	≤-27	PASS
		5230	30~5140	5129.78	-44.66	≤-27	PASS
			5360~27000	24222.87	-37.37	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	5139.49	-41.92	≤-27	PASS
			5360~27000	24347.66	-36.81	≤-27	PASS
		5200	30~5140	2624.18	-45.39	≤-27	PASS
			5360~27000	24217.1	-37.08	≤-27	PASS
		5240	30~5140	5016.34	-45.92	≤-27	PASS
			5360~27000	26008.89	-37.58	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5133.19	-37.72	≤-27	PASS
			5360~27000	26044.23	-37.29	≤-27	PASS
		5230	30~5140	5133.7	-45.81	≤-27	PASS
			5360~27000	26686.94	-37.41	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5120.92	-32.47	≤-27	PASS
			5360~27000	24263.98	-36.51	≤-27	PASS

Test Graphs

11A_Ant1_5180_30~5140



11A_Ant1_5180_5360~27000



11A_Ant1_5200_30~5140



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



11N20ISO_Ant1_5200_30~5140



11N20ISO_Ant1_5200_5360~27000



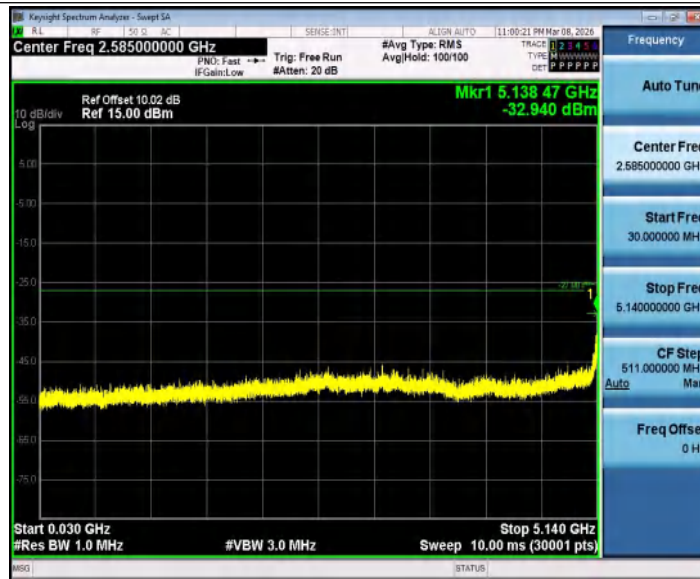
11N20SISO_Ant1_5240_30~5140



11N20SISO_Ant1_5240_5360~27000



11N40SISO_Ant1_5190_30~5140



11N40SISO_Ant1_5190_5360~27000



11N40SISO_Ant1_5230_30~5140



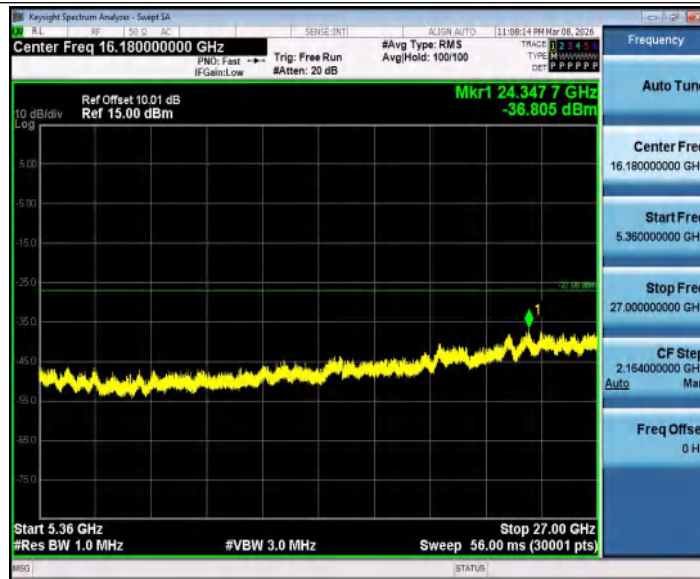
11N40SISO_Ant1_5230_5360~27000



11AC20SISO_Ant1_5180_30~5140



11AC20SISO_Ant1_5180_5360~27000



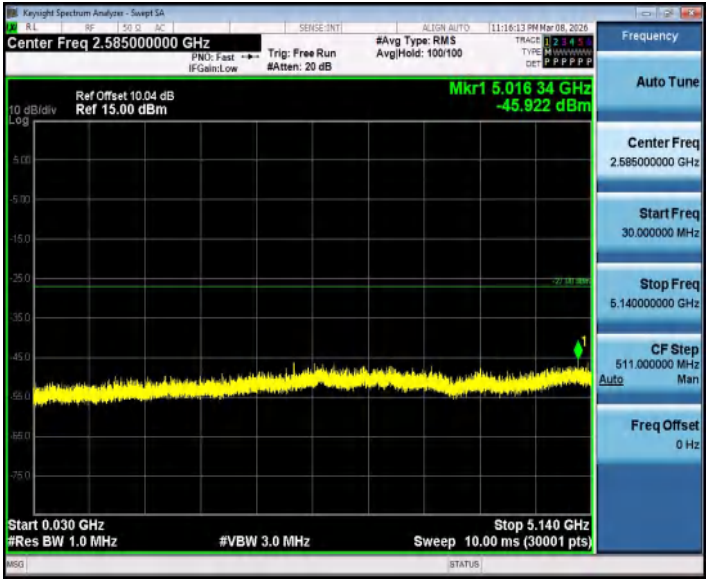
11AC20SISO_Ant1_5200_30~5140



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



11AC40SISO_Ant1_5230_5360~27000



11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~27000



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	-47.86	≤-41.20	47.34	≤54	PASS
				AV	5148.900	-43.66	≤-41.20	51.54	≤54	PASS
				AV	5150.000	-43.23	≤-41.20	51.97	≤54	PASS
				Peak	4500.000	-42.19	≤-21.20	53.01	≤74	PASS
				Peak	5147.500	-32.2	≤-21.20	63.00	≤74	PASS
				Peak	5150.000	-33.36	≤-21.20	61.84	≤74	PASS
		High	5240	AV	5350.000	-46.61	≤-41.20	48.59	≤54	PASS
				AV	5440.080	-45.43	≤-41.20	49.77	≤54	PASS
				AV	5460.000	-46.03	≤-41.20	49.17	≤54	PASS
				Peak	5350.000	-42.71	≤-21.20	52.49	≤74	PASS
				Peak	5365.200	-36.61	≤-21.20	58.59	≤74	PASS
				Peak	5460.000	-42.26	≤-21.20	52.94	≤74	PASS
11N20SIS O	Ant1	Low	5180	AV	4500.000	-47.8	≤-41.20	47.40	≤54	PASS
				AV	5149.600	-42.92	≤-41.20	52.28	≤54	PASS
				AV	5150.000	-42.99	≤-41.20	52.21	≤54	PASS
				Peak	4500.000	-40.4	≤-21.20	54.80	≤74	PASS
				Peak	5148.200	-34.3	≤-21.20	60.90	≤74	PASS
				Peak	5150.000	-36.69	≤-21.20	58.51	≤74	PASS
		High	5240	AV	5350.000	-46.67	≤-41.20	48.53	≤54	PASS
				AV	5448.960	-45.48	≤-41.20	49.72	≤54	PASS
				AV	5460.000	-45.81	≤-41.20	49.39	≤54	PASS
				Peak	5350.000	-39.73	≤-21.20	55.47	≤74	PASS
				Peak	5379.840	-36.57	≤-21.20	58.63	≤74	PASS
				Peak	5460.000	-38.76	≤-21.20	56.44	≤74	PASS
11N40SIS O	Ant1	Low	5190	AV	4500.000	-46.48	≤-41.20	48.72	≤54	PASS
				AV	5146.100	-43.48	≤-41.20	51.72	≤54	PASS
				AV	5150.000	-44.69	≤-41.20	50.51	≤54	PASS
				Peak	4500.000	-41.12	≤-21.20	54.08	≤74	PASS
				Peak	5137.700	-35.19	≤-21.20	60.01	≤74	PASS
				Peak	5150.000	-36.81	≤-21.20	58.39	≤74	PASS
		High	5230	AV	5350.000	-45.84	≤-41.20	49.36	≤54	PASS
				AV	5452.200	-44.23	≤-41.20	50.97	≤54	PASS
				AV	5460.000	-45.79	≤-41.20	49.41	≤54	PASS
				Peak	5350.000	-40.97	≤-21.20	54.23	≤74	PASS
				Peak	5459.740	-35.99	≤-21.20	59.21	≤74	PASS
				Peak	5460.000	-41.79	≤-21.20	53.41	≤74	PASS

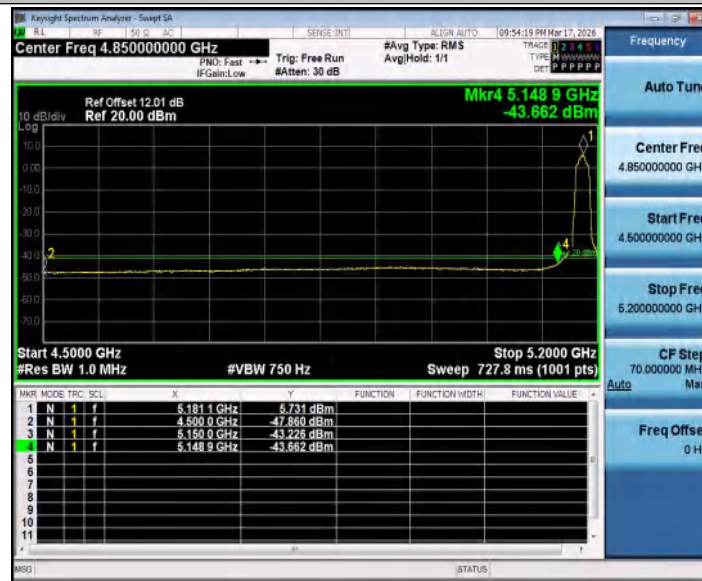
11AC20SI SO	Ant1	Low	5180	AV	4500.000	-47.82	≤-41.20	47.38	≤54	PASS
				AV	4955.700	-43.99	≤-41.20	51.21	≤54	PASS
				AV	5150.000	-46.2	≤-41.20	49.00	≤54	PASS
				Peak	4500.000	-42.52	≤-21.20	52.68	≤74	PASS
				Peak	4987.900	-36.59	≤-21.20	58.61	≤74	PASS
				Peak	5150.000	-39.88	≤-21.20	55.32	≤74	PASS
		High	5240	AV	5350.000	-46.53	≤-41.20	48.67	≤54	PASS
				AV	5455.440	-44.12	≤-41.20	51.08	≤54	PASS
				AV	5460.000	-44.83	≤-41.20	50.37	≤54	PASS
				Peak	5350.000	-41.71	≤-21.20	53.49	≤74	PASS
				Peak	5398.800	-36.43	≤-21.20	58.77	≤74	PASS
				Peak	5460.000	-39.66	≤-21.20	55.54	≤74	PASS
11AC40SI SO	Ant1	Low	5190	AV	4500.000	-45.66	≤-41.20	49.54	≤54	PASS
				AV	5149.600	-41.8	≤-41.20	53.40	≤54	PASS
				AV	5150.000	-43.31	≤-41.20	51.89	≤54	PASS
				Peak	4500.000	-41.18	≤-21.20	54.02	≤74	PASS
				Peak	5095.700	-35.11	≤-21.20	60.09	≤74	PASS
				Peak	5150.000	-37.04	≤-21.20	58.16	≤74	PASS
		High	5230	AV	5350.000	-47.14	≤-41.20	48.06	≤54	PASS
				AV	5424.640	-43.63	≤-41.20	51.57	≤54	PASS
				AV	5460.000	-45.76	≤-41.20	49.44	≤54	PASS
				Peak	5350.000	-40.11	≤-21.20	55.09	≤74	PASS
				Peak	5445.700	-36.42	≤-21.20	58.78	≤74	PASS
				Peak	5460.000	-38.29	≤-21.20	56.91	≤74	PASS
11AC80SI SO	Ant1	Low	5210	AV	4500.000	-47.89	≤-41.20	47.31	≤54	PASS
				AV	5146.500	-41.32	≤-41.20	53.88	≤54	PASS
				AV	5150.000	-43.44	≤-41.20	51.76	≤54	PASS
				Peak	4500.000	-49.91	≤-21.20	45.29	≤74	PASS
				Peak	5124.750	-32.95	≤-21.20	62.25	≤74	PASS
				Peak	5150.000	-39.68	≤-21.20	55.52	≤74	PASS
		High	5210	AV	5350.000	-46.91	≤-41.20	48.29	≤54	PASS
				AV	5370.960	-43.48	≤-41.20	51.72	≤54	PASS
				AV	5460.000	-45.35	≤-41.20	49.85	≤54	PASS
				Peak	5350.000	-40.43	≤-21.20	54.77	≤74	PASS
				Peak	5454.960	-36.09	≤-21.20	59.11	≤74	PASS
				Peak	5460.000	-39.59	≤-21.20	55.61	≤74	PASS

Note:

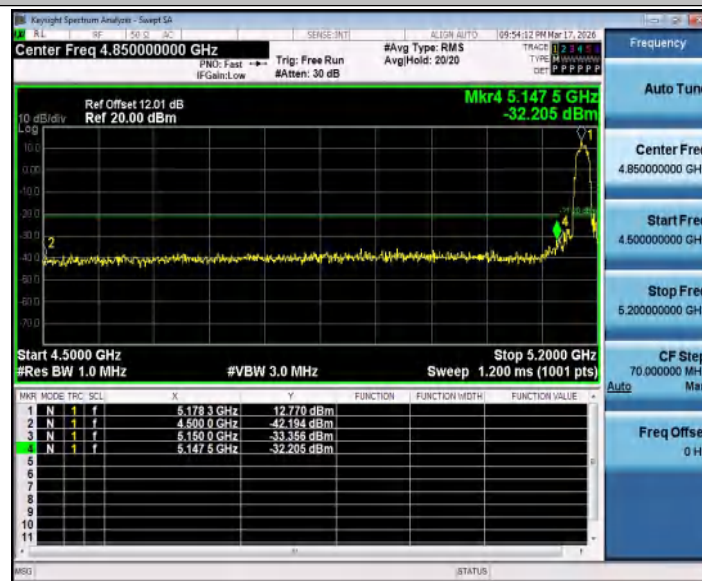
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs

11A_Ant1_Low_5180_AV



11A_Ant1_Low_5180_Peak



11A_Ant1_High_5240_AV



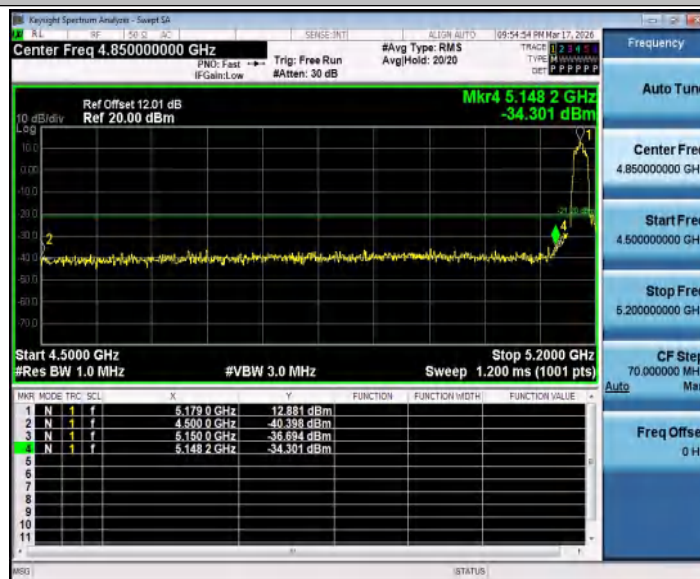
11A_Ant1_High_5240_Peak



11N20SISO_Ant1_Low_5180_AV



11N20SISO_Ant1_Low_5180_Peak



11N20SISO_Ant1_High_5240_AV



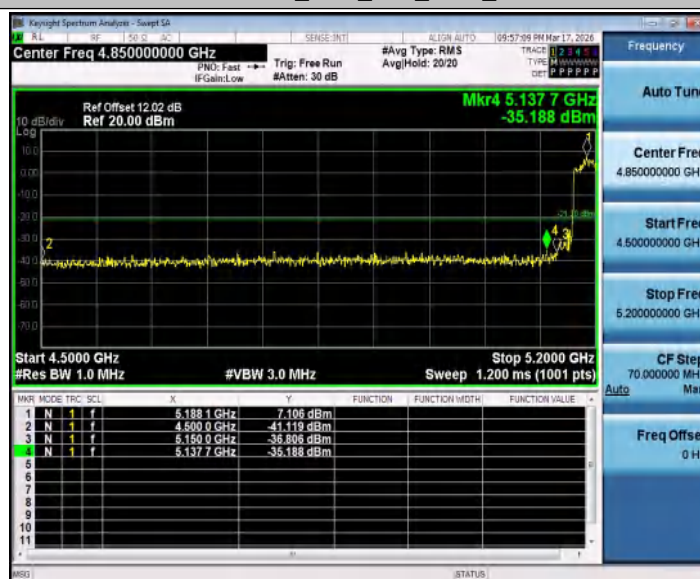
11N20SISO_Ant1_High_5240_Peak



11N40SISO_Ant1_Low_5190_AV



11N40SISO_Ant1_Low_5190_Peak



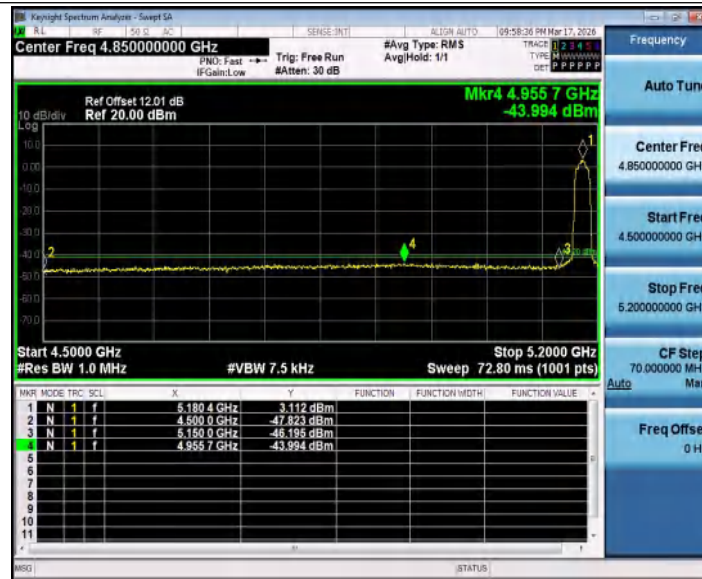
11N40SISO_Ant1_High_5230_AV



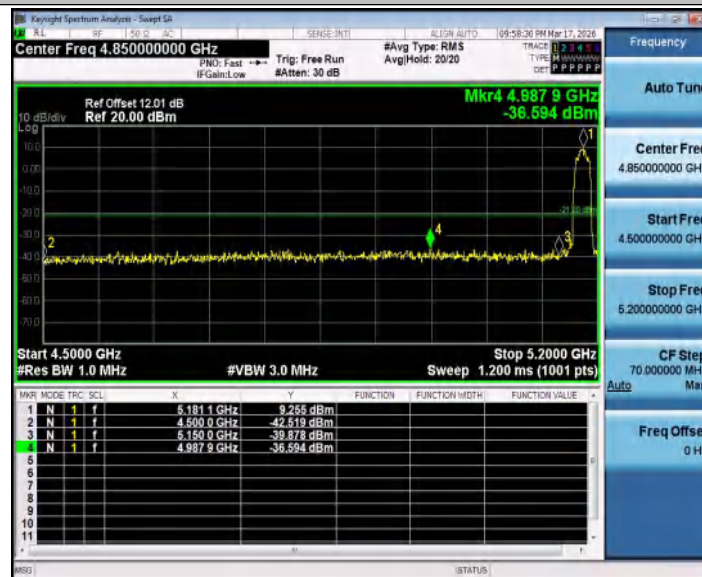
11N40SISO_Ant1_High_5230_Peak



11AC20SISO_Ant1_Low_5180_AV



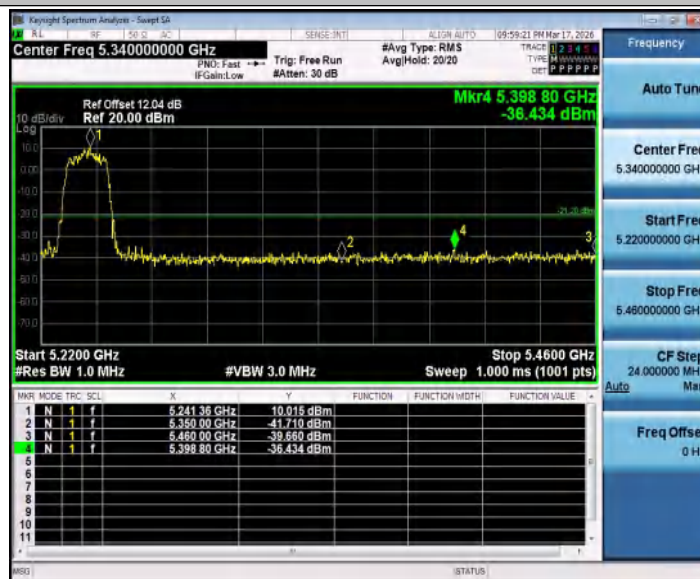
11AC20SISO_Ant1_Low_5180_Peak



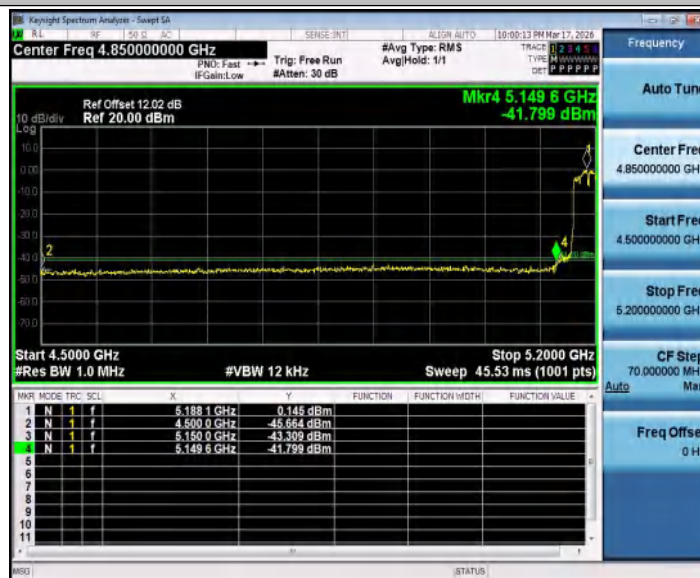
11AC20SISO_Ant1_High_5240_AV



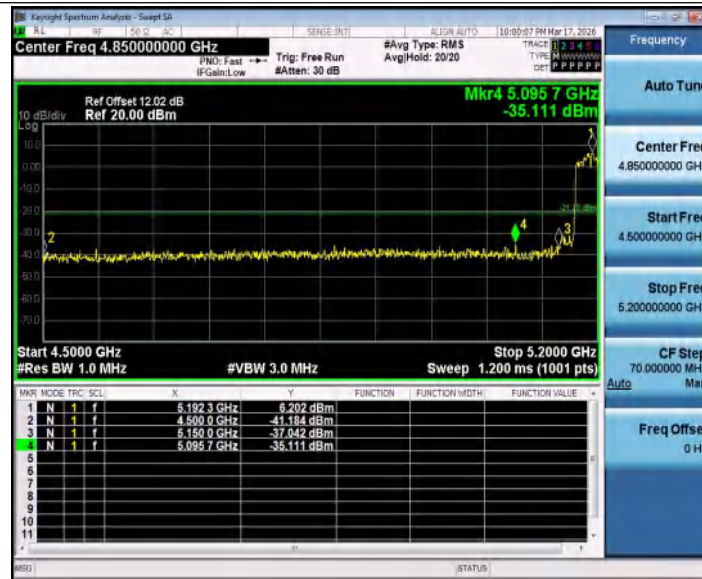
11AC20SISO_Ant1_High_5240_Peak



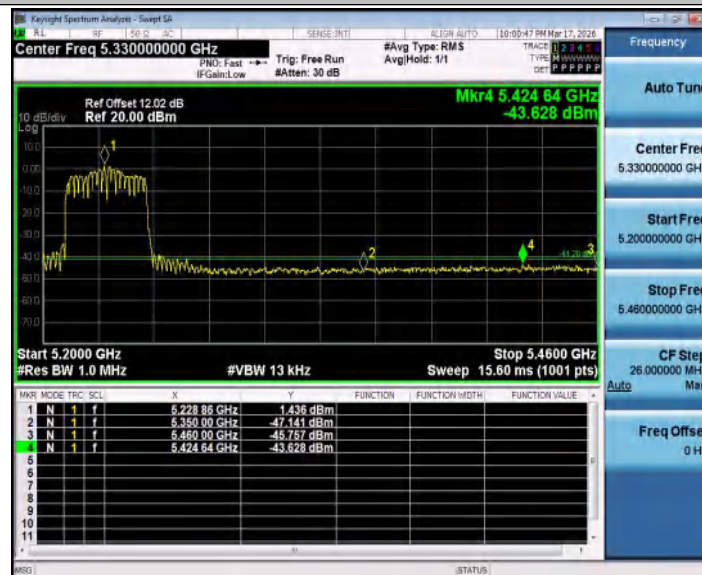
11AC40SISO_Ant1_Low_5190_AV



11AC40SISO_Ant1_Low_5190_Peak



11AC40SISO_Ant1_High_5230_AV



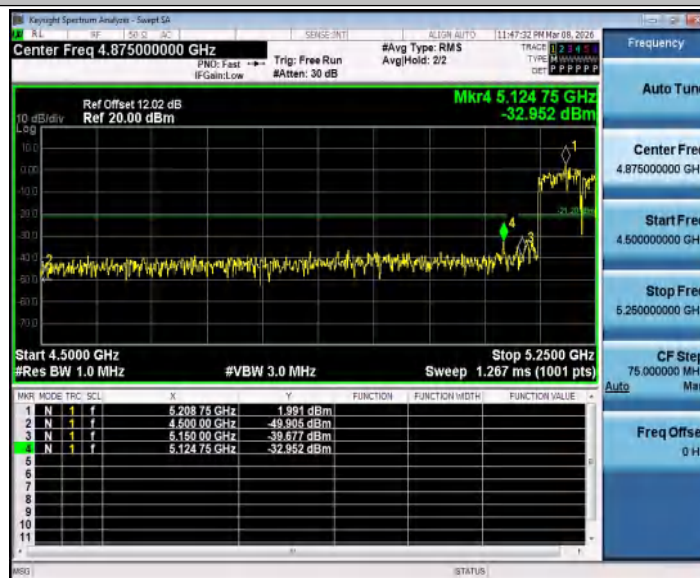
11AC40SISO_Ant1_High_5230_Peak



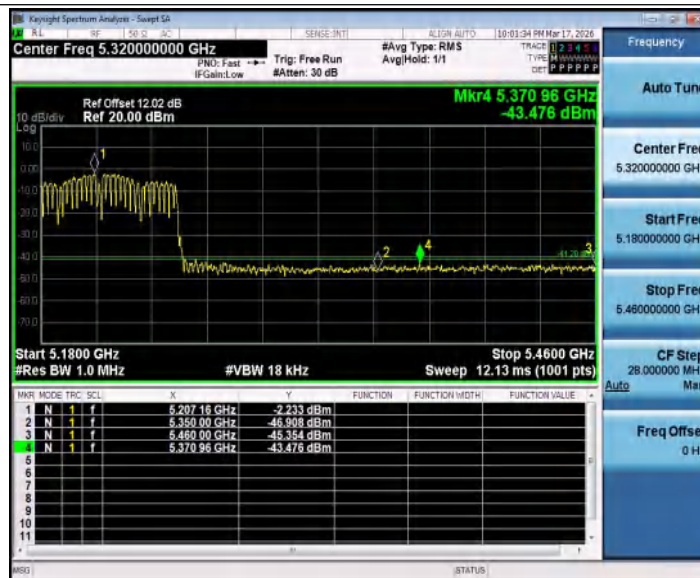
11AC80SISO_Ant1_Low_5210_AV



11AC80SISO_Ant1_Low_5210_Peak



11AC80SISO_Ant1_High_5210_AV



11AC80SISO_Ant1_High_5210_Peak

