

Case No. : <u>GTS20260122012-1-03</u>	
Ambient Condition: <u>23</u> °C, <u>49</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2026.4.09</u>	Test Engineer: <u>Evan ouyang</u>

Appendix C.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	20.920	5249.520	5270.440	---	---
		5280	20.960	5269.480	5290.440	---	---
		5320	21.120	5309.440	5330.560	---	---
11N20SISO	Ant1	5260	21.160	5249.400	5270.560	---	---
		5280	21.160	5269.360	5290.520	---	---
		5320	21.400	5309.240	5330.640	---	---
11N40SISO	Ant1	5270	39.120	5250.400	5289.520	---	---
		5310	39.120	5290.480	5329.600	---	---
11AC20SISO	Ant1	5260	21.080	5249.400	5270.480	---	---
		5280	20.880	5269.480	5290.360	---	---
		5320	20.840	5309.480	5330.320	---	---
11AC40SISO	Ant1	5270	39.680	5250.160	5289.840	---	---
		5310	39.760	5290.160	5329.920	---	---
11AC80SISO	Ant1	5290	80.800	5249.680	5330.480	---	---

Test Graphs

11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



Appendix C.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	17.146	5251.3469	5268.4929	---	---
		5280	17.171	5271.3234	5288.4944	---	---
		5320	17.214	5311.3752	5328.5892	---	---
11N20SISO	Ant1	5260	18.099	5250.9466	5269.0456	---	---
		5280	18.221	5270.8254	5289.0464	---	---
		5320	18.199	5310.9282	5329.1272	---	---
11N40SISO	Ant1	5270	36.160	5251.9007	5288.0607	---	---
		5310	36.325	5291.8476	5328.1726	---	---
11AC20SISO	Ant1	5260	18.015	5250.8958	5268.9108	---	---
		5280	18.039	5270.8899	5288.9289	---	---
		5320	18.027	5310.9362	5328.9632	---	---
11AC40SISO	Ant1	5270	36.438	5251.6568	5288.0948	---	---
		5310	36.504	5291.6941	5328.1981	---	---
11AC80SISO	Ant1	5290	75.549	5252.2672	5327.8162	---	---

Test Graphs

11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



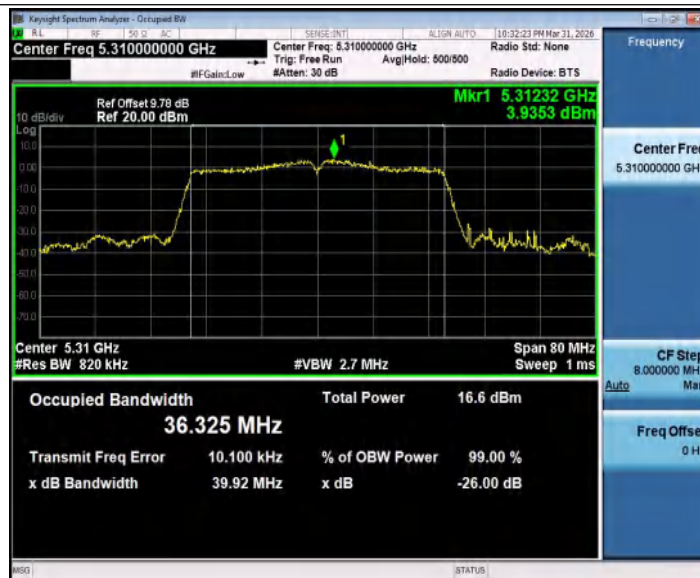
11N20SISO_Ant1_5320



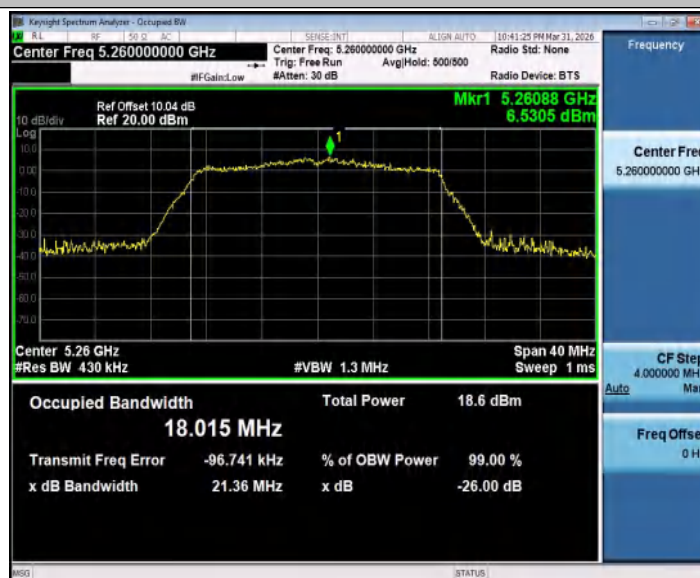
11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



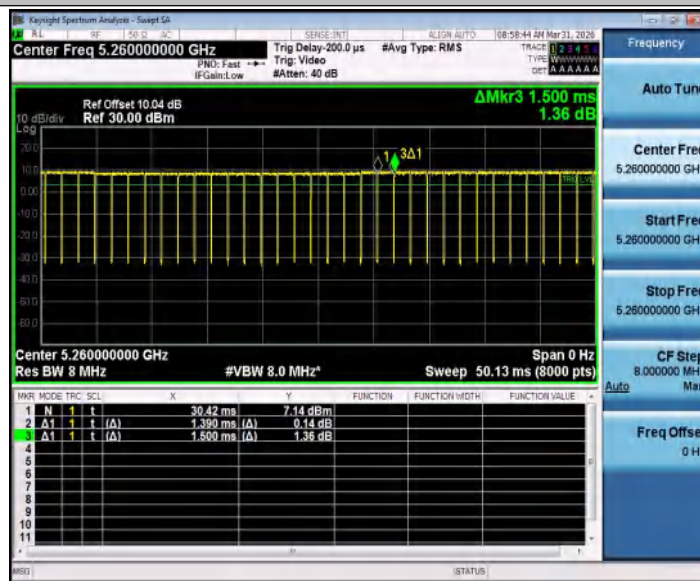
Appendix C.3: Duty Cycle

Test Result

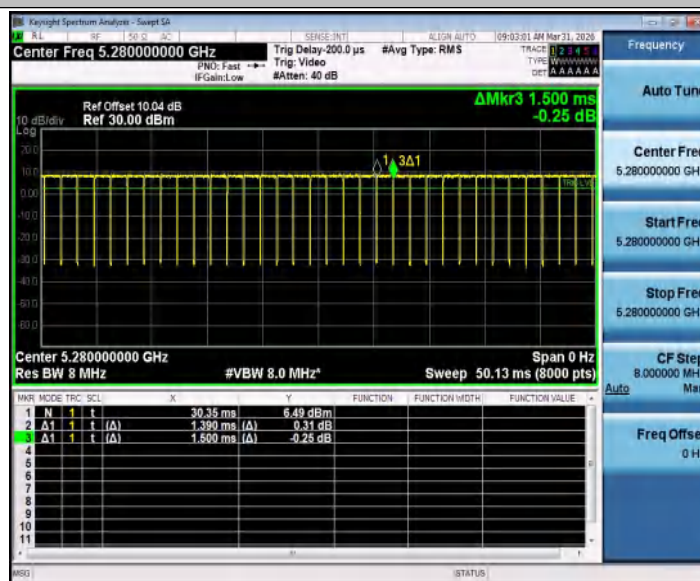
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5260	1.39	1.50	92.67	0.33	0.72
		5280	1.39	1.50	92.67	0.33	0.72
		5320	1.39	1.49	93.29	0.30	0.72
11N20SISO	Ant1	5260	1.30	1.41	92.20	0.35	0.77
		5280	1.30	1.41	92.20	0.35	0.77
		5320	1.31	1.41	92.91	0.32	0.76
11N40SISO	Ant1	5270	0.10	0.20	50.00	3.01	10.00
		5310	0.10	0.21	47.62	3.22	10.00
11AC20SISO	Ant1	5260	0.15	0.19	78.95	1.03	6.67
		5280	0.15	0.19	78.95	1.03	6.67
		5320	0.14	0.19	73.68	1.33	7.14
11AC40SISO	Ant1	5270	0.09	0.13	69.23	1.60	11.11
		5310	0.09	0.13	69.23	1.60	11.11
11AC80SISO	Ant1	5290	0.06	0.10	60.00	2.22	16.67

Test Graphs

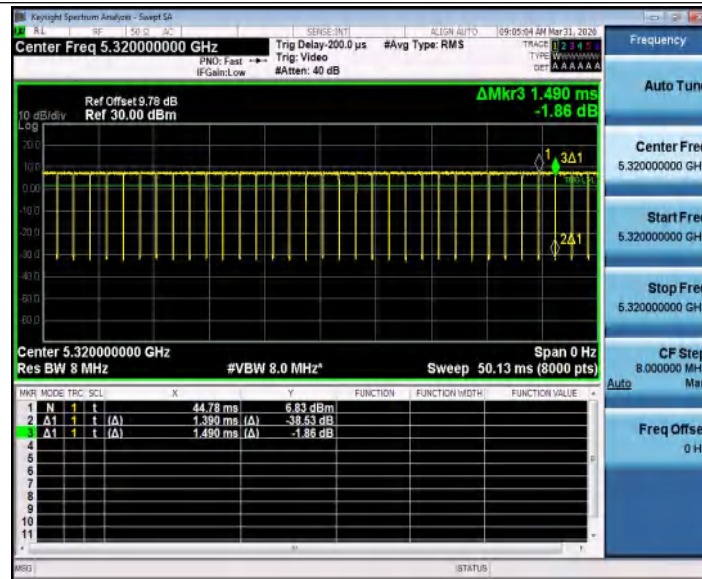
11A_Ant1_5260



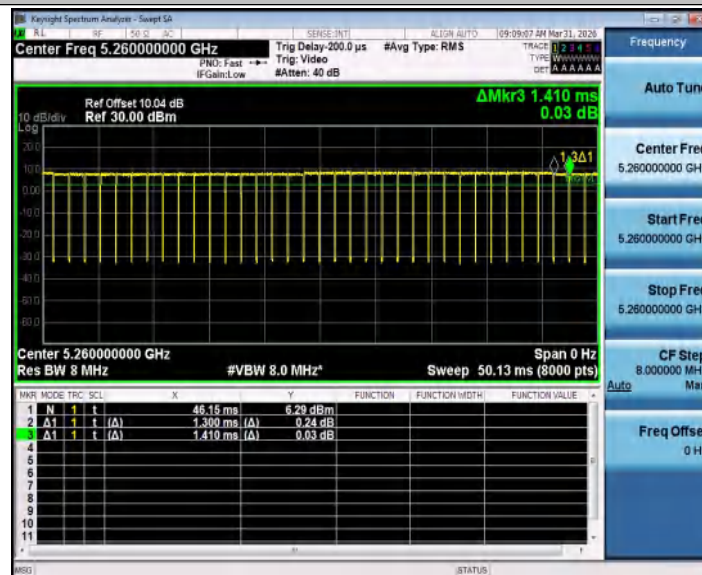
11A_Ant1_5280



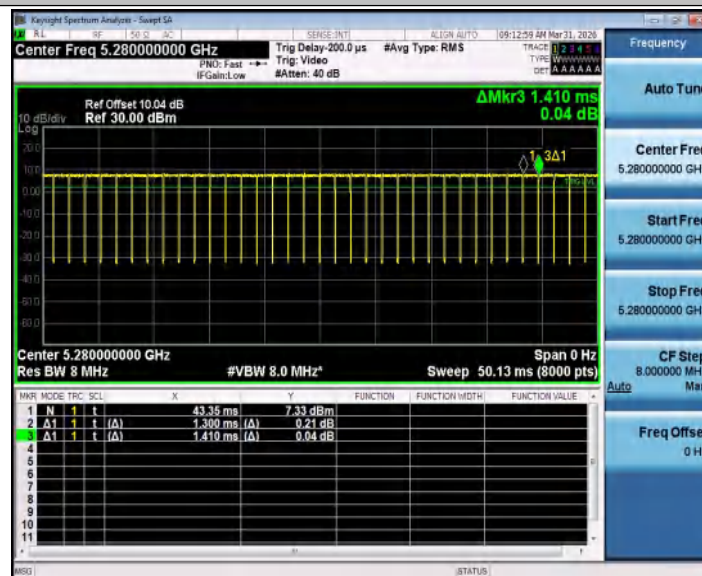
11A_Ant1_5320



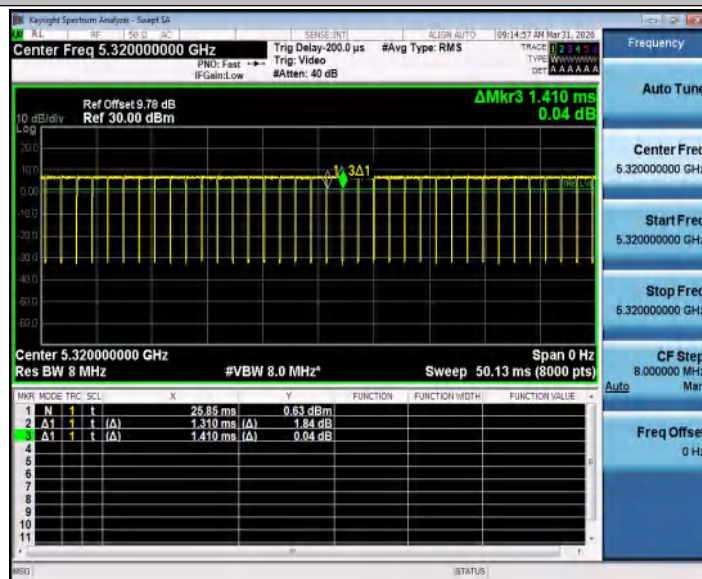
11N20SISO_Ant1_5260



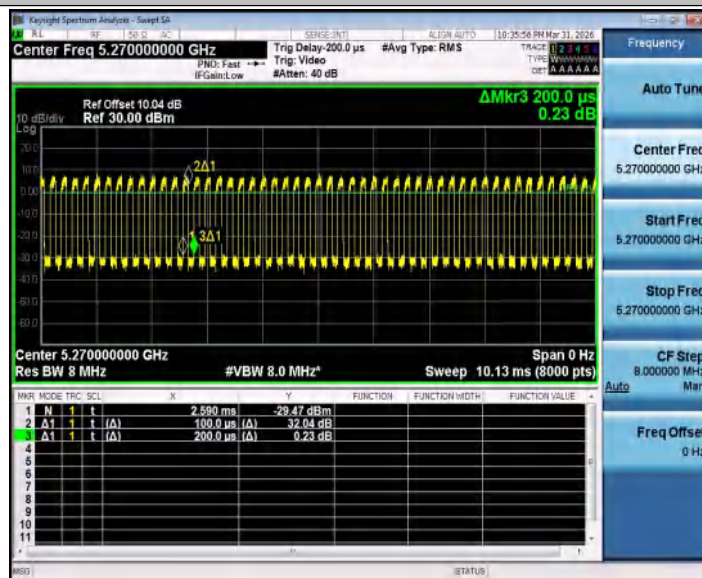
11N20SISO_Ant1_5280



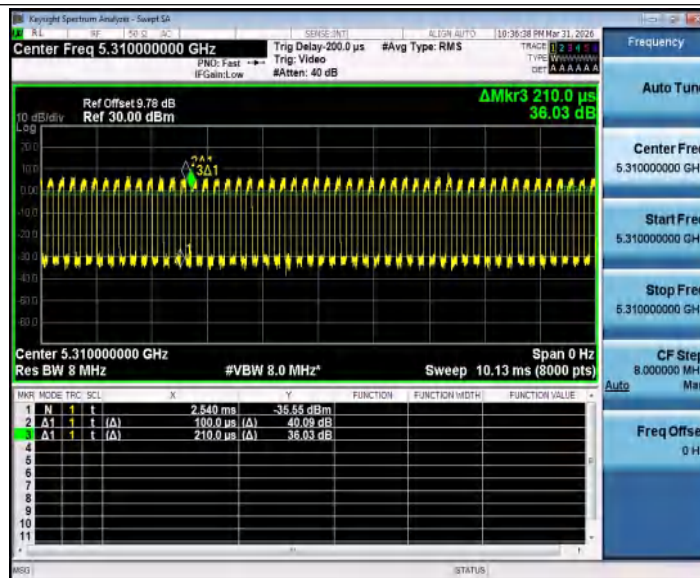
11N20SISO_Ant1_5320



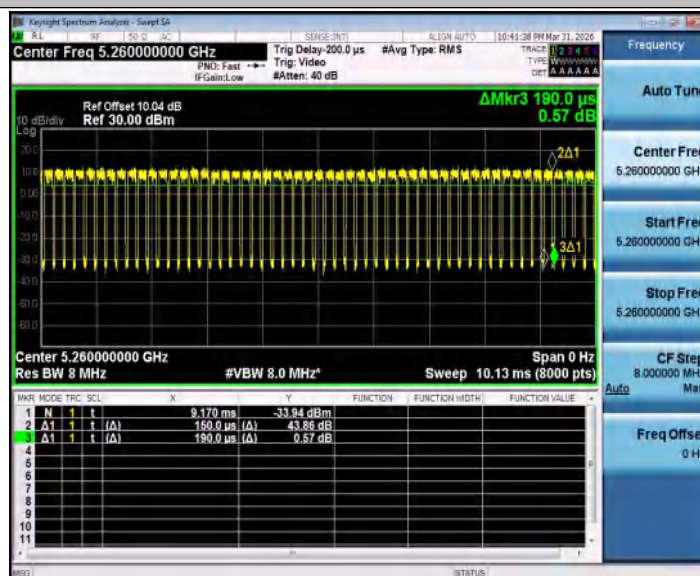
11N40SISO_Ant1_5270



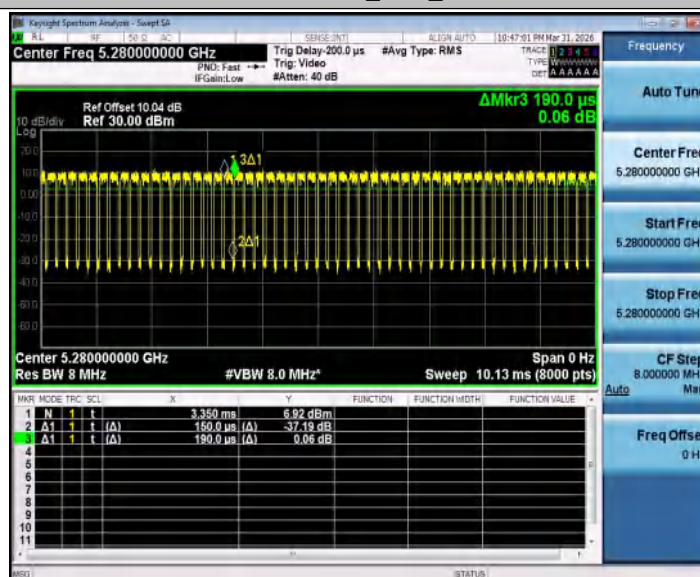
11N40SISO_Ant1_5310



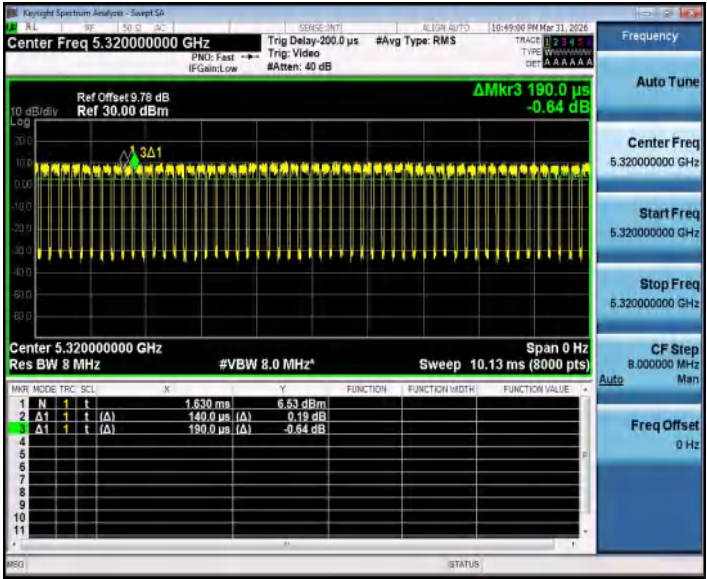
11AC20SISO_Ant1_5260



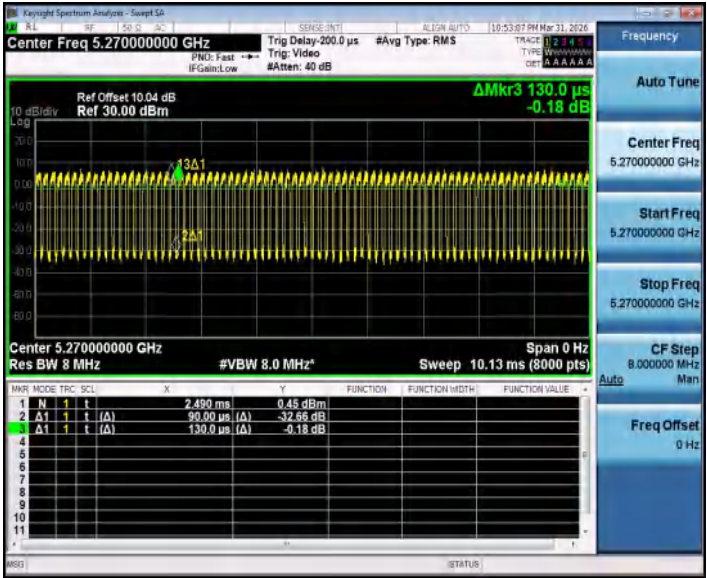
11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310

Keysight Spectrum Analyzer - Sweep SA

Center Freq 5.290000000 GHz

Trig Delay: 200.0 μ s #Avg Type: RMS

Ref Offset 9.78 dB Ref 30.00 dBm

Δ Mkr3 100.0 μ s -27.13 dB

Center 5.290000000 GHz Span 0 Hz

Res BW 8 MHz #VBW 8.0 MHz* Sweep 10.13 ms (8000 pts)

MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION MATH	FUNCTION VALUE
1	N	1	t	1.630 ms	-3.25 dBm			
2	A1	1	t (A)	60.00 μ s (A)	-1.16 dB			
3	A1	1	t (A)	100.0 μ s (A)	-27.13 dB			

Appendix C.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	5260	10.36	92.67	0.33	10.69	≤23.98	PASS
		5280	9.95	92.67	0.33	10.28	≤23.98	PASS
		5320	8.94	93.29	0.30	9.24	≤23.98	PASS
11N20SISO	Ant1	5260	9.86	92.20	0.35	10.21	≤23.98	PASS
		5280	9.52	92.20	0.35	9.87	≤23.98	PASS
		5320	8.53	92.91	0.32	8.85	≤23.98	PASS
11N40SISO	Ant1	5270	8.23	69.23	1.60	9.83	≤23.98	PASS
		5310	5.79	47.62	3.22	9.01	≤23.98	PASS
11AC20SISO	Ant1	5260	10.24	78.95	1.03	11.27	≤23.98	PASS
		5280	9.71	78.95	1.03	10.74	≤23.98	PASS
		5320	8.86	73.68	1.33	10.19	≤23.98	PASS
11AC40SISO	Ant1	5270	7.14	69.23	1.60	8.74	≤23.98	PASS
		5310	6.16	69.23	1.60	7.76	≤23.98	PASS
11AC80SISO	Ant1	5290	6.02	60.00	2.22	8.24	≤23.98	PASS

Appendix C.5: Maximum power spectral density

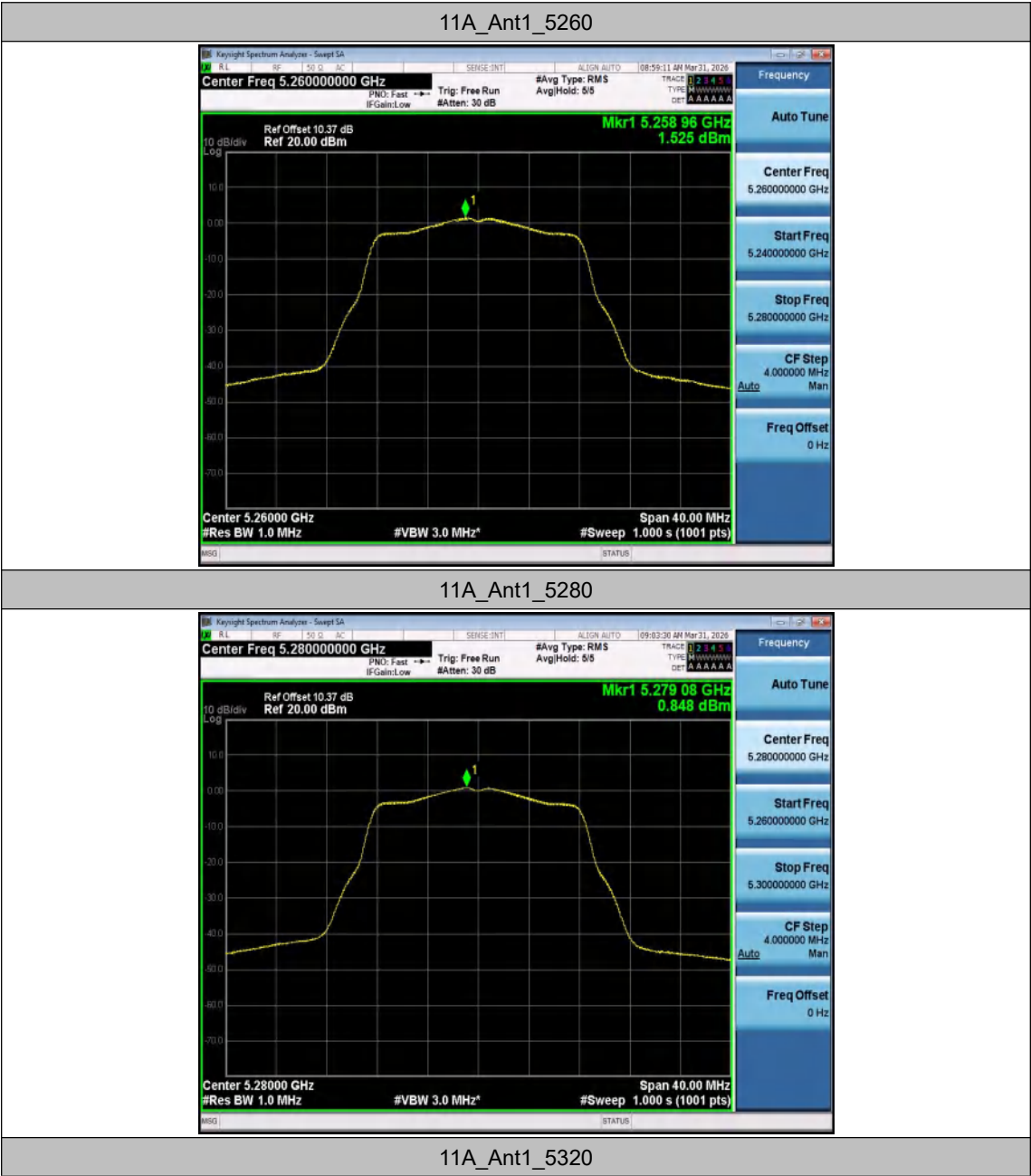
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	1.53	≤11.00	PASS
		5280	0.85	≤11.00	PASS
		5320	-0.19	≤11.00	PASS
11N20SISO	Ant1	5260	0.86	≤11.00	PASS
		5280	0.24	≤11.00	PASS
		5320	-0.77	≤11.00	PASS
11N40SISO	Ant1	5270	-3.09	≤11.00	PASS
		5310	-3.98	≤11.00	PASS
11AC20SISO	Ant1	5260	1.62	≤11.00	PASS
		5280	0.82	≤11.00	PASS
		5320	0.44	≤11.00	PASS
11AC40SISO	Ant1	5270	-4.07	≤11.00	PASS
		5310	-5.15	≤11.00	PASS
11AC80SISO	Ant1	5290	-7.50	≤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_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



Appendix C.6: Band edge measurements

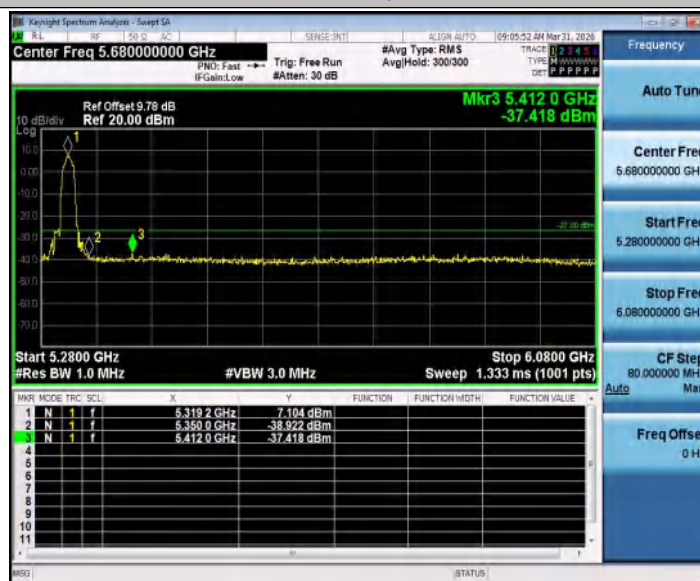
TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5260	-37.07	≤ -27	PASS
		High	5320	-37.42	≤ -27	PASS
11N20SISO	Ant1	Low	5260	-36.95	≤ -27	PASS
		High	5320	-37.93	≤ -27	PASS
11N40SISO	Ant1	Low	5270	-36.58	≤ -27	PASS
		High	5310	-35.44	≤ -27	PASS
11AC20SISO	Ant1	Low	5260	-36.61	≤ -27	PASS
		High	5320	-36.42	≤ -27	PASS
11AC40SISO	Ant1	Low	5270	-36.98	≤ -27	PASS
		High	5310	-37.59	≤ -27	PASS
11AC80SISO	Ant1	Low	5290	-36.61	≤ -27	PASS
		High	5290	-37.29	≤ -27	PASS

Test Graphs B1/2/3

11A_Ant1_Low_5260



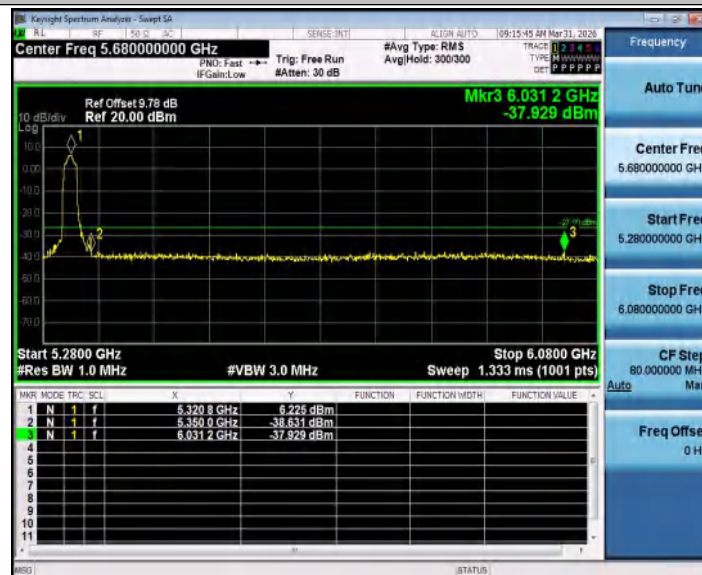
11A_Ant1_High_5320



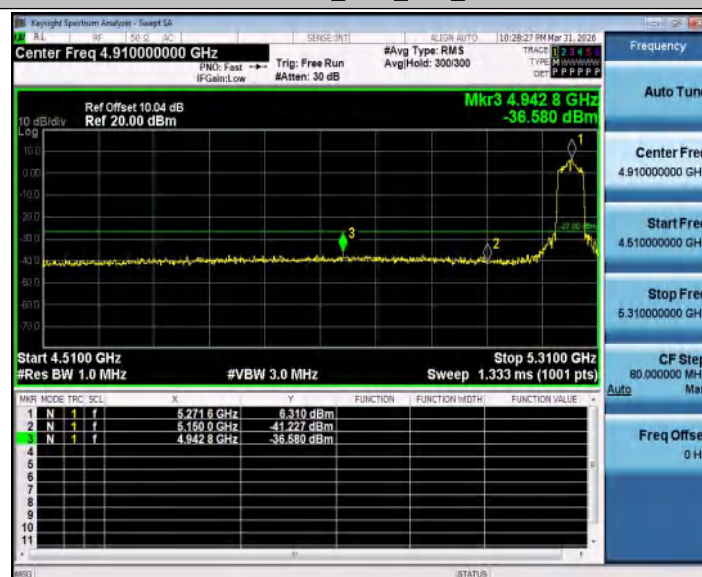
11N20SISO_Ant1_Low_5260



11N20SISO_Ant1_High_5320



11N40SISO_Ant1_Low_5270



11N40SISO_Ant1_High_5310



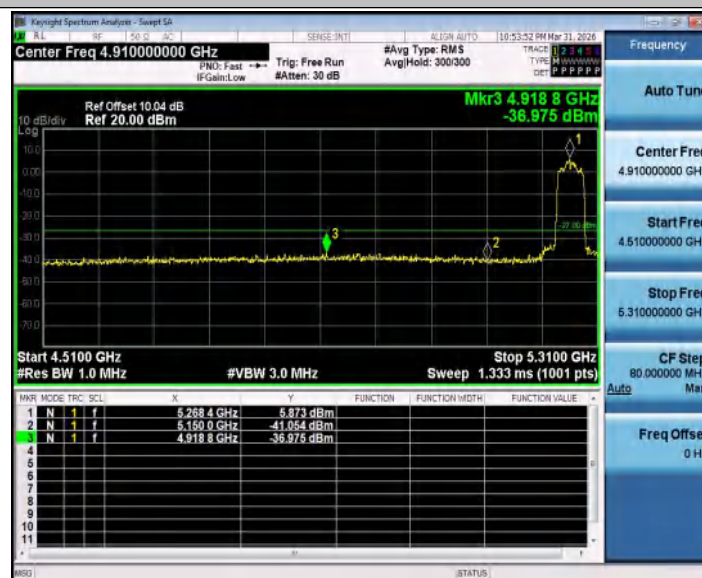
11AC20SISO_Ant1_Low_5260



11AC20SISO_Ant1_High_5320



11AC40SISO_Ant1_Low_5270



11AC40SISO_Ant1_High_5310



11AC80SISO_Ant1_Low_5290



11AC80SISO_Ant1_High_5290



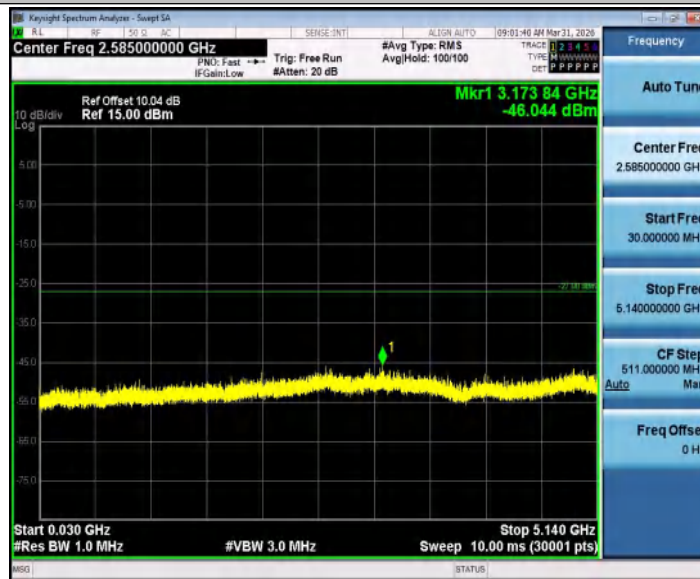
Appendix C.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	30~5140	3173.84	-46.04	≤-27	PASS
			5360~27000	26642.94	-36.95	≤-27	PASS
		5280	30~5140	2670	-45.63	≤-27	PASS
			5360~27000	26519.59	-37.2	≤-27	PASS
		5320	30~5140	3041.32	-46.9	≤-27	PASS
			5360~27000	24196.9	-37.7	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	2668.8	-46.2	≤-27	PASS
			5360~27000	25657.6	-36.1	≤-27	PASS
		5280	30~5140	3281.32	-46.45	≤-27	PASS
			5360~27000	25563.1	-37.05	≤-27	PASS
		5320	30~5140	2631.16	-46.92	≤-27	PASS
			5360~27000	24804.26	-37.14	≤-27	PASS
11N40SISO	Ant1	5270	30~5140	2541.91	-46.04	≤-27	PASS
			5360~27000	26056.5	-36.37	≤-27	PASS
		5310	30~5140	3322.54	-46.8	≤-27	PASS
			5360~27000	26096.17	-37.41	≤-27	PASS
11AC20SISO	Ant1	5260	30~5140	4767.82	-46.1	≤-27	PASS
			5360~27000	26051.45	-37.15	≤-27	PASS
		5280	30~5140	3041.66	-46.68	≤-27	PASS
			5360~27000	26798.75	-37.13	≤-27	PASS
		5320	30~5140	3199.73	-46.67	≤-27	PASS
			5360~27000	24916.79	-37.35	≤-27	PASS
11AC40SISO	Ant1	5270	30~5140	2676.3	-46.13	≤-27	PASS
			5360~27000	26526.08	-36.99	≤-27	PASS
		5310	30~5140	2635.08	-46.71	≤-27	PASS
			5360~27000	26048.56	-37.04	≤-27	PASS
11AC80SISO	Ant1	5290	30~5140	3157.15	-46.77	≤-27	PASS
			5360~27000	26056.5	-37.11	≤-27	PASS

Test Graphs

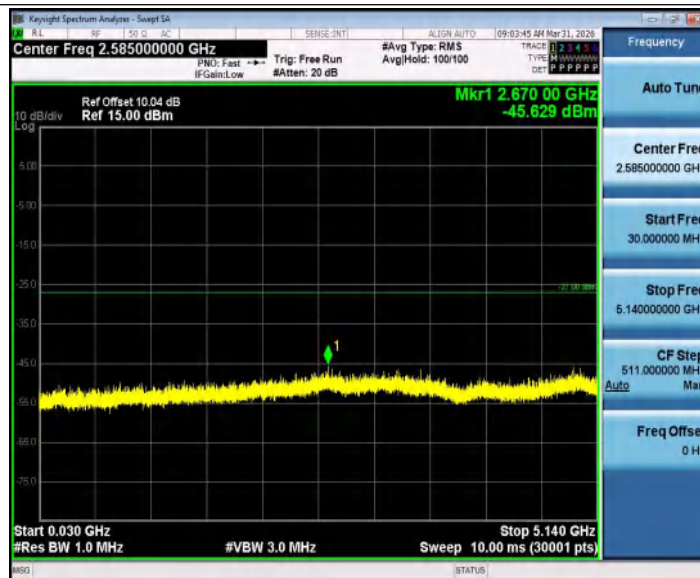
11A_Ant1_5260_30~5140



11A_Ant1_5260_5360~27000



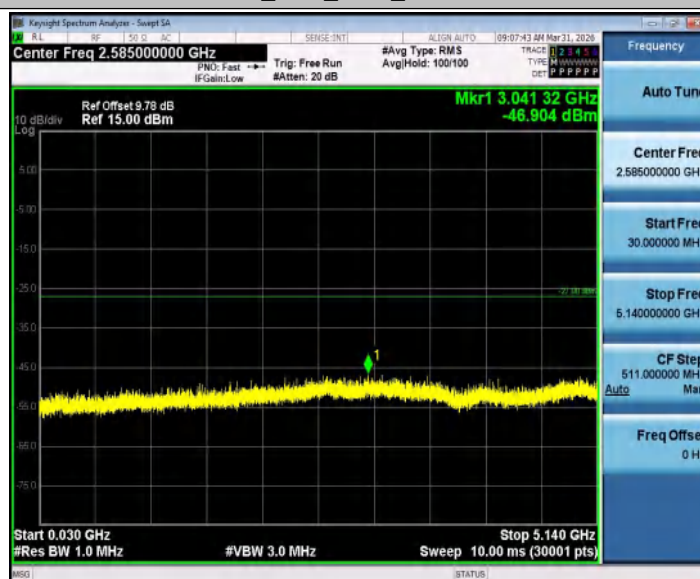
11A_Ant1_5280_30~5140



11A_Ant1_5280_5360~27000



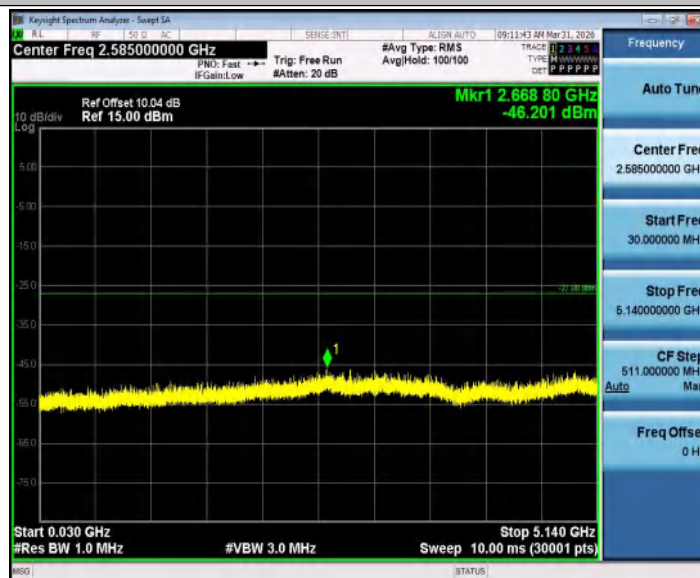
11A_Ant1_5320_30~5140



11A_Ant1_5320_5360~27000



11N20SISO_Ant1_5260_30~5140



11N20SISO_Ant1_5260_5360~27000



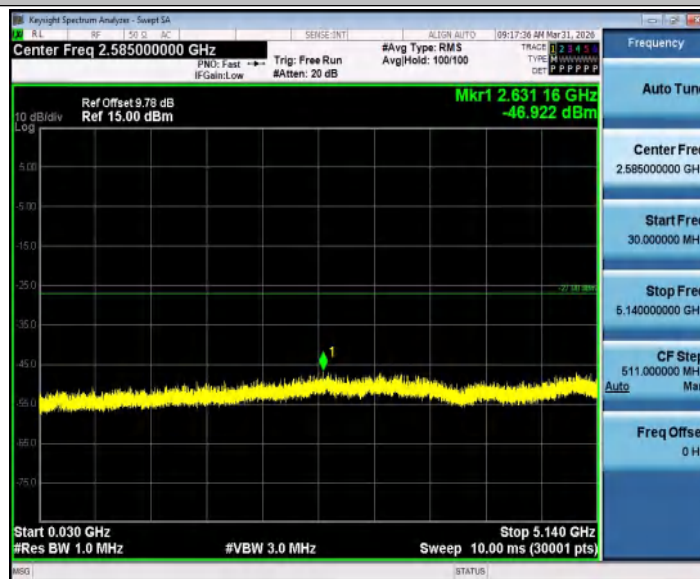
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11N20ISO_Ant1_5280_5360~27000



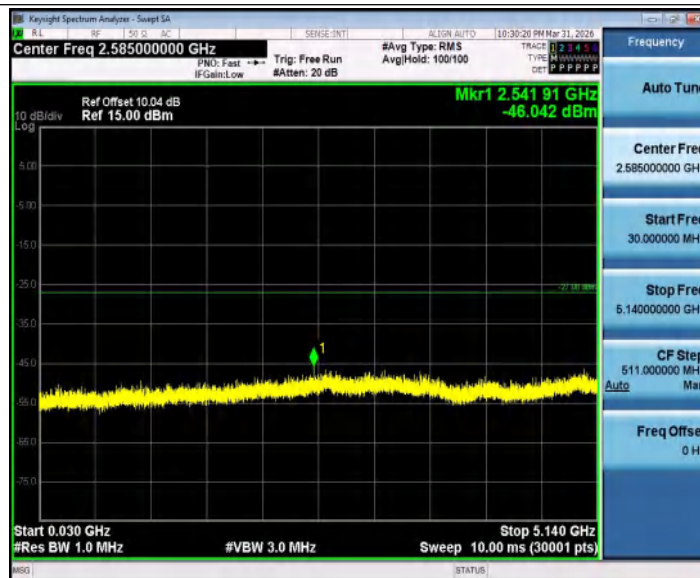
11N20SISO_Ant1_5320_30~5140



11N20SISO_Ant1_5320_5360~27000



11N40SISO_Ant1_5270_30~5140



11N40SISO_Ant1_5270_5360~27000



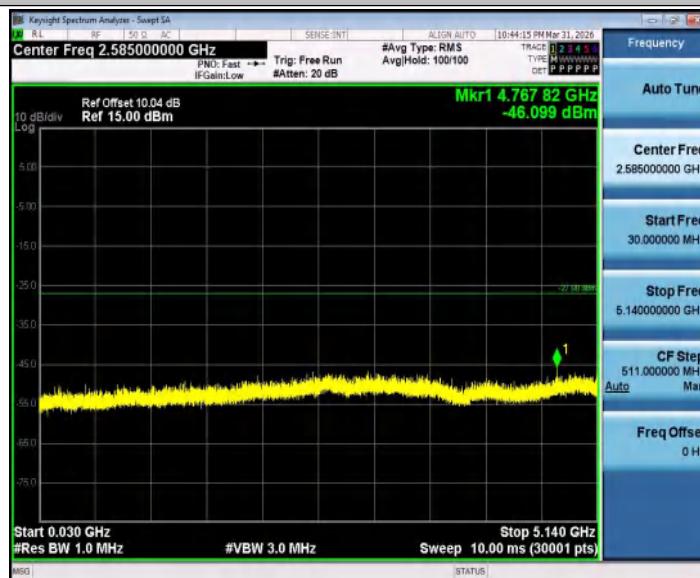
11N40SISO_Ant1_5310_30~5140



11N40SISO_Ant1_5310_5360~27000



11AC20SISO_Ant1_5260_30~5140



11AC20SISO_Ant1_5260_5360~27000



11AC20SISO_Ant1_5280_30~5140



11AC20SISO_Ant1_5280_5360~27000



11AC20SISO_Ant1_5320_30~5140



11AC20SISO_Ant1_5320_5360~27000



11AC40SISO_Ant1_5270_30~5140



11AC40SISO_Ant1_5270_5360~27000



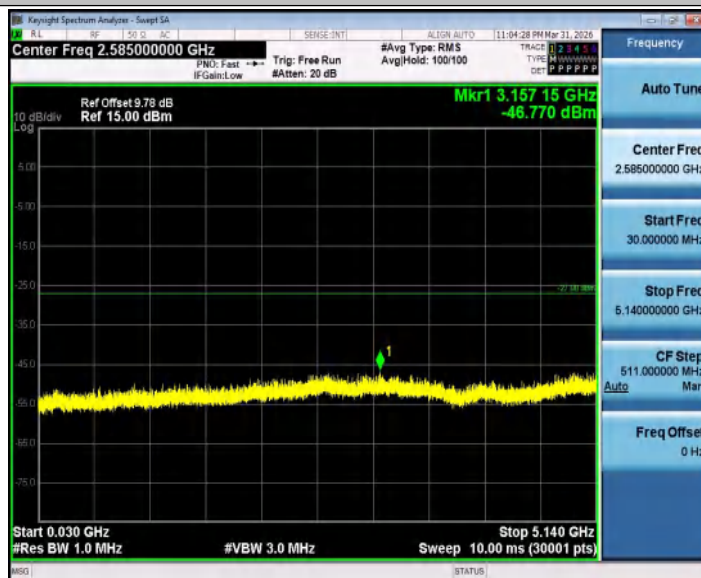
11AC40SISO_Ant1_5310_30~5140



11AC40SISO_Ant1_5310_5360~27000



11AC80SISO_Ant1_5290_30~5140



11AC80SISO_Ant1_5290_5360~27000



Appendix C.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	5260	AV	4500.000	-47.79	≤-41.20	47.41	≤54	PASS
				AV	4941.600	-45.5	≤-41.20	49.70	≤54	PASS
				AV	5150.000	-47.03	≤-41.20	48.17	≤54	PASS
				Peak	4500.000	-44.34	≤-21.20	50.86	≤74	PASS
				Peak	4849.600	-36.58	≤-21.20	58.62	≤74	PASS
				Peak	5150.000	-44.65	≤-21.20	50.55	≤74	PASS
		High	5320	AV	5350.000	-46.08	≤-41.20	49.12	≤54	PASS
				AV	5350.400	-46.08	≤-41.20	49.12	≤54	PASS
				AV	5460.000	-46.3	≤-41.20	48.90	≤54	PASS
				Peak	5350.000	-42.13	≤-21.20	53.07	≤74	PASS
				Peak	5455.200	-38.18	≤-21.20	57.02	≤74	PASS
				Peak	5460.000	-43.23	≤-21.20	51.97	≤74	PASS
11N20SIS O	Ant1	Low	5260	AV	4500.000	-47.77	≤-41.20	47.43	≤54	PASS
				AV	4944.800	-45.49	≤-41.20	49.71	≤54	PASS
				AV	5150.000	-47.05	≤-41.20	48.15	≤54	PASS
				Peak	4500.000	-46.8	≤-21.20	48.40	≤74	PASS
				Peak	4896.800	-36.94	≤-21.20	58.26	≤74	PASS
				Peak	5150.000	-41.65	≤-21.20	53.55	≤74	PASS
		High	5320	AV	5350.000	-46.08	≤-41.20	49.12	≤54	PASS
				AV	5350.400	-46.08	≤-41.20	49.12	≤54	PASS
				AV	5460.000	-46.3	≤-41.20	48.90	≤54	PASS
				Peak	5350.000	-41.95	≤-21.20	53.25	≤74	PASS
				Peak	5352.800	-36.93	≤-21.20	58.27	≤74	PASS
				Peak	5460.000	-43.74	≤-21.20	51.46	≤74	PASS
11N40SIS O	Ant1	Low	5270	AV	4500.000	-47.85	≤-41.20	47.35	≤54	PASS
				AV	4944.770	-45.6	≤-41.20	49.60	≤54	PASS
				AV	5150.000	-47.07	≤-41.20	48.13	≤54	PASS
				Peak	4500.000	-41.06	≤-21.20	54.14	≤74	PASS
				Peak	4970.840	-37.66	≤-21.20	57.54	≤74	PASS
				Peak	5150.000	-47.72	≤-21.20	47.48	≤74	PASS
		High	5310	AV	5350.000	-46.46	≤-41.20	48.74	≤54	PASS
				AV	5437.200	-46.31	≤-41.20	48.89	≤54	PASS
				AV	5460.000	-46.36	≤-41.20	48.84	≤54	PASS
				Peak	5350.000	-39.81	≤-21.20	55.39	≤74	PASS
				Peak	5455.600	-37.61	≤-21.20	57.59	≤74	PASS
				Peak	5460.000	-42.8	≤-21.20	52.40	≤74	PASS
11AC20SI	Ant1	Low	5260	AV	4500.000	-47.86	≤-41.20	47.34	≤54	PASS

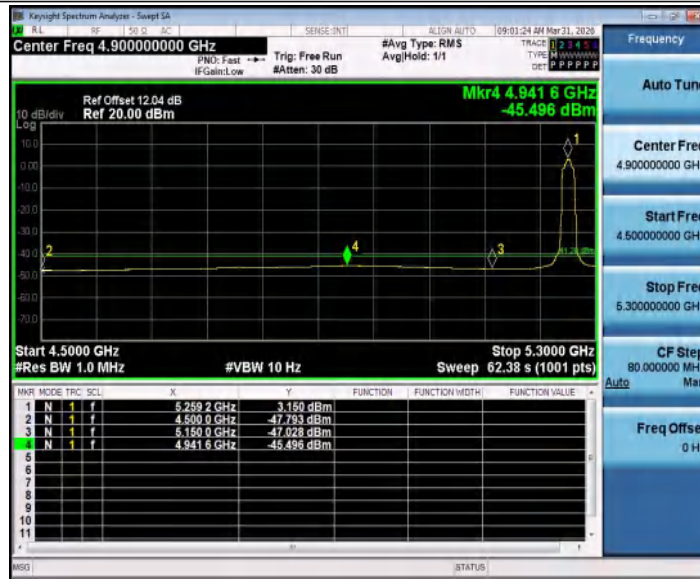
SO				AV	4942.400	-45.56	≤-41.20	49.64	≤54	PASS
				AV	5150.000	-47.09	≤-41.20	48.11	≤54	PASS
				Peak	4500.000	-47.62	≤-21.20	47.58	≤74	PASS
				Peak	5124.800	-37.58	≤-21.20	57.62	≤74	PASS
				Peak	5150.000	-47.13	≤-21.20	48.07	≤74	PASS
		High	5320	AV	5350.000	-46.14	≤-41.20	49.06	≤54	PASS
				AV	5350.400	-46.14	≤-41.20	49.06	≤54	PASS
				AV	5460.000	-46.35	≤-41.20	48.85	≤54	PASS
				Peak	5350.000	-44.51	≤-21.20	50.69	≤74	PASS
				Peak	5455.200	-37.12	≤-21.20	58.08	≤74	PASS
				Peak	5460.000	-41.16	≤-21.20	54.04	≤74	PASS
11AC40SI SO	Ant1	Low	5270	AV	4500.000	-47.86	≤-41.20	47.34	≤54	PASS
				AV	4943.980	-45.58	≤-41.20	49.62	≤54	PASS
				AV	5150.000	-47.05	≤-41.20	48.15	≤54	PASS
				Peak	4500.000	-44.73	≤-21.20	50.47	≤74	PASS
				Peak	5032.460	-35.08	≤-21.20	60.12	≤74	PASS
				Peak	5150.000	-45.33	≤-21.20	49.87	≤74	PASS
		High	5310	AV	5350.000	-46.51	≤-41.20	48.69	≤54	PASS
				AV	5456.400	-46.32	≤-41.20	48.88	≤54	PASS
				AV	5460.000	-46.34	≤-41.20	48.86	≤54	PASS
				Peak	5350.000	-44.1	≤-21.20	51.10	≤74	PASS
				Peak	5429.200	-37.38	≤-21.20	57.82	≤74	PASS
				Peak	5460.000	-43.86	≤-21.20	51.34	≤74	PASS
11AC80SI SO	Ant1	Low	5290	AV	4500.000	-48.13	≤-41.20	47.07	≤54	PASS
				AV	4942.020	-45.85	≤-41.20	49.35	≤54	PASS
				AV	5150.000	-47.18	≤-41.20	48.02	≤54	PASS
				Peak	4500.000	-43.03	≤-21.20	52.17	≤74	PASS
				Peak	5008.005	-37.63	≤-21.20	57.57	≤74	PASS
				Peak	5150.000	-43.27	≤-21.20	51.93	≤74	PASS
		High	5290	AV	5350.000	-46.22	≤-41.20	48.98	≤54	PASS
				AV	5354.800	-45.94	≤-41.20	49.26	≤54	PASS
				AV	5460.000	-46.14	≤-41.20	49.06	≤54	PASS
				Peak	5350.000	-37.77	≤-21.20	57.43	≤74	PASS
				Peak	5357.400	-35.82	≤-21.20	59.38	≤74	PASS
				Peak	5460.000	-39.61	≤-21.20	55.59	≤74	PASS

Note:

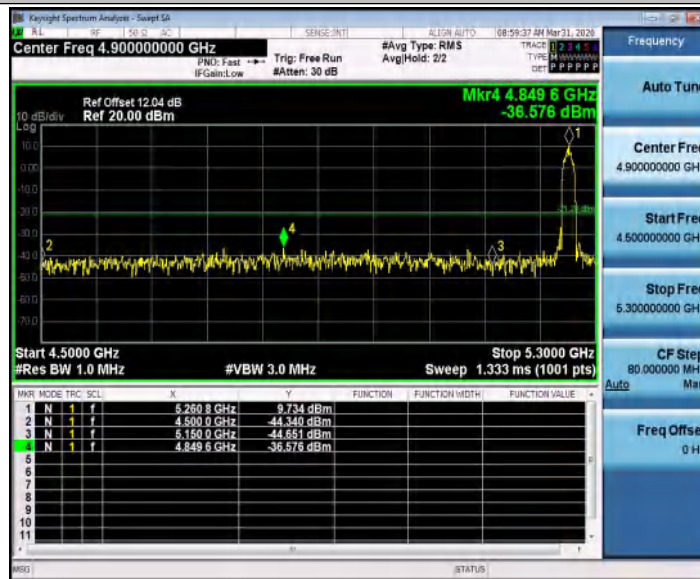
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs

11A_Ant1_Low_5260_AV



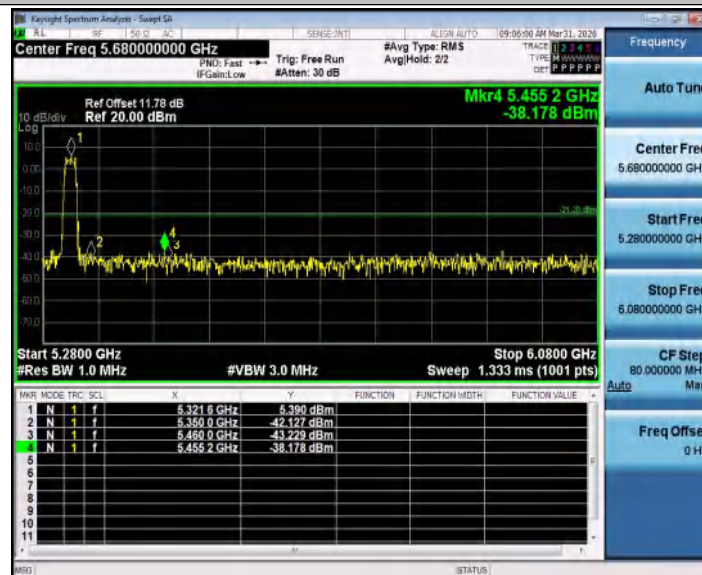
11A_Ant1_Low_5260_Peak



11A_Ant1_High_5320_AV



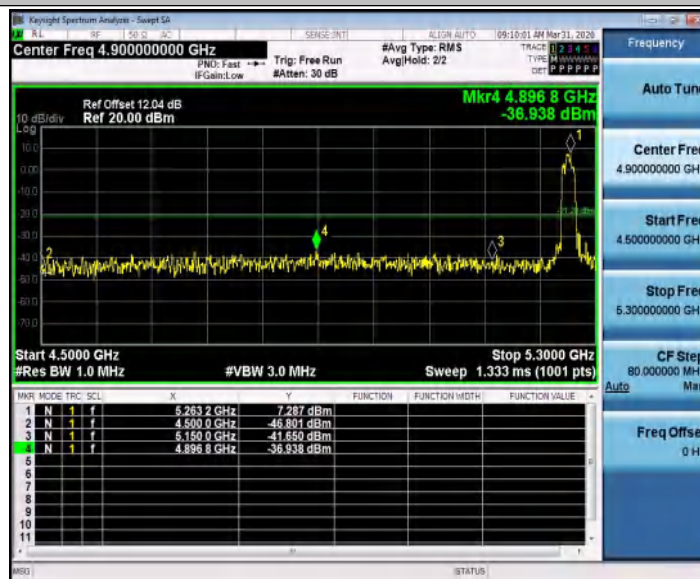
11A_Ant1_High_5320_Peak



11N20SISO_Ant1_Low_5260_AV



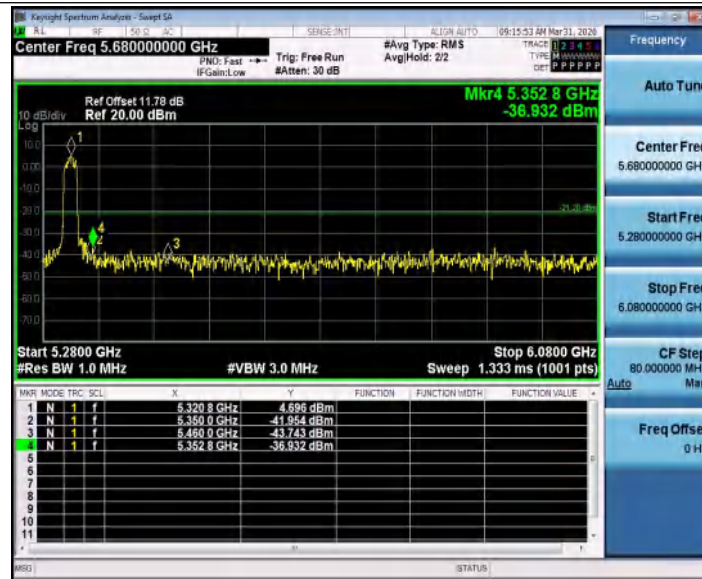
11N20SISO_Ant1_Low_5260_Peak



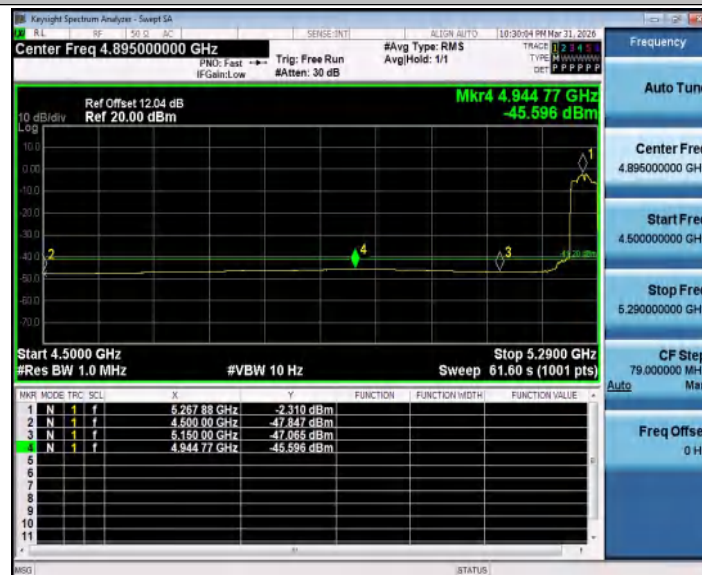
11N20SISO_Ant1_High_5320_AV



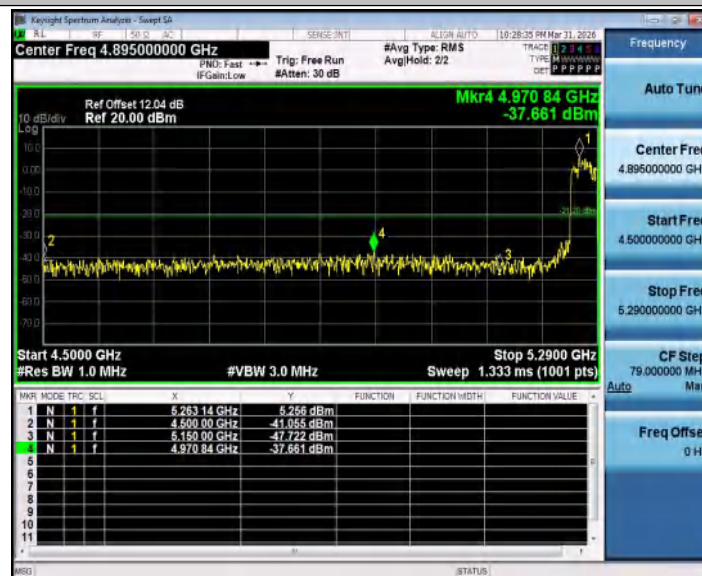
11N20SISO_Ant1_High_5320_Peak



11N40SISO_Ant1_Low_5270_AV



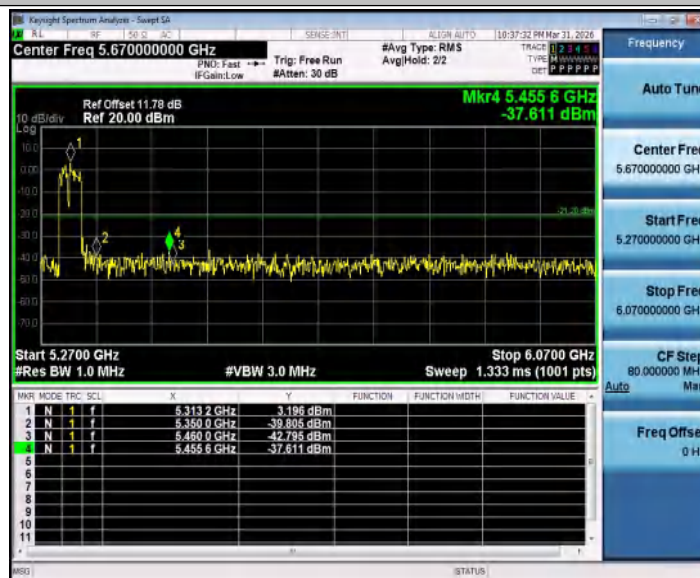
11N40SISO_Ant1_Low_5270_Peak



11N40SISO_Ant1_High_5310_AV



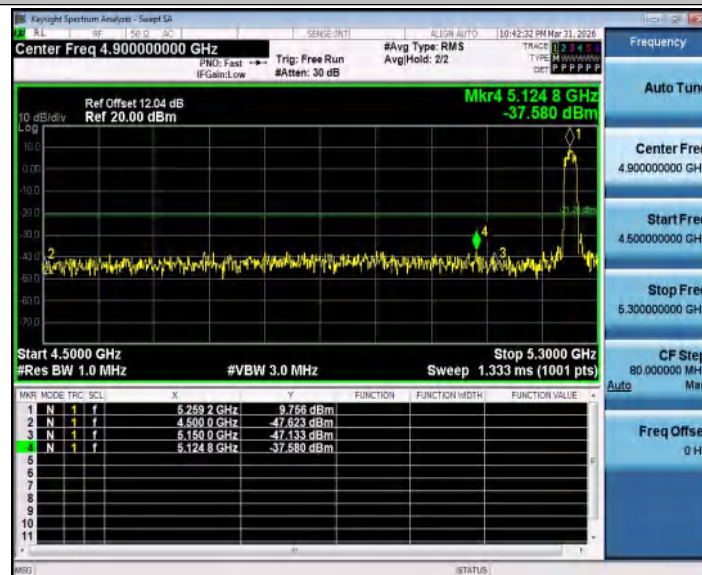
11N40SISO_Ant1_High_5310_Peak



11AC20SISO_Ant1_Low_5260_AV



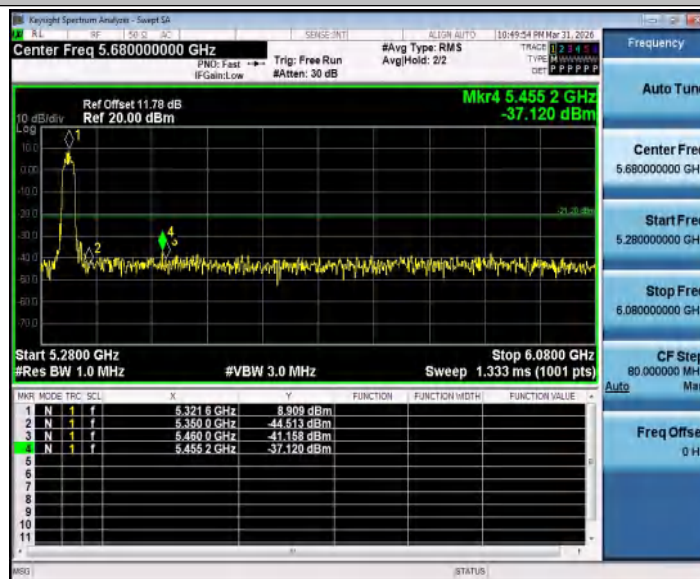
11AC20SISO_Ant1_Low_5260_Peak



11AC20SISO_Ant1_High_5320_AV



11AC20SISO_Ant1_High_5320_Peak



11AC40SISO_Ant1_Low_5270_AV



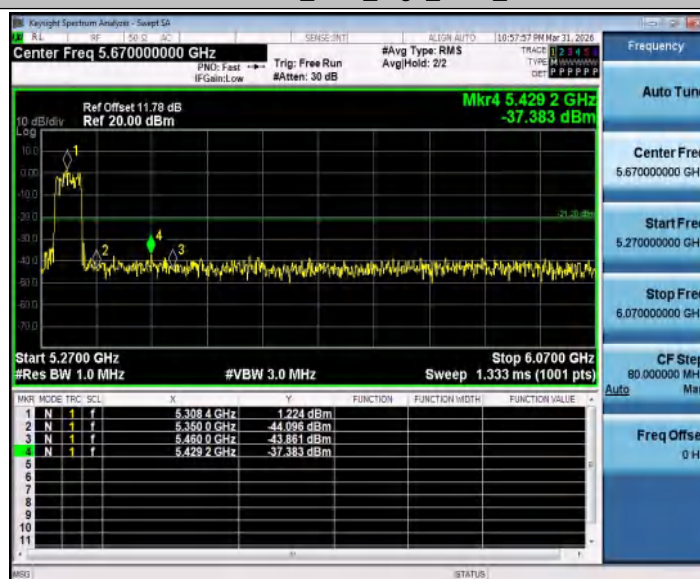
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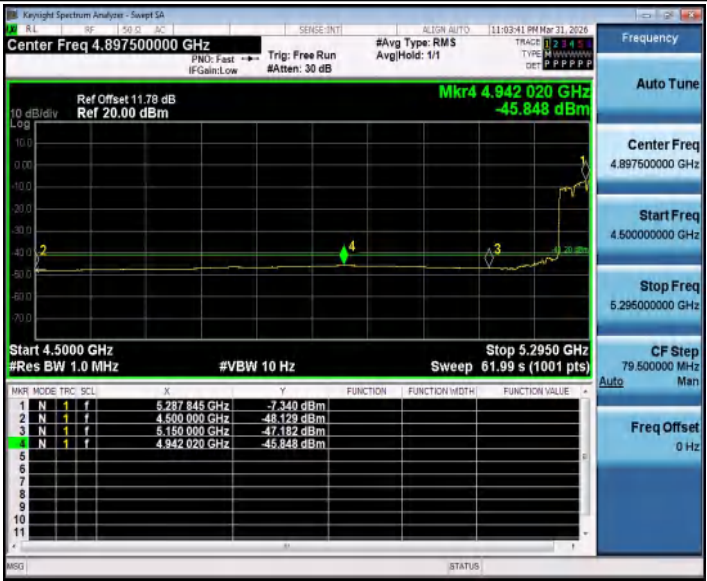
11AC40SISO_Ant1_High_5310_AV



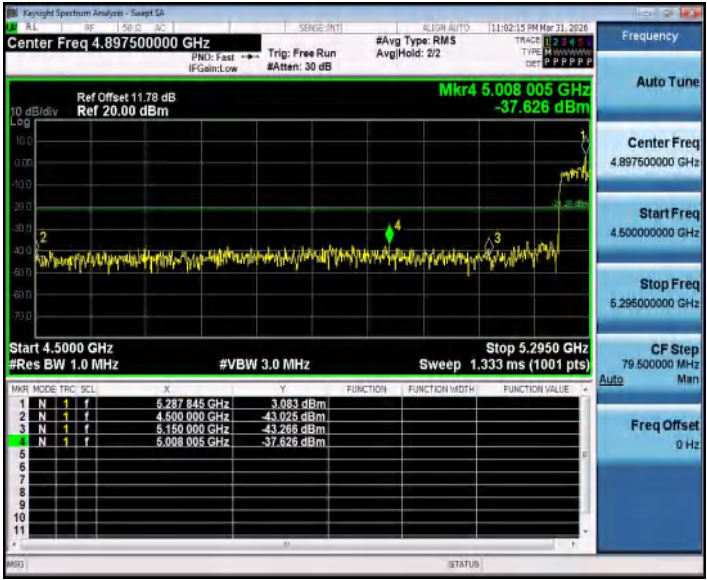
11AC40SISO_Ant1_High_5310_Peak



11AC80SISO_Ant1_Low_5290_AV



11AC80SISO_Ant1_Low_5290_Peak



11AC80SISO_Ant1_High_5290_AV



11AC80SISO_Ant1_High_5290_Peak

