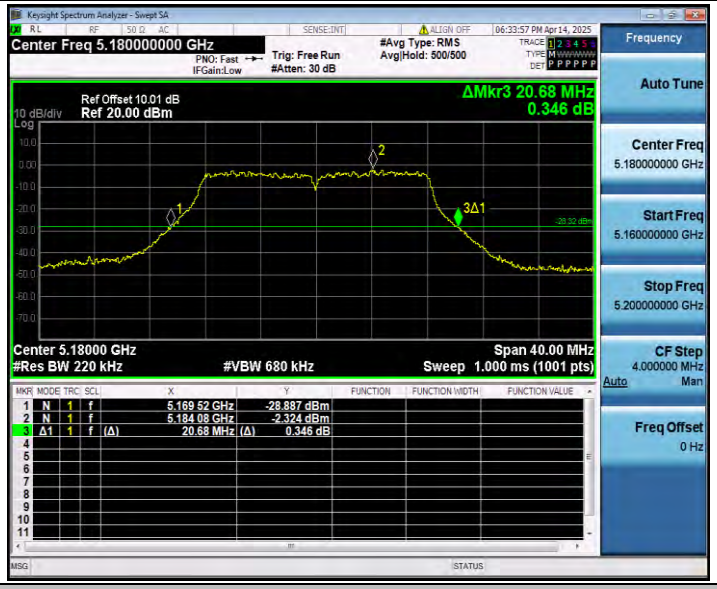
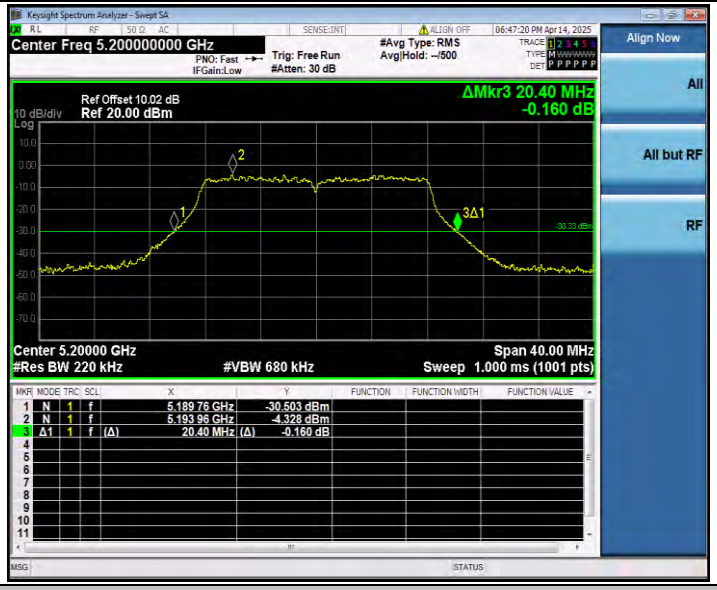
Case No. : GTS20250319016-1-1	
Ambient Condition: 22 ℃, 51 %RH	
According Standard: ■Part15E	
Test Date: 2025.4.12	**Test Engineer:** Evan ouyang

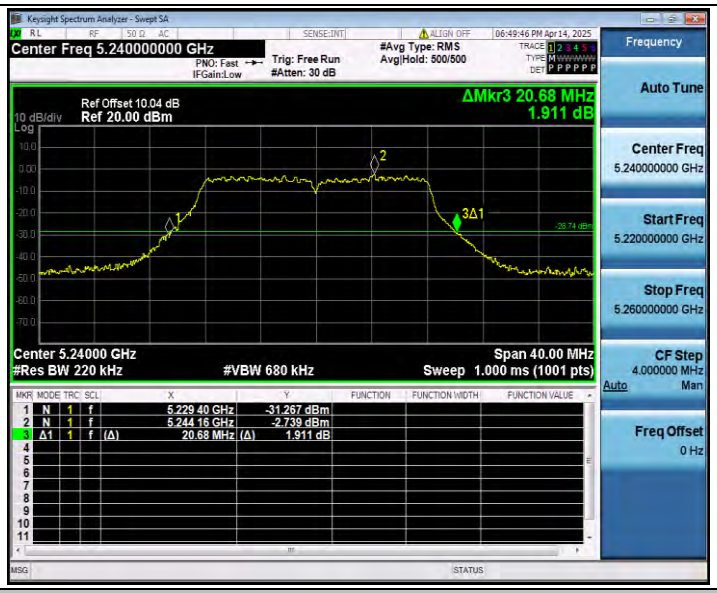
Appendix D.1: Emission Bandwidth

Test Result

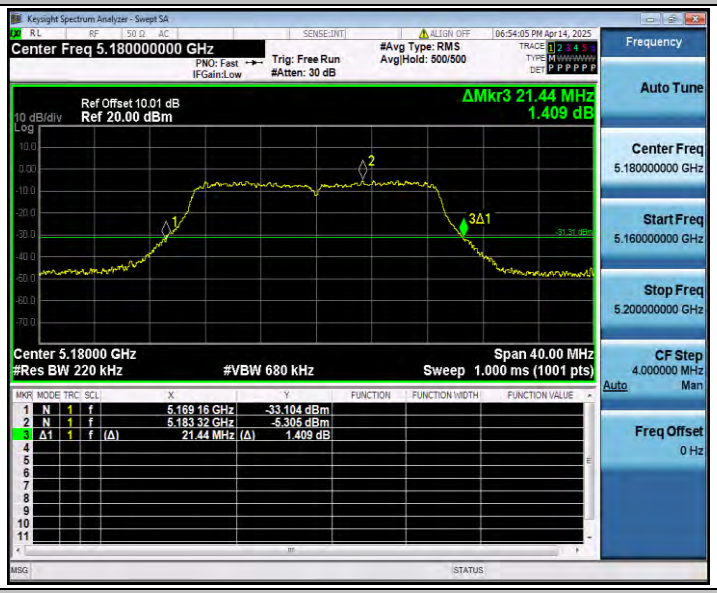
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.680	5169.520	5190.200	---	---
		5200	20.400	5189.760	5210.160	---	---
		5240	20.680	5229.400	5250.080	---	---
11N20SISO	Ant1	5180	21.440	5169.160	5190.600	---	---
		5200	21.360	5189.240	5210.600	---	---
		5240	21.240	5229.280	5250.520	---	---
11N40SISO	Ant1	5190	42.240	5168.800	5211.040	---	---
		5230	42.000	5208.880	5250.880	---	---
11AC20SISO	Ant1	5180	21.400	5169.240	5190.640	---	---
		5200	21.400	5189.080	5210.480	---	---
		5240	21.360	5229.160	5250.520	---	---
11AC40SISO	Ant1	5190	41.760	5169.200	5210.960	---	---
		5230	42.000	5209.040	5251.040	---	---
11AC80SISO	Ant1	5210	82.880	5168.880	5251.760	---	---

Test Graphs

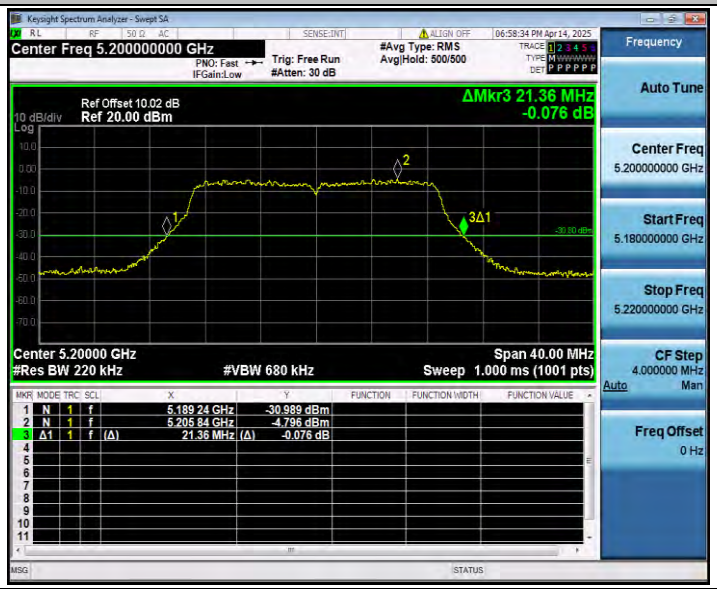
11A_Ant1_5180

11A_Ant1_5200

11A_Ant1_5240



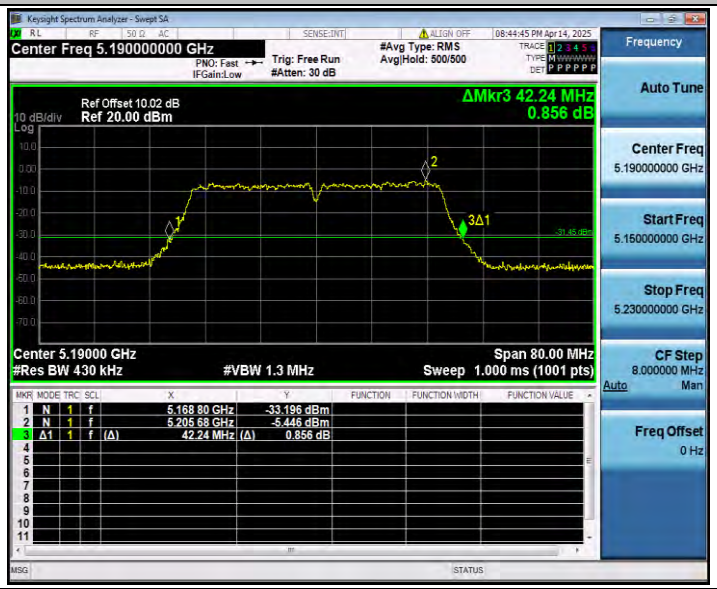
11N20SISO_Ant1_5180

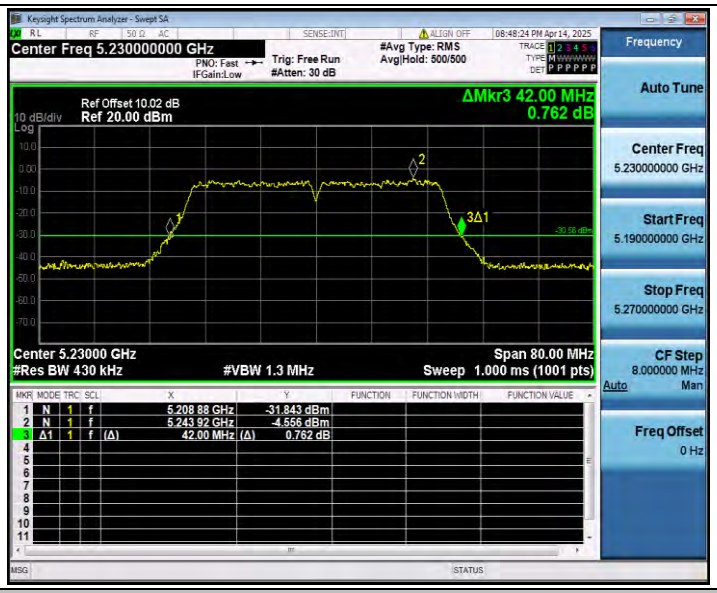


11N20SISO_Ant1_5200

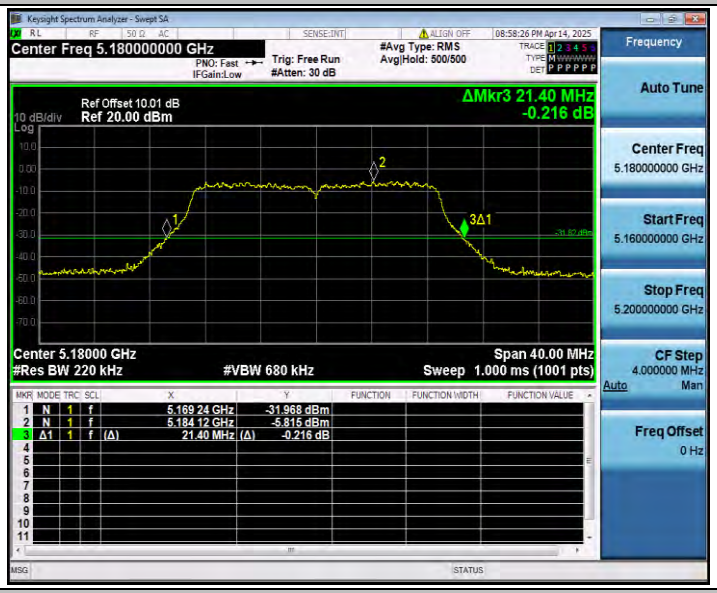


11N20SISO_Ant1_5240

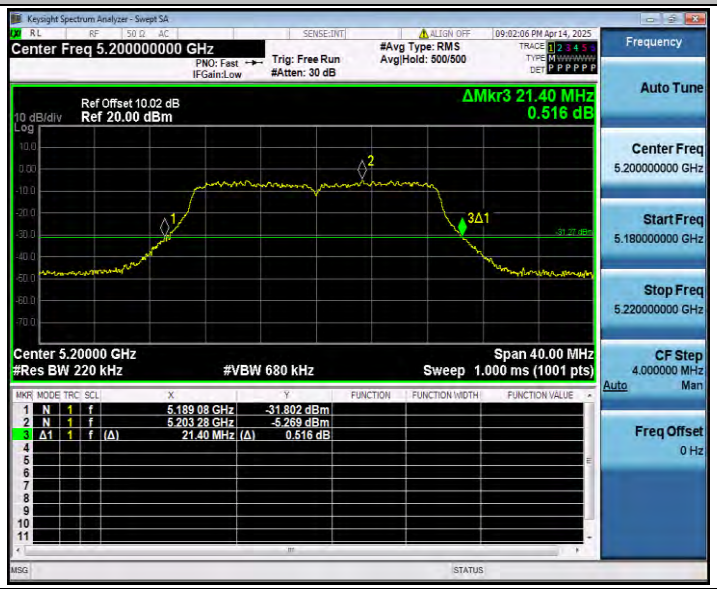
11N40SISO_Ant1_5190

11N40SISO_Ant1_5230



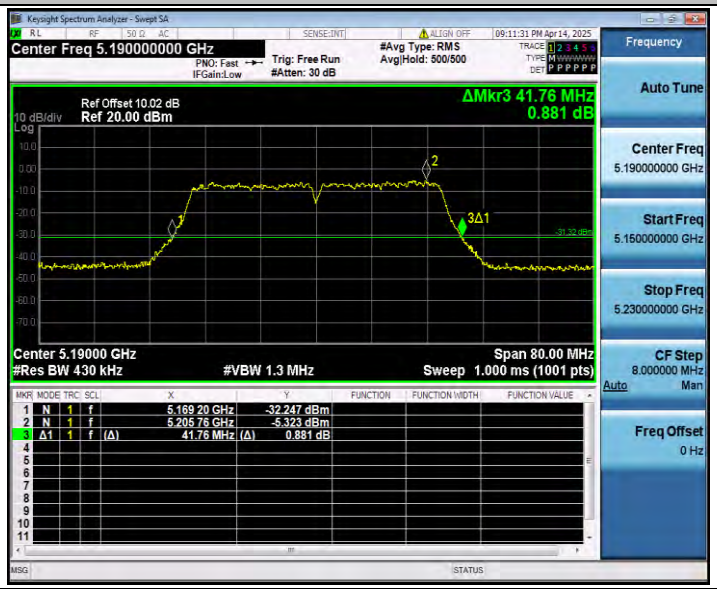
11AC20SISO_Ant1_5180

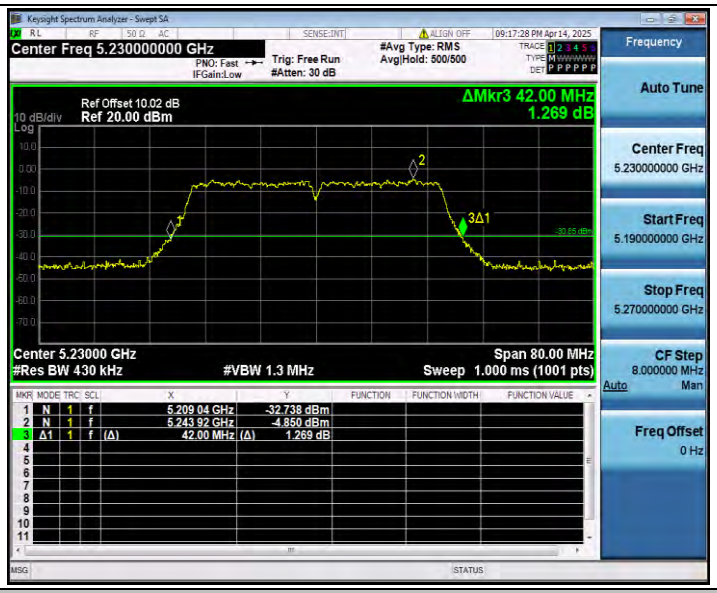


11AC20SISO_Ant1_5200

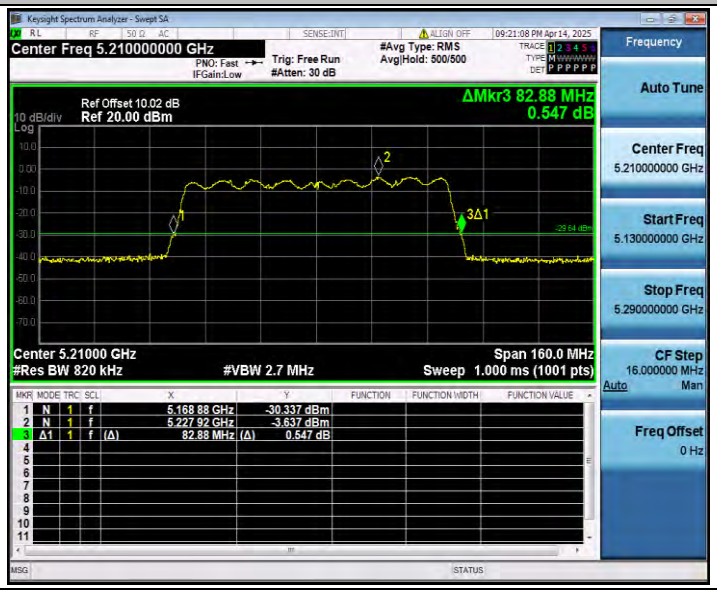


11AC20SISO_Ant1_5240

11AC40SISO_Ant1_5190

11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



Appendix D.2: Occupied channel bandwidth

Test Result

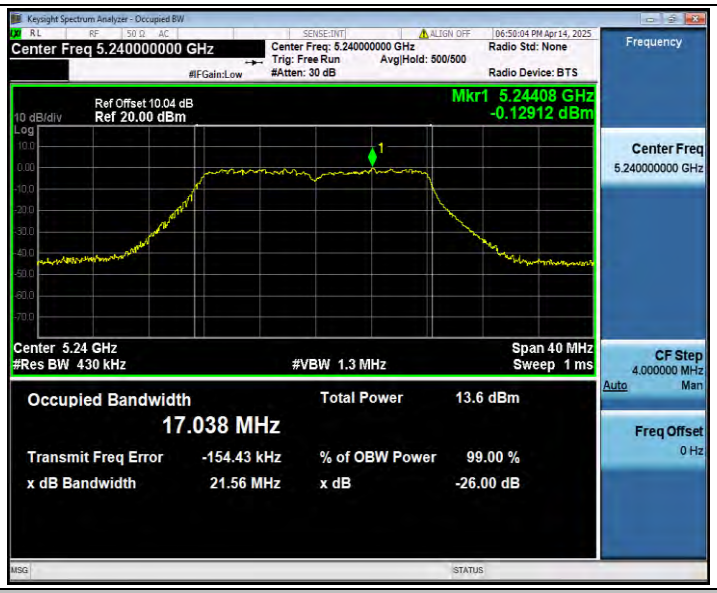
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.064	5171.3256	5188.3896	---	---
		5200	16.961	5191.4279	5208.3889	---	---
		5240	17.038	5231.3266	5248.3646	---	---
11N20SISO	Ant1	5180	18.025	5170.9433	5188.9683	---	---
		5200	18.051	5190.9173	5208.9683	---	---
		5240	18.003	5230.9364	5248.9394	---	---
11N40SISO	Ant1	5190	36.737	5171.6707	5208.4077	---	---
		5230	36.845	5211.5379	5248.3829	---	---
11AC20SISO	Ant1	5180	18.012	5170.9467	5188.9587	---	---
		5200	18.017	5190.9266	5208.9436	---	---
		5240	18.038	5230.8978	5248.9358	---	---
11AC40SISO	Ant1	5190	36.771	5171.6706	5208.4416	---	---
		5230	36.737	5211.6460	5248.3830	---	---
11AC80SISO	Ant1	5210	75.905	5172.2130	5248.1180	---	---

Test Graphs

11A_Ant1_5180

11A_Ant1_5200

11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



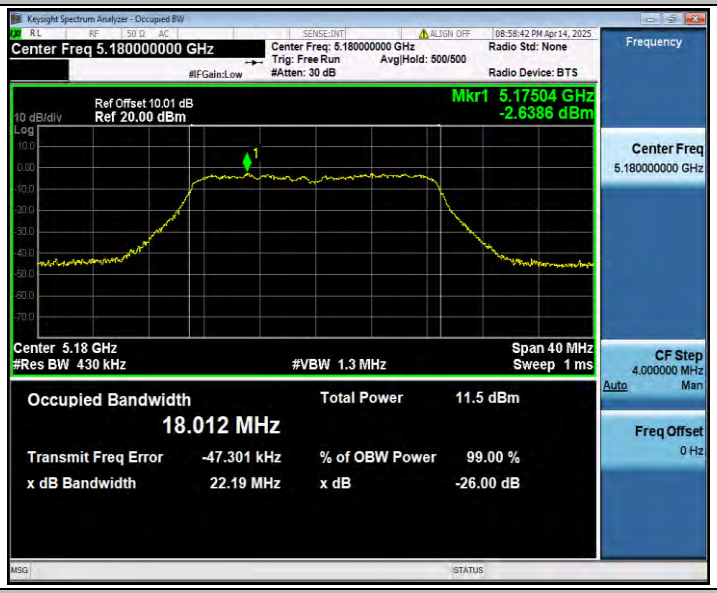
11N20SISO_Ant1_5240

11N40SISO_Ant1_5190

11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



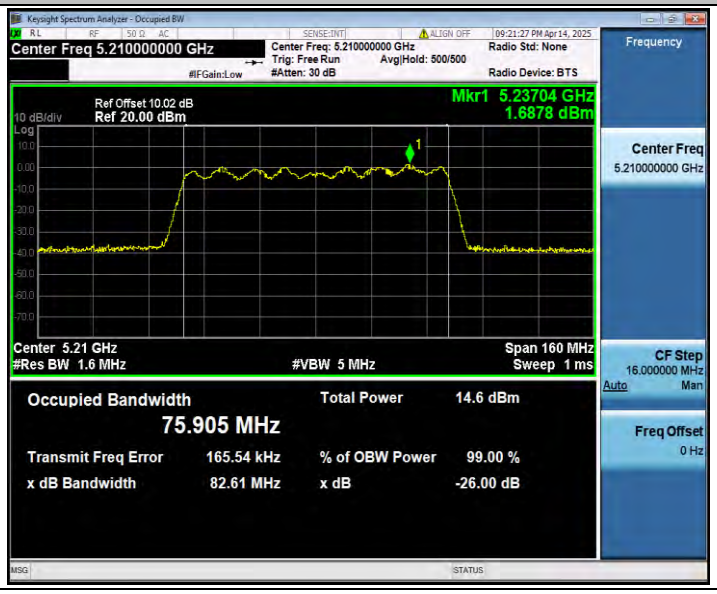
11AC20SISO_Ant1_5240

11AC40SISO_Ant1_5190

11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210

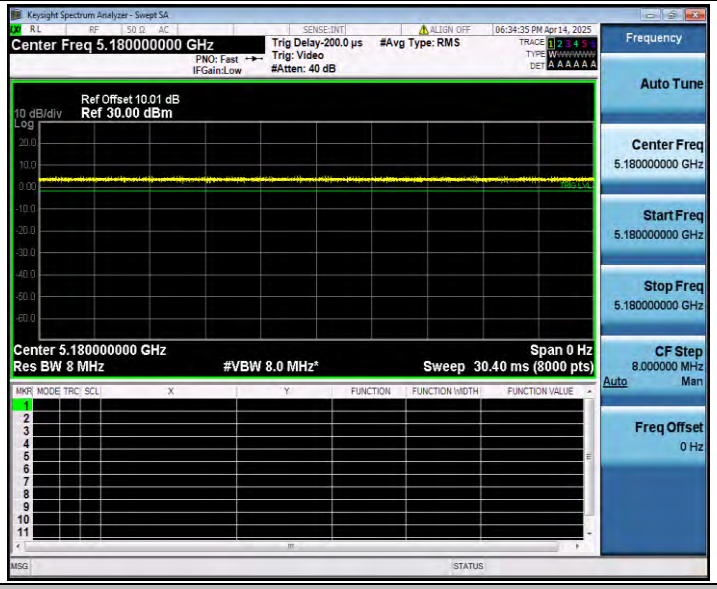
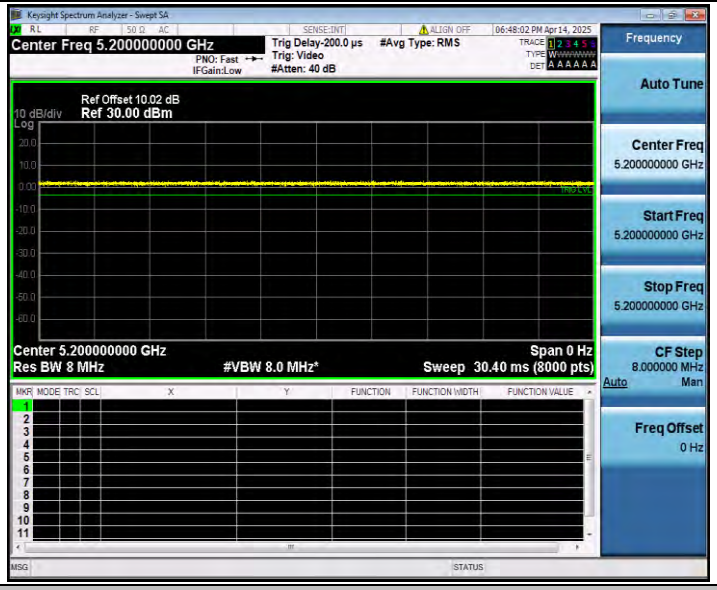


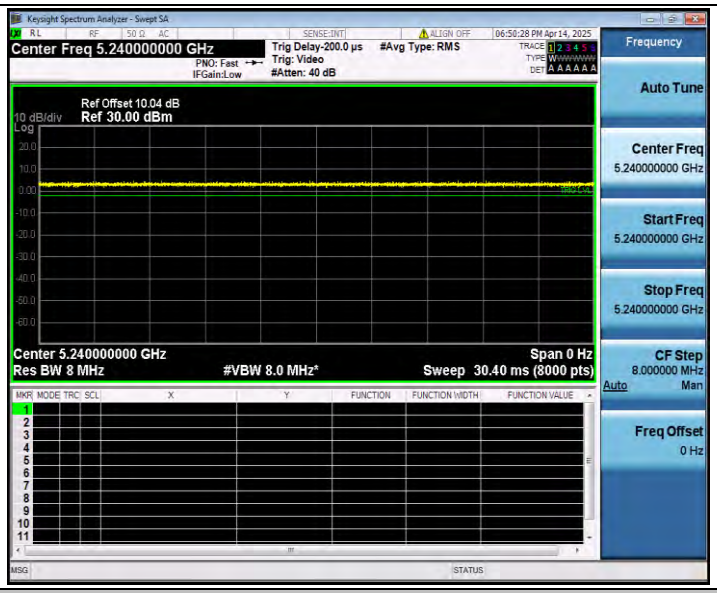
Appendix D 3: Duty Cycle

Test Result

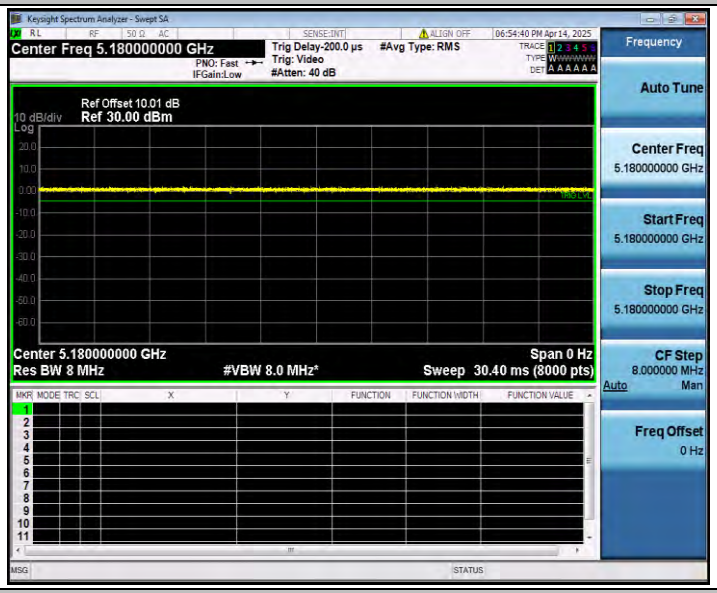
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11N40SISO	Ant1	5190	30.00	30.00	100.00	0.00	0.03
		5230	30.00	30.00	100.00	0.00	0.03
11AC20SISO	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11AC40SISO	Ant1	5190	30.00	30.00	100.00	0.00	0.03
		5230	30.00	30.00	100.00	0.00	0.03
11AC80SISO	Ant1	5210	30.00	30.00	100.00	0.00	0.03

Test Graphs

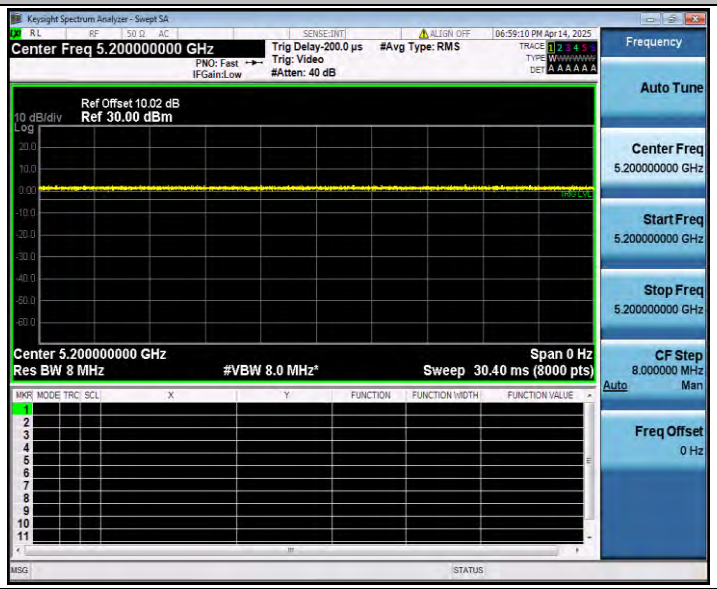
11A_Ant1_5180

11A_Ant1_5200

11A_Ant1_5240

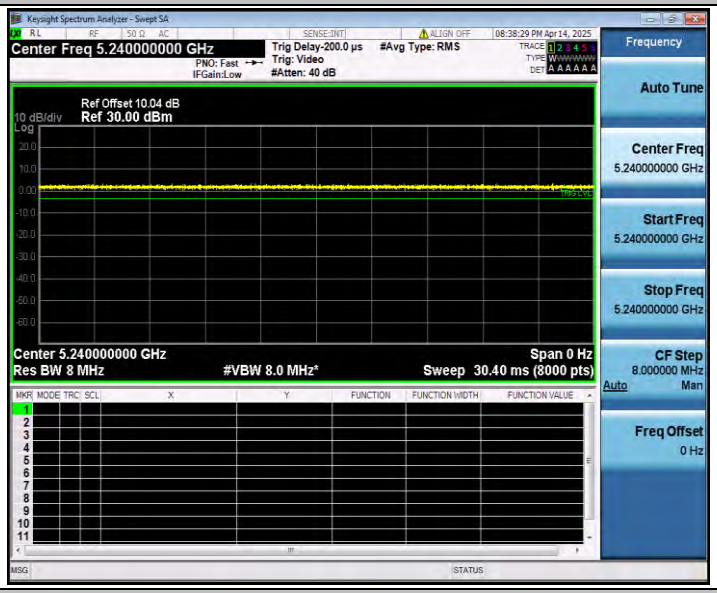
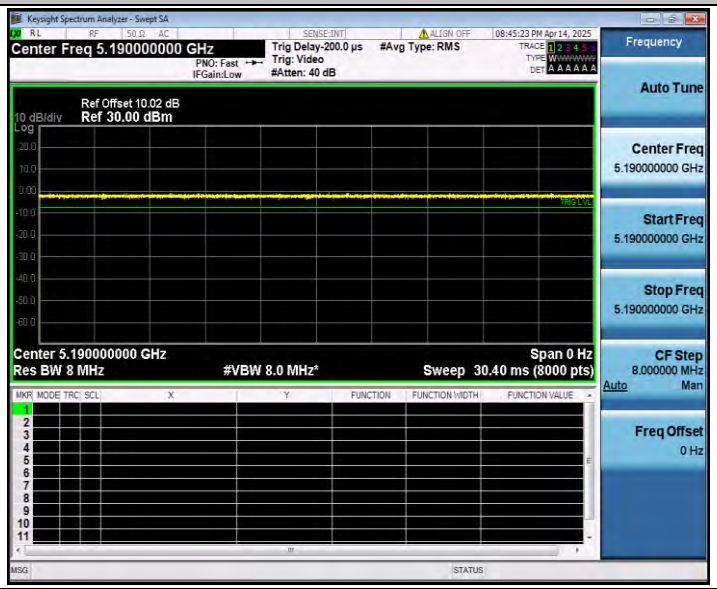


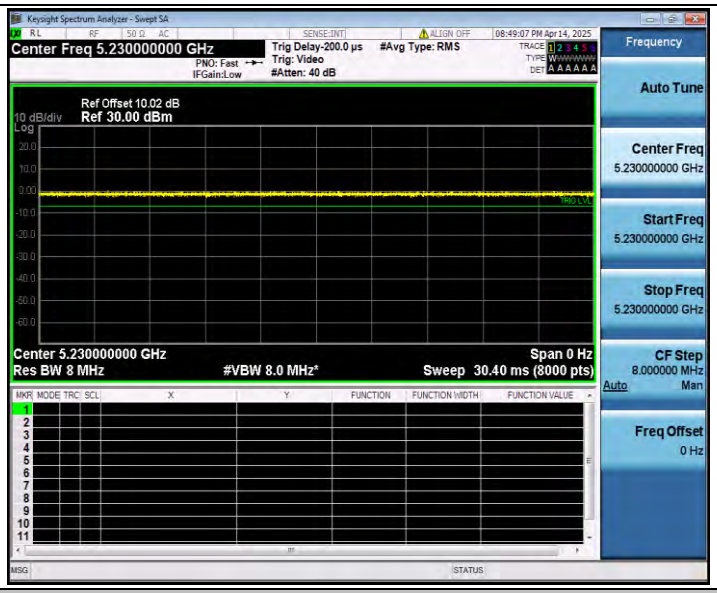
11N20SISO_Ant1_5180



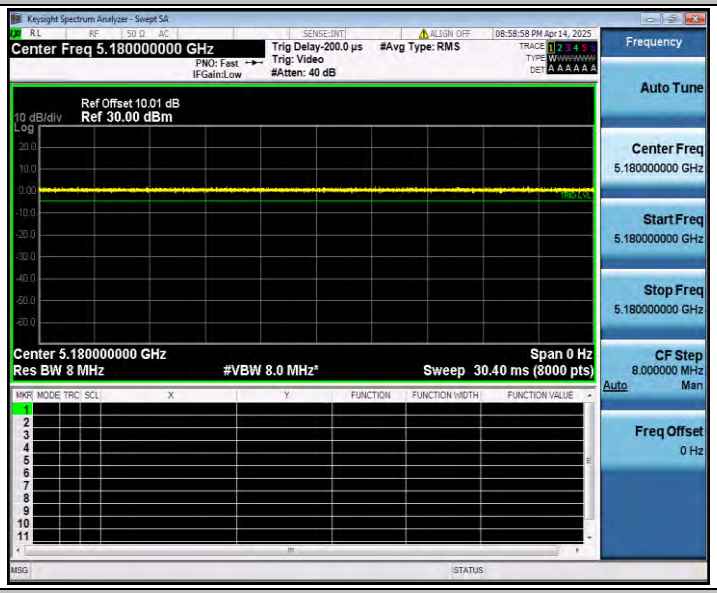
11N20SISO_Ant1_5200



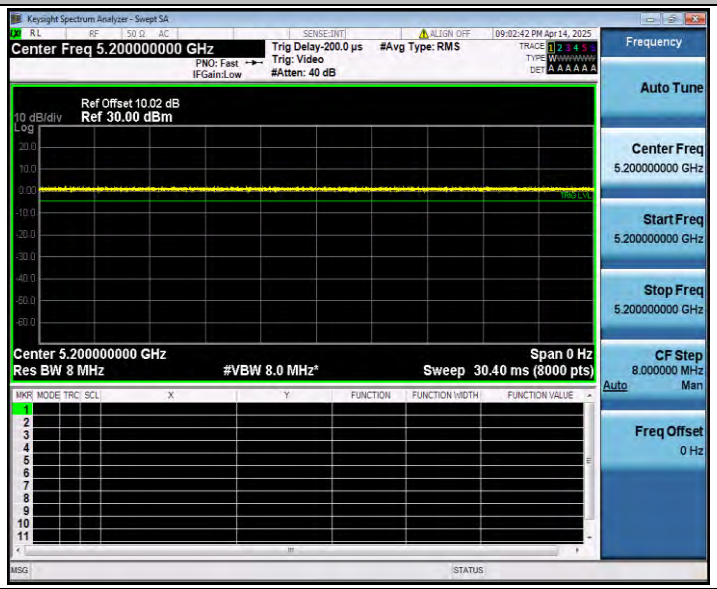
11N20SISO_Ant1_5240

11N40SISO_Ant1_5190

11N40SISO_Ant1_5230

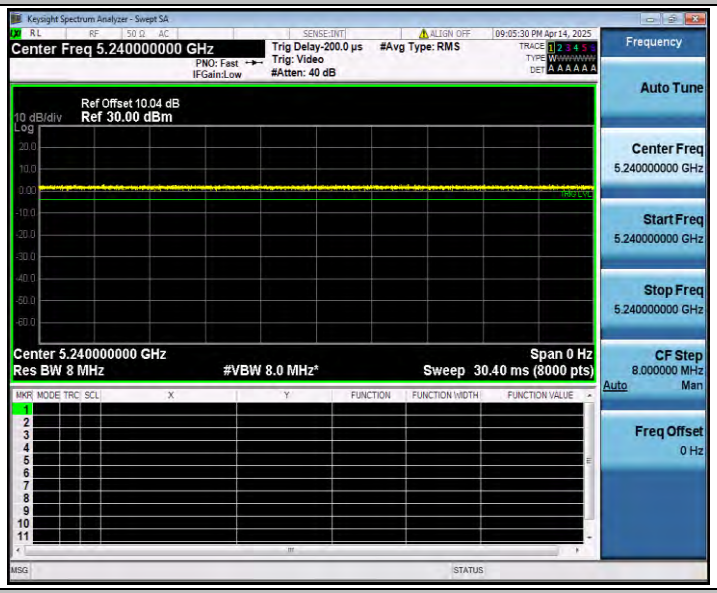
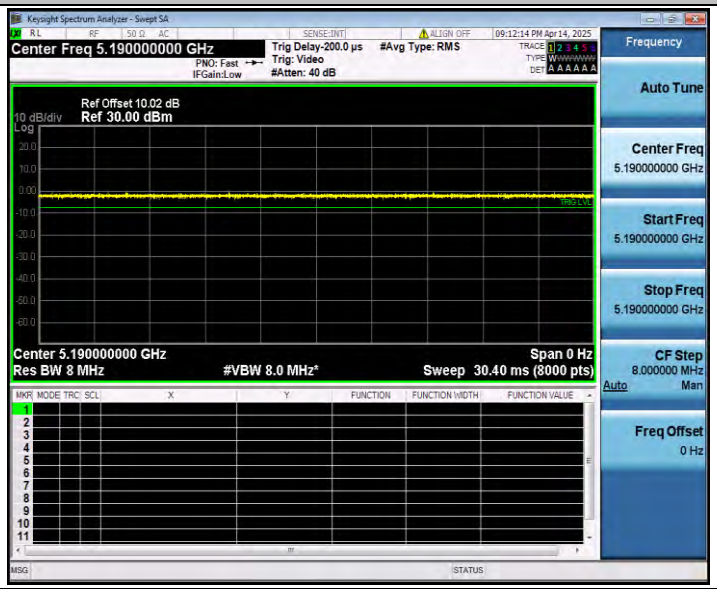


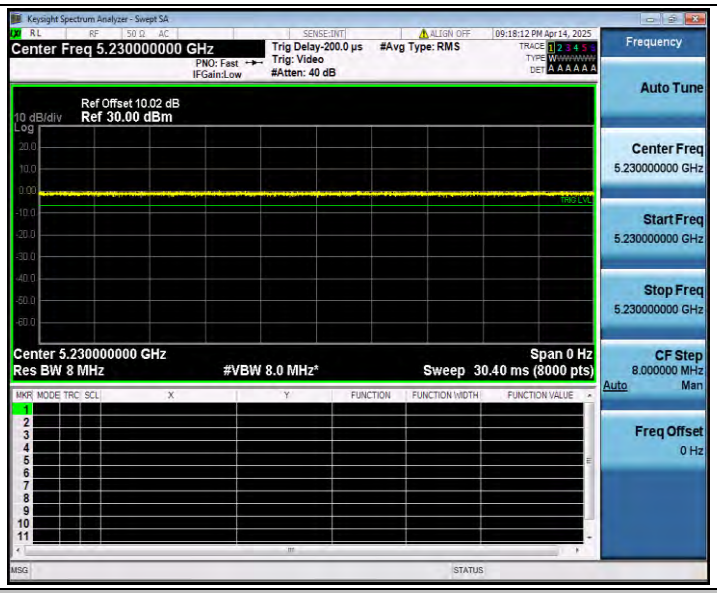
11AC20SISO_Ant1_5180



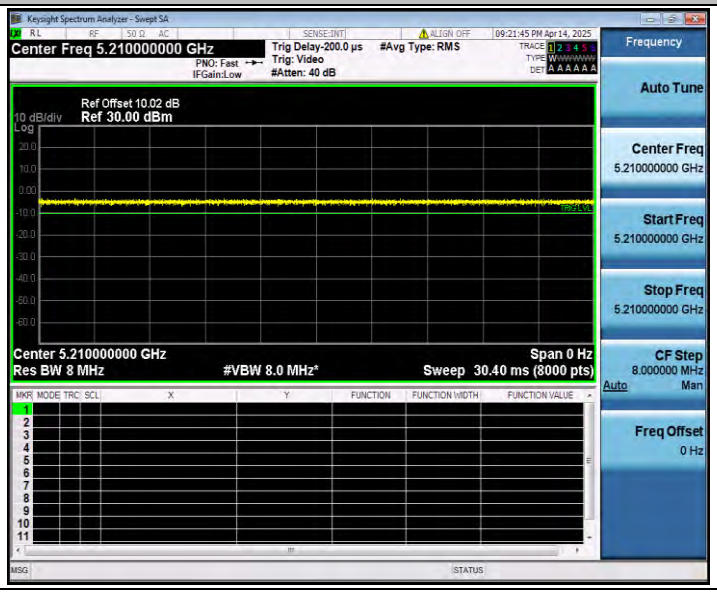
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240

11AC40SISO_Ant1_5190

11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



Appendix D.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	5.18	100.00	0.00	5.18	≤23.98	PASS
		5200	5.80	100.00	0.00	5.80	≤23.98	PASS
		5240	7.00	100.00	0.00	7.00	≤23.98	PASS
11N20SISO	Ant1	5180	5.09	100.00	0.00	5.09	≤23.98	PASS
		5200	5.66	100.00	0.00	5.66	≤23.98	PASS
		5240	5.93	100.00	0.00	5.93	≤23.98	PASS
11N40SISO	Ant1	5190	4.66	100.00	0.00	4.66	≤23.98	PASS
		5230	5.52	100.00	0.00	5.52	≤23.98	PASS
11AC20SISO	Ant1	5180	4.87	100.00	0.00	4.87	≤23.98	PASS
		5200	5.15	100.00	0.00	5.15	≤23.98	PASS
		5240	5.78	100.00	0.00	5.78	≤23.98	PASS
11AC40SISO	Ant1	5190	4.80	100.00	0.00	4.80	≤23.98	PASS
		5230	5.70	100.00	0.00	5.70	≤23.98	PASS
11AC80SISO	Ant1	5210	5.72	100.00	0.00	5.72	≤23.98	PASS

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-6.46	≤11.00	PASS
		5200	-5.77	≤11.00	PASS
		5240	-4.63	≤11.00	PASS
11N20SISO	Ant1	5180	-6.74	≤11.00	PASS
		5200	-6.18	≤11.00	PASS
		5240	-5.87	≤11.00	PASS
11N40SISO	Ant1	5190	-9.72	≤11.00	PASS
		5230	-9.07	≤11.00	PASS
11AC20SISO	Ant1	5180	-6.90	≤11.00	PASS
		5200	-6.67	≤11.00	PASS
		5240	-6.04	≤11.00	PASS
11AC40SISO	Ant1	5190	-9.55	≤11.00	PASS
		5230	-8.90	≤11.00	PASS
11AC80SISO	Ant1	5210	-10.31	≤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

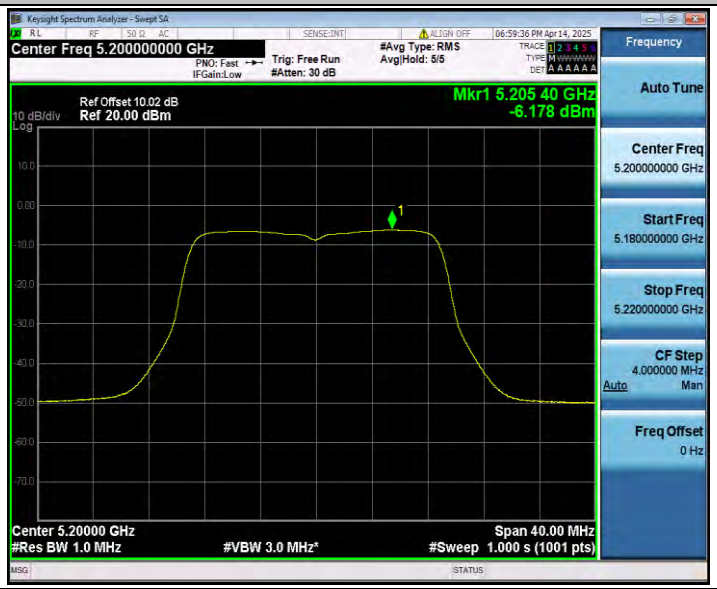
11A_Ant1_5240



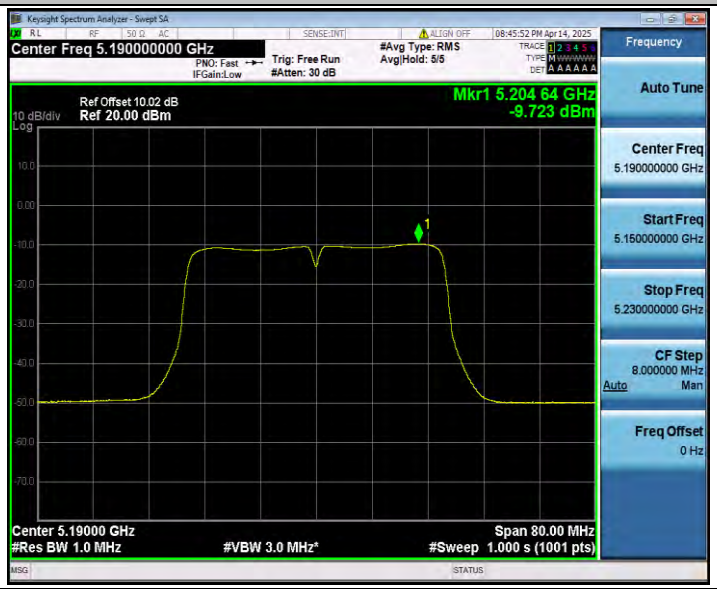
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240

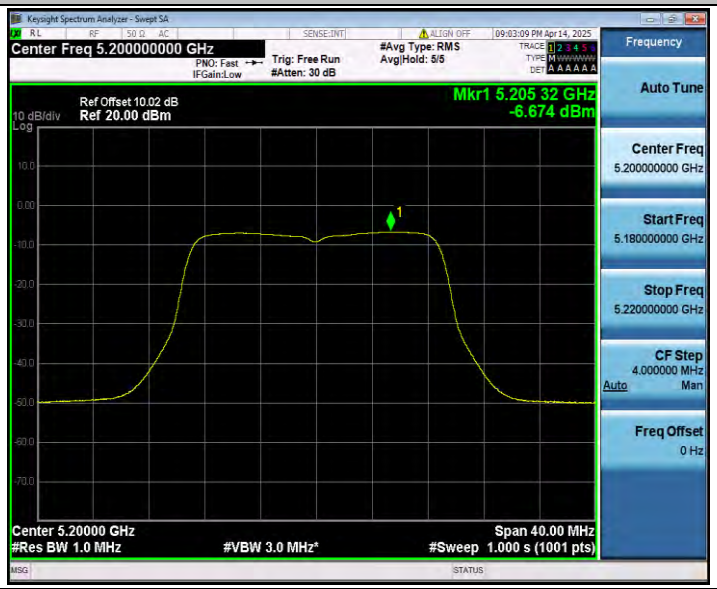
11N40SISO_Ant1_5190

11N40SISO_Ant1_5230

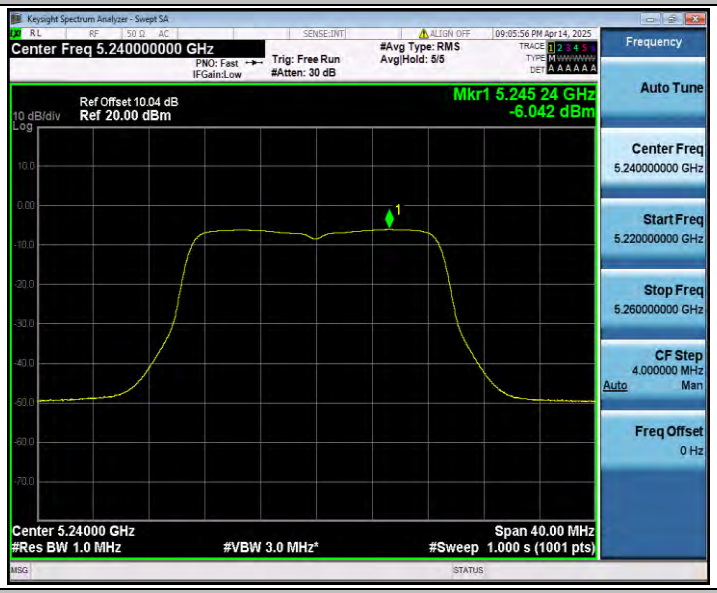
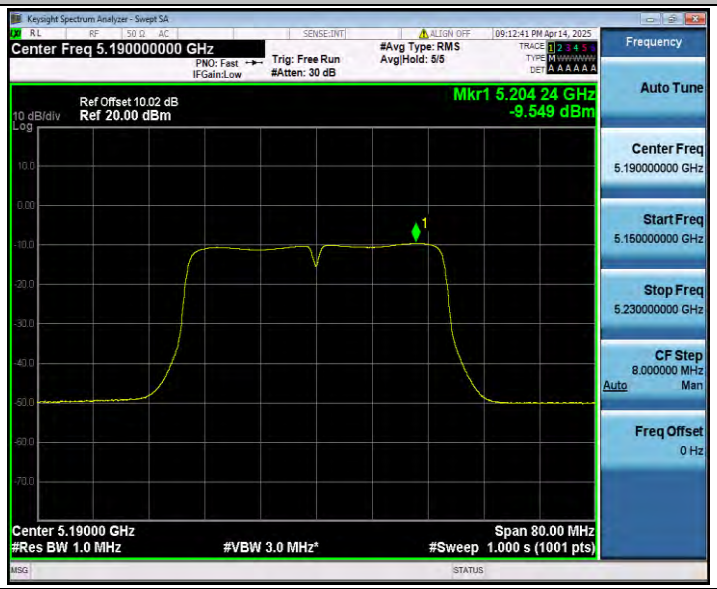


11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240

11AC40SISO_Ant1_5190

11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210

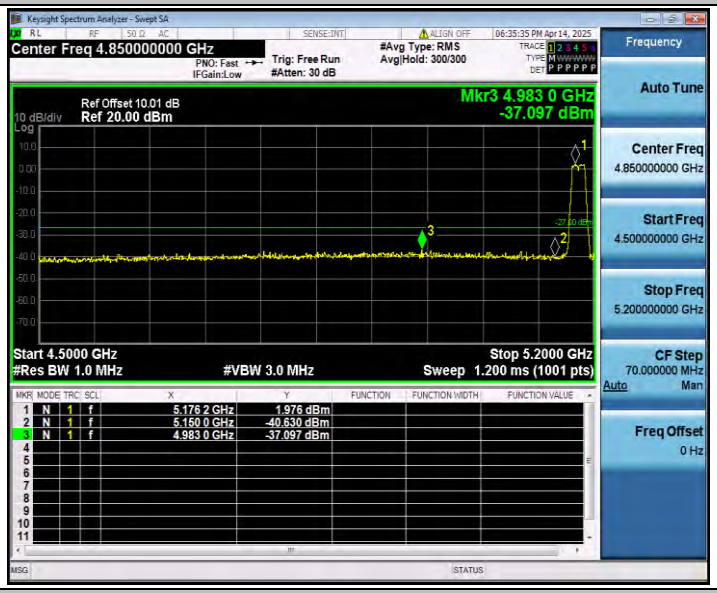
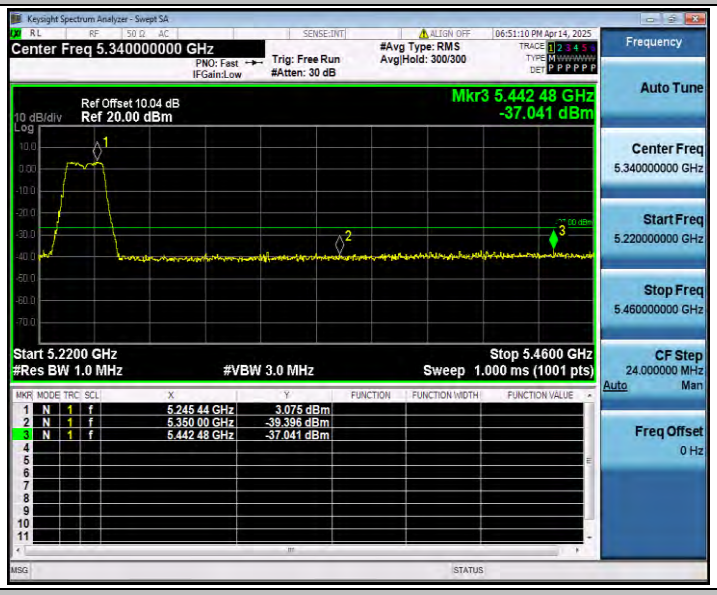


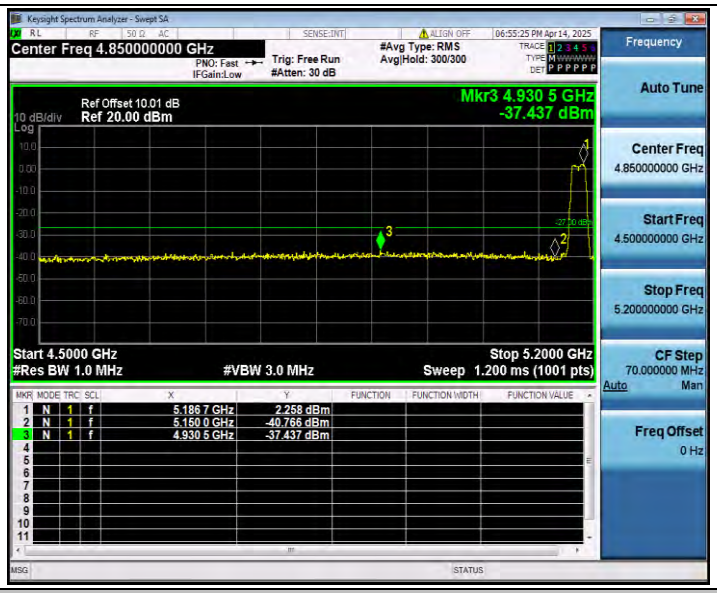
Appendix D.6: Band edge measurements

Test Result B1

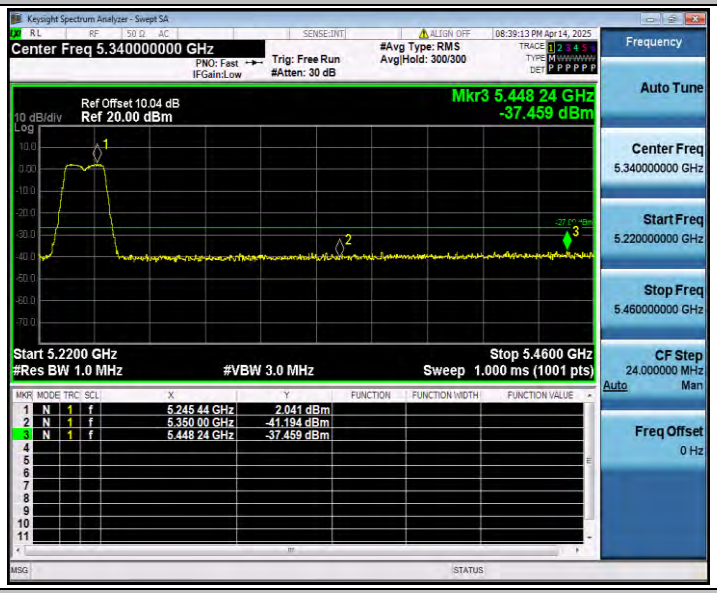
TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-37.1	≤-27	PASS
		High	5240	-37.04	≤-27	PASS
11N20SISO	Ant1	Low	5180	-37.44	≤-27	PASS
		High	5240	-37.46	≤-27	PASS
11N40SISO	Ant1	Low	5190	-37.54	≤-27	PASS
		High	5230	-37.65	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-37.03	≤-27	PASS
		High	5240	-37.19	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-36.35	≤-27	PASS
		High	5230	-37.22	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-37.04	≤-27	PASS
		High	5210	-37.68	≤-27	PASS

Test Graphs B1

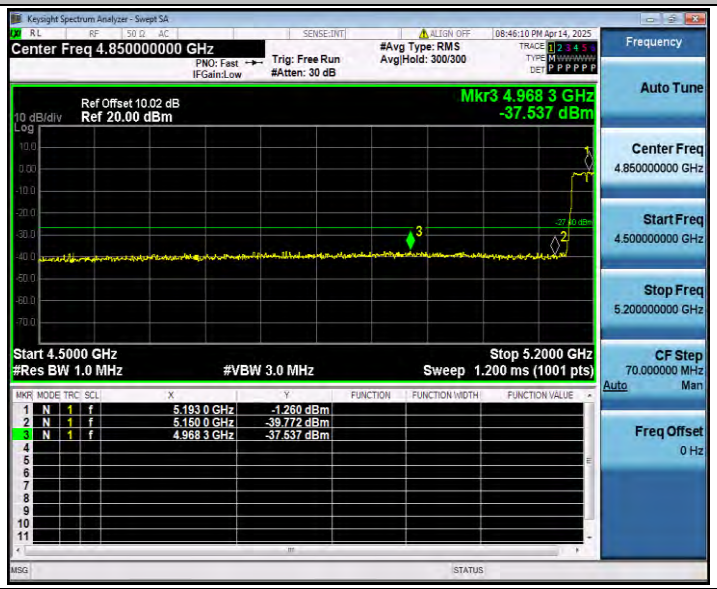
11A_Ant1_Low_5180

11A_Ant1_High_5240

11N20SISO_Ant1_Low_5180

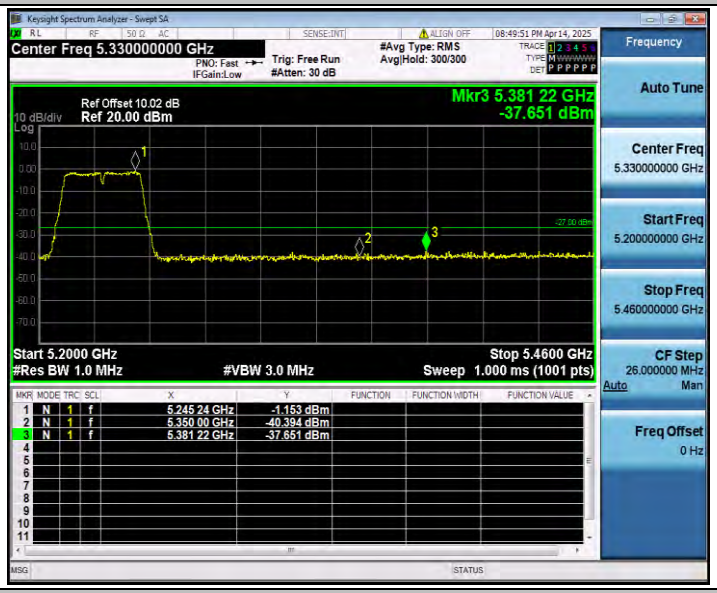
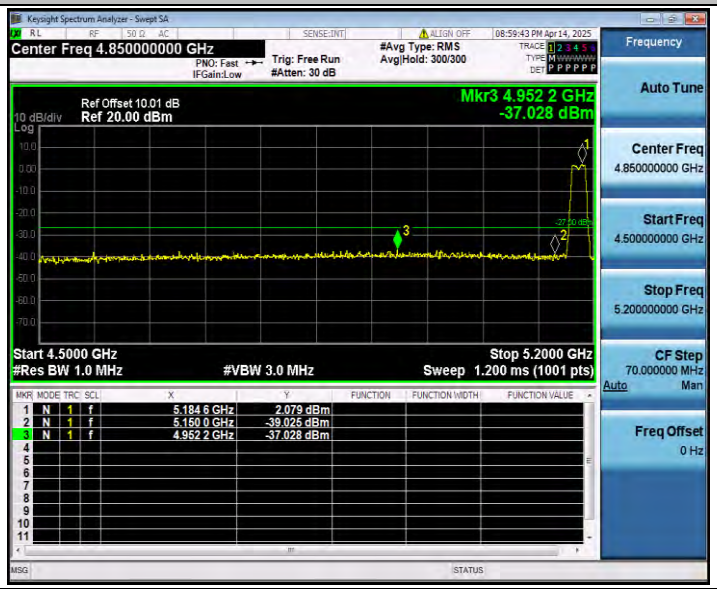


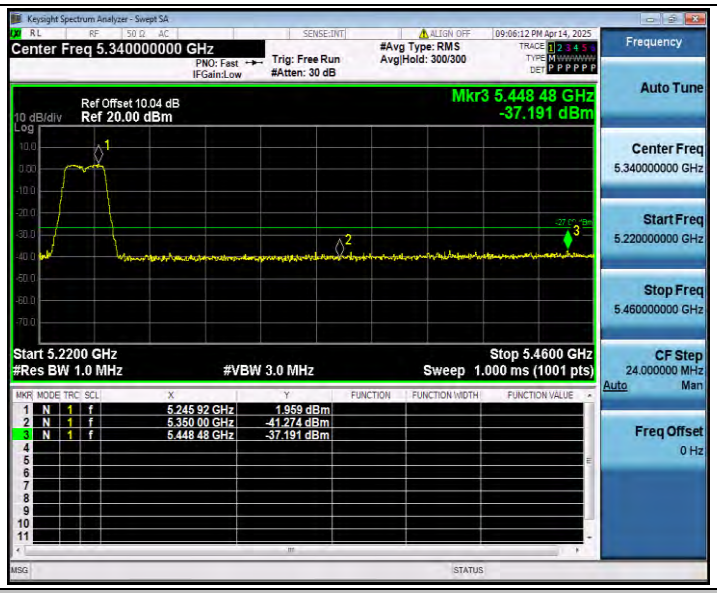
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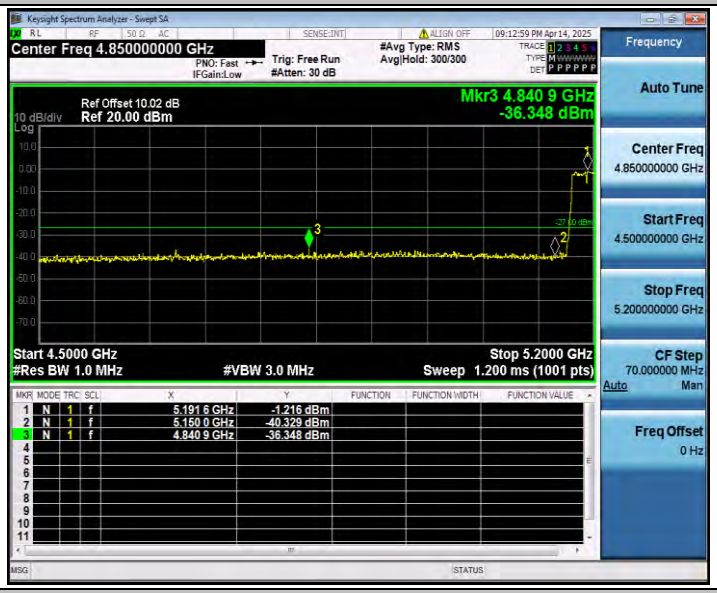
11N40SISO_Ant1_Low_5190



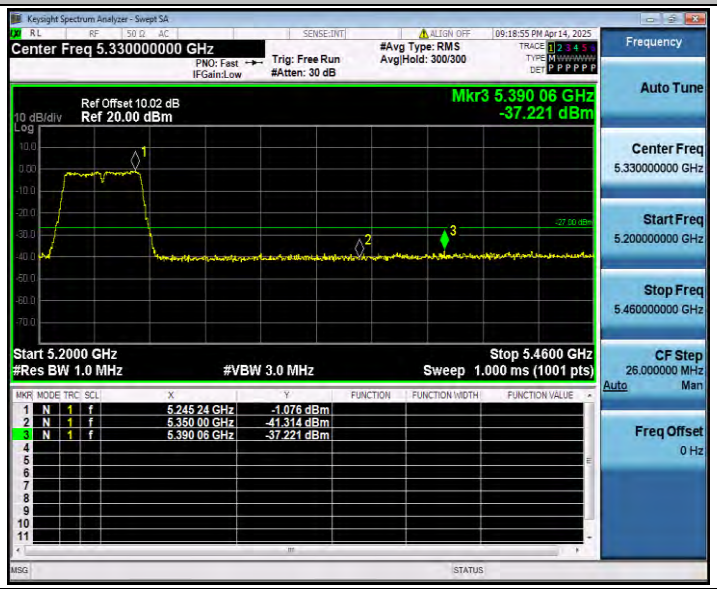
11N40SISO_Ant1_High_5230

11AC20SISO_Ant1_Low_5180

11AC20SISO_Ant1_High_5240

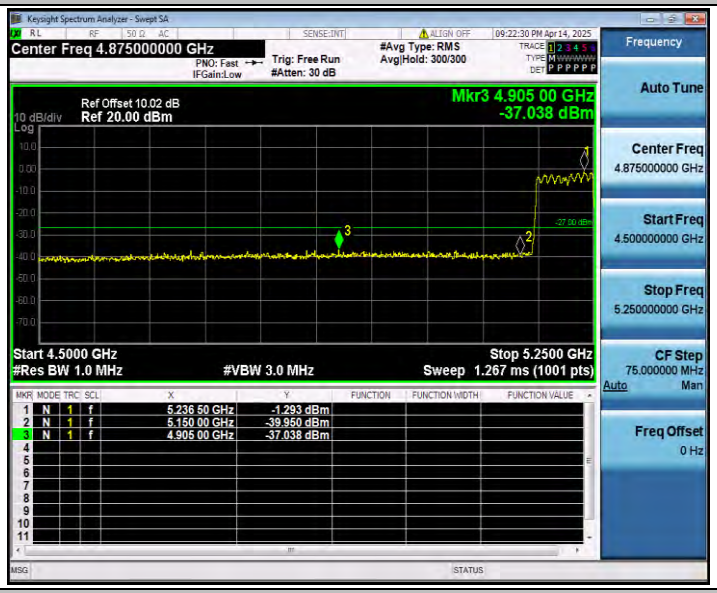
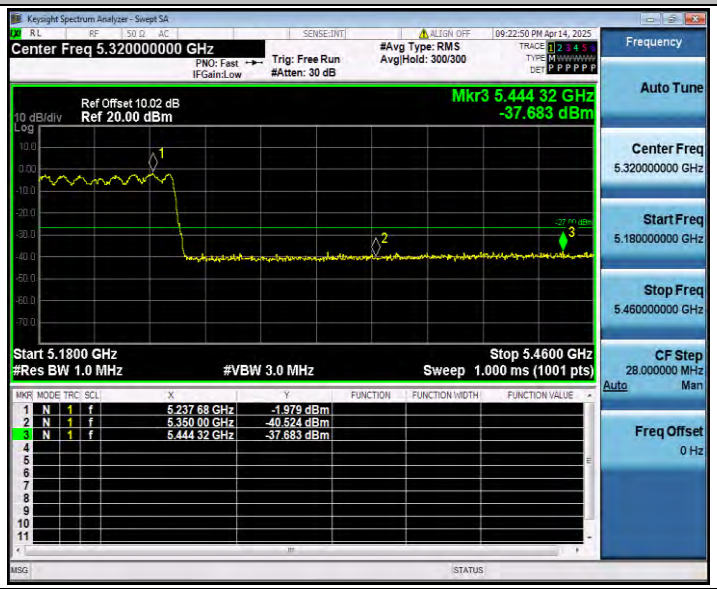


11AC40SISO_Ant1_Low_5190



11AC40SISO_Ant1_High_5230



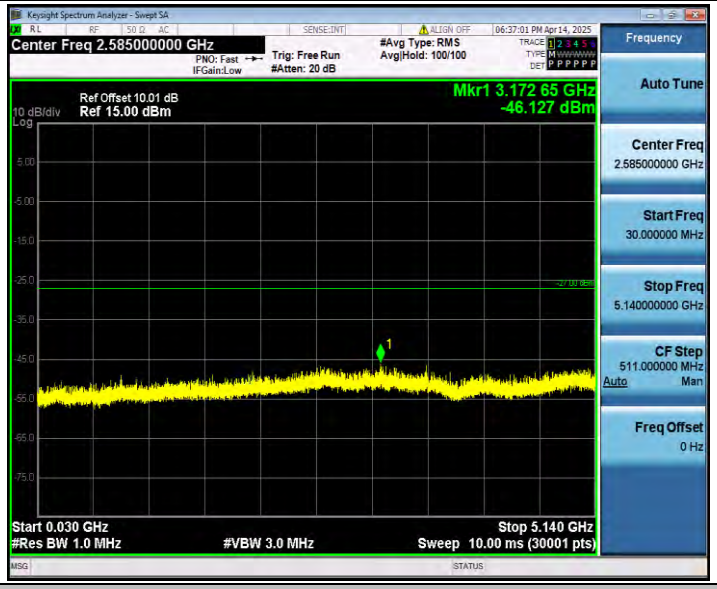
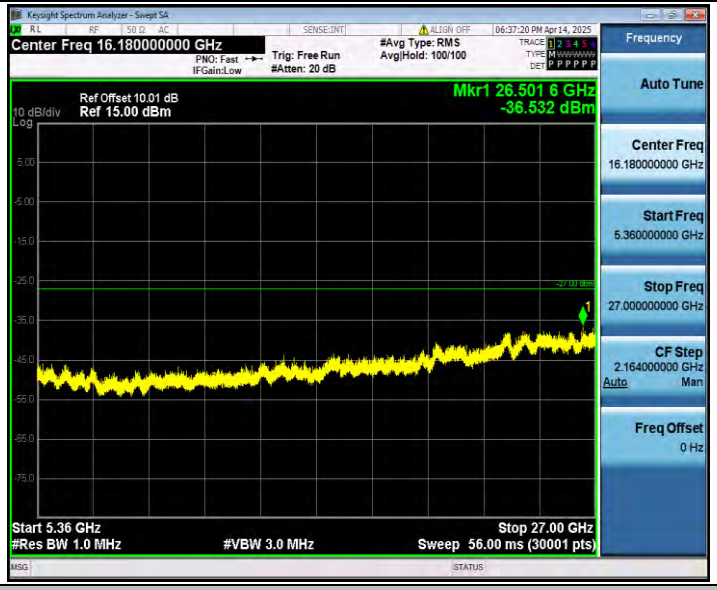
11AC80SISO_Ant1_Low_5210

11AC80SISO_Ant1_High_5210


Appendix D.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	3172.65	-46.13	≤-27	PASS
			5360~27000	26501.56	-36.53	≤-27	PASS
		5200	30~5140	2538.84	-46.42	≤-27	PASS
			5360~27000	26068.76	-36.62	≤-27	PASS
		5240	30~5140	2677.32	-45.7	≤-27	PASS
			5360~27000	24927.61	-36.94	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	3120.19	-46.51	≤-27	PASS
			5360~27000	24281.29	-36.85	≤-27	PASS
		5200	30~5140	4890.46	-46.74	≤-27	PASS
			5360~27000	25028.6	-36.8	≤-27	PASS
		5240	30~5140	2195.45	-46.5	≤-27	PASS
			5360~27000	25120.93	-36.77	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	4968.99	-46.75	≤-27	PASS
			5360~27000	26042.07	-37.05	≤-27	PASS
		5230	30~5140	4921.12	-46.55	≤-27	PASS
			5360~27000	23526.78	-37.07	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	2734.21	-46.96	≤-27	PASS
			5360~27000	24199.78	-36.67	≤-27	PASS
		5200	30~5140	2654.33	-46.77	≤-27	PASS
			5360~27000	24226.47	-37.33	≤-27	PASS
		5240	30~5140	4993.68	-46.22	≤-27	PASS
			5360~27000	26826.88	-37.33	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5105.76	-46.75	≤-27	PASS
			5360~27000	25521.27	-37.38	≤-27	PASS
		5230	30~5140	2662.16	-46.45	≤-27	PASS
			5360~27000	25672.03	-36.65	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5134.72	-44.92	≤-27	PASS
			5360~27000	24202.67	-36.65	≤-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

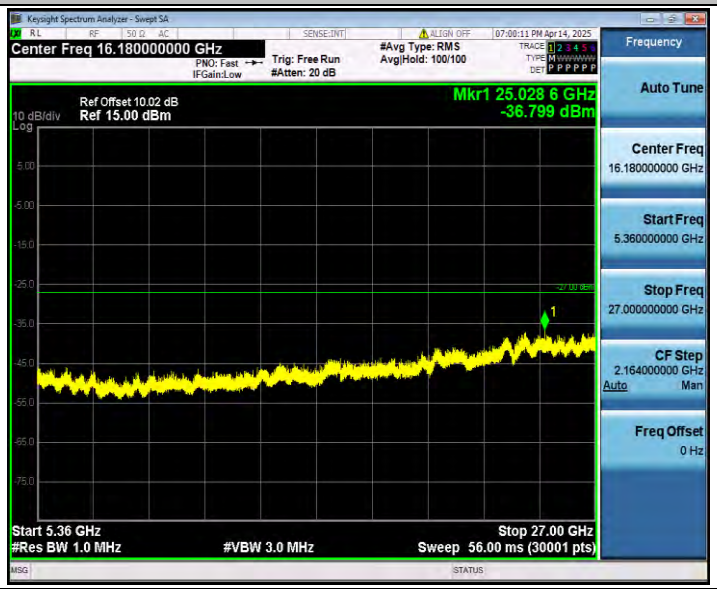
11N20SISO_Ant1_5180_5360~27000



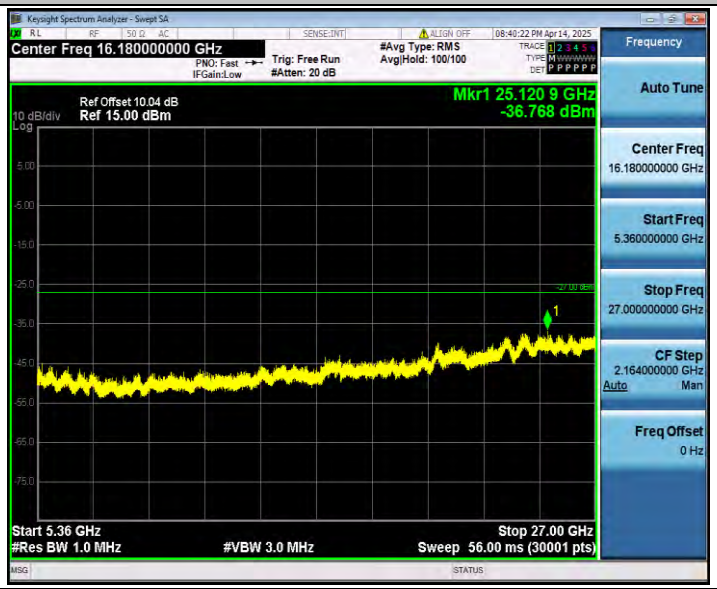
11N20SISO_Ant1_5200_30~5140



11N20SISO_Ant1_5200_5360~27000



11N20SISO_Ant1_5240_30~5140

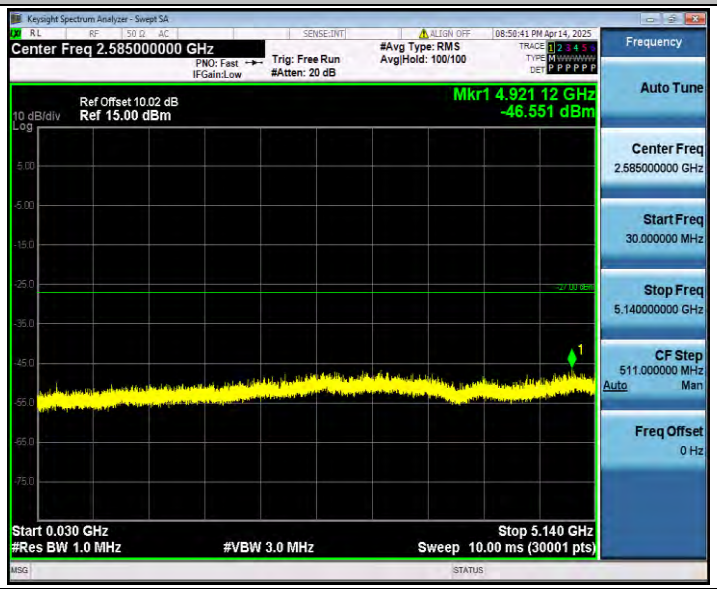
11N20SISO_Ant1_5240_5360~27000

11N40SISO_Ant1_5190_30~5140



11N40SISO_Ant1_5190_5360~27000



11N40SISO_Ant1_5230_30~5140



11N40SISO_Ant1_5230_5360~27000

11AC20SISO_Ant1_5180_30~5140

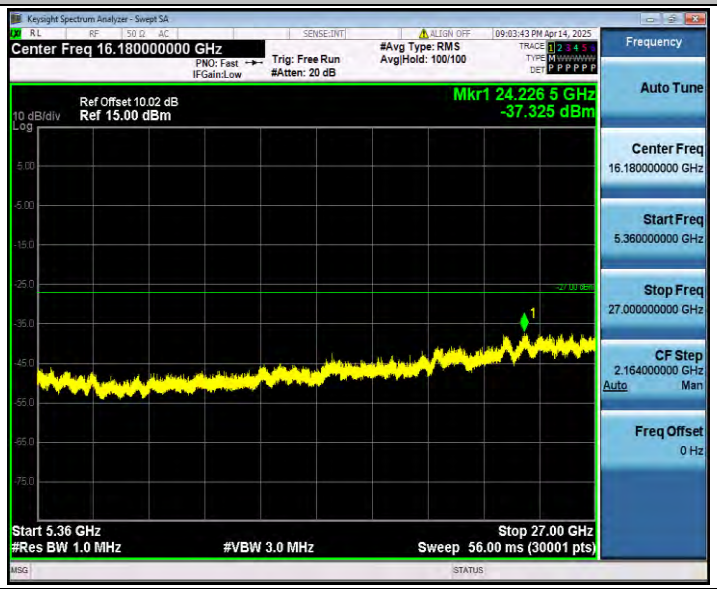
11AC20SISO_Ant1_5180_5360~27000



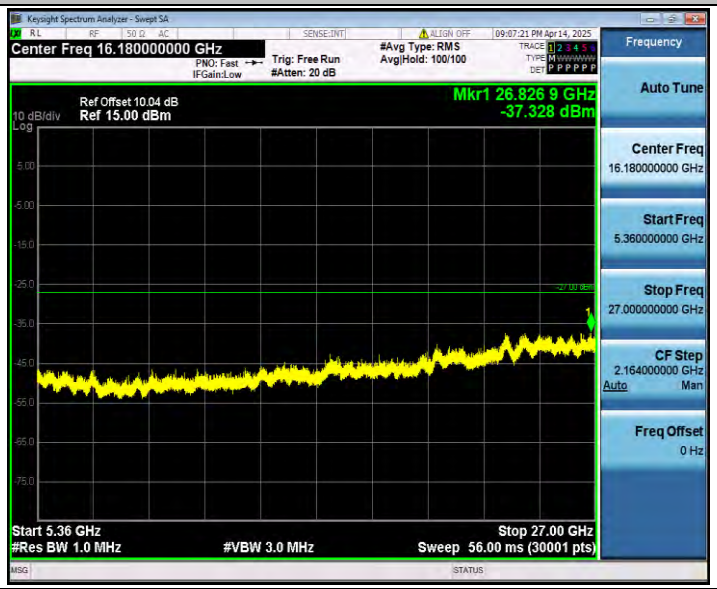
11AC20SISO_Ant1_5200_30~5140



11AC20SISO_Ant1_5200_5360~27000



11AC20SISO_Ant1_5240_30~5140

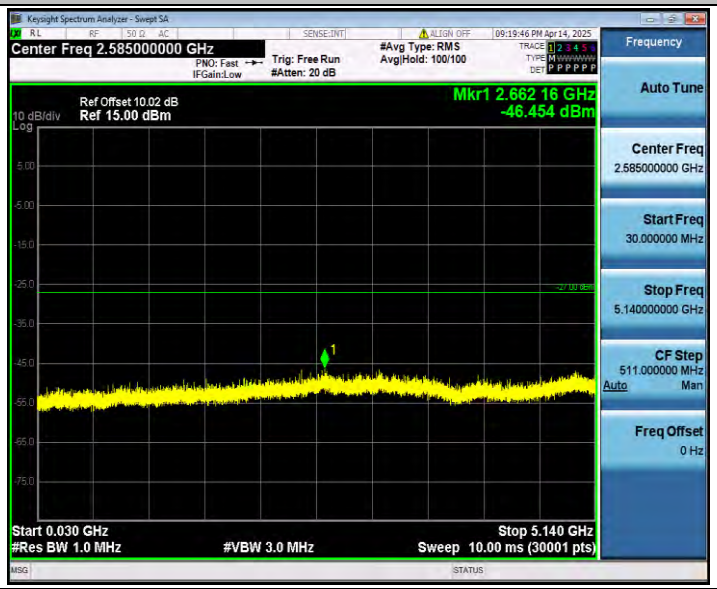
11AC20SISO_Ant1_5240_5360~27000

11AC40SISO_Ant1_5190_30~5140



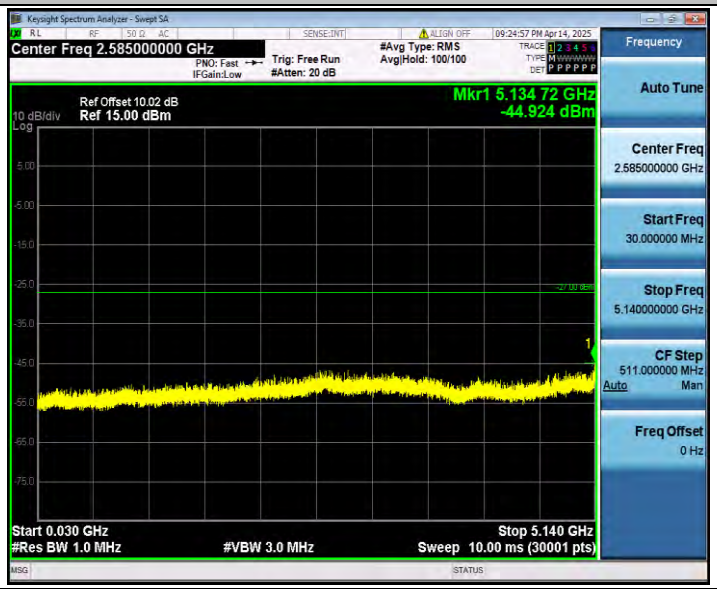
11AC40SISO_Ant1_5190_5360~27000



11AC40SISO_Ant1_5230_30~5140



11AC40SISO_Ant1_5230_5360~27000

11AC80SISO_Ant1_5210_30~5140

11AC80SISO_Ant1_5210_5360~27000


Keysight Spectrum Analyzer - Swept SA
Center Freq 16.180000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
#Avg Type: RMS
Avg|Hold: 100/100
09:25:16 PM Apr 14, 2025
Ref Offset 10.02 dB
10 dB/div
Ref 15.00 dBm
Log
Mkr1 24.202 7 GHz
-36.647 dBm
Start 5.36 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 27.00 GHz
Sweep 56.00 ms (30001 pts)
Frequency
Auto Tune
Center Freq
16.180000000 GHz
Start Freq
5.360000000 GHz
Stop Freq
27.000000000 GHz
CF Step
2.164000000 GHz
Auto
Man
Freq Offset
0 Hz