

Case No. : GTS20220510015-1.14	
Ambient Condition: 25 °C, 45 %RH,	
Test Date: 2022.7.4	Test Engineer: Jenny zeng

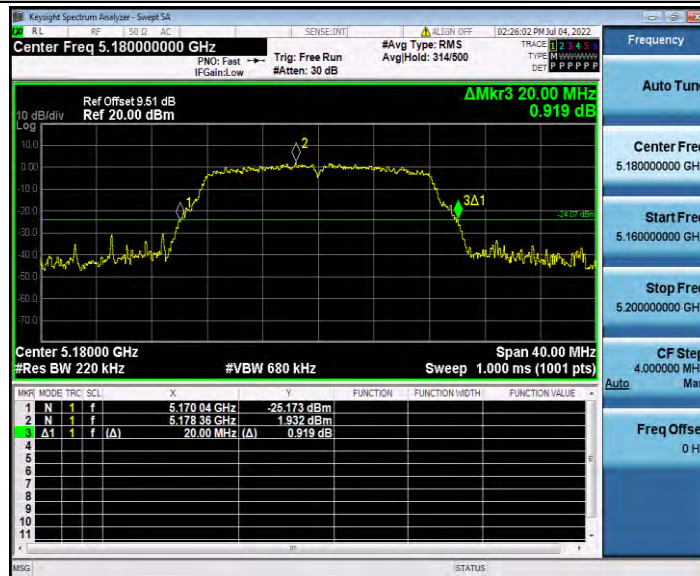
Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.000	5170.040	5190.040	---	---
		5200	19.800	5189.960	5209.760	---	---
		5240	19.760	5230.160	5249.920	---	---
11N20SISO	Ant1	5180	20.240	5169.800	5190.040	---	---
		5200	20.360	5189.960	5210.320	---	---
		5240	20.080	5229.960	5250.040	---	---
11N40SISO	Ant1	5190	40.320	5169.920	5210.240	---	---
		5230	40.160	5210.000	5250.160	---	---
11AC20SISO	Ant1	5180	20.120	5169.920	5190.040	---	---
		5200	20.240	5189.920	5210.160	---	---
		5240	20.120	5230.040	5250.160	---	---
11AC40SISO	Ant1	5190	40.320	5169.840	5210.160	---	---
		5230	39.920	5209.920	5249.840	---	---
11AC80SISO	Ant1	5210	80.800	5169.520	5250.320	---	---

Test Graphs

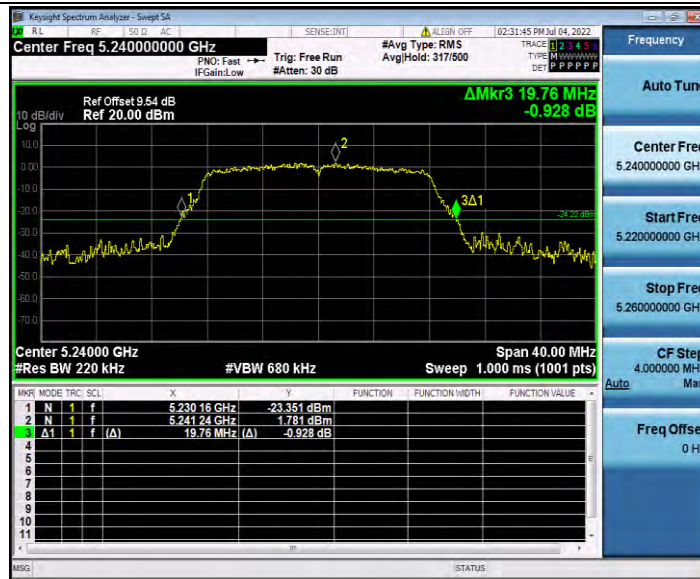
11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



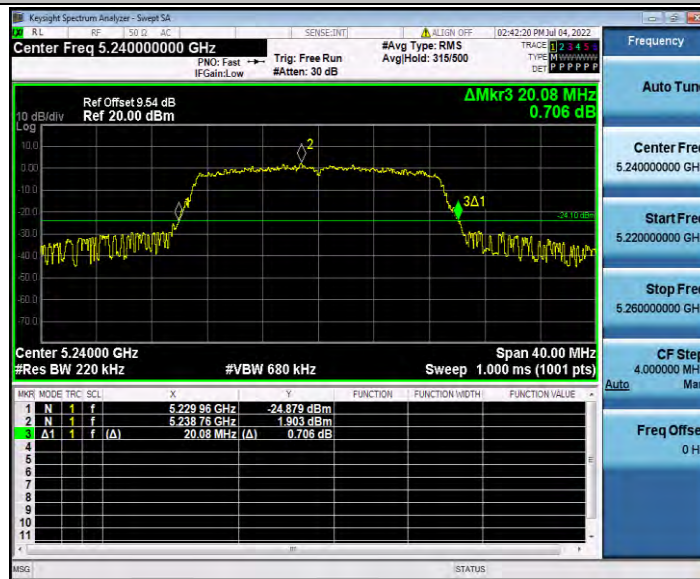
11N20SISO_Ant1_5180



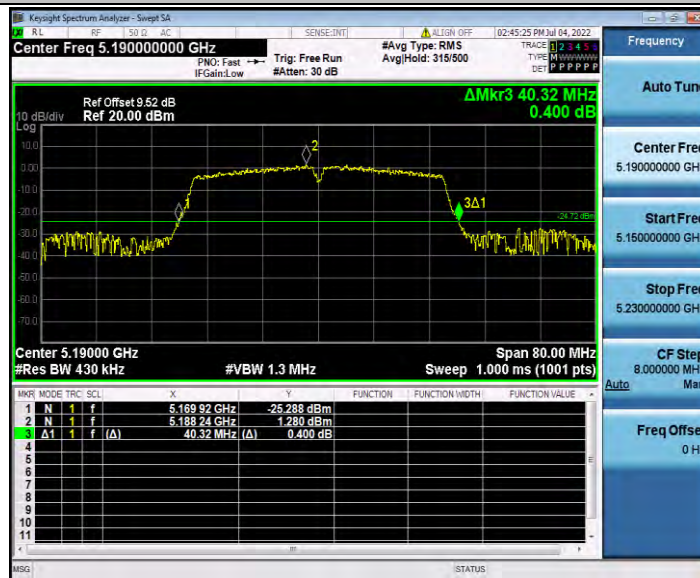
11N20SISO_Ant1_5200



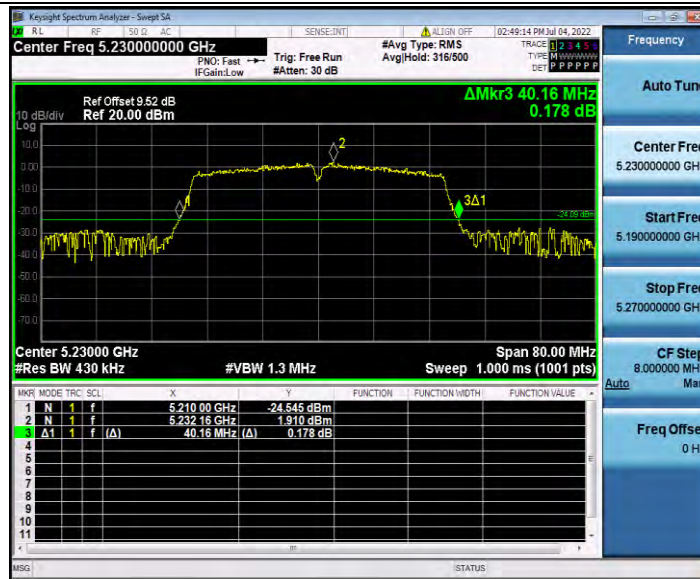
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



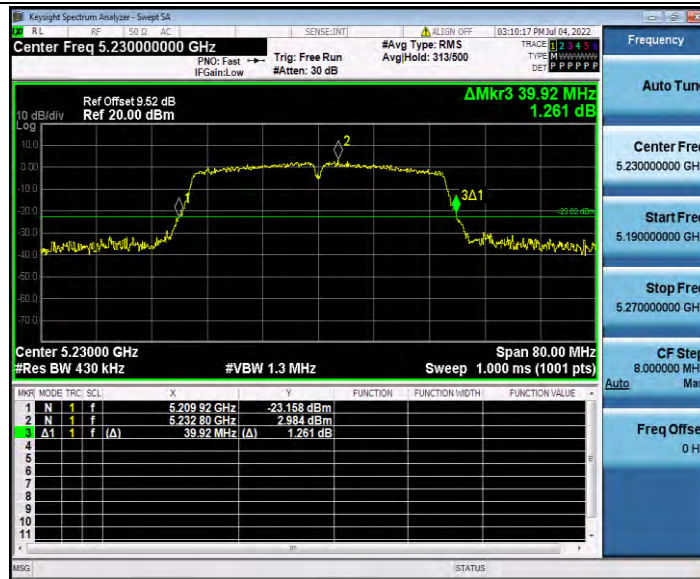
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



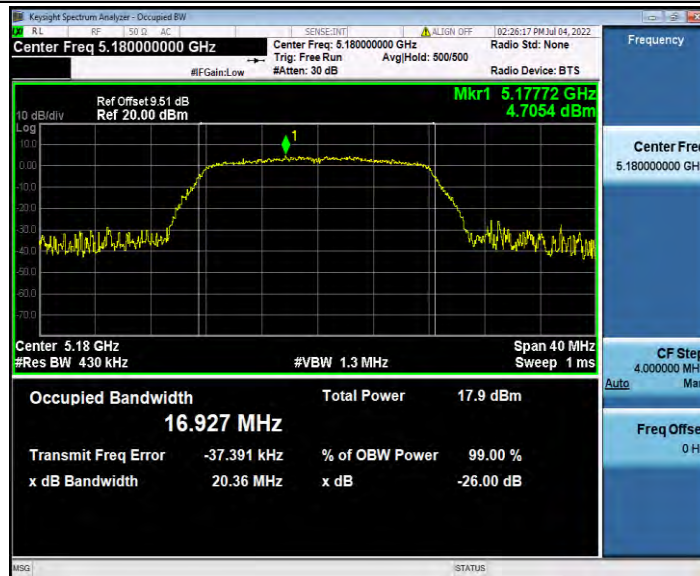
Appendix D.2: Occupied channel bandwidth

Test Result

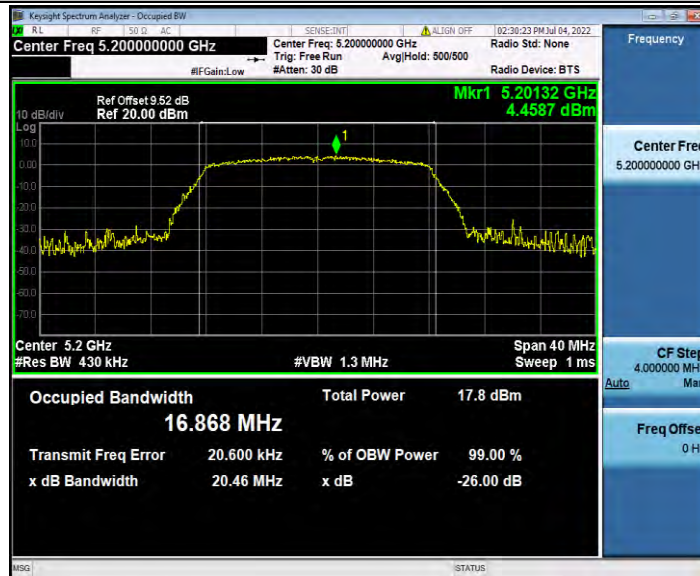
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.927	5171.499	5188.426	---	---
		5200	16.868	5191.587	5208.455	---	---
		5240	16.904	5231.513	5248.417	---	---
11N20SISO	Ant1	5180	17.897	5171.054	5188.951	---	---
		5200	17.927	5191.059	5208.986	---	---
		5240	17.895	5231.060	5248.955	---	---
11N40SISO	Ant1	5190	36.395	5171.880	5208.275	---	---
		5230	36.321	5211.840	5248.161	---	---
11AC20SISO	Ant1	5180	17.824	5171.086	5188.910	---	---
		5200	17.805	5191.111	5208.916	---	---
		5240	17.854	5231.070	5248.924	---	---
11AC40SISO	Ant1	5190	36.226	5171.932	5208.158	---	---
		5230	36.240	5211.925	5248.165	---	---
11AC80SISO	Ant1	5210	75.234	5172.460	5247.694	---	---

Test Graphs

11A_Ant1_5180



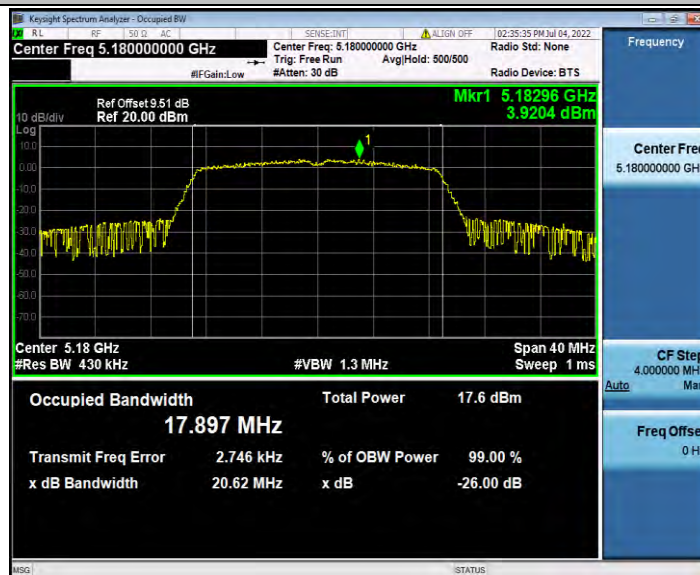
11A_Ant1_5200



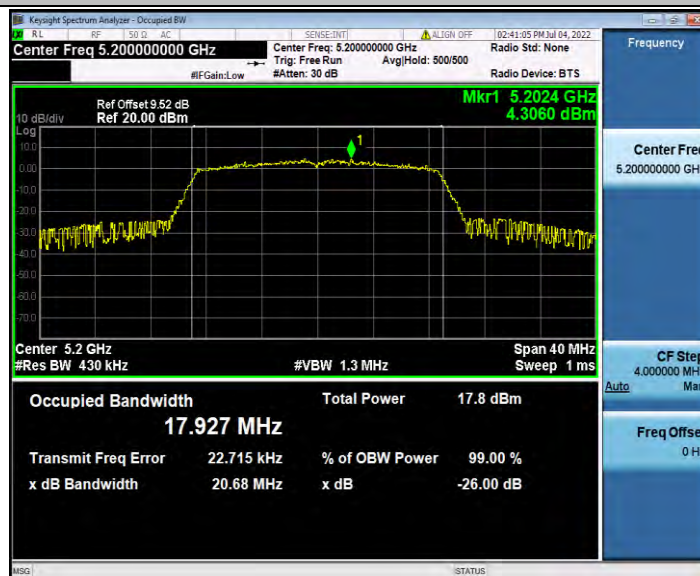
11A_Ant1_5240



11N20SISO_Ant1_5180



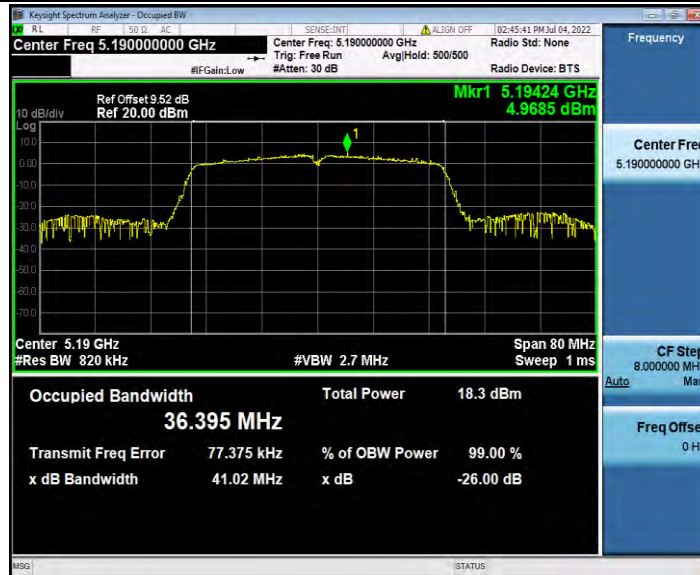
11N20SISO_Ant1_5200



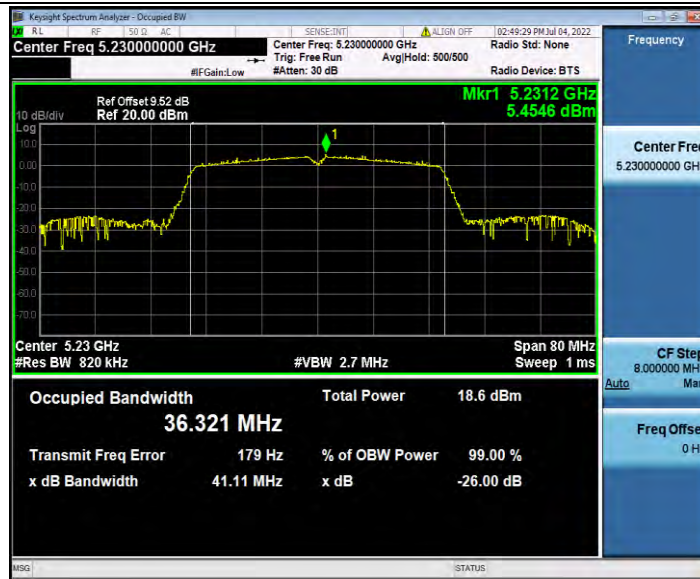
11N20SISO_Ant1_5240



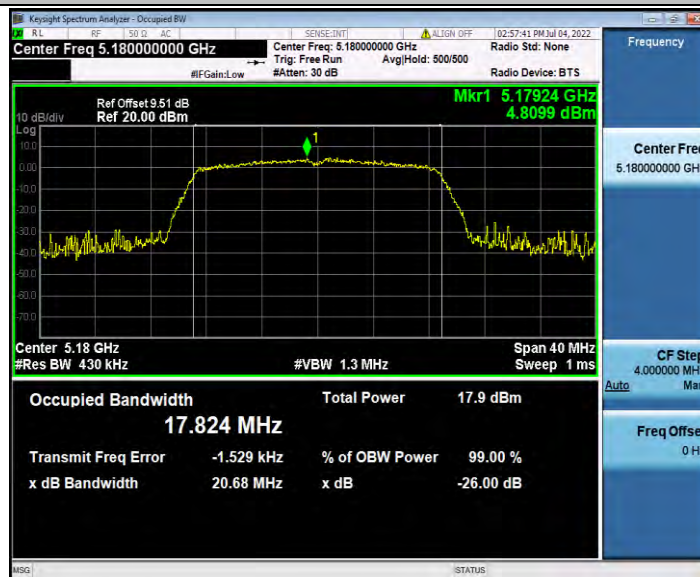
11N40SISO_Ant1_5190



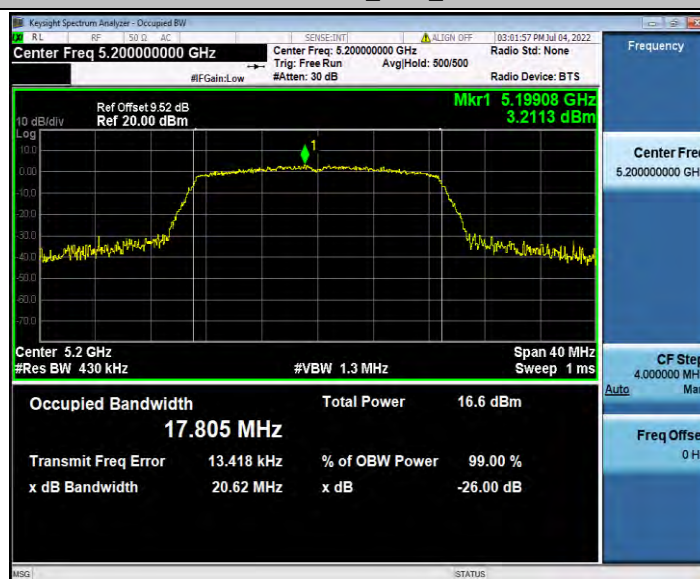
11N40SISO_Ant1_5230



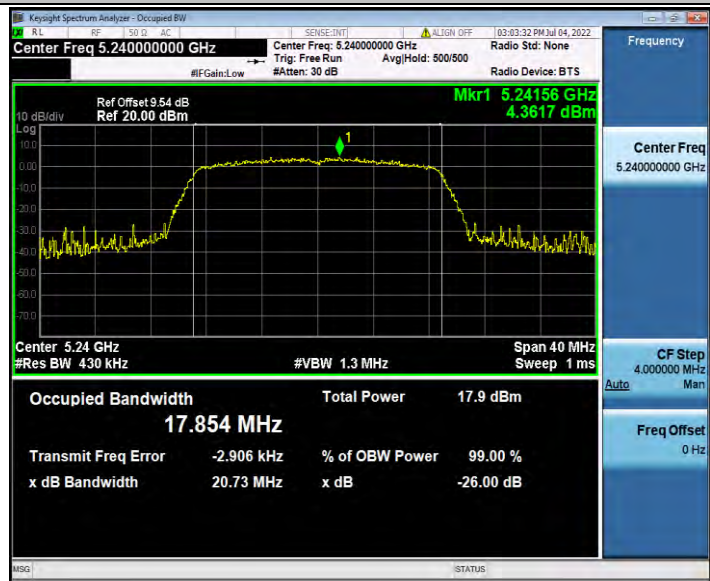
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



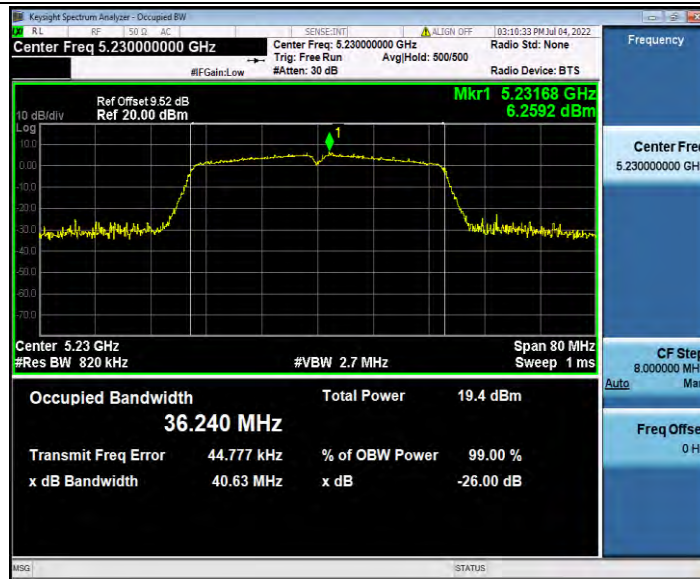
11AC20SISO_Ant1_5240



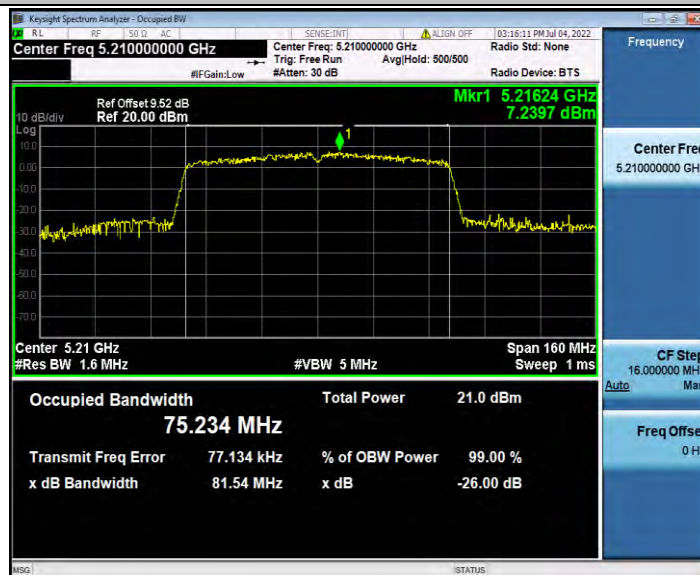
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



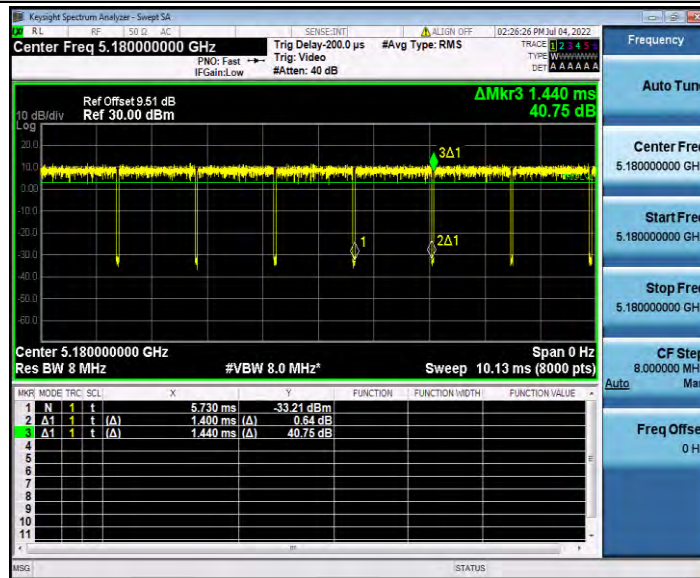
Appendix D.3: Duty Cycle

Test Result

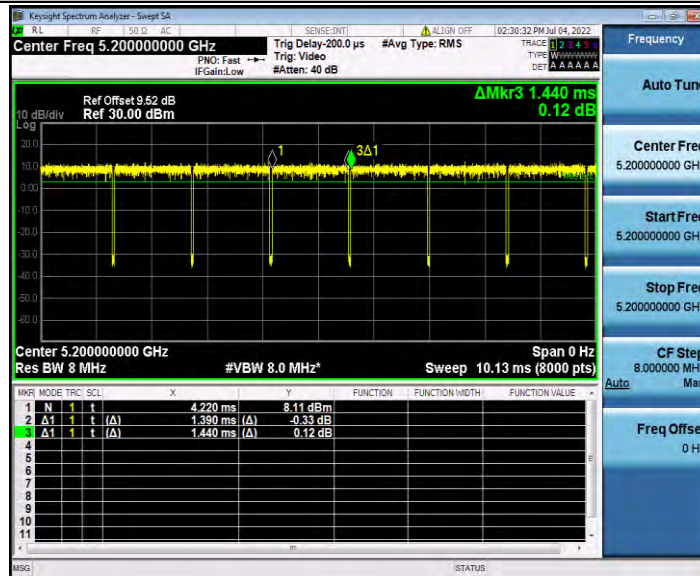
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dBm]
11A	Ant1	5180	1.40	1.44	97.22	0.12
		5200	1.39	1.44	96.53	0.15
		5240	1.39	1.44	96.53	0.15
11N20SISO	Ant1	5180	1.30	1.34	97.01	0.13
		5200	1.30	1.34	97.01	0.13
		5240	1.29	1.34	96.27	0.17
11N40SISO	Ant1	5190	0.65	0.69	94.20	0.26
		5230	0.64	0.69	92.75	0.33
11AC20SISO	Ant1	5180	1.31	1.35	97.04	0.13
		5200	1.31	1.35	97.04	0.13
		5240	1.31	1.36	96.32	0.16
11AC40SISO	Ant1	5190	0.65	0.70	92.86	0.32
		5230	0.65	0.69	94.20	0.26
11AC80SISO	Ant1	5210	0.32	0.37	86.49	0.63

Test Graphs

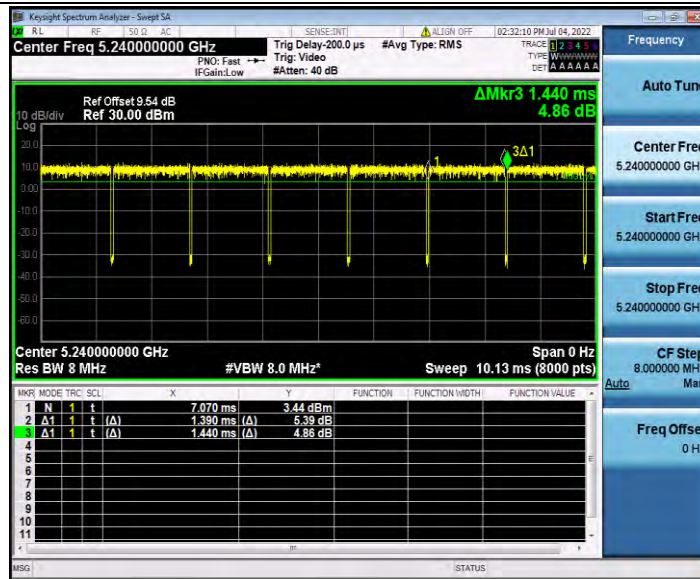
11A_Ant1_5180



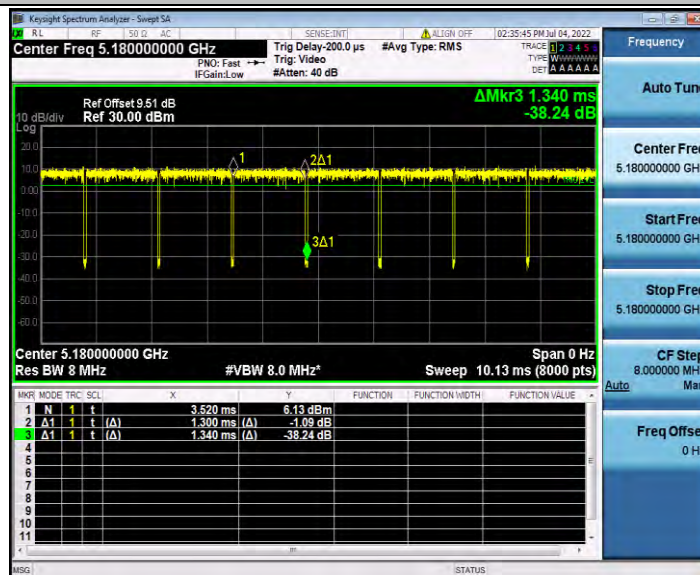
11A_Ant1_5200



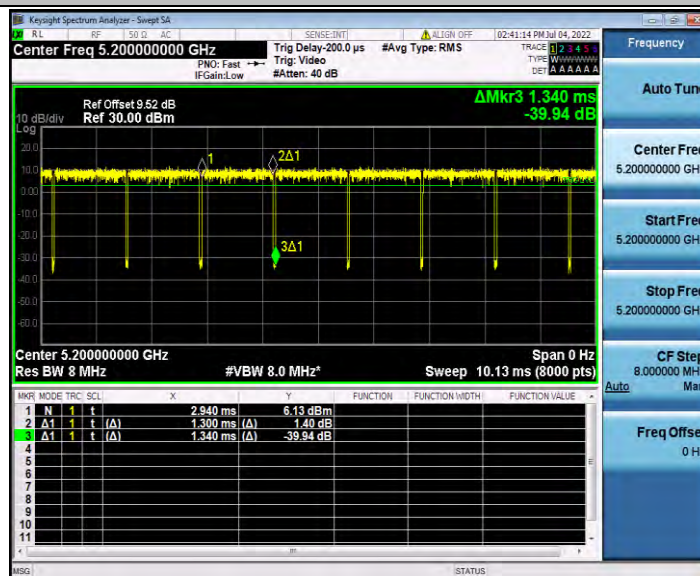
11A_Ant1_5240



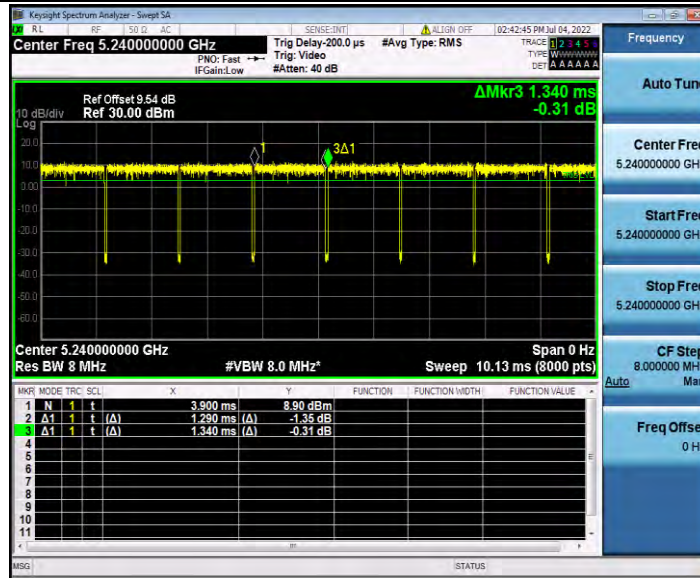
11N20SISO_Ant1_5180



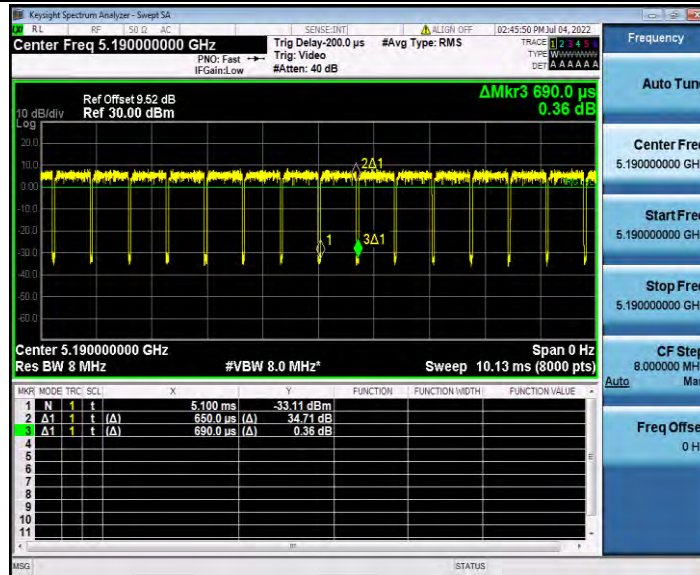
11N20SISO_Ant1_5200



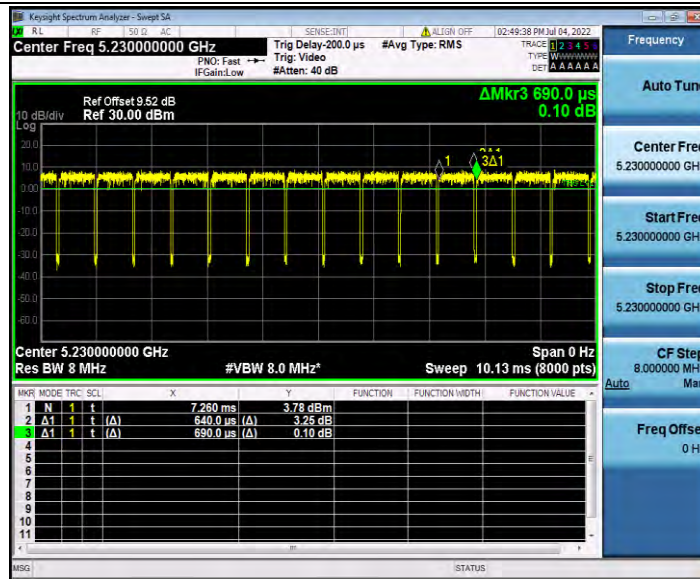
11N20SISO_Ant1_5240



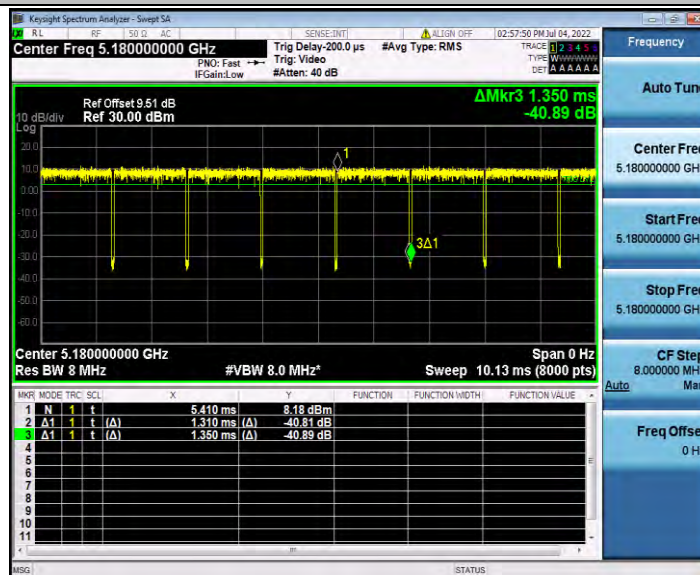
11N40SISO_Ant1_5190



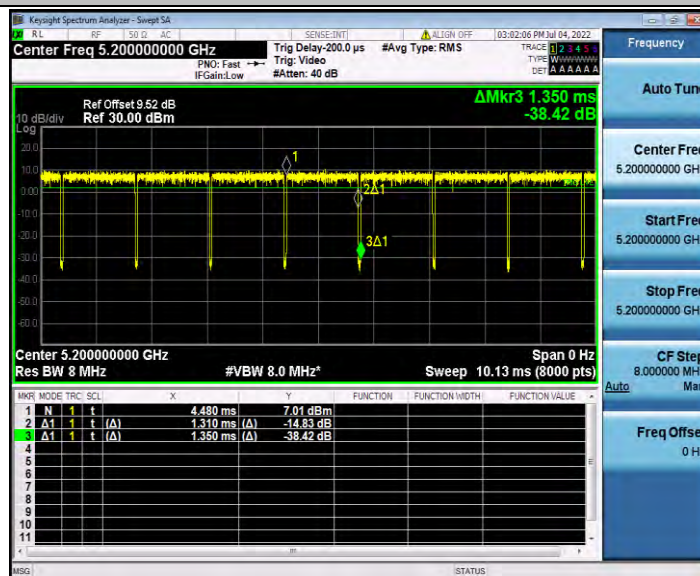
11N40SISO_Ant1_5230



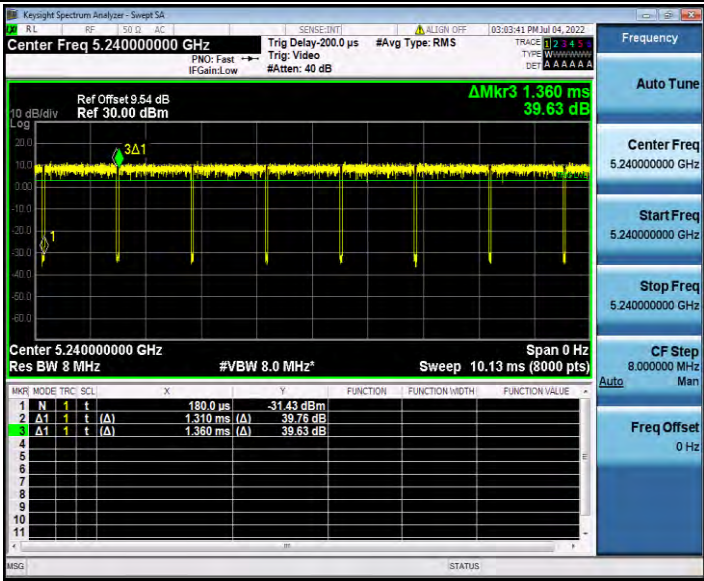
11AC20SISO_Ant1_5180



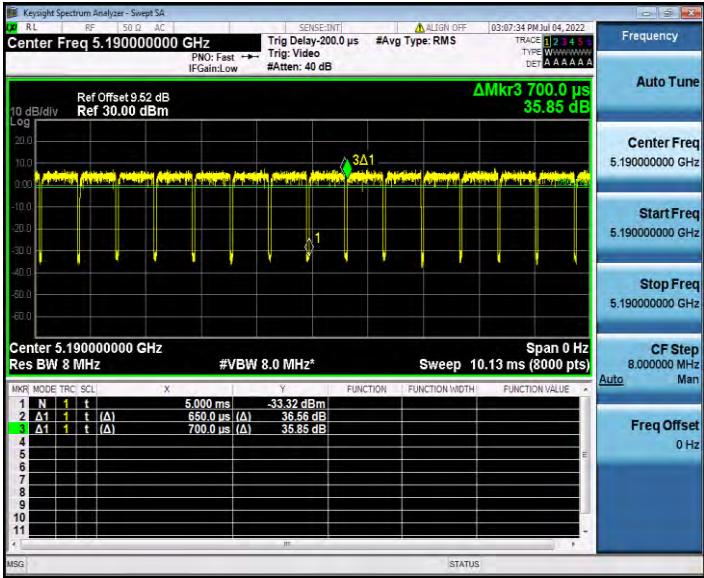
11AC20SISO_Ant1_5200



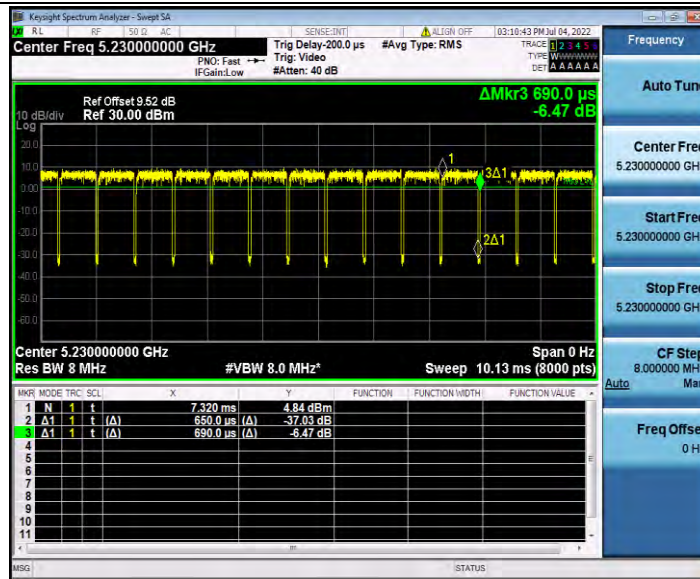
11AC20SISO_Ant1_5240



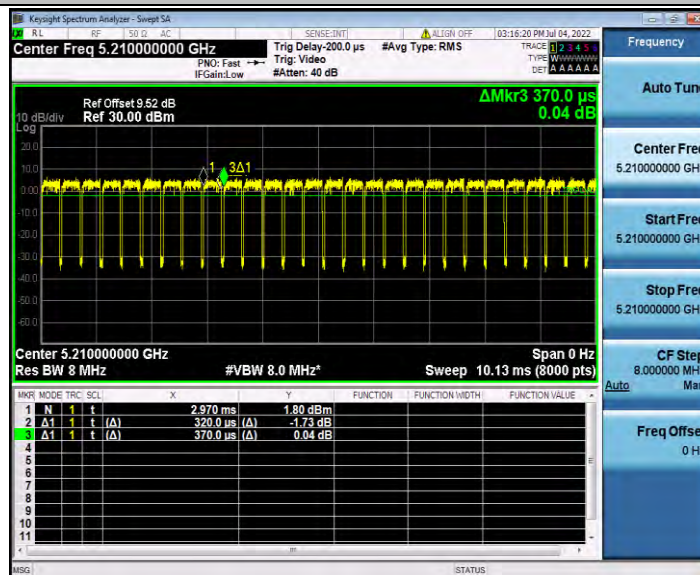
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



Appendix D.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	5.99	≤11.00	PASS
		5200	6.75	≤11.00	PASS
		5240	6.58	≤11.00	PASS
11N20SISO	Ant1	5180	5.59	≤11.00	PASS
		5200	5.97	≤11.00	PASS
		5240	6.35	≤11.00	PASS
11N40SISO	Ant1	5190	3.17	≤11.00	PASS
		5230	4.44	≤11.00	PASS
11AC20SISO	Ant1	5180	6.07	≤11.00	PASS
		5200	4.83	≤11.00	PASS
		5240	5.91	≤11.00	PASS
11AC40SISO	Ant1	5190	1.67	≤11.00	PASS
		5230	4.76	≤11.00	PASS
11AC80SISO	Ant1	5210	3.38	≤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



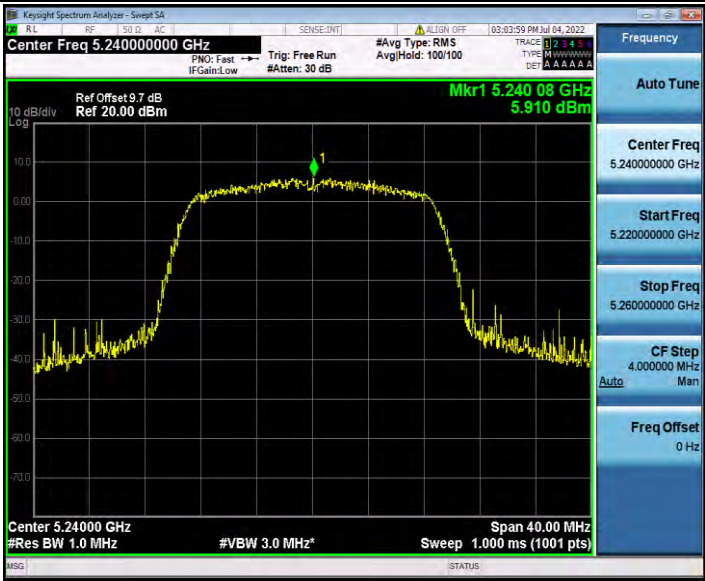
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



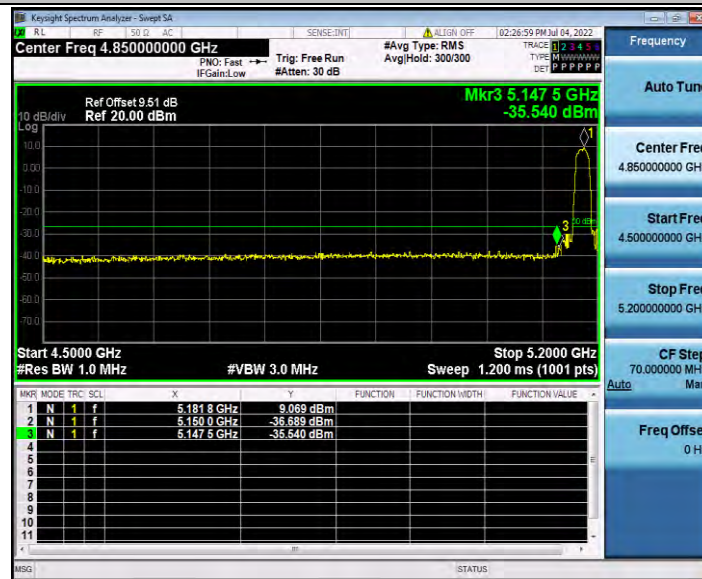
Appendix D.5: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-35.54	≤-27	PASS
		High	5240	-37.36	≤-27	PASS
11N20SISO	Ant1	Low	5180	-33.59	≤-27	PASS
		High	5240	-36.55	≤-27	PASS
11N40SISO	Ant1	Low	5190	-31.12	≤-27	PASS
		High	5230	-38.26	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-34.38	≤-27	PASS
		High	5240	-37.94	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-30.41	≤-27	PASS
		High	5230	-37.49	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-28.36	≤-27	PASS
		High	5210	-37.42	≤-27	PASS

Test Graphs B1

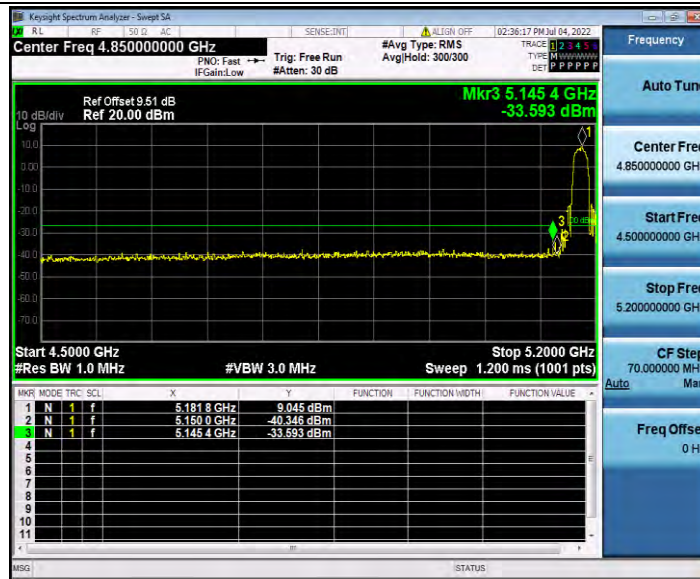
11A_Ant1_Low_5180



11A_Ant1_High_5240



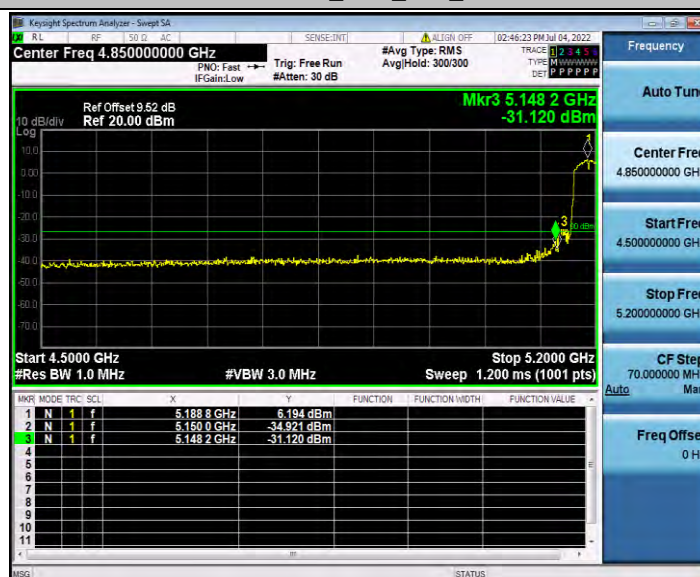
11N20SISO_Ant1_Low_5180



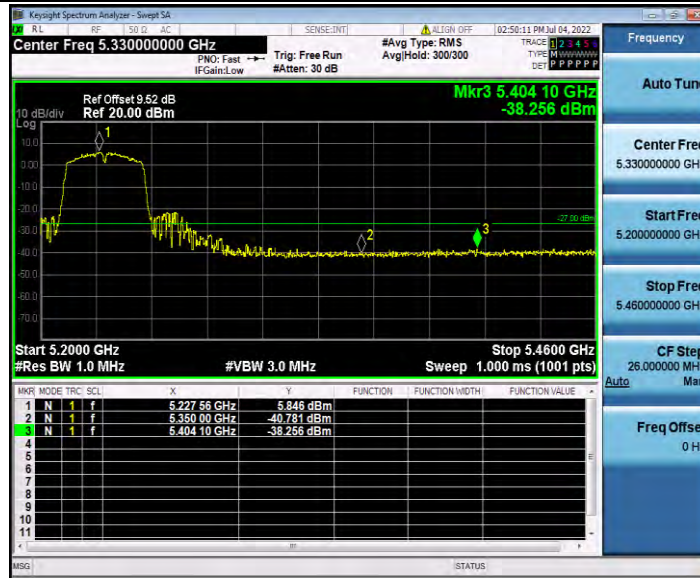
11N20SISO_Ant1_High_5240



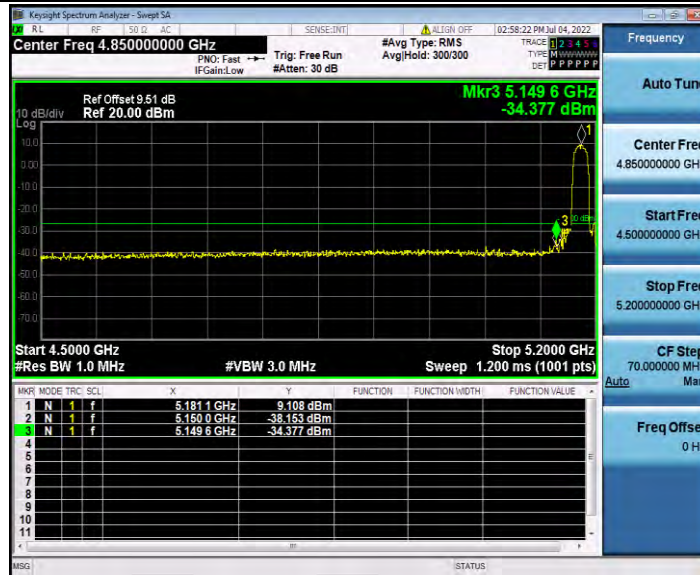
11N40SISO_Ant1_Low_5190



11N40SISO_Ant1_High_5230



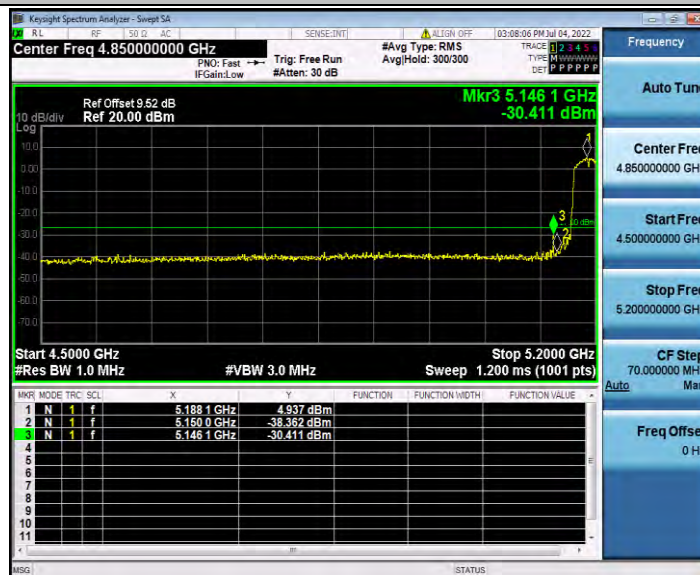
11AC20SISO_Ant1_Low_5180



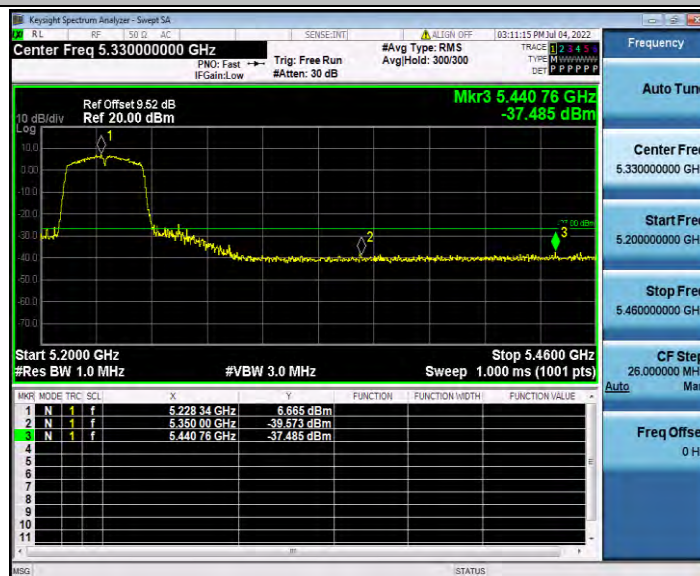
11AC20SISO_Ant1_High_5240



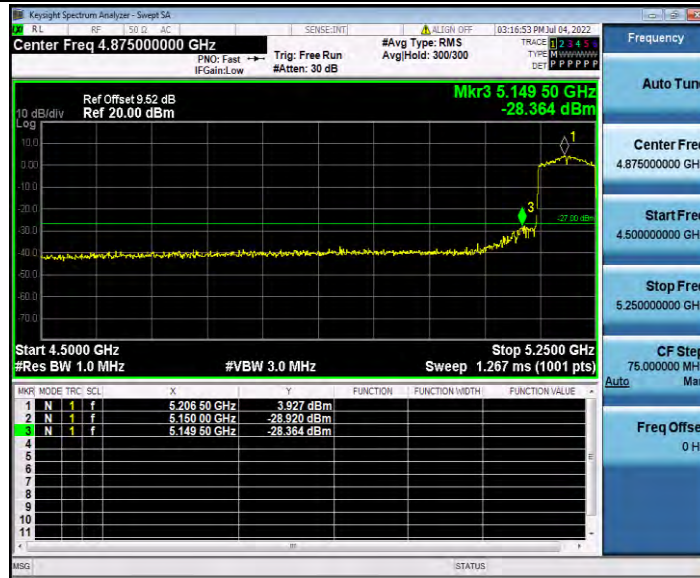
11AC40SISO_Ant1_Low_5190



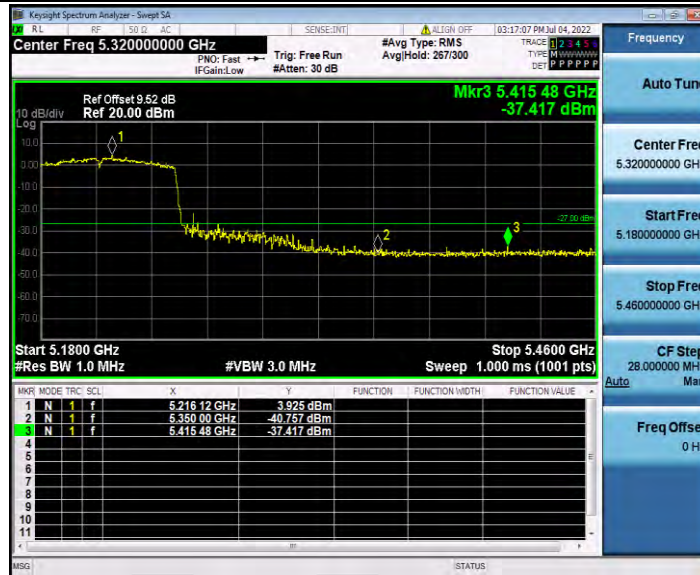
11AC40SISO_Ant1_High_5230



11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210



Appendix D.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	3406.69	-40.71	≤-27	PASS
			5360~40000	24843.93	-38.5	≤-27	PASS
		5200	30~5140	5101.68	-47.08	≤-27	PASS
			5360~40000	26124.3	-37.78	≤-27	PASS
		5240	30~5140	4933.73	-46.88	≤-27	PASS
			5360~40000	24314.48	-37.6	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5137.27	-46.14	≤-27	PASS
			5360~40000	23498.65	-37.39	≤-27	PASS
		5200	30~5140	5139.83	-44.87	≤-27	PASS
			5360~40000	26052.89	-37.95	≤-27	PASS
		5240	30~5140	3066.7	-46.93	≤-27	PASS
			5360~40000	26070.2	-37.71	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5137.27	-35.24	≤-27	PASS
			5360~40000	25586.91	-37.89	≤-27	PASS
		5230	30~5140	3048.31	-46.73	≤-27	PASS
			5360~40000	25239.95	-38.42	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	5132.68	-46.73	≤-27	PASS
			5360~40000	24857.64	-37.83	≤-27	PASS
		5200	30~5140	4905.79	-46.96	≤-27	PASS
			5360~40000	24242.34	-37.52	≤-27	PASS
		5240	30~5140	5050.23	-47.15	≤-27	PASS
			5360~40000	24225.75	-37.81	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5125.69	-42.47	≤-27	PASS
			5360~40000	24301.49	-38.31	≤-27	PASS
		5230	30~5140	5132.85	-47.01	≤-27	PASS
			5360~40000	24835.28	-36.85	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5131.65	-34.08	≤-27	PASS
			5360~40000	24236.57	-36.89	≤-27	PASS

Test Graphs

11A_Ant1_5180_30~5140



11A_Ant1_5180_5360~40000



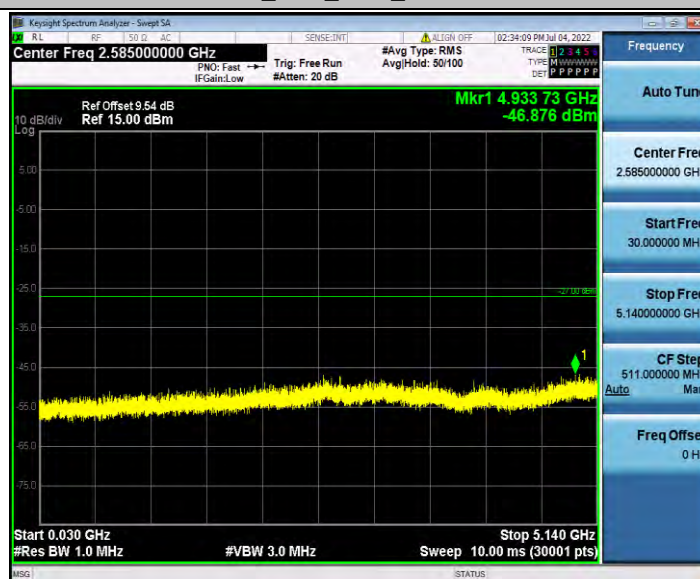
11A_Ant1_5200_30~5140



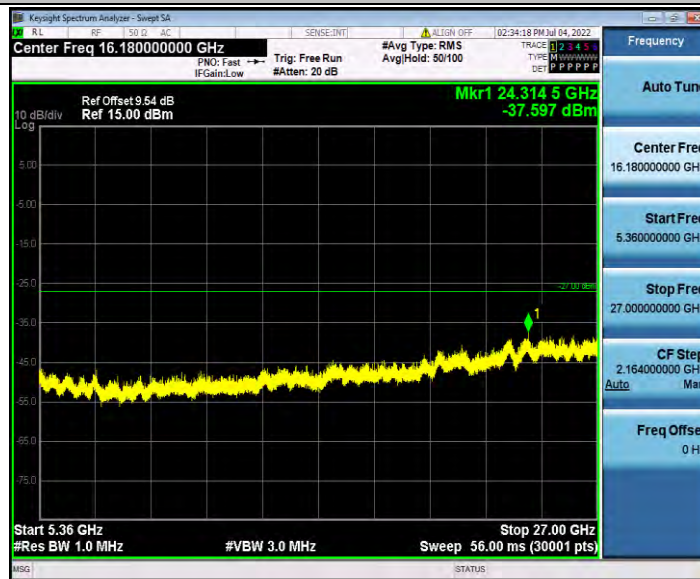
11A_Ant1_5200_5360~40000



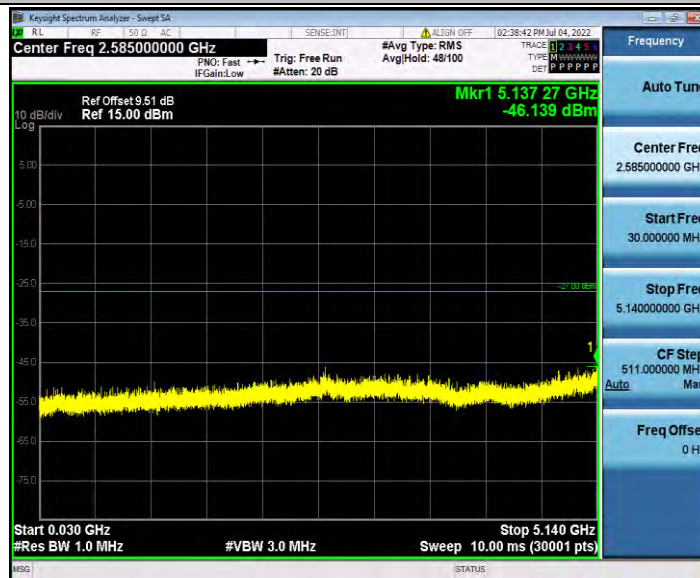
11A_Ant1_5240_30~5140



11A_Ant1_5240_5360~40000



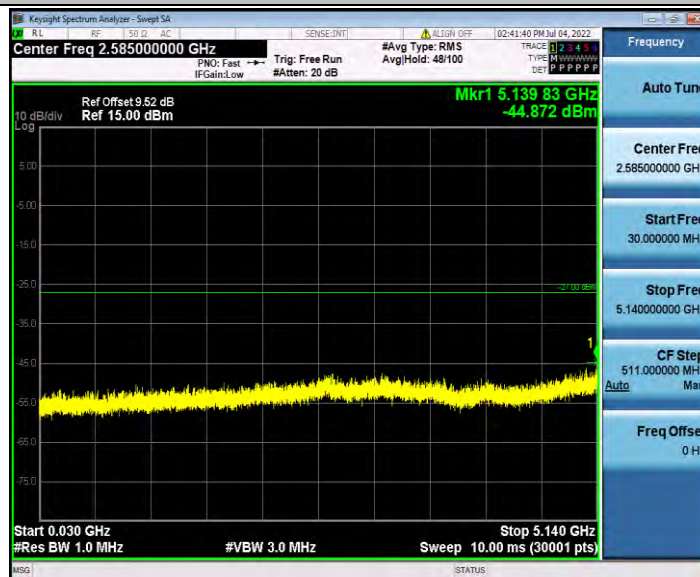
11N20SISO_Ant1_5180_30~5140



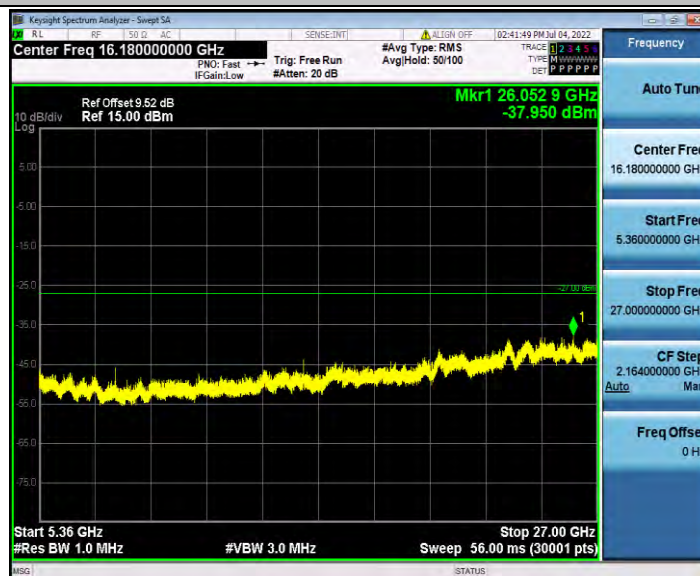
11N20SISO_Ant1_5180_5360~40000



11N20SISO_Ant1_5200_30~5140



11N20SISO_Ant1_5200_5360~40000



11N20SISO_Ant1_5240_30~5140



11N20SISO_Ant1_5240_5360~40000



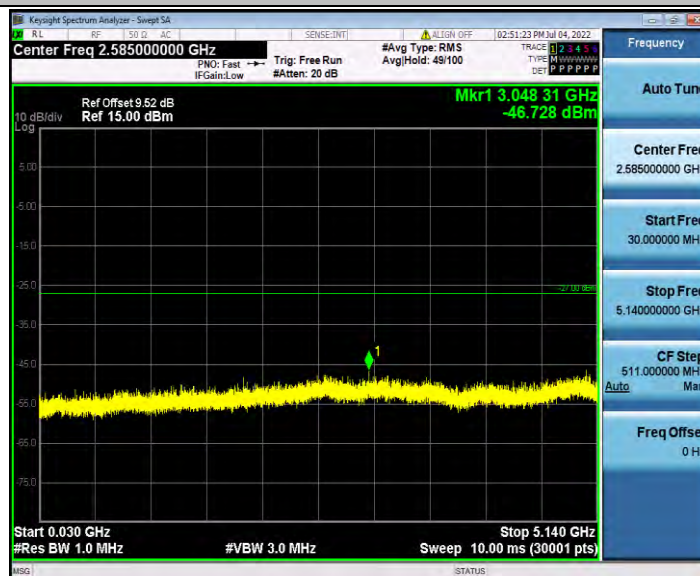
11N40SISO_Ant1_5190_30~5140



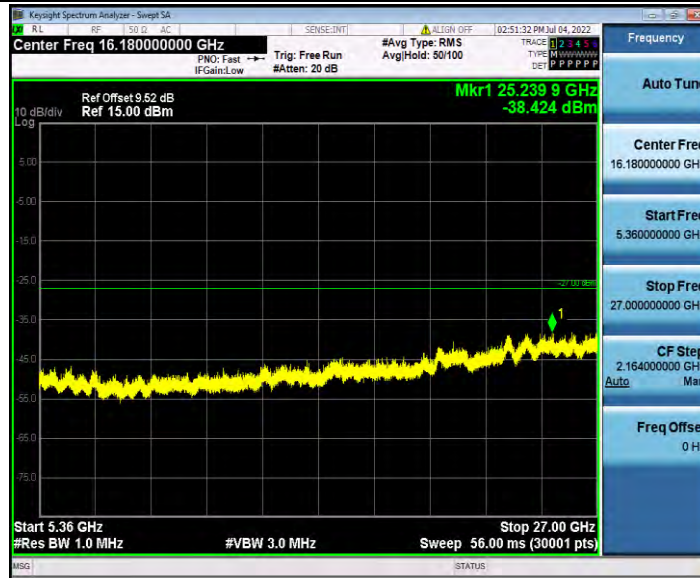
11N40SISO_Ant1_5190_5360~40000



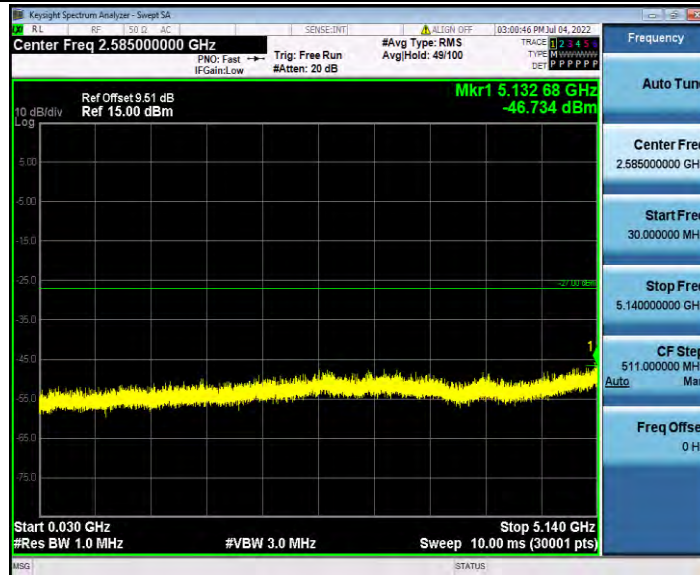
11N40SISO_Ant1_5230_30~5140



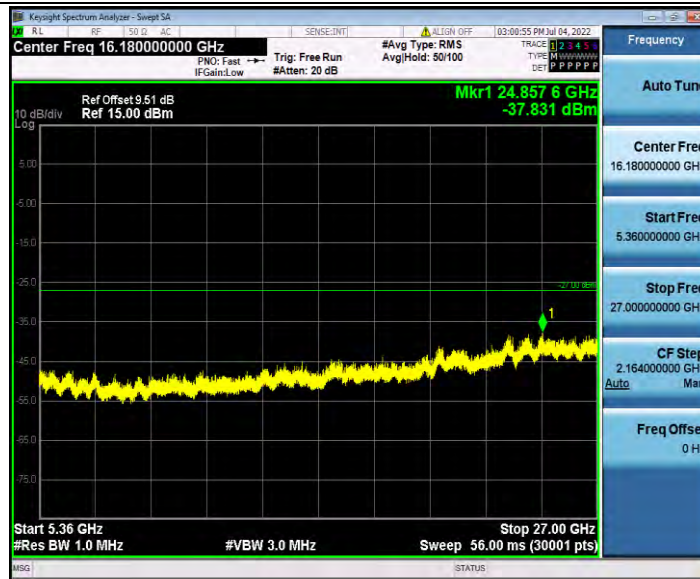
11N40SISO_Ant1_5230_5360~40000



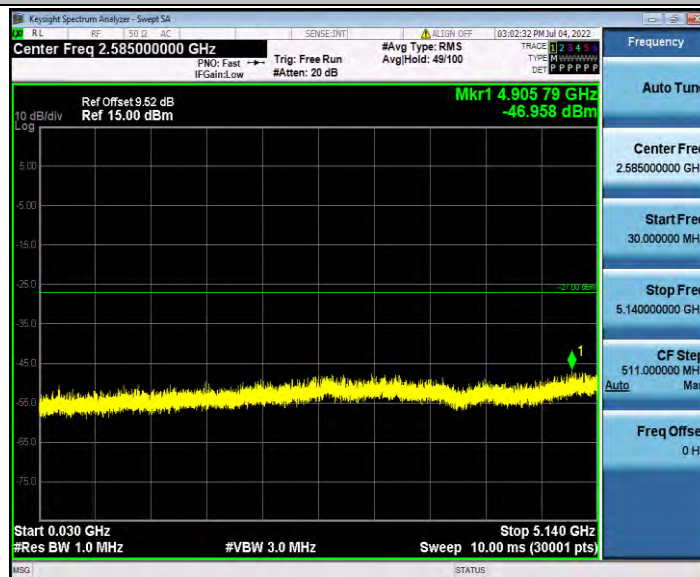
11AC20SISO_Ant1_5180_30~5140



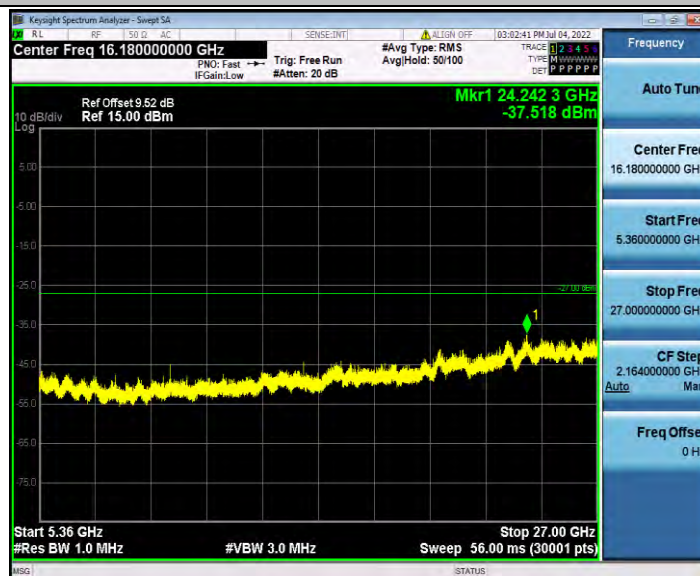
11AC20SISO_Ant1_5180_5360~40000



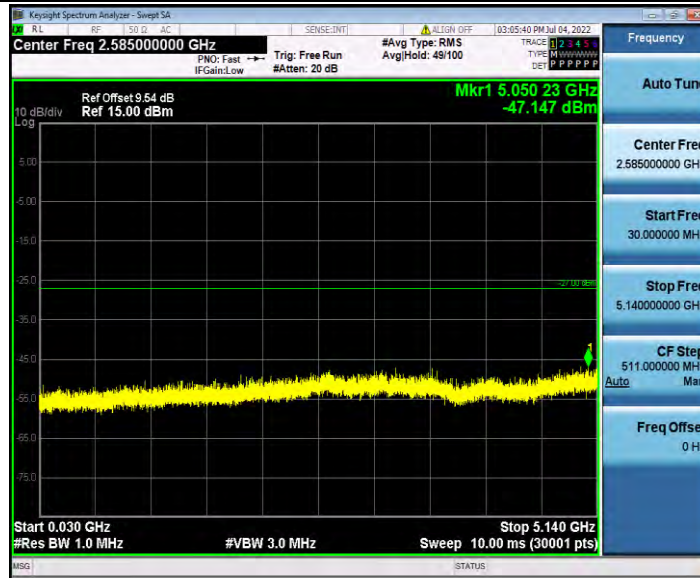
11AC20SISO_Ant1_5200_30~5140



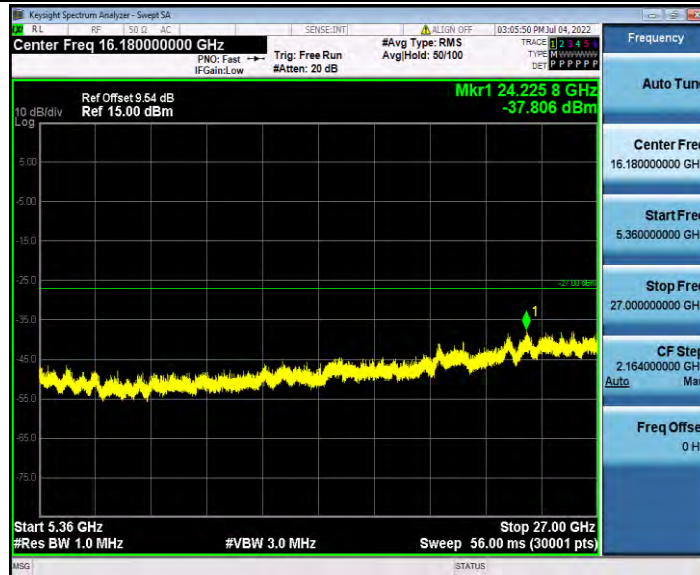
11AC20SISO_Ant1_5200_5360~40000



11AC20SISO_Ant1_5240_30~5140



11AC20SISO_Ant1_5240_5360~40000



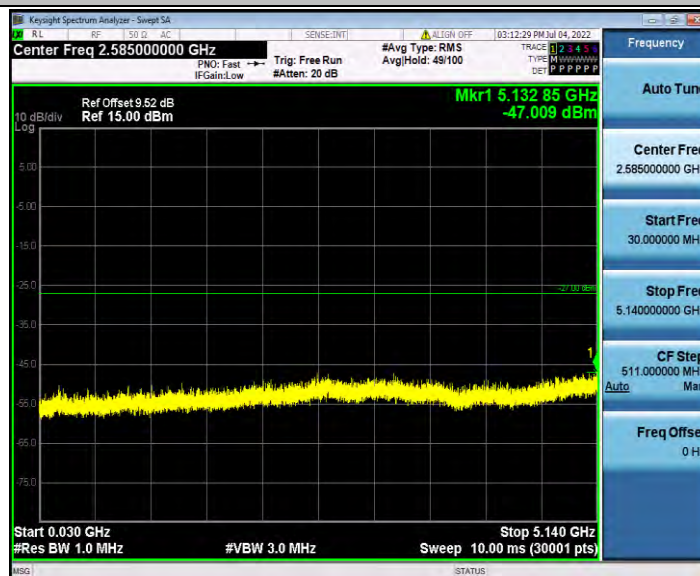
11AC40SISO_Ant1_5190_30~5140



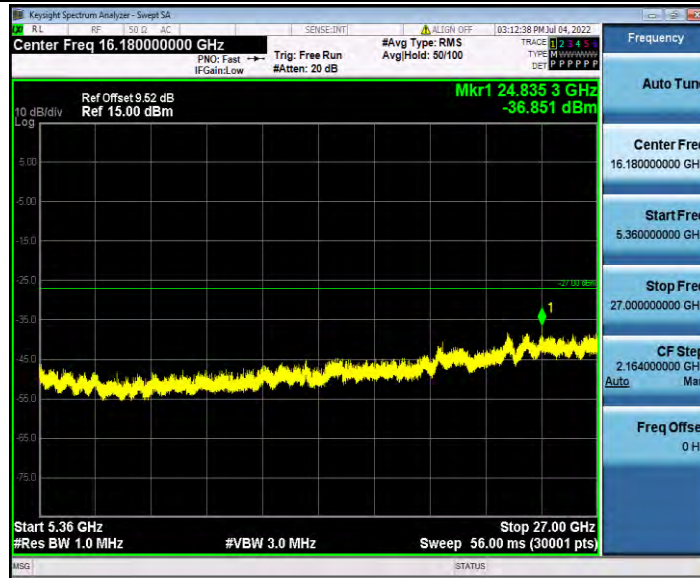
11AC40SISO_Ant1_5190_5360~40000



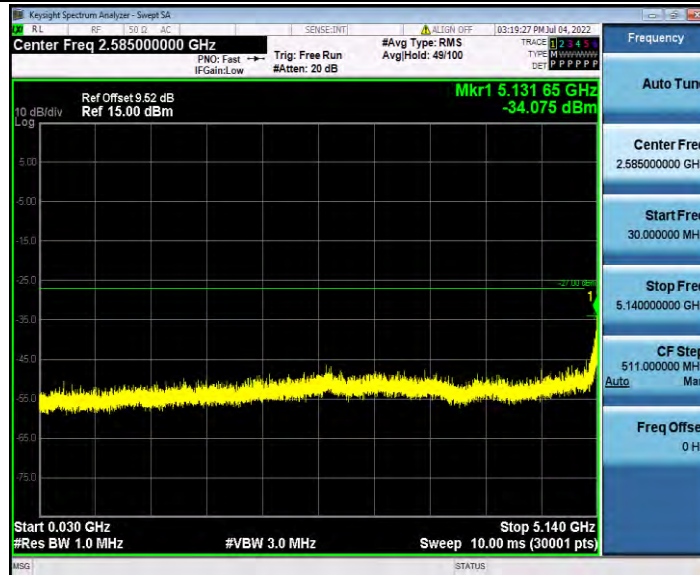
11AC40SISO_Ant1_5230_30~5140



11AC40SISO_Ant1_5230_5360~40000



11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~40000

