

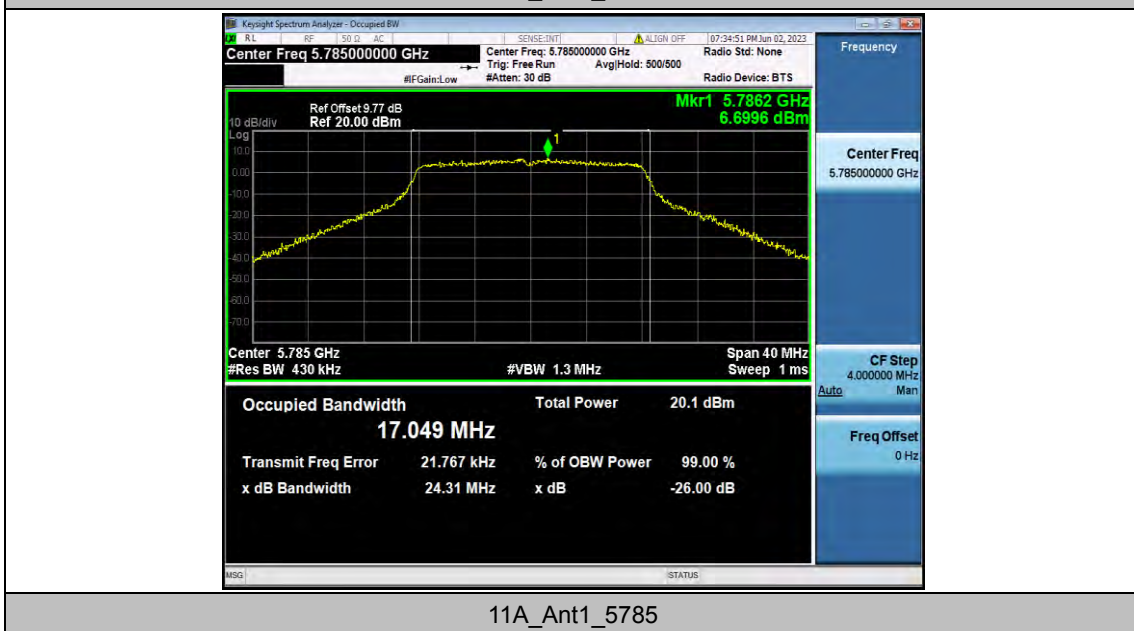
Case No. : <u>GTS20221215003-1-6</u>
Ambient Condition: <u>24</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.6.2</u> Test Engineer: <u>Jenny zeng</u>

Appendix G.1: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.028	5736.527	5753.555	---	---
		5785	17.049	5776.497	5793.546	---	---
		5825	17.068	5816.496	5833.564	---	---
11N20SISO	Ant1	5745	18.187	5735.913	5754.100	---	---
		5785	18.155	5775.942	5794.097	---	---
		5825	18.177	5815.924	5834.101	---	---
11N40SISO	Ant1	5755	36.483	5736.791	5773.274	---	---
		5795	36.474	5776.806	5813.280	---	---
11AC20SISO	Ant1	5745	18.192	5735.933	5754.125	---	---
		5785	18.192	5775.931	5794.123	---	---
		5825	18.190	5815.928	5834.118	---	---
11AC40SISO	Ant1	5755	36.533	5736.769	5773.302	---	---
		5795	36.499	5776.785	5813.284	---	---
11AC80SISO	Ant1	5775	76.009	5737.082	5813.091	---	---

Test Graphs





11A_Ant1_5825



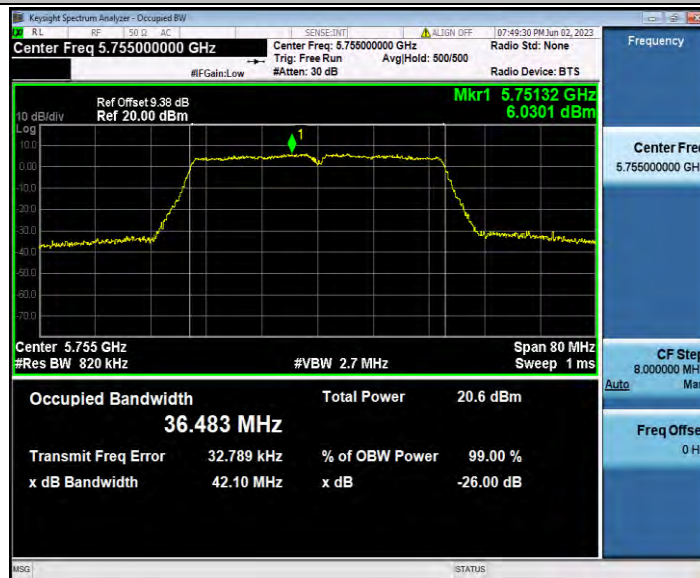
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



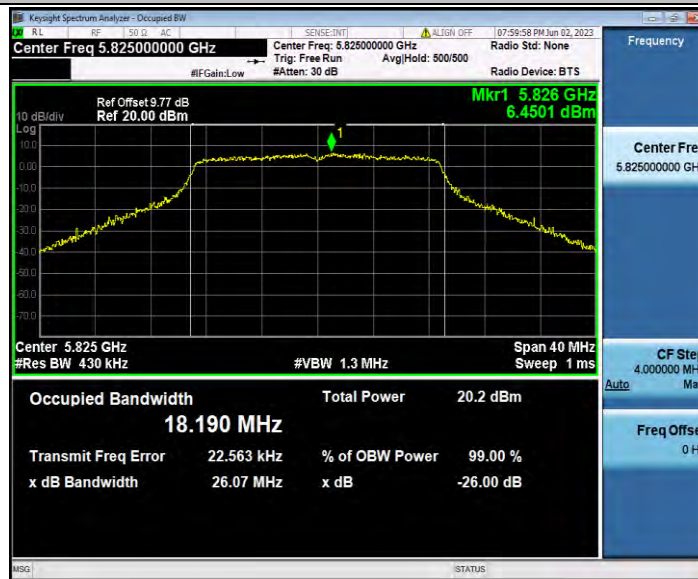
11N40SISO_Ant1_5795



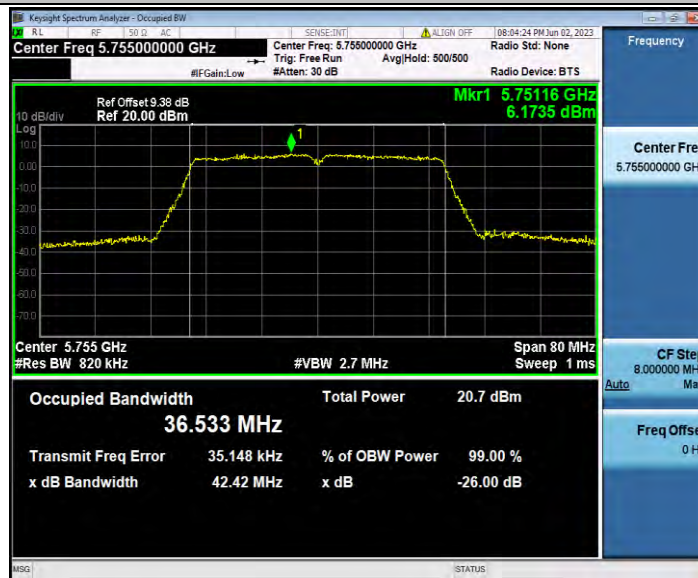
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



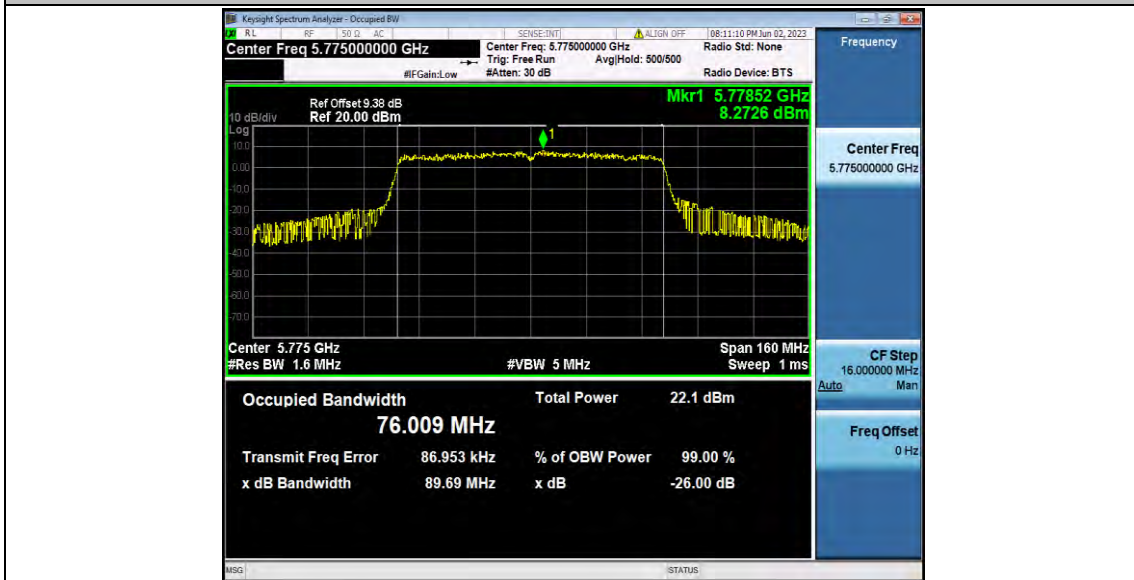
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

Appendix G.2: Min emission bandwidth

Test Result B4

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	15.760	5777.120	5792.880	0.5	PASS
		5825	15.840	5817.080	5832.920	0.5	PASS
11N20SISO	Ant1	5745	15.920	5737.440	5753.360	0.5	PASS
		5785	16.000	5776.880	5792.880	0.5	PASS
		5825	15.600	5817.080	5832.680	0.5	PASS
11N40SISO	Ant1	5755	36.080	5736.840	5772.920	0.5	PASS
		5795	35.520	5777.400	5812.920	0.5	PASS
11AC20SISO	Ant1	5745	16.320	5737.080	5753.400	0.5	PASS
		5785	16.560	5776.840	5793.400	0.5	PASS
		5825	16.760	5816.600	5833.360	0.5	PASS
11AC40SISO	Ant1	5755	36.000	5737.160	5773.160	0.5	PASS
		5795	35.680	5777.080	5812.760	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

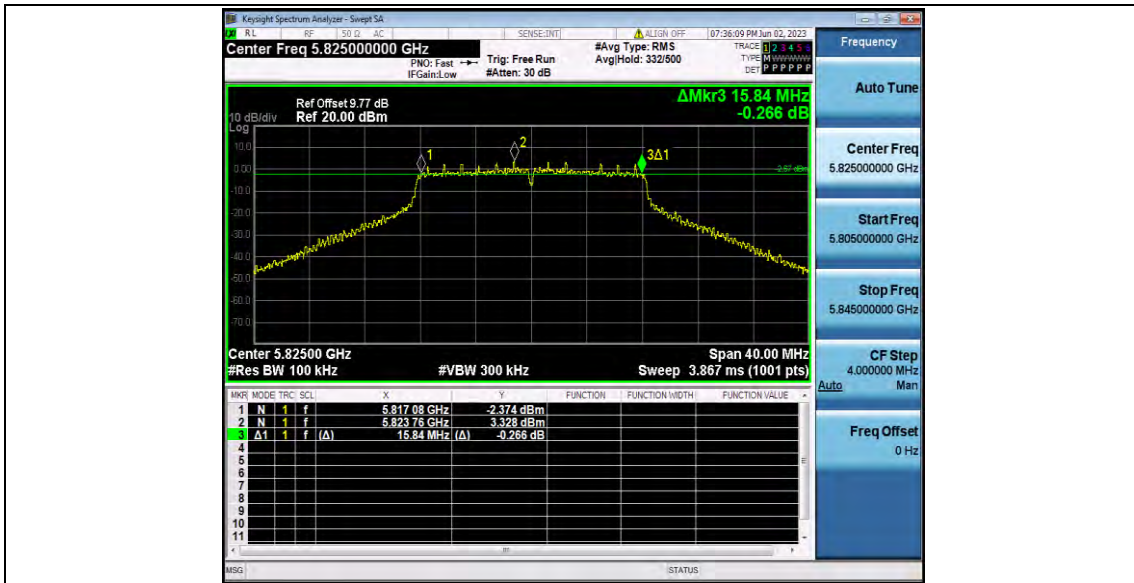
Test Graphs B4



11A_Ant1_5745



11A_Ant1_5785



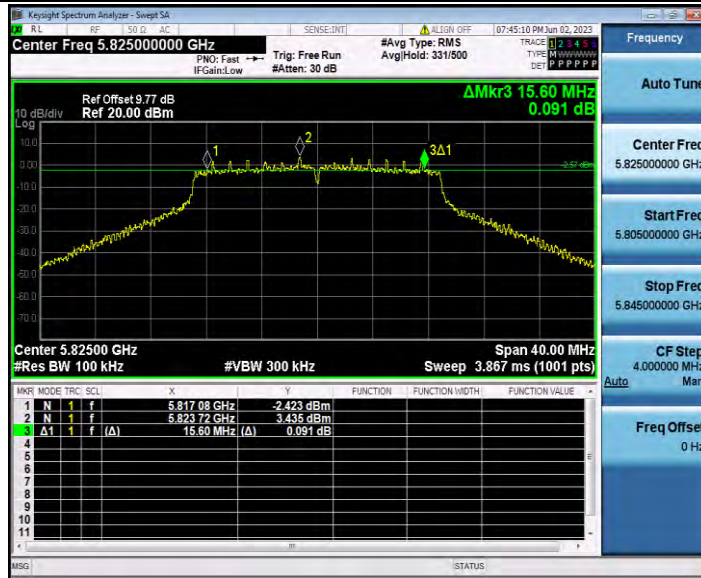
11A_Ant1_5825



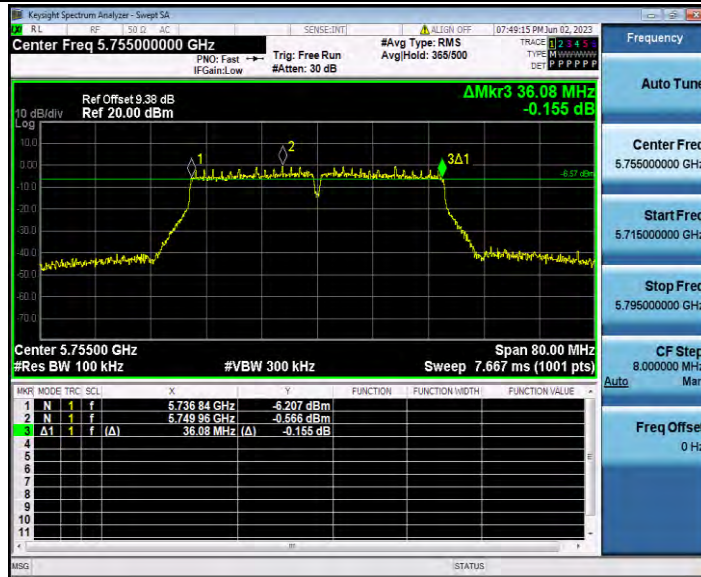
11N20SISO_Ant1_5745



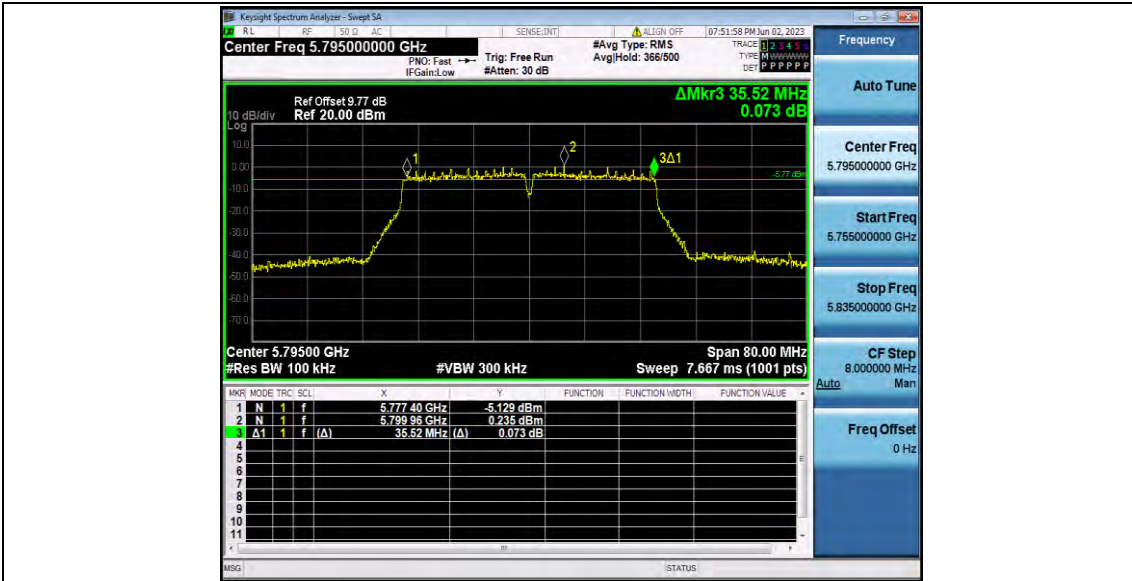
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



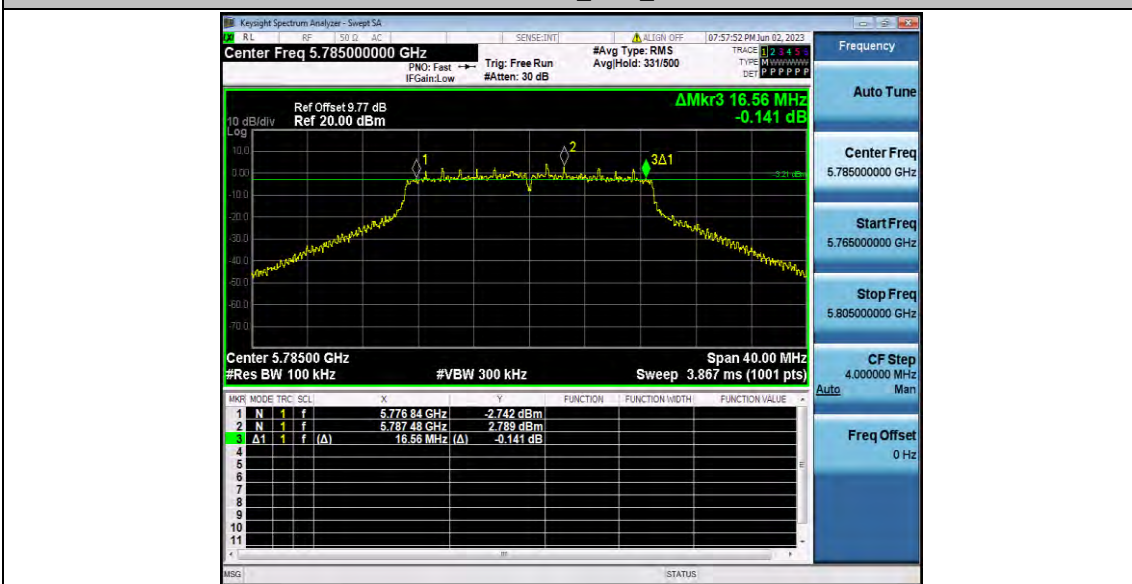
11N40SISO_Ant1_5755



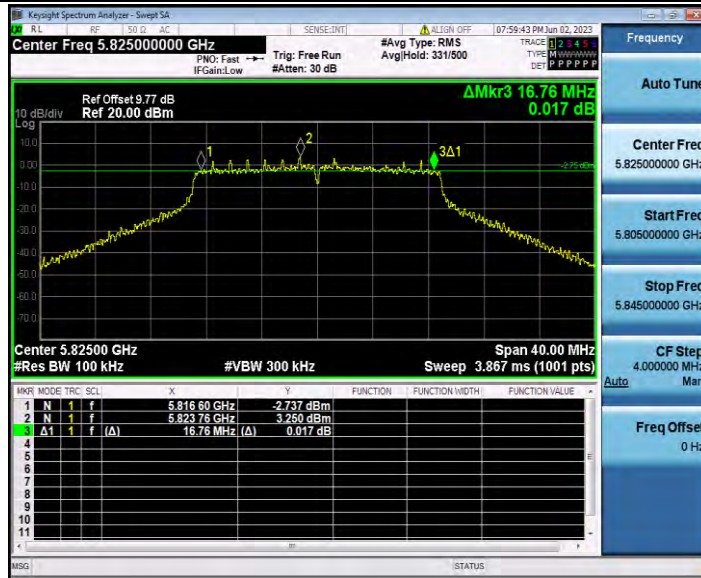
11N40SISO_Ant1_5795



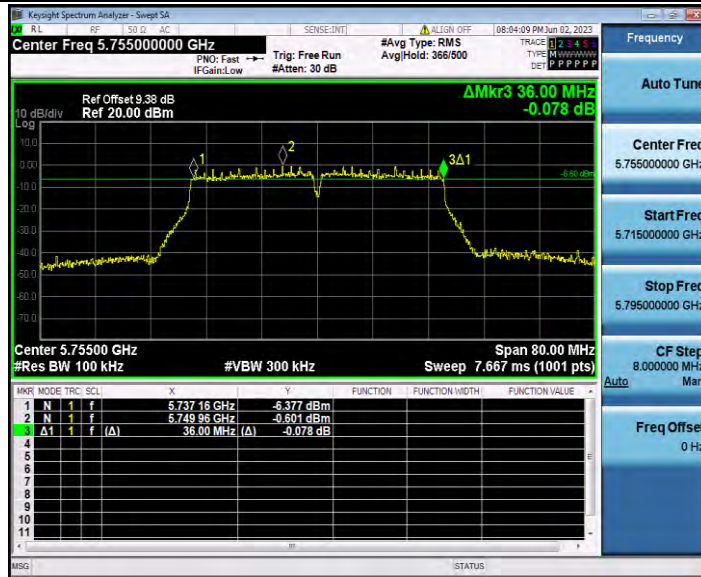
11AC20SISO_Ant1_5745



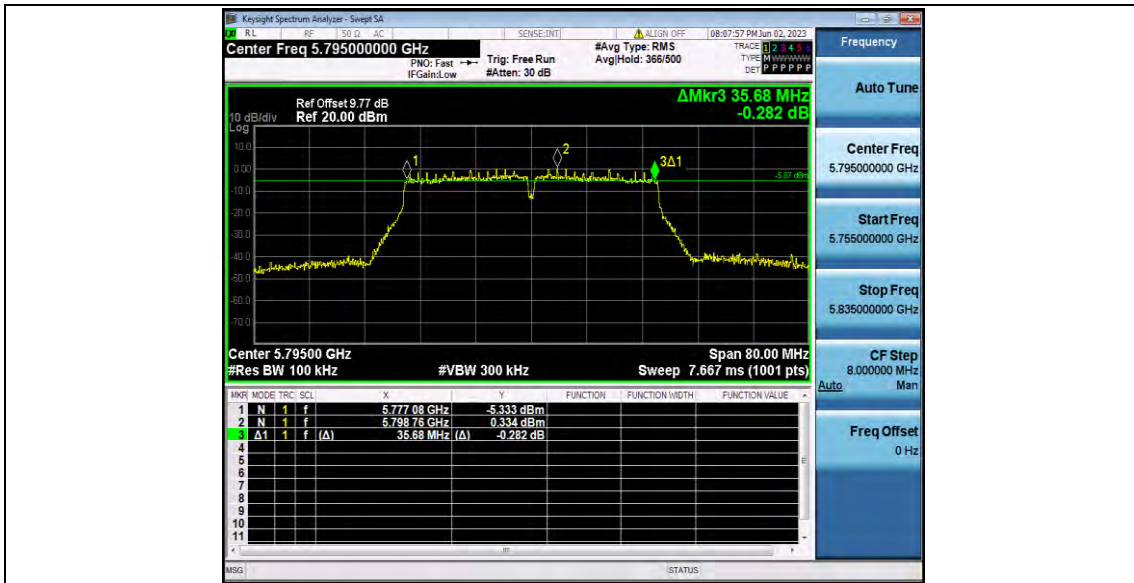
11AC20SISO_Ant1_5785



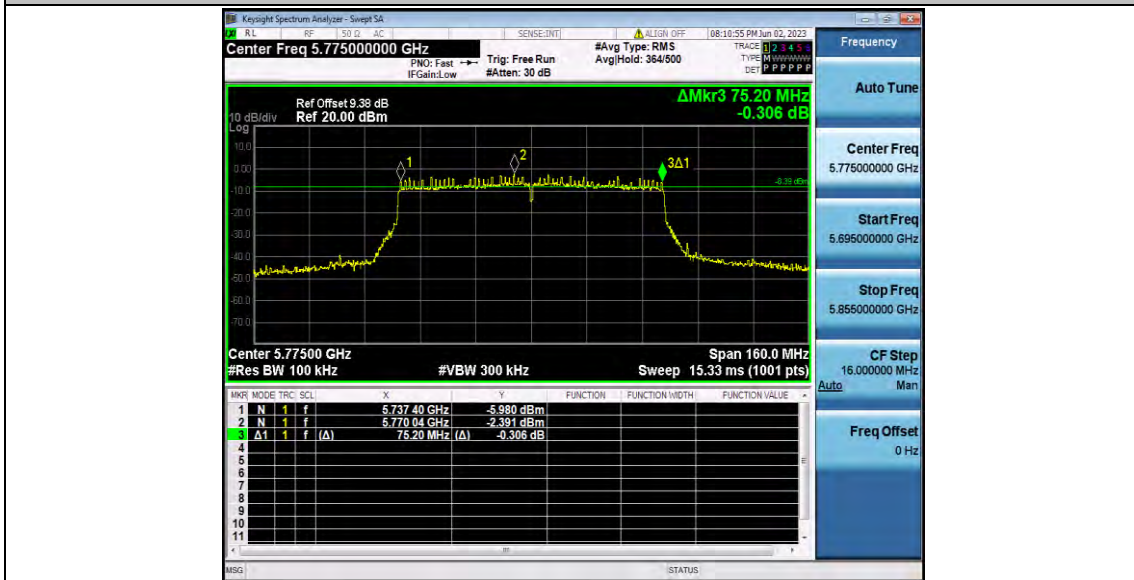
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



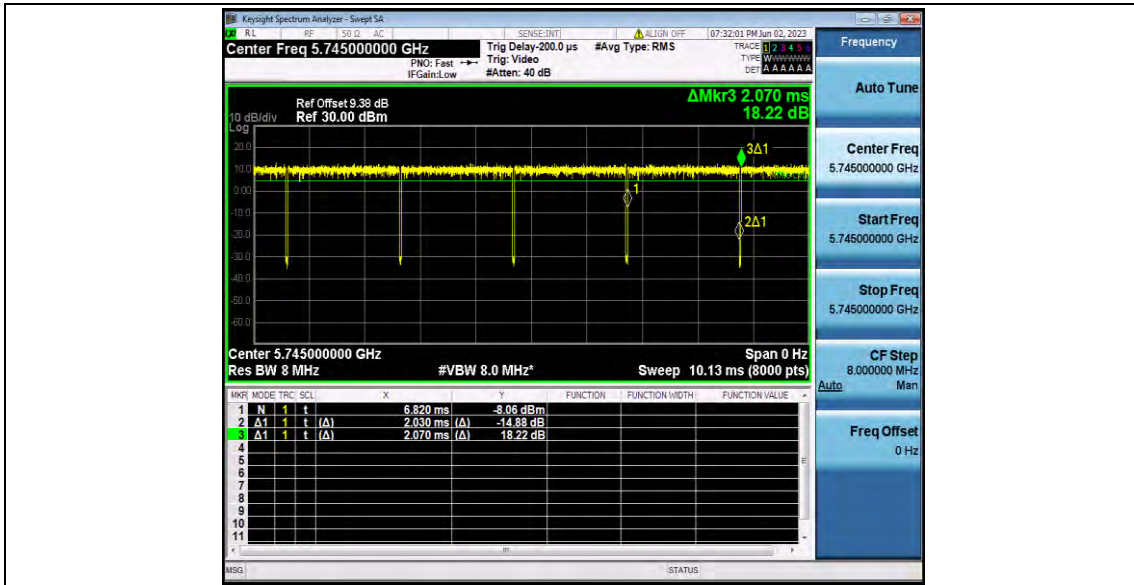
11AC80SISO_Ant1_5775

Appendix G.3: Duty Cycle

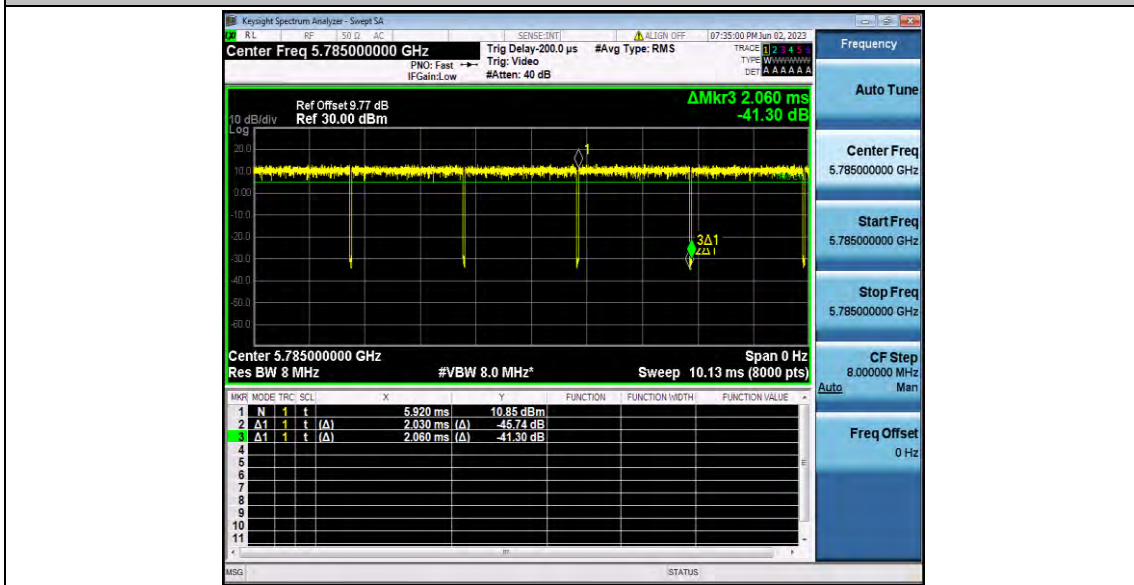
Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	2.03	2.07	98.07
		5785	2.03	2.06	98.54
		5825	2.02	2.06	98.06
11N20SISO	Ant1	5745	1.89	1.92	98.44
		5785	1.89	1.92	98.44
		5825	1.89	1.93	97.93
11N40SISO	Ant1	5755	0.92	0.96	95.83
		5795	0.93	0.96	96.88
11AC20SISO	Ant1	5745	1.90	1.94	97.94
		5785	1.90	1.93	98.45
		5825	1.90	1.93	98.45
11AC40SISO	Ant1	5755	0.94	0.97	96.91
		5795	0.93	0.97	95.88
11AC80SISO	Ant1	5775	0.46	0.50	92.00

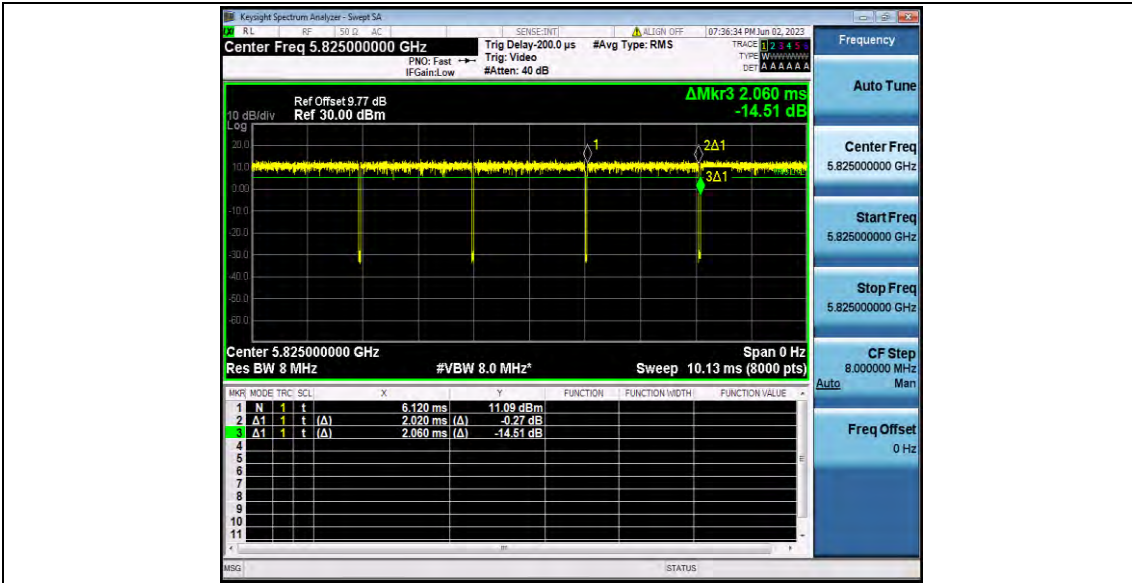
Test Graphs



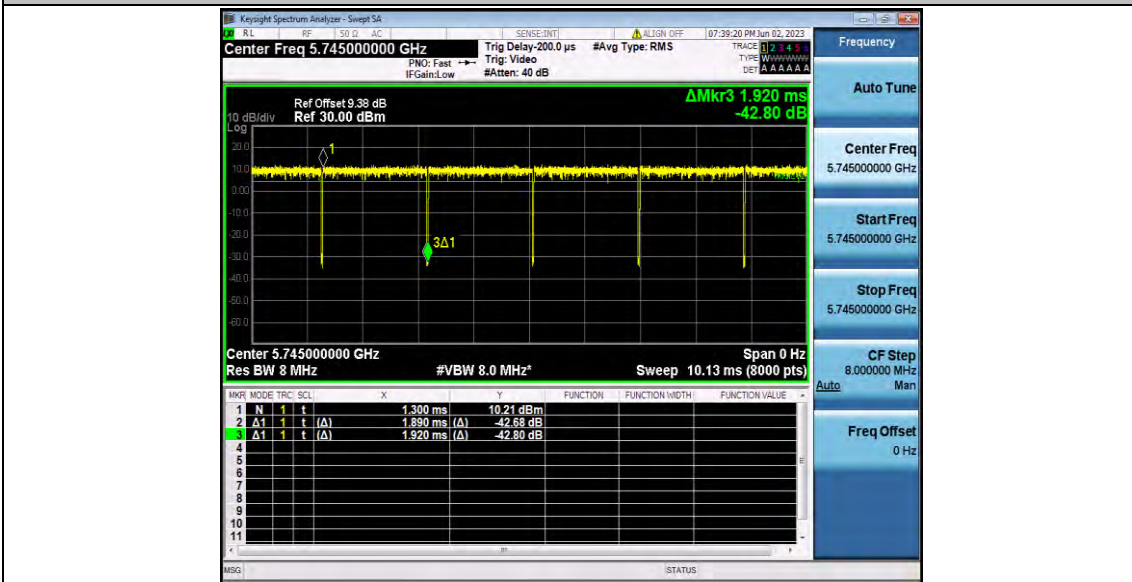
11A_Ant1_5745



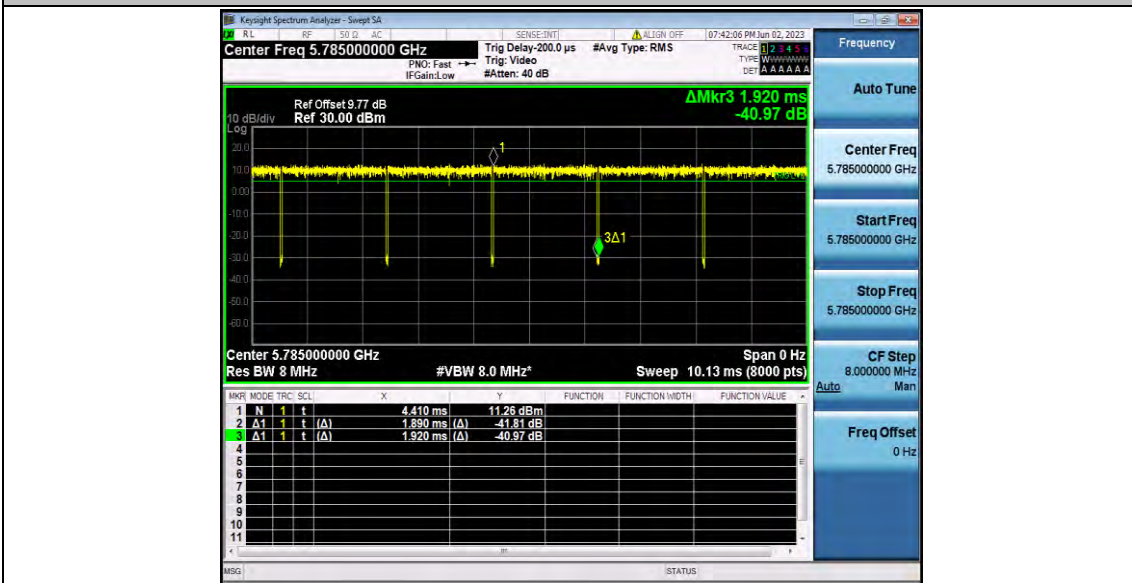
11A_Ant1_5785



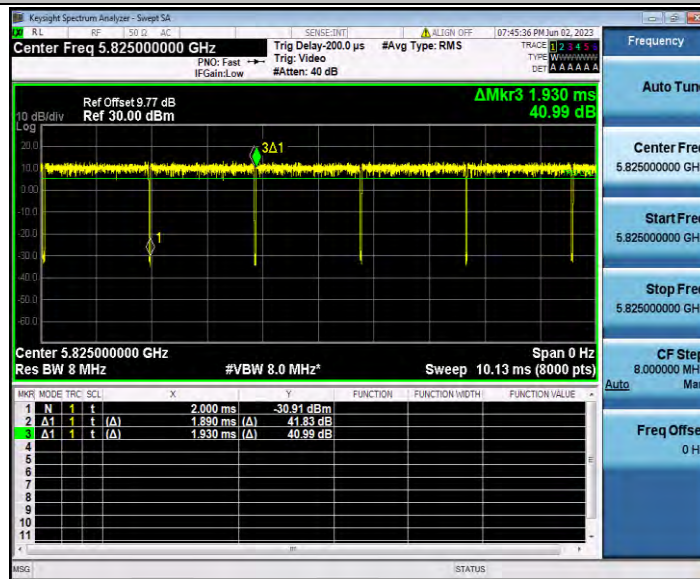
11A_Ant1_5825



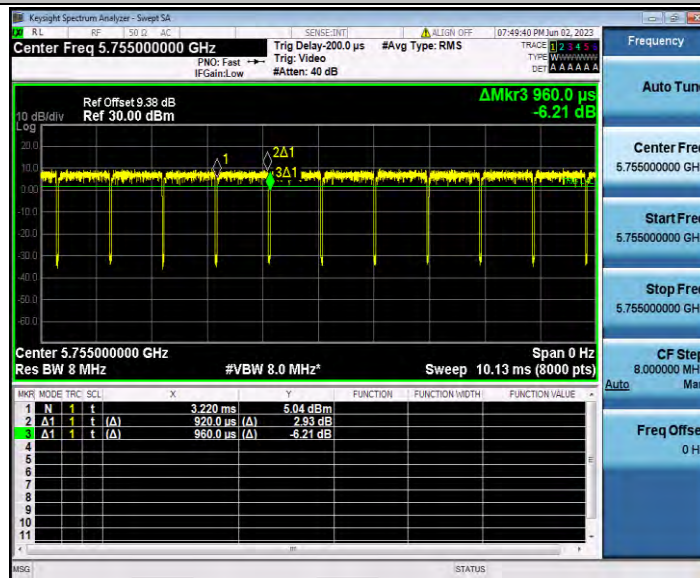
11N20SISO_Ant1_5745



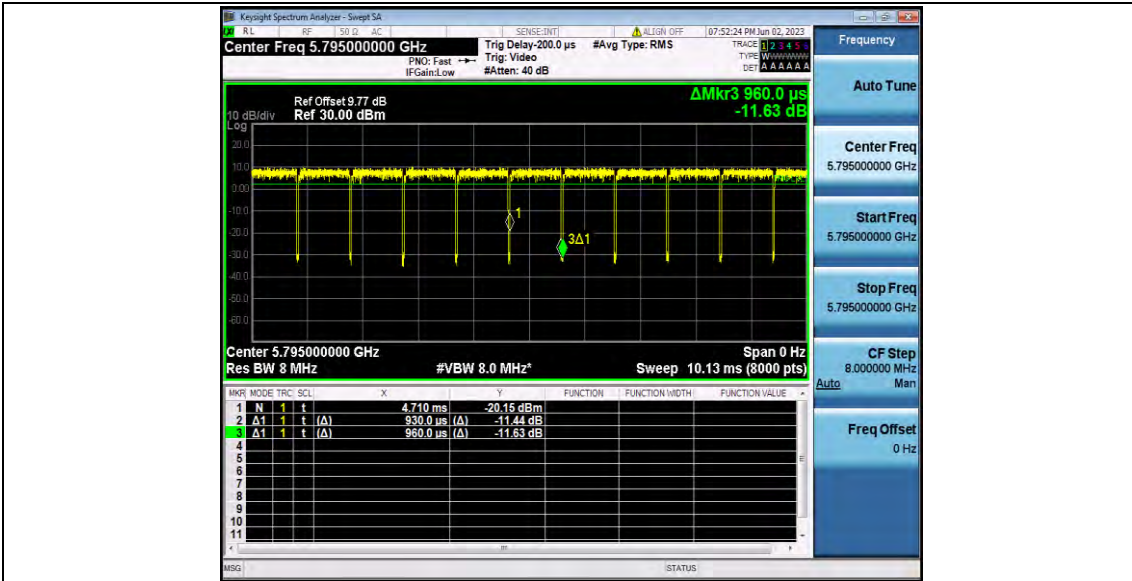
11N20SISO_Ant1_5785



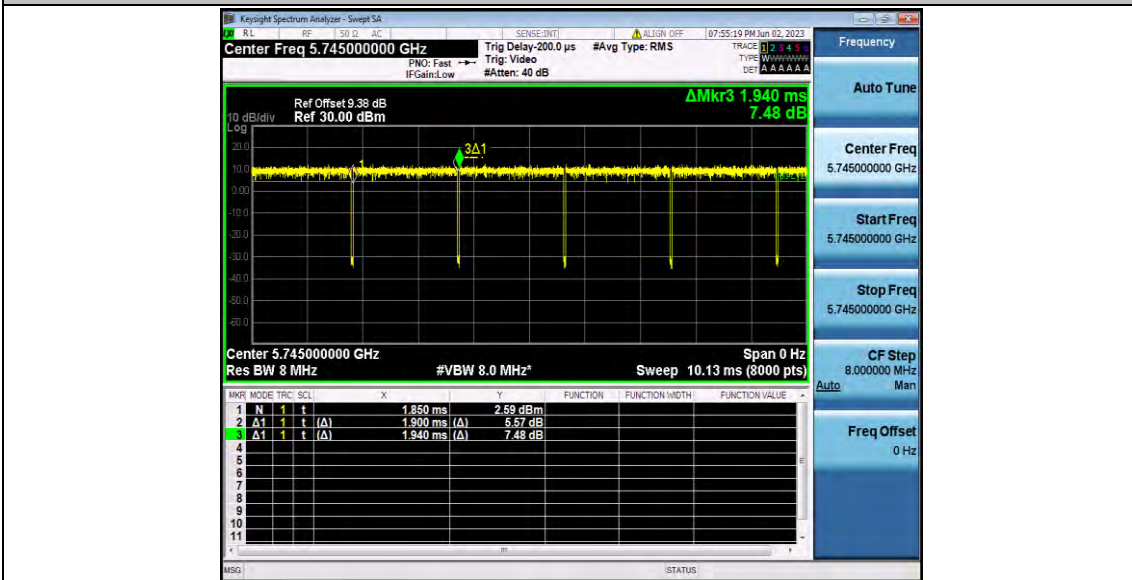
11N20SISO_Ant1_5825



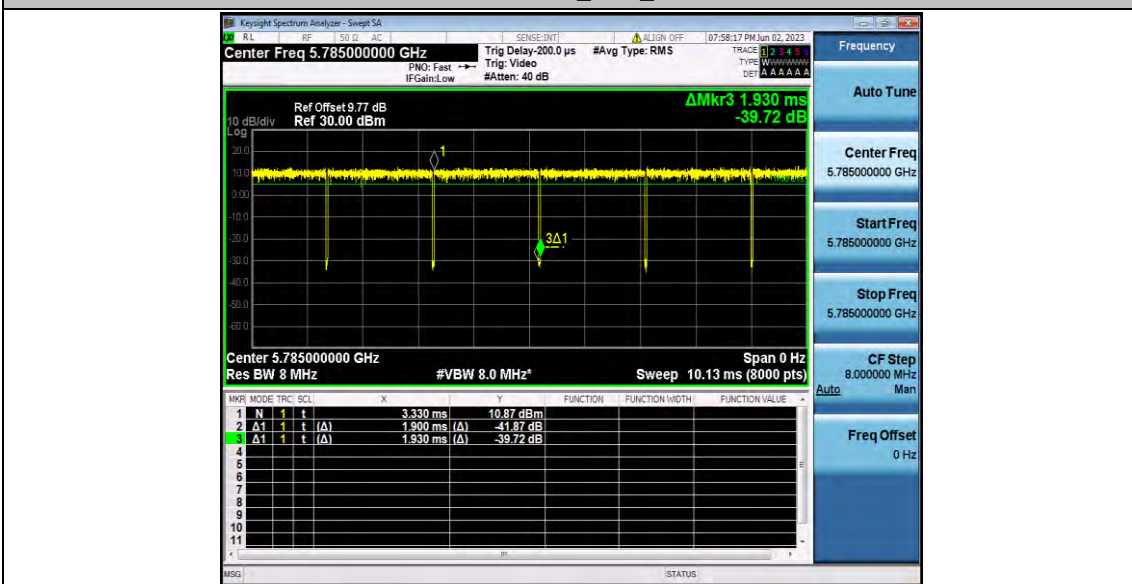
11N40SISO_Ant1_5755



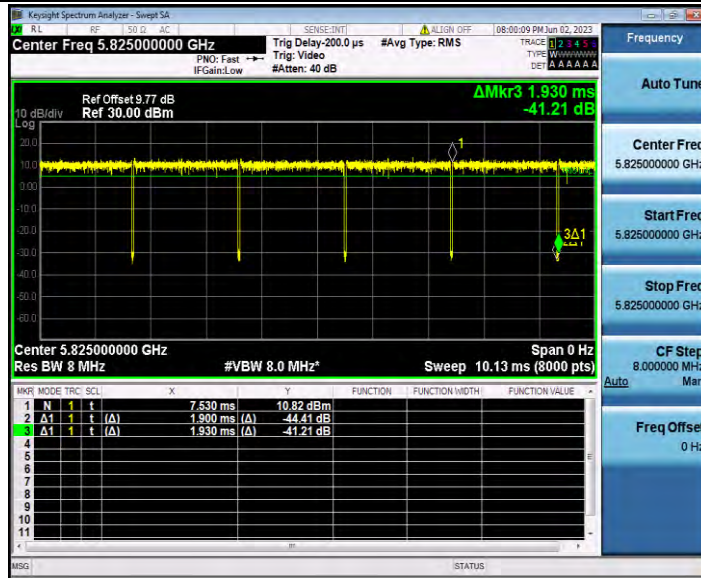
11N40SISO_Ant1_5795



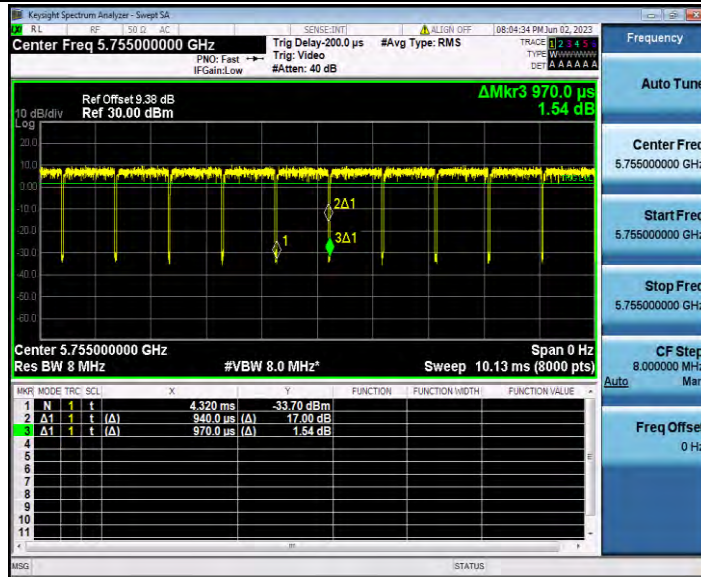
11AC20SISO_Ant1_5745



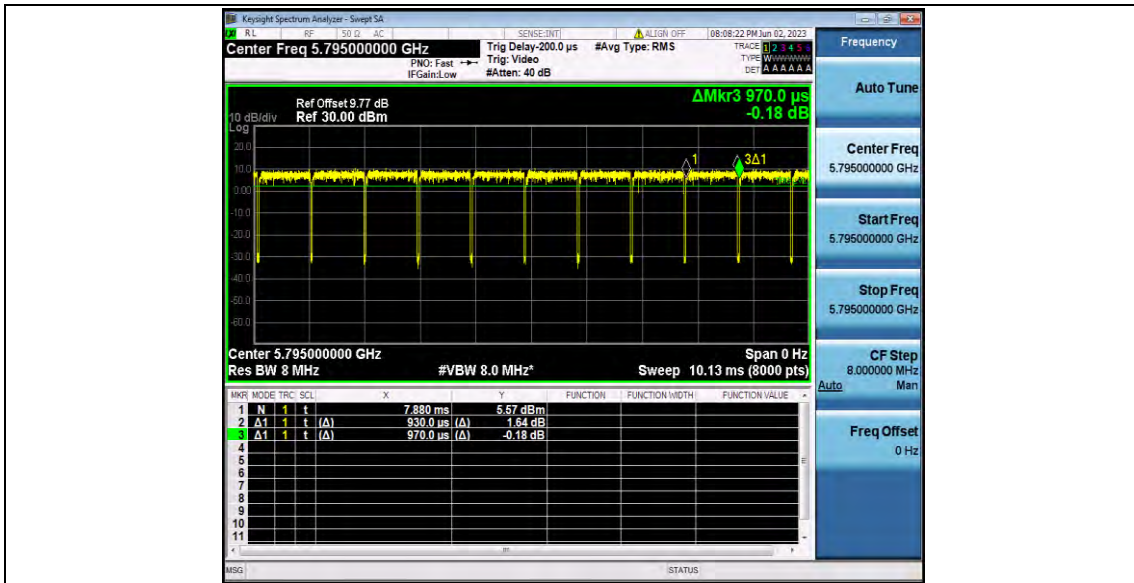
11AC20SISO_Ant1_5785



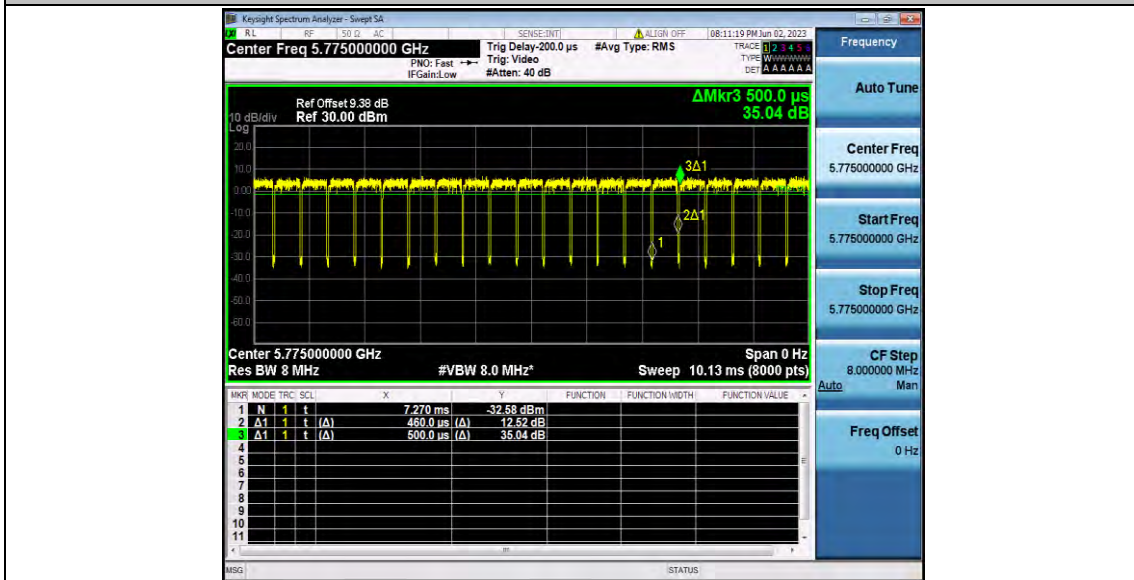
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

Appendix G.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	12.48	98.07	0.08	12.56	≤30.00	PASS
		5785	13.14	98.54	0.06	13.20	≤30.00	PASS
		5825	13.37	98.06	0.09	13.46	≤30.00	PASS
11N20SISO	Ant1	5745	12.37	98.44	0.07	12.44	≤30.00	PASS
		5785	13.01	98.44	0.07	13.08	≤30.00	PASS
		5825	13.18	97.93	0.09	13.27	≤30.00	PASS
11N40SISO	Ant1	5755	12.85	95.83	0.18	13.03	≤30.00	PASS
		5795	13.42	96.88	0.14	13.56	≤30.00	PASS
11AC20SISO	Ant1	5745	12.37	97.94	0.09	12.46	≤30.00	PASS
		5785	12.97	98.45	0.07	13.04	≤30.00	PASS
		5825	13.18	98.45	0.07	13.25	≤30.00	PASS
11AC40SISO	Ant1	5755	12.83	96.91	0.14	12.97	≤30.00	PASS
		5795	13.48	95.88	0.18	13.66	≤30.00	PASS
11AC80SISO	Ant1	5775	12.22	92.00	0.36	12.58	≤30.00	PASS

Note: The Duty Cycle Factor is compensated in the graph.

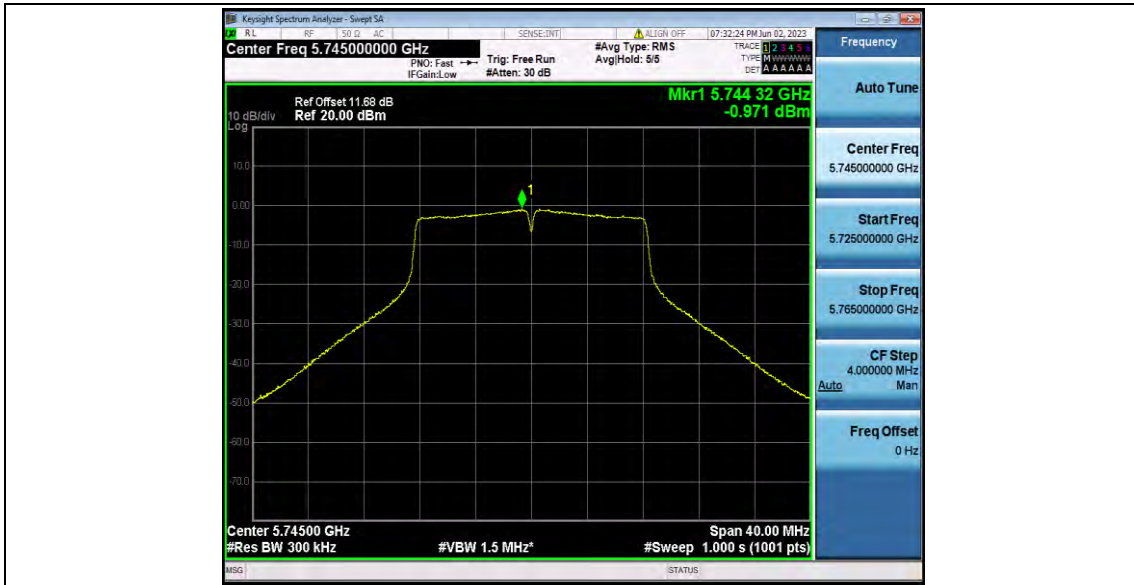
Appendix G.5: Maximum power spectral density

Test Result

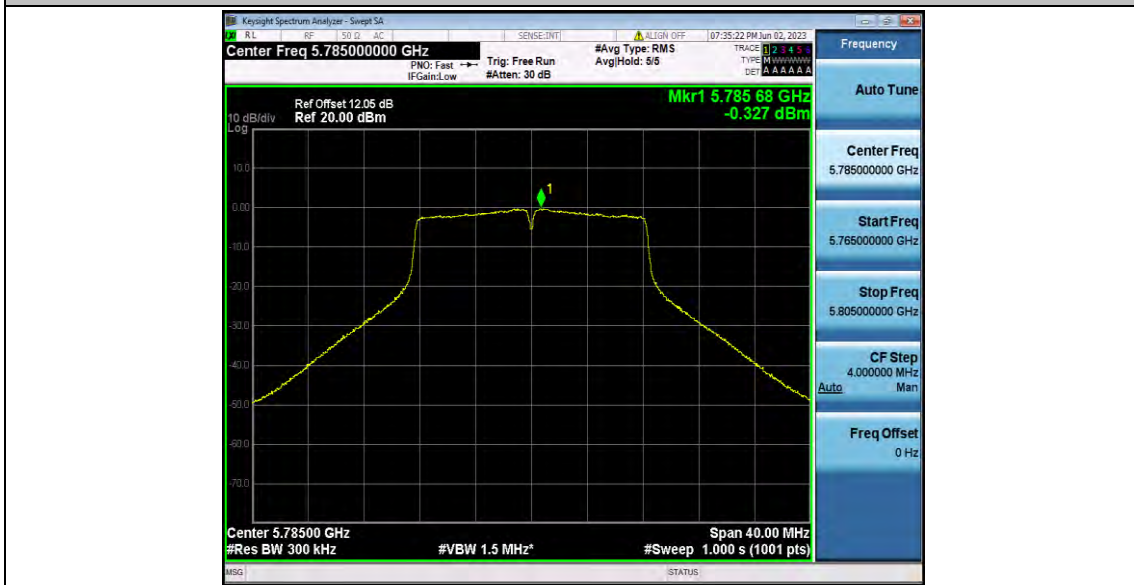
Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-0.97	≤30.00	PASS
		5785	-0.33	≤30.00	PASS
		5825	-0.12	≤30.00	PASS
11N20SISO	Ant1	5745	-1.44	≤30.00	PASS
		5785	-0.77	≤30.00	PASS
		5825	-0.58	≤30.00	PASS
11N40SISO	Ant1	5755	-3.77	≤30.00	PASS
		5795	-2.99	≤30.00	PASS
11AC20SISO	Ant1	5745	-1.52	≤30.00	PASS
		5785	-0.62	≤30.00	PASS
		5825	-0.53	≤30.00	PASS
11AC40SISO	Ant1	5755	-3.75	≤30.00	PASS
		5795	-3	≤30.00	PASS
11AC80SISO	Ant1	5775	-6.79	≤30.00	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_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



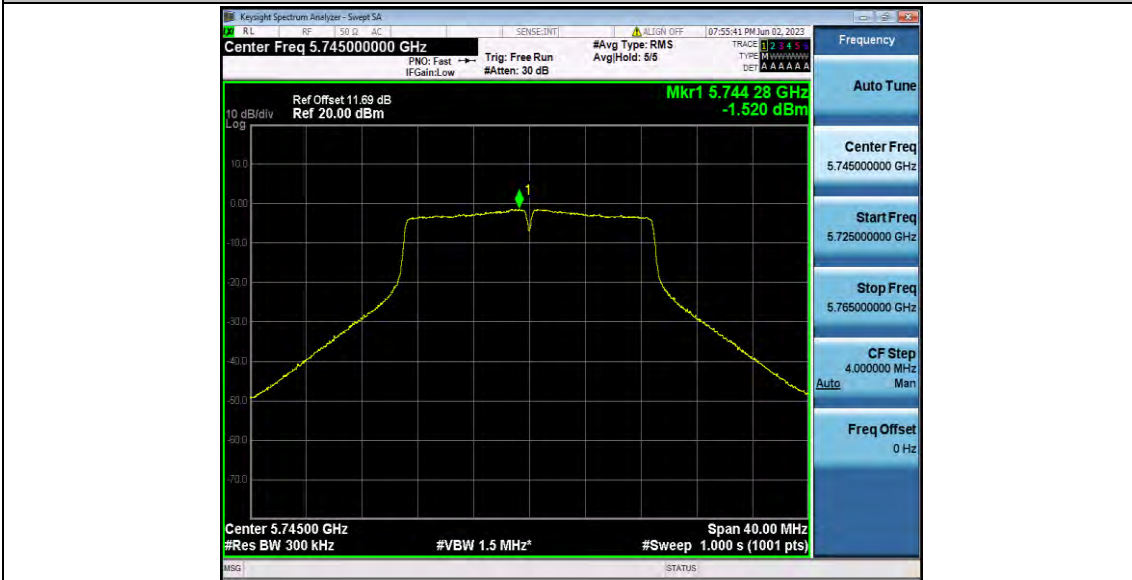
11N20SISO_Ant1_5825



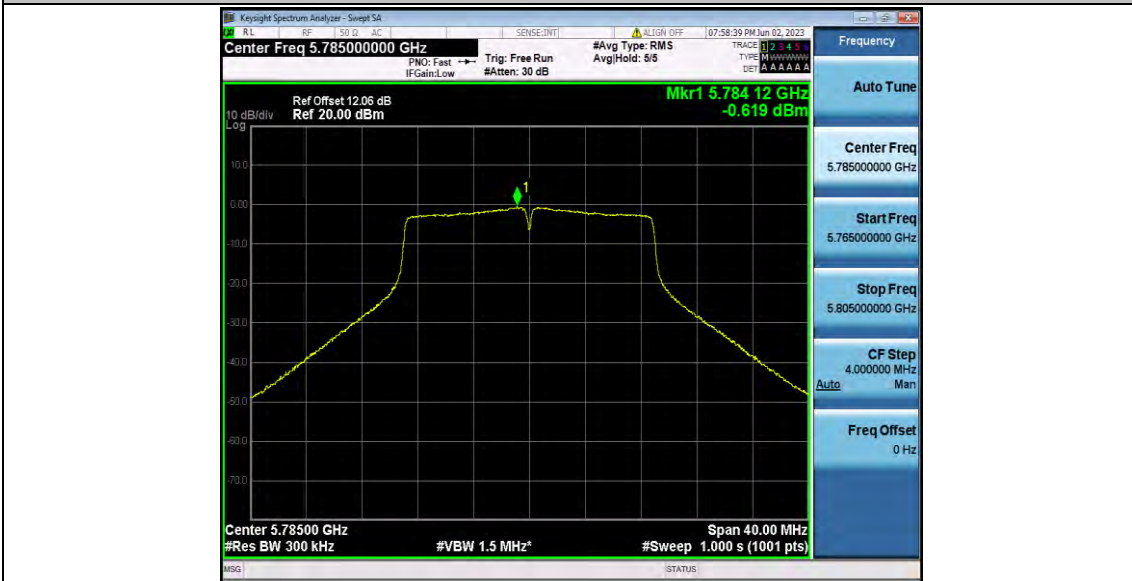
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

Appendix G.6: Band edge measurements

Test Result B4

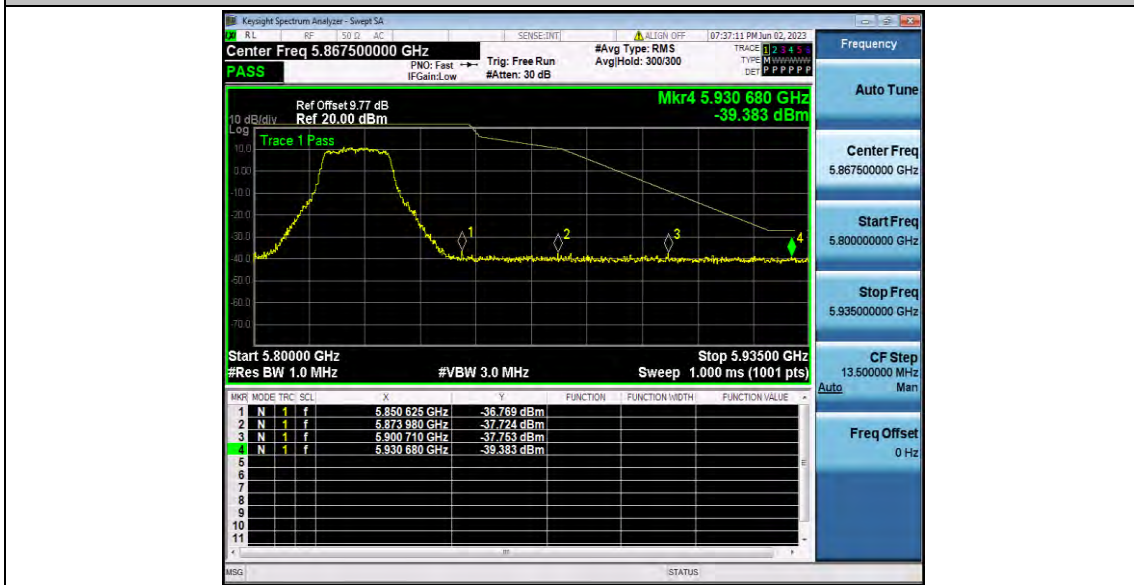
TestMode	Antenna	ChName	Frequency[M Hz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-38.91	≤-8.91	PASS
				5700~5720	-37.18	≤10.25	PASS
				5720~5725	-35.38	≤26.04	PASS
				5760~5650	-39.56	≤-27	PASS
		High	5825	5850~5855	-36.77	≤17.03	PASS
				5855~5875	-37.72	≤15.31	PASS
				5875~5925	-37.75	≤-7.97	PASS
				5925~5935	-39.38	≤-27	PASS
11N20SIS O	Ant1	Low	5745	5650~5700	-38.11	≤8.28	PASS
				5700~5720	-37.09	≤15.43	PASS
				5720~5725	-35.93	≤25.78	PASS
				5760~5650	-39.38	≤-27	PASS
		High	5825	5850~5855	-38.3	≤20.41	PASS
				5855~5875	-37.78	≤12.44	PASS
				5875~5925	-38.29	≤-26.36	PASS
				5925~5935	-39.1	≤-27	PASS
11N40SIS O	Ant1	Low	5755	5650~5700	-31.89	≤1.07	PASS
				5700~5720	-33.93	≤15.09	PASS
				5720~5725	-33.58	≤21.58	PASS
				5780~5650	-40.17	≤-27	PASS
		High	5795	5850~5855	-38.71	≤25.44	PASS
				5855~5875	-37.47	≤14.38	PASS
				5875~5925	-38.68	≤-26.43	PASS
				5925~5935	-39.17	≤-27	PASS
11AC20SI SO	Ant1	Low	5745	5650~5700	-38.73	≤-19.38	PASS
				5700~5720	-38.57	≤13.50	PASS
				5720~5725	-36	≤25.52	PASS
				5760~5650	-39.94	≤-27	PASS
		High	5825	5850~5855	-38.35	≤15.79	PASS
				5855~5875	-37.89	≤13.35	PASS
				5875~5925	-38.2	≤-20.06	PASS
				5925~5935	-39.1	≤-27	PASS
11AC40SI SO	Ant1	Low	5755	5650~5700	-38.48	≤9.96	PASS
				5700~5720	-33.78	≤15.43	PASS
				5720~5725	-32.2	≤26.82	PASS
				5780~5650	-39.1	≤-27	PASS

		High	5795	5850~5855	-37.93	≤ 17.91	PASS
				5855~5875	-38.26	≤ 11.56	PASS
				5875~5925	-38.35	≤ 11.05	PASS
				5925~5935	-38.91	≤ 27	PASS
11AC80SI SO	Ant1	Low	5775	5650~5700	-30.83	≤ 7.95	PASS
				5700~5720	-24.74	≤ 15.56	PASS
				5720~5725	-24.29	≤ 23.77	PASS
				5800~5650	-39.01	≤ 27	PASS
		High	5775	5850~5855	-29.65	≤ 16.22	PASS
				5855~5875	-31.16	≤ 10.70	PASS
				5875~5925	-37.82	≤ 26.68	PASS
				5925~5935	-39.81	≤ 27	PASS

Test Graphs B4



11A_Ant1_Low_5745



11A_Ant1_High_5825



11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



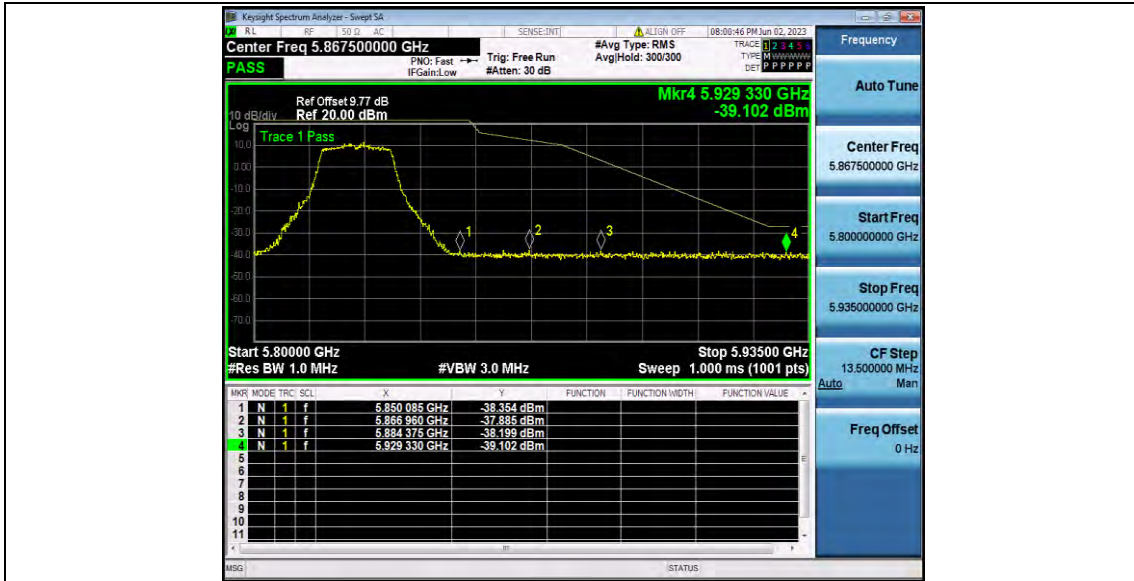
11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



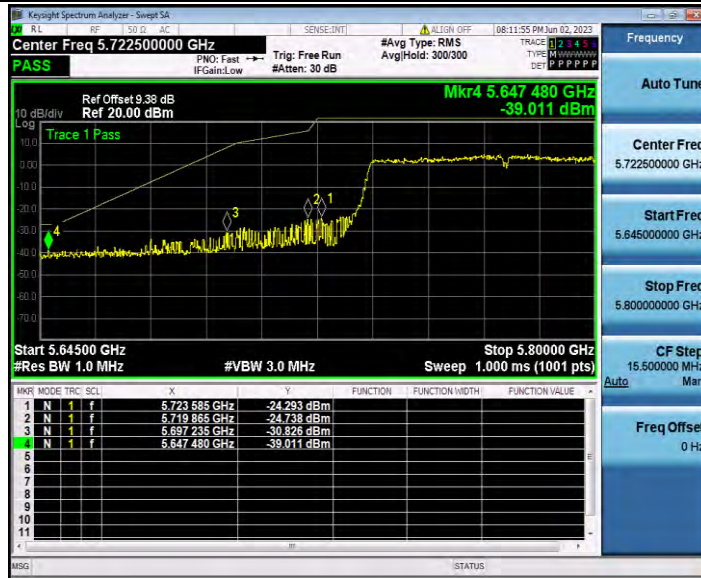
11AC20SISO_Ant1_High_5825



11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



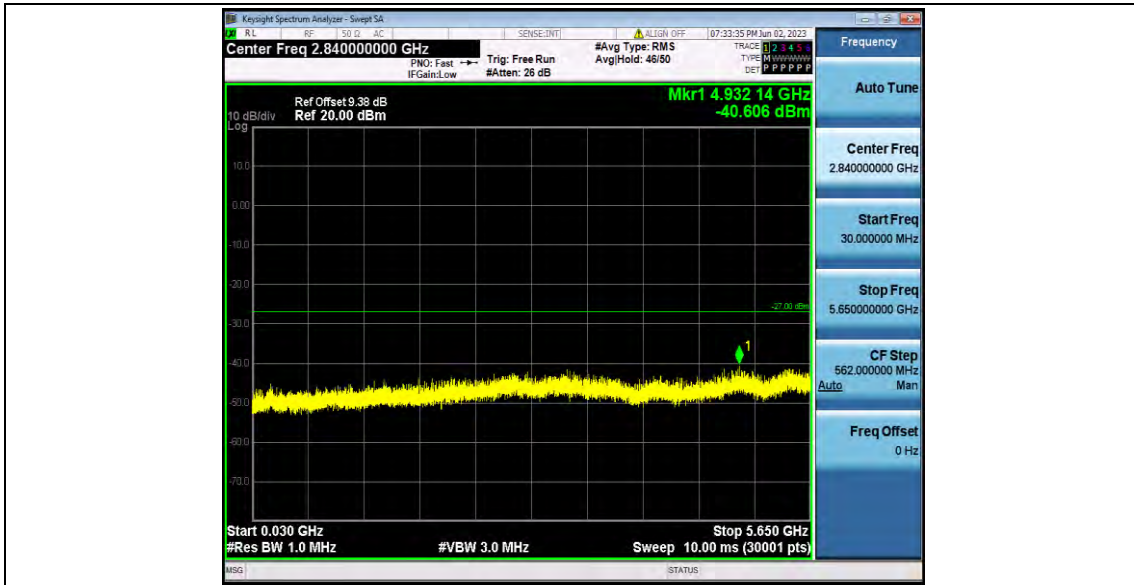
11AC80SISO_Ant1_High_5775

Appendix G.7: Conducted Spurious Emission

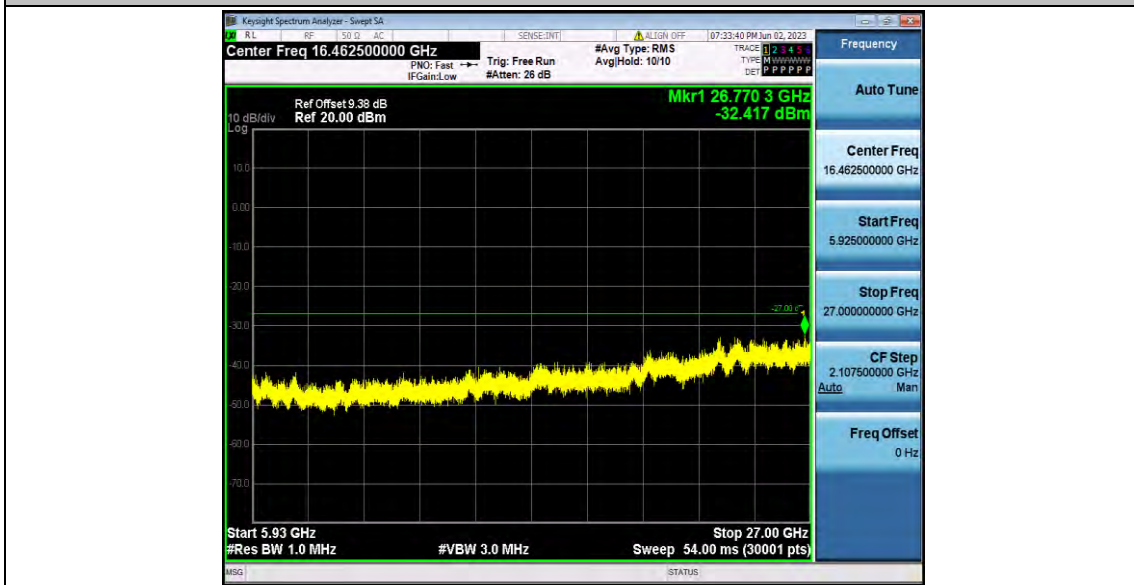
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	4932.14	-40.61	≤-27	PASS
			5925~40000	26770.28	-32.42	≤-27	PASS
		5785	30~5650	5480.46	-40.58	≤-27	PASS
			5925~40000	24293.97	-32.01	≤-27	PASS
		5825	30~5650	3203.05	-40.23	≤-27	PASS
			5925~40000	24187.89	-31.81	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5423.51	-40.54	≤-27	PASS
			5925~40000	24253.23	-31.7	≤-27	PASS
		5785	30~5650	4968.29	-39.72	≤-27	PASS
			5925~40000	24306.62	-32.4	≤-27	PASS
		5825	30~5650	3266	-40.51	≤-27	PASS
			5925~40000	24292.57	-32.81	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5435.32	-40.84	≤-27	PASS
			5925~40000	23553.54	-31.41	≤-27	PASS
		5795	30~5650	5450.68	-40.61	≤-27	PASS
			5925~40000	25160.15	-32.33	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5522.61	-40.96	≤-27	PASS
			5925~40000	26025.63	-31.85	≤-27	PASS
		5785	30~5650	5318.98	-40.66	≤-27	PASS
			5925~40000	26505.44	-32.26	≤-27	PASS
		5825	30~5650	4966.23	-40.94	≤-27	PASS
			5925~40000	26584.12	-32.06	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5427.82	-41.2	≤-27	PASS
			5925~40000	24239.88	-32.96	≤-27	PASS
		5795	30~5650	5501.26	-40.25	≤-27	PASS
			5925~40000	26496.31	-31.73	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5555.58	-40.94	≤-27	PASS
			5925~40000	25200.2	-32.56	≤-27	PASS

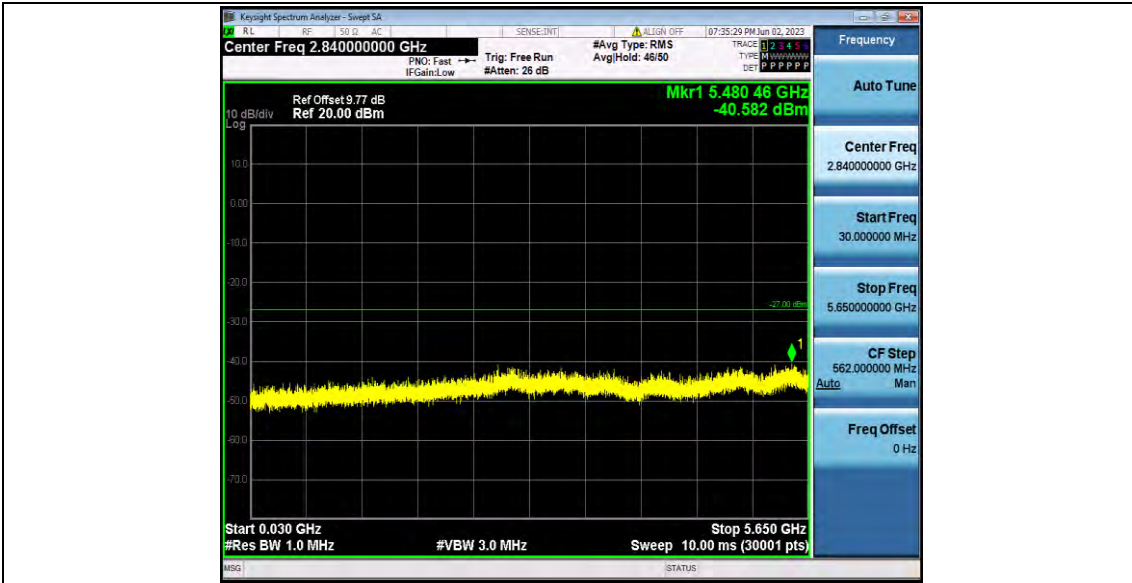
Test Graphs



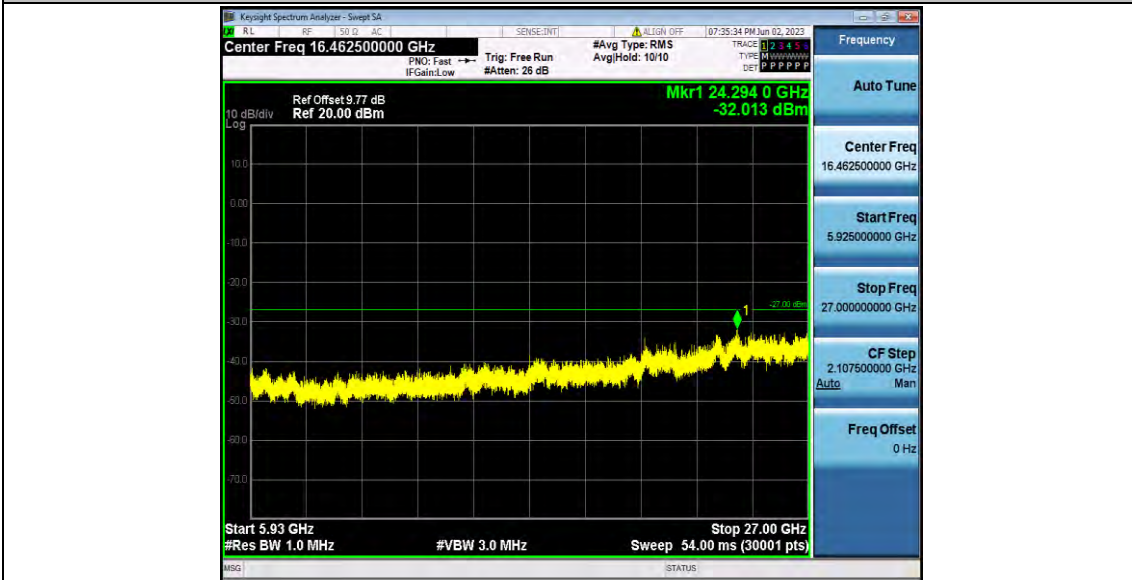
11A_Ant1_5745_30~5650



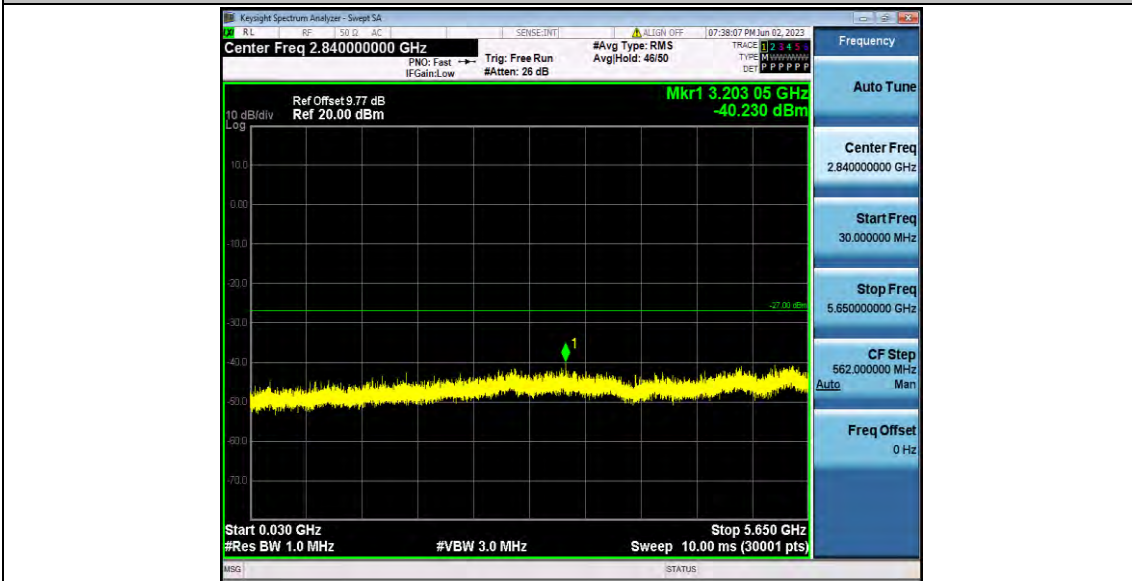
11A_Ant1_5745_5925~40000



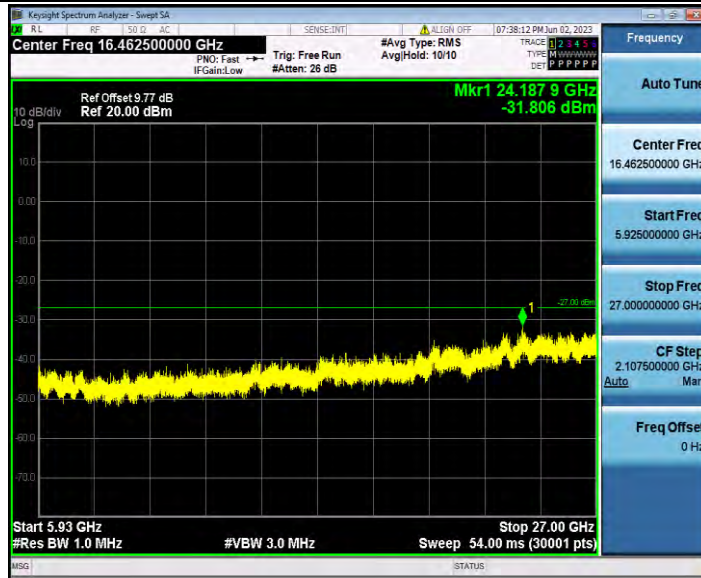
11A_Ant1_5785_30~5650



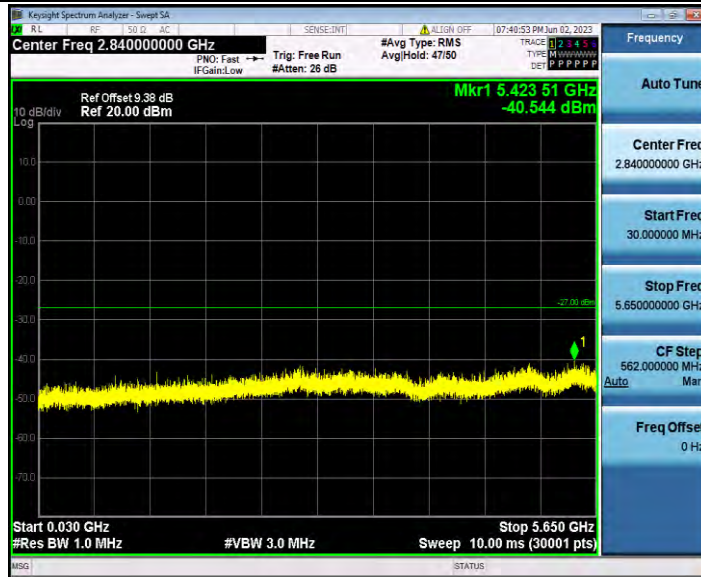
11A_Ant1_5785_5925~40000



11A_Ant1_5825_30~5650



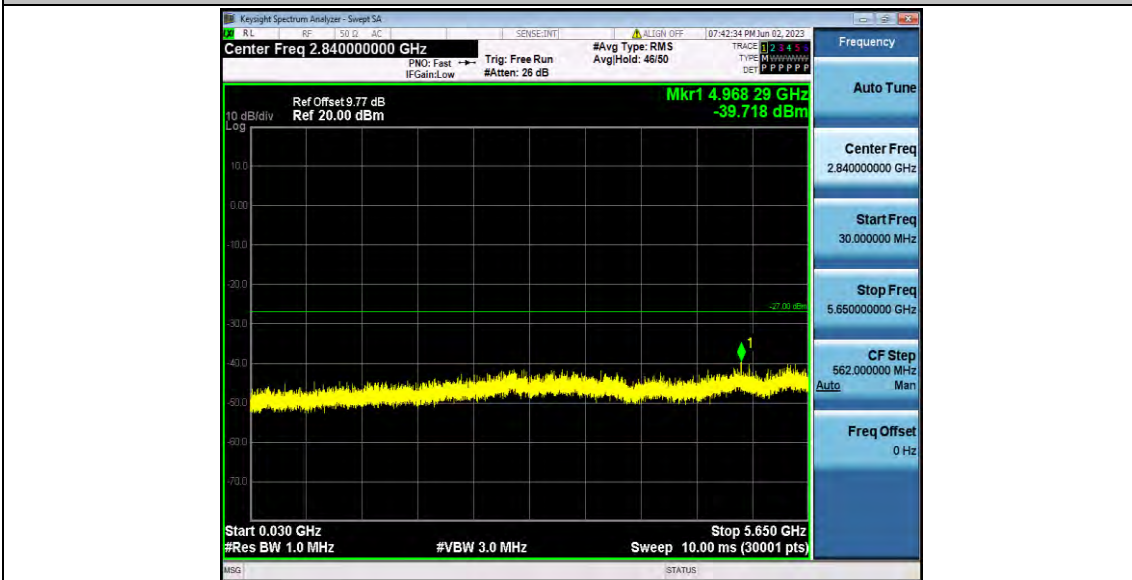
11A_Ant1_5825_5925~40000



11N20SISO_Ant1_5745_30~5650



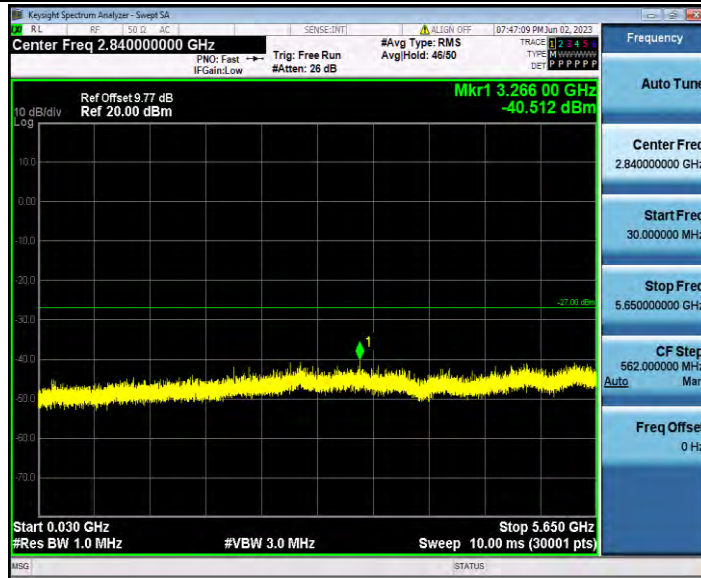
11N20SISO_Ant1_5745_5925~40000



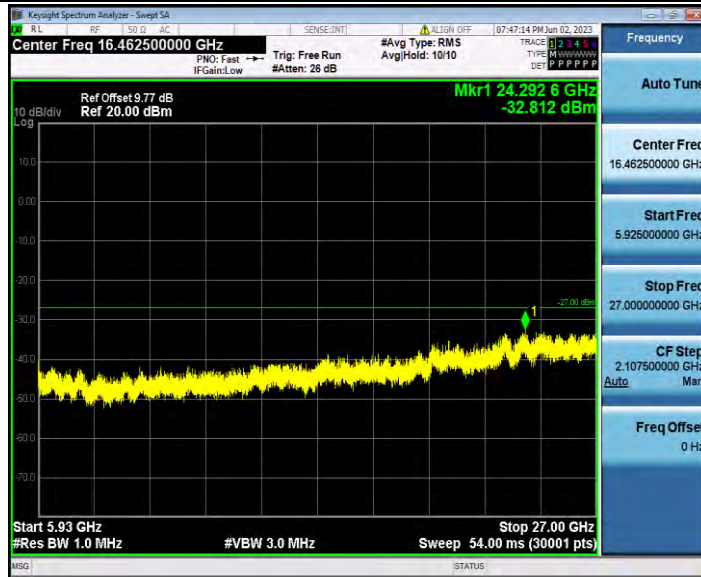
11N20SISO_Ant1_5785_30~5650



11N20SISO_Ant1_5785_5925~40000



11N20SISO_Ant1_5825_30~5650



11N20SISO_Ant1_5825_5925~40000



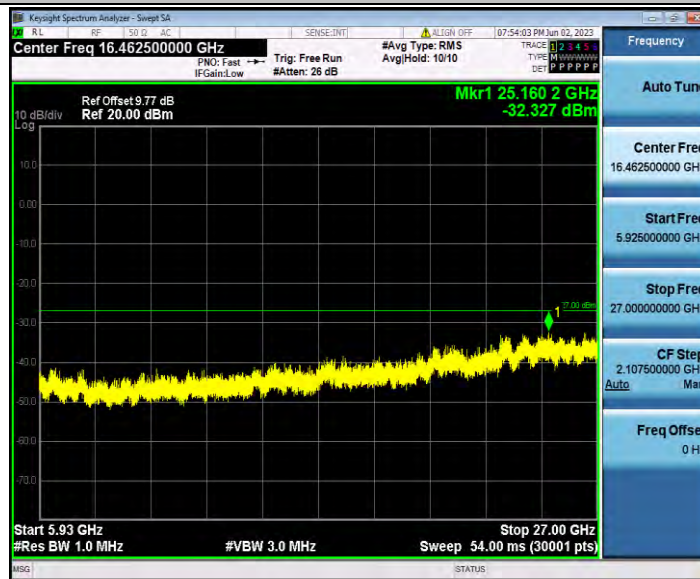
11N40SISO_Ant1_5755_30~5650



11N40SISO_Ant1_5755_5925~40000



11N40SISO_Ant1_5795_30~5650



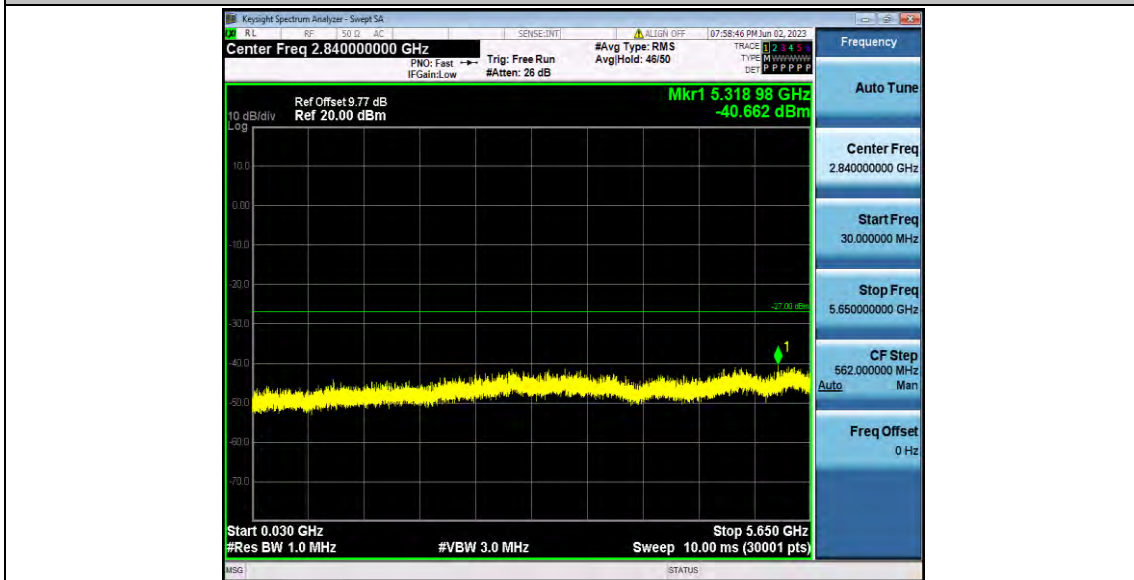
11N40SISO_Ant1_5795_5925~40000



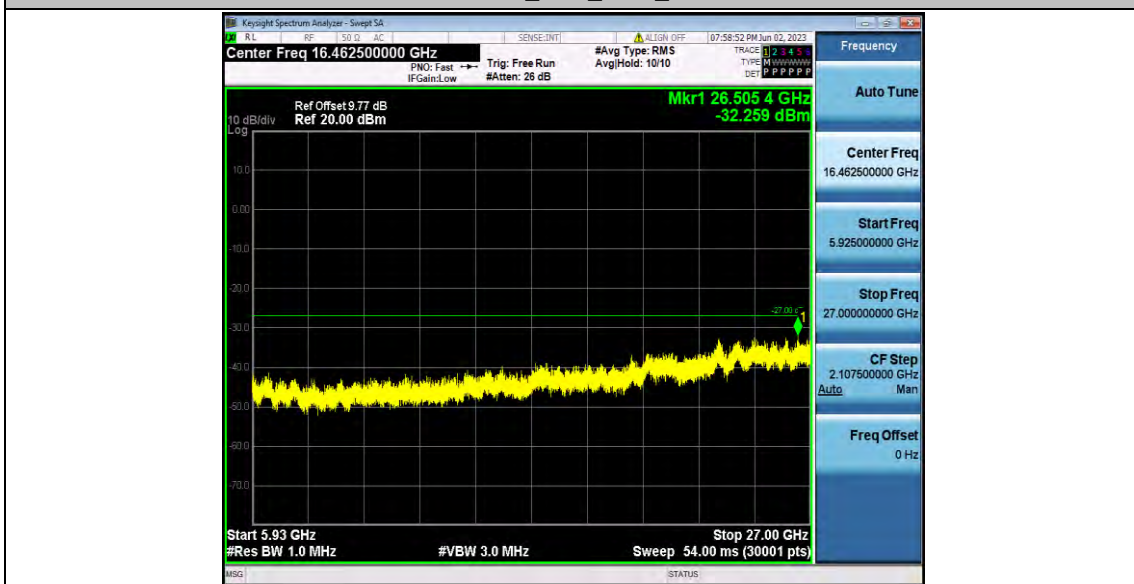
11AC20SISO_Ant1_5745_30~5650



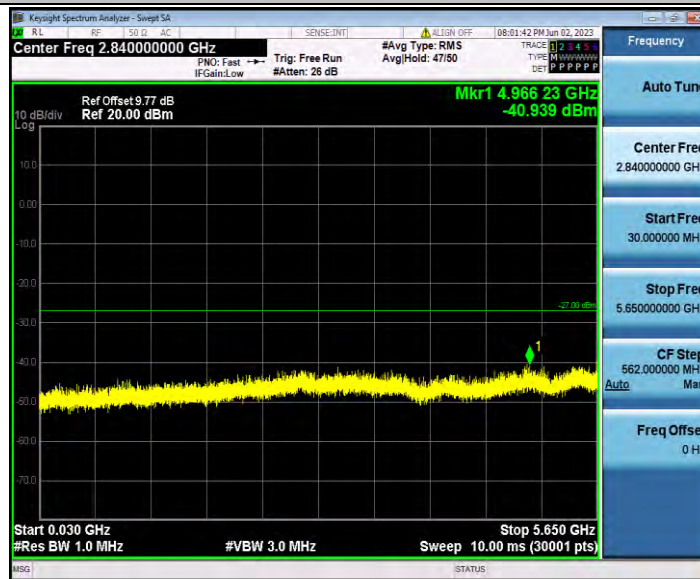
11AC20SISO_Ant1_5745_5925~4000



11AC20SISO_Ant1_5785_30~5650



11AC20SISO_Ant1_5785_5925~40000



11AC20SISO_Ant1_5825_30~5650



11AC20SISO_Ant1_5825_5925~40000



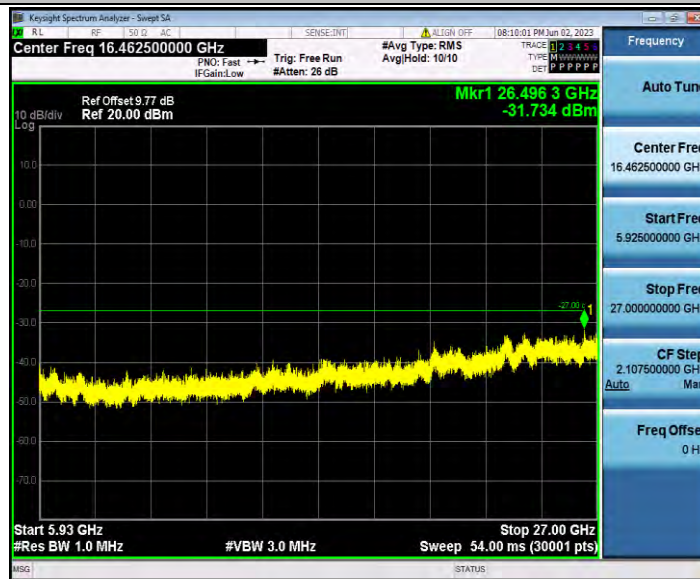
11AC40SISO_Ant1_5755_30~5650



11AC40SISO_Ant1_5755_5925~40000



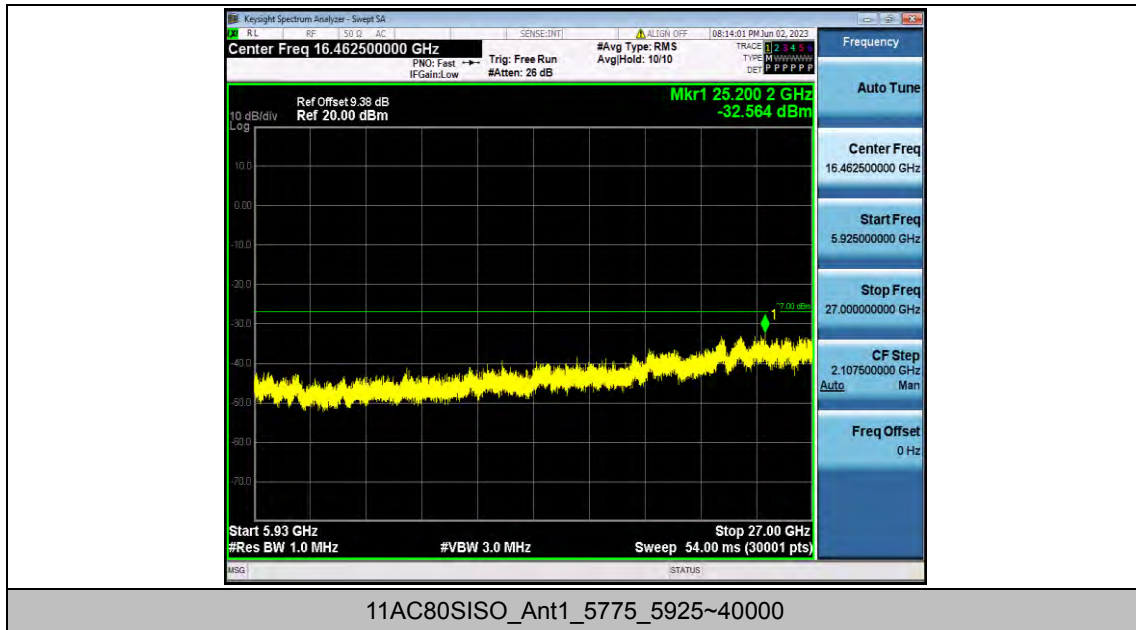
11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~40000

Appendix G.8: Emissions in Restricted Bands

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBUV/m]	Limit [dBUV/m]	Verdict
11A	Ant1	Low	5745	Peak	5650.000	-41.105	≤-27.00	---	---	PASS
				Peak	5700.000	-38.88	≤10.00	---	---	PASS
				Peak	5720.000	-44.04	≤15.60	---	---	PASS
				Peak	5725.000	-36.79	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-43.004	≤15.60	---	---	PASS
				Peak	5855.000	-40.35	≤27.00	---	---	PASS
				Peak	5875.000	-42.01	≤15.60	---	---	PASS
				Peak	5925.000	-42.48	≤10.00	---	---	PASS
11N20SIS O	Ant1	Low	5745	Peak	5650.000	-41.429	≤-27.00	---	---	PASS
				Peak	5700.000	-40.72	≤10.00	---	---	PASS
				Peak	5720.000	-41.74	≤15.60	---	---	PASS
				Peak	5725.000	-39.42	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-38.772	≤15.60	---	---	PASS
				Peak	5855.000	-39.32	≤27.00	---	---	PASS
				Peak	5875.000	-38.63	≤15.60	---	---	PASS
				Peak	5925.000	-40.66	≤10.00	---	---	PASS
11N40SIS O	Ant1	Low	5755	Peak	5650.000	-39.83	≤-27.00	---	---	PASS
				Peak	5700.000	-39.62	≤10.00	---	---	PASS
				Peak	5720.000	-35.09	≤15.60	---	---	PASS
				Peak	5725.000	-32.65	≤27.00	---	---	PASS
		High	5795	Peak	5850.000	-39.825	≤15.60	---	---	PASS
				Peak	5855.000	-37.63	≤27.00	---	---	PASS
				Peak	5875.000	-38.9	≤15.60	---	---	PASS
				Peak	5925.000	-40.19	≤10.00	---	---	PASS
11AC20SI SO	Ant1	Low	5745	Peak	5650.000	-40.732	≤-27.00	---	---	PASS
				Peak	5700.000	-38.97	≤10.00	---	---	PASS
				Peak	5720.000	-40.22	≤15.60	---	---	PASS
				Peak	5725.000	-34.97	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-38.98	≤15.60	---	---	PASS
				Peak	5855.000	-40.35	≤27.00	---	---	PASS
				Peak	5875.000	-43.2	≤15.60	---	---	PASS
				Peak	5925.000	-43.6	≤10.00	---	---	PASS
11AC40SI SO	Ant1	Low	5755	Peak	5650.000	-40.632	≤-27.00	---	---	PASS
				Peak	5700.000	-39.02	≤10.00	---	---	PASS
				Peak	5720.000	-35.37	≤15.60	---	---	PASS
				Peak	5725.000	-33.57	≤27.00	---	---	PASS

		High	5795	Peak	5850.000	-37.662	≤ 15.60	---	---	PASS
				Peak	5855.000	-39.21	≤ 27.00	---	---	PASS
				Peak	5875.000	-38.78	≤ 15.60	---	---	PASS
				Peak	5925.000	-39.45	≤ 10.00	---	---	PASS
11AC80SI SO	Ant1	Low	5775	Peak	5650.000	-39.953	≤ -27.00	---	---	PASS
				Peak	5700.000	-37.41	≤ 10.00	---	---	PASS
				Peak	5720.000	-29.24	≤ 15.60	---	---	PASS
				Peak	5725.000	-34.77	≤ 27.00	---	---	PASS
		High	5775	Peak	5850.000	-33.885	≤ 15.60	---	---	PASS
				Peak	5855.000	-35.94	≤ 27.00	---	---	PASS
				Peak	5875.000	-39.15	≤ 15.60	---	---	PASS
				Peak	5925.000	-39.17	≤ 10.00	---	---	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_5745_Peak



11A_Ant1_High_5825_Peak



11N20SISO_Ant1_Low_5745_Peak



11N20SISO_Ant1_High_5825_Peak



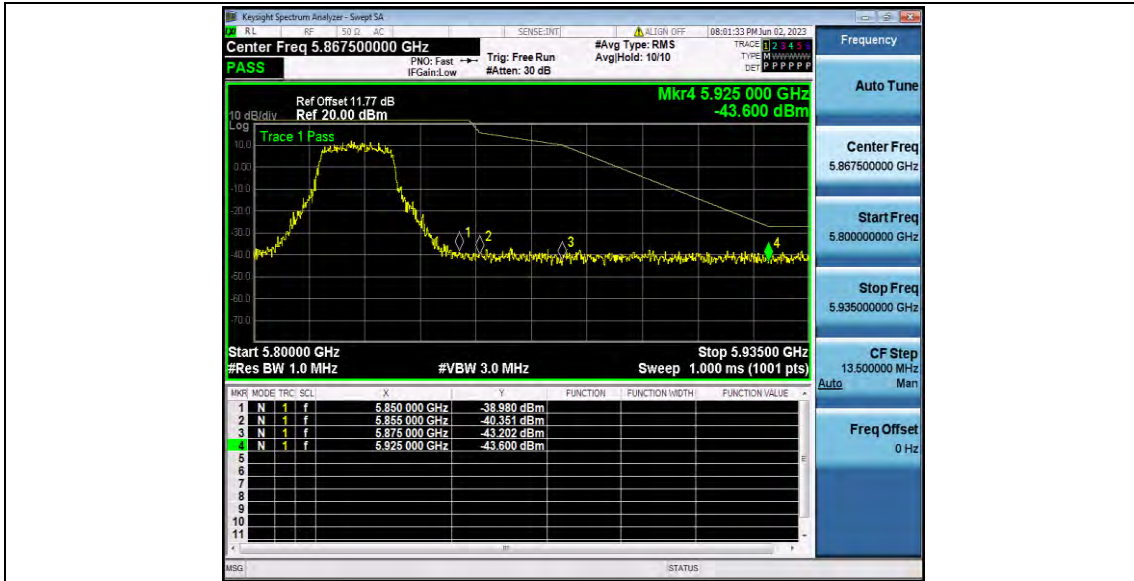
11N40SISO_Ant1_Low_5755_Peak



11N40SISO_Ant1_High_5795_Peak



11AC20SISO_Ant1_Low_5745_Peak



11AC20SISO_Ant1_High_5825_Peak



11AC40SISO_Ant1_Low_5755_Peak



11AC40SISO_Ant1_High_5795_Peak



11AC80SISO_Ant1_Low_5775_Peak



11AC80SISO_Ant1_High_5775_Peak