

Case No. : <u>GTS20250904021-1-04</u>	
Ambient Condition: <u>22</u> °C, <u>57</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2025.9.9-2025.9.17</u>	Test Engineer: <u>Evan ouyang</u>

AppendixE.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.454	5736.1468	5753.6008	---	---
		5785	17.230	5776.3086	5793.5386	---	---
		5825	17.270	5816.2722	5833.5422	---	---
11N20SISO	Ant1	5745	18.234	5735.8408	5754.0748	---	---
		5785	18.131	5775.9236	5794.0546	---	---
		5825	18.159	5815.8910	5834.0500	---	---
11N40SISO	Ant1	5755	36.927	5736.5545	5773.4815	---	---
		5795	36.850	5776.6212	5813.4712	---	---
11AC20SISO	Ant1	5745	18.237	5735.8601	5754.0971	---	---
		5785	18.121	5775.9313	5794.0523	---	---
		5825	18.231	5815.8751	5834.1061	---	---
11AC40SISO	Ant1	5755	36.928	5736.5179	5773.4459	---	---
		5795	36.785	5776.6270	5813.4120	---	---
11AC80SISO	Ant1	5775	76.142	5736.9416	5813.0836	---	---

Test Graphs

11A_Ant1_5745



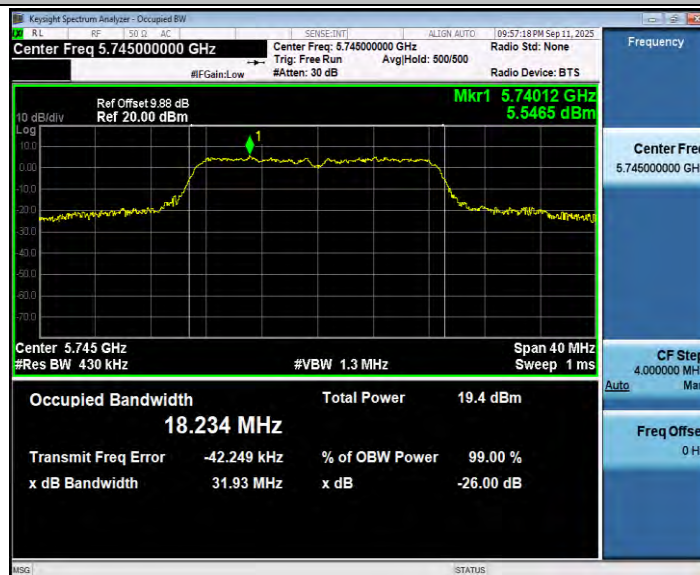
11A_Ant1_5785



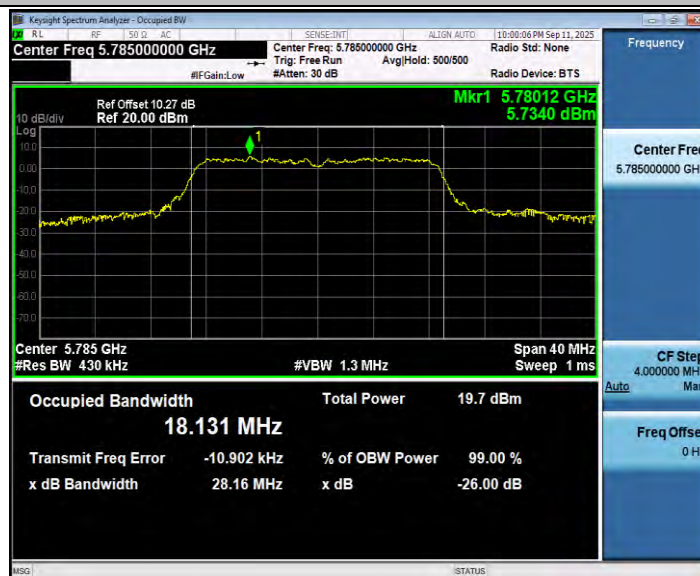
11A_Ant1_5825



11N20SISO_Ant1_5745



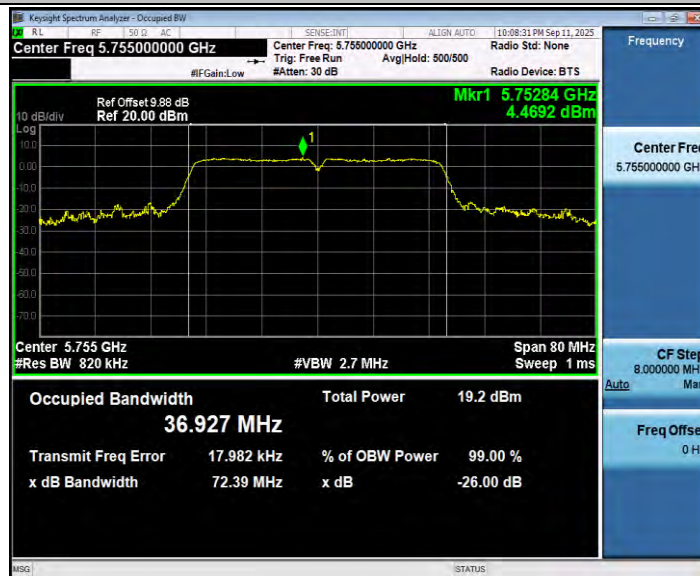
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



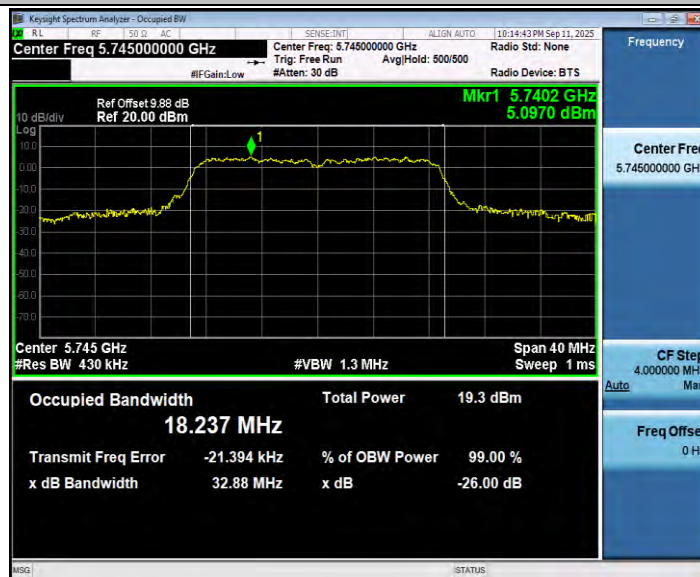
11N40SISO_Ant1_5755



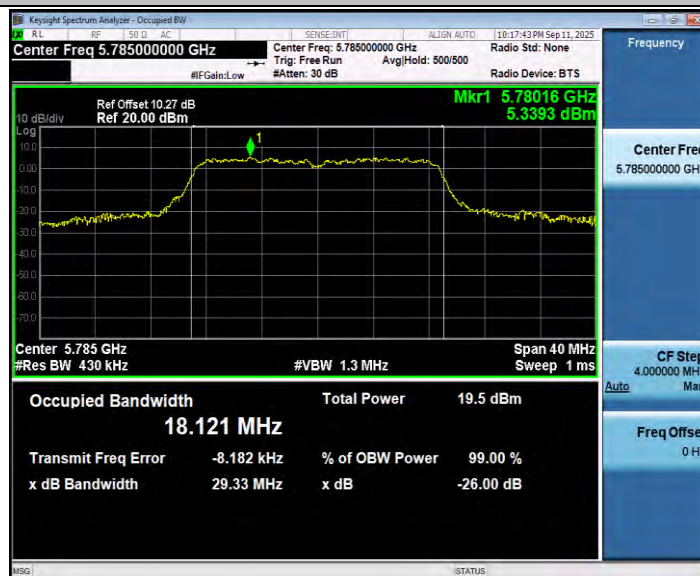
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



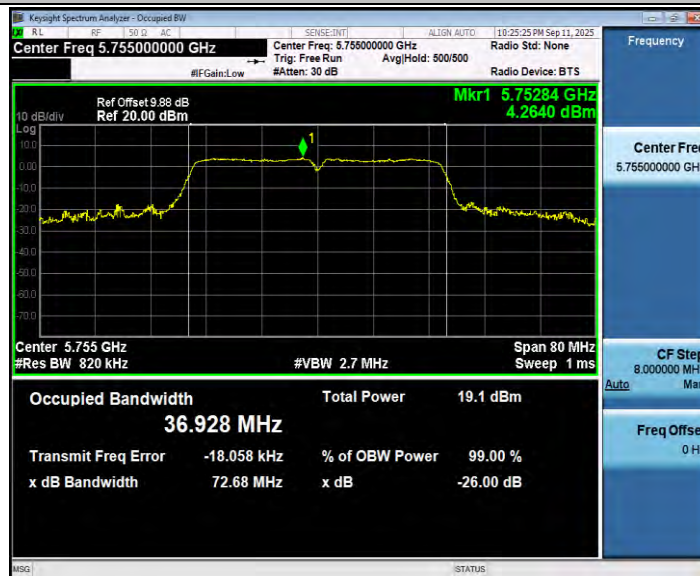
11AC20SISO_Ant1_5785



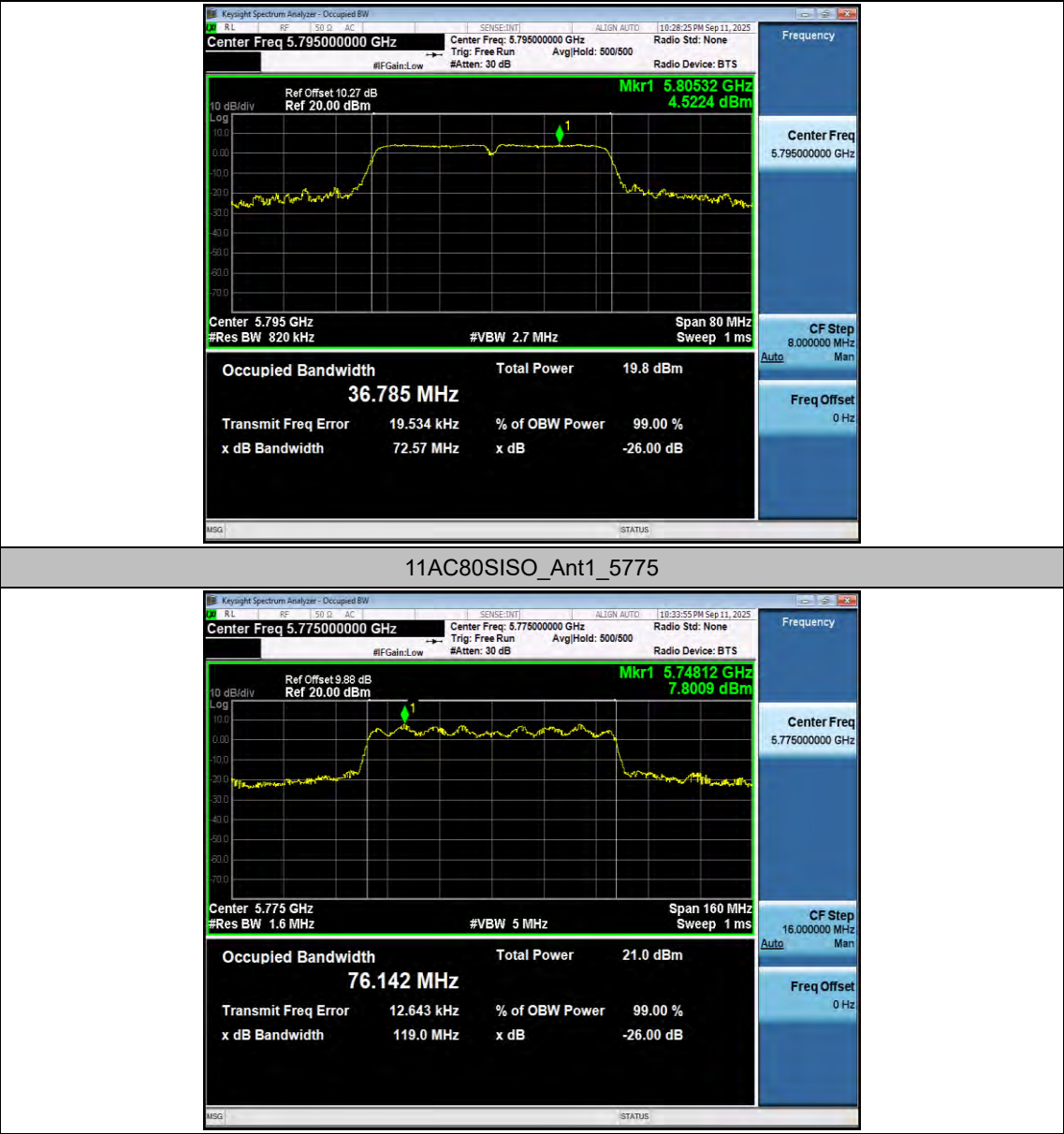
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



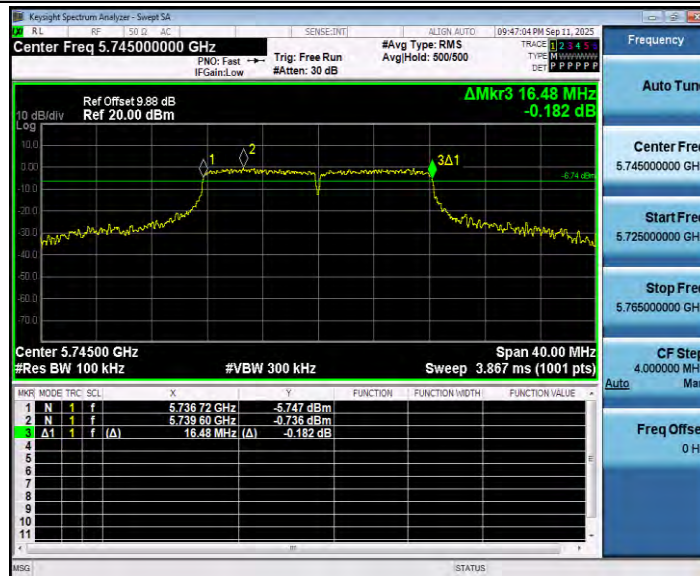
AppendixE.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.480	5736.720	5753.200	0.5	PASS
		5785	16.520	5776.720	5793.240	0.5	PASS
		5825	16.520	5816.720	5833.240	0.5	PASS
11N20SISO	Ant1	5745	17.640	5736.120	5753.760	0.5	PASS
		5785	17.640	5776.160	5793.800	0.5	PASS
		5825	17.640	5816.160	5833.800	0.5	PASS
11N40SISO	Ant1	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.640	5736.160	5753.800	0.5	PASS
		5785	17.640	5776.160	5793.800	0.5	PASS
		5825	17.640	5816.160	5833.800	0.5	PASS
11AC40SISO	Ant1	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	75.840	5736.920	5812.760	0.5	PASS

Test Graphs B4

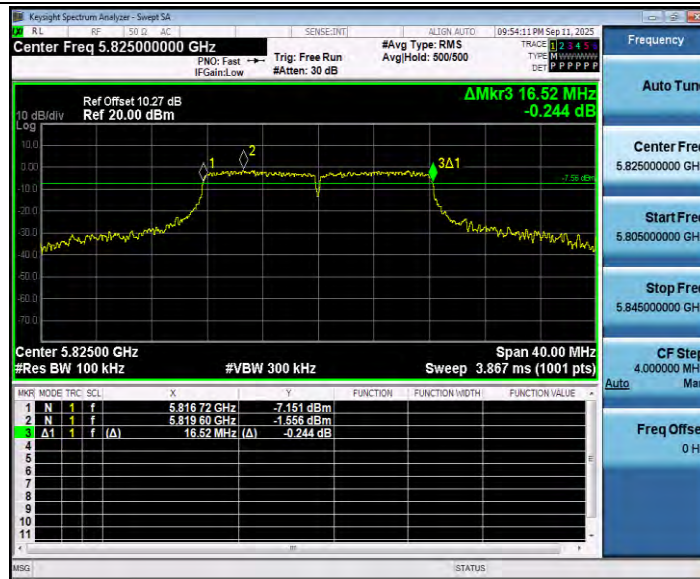
11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



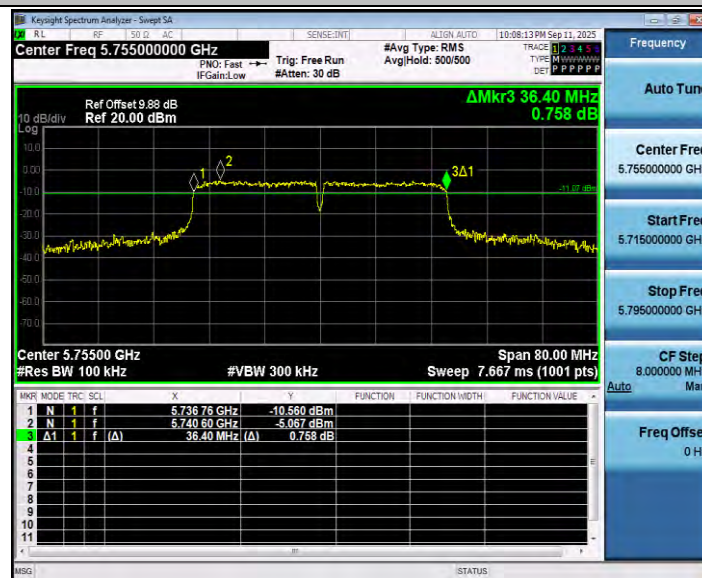
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



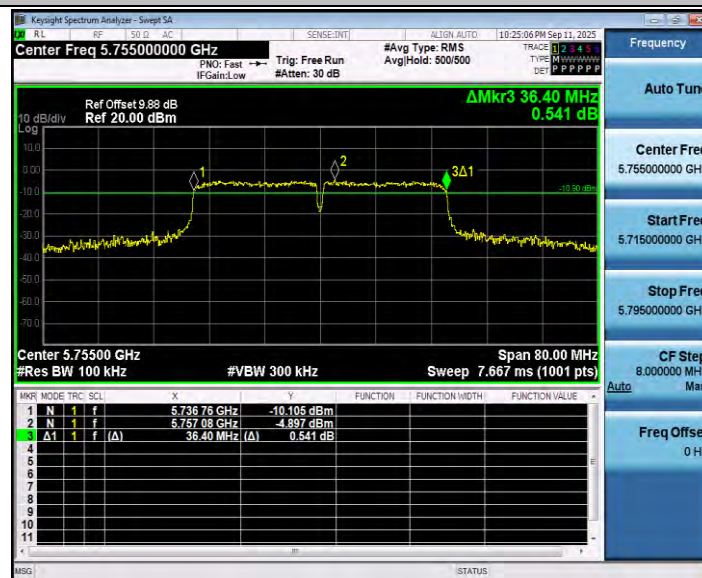
11AC20SISO_Ant1_5785



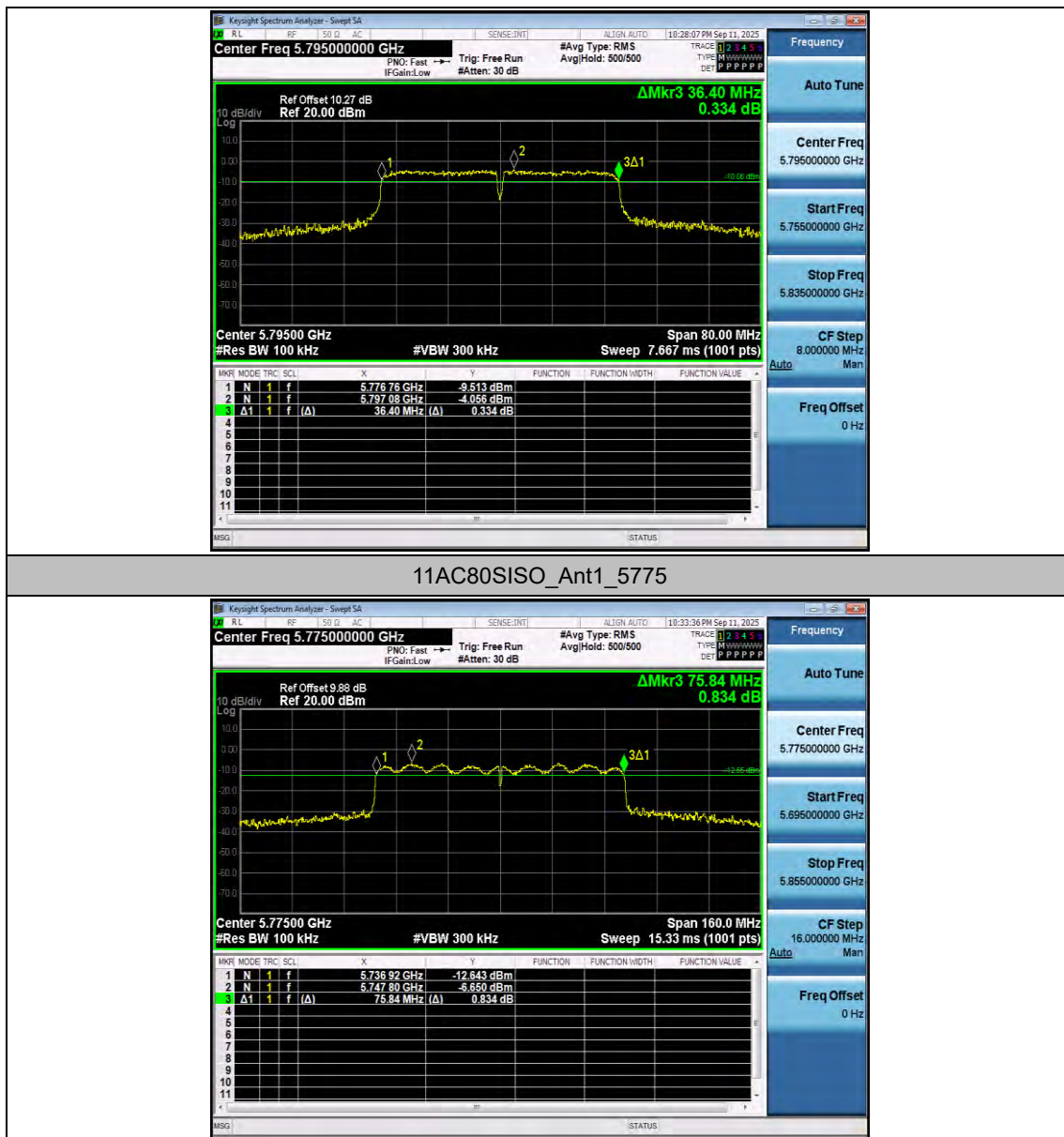
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



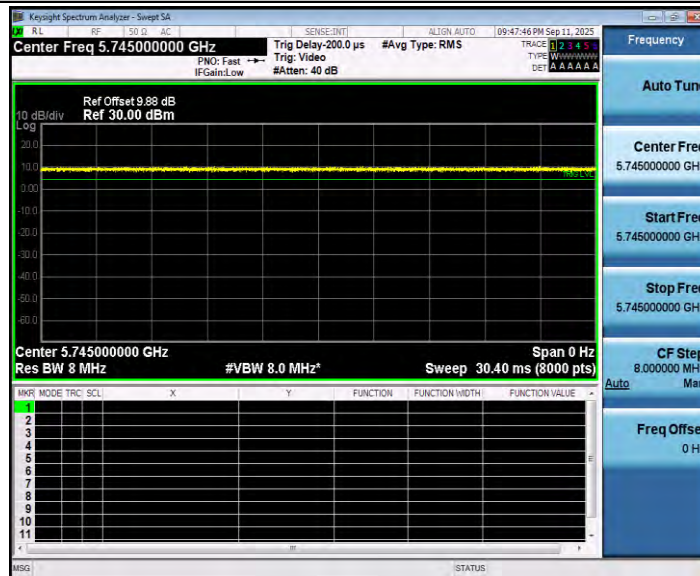
Appendix E.3: Duty Cycle

Test Result

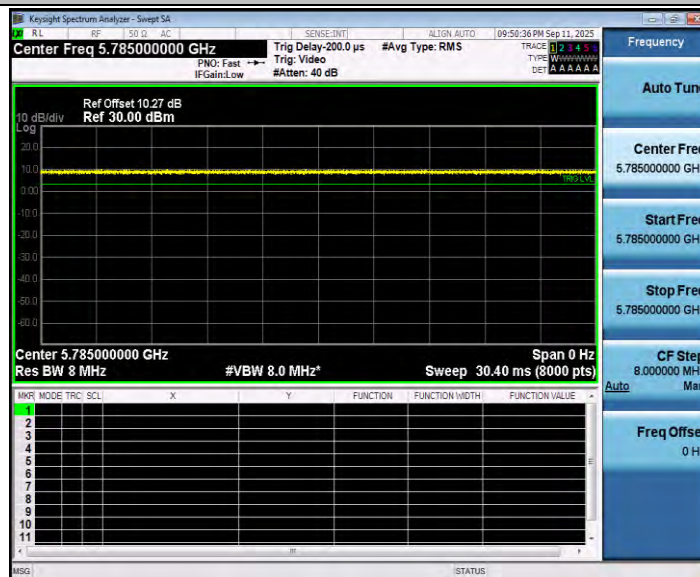
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	30.00	30.00	100.00	0.00	0.03
		5785	30.00	30.00	100.00	0.00	0.03
		5825	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5745	30.00	30.00	100.00	0.00	0.03
		5785	30.00	30.00	100.00	0.00	0.03
		5825	30.00	30.00	100.00	0.00	0.03
11N40SISO	Ant1	5755	30.00	30.00	100.00	0.00	0.03
		5795	30.00	30.00	100.00	0.00	0.03
11AC20SISO	Ant1	5745	30.00	30.00	100.00	0.00	0.03
		5785	30.00	30.00	100.00	0.00	0.03
		5825	30.00	30.00	100.00	0.00	0.03
11AC40SISO	Ant1	5755	30.00	30.00	100.00	0.00	0.03
		5795	30.00	30.00	100.00	0.00	0.03
11AC80SISO	Ant1	5775	30.00	30.00	100.00	0.00	0.03

Test Graphs

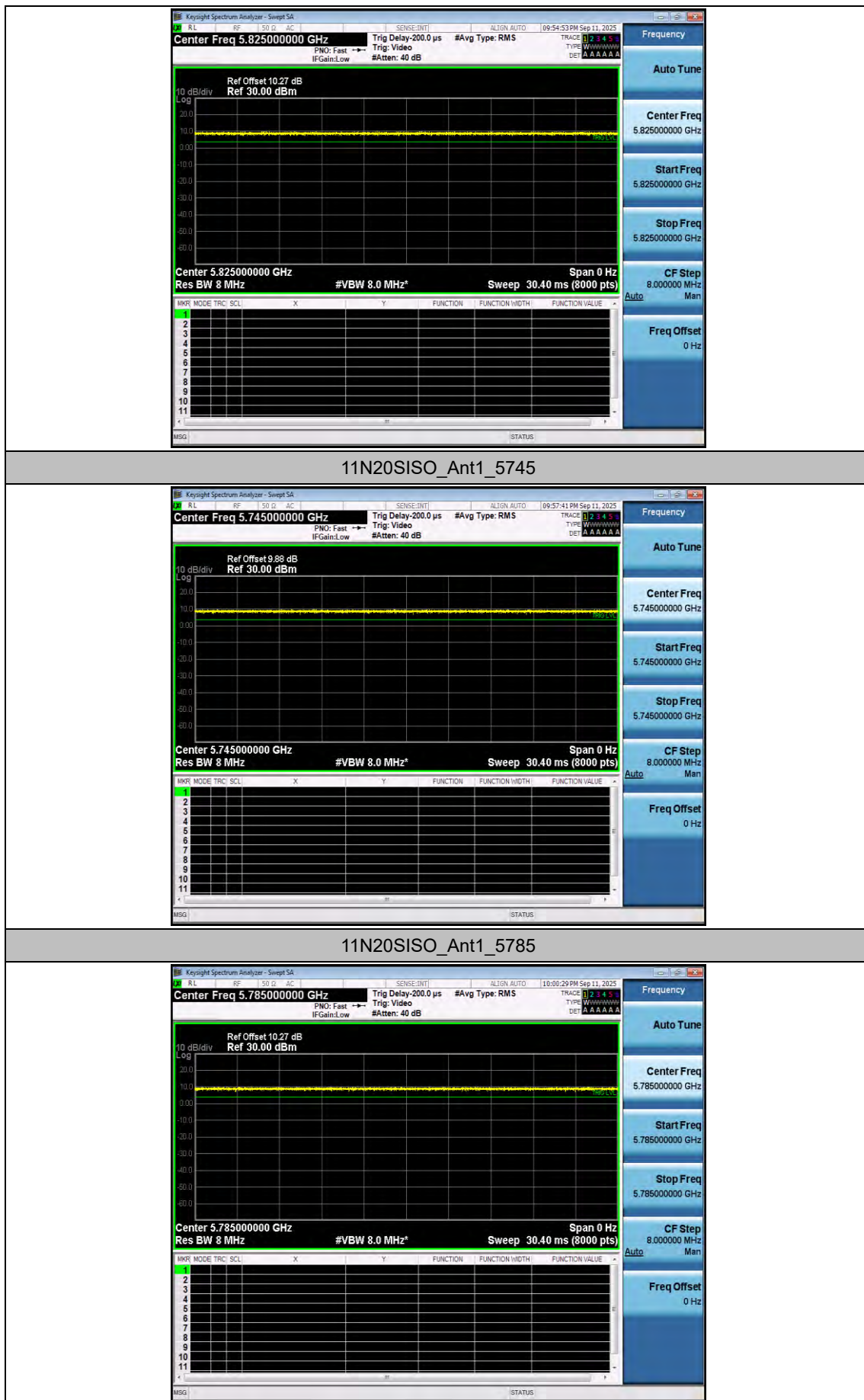
11A_Ant1_5745



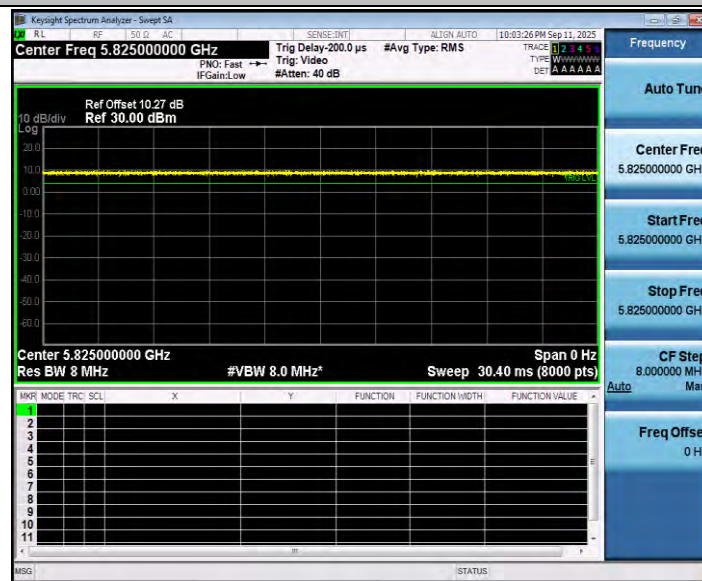
11A_Ant1_5785



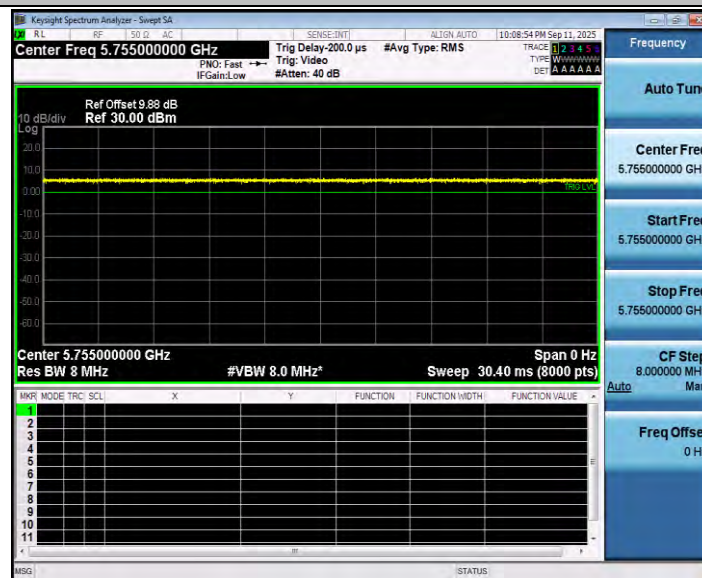
11A_Ant1_5825



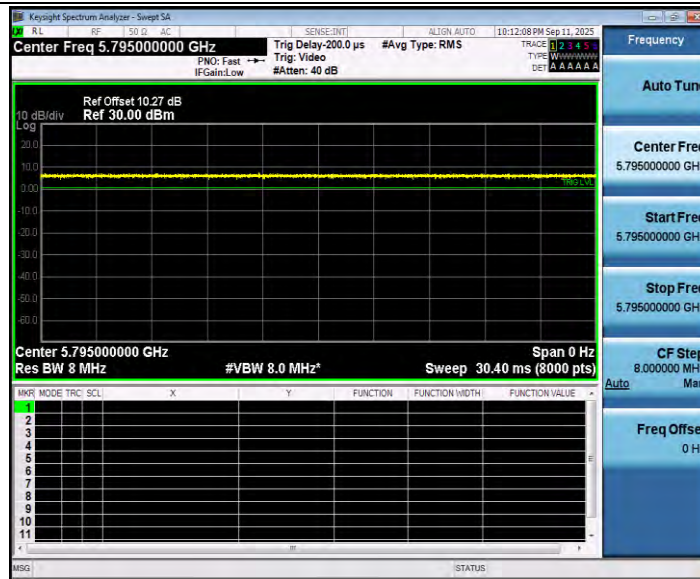
11N20SISO_Ant1_5825



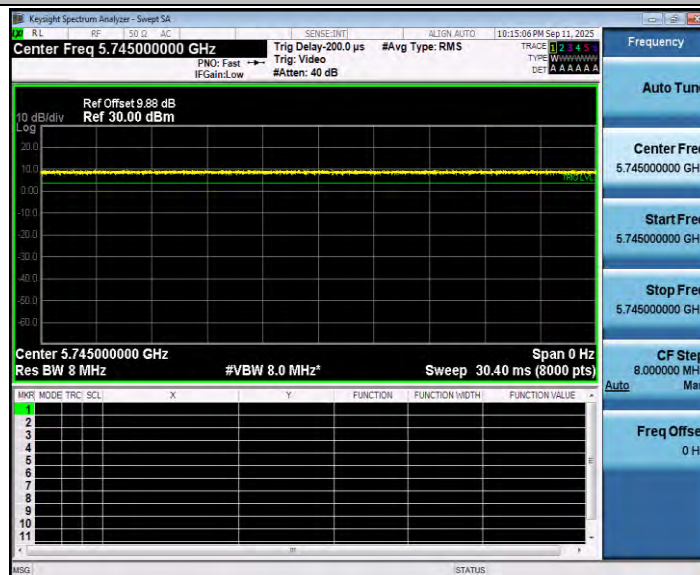
11N40SISO_Ant1_5755



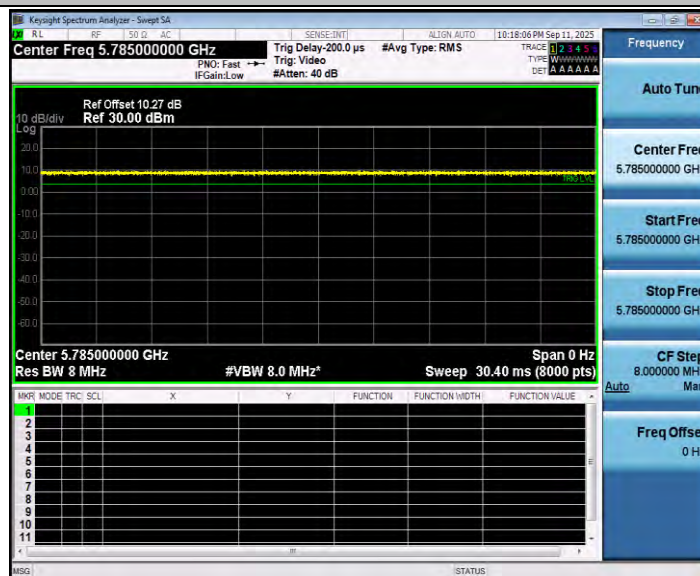
11N40SISO_Ant1_5795



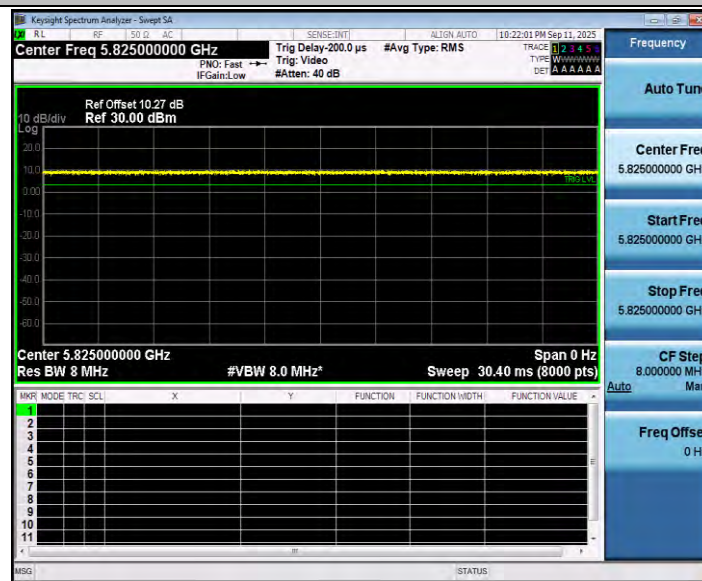
11AC20SISO_Ant1_5745



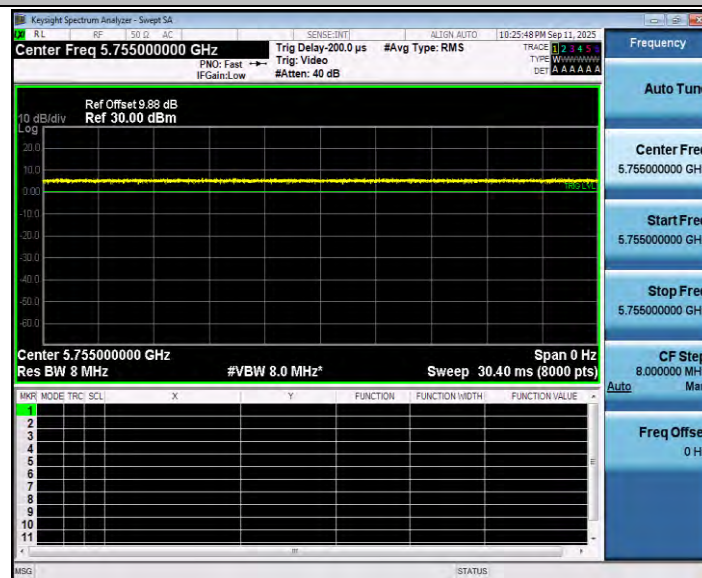
11AC20SISO_Ant1_5785



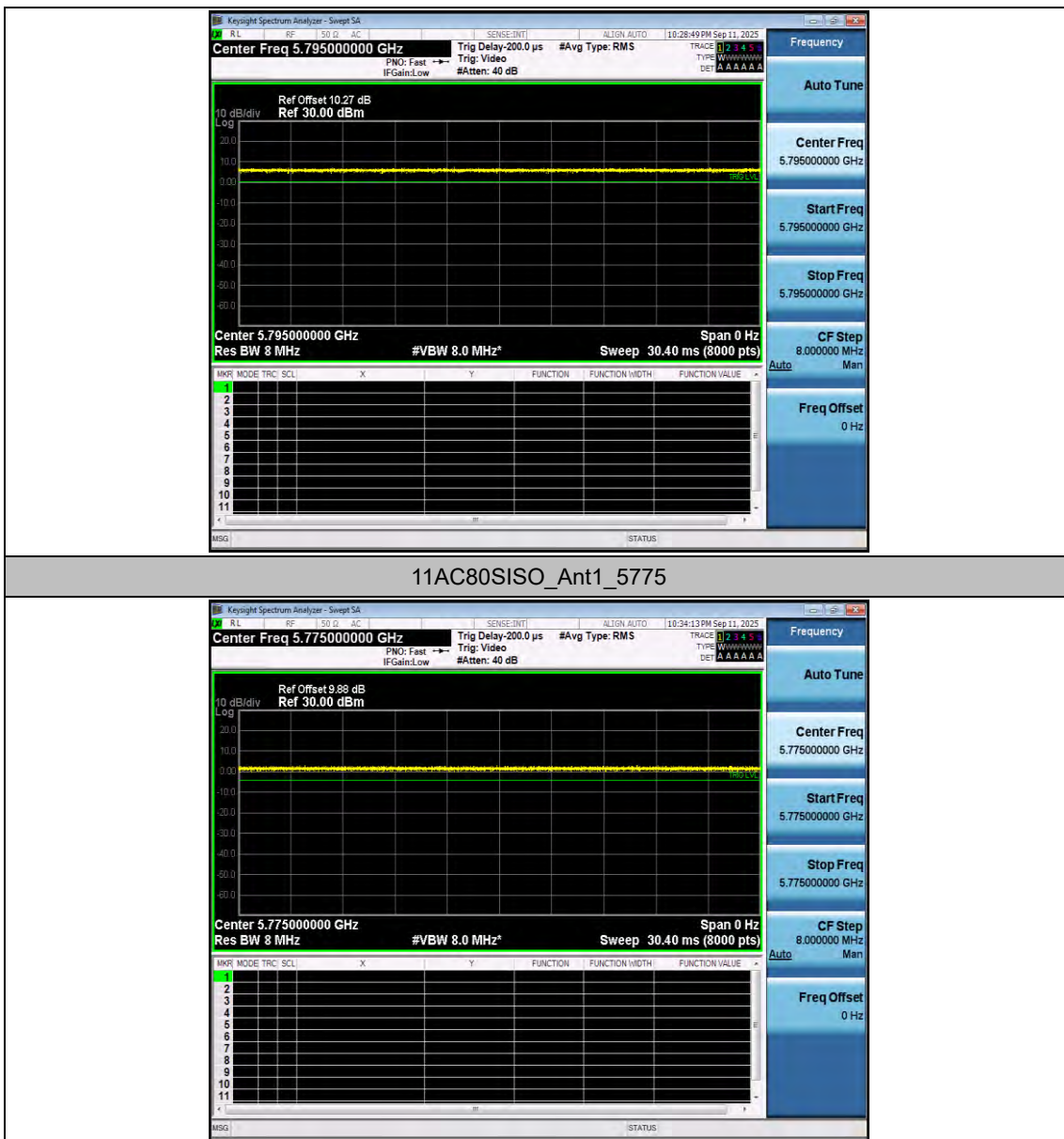
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



Appendix E.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	5745	13.06	100.00	0.00	13.06	≤30.00	PASS
		5785	12.69	100.00	0.00	12.69	≤30.00	PASS
		5825	12.41	100.00	0.00	12.41	≤30.00	PASS
11N20SISO	Ant1	5745	12.72	100.00	0.00	12.72	≤30.00	PASS
		5785	12.97	100.00	0.00	12.97	≤30.00	PASS
		5825	12.75	100.00	0.00	12.75	≤30.00	PASS
11N40SISO	Ant1	5755	12.02	100.00	0.00	12.02	≤30.00	PASS
		5795	12.71	100.00	0.00	12.71	≤30.00	PASS
11AC20SISO	Ant1	5745	12.63	100.00	0.00	12.63	≤30.00	PASS
		5785	12.84	100.00	0.00	12.84	≤30.00	PASS
		5825	13.01	100.00	0.00	13.01	≤30.00	PASS
11AC40SISO	Ant1	5755	11.97	100.00	0.00	11.97	≤30.00	PASS
		5795	12.58	100.00	0.00	12.58	≤30.00	PASS
11AC80SISO	Ant1	5775	12.13	100.00	0.00	12.13	≤30.00	PASS

Appendix E.5: Maximum power spectral density

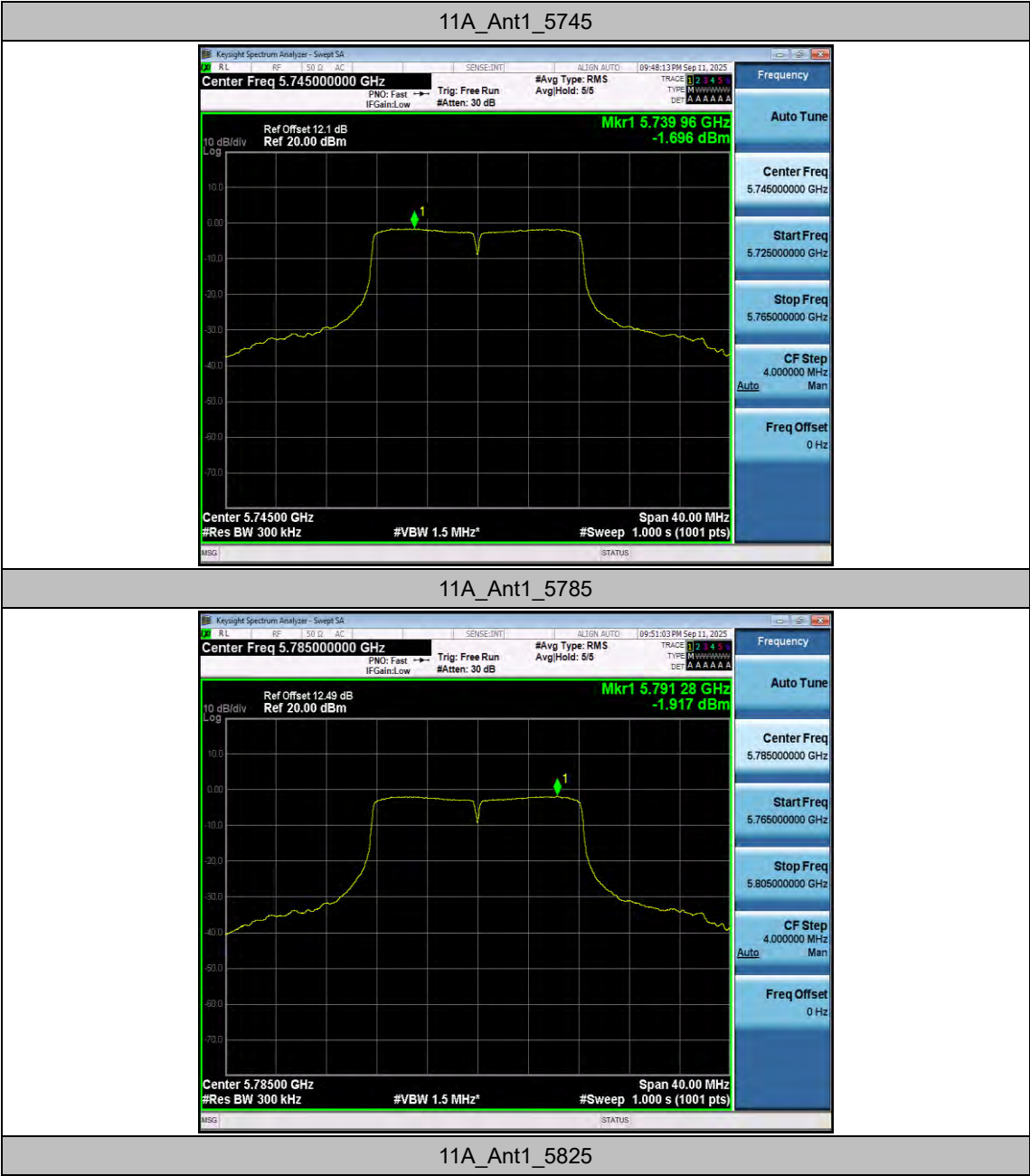
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-1.70	≤30.00	PASS
		5785	-1.92	≤30.00	PASS
		5825	-2.07	≤30.00	PASS
11N20SISO	Ant1	5745	-1.82	≤30.00	PASS
		5785	-1.75	≤30.00	PASS
		5825	-1.86	≤30.00	PASS
11N40SISO	Ant1	5755	-5.59	≤30.00	PASS
		5795	-4.87	≤30.00	PASS
11AC20SISO	Ant1	5745	-1.97	≤30.00	PASS
		5785	-1.89	≤30.00	PASS
		5825	-1.60	≤30.00	PASS
11AC40SISO	Ant1	5755	-5.60	≤30.00	PASS
		5795	-5.05	≤30.00	PASS
11AC80SISO	Ant1	5775	-7.26	≤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





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



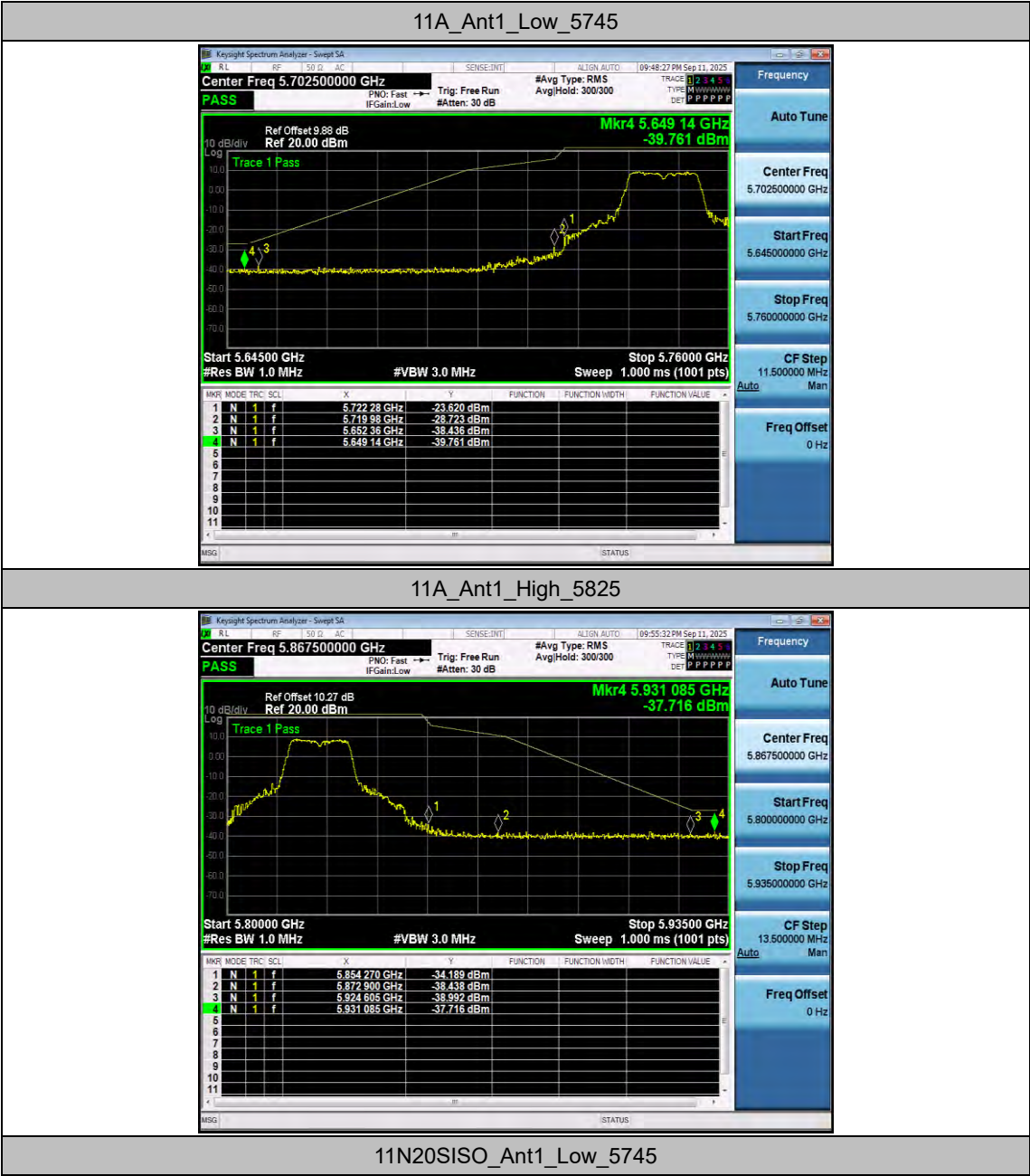
Appendix E.6: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-38.44	≤-25.25	PASS
				5700~5720	-28.72	≤15.59	PASS
				5720~5725	-23.62	≤20.80	PASS
				5760~5650	-39.76	≤-27	PASS
		High	5825	5850~5855	-34.19	≤17.26	PASS
				5855~5875	-38.44	≤10.59	PASS
				5875~5925	-38.99	≤-26.71	PASS
				5925~5935	-37.72	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-40.77	≤-26.70	PASS
				5700~5720	-30.26	≤15.59	PASS
				5720~5725	-16.87	≤25.52	PASS
				5760~5650	-40.06	≤-27	PASS
		High	5825	5850~5855	-34.26	≤17.26	PASS
				5855~5875	-31.97	≤15.24	PASS
				5875~5925	-39.68	≤-26.61	PASS
				5925~5935	-38.55	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-40.54	≤-26.90	PASS
				5700~5720	-19.52	≤15.31	PASS
				5720~5725	-21.46	≤17.28	PASS
				5780~5650	-39.56	≤-27	PASS
		High	5795	5850~5855	-37.01	≤17.16	PASS
				5855~5875	-38.14	≤10.16	PASS
				5875~5925	-39.49	≤-26.22	PASS
				5925~5935	-38.19	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-40.8	≤-26.96	PASS
				5700~5720	-28.54	≤15.47	PASS
				5720~5725	-19.8	≤21.58	PASS
				5760~5650	-39.22	≤-27	PASS
		High	5825	5850~5855	-33.59	≤16.65	PASS
				5855~5875	-34.04	≤13.65	PASS
				5875~5925	-39.51	≤-26.51	PASS
				5925~5935	-37.71	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-39.6	≤-25.80	PASS
				5700~5720	-20.33	≤15.28	PASS
				5720~5725	-20.8	≤17.58	PASS
				5780~5650	-39.92	≤-27	PASS

		High	5795	5850~5855	-39.18	≤ 15.66	PASS
				5855~5875	-37.77	≤ 10.25	PASS
				5875~5925	-38.96	≤ -26.59	PASS
				5925~5935	-38.4	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-37.58	≤ -26.46	PASS
				5700~5720	-24.12	≤ 11.66	PASS
				5720~5725	-23.57	≤ 15.65	PASS
				5800~5650	-36.45	≤ -27	PASS
		High	5775	5850~5855	-24.8	≤ 17.53	PASS
				5855~5875	-26.68	≤ 12.06	PASS
				5875~5925	-40.7	≤ -26.87	PASS
				5925~5935	-38.24	≤ -27	PASS

Test GraphsB4





11N20SISO_Ant1_High_5825



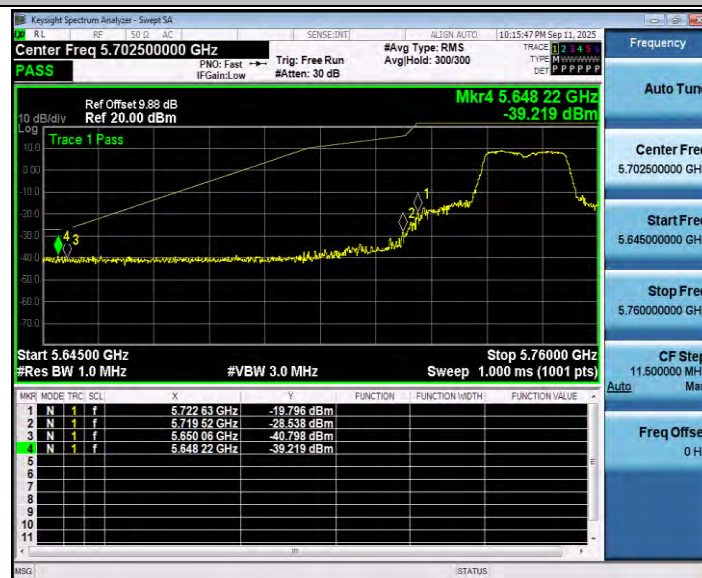
11N40SISO_Ant1_Low_5755



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 E.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5446.74	-38.74	≤-27	PASS
			5925~27000	26832.81	-31.92	≤-27	PASS
		5785	30~5650	5519.99	-39.31	≤-27	PASS
			5925~27000	24145.04	-31.25	≤-27	PASS
		5825	30~5650	5423.7	-40.48	≤-27	PASS
			5925~27000	24232.15	-30.38	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5474.28	-39.9	≤-27	PASS
			5925~27000	24809.61	-31.78	≤-27	PASS
		5785	30~5650	4948.44	-40.16	≤-27	PASS
			5925~27000	26062.87	-31.34	≤-27	PASS
		5825	30~5650	5462.67	-40.16	≤-27	PASS
			5925~27000	26848.96	-31.53	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5411.15	-39.75	≤-27	PASS
			5925~27000	24241.99	-31.84	≤-27	PASS
		5795	30~5650	5012.32	-39.5	≤-27	PASS
			5925~27000	26622.76	-32.05	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5439.06	-40.99	≤-27	PASS
			5925~27000	26452.75	-31.81	≤-27	PASS
		5785	30~5650	4878.75	-39.97	≤-27	PASS
			5925~27000	24274.3	-32.21	≤-27	PASS
		5825	30~5650	4925.39	-40.83	≤-27	PASS
			5925~27000	26014.39	-31.82	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	2546.82	-41.01	≤-27	PASS
			5925~27000	26843.34	-31.95	≤-27	PASS
		5795	30~5650	5434	-39.7	≤-27	PASS
			5925~27000	26753.42	-30.55	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5642.32	-40.52	≤-27	PASS
			5925~27000	24237.07	-31.81	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



11A_Ant1_5745_5925~27000



11A_Ant1_5785_30~5650



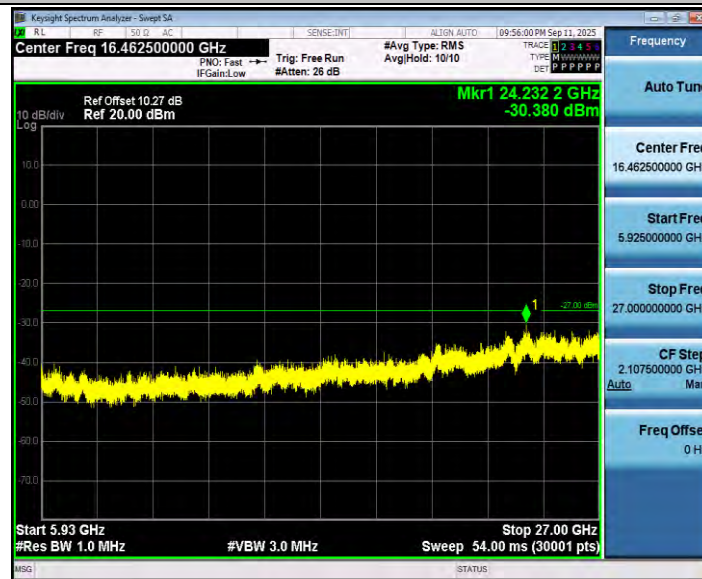
11A_Ant1_5785_5925~27000



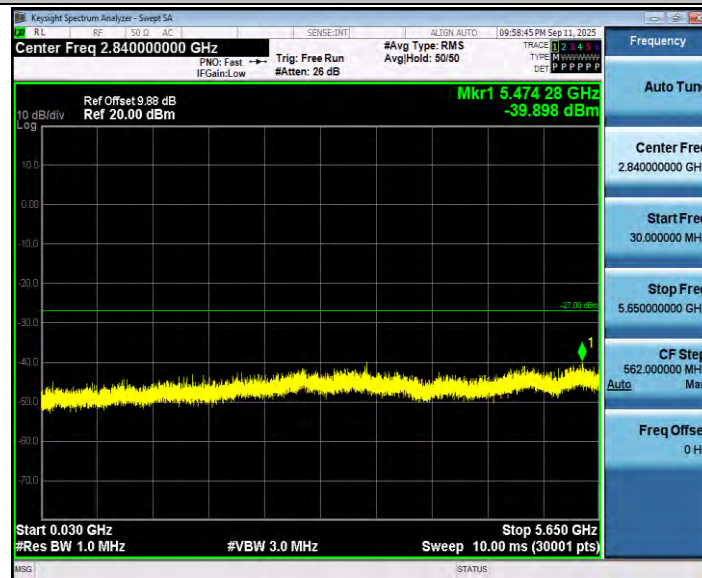
11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~27000



11N20SISO_Ant1_5745_30~5650



11N20SISO_Ant1_5745_5925~27000



11N20SISO_Ant1_5785_30~5650



11N20SISO_Ant1_5785_5925~27000



11N20SISO_Ant1_5825_30~5650



11N20SISO_Ant1_5825_5925~27000



11N40SISO_Ant1_5755_30~5650



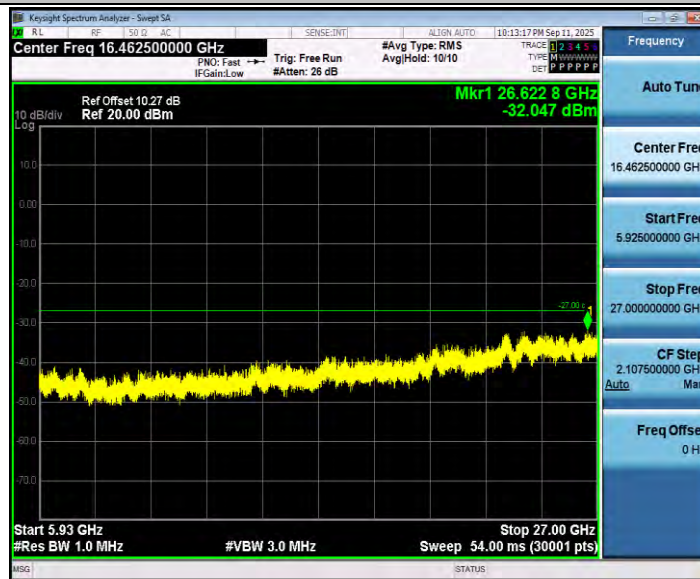
11N40SISO_Ant1_5755_5925~27000



11N40SISO_Ant1_5795_30~5650



11N40SISO_Ant1_5795_5925~27000



11AC20SISO_Ant1_5745_30~5650



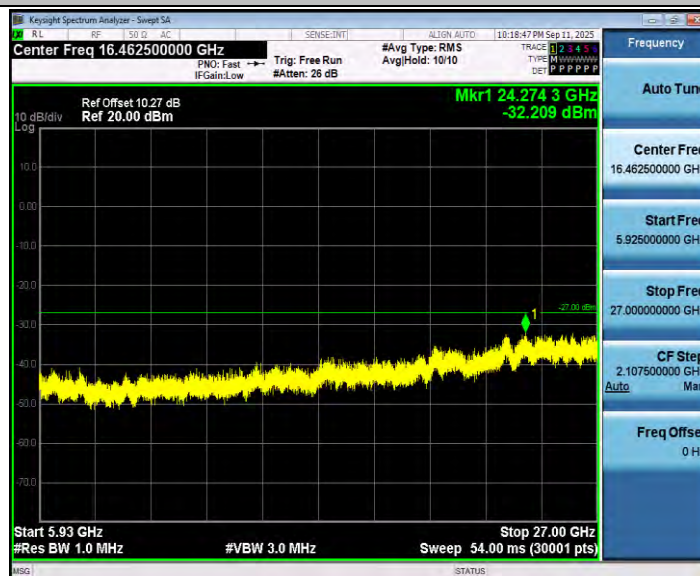
11AC20SISO_Ant1_5745_5925~27000



11AC20SISO_Ant1_5785_30~5650



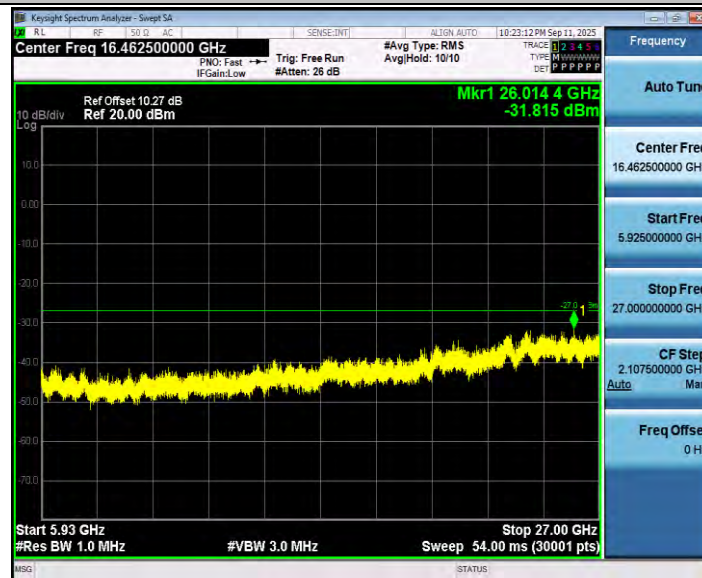
11AC20SISO_Ant1_5785_5925~27000



11AC20SISO_Ant1_5825_30~5650



11AC20SISO_Ant1_5825_5925~27000



11AC40SISO_Ant1_5755_30~5650



11AC40SISO_Ant1_5755_5925~27000



11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~27000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~27000

