

Case No. : <u>GTS20250409003-5-04</u>	
Ambient Condition: <u>22</u> °C, <u>51</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2025.5.21</u>	Test Engineer: <u>Evan ouyang</u>

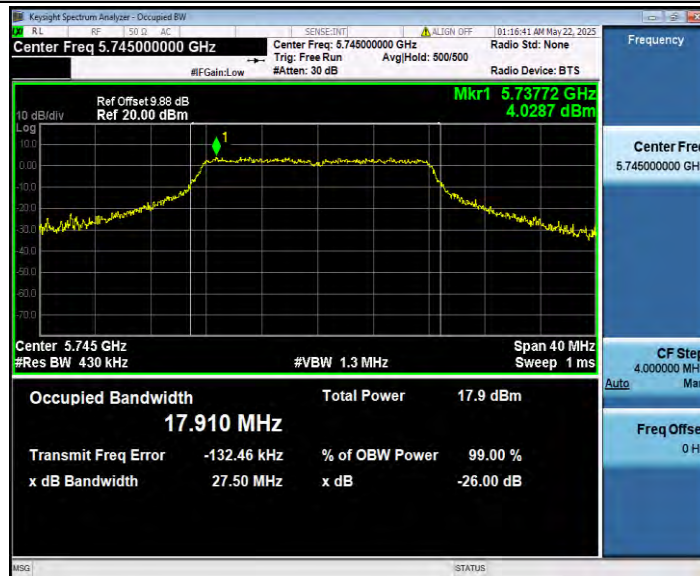
Appendix E.1: Occupied channel bandwidth

Test Result

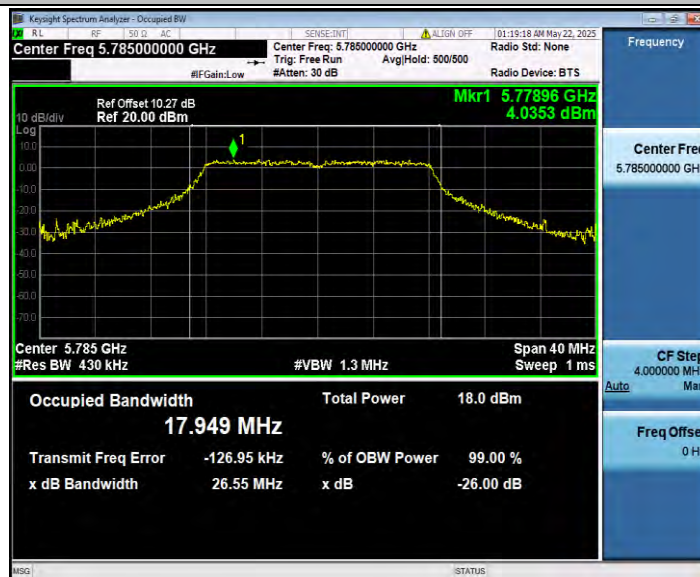
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.910	5735.9125	5753.8225	---	---
		5785	17.949	5775.8986	5793.8476	---	---
		5825	17.822	5816.0672	5833.8892	---	---
11N20SISO	Ant1	5745	19.136	5735.3387	5754.4747	---	---
		5785	19.010	5775.4734	5794.4834	---	---
		5825	18.980	5815.5925	5834.5725	---	---
11N40SISO	Ant1	5755	37.792	5736.0729	5773.8649	---	---
		5795	37.803	5776.0918	5813.8948	---	---
11AC20SISO	Ant1	5745	19.088	5735.3956	5754.4836	---	---
		5785	19.047	5775.4656	5794.5126	---	---
		5825	18.972	5815.5786	5834.5506	---	---
11AC40SISO	Ant1	5755	37.924	5735.9756	5773.8996	---	---
		5795	37.750	5776.0918	5813.8418	---	---
11AX20SISO	Ant1	5745	19.596	5735.1497	5754.7457	---	---
		5785	19.605	5775.2167	5794.8217	---	---
		5825	19.631	5815.2234	5834.8544	---	---
11AX40SISO	Ant1	5755	38.608	5735.6319	5774.2399	---	---
		5795	38.519	5775.7238	5814.2428	---	---

Test Graphs

11A_Ant1_5745



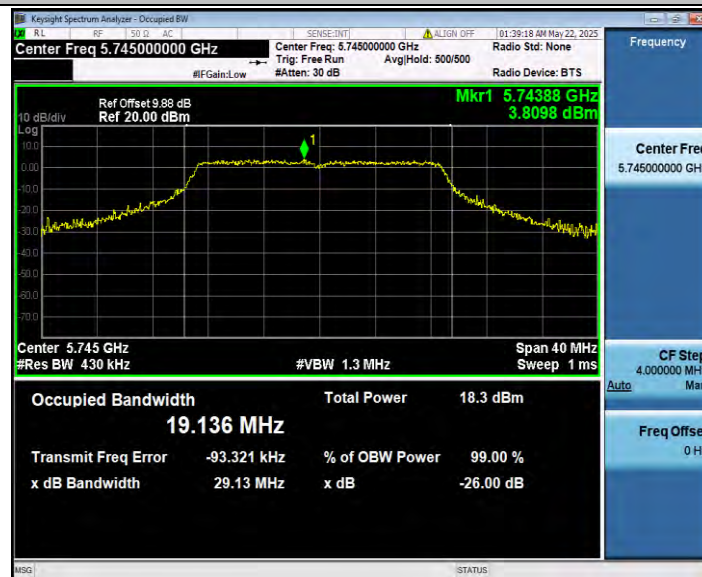
11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



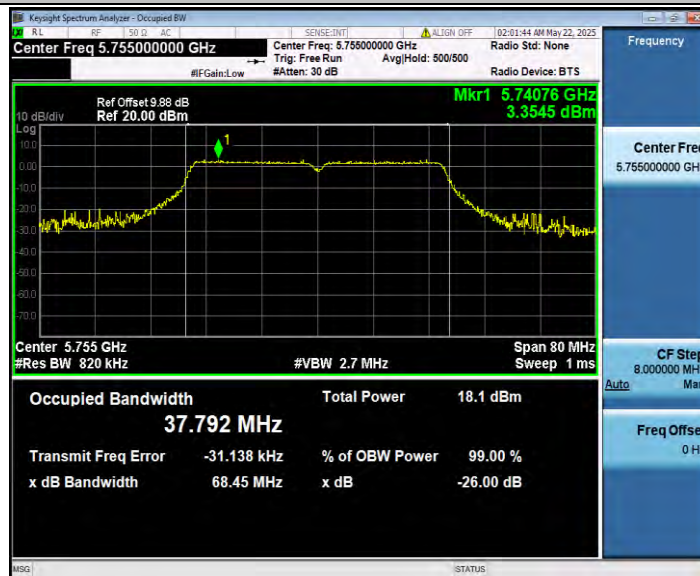
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



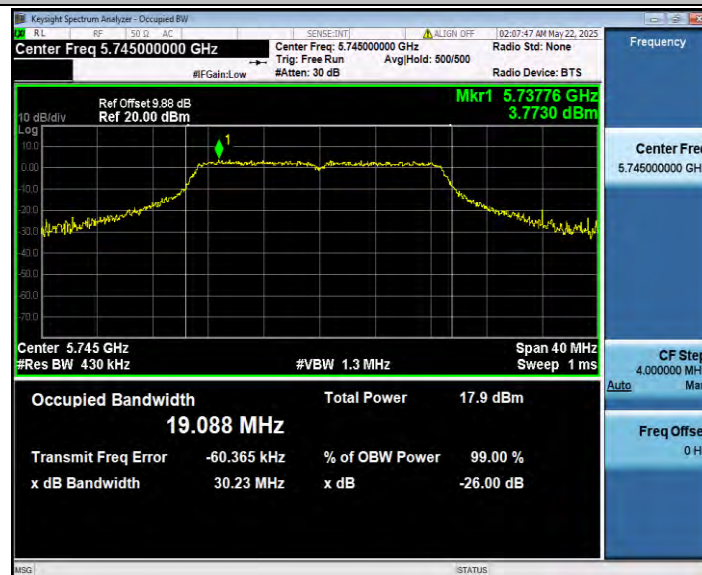
11N40SISO_Ant1_5755



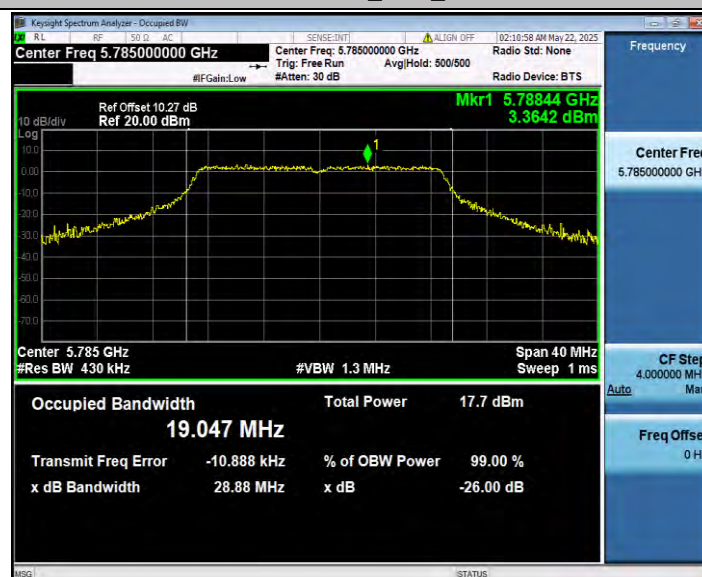
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



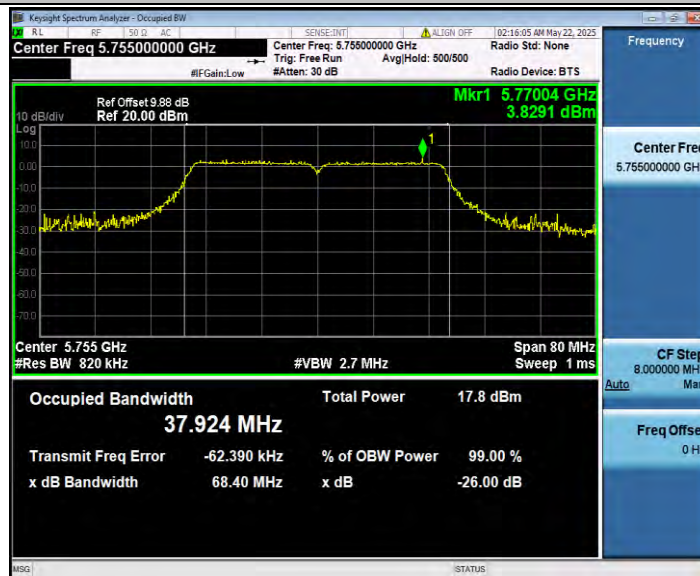
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



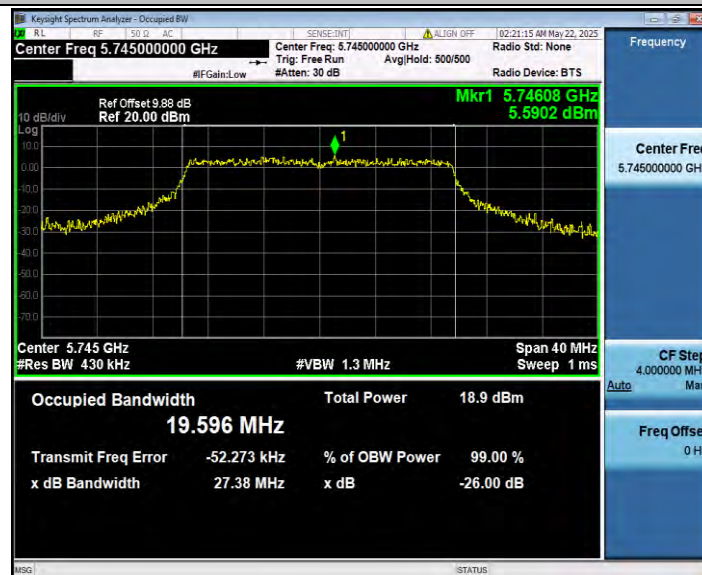
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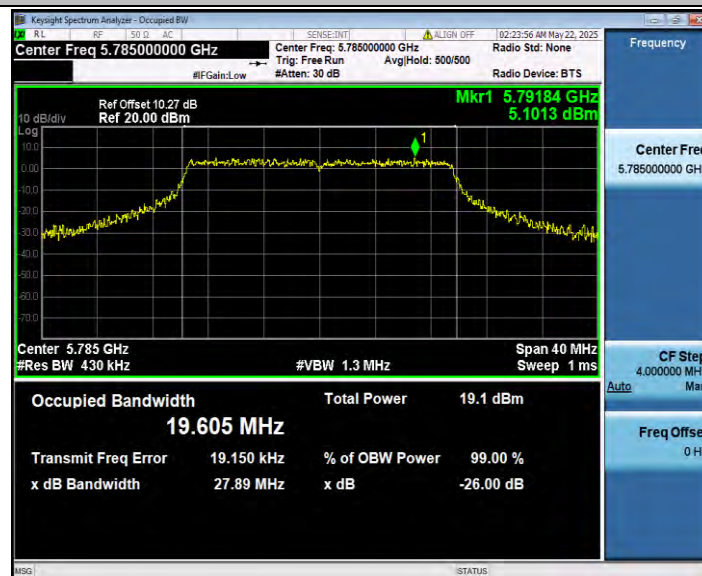
11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



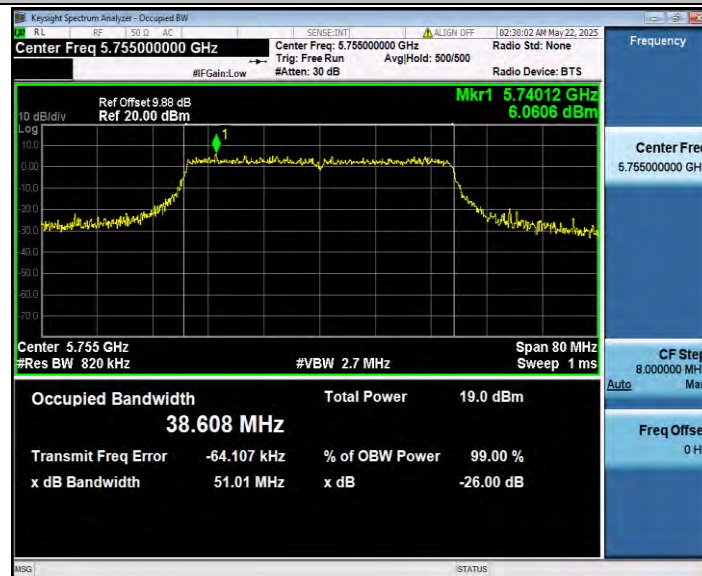
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



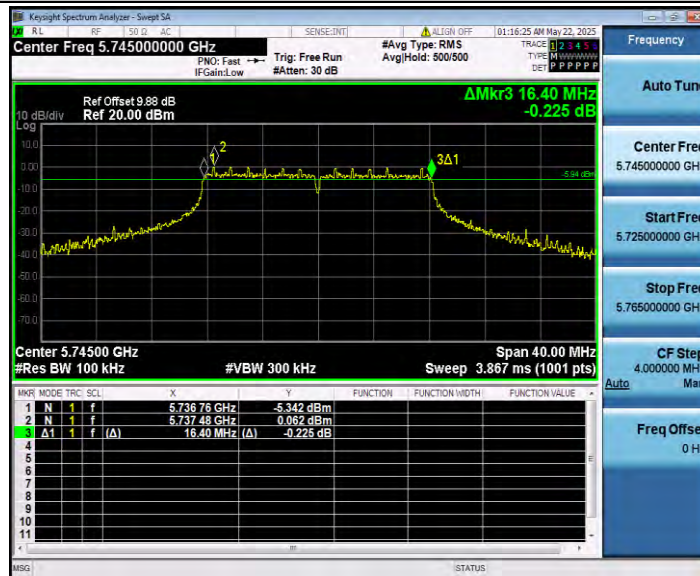
Appendix E.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.400	5736.760	5753.160	0.5	PASS
		5785	16.400	5776.800	5793.200	0.5	PASS
		5825	16.360	5816.840	5833.200	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.200	5753.800	0.5	PASS
		5785	17.600	5776.200	5793.800	0.5	PASS
		5825	17.600	5816.200	5833.800	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.600	5736.200	5753.800	0.5	PASS
		5785	17.600	5776.200	5793.800	0.5	PASS
		5825	17.600	5816.200	5833.800	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AX20SISO	Ant1	5745	19.000	5735.480	5754.480	0.5	PASS
		5785	19.000	5775.480	5794.480	0.5	PASS
		5825	18.960	5815.520	5834.480	0.5	PASS
11AX40SISO	Ant1	5755	37.920	5736.040	5773.960	0.5	PASS
		5795	38.160	5775.880	5814.040	0.5	PASS

Test Graphs B4

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



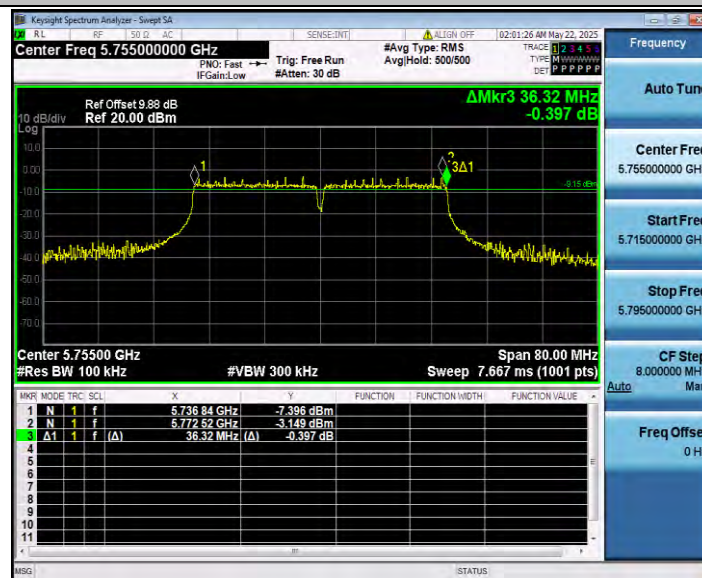
11N20SISO_Ant1_5785



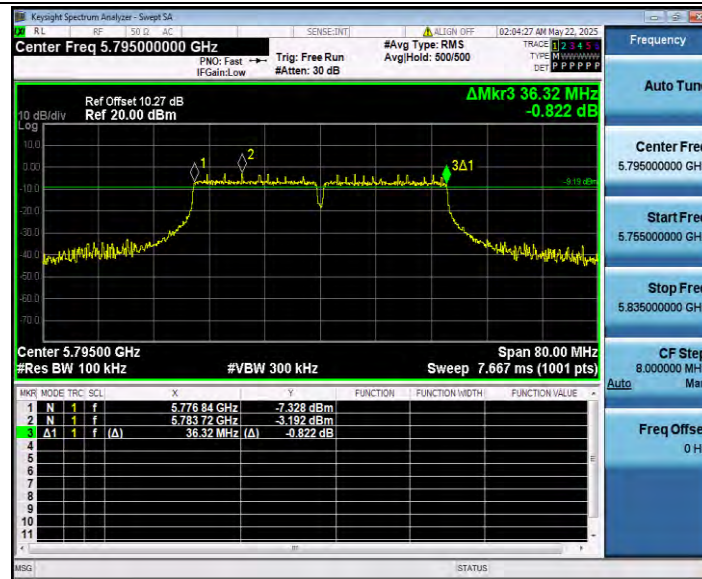
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



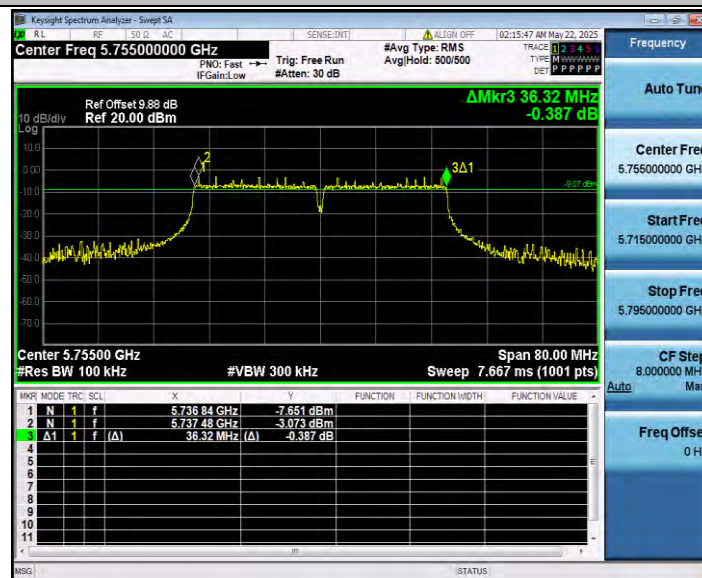
11AC20SISO_Ant1_5785



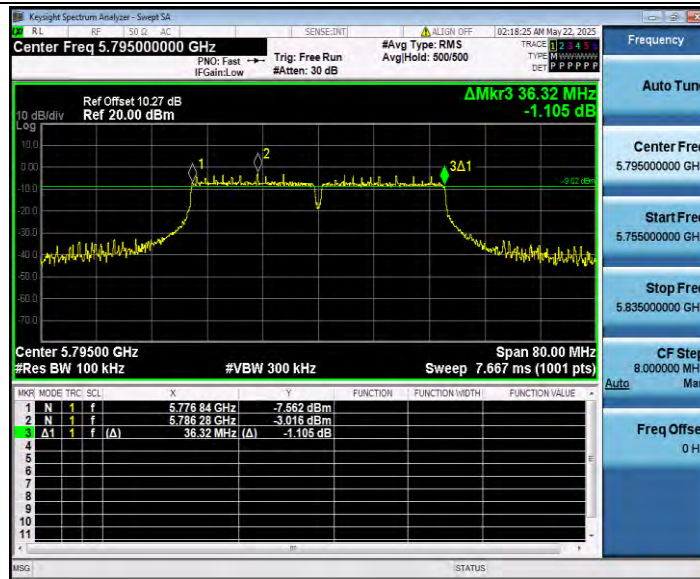
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11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



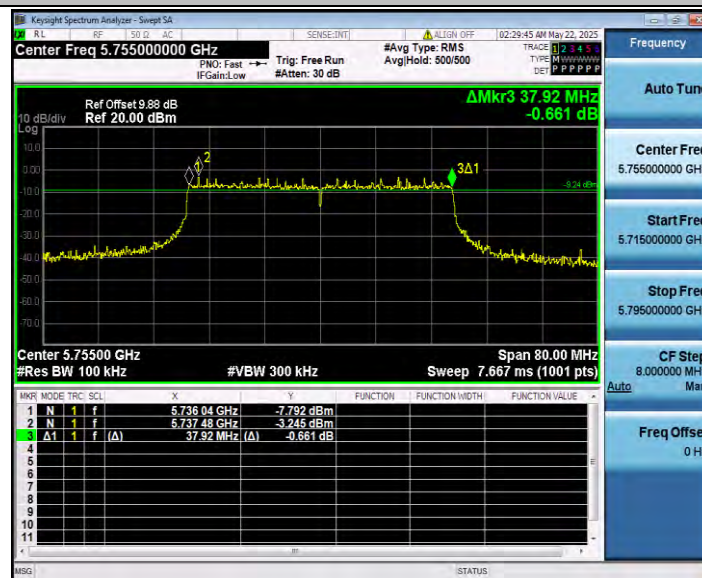
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

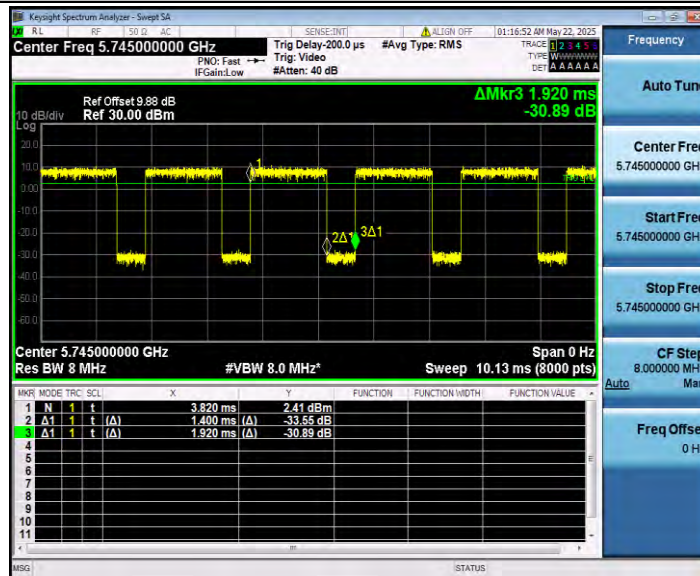
Appendix E.3: Duty Cycle

Test Result

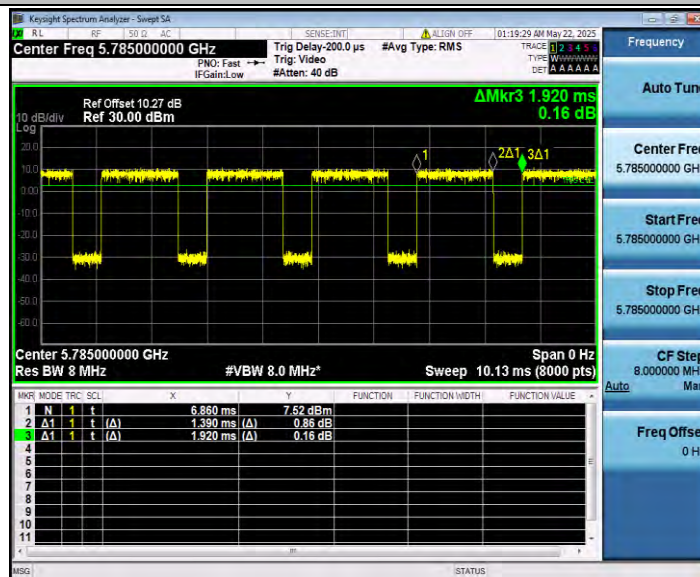
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	1.40	1.92	72.92	1.37	0.71
		5785	1.39	1.92	72.40	1.40	0.72
		5825	1.40	1.92	72.92	1.37	0.71
11N20SISO	Ant1	5745	5.09	5.60	90.89	0.41	0.20
		5785	5.09	5.60	90.89	0.41	0.20
		5825	5.09	5.61	90.73	0.42	0.20
11N40SISO	Ant1	5755	4.90	5.42	90.41	0.44	0.20
		5795	4.90	5.42	90.41	0.44	0.20
11AC20SISO	Ant1	5745	5.09	5.61	90.73	0.42	0.20
		5785	5.10	5.61	90.91	0.41	0.20
		5825	5.10	5.62	90.75	0.42	0.20
11AC40SISO	Ant1	5755	4.90	5.42	90.41	0.44	0.20
		5795	4.90	5.43	90.24	0.45	0.20
11AX20SISO	Ant1	5745	3.87	4.40	87.95	0.56	0.26
		5785	3.88	4.39	88.38	0.54	0.26
		5825	3.88	4.40	88.18	0.55	0.26
11AX40SISO	Ant1	5755	3.87	4.39	88.15	0.55	0.26
		5795	3.87	4.39	88.15	0.55	0.26

Test Graphs

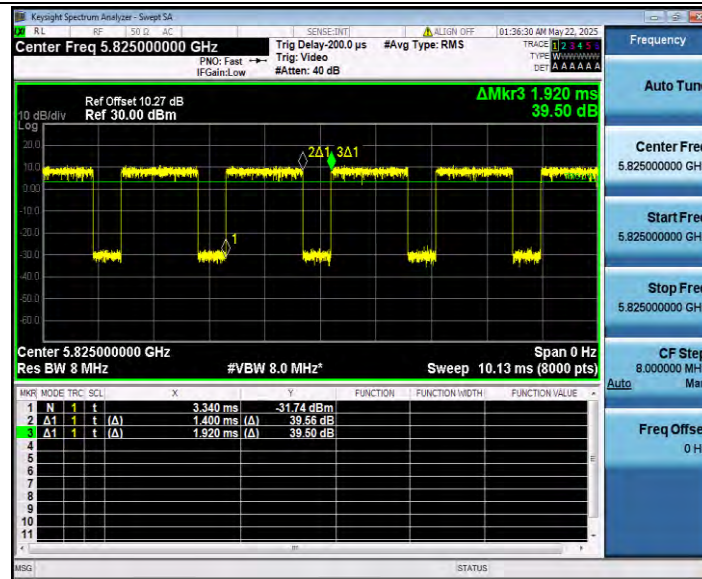
11A_Ant1_5745



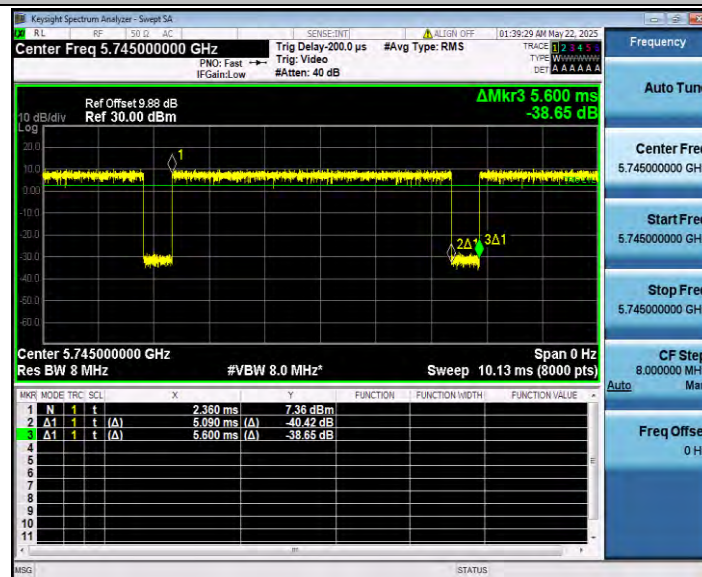
11A_Ant1_5785



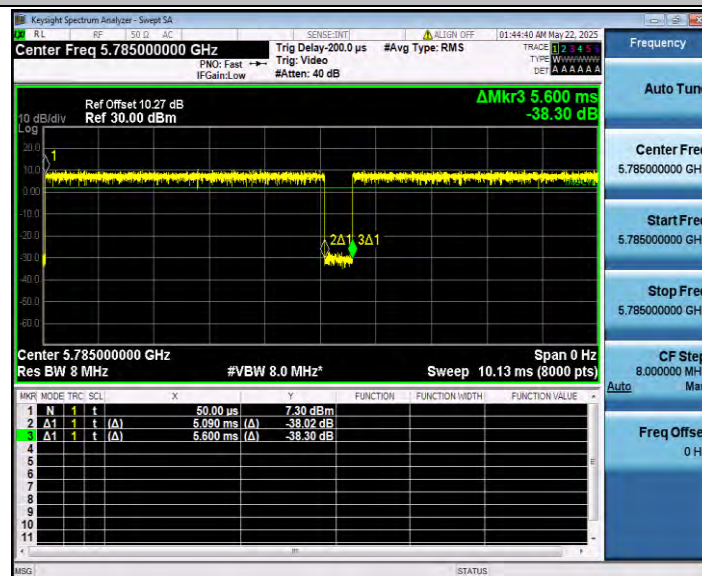
11A_Ant1_5825



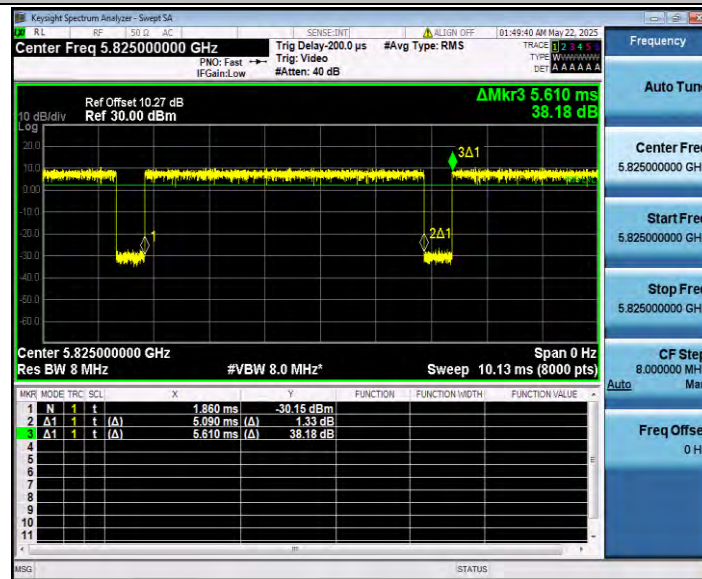
11N20SISO_Ant1_5745



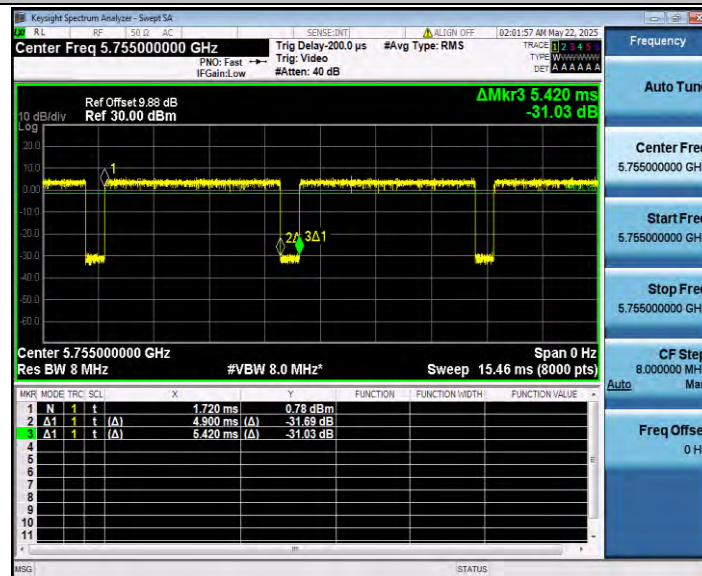
11N20SISO_Ant1_5785



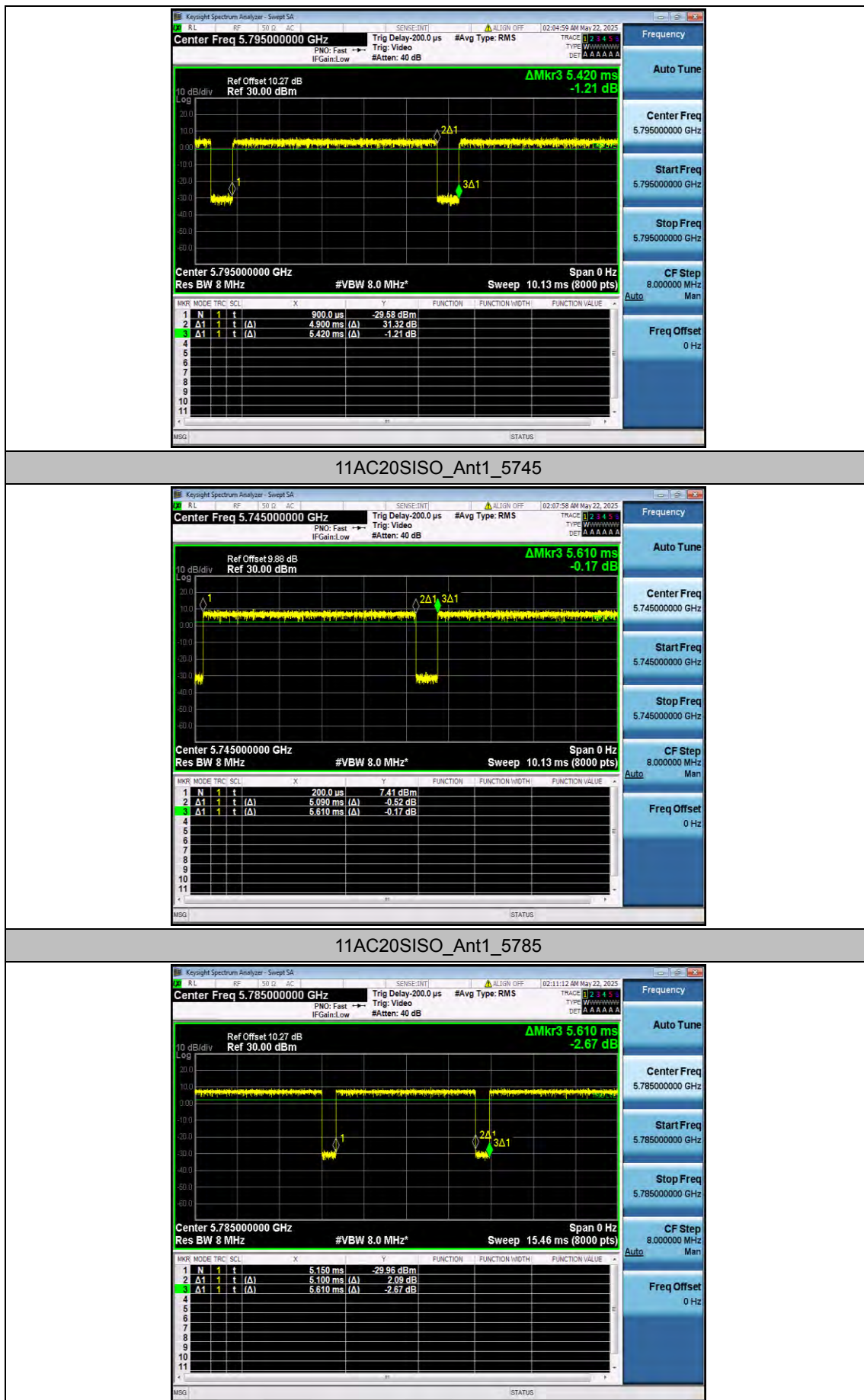
11N20SISO_Ant1_5825



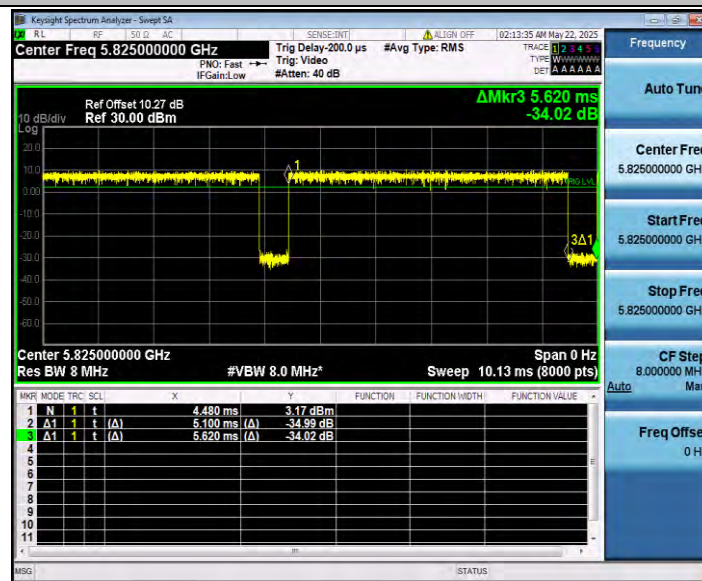
11N40SISO_Ant1_5755



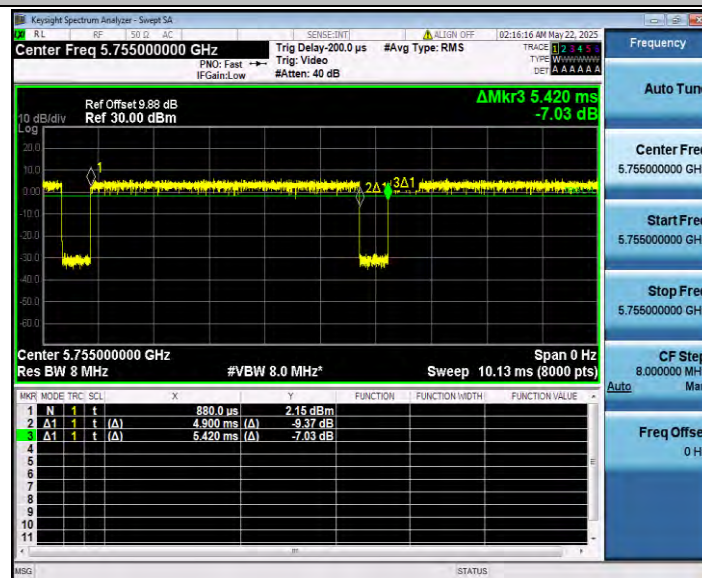
11N40SISO_Ant1_5795



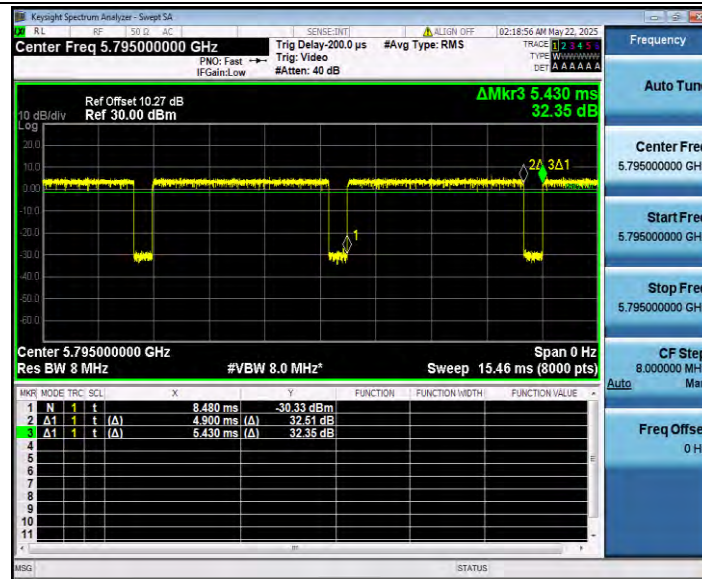
11AC20SISO_Ant1_5825



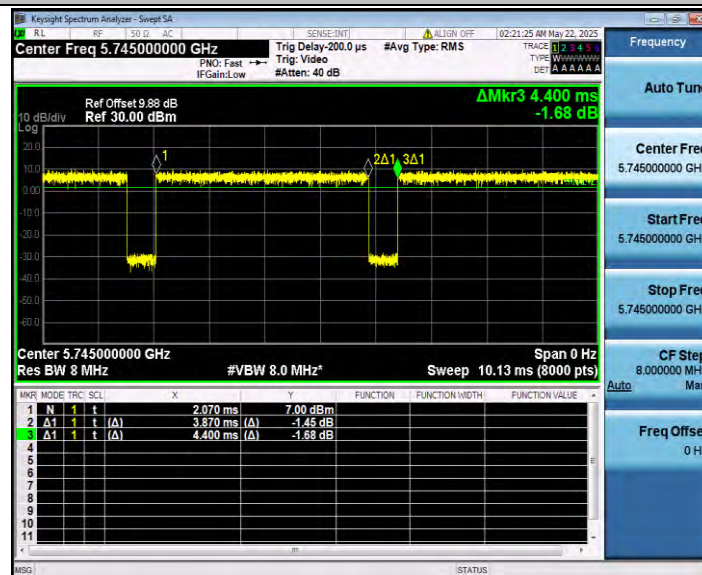
11AC40SISO_Ant1_5755



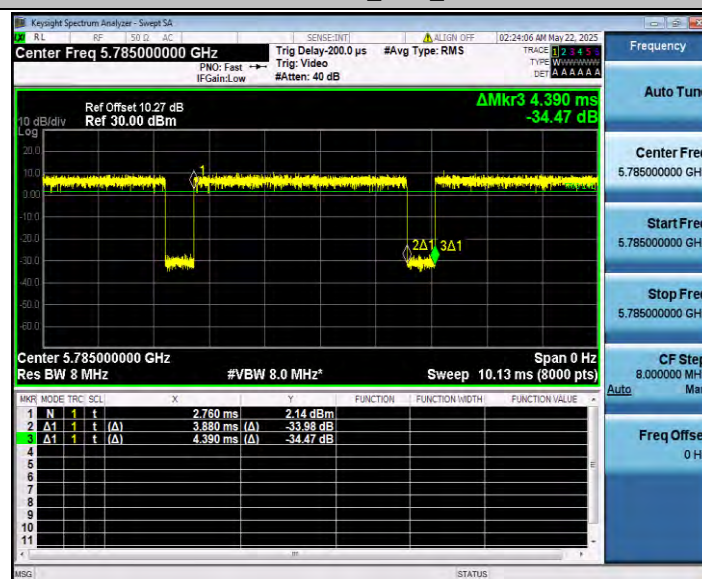
11AC40SISO_Ant1_5795

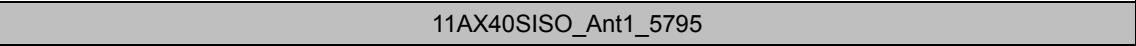
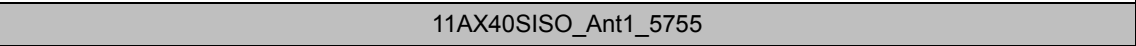


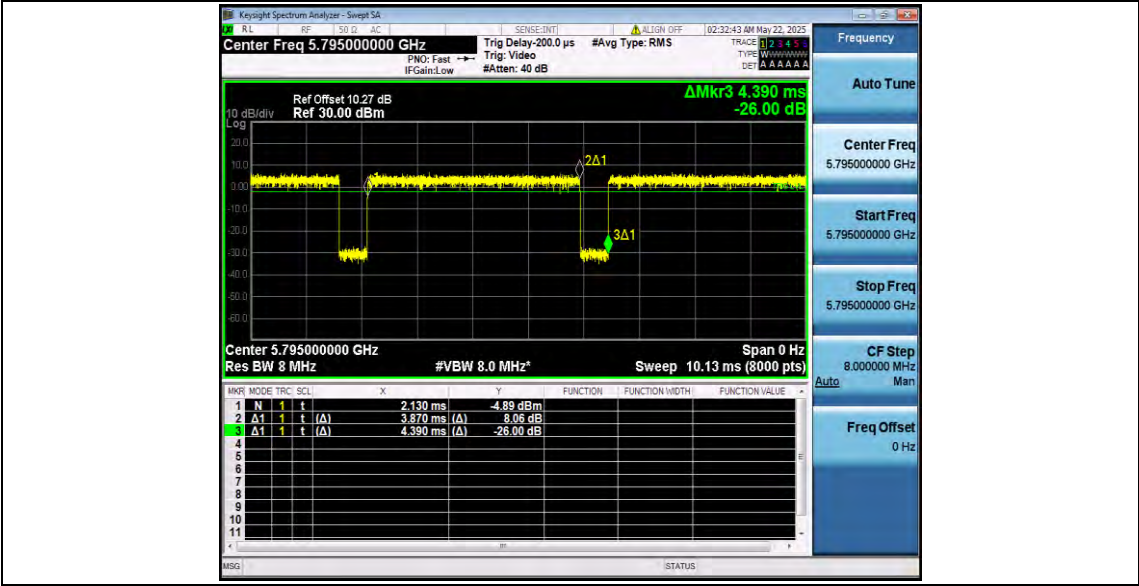
11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785







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	9.84	72.92	1.37	11.21	≤30.00	PASS
		5785	9.96	72.40	1.40	11.36	≤30.00	PASS
		5825	10.64	72.92	1.37	12.01	≤30.00	PASS
11N20SISO	Ant1	5745	10.53	90.89	0.41	10.94	≤30.00	PASS
		5785	10.54	90.89	0.41	10.95	≤30.00	PASS
		5825	10.85	90.73	0.42	11.27	≤30.00	PASS
11N40SISO	Ant1	5755	10.35	90.41	0.44	10.79	≤30.00	PASS
		5795	10.37	90.41	0.44	10.81	≤30.00	PASS
11AC20SISO	Ant1	5745	10.69	90.73	0.42	11.11	≤30.00	PASS
		5785	10.49	90.91	0.41	10.90	≤30.00	PASS
		5825	10.74	90.75	0.42	11.16	≤30.00	PASS
11AC40SISO	Ant1	5755	10.04	90.41	0.44	10.48	≤30.00	PASS
		5795	9.91	90.24	0.45	10.36	≤30.00	PASS
11AX20SISO	Ant1	5745	10.10	87.95	0.56	10.66	≤30.00	PASS
		5785	10.22	88.38	0.54	10.76	≤30.00	PASS
		5825	10.32	88.18	0.55	10.87	≤30.00	PASS
11AX40SISO	Ant1	5755	9.63	88.15	0.55	10.18	≤30.00	PASS
		5795	9.63	88.15	0.55	10.18	≤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	-2.02	≤30.00	PASS
		5785	-2.03	≤30.00	PASS
		5825	-1.59	≤30.00	PASS
11N20SISO	Ant1	5745	-3.31	≤30.00	PASS
		5785	-3.47	≤30.00	PASS
		5825	-3.13	≤30.00	PASS
11N40SISO	Ant1	5755	-6.39	≤30.00	PASS
		5795	-6.47	≤30.00	PASS
11AC20SISO	Ant1	5745	-3.41	≤30.00	PASS
		5785	-3.62	≤30.00	PASS
		5825	-3.19	≤30.00	PASS
11AC40SISO	Ant1	5755	-6.72	≤30.00	PASS
		5795	-6.91	≤30.00	PASS
11AX20SISO	Ant1	5745	-4.07	≤30.00	PASS
		5785	-4.22	≤30.00	PASS
		5825	-3.78	≤30.00	PASS
11AX40SISO	Ant1	5755	-7.17	≤30.00	PASS
		5795	-7.35	≤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

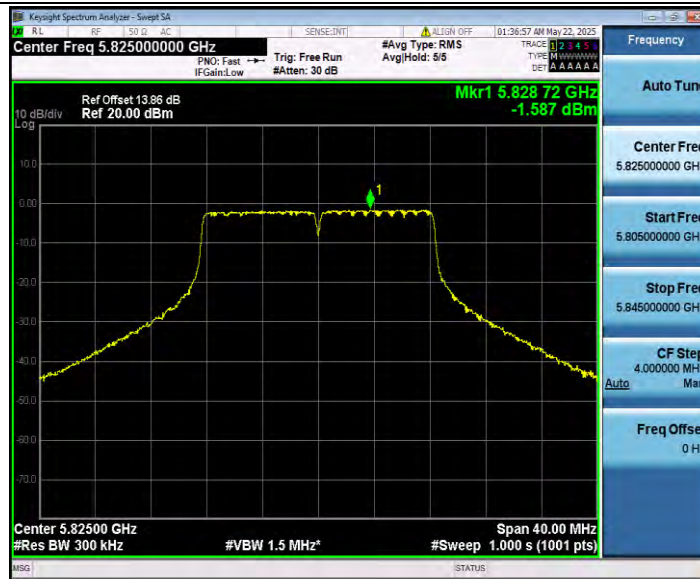
11A_Ant1_5745



11A_Ant1_5785



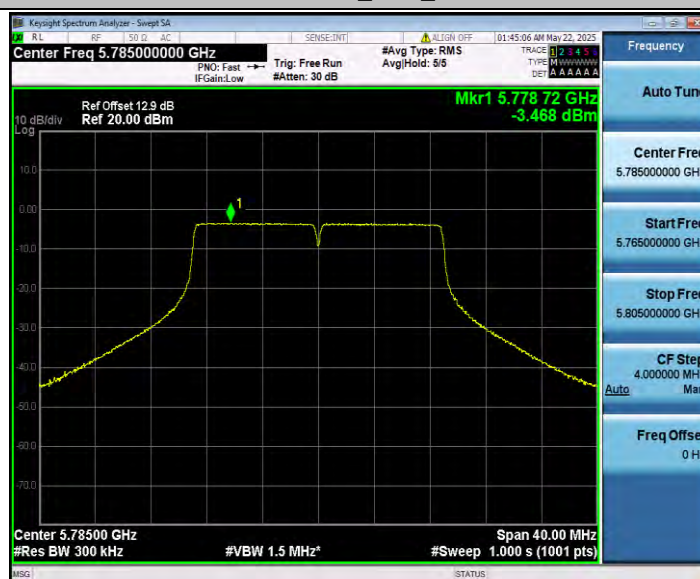
11A_Ant1_5825



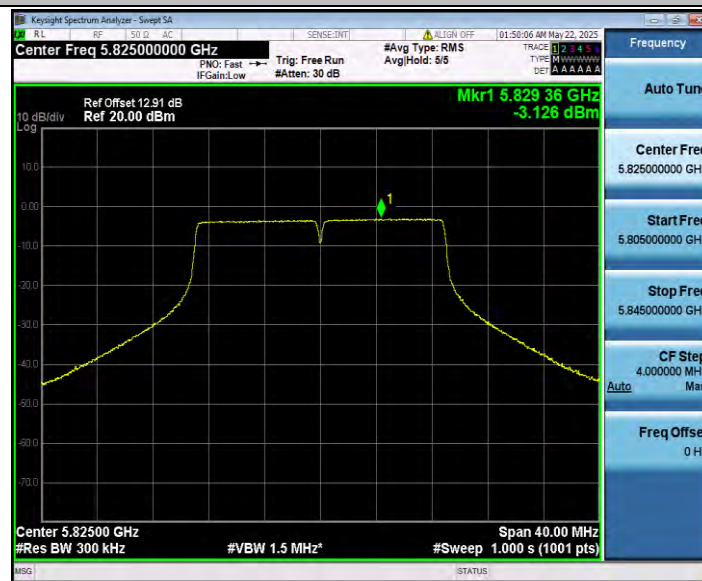
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



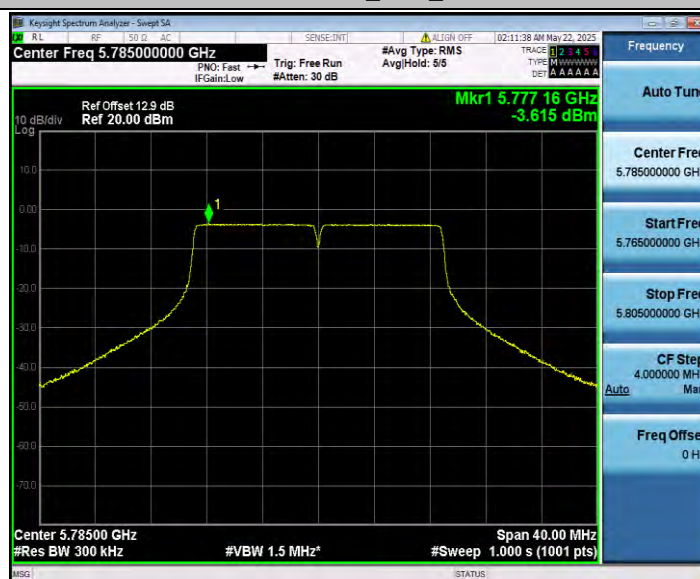
11N40SISO_Ant1_5795



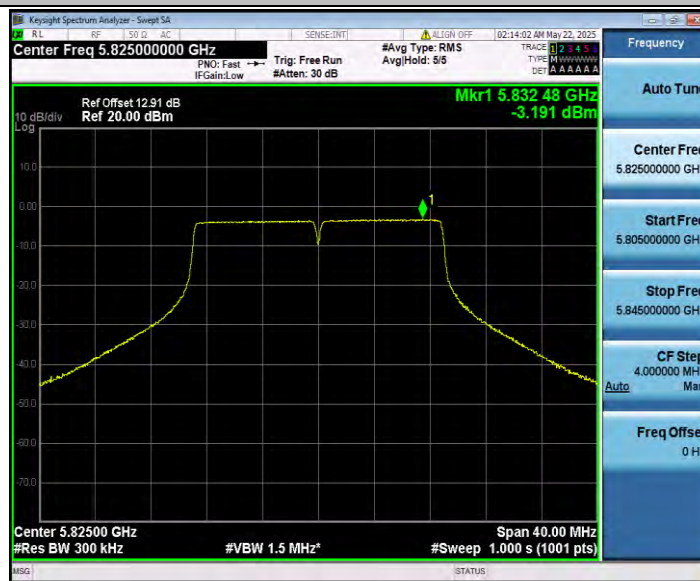
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11AC20SISO_Ant1_5785



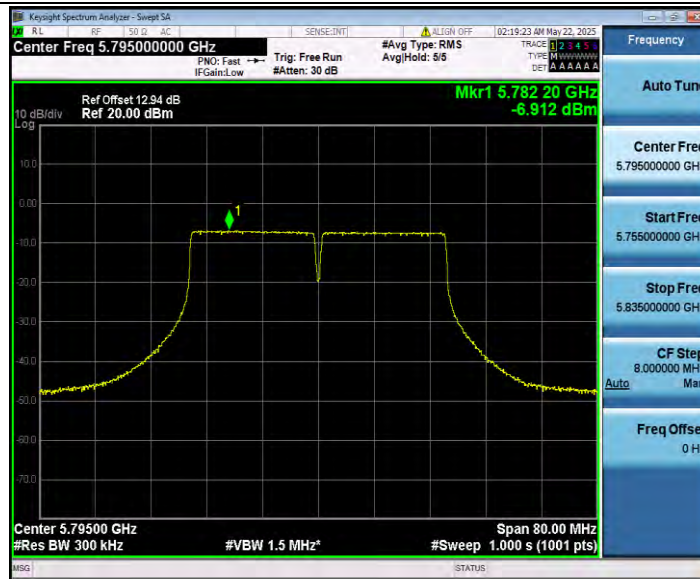
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



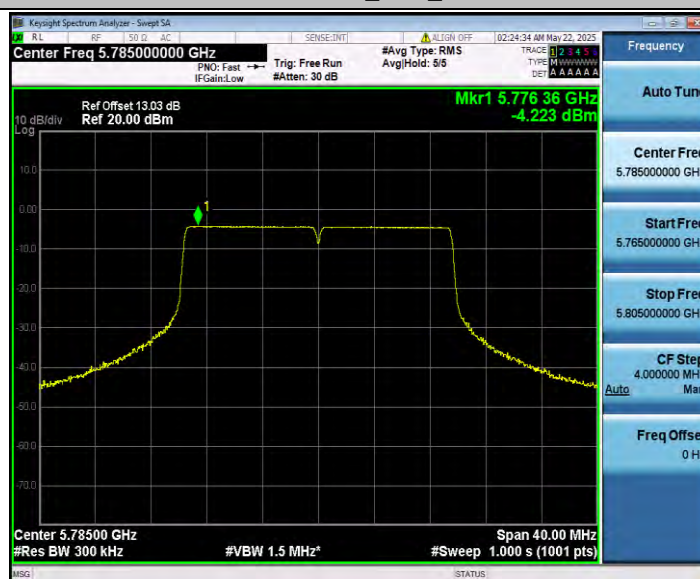
11AC40SISO_Ant1_5795



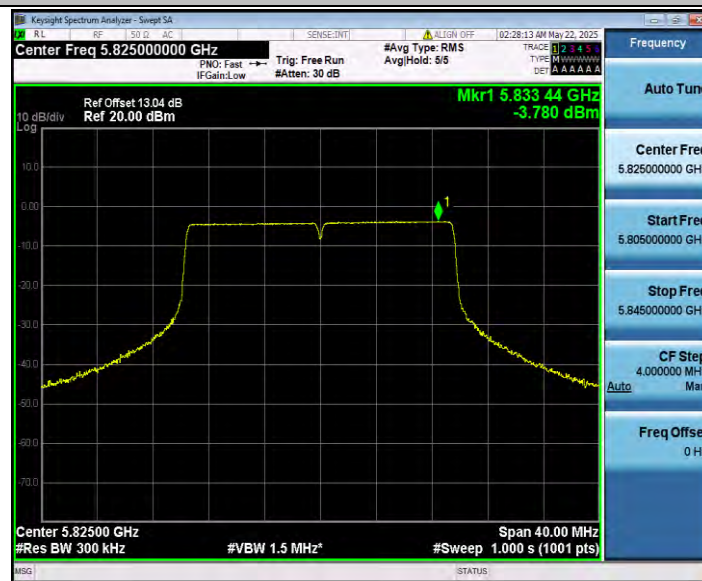
11AX20SISO_Ant1_5745



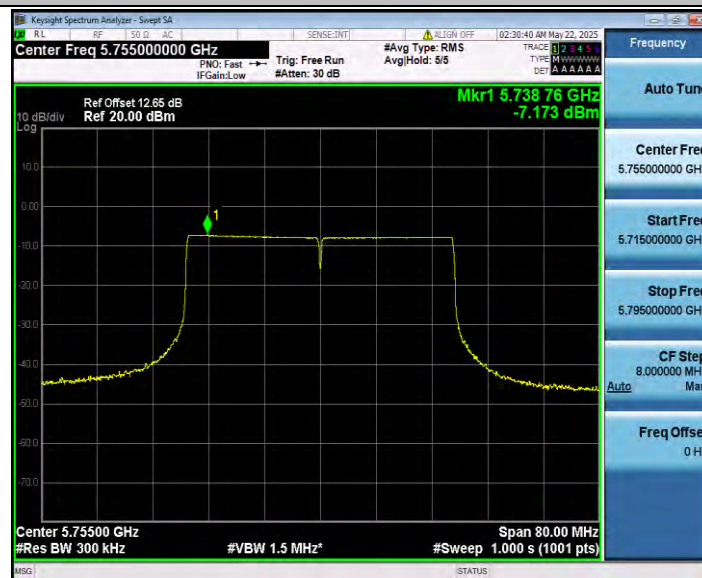
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

