

Case No. : <u>GTS20250919018-2-12</u>
Ambient Condition: <u>22</u> °C, <u>49</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2025.9.30-2025.10.21</u> Test Engineer: <u>Evan ouyang</u>

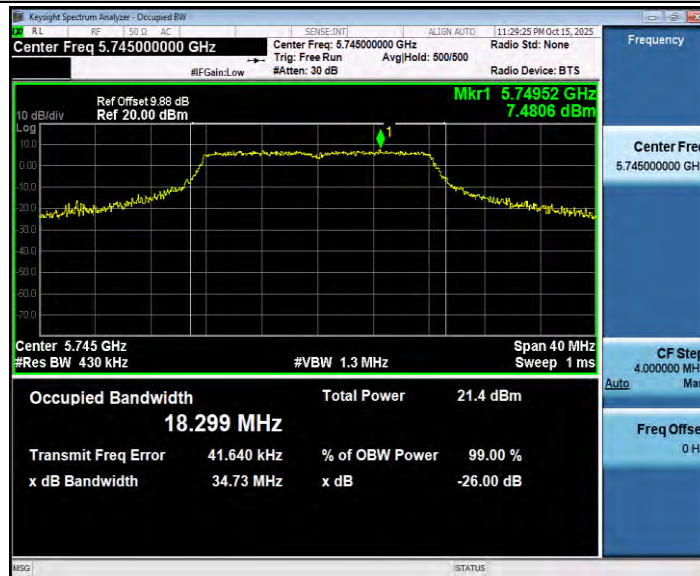
Appendix E.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	18.299	5735.8921	5754.1911	---	---
		5785	18.370	5775.7352	5794.1052	---	---
		5825	18.408	5815.6898	5834.0978	---	---
11N20SISO	Ant1	5745	19.502	5735.1996	5754.7016	---	---
		5785	19.346	5775.2872	5794.6332	---	---
		5825	19.363	5815.2268	5834.5898	---	---
11N40SISO	Ant1	5755	38.221	5735.9831	5774.2041	---	---
		5795	38.189	5775.9134	5814.1024	---	---
11AC20SISO	Ant1	5745	19.449	5735.3627	5754.8117	---	---
		5785	19.366	5775.3127	5794.6787	---	---
		5825	19.280	5815.3350	5834.6150	---	---
11AC40SISO	Ant1	5755	38.527	5735.8512	5774.3782	---	---
		5795	38.209	5776.0030	5814.2120	---	---
11AX20SISO	Ant1	5745	19.700	5735.1836	5754.8836	---	---
		5785	19.718	5775.1589	5794.8769	---	---
		5825	19.785	5815.0910	5834.8760	---	---
11AX40SISO	Ant1	5755	38.756	5735.7089	5774.4649	---	---
		5795	38.717	5775.6617	5814.3787	---	---

Test Graphs

11A_Ant1_5745



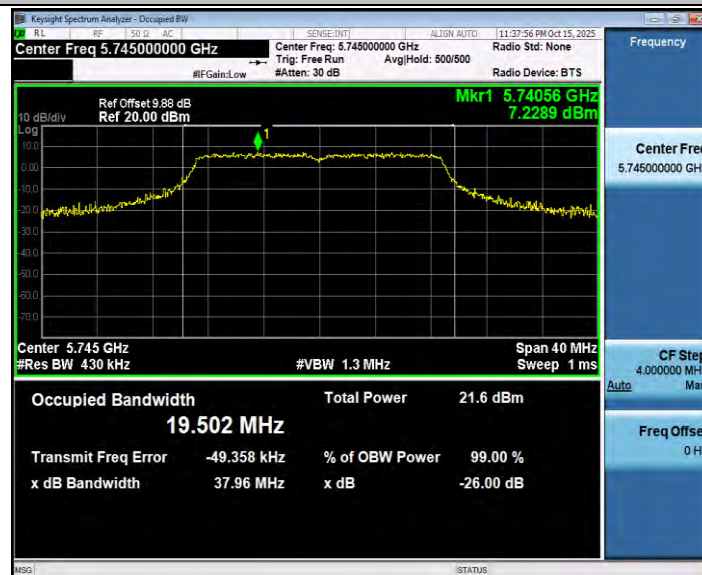
11A_Ant1_5785



11A_Ant1_5825



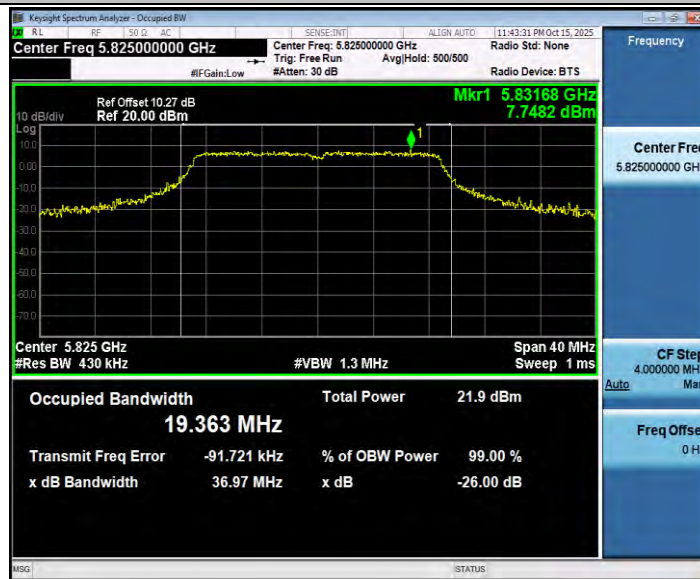
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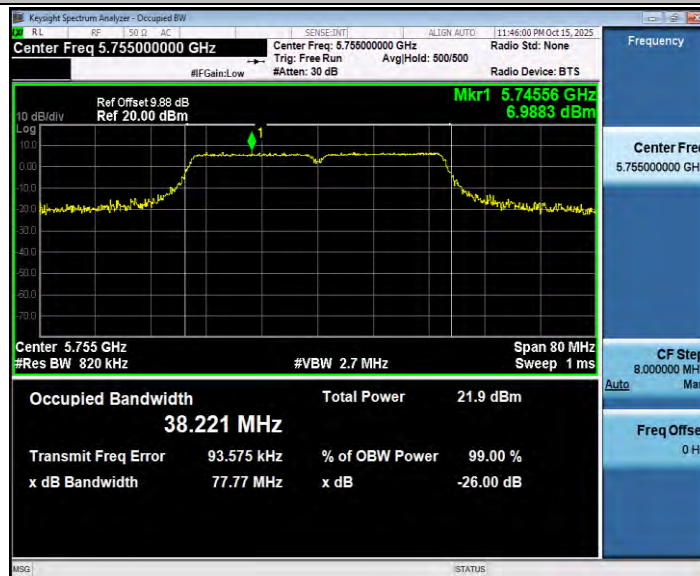
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



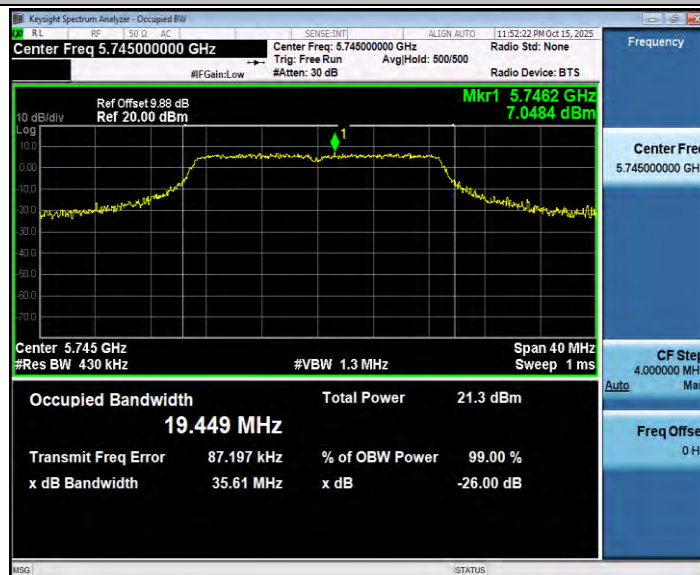
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



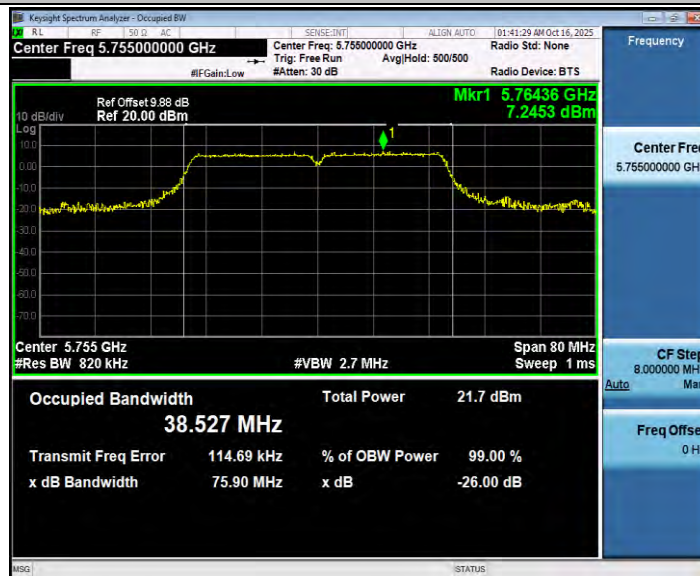
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



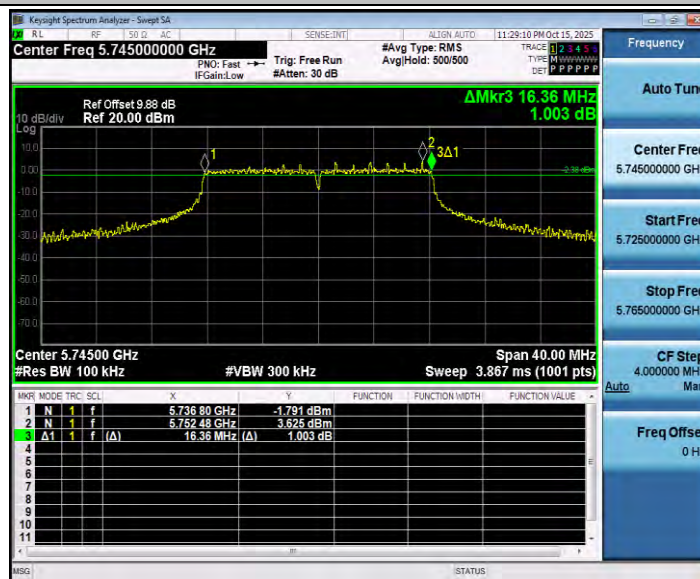
Appendix E.2: Min emission bandwidth

Test Result B4

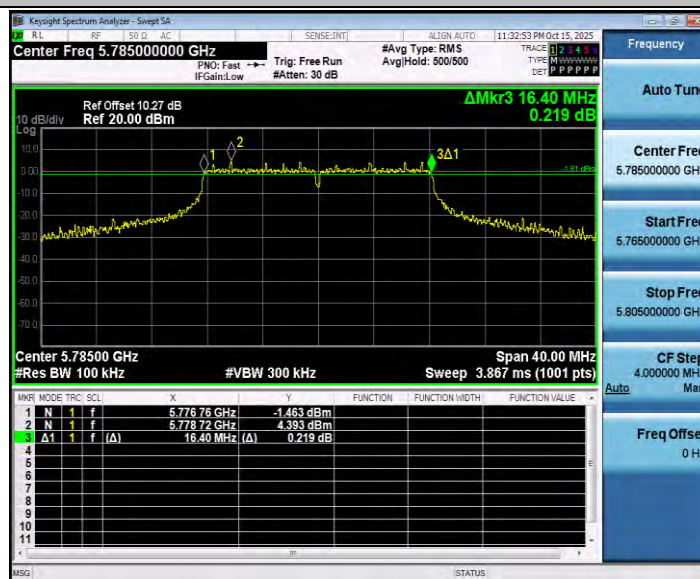
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.360	5736.800	5753.160	0.5	PASS
		5785	16.400	5776.760	5793.160	0.5	PASS
		5825	16.360	5816.800	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.160	5753.760	0.5	PASS
		5785	17.600	5776.160	5793.760	0.5	PASS
		5825	17.600	5816.160	5833.760	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	17.560	5736.200	5753.760	0.5	PASS
		5785	17.600	5776.160	5793.760	0.5	PASS
		5825	17.600	5816.160	5833.760	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	19.040	5735.480	5754.520	0.5	PASS
		5785	19.000	5775.480	5794.480	0.5	PASS
		5825	19.040	5815.440	5834.480	0.5	PASS
11AX40SISO	Ant1	5755	37.920	5736.120	5774.040	0.5	PASS
		5795	38.080	5775.960	5814.040	0.5	PASS

Test Graphs B4

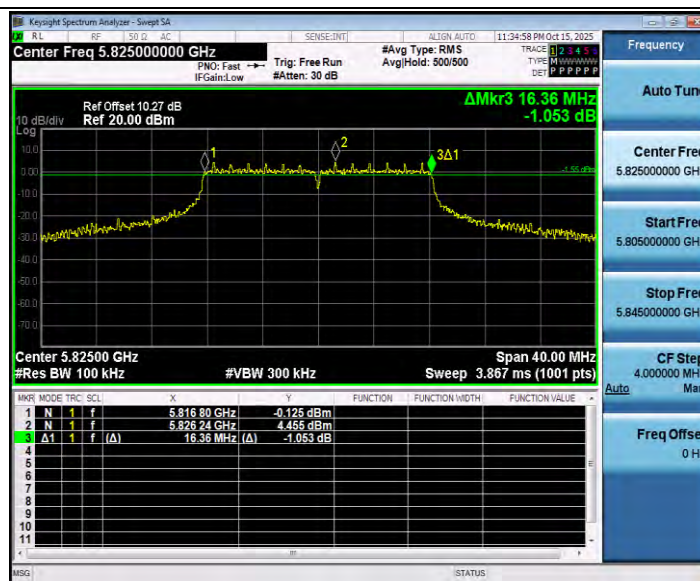
11A_Ant1_5745



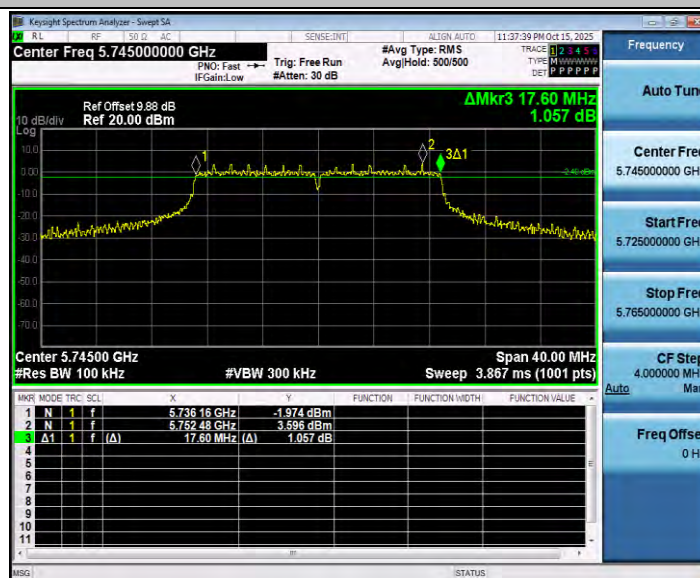
11A_Ant1_5785



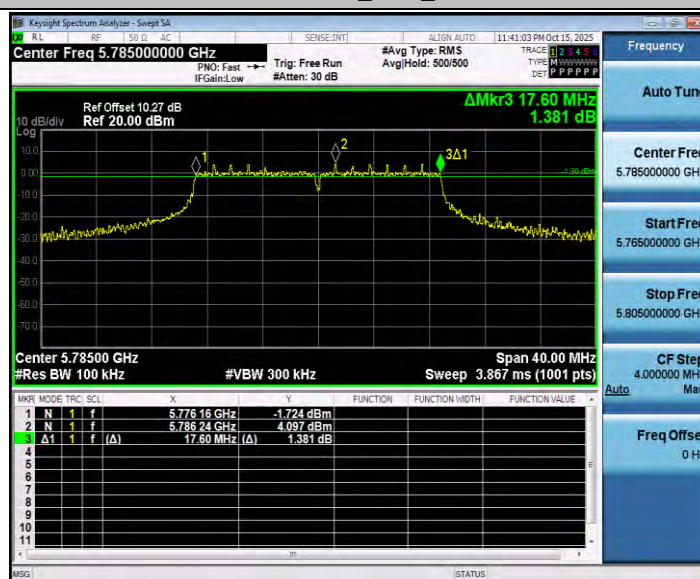
11A_Ant1_5825



11N20SISO_Ant1_5745



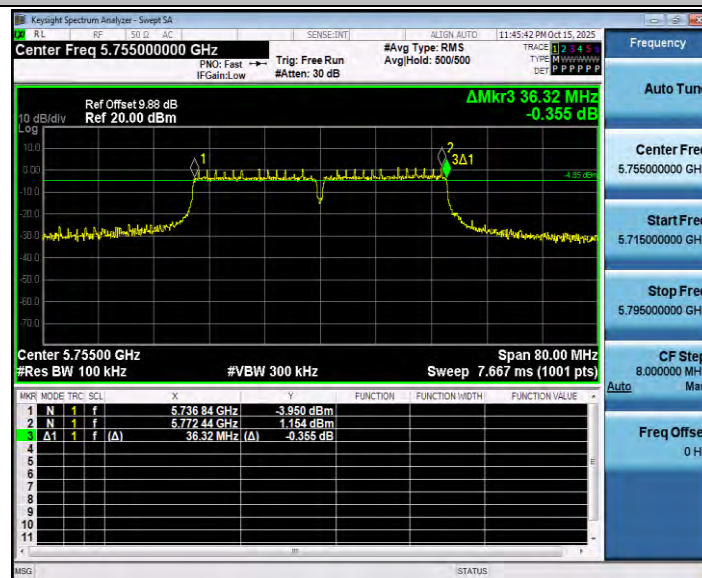
11N20SISO_Ant1_5785



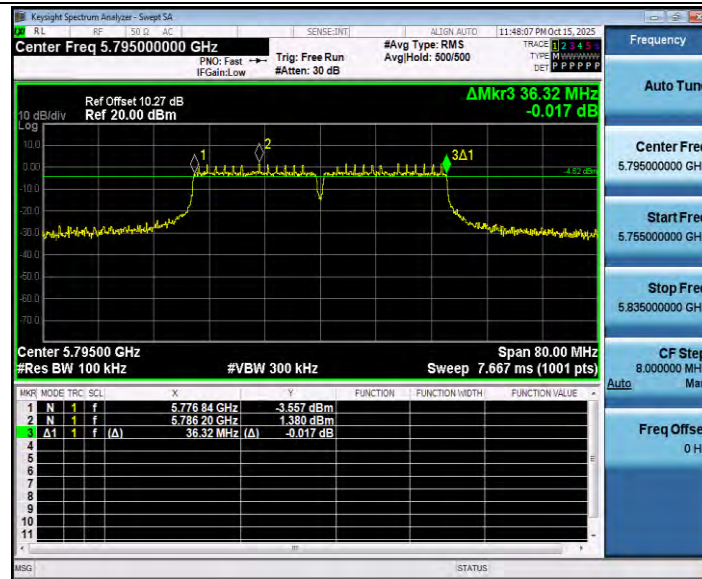
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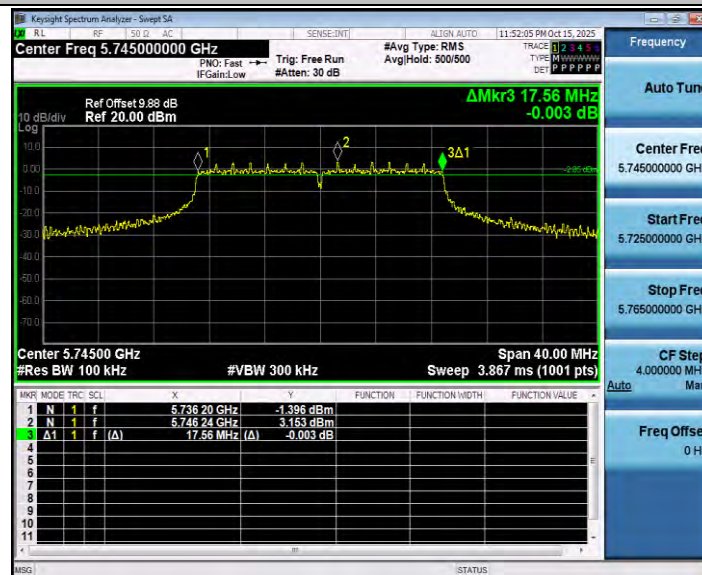
11N40SISO_Ant1_5755



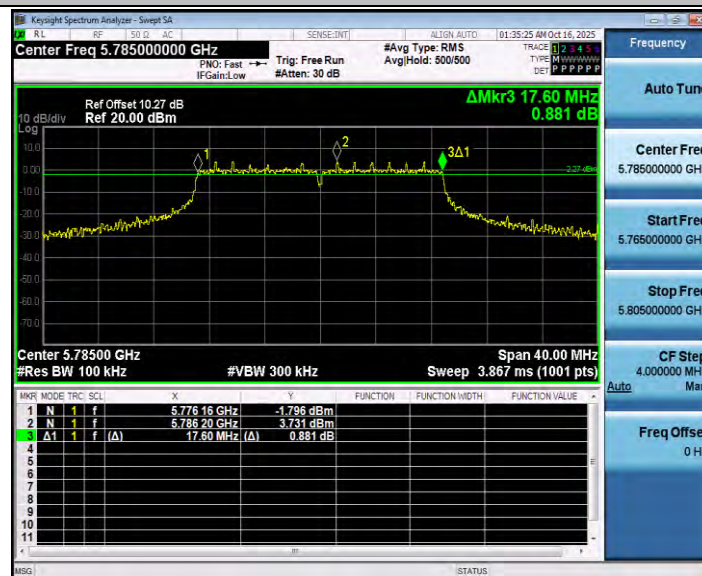
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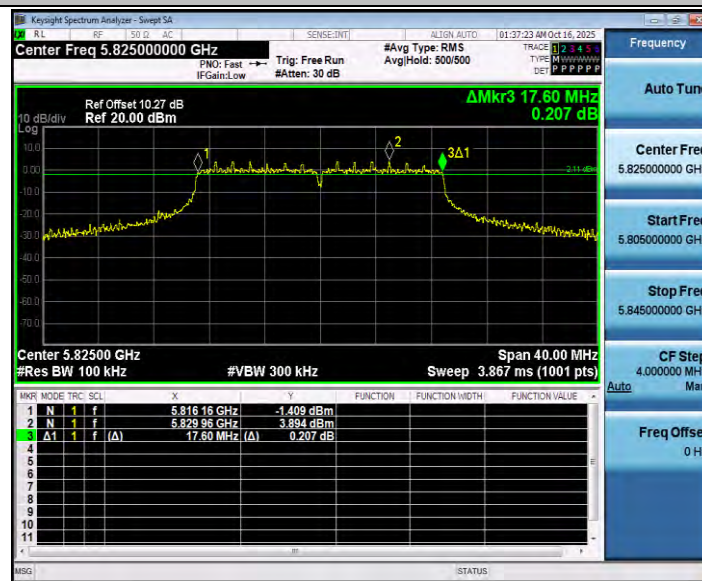
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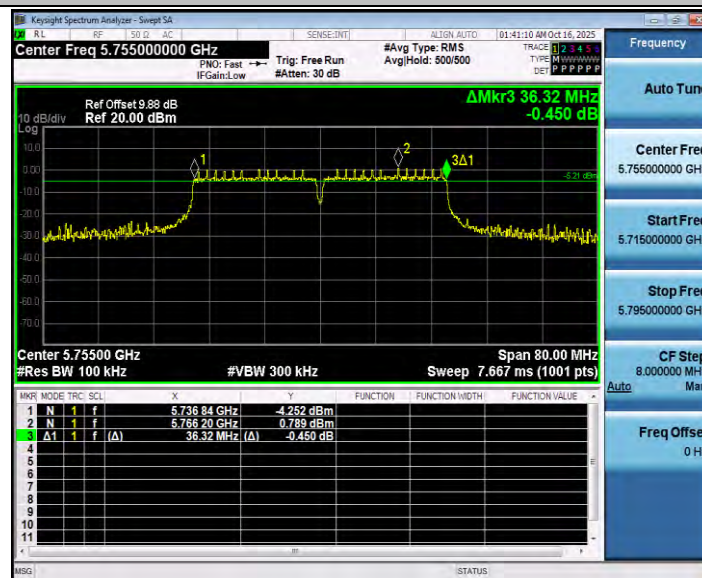
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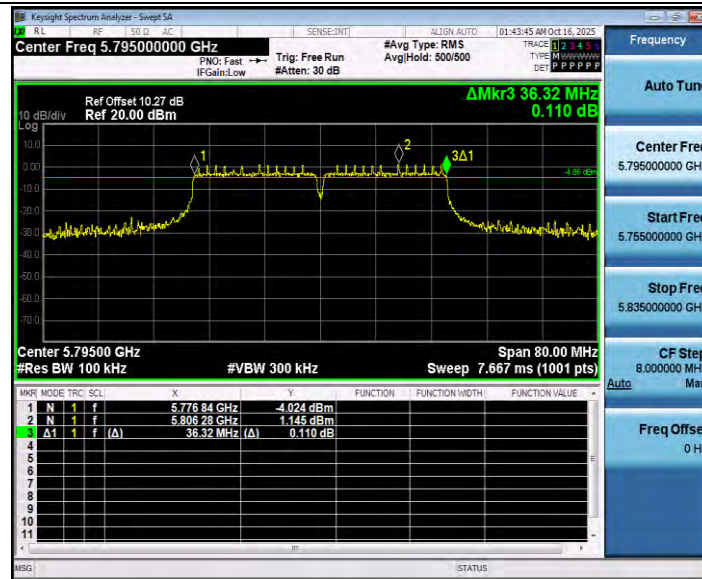
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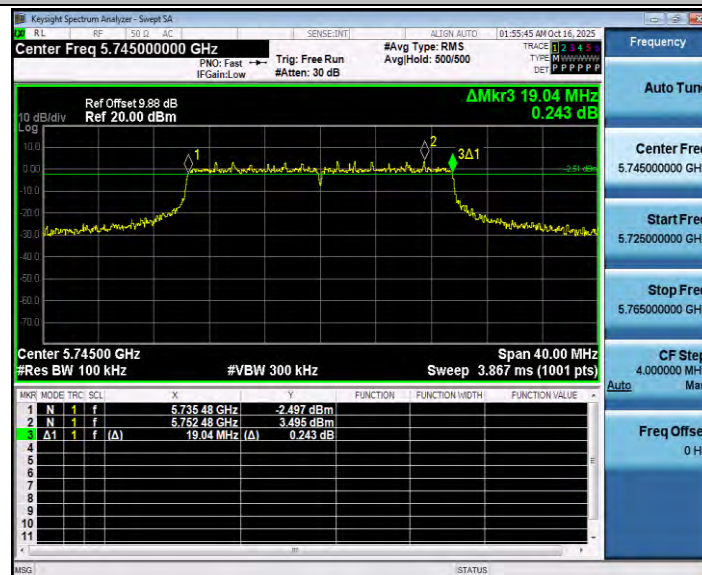
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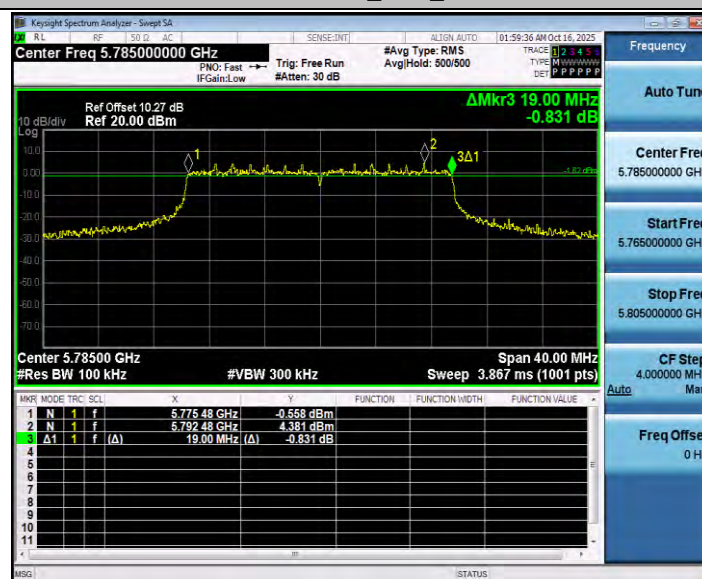
11AC40SISO_Ant1_5795



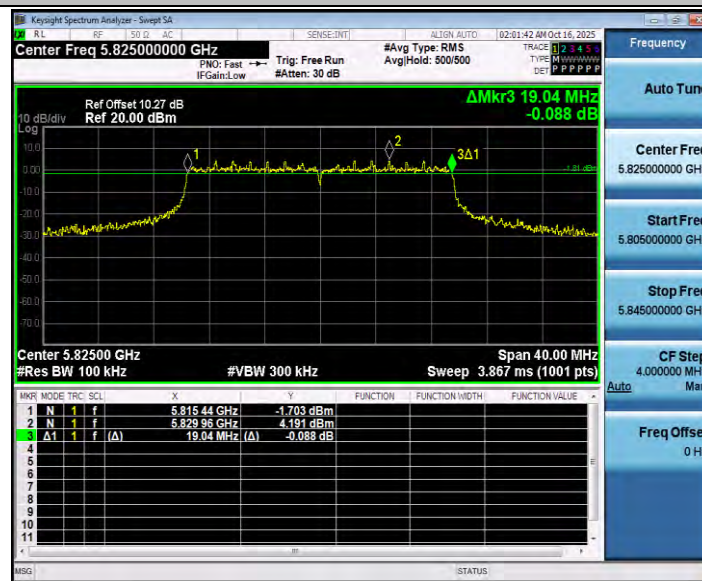
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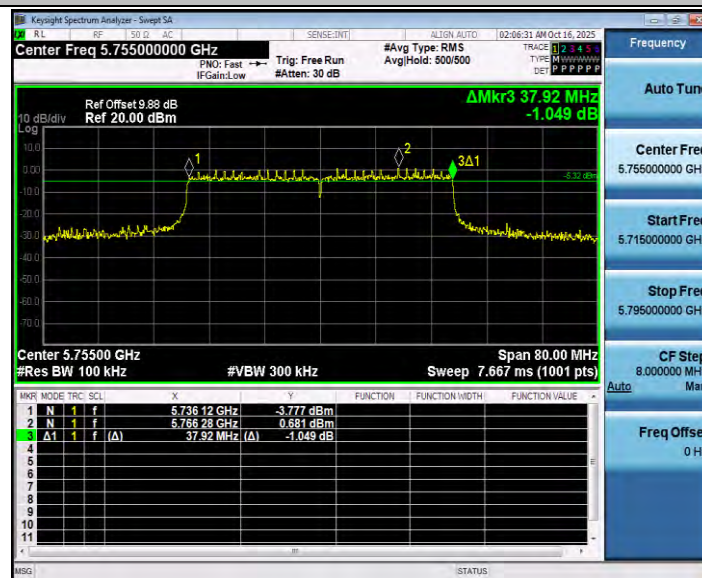
11AX20SISO_Ant1_5785



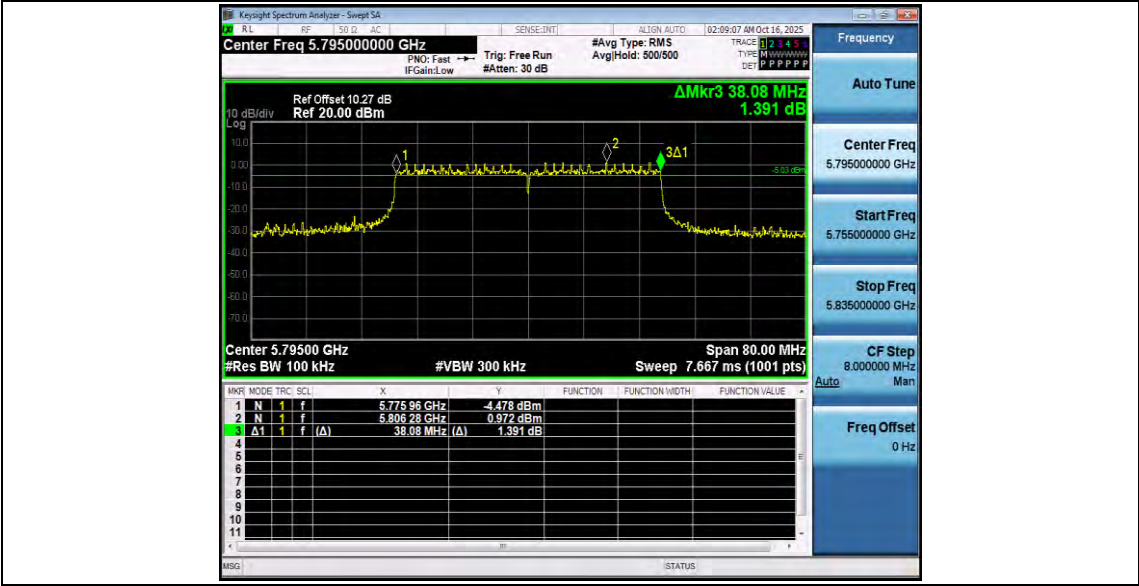
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

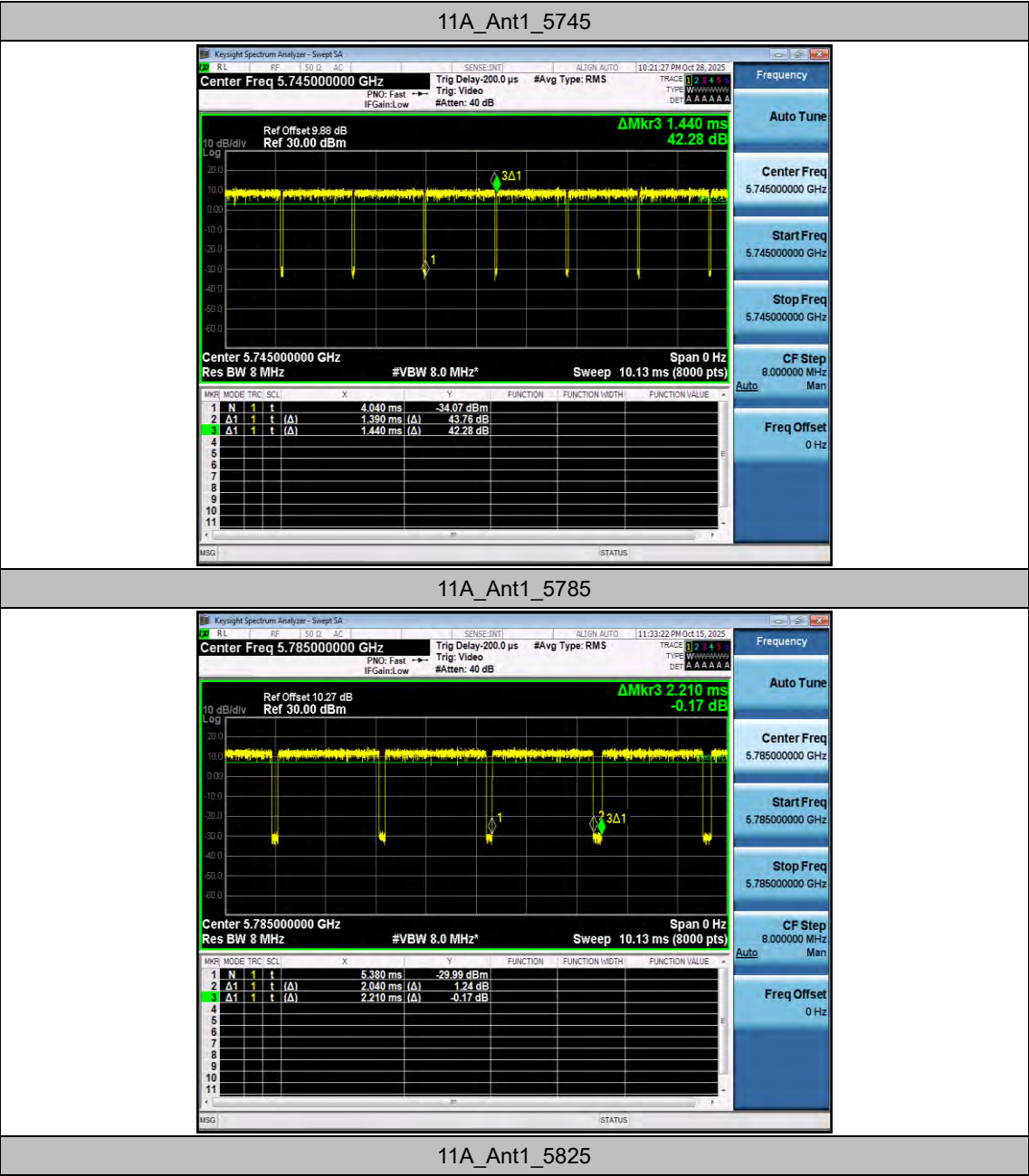


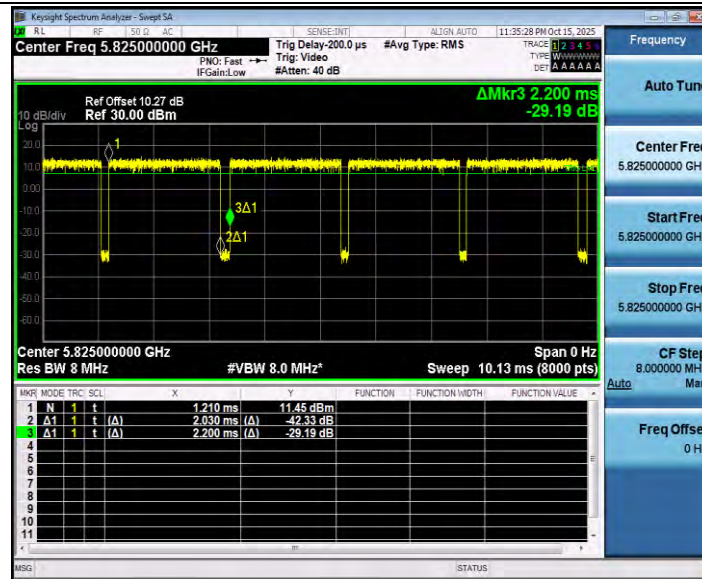
Appendix E.3: Duty Cycle

Test Result

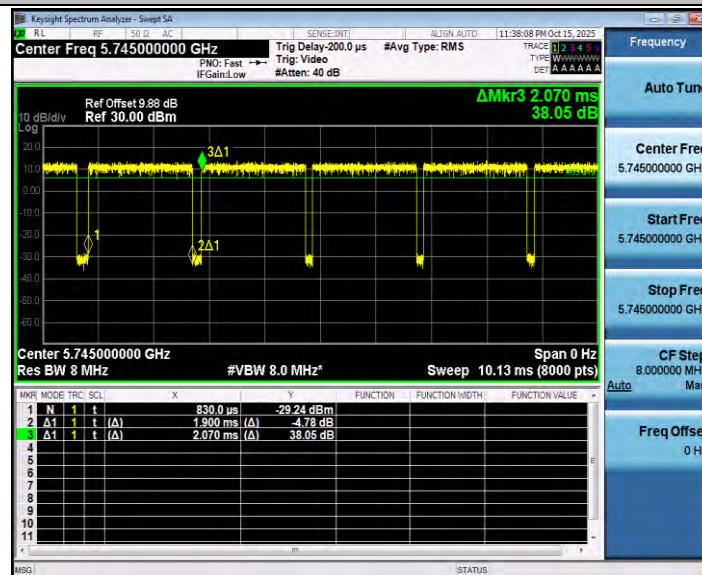
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	1.39	1.44	96.53	0.15	0.72
		5785	2.04	2.21	92.31	0.35	0.49
		5825	2.03	2.20	92.27	0.35	0.49
11N20SISO	Ant1	5745	1.90	2.07	91.79	0.37	0.53
		5785	1.89	2.05	92.20	0.35	0.53
		5825	1.89	2.03	93.10	0.31	0.53
11N40SISO	Ant1	5755	0.93	1.17	79.49	1.00	1.08
		5795	0.93	1.14	81.58	0.88	1.08
11AC20SISO	Ant1	5745	1.31	1.35	97.04	0.13	0.76
		5785	1.90	2.14	88.79	0.52	0.53
		5825	1.90	2.08	91.35	0.39	0.53
11AC40SISO	Ant1	5755	0.94	1.26	74.60	1.27	1.06
		5795	0.94	1.15	81.74	0.88	1.06
11AX20SISO	Ant1	5745	1.46	1.70	85.88	0.66	0.68
		5785	1.47	1.79	82.12	0.86	0.68
		5825	1.46	1.64	89.02	0.51	0.68
11AX40SISO	Ant1	5755	0.77	0.96	80.21	0.96	1.30
		5795	0.76	0.97	78.35	1.06	1.32

Test Graphs

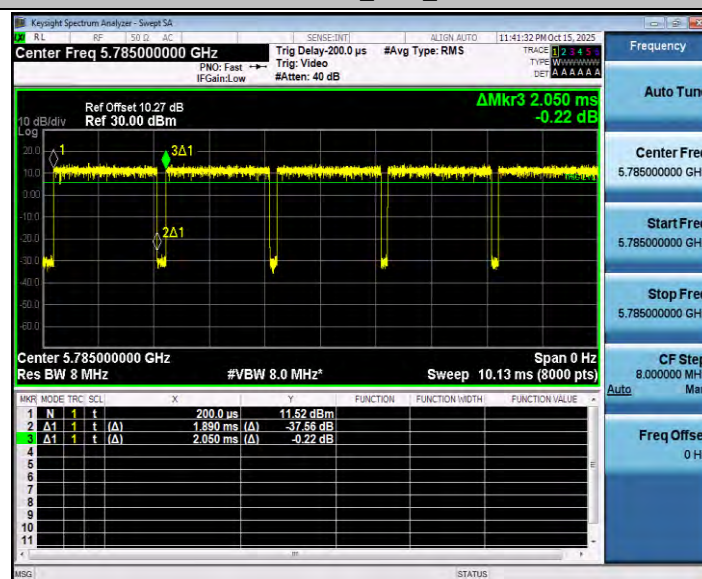




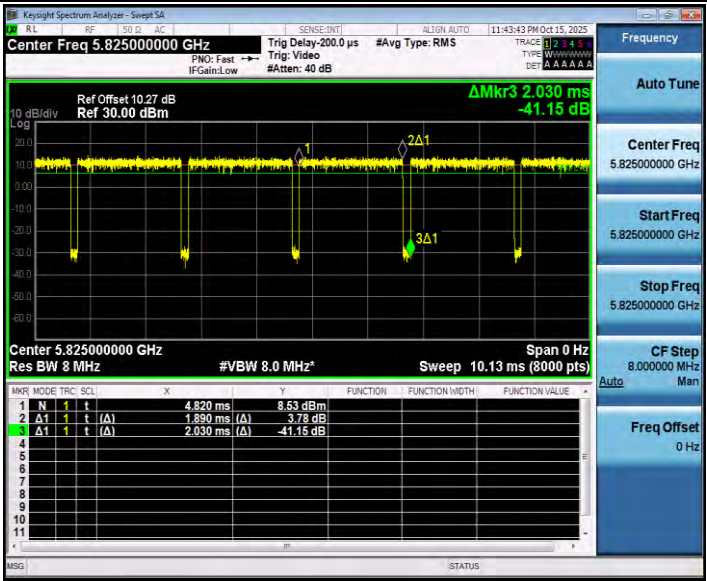
11N20SISO_Ant1_5745



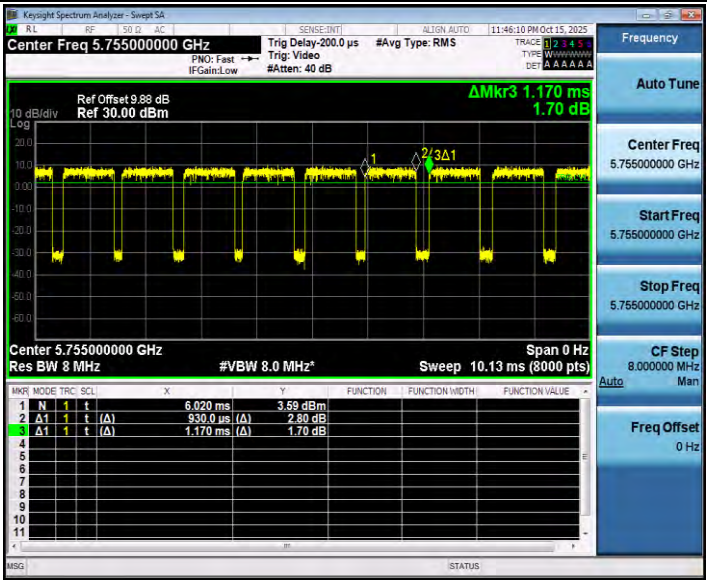
11N20SISO_Ant1_5785



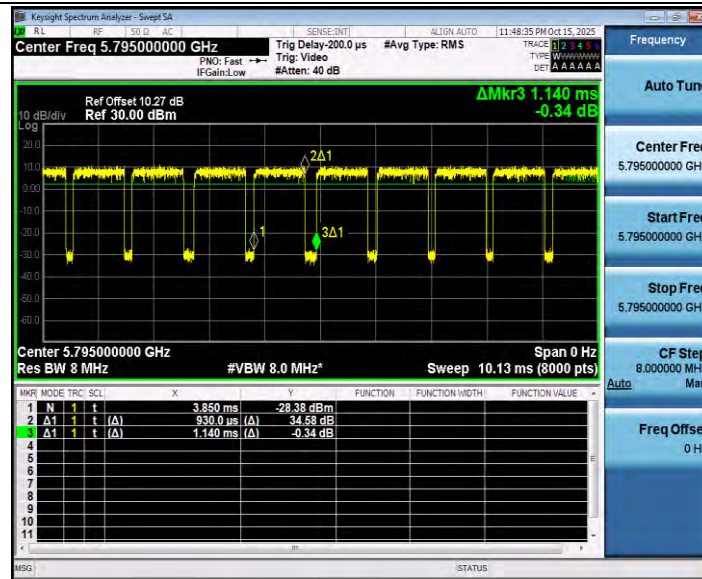
11N20SISO_Ant1_5825



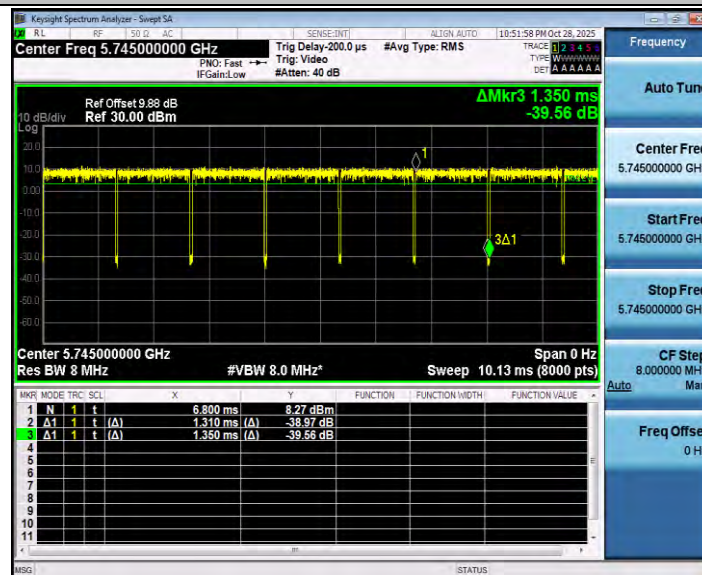
11N40SISO_Ant1_5755



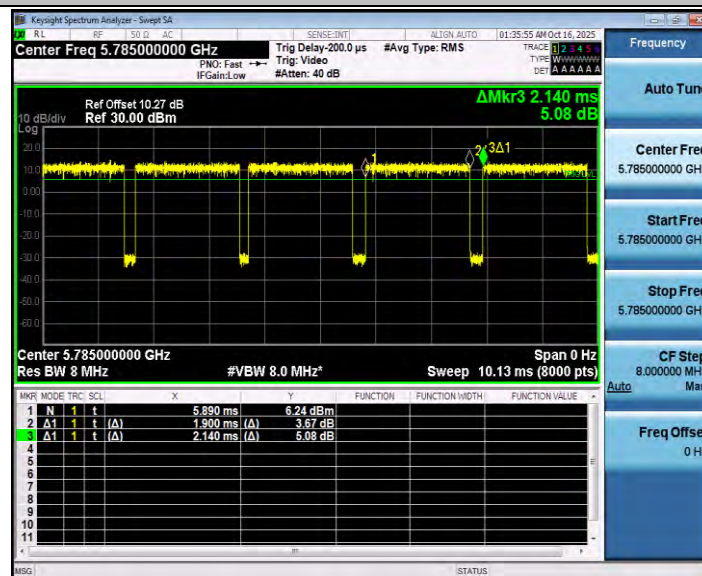
11N40SISO_Ant1_5795



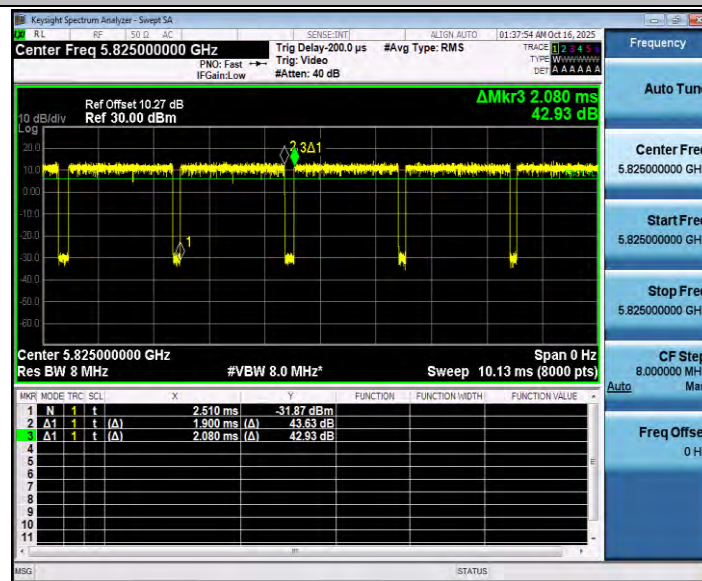
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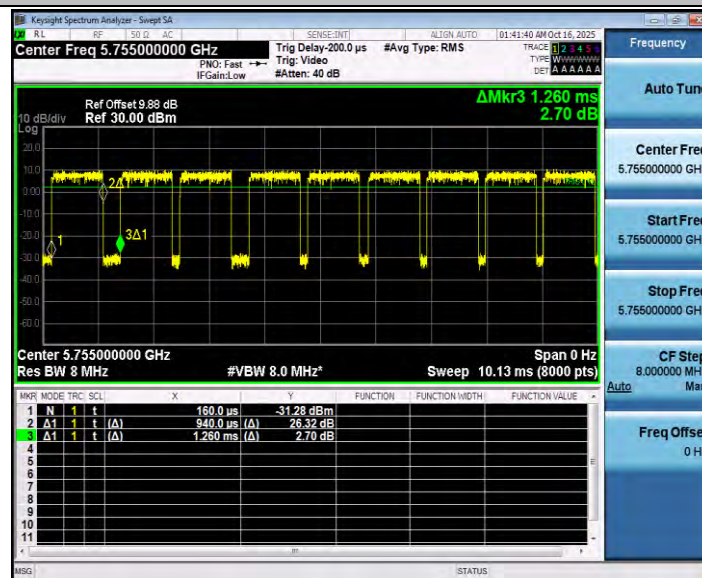
11AC20SISO_Ant1_5785



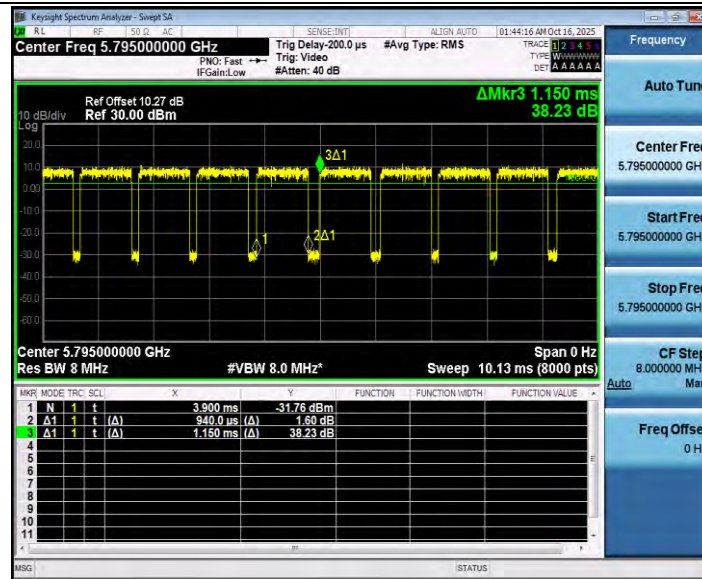
11AC20SISO_Ant1_5825



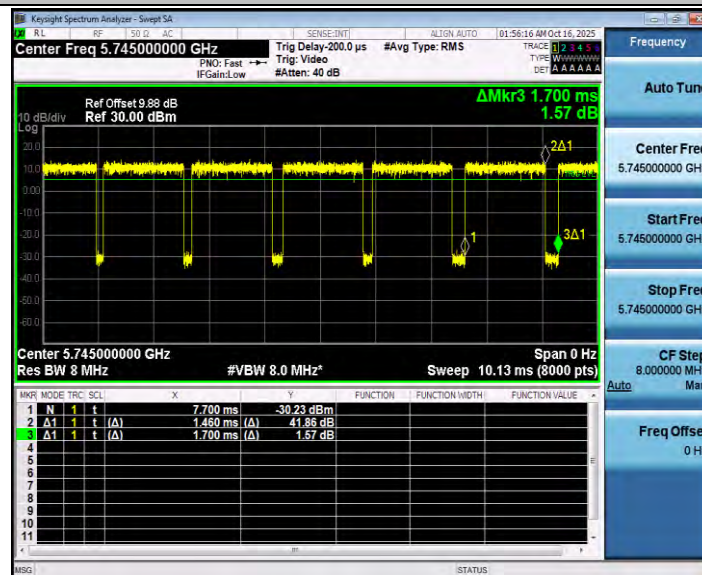
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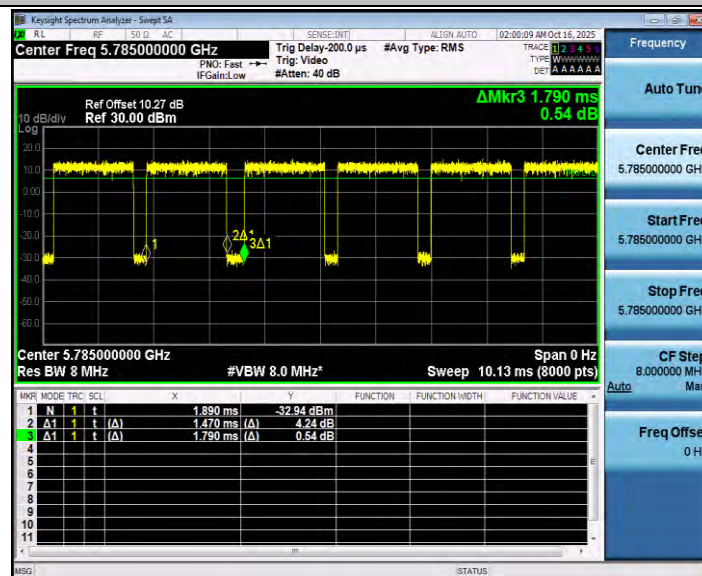
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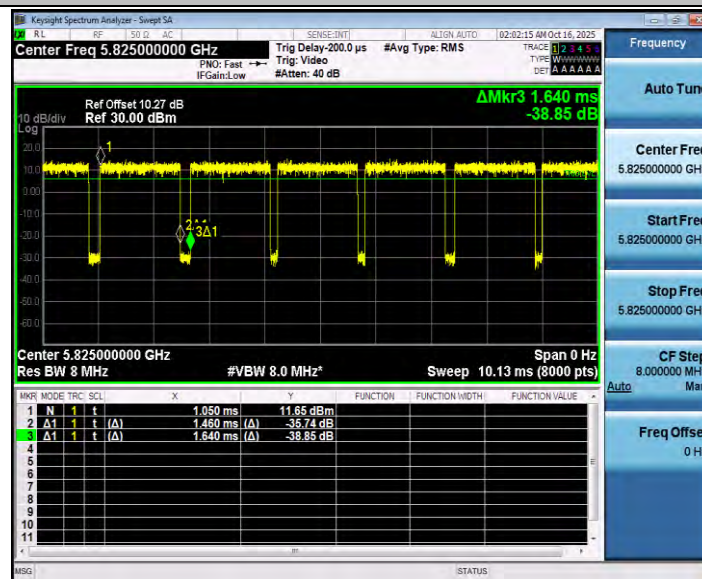
11AX20SISO_Ant1_5745



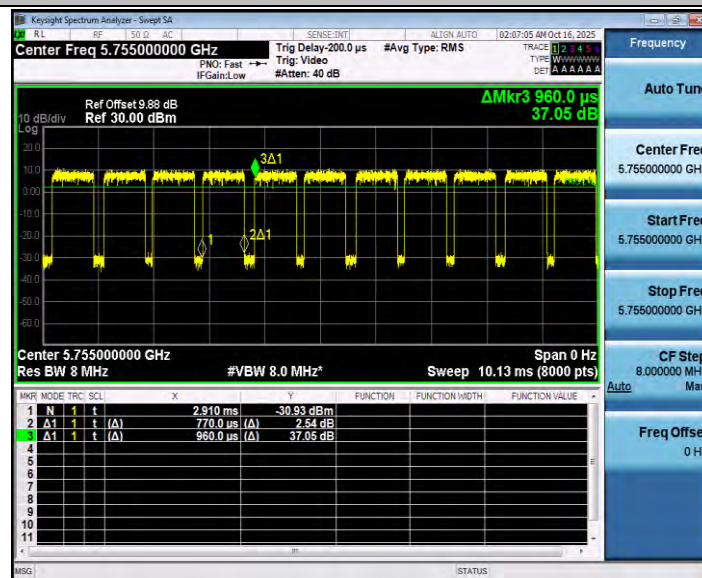
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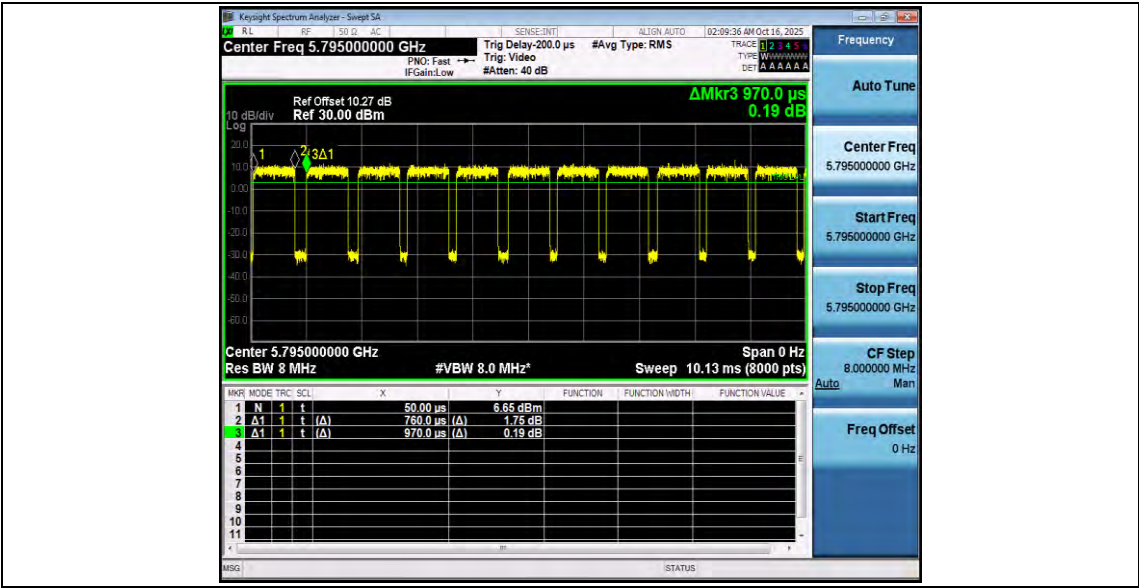
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_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	14.76	96.53	0.15	14.91	≤30.00	PASS
		5785	14.17	92.31	0.35	14.52	≤30.00	PASS
		5825	15.08	92.27	0.35	15.43	≤30.00	PASS
11N20SISO	Ant1	5745	14.15	91.79	0.37	14.52	≤30.00	PASS
		5785	14.38	92.20	0.35	14.73	≤30.00	PASS
		5825	14.71	93.10	0.31	15.02	≤30.00	PASS
11N40SISO	Ant1	5755	13.47	79.49	1.00	14.47	≤30.00	PASS
		5795	13.78	81.58	0.88	14.66	≤30.00	PASS
11AC20SISO	Ant1	5745	15.38	97.04	0.13	15.51	≤30.00	PASS
		5785	14.58	88.79	0.52	15.10	≤30.00	PASS
		5825	14.68	91.35	0.39	15.07	≤30.00	PASS
11AC40SISO	Ant1	5755	12.71	74.60	1.27	13.98	≤30.00	PASS
		5795	14.16	81.74	0.88	15.04	≤30.00	PASS
11AX20SISO	Ant1	5745	13.87	85.88	0.66	14.53	≤30.00	PASS
		5785	14.90	82.12	0.86	15.76	≤30.00	PASS
		5825	15.11	89.02	0.51	15.62	≤30.00	PASS
11AX40SISO	Ant1	5755	13.54	80.21	0.96	14.50	≤30.00	PASS
		5795	13.98	78.35	1.06	15.04	≤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	0.53	≤30.00	PASS
		5785	1.15	≤30.00	PASS
		5825	1.05	≤30.00	PASS
11N20SISO	Ant1	5745	0.03	≤30.00	PASS
		5785	0.57	≤30.00	PASS
		5825	0.44	≤30.00	PASS
11N40SISO	Ant1	5755	-2.56	≤30.00	PASS
		5795	-2.25	≤30.00	PASS
11AC20SISO	Ant1	5745	0.87	≤30.00	PASS
		5785	0.57	≤30.00	PASS
		5825	0.40	≤30.00	PASS
11AC40SISO	Ant1	5755	-2.10	≤30.00	PASS
		5795	-2.29	≤30.00	PASS
11AX20SISO	Ant1	5745	0.06	≤30.00	PASS
		5785	0.84	≤30.00	PASS
		5825	0.45	≤30.00	PASS
11AX40SISO	Ant1	5755	-2.84	≤30.00	PASS
		5795	-2.15	≤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 Factorand RBW Factoriscompensatedinthegraph.

Test Graphs

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



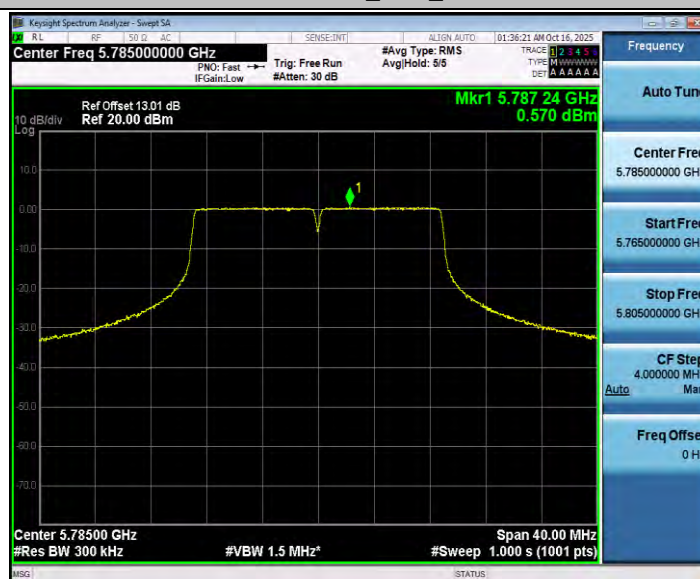
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

