

Case No. : <u>GTS20250818004-2-12</u>	
Ambient Condition: <u>22</u> °C, <u>57</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2025.9.4-2025.9.17</u>	Test Engineer: <u>Evan ouyang</u>

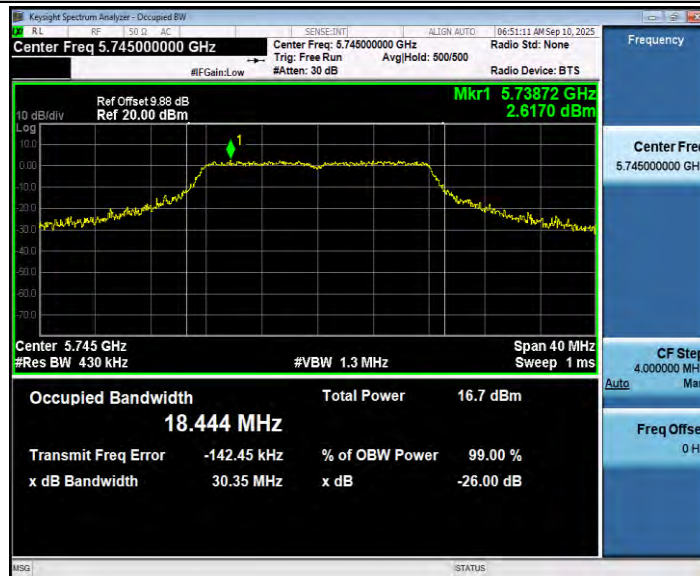
AppendixE.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	18.444	5735.6356	5754.0796	---	---
		5785	18.059	5775.8413	5793.9003	---	---
		5825	18.094	5815.7601	5833.8541	---	---
11N20SISO	Ant1	5745	19.268	5735.2810	5754.5490	---	---
		5785	19.197	5775.3124	5794.5094	---	---
		5825	19.235	5815.2527	5834.4877	---	---
11N40SISO	Ant1	5755	38.037	5735.9588	5773.9958	---	---
		5795	37.856	5776.0441	5813.9001	---	---
11AC20SISO	Ant1	5745	19.432	5735.2842	5754.7162	---	---
		5785	19.156	5775.3361	5794.4921	---	---
		5825	19.186	5815.3571	5834.5431	---	---
11AC40SISO	Ant1	5755	38.087	5735.9754	5774.0624	---	---
		5795	37.959	5775.9647	5813.9237	---	---
11AX20SISO	Ant1	5745	19.712	5735.1055	5754.8175	---	---
		5785	19.660	5775.0935	5794.7535	---	---
		5825	19.700	5815.0919	5834.7919	---	---
11AX40SISO	Ant1	5755	38.555	5735.6799	5774.2349	---	---
		5795	38.568	5775.6820	5814.2500	---	---

Test Graphs

11A_Ant1_5745



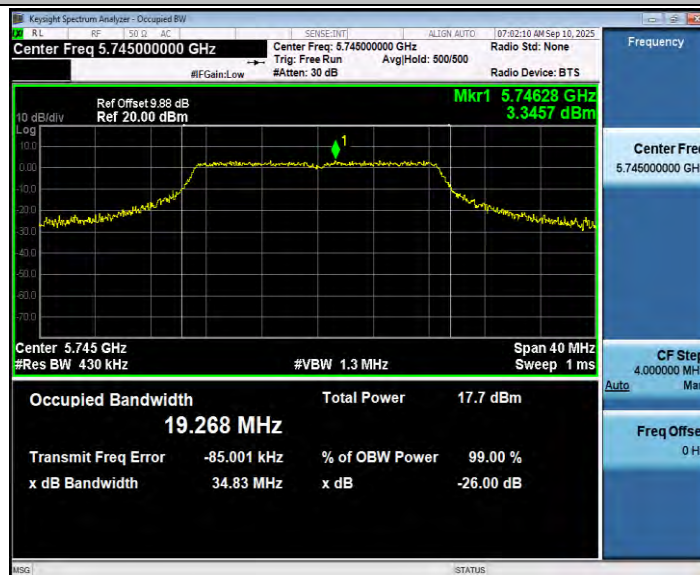
11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



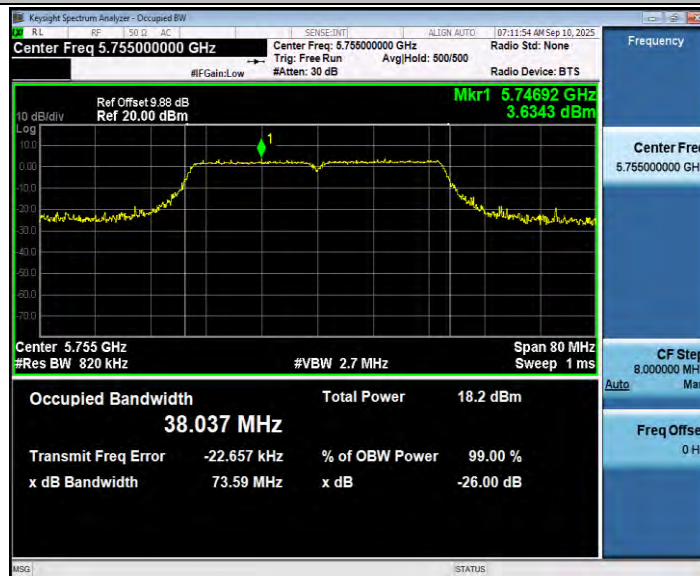
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



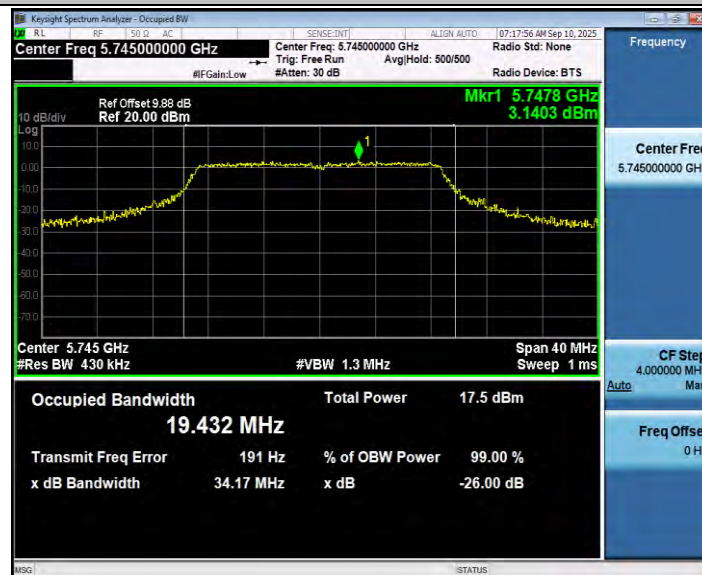
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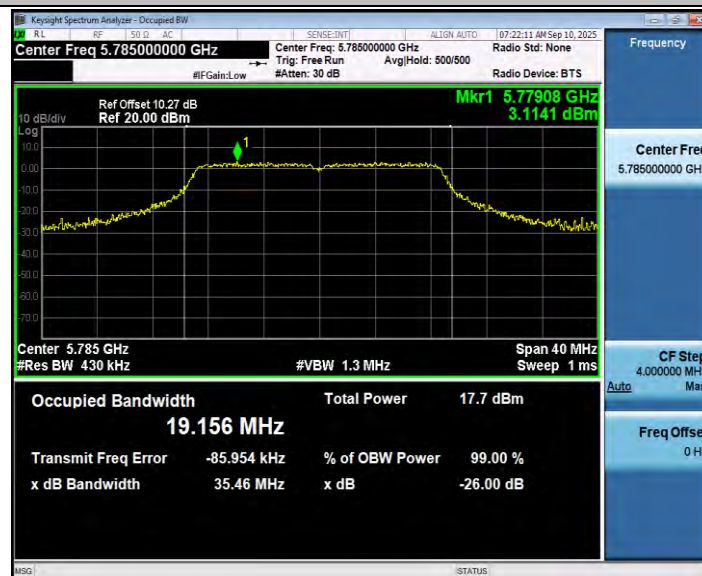
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



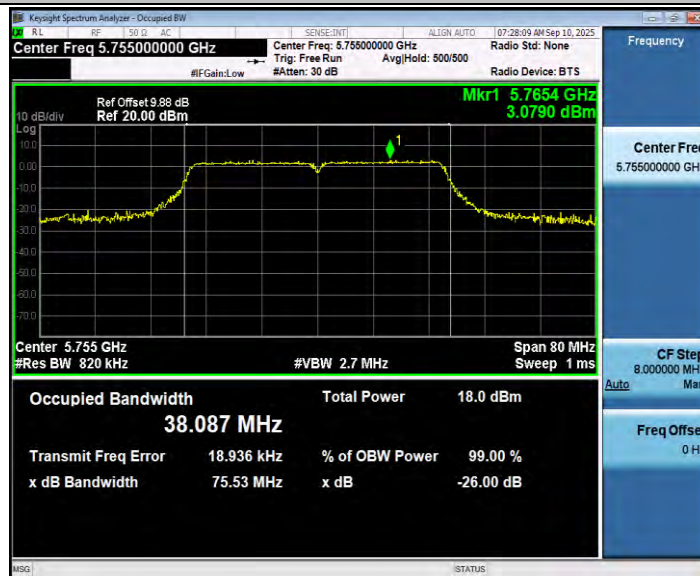
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



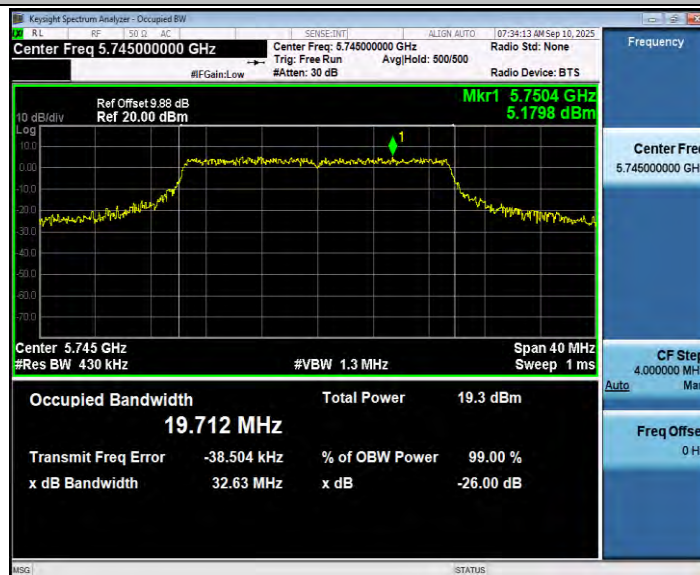
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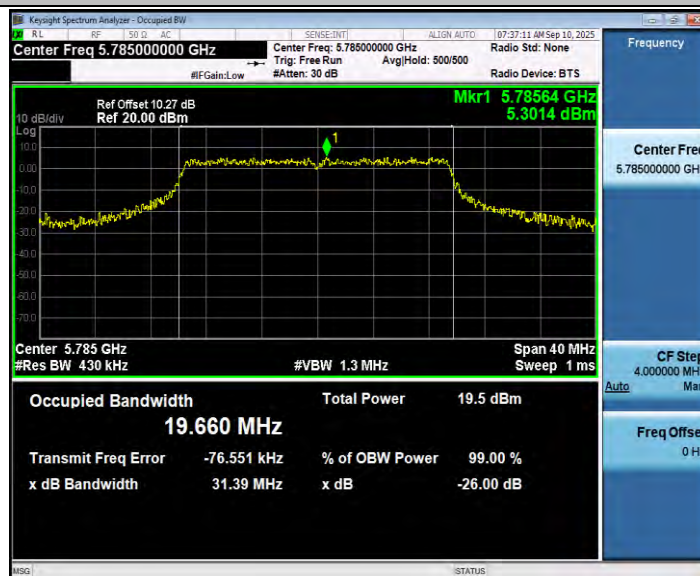
11AC40SISO_Ant1_5795



11AX20ISO_Ant1_5745



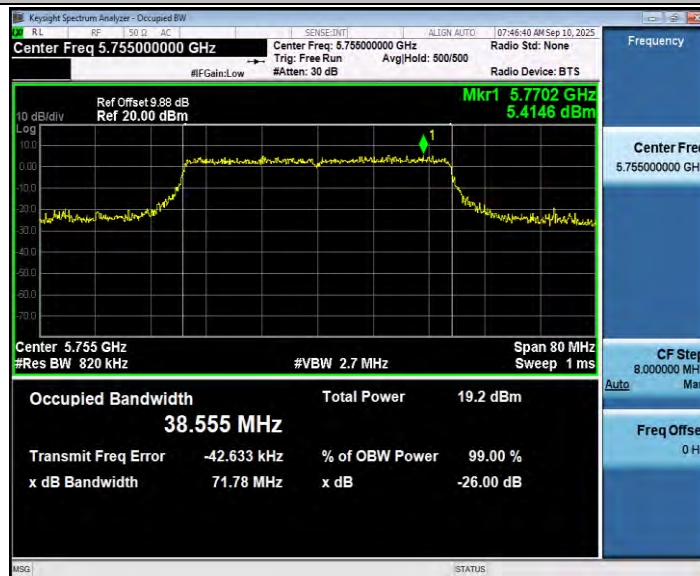
11AX20ISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_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	5736.680	5753.160	0.5	PASS
		5785	16.440	5776.680	5793.120	0.5	PASS
		5825	16.400	5816.720	5833.120	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.120	5753.720	0.5	PASS
		5785	17.600	5776.120	5793.720	0.5	PASS
		5825	17.600	5816.120	5833.720	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.760	5773.080	0.5	PASS
		5795	36.320	5776.760	5813.080	0.5	PASS
11AC20SISO	Ant1	5745	17.640	5736.120	5753.760	0.5	PASS
		5785	17.600	5776.120	5793.720	0.5	PASS
		5825	17.600	5816.120	5833.720	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.760	5773.080	0.5	PASS
		5795	36.320	5776.760	5813.080	0.5	PASS
11AX20SISO	Ant1	5745	19.000	5735.440	5754.440	0.5	PASS
		5785	18.960	5775.480	5794.440	0.5	PASS
		5825	19.000	5815.440	5834.440	0.5	PASS
11AX40SISO	Ant1	5755	38.000	5735.880	5773.880	0.5	PASS
		5795	37.920	5775.960	5813.880	0.5	PASS

Test Graphs B4

11A_Ant1_5745



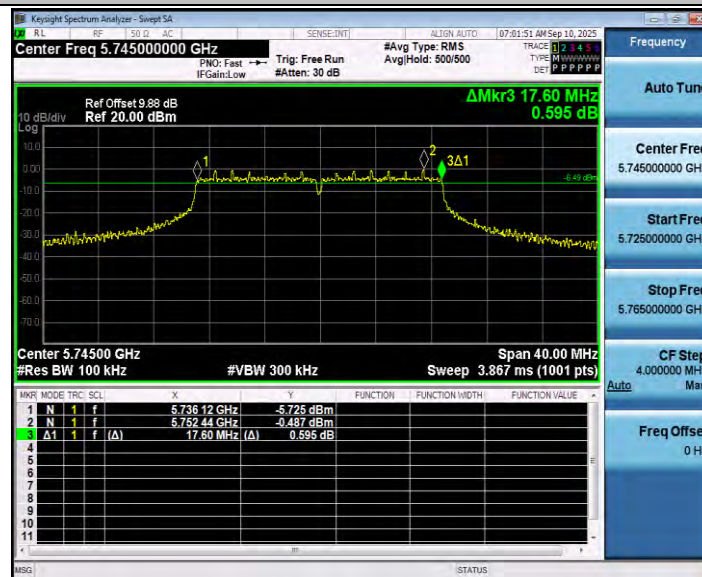
11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



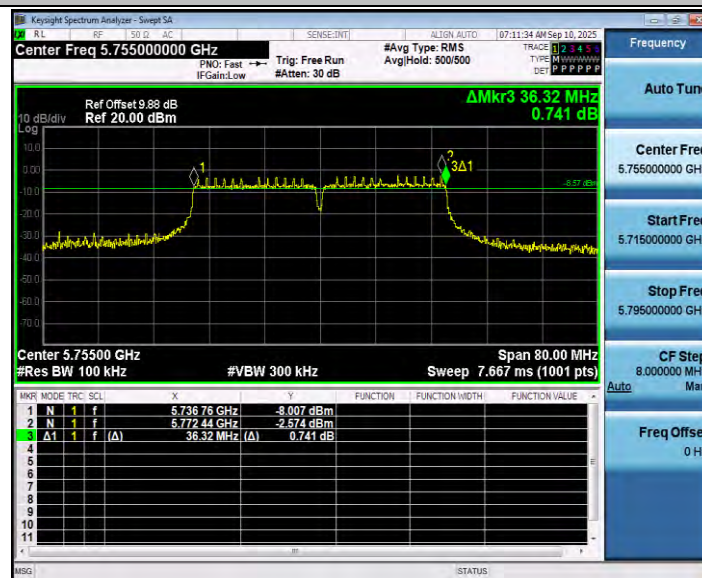
11N20SISO_Ant1_5785



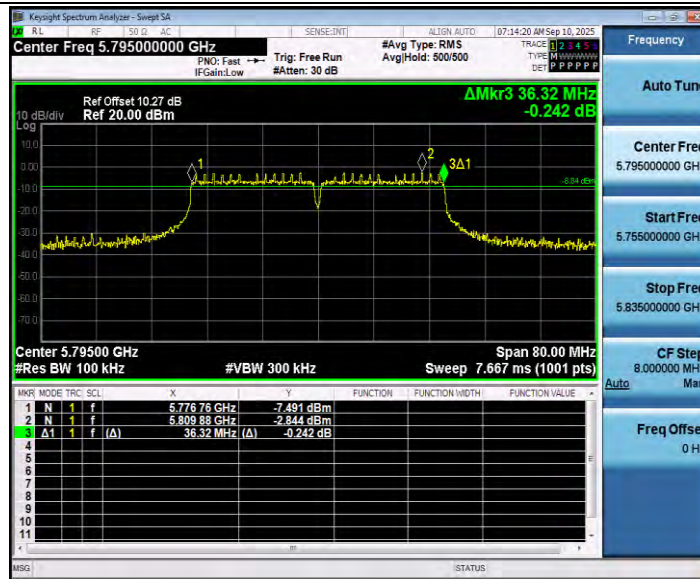
11N20SISO_Ant1_5825



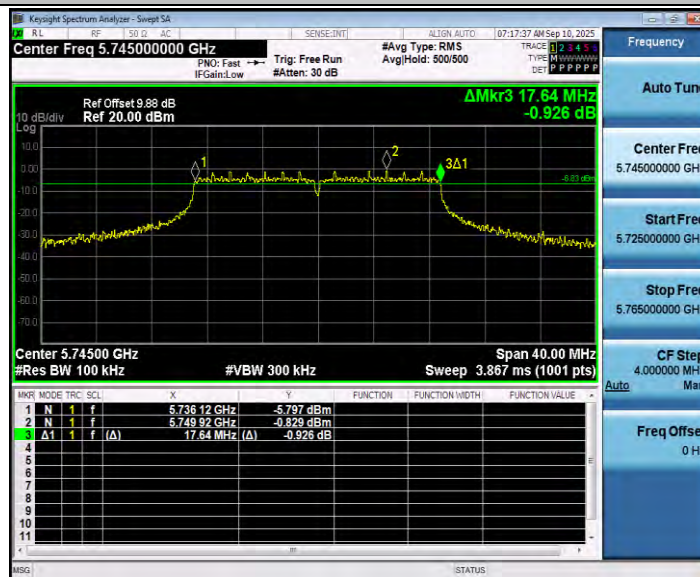
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



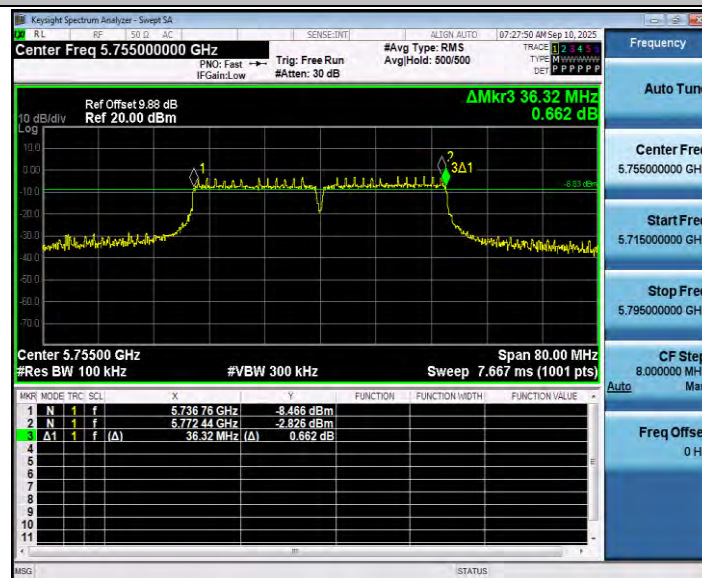
11AC20SISO_Ant1_5785



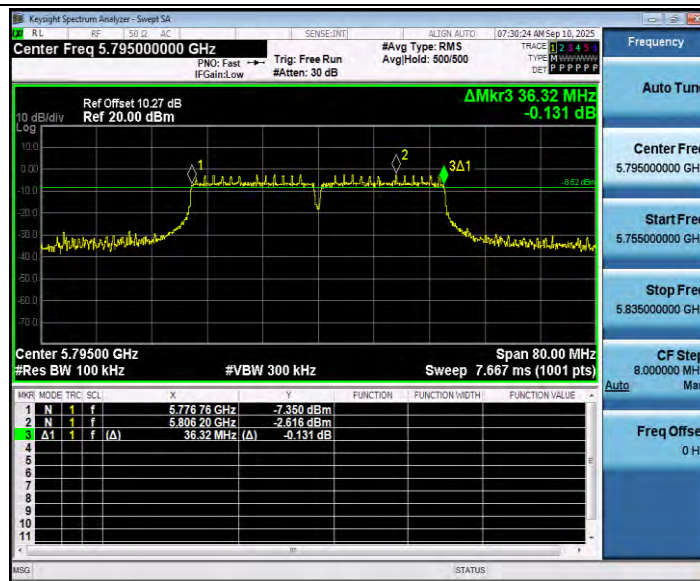
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



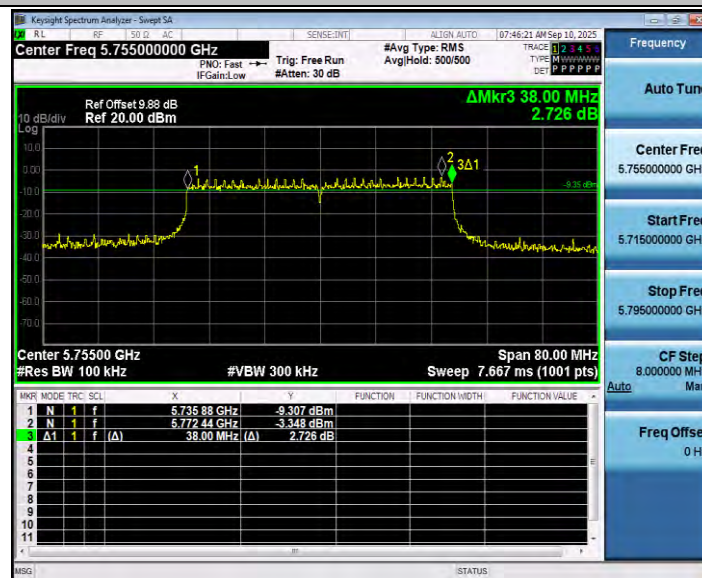
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



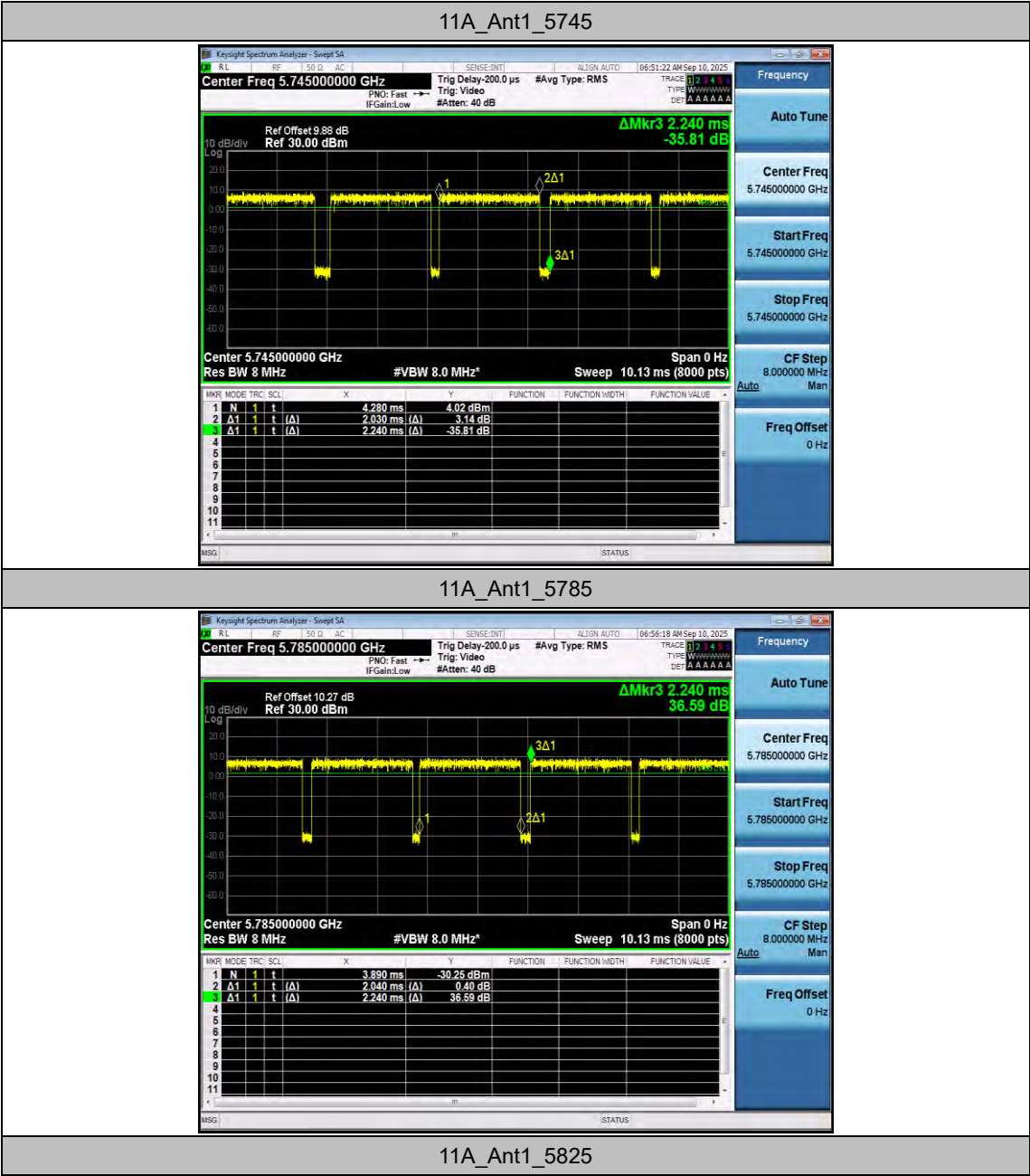
11AX40SISO_Ant1_5795

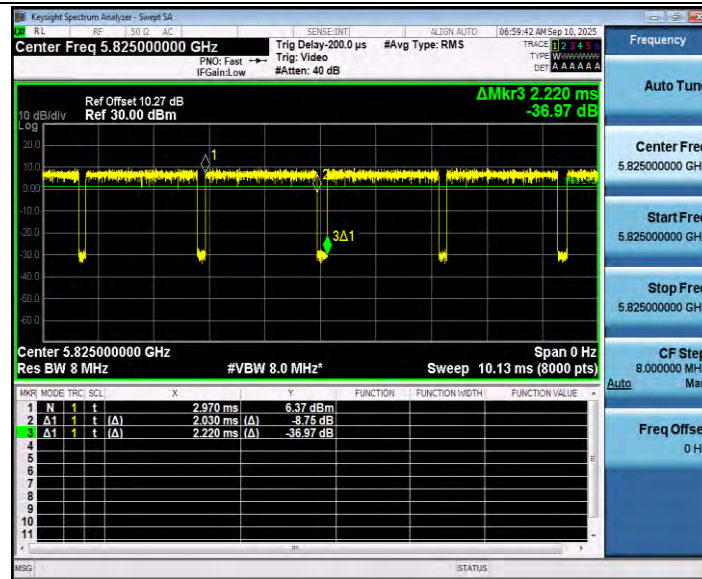
Appendix E.3: Duty Cycle

Test Result

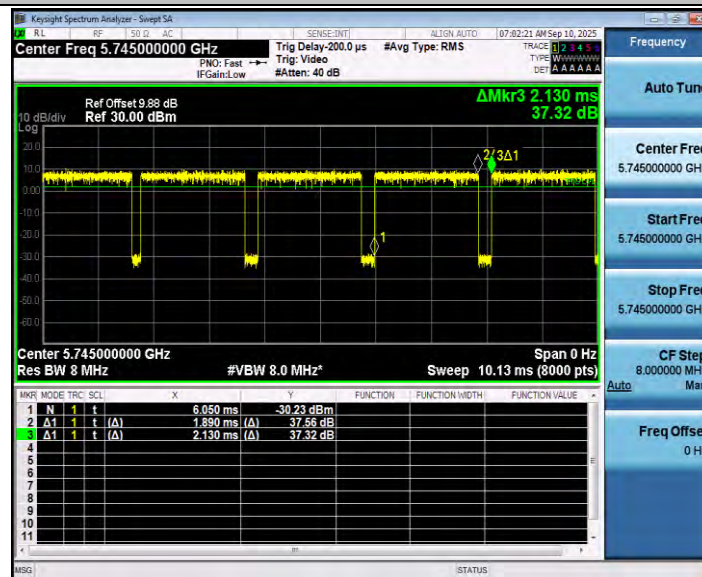
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	2.03	2.24	90.63	0.43	0.49
		5785	2.04	2.24	91.07	0.41	0.49
		5825	2.03	2.22	91.44	0.39	0.49
11N20SISO	Ant1	5745	1.89	2.13	88.73	0.52	0.53
		5785	1.89	2.08	90.87	0.42	0.53
		5825	1.90	2.05	92.68	0.33	0.53
11N40SISO	Ant1	5755	0.93	1.30	71.54	1.45	1.08
		5795	0.93	1.14	81.58	0.88	1.08
11AC20SISO	Ant1	5745	1.90	2.12	89.62	0.48	0.53
		5785	1.90	2.13	89.20	0.50	0.53
		5825	1.90	2.07	91.79	0.37	0.53
11AC40SISO	Ant1	5755	0.94	1.18	79.66	0.99	1.06
		5795	0.94	1.11	84.68	0.72	1.06
11AX20SISO	Ant1	5745	1.46	1.65	88.48	0.53	0.68
		5785	1.46	1.69	86.39	0.64	0.68
		5825	1.46	1.64	89.02	0.51	0.68
11AX40SISO	Ant1	5755	0.76	0.99	76.77	1.15	1.32
		5795	0.76	0.99	76.77	1.15	1.32

Test Graphs

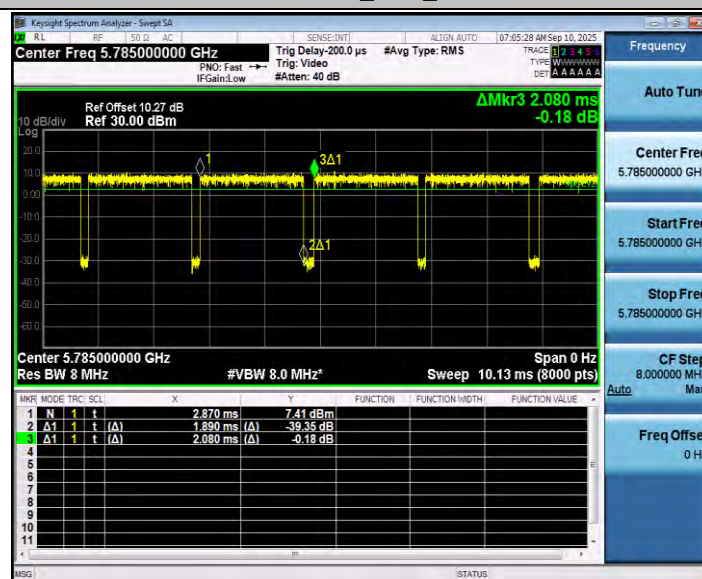




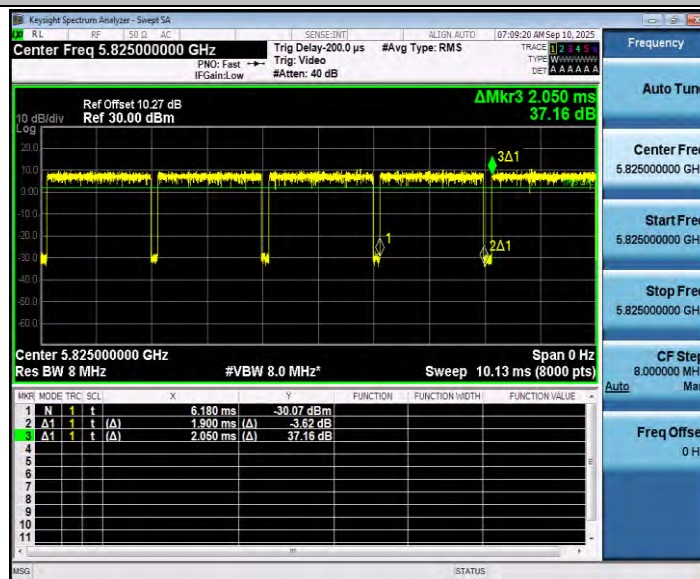
11N20SISO_Ant1_5745



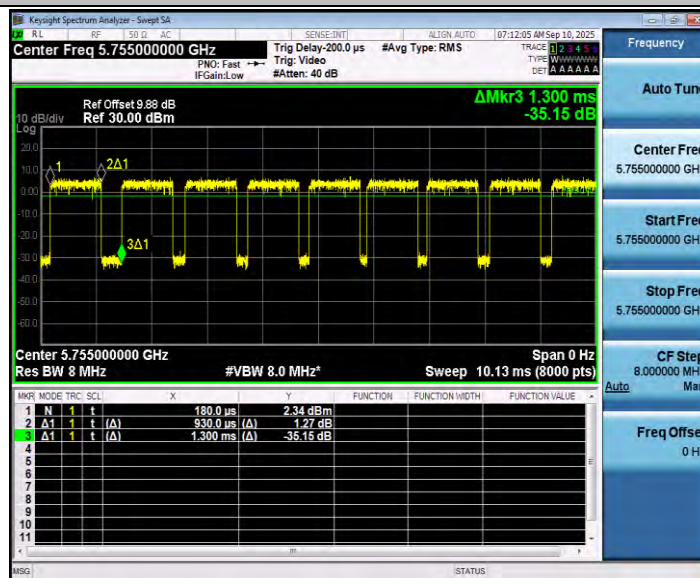
11N20SISO_Ant1_5785



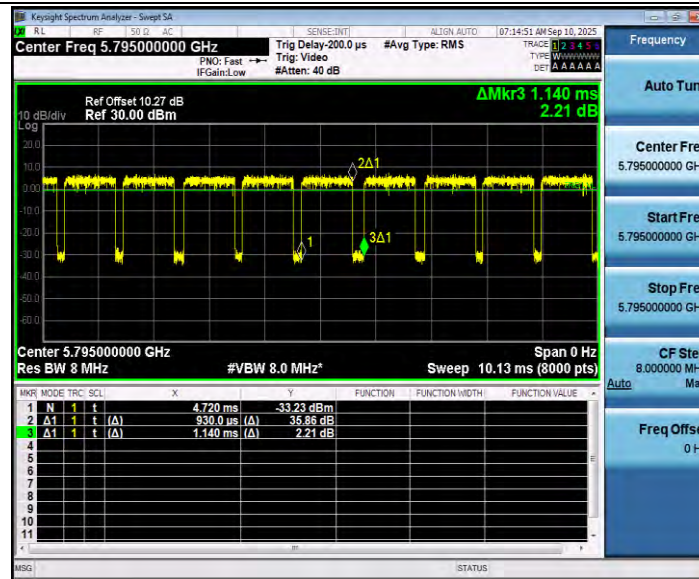
11N20SISO_Ant1_5825



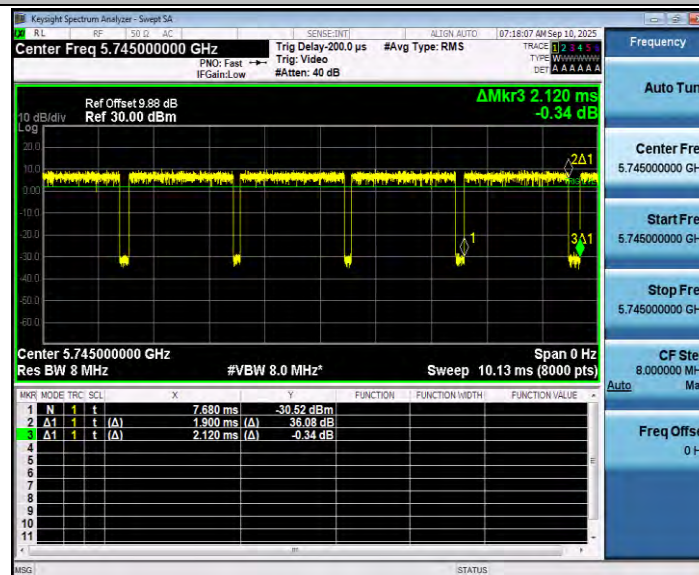
11N40SISO_Ant1_5755



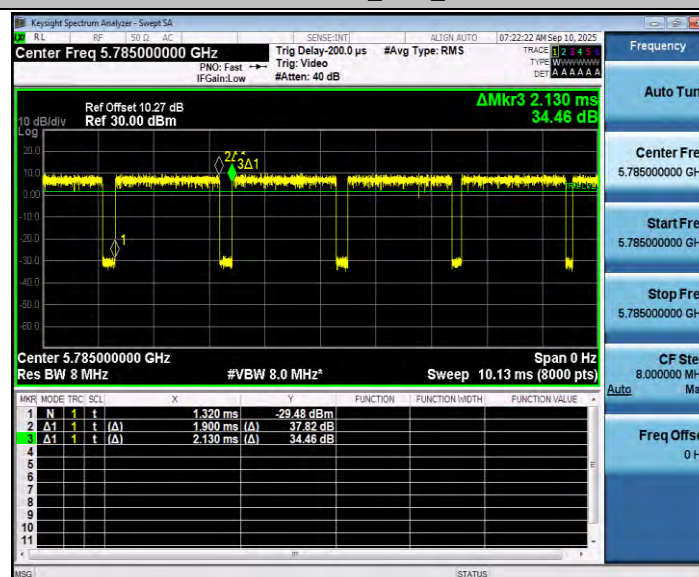
11N40SISO_Ant1_5795

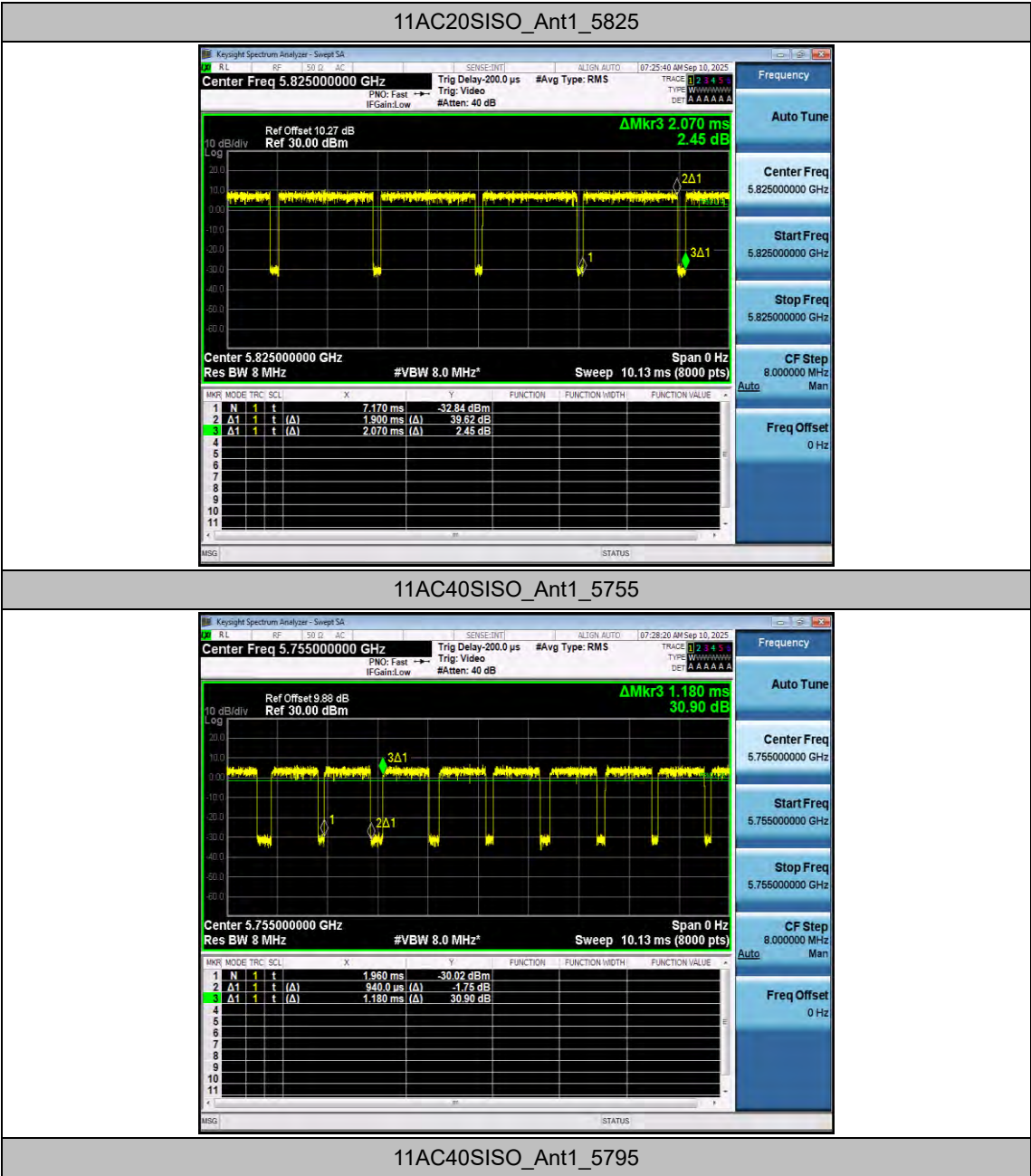


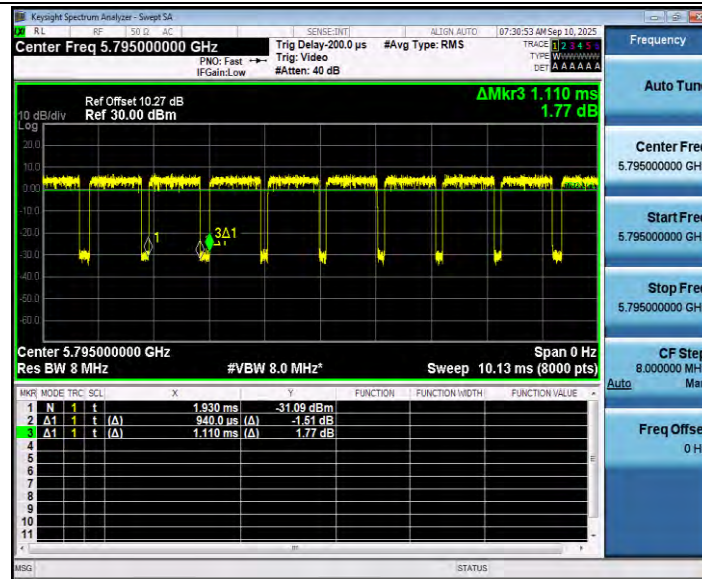
11AC20SISO_Ant1_5745



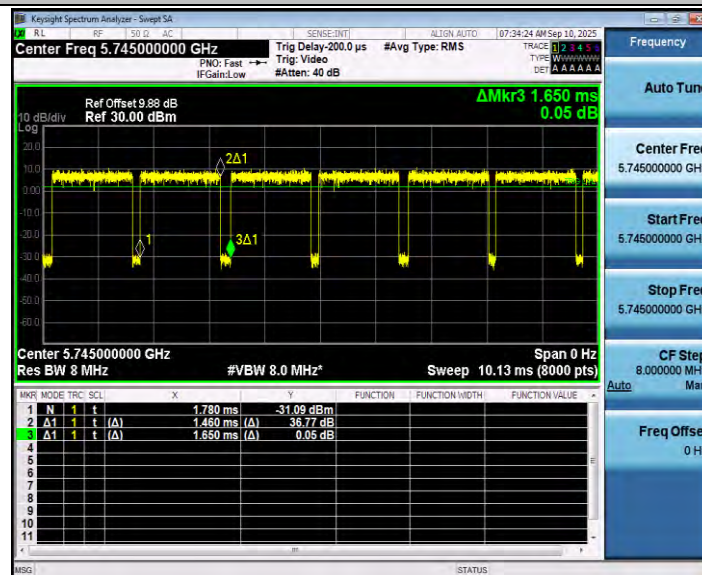
11AC20SISO_Ant1_5785



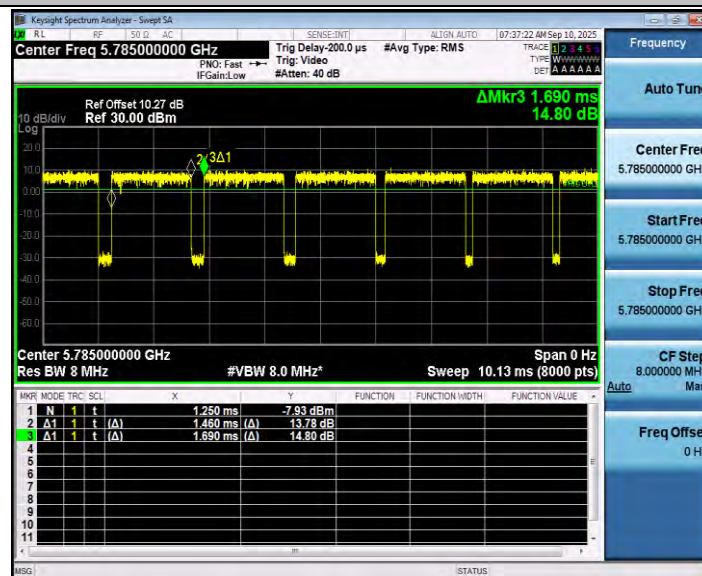


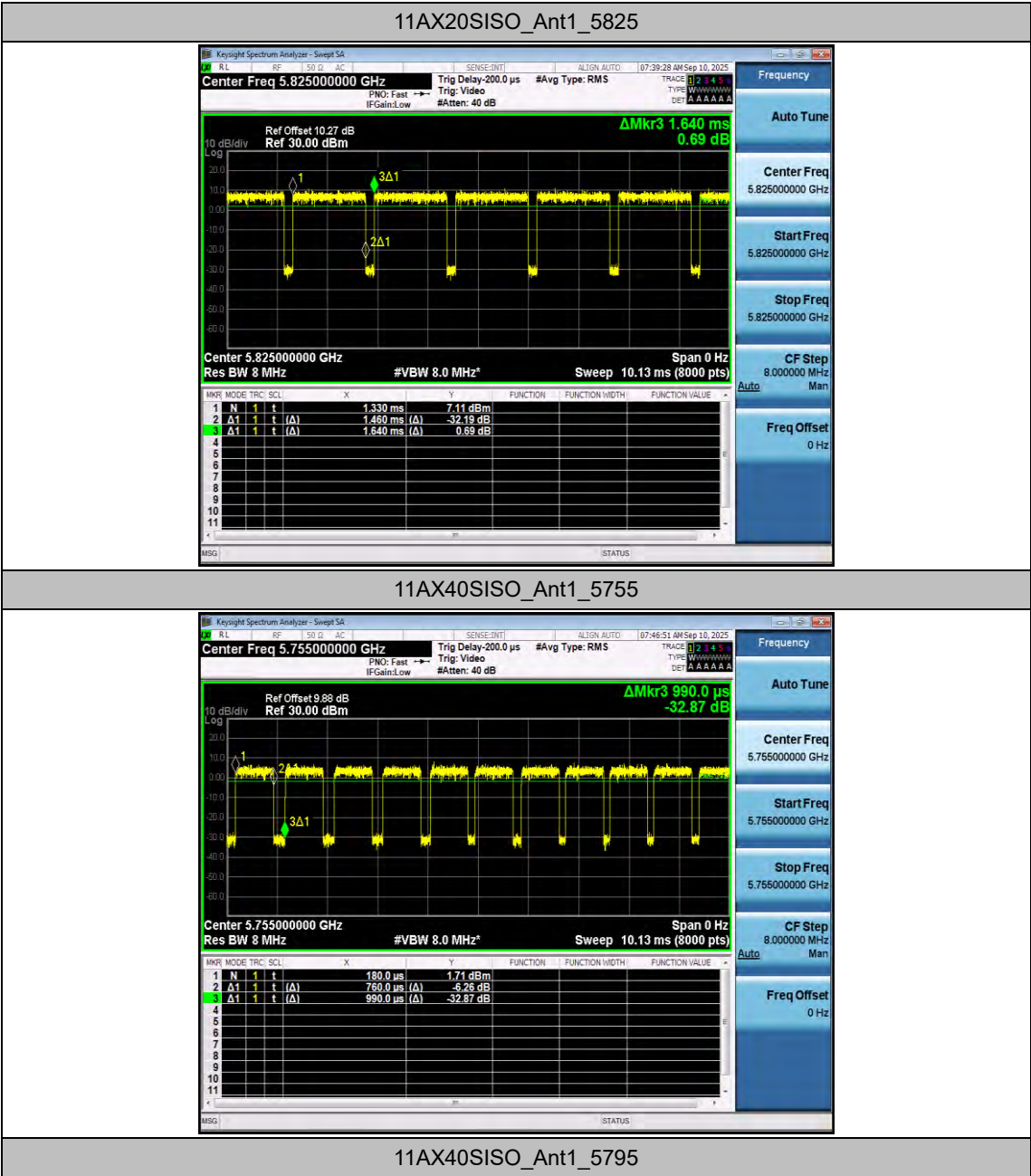


11AX20SISO_Ant1_5745



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	9.45	90.63	0.43	9.88	≤30.00	PASS
		5785	9.84	91.07	0.41	10.25	≤30.00	PASS
		5825	10.00	91.44	0.39	10.39	≤30.00	PASS
11N20SISO	Ant1	5745	10.53	88.73	0.52	11.05	≤30.00	PASS
		5785	11.01	90.87	0.42	11.43	≤30.00	PASS
		5825	10.72	92.68	0.33	11.05	≤30.00	PASS
11N40SISO	Ant1	5755	9.94	71.54	1.45	11.39	≤30.00	PASS
		5795	10.40	81.58	0.88	11.28	≤30.00	PASS
11AC20SISO	Ant1	5745	10.32	89.62	0.48	10.80	≤30.00	PASS
		5785	10.54	89.20	0.50	11.04	≤30.00	PASS
		5825	10.89	91.79	0.37	11.26	≤30.00	PASS
11AC40SISO	Ant1	5755	9.76	79.66	0.99	10.75	≤30.00	PASS
		5795	10.47	84.68	0.72	11.19	≤30.00	PASS
11AX20SISO	Ant1	5745	10.55	88.48	0.53	11.08	≤30.00	PASS
		5785	10.75	86.39	0.64	11.39	≤30.00	PASS
		5825	10.81	89.02	0.51	11.32	≤30.00	PASS
11AX40SISO	Ant1	5755	9.44	76.77	1.15	10.59	≤30.00	PASS
		5795	10.27	76.77	1.15	11.42	≤30.00	PASS

AppendixE.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-4.62	≤30.00	PASS
		5785	-4.05	≤30.00	PASS
		5825	-3.99	≤30.00	PASS
11N20SISO	Ant1	5745	-3.64	≤30.00	PASS
		5785	-3.40	≤30.00	PASS
		5825	-3.66	≤30.00	PASS
11N40SISO	Ant1	5755	-5.59	≤30.00	PASS
		5795	-6.29	≤30.00	PASS
11AC20SISO	Ant1	5745	-3.97	≤30.00	PASS
		5785	-3.58	≤30.00	PASS
		5825	-3.47	≤30.00	PASS
11AC40SISO	Ant1	5755	-6.42	≤30.00	PASS
		5795	-6.36	≤30.00	PASS
11AX20SISO	Ant1	5745	-3.99	≤30.00	PASS
		5785	-3.89	≤30.00	PASS
		5825	-3.89	≤30.00	PASS
11AX40SISO	Ant1	5755	-6.65	≤30.00	PASS
		5795	-6.41	≤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

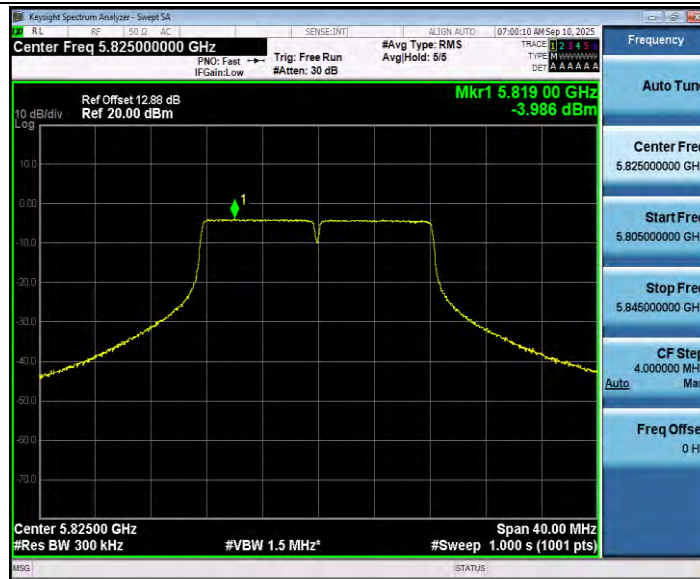
11A_Ant1_5745



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



11AX20ISO_Ant1_5745



11AX20ISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

