

Case No. : <u>GTS20250926009-3-05</u>
Ambient Condition: <u>22</u> °C, <u>47</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2025.09.14- 2025.11.12</u> Test Engineer: <u>Evan ouyang</u>

Appendix G.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	20.320	5734.720	5755.040	---	---
		5785	20.520	5774.840	5795.360	---	---
		5825	20.560	5814.680	5835.240	---	---
11N20SISO	Ant1	5745	28.080	5729.720	5757.800	---	---
		5785	26.400	5771.840	5798.240	---	---
		5825	28.040	5810.720	5838.760	---	---
11N40SISO	Ant1	5755	41.920	5734.280	5776.200	---	---
		5795	42.000	5774.360	5816.360	---	---
11AC20SISO	Ant1	5745	21.320	5734.640	5755.960	---	---
		5785	20.480	5774.880	5795.360	---	---
		5825	21.160	5814.720	5835.880	---	---
11AC40SISO	Ant1	5755	40.400	5734.840	5775.240	---	---
		5795	40.720	5774.840	5815.560	---	---
11AC80SISO	Ant1	5775	80.960	5734.680	5815.640	---	---

Test Graphs



11A_Ant1_5785

11A_Ant1_5825



11N20SISO_Ant1_5745



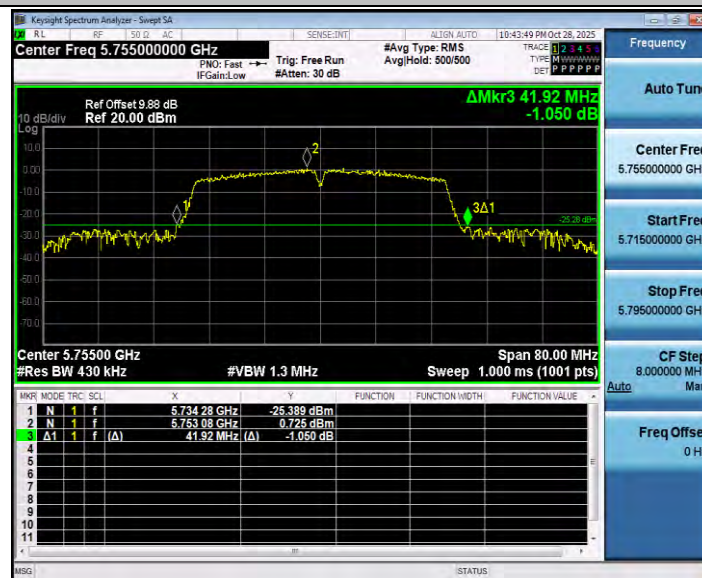
11N20SISO_Ant1_5785



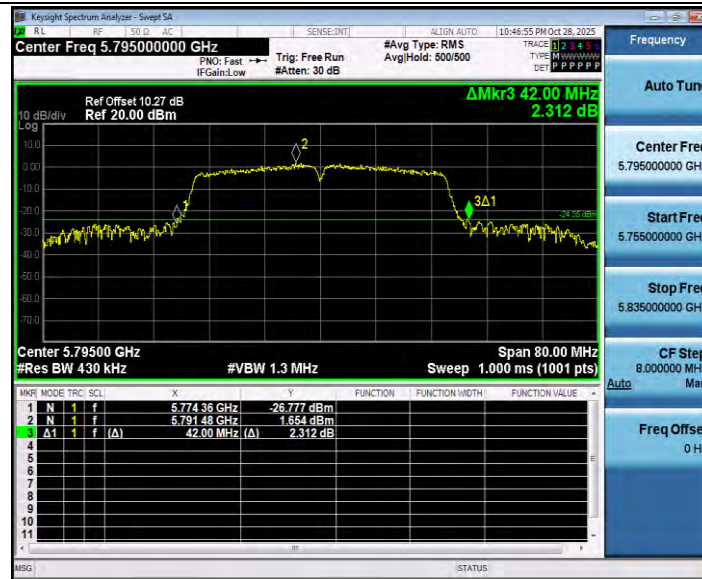
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



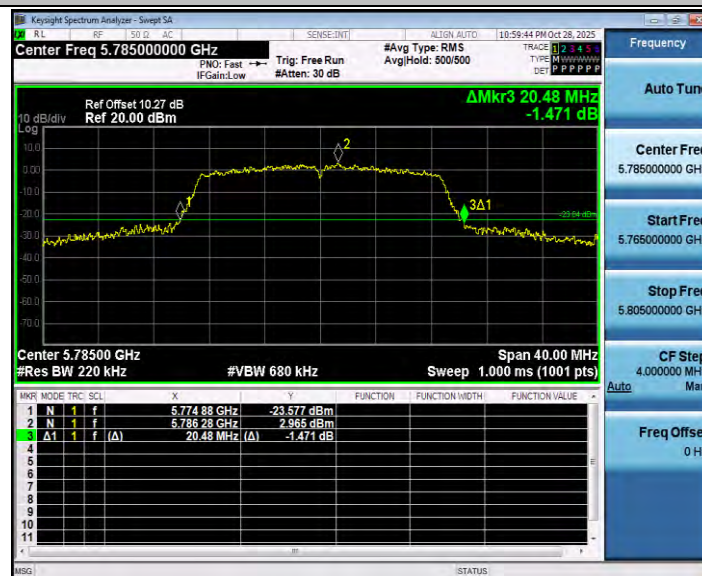
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



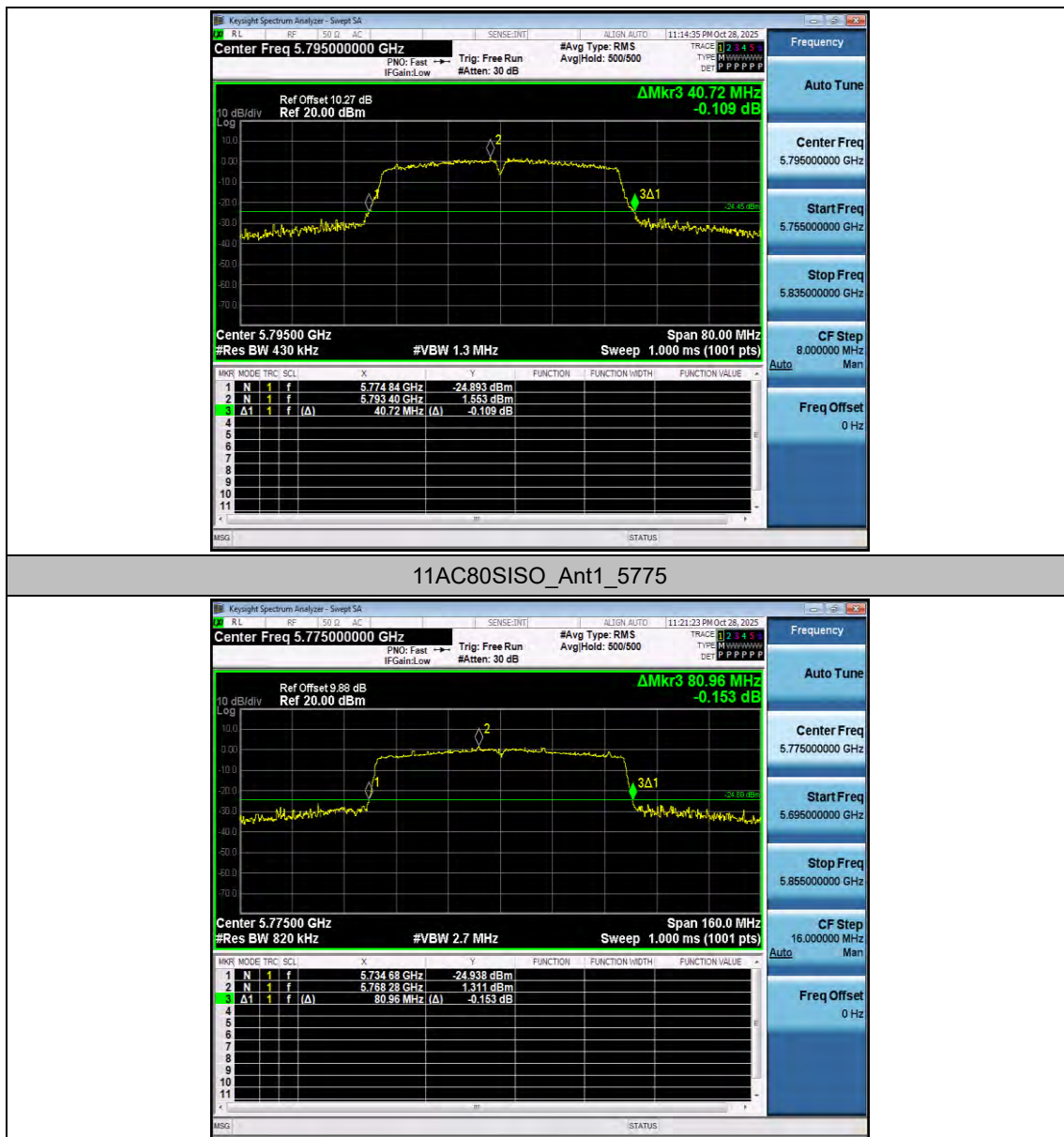
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



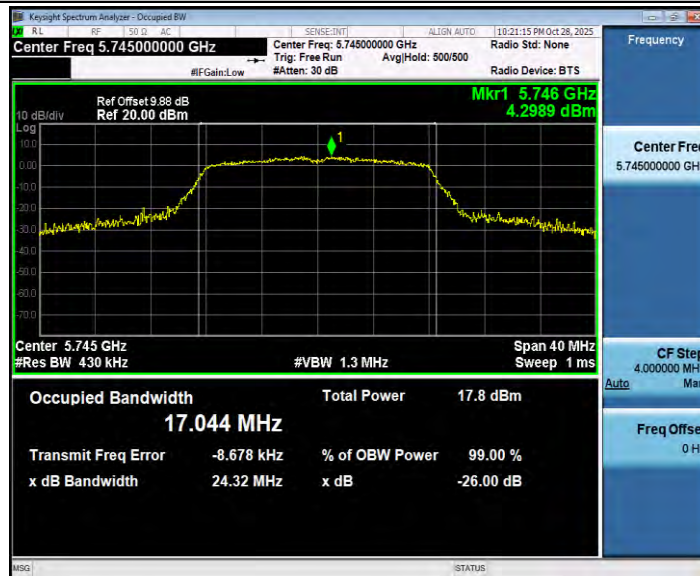
Appendix G.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.044	5736.4693	5753.5133	---	---
		5785	17.091	5776.4198	5793.5108	---	---
		5825	17.097	5816.4278	5833.5248	---	---
11N20SISO	Ant1	5745	18.359	5735.7940	5754.1530	---	---
		5785	18.313	5775.8095	5794.1225	---	---
		5825	18.334	5815.7858	5834.1198	---	---
11N40SISO	Ant1	5755	36.555	5736.7421	5773.2971	---	---
		5795	36.567	5776.7446	5813.3116	---	---
11AC20SISO	Ant1	5745	18.013	5735.9967	5754.0097	---	---
		5785	17.987	5776.0081	5793.9951	---	---
		5825	18.015	5815.9756	5833.9906	---	---
11AC40SISO	Ant1	5755	36.344	5736.8612	5773.2052	---	---
		5795	36.415	5776.8351	5813.2501	---	---
11AC80SISO	Ant1	5775	75.454	5737.3377	5812.7917	---	---

Test Graphs

11A_Ant1_5745



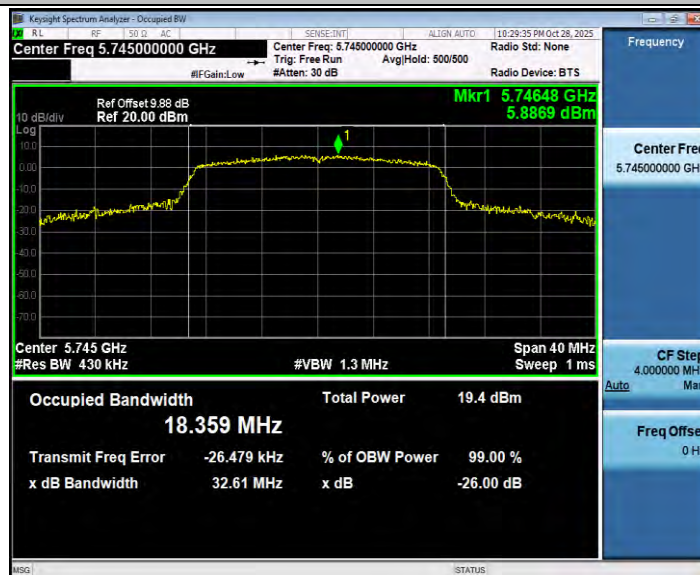
11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



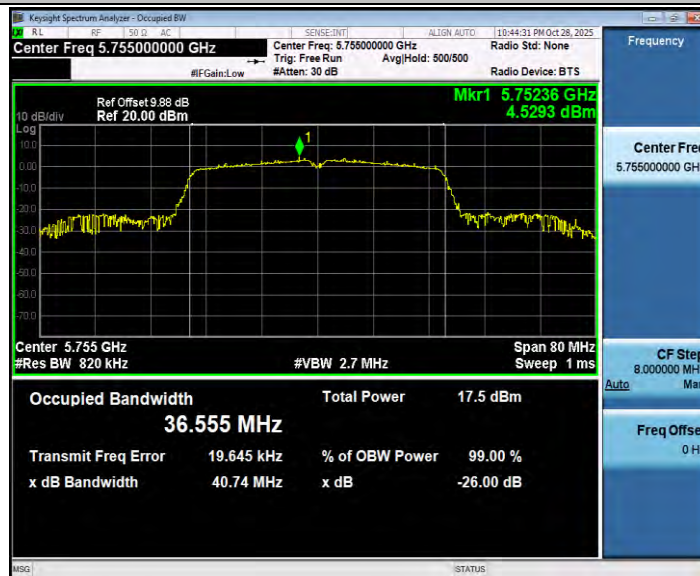
11N20SISO_Ant1_5785



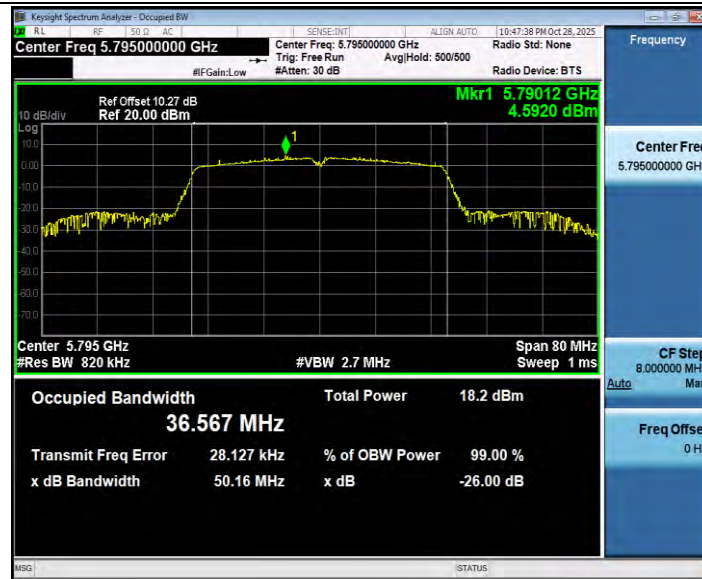
11N20SISO_Ant1_5825



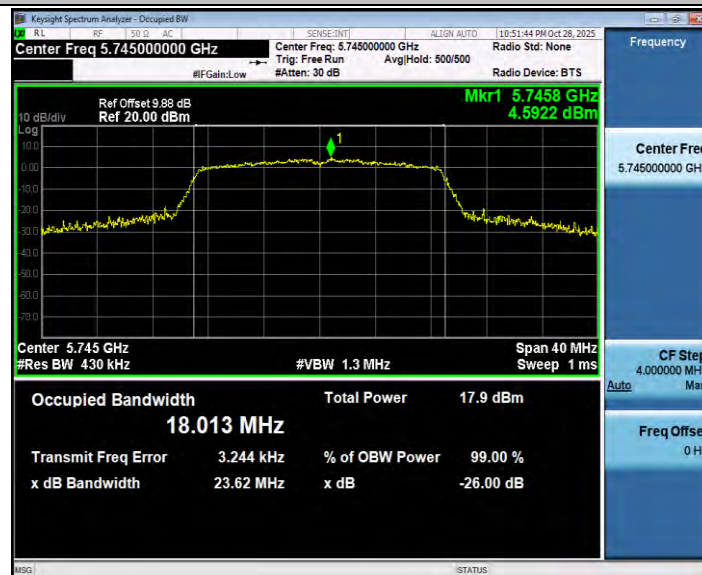
11N40SISO_Ant1_5755



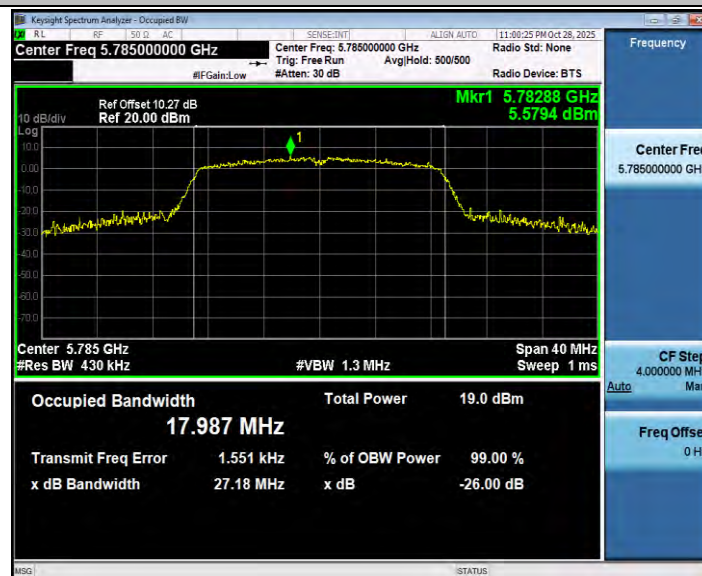
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



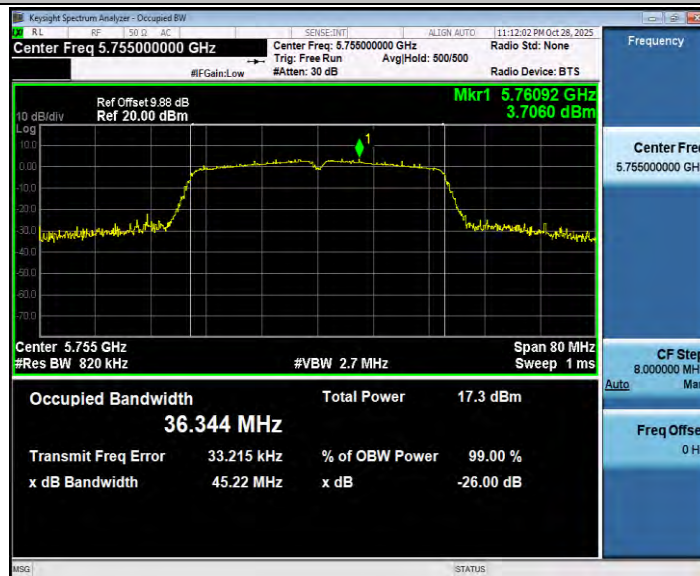
11AC20SISO_Ant1_5785



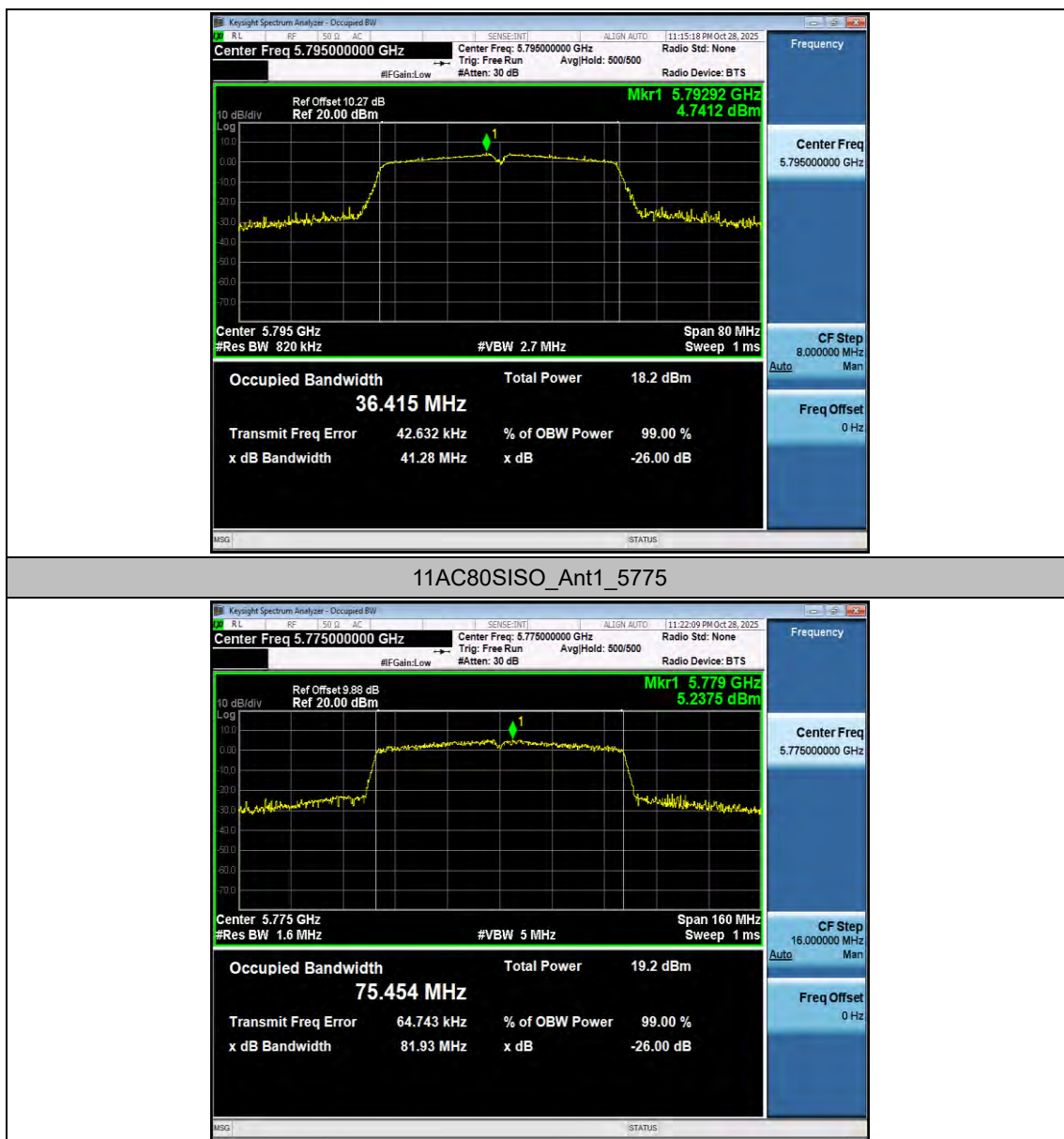
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



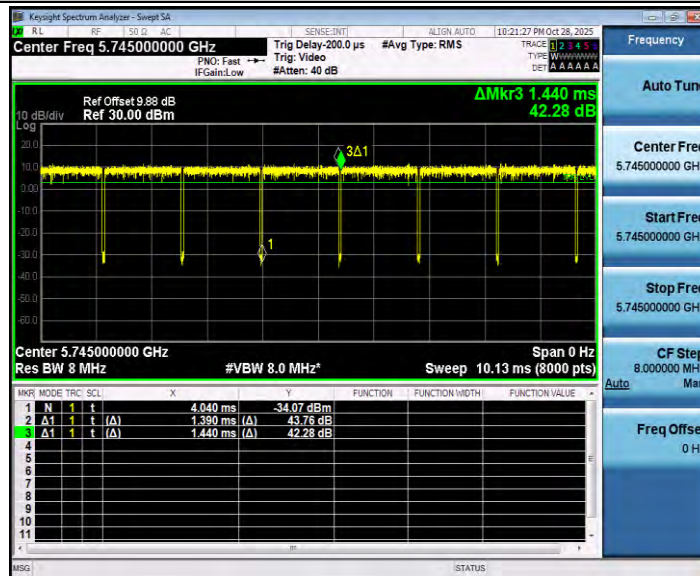
AppendixG.3: Duty Cycle

Test Result

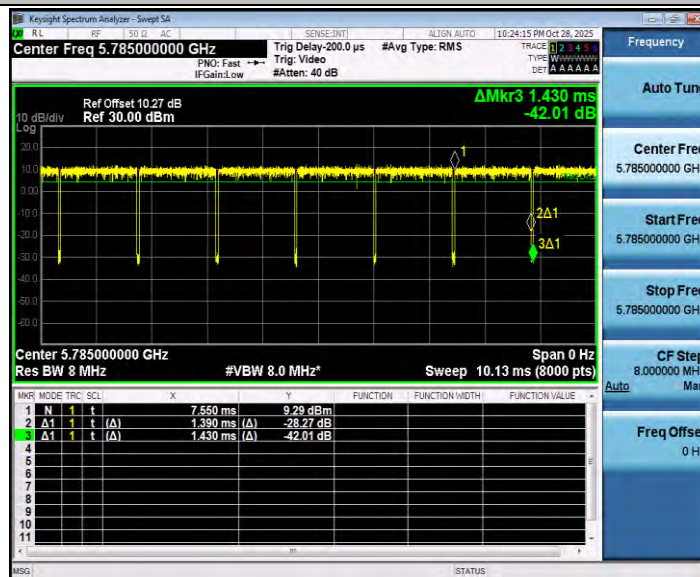
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	1.39	1.44	96.53	0.15	0.72
		5785	1.39	1.43	97.20	0.12	0.72
		5825	1.39	1.44	96.53	0.15	0.72
11N20SISO	Ant1	5745	1.30	1.35	96.30	0.16	0.77
		5785	1.30	1.34	97.01	0.13	0.77
		5825	1.30	1.34	97.01	0.13	0.77
11N40SISO	Ant1	5755	0.64	0.69	92.75	0.33	1.56
		5795	0.65	0.69	94.20	0.26	1.54
11AC20SISO	Ant1	5745	1.31	1.35	97.04	0.13	0.76
		5785	1.32	1.36	97.06	0.13	0.76
		5825	1.32	1.36	97.06	0.13	0.76
11AC40SISO	Ant1	5755	0.65	0.70	92.86	0.32	1.54
		5795	0.65	0.70	92.86	0.32	1.54
11AC80SISO	Ant1	5775	0.32	0.37	86.49	0.63	3.13

Test Graphs

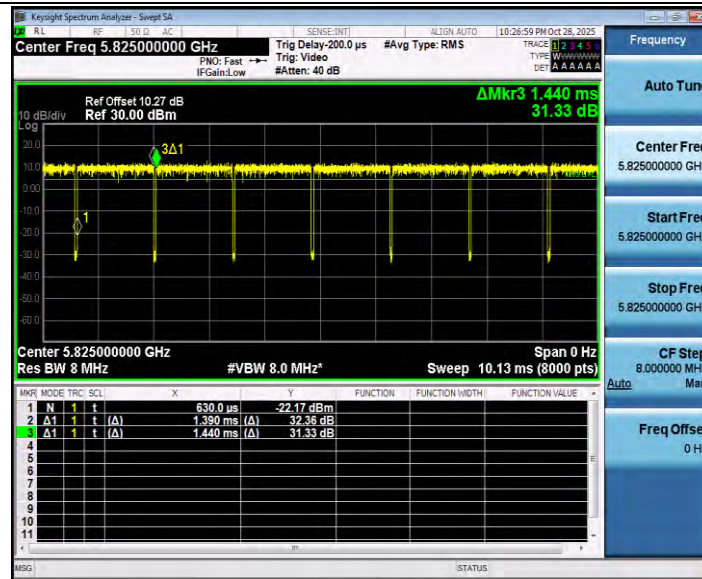
11A_Ant1_5745



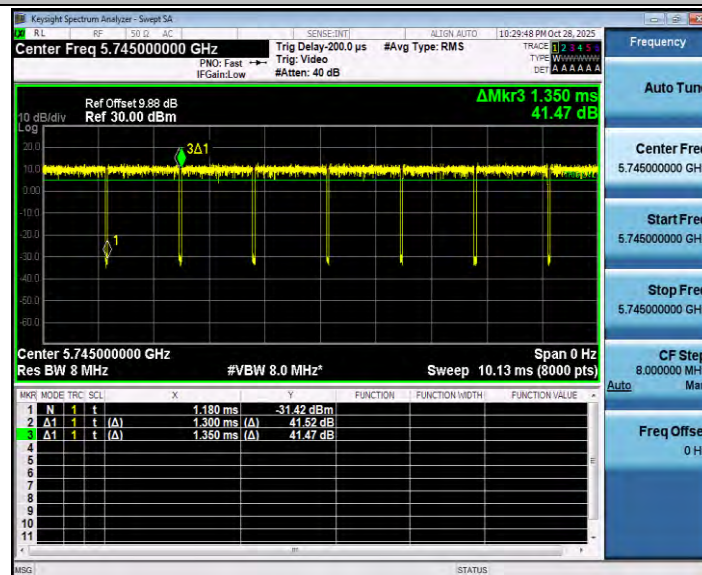
11A_Ant1_5785



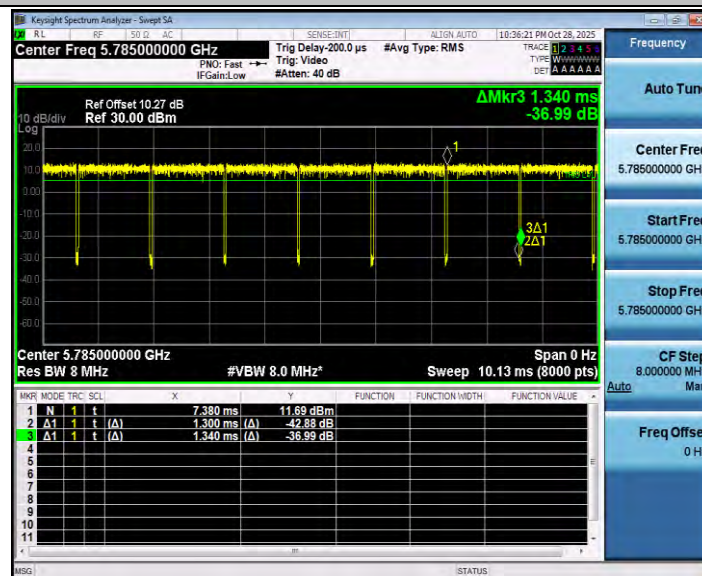
11A_Ant1_5825



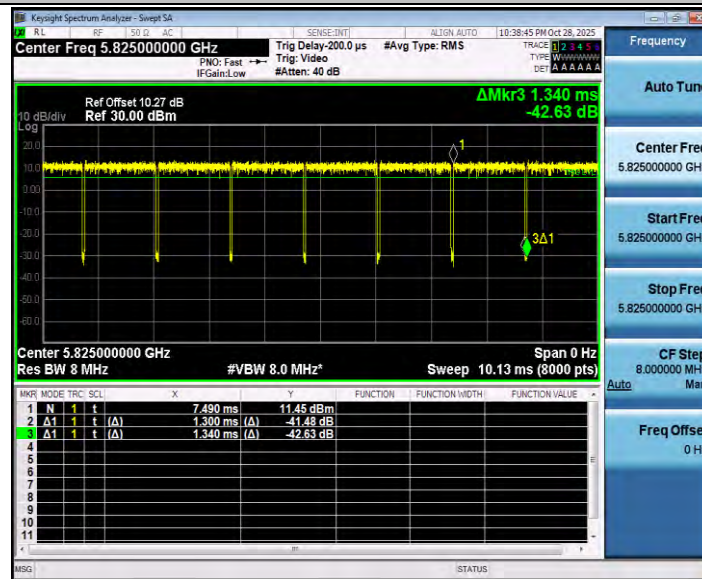
11N20SISO_Ant1_5745



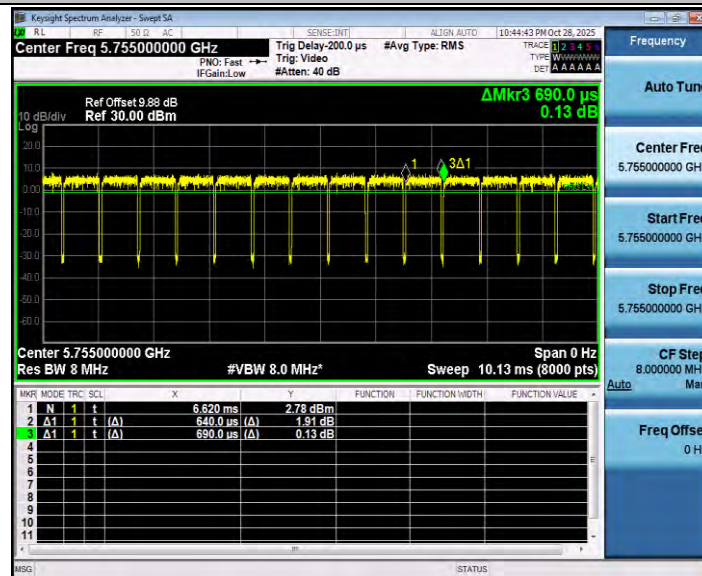
11N20SISO_Ant1_5785



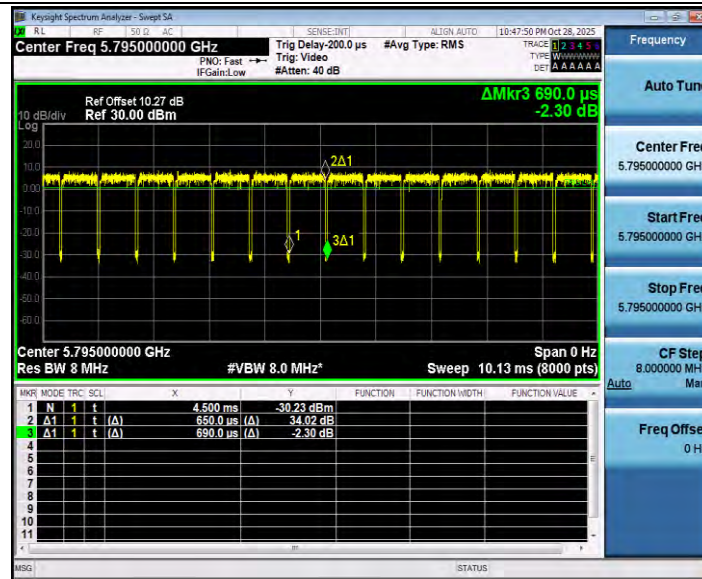
11N20SISO_Ant1_5825



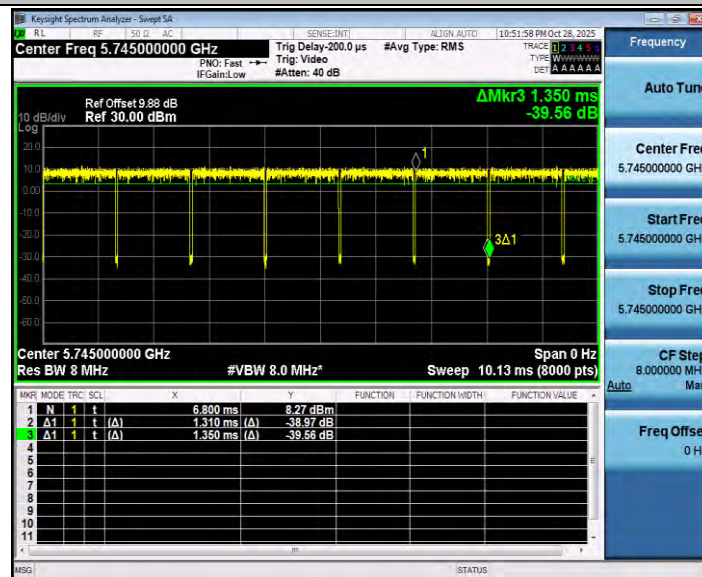
11N40SISO_Ant1_5755



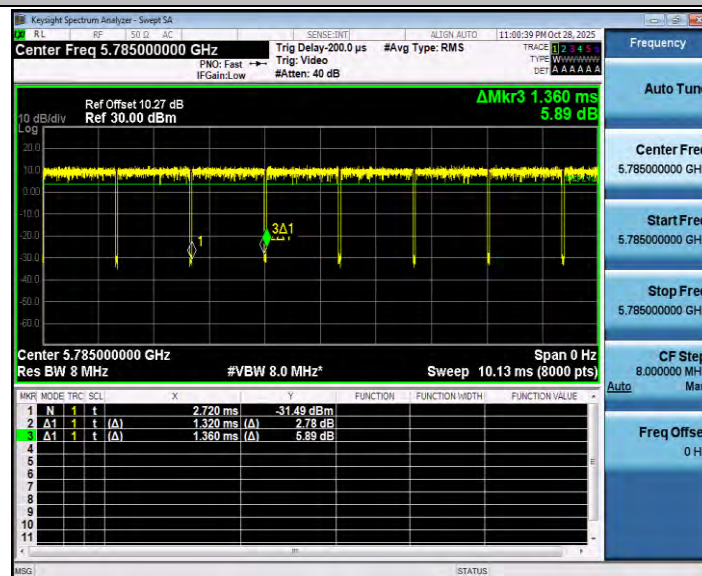
11N40SISO_Ant1_5795



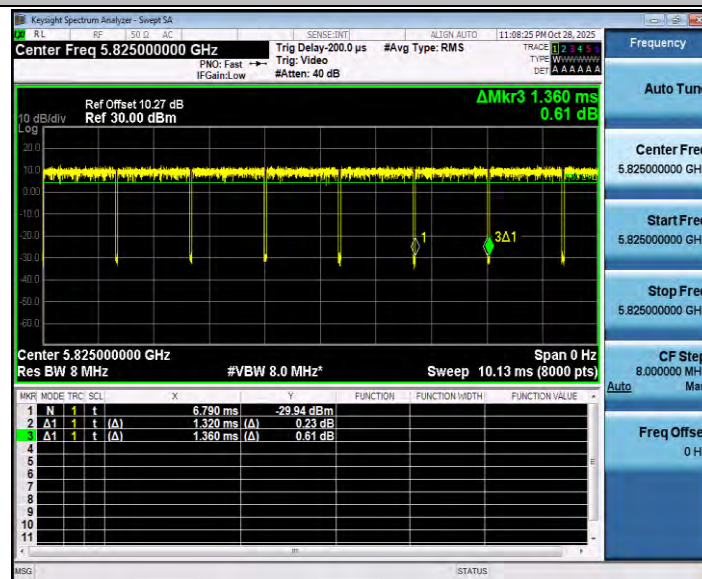
11AC20SISO_Ant1_5745



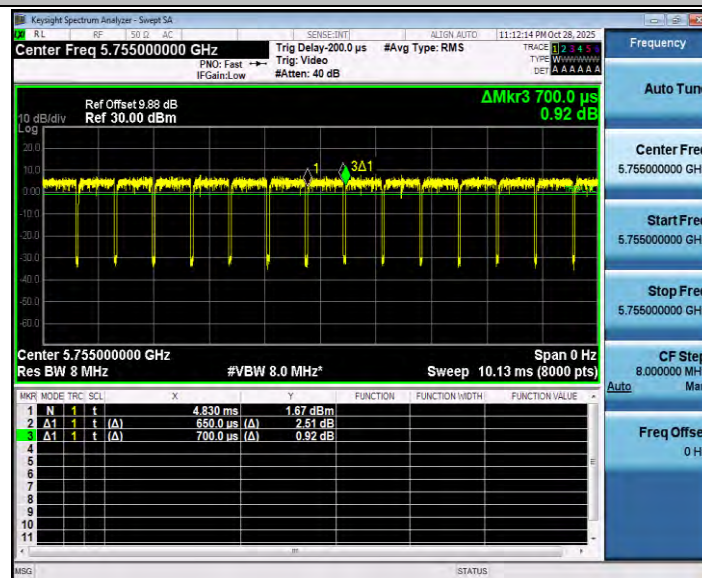
11AC20SISO_Ant1_5785



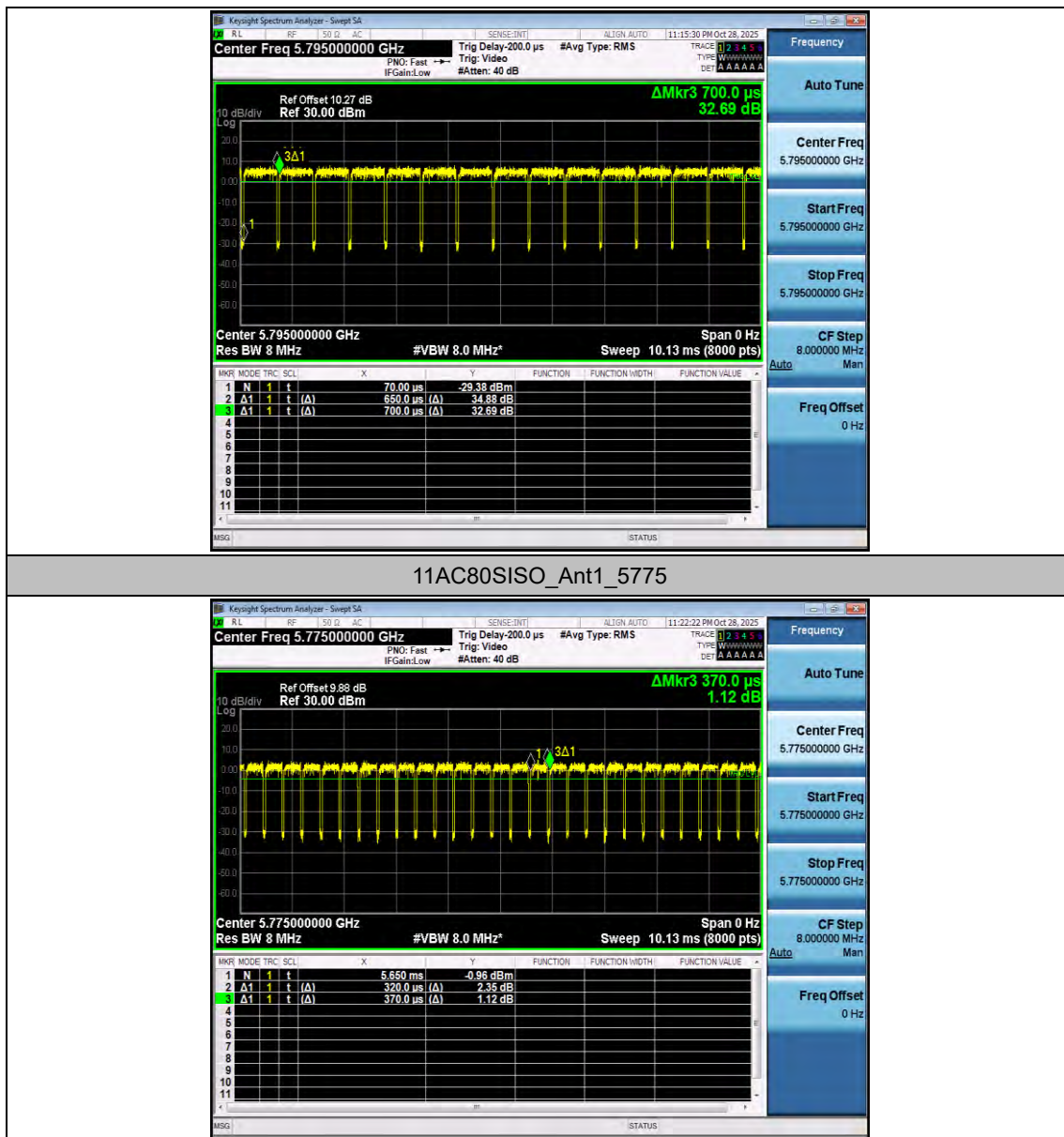
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



Appendix G.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	10.94	96.53	0.15	11.09	≤30.00	PASS
		5785	11.76	97.20	0.12	11.88	≤30.00	PASS
		5825	11.88	96.53	0.15	12.03	≤30.00	PASS
11N20SISO	Ant1	5745	12.53	96.30	0.16	12.69	≤30.00	PASS
		5785	13.41	97.01	0.13	13.54	≤30.00	PASS
		5825	13.42	97.01	0.13	13.55	≤30.00	PASS
11N40SISO	Ant1	5755	10.01	92.75	0.33	10.34	≤30.00	PASS
		5795	10.69	94.20	0.26	10.95	≤30.00	PASS
11AC20SISO	Ant1	5745	11.10	97.04	0.13	11.23	≤30.00	PASS
		5785	12.18	97.06	0.13	12.31	≤30.00	PASS
		5825	12.24	97.06	0.13	12.37	≤30.00	PASS
11AC40SISO	Ant1	5755	9.69	92.86	0.32	10.01	≤30.00	PASS
		5795	10.52	92.86	0.32	10.84	≤30.00	PASS
11AC80SISO	Ant1	5775	9.71	86.49	0.63	10.34	≤30.00	PASS

Appendix G.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-2.11	≤30.00	PASS
		5785	-1.43	≤30.00	PASS
		5825	-1.15	≤30.00	PASS
11N20SISO	Ant1	5745	-0.73	≤30.00	PASS
		5785	0.03	≤30.00	PASS
		5825	0.14	≤30.00	PASS
11N40SISO	Ant1	5755	-5.86	≤30.00	PASS
		5795	-5.35	≤30.00	PASS
11AC20SISO	Ant1	5745	-2.29	≤30.00	PASS
		5785	-1.31	≤30.00	PASS
		5825	-1.27	≤30.00	PASS
11AC40SISO	Ant1	5755	-6.19	≤30.00	PASS
		5795	-5.42	≤30.00	PASS
11AC80SISO	Ant1	5775	-8.69	≤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

The screenshot displays a Keysight Spectrum Analyzer interface. The main plot shows a signal with a peak at 5.77244 GHz, marked with a green arrow and labeled 'Mkr1 5.772 44 GHz -8.692 dBm'. The plot is set to a center frequency of 5.775000000 GHz, a span of 160.0 MHz, and a resolution bandwidth of 300 kHz. The y-axis is labeled '10 dB/div' and 'Log'. The x-axis is labeled 'Center Freq 5.775000000 GHz'. The right side of the screen shows various settings: Frequency, Auto Tune, Center Freq, Start Freq, Stop Freq, CF Step, Freq Offset, and Span. The bottom status bar shows 'MISC' and 'STATUS'.