

Case No. : <u>GTS20250825004-1-14</u>
Ambient Condition: <u>23</u> °C, <u>49</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2025.09.03-2025.09.26</u> Test Engineer: <u>Evan ouyang</u>

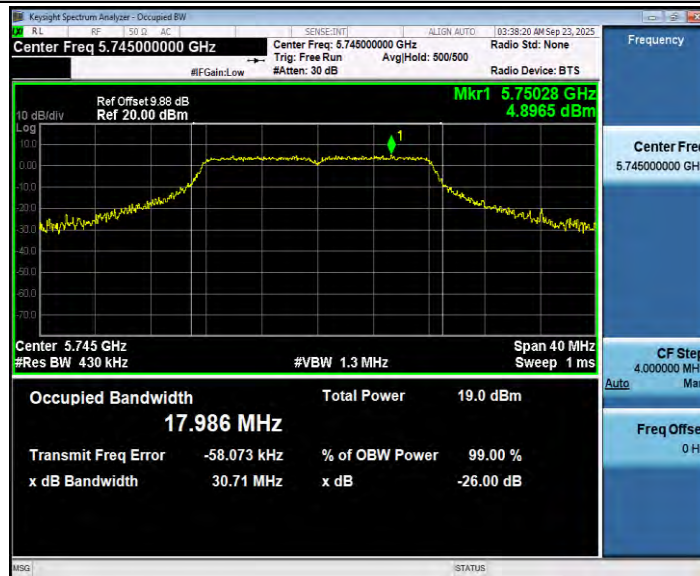
AppendixG.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.986	5735.9489	5753.9349	---	---
		5785	17.970	5775.8546	5793.8246	---	---
		5825	18.069	5815.8055	5833.8745	---	---
11N20SISO	Ant1	5745	19.031	5735.5046	5754.5356	---	---
		5785	18.971	5775.3970	5794.3680	---	---
		5825	18.924	5815.4495	5834.3735	---	---
11N40SISO	Ant1	5755	37.600	5736.2409	5773.8409	---	---
		5795	37.623	5776.0902	5813.7132	---	---
11AC20SISO	Ant1	5745	18.982	5735.5547	5754.5367	---	---
		5785	18.999	5775.4169	5794.4159	---	---
		5825	19.096	5815.3633	5834.4593	---	---
11AC40SISO	Ant1	5755	37.619	5736.2122	5773.8312	---	---
		5795	37.580	5776.1136	5813.6936	---	---
11AC80SISO	Ant1	5775	76.988	5736.2409	5813.2289	---	---
11AX20SISO	Ant1	5745	19.629	5735.2183	5754.8473	---	---
		5785	19.702	5775.1448	5794.8468	---	---
		5825	19.671	5815.1281	5834.7991	---	---
11AX40SISO	Ant1	5755	38.559	5735.7190	5774.2780	---	---
		5795	38.427	5775.7117	5814.1387	---	---
11AX80SISO	Ant1	5775	78.038	5735.9171	5813.9551	---	---

Test Graphs

11A_Ant1_5745



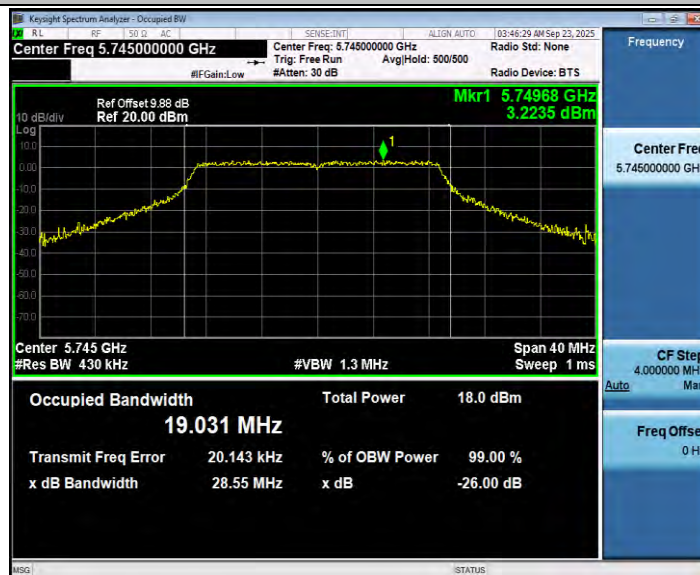
11A_Ant1_5785



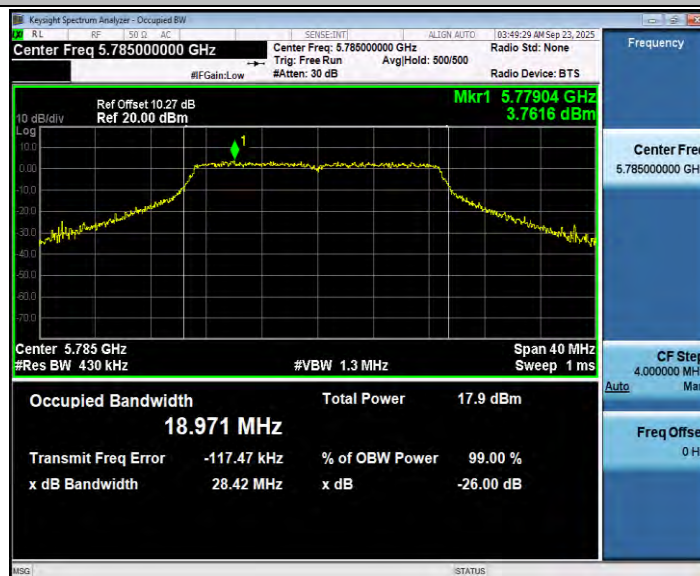
11A_Ant1_5825



11N20SISO_Ant1_5745



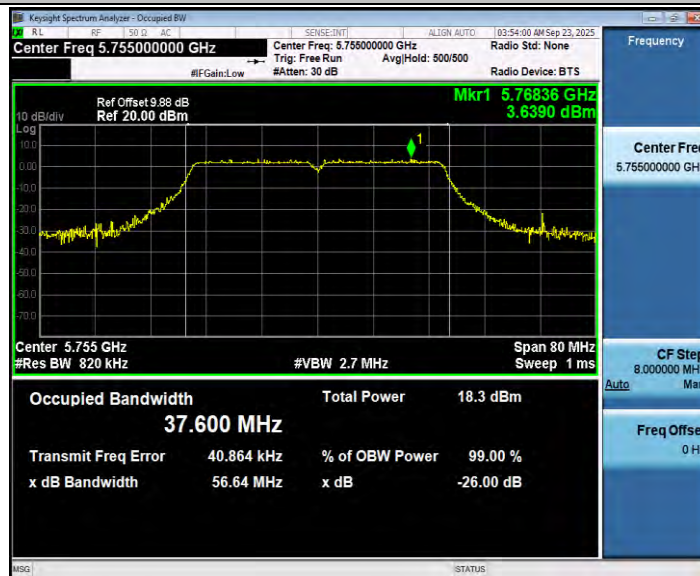
11N20SISO_Ant1_5785



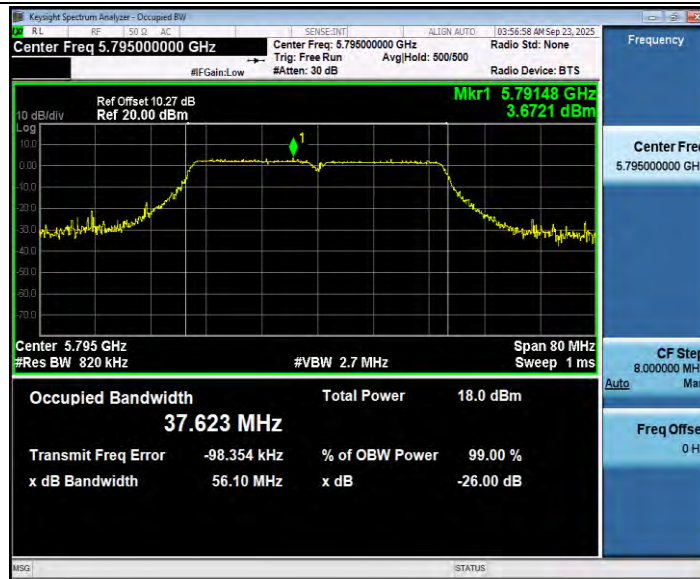
11N20SISO_Ant1_5825



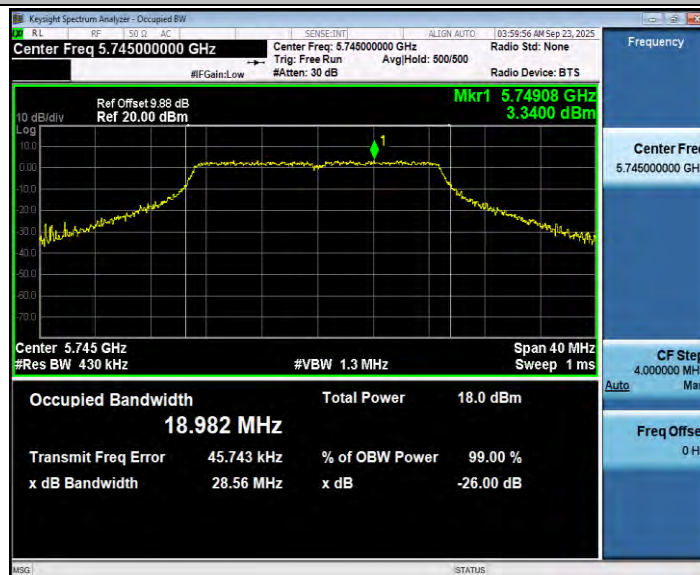
11N40SISO_Ant1_5755



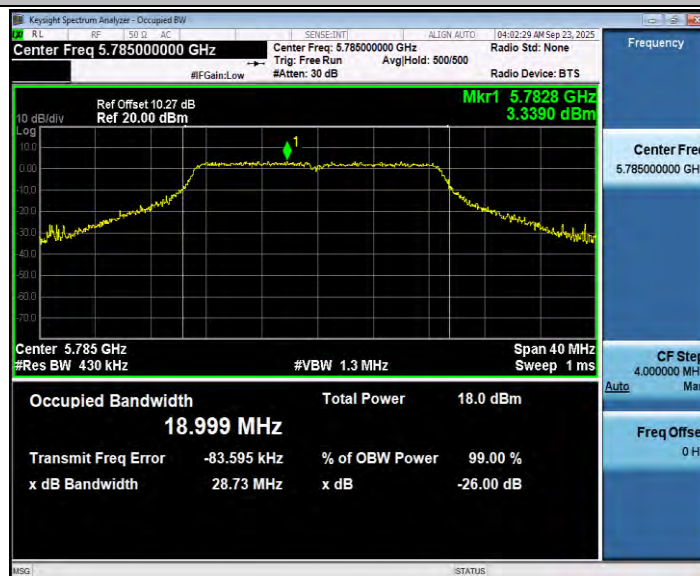
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



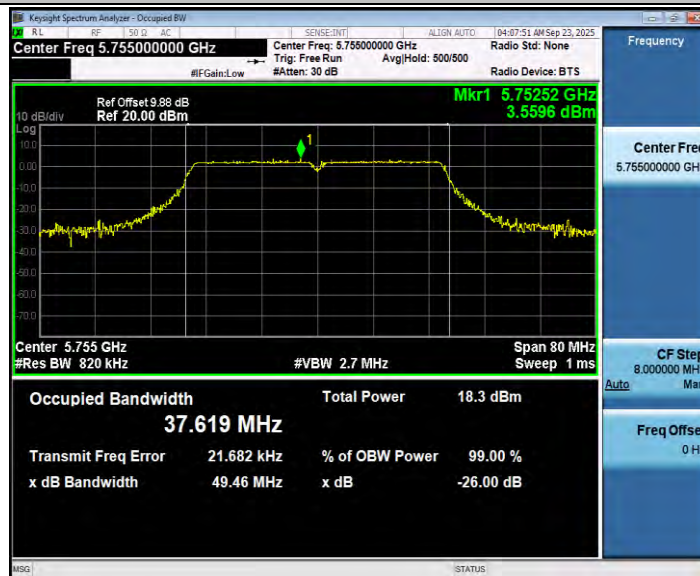
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



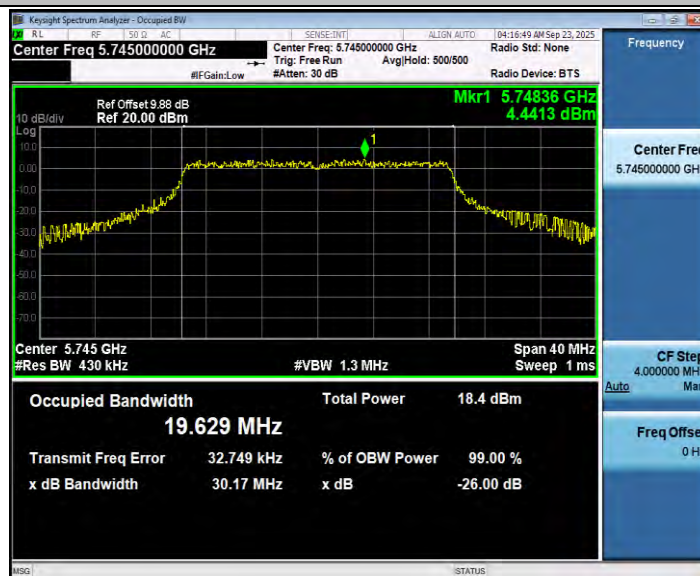
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



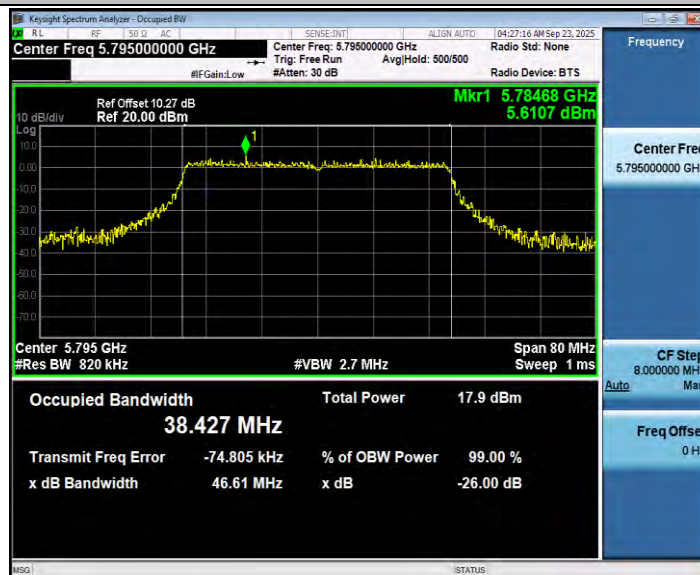
11AX20SISO_Ant1_5825



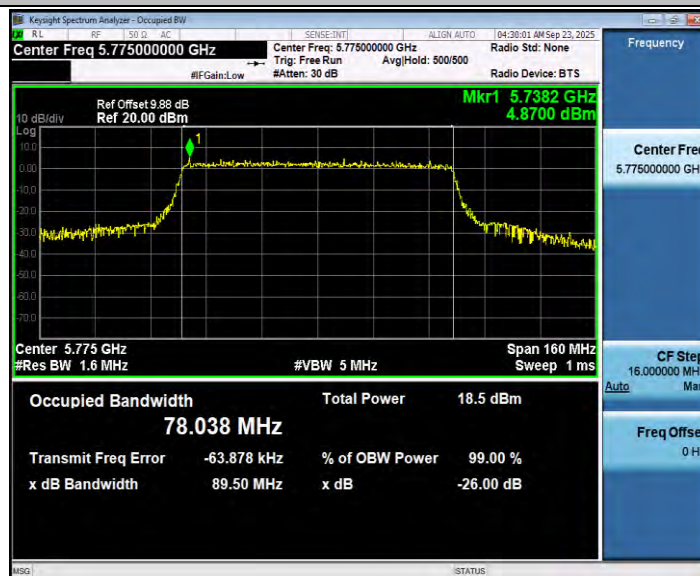
11AX40SISO_Ant1_5755



11AX40ISO_Ant1_5795



11AX80ISO_Ant1_5775



AppendixG.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	5736.200	5753.800	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	36.400	5776.760	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.600	5736.200	5753.800	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
11AC80SISO	Ant1	5775	76.320	5736.760	5813.080	0.5	PASS
11AX20SISO	Ant1	5745	18.960	5735.520	5754.480	0.5	PASS
		5785	19.000	5775.480	5794.480	0.5	PASS
		5825	18.960	5815.480	5834.440	0.5	PASS
11AX40SISO	Ant1	5755	38.160	5735.880	5774.040	0.5	PASS
		5795	38.000	5775.960	5813.960	0.5	PASS
11AX80SISO	Ant1	5775	78.080	5735.960	5814.040	0.5	PASS

Test Graphs B4

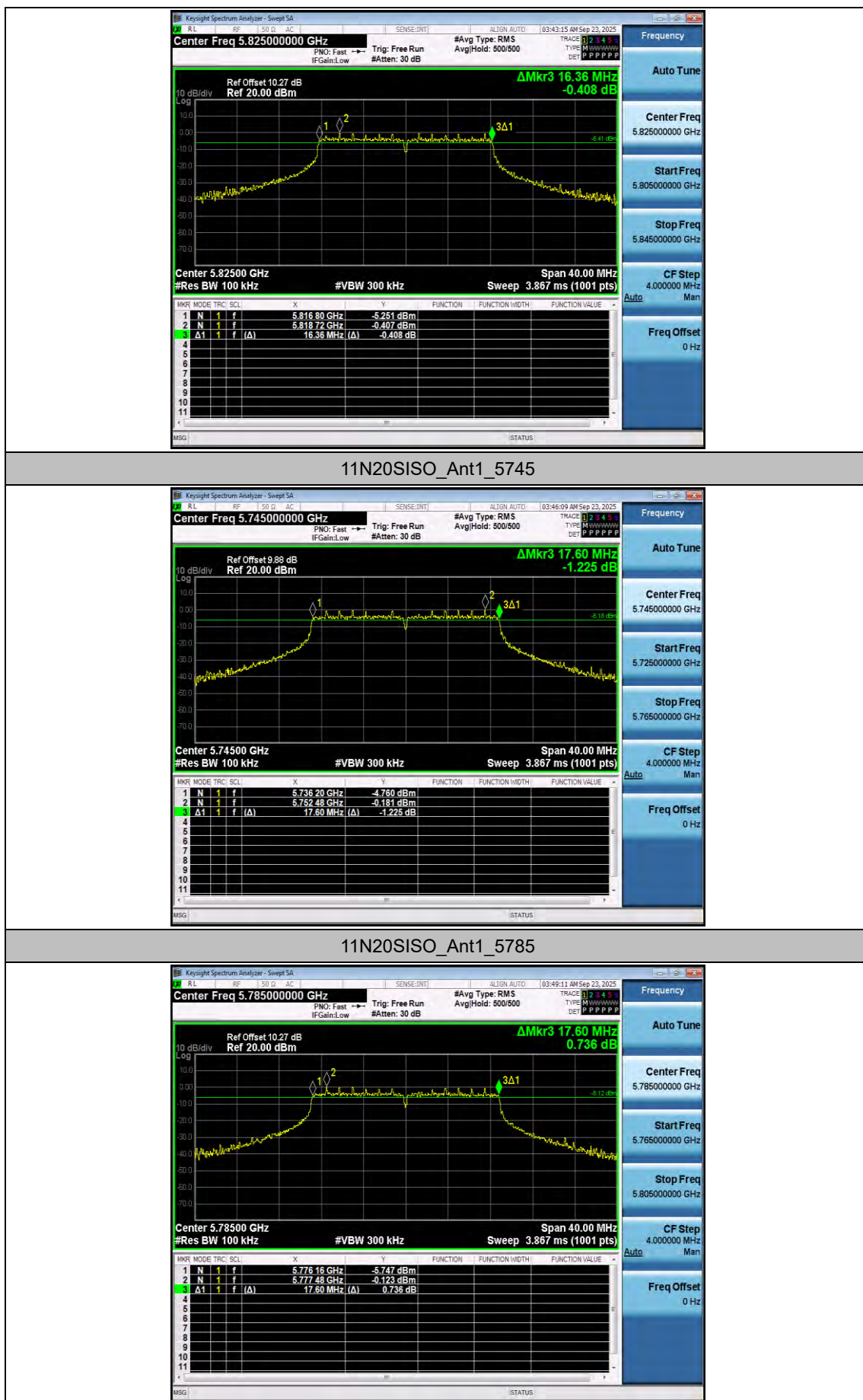
11A_Ant1_5745



11A_Ant1_5785



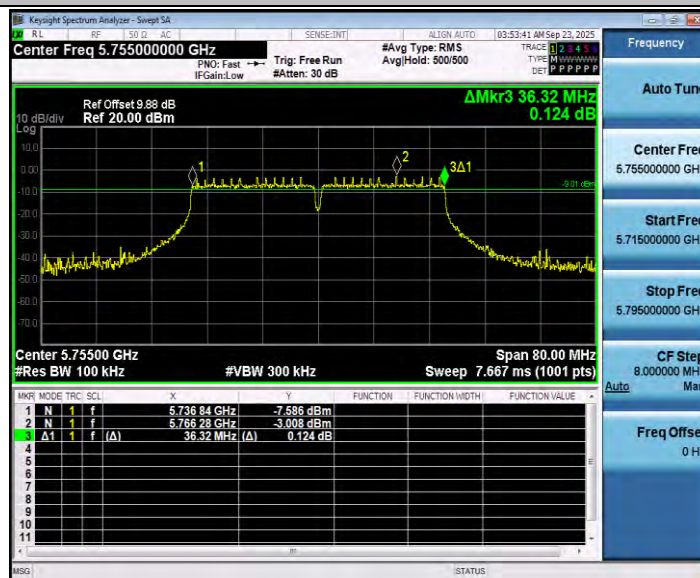
11A_Ant1_5825



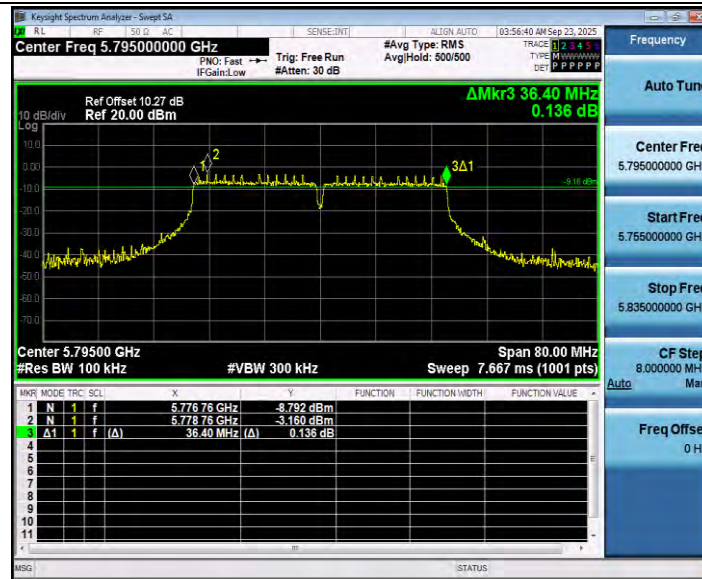
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



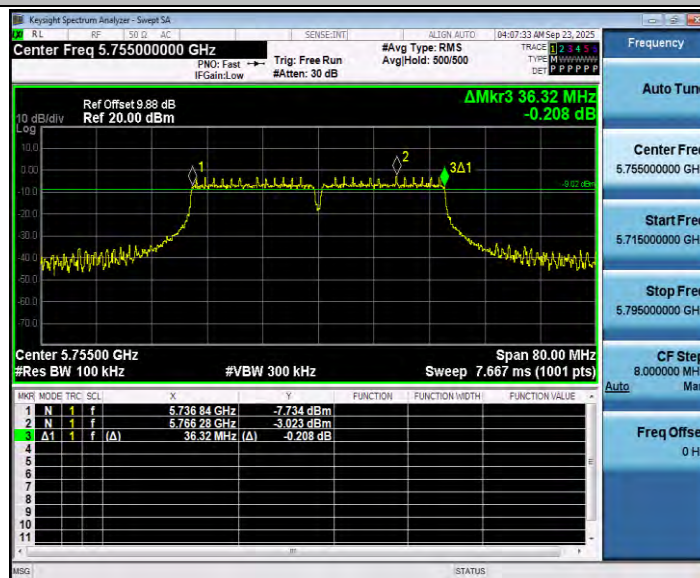
11AC20SISO_Ant1_5785



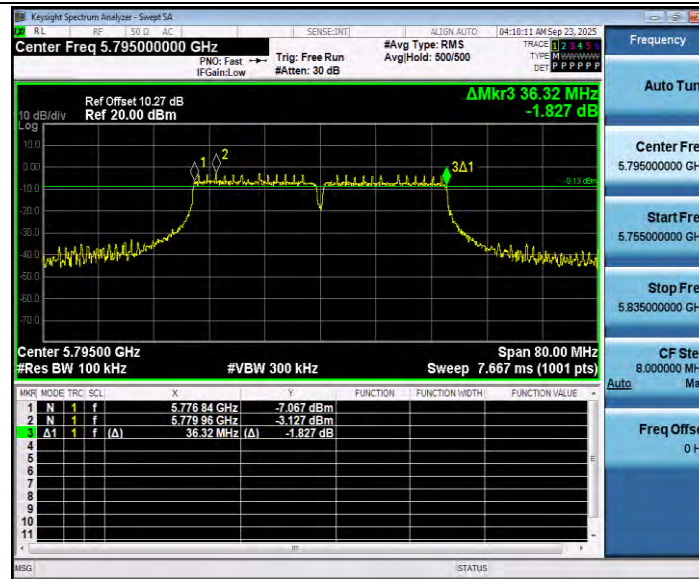
11AC20SISO_Ant1_5825



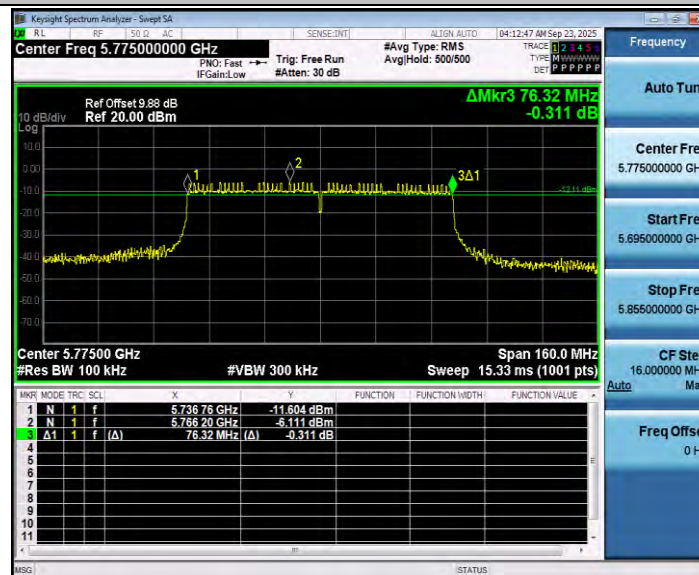
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



11AX20SISO_Ant1_5745



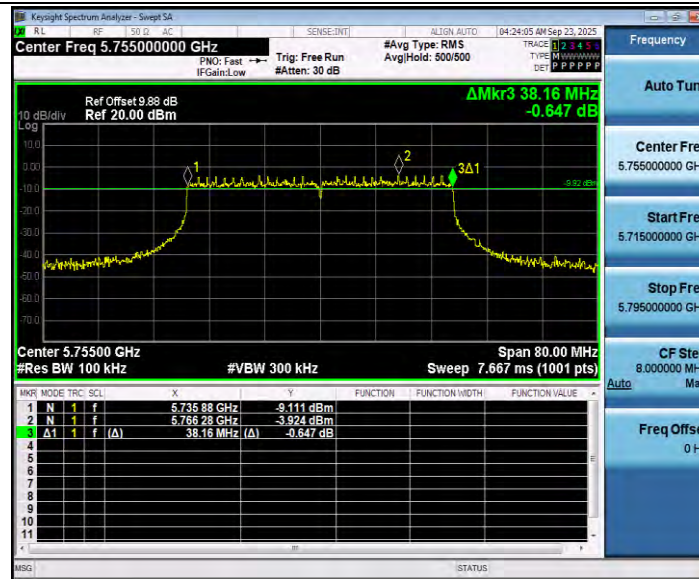
11AX20SISO_Ant1_5785



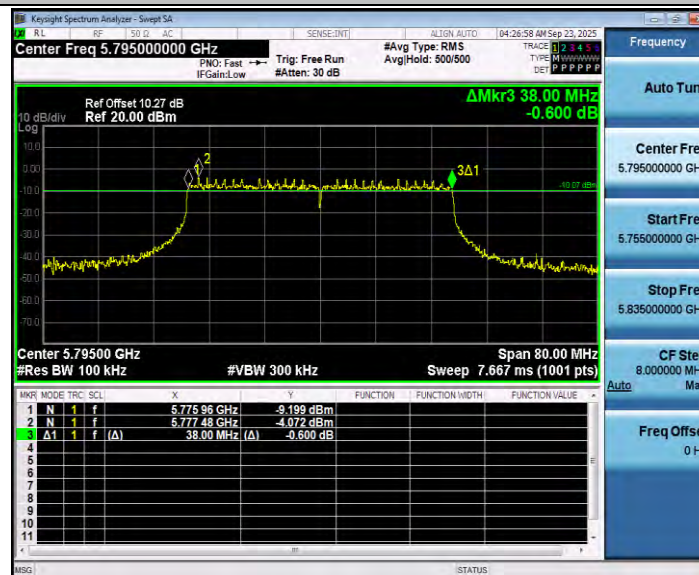
11AX20SISO_Ant1_5825



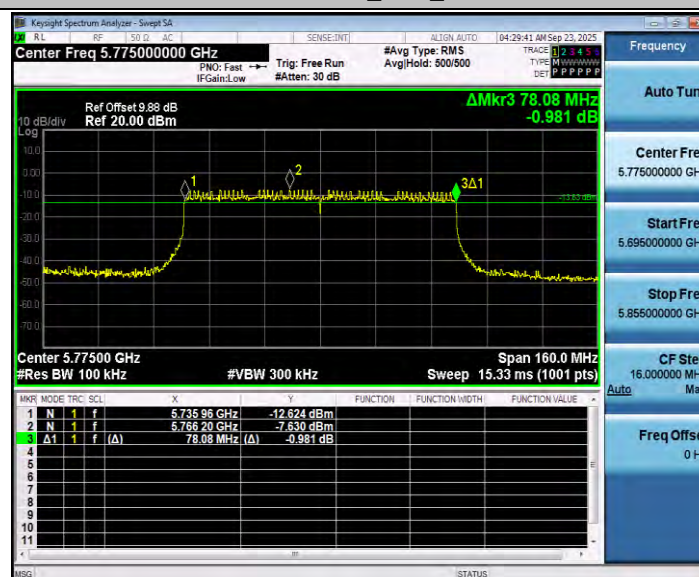
11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



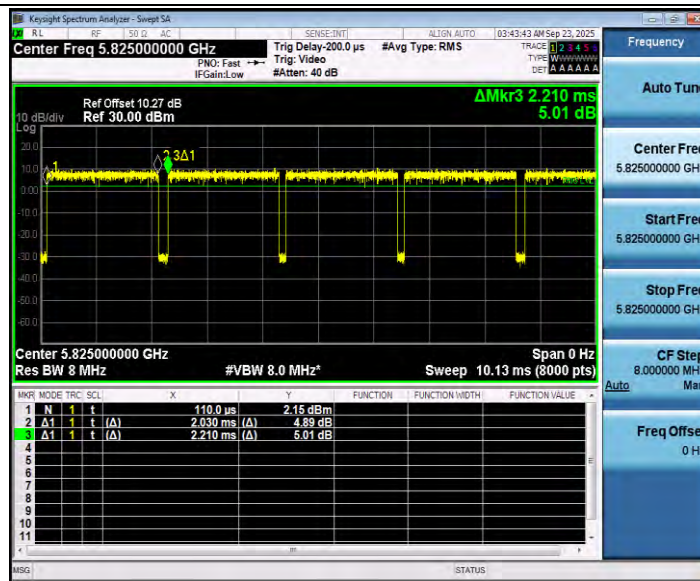
11AX80SISO_Ant1_5775



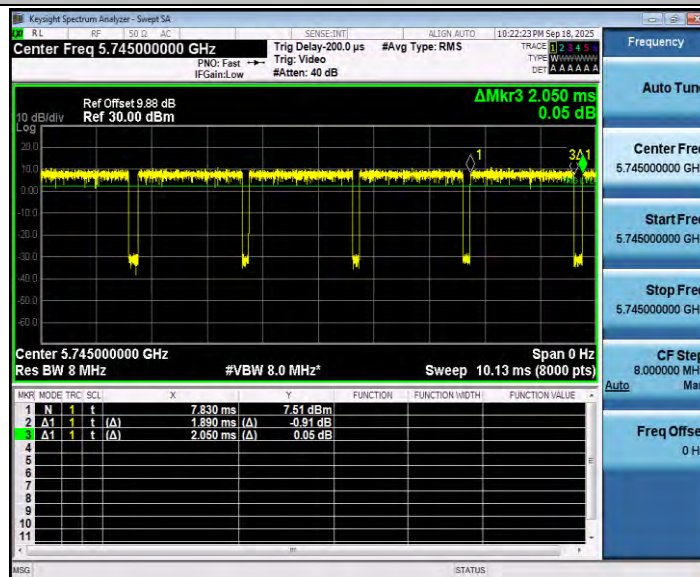
AppendixG.3: Duty Cycle

Test Result

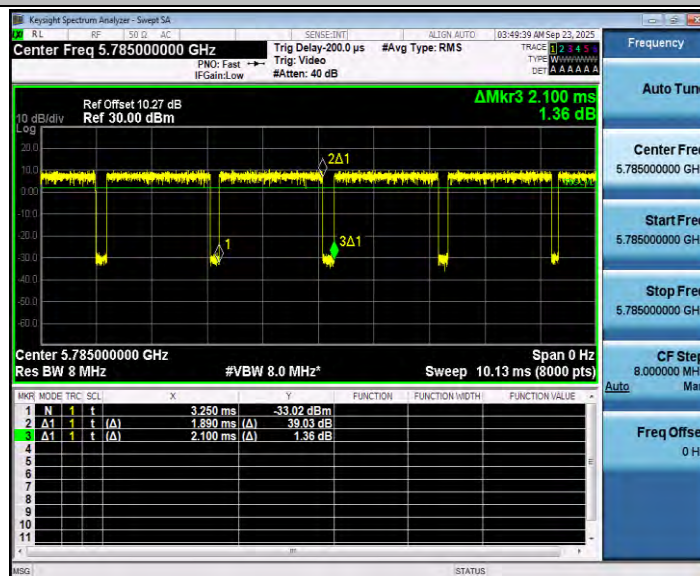
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	2.03	2.15	94.42	0.25	0.49
		5785	2.04	2.18	93.58	0.29	0.49
		5825	2.03	2.21	91.86	0.37	0.49
11N20SISO	Ant1	5745	1.90	2.58	73.64	1.33	0.53
		5785	1.90	2.11	90.05	0.46	0.53
		5825	1.90	2.08	91.35	0.39	0.53
11N40SISO	Ant1	5755	0.93	1.09	85.32	0.69	1.08
		5795	0.93	1.24	75.00	1.25	1.08
11AC20SISO	Ant1	5745	1.90	2.18	87.16	0.60	0.53
		5785	1.90	2.13	89.20	0.50	0.53
		5825	1.90	2.13	89.20	0.50	0.53
11AC40SISO	Ant1	5755	0.94	1.09	86.24	0.64	1.06
		5795	0.94	1.18	79.66	0.99	1.06
11AC80SISO	Ant1	5775	0.46	0.69	66.67	1.76	2.17
11AX20SISO	Ant1	5745	1.46	1.61	90.68	0.42	0.68
		5785	1.46	1.76	82.95	0.81	0.68
		5825	1.46	1.69	86.39	0.64	0.68
11AX40SISO	Ant1	5755	0.76	0.94	80.85	0.92	1.32
		5795	0.77	1.00	77.00	1.14	1.30
11AX80SISO	Ant1	5775	0.40	0.64	62.50	2.04	2.50



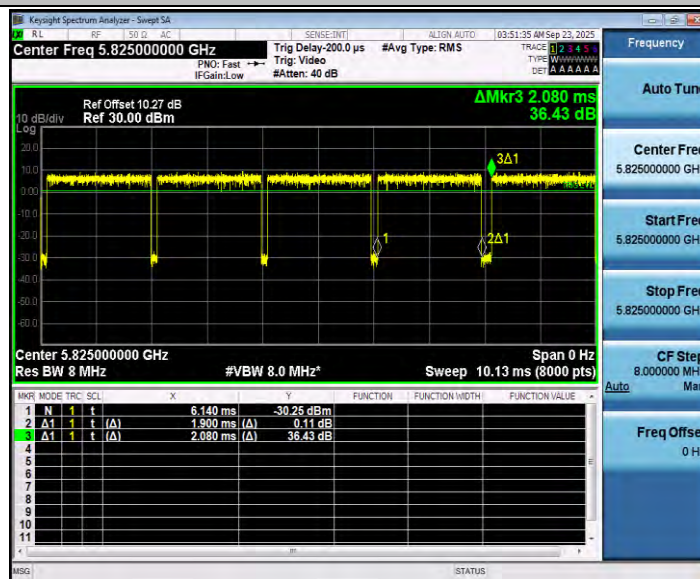
11N20SISO_Ant1_5745



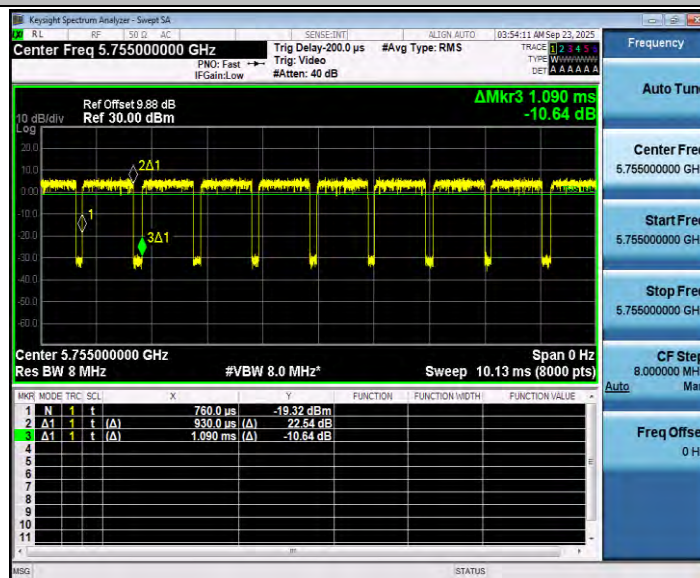
11N20SISO_Ant1_5785



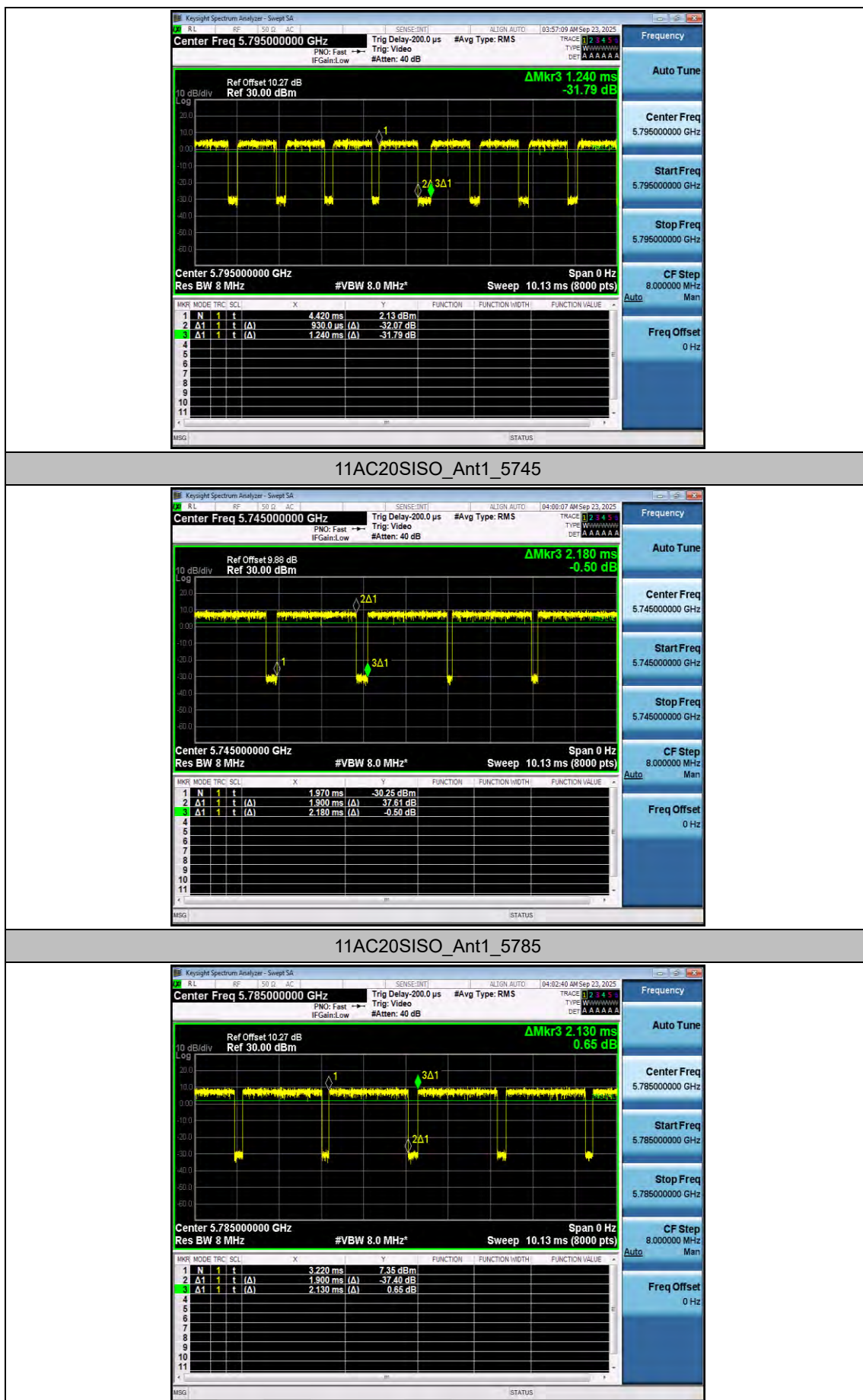
11N20SISO_Ant1_5825

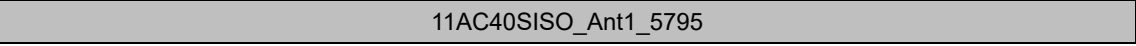
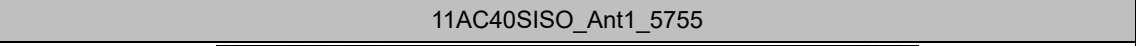


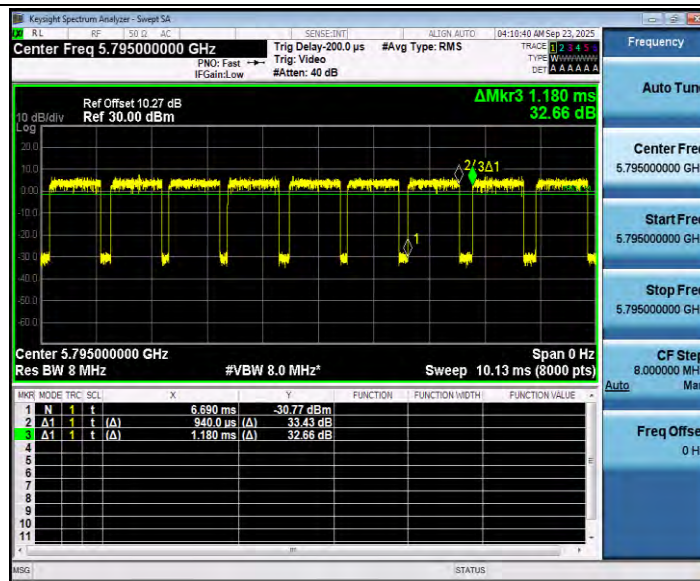
11N40SISO_Ant1_5755



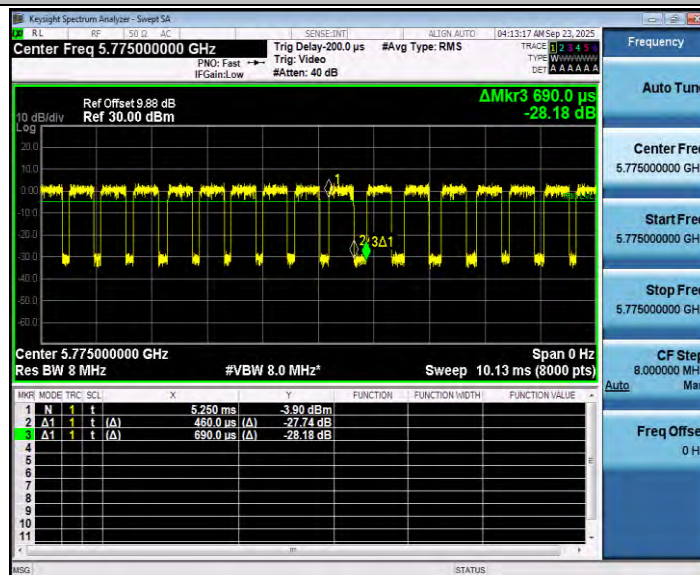
11N40SISO_Ant1_5795



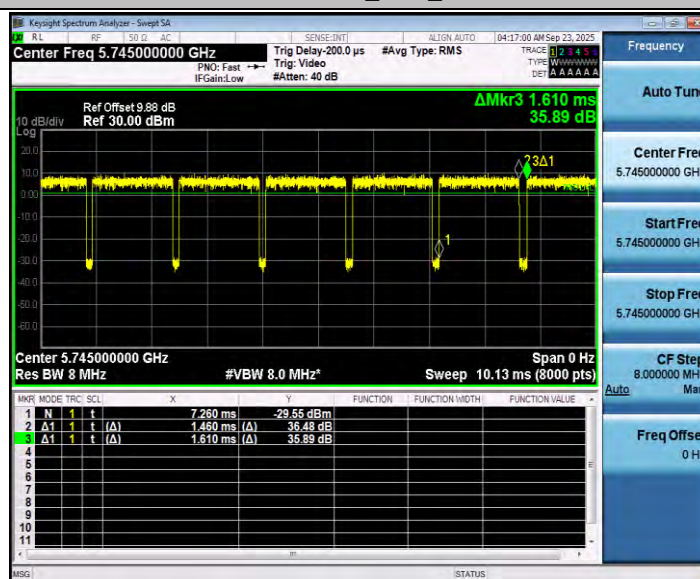




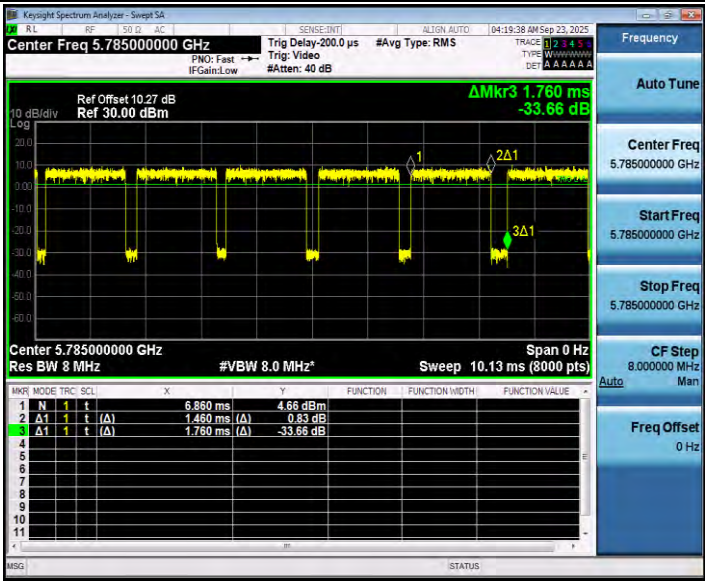
11AC80SISO_Ant1_5775



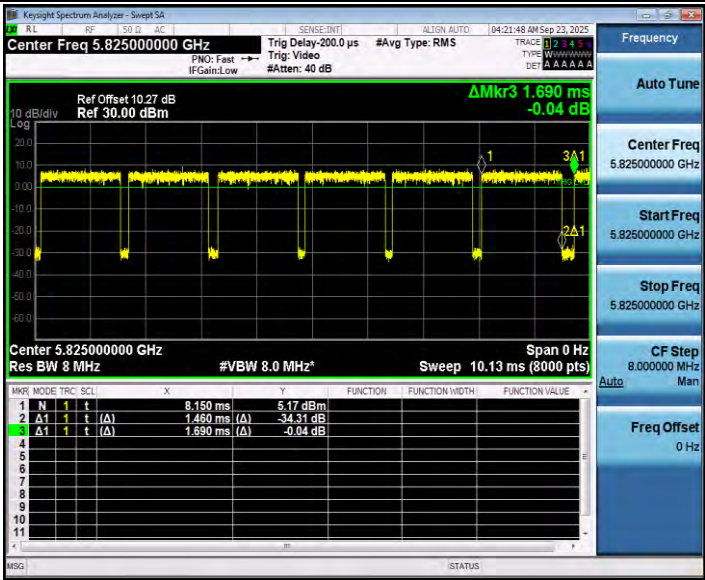
11AX20SISO_Ant1_5745



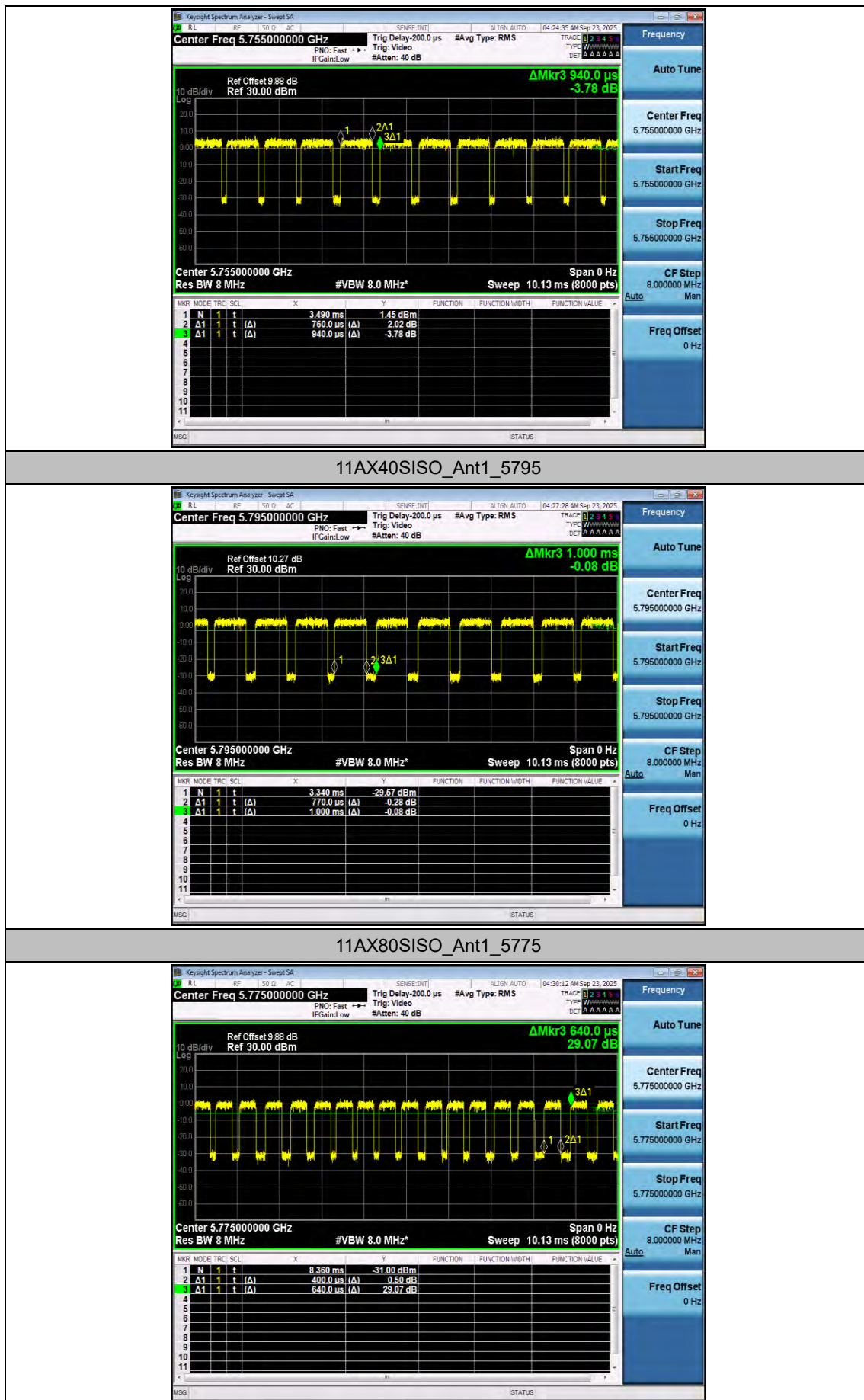
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



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	11.85	94.42	0.25	12.10	≤30.00	PASS
		5785	11.81	93.58	0.29	12.10	≤30.00	PASS
		5825	10.53	91.86	0.37	10.90	≤30.00	PASS
11N20SISO	Ant1	5745	10.79	73.64	1.33	12.12	≤30.00	PASS
		5785	10.66	90.05	0.46	11.12	≤30.00	PASS
		5825	9.63	91.35	0.39	10.02	≤30.00	PASS
11N40SISO	Ant1	5755	10.26	85.32	0.69	10.95	≤30.00	PASS
		5795	9.93	75.00	1.25	11.18	≤30.00	PASS
11AC20SISO	Ant1	5745	10.74	87.16	0.60	11.34	≤30.00	PASS
		5785	10.78	89.20	0.50	11.28	≤30.00	PASS
		5825	9.75	89.20	0.50	10.25	≤30.00	PASS
11AC40SISO	Ant1	5755	10.40	86.24	0.64	11.04	≤30.00	PASS
		5795	10.14	79.66	0.99	11.13	≤30.00	PASS
11AC80SISO	Ant1	5775	9.69	66.67	1.76	11.45	≤30.00	PASS
11AX20SISO	Ant1	5745	9.74	90.68	0.42	10.16	≤30.00	PASS
		5785	9.45	82.95	0.81	10.26	≤30.00	PASS
		5825	8.62	86.39	0.64	9.26	≤30.00	PASS
11AX40SISO	Ant1	5755	9.33	80.85	0.92	10.25	≤30.00	PASS
		5795	8.31	77.00	1.14	9.45	≤30.00	PASS
11AX80SISO	Ant1	5775	7.84	62.50	2.04	9.88	≤30.00	PASS

AppendixG.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-2.29	≤30.00	PASS
		5785	-2.24	≤30.00	PASS
		5825	-3.29	≤30.00	PASS
11N20SISO	Ant1	5745	-2.57	≤30.00	PASS
		5785	-3.35	≤30.00	PASS
		5825	-4.32	≤30.00	PASS
11N40SISO	Ant1	5755	-6.43	≤30.00	PASS
		5795	-5.88	≤30.00	PASS
11AC20SISO	Ant1	5745	-3.29	≤30.00	PASS
		5785	-3.28	≤30.00	PASS
		5825	-4.18	≤30.00	PASS
11AC40SISO	Ant1	5755	-6.53	≤30.00	PASS
		5795	-6.19	≤30.00	PASS
11AC80SISO	Ant1	5775	-8.92	≤30.00	PASS
11AX20SISO	Ant1	5745	-4.76	≤30.00	PASS
		5785	-4.37	≤30.00	PASS
		5825	-5.43	≤30.00	PASS
11AX40SISO	Ant1	5755	-7.73	≤30.00	PASS
		5795	-7.84	≤30.00	PASS
11AX80SISO	Ant1	5775	-10.56	≤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



11AC80SISO_Ant1_5775



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775

