

Appendix: 5G WIFI

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Appendix A1: Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	20.800	5734.720	5755.520	---	---
		5785	20.320	5774.880	5795.200	---	---
		5825	20.840	5814.440	5835.280	---	---
11N20SI SO	Ant1	5745	20.120	5734.840	5754.960	---	---
		5785	20.760	5774.400	5795.160	---	---
		5825	20.960	5814.240	5835.200	---	---
11N40SI SO	Ant1	5755	41.280	5734.200	5775.480	---	---
		5795	41.360	5774.360	5815.720	---	---
11AC20S ISO	Ant1	5745	21.000	5734.520	5755.520	---	---
		5785	20.840	5774.520	5795.360	---	---
		5825	21.480	5813.800	5835.280	---	---
11AC40S ISO	Ant1	5755	41.200	5734.120	5775.320	---	---
		5795	41.280	5774.200	5815.480	---	---
11AC80S ISO	Ant1	5775	81.120	5734.200	5815.320	---	---

Test Graphs

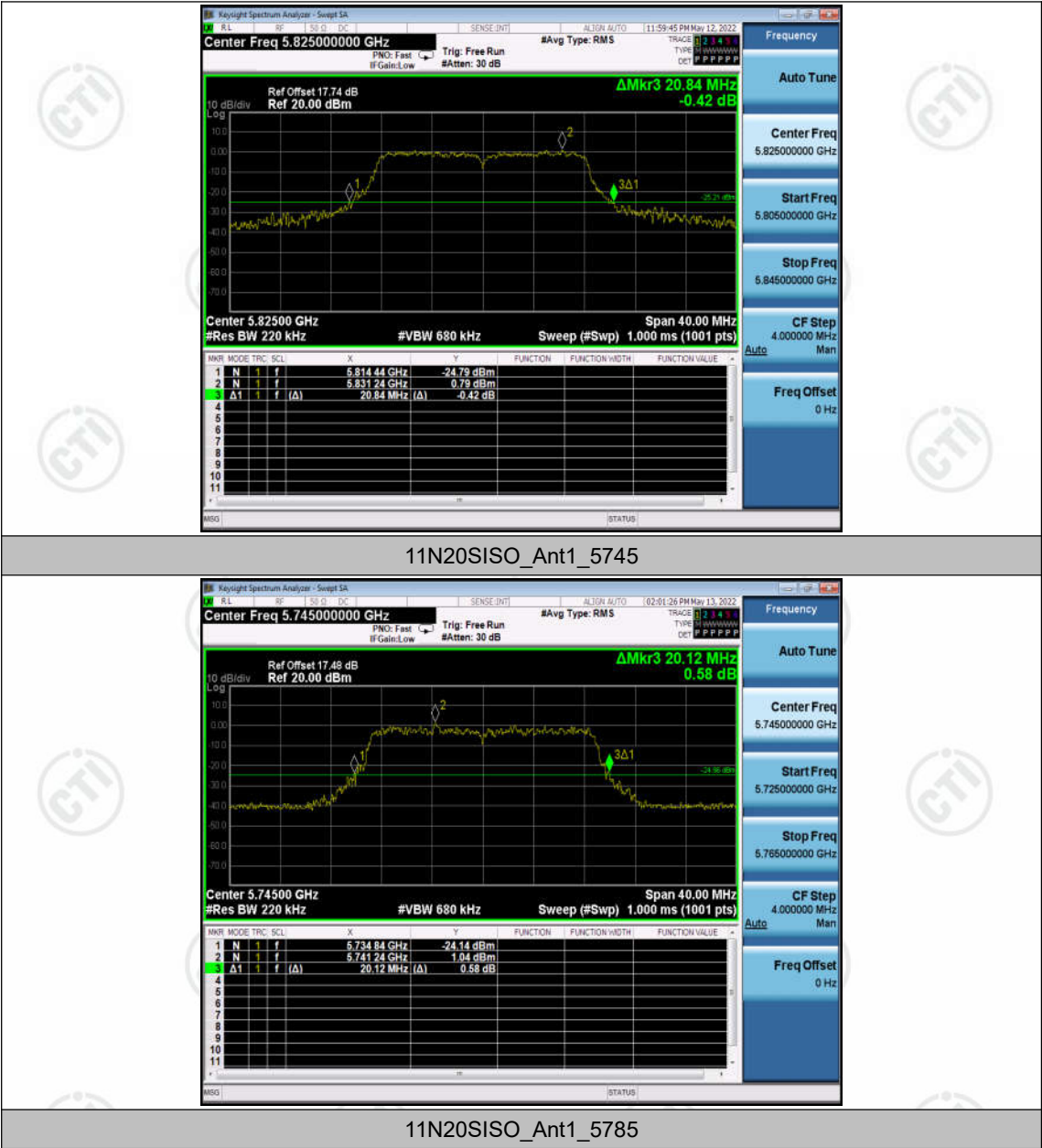
11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825





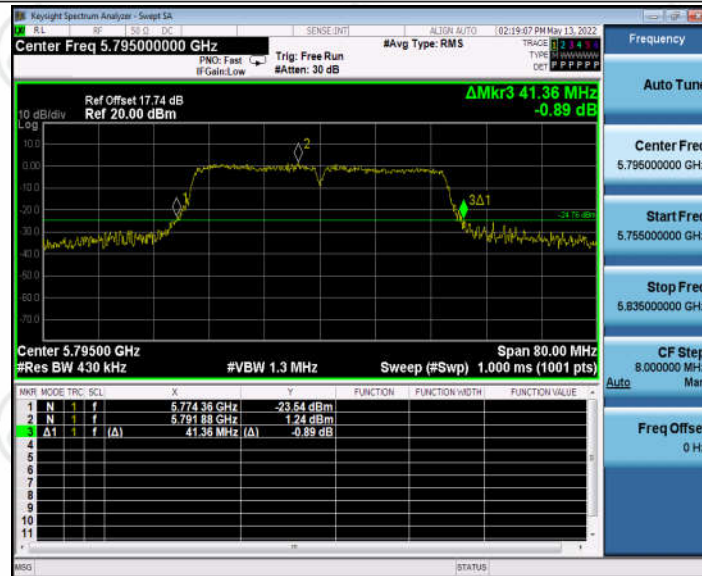
11N20SISO_Ant1_5825



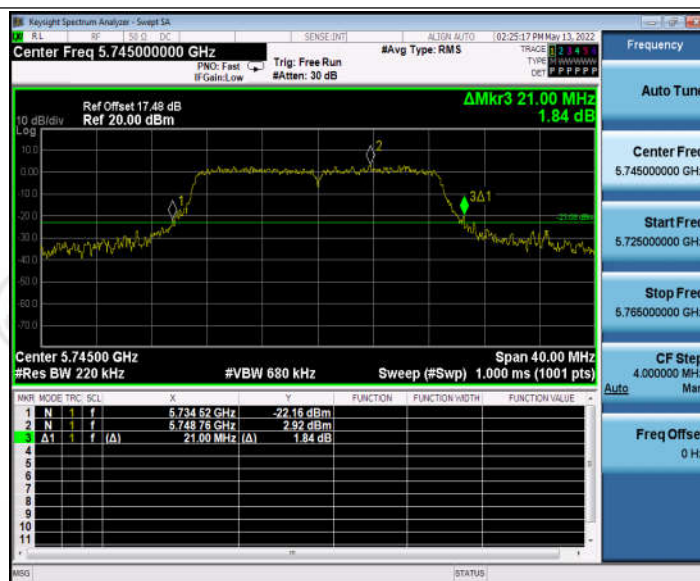
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



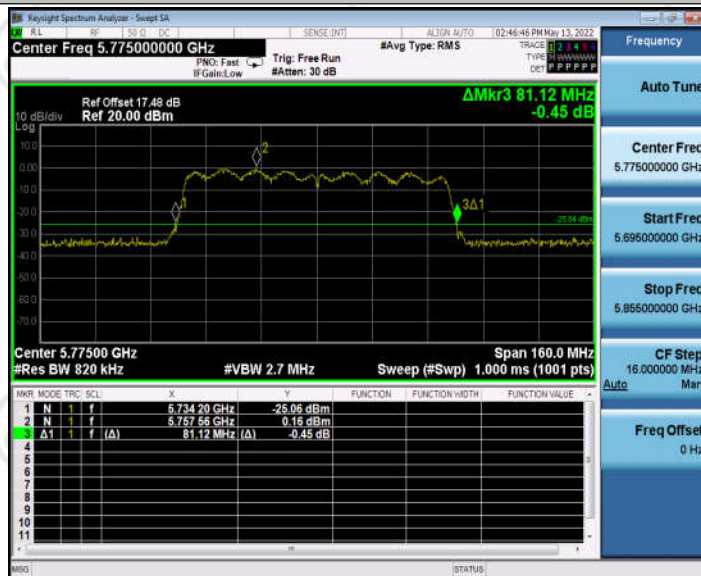
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

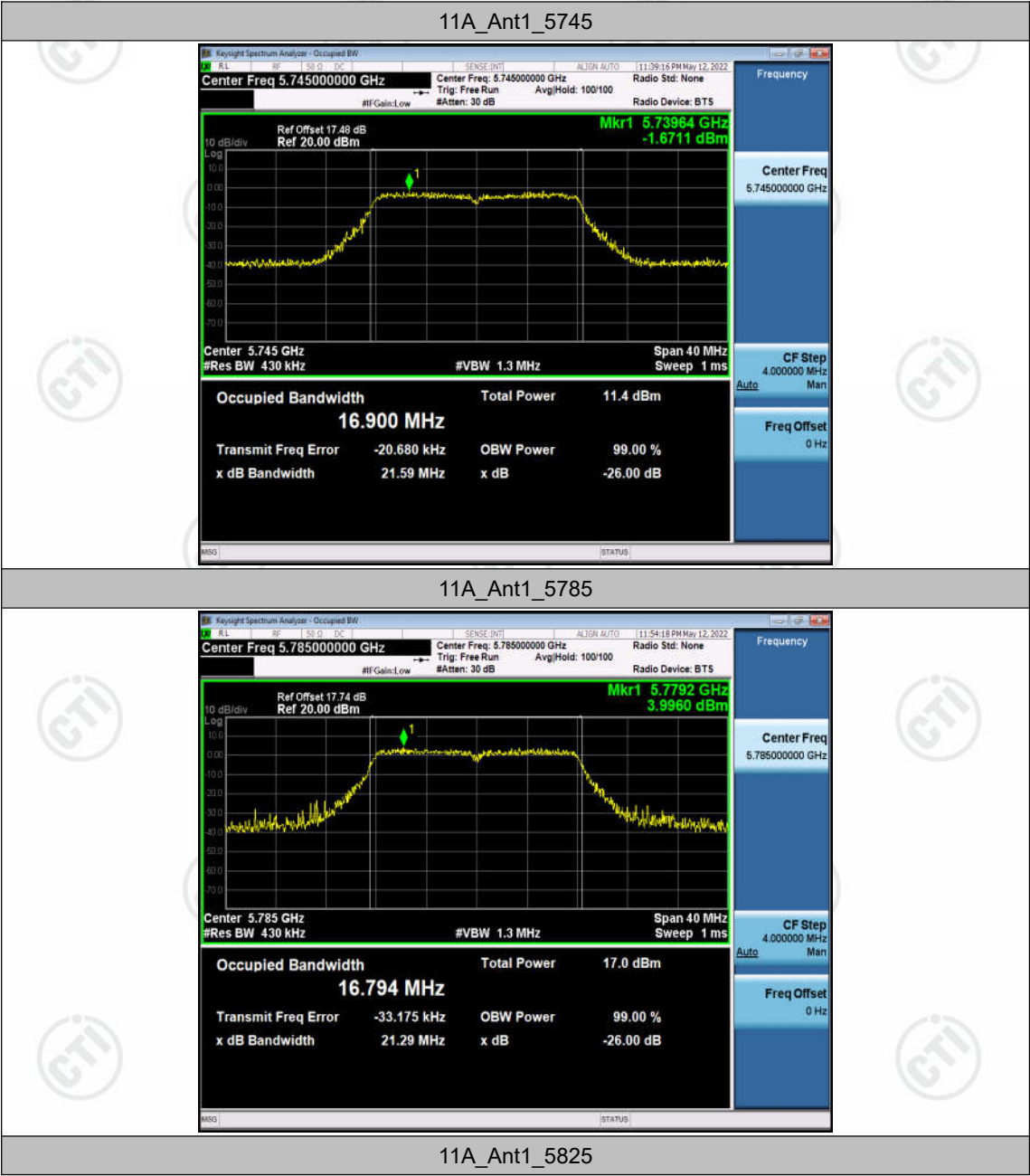


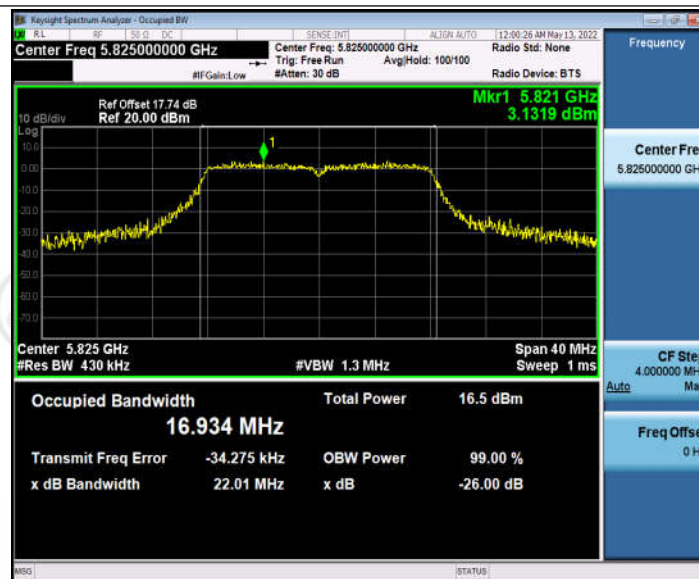
Appendix A2: Occupied channel bandwidth

Test Result

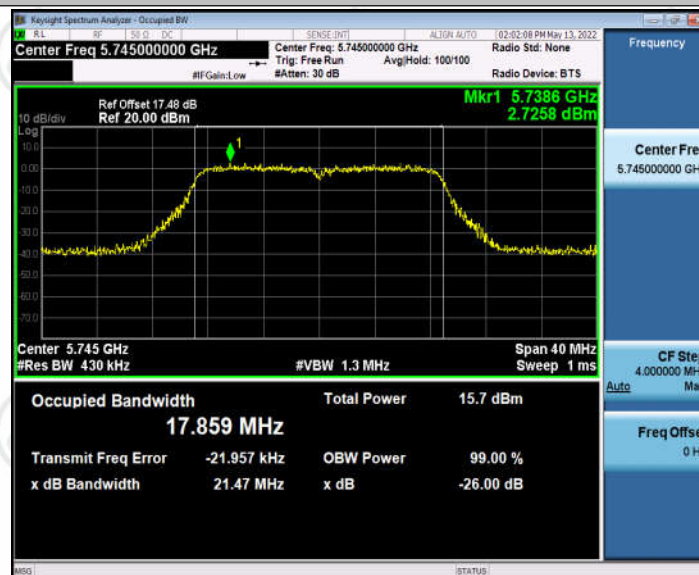
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.900	5736.52 9	5753.42 9	---	---
		5785	16.794	5776.57 0	5793.36 4	---	---
		5825	16.934	5816.49 9	5833.43 3	---	---
11N20SI SO	Ant1	5745	17.859	5736.04 9	5753.90 8	---	---
		5785	17.910	5775.97 7	5793.88 7	---	---
		5825	17.825	5816.05 5	5833.88 0	---	---
11N40SI SO	Ant1	5755	36.240	5736.84 1	5773.08 1	---	---
		5795	36.311	5776.78 6	5813.09 7	---	---
11AC20S ISO	Ant1	5745	17.841	5736.09 4	5753.93 5	---	---
		5785	17.838	5776.03 7	5793.87 5	---	---
		5825	17.945	5815.97 2	5833.91 7	---	---
11AC40S ISO	Ant1	5755	36.272	5736.82 1	5773.09 3	---	---
		5795	36.309	5776.75 5	5813.06 4	---	---
11AC80S ISO	Ant1	5775	75.384	5737.11 5	5812.49 9	---	---

Test Graphs

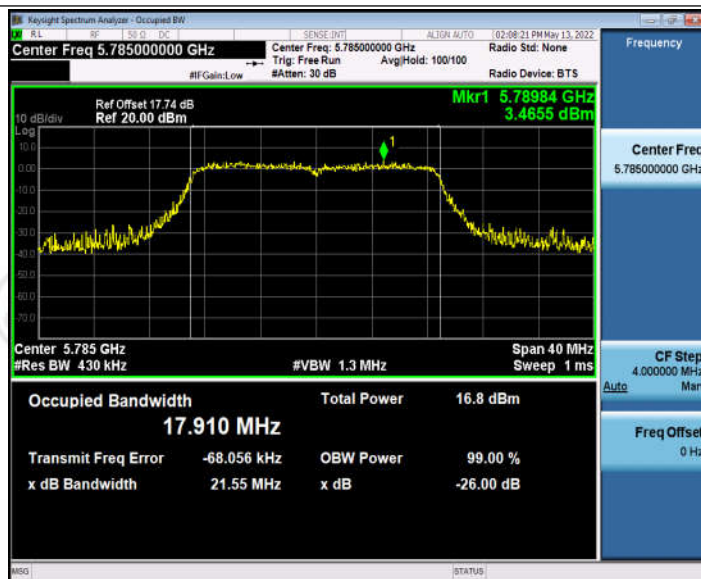




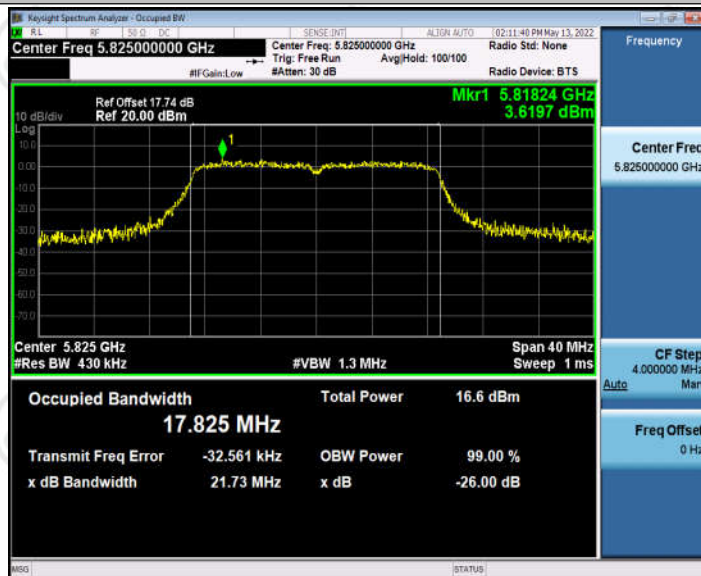
11N20SISO_Ant1_5745



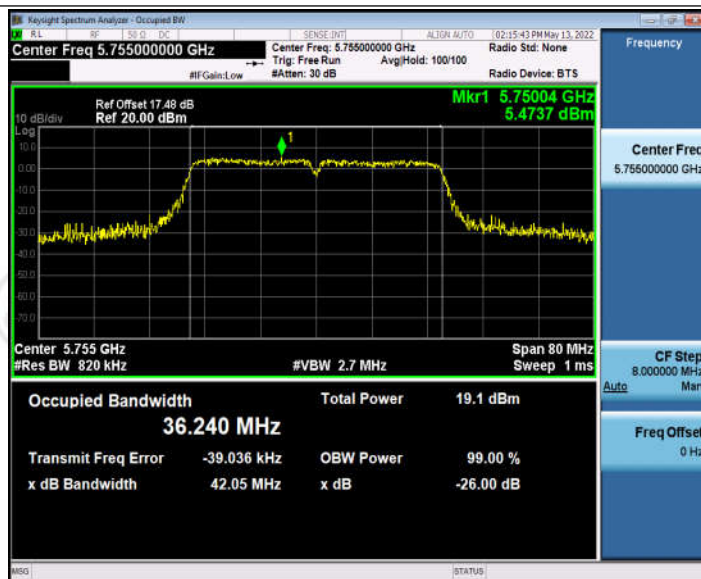
11N20SISO_Ant1_5785



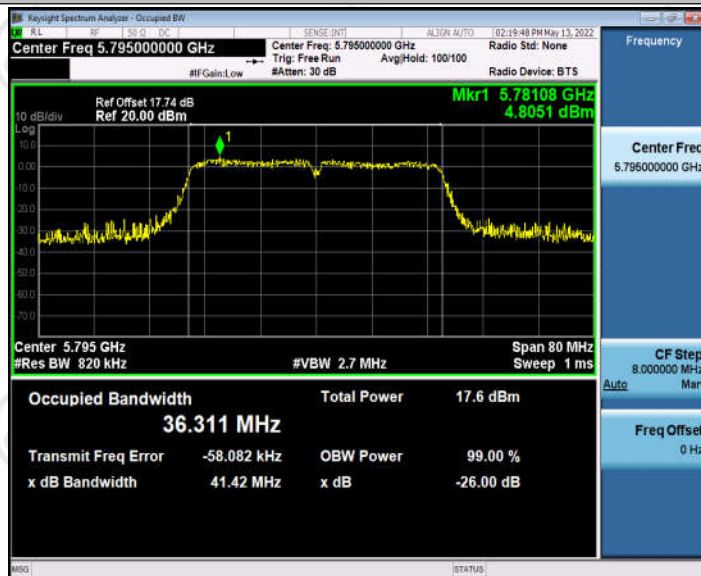
11N20SISO_Ant1_5825



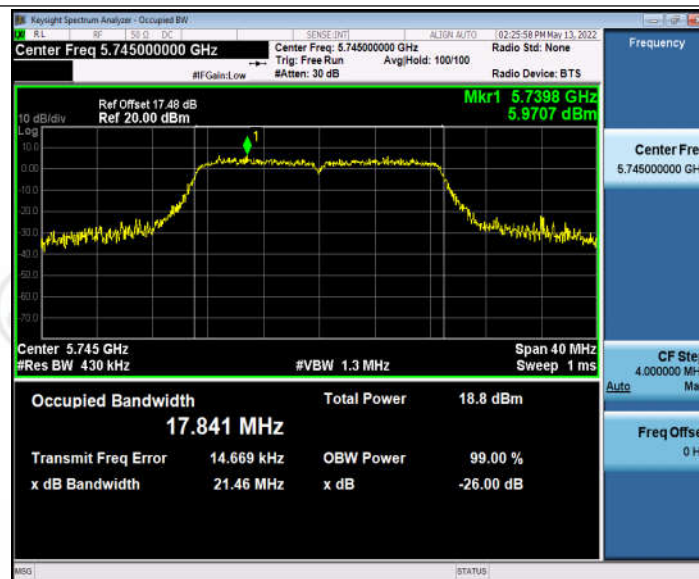
11N40SISO_Ant1_5755



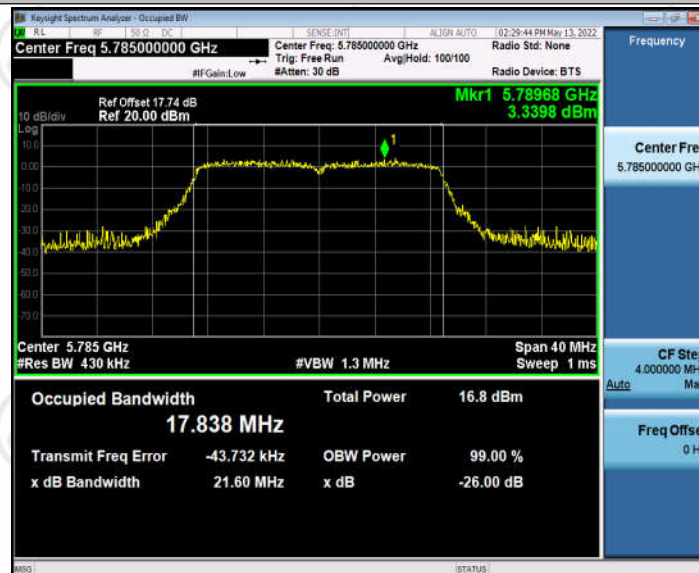
11N40SISO_Ant1_5795



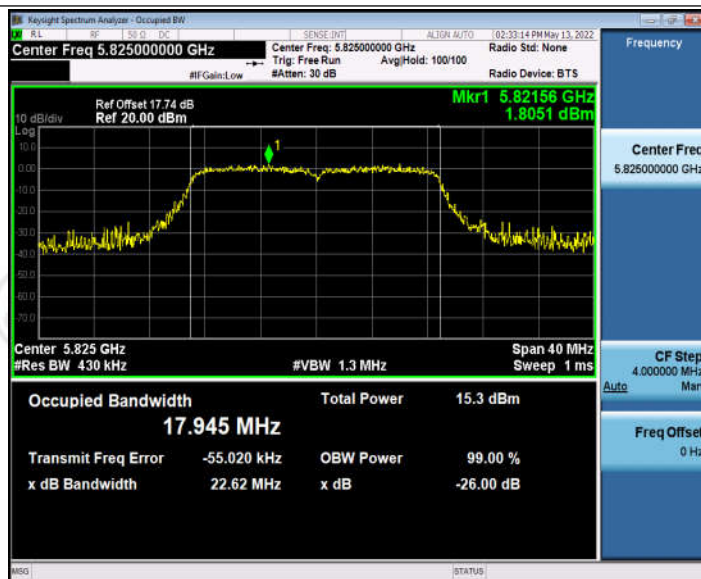
11AC20SISO_Ant1_5745



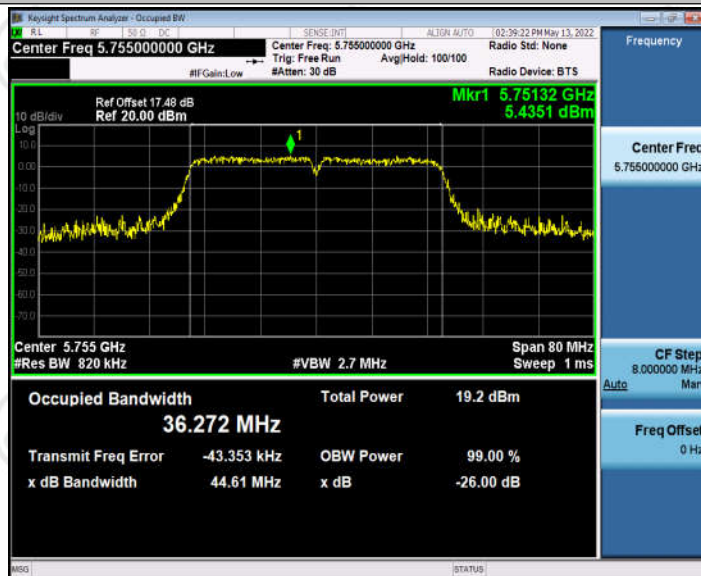
11AC20SISO_Ant1_5785



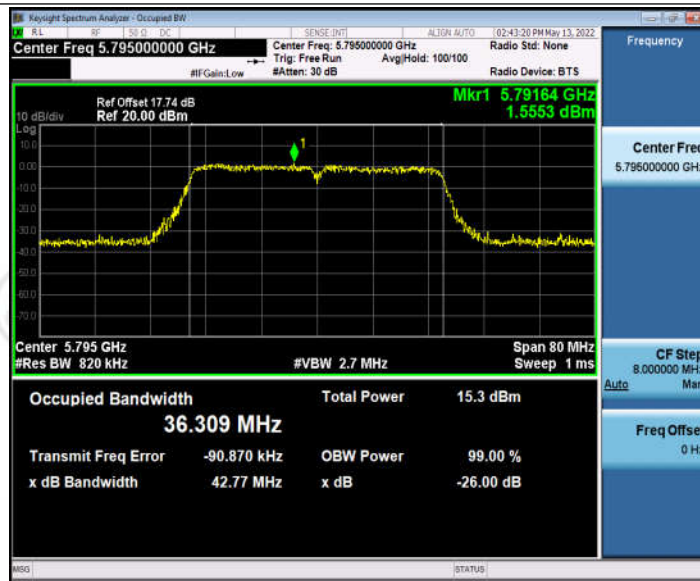
11AC20SISO_Ant1_5825



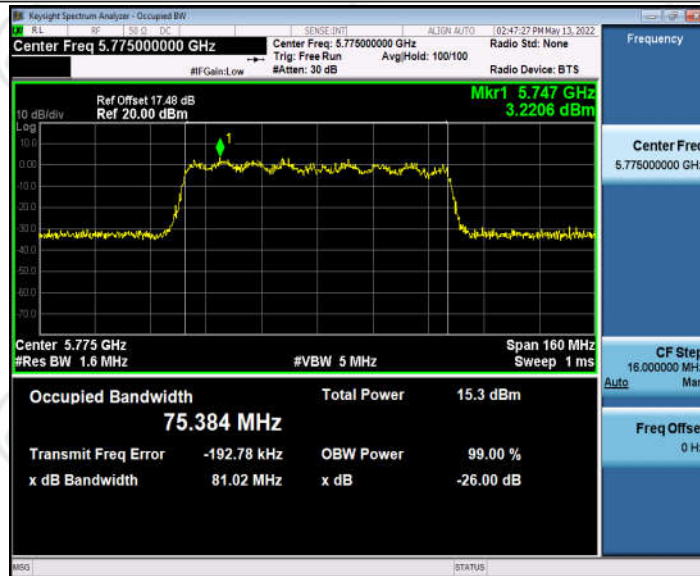
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



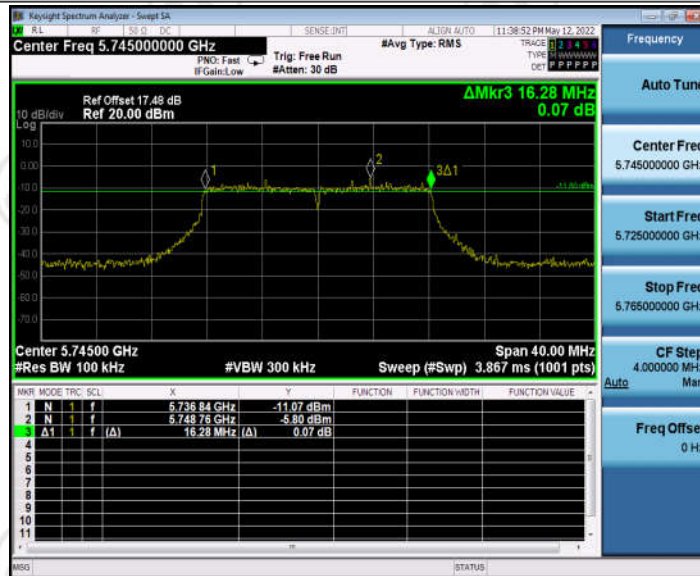
Appendix A3: Min emission bandwidth

Test Result B4

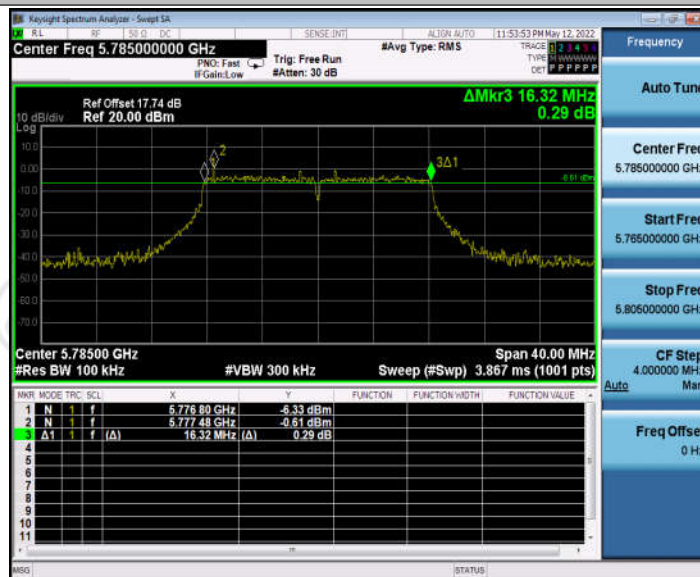
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.280	5736.840	5753.120	0.5	PASS
		5785	16.320	5776.800	5793.120	0.5	PASS
		5825	16.240	5816.840	5833.080	0.5	PASS
11N20SI SO	Ant1	5745	16.400	5736.760	5753.160	0.5	PASS
		5785	16.960	5776.480	5793.440	0.5	PASS
		5825	17.160	5816.360	5833.520	0.5	PASS
11N40SI SO	Ant1	5755	35.520	5737.080	5772.600	0.5	PASS
		5795	35.360	5777.080	5812.440	0.5	PASS
11AC20S ISO	Ant1	5745	17.200	5736.200	5753.400	0.5	PASS
		5785	16.640	5776.480	5793.120	0.5	PASS
		5825	17.160	5816.240	5833.400	0.5	PASS
11AC40S ISO	Ant1	5755	35.440	5737.080	5772.520	0.5	PASS
		5795	35.360	5777.080	5812.440	0.5	PASS
11AC80S ISO	Ant1	5775	73.920	5737.400	5811.320	0.5	PASS

Test Graphs B4

11A_Ant1_5745



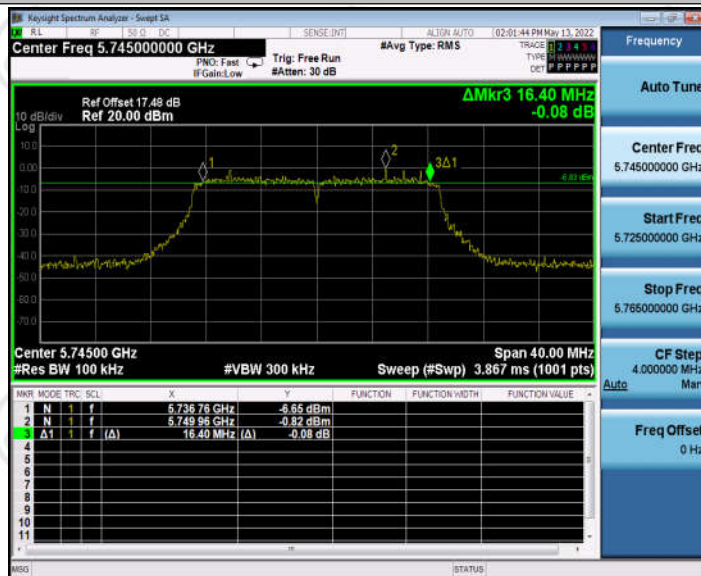
11A_Ant1_5785



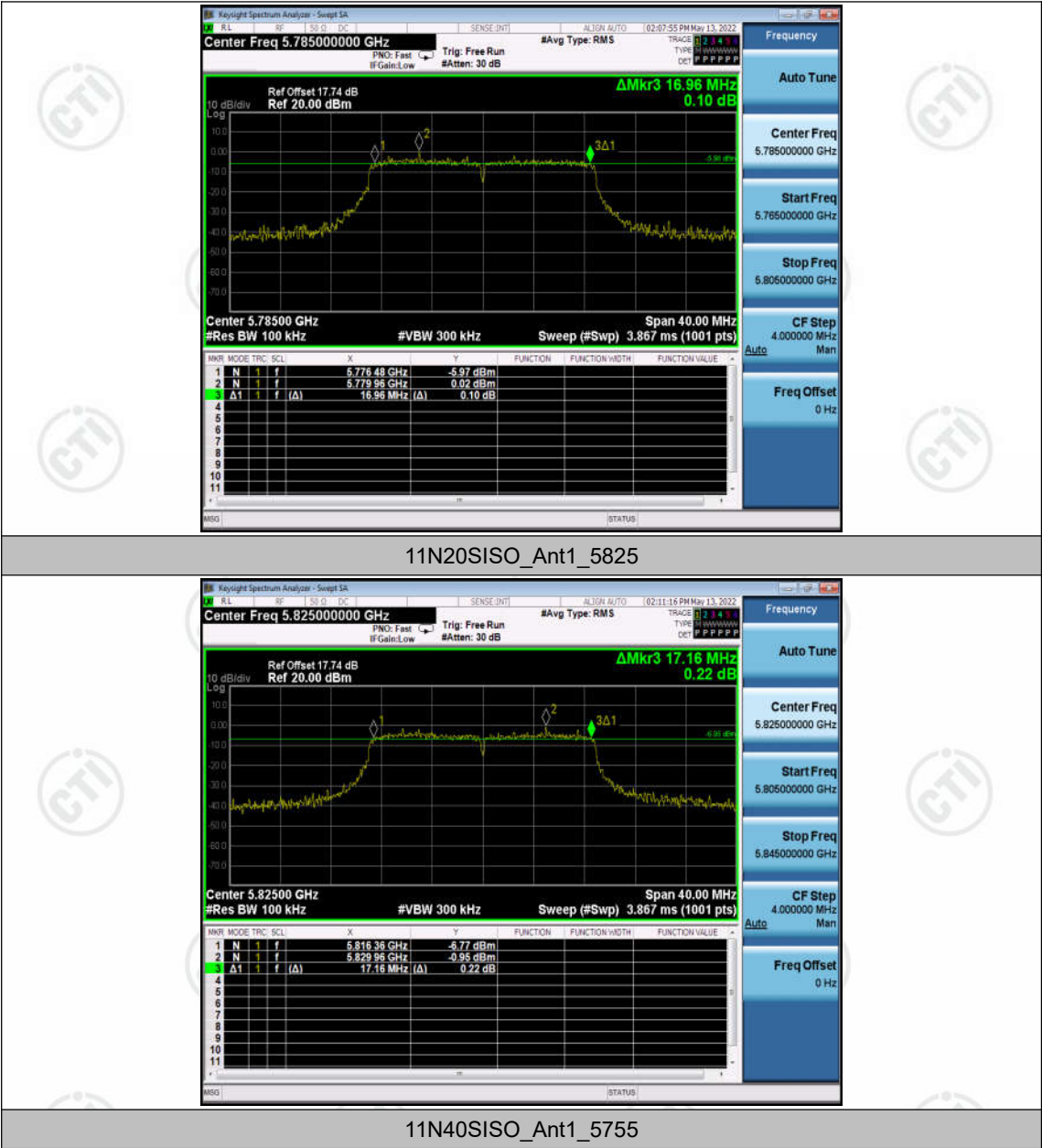
11A_Ant1_5825

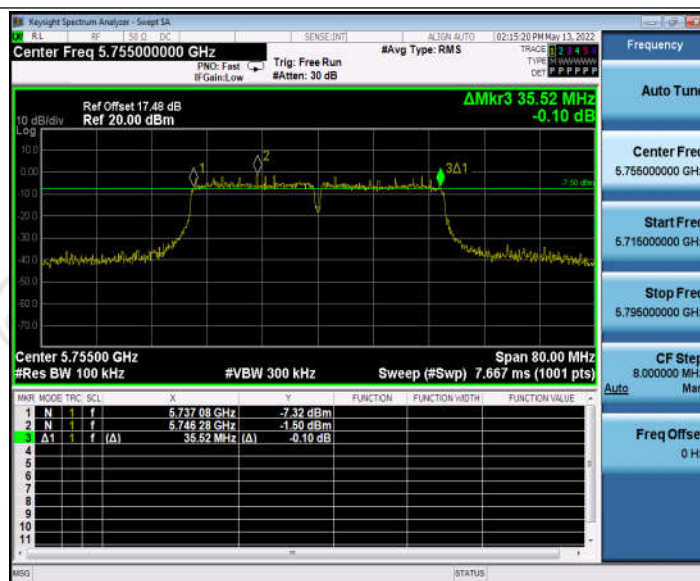


11N20SISO_Ant1_5745

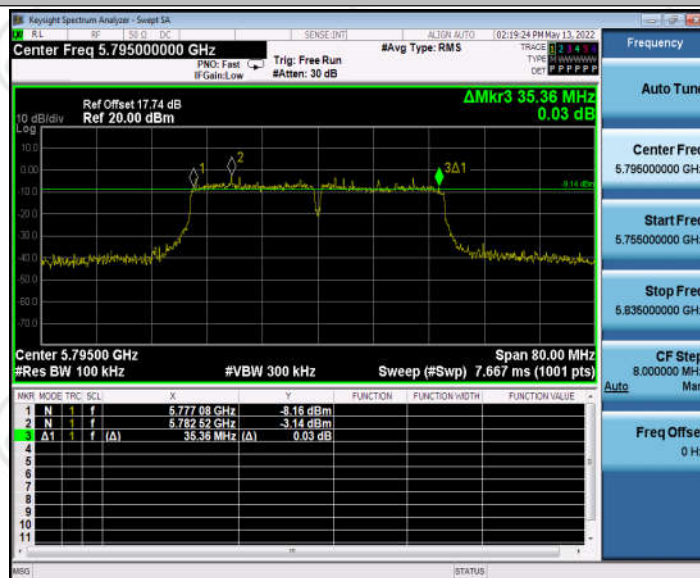


11N20SISO_Ant1_5785

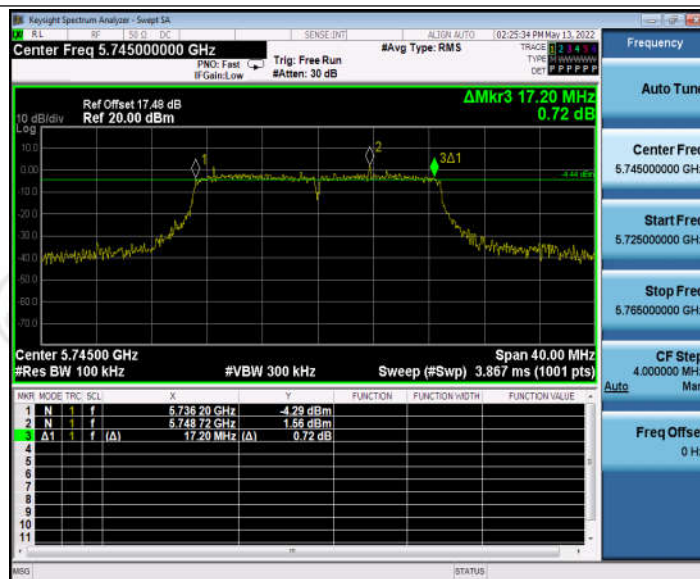




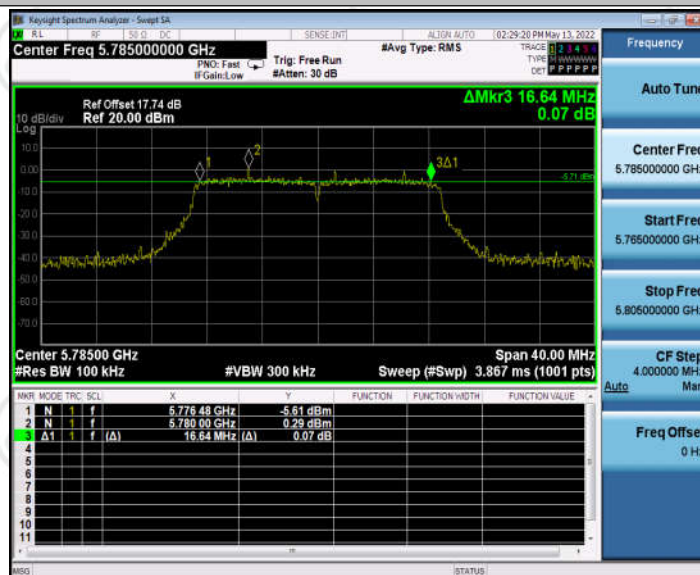
11N40SISO_Ant1_5795



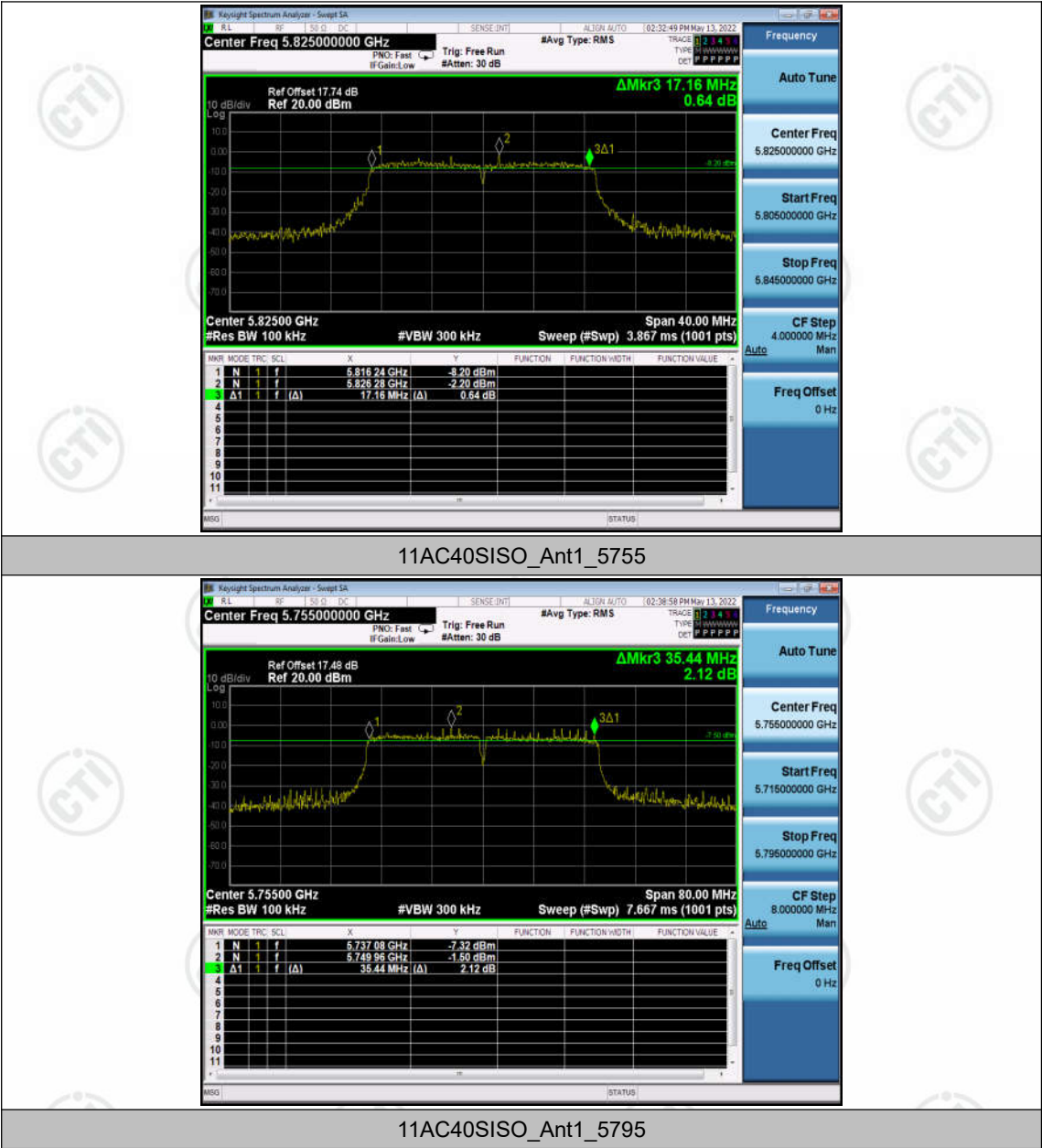
11AC20SISO_Ant1_5745

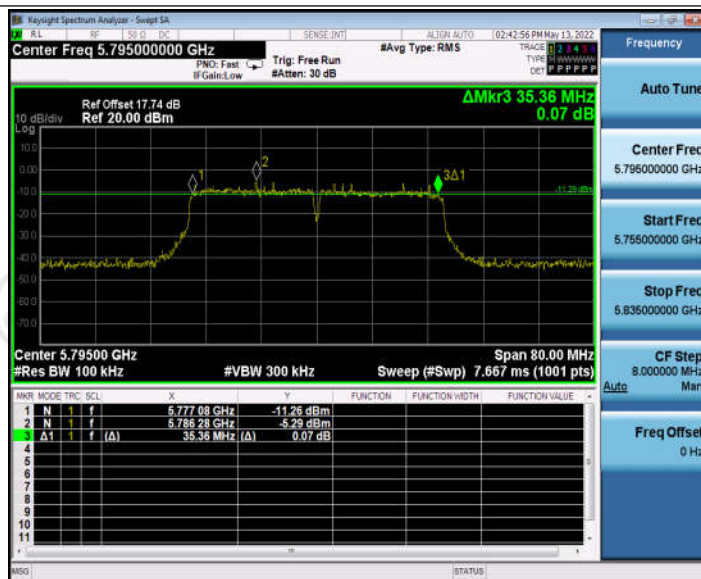


11AC20SISO_Ant1_5785

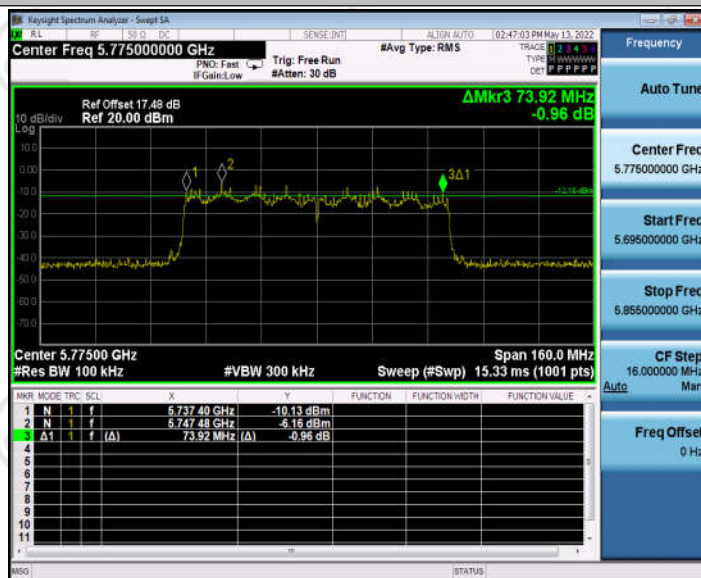


11AC20SISO_Ant1_5825





11AC80SISO_Ant1_5775

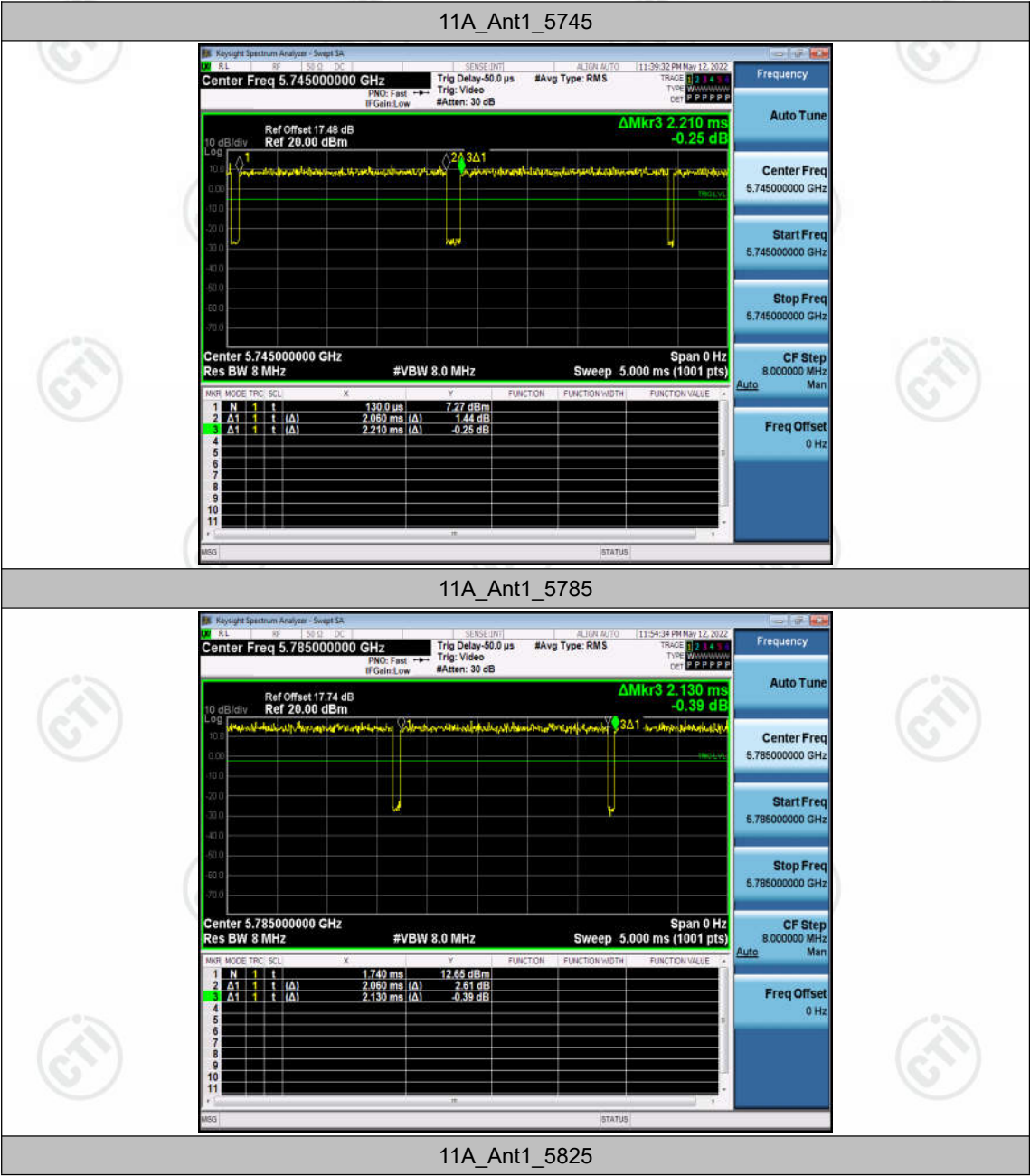


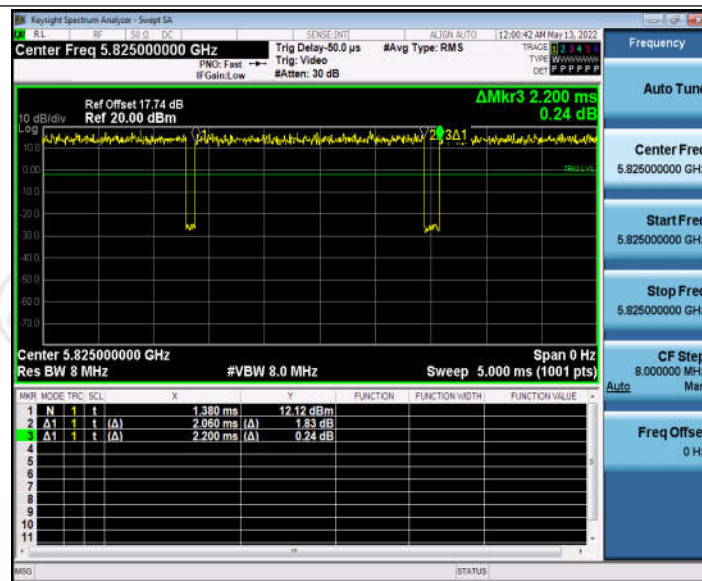
Appendix B: Duty Cycle

Test Result

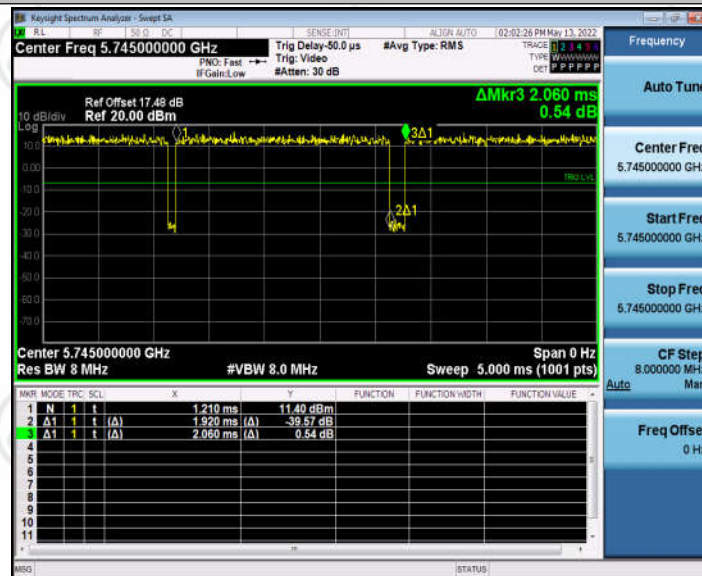
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	2.06	2.21	93.21
		5785	2.06	2.13	96.71
		5825	2.06	2.20	93.64
11N20SISO	Ant1	5745	1.92	2.06	93.20
		5785	1.92	1.99	96.48
		5825	1.92	2.07	92.75
11N40SISO	Ant1	5755	0.95	1.03	92.23
		5795	0.94	1.03	91.26
11AC20SISO	Ant1	5745	1.94	2.03	95.57
		5785	1.93	2.02	95.54
		5825	1.93	2.03	95.07
11AC40SISO	Ant1	5755	0.95	1.07	88.79
		5795	0.95	1.04	91.35
11AC80SISO	Ant1	5775	0.46	0.63	73.02

Test Graphs

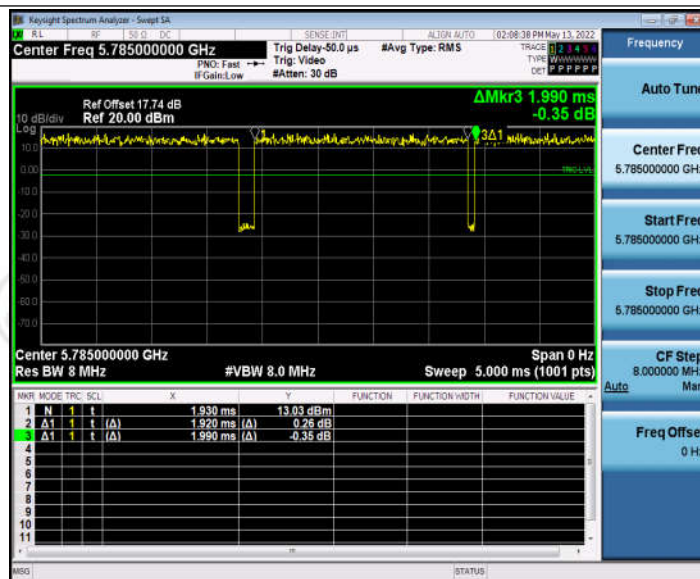




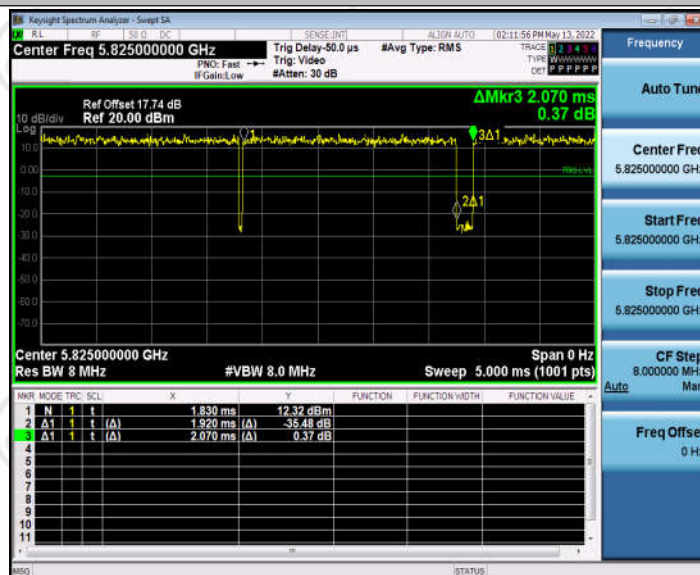
11N20SISO_Ant1_5745



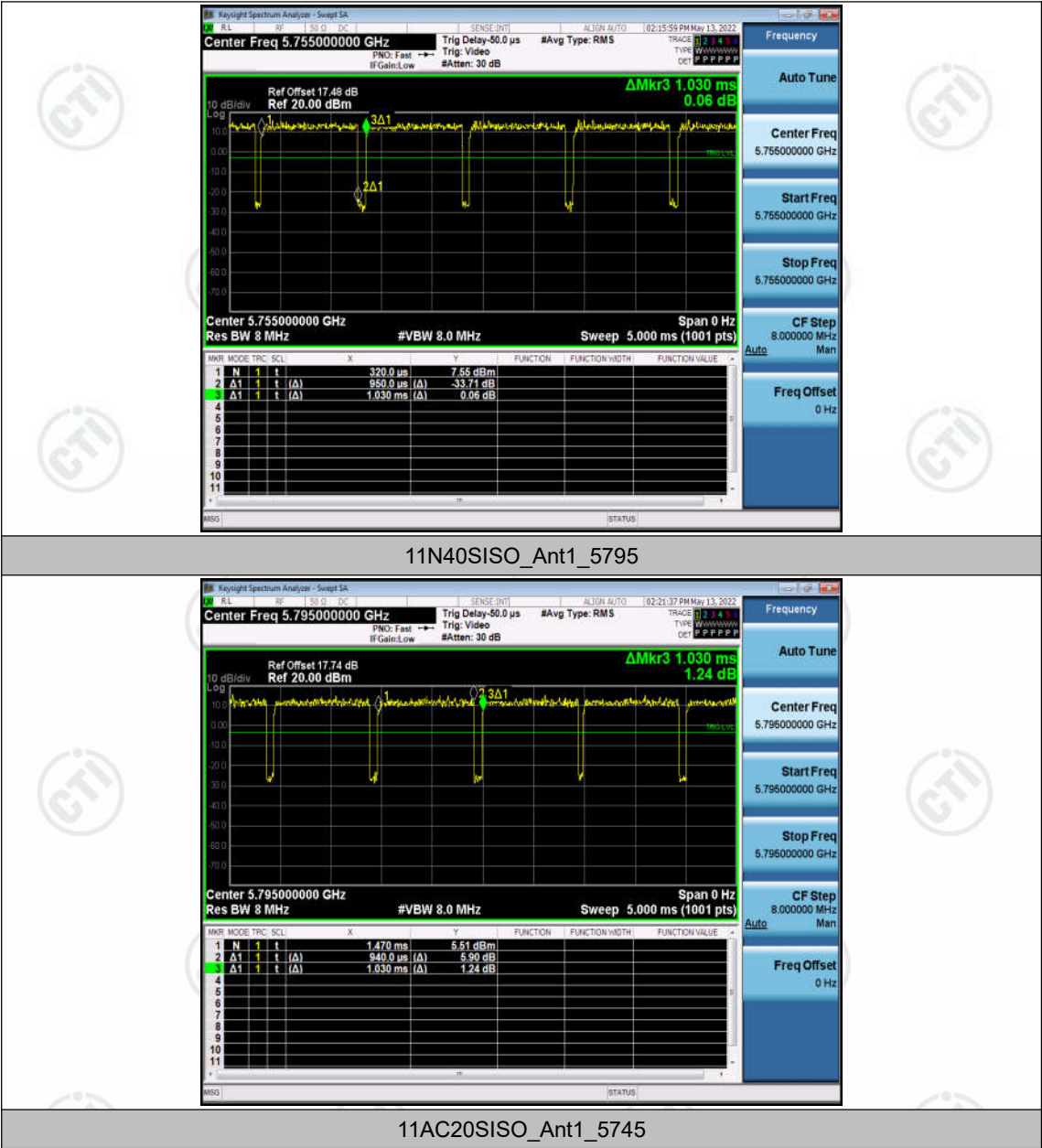
11N20SISO_Ant1_5785

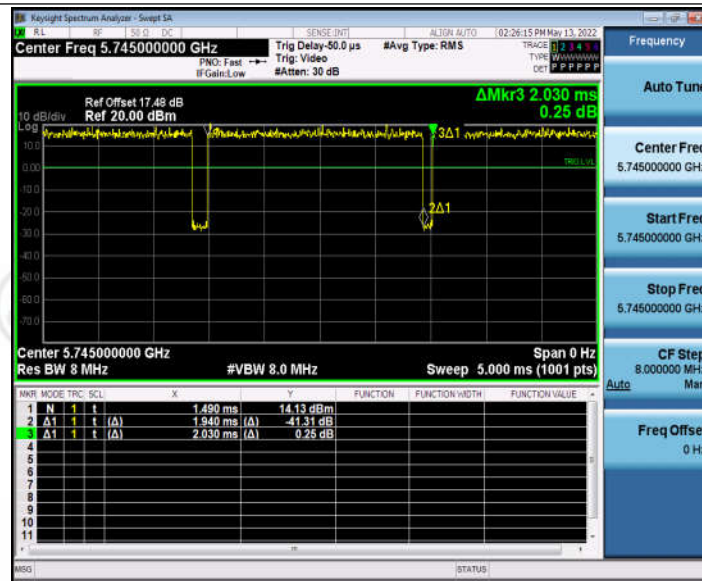


11N20SISO_Ant1_5825

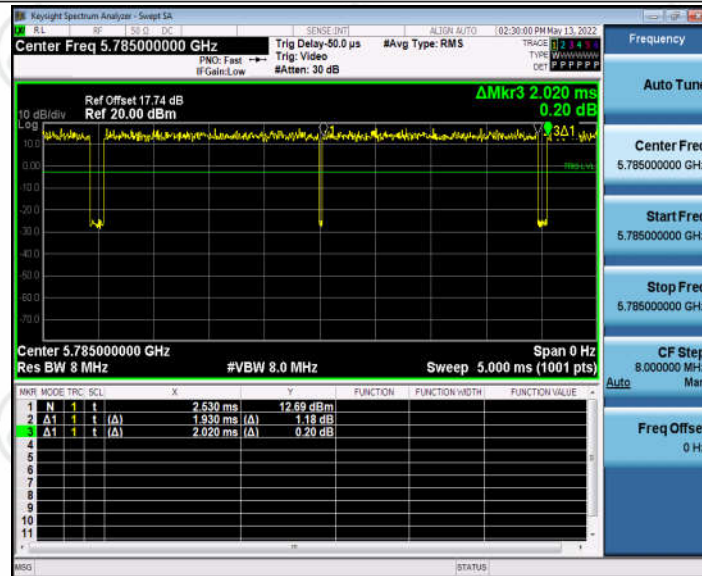


11N40SISO_Ant1_5755

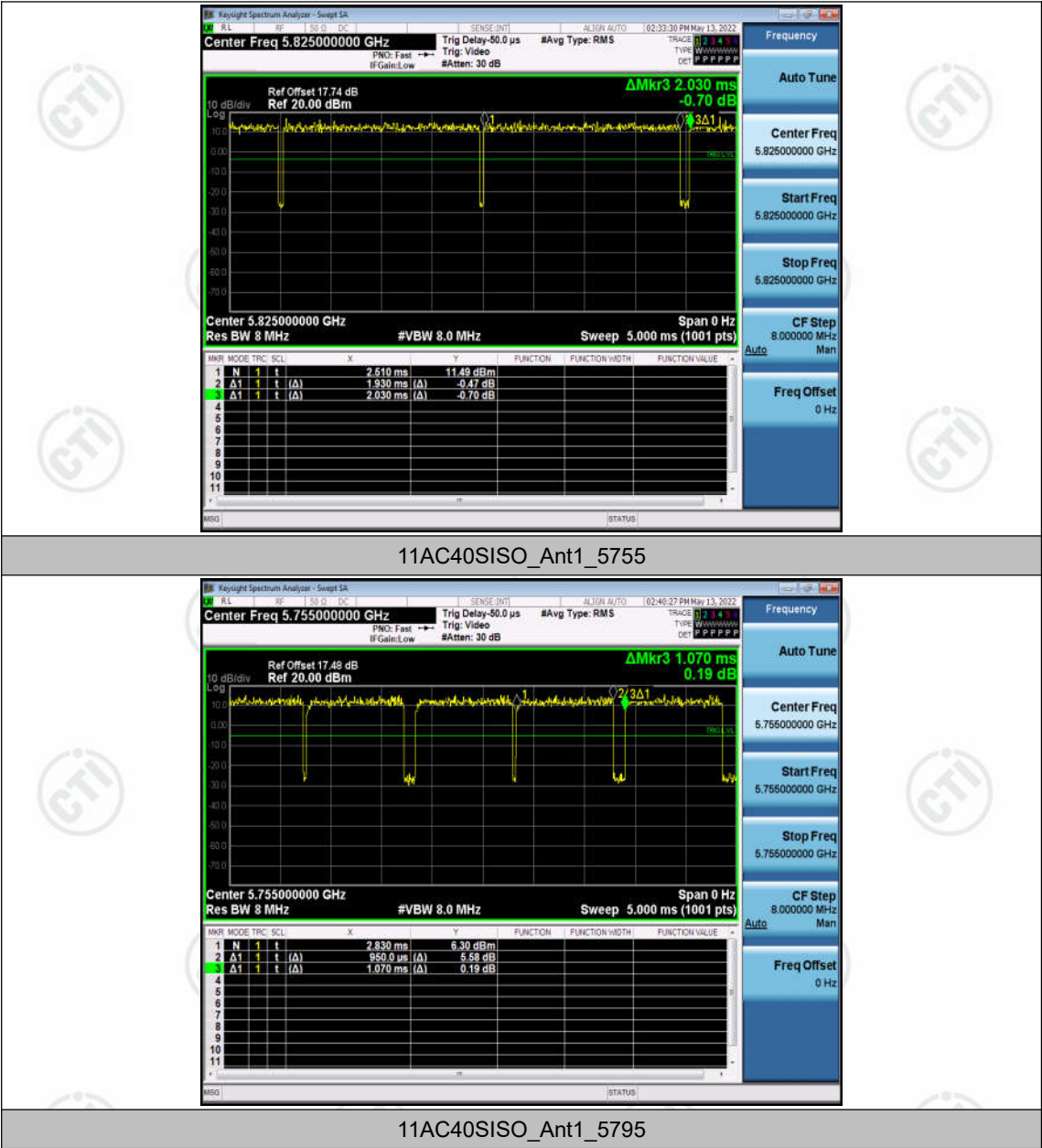


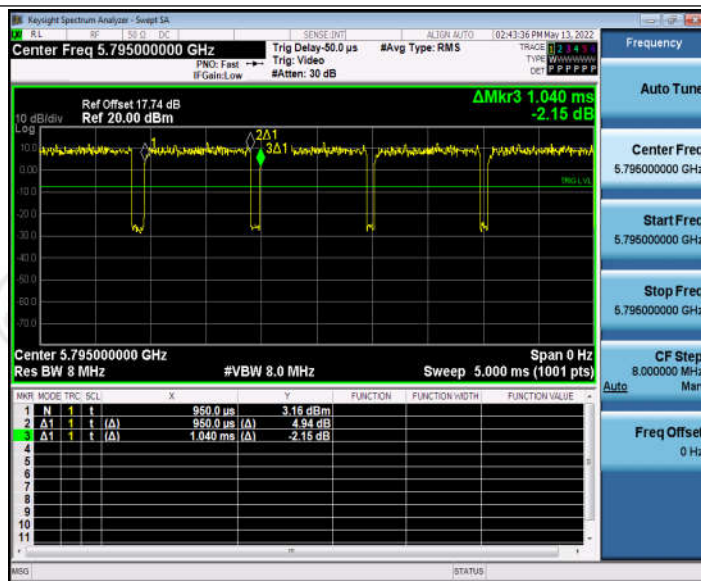


11AC20SISO_Ant1_5785

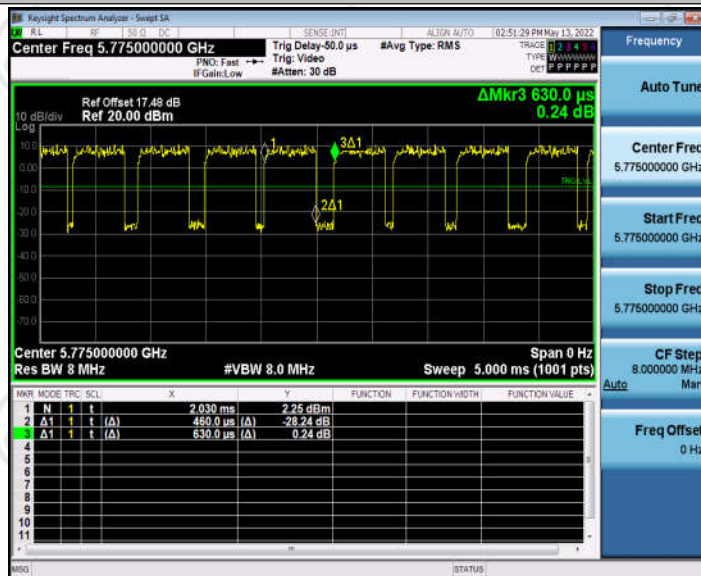


11AC20SISO_Ant1_5825





11AC80SISO_Ant1_5775



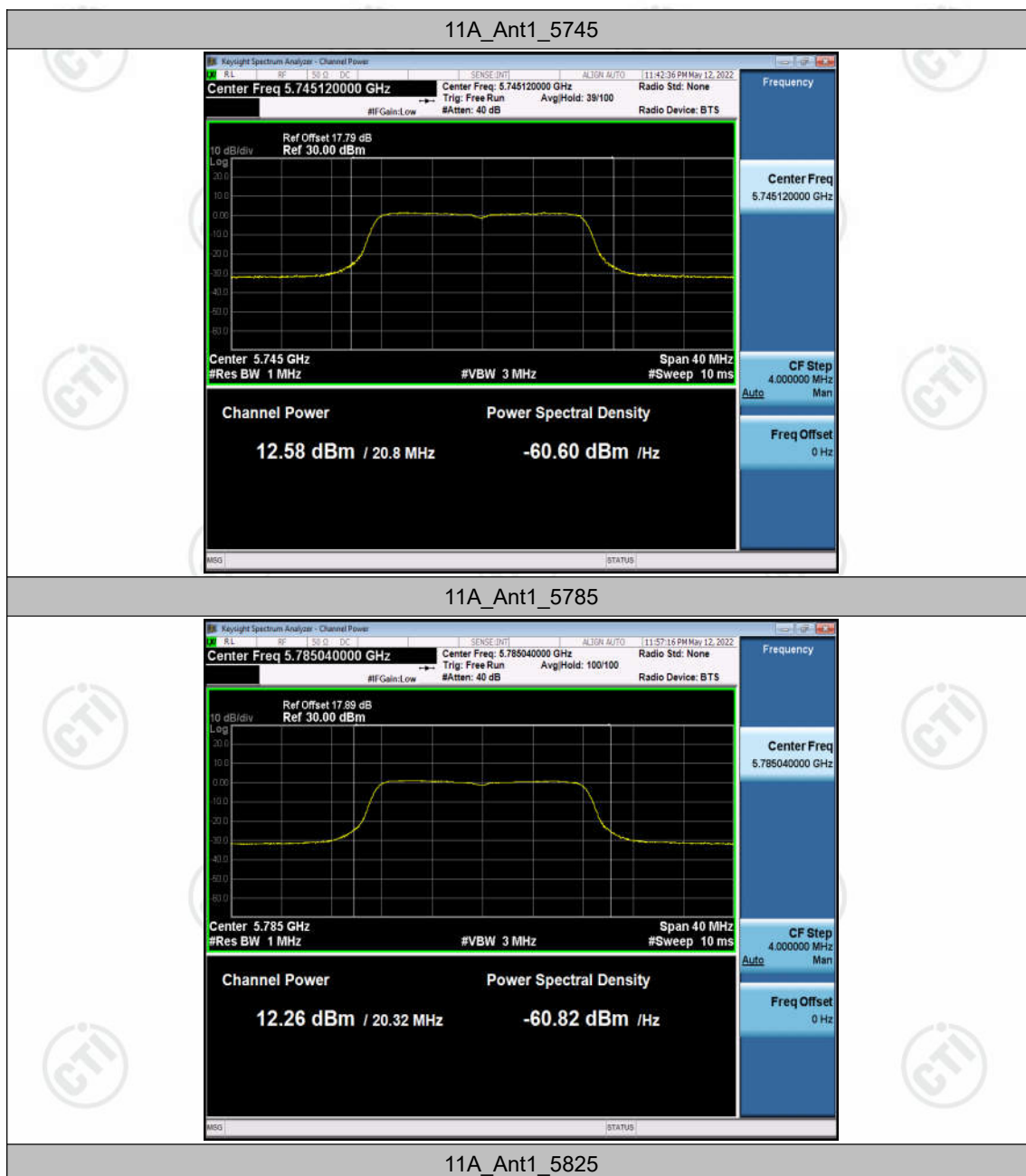
Appendix C: Maximum conducted output power

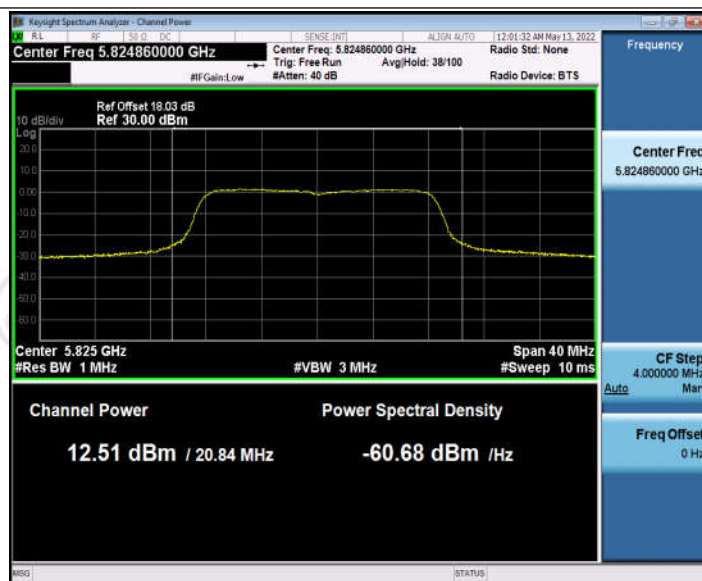
Test Result Channel Power

Test Mode	Antenna	Frequency [MHz]	Set Power	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11A	Ant1	5745	---	12.26	93.21	0.31	12.57	≤30.00	0.00	12.57	---	PASS
		5785	---	12.11	96.71	0.15	12.26	≤30.00	0.00	12.26	---	PASS
		5825	---	12.22	93.64	0.29	12.51	≤30.00	0.00	12.51	---	PASS
11N20SI SO	Ant1	5745	---	11.88	93.20	0.31	12.19	≤30.00	0.00	12.19	---	PASS
		5785	---	11.92	96.48	0.16	12.08	≤30.00	0.00	12.08	---	PASS
		5825	---	11.65	92.75	0.33	11.98	≤30.00	0.00	11.98	---	PASS
11N40SI SO	Ant1	5755	---	12.00	92.23	0.35	12.35	≤30.00	0.00	12.35	---	PASS
		5795	---	11.77	91.26	0.40	12.17	≤30.00	0.00	12.17	---	PASS
11AC20S ISO	Ant1	5745	---	11.97	95.57	0.20	12.17	≤30.00	0.00	12.17	---	PASS
		5785	---	11.92	95.54	0.20	12.12	≤30.00	0.00	12.12	---	PASS
		5825	---	11.85	95.07	0.22	12.07	≤30.00	0.00	12.07	---	PASS
11AC40S ISO	Ant1	5755	---	11.58	88.79	0.52	12.10	≤30.00	0.00	12.10	---	PASS
		5795	---	11.68	91.35	0.39	12.07	≤30.00	0.00	12.07	---	PASS
11AC80S ISO	Ant1	5775	---	10.82	73.02	1.37	12.19	≤30.00	0.00	12.19	---	PASS

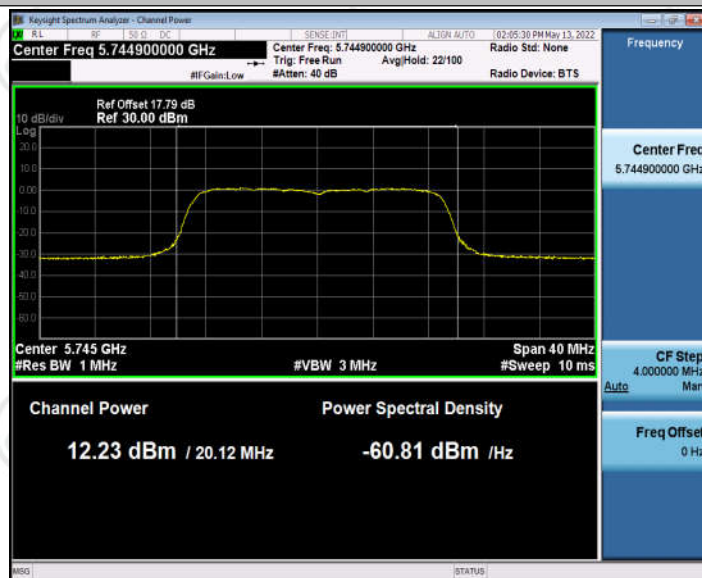
Note: The Duty Cycle Factor is compensated in the graph.

Test Graphs Channel Power

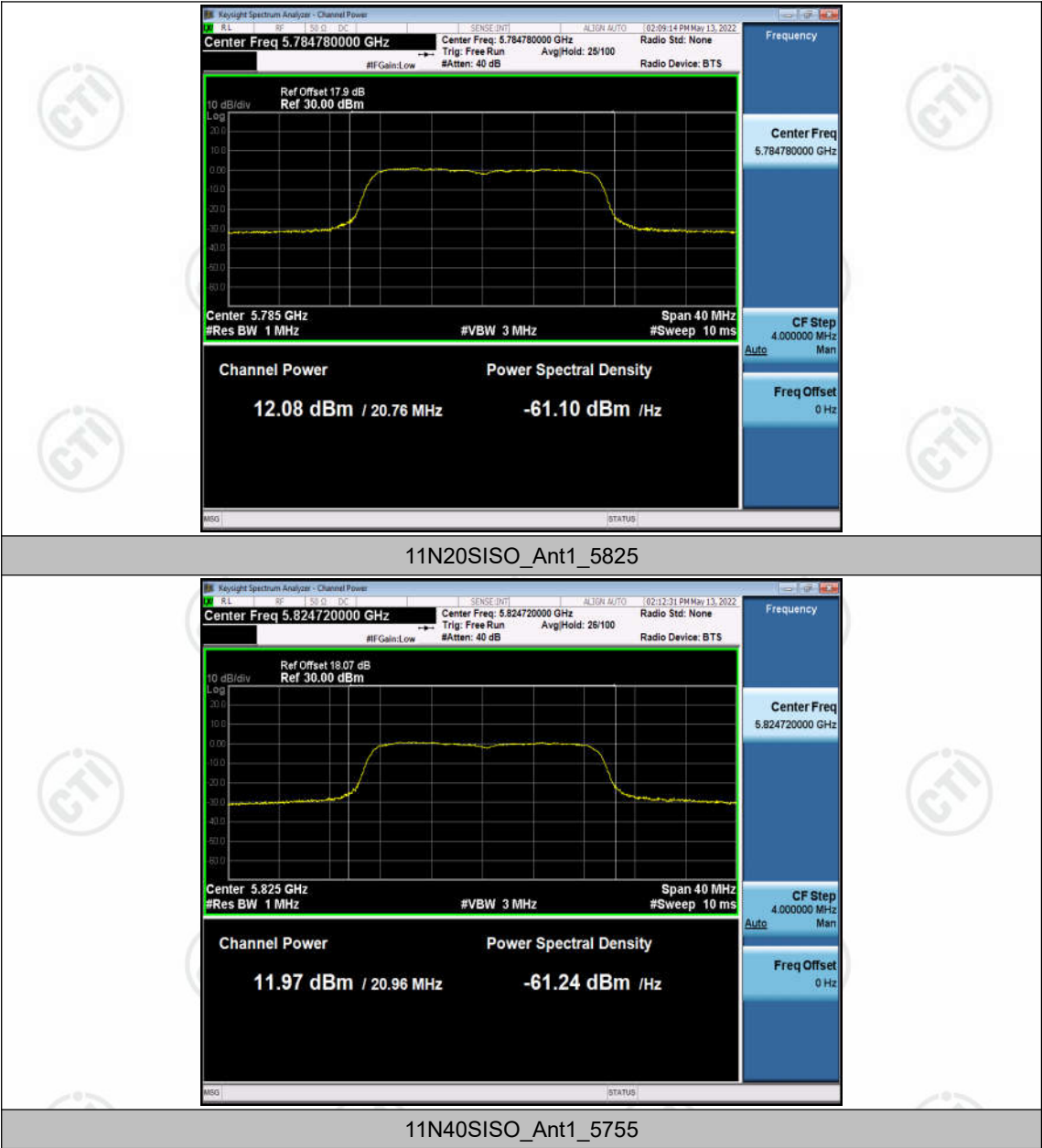


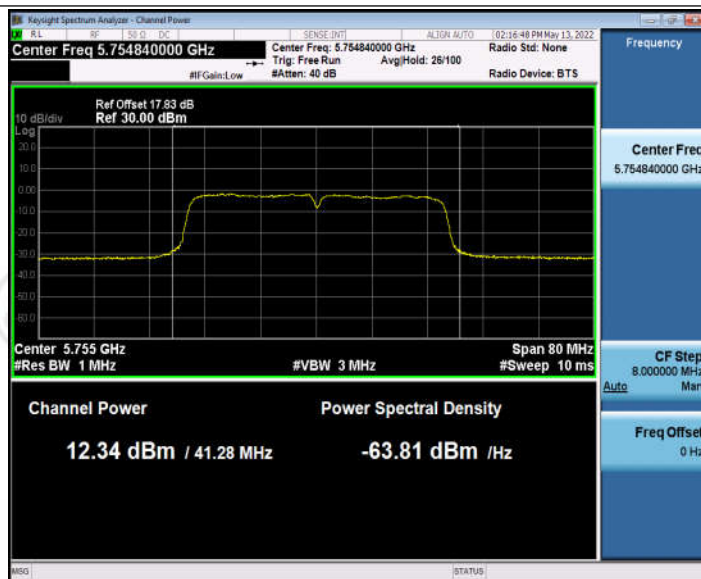


11N20SISO_Ant1_5745

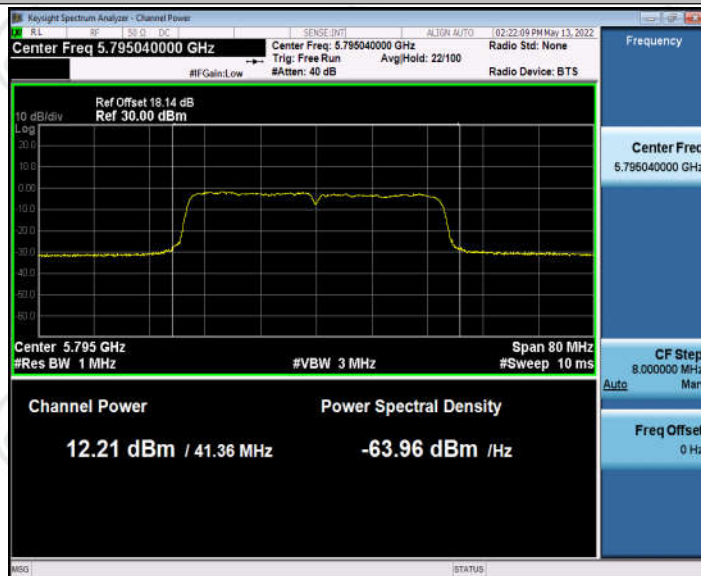


11N20SISO_Ant1_5785

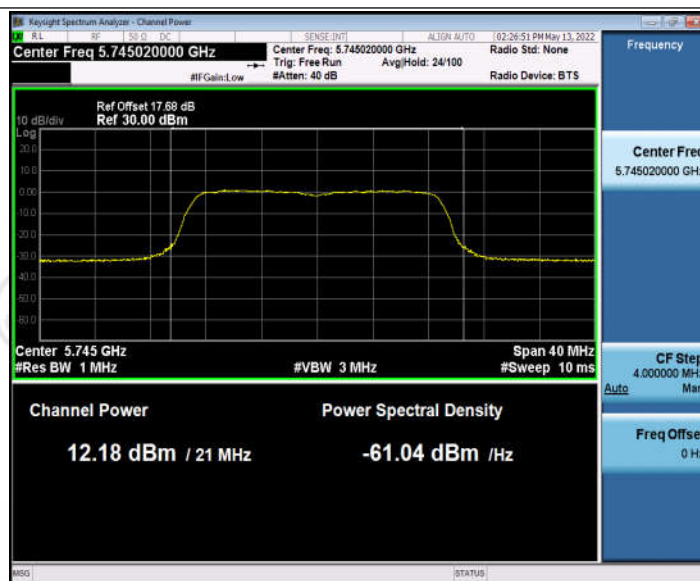




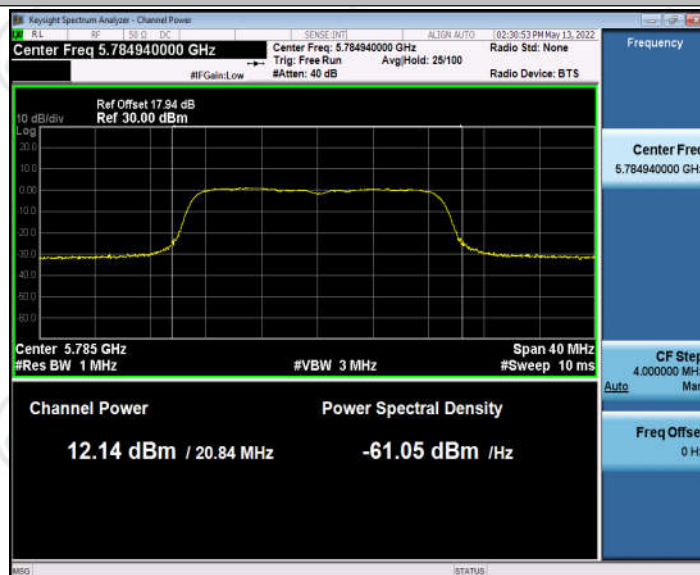
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825