

FCC Appendix RF Test Data for 5GWIFI

FCC ID : 2BQHT-TK831-3

Company : DAMASCO TRADING LLC

EUT : 8 inch tablet

Model Number : TK831-3

Report No. : CTA26092901004

Reviewed By : Eric Wang

Appendix A1: Emission Bandwidth

Test Result

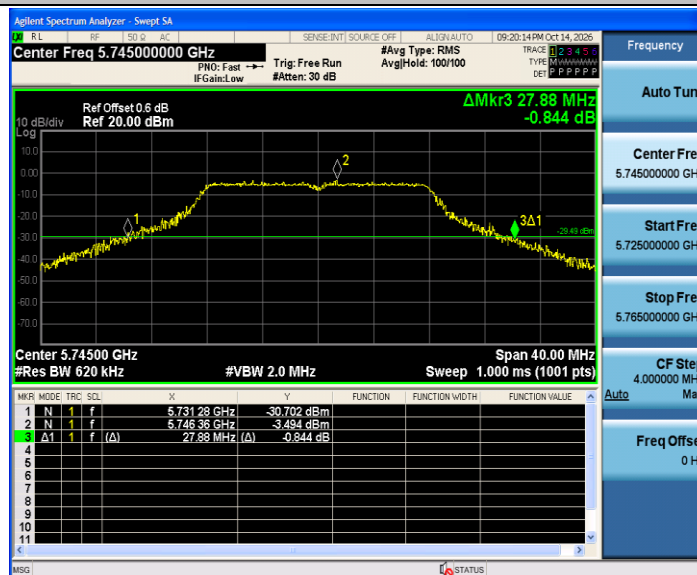
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	26.880	5166.320	5193.200	---	---
		5220	28.720	5204.960	5233.680	---	---
		5240	28.240	5225.760	5254.000	---	---
		5745	27.880	5731.280	5759.160	---	---
		5785	28.800	5770.240	5799.040	---	---
		5825	28.080	5810.520	5838.600	---	---
11N20SISO	Ant1	5180	28.800	5165.920	5194.720	---	---
		5220	28.560	5205.640	5234.200	---	---
		5240	29.040	5225.160	5254.200	---	---
		5745	29.800	5730.240	5760.040	---	---
		5785	29.240	5770.520	5799.760	---	---
		5825	29.160	5810.400	5839.560	---	---
11N40SISO	Ant1	5190	49.120	5165.600	5214.720	---	---
		5230	48.560	5206.160	5254.720	---	---
		5755	50.000	5730.120	5780.120	---	---
		5795	49.120	5770.520	5819.640	---	---
11AC20SISO	Ant1	5180	28.640	5165.560	5194.200	---	---
		5220	29.200	5205.880	5235.080	---	---
		5240	29.360	5225.640	5255.000	---	---
		5745	29.840	5730.360	5760.200	---	---
		5785	28.760	5771.000	5799.760	---	---
		5825	30.520	5809.600	5840.120	---	---
11AC40SISO	Ant1	5190	48.080	5166.080	5214.160	---	---
		5230	47.600	5206.080	5253.680	---	---
		5755	50.640	5729.640	5780.280	---	---
		5795	50.320	5769.560	5819.880	---	---

Test Graphs





11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5220



11N20SISO_Ant1_5240

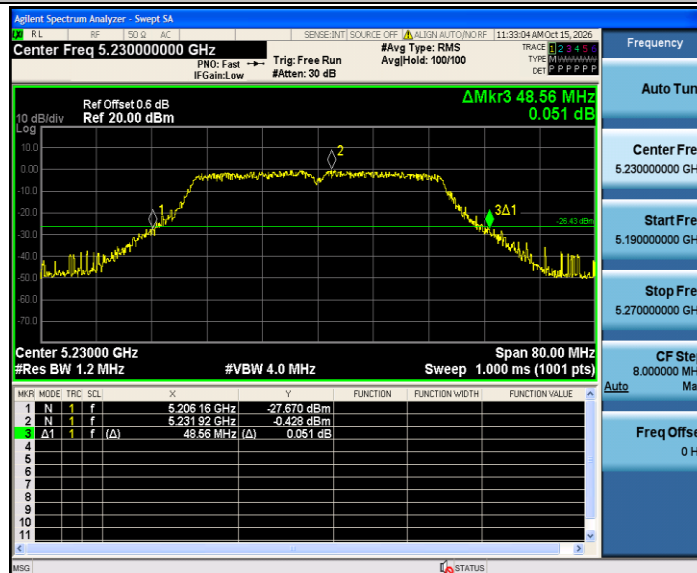


11N20SISO_Ant1_5745

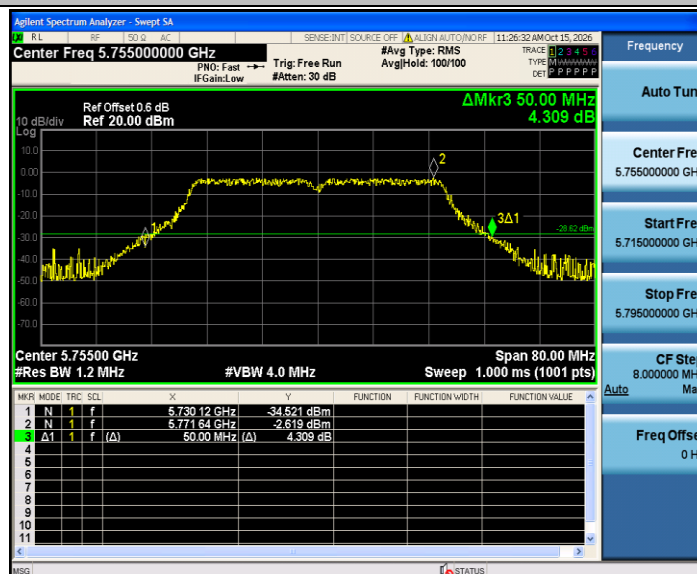




11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5220



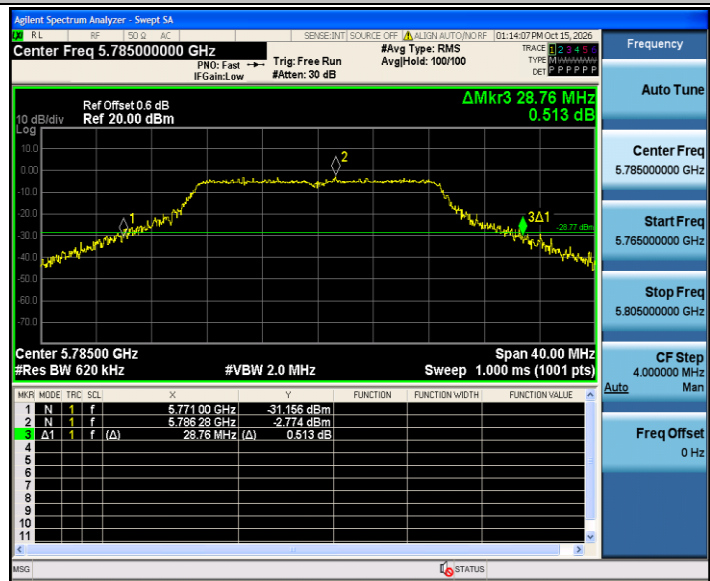
11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



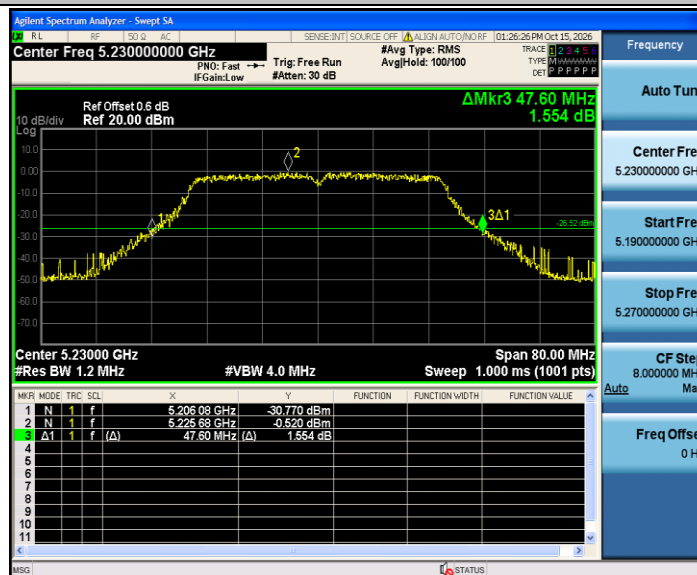
11AC20SISO_Ant1_5825



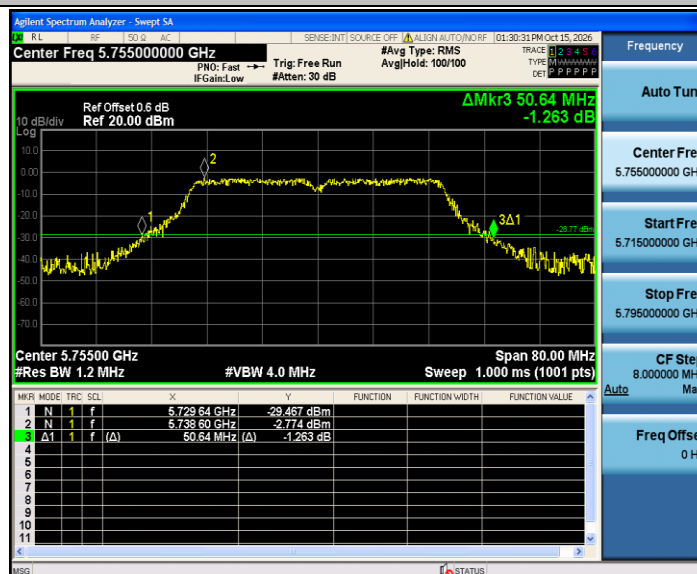
11AC40SISO_Ant1_5190



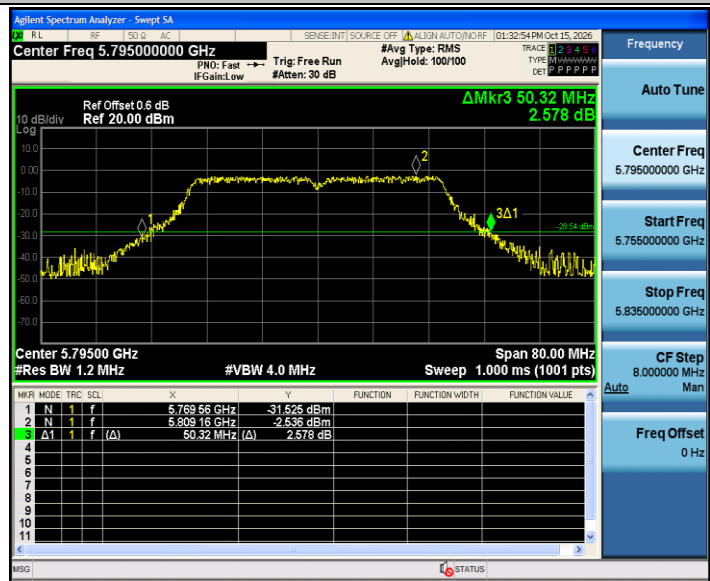
11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

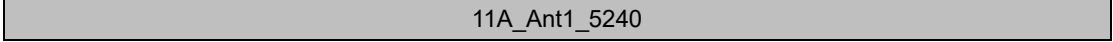
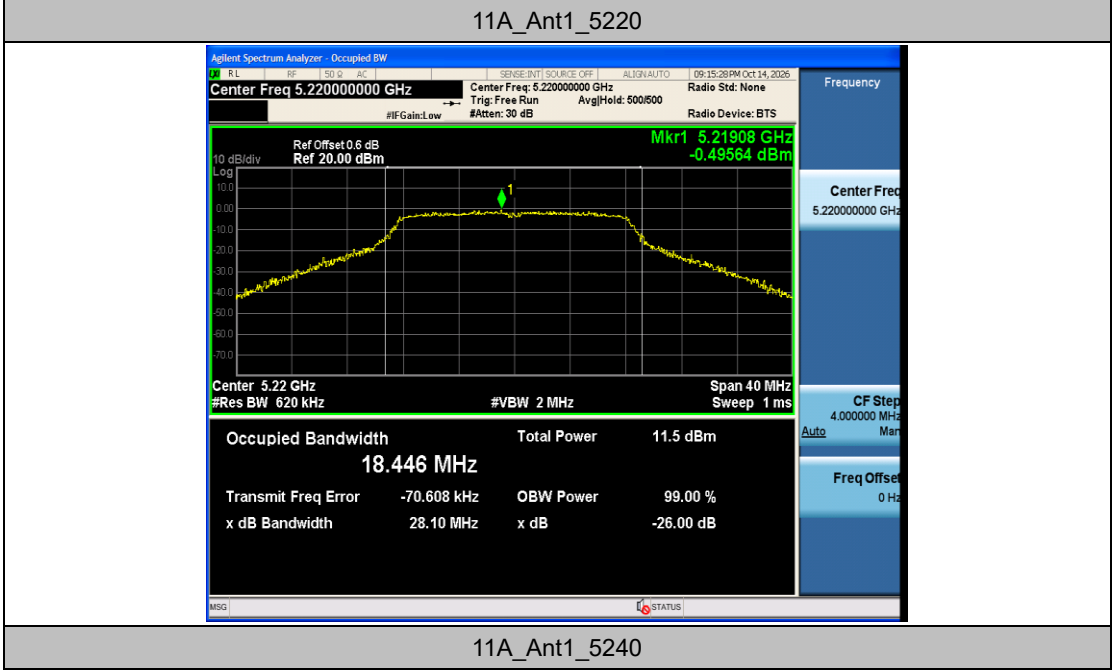
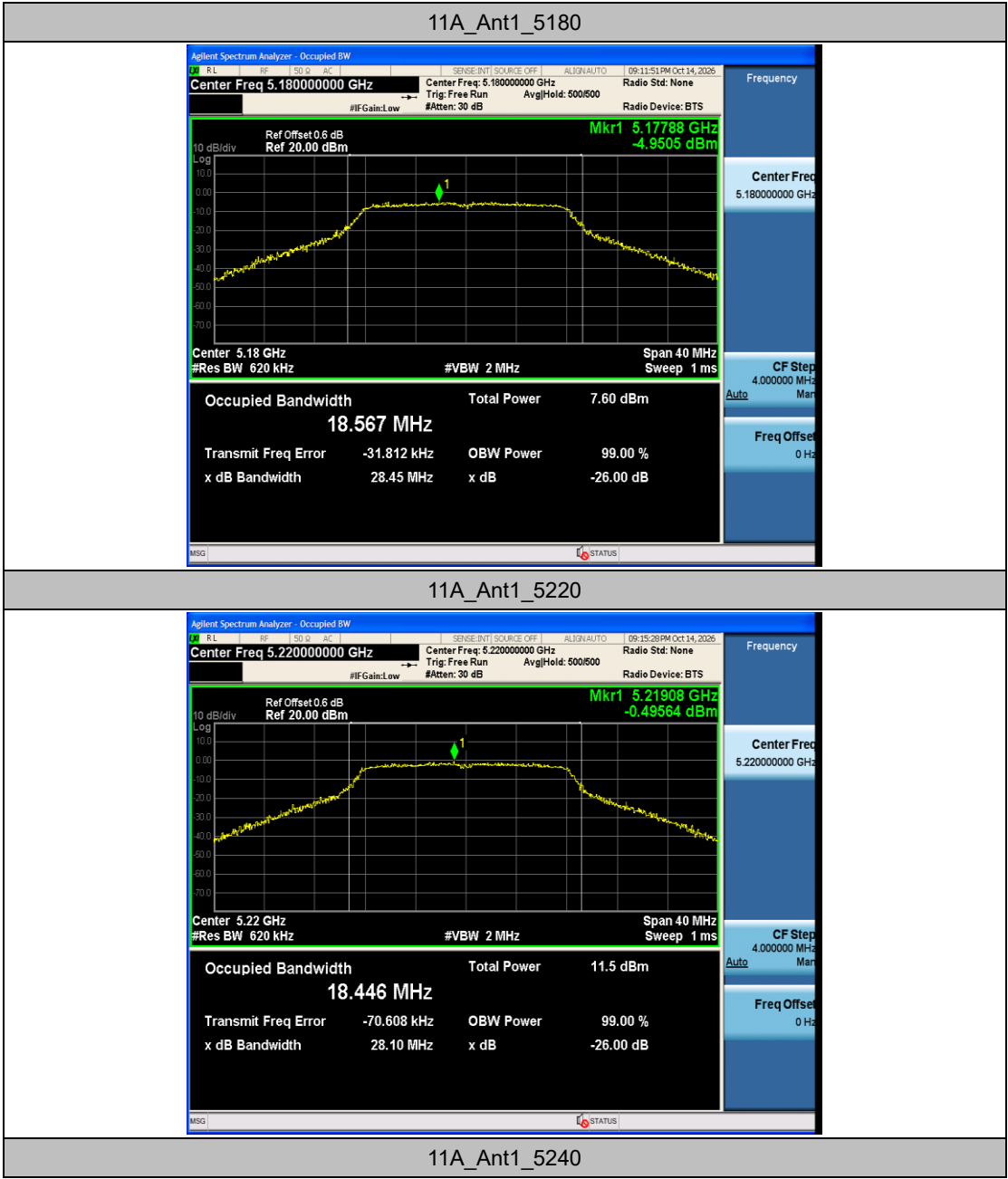


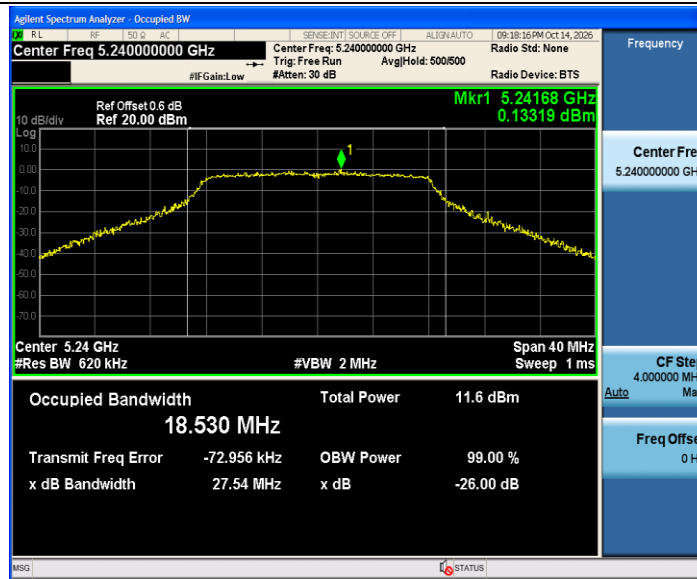
Appendix A2: Occupied channel bandwidth

Test Result

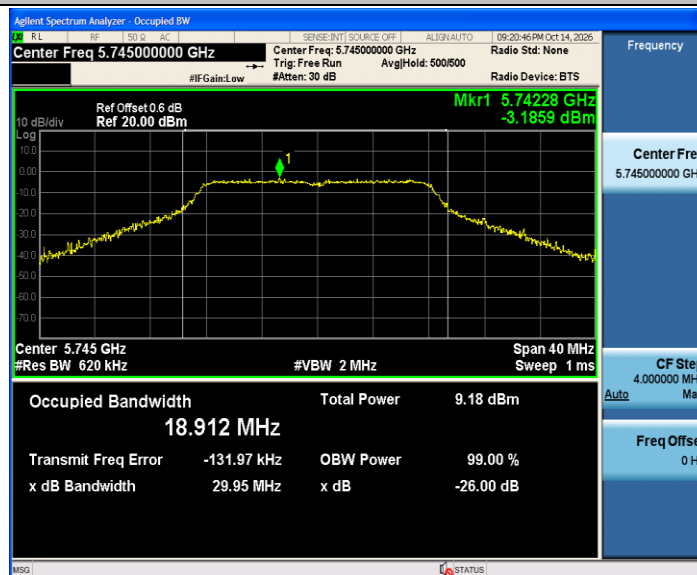
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.567	5170.6847	5189.2517	---	---
		5220	18.446	5210.7064	5229.1524	---	---
		5240	18.530	5230.6620	5249.1920	---	---
		5745	18.912	5735.4120	5754.3240	---	---
		5785	18.906	5775.4773	5794.3833	---	---
		5825	18.821	5815.4700	5834.2910	---	---
11N20SISO	Ant1	5180	19.565	5170.2488	5189.8138	---	---
		5220	19.614	5210.1640	5229.7780	---	---
		5240	19.556	5230.1929	5249.7489	---	---
		5745	19.883	5735.0555	5754.9385	---	---
		5785	19.881	5775.0604	5794.9414	---	---
		5825	19.872	5814.9909	5834.8629	---	---
11N40SISO	Ant1	5190	37.592	5171.3432	5208.9352	---	---
		5230	37.556	5211.2448	5248.8008	---	---
		5755	37.929	5736.0947	5774.0237	---	---
		5795	37.878	5776.0847	5813.9627	---	---
11AC20SISO	Ant1	5180	19.521	5170.3292	5189.8502	---	---
		5220	19.511	5210.2653	5229.7763	---	---
		5240	19.441	5230.2638	5249.7048	---	---
		5745	20.010	5734.9473	5754.9573	---	---
		5785	19.834	5775.0829	5794.9169	---	---
		5825	19.860	5815.0352	5834.8952	---	---
11AC40SISO	Ant1	5190	37.609	5171.3286	5208.9376	---	---
		5230	37.537	5211.2798	5248.8168	---	---
		5755	38.184	5735.9103	5774.0943	---	---
		5795	37.943	5776.0510	5813.9940	---	---

Test Graphs





11A_Ant1_5745



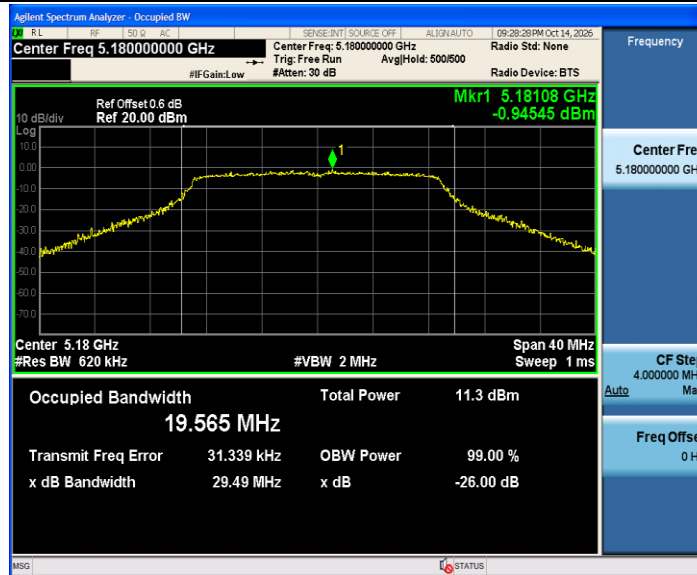
11A_Ant1_5785



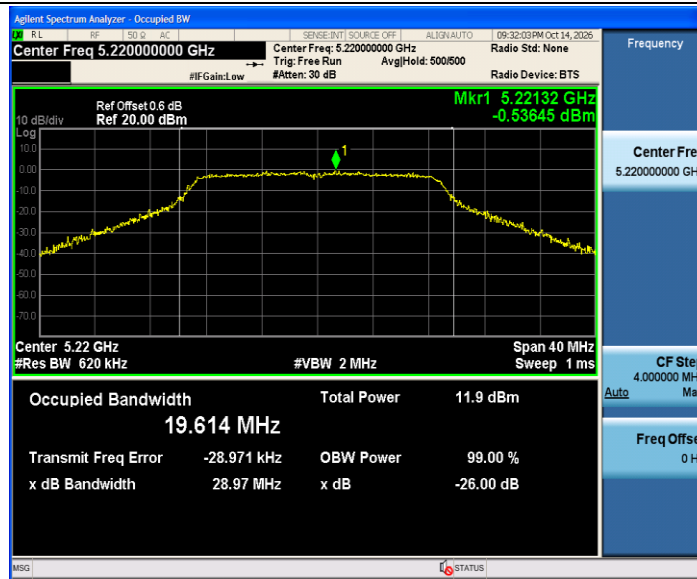
11A_Ant1_5825



11N20SISO_Ant1_5180



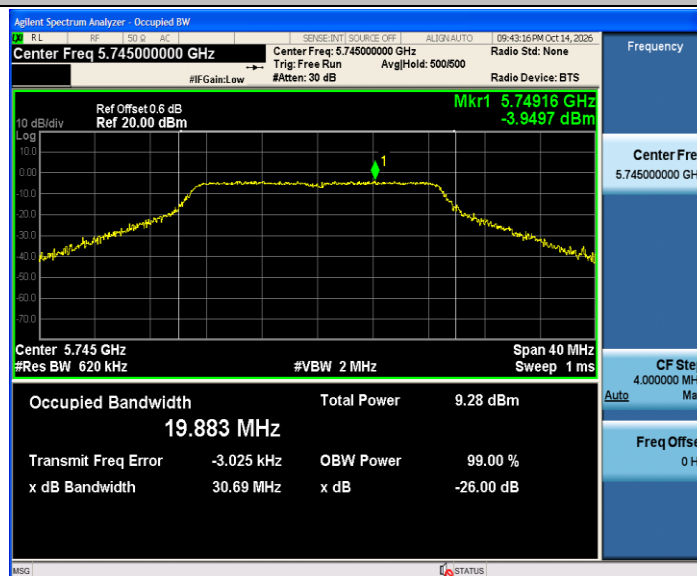
11N20SISO_Ant1_5220



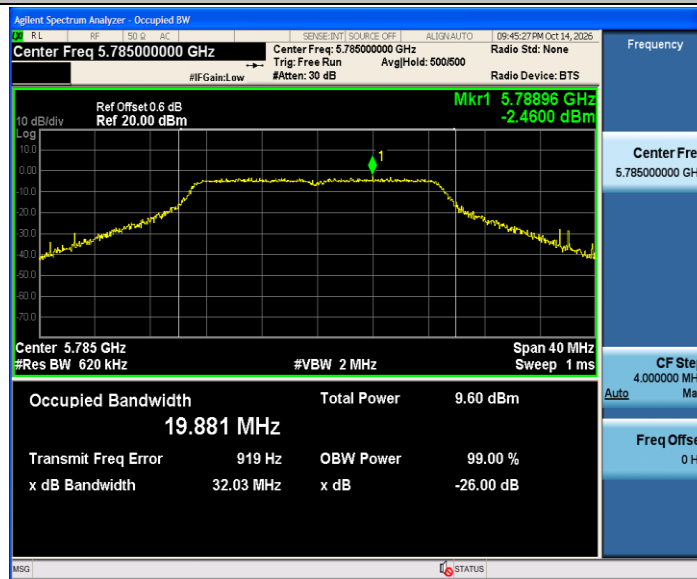
11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



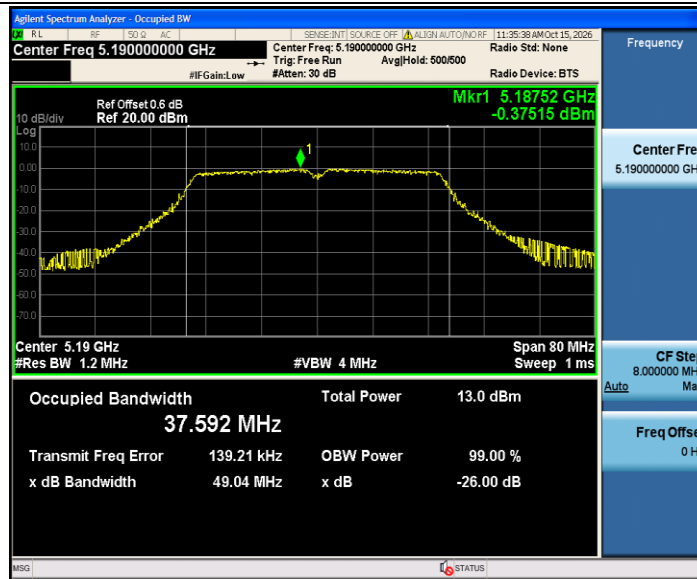
11N20SISO_Ant1_5785



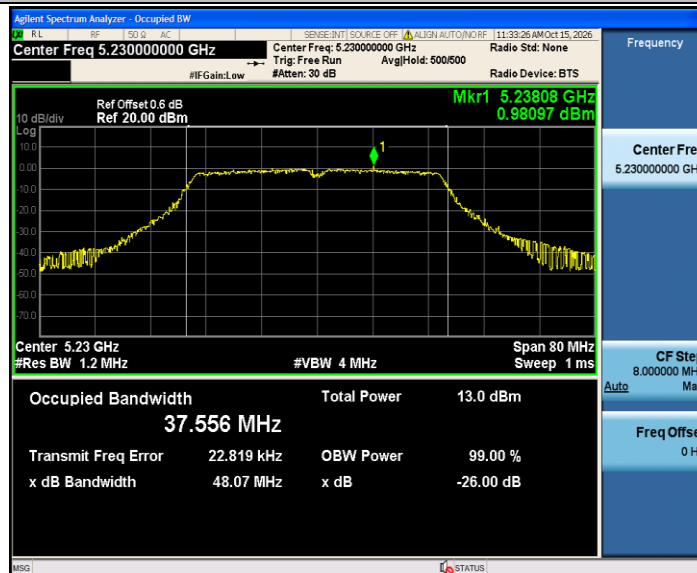
11N20SISO_Ant1_5825



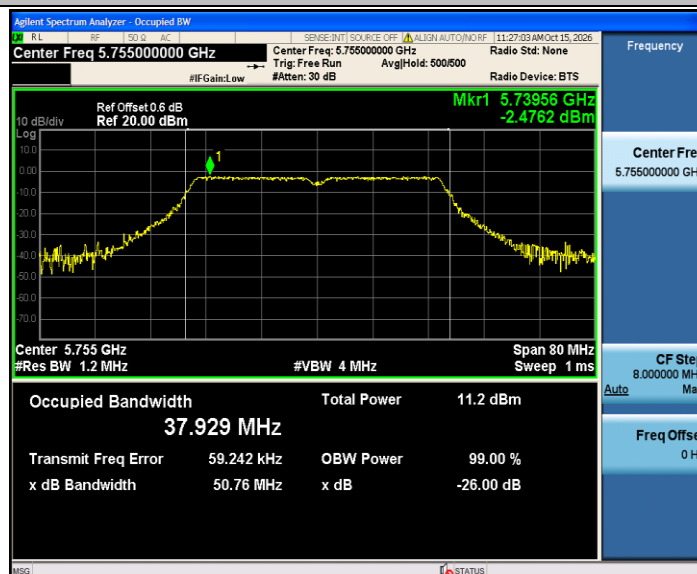
11N40SISO_Ant1_5190



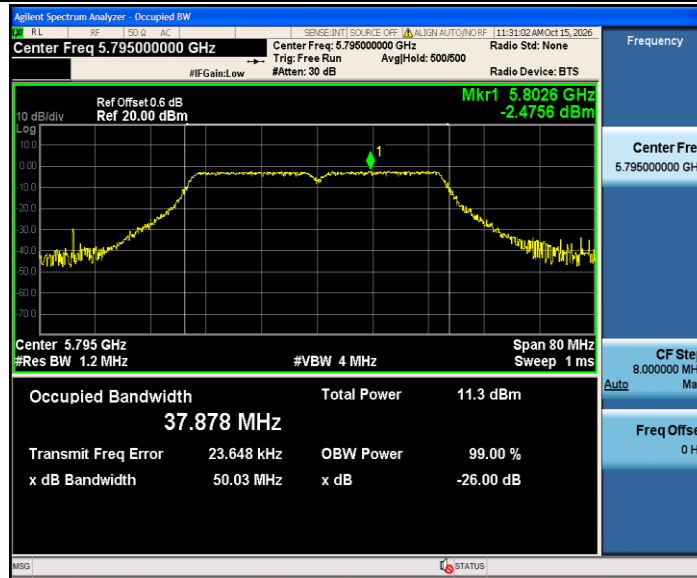
11N40SISO_Ant1_5230



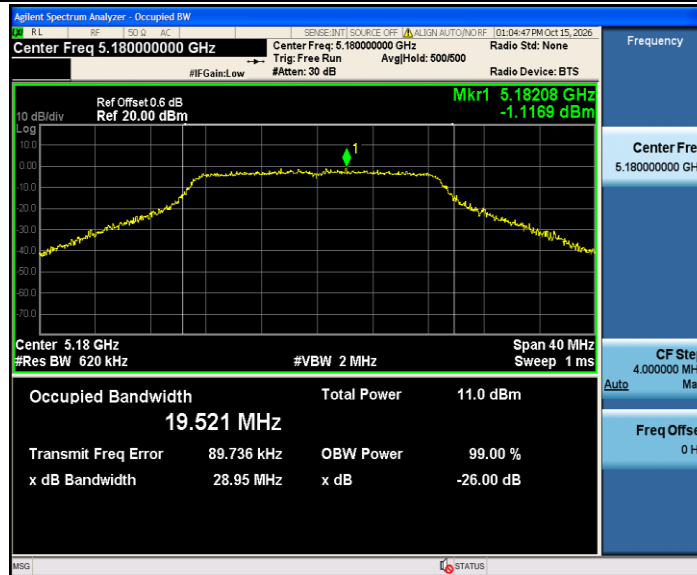
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



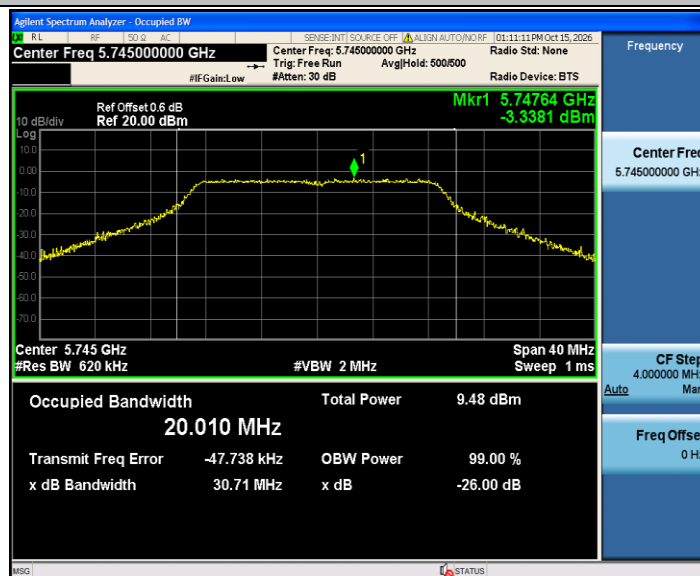
11AC20SISO_Ant1_5220



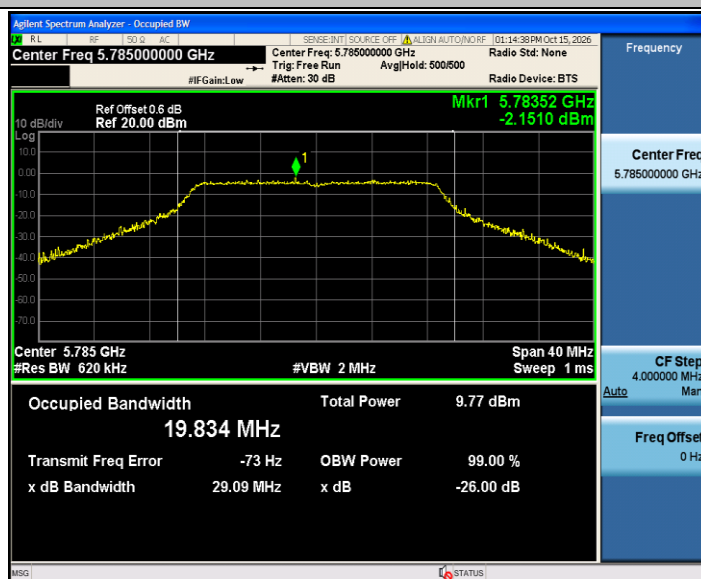
11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



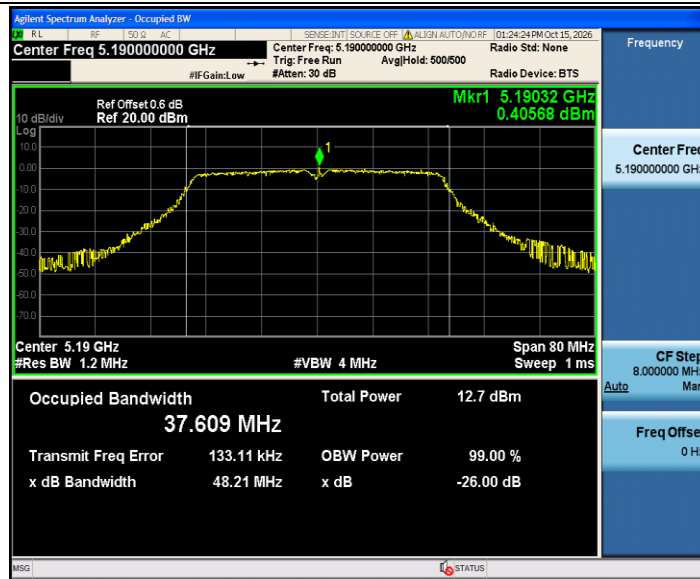
11AC20SISO_Ant1_5785



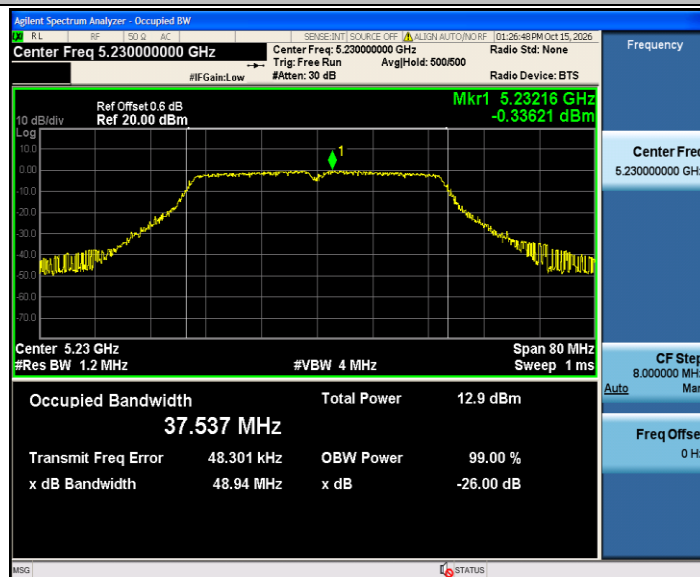
11AC20SISO_Ant1_5825



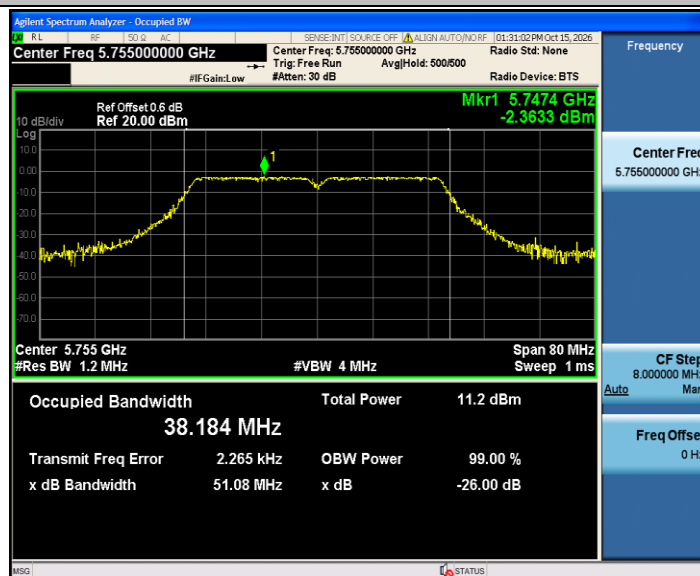
11AC40SISO_Ant1_5190



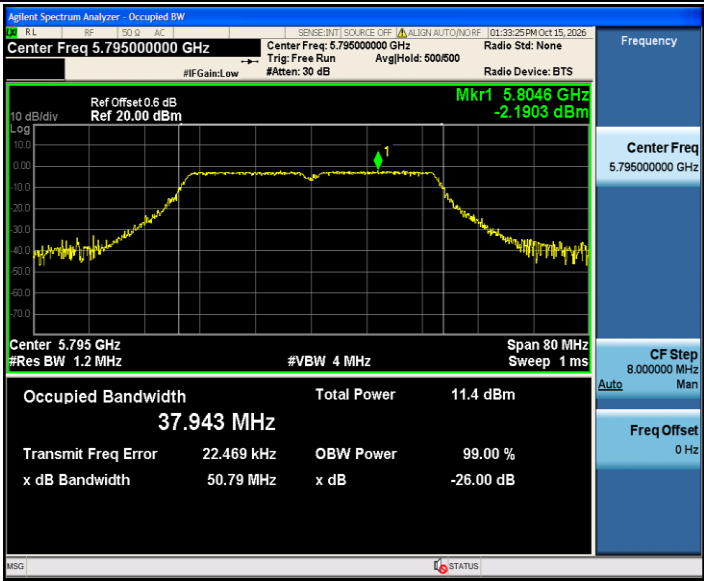
11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



Appendix A3: Min emission bandwidth

Test Result B4

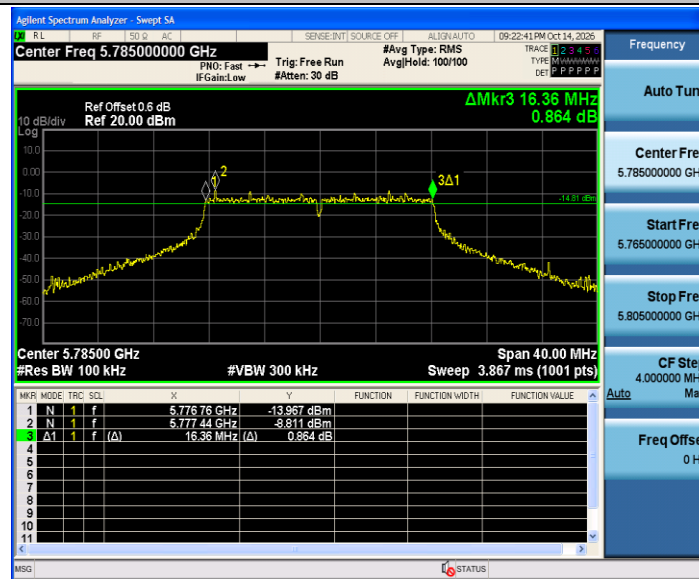
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.360	5736.760	5753.120	0.5	PASS
		5785	16.360	5776.760	5793.120	0.5	PASS
		5825	16.400	5816.760	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.160	5753.760	0.5	PASS
		5785	17.600	5776.160	5793.760	0.5	PASS
		5825	17.600	5816.160	5833.760	0.5	PASS
11N40SISO	Ant1	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AC20SISO	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
11AC40SISO	Ant1	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS

Test Graphs B4

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



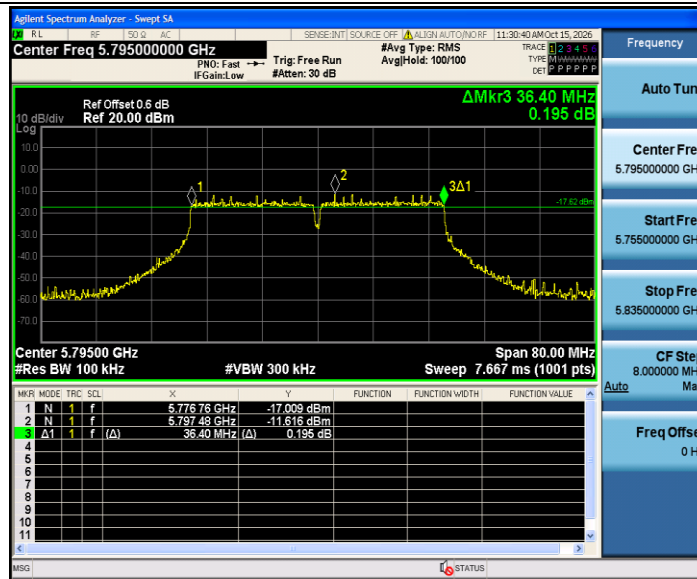
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



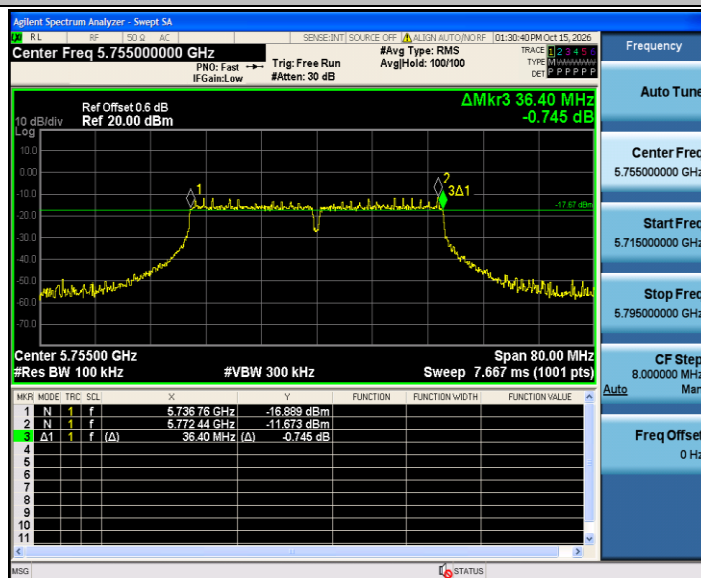
11AC20SISO_Ant1_5785



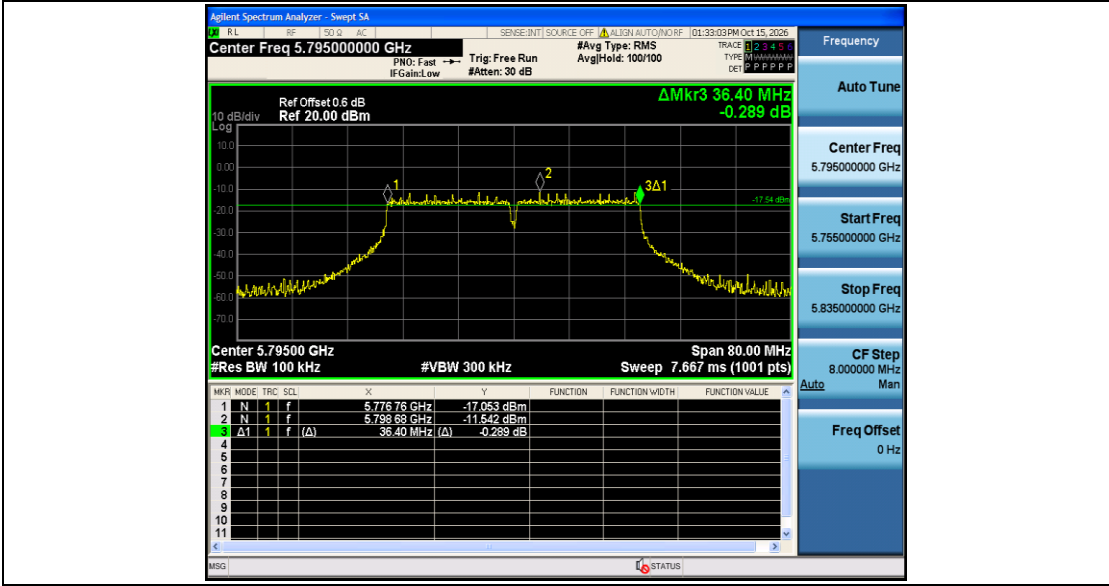
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



Appendix B: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dB]	Limit	Verdict
11A	Ant1	5180	2.03	2.27	89.43	0.49	---	---
		5220	2.04	2.15	94.88	0.23	---	---
		5240	2.03	2.18	93.12	0.31	---	---
		5745	2.03	2.16	93.98	0.27	---	---
		5785	2.04	2.15	94.88	0.23	---	---
		5825	2.03	2.15	94.42	0.25	---	---
11N20SISO	Ant1	5180	1.89	2.36	80.08	0.96	---	---
		5220	1.89	2.02	93.56	0.29	---	---
		5240	1.89	2.03	93.10	0.31	---	---
		5745	1.89	2.06	91.75	0.37	---	---
		5785	1.90	2.12	89.62	0.48	---	---
		5825	1.89	1.96	96.43	0.16	---	---
11N40SISO	Ant1	5190	0.93	1.11	83.78	0.77	---	---
		5230	0.93	1.11	83.78	0.77	---	---
		5755	0.93	1.18	78.81	1.03	---	---
		5795	0.93	1.41	65.96	1.81	---	---
11AC20SISO	Ant1	5180	1.89	2.22	85.14	0.70	---	---
		5220	1.90	2.08	91.35	0.39	---	---
		5240	1.90	2.06	92.23	0.35	---	---
		5745	1.89	2.02	93.56	0.29	---	---
		5785	1.89	2.05	92.20	0.35	---	---
		5825	1.89	2.10	90.00	0.46	---	---
11AC40SISO	Ant1	5190	0.93	1.03	90.29	0.44	---	---
		5230	0.94	1.02	92.16	0.35	---	---
		5755	0.93	1.00	93.00	0.32	---	---
		5795	0.93	1.37	67.88	1.68	---	---