

Appendix Test Data

Report No.:	18220WC20129102	Test Sample No.:	1-2-2
Start Test Date:	2022.6.20	Finish Test Date:	2022.7.25
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	23.7°C	Relative Humidity:	56.5 %
Pressure:	1012 hPa		

Appendix A1: Emission Bandwidth

Test Result

Test Mode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	20.160	5734.960	5755.120	---	PASS
		5785	20.040	5775.080	5795.120	---	PASS
		5825	20.080	5815.000	5835.080	---	PASS
11N20SISO	Ant1	5745	20.200	5734.960	5755.160	---	PASS
		5785	20.480	5774.840	5795.320	---	PASS
		5825	20.360	5815.000	5835.360	---	PASS
11N40SISO	Ant1	5755	40.000	5735.160	5775.160	---	PASS
		5795	39.520	5775.240	5814.760	---	PASS



Test Graphs



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11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



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11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

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Appendix A2: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.954	5736.561	5753.515	---	PASS
		5785	16.904	5776.583	5793.487	---	PASS
		5825	16.954	5816.550	5833.504	---	PASS
11N20SISO	Ant1	5745	18.065	5736.011	5754.076	---	PASS
		5785	18.050	5776.049	5794.099	---	PASS
		5825	18.053	5816.034	5834.087	---	PASS
11N40SISO	Ant1	5755	36.255	5736.970	5773.225	---	PASS
		5795	36.269	5777.001	5813.270	---	PASS



Test Graphs



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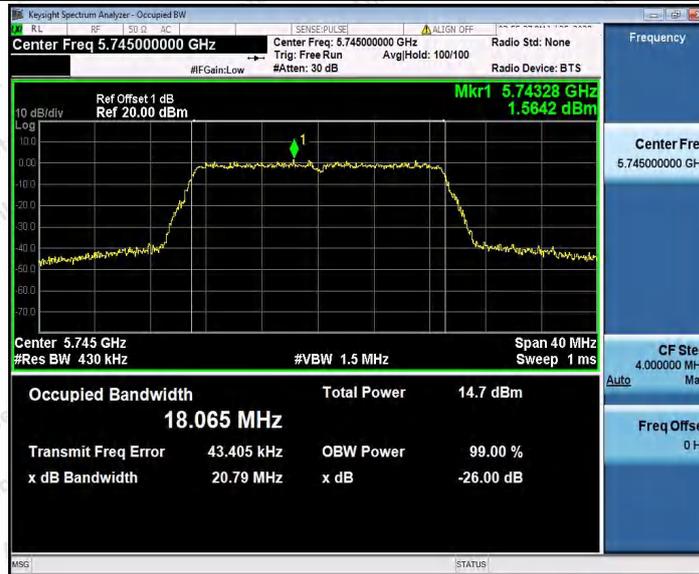
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11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



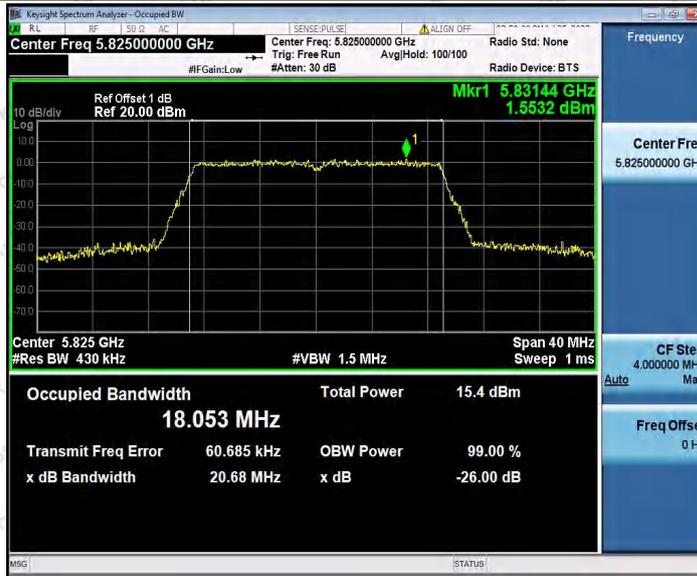
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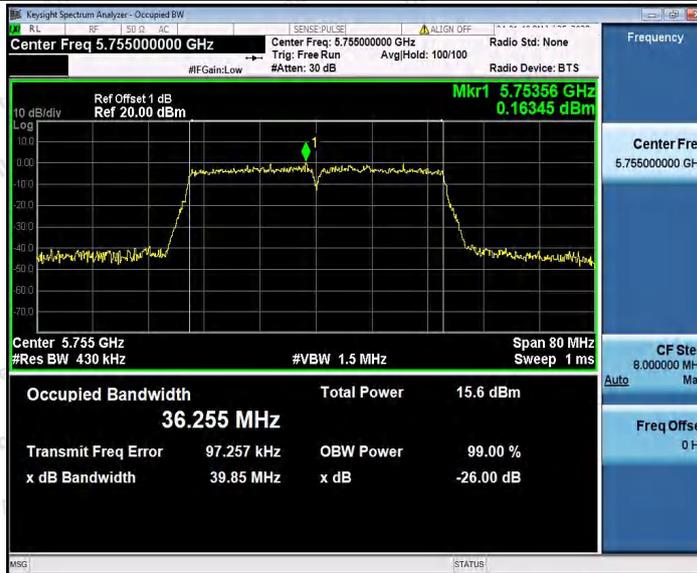
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11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

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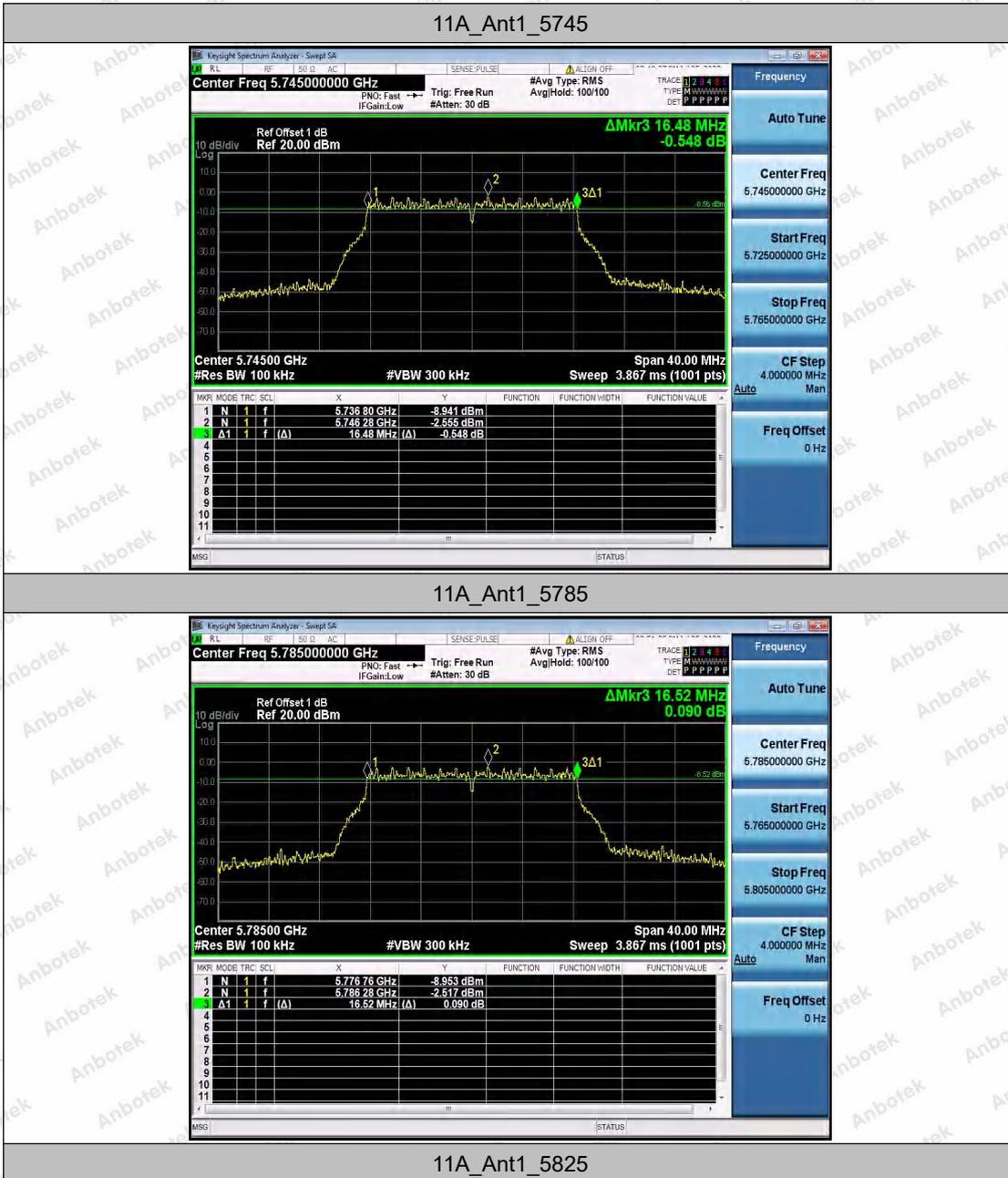
Appendix A3: Min emission bandwidth

Test Result

Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.480	5736.800	5753.280	0.5	PASS
		5785	16.520	5776.760	5793.280	0.5	PASS
		5825	16.520	5816.760	5833.280	0.5	PASS
11N20SISO	Ant1	5745	17.720	5736.160	5753.880	0.5	PASS
		5785	17.800	5776.120	5793.920	0.5	PASS
		5825	17.760	5816.120	5833.880	0.5	PASS
11N40SISO	Ant1	5755	36.400	5736.840	5773.240	0.5	PASS
		5795	36.160	5777.160	5813.320	0.5	PASS



Test Graphs

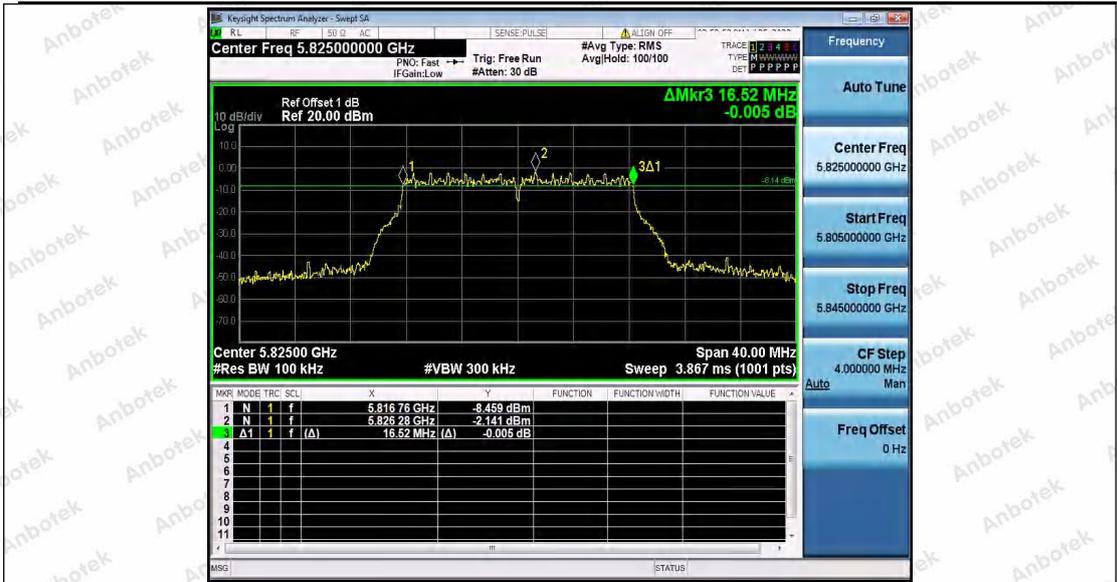


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11N20SISO_Ant1_5745



11N20SISO_Ant1_5785

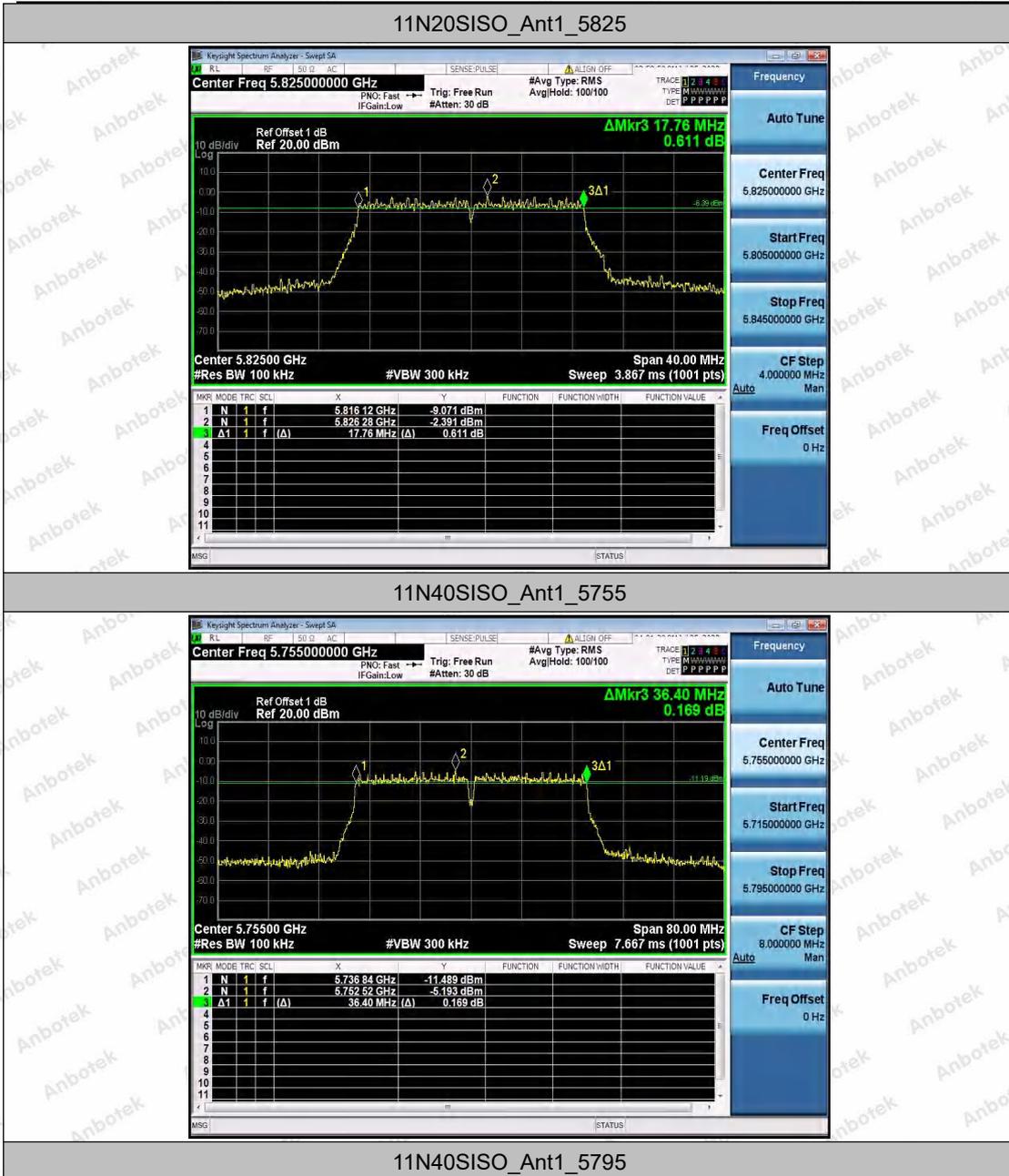


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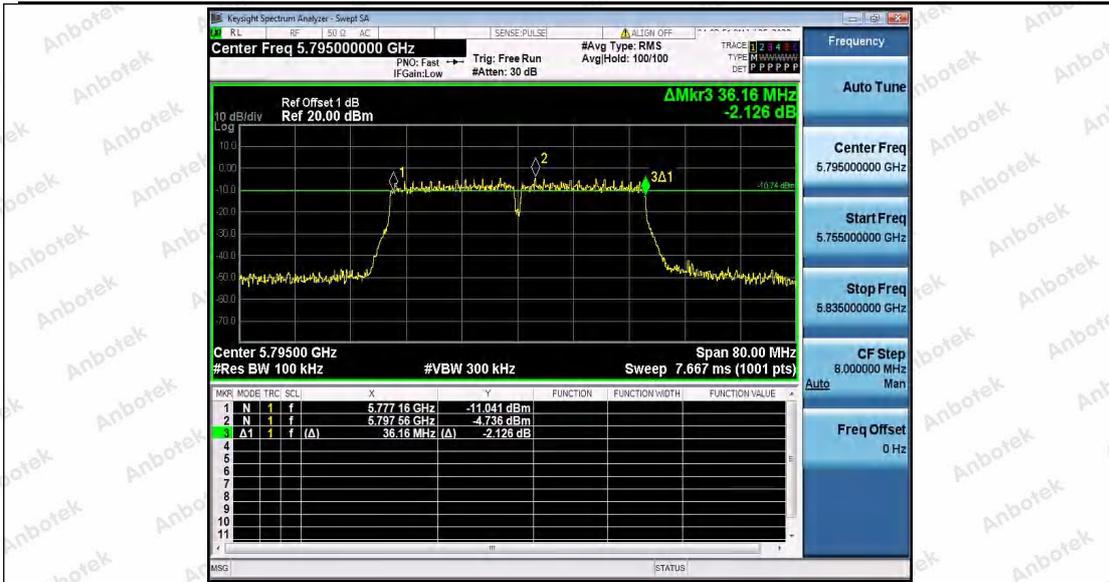


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Appendix B: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5745	15.51	≤30	PASS
		5785	15.70	≤30	PASS
		5825	15.82	≤30	PASS
11N20SISO	Ant1	5745	14.05	≤30	PASS
		5785	14.40	≤30	PASS
		5825	14.79	≤30	PASS
11N40SISO	Ant1	5755	14.95	≤30	PASS
		5795	15.49	≤30	PASS

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



Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result [dBm/500kHz]	Limit [dBm/500kHz]	Verdict
11A	Ant1	5745	2.4	≤30	PASS
		5785	2.56	≤30	PASS
		5825	1.72	≤30	PASS
11N20SISO	Ant1	5745	1.46	≤30	PASS
		5785	1.34	≤30	PASS
		5825	2.06	≤30	PASS
11N40SISO	Ant1	5755	-0.62	≤30	PASS
		5795	-0.24	≤30	PASS

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Test Graphs

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825

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11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



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11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

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Appendix D: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Freq Range [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-40.16	≤9.87	PASS
				5700~5720	-39.52	≤12.21	PASS
				5720~5725	-39.1	≤26.13	PASS
				5755~5650	-43.09	≤-27	PASS
		High	5825	5850~5855	-36.29	≤16.51	PASS
				5855~5875	-38.86	≤10.98	PASS
				5875~5925	-42.08	≤-9.91	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-41.12	≤7.80	PASS
				5700~5720	-39.27	≤13.47	PASS
				5720~5725	-38.55	≤23.66	PASS
				5755~5650	-42.6	≤-27	PASS
		High	5825	5850~5855	-37.9	≤16.17	PASS
				5855~5875	-38.18	≤10.52	PASS
				5875~5925	-41.81	≤-6.47	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-40.55	≤10.00	PASS
				5700~5720	-35.33	≤14.30	PASS
				5720~5725	-33.71	≤24.72	PASS
				5745~5650	-42.66	≤-27	PASS
		High	5795	5850~5855	-40.45	≤17.14	PASS
				5855~5875	-42.27	≤14.03	PASS
				5875~5925	-42.21	≤-25.79	PASS
				5925~5950	-43.69	≤-27	PASS



Test Graphs

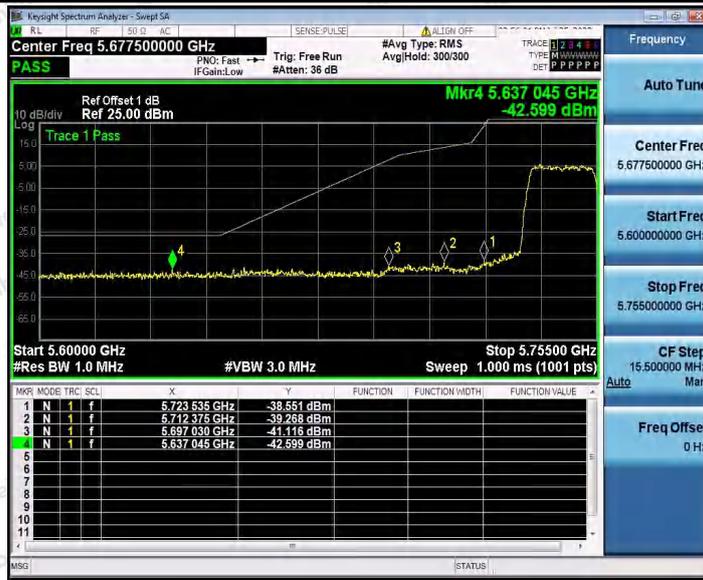


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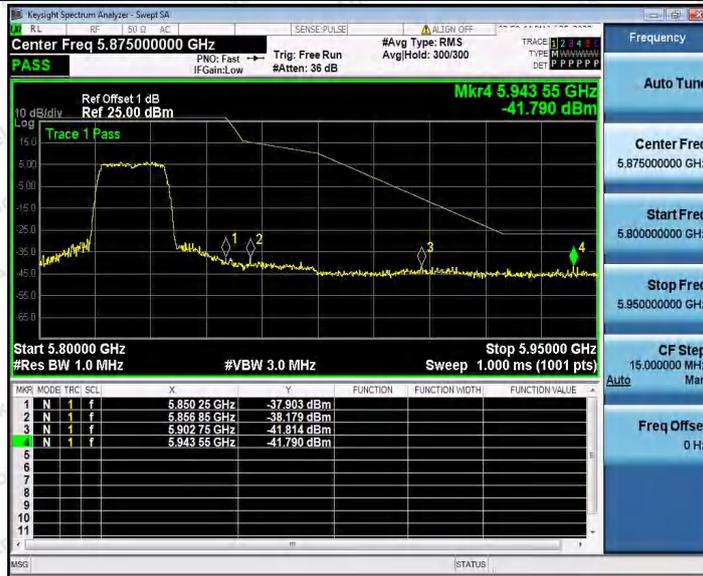
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11N20SISO_Ant1_High_5825



11N40SISO_Ant1_Low_5755



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Appendix E: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5745	0.17	0.24	70.83	---	PASS
		5785	0.17	0.24	70.83	---	PASS
		5825	0.18	0.24	75.00	---	PASS
11N20SISO	Ant1	5745	0.55	0.61	90.16	---	PASS
		5785	0.55	0.61	90.16	---	PASS
		5825	0.55	0.61	90.16	---	PASS
11N40SISO	Ant1	5755	0.28	0.34	82.35	---	PASS
		5795	0.28	0.35	80.00	---	PASS

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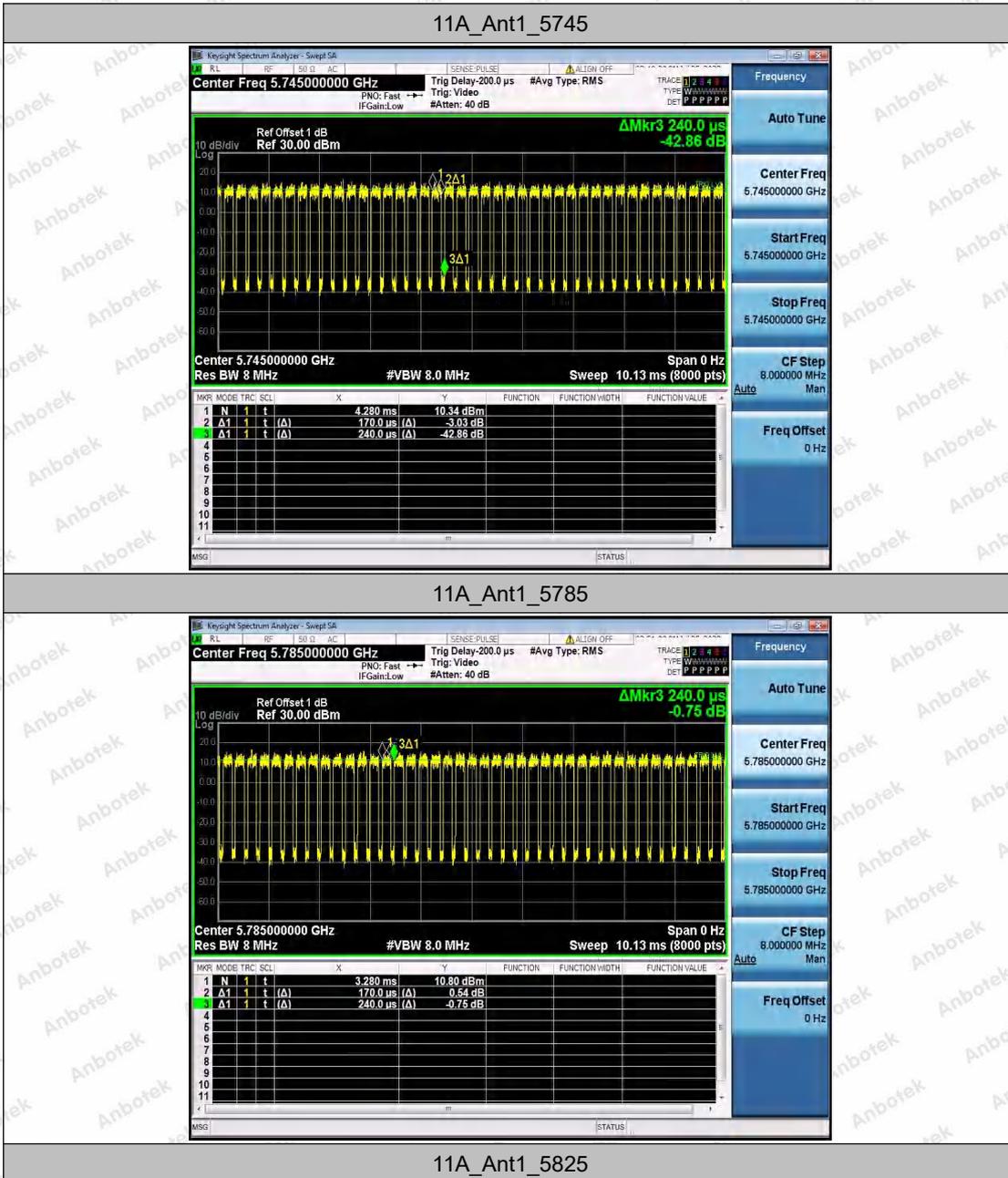
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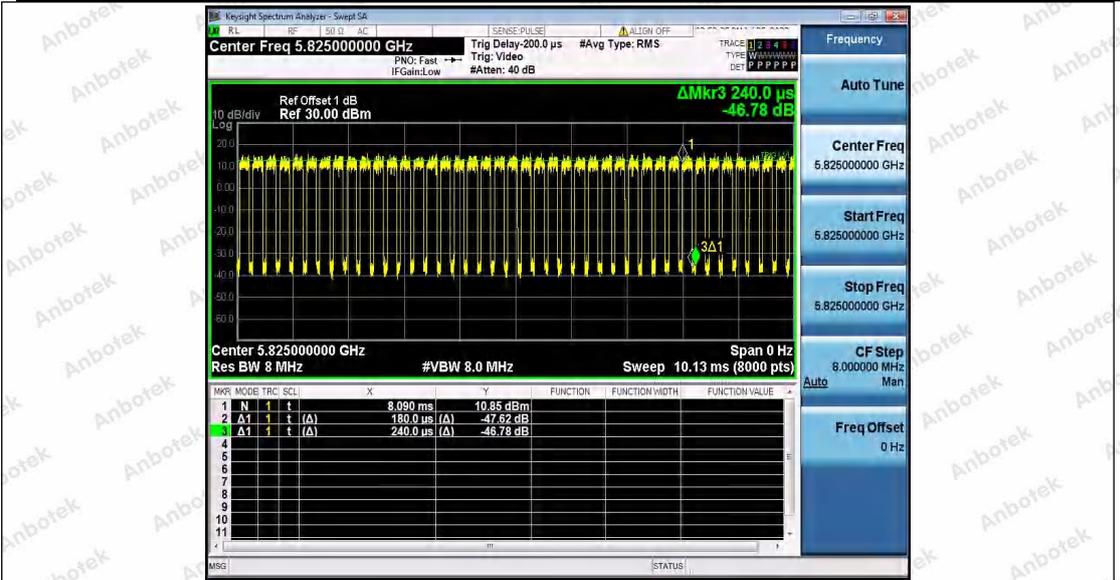


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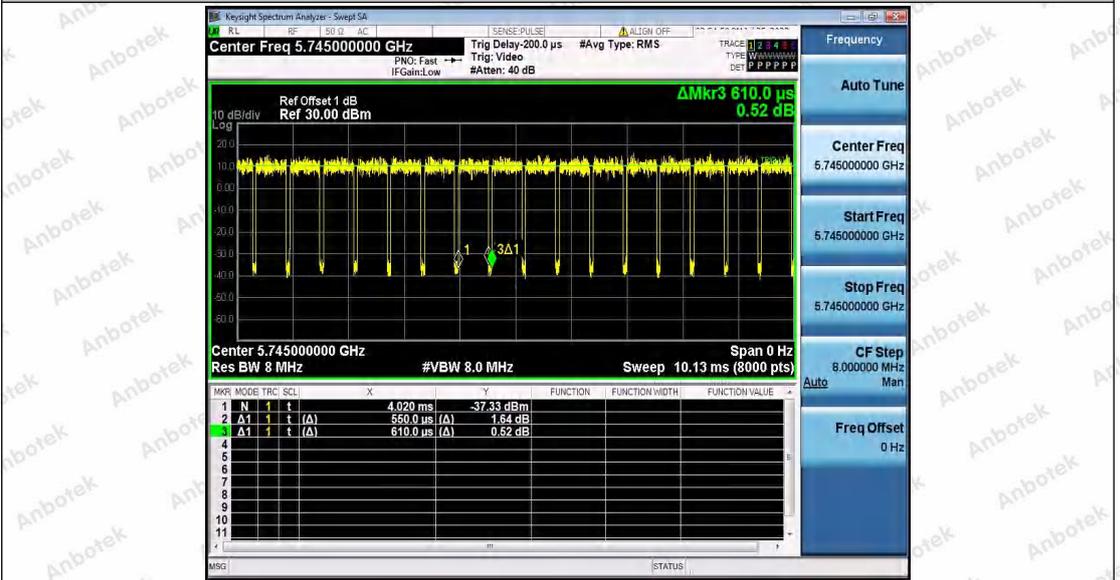
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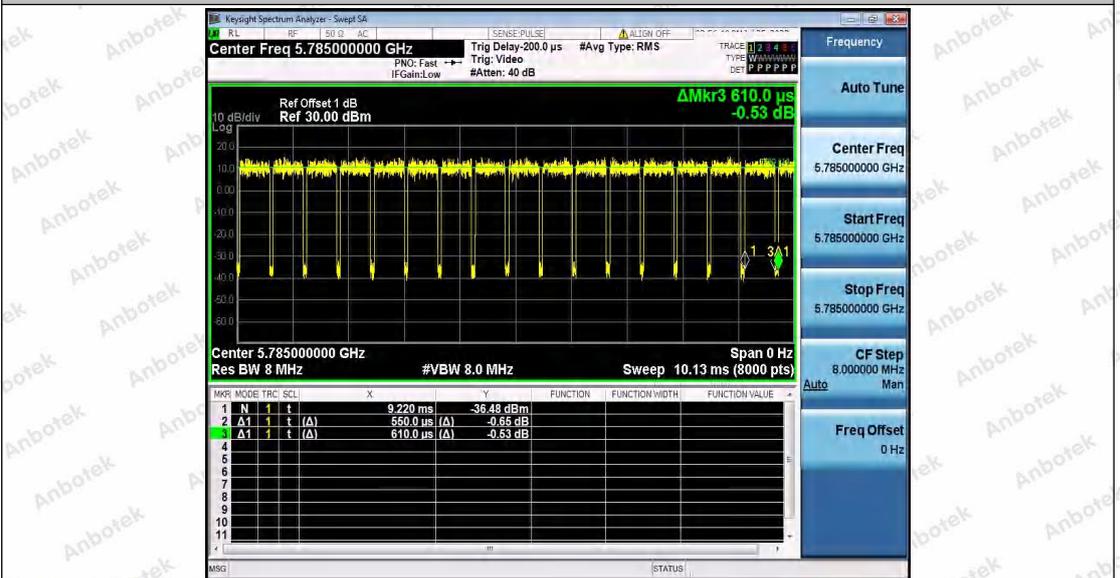




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11N20SISO_Ant1_5785

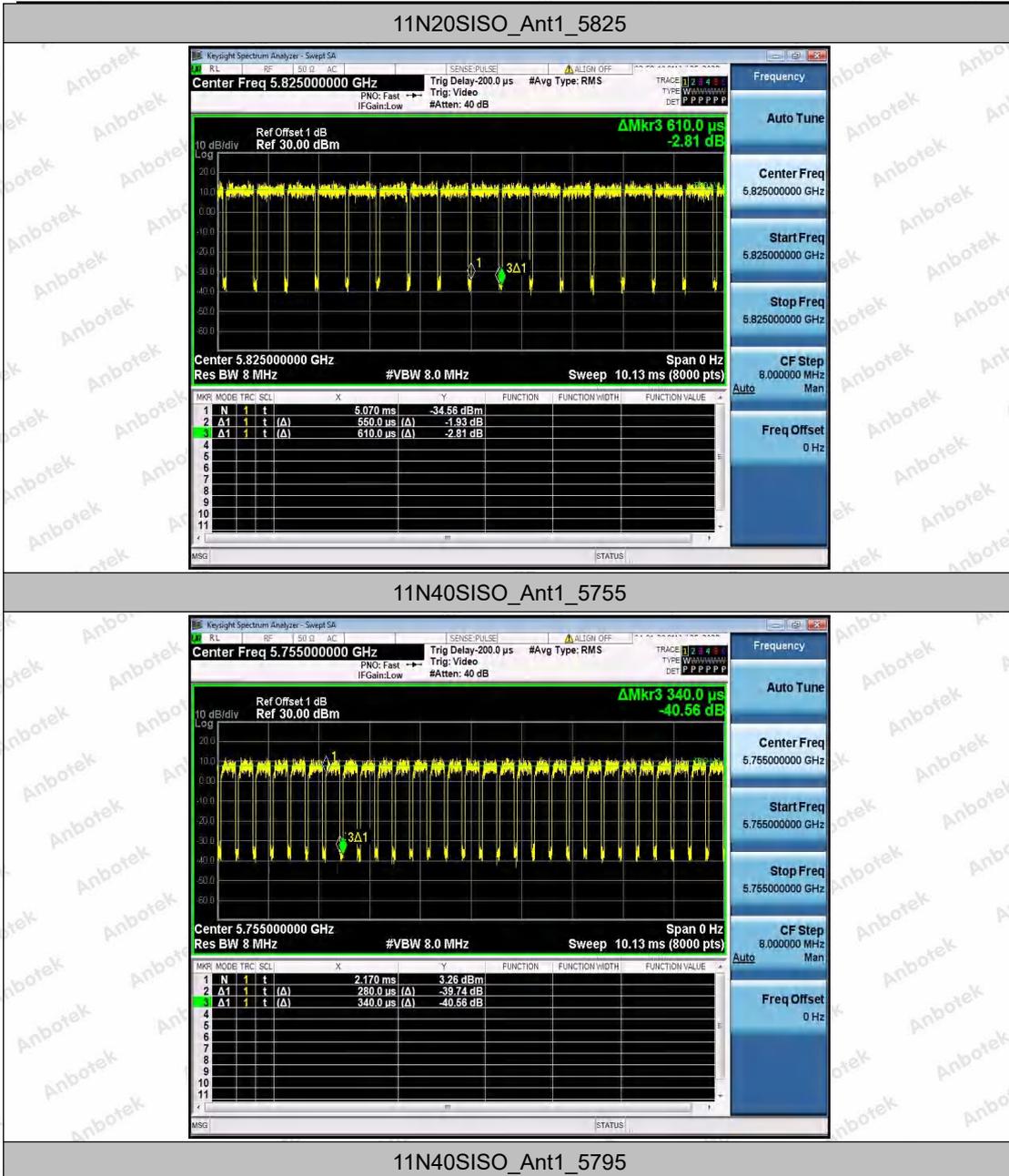


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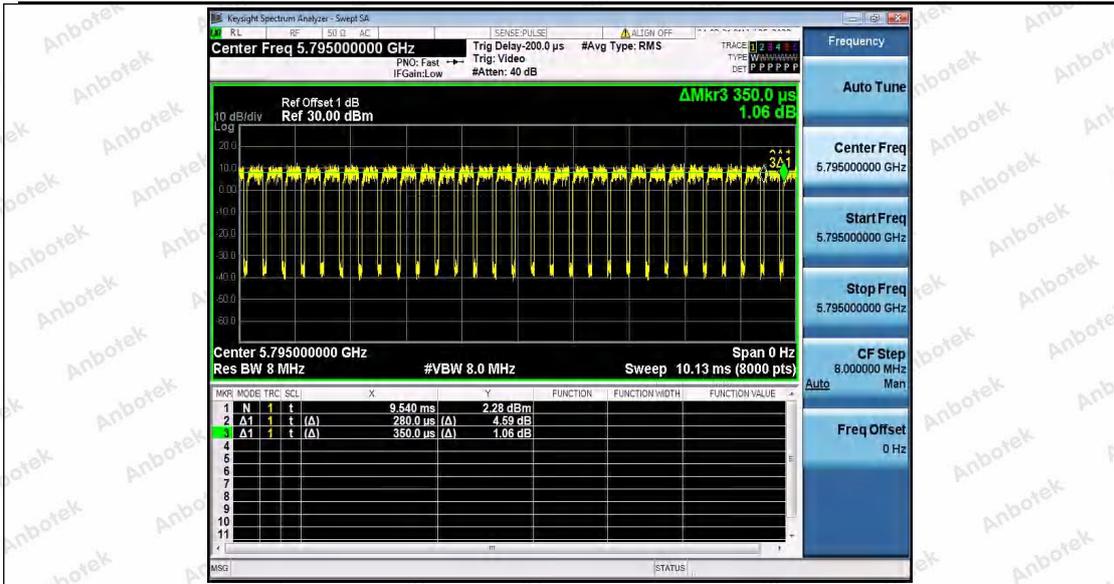


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