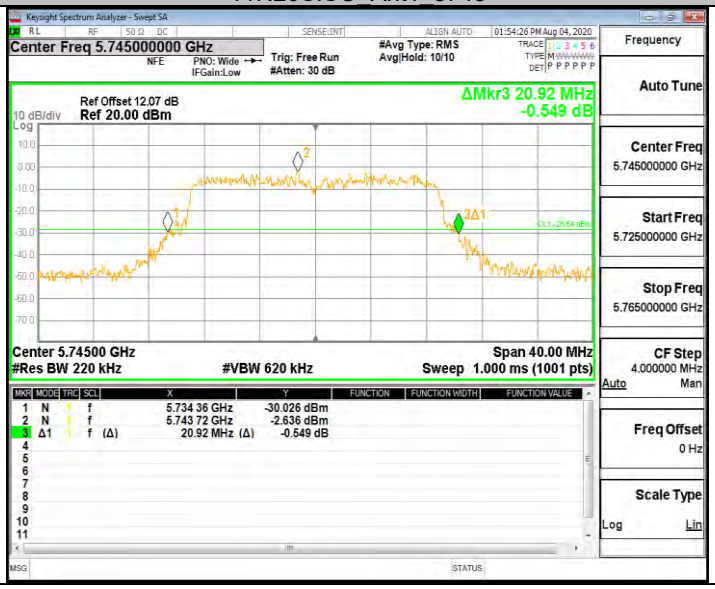
11N20SISO_Ant1_5240
11N20SISO_Ant1_5745


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11N20SISO_Ant1_5785
11N20SISO_Ant1_5825

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11N40SISO_Ant1_5190
11N40SISO_Ant1_5230

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11N40SISO_Ant1_5755
11N40SISO_Ant1_5795

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11AC20SISO_Ant1_5180

11AC20SISO_Ant1_5200

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11AC20SISO_Ant1_5240
11AC20SISO_Ant1_5745

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11AC20SISO_Ant1_5785
11AC20SISO_Ant1_5825

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11AC40SISO_Ant1_5190
11AC40SISO_Ant1_5230

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11AC40SISO_Ant1_5755
11AC40SISO_Ant1_5795

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11AC80SISO_Ant1_5210

11AC80SISO_Ant1_5775

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Appendix A2: 99% Occupied channel bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11A20	Ant1	5180	16.728	5171.532	5188.260	PASS
		5200	16.678	5191.608	5208.286	PASS
		5240	16.684	5231.634	5248.318	PASS
		5745	16.706	5736.578	5753.284	PASS
		5785	16.847	5776.584	5793.431	PASS
		5825	16.772	5816.574	5833.346	PASS
11N20SISO	Ant1	5180	17.796	5171.097	5188.893	PASS
		5200	17.678	5191.117	5208.795	PASS
		5240	17.795	5231.132	5248.927	PASS
		5745	17.760	5736.114	5753.874	PASS
		5785	17.833	5776.056	5793.889	PASS
		5825	17.774	5816.089	5833.863	PASS
11N40SISO	Ant1	5190	36.235	5171.917	5208.152	PASS
		5230	36.133	5211.885	5248.018	PASS
		5755	36.133	5736.925	5773.058	PASS
		5795	36.138	5776.891	5813.029	PASS
11AC20SISO	Ant1	5180	17.774	5171.097	5188.871	PASS
		5200	17.738	5191.173	5208.911	PASS
		5240	17.754	5231.124	5248.878	PASS
		5745	17.697	5736.143	5753.840	PASS
		5785	17.754	5776.132	5793.886	PASS
		5825	17.737	5816.166	5833.903	PASS
11AC40SISO	Ant1	5190	36.263	5171.850	5208.113	PASS
		5230	36.142	5211.938	5248.080	PASS
		5755	36.209	5736.867	5773.076	PASS
		5795	36.168	5776.914	5813.082	PASS
11AC80SISO	Ant1	5210	75.483	5172.373	5247.856	PASS
		5775	75.530	5737.176	5812.706	PASS

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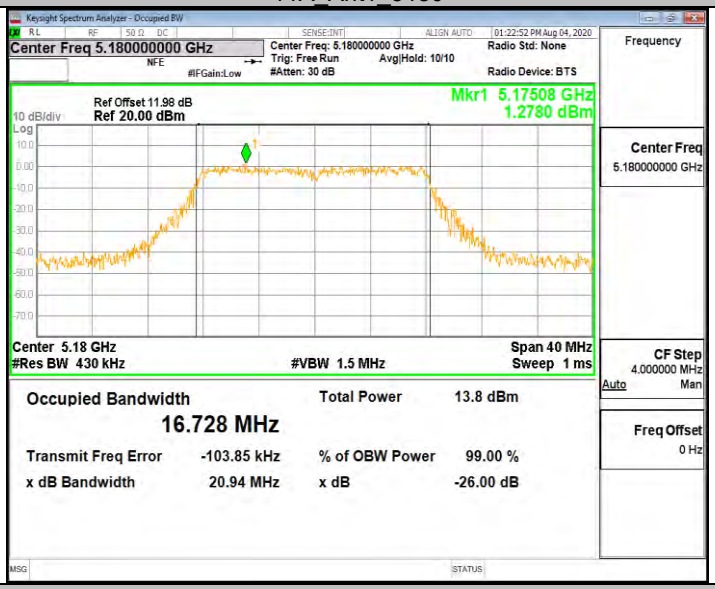
Test Graphs

11A_Ant1_5180



11A_Ant1_5200

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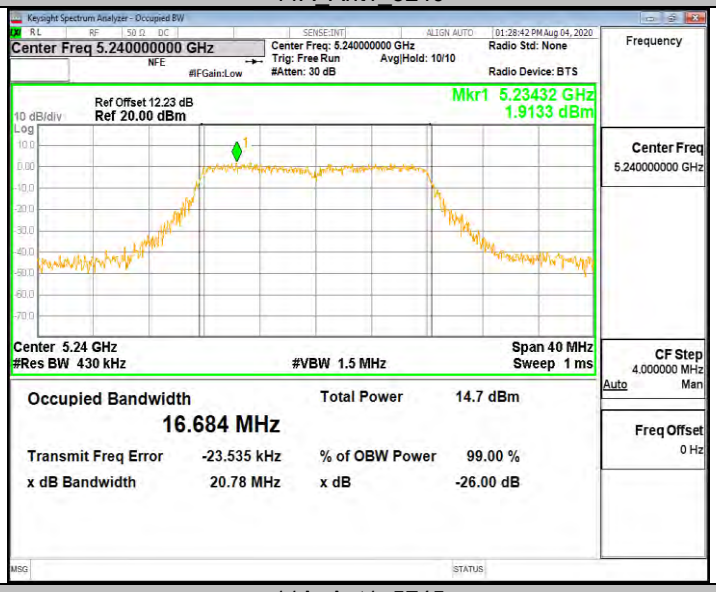
11A_Ant1_5240



11A_Ant1_5745

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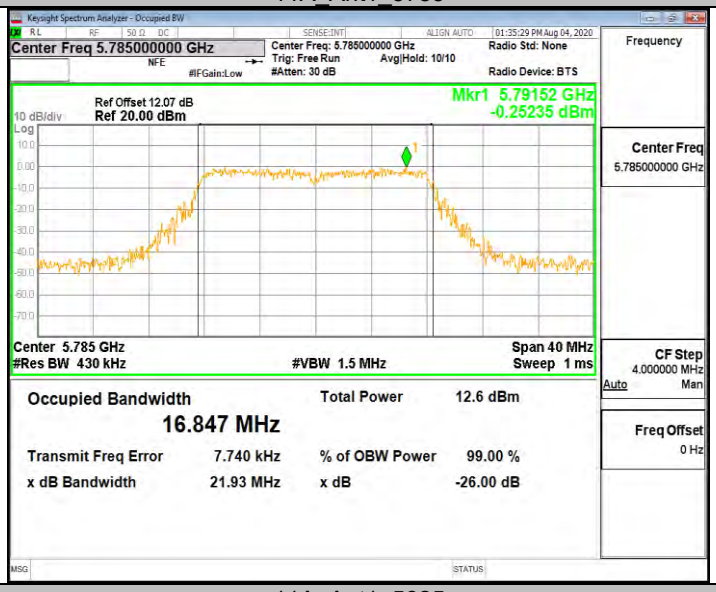
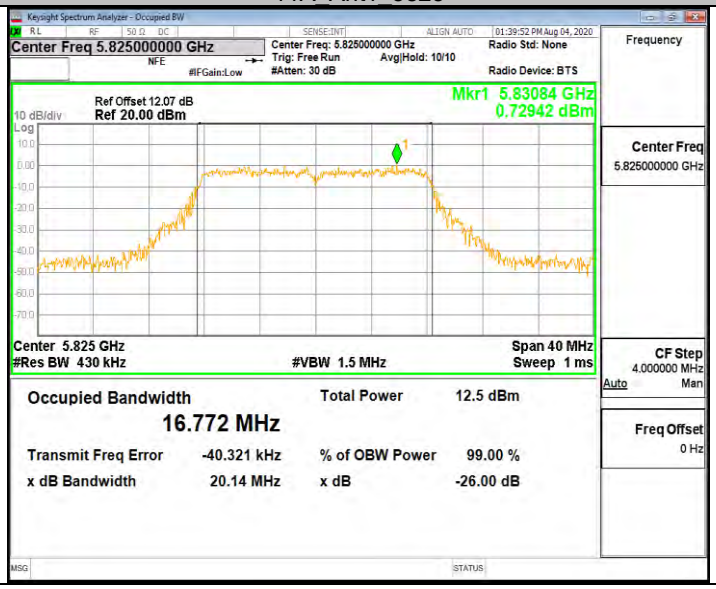
11A_Ant1_5785



11A_Ant1_5825



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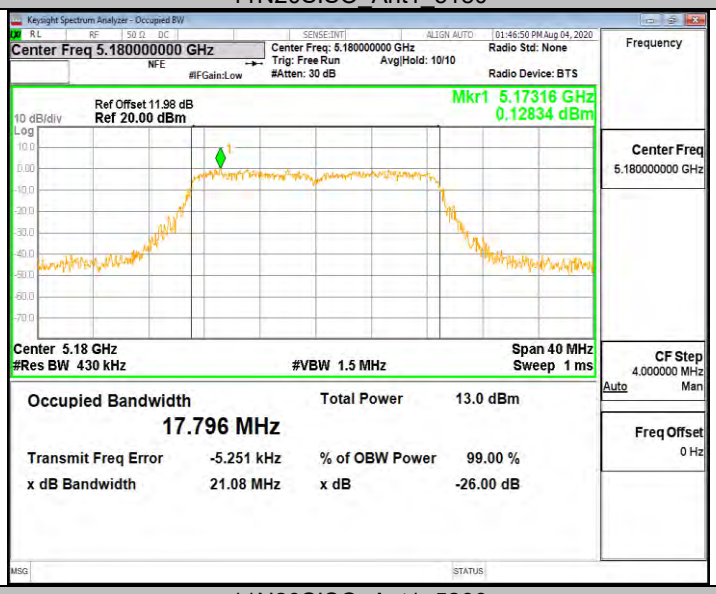
11N20SISO_Ant1_5180

11N20SISO_Ant1_5200

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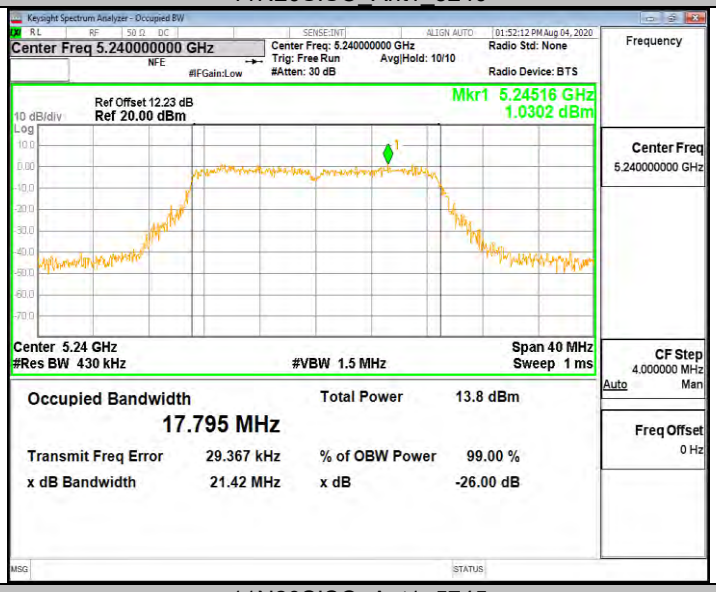
11N20SISO_Ant1_5240


11N20SISO_Ant1_5745

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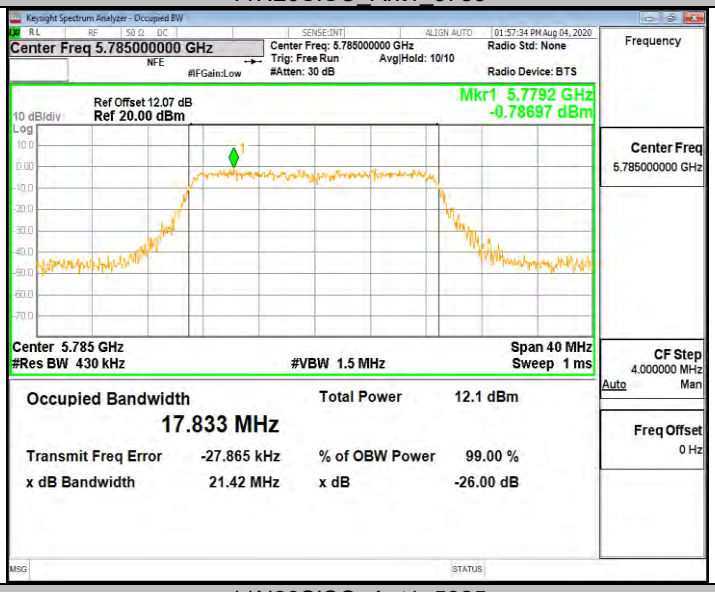
11N20SISO_Ant1_5825

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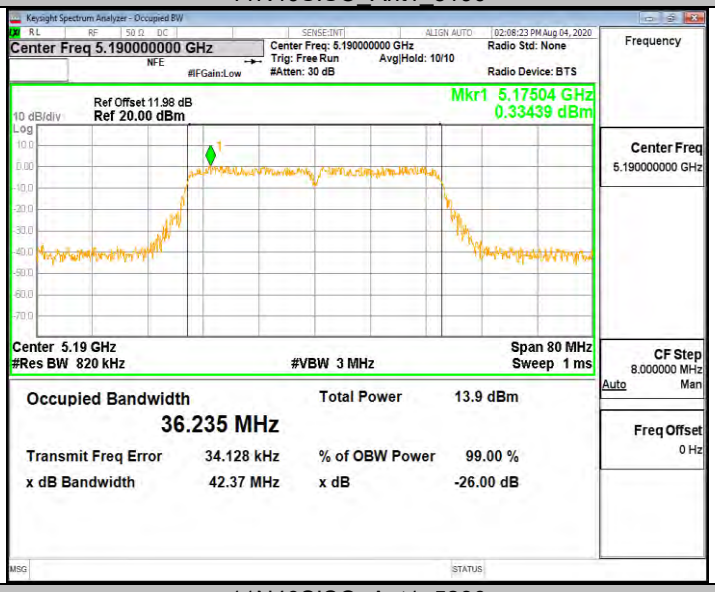
11N40SISO_Ant1_5190


11N40SISO_Ant1_5230

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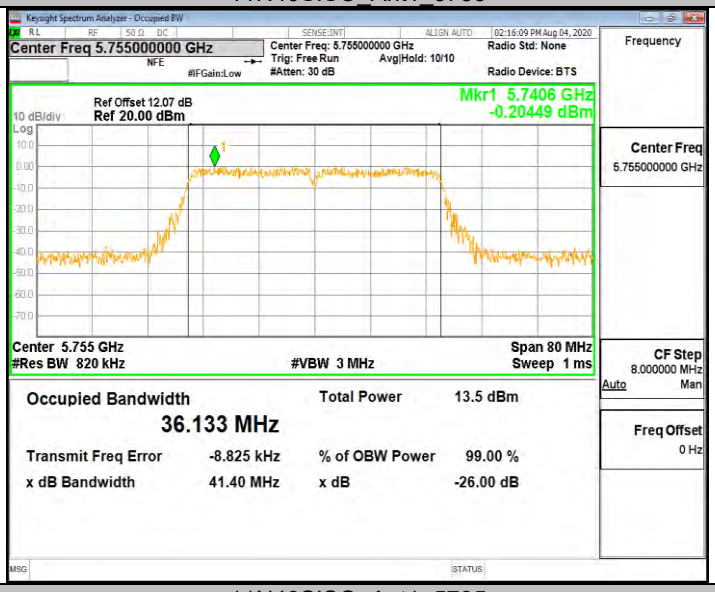
11N40SISO_Ant1_5755

11N40SISO_Ant1_5795

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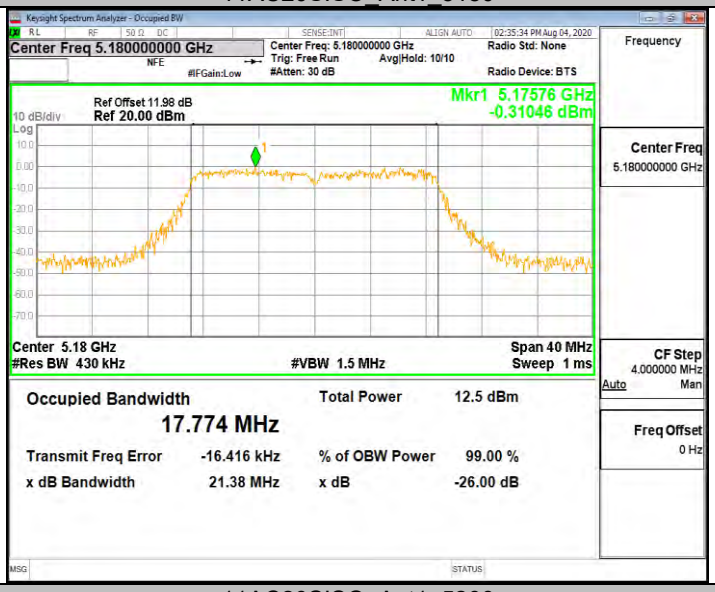
11AC20SISO_Ant1_5180

11AC20SISO_Ant1_5200

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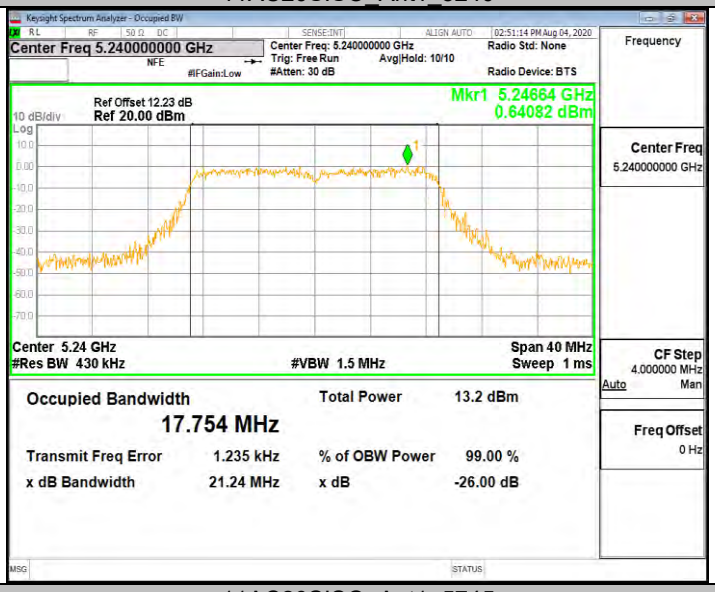
11AC20SISO_Ant1_5240

11AC20SISO_Ant1_5745

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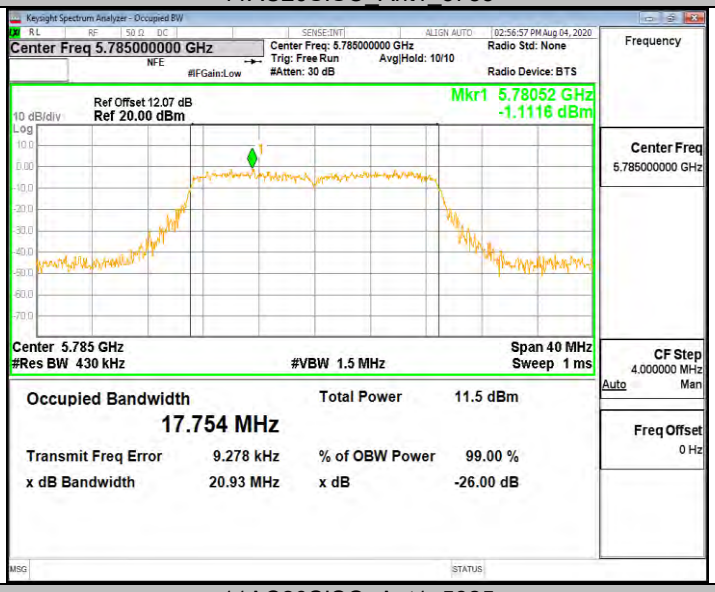
11AC20SISO_Ant1_5785

11AC20SISO_Ant1_5825

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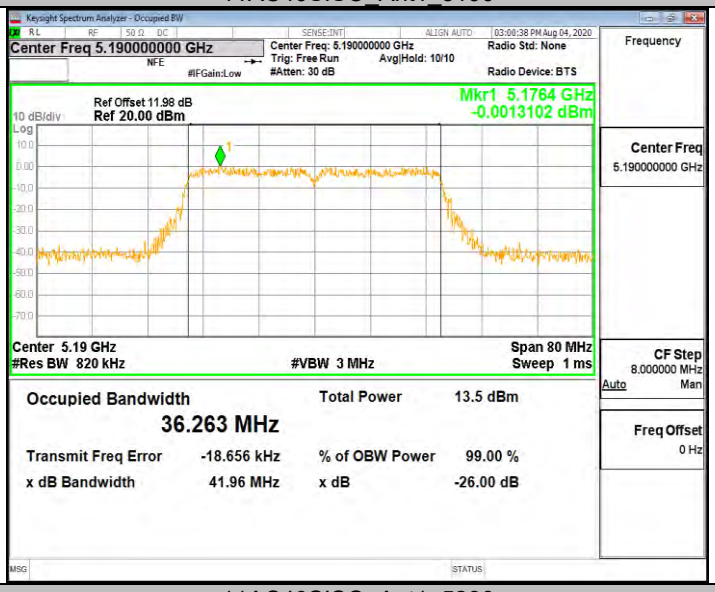
11AC40SISO_Ant1_5190

11AC40SISO_Ant1_5230

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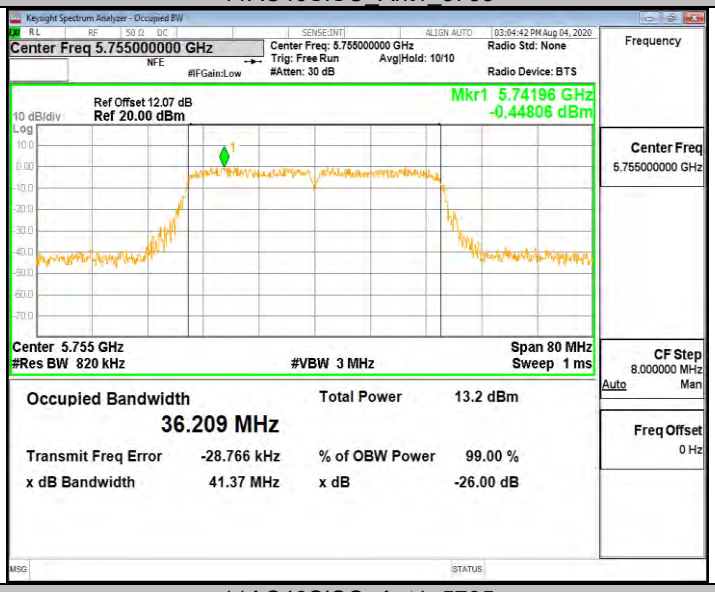
11AC40SISO_Ant1_5755


11AC40SISO_Ant1_5795

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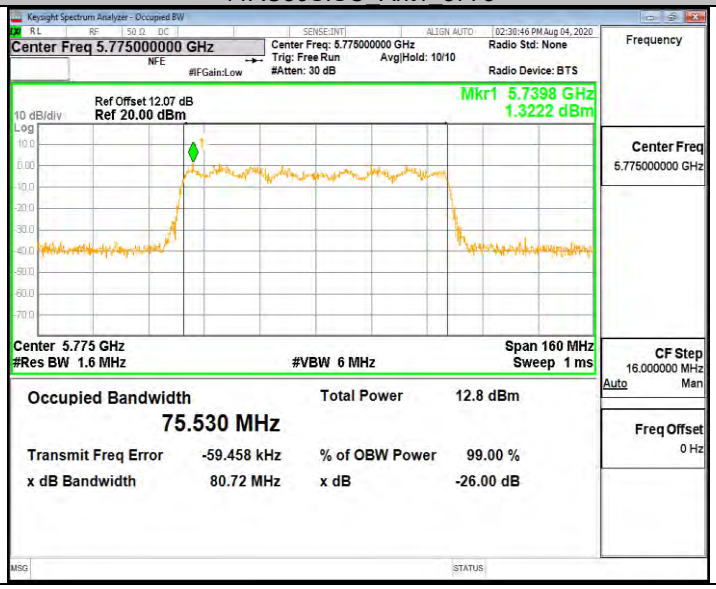
11AC80SISO_Ant1_5210
11AC80SISO_Ant1_5775


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Appendix A3: 6dB Emission bandwidth

Test Result

Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A20	Ant1	5745	16.400	5736.760	5753.160	0.5	PASS
		5785	16.600	5776.680	5793.280	0.5	PASS
		5825	16.080	5816.800	5832.880	0.5	PASS
11N20SISO	Ant1	5745	17.680	5736.160	5753.840	0.5	PASS
		5785	17.560	5776.280	5793.840	0.5	PASS
		5825	16.040	5816.800	5832.840	0.5	PASS
11N40SISO	Ant1	5755	36.480	5736.760	5773.240	0.5	PASS
		5795	35.840	5777.000	5812.840	0.5	PASS
11AC20SISO	Ant1	5745	17.640	5736.200	5753.840	0.5	PASS
		5785	17.640	5776.200	5793.840	0.5	PASS
		5825	17.720	5816.160	5833.880	0.5	PASS
11AC40SISO	Ant1	5755	36.480	5736.760	5773.240	0.5	PASS
		5795	34.800	5777.800	5812.600	0.5	PASS
11AC80SISO	Ant1	5775	72.800	5738.200	5811.000	0.5	PASS

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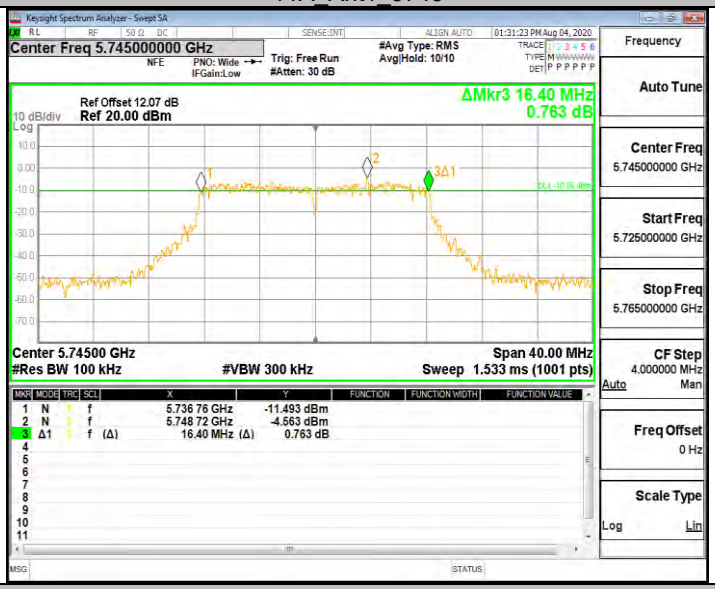
Test Graphs

11A_Ant1_5745



11A_Ant1_5785

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11A_Ant1_5825
11N20SISO_Ant1_5745

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11N20SISO_Ant1_5785
11N20SISO_Ant1_5825

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11N40SISO_Ant1_5755

11N40SISO_Ant1_5795

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11AC20SISO_Ant1_5745
11AC20SISO_Ant1_5785

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11AC20SISO_Ant1_5825
11AC40SISO_Ant1_5755

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11AC40SISO_Ant1_5795
11AC80SISO_Ant1_5775

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Appendix B: Maximum conducted average output power

Test Result

Test Mode	Antenna	Channel	Power [dBm]	Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A20	Ant1	5180	9.12	<=23.98	14.12	<=22.23	PASS
		5200	9.13	<=23.98	14.13	<=22.22	PASS
		5240	9.85	<=23.98	14.85	<=22.22	PASS
		5745	8.70	<=30	---	<=---	PASS
		5785	8.17	<=30	---	<=---	PASS
		5825	7.93	<=30	---	<=---	PASS
11N20SISO	Ant1	5180	8.60	<=23.98	13.60	<=22.50	PASS
		5200	8.47	<=23.98	13.47	<=22.47	PASS
		5240	9.28	<=23.98	14.28	<=22.50	PASS
		5745	8.25	<=30	---	<=---	PASS
		5785	7.52	<=30	---	<=---	PASS
		5825	7.35	<=30	---	<=---	PASS
11N40SISO	Ant1	5190	8.76	<=23.98	13.76	<=23	PASS
		5230	9.54	<=23.98	14.54	<=23	PASS
		5755	8.28	<=30	---	<=---	PASS
		5795	7.55	<=30	---	<=---	PASS
11AC20SISO	Ant1	5180	8.03	<=23.98	13.03	<=22.50	PASS
		5200	7.69	<=23.98	12.69	<=22.49	PASS
		5240	8.79	<=23.98	13.79	<=22.49	PASS
		5745	7.64	<=30	---	<=---	PASS
		5785	7.10	<=30	---	<=---	PASS
		5825	7.20	<=30	---	<=---	PASS
11AC40SISO	Ant1	5190	8.06	<=23.98	13.06	<=23	PASS
		5230	9.51	<=23.98	14.51	<=23	PASS
		5755	8.22	<=30	---	<=---	PASS
		5795	7.36	<=30	---	<=---	PASS
11AC80SISO	Ant1	5210	7.55	<=23.98	12.55	<=23	PASS
		5775	7.46	<=30	---	<=---	PASS

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

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Appendix C: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A20	Ant1	5180	-1.65	<=11	3.35	<=10	PASS
		5200	-1.78	<=11	3.22	<=10	PASS
		5240	-0.87	<=11	4.13	<=10	PASS
		5745	-5.29	<=30	---	<=---	PASS
		5785	-5.61	<=30	---	<=---	PASS
		5825	-5.56	<=30	---	<=---	PASS
11N20SISO	Ant1	5180	-2.69	<=11	2.31	<=10	PASS
		5200	-2.3	<=11	2.70	<=10	PASS
		5240	-2.02	<=11	2.98	<=10	PASS
		5745	-6.09	<=30	---	<=---	PASS
		5785	-6.39	<=30	---	<=---	PASS
		5825	-6.52	<=30	---	<=---	PASS
11N40SISO	Ant1	5190	-5.24	<=11	-0.24	<=10	PASS
		5230	-4.37	<=11	0.63	<=10	PASS
		5755	-8.87	<=30	---	<=---	PASS
		5795	-9.06	<=30	---	<=---	PASS
11AC80SISO	Ant1	5210	-8.05	<=11	-3.05	<=10	PASS
		5775	-11.9	<=30	---	<=---	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.

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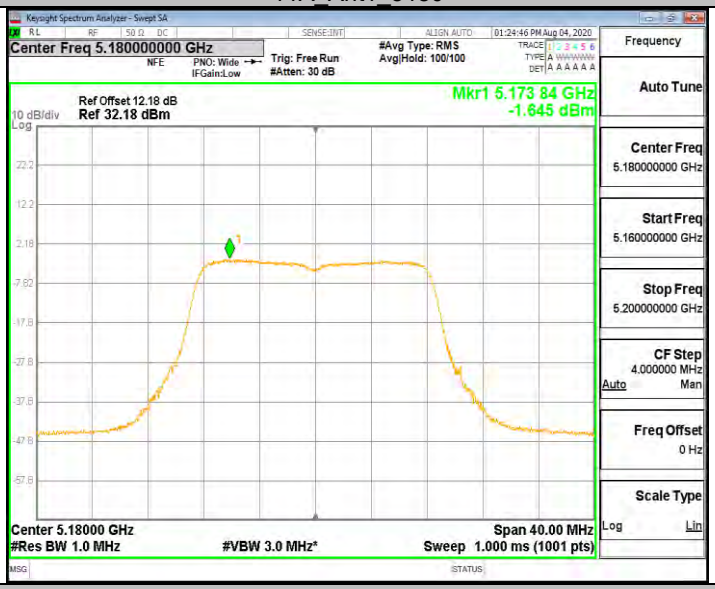
Test Graphs

11A_Ant1_5180



11A_Ant1_5200

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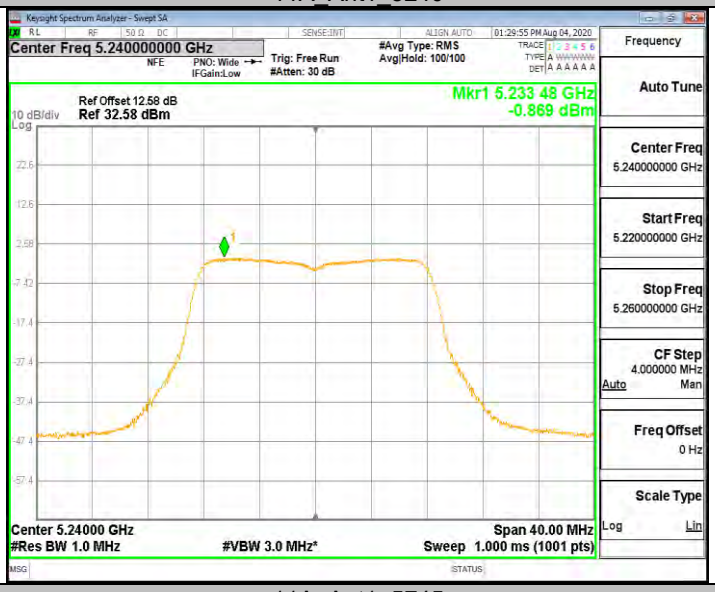
11A_Ant1_5240


11A_Ant1_5745

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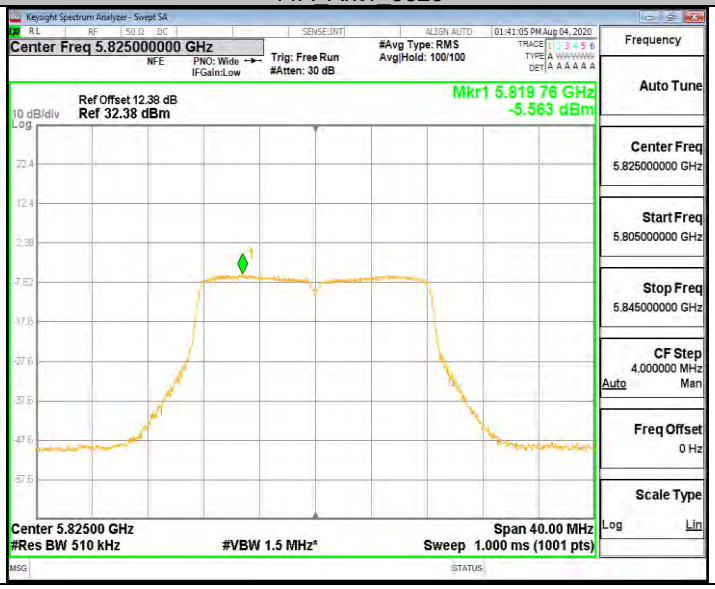
11A_Ant1_5785
11A_Ant1_5825


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11N20SISO_Ant1_5180
11N20SISO_Ant1_5200

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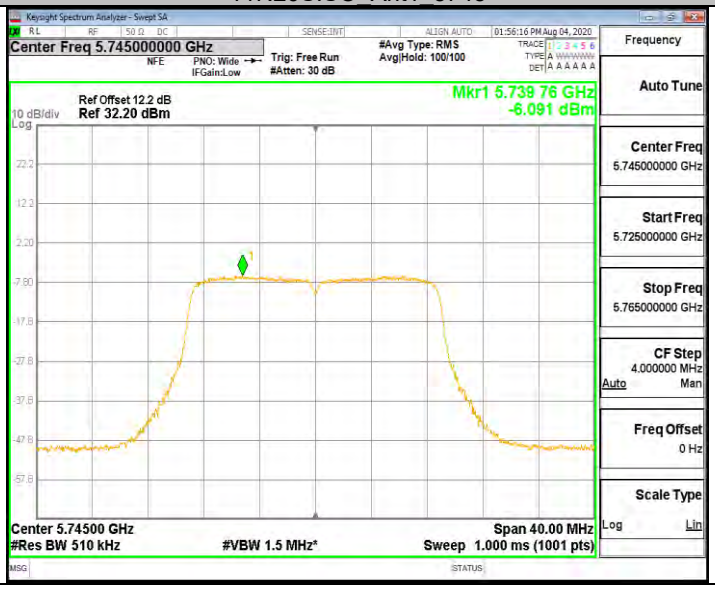
11N20SISO_Ant1_5745


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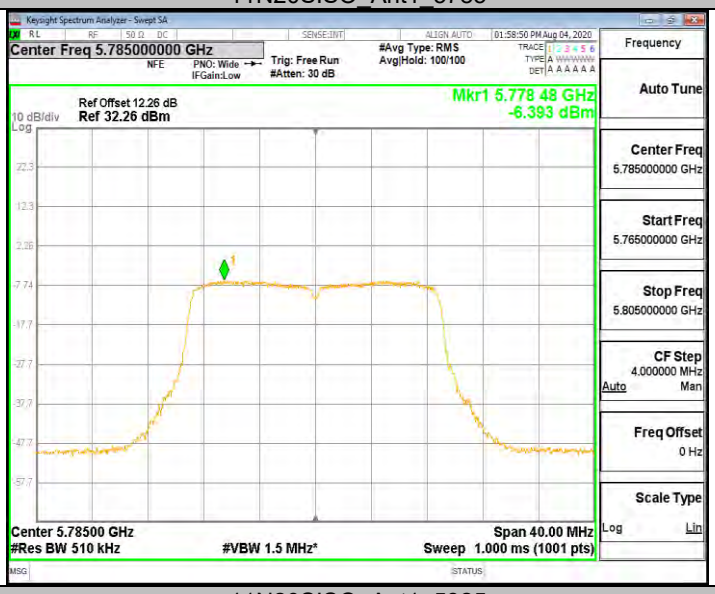
11N20SISO_Ant1_5785

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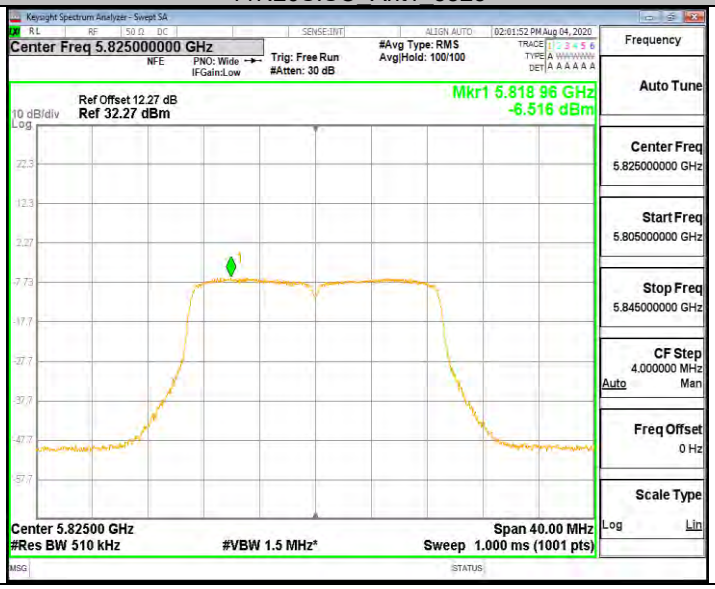

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11N40SISO_Ant1_5190
11N40SISO_Ant1_5230

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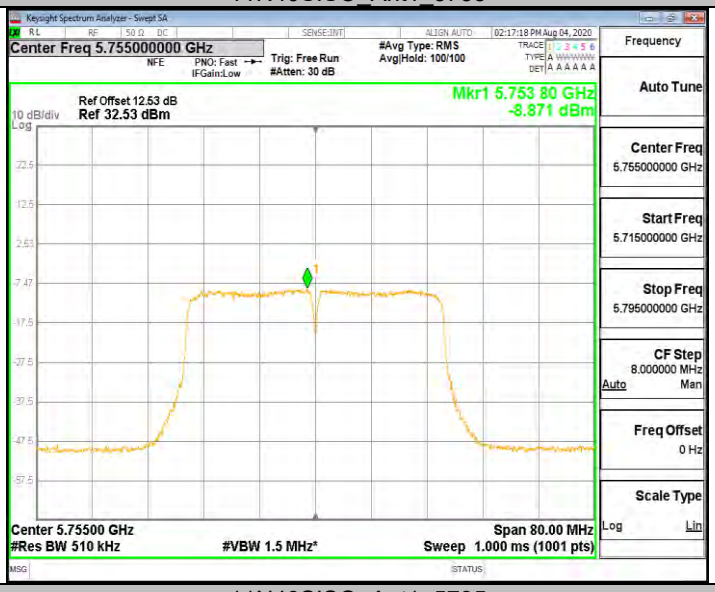
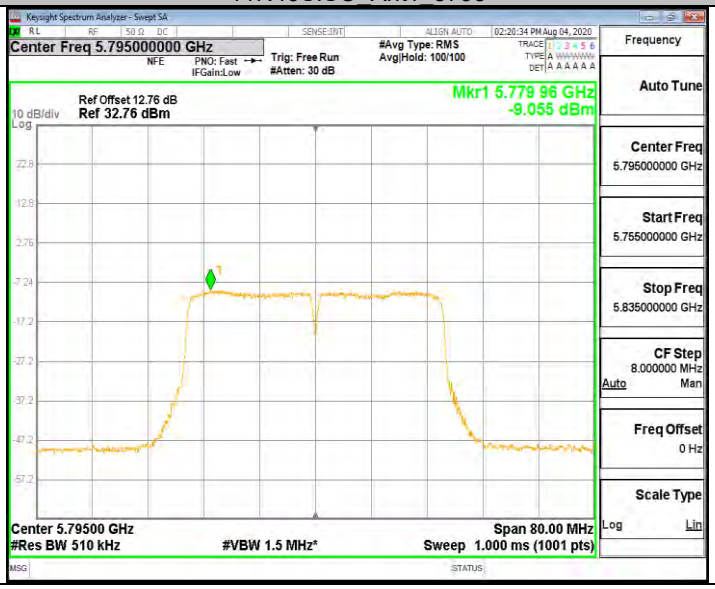
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



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11AC80SISO_Ant1_5210
11AC80SISO_Ant1_5775

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Appendix D: Duty Cycle
Test Result

Mode	ON Time (ms)	Period (ms)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (KHz)	Final setting For VBW (kHz)
802.11a 20	2.060	2.200	0.9364	93.64	0.29	0.49	1
802.11n HT20	1.920	2.035	0.9435	94.35	0.25	0.52	1
802.11n HT40	0.945	1.092	0.8654	86.54	0.63	1.06	2
802.11ac VHT80	0.460	0.615	0.7480	74.80	1.26	2.17	3

Note:
Duty Cycle Correction Factor=10log (1/x).
Where: x is Duty Cycle (Linear)
Where: T is On Time
If that calculated VBW is not available on the analyzer then the next higher value should be used.

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Test Graphs

11A_Ant1_5180
11N20SISO_Ant1_5180

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11N40SISO_Ant1_5190
11AC80SISO_Ant1_5210

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