

FCC Appendix RF Test Data

FCC ID : 2A35W-H96MAXH618

Company: : Shenzhen Haochuangyi Technology Co.,Ltd.

EUT : H96 Max H618

Model Number : H96 Max H618 MPlus

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	21.840	5170.480	5192.320	---	---
		5220	24.520	5207.560	5232.080	---	---
		5240	23.640	5228.200	5251.840	---	---
		5745	27.960	5731.200	5759.160	---	---
		5785	29.080	5771.600	5800.680	---	---
		5825	28.600	5812.640	5841.240	---	---
11N20SISO	Ant1	5180	28.840	5164.840	5193.680	---	---
		5220	26.000	5207.880	5233.880	---	---
		5240	24.960	5227.840	5252.800	---	---
		5745	26.200	5731.280	5757.480	---	---
		5785	27.120	5770.440	5797.560	---	---
		5825	24.800	5812.880	5837.680	---	---
11N40SISO	Ant1	5190	45.200	5168.800	5214.000	---	---
		5230	43.680	5208.880	5252.560	---	---
		5755	51.280	5725.720	5777.000	---	---
		5795	49.680	5767.800	5817.480	---	---
11AC20SISO	Ant1	5180	22.320	5168.120	5190.440	---	---
		5220	20.520	5210.040	5230.560	---	---
		5240	25.840	5226.720	5252.560	---	---
		5745	24.640	5731.600	5756.240	---	---
		5785	24.600	5772.280	5796.880	---	---
		5825	19.880	5815.280	5835.160	---	---
11AC40SISO	Ant1	5190	46.560	5170.240	5216.800	---	---
		5230	48.240	5208.560	5256.800	---	---
		5755	53.440	5729.320	5782.760	---	---
		5795	45.200	5771.720	5816.920	---	---
11AX20SISO	Ant1	5180	22.840	5168.800	5191.640	---	---
		5220	22.440	5209.600	5232.040	---	---
		5240	20.960	5228.880	5249.840	---	---
		5745	24.480	5732.240	5756.720	---	---
		5785	24.760	5772.480	5797.240	---	---
		5825	29.080	5812.080	5841.160	---	---
11AX40SISO	Ant1	5190	47.440	5169.440	5216.880	---	---
		5230	45.920	5210.080	5256.000	---	---
		5755	48.400	5729.400	5777.800	---	---
		5795	51.760	5769.160	5820.920	---	---

11A_Ant1_5180

Agilent Spectrum Analyzer - Sweep SA

Center Freq 5.180000000 GHz

Ref Offset 4.8 dB
Ref 20.00 dBm

Trig: Free Run
#Atn: 30 dB

#Avg Type: RMS
Avg/Hold: 100/100

Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

ΔMkr3 21.84 MHz
2.016 dB

MKR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.170 48 GHz	-25.925 dBm			
2	N	1	f	5.187 52 GHz	2.444 dBm			
3	Δ	1	f (Δ)	21.84 MHz (Δ)	2.016 dB			

11A_Ant1_5220

Agilent Spectrum Analyzer - Sweep SA

Center Freq 5.220000000 GHz

Ref Offset 4.8 dB
Ref 20.00 dBm

Trig: Free Run
#Atn: 30 dB

#Avg Type: RMS
Avg/Hold: 100/100

Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

ΔMkr3 24.52 MHz
-1.482 dB

MKR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.207 56 GHz	-23.947 dBm			
2	N	1	f	5.212 52 GHz	2.127 dBm			
3	Δ	1	f (Δ)	24.52 MHz (Δ)	-1.482 dB			



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



11AX20SISO_Ant1_5180



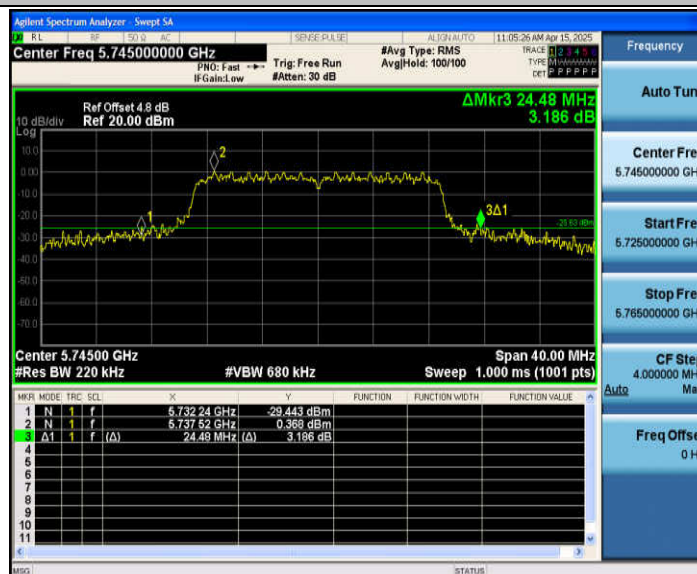
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11AX20SISO_Ant1_5240



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

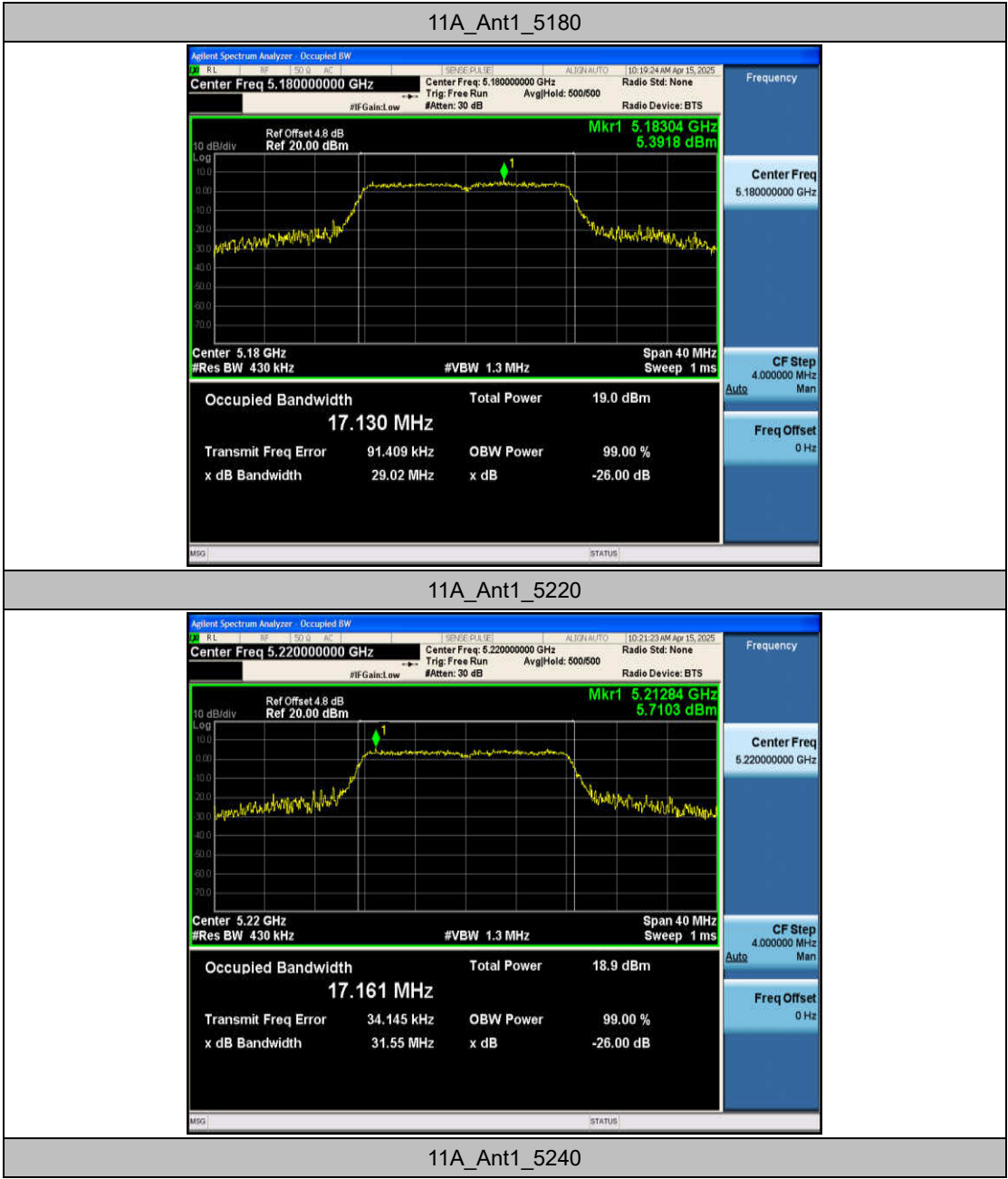


Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.130	5171.5264	5188.6564	---	---
		5220	17.161	5211.4536	5228.6146	---	---
		5240	17.134	5231.4548	5248.5888	---	---
		5745	17.369	5736.2460	5753.6150	---	---
		5785	17.178	5776.4115	5793.5895	---	---
		5825	17.127	5816.4393	5833.5663	---	---
11N20SISO	Ant1	5180	18.179	5171.0007	5189.1797	---	---
		5220	18.113	5211.0161	5229.1291	---	---
		5240	18.196	5230.9525	5249.1485	---	---
		5745	18.186	5735.8954	5754.0814	---	---
		5785	18.130	5775.9808	5794.1108	---	---
		5825	18.072	5816.0040	5834.0760	---	---
11N40SISO	Ant1	5190	36.799	5171.7918	5208.5908	---	---
		5230	36.758	5211.7349	5248.4929	---	---
		5755	36.604	5736.6547	5773.2587	---	---
		5795	36.552	5776.7881	5813.3401	---	---
11AC20SISO	Ant1	5180	17.859	5171.1152	5188.9742	---	---
		5220	17.912	5211.0770	5228.9890	---	---
		5240	17.927	5231.0688	5248.9958	---	---
		5745	17.977	5735.9827	5753.9597	---	---
		5785	17.891	5776.0547	5793.9457	---	---
		5825	17.857	5816.1125	5833.9695	---	---
11AC40SISO	Ant1	5190	36.741	5171.8040	5208.5450	---	---
		5230	36.687	5211.7375	5248.4245	---	---
		5755	36.518	5736.7408	5773.2588	---	---
		5795	36.445	5776.8346	5813.2796	---	---
11AX20SISO	Ant1	5180	17.899	5171.1109	5189.0099	---	---
		5220	17.891	5211.1100	5229.0010	---	---
		5240	17.857	5231.1017	5248.9587	---	---
		5745	18.011	5735.9665	5753.9775	---	---
		5785	17.926	5776.0420	5793.9680	---	---
		5825	17.916	5816.0640	5833.9800	---	---
11AX40SISO	Ant1	5190	36.676	5171.8579	5208.5339	---	---
		5230	36.744	5211.6869	5248.4309	---	---
		5755	36.489	5736.7529	5773.2419	---	---
		5795	36.357	5776.8860	5813.2430	---	---

Test Graphs

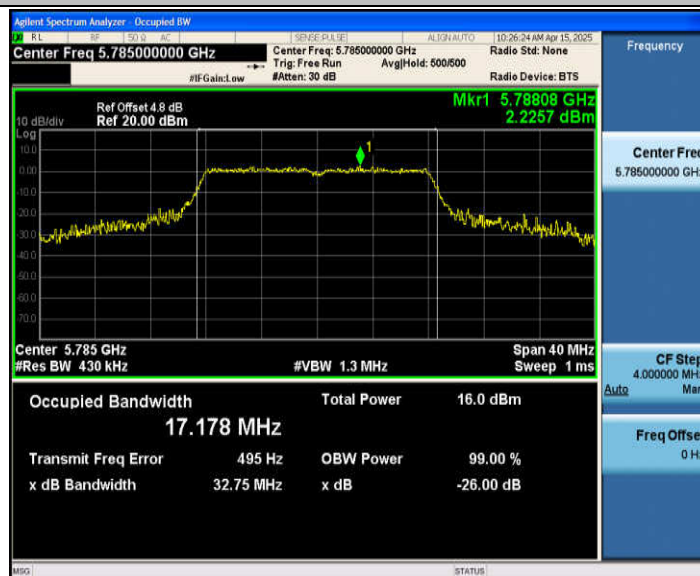




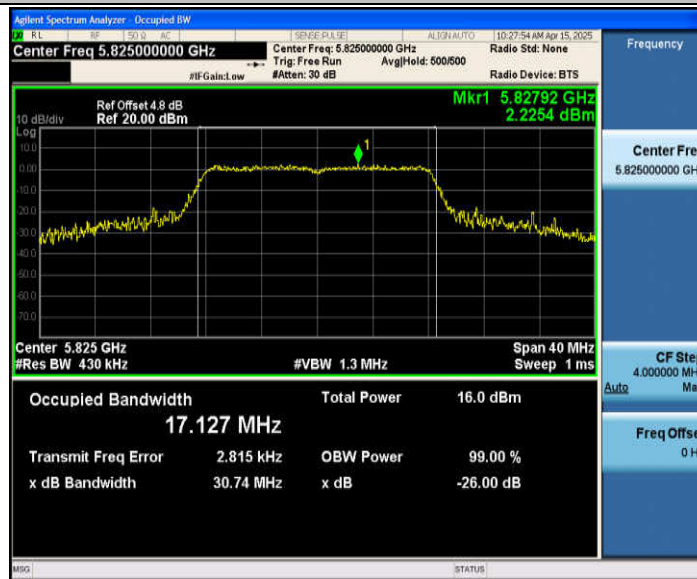
11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



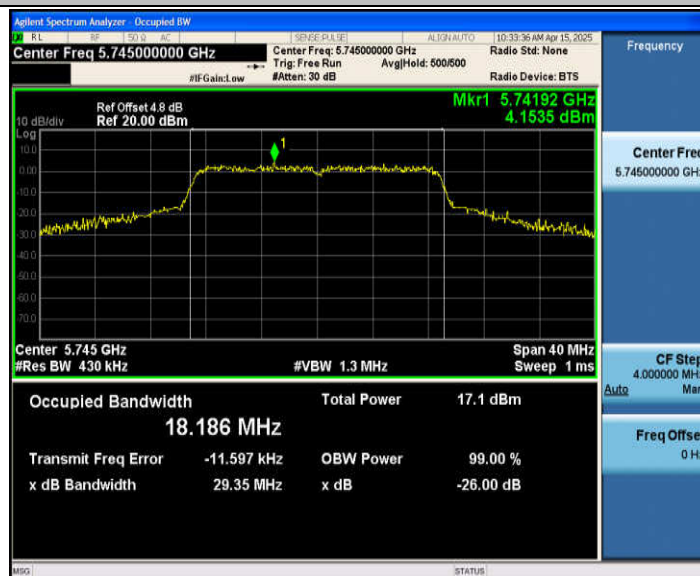
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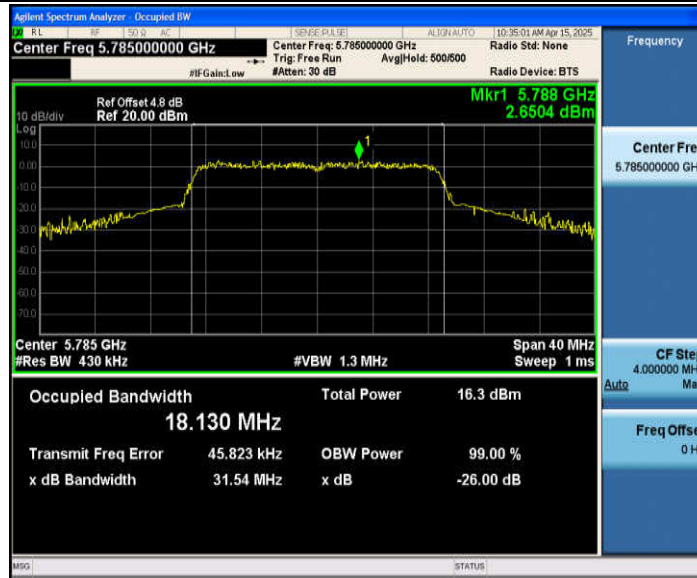
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11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



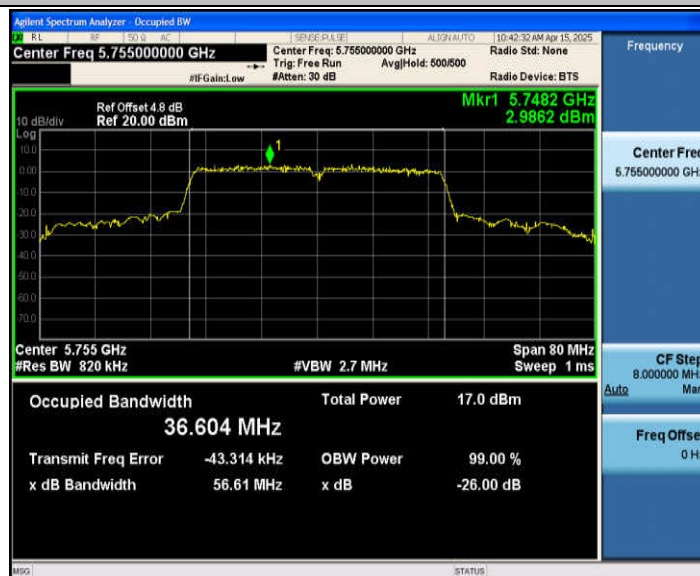
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11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



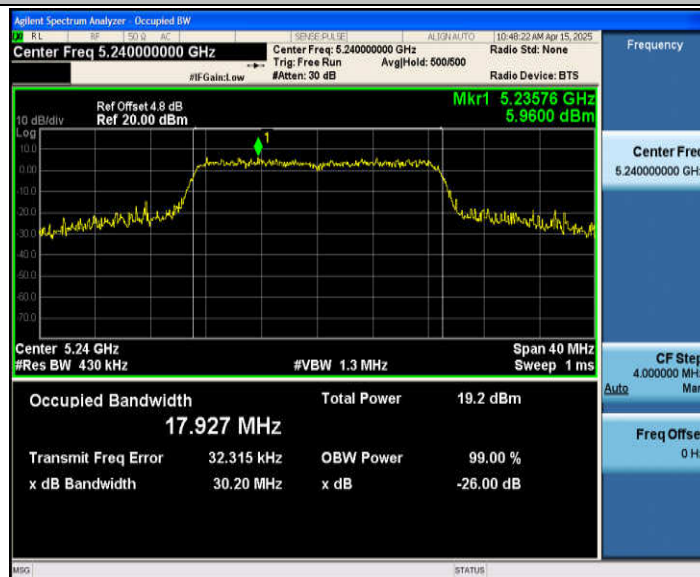
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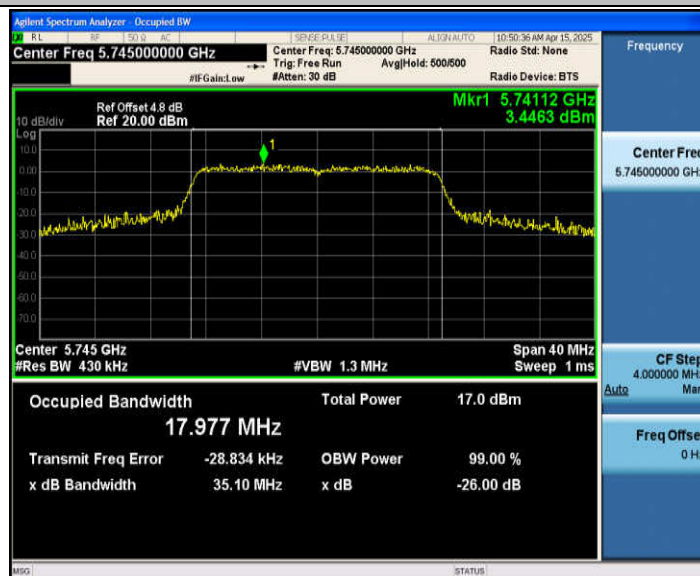
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11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745

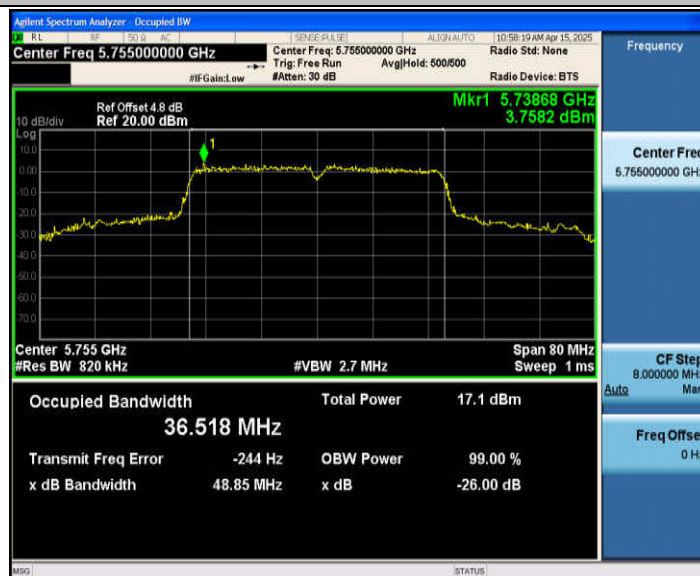




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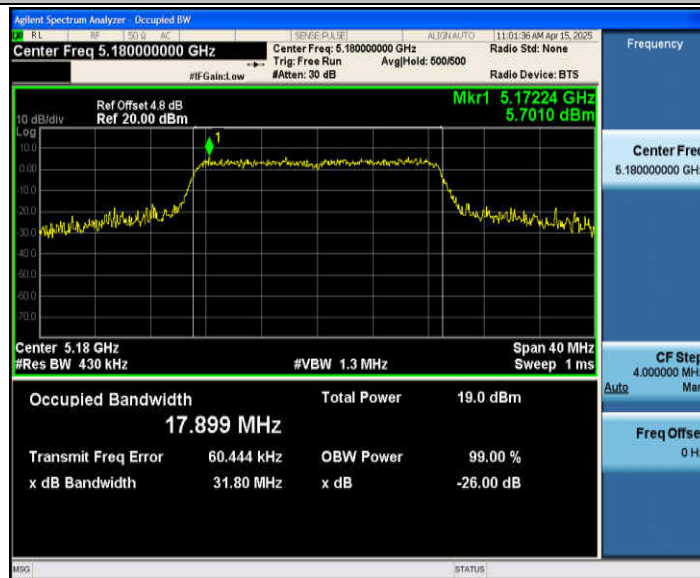
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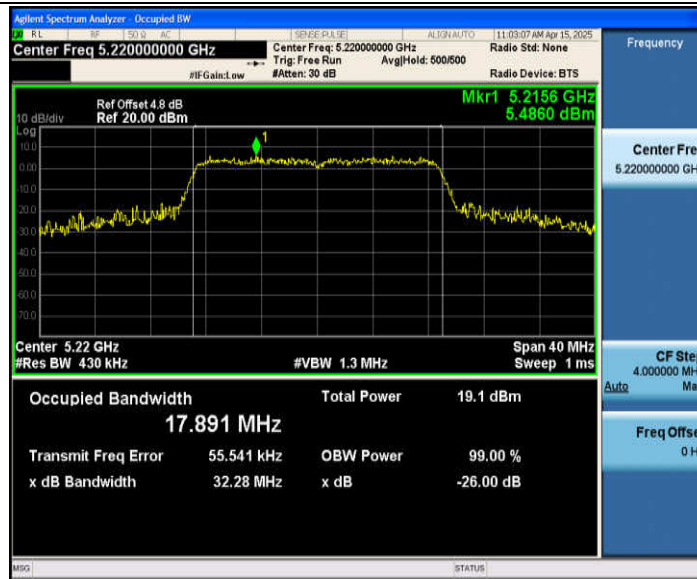
11AC40SISO_Ant1_5795



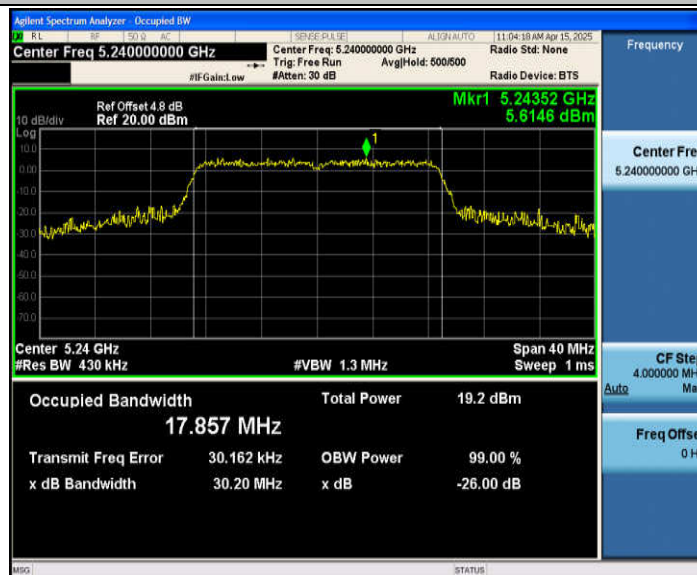
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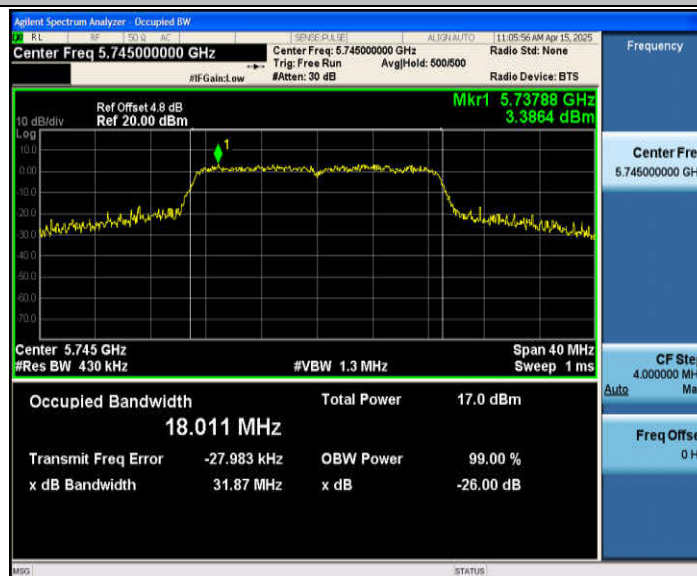
11AX20SISO_Ant1_5220



11AX20SISO_Ant1_5240



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



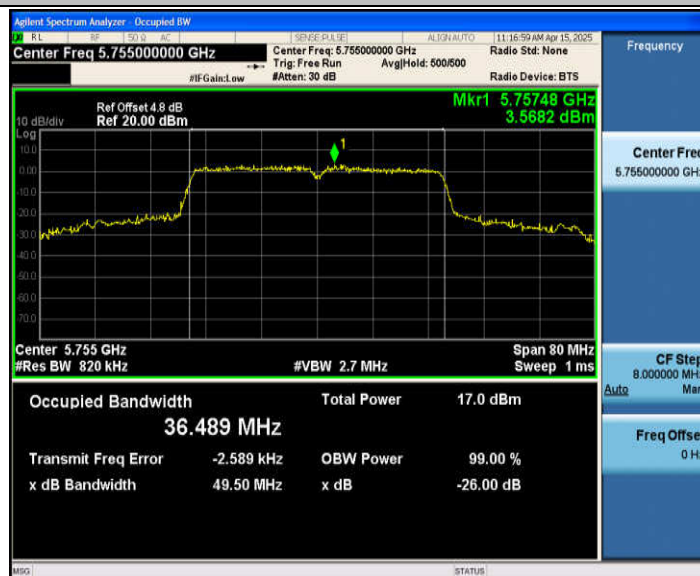
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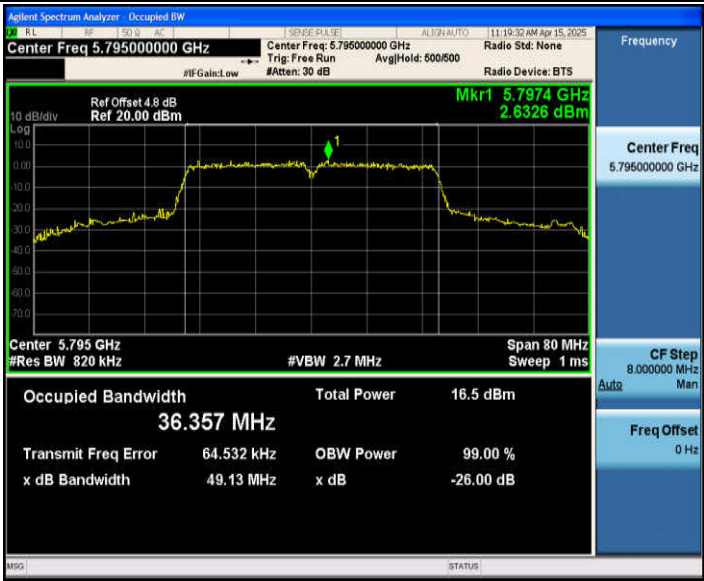
11AX40SISO_Ant1_5230



11AX40SISO_Ant1_5755



11AX40SISO_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	16.320	5736.840	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.000	5736.360	5753.360	0.5	PASS
		5785	16.960	5776.360	5793.320	0.5	PASS
		5825	16.960	5816.640	5833.600	0.5	PASS
11N40SISO	Ant1	5755	35.280	5737.320	5772.600	0.5	PASS
		5795	35.520	5777.080	5812.600	0.5	PASS
11AC20SISO	Ant1	5745	16.520	5736.640	5753.160	0.5	PASS
		5785	17.160	5776.400	5793.560	0.5	PASS
		5825	17.000	5816.640	5833.640	0.5	PASS
11AC40SISO	Ant1	5755	35.280	5737.320	5772.600	0.5	PASS
		5795	35.680	5777.080	5812.760	0.5	PASS
11AX20SISO	Ant1	5745	16.840	5736.480	5753.320	0.5	PASS
		5785	16.960	5776.640	5793.600	0.5	PASS
		5825	17.000	5816.400	5833.400	0.5	PASS
11AX40SISO	Ant1	5755	35.360	5737.240	5772.600	0.5	PASS
		5795	35.520	5777.400	5812.920	0.5	PASS

Test Graphs B4

11A_Ant1_5745



11A_Ant1_5785



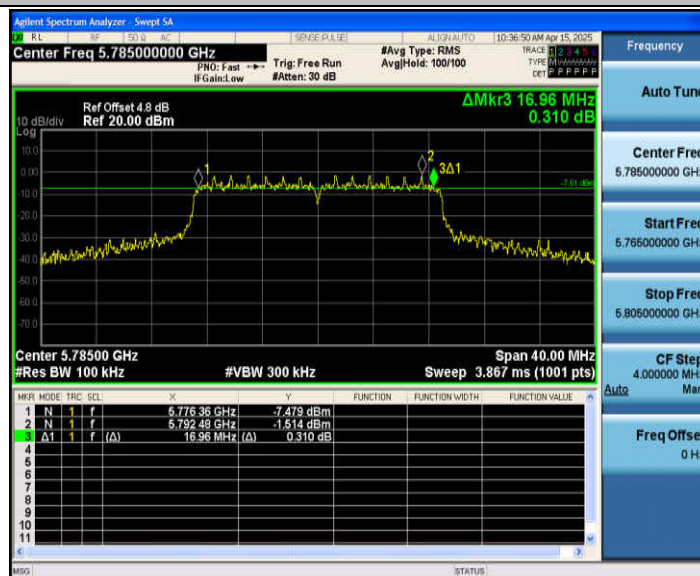
11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



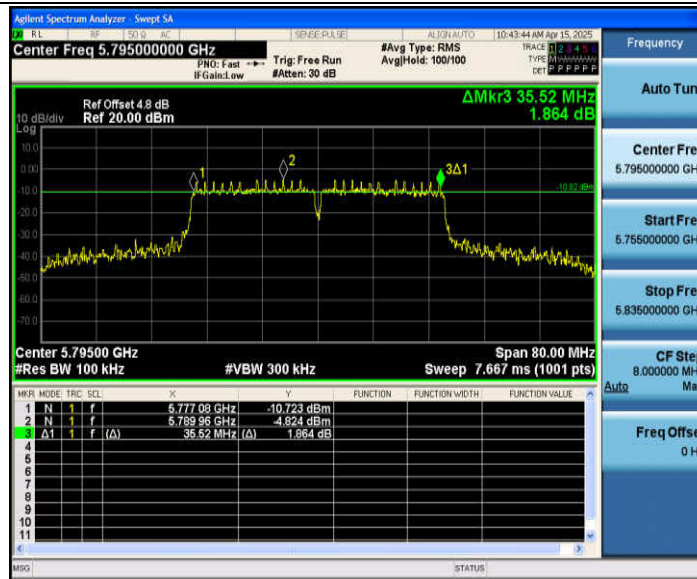
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11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



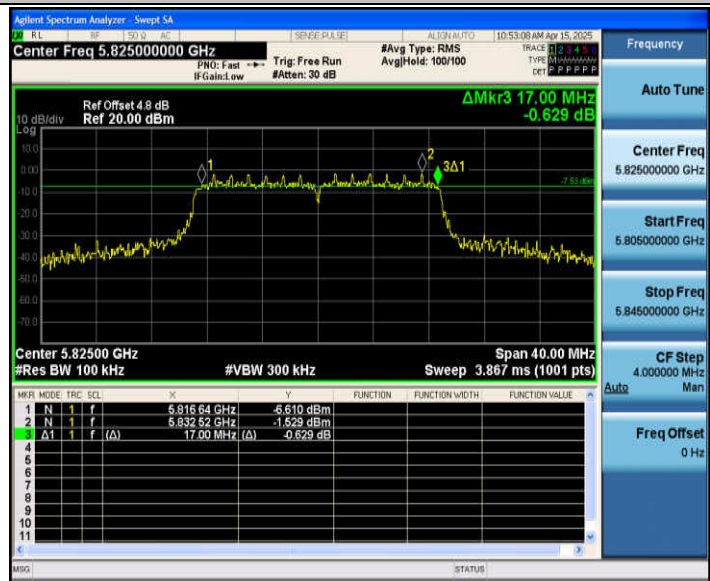
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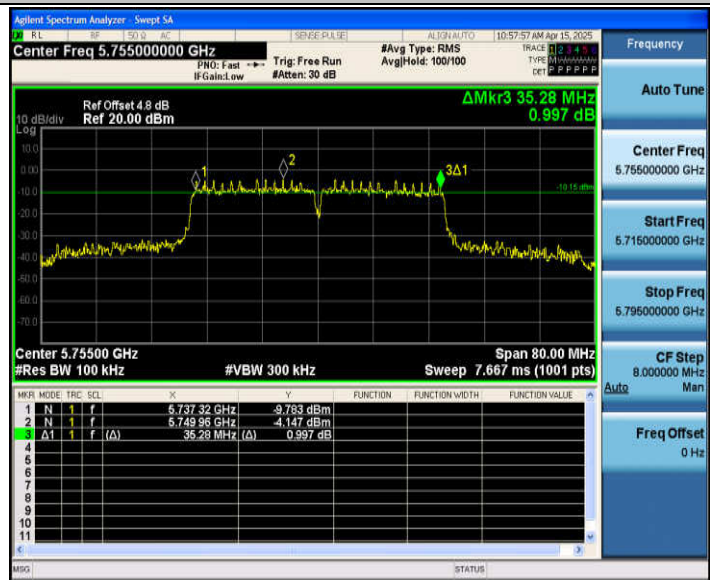
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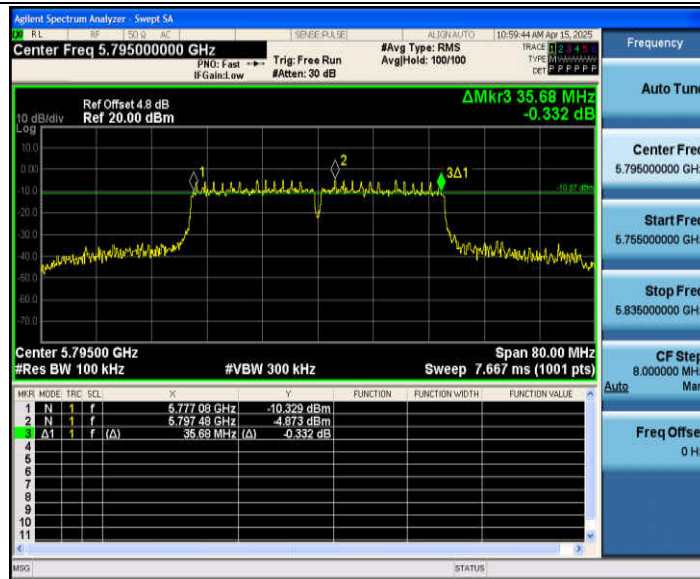
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11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



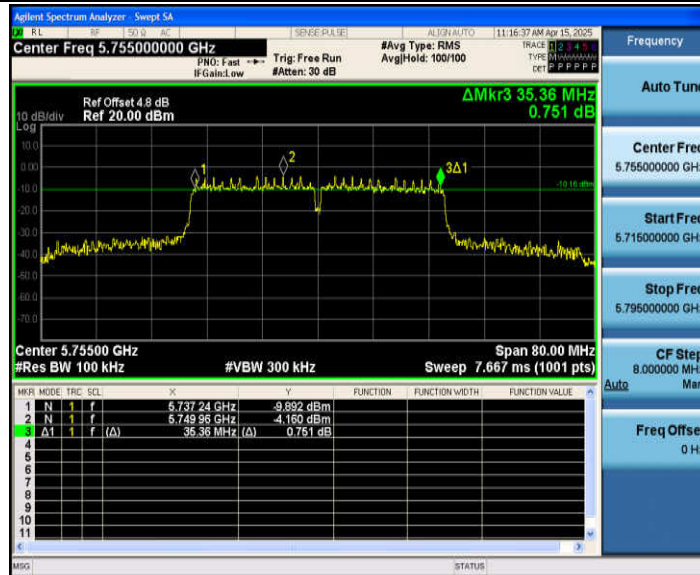
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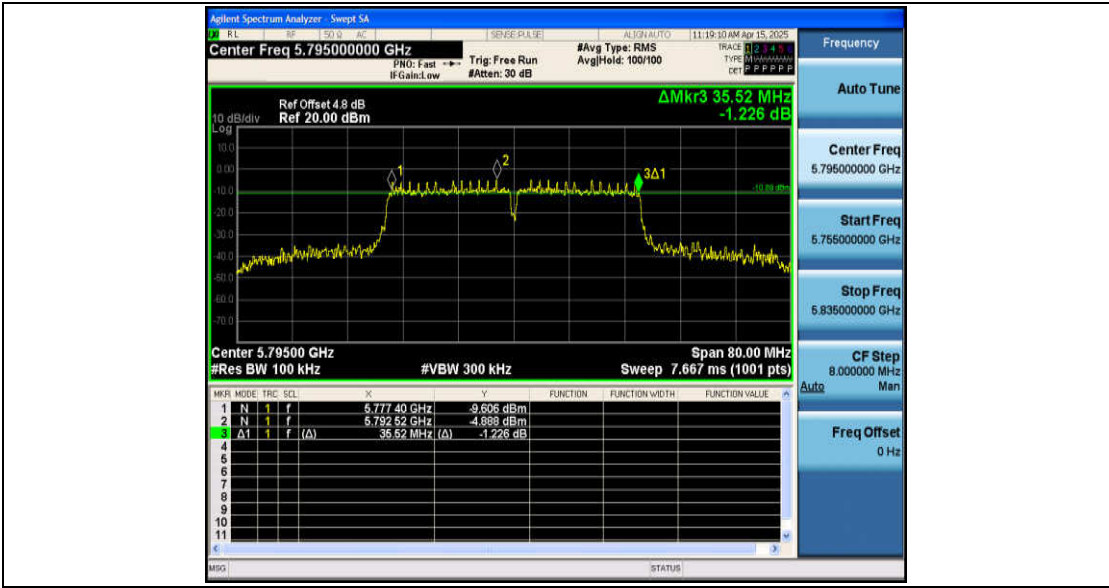
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



Appendix B: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty factor(dB)	Limit	Verdict
11A	Ant1	5180	0.11	0.30	36.67	4.36	---	---
		5220	0.12	0.29	41.38	3.83	---	---
		5240	0.11	0.30	36.67	4.36	---	---
		5745	0.11	0.28	39.29	4.06	---	---
		5785	0.11	0.31	35.48	4.50	---	---
		5825	0.12	0.33	36.36	4.39	---	---
11N20SISO	Ant1	5180	0.11	0.32	34.38	4.64	---	---
		5220	0.11	0.30	36.67	4.36	---	---
		5240	0.11	0.29	37.93	4.21	---	---
		5745	0.11	0.31	35.48	4.50	---	---
		5785	0.11	0.27	40.74	3.90	---	---
		5825	0.11	0.32	34.38	4.64	---	---
11N40SISO	Ant1	5190	0.07	0.24	29.17	5.35	---	---
		5230	0.07	0.25	28.00	5.53	---	---
		5755	0.07	0.24	29.17	5.35	---	---
		5795	0.08	0.26	30.77	5.12	---	---
11AC20SISO	Ant1	5180	0.12	0.31	38.71	4.12	---	---
		5220	0.12	0.29	41.38	3.83	---	---
		5240	0.12	0.29	41.38	3.83	---	---
		5745	0.12	0.24	50.00	3.01	---	---
		5785	0.12	0.29	41.38	3.83	---	---
		5825	0.12	0.29	41.38	3.83	---	---
11AC40SISO	Ant1	5190	0.08	0.22	36.36	4.39	---	---
		5230	0.08	0.25	32.00	4.95	---	---
		5755	0.08	0.25	32.00	4.95	---	---
		5795	0.08	0.25	32.00	4.95	---	---
11AX20SISO	Ant1	5180	0.11	0.30	36.67	4.36	---	---
		5220	0.12	0.34	35.29	4.52	---	---
		5240	0.12	0.29	41.38	3.83	---	---
		5745	0.12	0.28	42.86	3.68	---	---
		5785	0.12	0.30	40.00	3.98	---	---
		5825	0.11	0.29	37.93	4.21	---	---
11AX40SISO	Ant1	5190	0.08	0.30	26.67	5.74	---	---
		5230	0.08	0.26	30.77	5.12	---	---
		5755	0.08	0.26	30.77	5.12	---	---
		5795	0.08	0.30	26.67	5.74	---	---