

FCC Appendix RF Test Data for 5GWIFI

FCC ID : 2A35W-H96MAXV56

Company : Shenzhen Haochuangyi Technology Co.,Ltd.

EUT : H96 Max V56

Model Number : H96 Max V56

Report No. : CTA26061100204

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	22.640	5168.600	5191.240	---	---
		5220	23.320	5208.400	5231.720	---	---
		5240	23.880	5228.240	5252.120	---	---
		5745	23.760	5732.840	5756.600	---	---
		5785	23.600	5772.880	5796.480	---	---
		5825	23.440	5813.320	5836.760	---	---
11N20SISO	Ant1	5180	23.840	5167.760	5191.600	---	---
		5220	23.280	5208.280	5231.560	---	---
		5240	23.880	5227.960	5251.840	---	---
		5745	25.040	5732.080	5757.120	---	---
		5785	24.800	5772.480	5797.280	---	---
		5825	24.800	5812.280	5837.080	---	---
11N40SISO	Ant1	5190	43.600	5168.000	5211.600	---	---
		5230	43.360	5208.560	5251.920	---	---
		5755	44.640	5733.160	5777.800	---	---
		5795	44.000	5773.800	5817.800	---	---
11AC20SISO	Ant1	5180	22.200	5168.920	5191.120	---	---
		5220	23.320	5208.400	5231.720	---	---
		5240	22.400	5228.520	5250.920	---	---
		5745	23.320	5733.160	5756.480	---	---
		5785	23.520	5773.120	5796.640	---	---
		5825	23.200	5813.320	5836.520	---	---
11AC40SISO	Ant1	5190	42.080	5168.880	5210.960	---	---
		5230	42.960	5208.800	5251.760	---	---
		5755	44.560	5733.240	5777.800	---	---
		5795	44.640	5773.080	5817.720	---	---
11AX20SISO	Ant1	5180	23.760	5168.000	5191.760	---	---
		5220	22.360	5208.920	5231.280	---	---
		5240	23.040	5228.440	5251.480	---	---
		5745	22.880	5733.640	5756.520	---	---
		5785	23.920	5772.640	5796.560	---	---
		5825	23.080	5813.400	5836.480	---	---
11AX40SISO	Ant1	5190	43.040	5168.400	5211.440	---	---
		5230	41.760	5209.040	5250.800	---	---
		5755	44.640	5733.080	5777.720	---	---
		5795	44.000	5773.560	5817.560	---	---

The figure consists of two vertically stacked screenshots of an Agilent Spectrum Analyzer interface, displaying frequency spectra for two different antennas.

Screenshot 1: 11A_Ant1_5180

- Title:** 11A_Ant1_5180
- Center Freq:** 5.180000000 GHz
- Ref Offset:** 0.6 dB, Ref: 20.00 dBm
- Span:** 40.00 MHz
- #Res BW:** 620 kHz
- #VBW:** 2.0 MHz
- Sweep:** 1.000 ms (1001 pts)
- Marker Data:**

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.1800 GHz	-16.829 dBm			
2	N	1	f	5.1830 GHz	10.455 dBm			
3	A1	1	f (Δ)	22.64 MHz (Δ)	0.103 dB			
- Frequency Panel (Right):**
 - Auto Tune
 - Center Freq: 5.180000000 GHz
 - Start Freq: 5.160000000 GHz
 - Stop Freq: 5.200000000 GHz
 - CF Step: 4.000000 MHz
 - Freq Offset: 0 Hz

Screenshot 2: 11A_Ant1_5220

- Title:** 11A_Ant1_5220
- Center Freq:** 5.220000000 GHz
- Ref Offset:** 0.6 dB, Ref: 20.00 dBm
- Span:** 40.00 MHz
- #Res BW:** 620 kHz
- #VBW:** 2.0 MHz
- Sweep:** 1.000 ms (1001 pts)
- Marker Data:**

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.2084 GHz	-17.196 dBm			
2	N	1	f	5.21748 GHz	10.942 dBm			
3	A1	1	f (Δ)	23.32 MHz (Δ)	-1.419 dB			
- Frequency Panel (Right):**
 - Auto Tune
 - Center Freq: 5.220000000 GHz
 - Start Freq: 5.200000000 GHz
 - Stop Freq: 5.240000000 GHz
 - CF Step: 4.000000 MHz
 - Freq Offset: 0 Hz



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



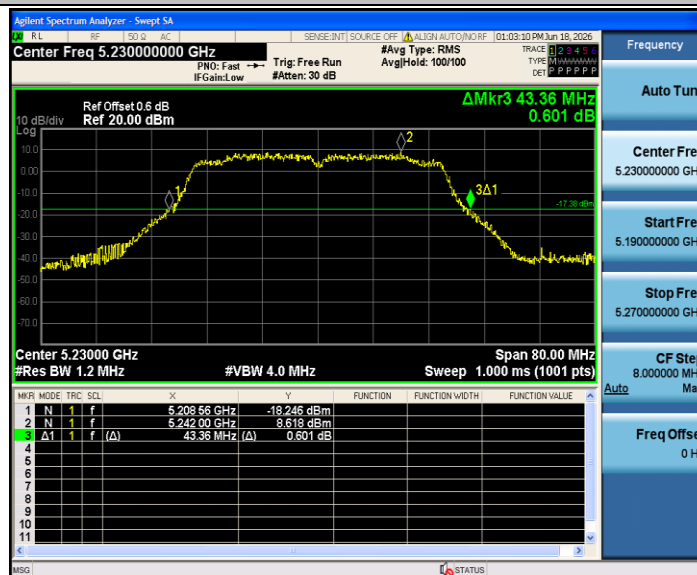
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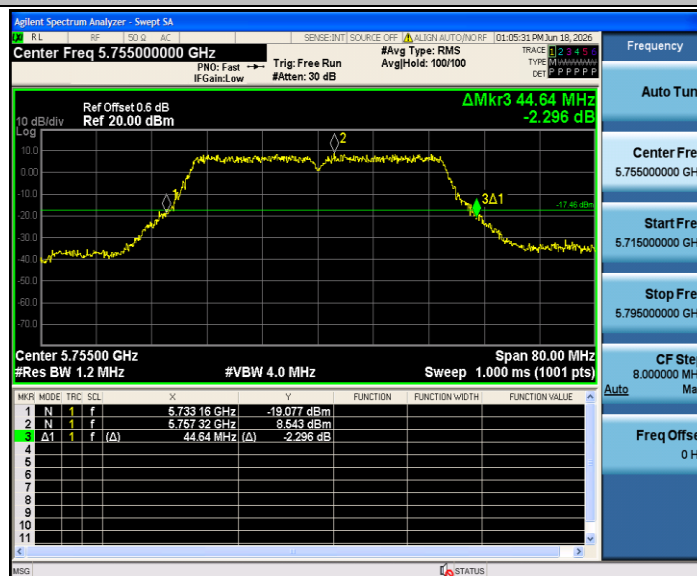
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11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5220



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11AC20SISO_Ant1_5785



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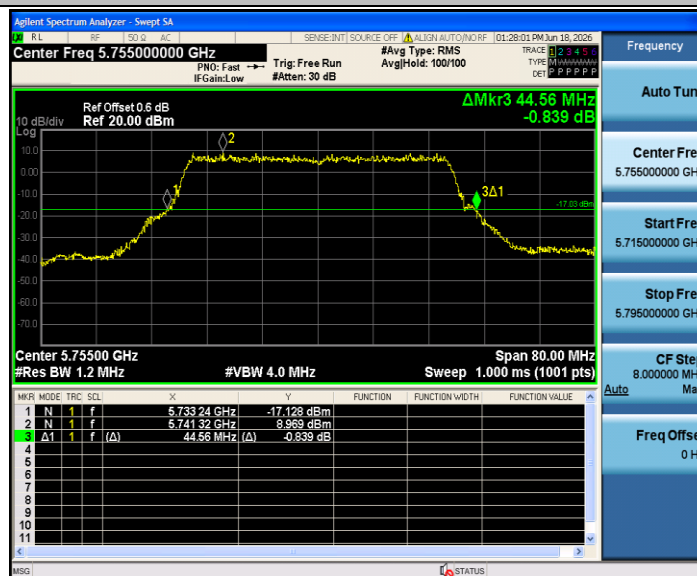
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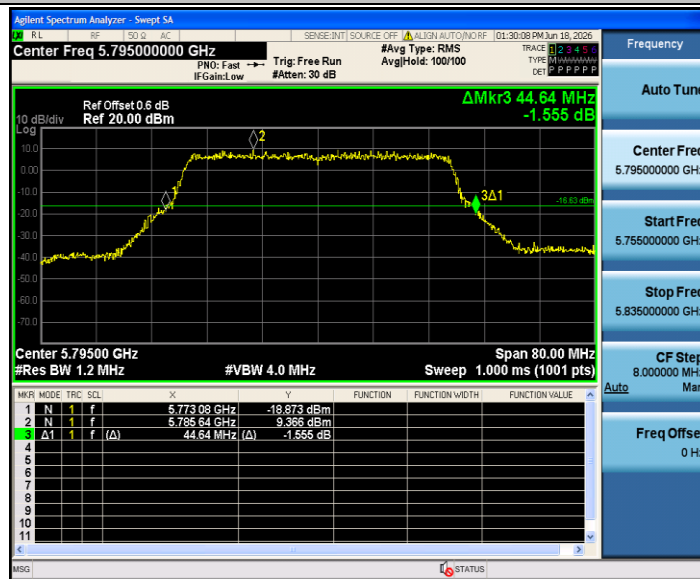
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11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5220



11AX20SISO_Ant1_5240



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



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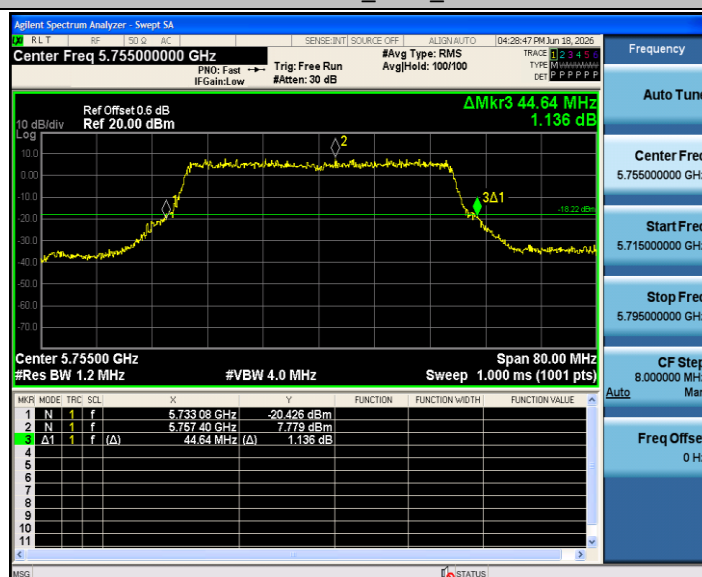
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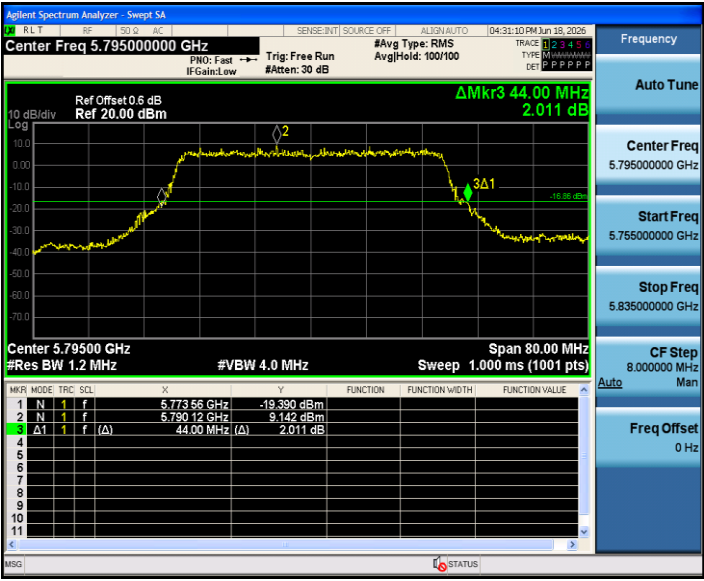
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11AX40ISO_Ant1_5755



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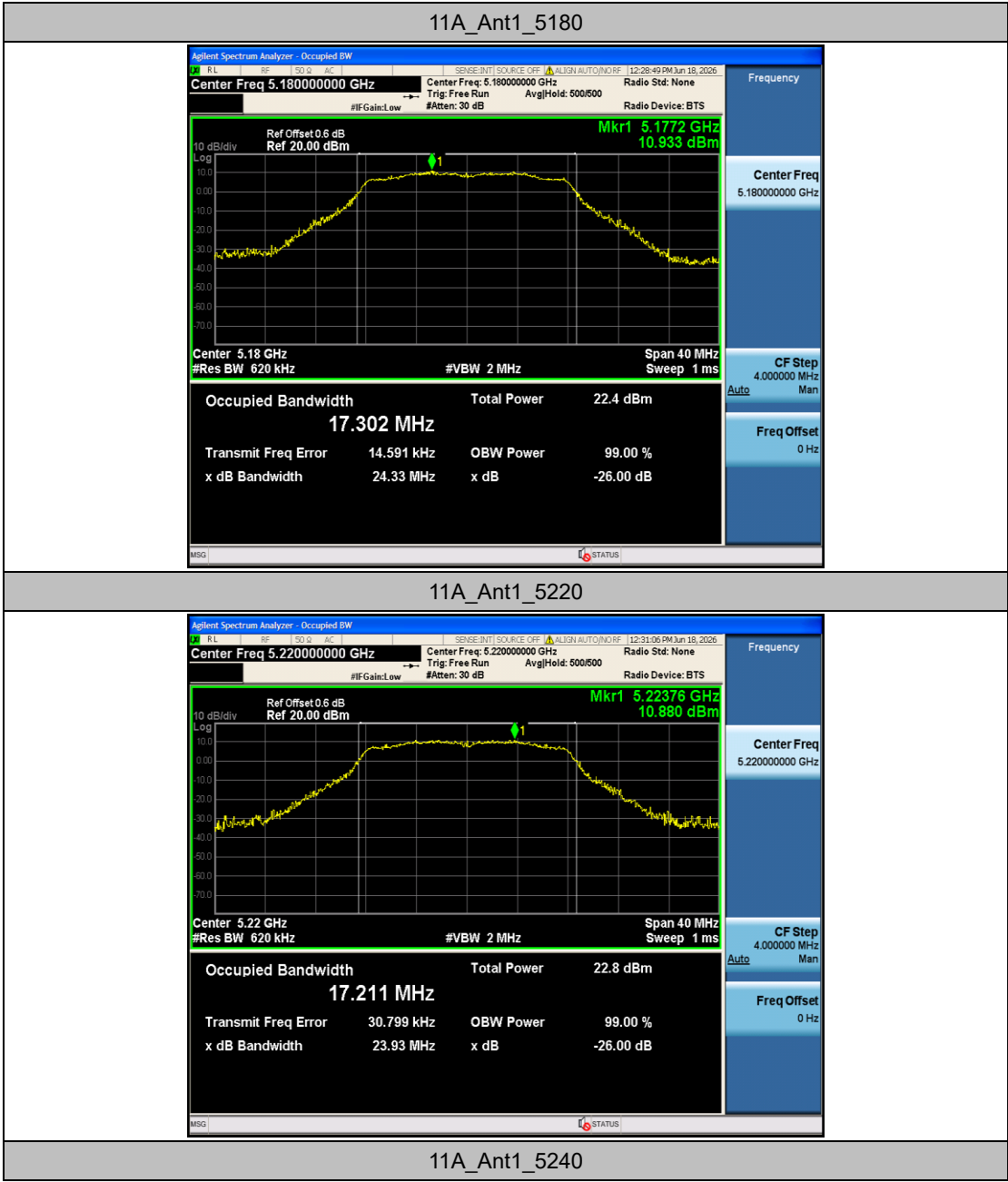


Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.302	5171.3636	5188.6656	---	---
		5220	17.211	5211.4253	5228.6363	---	---
		5240	17.259	5231.3722	5248.6312	---	---
		5745	17.662	5736.1936	5753.8556	---	---
		5785	17.633	5776.2185	5793.8515	---	---
		5825	17.605	5816.1972	5833.8022	---	---
11N20SISO	Ant1	5180	18.213	5170.9023	5189.1153	---	---
		5220	18.248	5210.8642	5229.1122	---	---
		5240	18.234	5230.8817	5249.1157	---	---
		5745	18.687	5735.6250	5754.3120	---	---
		5785	18.684	5775.6662	5794.3502	---	---
		5825	18.648	5815.6912	5834.3392	---	---
11N40SISO	Ant1	5190	36.358	5171.8769	5208.2349	---	---
		5230	36.235	5211.9429	5248.1779	---	---
		5755	37.009	5736.5893	5773.5983	---	---
		5795	36.964	5776.6170	5813.5810	---	---
11AC20SISO	Ant1	5180	19.110	5170.4659	5189.5759	---	---
		5220	19.136	5210.4656	5229.6016	---	---
		5240	19.058	5230.5010	5249.5590	---	---
		5745	19.359	5735.3115	5754.6705	---	---
		5785	19.366	5775.3414	5794.7074	---	---
		5825	19.389	5815.3117	5834.7007	---	---
11AC40SISO	Ant1	5190	37.771	5171.1799	5208.9509	---	---
		5230	37.794	5211.1747	5248.9687	---	---
		5755	38.343	5735.9190	5774.2620	---	---
		5795	38.333	5775.9359	5814.2689	---	---
11AX20SISO	Ant1	5180	19.115	5170.4734	5189.5884	---	---
		5220	19.148	5210.4614	5229.6094	---	---
		5240	19.137	5230.4743	5249.6113	---	---
		5745	19.390	5735.3167	5754.7067	---	---
		5785	19.411	5775.3285	5794.7395	---	---
		5825	19.401	5815.2969	5834.6979	---	---
11AX40SISO	Ant1	5190	37.762	5171.1781	5208.9401	---	---
		5230	37.785	5211.1102	5248.8952	---	---
		5755	38.369	5735.9125	5774.2815	---	---
		5795	38.358	5775.8985	5814.2565	---	---

Test Graphs

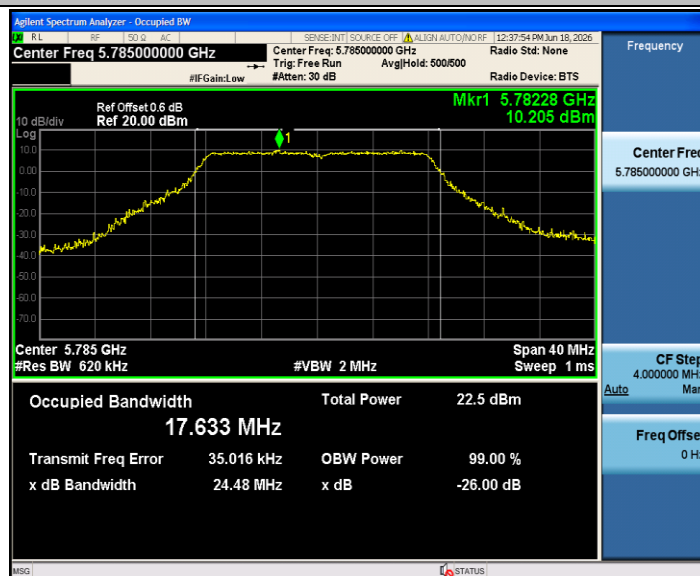




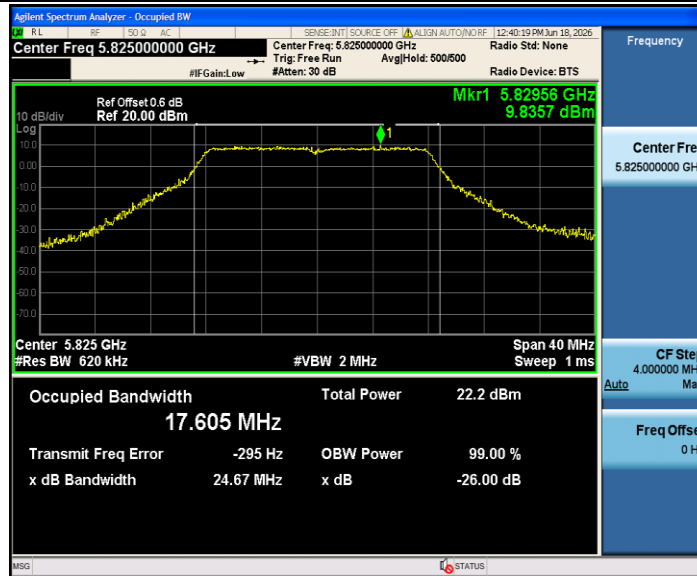
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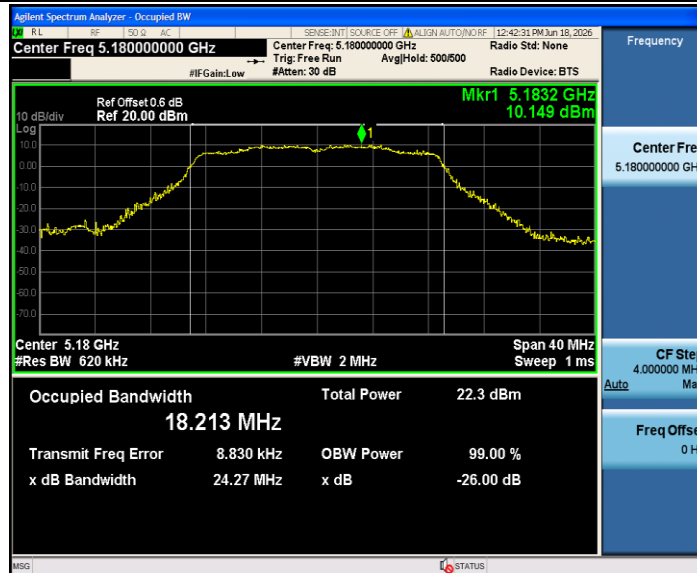
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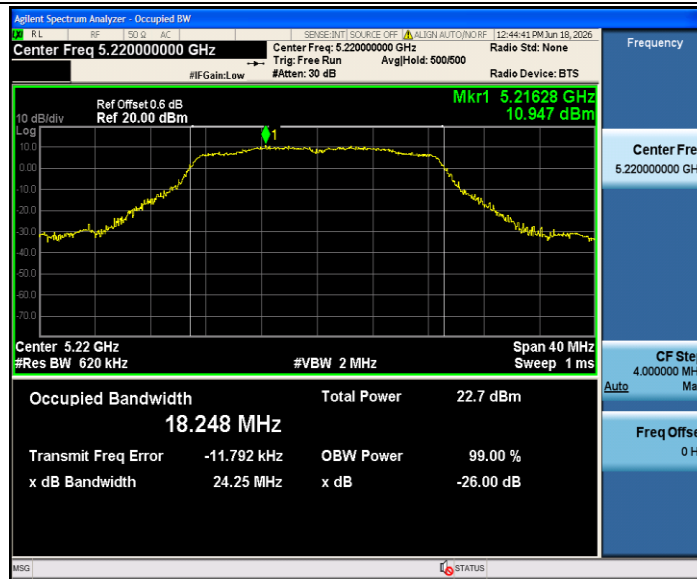
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11N20SISO_Ant1_5180



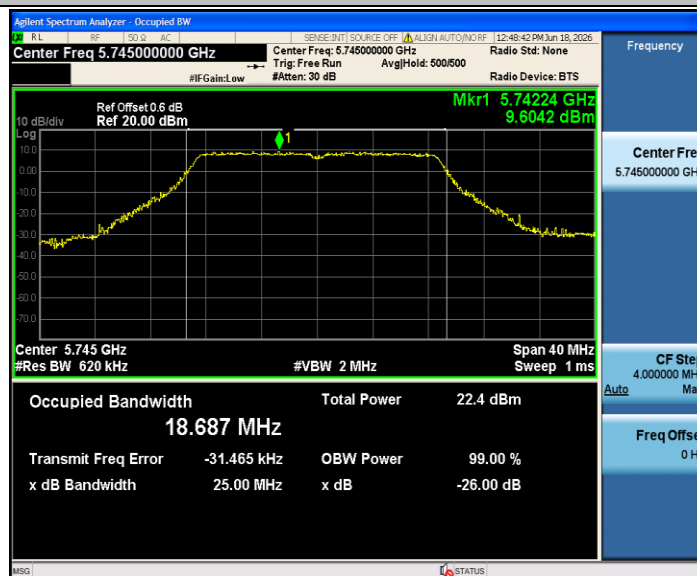
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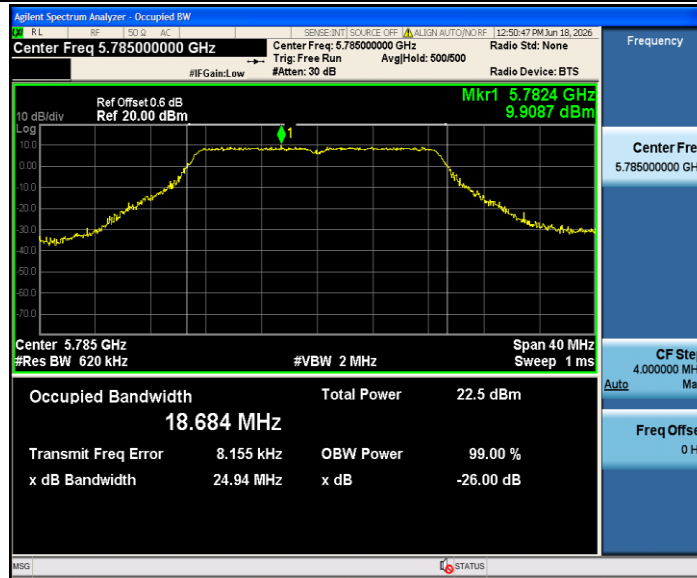
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11N20SISO_Ant1_5745



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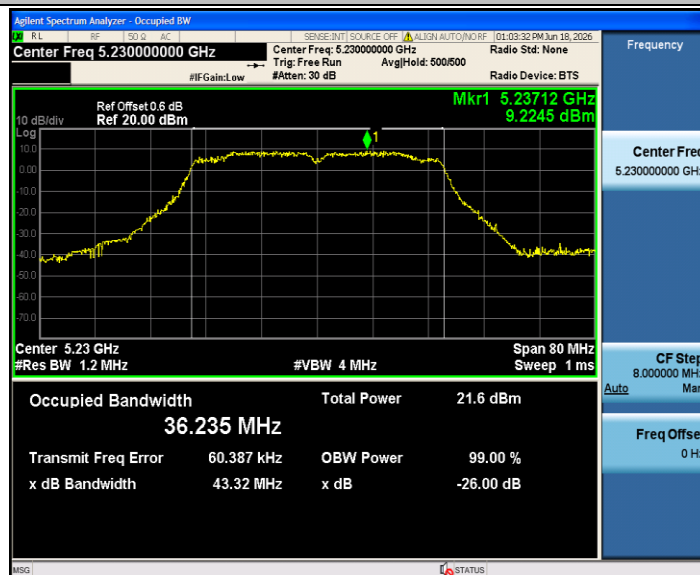
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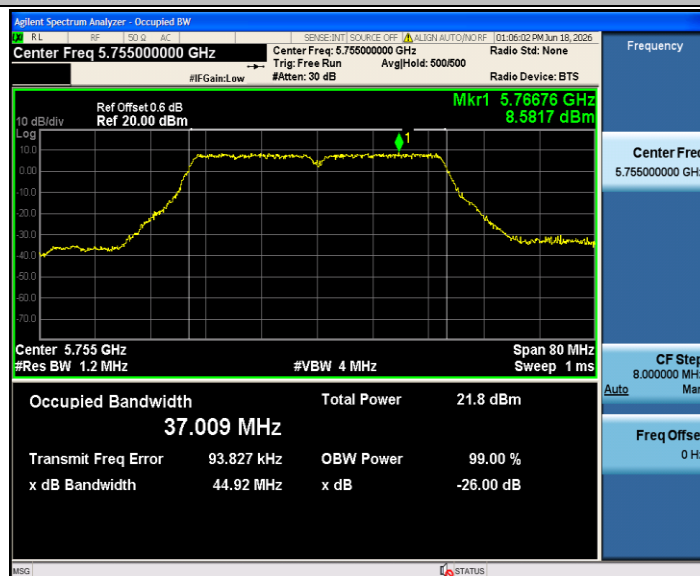
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11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



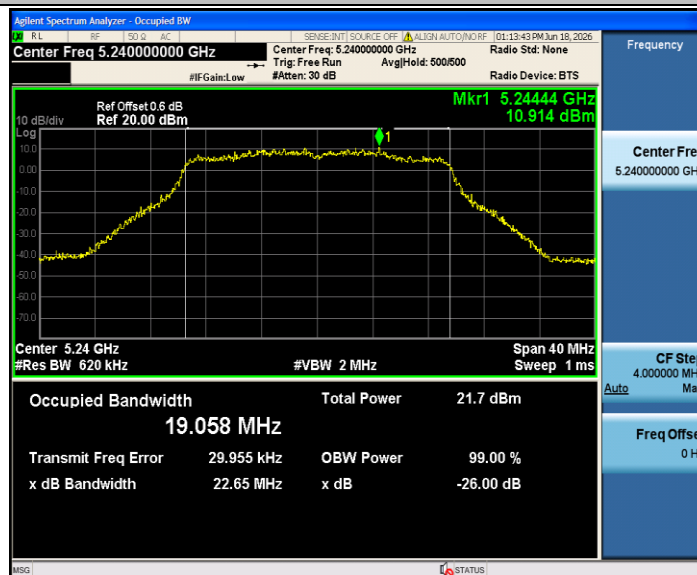
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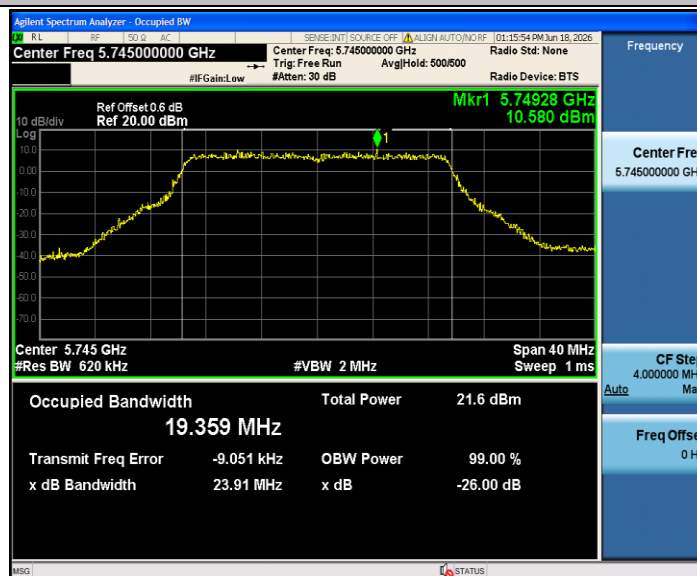
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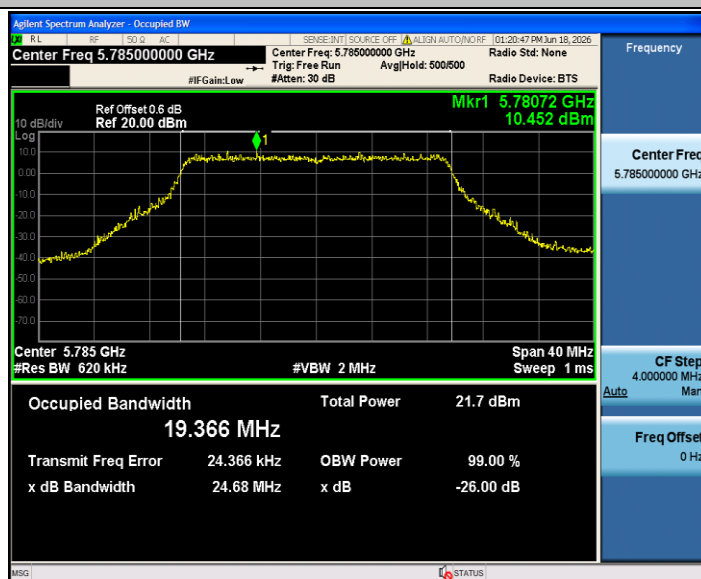
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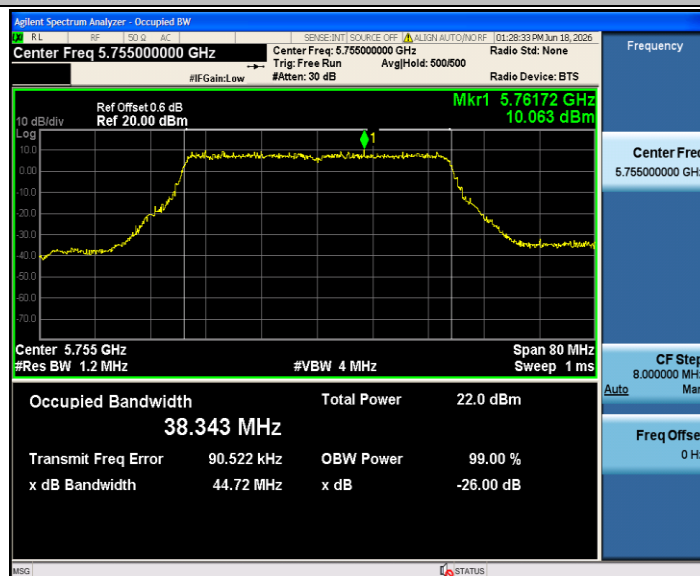
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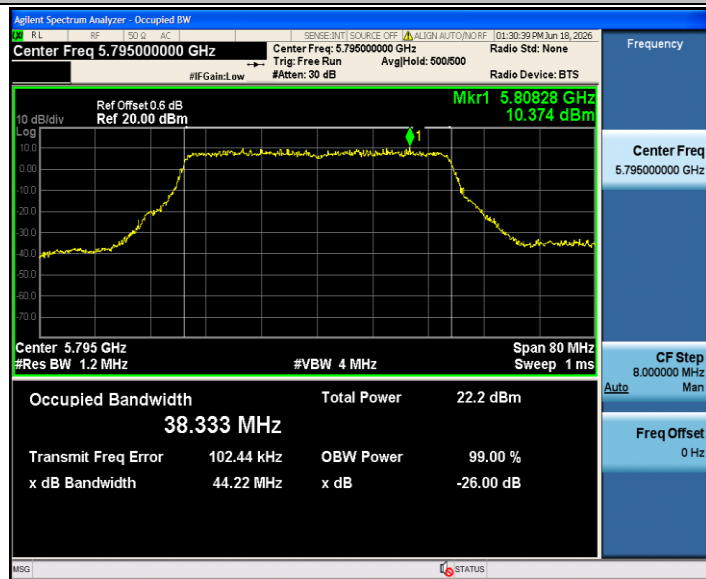
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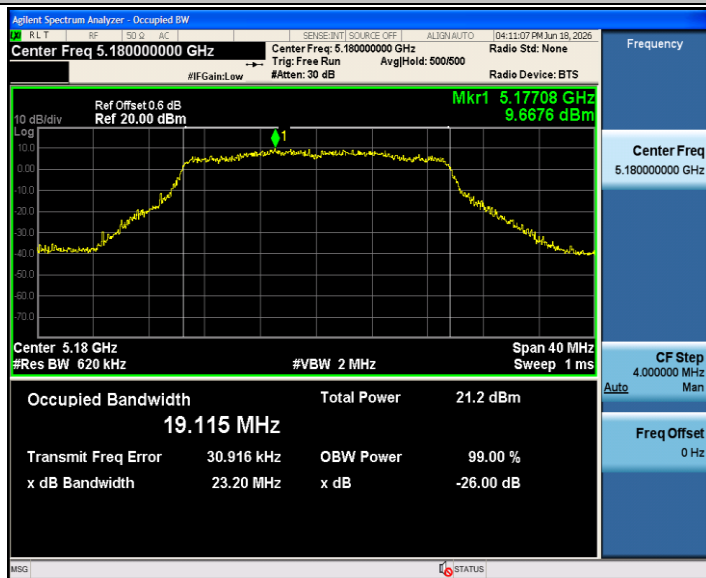
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11AC40SISO_Ant1_5795



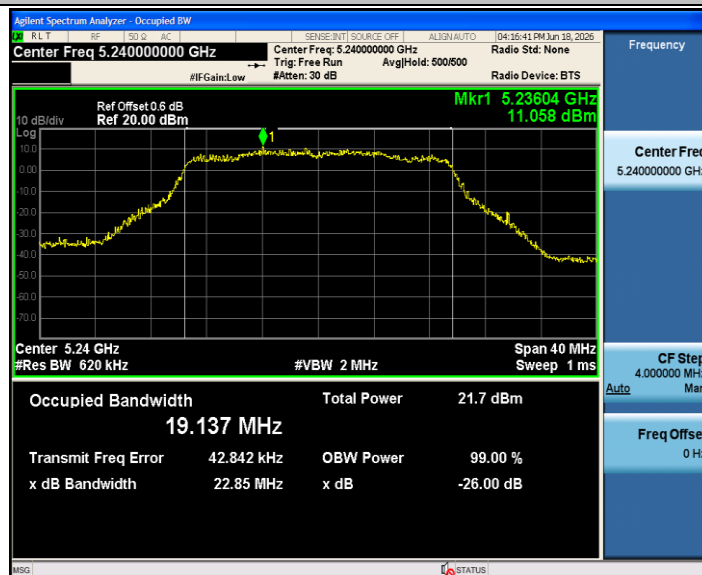
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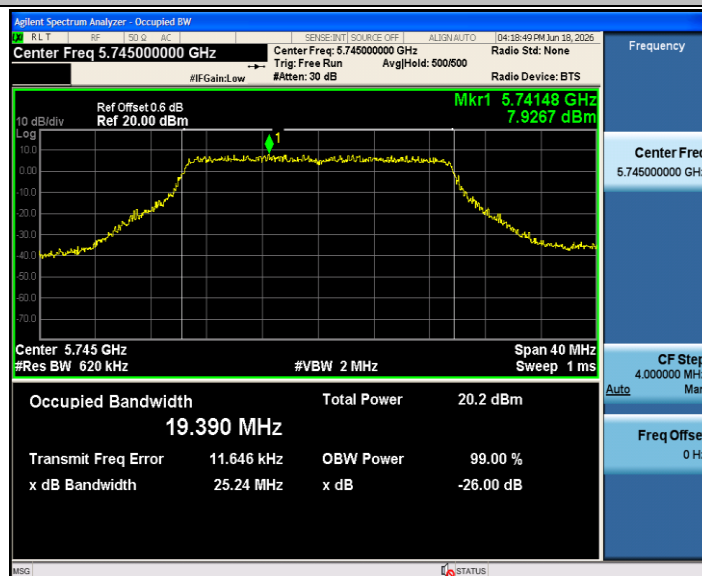
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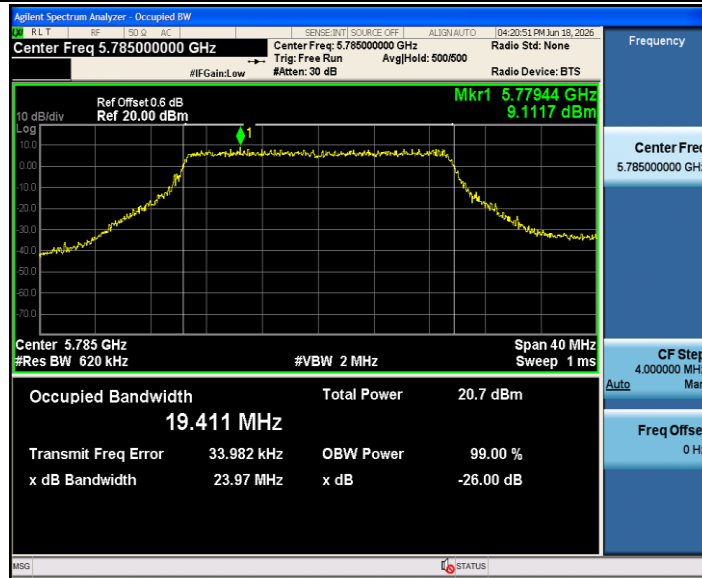
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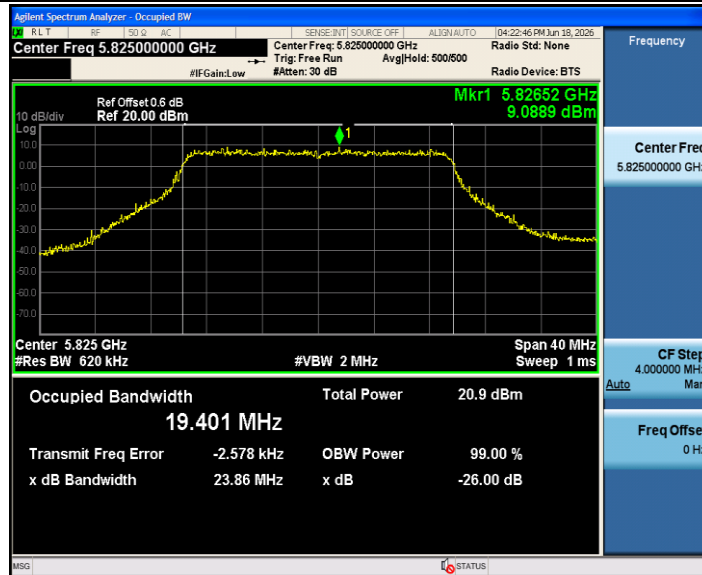
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11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5190