



CTC Laboratories, Inc.

Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict,
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TRF No: CTC-TR-062_A2



11AC20MIMO_Ant2_5180



11AC20MIMO_Ant1_5200



11AC20MIMO_Ant2_5200

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11AC20MIMO_Ant1_5240



11AC20MIMO_Ant2_5240



11AC20MIMO_Ant1_5260

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11AC20MIMO_Ant2_5260



11AC20MIMO_Ant1_5280



11AC20MIMO_Ant2_5280

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11AC20MIMO_Ant2_5500



11AC20MIMO_Ant1_5580



11AC20MIMO_Ant2_5580

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11AC20MIMO_Ant1_5825



11AC20MIMO_Ant2_5825



11AC40MIMO_Ant1_5190

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11AC40MIMO_Ant2_5190



11AC40MIMO_Ant1_5230



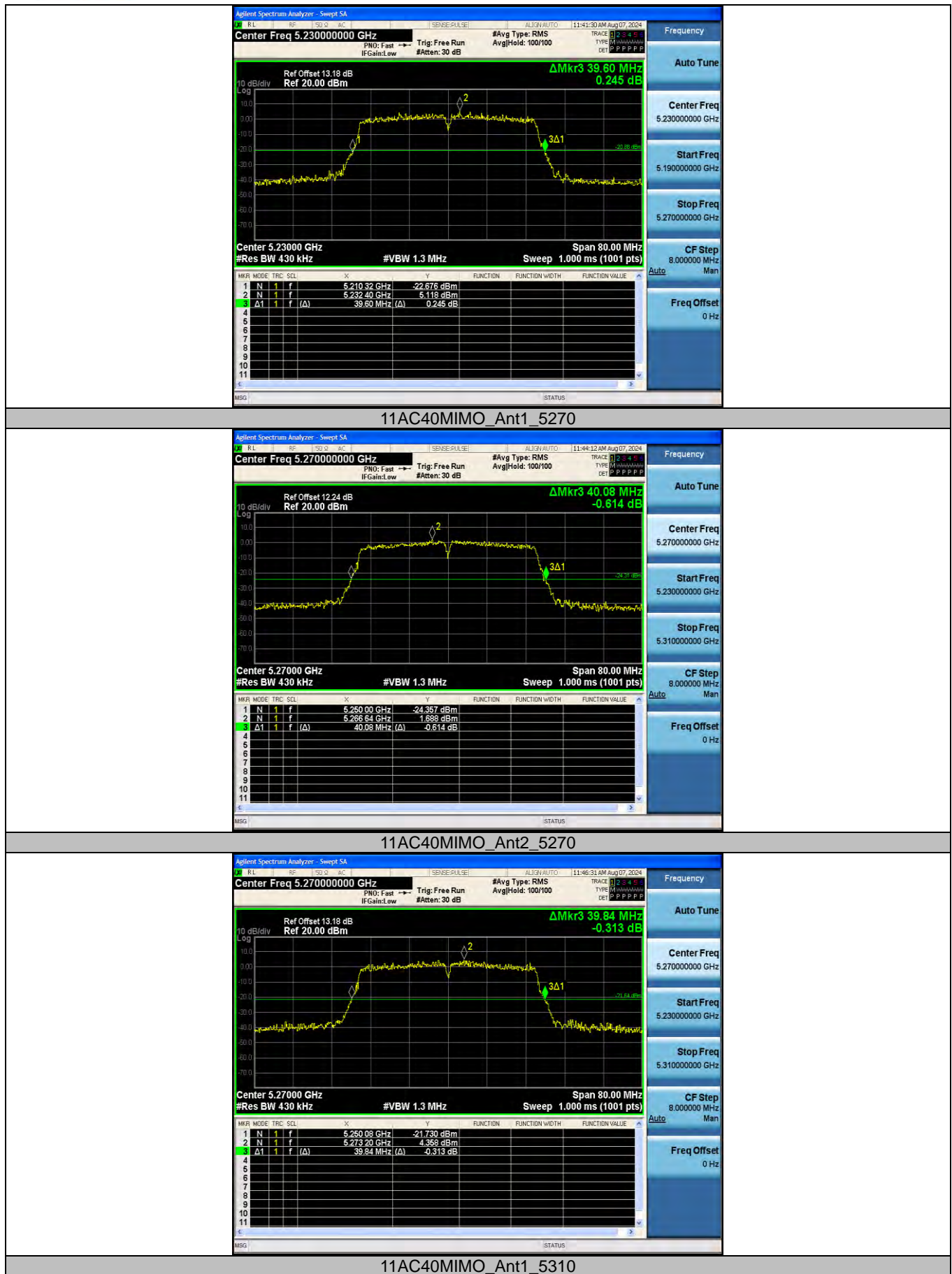
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11AC40MIMO_Ant2_5310



11AC40MIMO_Ant1_5510



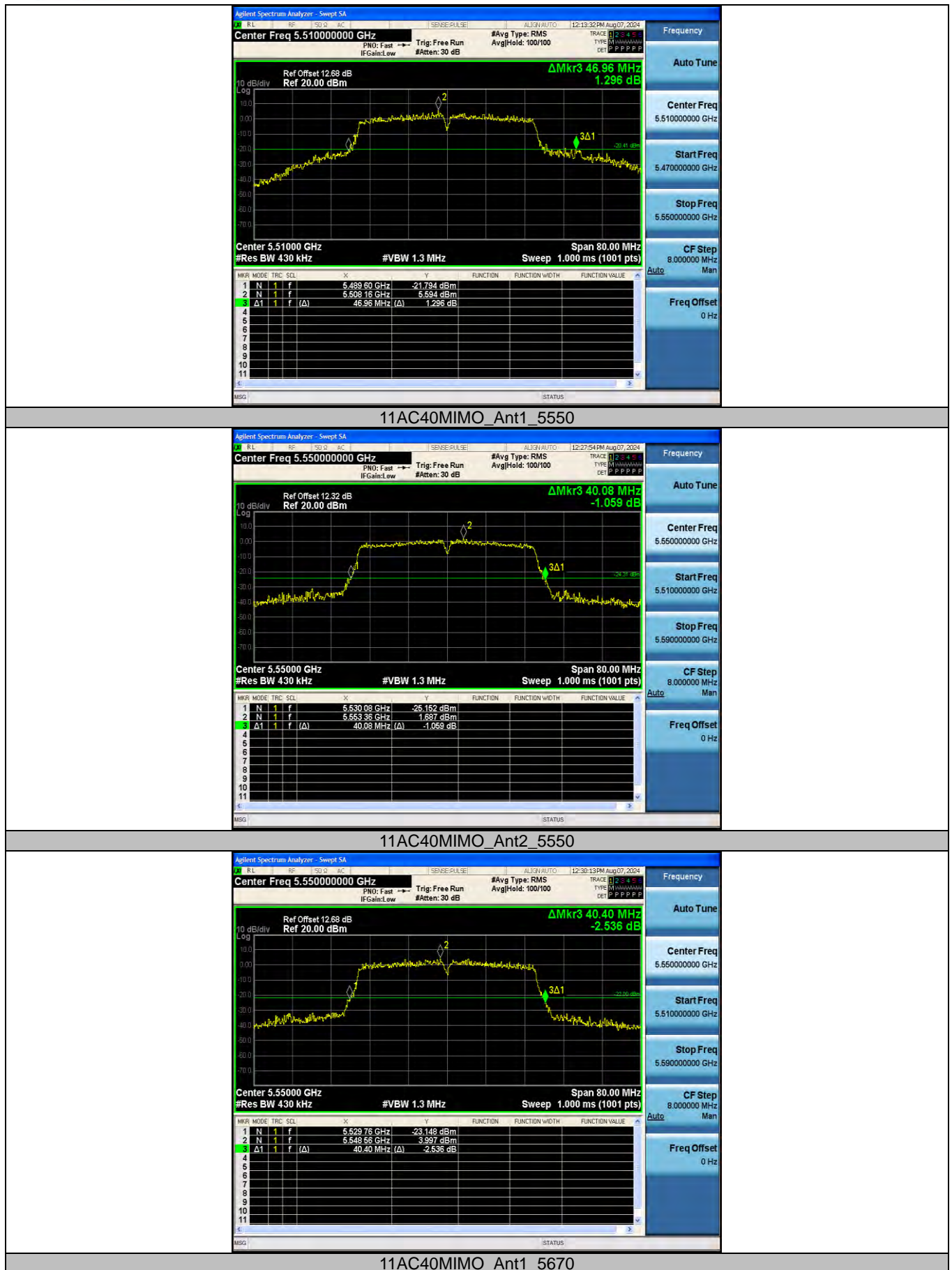
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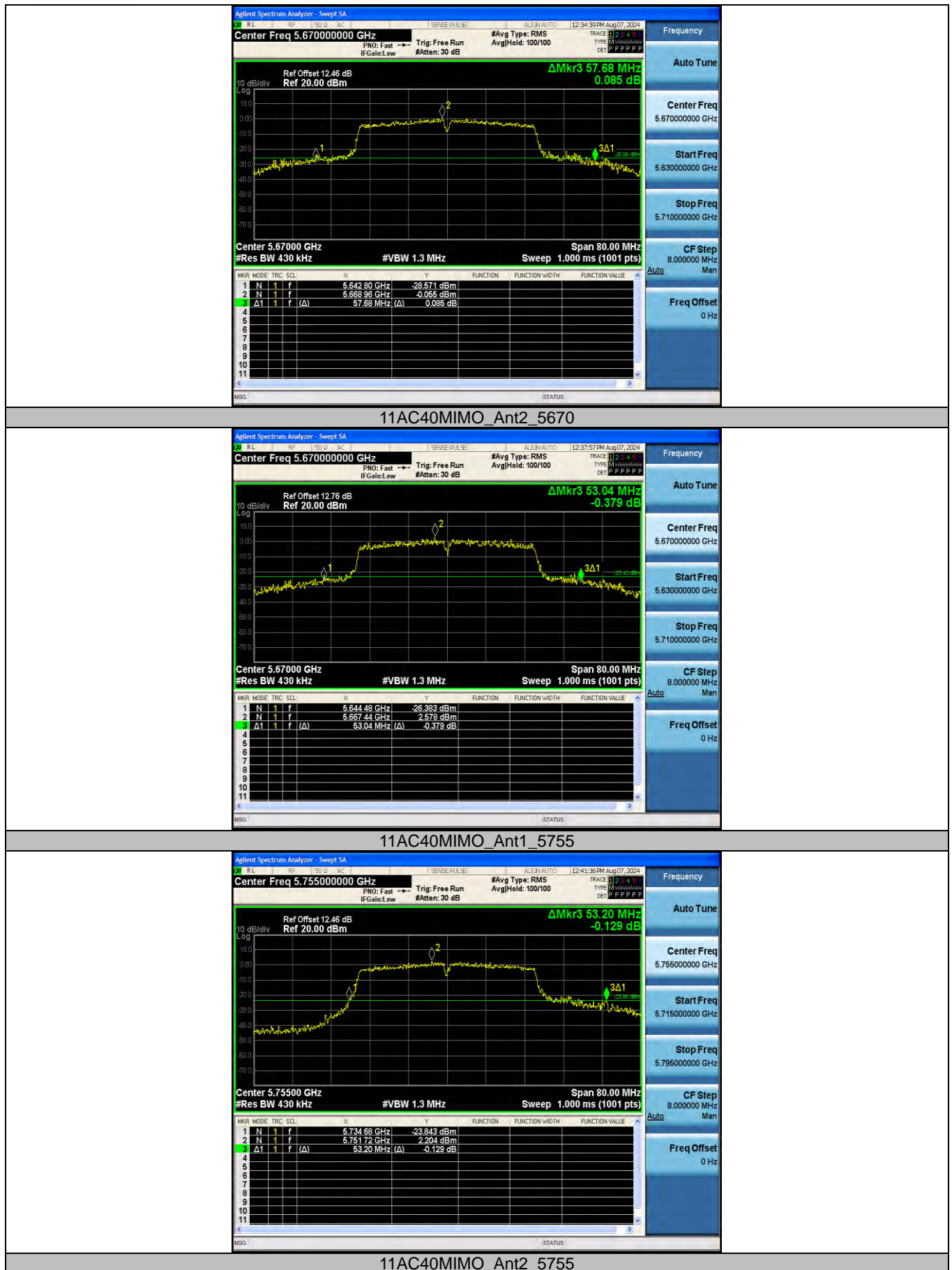


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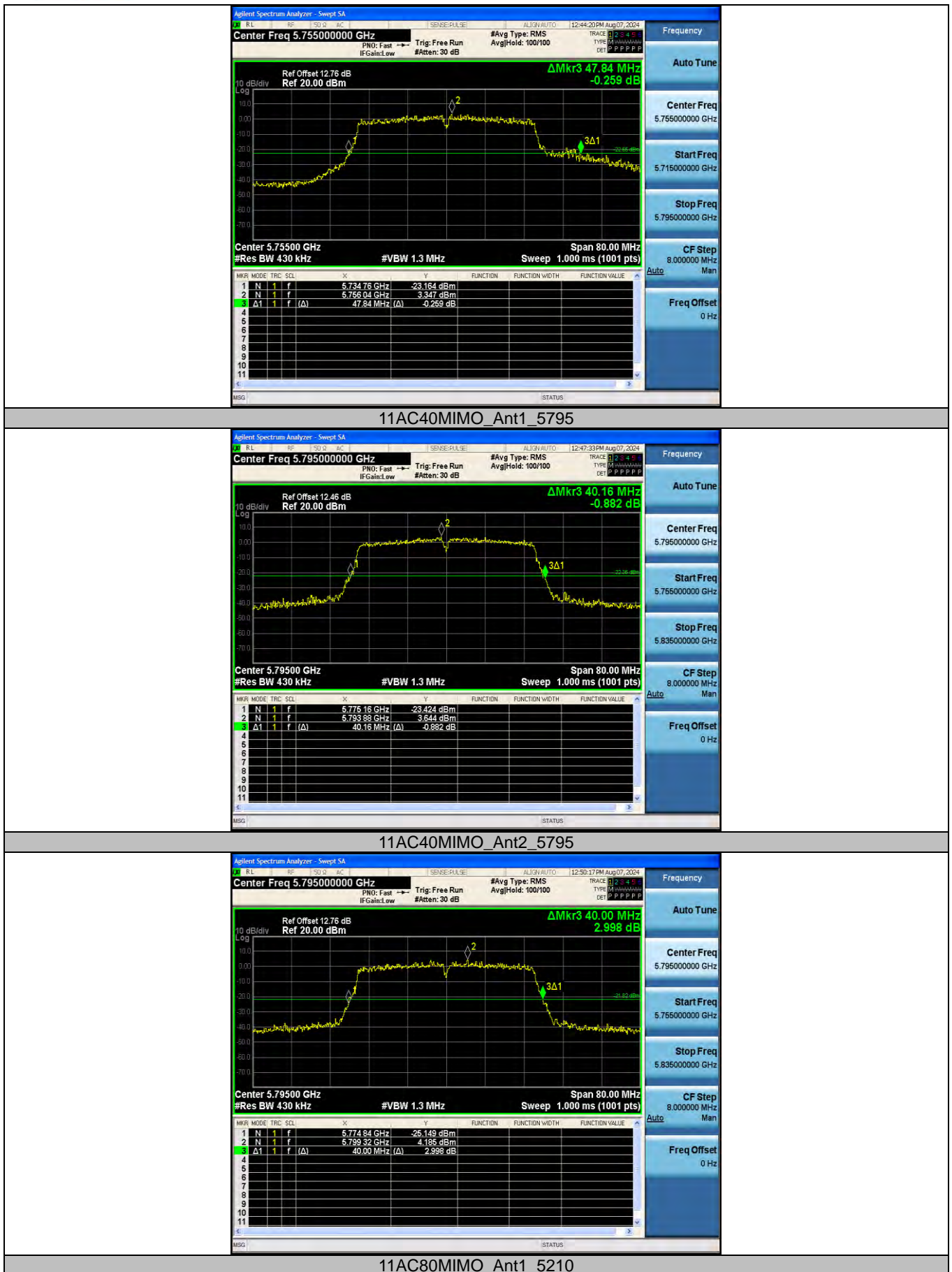


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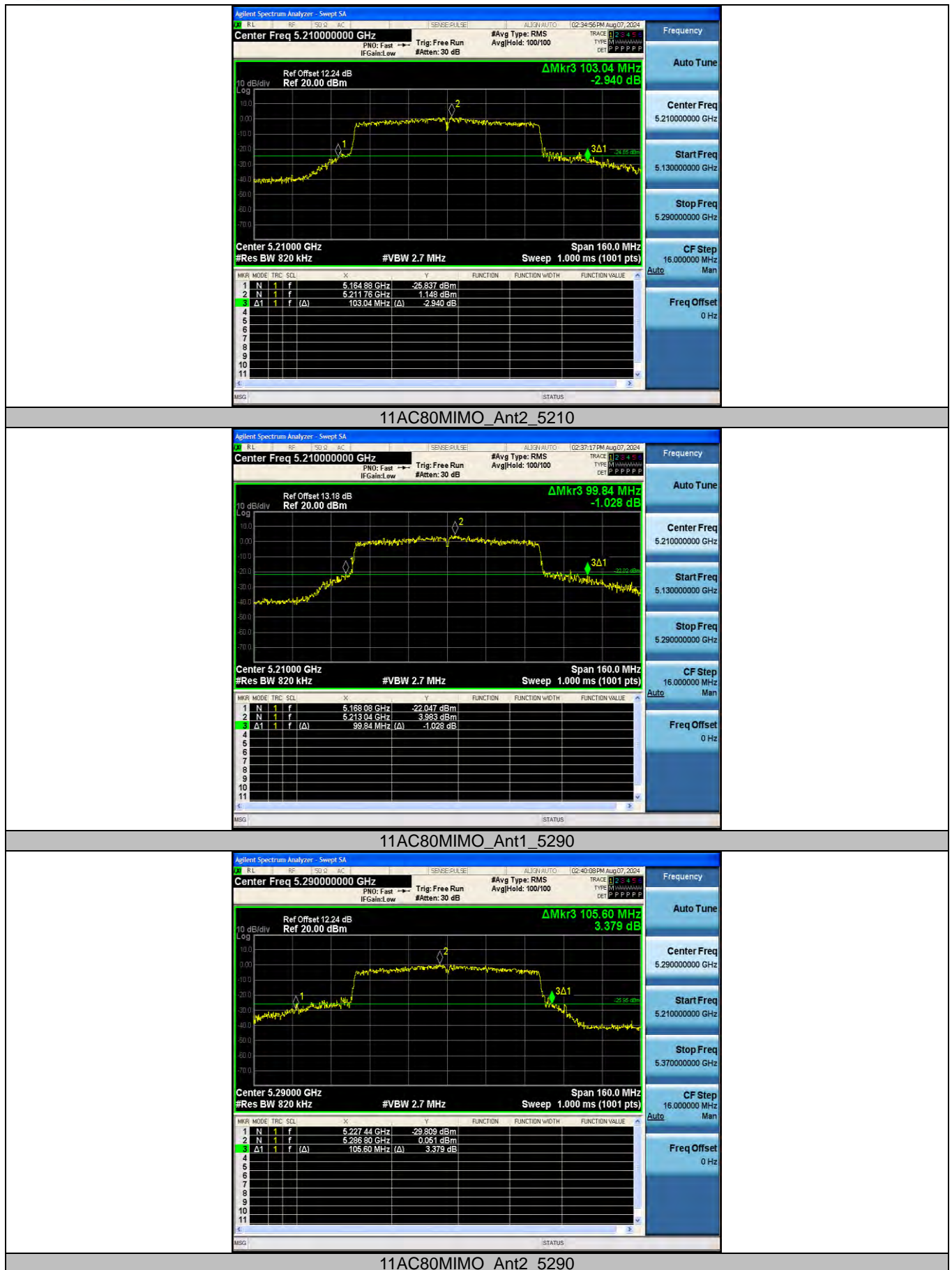
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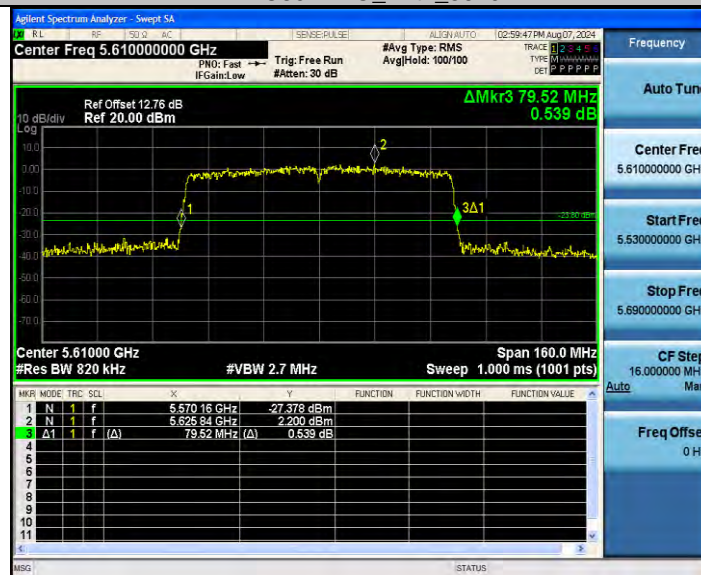
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11AC160MIMO_Ant1_5250



11AC160MIMO_Ant2_5250



11AC160MIMO_Ant1_5570

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6dB Bandwidth:

11A_Ant1_5745



11A_Ant2_5745



11A_Ant1_5785



11A_Ant2_5785

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11A_Ant1_5825



11A_Ant2_5825



11AC20MIMO_Ant1_5745

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TRF No: CTC-TR-062_A2



11AC20MIMO_Ant2_5745



11AC20MIMO_Ant1_5785



11AC20MIMO_Ant2_5785

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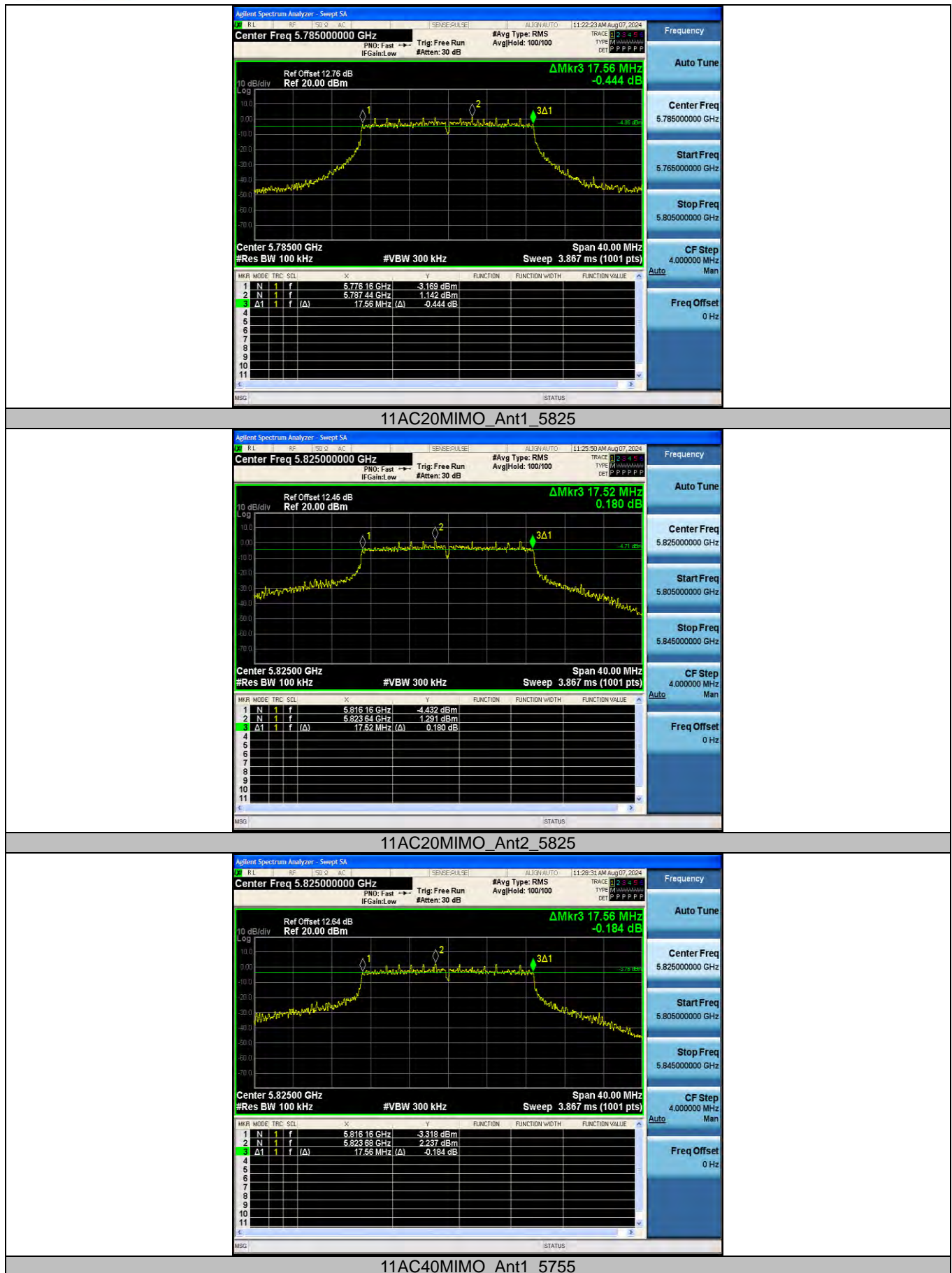
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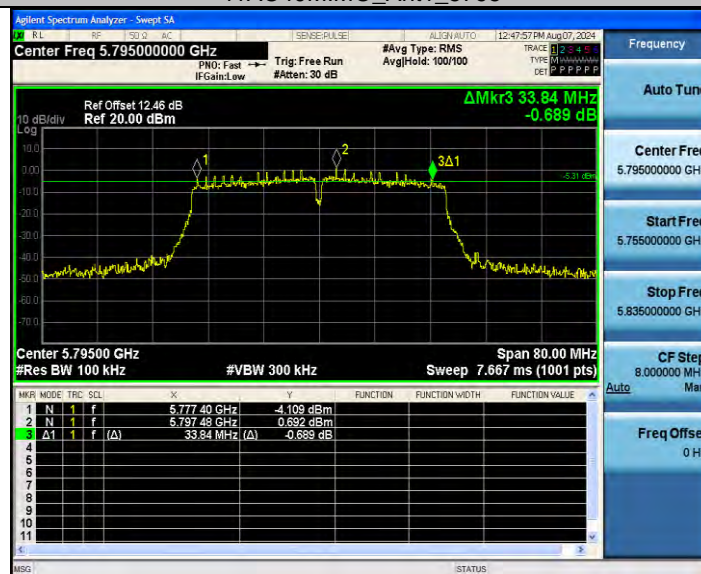
TRF No: CTC-TR-062_A2



11AC40MIMO_Ant2_5755



11AC40MIMO_Ant1_5795



11AC40MIMO_Ant2_5795

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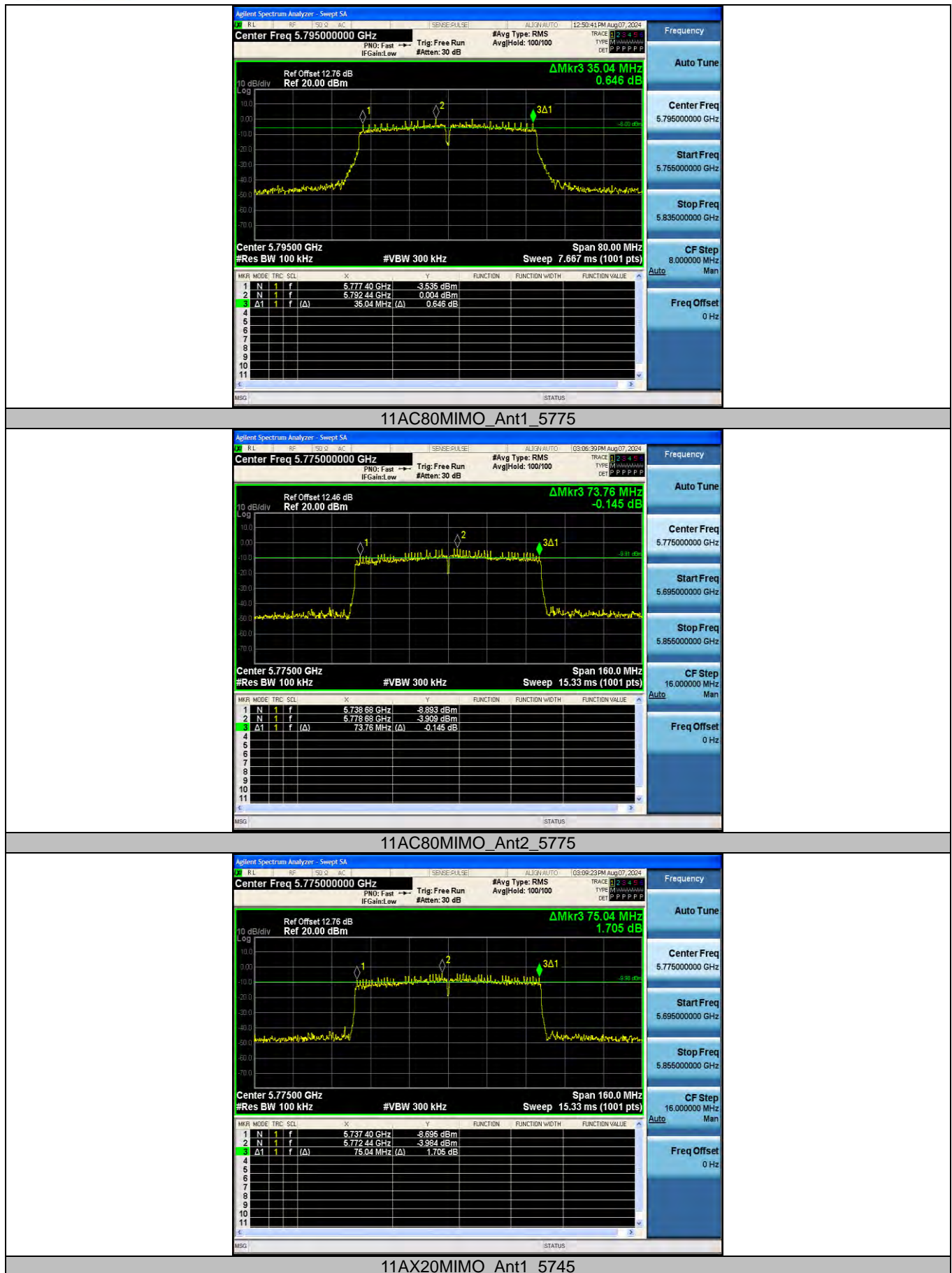
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11AX20MIMO_Ant2_5745



11AX20MIMO_Ant1_5785



11AX20MIMO_Ant2_5785

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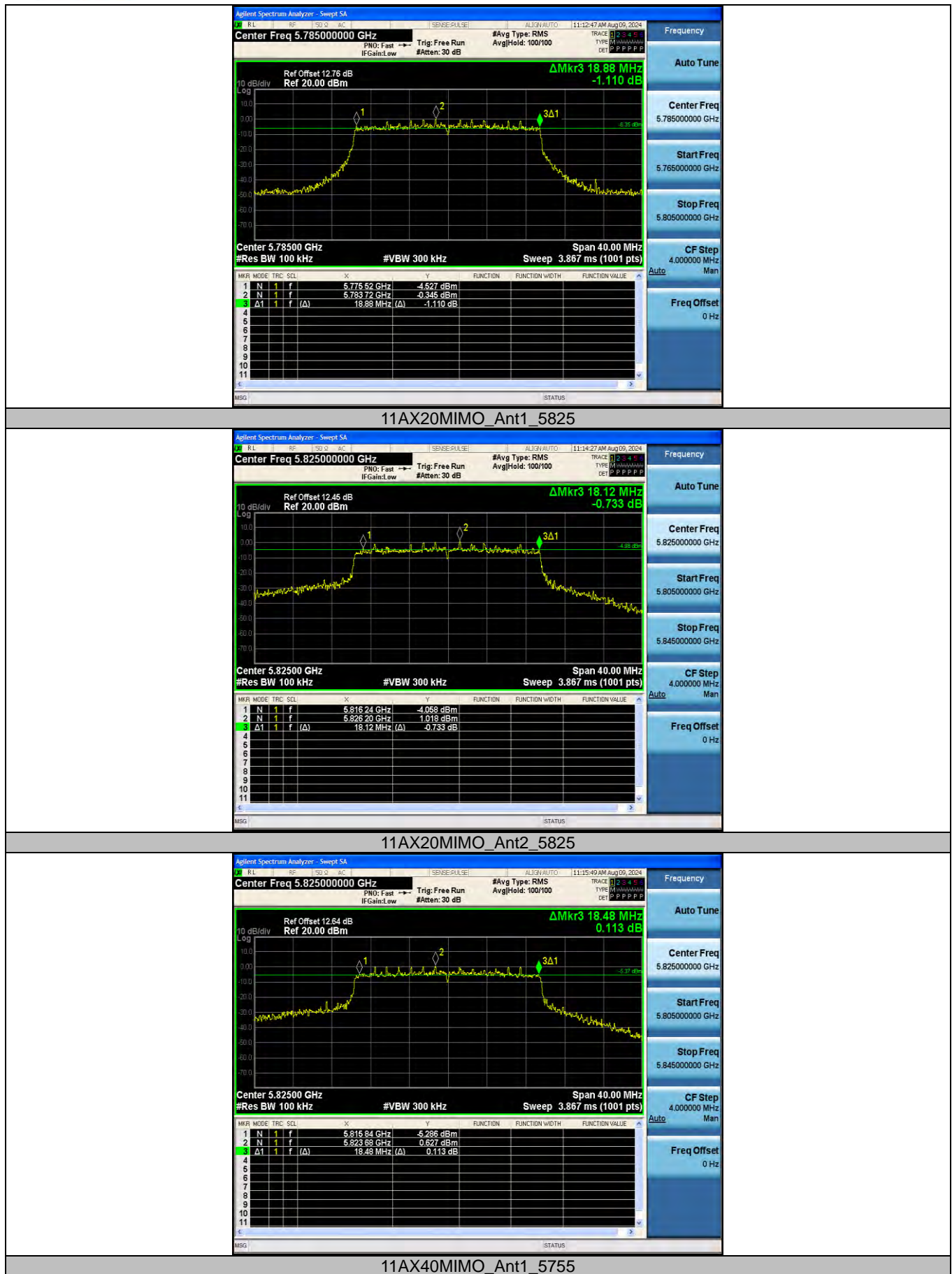
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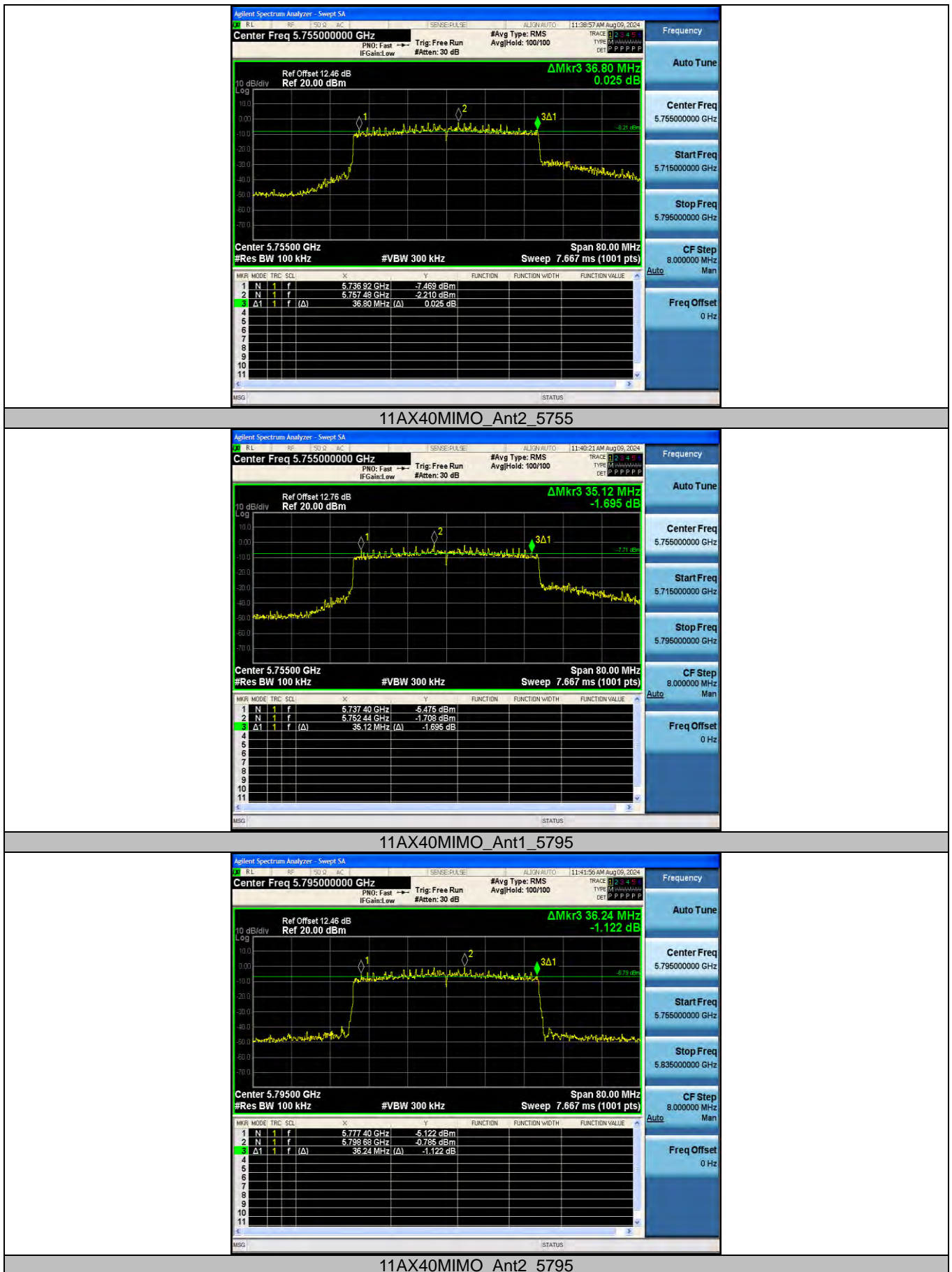
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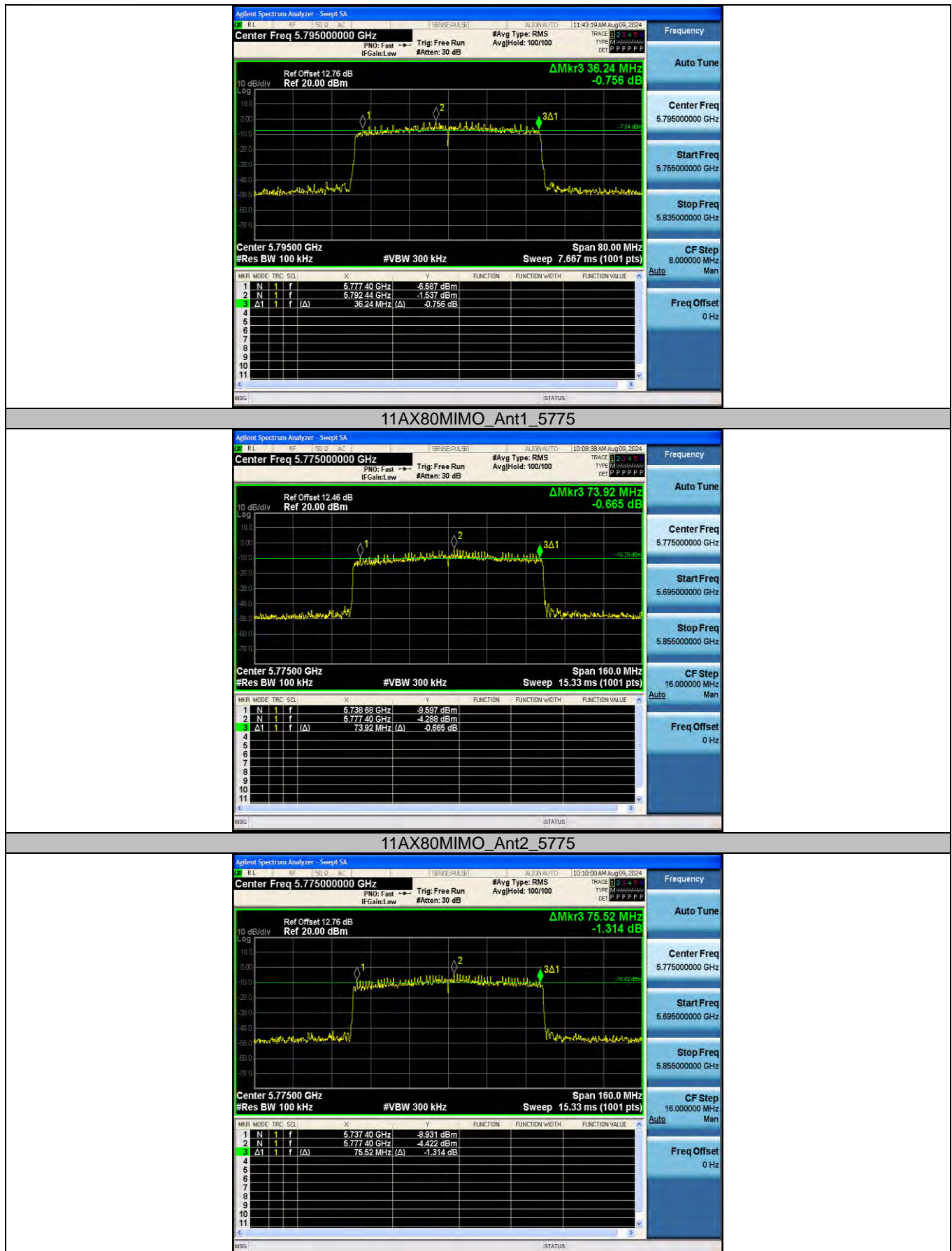


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TRF No: CTC-TR-062_A2



3.5. Peak Output Power

Limit

FCC CFR Title 47 Part 15 Subpart E Section 15.407(a)

Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	Fixed: 1 Watt (30dBm) Mobile and Portable: 250mW (24dBm)	5150~5250
	250mW (24dBm)	5250~5350
	250mW (24dBm)	5500~5700
	1 Watt (30dBm)	5725~5850

RSS-247 6.2

IC Power&PSD Limit					
Frequency	Type of devices	Maximum Conducted Output Power	EIRP Output Power	Conducted Power Spectral Density	EIRP Power Spectral Density
5150MHz-5250MHz	in vehicles		30mW or $1.76 + 10 \times \log_{10} B$ dBm, whichever is less (B=99% OBW in MHz)		
	Other Devices		200mW or $10 + 10 \times \log_{10} B$ dBm, whichever is less (B=99% OBW in MHz)		10dBm/MHz
5250MHz-5350MHz	in vehicles		30mW or $1.76 + 10 \times \log_{10} B$ dBm, whichever is less (B=99% OBW in MHz)		
	Other Devices	250mW or $11 + 10 \times \log_{10} B$ dBm, whichever is less (B=99% OBW in MHz)	1W or $17 + 10 \times \log_{10} B$ dBm, whichever is less (B=99% OBW in MHz)	11dBm/MHz	
5470MHz-5600MHz 5650MHz-5725MHz	ALL Devices	250mW or $11 + 10 \times \log_{10} B$ dBm, whichever is less (B=99% OBW in MHz)	1W or $17 + 10 \times \log_{10} B$ dBm, whichever is less (B=99% OBW in MHz)	11dBm/MHz	
5725MHz-5850MHz	ALL Devices	1W		30dBm/500KHz	

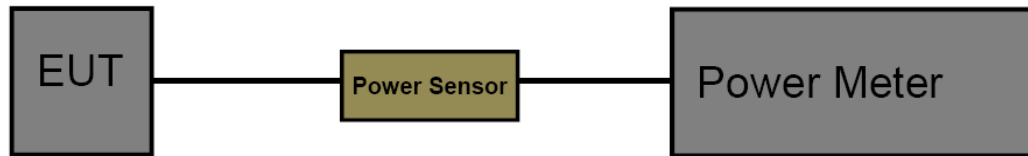
Test Configuration

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Test Procedure

The measurement is according to section 3 of KDB 789033 D02 General UNII Test Procedures New Rules V02r01.

Test Mode

Please refer to the clause 2.4.

Test Result

Test Mode	Antenna	Freq(MHz)	Conducted Output Power [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	16.21	≤23.98	PASS
	Ant2	5180	16.85	≤23.98	PASS
	Ant1	5200	15.85	≤23.98	PASS
	Ant2	5200	16.12	≤23.98	PASS
	Ant1	5240	15.33	≤23.98	PASS
	Ant2	5240	15.15	≤23.98	PASS
	Ant1	5260	15.31	≤23.98	PASS
	Ant2	5260	15.37	≤23.98	PASS
	Ant1	5280	15.25	≤23.98	PASS
	Ant2	5280	15.54	≤23.98	PASS
	Ant1	5320	15.11	≤23.98	PASS
	Ant2	5320	15.31	≤23.98	PASS
	Ant1	5500	14.48	≤23.98	PASS
	Ant2	5500	15.06	≤23.98	PASS
	Ant1	5580	13.48	≤23.98	PASS
	Ant2	5580	13.99	≤23.98	PASS
	Ant1	5700	15.31	≤23.98	PASS
	Ant2	5700	15.29	≤23.98	PASS
	Ant1	5745	15.34	≤30.00	PASS
	Ant2	5745	15.26	≤30.00	PASS
	Ant1	5785	15.86	≤30.00	PASS
	Ant2	5785	15.64	≤30.00	PASS
11N20MIMO	Ant1	5825	16.26	≤30.00	PASS
	Ant2	5825	16.23	≤30.00	PASS
	Ant1	5180	12.32	≤23.98	PASS
	Ant2	5180	13.19	≤23.98	PASS
	total	5180	15.79	≤23.98	PASS
	Ant1	5200	11.78	≤23.98	PASS
	Ant2	5200	13.92	≤23.98	PASS
	total	5200	15.99	≤23.98	PASS
	Ant1	5240	11.34	≤23.98	PASS
	Ant2	5240	13.09	≤23.98	PASS
	total	5240	15.31	≤23.98	PASS
	Ant1	5260	11.61	≤23.98	PASS
	Ant2	5260	12.84	≤23.98	PASS
	total	5260	15.28	≤23.98	PASS

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