11A-CDD_Ant2_5240

11A-CDD_Ant3_5240

11A-CDD_Ant4_5240

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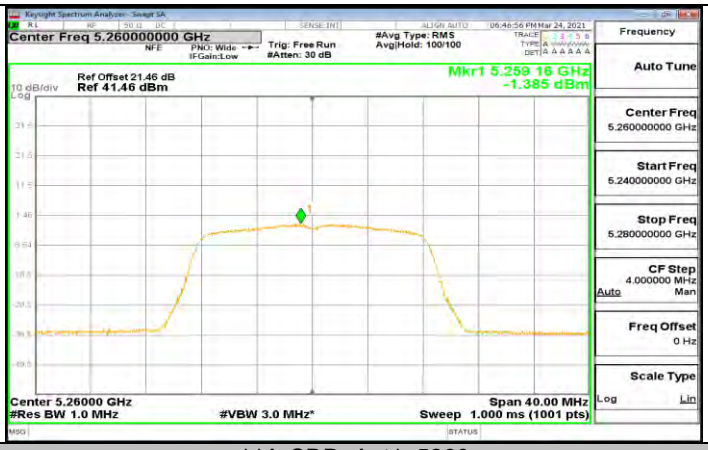

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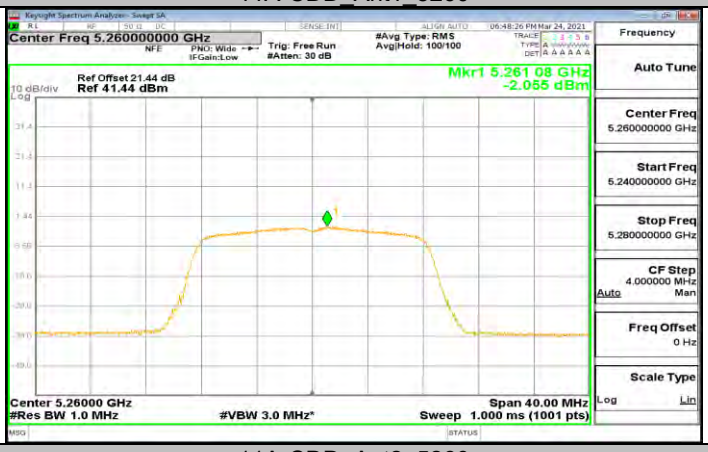

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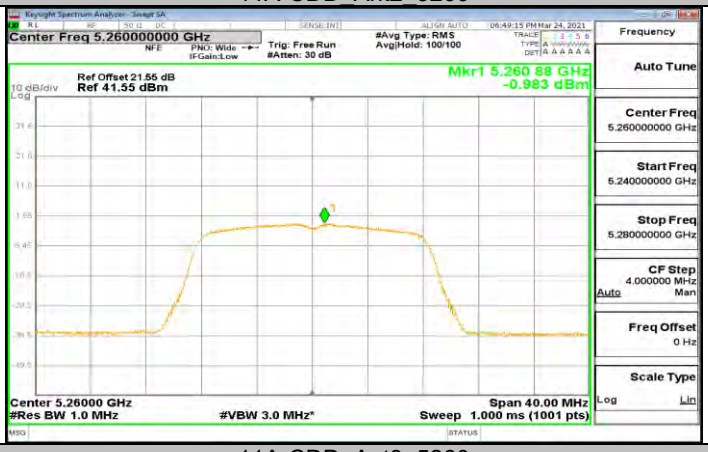

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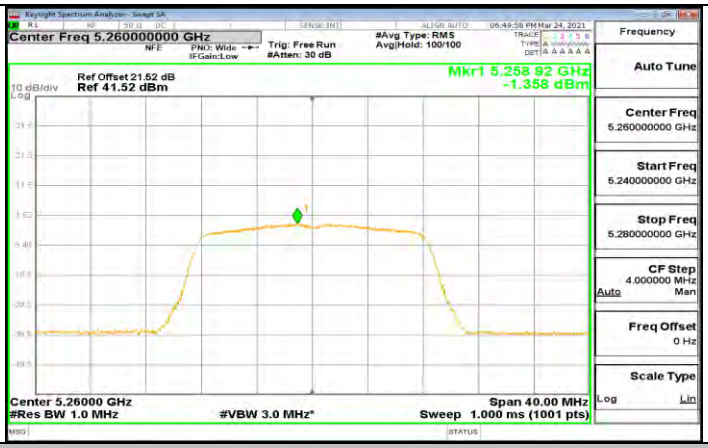

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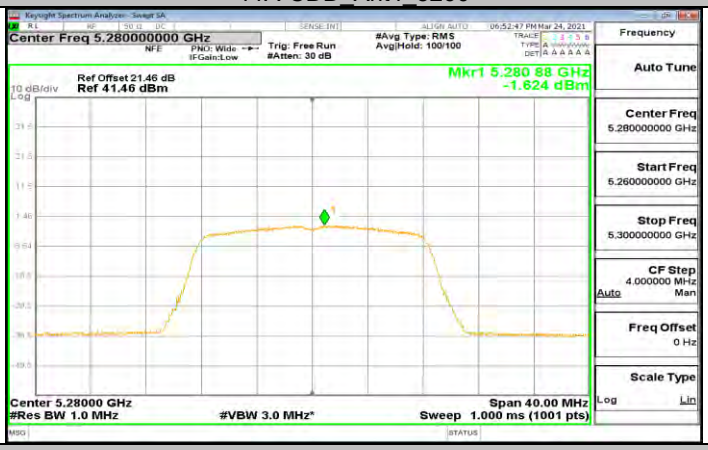

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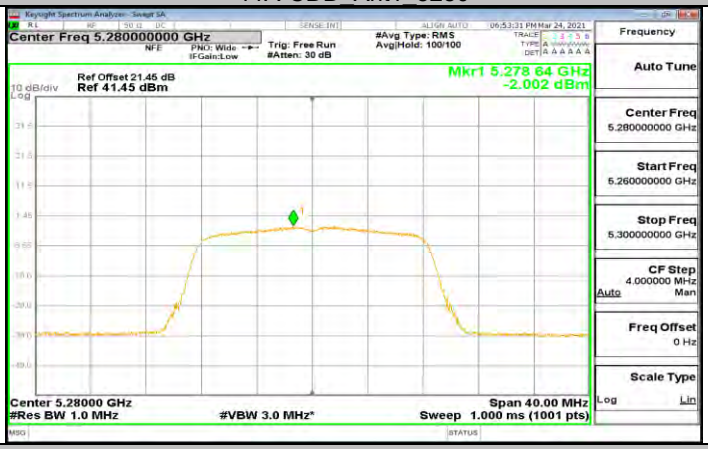

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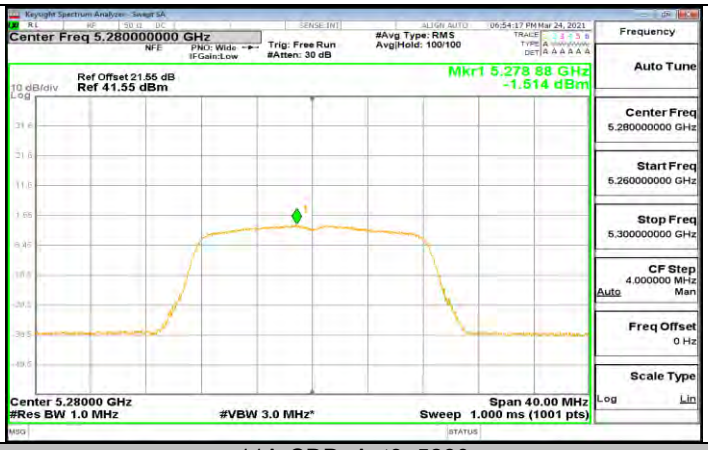

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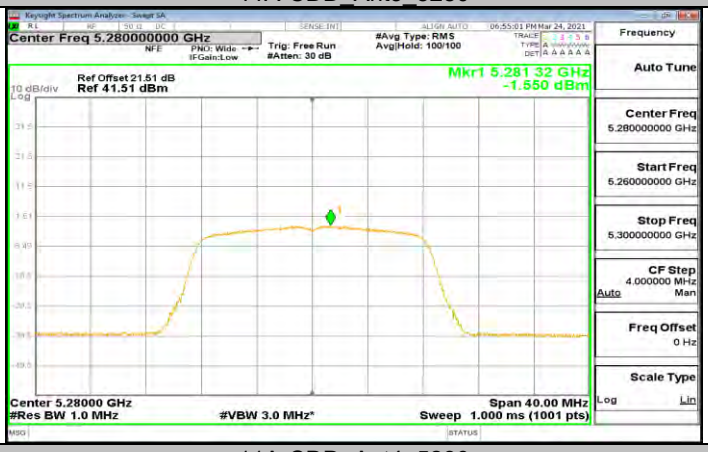

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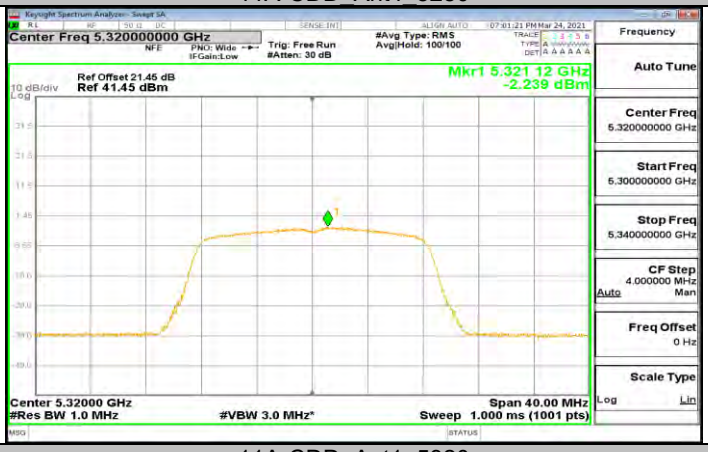

11A-CDD_Ant1_5320

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11A-CDD_Ant2_5320

11A-CDD_Ant3_5320

11A-CDD_Ant4_5320

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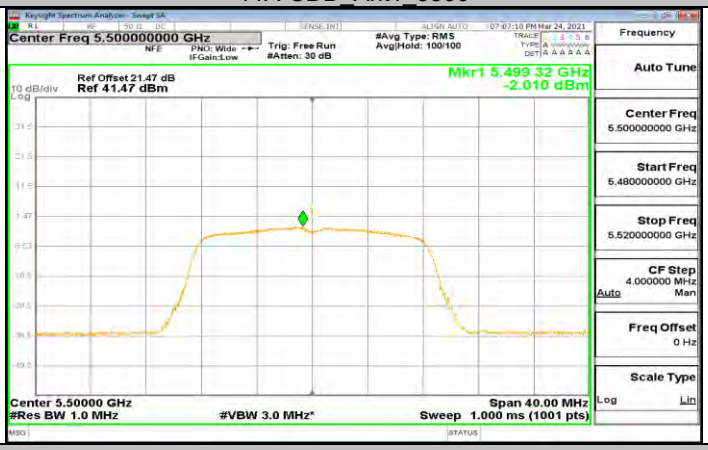
11A-CDD_Ant1_5500



11A-CDD_Ant2_5500

11A-CDD_Ant3_5500

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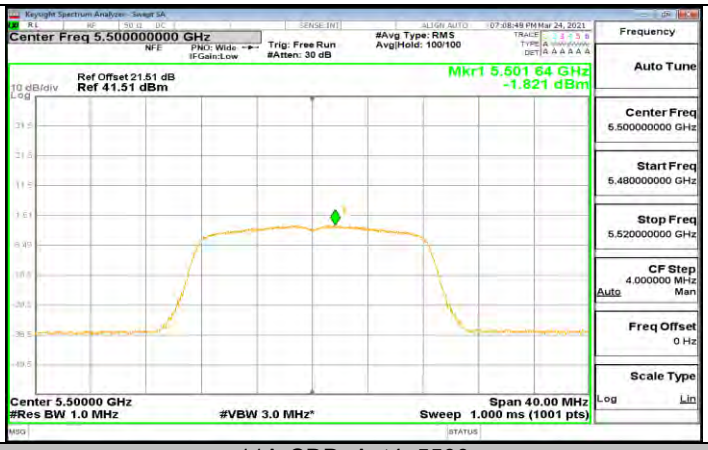

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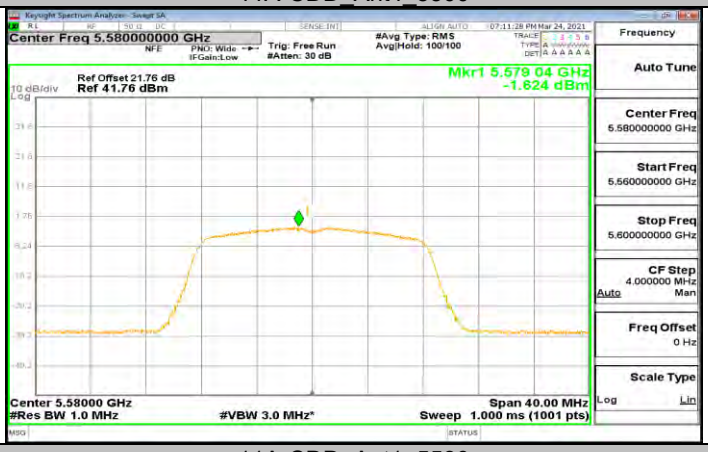

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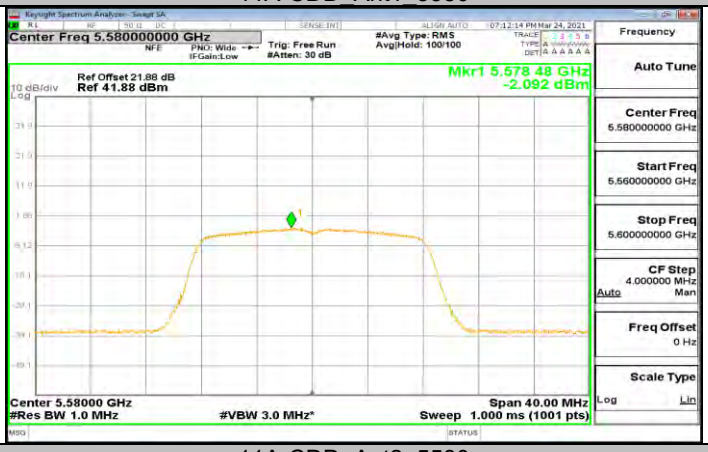

11A-CDD_Ant2_5580

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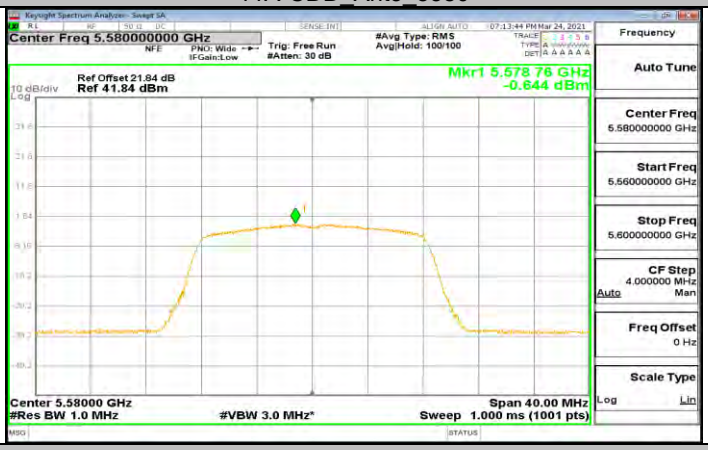

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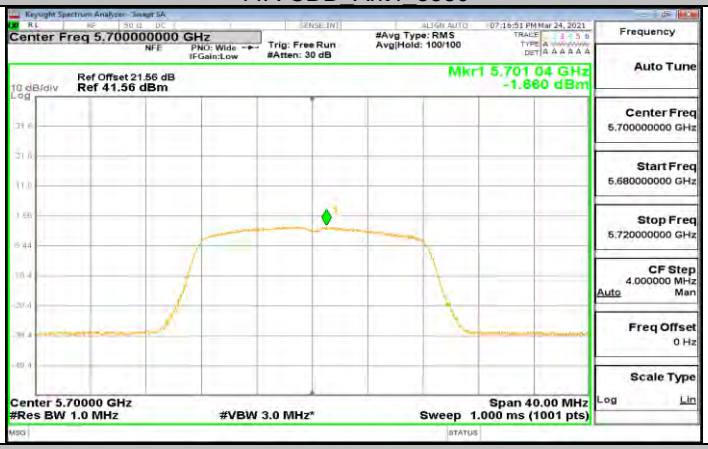

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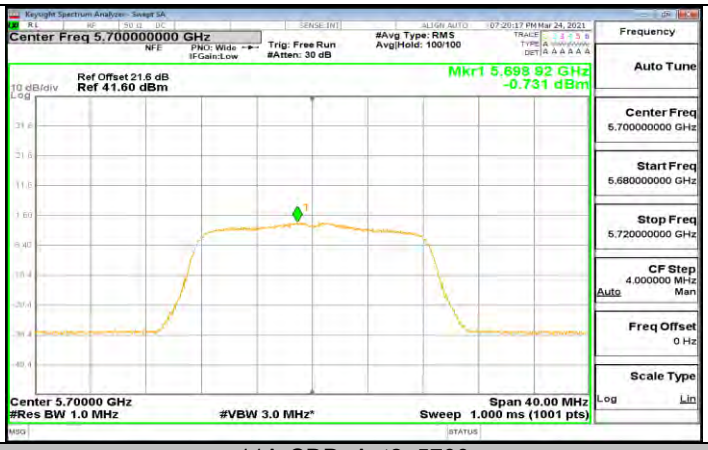

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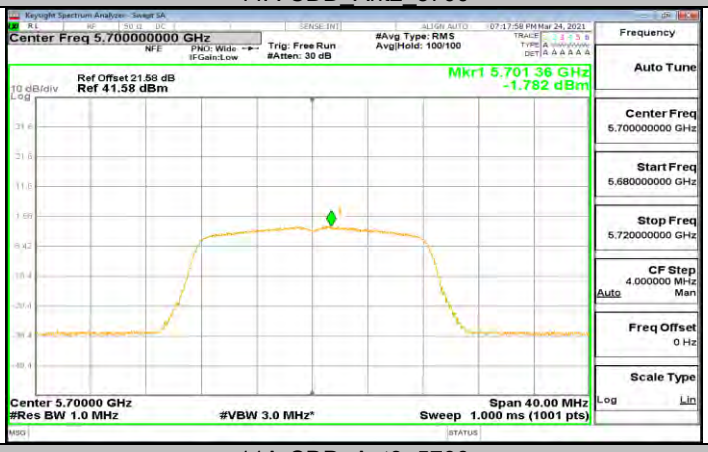

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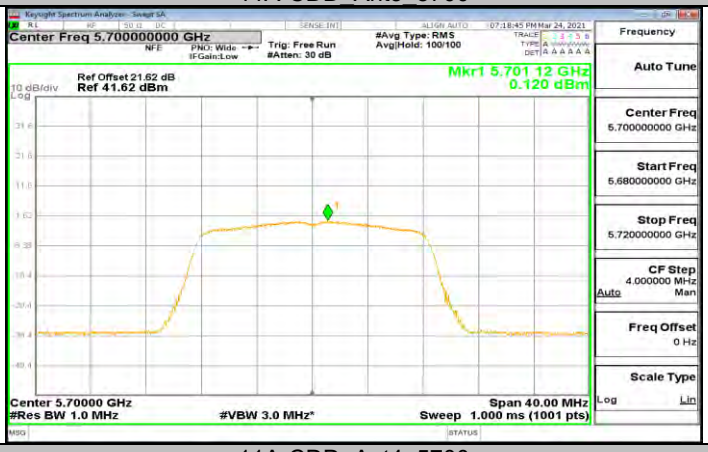

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11A-CDD_Ant1_5745

11A-CDD_Ant2_5745

11A-CDD_Ant3_5745

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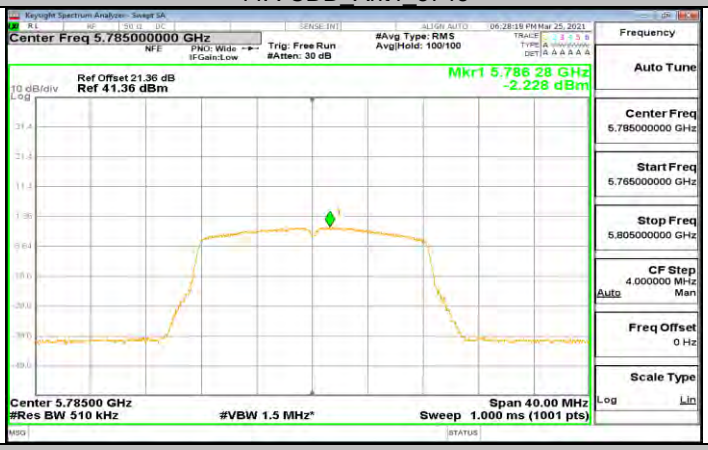

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11A-CDD_Ant2_5785

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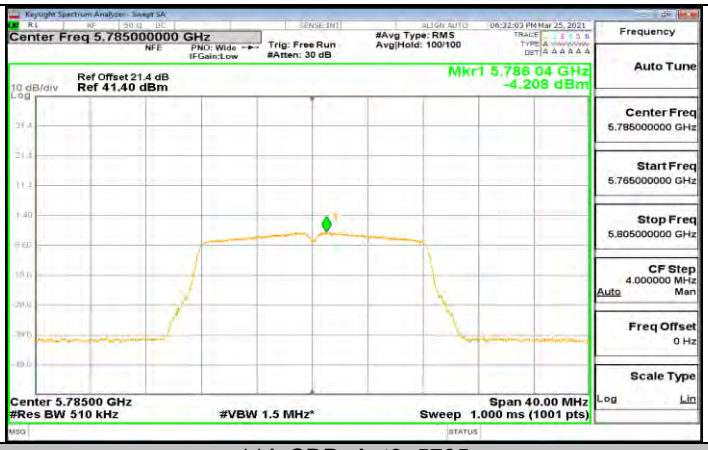

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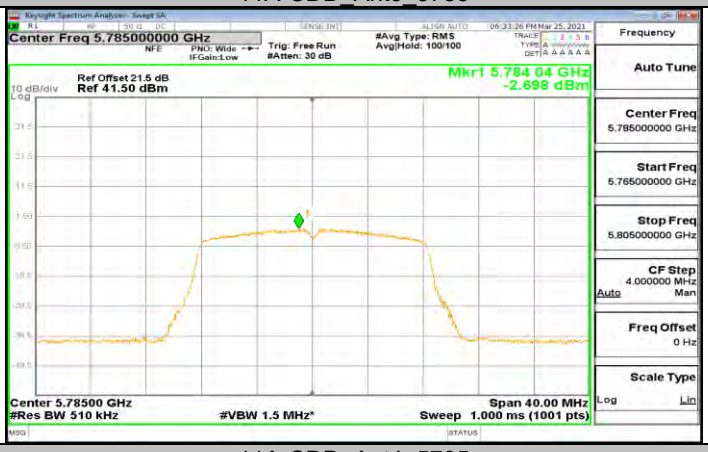

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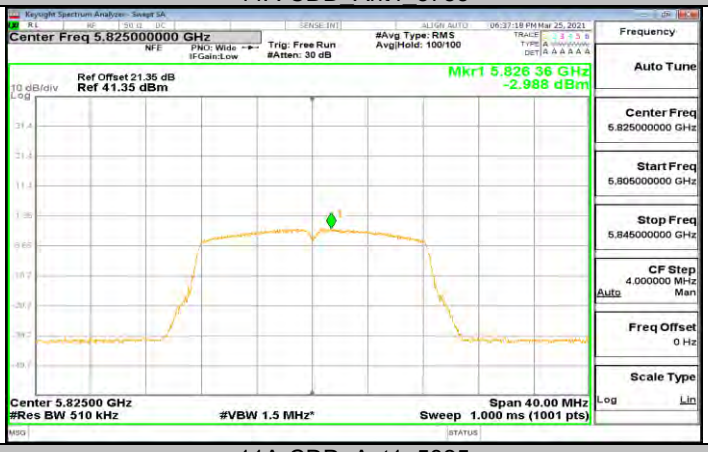

11A-CDD_Ant1_5825

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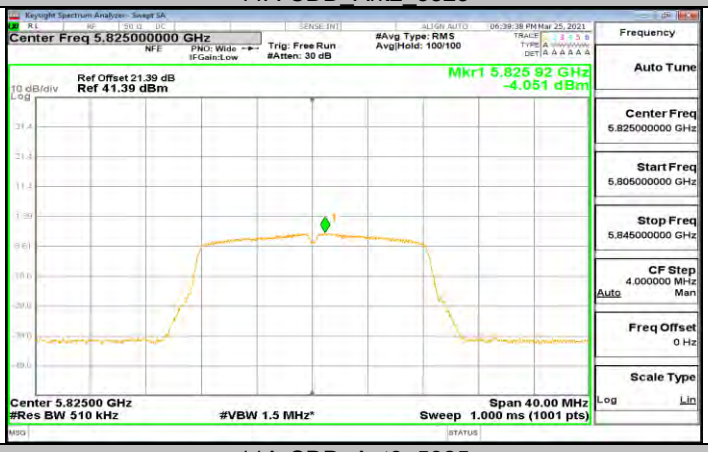

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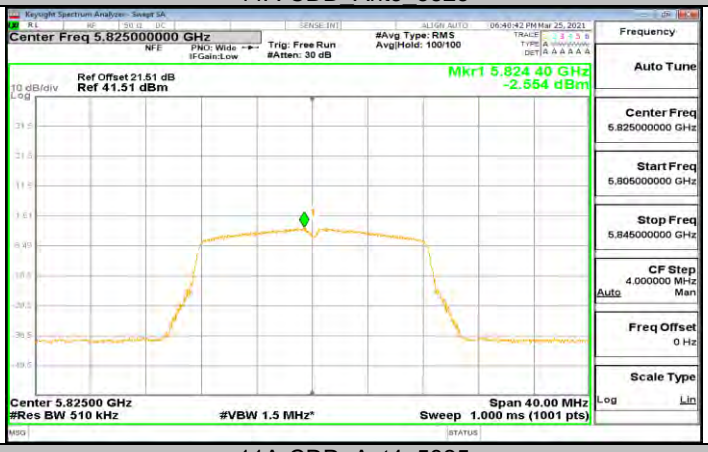

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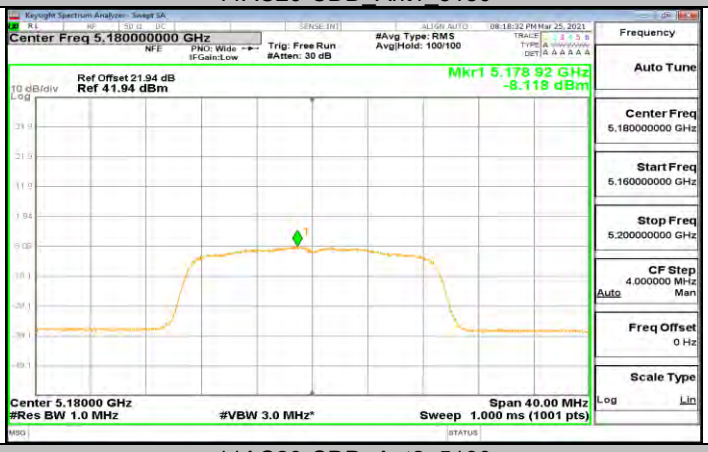
11AC20-CDD_Ant1_5180



11AC20-CDD_Ant2_5180

11AC20-CDD_Ant3_5180

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11AC20-CDD_Ant4_5180

11AC20-CDD_Ant1_5200

11AC20-CDD_Ant2_5200

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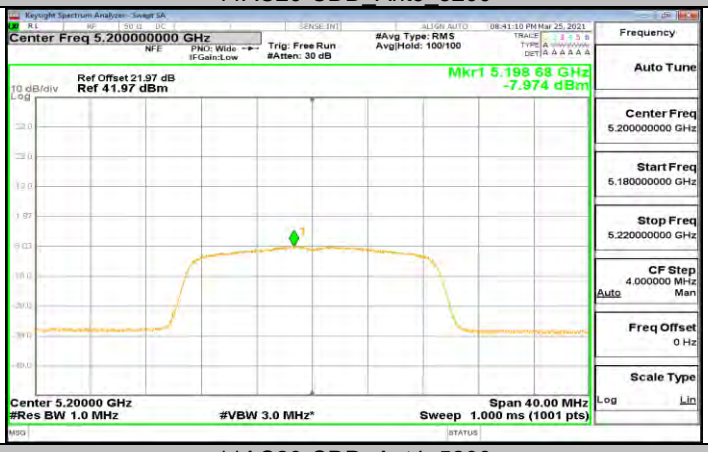

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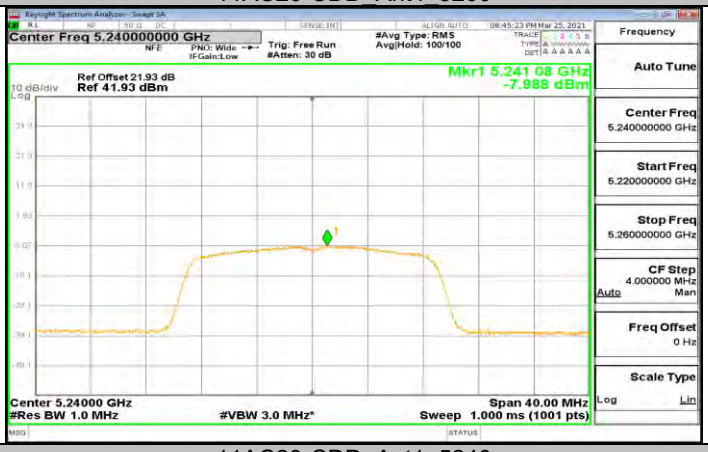

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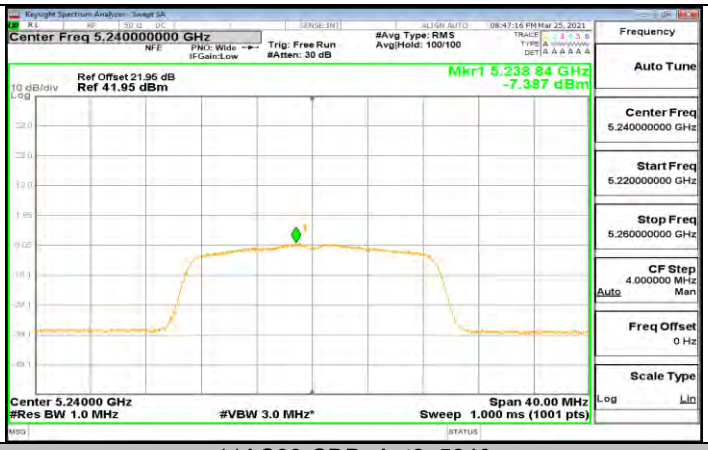

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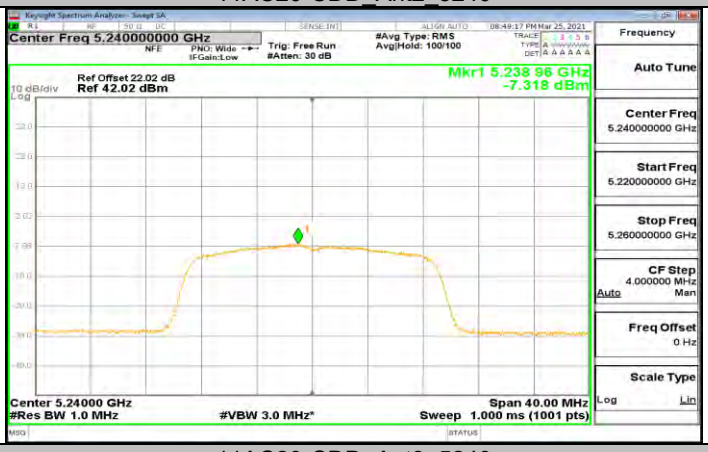

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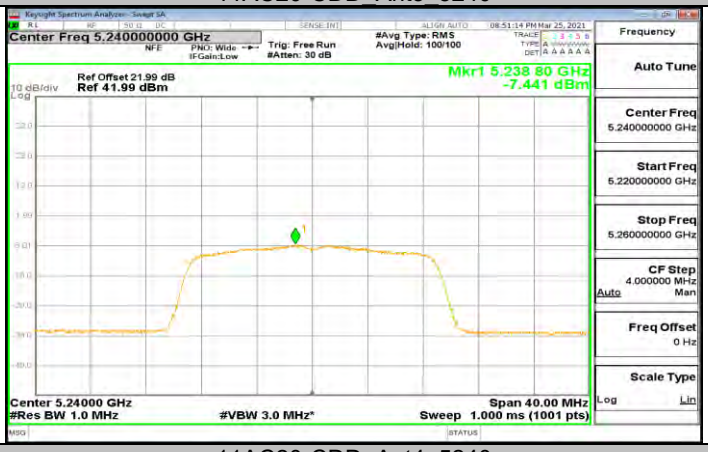

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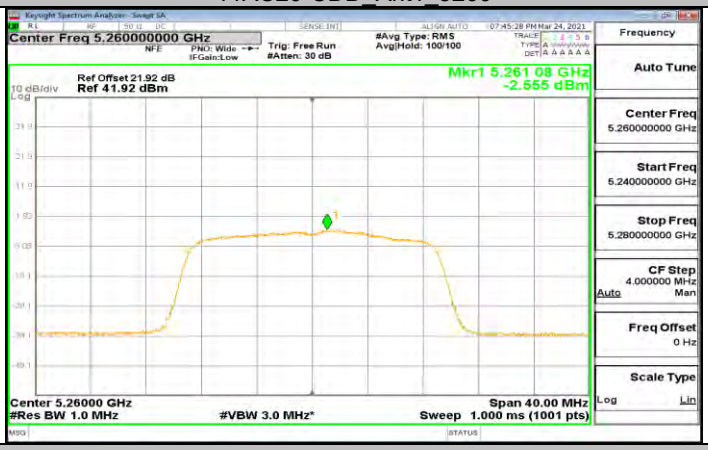

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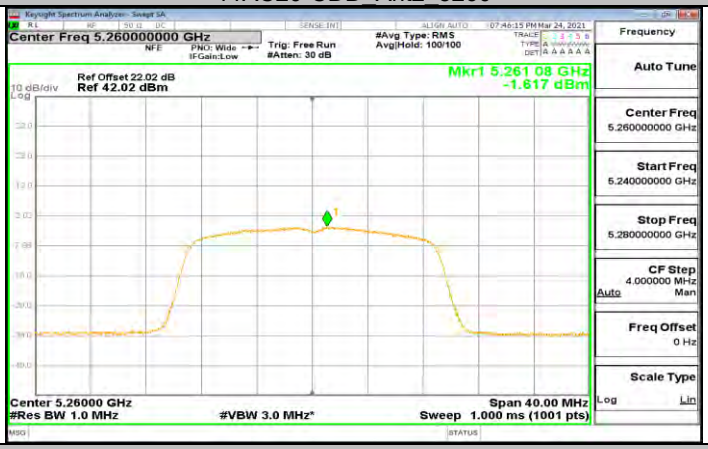

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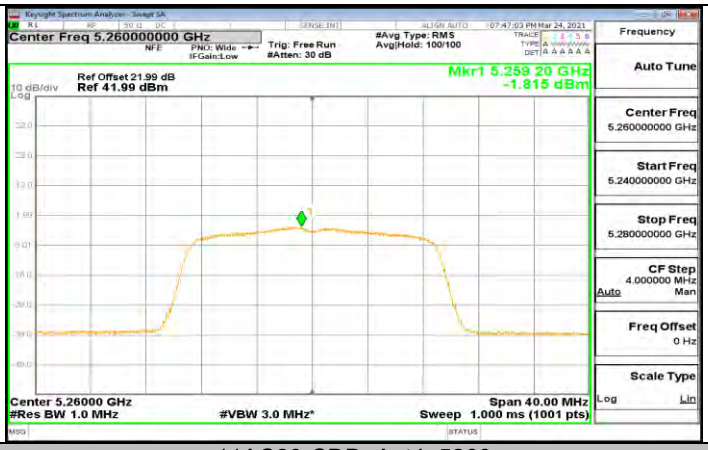

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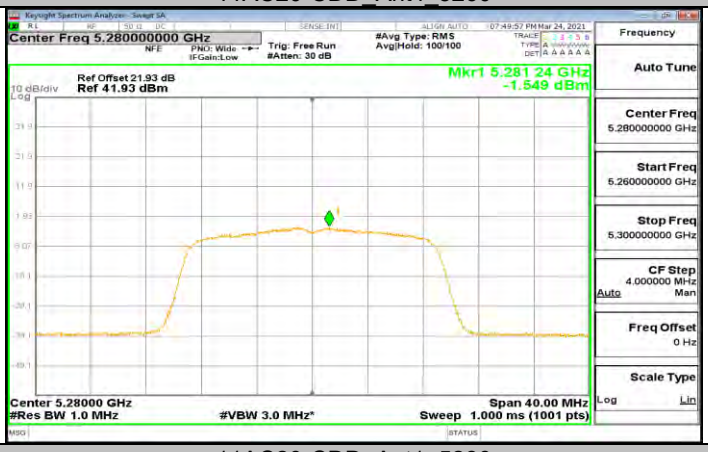

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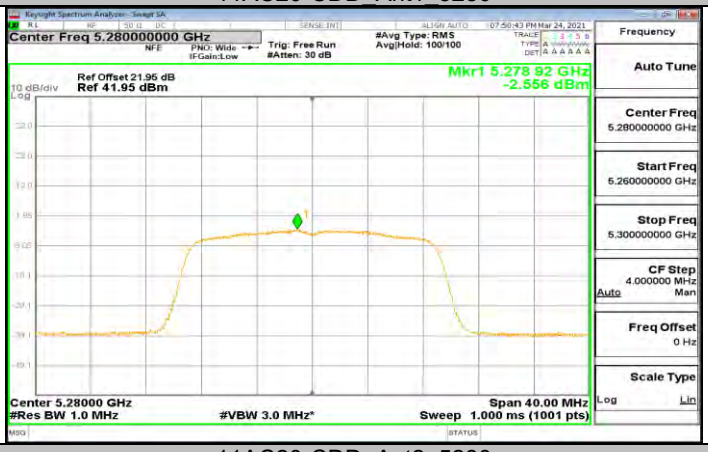

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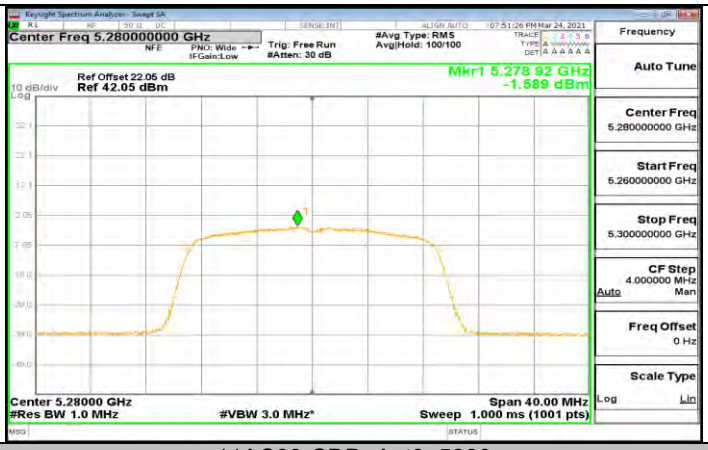

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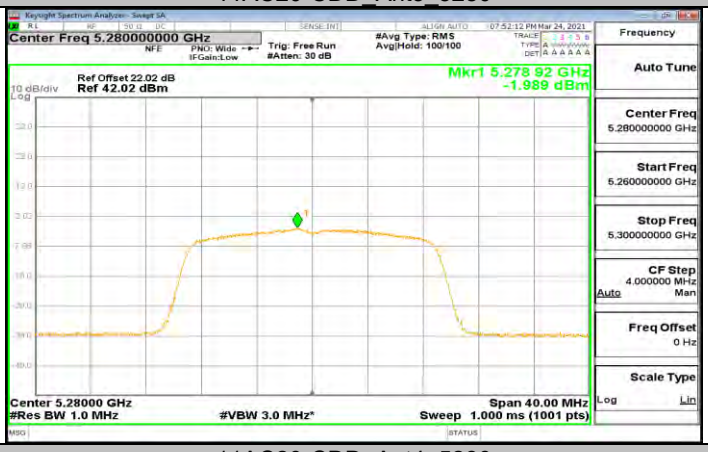

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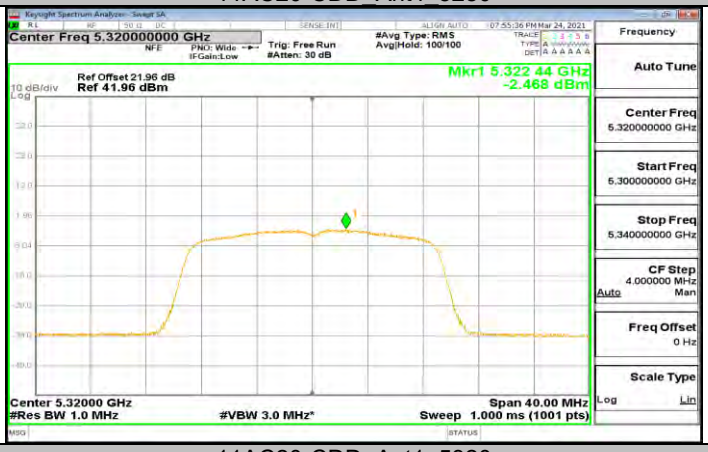

11AC20-CDD_Ant1_5320

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11AC20-CDD_Ant4_5320

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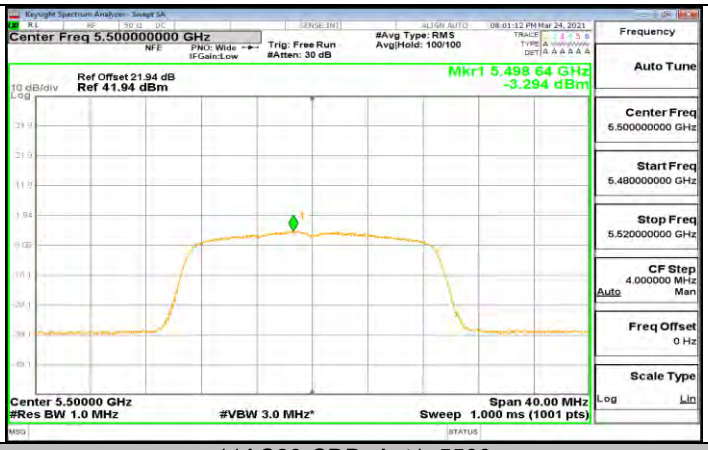

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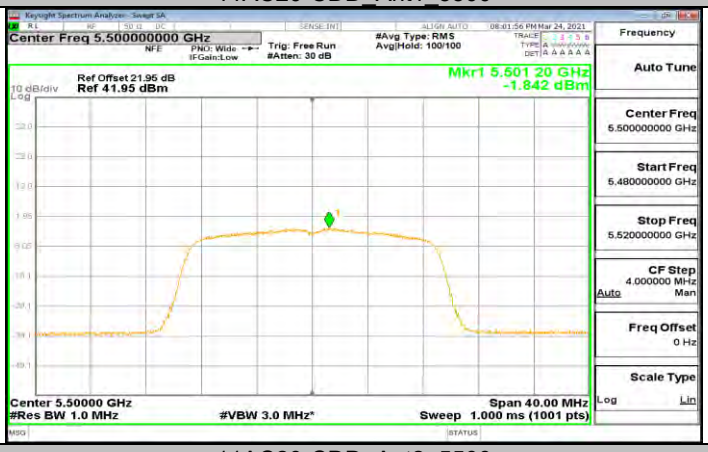

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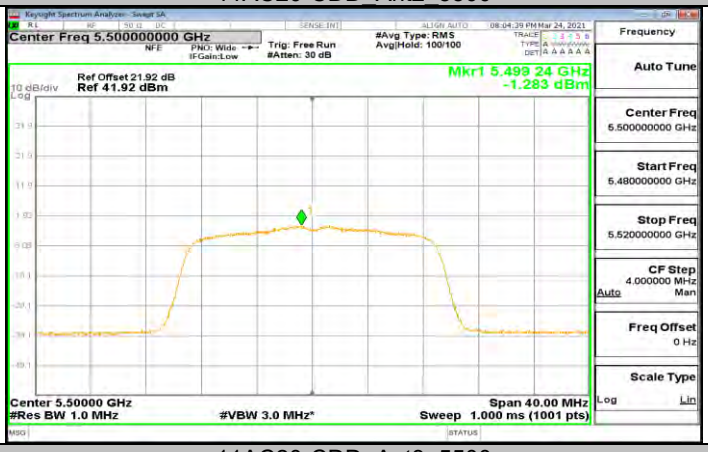

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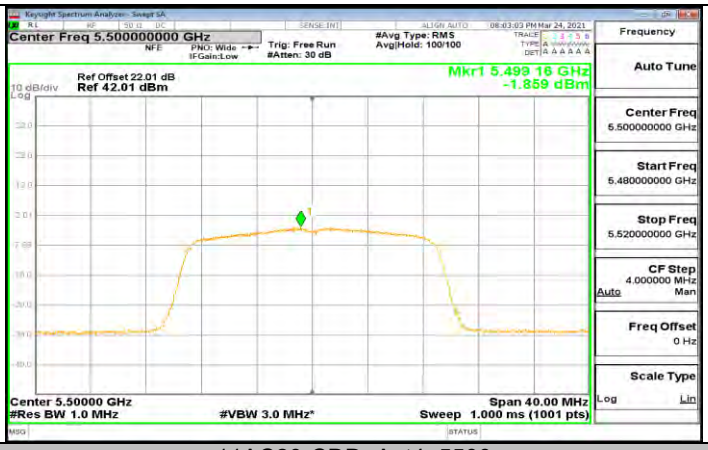

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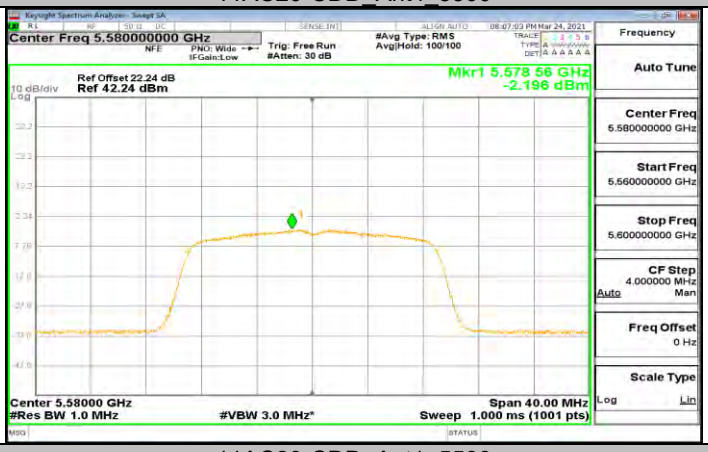

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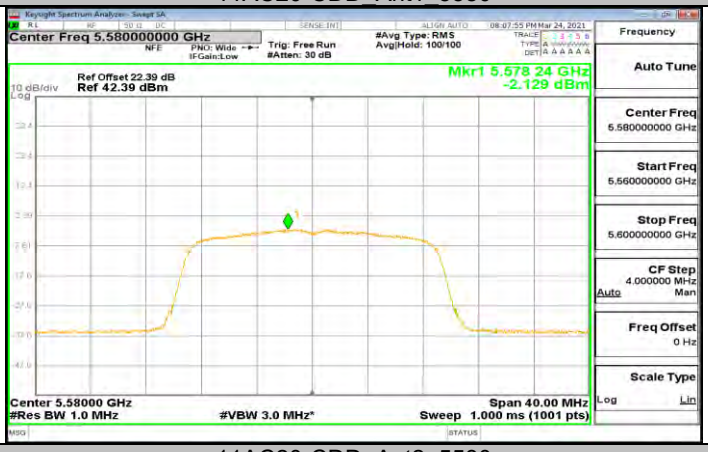

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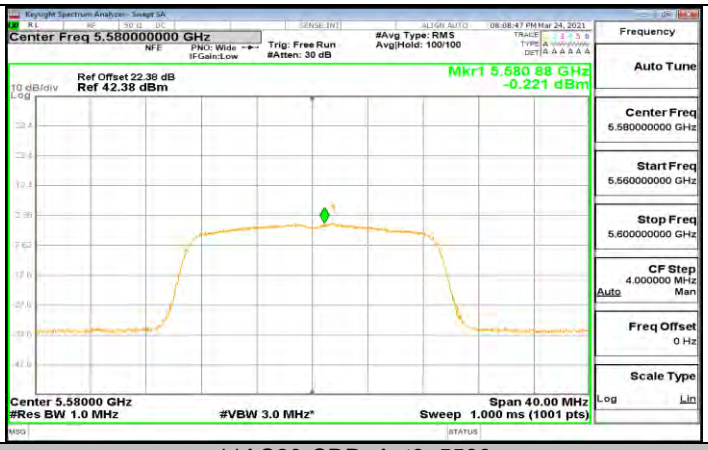

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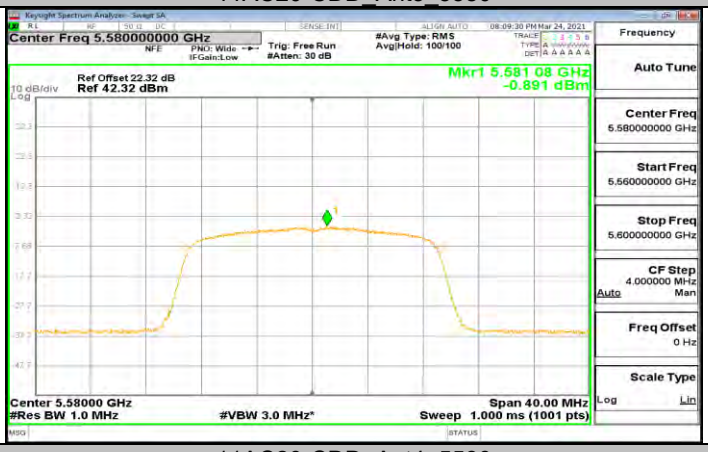

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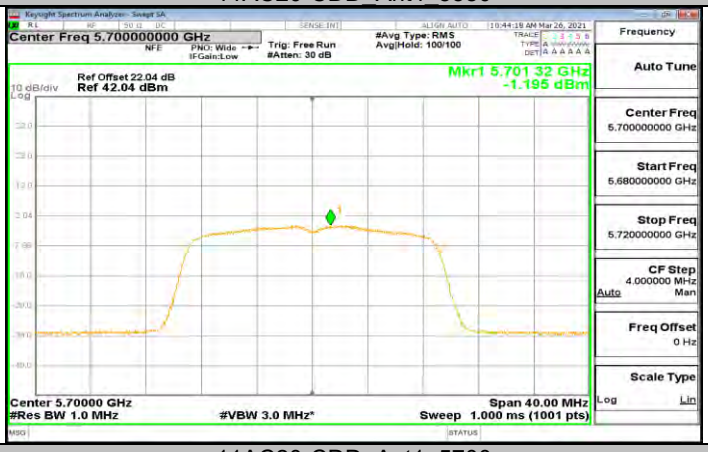

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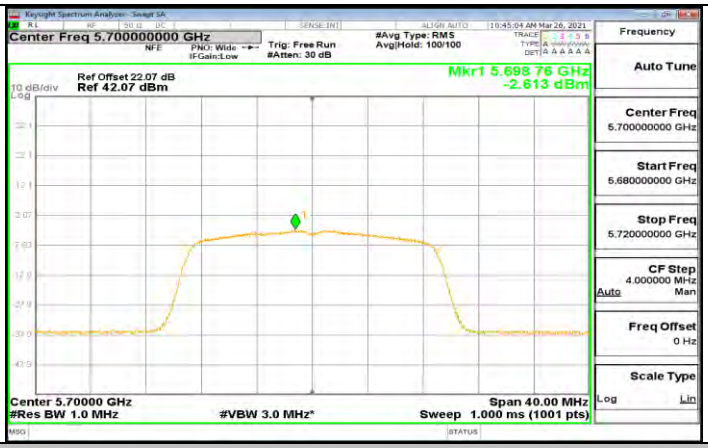

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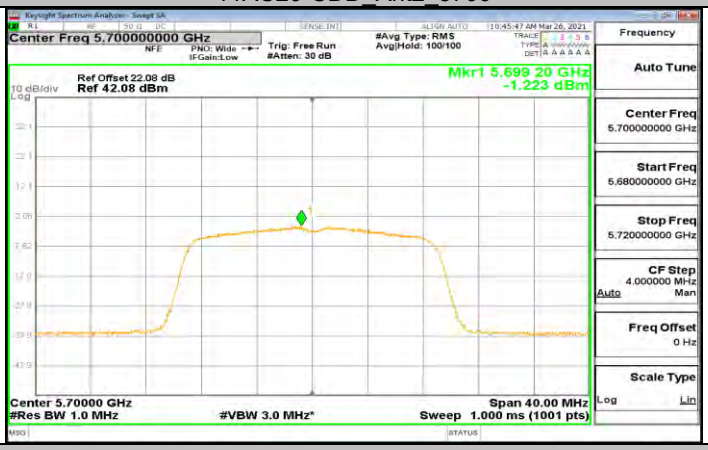

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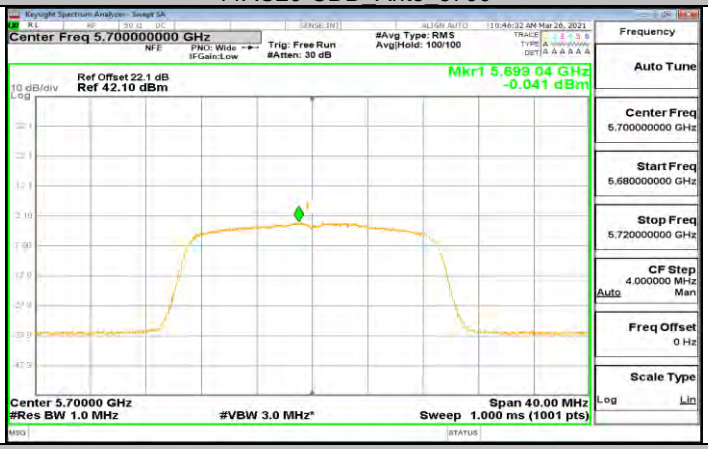

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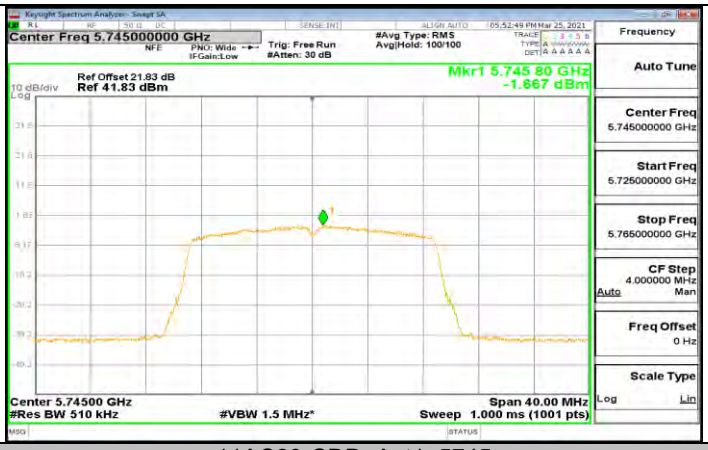

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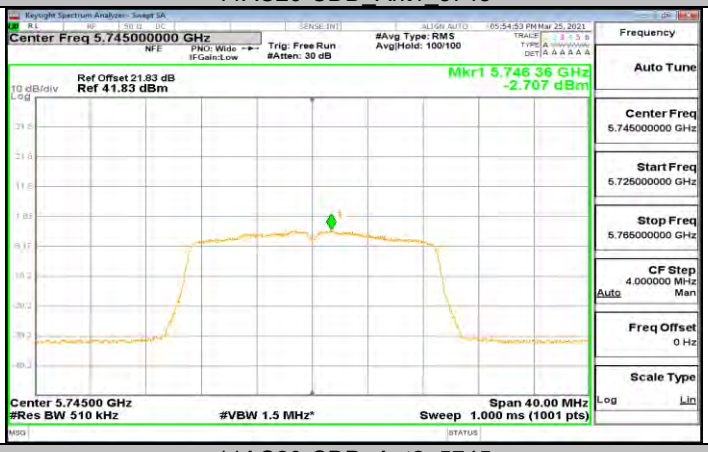

11AC20-CDD_Ant2_5745

11AC20-CDD_Ant3_5745

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11AC20-CDD_Ant4_5745

11AC20-CDD_Ant1_5785

11AC20-CDD_Ant2_5785

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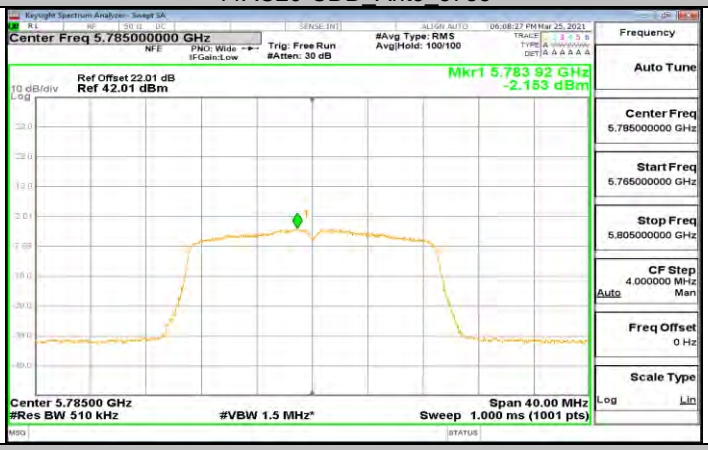

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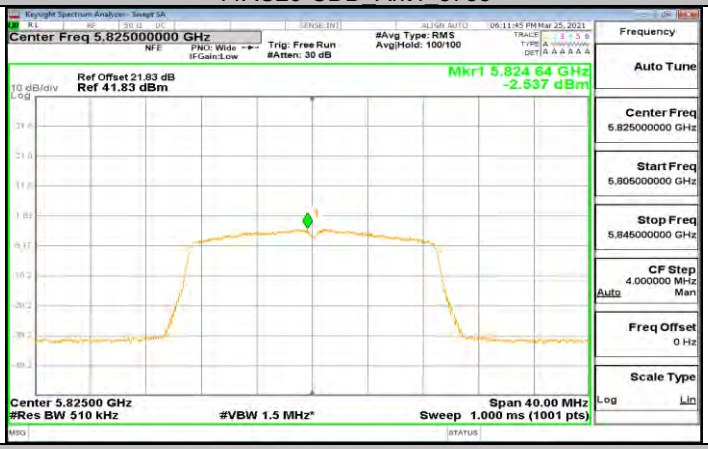

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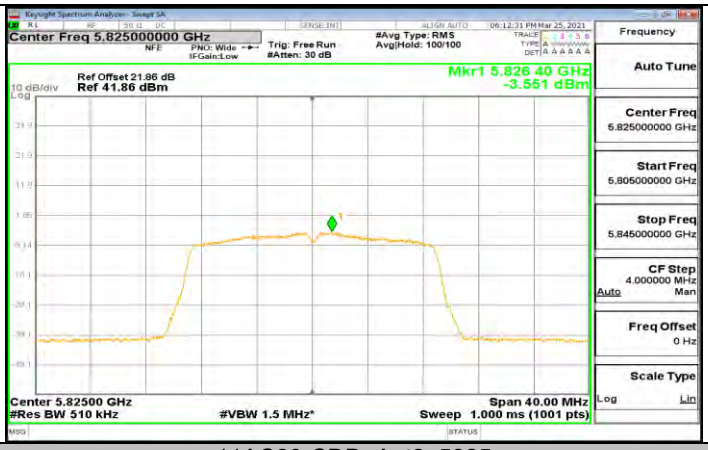

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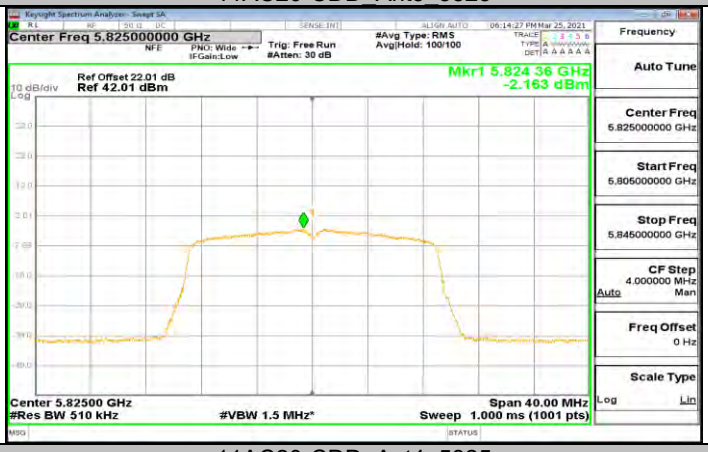
11AC20-CDD_Ant3_5825



11AC20-CDD_Ant4_5825

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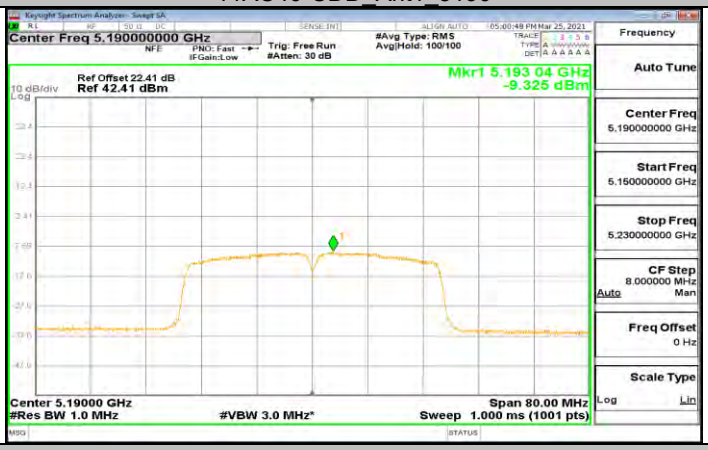
11AC40-CDD_Ant1_5190



11AC40-CDD_Ant2_5190

11AC40-CDD_Ant3_5190

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11AC40-CDD_Ant4_5190

11AC40-CDD_Ant1_5230

11AC40-CDD_Ant2_5230

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11AC40-CDD_Ant3_5230

11AC40-CDD_Ant4_5230

11AC40-CDD_Ant1_5270

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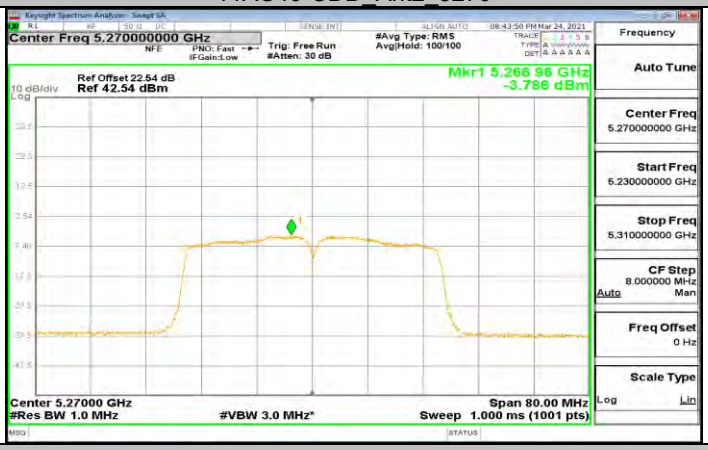
11AC40-CDD_Ant2_5270



11AC40-CDD_Ant3_5270

11AC40-CDD_Ant4_5270

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11AC40-CDD_Ant1_5310

11AC40-CDD_Ant2_5310

11AC40-CDD_Ant3_5310

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11AC40-CDD_Ant4_5310

11AC40-CDD_Ant1_5510

11AC40-CDD_Ant2_5510

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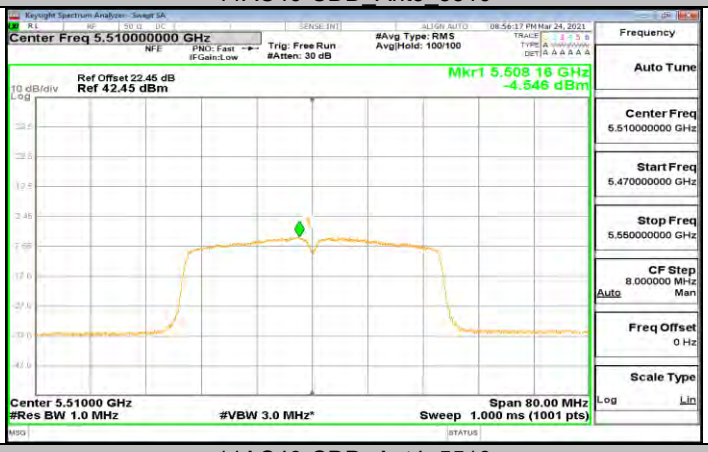

11AC40-CDD_Ant4_5510

11AC40-CDD_Ant1_5550

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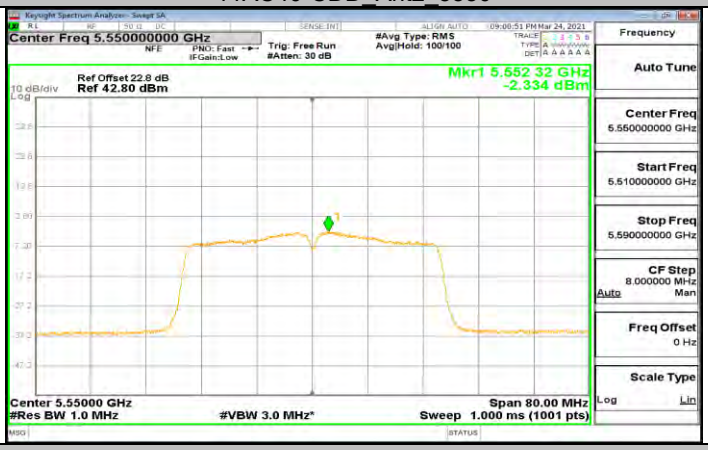
11AC40-CDD_Ant2_5550



11AC40-CDD_Ant3_5550

11AC40-CDD_Ant4_5550

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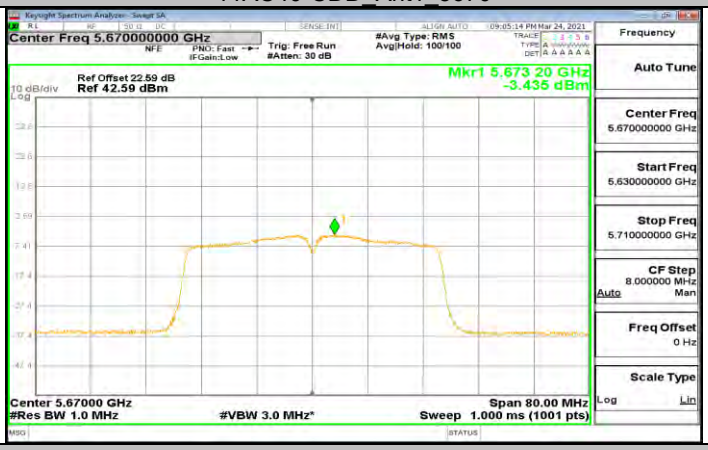
11AC40-CDD_Ant1_5670



11AC40-CDD_Ant2_5670

11AC40-CDD_Ant3_5670

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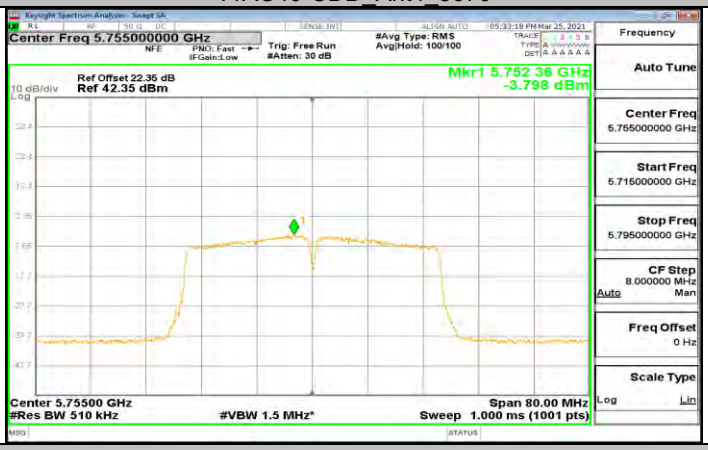

11AC40-CDD_Ant1_5755

11AC40-CDD_Ant2_5755

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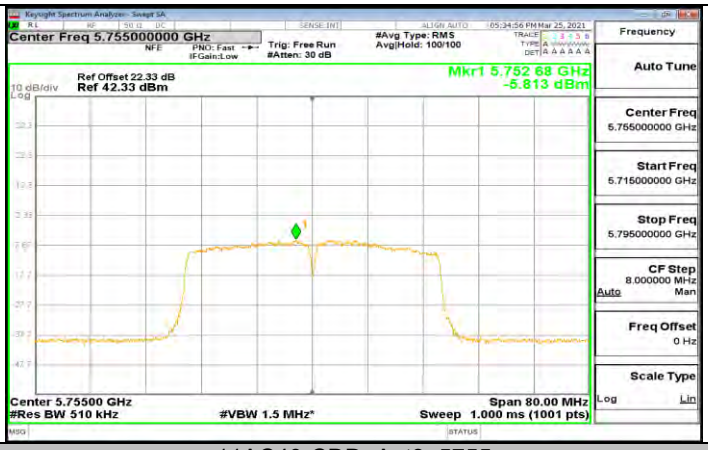

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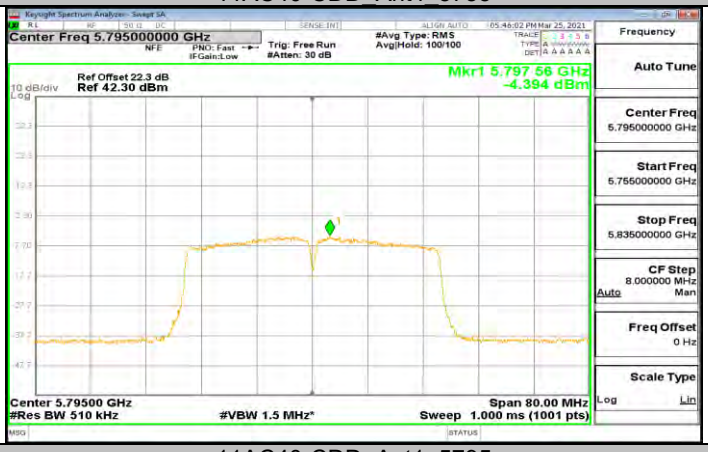
11AC40-CDD_Ant4_5755



11AC40-CDD_Ant1_5795

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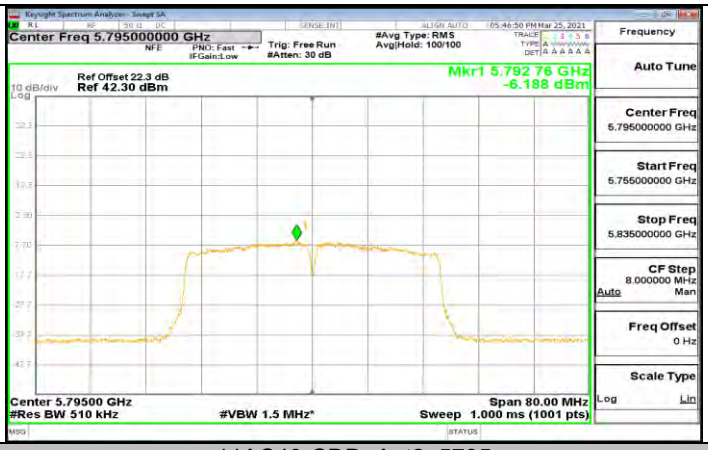

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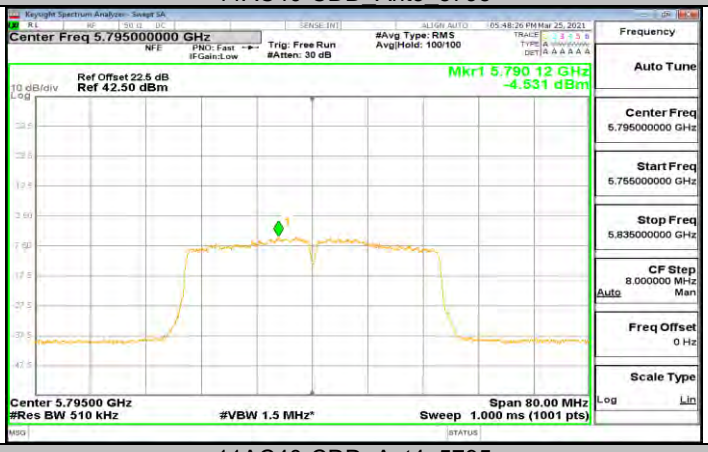
11AC40-CDD_Ant3_5795



11AC40-CDD_Ant4_5795

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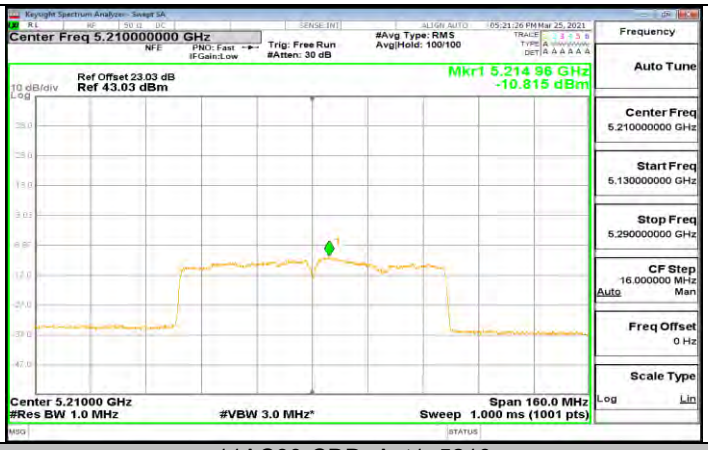

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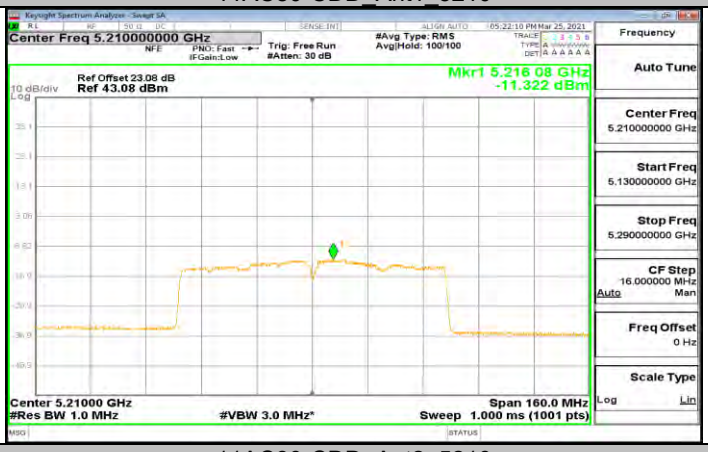

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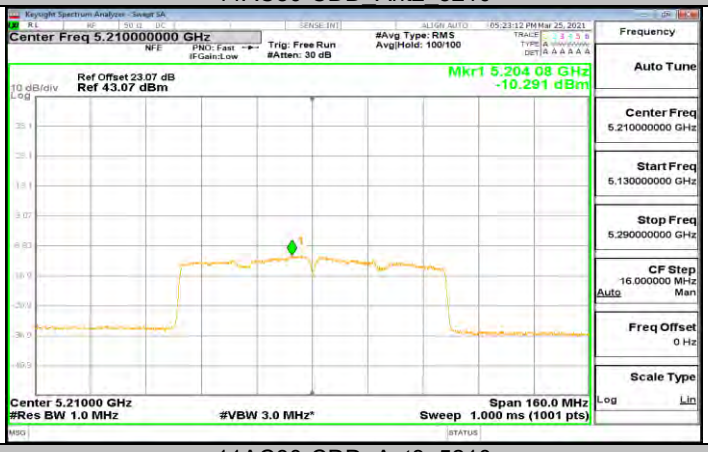

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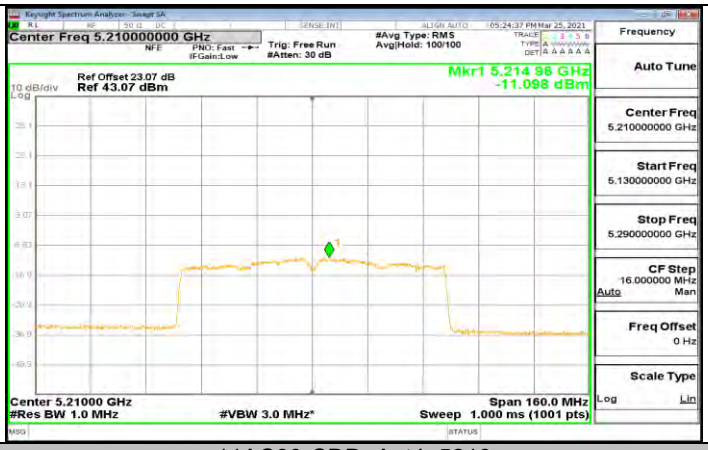

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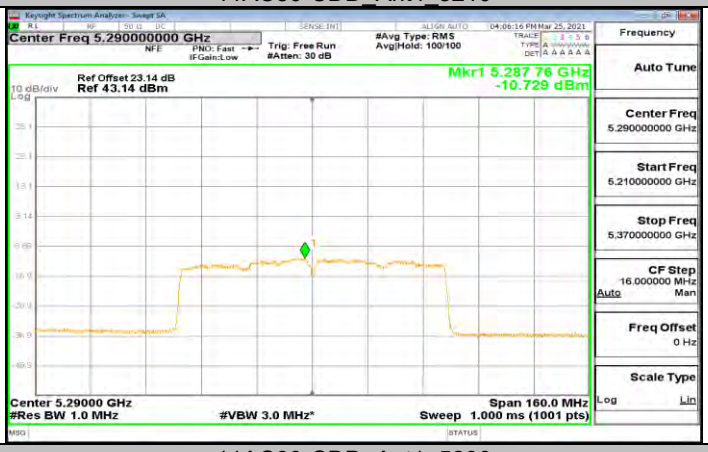

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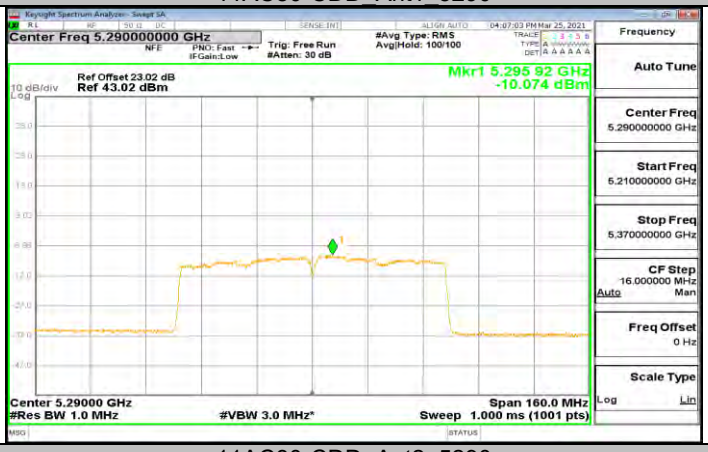

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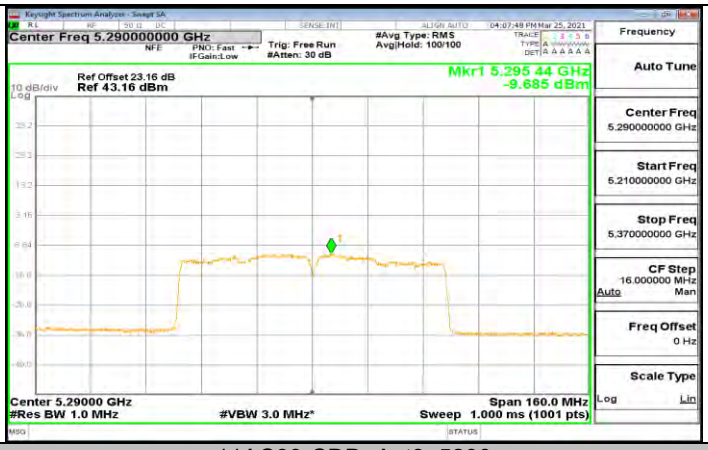

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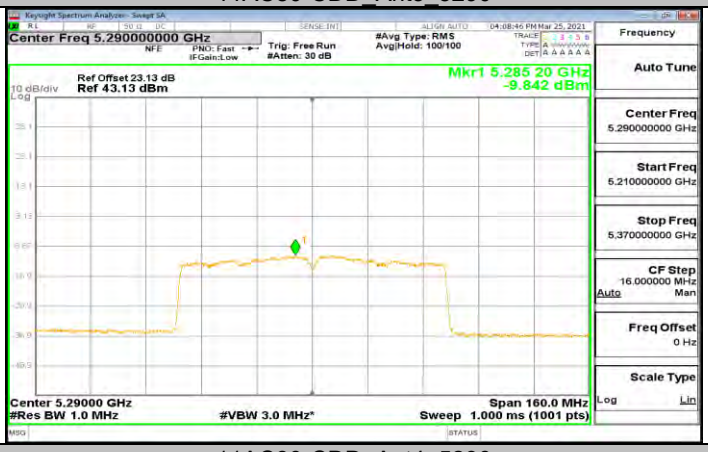

11AC80-CDD_Ant4_5290

11AC80-CDD_Ant1_5530

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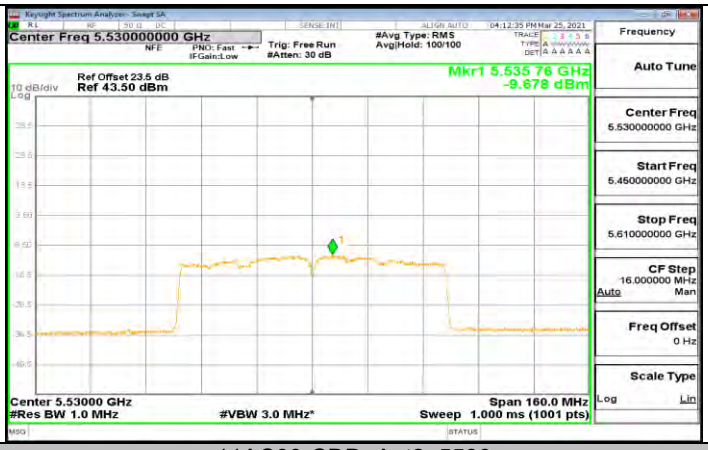

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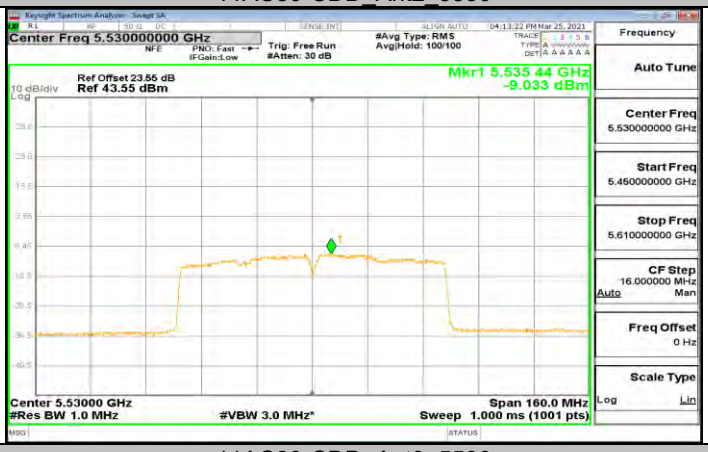

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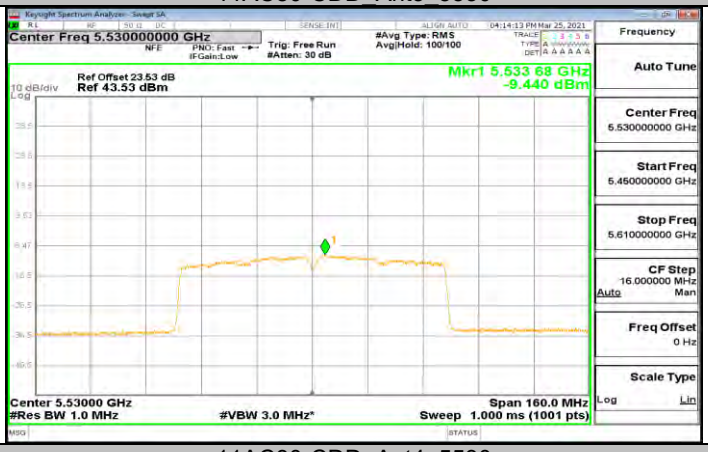

11AC80-CDD_Ant4_5530

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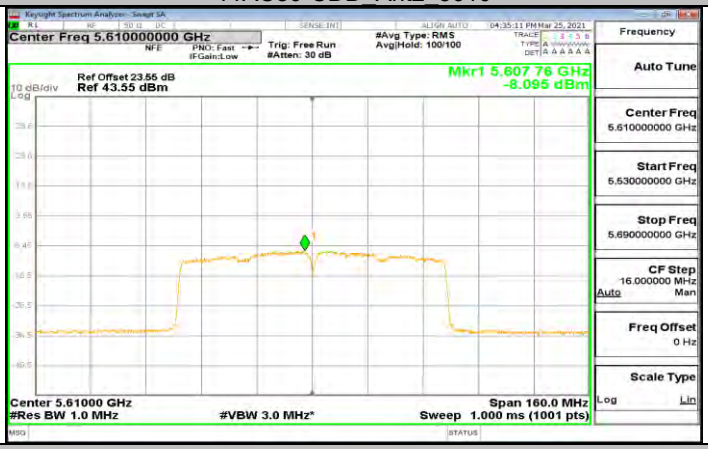
11AC80-CDD_Ant1_5610

11AC80-CDD_Ant2_5610



11AC80-CDD_Ant3_5610

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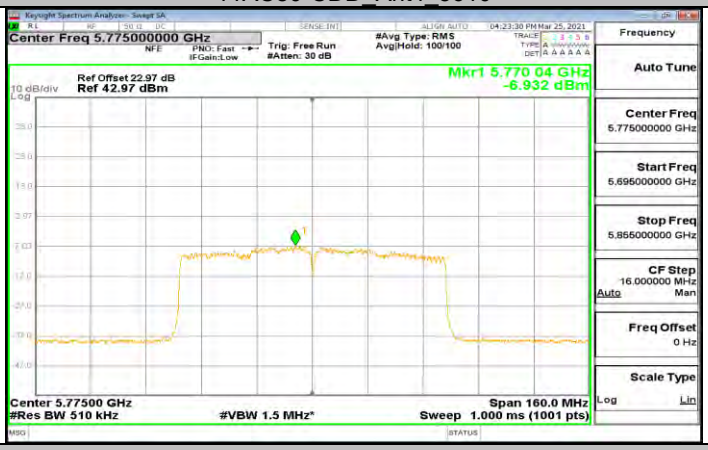

11AC80-CDD_Ant1_5775

11AC80-CDD_Ant2_5775

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11AC80-CDD_Ant3_5775

11AC80-CDD_Ant4_5775

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Appendix D: Duty Cycle
Test Result

Mode	Antenna	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A-CDD	ANT1	1.39	1.45	0.9586	95.86	0.18	1.39	1
11AC20-CDD	ANT1	0.37	0.43	0.8605	86.05	0.65	0.37	3
11AC40-CDD	ANT1	0.21	0.26	0.8077	80.77	0.93	0.21	5
11AC80-CDD	ANT1	0.12	0.18	0.6667	66.67	1.76	0.12	10

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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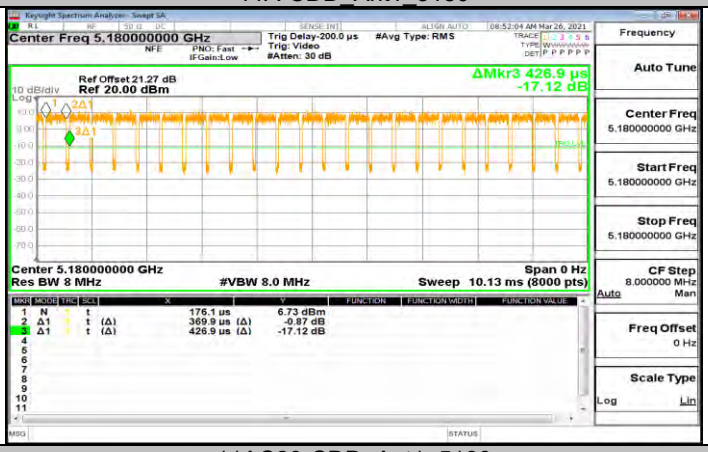
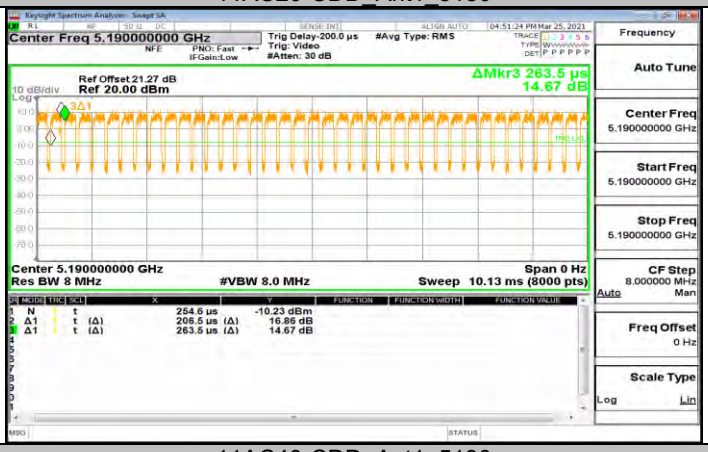
Test Graphs

11A-CDD_Ant1_5180



11AC20-CDD_Ant1_5180



11AC40-CDD_Ant1_5190

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11AC80-CDD_Ant1_5210

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Appendix E: Frequency Stability

Test Result

Frequency Error vs. Voltage									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
T_N	V_L	5200.0024	0.46	5199.9831	-3.24	5200.0072	1.39	5199.9847	-2.94
T_N	V_N	5199.9980	-0.39	5200.0218	4.20	5199.9810	-3.66	5199.9844	-3.00
T_N	V_H	5199.9947	-1.02	5199.9866	-2.58	5199.9759	-4.63	5200.0030	0.58
Frequency Error vs. Temperature									
802.11a: 5200 MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
40	V_N	5200.0204	3.91	5199.9850	-2.89	5199.9870	-2.50	5200.0228	4.39
30	V_N	5199.9760	-4.62	5199.9822	-3.42	5199.9879	-2.33	5200.0144	2.77
20	V_N	5199.9800	-3.84	5199.9979	-0.41	5200.0045	0.86	5200.0169	3.24
10	V_N	5199.9888	-2.16	5200.0007	0.13	5199.9953	-0.90	5200.0171	3.30
0	V_N	5199.9859	-2.71	5199.9861	-2.66	5200.0223	4.28	5199.9913	-1.66

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Frequency Error vs. Voltage									
802.11a: 5825 MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
T_N	V_L	5825.0044	0.76	5825.0236	4.05	5824.9929	-1.21	5825.0182	3.12
T_N	V_N	5825.0206	3.54	5825.0187	3.20	5824.9881	-2.04	5824.9772	-3.92
T_N	V_H	5825.0011	0.19	5825.0172	2.96	5824.9860	-2.40	5824.9840	-2.75
Frequency Error vs. Temperature									
802.11a:5825MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
40	V_N	5824.9936	-1.10	5825.0032	0.55	5825.0195	3.34	5825.0063	1.08
30	V_N	5824.9756	-4.19	5824.9886	-1.95	5824.9764	-4.04	5824.9758	-4.15
20	V_N	5824.9977	-0.39	5825.0145	2.50	5825.0044	0.75	5824.9817	-3.14
10	V_N	5824.9791	-3.59	5824.9972	-0.48	5824.9936	-1.09	5825.0029	0.51
0	V_N	5825.0101	1.73	5824.9862	-2.36	5824.9834	-2.85	5825.0025	0.42

Note: All the modes have been tested, only the worst data was recorded in the report.

END OF REPORT

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