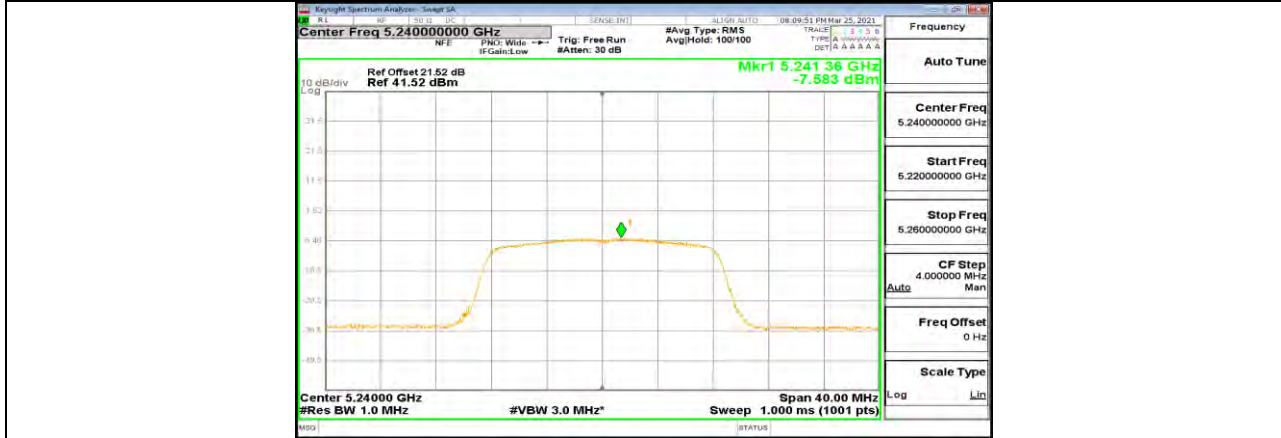




11A-CDD Ant2 5240



11A-CDD Ant3 5240



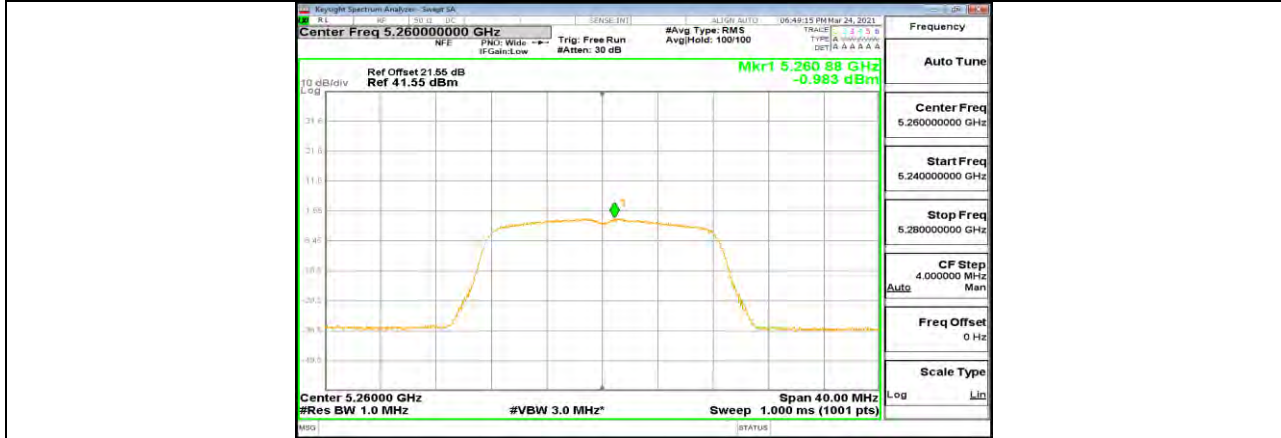
11A-CDD Ant4 5240



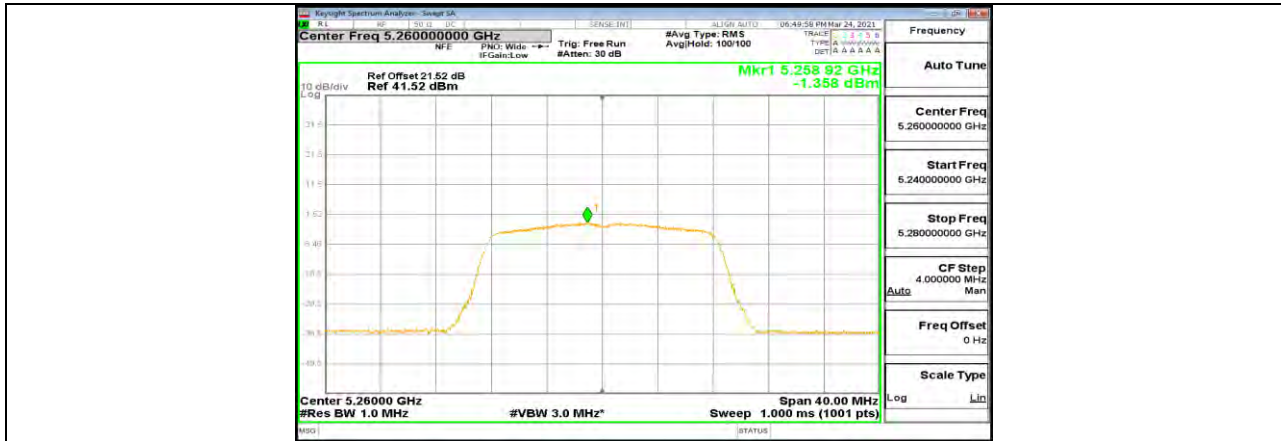
11A-CDD Ant1 5260



11A-CDD Ant2 5260



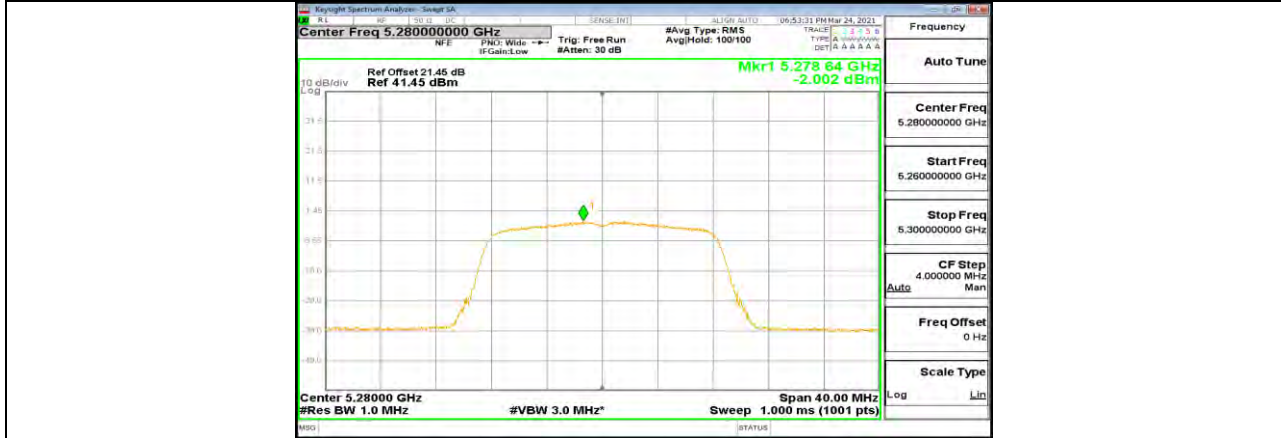
11A-CDD Ant3 5260



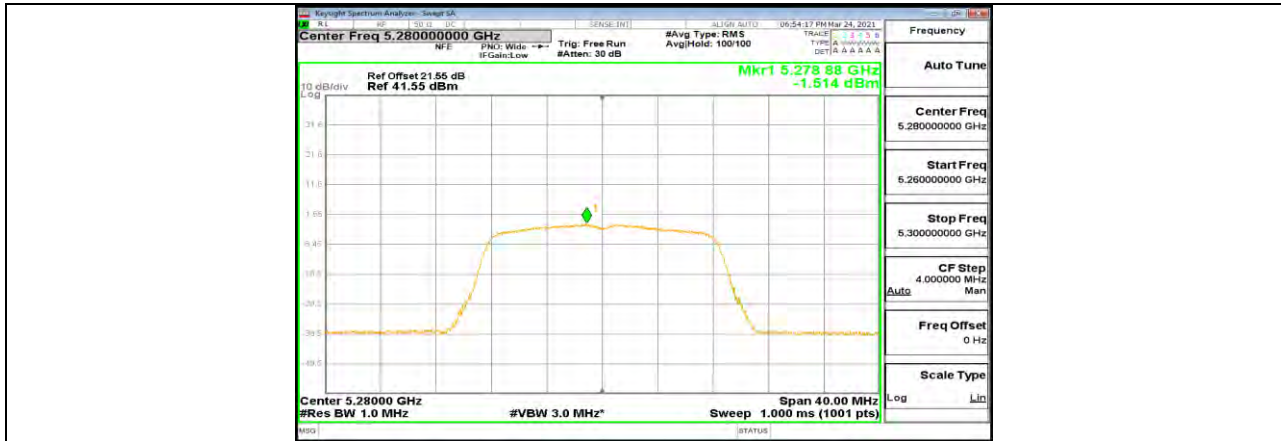
11A-CDD Ant4 5260



11A-CDD Ant1 5280



11A-CDD Ant2 5280



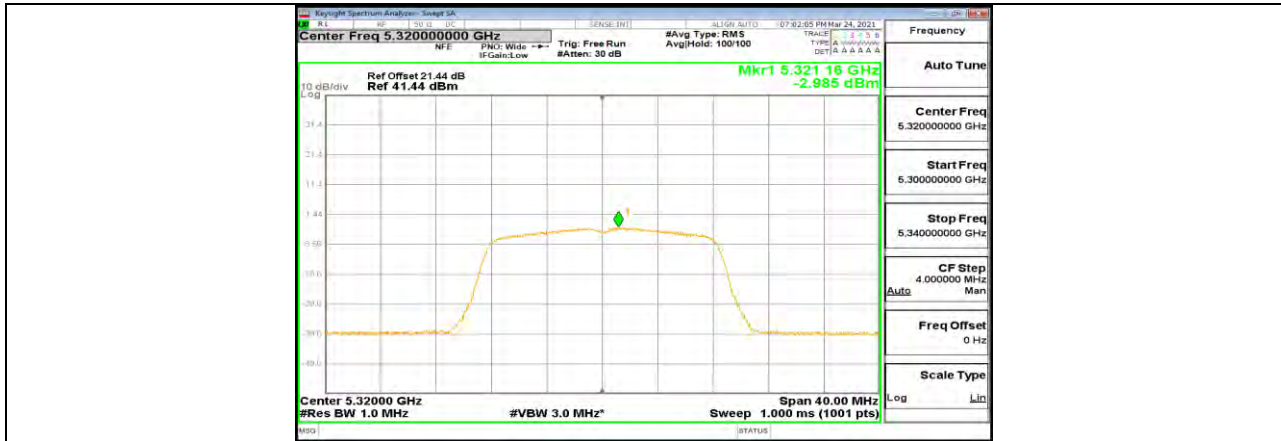
11A-CDD Ant3 5280



11A-CDD Ant4 5280



11A-CDD Ant1 5320



11A-CDD Ant2 5320



11A-CDD Ant3 5320



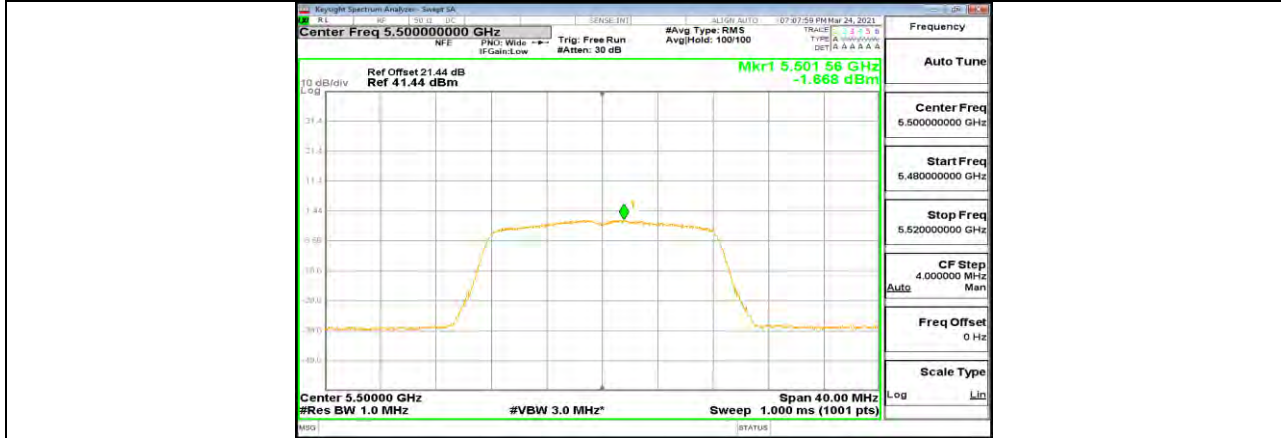
11A-CDD Ant4 5320



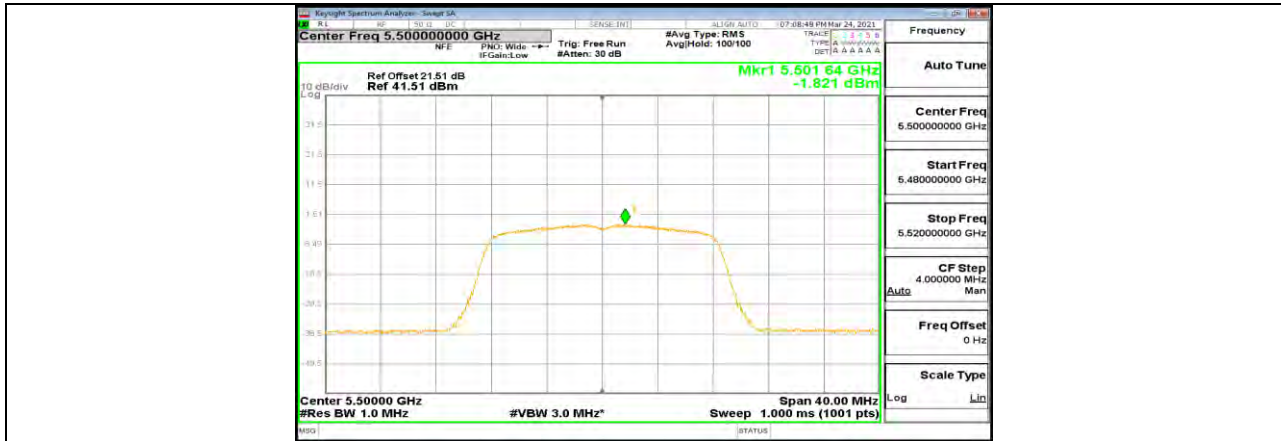
11A-CDD Ant1 5500



11A-CDD Ant2 5500



11A-CDD Ant3 5500



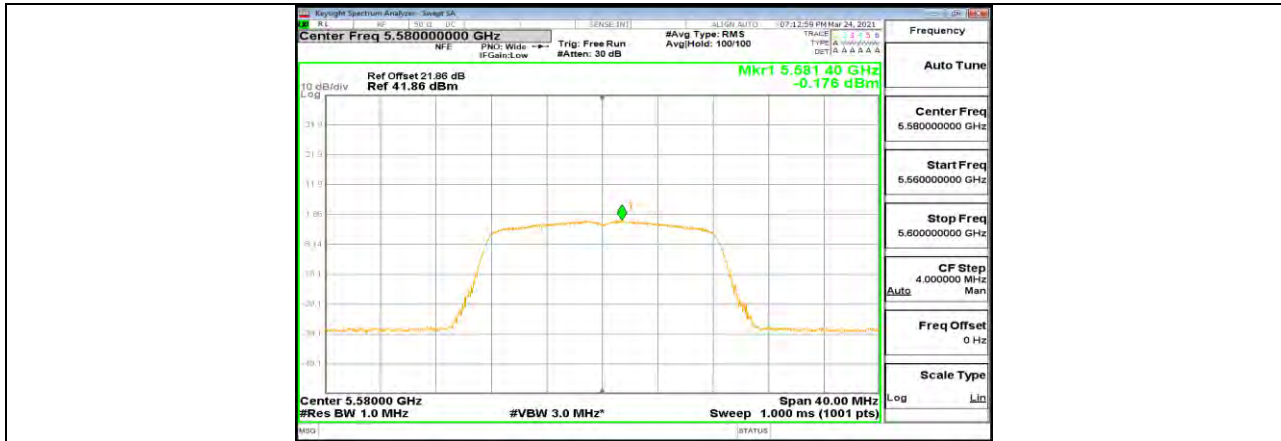
11A-CDD Ant4 5500



11A-CDD Ant1 5580



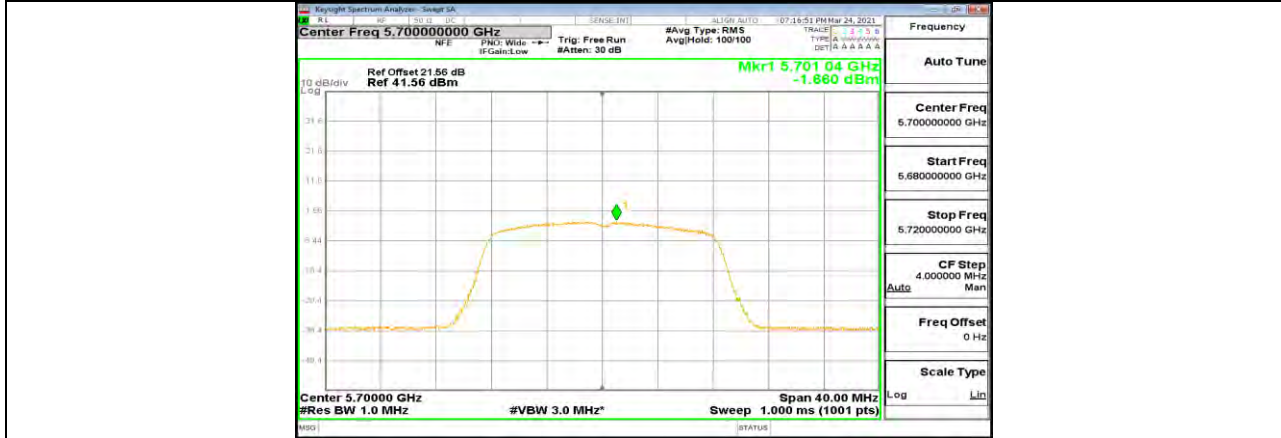
11A-CDD Ant2 5580



11A-CDD Ant3 5580

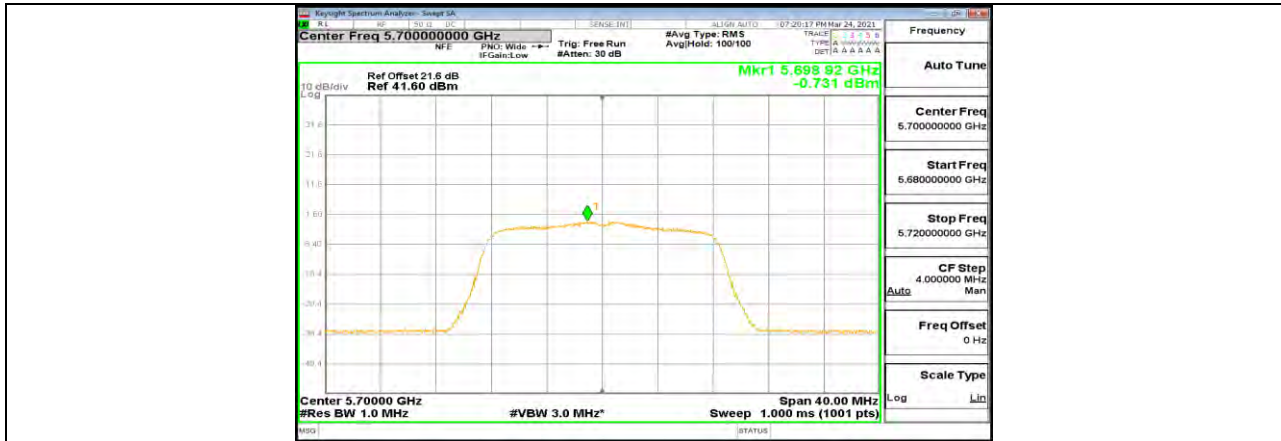


11A-CDD Ant4 5580



11A-CDD Ant1 5700

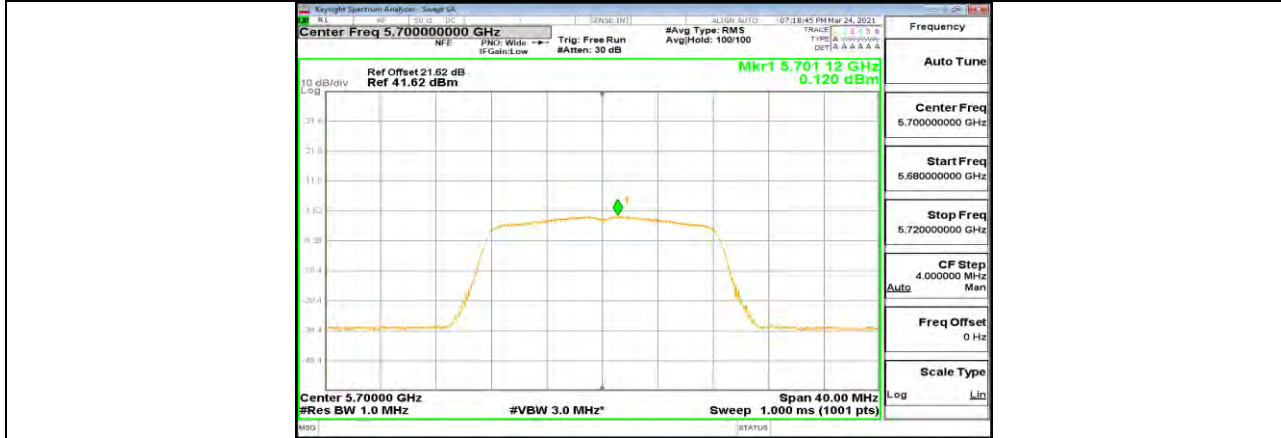




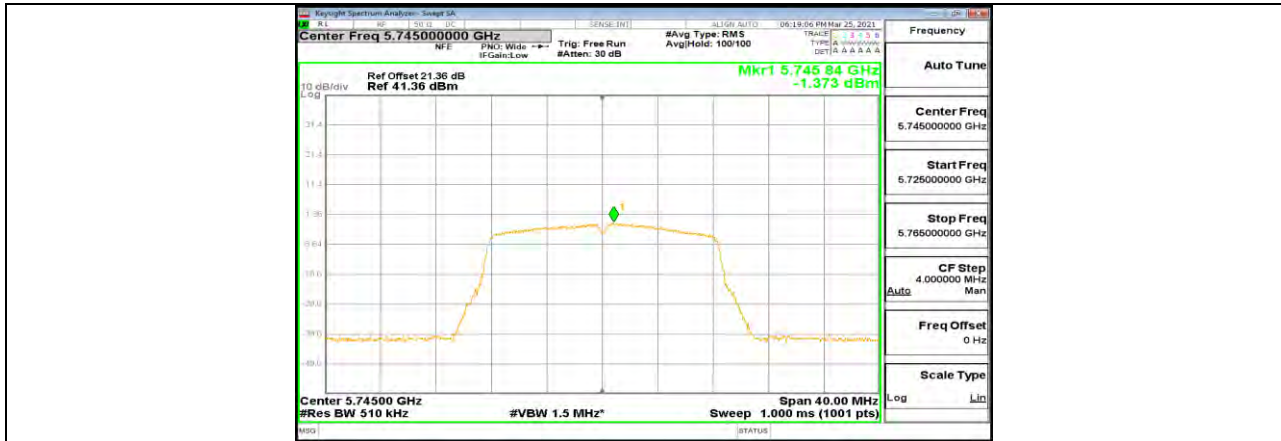
11A-CDD Ant2 5700



11A-CDD Ant3 5700



11A-CDD Ant4 5700



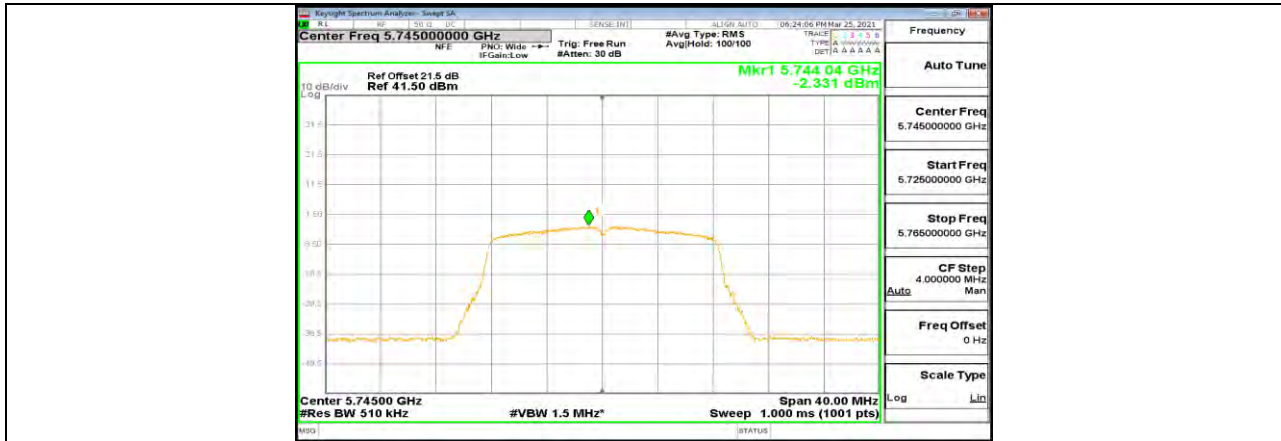
11A-CDD Ant1 5745



11A-CDD Ant2 5745



11A-CDD Ant3 5745



11A-CDD Ant4 5745



11A-CDD Ant1 5785



11A-CDD Ant2 5785



11A-CDD Ant3 5785



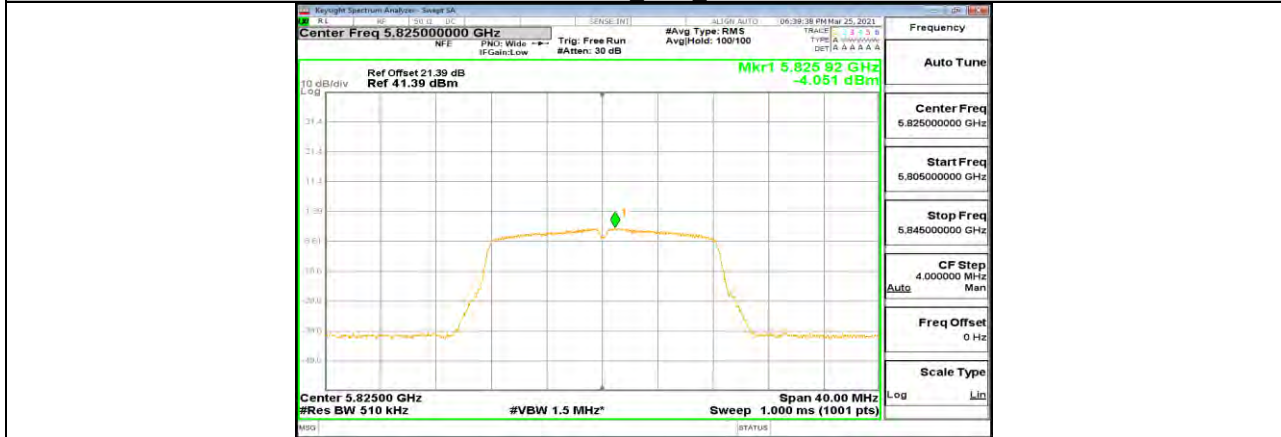
11A-CDD Ant4 5785



11A-CDD Ant1 5825



11A-CDD Ant2 5825



11A-CDD Ant3 5825



11A-CDD Ant4 5825



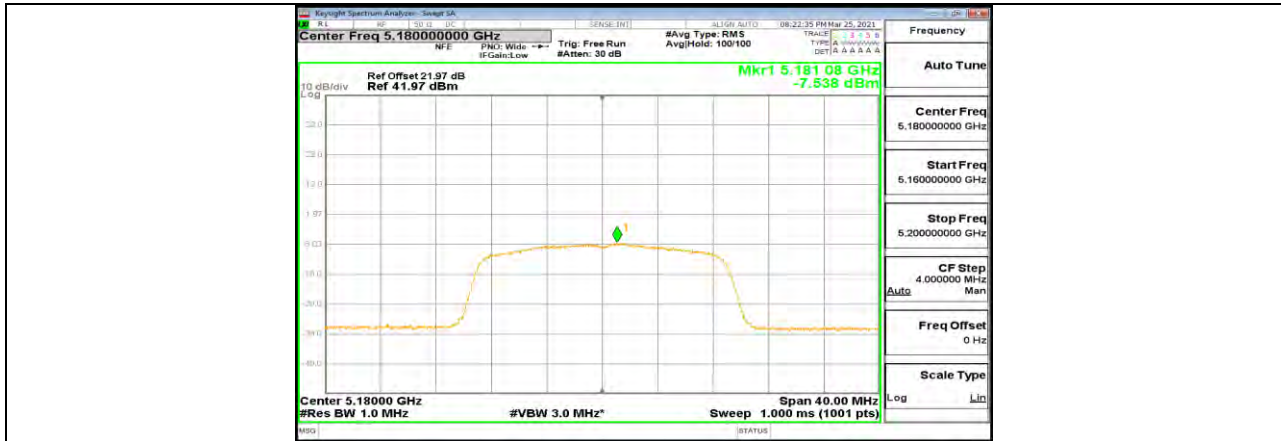
11AC20-CDD Ant1 5180



11AC20-CDD Ant2 5180



11AC20-CDD Ant3 5180



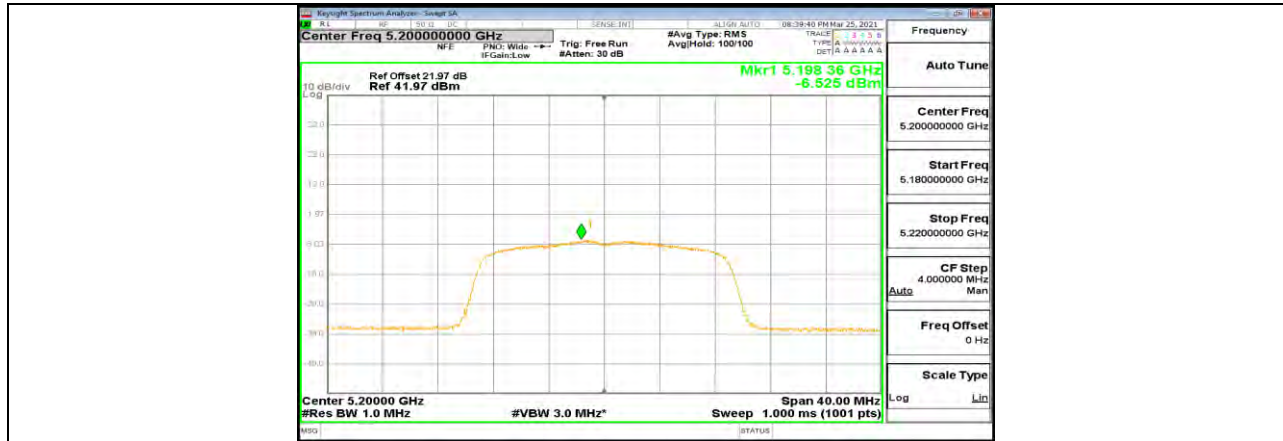
11AC20-CDD Ant4 5180



11AC20-CDD Ant1 5200



11AC20-CDD Ant2 5200



11AC20-CDD Ant3 5200



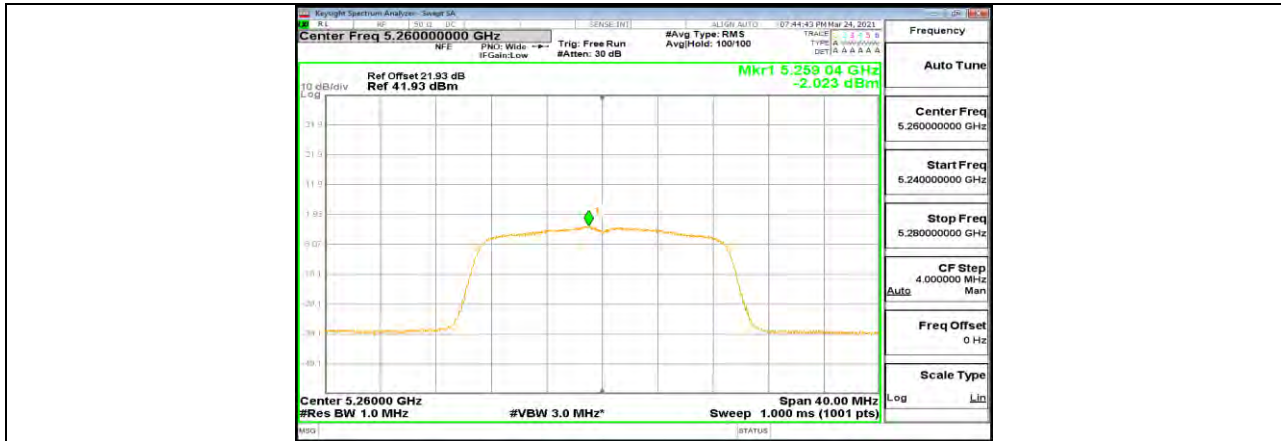
11AC20-CDD Ant4 5200



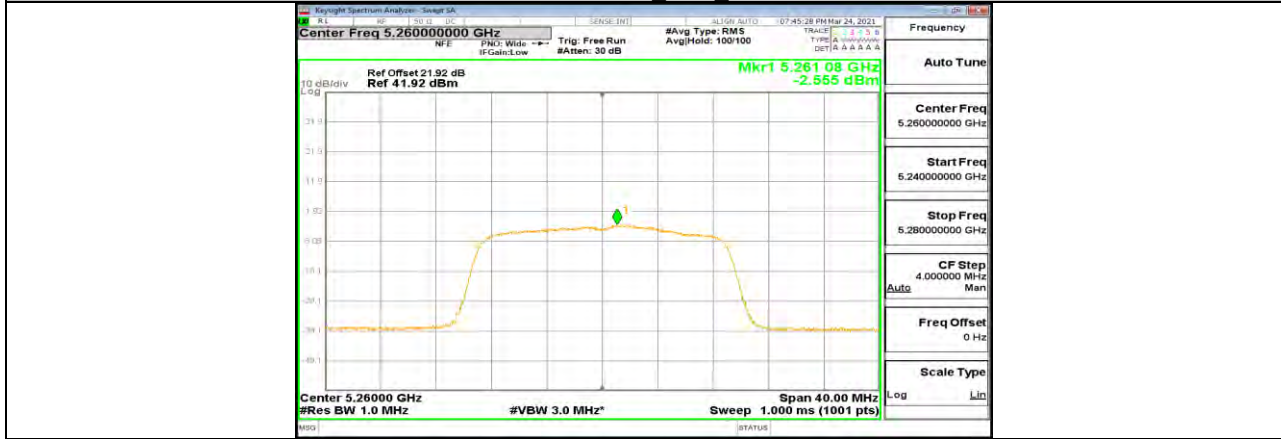
11AC20-CDD Ant1 5240







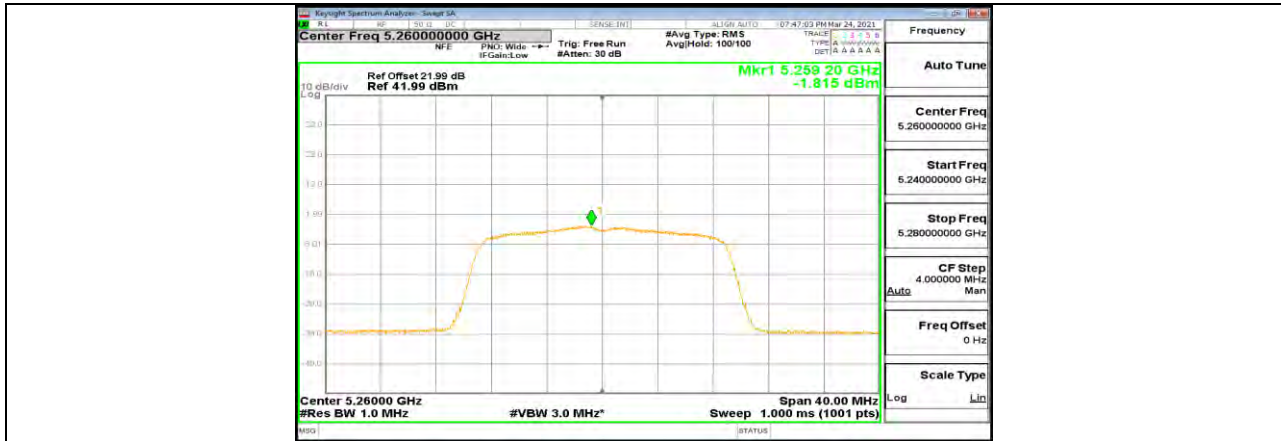
11AC20-CDD Ant1 5260



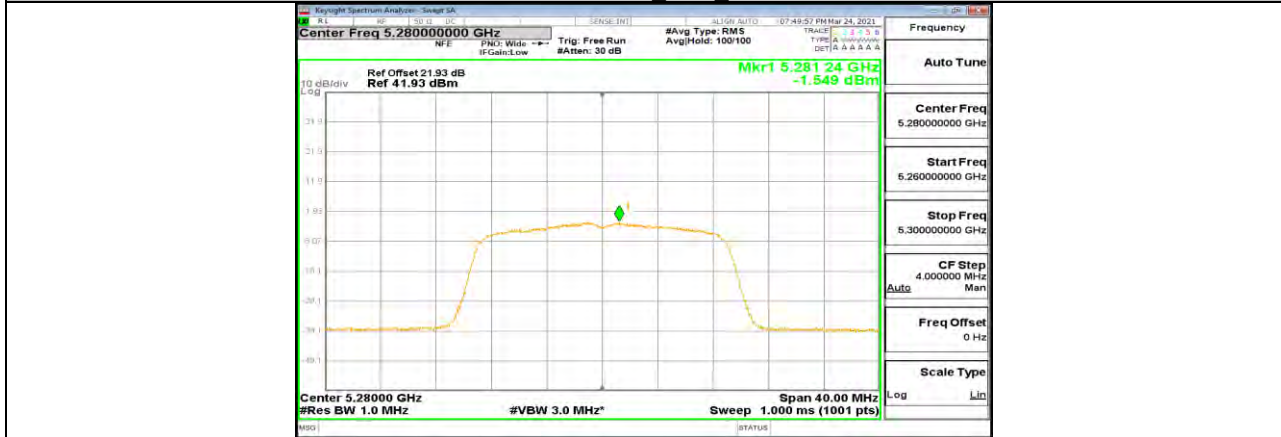
11AC20-CDD Ant2 5260



11AC20-CDD Ant3 5260



11AC20-CDD Ant4 5260



11AC20-CDD Ant1 5280



11AC20-CDD Ant2 5280



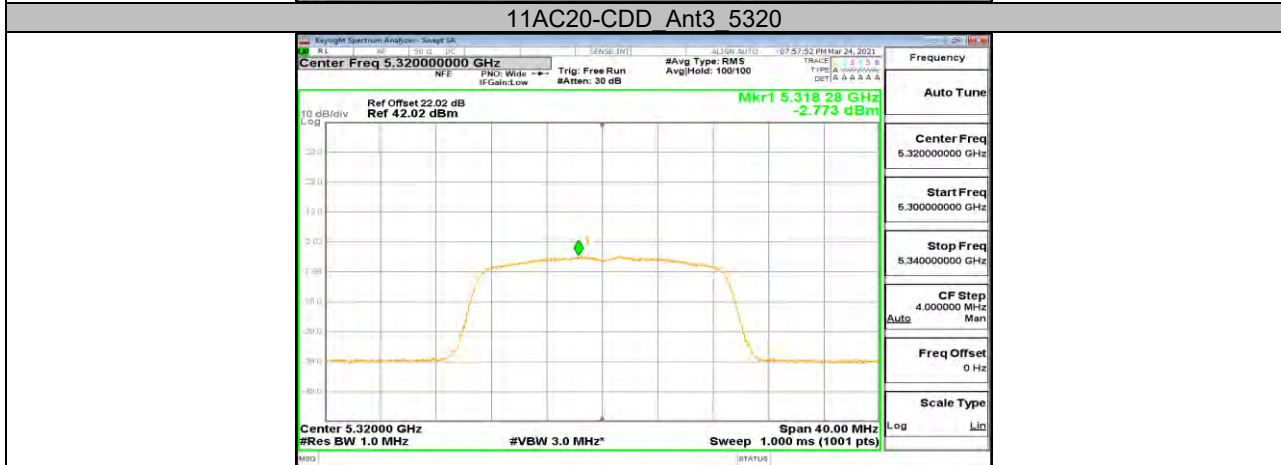
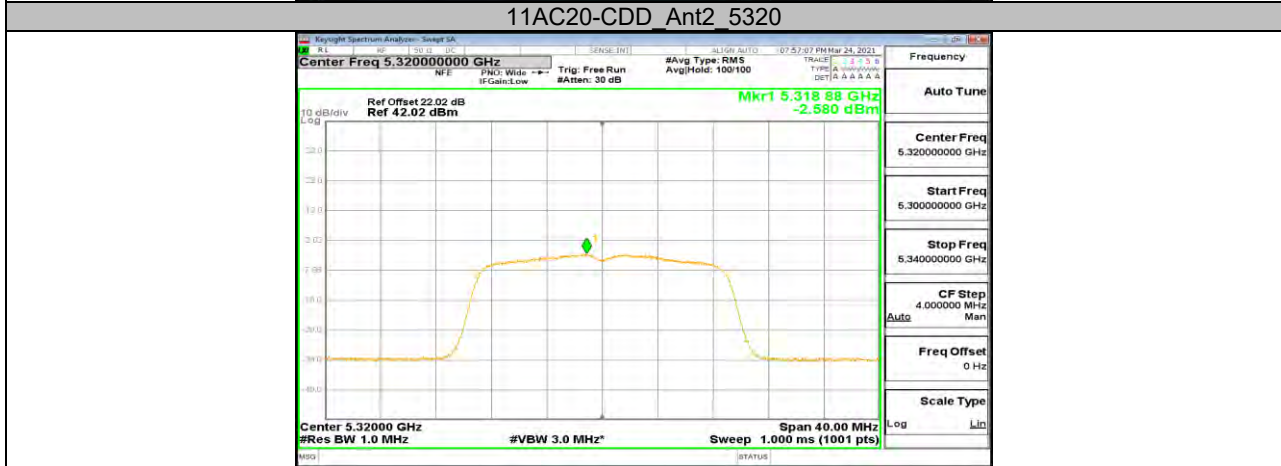
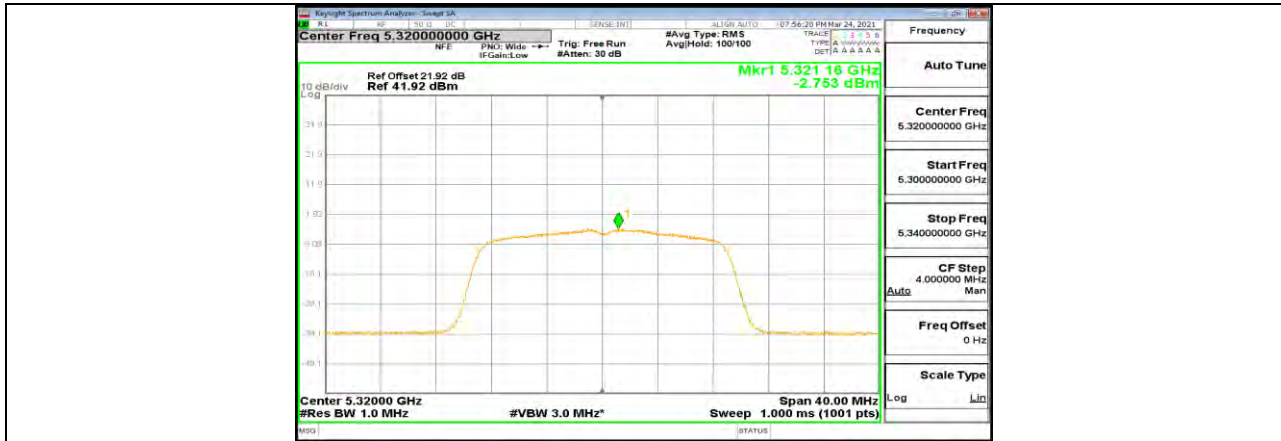
11AC20-CDD Ant3 5280



11AC20-CDD Ant4 5280

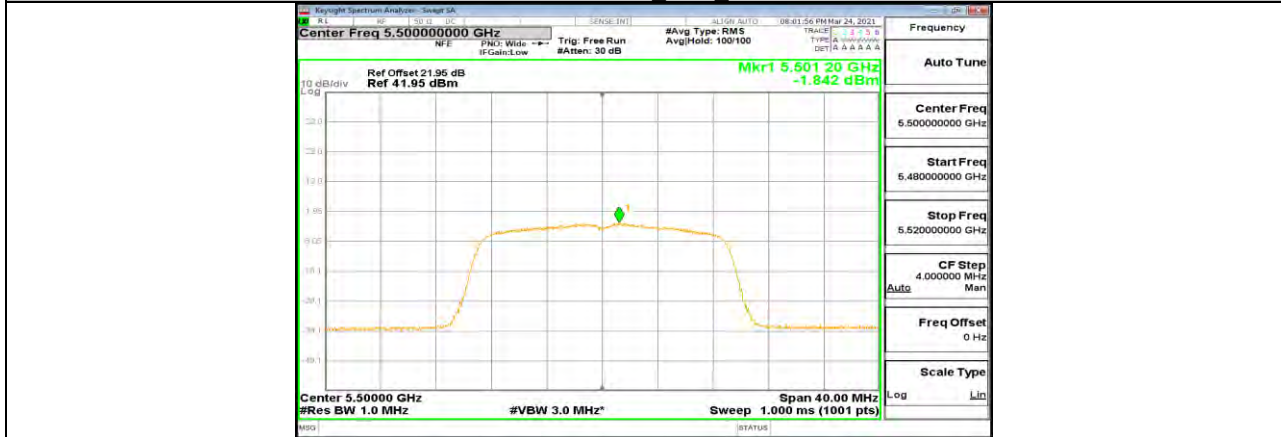


11AC20-CDD Ant1 5320





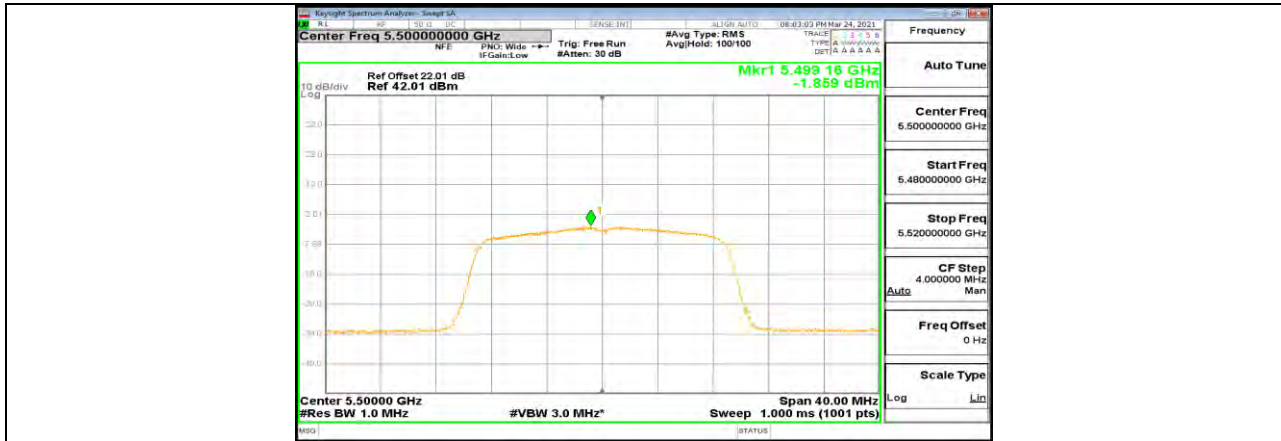
11AC20-CDD Ant1 5500



11AC20-CDD Ant2 5500



11AC20-CDD Ant3 5500



11AC20-CDD Ant4 5500



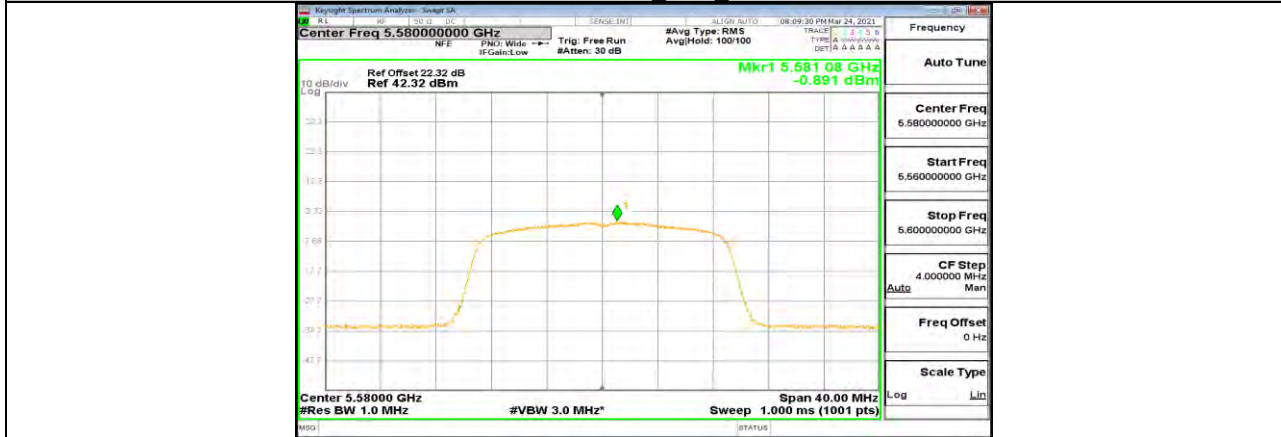
11AC20-CDD Ant1 5580



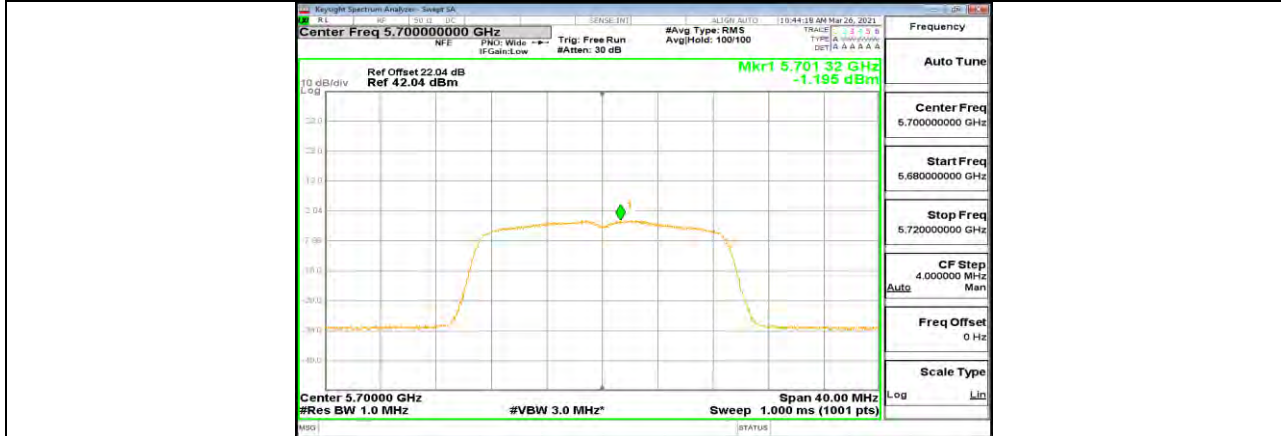
11AC20-CDD Ant2 5580



11AC20-CDD Ant3 5580

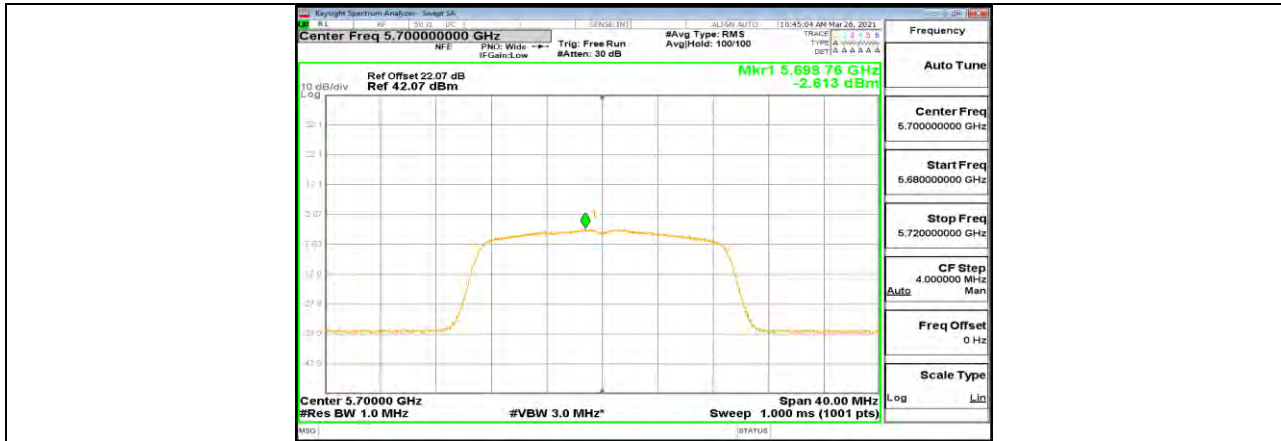


11AC20-CDD Ant4 5580



11AC20-CDD Ant1 5700

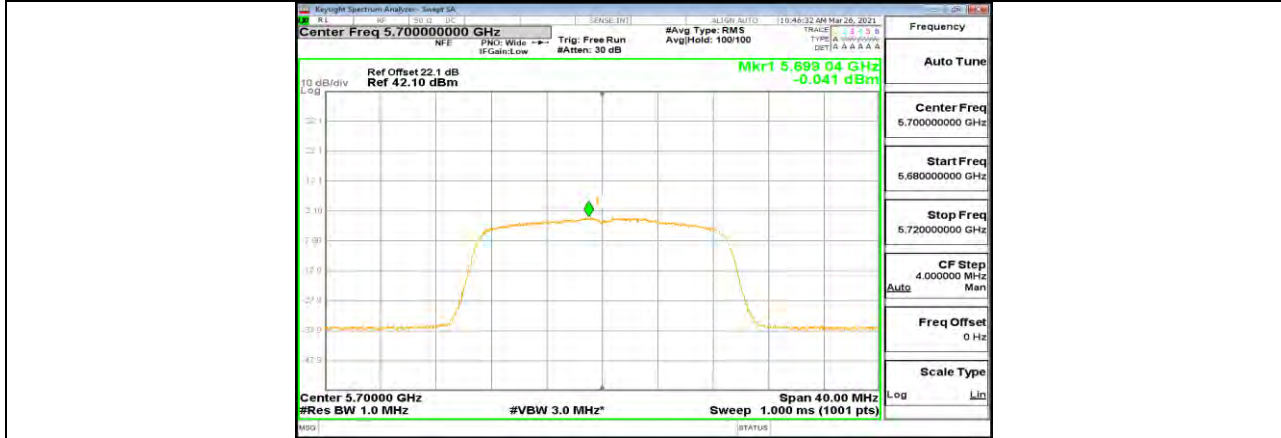




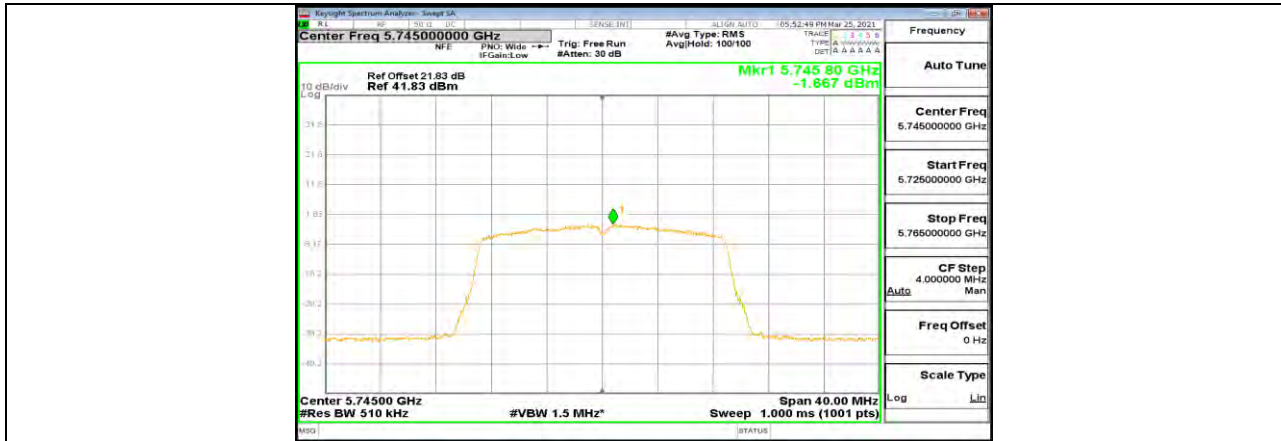
11AC20-CDD Ant2 5700



11AC20-CDD Ant3 5700



11AC20-CDD Ant4 5700



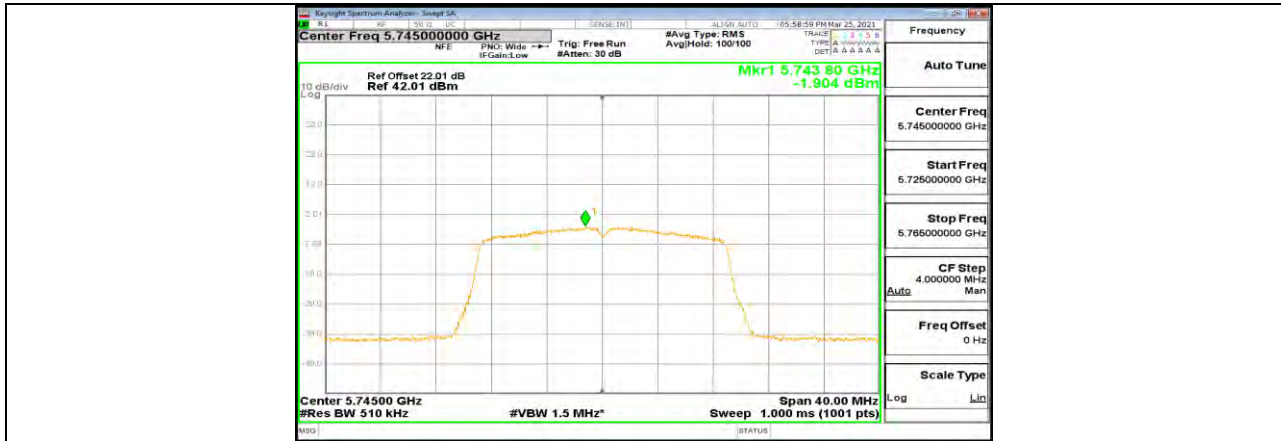
11AC20-CDD Ant1 5745

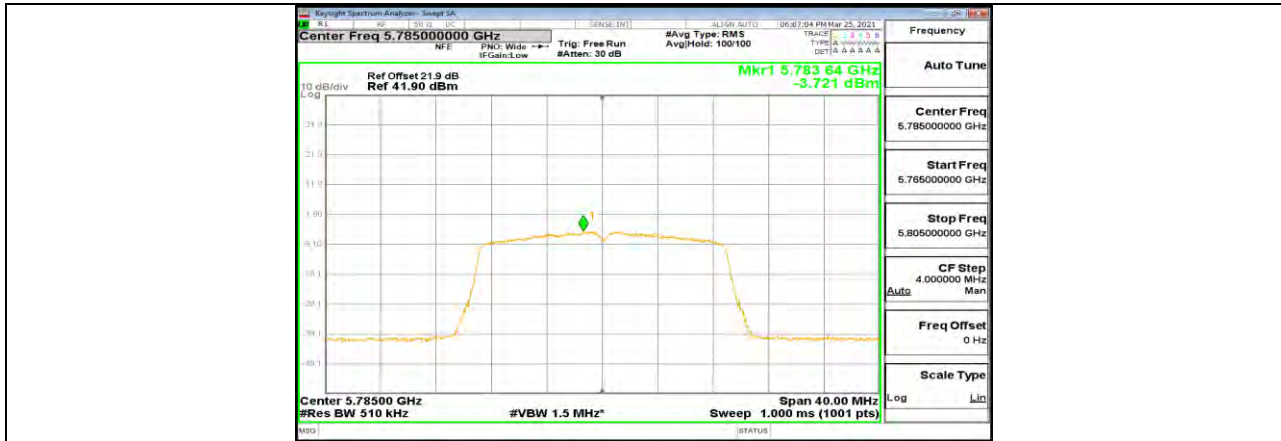


11AC20-CDD Ant2 5745

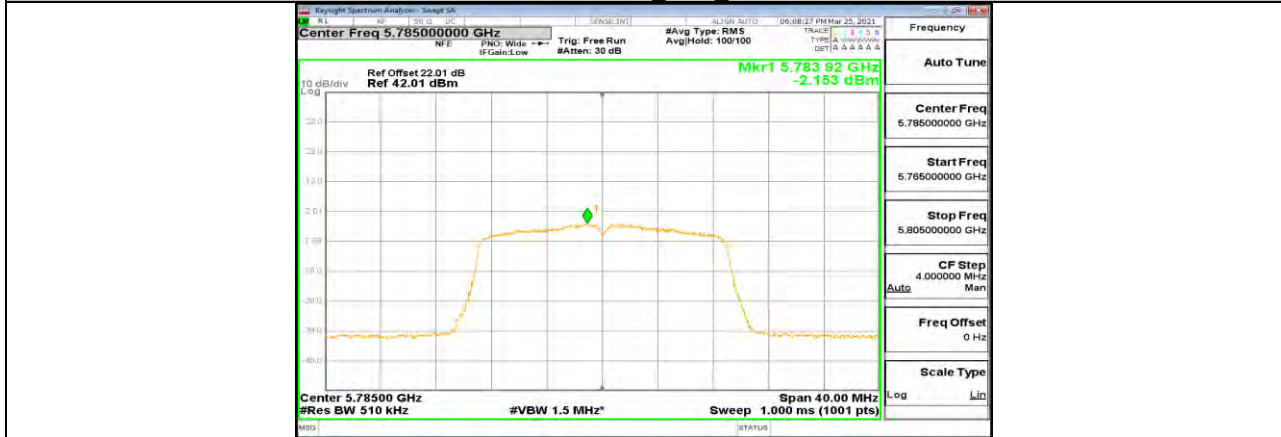


11AC20-CDD Ant3 5745





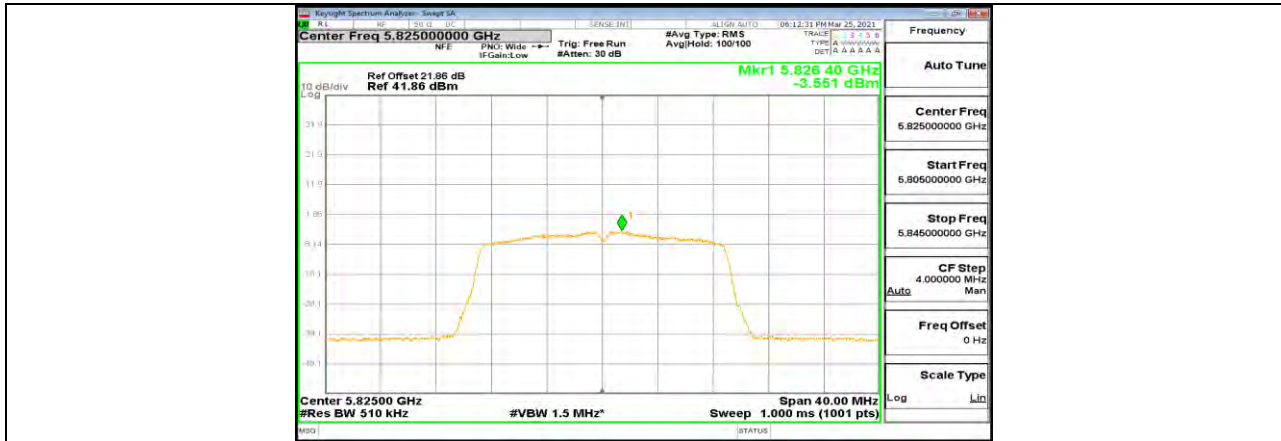
11AC20-CDD Ant3 5785



11AC20-CDD Ant4 5785



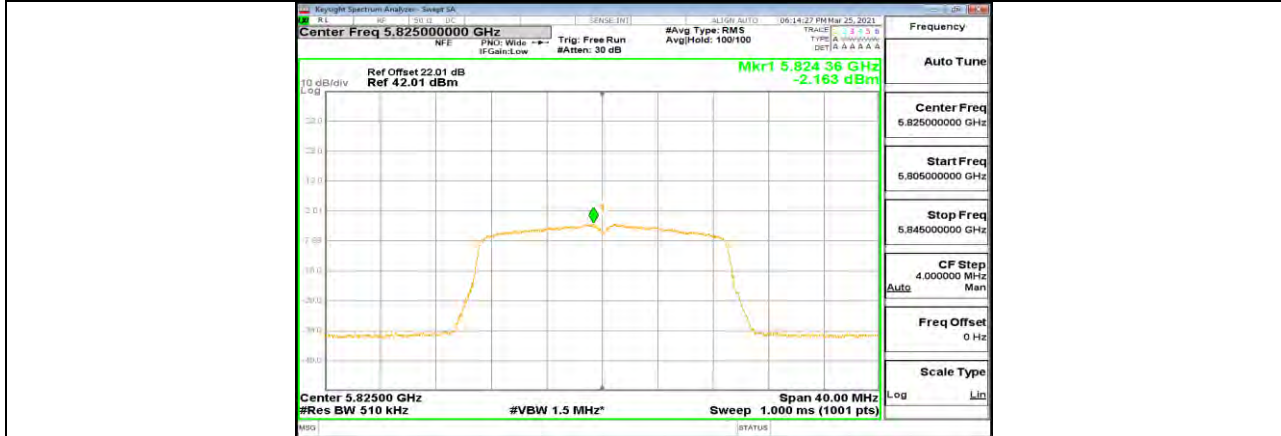
11AC20-CDD Ant1 5825



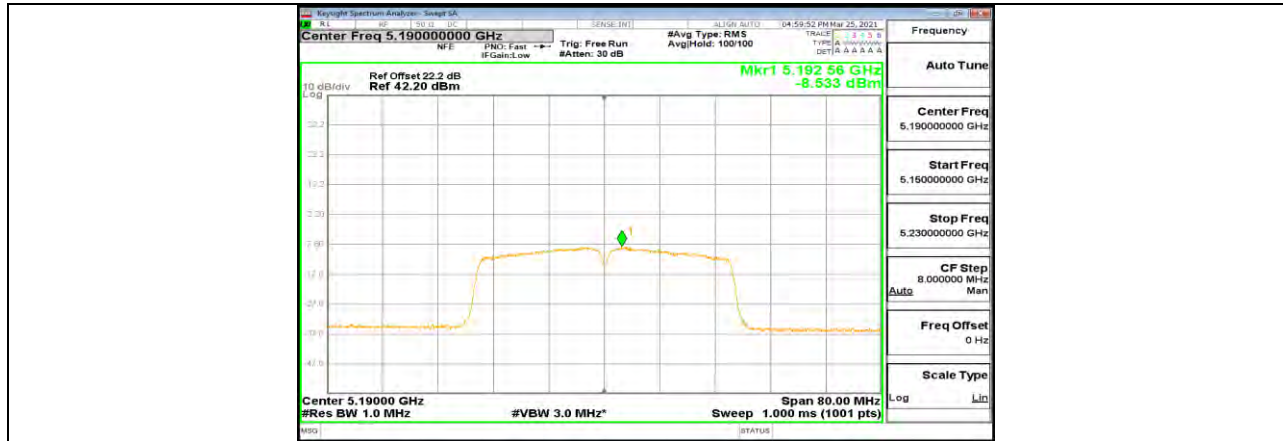
11AC20-CDD Ant2 5825



11AC20-CDD Ant3 5825



11AC20-CDD Ant4 5825



11AC40-CDD Ant1 5190



11AC40-CDD Ant2 5190



11AC40-CDD Ant3 5190





11AC40-CDD Ant3 5230

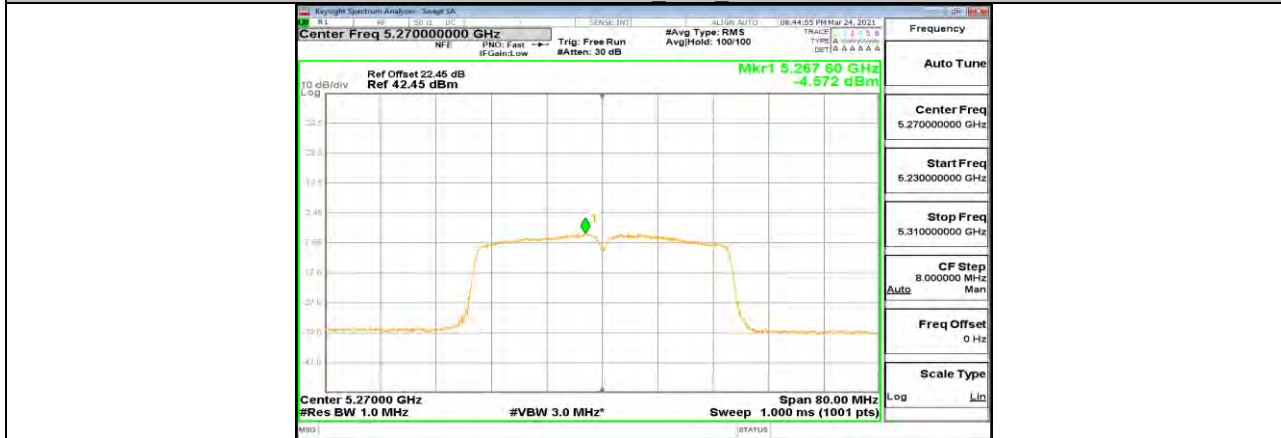
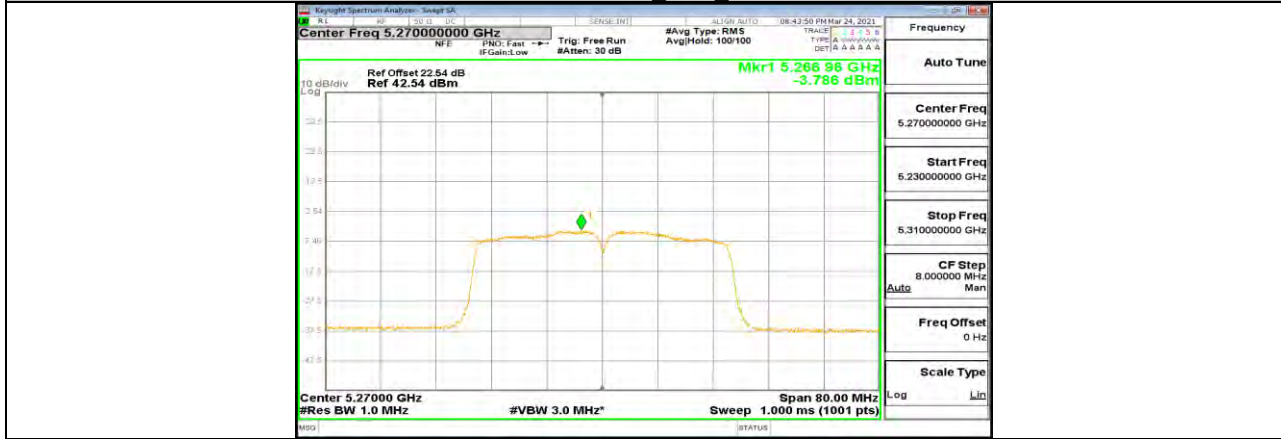
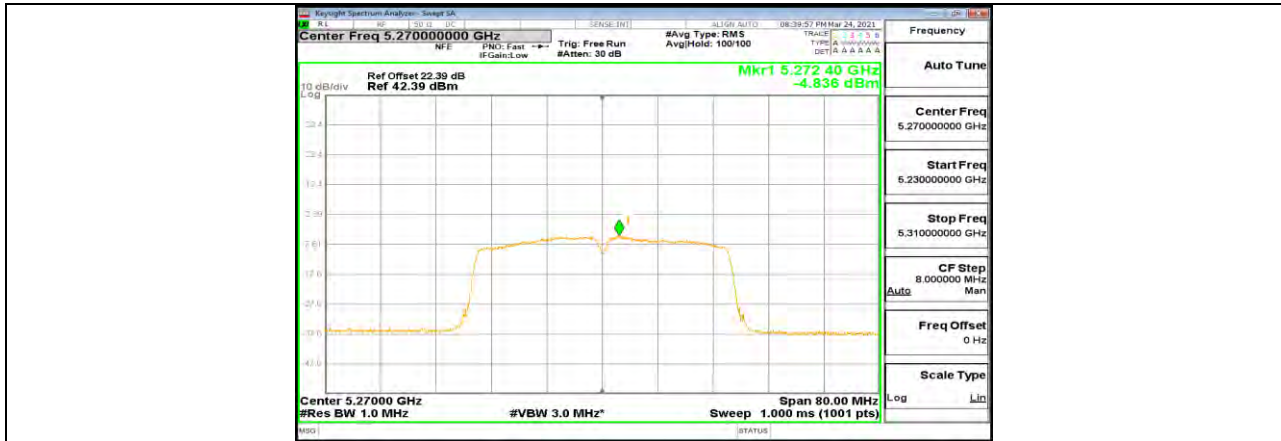


11AC40-CDD Ant4 5230



11AC40-CDD Ant1 5270







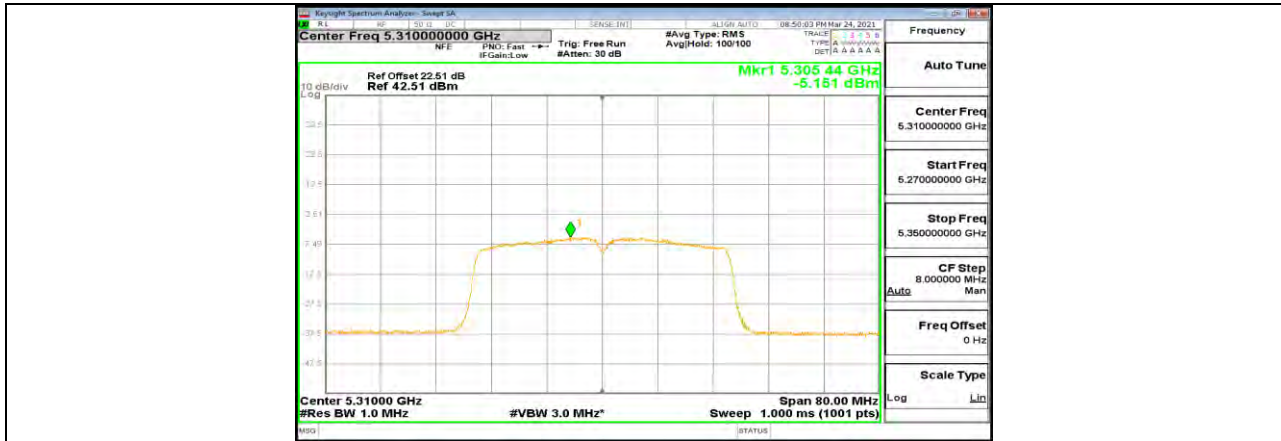
11AC40-CDD Ant1 5310



11AC40-CDD Ant2 5310



11AC40-CDD Ant3 5310



11AC40-CDD Ant4 5310



11AC40-CDD Ant1 5510



11AC40-CDD Ant2 5510



11AC40-CDD Ant3 5510



11AC40-CDD Ant4 5510



11AC40-CDD Ant1 5550



11AC40-CDD Ant2 5550



11AC40-CDD Ant3 5550



11AC40-CDD Ant4 5550



11AC40-CDD Ant1 5670



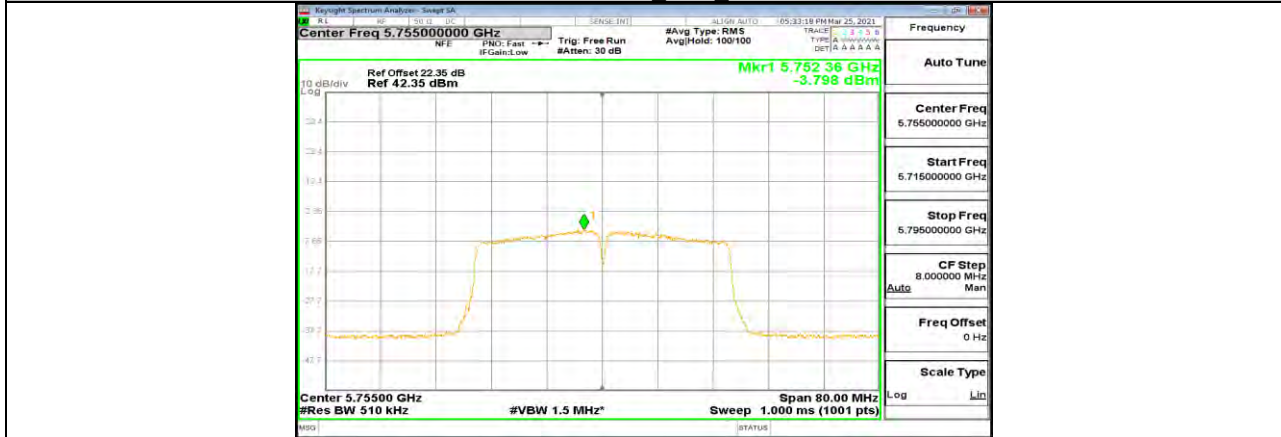
11AC40-CDD Ant2 5670



11AC40-CDD Ant3 5670



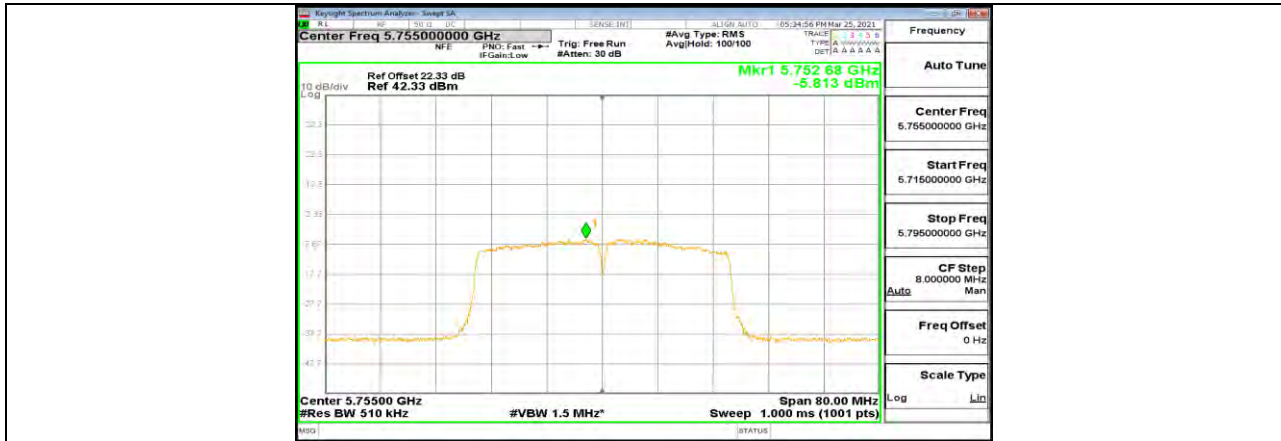
11AC40-CDD Ant4 5670



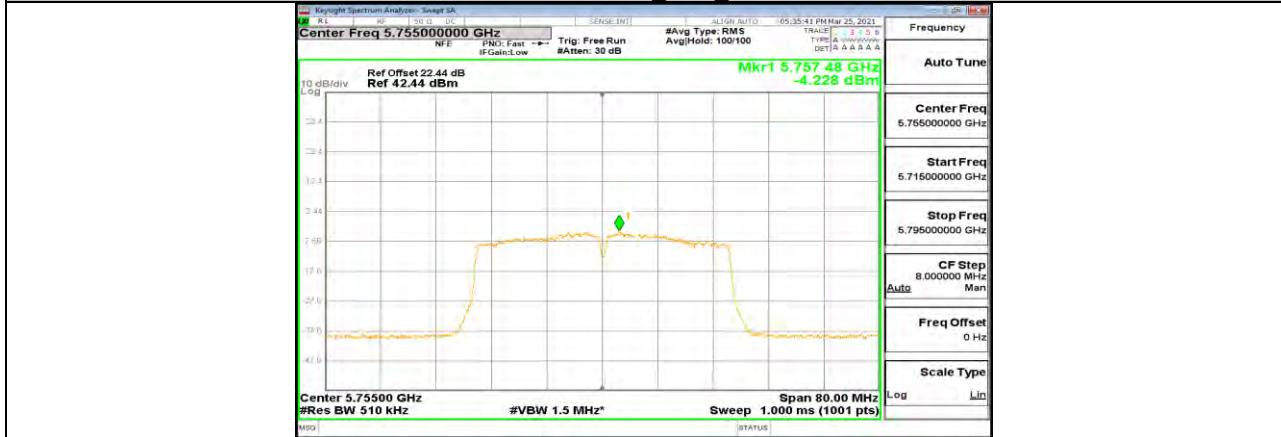
11AC40-CDD Ant1 5755



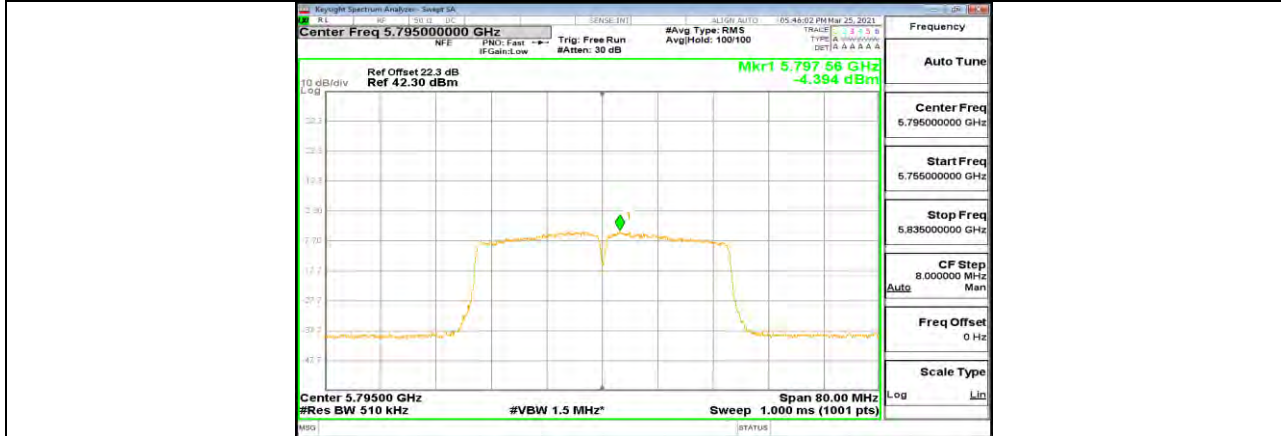
11AC40-CDD Ant2 5755



11AC40-CDD Ant3 5755

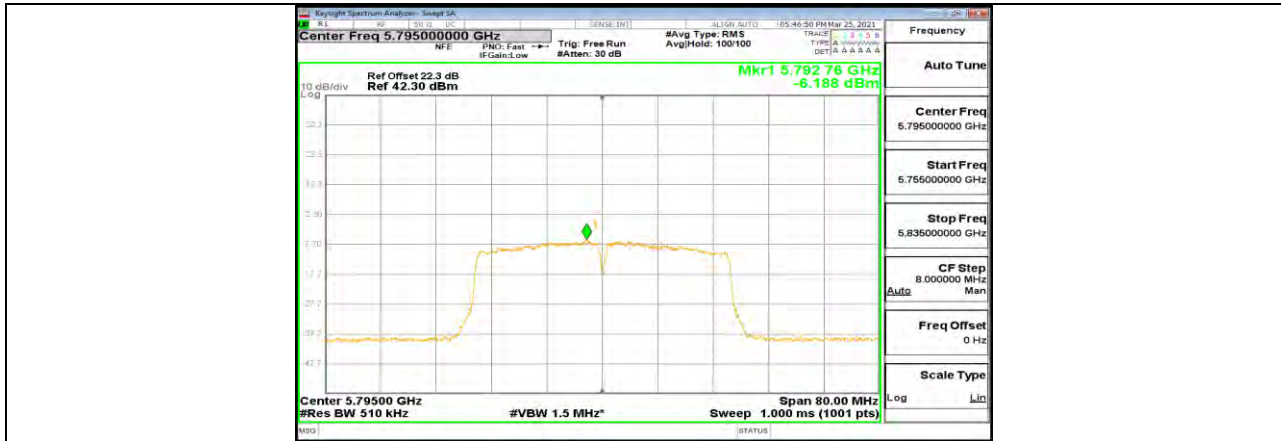


11AC40-CDD Ant4 5755



11AC40-CDD Ant1 5795





11AC40-CDD Ant2 5795



11AC40-CDD Ant3 5795



11AC40-CDD Ant4 5795



11AC80-CDD Ant1 5210



11AC80-CDD Ant2 5210



11AC80-CDD Ant3 5210



11AC80-CDD Ant4 5210



11AC80-CDD Ant1 5290



11AC80-CDD Ant2 5290



11AC80-CDD Ant3 5290

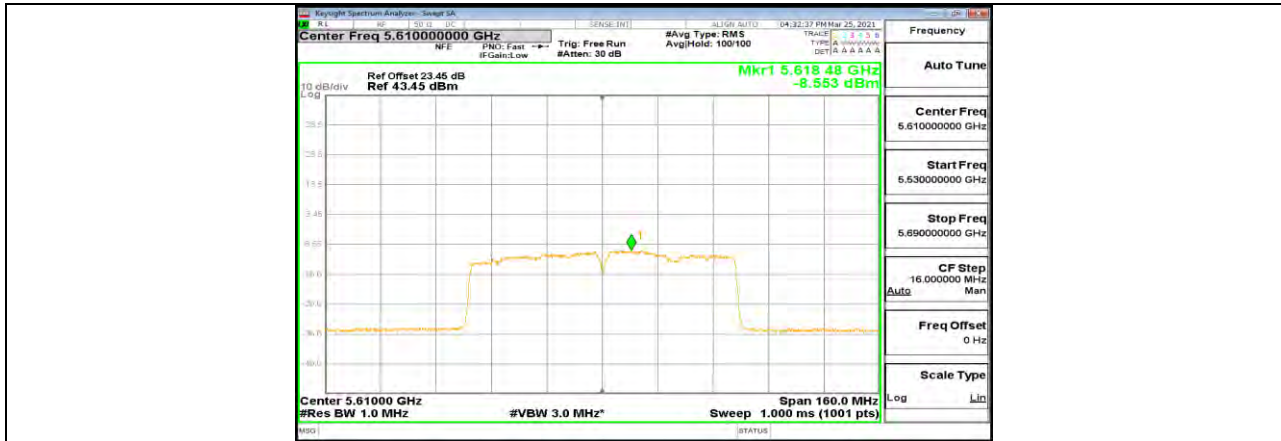


11AC80-CDD Ant4 5290

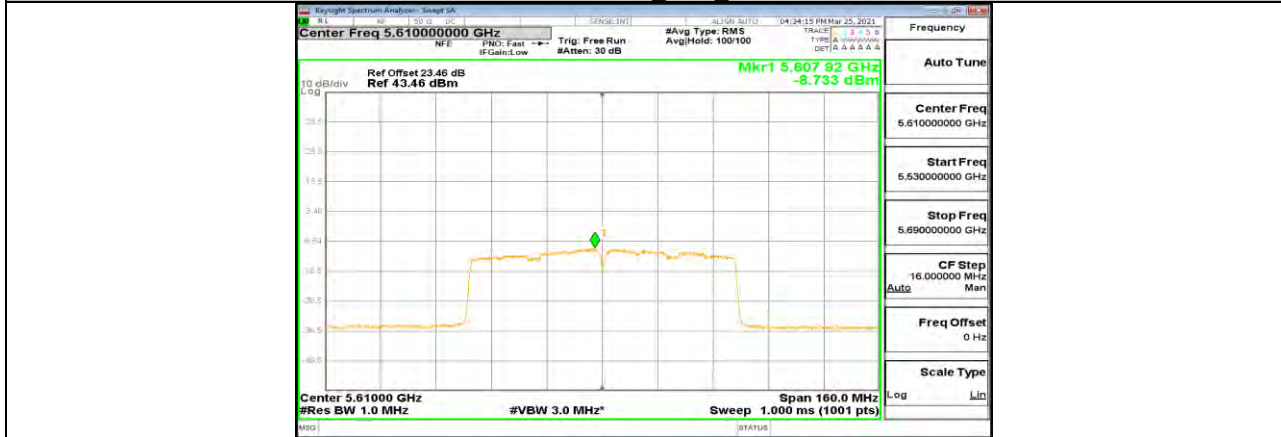


11AC80-CDD Ant1 5530

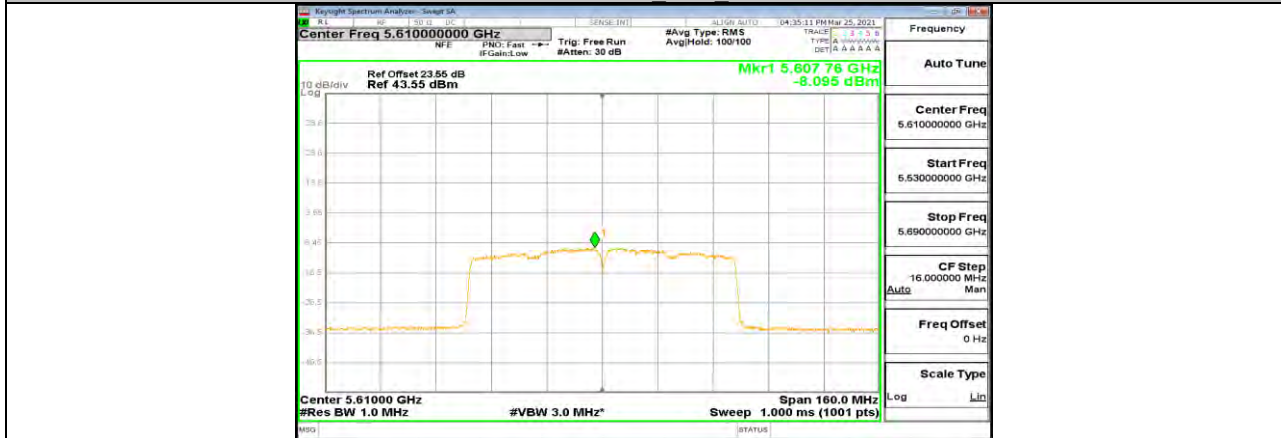




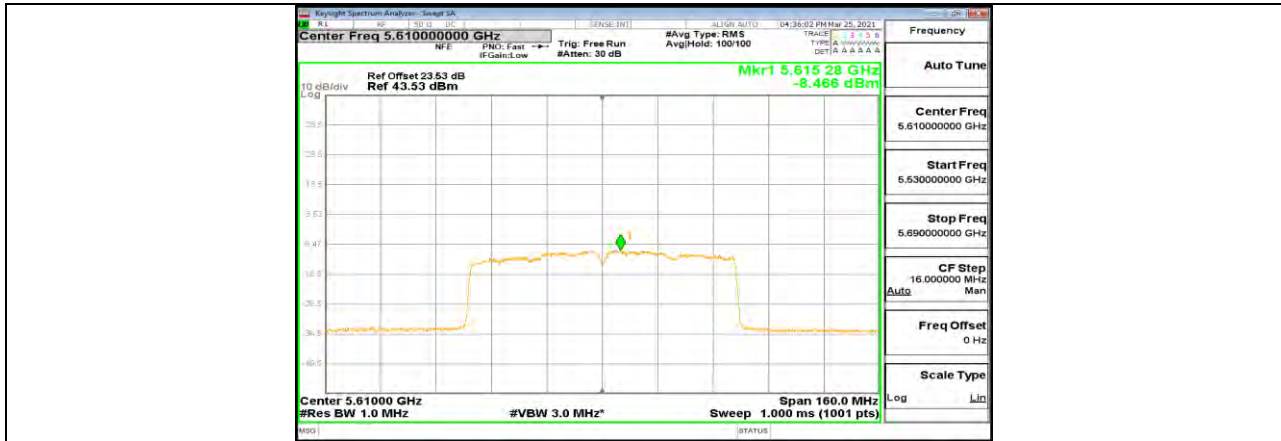
11AC80-CDD Ant1 5610



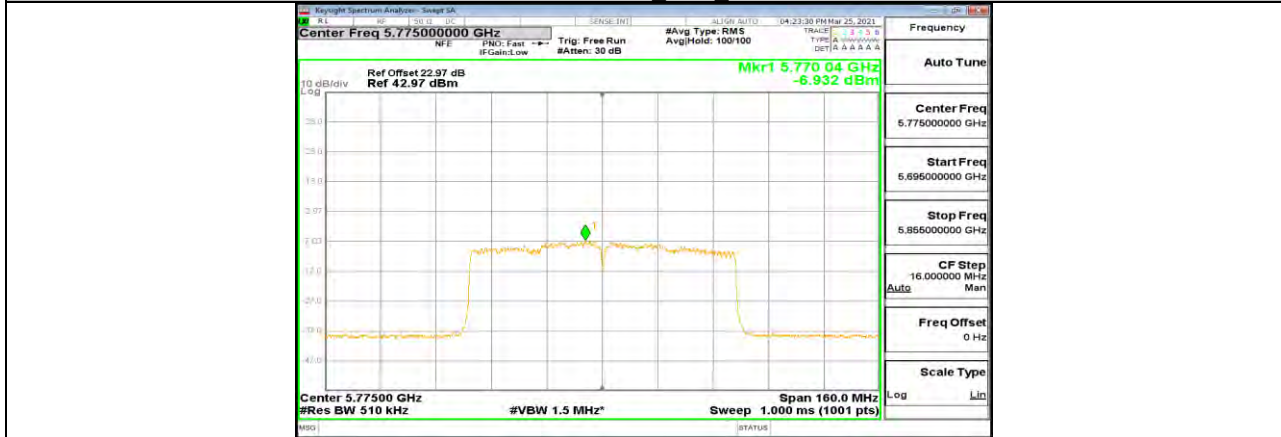
11AC80-CDD Ant2 5610



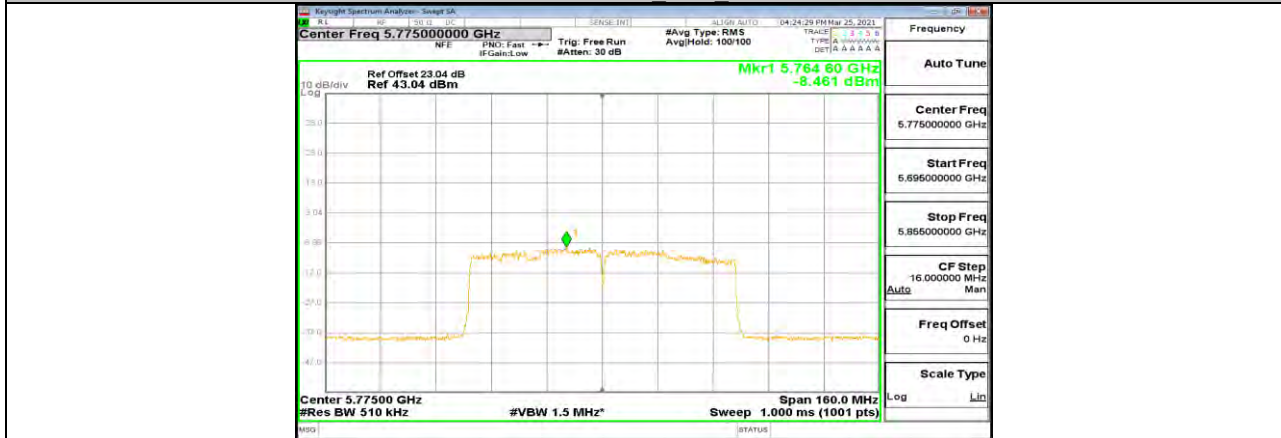
11AC80-CDD Ant3 5610



11AC80-CDD Ant4 5610



11AC80-CDD Ant1 5775



11AC80-CDD Ant2 5775



11AC80-CDD Ant3 5775



11AC80-CDD Ant4 5775





### 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)

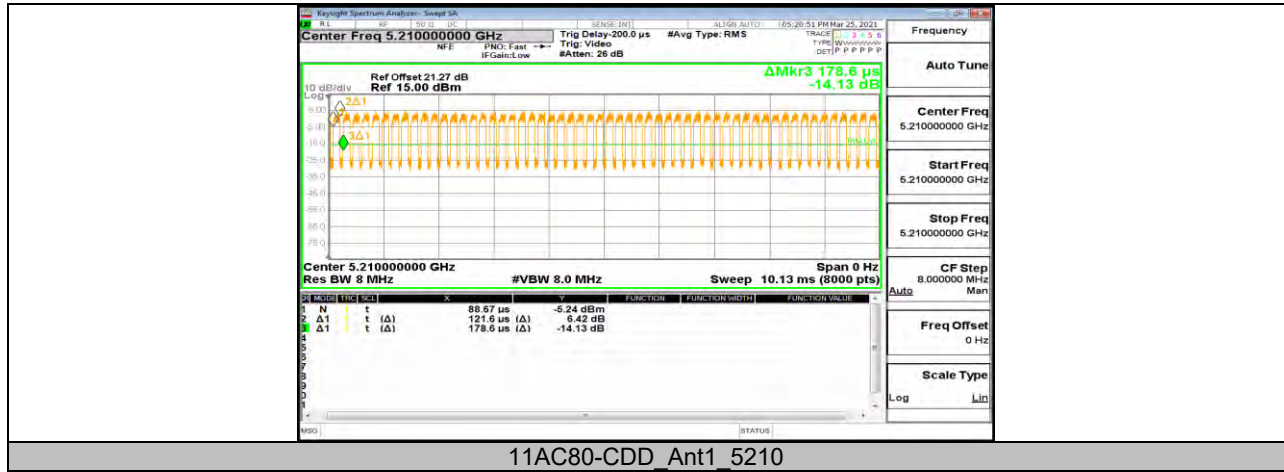
Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.



### Test Graphs







## 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 <sub>N</sub>	V <sub>L</sub>	5200.0024	0.46	5199.9831	-3.24	5200.0072	1.39	5199.9847	-2.94
T <sub>N</sub>	V <sub>N</sub>	5199.9980	-0.39	5200.0218	4.20	5199.9810	-3.66	5199.9844	-3.00
T <sub>N</sub>	V <sub>H</sub>	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 <sub>N</sub>	5200.0204	3.91	5199.9850	-2.89	5199.9870	-2.50	5200.0228	4.39
30	V <sub>N</sub>	5199.9760	-4.62	5199.9822	-3.42	5199.9879	-2.33	5200.0144	2.77
20	V <sub>N</sub>	5199.9800	-3.84	5199.9979	-0.41	5200.0045	0.86	5200.0169	3.24
10	V <sub>N</sub>	5199.9888	-2.16	5200.0007	0.13	5199.9953	-0.90	5200.0171	3.30
0	V <sub>N</sub>	5199.9859	-2.71	5199.9861	-2.66	5200.0223	4.28	5199.9913	-1.66



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 <sub>N</sub>	V <sub>L</sub>	5825.0044	0.76	5825.0236	4.05	5824.9929	-1.21	5825.0182	3.12
T <sub>N</sub>	V <sub>N</sub>	5825.0206	3.54	5825.0187	3.20	5824.9881	-2.04	5824.9772	-3.92
T <sub>N</sub>	V <sub>H</sub>	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 <sub>N</sub>	5824.9936	-1.10	5825.0032	0.55	5825.0195	3.34	5825.0063	1.08
30	V <sub>N</sub>	5824.9756	-4.19	5824.9886	-1.95	5824.9764	-4.04	5824.9758	-4.15
20	V <sub>N</sub>	5824.9977	-0.39	5825.0145	2.50	5825.0044	0.75	5824.9817	-3.14
10	V <sub>N</sub>	5824.9791	-3.59	5824.9972	-0.48	5824.9936	-1.09	5825.0029	0.51
0	V <sub>N</sub>	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.

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**END OF REPORT**