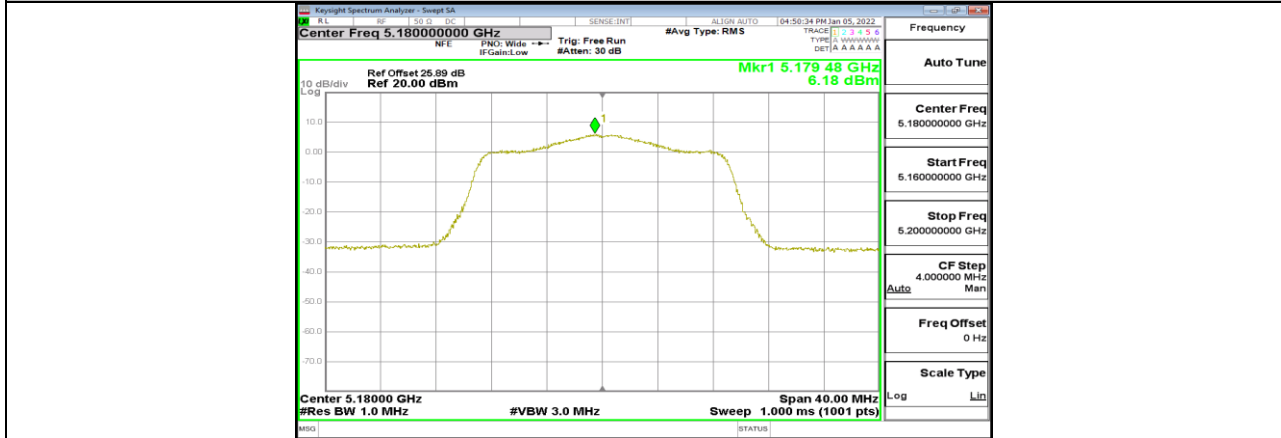
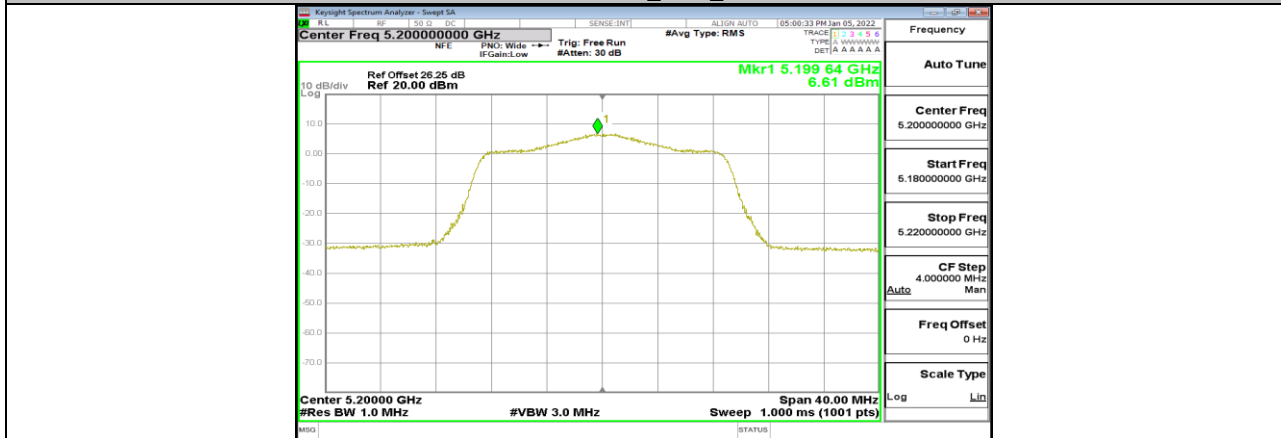


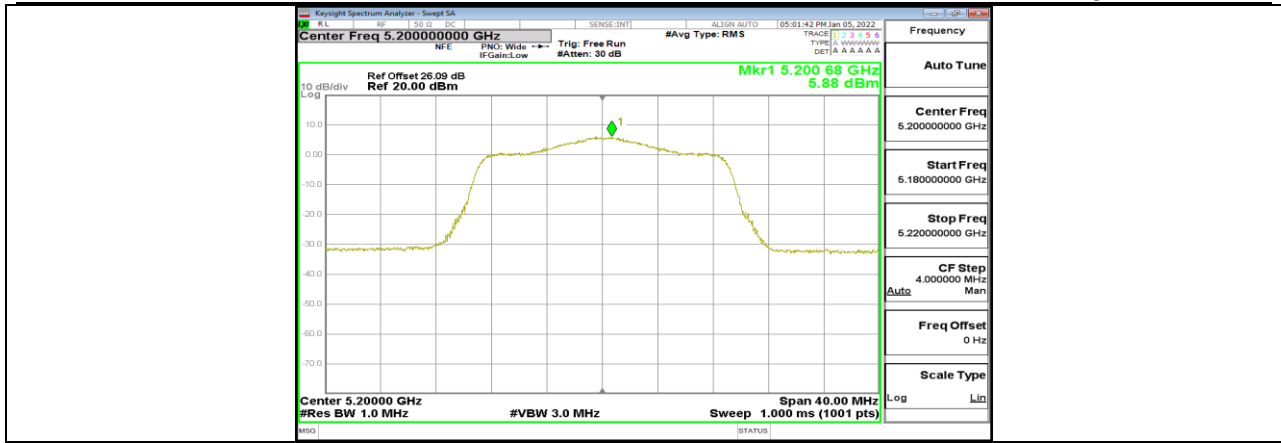
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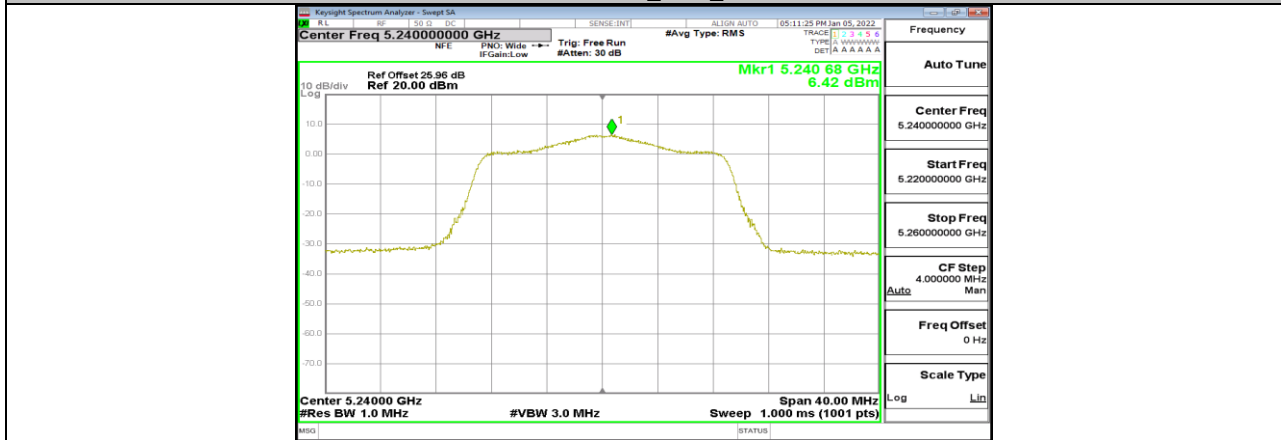
11N20MIMO_Ant2_5180



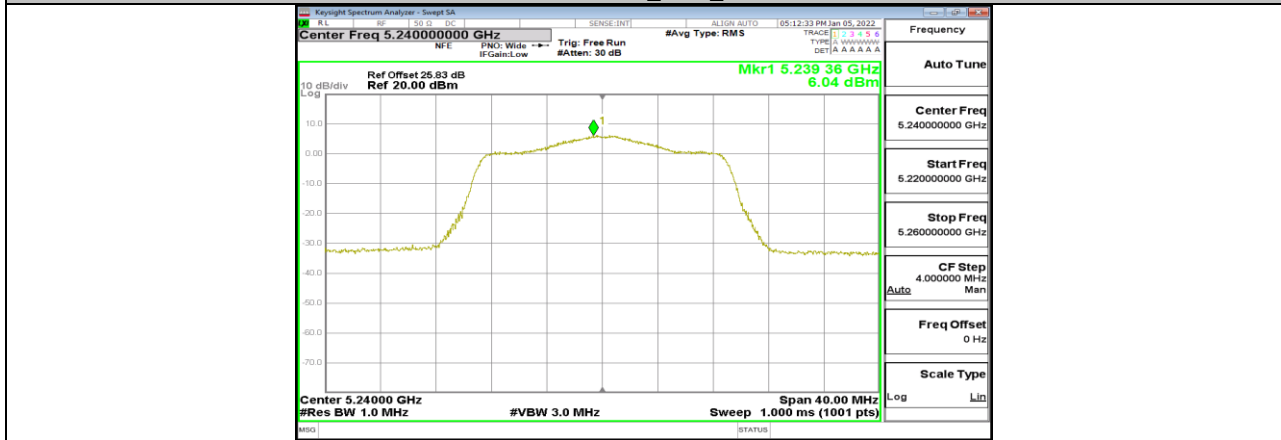
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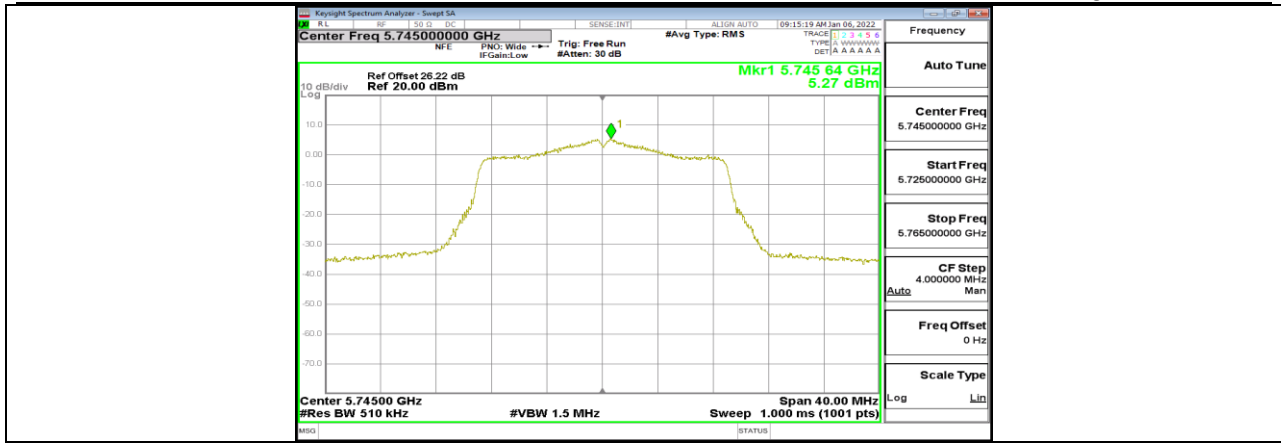
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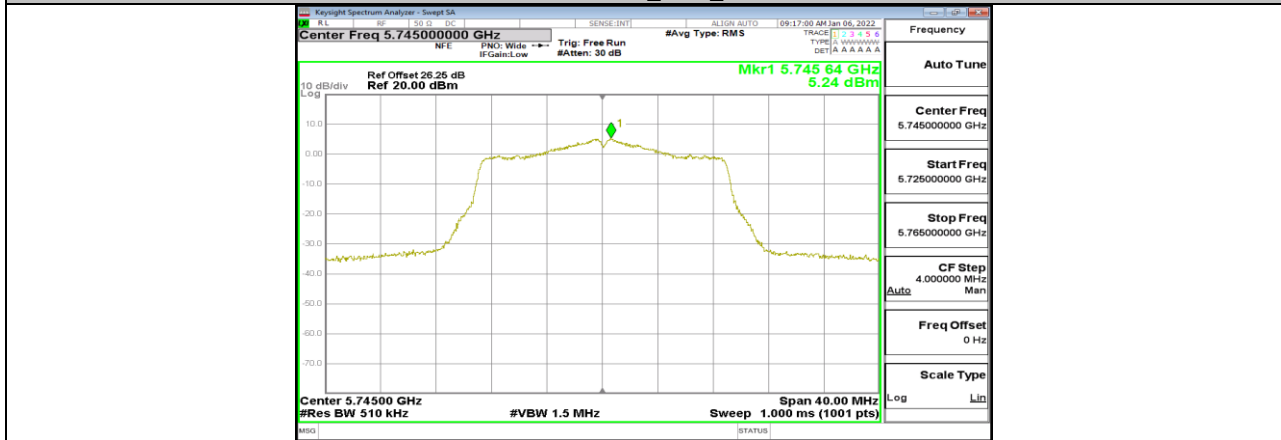
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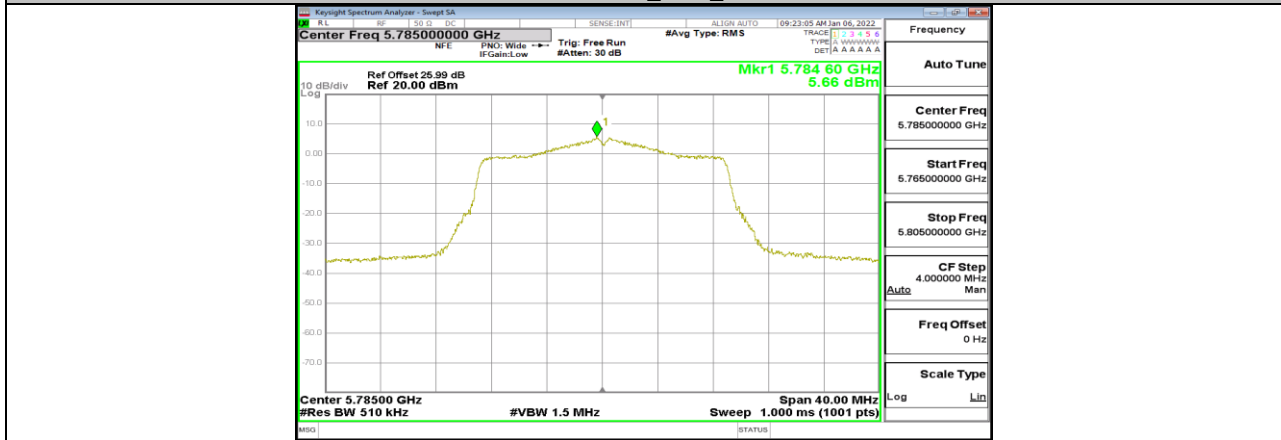
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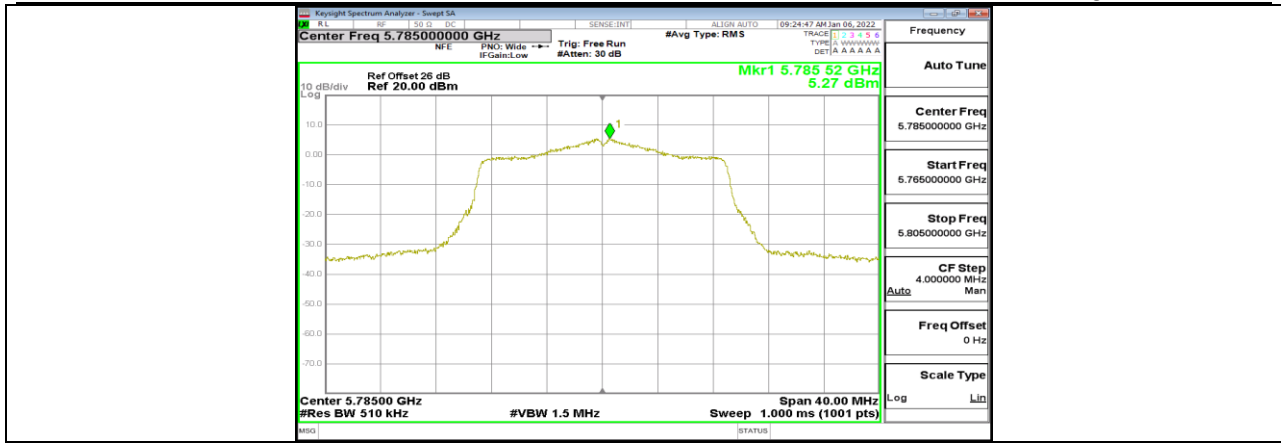
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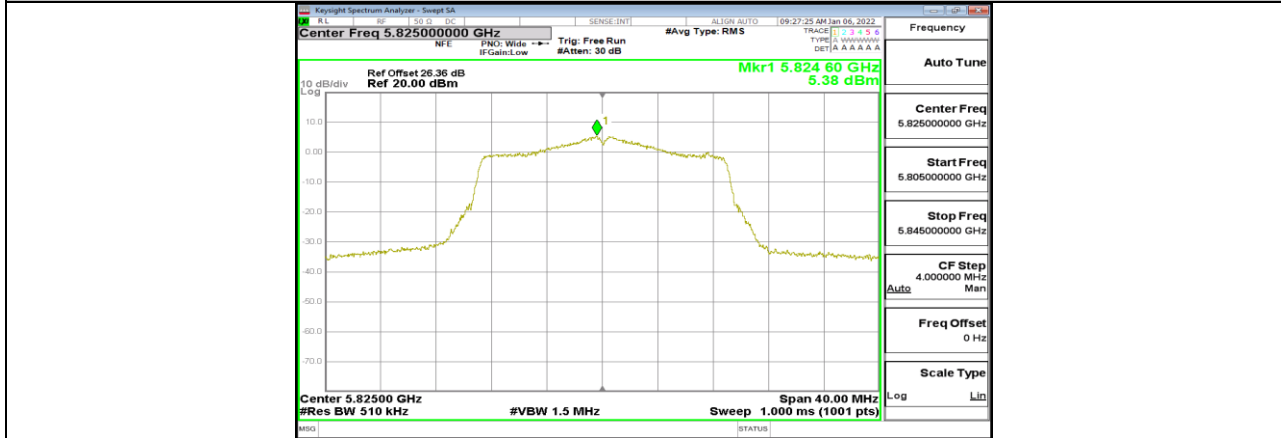
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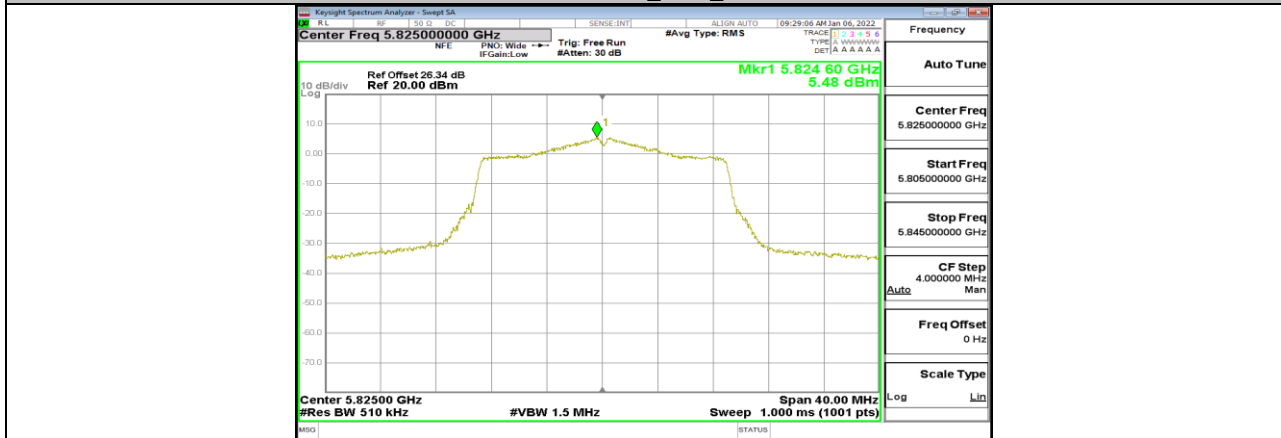
11N20MIMO_Ant1_5785



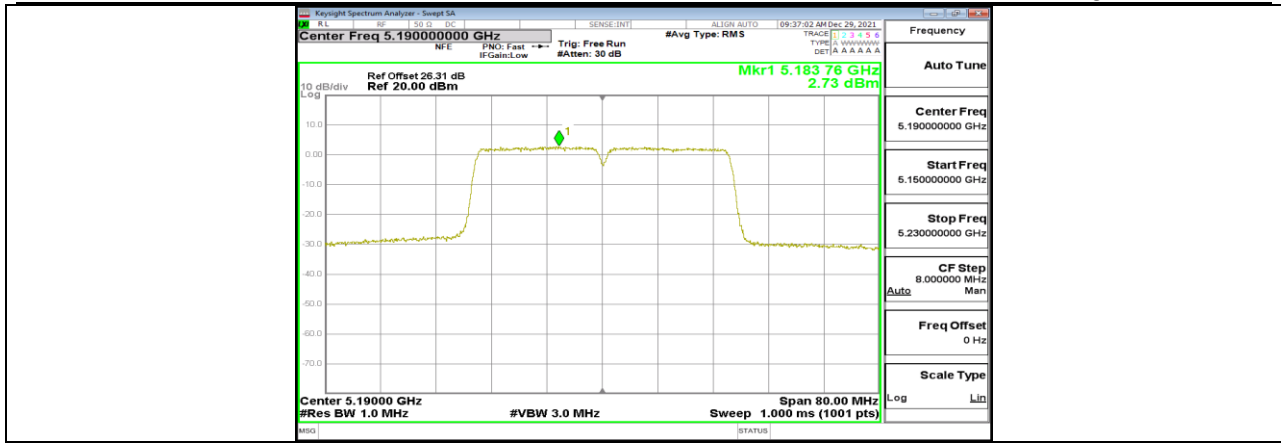
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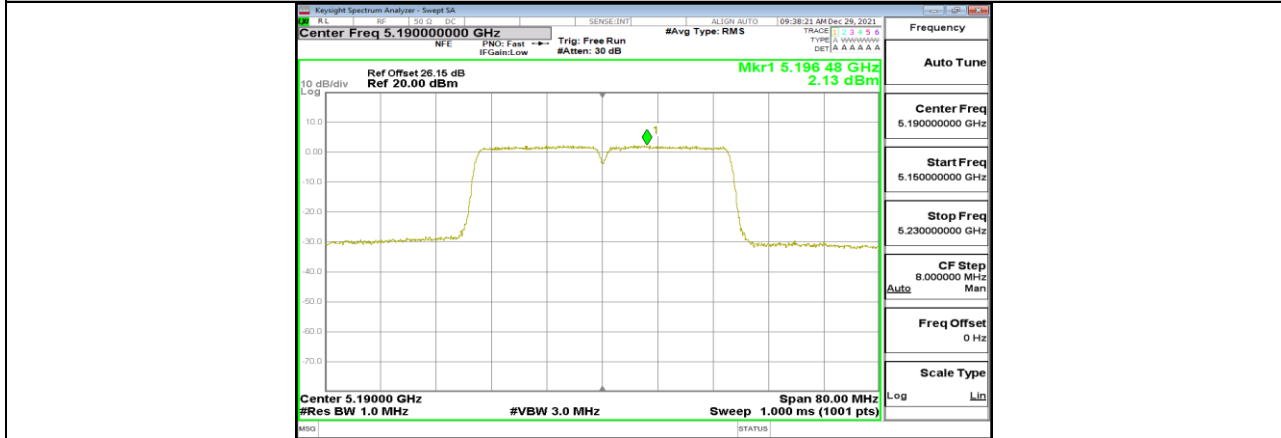
11N20MIMO_Ant1_5825



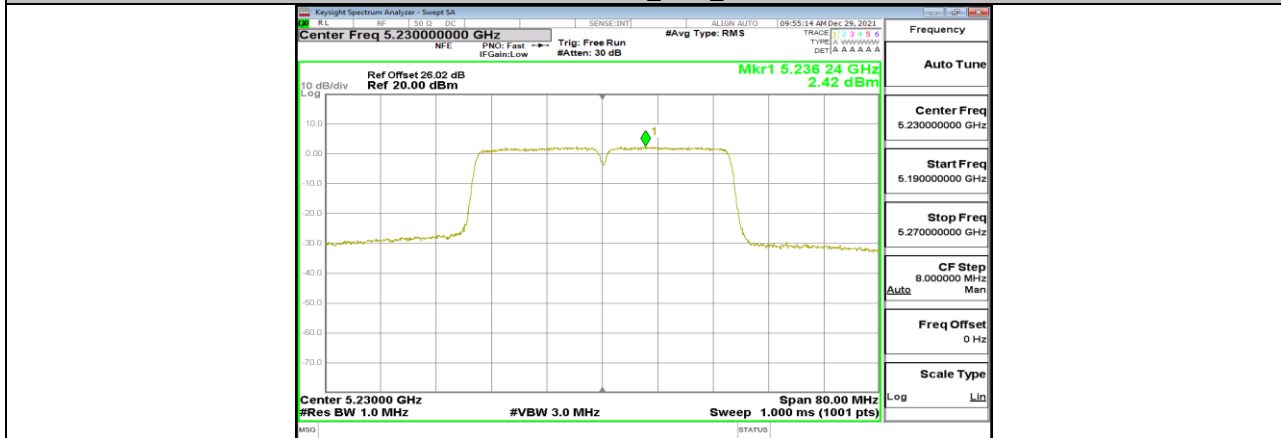
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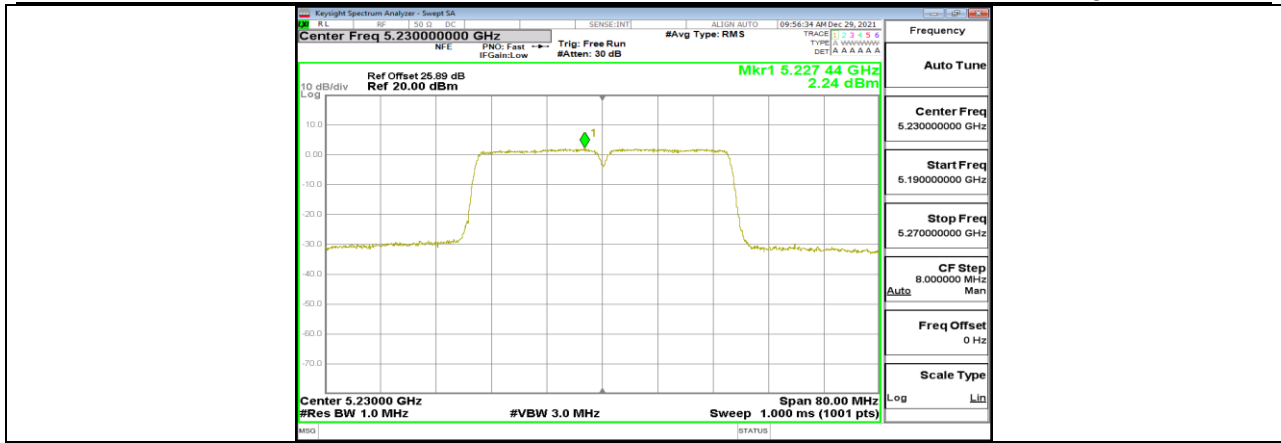
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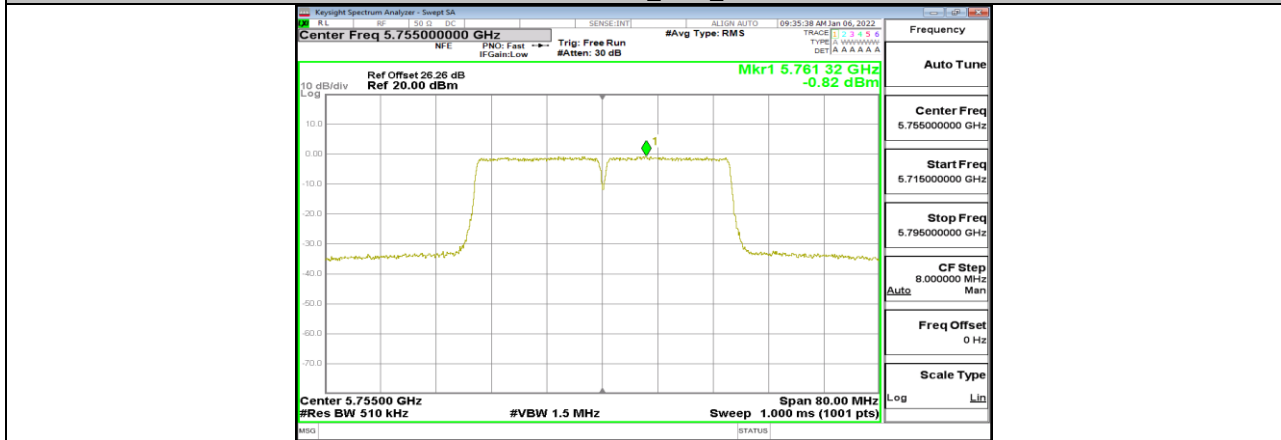
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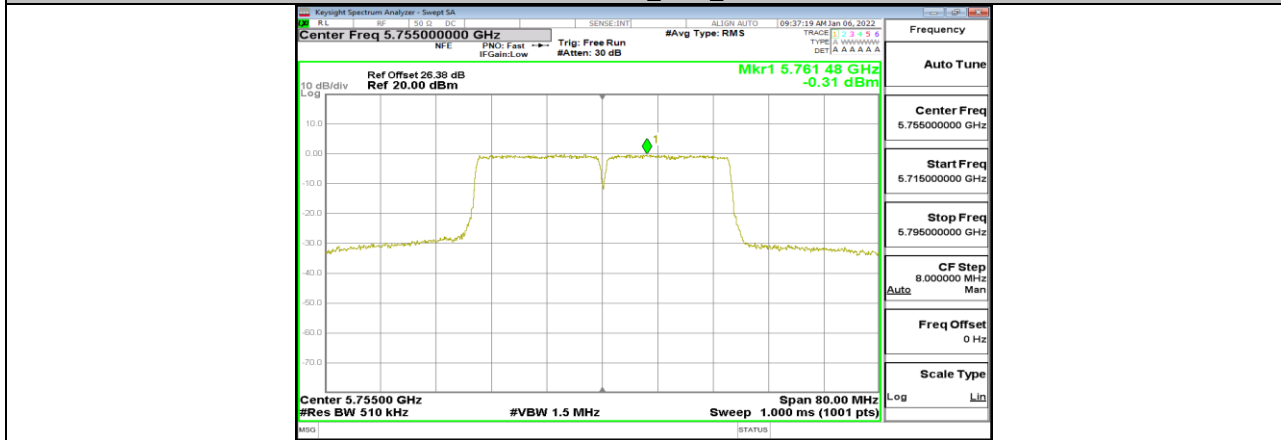
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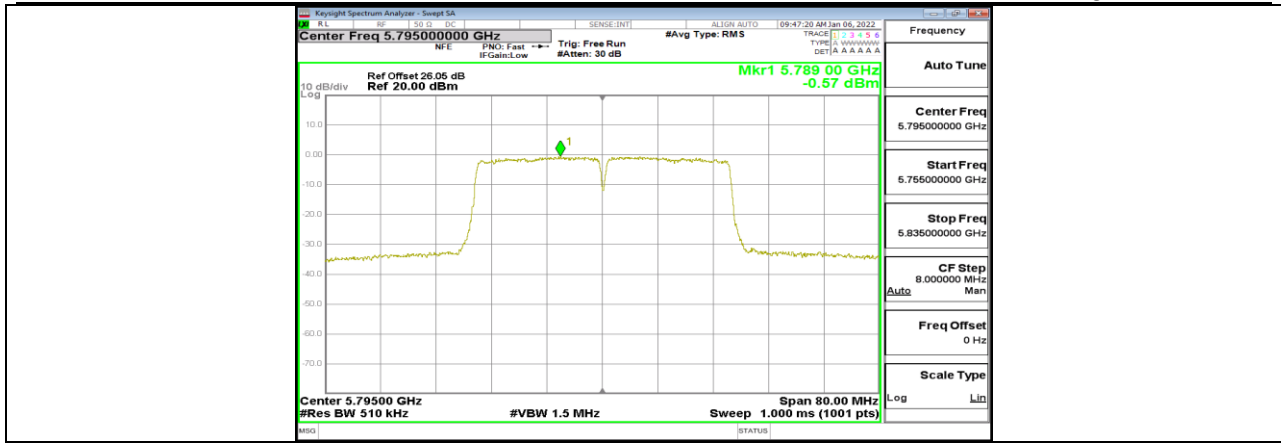
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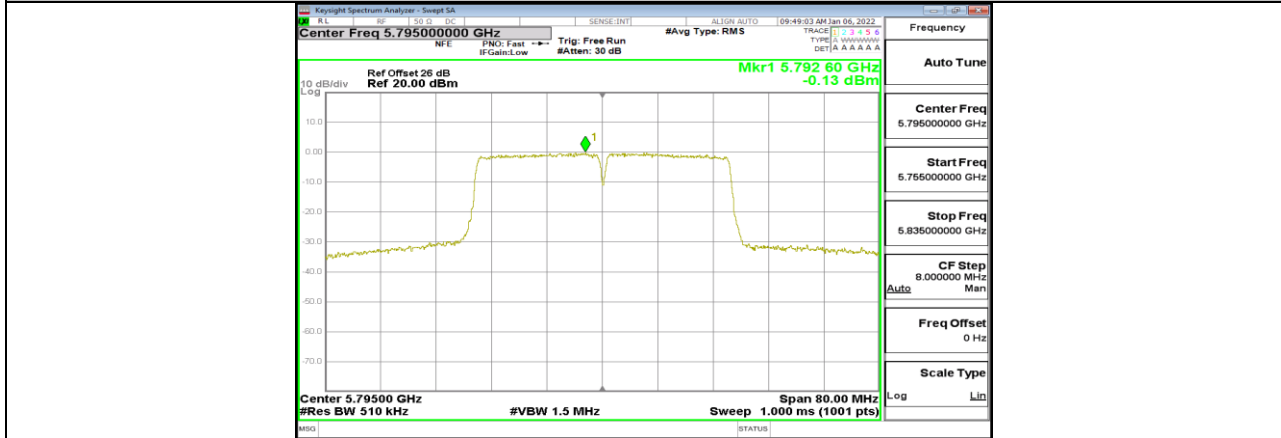
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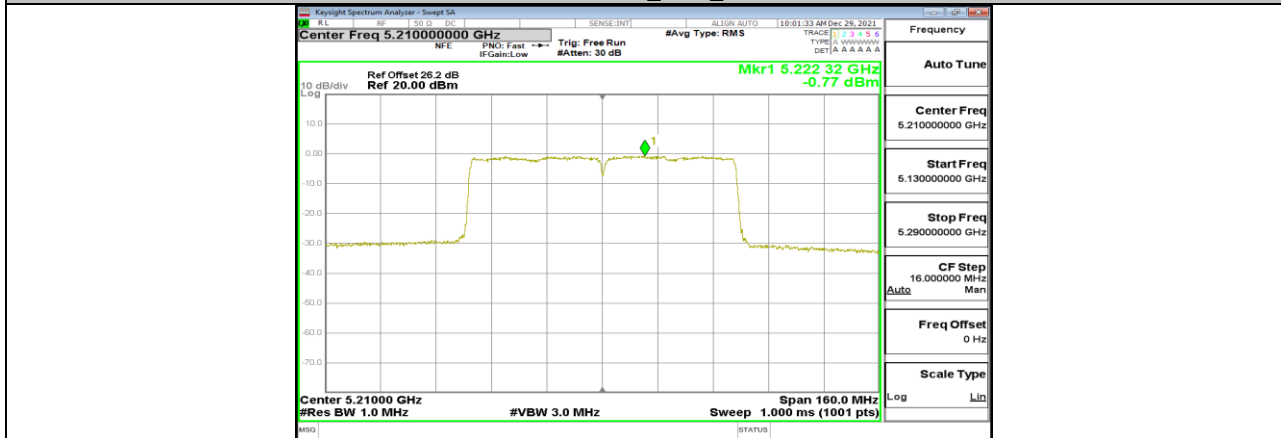
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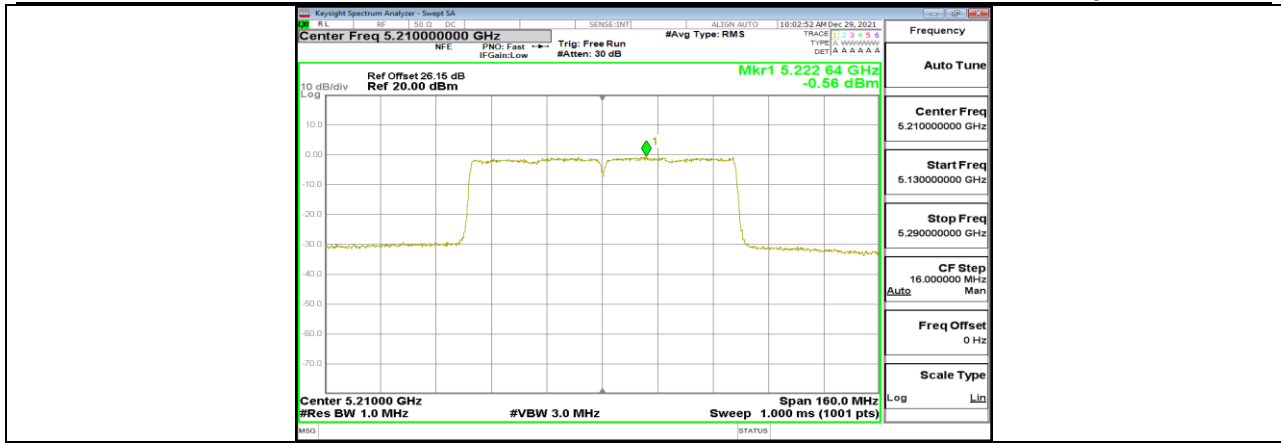
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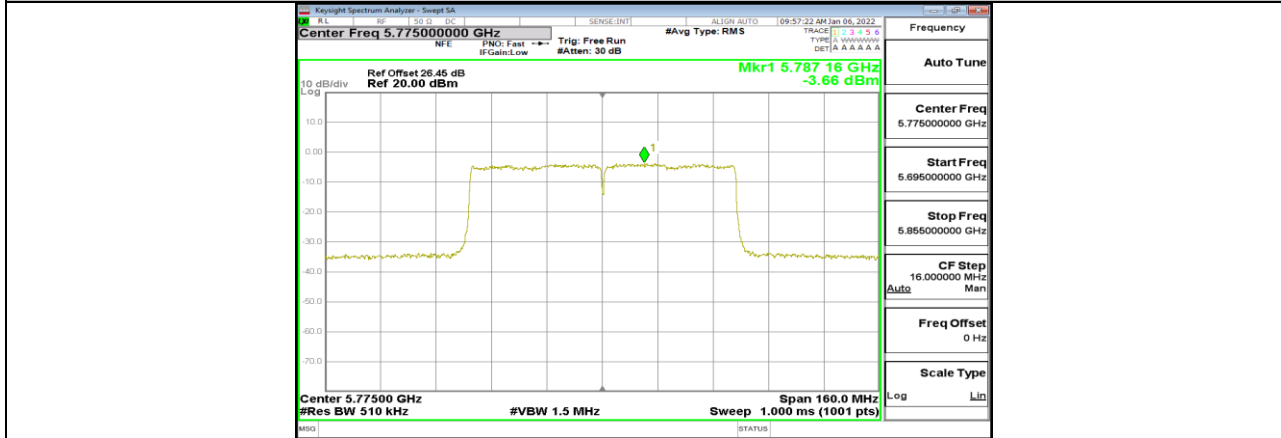
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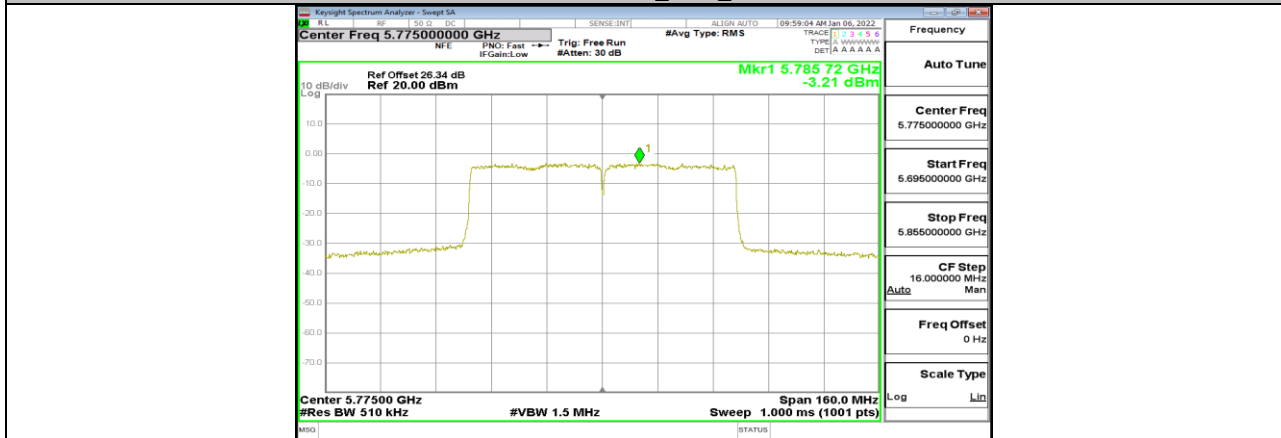
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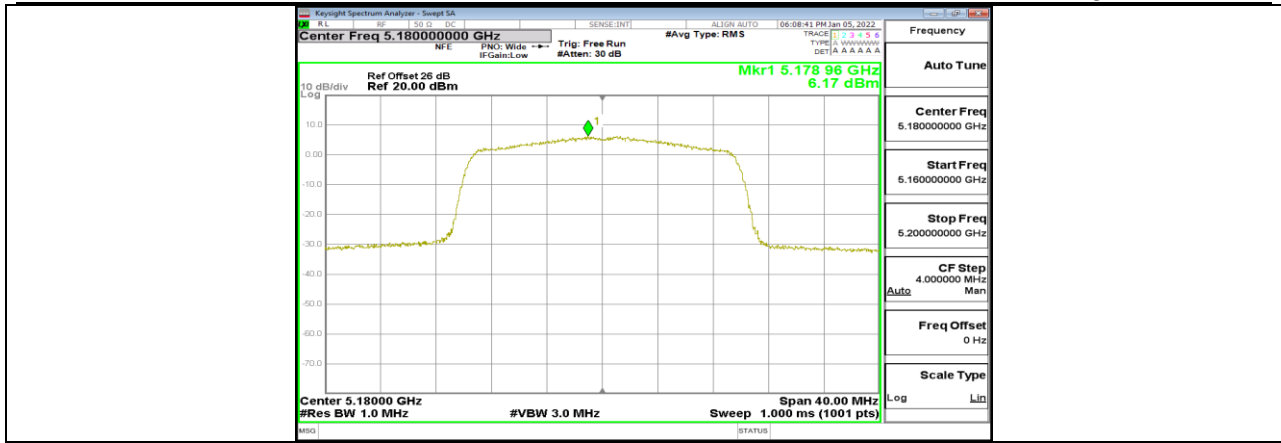
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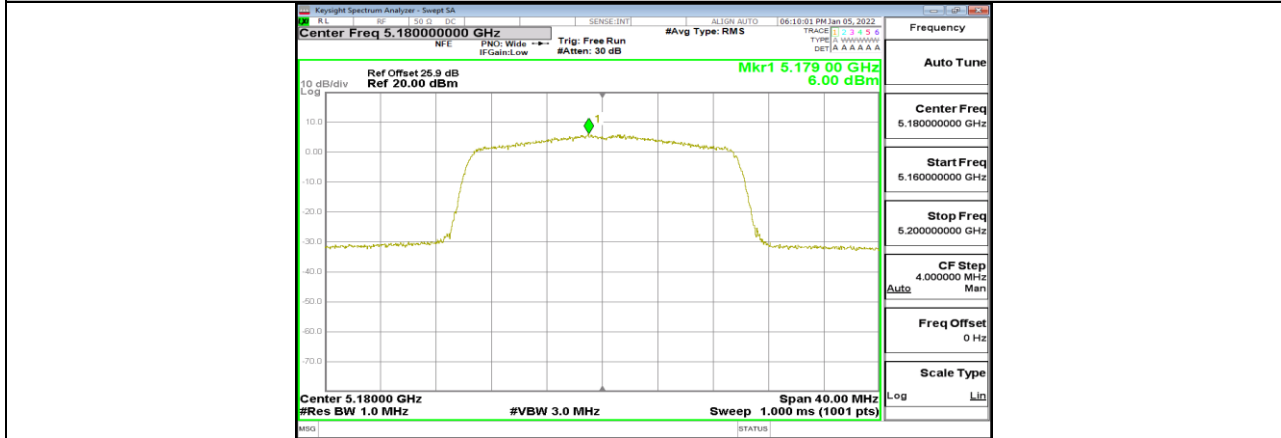
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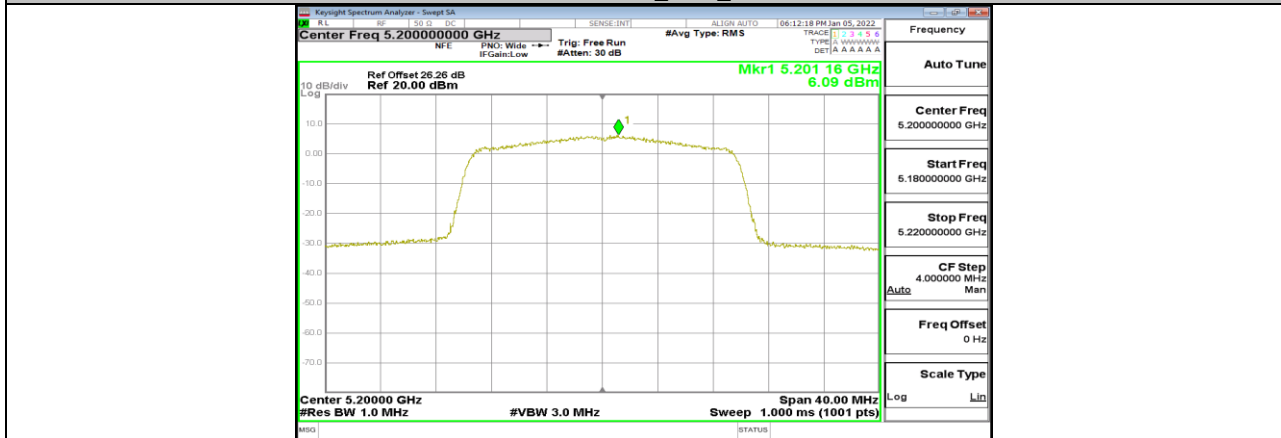
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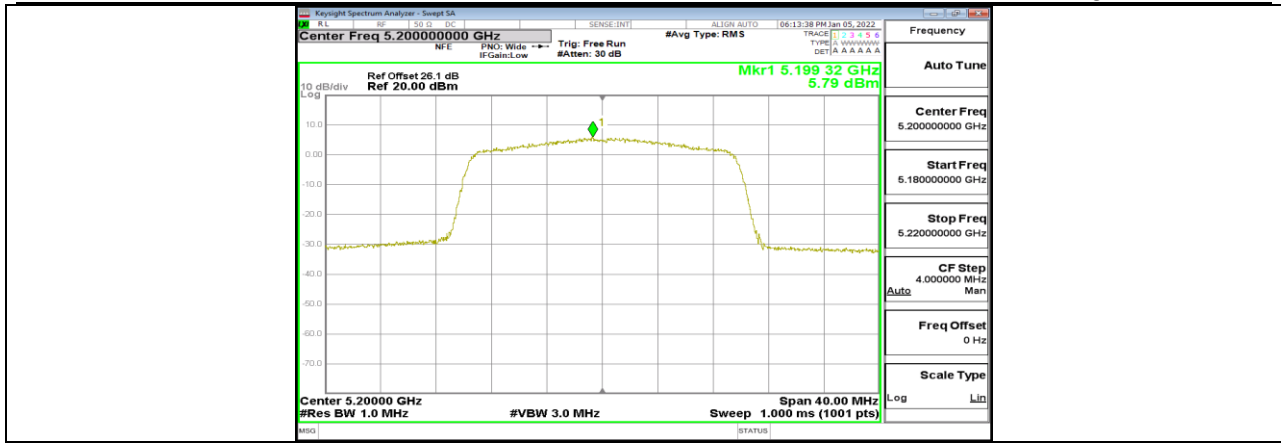
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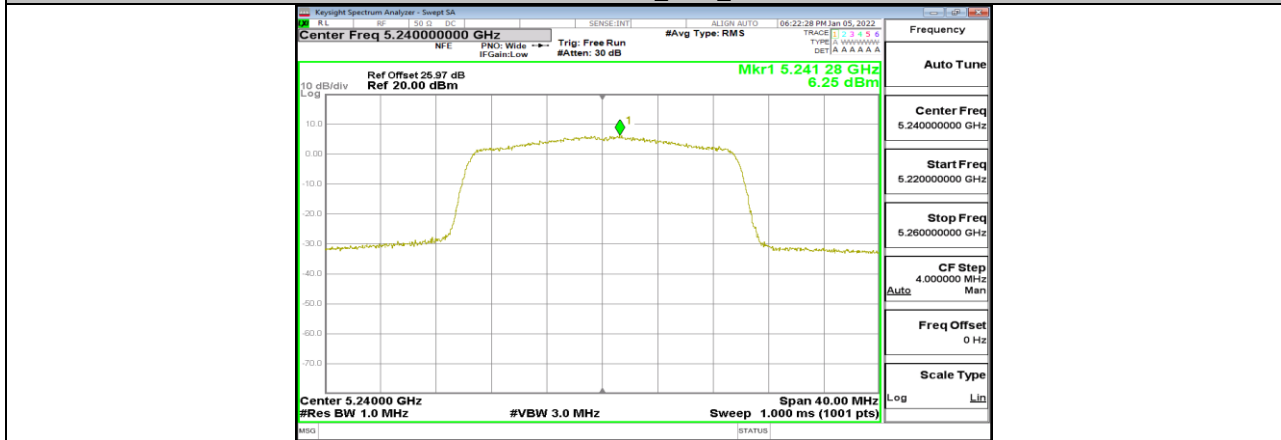
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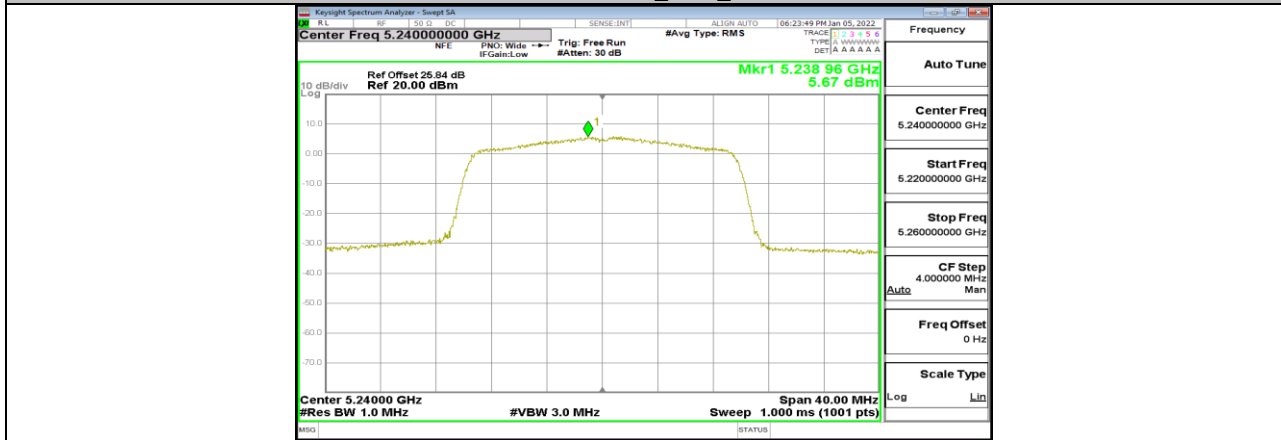
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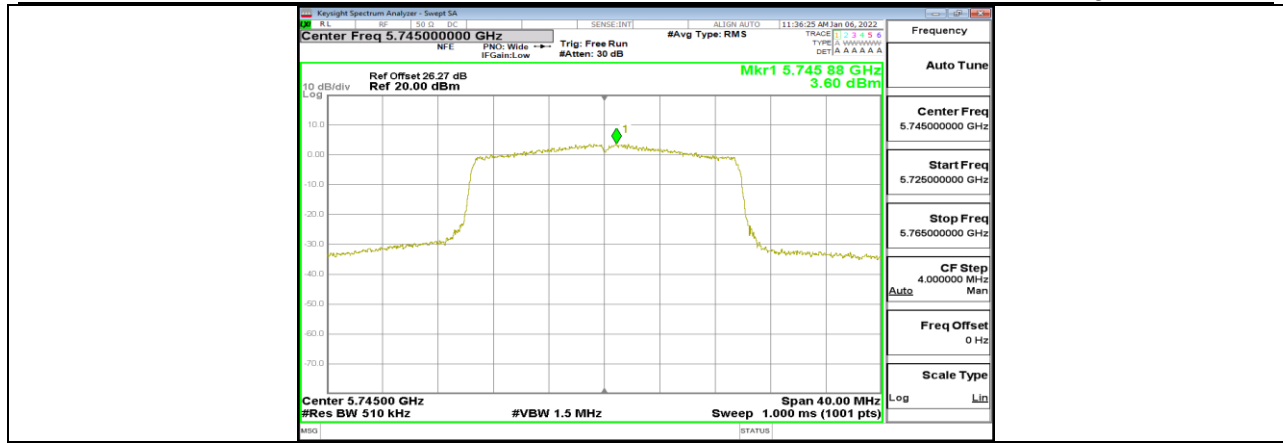
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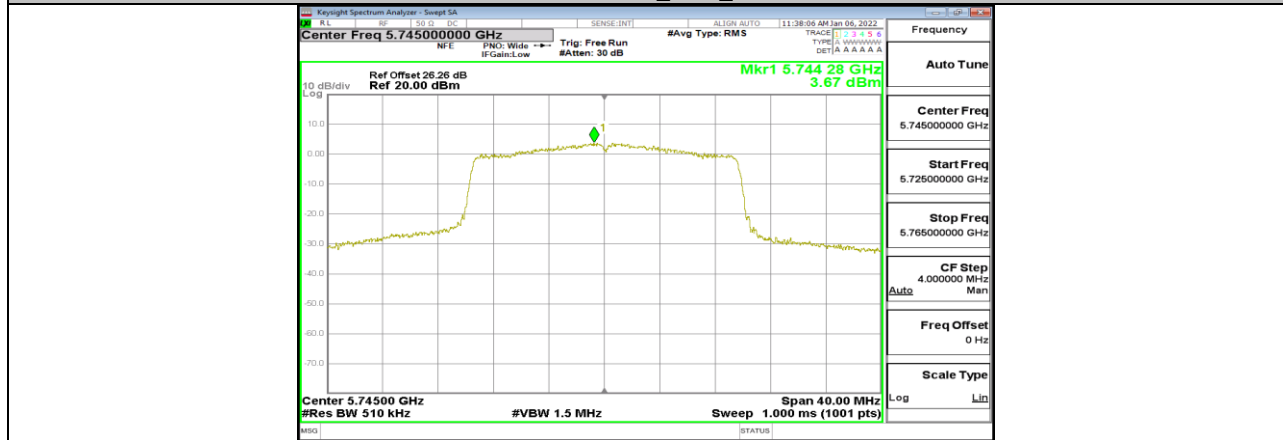
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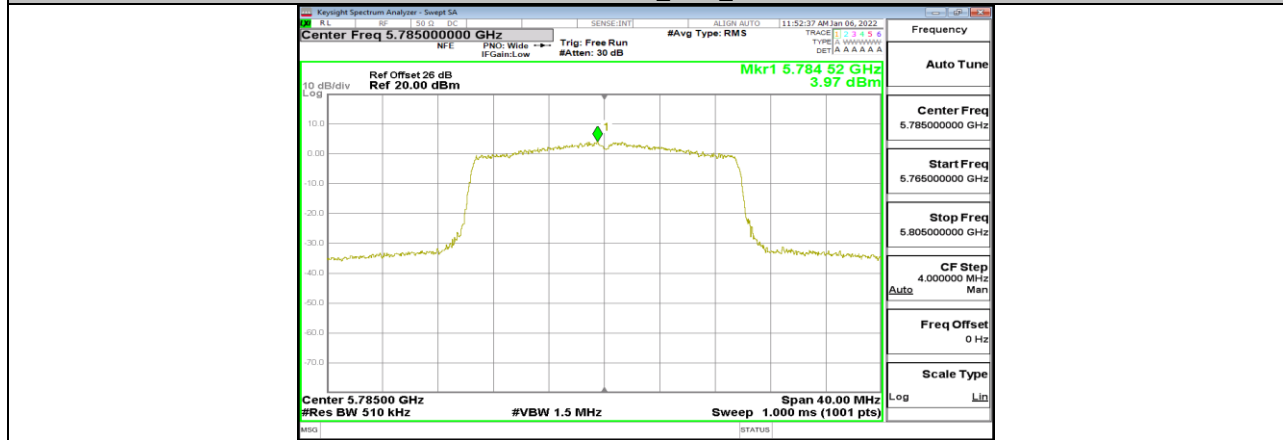
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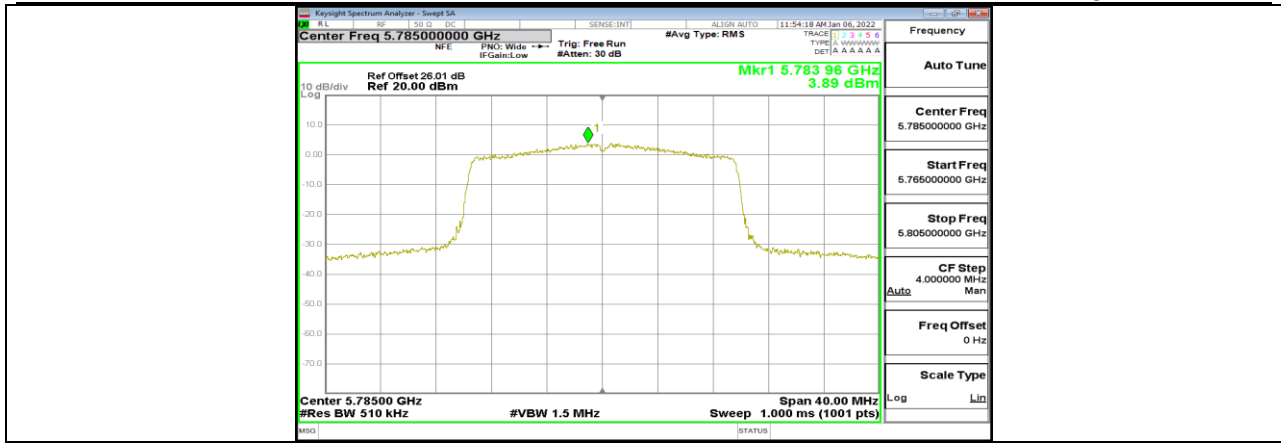
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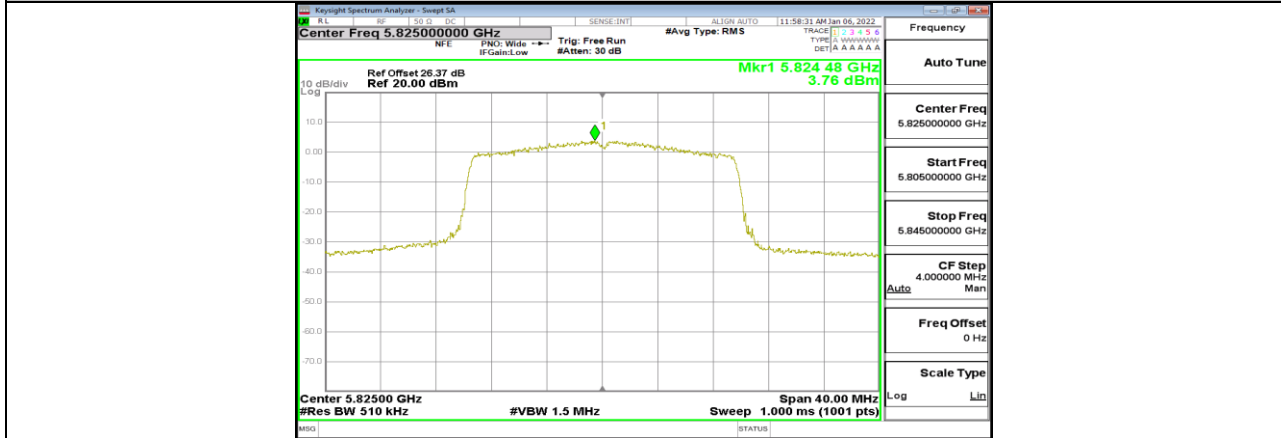
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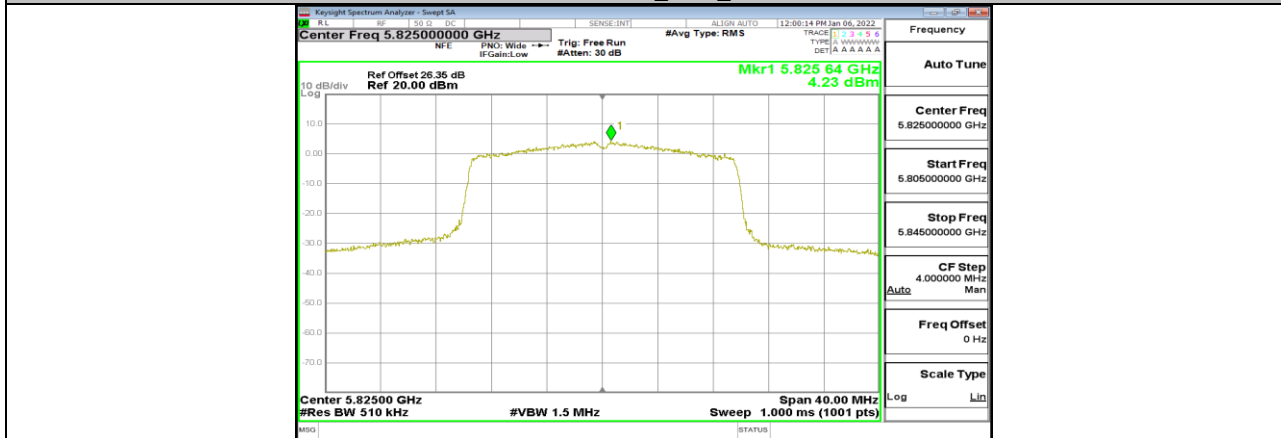
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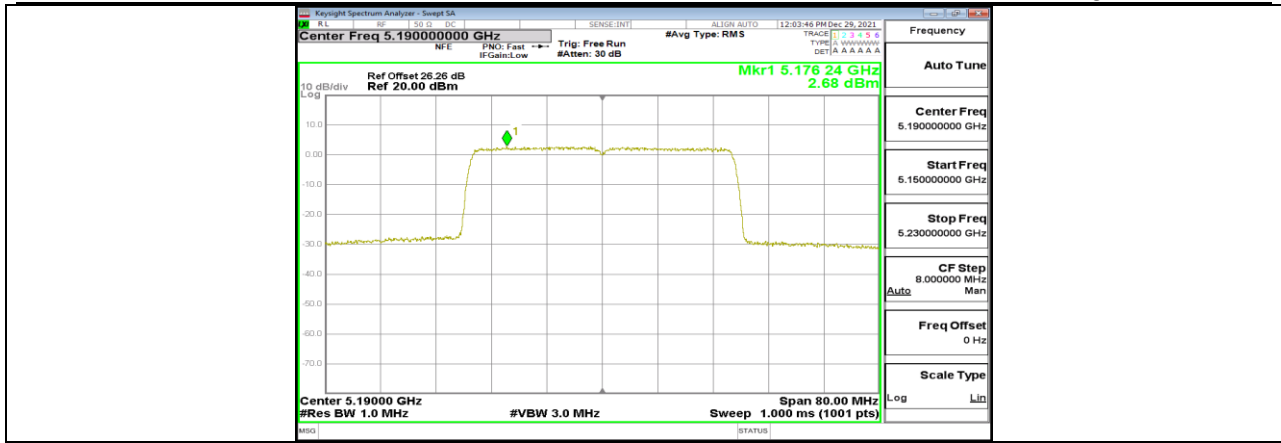
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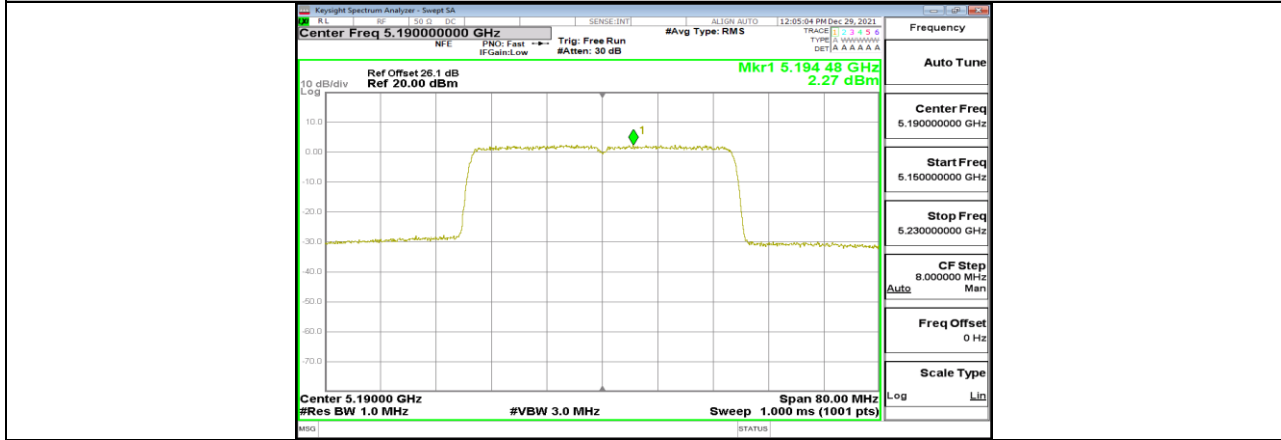
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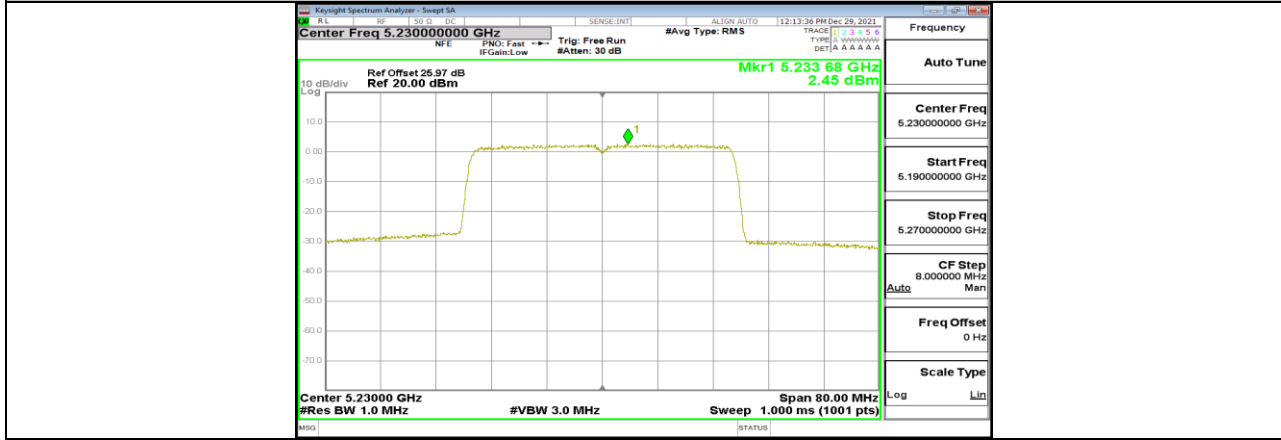
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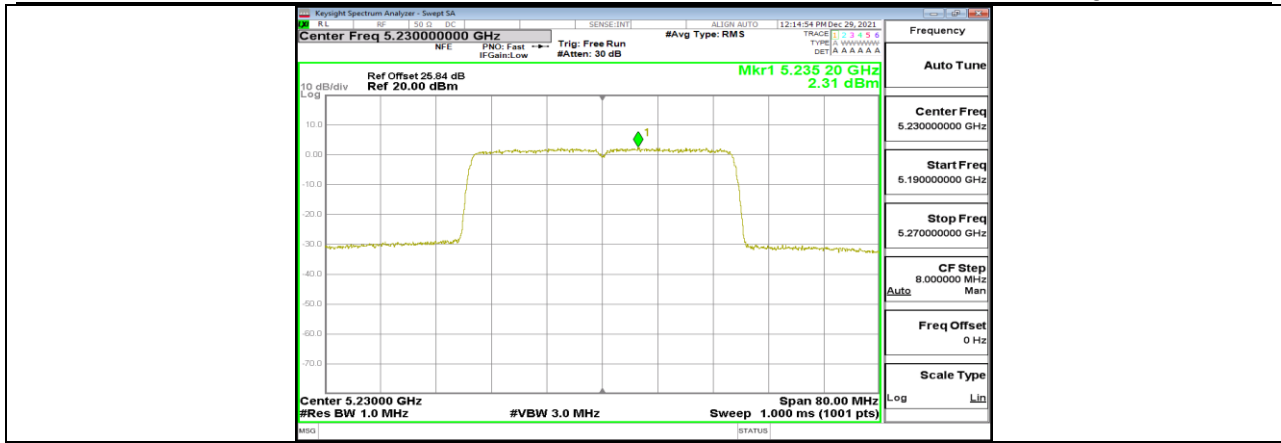
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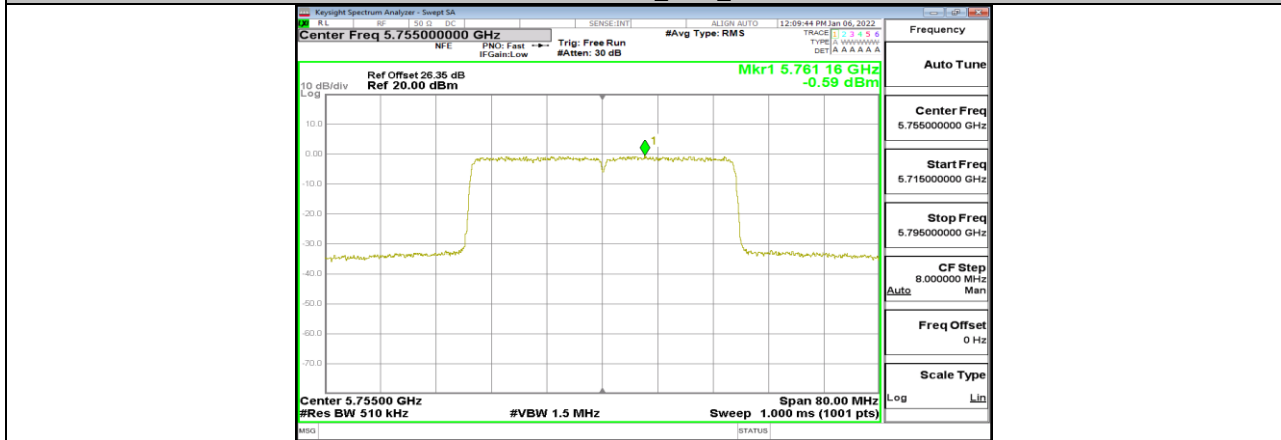
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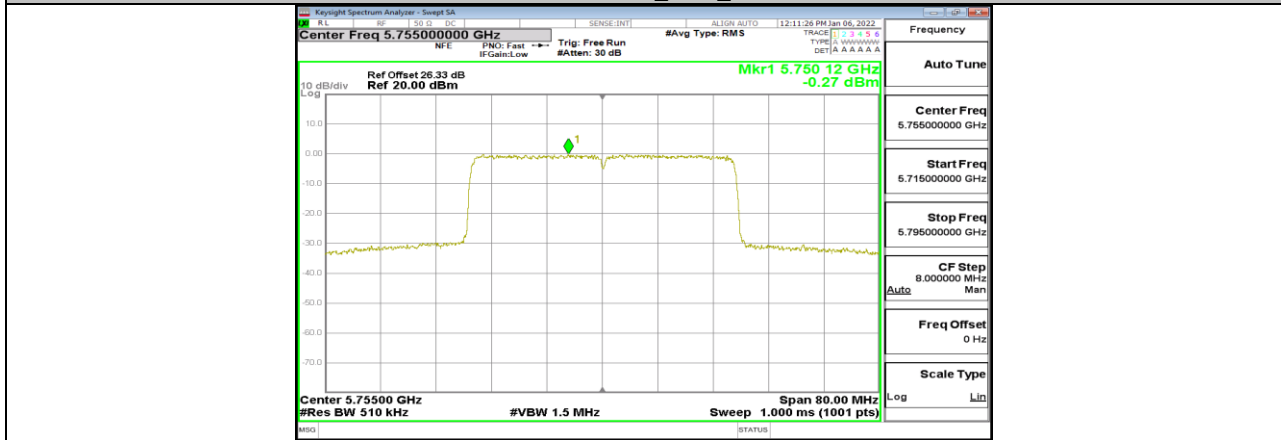
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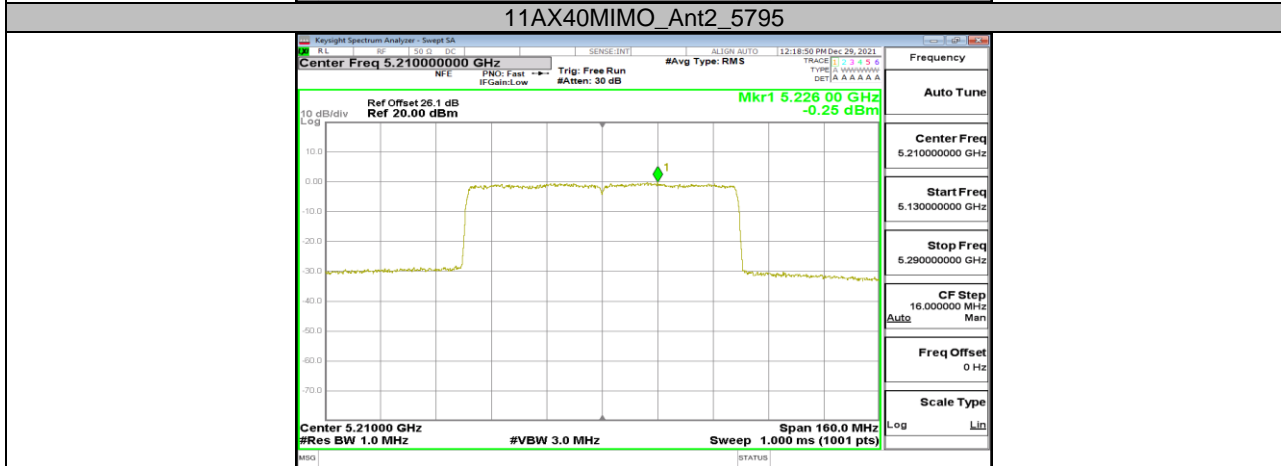
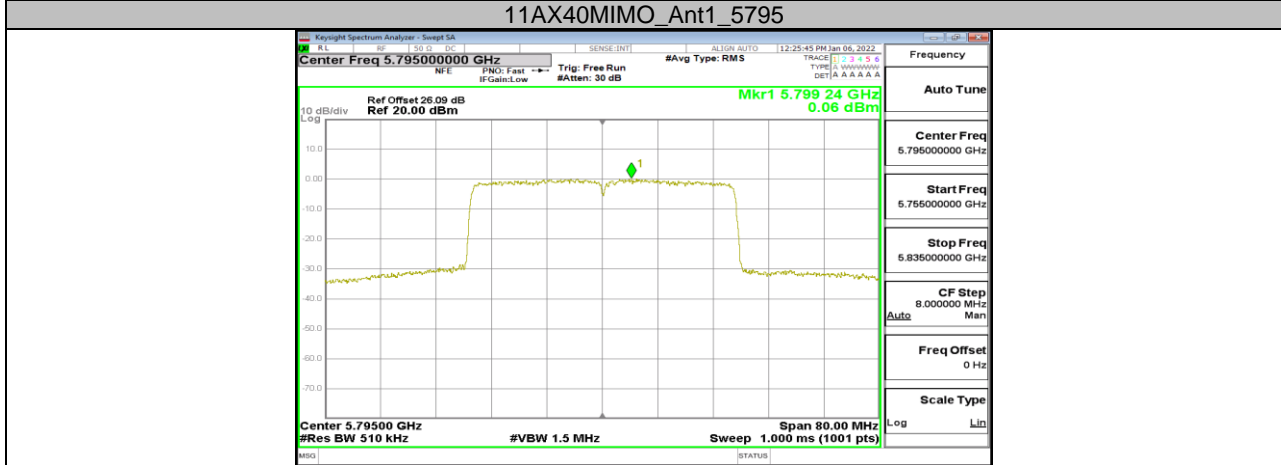
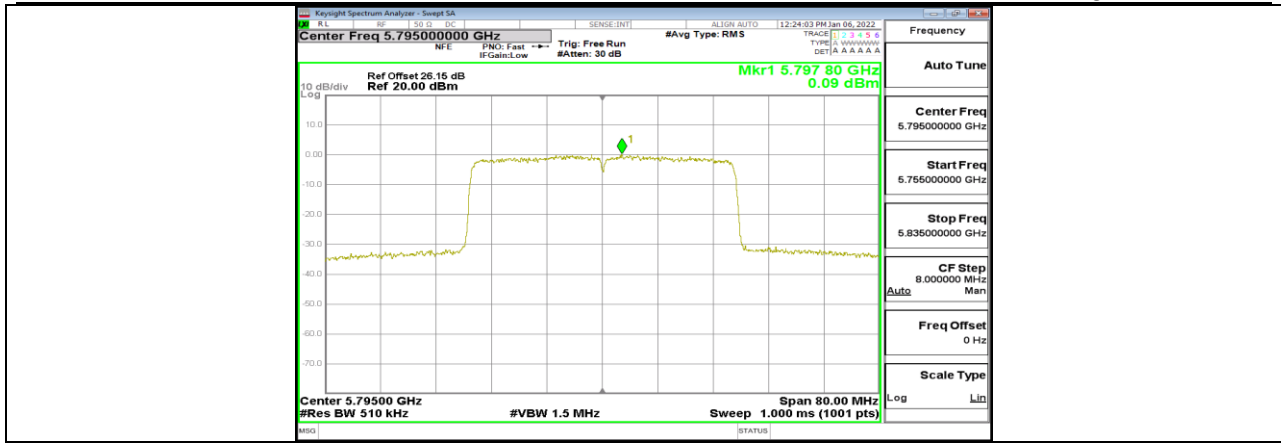
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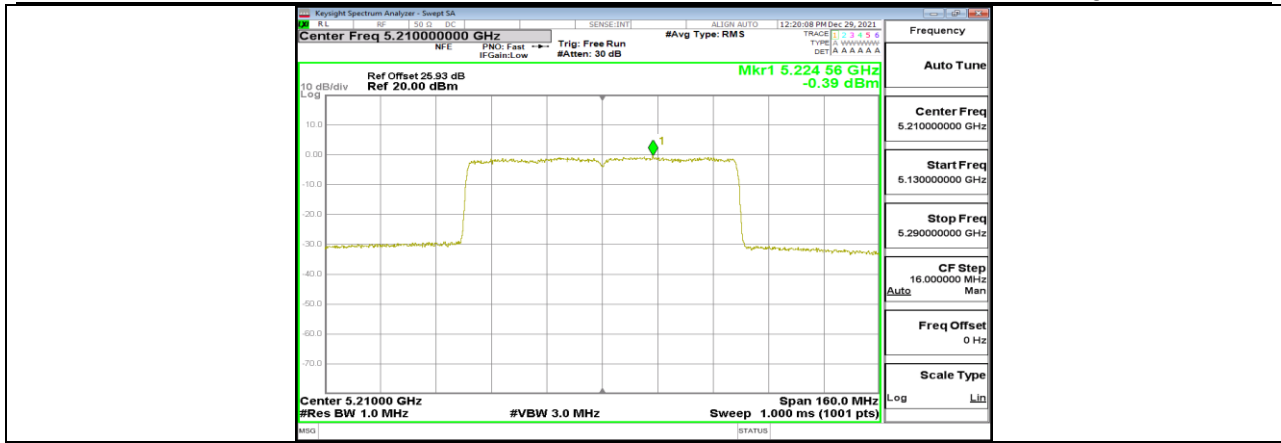


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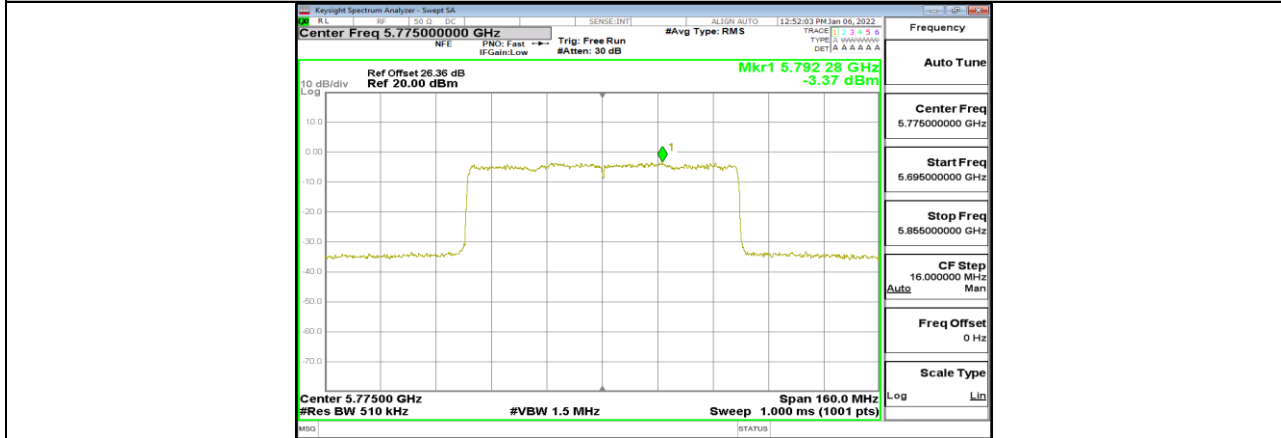


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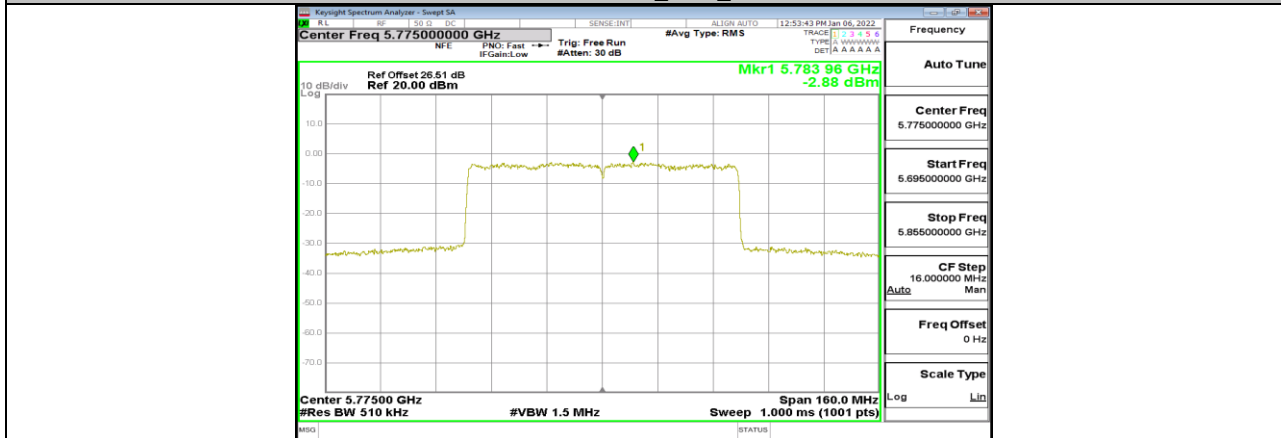




11AX80MIMO_Ant2_5210



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775



12.6. Appendix D: Frequency Stability
12.6.1. 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	5199.9830	-3.26	5199.9995	-0.09	5199.9952	-0.93	5200.0066	1.27
T _N	V _N	5200.0005	0.09	5200.0105	2.03	5199.9956	-0.84	5200.0244	4.69
T _N	V _H	5199.9810	-3.66	5200.0099	1.90	5200.0102	1.97	5199.9766	-4.50

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	5200.0098	1.88	5199.9890	-2.12	5199.9905	-1.84	5199.9769	-4.44
30	V _N	5200.0065	1.25	5200.0124	2.39	5199.9938	-1.18	5200.0214	4.12
20	V _N	5200.0110	2.12	5200.0061	1.18	5199.9945	-1.07	5199.9959	-0.78
10	V _N	5200.0034	0.65	5199.9798	-3.89	5199.9876	-2.38	5200.0069	1.32
0	V _N	5200.0169	3.25	5200.0048	0.92	5200.0105	2.02	5200.0060	1.15

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	5824.9870	-2.23	5824.9835	-2.84	5824.9762	-4.09	5825.0159	2.73
T _N	V _N	5824.9787	-3.66	5825.0060	1.03	5825.0115	1.98	5825.0186	3.20
T _N	V _H	5825.0019	0.32	5825.0163	2.81	5824.9886	-1.95	5824.9828	-2.96

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	5825.0051	0.87	5824.9867	-2.28	5824.9916	-1.45	5824.9811	-3.24
30	V _N	5824.9956	-0.76	5824.9913	-1.49	5824.9808	-3.29	5824.9927	-1.26
20	V _N	5825.0227	3.89	5825.0059	1.01	5825.0087	1.50	5824.9840	-2.74
10	V _N	5825.0103	1.76	5825.0071	1.22	5824.9893	-1.84	5825.0183	3.13
0	V _N	5824.9966	-0.59	5825.0174	2.99	5824.9832	-2.89	5824.9933	-1.16

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



12.7. Appendix E: Duty Cycle

12.7.1. Test Result

Test Mode	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	2.79	2.81	0.9929	99.29	0.03	0.36	0.01
11N20MIMO	1.32	1.34	0.9851	98.51	0.07	0.76	0.01
11N40MIMO	0.66	0.68	0.9706	97.06	0.13	1.52	2
11AC80MIMO	0.33	0.35	0.9429	94.29	0.26	3.03	4
11AX20MIMO	1.99	2.01	0.9900	99.00	0.04	0.50	0.01
11AX40MIMO	1.03	1.05	0.9810	98.10	0.08	0.97	0.01
11AX80MIMO	0.52	0.54	0.9630	96.30	0.16	1.92	2

Note:

Duty Cycle Correction Factor=10log (1/x).

Where: x is Duty Cycle (Linear)

Where: T is On Time

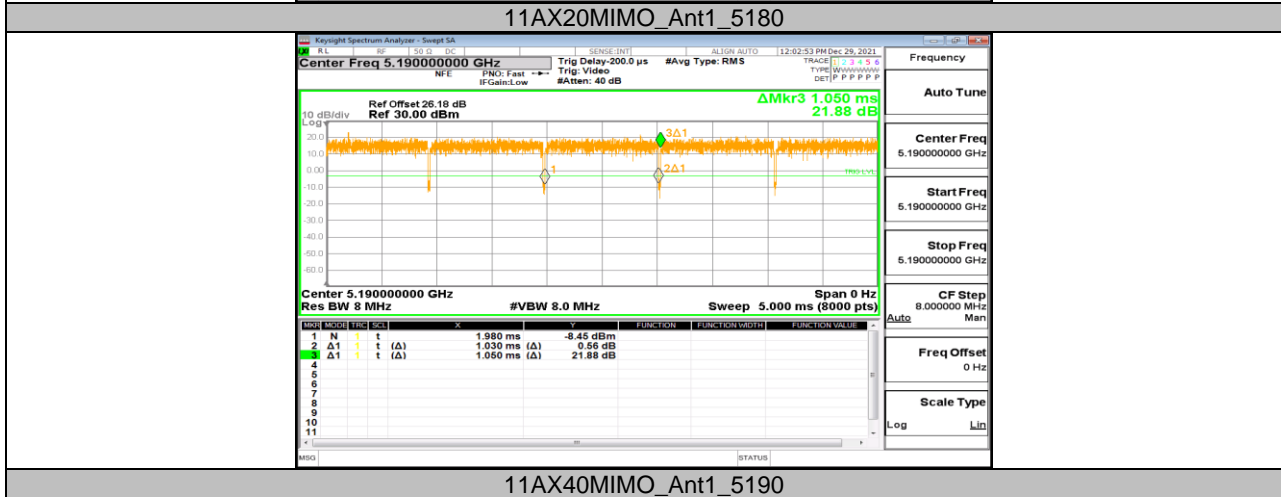
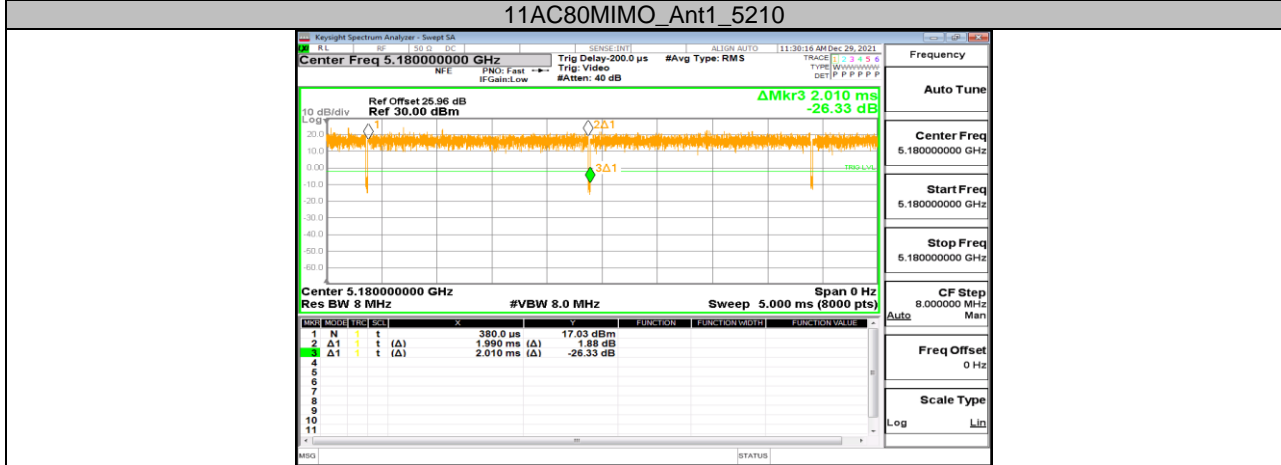
If that calculated VBW is not available on the analyzer then the next higher value should be used.

If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW \leq RBW/100 (i.e., 10 kHz) but not less than 10 Hz.



12.7.1. Test Graphs







END OF REPORT