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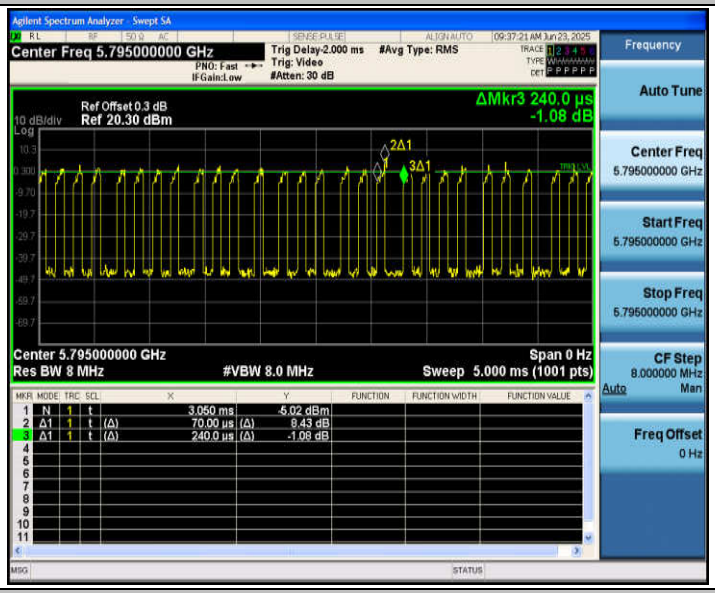

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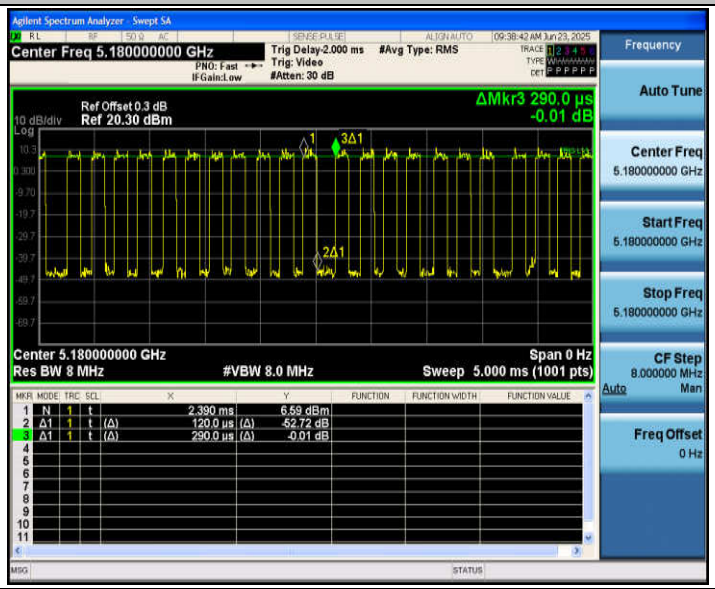

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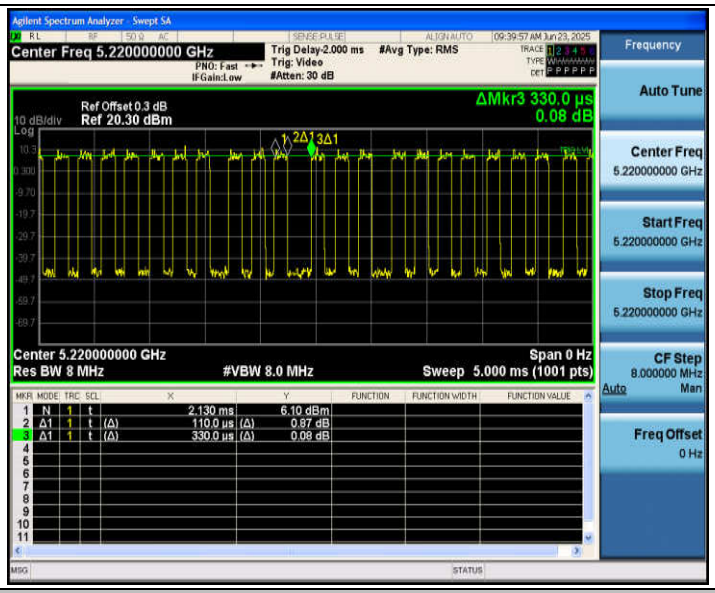

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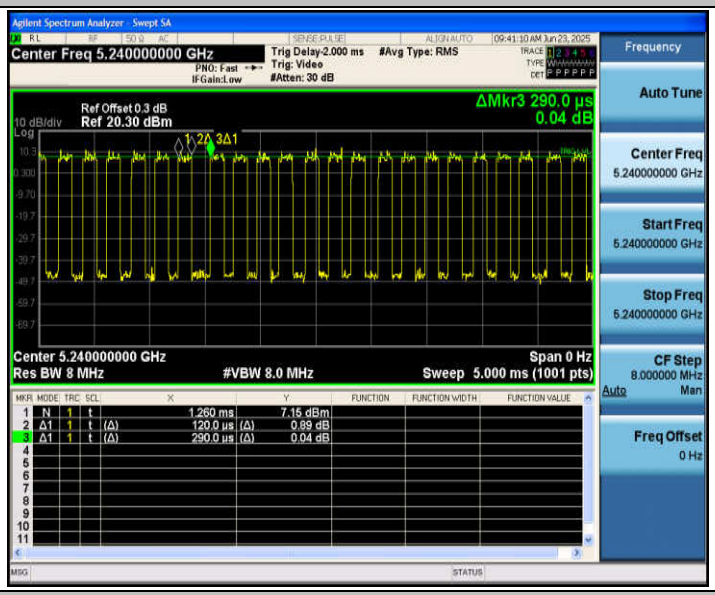

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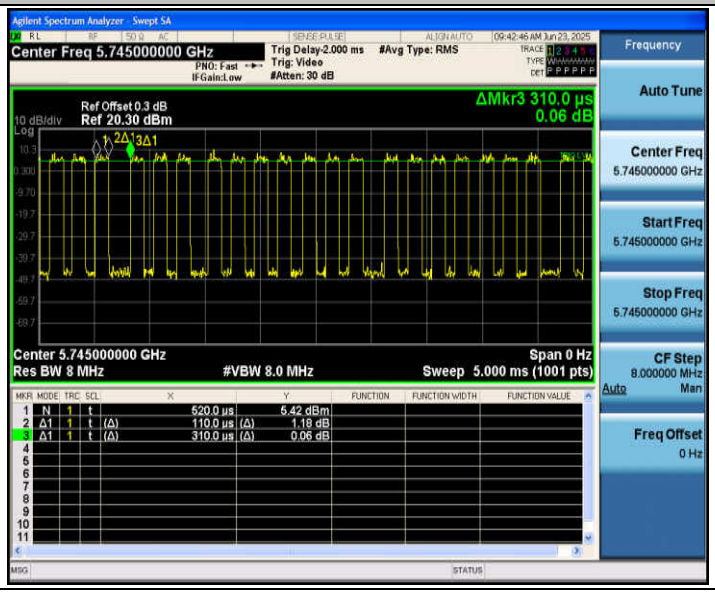

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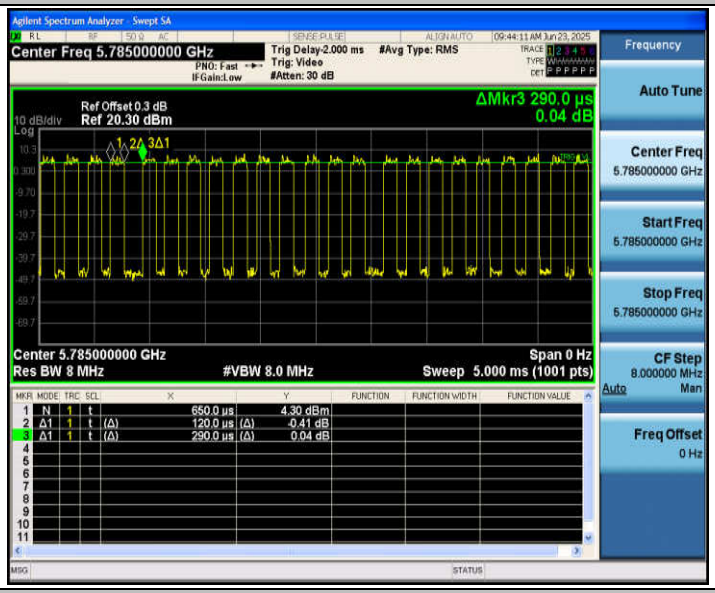

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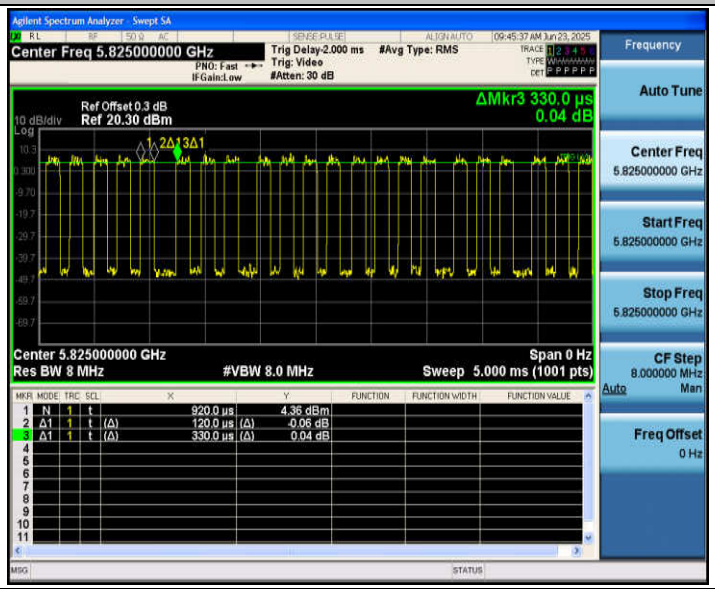

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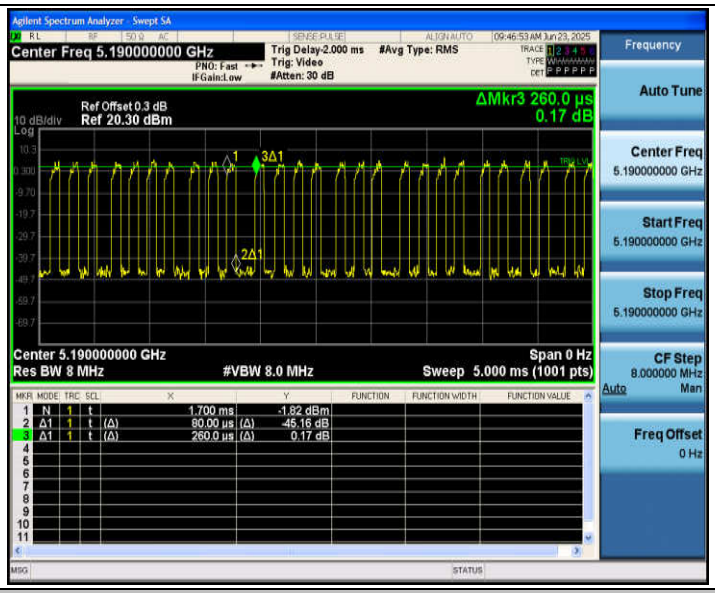

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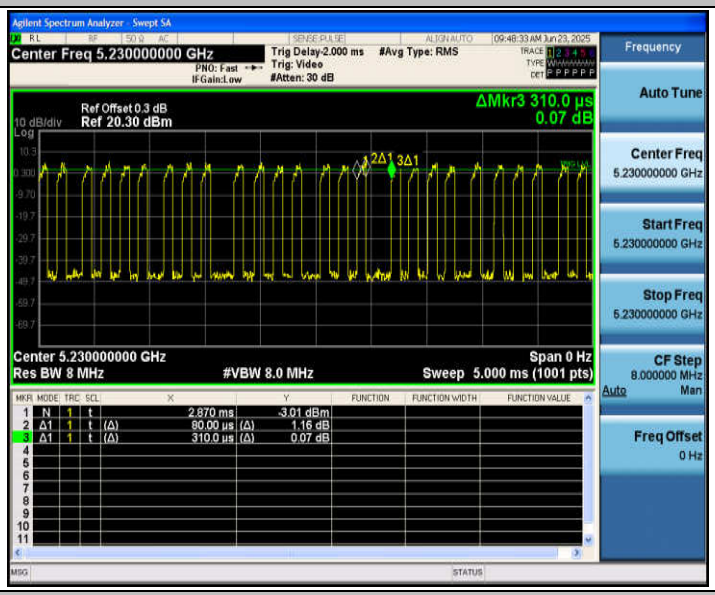

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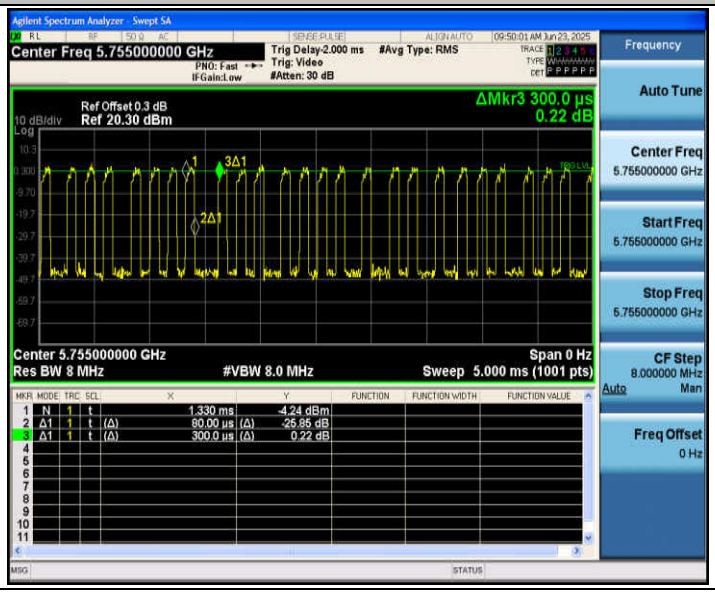

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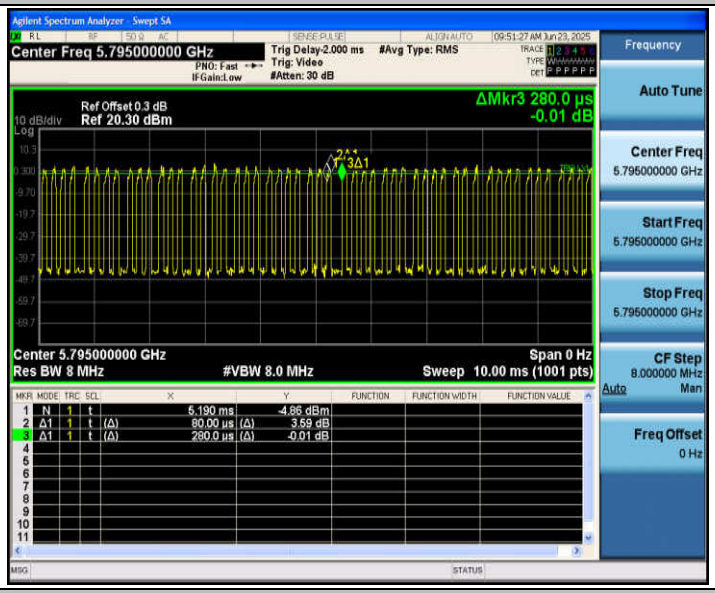

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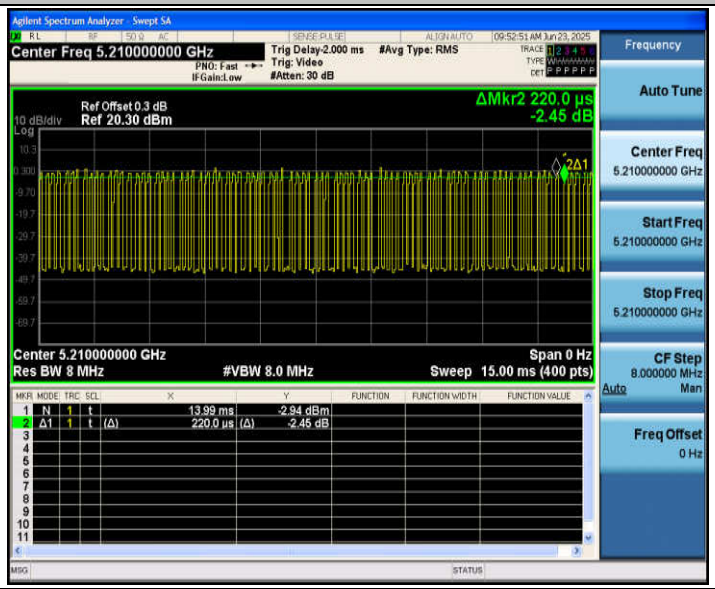

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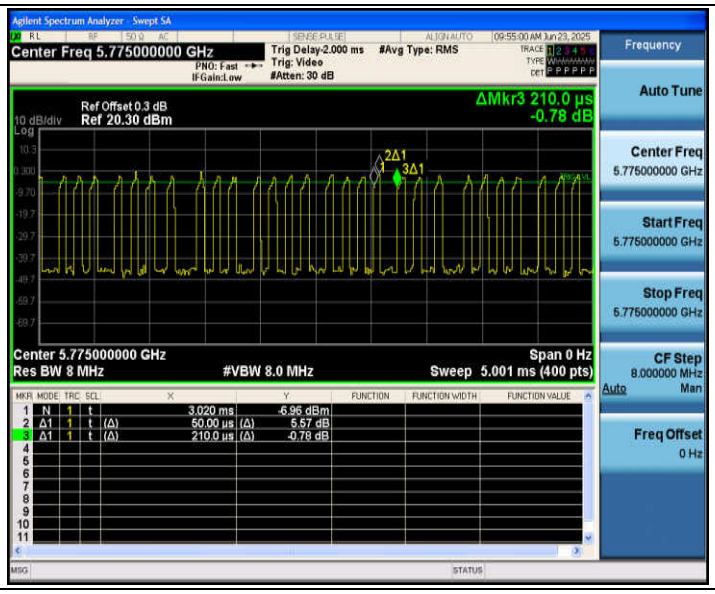

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.775000000 GHz
Trig Delay-2.000 ms
Trig: Video
#Atten: 30 dB
#Avg Type: RMS
Ref Offset 0.3 dB
10 dB/div
Ref 20.30 dBm
ΔMkr3 210.0 µs
-0.78 dB
Center 5.775000000 GHz
Span 0 Hz
Res BW 8 MHz
#VBW 8.0 MHz
Sweep 5.001 ms (400 pts)
1 N 1 t 3.020 ms -6.96 dBm
2 Δ1 1 t (Δ) 50.00 µs (Δ) 5.57 dB
3 Δ1 1 t (Δ) 210.0 µs (Δ) -0.78 dB
Frequency
Auto Tune
Center Freq
5.775000000 GHz
Start Freq
5.775000000 GHz
Stop Freq
5.775000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	1.98	4.21	6.19	≤23.98	PASS
		5220	1.83	4.47	6.30	≤23.98	PASS
		5240	2.08	4.36	6.44	≤23.98	PASS
		5745	0.56	4.36	4.92	≤30.00	PASS
		5785	-0.41	4.64	4.23	≤30.00	PASS
		5825	-0.42	4.26	3.84	≤30.00	PASS
11N20SISO	Ant1	5180	1.89	4.64	6.53	≤23.98	PASS
		5220	1.86	4.06	5.92	≤23.98	PASS
		5240	2.11	4.77	6.88	≤23.98	PASS
		5745	0.60	4.36	4.96	≤30.00	PASS
		5785	-0.40	3.98	3.58	≤30.00	PASS
		5825	-0.51	4.77	4.26	≤30.00	PASS
11N40SISO	Ant1	5190	-1.32	6.32	5.00	≤23.98	PASS
		5230	-1.06	5.70	4.64	≤23.98	PASS
		5755	-2.23	6.17	3.94	≤30.00	PASS
		5795	-2.90	5.35	2.45	≤30.00	PASS
11AC20SISO	Ant1	5180	1.98	3.83	5.81	≤23.98	PASS
		5220	2.01	4.77	6.78	≤23.98	PASS
		5240	2.17	3.83	6.00	≤23.98	PASS
		5745	0.68	4.50	5.18	≤30.00	PASS
		5785	-0.27	3.83	3.56	≤30.00	PASS
		5825	-0.32	4.39	4.07	≤30.00	PASS
11AC40SISO	Ant1	5190	-0.60	5.12	4.52	≤23.98	PASS
		5230	-0.68	5.88	5.20	≤23.98	PASS
		5755	-1.97	5.74	3.77	≤30.00	PASS
		5795	-2.66	5.44	2.78	≤30.00	PASS
11AC80SISO	Ant1	5210	-1.75	7.40	5.65	≤23.98	PASS
		5775	-3.81	6.23	2.42	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

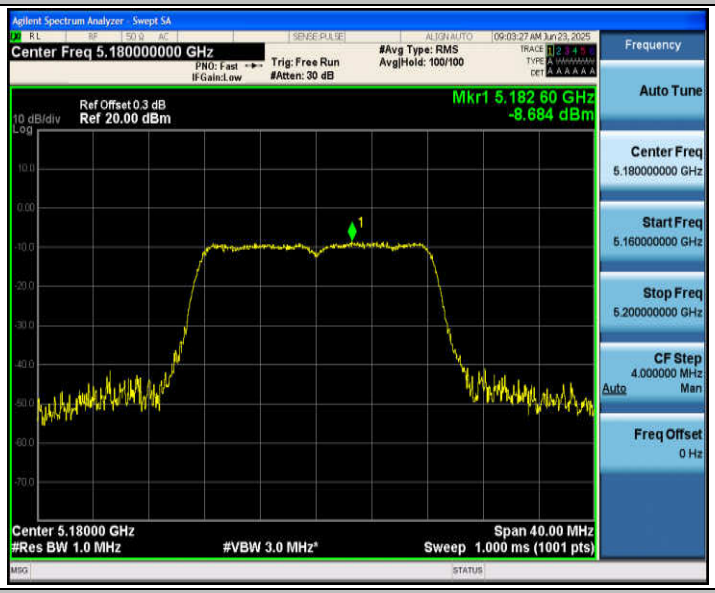
TestMode	Antenna	Freq(MHz)	Result [dBm/1MHz] For 5.2G / Result [dBm/300KHz] For 5.8G	RBW Factor (dB)	Duty factor (dB)	Result [dBm/MHz] For 5.2G / Result [dBm/500kHz] For 5.8G	Limit[dBm/MHz] For 5.2G / Limit[dBm/MHz] For 5.8G	Verdict
11A	Ant1	5180	-8.684	/	4.21	-4.47	≤11.00	PASS
		5220	-8.683	/	4.47	-4.21	≤11.00	PASS
		5240	-8.254	/	4.36	-3.89	≤11.00	PASS
		5745	-14.325	2.22	4.36	-7.75	≤30.00	PASS
		5785	-15.695	2.22	4.64	-8.84	≤30.00	PASS
		5825	-16.045	2.22	4.26	-9.57	≤30.00	PASS
11N20SISO	Ant1	5180	-8.795	/	4.64	-4.16	≤11.00	PASS
		5220	-8.962	/	4.06	-4.90	≤11.00	PASS
		5240	-8.540	/	4.77	-3.77	≤11.00	PASS
		5745	-13.084	2.22	4.36	-7.22	≤30.00	PASS
		5785	-15.616	2.22	3.98	-9.42	≤30.00	PASS
		5825	-15.055	2.22	4.77	-8.07	≤30.00	PASS
11N40SISO	Ant1	5190	-14.648	/	6.32	-8.33	≤11.00	PASS
		5230	-14.409	/	5.70	-8.71	≤11.00	PASS
		5755	-19.136	2.22	6.17	-10.75	≤30.00	PASS
		5795	-19.826	2.22	5.35	-12.26	≤30.00	PASS
11AC20SISO	Ant1	5180	-8.687	/	3.83	-4.86	≤11.00	PASS
		5220	-8.937	/	4.77	-4.17	≤11.00	PASS
		5240	-8.691	/	3.83	-4.86	≤11.00	PASS
		5745	-14.084	2.22	4.50	-7.36	≤30.00	PASS
		5785	-14.992	2.22	3.83	-8.94	≤30.00	PASS
		5825	-15.518	2.22	4.39	-8.91	≤30.00	PASS
11AC40SISO	Ant1	5190	-14.199	/	5.12	-9.08	≤11.00	PASS
		5230	-14.138	/	5.88	-8.26	≤11.00	PASS
		5755	-19.468	2.22	5.74	-11.51	≤30.00	PASS
		5795	-20.082	2.22	5.44	-12.42	≤30.00	PASS
11AC80SISO	Ant1	5210	-18.205	/	7.40	-10.81	≤11.00	PASS
		5775	-23.655	2.22	6.23	-15.21	≤30.00	PASS

Note：1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

P.S.D(dBm/500KHz)= P.S.D(dBm/300KHz)+10 log (500 kHz/300KHz).

2. RBW factor= 10 log (500 KHz /300 KHz) = 2.22 dB

Test Graphs

11A_Ant1_5180

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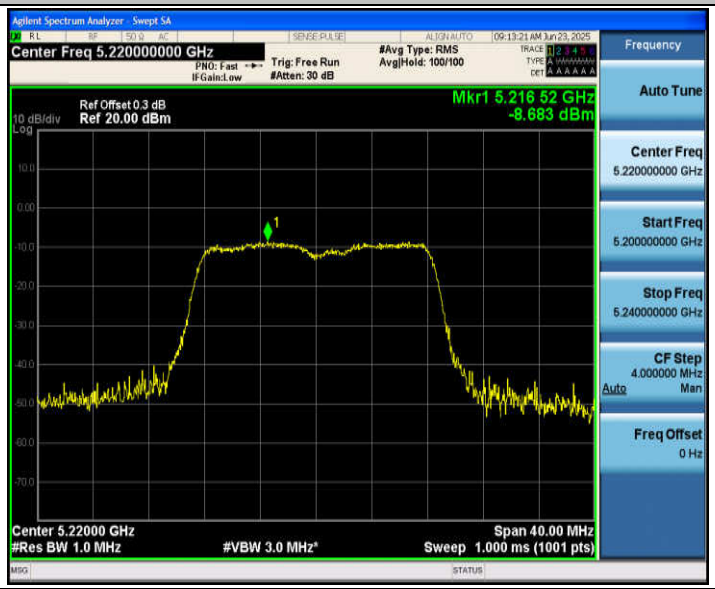
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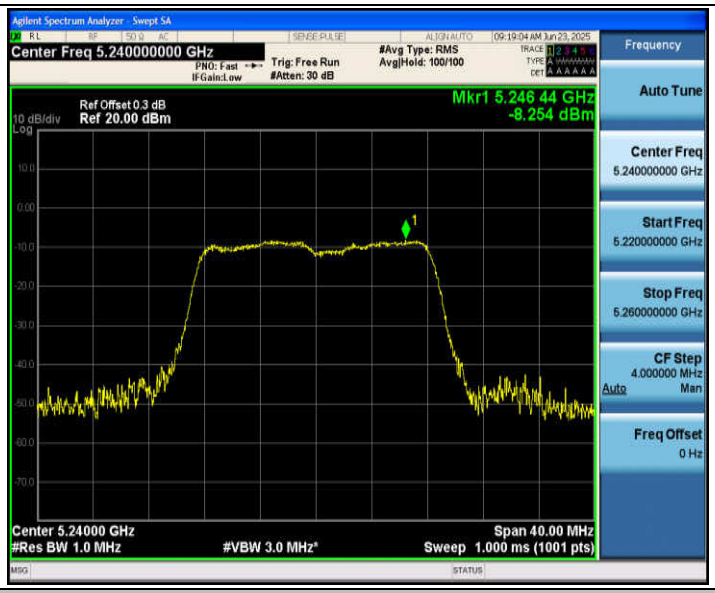
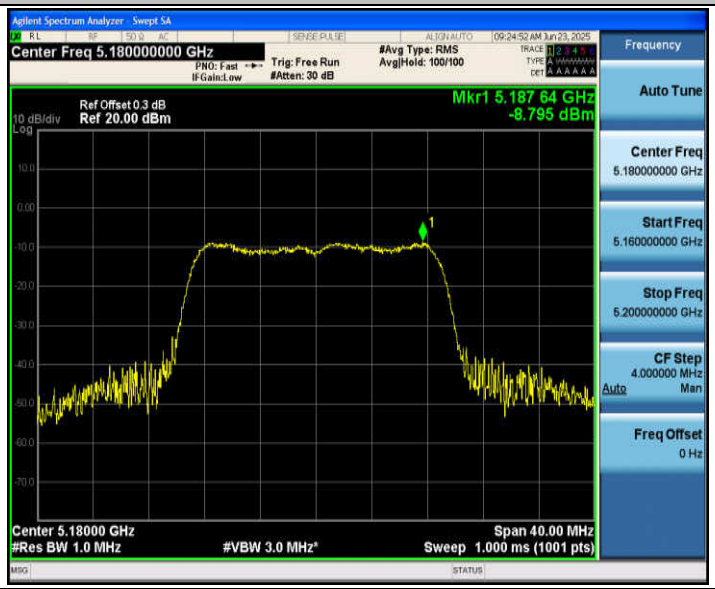


11A_Ant1_5745

11A_Ant1_5785

11A_Ant1_5825

11N20SISO_Ant1_5180



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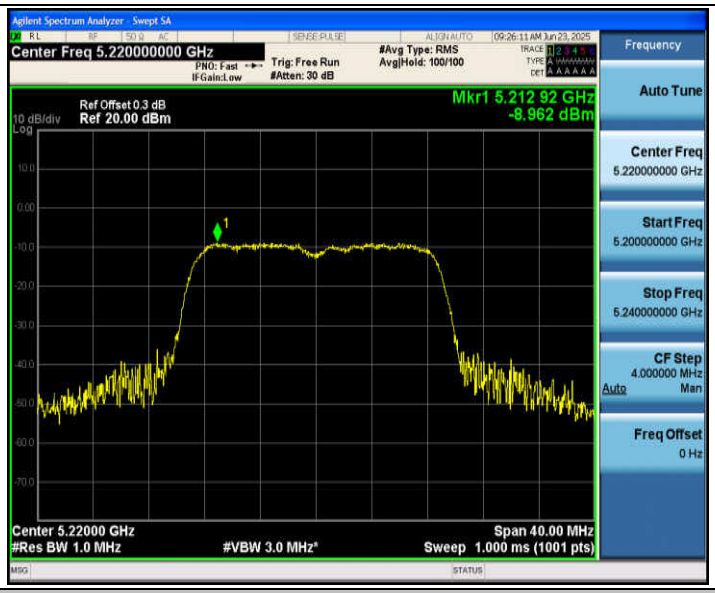

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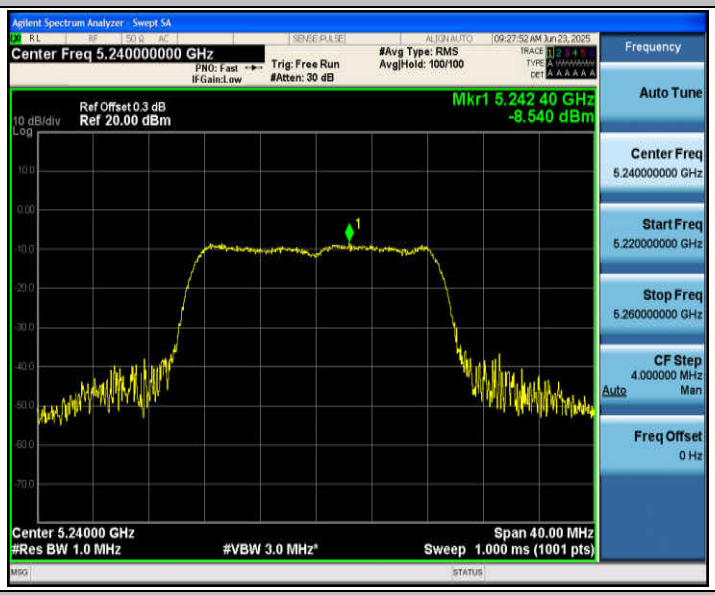


11N20SISO_Ant1_5745

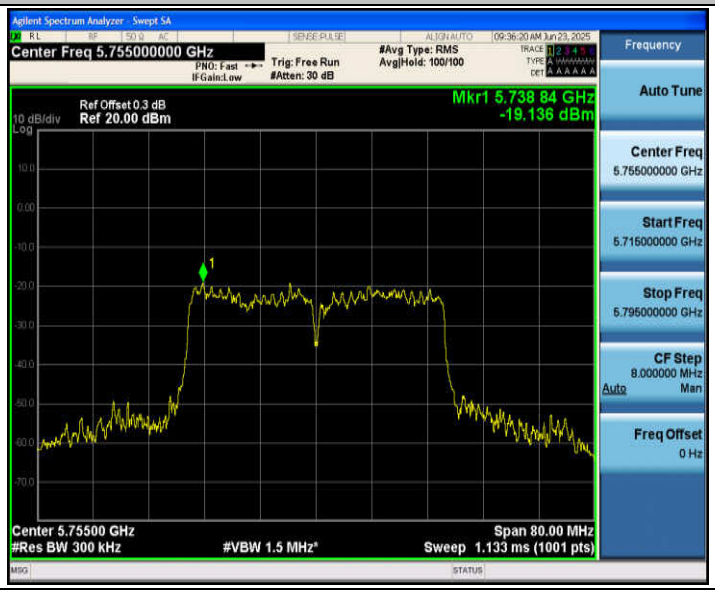
11N20SISO_Ant1_5785

11N20SISO_Ant1_5825

11N40SISO_Ant1_5190

11N40SISO_Ant1_5230

11N40SISO_Ant1_5755



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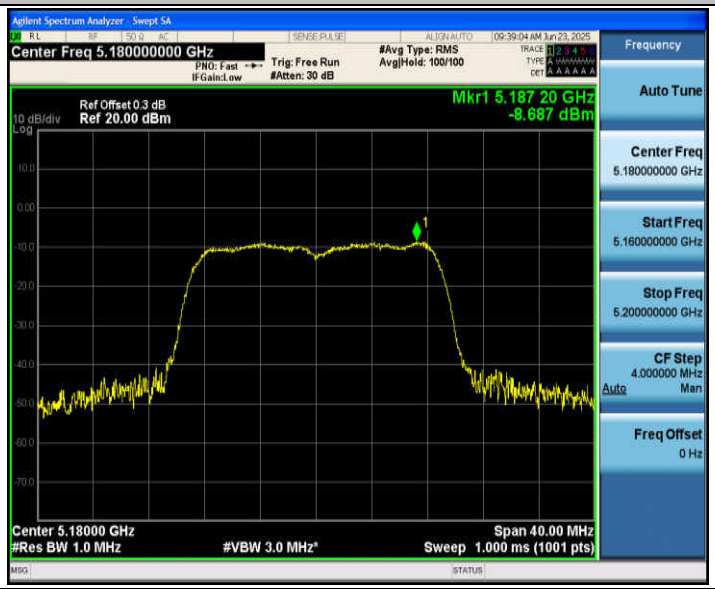

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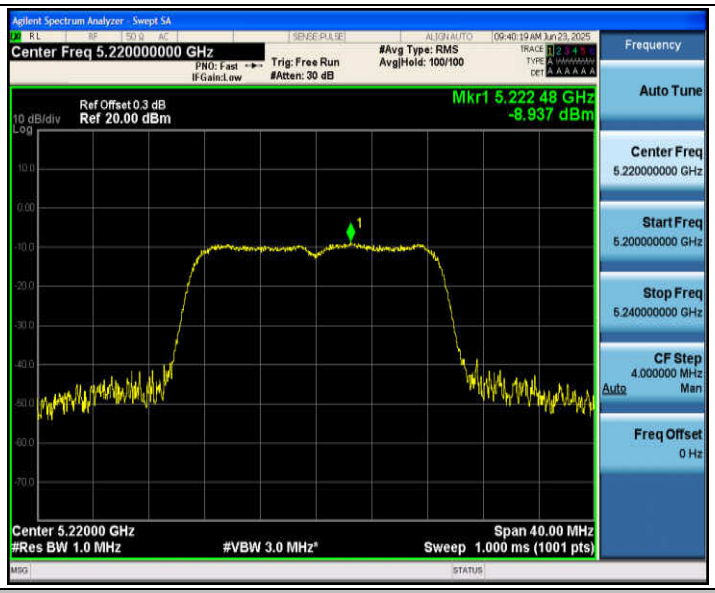

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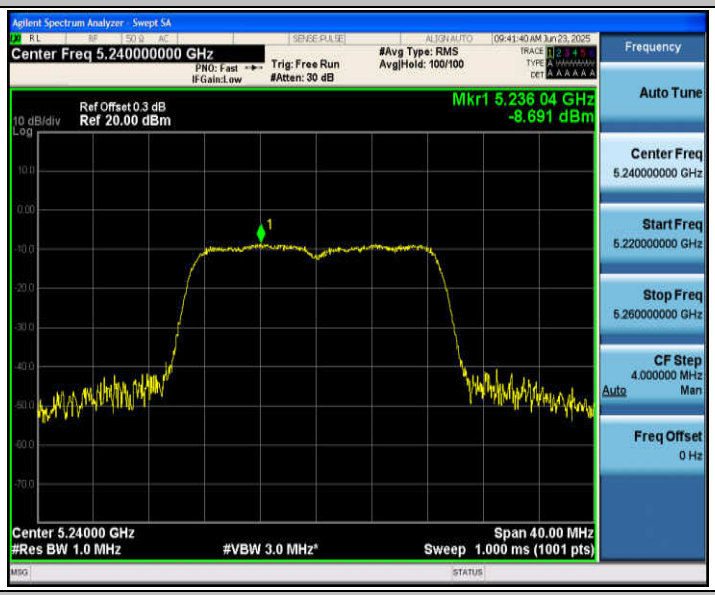

11AC20SISO_Ant1_5745

11AC20SISO_Ant1_5785

11AC20SISO_Ant1_5825

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11AC40SISO_Ant1_5230

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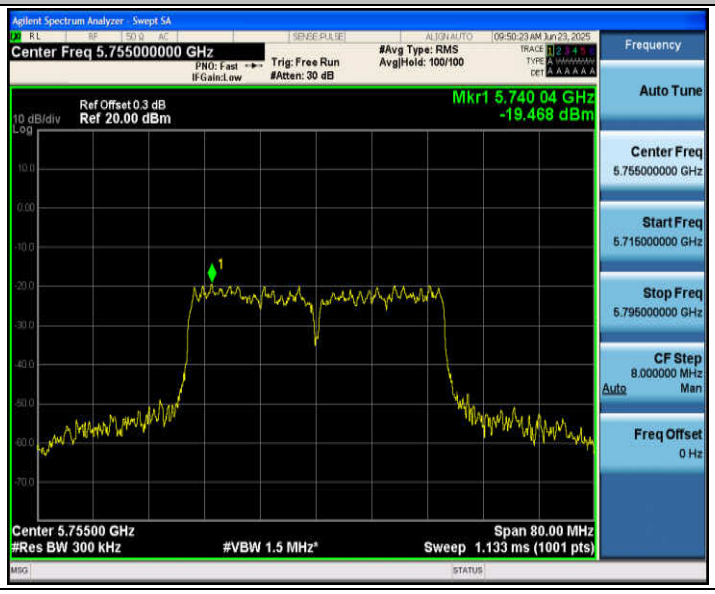

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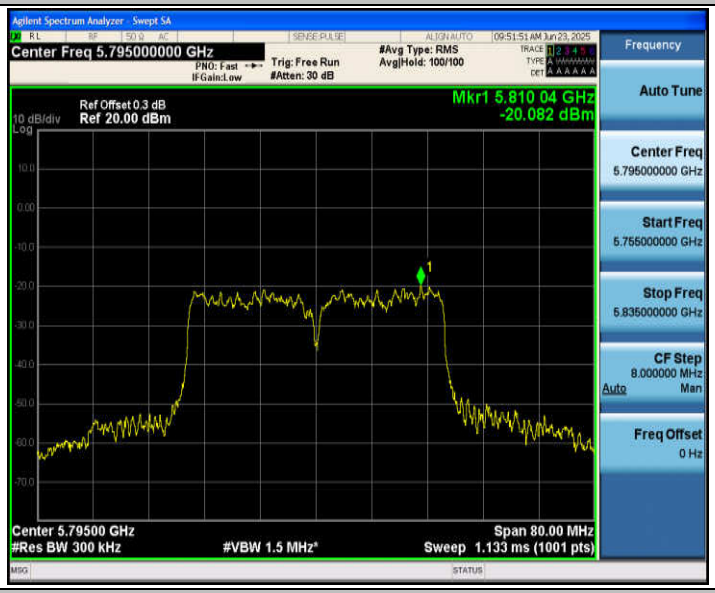

11AC80SISO_Ant1_5210

11AC80SISO_Ant1_5775

Agilent Spectrum Analyzer - Swept SA
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IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
09:55:22 AM Jun 23, 2025
Ref Offset 0.3 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.792 60 GHz
-23.655 dBm
Center 5.77500 GHz
#Res BW 300 kHz
#VBW 1.5 MHz*
Span 160.0 MHz
Sweep 2.200 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.775000000 GHz
Start Freq
5.695000000 GHz
Stop Freq
5.855000000 GHz
CF Step
16.000000 MHz
Auto
Man
Freq Offset
0 Hz