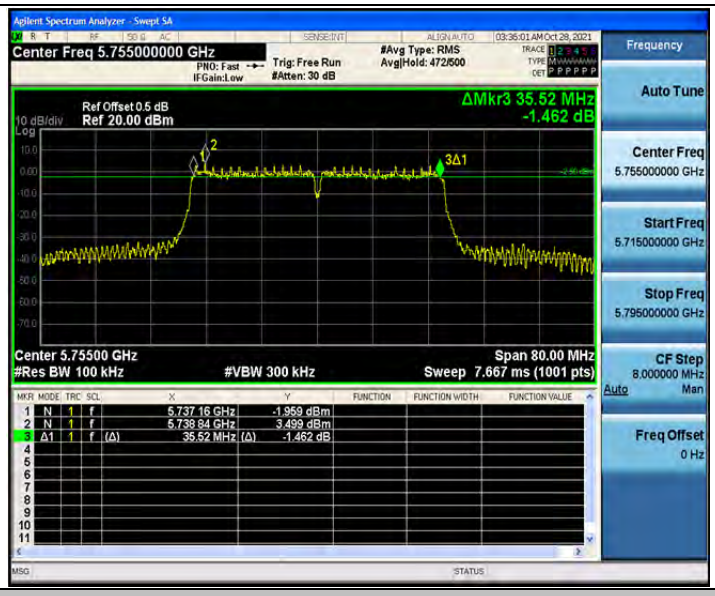
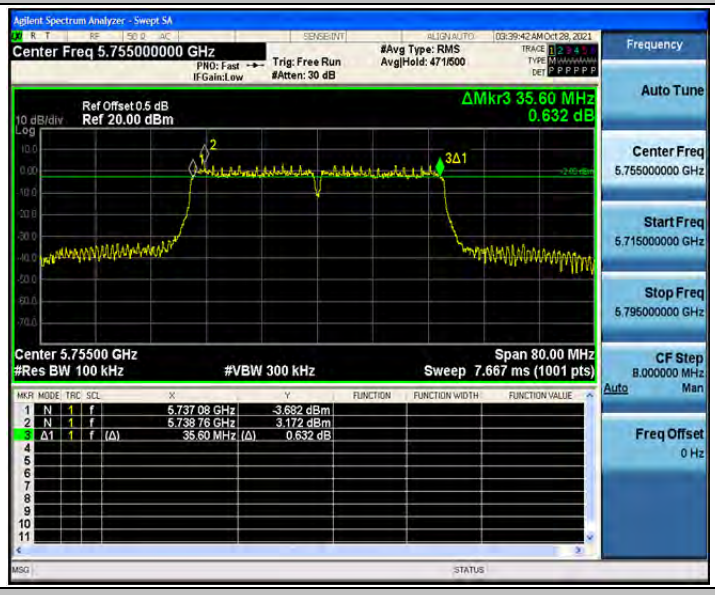
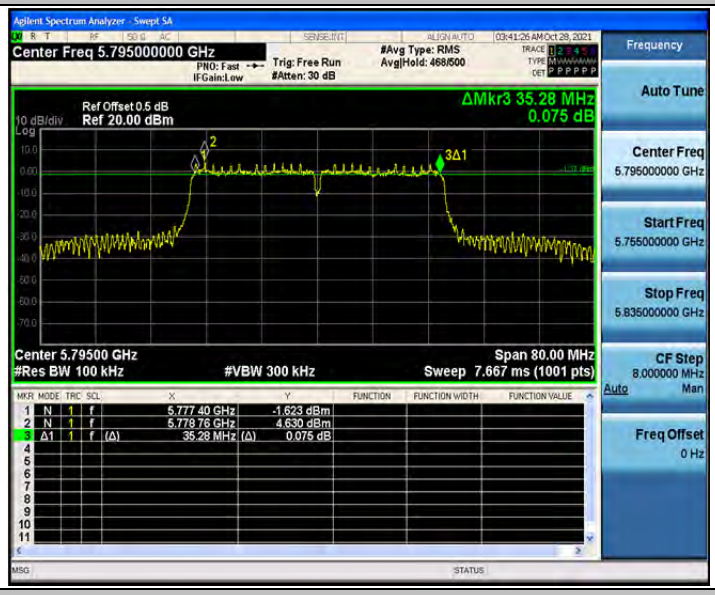


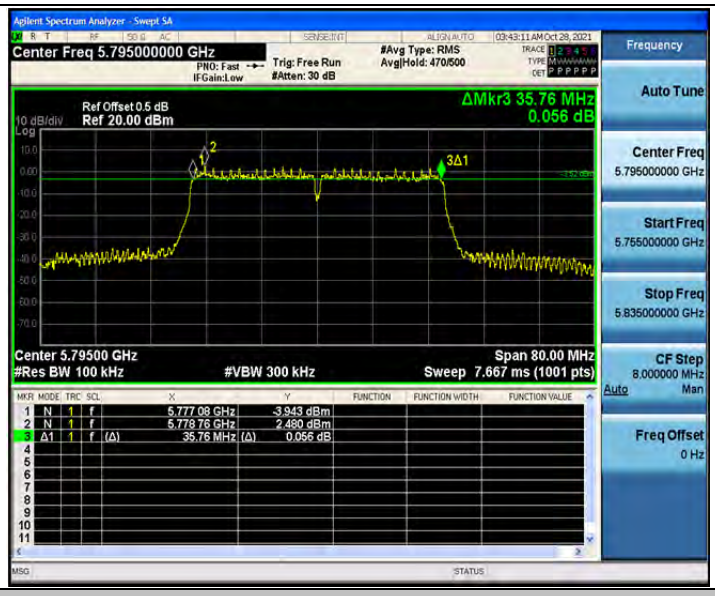
802.11n(HT40)_Ant2_5755



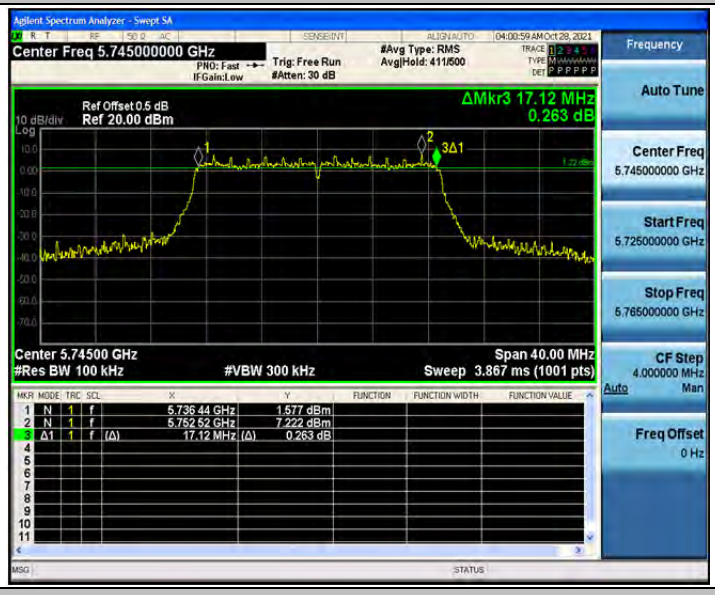
802.11n(HT40)_Ant1_5795



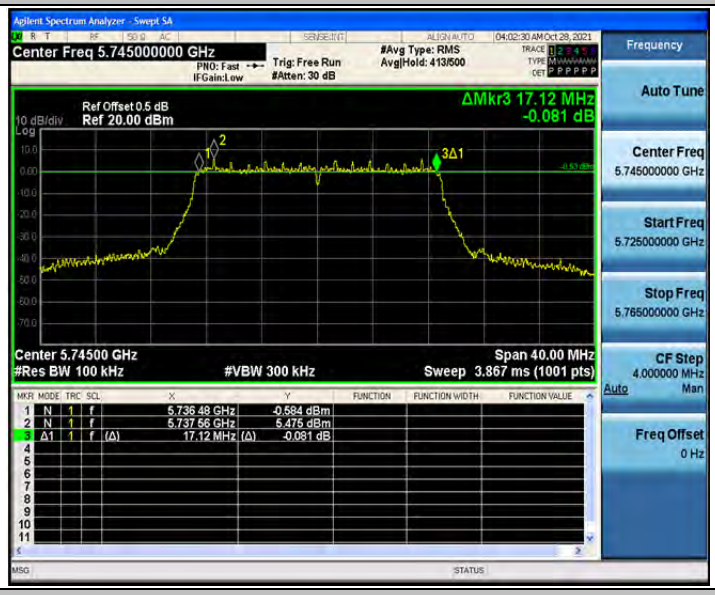
802.11n(HT40)_Ant2_5795



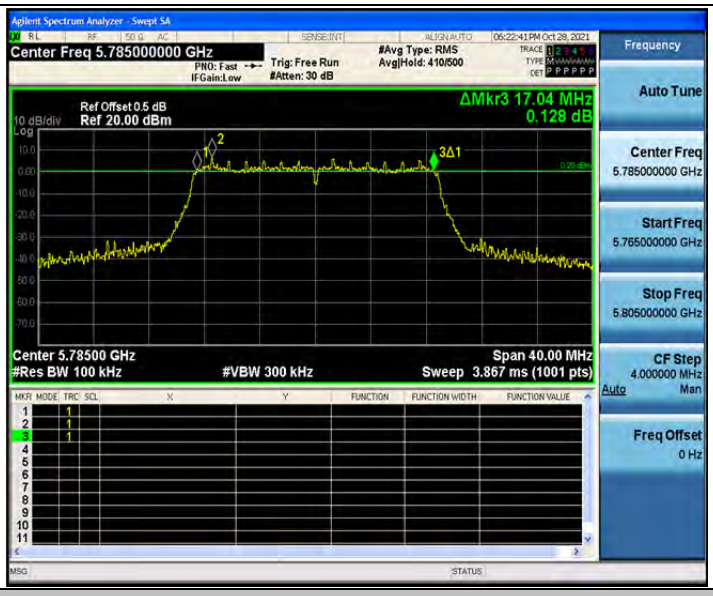
802.11ac(VHT20)_Ant1_5745



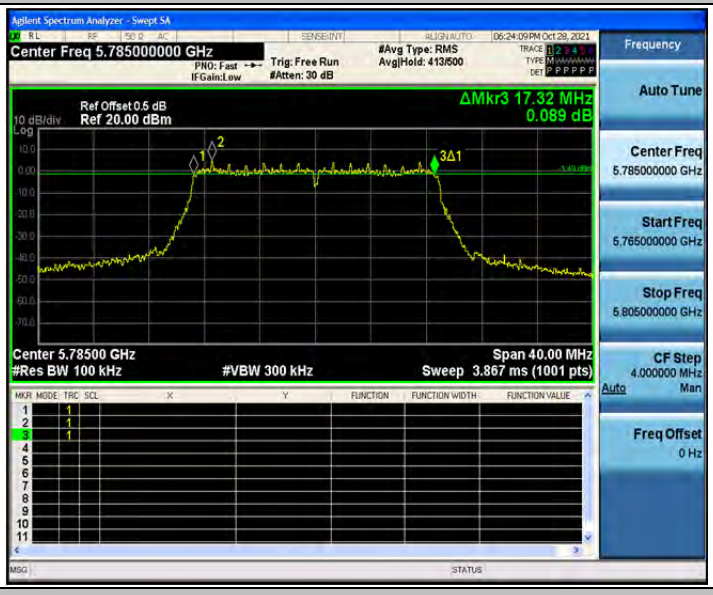
802.11ac(VHT20)_Ant2_5745



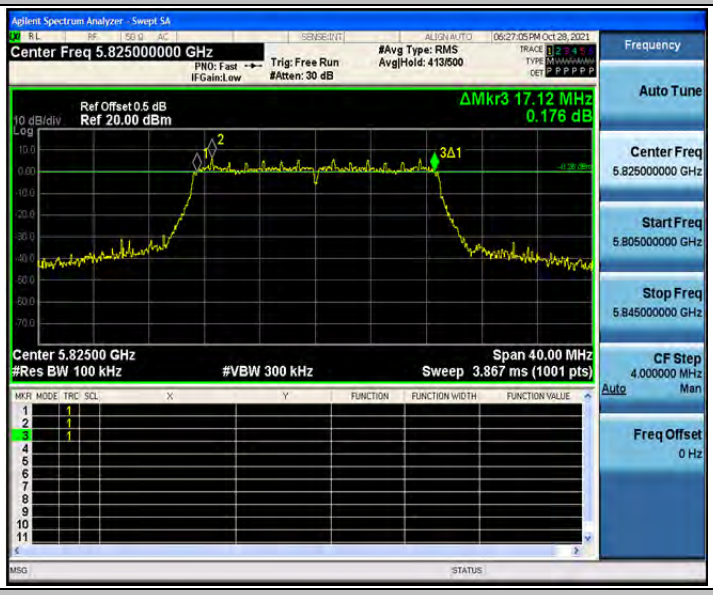
802.11ac(VHT20)_Ant1_5785



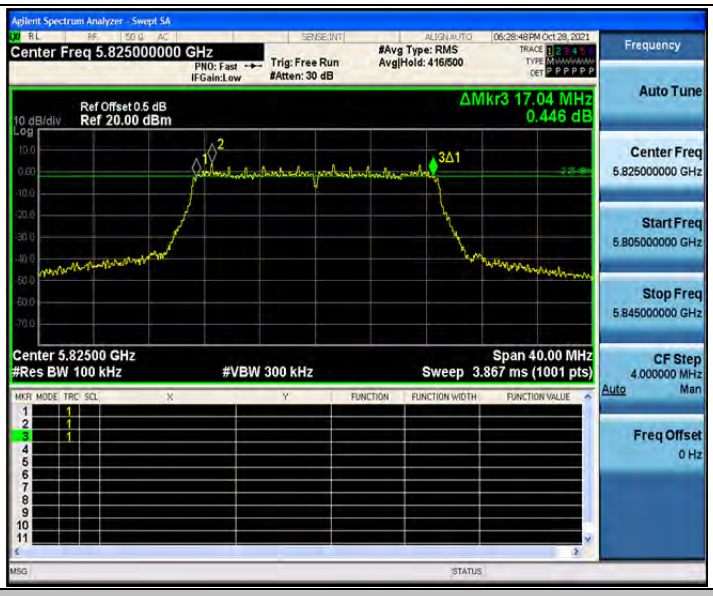
802.11ac(VHT20)_Ant2_5785



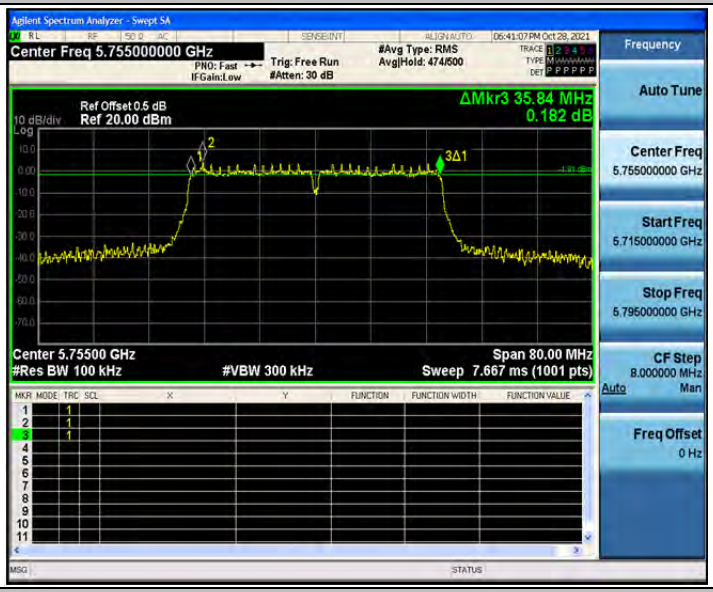
802.11ac(VHT20)_Ant1_5825



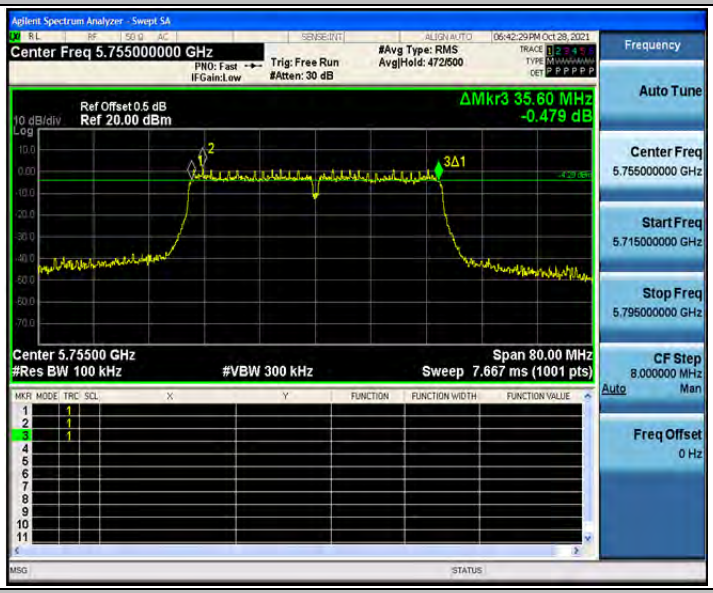
802.11ac(VHT20)_Ant2_5825



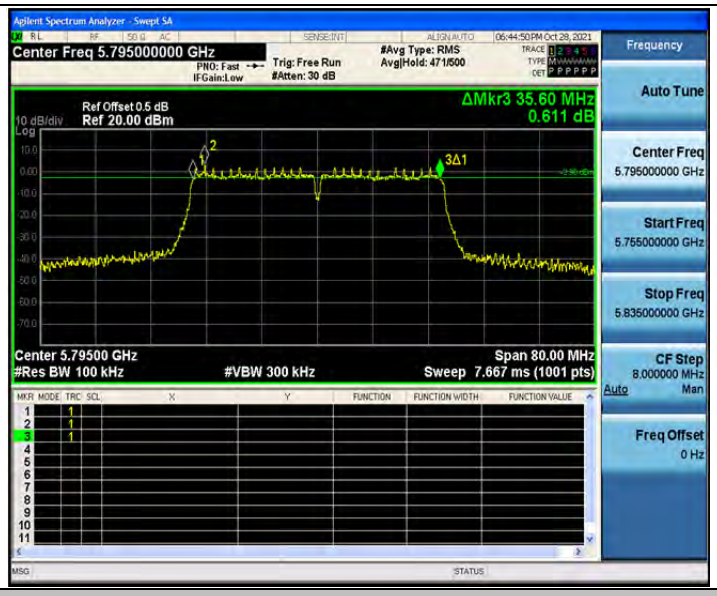
802.11ac(VHT40)_Ant1_5755



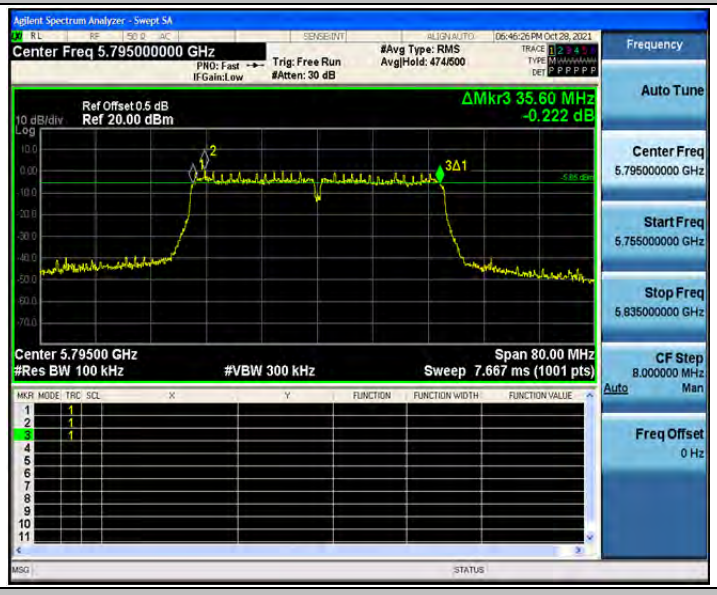
802.11ac(VHT40)_Ant2_5755



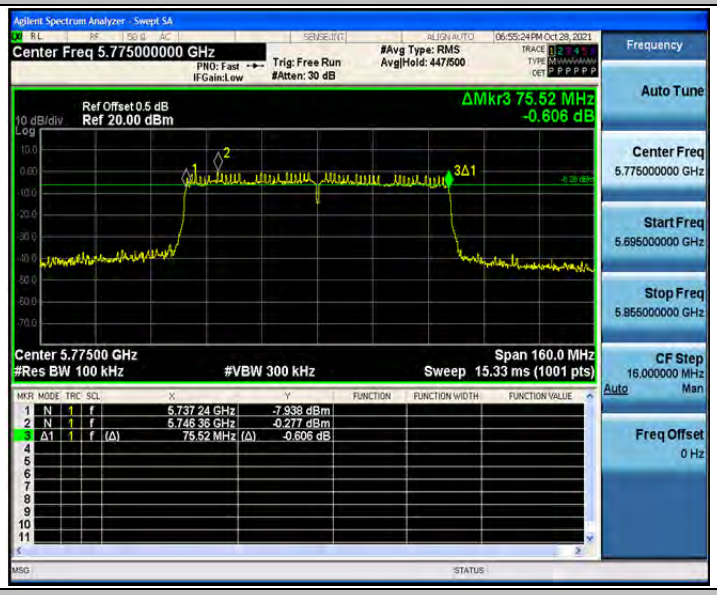
802.11ac(VHT40)_Ant1_5795



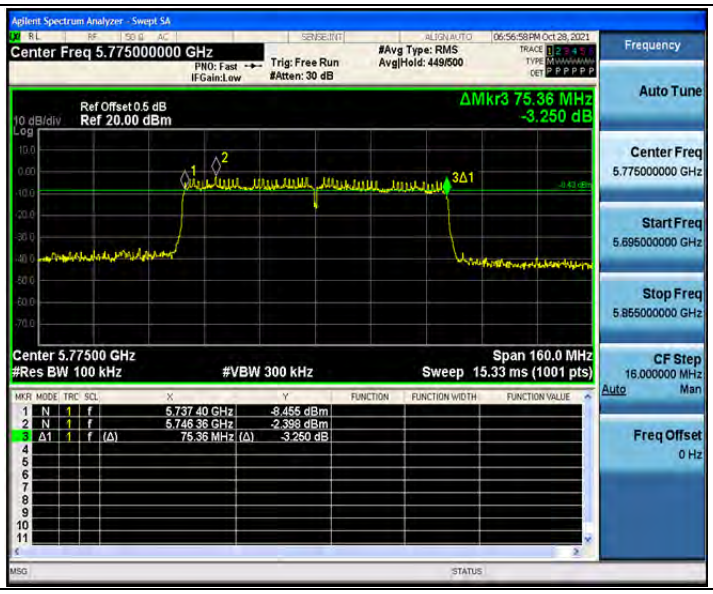
802.11ac(VHT40)_Ant2_5795



802.11ac(VHT80)_Ant1_5775



802.11ac(VHT80)_Ant2_5775


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.775000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 449/500
06:56:58 PM Oct 28, 2021
Ref Offset 0.5 dB
10 dB/div Ref 20.00 dBm
ΔMkr3 75.36 MHz
-3.250 dB
Center 5.77500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 160.0 MHz
Sweep 15.33 ms (1001 pts)
1 N 1 f 5.737 40 GHz -8.455 dBm
2 N 1 f 5.746 36 GHz -2.398 dBm
3 Δ1 1 f (Δ) 75.36 MHz (Δ) -3.250 dB
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
MSG
STATUS

Appendix B: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
802.11a	Ant1	5180	19.32	<=21.48	PASS
	Ant2	5180	19.12	<=21.48	PASS
	Ant1	5200	18.61	<=21.48	PASS
	Ant2	5200	18.76	<=21.48	PASS
	Ant1	5240	17.90	<=21.48	PASS
	Ant2	5240	18.11	<=21.48	PASS
	Ant1	5745	18.15	<=27.10	PASS
	Ant2	5745	18.16	<=27.10	PASS
	Ant1	5785	18.00	<=27.10	PASS
	Ant2	5785	18.73	<=27.10	PASS
	Ant1	5825	18.10	<=27.10	PASS
	Ant2	5825	17.52	<=27.10	PASS
802.11n(HT20)	Ant1	5180	18.53	<=21.48	PASS
	Ant2	5180	19.04	<=21.48	PASS
	Total	5180	21.80	<=21.48	PASS
	Ant1	5200	17.70	<=21.48	PASS
	Ant2	5200	17.93	<=21.48	PASS
	Total	5200	20.83	<=21.48	PASS
	Ant1	5240	16.91	<=21.48	PASS
	Ant2	5240	17.17	<=21.48	PASS
	Total	5240	20.05	<=21.48	PASS
	Ant1	5745	17.67	<=27.10	PASS
	Ant2	5745	15.55	<=27.10	PASS
	Total	5745	19.75	<=27.10	PASS
	Ant1	5785	18.61	<=27.10	PASS
	Ant2	5785	16.16	<=27.10	PASS
	Total	5785	20.57	<=27.10	PASS
	Ant1	5825	18.31	<=27.10	PASS
	Ant2	5825	15.66	<=27.10	PASS
	Total	5825	20.19	<=27.10	PASS
802.11n(HT40)	Ant1	5190	16.69	<=21.48	PASS
	Ant2	5190	18.48	<=21.48	PASS
	Total	5190	20.69	<=21.48	PASS
	Ant1	5230	16.57	<=21.48	PASS
	Ant2	5230	17.44	<=21.48	PASS
	Total	5230	20.04	<=21.48	PASS
	Ant1	5755	17.19	<=27.10	PASS
	Ant2	5755	17.04	<=27.10	PASS
	Total	5755	20.13	<=27.10	PASS
	Ant1	5795	18.25	<=27.10	PASS
	Ant2	5795	16.12	<=27.10	PASS
	Total	5795	20.32	<=27.10	PASS

802.11ac(VHT20)	Ant1	5180	16.81	<=21.48	PASS
	Ant2	5180	17.23	<=21.48	PASS
	Total	5180	20.04	<=21.48	PASS
	Ant1	5200	16.35	<=21.48	PASS
	Ant2	5200	16.89	<=21.48	PASS
	Total	5200	19.64	<=21.48	PASS
	Ant1	5240	15.58	<=21.48	PASS
	Ant2	5240	16.41	<=21.48	PASS
	Total	5240	19.03	<=21.48	PASS
	Ant1	5745	18.31	<=27.10	PASS
	Ant2	5745	16.33	<=27.10	PASS
	Total	5745	20.44	<=27.10	PASS
	Ant1	5785	17.25	<=27.10	PASS
	Ant2	5785	15.47	<=27.10	PASS
	Total	5785	19.46	<=27.10	PASS
	Ant1	5825	16.87	<=27.10	PASS
	Ant2	5825	14.37	<=27.10	PASS
	Total	5825	18.81	<=27.10	PASS
802.11ac(VHT40)	Ant1	5190	16.27	<=21.48	PASS
	Ant2	5190	17.11	<=21.48	PASS
	Total	5190	19.72	<=21.48	PASS
	Ant1	5230	15.47	<=21.48	PASS
	Ant2	5230	16.10	<=21.48	PASS
	Total	5230	18.81	<=21.48	PASS
	Ant1	5755	17.40	<=27.10	PASS
	Ant2	5755	15.11	<=27.10	PASS
	Total	5755	19.41	<=27.10	PASS
	Ant1	5795	16.30	<=27.10	PASS
	Ant2	5795	13.83	<=27.10	PASS
	Total	5795	18.25	<=27.10	PASS
802.11ac(VHT80)	Ant1	5210	15.10	<=21.48	PASS
	Ant2	5210	15.69	<=21.48	PASS
	Total	5210	18.42	<=21.48	PASS
	Ant1	5775	16.20	<=27.10	PASS
	Ant2	5775	13.96	<=27.10	PASS
	Total	5775	18.23	<=27.10	PASS

Note: 1. Test results increased RF cable loss by 0.5dB.

2. The U-NII-1 Directional Gain=8.58dBi＞6dBi. So P_{out} =P_{limit}-(G_{TX}-6)]=24-2.58=21.48dBm

The U-NII-3 Directional Gain=8.90dBi＞6dBi. So P_{out} =P_{limit}-(G_{TX}-6)]=30-2.90=27.10dBm

Appendix C: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
802.11a	Ant1	5180	8.32	<=8.48	PASS
	Ant2	5180	8.31	<=8.48	PASS
	Ant1	5200	7.54	<=8.48	PASS
	Ant2	5200	7.58	<=8.48	PASS
	Ant1	5240	7.04	<=8.48	PASS
	Ant2	5240	7.14	<=8.48	PASS
	Ant1	5745	4.44	<=27.10	PASS
	Ant2	5745	4.45	<=27.10	PASS
	Ant1	5785	4.36	<=27.10	PASS
	Ant2	5785	5.17	<=27.10	PASS
	Ant1	5825	4.91	<=27.10	PASS
	Ant2	5825	3.97	<=27.10	PASS
802.11n(HT20)	Ant1	5180	7.65	<=8.48	PASS
	Ant2	5180	8.18	<=8.48	PASS
	Total	5180	10.93	<=8.48	PASS
	Ant1	5200	6.72	<=8.48	PASS
	Ant2	5200	6.85	<=8.48	PASS
	Total	5200	9.80	<=8.48	PASS
	Ant1	5240	5.78	<=8.48	PASS
	Ant2	5240	6.12	<=8.48	PASS
	Total	5240	8.96	<=8.48	PASS
	Ant1	5745	3.75	<=27.10	PASS
	Ant2	5745	1.73	<=27.10	PASS
	Total	5745	5.87	<=27.10	PASS
	Ant1	5785	4.8	<=27.10	PASS
	Ant2	5785	2.56	<=27.10	PASS
	Total	5785	6.83	<=27.10	PASS
	Ant1	5825	4.49	<=27.10	PASS
	Ant2	5825	1.79	<=27.10	PASS
	Total	5825	6.36	<=27.10	PASS
802.11n(HT40)	Ant1	5190	2.92	<=8.48	PASS
	Ant2	5190	4.14	<=8.48	PASS
	Total	5190	6.58	<=8.48	PASS
	Ant1	5230	2.79	<=8.48	PASS
	Ant2	5230	3.78	<=8.48	PASS
	Total	5230	6.32	<=8.48	PASS
	Ant1	5755	0.58	<=27.10	PASS
	Ant2	5755	-0.06	<=27.10	PASS
	Total	5755	3.28	<=27.10	PASS
	Ant1	5795	1.73	<=27.10	PASS
	Ant2	5795	-0.32	<=27.10	PASS

	Total	5795	3.84	<=27.10	PASS
802.11ac(VHT20)	Ant1	5180	5.68	<=8.48	PASS
	Ant2	5180	6.31	<=8.48	PASS
	Total	5180	9.02	<=8.48	PASS
	Ant1	5200	5.22	<=8.48	PASS
	Ant2	5200	5.83	<=8.48	PASS
	Total	5200	8.55	<=8.48	PASS
	Ant1	5240	4.47	<=8.48	PASS
	Ant2	5240	5.21	<=8.48	PASS
	Total	5240	7.87	<=8.48	PASS
	Ant1	5745	4.49	<=27.10	PASS
	Ant2	5745	2.34	<=27.10	PASS
	Total	5745	6.56	<=27.10	PASS
	Ant1	5785	3.59	<=27.10	PASS
	Ant2	5785	1.65	<=27.10	PASS
	Total	5785	5.74	<=27.10	PASS
	Ant1	5825	2.67	<=27.10	PASS
	Ant2	5825	0.37	<=27.10	PASS
	Total	5825	4.68	<=27.10	PASS
802.11ac(VHT40)	Ant1	5190	2.17	<=8.48	PASS
	Ant2	5190	3.66	<=8.48	PASS
	Total	5190	5.99	<=8.48	PASS
	Ant1	5230	1.7	<=8.48	PASS
	Ant2	5230	2.44	<=8.48	PASS
	Total	5230	5.10	<=8.48	PASS
	Ant1	5755	0.68	<=27.10	PASS
	Ant2	5755	-1.48	<=27.10	PASS
	Total	5755	2.74	<=27.10	PASS
	Ant1	5795	-0.36	<=27.10	PASS
	Ant2	5795	-2.76	<=27.10	PASS
	Total	5795	1.61	<=27.10	PASS
802.11ac(VHT80)	Ant1	5210	-2.01	<=8.48	PASS
	Ant2	5210	-1.5	<=8.48	PASS
	Total	5210	1.26	<=8.48	PASS
	Ant1	5775	-3.82	<=27.10	PASS
	Ant2	5775	-5.57	<=27.10	PASS
	Total	5775	-1.60	<=27.10	PASS

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

2. The Duty Cycle Factor and RBW Factor is compensated in the graph.

3. The U-NII-1 Directional Gain=8.58dBi＞6dBi. So Pout =Plimit-(GTX-6)]=11-2.58=8.48dBm

The U-NII-3 Directional Gain=8.90dBi＞6dBi. So Pout =Plimit-(GTX-6)]=30-2.90=27.10dBm

Test Graphs

802.11a_Ant1_5180

802.11a_Ant2_5180

802.11a_Ant1_5200

802.11a_Ant2_5200

802.11a_Ant1_5240

802.11a_Ant2_5240

802.11a_Ant1_5745

802.11a_Ant2_5745

802.11a_Ant1_5785

802.11a_Ant2_5785

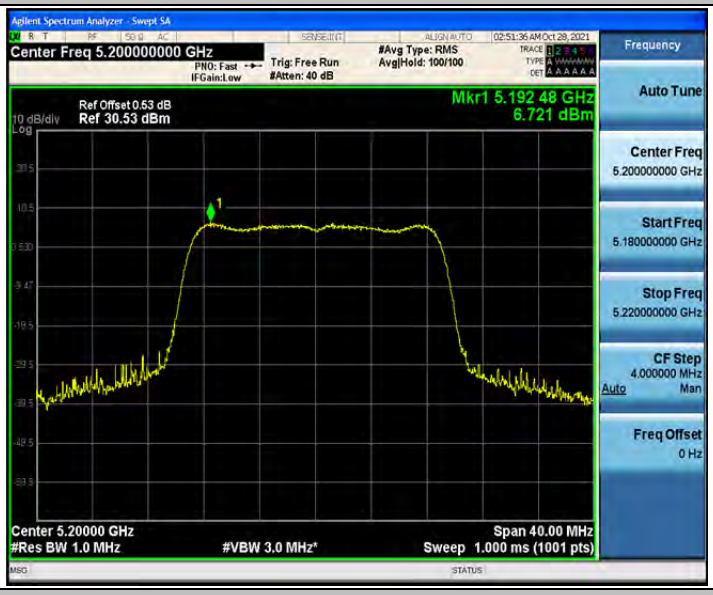
802.11a_Ant1_5825

802.11a_Ant2_5825

802.11n(HT20)_Ant1_5180

802.11n(HT20)_Ant2_5180

802.11n(HT20)_Ant1_5200



802.11n(HT20)_Ant2_5200

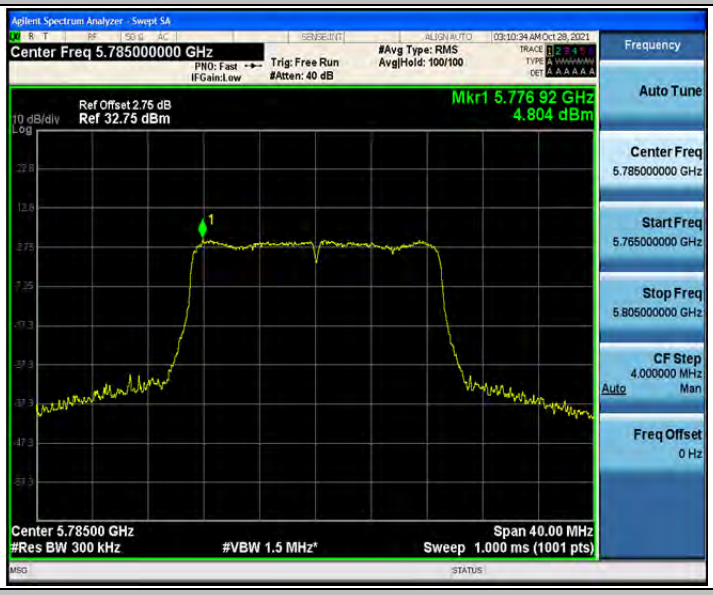
802.11n(HT20)_Ant1_5240

802.11n(HT20)_Ant2_5240

802.11n(HT20)_Ant1_5745

802.11n(HT20)_Ant2_5745

802.11n(HT20)_Ant1_5785



802.11n(HT20)_Ant2_5785

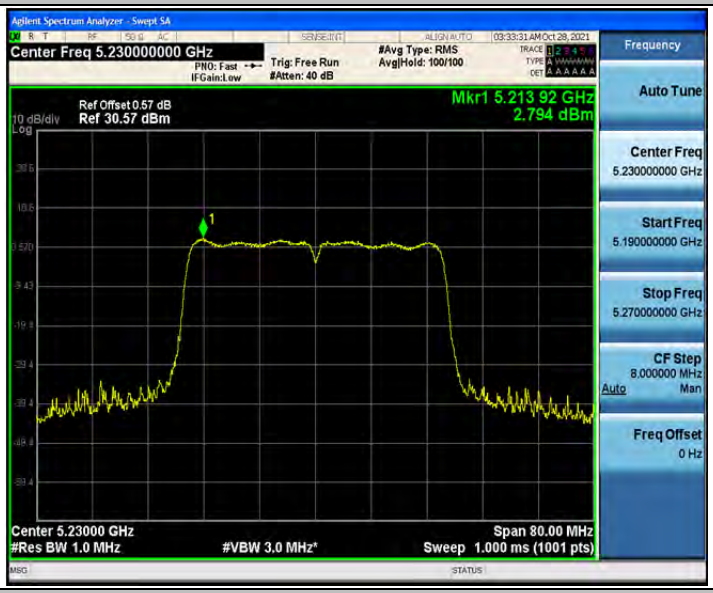
802.11n(HT20)_Ant1_5825

802.11n(HT20)_Ant2_5825

802.11n(HT40)_Ant1_5190

802.11n(HT40)_Ant2_5190

802.11n(HT40)_Ant1_5230



802.11n(HT40)_Ant2_5230

802.11n(HT40)_Ant1_5755

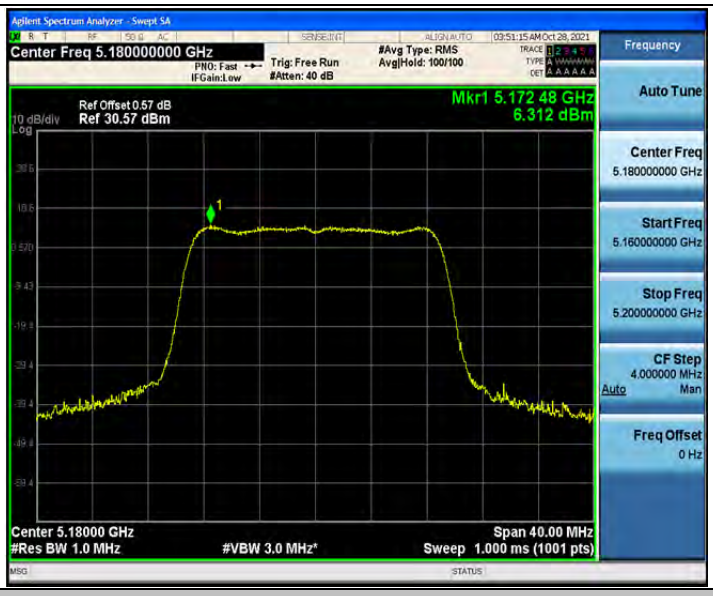
802.11n(HT40)_Ant2_5755

802.11n(HT40)_Ant1_5795

802.11n(HT40)_Ant2_5795

802.11ac(VHT20)_Ant1_5180

802.11ac(VHT20)_Ant2_5180



802.11ac(VHT20)_Ant1_5200

802.11ac(VHT20)_Ant2_5200

802.11ac(VHT20)_Ant1_5240

802.11ac(VHT20)_Ant2_5240

802.11ac(VHT20)_Ant1_5745

802.11ac(VHT20)_Ant2_5745

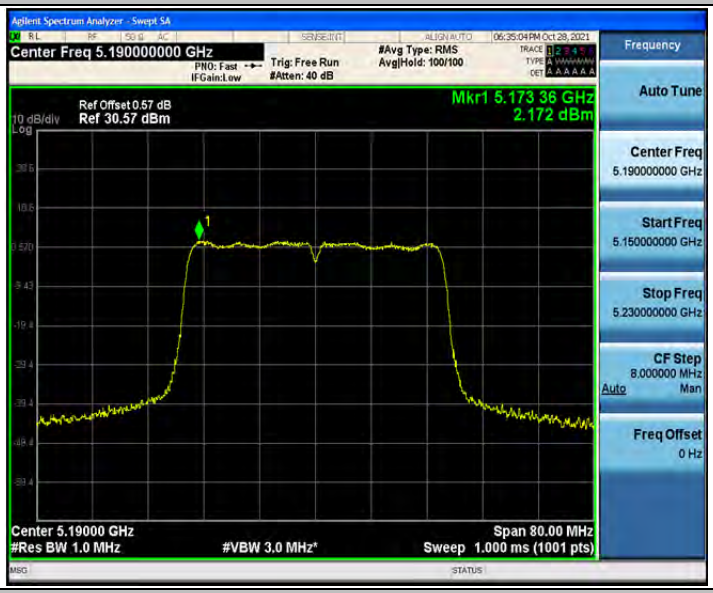
802.11ac(VHT20)_Ant1_5785

802.11ac(VHT20)_Ant2_5785

802.11ac(VHT20)_Ant1_5825

802.11ac(VHT20)_Ant2_5825

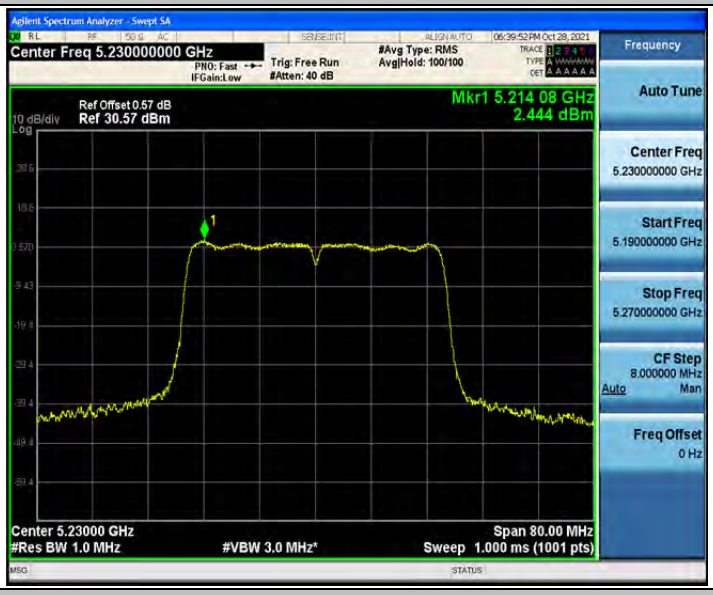
802.11ac(VHT40)_Ant1_5190



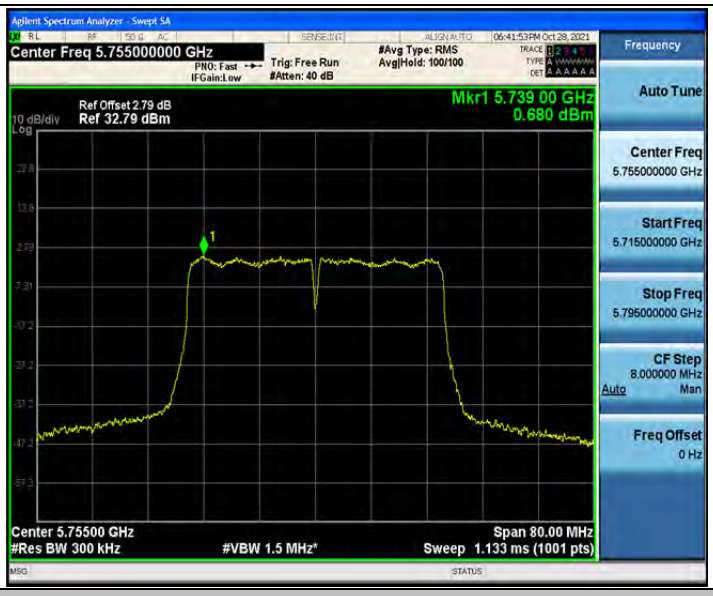
802.11ac(VHT40)_Ant2_5190

802.11ac(VHT40)_Ant1_5230

802.11ac(VHT40)_Ant2_5230



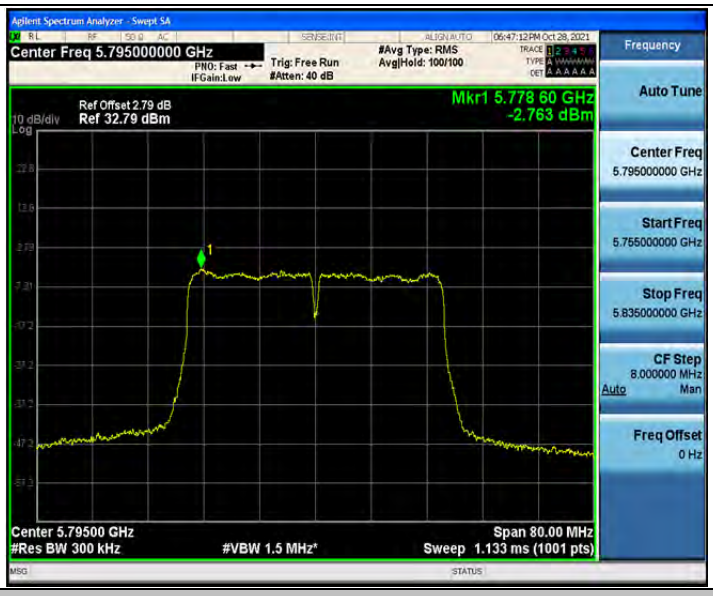
802.11ac(VHT40)_Ant1_5755



802.11ac(VHT40)_Ant2_5755

802.11ac(VHT40)_Ant1_5795

802.11ac(VHT40)_Ant2_5795



802.11ac(VHT80)_Ant1_5210

802.11ac(VHT80)_Ant2_5210

802.11ac(VHT80)_Ant1_5775

802.11ac(VHT80)_Ant2_5775

Appendix D: Frequency Stability

Test Result

Voltage								
Test Mode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20MHz	Ant1	5180	NV	NT	33000	6.370656	20	PASS
			LV	NT	31000	5.984556	20	PASS
			HV	NT	32000	6.177606	20	PASS
	Ant2	5180	NV	NT	34000	6.563707	20	PASS
			LV	NT	33000	6.370656	20	PASS
			HV	NT	33000	6.370656	20	PASS
	Ant1	5200	NV	NT	35000	6.730769	20	PASS
			LV	NT	32000	6.153846	20	PASS
			HV	NT	30000	5.769231	20	PASS
	Ant2	5200	NV	NT	24000	4.615385	20	PASS
			LV	NT	24000	4.615385	20	PASS
			HV	NT	24000	4.615385	20	PASS
	Ant1	5240	NV	NT	27000	5.152672	20	PASS
			LV	NT	26000	4.961832	20	PASS
			HV	NT	26000	4.961832	20	PASS
	Ant2	5240	NV	NT	24000	4.580153	20	PASS
			LV	NT	25000	4.770992	20	PASS
			HV	NT	25000	4.770992	20	PASS
	Ant1	5745	NV	NT	27000	4.699739	20	PASS
			LV	NT	25000	4.35161	20	PASS
			HV	NT	27000	4.699739	20	PASS
	Ant2	5745	NV	NT	46000	8.006963	20	PASS
			LV	NT	46000	8.006963	20	PASS
			HV	NT	45000	7.832898	20	PASS
	Ant1	5785	NV	NT	45000	7.778738	20	PASS
			LV	NT	42000	7.260156	20	PASS
			HV	NT	39000	6.741573	20	PASS
	Ant2	5785	NV	NT	28000	4.840104	20	PASS
			LV	NT	28000	4.840104	20	PASS
			HV	NT	27000	4.667243	20	PASS
	Ant1	5825	NV	NT	28000	4.806867	20	PASS
			LV	NT	29000	4.978541	20	PASS
			HV	NT	27000	4.635193	20	PASS
	Ant2	5825	NV	NT	27000	4.635193	20	PASS
			LV	NT	29000	4.978541	20	PASS
			HV	NT	33000	5.665236	20	PASS
40MHz	Ant1	5190	NV	NT	43000	8.285164	20	PASS
			LV	NT	41000	7.899807	20	PASS
			HV	NT	39000	7.514451	20	PASS
	Ant2	5190	NV	NT	46000	8.863198	20	PASS

			LV	NT	46000	8.863198	20	PASS
			HV	NT	47000	9.055877	20	PASS
	Ant1	5230	NV	NT	47000	8.986616	20	PASS
			LV	NT	48000	9.17782	20	PASS
			HV	NT	48000	9.17782	20	PASS
	Ant2	5230	NV	NT	48000	9.17782	20	PASS
			LV	NT	48000	9.17782	20	PASS
			HV	NT	47000	8.986616	20	PASS
	Ant1	5755	NV	NT	38000	6.602954	20	PASS
			LV	NT	34000	5.907906	20	PASS
			HV	NT	32000	5.560382	20	PASS
	Ant2	5755	NV	NT	27000	4.691573	20	PASS
			LV	NT	27000	4.691573	20	PASS
			HV	NT	27000	4.691573	20	PASS
	Ant1	5795	NV	NT	27000	4.659189	20	PASS
			LV	NT	27000	4.659189	20	PASS
			HV	NT	27000	4.659189	20	PASS
	Ant2	5795	NV	NT	27000	4.659189	20	PASS
			LV	NT	28000	4.831752	20	PASS
			HV	NT	27000	4.659189	20	PASS
80MHz	Ant1	5210	NV	NT	23000	4.414587	20	PASS
			LV	NT	25000	4.798464	20	PASS
			HV	NT	25000	4.798464	20	PASS
	Ant2	5210	NV	NT	25000	4.798464	20	PASS
			LV	NT	25000	4.798464	20	PASS
			HV	NT	26000	4.990403	20	PASS
	Ant1	5775	NV	NT	26000	4.502165	20	PASS
			LV	NT	27000	4.675325	20	PASS
			HV	NT	28000	4.848485	20	PASS
	Ant2	5775	NV	NT	28000	4.848485	20	PASS
			LV	NT	28000	4.848485	20	PASS
			HV	NT	28000	4.848485	20	PASS

Temperature								
Test Mode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20MHz	Ant1	5180	NV	0	27000	5.212355	20	PASS
			NV	10	29000	5.598456	20	PASS
			NV	20	28000	5.405405	20	PASS
			NV	30	28000	5.405405	20	PASS
			NV	40	27000	5.212355	20	PASS
	Ant2	5180	NV	0	33000	6.370656	20	PASS
			NV	10	32000	6.177606	20	PASS
			NV	20	33000	6.370656	20	PASS
			NV	30	33000	6.370656	20	PASS
			NV	40	32000	6.177606	20	PASS
	Ant1	5200	NV	0	28000	5.384615	20	PASS
			NV	10	26000	5	20	PASS
			NV	20	26000	5	20	PASS
			NV	30	25000	4.807692	20	PASS
			NV	40	26000	5	20	PASS
	Ant2	5200	NV	0	26000	5	20	PASS
			NV	10	26000	5	20	PASS
			NV	20	31000	5.961538	20	PASS
			NV	30	34000	6.538462	20	PASS
			NV	40	36000	6.923077	20	PASS
	Ant1	5240	NV	0	27000	5.152672	20	PASS
			NV	10	25000	4.770992	20	PASS
			NV	20	25000	4.770992	20	PASS
			NV	30	25000	4.770992	20	PASS
			NV	40	25000	4.770992	20	PASS
	Ant2	5240	NV	0	24000	4.580153	20	PASS
			NV	10	25000	4.770992	20	PASS
			NV	20	24000	4.580153	20	PASS
			NV	30	24000	4.580153	20	PASS
			NV	40	25000	4.770992	20	PASS
	Ant1	5745	NV	0	29000	5.047868	20	PASS
			NV	10	36000	6.266319	20	PASS
			NV	20	41000	7.136641	20	PASS
			NV	30	42000	7.310705	20	PASS
			NV	40	44000	7.658834	20	PASS
	Ant2	5745	NV	0	46000	8.006963	20	PASS
			NV	10	47000	8.181027	20	PASS
			NV	20	47000	8.181027	20	PASS
			NV	30	46000	8.006963	20	PASS
			NV	40	47000	8.181027	20	PASS
	Ant1	5785	NV	0	30000	5.185825	20	PASS
			NV	10	32000	5.531547	20	PASS
			NV	20	30000	5.185825	20	PASS

			NV	30	30000	5.185825	20	PASS
			NV	40	30000	5.185825	20	PASS
	Ant2	5785	NV	0	27000	4.667243	20	PASS
			NV	10	27000	4.667243	20	PASS
			NV	20	28000	4.840104	20	PASS
			NV	30	28000	4.840104	20	PASS
			NV	40	28000	4.840104	20	PASS
	Ant1	5825	NV	0	27000	4.635193	20	PASS
			NV	10	26000	4.463519	20	PASS
			NV	20	27000	4.635193	20	PASS
			NV	30	27000	4.635193	20	PASS
			NV	40	30000	5.150215	20	PASS
	Ant2	5825	NV	0	44000	7.553648	20	PASS
			NV	10	46000	7.896996	20	PASS
			NV	20	46000	7.896996	20	PASS
			NV	30	47000	8.06867	20	PASS
			NV	40	48000	8.240343	20	PASS
40MHz	Ant1	5190	NV	0	36000	6.936416	20	PASS
			NV	10	38000	7.321773	20	PASS
			NV	20	42000	8.092486	20	PASS
			NV	30	43000	8.285164	20	PASS
			NV	40	41000	7.899807	20	PASS
	Ant2	5190	NV	0	47000	9.055877	20	PASS
			NV	10	49000	9.441233	20	PASS
			NV	20	48000	9.248555	20	PASS
			NV	30	49000	9.441233	20	PASS
			NV	40	48000	9.248555	20	PASS
	Ant1	5230	NV	0	48000	9.17782	20	PASS
			NV	10	48000	9.17782	20	PASS
			NV	20	47000	8.986616	20	PASS
			NV	30	46000	8.795411	20	PASS
			NV	40	48000	9.17782	20	PASS
	Ant2	5230	NV	0	47000	8.986616	20	PASS
			NV	10	47000	8.986616	20	PASS
			NV	20	47000	8.986616	20	PASS
			NV	30	46000	8.795411	20	PASS
			NV	40	46000	8.795411	20	PASS
	Ant1	5755	NV	0	28000	4.865334	20	PASS
			NV	10	29000	5.039096	20	PASS
			NV	20	27000	4.691573	20	PASS
			NV	30	28000	4.865334	20	PASS
			NV	40	27000	4.691573	20	PASS
	Ant2	5755	NV	0	27000	4.691573	20	PASS
			NV	10	28000	4.865334	20	PASS
			NV	20	26000	4.517811	20	PASS
			NV	30	27000	4.691573	20	PASS

			NV	40	27000	4.691573	20	PASS
	Ant1	5795	NV	0	26000	4.486626	20	PASS
			NV	10	26000	4.486626	20	PASS
			NV	20	28000	4.831752	20	PASS
			NV	30	27000	4.659189	20	PASS
			NV	40	27000	4.659189	20	PASS
	Ant2	5795	NV	0	28000	4.831752	20	PASS
			NV	10	28000	4.831752	20	PASS
			NV	20	29000	5.004314	20	PASS
			NV	30	28000	4.831752	20	PASS
			NV	40	28000	4.831752	20	PASS
80MHz	Ant1	5210	NV	0	24000	4.606526	20	PASS
			NV	10	27000	5.182342	20	PASS
			NV	20	26000	4.990403	20	PASS
			NV	30	25000	4.798464	20	PASS
			NV	40	26000	4.990403	20	PASS
	Ant2	5210	NV	0	25000	4.798464	20	PASS
			NV	10	25000	4.798464	20	PASS
			NV	20	26000	4.990403	20	PASS
			NV	30	26000	4.990403	20	PASS
			NV	40	26000	4.990403	20	PASS
	Ant1	5775	NV	0	29000	5.021645	20	PASS
			NV	10	29000	5.021645	20	PASS
			NV	20	30000	5.194805	20	PASS
			NV	30	28000	4.848485	20	PASS
			NV	40	28000	4.848485	20	PASS
	Ant2	5775	NV	0	28000	4.848485	20	PASS
			NV	10	28000	4.848485	20	PASS
			NV	20	28000	4.848485	20	PASS
			NV	30	28000	4.848485	20	PASS
			NV	40	28000	4.848485	20	PASS

Appendix E: Duty Cycle

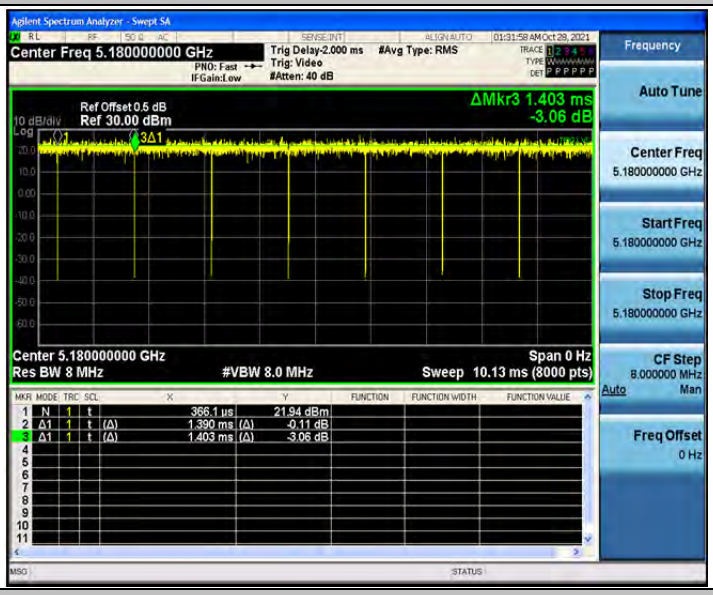
Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
802.11a	Ant1	5180	1.39	1.40	99.29	0.72	1
	Ant2	5180	1.39	1.40	99.29	0.72	1
	Ant1	5200	1.39	1.40	99.29	0.72	1
	Ant2	5200	1.39	1.40	99.29	0.72	1
	Ant1	5240	1.39	1.40	99.29	0.72	1
	Ant2	5240	1.39	1.40	99.29	0.72	1
	Ant1	5745	1.39	1.40	99.29	0.72	1
	Ant2	5745	1.39	1.40	99.29	0.72	1
	Ant1	5785	1.39	1.40	99.29	0.72	1
	Ant2	5785	1.39	1.40	99.29	0.72	1
	Ant1	5825	1.39	1.40	99.29	0.72	1
	Ant2	5825	1.39	1.40	99.29	0.72	1
802.11n (HT20)	Ant1	5180	1.30	1.31	99.24	0.77	1
	Ant2	5180	1.30	1.31	99.24	0.77	1
	Ant1	5200	1.30	1.31	99.24	0.77	1
	Ant2	5200	1.30	1.31	99.24	0.77	1
	Ant1	5240	1.30	1.31	99.24	0.77	1
	Ant2	5240	1.30	1.31	99.24	0.77	1
	Ant1	5745	1.30	1.31	99.24	0.77	1
	Ant2	5745	1.30	1.31	99.24	0.77	1
	Ant1	5785	1.30	1.31	99.24	0.77	1
	Ant2	5785	1.30	1.31	99.24	0.77	1
	Ant1	5825	1.30	1.31	99.24	0.77	1
	Ant2	5825	1.30	1.31	99.24	0.77	1
802.11n (HT40)	Ant1	5190	0.65	0.66	98.48	1.54	2
	Ant2	5190	0.65	0.66	98.48	1.54	2
	Ant1	5230	0.65	0.66	98.48	1.54	2
	Ant2	5230	0.64	0.66	96.97	1.56	2
	Ant1	5755	0.65	0.66	98.48	1.54	2
	Ant2	5755	0.65	0.66	98.48	1.54	2
	Ant1	5795	0.64	0.66	96.97	1.56	2
	Ant2	5795	0.65	0.66	98.48	1.54	2
802.11ac (VHT20)	Ant1	5180	1.30	1.31	99.24	0.77	1
	Ant2	5180	1.30	1.32	98.48	0.77	1
	Ant1	5200	1.30	1.32	98.48	0.77	1
	Ant2	5200	1.30	1.32	98.48	0.77	1
	Ant1	5240	1.30	1.32	98.48	0.77	1
	Ant2	5240	1.30	1.32	98.48	0.77	1
	Ant1	5745	1.30	1.32	98.48	0.77	1
	Ant2	5745	1.30	1.32	98.48	0.77	1

	Ant1	5785	1.30	1.32	98.48	0.77	1
	Ant2	5785	1.30	1.32	98.48	0.77	1
	Ant1	5825	1.30	1.32	98.48	0.77	1
	Ant2	5825	1.30	1.32	98.48	0.77	1
802.11ac (VHT40)	Ant1	5190	0.65	0.66	98.48	1.54	2
	Ant2	5190	0.65	0.66	98.48	1.54	2
	Ant1	5230	0.65	0.66	98.48	1.54	2
	Ant2	5230	0.65	0.66	98.48	1.54	2
	Ant1	5755	0.65	0.66	98.48	1.54	2
	Ant2	5755	0.65	0.66	98.48	1.54	2
	Ant1	5795	0.65	0.66	98.48	1.54	2
	Ant2	5795	0.65	0.66	98.48	1.54	2
802.11ac (VHT80)	Ant1	5210	0.32	0.33	96.97	3.13	4
	Ant2	5210	0.32	0.33	96.97	3.13	4
	Ant1	5775	0.32	0.33	96.97	3.13	4
	Ant2	5775	0.32	0.33	96.97	3.13	4

Test Graphs

802.11a_Ant1_5180



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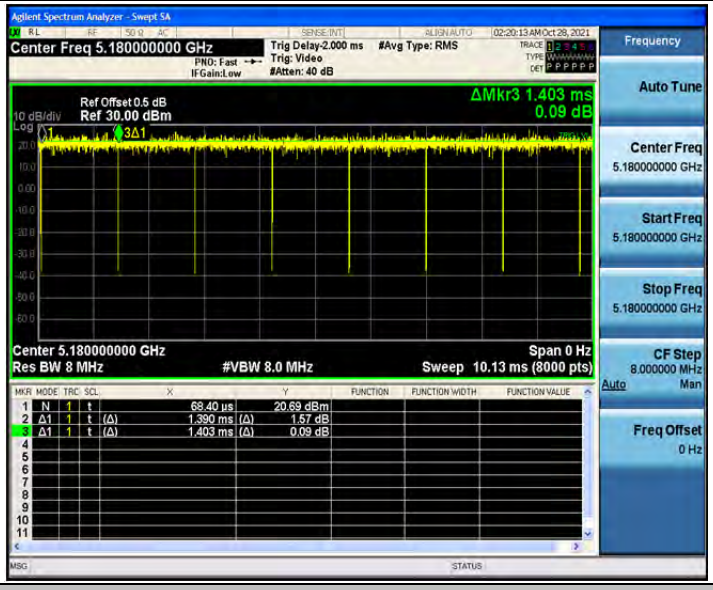

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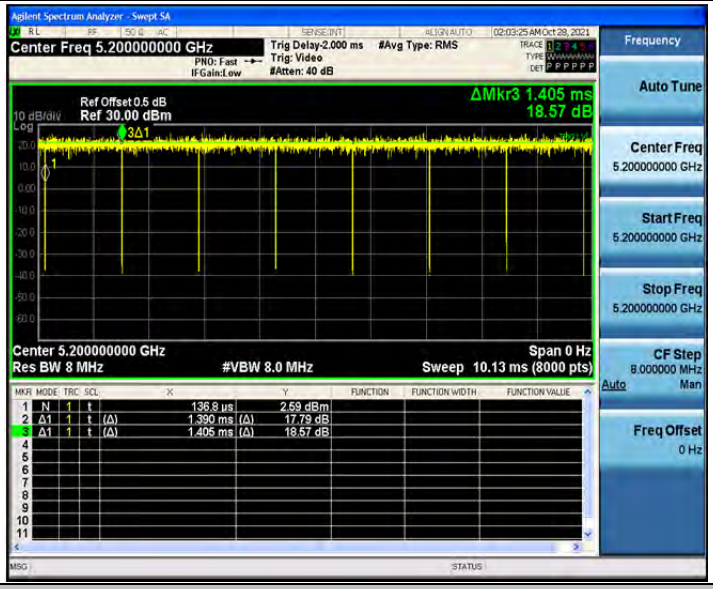

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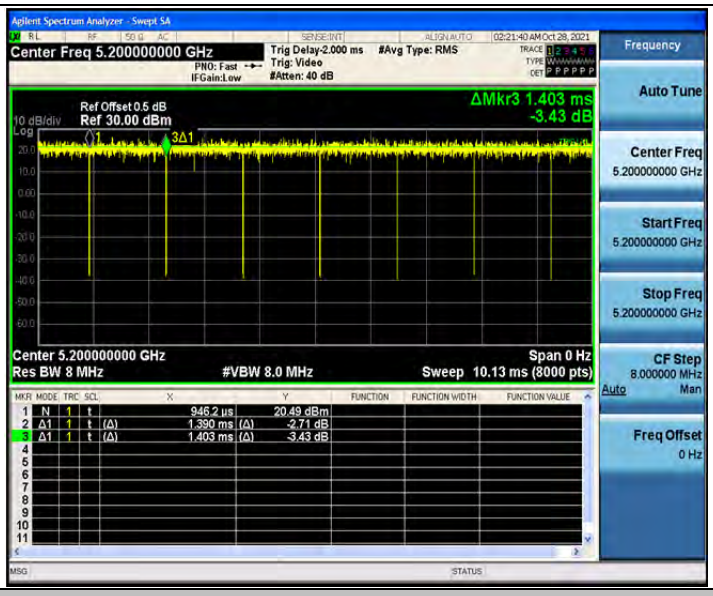

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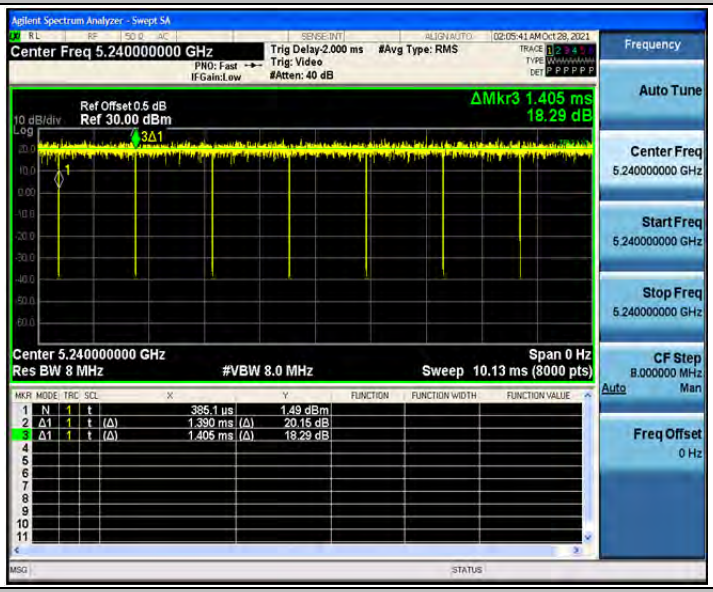

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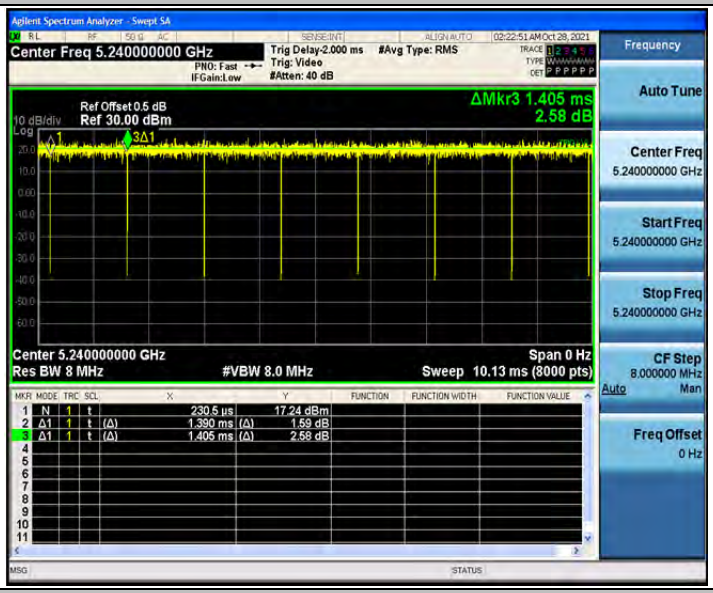

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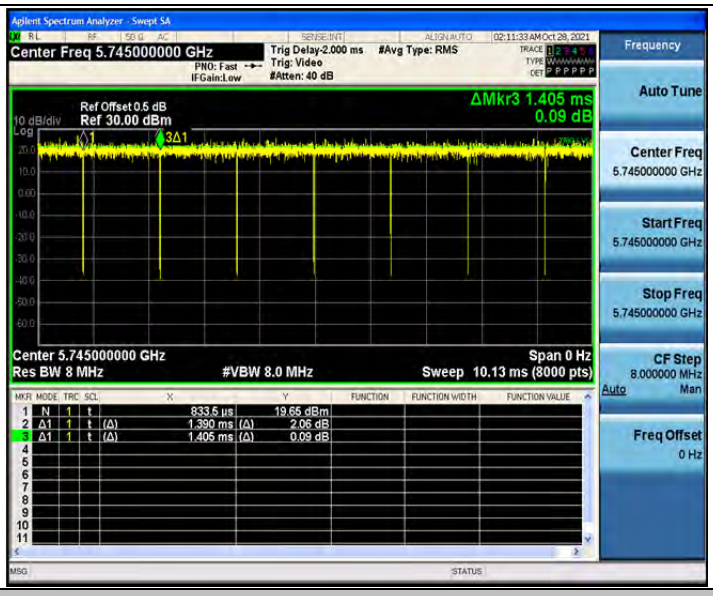

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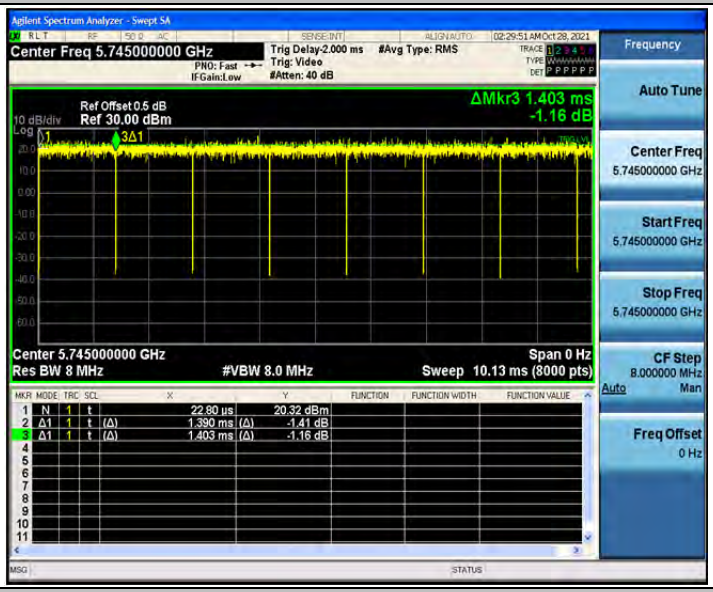

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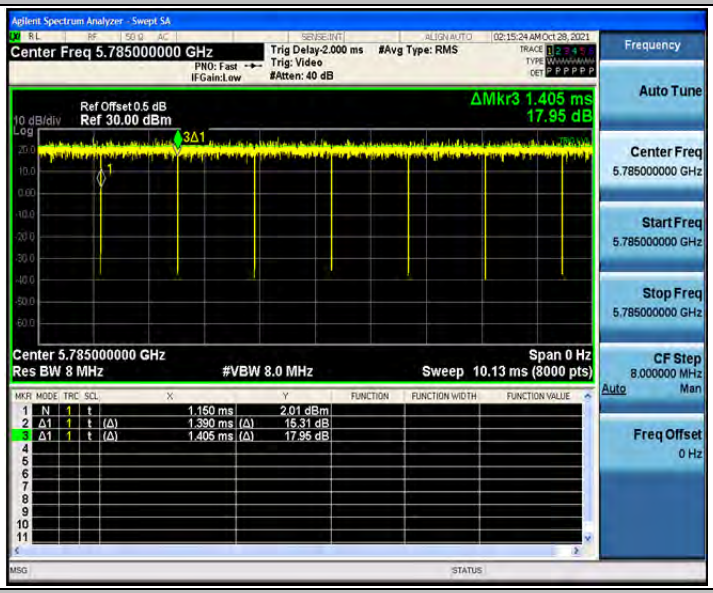

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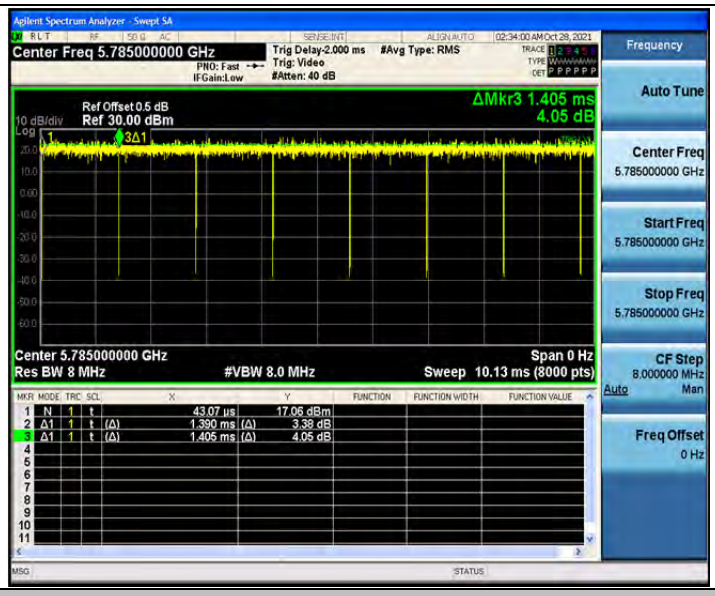

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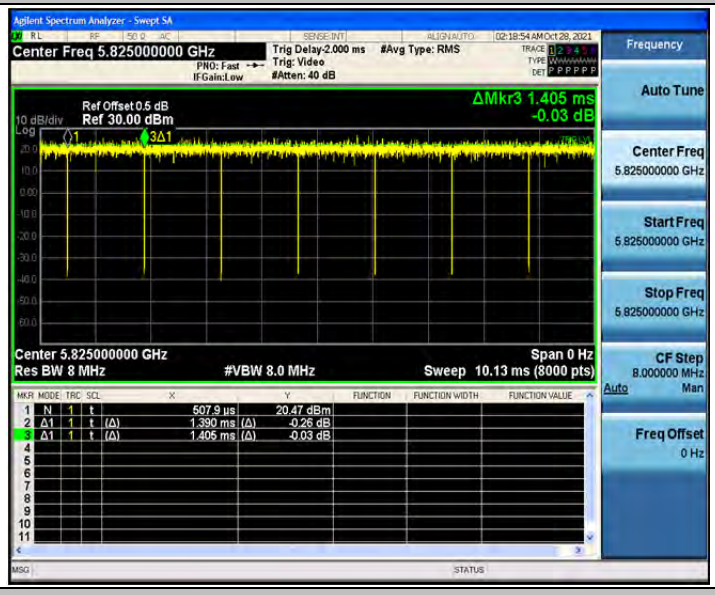

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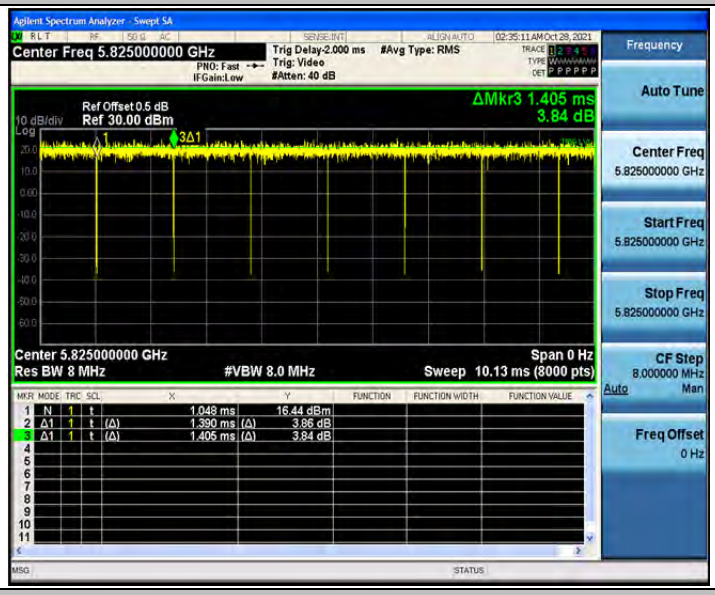
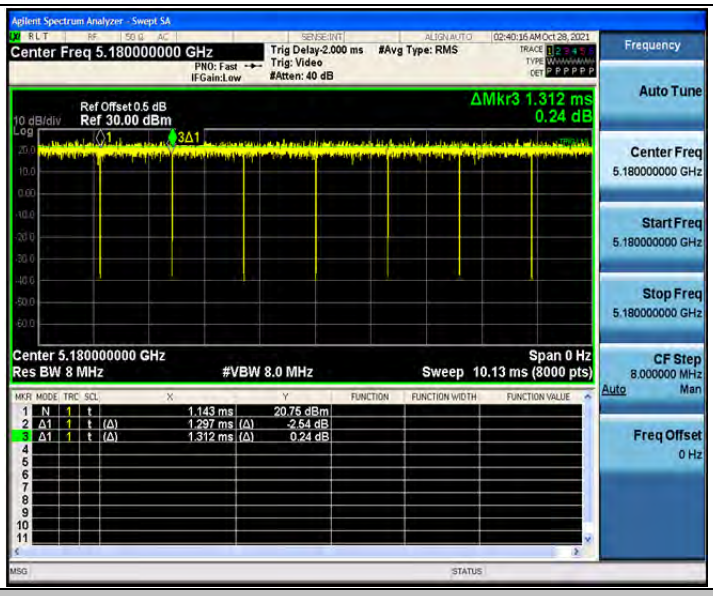


802.11n(HT20)_Ant1_5180



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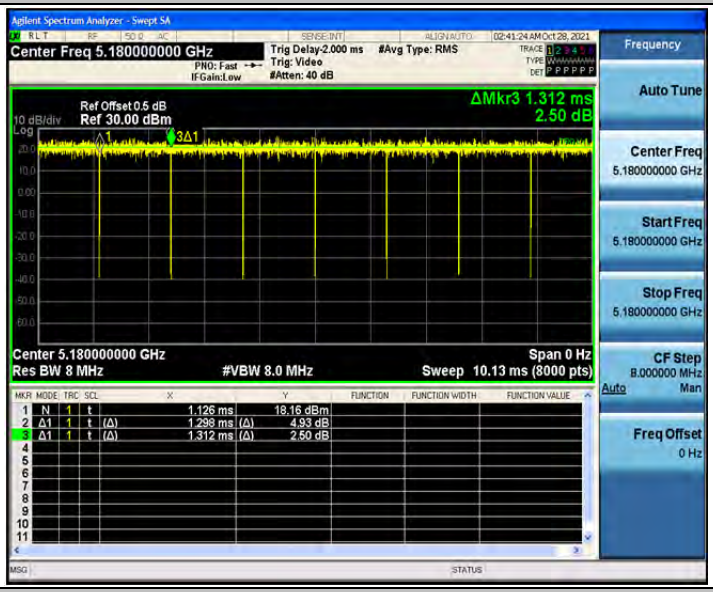

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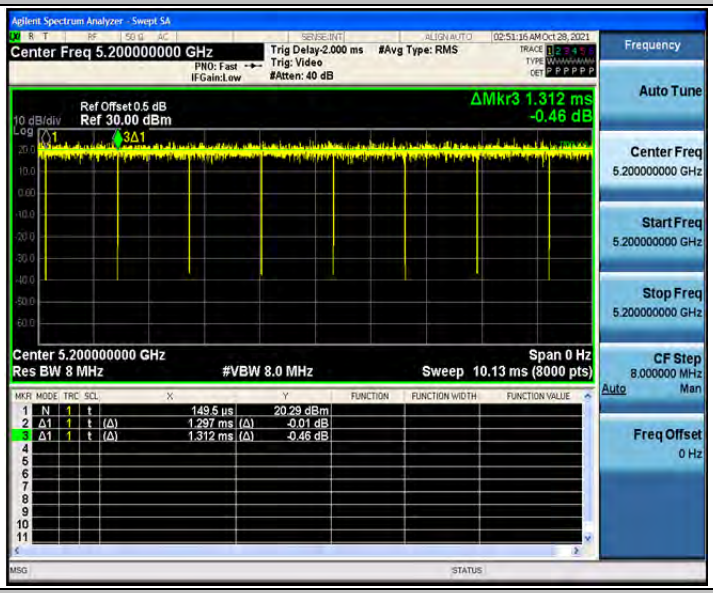

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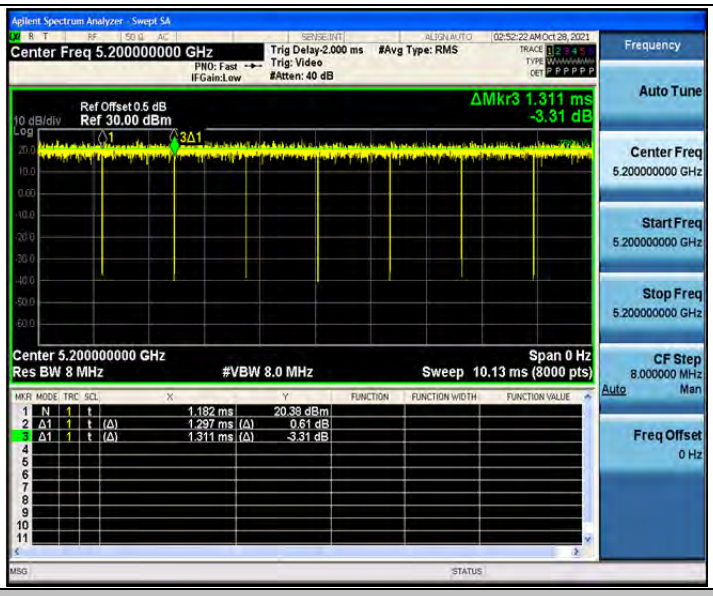
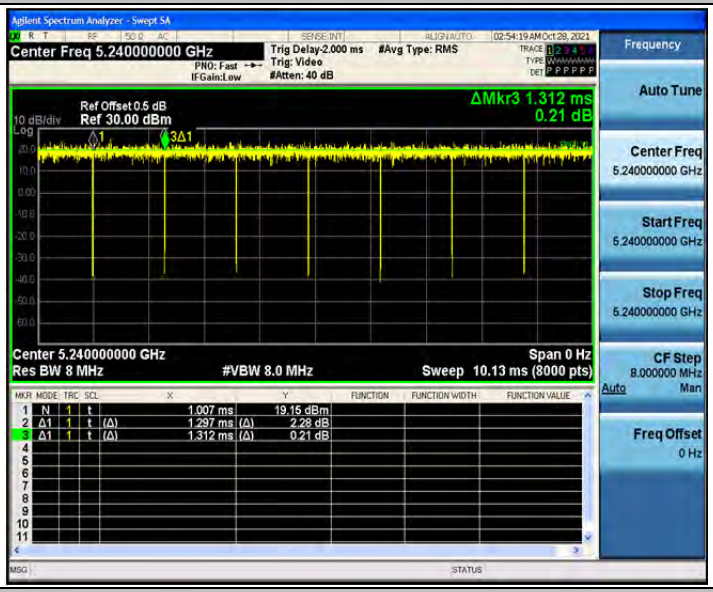


802.11n(HT20)_Ant1_5240



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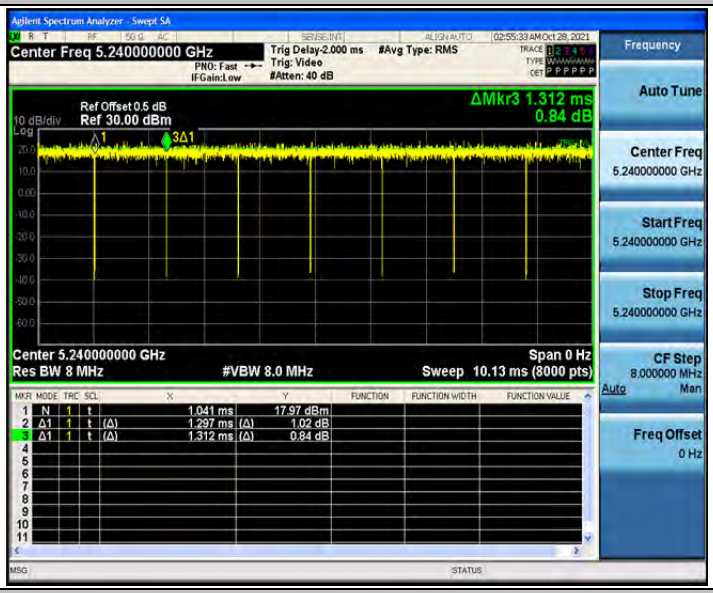
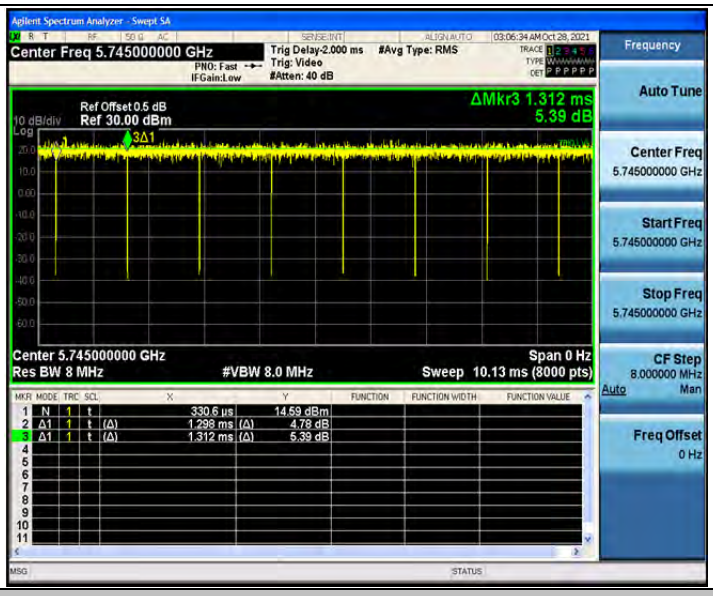


802.11n(HT20)_Ant1_5745



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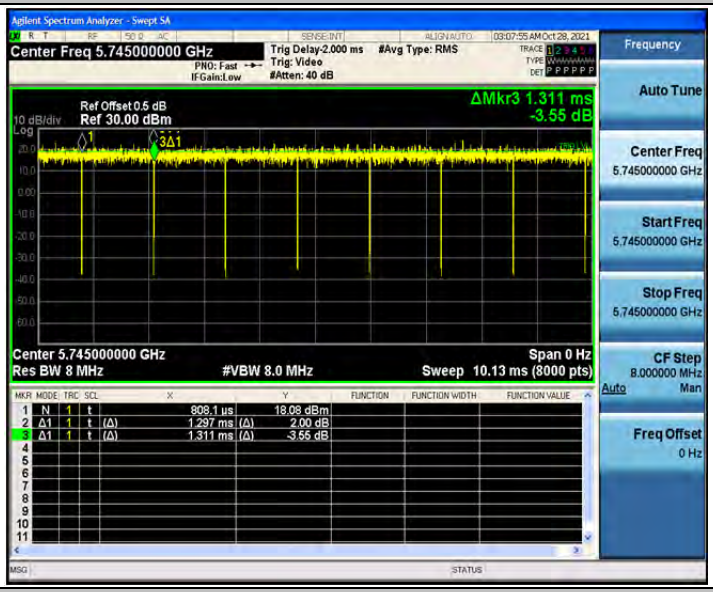

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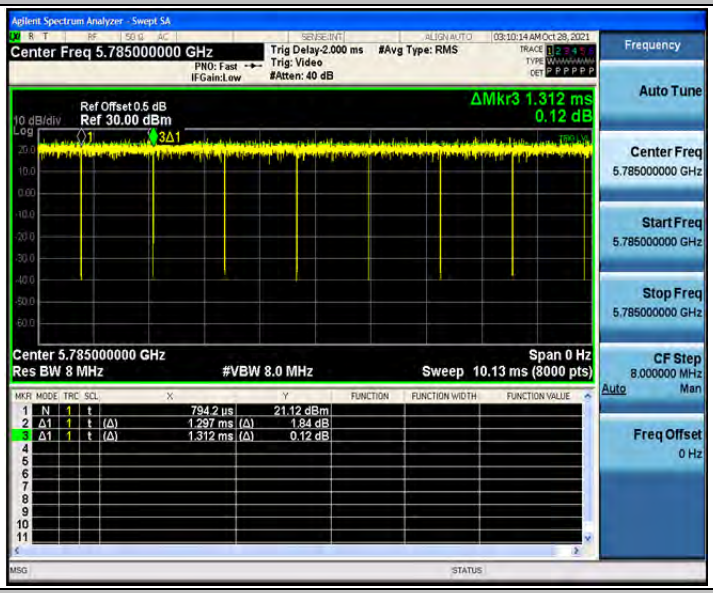

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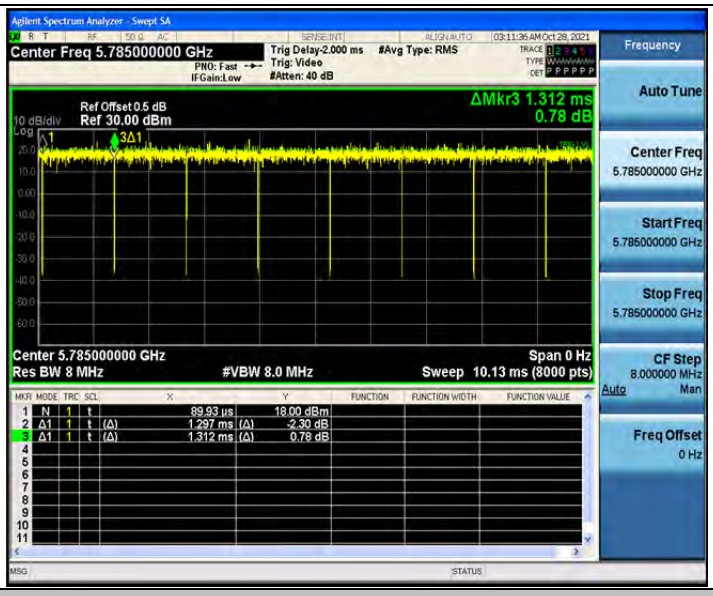

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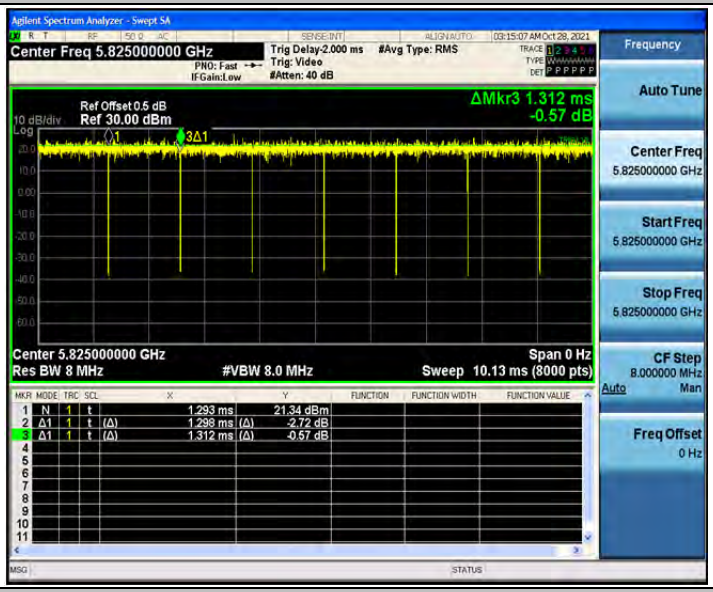

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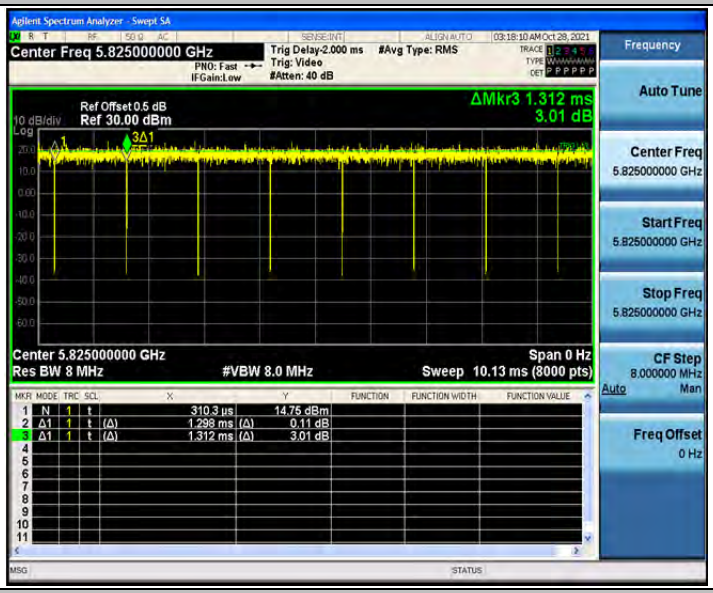

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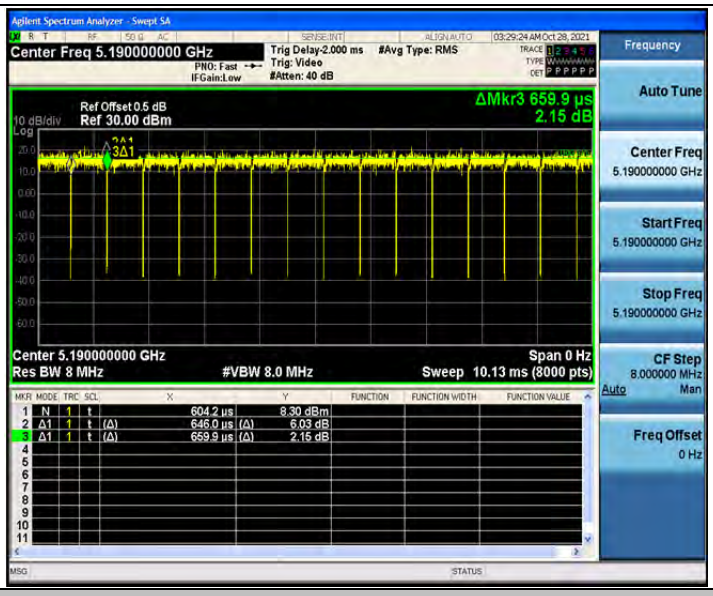

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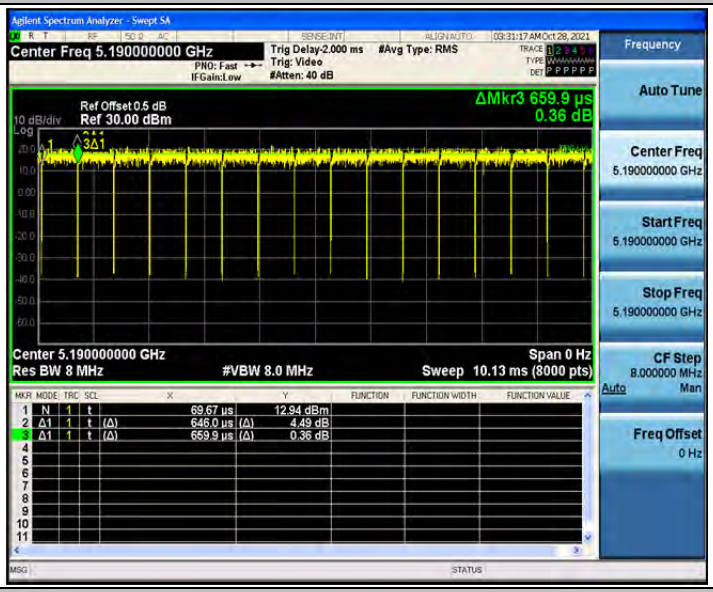

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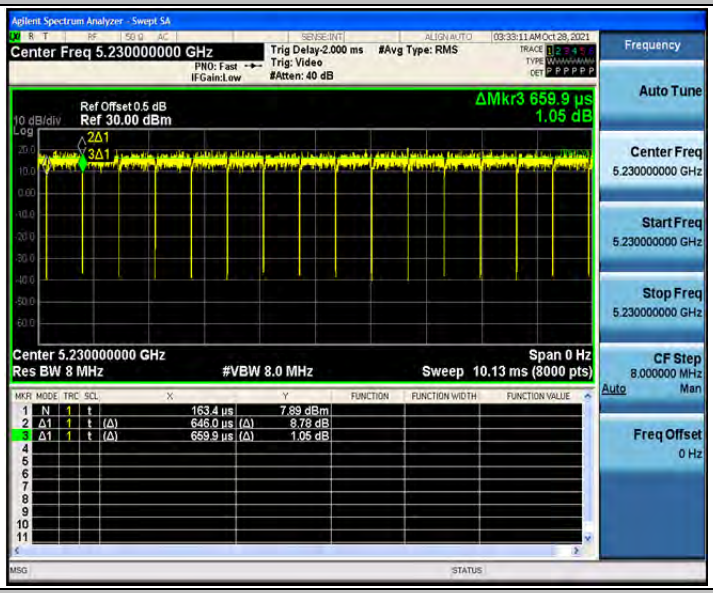

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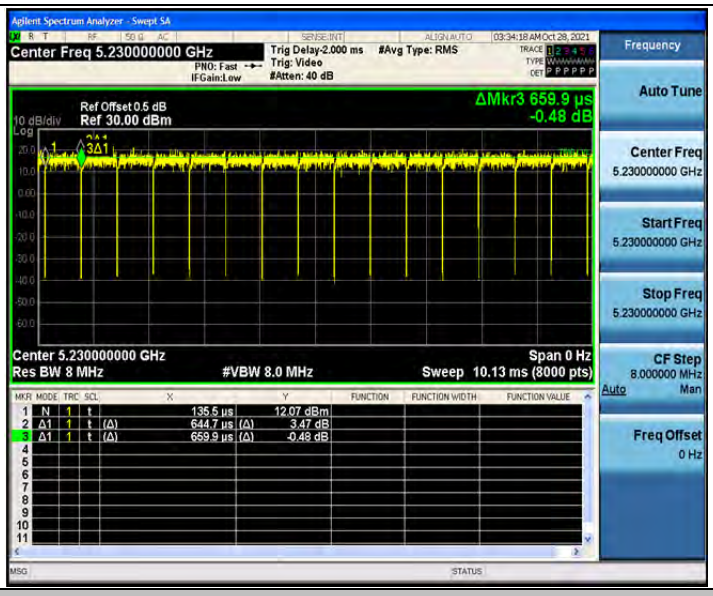

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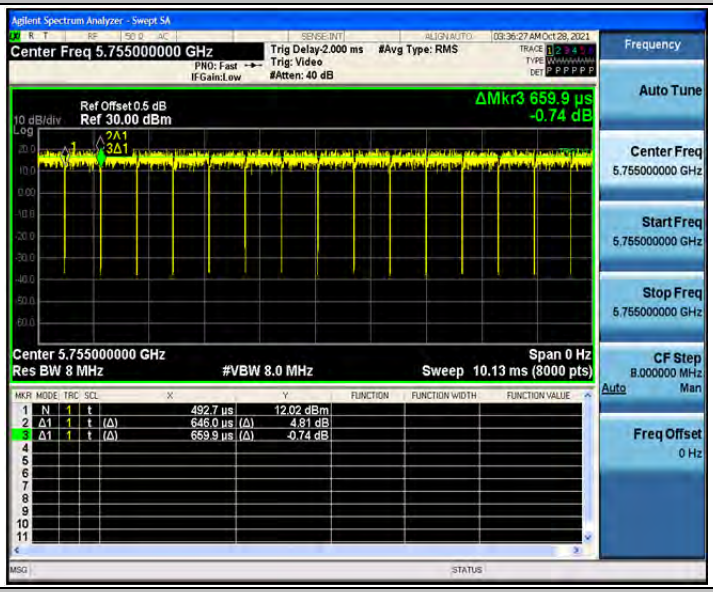

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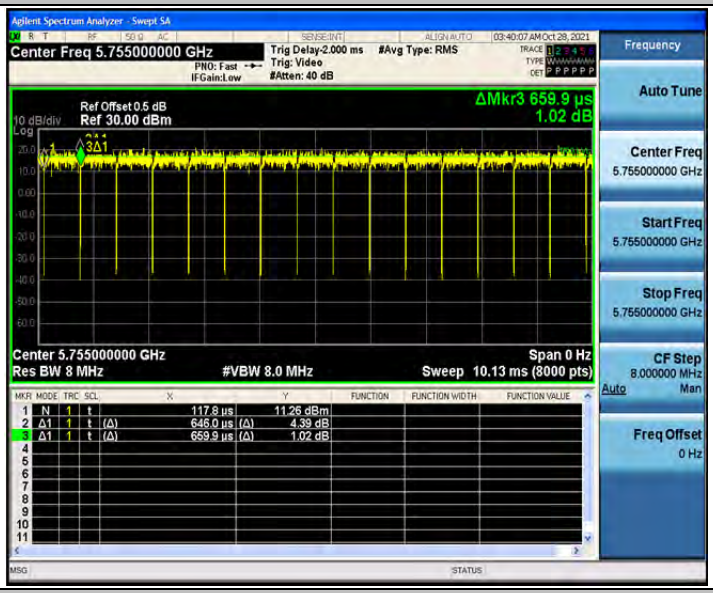

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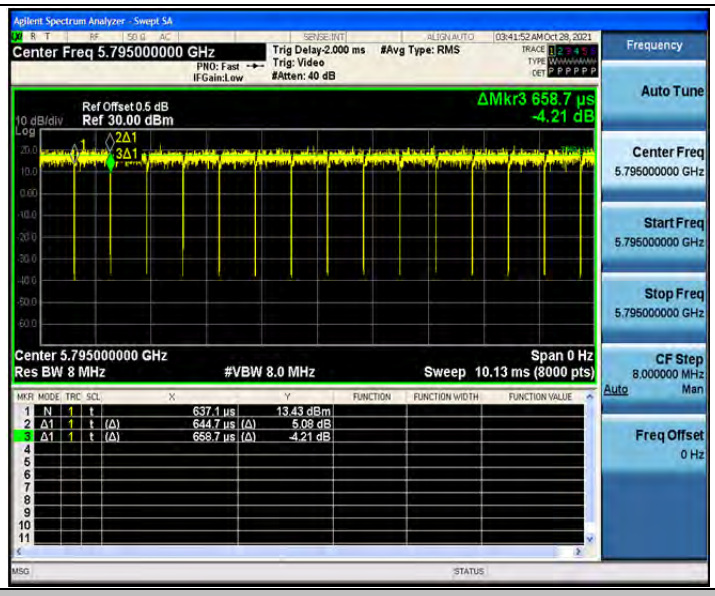

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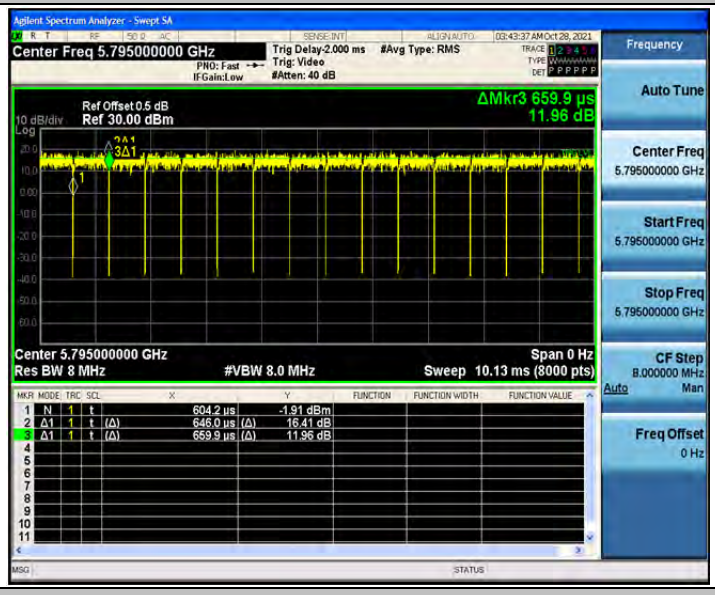

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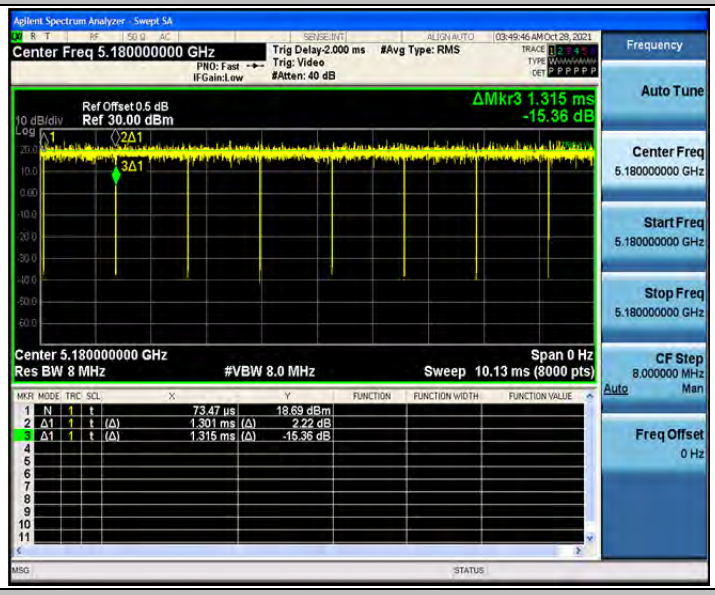

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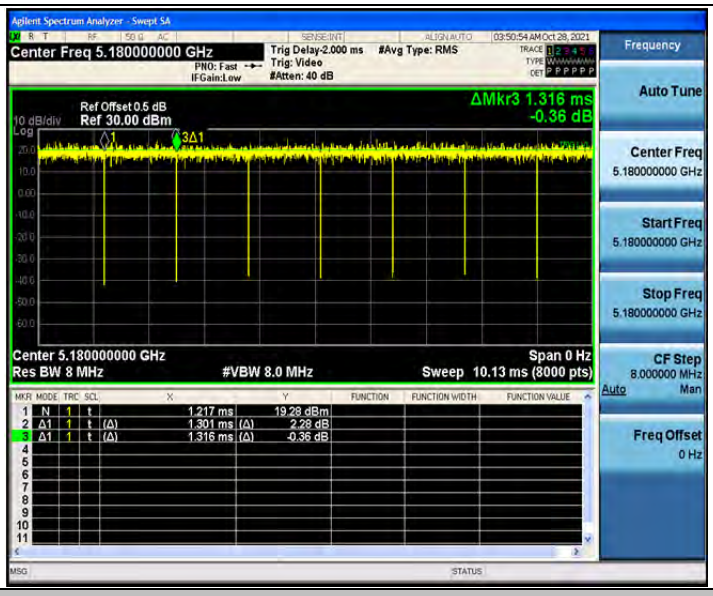

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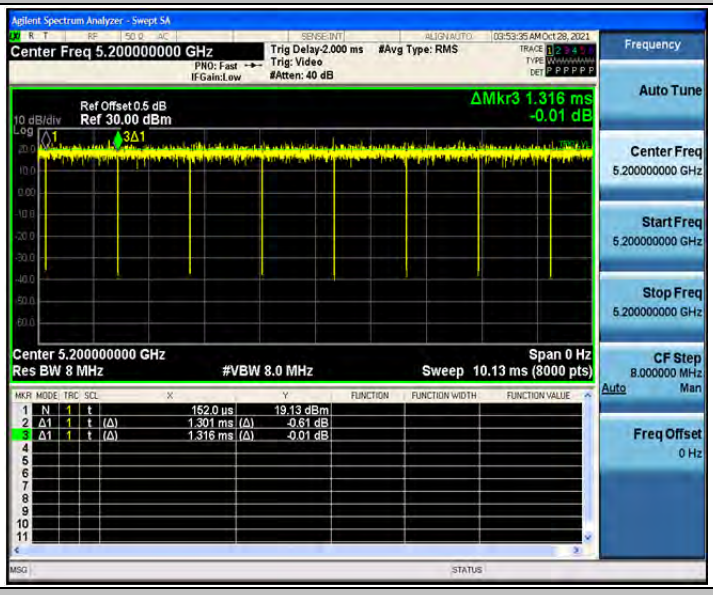

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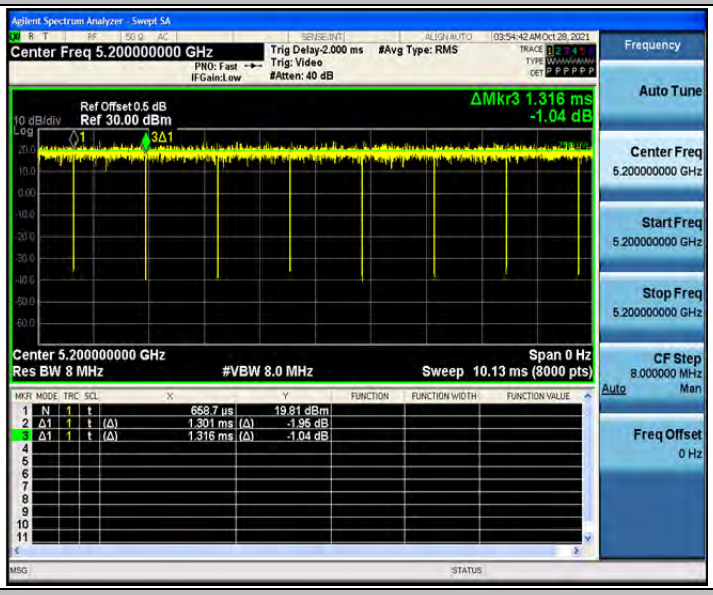

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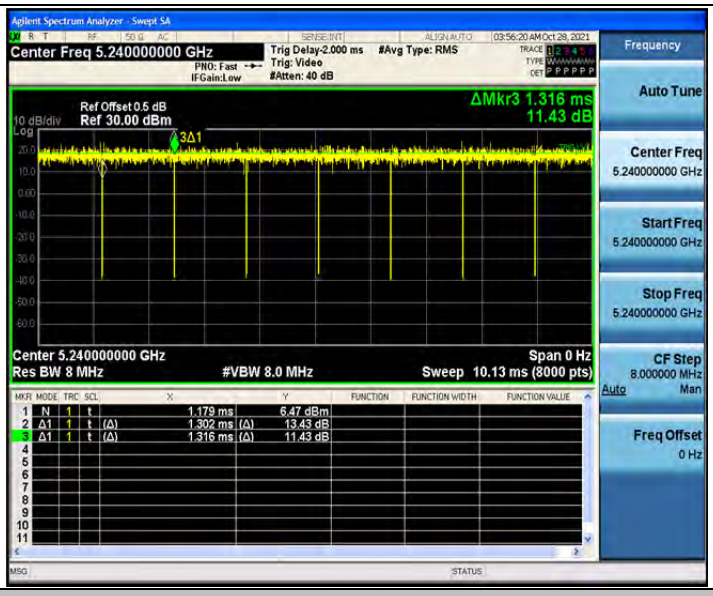

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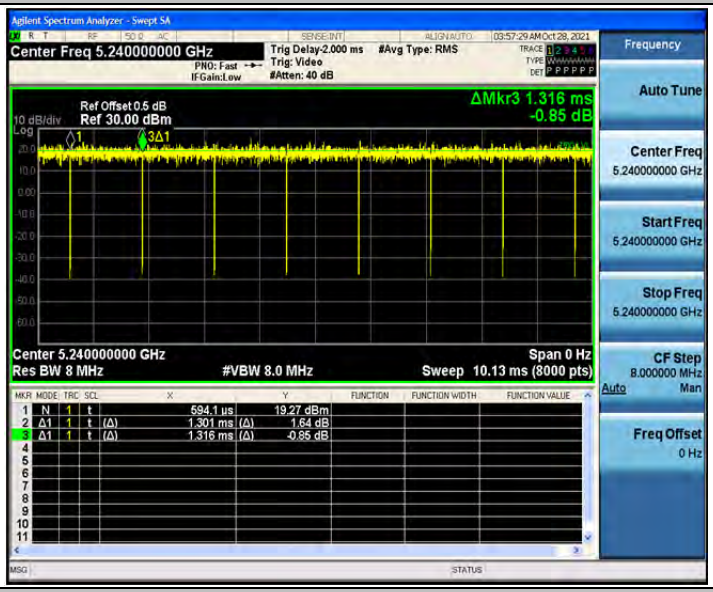

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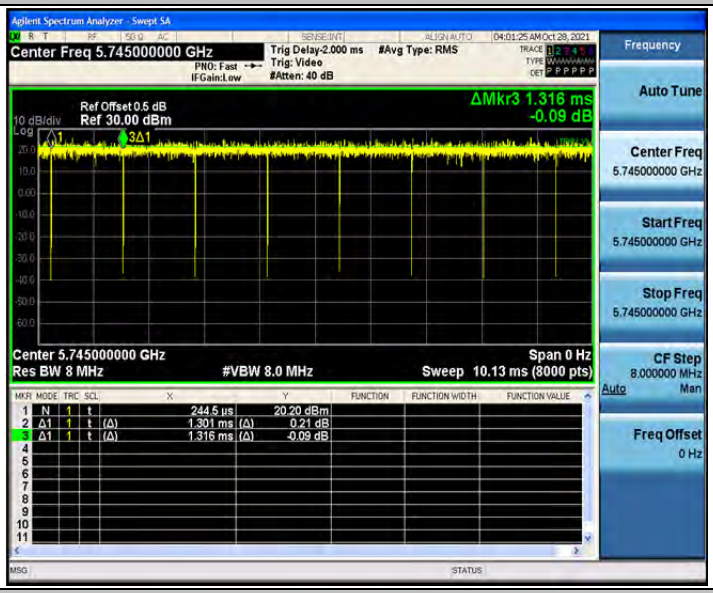

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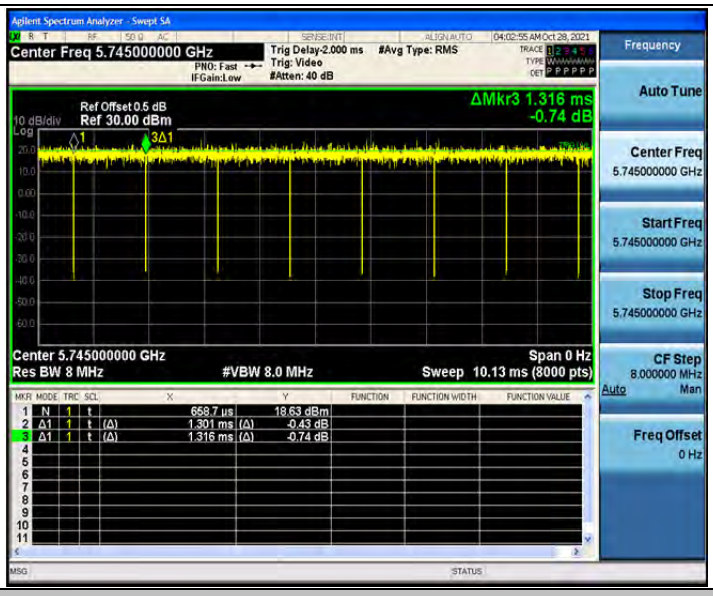

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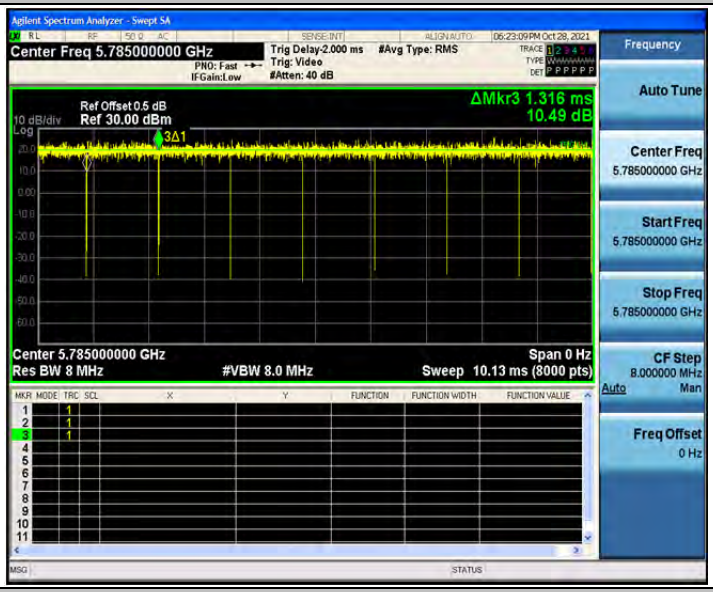

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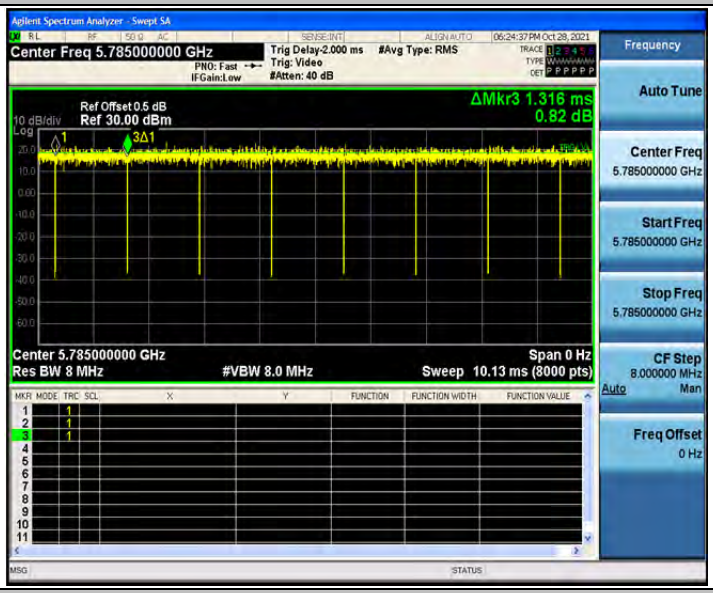

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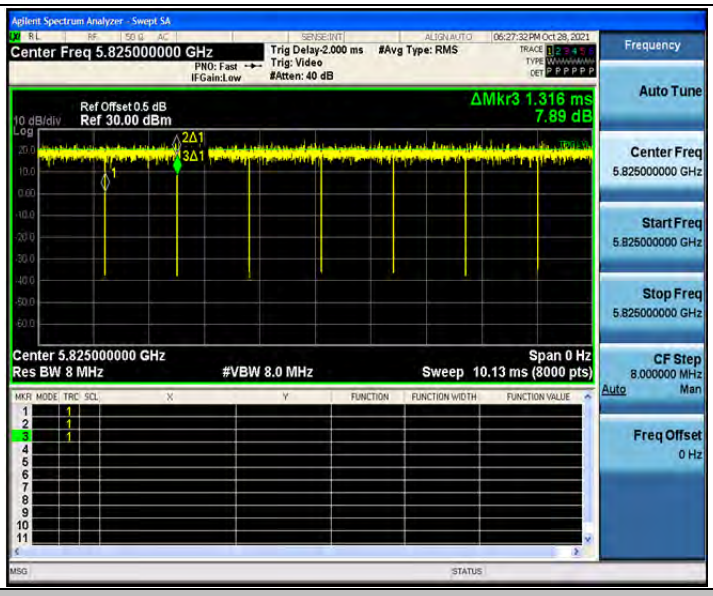

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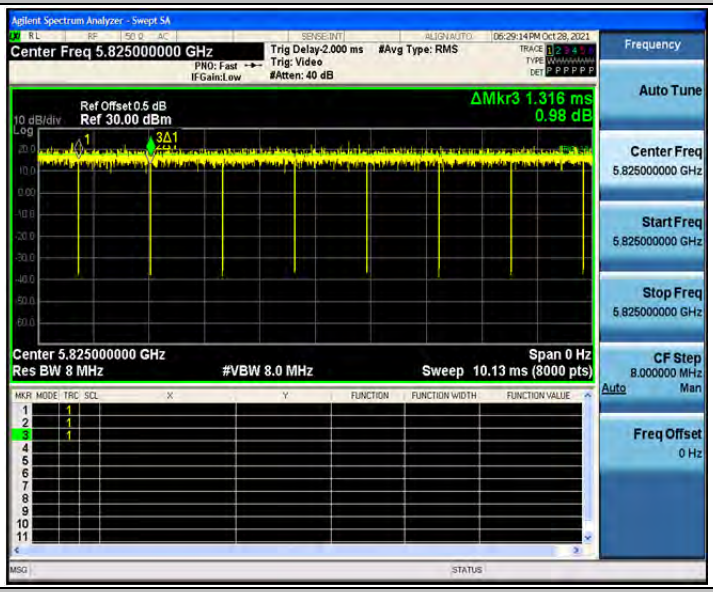

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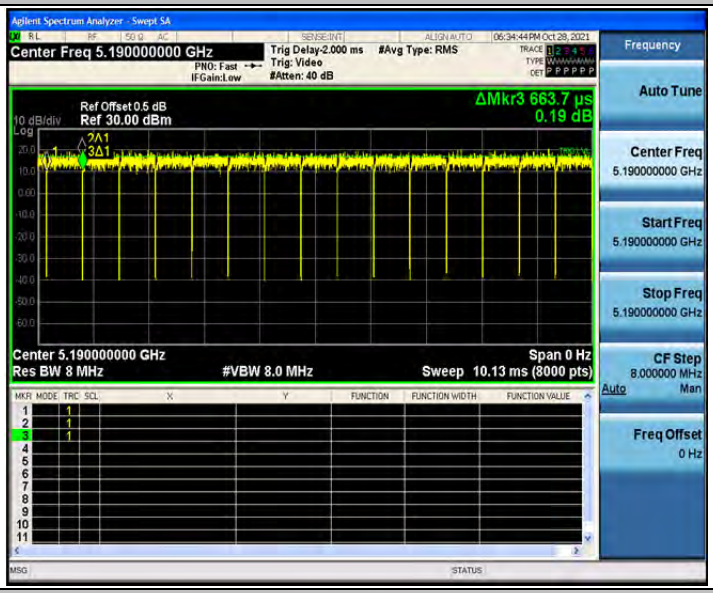

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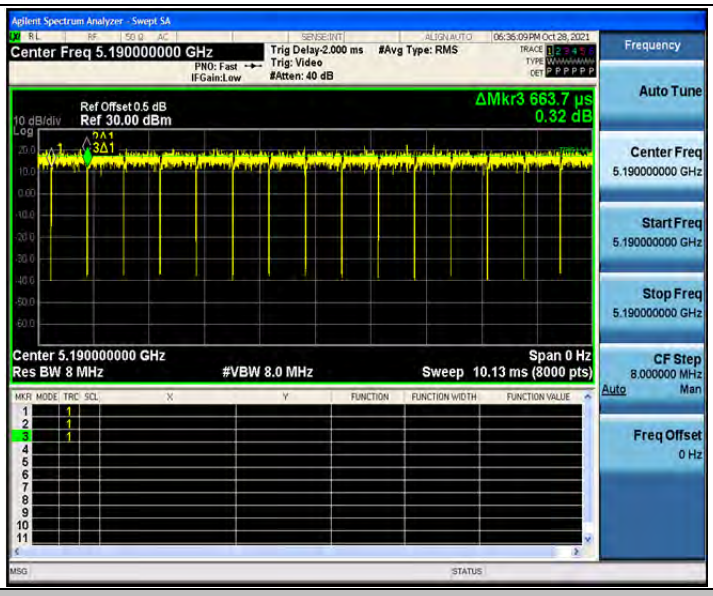

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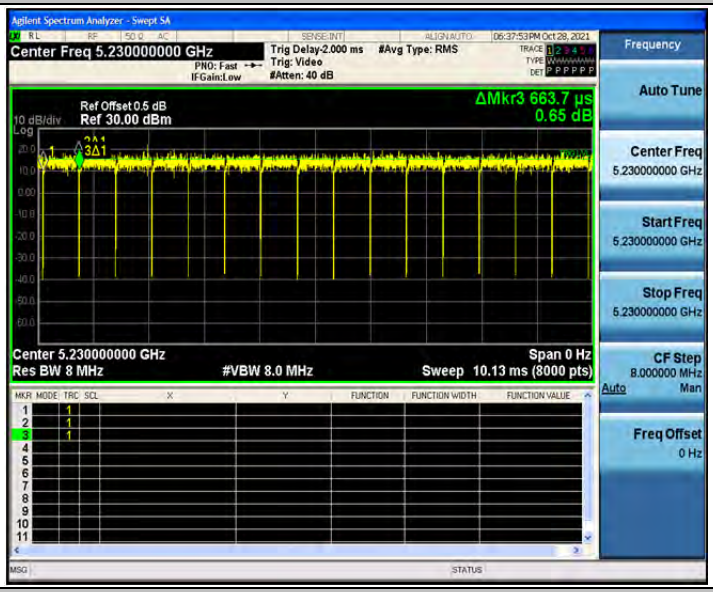

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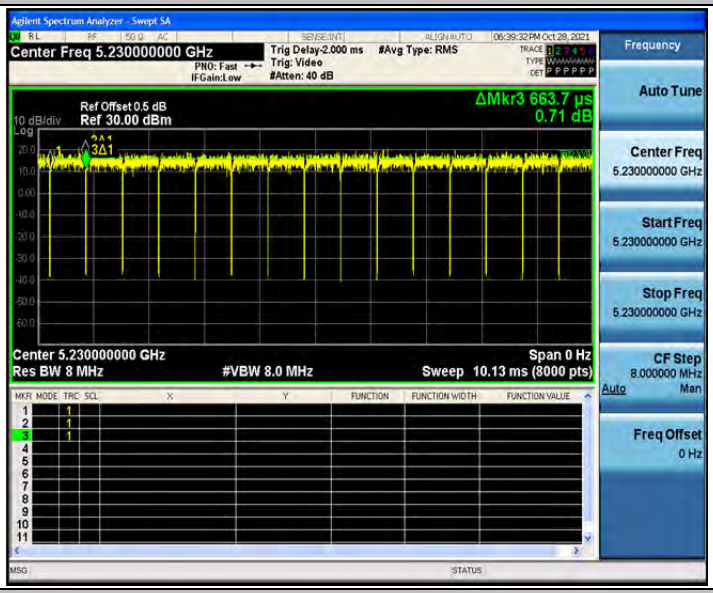

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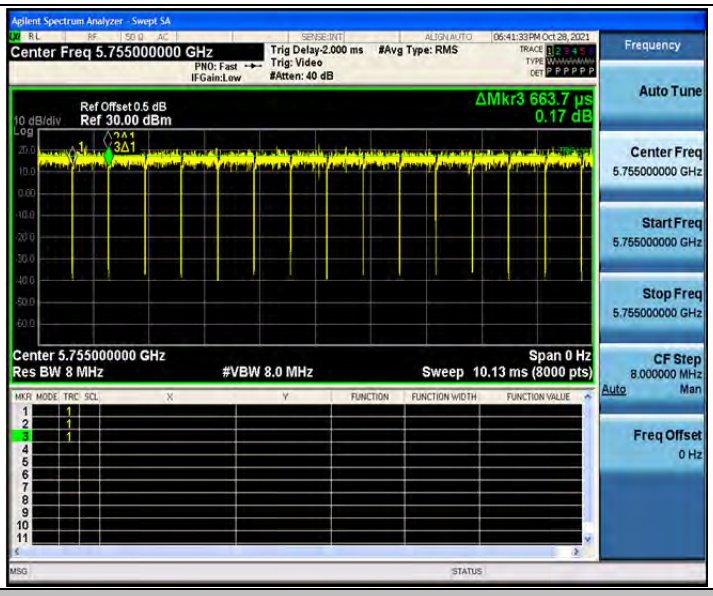

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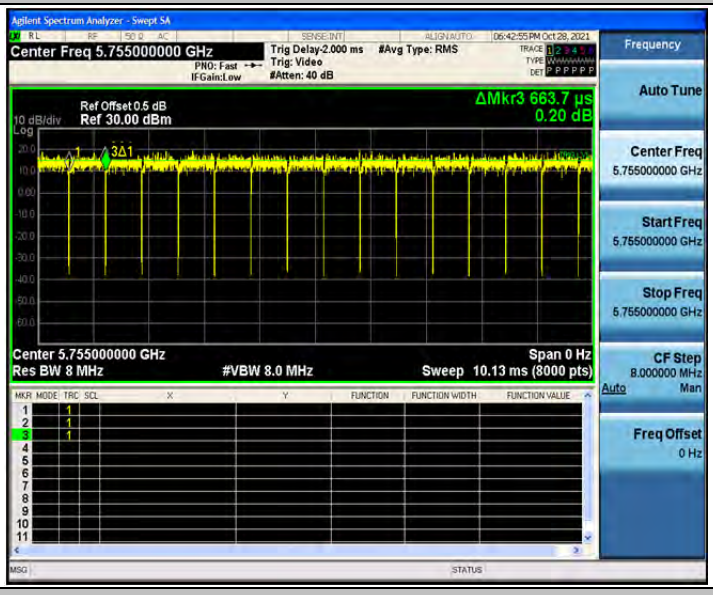

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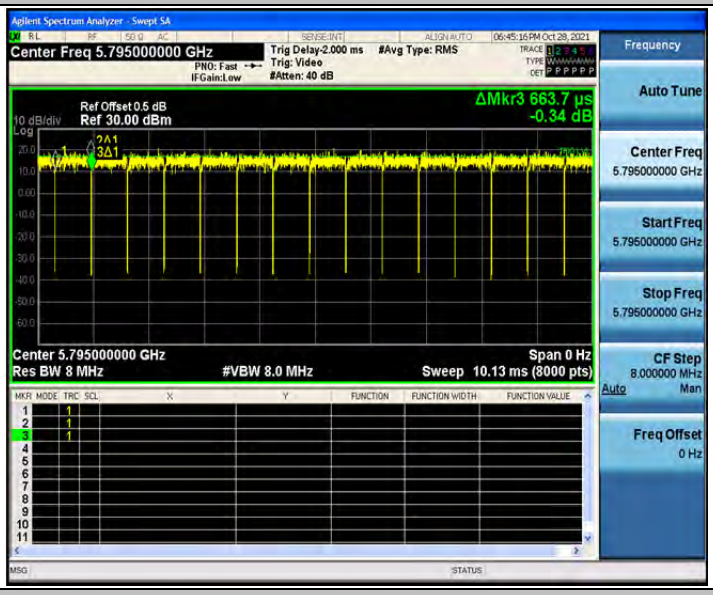

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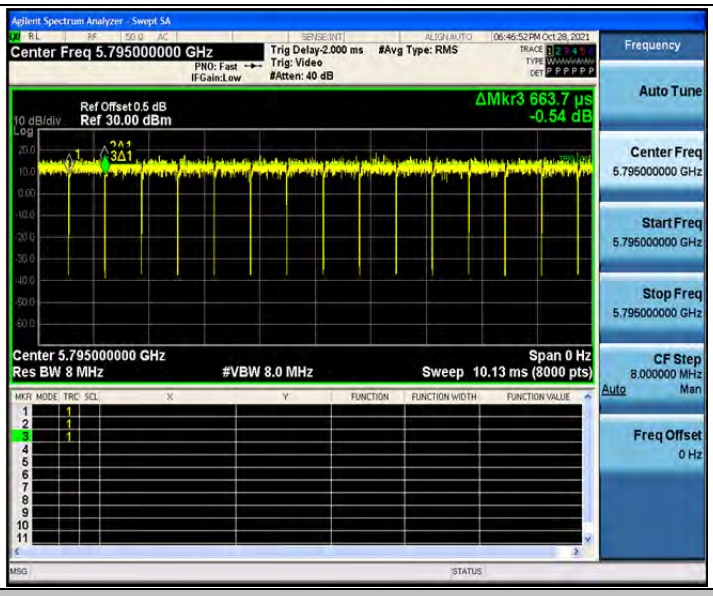

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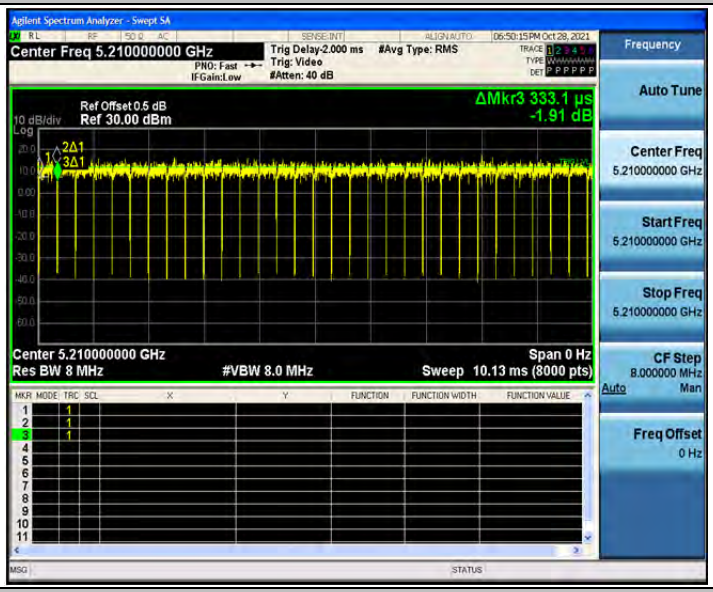

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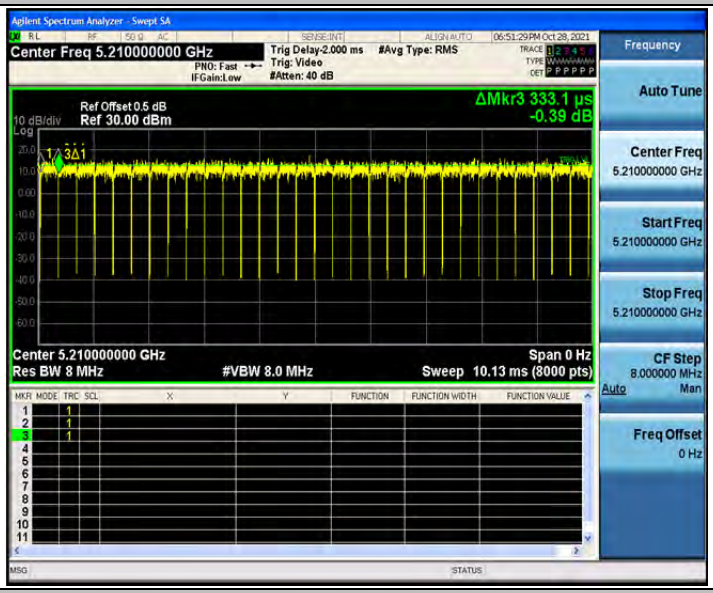

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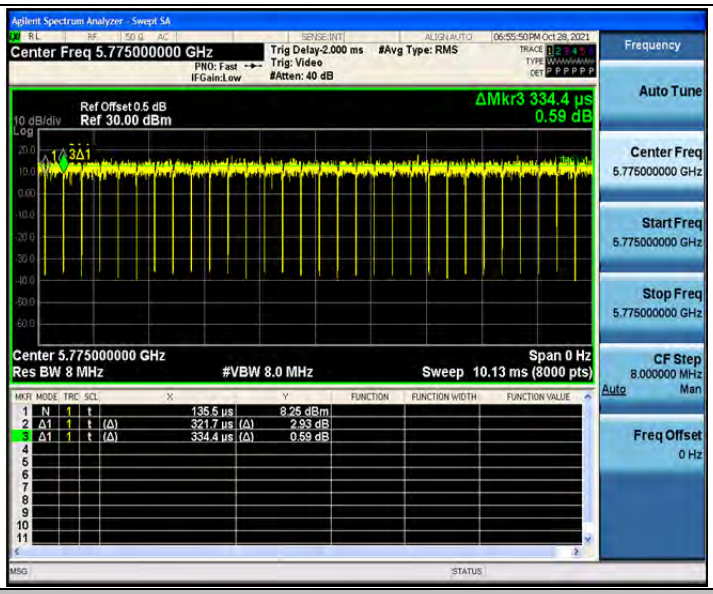

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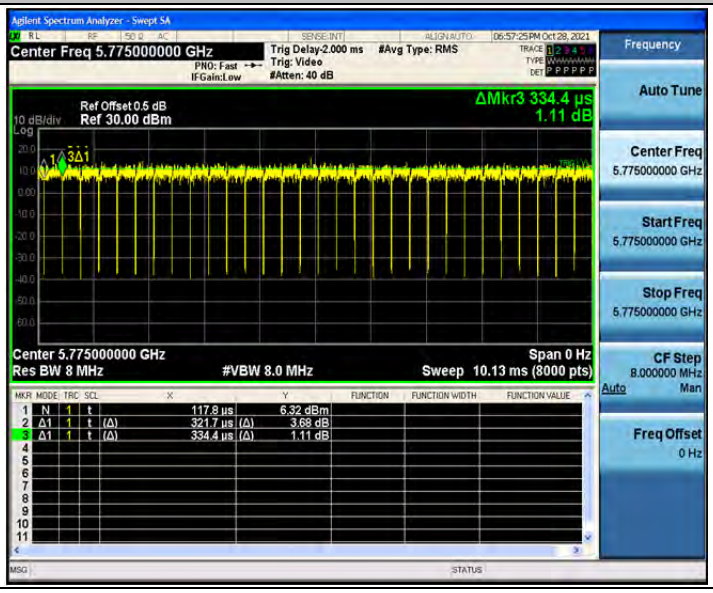

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