RF Test Data for RLAN(5.8G) (Conducted Measurement)

Product Name: OTT+DVB

Trade Mark: N/A

Test Model: SH5BFAA

FCC ID: 2AOVU-SH5BFAX

Environmental Conditions

Temperature:	25.5°C
Relative Humidity:	55.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

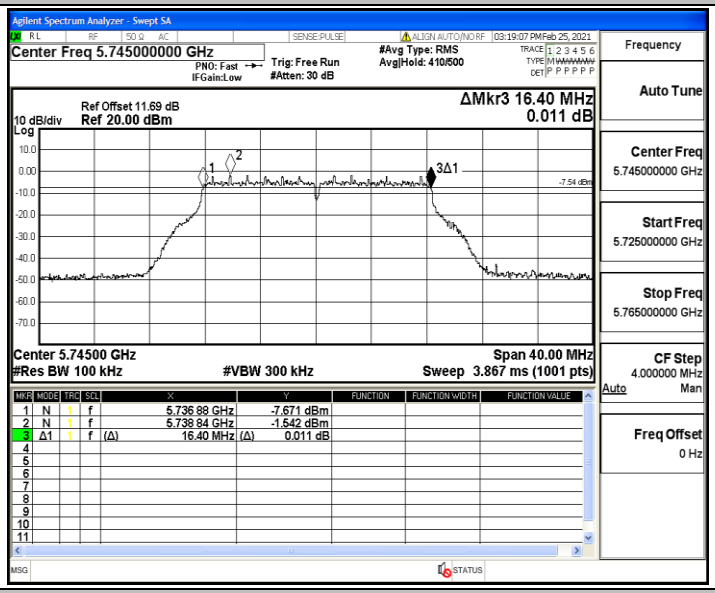
Appendix A: Min emission bandwidth

Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.400	5736.880	5753.280	0.5	PASS
	Ant2	5745	16.440	5736.880	5753.320	0.5	PASS
	Ant1	5785	16.440	5776.880	5793.320	0.5	PASS
	Ant2	5785	16.440	5776.880	5793.320	0.5	PASS
	Ant1	5825	16.440	5816.880	5833.320	0.5	PASS
	Ant2	5825	16.440	5816.880	5833.320	0.5	PASS
11N20MIMO	Ant1	5745	17.760	5736.200	5753.960	0.5	PASS
	Ant2	5745	17.800	5736.160	5753.960	0.5	PASS
	Ant1	5785	17.760	5776.200	5793.960	0.5	PASS
	Ant2	5785	17.760	5776.200	5793.960	0.5	PASS
	Ant1	5825	17.760	5816.200	5833.960	0.5	PASS
	Ant2	5825	17.760	5816.240	5834.000	0.5	PASS
11N40MIMO	Ant1	5755	36.640	5736.760	5773.400	0.5	PASS
	Ant2	5755	36.560	5736.760	5773.320	0.5	PASS
	Ant1	5795	36.560	5776.840	5813.400	0.5	PASS
	Ant2	5795	36.640	5776.760	5813.400	0.5	PASS
11AC20MIMO	Ant1	5745	17.840	5736.160	5754.000	0.5	PASS
	Ant2	5745	17.800	5736.200	5754.000	0.5	PASS
	Ant1	5785	17.800	5776.200	5794.000	0.5	PASS
	Ant2	5785	17.800	5776.200	5794.000	0.5	PASS
	Ant1	5825	17.800	5816.200	5834.000	0.5	PASS
	Ant2	5825	17.800	5816.200	5834.000	0.5	PASS
11AC40MIMO	Ant1	5755	36.480	5736.840	5773.320	0.5	PASS
	Ant2	5755	36.560	5736.760	5773.320	0.5	PASS
	Ant1	5795	36.640	5776.760	5813.400	0.5	PASS
	Ant2	5795	36.480	5776.840	5813.320	0.5	PASS
11AC80MIMO	Ant1	5775	76.640	5736.760	5813.400	0.5	PASS
	Ant2	5775	76.640	5736.760	5813.400	0.5	PASS

Test Graphs

11A_Ant1_5745



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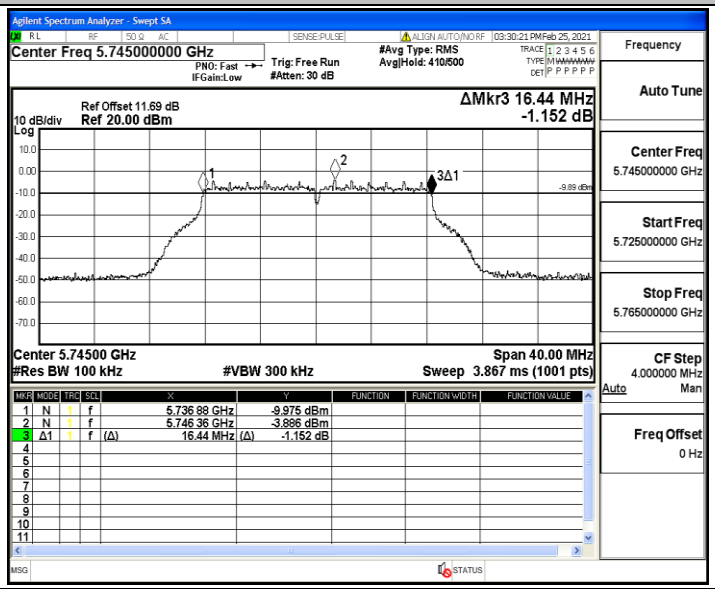

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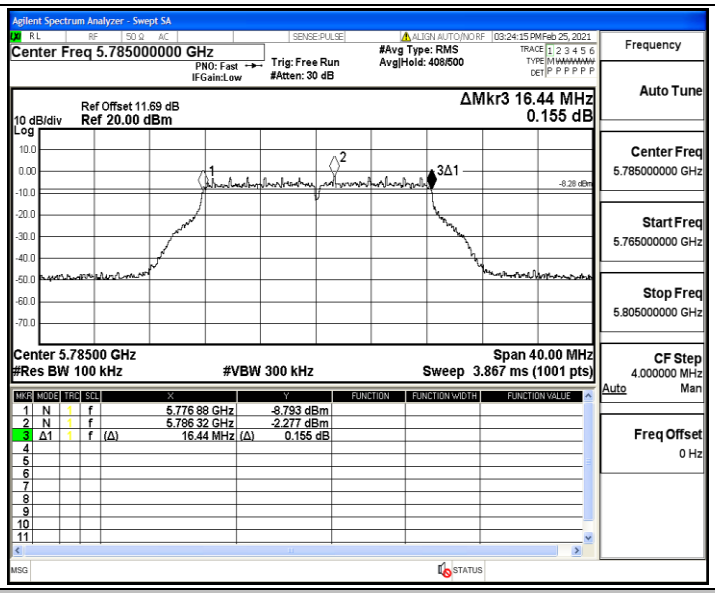

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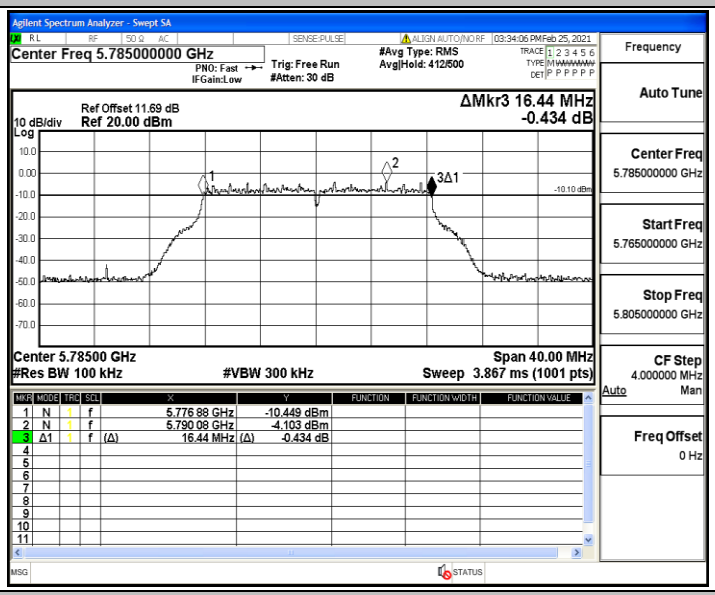
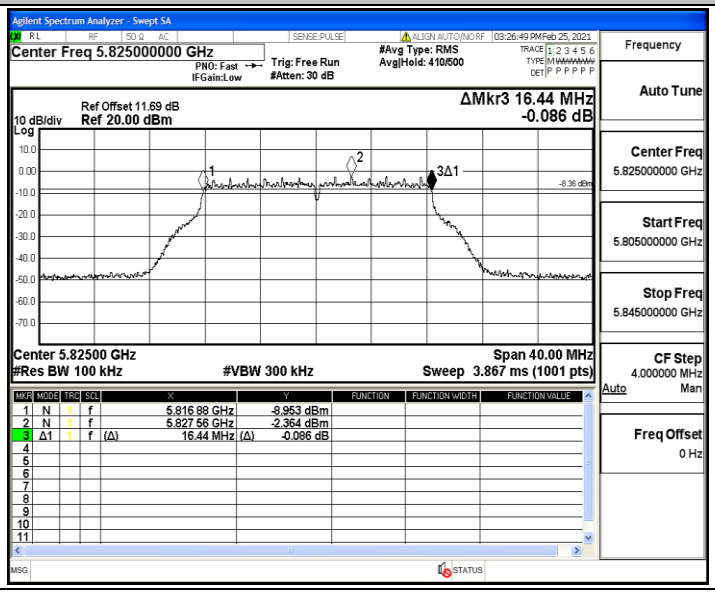


11A_Ant1_5825



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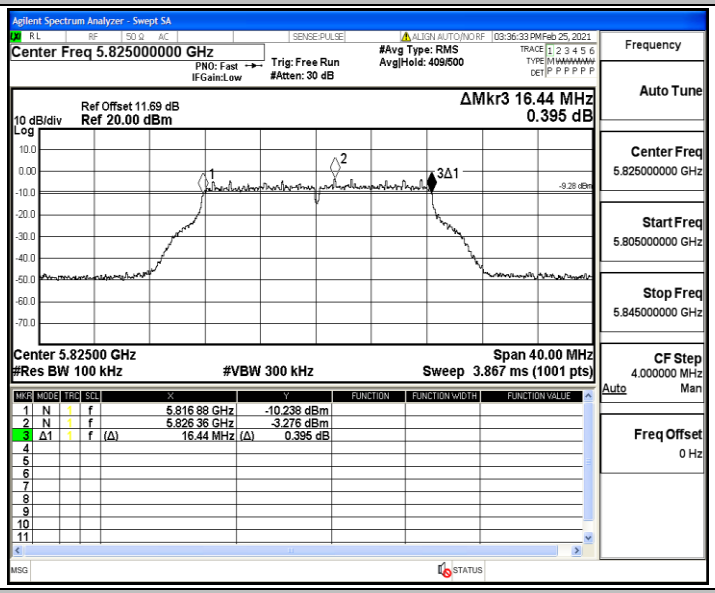

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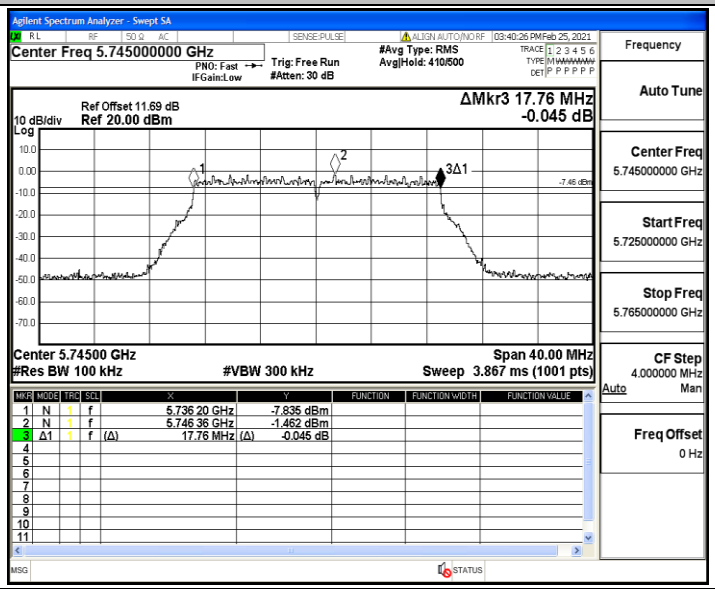

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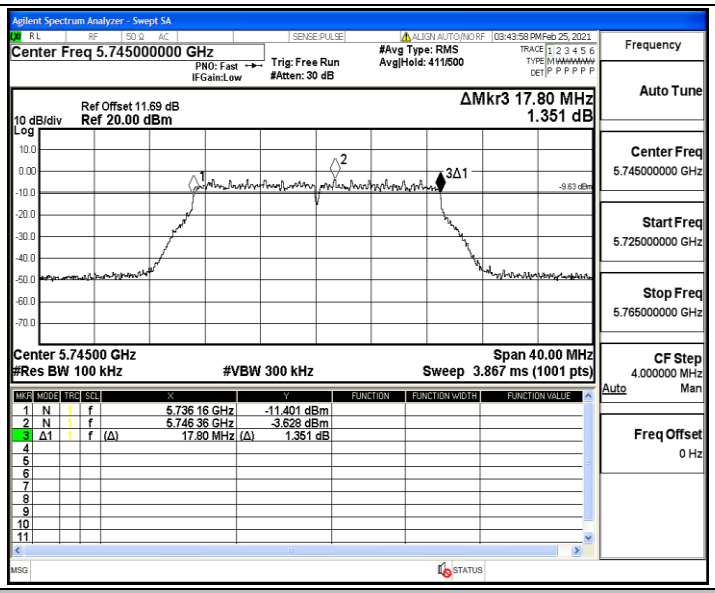

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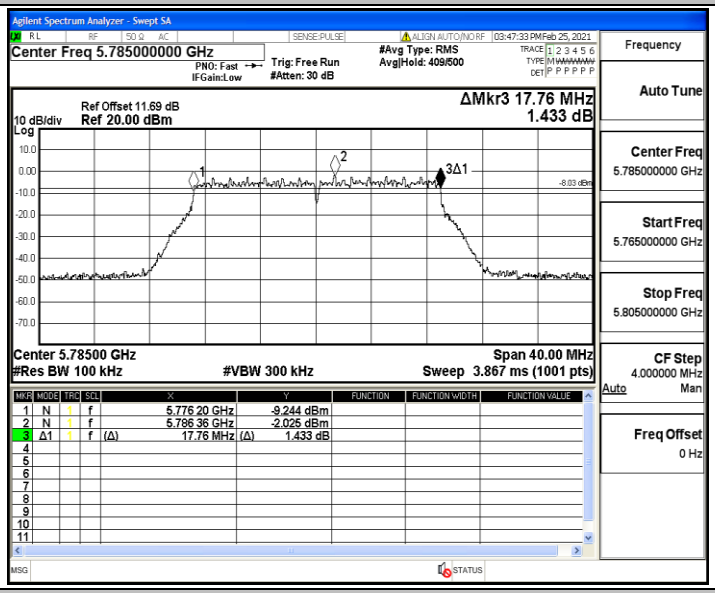

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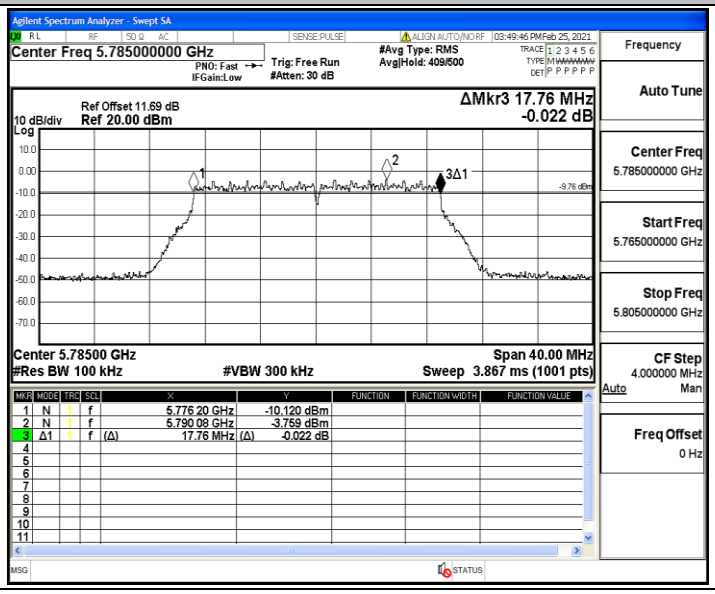

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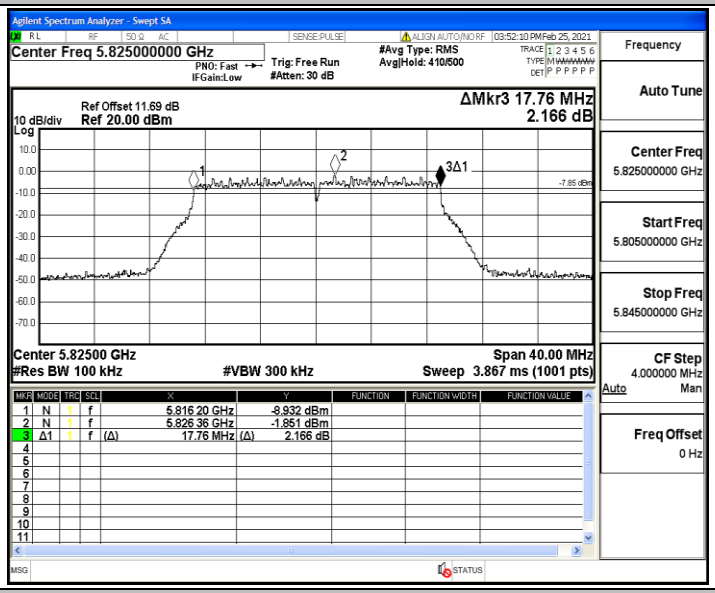

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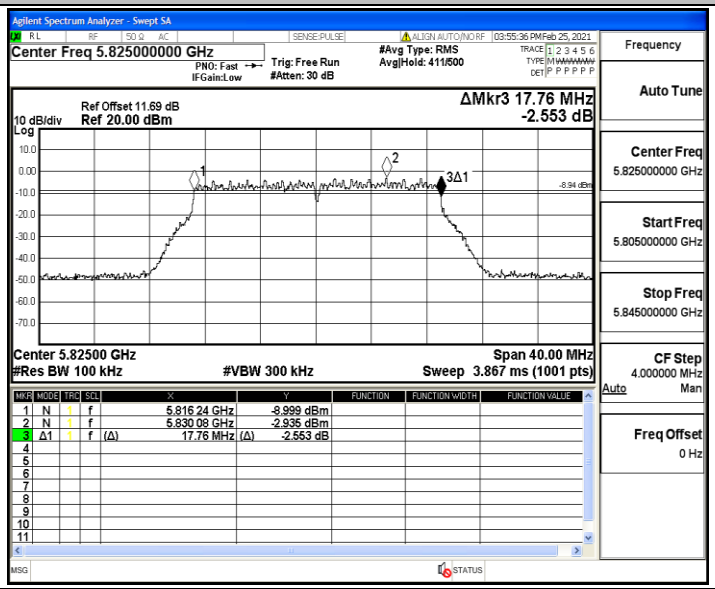

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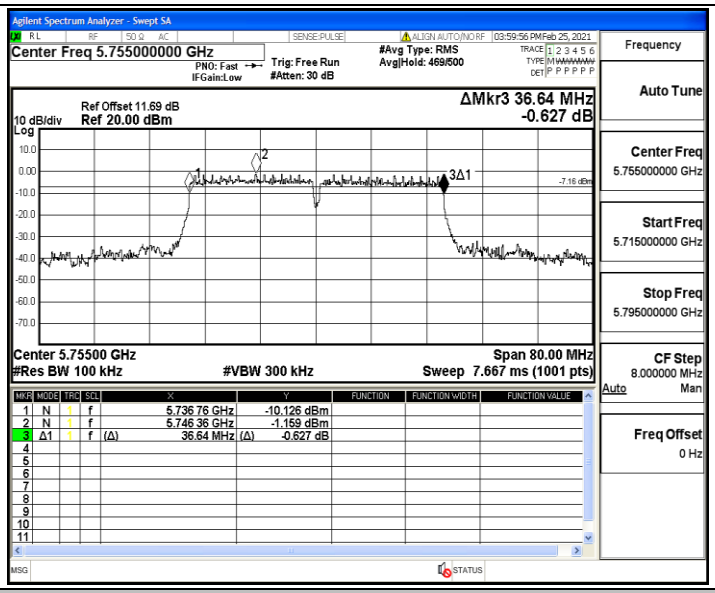

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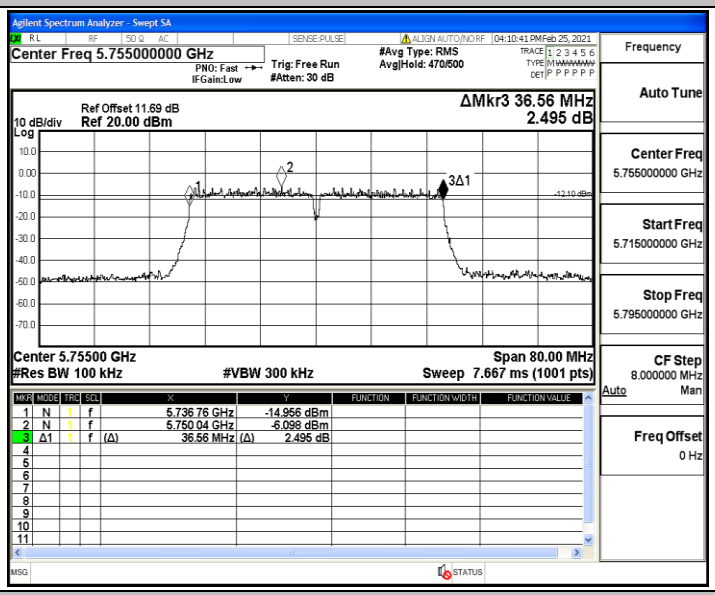

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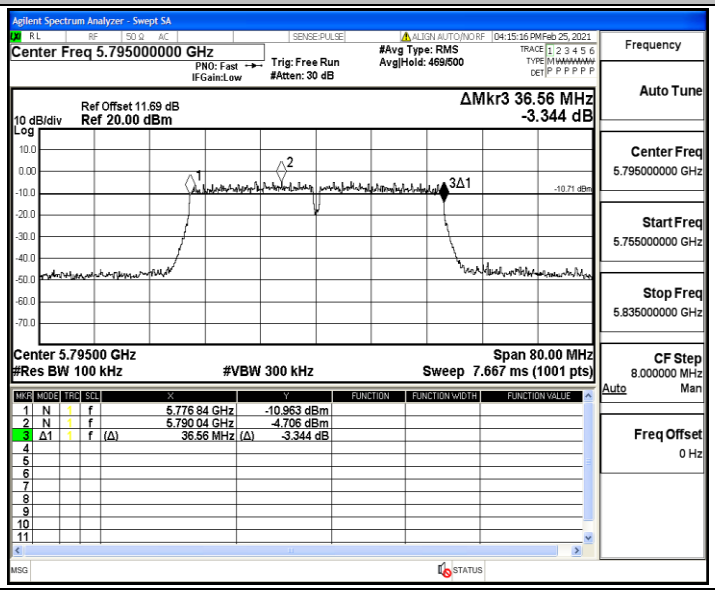

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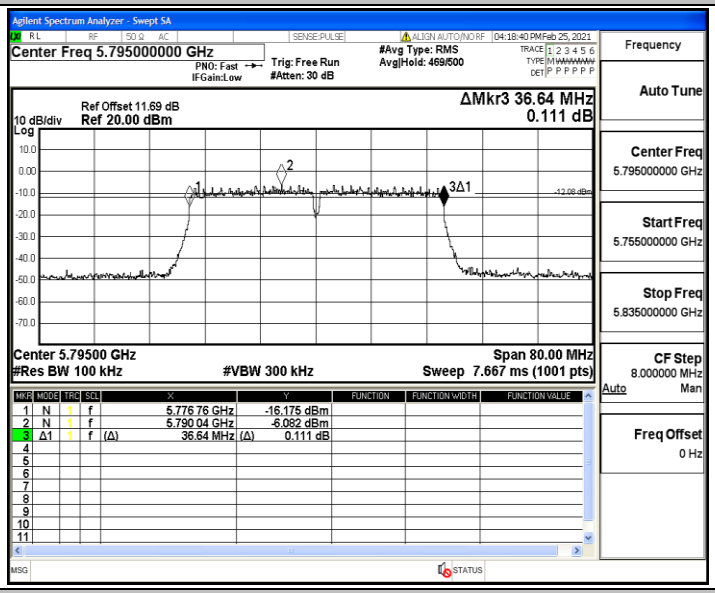

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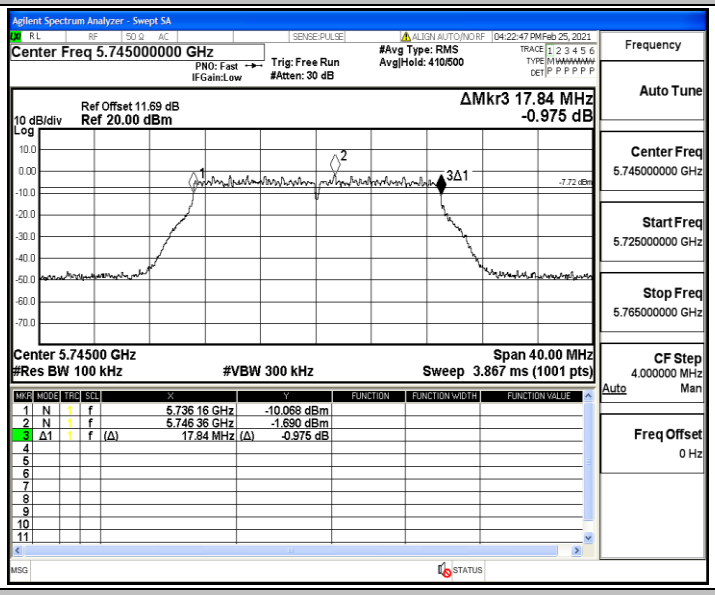

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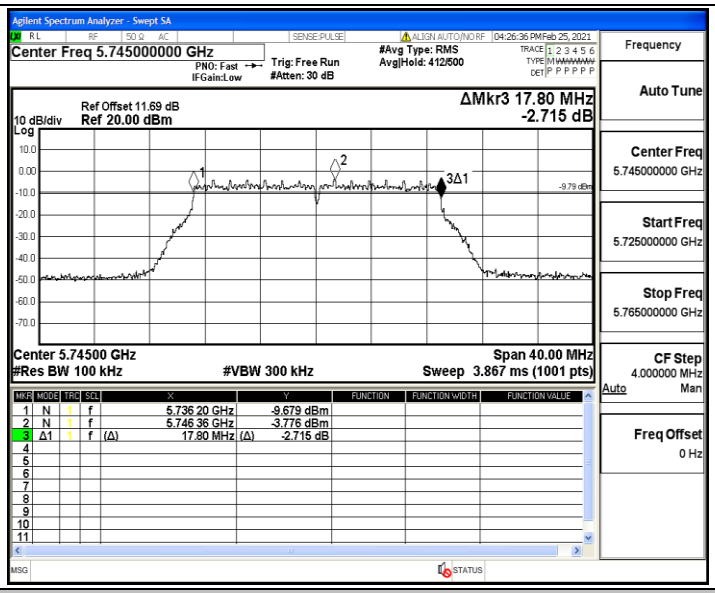

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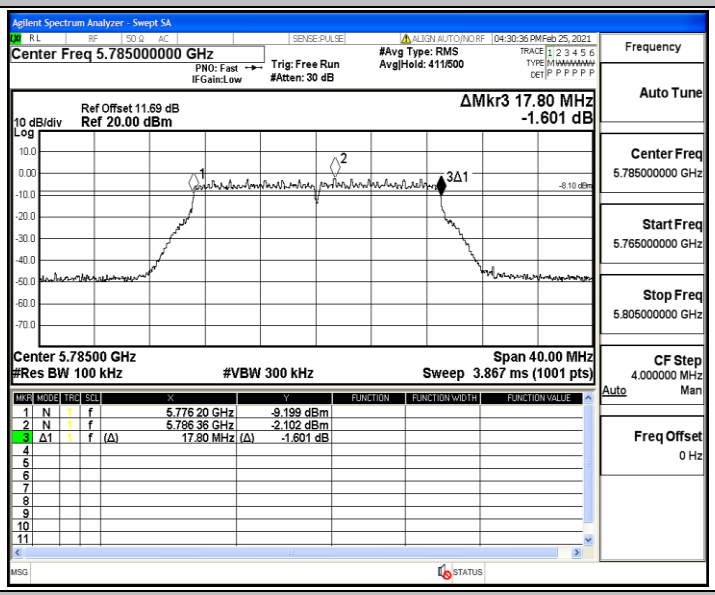

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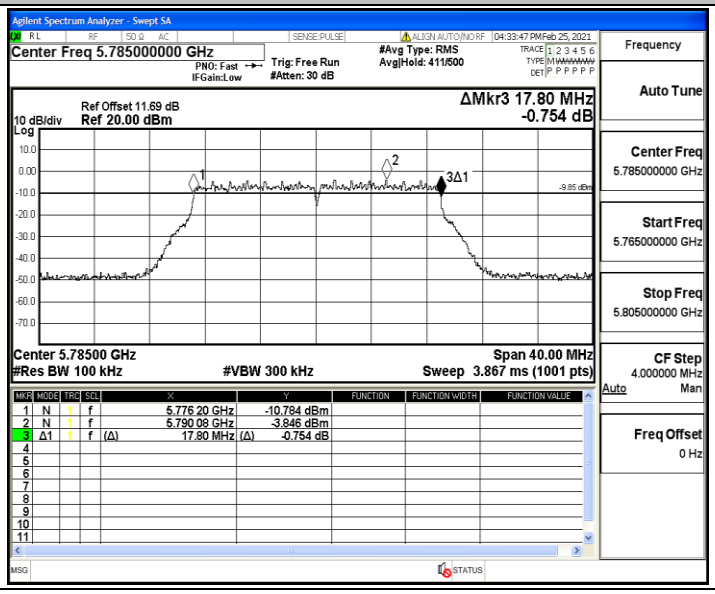

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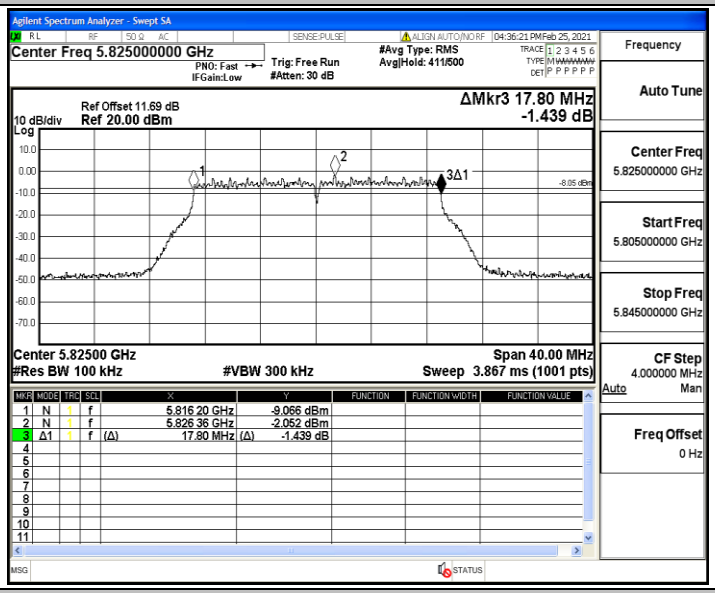

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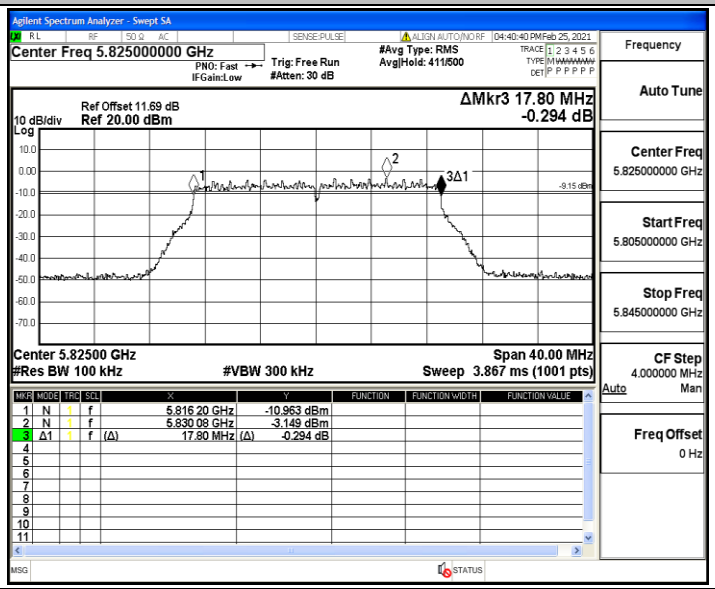

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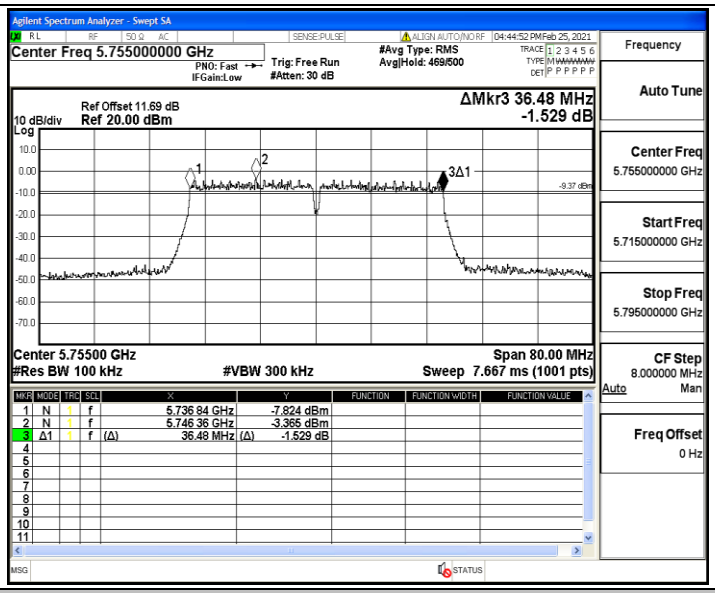

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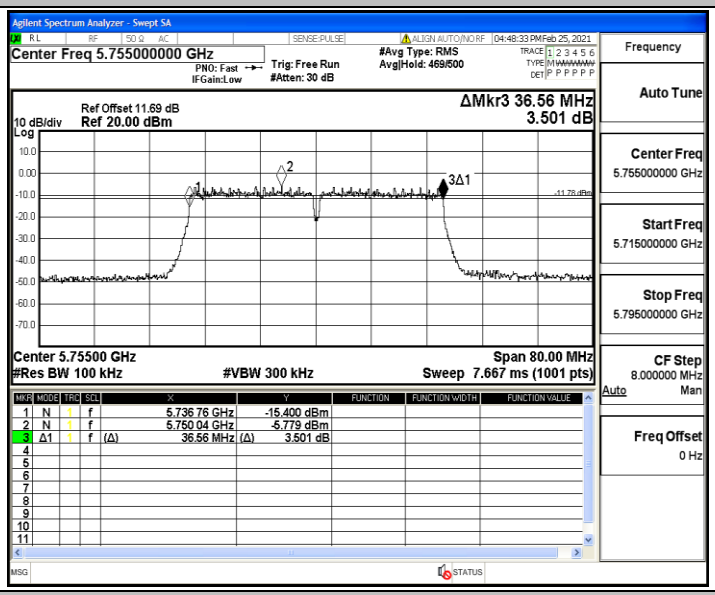
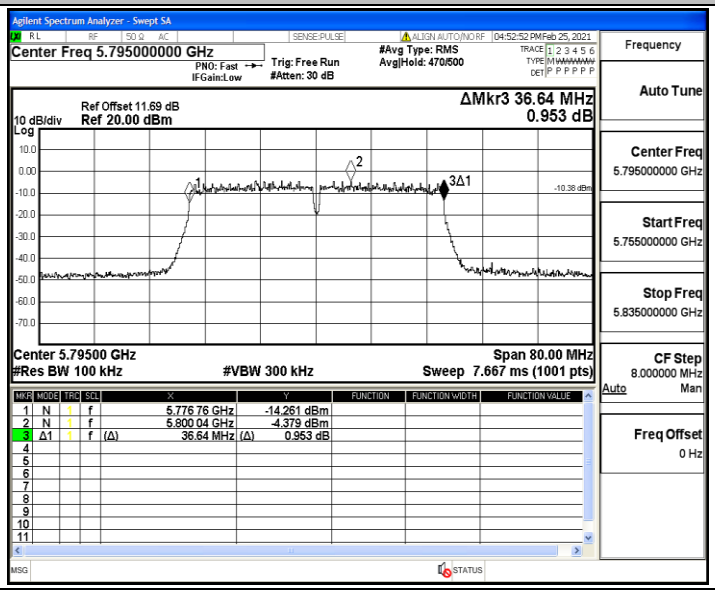
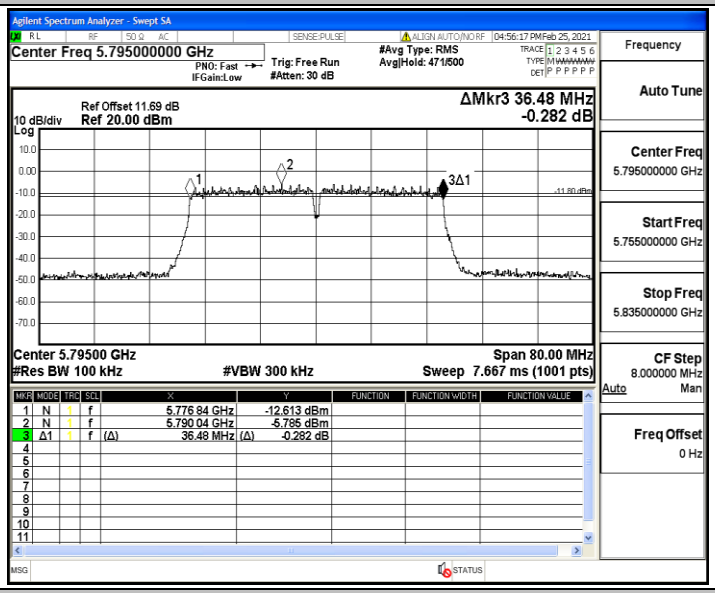


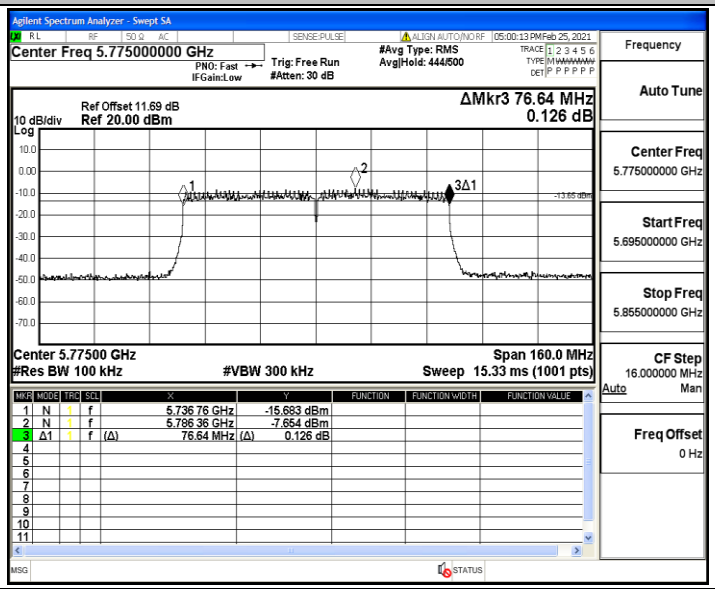
11AC40MIMO_Ant1_5795



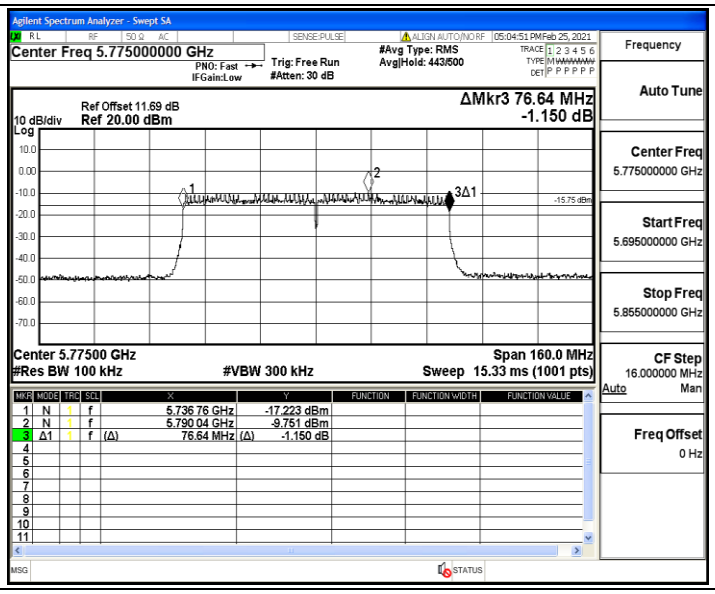
11AC40MIMO_Ant2_5795



11AC80MIMO_Ant1_5775



11AC80MIMO_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: 443/500
05:04:51 PM Feb 25, 2021
Frequency
Auto Tune
Ref Offset 11.69 dB
10 dB/div Ref 20.00 dBm
Log
ΔMkr3 76.64 MHz
-1.150 dB
-15.75 dBm
Center Freq
5.775000000 GHz
Start Freq
5.695000000 GHz
Stop Freq
5.855000000 GHz
Center 5.77500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 160.0 MHz
Sweep 15.33 ms (1001 pts)
CF Step
16.000000 MHz
Auto Man
Freq Offset
0 Hz
1 N f 5.736 76 GHz -17.223 dBm
2 N f 5.790 04 GHz -9.751 dBm
3 Δ1 f (Δ) 76.64 MHz (Δ) -1.150 dB
MSG
STATUS

Appendix B: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5745	9.80	<=30	PASS
	Ant2	5745	7.55	<=30	PASS
	Ant1	5785	9.21	<=30	PASS
	Ant2	5785	7.44	<=30	PASS
	Ant1	5825	9.12	<=30	PASS
	Ant2	5825	7.96	<=30	PASS
11N20MIMO	Ant1	5745	9.87	<=30	PASS
	Ant2	5745	7.79	<=30	PASS
	total	5745	12.0	<=29.68	PASS
	Ant1	5785	9.17	<=30	PASS
	Ant2	5785	7.54	<=30	PASS
	total	5785	11.4	<=29.68	PASS
	Ant1	5825	9.23	<=30	PASS
	Ant2	5825	8.10	<=30	PASS
	total	5825	11.7	<=30	PASS
11N40MIMO	Ant1	5755	9.98	<=30	PASS
	Ant2	5755	9.53	<=30	PASS
	total	5755	10.1	<=29.68	PASS
	Ant1	5795	9.51	<=30	PASS
	Ant2	5795	7.91	<=30	PASS
	total	5795	11.8	<=29.68	PASS
11AC20MIMO	Ant1	5745	9.54	<=30	PASS
	Ant2	5745	7.80	<=30	PASS
	total	5745	11.8	<=29.68	PASS
	Ant1	5785	9.11	<=30	PASS
	Ant2	5785	7.45	<=30	PASS
	total	5785	11.4	<=29.68	PASS
	Ant1	5825	9.12	<=30	PASS
	Ant2	5825	7.97	<=30	PASS
	total	5825	11.6	<=29.68	PASS
11AC40MIMO	Ant1	5755	10.42	<=30	PASS
	Ant2	5755	8.10	<=30	PASS
	total	5755	12.4	<=29.68	PASS
	Ant1	5795	9.42	<=30	PASS
	Ant2	5795	8.16	<=30	PASS
	total	5795	11.8	<=29.68	PASS
11AC80MIMO	Ant1	5775	8.40	<=30	PASS
	Ant2	5775	7.01	<=30	PASS
	total	5775	10.8	<=29.68	PASS

Note：The Duty Cycle Factor is compensated in the graph.

Appendix C: Maximum power spectral density

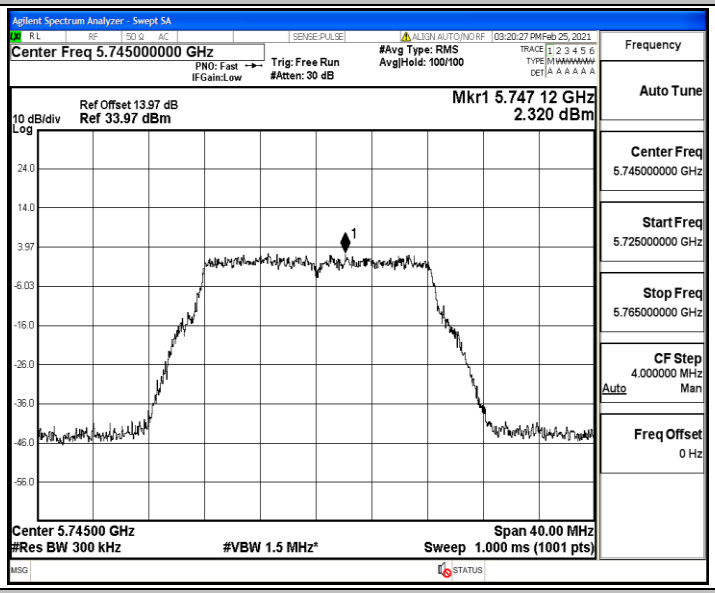
Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	2.32	<=30	PASS
	Ant2	5745	0.06	<=30	PASS
	Ant1	5785	1.86	<=30	PASS
	Ant2	5785	0.1	<=30	PASS
	Ant1	5825	2.06	<=30	PASS
	Ant2	5825	0.5	<=30	PASS
11N20MIMO	Ant1	5745	3.15	<=30	PASS
	Ant2	5745	1.22	<=30	PASS
	total	5745	5.30	<=29.68	PASS
	Ant1	5785	2.94	<=30	PASS
	Ant2	5785	1.34	<=30	PASS
	total	5785	5.22	<=29.68	PASS
	Ant1	5825	2.78	<=30	PASS
	Ant2	5825	1.79	<=30	PASS
	total	5825	5.32	<=30	PASS
11N40MIMO	Ant1	5755	2.04	<=30	PASS
	Ant2	5755	2.11	<=30	PASS
	total	5755	2.17	<=29.68	PASS
	Ant1	5795	0.18	<=30	PASS
	Ant2	5795	-1.26	<=30	PASS
	total	5795	2.53	<=29.68	PASS
11AC20MIMO	Ant1	5745	2.88	<=30	PASS
	Ant2	5745	1.45	<=30	PASS
	total	5745	5.23	<=29.68	PASS
	Ant1	5785	2.31	<=30	PASS
	Ant2	5785	0.54	<=30	PASS
	total	5785	4.52	<=29.68	PASS
	Ant1	5825	1.94	<=30	PASS
	Ant2	5825	0.72	<=30	PASS
	total	5825	4.38	<=29.68	PASS
11AC40MIMO	Ant1	5755	1.22	<=30	PASS
	Ant2	5755	-0.38	<=30	PASS
	total	5755	3.50	<=29.68	PASS
	Ant1	5795	0.86	<=30	PASS
	Ant2	5795	-0.88	<=30	PASS
	total	5795	3.09	<=29.68	PASS
11AC80MIMO	Ant1	5775	-4.35	<=30	PASS
	Ant2	5775	-5.71	<=30	PASS
	total	5775	-1.97	<=29.68	PASS

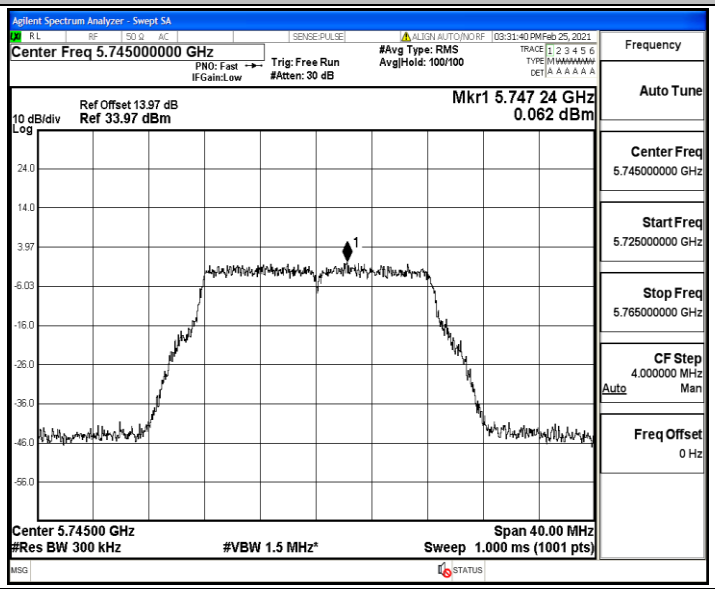
Note：1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

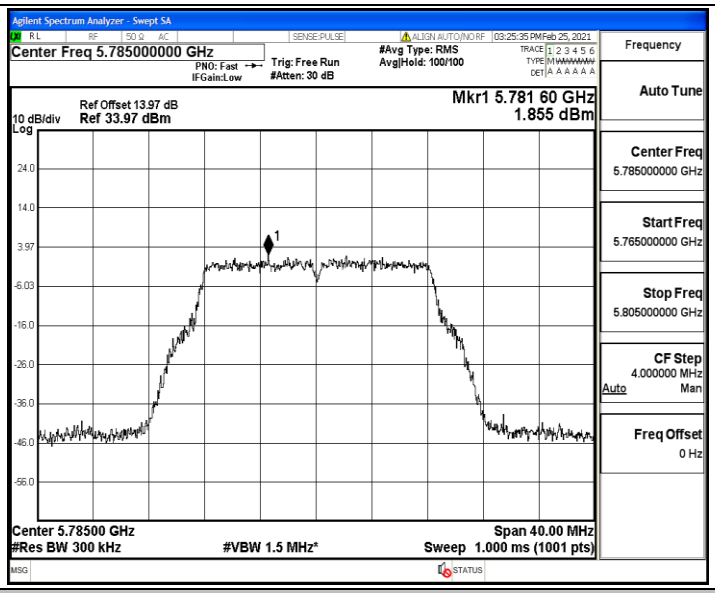
11A_Ant1_5745



11A_Ant2_5745



11A_Ant1_5785



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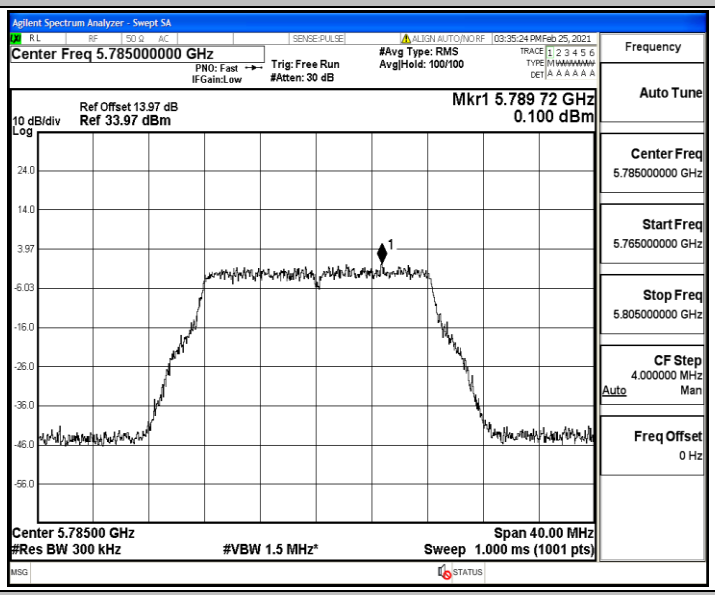

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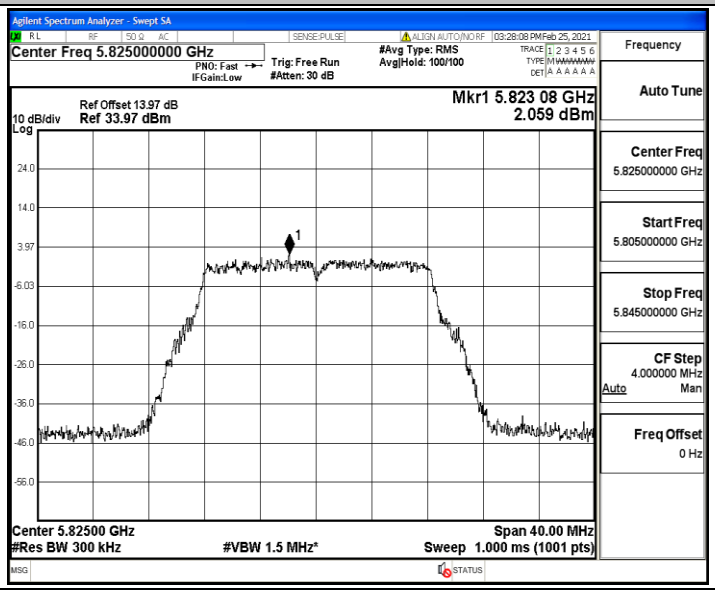

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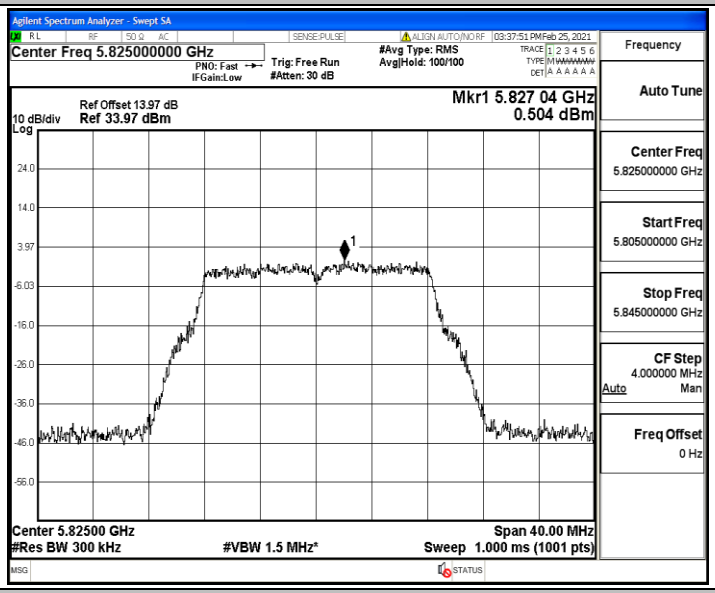

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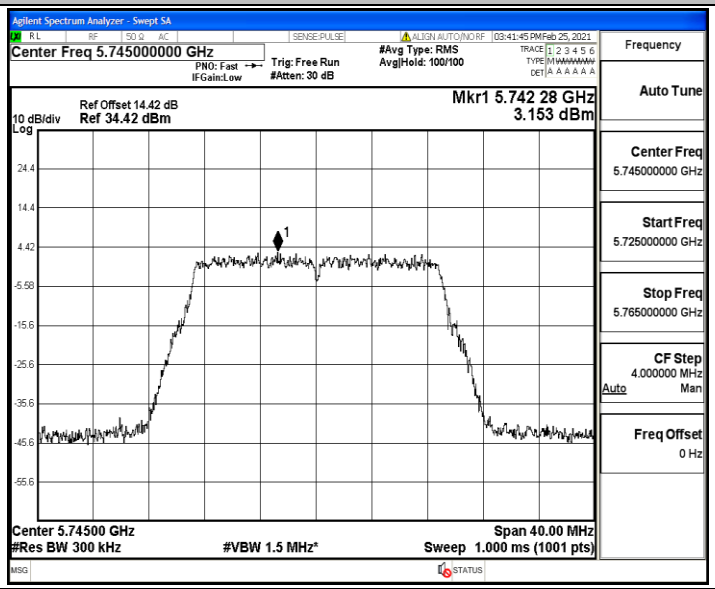
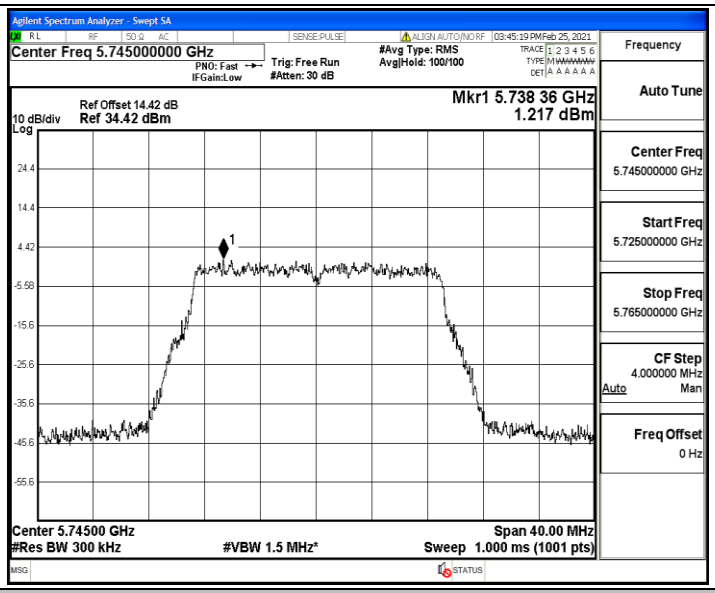
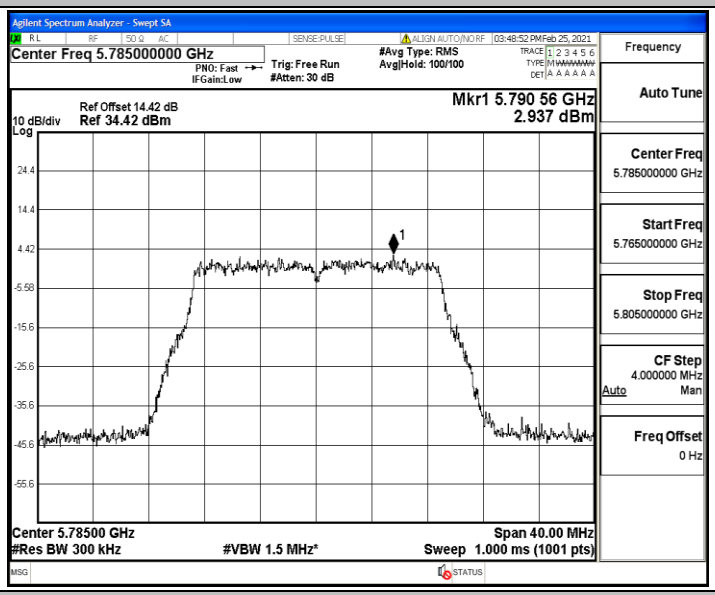


11N20MIMO_Ant2_5745



11N20MIMO_Ant1_5785



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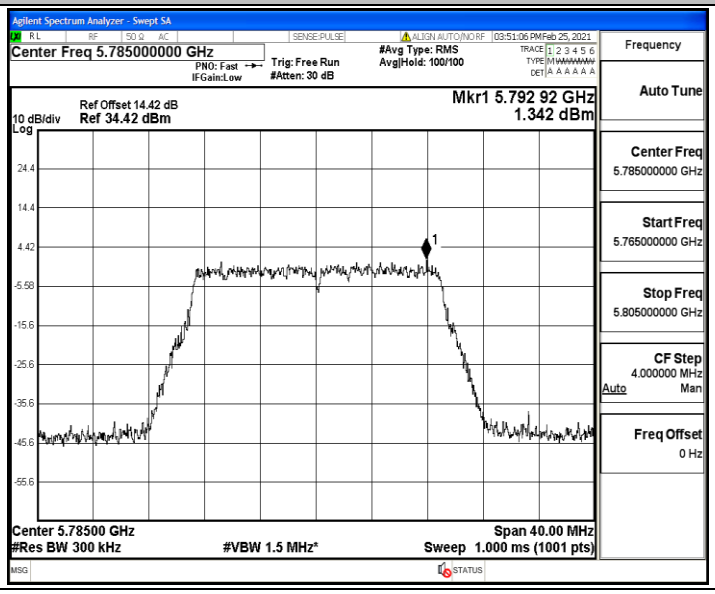

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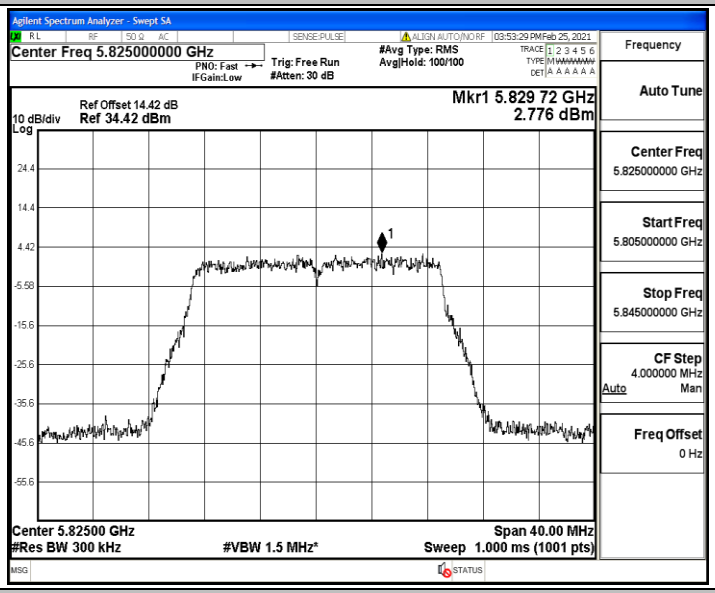

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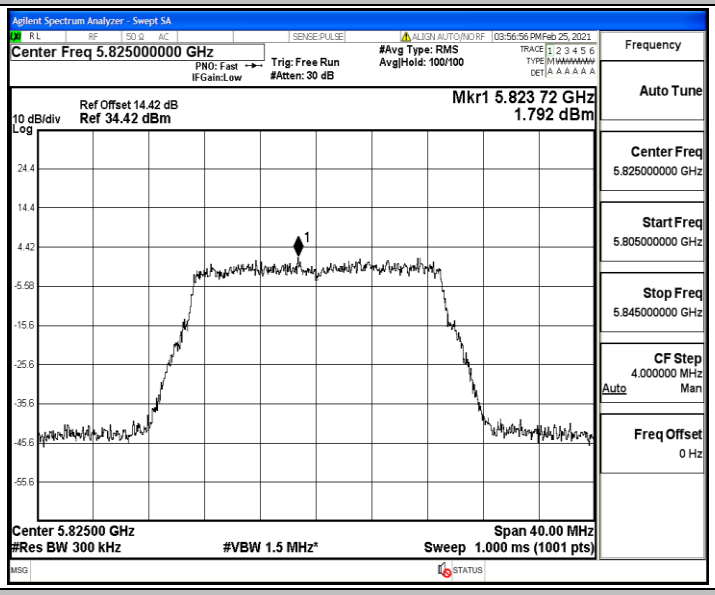

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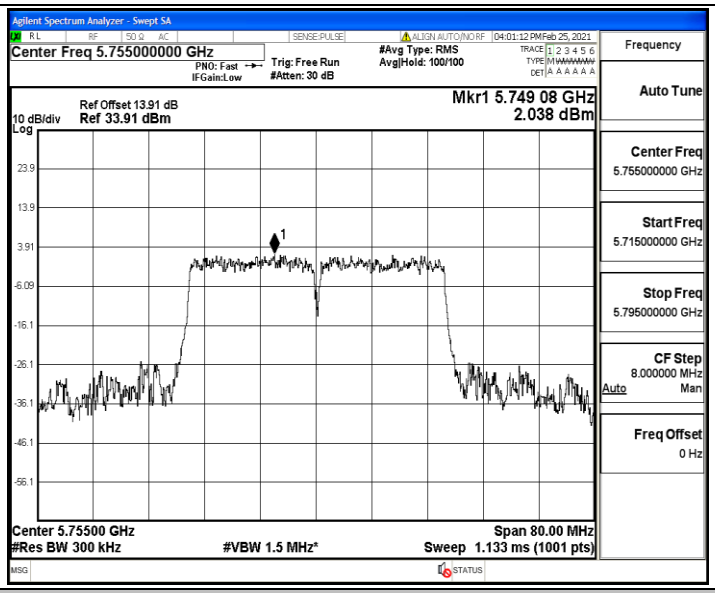

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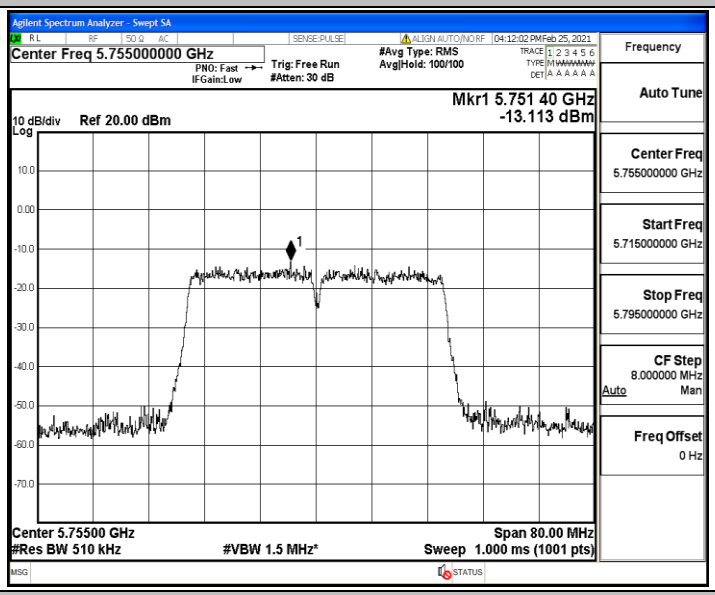

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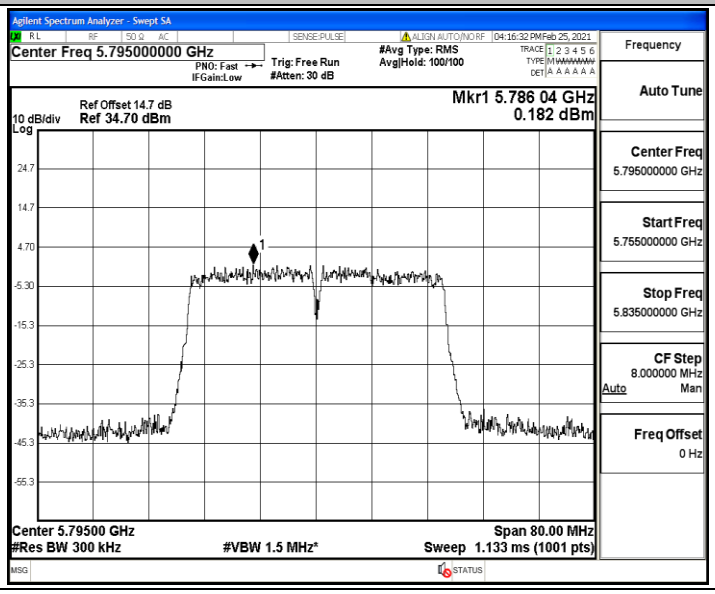

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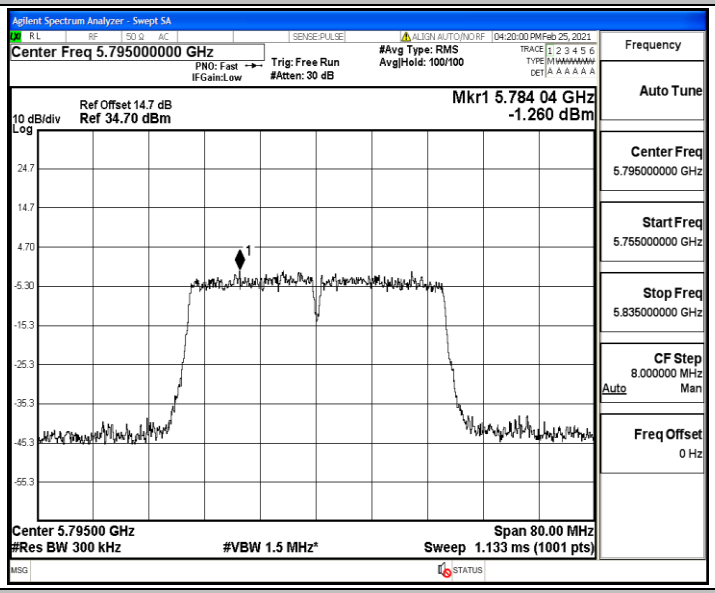

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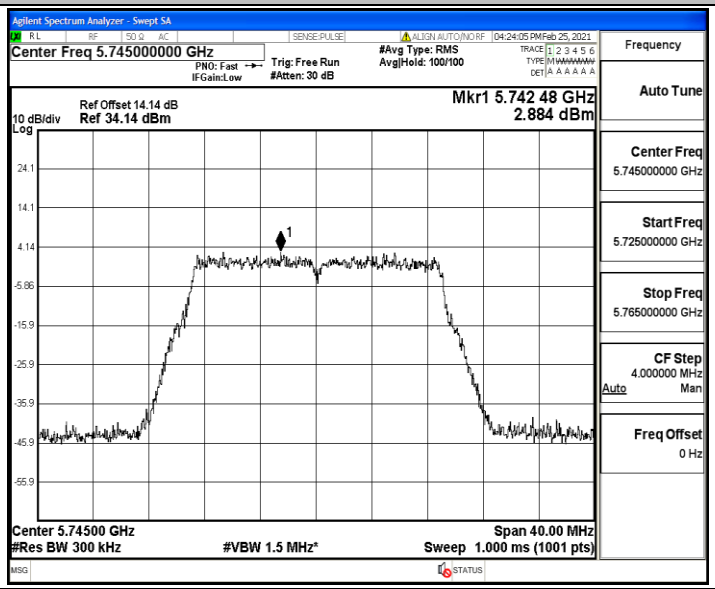

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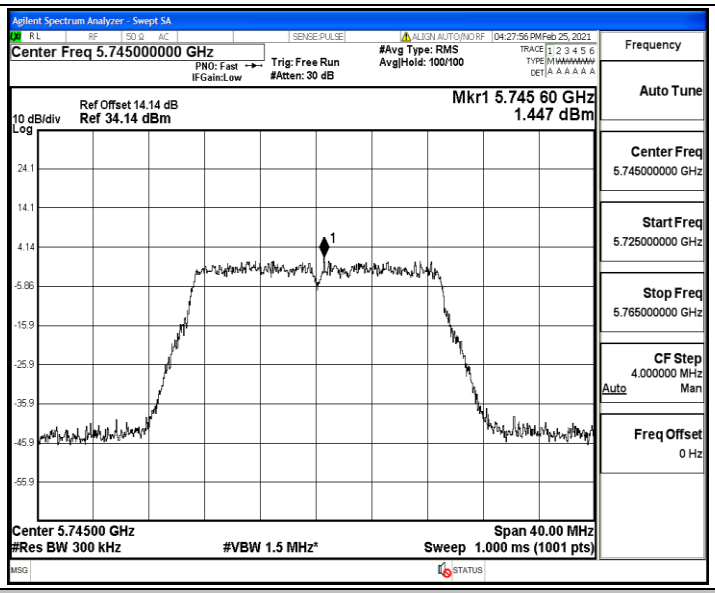

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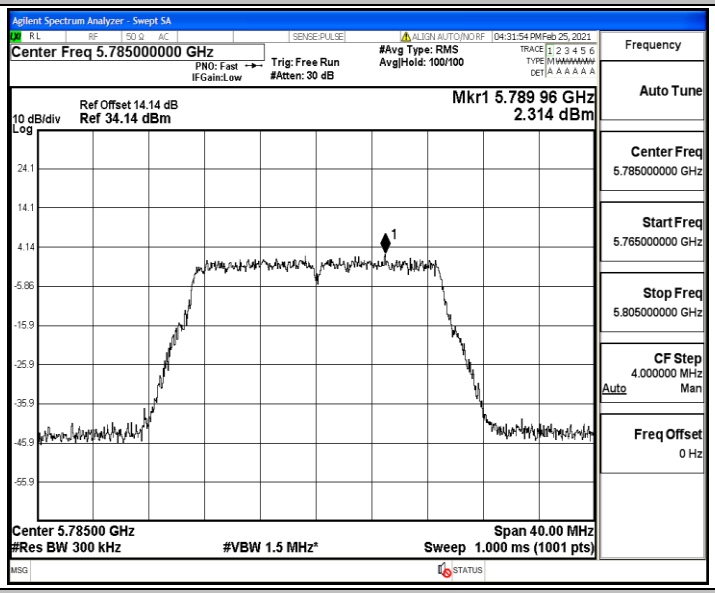

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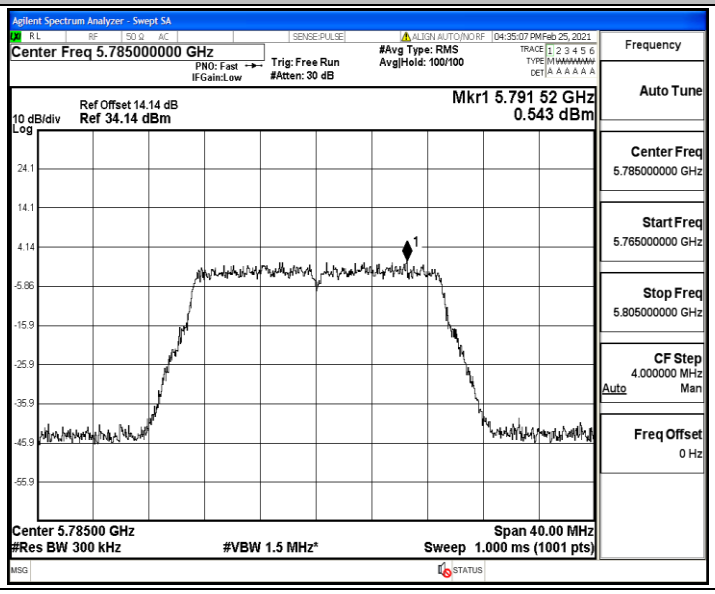

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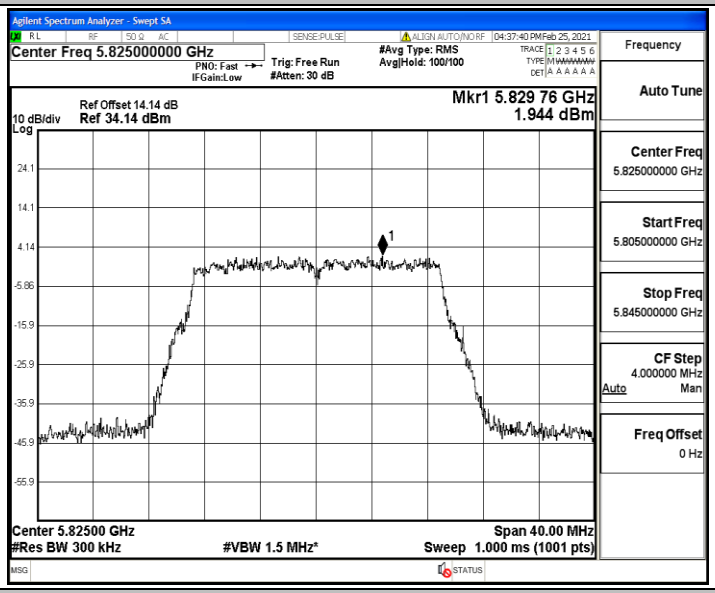

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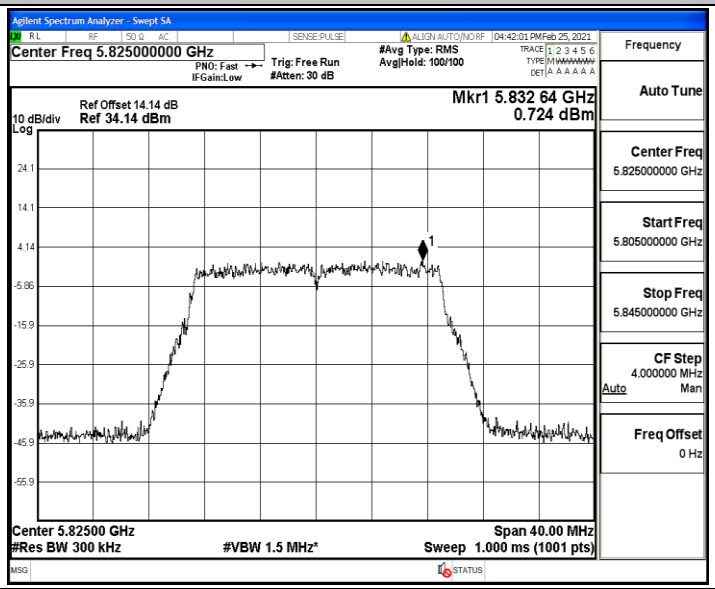

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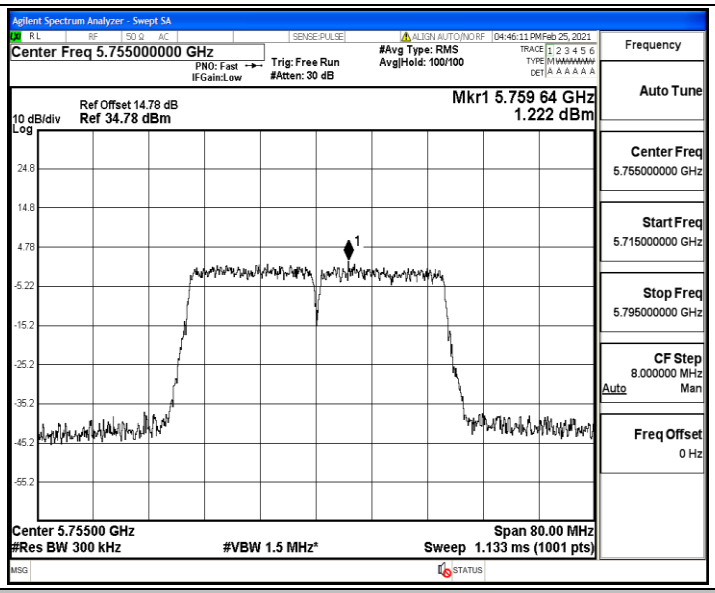

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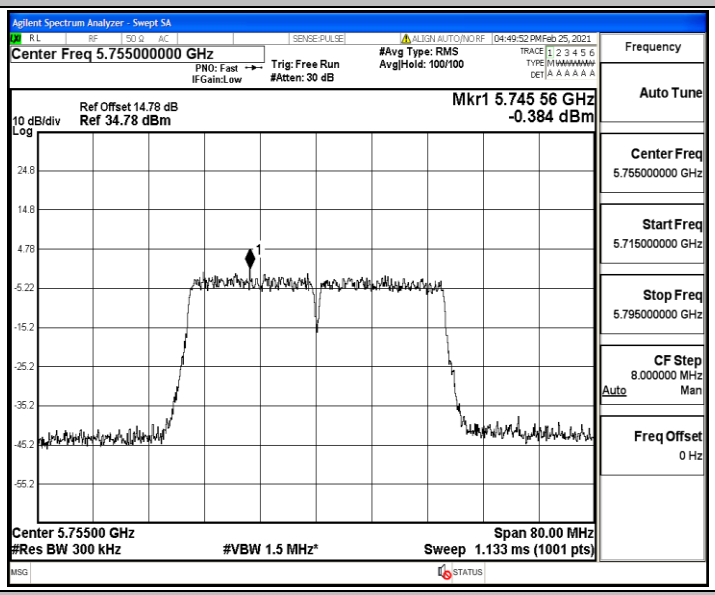

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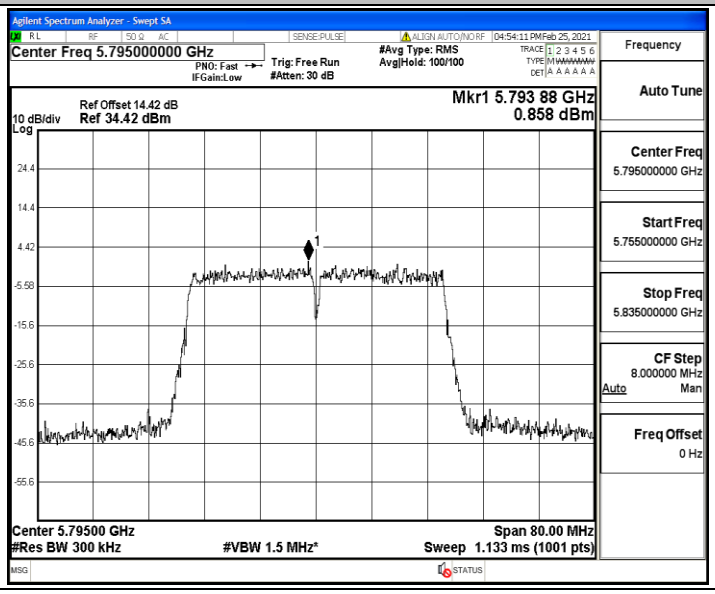

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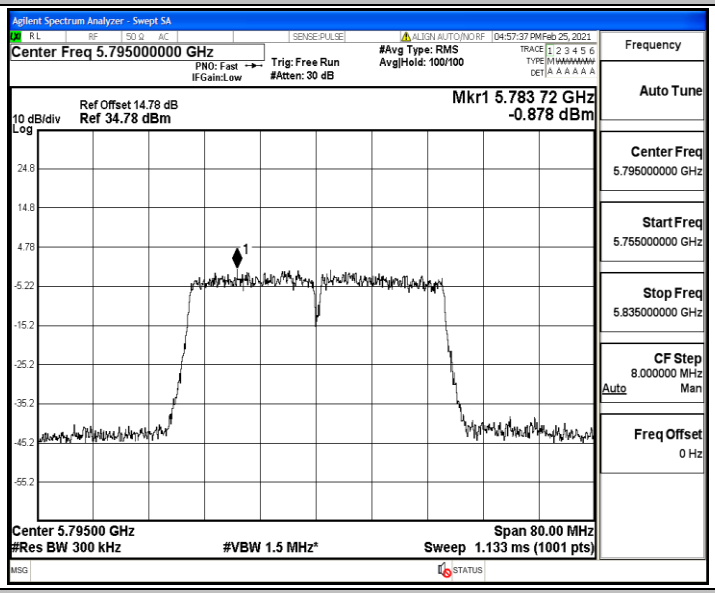
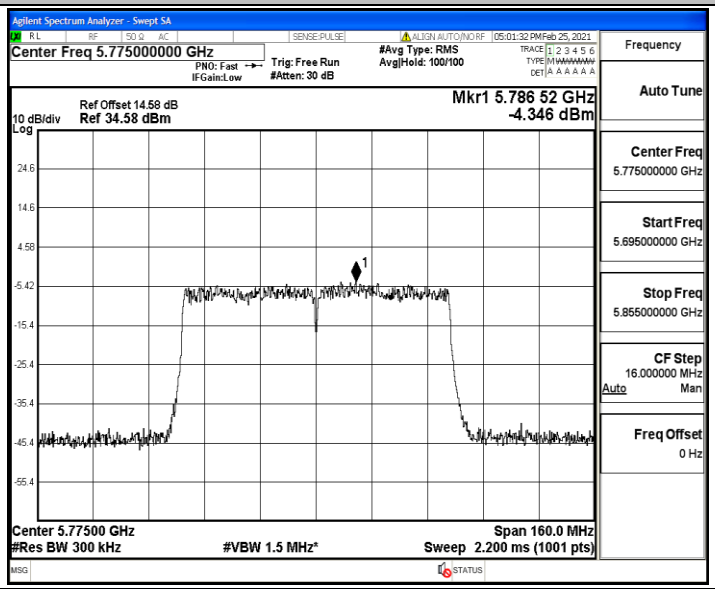


11AC80MIMO_Ant1_5775



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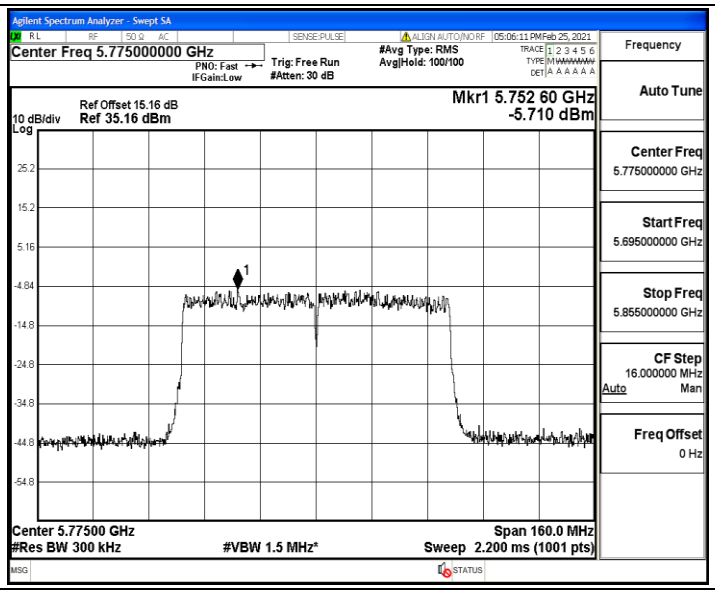

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.775000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
05:06:11 PM Feb 25, 2021
Frequency
Auto Tune
Ref Offset 15.16 dB
10 dB/div
Ref 35.16 dBm
Log
Mkr1 5.752 60 GHz
-5.710 dBm
Center Freq
5.775000000 GHz
Start Freq
5.695000000 GHz
Stop Freq
5.855000000 GHz
CF Step
16.000000 MHz
Auto
Man
Freq Offset
0 Hz
Center 5.77500 GHz
#Res BW 300 kHz
#VBW 1.5 MHz*
Span 160.0 MHz
Sweep 2.200 ms (1001 pts)

Appendix D: Band edge measurements

Test Result

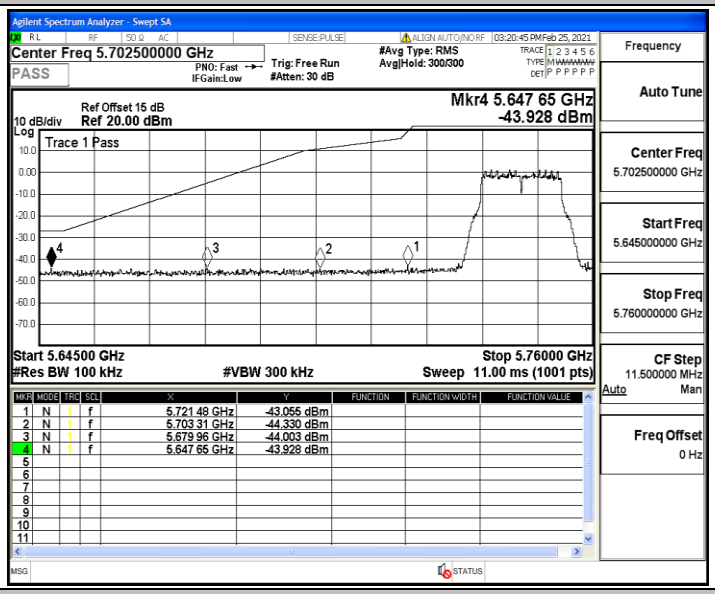
TestMode	Antenna	ChName	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-44	<=-4.83	PASS
				5700~5720	-44.33	<=10.93	PASS
				5720~5725	-43.06	<=18.96	PASS
				5760~5650	-43.93	<=-27	PASS
	Ant2	Low	5745	5650~5700	-43.91	<=9.64	PASS
				5700~5720	-43.07	<=13.79	PASS
				5720~5725	-44.7	<=25.78	PASS
				5760~5650	-45.09	<=-27	PASS
	Ant1	High	5825	5850~5855	-43.58	<=21.95	PASS
				5855~5875	-43.54	<=14.63	PASS
				5875~5925	-43.51	<=-0.08	PASS
				5925~5935	-43.41	<=-27	PASS
	Ant2	High	5825	5850~5855	-44	<=16.10	PASS
				5855~5875	-43.32	<=14.67	PASS
				5875~5925	-42.29	<=1.42	PASS
				5925~5935	-43.81	<=-27	PASS
11N20MIMO	Ant1	Low	5745	5650~5700	-44.11	<=3.43	PASS
				5700~5720	-43.84	<=13.57	PASS
				5720~5725	-43.93	<=24.47	PASS
				5760~5650	-45.28	<=-27	PASS
	Ant2	Low	5745	5650~5700	-43.55	<=6.91	PASS
				5700~5720	-43.23	<=14.98	PASS
				5720~5725	-43.69	<=20.01	PASS
				5760~5650	-44.23	<=-27	PASS
	Ant1	High	5825	5850~5855	-43.49	<=22.57	PASS
				5855~5875	-43.68	<=10.63	PASS
				5875~5925	-43.25	<=-12.77	PASS
				5925~5935	-43.1	<=-27	PASS
	Ant2	High	5825	5850~5855	-43.92	<=21.03	PASS
				5855~5875	-43.33	<=10.40	PASS
				5875~5925	-43.09	<=-3.08	PASS
				5925~5935	-42.93	<=-27	PASS
11N40MIMO	Ant1	Low	5755	5650~5700	-40.85	<=9.36	PASS
				5700~5720	-32.78	<=15.09	PASS
				5720~5725	-31.06	<=24.97	PASS
				5780~5650	-45.18	<=-27	PASS

TestMode	Antenna	ChName	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
	Ant2	Low	5755	5650~5700	-43.86	<=-5.63	PASS
				5700~5720	-42.85	<=15.28	PASS
				5720~5725	-43.99	<=26.82	PASS
				5780~5650	-44.65	<=-27	PASS
	Ant1	High	5795	5850~5855	-43.11	<=22.80	PASS
				5855~5875	-43.62	<=15.03	PASS
				5875~5925	-43.16	<=6.53	PASS
				5925~5935	-44.15	<=-27	PASS
	Ant2	High	5795	5850~5855	-43.61	<=18.67	PASS
				5855~5875	-43.55	<=15.58	PASS
				5875~5925	-43.37	<=-24.48	PASS
				5925~5935	-44.59	<=-27	PASS
11AC20MIMO	Ant1	Low	5745	5650~5700	-43.92	<=-24.83	PASS
				5700~5720	-43.64	<=15.21	PASS
				5720~5725	-43.46	<=20.01	PASS
				5760~5650	-45.23	<=-27	PASS
	Ant2	Low	5745	5650~5700	-43.35	<=-24.06	PASS
				5700~5720	-43.84	<=11.92	PASS
				5720~5725	-44.23	<=23.42	PASS
				5760~5650	-45.1	<=-27	PASS
	Ant1	High	5825	5850~5855	-44.27	<=25.03	PASS
				5855~5875	-43.01	<=11.57	PASS
				5875~5925	-43.09	<=-26.46	PASS
				5925~5935	-43.89	<=-27	PASS
	Ant2	High	5825	5850~5855	-44.27	<=20.41	PASS
				5855~5875	-43.07	<=14.10	PASS
				5875~5925	-43.05	<=0.72	PASS
				5925~5935	-43.65	<=-27	PASS
11AC40MIMO	Ant1	Low	5755	5650~5700	-43.19	<=3.57	PASS
				5700~5720	-43.28	<=14.07	PASS
				5720~5725	-41.01	<=26.51	PASS
				5780~5650	-44.6	<=-27	PASS
	Ant2	Low	5755	5650~5700	-42.93	<=-8.72	PASS
				5700~5720	-44.24	<=14.75	PASS
				5720~5725	-43.84	<=22.20	PASS
				5780~5650	-44.82	<=-27	PASS
	Ant1	High	5795	5850~5855	-43.9	<=18.67	PASS
				5855~5875	-43.26	<=11.33	PASS
				5875~5925	-43.49	<=-16.67	PASS
				5925~5935	-42.98	<=-27	PASS
	Ant2	High	5795	5850~5855	-42.69	<=18.67	PASS

TestMode	Antenna	ChName	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
				5855~5875	-43.04	<=11.52	PASS
				5875~5925	-42.72	<=2.87	PASS
				5925~5935	-43.58	<=-27	PASS
11AC80MIMO	Ant1	Low	5775	5650~5700	-42.83	<=-7.30	PASS
				5700~5720	-43.78	<=10.35	PASS
				5720~5725	-43.09	<=17.77	PASS
				5800~5650	-44.71	<=-27	PASS
		High	5775	5850~5855	-43.75	<=17.06	PASS
				5855~5875	-43.36	<=10.44	PASS
				5875~5925	-43.18	<=7.68	PASS
				5925~5935	-44.27	<=-27	PASS
	Ant2	Low	5775	5650~5700	-44.5	<=-23.70	PASS
				5700~5720	-43.98	<=14.17	PASS
				5720~5725	-44.15	<=17.41	PASS
				5800~5650	-45.19	<=-27	PASS
		High	5775	5850~5855	-43.57	<=19.59	PASS
				5855~5875	-43.42	<=10.49	PASS
				5875~5925	-43.7	<=5.90	PASS
				5925~5935	-43.43	<=-27	PASS

Test Graphs

11A_Ant1_Low_5745



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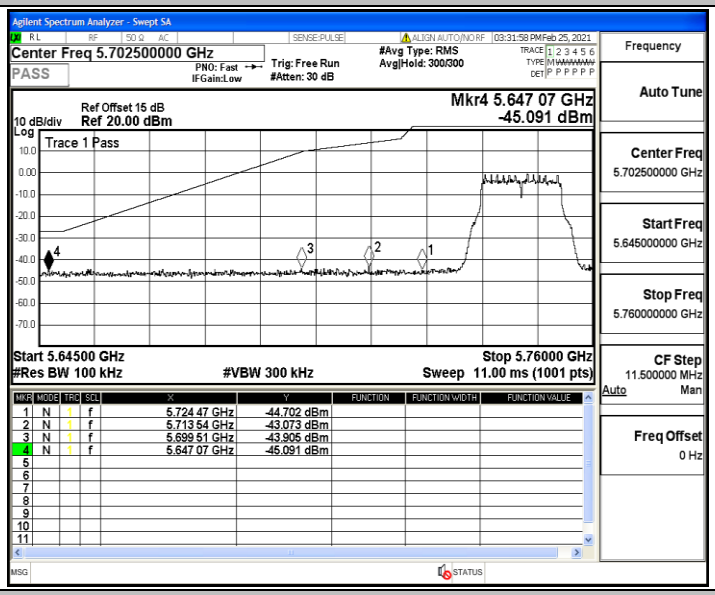

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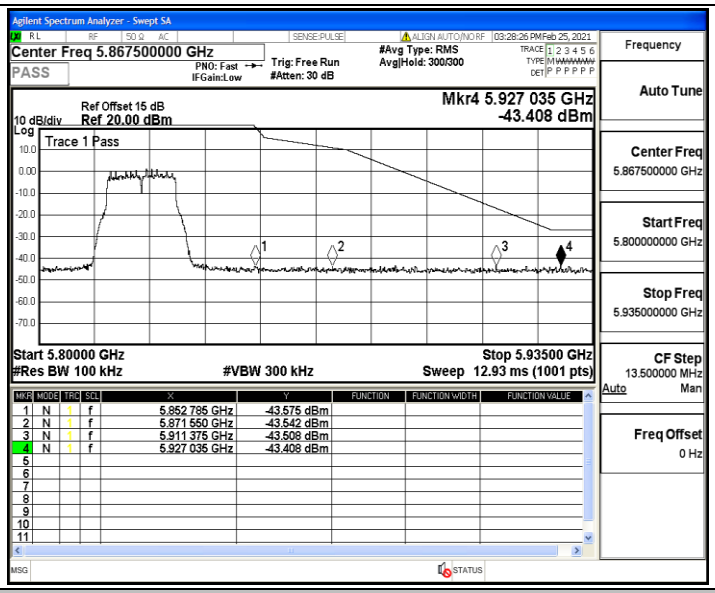

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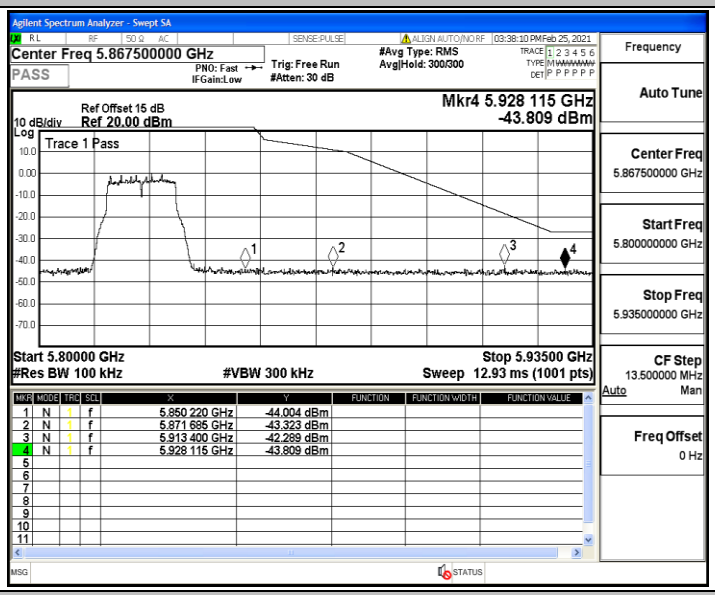

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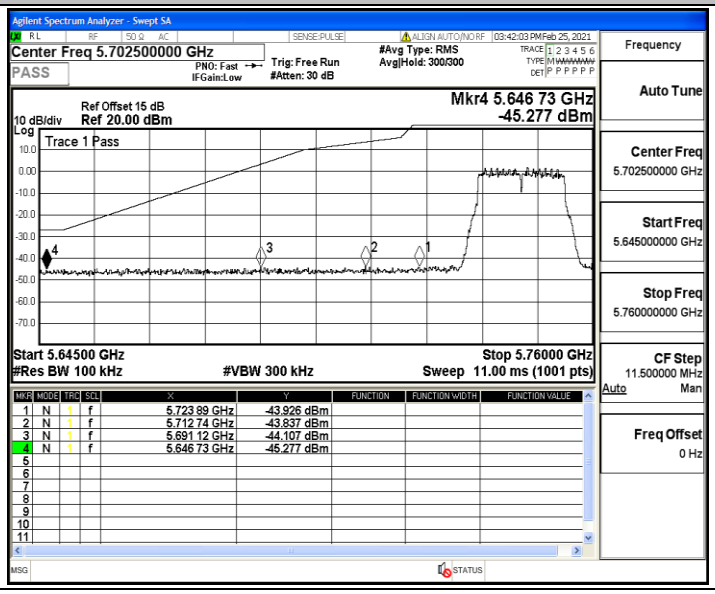

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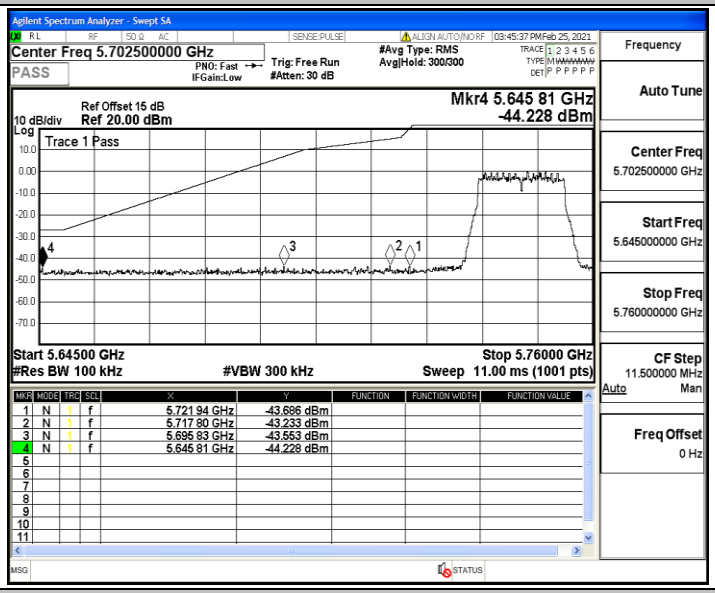

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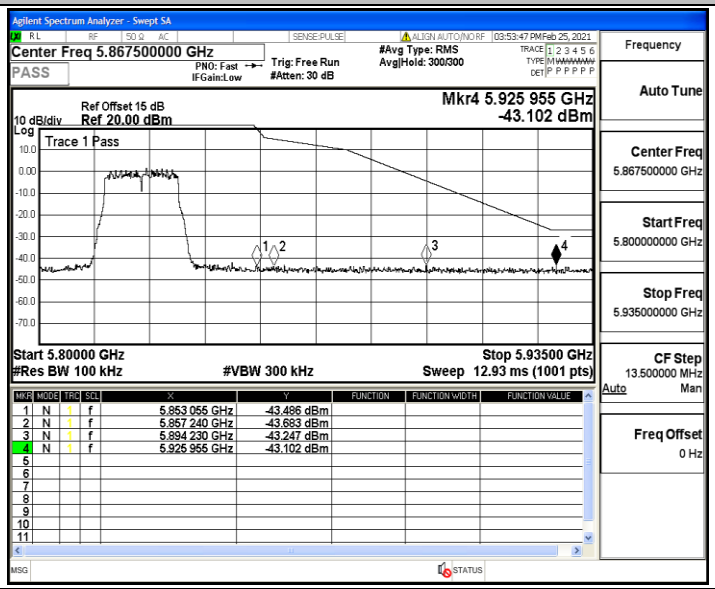

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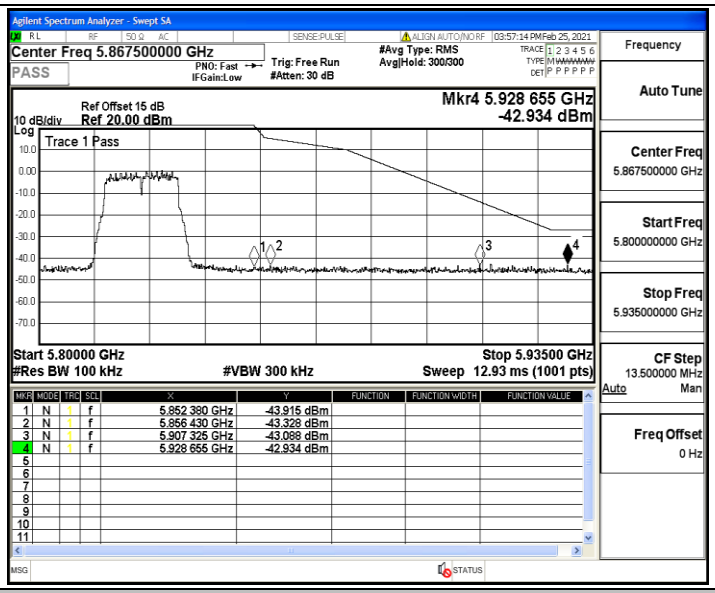

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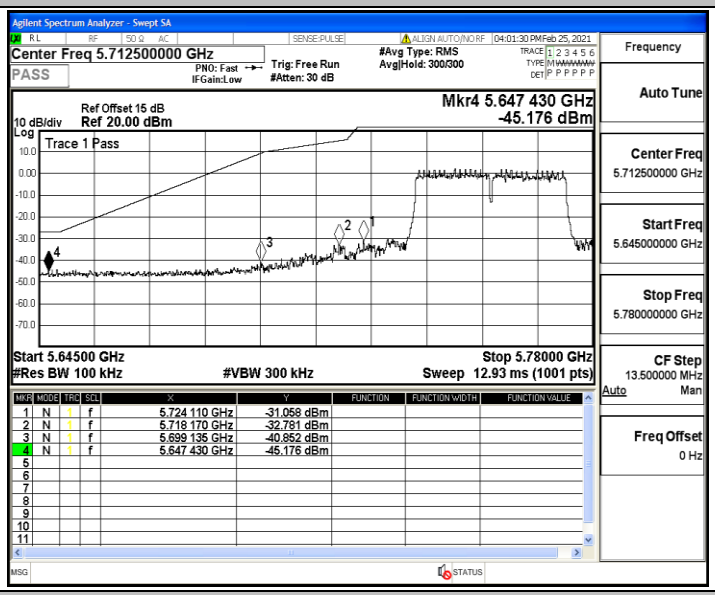

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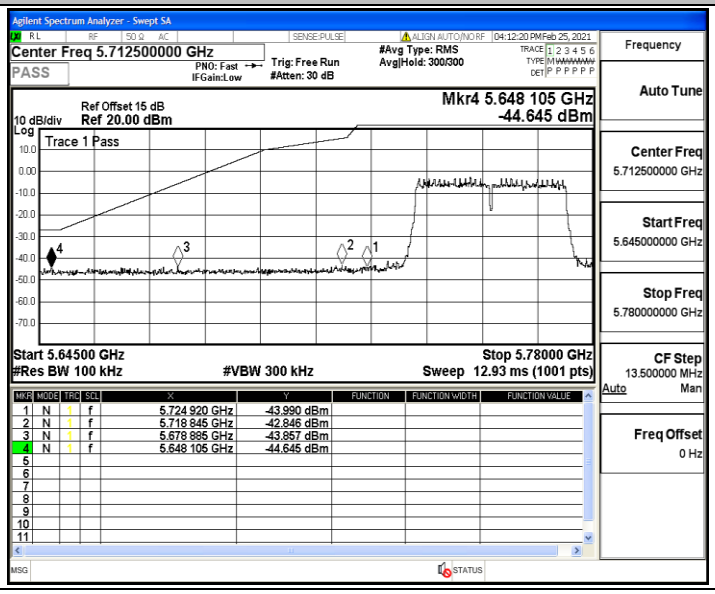

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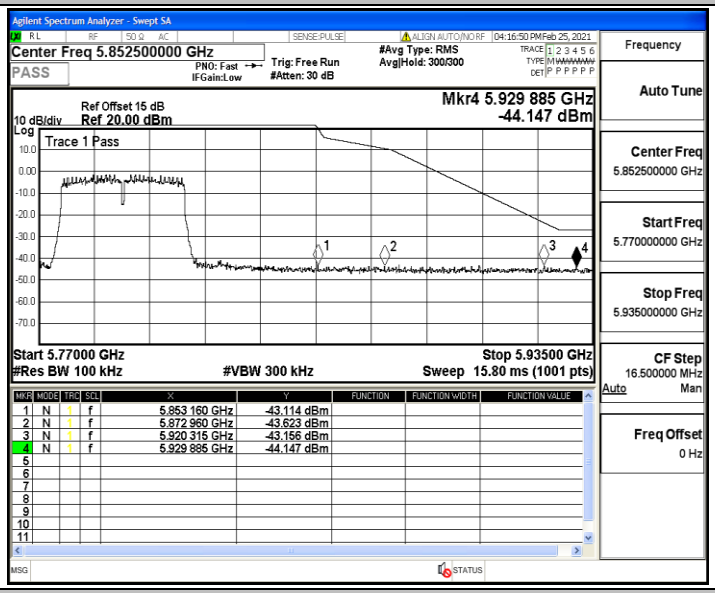

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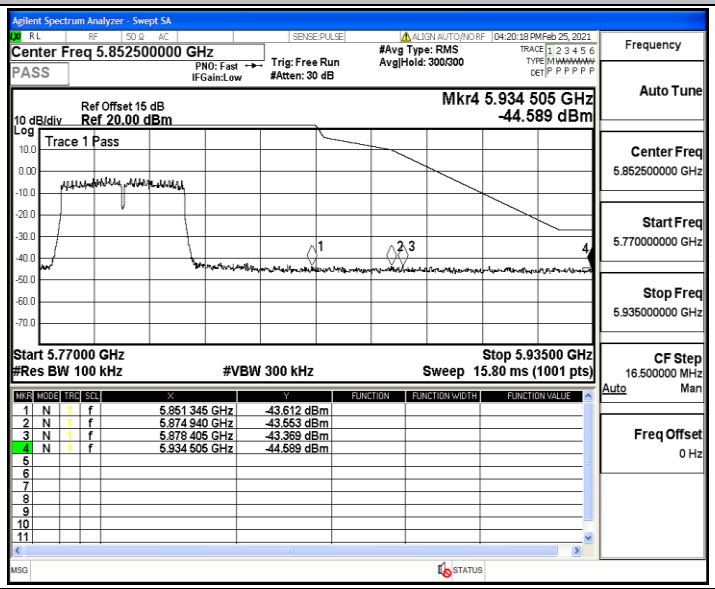

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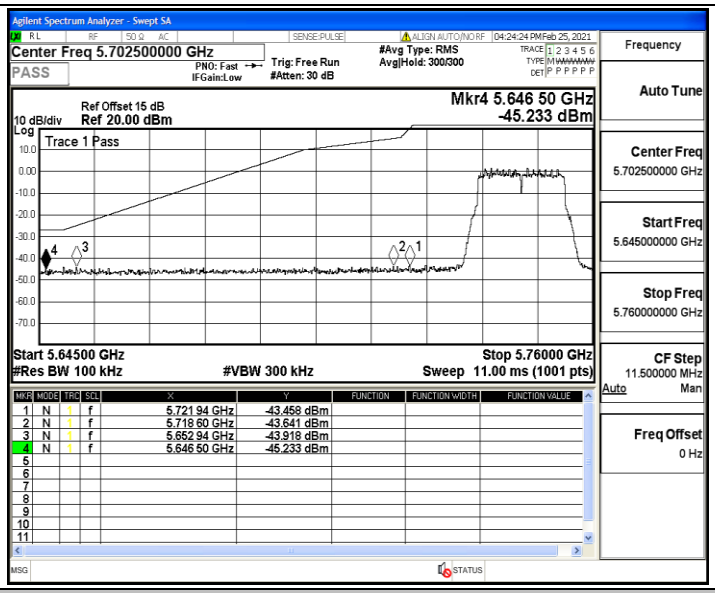

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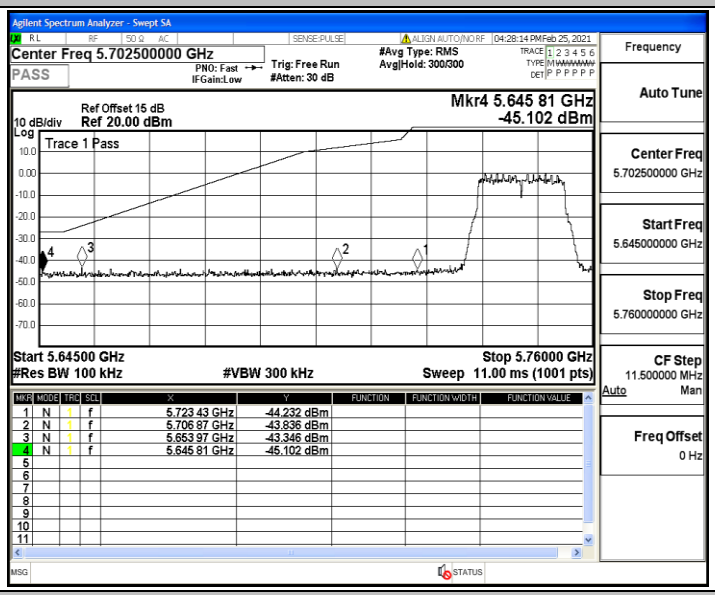
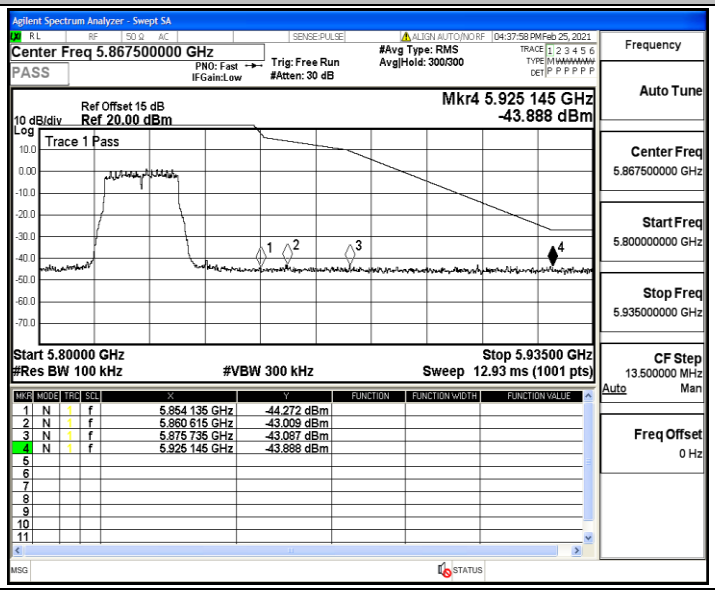
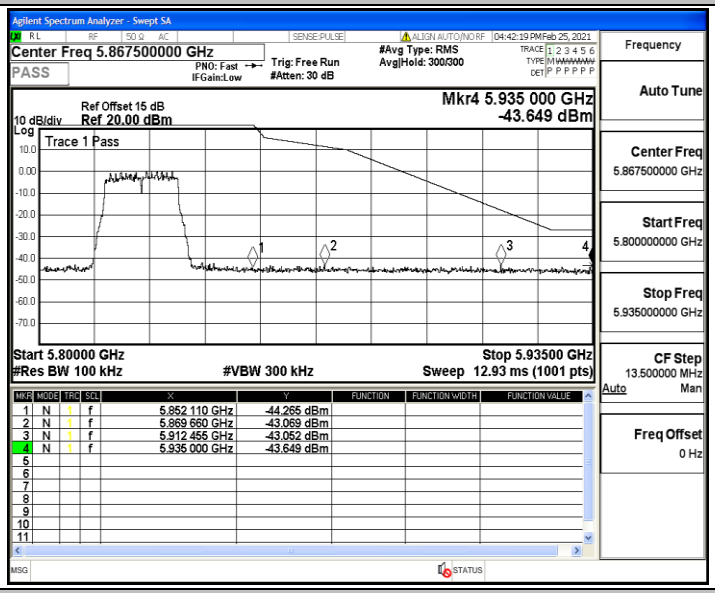


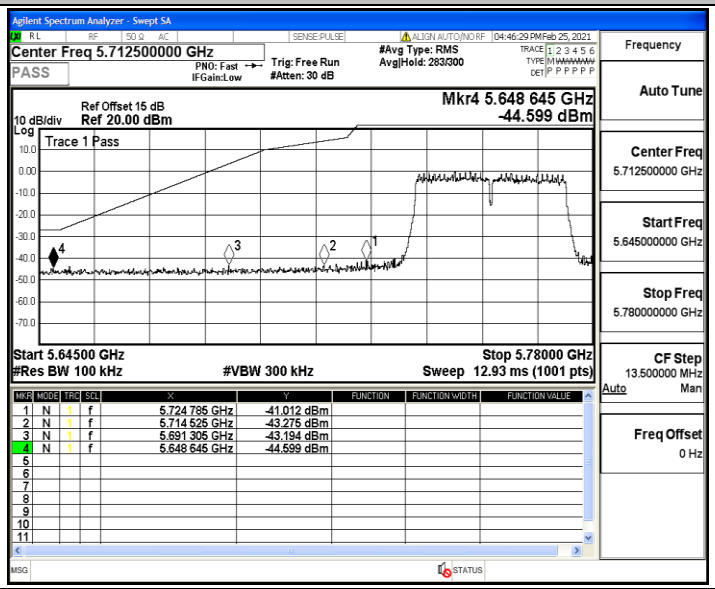
11AC20MIMO_Ant1_High_5825



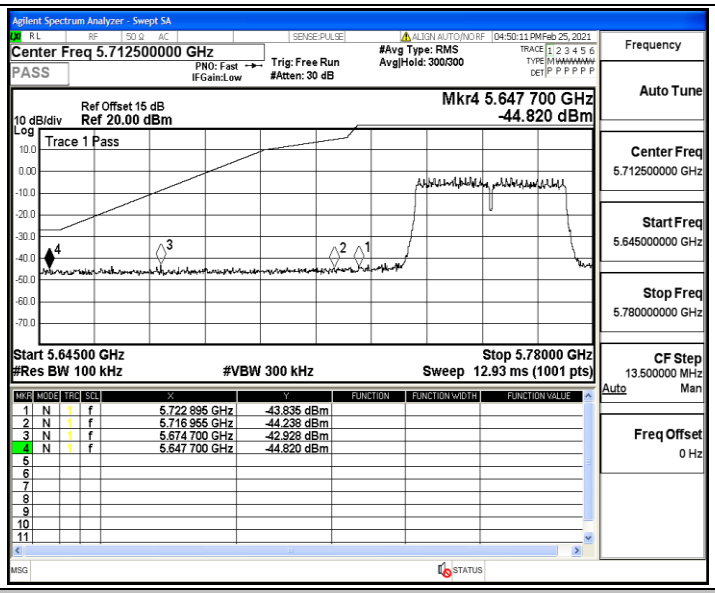
11AC20MIMO_Ant2_High_5825



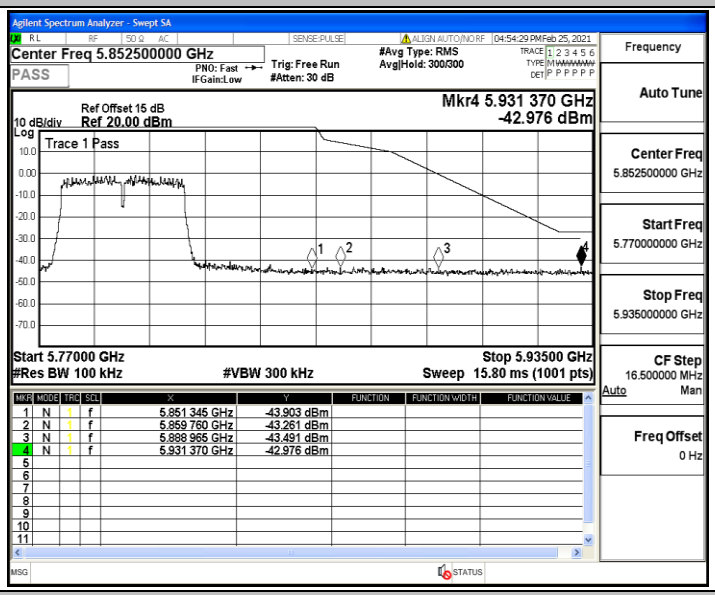
11AC40MIMO_Ant1_Low_5755



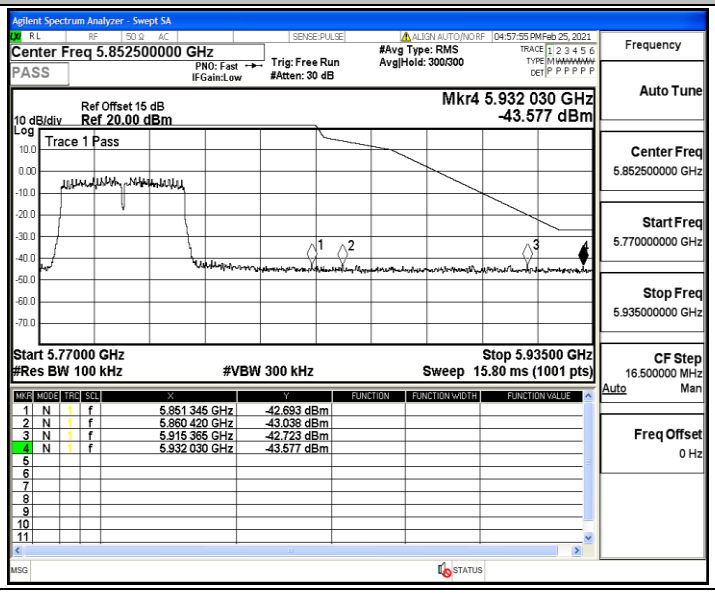
11AC40MIMO_Ant2_Low_5755



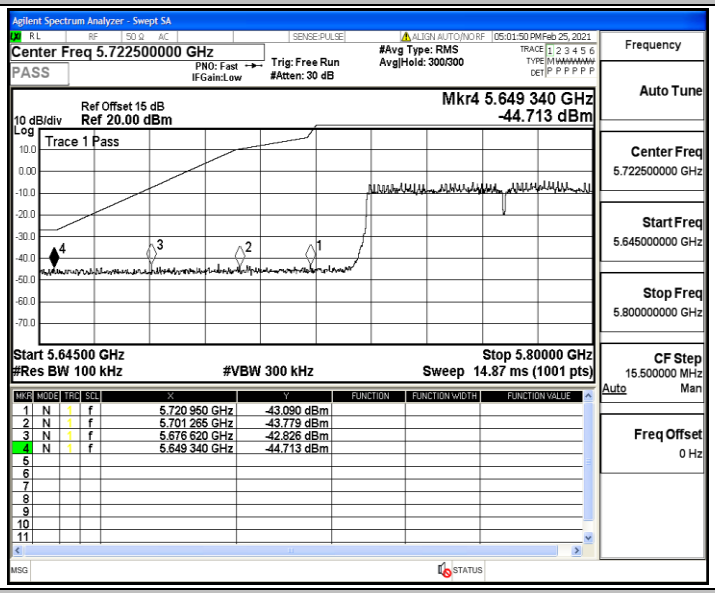
11AC40MIMO_Ant1_High_5795



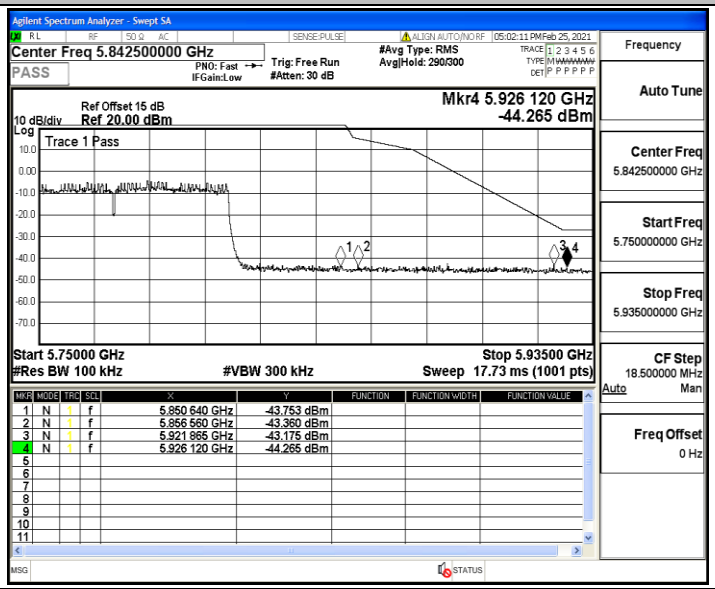
11AC40MIMO_Ant2_High_5795



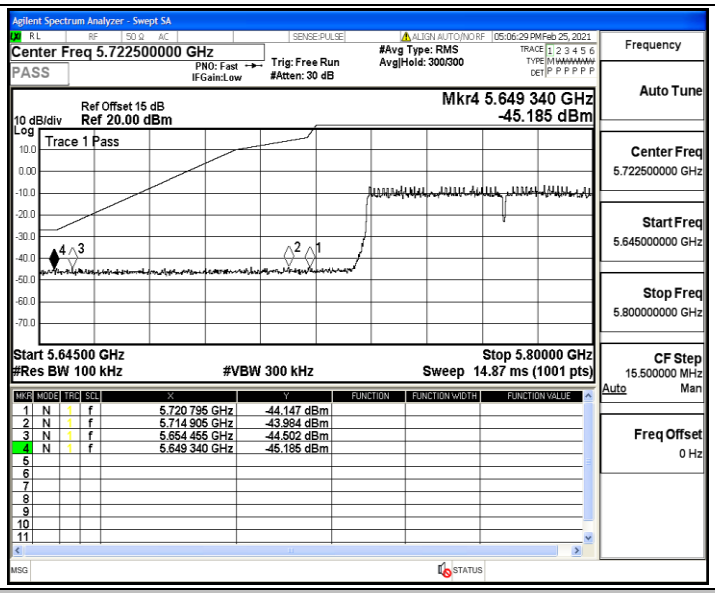
11AC80MIMO_Ant1_Low_5775



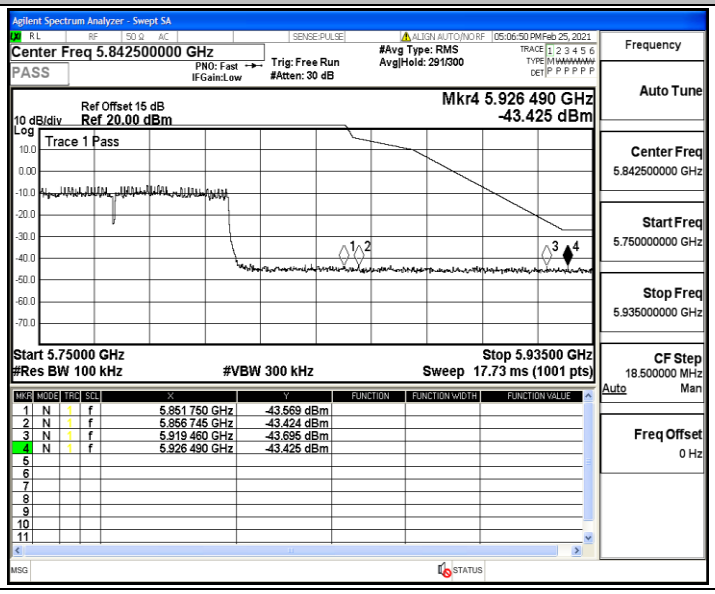
11AC80MIMO_Ant1_High_5775



11AC80MIMO_Ant2_Low_5775



11AC80MIMO_Ant2_High_5775



Appendix E: Frequency Stability

Test Result

Ant 1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5745	20	132	5745.069732	5745 – 5825	PASS
5745	20	108	5744.986067	5745 – 5825	PASS
5745	50	120	5744.936177	5745 – 5825	PASS
5745	40	120	5745.056644	5745 – 5825	PASS
5745	30	120	5744.921210	5745 – 5825	PASS
5745	20	120	5745.086212	5745 – 5825	PASS
5745	10	120	5744.920317	5745 – 5825	PASS
5745	0	120	5745.019178	5745 – 5825	PASS
5745	-10	120	5745.088400	5745 – 5825	PASS
5745	-20	120	5744.985230	5745 – 5825	PASS
5745	-30	120	5745.091354	5745 – 5825	PASS

Ant 2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5745	20	132	5745.032760	5745 – 5825	PASS
5745	20	108	5745.085756	5745 – 5825	PASS
5745	50	120	5744.937944	5745 – 5825	PASS
5745	40	120	5745.051503	5745 – 5825	PASS
5745	30	120	5744.900795	5745 – 5825	PASS
5745	20	120	5744.955859	5745 – 5825	PASS
5745	10	120	5744.900005	5745 – 5825	PASS
5745	0	120	5744.933234	5745 – 5825	PASS
5745	-10	120	5745.011870	5745 – 5825	PASS
5745	-20	120	5744.989800	5745 – 5825	PASS
5745	-30	120	5744.956599	5745 – 5825	PASS

Ant 1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	132	5784.998594	5745 – 5825	PASS
5785	20	108	5785.013722	5745 – 5825	PASS
5785	50	120	5784.955485	5745 – 5825	PASS
5785	40	120	5784.951208	5745 – 5825	PASS
5785	30	120	5784.984576	5745 – 5825	PASS
5785	20	120	5784.918814	5745 – 5825	PASS
5785	10	120	5785.027598	5745 – 5825	PASS
5785	0	120	5785.057217	5745 – 5825	PASS
5785	-10	120	5785.045989	5745 – 5825	PASS
5785	-20	120	5785.034278	5745 – 5825	PASS
5785	-30	120	5785.056717	5745 – 5825	PASS

Ant 2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	132	5784.940450	5745 – 5825	PASS
5785	20	108	5784.928978	5745 – 5825	PASS
5785	50	120	5785.077970	5745 – 5825	PASS
5785	40	120	5785.083193	5745 – 5825	PASS
5785	30	120	5785.071865	5745 – 5825	PASS
5785	20	120	5784.992897	5745 – 5825	PASS
5785	10	120	5785.096528	5745 – 5825	PASS
5785	0	120	5784.924862	5745 – 5825	PASS
5785	-10	120	5785.045278	5745 – 5825	PASS
5785	-20	120	5784.968837	5745 – 5825	PASS
5785	-30	120	5784.960502	5745 – 5825	PASS

Ant 1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	132	5824.900997	5745 – 5825	PASS
5825	20	108	5825.079086	5745 – 5825	PASS
5825	50	120	5824.972026	5745 – 5825	PASS
5825	40	120	5825.037395	5745 – 5825	PASS
5825	30	120	5825.014062	5745 – 5825	PASS
5825	20	120	5824.928988	5745 – 5825	PASS
5825	10	120	5825.076866	5745 – 5825	PASS
5825	0	120	5825.038386	5745 – 5825	PASS
5825	-10	120	5825.037462	5745 – 5825	PASS
5825	-20	120	5825.088366	5745 – 5825	PASS
5825	-30	120	5824.984810	5745 – 5825	PASS

Ant 2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	132	5824.902832	5745 – 5825	PASS
5825	20	108	5825.008751	5745 – 5825	PASS
5825	50	120	5825.060803	5745 – 5825	PASS
5825	40	120	5825.075497	5745 – 5825	PASS
5825	30	120	5824.944859	5745 – 5825	PASS
5825	20	120	5825.057918	5745 – 5825	PASS
5825	10	120	5825.057585	5745 – 5825	PASS
5825	0	120	5824.973941	5745 – 5825	PASS
5825	-10	120	5824.997550	5745 – 5825	PASS
5825	-20	120	5824.981037	5745 – 5825	PASS
5825	-30	120	5825.012453	5745 – 5825	PASS

Ant 1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5755	20	132	5754.906601	5745 – 5825	PASS
5755	20	108	5755.080165	5745 – 5825	PASS
5755	50	120	5755.022104	5745 – 5825	PASS
5755	40	120	5754.947972	5745 – 5825	PASS
5755	30	120	5755.098932	5745 – 5825	PASS
5755	20	120	5754.938091	5745 – 5825	PASS
5755	10	120	5754.909188	5745 – 5825	PASS
5755	0	120	5754.923689	5745 – 5825	PASS
5755	-10	120	5755.028271	5745 – 5825	PASS
5755	-20	120	5754.943695	5745 – 5825	PASS
5755	-30	120	5754.967715	5745 – 5825	PASS

Ant 2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5755	20	132	5754.954239	5745 – 5825	PASS
5755	20	108	5754.998345	5745 – 5825	PASS
5755	50	120	5754.954818	5745 – 5825	PASS
5755	40	120	5755.061111	5745 – 5825	PASS
5755	30	120	5755.028846	5745 – 5825	PASS
5755	20	120	5754.996732	5745 – 5825	PASS
5755	10	120	5755.019976	5745 – 5825	PASS
5755	0	120	5754.949182	5745 – 5825	PASS
5755	-10	120	5754.941352	5745 – 5825	PASS
5755	-20	120	5754.978579	5745 – 5825	PASS
5755	-30	120	5755.089719	5745 – 5825	PASS

Ant 1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5795	20	132	5794.935047	5745 – 5825	PASS
5795	20	108	5795.099485	5745 – 5825	PASS
5795	50	120	5794.921248	5745 – 5825	PASS
5795	40	120	5795.015217	5745 – 5825	PASS
5795	30	120	5794.992944	5745 – 5825	PASS
5795	20	120	5795.047374	5745 – 5825	PASS
5795	10	120	5795.023560	5745 – 5825	PASS
5795	0	120	5795.017766	5745 – 5825	PASS
5795	-10	120	5794.998310	5745 – 5825	PASS
5795	-20	120	5794.916263	5745 – 5825	PASS
5795	-30	120	5795.017528	5745 – 5825	PASS

Ant 2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5795	20	132	5795.063120	5745 – 5825	PASS
5795	20	108	5795.080273	5745 – 5825	PASS
5795	50	120	5795.050233	5745 – 5825	PASS
5795	40	120	5795.090536	5745 – 5825	PASS
5795	30	120	5795.099642	5745 – 5825	PASS
5795	20	120	5795.038342	5745 – 5825	PASS
5795	10	120	5794.916349	5745 – 5825	PASS
5795	0	120	5795.022162	5745 – 5825	PASS
5795	-10	120	5794.974524	5745 – 5825	PASS
5795	-20	120	5794.990150	5745 – 5825	PASS
5795	-30	120	5795.095745	5745 – 5825	PASS

Ant 1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5775	20	132	5775.070041	5745 – 5825	PASS
5775	20	108	5775.089055	5745 – 5825	PASS
5775	50	120	5775.013712	5745 – 5825	PASS
5775	40	120	5775.057295	5745 – 5825	PASS
5775	30	120	5774.939443	5745 – 5825	PASS
5775	20	120	5774.913704	5745 – 5825	PASS
5775	10	120	5775.099993	5745 – 5825	PASS
5775	0	120	5774.972934	5745 – 5825	PASS
5775	-10	120	5775.002494	5745 – 5825	PASS
5775	-20	120	5774.949050	5745 – 5825	PASS
5775	-30	120	5774.964425	5745 – 5825	PASS

Ant 2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5775	20	132	5774.999957	5745 – 5825	PASS
5775	20	108	5775.027706	5745 – 5825	PASS
5775	50	120	5774.963510	5745 – 5825	PASS
5775	40	120	5774.974464	5745 – 5825	PASS
5775	30	120	5774.914807	5745 – 5825	PASS
5775	20	120	5775.079770	5745 – 5825	PASS
5775	10	120	5775.044883	5745 – 5825	PASS
5775	0	120	5775.046708	5745 – 5825	PASS
5775	-10	120	5775.011289	5745 – 5825	PASS
5775	-20	120	5774.958269	5745 – 5825	PASS
5775	-30	120	5774.974470	5745 – 5825	PASS

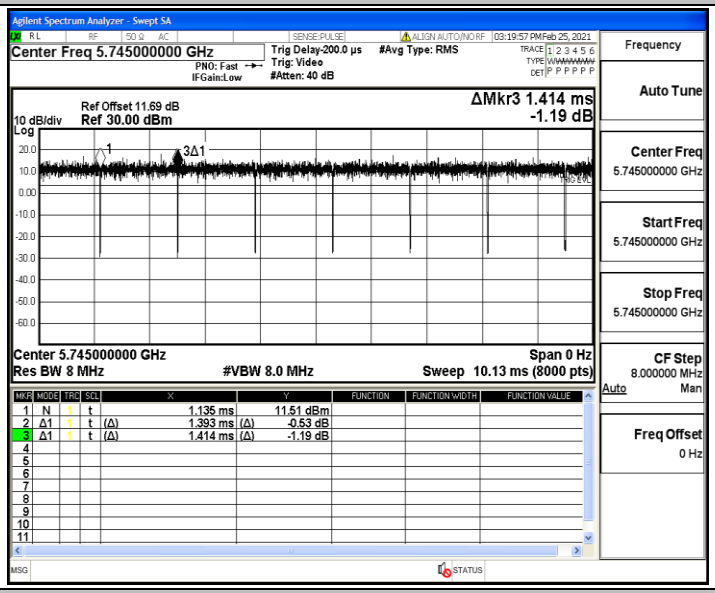
Appendix F: Duty Cycle

Test Result

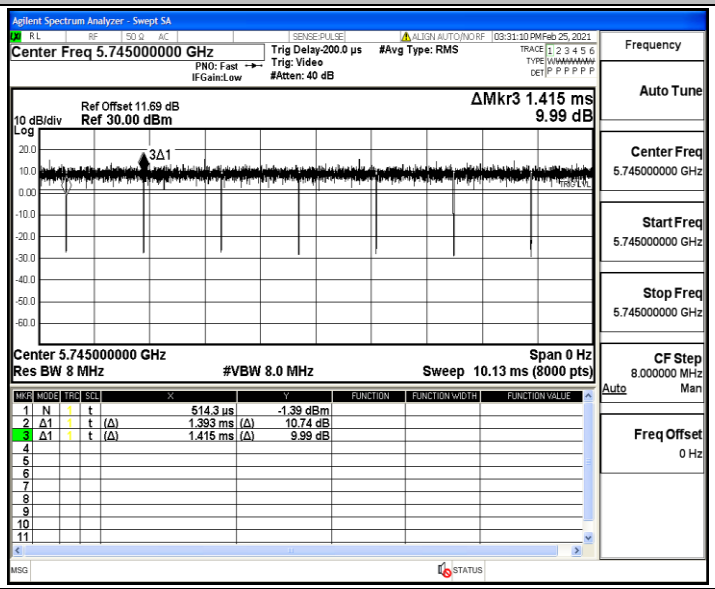
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	1.39	1.41	98.58
	Ant2	5745	1.39	1.41	98.58
	Ant1	5785	1.39	1.41	98.58
	Ant2	5785	1.39	1.41	98.58
	Ant1	5825	1.39	1.41	98.58
	Ant2	5825	1.39	1.41	98.58
11N20MIMO	Ant1	5745	0.16	0.18	88.89
	Ant2	5745	0.16	0.18	88.89
	Ant1	5785	0.16	0.18	88.89
	Ant2	5785	0.16	0.18	88.89
	Ant1	5825	0.16	0.18	88.89
	Ant2	5825	0.16	0.18	88.89
11N40MIMO	Ant1	5755	0.10	0.10	100.00
	Ant2	5755	0.00	0.02	0.00
	Ant1	5795	0.10	0.12	83.33
	Ant2	5795	0.10	0.12	83.33
11AC20MIMO	Ant1	5745	0.36	0.38	94.74
	Ant2	5745	0.36	0.38	94.74
	Ant1	5785	0.36	0.38	94.74
	Ant2	5785	0.36	0.38	94.74
	Ant1	5825	0.36	0.38	94.74
	Ant2	5825	0.36	0.38	94.74
11AC40MIMO	Ant1	5755	0.09	0.11	81.82
	Ant2	5755	0.09	0.11	81.82
	Ant1	5795	0.08	0.09	88.89
	Ant2	5795	0.09	0.11	81.82
11AC80MIMO	Ant1	5775	0.06	0.07	85.71
	Ant2	5775	0.06	0.08	75.00

Test Graph

11A_Ant1_5745



11A_Ant2_5745



11A_Ant1_5785