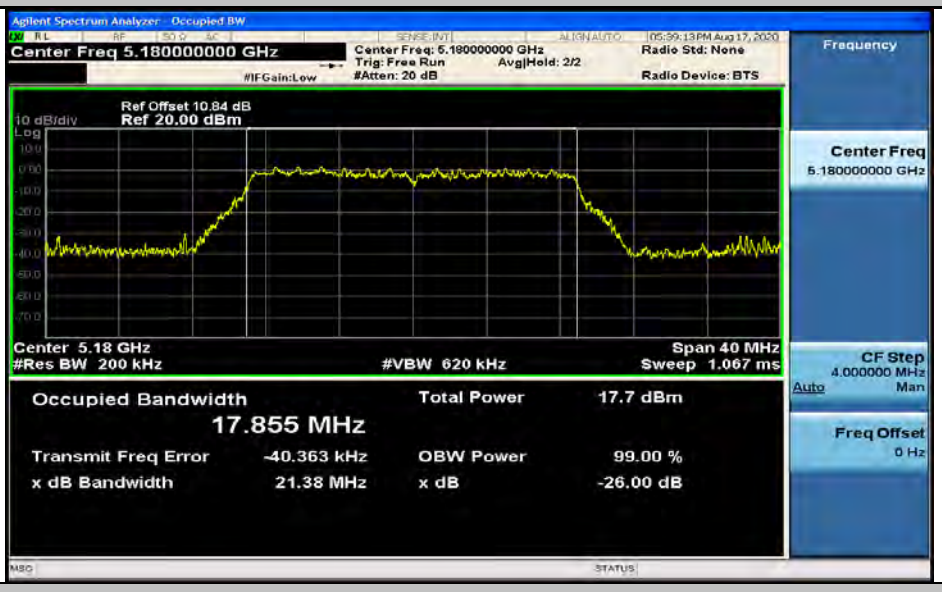
Appendix D for SHEM200700614004

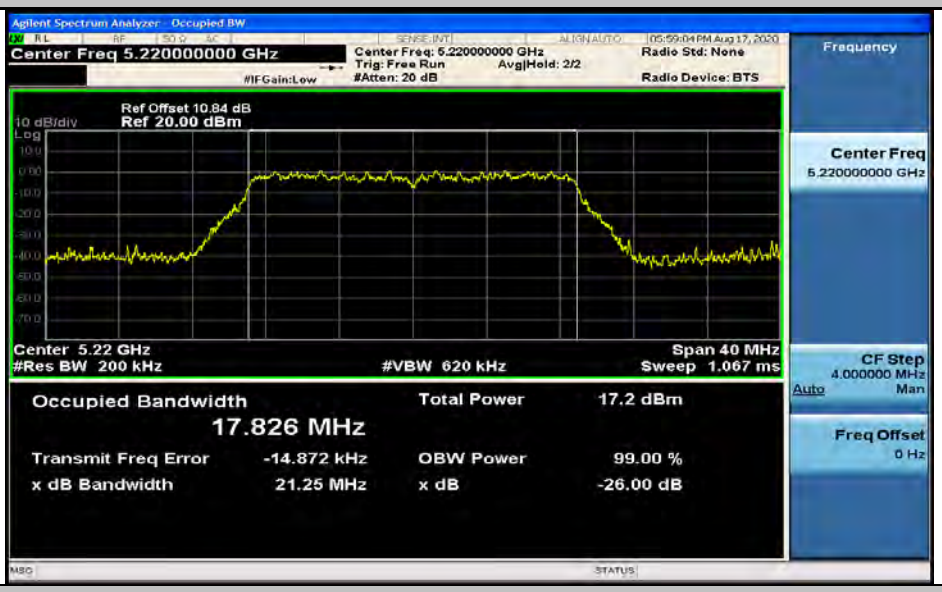
1.(26dB)Emission Bandwidth Measurement

Test Mode	Test Channel	Ant	(26dB)EBW[MHz]	Limit[MHz]	Verdict
11A	5180	Ant1	21.38	---	PASS
11A	5220	Ant1	21.25	---	PASS
11A	5240	Ant1	21.28	---	PASS
11A	5260	Ant1	21.43	---	PASS
11A	5280	Ant1	21.25	---	PASS
11A	5320	Ant1	21.28	---	PASS
11A	5500	Ant1	21.37	---	PASS
11A	5580	Ant1	21.36	---	PASS
11A	5700	Ant1	21.44	---	PASS
11A	5745	Ant1	21.57	---	PASS
11A	5785	Ant1	21.50	---	PASS
11A	5825	Ant1	21.34	---	PASS
11N20	5180	Ant1	21.22	---	PASS
11N20	5220	Ant1	21.29	---	PASS
11N20	5240	Ant1	21.08	---	PASS
11N20	5260	Ant1	21.34	---	PASS
11N20	5280	Ant1	21.42	---	PASS
11N20	5320	Ant1	21.46	---	PASS
11N20	5500	Ant1	21.30	---	PASS
11N20	5580	Ant1	21.25	---	PASS
11N20	5700	Ant1	21.41	---	PASS
11N20	5745	Ant1	21.29	---	PASS
11N20	5785	Ant1	21.32	---	PASS
11N20	5825	Ant1	21.45	---	PASS
11AC20	5180	Ant1	21.19	---	PASS
11AC20	5220	Ant1	21.54	---	PASS
11AC20	5240	Ant1	21.34	---	PASS
11AC20	5260	Ant1	21.18	---	PASS
11AC20	5280	Ant1	21.32	---	PASS
11AC20	5320	Ant1	21.43	---	PASS
11AC20	5500	Ant1	21.19	---	PASS
11AC20	5580	Ant1	21.38	---	PASS
11AC20	5700	Ant1	21.54	---	PASS
11AC20	5745	Ant1	21.27	---	PASS
11AC20	5785	Ant1	21.41	---	PASS
11AC20	5825	Ant1	21.50	---	PASS

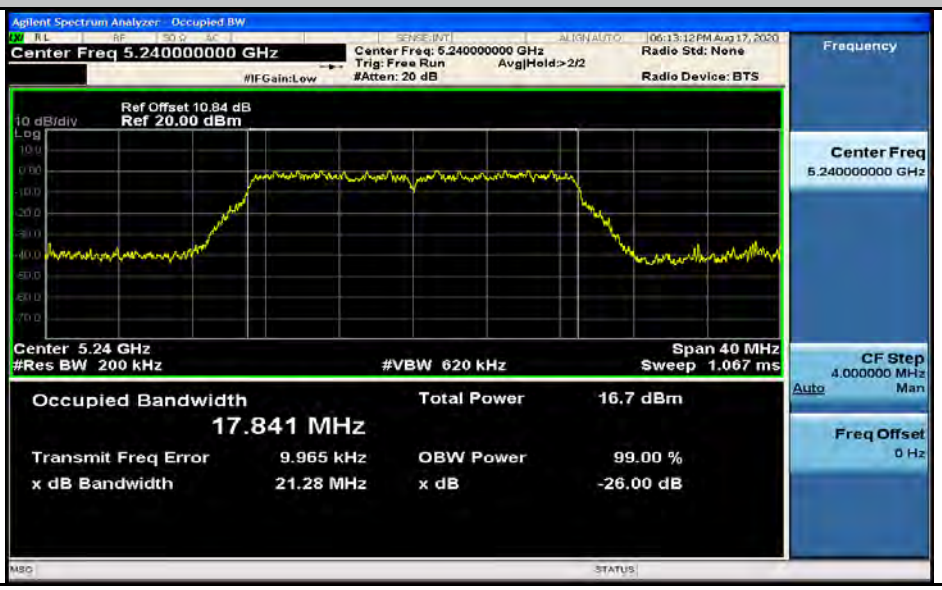
(26dB)Emission Bandwidth Measurement_11A_5180_Ant1



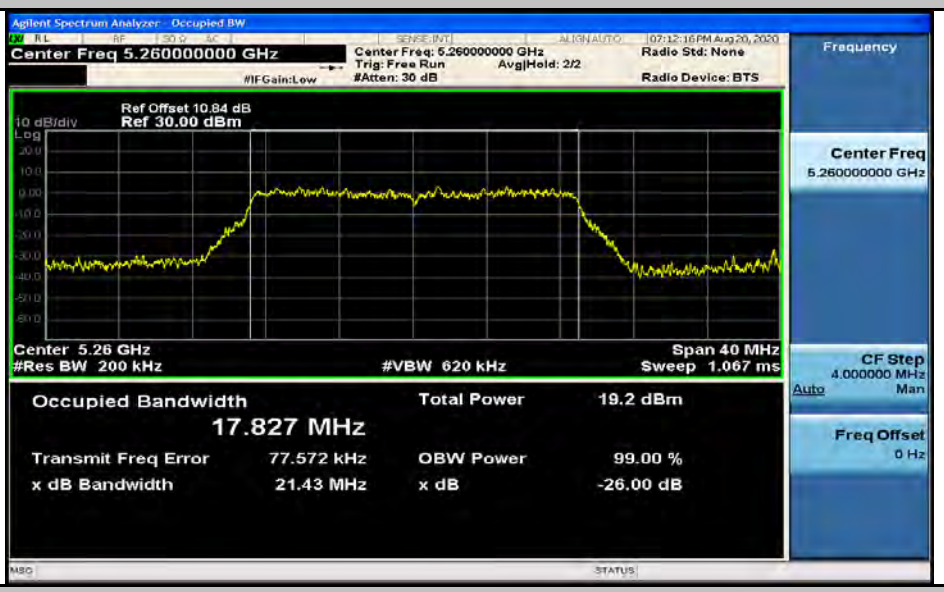
(26dB)Emission Bandwidth Measurement_11A_5220_Ant1



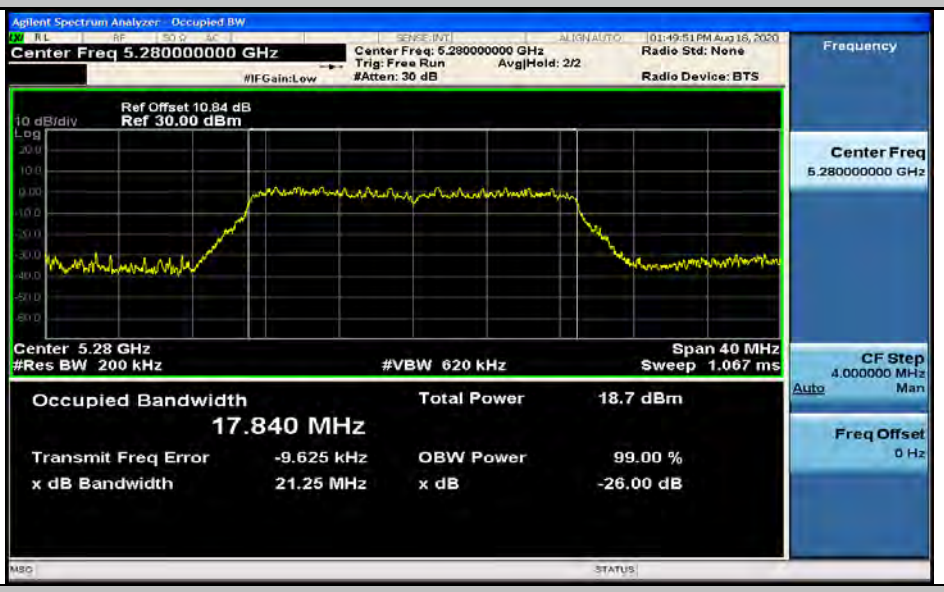
(26dB)Emission Bandwidth Measurement_11A_5240_Ant1



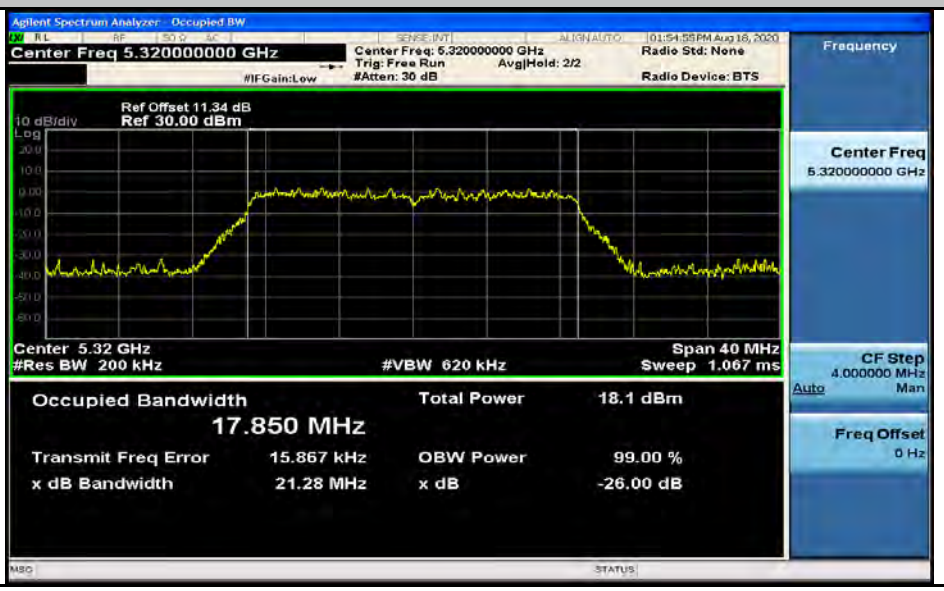
(26dB)Emission Bandwidth Measurement_11A_5260_Ant1



(26dB)Emission Bandwidth Measurement_11A_5280_Ant1

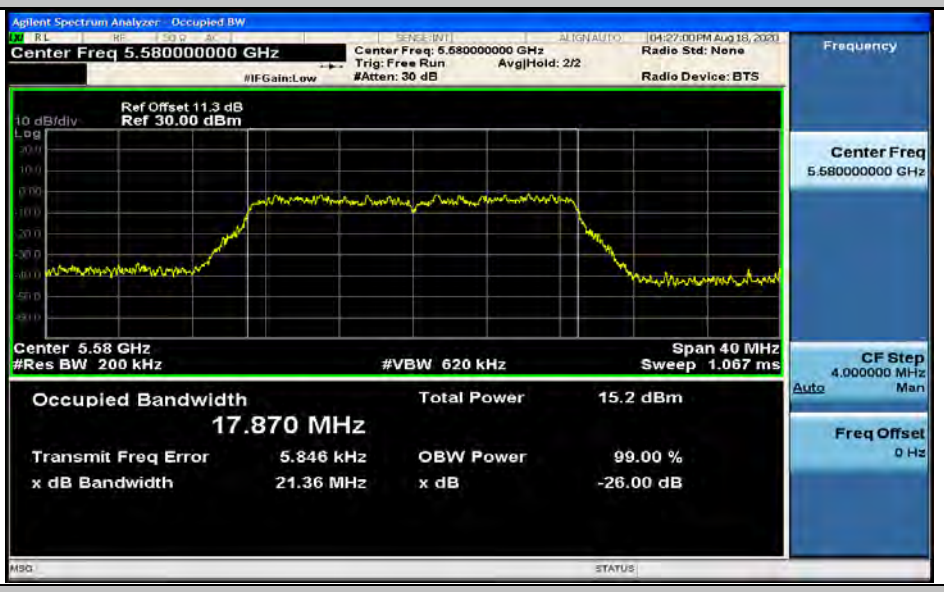


(26dB)Emission Bandwidth Measurement_11A_5320_Ant1

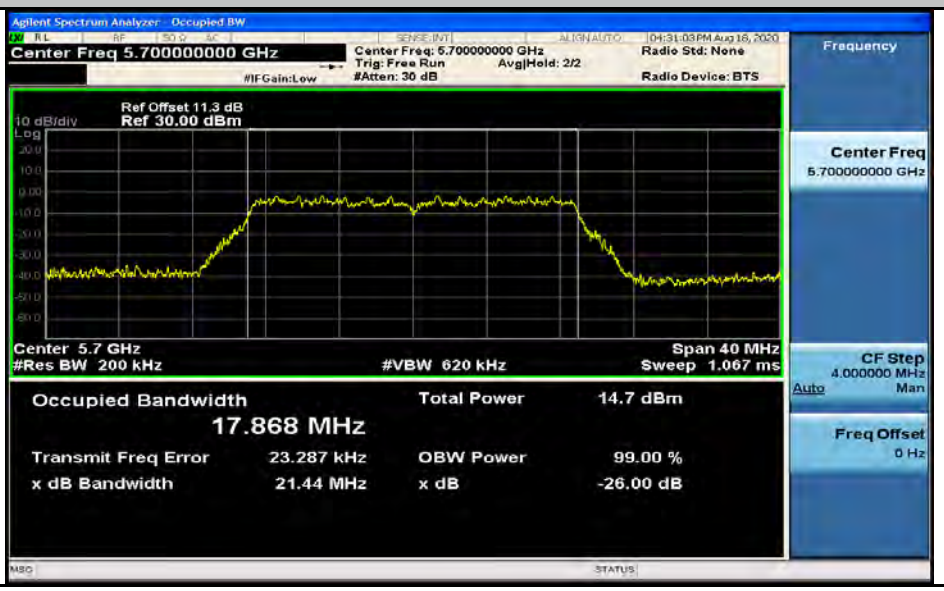


(26dB)Emission Bandwidth Measurement_11A_5500_Ant1

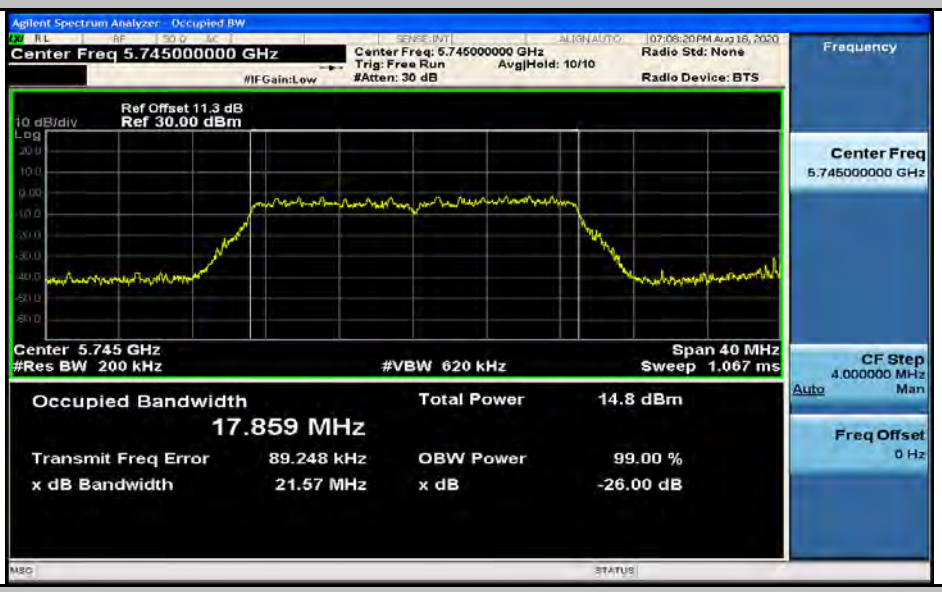
(26dB)Emission Bandwidth Measurement_11A_5580_Ant1



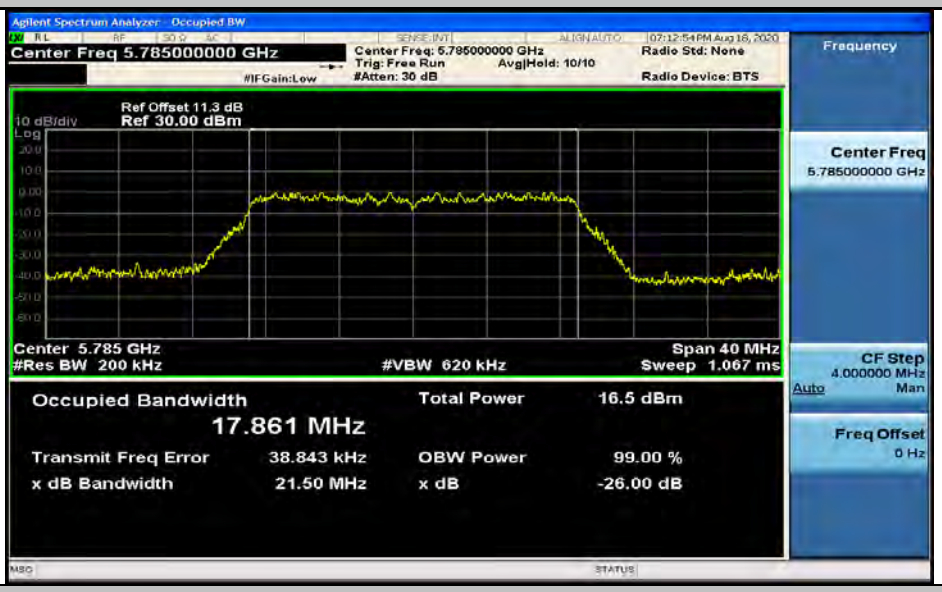
(26dB)Emission Bandwidth Measurement_11A_5700_Ant1



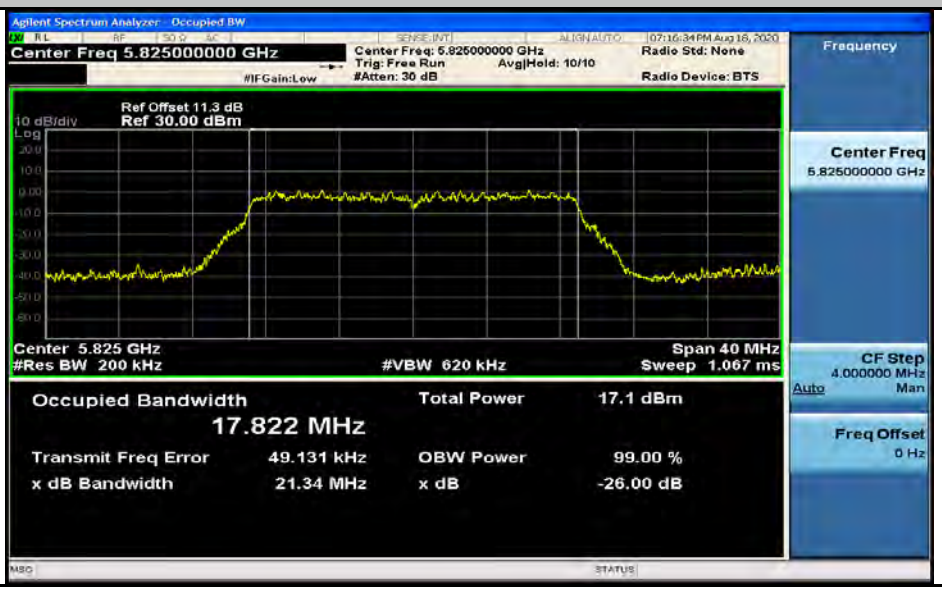
(26dB)Emission Bandwidth Measurement_11A_5745_Ant1



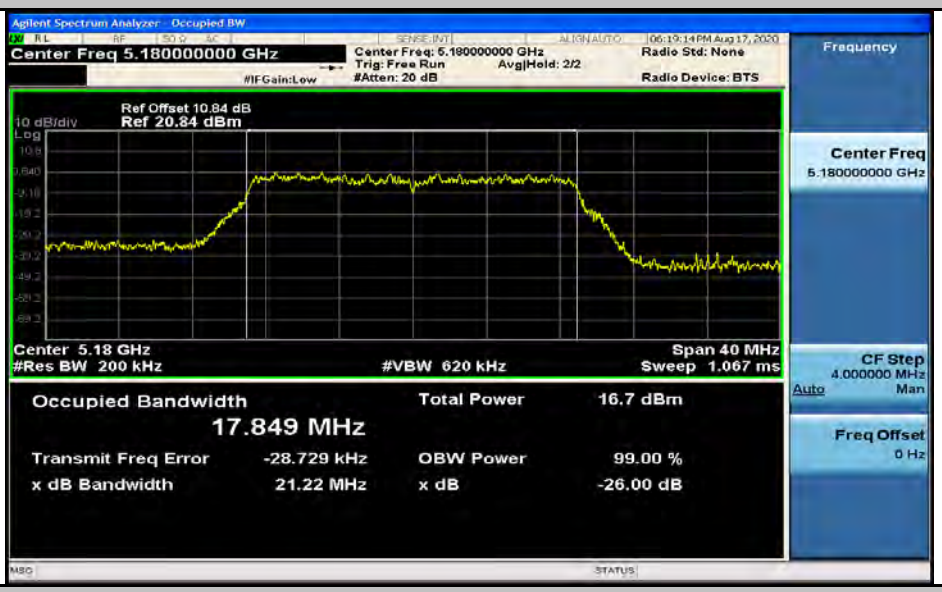
(26dB)Emission Bandwidth Measurement_11A_5785_Ant1



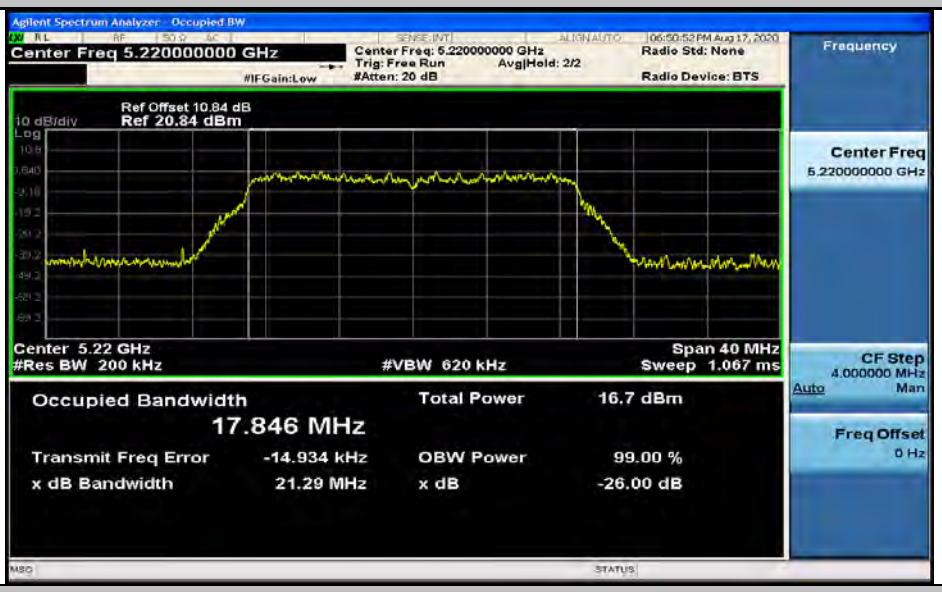
(26dB)Emission Bandwidth Measurement_11A_5825_Ant1



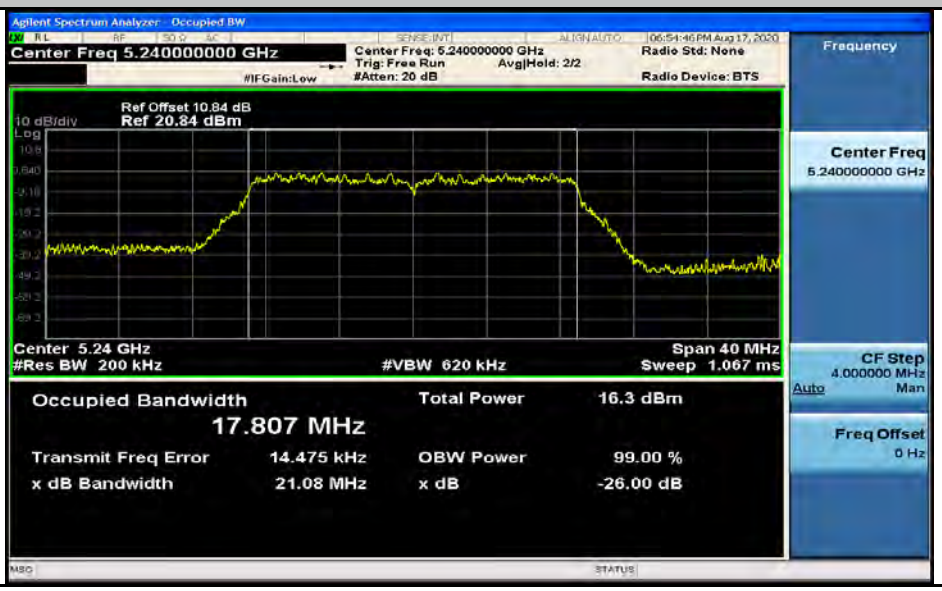
(26dB)Emission Bandwidth Measurement_11N20_5180_Ant1



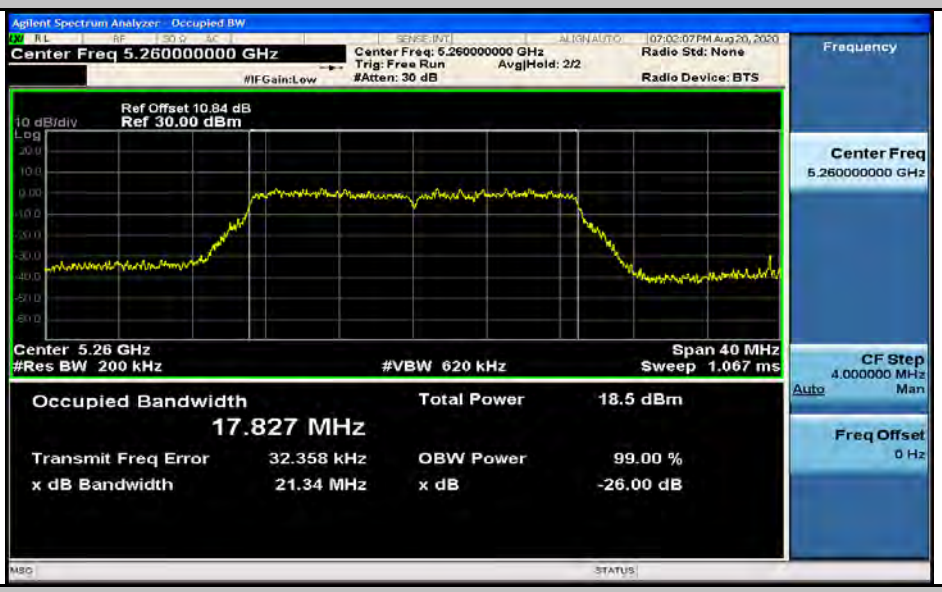
(26dB)Emission Bandwidth Measurement_11N20_5220_Ant1



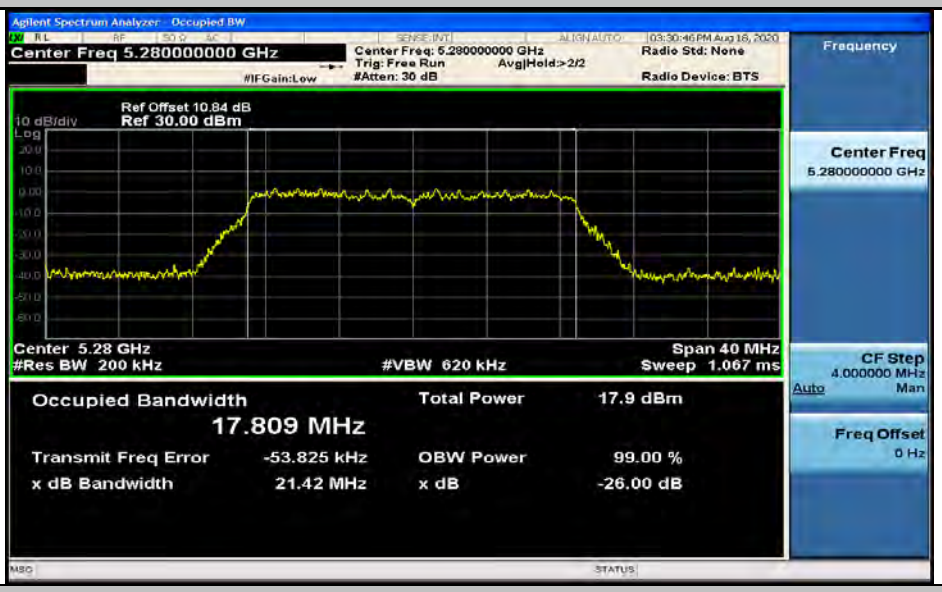
(26dB)Emission Bandwidth Measurement_11N20_5240_Ant1



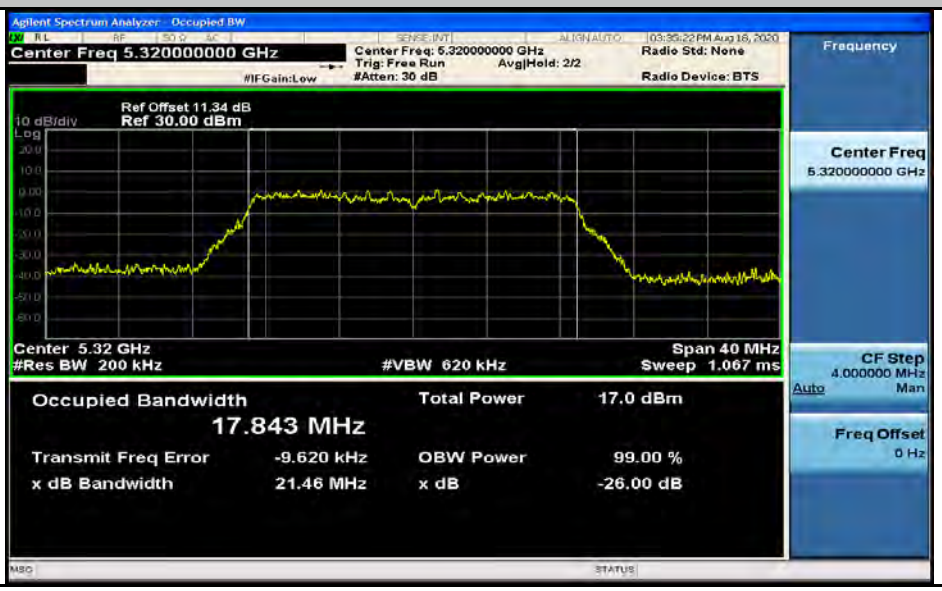
(26dB)Emission Bandwidth Measurement_11N20_5260_Ant1



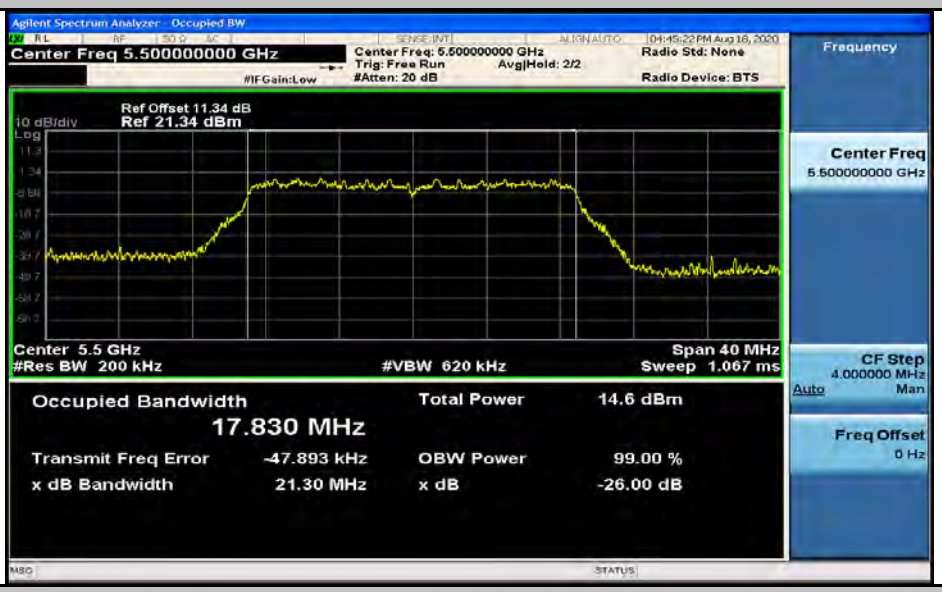
(26dB)Emission Bandwidth Measurement_11N20_5280_Ant1



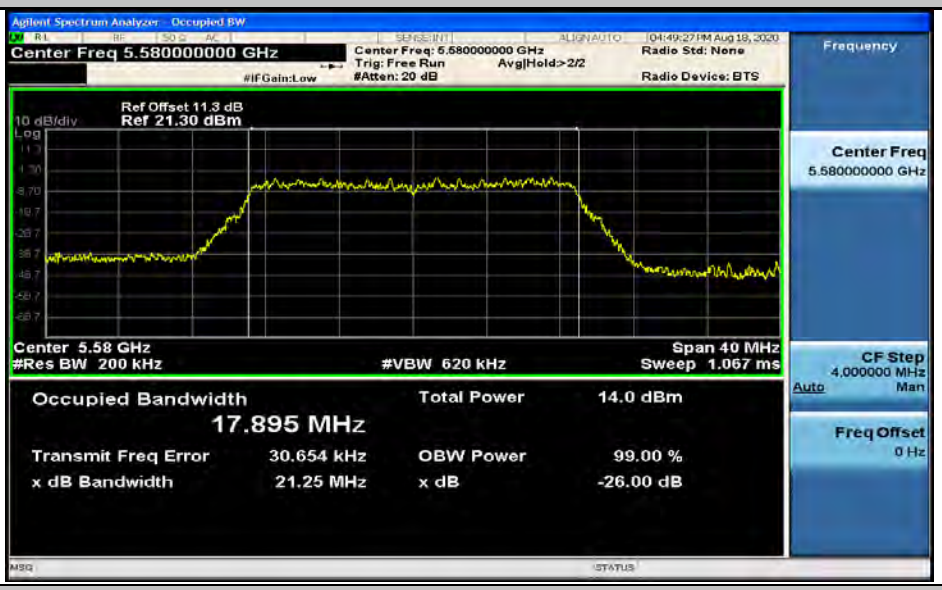
(26dB)Emission Bandwidth Measurement_11N20_5320_Ant1



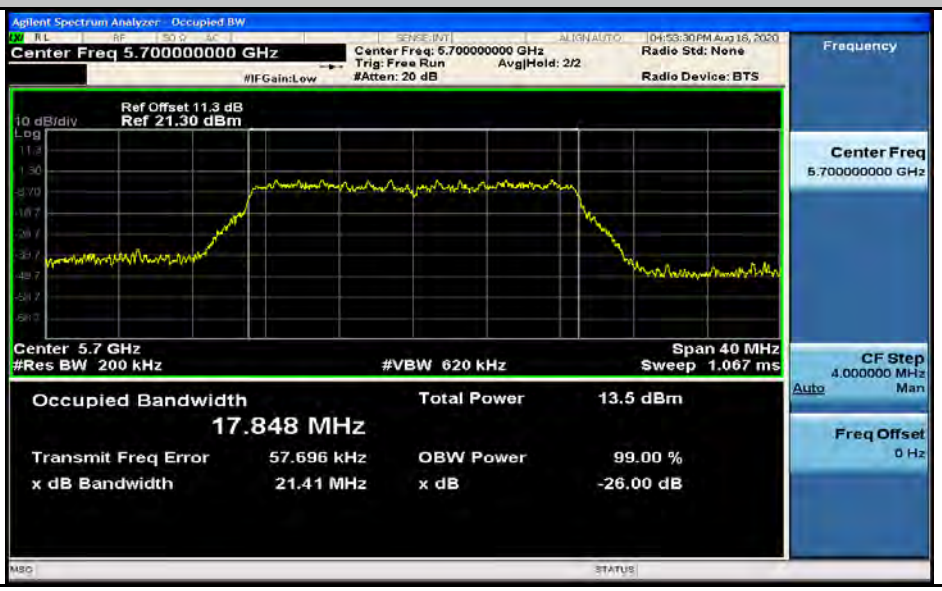
(26dB)Emission Bandwidth Measurement_11N20_5500_Ant1



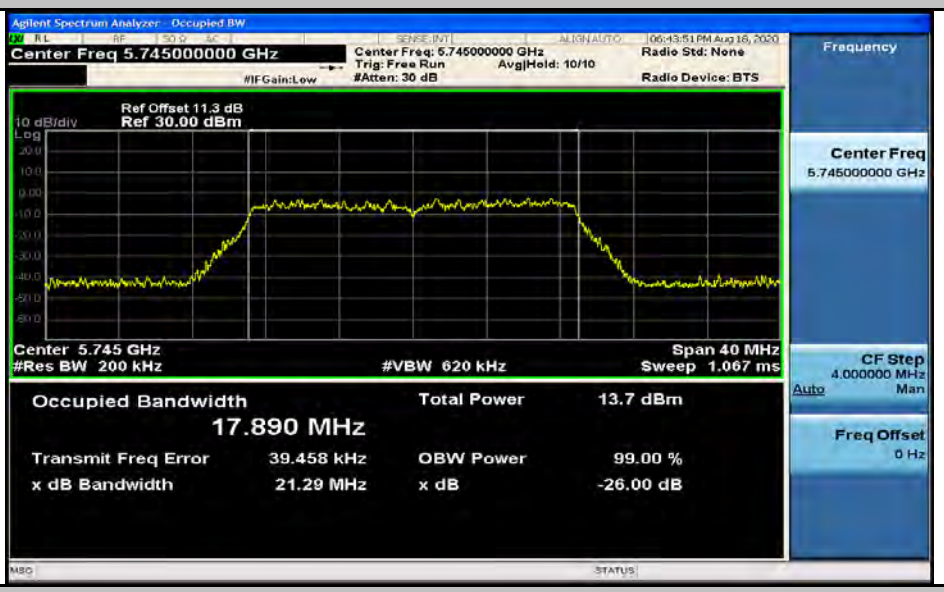
(26dB)Emission Bandwidth Measurement_11N20_5580_Ant1



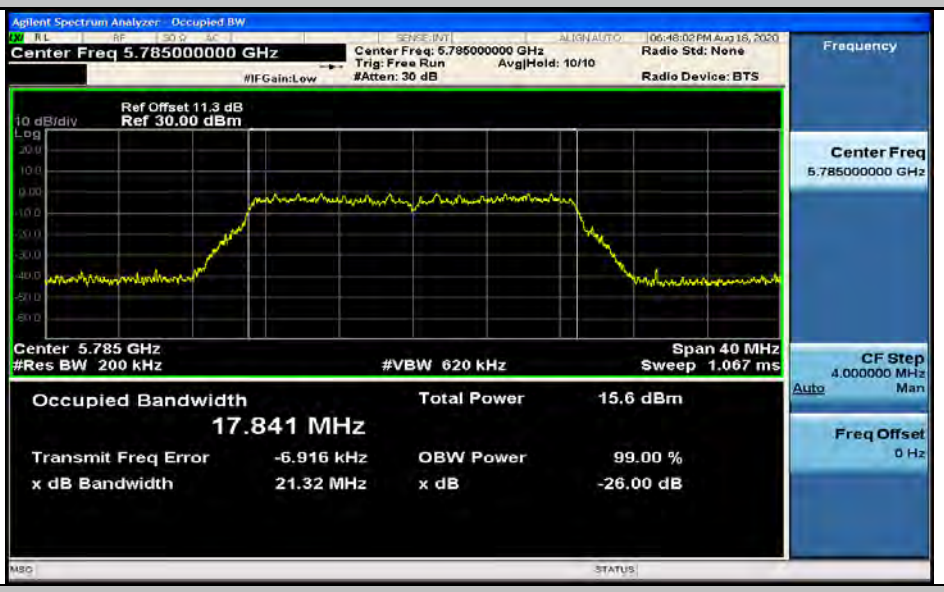
(26dB)Emission Bandwidth Measurement_11N20_5700_Ant1



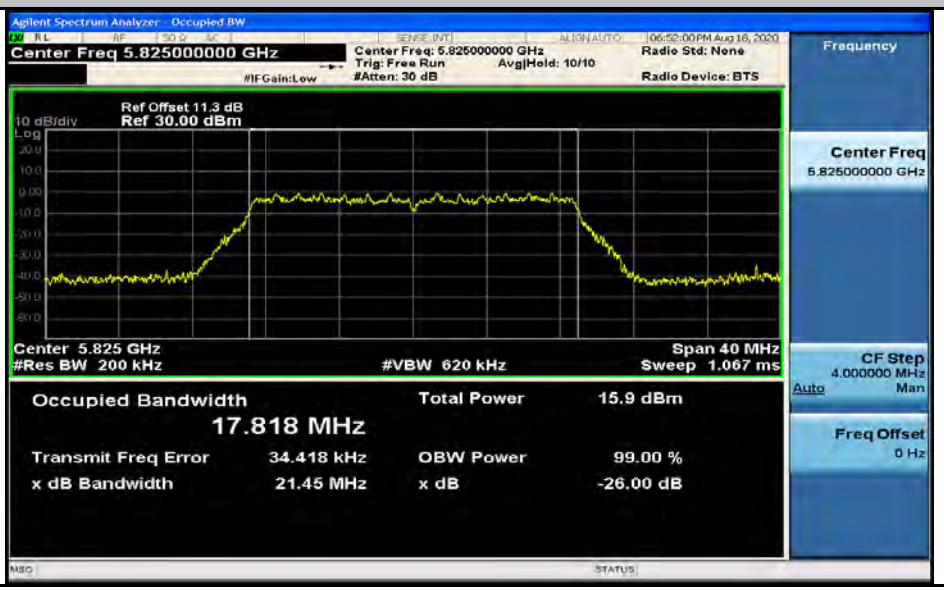
(26dB)Emission Bandwidth Measurement_11N20_5745_Ant1



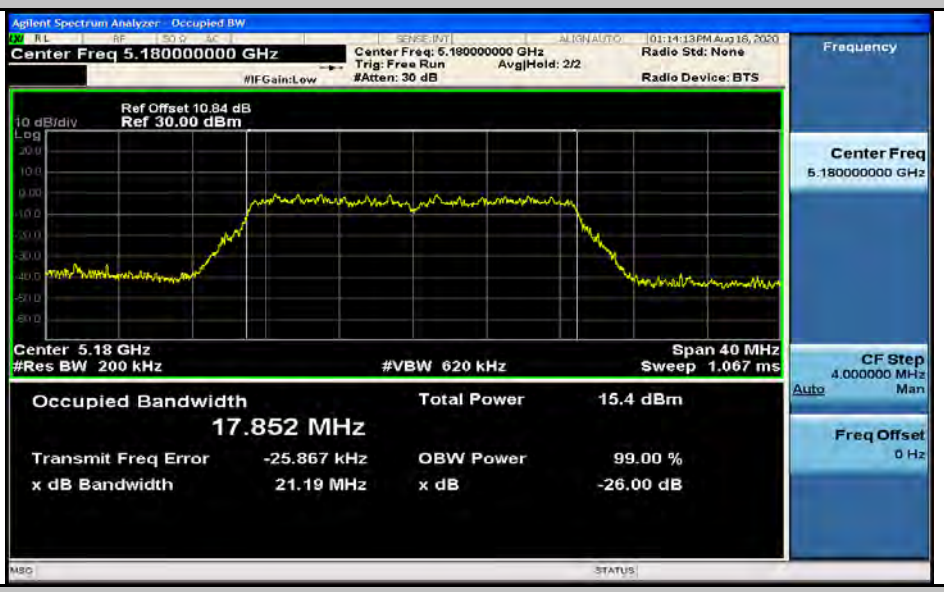
(26dB)Emission Bandwidth Measurement_11N20_5785_Ant1



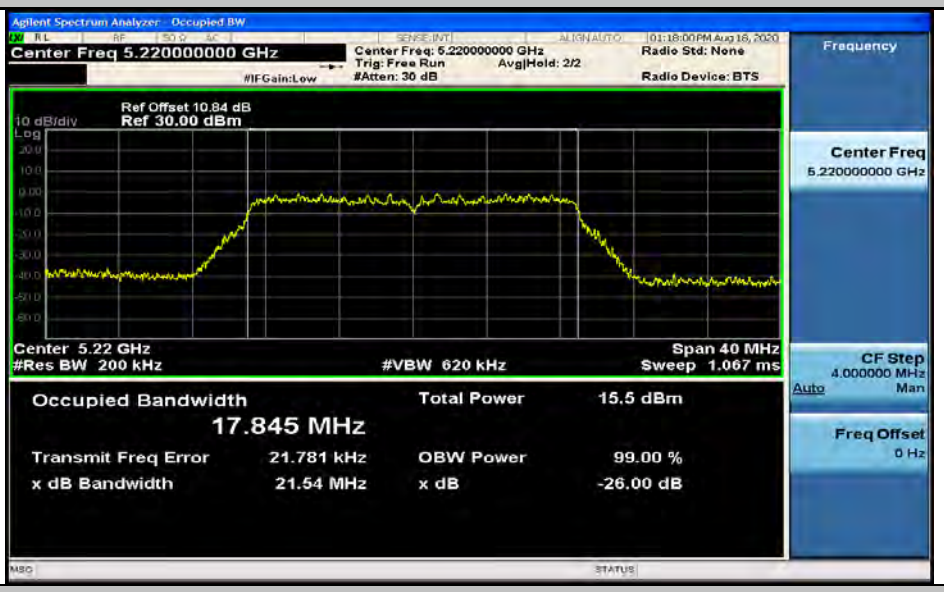
(26dB)Emission Bandwidth Measurement_11N20_5825_Ant1



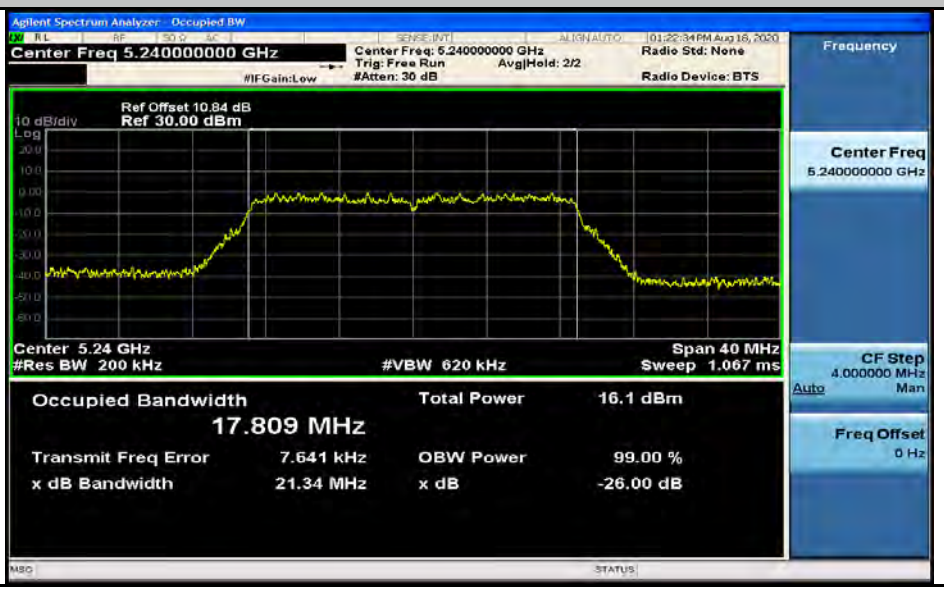
(26dB)Emission Bandwidth Measurement_11AC20_5180_Ant1



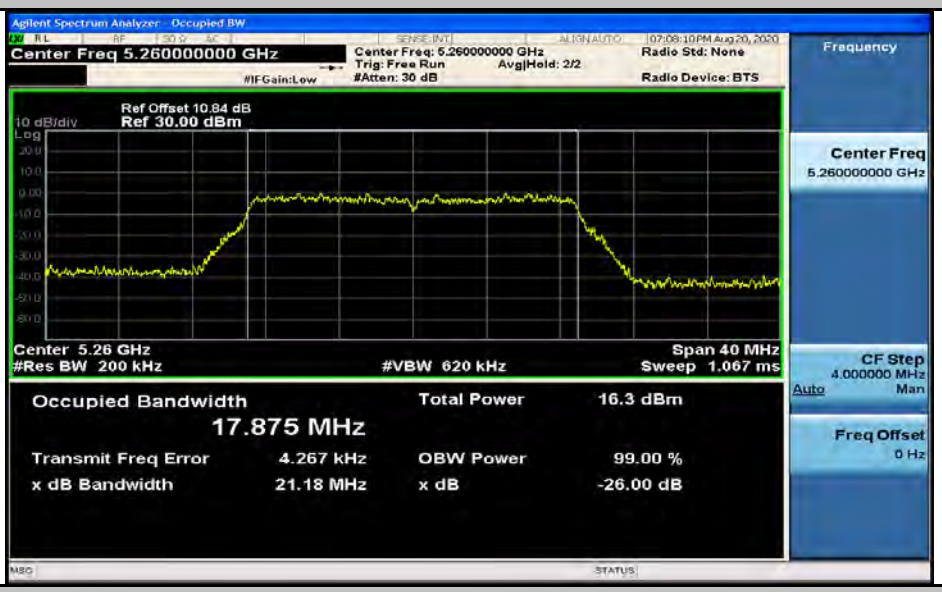
(26dB)Emission Bandwidth Measurement_11AC20_5220_Ant1



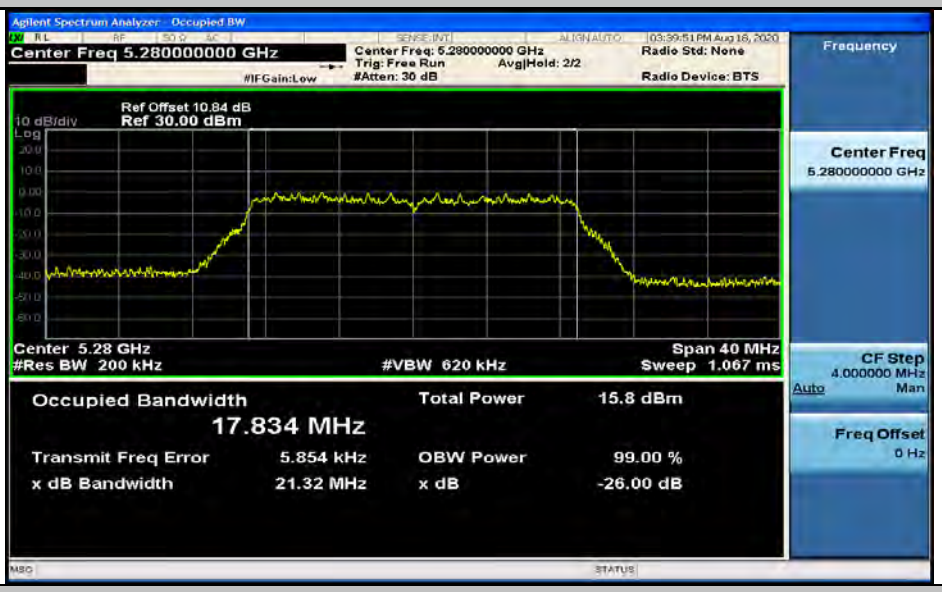
(26dB)Emission Bandwidth Measurement_11AC20_5240_Ant1



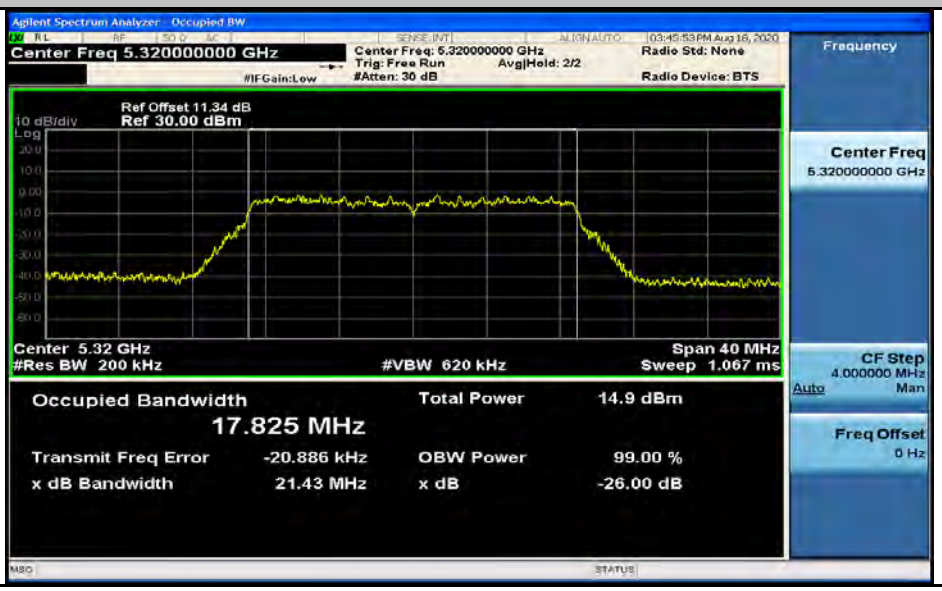
(26dB)Emission Bandwidth Measurement_11AC20_5260_Ant1



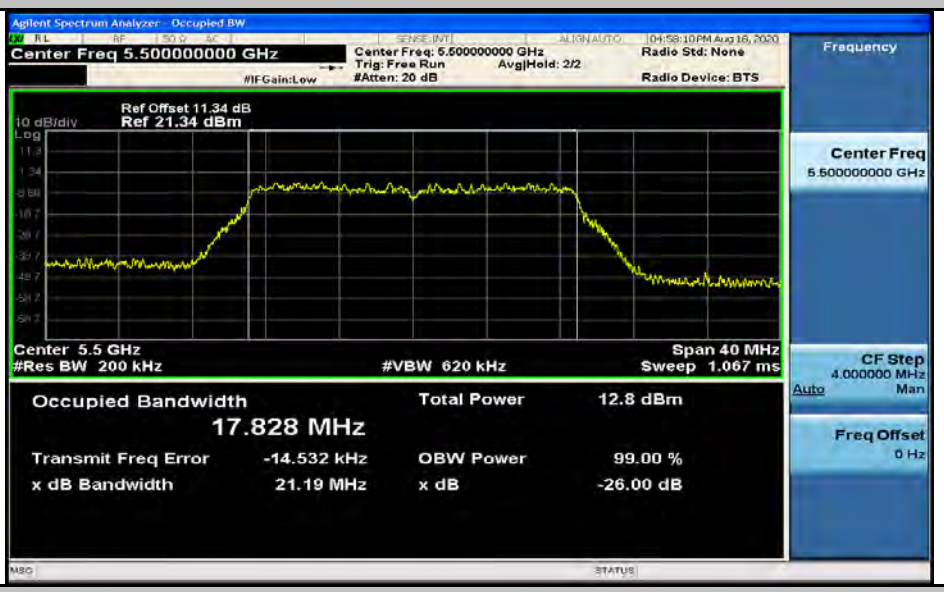
(26dB)Emission Bandwidth Measurement_11AC20_5280_Ant1



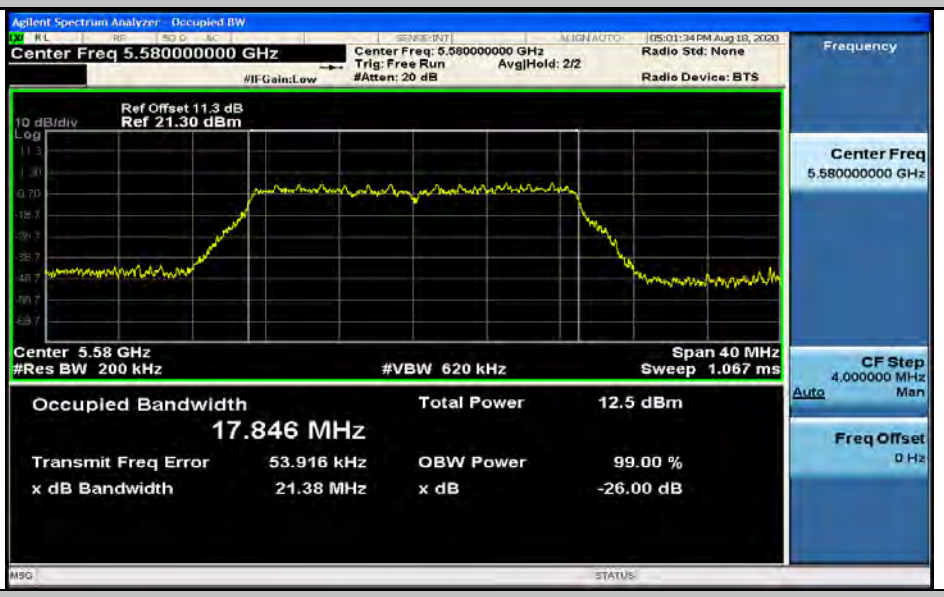
(26dB)Emission Bandwidth Measurement_11AC20_5320_Ant1



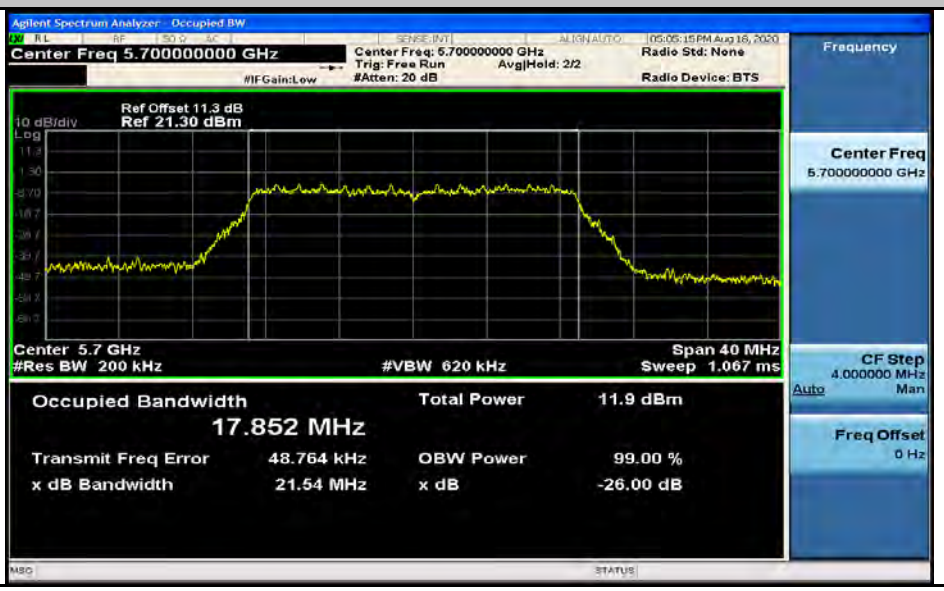
(26dB)Emission Bandwidth Measurement_11AC20_5500_Ant1



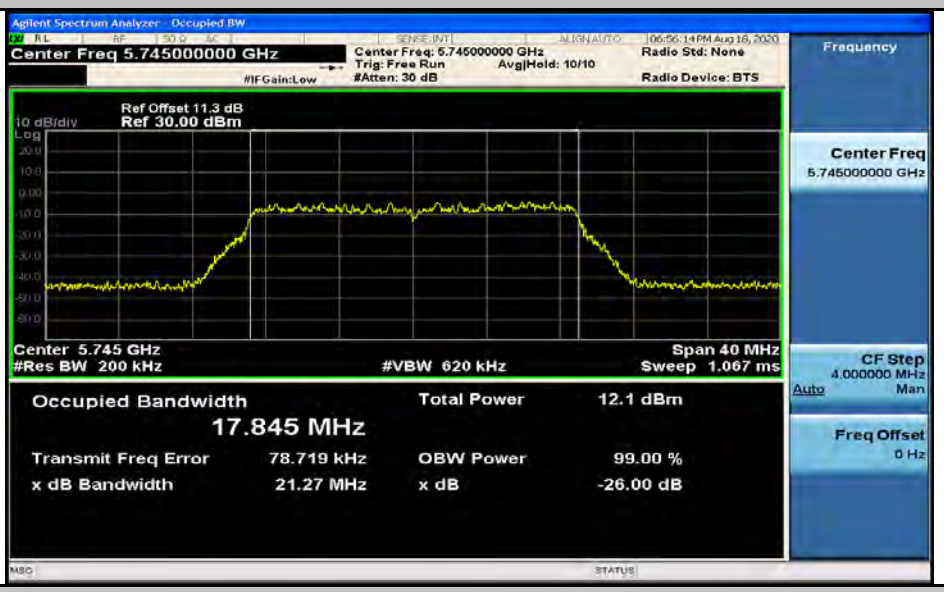
(26dB)Emission Bandwidth Measurement_11AC20_5580_Ant1



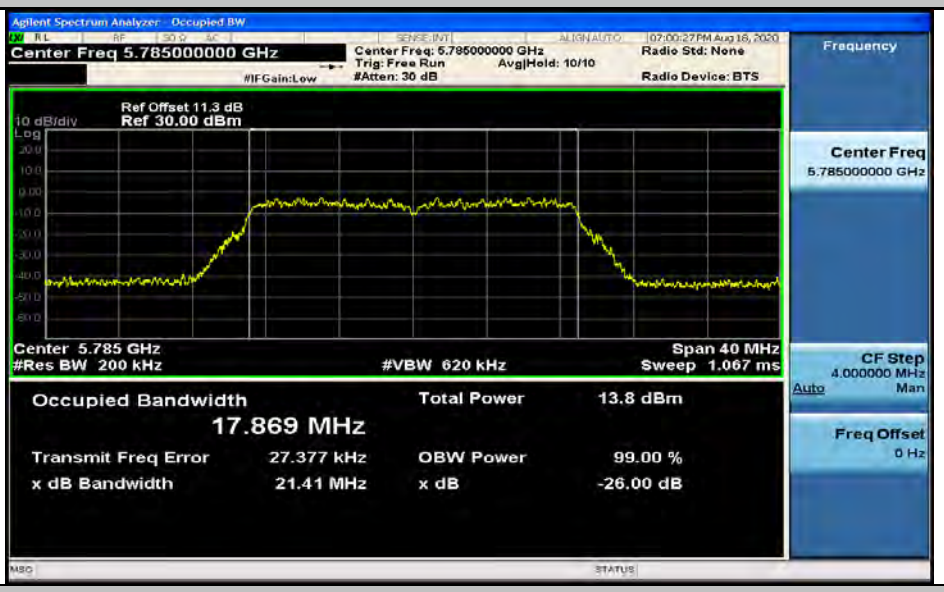
(26dB)Emission Bandwidth Measurement_11AC20_5700_Ant1



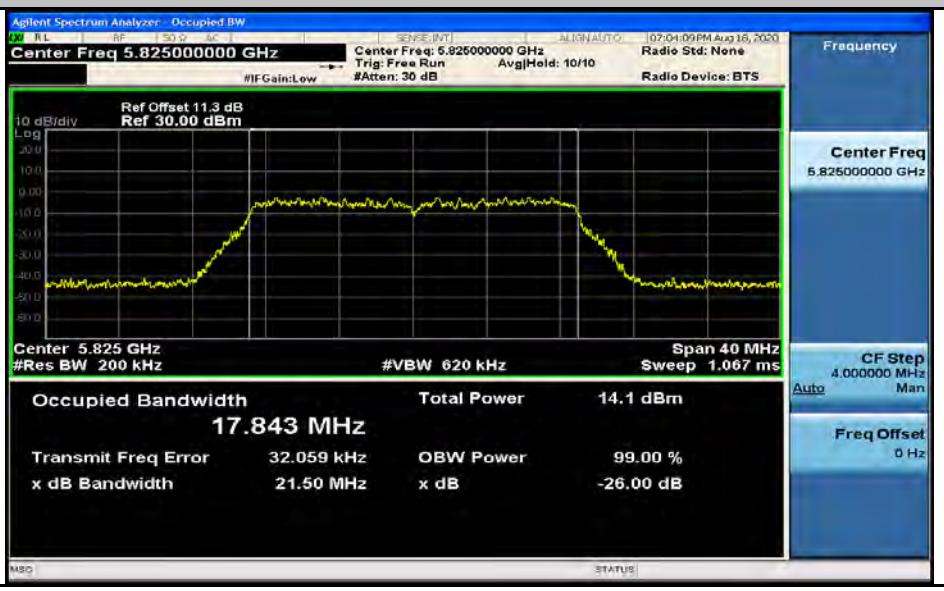
(26dB)Emission Bandwidth Measurement_11AC20_5745_Ant1



(26dB)Emission Bandwidth Measurement_11AC20_5785_Ant1



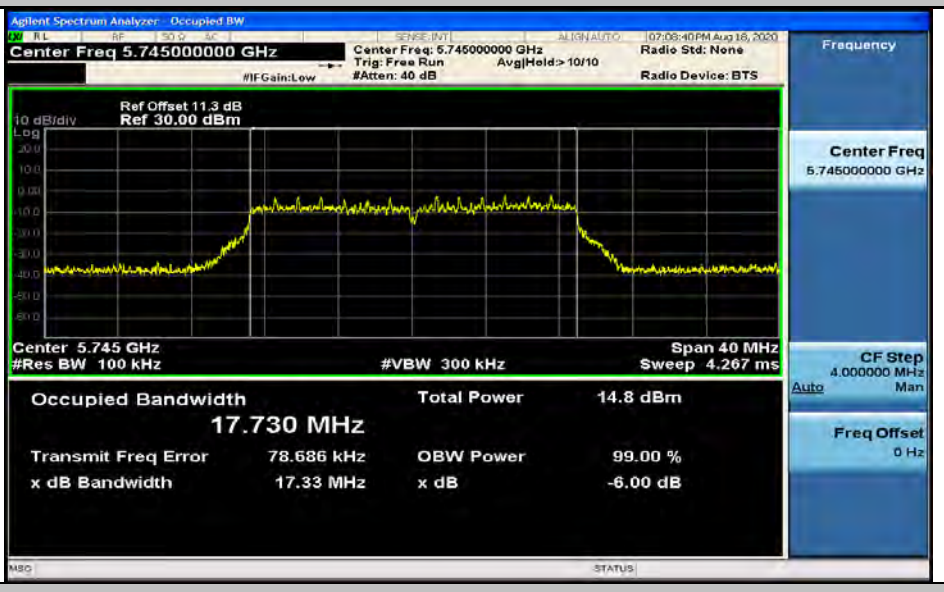
(26dB)Emission Bandwidth Measurement_11AC20_5825_Ant1



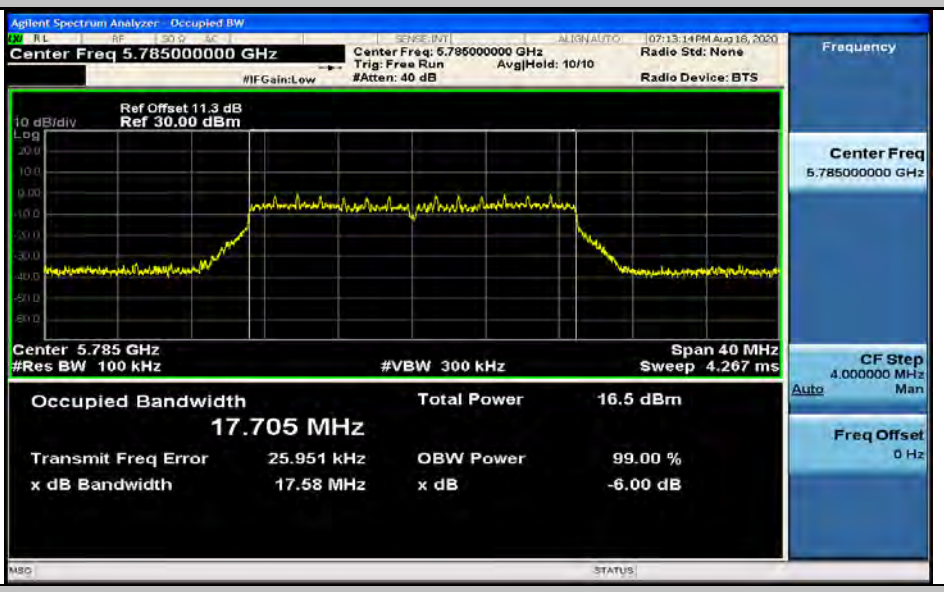
2.(6dB)Minimum Emission Bandwidth Measurement

Test Mode	Test Channel	Ant	(6dB)EBW[MHz]	Limit[MHz]	Verdict
11A	5745	Ant1	17.33	0.5	PASS
11A	5785	Ant1	17.58	0.5	PASS
11A	5825	Ant1	17.56	0.5	PASS
11N20	5745	Ant1	17.55	0.5	PASS
11N20	5785	Ant1	17.59	0.5	PASS
11N20	5825	Ant1	17.58	0.5	PASS
11AC20	5745	Ant1	17.58	0.5	PASS
11AC20	5785	Ant1	17.57	0.5	PASS
11AC20	5825	Ant1	17.58	0.5	PASS

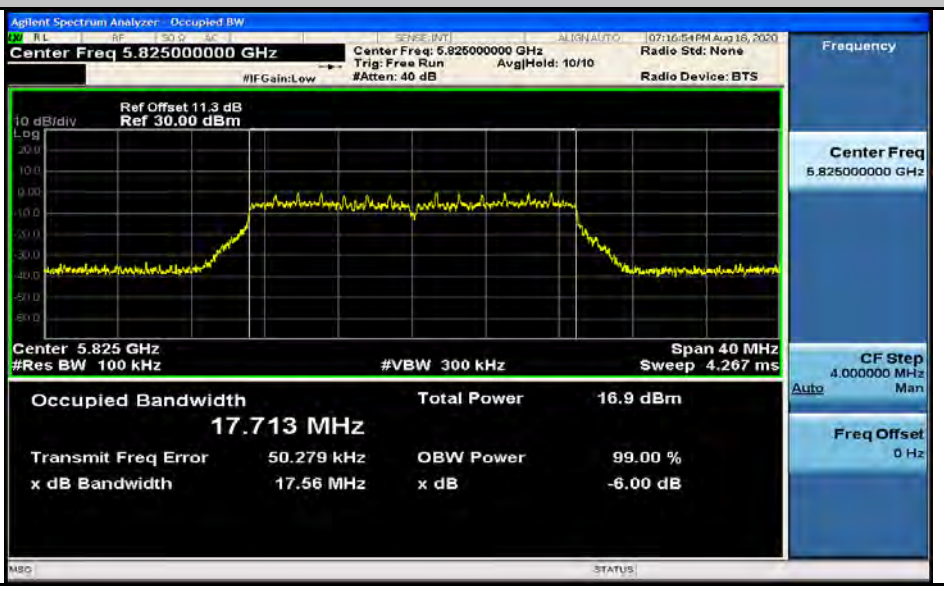
(6dB)Minimum Emission Bandwidth Measurement_11A_5745_Ant1



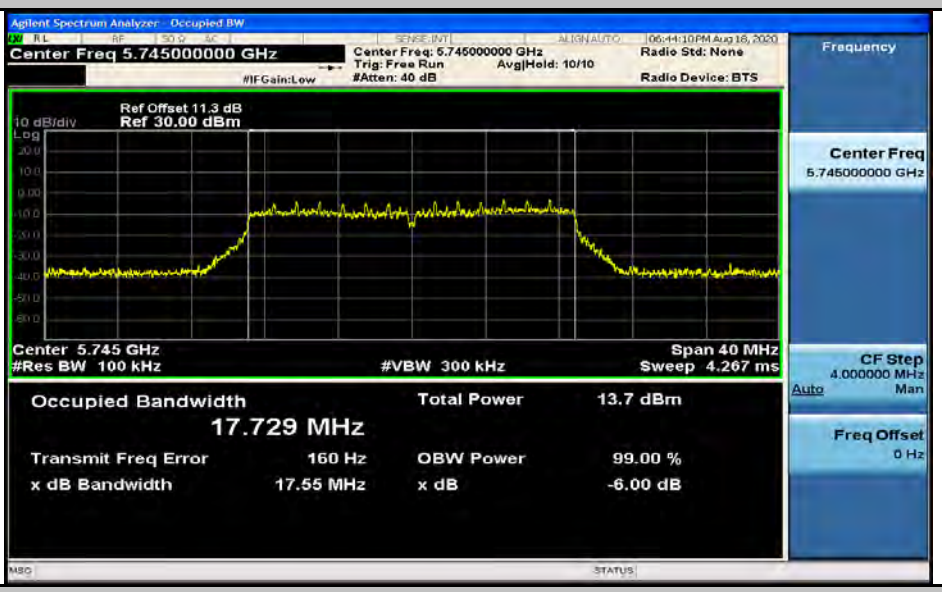
(6dB)Minimum Emission Bandwidth Measurement_11A_5785_Ant1



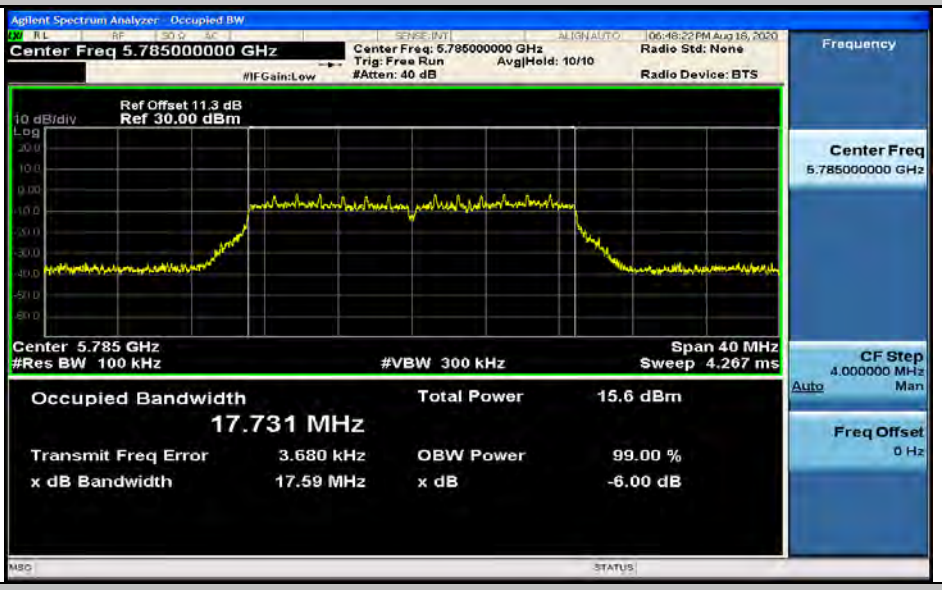
(6dB)Minimum Emission Bandwidth Measurement_11A_5825_Ant1



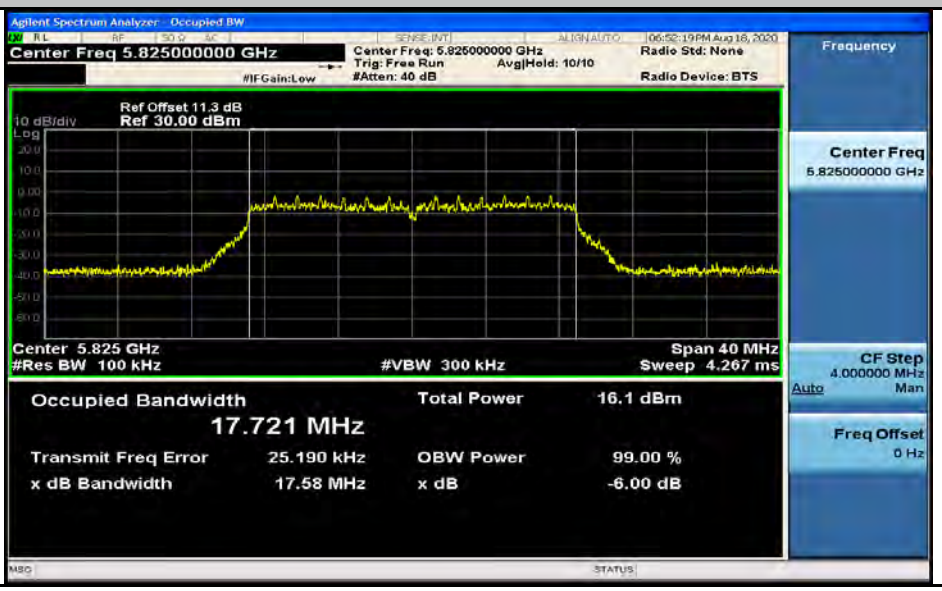
(6dB)Minimum Emission Bandwidth Measurement_11N20_5745_Ant1



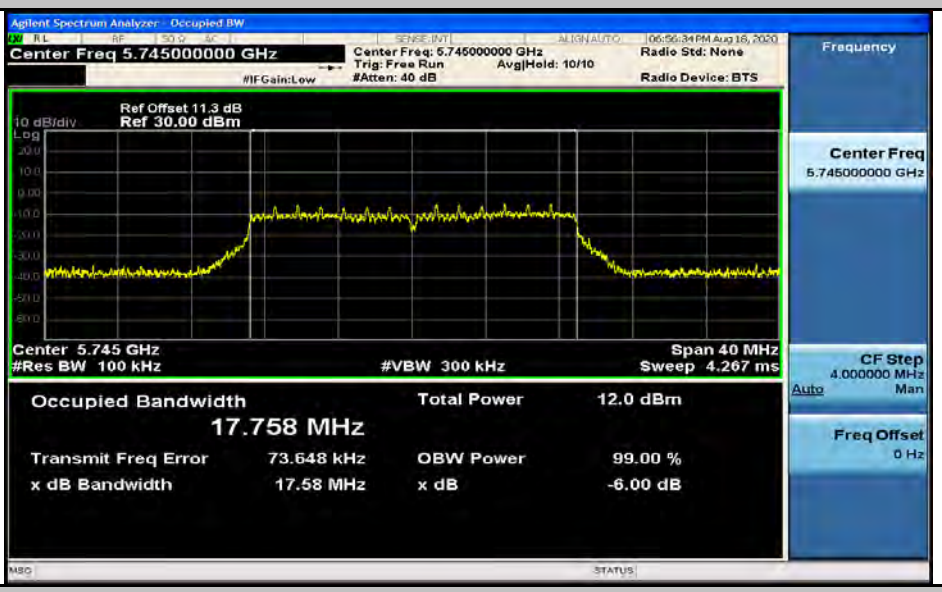
(6dB)Minimum Emission Bandwidth Measurement_11N20_5785_Ant1



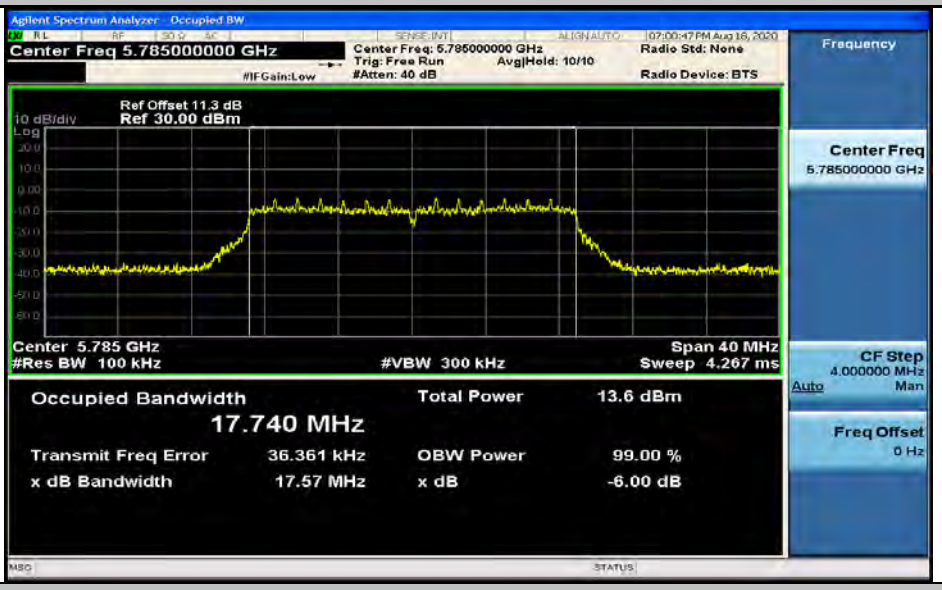
(6dB)Minimum Emission Bandwidth Measurement_11N20_5825_Ant1



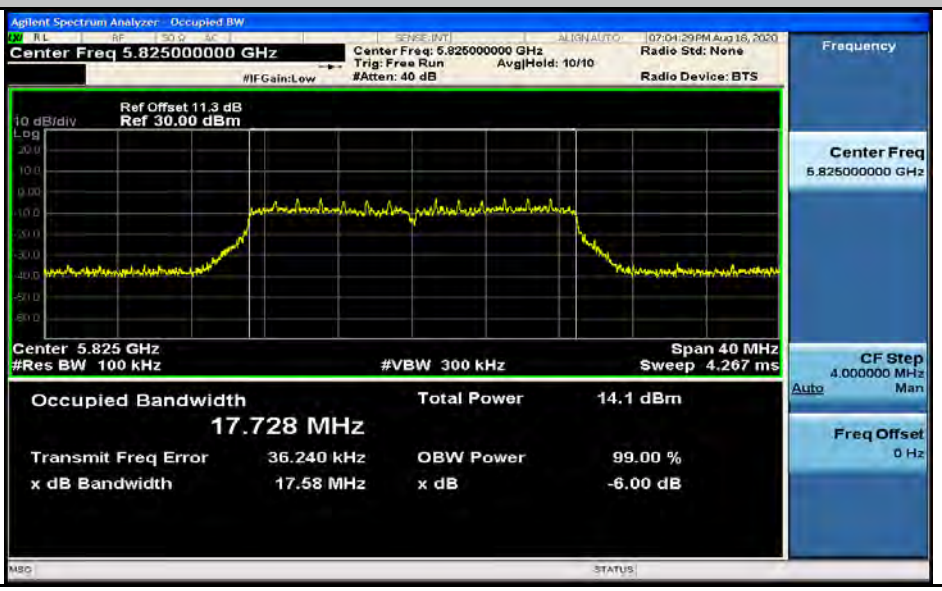
(6dB)Minimum Emission Bandwidth Measurement_11AC20_5745_Ant1



(6dB)Minimum Emission Bandwidth Measurement_11AC20_5785_Ant1



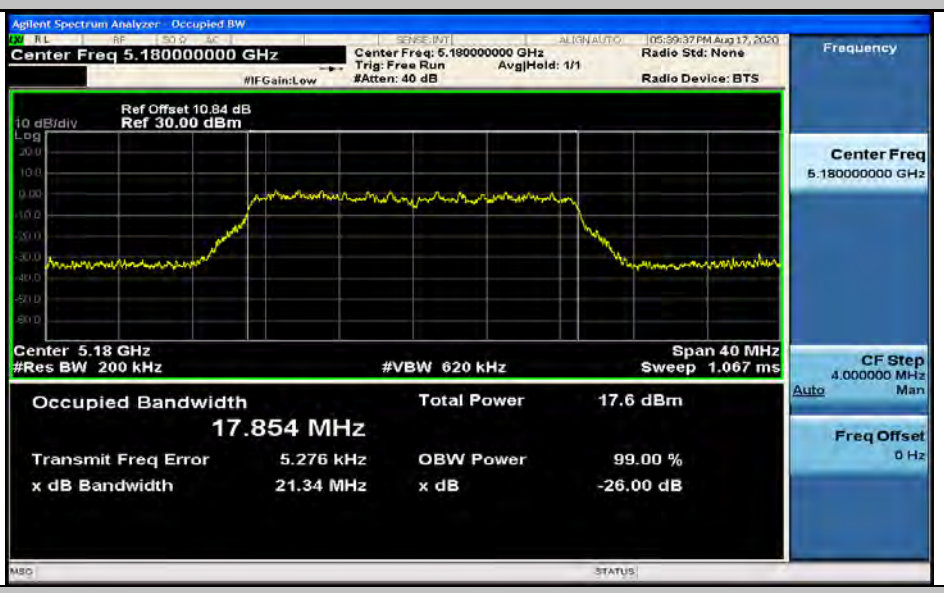
(6dB)Minimum Emission Bandwidth Measurement_11AC20_5825_Ant1



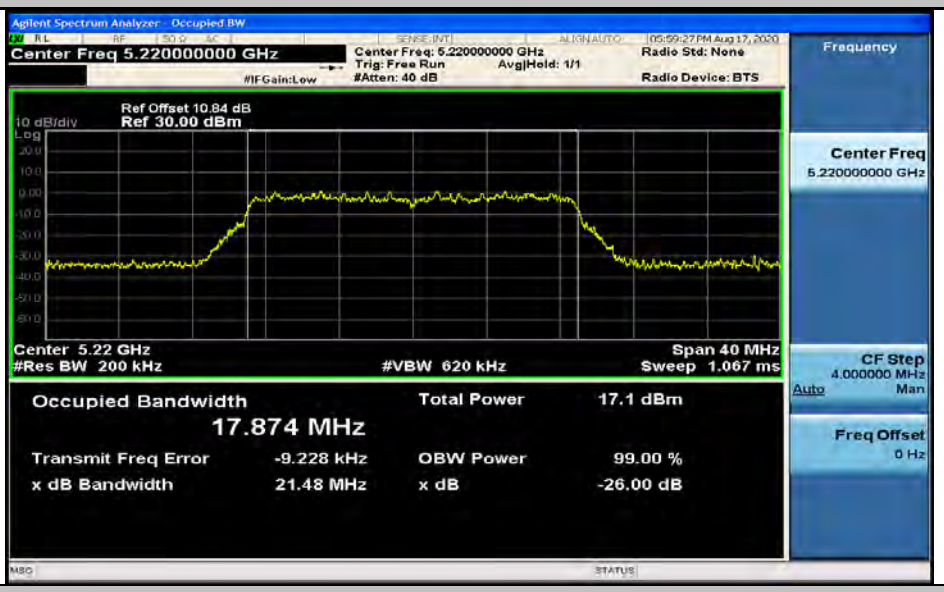
3.Occupied Bandwidth Measurement

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
11A	5180	Ant1	17.85	---	PASS
11A	5220	Ant1	17.87	---	PASS
11A	5240	Ant1	17.92	---	PASS
11A	5260	Ant1	17.91	---	PASS
11A	5280	Ant1	17.91	---	PASS
11A	5320	Ant1	17.89	---	PASS
11A	5500	Ant1	17.92	---	PASS
11A	5580	Ant1	17.93	---	PASS
11A	5700	Ant1	17.92	---	PASS
11A	5745	Ant1	18.17	---	PASS
11A	5785	Ant1	18.13	---	PASS
11A	5825	Ant1	18.14	---	PASS
11N20	5180	Ant1	17.90	---	PASS
11N20	5220	Ant1	17.85	---	PASS
11N20	5240	Ant1	17.94	---	PASS
11N20	5260	Ant1	17.90	---	PASS
11N20	5280	Ant1	17.89	---	PASS
11N20	5320	Ant1	17.88	---	PASS
11N20	5500	Ant1	17.90	---	PASS
11N20	5580	Ant1	17.92	---	PASS
11N20	5700	Ant1	17.95	---	PASS
11N20	5745	Ant1	18.21	---	PASS
11N20	5785	Ant1	18.12	---	PASS
11N20	5825	Ant1	18.15	---	PASS
11AC20	5180	Ant1	17.90	---	PASS
11AC20	5220	Ant1	17.89	---	PASS
11AC20	5240	Ant1	17.92	---	PASS
11AC20	5260	Ant1	17.90	---	PASS
11AC20	5280	Ant1	17.89	---	PASS
11AC20	5320	Ant1	17.91	---	PASS
11AC20	5500	Ant1	17.96	---	PASS
11AC20	5580	Ant1	17.94	---	PASS
11AC20	5700	Ant1	17.98	---	PASS
11AC20	5745	Ant1	18.23	---	PASS
11AC20	5785	Ant1	18.20	---	PASS
11AC20	5825	Ant1	18.17	---	PASS

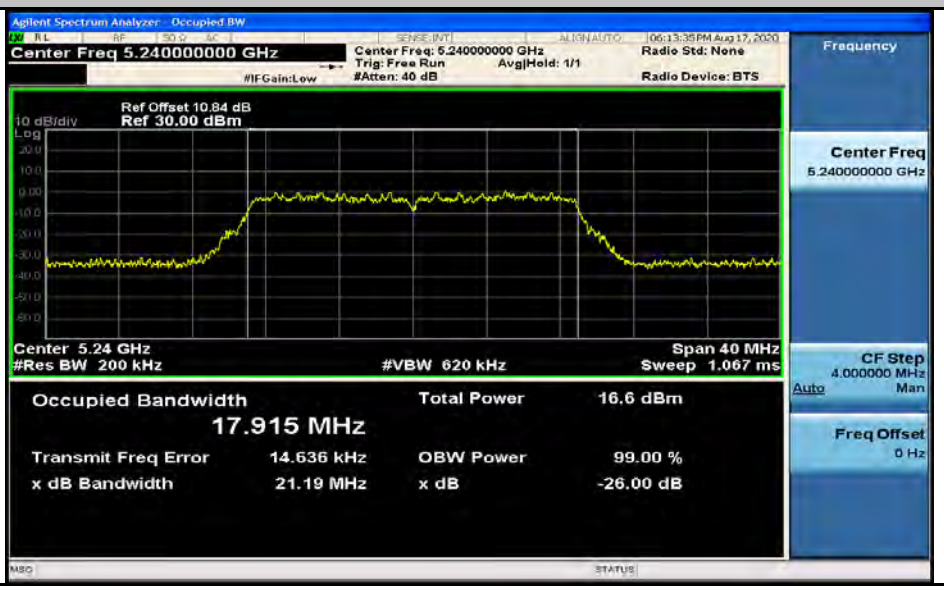
Occupied Bandwidth Measurement_11A_5180_Ant1



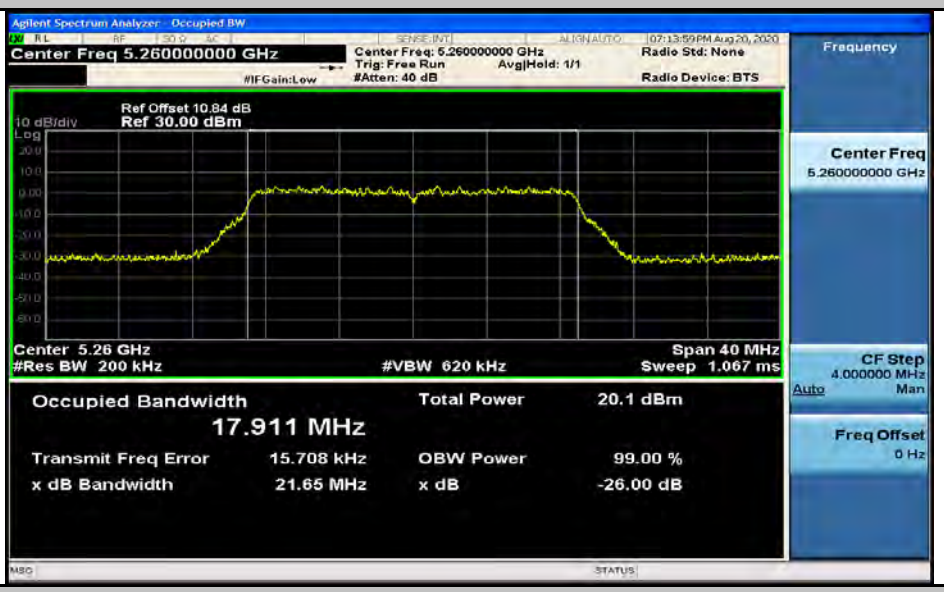
Occupied Bandwidth Measurement_11A_5220_Ant1



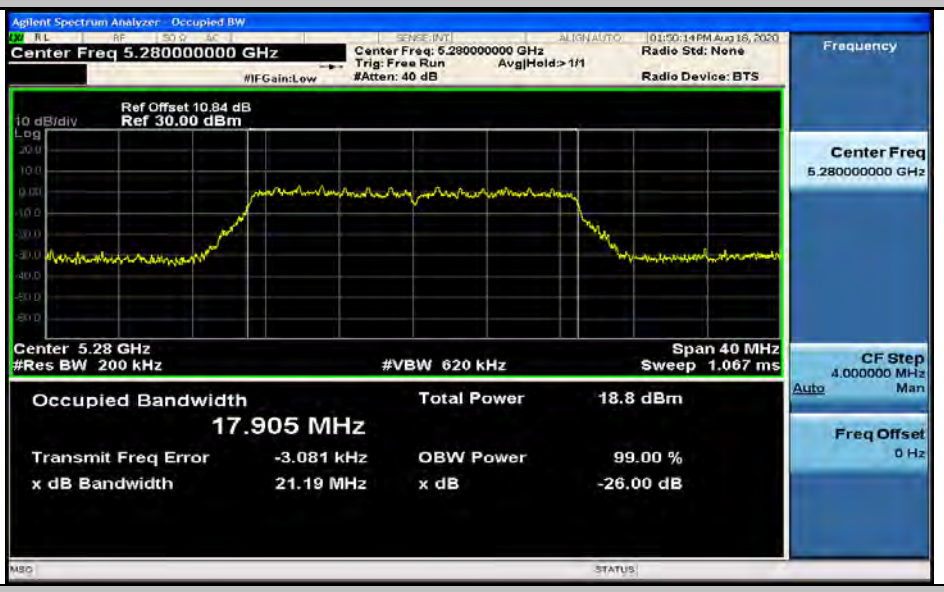
Occupied Bandwidth Measurement_11A_5240_Ant1



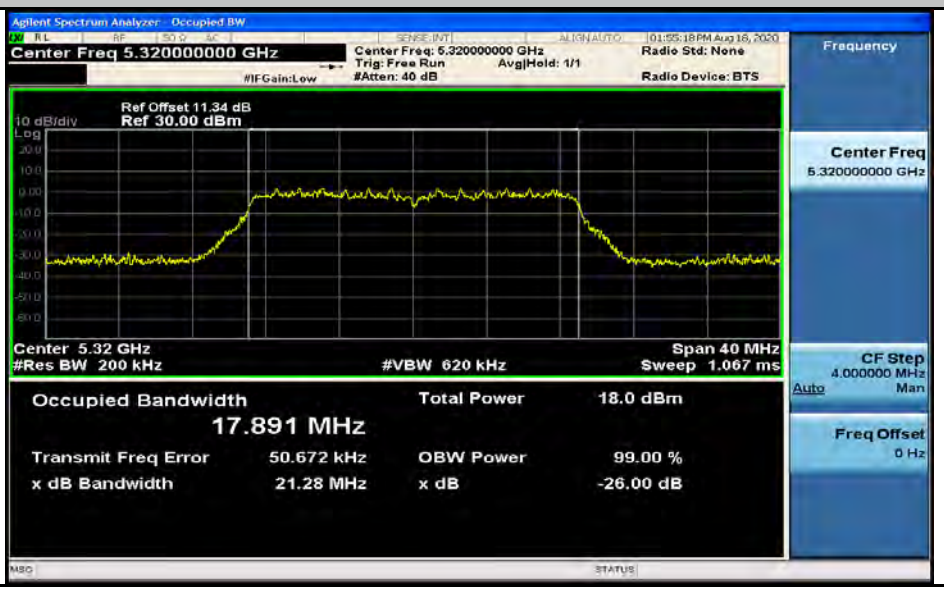
Occupied Bandwidth Measurement_11A_5260_Ant1



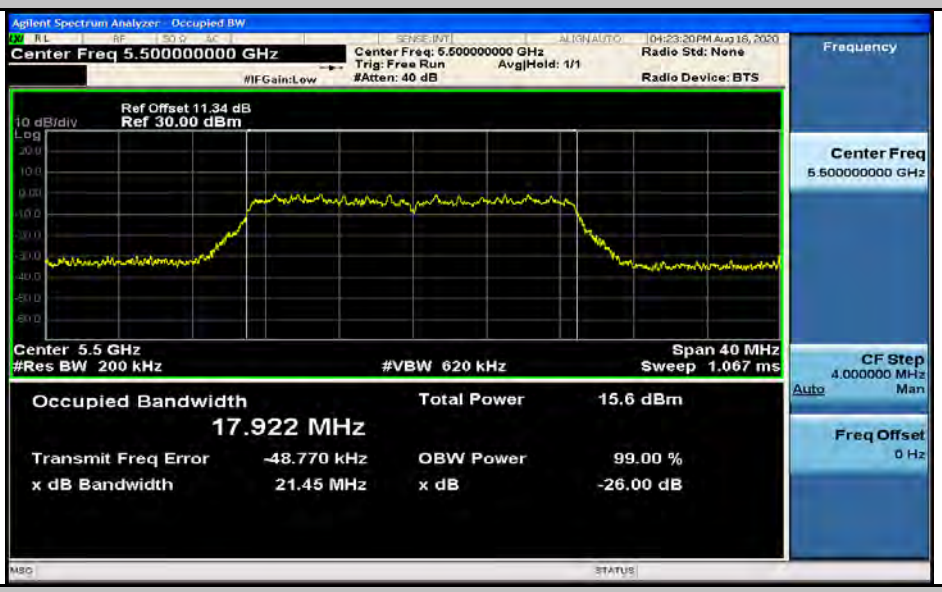
Occupied Bandwidth Measurement_11A_5280_Ant1



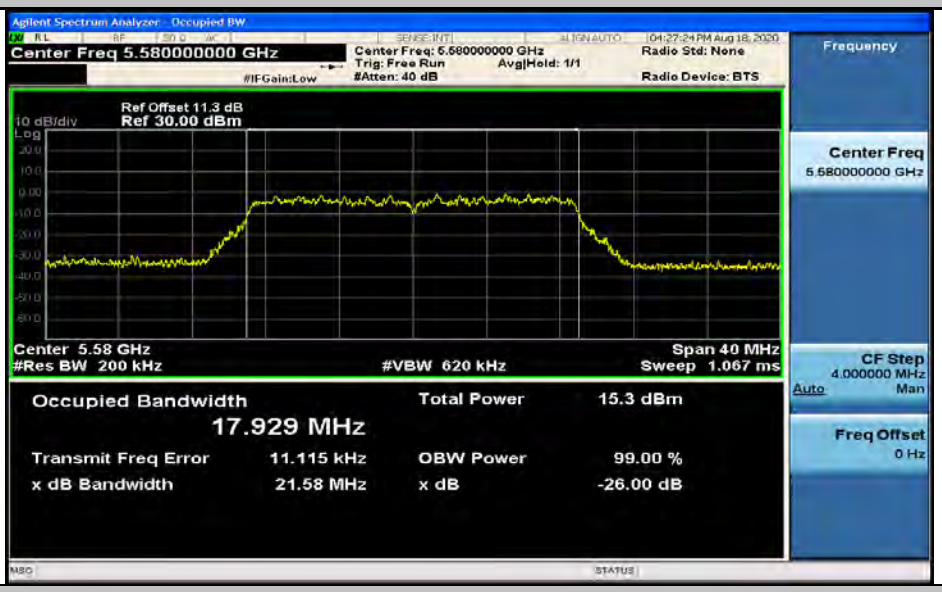
Occupied Bandwidth Measurement_11A_5320_Ant1



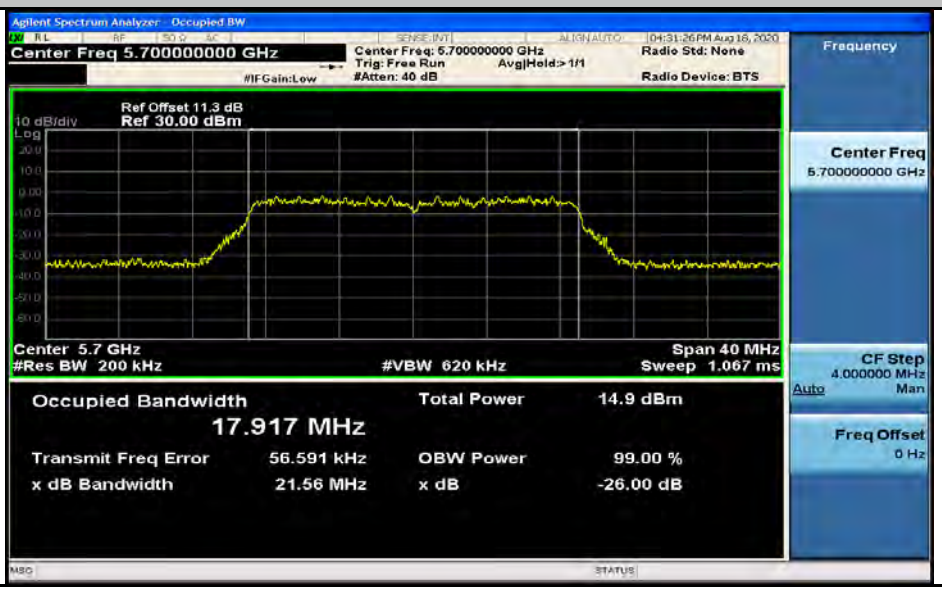
Occupied Bandwidth Measurement_11A_5500_Ant1



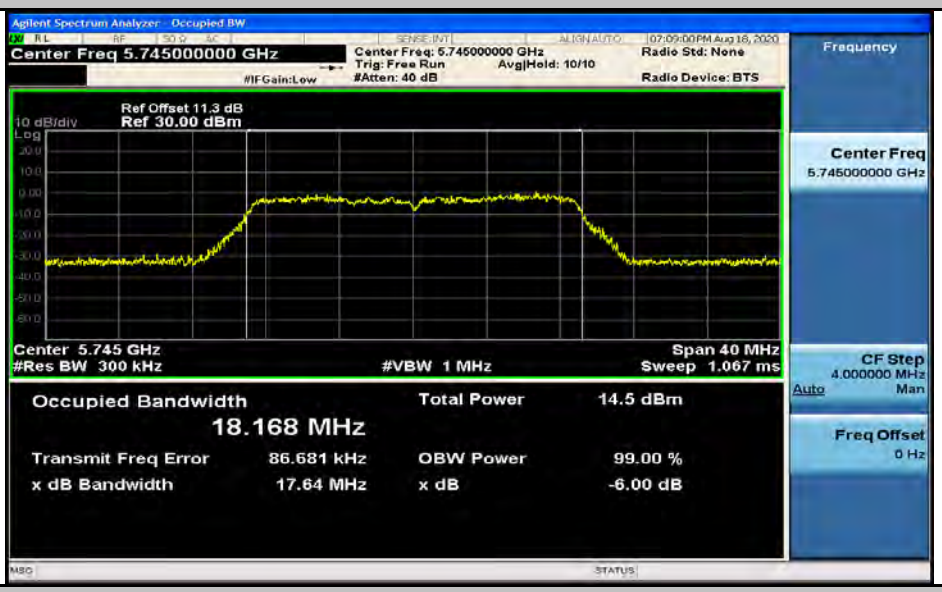
Occupied Bandwidth Measurement_11A_5580_Ant1



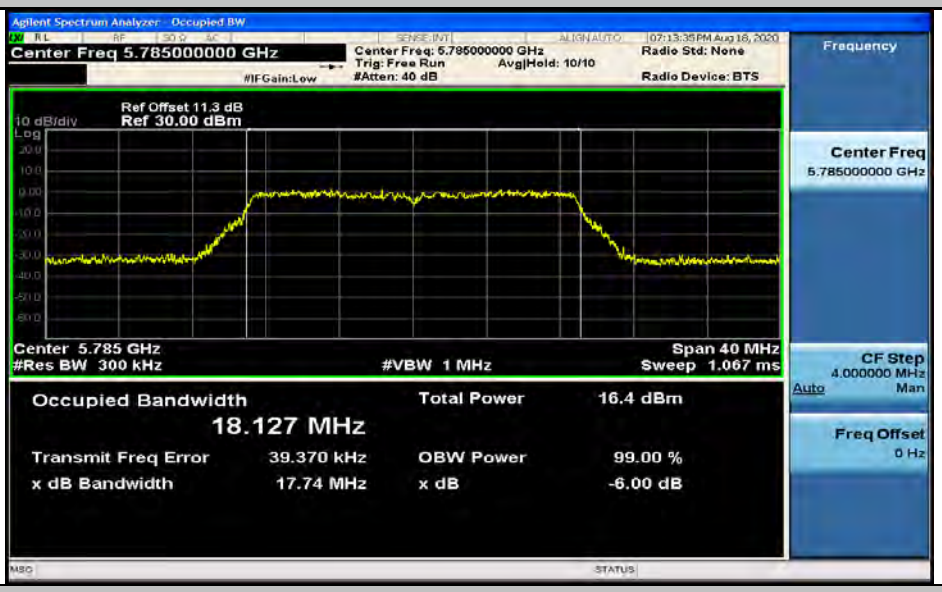
Occupied Bandwidth Measurement_11A_5700_Ant1



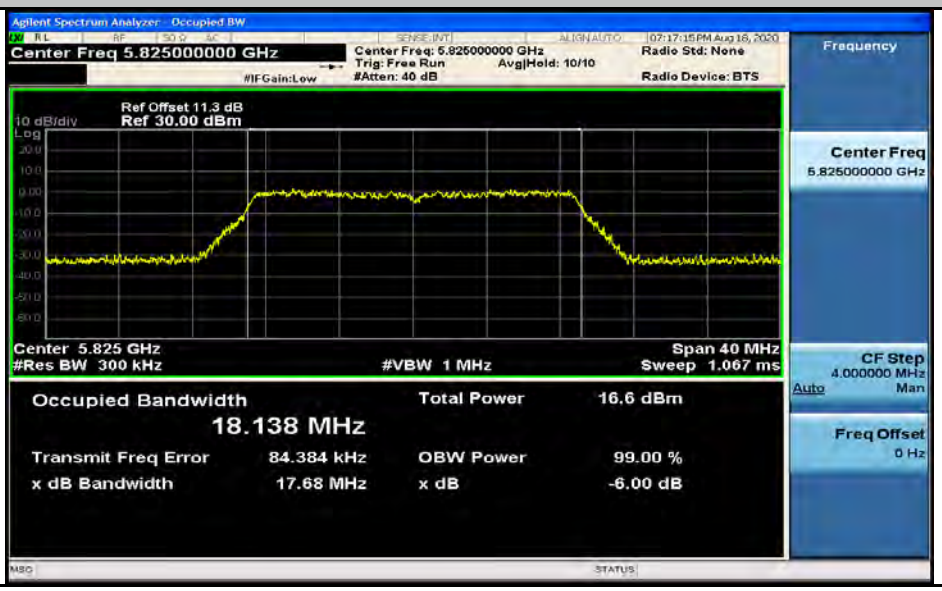
Occupied Bandwidth Measurement_11A_5745_Ant1



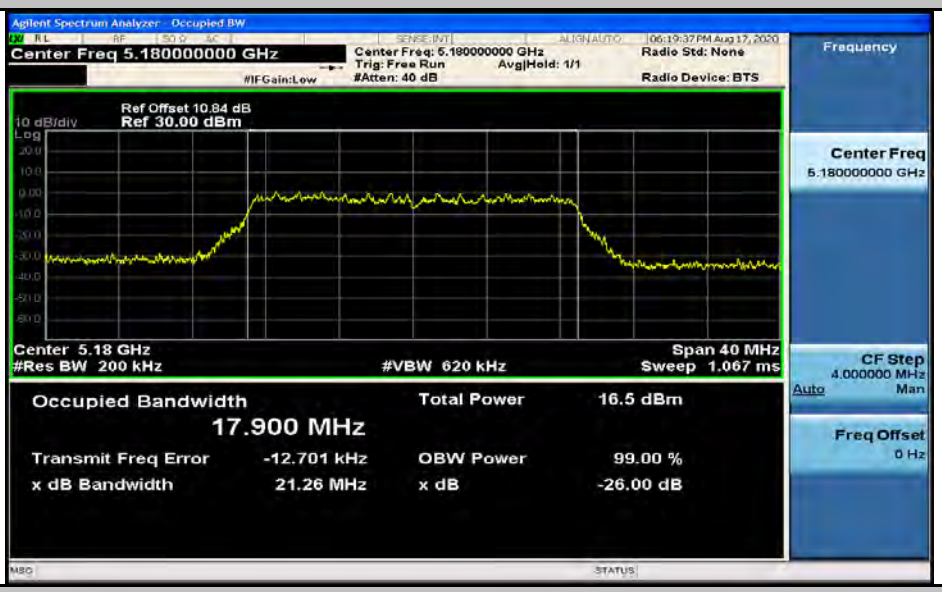
Occupied Bandwidth Measurement_11A_5785_Ant1



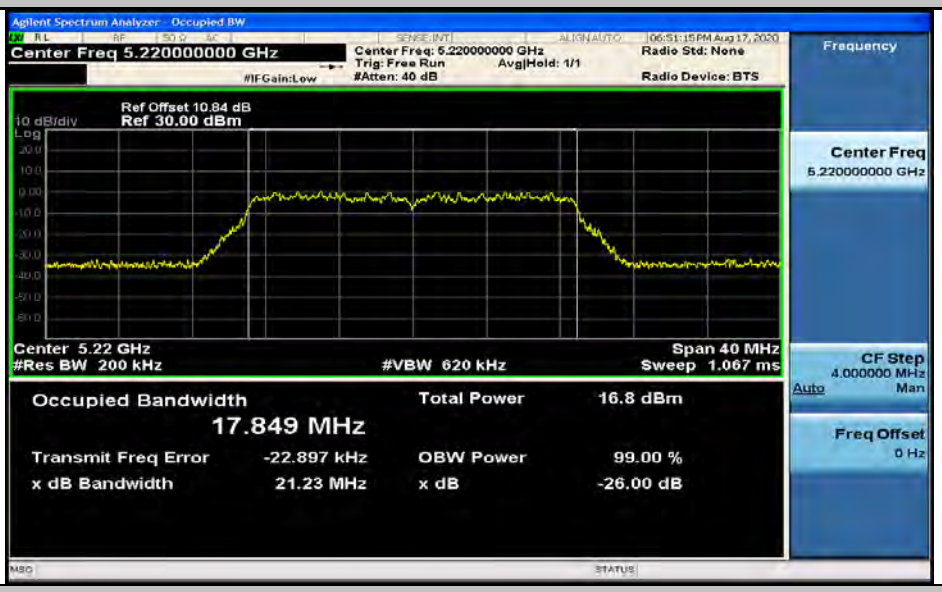
Occupied Bandwidth Measurement_11A_5825_Ant1



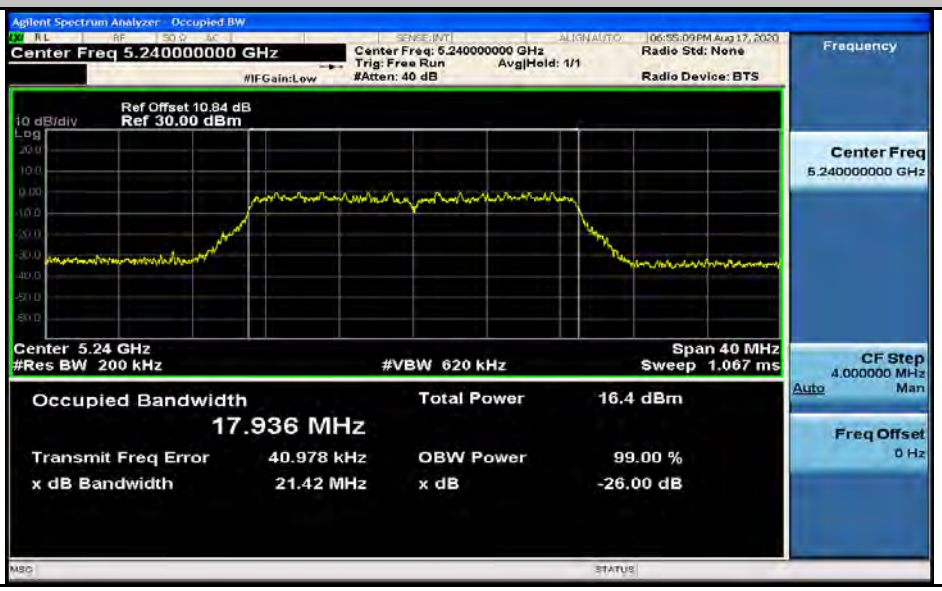
Occupied Bandwidth Measurement_11N20_5180_Ant1



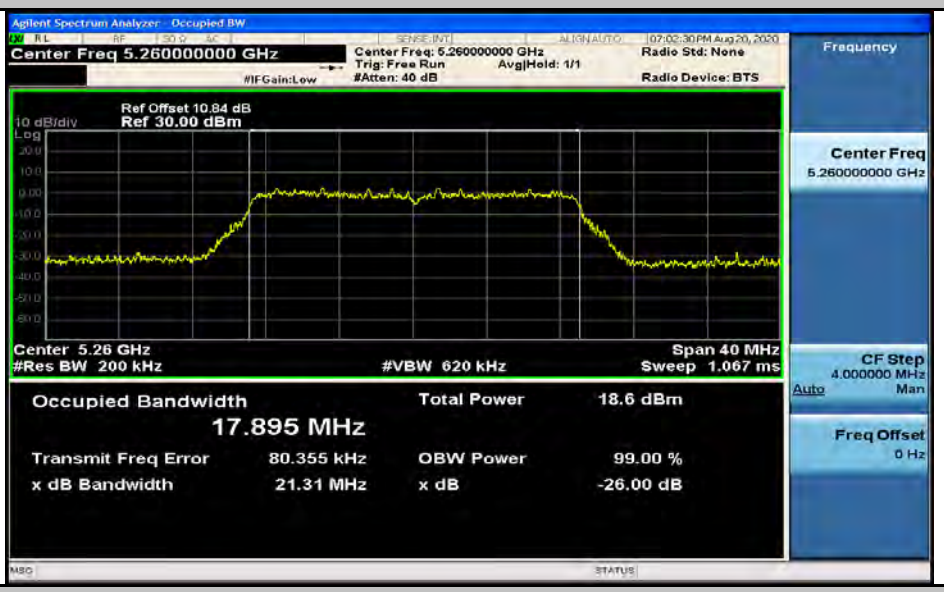
Occupied Bandwidth Measurement_11N20_5220_Ant1



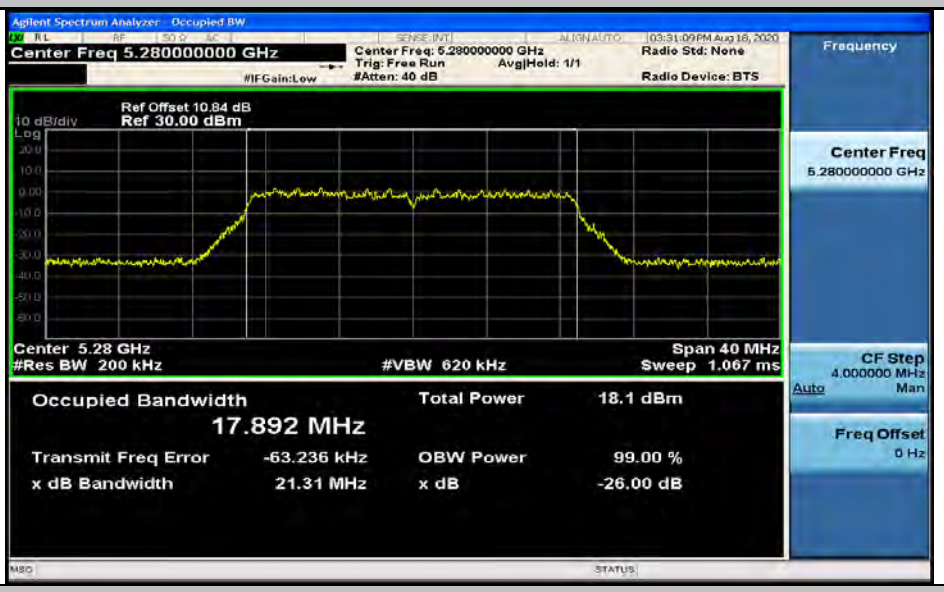
Occupied Bandwidth Measurement_11N20_5240_Ant1



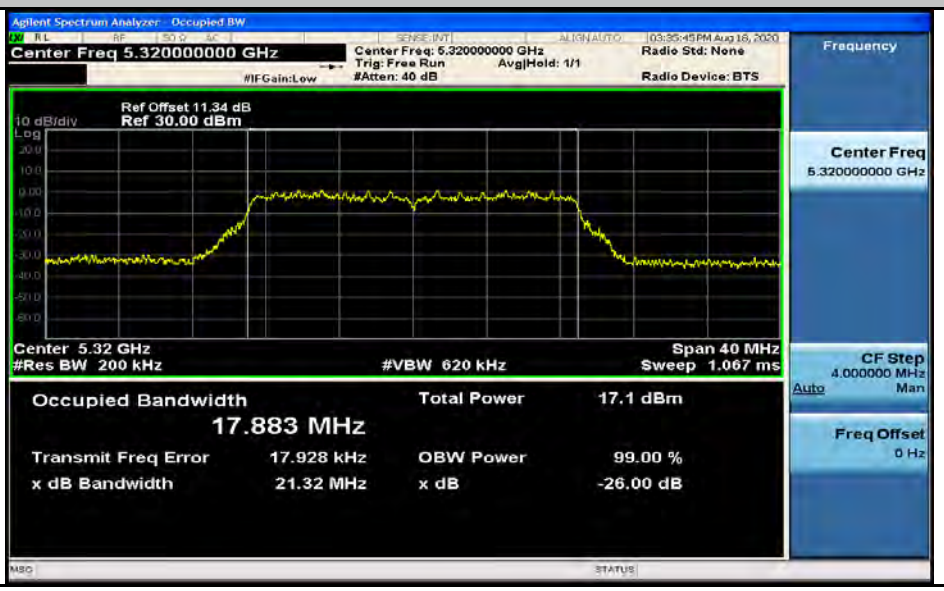
Occupied Bandwidth Measurement_11N20_5260_Ant1



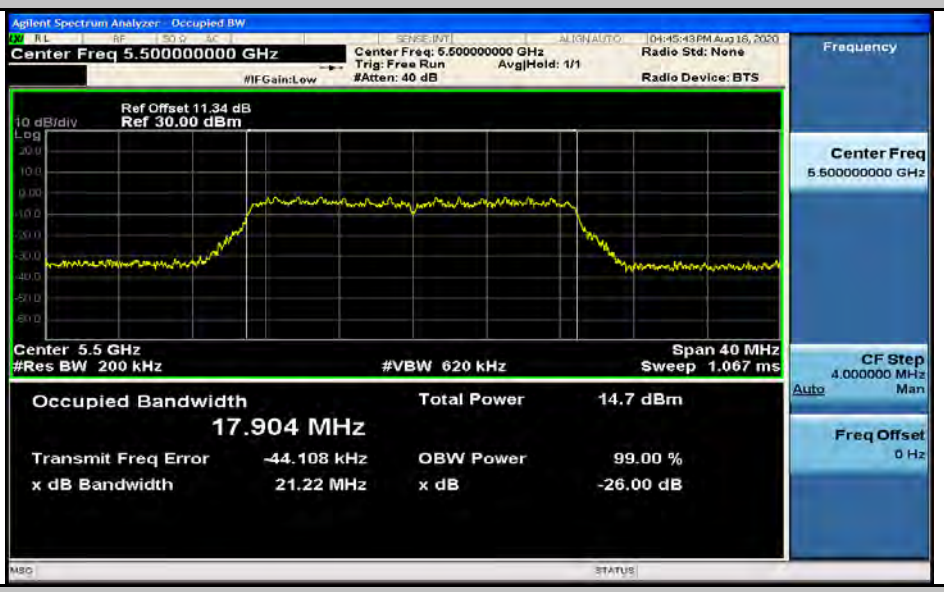
Occupied Bandwidth Measurement_11N20_5280_Ant1



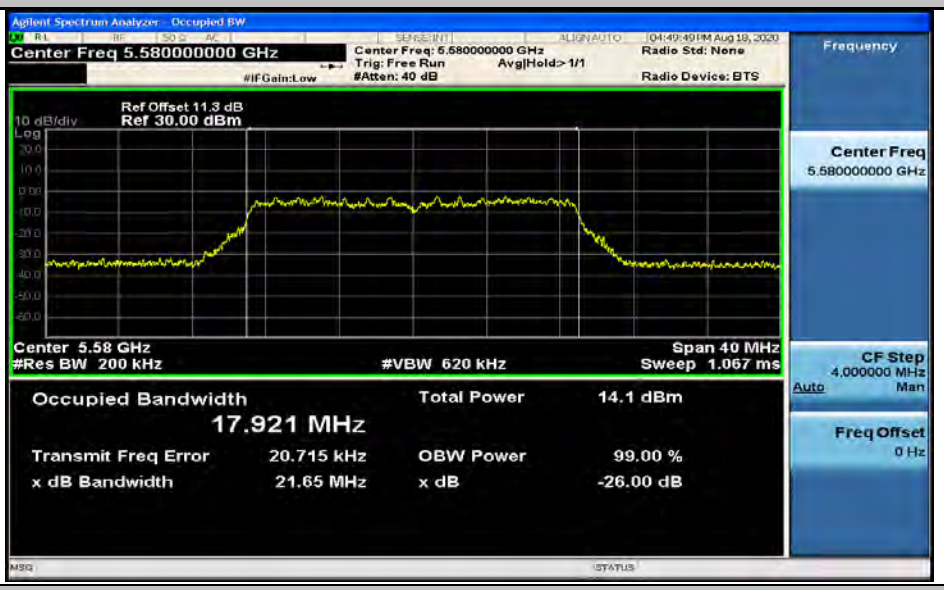
Occupied Bandwidth Measurement_11N20_5320_Ant1



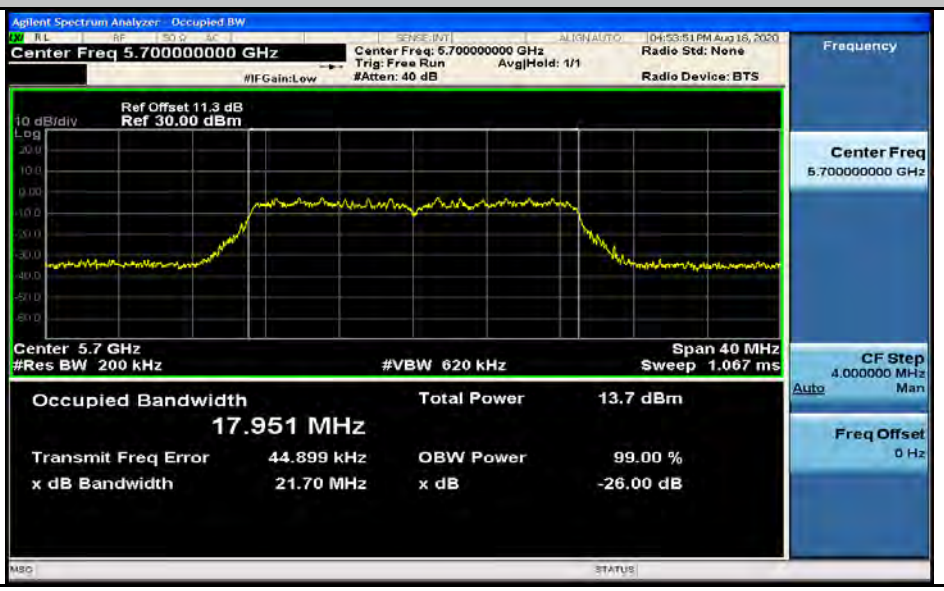
Occupied Bandwidth Measurement_11N20_5500_Ant1



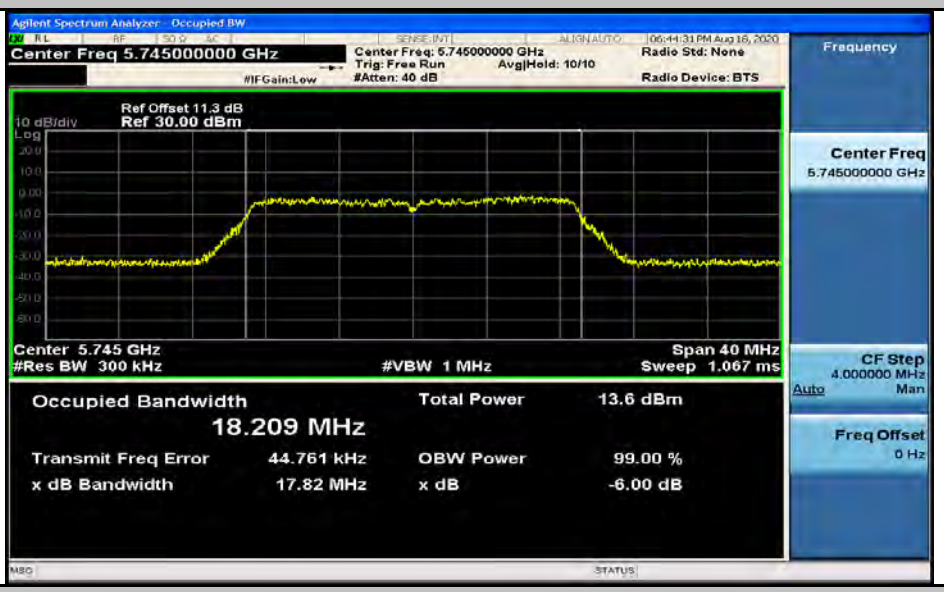
Occupied Bandwidth Measurement_11N20_5580_Ant1



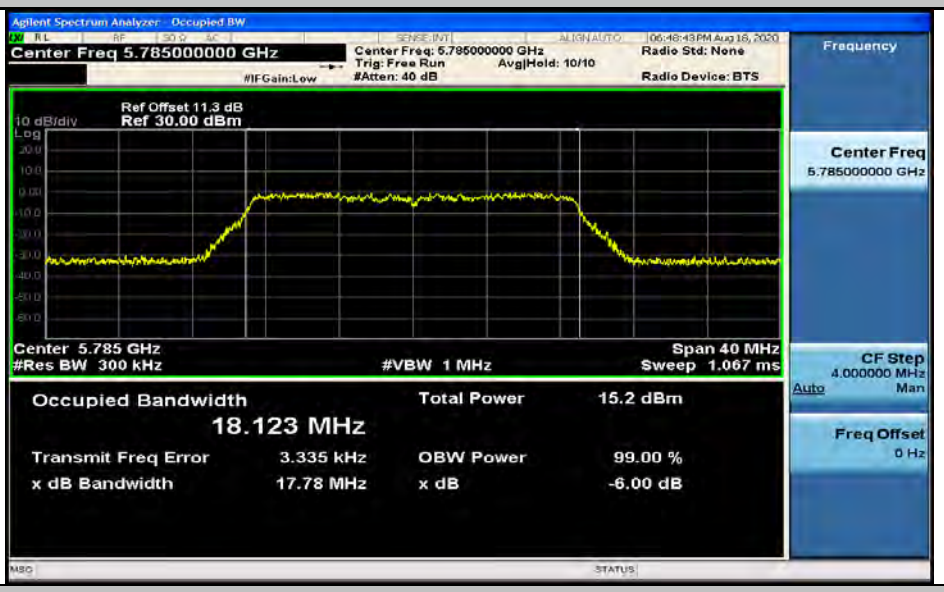
Occupied Bandwidth Measurement_11N20_5700_Ant1



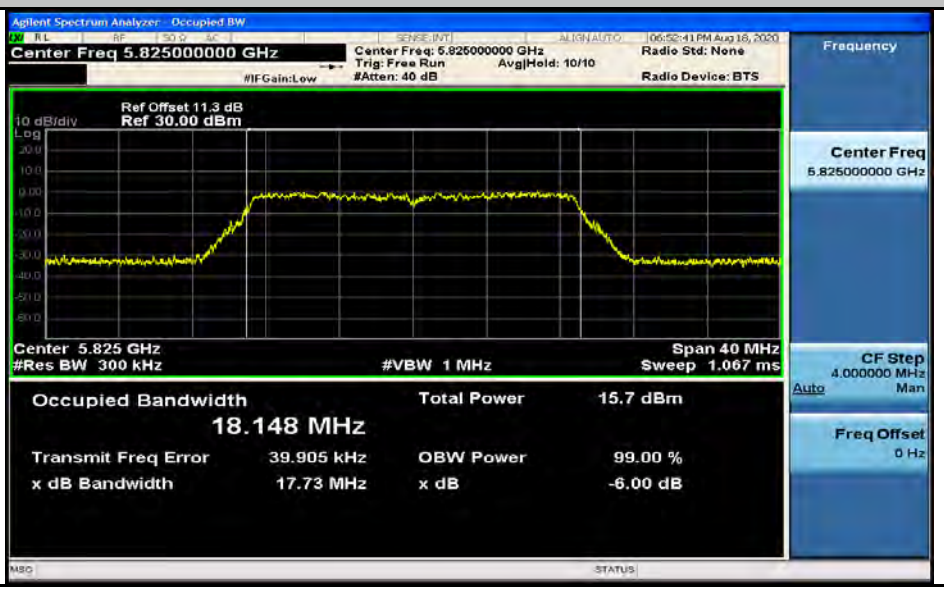
Occupied Bandwidth Measurement_11N20_5745_Ant1



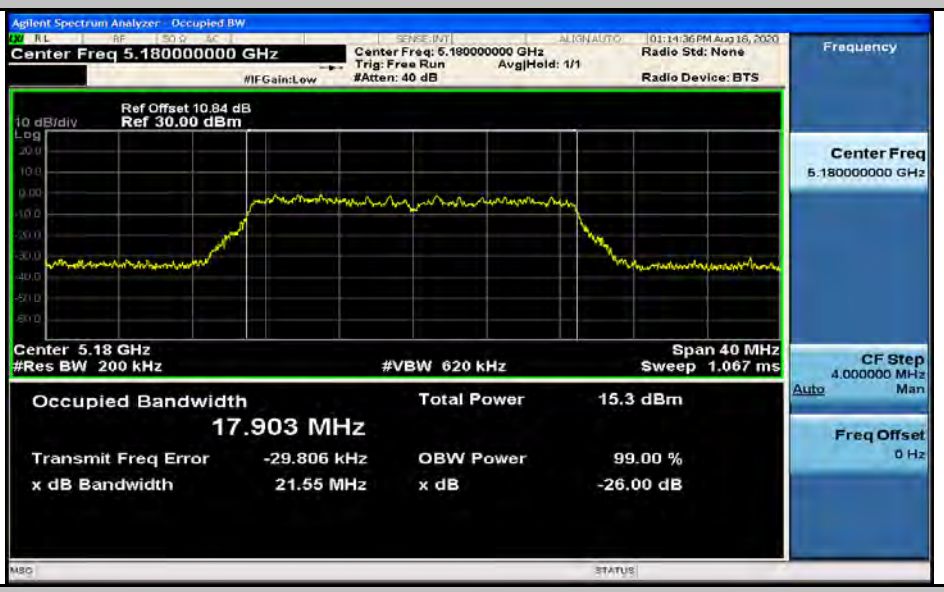
Occupied Bandwidth Measurement_11N20_5785_Ant1



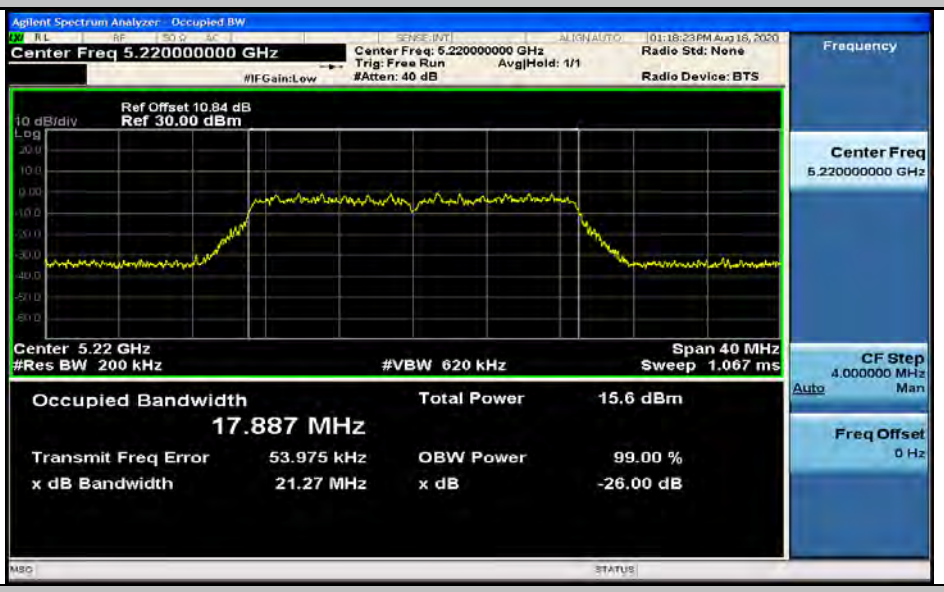
Occupied Bandwidth Measurement_11N20_5825_Ant1



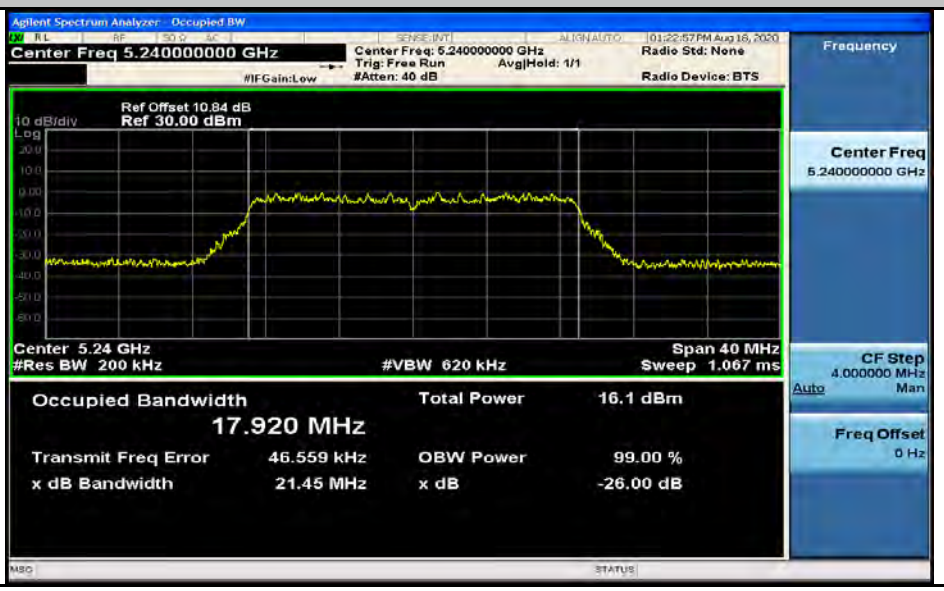
Occupied Bandwidth Measurement_11AC20_5180_Ant1



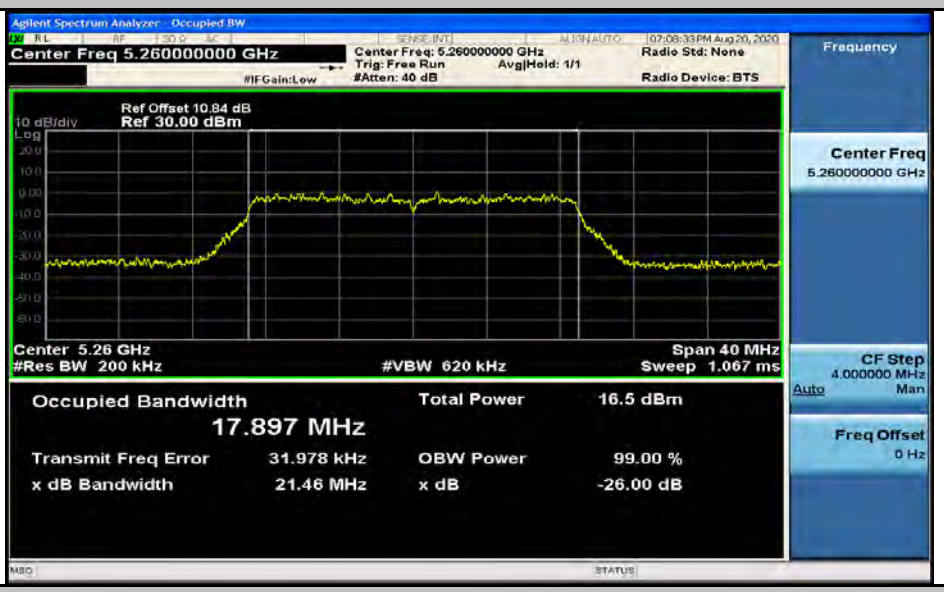
Occupied Bandwidth Measurement_11AC20_5220_Ant1



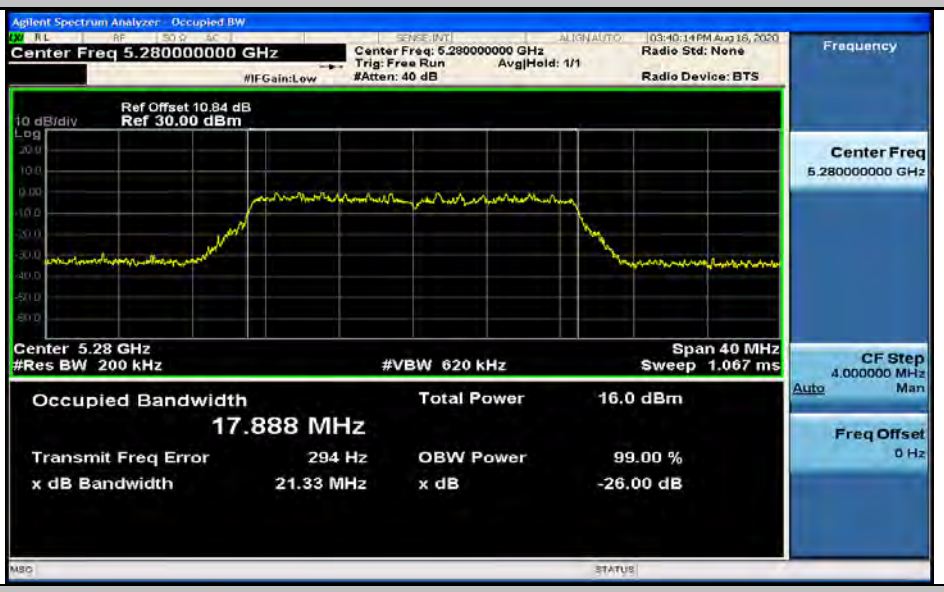
Occupied Bandwidth Measurement_11AC20_5240_Ant1



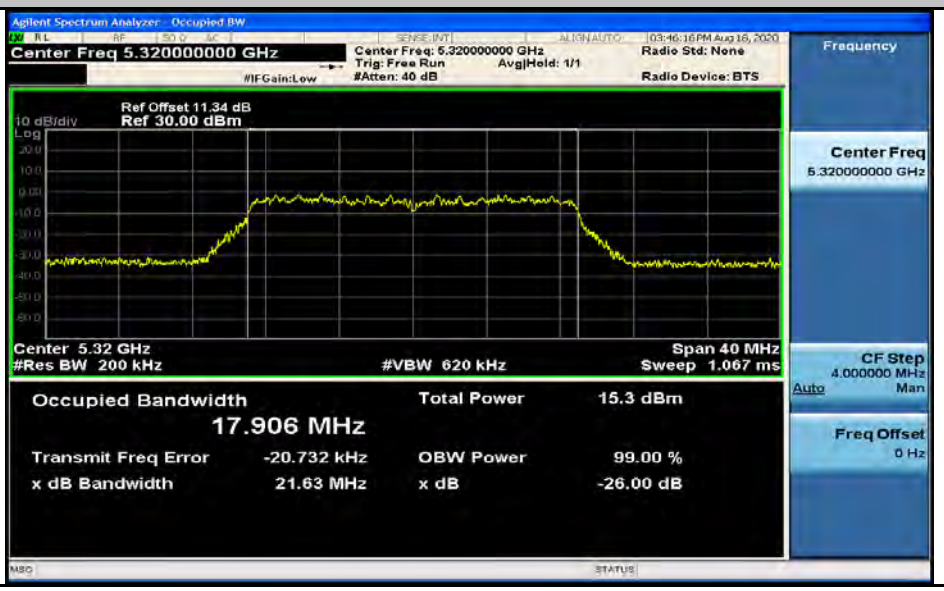
Occupied Bandwidth Measurement_11AC20_5260_Ant1



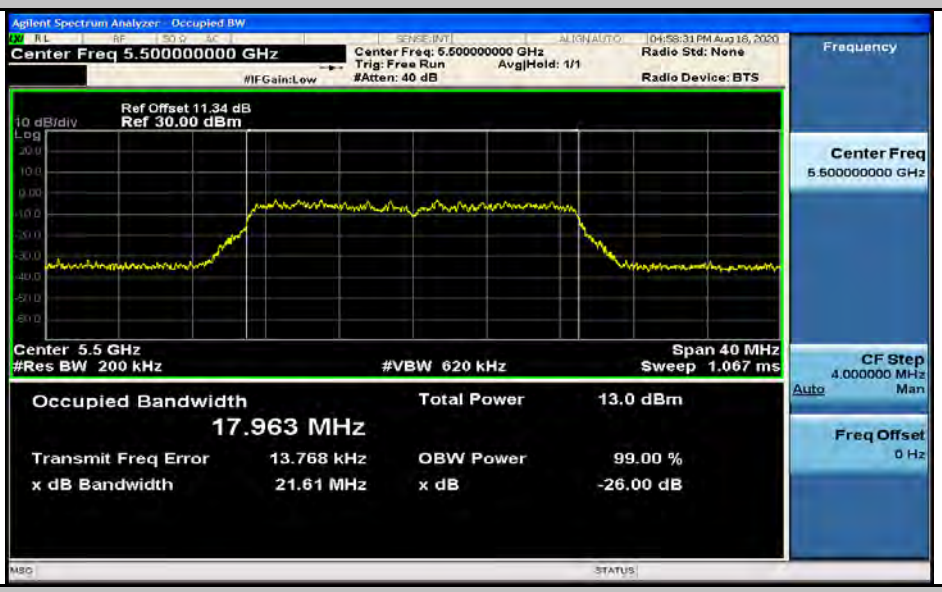
Occupied Bandwidth Measurement_11AC20_5280_Ant1



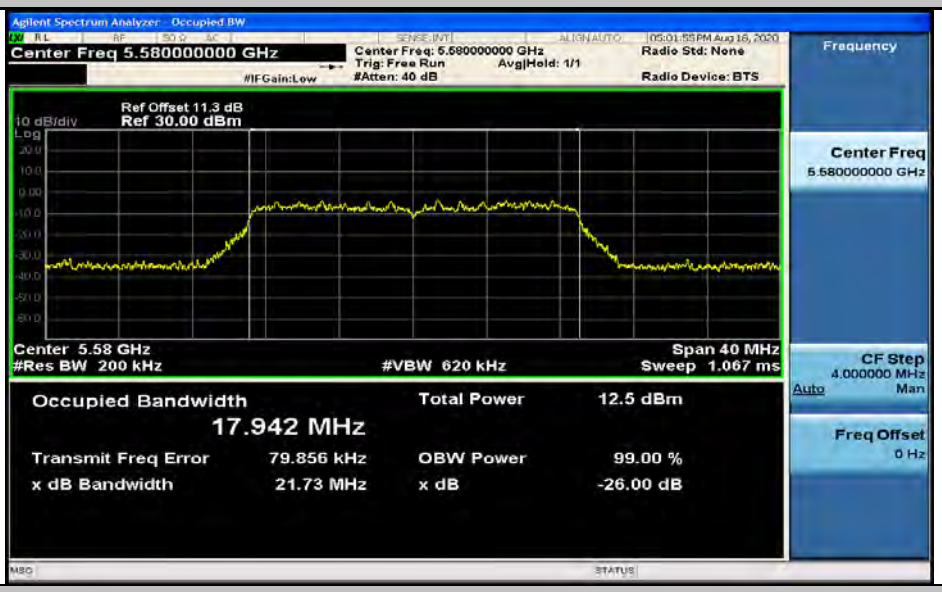
Occupied Bandwidth Measurement_11AC20_5320_Ant1



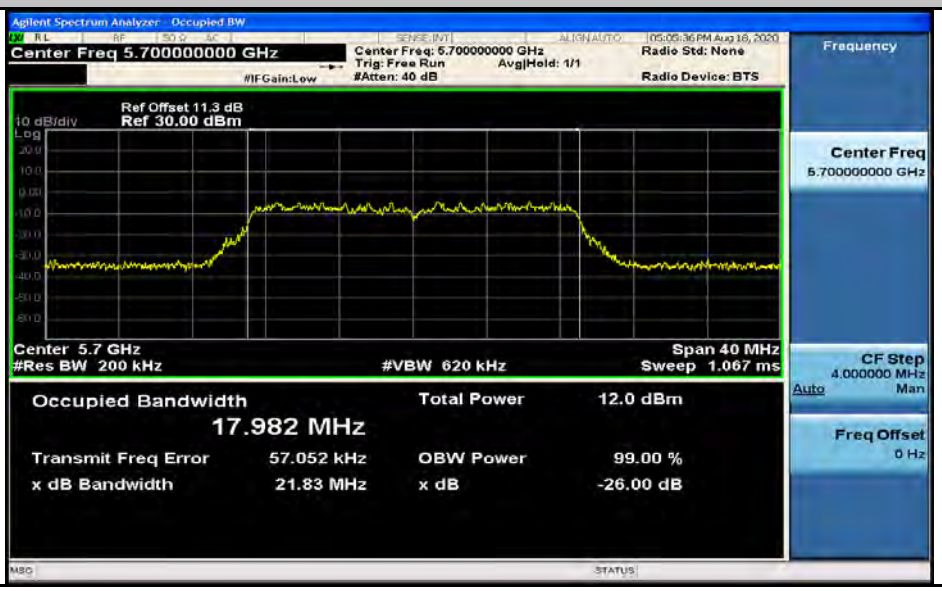
Occupied Bandwidth Measurement_11AC20_5500_Ant1



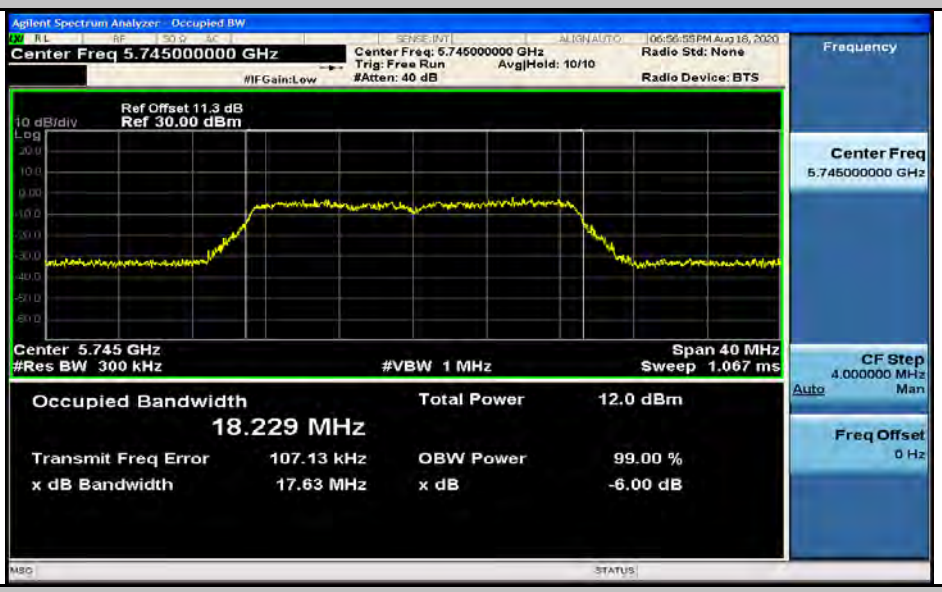
Occupied Bandwidth Measurement_11AC20_5580_Ant1



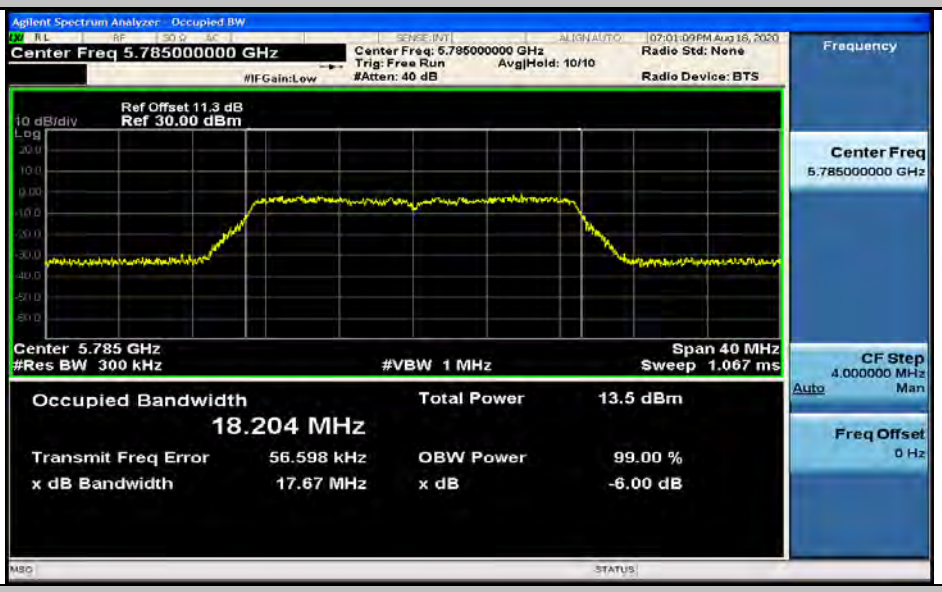
Occupied Bandwidth Measurement_11AC20_5700_Ant1



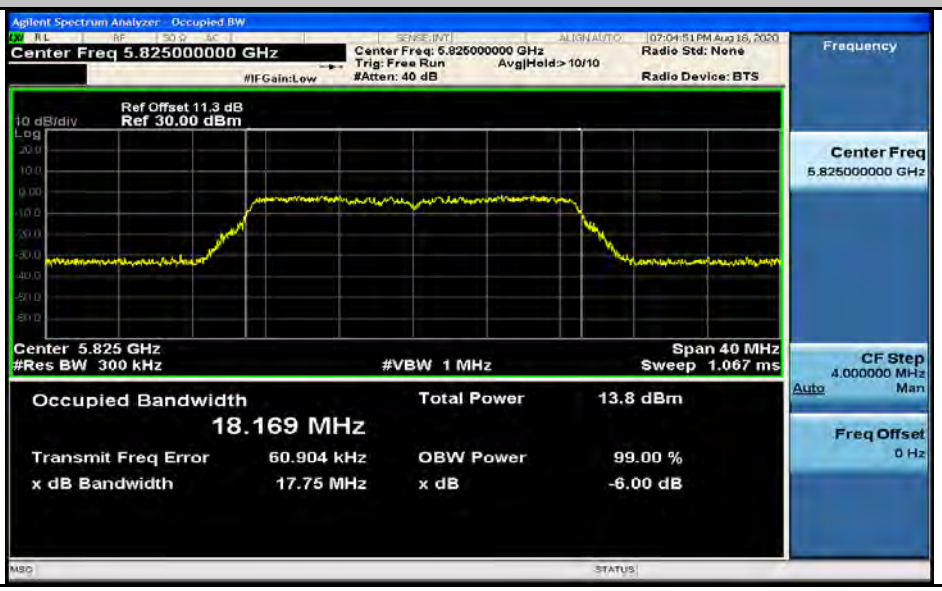
Occupied Bandwidth Measurement_11AC20_5745_Ant1



Occupied Bandwidth Measurement_11AC20_5785_Ant1



Occupied Bandwidth Measurement_11AC20_5825_Ant1



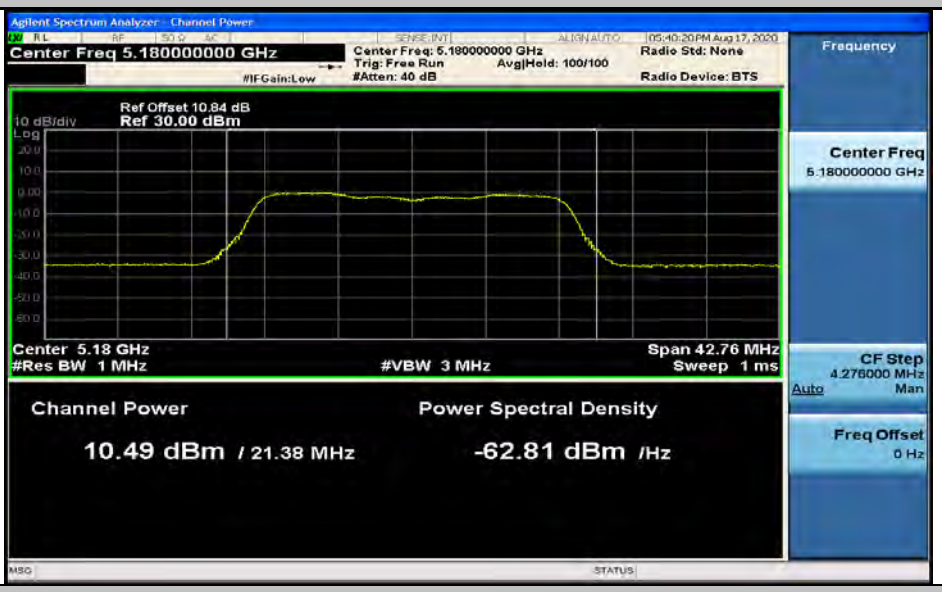
4.Maximum Conduct Output Power For FCC

Test Mode	Test Channel	Ant	Level [dBm]	10log(1/x) Factor [dB]	Power [dBm]	Limit [dBm]	Verdict
11A	5180	Ant1	10.49	0.65	11.14	23.98	PASS
11A	5220	Ant1	9.86	0.61	10.47	23.98	PASS
11A	5240	Ant1	9.68	0.65	10.33	23.98	PASS
11A	5260	Ant1	12.18	0.64	12.82	23.98	PASS
11A	5280	Ant1	11.66	0.65	12.31	23.98	PASS
11A	5320	Ant1	10.95	0.65	11.6	23.98	PASS
11A	5500	Ant1	8.49	0.65	9.14	23.98	PASS
11A	5580	Ant1	8.33	0.65	8.98	23.98	PASS
11A	5700	Ant1	7.66	0.65	8.31	23.98	PASS
11A	5745	Ant1	7.91	0.61	8.52	30.00	PASS
11A	5785	Ant1	9.54	0.61	10.15	30.00	PASS
11A	5825	Ant1	10.03	0.65	10.68	30.00	PASS
11N20	5180	Ant1	9.52	0.65	10.17	23.98	PASS
11N20	5220	Ant1	9.55	0.65	10.2	23.98	PASS
11N20	5240	Ant1	9.45	0.65	10.1	23.98	PASS
11N20	5260	Ant1	11.36	0.64	12	23.98	PASS
11N20	5280	Ant1	10.87	0.65	11.52	23.98	PASS
11N20	5320	Ant1	10.22	0.65	10.87	23.98	PASS
11N20	5500	Ant1	7.58	0.65	8.23	23.98	PASS
11N20	5580	Ant1	7.02	0.65	7.67	23.98	PASS
11N20	5700	Ant1	6.51	0.65	7.16	23.98	PASS
11N20	5745	Ant1	6.76	0.61	7.37	30.00	PASS
11N20	5785	Ant1	8.59	0.65	9.24	30.00	PASS
11N20	5825	Ant1	9.12	0.65	9.77	30.00	PASS
11AC20	5180	Ant1	8.45	0.65	9.1	23.98	PASS
11AC20	5220	Ant1	8.42	0.65	9.07	23.98	PASS
11AC20	5240	Ant1	8.83	0.65	9.48	23.98	PASS
11AC20	5260	Ant1	9.42	0.64	10.06	23.98	PASS
11AC20	5280	Ant1	8.96	0.65	9.61	23.98	PASS
11AC20	5320	Ant1	8.17	0.65	8.82	23.98	PASS
11AC20	5500	Ant1	6.04	0.65	6.69	23.98	PASS
11AC20	5580	Ant1	5.5	0.65	6.15	23.98	PASS
11AC20	5700	Ant1	4.79	0.65	5.44	23.98	PASS
11AC20	5745	Ant1	5.16	0.65	5.81	30.00	PASS
11AC20	5785	Ant1	6.72	0.65	7.37	30.00	PASS
11AC20	5825	Ant1	7.04	0.65	7.69	30.00	PASS

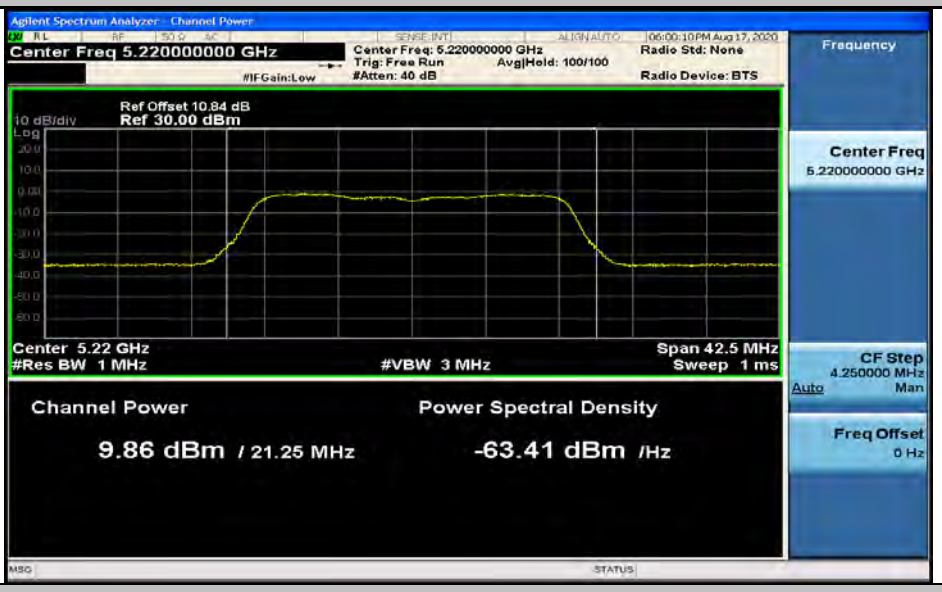
5.Maximum Conduct Output Power For IC

Test Mode	Test Channel	Ant	Level [dBm]	10log(1/x) Factor [dB]	Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	5180	Ant1	10.49	0.65	11.14	14.82	23.01	PASS
11A	5220	Ant1	9.86	0.61	10.47	14.15	23.01	PASS
11A	5240	Ant1	9.68	0.65	10.33	14.01	23.01	PASS
11A	5260	Ant1	12.18	0.64	12.82	N/A	23.98	PASS
11A	5280	Ant1	11.66	0.65	12.31	N/A	23.98	PASS
11A	5320	Ant1	10.95	0.65	11.6	N/A	23.98	PASS
11A	5500	Ant1	8.49	0.65	9.14	N/A	23.98	PASS
11A	5580	Ant1	8.33	0.65	8.98	N/A	23.98	PASS
11A	5700	Ant1	7.66	0.65	8.31	N/A	23.98	PASS
11A	5745	Ant1	7.91	0.61	8.52	N/A	30.00	PASS
11A	5785	Ant1	9.54	0.61	10.15	N/A	30.00	PASS
11A	5825	Ant1	10.03	0.65	10.68	N/A	30.00	PASS
11N20	5180	Ant1	9.52	0.65	10.17	13.85	23.01	PASS
11N20	5220	Ant1	9.55	0.65	10.2	13.88	23.01	PASS
11N20	5240	Ant1	9.45	0.65	10.1	13.78	23.01	PASS
11N20	5260	Ant1	11.36	0.64	12	N/A	23.98	PASS
11N20	5280	Ant1	10.87	0.65	11.52	N/A	23.98	PASS
11N20	5320	Ant1	10.22	0.65	10.87	N/A	23.98	PASS
11N20	5500	Ant1	7.58	0.65	8.23	N/A	23.98	PASS
11N20	5580	Ant1	7.02	0.65	7.67	N/A	23.98	PASS
11N20	5700	Ant1	6.51	0.65	7.16	N/A	23.98	PASS
11N20	5745	Ant1	6.76	0.61	7.37	N/A	30.00	PASS
11N20	5785	Ant1	8.59	0.65	9.24	N/A	30.00	PASS
11N20	5825	Ant1	9.12	0.65	9.77	N/A	30.00	PASS
11AC20	5180	Ant1	8.45	0.65	9.1	12.78	23.01	PASS
11AC20	5220	Ant1	8.42	0.65	9.07	12.75	23.01	PASS
11AC20	5240	Ant1	8.83	0.65	9.48	13.16	23.01	PASS
11AC20	5260	Ant1	9.42	0.64	10.06	N/A	23.98	PASS
11AC20	5280	Ant1	8.96	0.65	9.61	N/A	23.98	PASS
11AC20	5320	Ant1	8.17	0.65	8.82	N/A	23.98	PASS
11AC20	5500	Ant1	6.04	0.65	6.69	N/A	23.98	PASS
11AC20	5580	Ant1	5.5	0.65	6.15	N/A	23.98	PASS
11AC20	5700	Ant1	4.79	0.65	5.44	N/A	23.98	PASS
11AC20	5745	Ant1	5.16	0.65	5.81	N/A	30.00	PASS
11AC20	5785	Ant1	6.72	0.65	7.37	N/A	30.00	PASS
11AC20	5825	Ant1	7.04	0.65	7.69	N/A	30.00	PASS

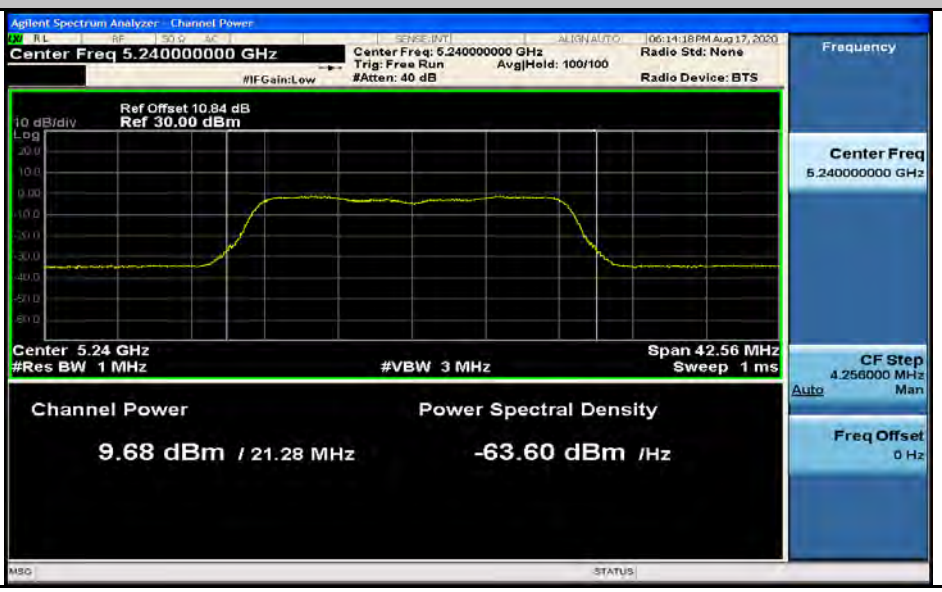
Maximum Conduct Output Power_11A_5180_Ant1



Maximum Conduct Output Power_11A_5220_Ant1

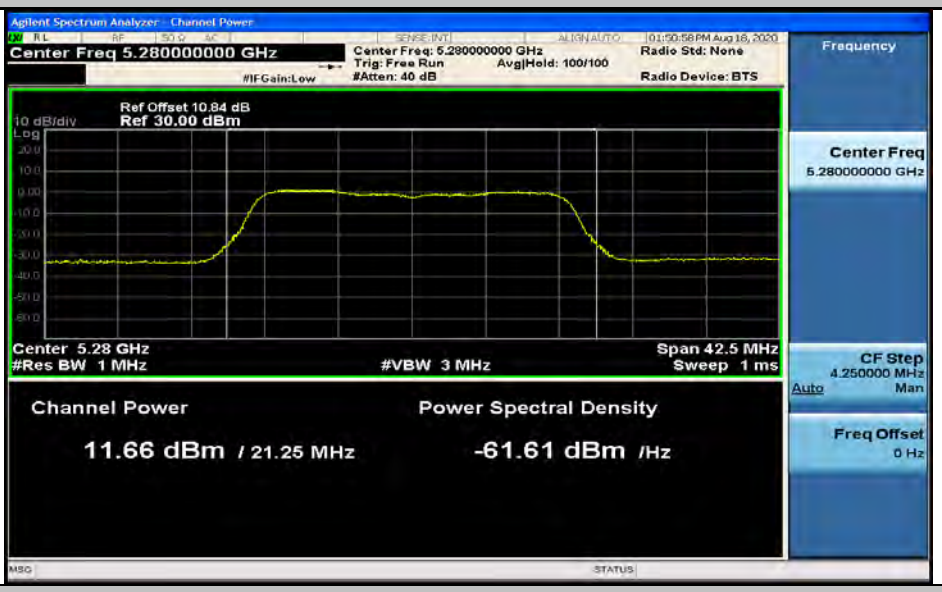


Maximum Conduct Output Power_11A_5240_Ant1

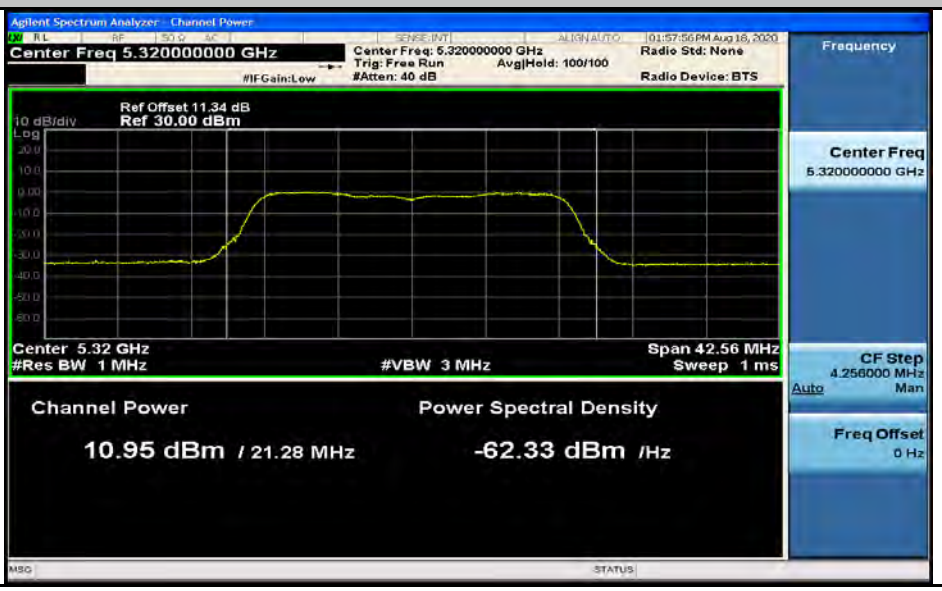


Maximum Conduct Output Power_11A_5260_Ant1

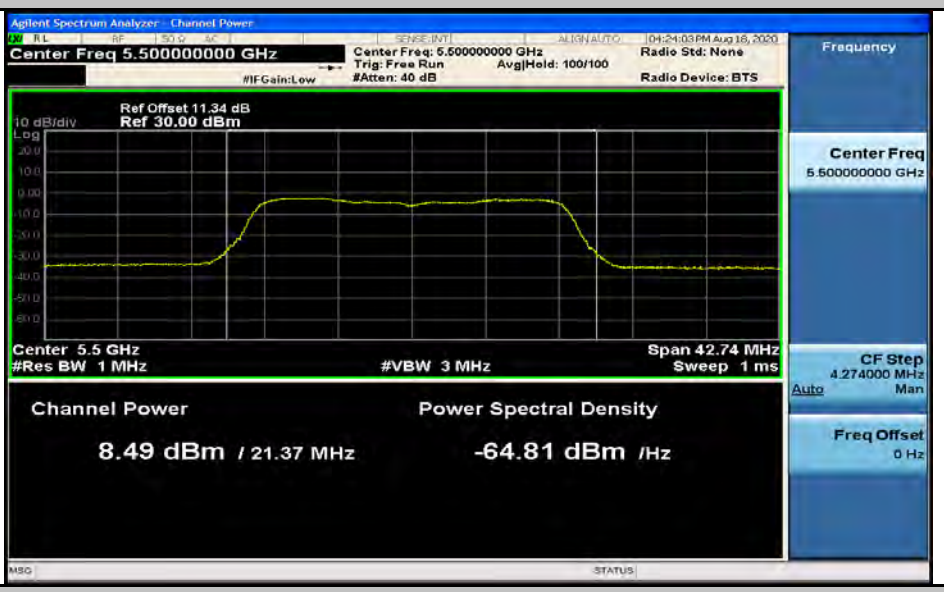
Maximum Conduct Output Power_11A_5280_Ant1



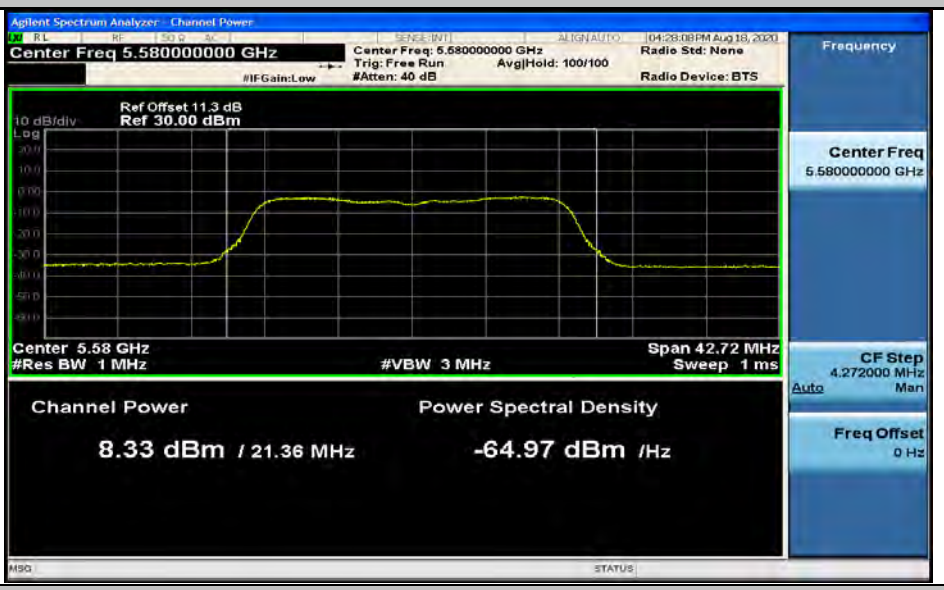
Maximum Conduct Output Power_11A_5320_Ant1



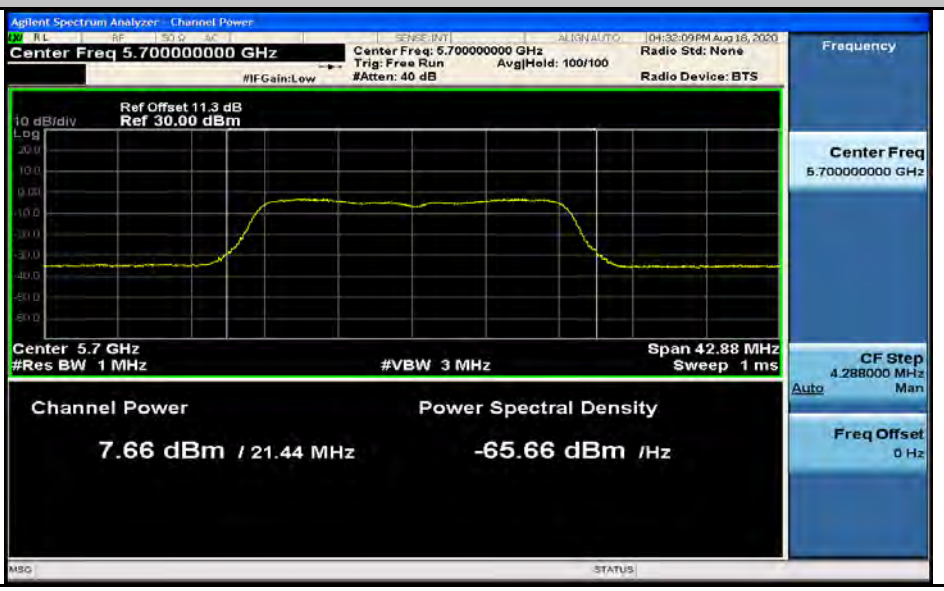
Maximum Conduct Output Power_11A_5500_Ant1



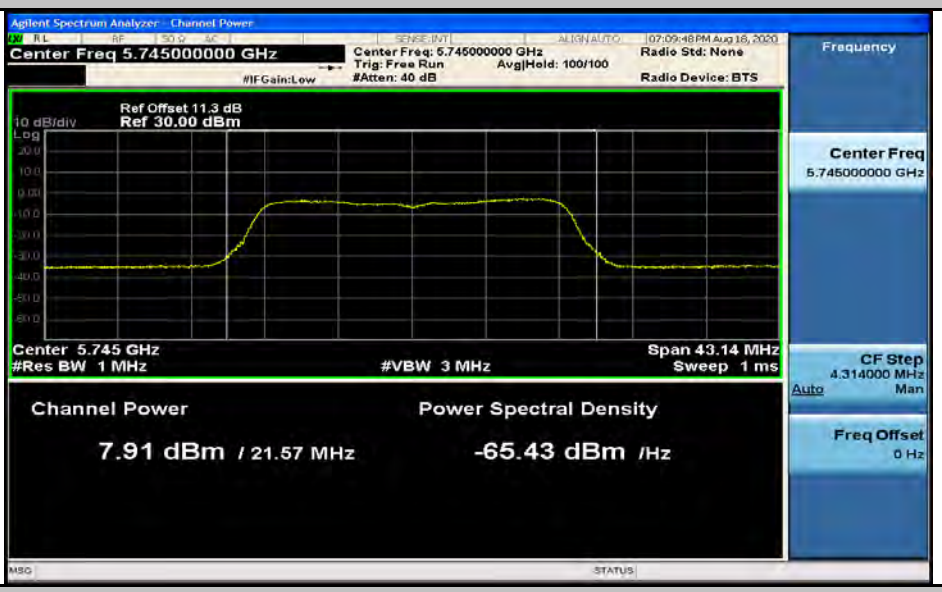
Maximum Conduct Output Power_11A_5600_Ant1



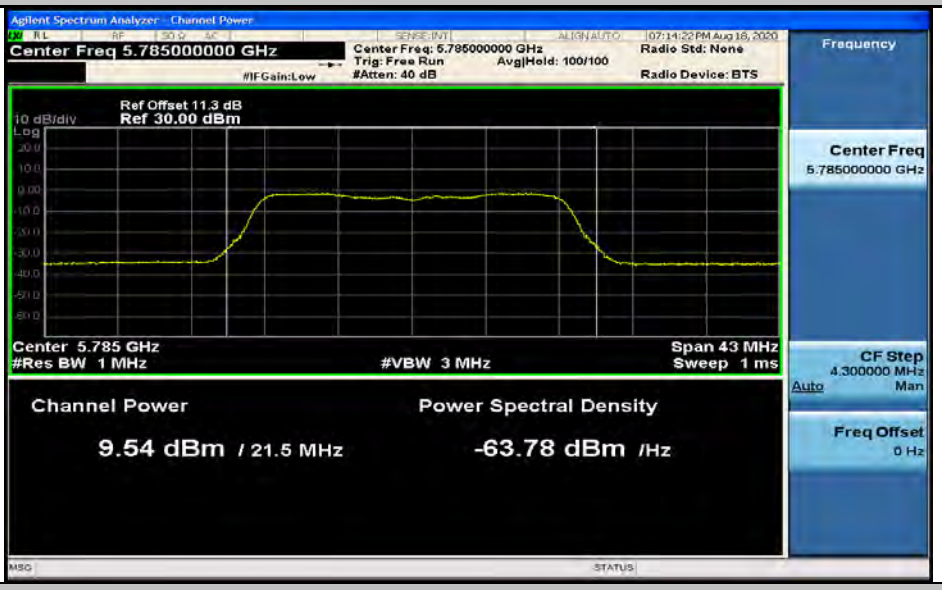
Maximum Conduct Output Power_11A_5700_Ant1



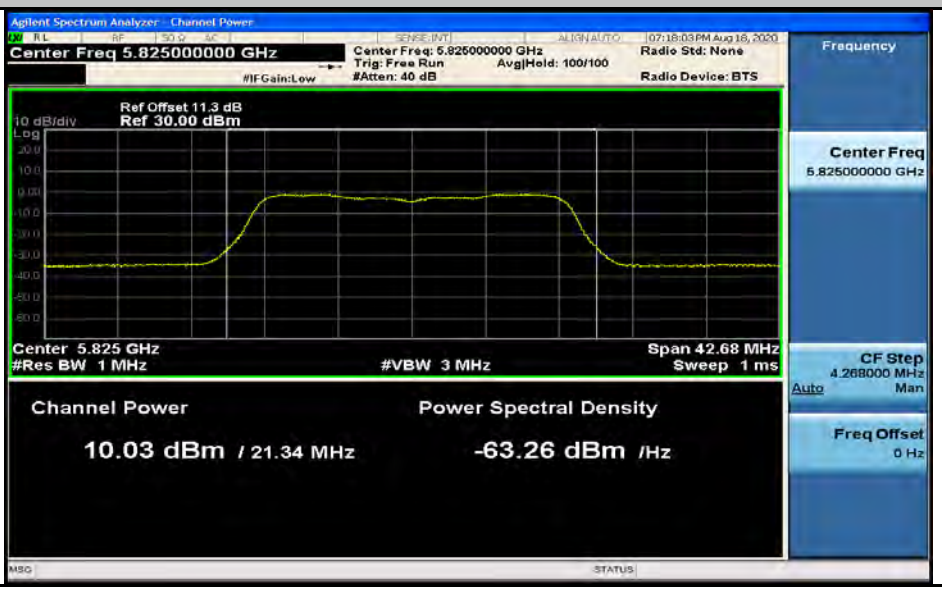
Maximum Conduct Output Power_11A_5745_Ant1



Maximum Conduct Output Power_11A_5785_Ant1

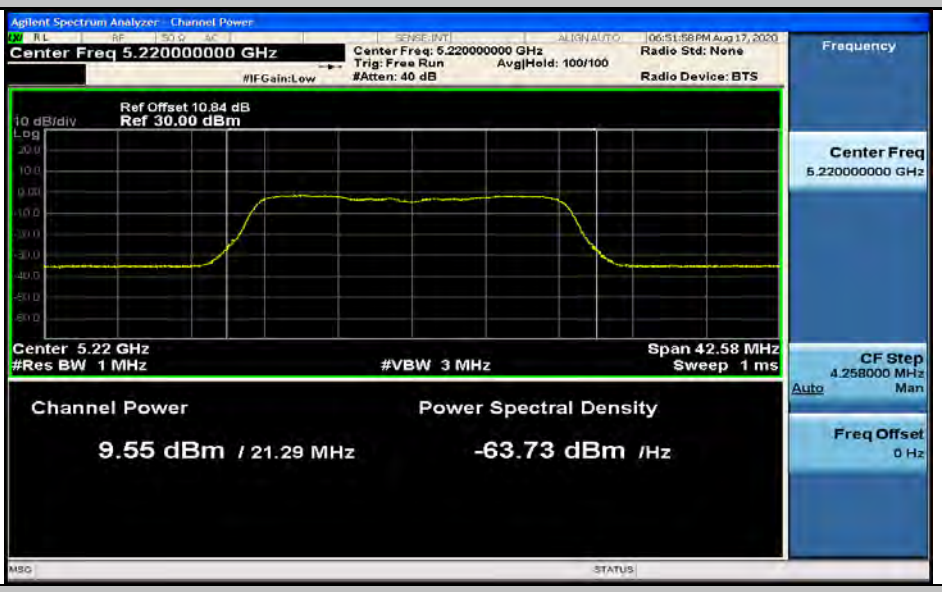


Maximum Conduct Output Power_11A_5825_Ant1

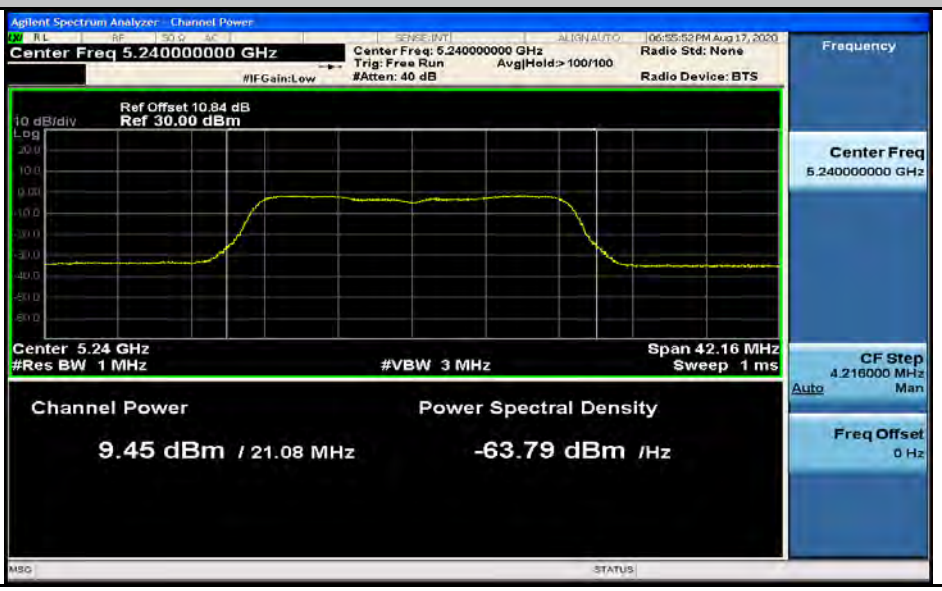


Maximum Conduct Output Power_11N20_5180_Ant1

Maximum Conduct Output Power_11N20_5220_Ant1

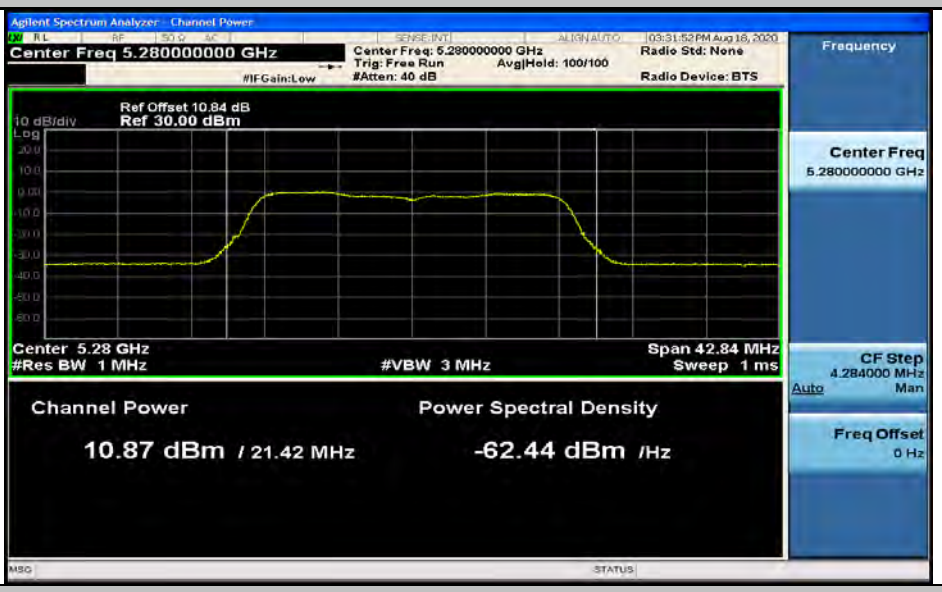


Maximum Conduct Output Power_11N20_5240_Ant1

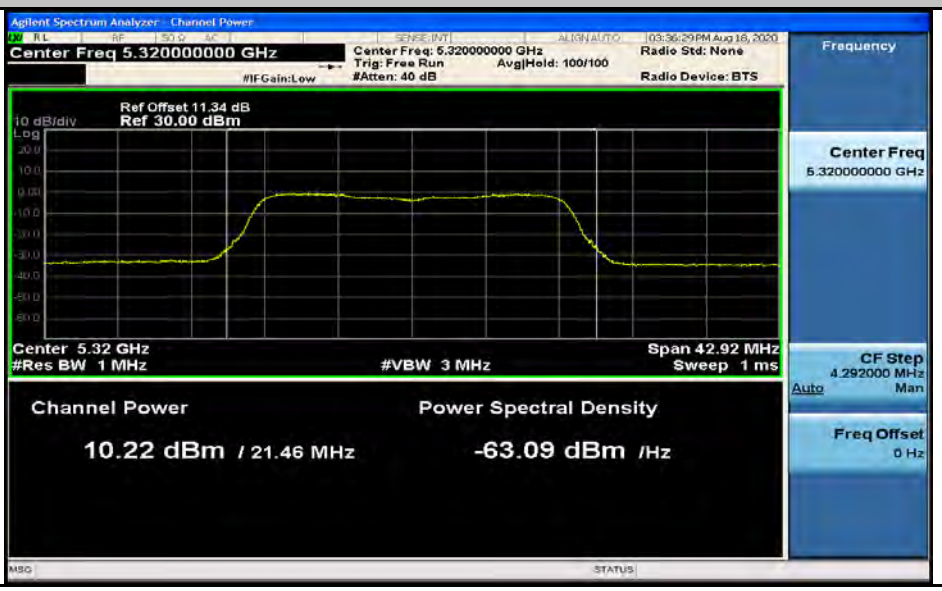


Maximum Conduct Output Power_11N20_5260_Ant1

Maximum Conduct Output Power_11N20_5280_Ant1

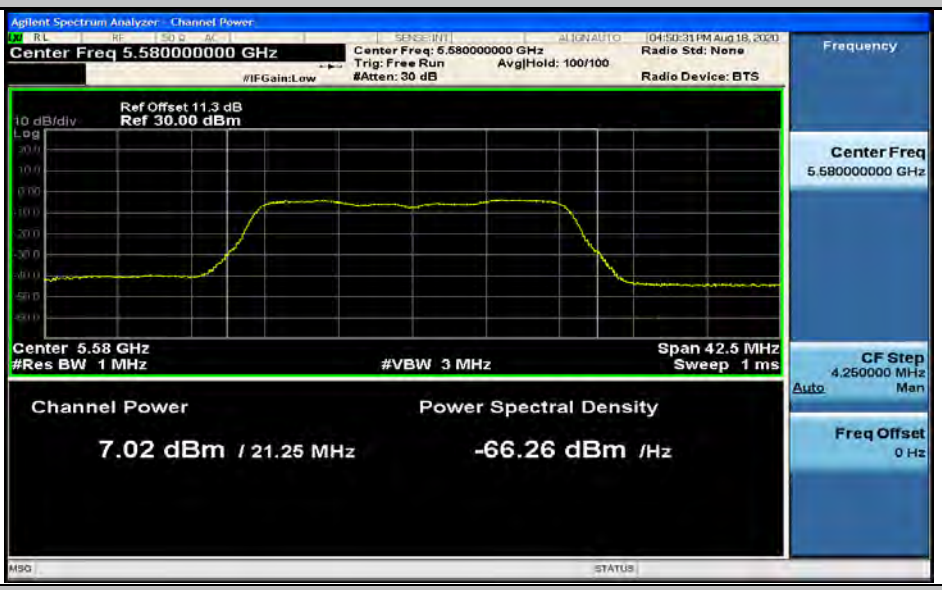


Maximum Conduct Output Power_11N20_5320_Ant1

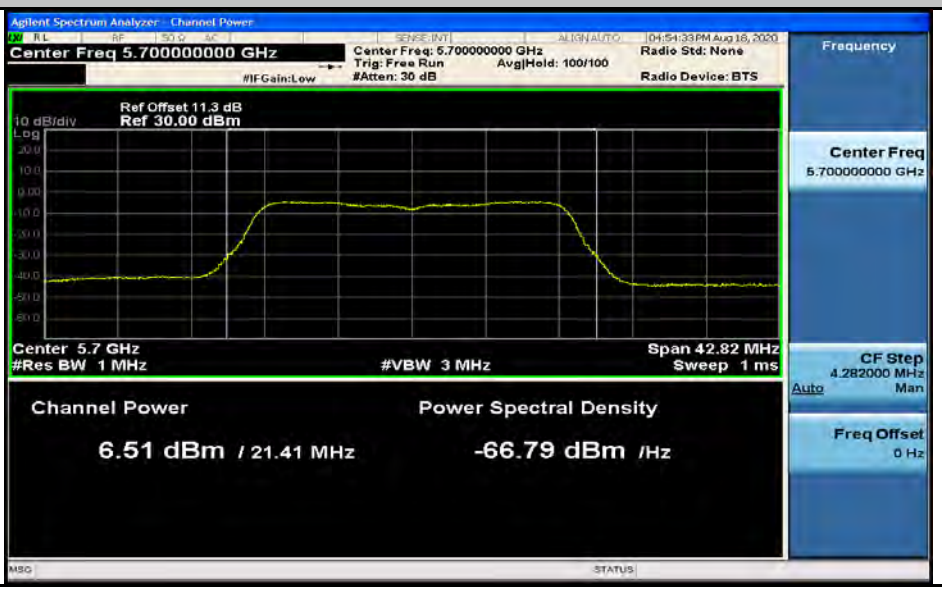


Maximum Conduct Output Power_11N20_5500_Ant1

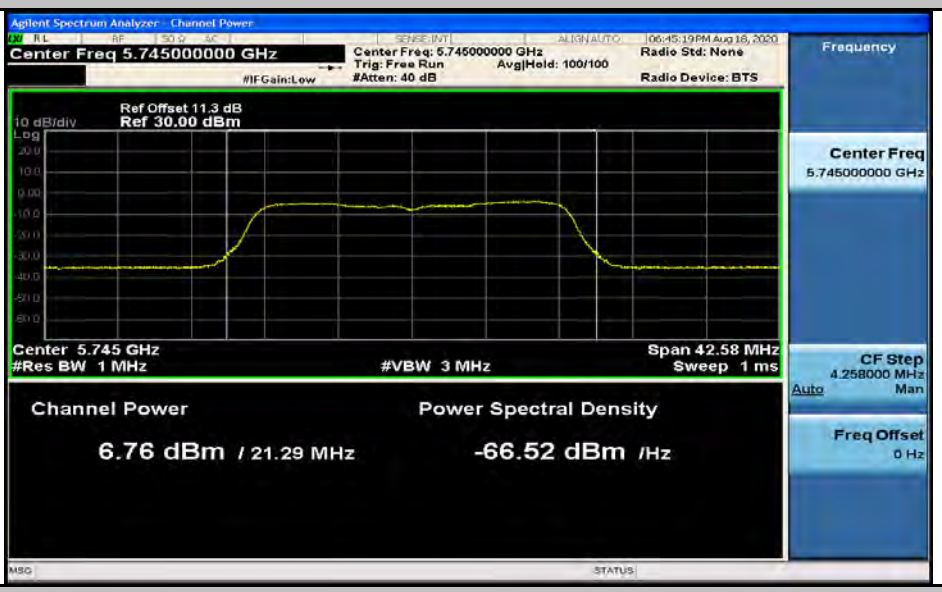
Maximum Conduct Output Power_11N20_5580_Ant1



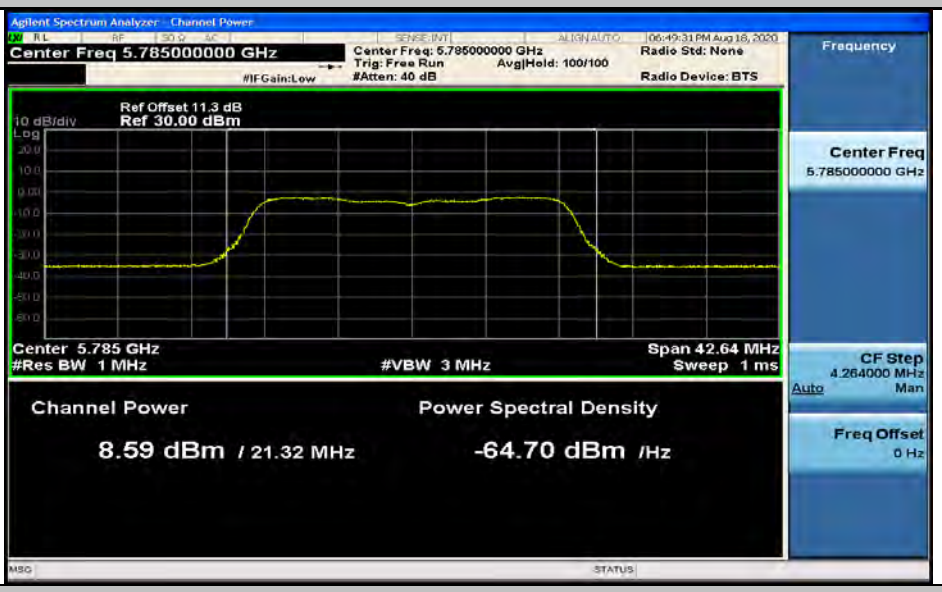
Maximum Conduct Output Power_11N20_5700_Ant1



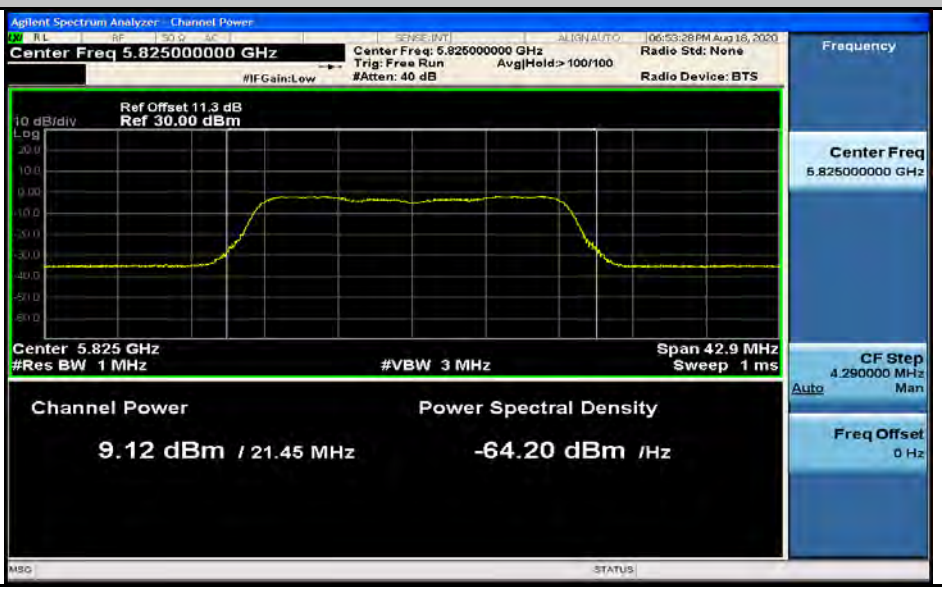
Maximum Conduct Output Power_11N20_5745_Ant1



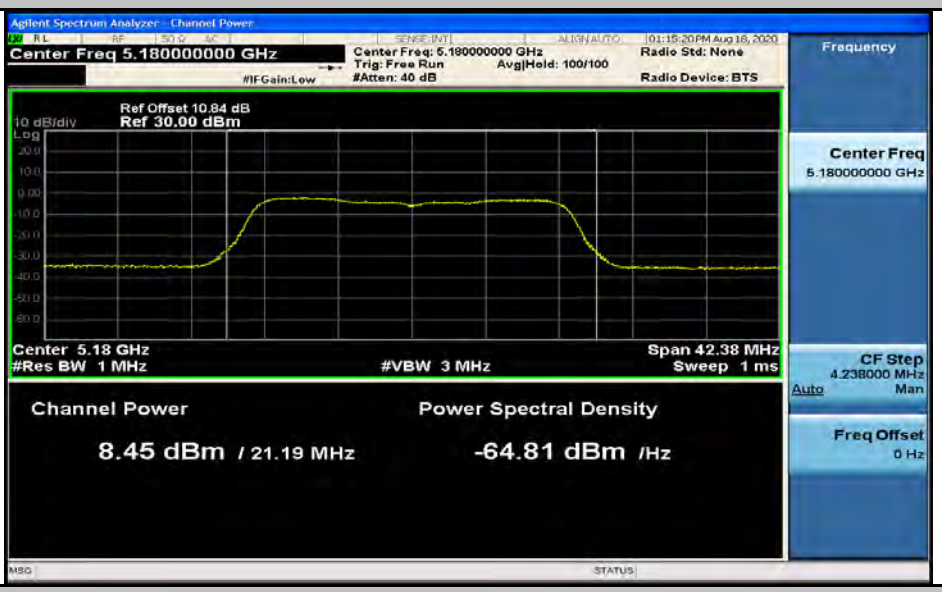
Maximum Conduct Output Power_11N20_5785_Ant1



Maximum Conduct Output Power_11N20_5825_Ant1

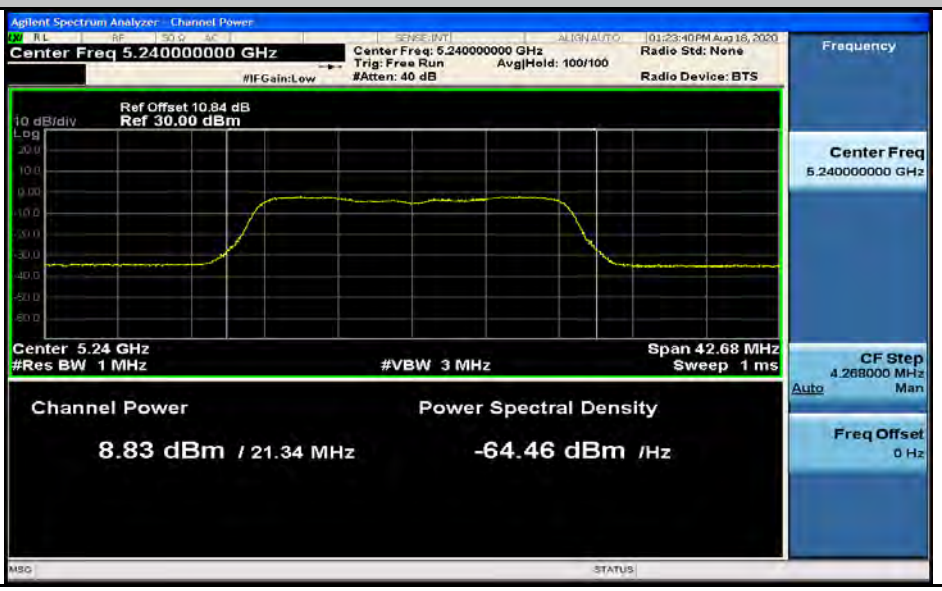


Maximum Conduct Output Power_11AC20_5180_Ant1



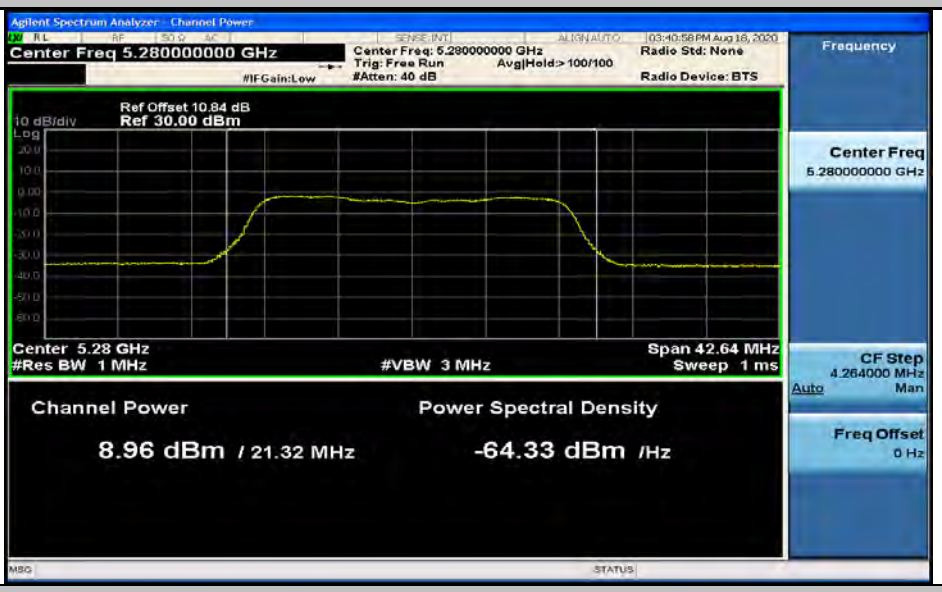
Maximum Conduct Output Power_11AC20_5220_Ant1

Maximum Conduct Output Power_11AC20_5240_Ant1



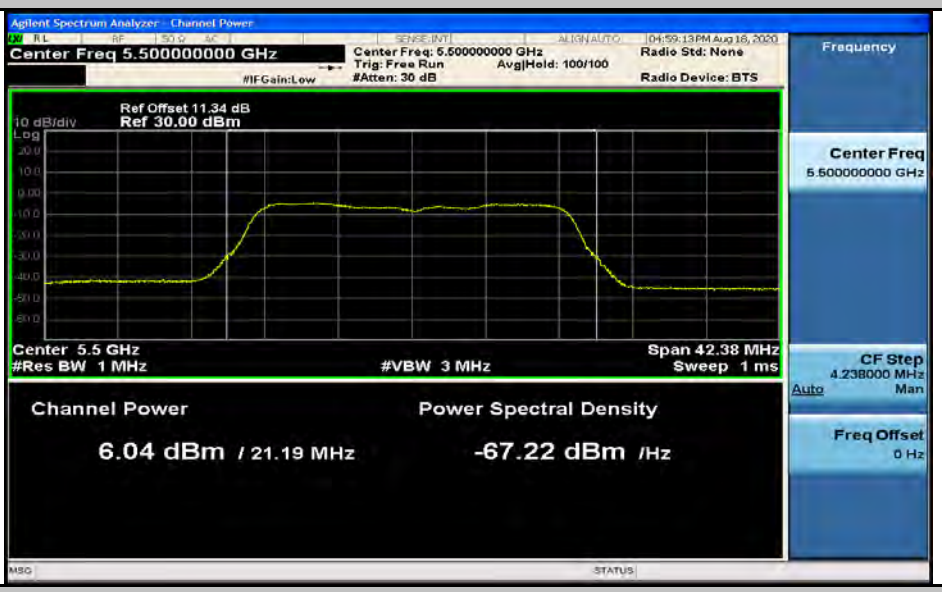
Maximum Conduct Output Power_11AC20_5260_Ant1

Maximum Conduct Output Power_11AC20_5280_Ant1

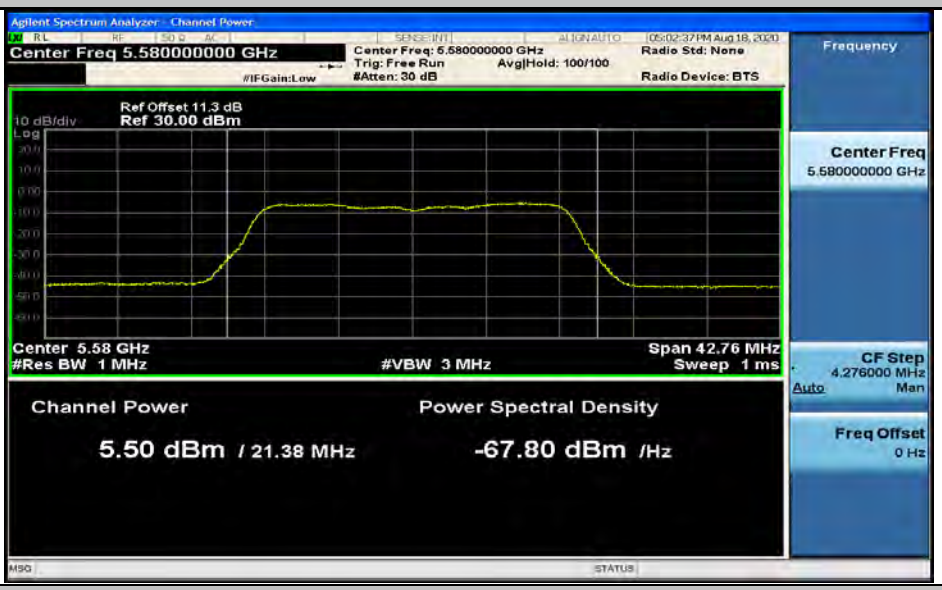


Maximum Conduct Output Power_11AC20_5320_Ant1

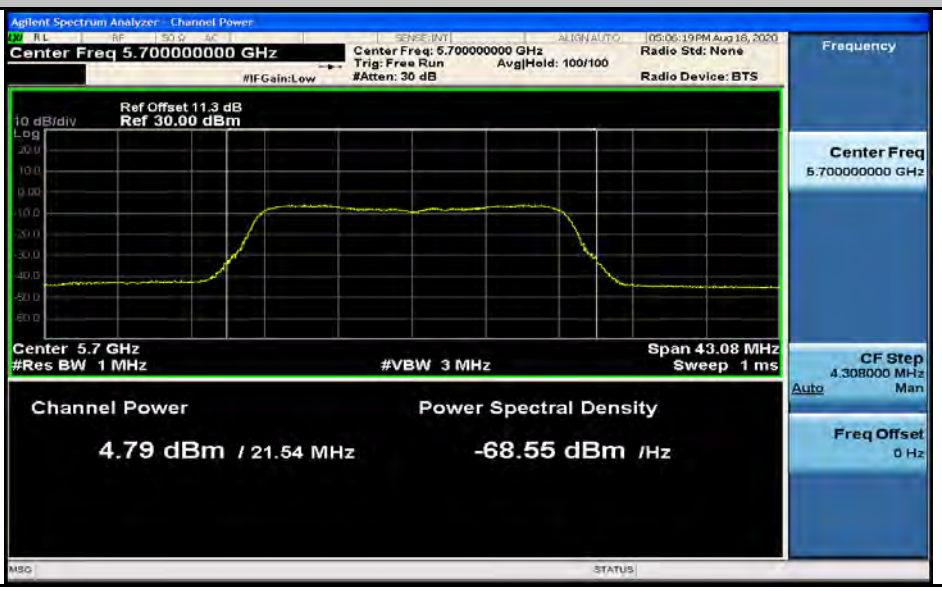
Maximum Conduct Output Power_11AC20_5500_Ant1



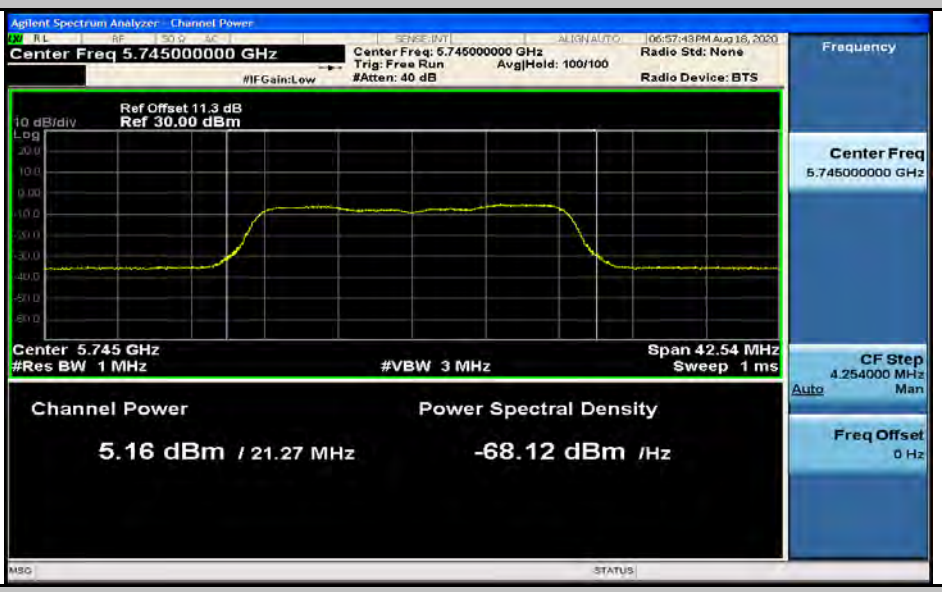
Maximum Conduct Output Power_11AC20_5580_Ant1



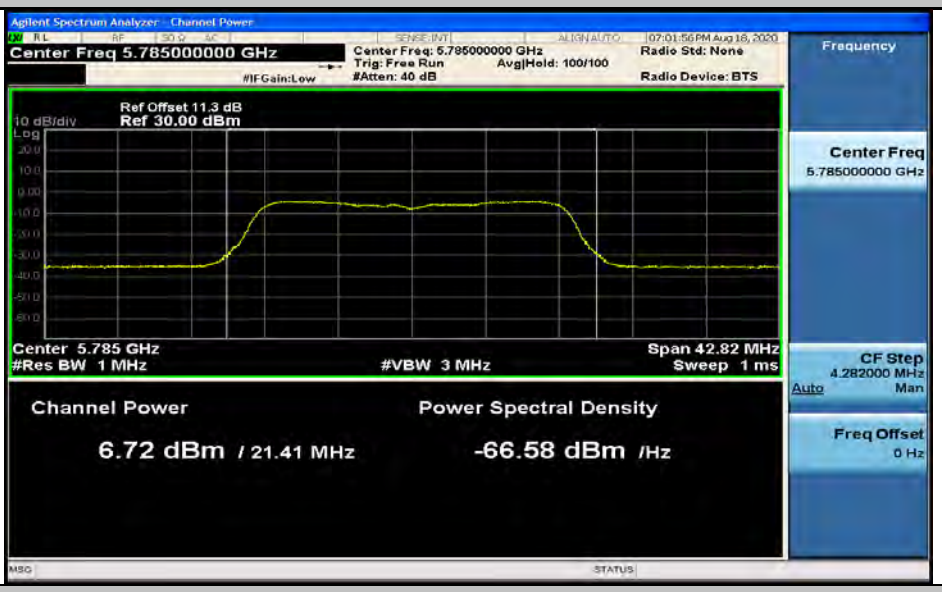
Maximum Conduct Output Power_11AC20_5700_Ant1



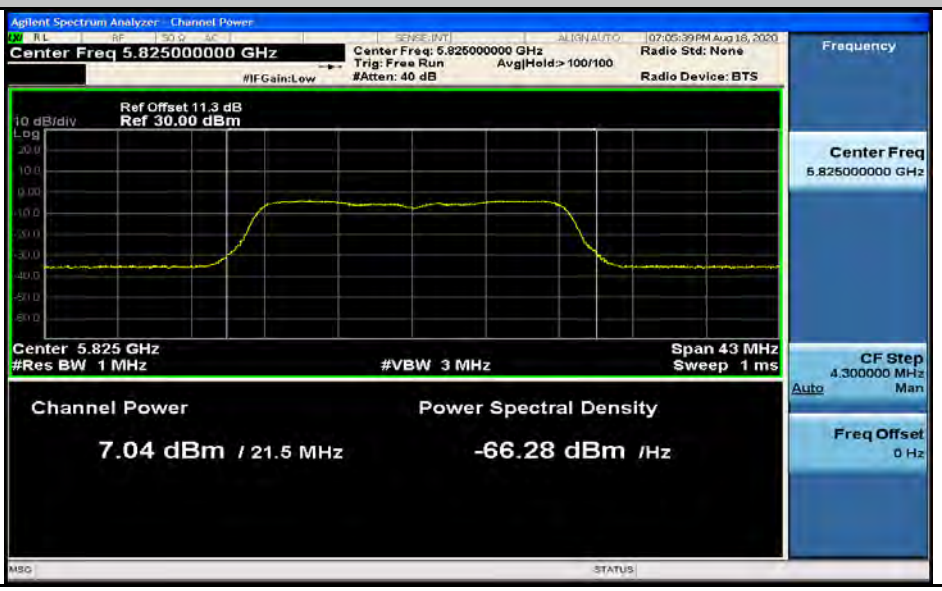
Maximum Conduct Output Power_11AC20_5745_Ant1



Maximum Conduct Output Power_11AC20_5785_Ant1



Maximum Conduct Output Power_11AC20_5825_Ant1



6.Maximum Power Spectral Density For FCC

Test Mode	Test Channel	Ant	Level [dBm/MHz]	10log(1/x) Factor [dB]	PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	5180	Ant1	0.29	0.65	0.94	11.00	PASS
11A	5220	Ant1	-0.72	0.61	-0.11	11.00	PASS
11A	5240	Ant1	-1.21	0.65	-0.56	11.00	PASS
11A	5260	Ant1	1.39	0.64	2.03	11.00	PASS
11A	5280	Ant1	1.54	0.65	2.19	11.00	PASS
11A	5320	Ant1	0.44	0.65	1.09	11.00	PASS
11A	5500	Ant1	-1.97	0.65	-1.32	11.00	PASS
11A	5580	Ant1	1.80	0.65	2.45	11.00	PASS
11A	5700	Ant1	-3.6	0.65	-2.95	11.00	PASS
11N20	5180	Ant1	-0.48	0.65	0.17	11.00	PASS
11N20	5220	Ant1	-0.87	0.65	-0.22	11.00	PASS
11N20	5240	Ant1	-1.22	0.65	-0.57	11.00	PASS
11N20	5260	Ant1	0.85	0.64	1.49	11.00	PASS
11N20	5280	Ant1	0.51	0.65	1.16	11.00	PASS
11N20	5320	Ant1	-0.53	0.65	0.12	11.00	PASS
11N20	5500	Ant1	-2.72	0.65	-2.07	11.00	PASS
11N20	5580	Ant1	-1.61	0.65	-0.96	11.00	PASS
11N20	5700	Ant1	-4.14	0.65	-3.49	11.00	PASS
11AC20	5180	Ant1	-1.64	0.65	-0.99	11.00	PASS
11AC20	5220	Ant1	-1.78	0.65	-1.13	11.00	PASS
11AC20	5240	Ant1	-1.7	0.65	-1.05	11.00	PASS
11AC20	5260	Ant1	-1.37	0.64	-0.73	11.00	PASS
11AC20	5280	Ant1	-1.46	0.65	-0.81	11.00	PASS
11AC20	5320	Ant1	-2.54	0.65	-1.89	11.00	PASS
11AC20	5500	Ant1	-4.47	0.65	-3.82	11.00	PASS
11AC20	5580	Ant1	-0.92	0.65	-0.27	11.00	PASS
11AC20	5700	Ant1	-5.78	0.65	-5.13	11.00	PASS

Test Mode	Test Channel	Ant	Level [dBm/500kHz]	10log(1/x) Factor[dB]	10log(500kHz/RBW) Factor [dB]	PSD [dBm/500kHz]	Limit [dBm/500kHz]	Verdict
11A	5745	Ant1	-7.49	0.61	2.22	-4.66	30.00	PASS
11A	5785	Ant1	-5.85	0.61	2.22	-3.02	30.00	PASS
11A	5825	Ant1	-5.74	0.65	2.22	-2.87	30.00	PASS
11N20	5745	Ant1	-8.33	0.61	2.22	-5.5	30.00	PASS
11N20	5785	Ant1	-6.89	0.65	2.22	-4.02	30.00	PASS
11N20	5825	Ant1	-6.53	0.65	2.22	-3.66	30.00	PASS

11AC20	5745	Ant1	-10.16	0.65	2.22	-7.29	30.00	PASS
11AC20	5785	Ant1	-9.05	0.65	2.22	-6.18	30.00	PASS
11AC20	5825	Ant1	-8.3	0.65	2.22	-5.43	30.00	PASS

7.Maximum Power Spectral Density For IC

Test Mode	Test Channel	Ant	Level [dBm/MHz]	10log(1/x) Factor [dB]	PSD [dBm/MHz]	EIRP PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	5180	Ant1	0.29	0.65	0.94	4.62	10.00	PASS
11A	5220	Ant1	-0.72	0.61	-0.11	3.57	10.00	PASS
11A	5240	Ant1	-1.21	0.65	-0.56	3.12	10.00	PASS
11A	5260	Ant1	1.39	0.64	2.03	N/A	11.00	PASS
11A	5280	Ant1	1.54	0.65	2.19	N/A	11.00	PASS
11A	5320	Ant1	0.44	0.65	1.09	N/A	11.00	PASS
11A	5500	Ant1	-1.97	0.65	-1.32	N/A	11.00	PASS
11A	5580	Ant1	1.80	0.65	2.45	N/A	11.00	PASS
11A	5700	Ant1	-3.6	0.65	-2.95	N/A	11.00	PASS
11N20	5180	Ant1	-0.48	0.65	0.17	3.85	10.00	PASS
11N20	5220	Ant1	-0.87	0.65	-0.22	3.46	10.00	PASS
11N20	5240	Ant1	-1.22	0.65	-0.57	3.11	10.00	PASS
11N20	5260	Ant1	0.85	0.64	1.49	N/A	11.00	PASS
11N20	5280	Ant1	0.51	0.65	1.16	N/A	11.00	PASS
11N20	5320	Ant1	-0.53	0.65	0.12	N/A	11.00	PASS
11N20	5500	Ant1	-2.72	0.65	-2.07	N/A	11.00	PASS
11N20	5580	Ant1	-1.61	0.65	-0.96	N/A	11.00	PASS
11N20	5700	Ant1	-4.14	0.65	-3.49	N/A	11.00	PASS
11AC20	5180	Ant1	-1.64	0.65	-0.99	2.69	10.00	PASS
11AC20	5220	Ant1	-1.78	0.65	-1.13	2.55	10.00	PASS
11AC20	5240	Ant1	-1.7	0.65	-1.05	2.63	10.00	PASS
11AC20	5260	Ant1	-1.37	0.64	-0.73	N/A	11.00	PASS
11AC20	5280	Ant1	-1.46	0.65	-0.81	N/A	11.00	PASS
11AC20	5320	Ant1	-2.54	0.65	-1.89	N/A	11.00	PASS
11AC20	5500	Ant1	-4.47	0.65	-3.82	N/A	11.00	PASS
11AC20	5580	Ant1	-0.92	0.65	-0.27	N/A	11.00	PASS
11AC20	5700	Ant1	-5.78	0.65	-5.13	N/A	11.00	PASS

Test Mode	Test Channel	Ant	Level [dBm/500kHz]	10log(1/x) Factor[dB]	10log(500kHz/RBW) Factor [dB]	PSD [dBm/500kHz]	Limit [dBm/500kHz]	Verdict
11A	5745	Ant1	-7.49	0.61	2.22	-4.66	30.00	PASS
11A	5785	Ant1	-5.85	0.61	2.22	-3.02	30.00	PASS
11A	5825	Ant1	-5.74	0.65	2.22	-2.87	30.00	PASS
11N20	5745	Ant1	-8.33	0.61	2.22	-5.5	30.00	PASS
11N20	5785	Ant1	-6.89	0.65	2.22	-4.02	30.00	PASS
11N20	5825	Ant1	-6.53	0.65	2.22	-3.66	30.00	PASS
11AC20	5745	Ant1	-10.16	0.65	2.22	-7.29	30.00	PASS
11AC20	5785	Ant1	-9.05	0.65	2.22	-6.18	30.00	PASS
11AC20	5825	Ant1	-8.3	0.65	2.22	-5.43	30.00	PASS
11A	5745	Ant1	-7.49	0.61	2.22	-4.66	30.00	PASS
11A	5785	Ant1	-5.85	0.61	2.22	-3.02	30.00	PASS
11A	5825	Ant1	-5.74	0.65	2.22	-2.87	30.00	PASS
11N20	5745	Ant1	-8.33	0.61	2.22	-5.5	30.00	PASS
11N20	5785	Ant1	-6.89	0.65	2.22	-4.02	30.00	PASS

Maximum Power Spectral Density_TNVN_11A_5180_Ant1

Maximum Power Spectral Density_TNVN_11A_5220_Ant1

Maximum Power Spectral Density_TNVN_11A_5240_Ant1

Maximum Power Spectral Density_TNVN_11A_5260_Ant1

Maximum Power Spectral Density_TNVN_11A_5280_Ant1

Maximum Power Spectral Density_TNVN_11A_5320_Ant1

Maximum Power Spectral Density_TNVN_11A_5500_Ant1

Maximum Power Spectral Density_TNVN_11A_5580_Ant1

Maximum Power Spectral Density_TNVN_11A_5700_Ant1

Maximum Power Spectral Density_TNVN_11A_5745_Ant1

Maximum Power Spectral Density_TNVN_11A_5785_Ant1

Maximum Power Spectral Density_TNVN_11A_5825_Ant1

Maximum Power Spectral Density_TNVN_11N20_5180_Ant1

Maximum Power Spectral Density_TNVN_11N20_5220_Ant1

Maximum Power Spectral Density_TNVN_11N20_5240_Ant1

Maximum Power Spectral Density_TNVN_11N20_5260_Ant1

Maximum Power Spectral Density_TNVN_11N20_5280_Ant1

Maximum Power Spectral Density_TNVN_11N20_5320_Ant1

Maximum Power Spectral Density_TNVN_11N20_5500_Ant1

Maximum Power Spectral Density_TNVN_11N20_5580_Ant1

Maximum Power Spectral Density_TNVN_11N20_5700_Ant1

Maximum Power Spectral Density_TNVN_11N20_5745_Ant1

Maximum Power Spectral Density_TNVN_11N20_5785_Ant1

Maximum Power Spectral Density_TNVN_11N20_5825_Ant1

Maximum Power Spectral Density_TNVN_11AC20_5180_Ant1

Maximum Power Spectral Density_TNVN_11AC20_5220_Ant1

Maximum Power Spectral Density_TNVN_11AC20_5240_Ant1

Maximum Power Spectral Density_TNVN_11AC20_5260_Ant1

Maximum Power Spectral Density_TNVN_11AC20_5280_Ant1

Maximum Power Spectral Density_TNVN_11AC20_5320_Ant1

Maximum Power Spectral Density_TNVN_11AC20_5500_Ant1

Maximum Power Spectral Density_TNVN_11AC20_5580_Ant1

Maximum Power Spectral Density_TNVN_11AC20_5700_Ant1

Maximum Power Spectral Density_TNVN_11AC20_5745_Ant1

Maximum Power Spectral Density_TNVN_11AC20_5785_Ant1

Maximum Power Spectral Density_TNVN_11AC20_5825_Ant1

8.Frequency Stability

Band	Test Conditions		Operation Frequency (MHz)	Test Frequency (MHz)	Freq. Dev. (MHz)	Limit (GHz)	Result
	Volt (V AC)	Temp (℃)		ANT1	ANT1		
Band U-NII 1	Normal(120)	Extreme(-20)	5180	5180.0304	0.0304	5.15-5.25	Pass
		Extreme(-10)		5180.0356	0.0356		Pass
		Extreme(0)		5180.0376	0.0376		Pass
		Extreme(+10)		5180.0315	0.0315		Pass
		Extreme(+20)		5180.0295	0.0295		Pass
		Extreme(+30)		5180.0392	0.0392		Pass
		Extreme(+40)		5180.0294	0.0294		Pass
		Extreme(+55)		5180.0506	0.0506		Pass
	Extreme(102)	Norma(+20)		5180.0164	0.0164		Pass
	Extreme(138)			5180.0362	0.0362		Pass
	Normal(120)	Extreme(-20)	5240	5240.0264	0.0264		Pass
		Extreme(-10)		5240.0285	0.0285		Pass
		Extreme(0)		5240.0394	0.0394		Pass
		Extreme(+10)		5240.0372	0.0372		Pass
		Extreme(+20)		5240.0486	0.0486		Pass
		Extreme(+30)		5240.0238	0.0238		Pass
		Extreme(+40)		5240.0136	0.0136		Pass
		Extreme(+55)		5240.0494	0.0494		Pass
	Extreme(102)	Norma(20)		5240.0425	0.0425		Pass
	Extreme(138)			5240.0362	0.0362		Pass
Band	Test Conditions		Operation Frequency (MHz)	Test Frequency (MHz)	Freq. Dev. (MHz)	Limit (GHz)	Result
	Volt (V AC)	Temp (℃)		ANT1	ANT1		
Band U-NII 2A	Normal(120)	Extreme(-20)	5260	5260.0364	0.0364	5.15-5.25	Pass
		Extreme(-10)		5260.0238	0.0238		Pass
		Extreme(0)		5260.0372	0.0372		Pass
		Extreme(+10)		5260.0285	0.0285		Pass
		Extreme(+20)		5260.0404	0.0404		Pass
		Extreme(+30)		5260.0423	0.0423		Pass
		Extreme(+40)		5260.0346	0.0346		Pass
		Extreme(+55)		5260.0245	0.0245		Pass
	Extreme(102)	Norma(+20)		5260.0422	0.0422		Pass
	Extreme(138)			5260.0306	0.0306		Pass
	Normal(120)	Extreme(-20)	5320	5320.0418	0.0418		Pass
		Extreme(-10)		5320.0426	0.0426		Pass
		Extreme(0)		5320.0258	0.0258		Pass
		Extreme(+10)		5320.0442	0.0442		Pass
		Extreme(+20)		5320.0256	0.0256		Pass
		Extreme(+30)		5320.0227	0.0227		Pass
		Extreme(+40)		5320.0326	0.0328		Pass
		Extreme(+55)		5320.0325	0.0325		Pass
	Extreme(102)	Norma(20)		5320.0436	0.0436		Pass
	Extreme(138)			5320.0328	0.0328		Pass
Band	Test Conditions		Operation Frequency	Test Frequency (MHz)	Freq. Dev. (MHz)	Limit (GHz)	Result

	Volt (V AC)	Temp (℃)	(MHz)	ANT1	ANT1		
Band U-NII 2C	Normal(120)	Extreme(-20)	5500	5500.0312	0.0312	5.15-5.25	Pass
		Extreme(-10)		5500.0251	0.0251		Pass
		Extreme(0)		5500.0286	0.0286		Pass
		Extreme(+10)		5500.0304	0.0304		Pass
		Extreme(+20)		5500.0412	0.0412		Pass
		Extreme(+30)		5500.0206	0.0206		Pass
		Extreme(+40)		5500.0236	0.0236		Pass
		Extreme(+55)		5500.0314	0.0314		Pass
	Extreme(102)	Norma(+20)		5500.0428	0.0428		Pass
	Extreme(138)			5500.0256	0.0256		Pass
	Normal(120)	Extreme(-20)	5700	5700.0268	0.0268		Pass
		Extreme(-10)		5700.0312	0.0312		Pass
		Extreme(0)		5700.0344	0.0344		Pass
		Extreme(+10)		5700.0287	0.0287		Pass
		Extreme(+20)		5700.0346	0.0346		Pass
		Extreme(+30)		5700.0245	0.0245		Pass
		Extreme(+40)		5700.0296	0.0296		Pass
		Extreme(+55)		5700.0355	0.0355		Pass
	Extreme(102)	Norma(20)		5700.0322	0.0322		Pass
	Extreme(138)			5700.0298	0.0298		Pass
Band	Test Conditions		Operation Frequency (MHz)	Test Frequency (MHz)	Freq. Dev. (MHz)	Limit (GHz)	Result
	Volt (V AC)	Temp (℃)		ANT1	ANT1		
Band U-NII 3	Normal(120)	Extreme(-20)	5745	5745.0476	0.0476	5.725-5.85	Pass
		Extreme(-10)		5745.0372	0.0372		Pass
		Extreme(0)		5745.0256	0.0256		Pass
		Extreme(+10)		5745.0158	0.0158		Pass
		Extreme(+20)		5745.0296	0.0296		Pass
		Extreme(+30)		5745.0415	0.0415		Pass
		Extreme(+40)		5745.0324	0.0324		Pass
		Extreme(+55)		5745.0288	0.0288		Pass
	Extreme(102)	Norma(+20)		5745.0387	0.0387		Pass
	Extreme(138)			5745.0446	0.0446		Pass
	Normal(120)	Extreme(-20)	5825	5825.0425	0.0425		Pass
		Extreme(-10)		5825.0436	0.0436		Pass
		Extreme(0)		5825.0275	0.0275		Pass
		Extreme(+10)		5825.0224	0.0224		Pass
		Extreme(+20)		5825.0187	0.0187		Pass
		Extreme(+30)		5825.0326	0.0326		Pass
		Extreme(+40)		5825.0178	0.0178		Pass
		Extreme(+55)		5825.0246	0.0246		Pass
	Extreme(102)	Norma(20)		5825.0412	0.0412		Pass
	Extreme(138)			5825.0148	0.0148		Pass

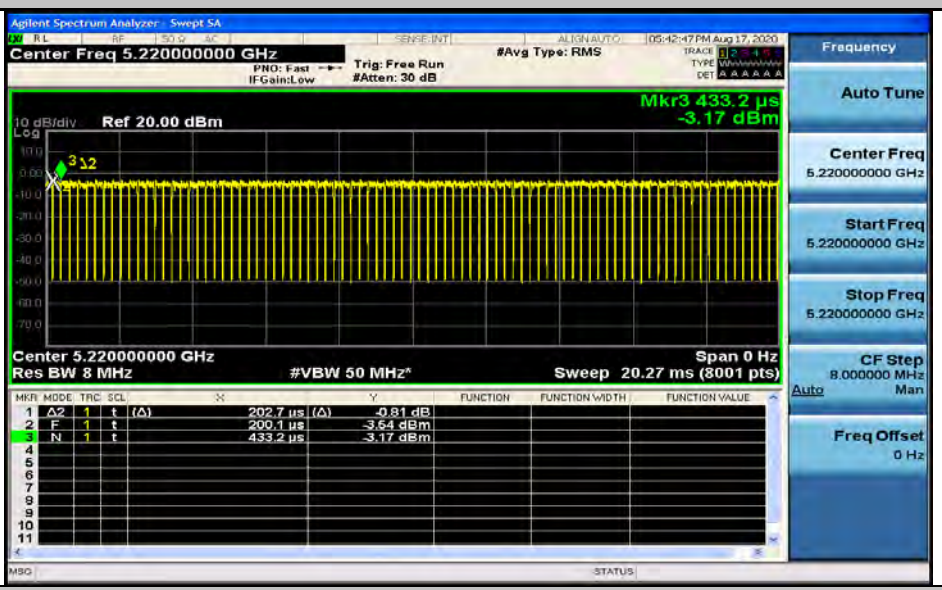
Remark: Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested

9.Duty Cycle

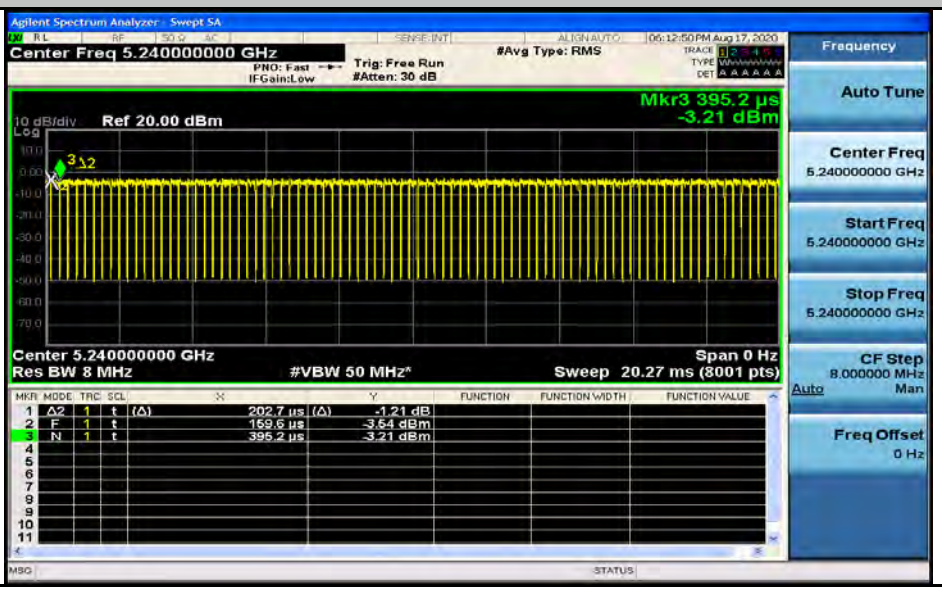
Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor[dB]
11A	5180	Ant1	86.02	0.65
11A	5220	Ant1	86.96	0.61
11A	5240	Ant1	86.02	0.65
11A	5260	Ant1	86.21	0.64
11A	5280	Ant1	86.02	0.65
11A	5320	Ant1	86.02	0.65
11A	5500	Ant1	86.02	0.65
11A	5580	Ant1	86.02	0.65
11A	5700	Ant1	86.02	0.65
11A	5745	Ant1	86.96	0.61
11A	5785	Ant1	86.96	0.61
11A	5825	Ant1	86.02	0.65
11N20	5180	Ant1	86.02	0.65
11N20	5220	Ant1	86.02	0.65
11N20	5240	Ant1	86.02	0.65
11N20	5260	Ant1	86.21	0.64
11N20	5280	Ant1	86.02	0.65
11N20	5320	Ant1	86.02	0.65
11N20	5500	Ant1	86.02	0.65
11N20	5580	Ant1	86.02	0.65
11N20	5700	Ant1	86.02	0.65
11N20	5745	Ant1	86.96	0.61
11N20	5785	Ant1	86.02	0.65
11N20	5825	Ant1	86.02	0.65
11AC20	5180	Ant1	86.02	0.65
11AC20	5220	Ant1	86.02	0.65
11AC20	5240	Ant1	86.02	0.65
11AC20	5260	Ant1	86.21	0.64
11AC20	5280	Ant1	86.02	0.65
11AC20	5320	Ant1	86.02	0.65
11AC20	5500	Ant1	86.02	0.65
11AC20	5580	Ant1	86.02	0.65
11AC20	5700	Ant1	86.02	0.65
11AC20	5745	Ant1	86.02	0.65
11AC20	5785	Ant1	86.02	0.65
11AC20	5825	Ant1	86.02	0.65

Duty Cycle_11A_5180_Ant1

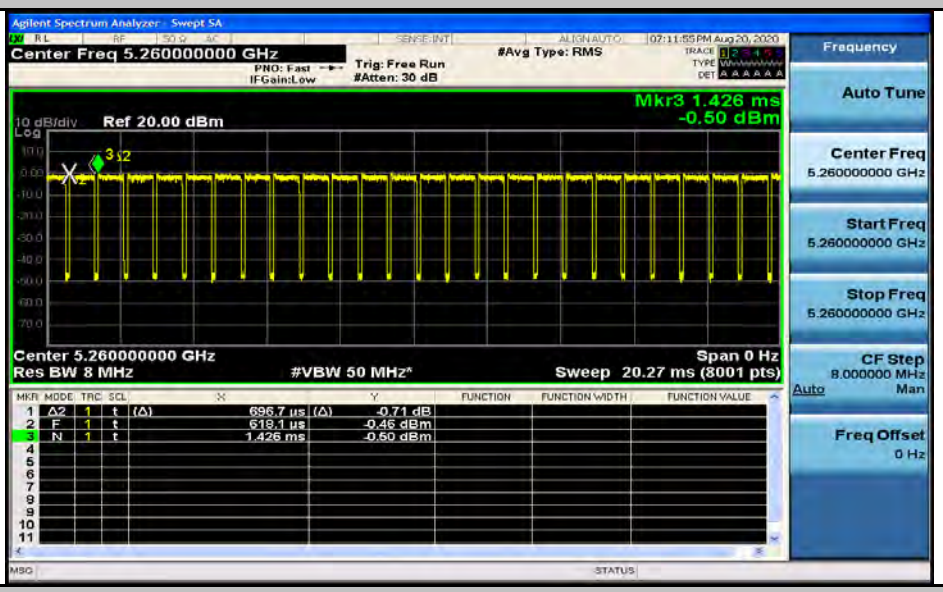
Duty Cycle_11A_5220_Ant1



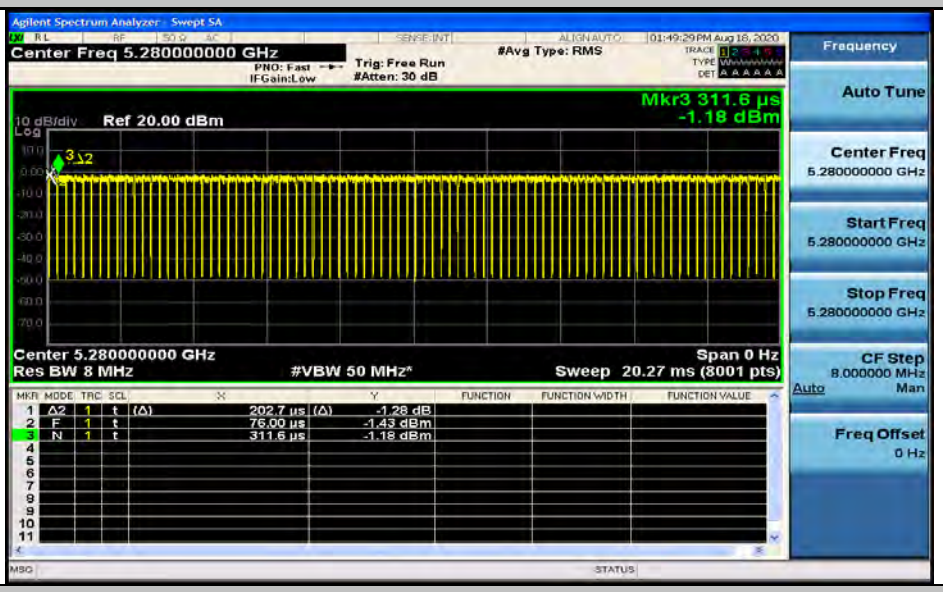
Duty Cycle_11A_5240_Ant1



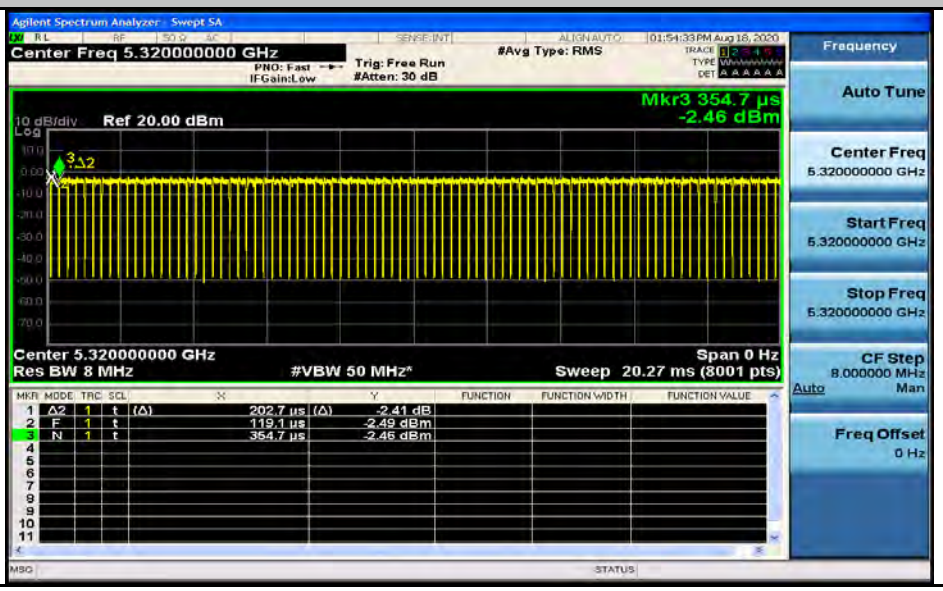
Duty Cycle_11A_5260_Ant1



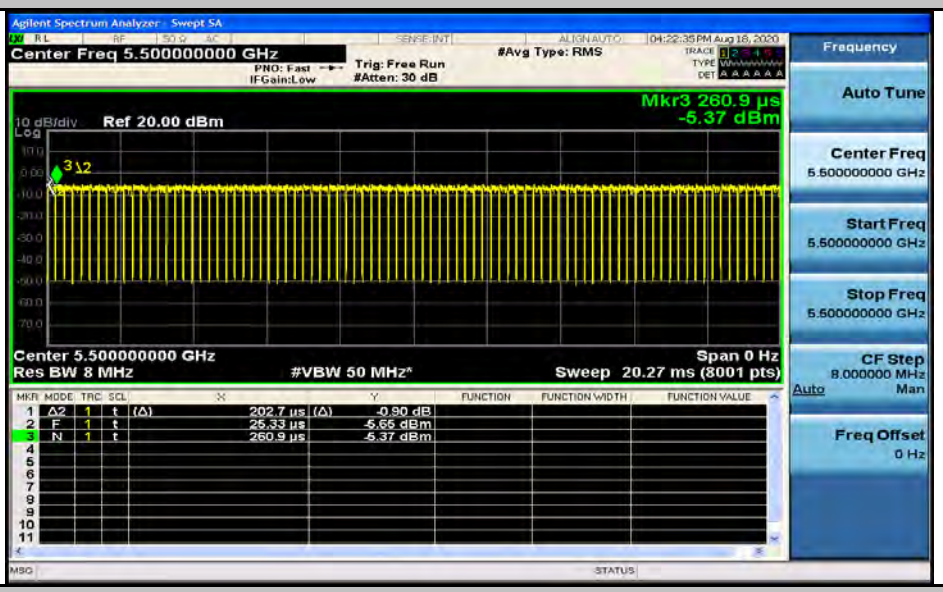
Duty Cycle_11A_5280_Ant1



Duty Cycle_11A_5320_Ant1



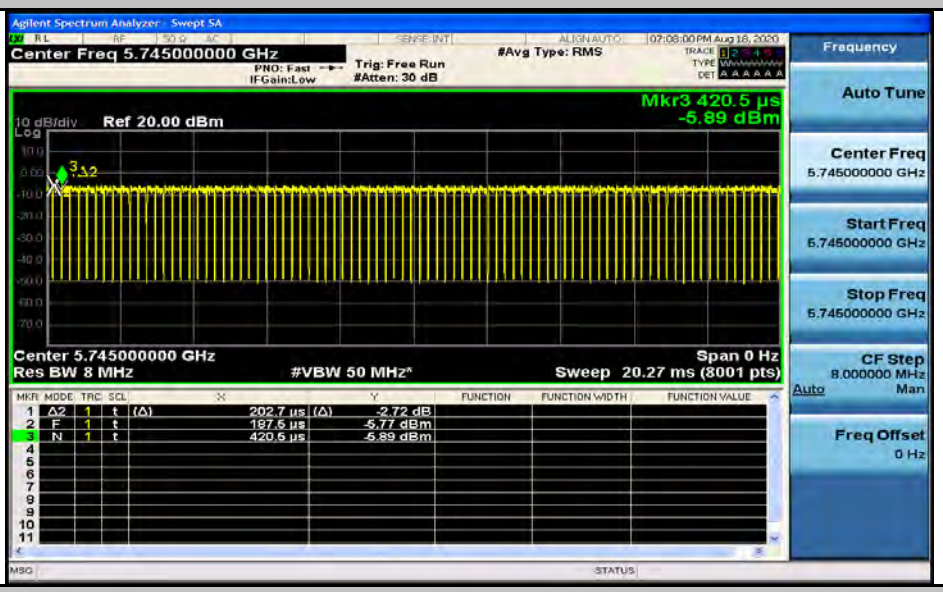
Duty Cycle_11A_5500_Ant1



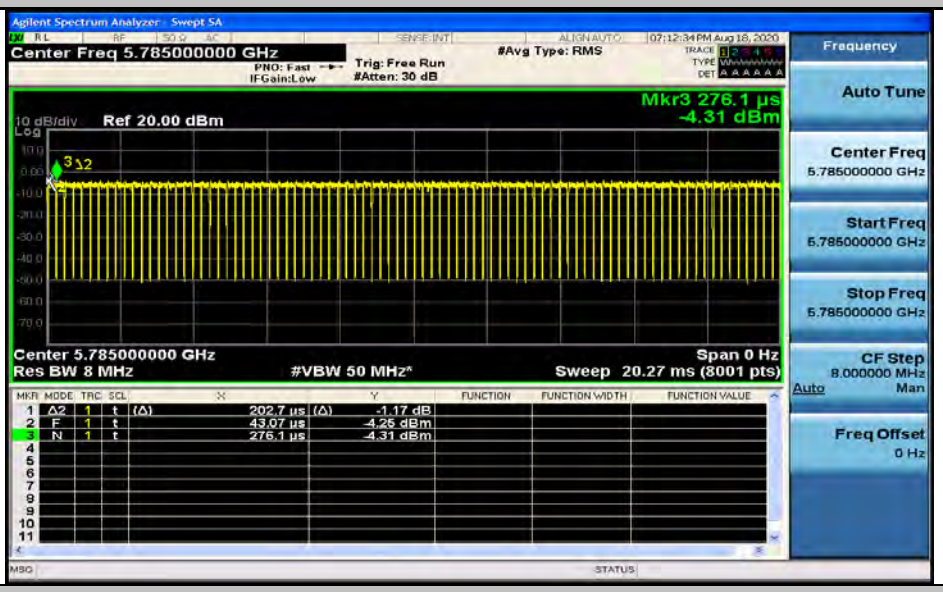
Duty Cycle_11A_5580_Ant1

Duty Cycle_11A_5700_Ant1

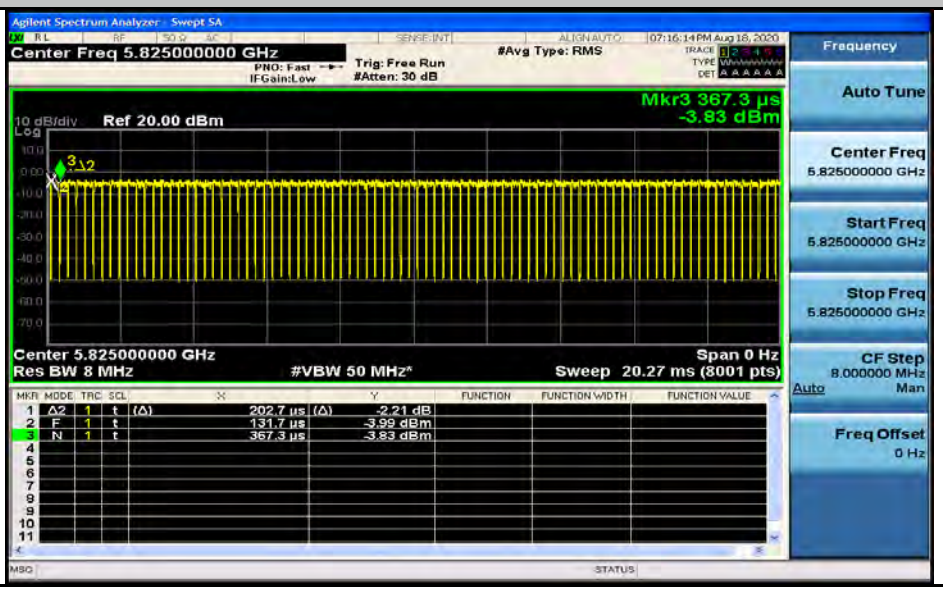
Duty Cycle_11A_5745_Ant1



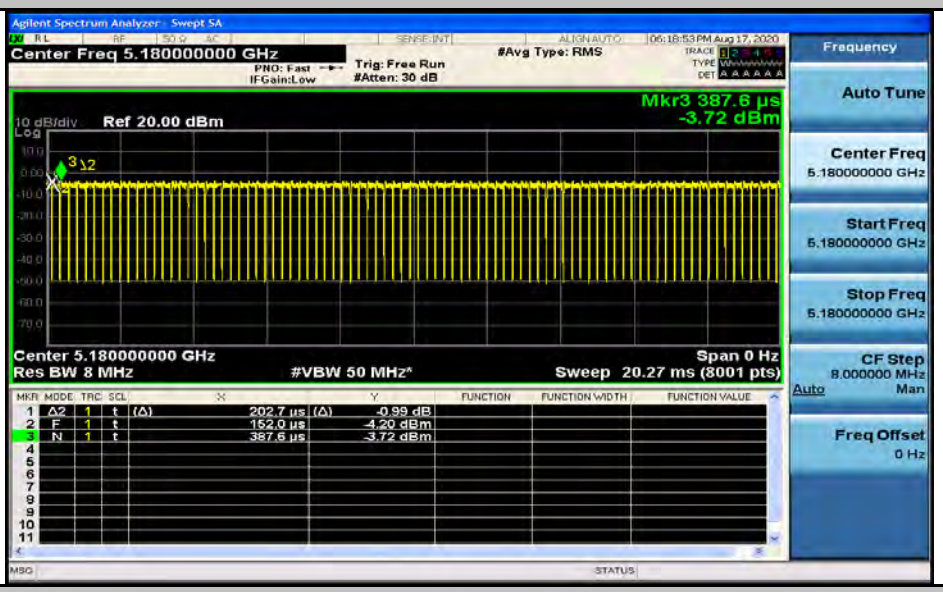
Duty Cycle_11A_5785_Ant1



Duty Cycle_11A_5825_Ant1

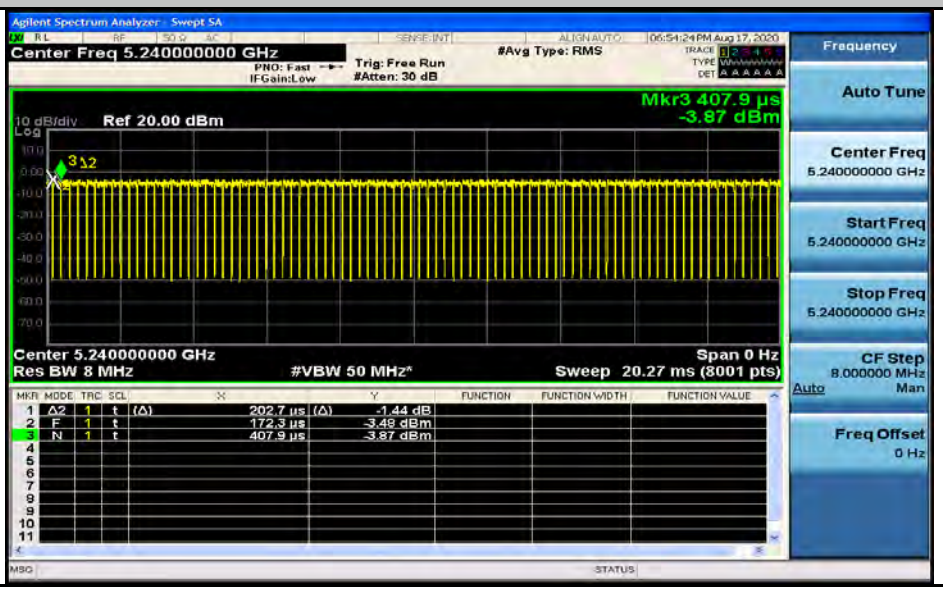


Duty Cycle_11N20_5180_Ant1

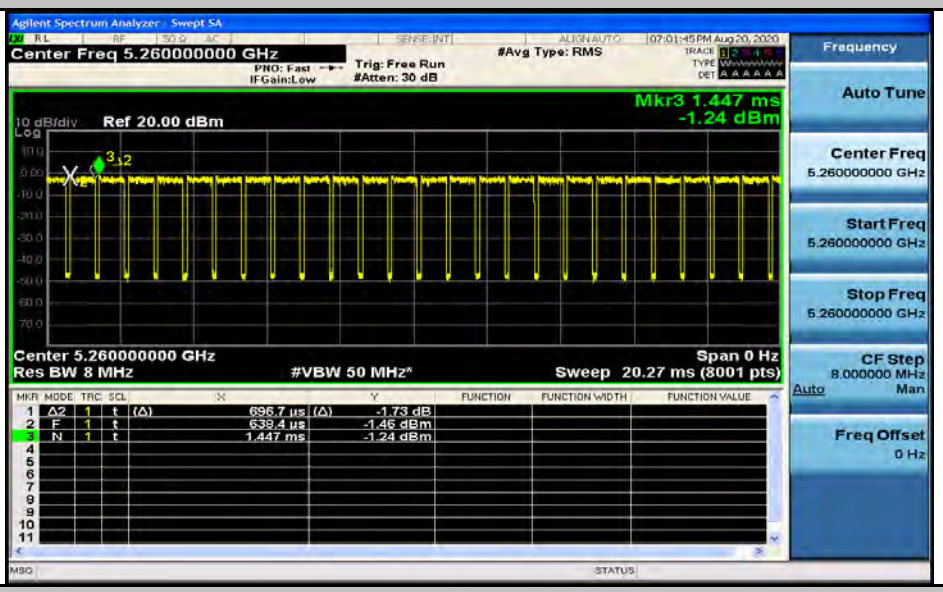


Duty Cycle_11N20_5220_Ant1

Duty Cycle_11N20_5240_Ant1

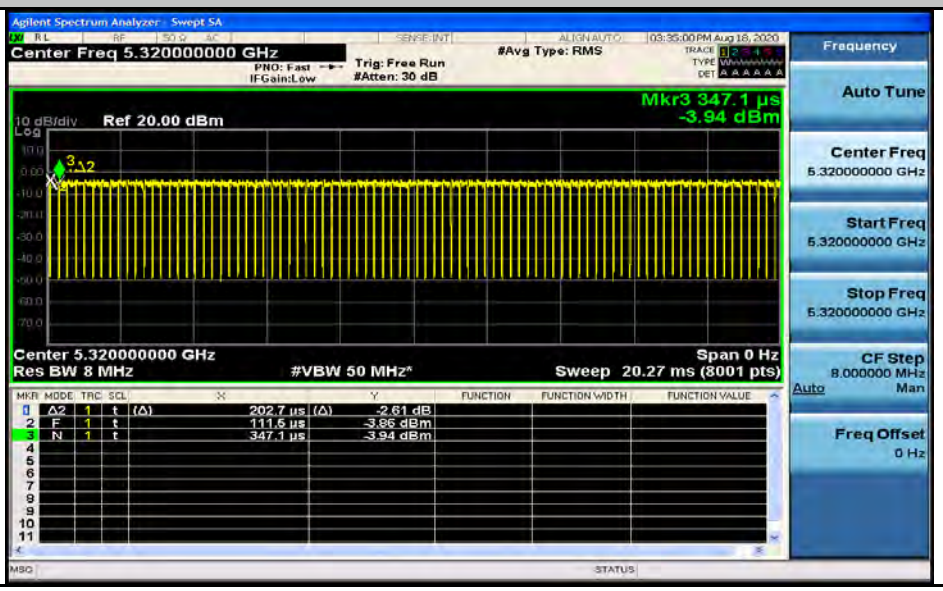


Duty Cycle_11N20_5260_Ant1

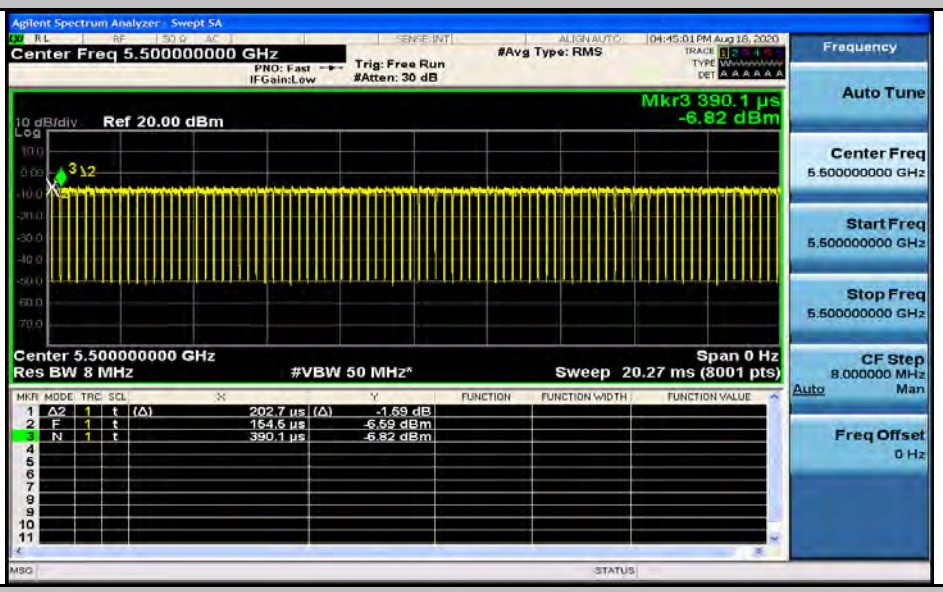


Duty Cycle_11N20_5280_Ant1

Duty Cycle_11N20_5320_Ant1

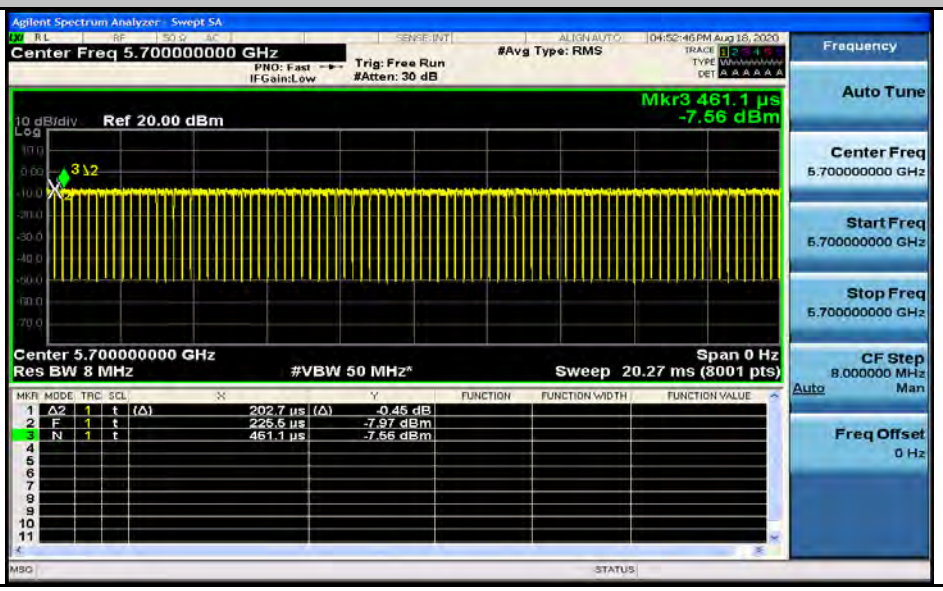


Duty Cycle_11N20_5500_Ant1

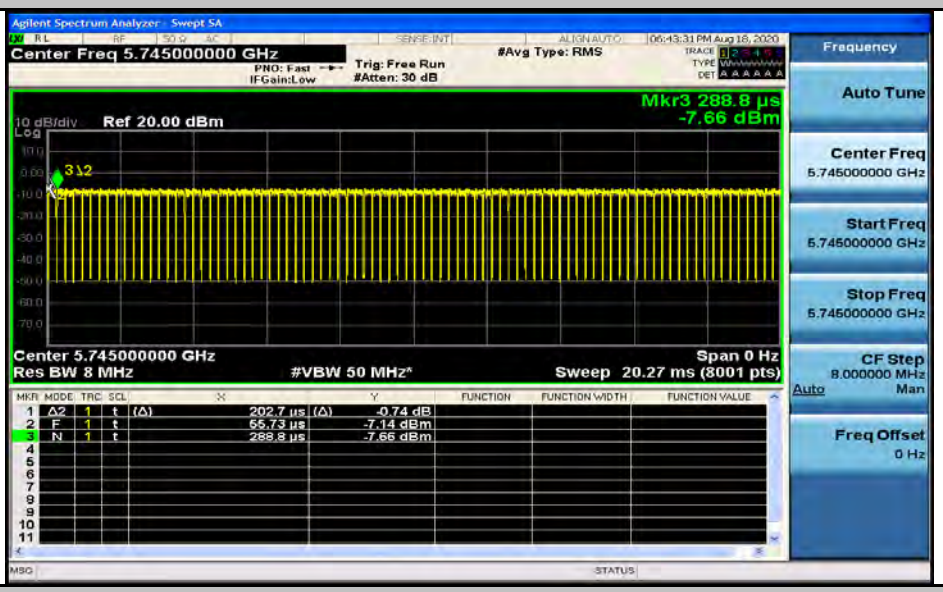


Duty Cycle_11N20_5580_Ant1

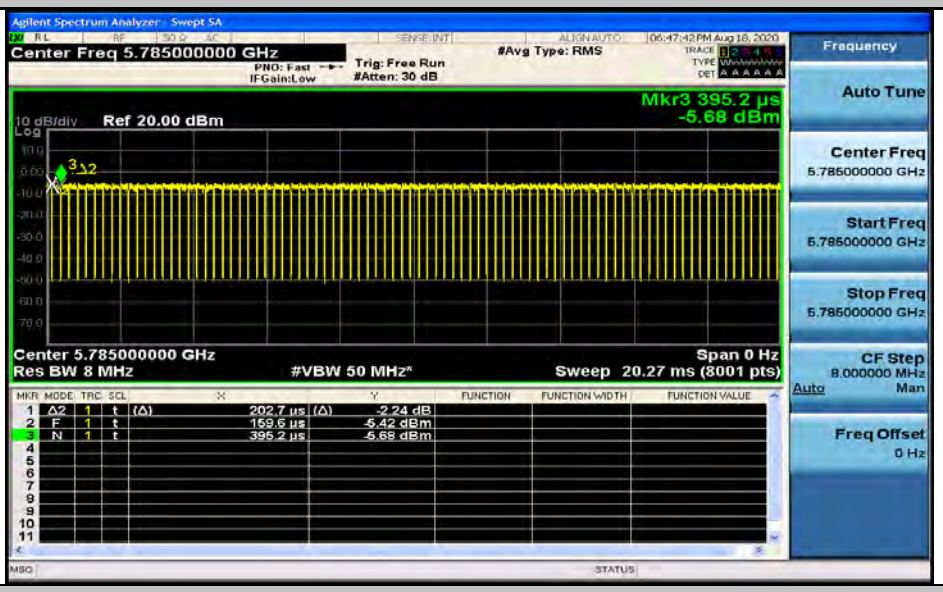
Duty Cycle_11N20_5700_Ant1



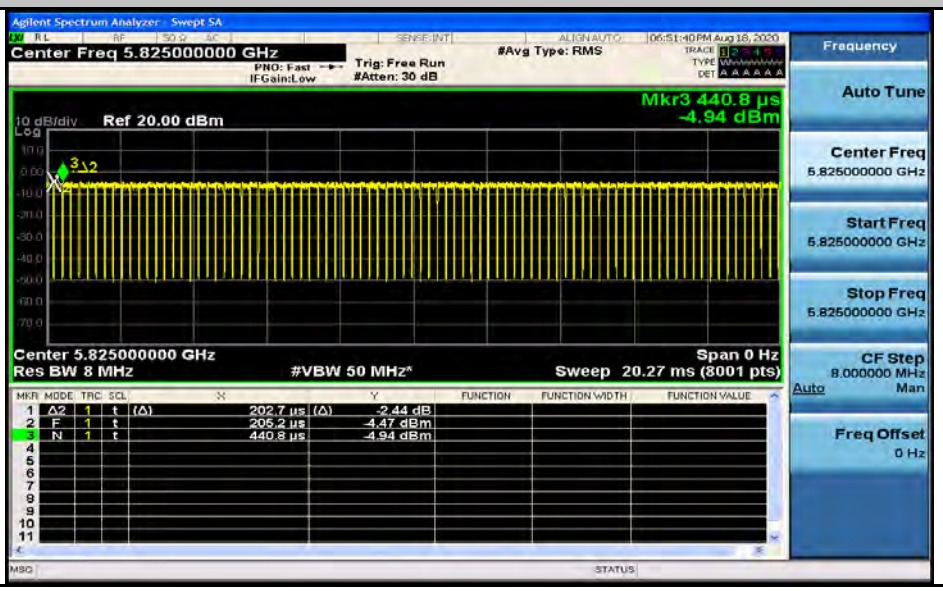
Duty Cycle_11N20_5745_Ant1



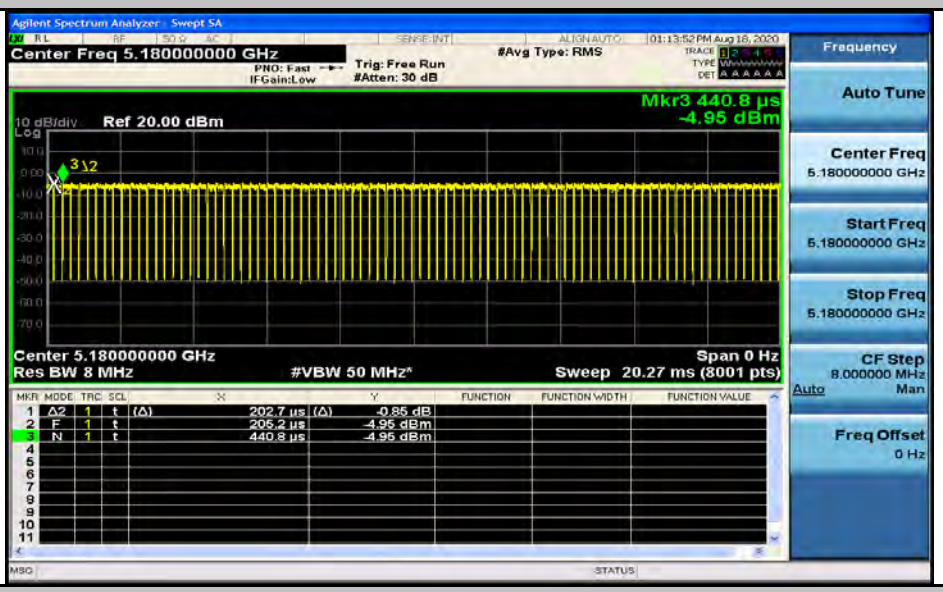
Duty Cycle_11N20_5785_Ant1



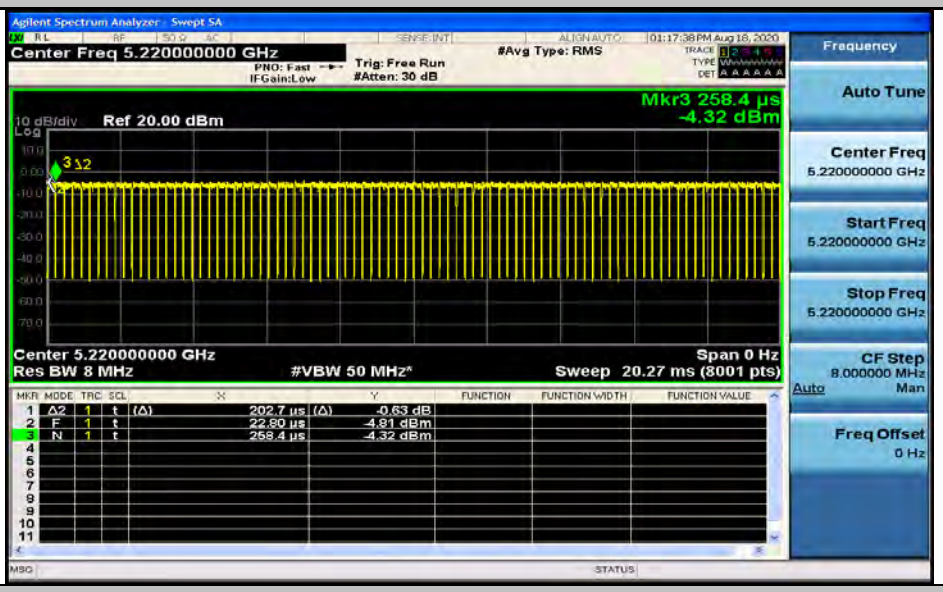
Duty Cycle_11N20_5825_Ant1



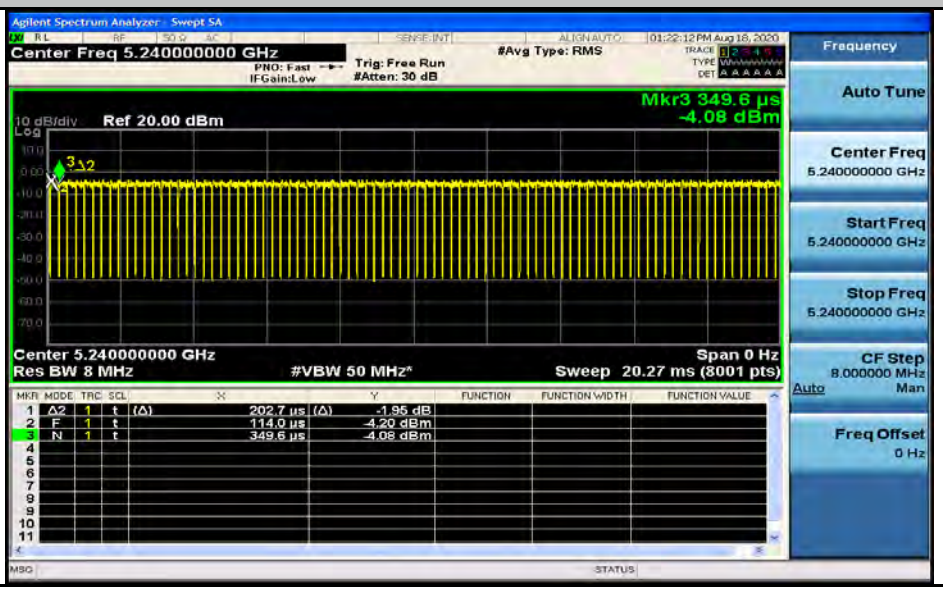
Duty Cycle_11AC20_5180_Ant1



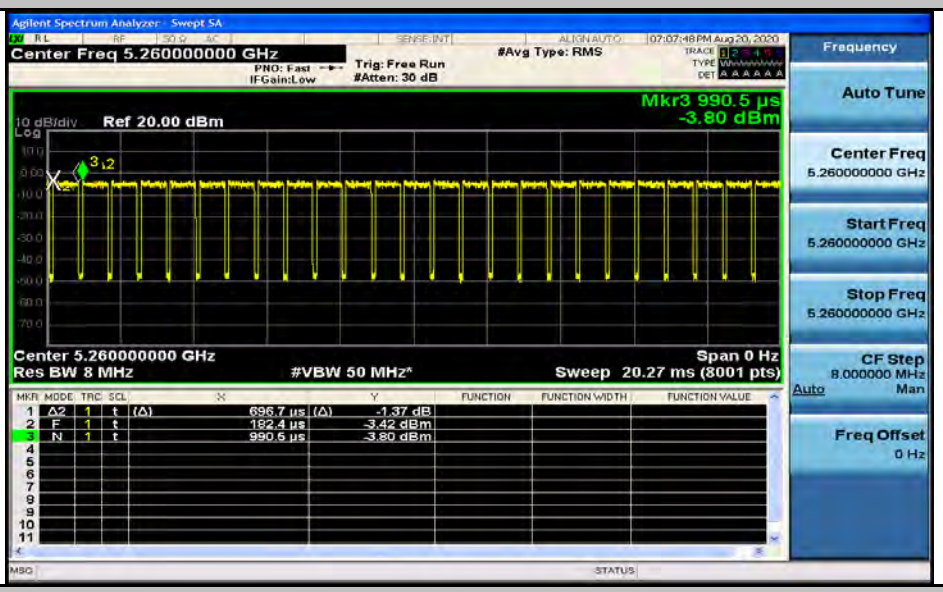
Duty Cycle_11AC20_5220_Ant1



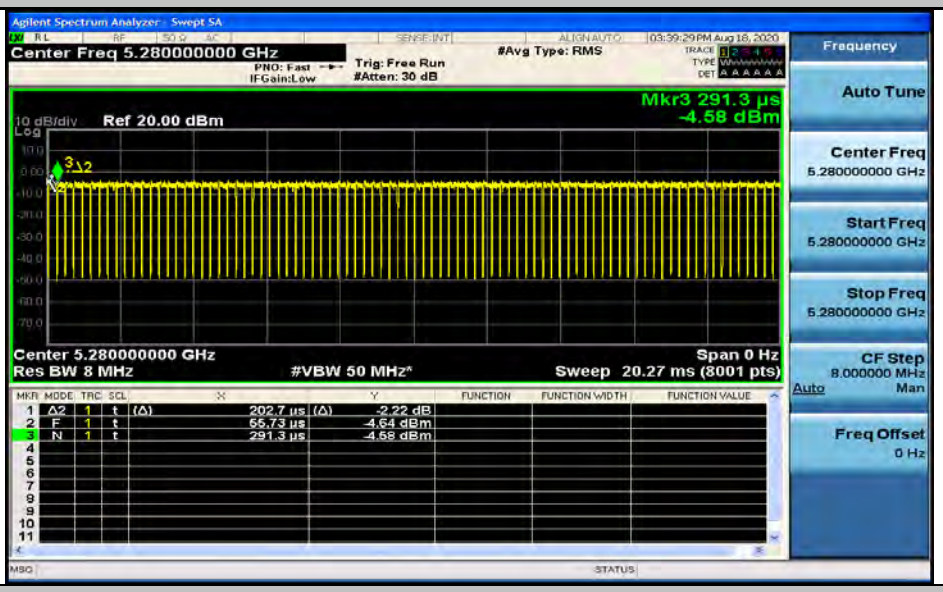
Duty Cycle_11AC20_5240_Ant1



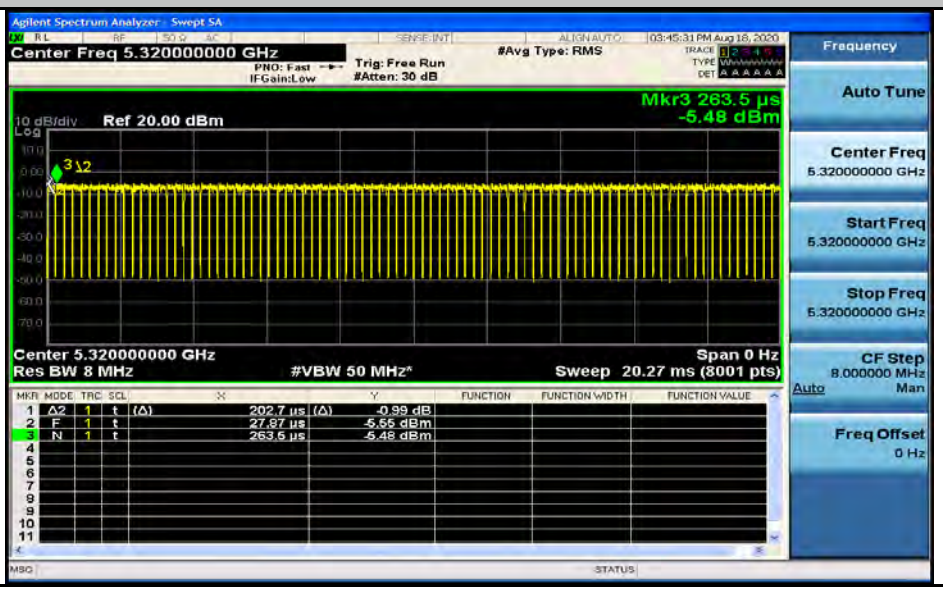
Duty Cycle_11AC20_5260_Ant1



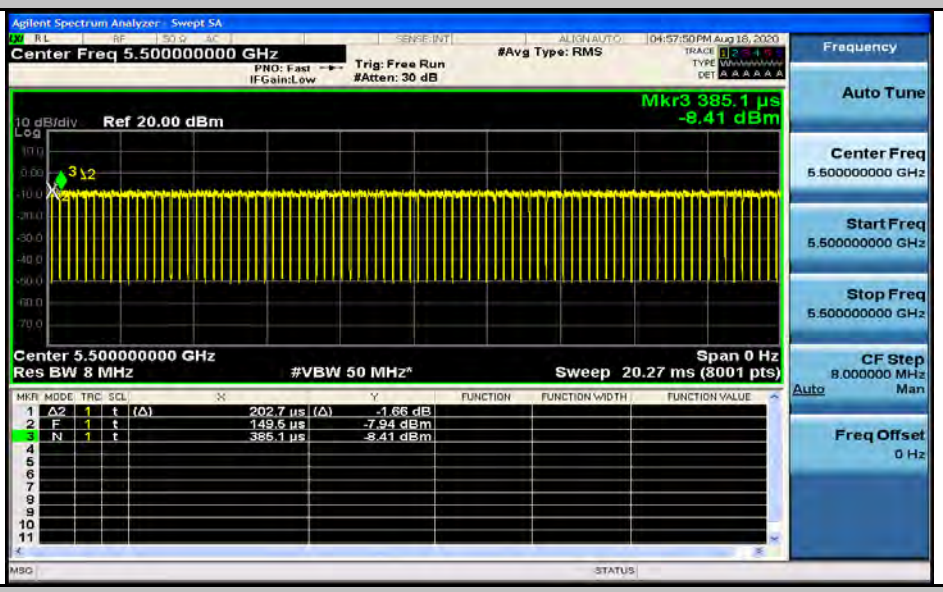
Duty Cycle_11AC20_5280_Ant1



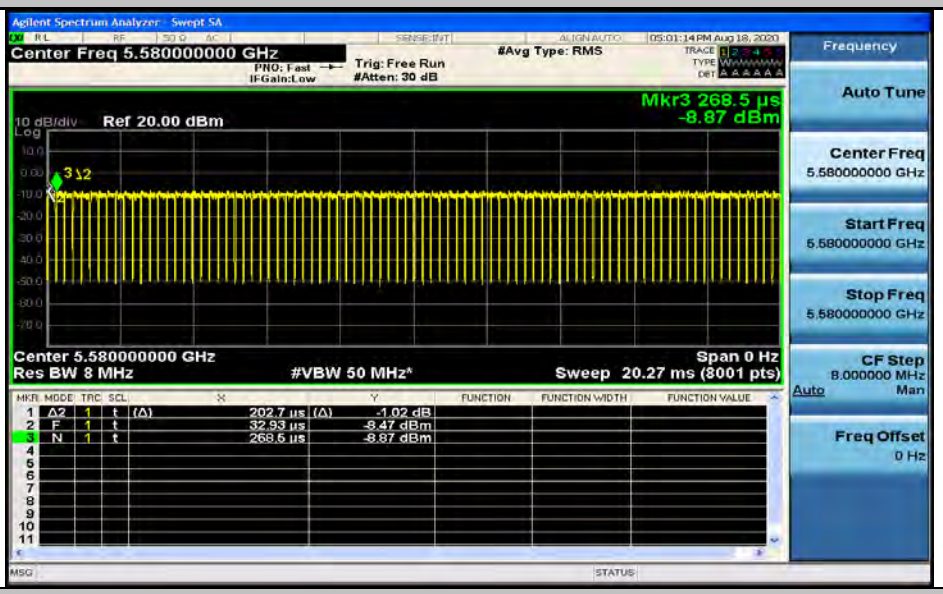
Duty Cycle_11AC20_5320_Ant1



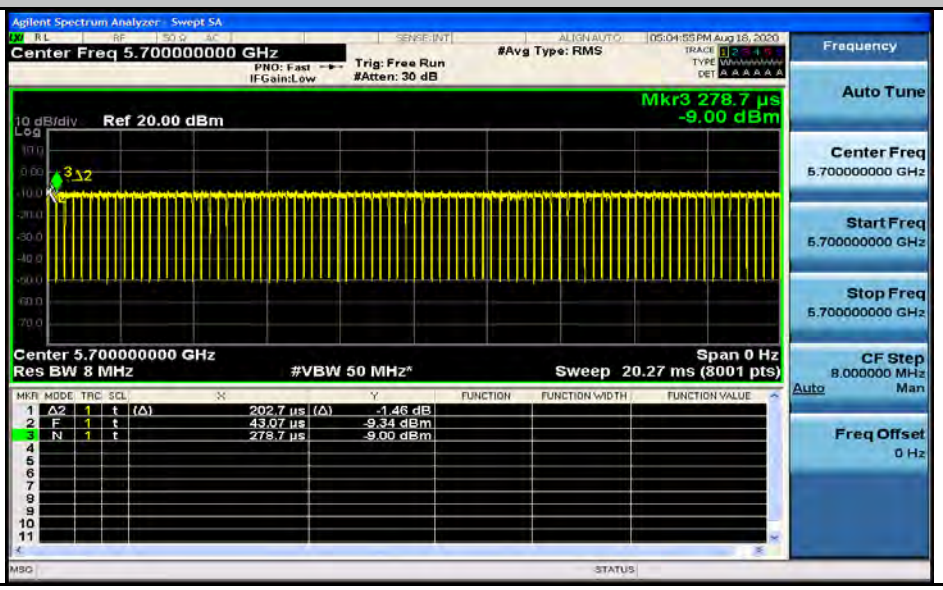
Duty Cycle_11AC20_5500_Ant1



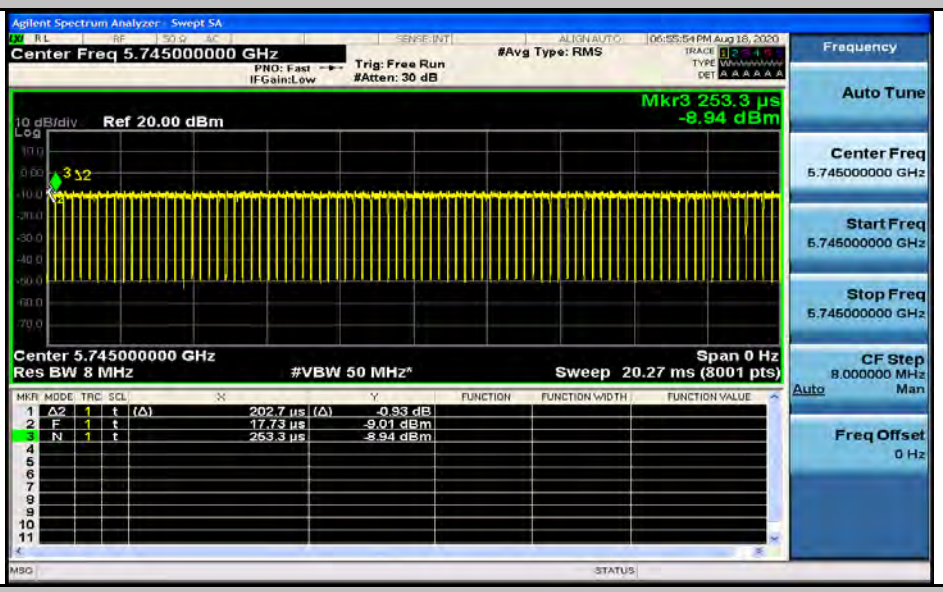
Duty Cycle_11AC20_5580_Ant1



Duty Cycle_11AC20_5700_Ant1



Duty Cycle_11AC20_5745_Ant1



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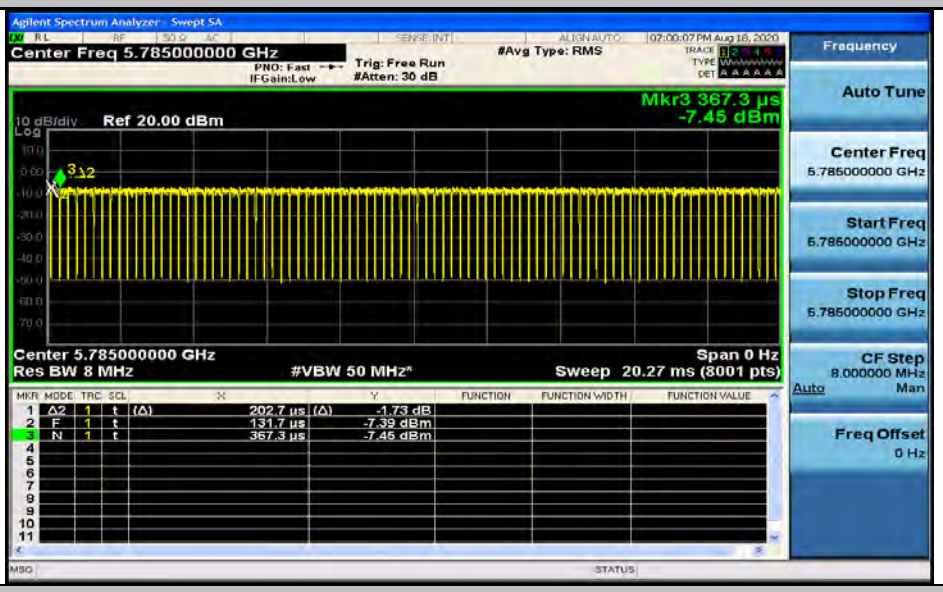
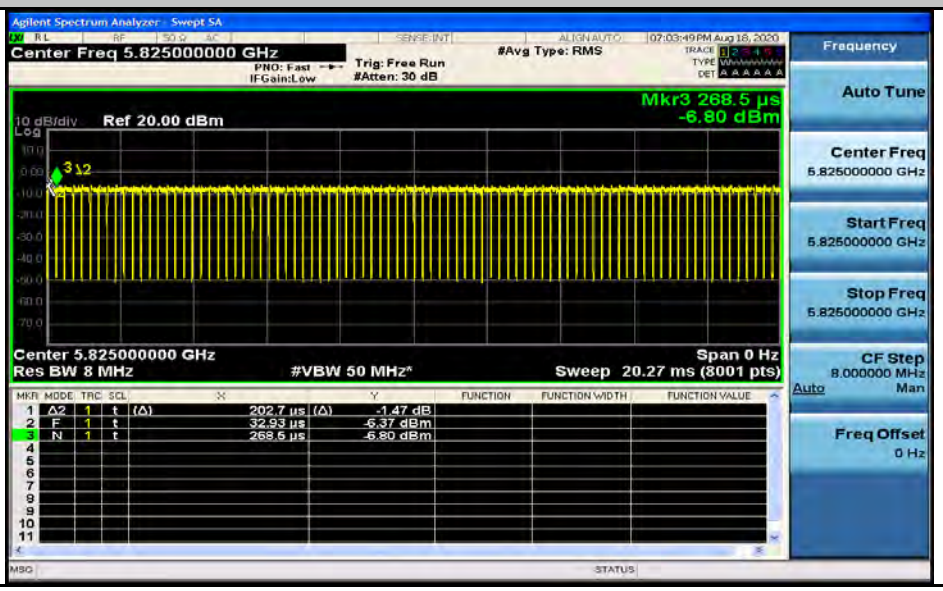
Duty Cycle_11AC20_5825_Ant1