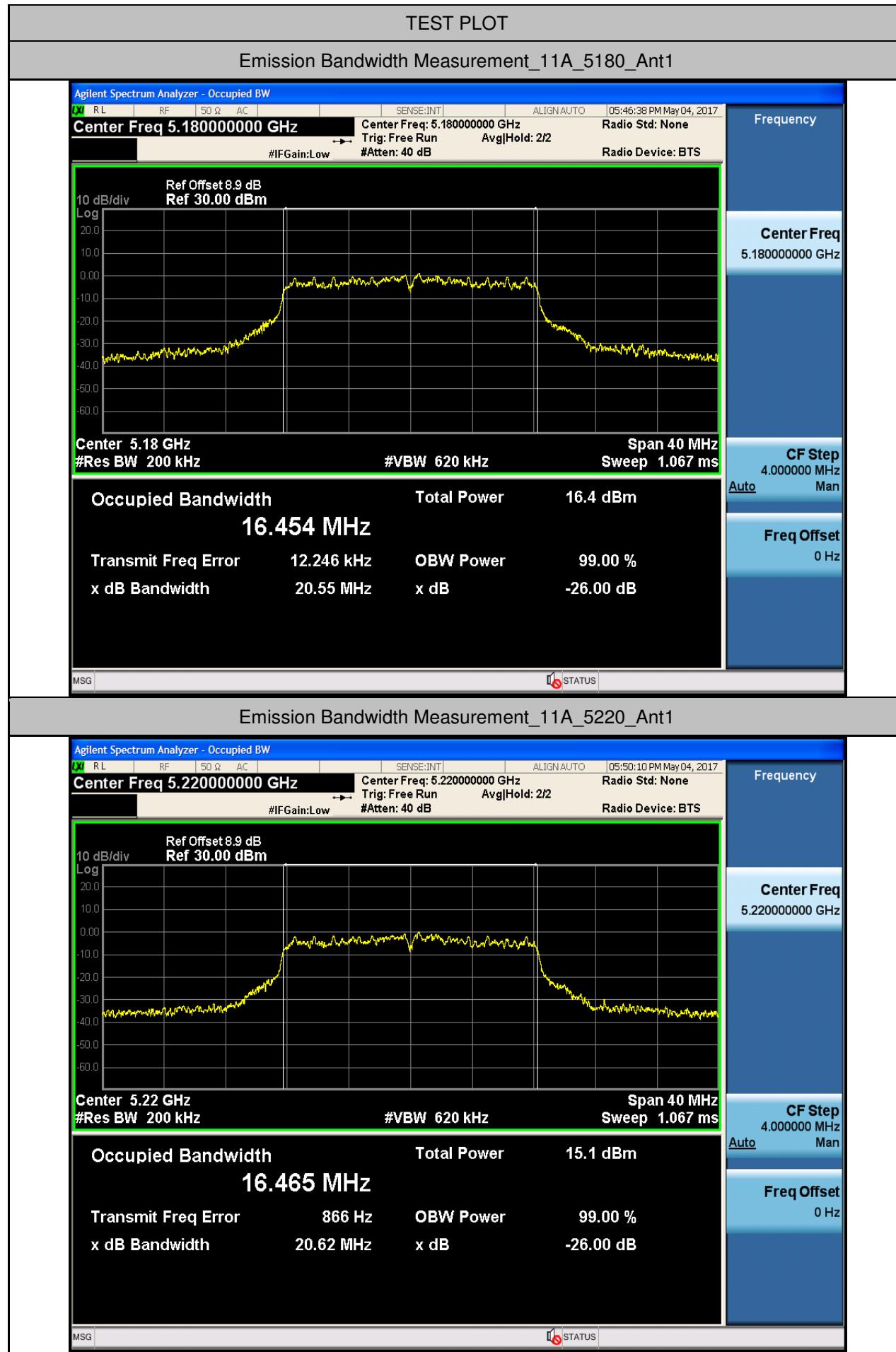
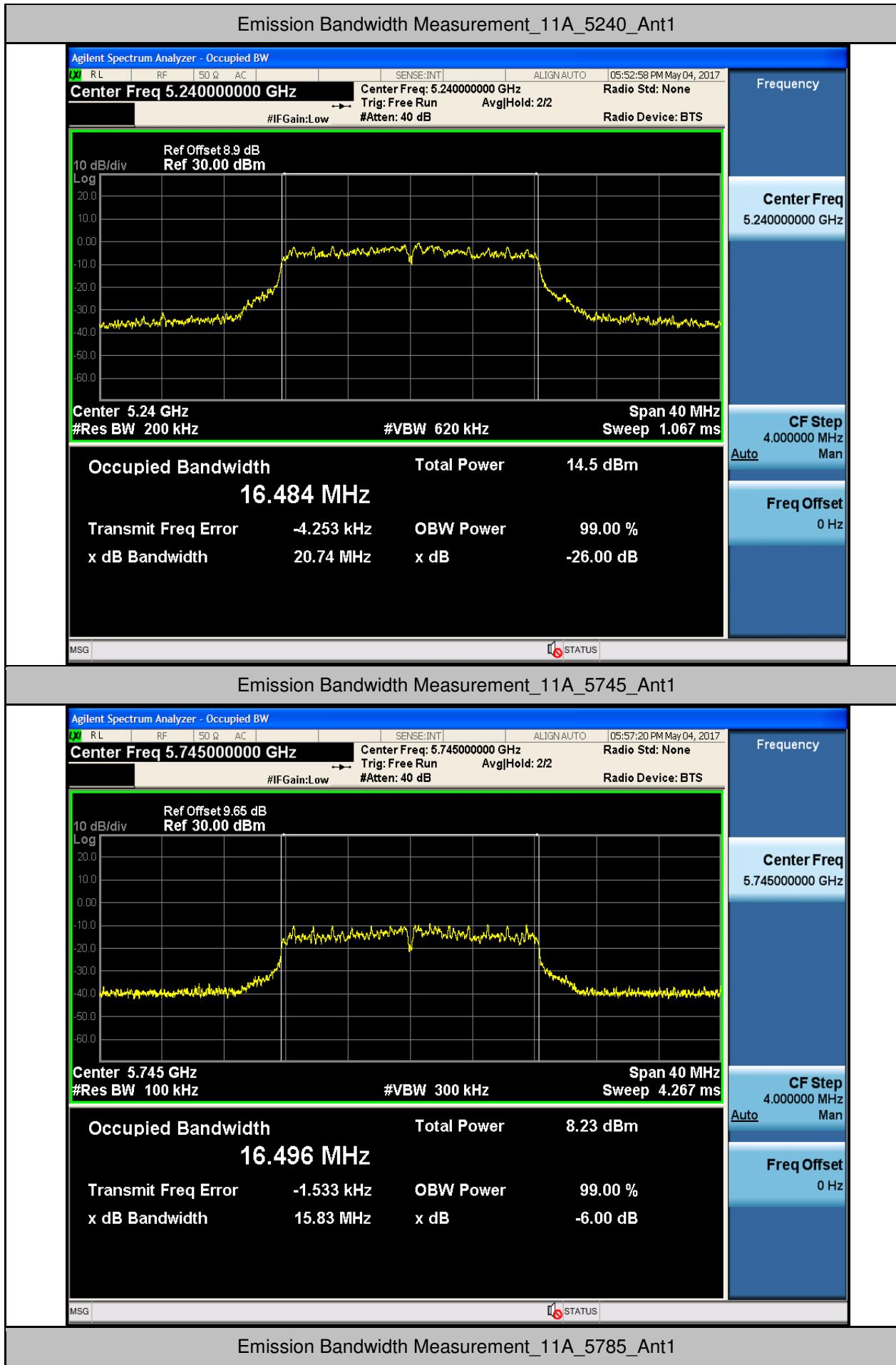


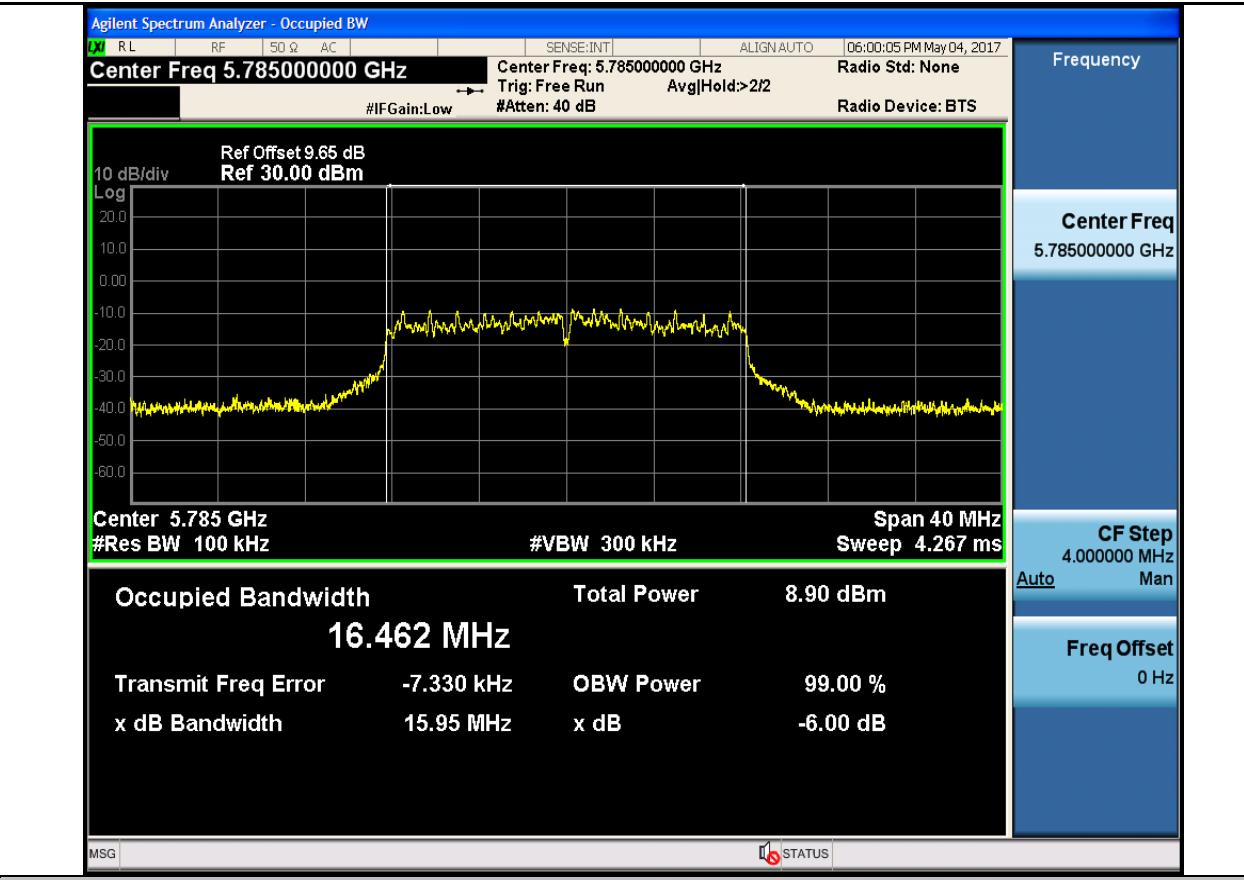
## Appendix A for SHEM170300119802

### 1. Emission Bandwidth

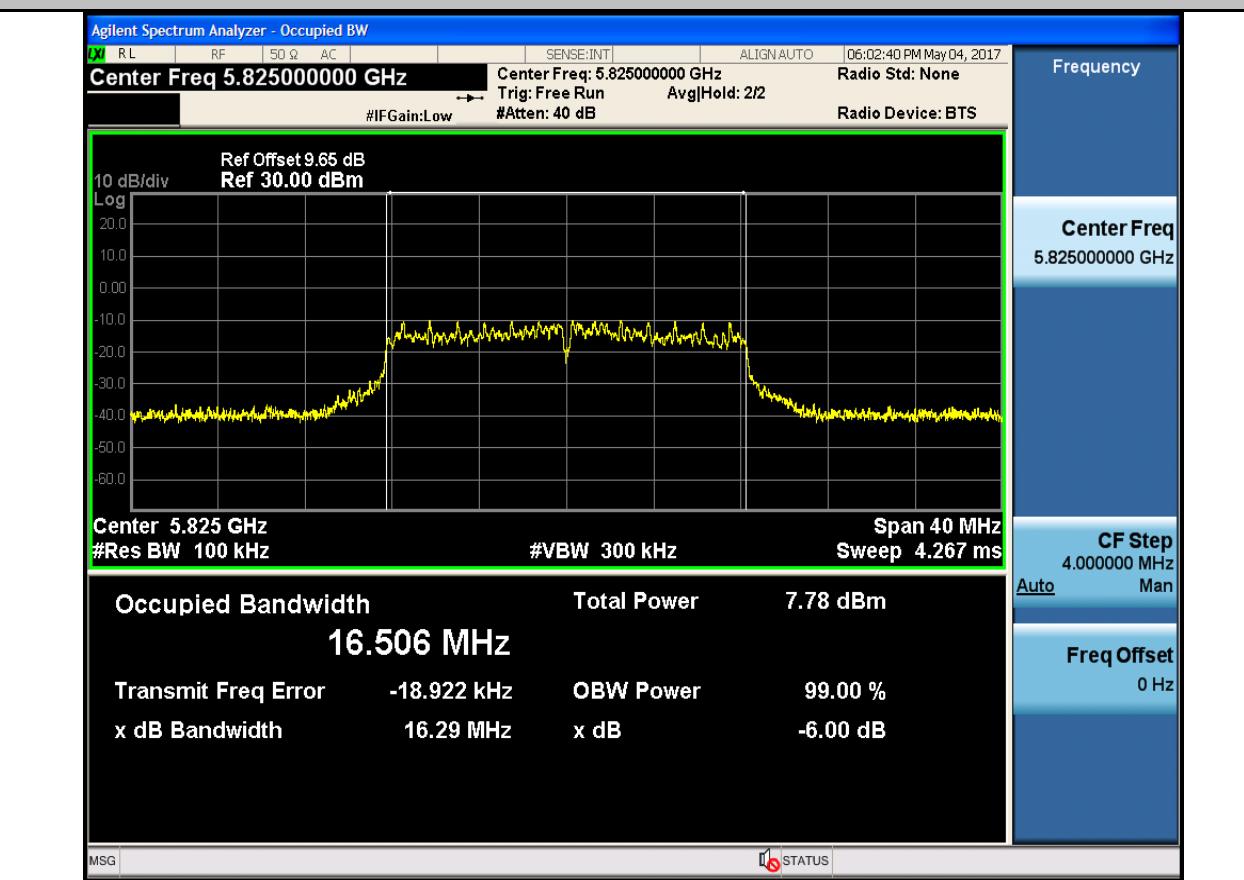
Test Mode	Test Channel	Ant	EBW[MHz]	Limit[MHz]	Verdict
11A	5180	Ant1	20.55	---	PASS
11A	5220	Ant1	20.62	---	PASS
11A	5240	Ant1	20.74	---	PASS
11A	5745	Ant1	15.83	0.5	PASS
11A	5785	Ant1	15.95	0.5	PASS
11A	5825	Ant1	16.29	0.5	PASS
11N20	5180	Ant1	21.06	---	PASS
11N20	5220	Ant1	21.08	---	PASS
11N20	5240	Ant1	20.88	---	PASS
11N20	5745	Ant1	17.57	0.5	PASS
11N20	5785	Ant1	17.59	0.5	PASS
11N20	5825	Ant1	17.58	0.5	PASS
11N40	5190	Ant1	39.20	---	PASS
11N40	5230	Ant1	39.42	---	PASS
11N40	5755	Ant1	36.34	0.5	PASS
11N40	5795	Ant1	36.38	0.5	PASS
11AC20	5180	Ant1	21.01	---	PASS
11AC20	5220	Ant1	20.97	---	PASS
11AC20	5240	Ant1	20.81	---	PASS
11AC20	5745	Ant1	17.49	0.5	PASS
11AC20	5785	Ant1	17.65	0.5	PASS
11AC20	5825	Ant1	17.58	0.5	PASS
11AC40	5190	Ant1	40.13	---	PASS
11AC40	5230	Ant1	39.80	---	PASS
11AC40	5755	Ant1	36.41	0.5	PASS
11AC40	5795	Ant1	36.21	0.5	PASS
11AC80	5210	Ant1	81.06	---	PASS
11AC80	5775	Ant1	75.33	0.5	PASS



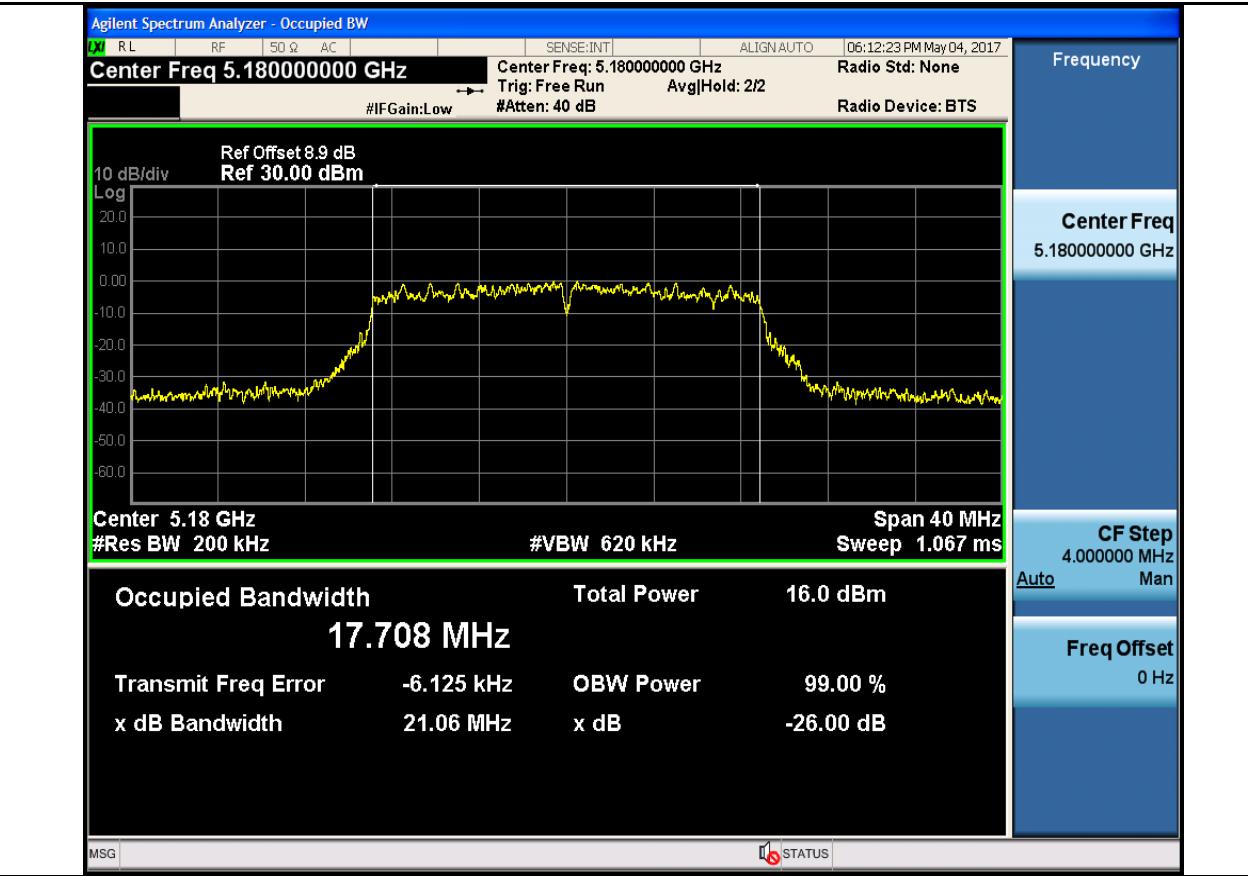




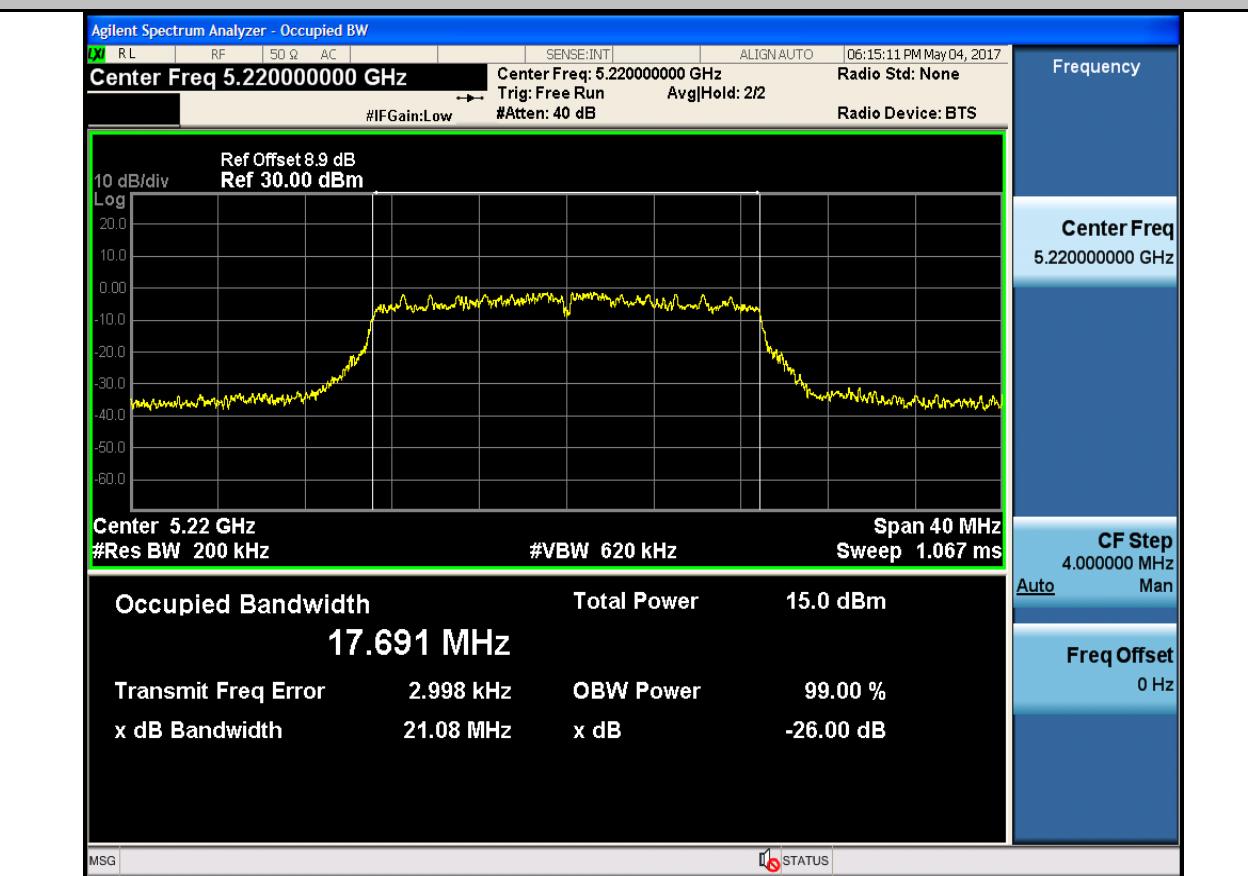
### Emission Bandwidth Measurement\_11A\_5825\_Ant1



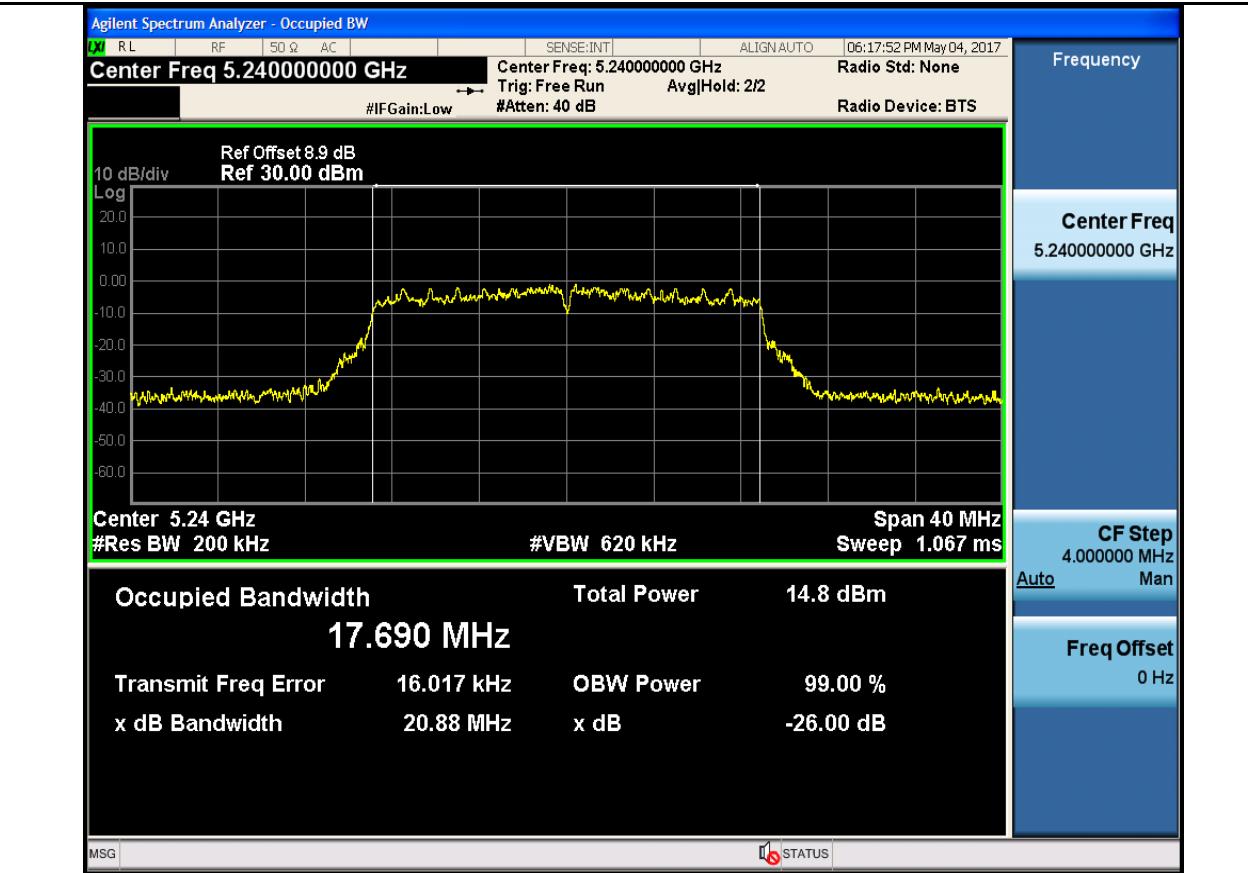
### Emission Bandwidth Measurement\_11N20\_5180\_Ant1



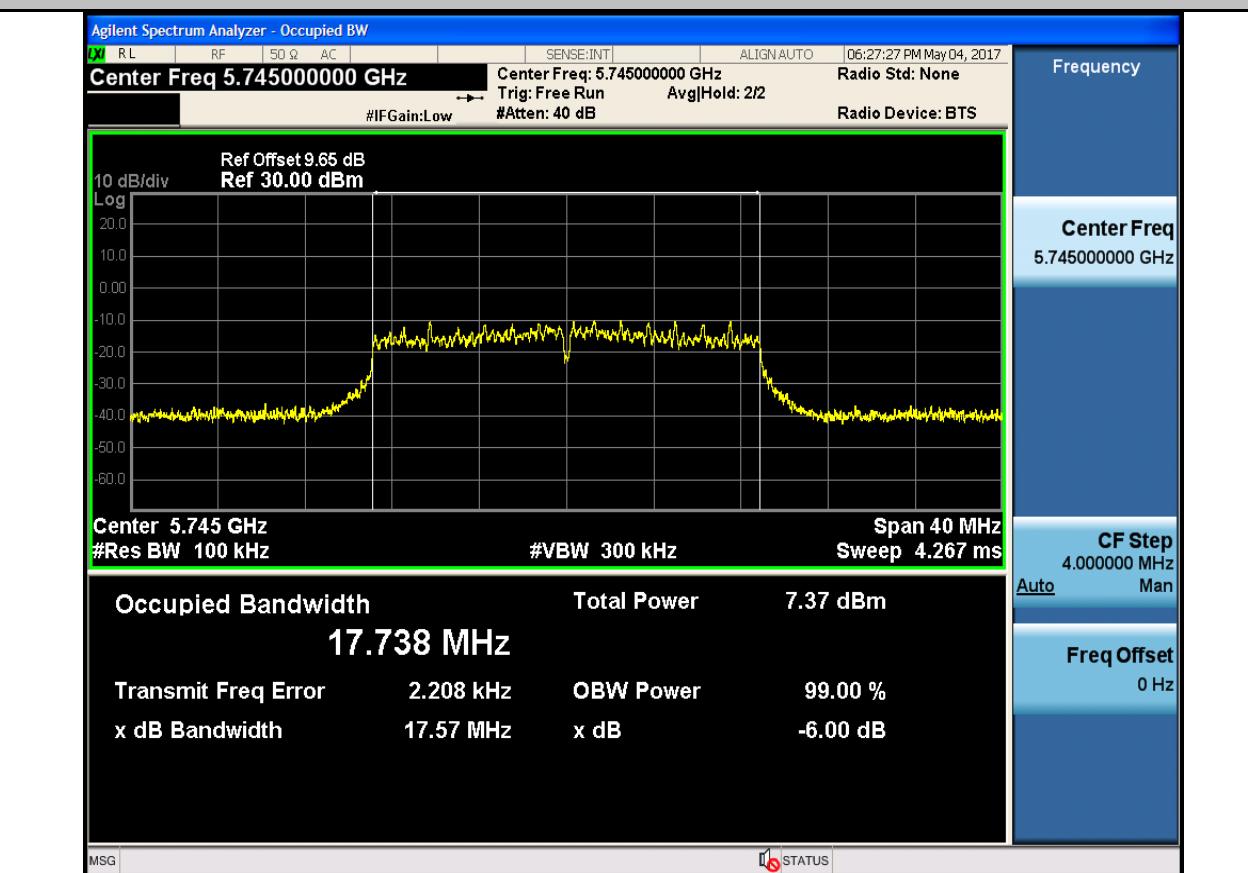
### Emission Bandwidth Measurement\_11N20\_5220\_Ant1



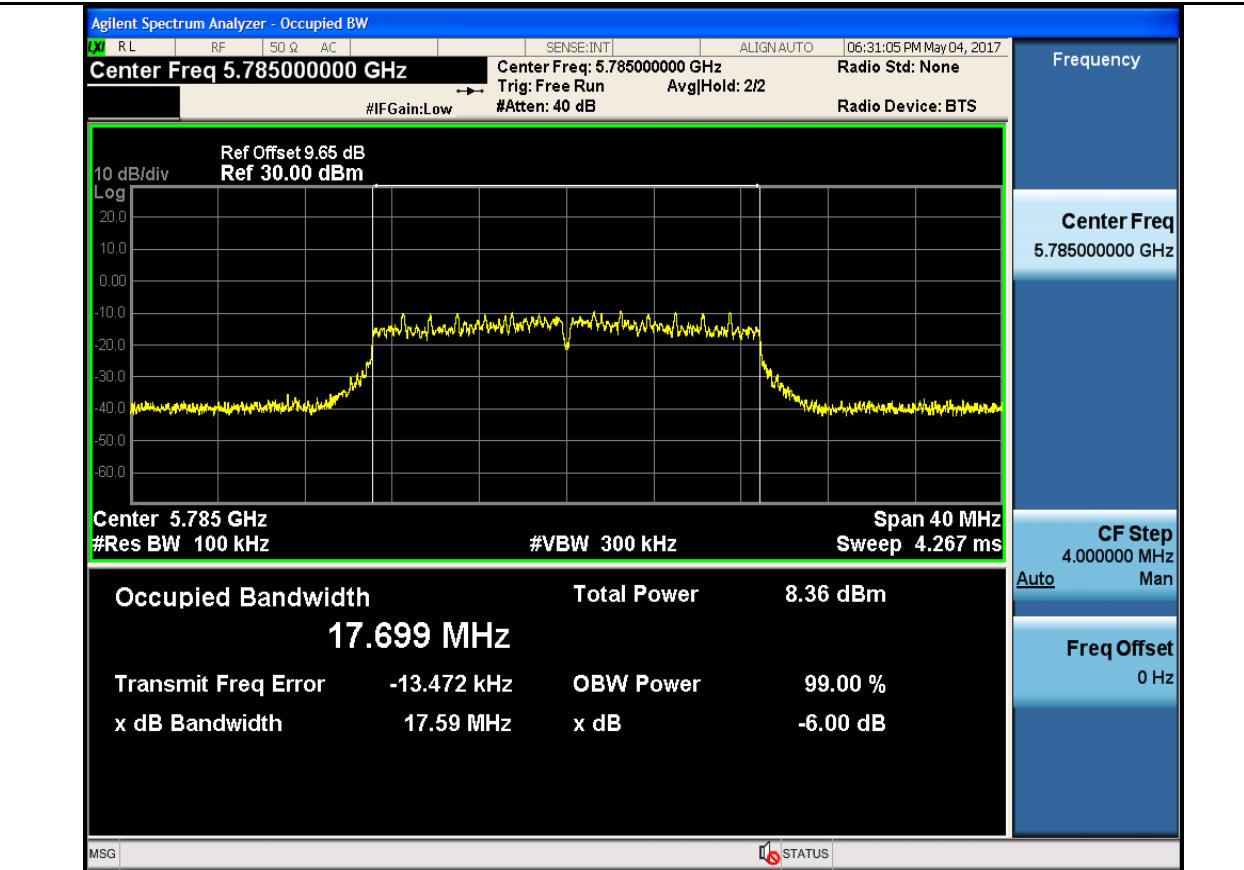
### Emission Bandwidth Measurement\_11N20\_5240\_Ant1



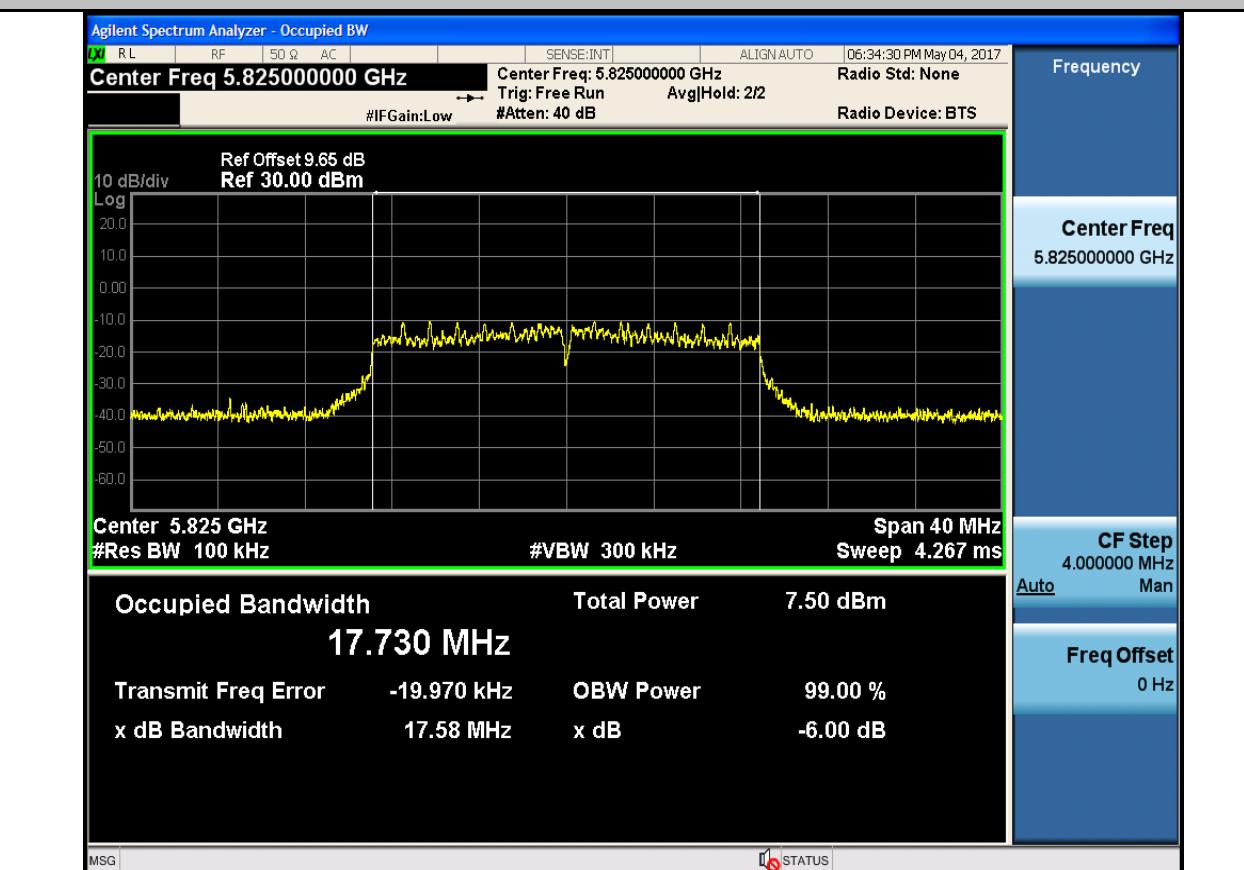
### Emission Bandwidth Measurement\_11N20\_5745\_Ant1



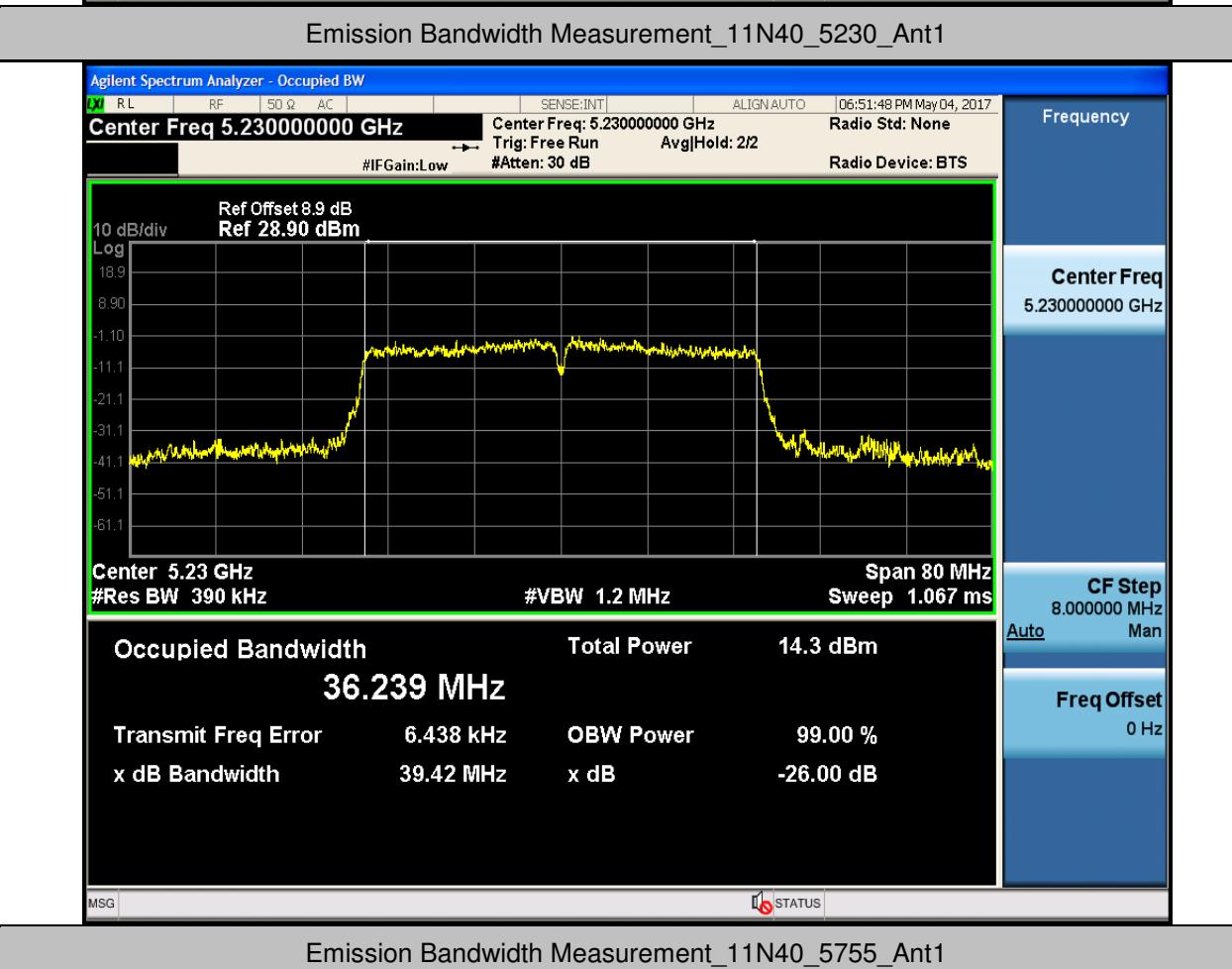
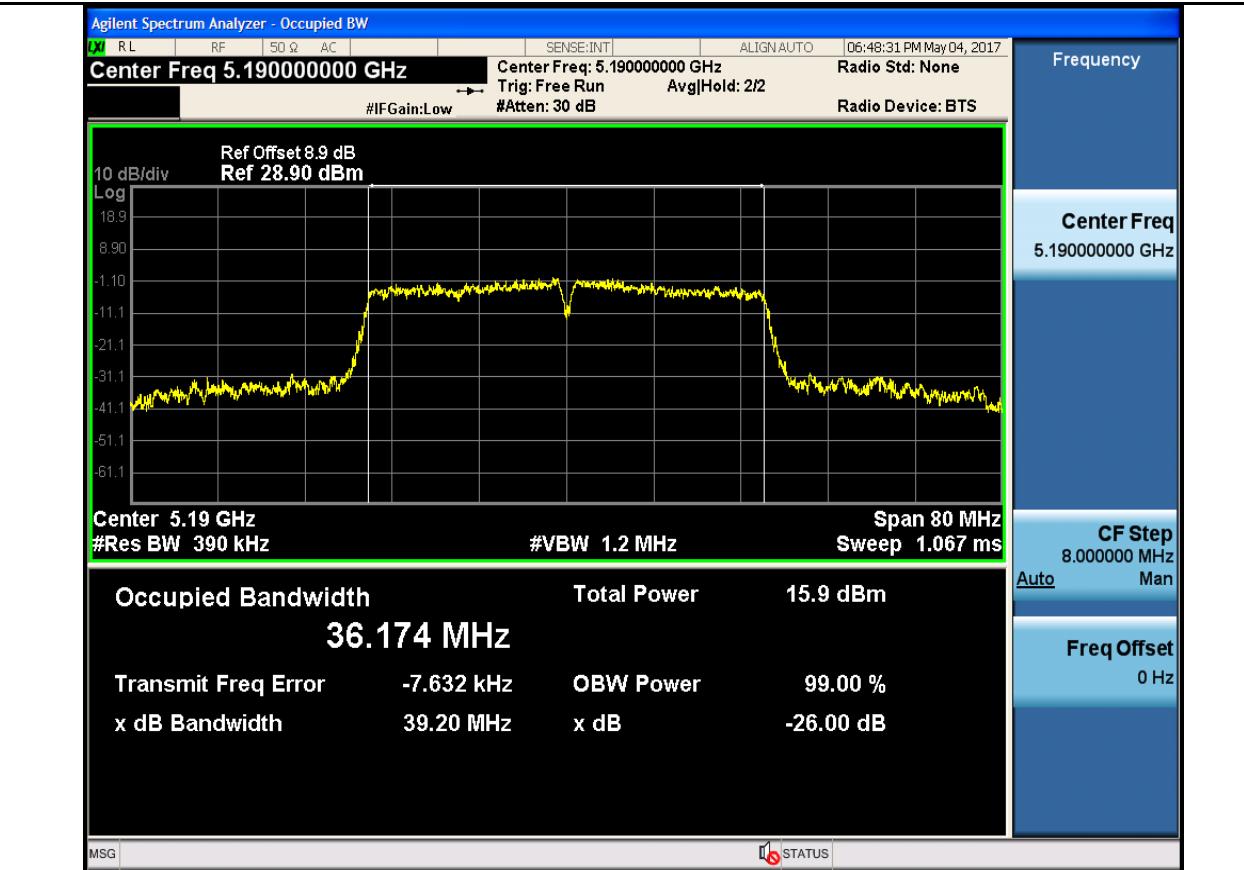
### Emission Bandwidth Measurement\_11N20\_5785\_Ant1



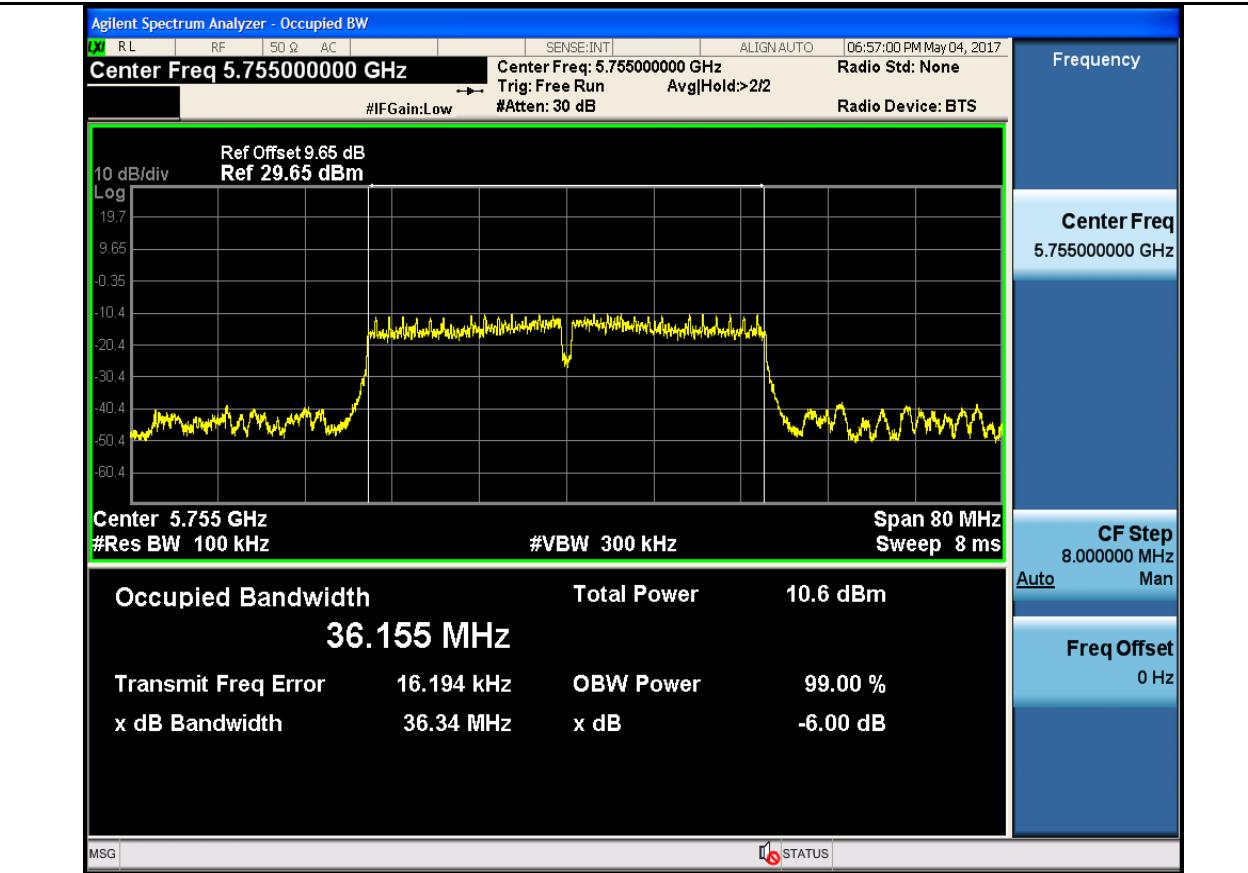
### Emission Bandwidth Measurement\_11N20\_5825\_Ant1



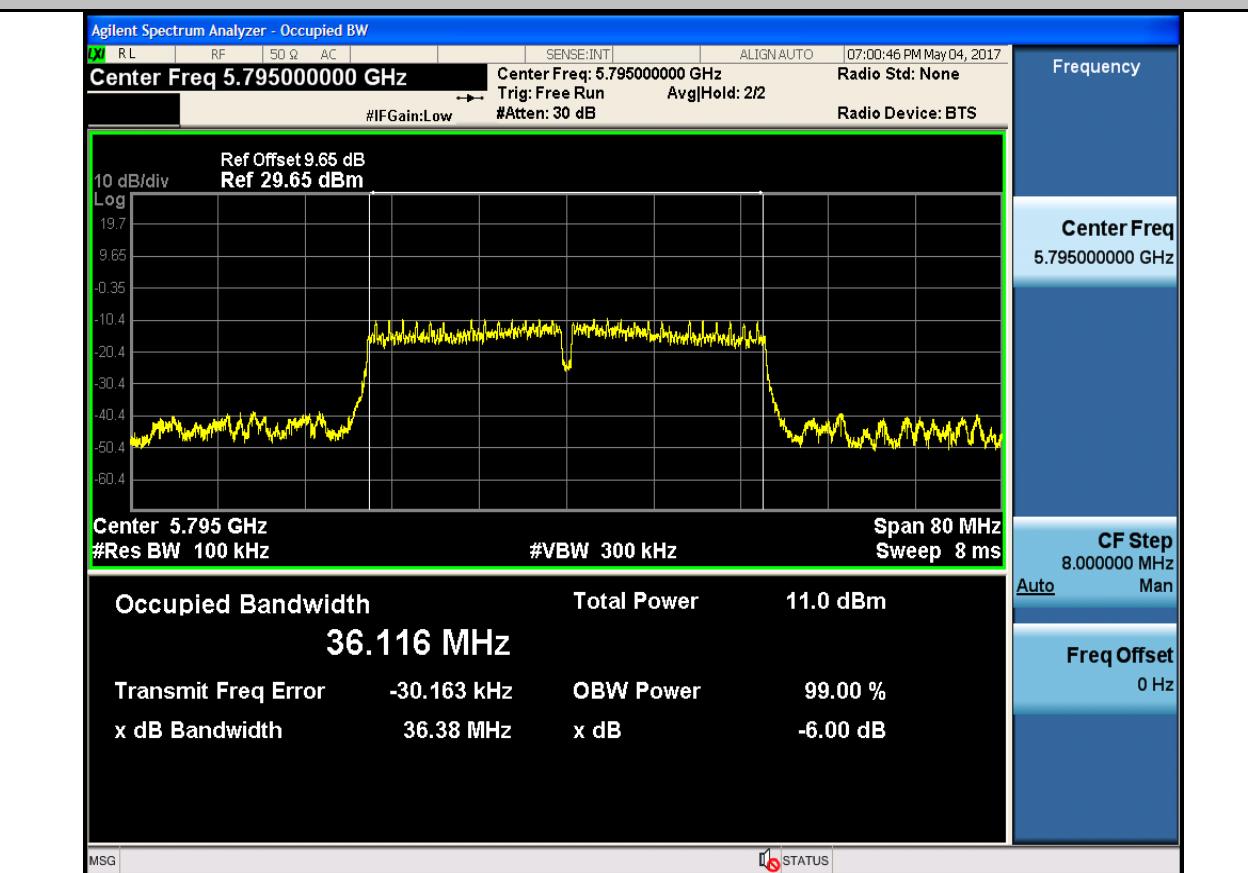
### Emission Bandwidth Measurement\_11N40\_5190\_Ant1



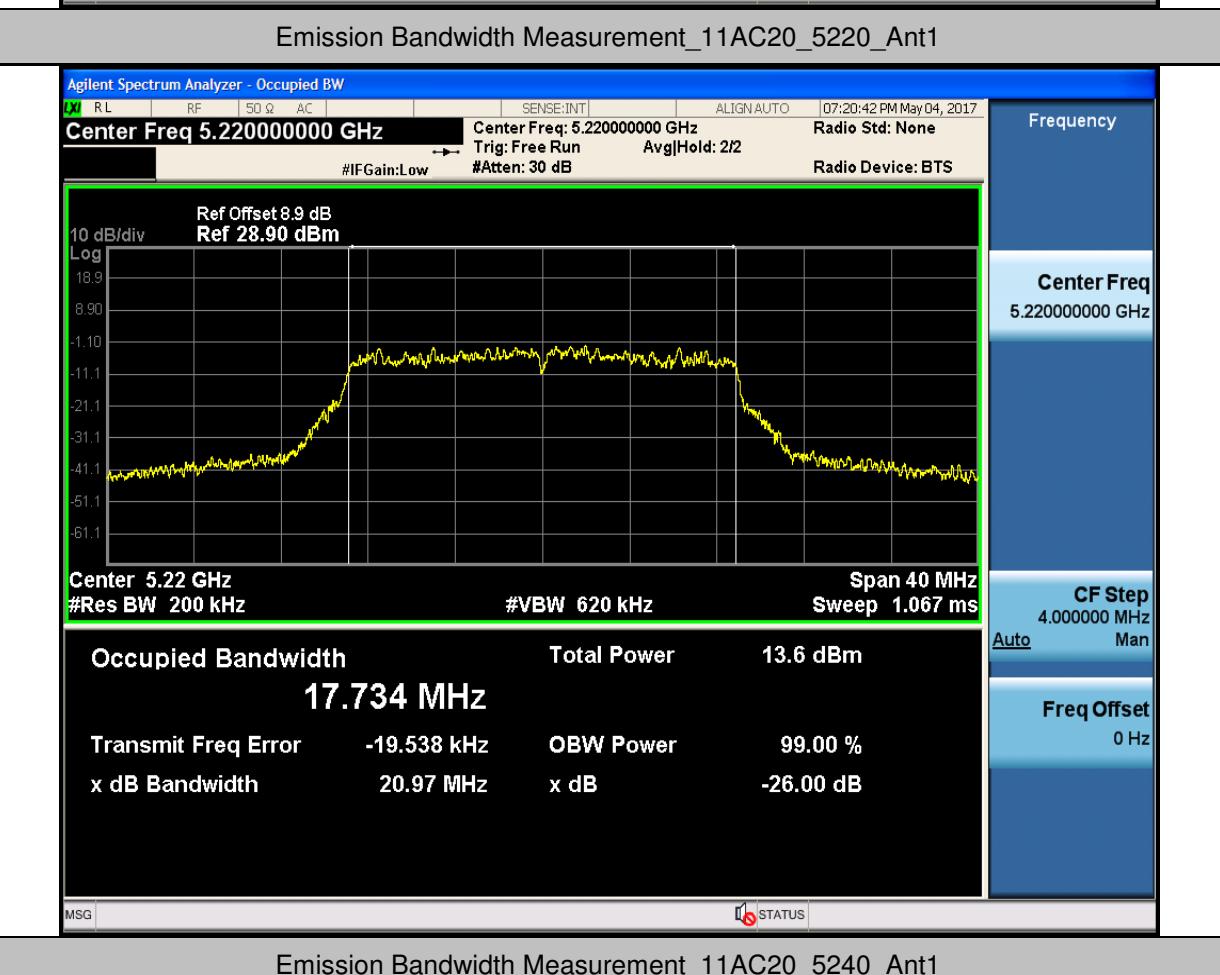
Emission Bandwidth Measurement\_11N40\_5755\_Ant1



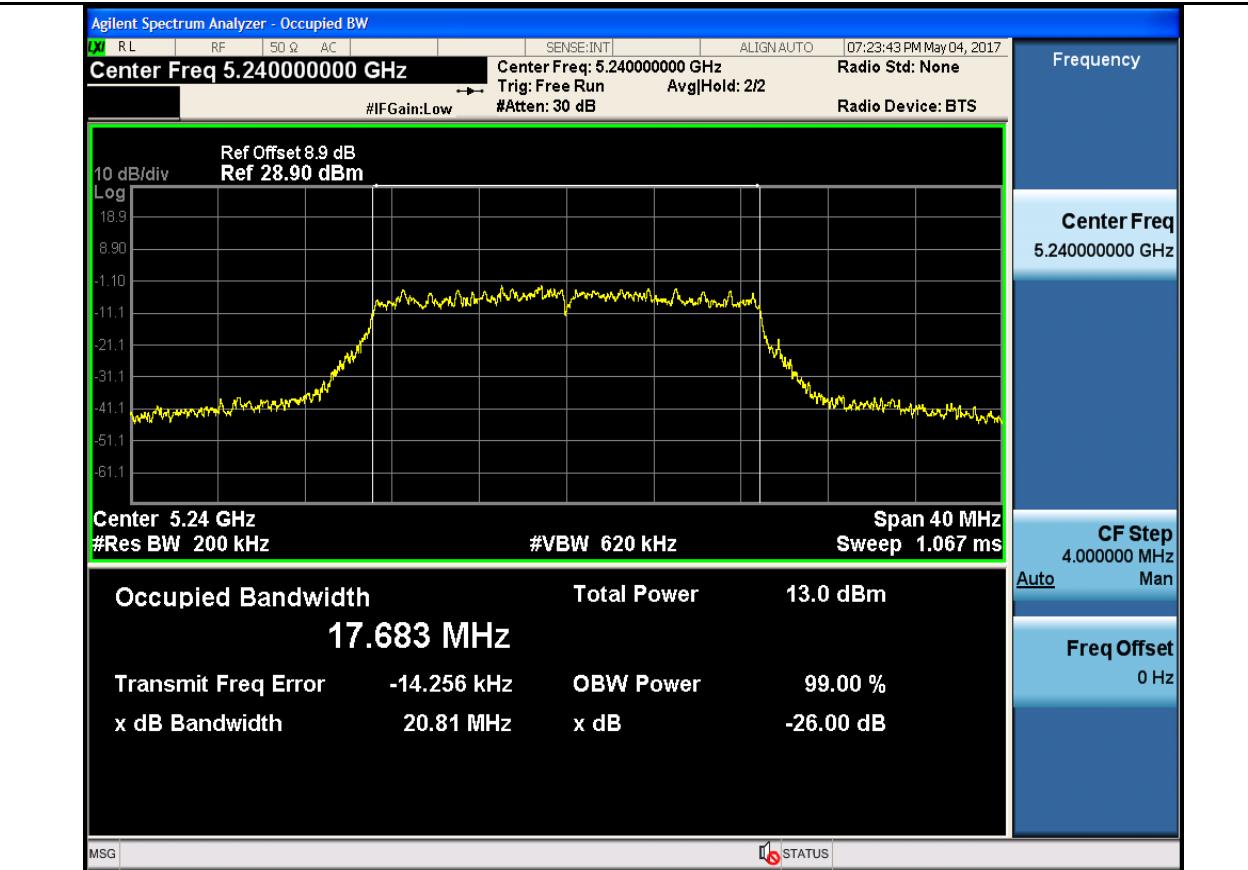
### Emission Bandwidth Measurement\_11N40\_5795\_Ant1



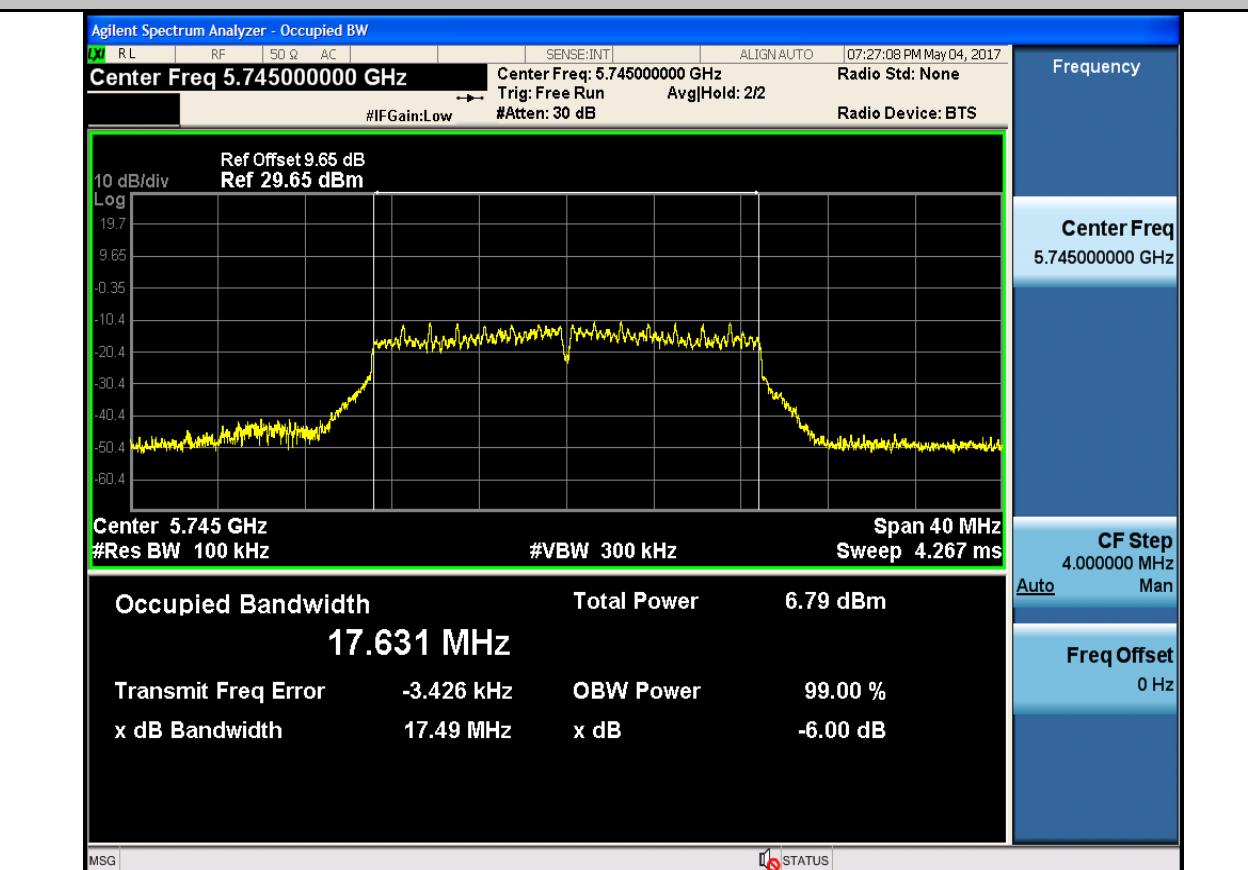
### Emission Bandwidth Measurement\_11AC20\_5180\_Ant1



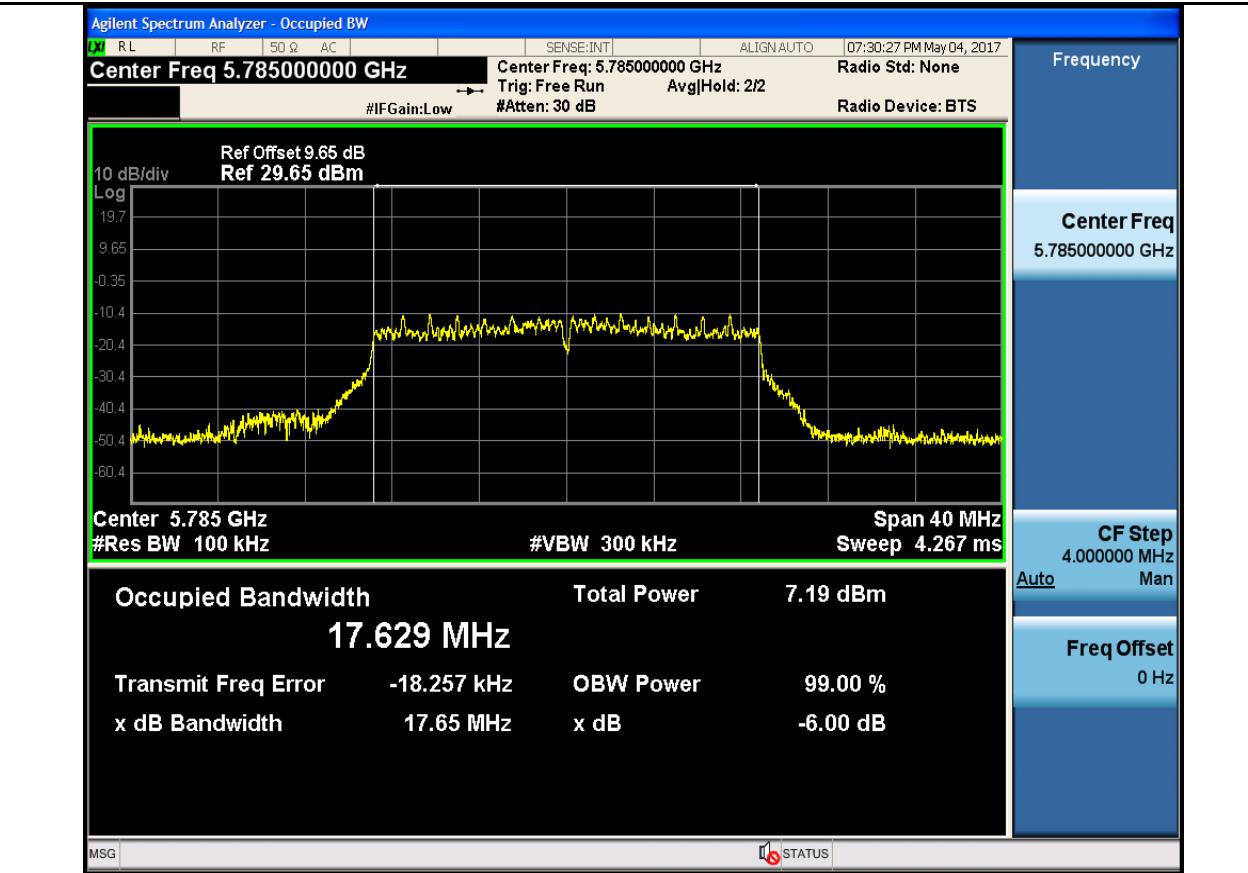
Emission Bandwidth Measurement\_11AC20\_5240\_Ant1



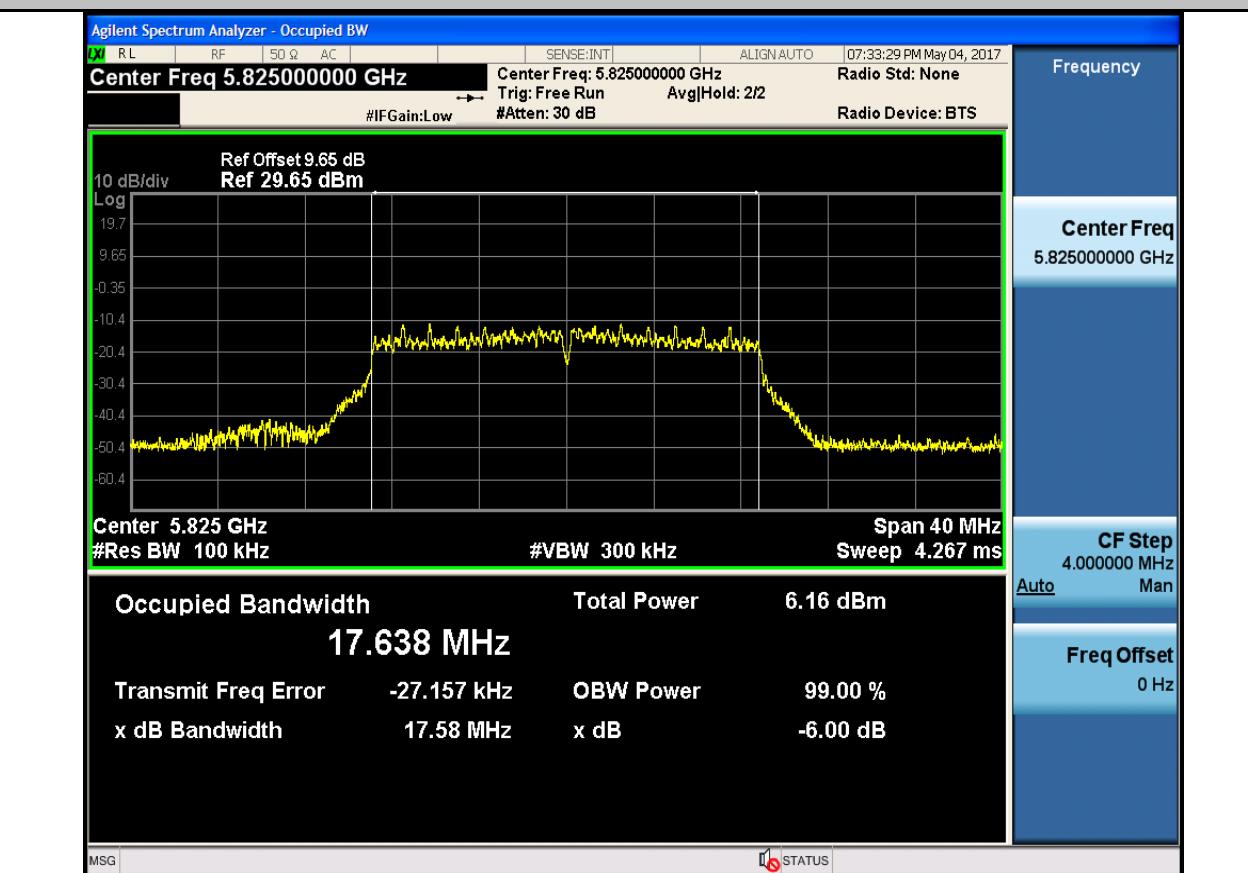
Emission Bandwidth Measurement\_11AC20\_5745\_Ant1



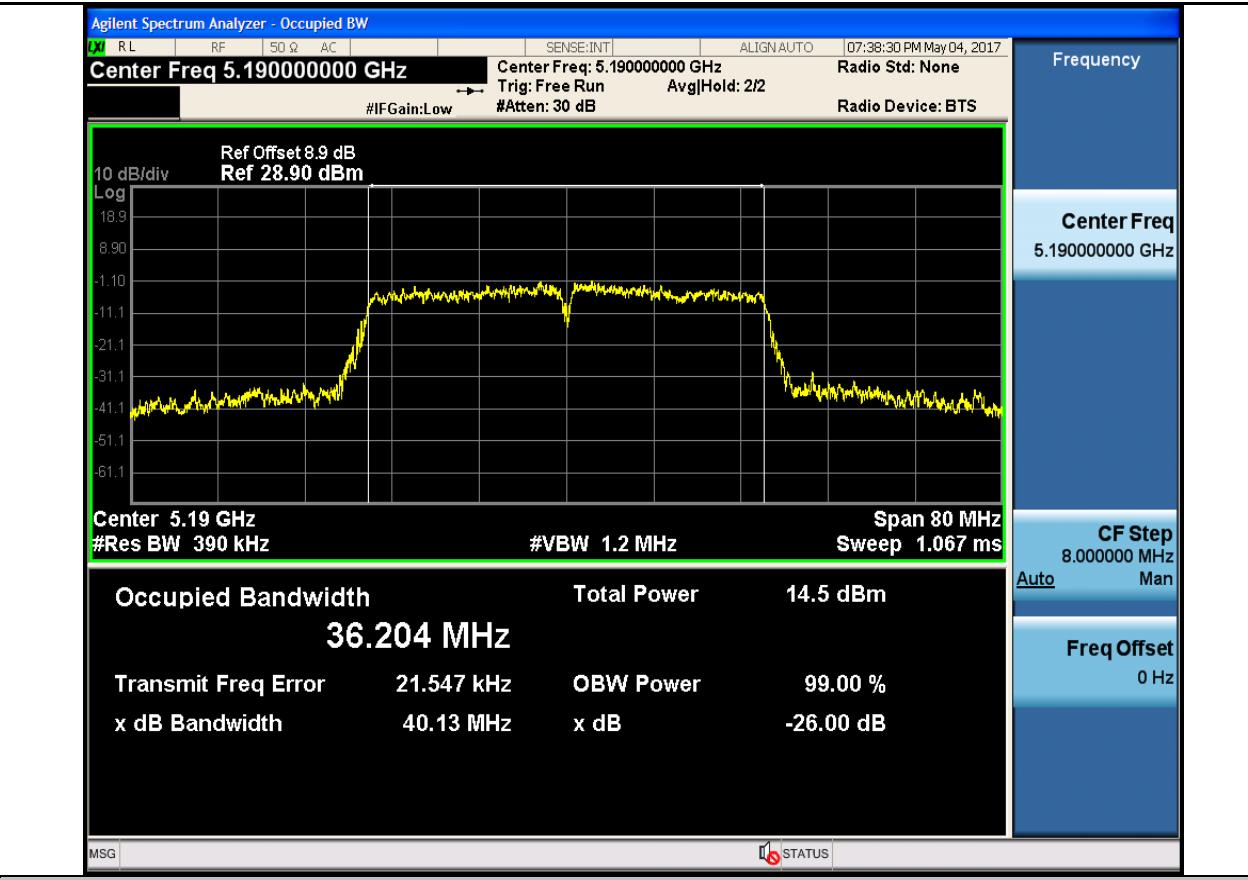
Emission Bandwidth Measurement\_11AC20\_5785\_Ant1



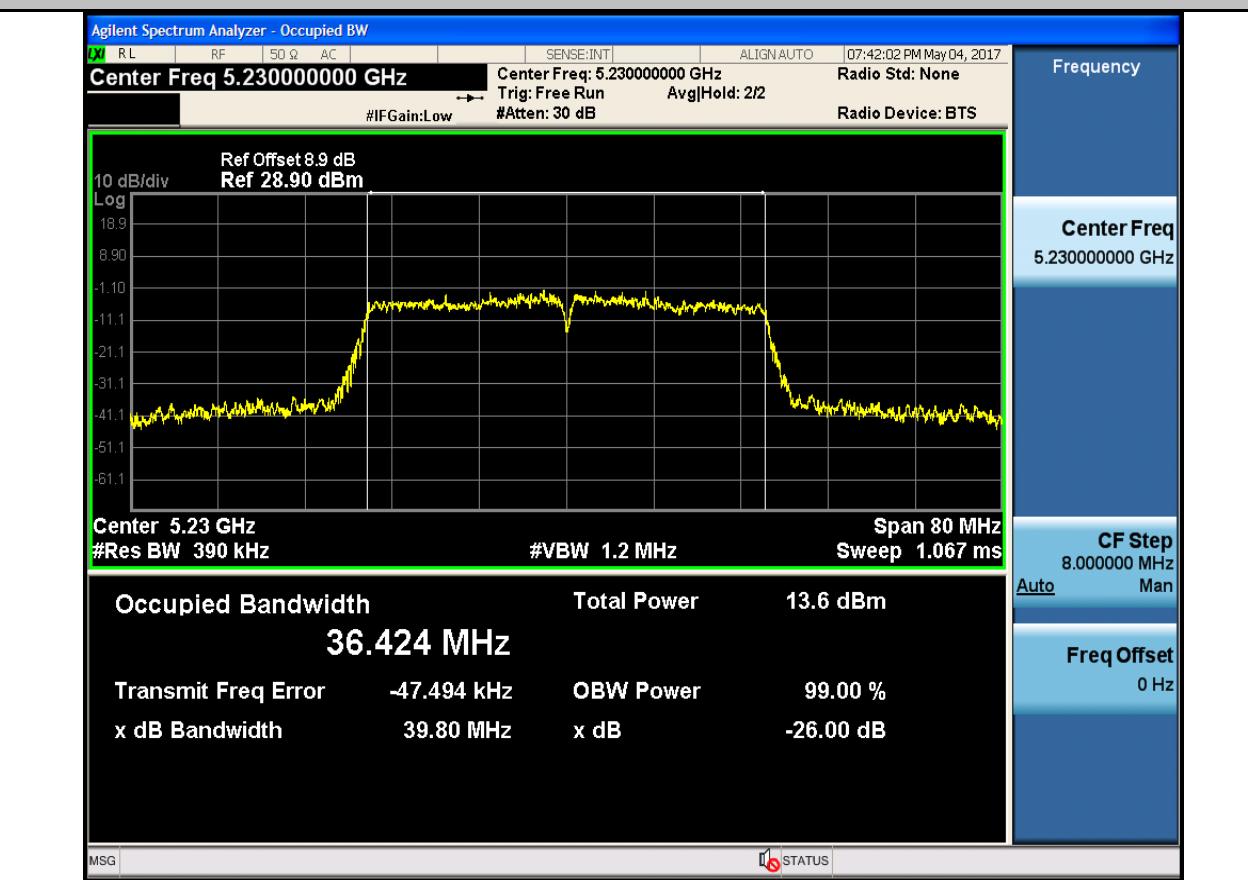
Emission Bandwidth Measurement\_11AC20\_5825\_Ant1



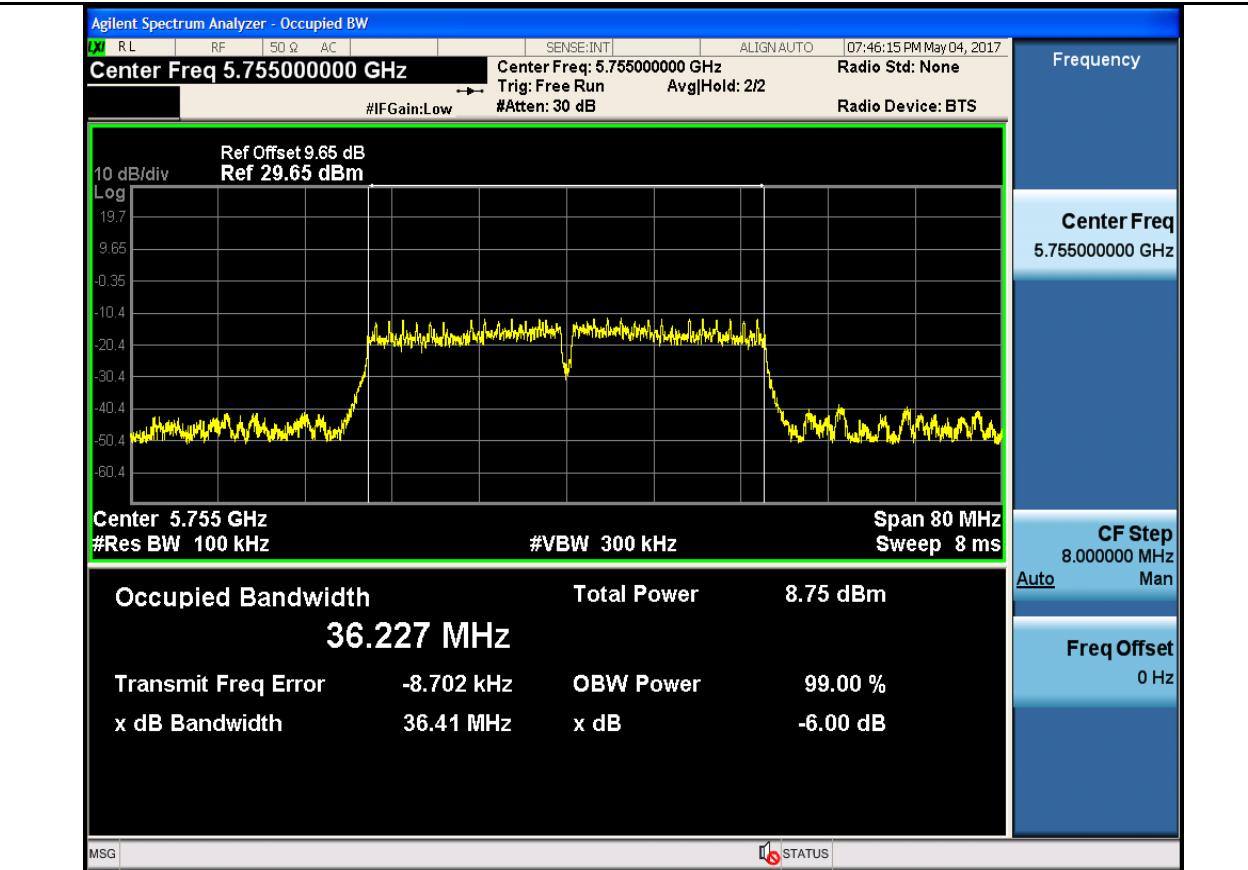
Emission Bandwidth Measurement\_11AC40\_5190\_Ant1



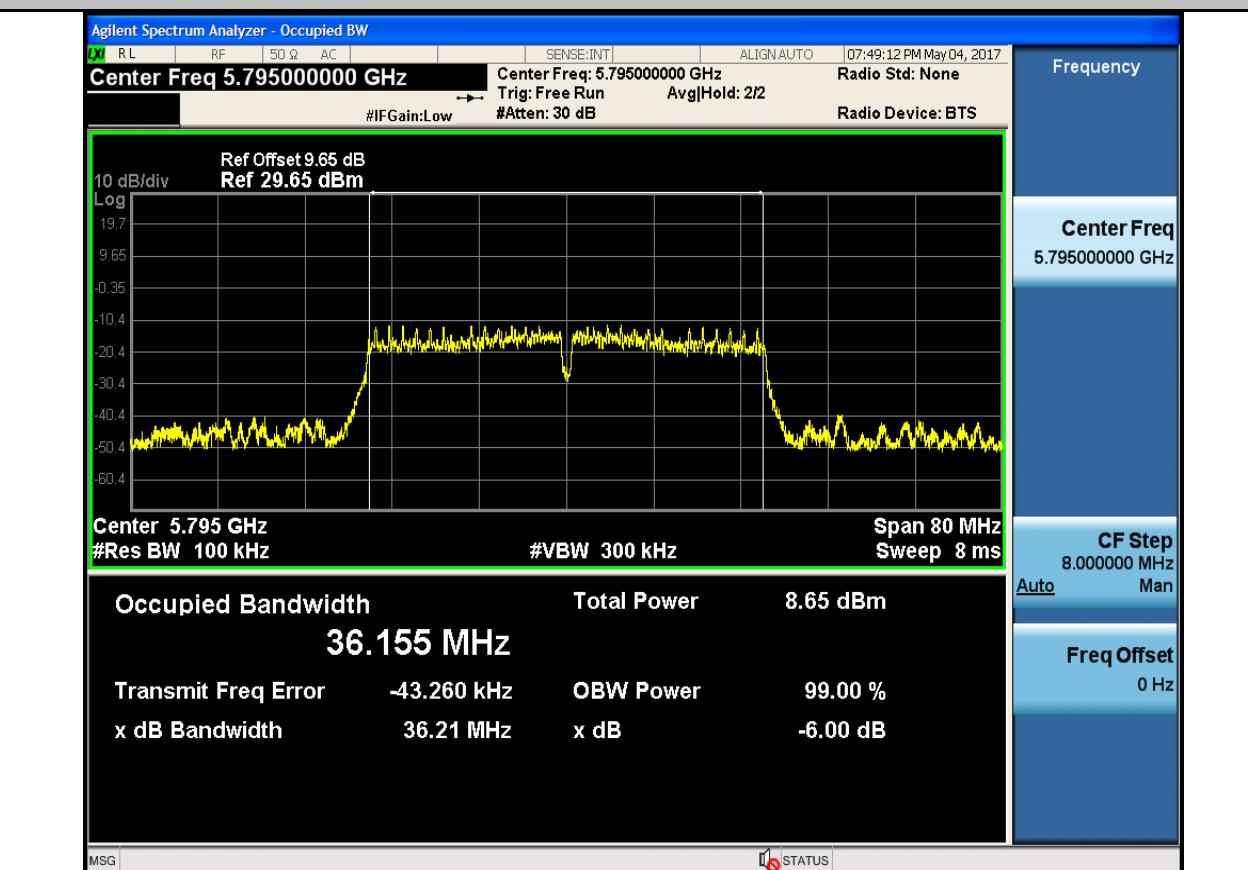
Emission Bandwidth Measurement\_11AC40\_5230\_Ant1



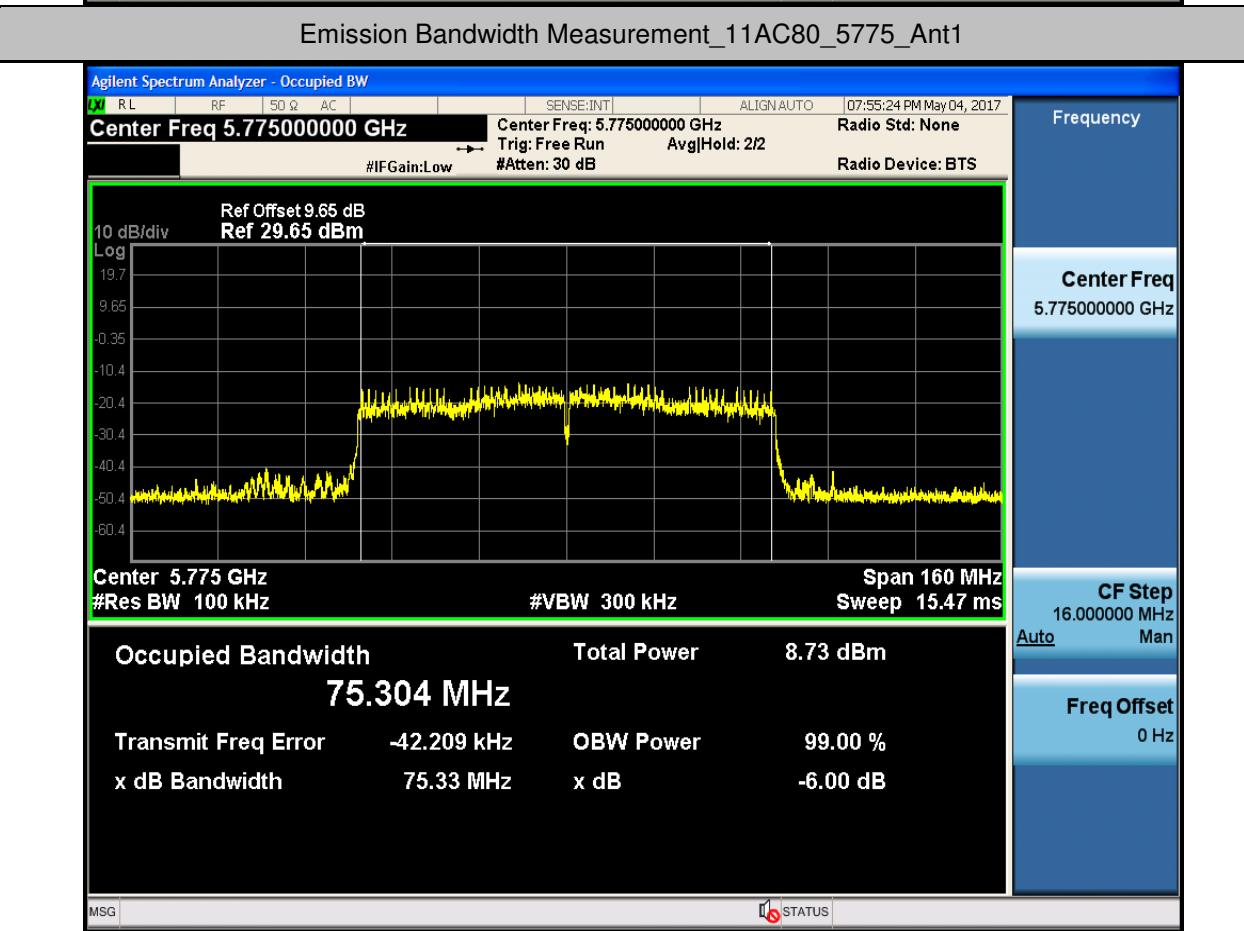
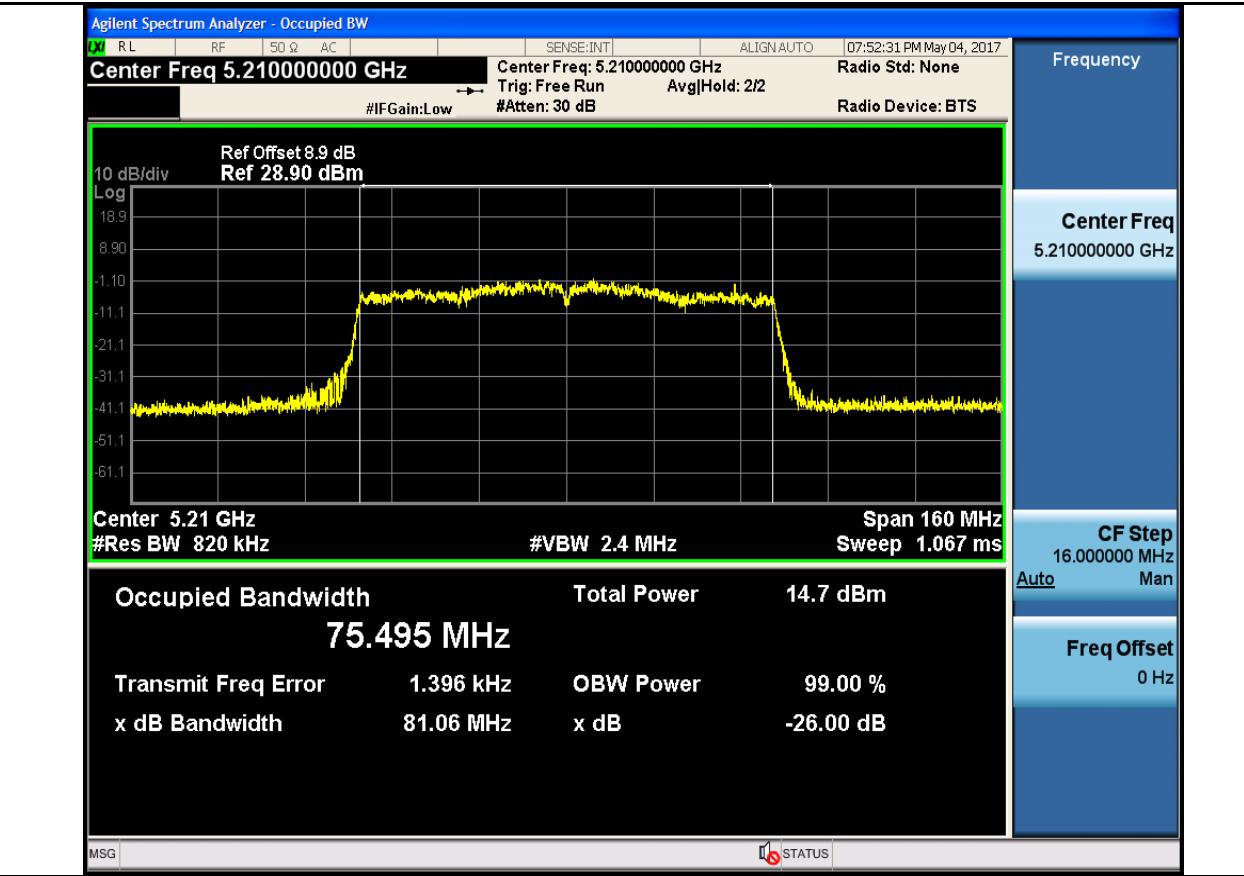
Emission Bandwidth Measurement\_11AC40\_5755\_Ant1



Emission Bandwidth Measurement\_11AC40\_5795\_Ant1

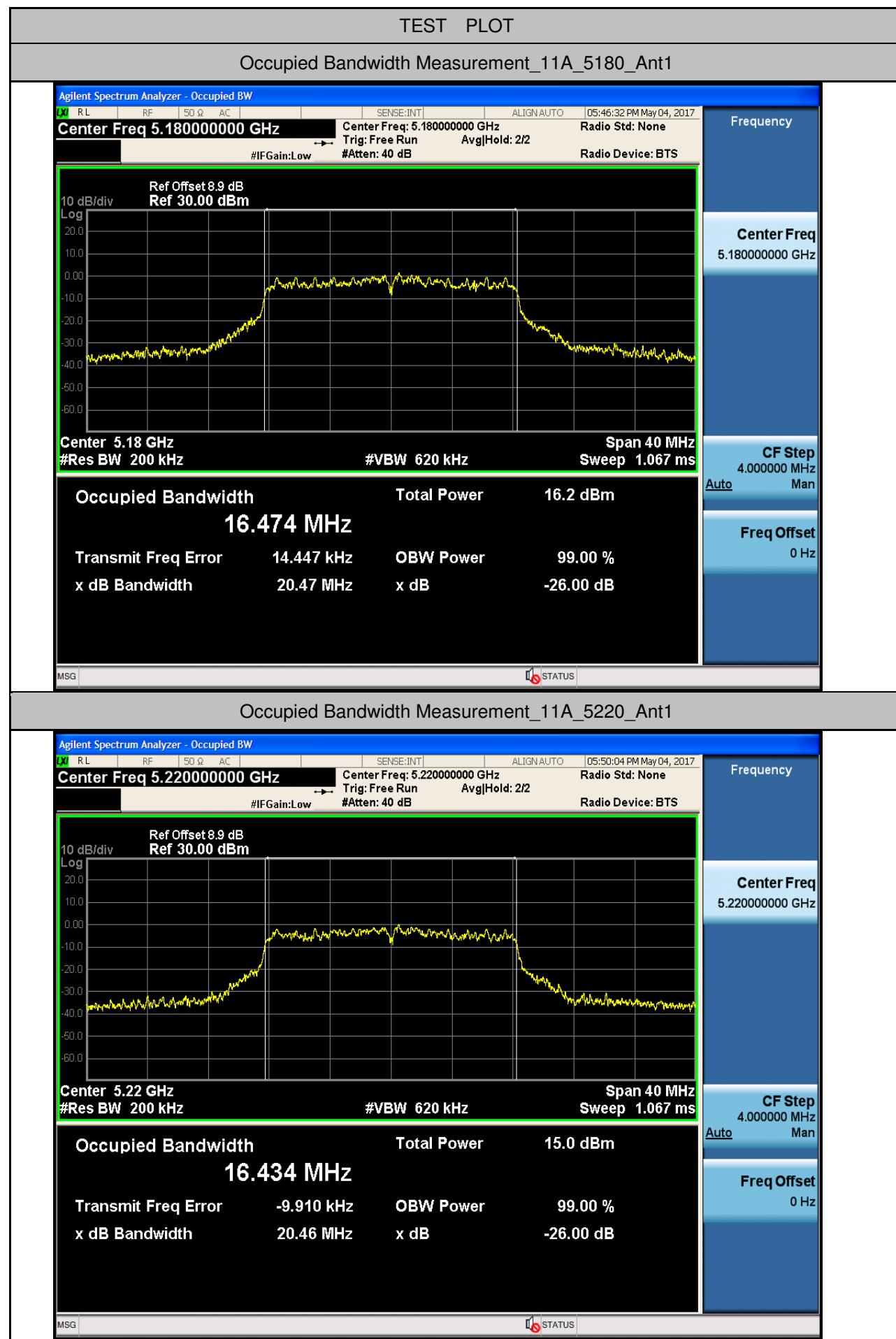


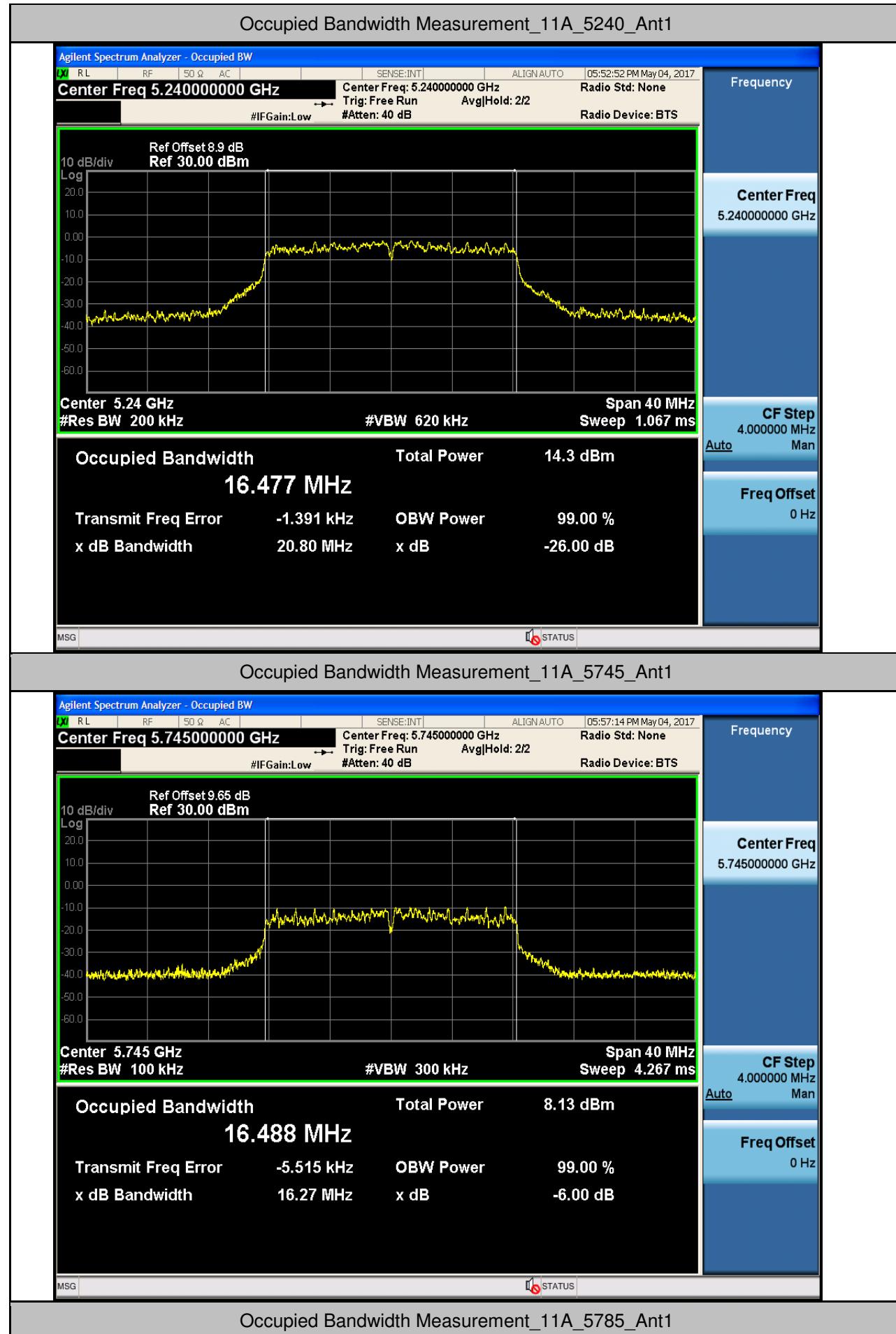
Emission Bandwidth Measurement\_11AC80\_5210\_Ant1

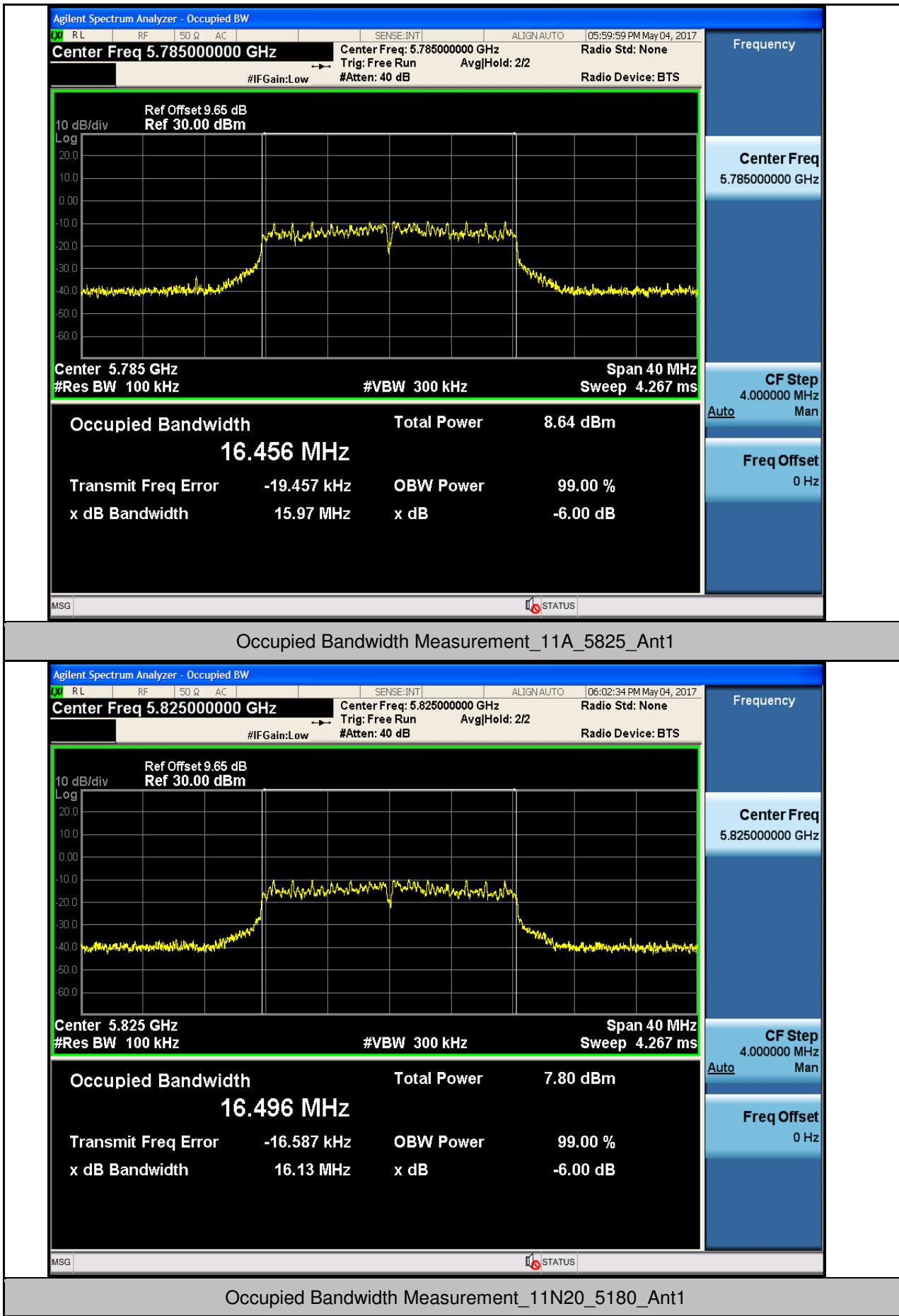


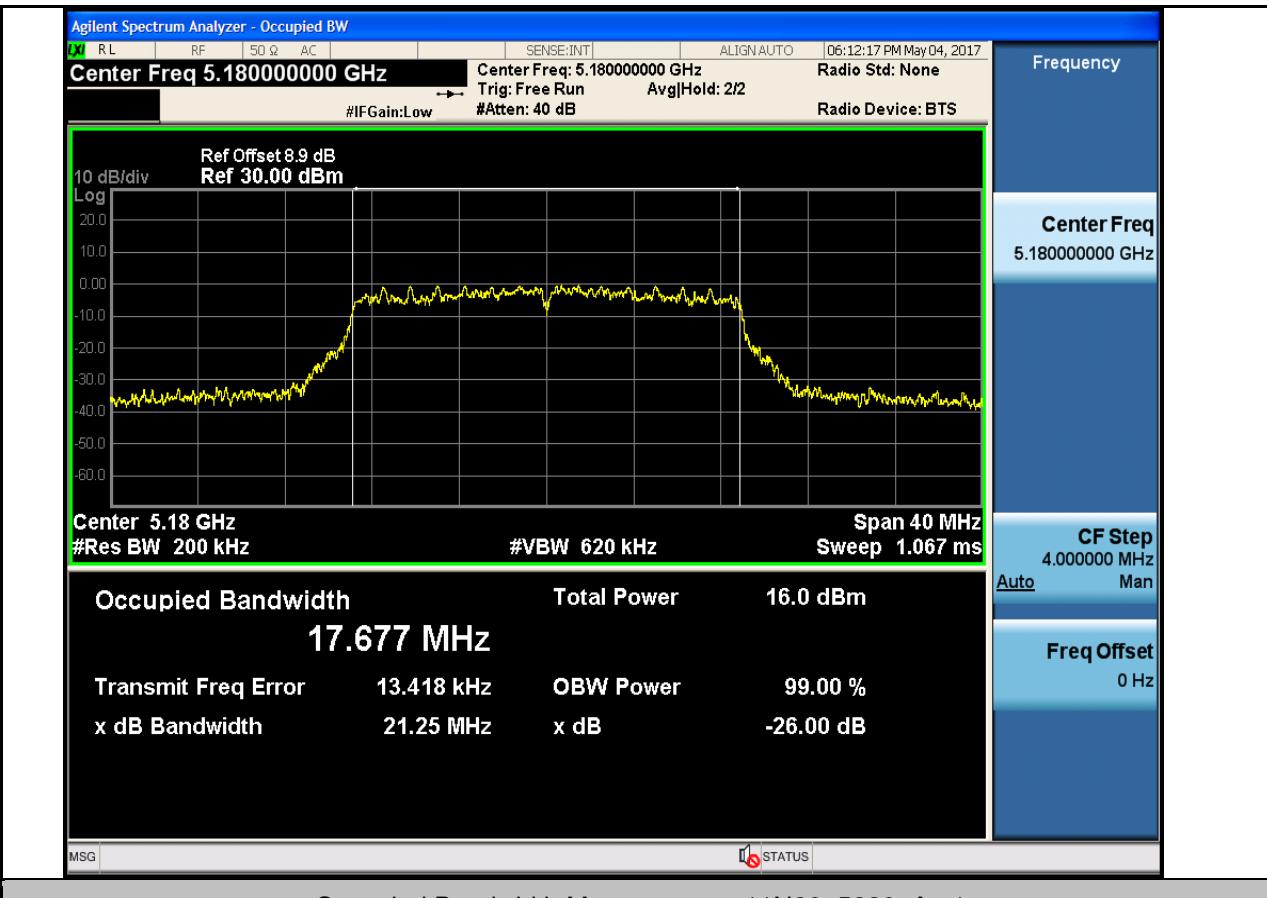
## 2. 99% Occupied bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
11A	5180	Ant1	16.474	---	PASS
11A	5220	Ant1	16.434	---	PASS
11A	5240	Ant1	16.477	---	PASS
11A	5745	Ant1	16.488	---	PASS
11A	5785	Ant1	16.456	---	PASS
11A	5825	Ant1	16.496	---	PASS
11N20	5180	Ant1	17.677	---	PASS
11N20	5220	Ant1	17.714	---	PASS
11N20	5240	Ant1	17.727	---	PASS
11N20	5745	Ant1	17.717	---	PASS
11N20	5785	Ant1	17.717	---	PASS
11N20	5825	Ant1	17.716	---	PASS
11N40	5190	Ant1	36.158	---	PASS
11N40	5230	Ant1	36.192	---	PASS
11N40	5755	Ant1	36.126	---	PASS
11N40	5795	Ant1	36.081	---	PASS
11AC20	5180	Ant1	17.701	---	PASS
11AC20	5220	Ant1	17.709	---	PASS
11AC20	5240	Ant1	17.712	---	PASS
11AC20	5745	Ant1	17.610	---	PASS
11AC20	5785	Ant1	17.633	---	PASS
11AC20	5825	Ant1	17.635	---	PASS
11AC40	5190	Ant1	36.239	---	PASS
11AC40	5230	Ant1	36.355	---	PASS
11AC40	5755	Ant1	36.197	---	PASS
11AC40	5795	Ant1	36.129	---	PASS
11AC80	5210	Ant1	75.480	---	PASS
11AC80	5775	Ant1	75.322	---	PASS

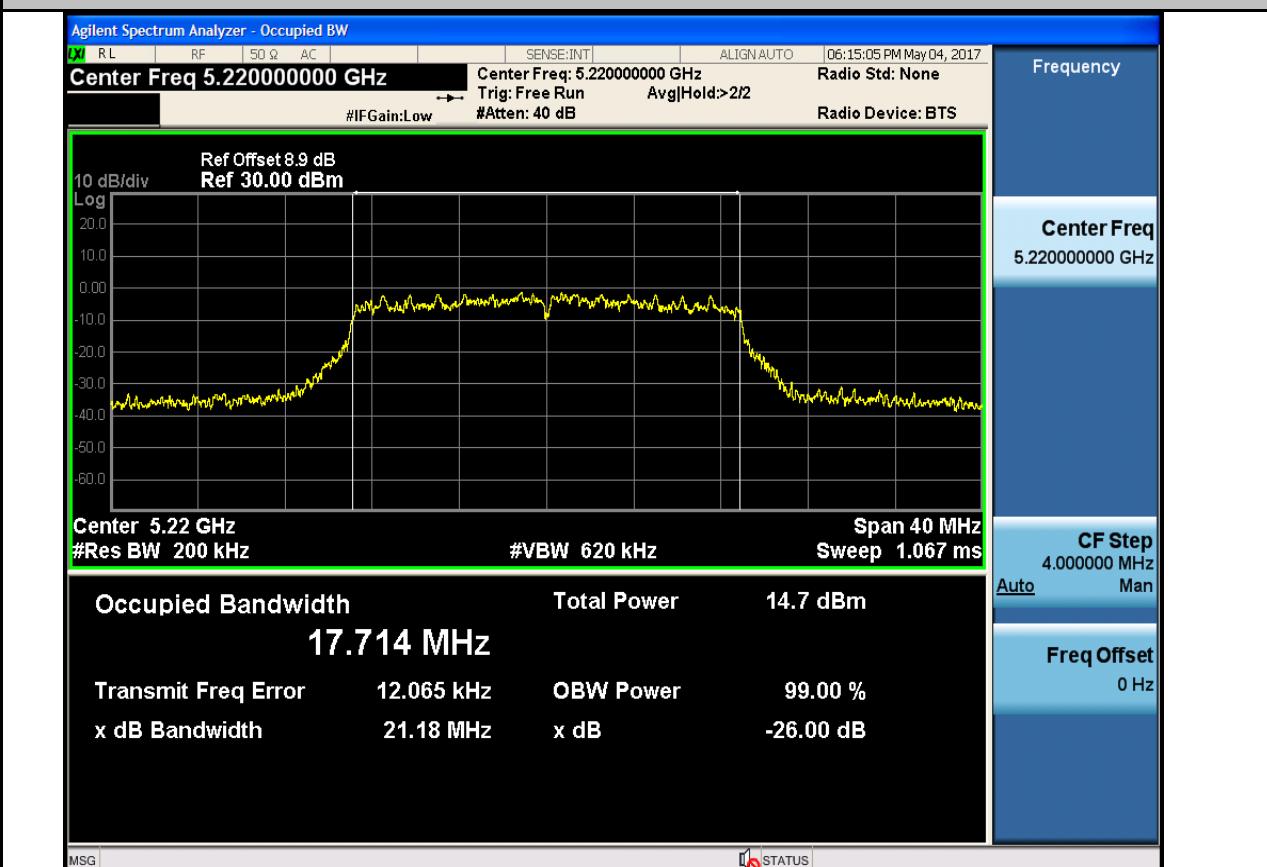




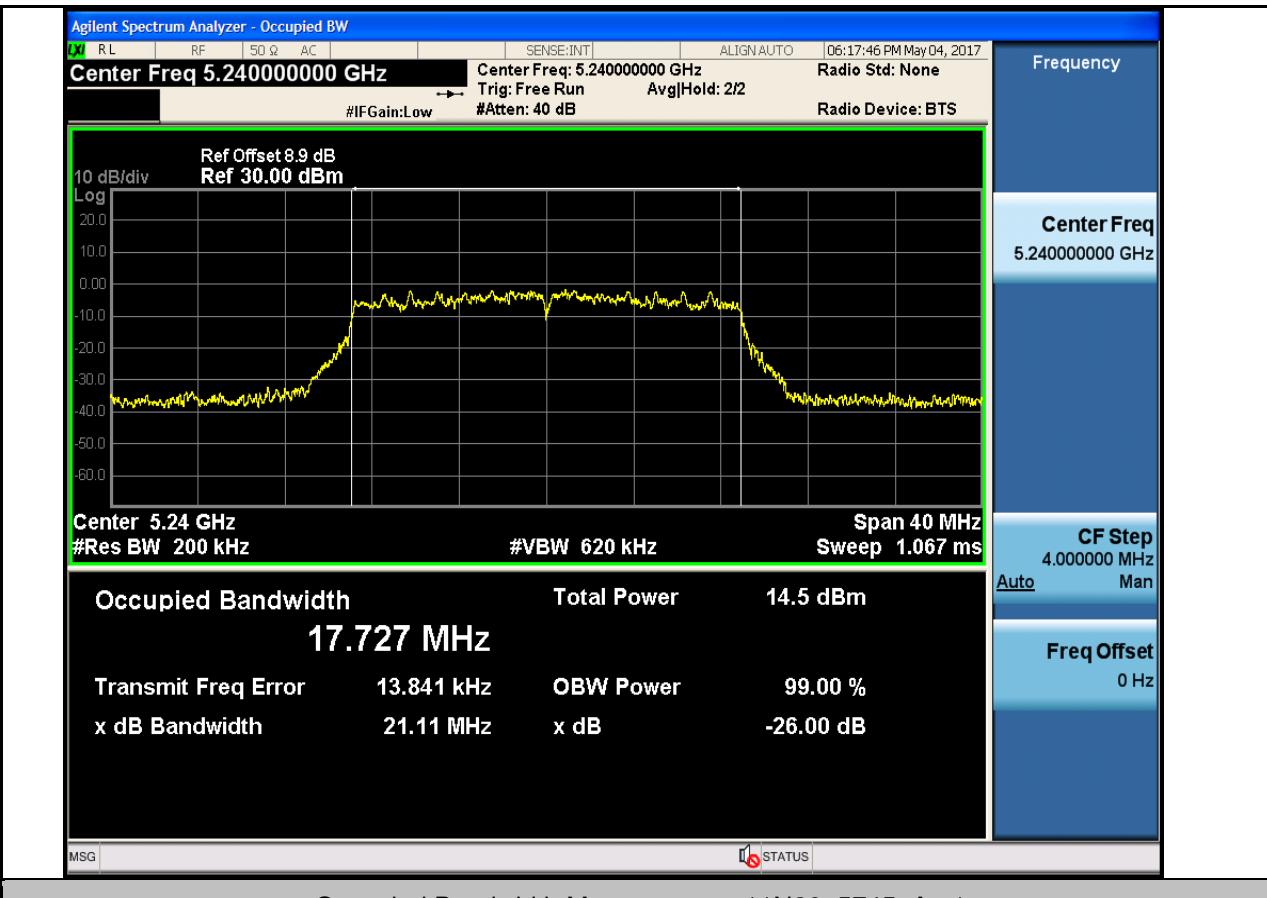




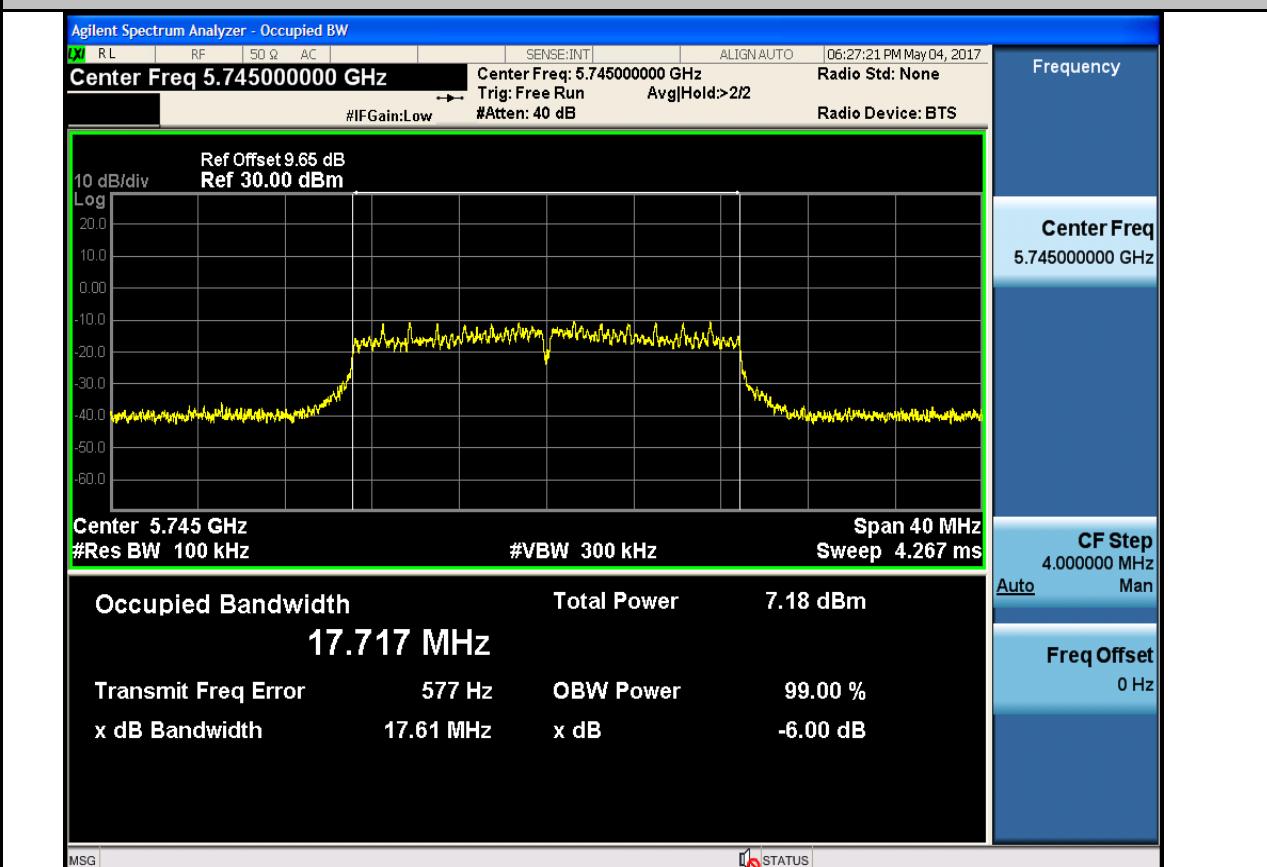
### Occupied Bandwidth Measurement\_11N20\_5220\_Ant1



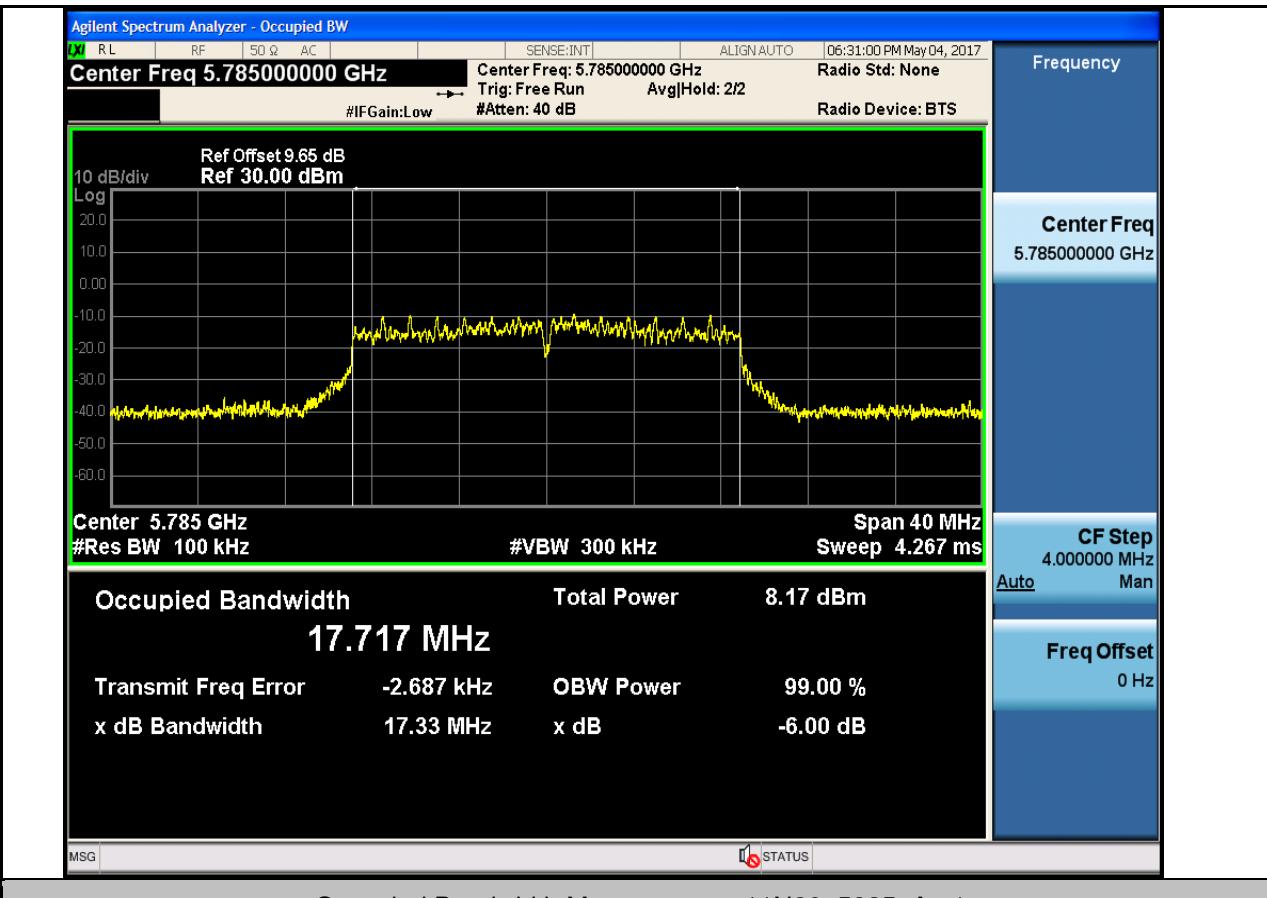
### Occupied Bandwidth Measurement\_11N20\_5240\_Ant1



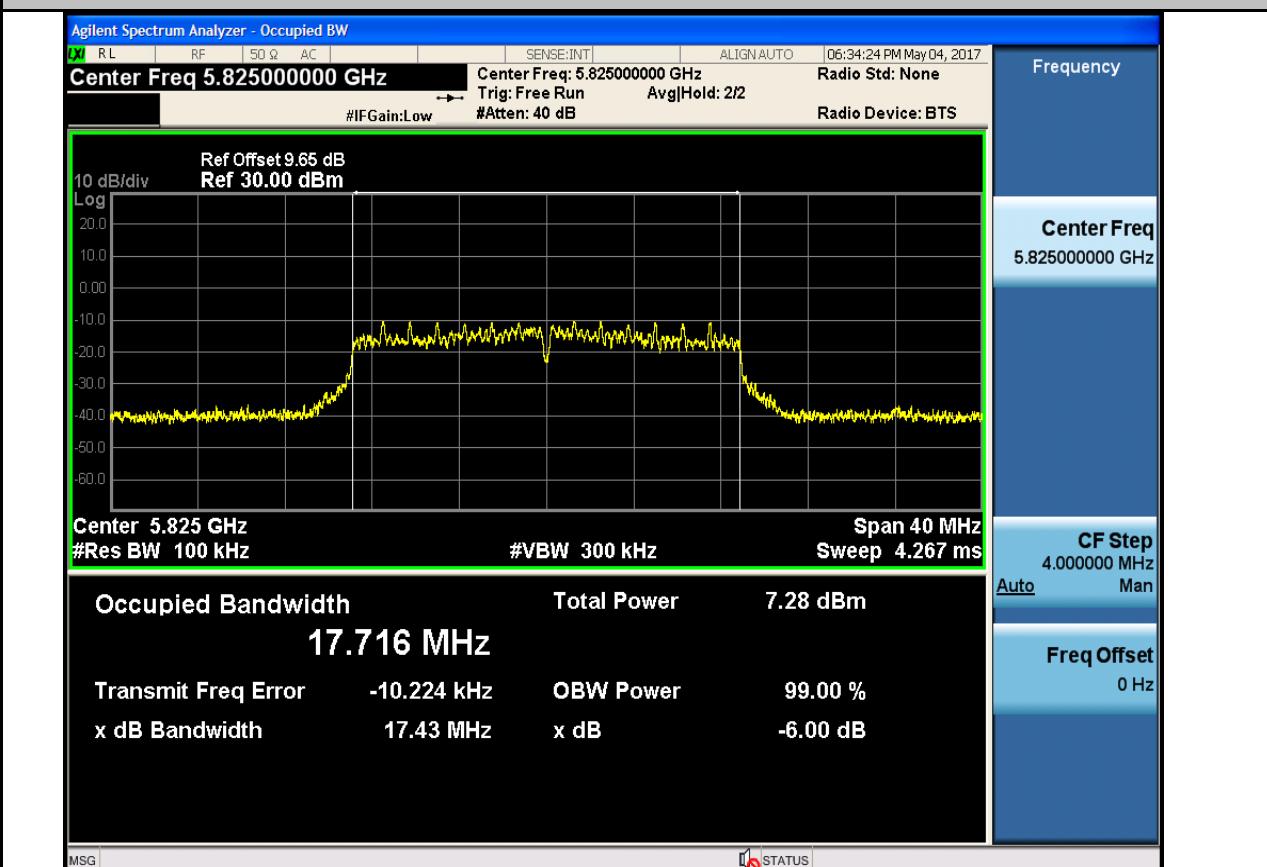
### Occupied Bandwidth Measurement\_11N20\_5745\_Ant1



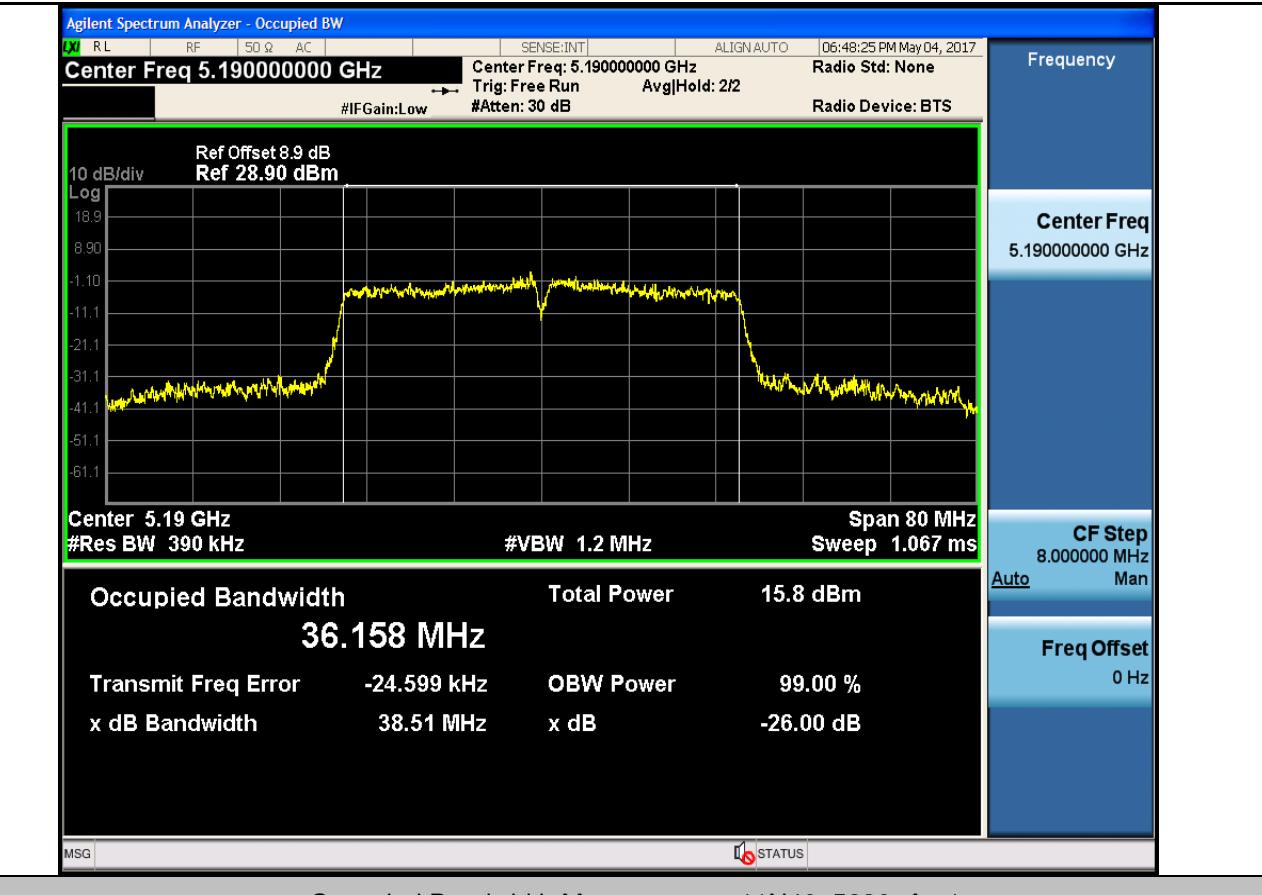
### Occupied Bandwidth Measurement\_11N20\_5785\_Ant1



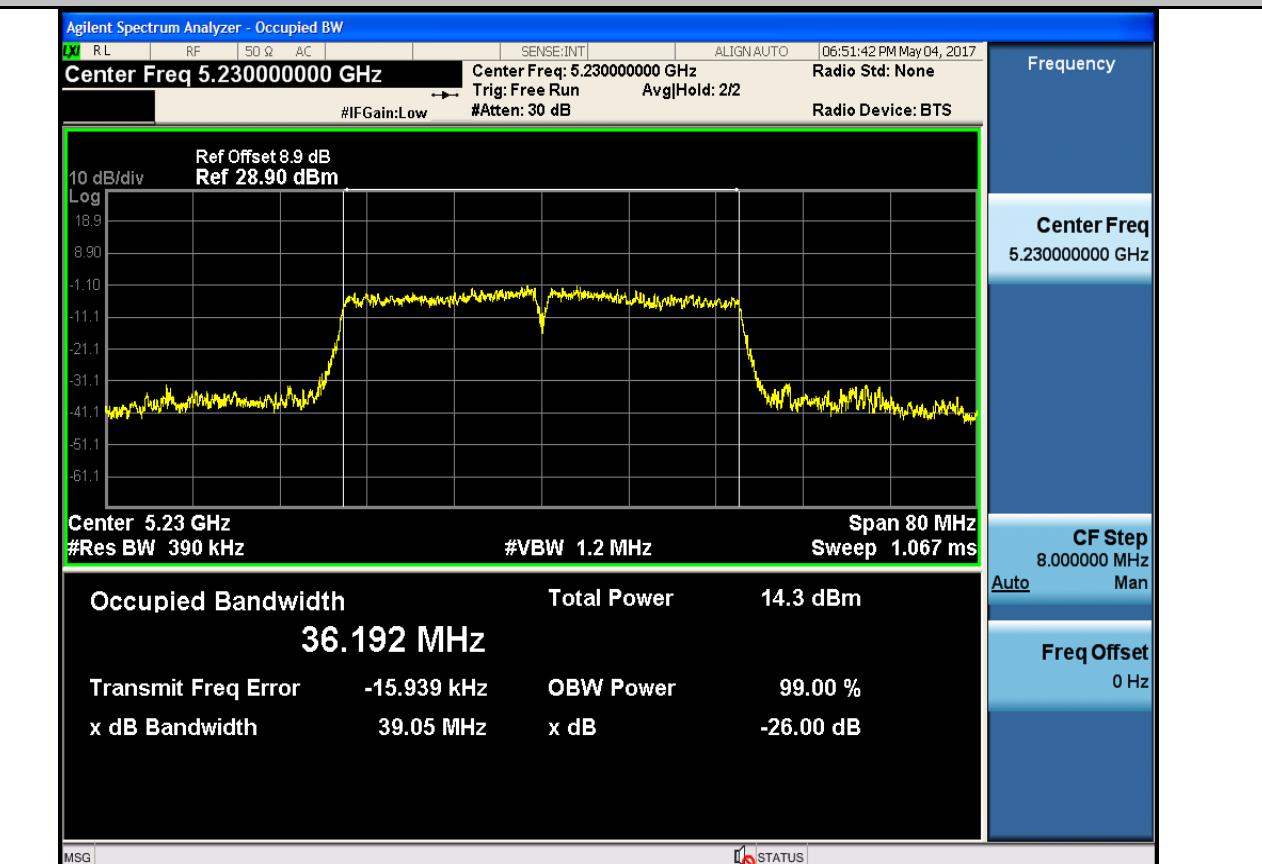
#### Occupied Bandwidth Measurement\_11N20\_5825\_Ant1



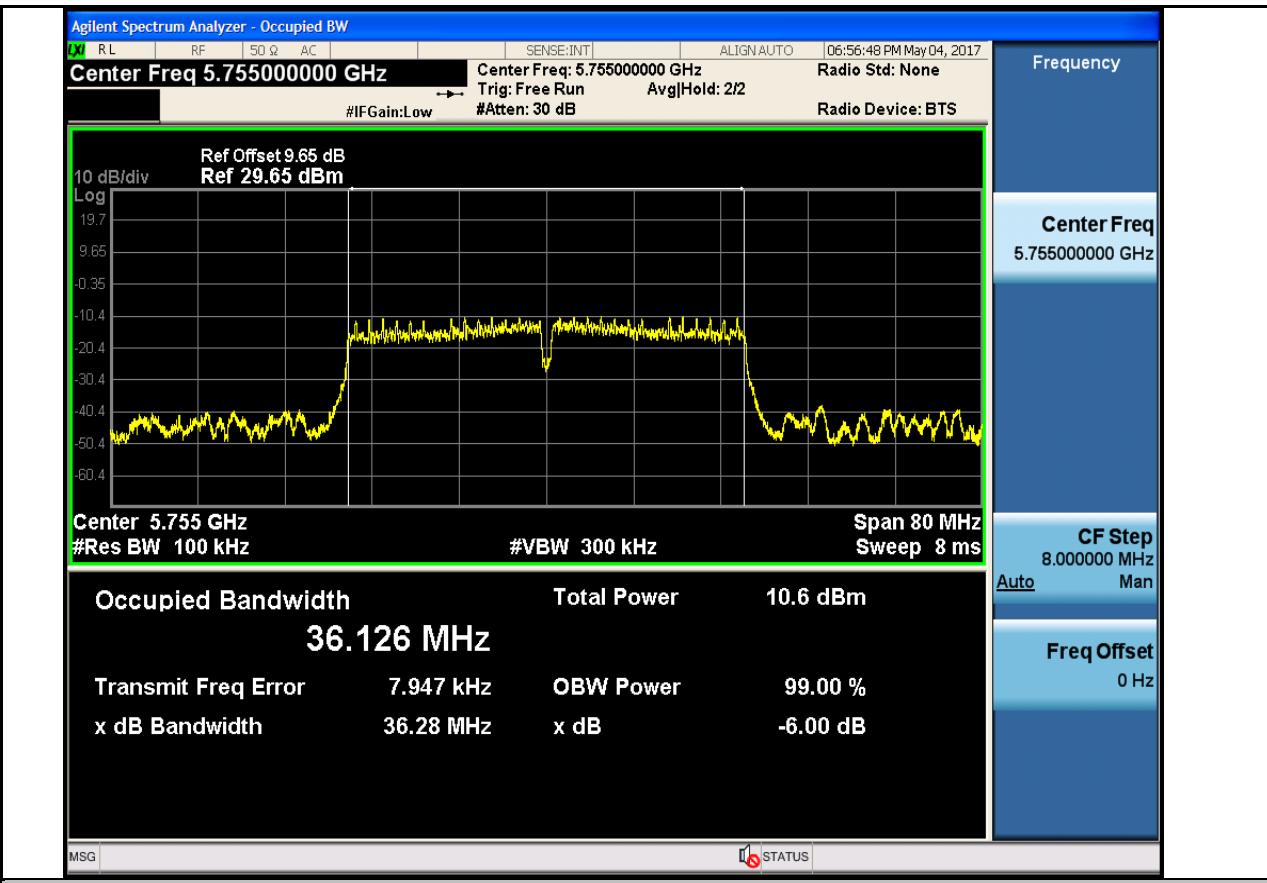
#### Occupied Bandwidth Measurement\_11N40\_5190\_Ant1



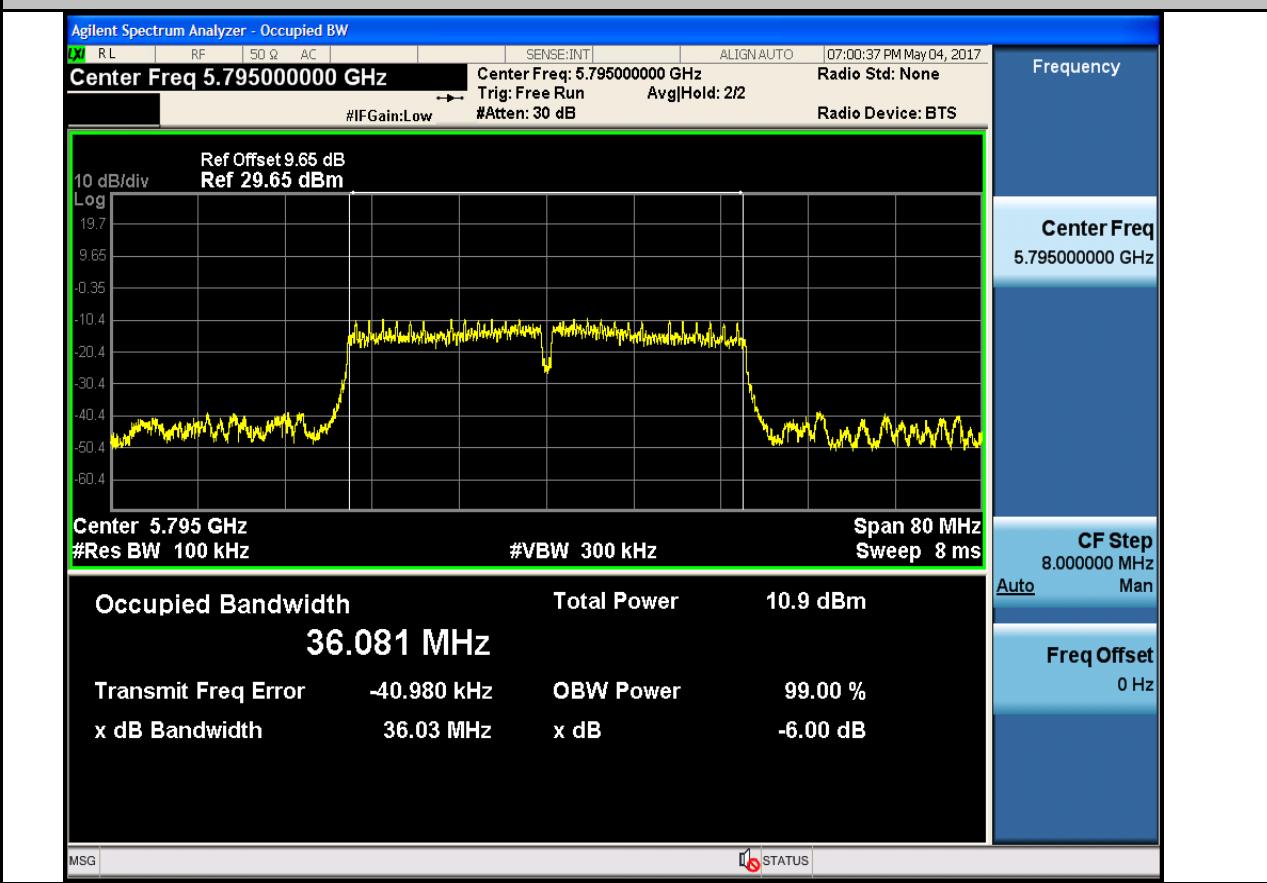
### Occupied Bandwidth Measurement\_11N40\_5230\_Ant1



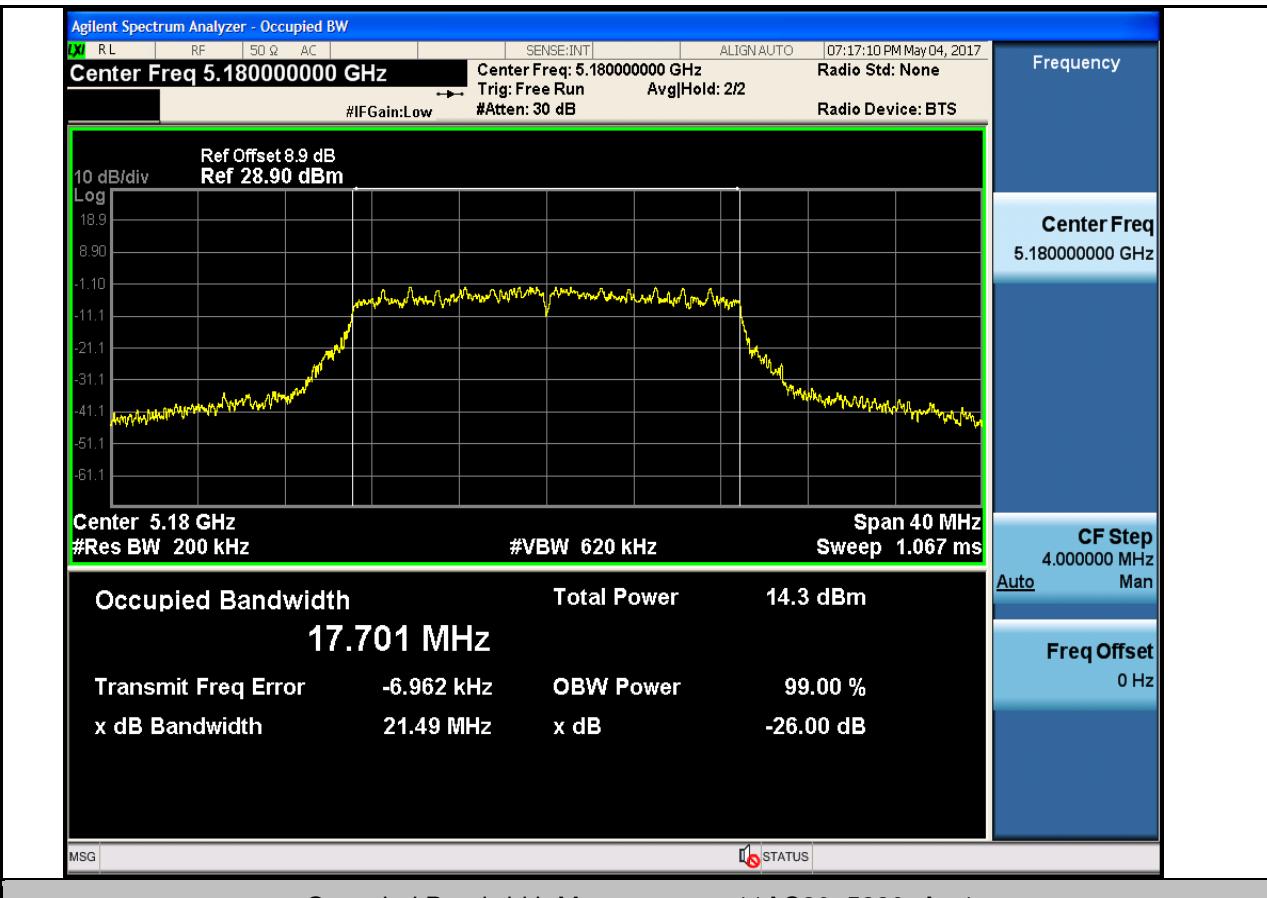
### Occupied Bandwidth Measurement\_11N40\_5755\_Ant1



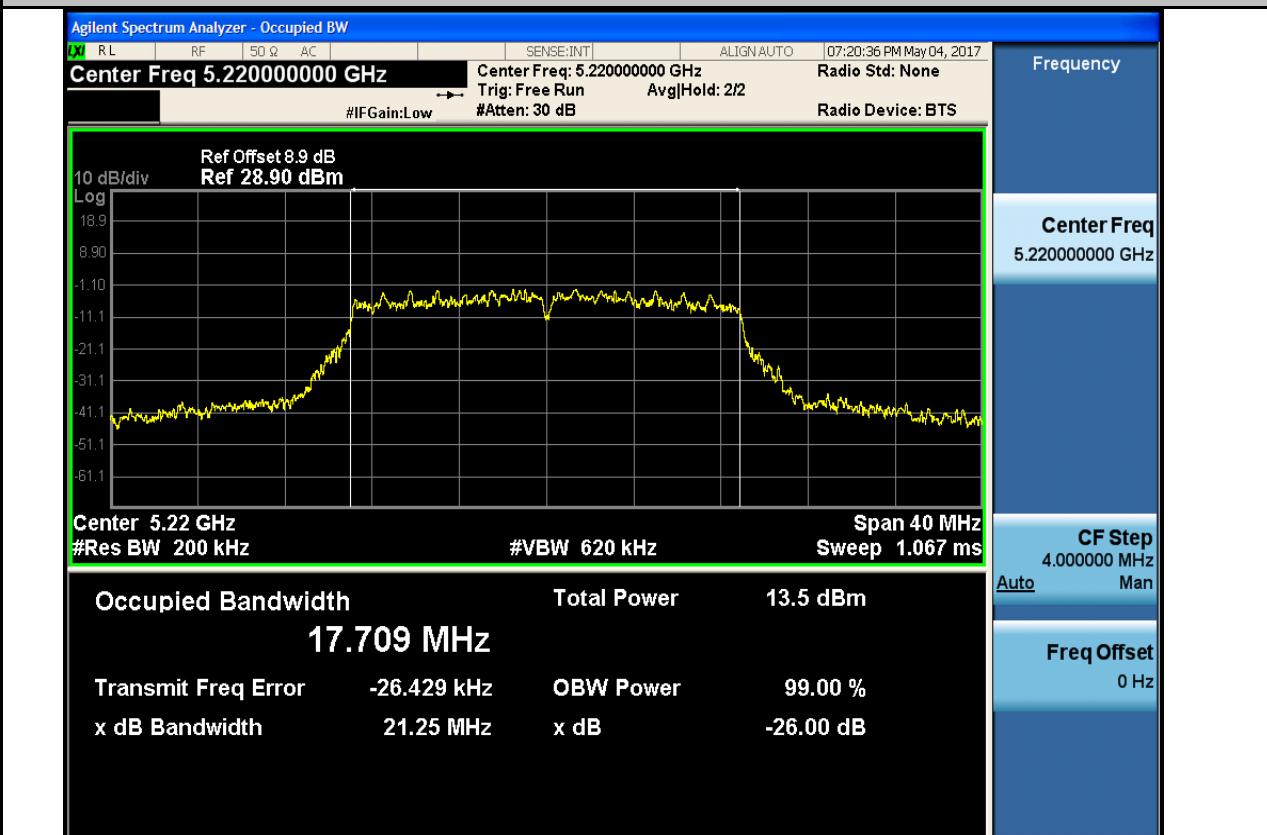
#### Occupied Bandwidth Measurement\_11N40\_5795\_Ant1



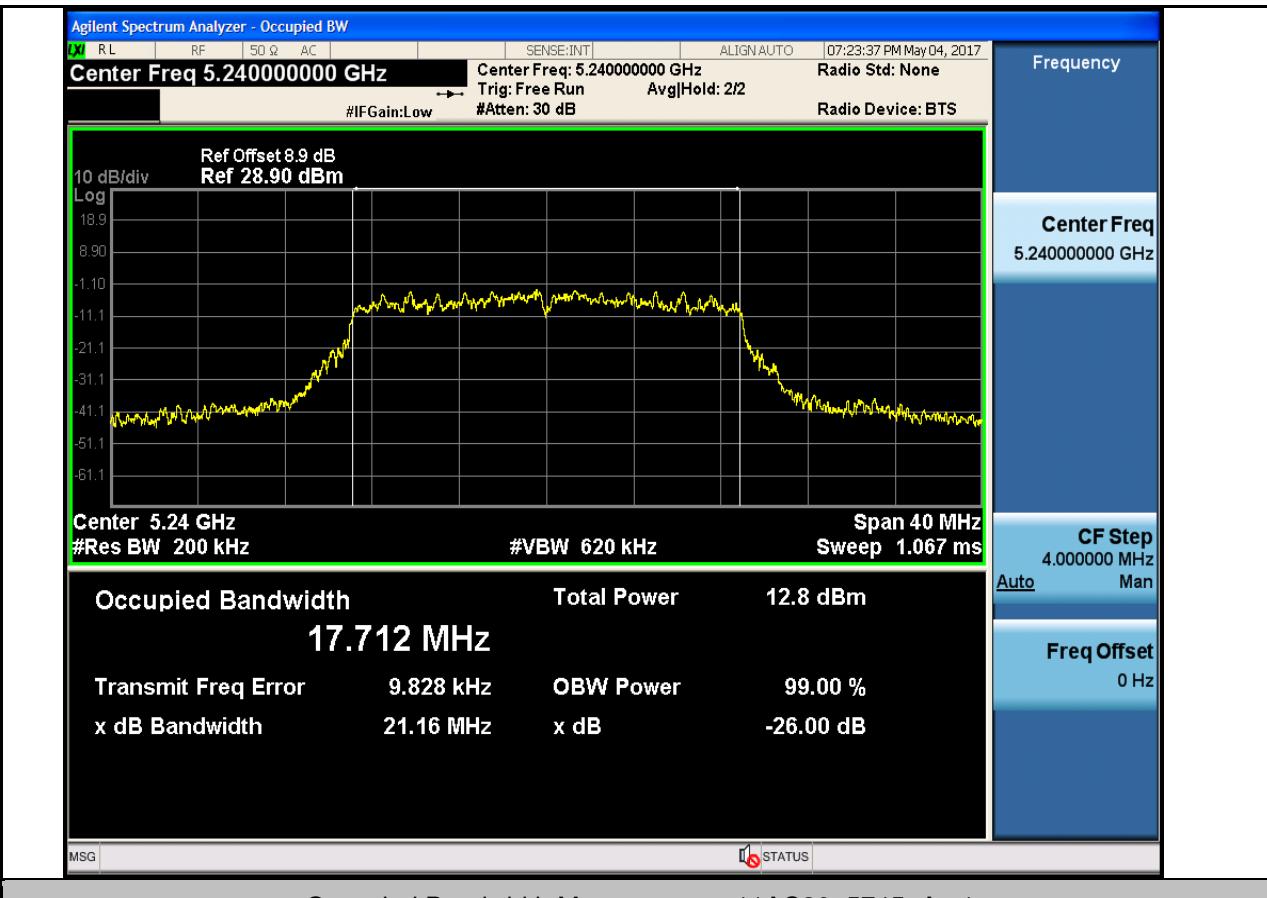
#### Occupied Bandwidth Measurement\_11AC20\_5180\_Ant1



### Occupied Bandwidth Measurement\_11AC20\_5220\_Ant1



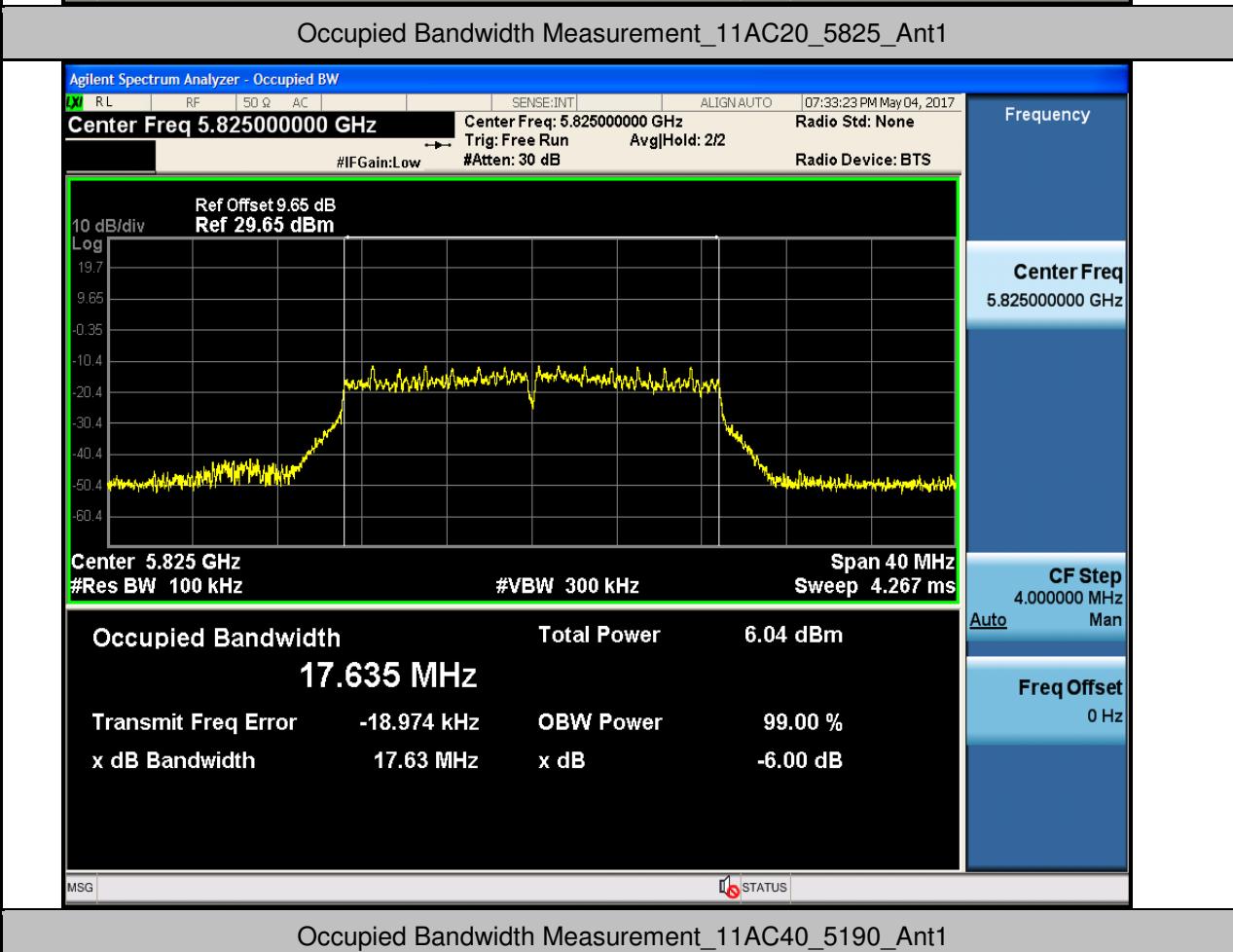
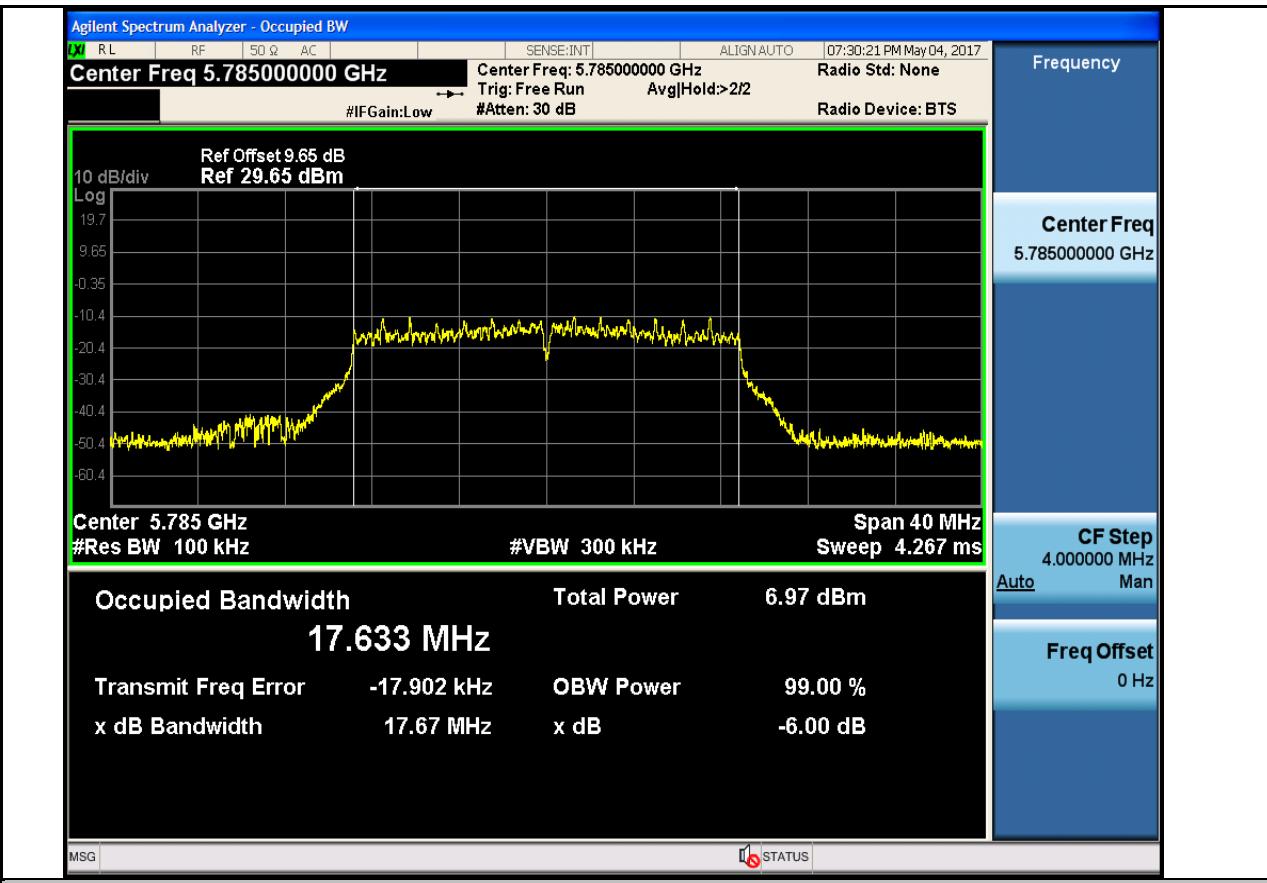
### Occupied Bandwidth Measurement\_11AC20\_5240\_Ant1



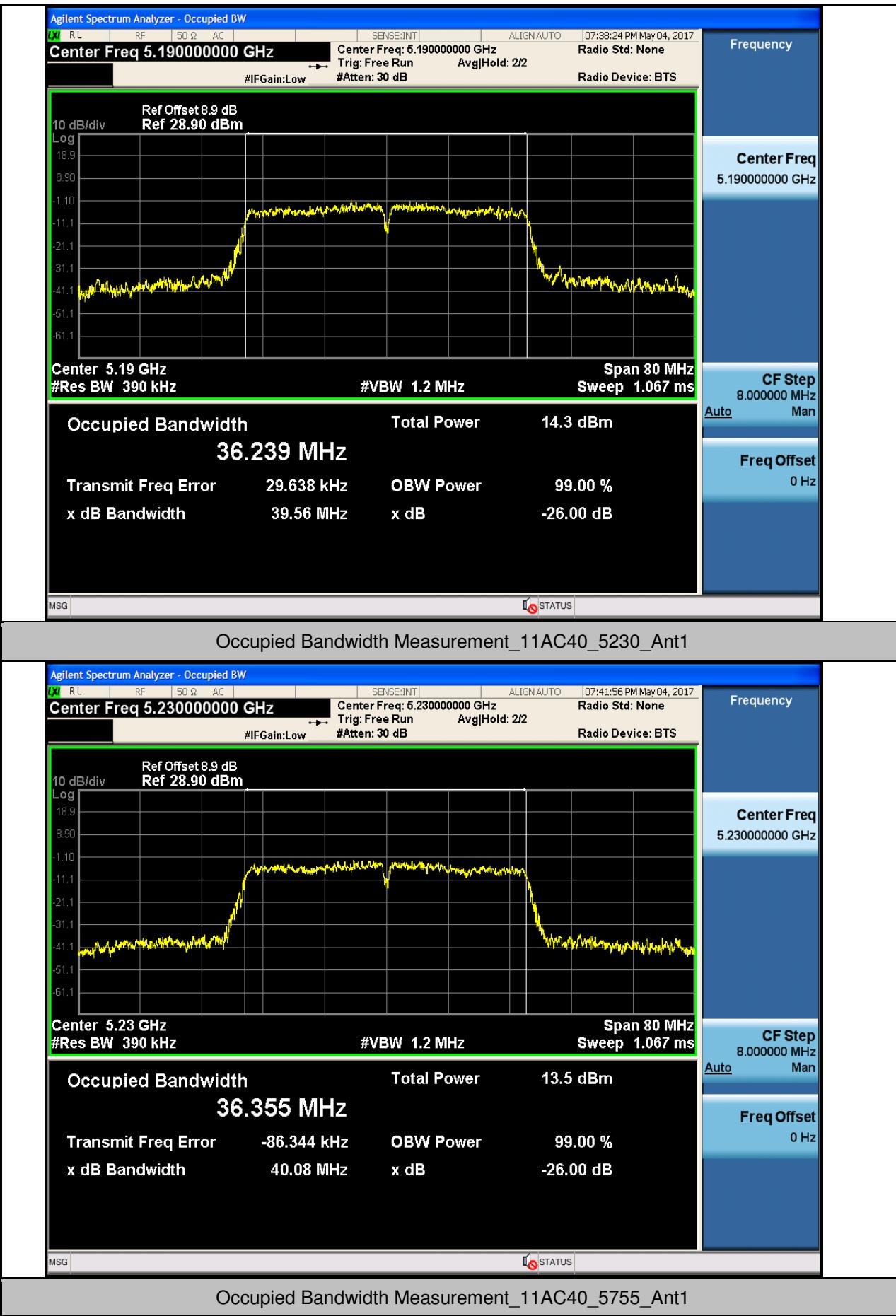
### Occupied Bandwidth Measurement\_11AC20\_5745\_Ant1

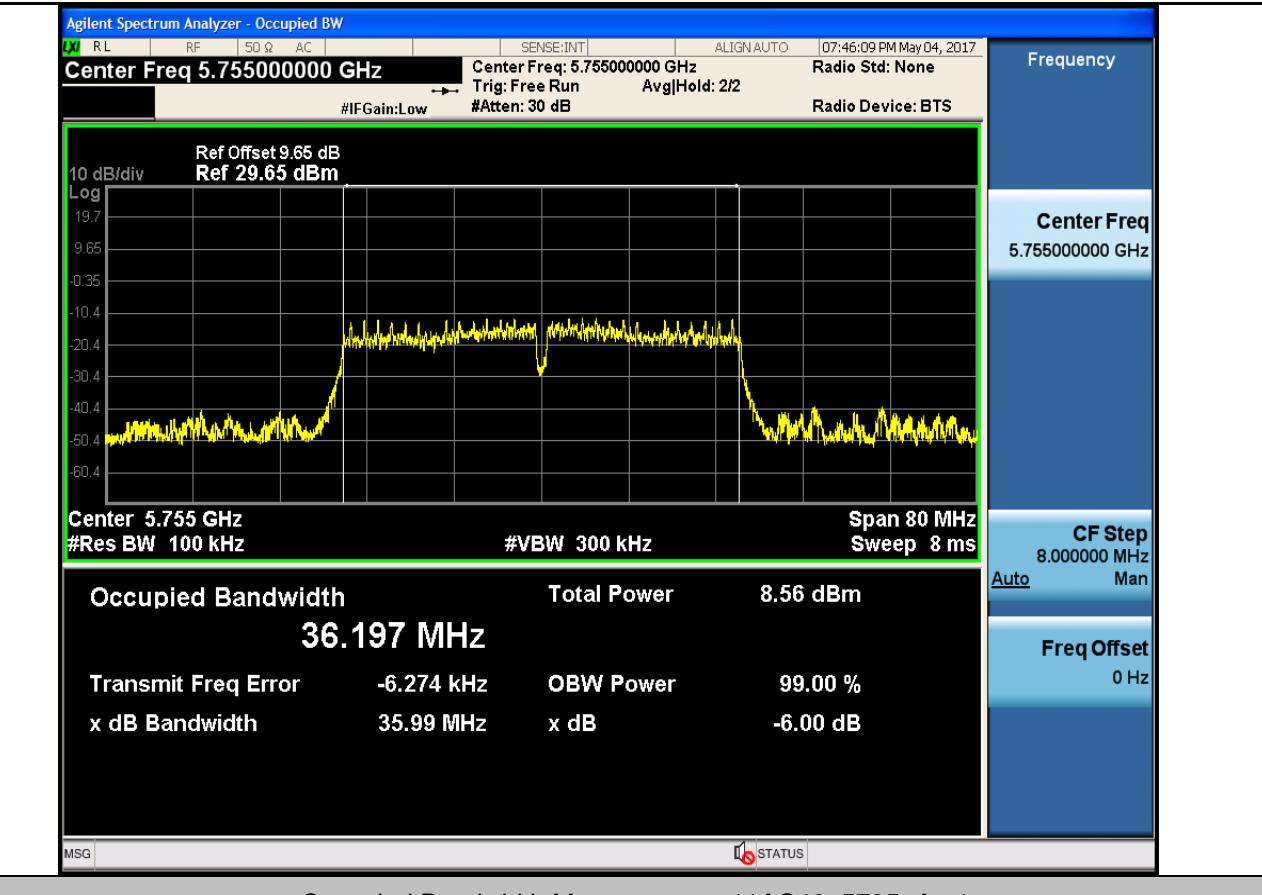


### Occupied Bandwidth Measurement\_11AC20\_5785\_Ant1

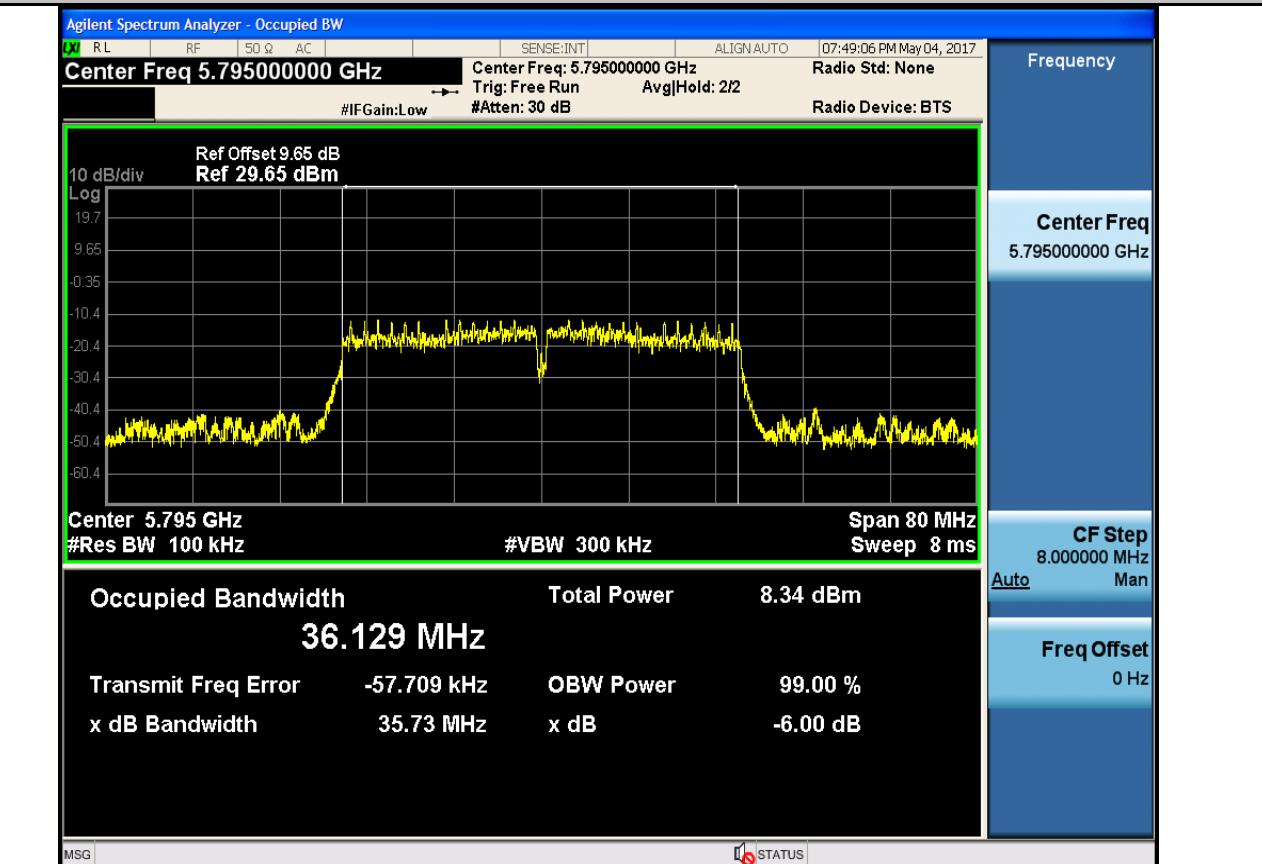


Occupied Bandwidth Measurement\_11AC40\_5190\_Ant1

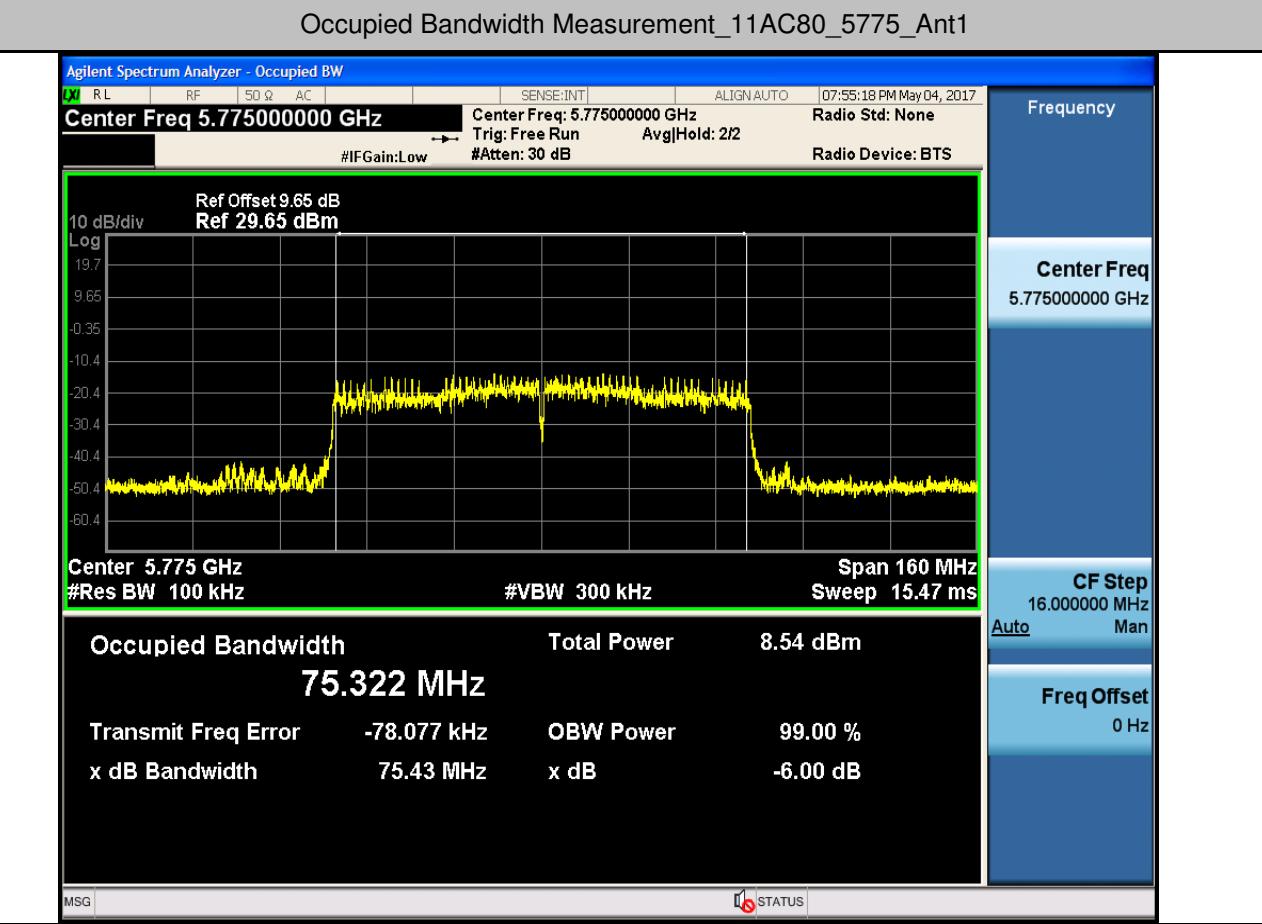
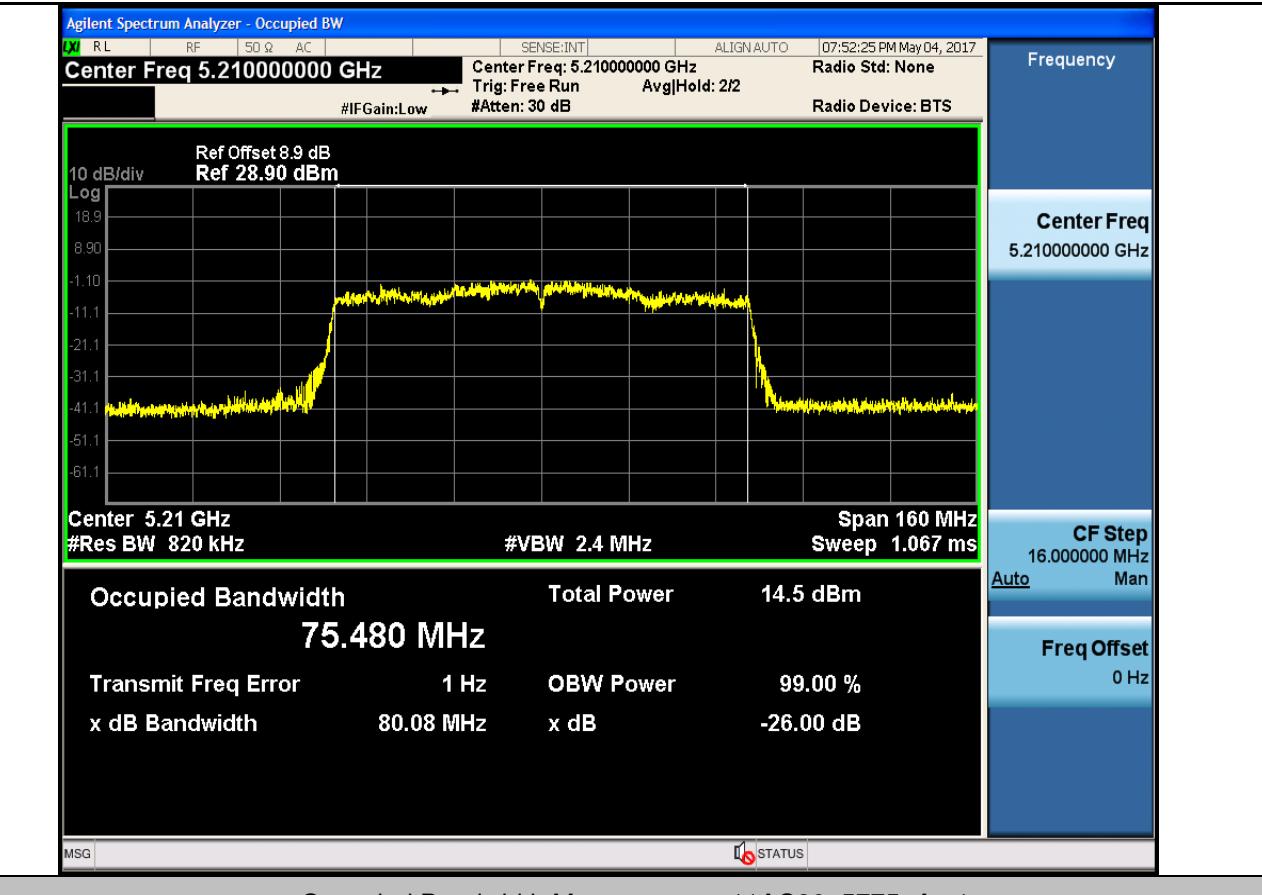




### Occupied Bandwidth Measurement\_11AC40\_5795\_Ant1

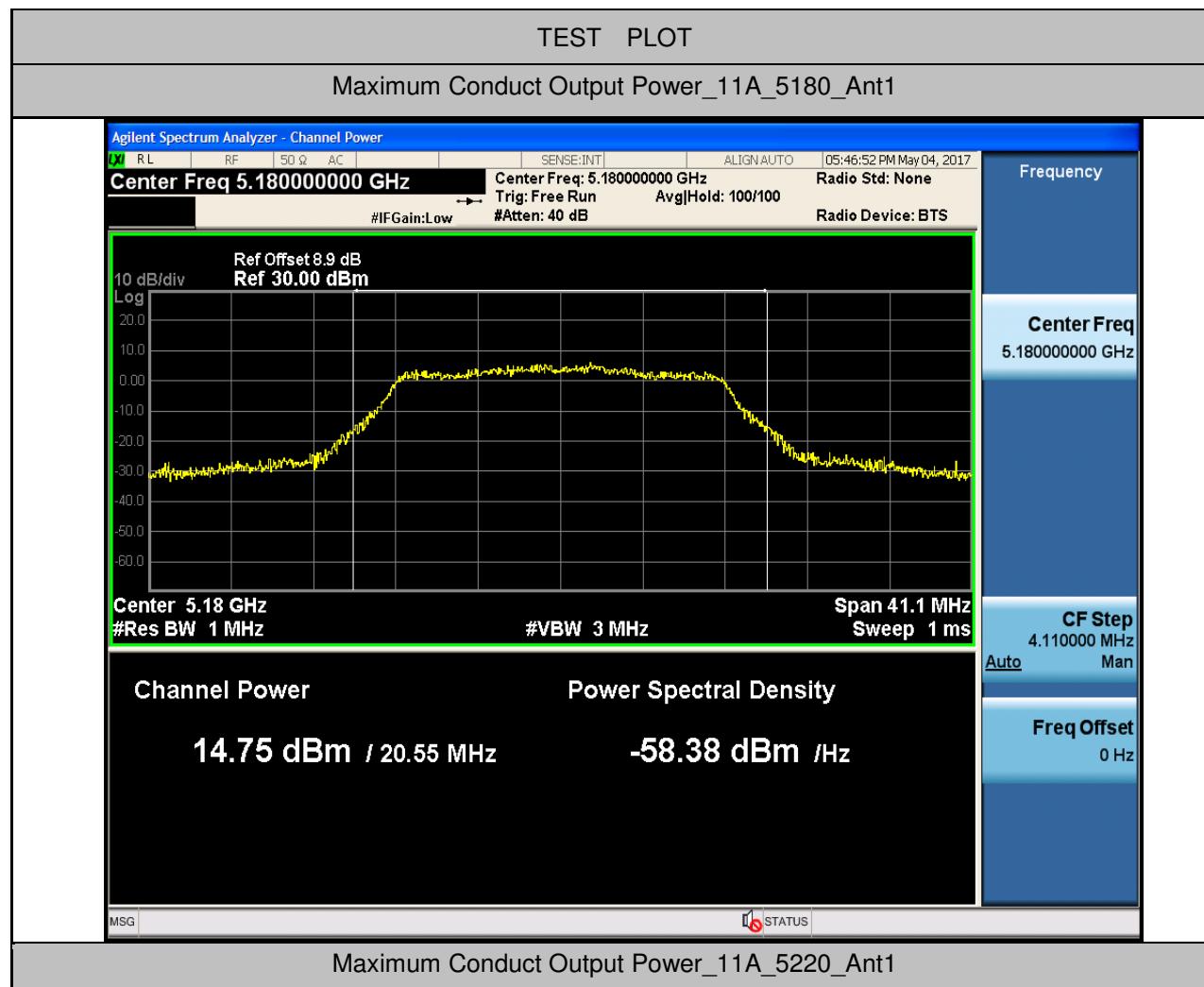


### Occupied Bandwidth Measurement\_11AC80\_5210\_Ant1



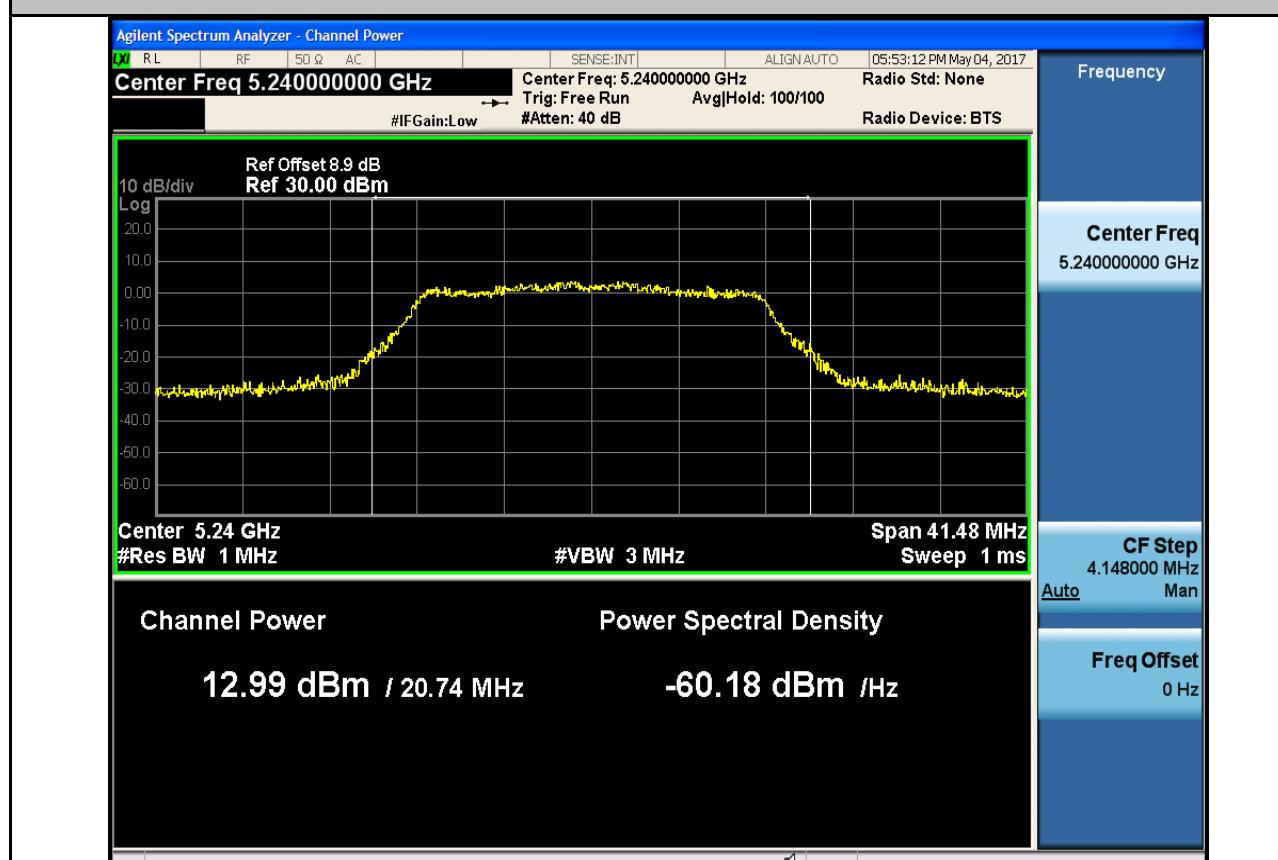
### 3. Maximum Conduct Output Power

Test Mode	Test Channel	Ant	Level [dBm]	10log(1/x) Factor [dB]	Power [dBm]	Limit [dBm]	Verdict
11A	5180	Ant1	14.75	0.342340358173138	15.09	23.98	PASS
11A	5220	Ant1	13.64	0.342340358173138	13.98	23.98	PASS
11A	5240	Ant1	12.99	0.342340358173138	13.33	23.98	PASS
11A	5745	Ant1	6.46	0.342340358173138	6.80	30.00	PASS
11A	5785	Ant1	7.07	0.342340358173138	7.41	30.00	PASS
11A	5825	Ant1	6.21	0.342340358173138	6.55	30.00	PASS
11N20	5180	Ant1	14.39	0.371573187987576	14.76	23.98	PASS
11N20	5220	Ant1	13.16	0.371573187987576	13.53	23.98	PASS
11N20	5240	Ant1	13.18	0.371573187987576	13.55	23.98	PASS
11N20	5745	Ant1	5.41	0.371573187987576	5.78	30.00	PASS
11N20	5785	Ant1	6.34	0.371573187987576	6.71	30.00	PASS
11N20	5825	Ant1	5.54	0.371573187987576	5.91	30.00	PASS
11N40	5190	Ant1	13.52	0.639892042847904	14.16	23.98	PASS
11N40	5230	Ant1	12.8	0.639892042847904	13.44	23.98	PASS
11N40	5755	Ant1	8.79	0.639892042847904	9.43	30.00	PASS
11N40	5795	Ant1	9.46	0.639892042847904	10.10	30.00	PASS
11AC20	5180	Ant1	12.52	0.377727686499150	12.90	23.98	PASS
11AC20	5220	Ant1	11.96	0.377727686499150	12.34	23.98	PASS
11AC20	5240	Ant1	11.15	0.377727686499150	11.53	23.98	PASS
11AC20	5745	Ant1	4.67	0.377727686499150	5.05	30.00	PASS
11AC20	5785	Ant1	5.13	0.377727686499150	5.51	30.00	PASS
11AC20	5825	Ant1	4.08	0.377727686499150	4.46	30.00	PASS
11AC40	5190	Ant1	13.01	0.536951450065251	13.55	23.98	PASS
11AC40	5230	Ant1	12.08	0.536951450065251	12.62	23.98	PASS
11AC40	5755	Ant1	6.83	0.536951450065251	7.37	30.00	PASS
11AC40	5795	Ant1	6.63	0.536951450065251	7.17	30.00	PASS
11AC80	5210	Ant1	12.04	0.896958319314312	12.94	23.98	PASS
11AC80	5775	Ant1	7.41	0.896958319314312	8.31	30.00	PASS

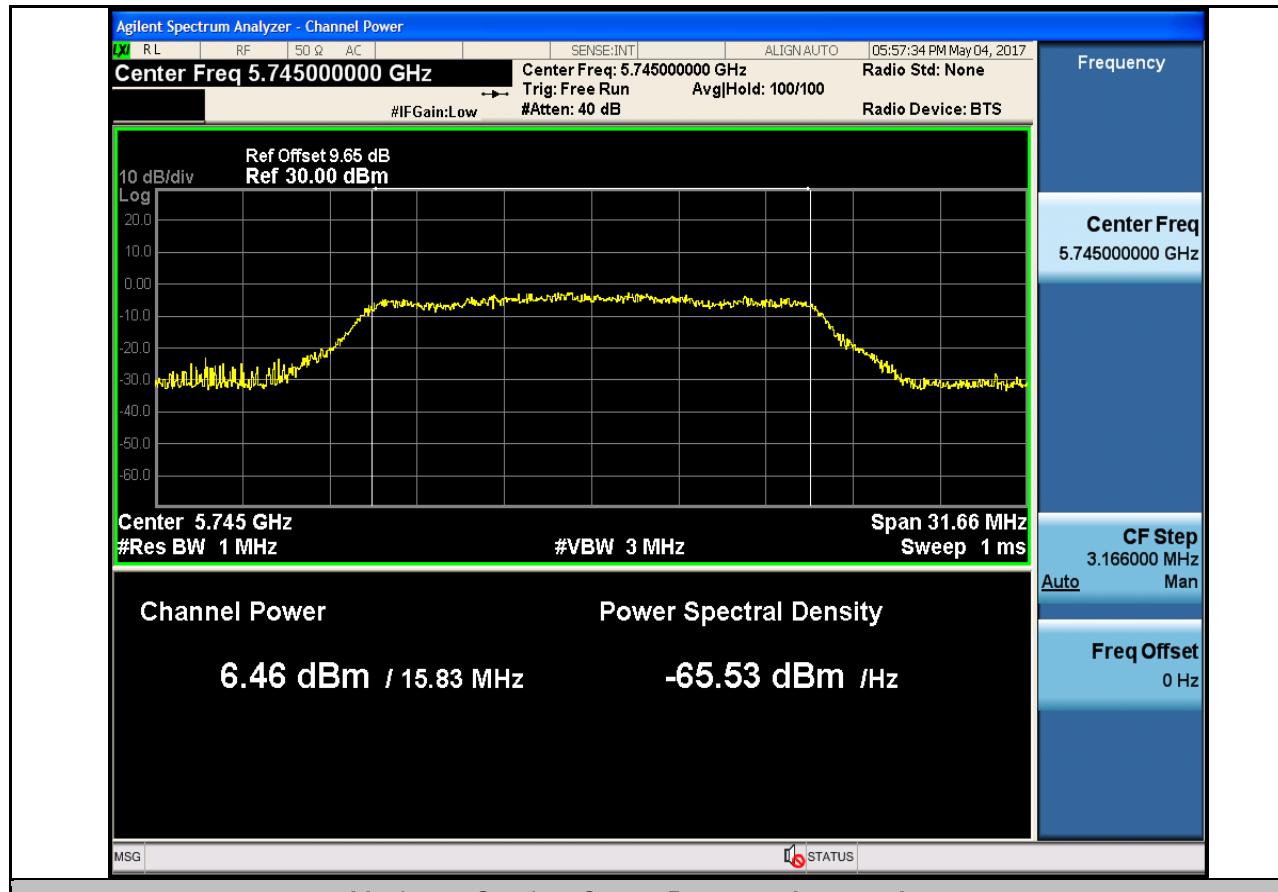




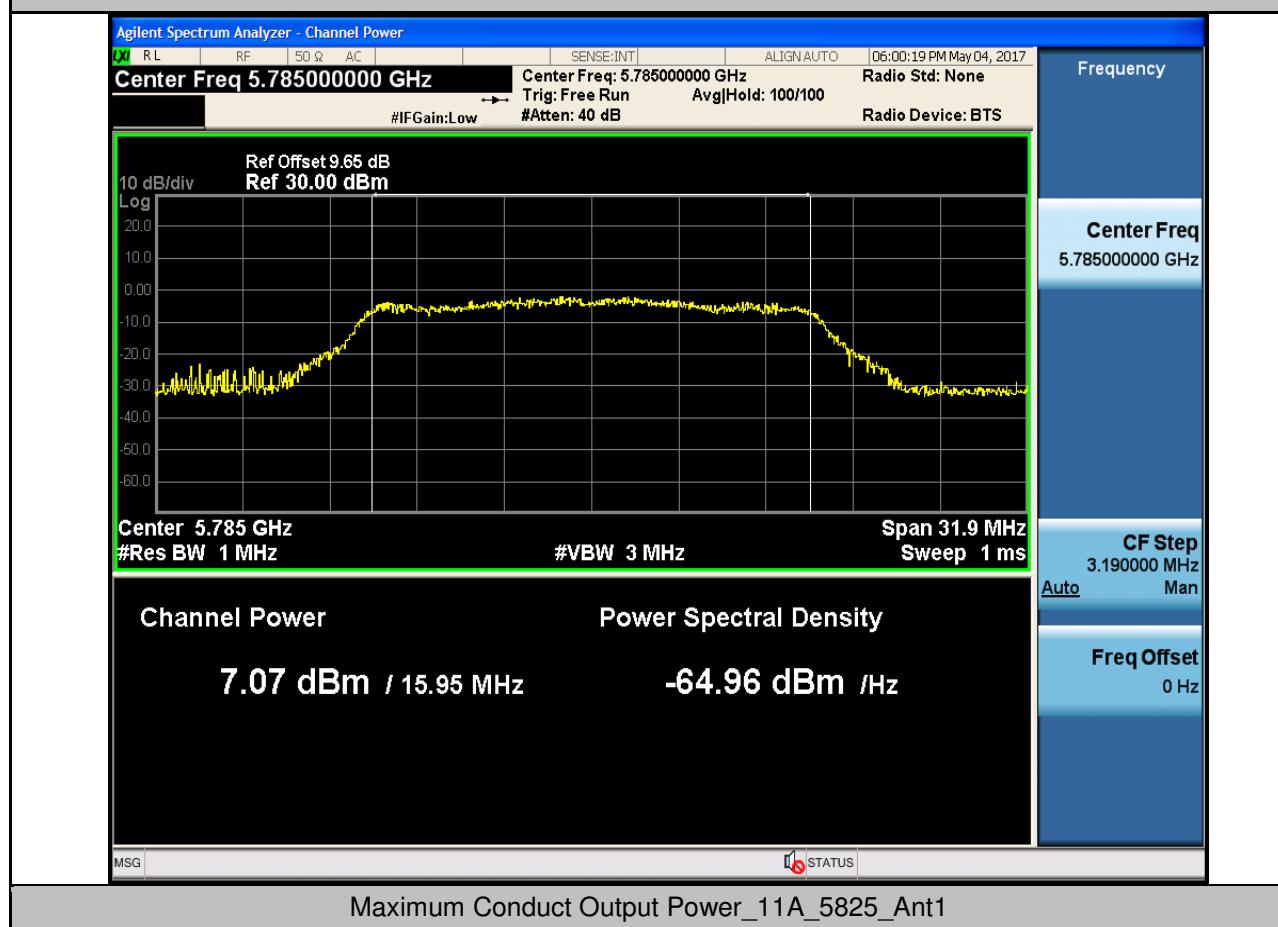
Maximum Conduct Output Power\_11A\_5240\_Ant1



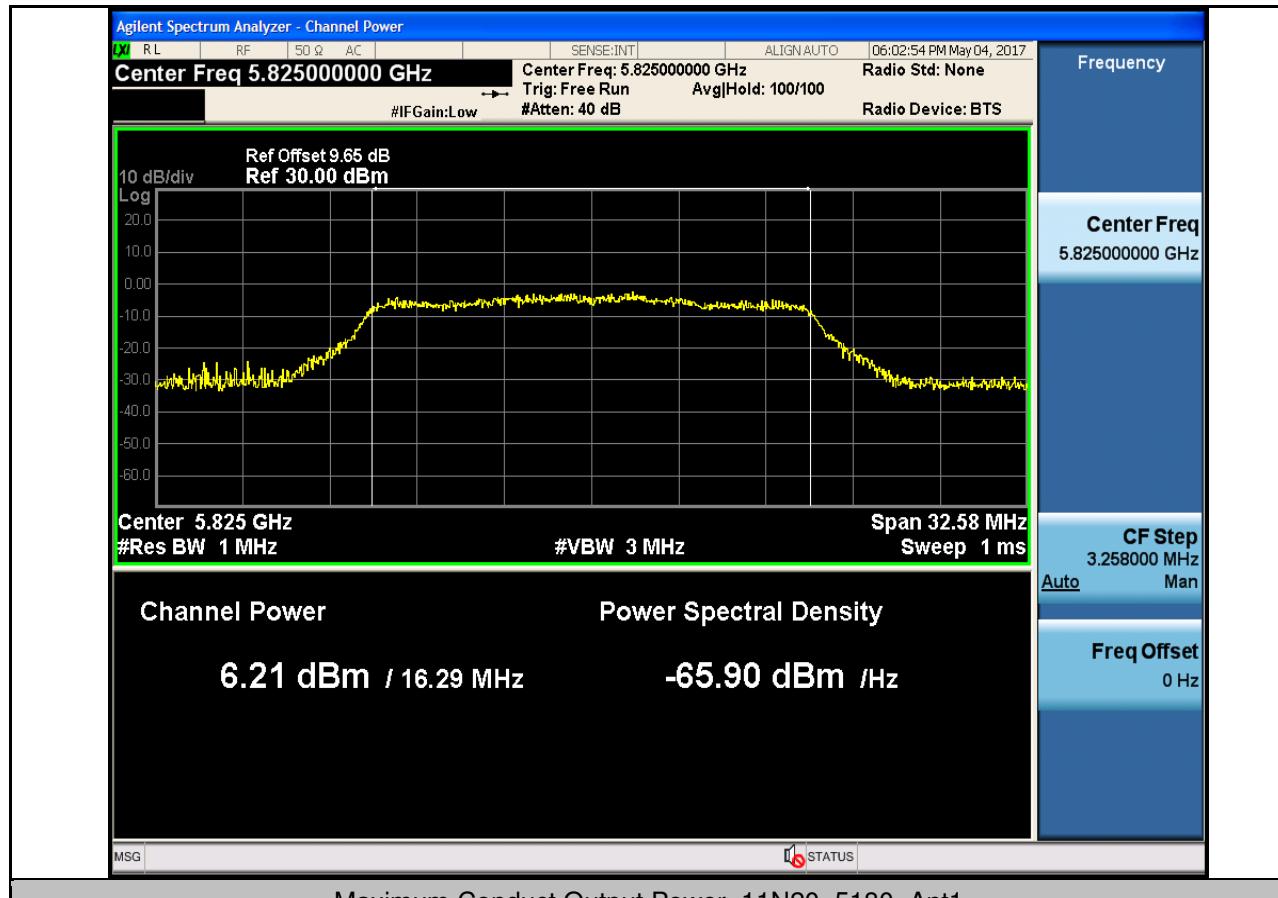
Maximum Conduct Output Power\_11A\_5745\_Ant1



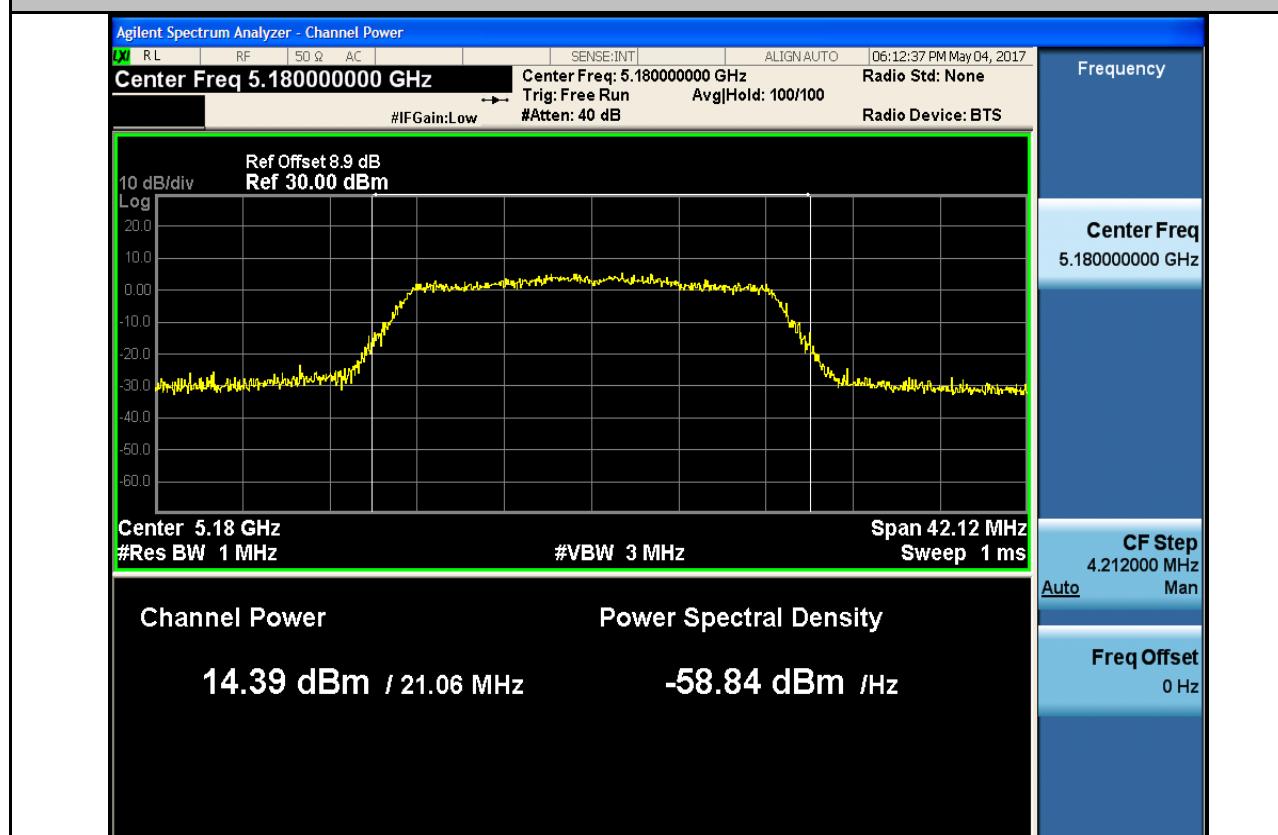
Maximum Conduct Output Power\_11A\_5785\_Ant1



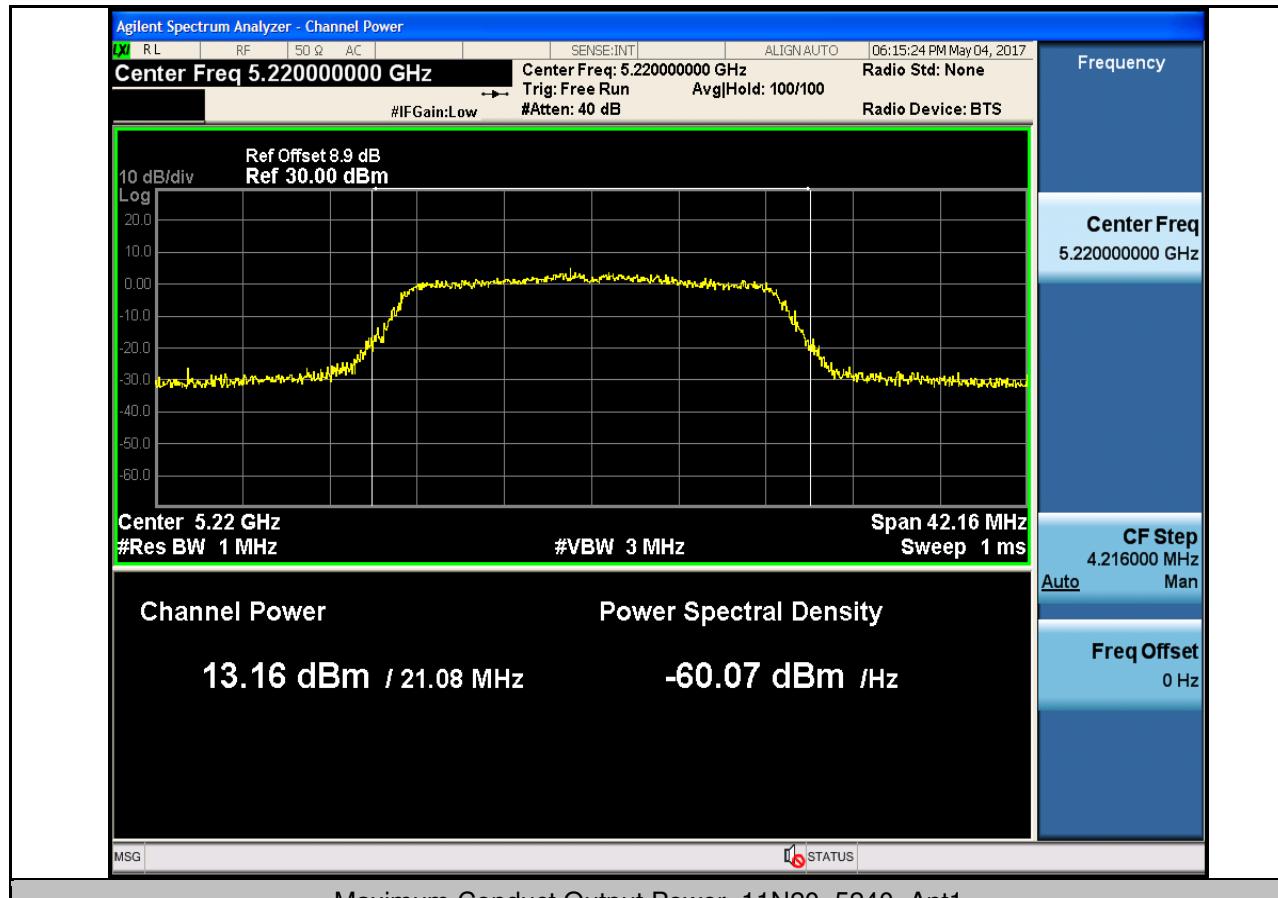
Maximum Conduct Output Power\_11A\_5825\_Ant1



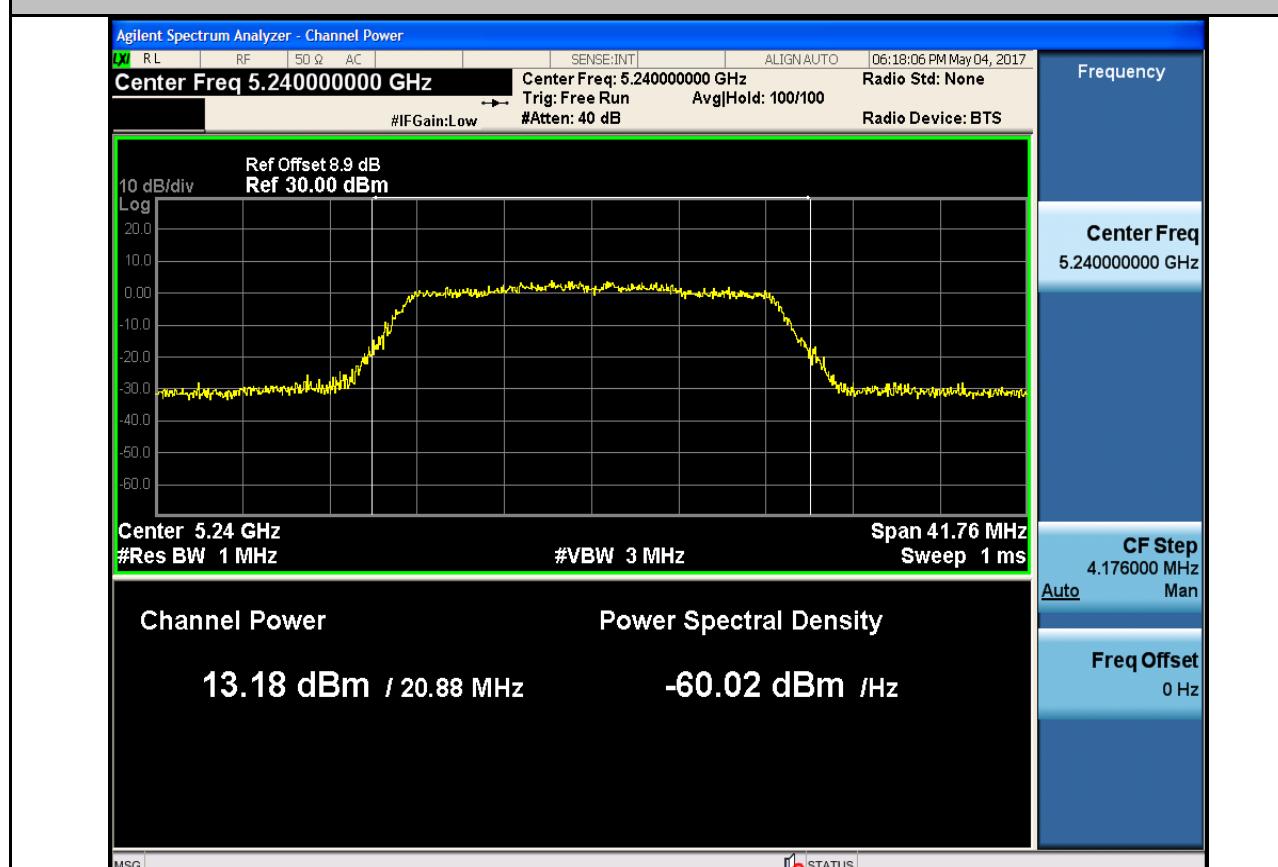
Maximum Conduct Output Power\_11N20\_5180\_Ant1



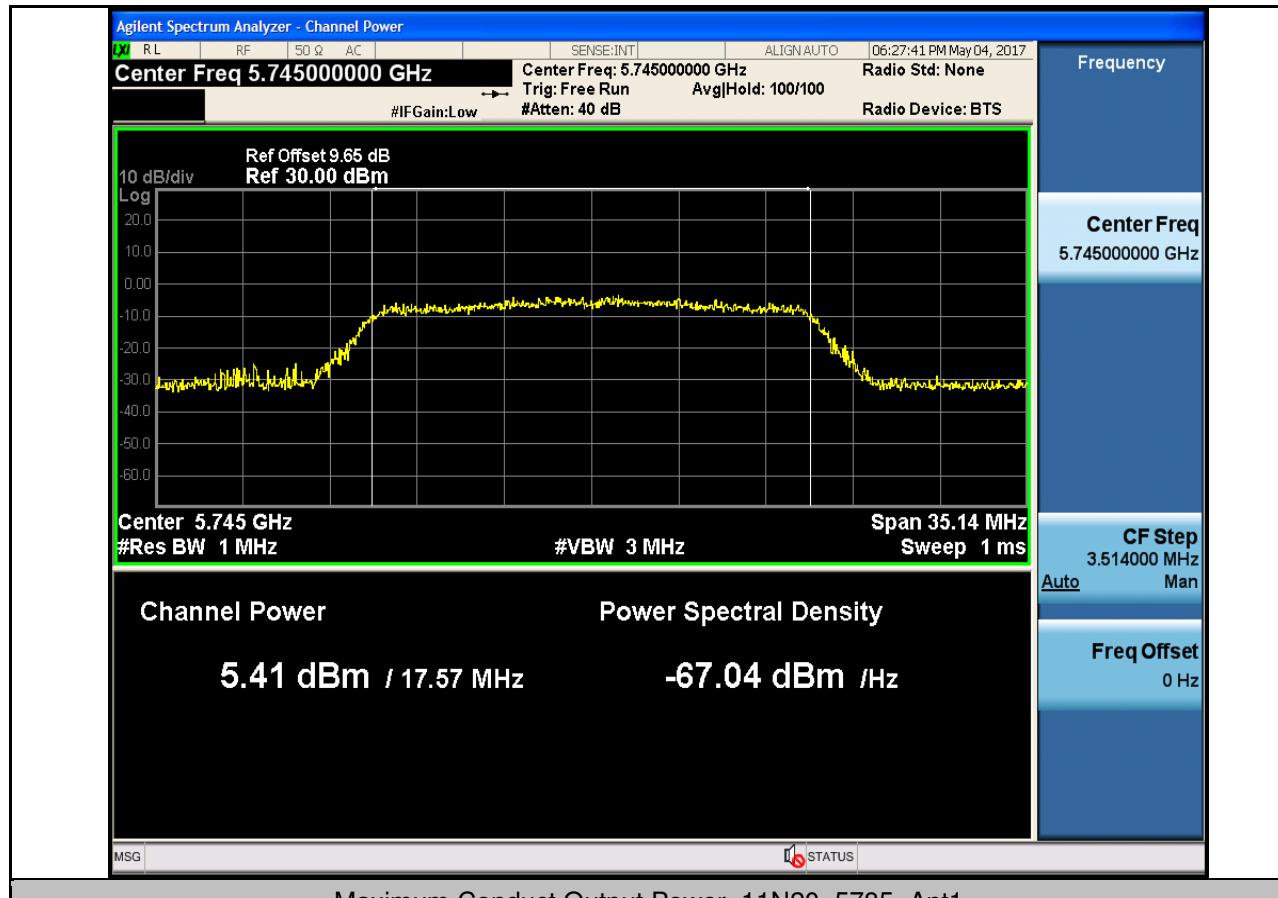
Maximum Conduct Output Power\_11N20\_5220\_Ant1



Maximum Conduct Output Power\_11N20\_5240\_Ant1



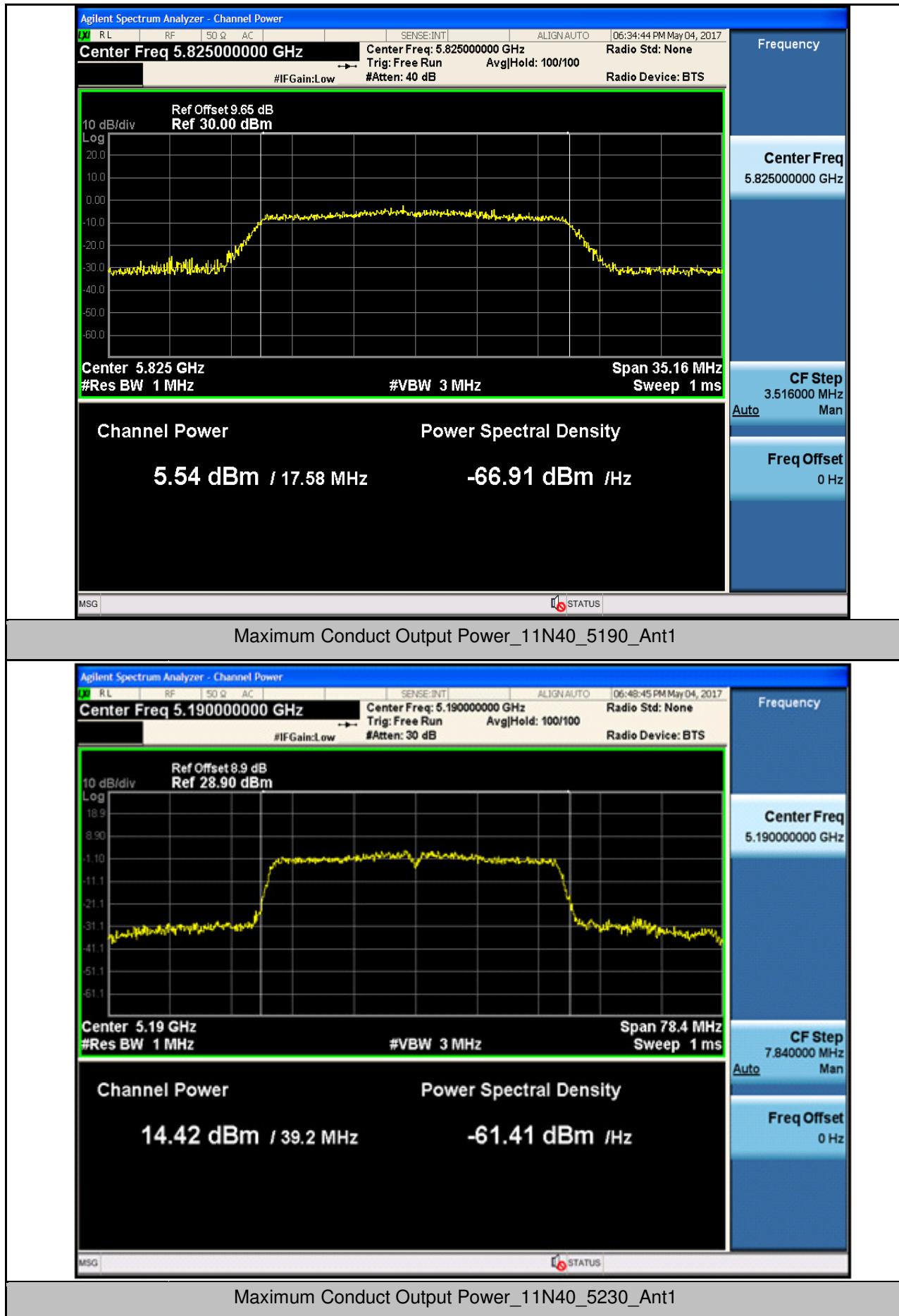
Maximum Conduct Output Power\_11N20\_5745\_Ant1

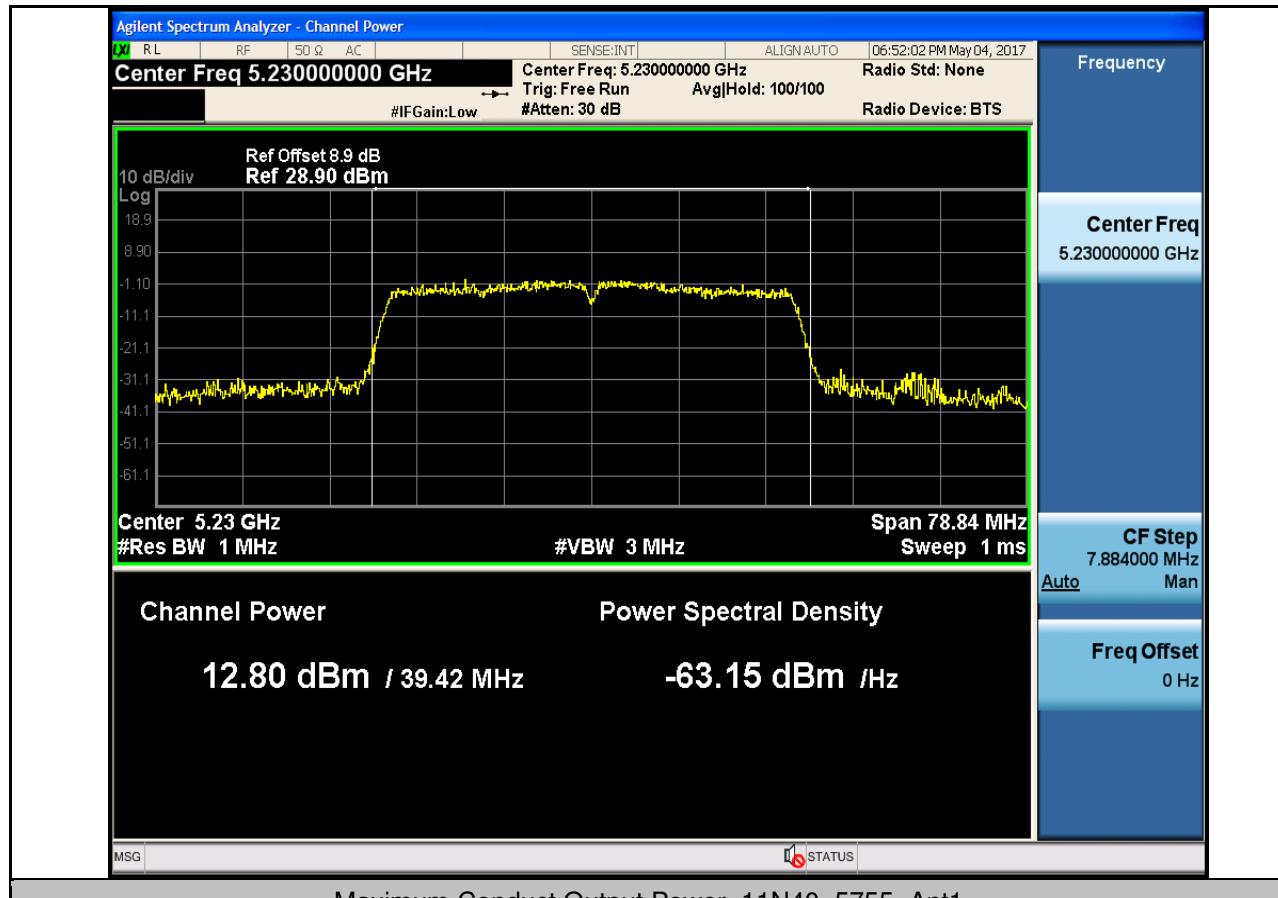


Maximum Conduct Output Power\_11N20\_5785\_Ant1



Maximum Conduct Output Power\_11N20\_5825\_Ant1

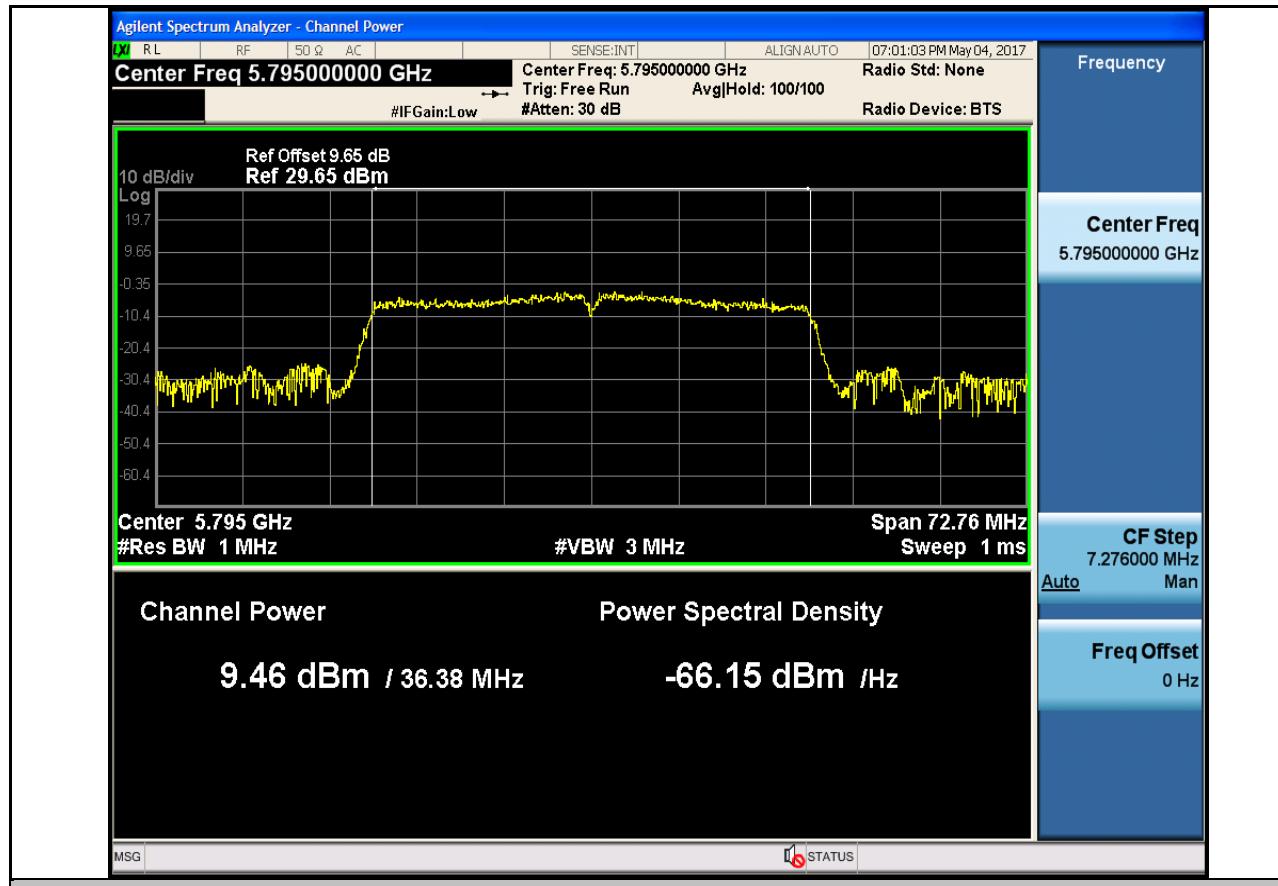




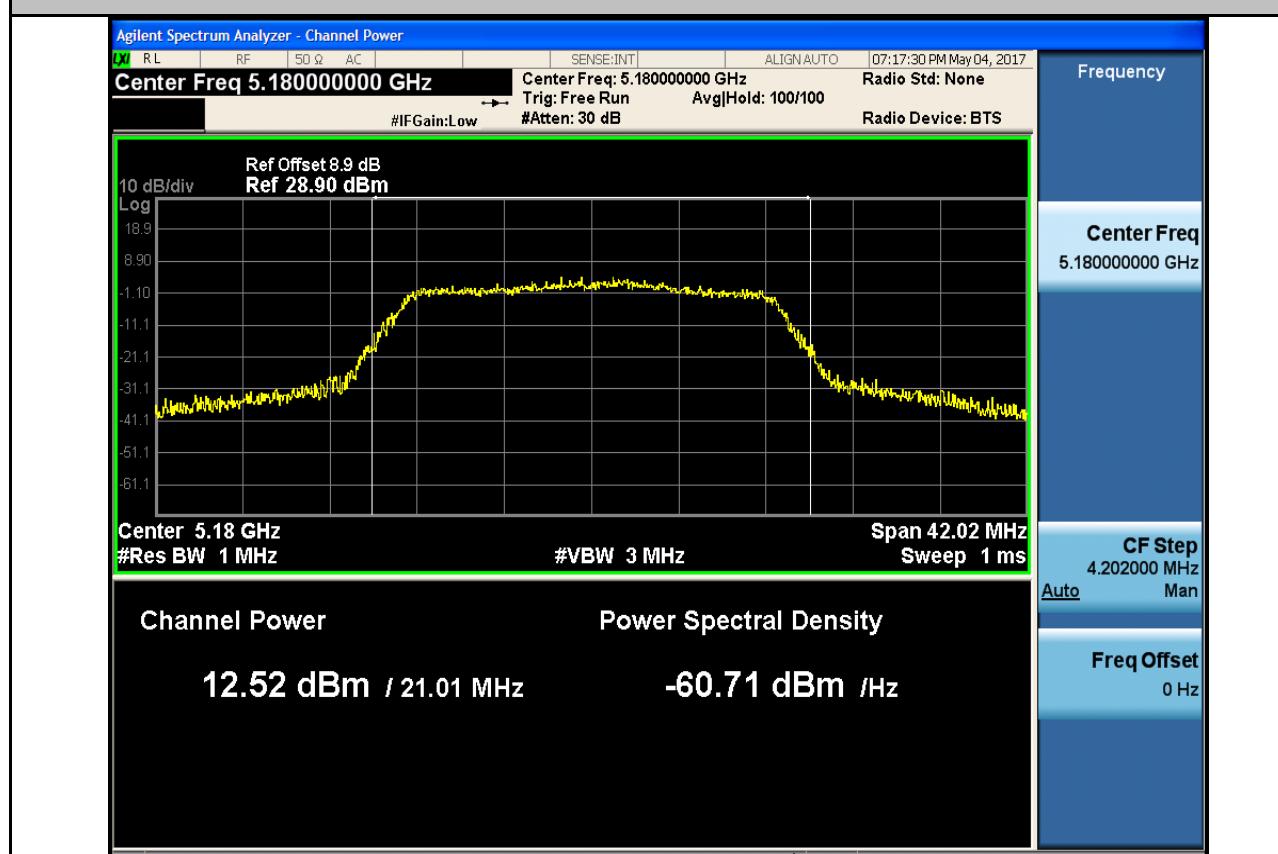
Maximum Conduct Output Power\_11N40\_5755\_Ant1



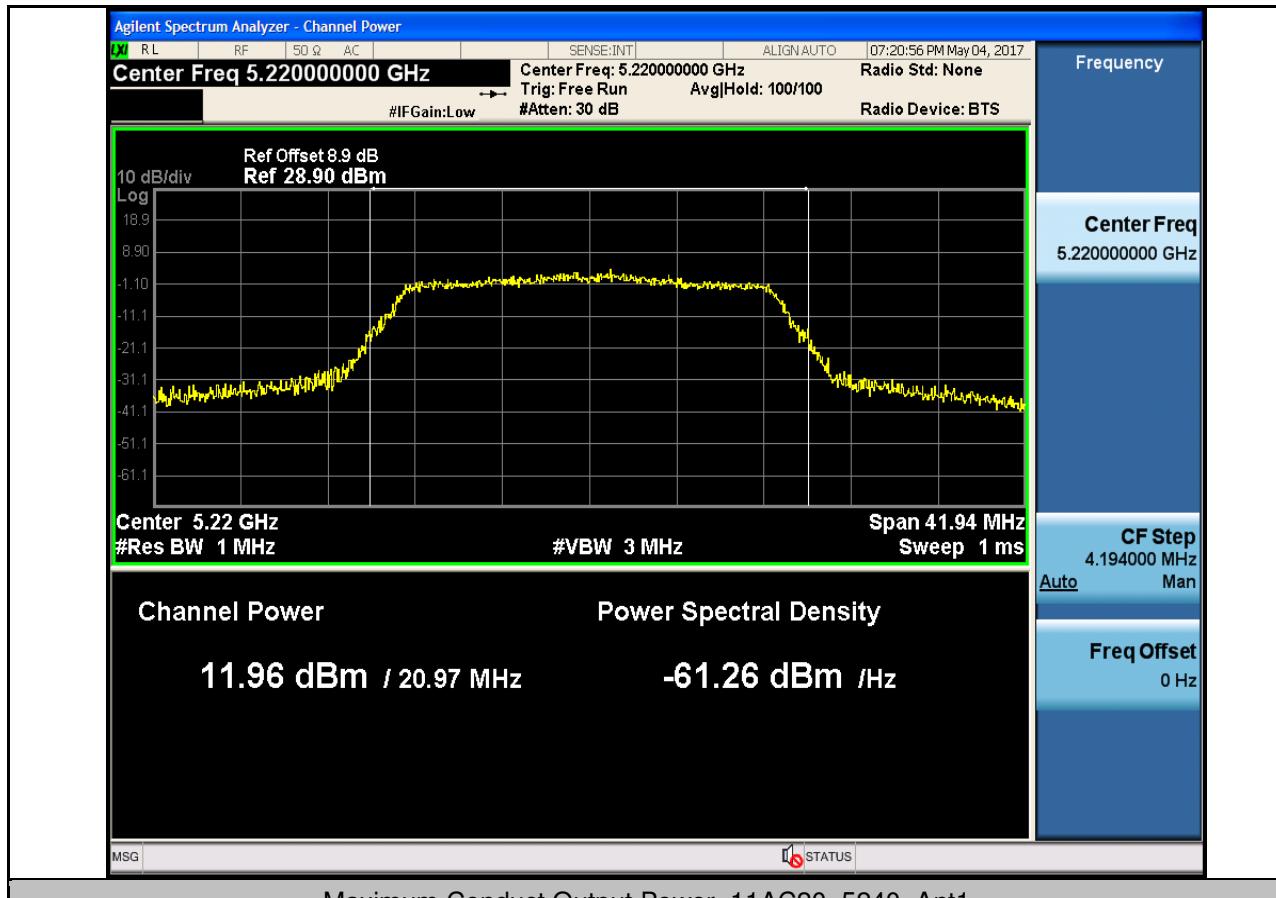
Maximum Conduct Output Power\_11N40\_5795\_Ant1



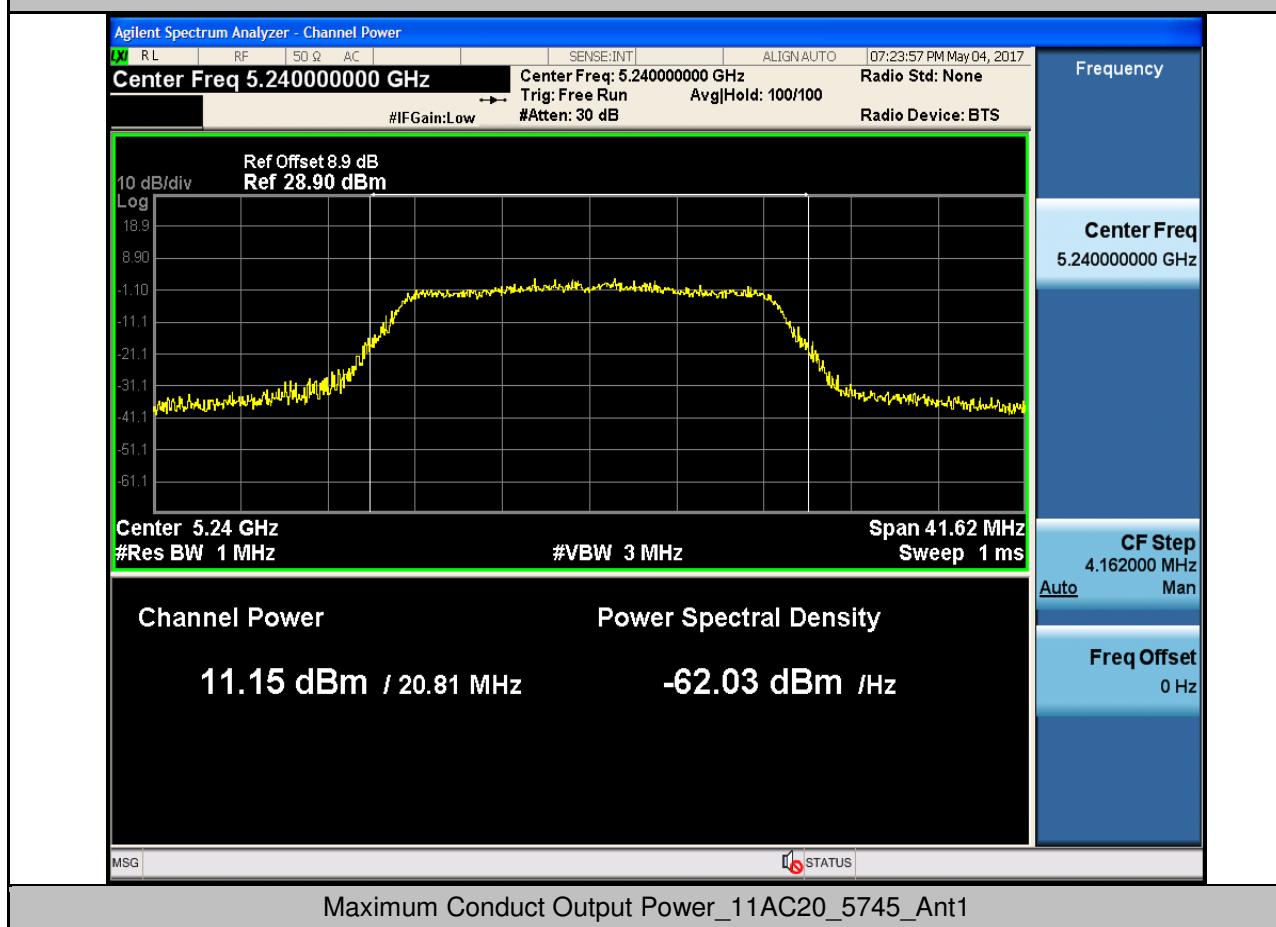
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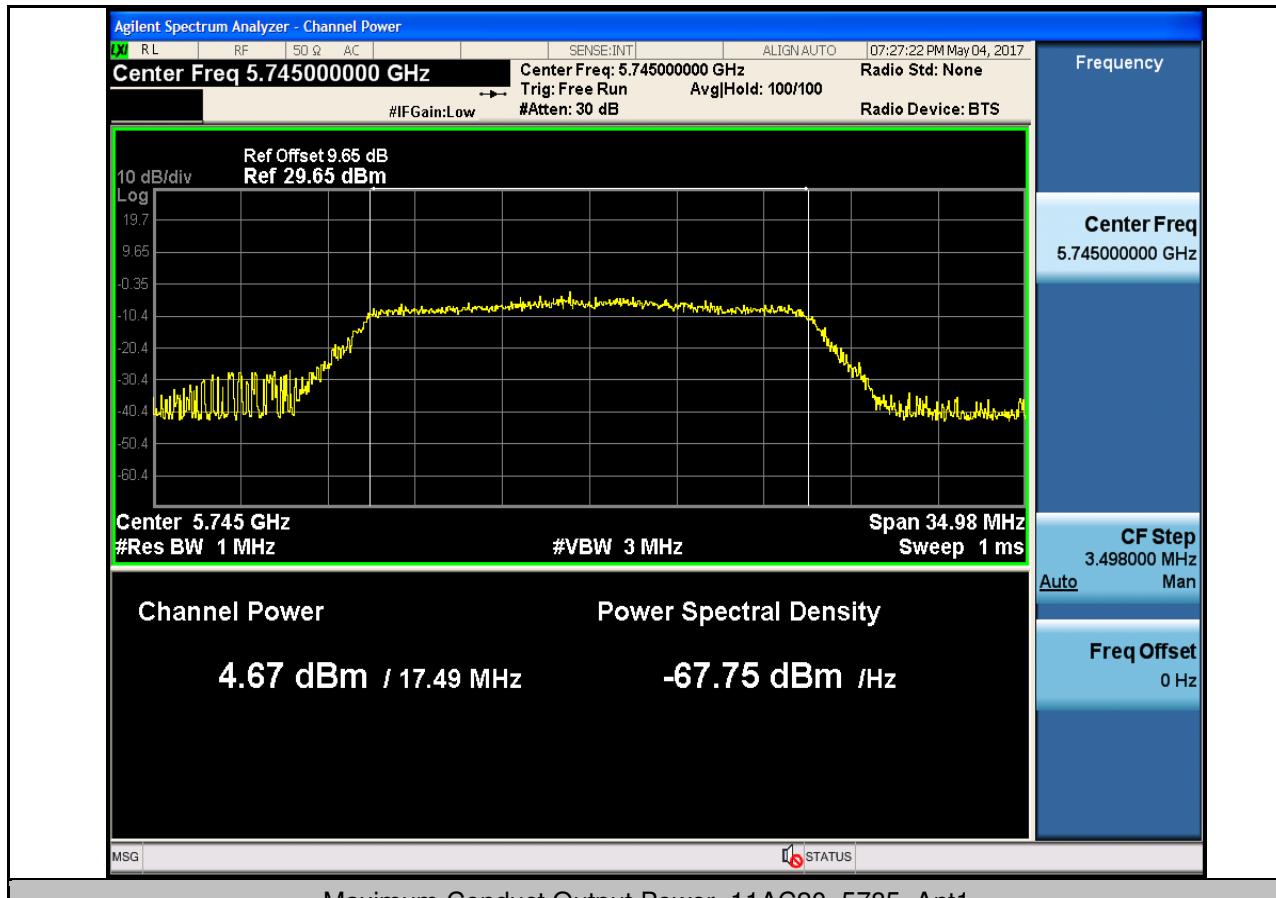
Maximum Conduct Output Power\_11AC20\_5220\_Ant1



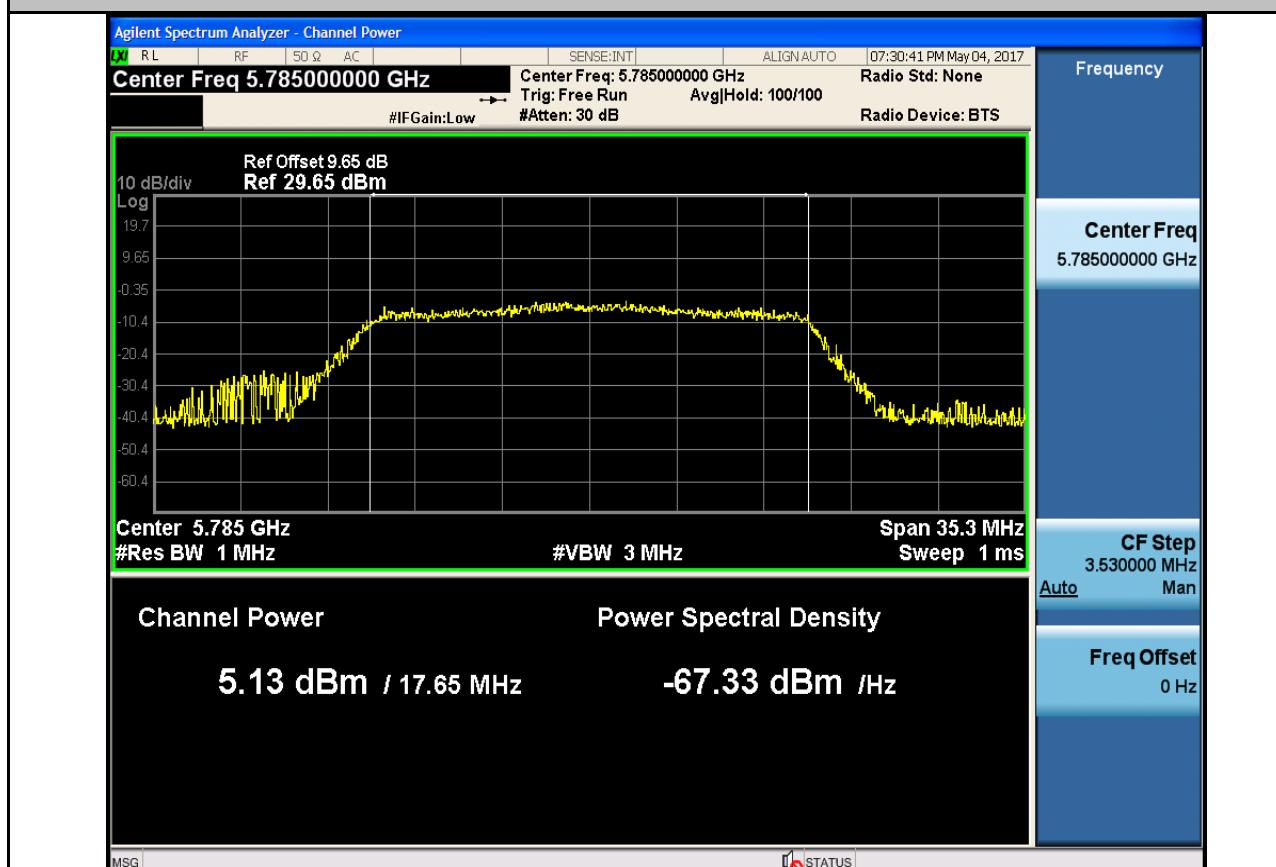
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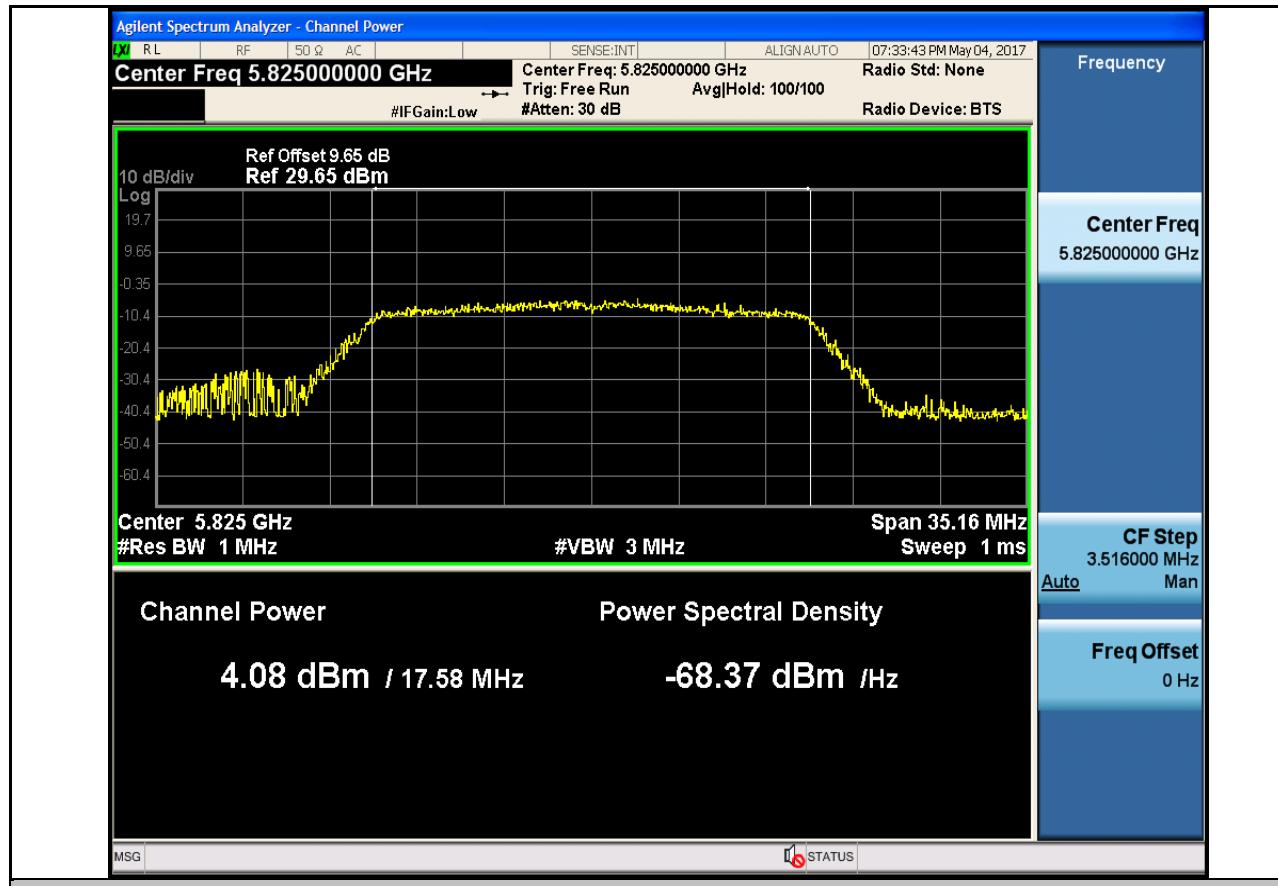
Maximum Conduct Output Power\_11AC20\_5745\_Ant1



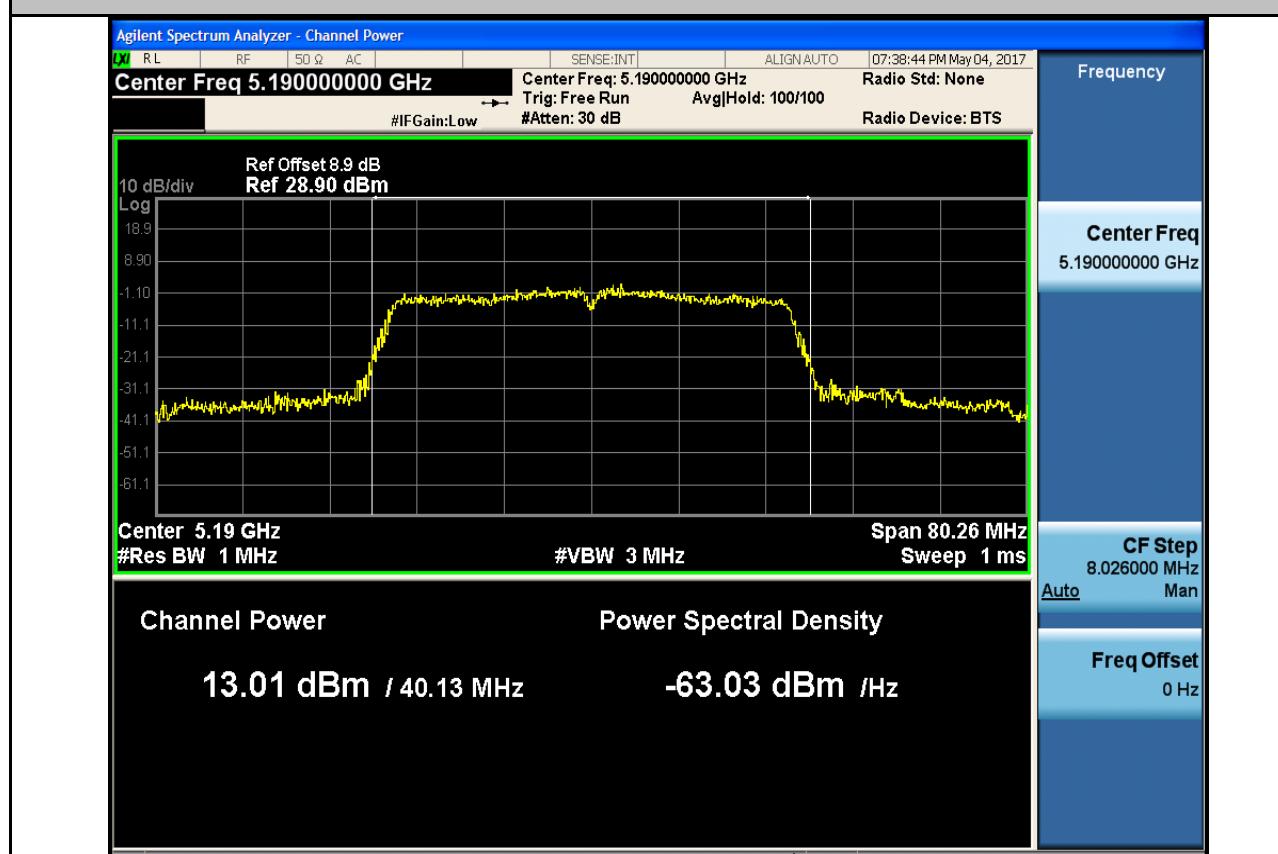
Maximum Conduct Output Power\_11AC20\_5785\_Ant1



Maximum Conduct Output Power\_11AC20\_5825\_Ant1



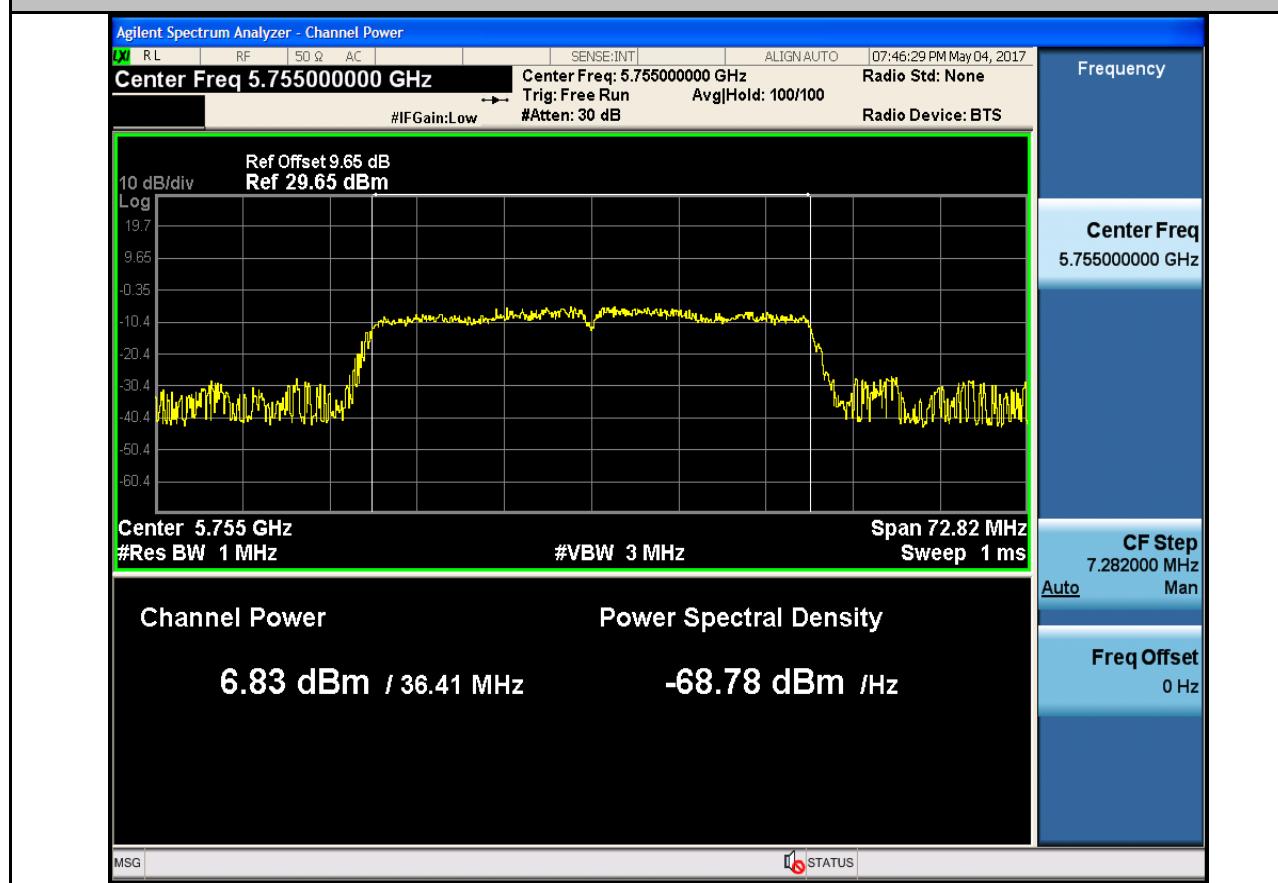
Maximum Conduct Output Power\_11AC40\_5190\_Ant1



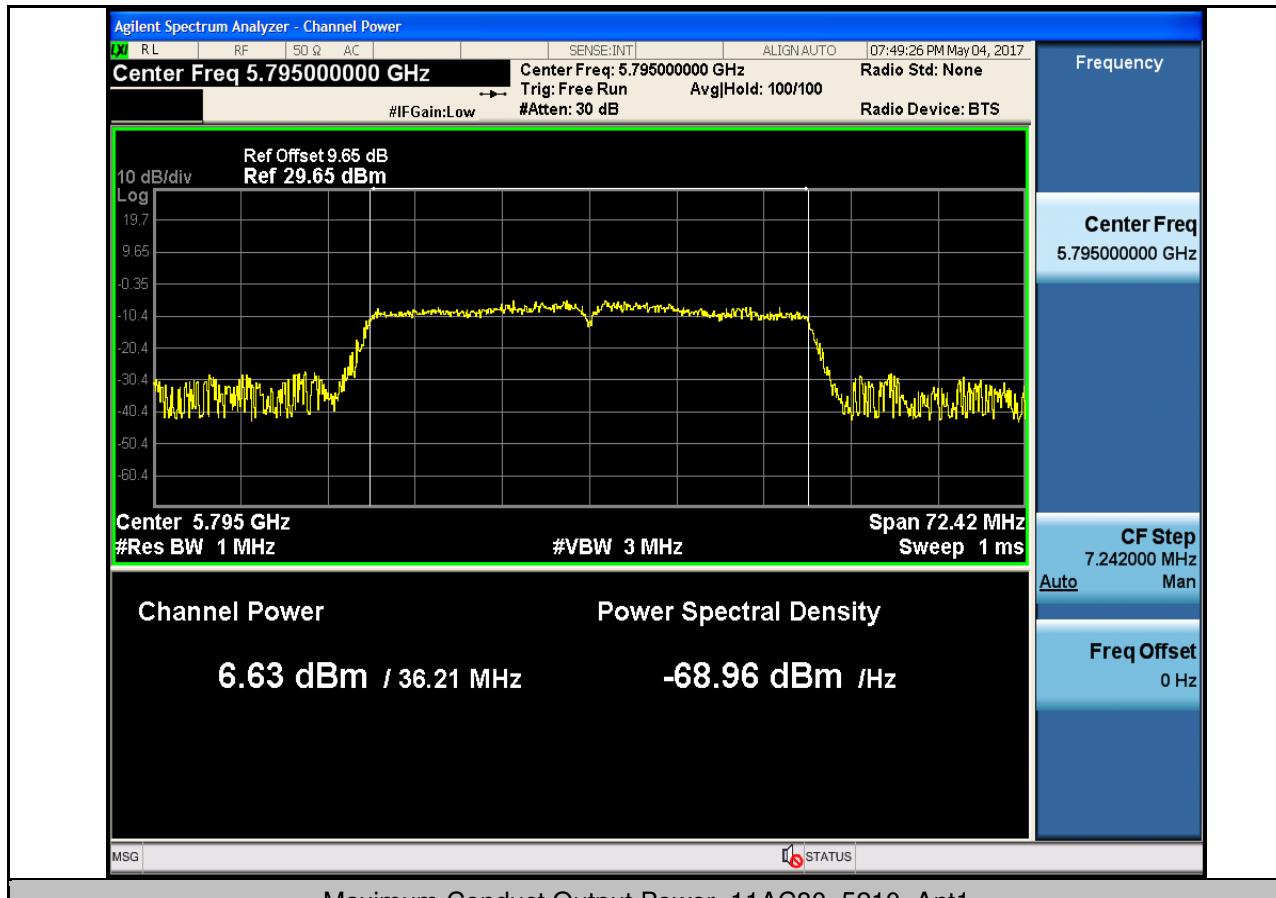
Maximum Conduct Output Power\_11AC40\_5230\_Ant1



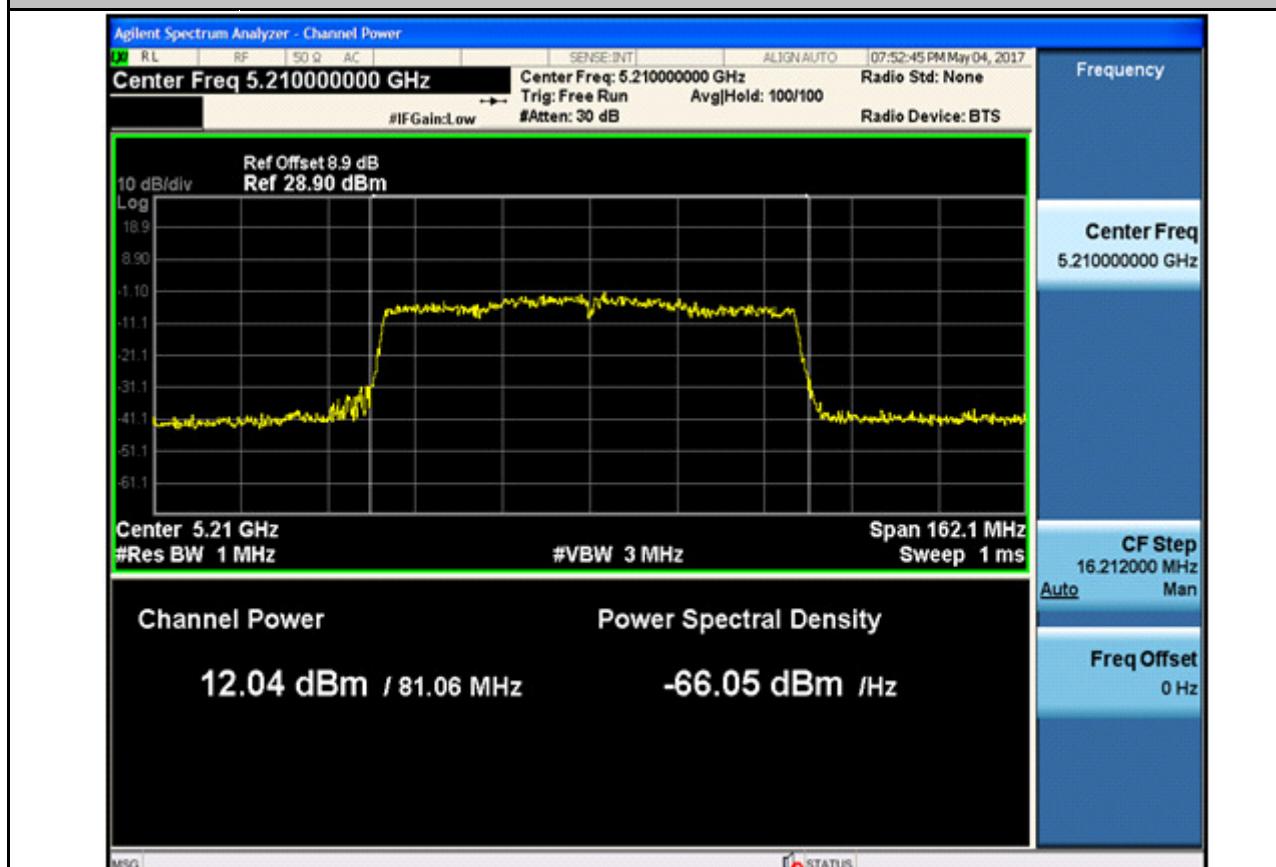
Maximum Conduct Output Power\_11AC40\_5755\_Ant1



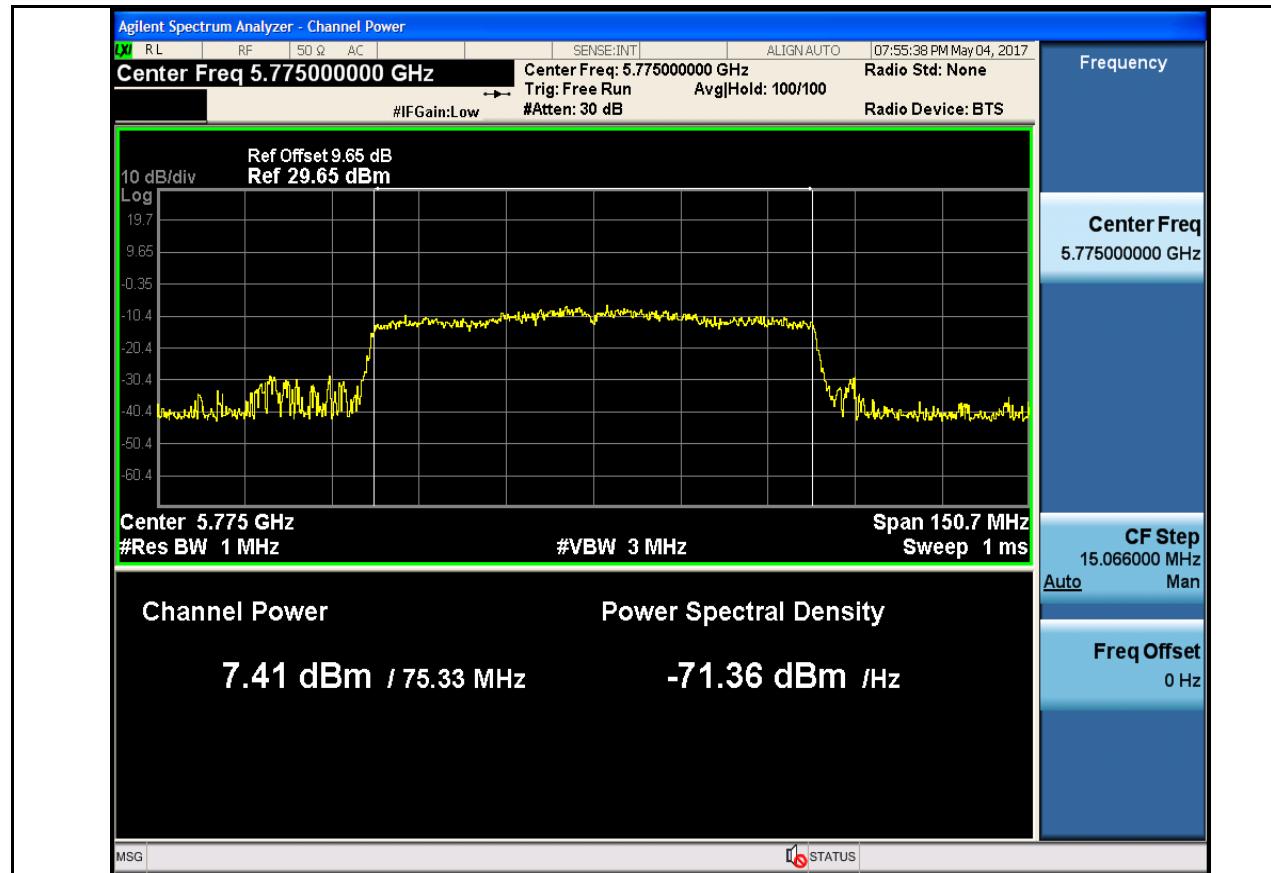
Maximum Conduct Output Power\_11AC40\_5795\_Ant1



Maximum Conduct Output Power\_11AC80\_5210\_Ant1



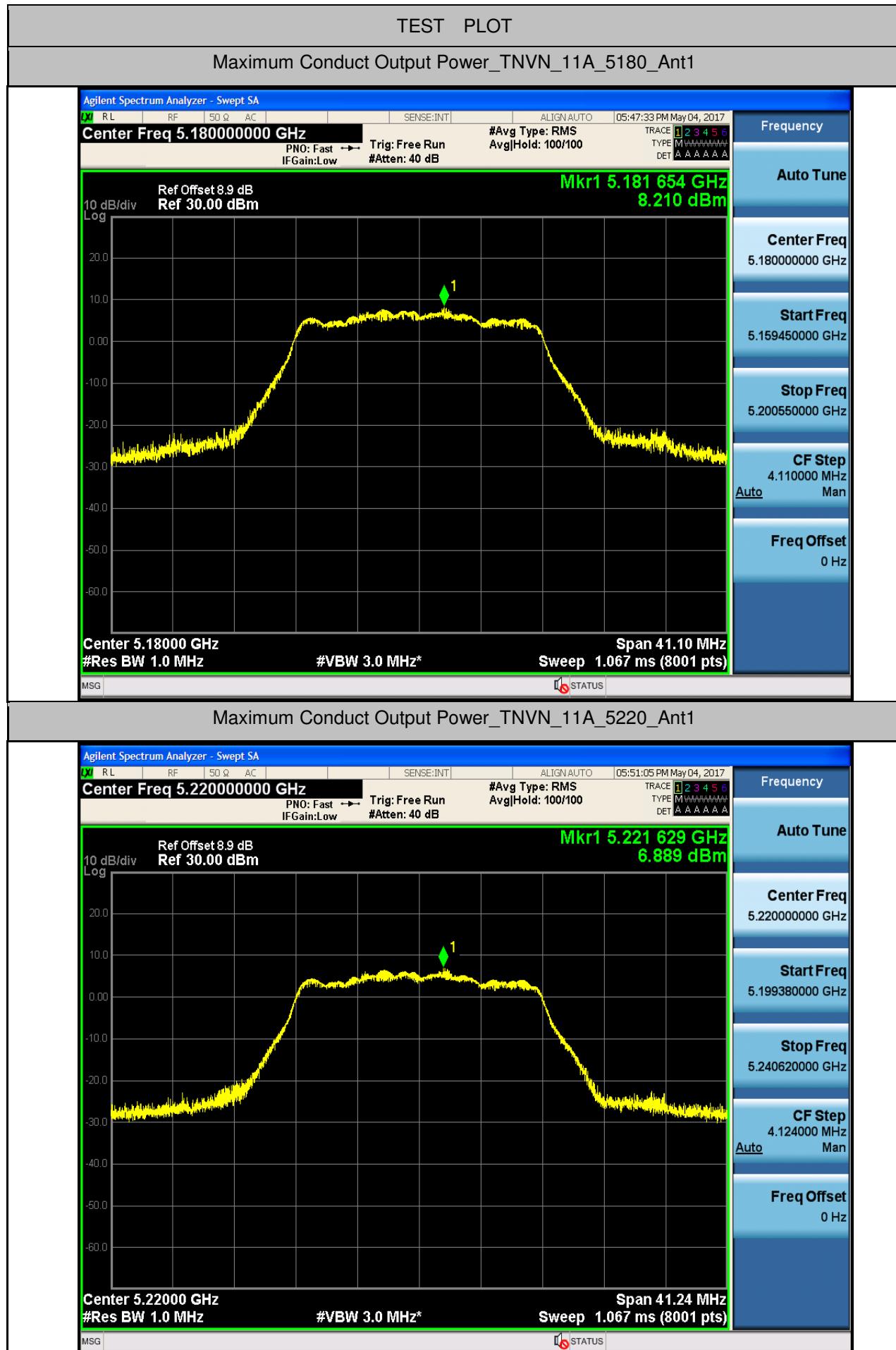
Maximum Conduct Output Power\_11AC80\_5775\_Ant1

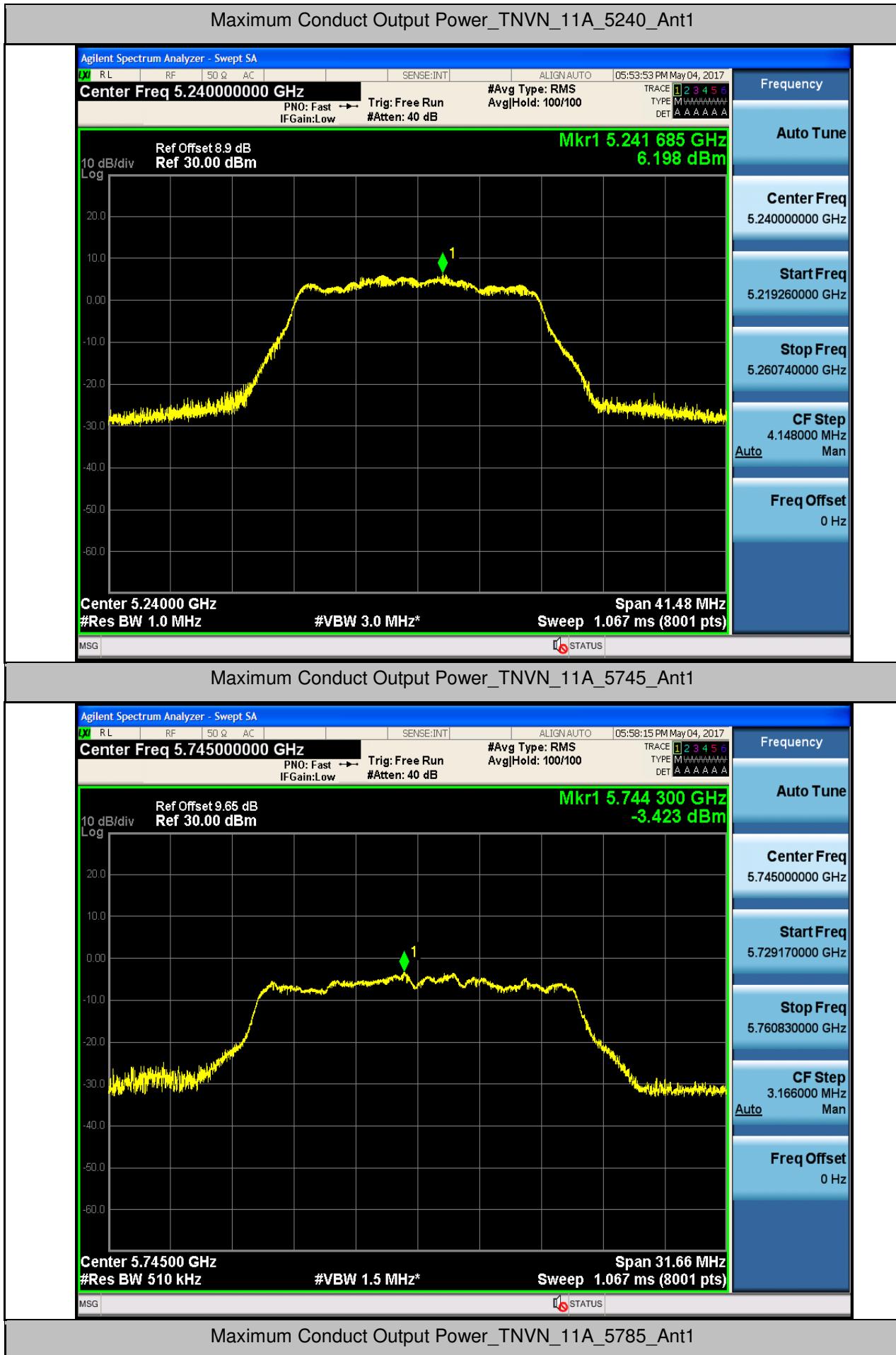


#### 4. Maximum Power Spectral Density

Test Mode	Test Channel	Ant	Level [dBm/MHz]	10log(1/x) Factor [dB]	PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	5180	Ant1	8.21	0.342340358173138	8.55	11.00	PASS
11A	5220	Ant1	6.889	0.342340358173138	7.23	11.00	PASS
11A	5240	Ant1	6.198	0.342340358173138	6.54	11.00	PASS
11N20	5180	Ant1	8.502	0.371573187987576	8.87	11.00	PASS
11N20	5220	Ant1	6.64	0.371573187987576	7.01	11.00	PASS
11N20	5240	Ant1	6.839	0.371573187987576	7.21	11.00	PASS
11N40	5190	Ant1	5.488	0.639892042847904	6.13	11.00	PASS
11N40	5230	Ant1	4.001	0.639892042847904	4.64	11.00	PASS
11AC20	5180	Ant1	6.588	0.377727686499150	6.97	11.00	PASS
11AC20	5220	Ant1	5.581	0.377727686499150	5.96	11.00	PASS
11AC20	5240	Ant1	5.936	0.377727686499150	6.31	11.00	PASS
11AC40	5190	Ant1	3.896	0.536951450065251	4.43	11.00	PASS
11AC40	5230	Ant1	2.514	0.536951450065251	3.05	11.00	PASS
11AC80	5210	Ant1	0.999	0.896958319314312	1.90	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	-3.423	0.342340358173138	0	-3.08	17.00	PASS
11A	5785	Ant1	-2.599	0.342340358173138	0	-2.26	17.00	PASS
11A	5825	Ant1	-3.89	0.342340358173138	0	-3.55	17.00	PASS
11N20	5745	Ant1	-3.286	0.371573187987576	0	-2.91	17.00	PASS
11N20	5785	Ant1	-2.899	0.371573187987576	0	-2.53	17.00	PASS
11N20	5825	Ant1	-3.431	0.371573187987576	0	-3.06	17.00	PASS
11N40	5755	Ant1	-3.914	0.639892042847904	0	-3.27	17.00	PASS
11N40	5795	Ant1	-2.977	0.639892042847904	0	-2.34	17.00	PASS
11AC20	5745	Ant1	-4.372	0.377727686499150	0	-3.99	17.00	PASS
11AC20	5785	Ant1	-3.317	0.377727686499150	0	-2.94	17.00	PASS
11AC20	5825	Ant1	-5.502	0.377727686499150	0	-5.12	17.00	PASS
11AC40	5755	Ant1	-5.255	0.536951450065251	0	-4.72	17.00	PASS
11AC40	5795	Ant1	-5.461	0.536951450065251	0	-4.92	17.00	PASS
11AC80	5775	Ant1	-7.805	0.896958319314312	0	-6.91	17.00	PASS







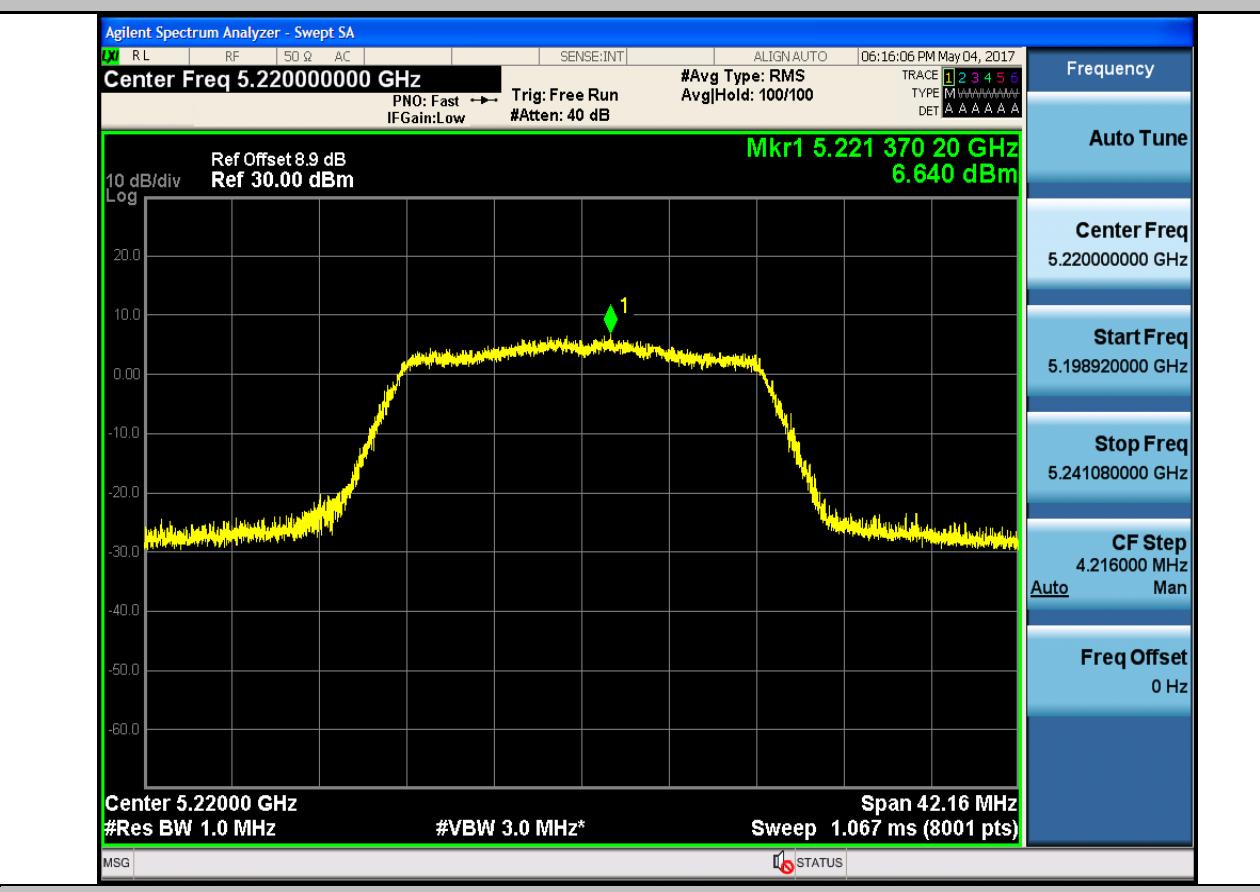
Maximum Conduct Output Power\_TNVN\_11A\_5825\_Ant1



Maximum Conduct Output Power\_TNVN\_11N20\_5180\_Ant1



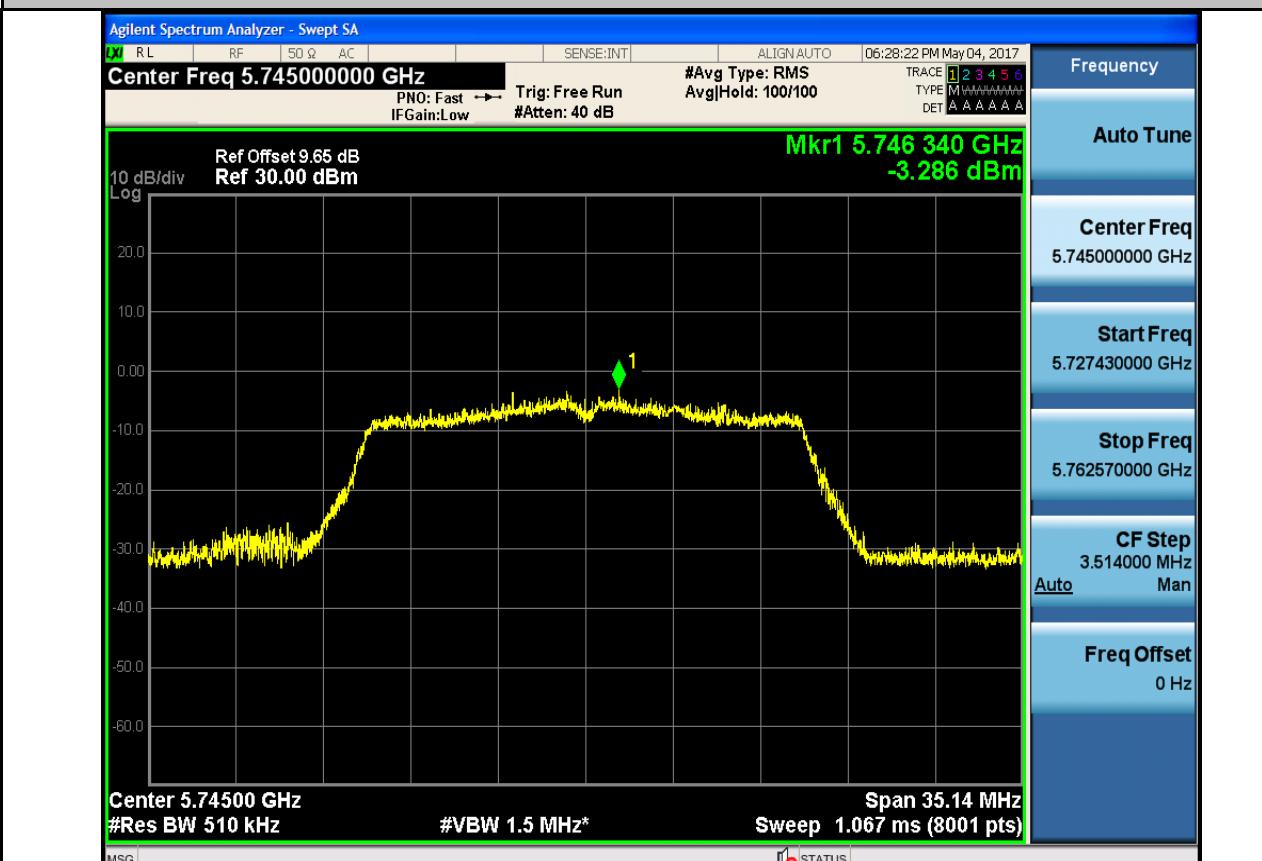
Maximum Conduct Output Power\_TNVN\_11N20\_5220\_Ant1



Maximum Conduct Output Power\_TNVN\_11N20\_5240\_Ant1



Maximum Conduct Output Power\_TNVN\_11N20\_5745\_Ant1



Maximum Conduct Output Power\_TNVN\_11N20\_5785\_Ant1



Maximum Conduct Output Power\_TNVN\_11N20\_5825\_Ant1



Maximum Conduct Output Power\_TNVN\_11N40\_5190\_Ant1



Maximum Conduct Output Power\_TNVN\_11N40\_5230\_Ant1



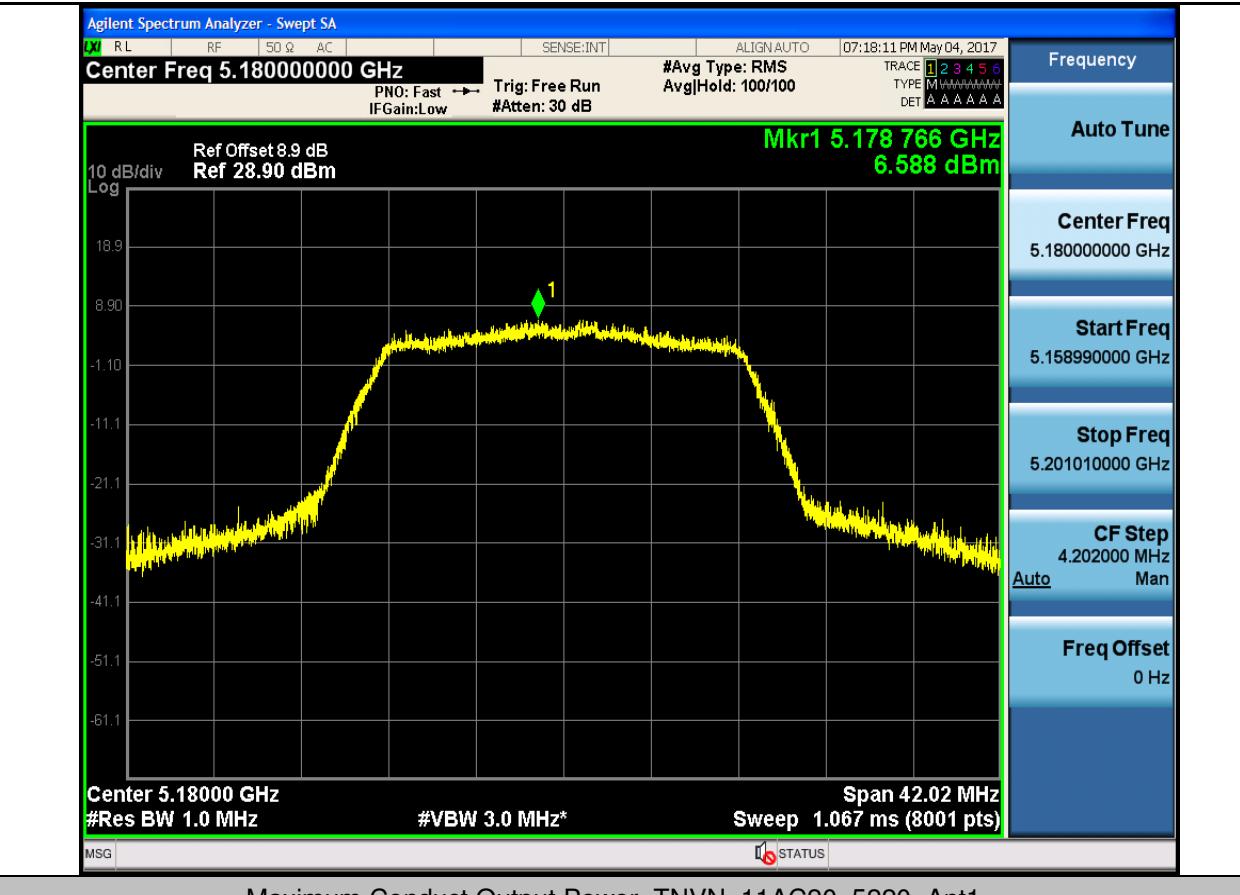
Maximum Conduct Output Power\_TNVN\_11N40\_5755\_Ant1



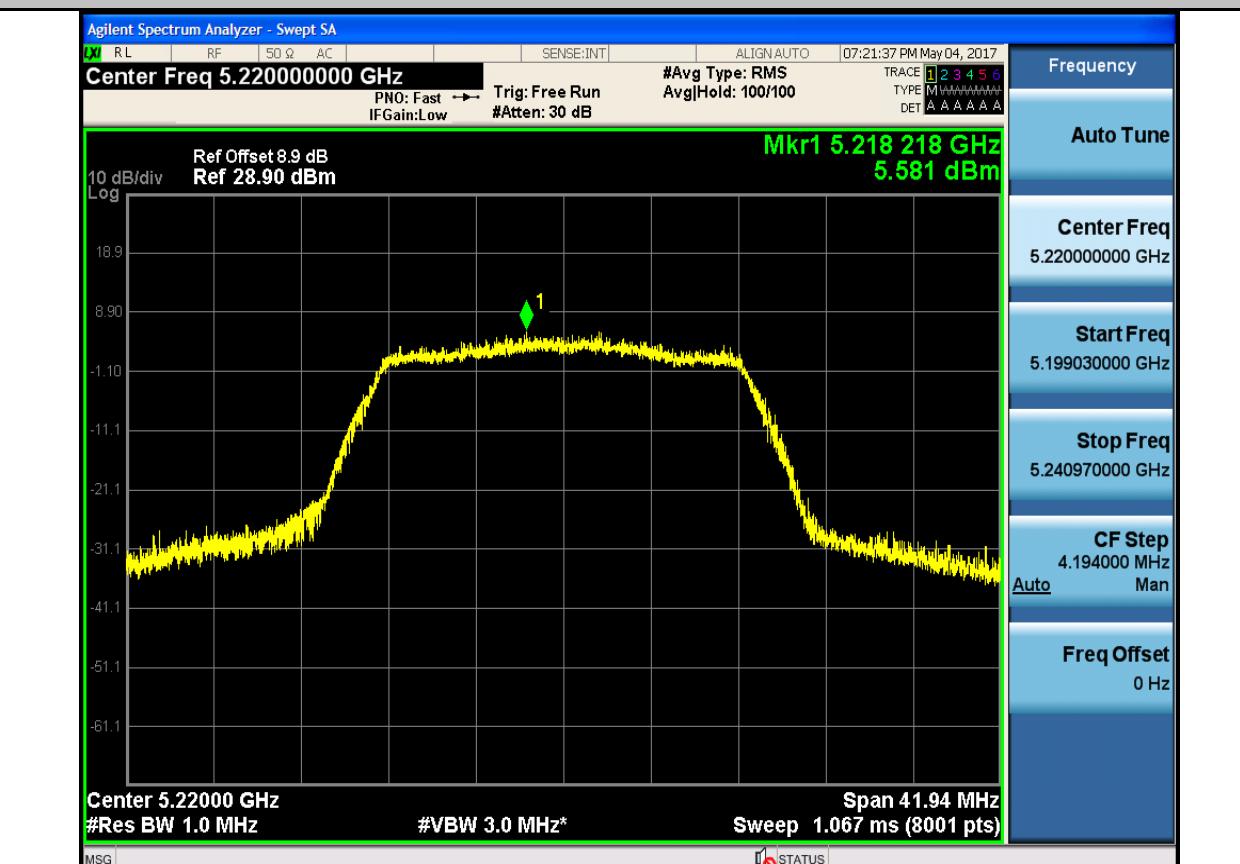
Maximum Conduct Output Power\_TNVN\_11N40\_5795\_Ant1



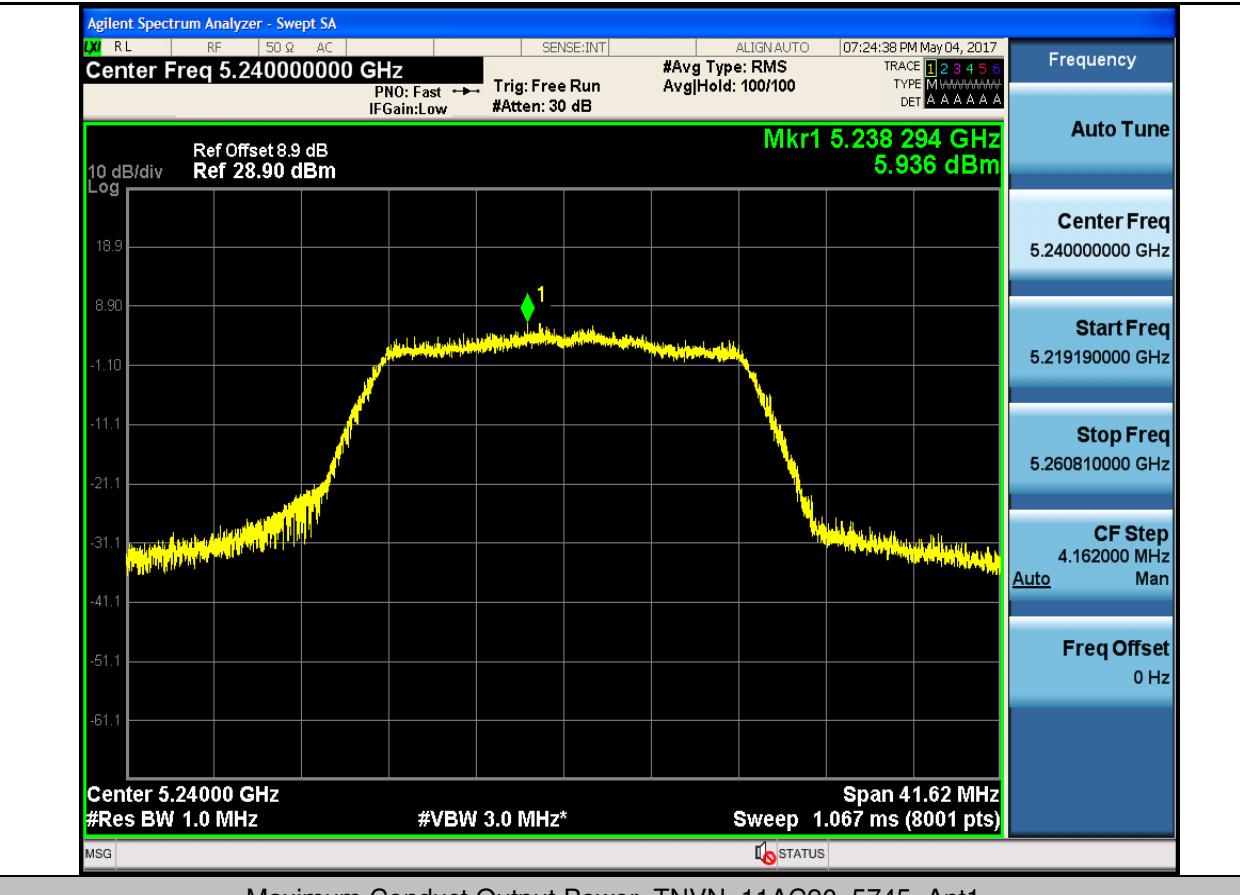
Maximum Conduct Output Power\_TNVN\_11AC20\_5180\_Ant1



Maximum Conduct Output Power\_TNVN\_11AC20\_5220\_Ant1



Maximum Conduct Output Power\_TNVN\_11AC20\_5240\_Ant1



Maximum Conduct Output Power\_TNVN\_11AC20\_5745\_Ant1



Maximum Conduct Output Power\_TNVN\_11AC20\_5785\_Ant1



Maximum Conduct Output Power\_TNVN\_11AC20\_5825\_Ant1



Maximum Conduct Output Power\_TNVN\_11AC40\_5190\_Ant1



Maximum Conduct Output Power\_TNVN\_11AC40\_5230\_Ant1



Maximum Conduct Output Power\_TNVN\_11AC40\_5755\_Ant1



Maximum Conduct Output Power\_TNVN\_11AC40\_5795\_Ant1



Maximum Conduct Output Power\_TNVN\_11AC80\_5210\_Ant1

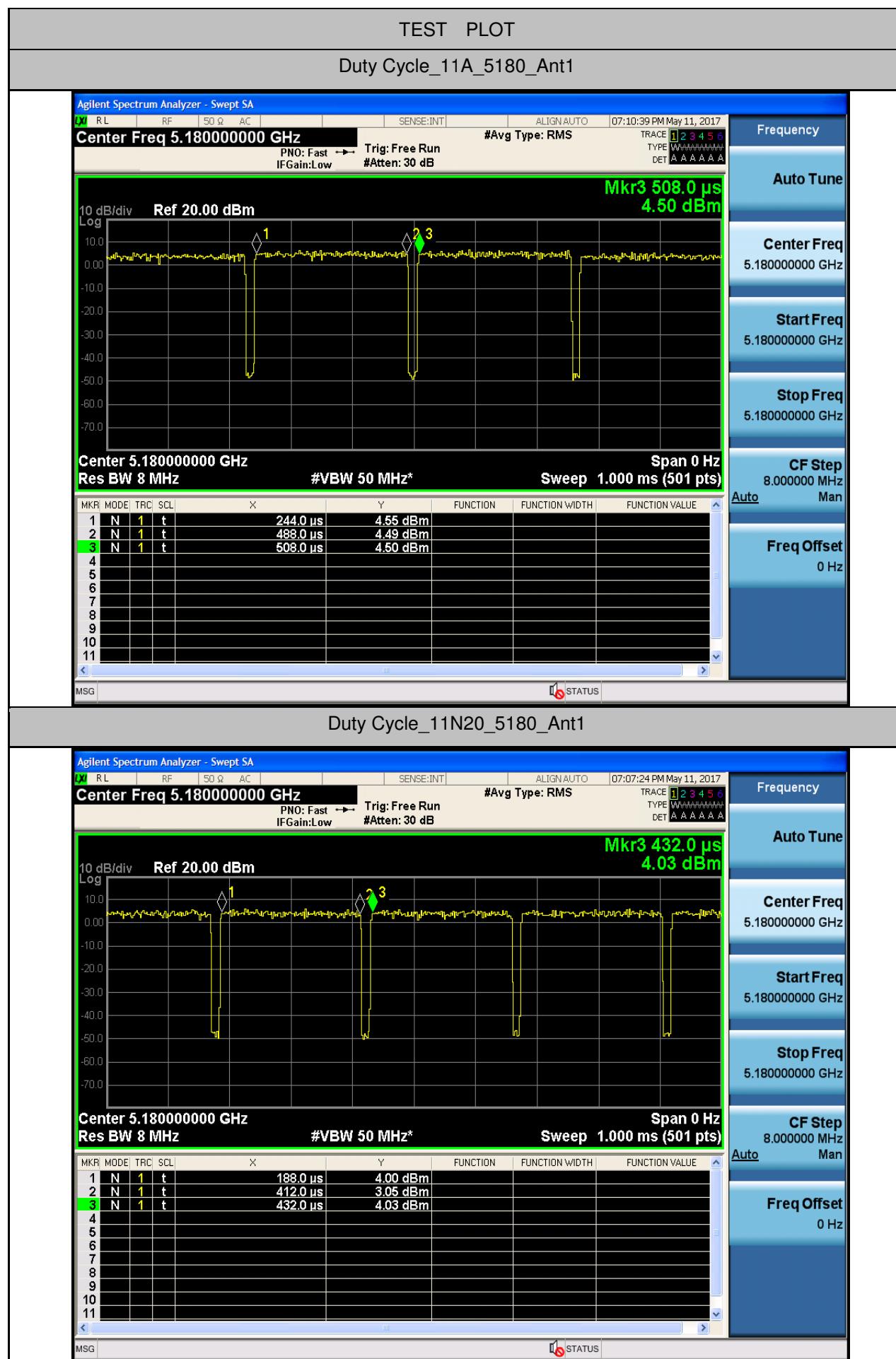


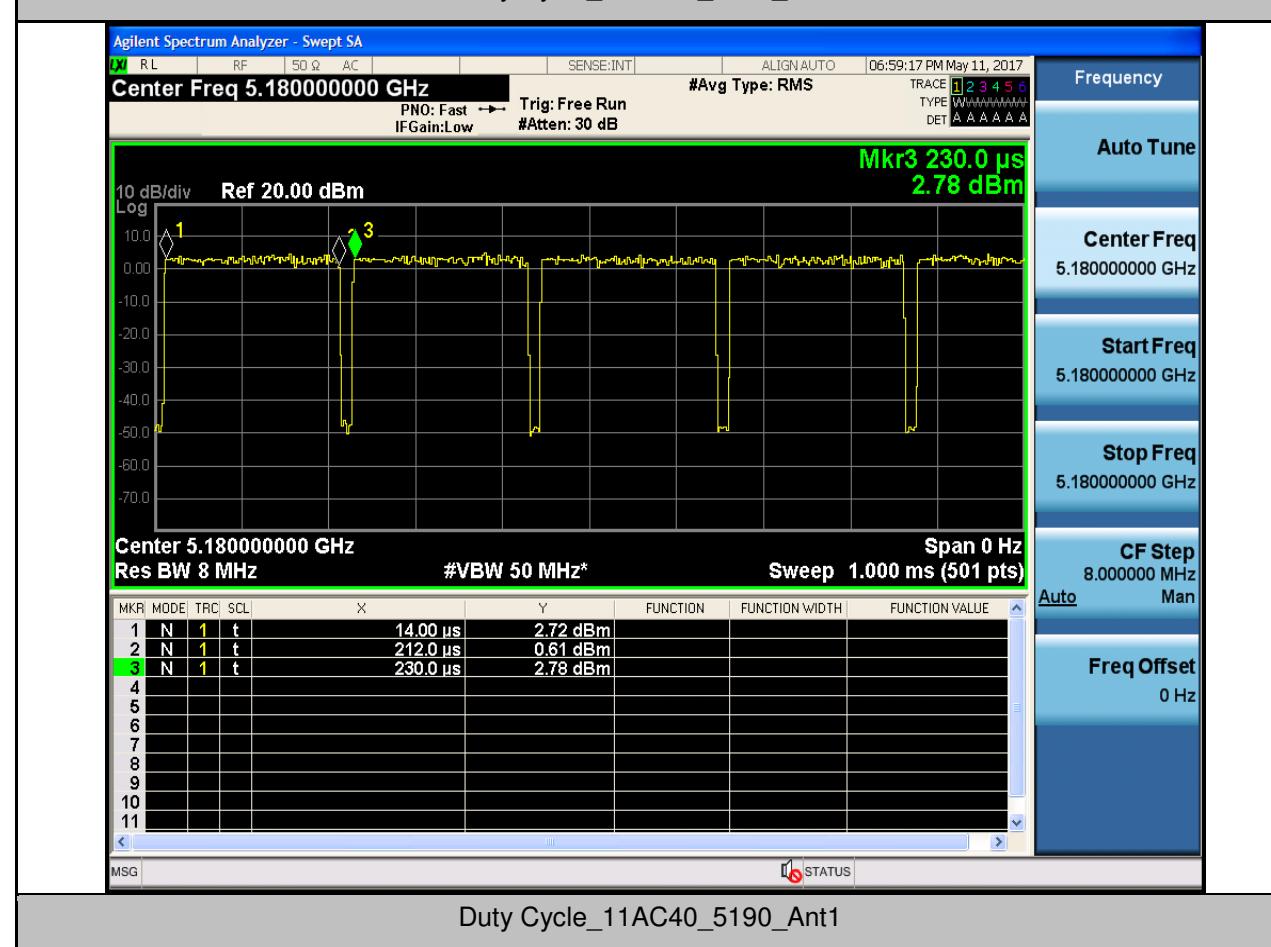
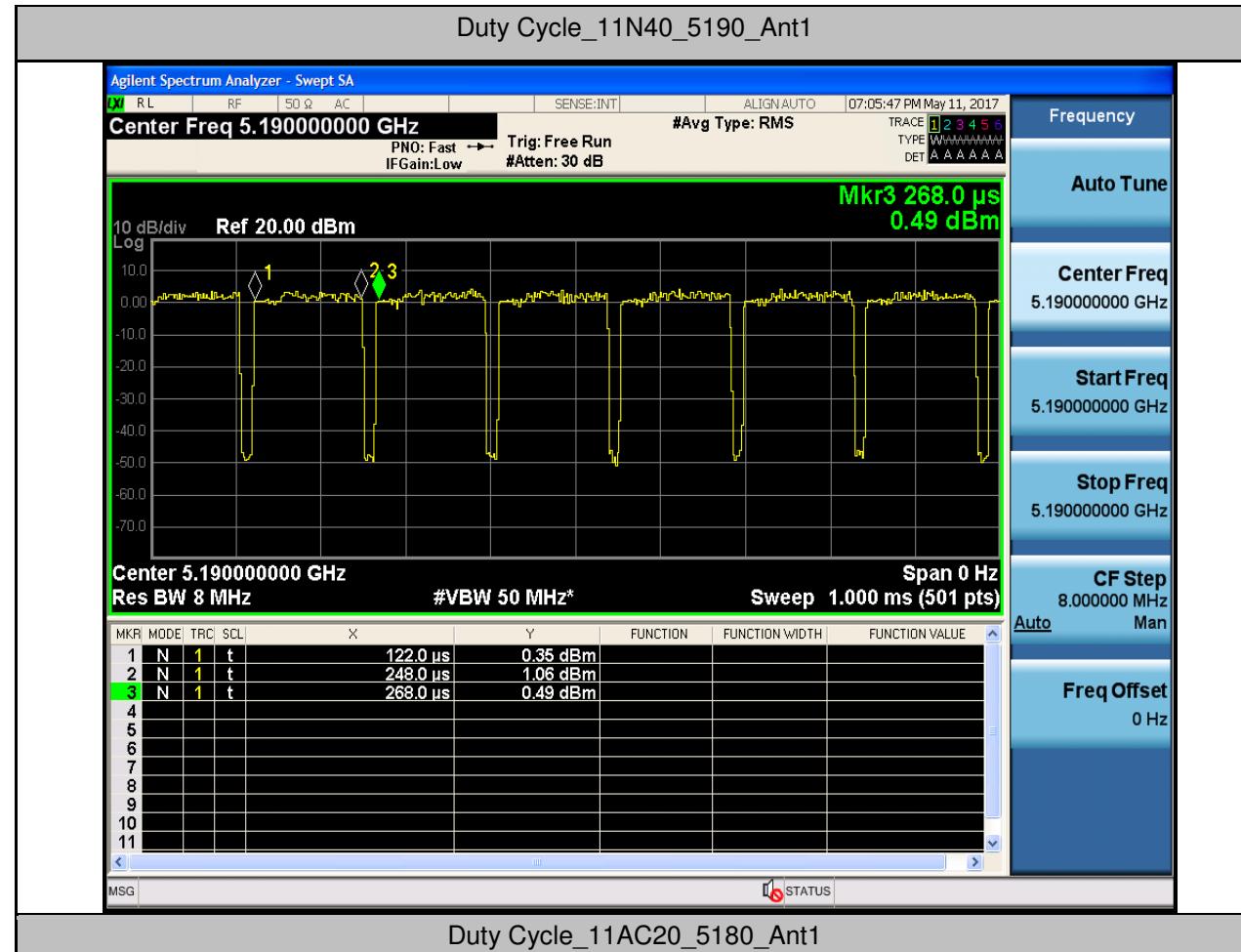
Maximum Conduct Output Power\_TNvn\_11AC80\_5775\_Ant1



**7. Duty Cycle (x)**

Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor[dB]
11A	5180	Ant1	92.42	0.342340358173138
11N20	5180	Ant1	91.8	0.371573187987576
11N40	5190	Ant1	86.3	0.639892042847904
11AC20	5180	Ant1	91.67	0.37772768649915
11AC40	5190	Ant1	88.37	0.536951450065251
11AC80	5210	Ant1	81.34	0.896958319314312





Duty Cycle\_11AC40\_5190\_Ant1

