

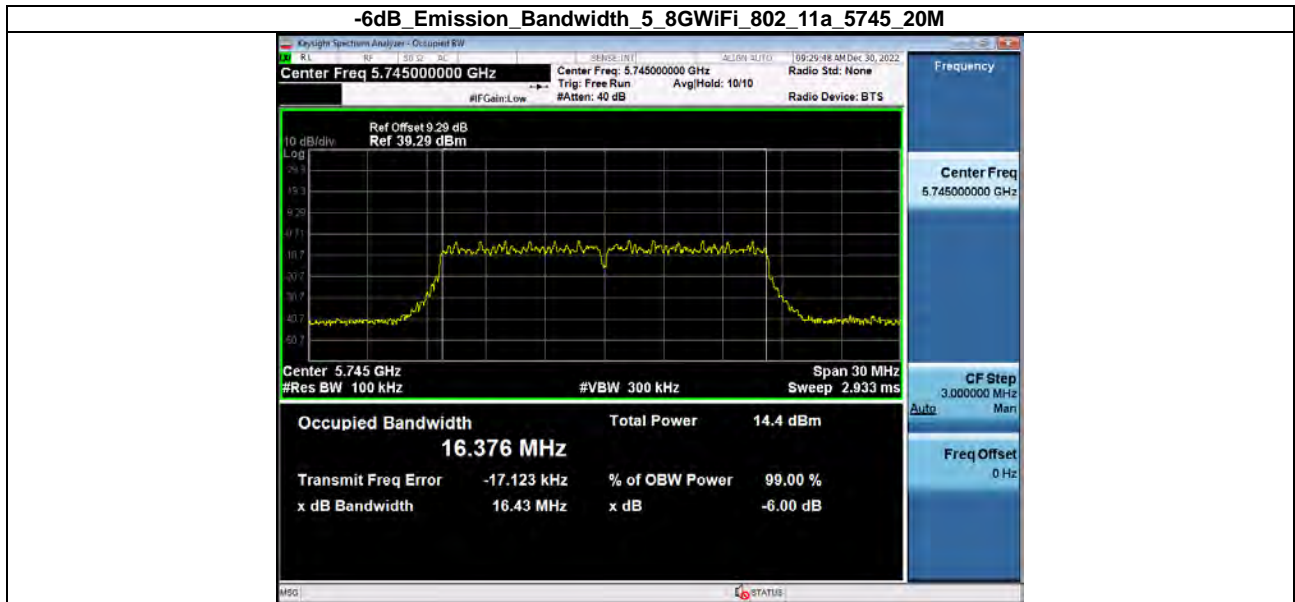
12.APPENDIX1---5.8GWIFI

1. -6dB Emission Bandwidth

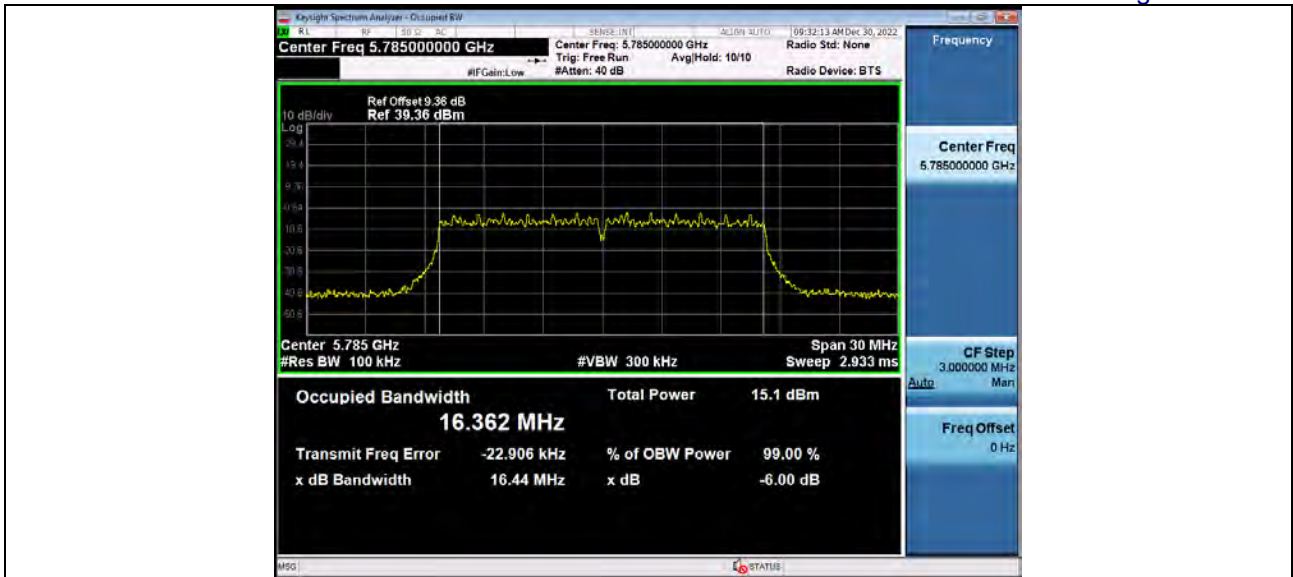
Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	LCH	5745.00	16.434	0.500	Pass
NVNT	ANT1	MCH	5785.00	16.439	0.500	Pass
NVNT	ANT1	HCH	5825.00	16.447	0.500	Pass
NVNT	ANT1	LCH	5745.00	17.334	0.500	Pass
NVNT	ANT1	MCH	5785.00	17.548	0.500	Pass
NVNT	ANT1	HCH	5825.00	17.584	0.500	Pass
NVNT	ANT1	LCH	5745.00	17.312	0.500	Pass
NVNT	ANT1	MCH	5785.00	17.655	0.500	Pass
NVNT	ANT1	HCH	5825.00	17.459	0.500	Pass
NVNT	ANT1	LCH	5755.00	35.201	0.500	Pass
NVNT	ANT1	HCH	5795.00	35.202	0.500	Pass
NVNT	ANT1	LCH	5755.00	35.202	0.500	Pass
NVNT	ANT1	HCH	5795.00	35.188	0.500	Pass
NVNT	ANT1	MCH	5775.00	75.071	0.500	Pass

Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT2	LCH	5745.00	16.329	0.500	Pass
NVNT	ANT2	MCH	5785.00	16.367	0.500	Pass
NVNT	ANT2	HCH	5825.00	16.384	0.500	Pass
NVNT	ANT2	LCH	5745.00	17.654	0.500	Pass
NVNT	ANT2	MCH	5785.00	17.602	0.500	Pass
NVNT	ANT2	HCH	5825.00	17.618	0.500	Pass
NVNT	ANT2	LCH	5745.00	17.502	0.500	Pass
NVNT	ANT2	MCH	5785.00	17.667	0.500	Pass
NVNT	ANT2	HCH	5825.00	17.595	0.500	Pass
NVNT	ANT2	LCH	5755.00	35.199	0.500	Pass
NVNT	ANT2	HCH	5795.00	35.455	0.500	Pass
NVNT	ANT2	LCH	5755.00	35.206	0.500	Pass
NVNT	ANT2	HCH	5795.00	35.774	0.500	Pass
NVNT	ANT2	MCH	5775.00	75.181	0.500	Pass

ANT1



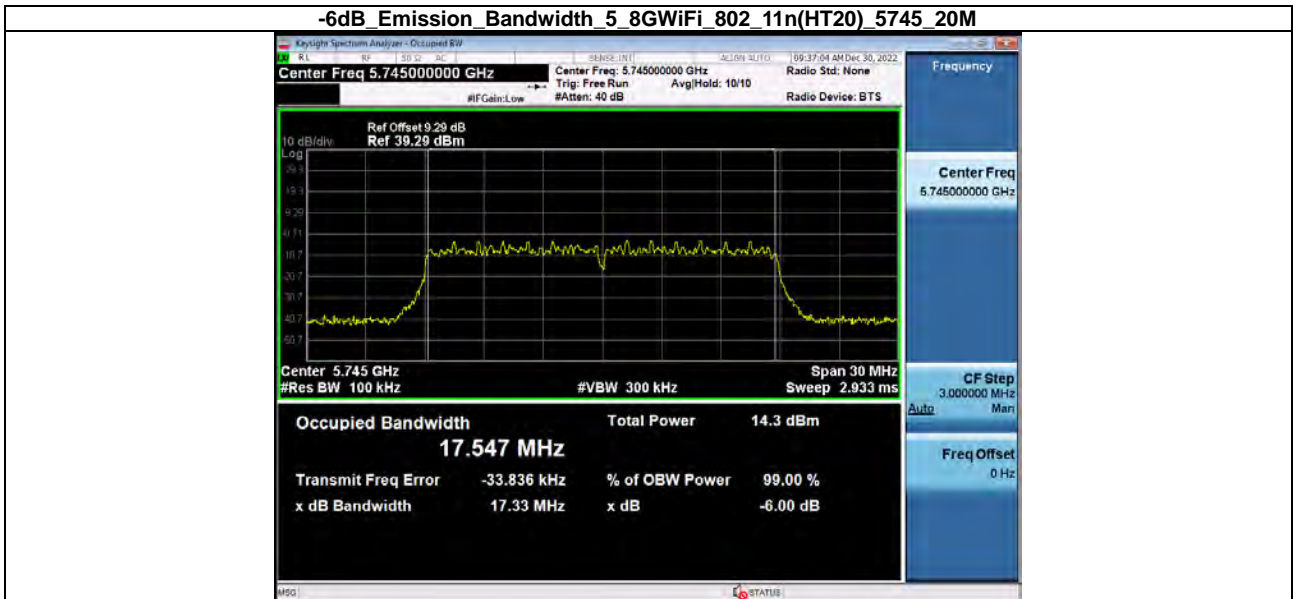
-6dB Emission Bandwidth_5_8WiFi_802_11a_5785_20M



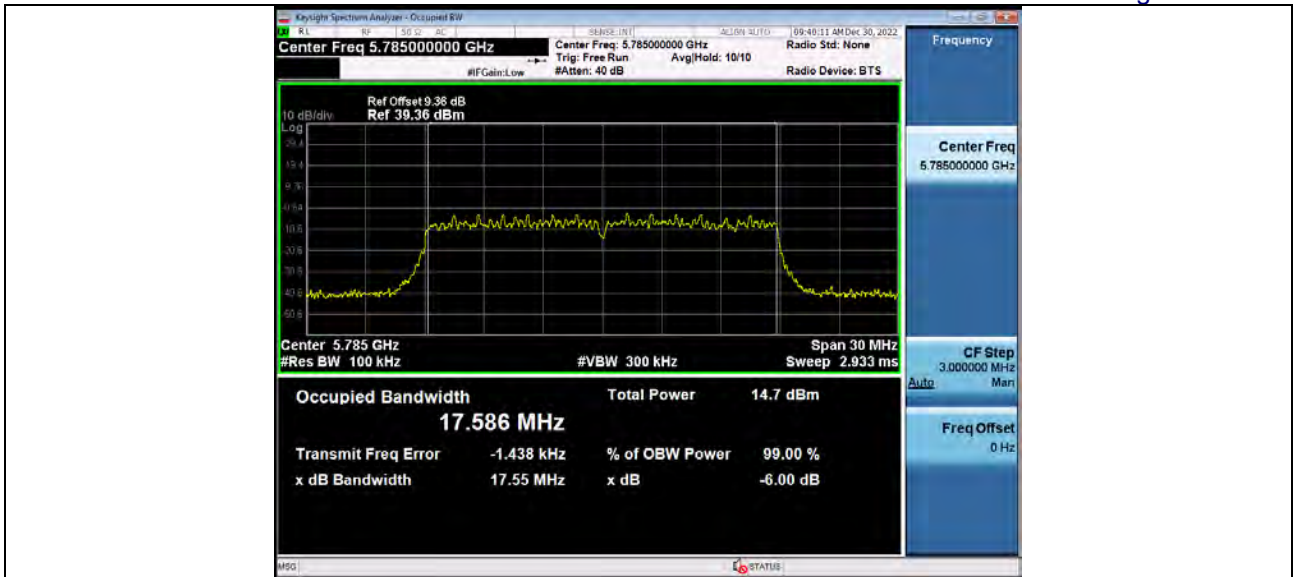
-6dB_Emission_Bandwidth_5_8WiFi_802_11a_5825_20M



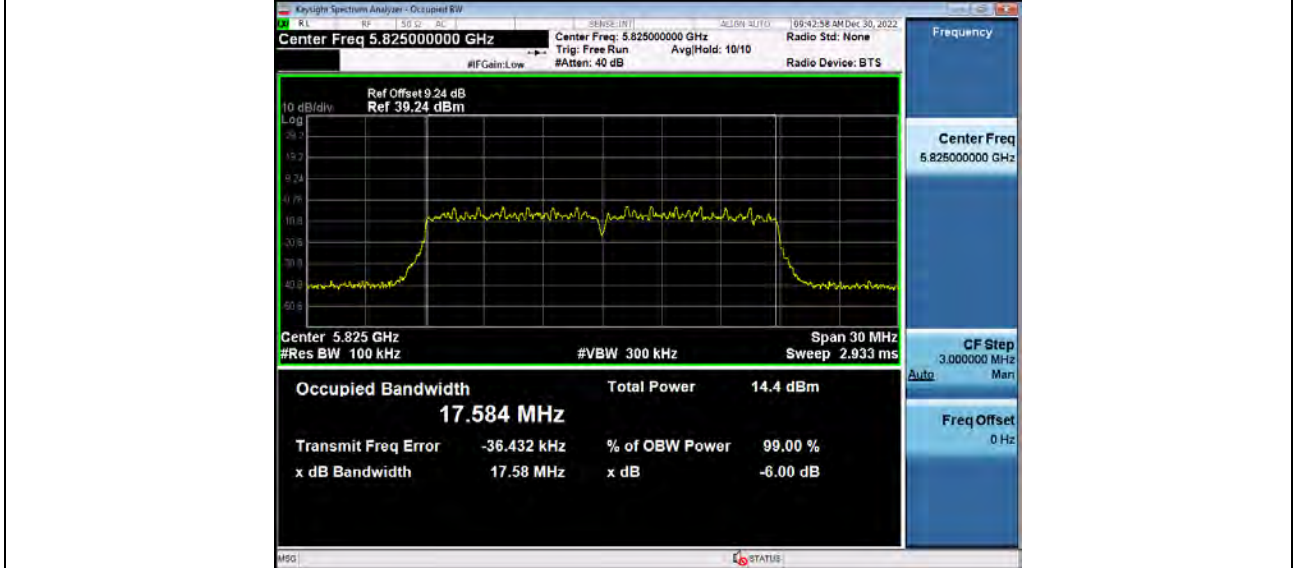
-6dB_Emission_Bandwidth_5_8WiFi_802_11n(HT20)_5745_20M



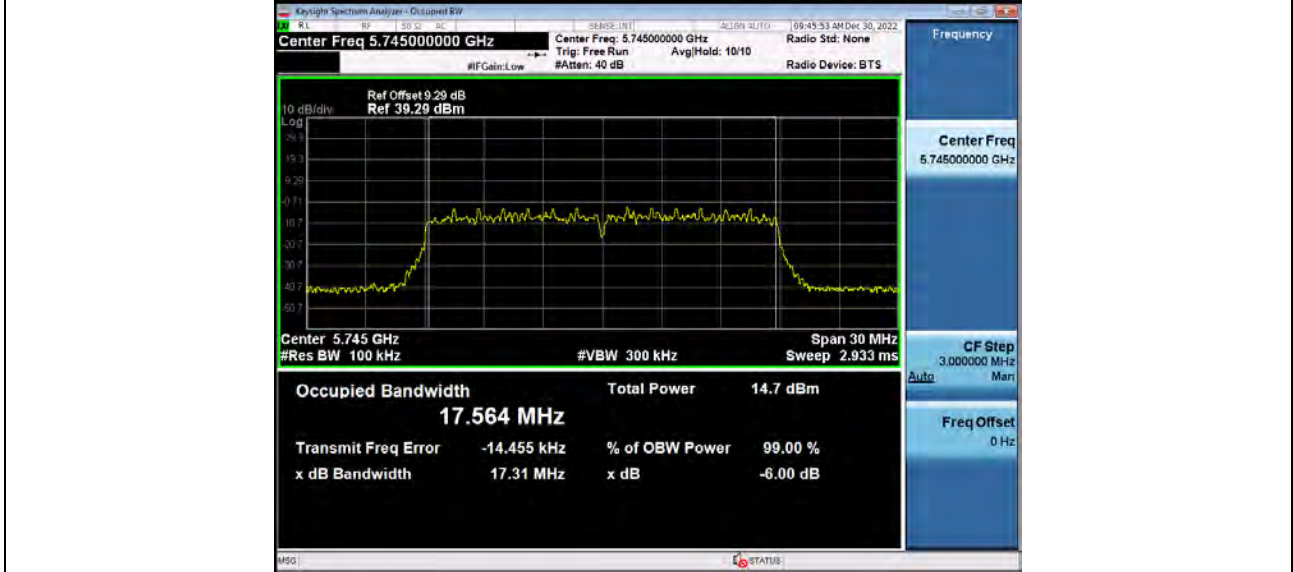
-6dB_Emission_Bandwidth_5_8WiFi_802_11n(HT20)_5785_20M



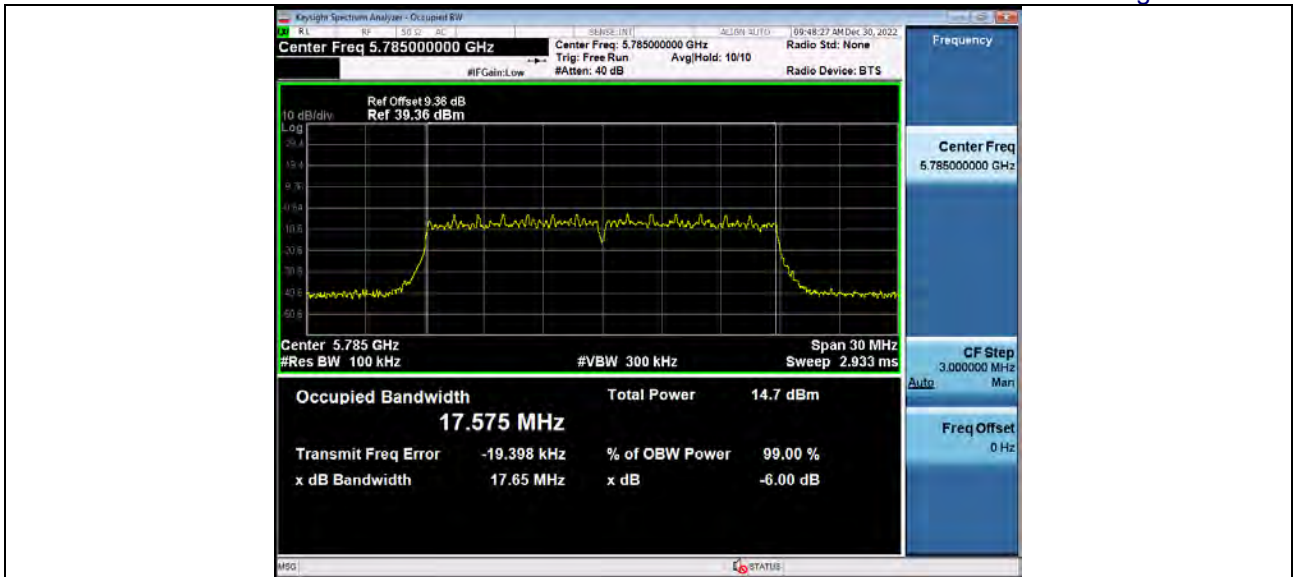
-6dB Emission Bandwidth 5.825 GHz



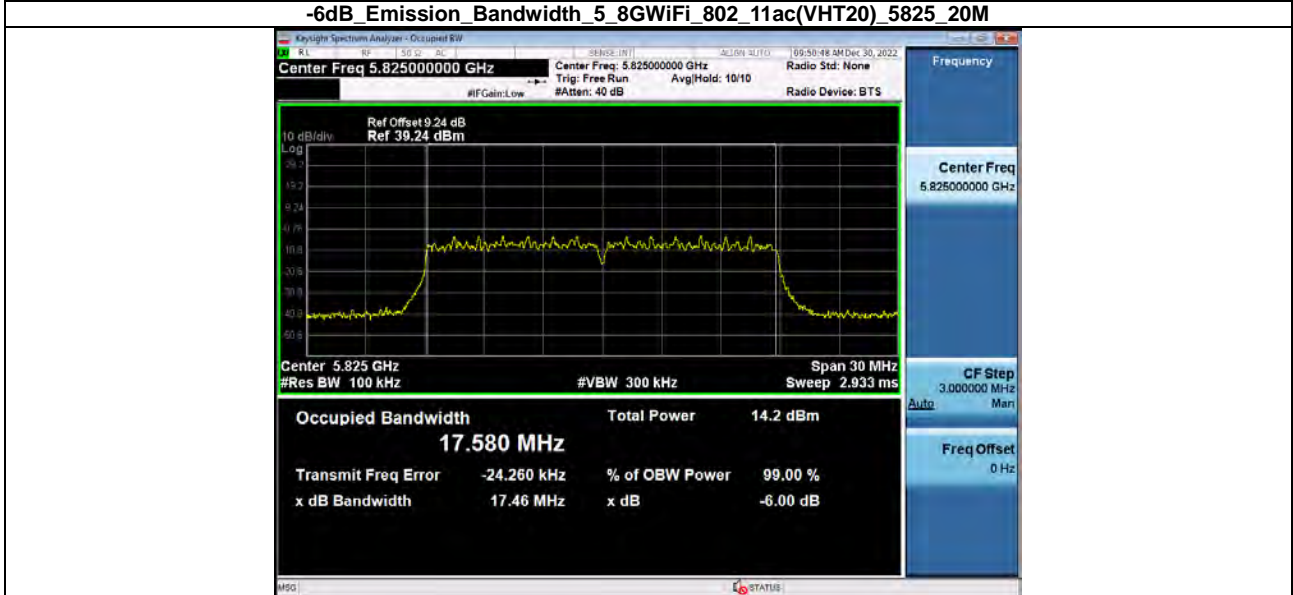
-6dB Emission Bandwidth 5.745 GHz



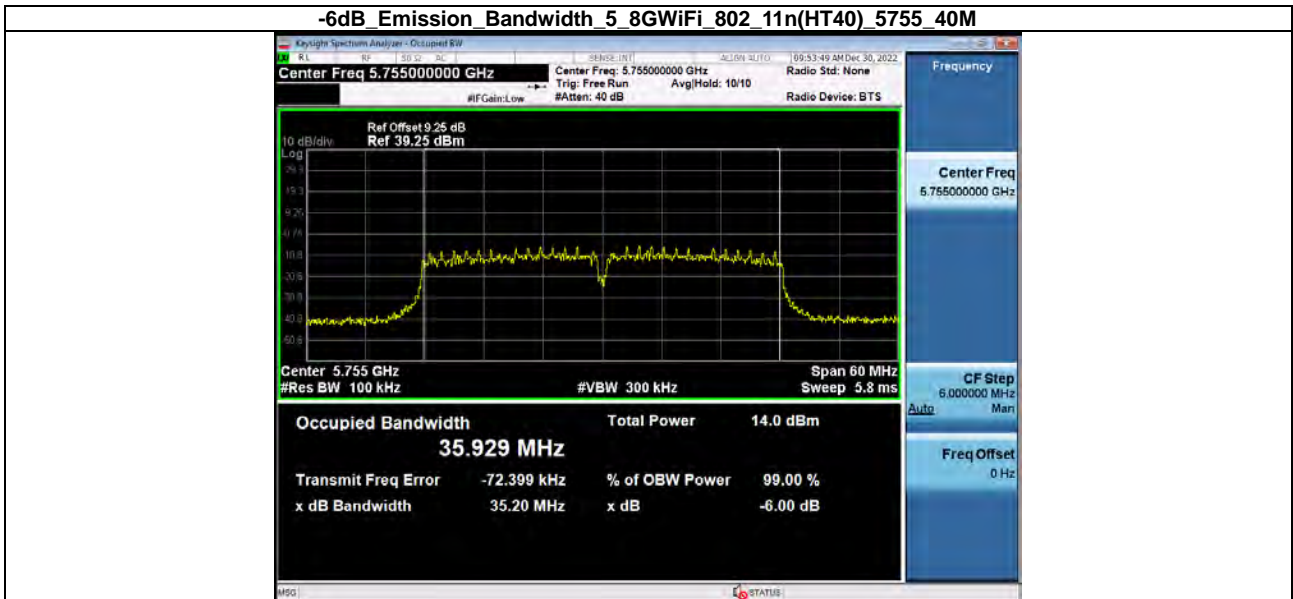
-6dB Emission Bandwidth 5.785 GHz



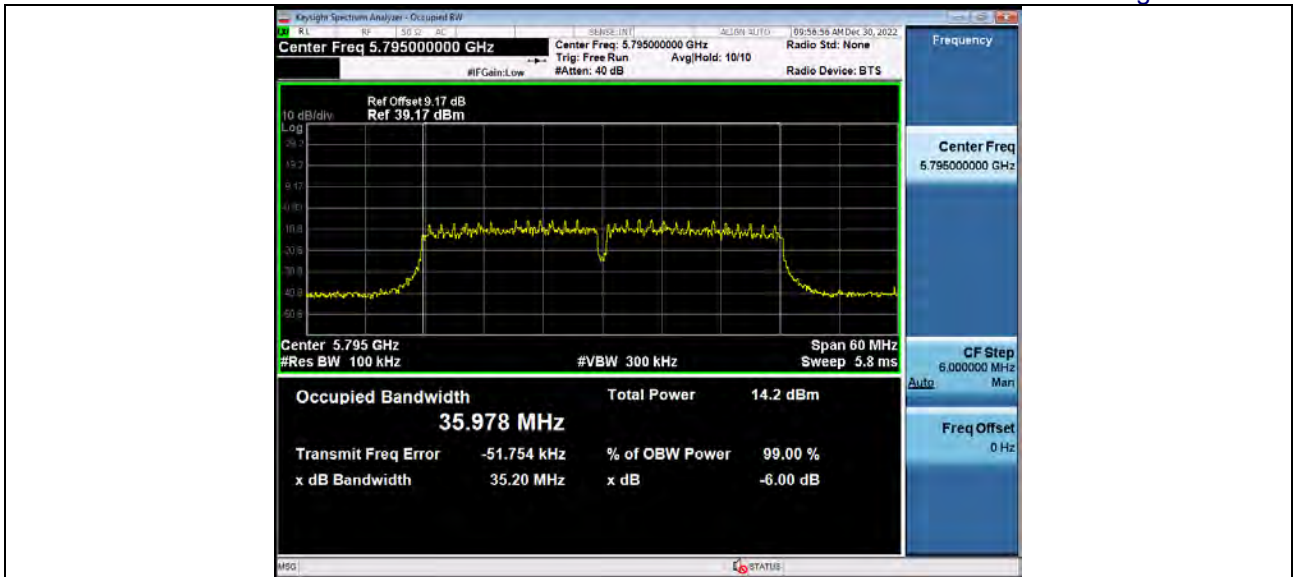
-6dB_Emission_Bandwidth_5_8WiFi_802_11ac(VHT20)_5825_20M



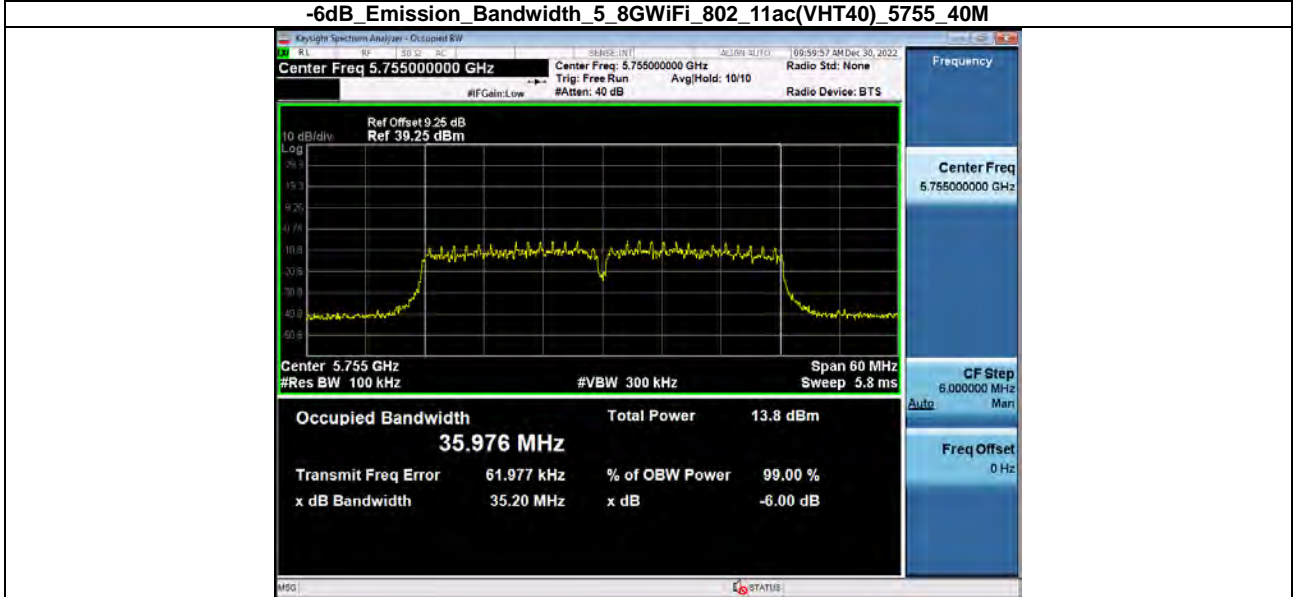
-6dB_Emission_Bandwidth_5_8WiFi_802_11n(HT40)_5755_40M



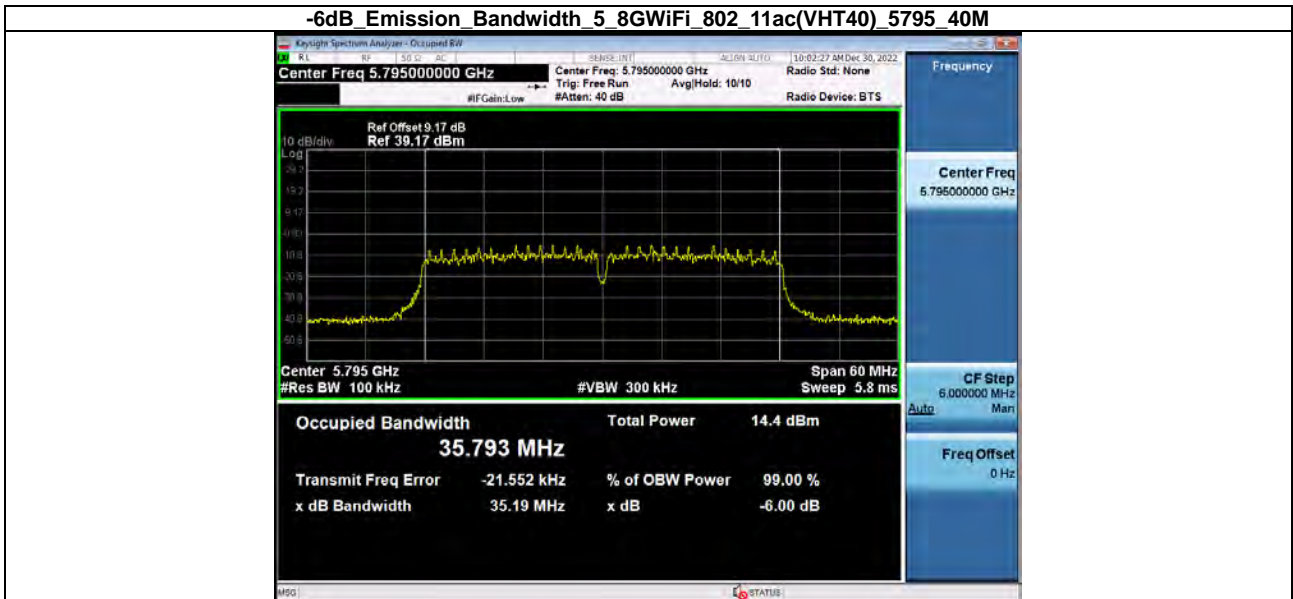
-6dB_Emission_Bandwidth_5_8WiFi_802_11n(HT40)_5795_40M



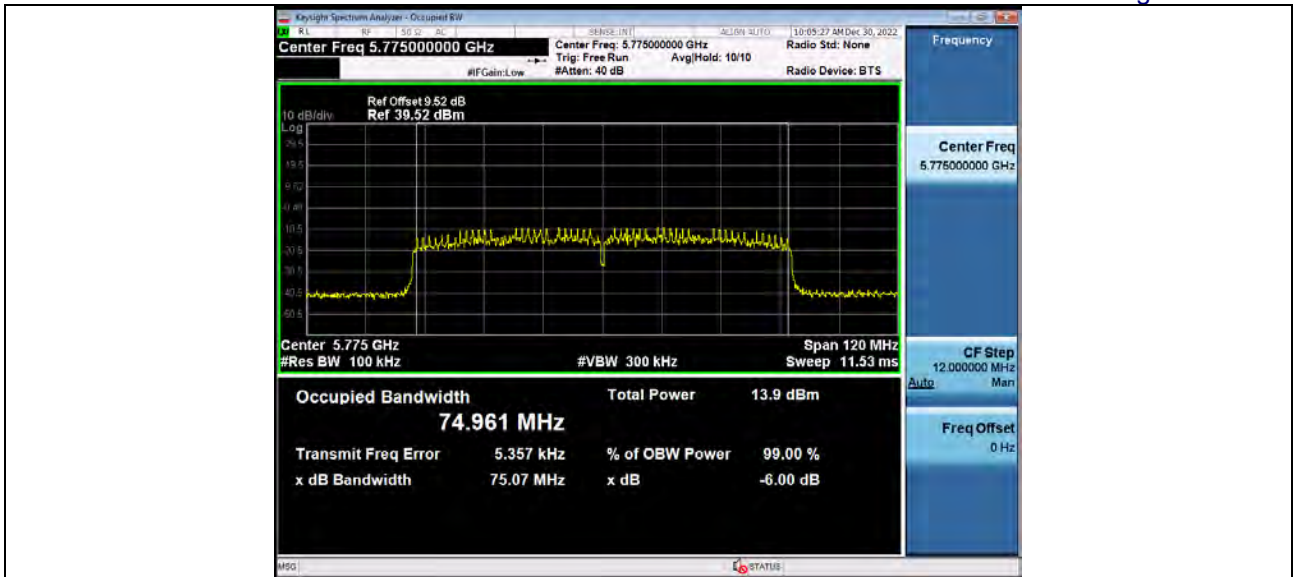
-6dB Emission Bandwidth 5.8WiFi 802.11ac(VHT40) 5755_40M



-6dB Emission Bandwidth 5.8WiFi 802.11ac(VHT40) 5795_40M

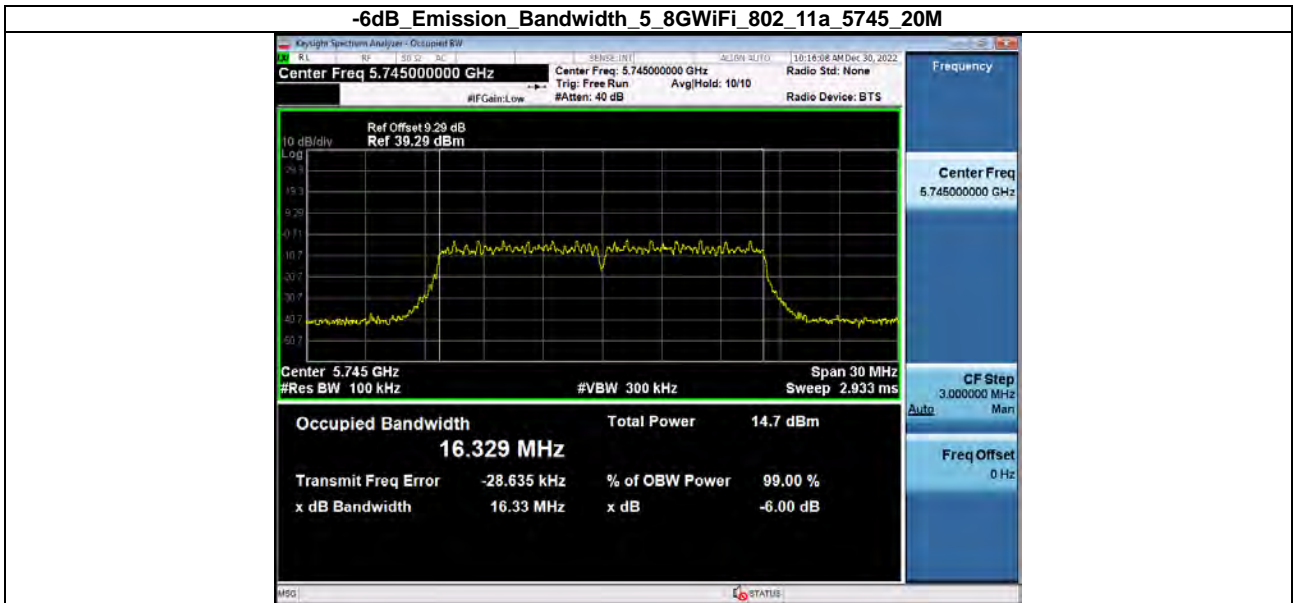


-6dB Emission Bandwidth 5.8WiFi 802.11ac(VHT80) 5775_80M

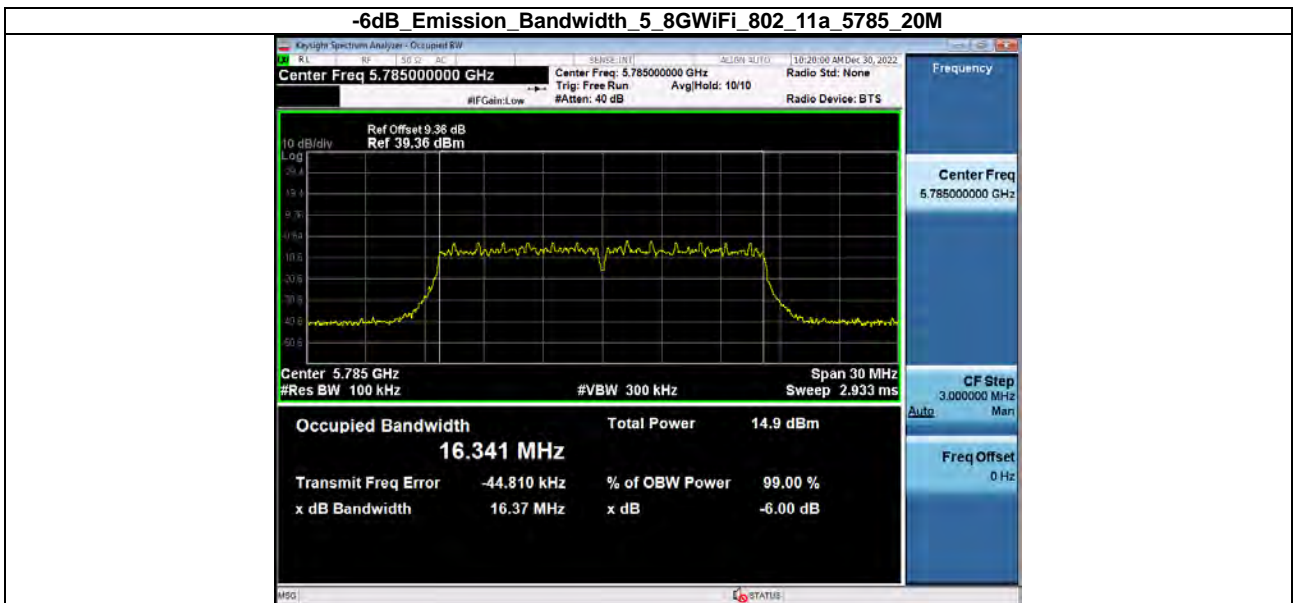


ANT2

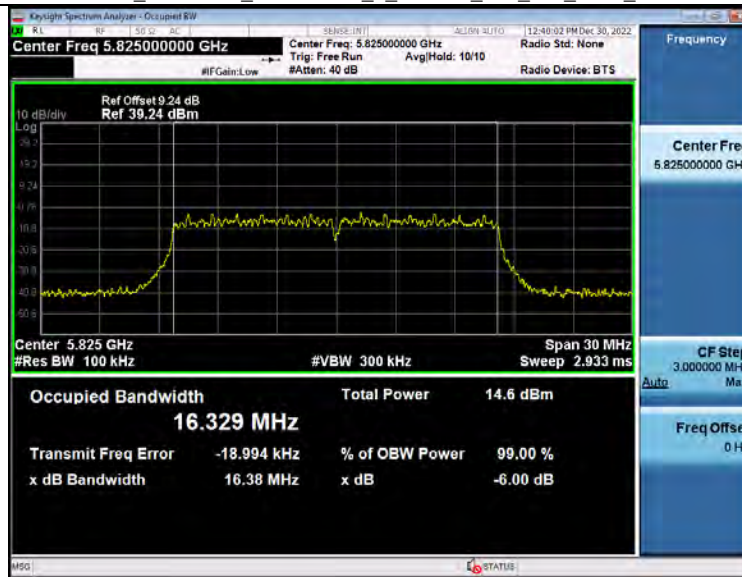
-6dB Emission Bandwidth 5_8WiFi 802_11a 5745_20M



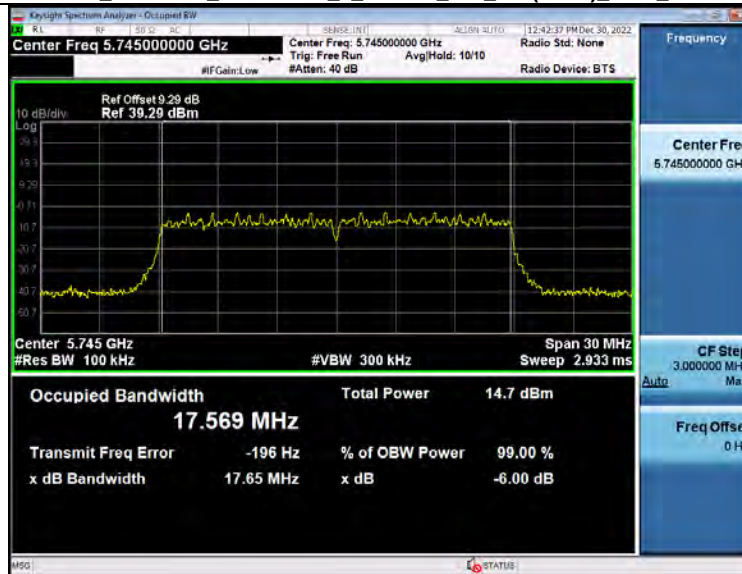
-6dB Emission Bandwidth 5_8WiFi 802_11a 5785_20M



-6dB Emission Bandwidth 5_8WiFi 802_11a_5825_20M



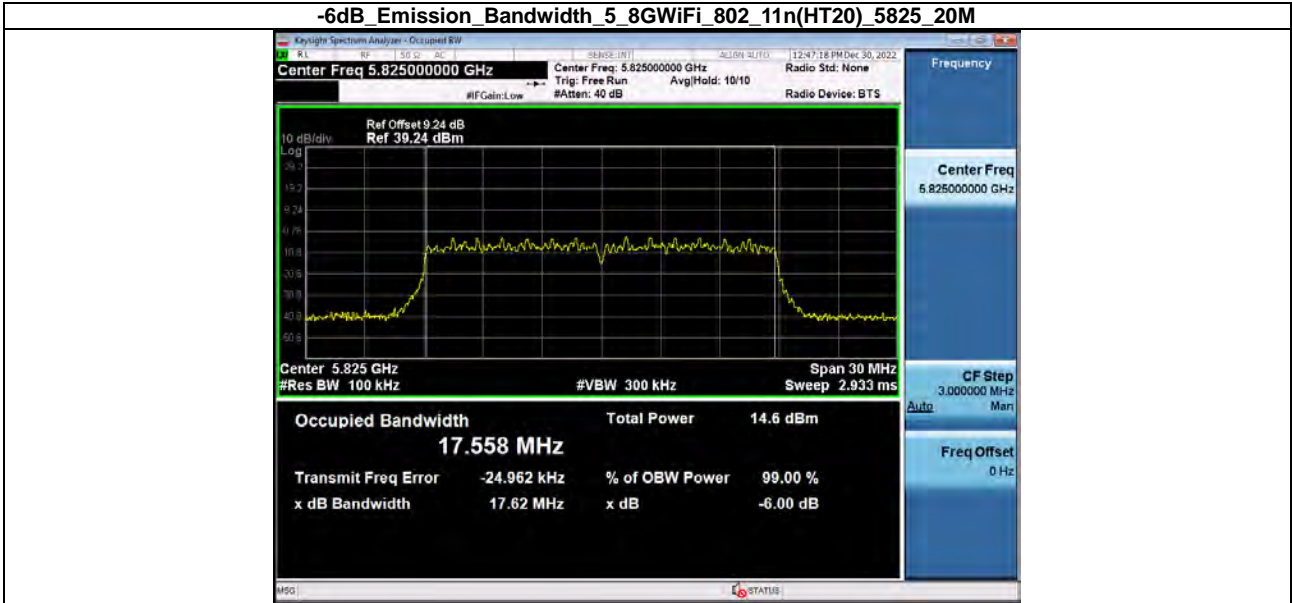
-6dB Emission Bandwidth 5_8WiFi 802_11n(HT20)_5745_20M



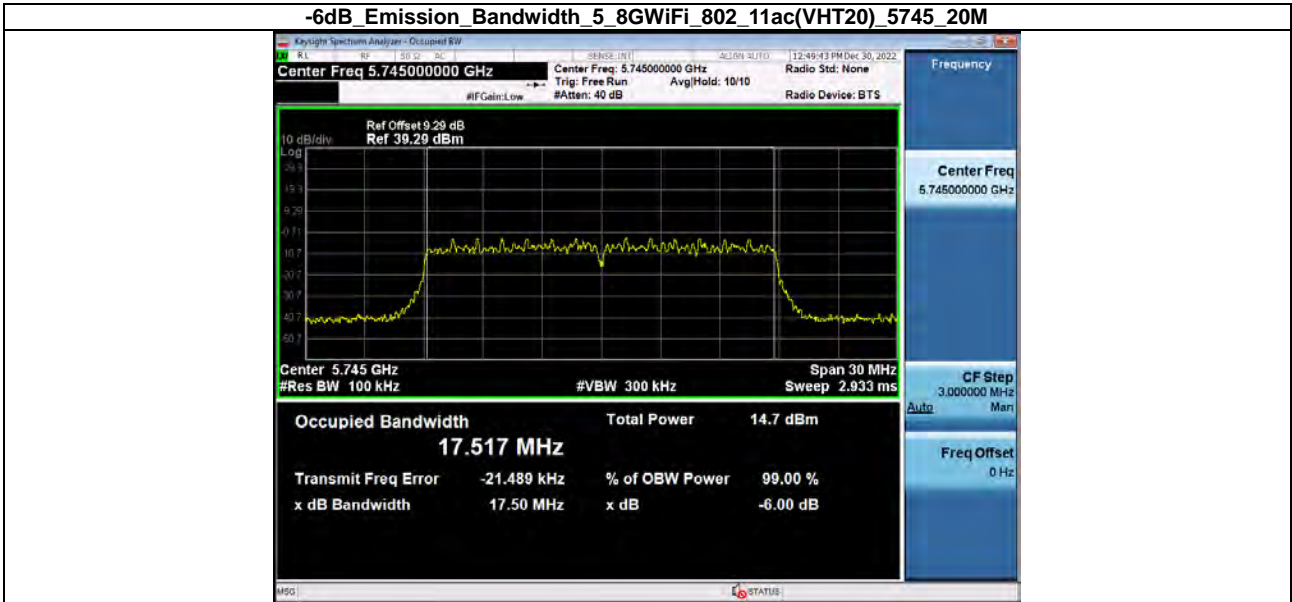
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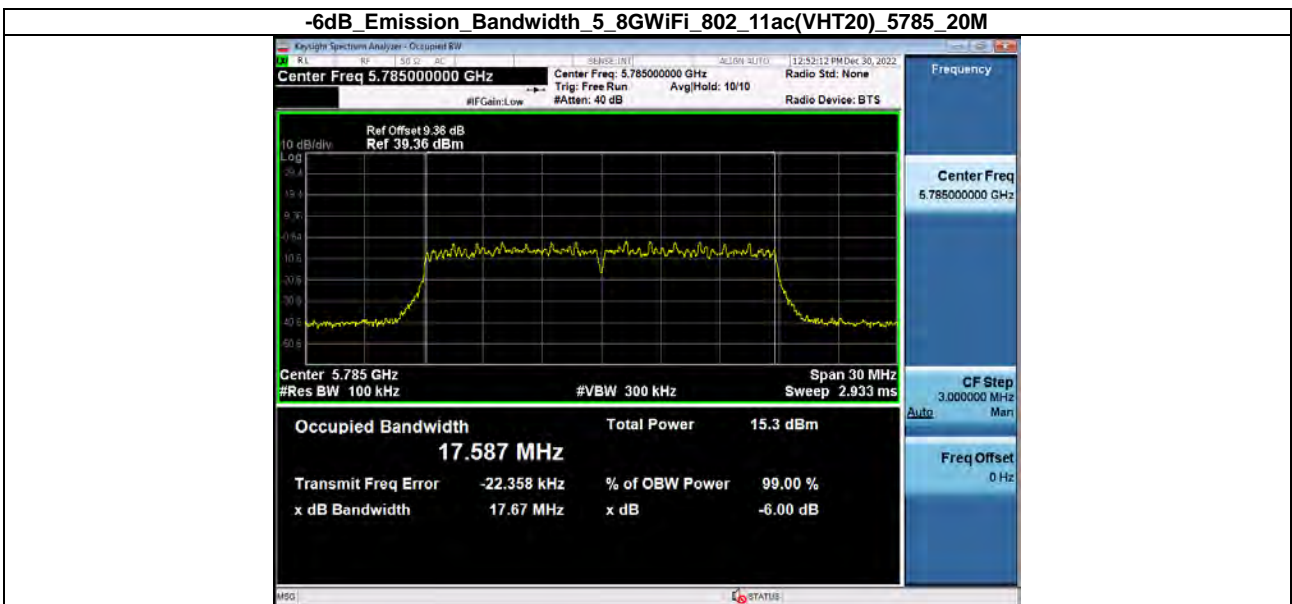
-6dB Emission Bandwidth 5_8WiFi_802_11n(HT20)_5825_20M



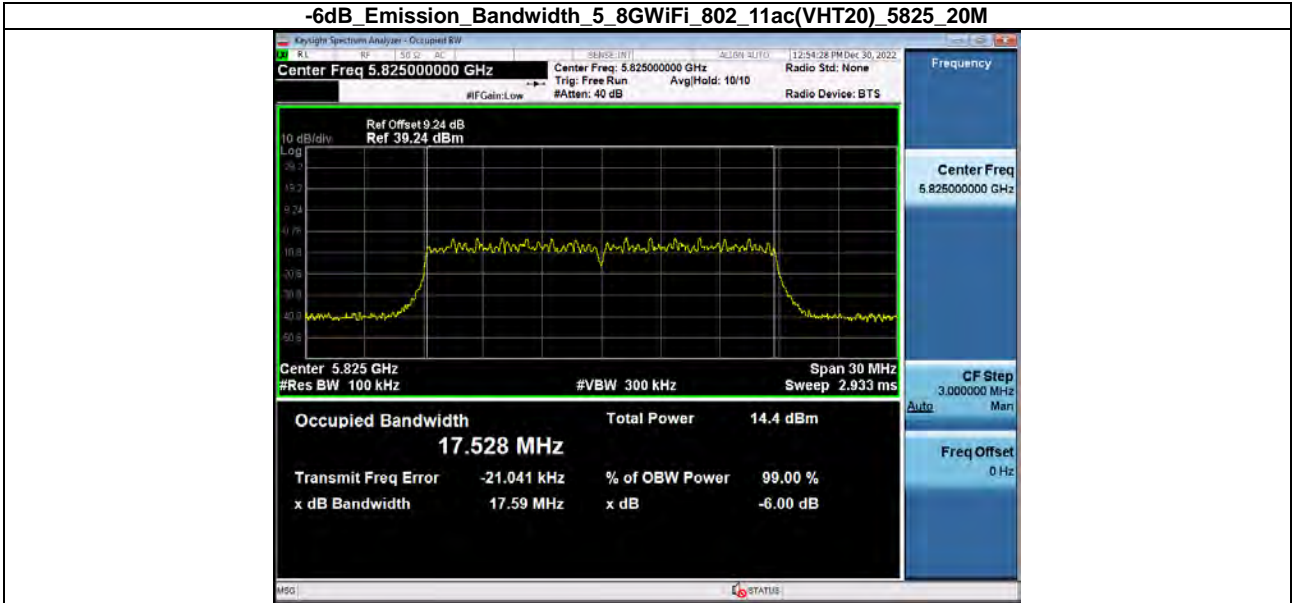
-6dB Emission Bandwidth 5_8WiFi_802_11ac(VHT20)_5745_20M



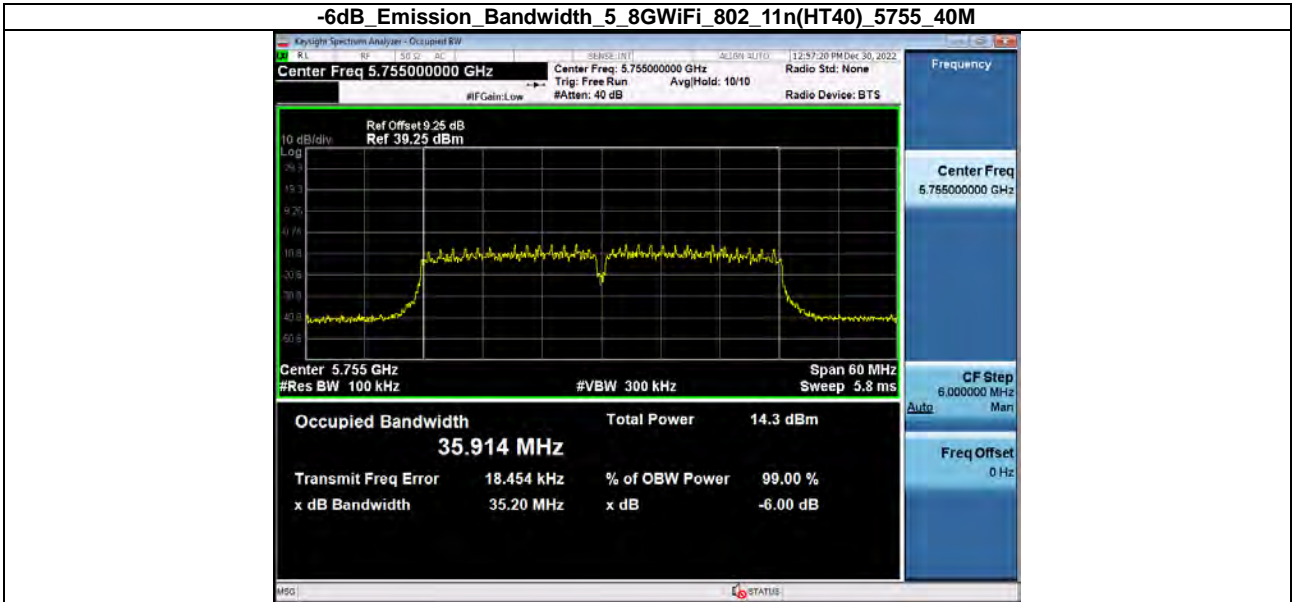
-6dB Emission Bandwidth 5_8WiFi_802_11ac(VHT20)_5785_20M



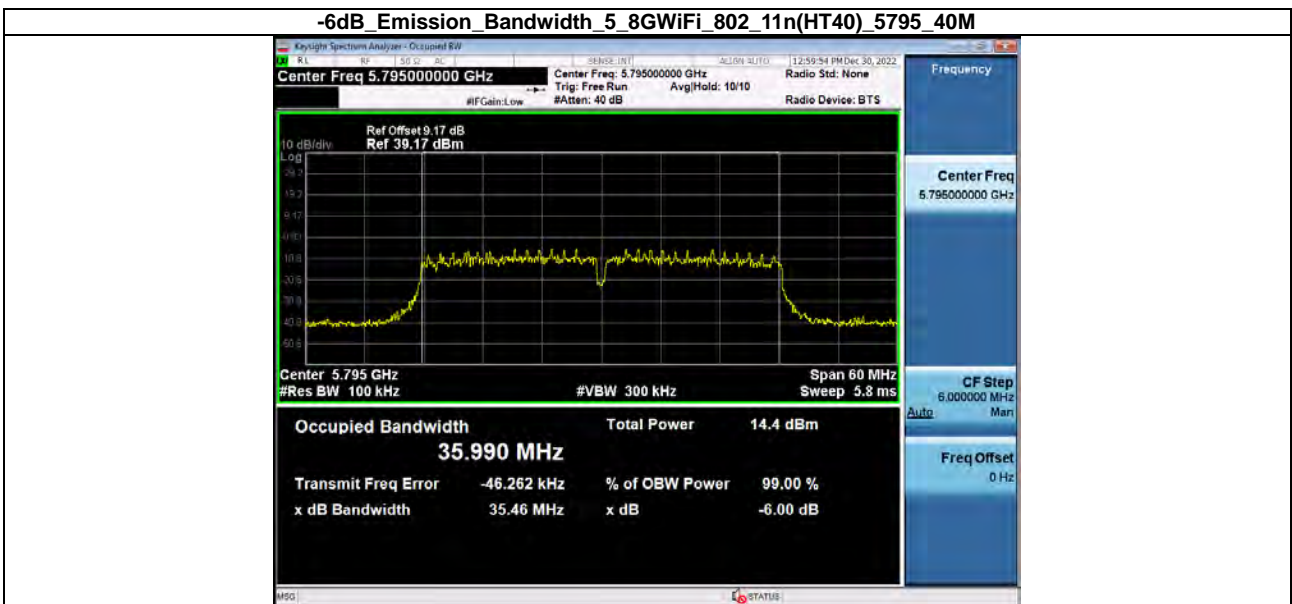
-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT20)_5825_20M



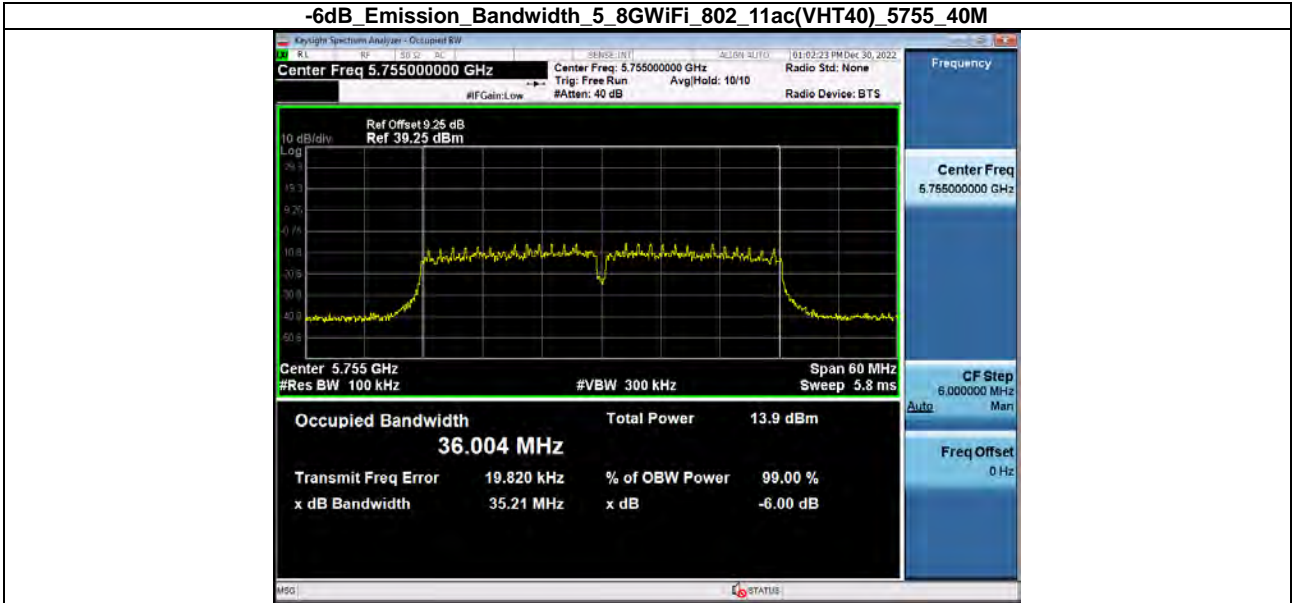
-6dB Emission Bandwidth 5_8WiFi 802_11n(HT40)_5755_40M



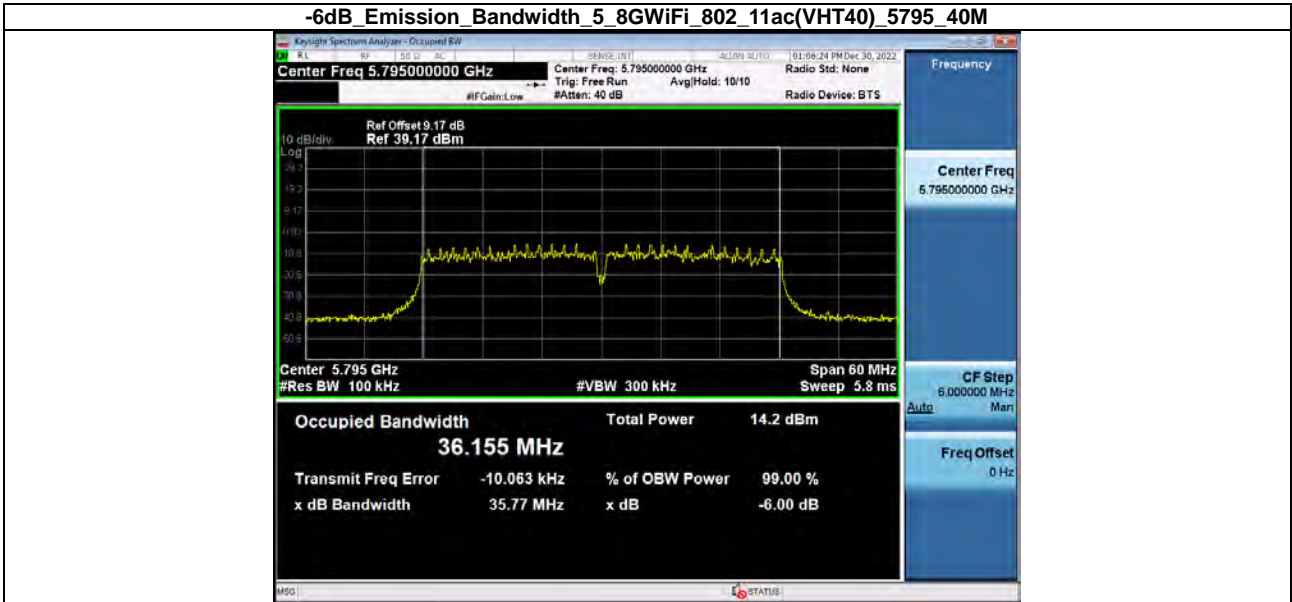
-6dB Emission Bandwidth 5_8WiFi 802_11n(HT40)_5795_40M



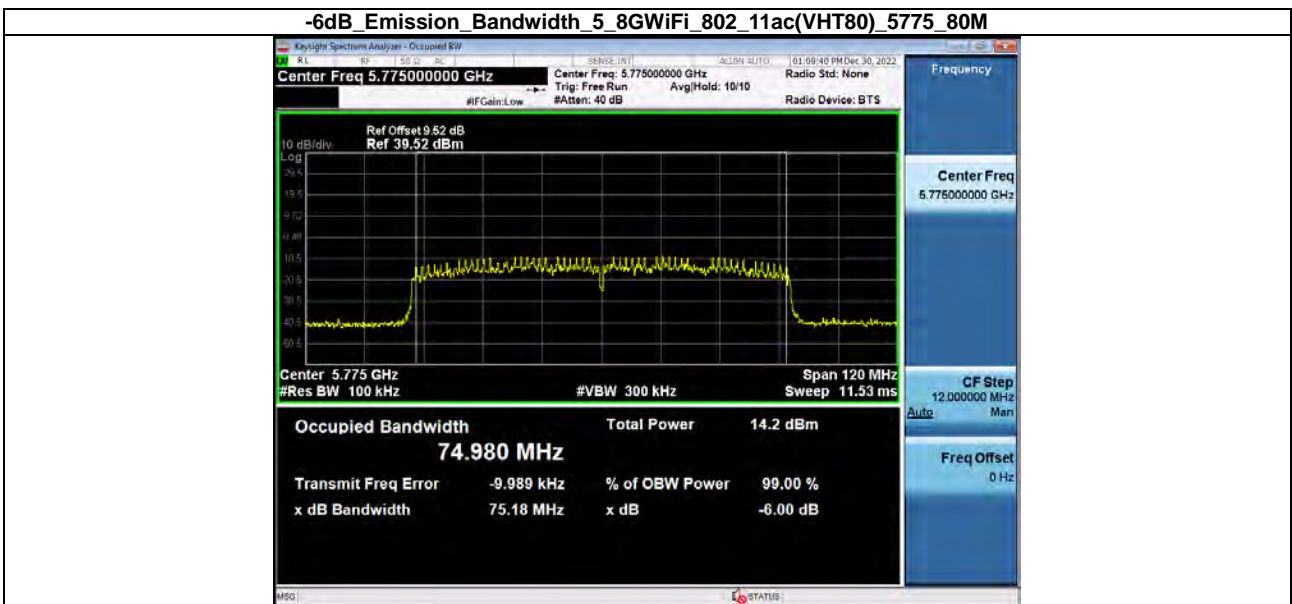
-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT40)_5755_40M



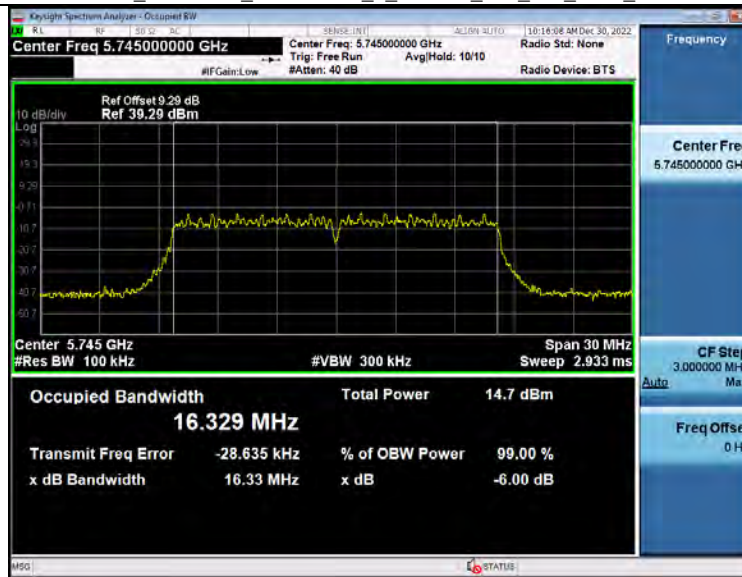
-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT40)_5795_40M



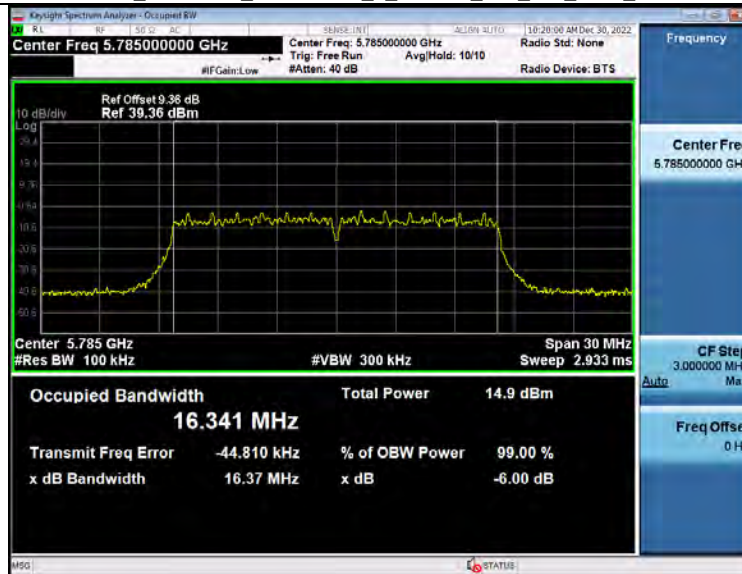
-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT80)_5775_80M



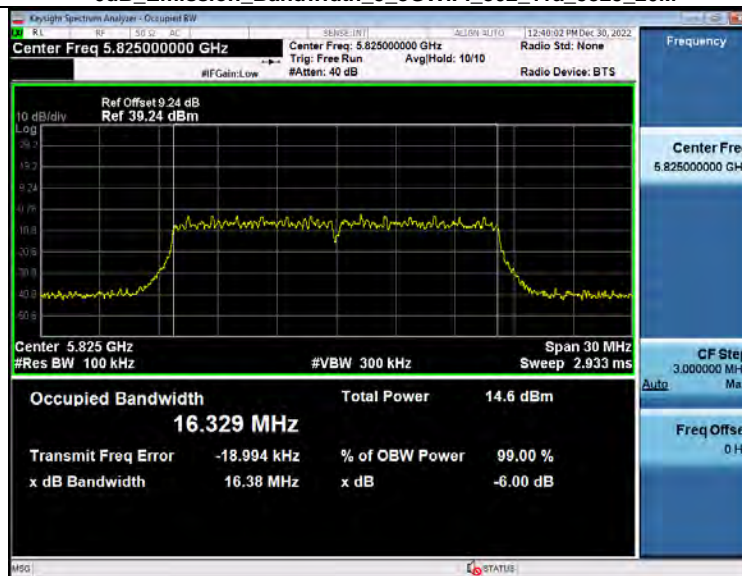
-6dB Emission Bandwidth 5_8WiFi 802_11a_5745_20M



-6dB Emission Bandwidth 5_8WiFi 802_11a_5785_20M



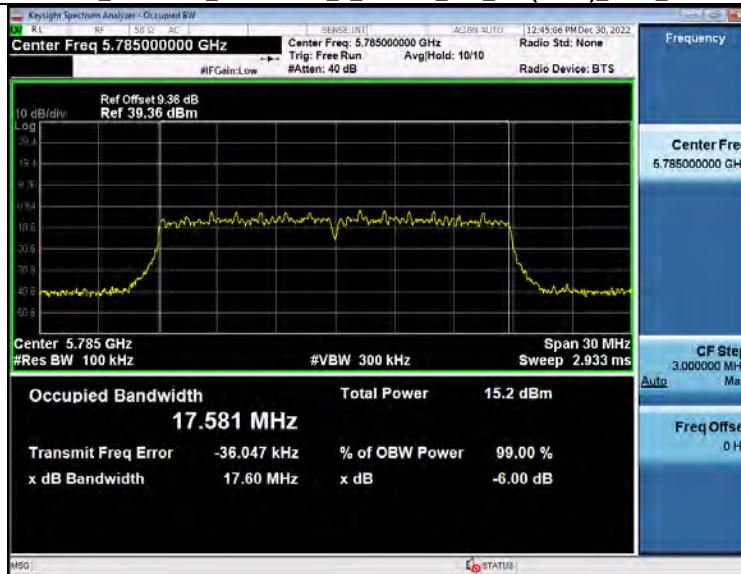
-6dB Emission Bandwidth 5_8WiFi 802_11a_5825_20M



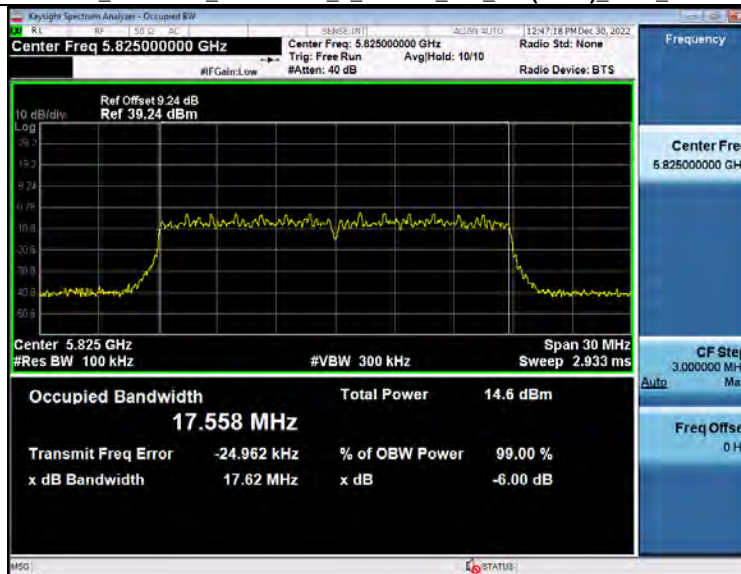
-6dB Emission Bandwidth 5_8WiFi_802_11n(HT20)_5745_20M



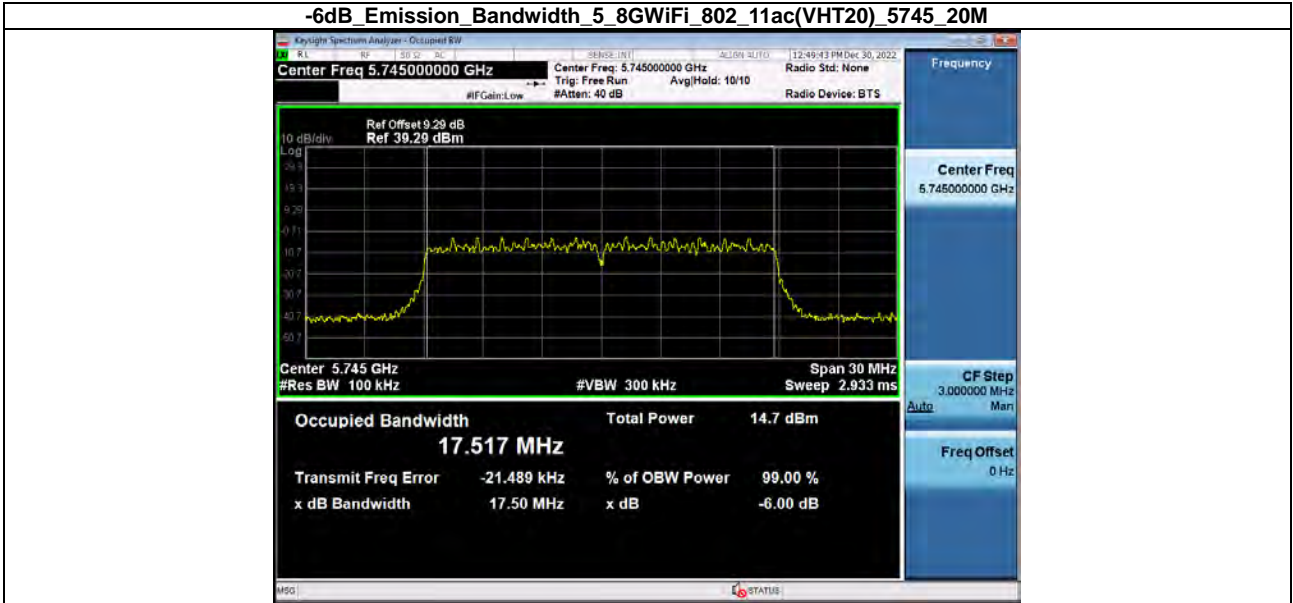
-6dB Emission Bandwidth 5_8WiFi_802_11n(HT20)_5785_20M



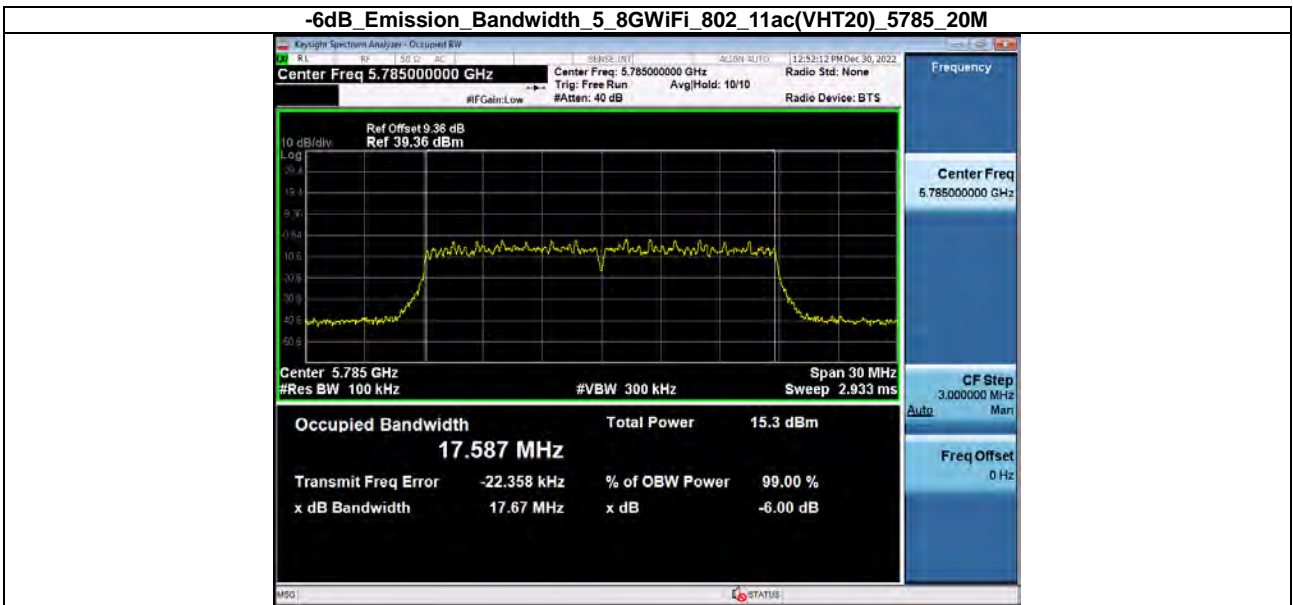
-6dB Emission Bandwidth 5_8WiFi_802_11n(HT20)_5825_20M



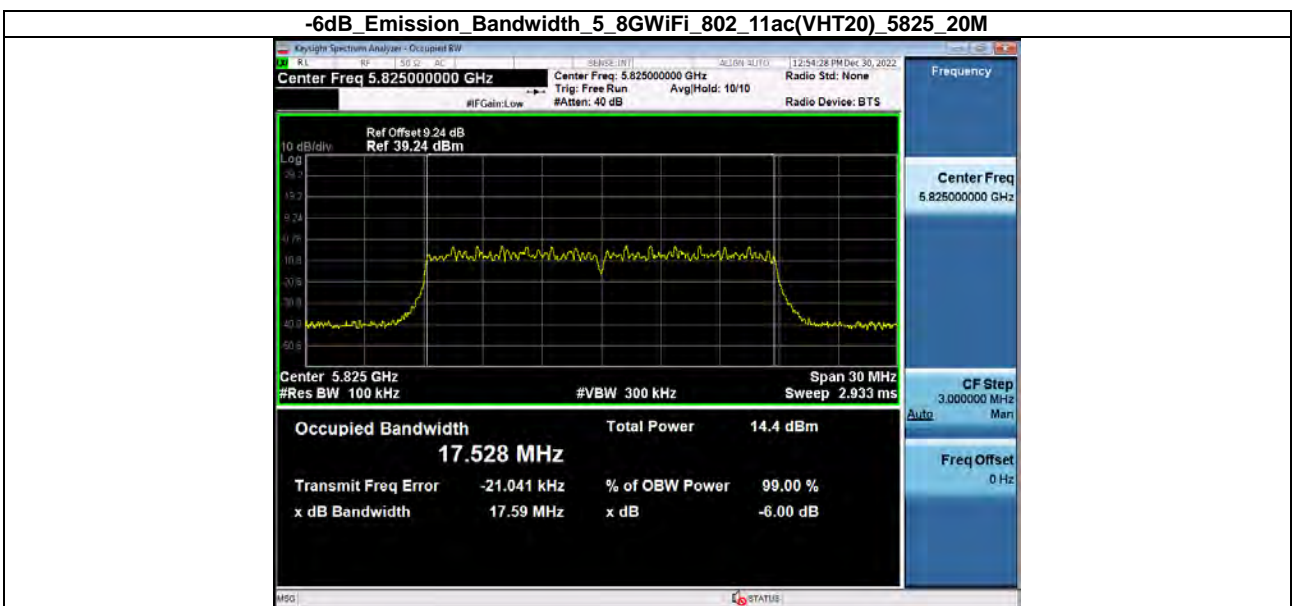
-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT20)_5745_20M



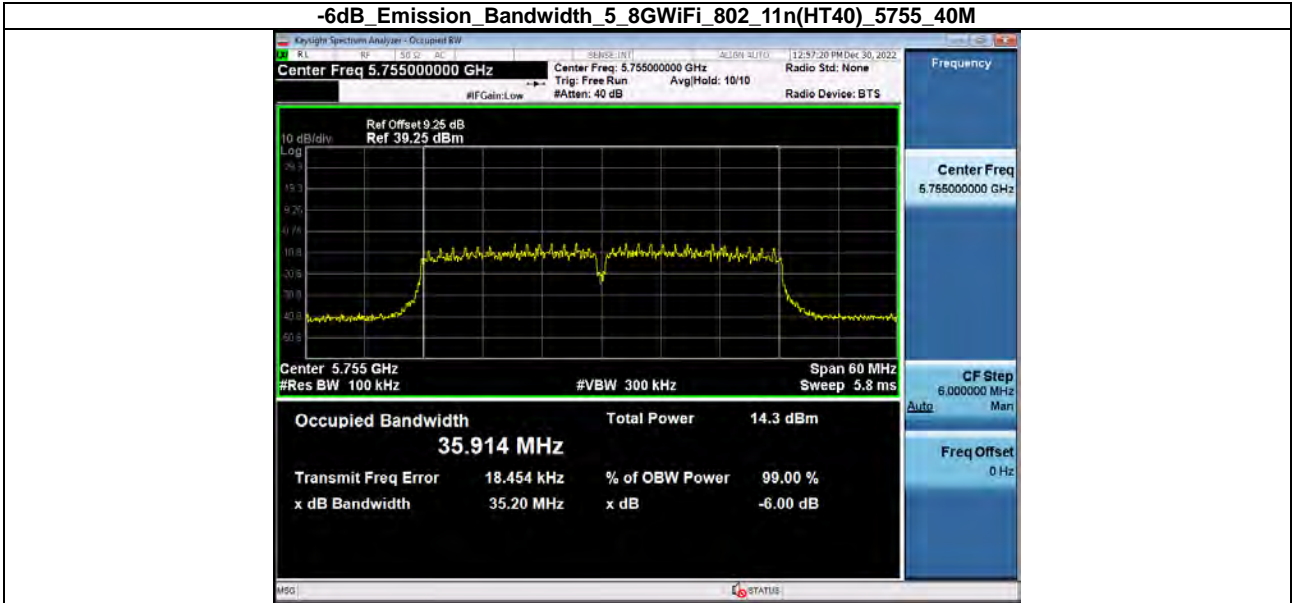
-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT20)_5785_20M



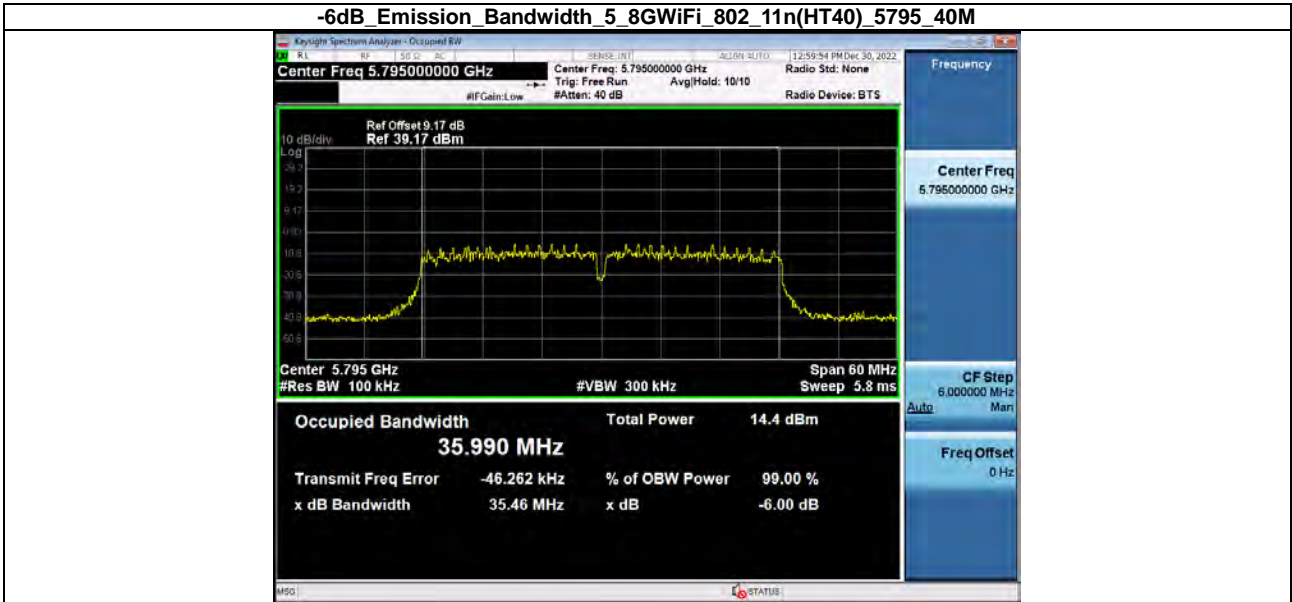
-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT20)_5825_20M



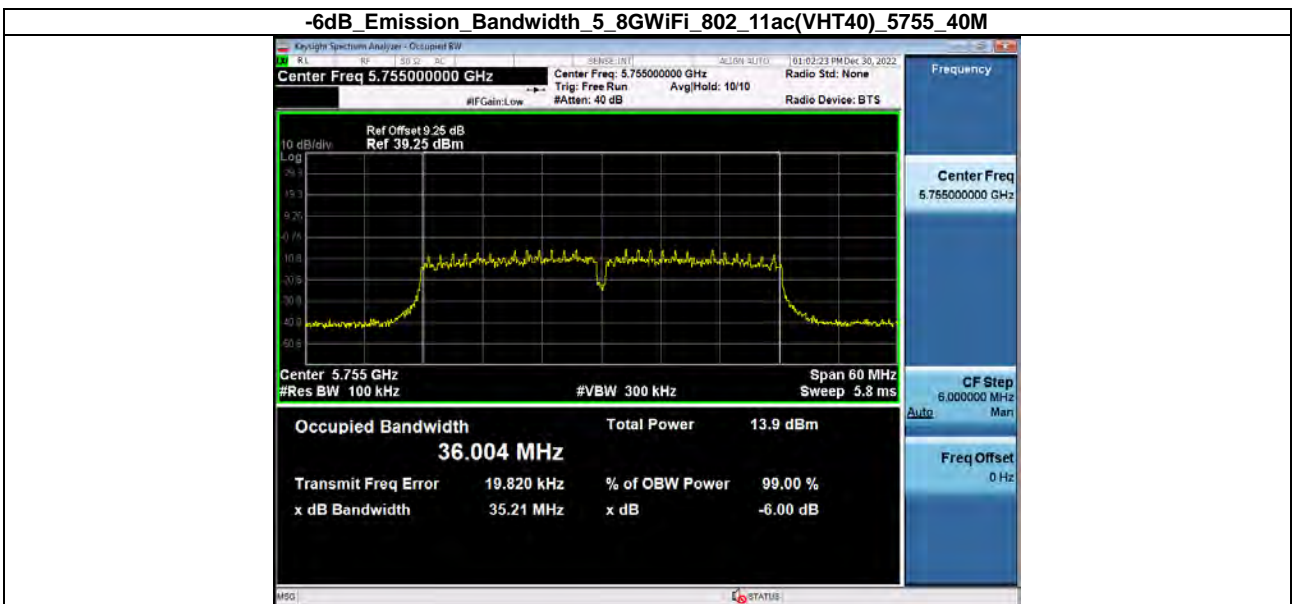
-6dB Emission Bandwidth 5_8WiFi 802_11n(HT40)_5755_40M



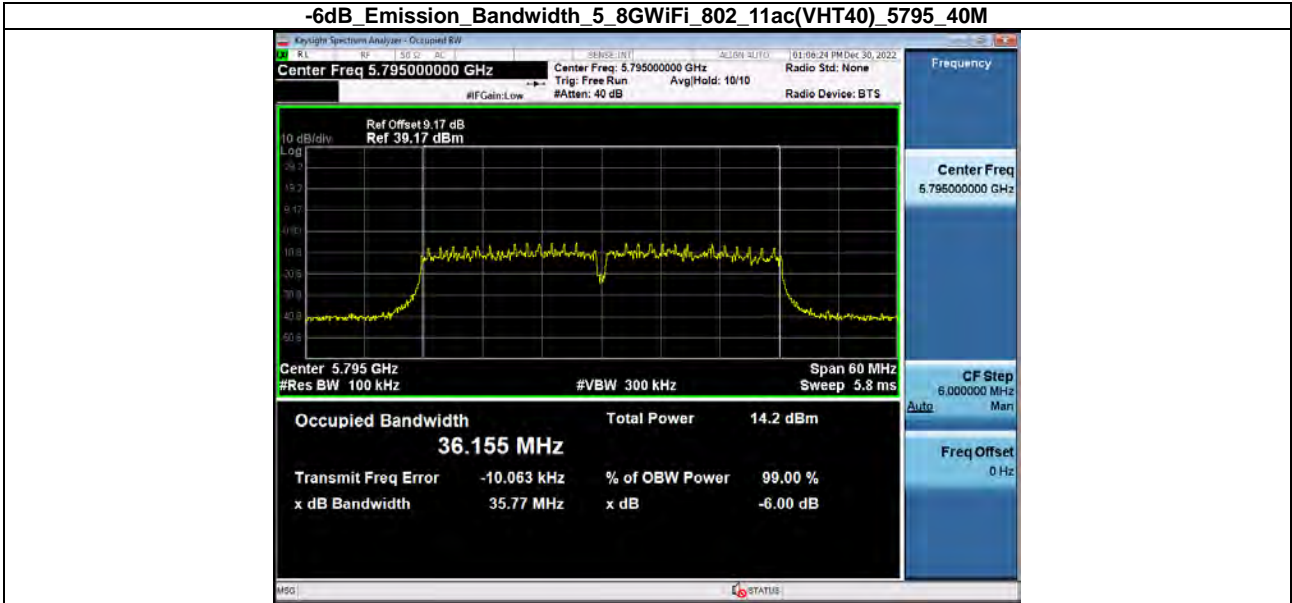
-6dB Emission Bandwidth 5_8WiFi 802_11n(HT40)_5795_40M



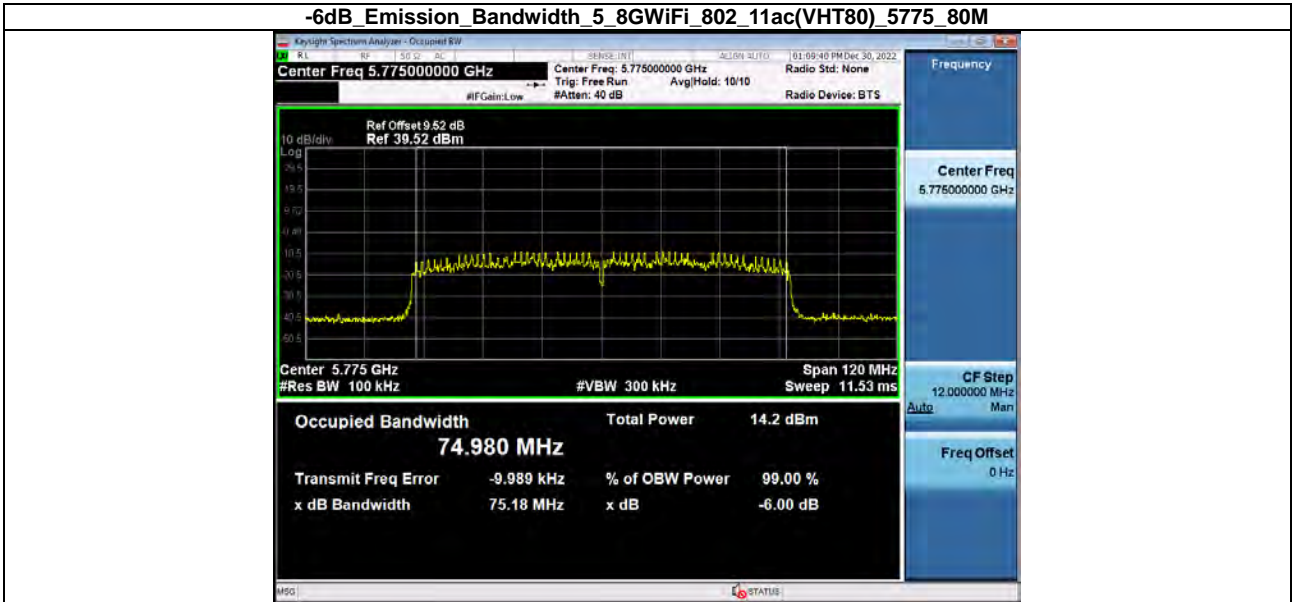
-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT40)_5755_40M



-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT40)_5795_40M



-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT80)_5775_80M



3. Maximum Conducted Output Power

Condition	Modulation	Frequency (MHz)	Conducted Power(dBm)		limit(dBm)	MIMO Conducted Power(dBm)	MIMO Limit (dBm)	Result
			ANT1	ANT2				
NVNT	802.11a	5745.00	12.88	12.98	30.00	/	/	Pass
NVNT	802.11a	5785.00	13.39	13.13	30.00	/	/	Pass
NVNT	802.11a	5825.00	12.79	13.12	30.00	/	/	Pass
NVNT	802.11n(HT20)	5745.00	12.79	13.09	30.00	15.95	28.97	Pass
NVNT	802.11n(HT20)	5785.00	13.42	13.32	30.00	16.38	28.97	Pass
NVNT	802.11n(HT20)	5825.00	12.95	12.57	30.00	15.77	28.97	Pass
NVNT	802.11ac(VHT20)	5745.00	12.88	12.84	30.00	15.87	28.97	Pass
NVNT	802.11ac(VHT20)	5785.00	13.51	13.51	30.00	16.52	28.97	Pass
NVNT	802.11ac(VHT20)	5825.00	12.89	12.99	30.00	15.95	28.97	Pass
NVNT	802.11n(HT40)	5755.00	12.04	12.22	30.00	15.14	28.97	Pass
NVNT	802.11n(HT40)	5795.00	12.02	12.50	30.00	15.28	28.97	Pass
NVNT	802.11ac(VHT40)	5755.00	11.84	12.18	30.00	15.02	28.97	Pass
NVNT	802.11ac(VHT40)	5795.00	12.23	12.51	30.00	15.38	28.97	Pass
NVNT	802.11ac(VHT80)	5775.00	11.94	11.71	30.00	14.84	28.97	Pass

Note: MMO limit=limit-(MIMO gain-6)=30-(7.03-6)=28.97dBm/MHz

4. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD_SA (dBm/510KHz)	PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
NVNT	ANT1	802.11a	5745.00	0.990	0.904	30	Pass
NVNT	ANT1	802.11a	5785.00	0.966	0.880	30	Pass
NVNT	ANT1	802.11a	5825.00	0.512	0.426	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	0.716	0.630	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	1.770	1.684	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	0.849	0.763	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	0.157	0.071	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	0.801	0.715	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	2.020	1.934	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	-3.660	-3.746	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	-2.957	-3.043	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	-3.622	-3.708	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	-2.619	-2.705	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	-6.399	-6.485	30	Pass

Condition	Antenna	Modulation	Frequency (MHz)	PSD_SA (dBm/510KHz)	PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
NVNT	ANT2	802.11a	5745.00	0.291	0.205	30	Pass
NVNT	ANT2	802.11a	5785.00	1.114	1.028	30	Pass
NVNT	ANT2	802.11a	5825.00	0.470	0.384	30	Pass
NVNT	ANT2	802.11n(HT20)	5745.00	1.311	1.225	30	Pass
NVNT	ANT2	802.11n(HT20)	5785.00	0.723	0.637	30	Pass
NVNT	ANT2	802.11n(HT20)	5825.00	-0.077	-0.163	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5745.00	0.006	-0.080	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5785.00	0.974	0.888	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5825.00	1.005	0.919	30	Pass
NVNT	ANT2	802.11n(HT40)	5755.00	-1.938	-2.024	30	Pass
NVNT	ANT2	802.11n(HT40)	5795.00	-3.022	-3.108	30	Pass
NVNT	ANT2	802.11ac(VHT40)	5755.00	-2.941	-3.027	30	Pass
NVNT	ANT2	802.11ac(VHT40)	5795.00	-2.812	-2.898	30	Pass
NVNT	ANT2	802.11ac(VHT80)	5775.00	-5.857	-5.943	30	Pass

Condition	Antenna	Modulation	Frequency (MHz)	PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
NVNT	MIMO	802.11n(HT20)	5745.00	3.95	28.97	Pass
NVNT	MIMO	802.11n(HT20)	5785.00	4.20	28.97	Pass
NVNT	MIMO	802.11n(HT20)	5825.00	3.33	28.97	Pass
NVNT	MIMO	802.11ac(VHT20)	5745.00	3.01	28.97	Pass
NVNT	MIMO	802.11ac(VHT20)	5785.00	3.81	28.97	Pass
NVNT	MIMO	802.11ac(VHT20)	5825.00	4.47	28.97	Pass
NVNT	MIMO	802.11n(HT40)	5755.00	0.21	28.97	Pass
NVNT	MIMO	802.11n(HT40)	5795.00	-0.07	28.97	Pass
NVNT	MIMO	802.11ac(VHT40)	5755.00	-0.34	28.97	Pass
NVNT	MIMO	802.11ac(VHT40)	5795.00	0.21	28.97	Pass
NVNT	MIMO	802.11ac(VHT80)	5775.00	-3.20	28.97	Pass

Note: MMO limit=limit-(MIMO gain-6)=30-(7.03-6)=28.97dBm/500KHz

ANT1

Power Spectral Density_5_8WiFi_802_11a_5745_20M



Power_Spectral_Density_5_8WiFi_802_11a_5785_20M



Power_Spectral_Density_5_8WiFi_802_11a_5825_20M



Power_Spectral_Density_5_8WiFi_802_11n(HT20)_5745_20M



Power_Spectral_Density_5_8WiFi_802_11n(HT20)_5785_20M



Power_Spectral_Density_5_8WiFi_802_11n(HT20)_5825_20M



Power_Spectral_Density_5_8WiFi_802_11ac(VHT20)_5745_20M



Power_Spectral_Density_5_8WiFi_802_11ac(VHT20)_5785_20M



Power_Spectral_Density_5_8WiFi_802_11ac(VHT20)_5825_20M



Power_Spectral_Density_5_8WiFi_802_11n(HT40)_5755_40M



Power_Spectral_Density_5_8WiFi_802_11n(HT40)_5795_40M



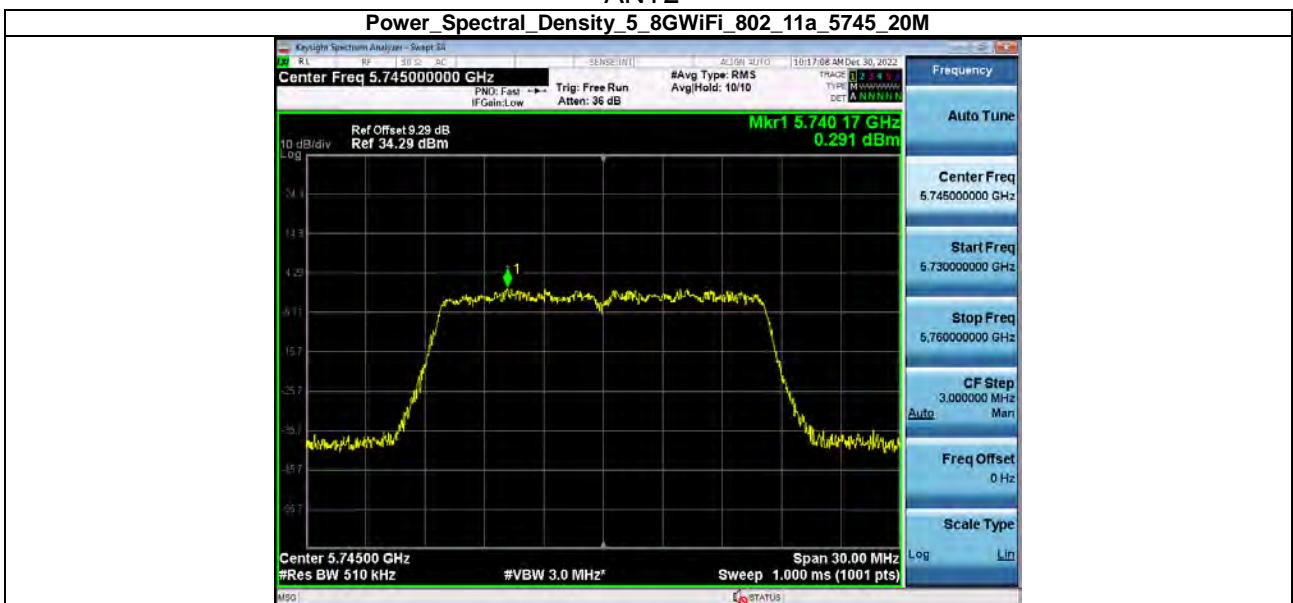
Power_Spectral_Density_5_8WiFi_802_11ac(VHT40)_5755_40M



Power_Spectral_Density_5_8WiFi_802_11ac(VHT40)_5795_40M



ANT2



Power Spectral Density 5_8WiFi_802_11a_5785_20M



Power Spectral Density 5_8WiFi_802_11a_5825_20M



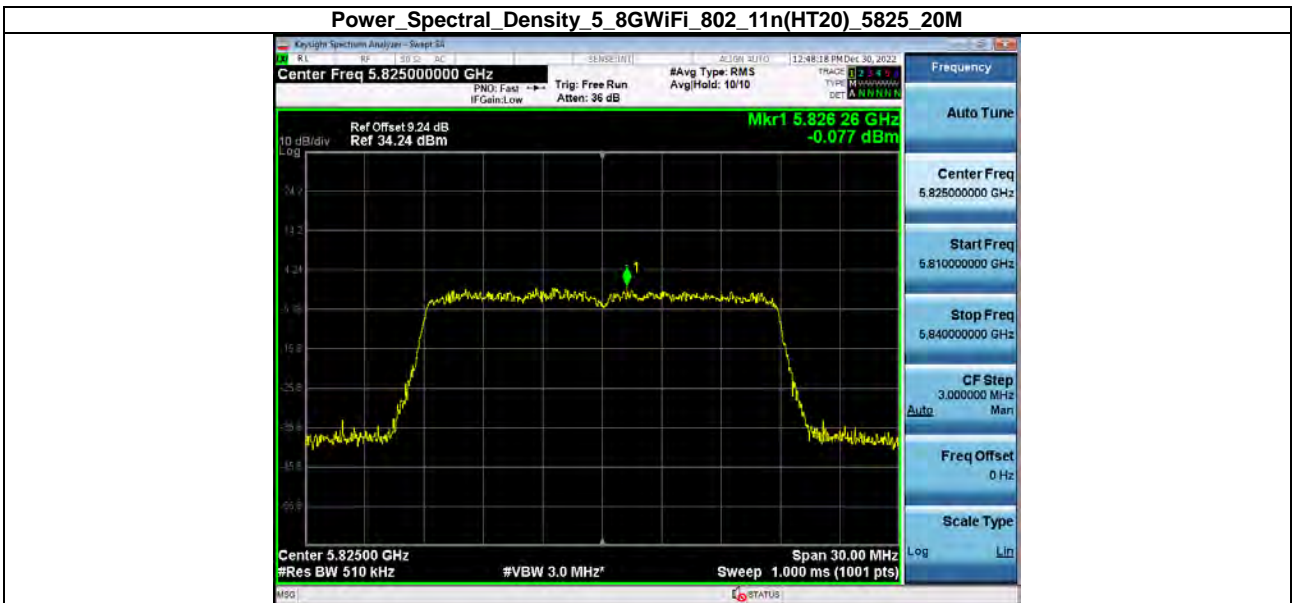
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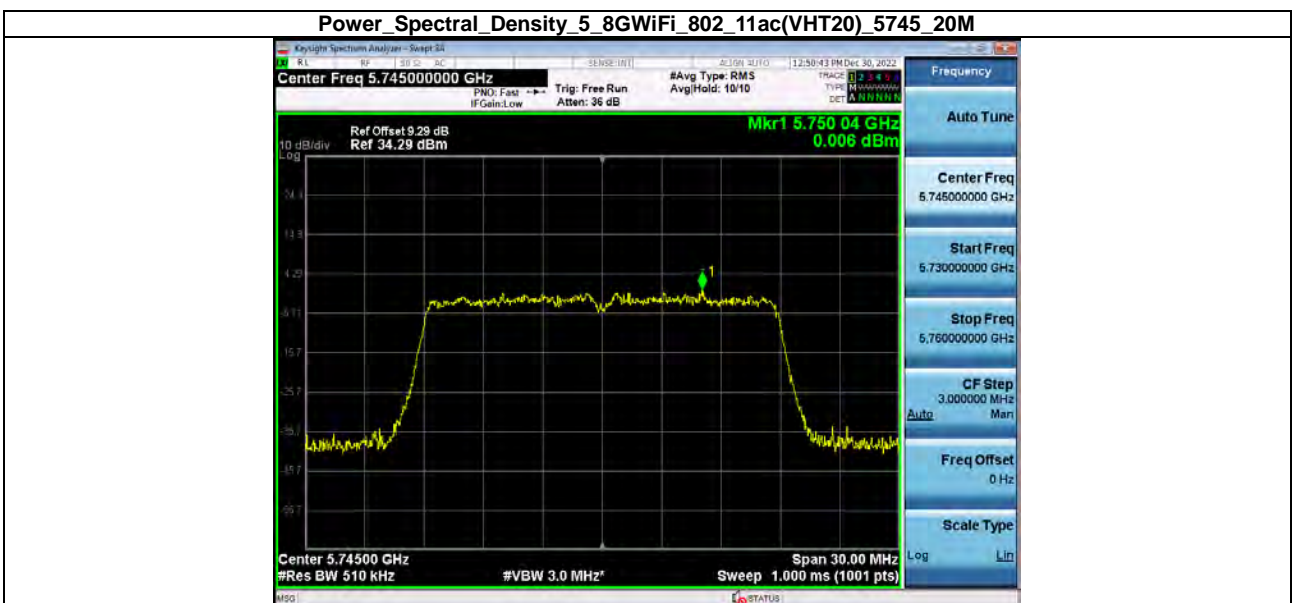
Power Spectral Density 5_8WiFi 802_11n(HT20) 5785_20M



Power Spectral Density 5_8WiFi 802_11n(HT20) 5825_20M



Power Spectral Density 5_8WiFi 802_11ac(VHT20) 5745_20M



Power Spectral Density 5_8WiFi 802_11ac(VHT20)_5785_20M



Power Spectral Density 5_8WiFi 802_11ac(VHT20)_5825_20M



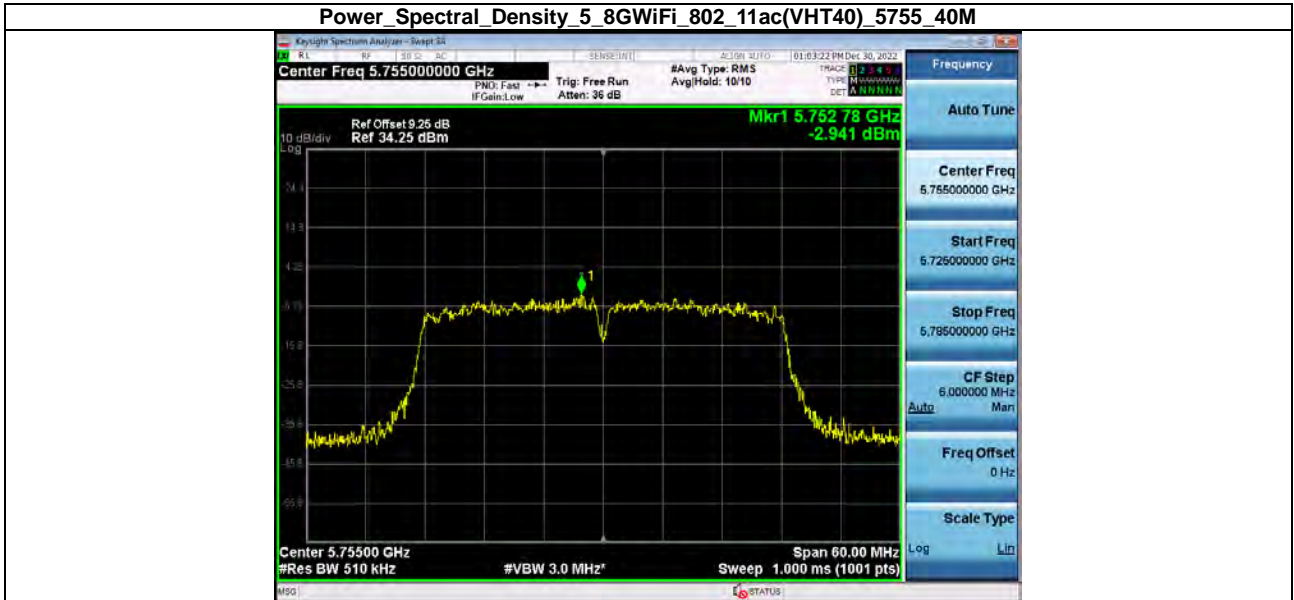
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Power Spectral Density 5_8WiFi 802_11n(HT40) 5795_40M



Power Spectral Density 5_8WiFi 802_11ac(VHT40) 5755_40M



Power Spectral Density 5_8WiFi 802_11ac(VHT40) 5795_40M



Power_Spectral_Density_5_8WiFi_802_11ac(VHT80)_5775_80M



Power_Spectral_Density_5_8WiFi_802_11a_5745_20M



Power_Spectral_Density_5_8WiFi_802_11a_5785_20M



Power Spectral Density 5_8WiFi 802_11a_5825_20M



Power Spectral Density 5_8WiFi 802_11n(HT20)_5745_20M



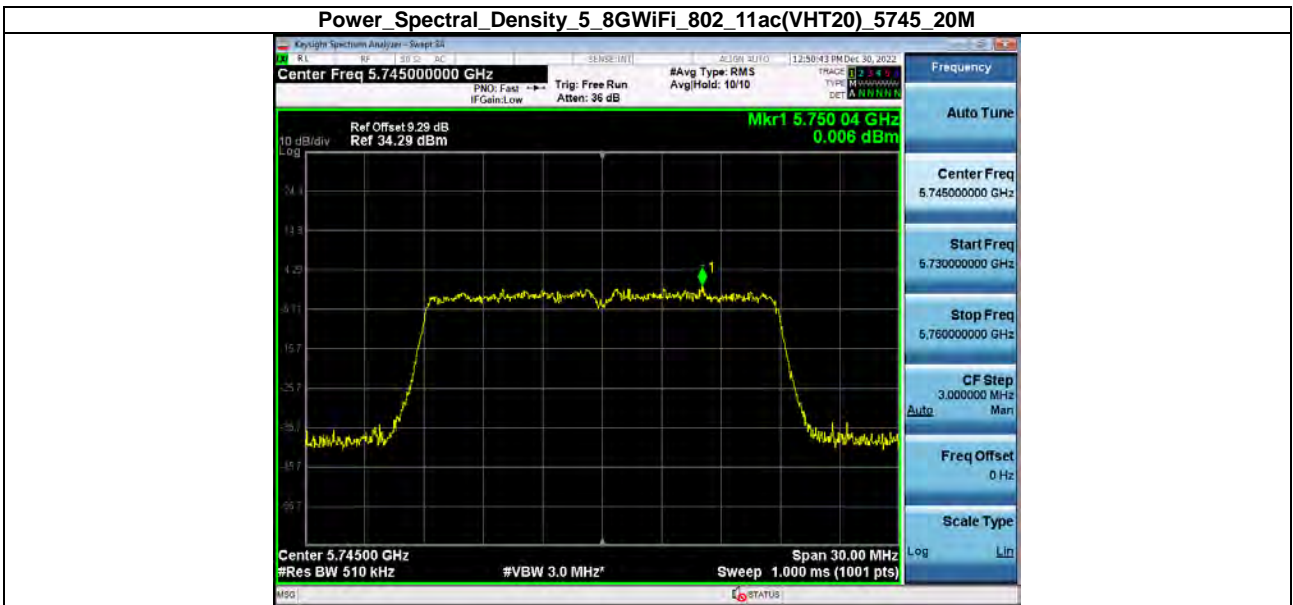
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Power_Spectral_Density_5_8WiFi_802_11ac(VHT20)_5745_20M



Power_Spectral_Density_5_8WiFi_802_11ac(VHT20)_5785_20M



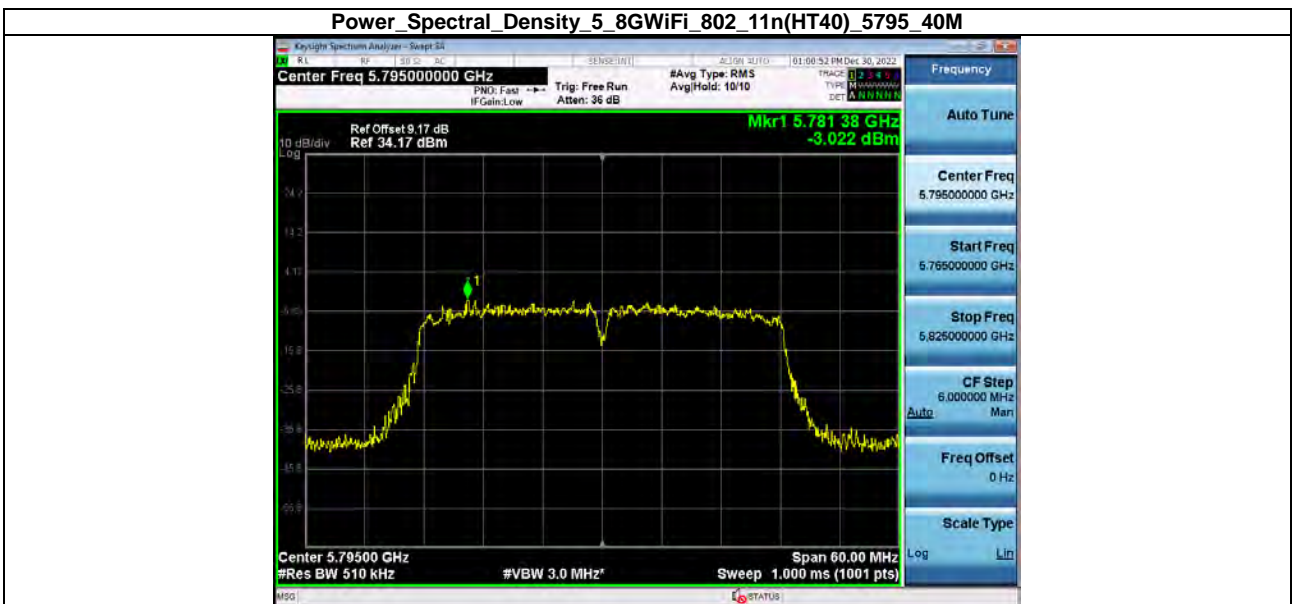
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Power Spectral Density 5_8WiFi 802_11n(HT40)_5755_40M



Power Spectral Density 5_8WiFi 802_11n(HT40)_5795_40M



Power_Spectral_Density_5_8WiFi_802_11ac(VHT40)_5755_40M



Power_Spectral_Density_5_8WiFi_802_11ac(VHT40)_5795_40M



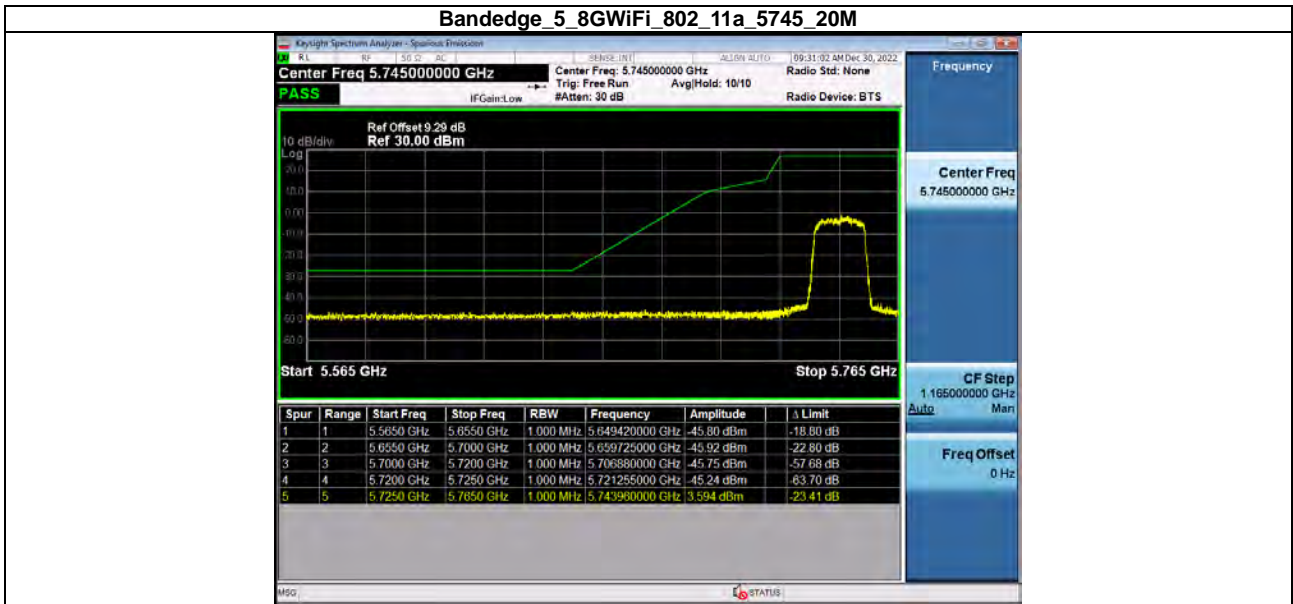
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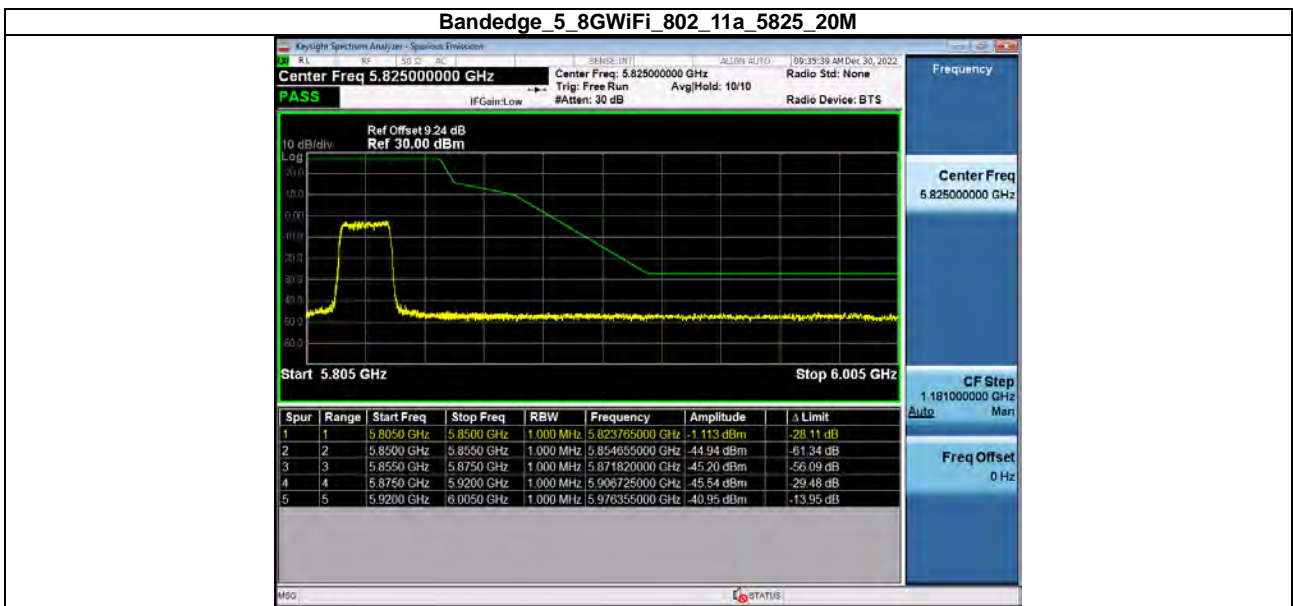
5. Bandedge

ANT1

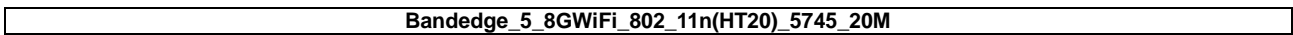
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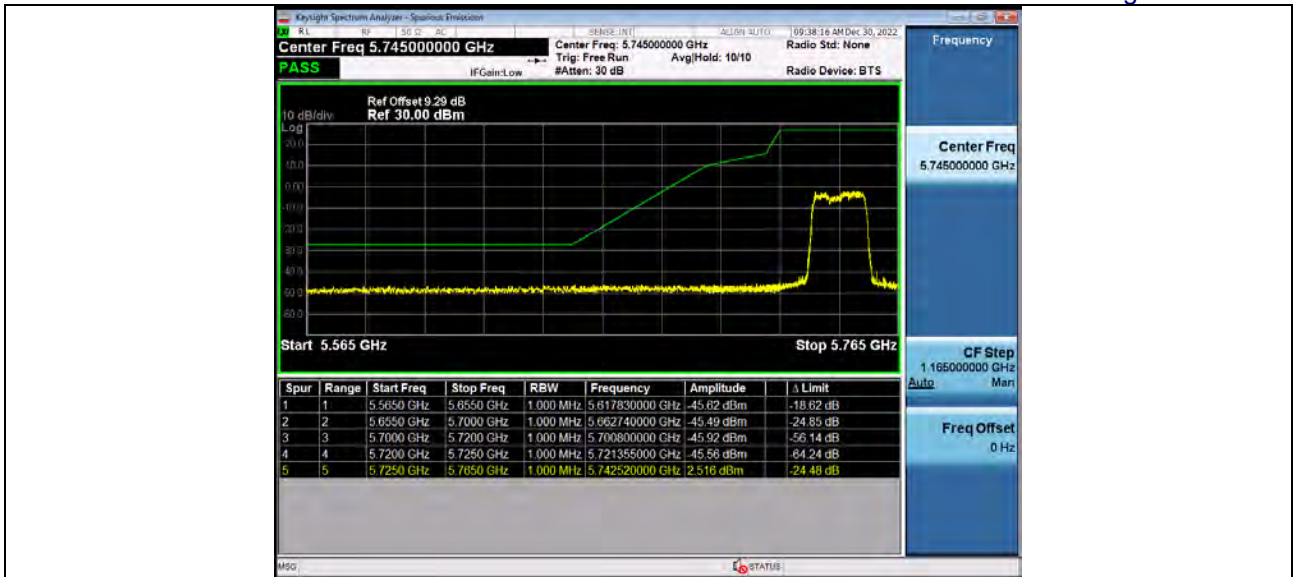


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Bandedge_5_8WiFi_802_11n(HT20)_5745_20M

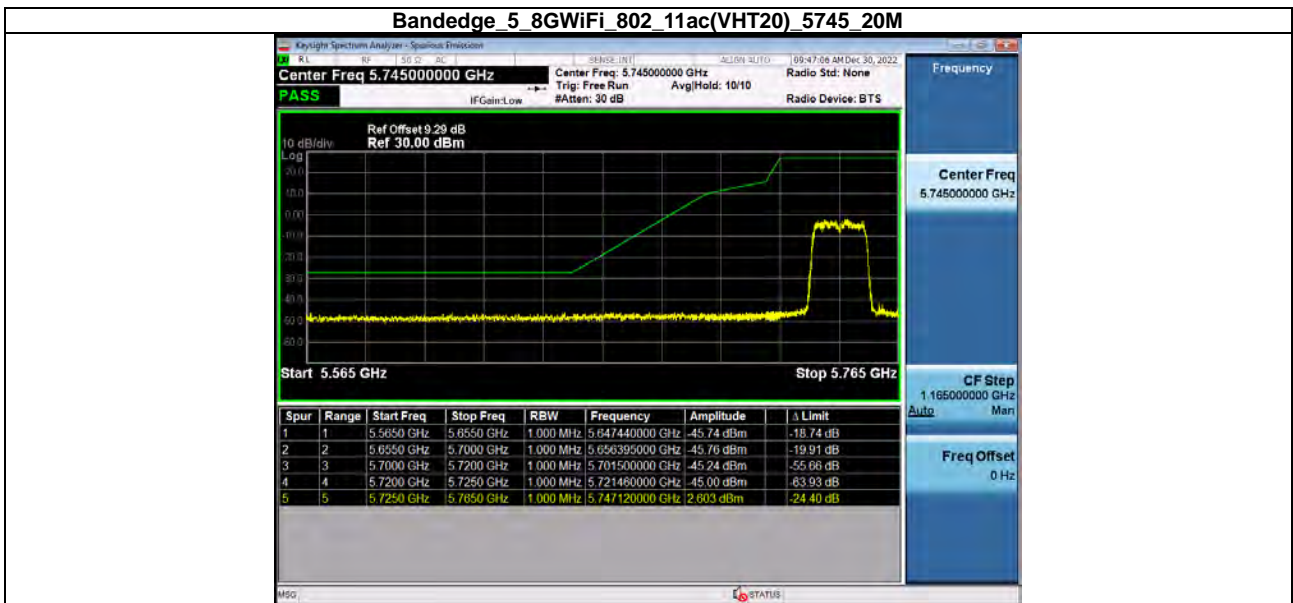




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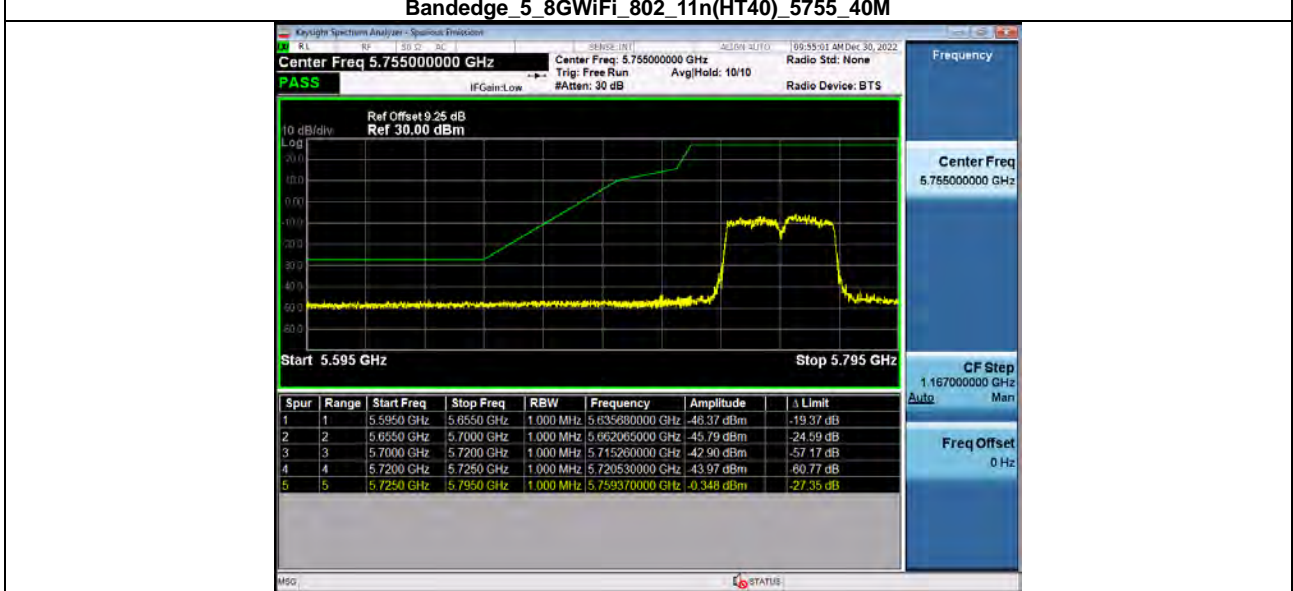
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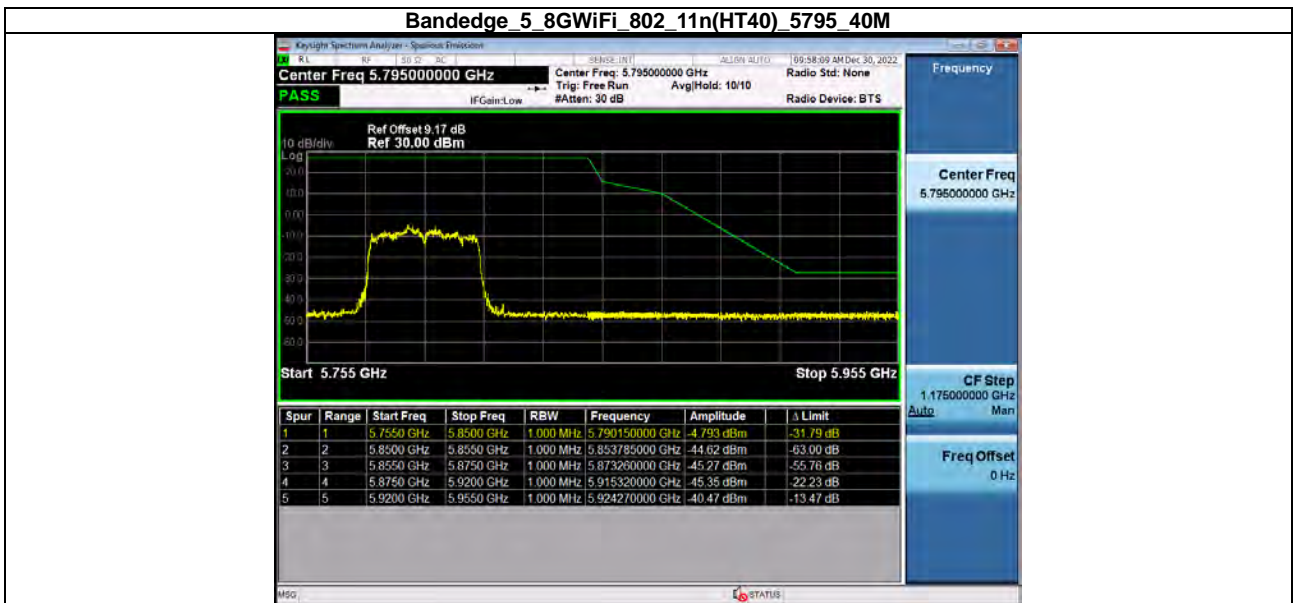
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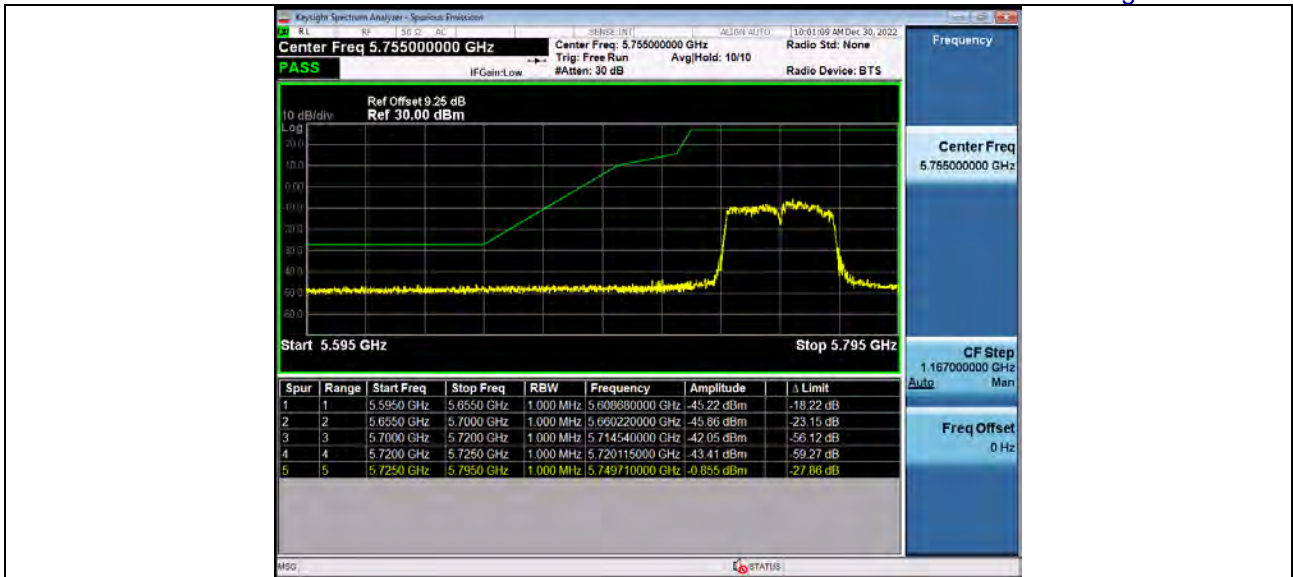
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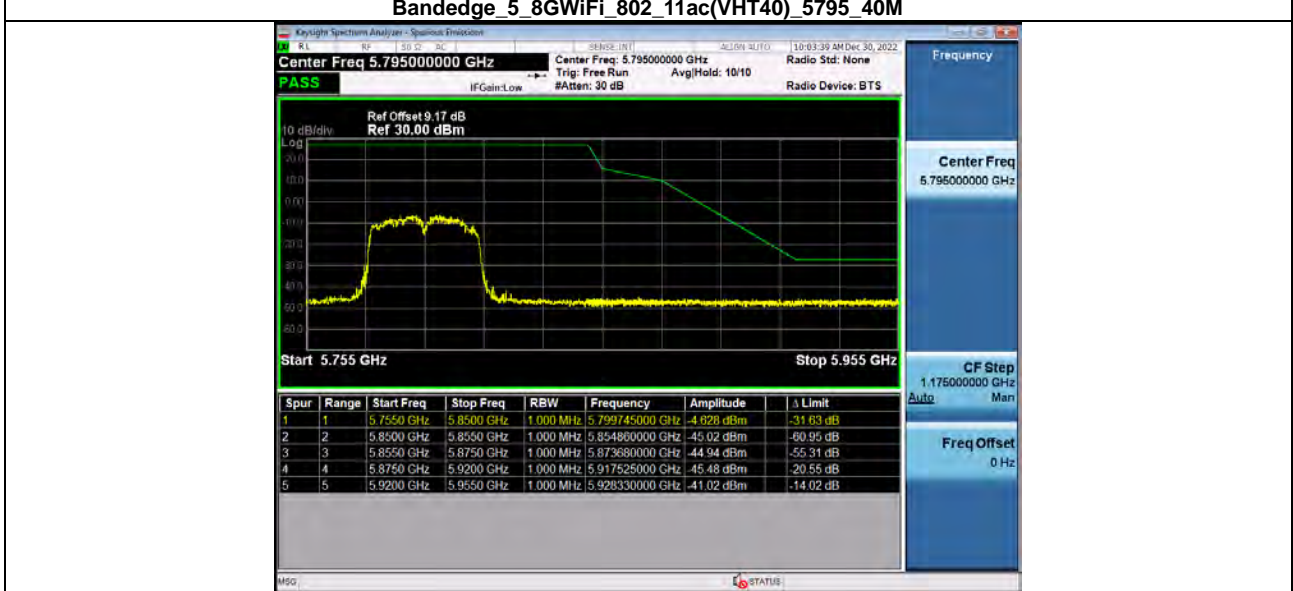
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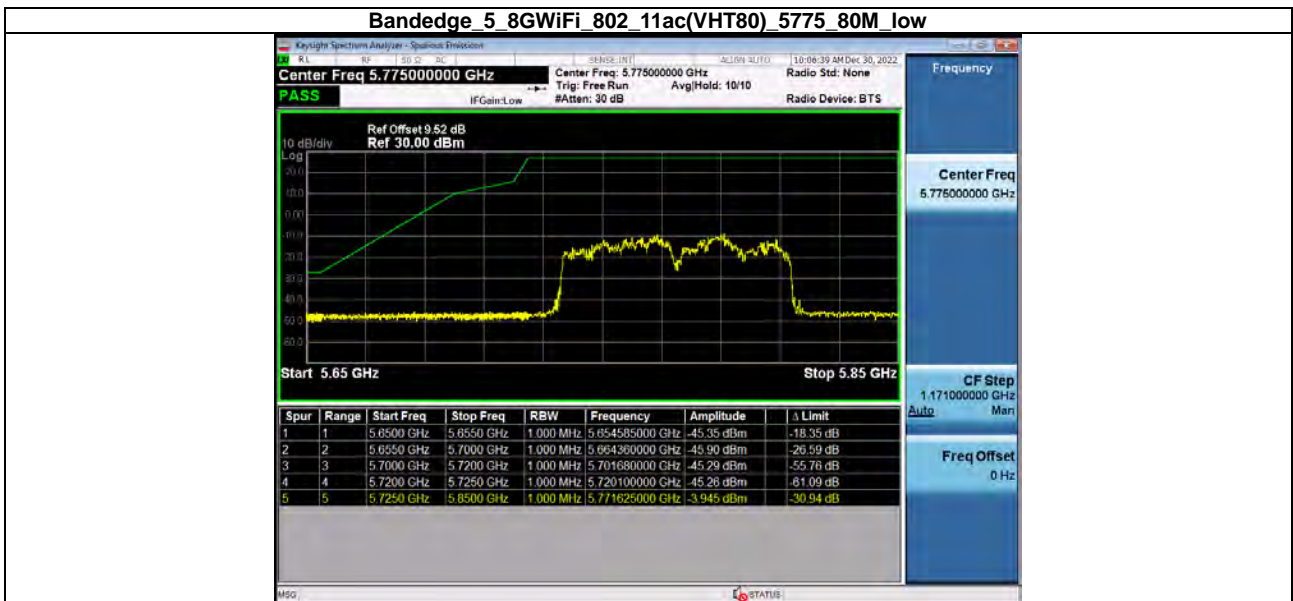
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Bandedge_5_8WiFi_802_11ac(VHT40)_5795_40M



Bandedge_5_8WiFi_802_11ac(VHT80)_5775_80M_low

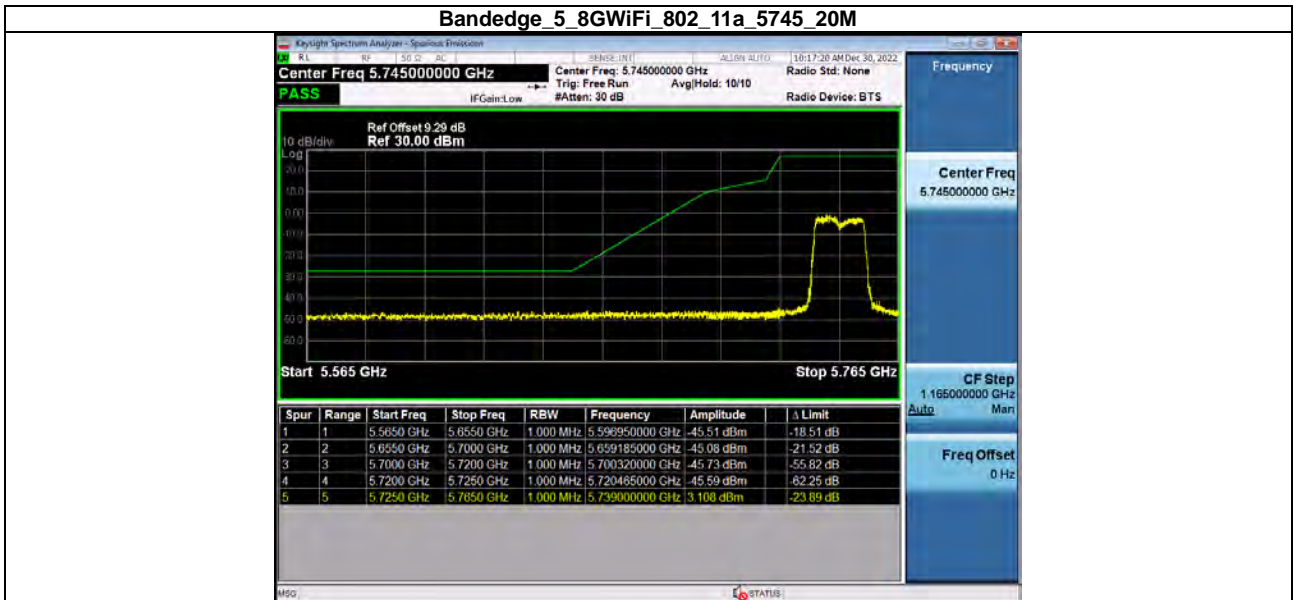


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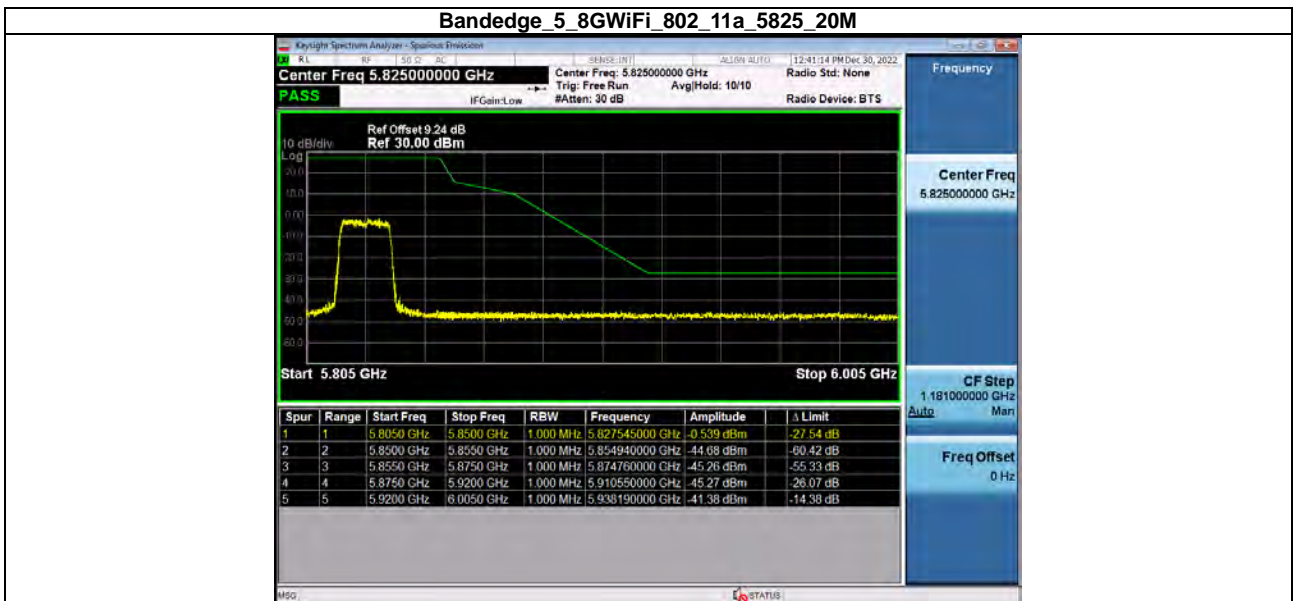


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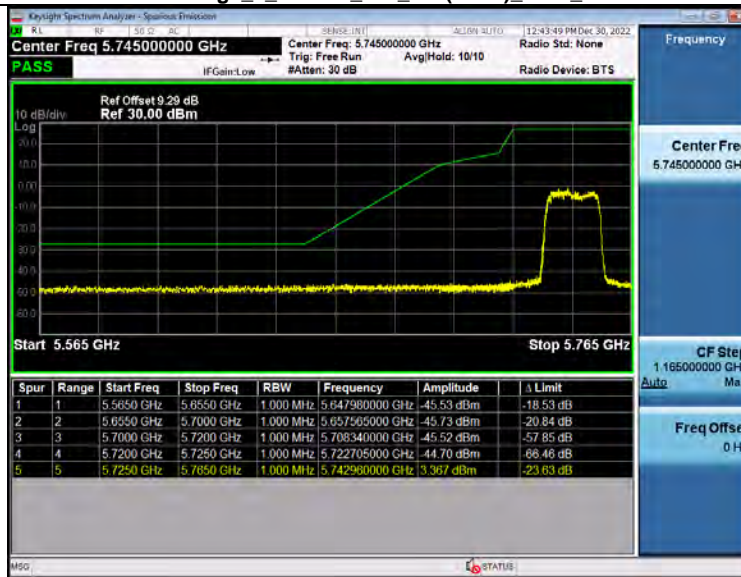
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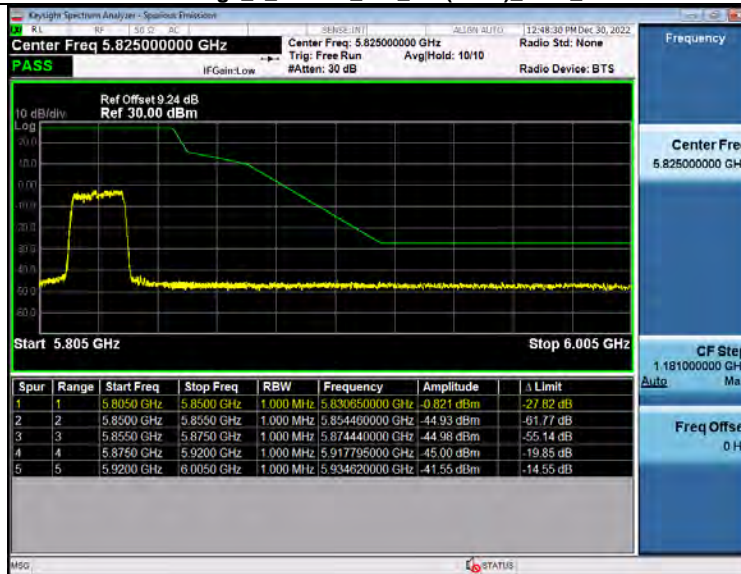
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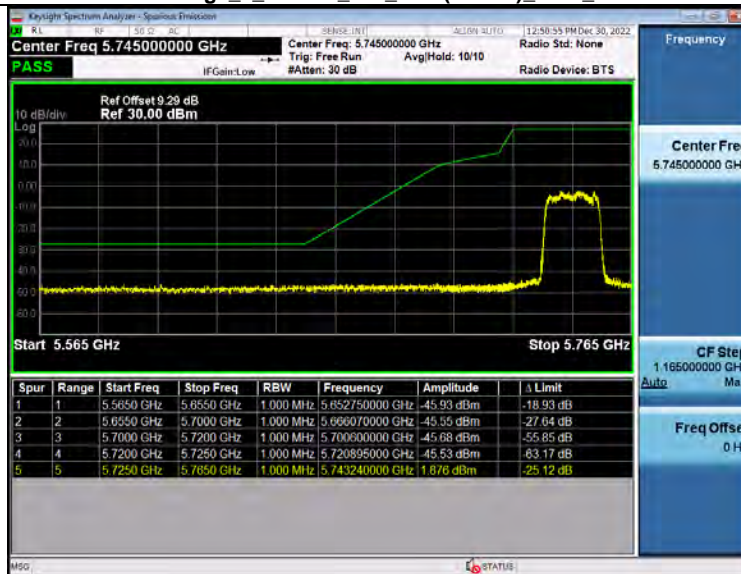
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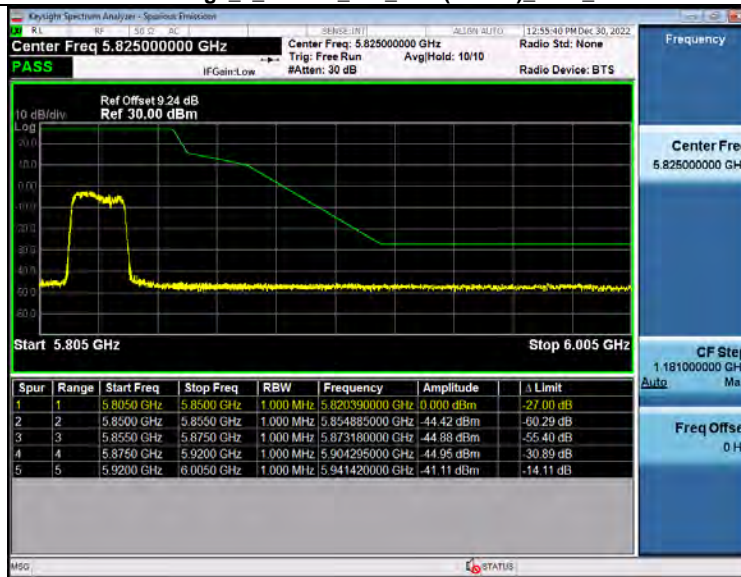
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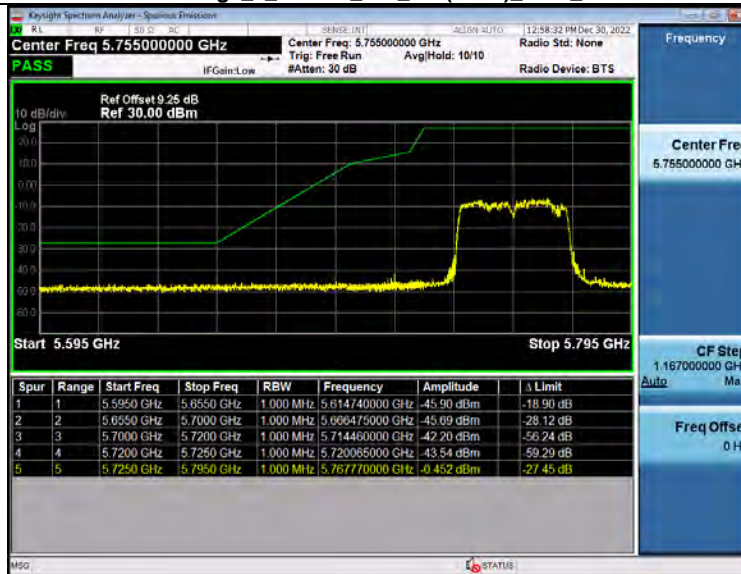
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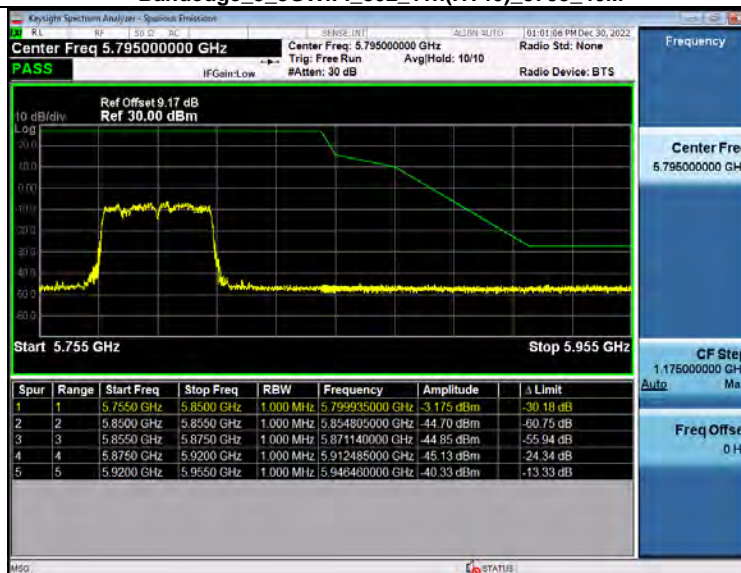
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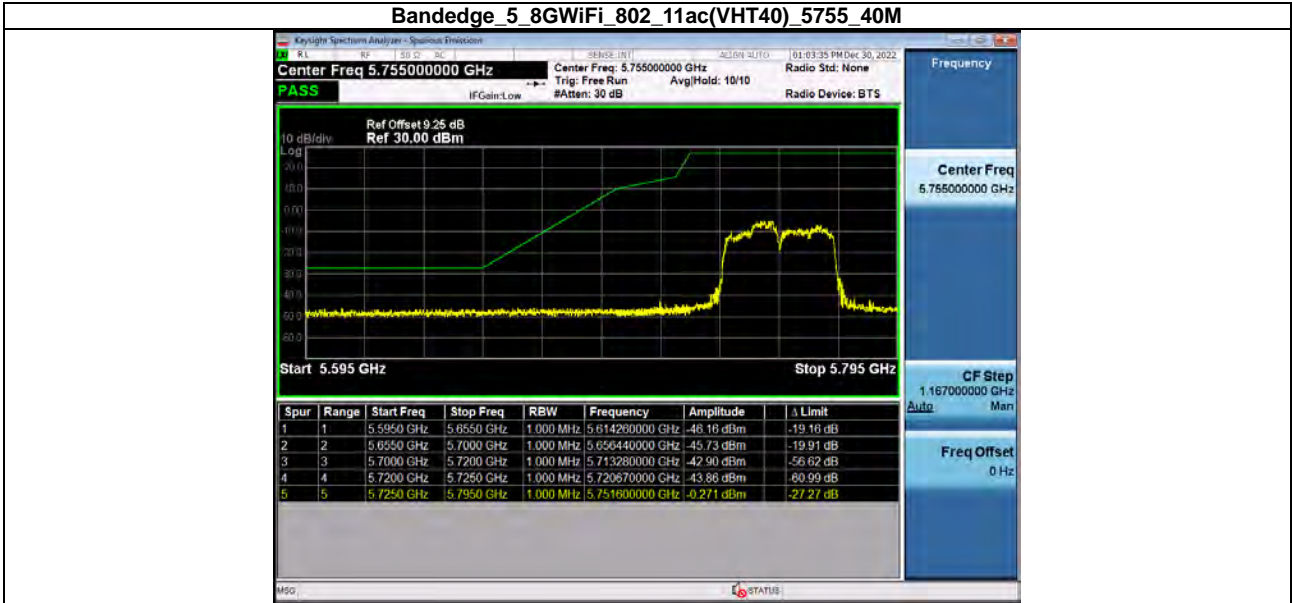
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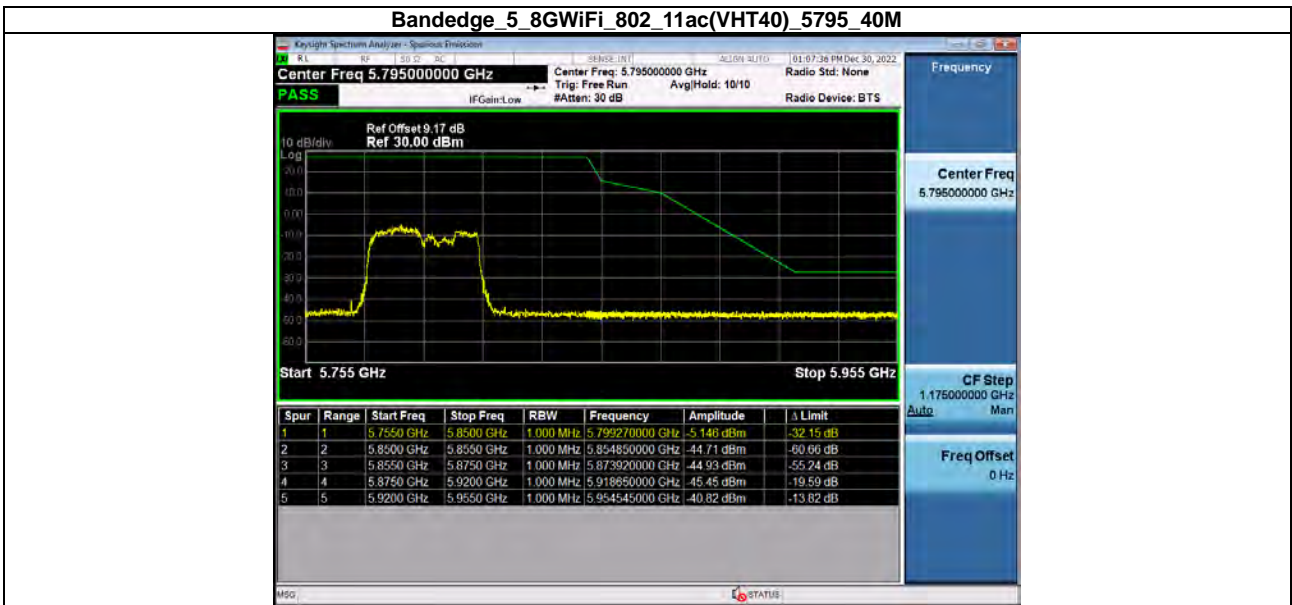
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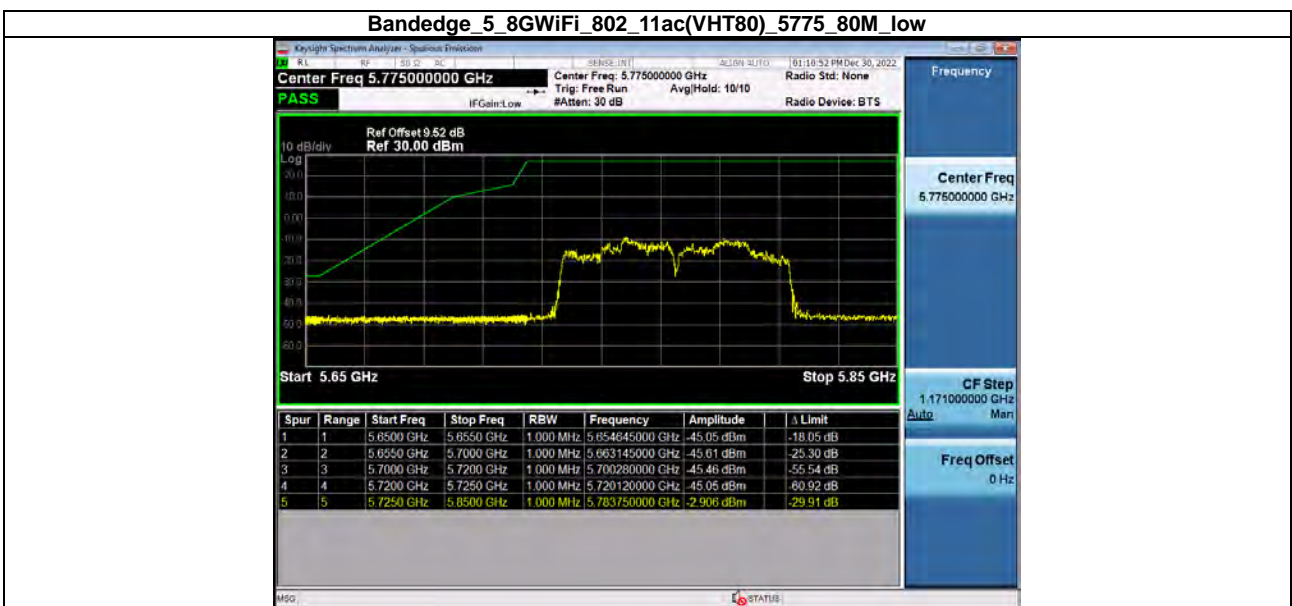
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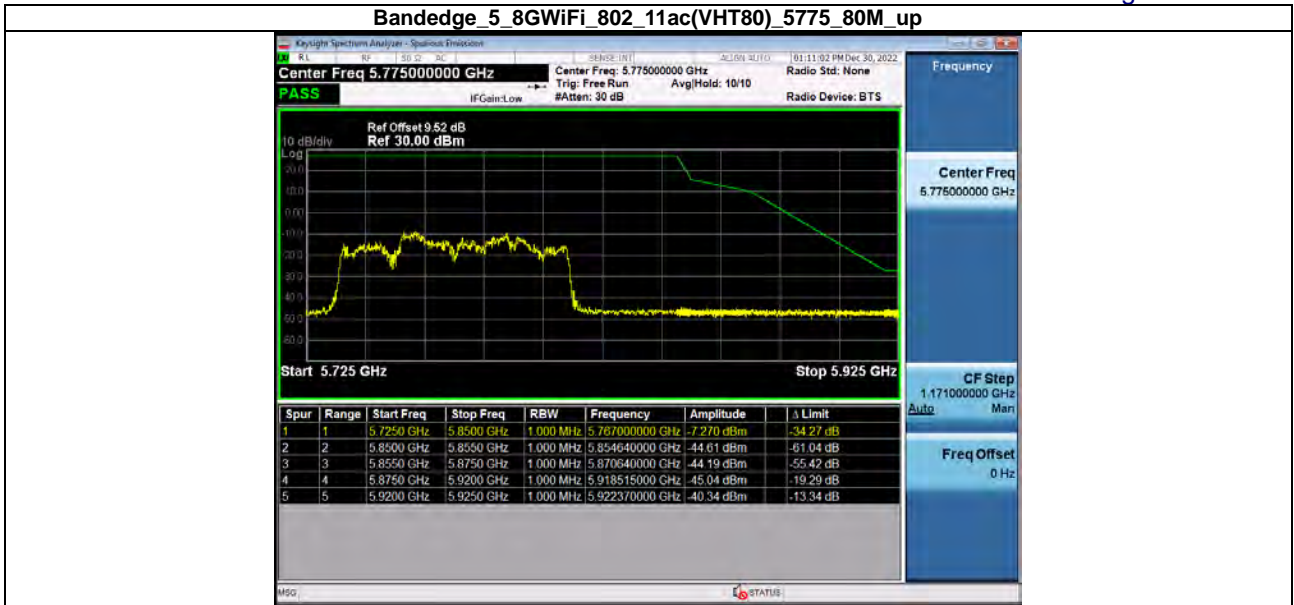
Bandedge_5_8WiFi_802_11ac(VHT40)_5795_40M



Bandedge_5_8WiFi_802_11ac(VHT80)_5775_80M_low



Bandedge_5_8WiFi_802_11ac(VHT80)_5775_80M_up



13. TEST SETUP PHOTO

Reference to the test setup file for details.

14. EUT CONSTRUCTIONAL DETAILS

Reference to the external photos file and internal photos file for details.

******* END OF REPORT *******