



Power_Spectral_Density_5_2GWiFi_802_11n(HT20)_5200_20M



Power_Spectral_Density_5_2GWiFi_802_11n(HT20)_5240_20M



Power_Spectral_Density_5_2GWiFi_802_11ac(VHT20)_5180_20M



Power_Spectral_Density_5_2GWiFi_802_11ac(VHT20)_5200_20M



Power_Spectral_Density_5_2GWiFi_802_11ac(VHT20)_5240_20M



Power_Spectral_Density_5_2GWiFi_802_11n(HT40)_5190_40M



Power_Spectral_Density_5_2GWiFi_802_11n(HT40)_5230_40M



Power_Spectral_Density_5_2GWiFi_802_11ac(VHT40)_5190_40M



Power_Spectral_Density_5_2GWiFi_802_11ac(VHT40)_5230_40M



ANT2

Power Spectral Density 5_2GWiFi_802_11a_5180_20M



Power Spectral Density 5_2GWiFi 802_11a 5200_20M



Power Spectral Density 5_2GWiFi 802_11a 5240_20M



Power Spectral Density 5_2GWiFi 802_11n(HT20) 5180_20M



Power Spectral Density 5_2GWiFi_802_11n(HT20)_5200_20M



Power Spectral Density 5_2GWiFi_802_11n(HT20)_5240_20M



Power Spectral Density 5_2GWiFi_802_11ac(VHT20)_5180_20M



Power_Spectral_Density_5_2GWi-Fi_802_11ac(VHT20)_5200_20M



Power_Spectral_Density_5_2GWi-Fi_802_11ac(VHT20)_5240_20M



Power_Spectral_Density_5_2GWi-Fi_802_11n(HT40)_5190_40M



Power_Spectral_Density_5_2GWiFi_802_11n(HT40)_5230_40M



Power_Spectral_Density_5_2GWiFi_802_11ac(VHT40)_5190_40M



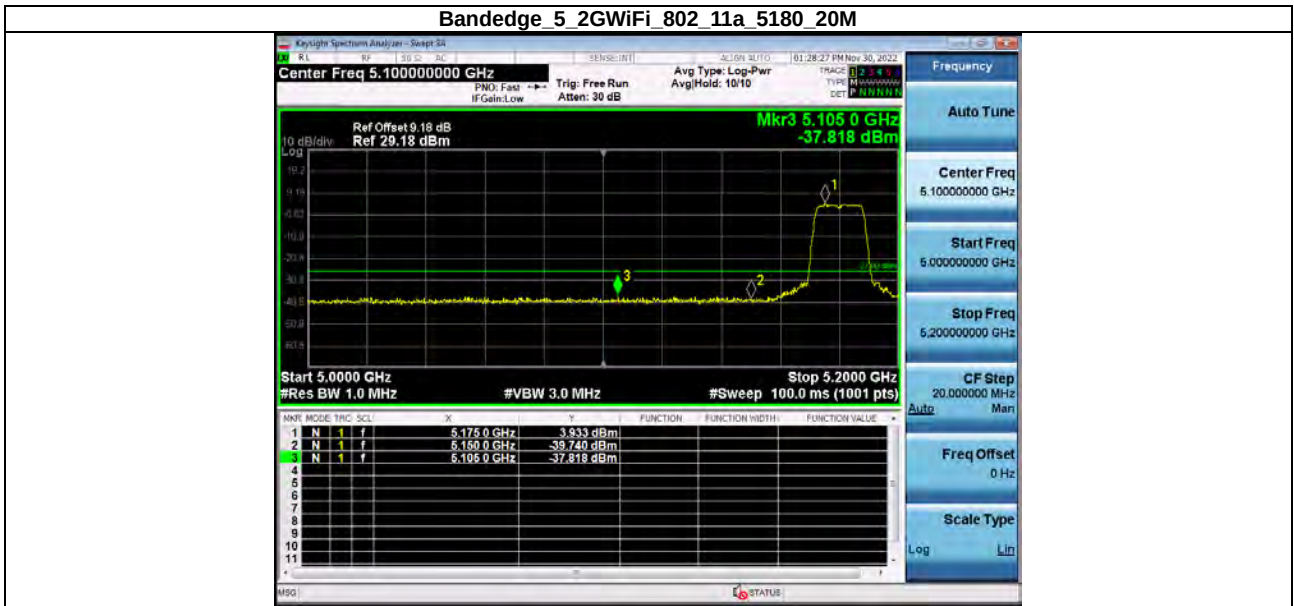
Power_Spectral_Density_5_2GWiFi_802_11ac(VHT40)_5230_40M



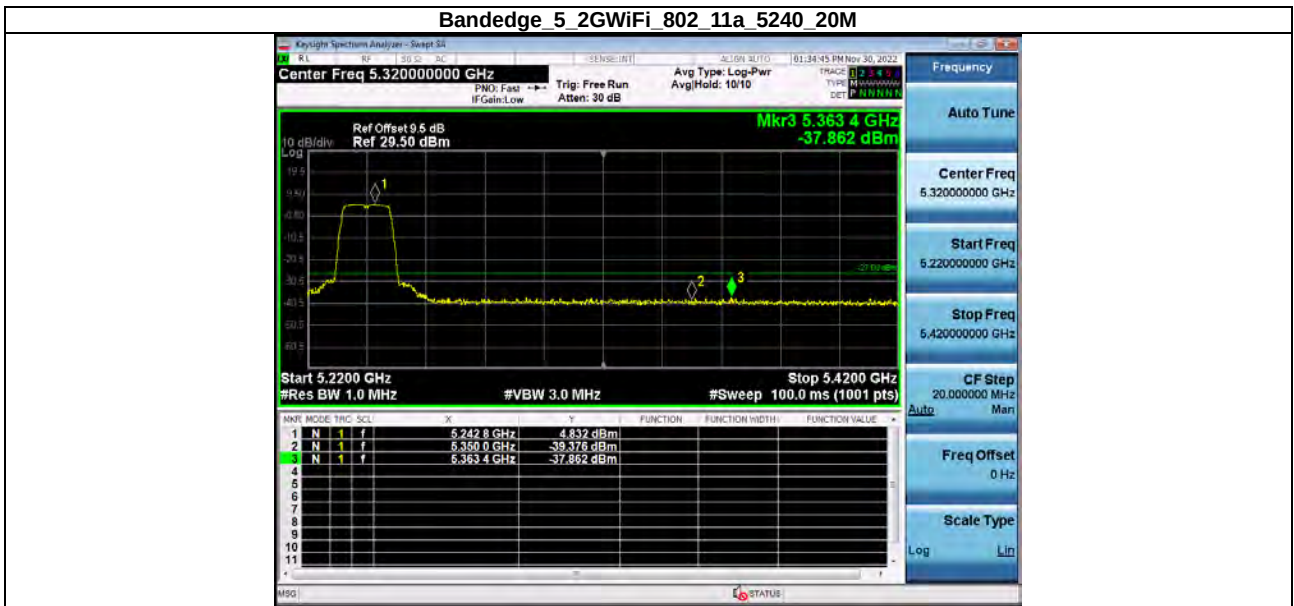
4. Bandedge

ANT1

Bandedge_5_2GWiFi_802_11a_5180_20M



Bandedge_5_2GWiFi_802_11a_5240_20M



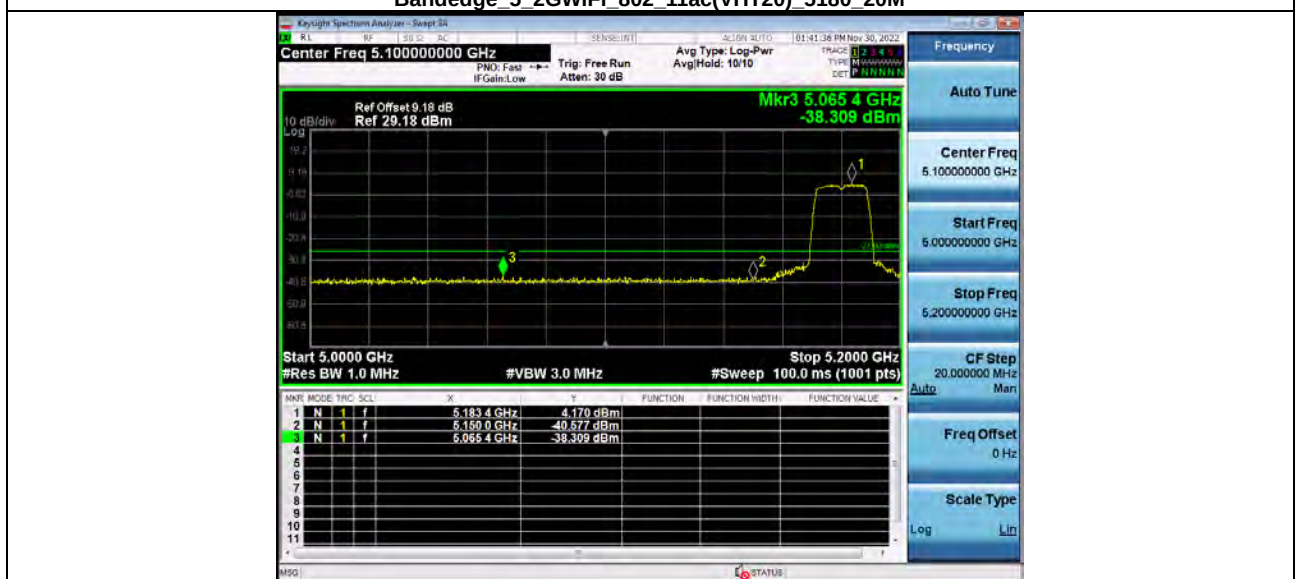
Bandedge_5_2GWiFi_802_11n(HT20)_5180_20M



Bandedge_5_2GWiFi_802_11n(HT20)_5240_20M



Bandedge_5_2GWiFi_802_11ac(VHT20)_5180_20M



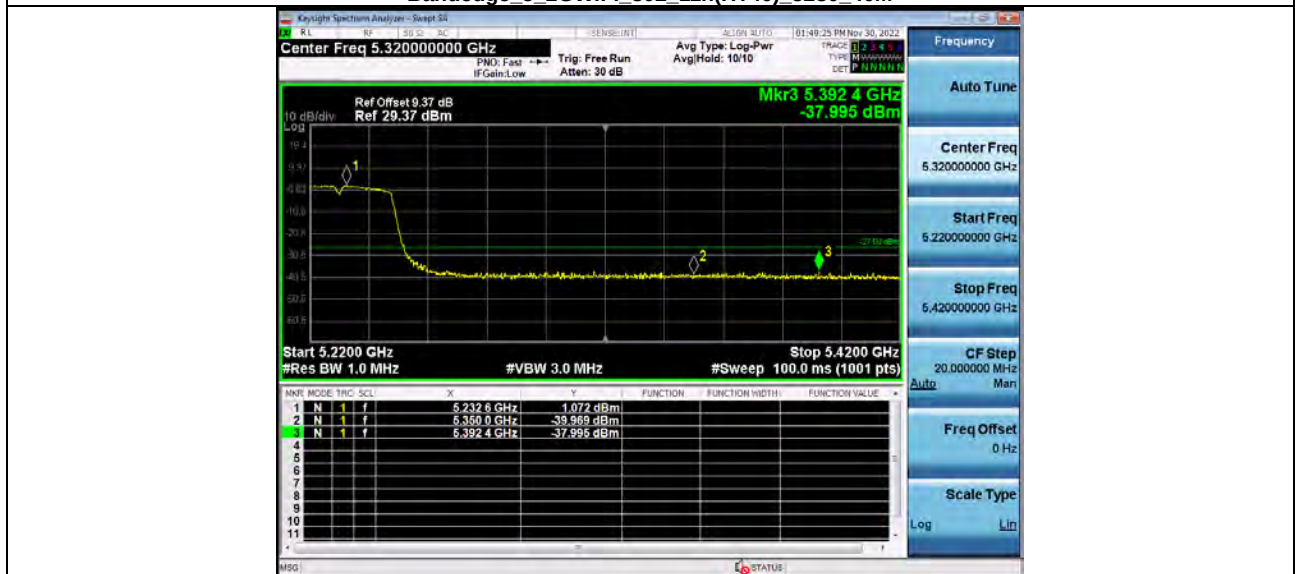
Bandedge_5_2GWiFi_802_11ac(VHT20)_5240_20M



Bandedge_5_2GWiFi_802_11n(HT40)_5190_40M



Bandedge_5_2GWiFi_802_11n(HT40)_5230_40M



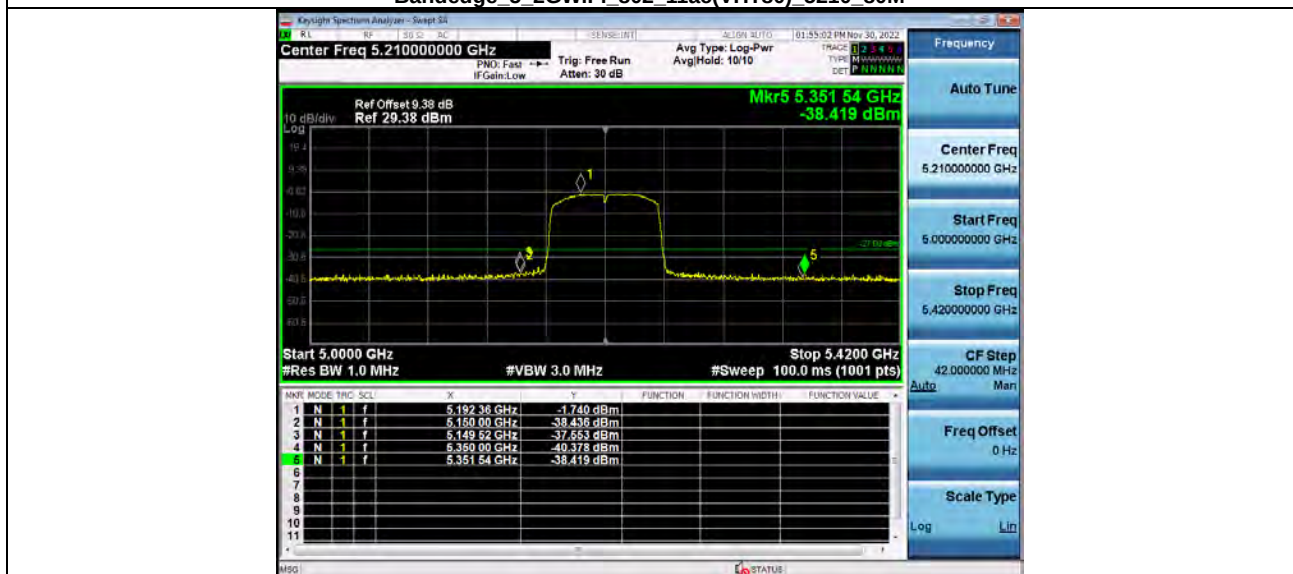
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Bandedge 5 2GWiFi 802_11ac(VHT40) 5230_40M

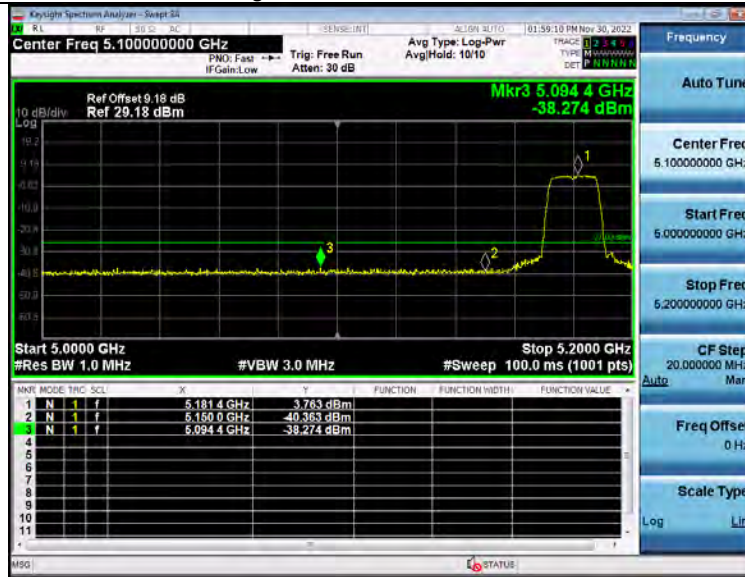


Bandedge 5 2GWiFi 802_11ac(VHT80) 5210_80M



ANT2

Bandedge 5 2GWiFi 802 11a 5180 20M



Bandedge 5 2GWiFi 802 11a 5240 20M



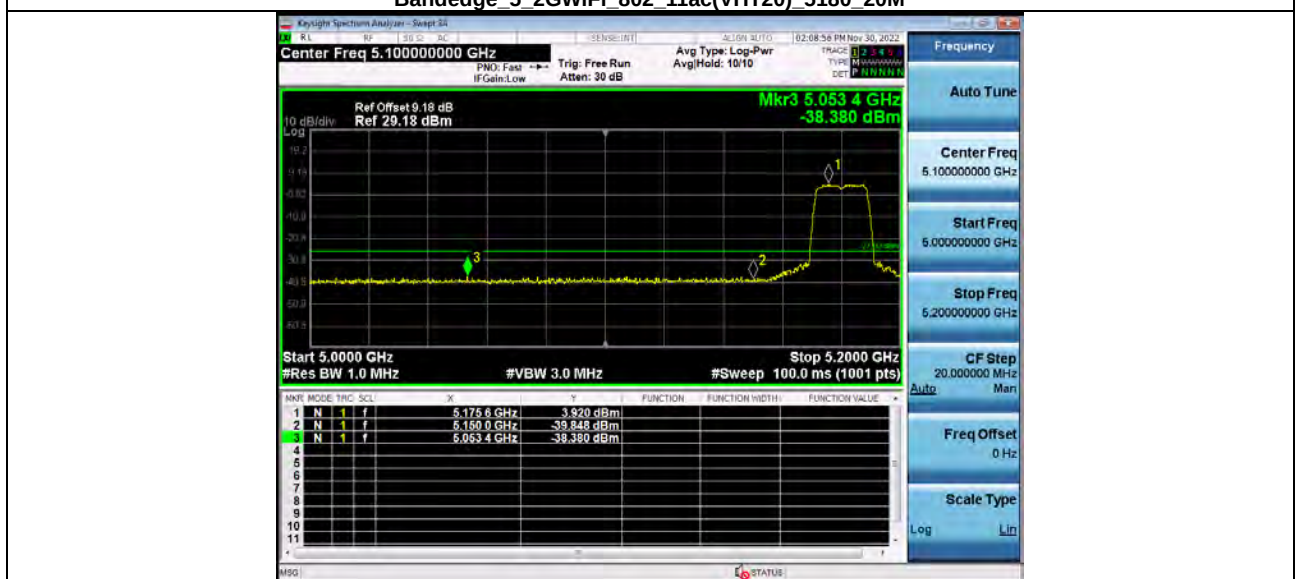
Bandedge 5 2GWiFi 802 11n(HT20) 5180 20M



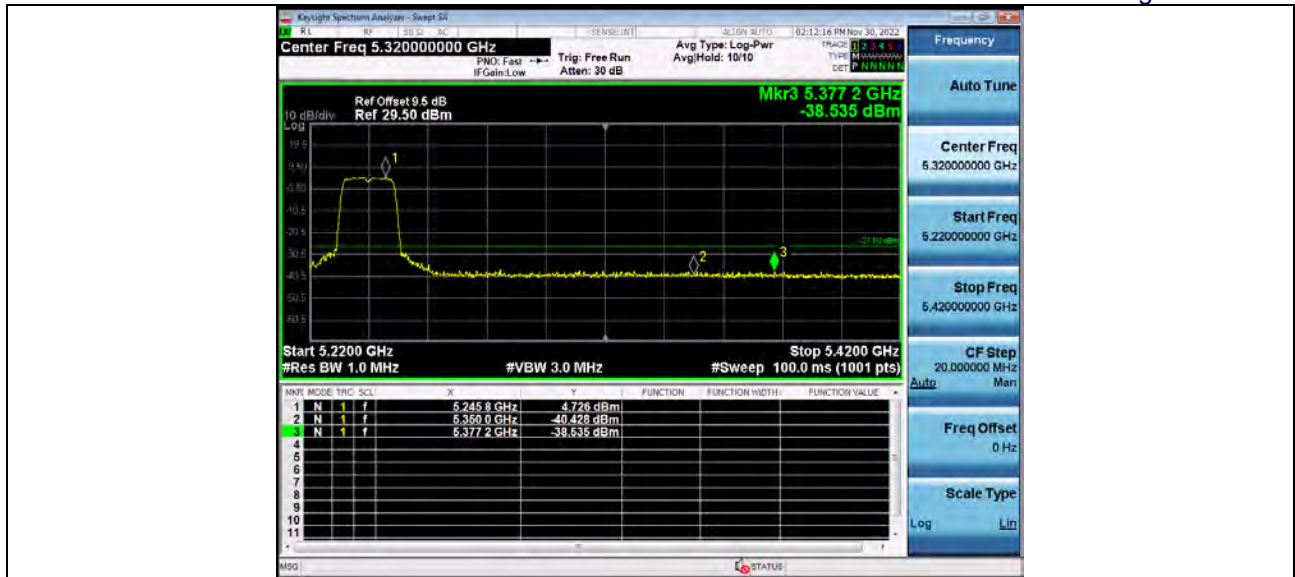
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Bandedge_5_2GWiFi_802_11ac(VHT20)_5180_20M



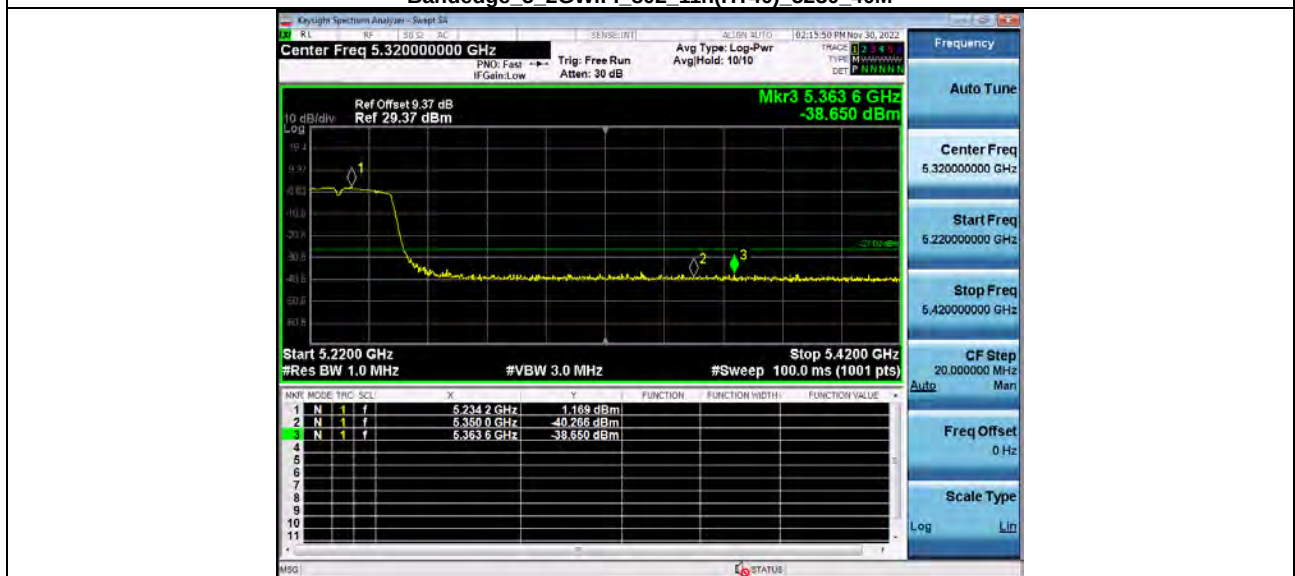
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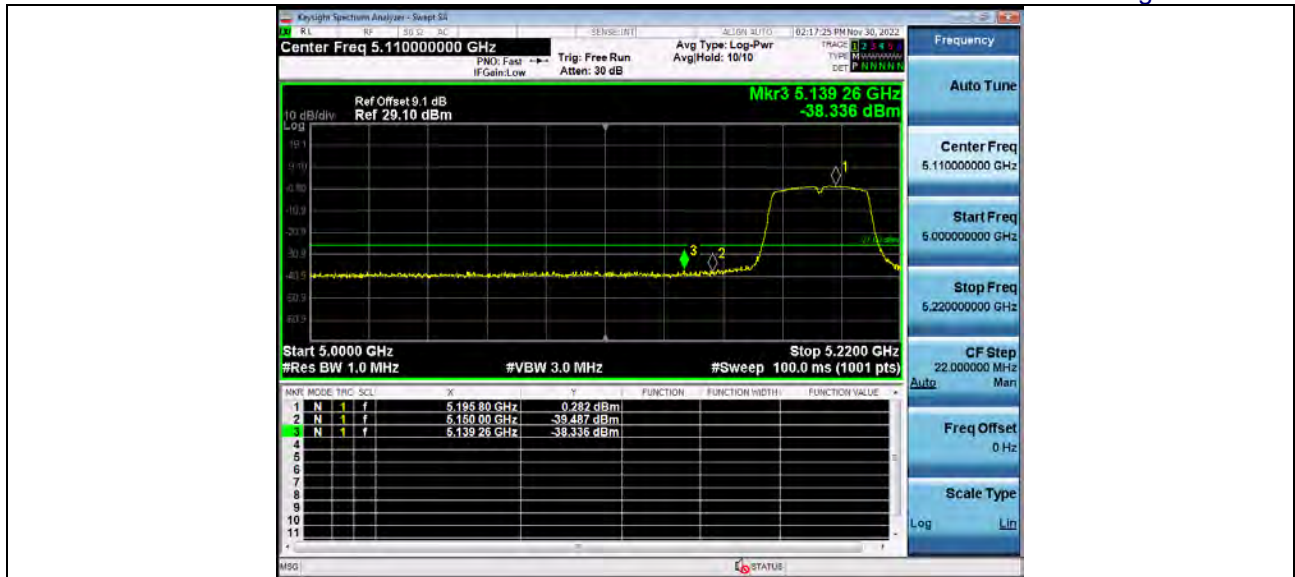
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Bandedge_5_2GWiFi_802_11n(HT40)_5230_40M



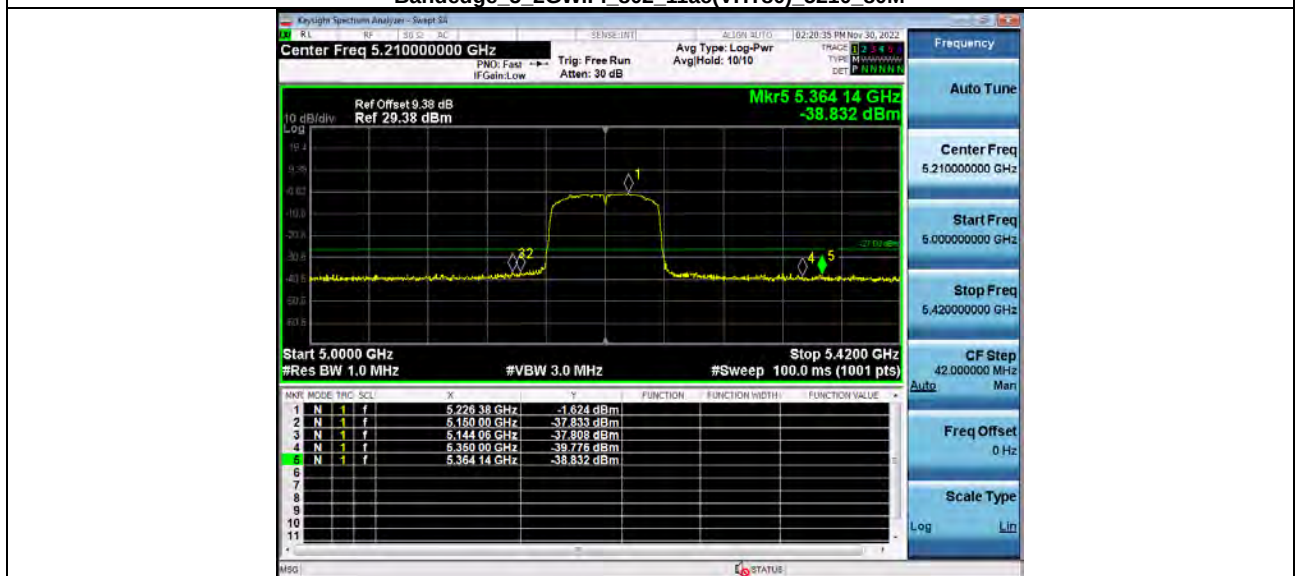
Bandedge_5_2GWiFi_802_11ac(VHT40)_5190_40M



Bandedge_5_2GWiFi_802_11ac(VHT40)_5230_40M



Bandedge_5_2GWiFi_802_11ac(VHT80)_5210_80M

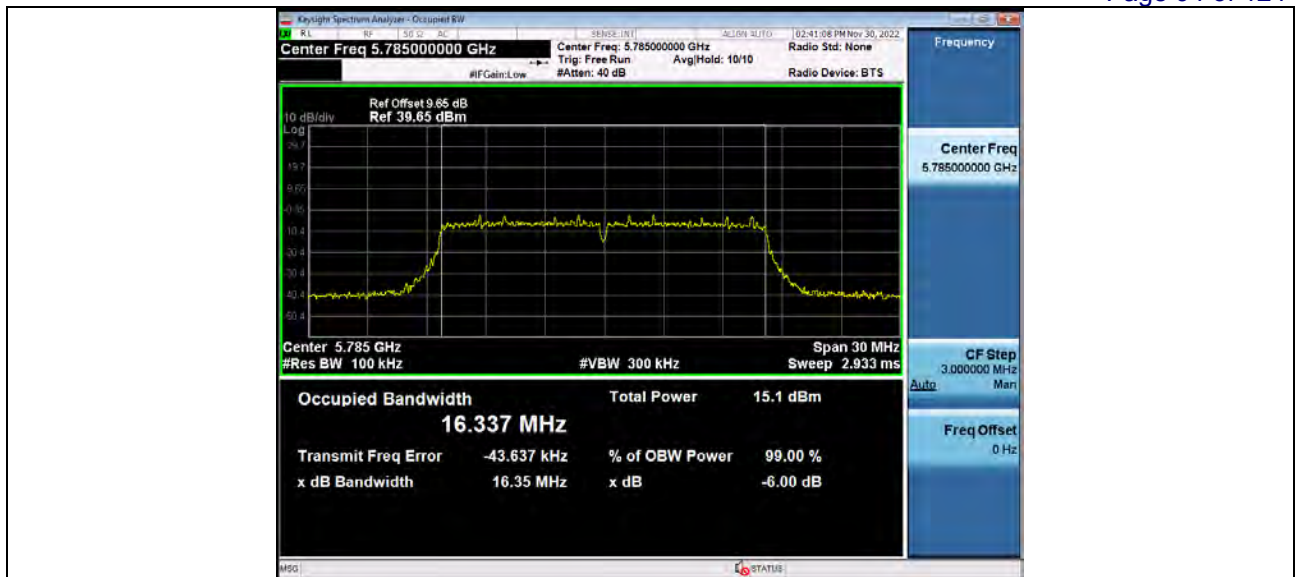
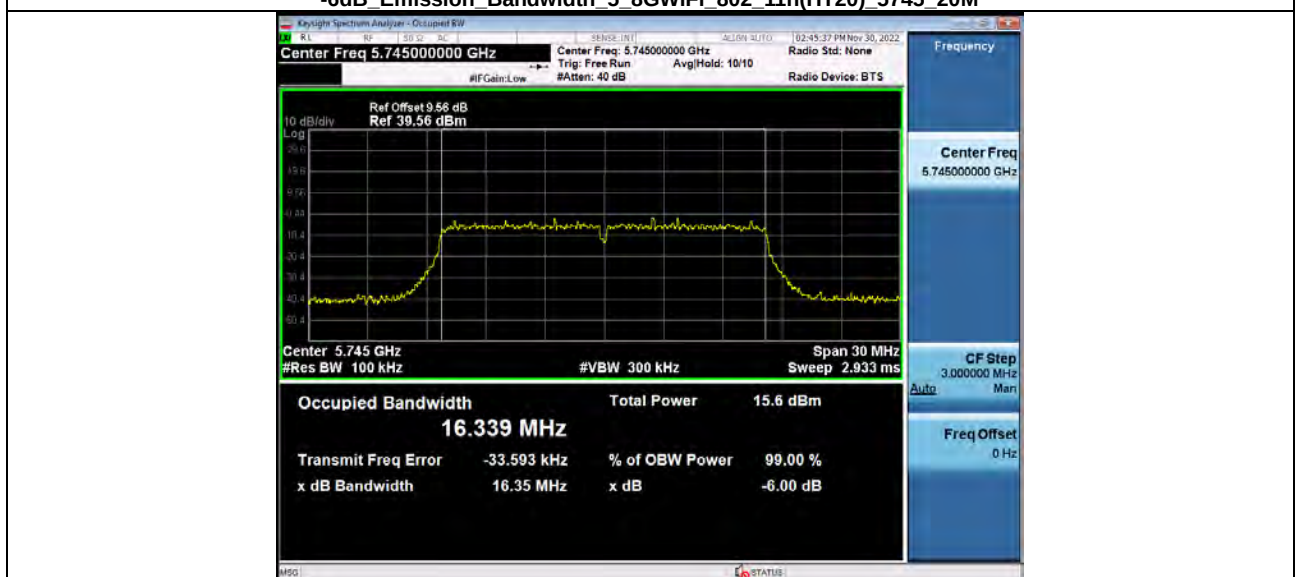


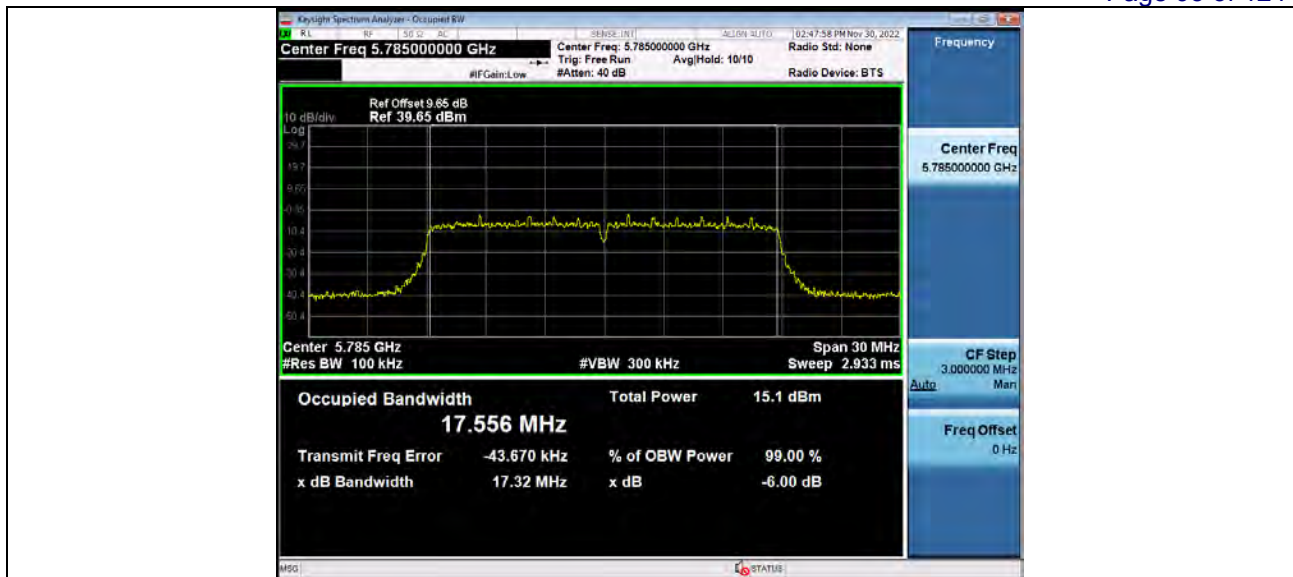
12.APPENDIX1---5.8GWIFI**1. -6dB Emission Bandwidth**

Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	LCH	5745.00	16.333	0.500	Pass
NVNT	ANT1	MCH	5785.00	16.353	0.500	Pass
NVNT	ANT1	HCH	5825.00	16.361	0.500	Pass
NVNT	ANT1	LCH	5745.00	16.352	0.500	Pass
NVNT	ANT1	MCH	5785.00	17.324	0.500	Pass
NVNT	ANT1	HCH	5825.00	17.189	0.500	Pass
NVNT	ANT1	LCH	5745.00	17.572	0.500	Pass
NVNT	ANT1	MCH	5785.00	17.572	0.500	Pass
NVNT	ANT1	HCH	5825.00	17.187	0.500	Pass
NVNT	ANT1	LCH	5755.00	35.520	0.500	Pass
NVNT	ANT1	HCH	5795.00	35.321	0.500	Pass
NVNT	ANT1	LCH	5755.00	35.174	0.500	Pass
NVNT	ANT1	HCH	5795.00	35.153	0.500	Pass
NVNT	ANT1	MCH	5775.00	75.054	0.500	Pass

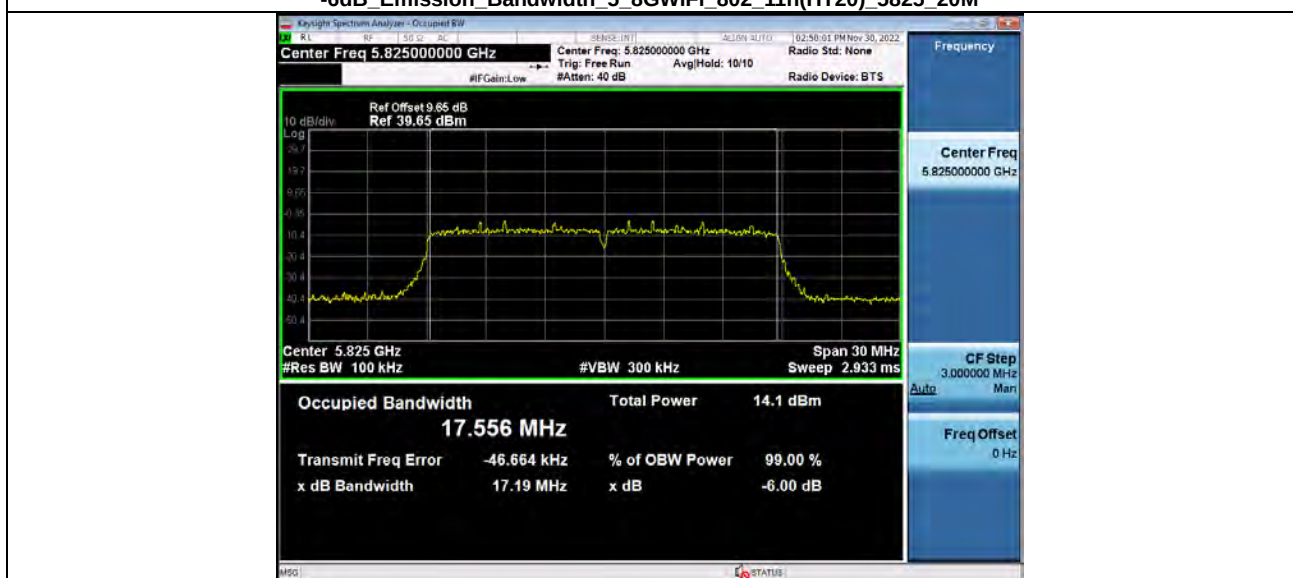
Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT2	LCH	5745.00	16.345	0.500	Pass
NVNT	ANT2	MCH	5785.00	16.382	0.500	Pass
NVNT	ANT2	HCH	5825.00	16.359	0.500	Pass
NVNT	ANT2	LCH	5745.00	17.311	0.500	Pass
NVNT	ANT2	MCH	5785.00	17.569	0.500	Pass
NVNT	ANT2	HCH	5825.00	17.572	0.500	Pass
NVNT	ANT2	LCH	5745.00	17.168	0.500	Pass
NVNT	ANT2	MCH	5785.00	17.328	0.500	Pass
NVNT	ANT2	HCH	5825.00	17.352	0.500	Pass
NVNT	ANT2	LCH	5755.00	35.164	0.500	Pass
NVNT	ANT2	HCH	5795.00	35.154	0.500	Pass
NVNT	ANT2	LCH	5755.00	35.072	0.500	Pass
NVNT	ANT2	HCH	5795.00	35.127	0.500	Pass
NVNT	ANT2	MCH	5775.00	75.077	0.500	Pass

ANT1**-6dB Emission Bandwidth_5_8WiFi_802_11a_5745_20M****-6dB Emission Bandwidth_5_8WiFi_802_11a_5785_20M**

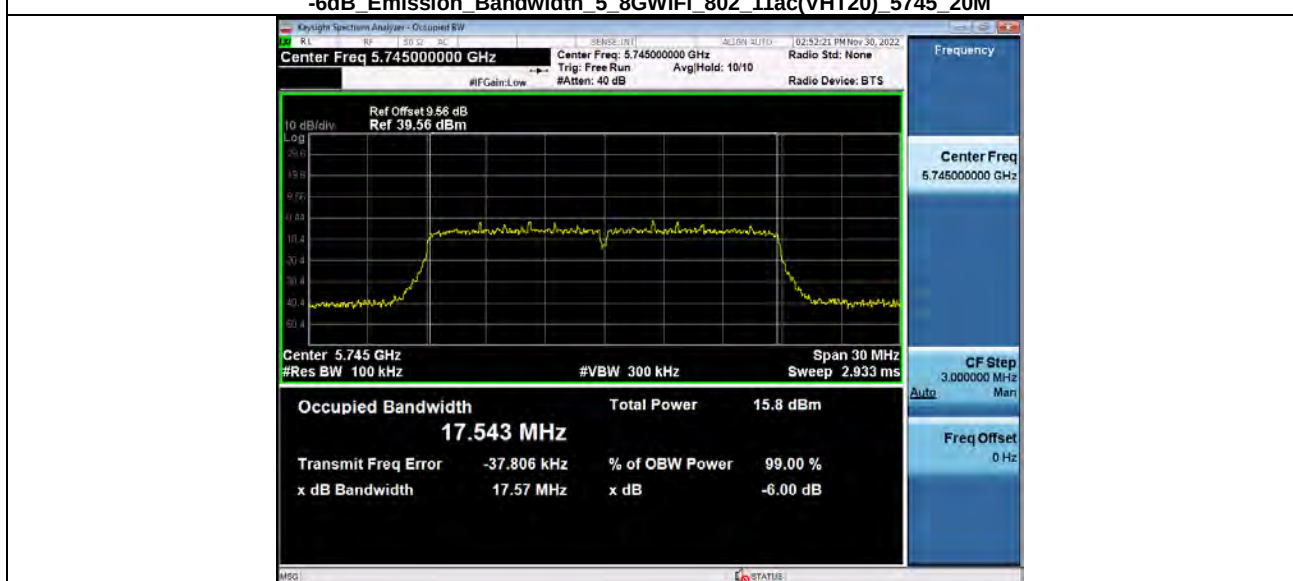
**-6dB Emission Bandwidth 5_8WiFi 802_11a 5825_20M****-6dB Emission Bandwidth 5_8WiFi 802_11n(HT20) 5745_20M****-6dB Emission Bandwidth 5_8WiFi 802_11n(HT20) 5785_20M**



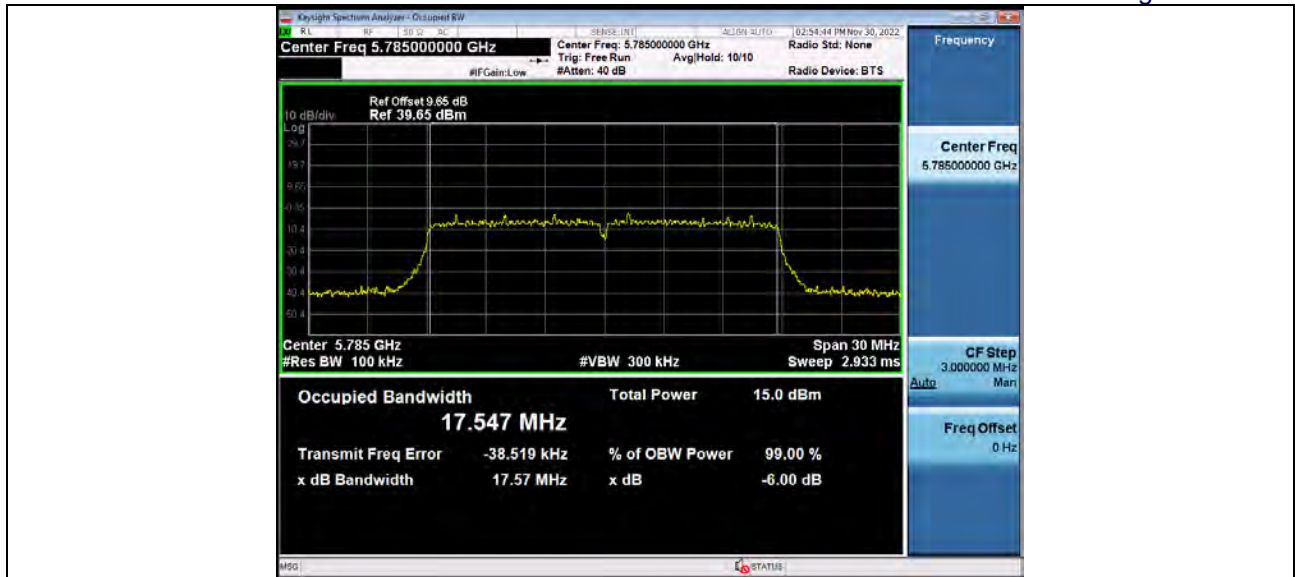
-6dB Emission Bandwidth 5_8WiFi 802_11n(HT20) 5825_20M



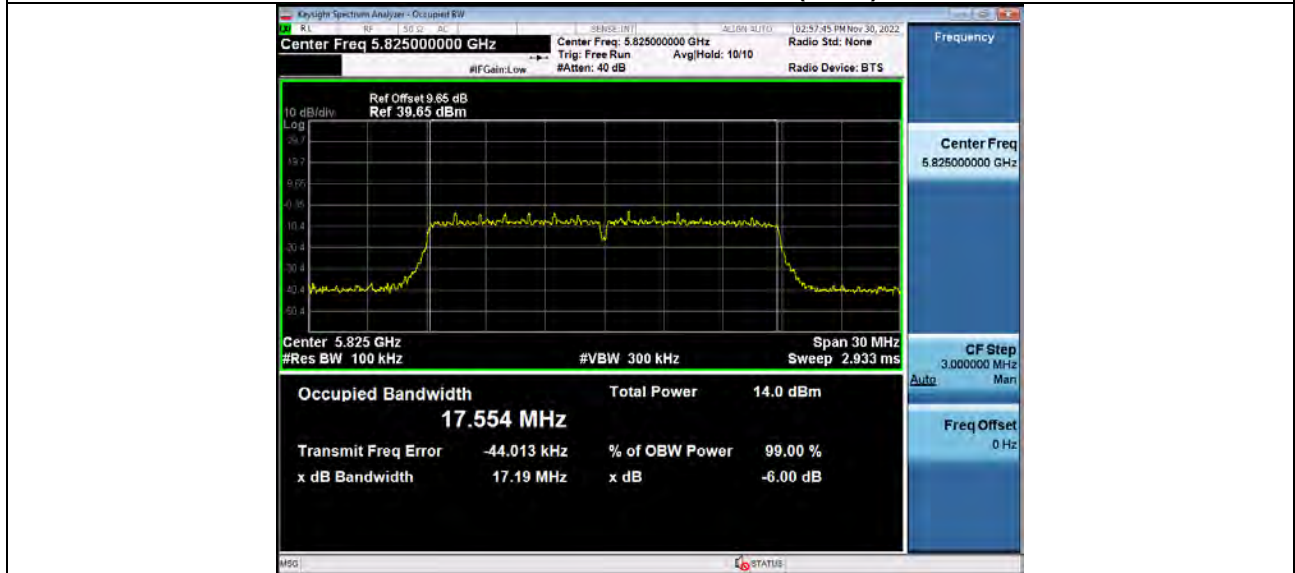
-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT20) 5745_20M



-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT20) 5785_20M



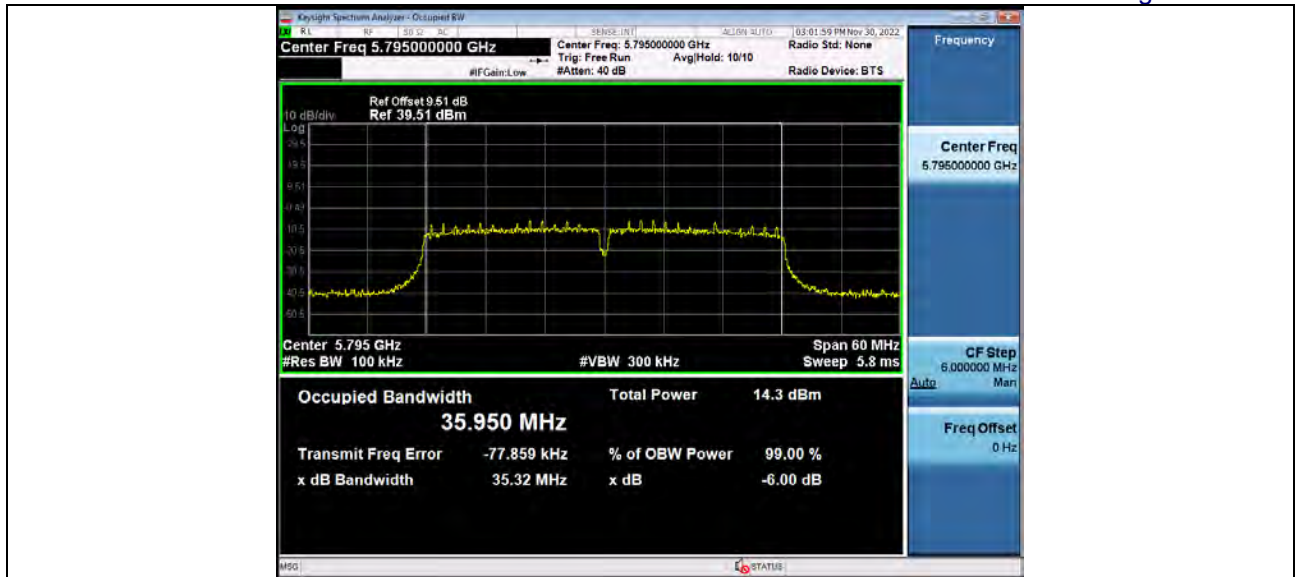
-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT20)_5825_20M



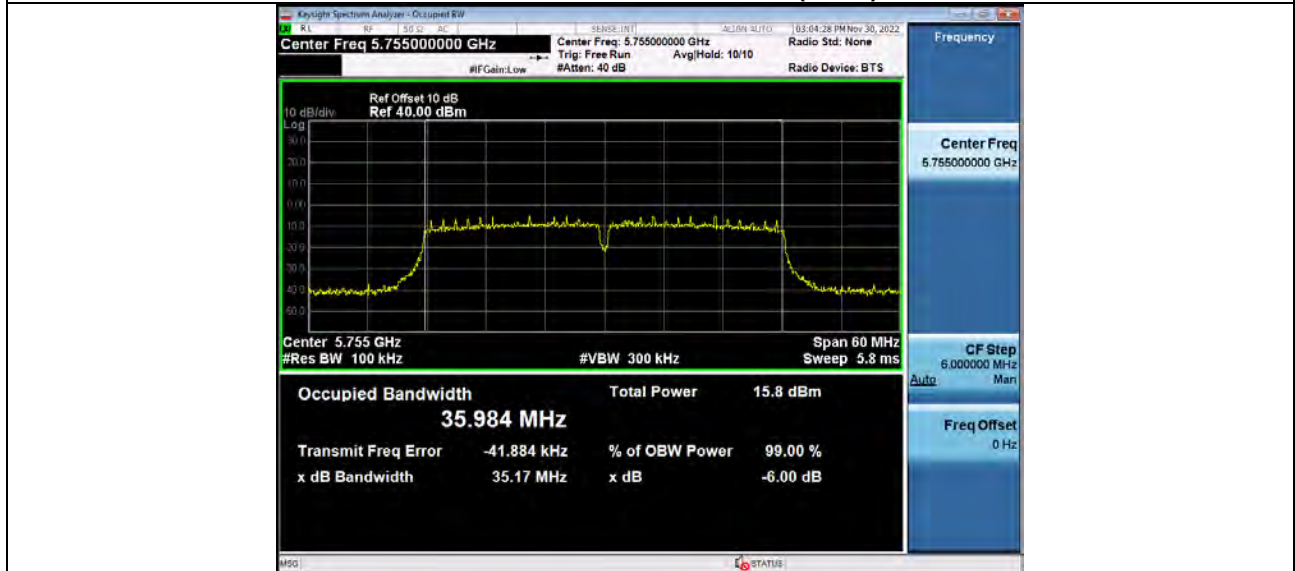
-6dB Emission Bandwidth 5_8WiFi 802_11n(HT40)_5755_40M



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



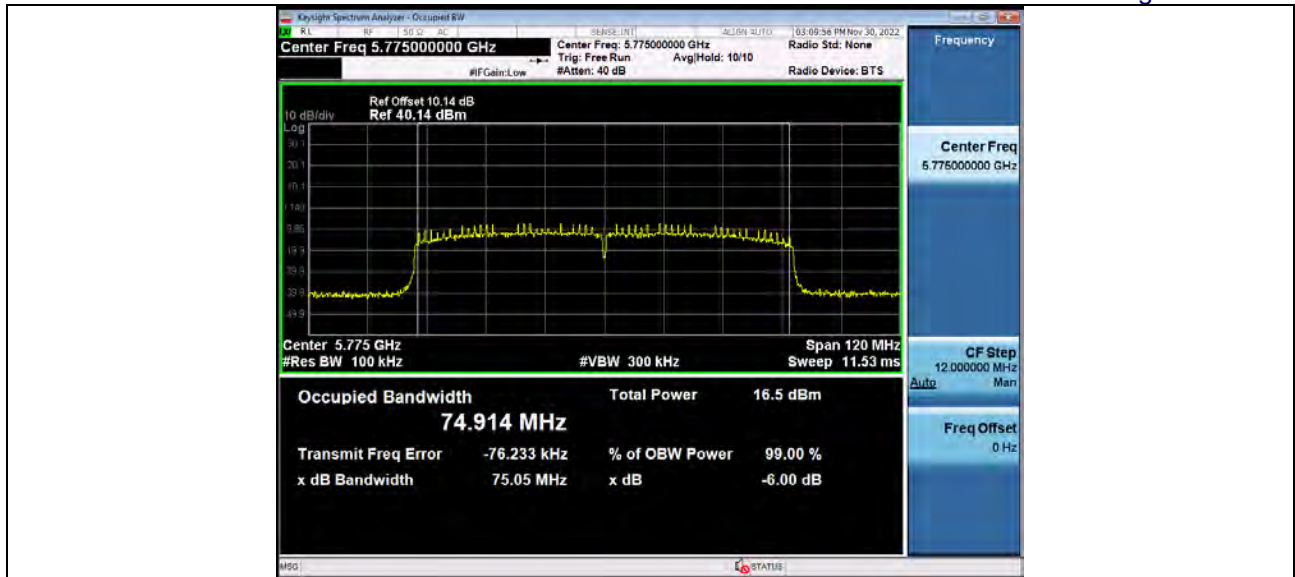
-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT40)_5755_40M



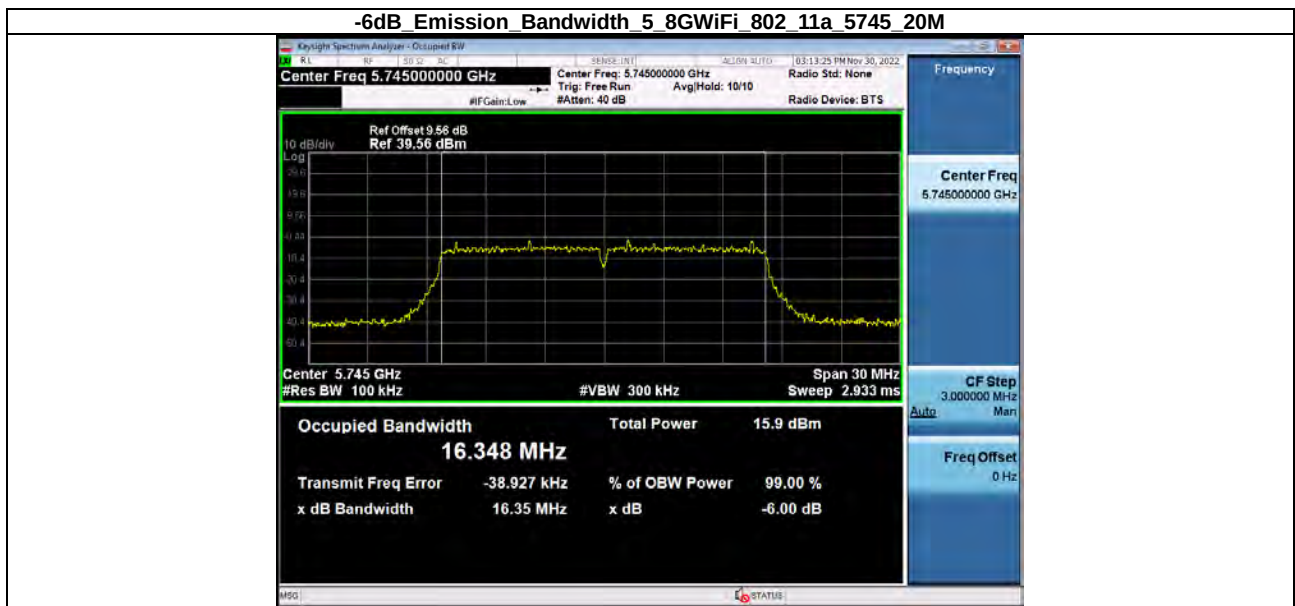
-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT40)_5795_40M



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



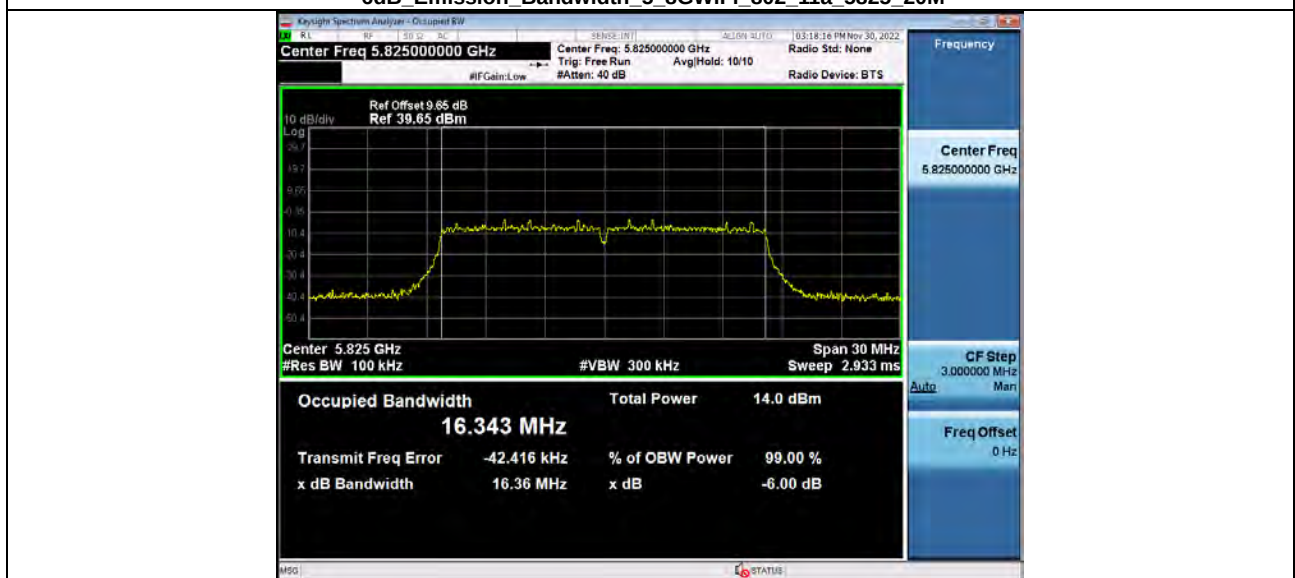
ANT2



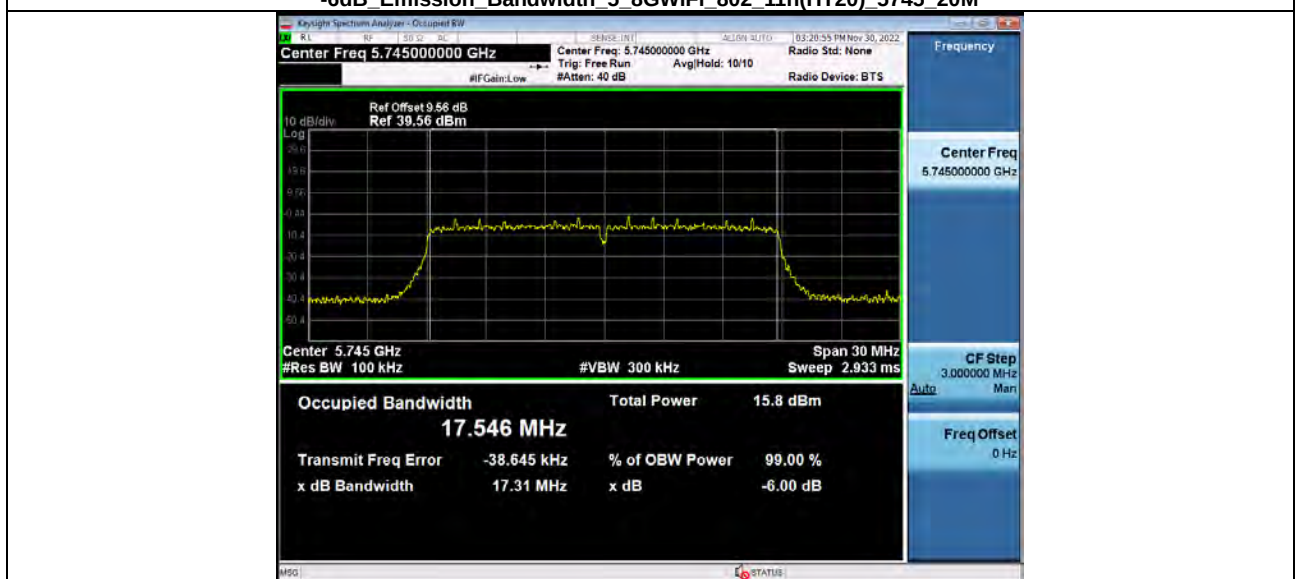
-6dB Emission Bandwidth 5.8WiFi 802.11a 5785.20M



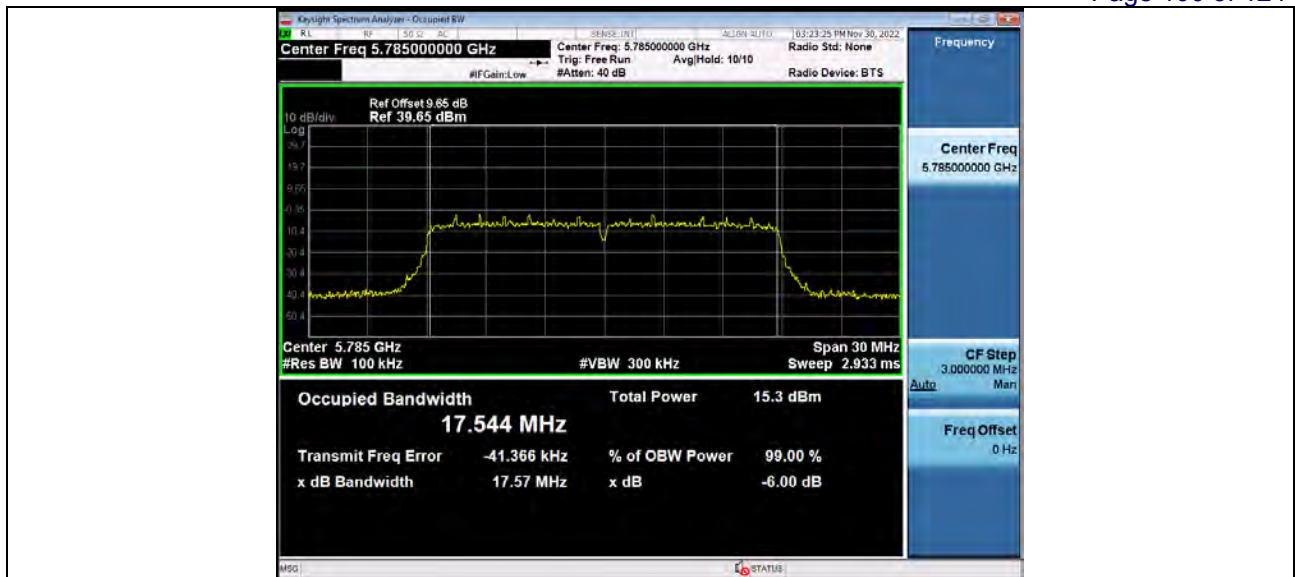
-6dB Emission Bandwidth 5_8WiFi 802_11a 5825_20M



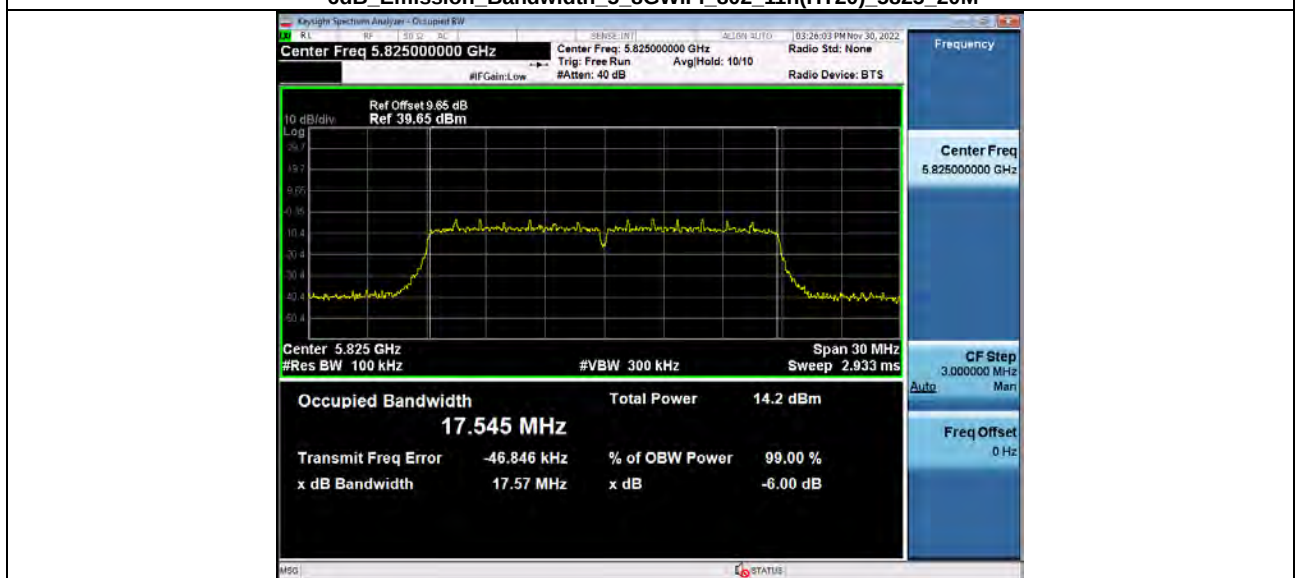
-6dB Emission Bandwidth 5_8WiFi 802_11n(HT20) 5745_20M



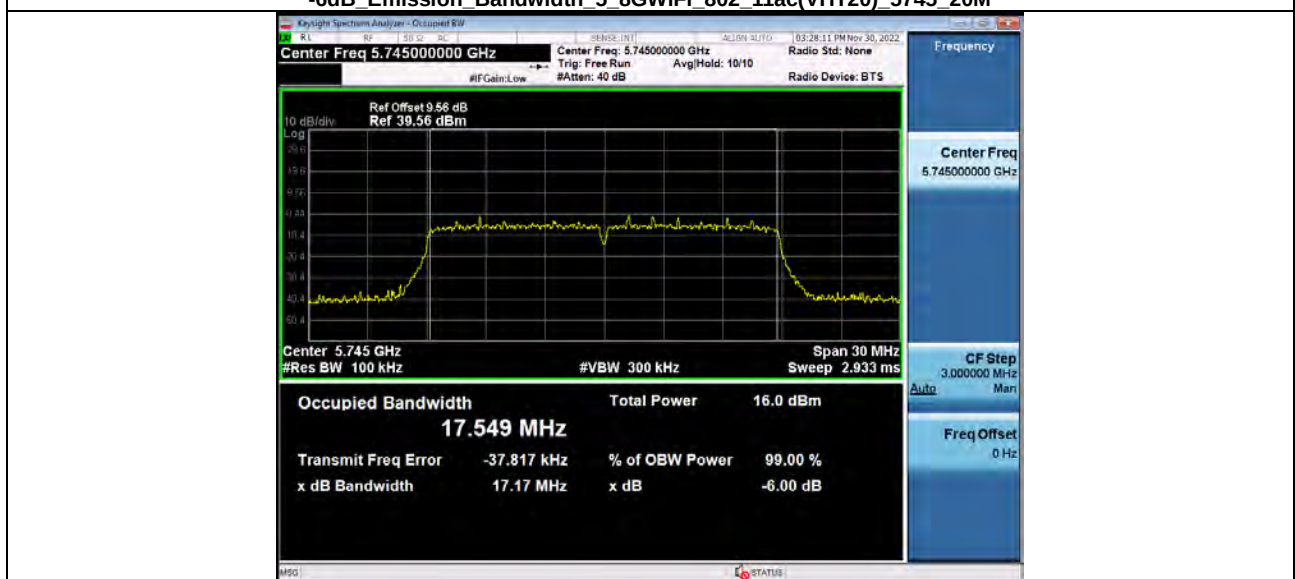
-6dB Emission Bandwidth 5_8WiFi 802_11n(HT20) 5785_20M



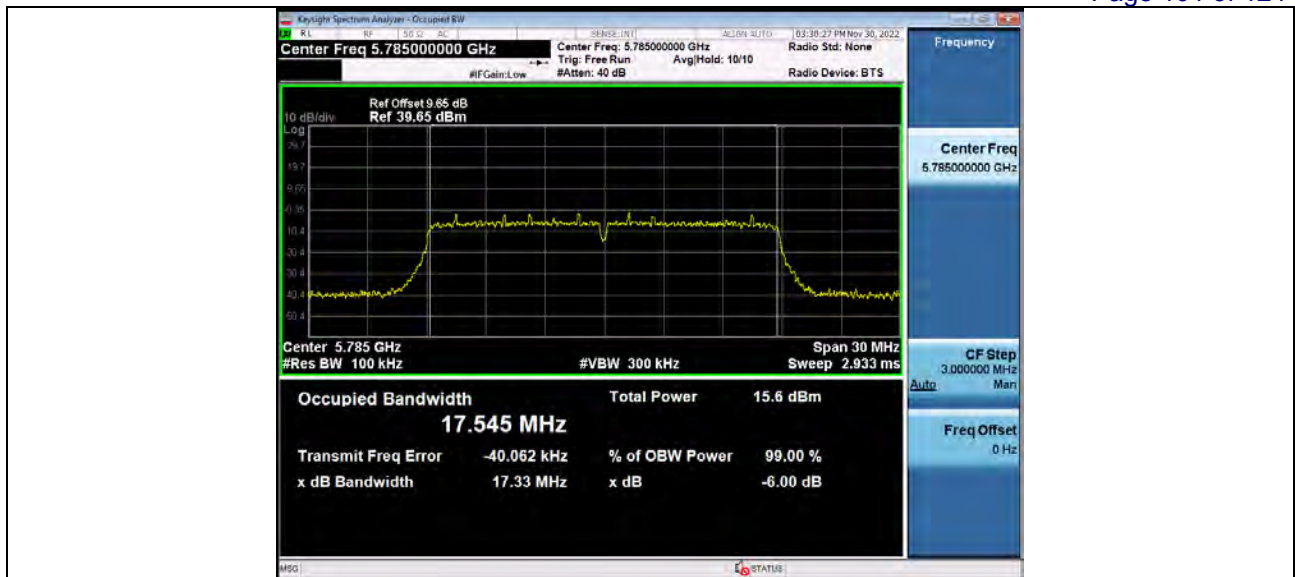
-6dB Emission Bandwidth 5_8WiFi 802_11n(HT20) 5825_20M



-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT20) 5745_20M



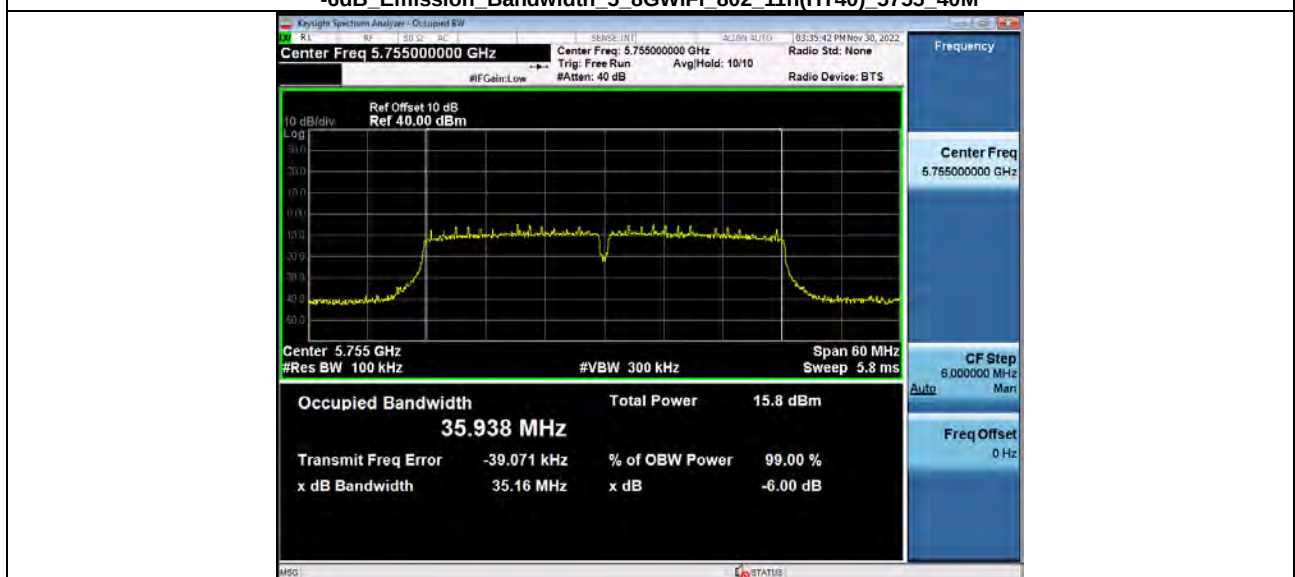
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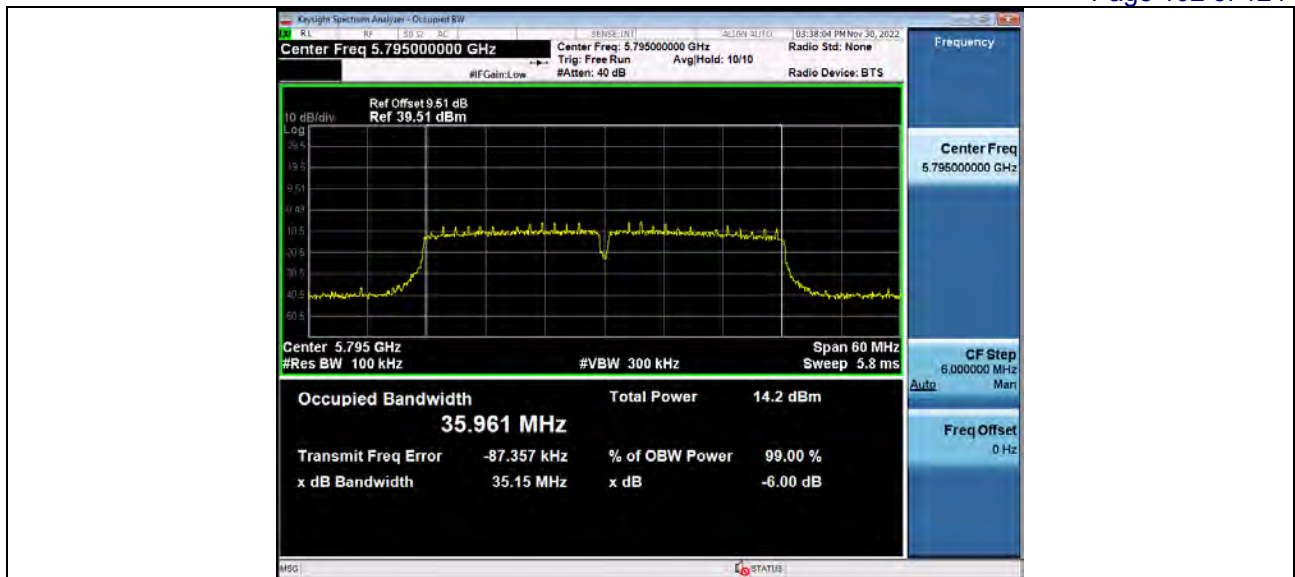
-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT20)_5825_20M



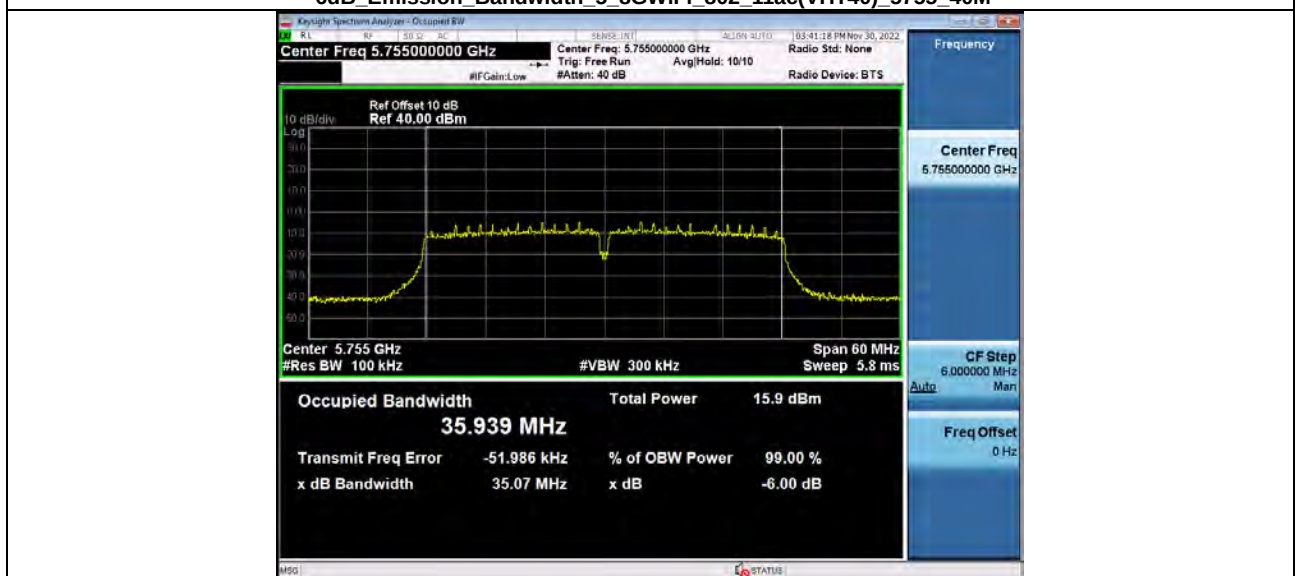
-6dB Emission Bandwidth 5_8WiFi 802_11n(HT40)_5755_40M



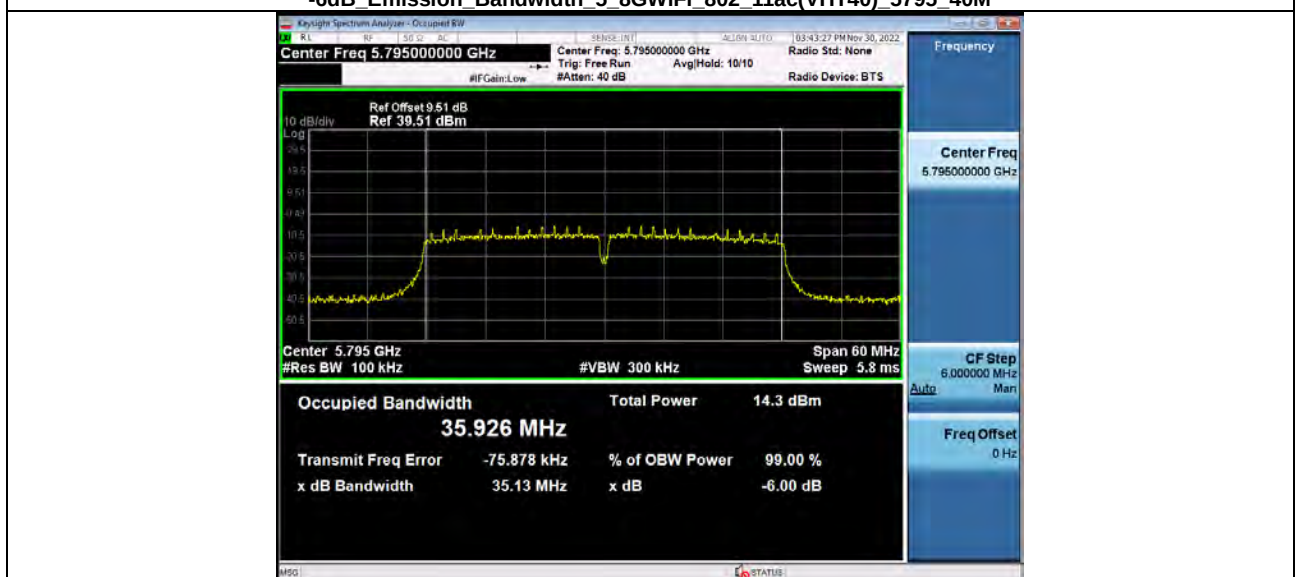
-6dB Emission Bandwidth 5_8WiFi 802_11n(HT40)_5795_40M



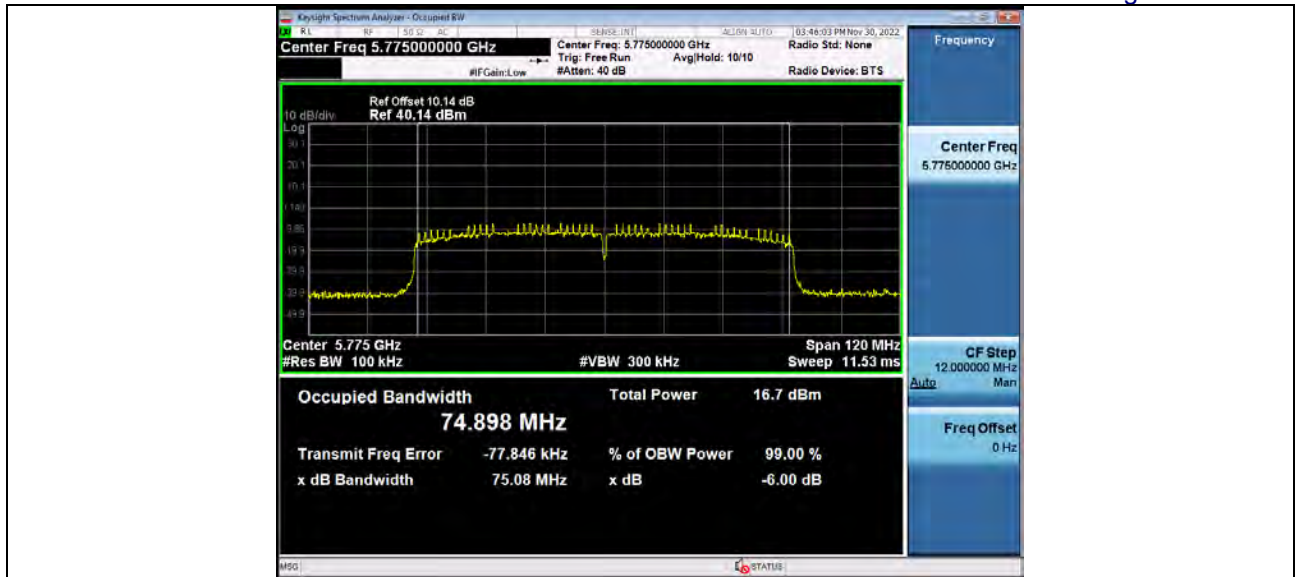
-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT40)_5755_40M



-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	14.62	14.71	30	/	/	Pass
NVNT	802.11a	5785.00	13.77	13.62	30	/	/	Pass
NVNT	802.11a	5825.00	12.74	12.49	30	/	/	Pass
NVNT	802.11n(HT20)	5745.00	14.56	14.62	30	17.60	29.96	Pass
NVNT	802.11n(HT20)	5785.00	13.79	13.93	30	16.87	29.96	Pass
NVNT	802.11n(HT20)	5825.00	12.72	12.68	30	15.71	29.96	Pass
NVNT	802.11ac(VHT20)	5745.00	14.53	14.63	30	17.59	29.96	Pass
NVNT	802.11ac(VHT20)	5785.00	13.79	14.35	30	17.09	29.96	Pass
NVNT	802.11ac(VHT20)	5825.00	12.86	12.76	30	15.82	29.96	Pass
NVNT	802.11n(HT40)	5755.00	14.20	14.34	30	17.28	29.96	Pass
NVNT	802.11n(HT40)	5795.00	12.33	12.68	30	15.52	29.96	Pass
NVNT	802.11ac(VHT40)	5755.00	13.29	13.30	30	16.31	29.96	Pass
NVNT	802.11ac(VHT40)	5795.00	12.48	12.57	30	15.54	29.96	Pass
NVNT	802.11ac(VHT80)	5775.00	10.58	10.55	30	13.58	29.96	Pass

Note: MIMO limit=30-(6.04-6)=30-0.04=29.96

4. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD (dBm/510KHz)	PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
NVNT	ANT1	802.11a	5745.00	1.822	1.736	30	Pass
NVNT	ANT1	802.11a	5785.00	1.430	1.344	30	Pass
NVNT	ANT1	802.11a	5825.00	0.210	0.124	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	1.530	1.444	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	1.197	1.111	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	-0.347	-0.433	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	1.769	1.683	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	1.502	1.416	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	-0.084	-0.170	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	-1.568	-1.654	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	-3.031	-3.117	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	-1.543	-1.629	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	-3.295	-3.381	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	-4.173	-4.259	30	Pass

Condition	Antenna	Modulation	Frequency (MHz)	PSD (dBm/510KHz)	PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
NVNT	ANT2	802.11a	5745.00	1.709	1.623	30	Pass
NVNT	ANT2	802.11a	5785.00	0.612	0.526	30	Pass
NVNT	ANT2	802.11a	5825.00	-0.162	-0.248	30	Pass
NVNT	ANT2	802.11n(HT20)	5745.00	1.404	1.318	30	Pass
NVNT	ANT2	802.11n(HT20)	5785.00	0.838	0.752	30	Pass
NVNT	ANT2	802.11n(HT20)	5825.00	-0.497	-0.583	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5745.00	1.900	1.814	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5785.00	1.085	0.999	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5825.00	0.389	0.303	30	Pass
NVNT	ANT2	802.11n(HT40)	5755.00	-2.250	-2.336	30	Pass
NVNT	ANT2	802.11n(HT40)	5795.00	-3.439	-3.525	30	Pass
NVNT	ANT2	802.11ac(VHT40)	5755.00	-1.437	-1.523	30	Pass
NVNT	ANT2	802.11ac(VHT40)	5795.00	-3.561	-3.647	30	Pass
NVNT	ANT2	802.11ac(VHT80)	5775.00	-4.198	-4.284	30	Pass

Condition	Antenna	Modulation	Frequency (MHz)	PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
NVNT	MIMO	802.11n(HT20)	5745.00	4.39	29.96	Pass
NVNT	MIMO	802.11n(HT20)	5785.00	3.95	29.96	Pass
NVNT	MIMO	802.11n(HT20)	5825.00	2.50	29.96	Pass
NVNT	MIMO	802.11ac(VHT20)	5745.00	4.76	29.96	Pass
NVNT	MIMO	802.11ac(VHT20)	5785.00	4.22	29.96	Pass
NVNT	MIMO	802.11ac(VHT20)	5825.00	3.08	29.96	Pass
NVNT	MIMO	802.11n(HT40)	5755.00	1.03	29.96	Pass
NVNT	MIMO	802.11n(HT40)	5795.00	-0.31	29.96	Pass
NVNT	MIMO	802.11ac(VHT40)	5755.00	1.43	29.96	Pass
NVNT	MIMO	802.11ac(VHT40)	5795.00	-0.50	29.96	Pass
NVNT	MIMO	802.11ac(VHT80)	5775.00	-1.26	29.96	Pass

Note: MIMO limit=30-(6.04-6)=30-0.04=29.96

ANT1

Power Spectral Density 5_8GWiFi_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



Power Spectral Density 5_8WiFi 802_11ac(VHT80)_5775_80M



ANT2

Power Spectral Density 5_8WiFi 802_11a 5745_20M



Power Spectral Density 5_8WiFi 802_11a 5785_20M

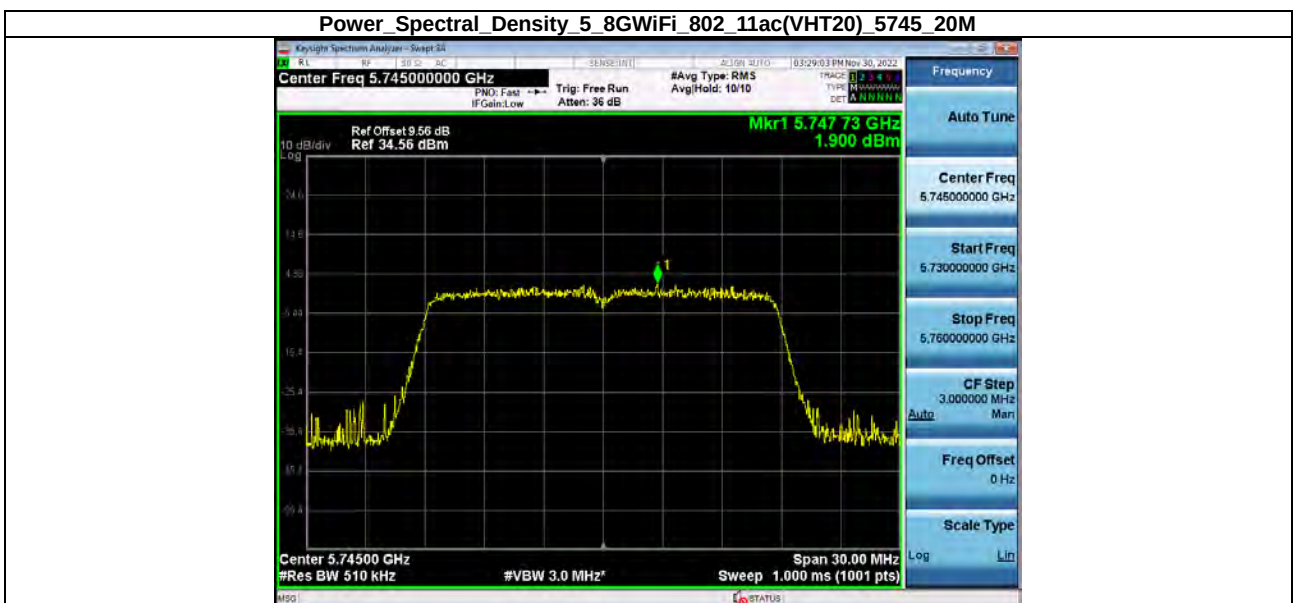
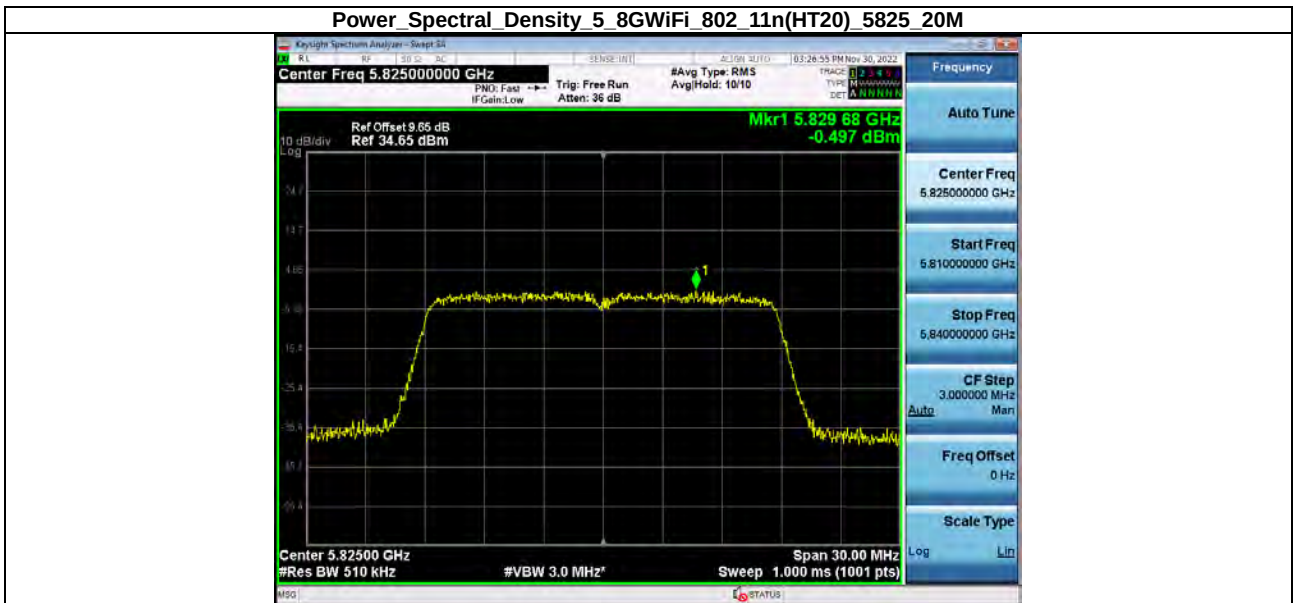


Power Spectral Density 5_8WiFi 802_11a 5825_20M



Power Spectral Density 5_8WiFi 802_11n(HT20) 5745_20M





Power_Spectral_Density_5_8WiFi_802_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

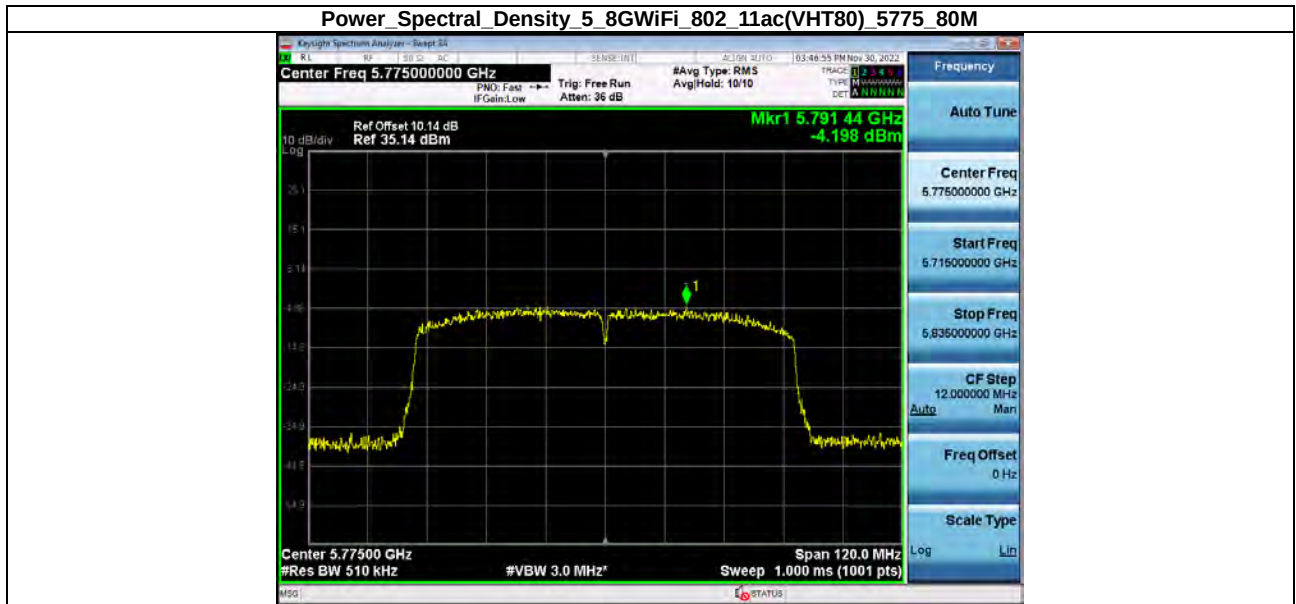


Power Spectral Density 5_8WiFi 802_11ac(VHT40) 5755_40M



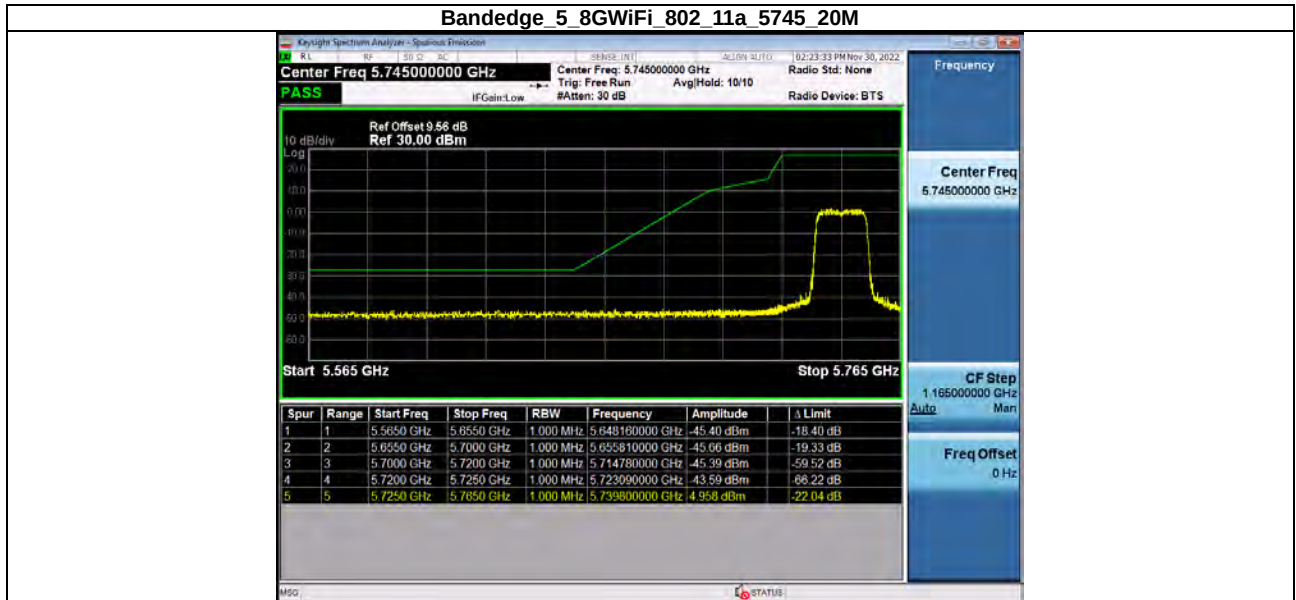
Power Spectral Density 5_8WiFi 802_11ac(VHT40) 5795_40M





4. Bandedge

ANT1



Bandedge_5_8WiFi 802_11a_5825_20M



Bandedge_5_8WiFi_802_11n(HT20)_5745_20M



Bandedge_5_8WiFi_802_11n(HT20)_5825_20M



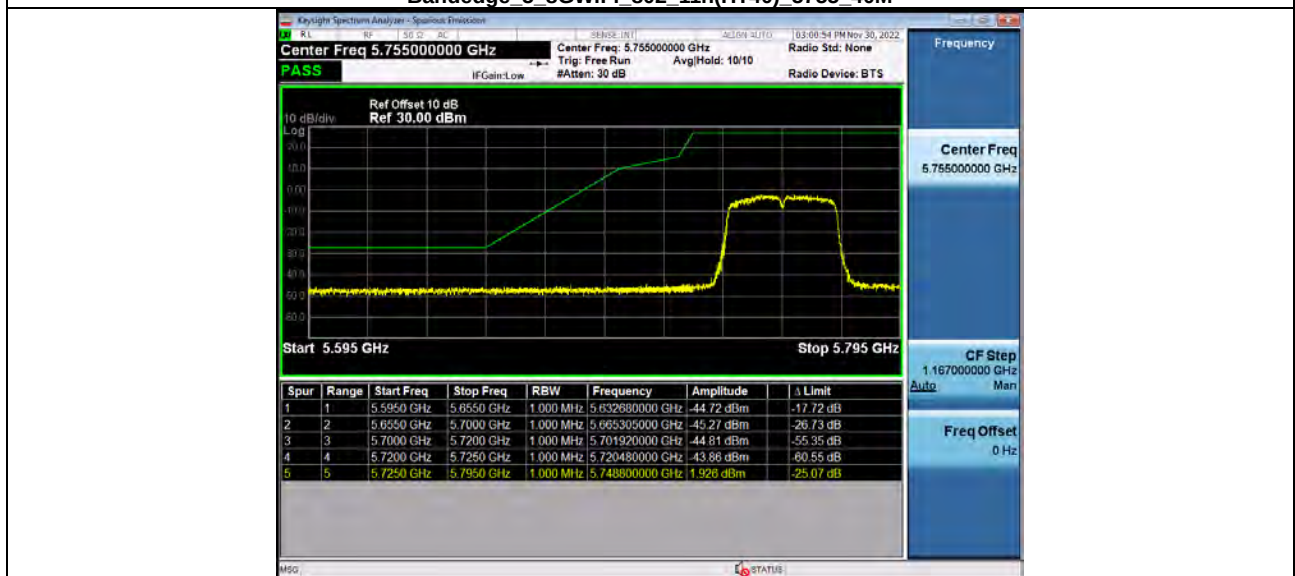
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Bandedge 5 8GWiFi 802_11ac(VHT20) 5825 20M



Bandedge 5 8GWiFi 802_11n(HT40) 5755 40M



Bandedge 5 8GWiFi 802_11n(HT40) 5795 40M



Bandedge_5_8WiFi_802_11ac(VHT40)_5755_40M



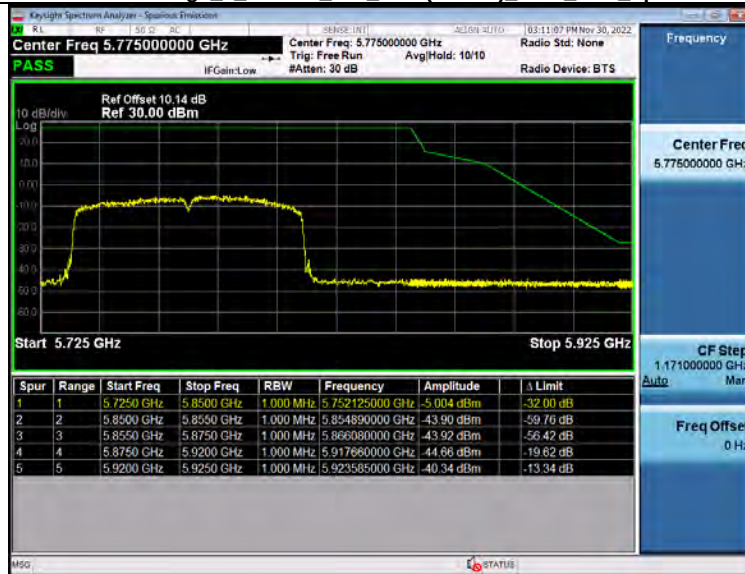
Bandedge_5_8WiFi_802_11ac(VHT40)_5795_40M



Bandedge_5_8WiFi_802_11ac(VHT80)_5775_80M_low

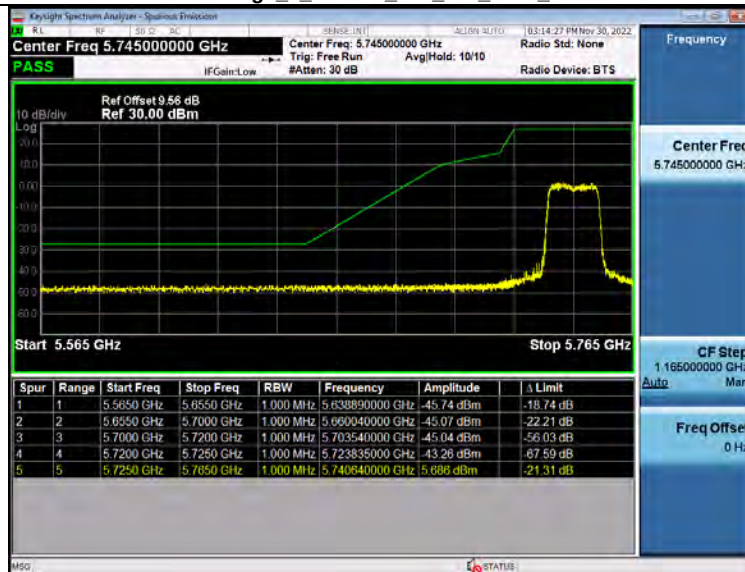


Bandedge 5 8GWiFi 802_11ac(VHT80) 5775 80M up



ANT2

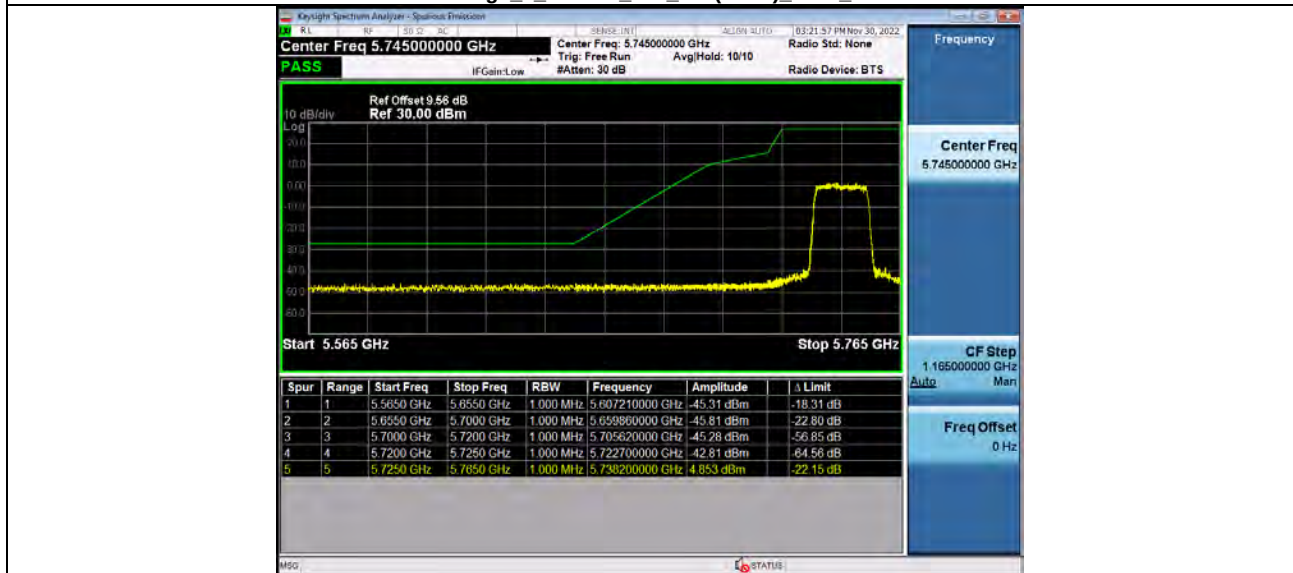
Bandedge 5 8GWiFi 802_11a 5745 20M



Bandedge 5 8GWiFi 802_11a 5825 20M



Bandedge_5_8WiFi_802_11n(HT20)_5745_20M



Bandedge_5_8WiFi_802_11n(HT20)_5825_20M



Bandedge_5_8WiFi_802_11ac(VHT20)_5745_20M



Bandedge_5_8WiFi_802_11ac(VHT20)_5825_20M



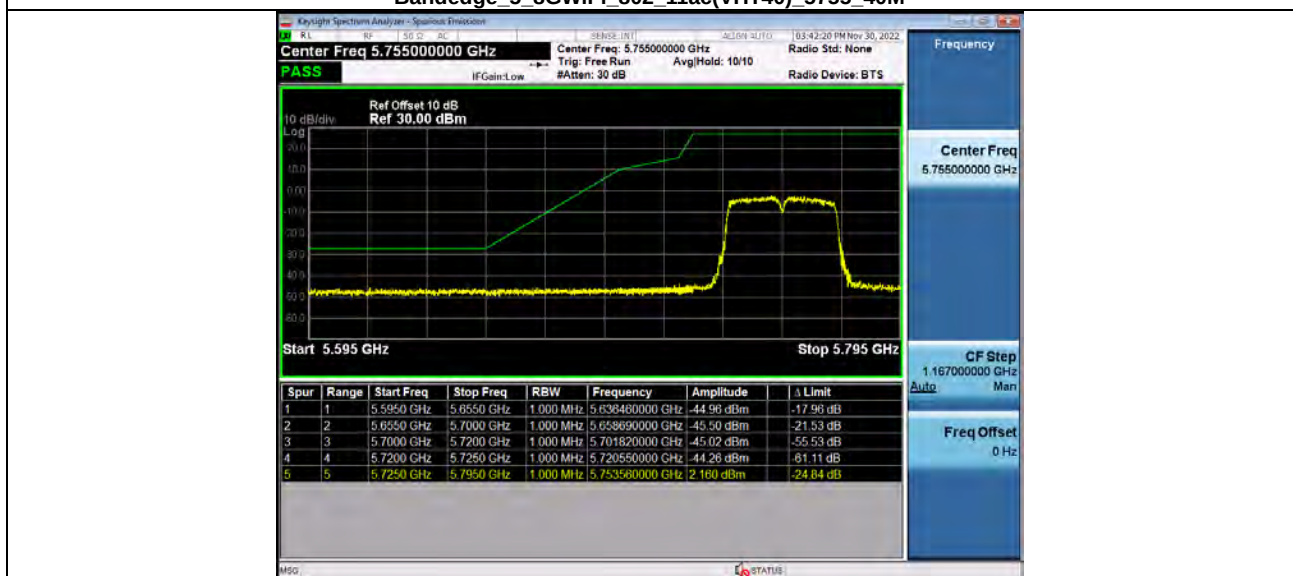
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Bandedge_5_8WiFi_802_11n(HT40)_5795_40M



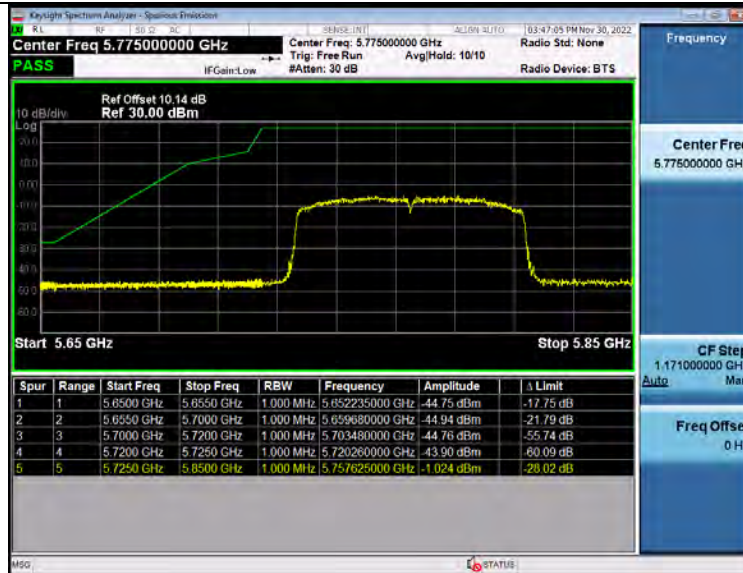
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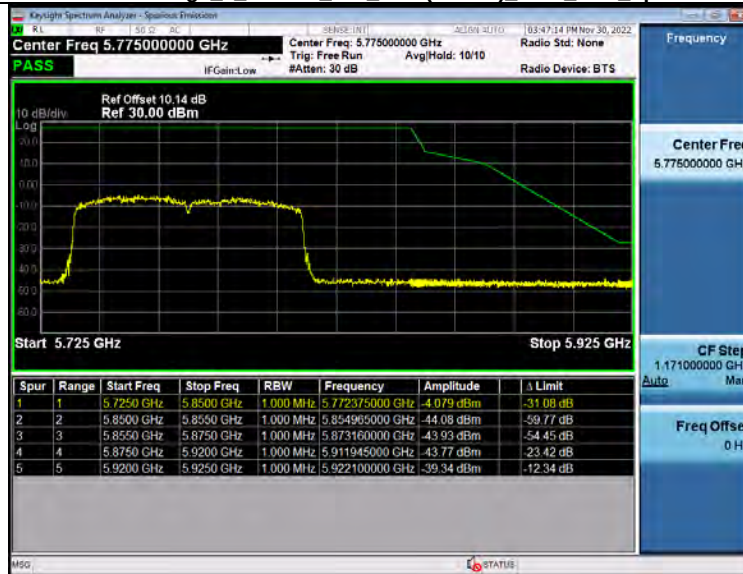
Bandedge_5_8WiFi_802_11ac(VHT40)_5795_40M



Bandedge_5_8WiFi_802_11ac(VHT80)_5775_80M_low



Bandedge 5 8GWiFi 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 *******