

2. Maximum Conducted Output Power

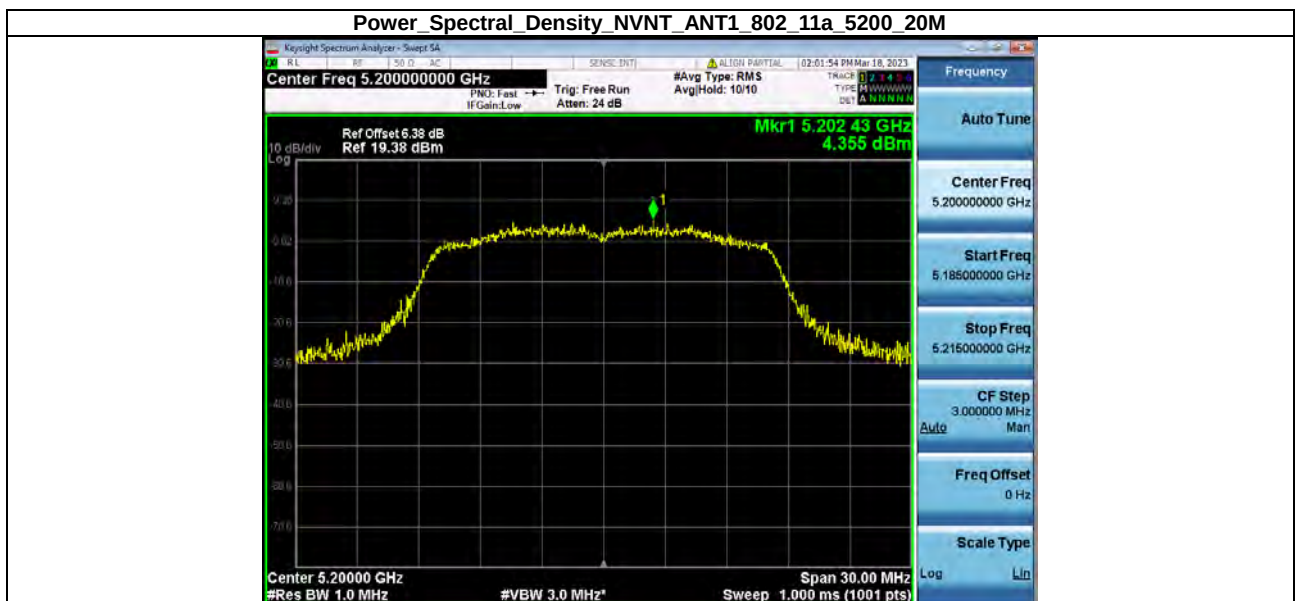
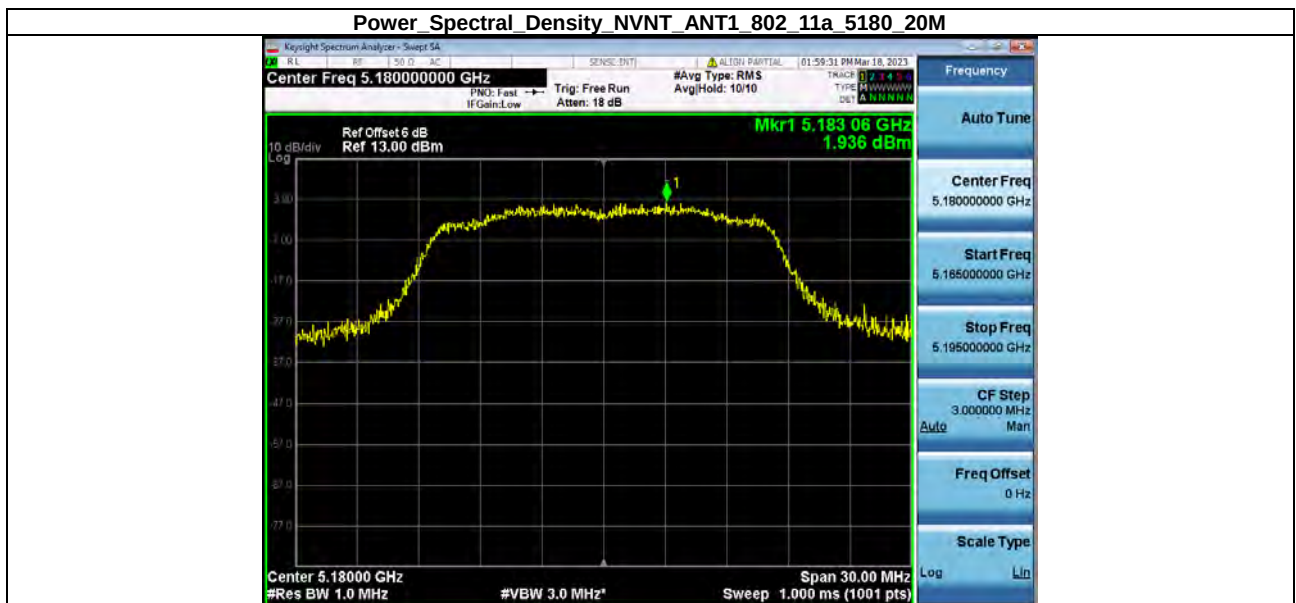
Condition	Modulation	Frequency (MHz)	Conducted Power(dBm)		limit(dBm)	Conducted Power(dBm) MIMO	MIMO limit(dBm)	Result
			ANT1	ANT2				
NVNT	802.11a	5180.00	5.16	5.27	23.98	/	/	Pass
NVNT	802.11a	5200.00	6.84	6.66	23.98	/	/	Pass
NVNT	802.11a	5240.00	5.43	4.57	23.98	/	/	Pass
NVNT	802.11n(HT20)	5180.00	5.27	4.97	23.98	8.13	23.51	Pass
NVNT	802.11n(HT20)	5200.00	6.58	6.26	23.98	9.43	23.51	Pass
NVNT	802.11n(HT20)	5240.00	5.13	4.66	23.98	7.91	23.51	Pass
NVNT	802.11ac(VHT20)	5180.00	5.04	5.65	23.98	8.37	23.51	Pass
NVNT	802.11ac(VHT20)	5200.00	6.39	6.44	23.98	9.43	23.51	Pass
NVNT	802.11ac(VHT20)	5240.00	5.25	4.39	23.98	7.85	23.51	Pass
NVNT	802.11n(HT40)	5190.00	2.52	2.95	23.98	5.75	23.51	Pass
NVNT	802.11n(HT40)	5230.00	2.50	1.81	23.98	5.18	23.51	Pass
NVNT	802.11ac(VHT40)	5190.00	2.97	2.86	23.98	5.93	23.51	Pass
NVNT	802.11ac(VHT40)	5230.00	2.50	1.70	23.98	5.13	23.51	Pass
NVNT	802.11ac(VHT80)	5210.00	1.45	0.99	23.98	4.24	23.51	Pass

Note: MIMO limit=limit-(MIMO gain-6)=23.98-(6.47-6)=23.51dBm

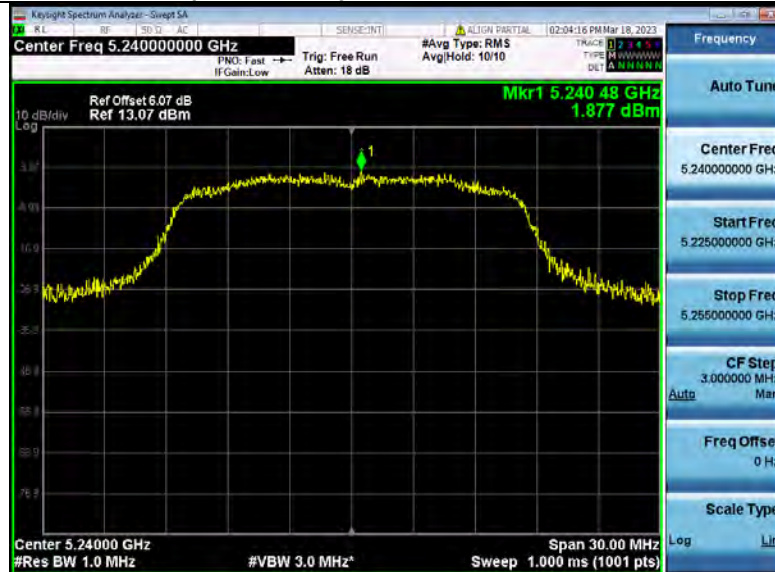
3. Power Spectral Density

Condition	Modulation	Frequency (MHz)	PSD(dBm/MHz)		Limit (dBm/MHz)	MIMO PSD (dBm/MHz)	MIMO PSD limit (dBm/MHz)	Result
			ANT1	ANT2				
NVNT	802.11a	5180.00	1.936	1.880	11.00	/	/	Pass
NVNT	802.11a	5200.00	4.355	3.409	11.00	/	/	Pass
NVNT	802.11a	5240.00	1.877	1.517	11.00	/	/	Pass
NVNT	802.11n(HT20)	5180.00	2.486	1.874	11.00	5.20	10.53	Pass
NVNT	802.11n(HT20)	5200.00	3.441	2.553	11.00	6.03	10.53	Pass
NVNT	802.11n(HT20)	5240.00	1.480	0.969	11.00	4.24	10.53	Pass
NVNT	802.11ac(VHT20)	5180.00	2.081	3.009	11.00	5.58	10.53	Pass
NVNT	802.11ac(VHT20)	5200.00	4.088	3.351	11.00	6.75	10.53	Pass
NVNT	802.11ac(VHT20)	5240.00	2.428	1.615	11.00	5.05	10.53	Pass
NVNT	802.11n(HT40)	5190.00	-2.761	-3.144	11.00	0.06	10.53	Pass
NVNT	802.11n(HT40)	5230.00	-3.258	-4.267	11.00	-0.72	10.53	Pass
NVNT	802.11ac(VHT40)	5190.00	-2.919	-3.291	11.00	-0.09	10.53	Pass
NVNT	802.11ac(VHT40)	5230.00	-4.233	-4.615	11.00	-1.41	10.53	Pass
NVNT	802.11ac(VHT80)	5210.00	-9.497	-9.601	11.00	-6.54	10.53	Pass

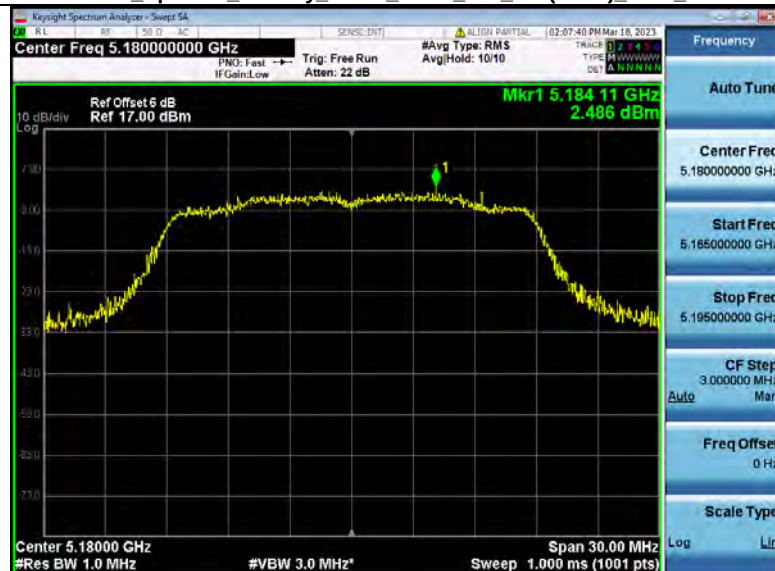
Note: MIMO limit=limit-(MIMO gain-6)=11-(6.47-6)= 10.53 dBm/MHz



Power Spectral Density NVNT_ANT1_802_11a_5240_20M



Power Spectral Density NVNT_ANT1_802_11n(HT20)_5180_20M



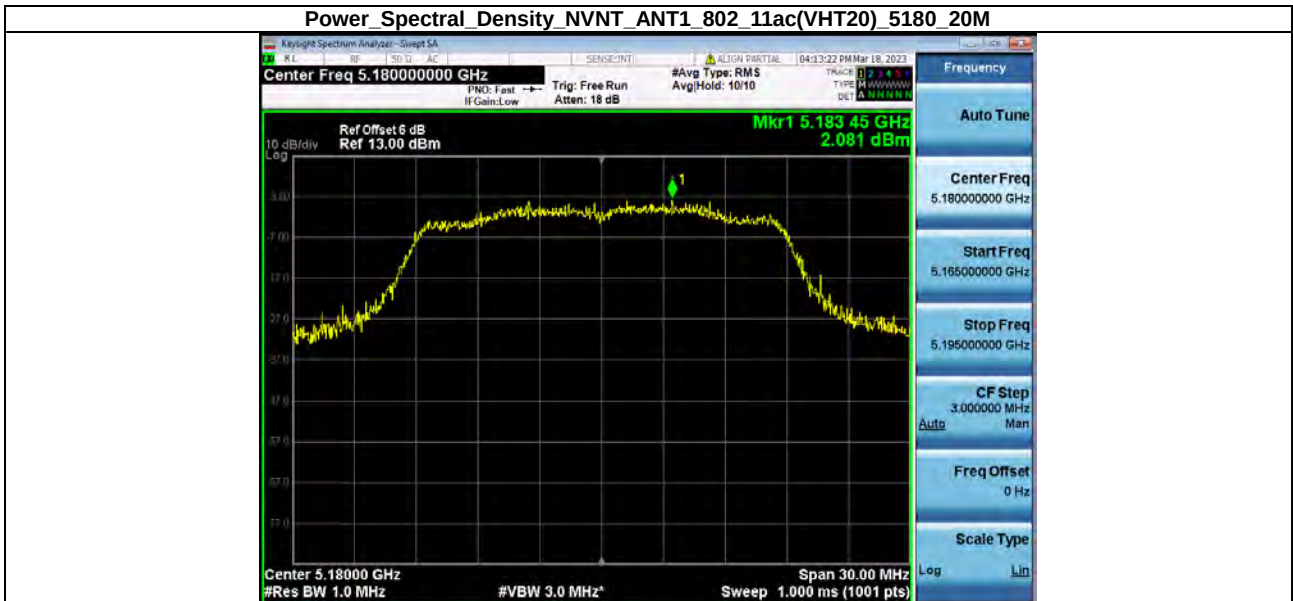
Power Spectral Density NVNT_ANT1_802_11n(HT20)_5200_20M



Power Spectral Density NVNT ANT1 802 11n(HT20) 5240 20M



Power Spectral Density NVNT ANT1 802 11ac(VHT20) 5180 20M



Power Spectral Density NVNT ANT1 802 11ac(VHT20) 5200 20M



Power Spectral Density NVNT_ANT1_802_11ac(VHT20)_5240_20M



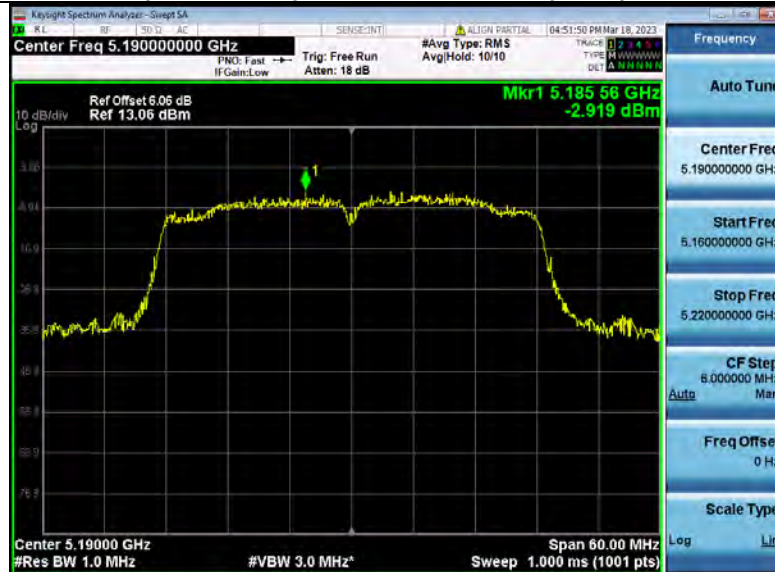
Power Spectral Density NVNT_ANT1_802_11n(HT40)_5190_40M



Power Spectral Density NVNT_ANT1_802_11n(HT40)_5230_40M



Power Spectral Density NVNT ANT1 802_11ac(VHT40) 5190_40M

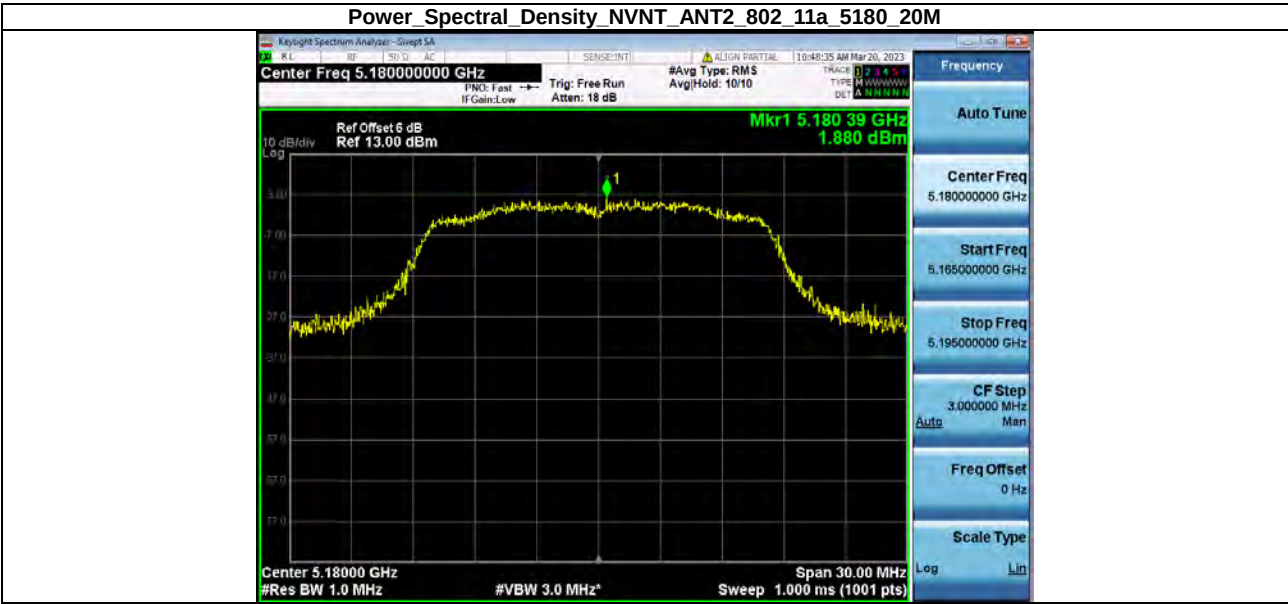


Power Spectral Density NVNT ANT1 802_11ac(VHT40) 5230_40M



Power Spectral Density NVNT ANT1 802_11ac(VHT80) 5210_80M





Power Spectral Density NVNT_ANT2_802_11a_5240_20M



Power Spectral Density NVNT_ANT2_802_11n(HT20)_5180_20M



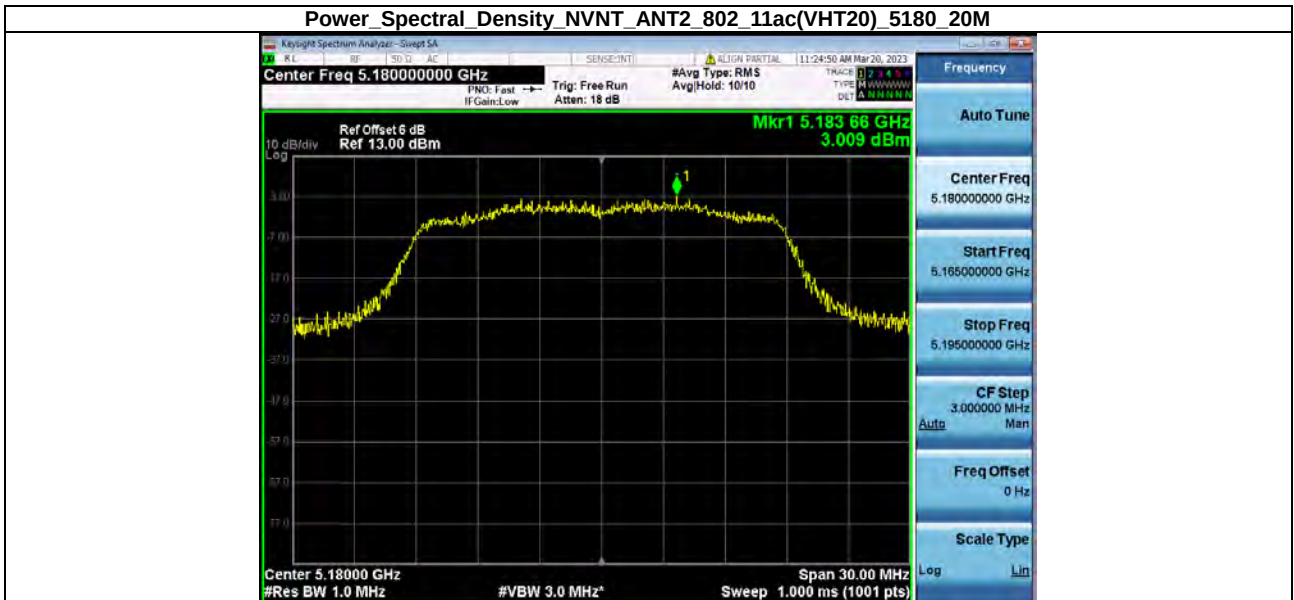
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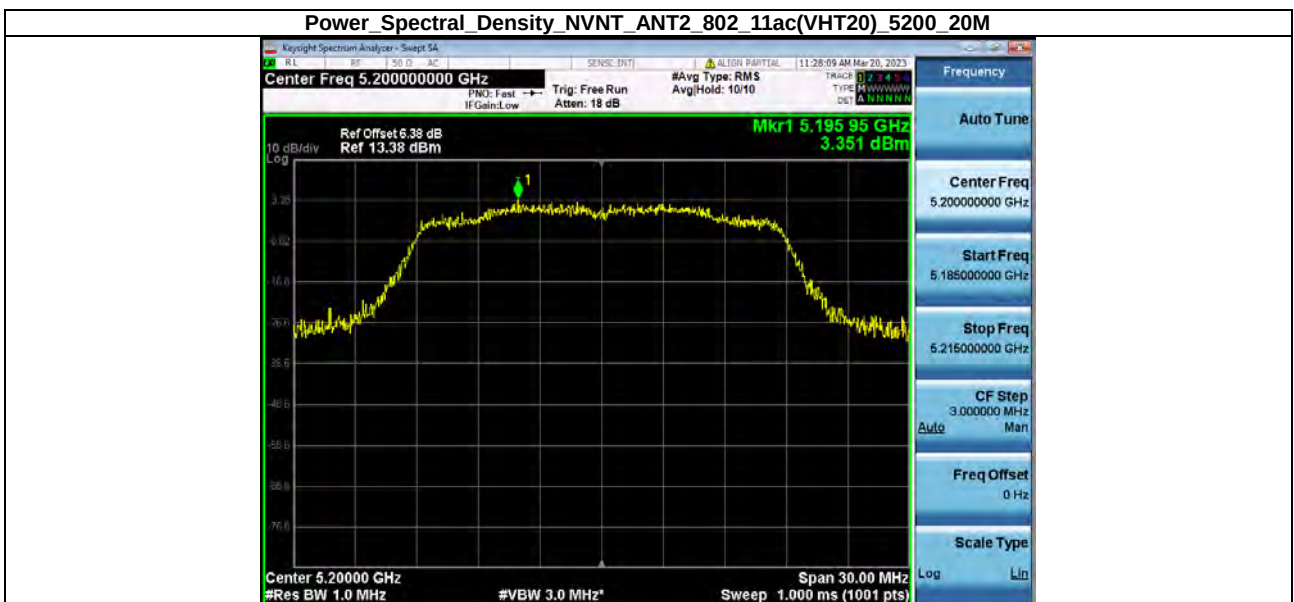
Power Spectral Density NVNT_ANT2_802_11n(HT20)_5240_20M



Power Spectral Density NVNT_ANT2_802_11ac(VHT20)_5180_20M



Power Spectral Density NVNT_ANT2_802_11ac(VHT20)_5200_20M



Power Spectral Density NVNT_ANT2_802_11ac(VHT20)_5240_20M



Power Spectral Density NVNT_ANT2_802_11n(HT40)_5190_40M



Power Spectral Density NVNT_ANT2_802_11n(HT40)_5230_40M



Power Spectral Density NVNT ANT2 802 11ac(VHT40) 5190_40M



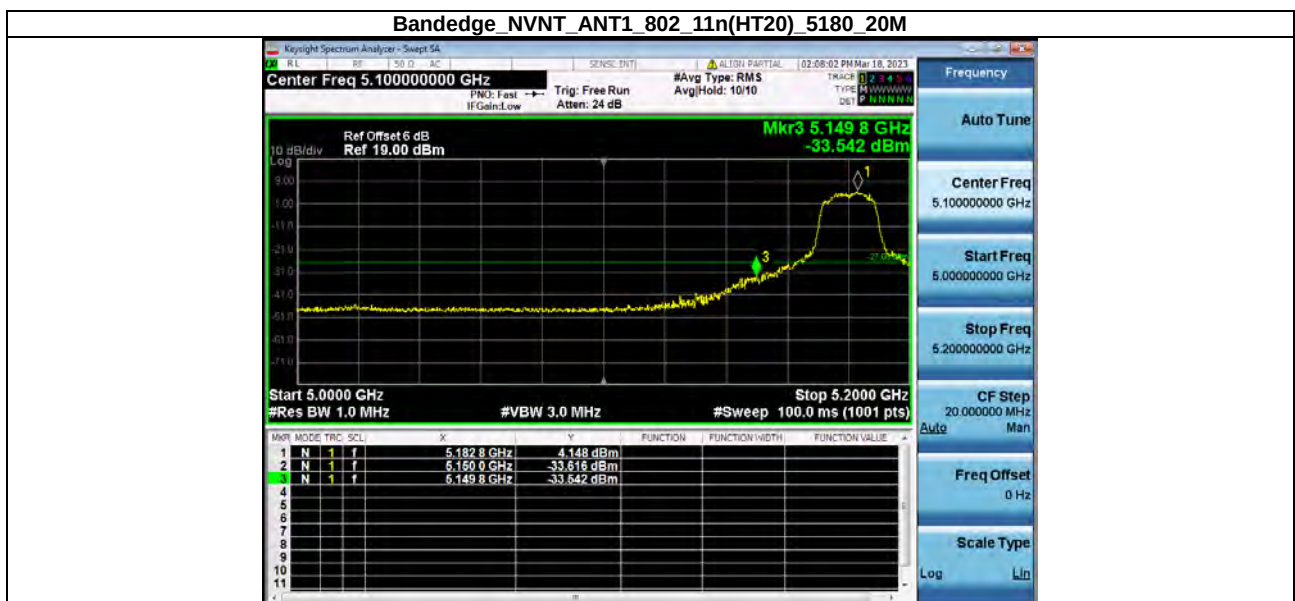
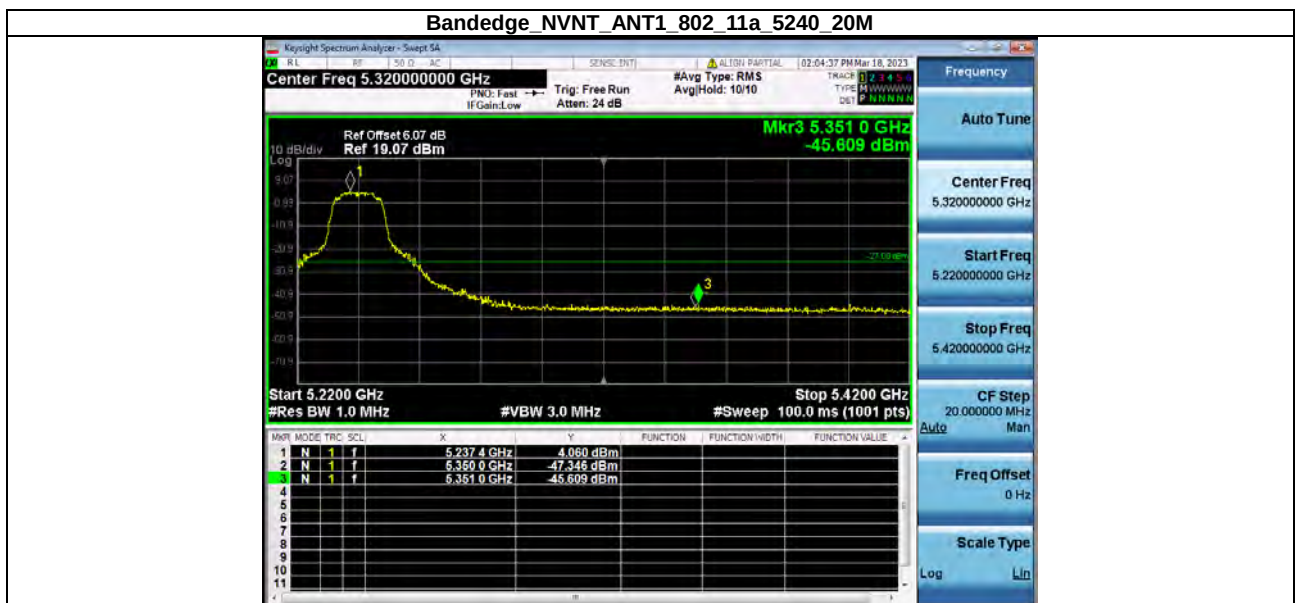
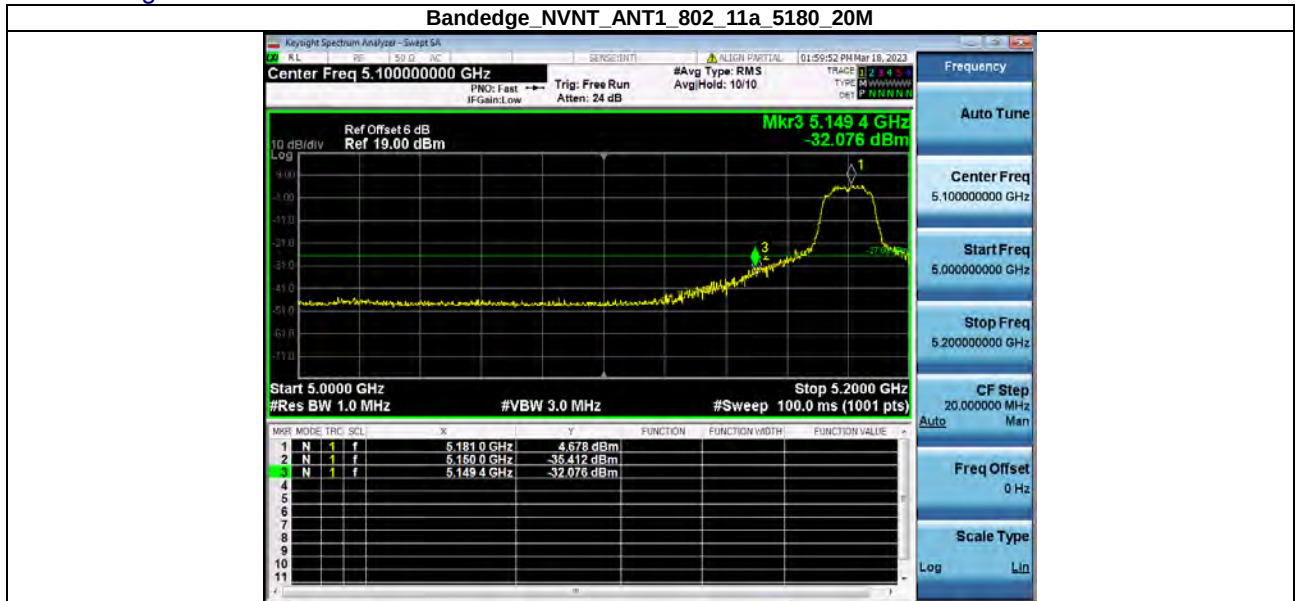
Power Spectral Density NVNT ANT2 802 11ac(VHT40) 5230_40M



Power Spectral Density NVNT ANT2 802 11ac(VHT80) 5210_80M



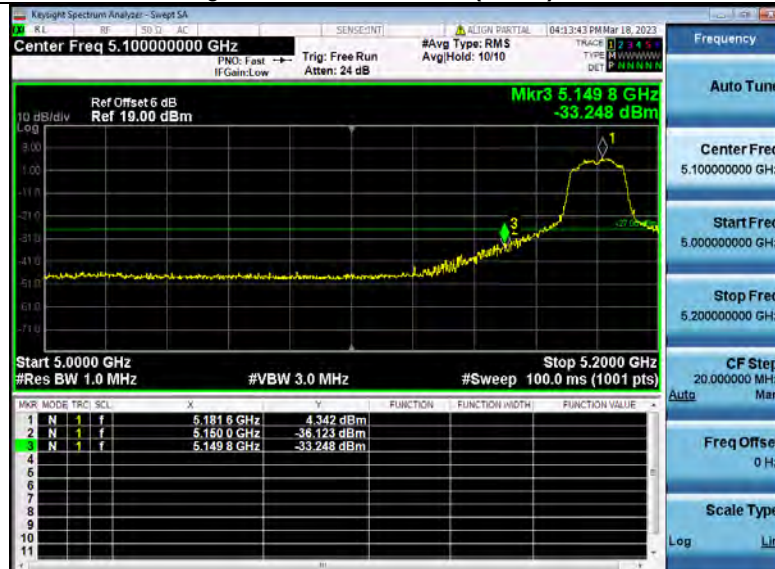
4. Bandedge



Bandedge_NVNT_ANT1_802_11n(HT20)_5240_20M



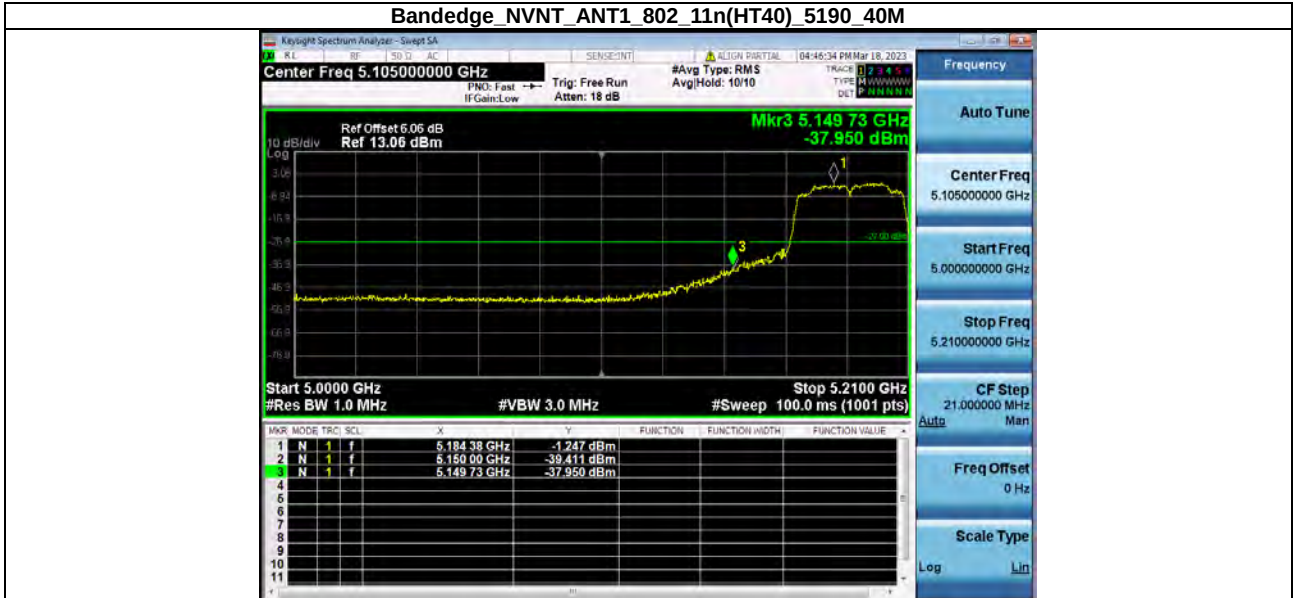
Bandedge_NVNT_ANT1_802_11ac(VHT20)_5180_20M



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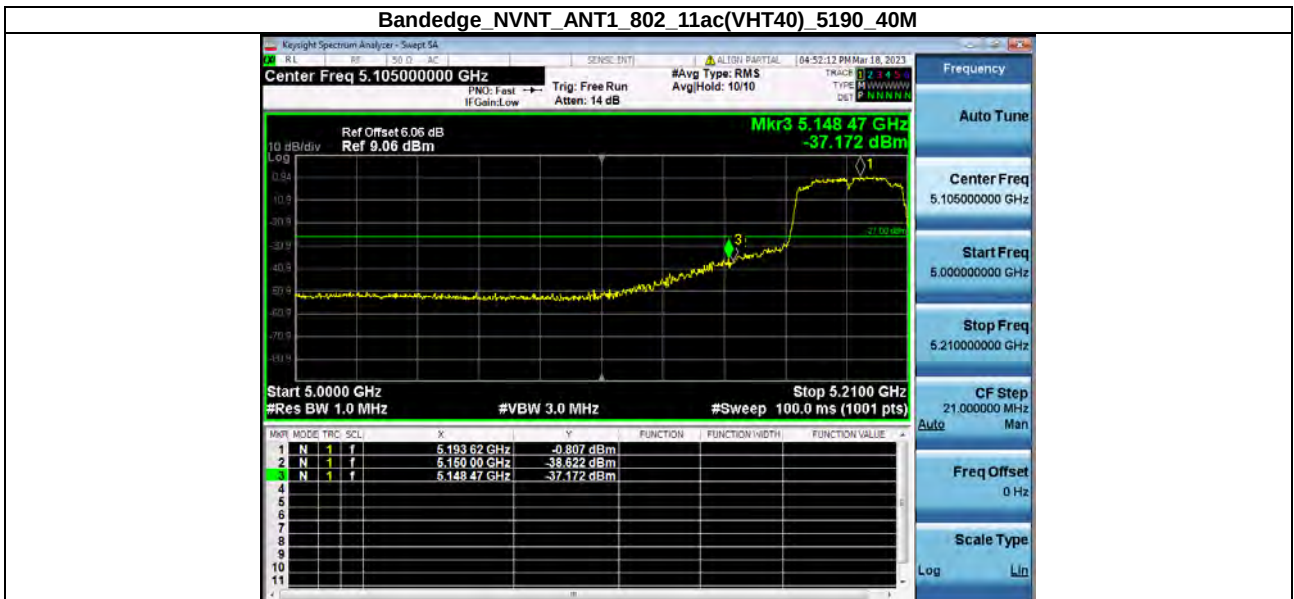
Bandedge_NVNT_ANT1_802_11n(HT40)_5190_40M



Bandedge_NVNT_ANT1_802_11n(HT40)_5230_40M



Bandedge_NVNT_ANT1_802_11ac(VHT40)_5190_40M



Bandedge_NVNT_ANT1_802_11ac(VHT40) 5230 40M



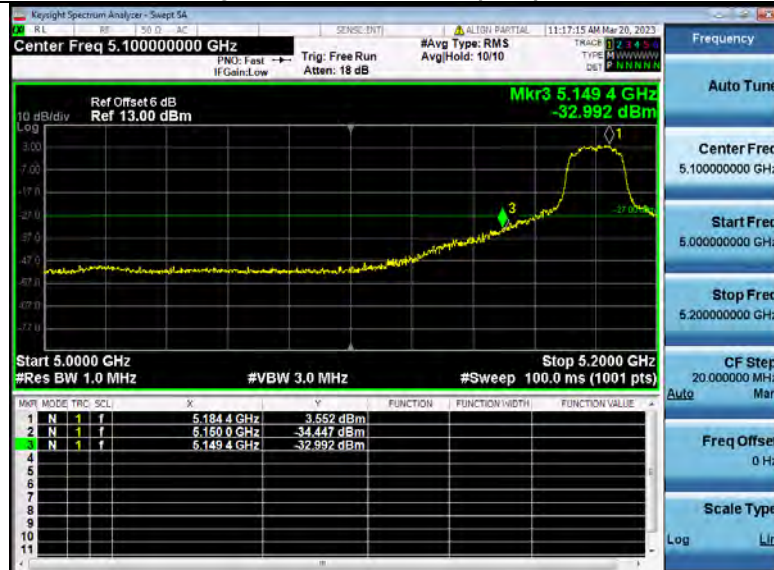
Bandedge_NVNT_ANT2_802_11a 5180 20M



Bandedge_NVNT_ANT2_802_11a 5240 20M



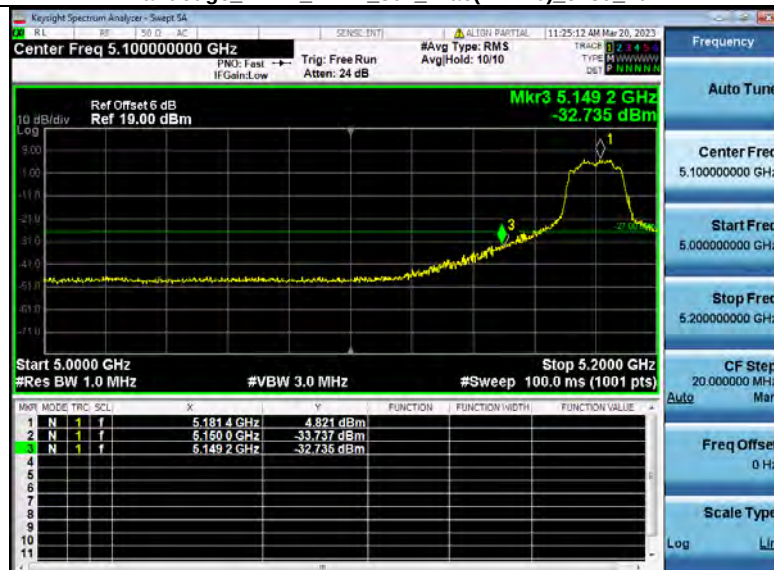
Bandedge_NVNT_ANT2_802_11n(HT20)_5180_20M



Bandedge_NVNT_ANT2_802_11n(HT20)_5240_20M



Bandedge_NVNT_ANT2_802_11ac(VHT20)_5180_20M



Bandedge_NVNT_ANT2_802_11ac(VHT20) 5240_20M



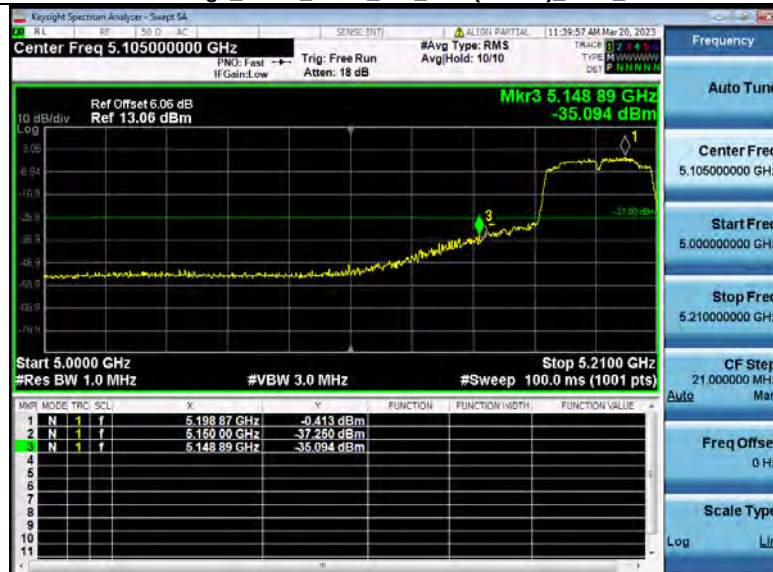
Bandedge_NVNT_ANT2_802_11n(HT40) 5190_40M



Bandedge_NVNT_ANT2_802_11n(HT40) 5230_40M



Bandedge_NVNT_ANT2_802_11ac(VHT40) 5190_40M



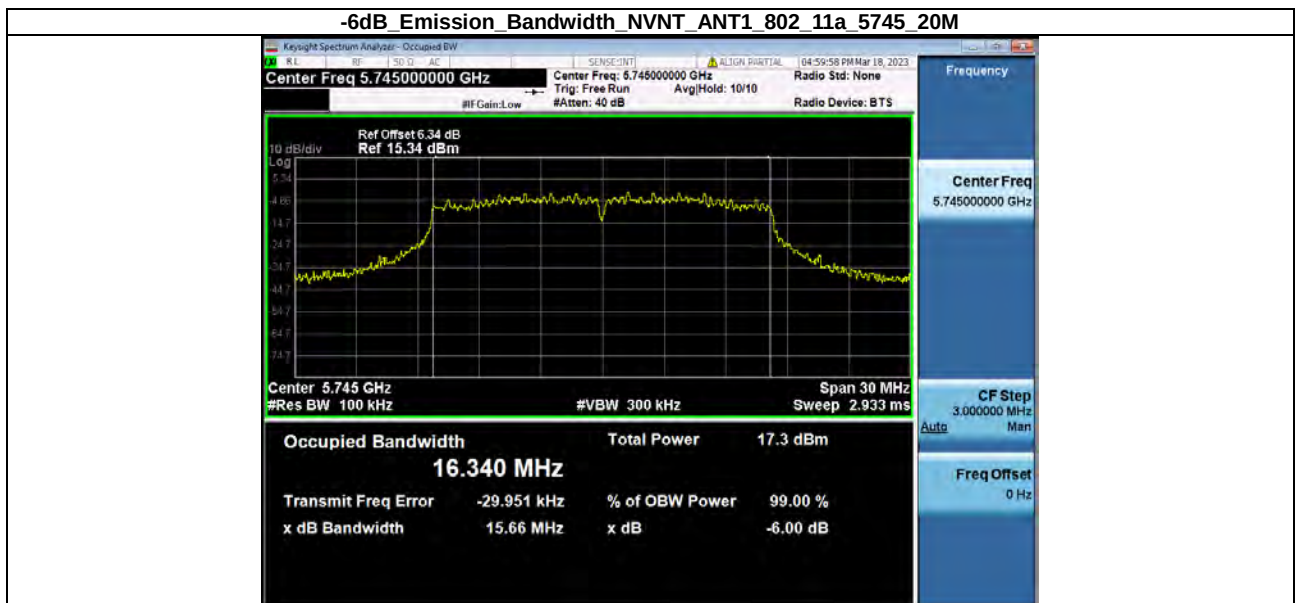
Bandedge_NVNT_ANT2_802_11ac(VHT40) 5230_40M



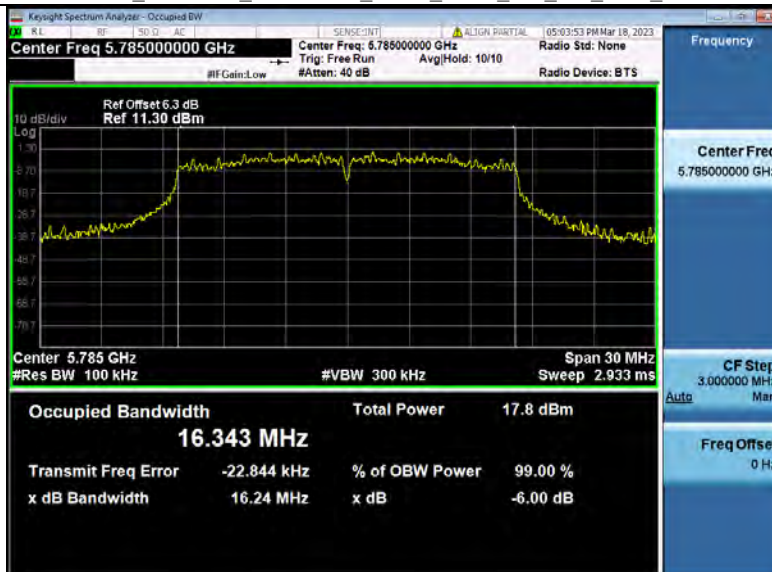
12.APPENDIX1---5.8GWIFI**1. -6dB Emission Bandwidth**

Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	LCH	5745	15.66	0.500	Pass
NVNT	ANT1	MCH	5785	16.24	0.500	Pass
NVNT	ANT1	HCH	5825	16.03	0.500	Pass
NVNT	ANT1	LCH	5745	16.64	0.500	Pass
NVNT	ANT1	MCH	5785	16.02	0.500	Pass
NVNT	ANT1	HCH	5825	16.48	0.500	Pass
NVNT	ANT1	LCH	5745	17.23	0.500	Pass
NVNT	ANT1	MCH	5785	16.58	0.500	Pass
NVNT	ANT1	HCH	5825	15.42	0.500	Pass
NVNT	ANT1	LCH	5755	35.71	0.500	Pass
NVNT	ANT1	HCH	5795	35.18	0.500	Pass
NVNT	ANT1	LCH	5755	35.20	0.500	Pass
NVNT	ANT1	HCH	5795	36.31	0.500	Pass
NVNT	ANT1	MCH	5775	75.27	0.500	Pass

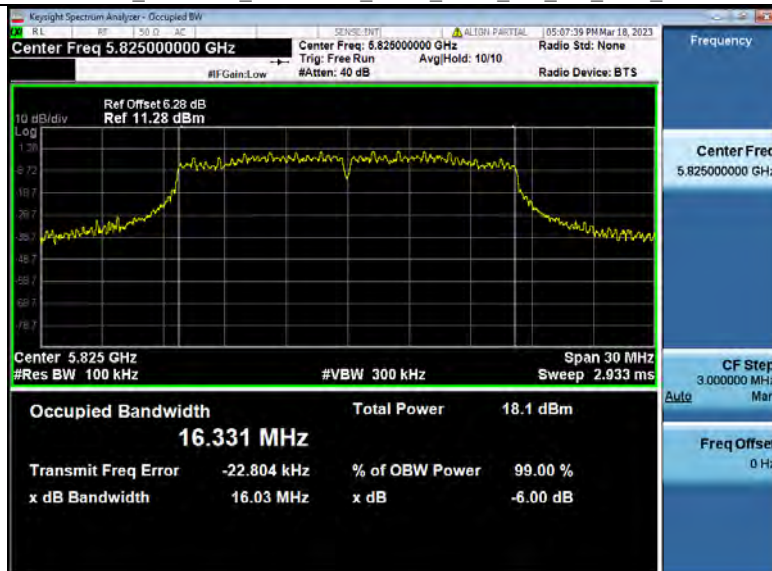
Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT2	LCH	5745.00	16.04	0.500	Pass
NVNT	ANT2	MCH	5785.00	15.50	0.500	Pass
NVNT	ANT2	HCH	5825.00	16.24	0.500	Pass
NVNT	ANT2	LCH	5745.00	16.31	0.500	Pass
NVNT	ANT2	MCH	5785.00	17.05	0.500	Pass
NVNT	ANT2	HCH	5825.00	16.34	0.500	Pass
NVNT	ANT2	LCH	5745.00	16.03	0.500	Pass
NVNT	ANT2	MCH	5785.00	16.91	0.500	Pass
NVNT	ANT2	HCH	5825.00	16.99	0.500	Pass
NVNT	ANT2	LCH	5755.00	35.19	0.500	Pass
NVNT	ANT2	HCH	5795.00	35.73	0.500	Pass
NVNT	ANT2	LCH	5755.00	35.76	0.500	Pass
NVNT	ANT2	HCH	5795.00	35.19	0.500	Pass
NVNT	ANT2	MCH	5775.00	75.80	0.500	Pass



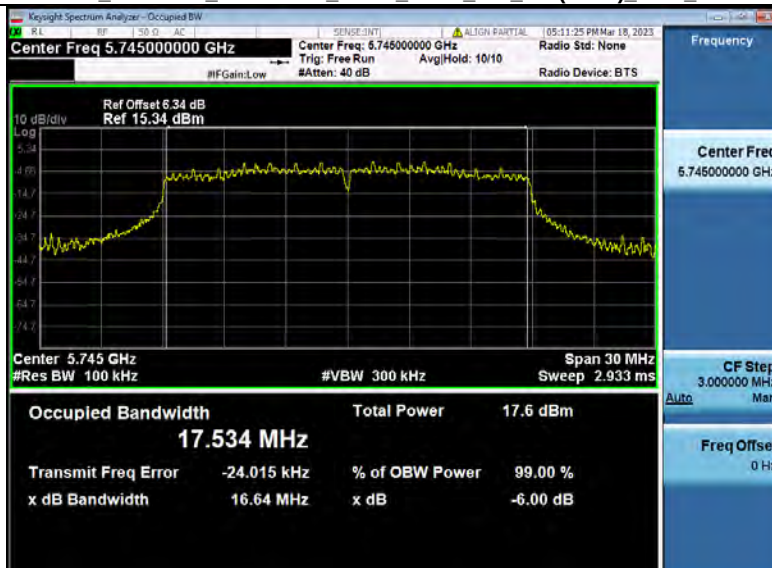
-6dB Emission Bandwidth NVNT_ANT1_802_11a_5785_20M



-6dB Emission Bandwidth NVNT_ANT1_802_11a_5825_20M



-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT20)_5745_20M



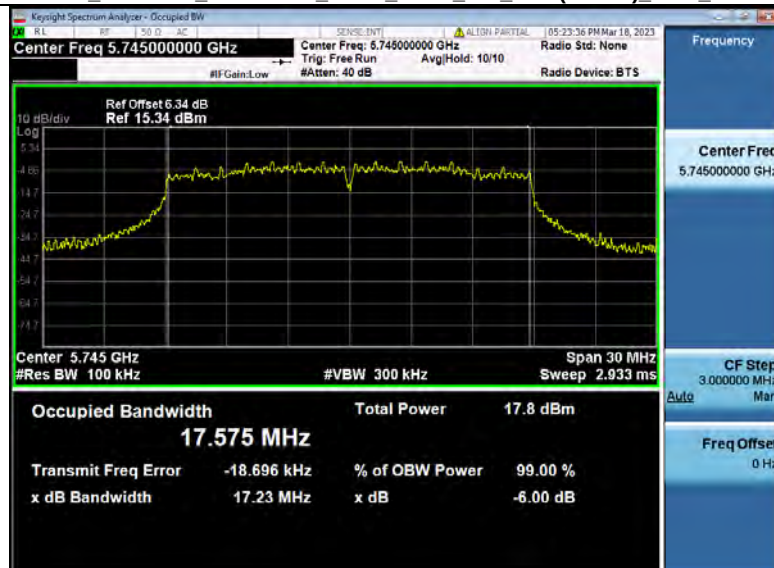
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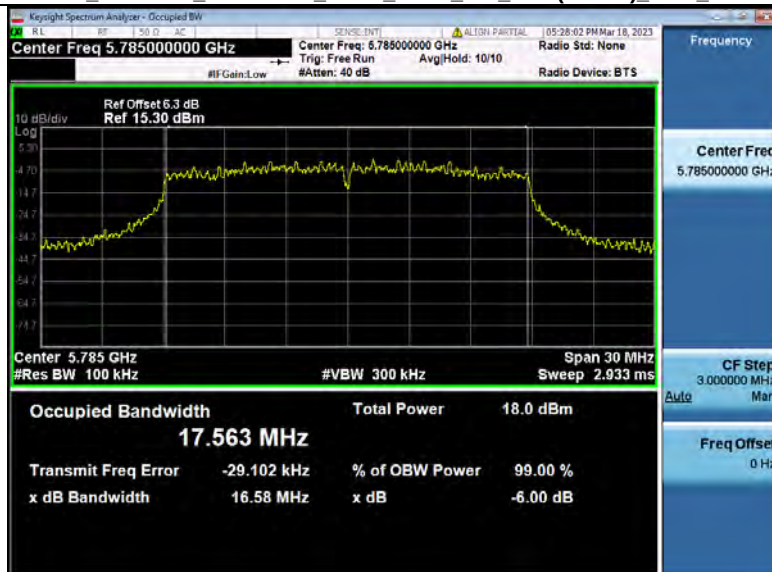
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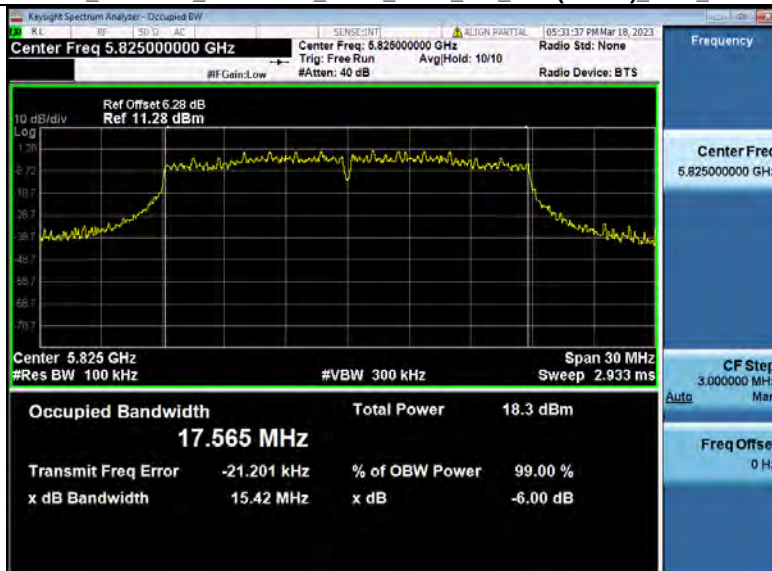
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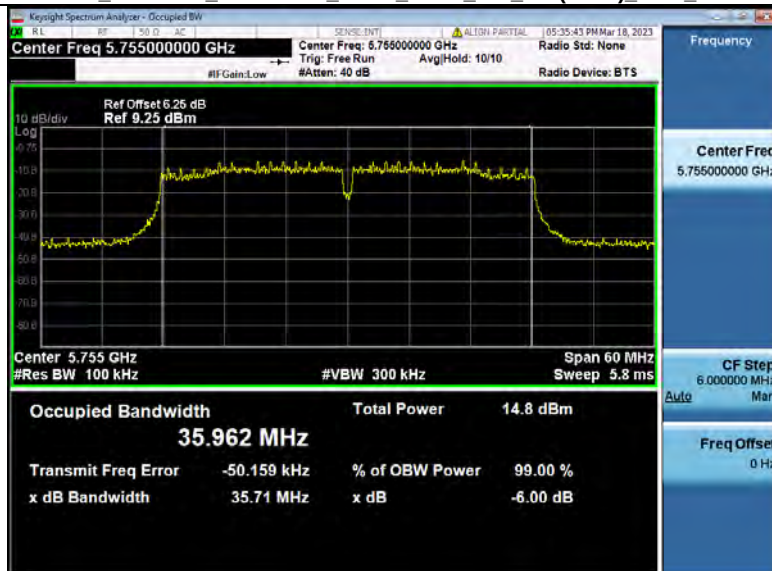
-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT20)_5785_20M



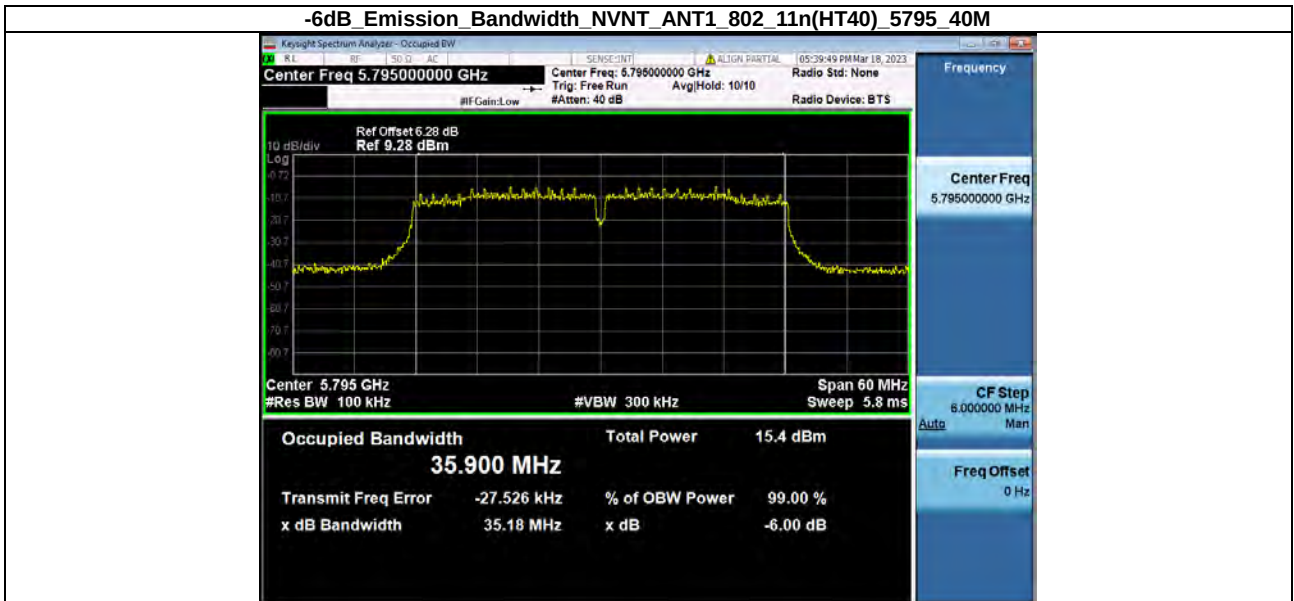
-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT20)_5825_20M



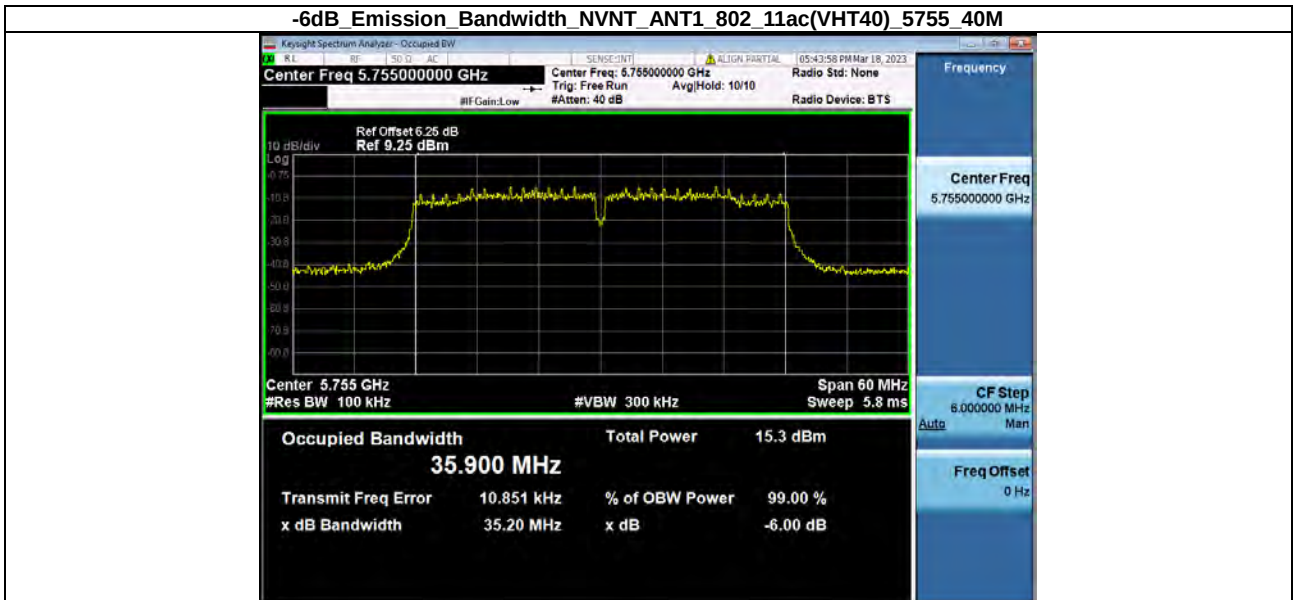
-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT40)_5755_40M



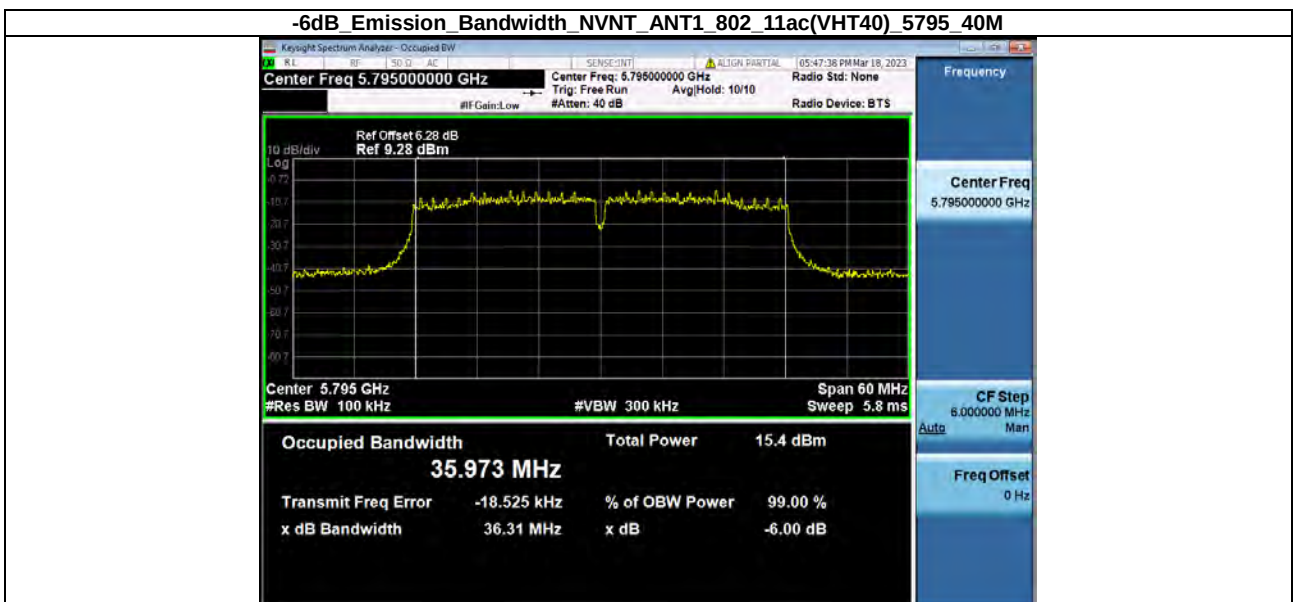
-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT40)_5795_40M



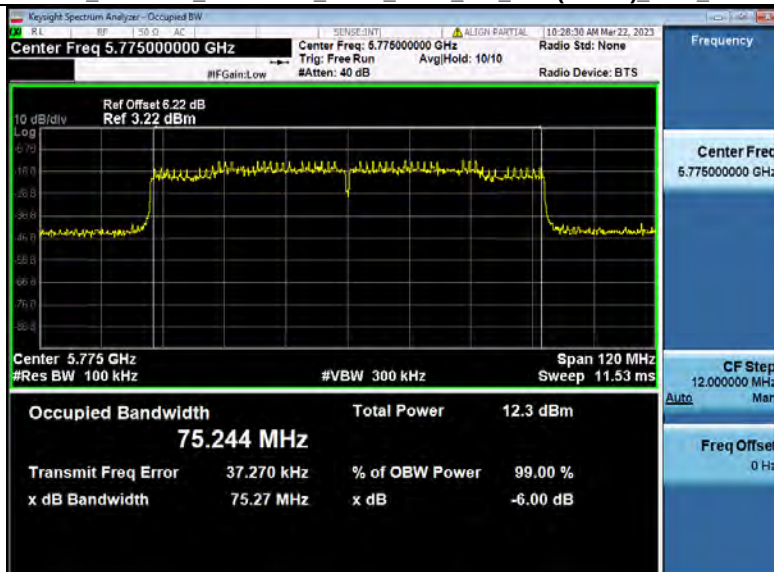
-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT40)_5755_40M



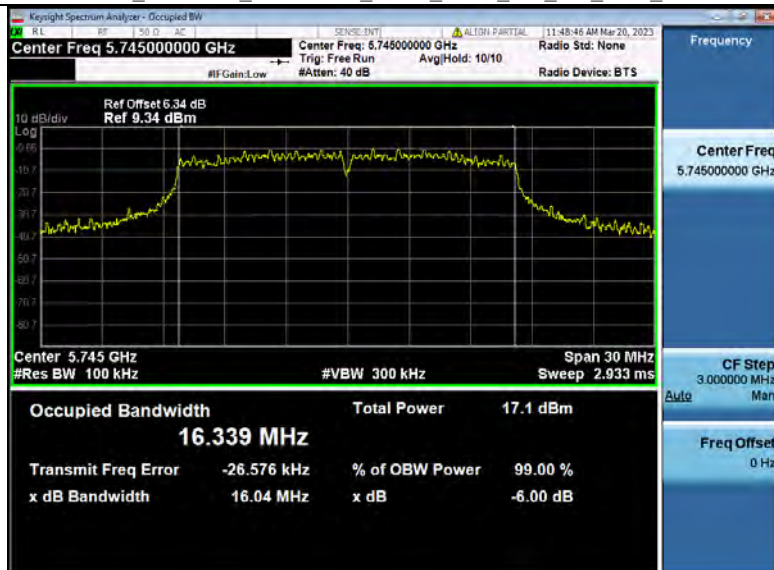
-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT40)_5795_40M



-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT80)_5775_80M



-6dB Emission Bandwidth NVNT_ANT2_802_11a_5745_20M



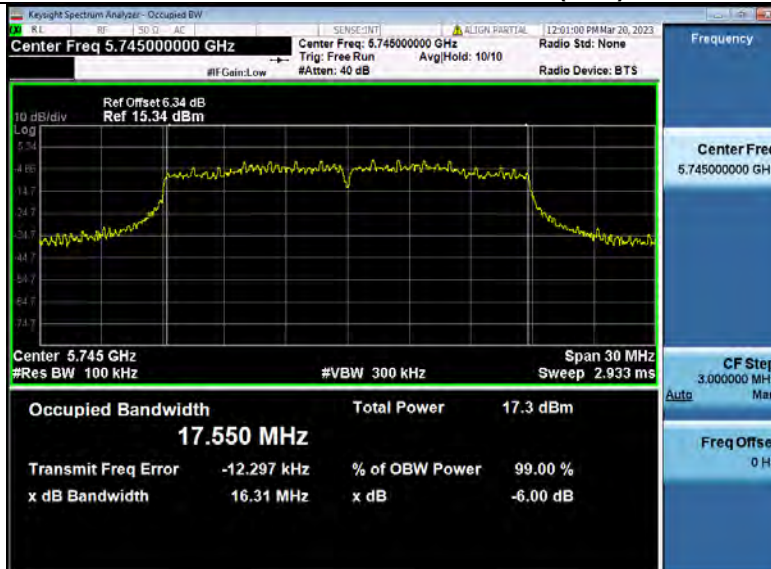
-6dB Emission Bandwidth NVNT_ANT2_802_11a_5785_20M



-6dB Emission Bandwidth NVNT_ANT2_802_11a_5825_20M



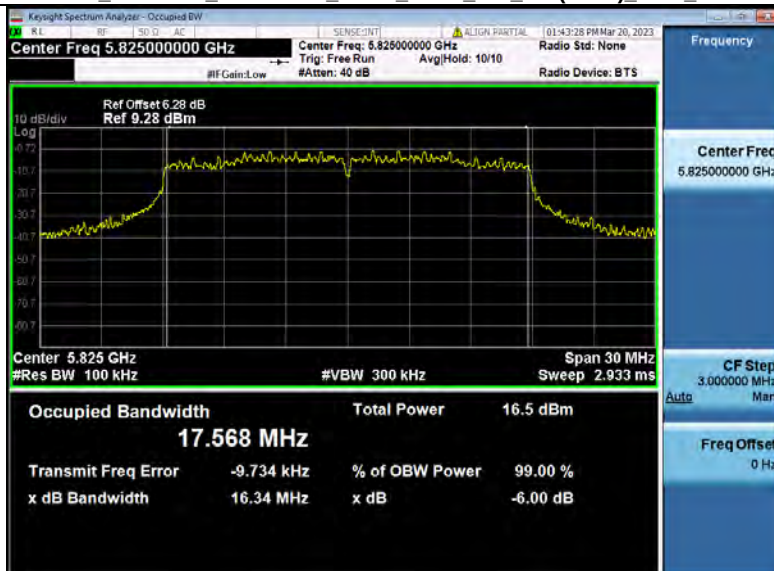
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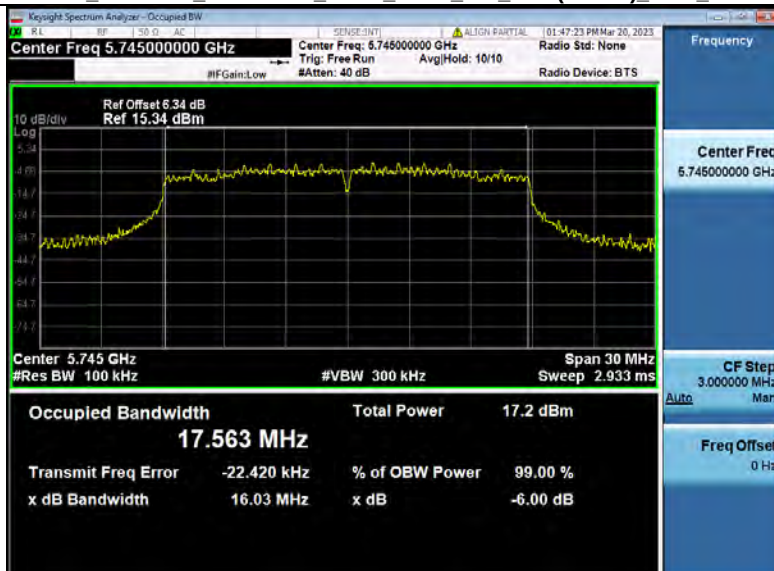
-6dB Emission Bandwidth NVNT_ANT2_802_11n(HT20)_5785_20M



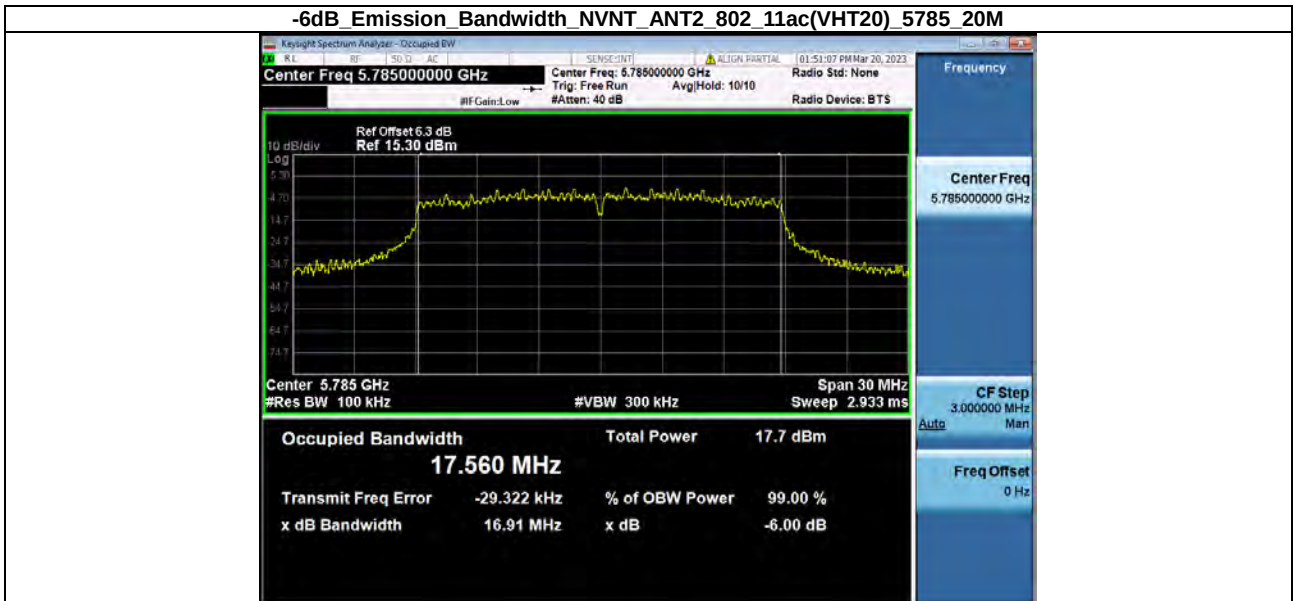
-6dB Emission Bandwidth NVNT_ANT2_802_11n(HT20)_5825_20M



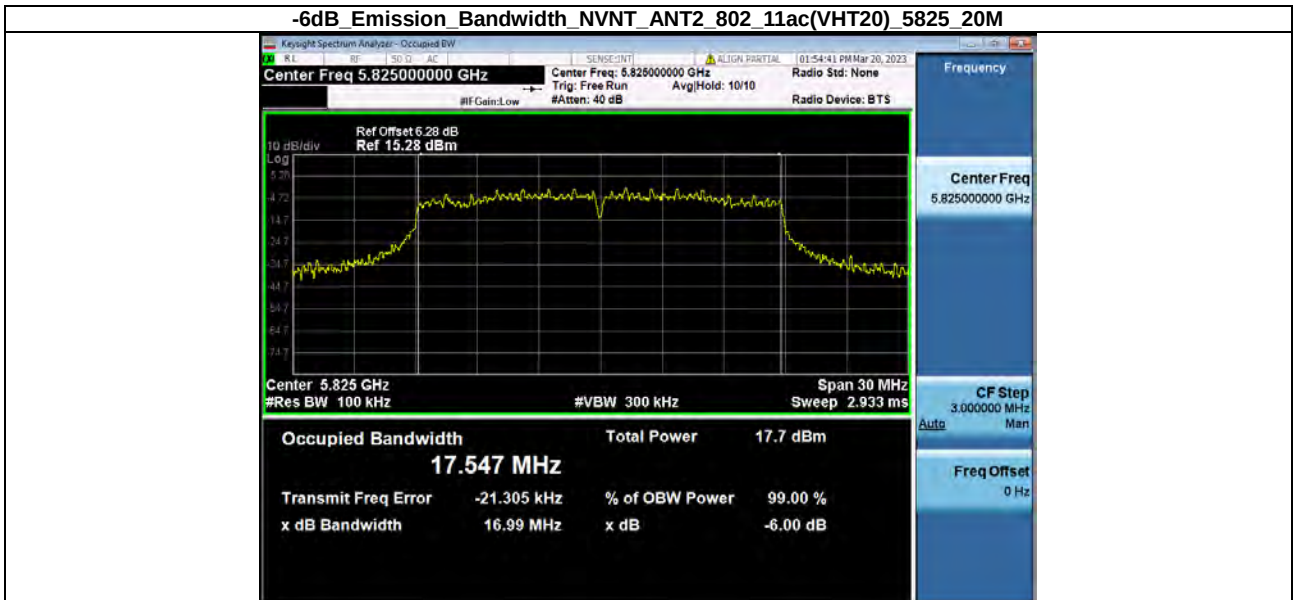
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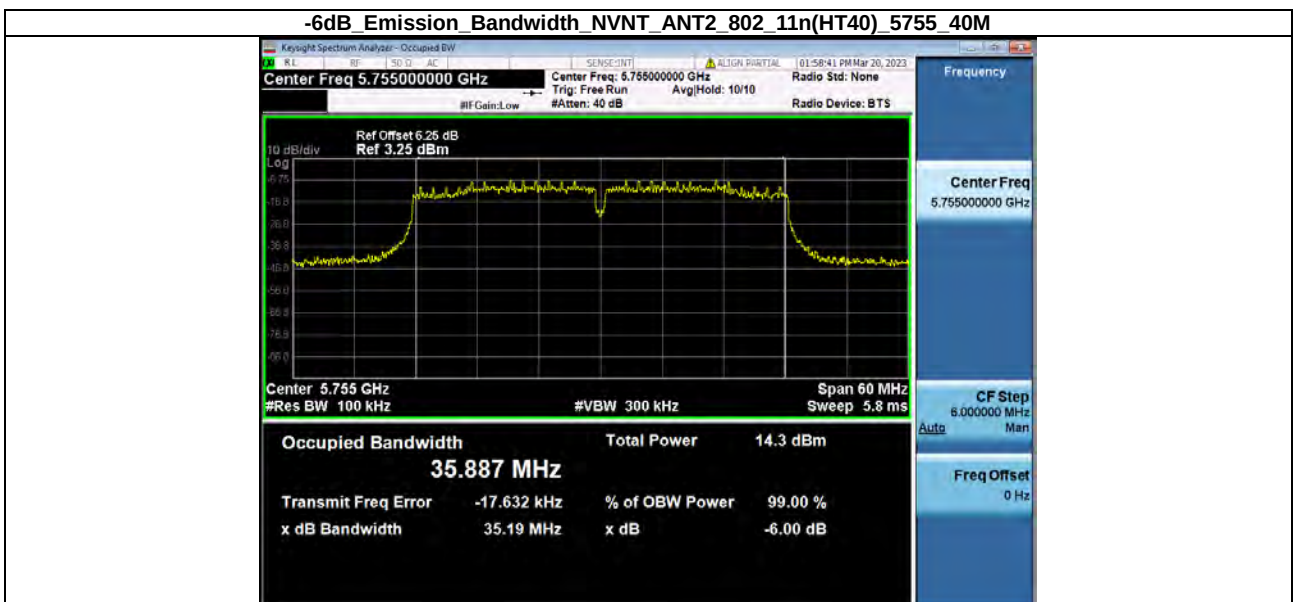
-6dB Emission Bandwidth NVNT_ANT2_802_11ac(VHT20)_5785_20M



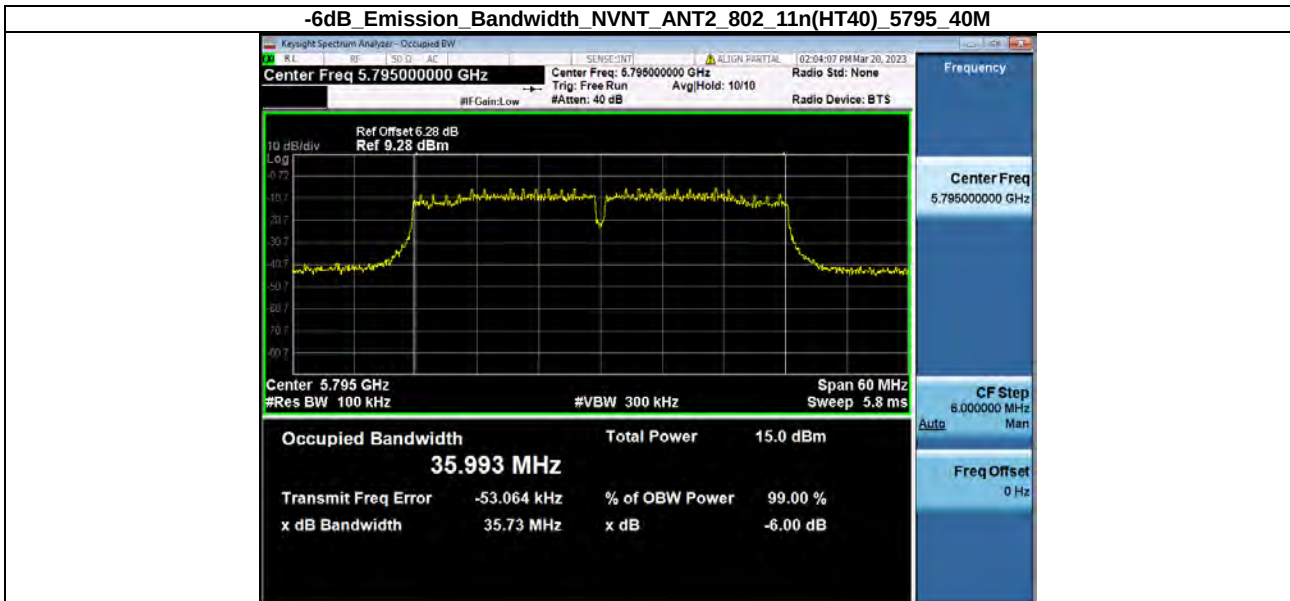
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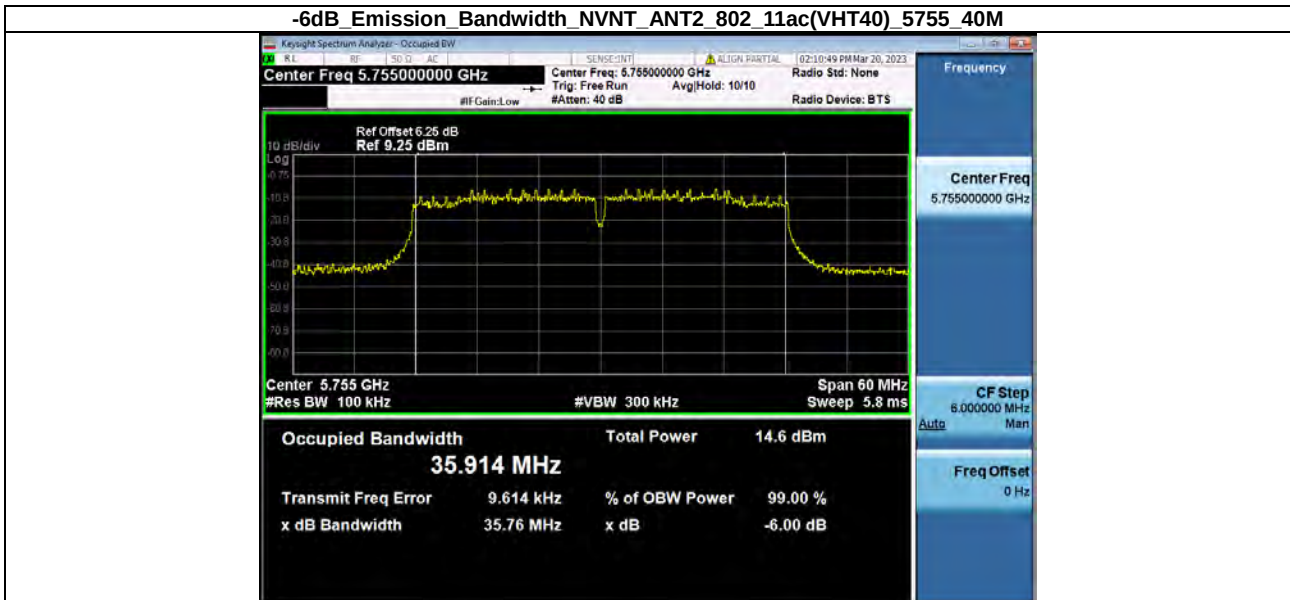
-6dB Emission Bandwidth NVNT_ANT2_802_11n(HT40)_5755_40M



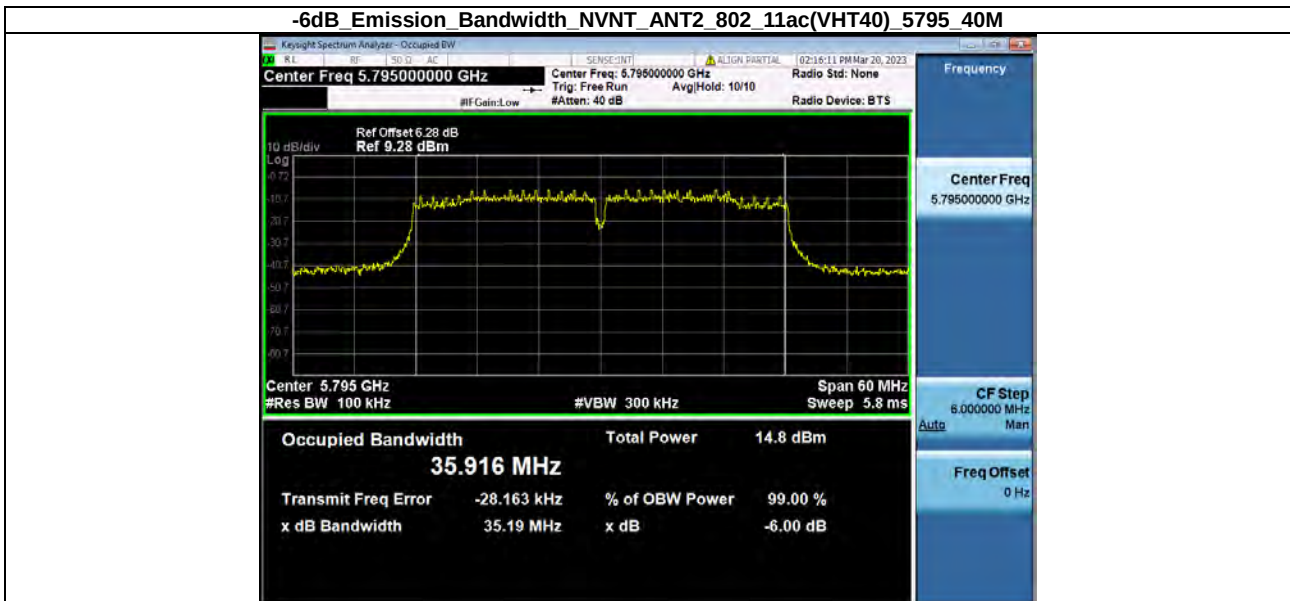
-6dB Emission Bandwidth NVNT_ANT2_802_11n(HT40) 5795_40M

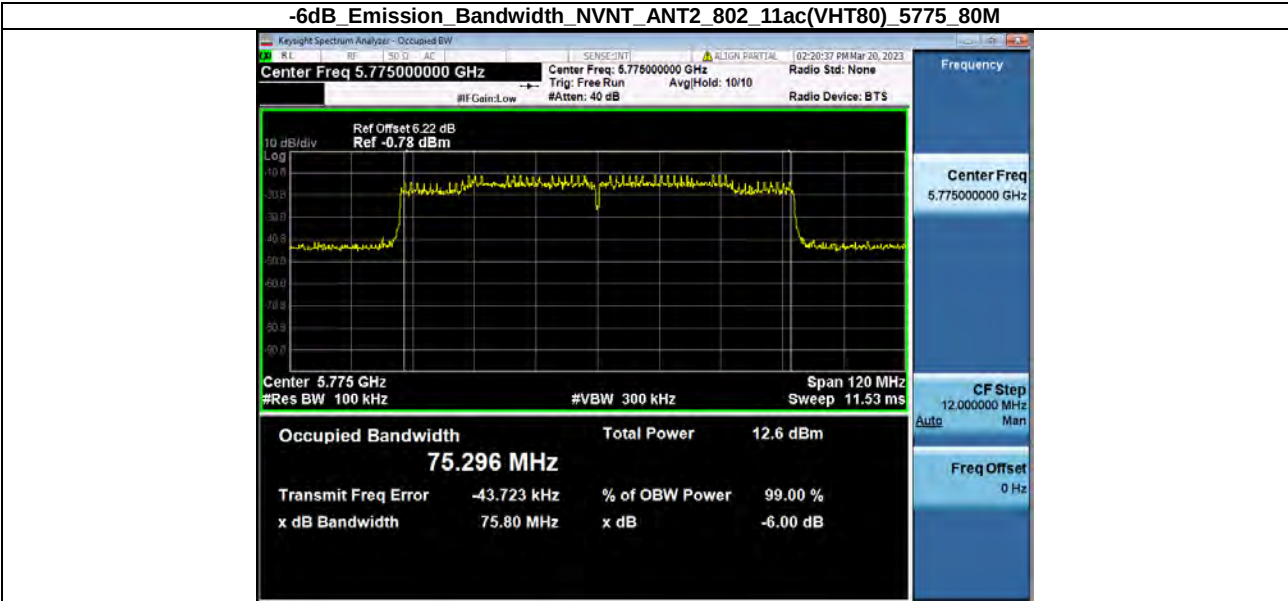


-6dB Emission Bandwidth NVNT_ANT2_802_11ac(VHT40) 5755_40M



-6dB Emission Bandwidth NVNT_ANT2_802_11ac(VHT40) 5795_40M





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	15.86	14.99	30.00	/	/	Pass
NVNT	802.11a	5785.00	16.08	15.78	30.00	/	/	Pass
NVNT	802.11a	5825.00	16.34	15.54	30.00	/	/	Pass
NVNT	802.11n(HT20)	5745.00	16.04	15.69	30.00	18.88	29.53	Pass
NVNT	802.11n(HT20)	5785.00	15.34	14.98	30.00	18.17	29.53	Pass
NVNT	802.11n(HT20)	5825.00	15.82	15.18	30.00	18.52	29.53	Pass
NVNT	802.11ac(VHT20)	5745.00	15.62	14.87	30.00	18.27	29.53	Pass
NVNT	802.11ac(VHT20)	5785.00	16.16	15.47	30.00	18.84	29.53	Pass
NVNT	802.11ac(VHT20)	5825.00	15.93	15.29	30.00	18.63	29.53	Pass
NVNT	802.11n(HT40)	5755.00	12.66	12.26	30.00	15.47	29.53	Pass
NVNT	802.11n(HT40)	5795.00	13.33	12.70	30.00	16.04	29.53	Pass
NVNT	802.11ac(VHT40)	5755.00	12.73	11.96	30.00	15.37	29.53	Pass
NVNT	802.11ac(VHT40)	5795.00	13.35	12.21	30.00	15.83	29.53	Pass
NVNT	802.11ac(VHT80)	5775.00	10.12	9.56	30.00	12.86	29.53	Pass

Note: MIMO limit=limit-(MIMO gain-6)=30-(6.47-6)=29.53dBm

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	4.805	4.719	30	Pass
NVNT	ANT1	802.11a	5785.00	4.663	4.577	30	Pass
NVNT	ANT1	802.11a	5825.00	5.141	5.055	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	3.600	3.514	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	5.133	5.047	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	5.039	4.953	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	5.258	5.172	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	5.358	5.272	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	5.640	5.554	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	-2.265	-2.351	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	-1.593	-1.679	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	-2.267	-2.353	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	-1.053	-1.139	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	-4.702	-4.788	30	Pass

Condition	Antenna	Modulation	Frequency (MHz)	PSD_SA (dBm/510KHz)	PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
NVNT	ANT2	802.11a	5745.00	3.874	3.788	30	Pass
NVNT	ANT2	802.11a	5785.00	4.411	4.325	30	Pass
NVNT	ANT2	802.11a	5825.00	4.314	4.228	30	Pass
NVNT	ANT2	802.11n(HT20)	5745.00	3.530	3.444	30	Pass
NVNT	ANT2	802.11n(HT20)	5785.00	4.156	4.070	30	Pass
NVNT	ANT2	802.11n(HT20)	5825.00	4.242	4.156	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5745.00	4.095	4.009	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5785.00	4.008	3.922	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5825.00	3.966	3.880	30	Pass
NVNT	ANT2	802.11n(HT40)	5755.00	-2.162	-2.248	30	Pass
NVNT	ANT2	802.11n(HT40)	5795.00	-1.685	-1.771	30	Pass
NVNT	ANT2	802.11ac(VHT40)	5755.00	-3.184	-3.270	30	Pass
NVNT	ANT2	802.11ac(VHT40)	5795.00	-2.445	-2.531	30	Pass
NVNT	ANT2	802.11ac(VHT80)	5775.00	-7.793	-7.879	30	Pass

Condition	Antenna	Modulation	Frequency (MHz)	PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
NVNT	MIMO	802.11n(HT20)	5745.00	6.49	29.53	Pass
NVNT	MIMO	802.11n(HT20)	5785.00	7.60	29.53	Pass
NVNT	MIMO	802.11n(HT20)	5825.00	7.58	29.53	Pass
NVNT	MIMO	802.11ac(VHT20)	5745.00	7.64	29.53	Pass
NVNT	MIMO	802.11ac(VHT20)	5785.00	7.66	29.53	Pass
NVNT	MIMO	802.11ac(VHT20)	5825.00	7.81	29.53	Pass
NVNT	MIMO	802.11n(HT40)	5755.00	0.71	29.53	Pass
NVNT	MIMO	802.11n(HT40)	5795.00	1.29	29.53	Pass
NVNT	MIMO	802.11ac(VHT40)	5755.00	0.22	29.53	Pass
NVNT	MIMO	802.11ac(VHT40)	5795.00	1.23	29.53	Pass
NVNT	MIMO	802.11ac(VHT80)	5775.00	-3.05	29.53	Pass

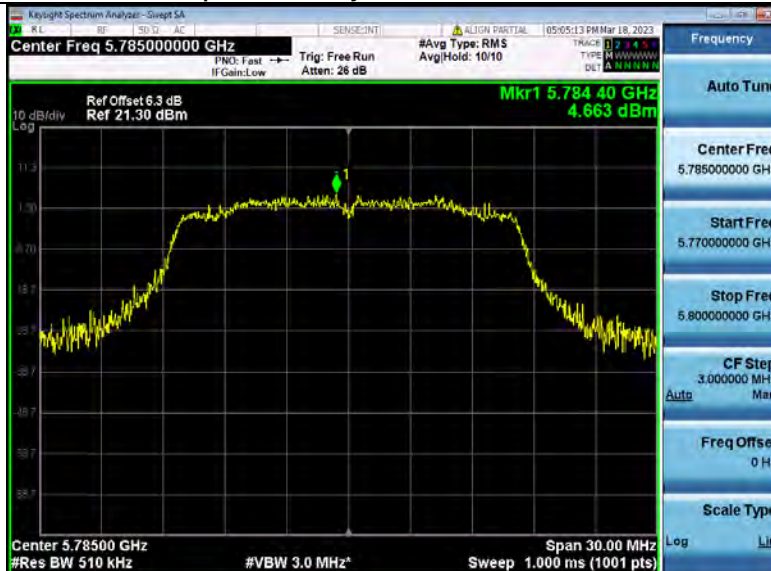
Note: MIMO limit=limit-(MIMO gain-6)=30-(6.47-6)=29.53 dBm/500KHz

ANT1

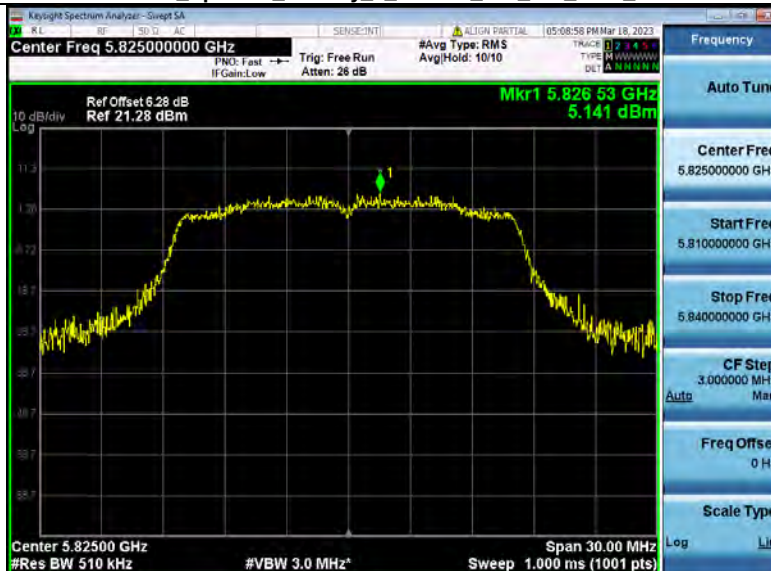
Power Spectral Density 5_8WiFi 802_11a 5745_20M



Power Spectral Density 5_8WiFi 802_11a 5785_20M



Power Spectral Density 5_8WiFi 802_11a 5825_20M





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



Power Spectral Density 5_8WiFi 802_11ac(VHT80) 5775_80M



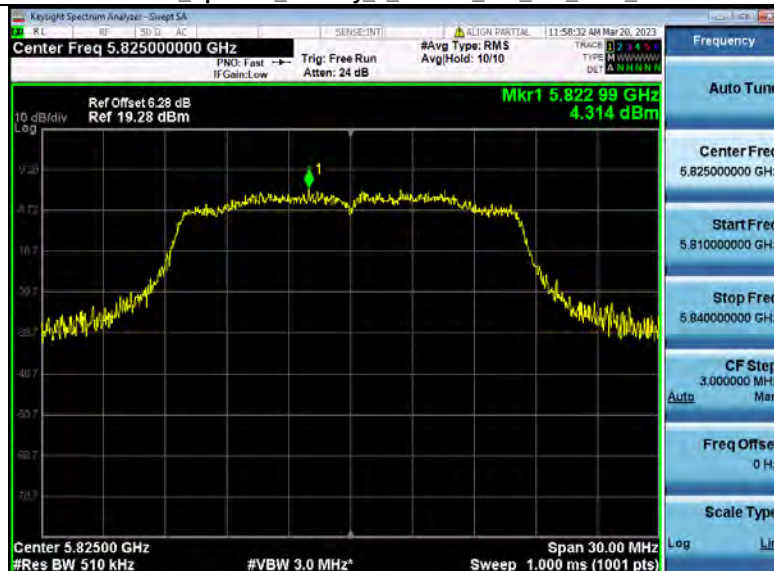
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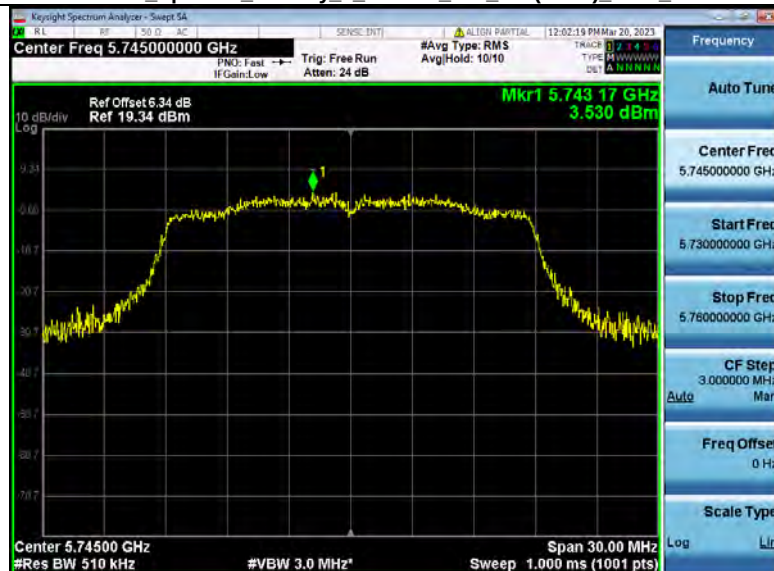
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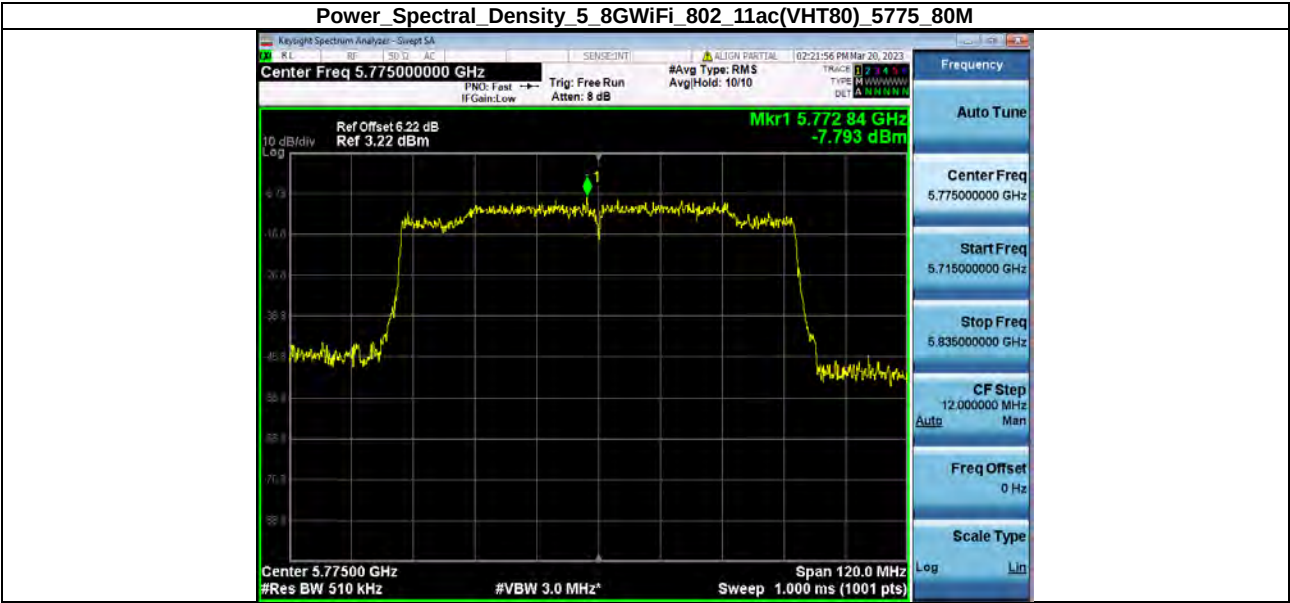
Power Spectral Density 5_8WiFi 802_11n(HT20) 5745_20M



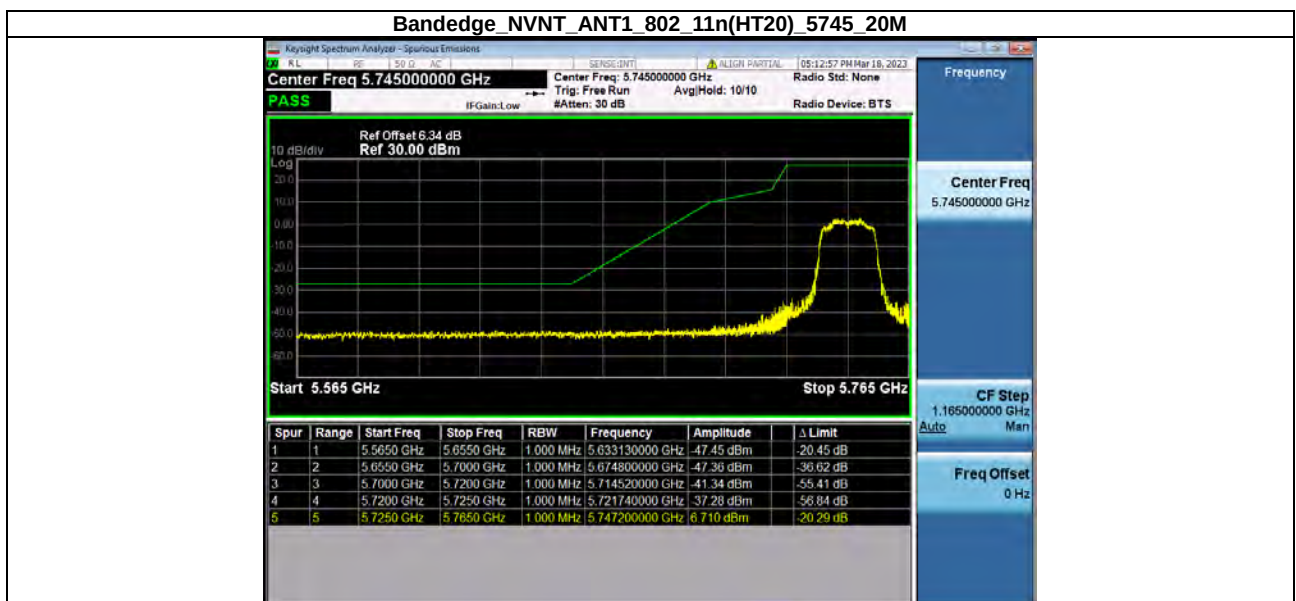
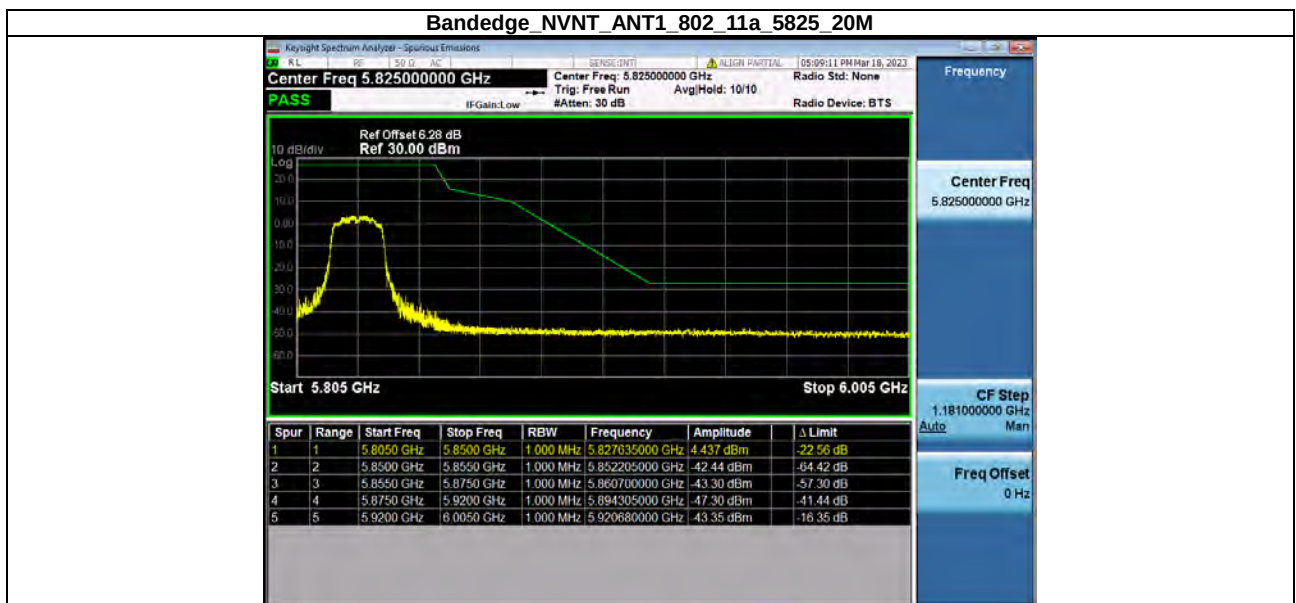
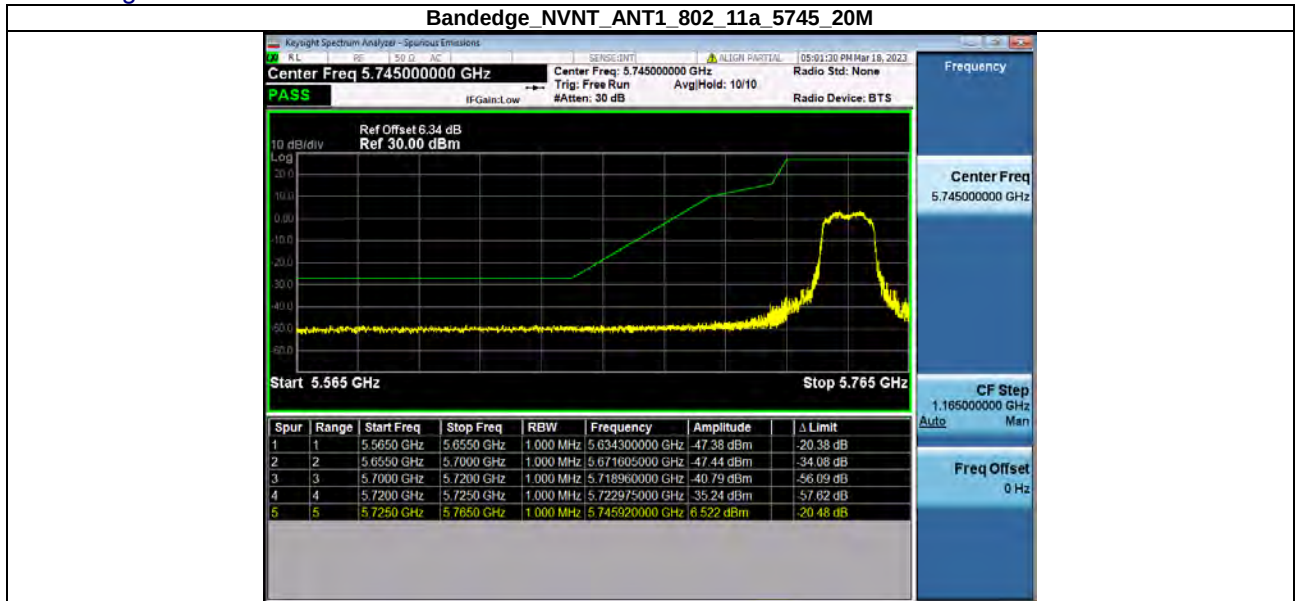




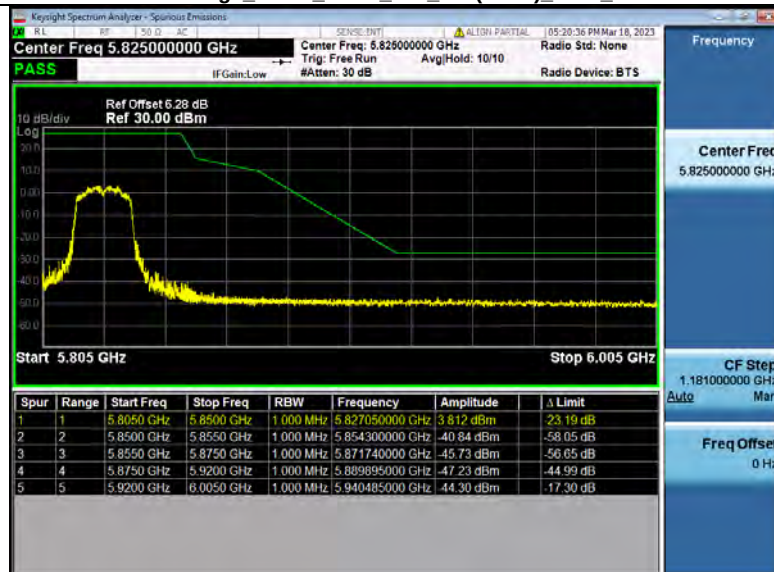




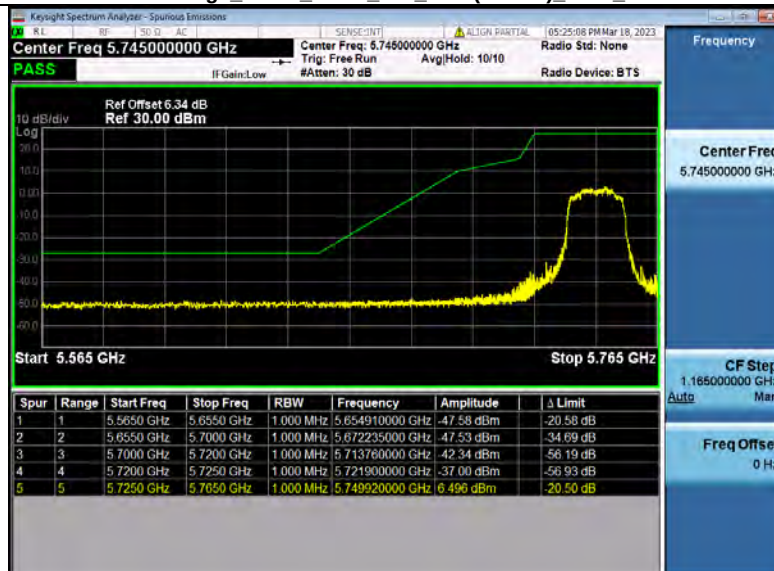
5. Bandedge



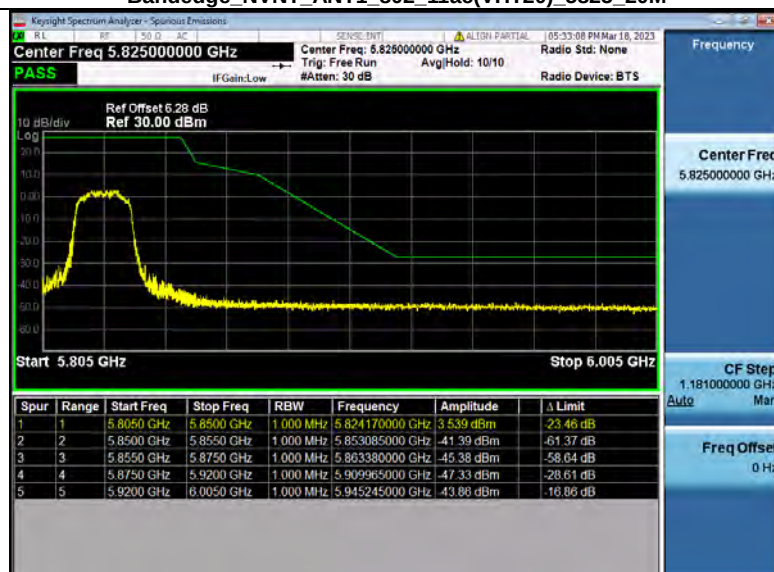
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Bandedge_NVNT_ANT1_802_11ac(VHT20)_5745_20M



Bandedge_NVNT_ANT1_802_11ac(VHT20)_5825_20M



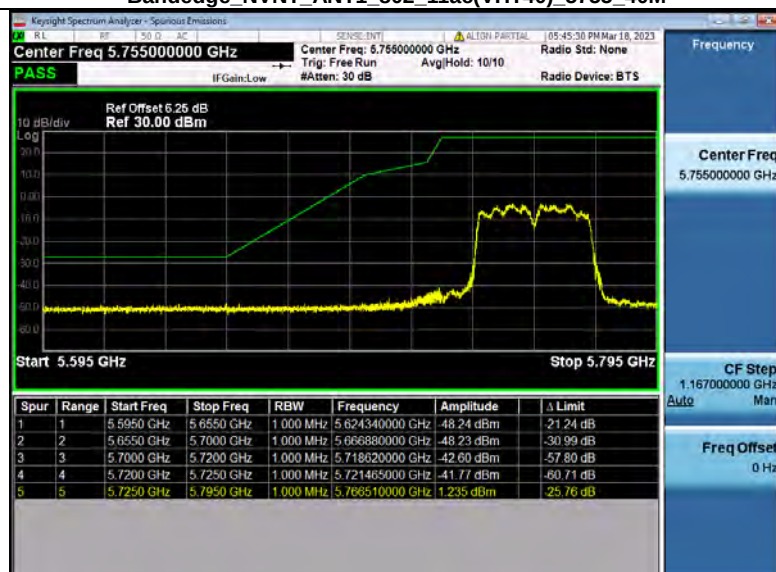
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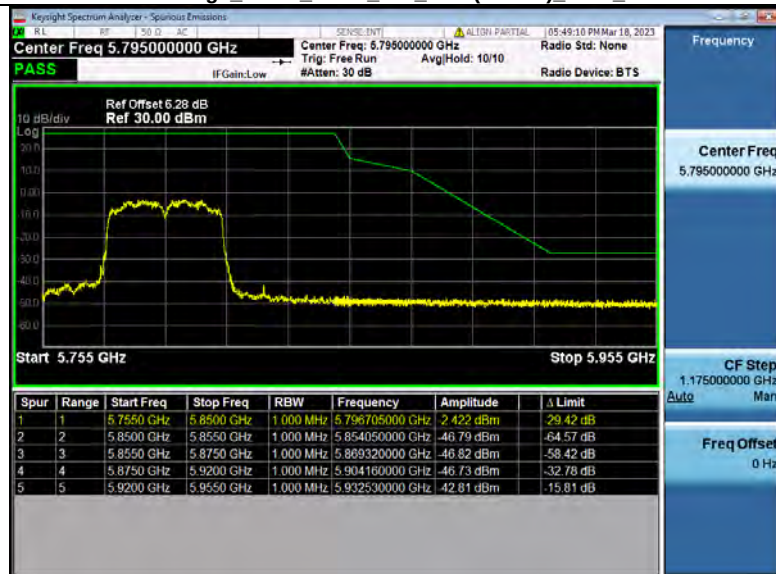
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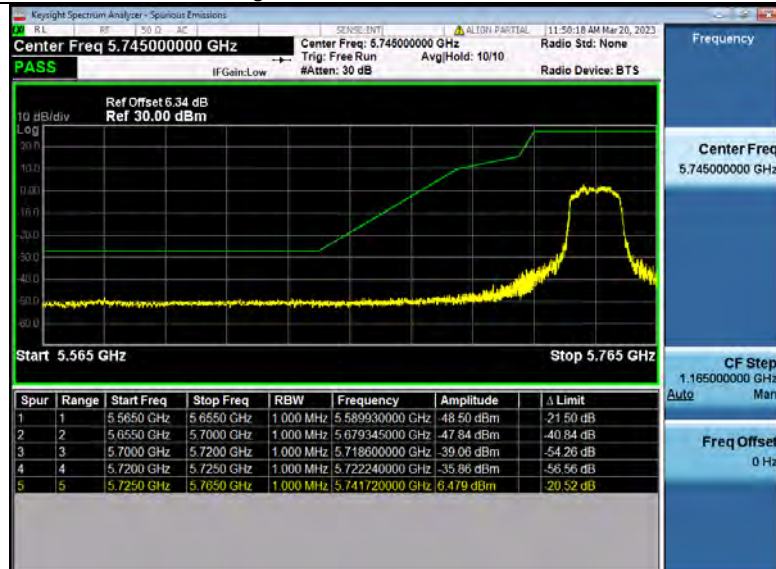
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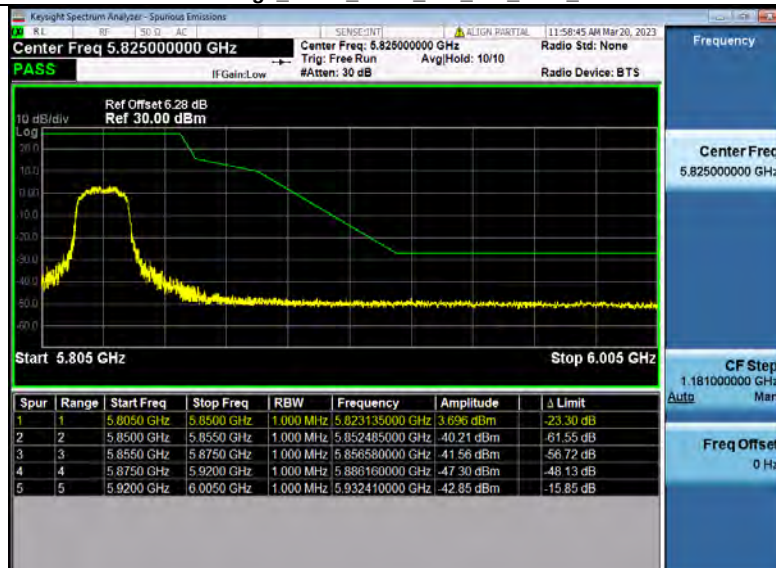
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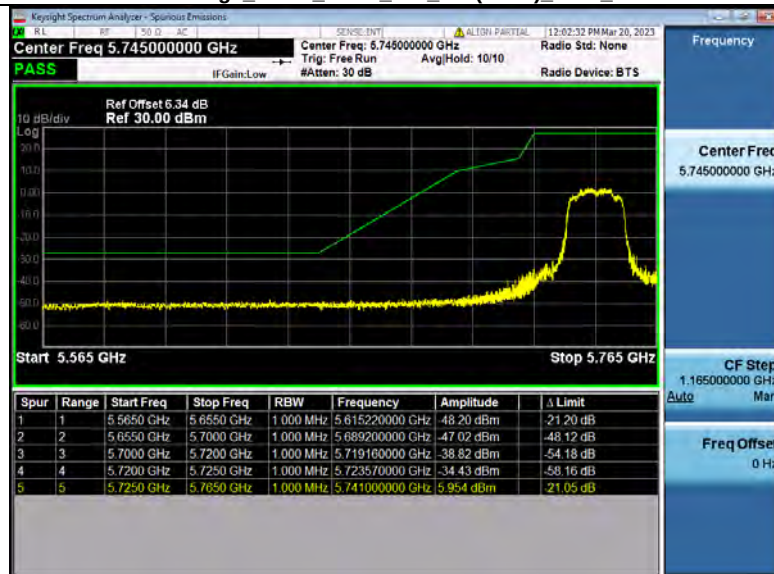
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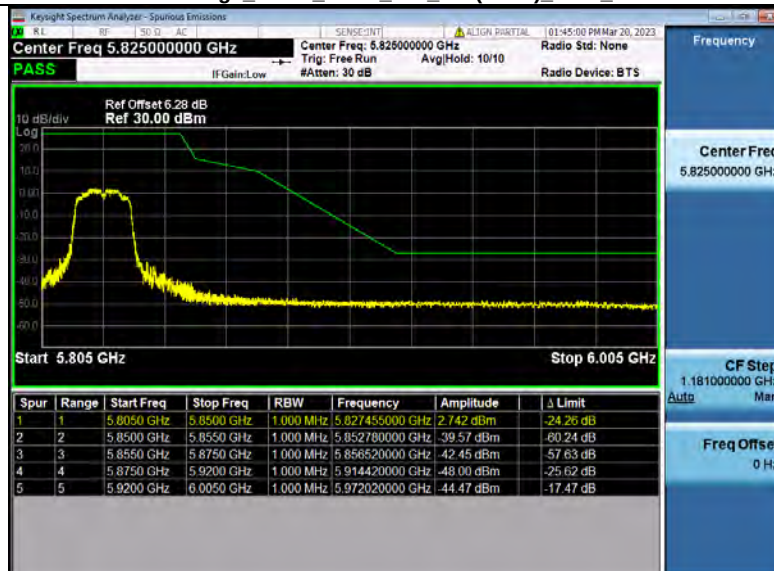
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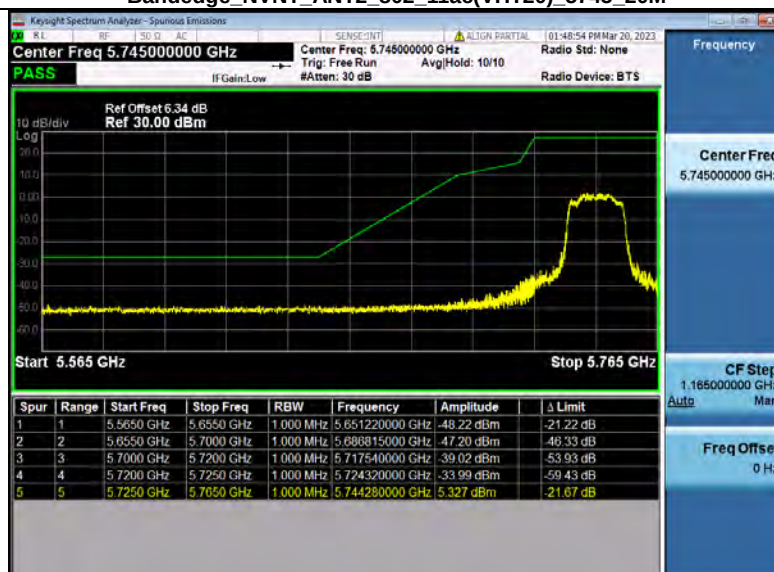
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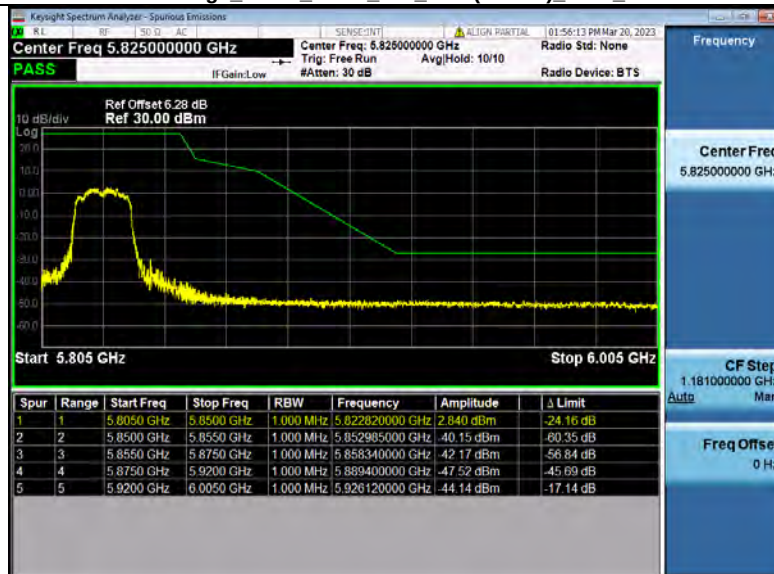
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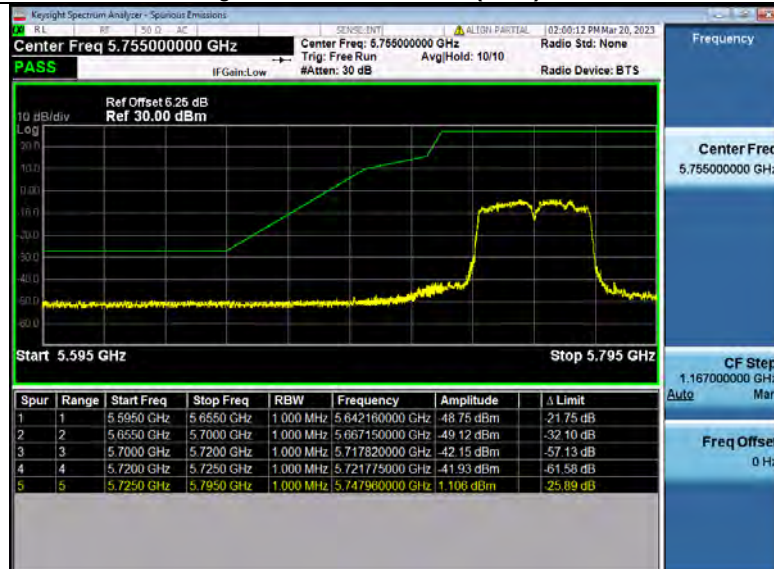
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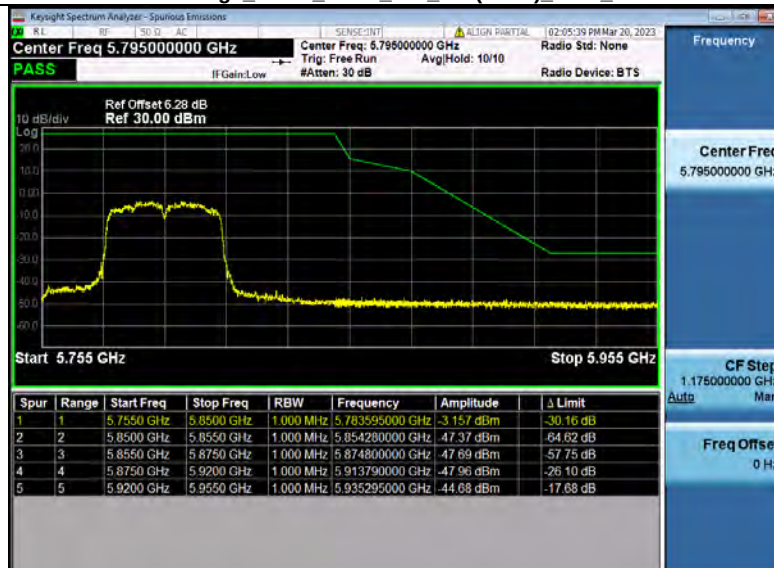
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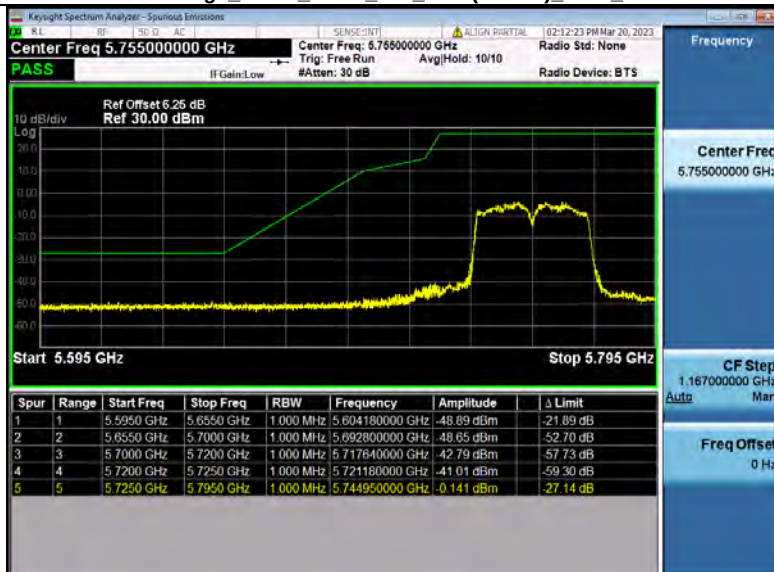
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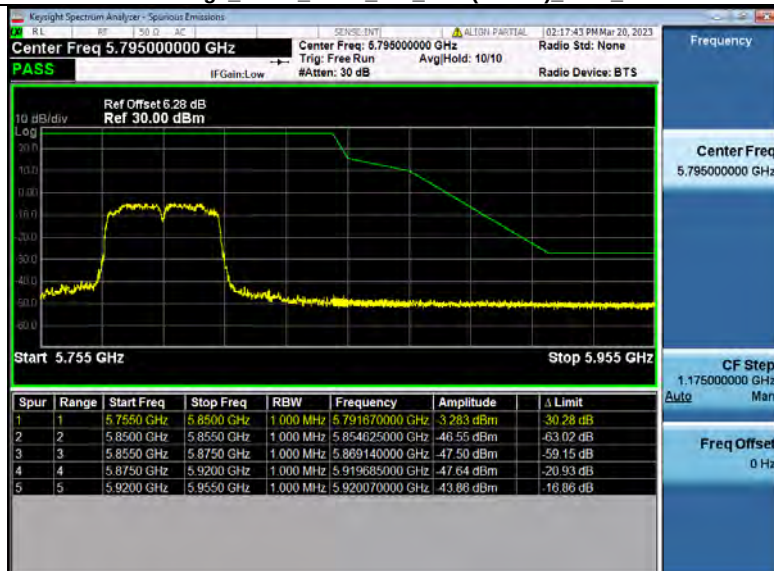
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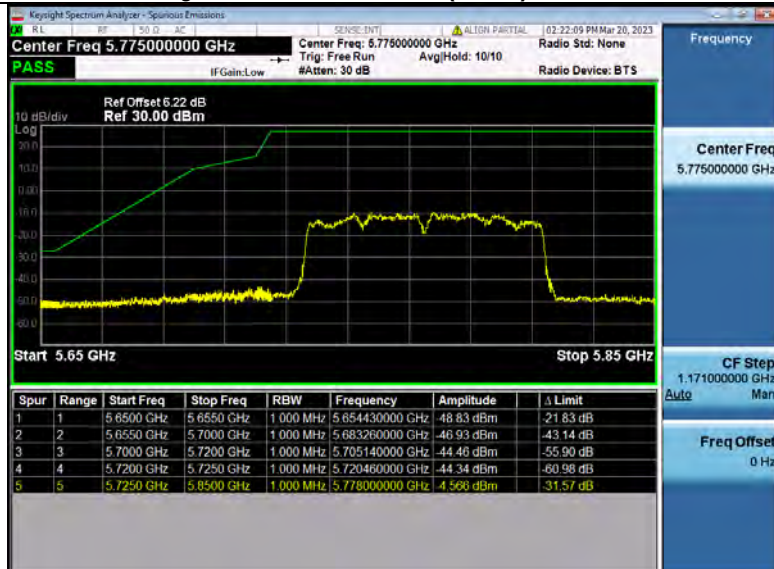
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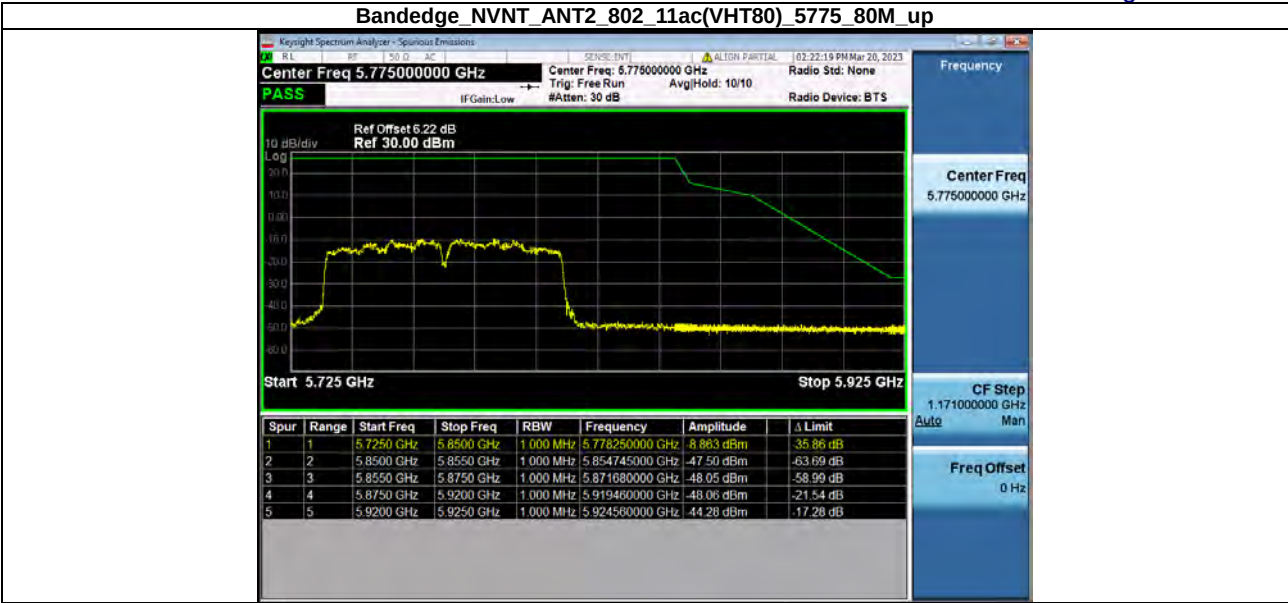
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Bandedge_NVNT_ANT2_802_11ac(VHT80) 5775_80M_low



Bandedge_NVNT_ANT2_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 *******