

2. Maximum Conducted Output Power

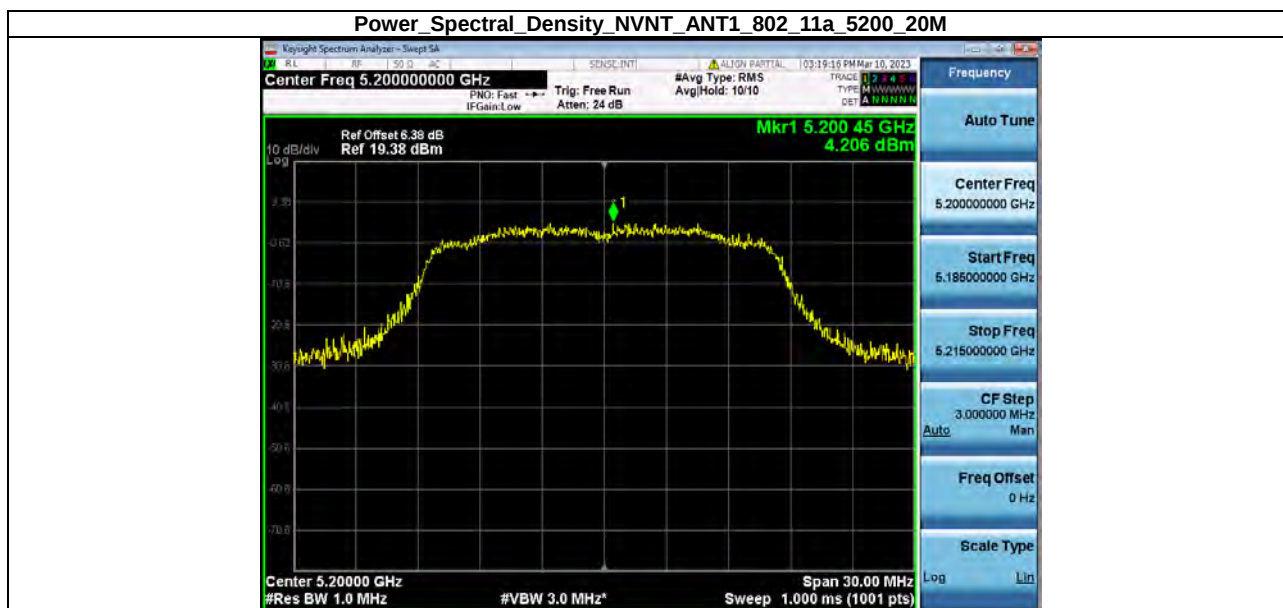
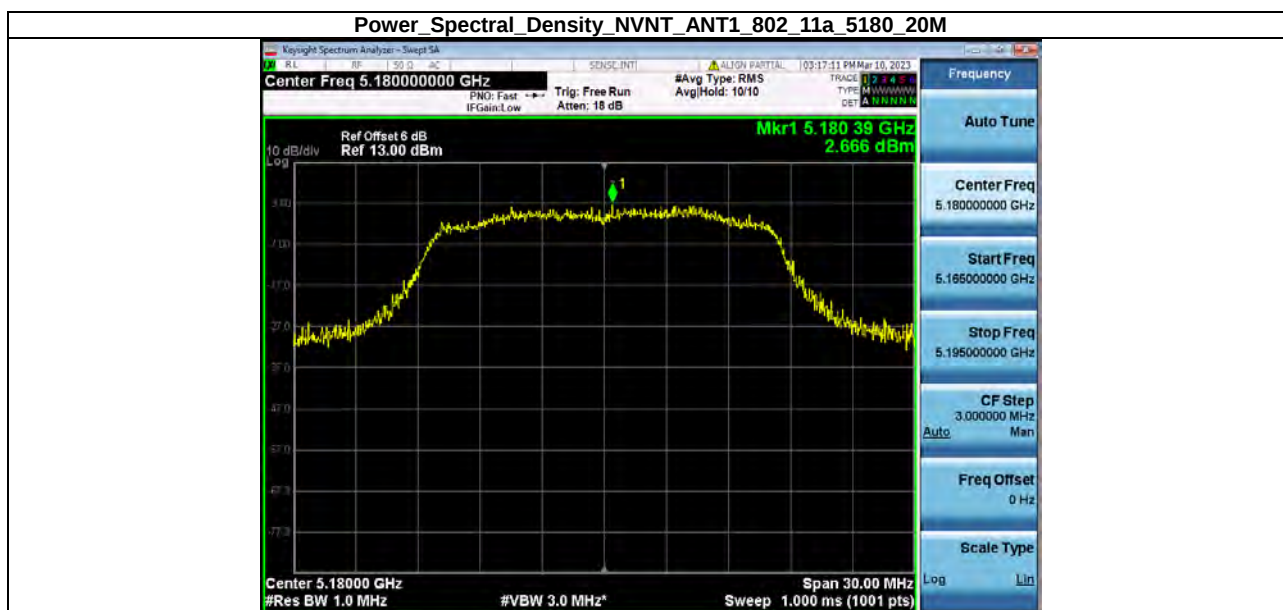
Condition	Modulation	Frequency (MHz)	Conducted Power(dBm)		limit(dBm)	Conducted Power(dBm) MIMO	MIMO limit(dBm)	Result
			ANT1	ANT2				
NVNT	802.11a	5180.00	5.63	6.39	23.98	/	/	Pass
NVNT	802.11a	5200.00	7.60	7.65	23.98	/	/	Pass
NVNT	802.11a	5240.00	6.23	5.95	23.98	/	/	Pass
NVNT	802.11n(HT20)	5180.00	5.85	6.02	23.98	8.95	23.51	Pass
NVNT	802.11n(HT20)	5200.00	7.48	7.33	23.98	10.42	23.51	Pass
NVNT	802.11n(HT20)	5240.00	6.09	6.02	23.98	9.07	23.51	Pass
NVNT	802.11ac(VHT20)	5180.00	5.97	5.78	23.98	8.89	23.51	Pass
NVNT	802.11ac(VHT20)	5200.00	7.10	7.67	23.98	10.40	23.51	Pass
NVNT	802.11ac(VHT20)	5240.00	5.78	6.42	23.98	9.12	23.51	Pass
NVNT	802.11n(HT40)	5190.00	3.44	3.42	23.98	6.44	23.51	Pass
NVNT	802.11n(HT40)	5230.00	3.22	3.14	23.98	6.19	23.51	Pass
NVNT	802.11ac(VHT40)	5190.00	3.35	3.25	23.98	6.31	23.51	Pass
NVNT	802.11ac(VHT40)	5230.00	3.05	3.05	23.98	6.06	23.51	Pass
NVNT	802.11ac(VHT80)	5210.00	1.59	1.22	23.98	4.42	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	2.666	2.746	11.00	/	/	Pass
NVNT	802.11a	5200.00	4.206	4.178	11.00	/	/	Pass
NVNT	802.11a	5240.00	2.406	3.337	11.00	/	/	Pass
NVNT	802.11n(HT20)	5180.00	2.873	2.374	11.00	5.64	10.53	Pass
NVNT	802.11n(HT20)	5200.00	3.762	4.416	11.00	7.11	10.53	Pass
NVNT	802.11n(HT20)	5240.00	2.240	3.034	11.00	5.67	10.53	Pass
NVNT	802.11ac(VHT20)	5180.00	4.062	3.159	11.00	6.64	10.53	Pass
NVNT	802.11ac(VHT20)	5200.00	3.897	4.520	11.00	7.23	10.53	Pass
NVNT	802.11ac(VHT20)	5240.00	2.720	2.984	11.00	5.86	10.53	Pass
NVNT	802.11n(HT40)	5190.00	-2.529	-2.398	11.00	0.55	10.53	Pass
NVNT	802.11n(HT40)	5230.00	-3.006	-3.014	11.00	0.00	10.53	Pass
NVNT	802.11ac(VHT40)	5190.00	-2.477	-2.580	11.00	0.48	10.53	Pass
NVNT	802.11ac(VHT40)	5230.00	-3.582	-3.787	11.00	-0.67	10.53	Pass
NVNT	802.11ac(VHT80)	5210.00	-7.738	-7.847	11.00	-4.78	10.53	Pass

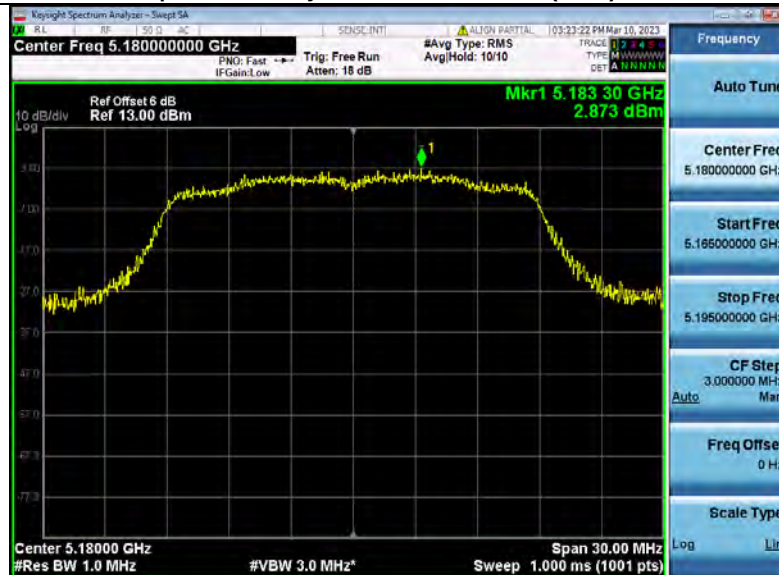
Note: MIMO limit=limit-(MIMO gain-6)=11-(6.47-6)= 10.53 dBm/MHz



Power Spectral Density NVNT_ANT1_802_11a_5240_20M



Power Spectral Density NVNT_ANT1_802_11n(HT20)_5180_20M



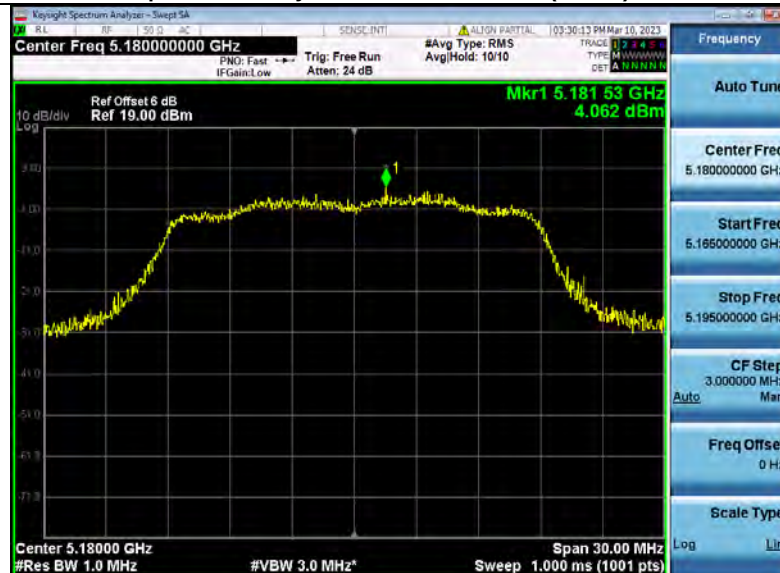
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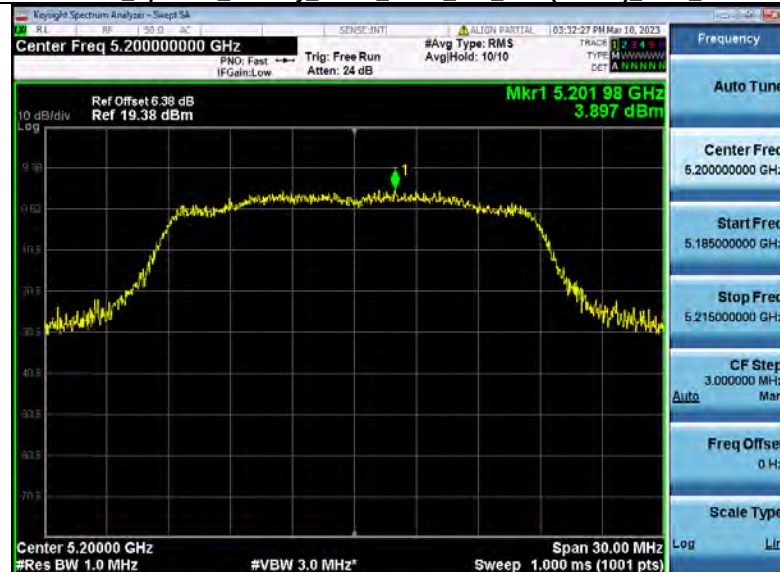
Power Spectral Density NVNT ANT1 802_11n(HT20) 5240_20M



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



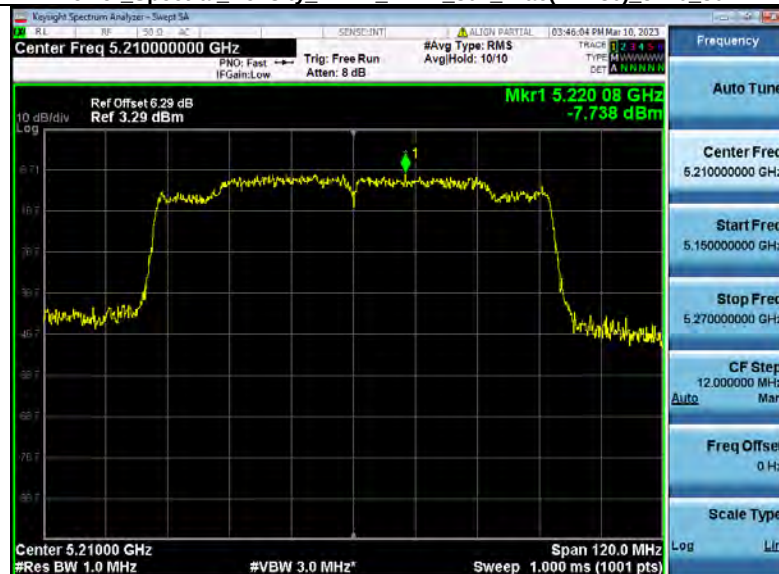
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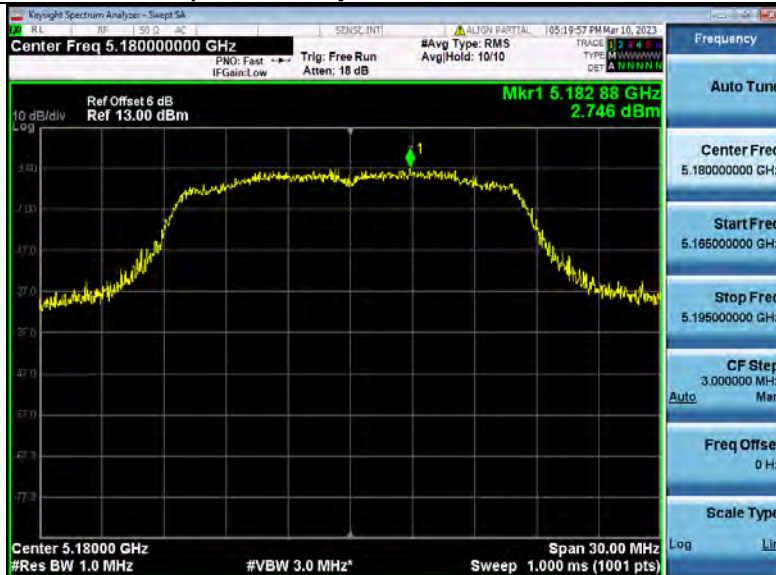
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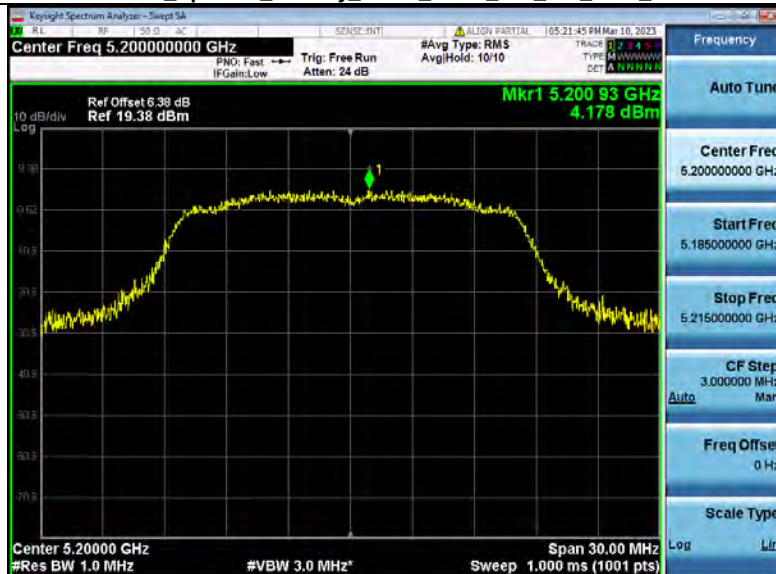
Power Spectral Density NVNT ANT1_802_11ac(VHT80)_5210_80M



Power_Spectral_Density_NVNT_ANT2_802_11a_5180_20M



Power_Spectral_Density_NVNT_ANT2_802_11a_5200_20M



Power_Spectral_Density_NVNT_ANT2_802_11a_5240_20M



Power_Spectral_Density_NVNT_ANT2_802_11n(HT20)_5180_20M



Power_Spectral_Density_NVNT_ANT2_802_11n(HT20)_5200_20M



Power_Spectral_Density_NVNT_ANT2_802_11n(HT20)_5240_20M



Power Spectral Density_NVNT_ANT2_802_11ac(VHT20)_5180_20M



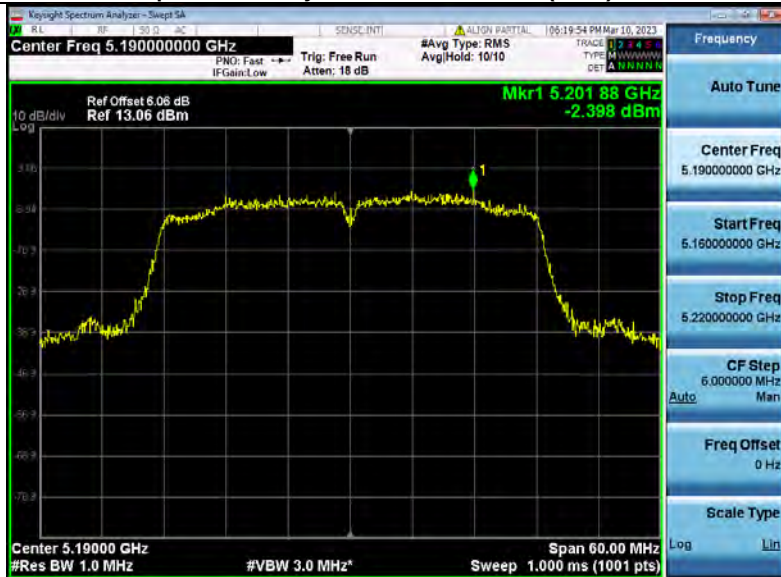
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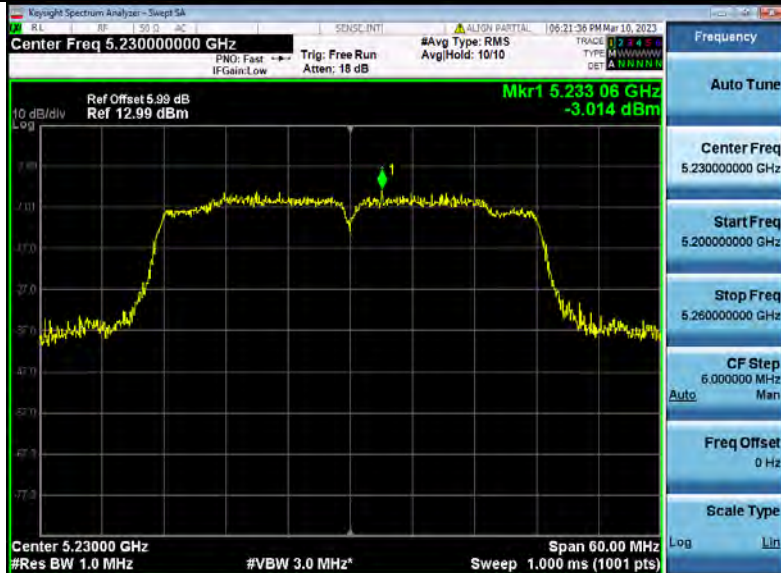
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Power Spectral Density NVNT_ANT2_802_11n(HT40)_5190_40M



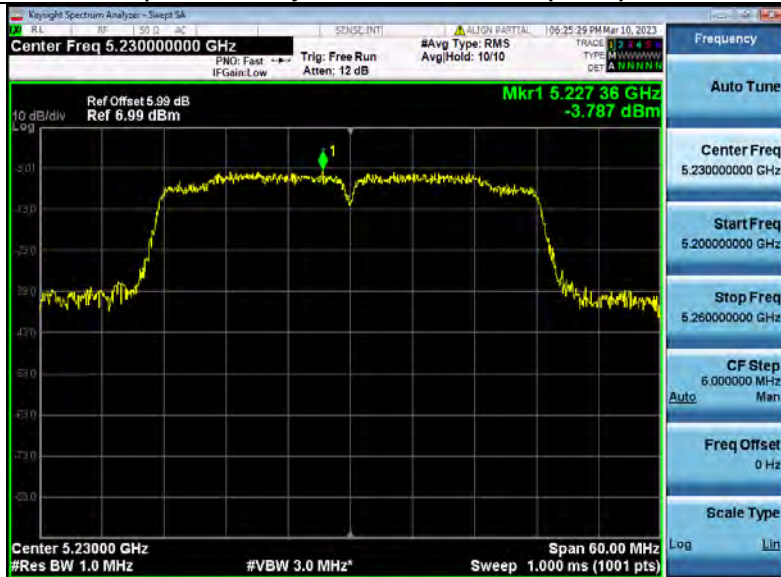
Power Spectral Density NVNT_ANT2_802_11n(HT40)_5230_40M



Power Spectral Density NVNT_ANT2_802_11ac(VHT40)_5190_40M



Power Spectral Density_NVNT_ANT2_802_11ac(VHT40)_5230_40M

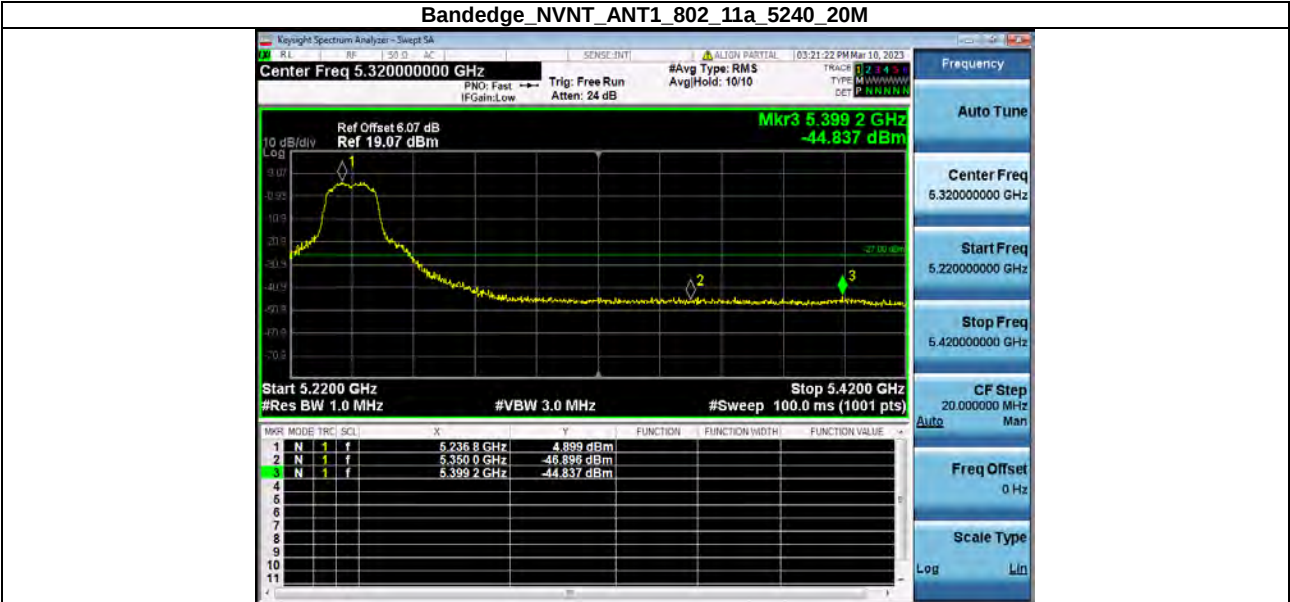
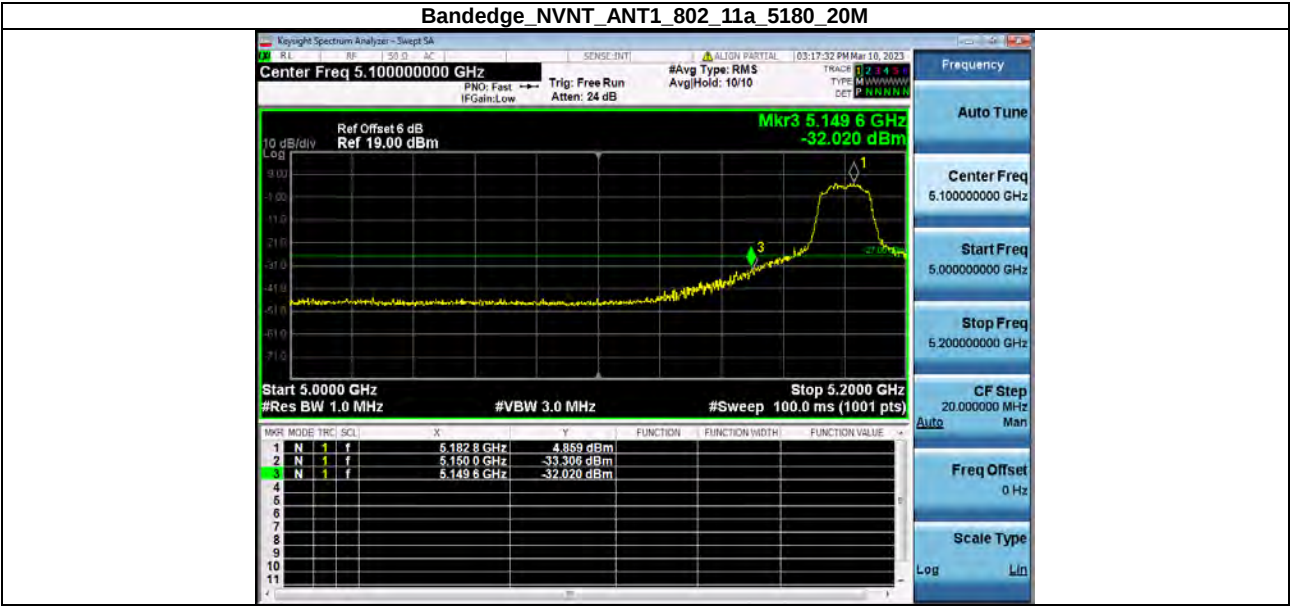


Power Spectral Density_NVNT_ANT2_802_11ac(VHT80)_5210_80M

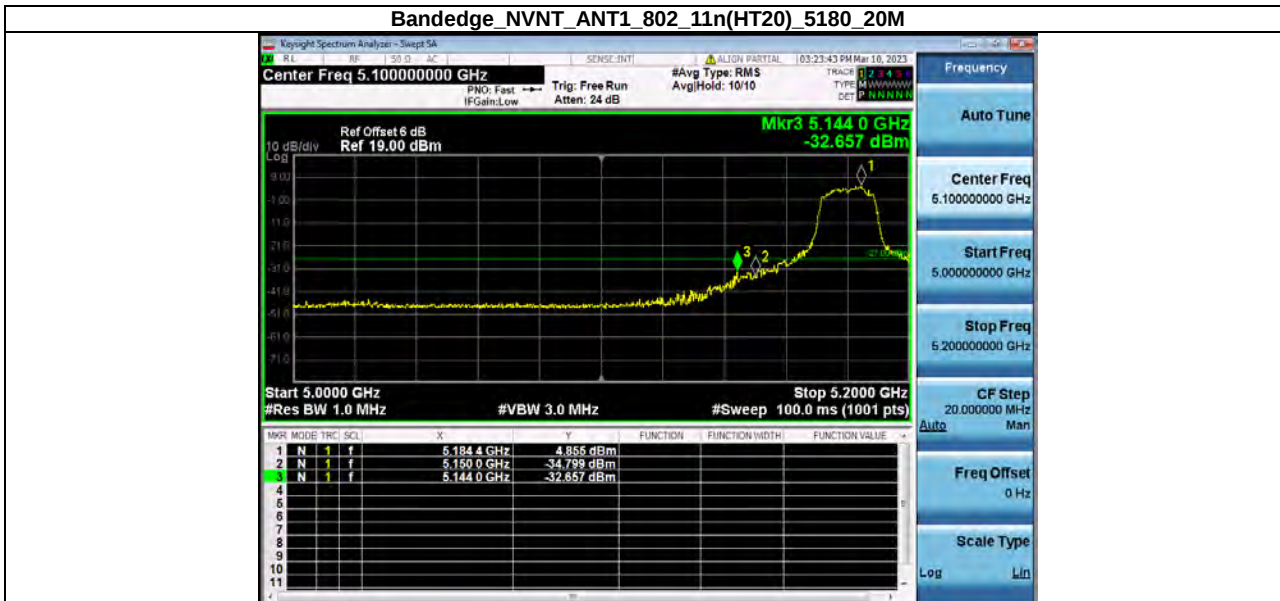


4. Bandedge

ANT1



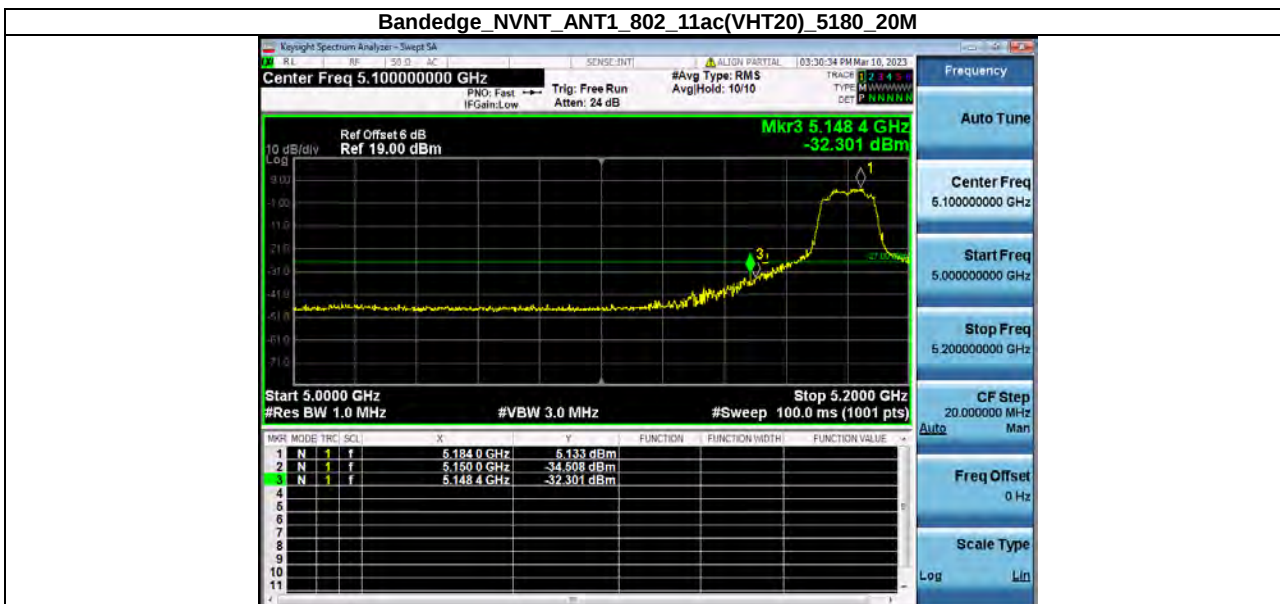
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Bandedge_NVNT_ANT1_802_11n(HT20)_5240_20M



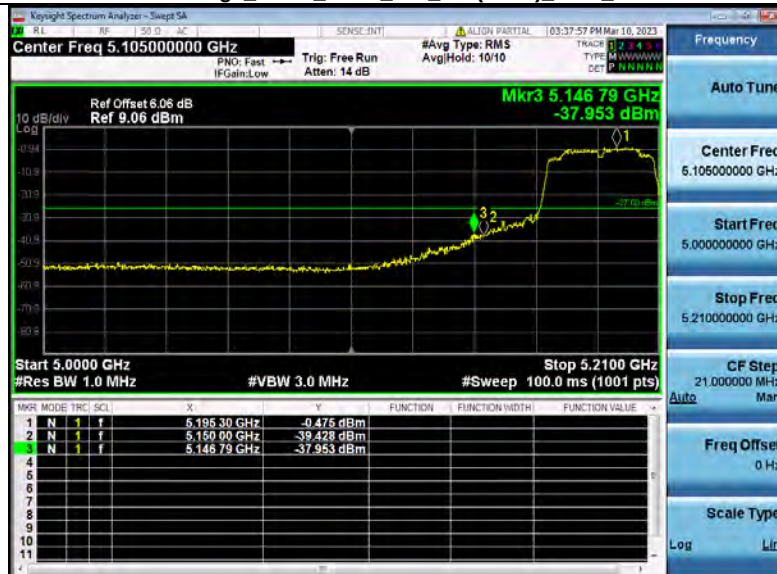
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Bandedge_NVNT_ANT1_802_11ac(VHT20)_5240_20M



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

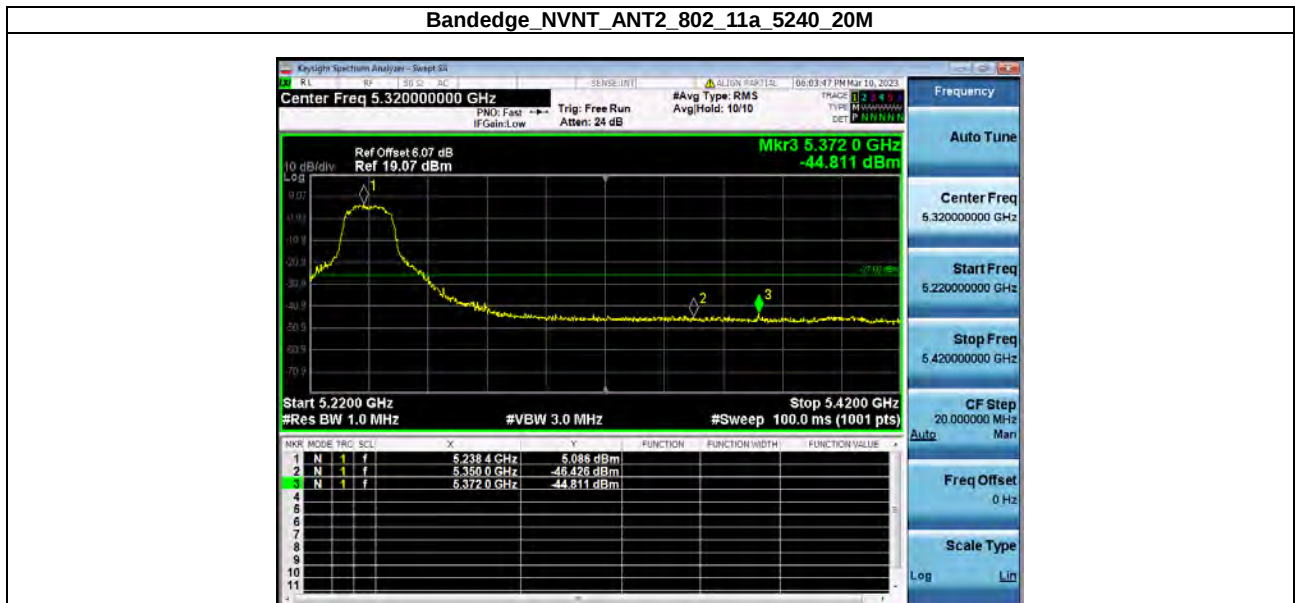


ANT2

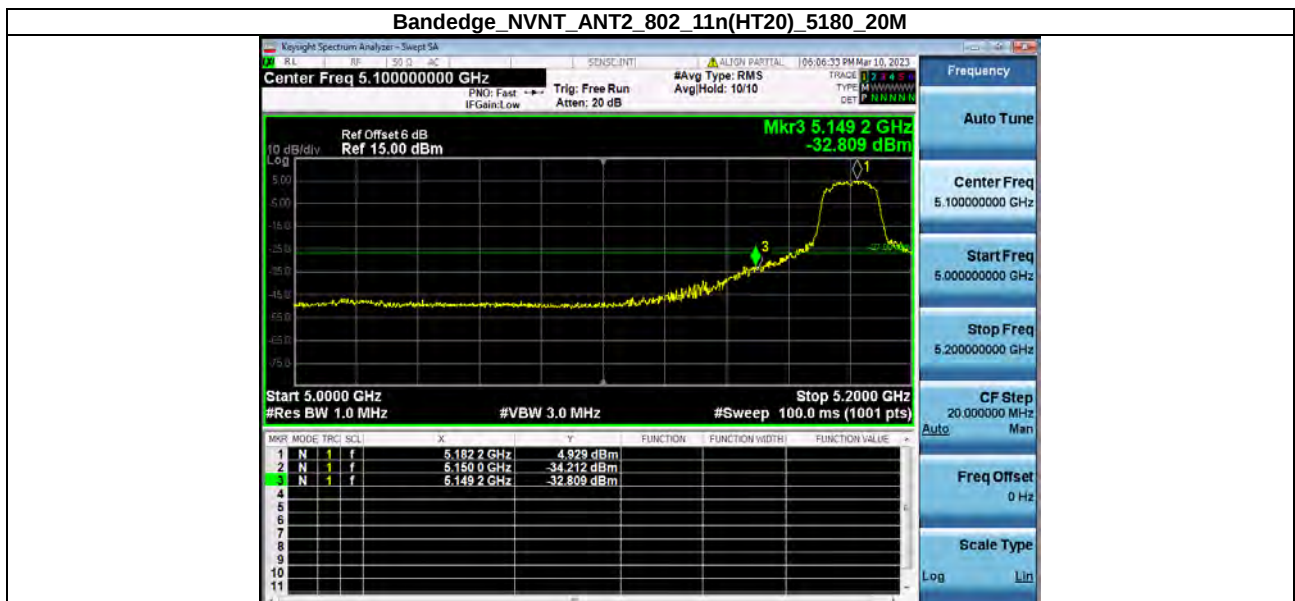
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Bandedge_NVNT_ANT2_802_11a_5240_20M



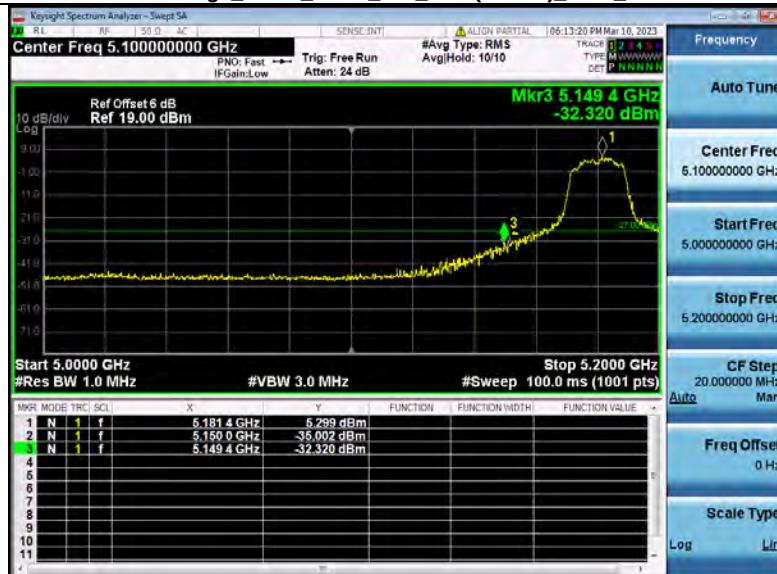
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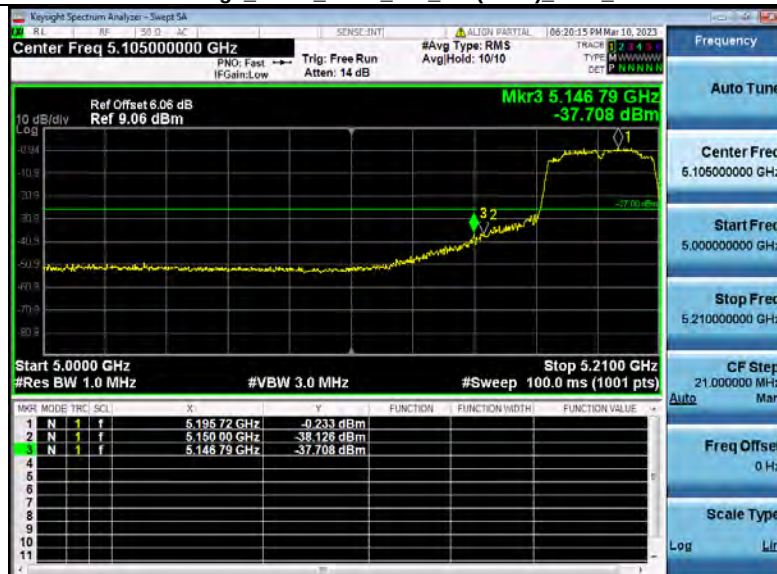
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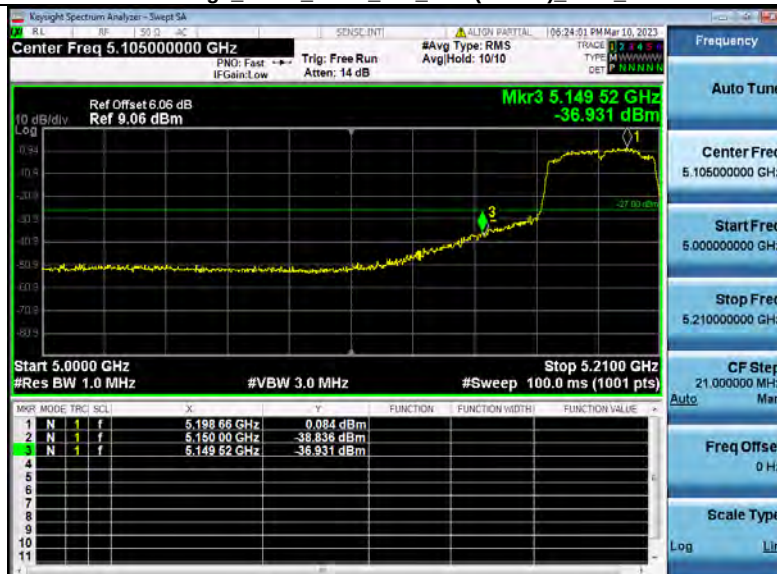
Bandedge_NVNT_ANT2_802_11n(HT40)_5190_40M



Bandedge_NVNT_ANT2_802_11n(HT40)_5230_40M



Bandedge_NVNT_ANT2_802_11ac(VHT40)_5190_40M

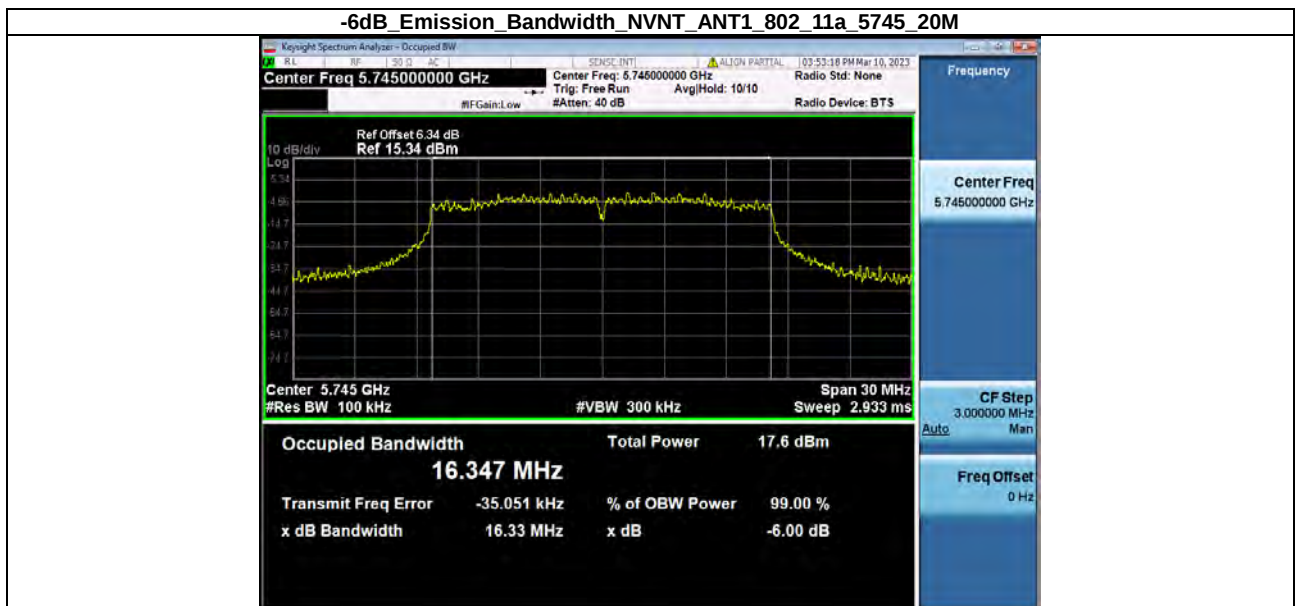




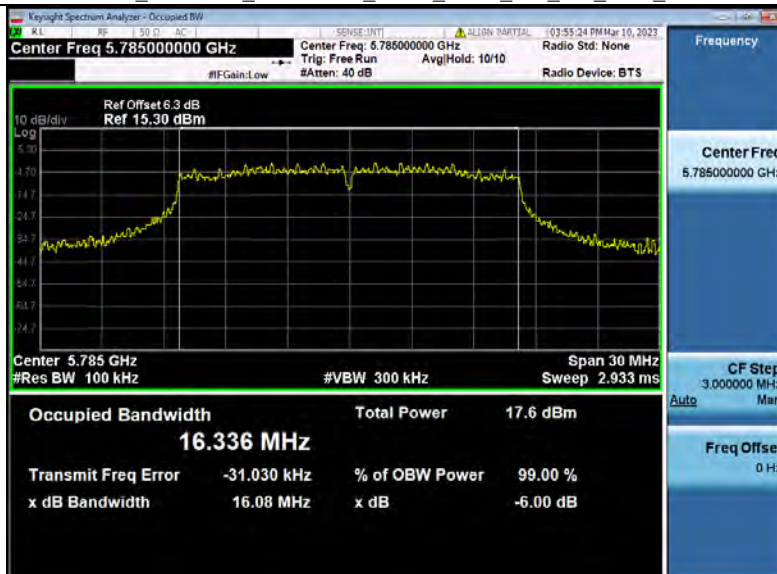
12.APPENDIX1---5.8GWIFI**1. -6dB Emission Bandwidth**

Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	LCH	5745	16.335	0.500	Pass
NVNT	ANT1	MCH	5785	16.076	0.500	Pass
NVNT	ANT1	HCH	5825	15.384	0.500	Pass
NVNT	ANT1	LCH	5745	15.992	0.500	Pass
NVNT	ANT1	MCH	5785	16.662	0.500	Pass
NVNT	ANT1	HCH	5825	16.879	0.500	Pass
NVNT	ANT1	LCH	5745	17.556	0.500	Pass
NVNT	ANT1	MCH	5785	16.102	0.500	Pass
NVNT	ANT1	HCH	5825	16.671	0.500	Pass
NVNT	ANT1	LCH	5755	35.185	0.500	Pass
NVNT	ANT1	HCH	5795	35.446	0.500	Pass
NVNT	ANT1	LCH	5755	35.389	0.500	Pass
NVNT	ANT1	HCH	5795	35.758	0.500	Pass
NVNT	ANT1	MCH	5775	75.257	0.500	Pass

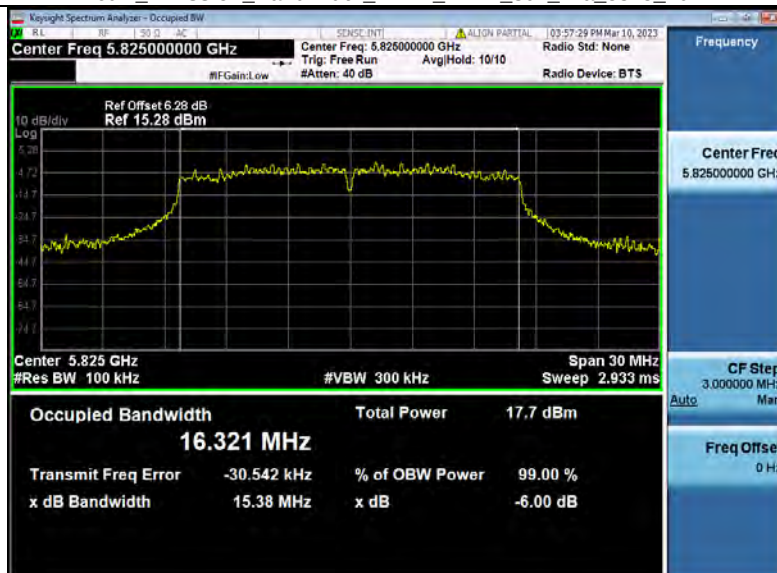
Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT2	LCH	5745.00	15.993	0.500	Pass
NVNT	ANT2	MCH	5785.00	16.046	0.500	Pass
NVNT	ANT2	HCH	5825.00	15.927	0.500	Pass
NVNT	ANT2	LCH	5745.00	15.451	0.500	Pass
NVNT	ANT2	MCH	5785.00	16.683	0.500	Pass
NVNT	ANT2	HCH	5825.00	17.534	0.500	Pass
NVNT	ANT2	LCH	5745.00	16.894	0.500	Pass
NVNT	ANT2	MCH	5785.00	15.838	0.500	Pass
NVNT	ANT2	HCH	5825.00	15.934	0.500	Pass
NVNT	ANT2	LCH	5755.00	35.355	0.500	Pass
NVNT	ANT2	HCH	5795.00	35.453	0.500	Pass
NVNT	ANT2	LCH	5755.00	35.209	0.500	Pass
NVNT	ANT2	HCH	5795.00	35.742	0.500	Pass
NVNT	ANT2	MCH	5775.00	75.271	0.500	Pass



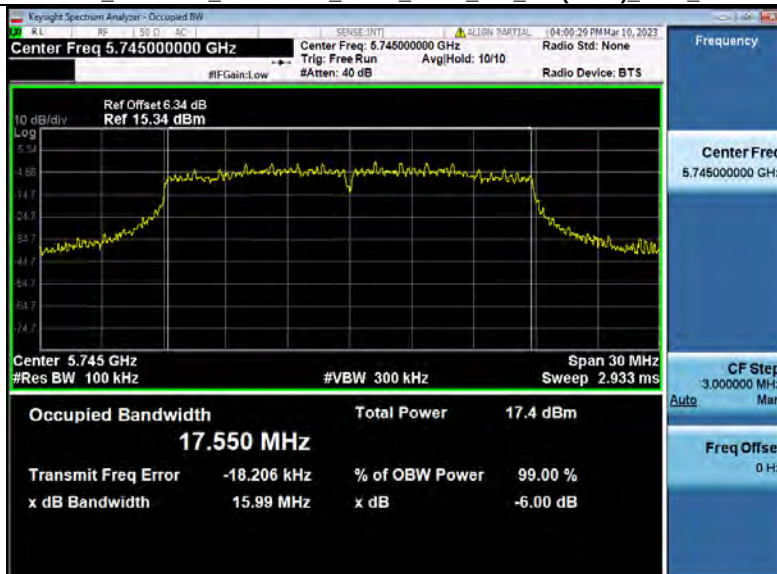
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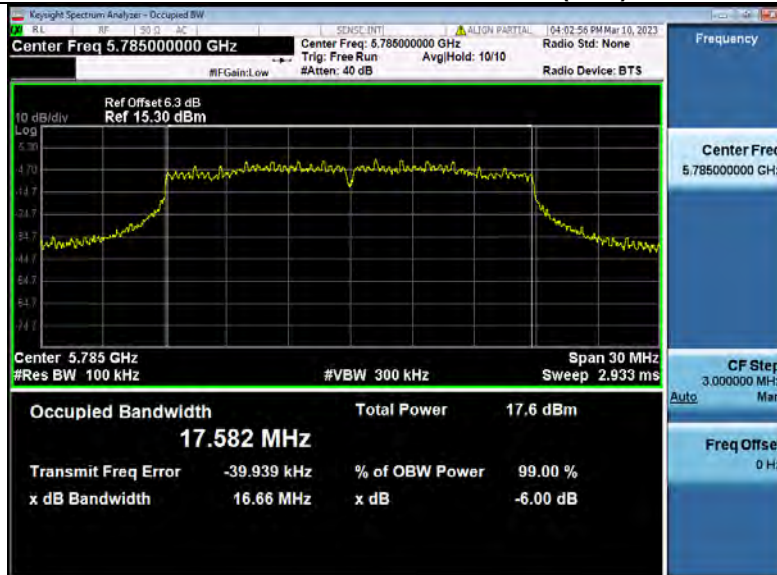
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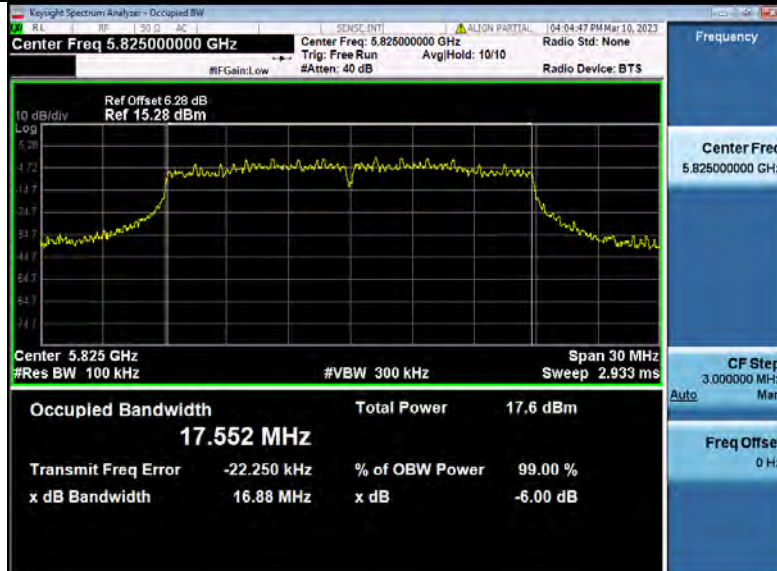
-6dB Emission Bandwidth_NVNT_ANT1_802_11n(HT20)_5745_20M



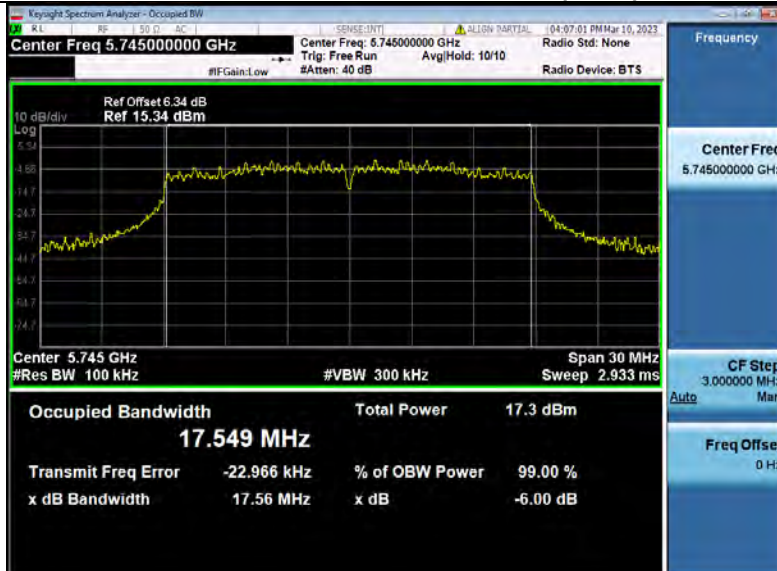
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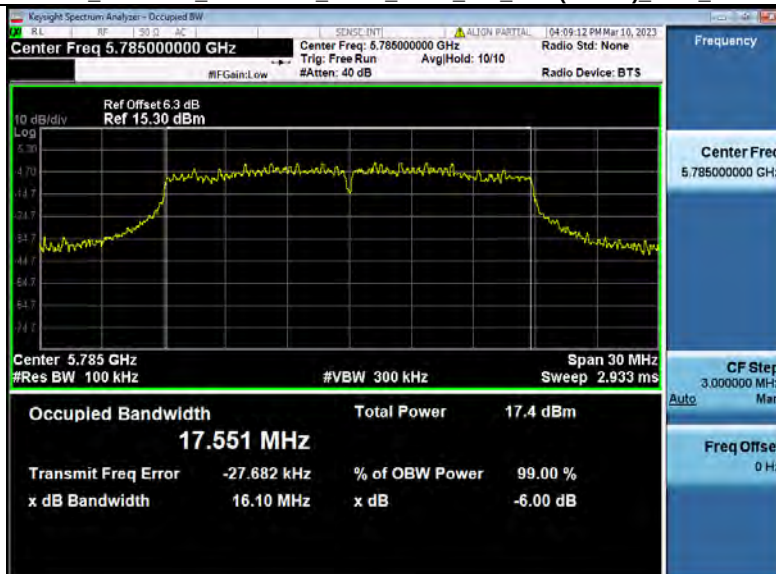
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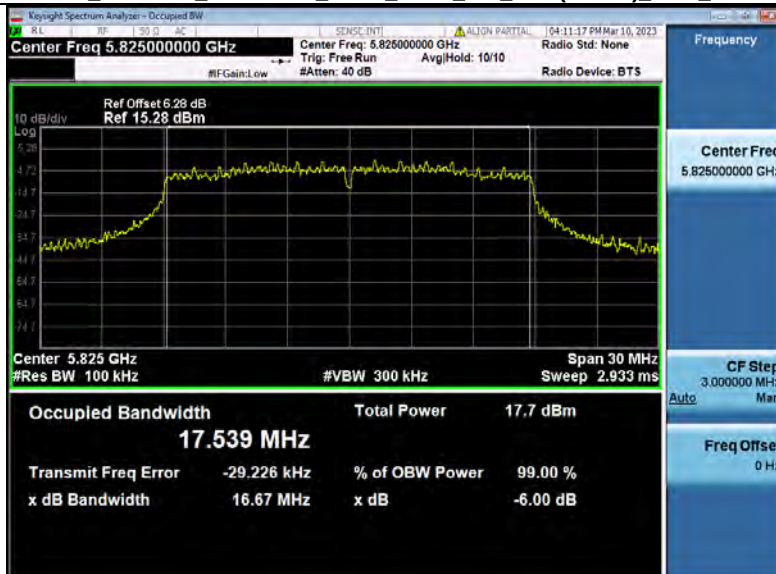
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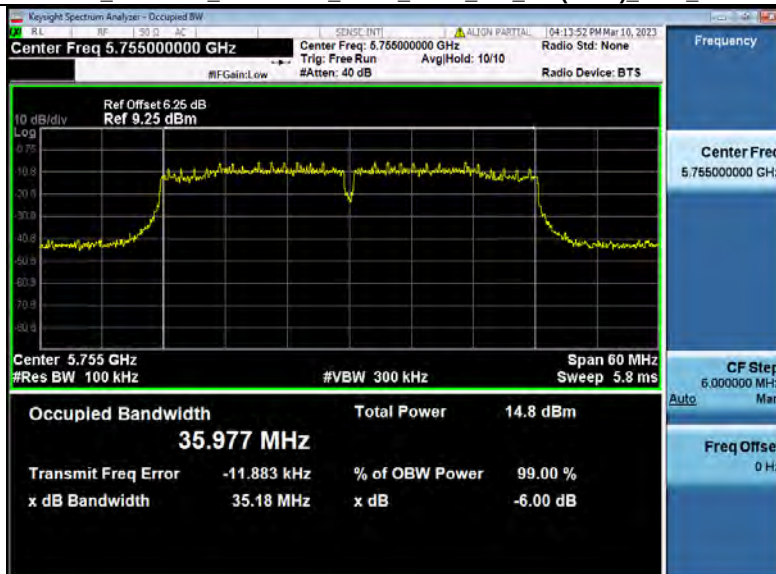
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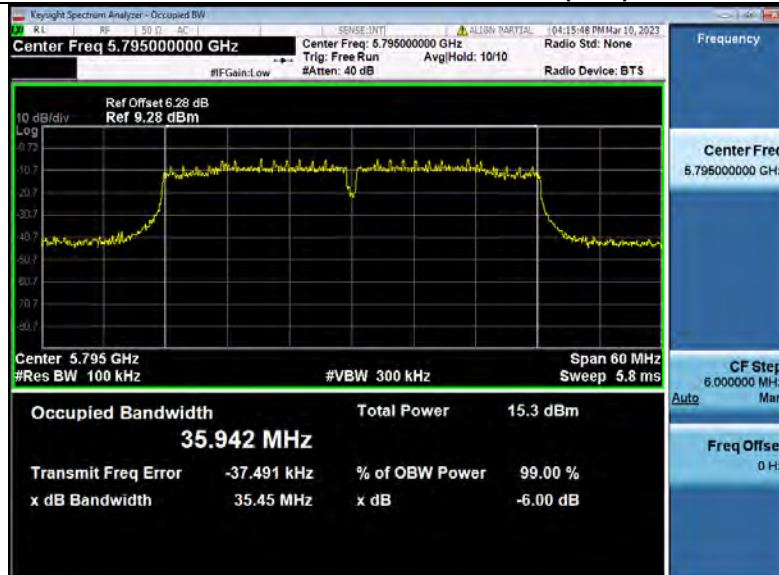
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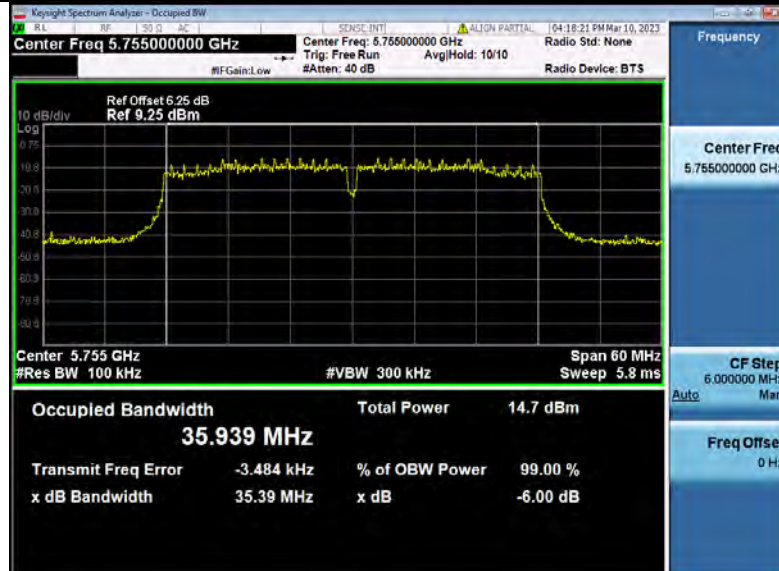
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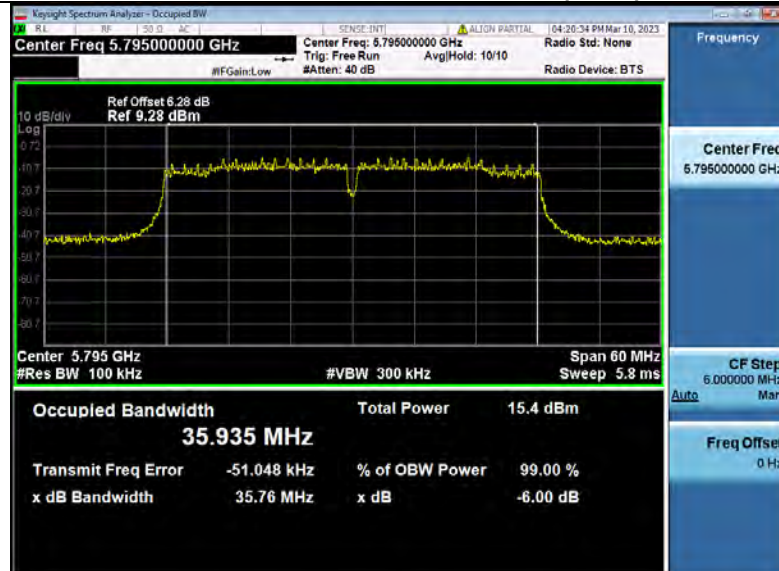
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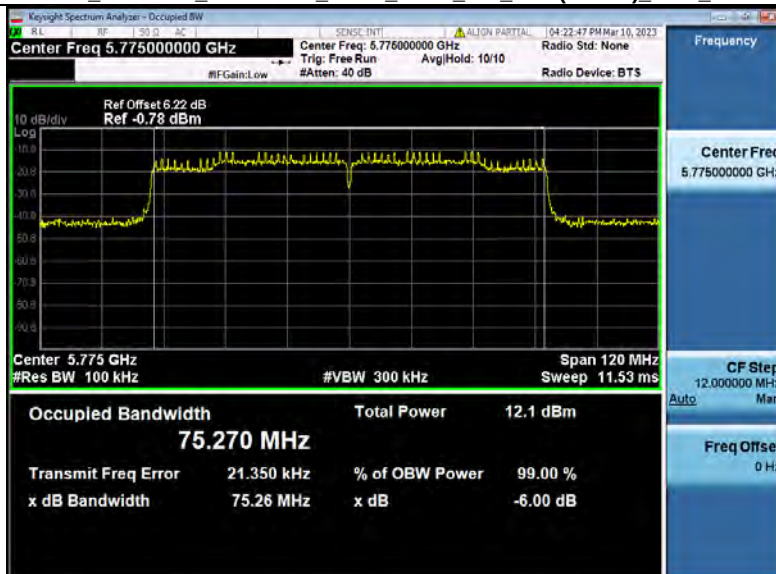
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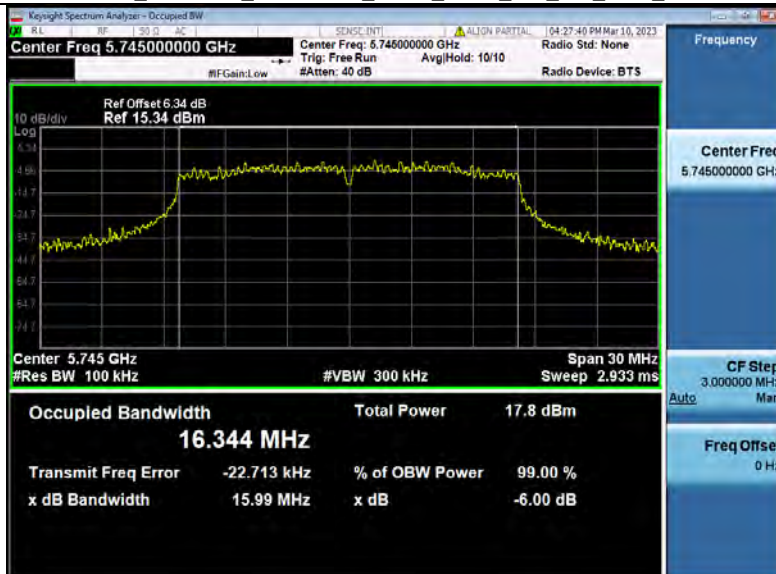
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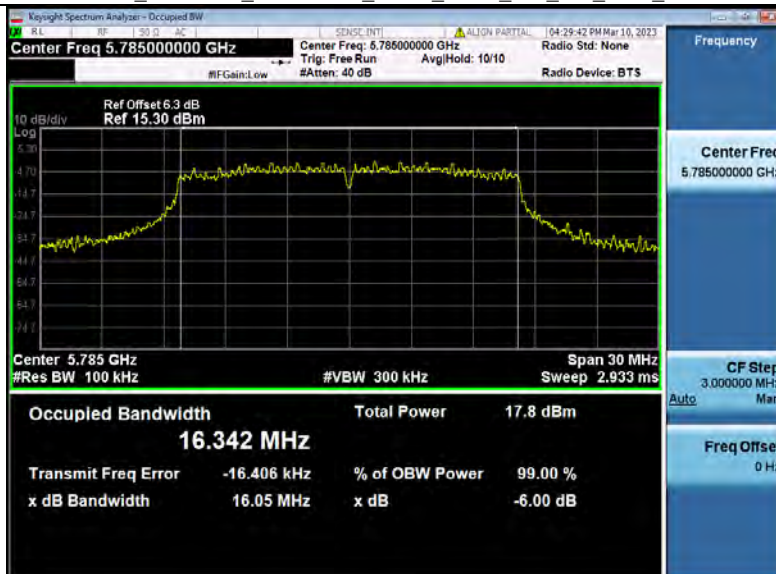
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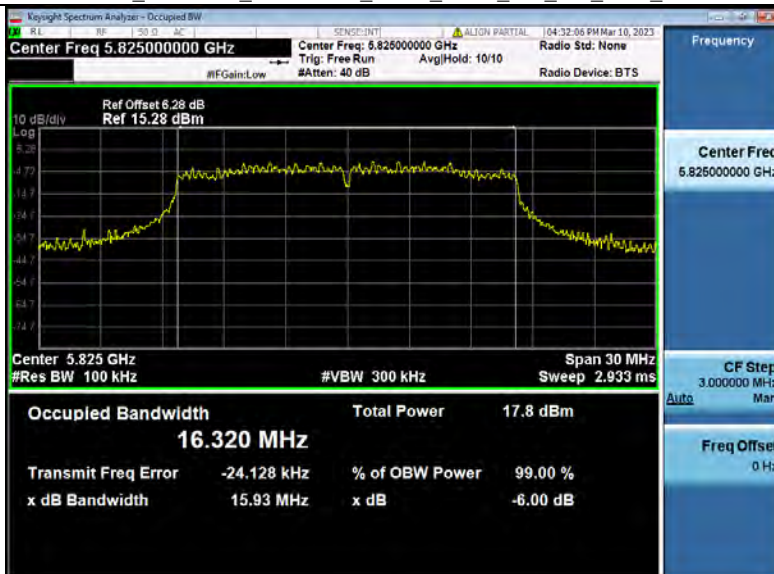
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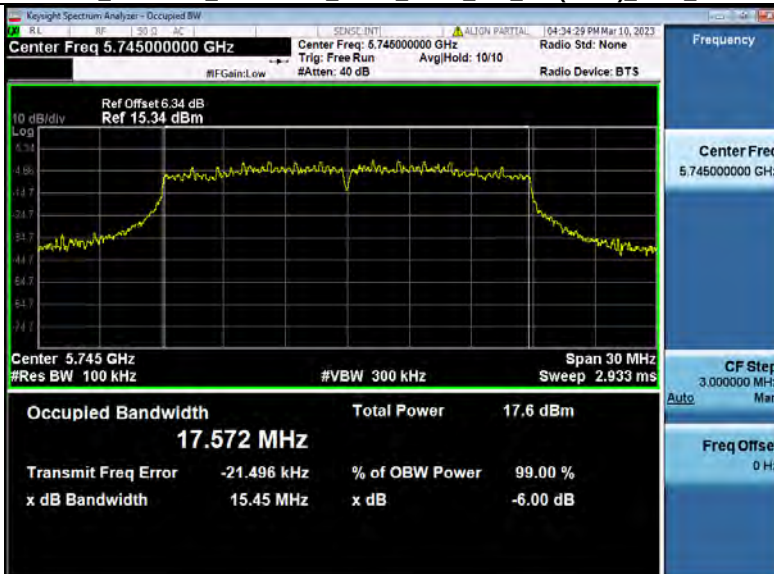
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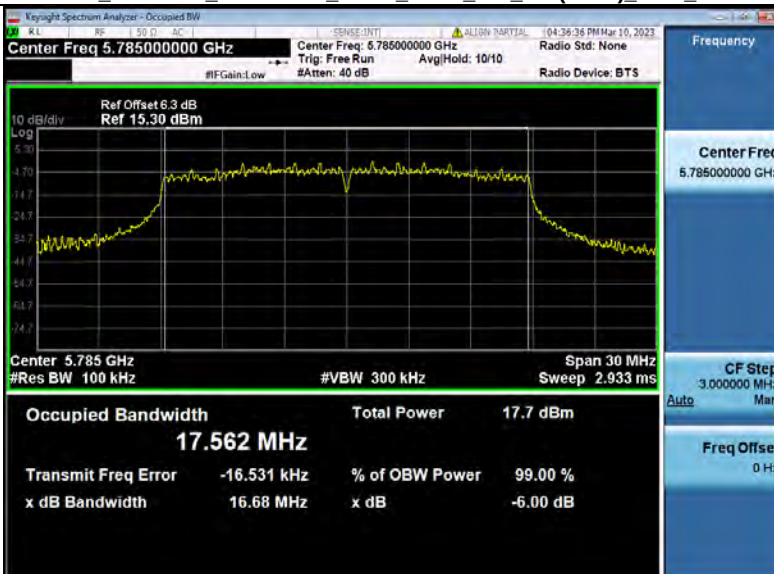
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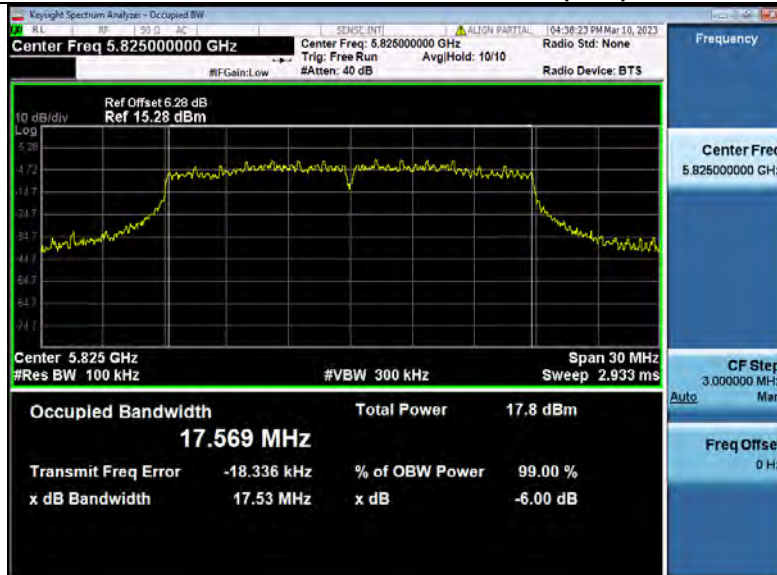
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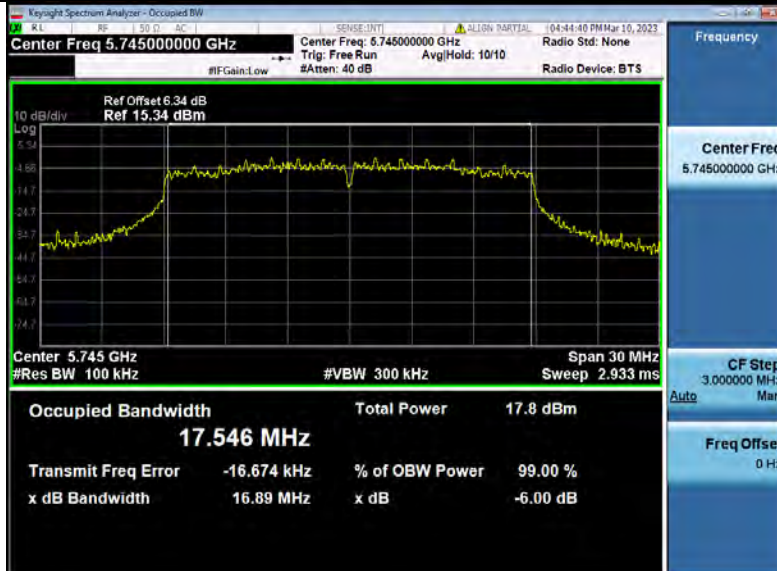
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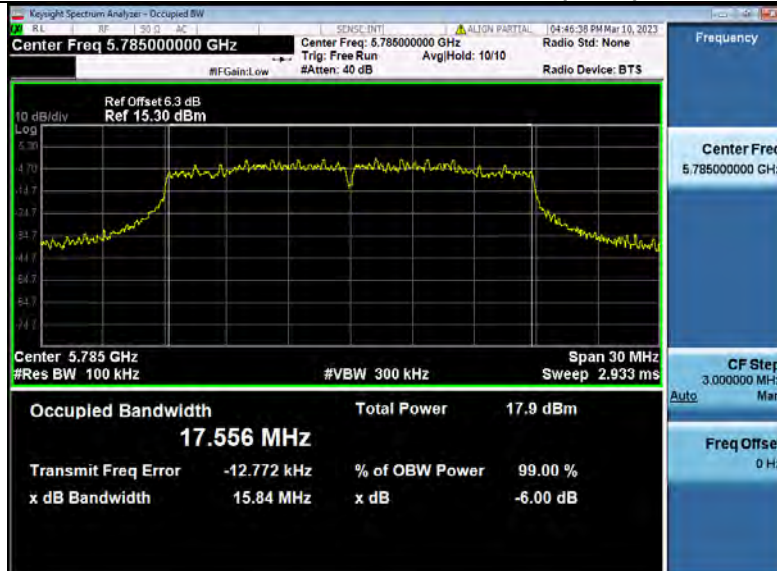
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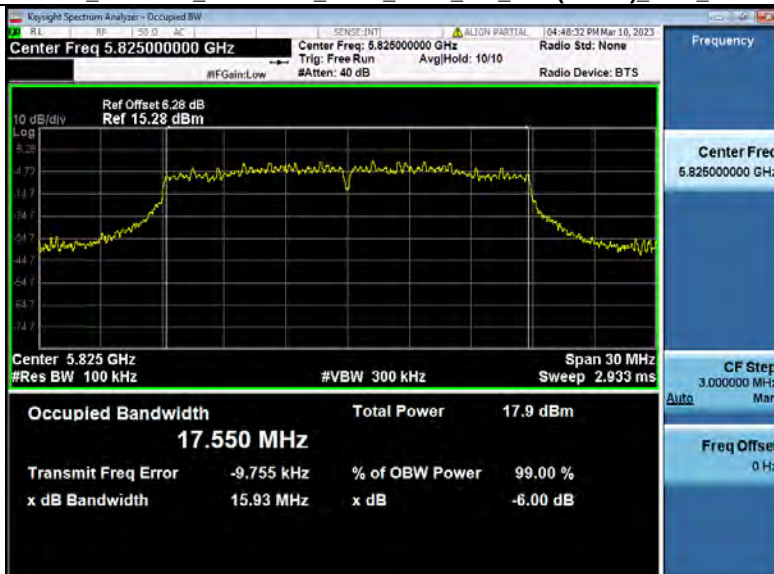
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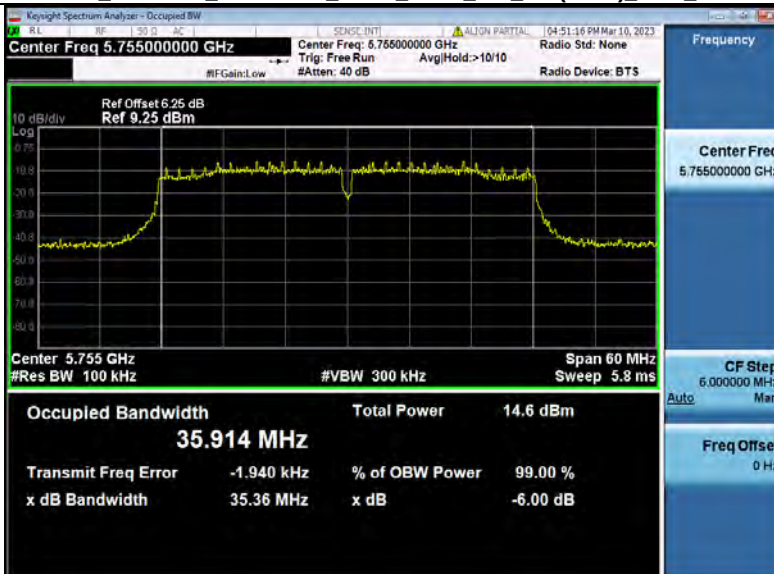
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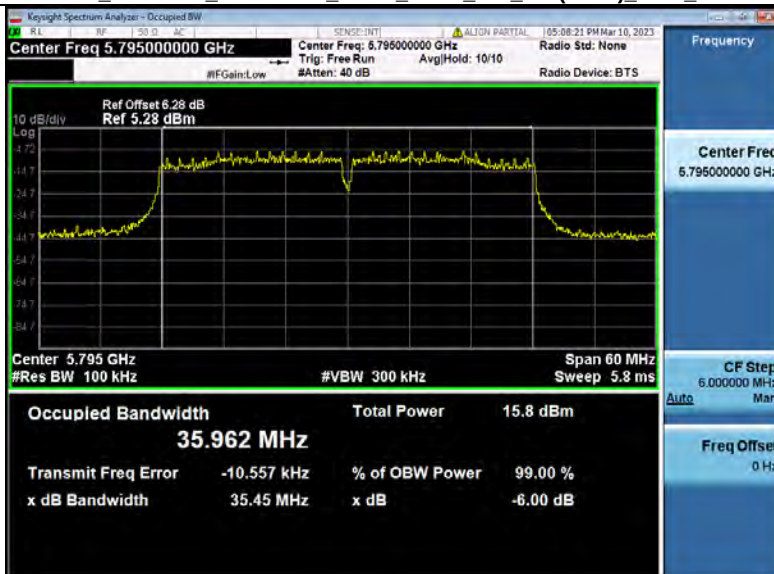
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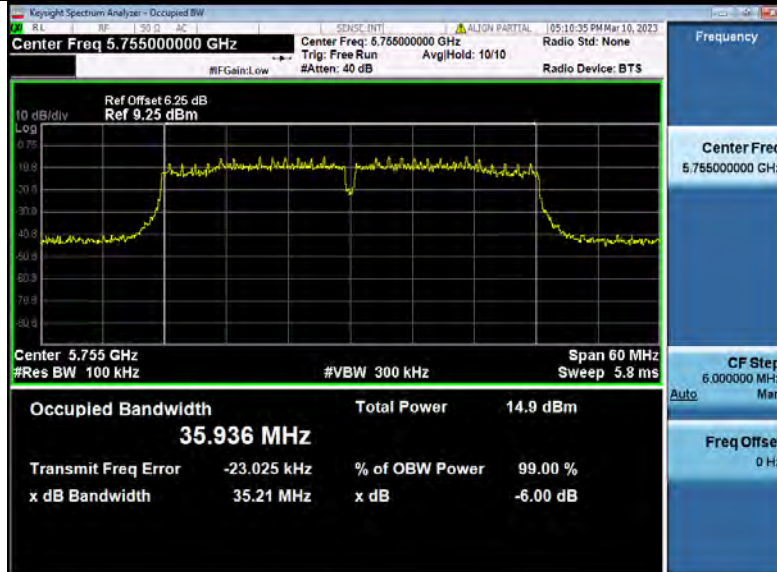
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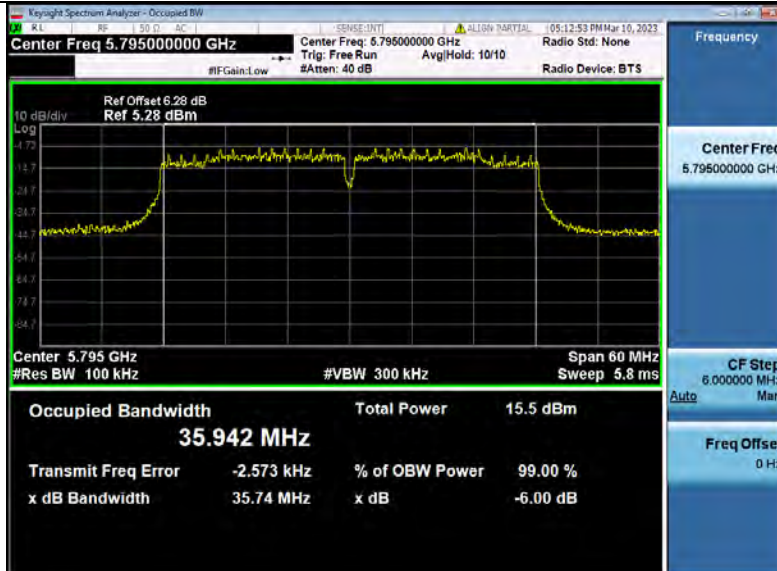
-6dB Emission Bandwidth_NVNT_ANT2_802_11n(HT40)_5795_40M



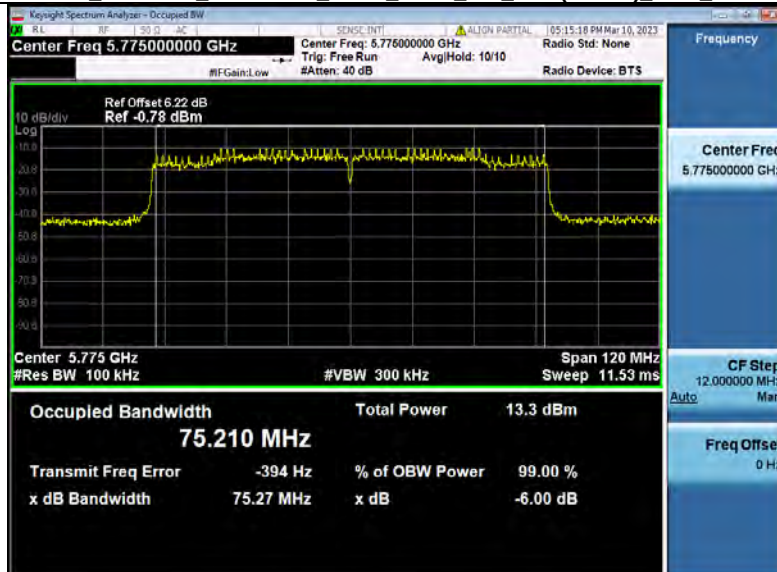
-6dB Emission Bandwidth NVNT_ANT2_802_11ac(VHT40)_5755_40M



-6dB Emission Bandwidth NVNT_ANT2_802_11ac(VHT40)_5795_40M



-6dB Emission Bandwidth NVNT_ANT2_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	16.23	16.34	30	/	/	Pass
NVNT	802.11a	5785.00	16.34	16.44	30	/	/	Pass
NVNT	802.11a	5825.00	16.24	16.77	30	/	/	Pass
NVNT	802.11n(HT20)	5745.00	15.64	16.14	30	18.91	29.53	Pass
NVNT	802.11n(HT20)	5785.00	16.21	16.30	30	19.27	29.53	Pass
NVNT	802.11n(HT20)	5825.00	16.21	16.70	30	19.47	29.53	Pass
NVNT	802.11ac(VHT20)	5745.00	15.91	16.32	30	19.13	29.53	Pass
NVNT	802.11ac(VHT20)	5785.00	16.02	16.41	30	19.23	29.53	Pass
NVNT	802.11ac(VHT20)	5825.00	16.36	16.39	30	19.39	29.53	Pass
NVNT	802.11n(HT40)	5755.00	12.59	12.98	30	15.80	29.53	Pass
NVNT	802.11n(HT40)	5795.00	13.19	13.52	30	16.37	29.53	Pass
NVNT	802.11ac(VHT40)	5755.00	12.61	13.58	30	16.13	29.53	Pass
NVNT	802.11ac(VHT40)	5795.00	13.24	13.74	30	16.51	29.53	Pass
NVNT	802.11ac(VHT80)	5775.00	10.33	10.78	30	13.57	29.53	Pass

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

4. Power Spectral Density

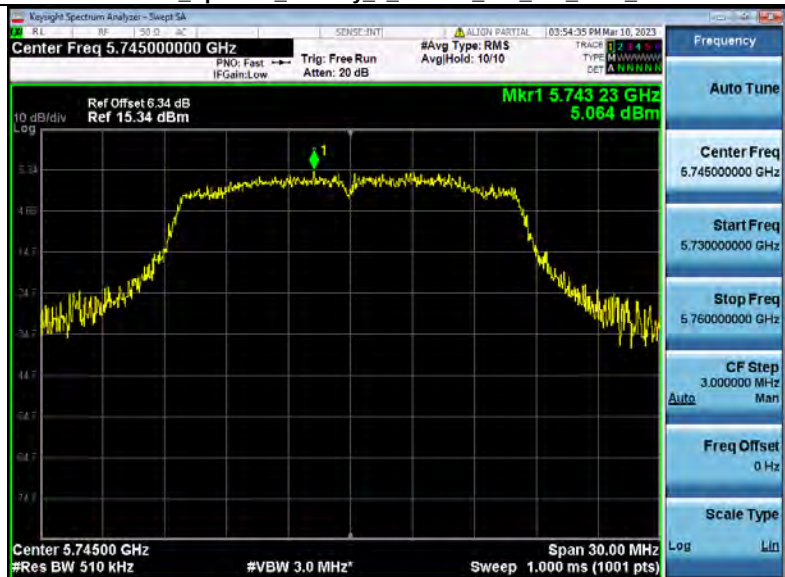
Condition	Antenna	Modulation	Frequency (MHz)	PSD_SA (dBm/510KHz)	PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
NVNT	ANT1	802.11a	5745.00	5.064	4.978	30	Pass
NVNT	ANT1	802.11a	5785.00	4.936	4.850	30	Pass
NVNT	ANT1	802.11a	5825.00	4.750	4.664	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	4.336	4.250	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	4.895	4.809	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	5.575	5.489	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	5.069	4.983	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	4.941	4.855	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	5.680	5.594	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	-1.941	-2.027	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	-1.573	-1.659	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	-1.922	-2.008	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	-1.209	-1.295	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	-7.680	-7.766	30	Pass

Condition	Antenna	Modulation	Frequency (MHz)	PSD_SA (dBm/510KHz)	PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
NVNT	ANT2	802.11a	5745.00	5.258	5.172	30	Pass
NVNT	ANT2	802.11a	5785.00	5.414	5.328	30	Pass
NVNT	ANT2	802.11a	5825.00	5.492	5.406	30	Pass
NVNT	ANT2	802.11n(HT20)	5745.00	4.162	4.076	30	Pass
NVNT	ANT2	802.11n(HT20)	5785.00	5.173	5.087	30	Pass
NVNT	ANT2	802.11n(HT20)	5825.00	5.714	5.628	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5745.00	5.692	5.606	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5785.00	5.244	5.158	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5825.00	4.909	4.823	30	Pass
NVNT	ANT2	802.11n(HT40)	5755.00	-1.510	-1.596	30	Pass
NVNT	ANT2	802.11n(HT40)	5795.00	-1.525	-1.611	30	Pass
NVNT	ANT2	802.11ac(VHT40)	5755.00	-1.458	-1.544	30	Pass
NVNT	ANT2	802.11ac(VHT40)	5795.00	-0.670	-0.756	30	Pass
NVNT	ANT2	802.11ac(VHT80)	5775.00	-6.736	-6.822	30	Pass

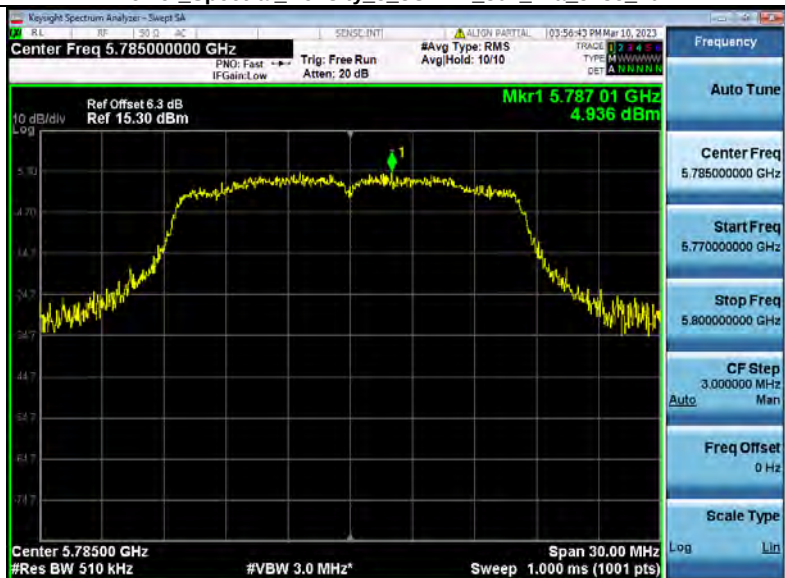
Condition	Antenna	Modulation	Frequency (MHz)	PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
NVNT	MIMO	802.11n(HT20)	5745.00	7.17	29.53	Pass
NVNT	MIMO	802.11n(HT20)	5785.00	7.96	29.53	Pass
NVNT	MIMO	802.11n(HT20)	5825.00	8.57	29.53	Pass
NVNT	MIMO	802.11ac(VHT20)	5745.00	8.32	29.53	Pass
NVNT	MIMO	802.11ac(VHT20)	5785.00	8.02	29.53	Pass
NVNT	MIMO	802.11ac(VHT20)	5825.00	8.24	29.53	Pass
NVNT	MIMO	802.11n(HT40)	5755.00	1.20	29.53	Pass
NVNT	MIMO	802.11n(HT40)	5795.00	1.38	29.53	Pass
NVNT	MIMO	802.11ac(VHT40)	5755.00	1.24	29.53	Pass
NVNT	MIMO	802.11ac(VHT40)	5795.00	1.99	29.53	Pass
NVNT	MIMO	802.11ac(VHT80)	5775.00	-4.26	29.53	Pass

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

Power Spectral Density 5_8WiFi 802_11a 5745_20M

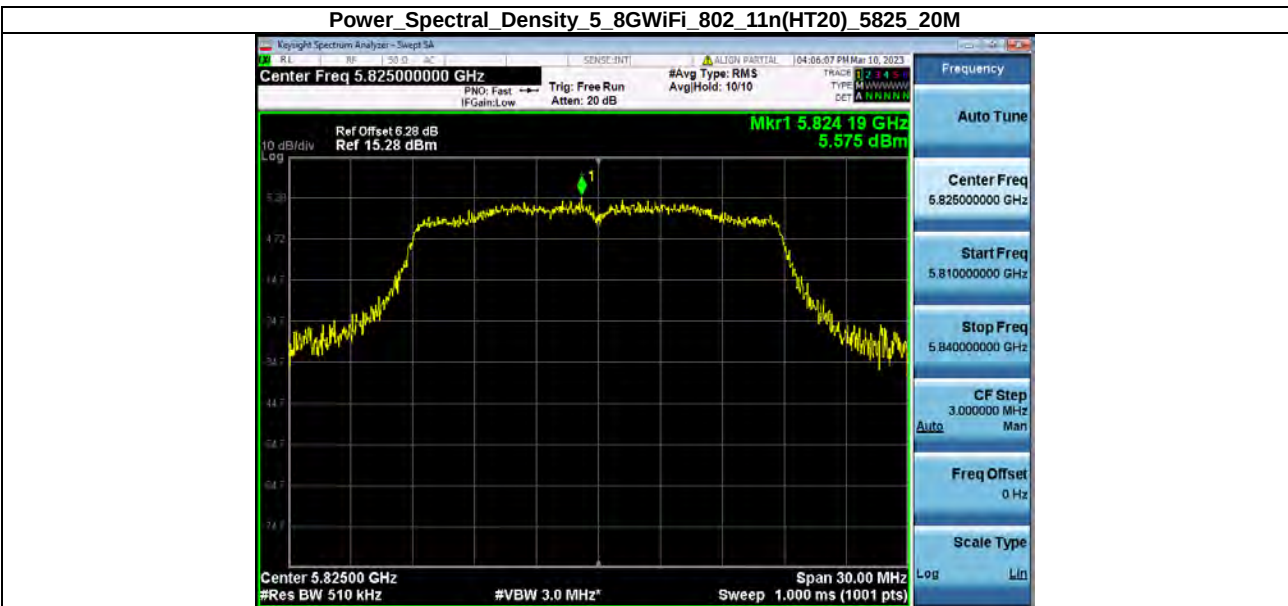


Power Spectral Density 5_8WiFi 802_11a 5785_20M



Power Spectral Density 5_8WiFi 802_11a 5825_20M

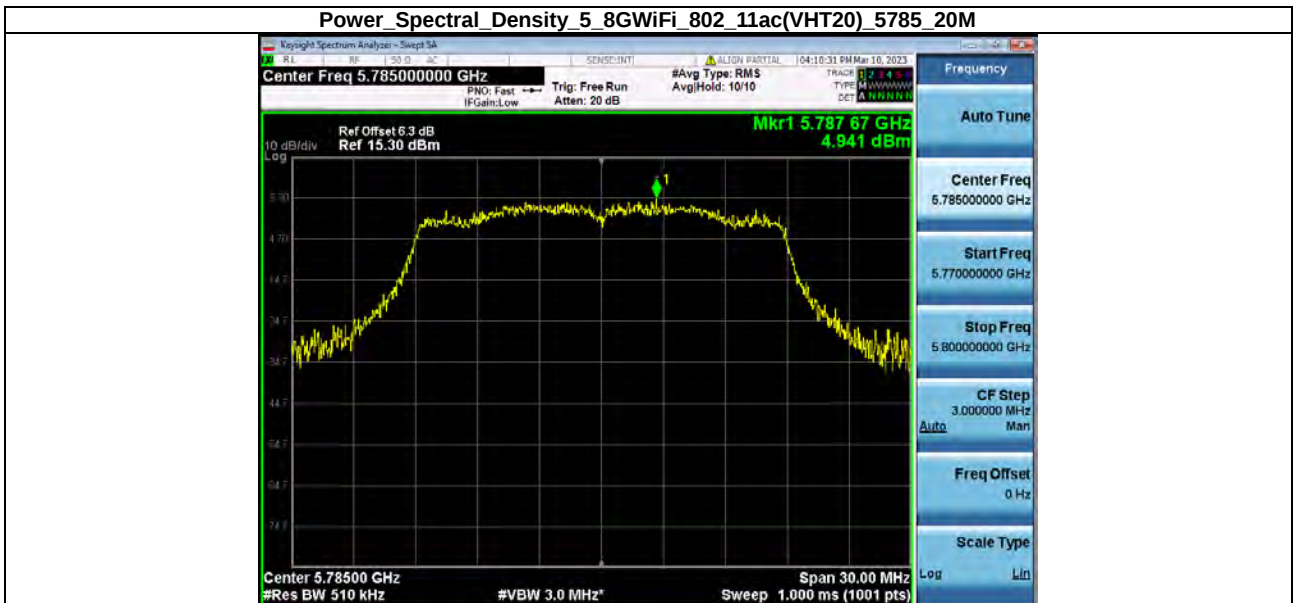




Power_Spectral_Density_5_8WiFi_802_11ac(VHT20)_5745_20M



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



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

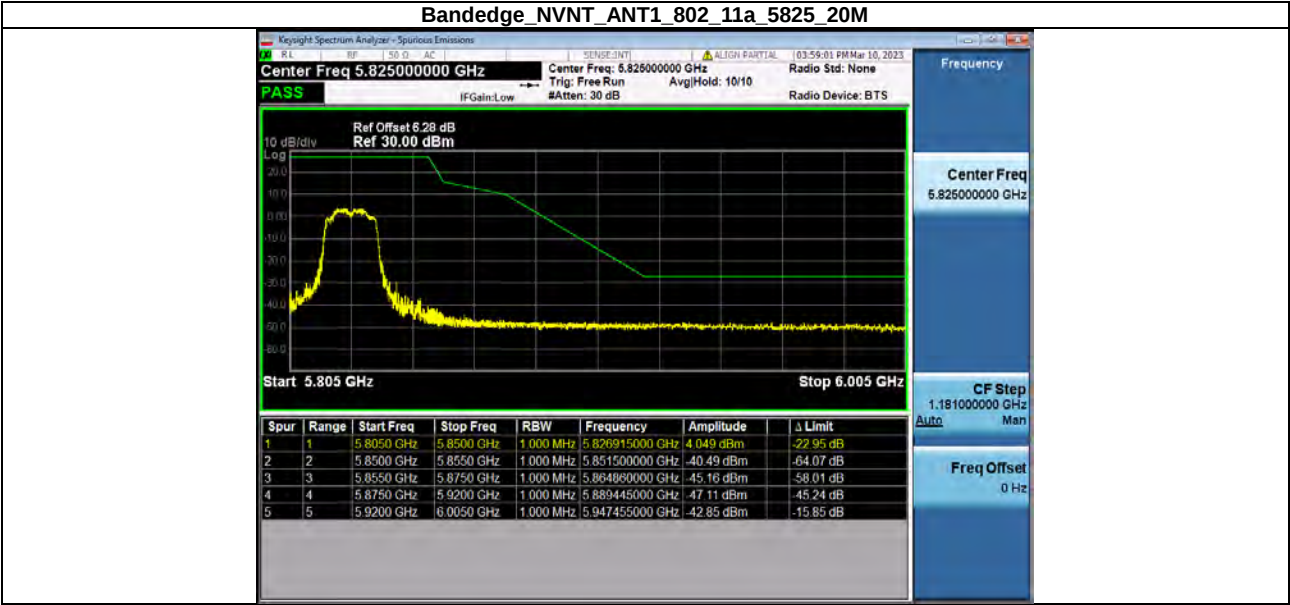
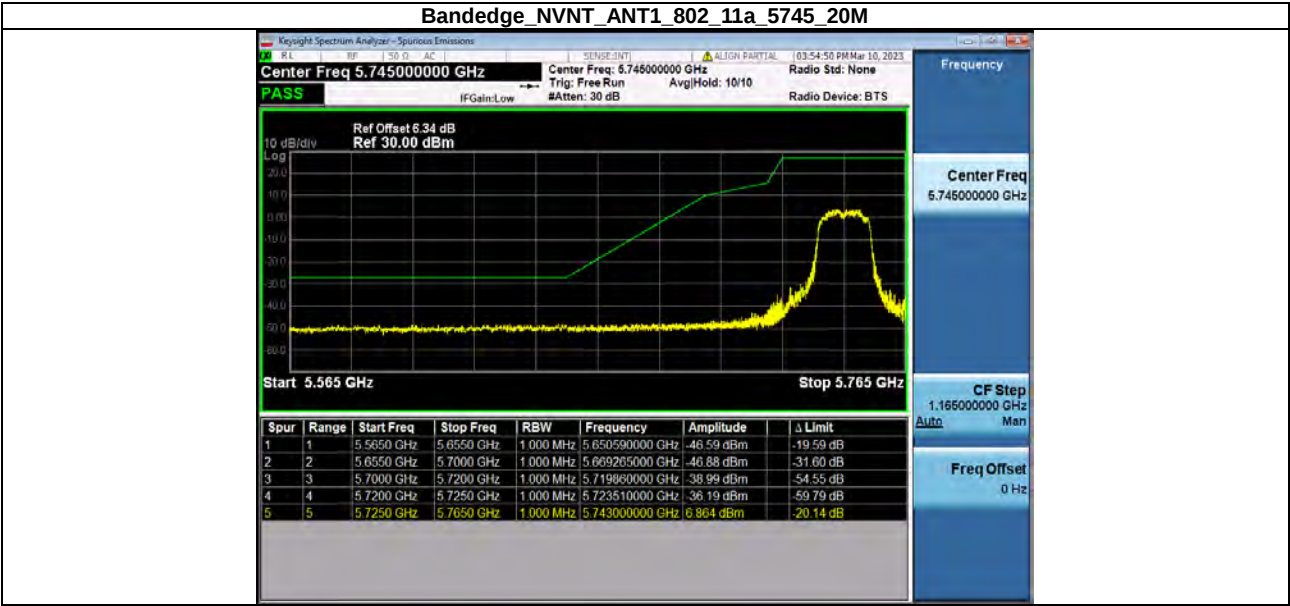




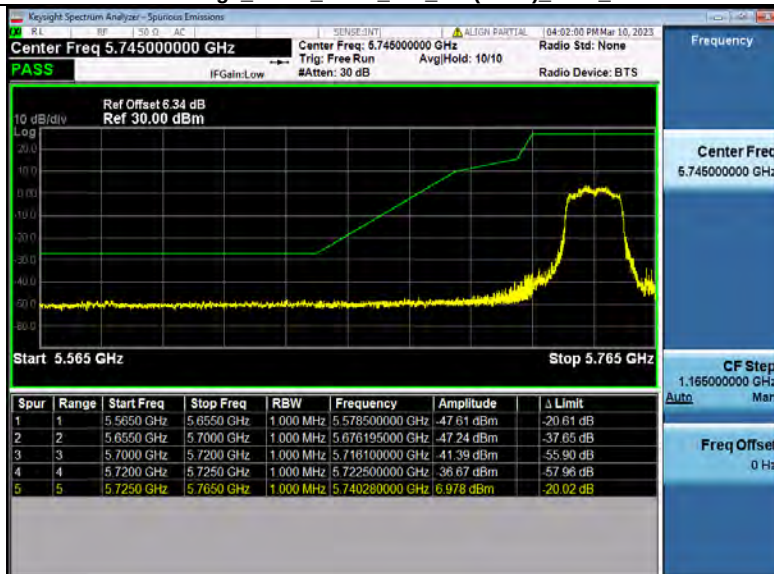


5. Bandedge

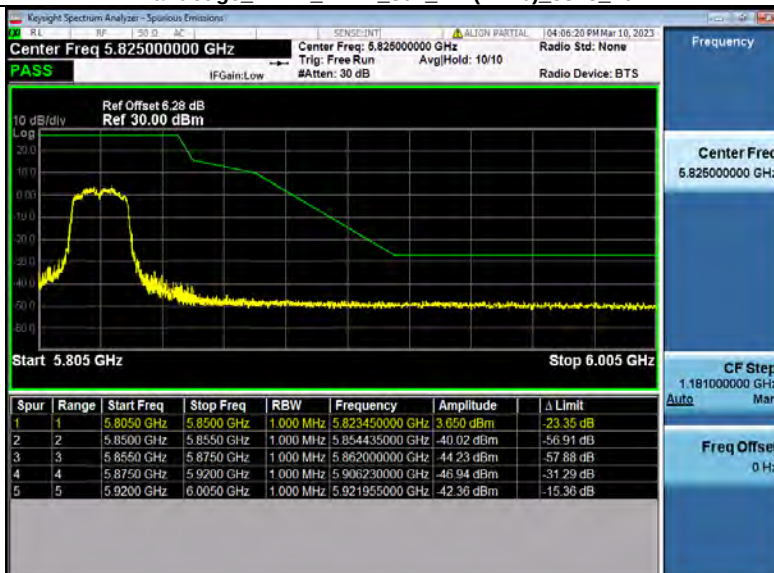
ANT1



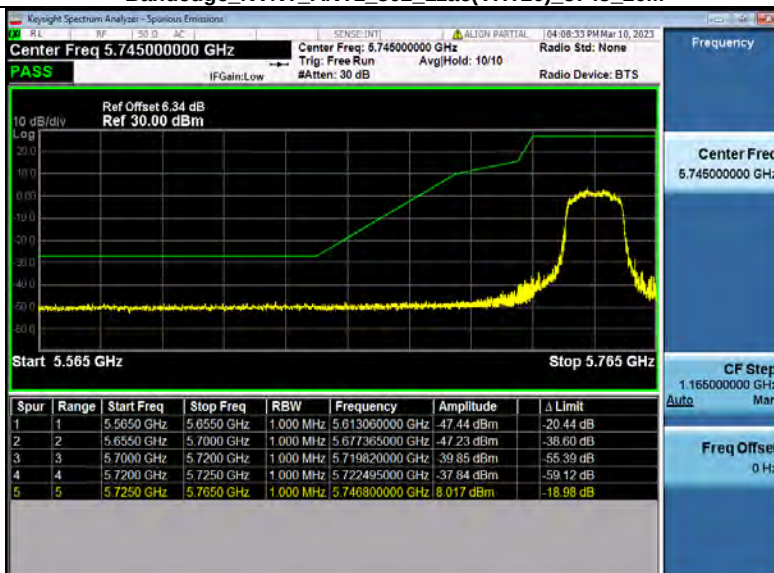
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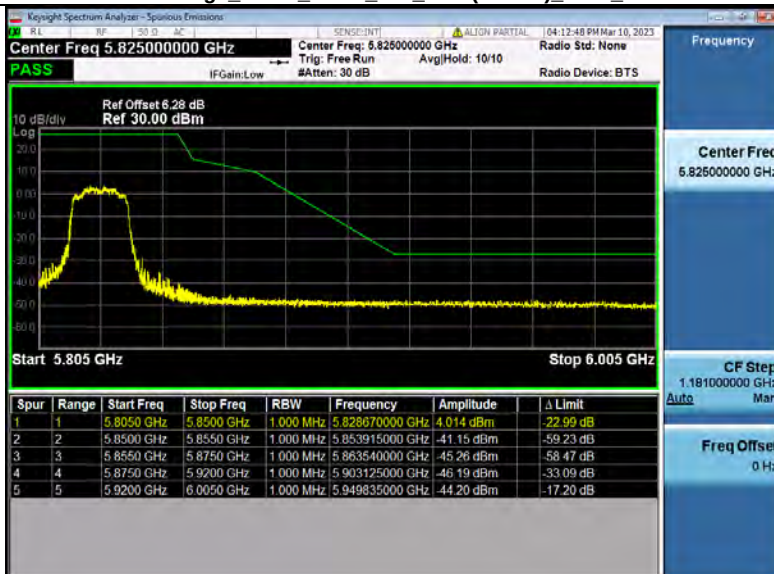
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Bandedge_NVNT_ANT1_802_11ac(VHT20)_5745_20M



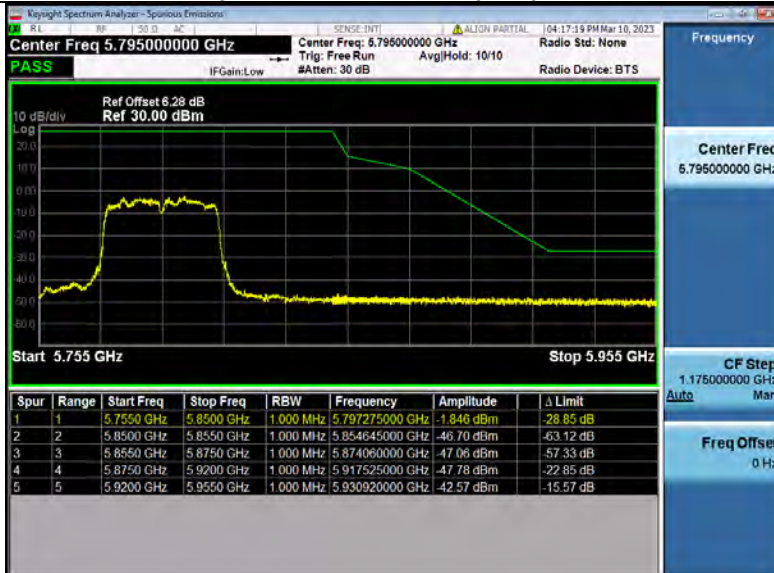
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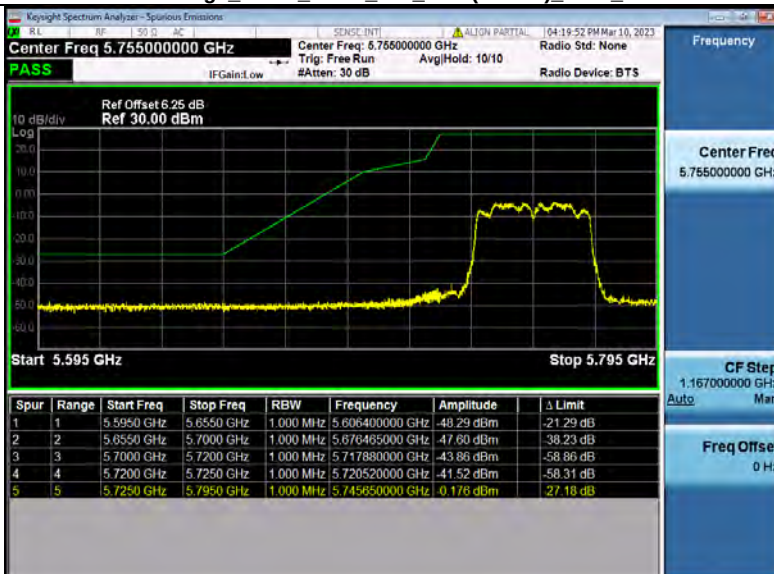
Bandedge_NVNT_ANT1_802_11n(HT40) 5755_40M



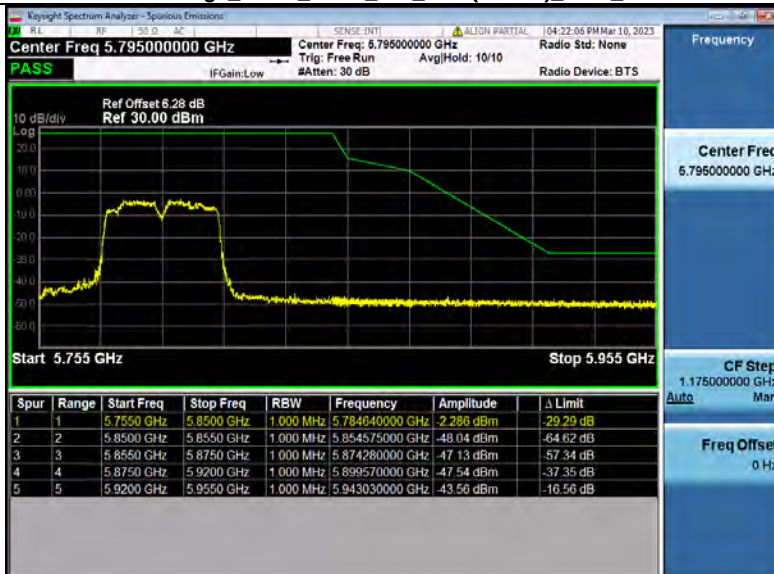
Bandedge_NVNT_ANT1_802_11n(HT40) 5795_40M



Bandedge_NVNT_ANT1_802_11ac(VHT40) 5755_40M



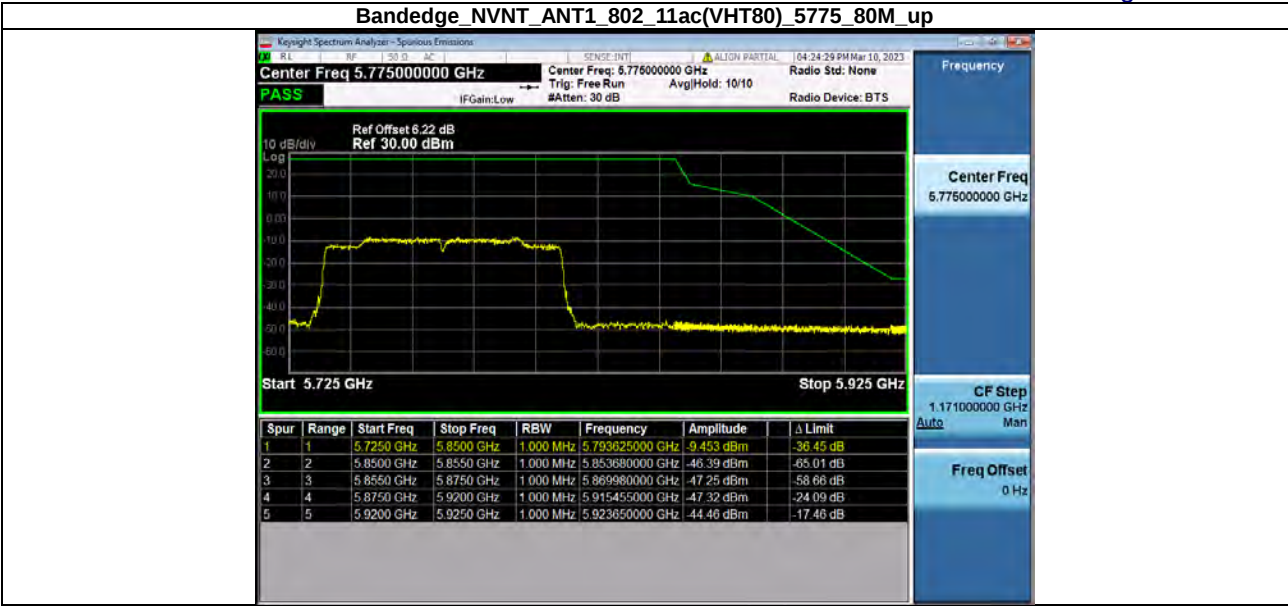
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Bandedge_NVNT_ANT1_802_11ac(VHT80) 5775_80M_low

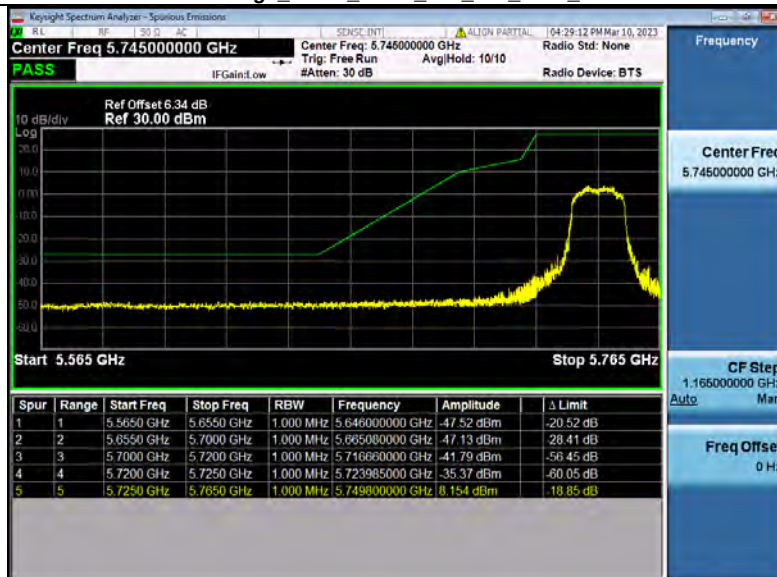


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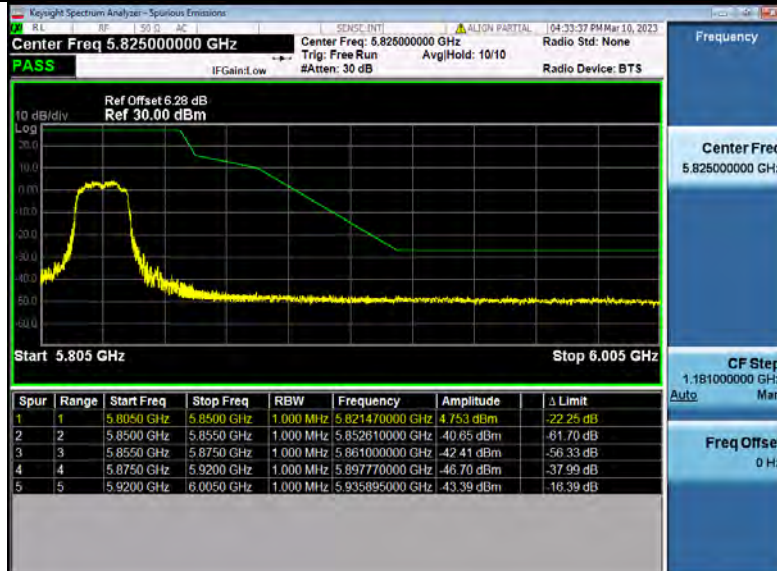


ANT2

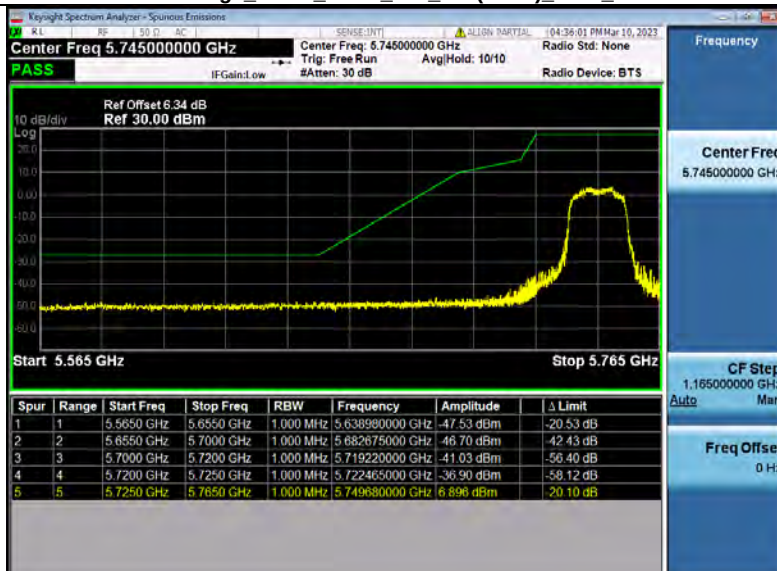
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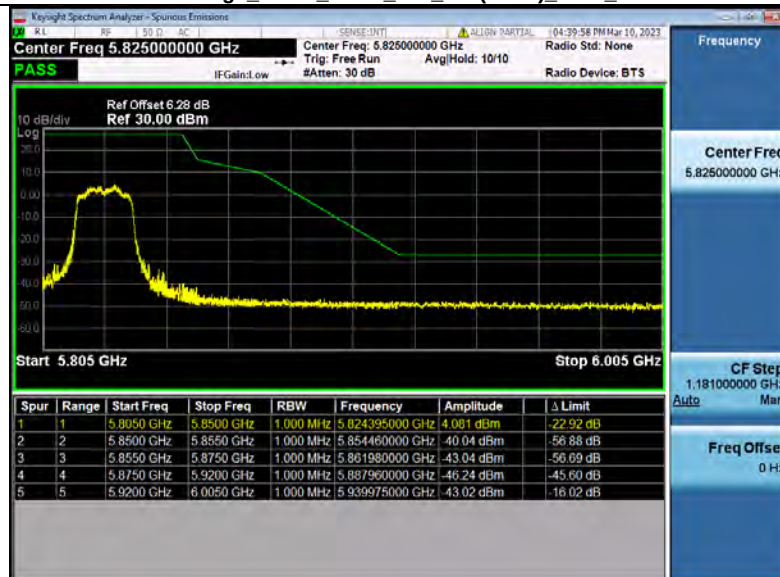
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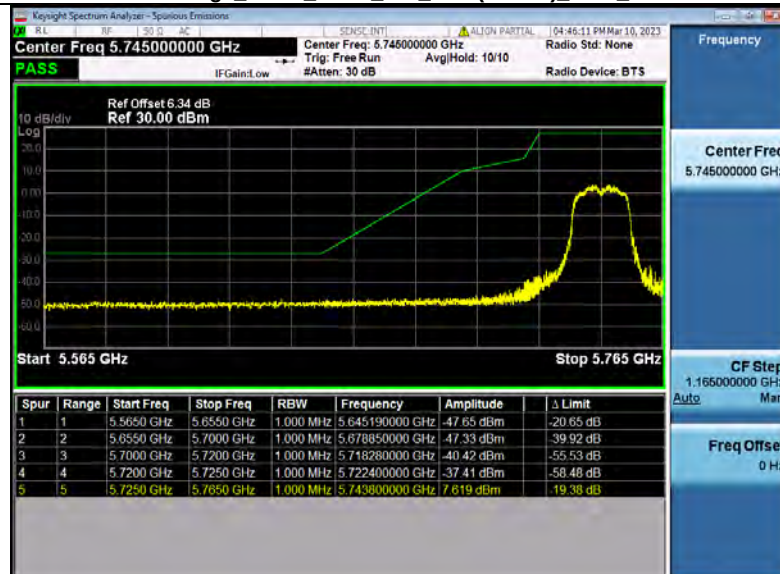
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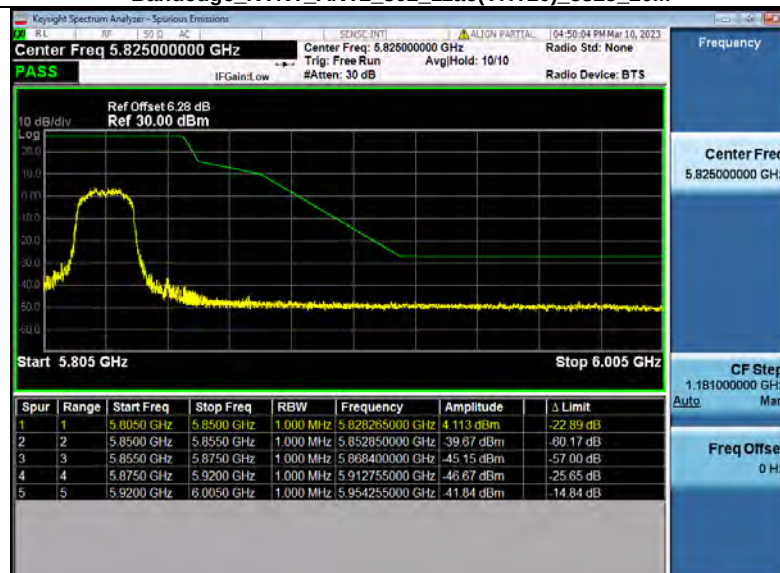
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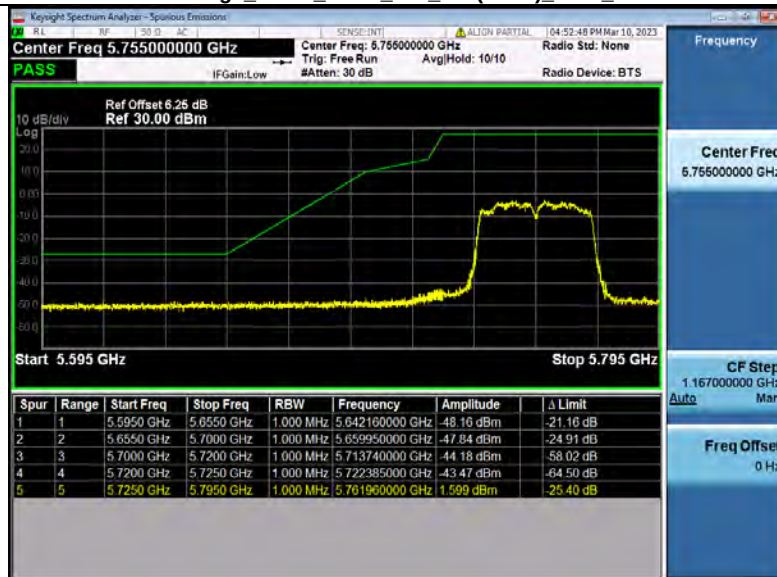
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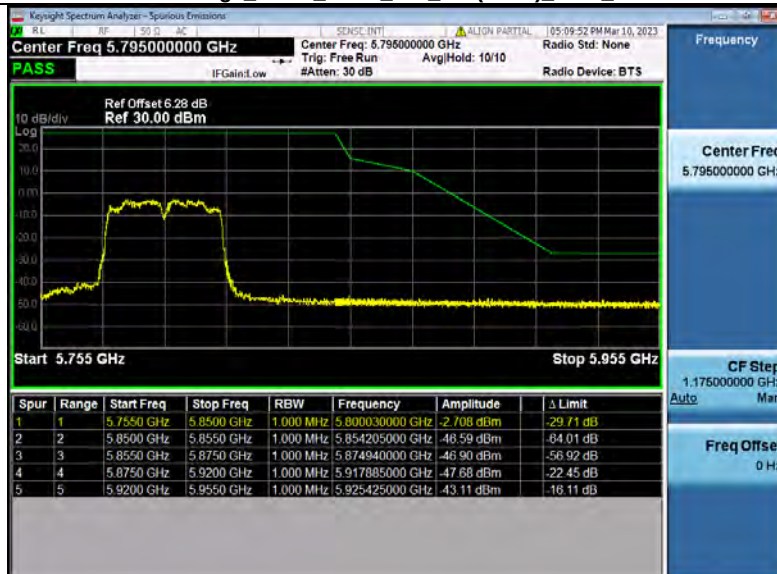
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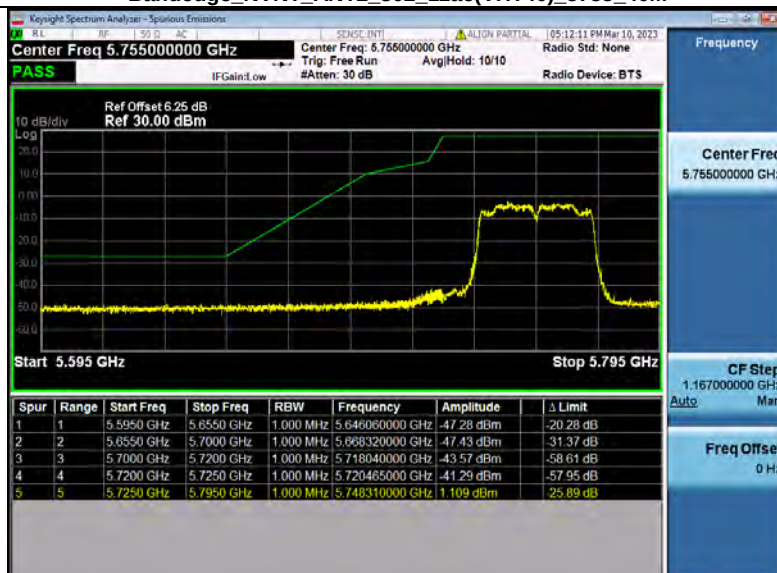
Bandedge_NVNT_ANT2_802_11n(HT40)_5755_40M



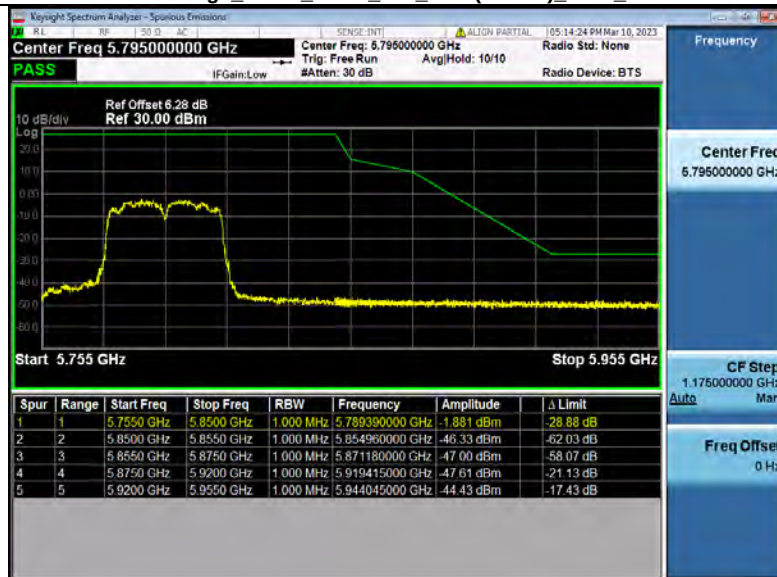
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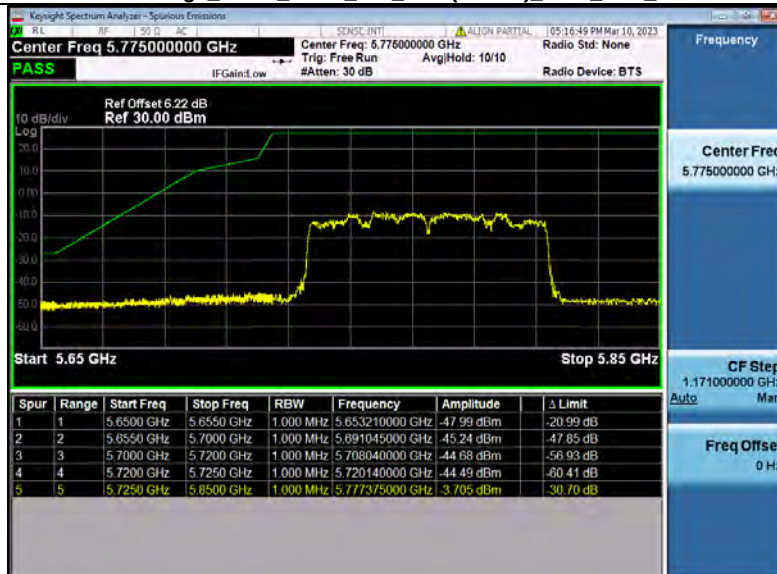
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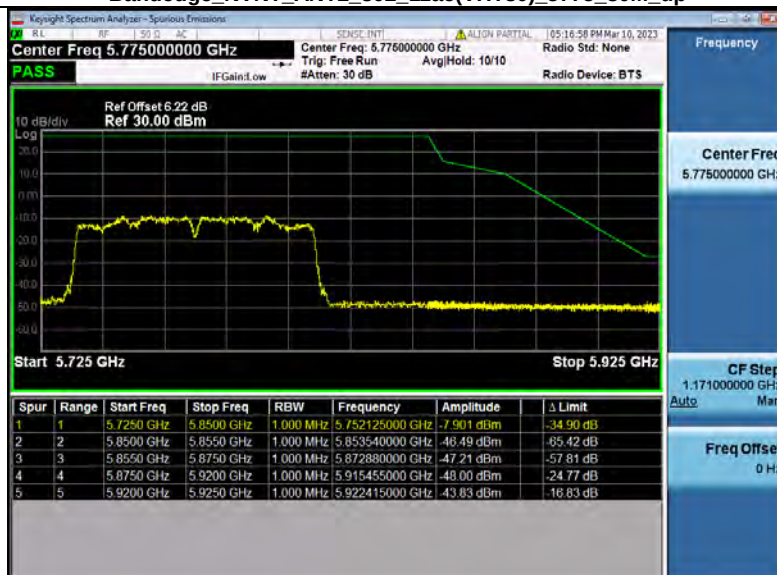
Bandedge_NVNT_ANT2_802_11ac(VHT40)_5795_40M



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 *******