

Appendix-5.2GWIFI

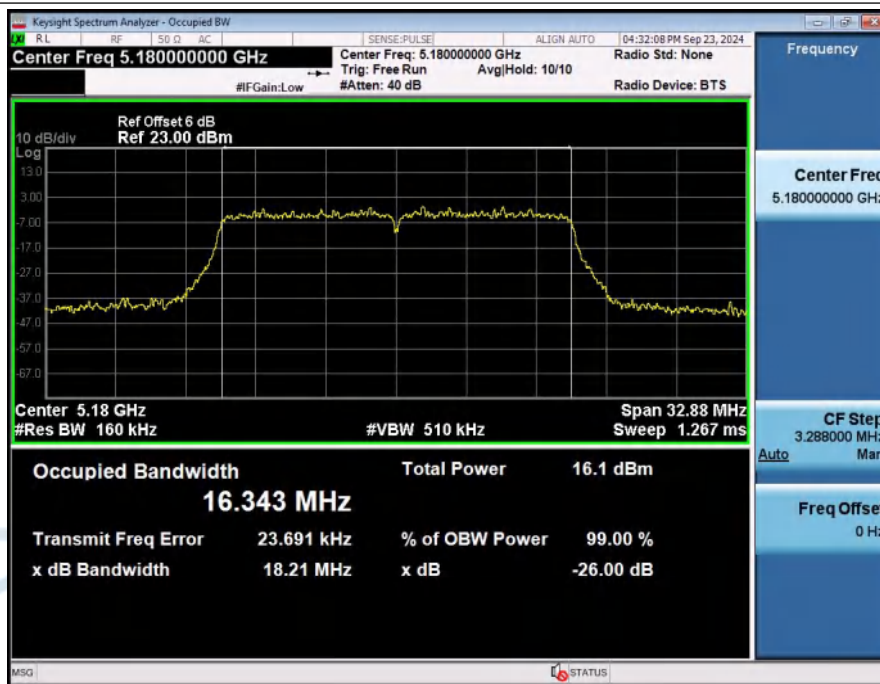
HT240920003--V7S--5.2G--FCC-1

FCC_5.2G_WIFI (Part15.407) Test Data

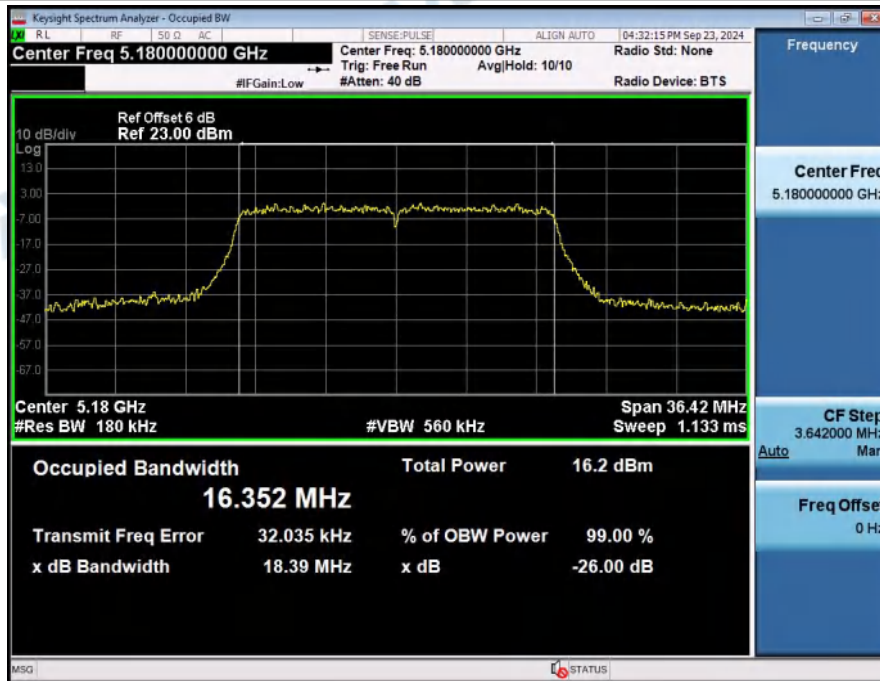
1. -26dB and 99% Emission Bandwidth

Condition	Antenna	Modulation	Frequency(MHz)	-26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5180.00	18.39	16.34
NVNT	ANT1	802.11a	5200.00	18.34	16.32
NVNT	ANT1	802.11a	5240.00	18.34	16.33
NVNT	ANT1	802.11ac(VHT20)	5180.00	19.37	17.55
NVNT	ANT1	802.11ac(VHT20)	5200.00	19.35	17.52
NVNT	ANT1	802.11ac(VHT20)	5240.00	19.32	17.56
NVNT	ANT1	802.11ac(VHT40)	5190.00	40.28	36.08
NVNT	ANT1	802.11ac(VHT40)	5230.00	40.47	36.03
NVNT	ANT1	802.11ac(VHT80)	5210.00	80.75	74.50

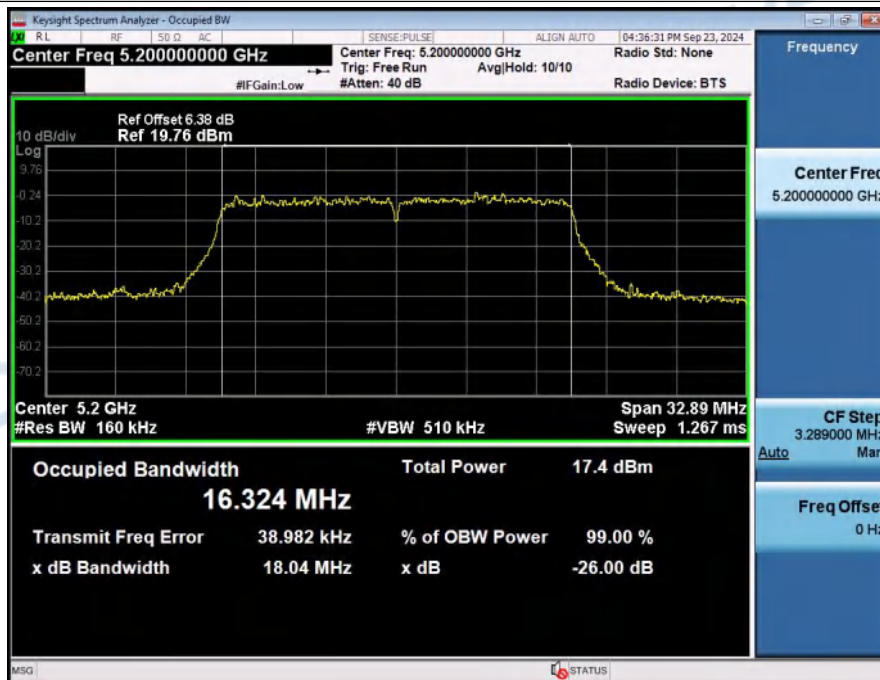
99%_OCB_NVNT_ANT1_802_11a_5180



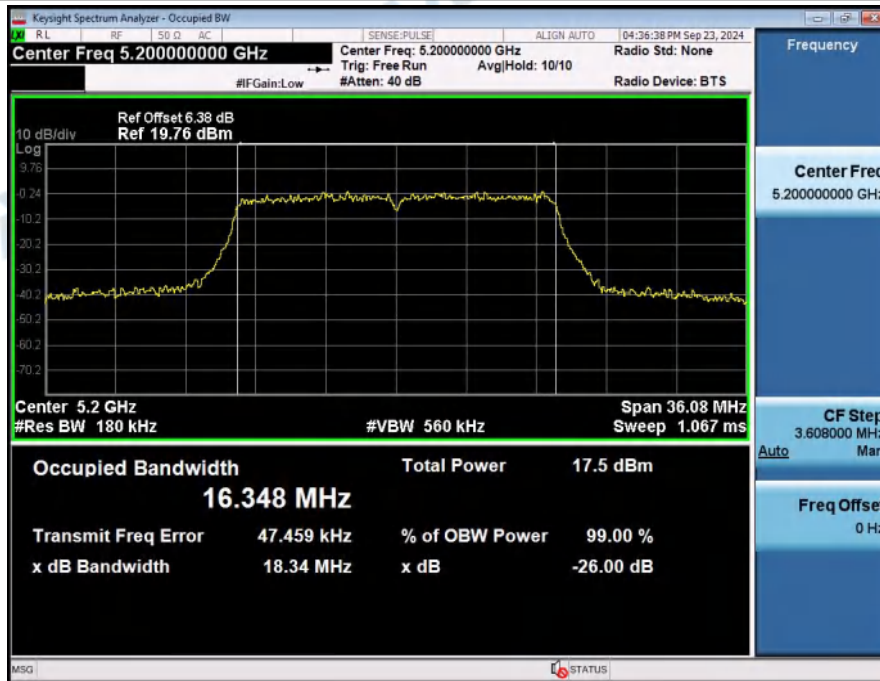
-26BW_NVNT_ANT1_802_11a_5180



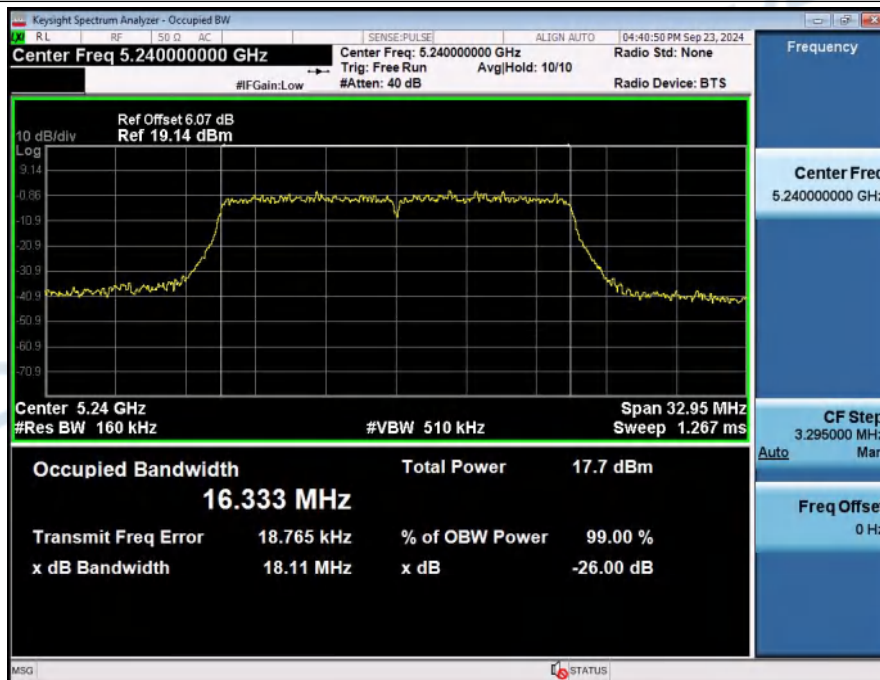
99%_OCB_NVNT_ANT1_802_11a_5200



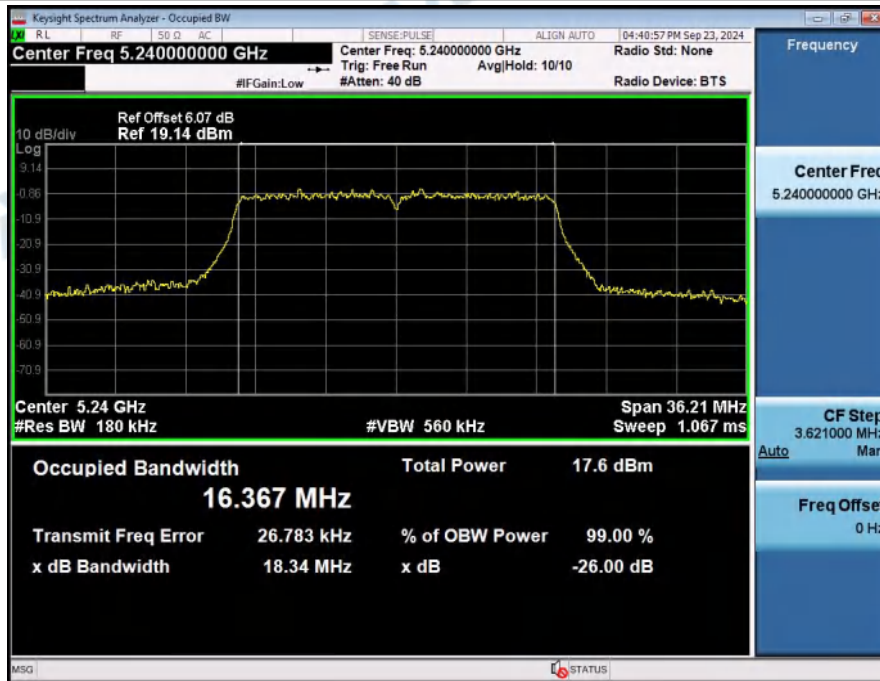
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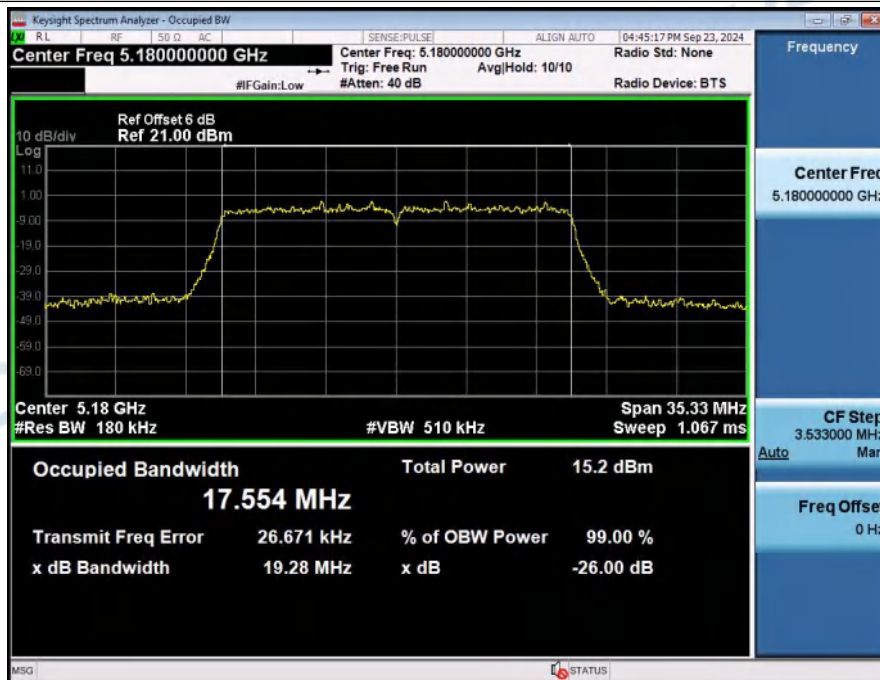
99%_OCB_NVNT_ANT1_802_11a_5240



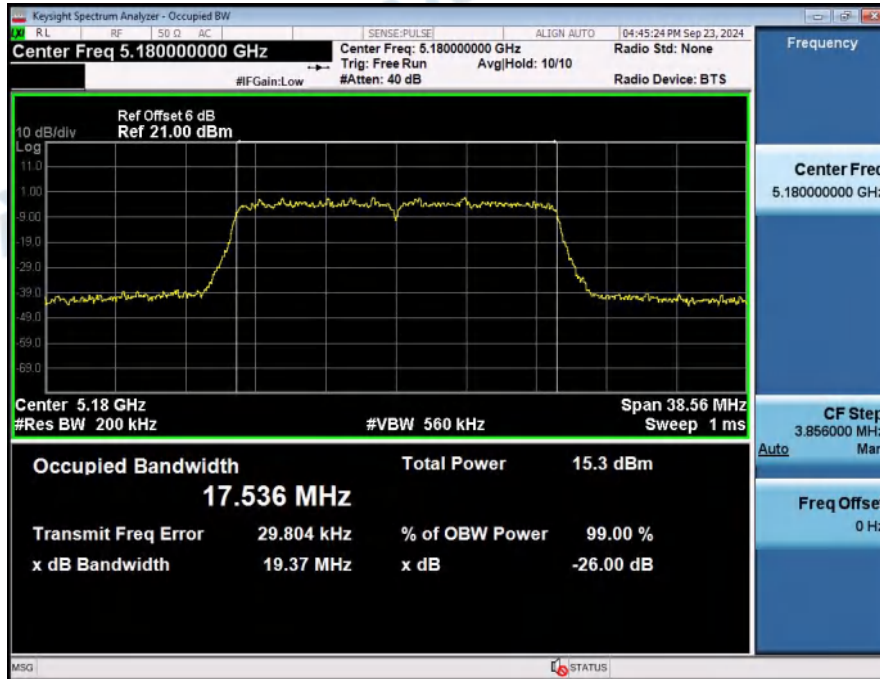
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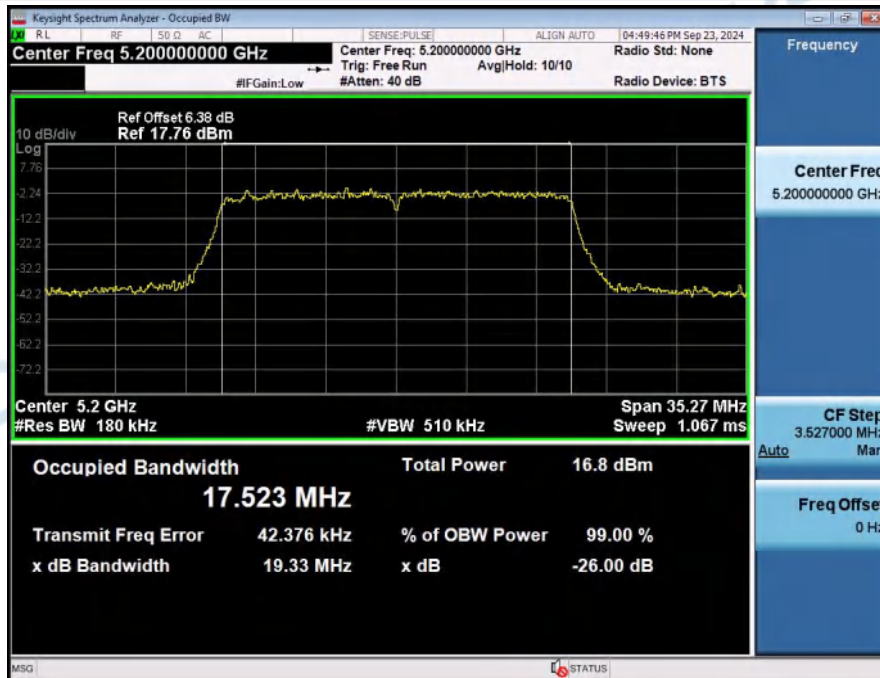
99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5180



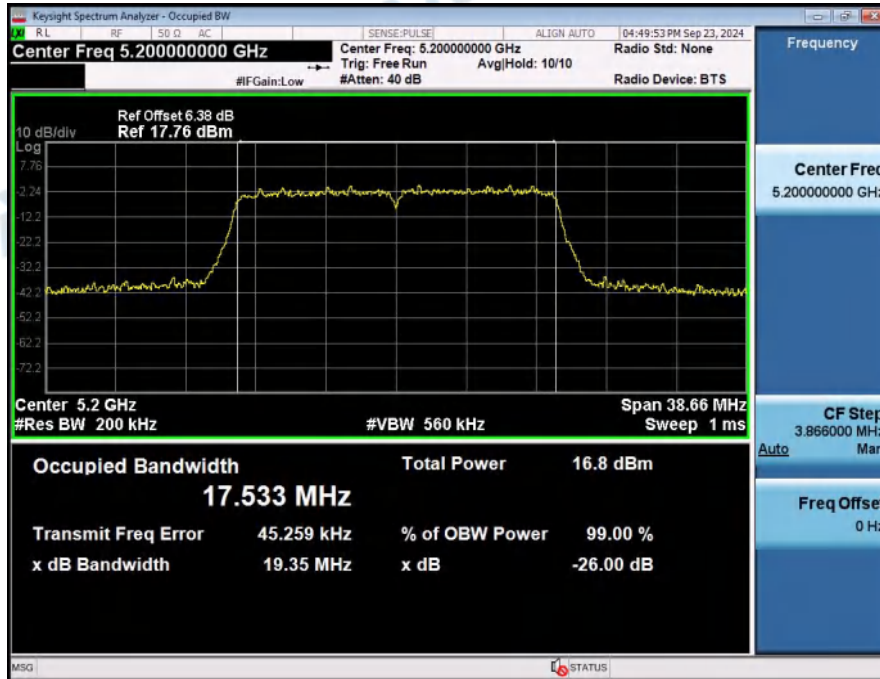
-26BW_NVNT_ANT1_802_11ac(VHT20)_5180



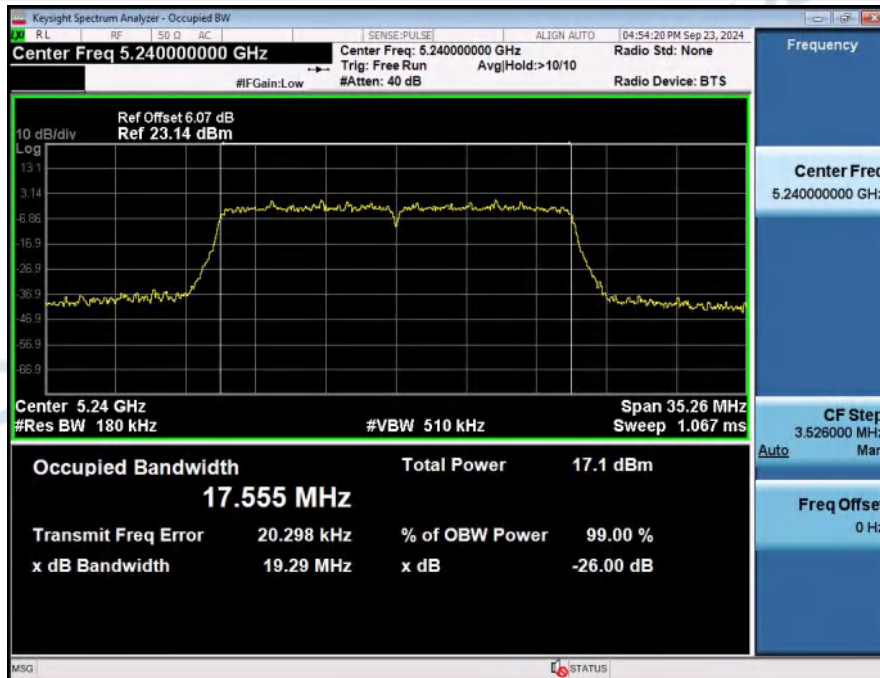
99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5200



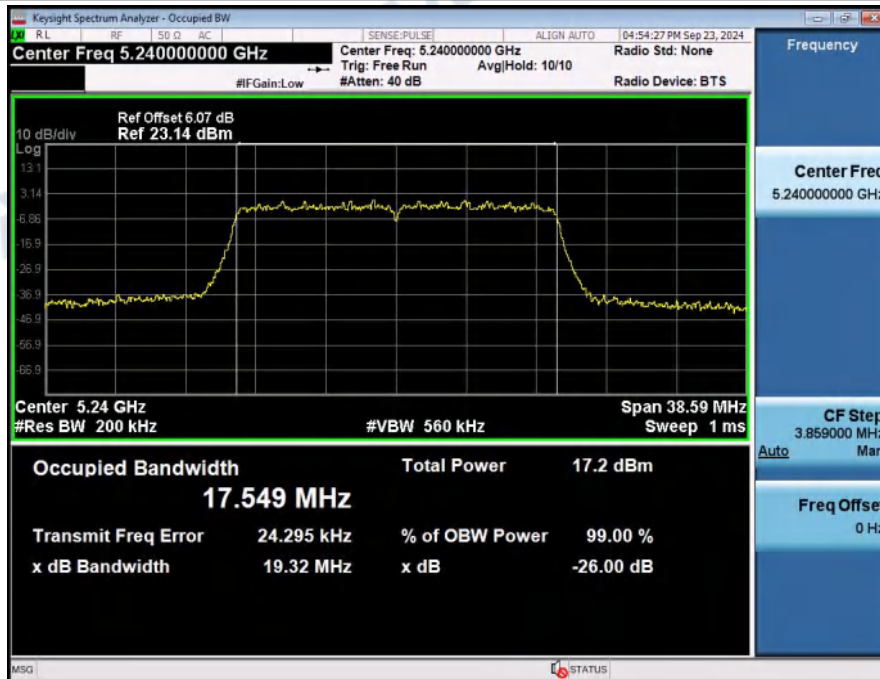
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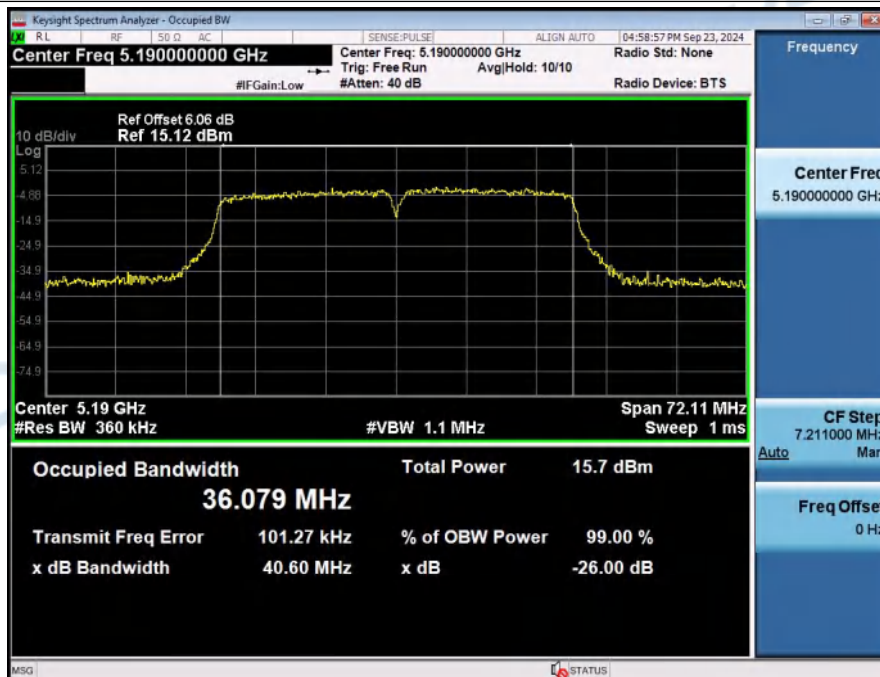
99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5240



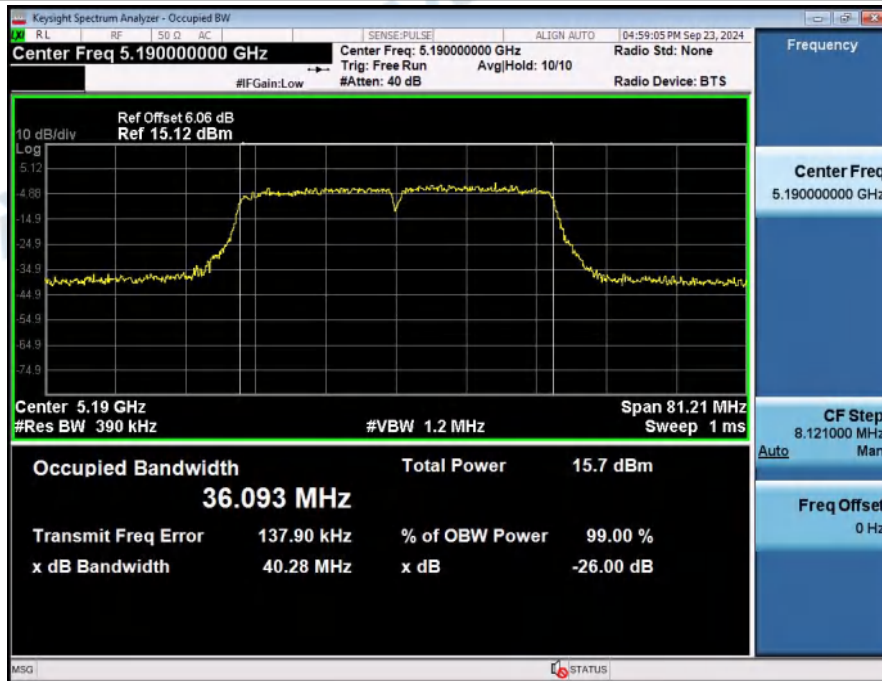
-26BW_NVNT_ANT1_802_11ac(VHT20)_5240



99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5190



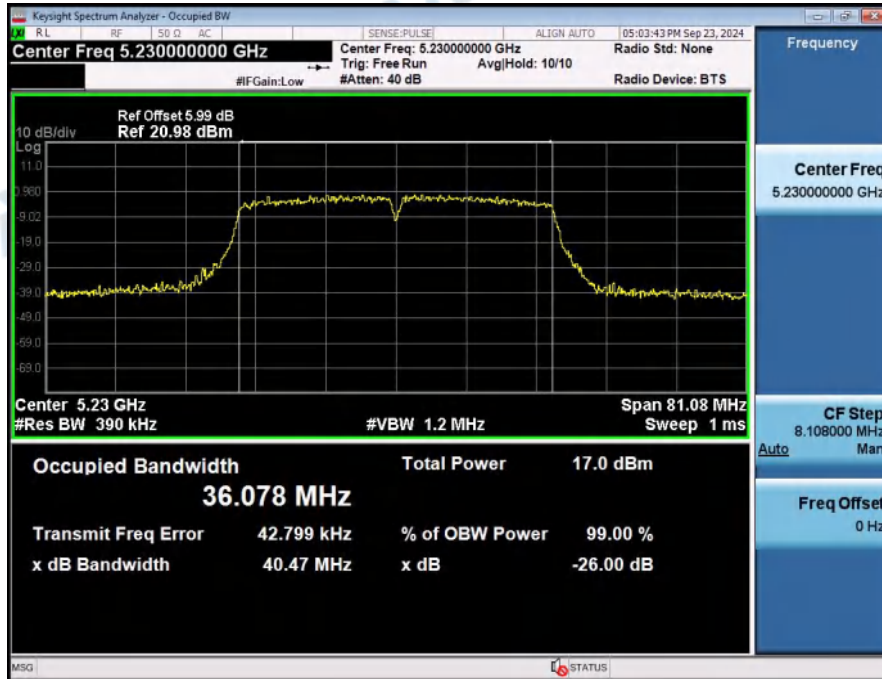
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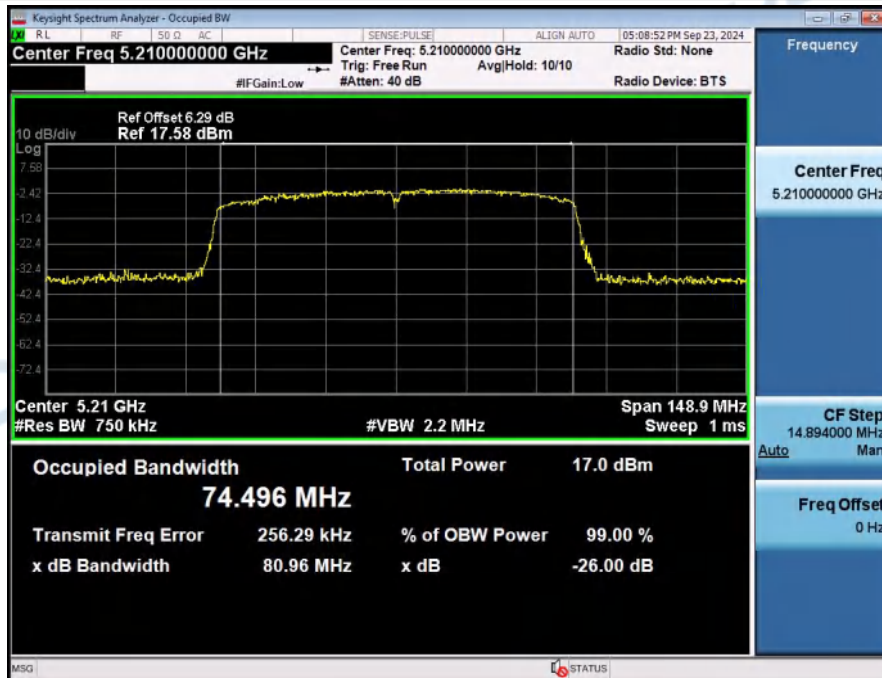
99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5230



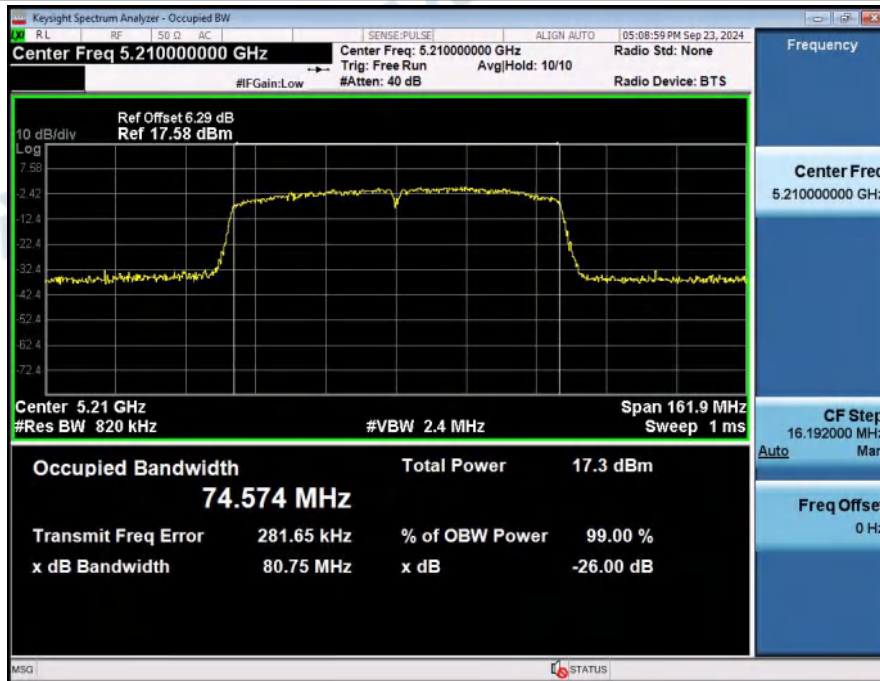
-26BW_NVNT_ANT1_802_11ac(VHT40)_5230



99%_OCB_NVNT_ANT1_802_11ac(VHT80)_5210



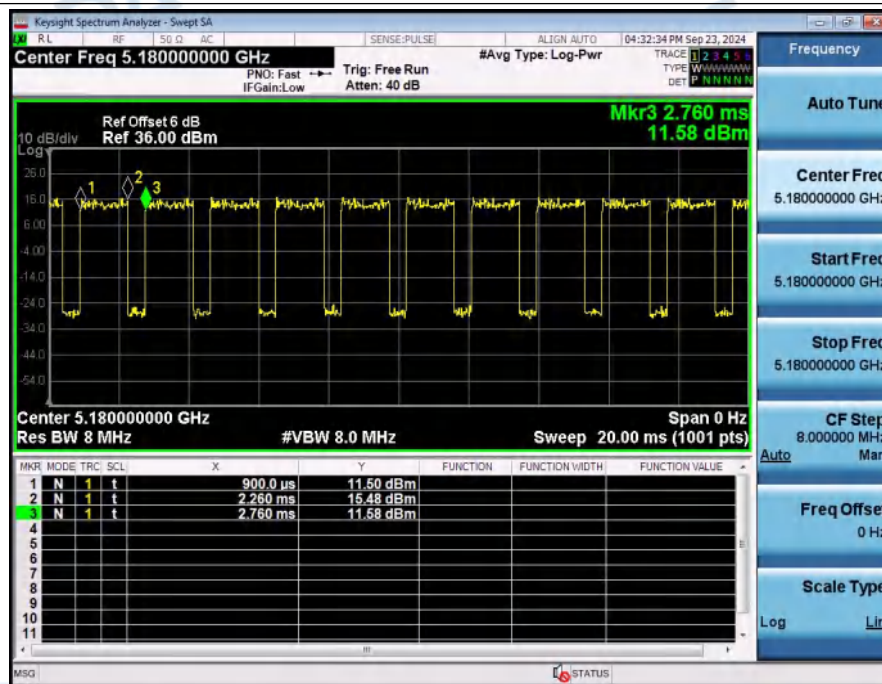
-26BW_NVNT_ANT1_802_11ac(VHT80)_5210



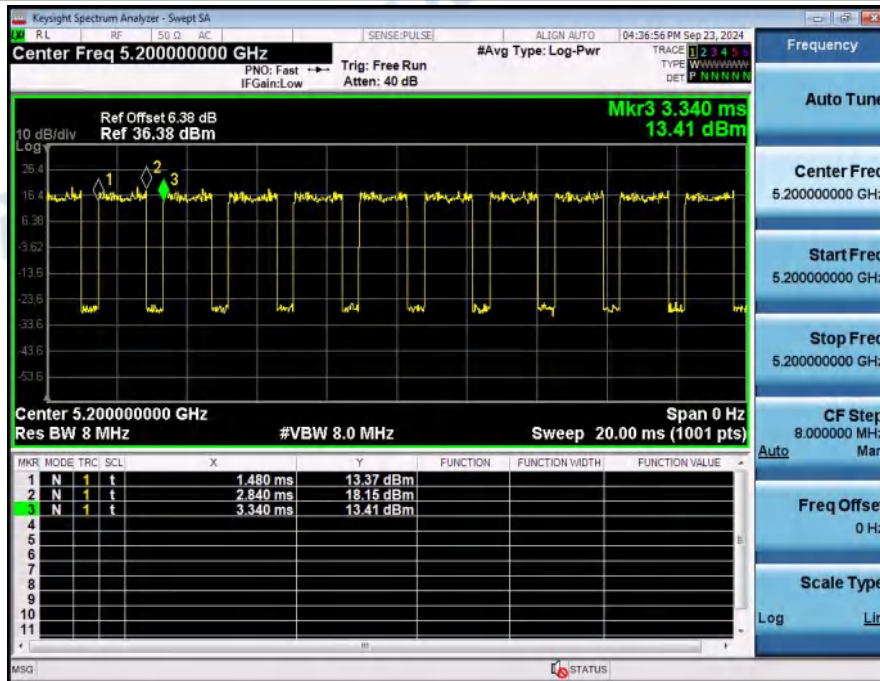
2. Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5180.00	73.12	1.36
NVNT	ANT1	802.11a	5200.00	73.12	1.36
NVNT	ANT1	802.11a	5240.00	73.12	1.36
NVNT	ANT1	802.11ac(VHT20)	5180.00	71.91	1.43
NVNT	ANT1	802.11ac(VHT20)	5200.00	71.59	1.45
NVNT	ANT1	802.11ac(VHT20)	5240.00	71.91	1.43
NVNT	ANT1	802.11ac(VHT40)	5190.00	54.39	2.65
NVNT	ANT1	802.11ac(VHT40)	5230.00	56.14	2.51
NVNT	ANT1	802.11ac(VHT80)	5210.00	39.02	4.09

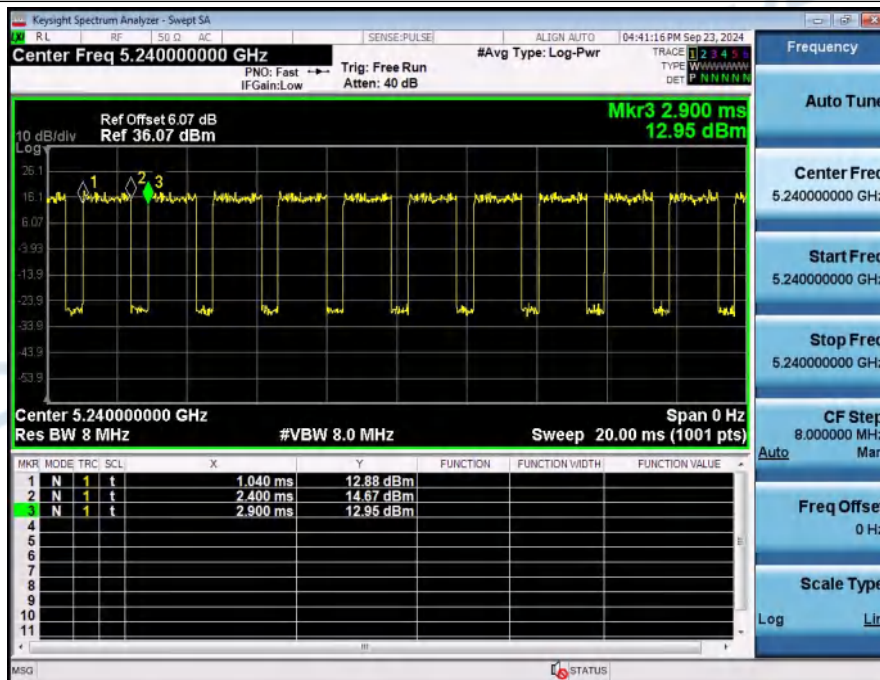
Duty_Cycle_NVNT_ANT1_802_11a_5180



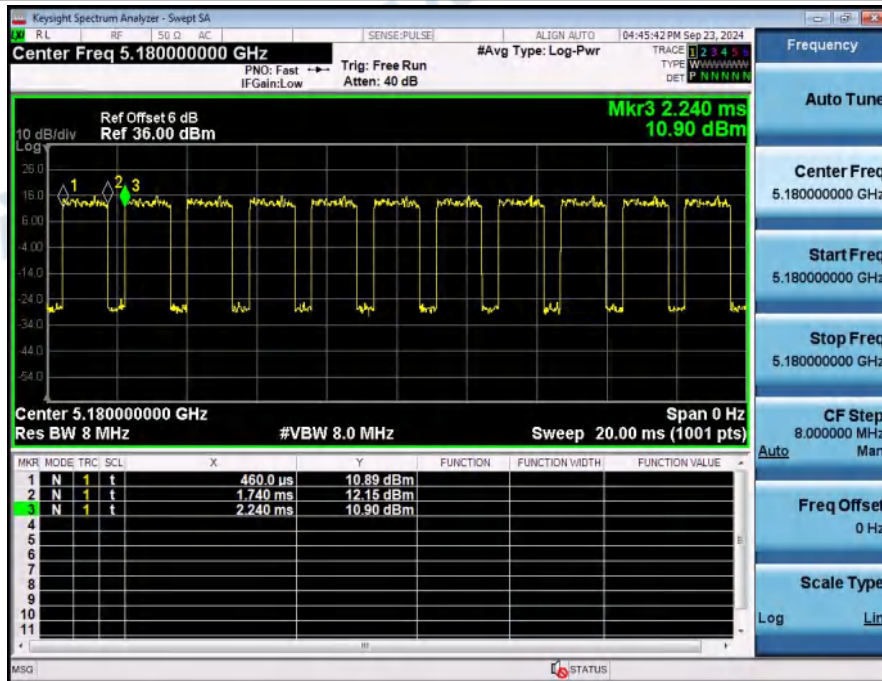
Duty_Cycle_NVNT_ANT1_802_11a_5200



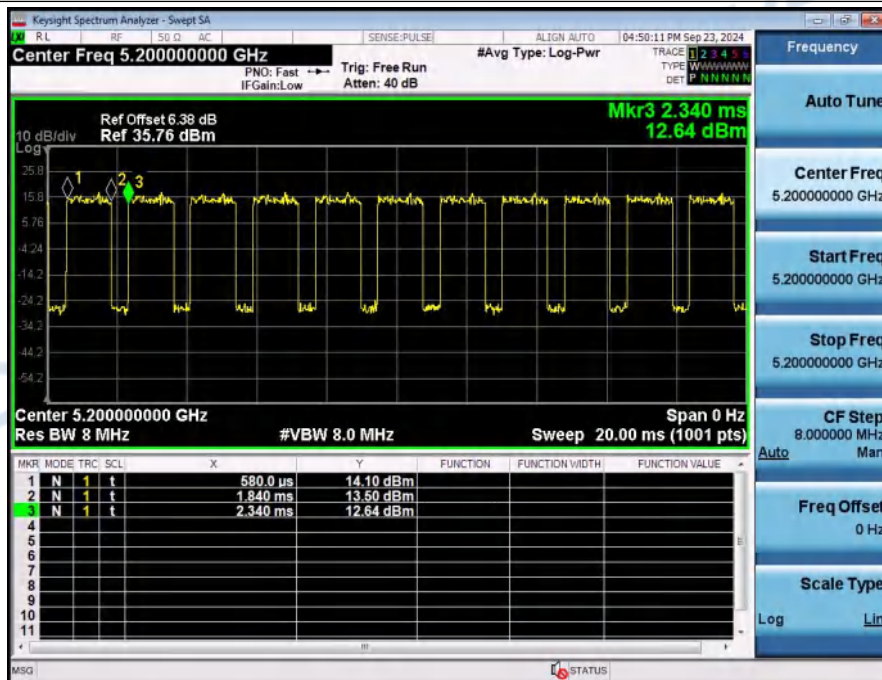
Duty_Cycle_NVNT_ANT1_802_11a_5240



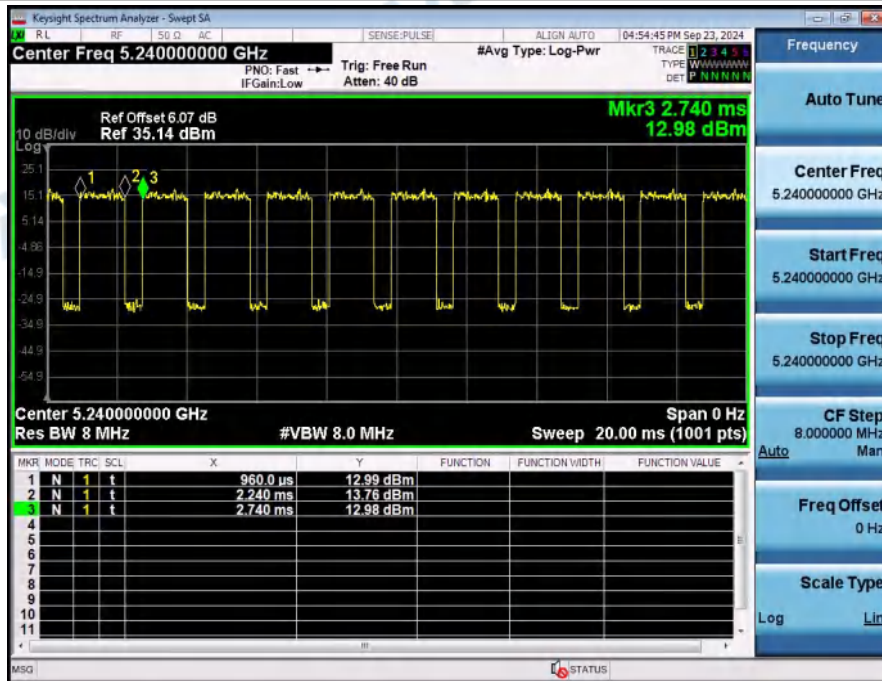
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5180



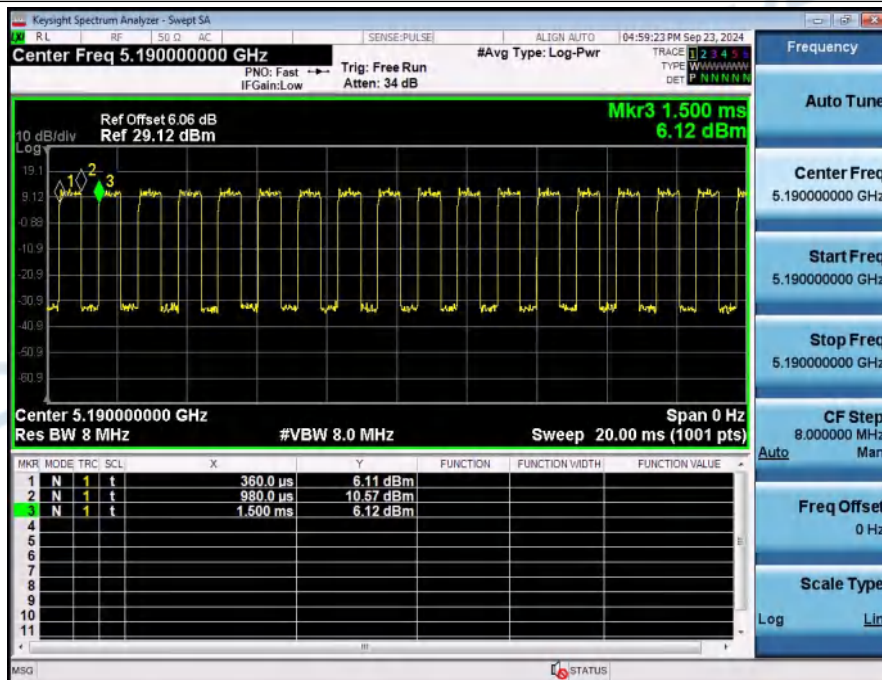
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5200



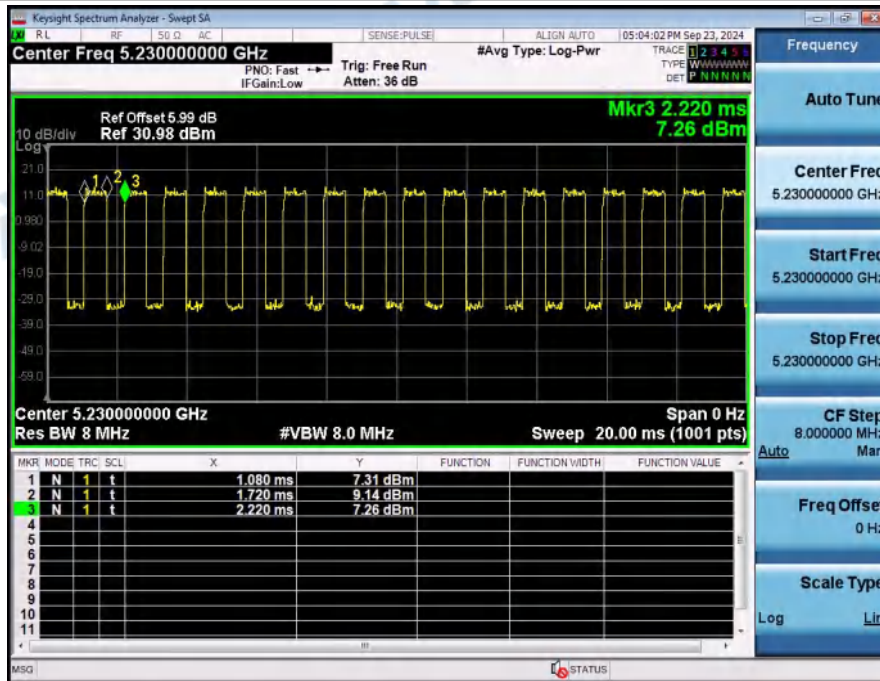
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5240



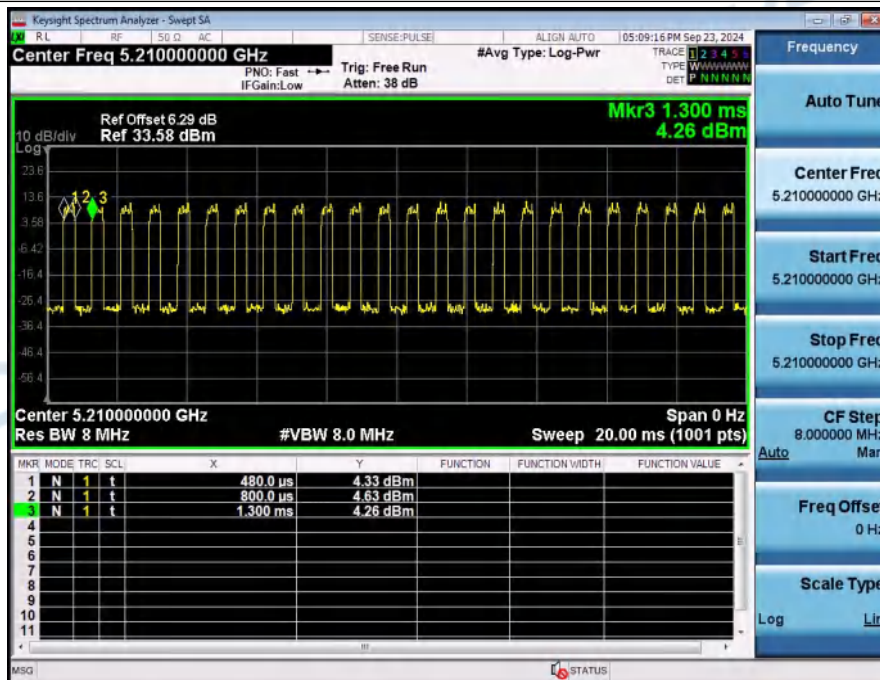
Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5190



Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5230



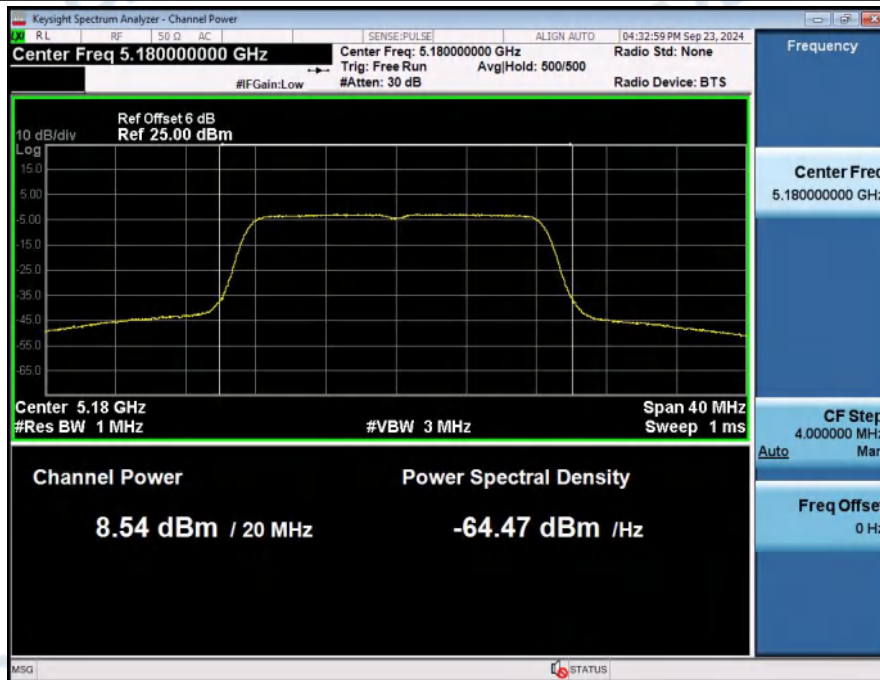
Duty_Cycle_NVNT_ANT1_802_11ac(VHT80)_5210



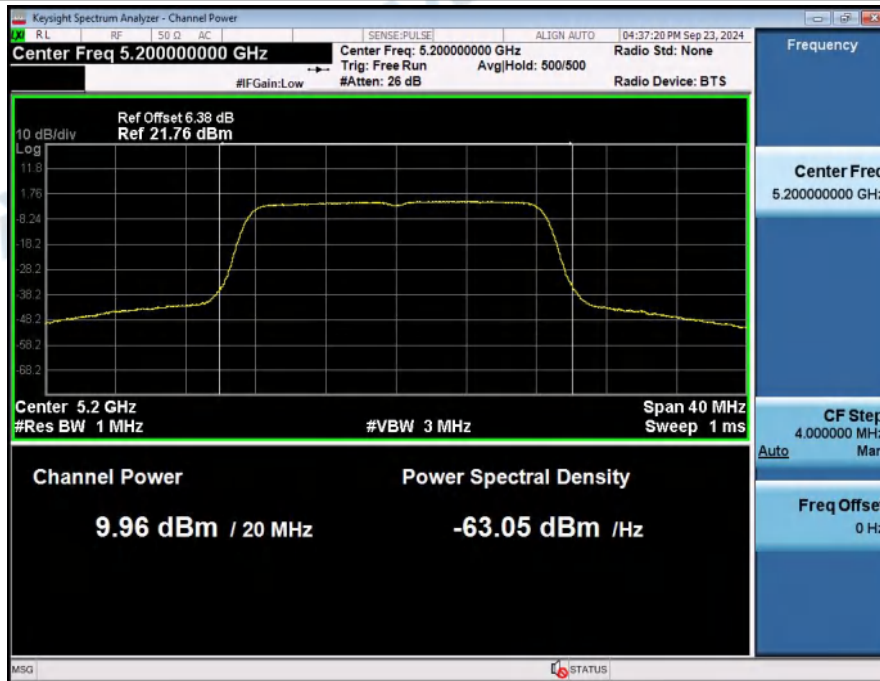
3. Maximum Conducted Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	8.54	1.36	9.90	24	Pass
NVNT	ANT1	802.11a	5200.00	9.96	1.36	11.32	24	Pass
NVNT	ANT1	802.11a	5240.00	9.99	1.36	11.35	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	7.43	1.43	8.86	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	9.11	1.45	10.56	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	9.46	1.43	10.89	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	6.88	2.65	9.53	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	8.37	2.51	10.88	24	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	6.44	4.09	10.53	24	Pass

Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5180_20M



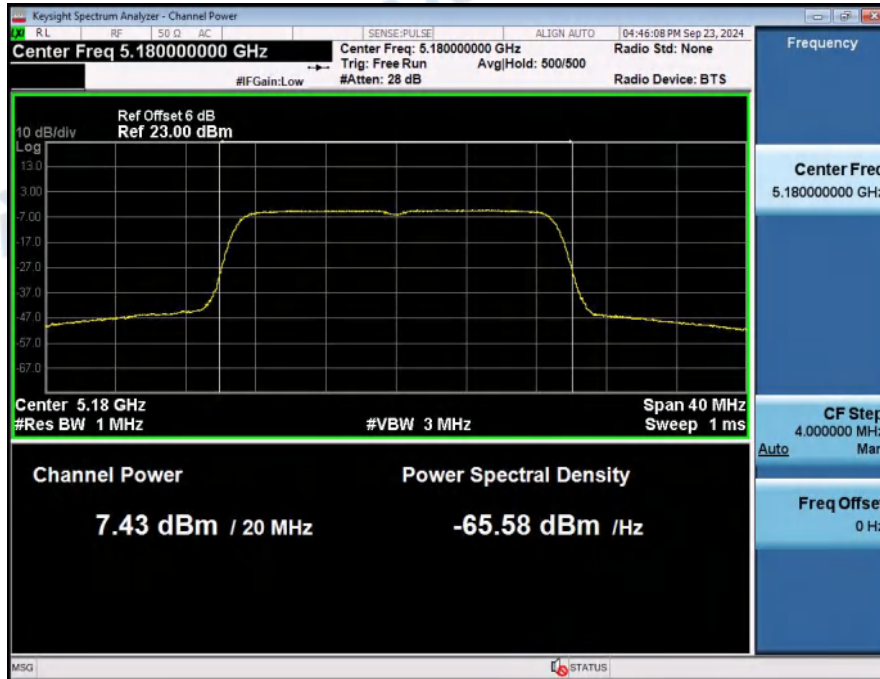
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5200_20M



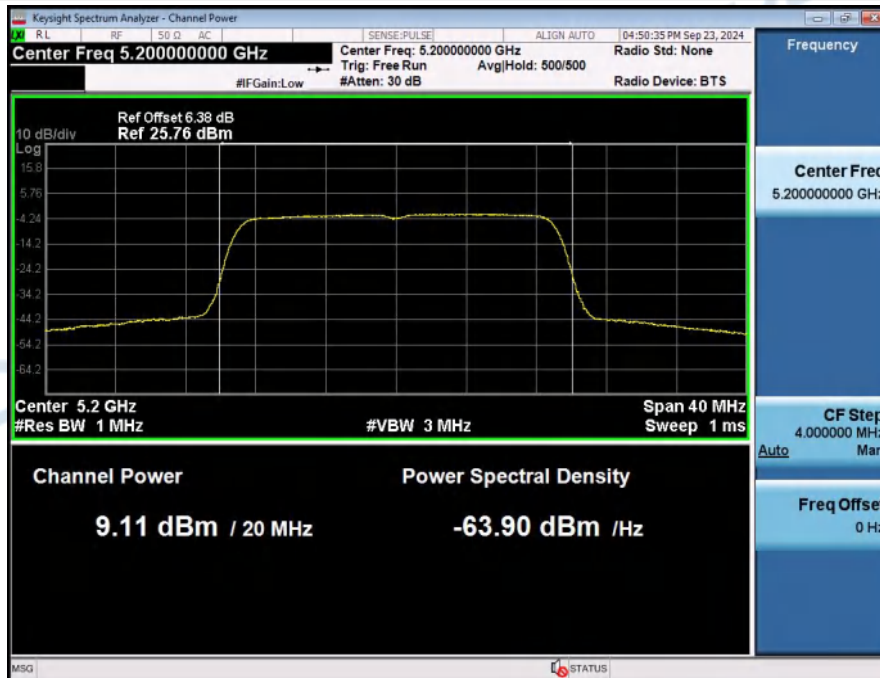
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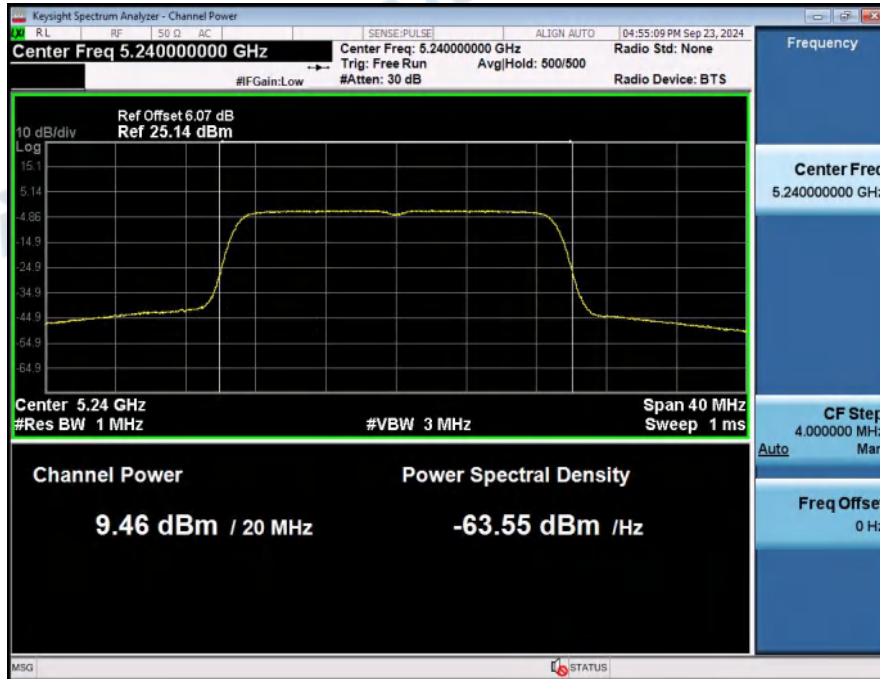
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT20)_5180_20M



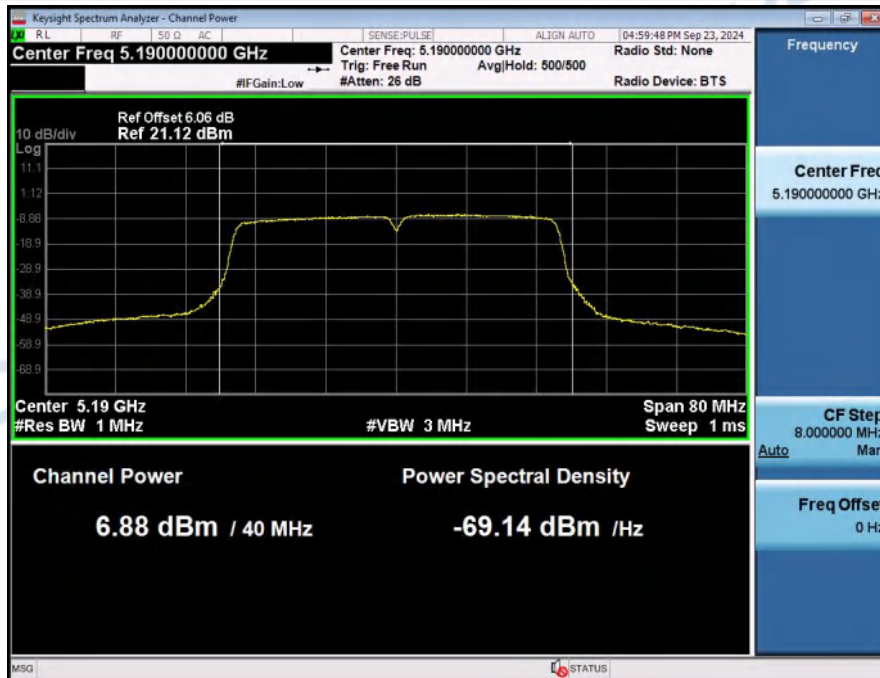
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT20)_5200_20M



Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT20)_5240_20M



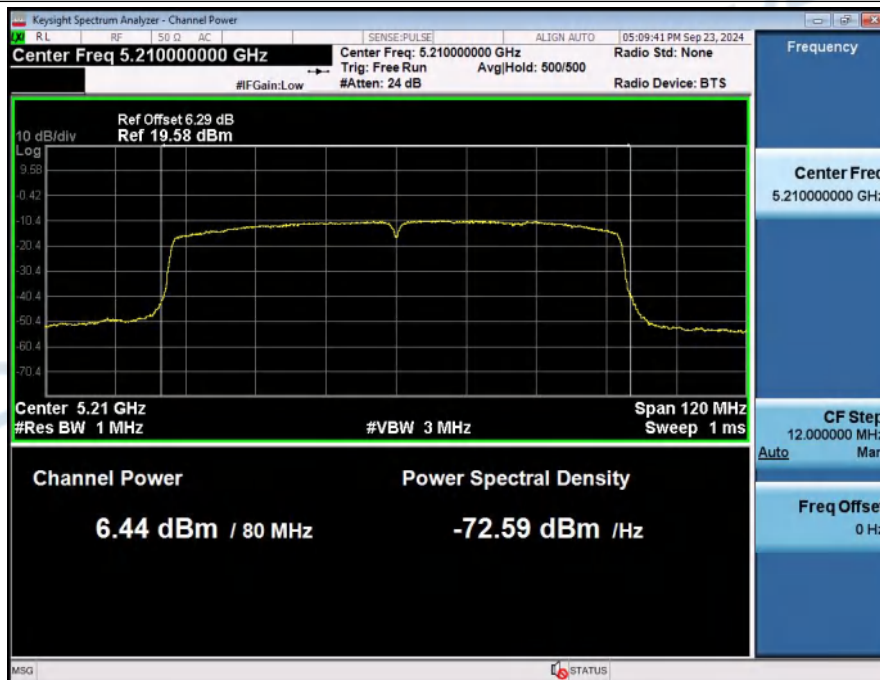
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT40)_5190_40M



Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT40)_5230_40M



Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT80)_5210_80M



4. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	-15.95	1.36	-14.59	11	Pass
NVNT	ANT1	802.11a	5200.00	-12.05	1.36	-10.69	11	Pass
NVNT	ANT1	802.11a	5240.00	-11.52	1.36	-10.16	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	-19.68	1.43	-18.25	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	-19.31	1.45	-17.86	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	-17.12	1.43	-15.69	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	-29.49	2.65	-26.84	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	-27.68	2.51	-25.17	11	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	-40.45	4.09	-36.36	11	Pass

Power_Spectral_Density_NVNT_ANT1_802_11a_5180



Power_Spectral_Density_NVNT_ANT1_802_11a_5200



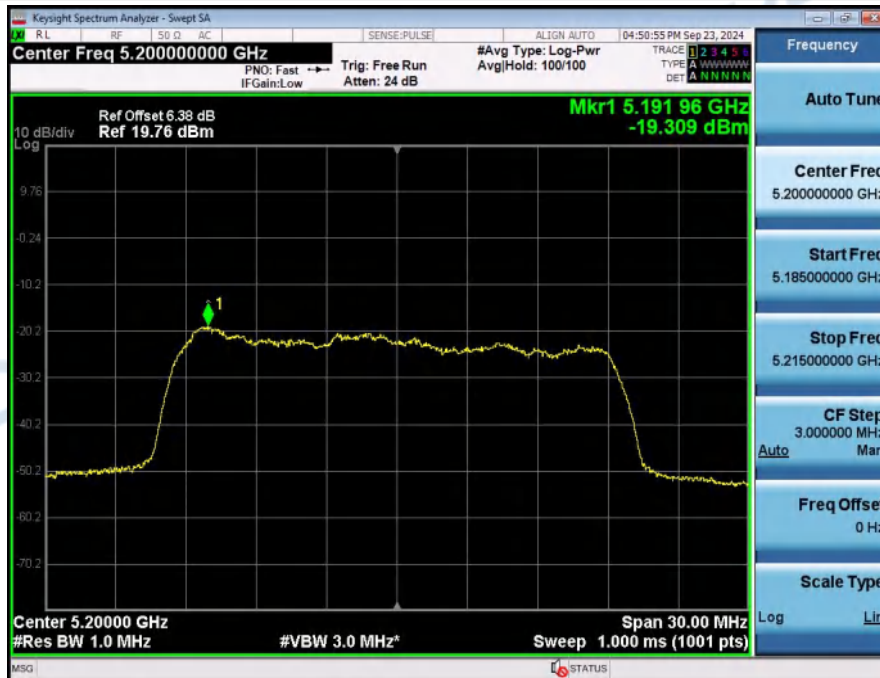
Power_Spectral_Density_NVNT_ANT1_802_11a_5240



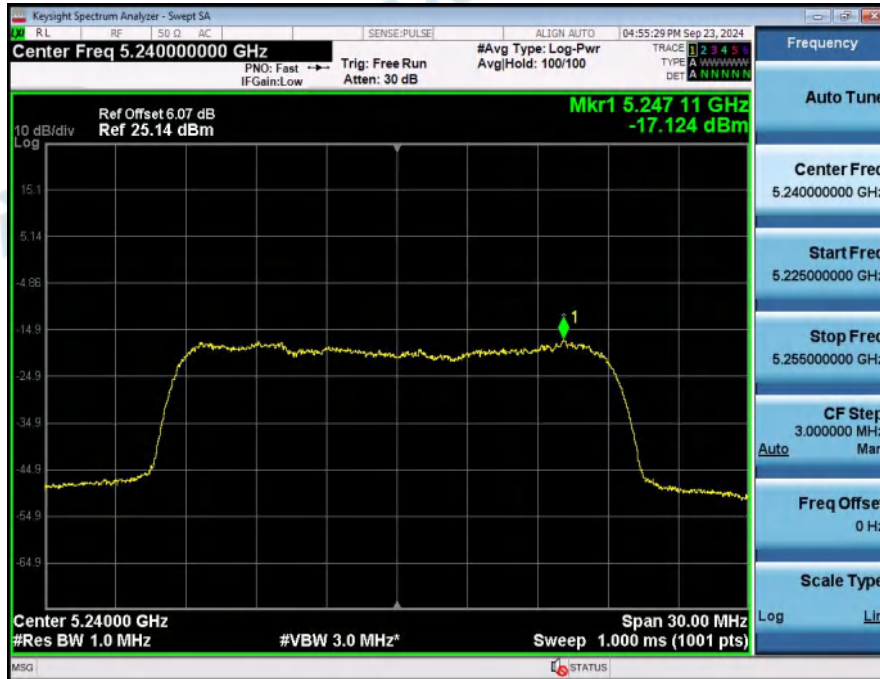
Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5180



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5200



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5240



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT40)_5190



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT40)_5230

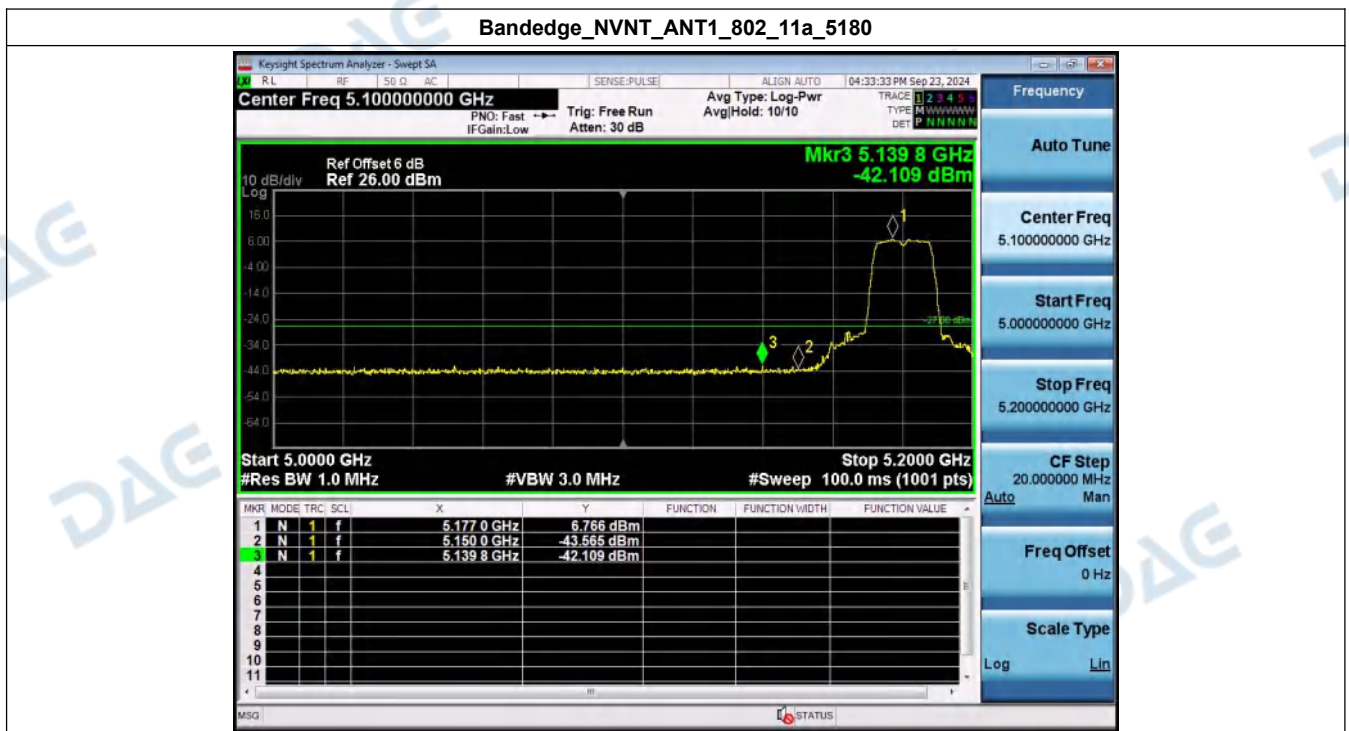


Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT80)_5210

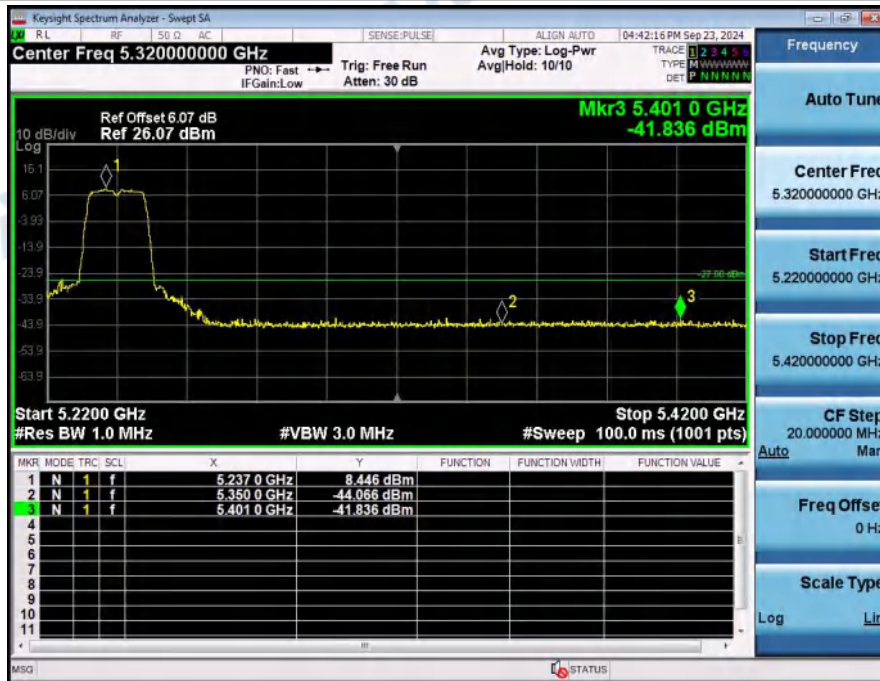


5. Bandedge

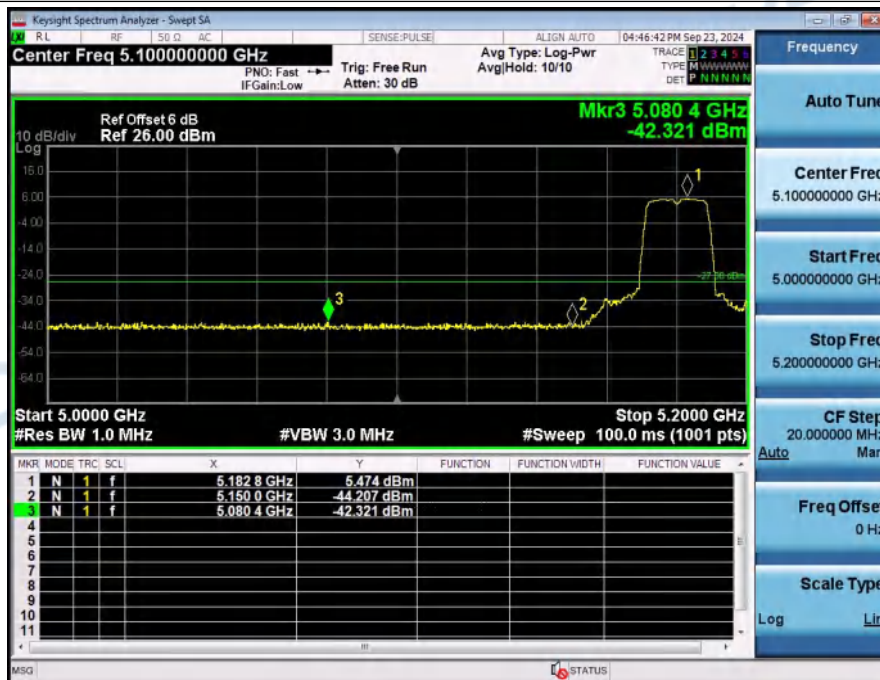
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	5139.80	-42.11	-27	Pass
NVNT	ANT1	802.11a	5240.00	5401.00	-41.84	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	5080.40	-42.32	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	5415.00	-41.73	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	5148.47	-35.64	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	5377.58	-41.87	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	5148.26	-35.89	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	5354.90	-41.06	-27	Pass



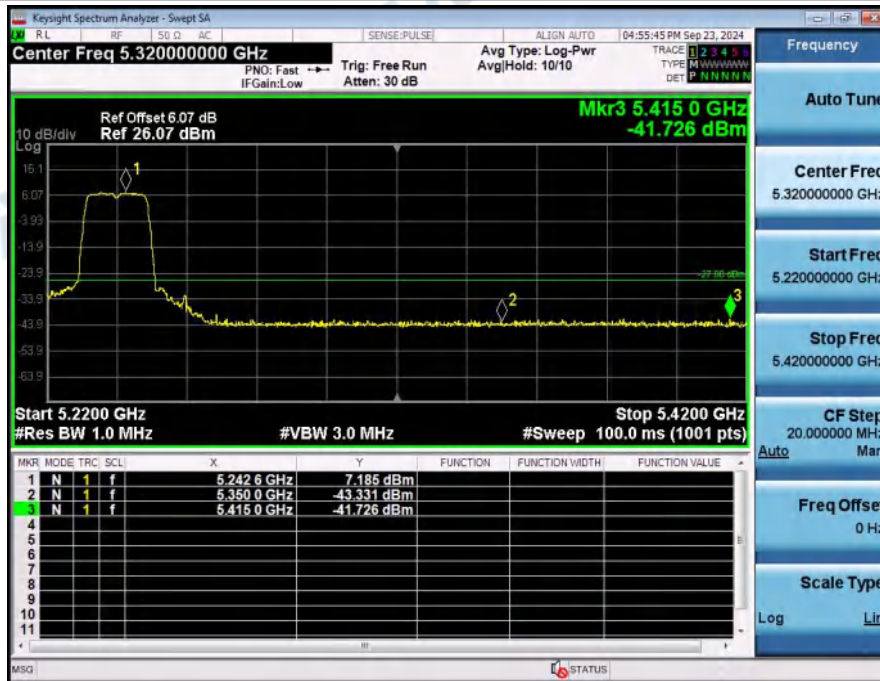
Bandedge_NVNT_ANT1_802_11a_5240



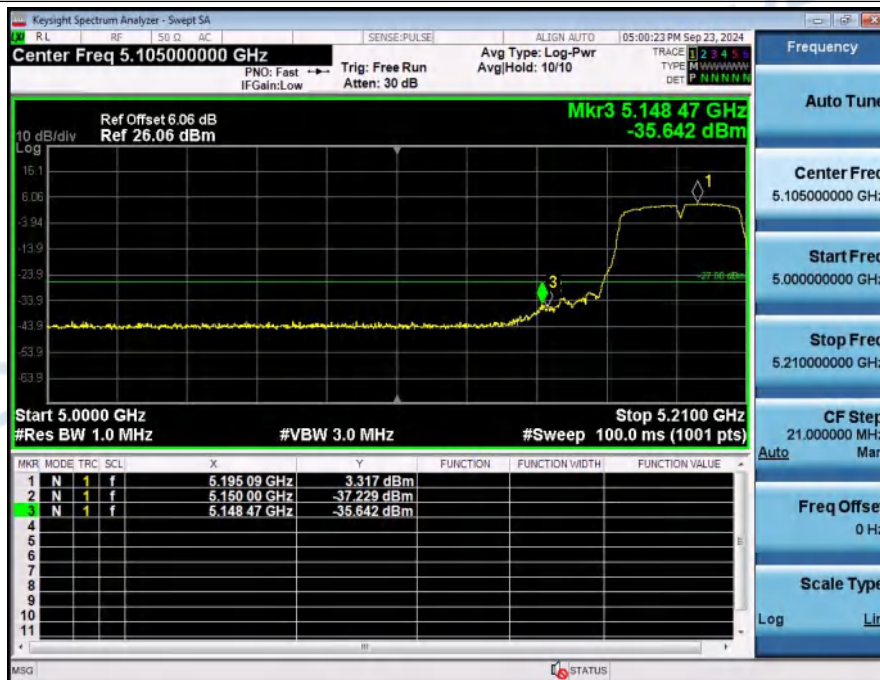
Bandedge_NVNT_ANT1_802_11ac(VHT20)_5180



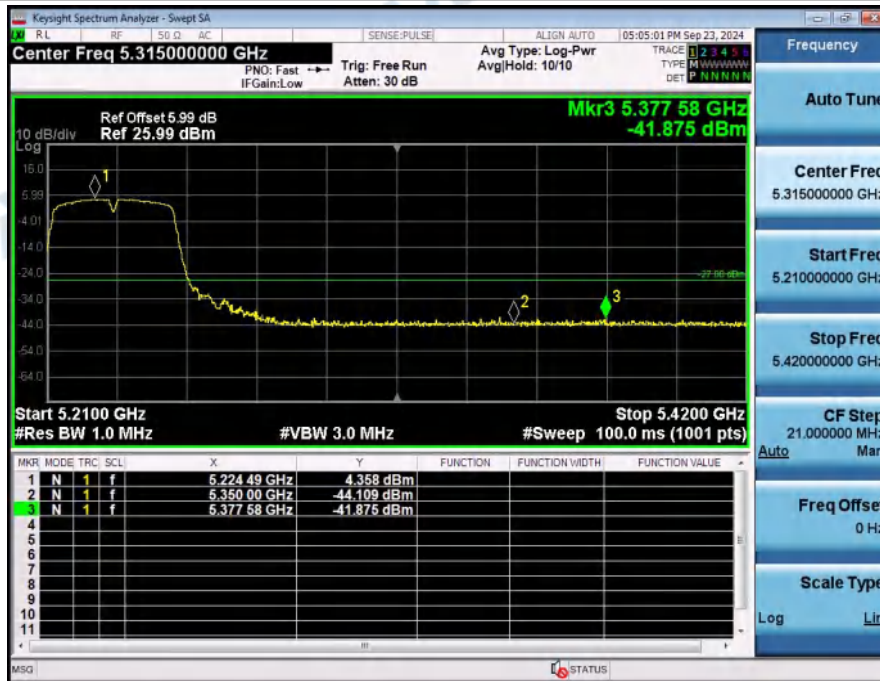
Bandedge_NVNT_ANT1_802_11ac(VHT20)_5240



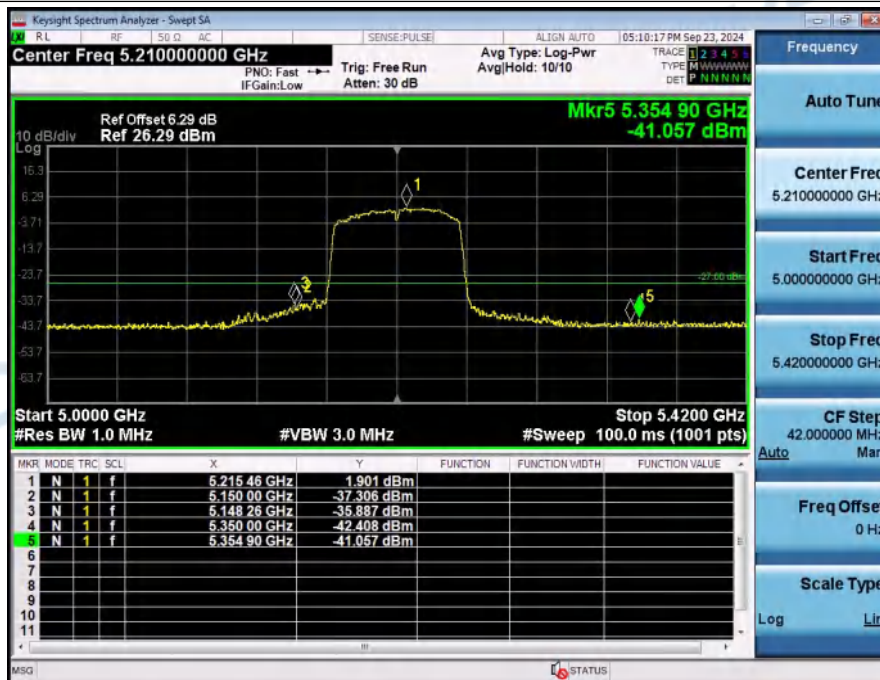
Bandedge_NVNT_ANT1_802_11ac(VHT40)_5190



Bandedge_NVNT_ANT1_802_11ac(VHT40)_5230



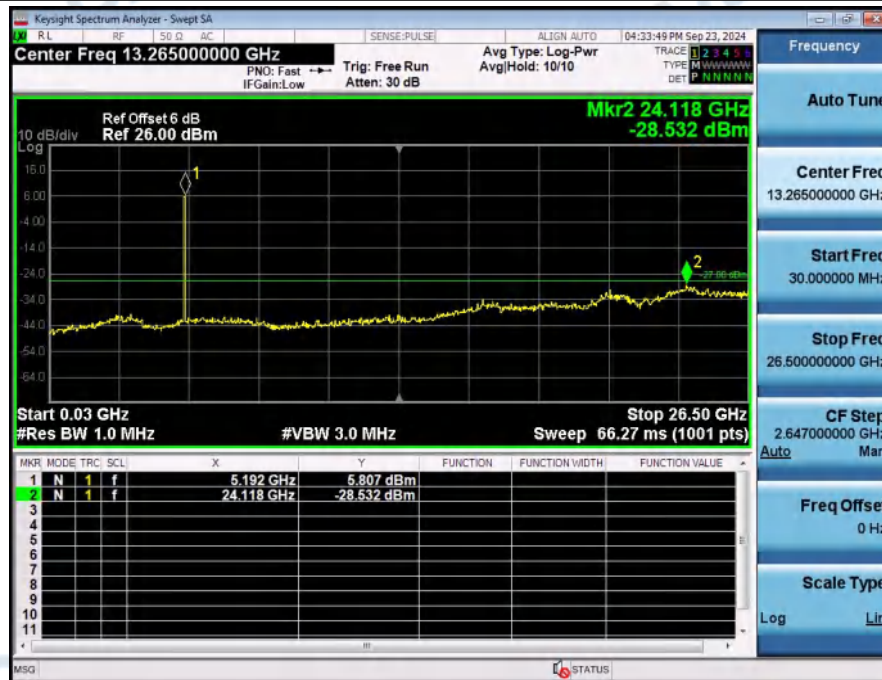
Bandedge_NVNT_ANT1_802_11ac(VHT80)_5210



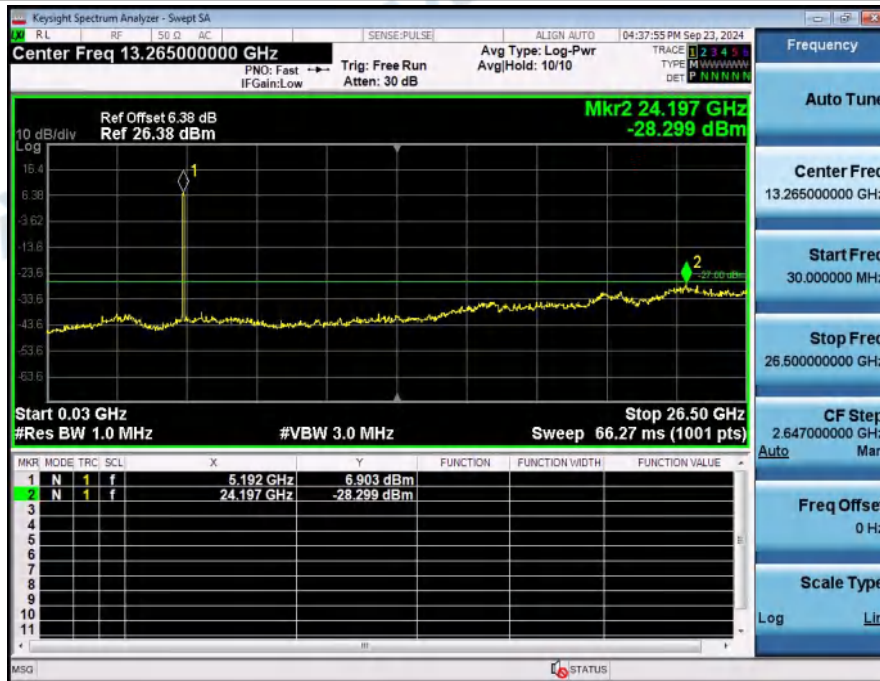
6. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	24117.70	-28.53	-27	Pass
NVNT	ANT1	802.11a	5200.00	24197.11	-28.30	-27	Pass
NVNT	ANT1	802.11a	5240.00	24276.52	-29.21	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	23694.18	-29.09	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	24144.17	-28.69	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	24144.17	-28.99	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	24223.58	-28.79	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	23985.35	-29.14	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	24144.17	-27.83	-27	Pass

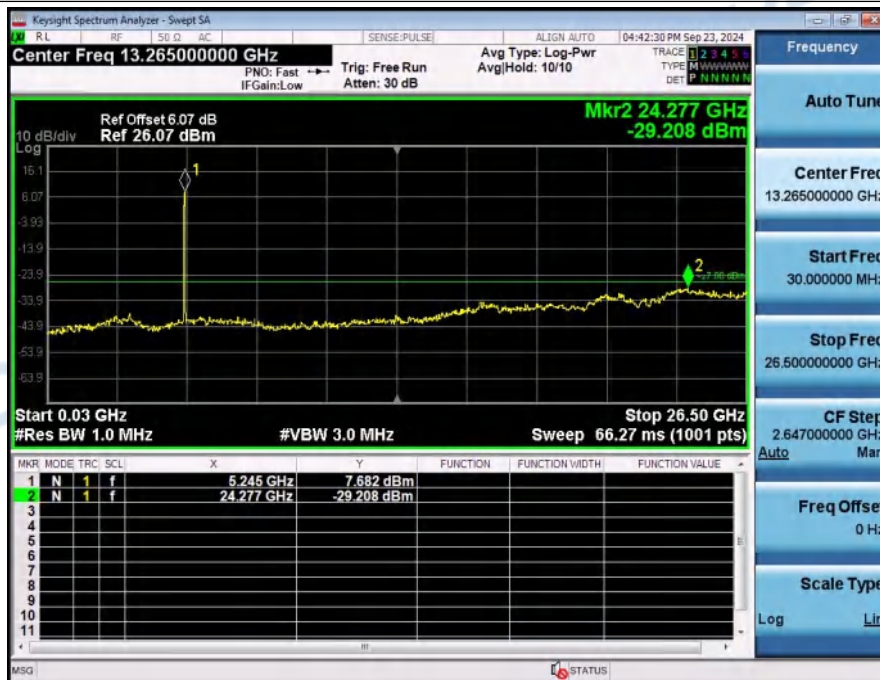
Spurious_Emission_NVNT_ANT1_802_11a_5180_20M



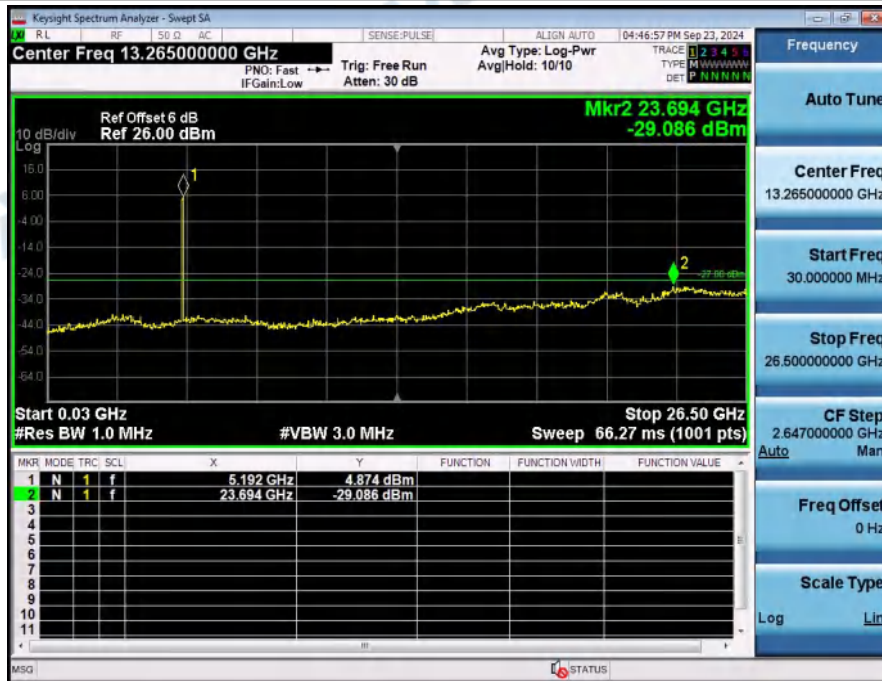
Spurious_Emission_NVNT_ANT1_802_11a_5200_20M



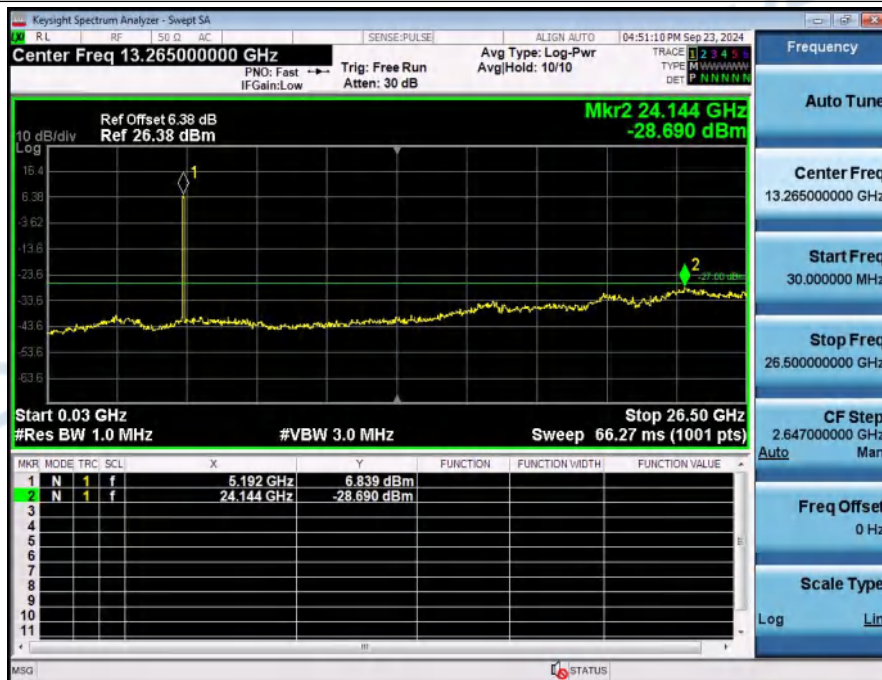
Spurious_Emission_NVNT_ANT1_802_11a_5240_20M



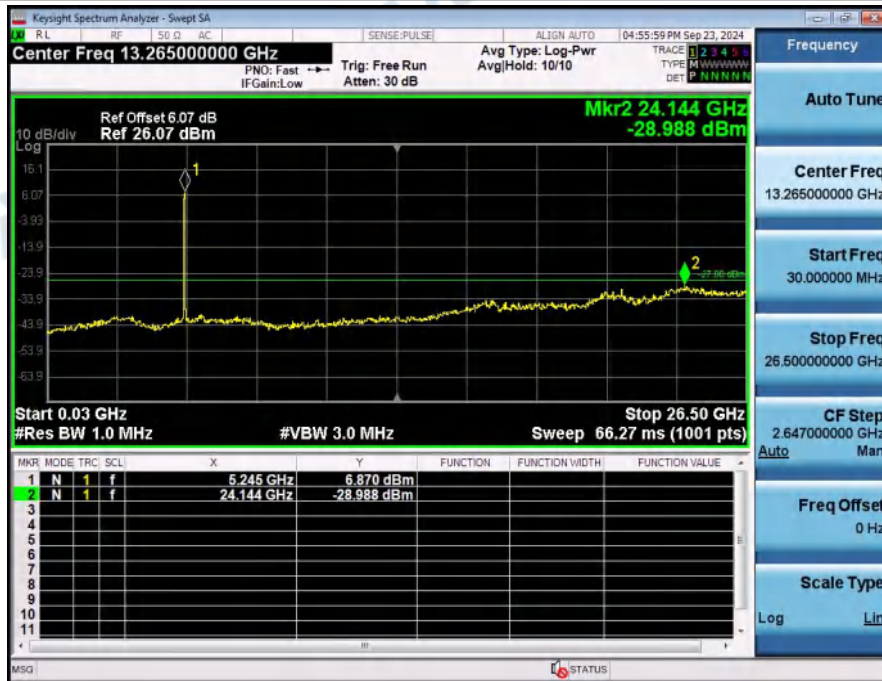
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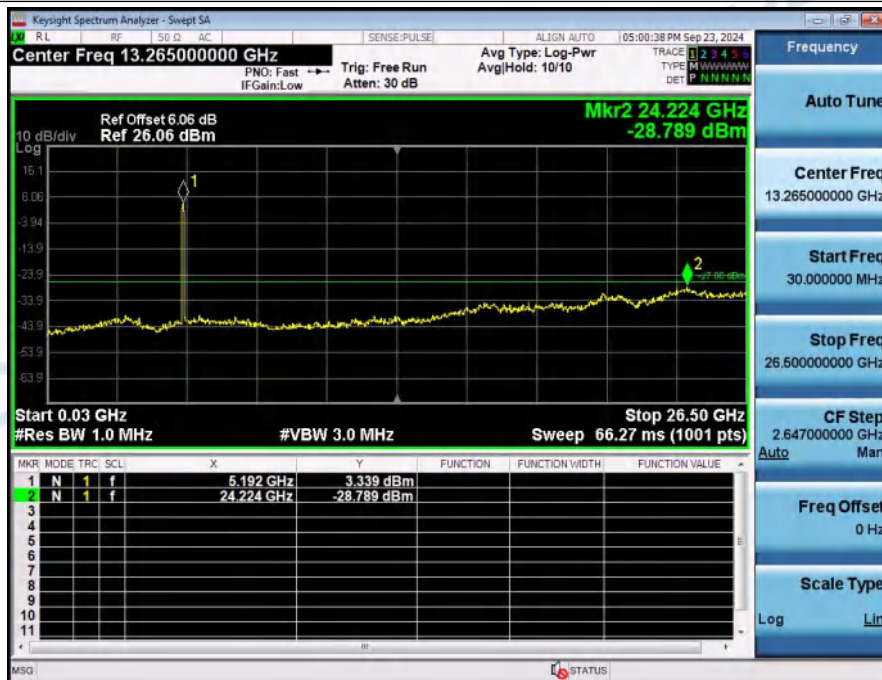
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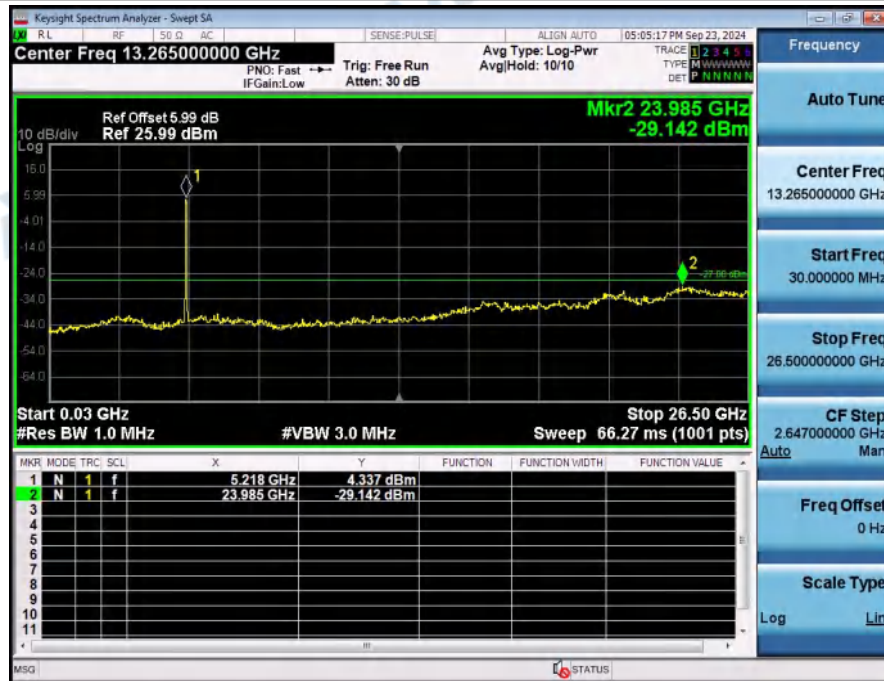
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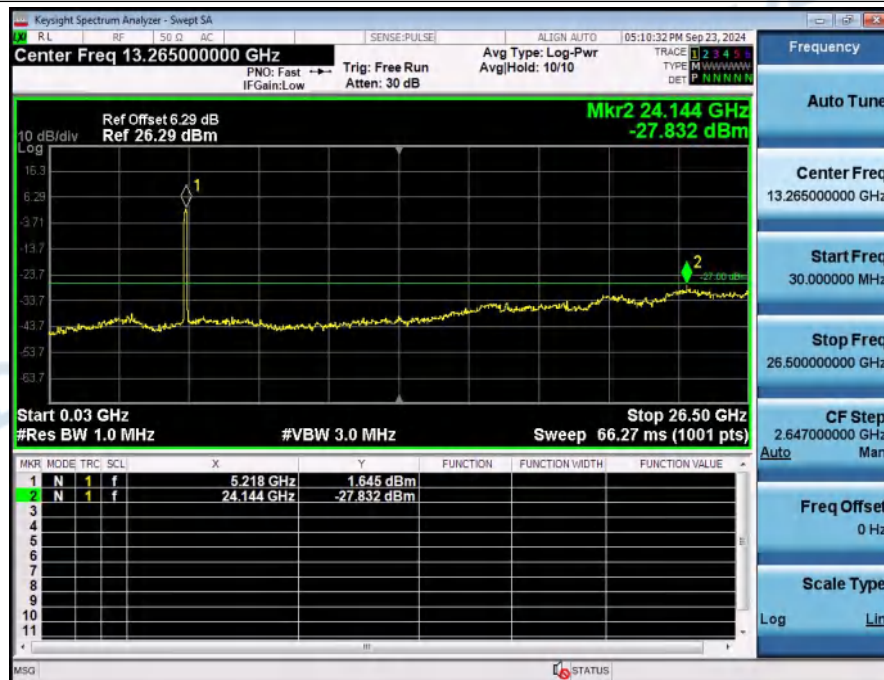
Spurious_Emission_NVNT_ANT1_802_11ac(VHT40)_5190_40M



Spurious_Emission_NVNT_ANT1_802_11ac(VHT40)_5230_40M



Spurious_Emission_NVNT_ANT1_802_11ac(VHT80)_5210_80M



7. Frequency Stability

Condition	Antenna	Modulation	Frequency (MHz)	Fc(MHz)	Fi(MHz)	Fh(MHz)	Limit(MHz)	Result
55degrees C&&3.80V	ANT1	802.11a	5180.00	5180.032	5171.664	5188.400	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11a	5180.00	5180.020	5171.816	5188.224	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11a	5180.00	5180.026	5171.904	5188.148	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5180.00	5180.028	5171.972	5188.084	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11a	5180.00	5180.032	5172.036	5188.028	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11a	5180.00	5180.026	5172.084	5187.968	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11a	5180.00	5180.014	5172.136	5187.892	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11a	5180.00	5180.024	5172.192	5187.856	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11a	5180.00	5180.022	5172.236	5187.808	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5180.00	5180.024	5172.276	5187.772	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11a	5180.00	5180.022	5172.332	5187.712	5150~5250	Pass
55degrees C&&3.80V	ANT1	802.11a	5200.00	5200.046	5191.684	5208.408	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11a	5200.00	5200.044	5191.852	5208.236	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11a	5200.00	5200.042	5191.932	5208.152	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5200.00	5200.046	5192.008	5208.084	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11a	5200.00	5200.048	5192.076	5208.020	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11a	5200.00	5200.056	5192.128	5207.984	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11a	5200.00	5200.042	5192.184	5207.900	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11a	5200.00	5200.068	5192.252	5207.884	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11a	5200.00	5200.060	5192.308	5207.812	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5200.00	5200.070	5192.360	5207.780	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11a	5200.00	5200.074	5192.412	5207.736	5150~5250	Pass
55degrees C&&3.80V	ANT1	802.11a	5240.00	5240.028	5231.672	5248.384	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11a	5240.00	5240.028	5231.828	5248.228	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11a	5240.00	5240.016	5231.904	5248.128	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5240.00	5240.024	5231.976	5248.072	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11a	5240.00	5240.030	5232.044	5248.016	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11a	5240.00	5240.026	5232.092	5247.960	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11a	5240.00	5240.022	5232.136	5247.908	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11a	5240.00	5240.008	5232.180	5247.836	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11a	5240.00	5240.008	5232.228	5247.788	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5240.00	5240.012	5232.272	5247.752	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11a	5240.00	5240.016	5232.316	5247.716	5150~5250	Pass

Appendix-5.8GWIFI

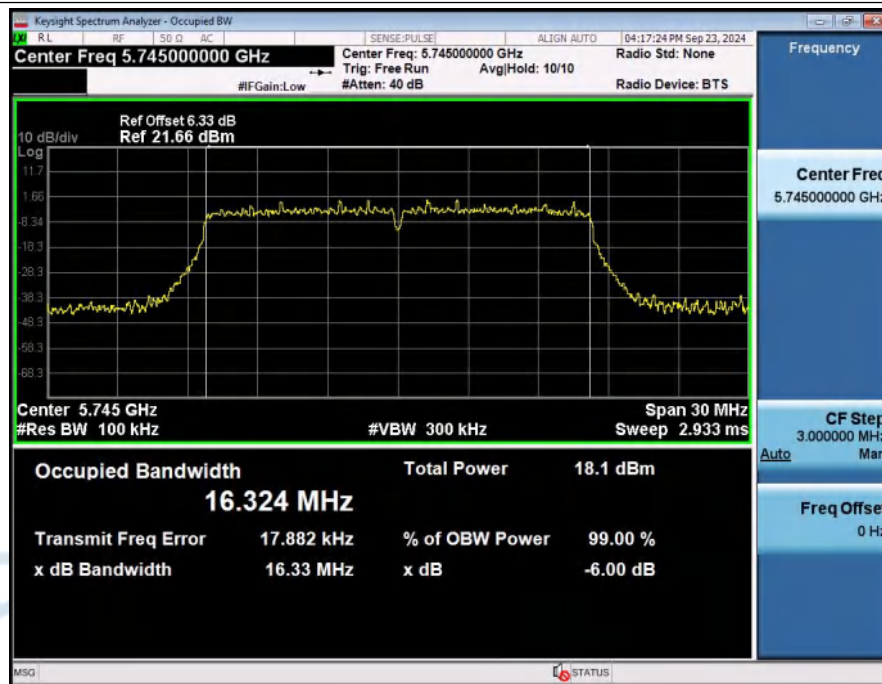
HT240827005--XH-X2--5.8G--FCC-1

FCC_5.8G_WIFI (Part15.407) Test Data

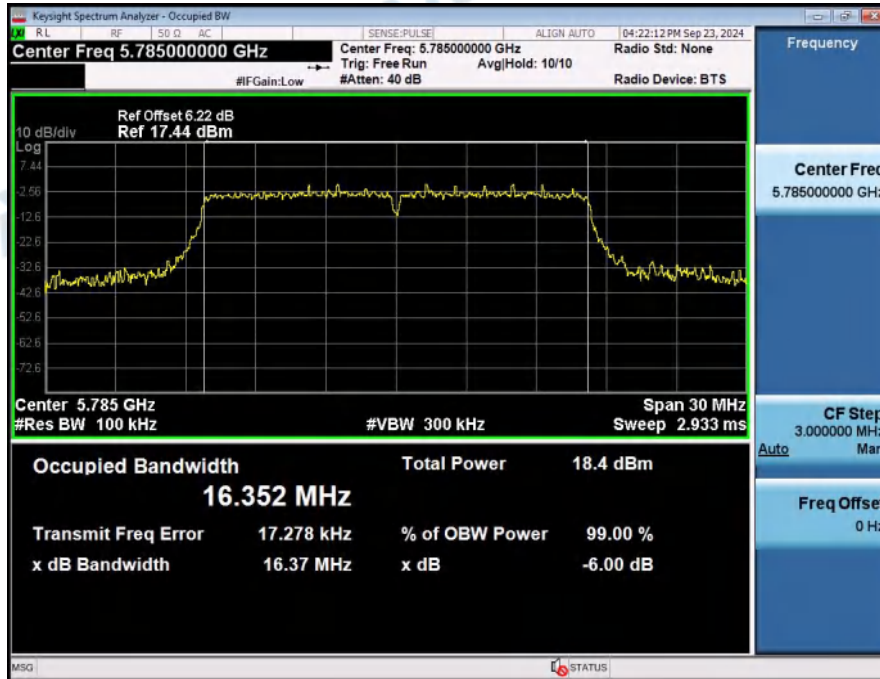
1. -6dB Emission Bandwidth

Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5745.00	16.332	0.500	Pass
NVNT	ANT1	802.11a	5785.00	16.369	0.500	Pass
NVNT	ANT1	802.11a	5825.00	16.302	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	17.289	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	17.579	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	17.572	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	35.232	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	35.028	0.500	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	75.034	0.500	Pass

-6dB_Emission_Bandwidth_NVNT_ANT1_802_11a_5745_20M



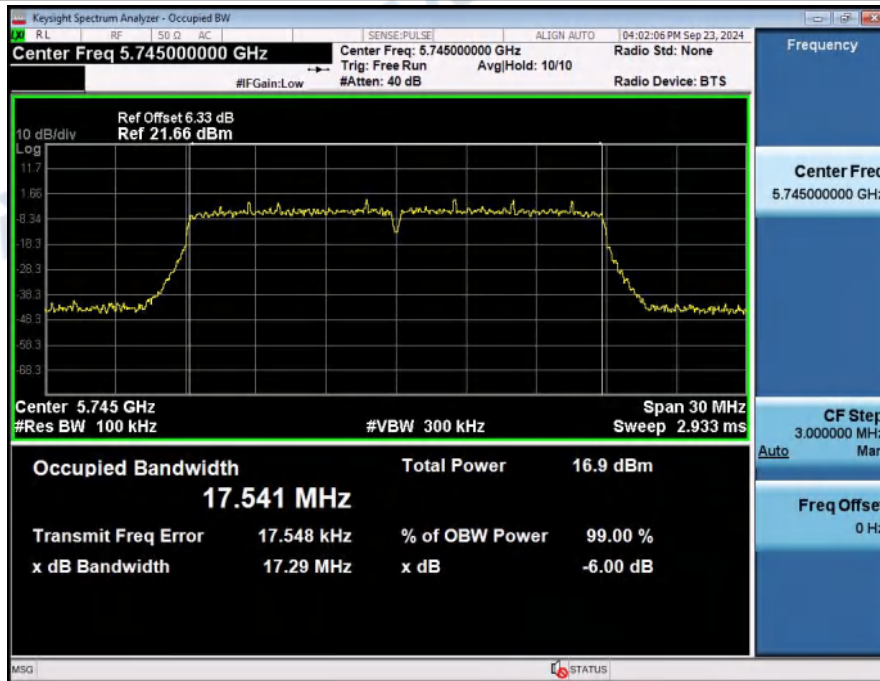
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11a_5785_20M



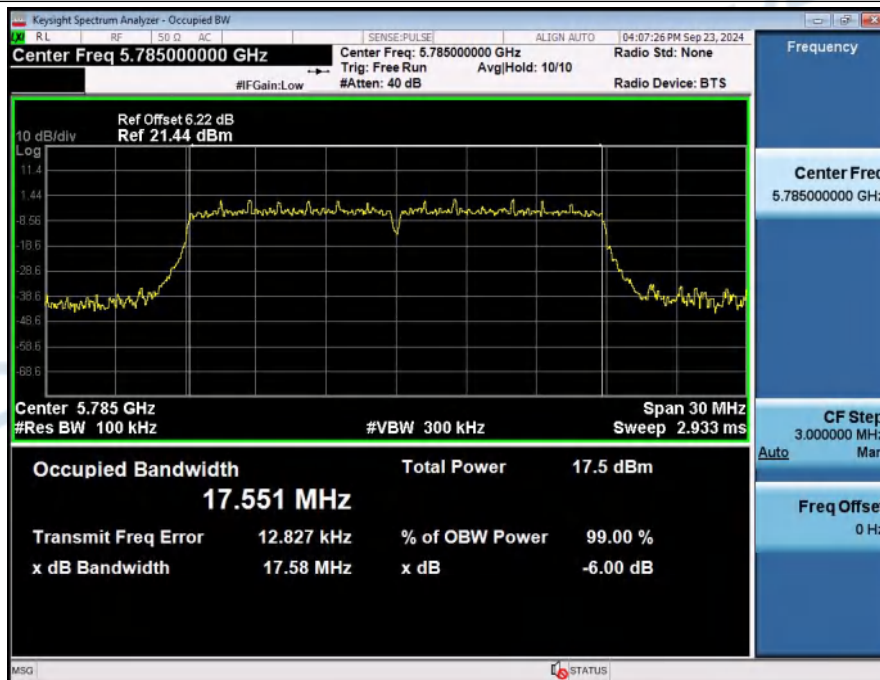
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11a_5825_20M



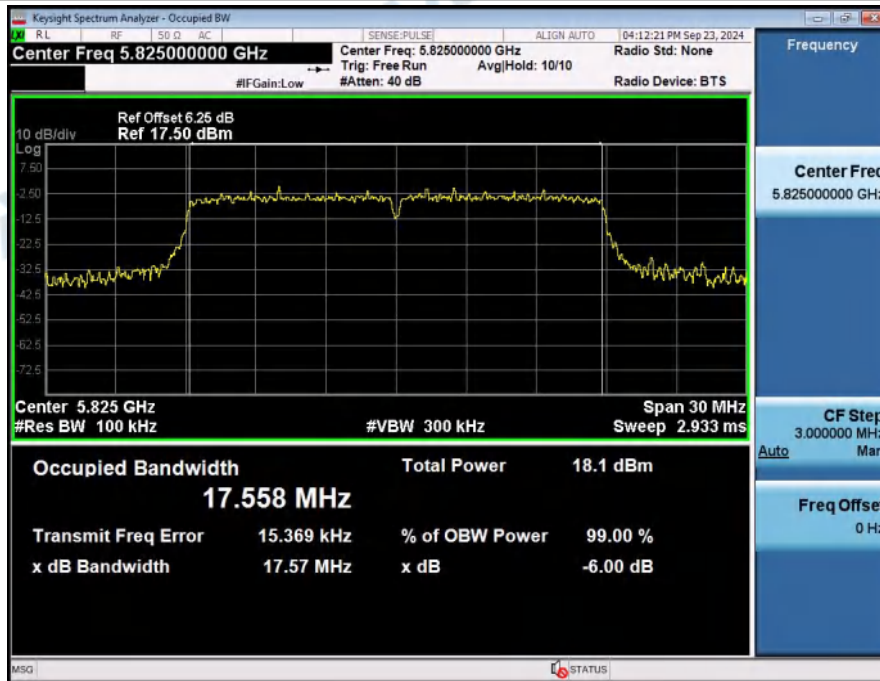
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11ac(VHT20)_5745_20M



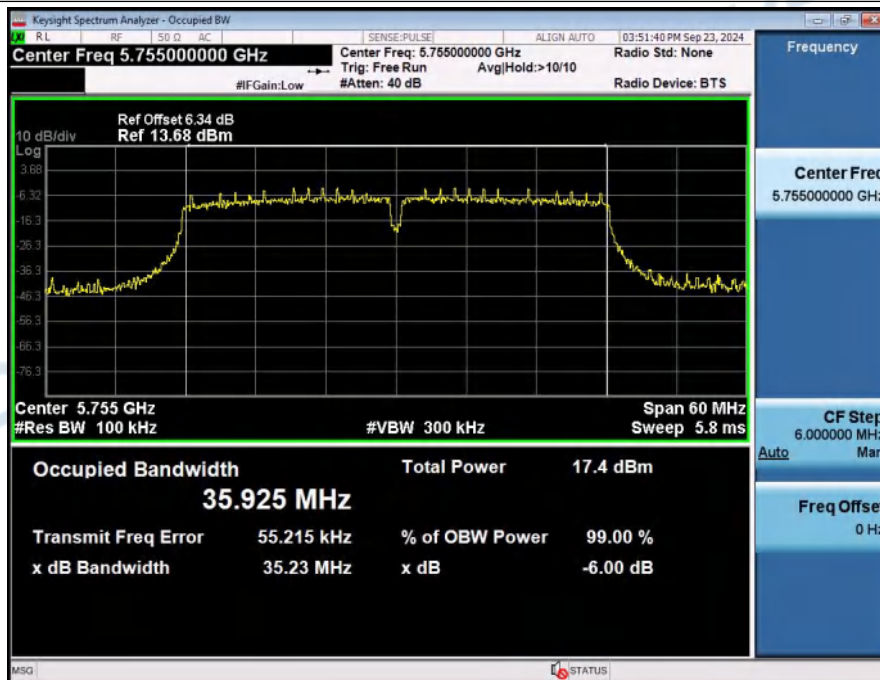
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11ac(VHT20)_5785_20M



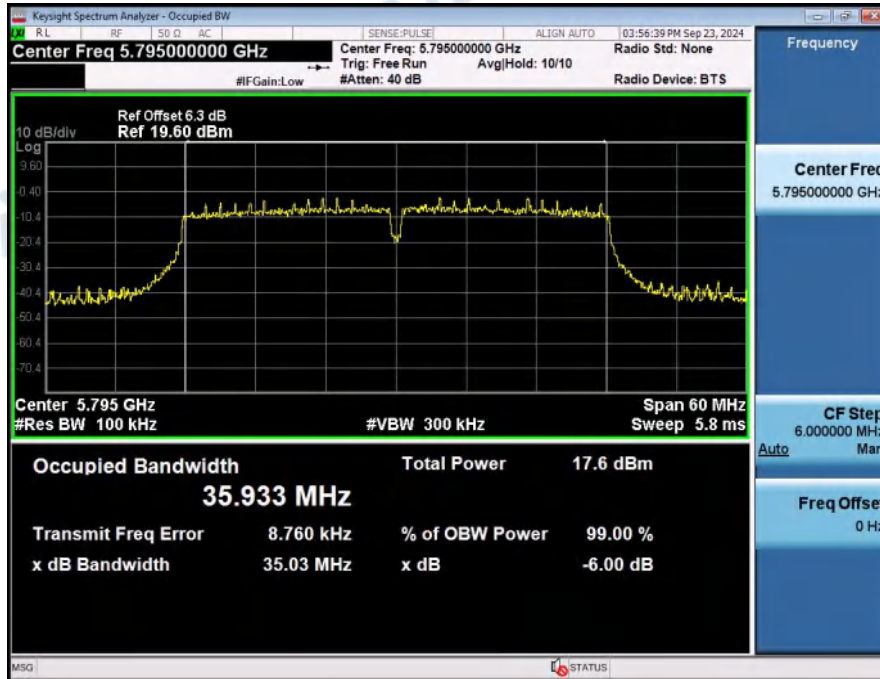
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11ac(VHT20)_5825_20M



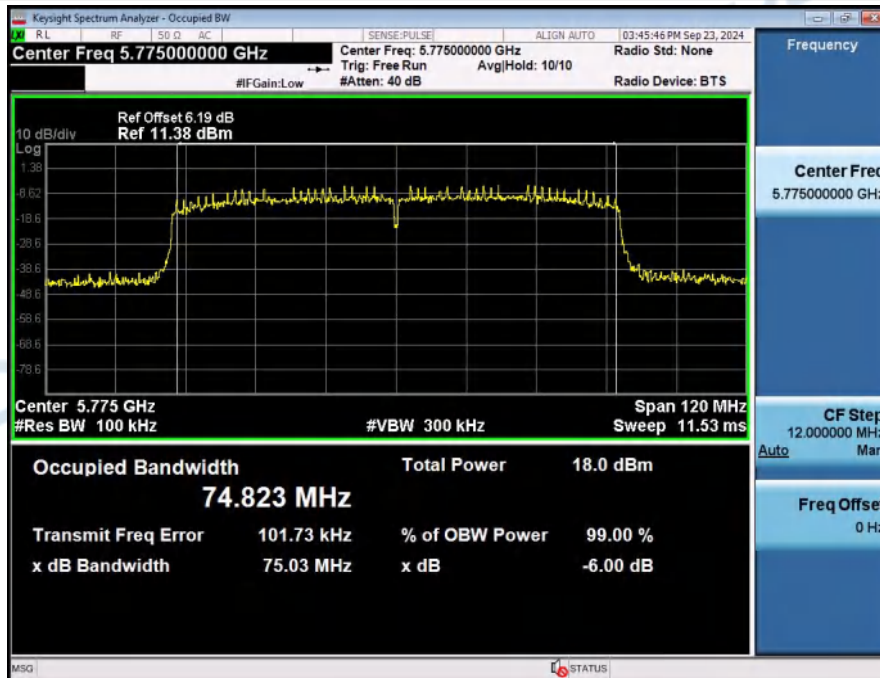
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11ac(VHT40)_5755_40M



-6dB_Emission_Bandwidth_NVNT_ANT1_802_11ac(VHT40)_5795_40M



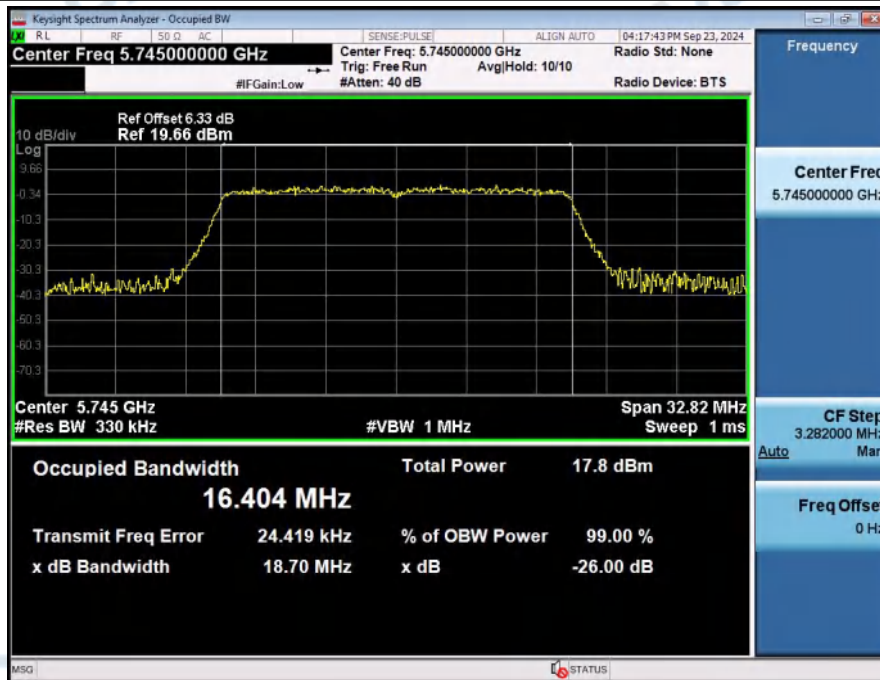
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11ac(VHT80)_5775_80M



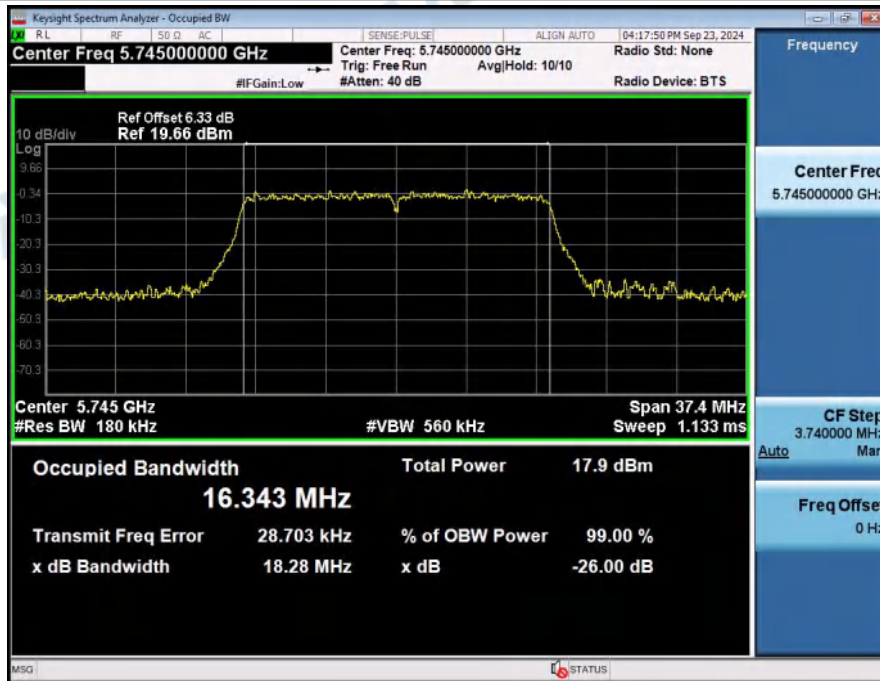
2. -26dB and 99% Emission Bandwidth

Condition	Antenna	Modulation	Frequency(MHz)	-26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5745.00	18.28	16.40
NVNT	ANT1	802.11a	5785.00	18.38	16.47
NVNT	ANT1	802.11a	5825.00	20.51	16.49
NVNT	ANT1	802.11ac(VHT20)	5745.00	19.39	17.58
NVNT	ANT1	802.11ac(VHT20)	5785.00	19.35	17.62
NVNT	ANT1	802.11ac(VHT20)	5825.00	19.56	17.64
NVNT	ANT1	802.11ac(VHT40)	5755.00	40.90	36.23
NVNT	ANT1	802.11ac(VHT40)	5795.00	40.68	36.24
NVNT	ANT1	802.11ac(VHT80)	5775.00	81.10	74.80

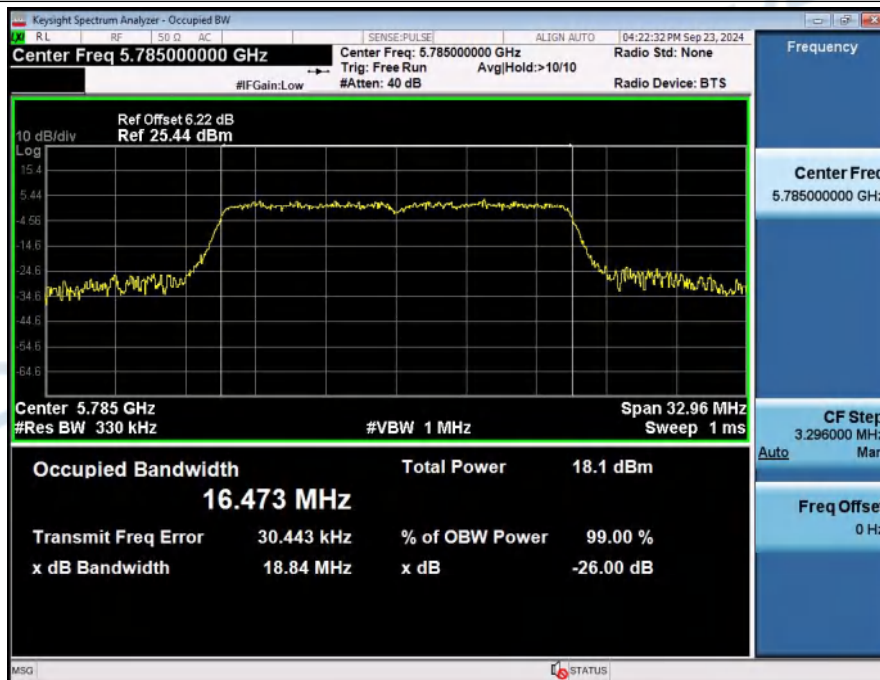
99%_OCB_NVNT_ANT1_802_11a_5745



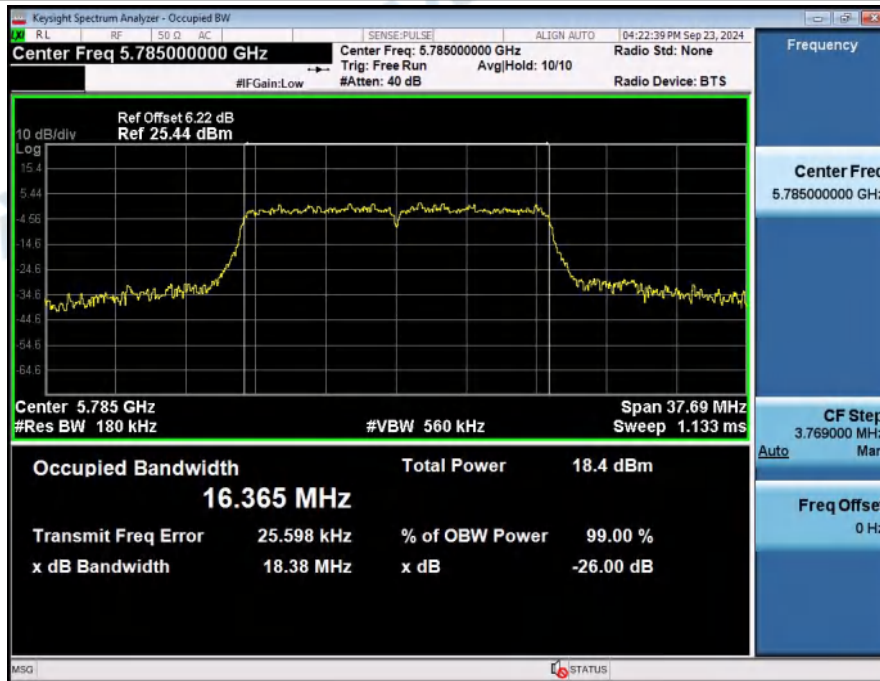
-26BW_NVNT_ANT1_802_11a_5745



99%_OCB_NVNT_ANT1_802_11a_5785



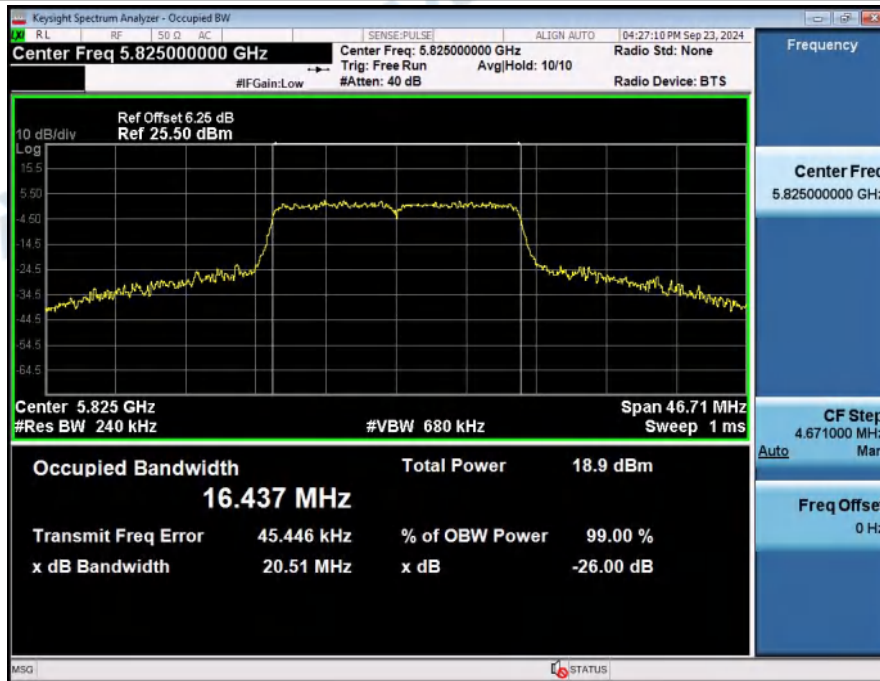
-26BW_NVNT_ANT1_802_11a_5785



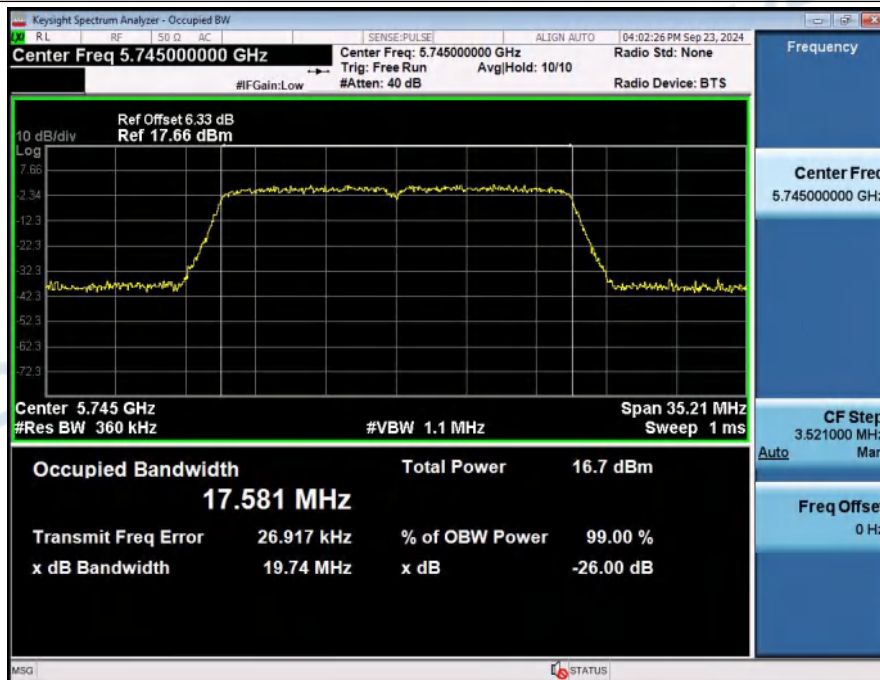
99%_OCB_NVNT_ANT1_802_11a_5825



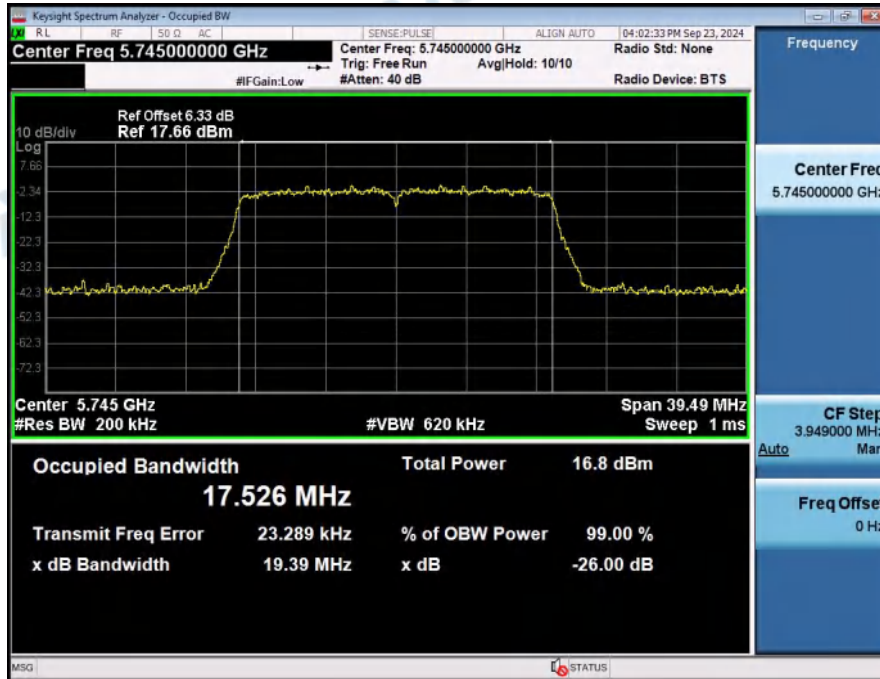
-26BW_NVNT_ANT1_802_11a_5825



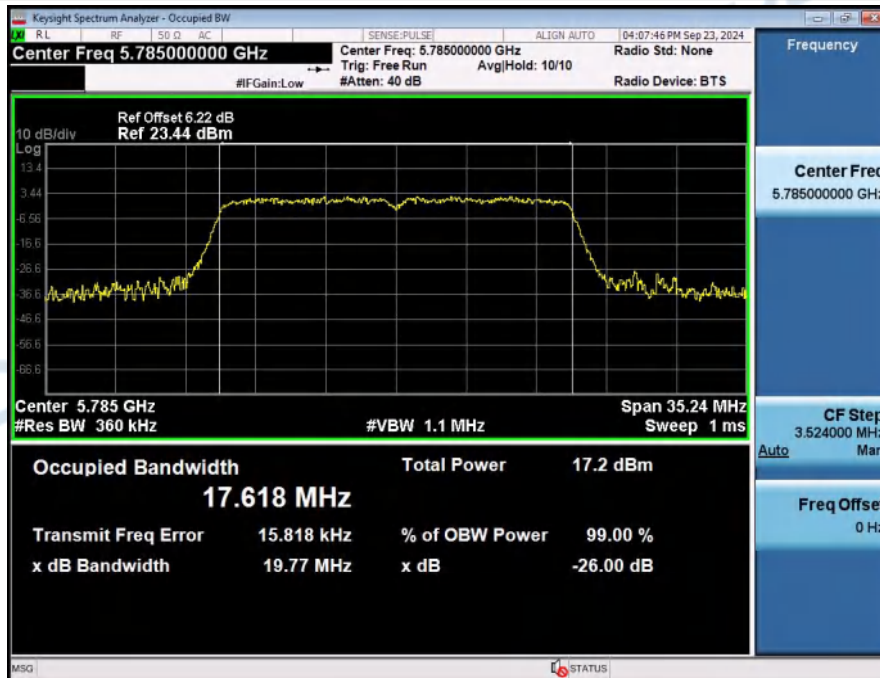
99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5745



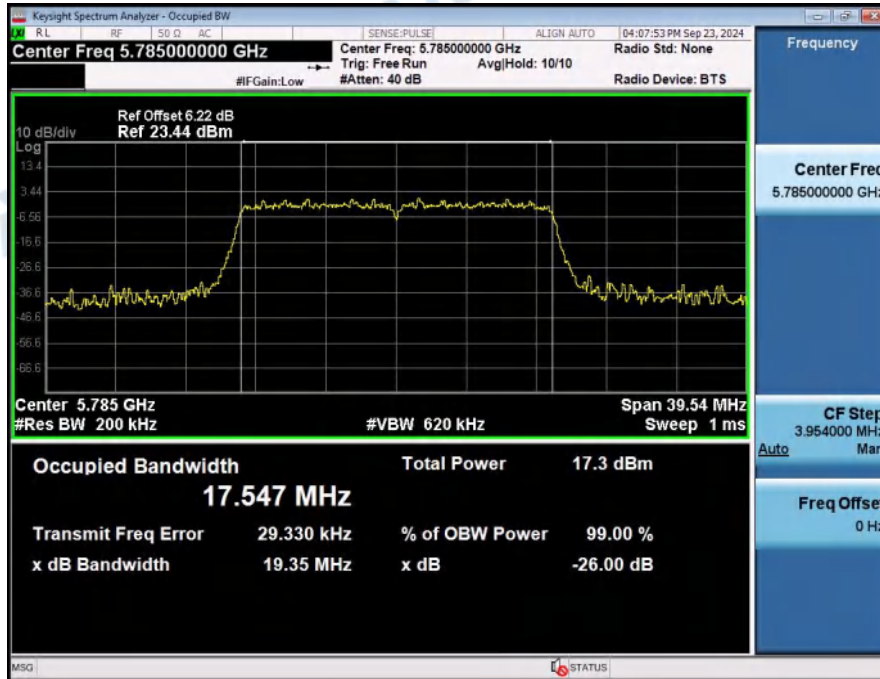
-26BW_NVNT_ANT1_802_11ac(VHT20)_5745



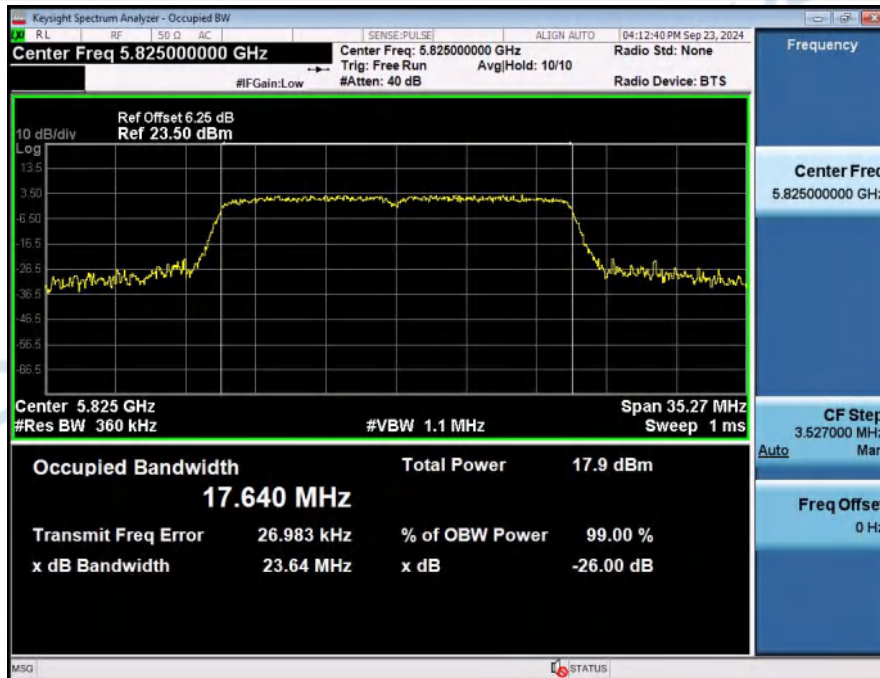
99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5785



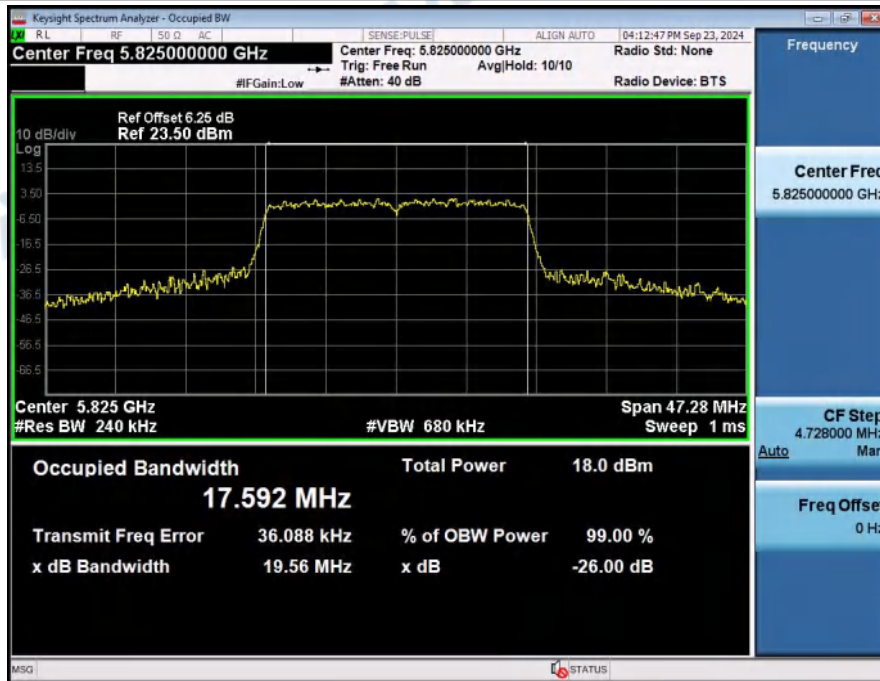
-26BW_NVNT_ANT1_802_11ac(VHT20)_5785



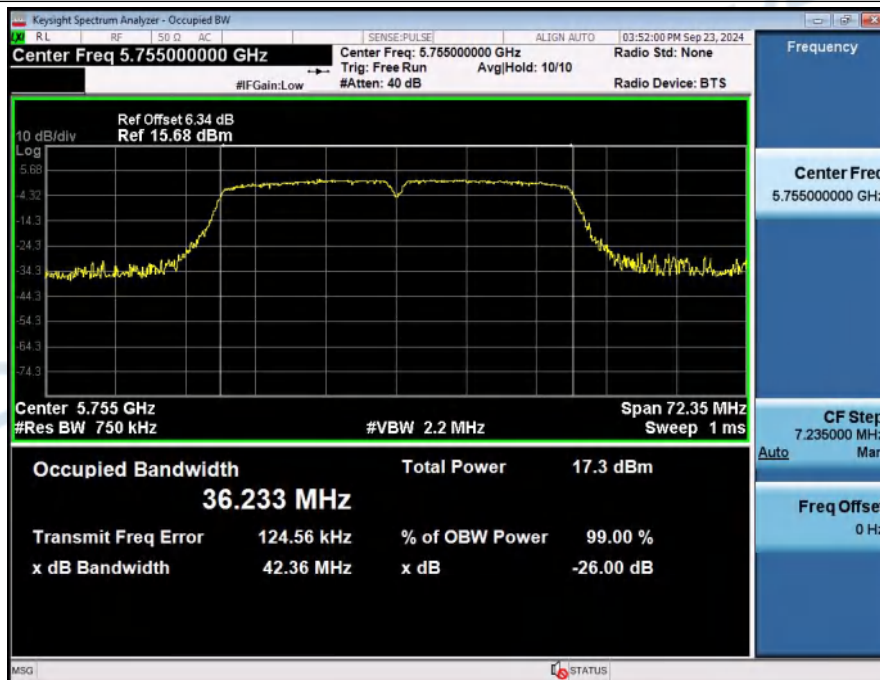
99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5825



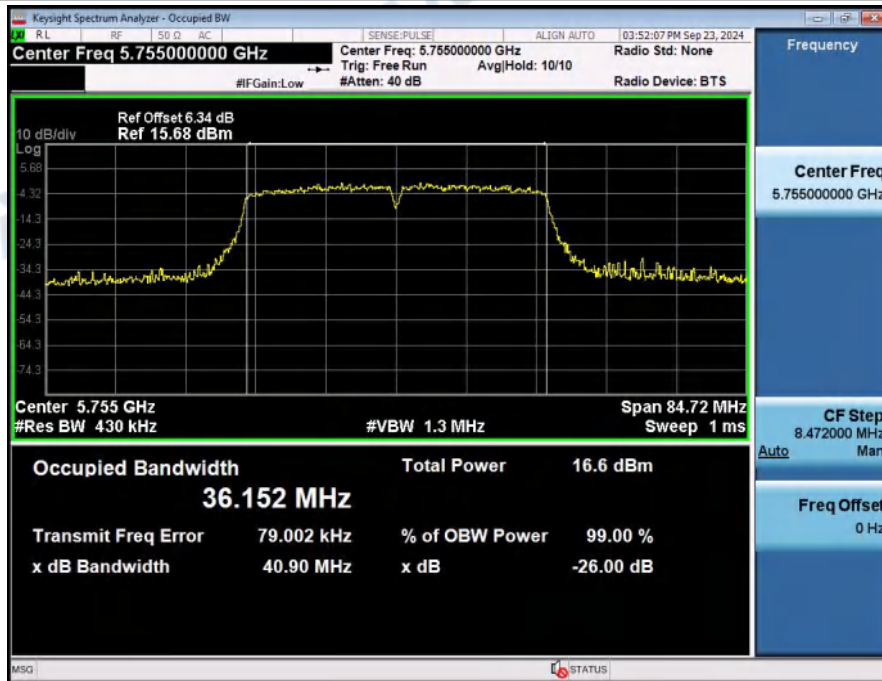
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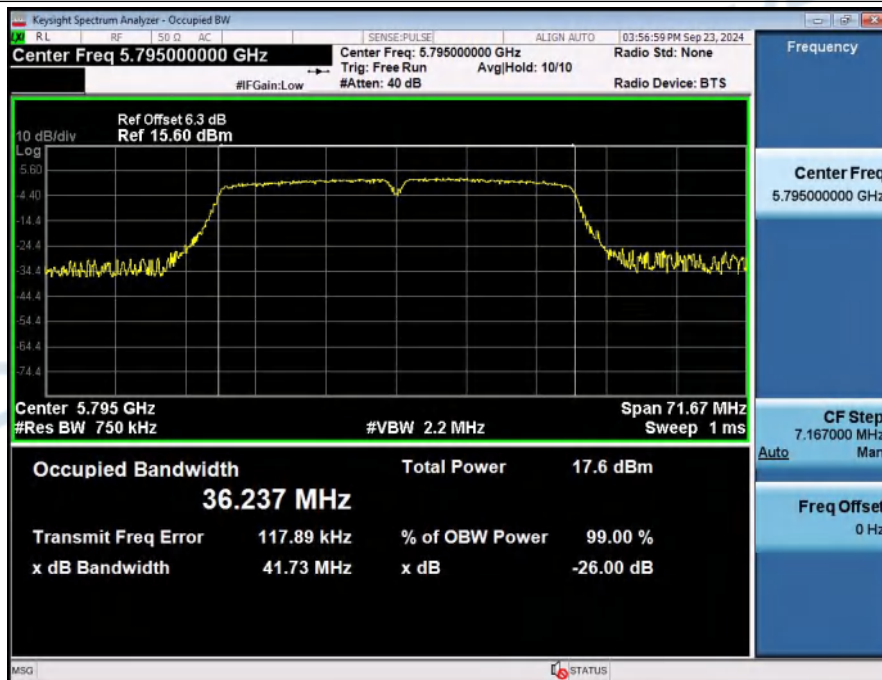
99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5755



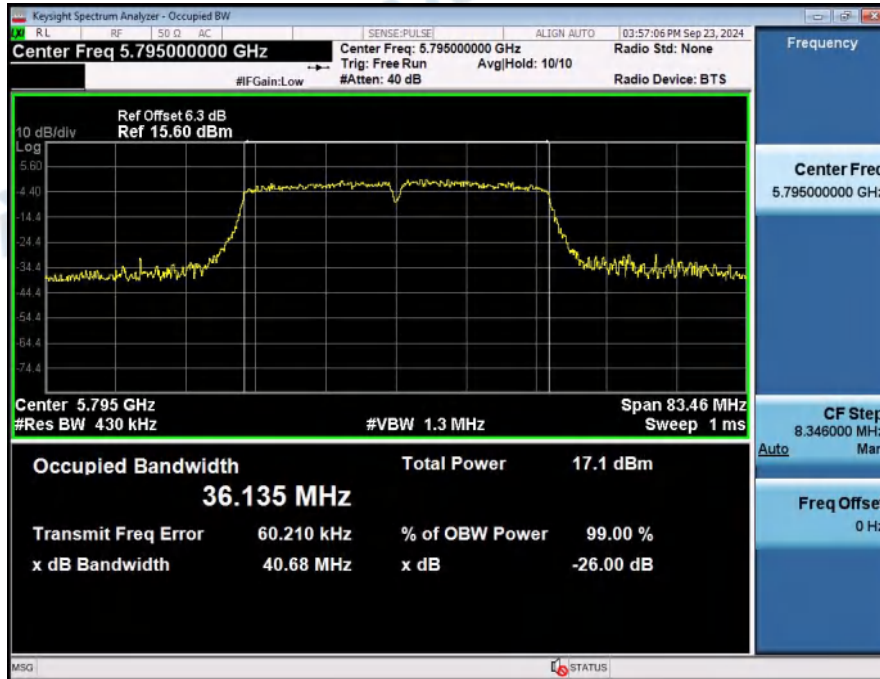
-26BW_NVNT_ANT1_802_11ac(VHT40)_5755



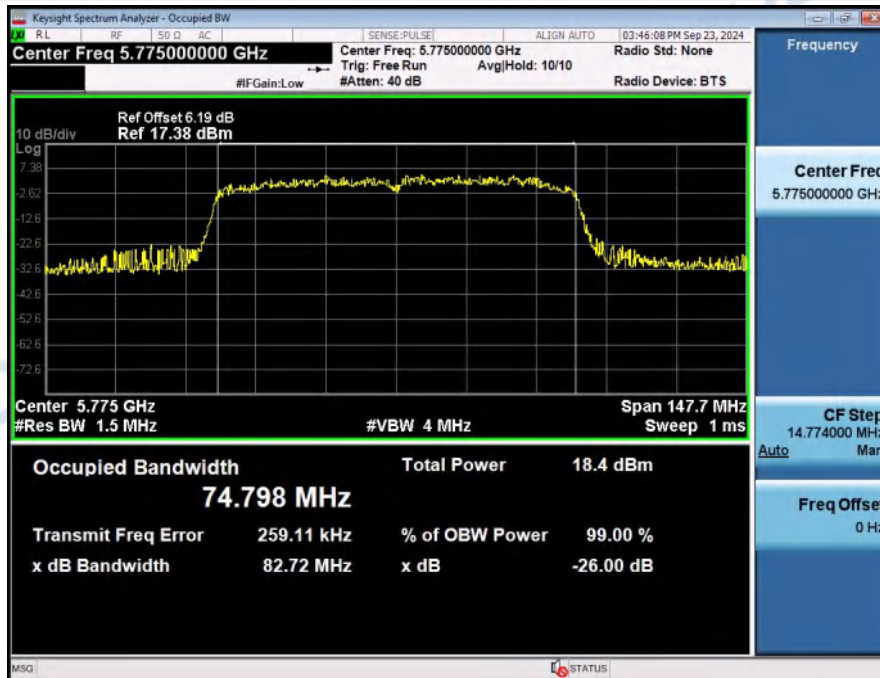
99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5795



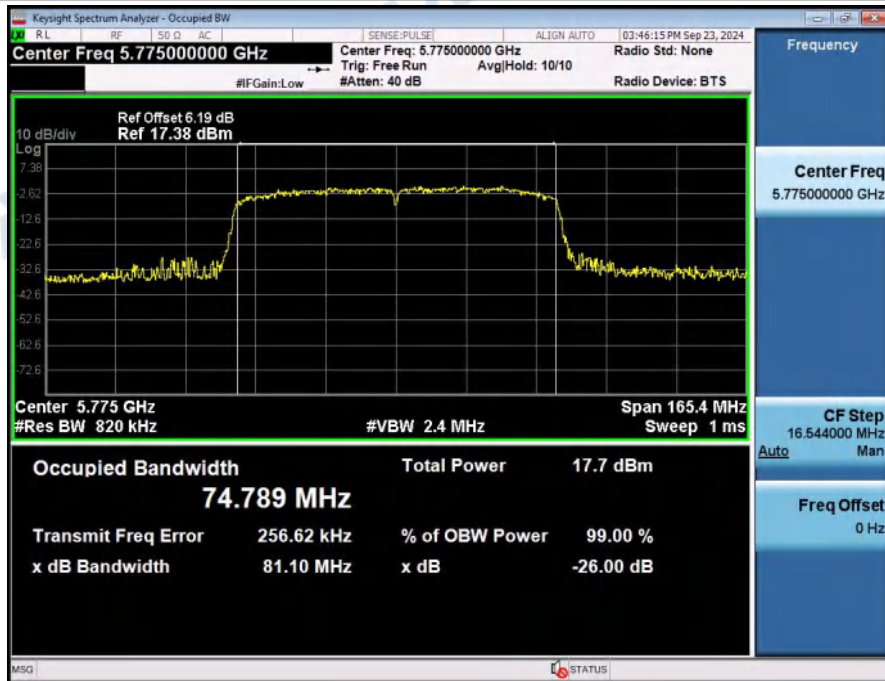
-26BW_NVNT_ANT1_802_11ac(VHT40)_5795



99%_OCB_NVNT_ANT1_802_11ac(VHT80)_5775



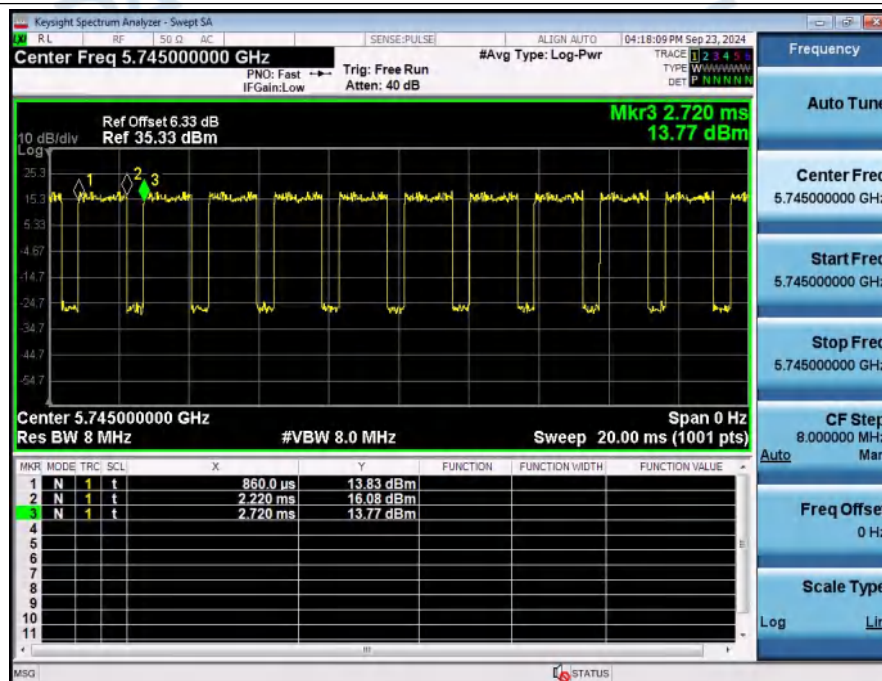
-26BW_NVNT_ANT1_802_11ac(VHT80)_5775



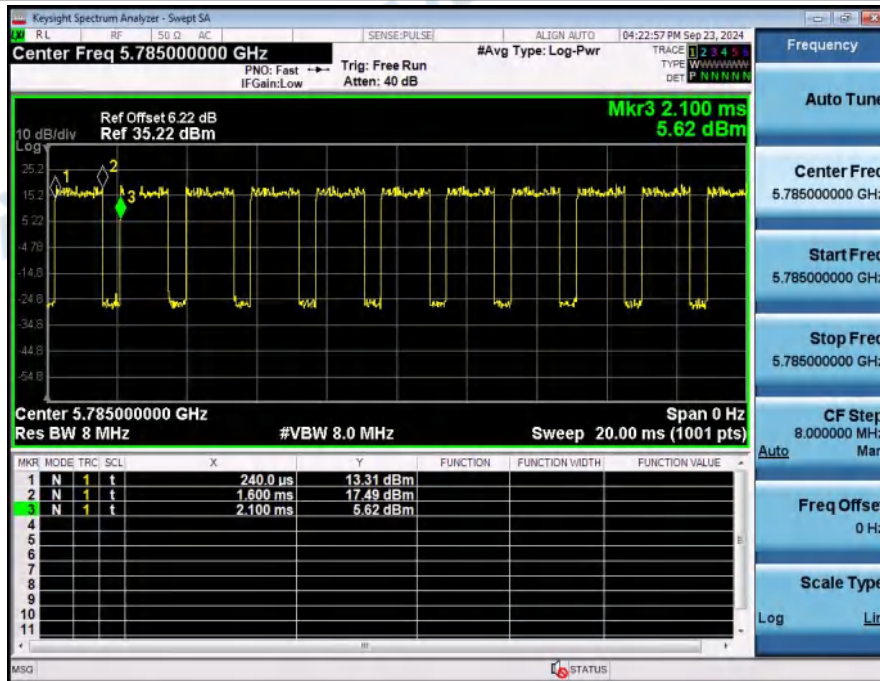
3. Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5745.00	73.12	1.36
NVNT	ANT1	802.11a	5785.00	73.12	1.36
NVNT	ANT1	802.11a	5825.00	73.12	1.36
NVNT	ANT1	802.11ac(VHT20)	5745.00	70.79	1.50
NVNT	ANT1	802.11ac(VHT20)	5785.00	71.91	1.43
NVNT	ANT1	802.11ac(VHT20)	5825.00	71.91	1.43
NVNT	ANT1	802.11ac(VHT40)	5755.00	56.14	2.51
NVNT	ANT1	802.11ac(VHT40)	5795.00	56.14	2.51
NVNT	ANT1	802.11ac(VHT80)	5775.00	39.02	4.09

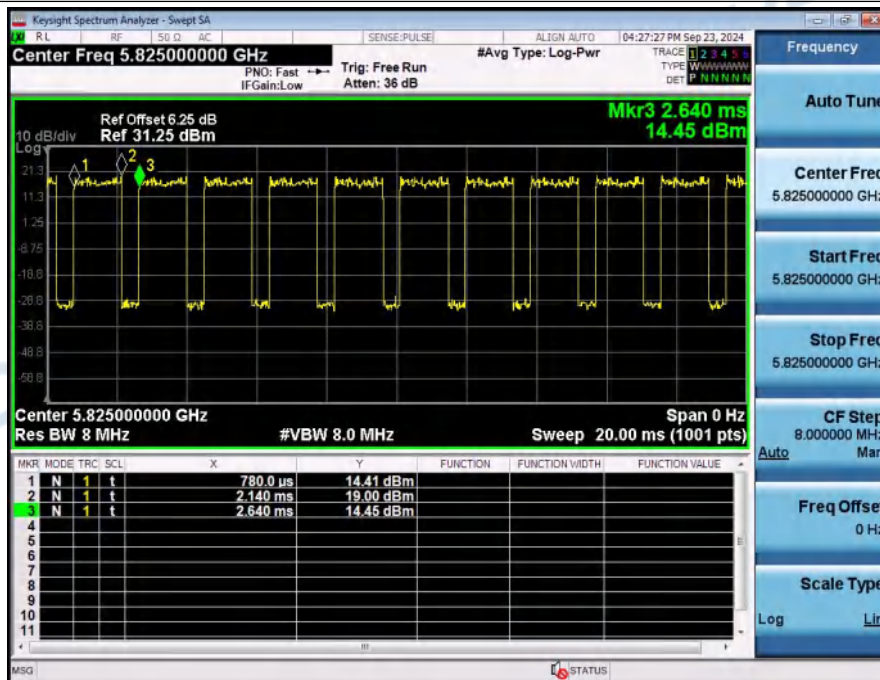
Duty_Cycle_NVNT_ANT1_802_11a_5745



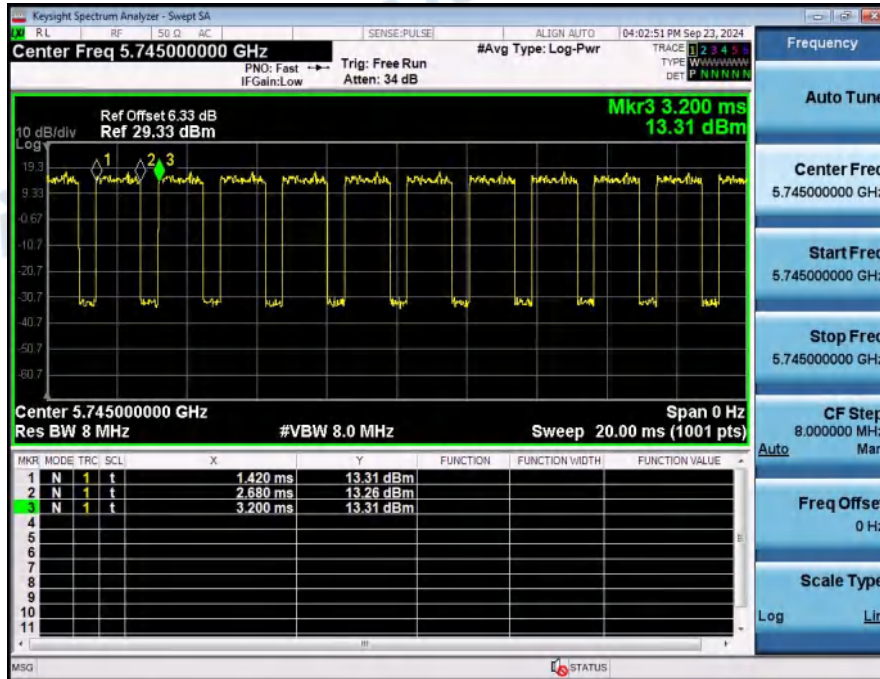
Duty_Cycle_NVNT_ANT1_802_11a_5785



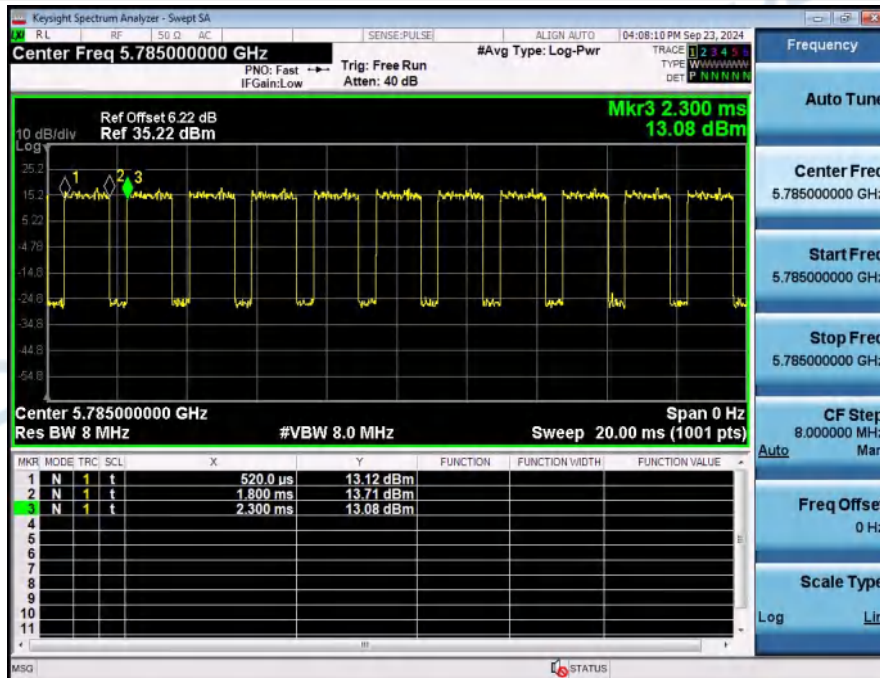
Duty_Cycle_NVNT_ANT1_802_11a_5825



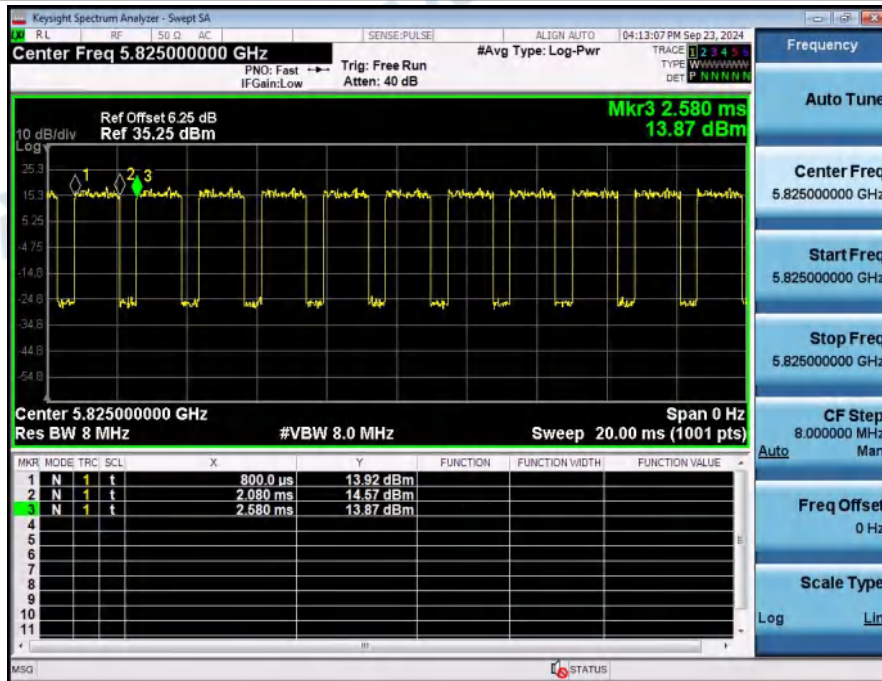
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5745



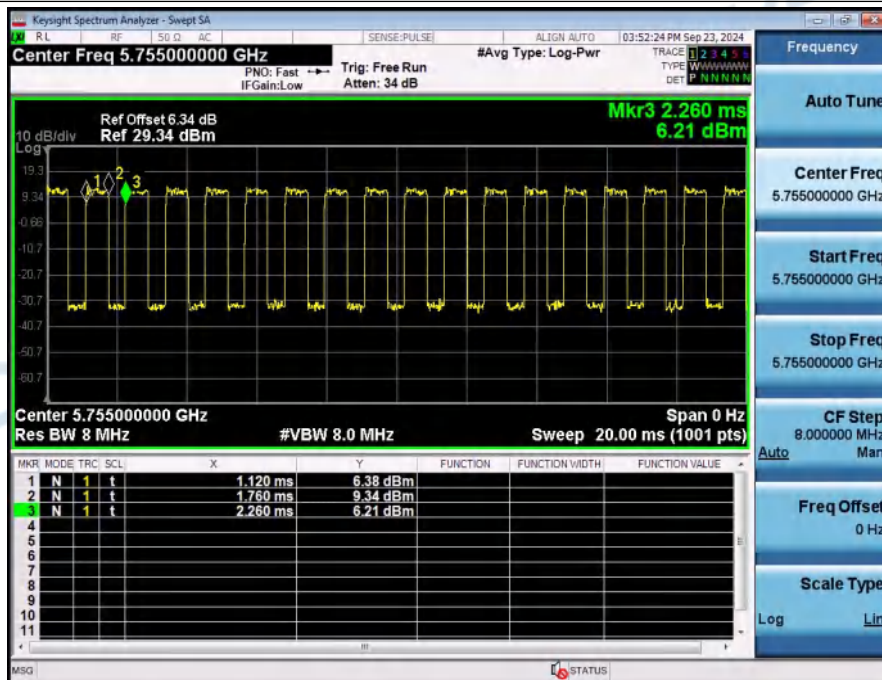
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5785



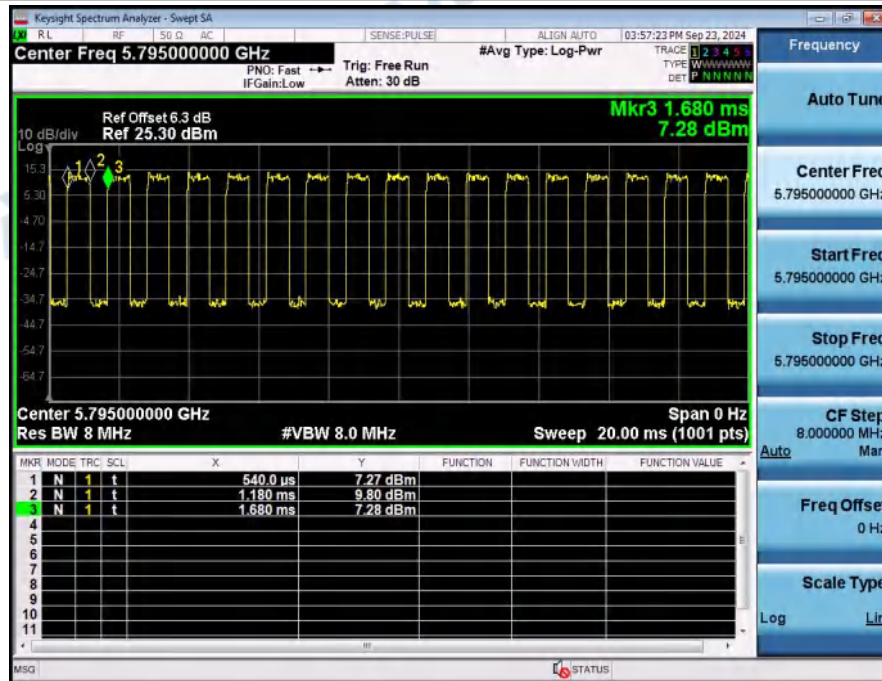
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5825



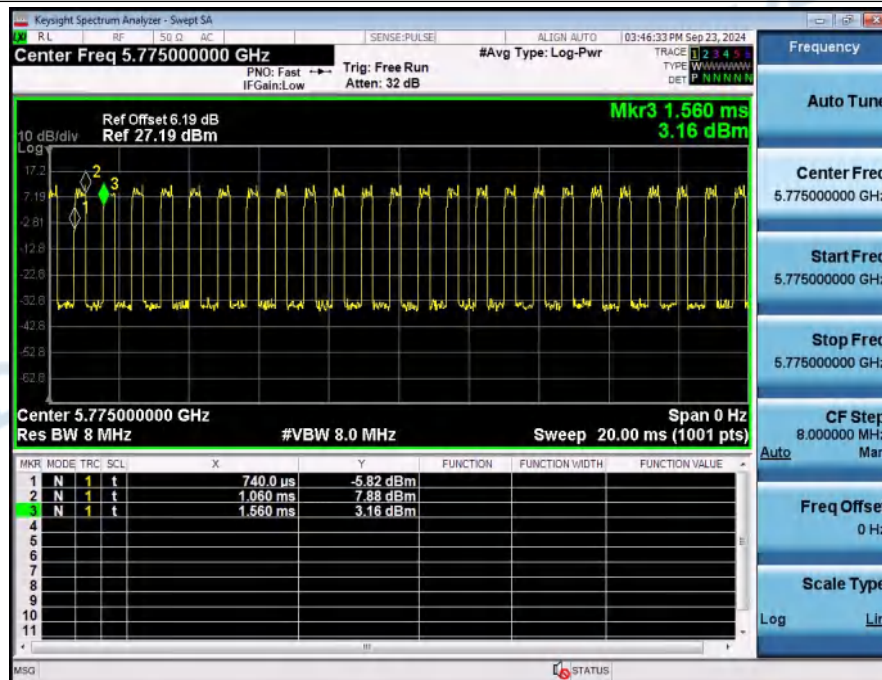
Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5755



Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5795



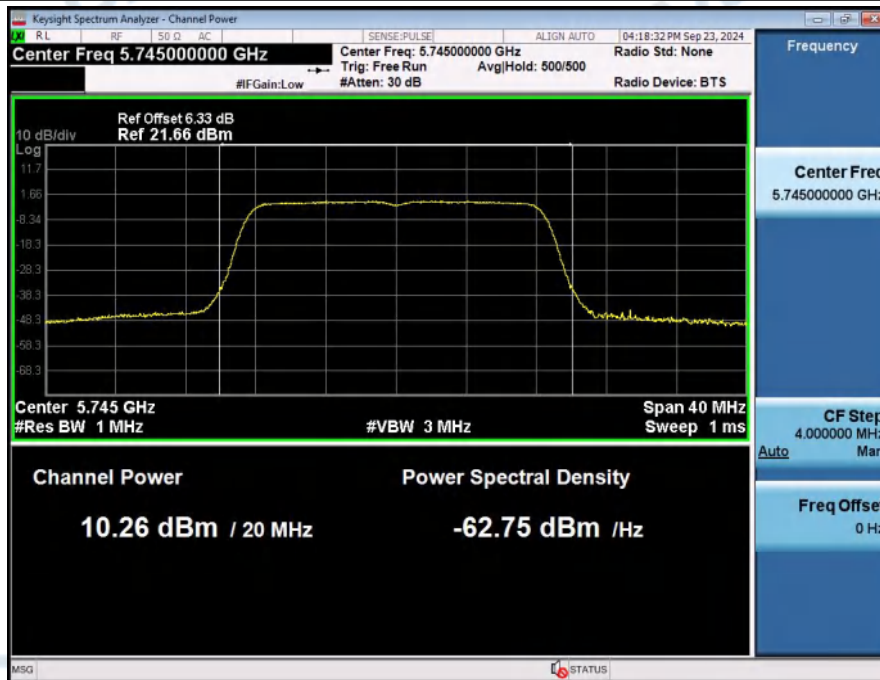
Duty_Cycle_NVNT_ANT1_802_11ac(VHT80)_5775



4. Maximum Conducted Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	10.26	1.36	11.62	30	Pass
NVNT	ANT1	802.11a	5785.00	10.57	1.36	11.93	30	Pass
NVNT	ANT1	802.11a	5825.00	11.17	1.36	12.53	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	9.00	1.50	10.50	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	9.60	1.43	11.03	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	10.29	1.43	11.72	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	7.94	2.51	10.45	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	8.30	2.51	10.81	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	6.72	4.09	10.81	30	Pass

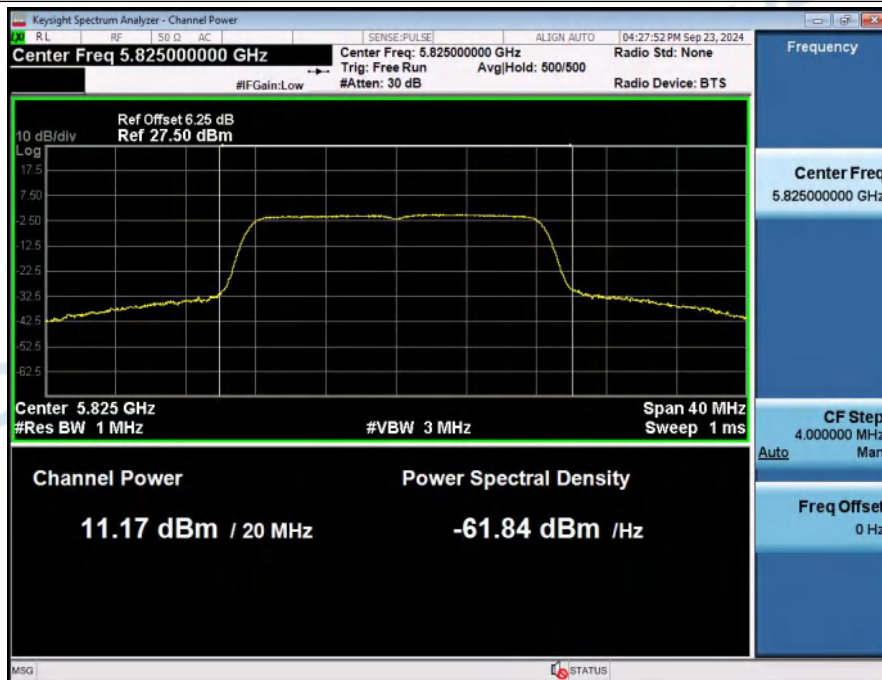
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5745



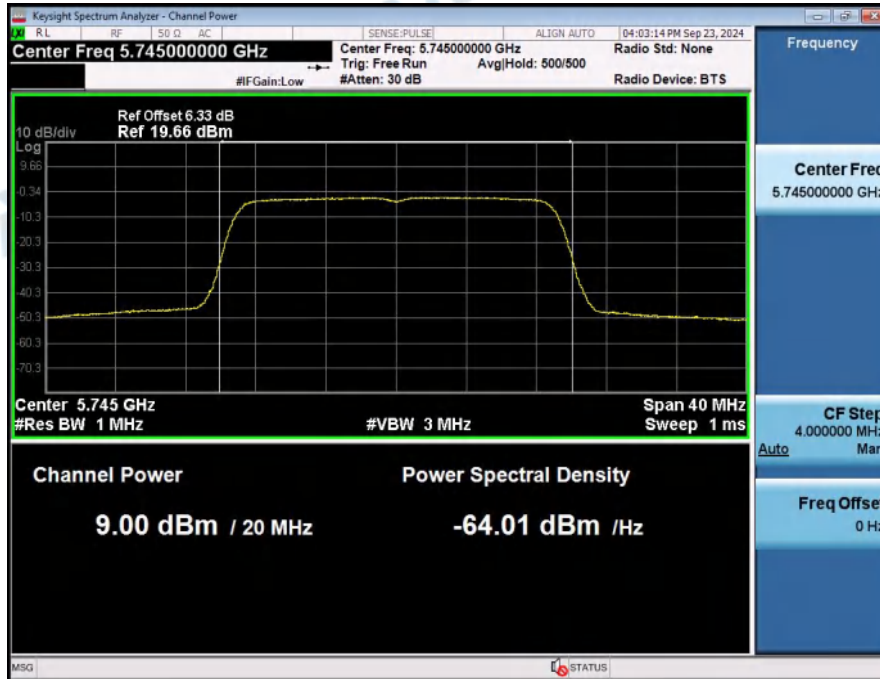
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5785



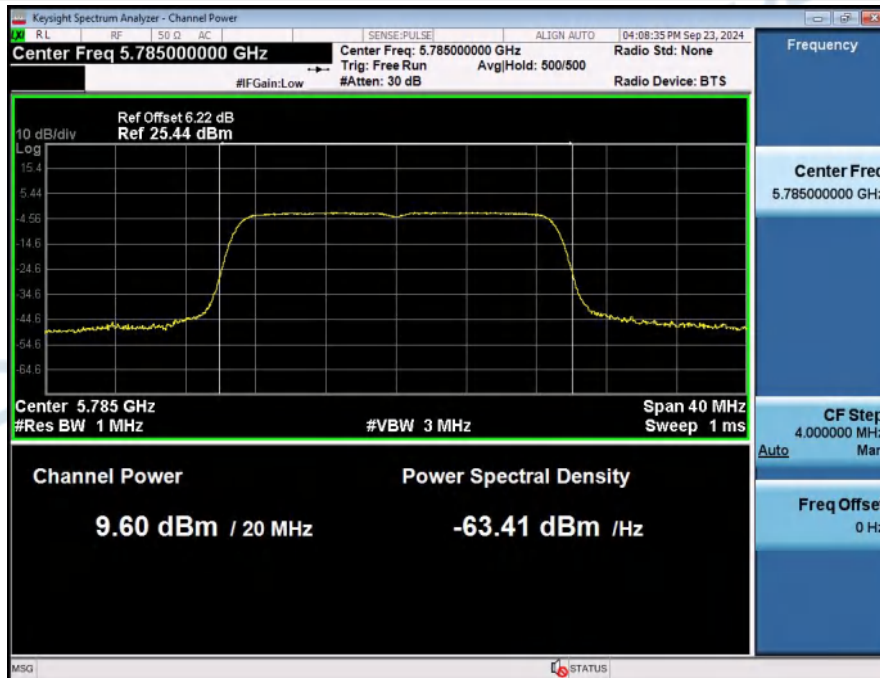
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5825



Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT20)_5745



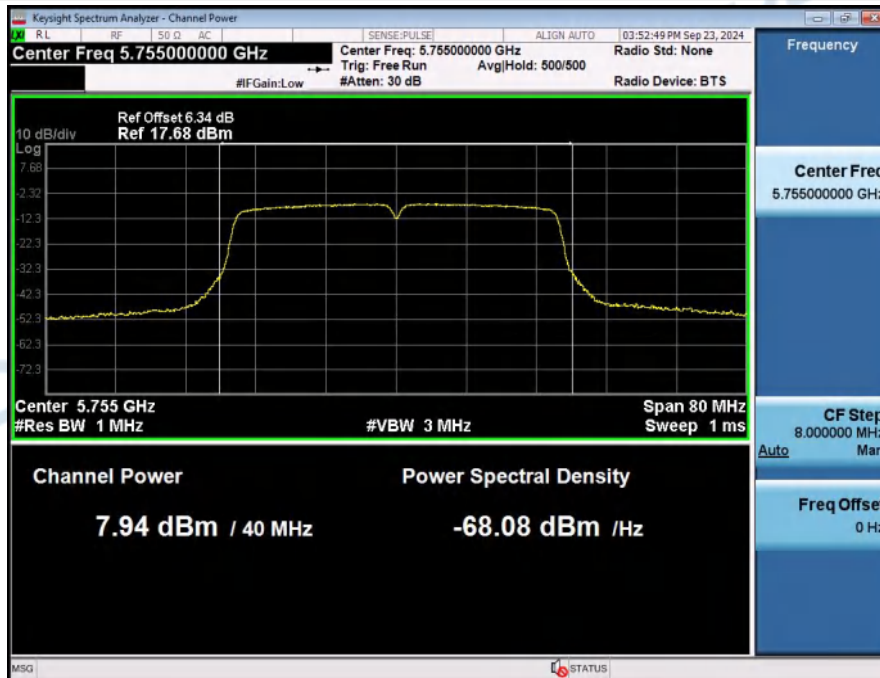
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT20)_5785



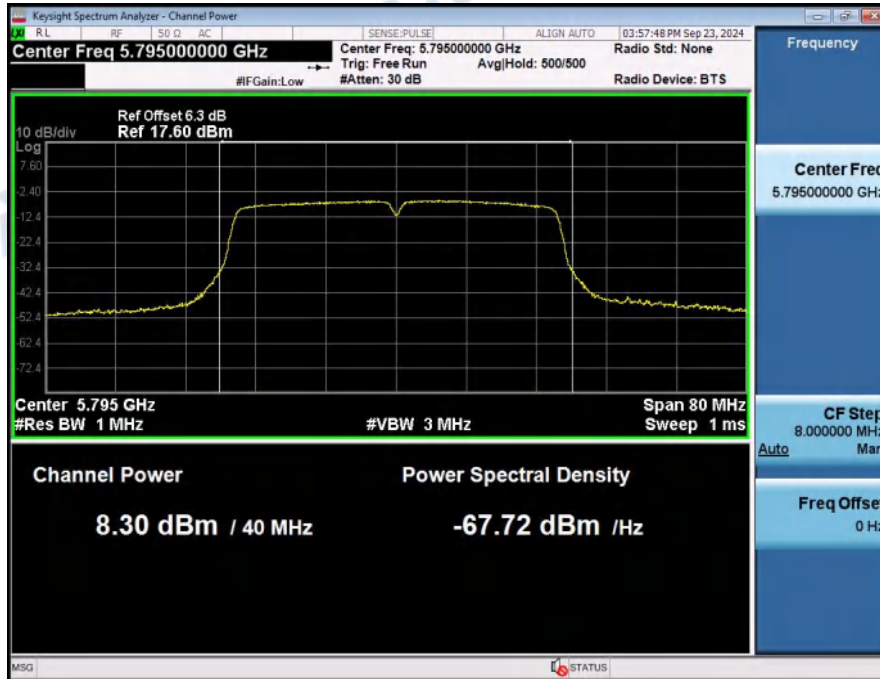
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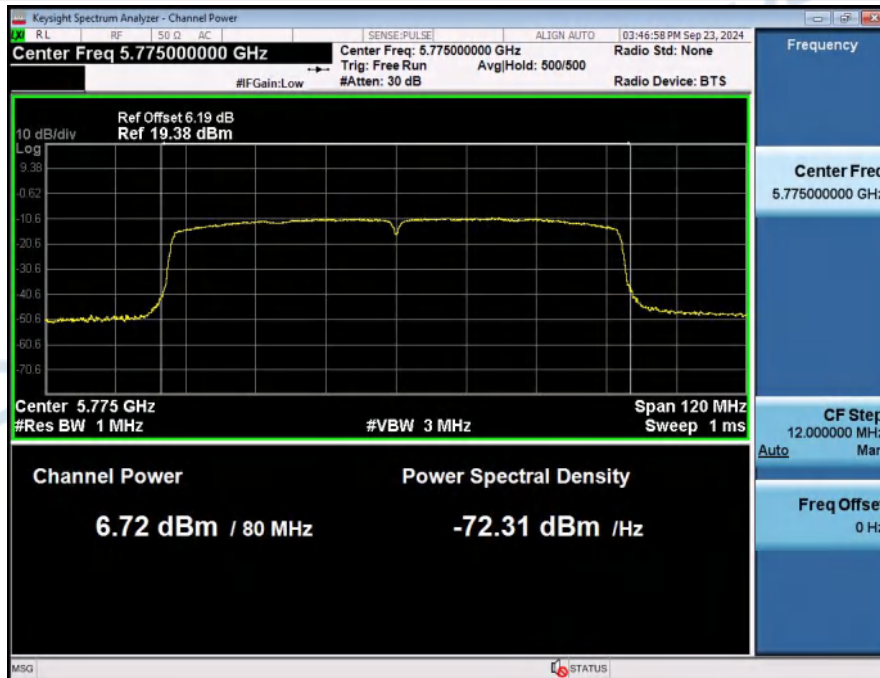
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT40)_5755



Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT40)_5795



Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT80)_5775



5. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD_SA (dBm/RBW)	Duty factor (dB)	RB factor (dB)	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
NVNT	ANT1	802.11a	5745.00	-13.98	1.36	-0	-12.71	30	Pass
NVNT	ANT1	802.11a	5785.00	-16.08	1.36	-0	-14.81	30	Pass
NVNT	ANT1	802.11a	5825.00	-13.64	1.36	-0	-12.37	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	-18.50	1.50	-0	-17.09	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	-22.18	1.43	-0	-20.83	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	-21.73	1.43	-0	-20.39	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	-31.46	2.51	-0	-29.03	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	-30.77	2.51	-0	-28.34	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	-44.25	4.09	-0	-40.25	30	Pass

Power_Spectral_Density_NVNT_ANT1_802_11a_5745



Power_Spectral_Density_NVNT_ANT1_802_11a_5785



Power_Spectral_Density_NVNT_ANT1_802_11a_5825



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5745



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5785



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5825



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT40)_5755



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT40)_5795



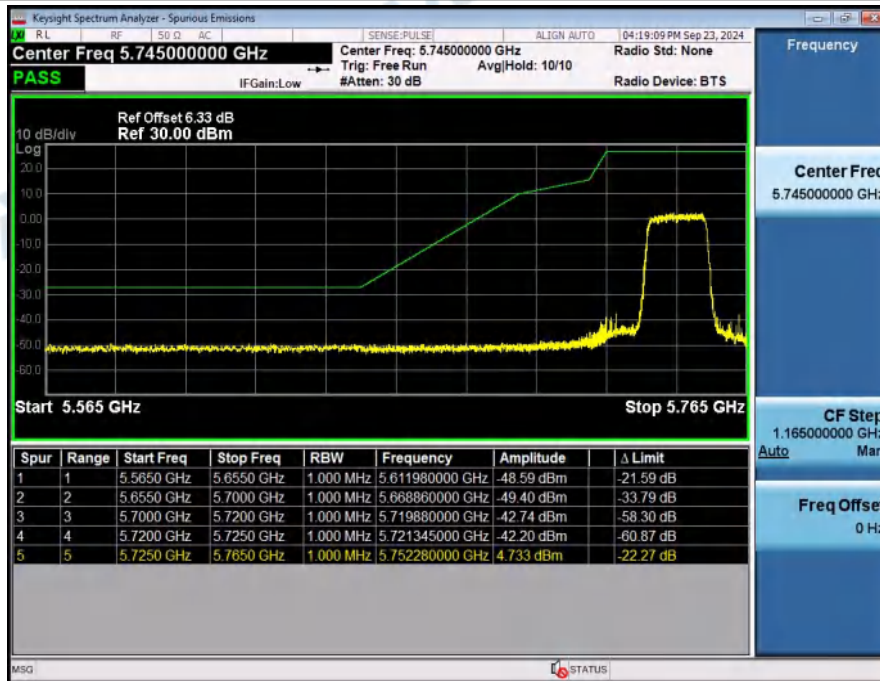
Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT80)_5775



6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Frequency Area(MHz)	Frequency(MHz)	Amplitude(dBm)	Limit(dBm)	Result
NVNT	ANT1	802.11a	LCH	5565-5655	5611.980	-48.59	-27.00	Pass
NVNT	ANT1	802.11a	LCH	5655-5700	5668.860	-49.40	-15.60	Pass
NVNT	ANT1	802.11a	LCH	5700-5720	5719.880	-42.74	15.57	Pass
NVNT	ANT1	802.11a	LCH	5720-5725	5721.345	-42.20	18.67	Pass
NVNT	ANT1	802.11a	HCH	5850-5855	5854.245	-42.74	17.32	Pass
NVNT	ANT1	802.11a	HCH	5855-5875	5856.600	-44.11	15.15	Pass
NVNT	ANT1	802.11a	HCH	5875-5920	5918.245	-47.77	-25.56	Pass
NVNT	ANT1	802.11a	HCH	5920-6005	5939.975	-44.51	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5565-5655	5651.130	-48.99	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5655-5700	5660.400	-48.99	-22.56	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5700-5720	5712.340	-47.47	13.46	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5720-5725	5723.935	-43.22	24.57	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5850-5855	5850.455	-43.68	25.96	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5855-5875	5871.860	-47.31	10.88	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5875-5920	5902.405	-48.23	-12.53	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5920-6005	5924.675	-43.97	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5595-5655	5650.020	-48.43	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5655-5700	5659.050	-49.16	-23.67	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5700-5720	5719.020	-42.46	15.33	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5720-5725	5720.565	-41.29	16.89	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5850-5855	5853.920	-46.76	18.06	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5855-5875	5874.700	-47.47	10.08	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5875-5920	5915.500	-47.90	-23.30	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5920-5955	5940.545	-43.63	-27.00	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5650-5655	5654.390	-49.14	-27.00	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5655-5700	5693.250	-45.83	4.45	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5700-5720	5718.100	-38.19	15.07	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5720-5725	5721.390	-37.24	18.77	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5850-5855	5854.355	-41.11	17.07	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5855-5875	5860.840	-40.58	13.96	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5875-5920	5909.560	-47.56	-18.42	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5920-5925	5921.715	-44.12	-27.00	Pass

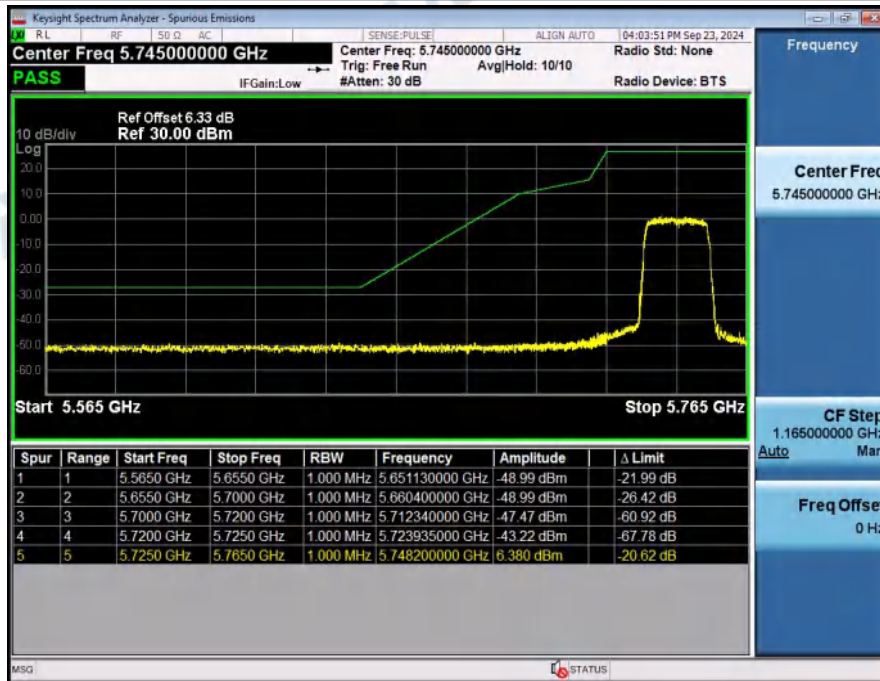
Bandedge_NVNT_ANT1_802_11a_5745



Bandedge_NVNT_ANT1_802_11a_5825



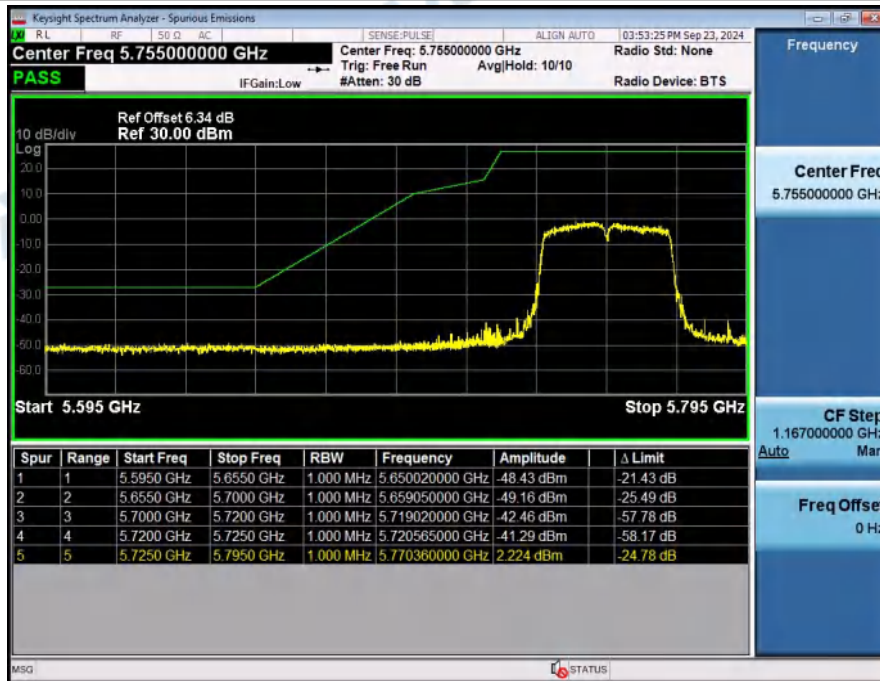
Bandedge_NVNT_ANT1_802_11ac(VHT20)_5745



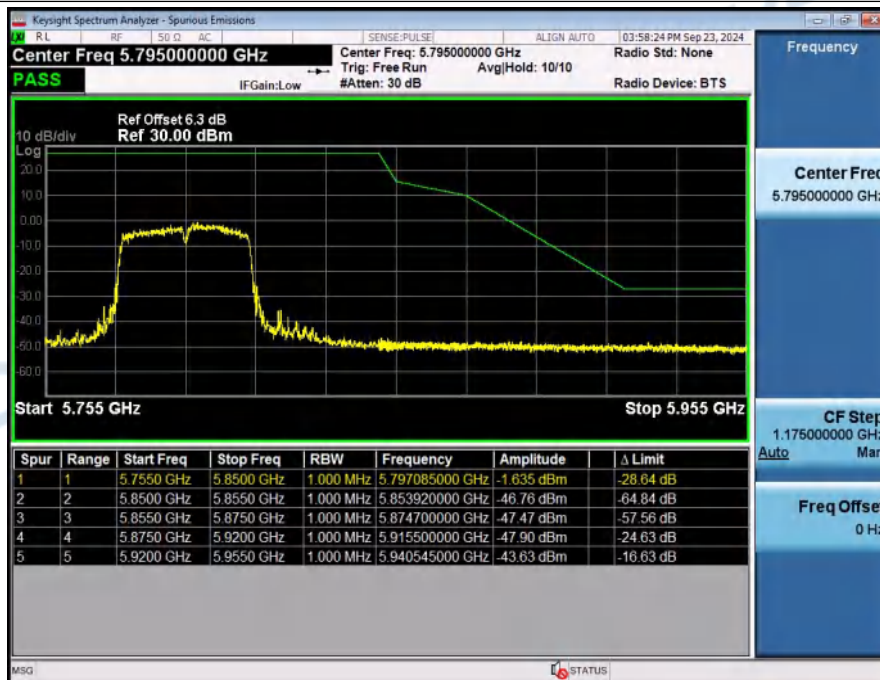
Bandedge_NVNT_ANT1_802_11ac(VHT20)_5825



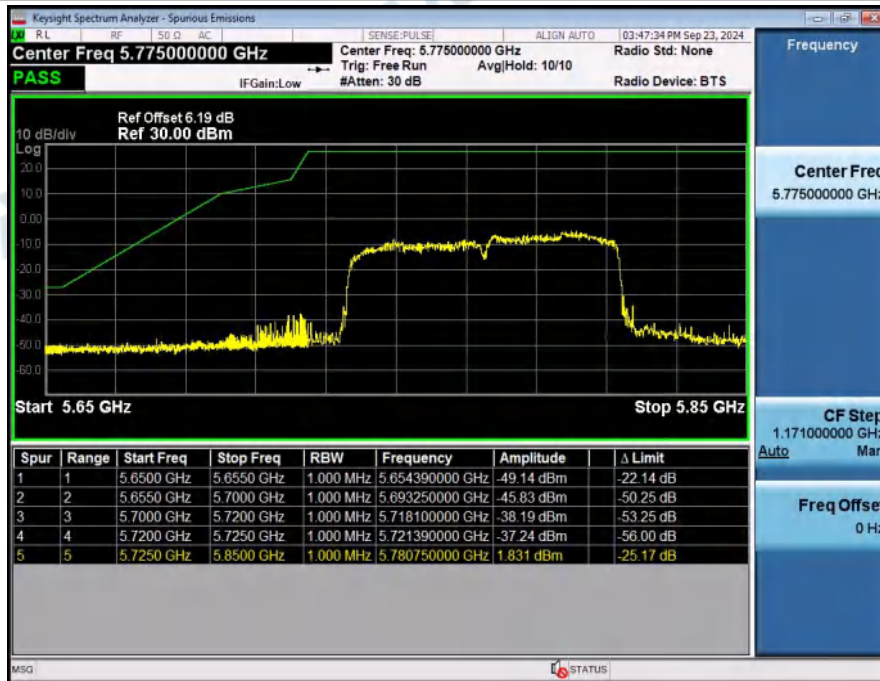
Bandedge_NVNT_ANT1_802_11ac(VHT40)_5755



Bandedge_NVNT_ANT1_802_11ac(VHT40)_5795



Bandedge_NVNT_ANT1_802_11ac(VHT80)_5775_low



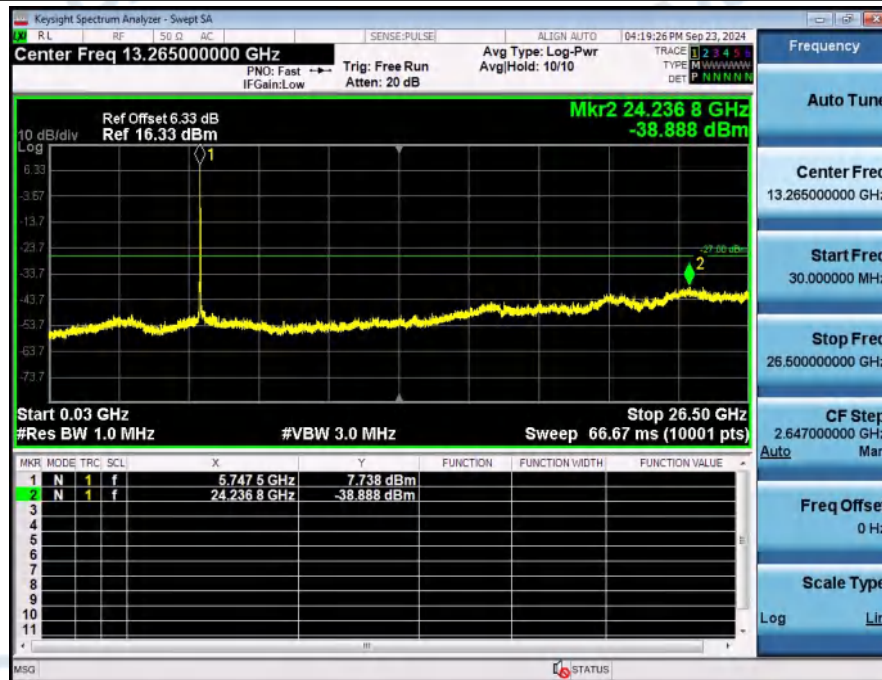
Bandedge_NVNT_ANT1_802_11ac(VHT80)_5775_up



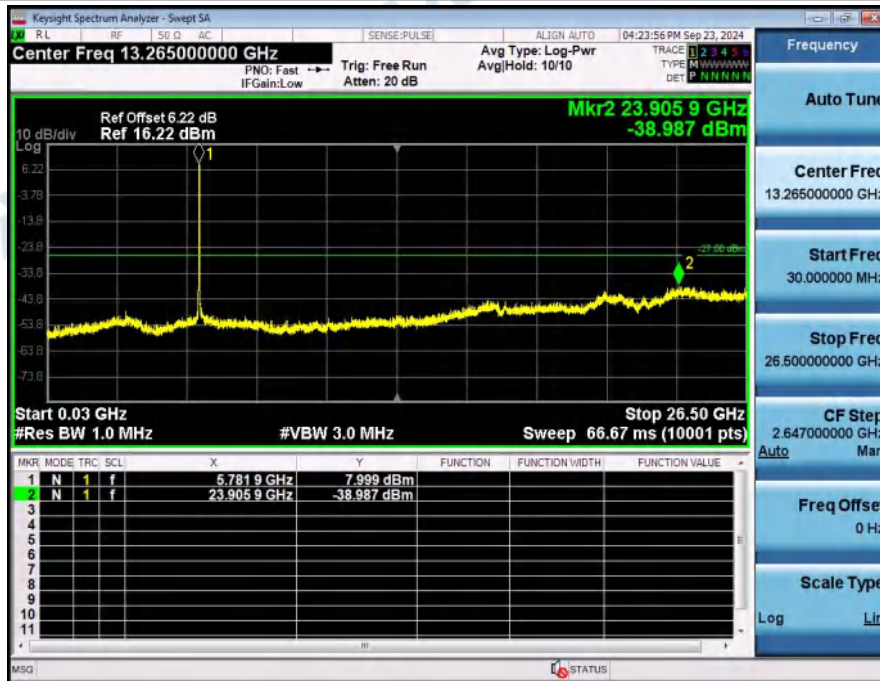
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	24236.81	-38.89	-27	Pass
NVNT	ANT1	802.11a	5785.00	23905.94	-38.99	-27	Pass
NVNT	ANT1	802.11a	5825.00	24107.11	-38.69	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	24128.29	-38.54	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	24183.88	-38.41	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	24167.99	-38.34	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	24093.88	-38.56	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	24091.23	-38.75	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	24453.87	-38.99	-27	Pass

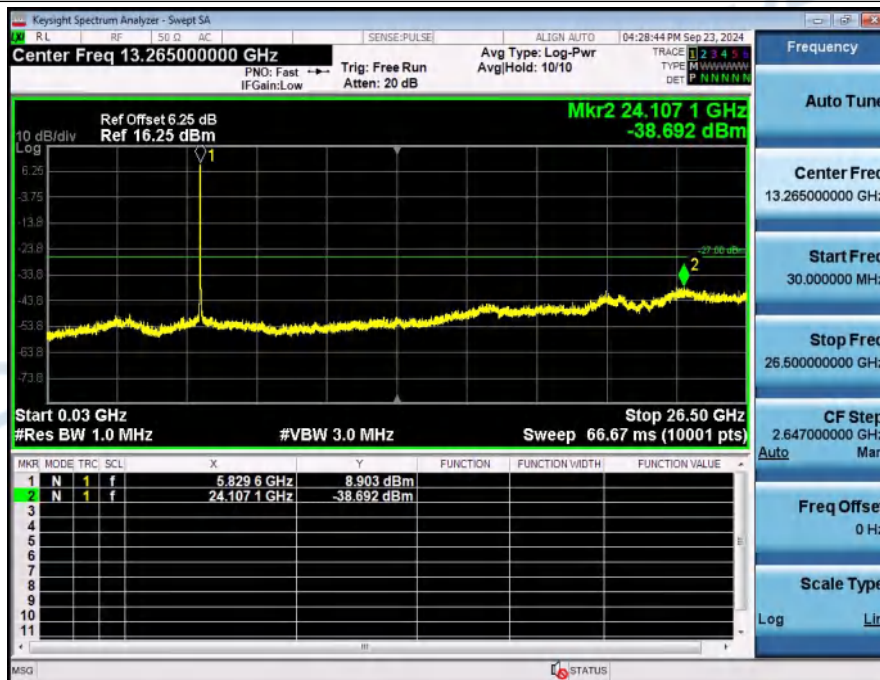
Spurious_Emission_NVNT_ANT1_802_11a_5745



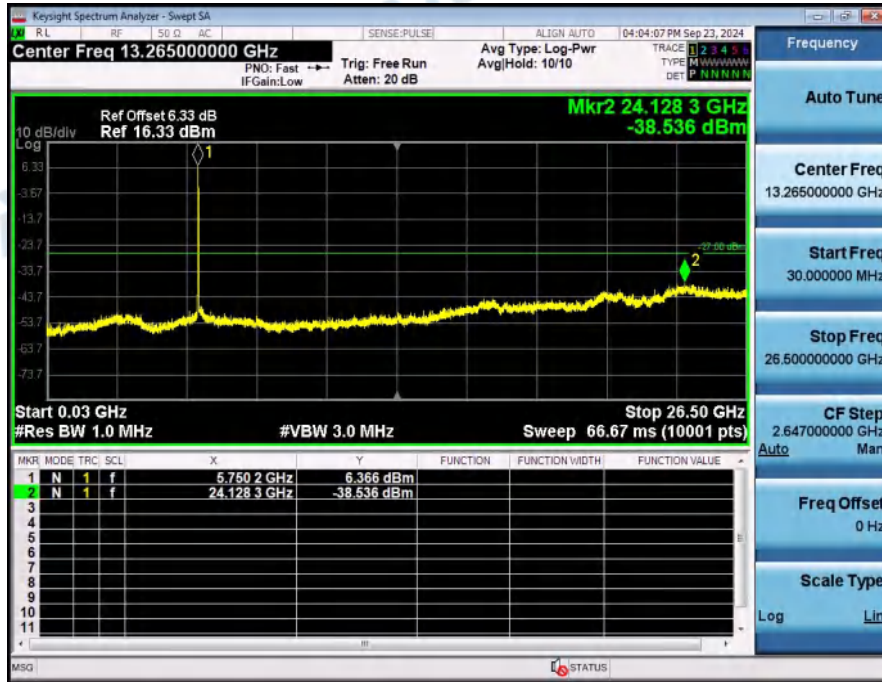
Spurious_Emission_NVNT_ANT1_802_11a_5785



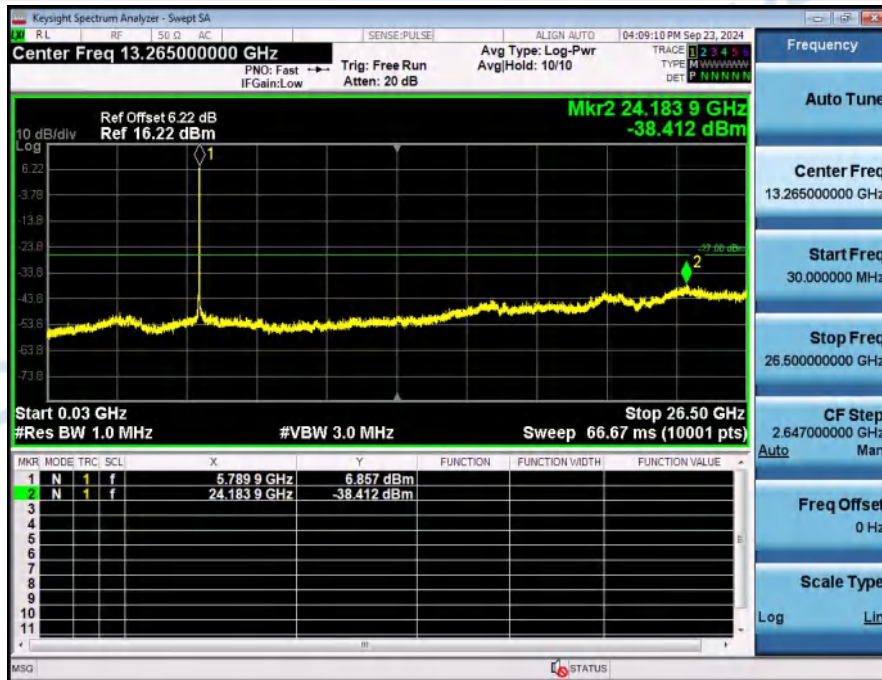
Spurious_Emission_NVNT_ANT1_802_11a_5825



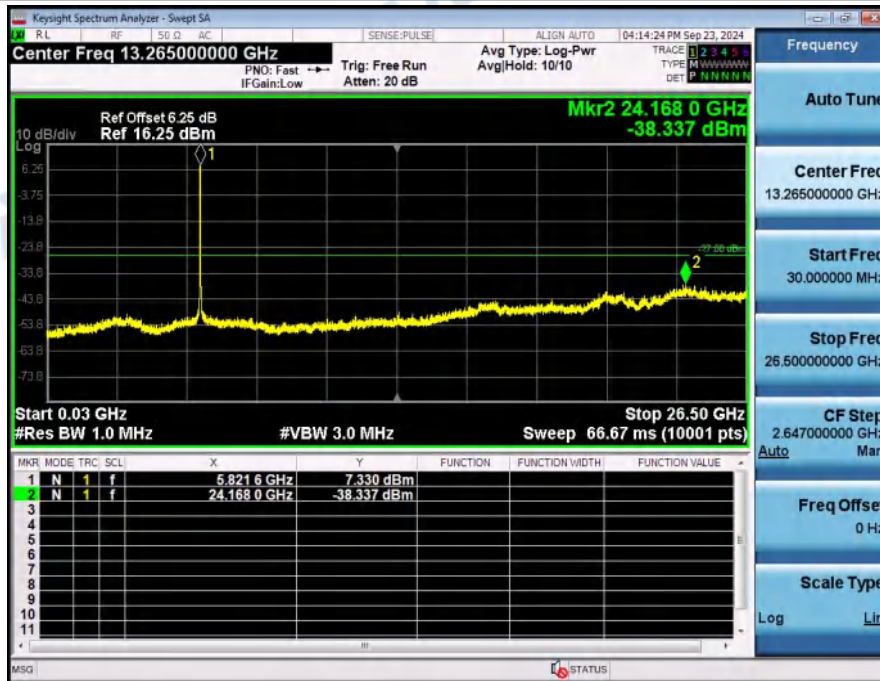
Spurious_Emission_NVNT_ANT1_802_11ac(VHT20)_5745



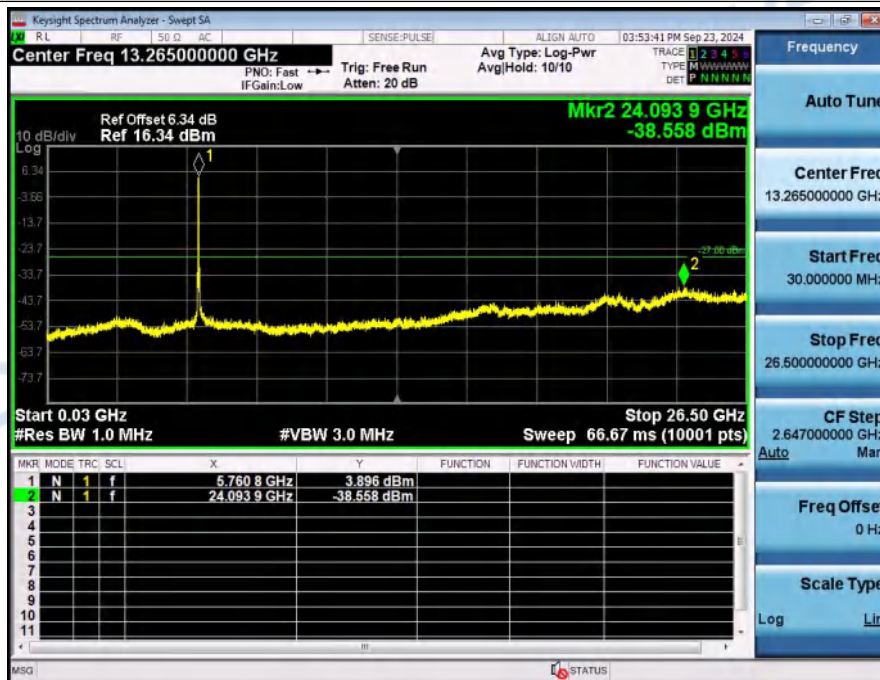
Spurious_Emission_NVNT_ANT1_802_11ac(VHT20)_5785



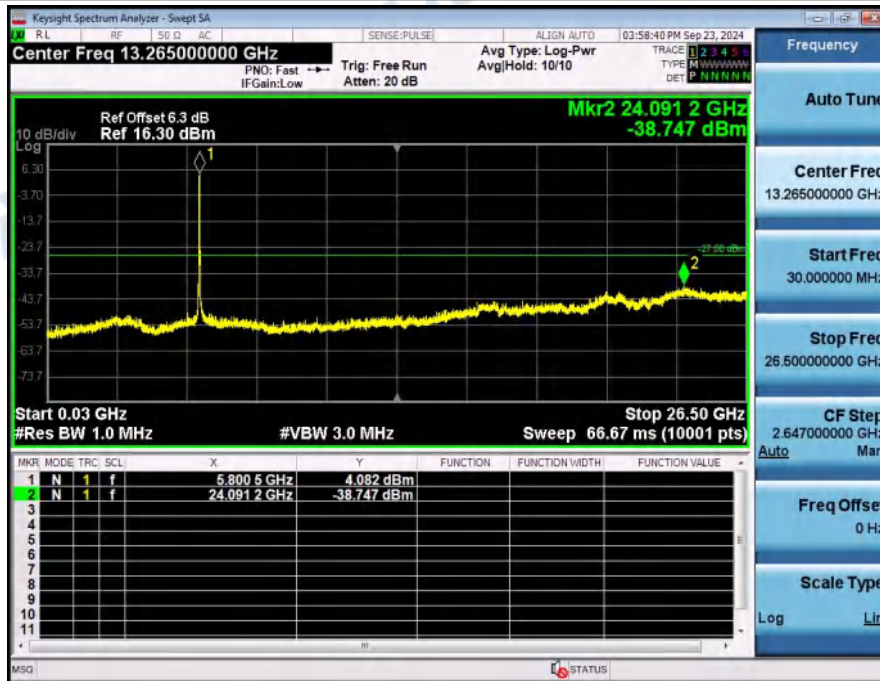
Spurious_Emission_NVNT_ANT1_802_11ac(VHT20)_5825



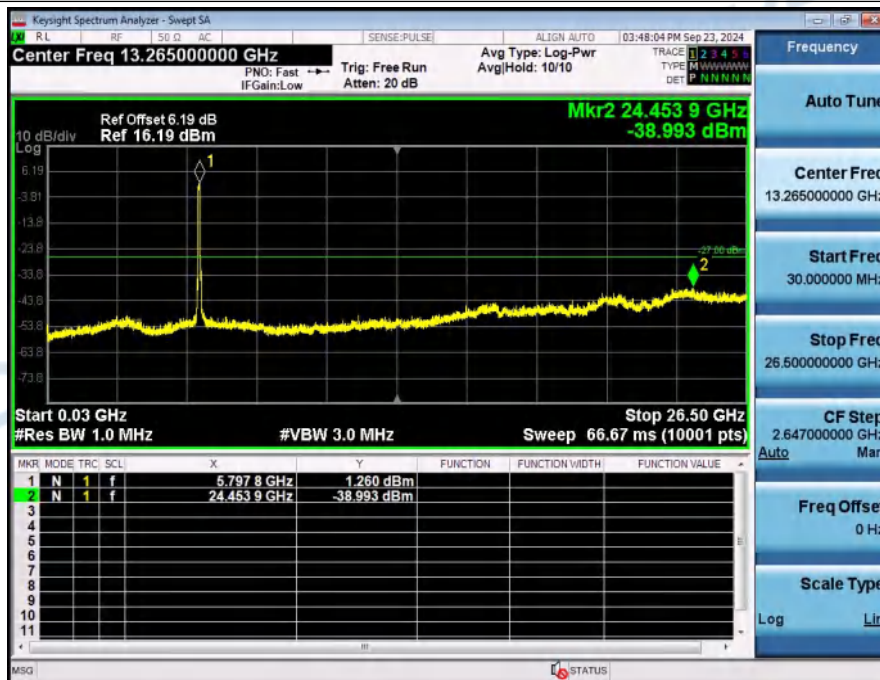
Spurious_Emission_NVNT_ANT1_802_11ac(VHT40)_5755



Spurious_Emission_NVNT_ANT1_802_11ac(VHT40)_5795



Spurious_Emission_NVNT_ANT1_802_11ac(VHT80)_5775



8. Frequency Stability

Condition	Antenna	Modulation	Frequency (MHz)	Fc(MHz)	Fl(MHz)	Fh(MHz)	Limit(MHz)	Result
55degrees C&&3.80V	ANT1	802.11a	5745.00	5745.036	5736.688	5753.384	5725~5850	Pass
45degrees C&&3.80V	ANT1	802.11a	5745.00	5745.028	5736.840	5753.216	5725~5850	Pass
35degrees C&&3.80V	ANT1	802.11a	5745.00	5745.028	5736.920	5753.136	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11a	5745.00	5745.028	5736.988	5753.068	5725~5850	Pass
15degrees C&&3.80V	ANT1	802.11a	5745.00	5745.026	5737.048	5753.004	5725~5850	Pass
5degrees C&&3.80V	ANT1	802.11a	5745.00	5745.034	5737.112	5752.956	5725~5850	Pass
-5degrees C&&3.80V	ANT1	802.11a	5745.00	5745.028	5737.160	5752.896	5725~5850	Pass
-15degrees C&&3.80V	ANT1	802.11a	5745.00	5745.014	5737.208	5752.820	5725~5850	Pass
25degrees C&&4.37V	ANT1	802.11a	5745.00	5745.028	5737.264	5752.792	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11a	5745.00	5745.038	5737.316	5752.760	5725~5850	Pass
25degrees C&&3.23V	ANT1	802.11a	5745.00	5745.034	5737.372	5752.696	5725~5850	Pass
55degrees C&&3.80V	ANT1	802.11a	5785.00	5785.028	5776.632	5793.424	5725~5850	Pass
45degrees C&&3.80V	ANT1	802.11a	5785.00	5785.024	5776.812	5793.236	5725~5850	Pass
35degrees C&&3.80V	ANT1	802.11a	5785.00	5785.026	5776.900	5793.152	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11a	5785.00	5785.022	5776.964	5793.080	5725~5850	Pass
15degrees C&&3.80V	ANT1	802.11a	5785.00	5785.030	5777.028	5793.032	5725~5850	Pass
5degrees C&&3.80V	ANT1	802.11a	5785.00	5785.024	5777.092	5792.956	5725~5850	Pass
-5degrees C&&3.80V	ANT1	802.11a	5785.00	5785.028	5777.144	5792.912	5725~5850	Pass
-15degrees C&&3.80V	ANT1	802.11a	5785.00	5785.020	5777.192	5792.848	5725~5850	Pass
25degrees C&&4.37V	ANT1	802.11a	5785.00	5785.026	5777.240	5792.812	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11a	5785.00	5785.018	5777.284	5792.752	5725~5850	Pass
25degrees C&&3.23V	ANT1	802.11a	5785.00	5785.030	5777.324	5792.736	5725~5850	Pass
55degrees C&&3.80V	ANT1	802.11a	5825.00	5825.052	5816.624	5833.480	5725~5850	Pass
45degrees C&&3.80V	ANT1	802.11a	5825.00	5825.040	5816.808	5833.272	5725~5850	Pass
35degrees C&&3.80V	ANT1	802.11a	5825.00	5825.030	5816.896	5833.164	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11a	5825.00	5825.034	5816.972	5833.096	5725~5850	Pass
15degrees C&&3.80V	ANT1	802.11a	5825.00	5825.036	5817.036	5833.036	5725~5850	Pass
5degrees C&&3.80V	ANT1	802.11a	5825.00	5825.038	5817.096	5832.980	5725~5850	Pass
-5degrees C&&3.80V	ANT1	802.11a	5825.00	5825.034	5817.148	5832.920	5725~5850	Pass
-15degrees C&&3.80V	ANT1	802.11a	5825.00	5825.042	5817.204	5832.880	5725~5850	Pass
25degrees C&&4.37V	ANT1	802.11a	5825.00	5825.026	5817.248	5832.804	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11a	5825.00	5825.022	5817.288	5832.756	5725~5850	Pass
25degrees C&&3.23V	ANT1	802.11a	5825.00	5825.030	5817.336	5832.724	5725~5850	Pass

***** End of Report *****