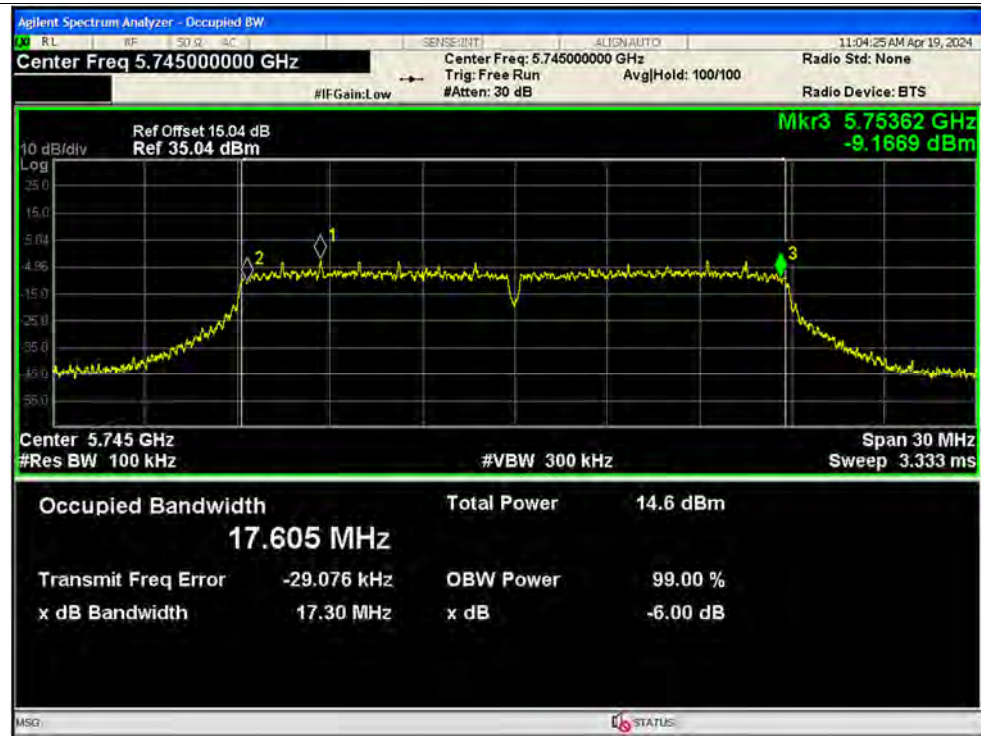
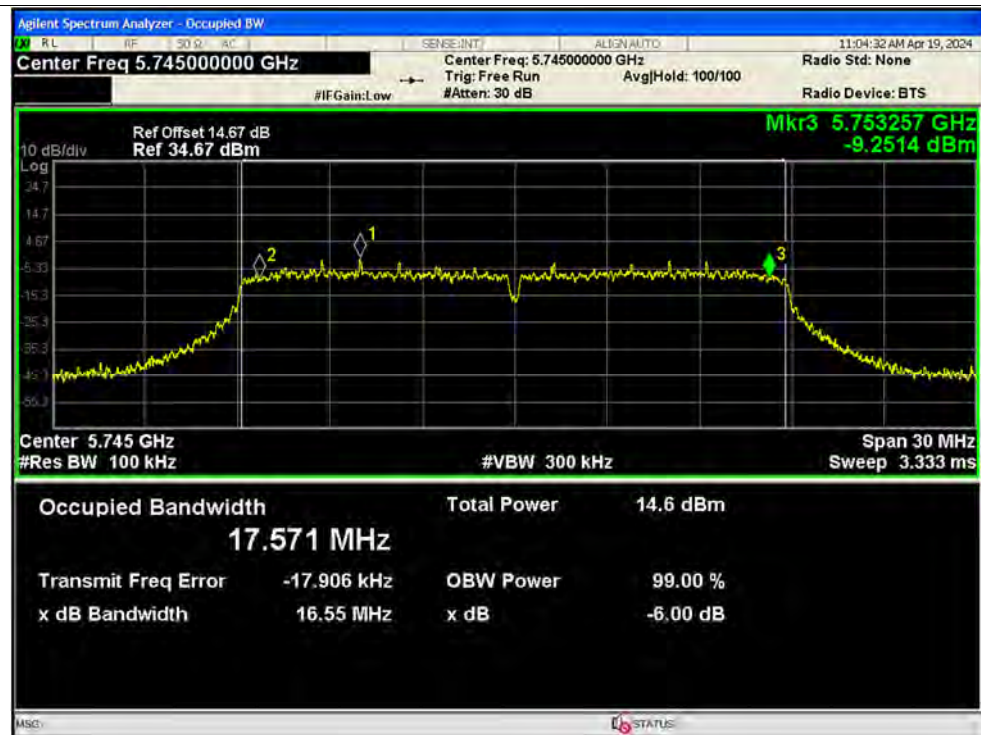




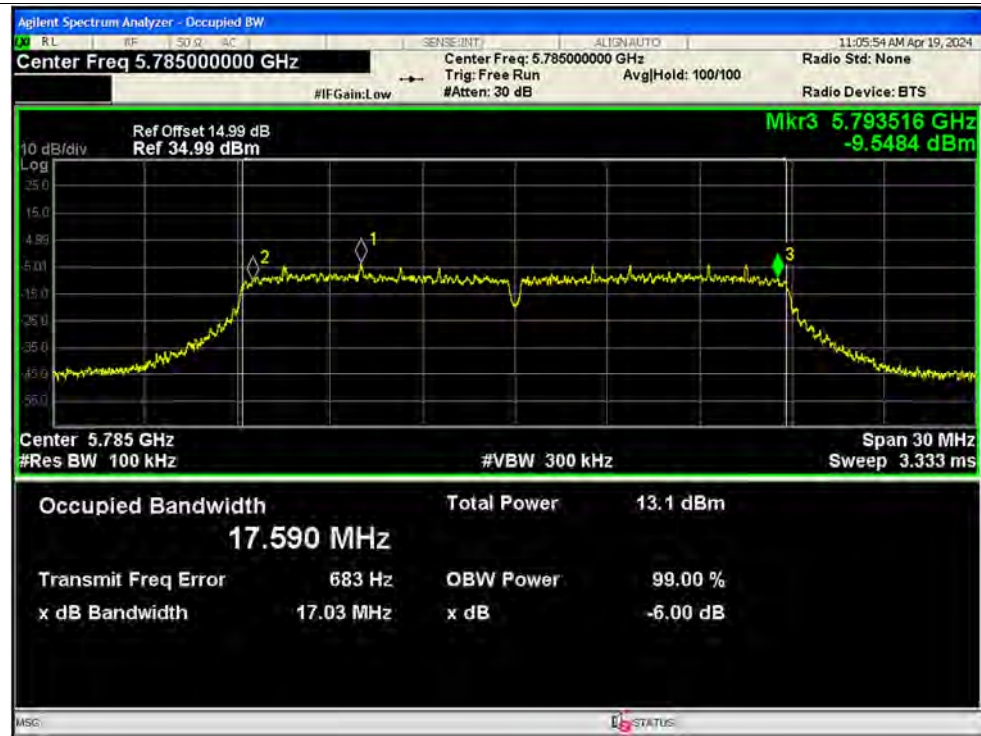
-6dB Bandwidth NVNT n20 5745MHz Ant1 MIMO



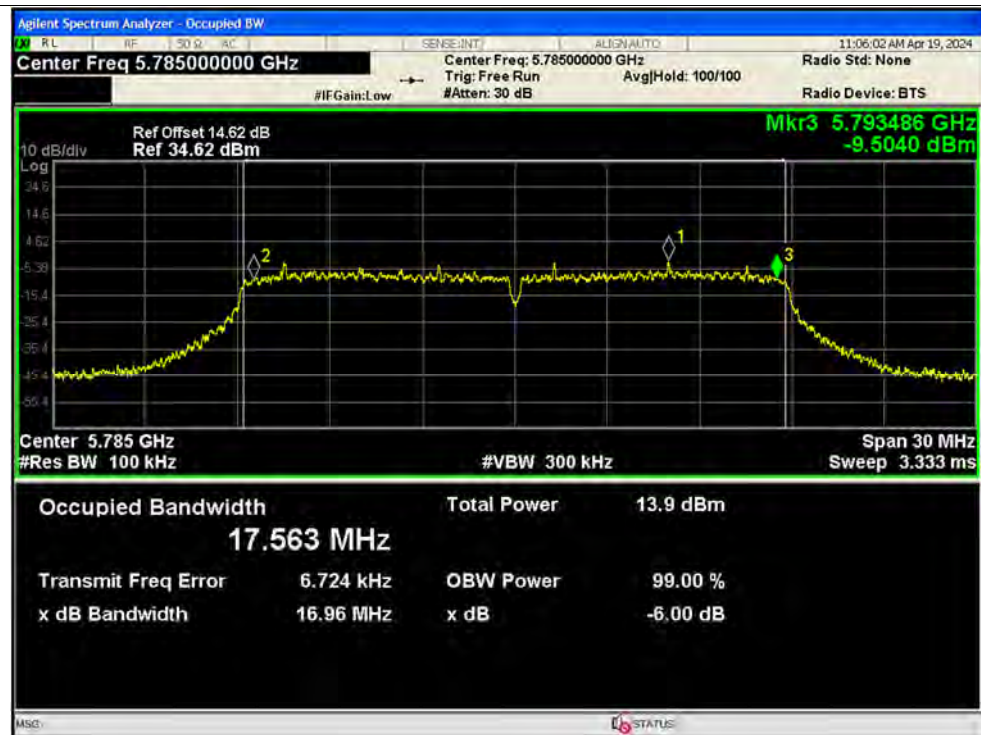
-6dB Bandwidth NVNT n20 5745MHz Ant2 MIMO



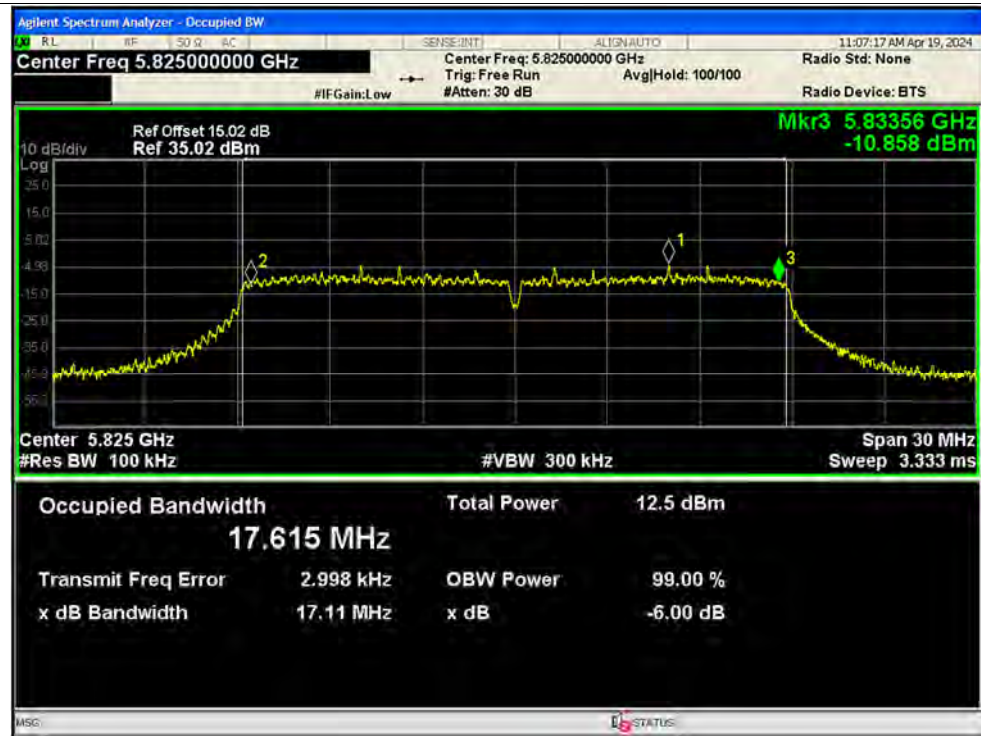
-6dB Bandwidth NVNT n20 5785MHz Ant1 MIMO



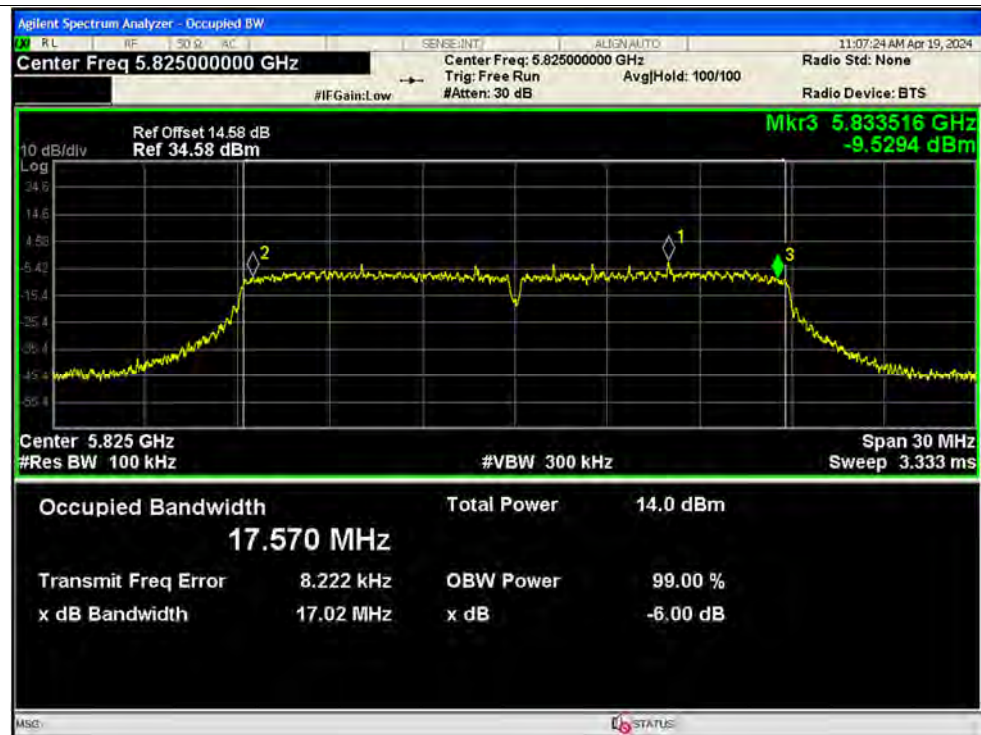
-6dB Bandwidth NVNT n20 5785MHz Ant2 MIMO



-6dB Bandwidth NVNT n20 5825MHz Ant1 MIMO

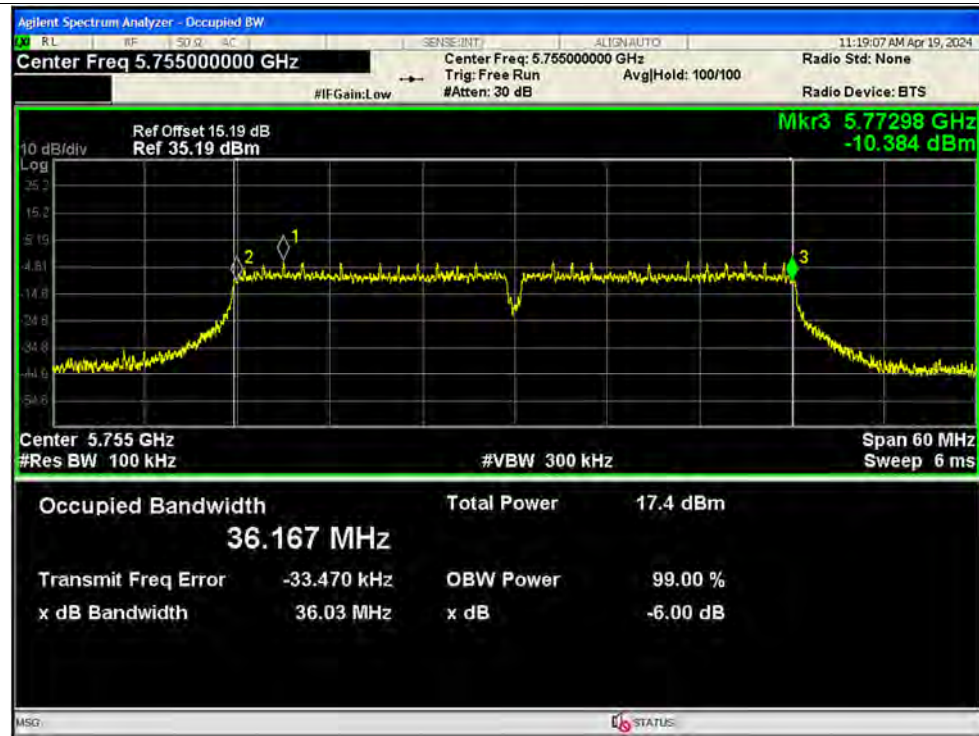


-6dB Bandwidth NVNT n20 5825MHz Ant2 MIMO

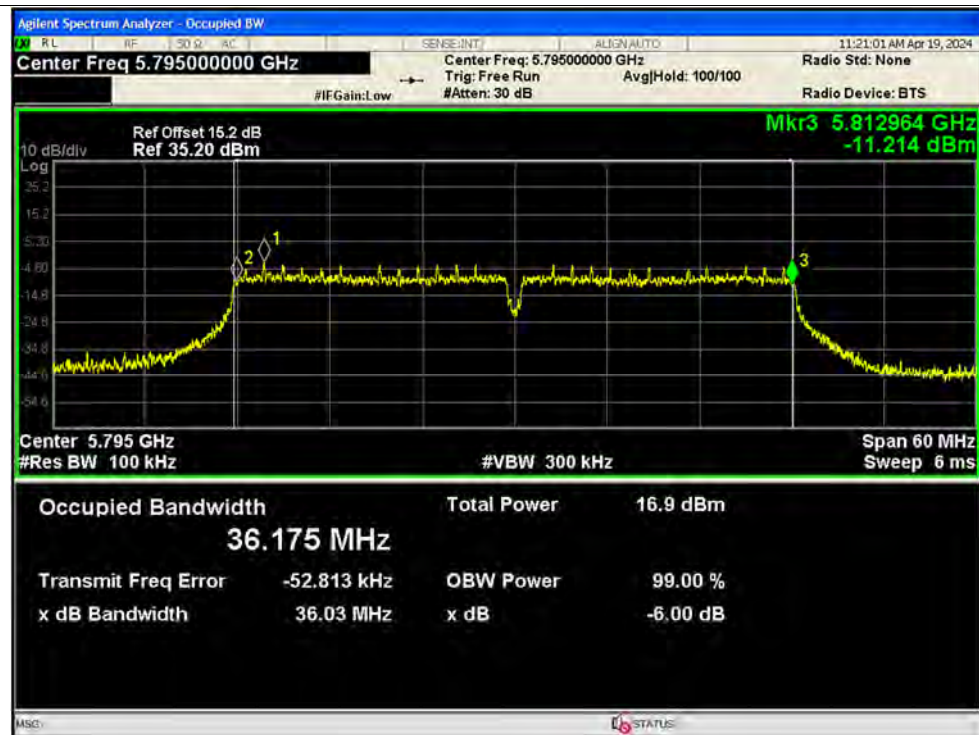




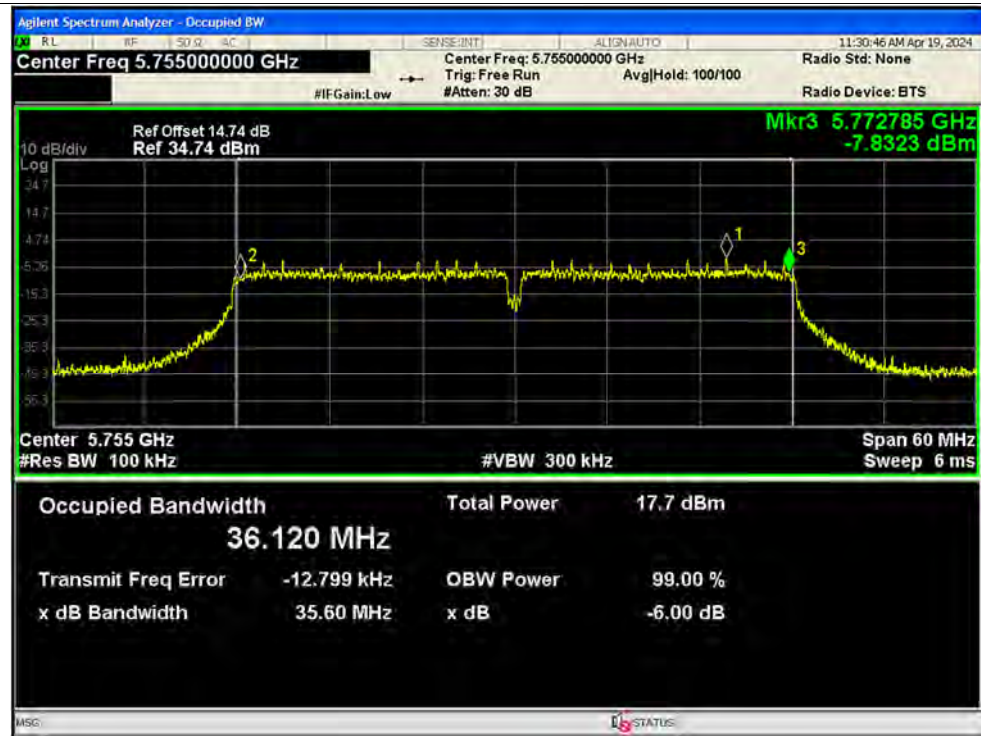
-6dB Bandwidth NVNT n40 5755MHz Ant1 SISO



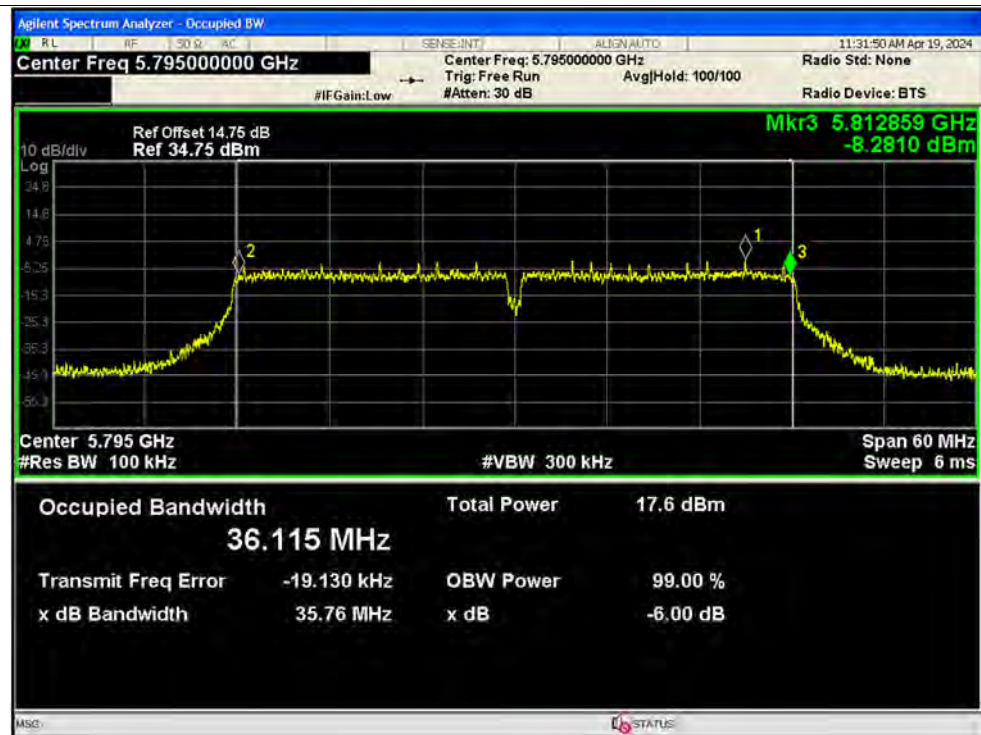
-6dB Bandwidth NVNT n40 5795MHz Ant1 SISO



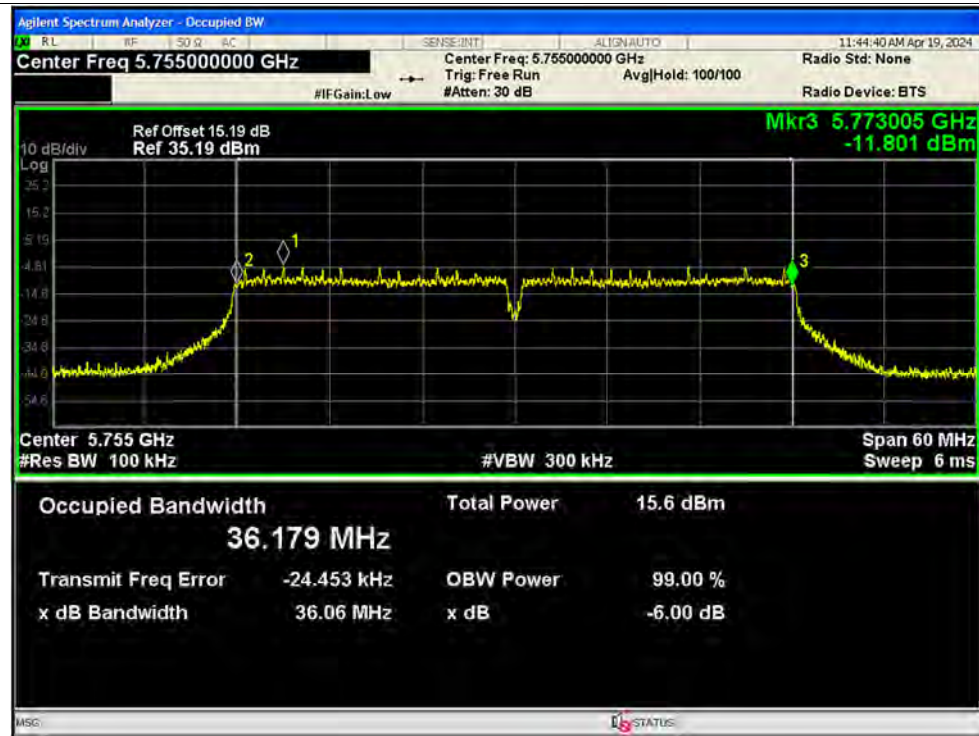
-6dB Bandwidth NVNT n40 5755MHz Ant2 SISO



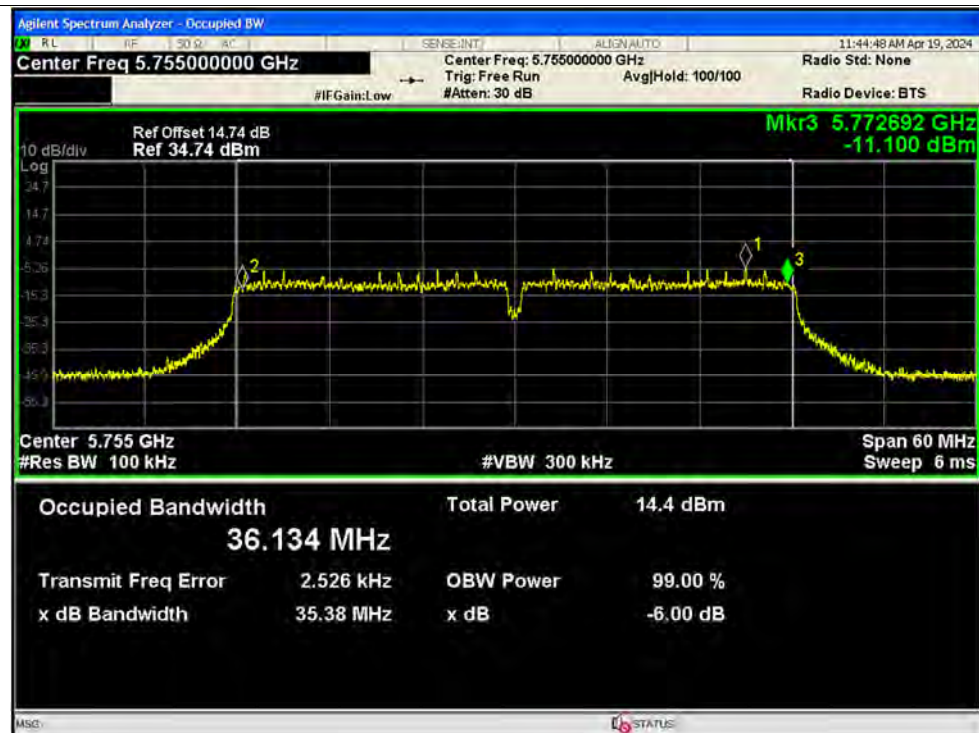
-6dB Bandwidth NVNT n40 5795MHz Ant2 SISO



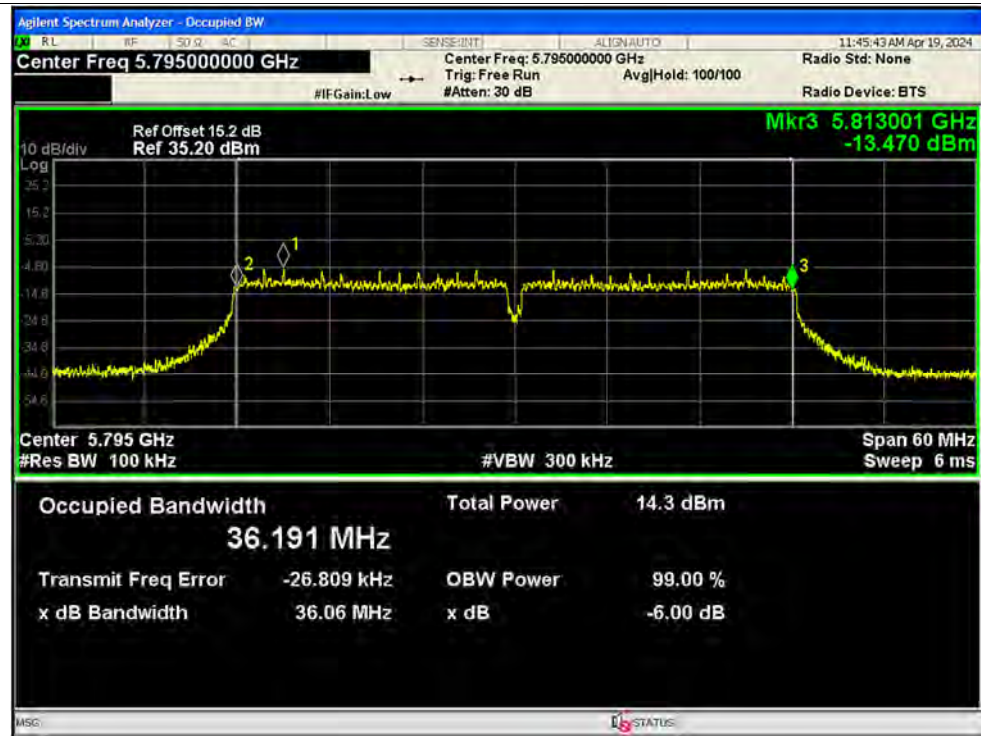
-6dB Bandwidth NVNT n40 5755MHz Ant1 MIMO



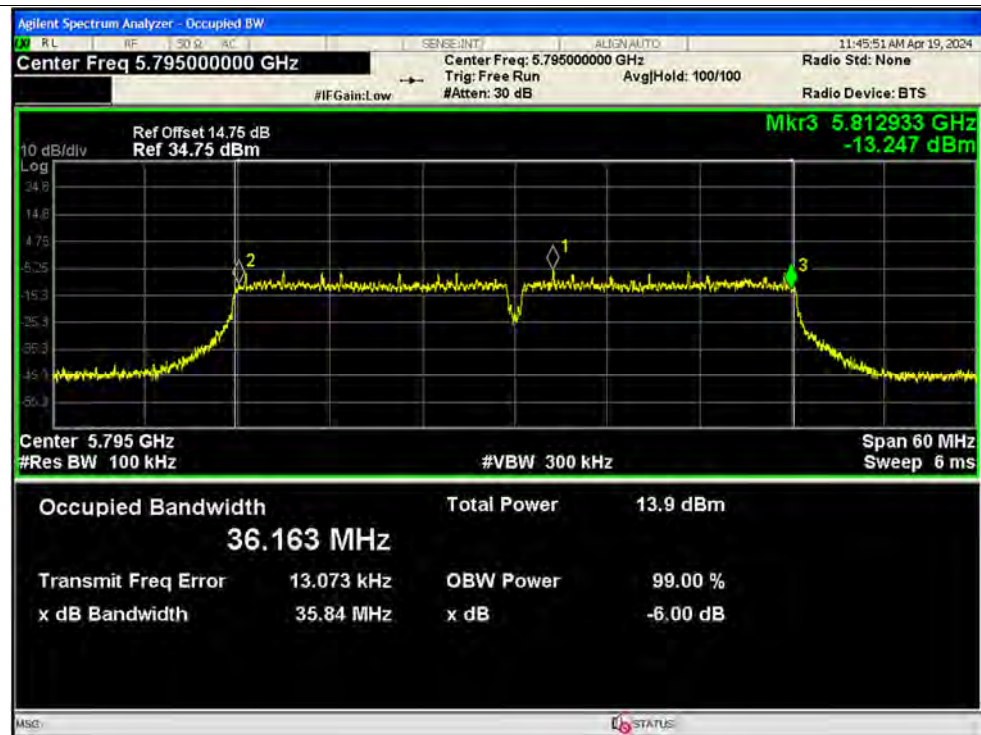
-6dB Bandwidth NVNT n40 5755MHz Ant2 MIMO



-6dB Bandwidth NVNT n40 5795MHz Ant1 MIMO

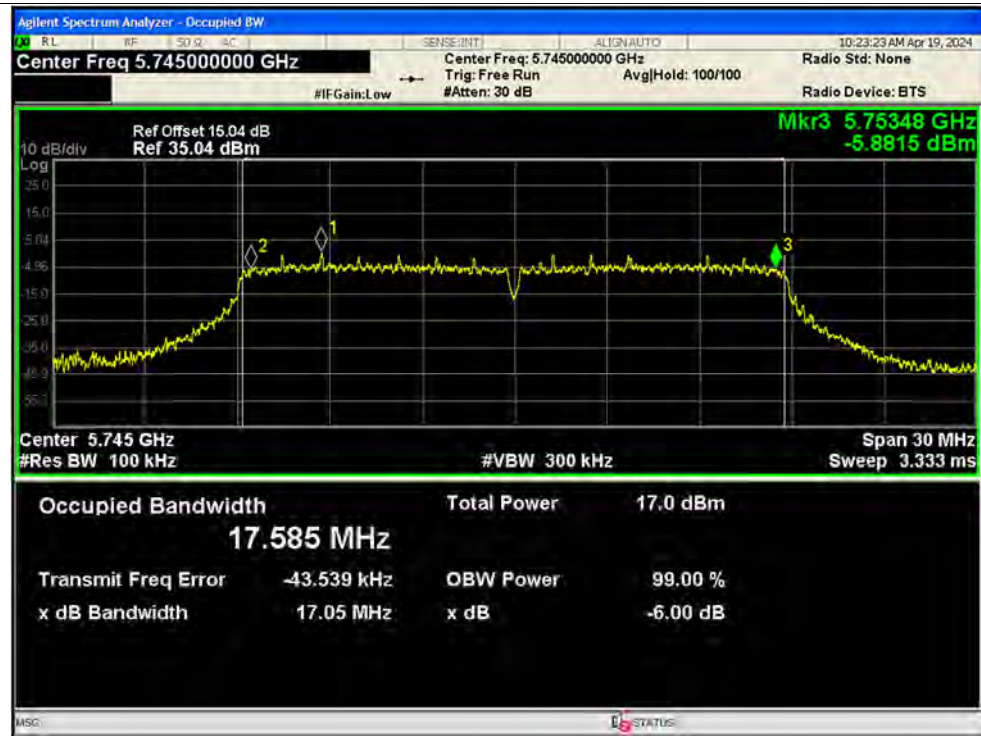


-6dB Bandwidth NVNT n40 5795MHz Ant2 MIMO





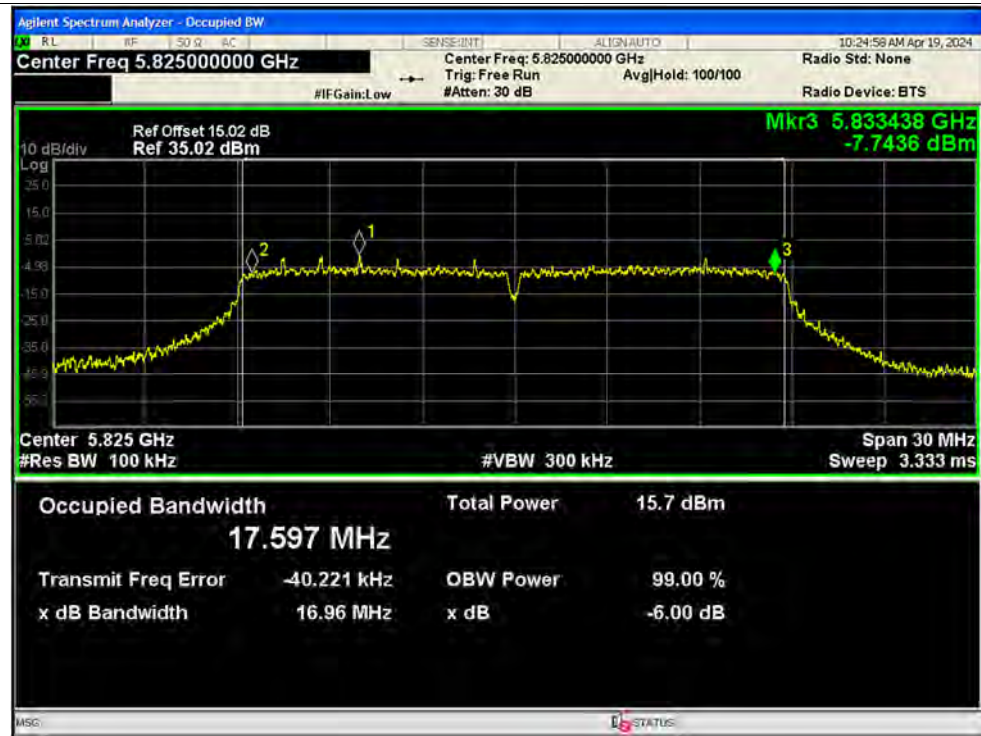
-6dB Bandwidth NVNT ac20 5745MHz Ant1 SISO



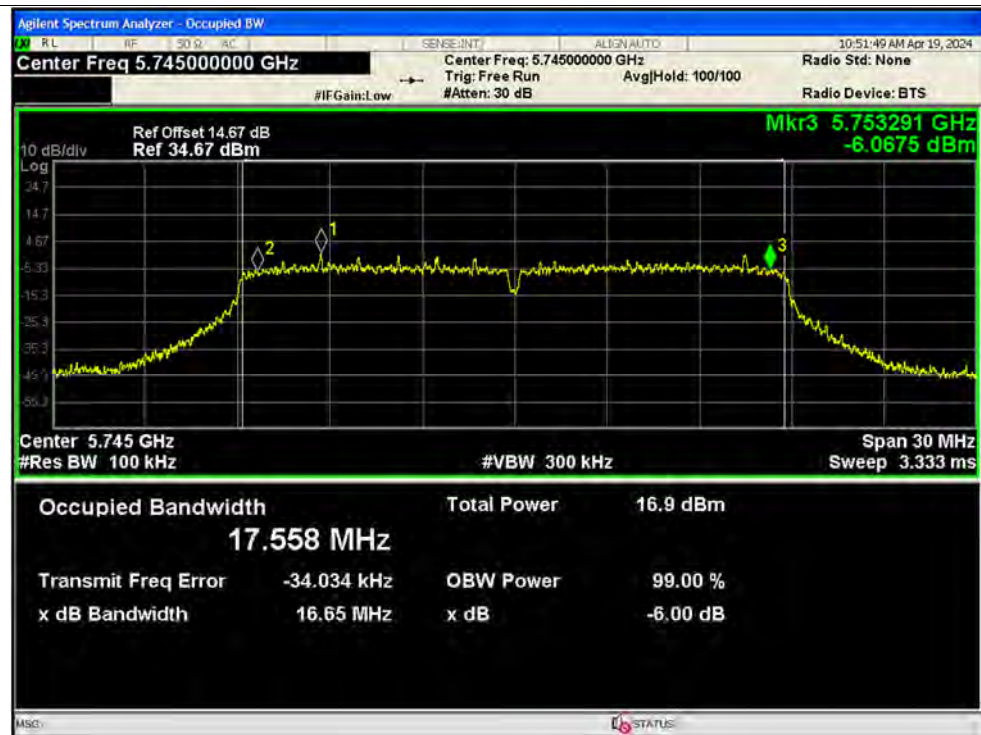
-6dB Bandwidth NVNT ac20 5785MHz Ant1 SISO



-6dB Bandwidth NVNT ac20 5825MHz Ant1 SISO

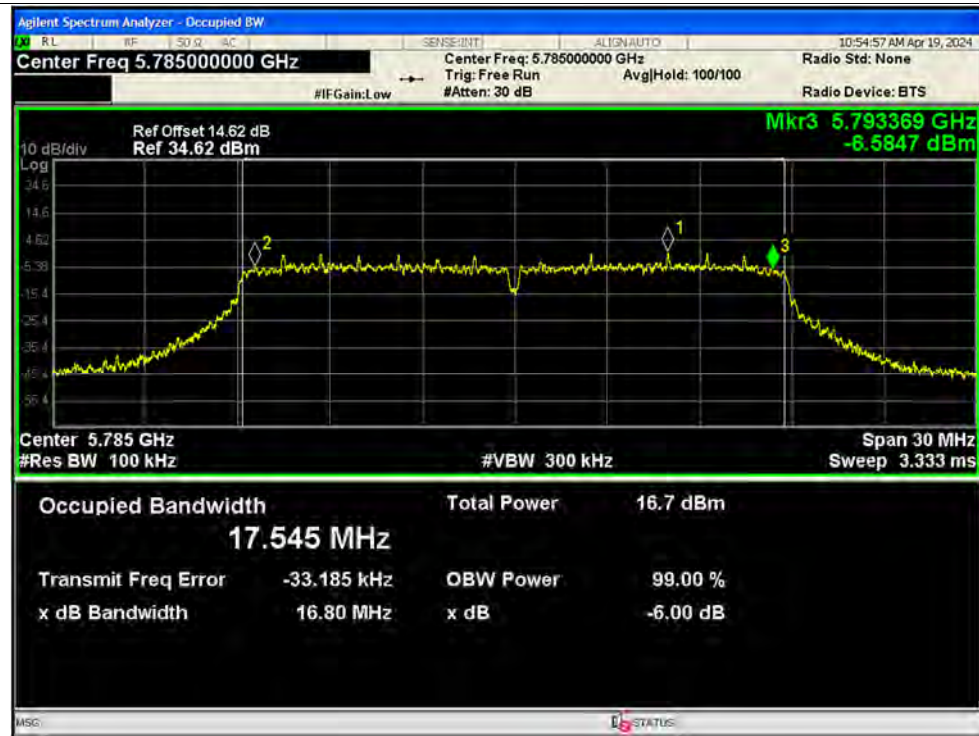


-6dB Bandwidth NVNT ac20 5745MHz Ant2 SISO

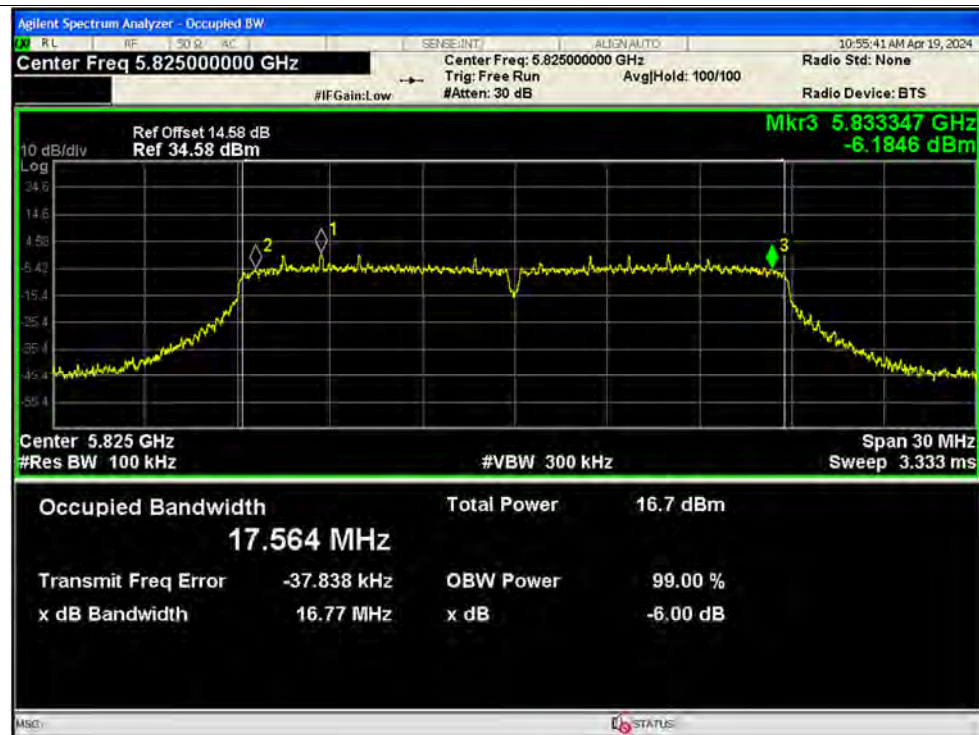




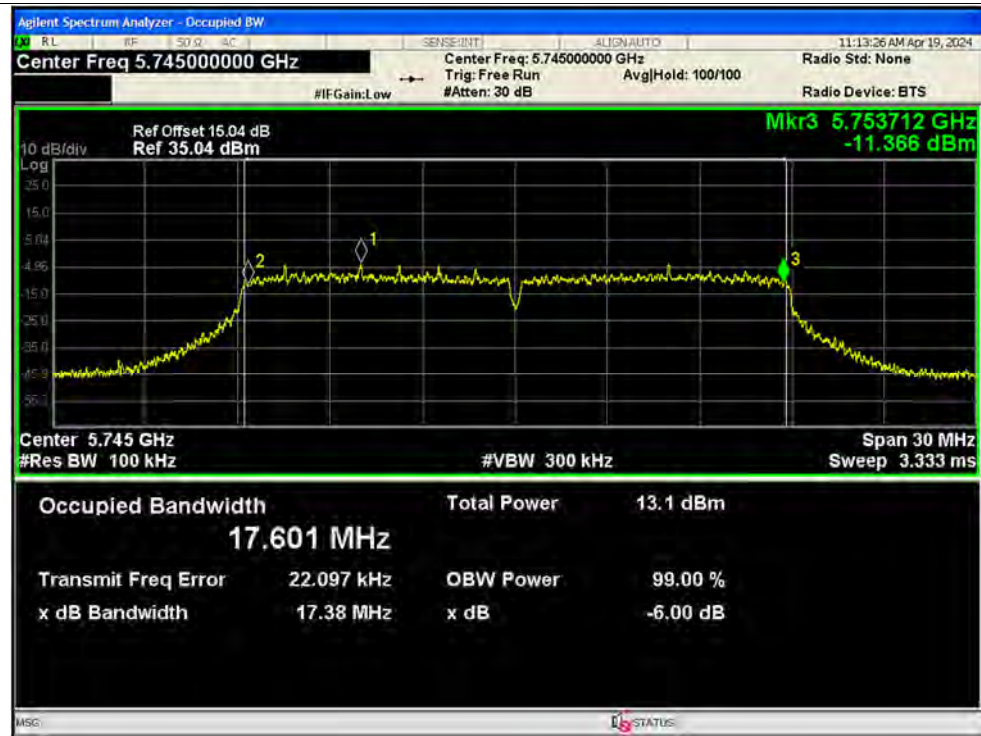
-6dB Bandwidth NVNT ac20 5785MHz Ant2 SISO



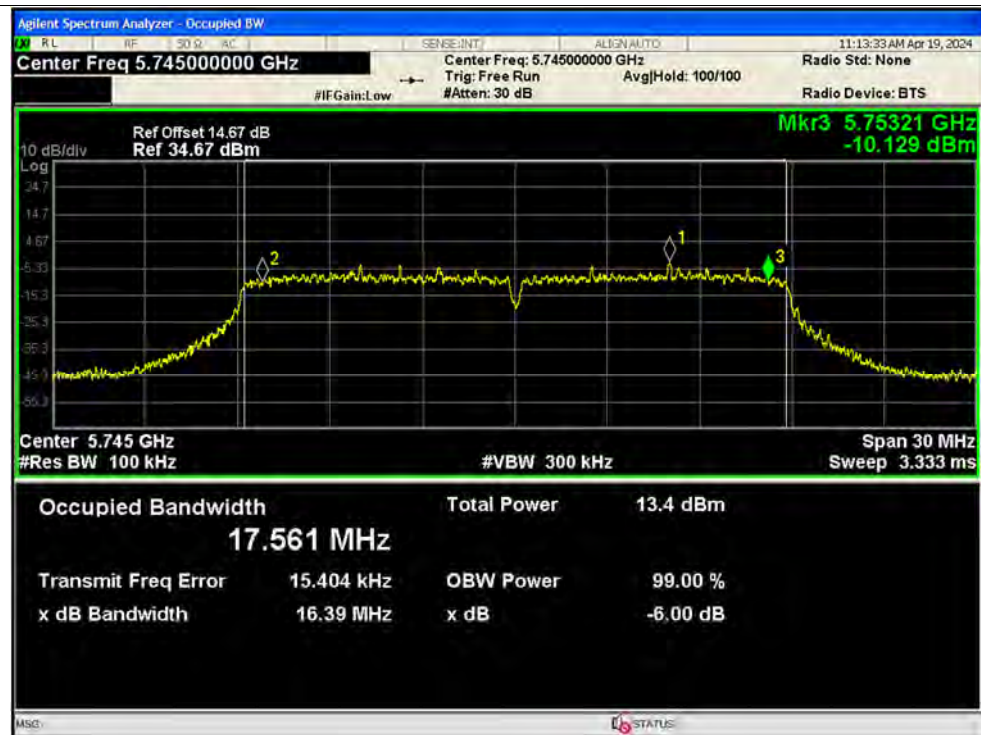
-6dB Bandwidth NVNT ac20 5825MHz Ant2 SISO



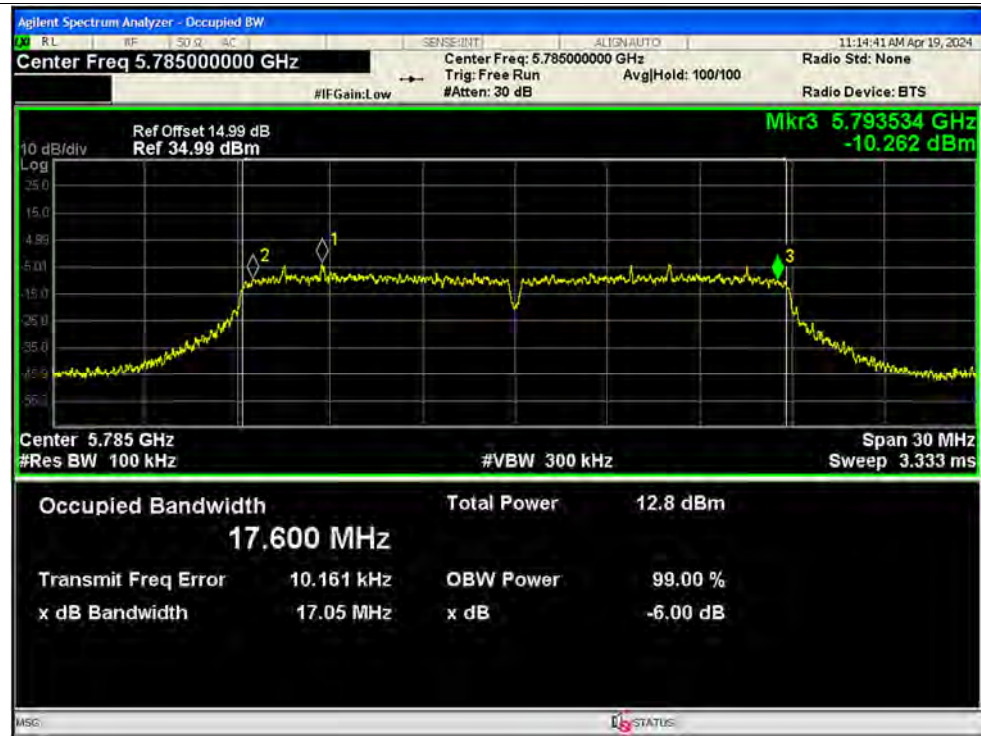
-6dB Bandwidth NVNT ac20 5745MHz Ant1 MIMO



-6dB Bandwidth NVNT ac20 5745MHz Ant2 MIMO



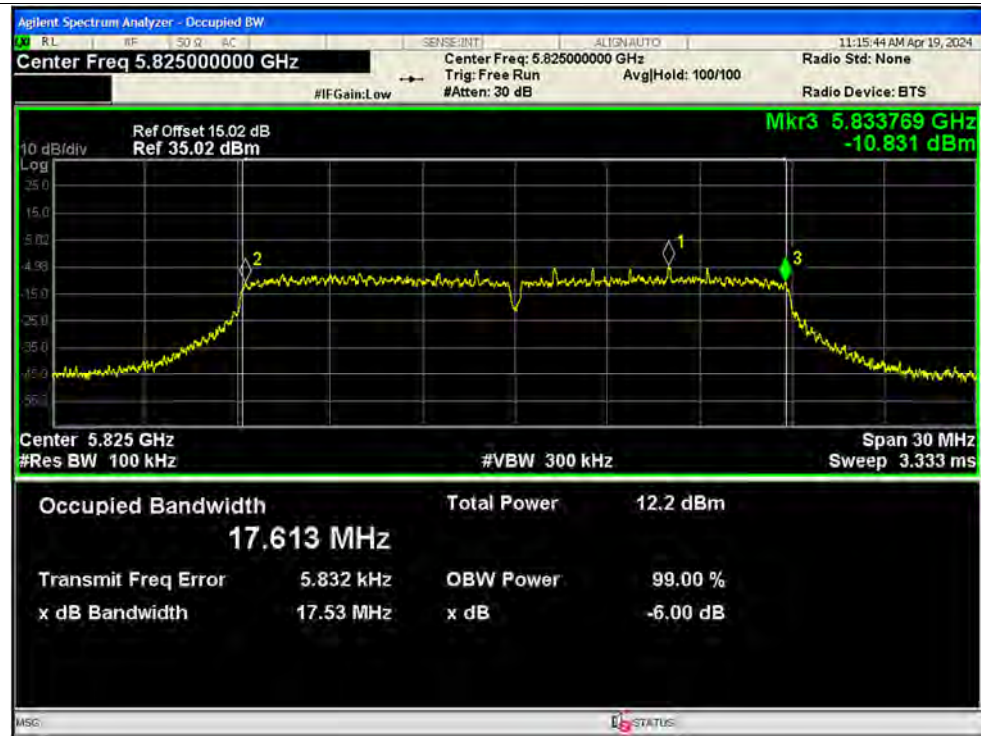
-6dB Bandwidth NVNT ac20 5785MHz Ant1 MIMO



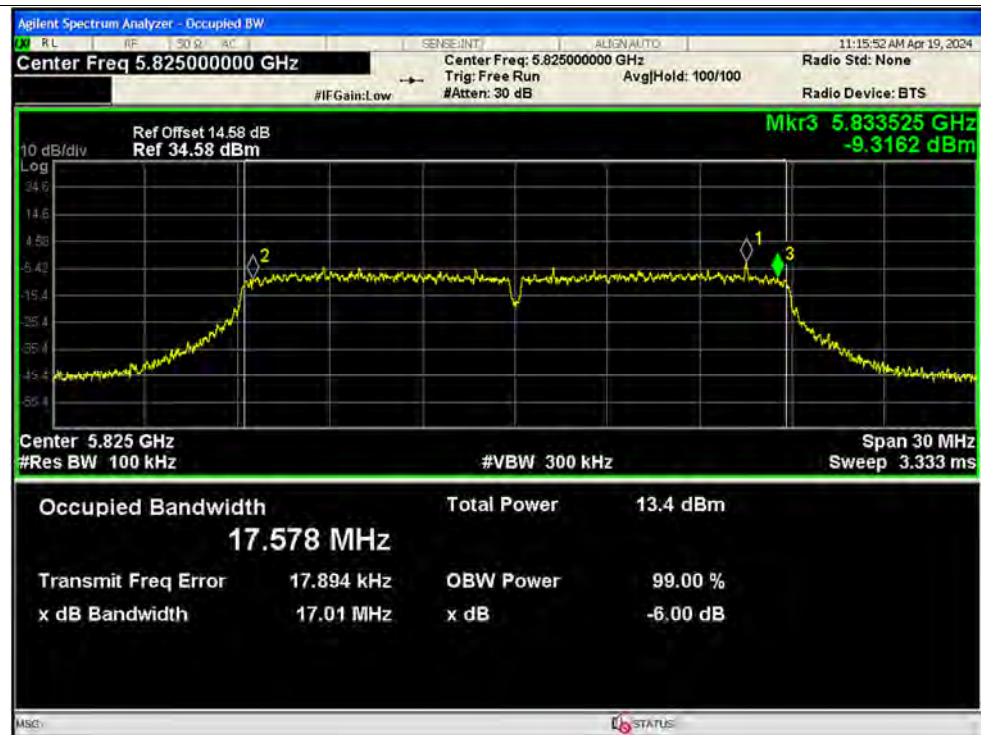
-6dB Bandwidth NVNT ac20 5785MHz Ant2 MIMO



-6dB Bandwidth NVNT ac20 5825MHz Ant1 MIMO

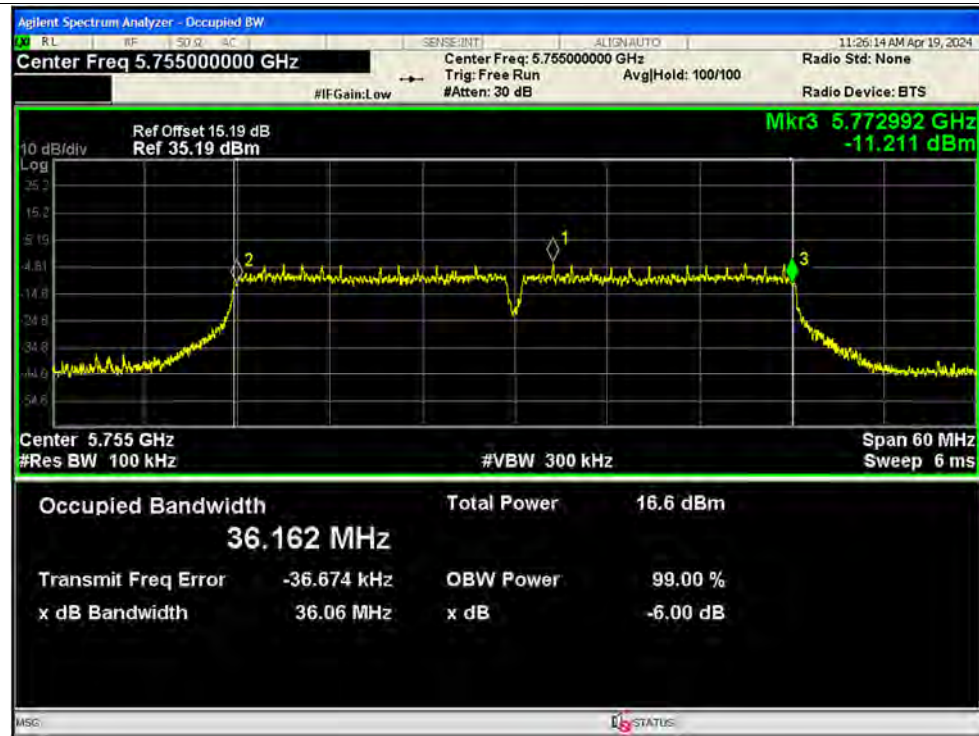


-6dB Bandwidth NVNT ac20 5825MHz Ant2 MIMO

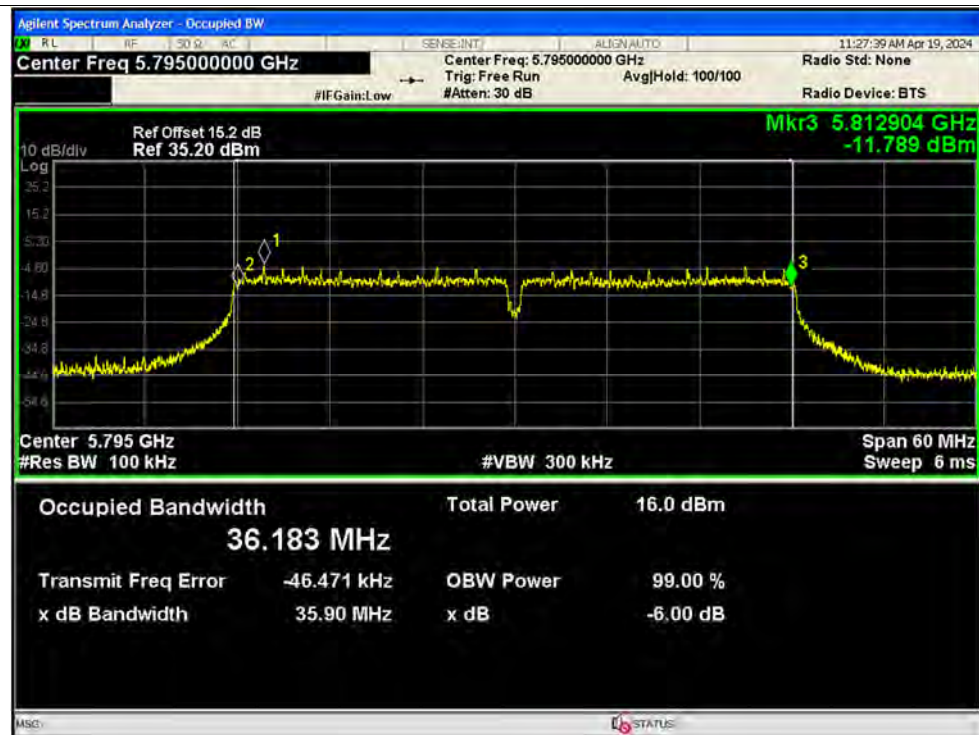




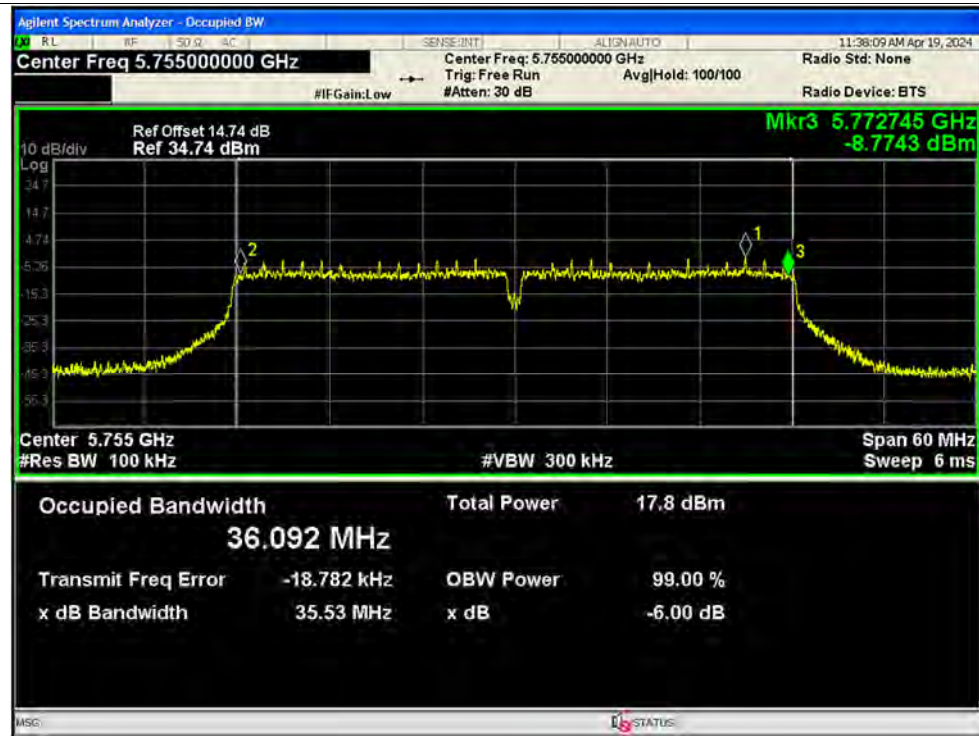
-6dB Bandwidth NVNT ac40 5755MHz Ant1 SISO



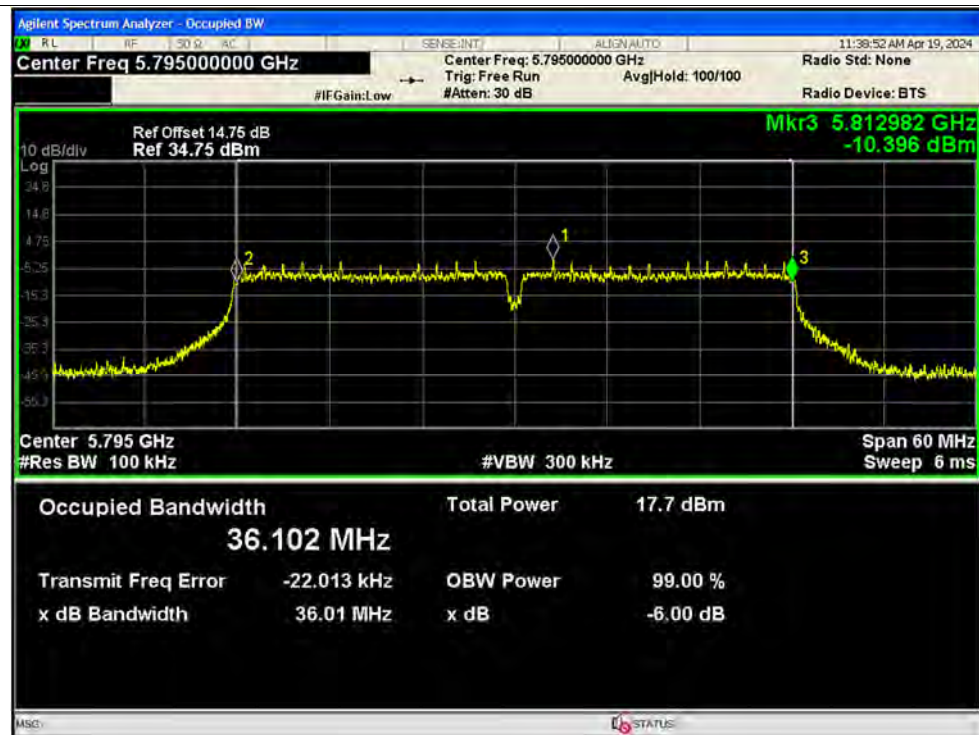
-6dB Bandwidth NVNT ac40 5795MHz Ant1 SISO



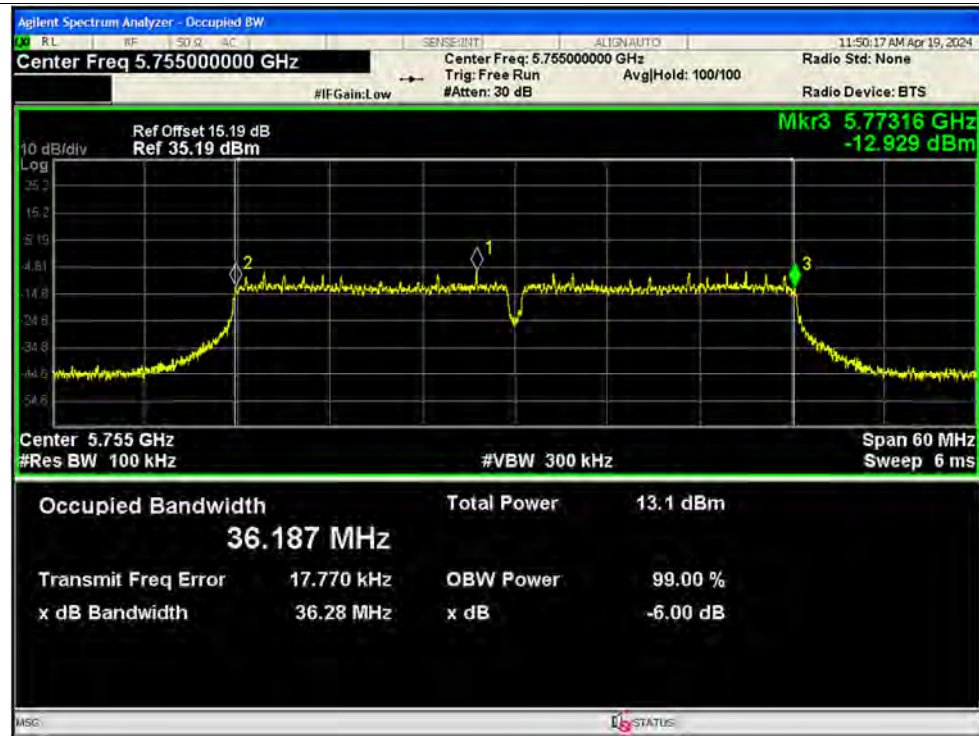
-6dB Bandwidth NVNT ac40 5755MHz Ant2 SISO



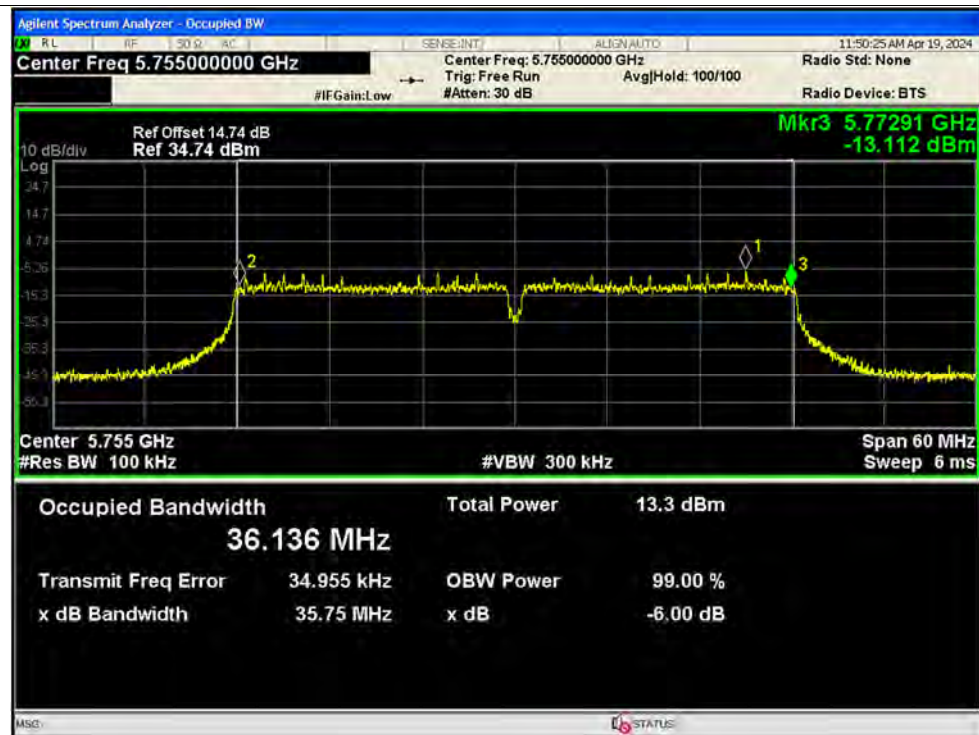
-6dB Bandwidth NVNT ac40 5795MHz Ant2 SISO



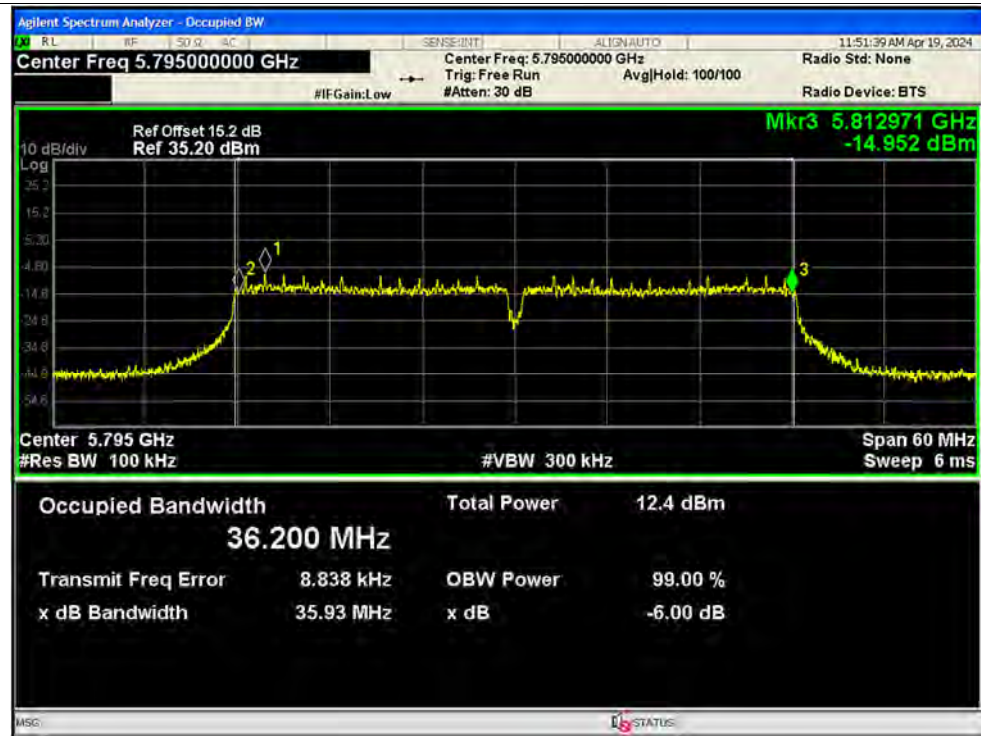
-6dB Bandwidth NVNT ac40 5755MHz Ant1 MIMO



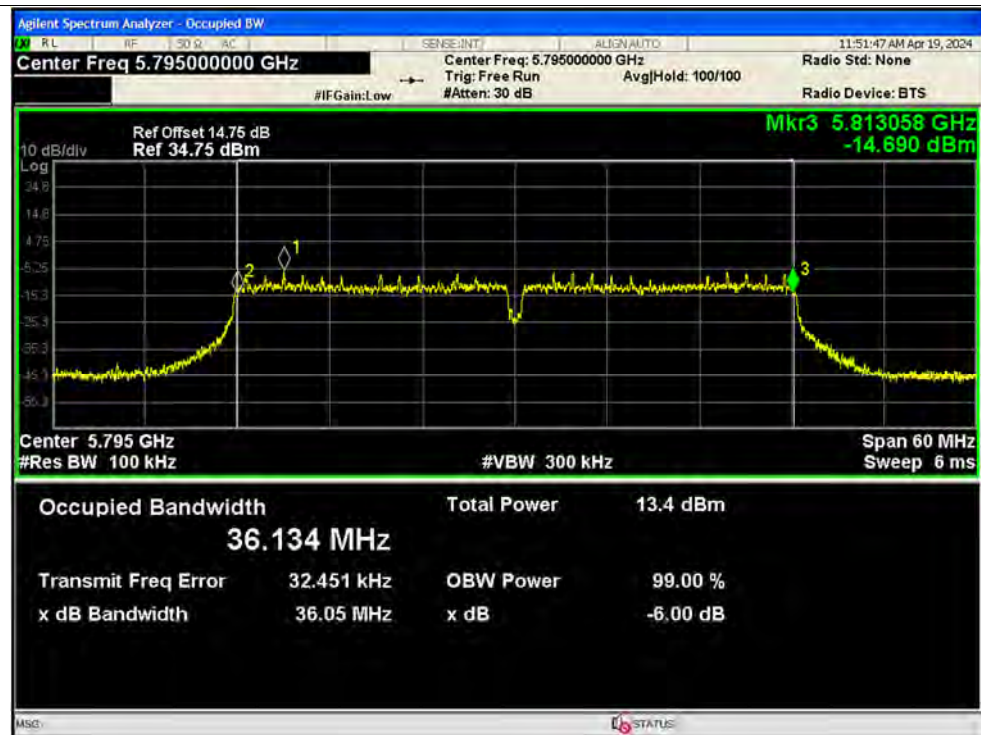
-6dB Bandwidth NVNT ac40 5755MHz Ant2 MIMO



-6dB Bandwidth NVNT ac40 5795MHz Ant1 MIMO

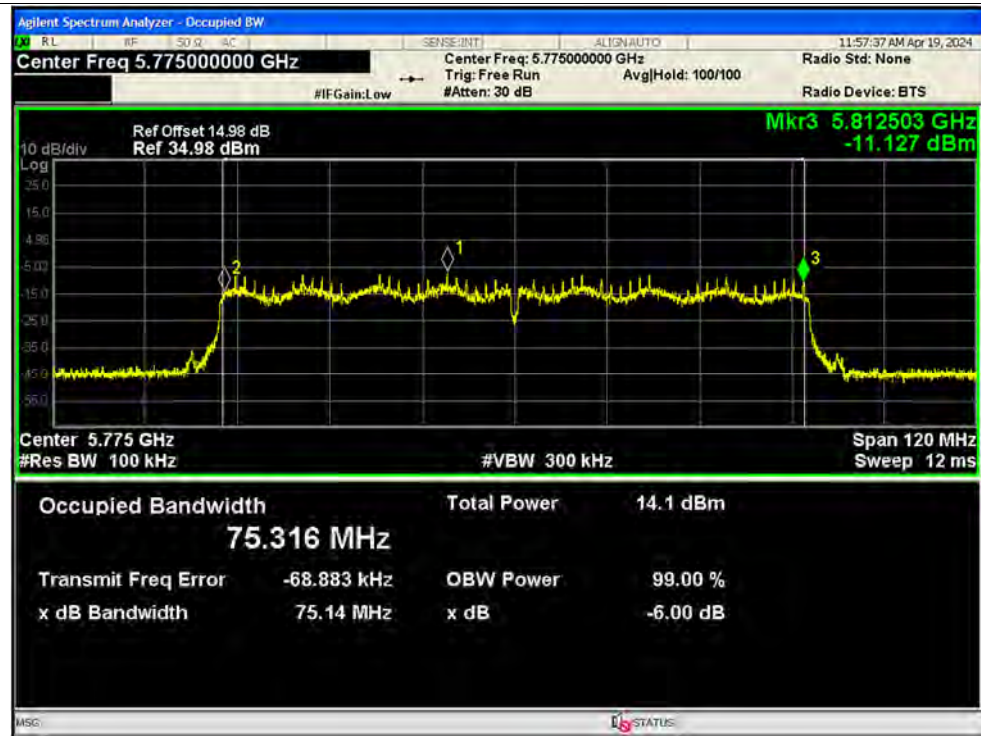


-6dB Bandwidth NVNT ac40 5795MHz Ant2 MIMO

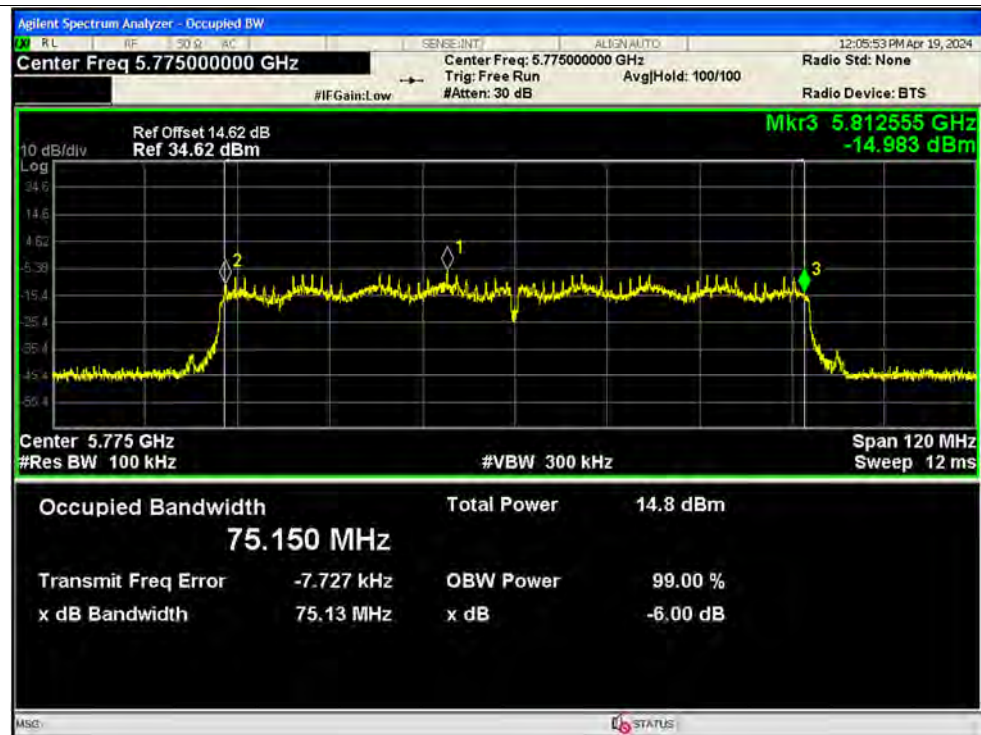




-6dB Bandwidth NVNT ac80 5775MHz Ant1 SISO

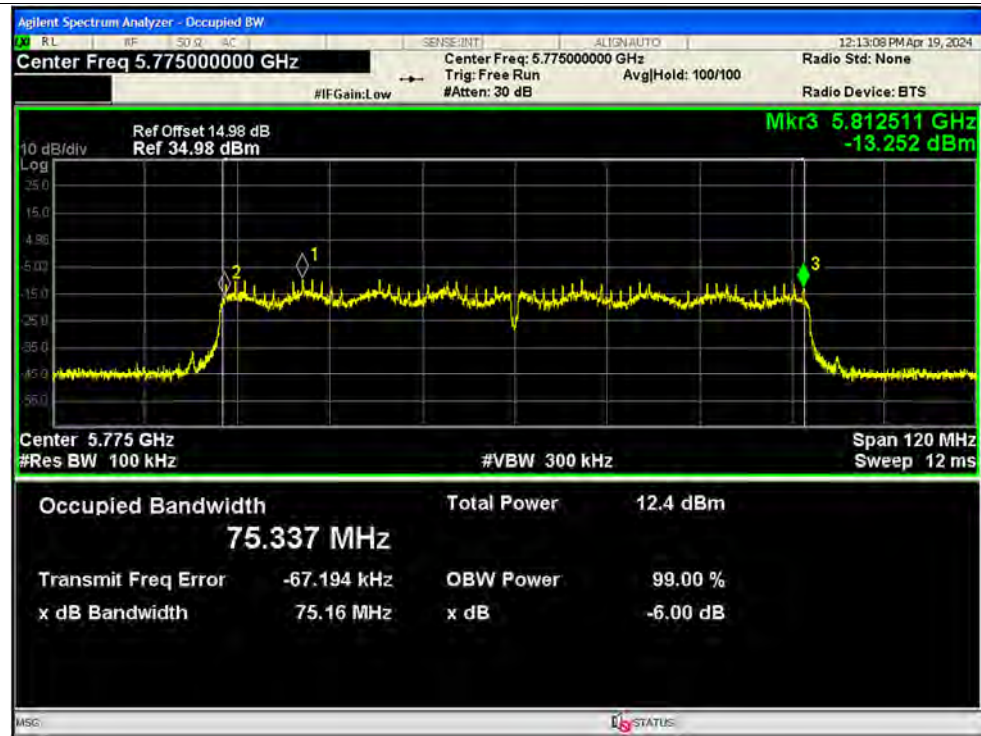


-6dB Bandwidth NVNT ac80 5775MHz Ant2 SISO

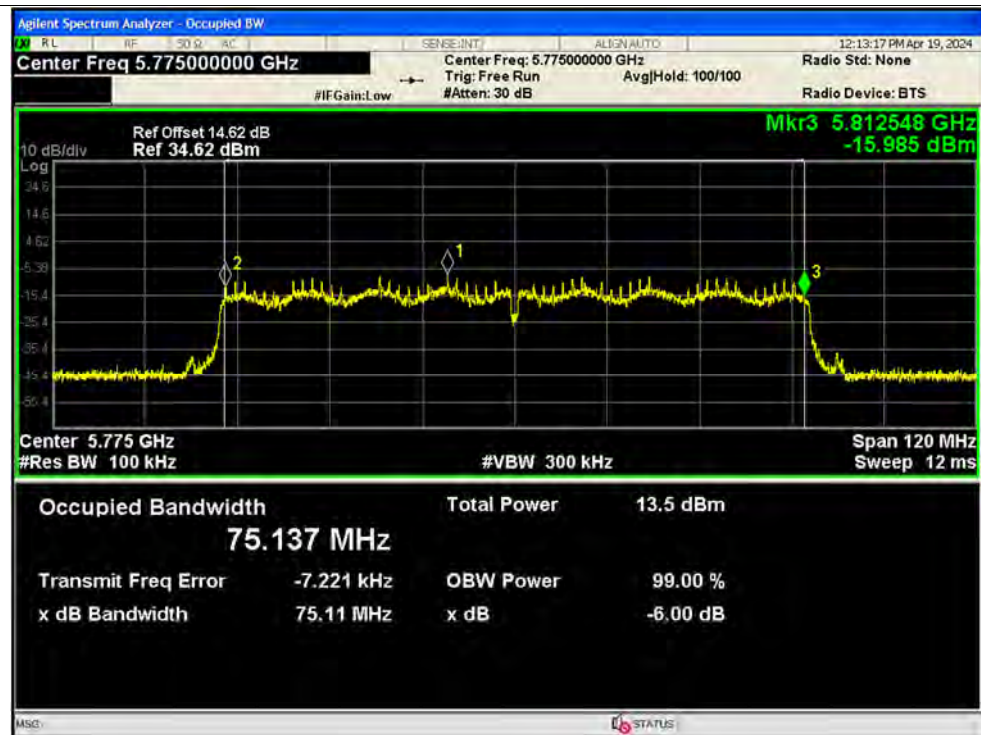




-6dB Bandwidth NVNT ac80 5775MHz Ant1 MIMO



-6dB Bandwidth NVNT ac80 5775MHz Ant2 MIMO



**A.4. Peak Power Spectral Density**

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total Conducted PSD (dBm)	Limit Conducted (dBm)	Verdict
NVNT	a SISO	5180	Ant1	2.59	0.16	2.75	11	Pass
NVNT	a SISO	5220	Ant1	2.32	0.16	2.48	11	Pass
NVNT	a SISO	5240	Ant1	1.23	0.16	1.39	11	Pass
NVNT	a SISO	5745	Ant1	-2.2	0.16	-2.04	30	Pass
NVNT	a SISO	5785	Ant1	-2.86	0.19	-2.67	30	Pass
NVNT	a SISO	5825	Ant1	-3.21	0.16	-3.05	30	Pass
NVNT	a SISO	5180	Ant2	1.61	0.19	1.8	11	Pass
NVNT	a SISO	5220	Ant2	1.85	0.16	2.01	11	Pass
NVNT	a SISO	5240	Ant2	1.83	0.19	2.02	11	Pass
NVNT	a SISO	5745	Ant2	-1.88	0.16	-1.72	30	Pass
NVNT	a SISO	5785	Ant2	-1.69	0.16	-1.53	30	Pass
NVNT	a SISO	5825	Ant2	-1.85	0.16	-1.69	30	Pass
NVNT	n20 SISO	5180	Ant1	1.17	0.2	1.37	11	Pass
NVNT	n20 SISO	5220	Ant1	1	0.17	1.17	11	Pass
NVNT	n20 SISO	5240	Ant1	0.91	0.17	1.08	11	Pass
NVNT	n20 SISO	5745	Ant1	-2.39	0.2	-2.19	30	Pass
NVNT	n20 SISO	5785	Ant1	-3.17	0.2	-2.97	30	Pass
NVNT	n20 SISO	5825	Ant1	-3.69	0.17	-3.52	30	Pass
NVNT	n20 SISO	5180	Ant2	1.01	0.17	1.18	11	Pass
NVNT	n20 SISO	5220	Ant2	1.53	0.17	1.69	11	Pass
NVNT	n20 SISO	5240	Ant2	1.32	0.2	1.52	11	Pass
NVNT	n20 SISO	5745	Ant2	-2.34	0.2	-2.14	30	Pass
NVNT	n20 SISO	5785	Ant2	-2.36	0.17	-2.19	30	Pass
NVNT	n20 SISO	5825	Ant2	-2.18	0.17	-2.01	30	Pass
NVNT	n20 MIMO	5180	Ant1	-3.35	0.17	-3.18	11	Pass
NVNT	n20 MIMO	5180	Ant2	-2.94	0.17	-2.77	11	Pass
NVNT	n20 MIMO	5180	Sum	NaN	NaN	0.04	10.05	Pass
NVNT	n20 MIMO	5220	Ant1	-3.57	0.17	-3.4	11	Pass
NVNT	n20 MIMO	5220	Ant2	-2.82	0.17	-2.65	11	Pass
NVNT	n20 MIMO	5220	Sum	NaN	NaN	0	10.05	Pass
NVNT	n20 MIMO	5240	Ant1	-3.93	0.17	-3.76	11	Pass
NVNT	n20 MIMO	5240	Ant2	-3.08	0.17	-2.91	11	Pass
NVNT	n20 MIMO	5240	Sum	NaN	NaN	-0.32	10.05	Pass
NVNT	n20 MIMO	5745	Ant1	-6.05	0.17	-5.88	30	Pass



NVNT	n20 MIMO	5745	Ant2	-5.87	0.17	-5.7	30	Pass
NVNT	n20 MIMO	5745	Sum	NaN	NaN	-2.76	29.27	Pass
NVNT	n20 MIMO	5785	Ant1	-7.3	0.2	-7.1	30	Pass
NVNT	n20 MIMO	5785	Ant2	-6.34	0.2	-6.14	30	Pass
NVNT	n20 MIMO	5785	Sum	NaN	NaN	-3.57	29.27	Pass
NVNT	n20 MIMO	5825	Ant1	-7.46	0.17	-7.29	30	Pass
NVNT	n20 MIMO	5825	Ant2	-6.25	0.17	-6.08	30	Pass
NVNT	n20 MIMO	5825	Sum	NaN	NaN	-3.67	29.27	Pass
NVNT	n40 SISO	5190	Ant1	-4.94	0.33	-4.61	11	Pass
NVNT	n40 SISO	5230	Ant1	-4.34	0.33	-4.01	11	Pass
NVNT	n40 SISO	5755	Ant1	-6.2	0.33	-5.87	30	Pass
NVNT	n40 SISO	5795	Ant1	-6.54	0.33	-6.21	30	Pass
NVNT	n40 SISO	5190	Ant2	-3.15	0.33	-2.82	11	Pass
NVNT	n40 SISO	5230	Ant2	-3.37	0.4	-2.97	11	Pass
NVNT	n40 SISO	5755	Ant2	-5.89	0.33	-5.56	30	Pass
NVNT	n40 SISO	5795	Ant2	-5.89	0.33	-5.56	30	Pass
NVNT	n40 MIMO	5190	Ant1	-5.26	0.4	-4.86	11	Pass
NVNT	n40 MIMO	5190	Ant2	-5.3	0.4	-4.9	11	Pass
NVNT	n40 MIMO	5190	Sum	NaN	NaN	-1.87	10.05	Pass
NVNT	n40 MIMO	5230	Ant1	-5.74	0.33	-5.41	11	Pass
NVNT	n40 MIMO	5230	Ant2	-5.39	0.33	-5.06	11	Pass
NVNT	n40 MIMO	5230	Sum	NaN	NaN	-2.22	10.05	Pass
NVNT	n40 MIMO	5755	Ant1	-8.41	0.4	-8.01	30	Pass
NVNT	n40 MIMO	5755	Ant2	-9.8	0.4	-9.4	30	Pass
NVNT	n40 MIMO	5755	Sum	NaN	NaN	-5.69	29.27	Pass
NVNT	n40 MIMO	5795	Ant1	-9.07	0.33	-8.74	30	Pass
NVNT	n40 MIMO	5795	Ant2	-9.71	0.33	-9.38	30	Pass
NVNT	n40 MIMO	5795	Sum	NaN	NaN	-6.02	29.27	Pass
NVNT	ac20 SISO	5180	Ant1	-0.5	0.17	-0.33	11	Pass
NVNT	ac20 SISO	5220	Ant1	-0.27	0.17	-0.1	11	Pass
NVNT	ac20 SISO	5240	Ant1	-0.46	0.17	-0.29	11	Pass
NVNT	ac20 SISO	5745	Ant1	-2.62	0.17	-2.45	30	Pass
NVNT	ac20 SISO	5785	Ant1	-2.94	0.17	-2.77	30	Pass
NVNT	ac20 SISO	5825	Ant1	-4.1	0.17	-3.93	30	Pass
NVNT	ac20 SISO	5180	Ant2	1.29	0.2	1.49	11	Pass
NVNT	ac20 SISO	5220	Ant2	1.88	0.17	2.05	11	Pass
NVNT	ac20 SISO	5240	Ant2	1.54	0.2	1.74	11	Pass
NVNT	ac20 SISO	5745	Ant2	-2.45	0.17	-2.28	30	Pass



NVNT	ac20 SISO	5785	Ant2	-2.42	0.17	-2.25	30	Pass
NVNT	ac20 SISO	5825	Ant2	-2.86	0.2	-2.66	30	Pass
NVNT	ac20 MIMO	5180	Ant1	-3.44	0.17	-3.27	11	Pass
NVNT	ac20 MIMO	5180	Ant2	-3.17	0.17	-3	11	Pass
NVNT	ac20 MIMO	5180	Sum	NaN	NaN	-0.13	10.05	Pass
NVNT	ac20 MIMO	5220	Ant1	-3.84	0.17	-3.67	11	Pass
NVNT	ac20 MIMO	5220	Ant2	-3.42	0.17	-3.25	11	Pass
NVNT	ac20 MIMO	5220	Sum	NaN	NaN	-0.46	10.05	Pass
NVNT	ac20 MIMO	5240	Ant1	-4.08	0.17	-3.91	11	Pass
NVNT	ac20 MIMO	5240	Ant2	-3.63	0.17	-3.46	11	Pass
NVNT	ac20 MIMO	5240	Sum	NaN	NaN	-0.66	10.05	Pass
NVNT	ac20 MIMO	5745	Ant1	-7.11	0.2	-6.91	30	Pass
NVNT	ac20 MIMO	5745	Ant2	-6.54	0.2	-6.34	30	Pass
NVNT	ac20 MIMO	5745	Sum	NaN	NaN	-3.57	29.27	Pass
NVNT	ac20 MIMO	5785	Ant1	-7.5	0.17	-7.33	30	Pass
NVNT	ac20 MIMO	5785	Ant2	-6.7	0.17	-6.53	30	Pass
NVNT	ac20 MIMO	5785	Sum	NaN	NaN	-3.87	29.27	Pass
NVNT	ac20 MIMO	5825	Ant1	-8.14	0.2	-7.94	30	Pass
NVNT	ac20 MIMO	5825	Ant2	-6.82	0.2	-6.62	30	Pass
NVNT	ac20 MIMO	5825	Sum	NaN	NaN	-4.2	29.27	Pass
NVNT	ac40 SISO	5190	Ant1	-3.33	0.4	-2.93	11	Pass
NVNT	ac40 SISO	5230	Ant1	-2.95	0.4	-2.55	11	Pass
NVNT	ac40 SISO	5755	Ant1	-6.86	0.33	-6.53	30	Pass
NVNT	ac40 SISO	5795	Ant1	-7.07	0.33	-6.74	30	Pass
NVNT	ac40 SISO	5190	Ant2	-3.27	0.4	-2.87	11	Pass
NVNT	ac40 SISO	5230	Ant2	-3.2	0.4	-2.8	11	Pass
NVNT	ac40 SISO	5755	Ant2	-5.99	0.33	-5.66	30	Pass
NVNT	ac40 SISO	5795	Ant2	-5.7	0.33	-5.37	30	Pass
NVNT	ac40 MIMO	5190	Ant1	-6.05	0.33	-5.72	11	Pass
NVNT	ac40 MIMO	5190	Ant2	-6.03	0.33	-5.7	11	Pass
NVNT	ac40 MIMO	5190	Sum	NaN	NaN	-2.68	10.05	Pass
NVNT	ac40 MIMO	5230	Ant1	-6.31	0.33	-5.98	11	Pass
NVNT	ac40 MIMO	5230	Ant2	-5.99	0.33	-5.66	11	Pass
NVNT	ac40 MIMO	5230	Sum	NaN	NaN	-2.84	10.05	Pass
NVNT	ac40 MIMO	5755	Ant1	-10.52	0.33	-10.19	30	Pass
NVNT	ac40 MIMO	5755	Ant2	-10.33	0.33	-10	30	Pass
NVNT	ac40 MIMO	5755	Sum	NaN	NaN	-6.99	29.27	Pass
NVNT	ac40 MIMO	5795	Ant1	-10.85	0.4	-10.45	30	Pass



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NVNT	ac40 MIMO	5795	Ant2	-10.26	0.4	-9.86	30	Pass
NVNT	ac40 MIMO	5795	Sum	NaN	NaN	-7.21	29.27	Pass
NVNT	ac80 SISO	5210	Ant1	-7.66	0.77	-6.89	11	Pass
NVNT	ac80 SISO	5775	Ant1	-11.29	0.63	-10.66	30	Pass
NVNT	ac80 SISO	5210	Ant2	-7.77	0.65	-7.11	11	Pass
NVNT	ac80 SISO	5775	Ant2	-10.42	0.63	-9.79	30	Pass
NVNT	ac80 MIMO	5210	Ant1	-10.18	0.63	-9.55	11	Pass
NVNT	ac80 MIMO	5210	Ant2	-9.66	0.63	-9.03	11	Pass
NVNT	ac80 MIMO	5210	Sum	NaN	NaN	-6.2	10.05	Pass
NVNT	ac80 MIMO	5775	Ant1	-13.73	0.63	-13.1	30	Pass
NVNT	ac80 MIMO	5775	Ant2	-12.5	0.63	-11.86	30	Pass
NVNT	ac80 MIMO	5775	Sum	NaN	NaN	-9.59	29.27	Pass

Test Graphs

PSD NVNT a 5180MHz Ant1 SISO

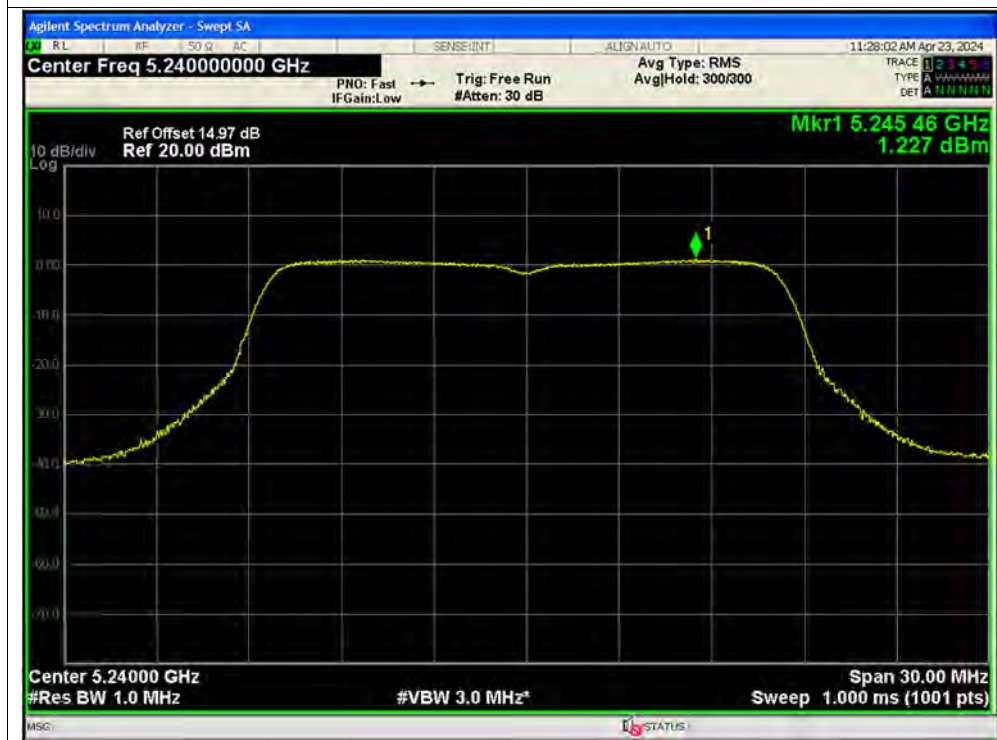


PSD NVNT a 5220MHz Ant1 SISO





PSD NVNT a 5240MHz Ant1 SISO



PSD NVNT a 5745MHz Ant1 SISO



PSD NVNT a 5785MHz Ant1 SISO

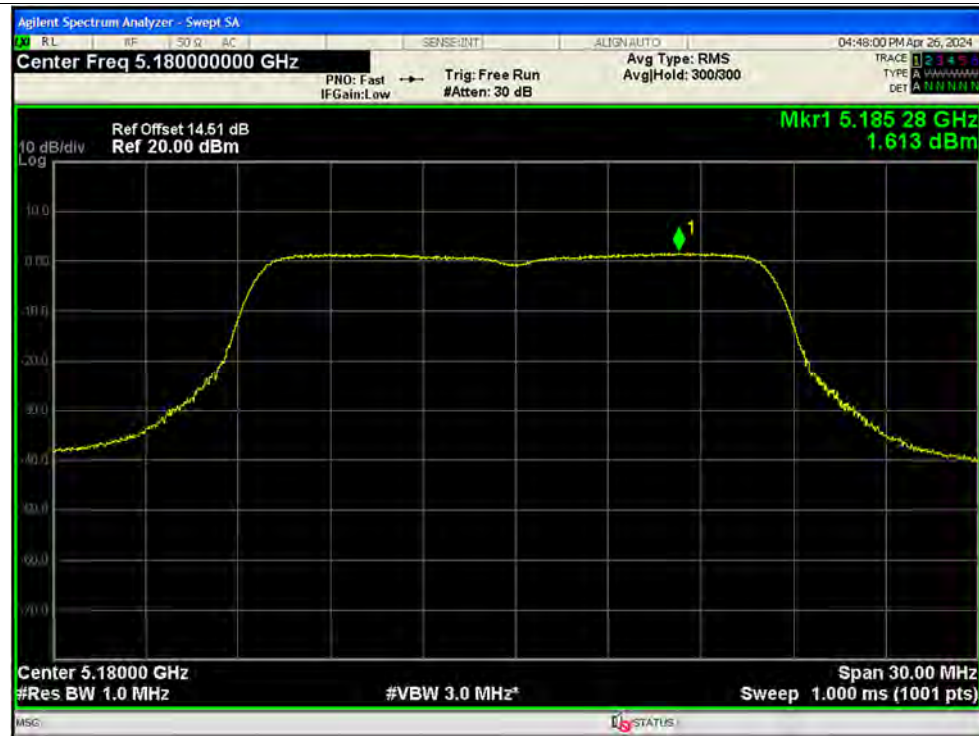


PSD NVNT a 5825MHz Ant1 SISO





PSD NVNT a 5180MHz Ant2 SISO



PSD NVNT a 5220MHz Ant2 SISO



PSD NVNT a 5240MHz Ant2 SISO



PSD NVNT a 5745MHz Ant2 SISO





PSD NVNT a 5785MHz Ant2 SISO

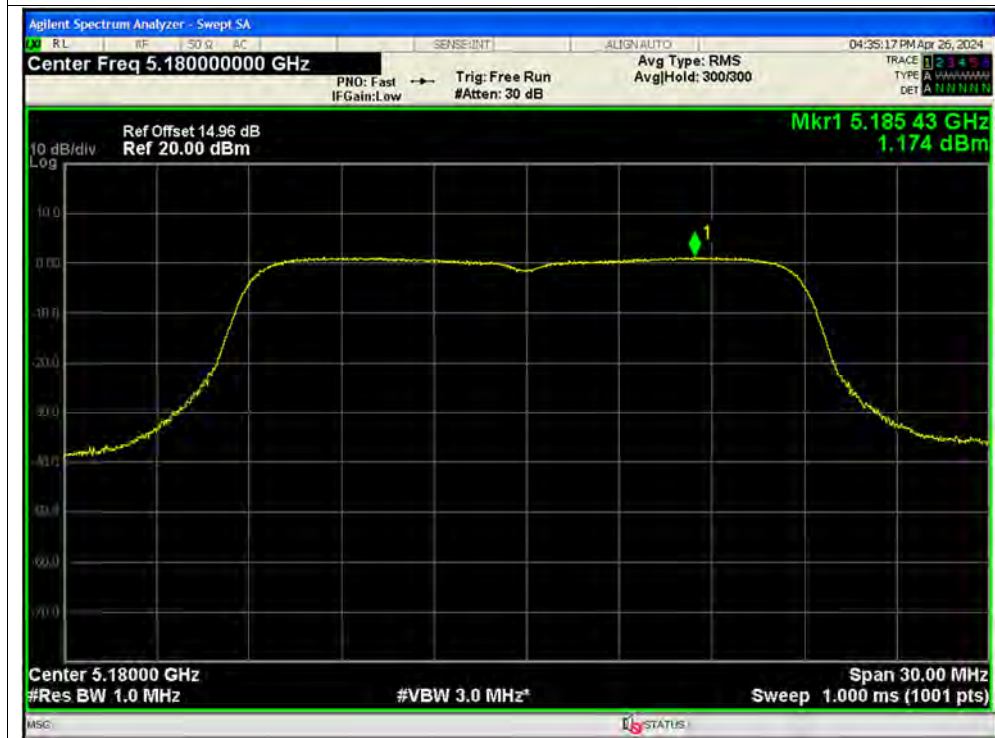


PSD NVNT a 5825MHz Ant2 SISO





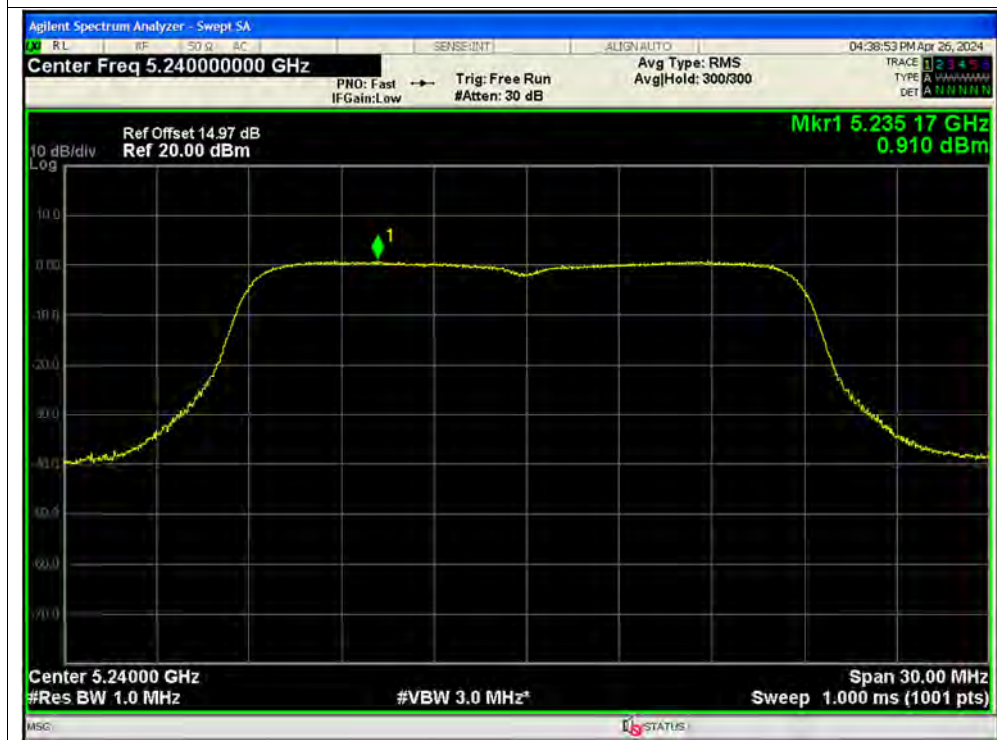
PSD NVNT n20 5180MHz Ant1 SISO



PSD NVNT n20 5220MHz Ant1 SISO



PSD NVNT n20 5240MHz Ant1 SISO



PSD NVNT n20 5745MHz Ant1 SISO





PSD NVNT n20 5785MHz Ant1 SISO

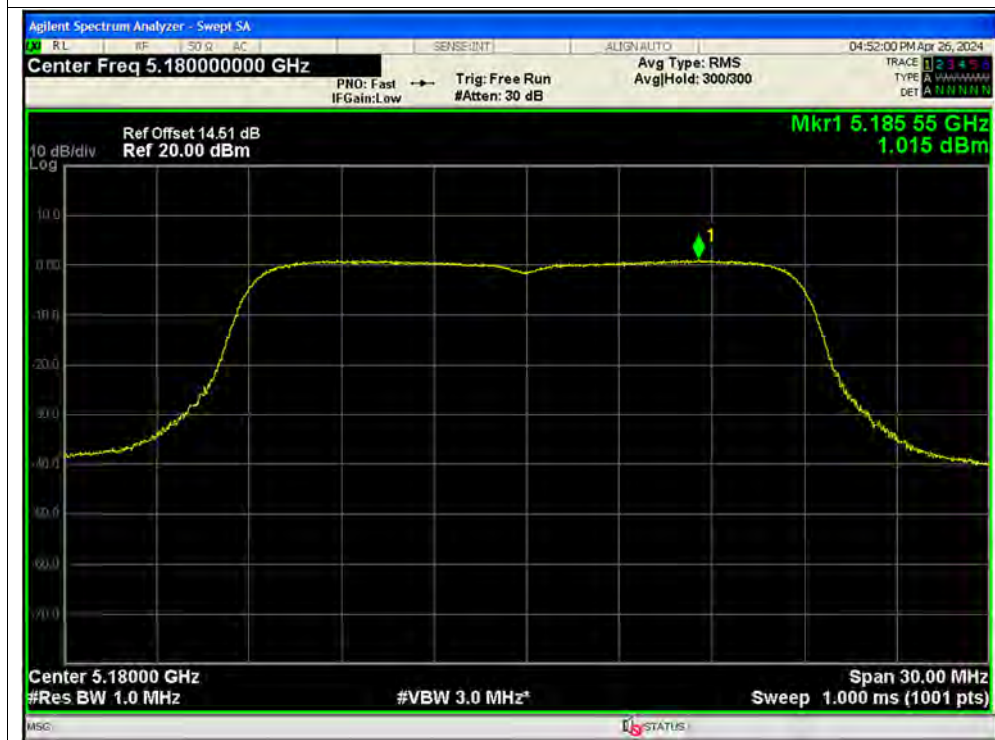


PSD NVNT n20 5825MHz Ant1 SISO

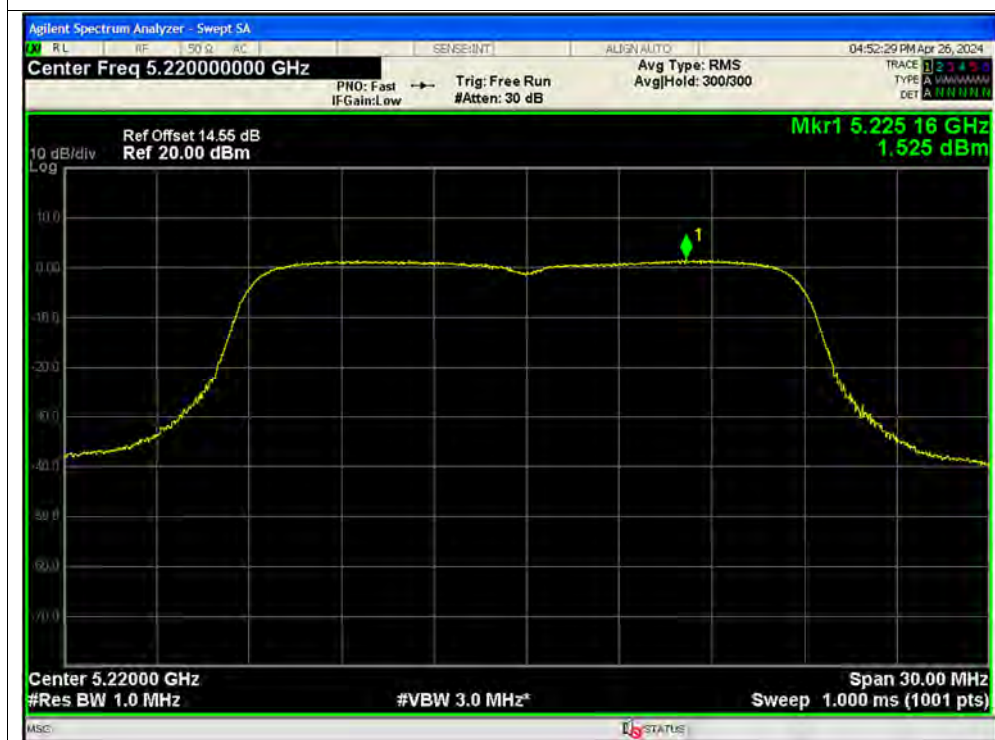




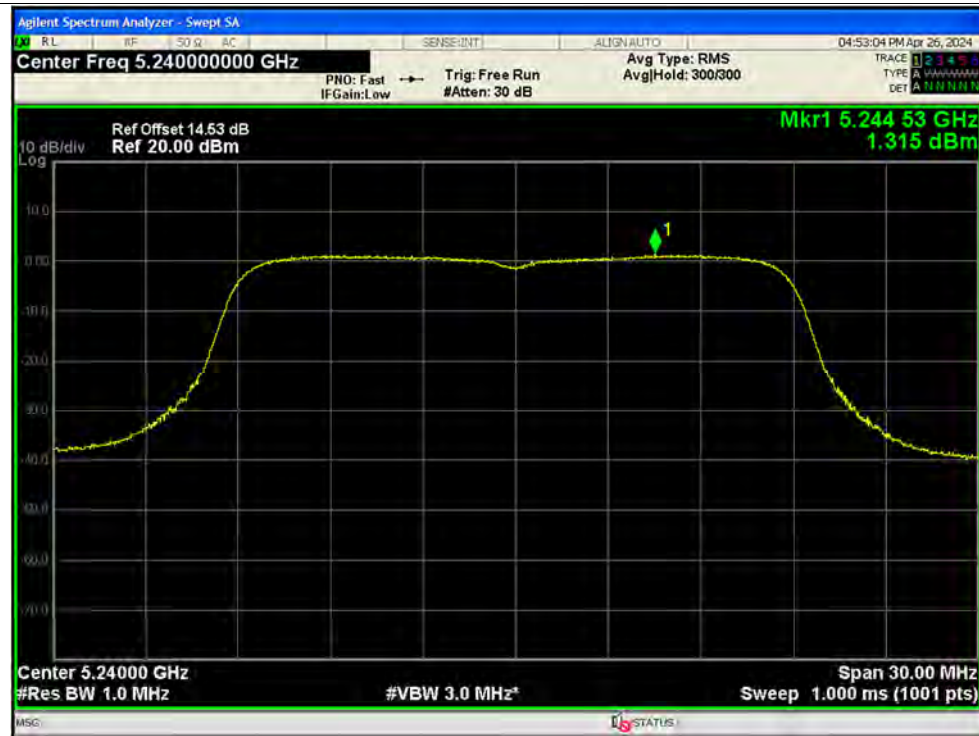
PSD NVNT n20 5180MHz Ant2 SISO



PSD NVNT n20 5220MHz Ant2 SISO



PSD NVNT n20 5240MHz Ant2 SISO



PSD NVNT n20 5745MHz Ant2 SISO





PSD NVNT n20 5785MHz Ant2 SISO



PSD NVNT n20 5825MHz Ant2 SISO





PSD NVNT n20 5180MHz Ant1 MIMO



PSD NVNT n20 5180MHz Ant2 MIMO





PSD NVNT n20 5220MHz Ant1 MIMO



PSD NVNT n20 5220MHz Ant2 MIMO



PSD NVNT n20 5240MHz Ant1 MIMO



PSD NVNT n20 5240MHz Ant2 MIMO



PSD NVNT n20 5745MHz Ant1 MIMO



PSD NVNT n20 5745MHz Ant2 MIMO



PSD NVNT n20 5785MHz Ant1 MIMO



PSD NVNT n20 5785MHz Ant2 MIMO





PSD NVNT n20 5825MHz Ant1 MIMO



PSD NVNT n20 5825MHz Ant2 MIMO





PSD NVNT n40 5190MHz Ant1 SISO



PSD NVNT n40 5230MHz Ant1 SISO



PSD NVNT n40 5755MHz Ant1 SISO



PSD NVNT n40 5795MHz Ant1 SISO





PSD NVNT n40 5190MHz Ant2 SISO



PSD NVNT n40 5230MHz Ant2 SISO



PSD NVNT n40 5755MHz Ant2 SISO



PSD NVNT n40 5795MHz Ant2 SISO





PSD NVNT n40 5190MHz Ant1 MIMO



PSD NVNT n40 5190MHz Ant2 MIMO



PSD NVNT n40 5230MHz Ant1 MIMO



PSD NVNT n40 5230MHz Ant2 MIMO





PSD NVNT n40 5755MHz Ant1 MIMO



PSD NVNT n40 5755MHz Ant2 MIMO



PSD NVNT n40 5795MHz Ant1 MIMO



PSD NVNT n40 5795MHz Ant2 MIMO





PSD NVNT ac20 5180MHz Ant1 SISO



PSD NVNT ac20 5220MHz Ant1 SISO





PSD NVNT ac20 5240MHz Ant1 SISO



PSD NVNT ac20 5745MHz Ant1 SISO





PSD NVNT ac20 5785MHz Ant1 SISO



PSD NVNT ac20 5825MHz Ant1 SISO





PSD NVNT ac20 5180MHz Ant2 SISO



PSD NVNT ac20 5220MHz Ant2 SISO



PSD NVNT ac20 5240MHz Ant2 SISO



PSD NVNT ac20 5745MHz Ant2 SISO



PSD NVNT ac20 5785MHz Ant2 SISO



PSD NVNT ac20 5825MHz Ant2 SISO





PSD NVNT ac20 5180MHz Ant1 MIMO



PSD NVNT ac20 5180MHz Ant2 MIMO



PSD NVNT ac20 5220MHz Ant1 MIMO



PSD NVNT ac20 5220MHz Ant2 MIMO





PSD NVNT ac20 5240MHz Ant1 MIMO



PSD NVNT ac20 5240MHz Ant2 MIMO



PSD NVNT ac20 5745MHz Ant1 MIMO



PSD NVNT ac20 5745MHz Ant2 MIMO





PSD NVNT ac20 5785MHz Ant1 MIMO



PSD NVNT ac20 5785MHz Ant2 MIMO



PSD NVNT ac20 5825MHz Ant1 MIMO



PSD NVNT ac20 5825MHz Ant2 MIMO



PSD NVNT ac40 5190MHz Ant1 SISO



PSD NVNT ac40 5230MHz Ant1 SISO



PSD NVNT ac40 5755MHz Ant1 SISO



PSD NVNT ac40 5795MHz Ant1 SISO





PSD NVNT ac40 5190MHz Ant2 SISO



PSD NVNT ac40 5230MHz Ant2 SISO





PSD NVNT ac40 5755MHz Ant2 SISO



PSD NVNT ac40 5795MHz Ant2 SISO





PSD NVNT ac40 5190MHz Ant1 MIMO



PSD NVNT ac40 5190MHz Ant2 MIMO



PSD NVNT ac40 5230MHz Ant1 MIMO



PSD NVNT ac40 5230MHz Ant2 MIMO



PSD NVNT ac40 5755MHz Ant1 MIMO



PSD NVNT ac40 5755MHz Ant2 MIMO



PSD NVNT ac40 5795MHz Ant1 MIMO



PSD NVNT ac40 5795MHz Ant2 MIMO





PSD NVNT ac80 5210MHz Ant1 SISO



PSD NVNT ac80 5775MHz Ant1 SISO



PSD NVNT ac80 5210MHz Ant2 SISO



PSD NVNT ac80 5775MHz Ant2 SISO



PSD NVNT ac80 5210MHz Ant1 MIMO



PSD NVNT ac80 5210MHz Ant2 MIMO





PSD NVNT ac80 5775MHz Ant1 MIMO



PSD NVNT ac80 5775MHz Ant2 MIMO



**A.5. Frequency Stability**

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 5V	a SISO	5180	Ant1	5179.962	-38000	-7.34	25	Pass
0C 5V	a SISO	5180	Ant1	5179.962	-38000	-7.34	25	Pass
10C 5V	a SISO	5180	Ant1	5179.962	-38000	-7.34	25	Pass
30C 5V	a SISO	5180	Ant1	5179.962	-38000	-7.34	25	Pass
40C 5V	a SISO	5180	Ant1	5179.962	-38000	-7.34	25	Pass
20C 5V	a SISO	5745	Ant1	5744.957	-43000	-7.48	25	Pass
0C 5V	a SISO	5745	Ant1	5744.957	-43000	-7.48	25	Pass
10C 5V	a SISO	5745	Ant1	5744.957	-43000	-7.48	25	Pass
30C 5V	a SISO	5745	Ant1	5744.957	-43000	-7.48	25	Pass
40C 5V	a SISO	5745	Ant1	5744.957	-43000	-7.48	25	Pass



A.6. Conducted Emission

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Set RBW=9kHz, VBW=30kHz. Refer to recorded points and plots below.

Note: Both of the test voltage AC 120V/60Hz and AC 230V/50Hz were considered and tested respectively, only the results of the worst case AC 120V/60Hz were recorded in this report.

A. Test Setup:

Test Mode: EUT+ PC Adapter + PC + WIFI TX

Test voltage: AC 120V/60Hz

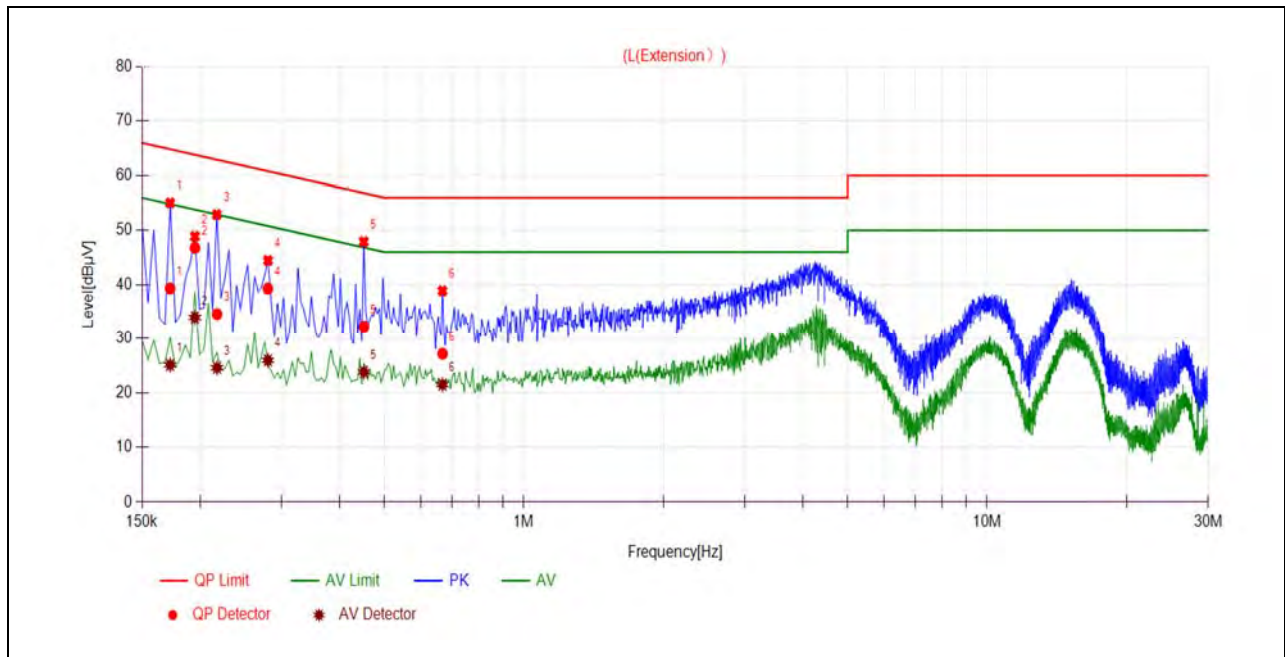
The measurement results are obtained as below:

$$E \text{ [dB}\mu\text{V]} = U_R + L_{\text{Cable loss}} \text{ [dB]} + A_{\text{Factor}}$$

U_R : Receiver Reading

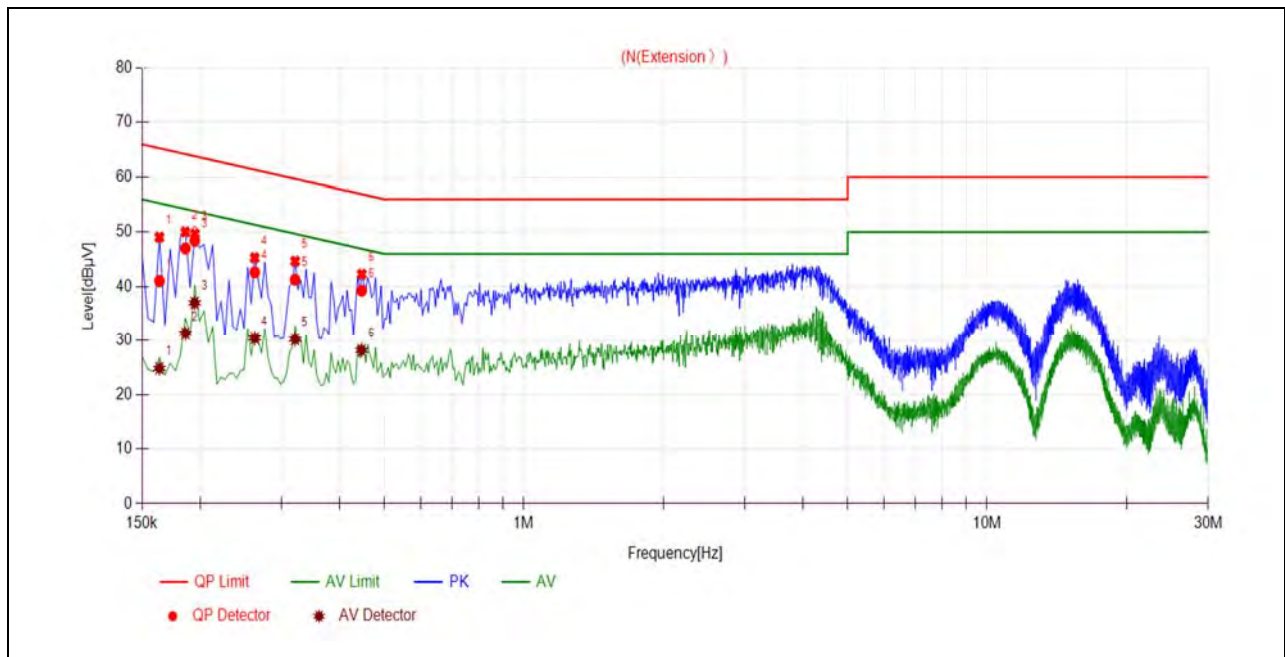
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1724	39.31	25.08	64.84	54.84	Line	PASS
2	0.1950	46.80	33.95	63.82	53.82		PASS
3	0.2177	34.56	24.55	62.91	52.91		PASS
4	0.2803	39.28	25.93	60.81	50.81		PASS
5	0.4518	32.25	23.78	56.84	46.84		PASS
6	0.6677	27.15	21.46	56.00	46.00		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1635	41.04	24.81	65.29	55.29	Neutral	PASS
2	0.1860	47.00	31.33	64.21	54.21		PASS
3	0.1948	48.41	37.02	63.83	53.83		PASS
4	0.2626	42.63	30.44	61.35	51.35		PASS
5	0.3208	41.27	30.23	59.68	49.68		PASS
6	0.4467	39.25	28.17	56.94	46.94		PASS



A.7. Restricted Frequency Bands

The lowest and highest channels are tested to verify the Restricted Frequency Bands.

The measurement results are obtained as below:

$$E \text{ [dB}\mu\text{V/m]} = U_R + A_T + A_{\text{Factor}} \text{ [dB]}; A_T = L_{\text{Cable loss}} \text{ [dB]} - G_{\text{preamp}} \text{ [dB]}$$

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

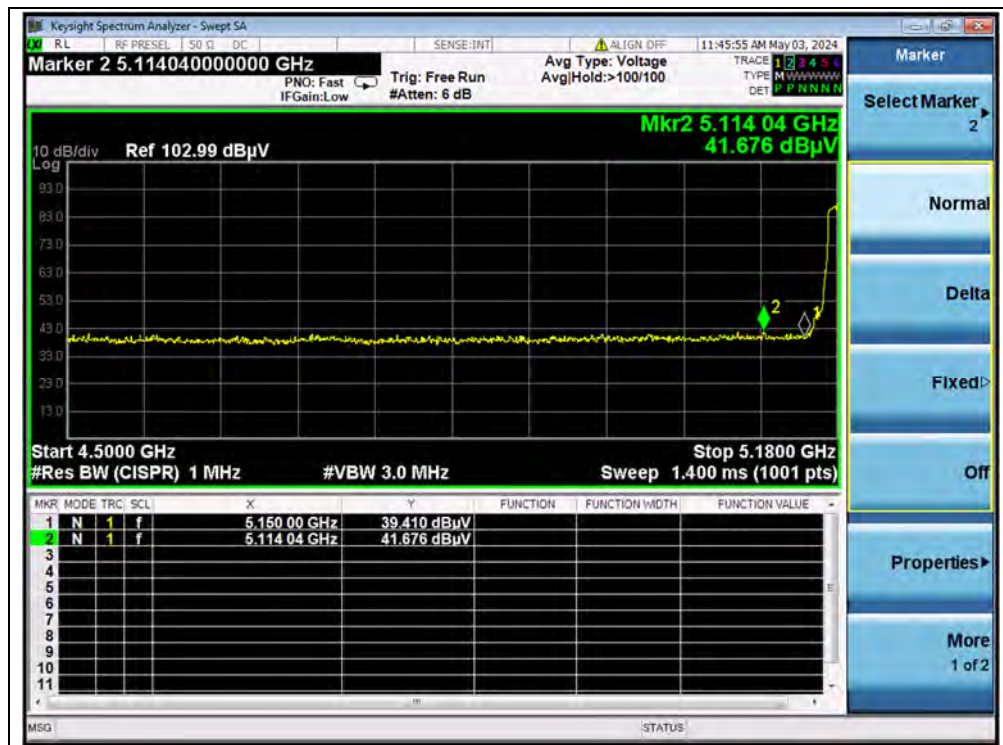
A_{Factor} : Antenna Factor at 3m

Note 1: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (vertical) was recorded in this test report.

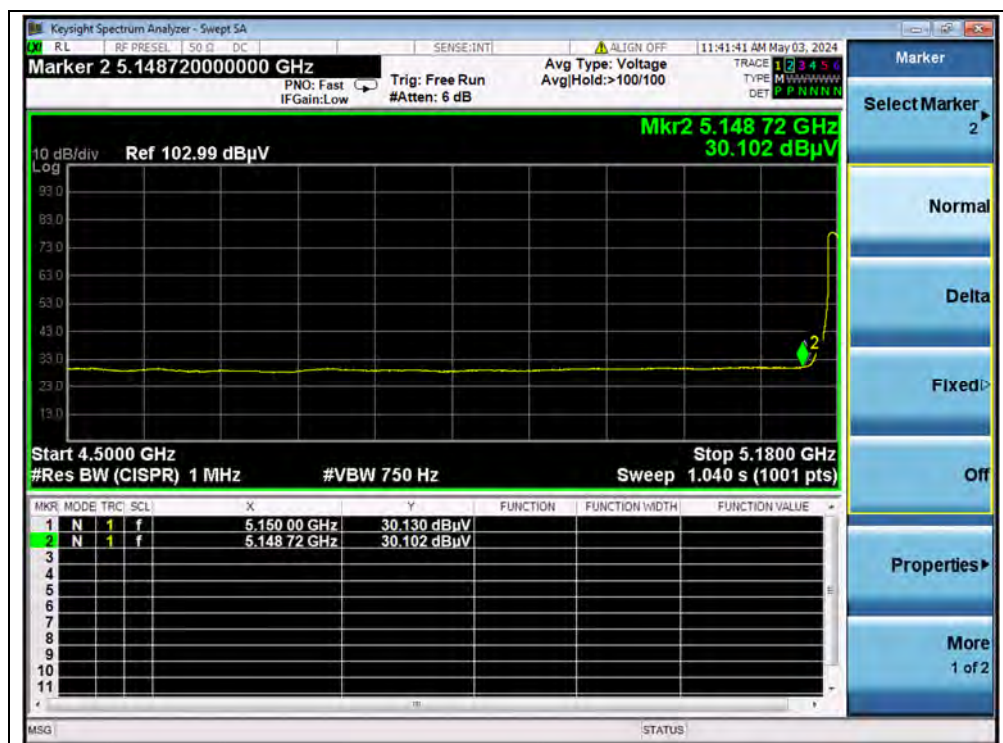
Note 2 All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11a Mode

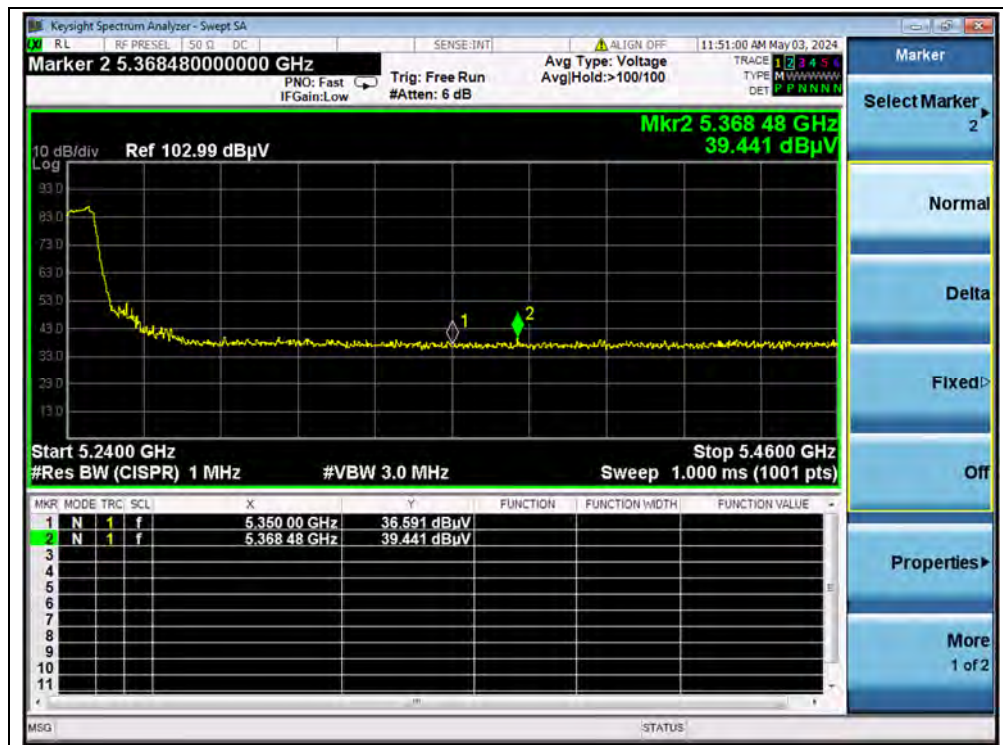
Channel	Frequency (MHz)	Detector	Receiver Reading	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission	Limit (dBμV/m)	Verdict
		PK/ AV	U _R (dBμV)			E (dBμV/m)		
36	5114.04	PK	41.68	-21.29	32.20	52.59	74	PASS
36	5150.00	AV	30.13	-21.29	32.20	41.04	54	PASS
48	5368.48	PK	39.44	-21.29	32.20	50.35	74	PASS
48	5457.80	AV	28.53	-21.29	32.20	39.44	54	PASS
149	5725.00	PK	44.83	-21.11	32.20	55.92	122.23	PASS
165	5850.00	PK	40.38	-21.11	32.20	51.47	122.23	PASS



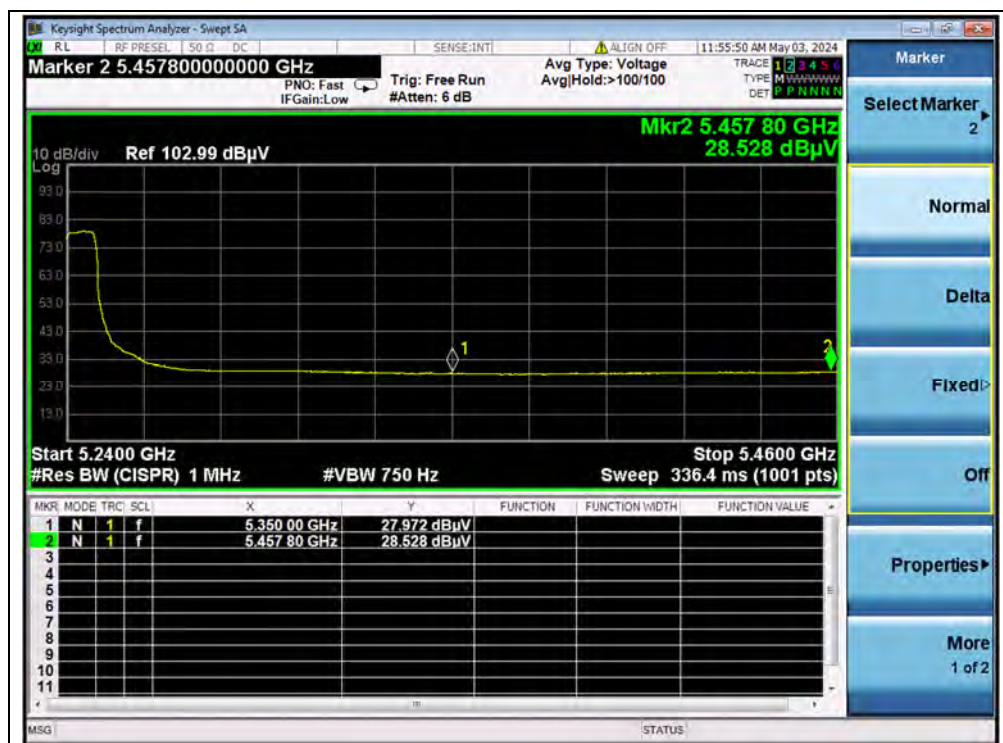
(PEAK, Channel 36, 802.11a)



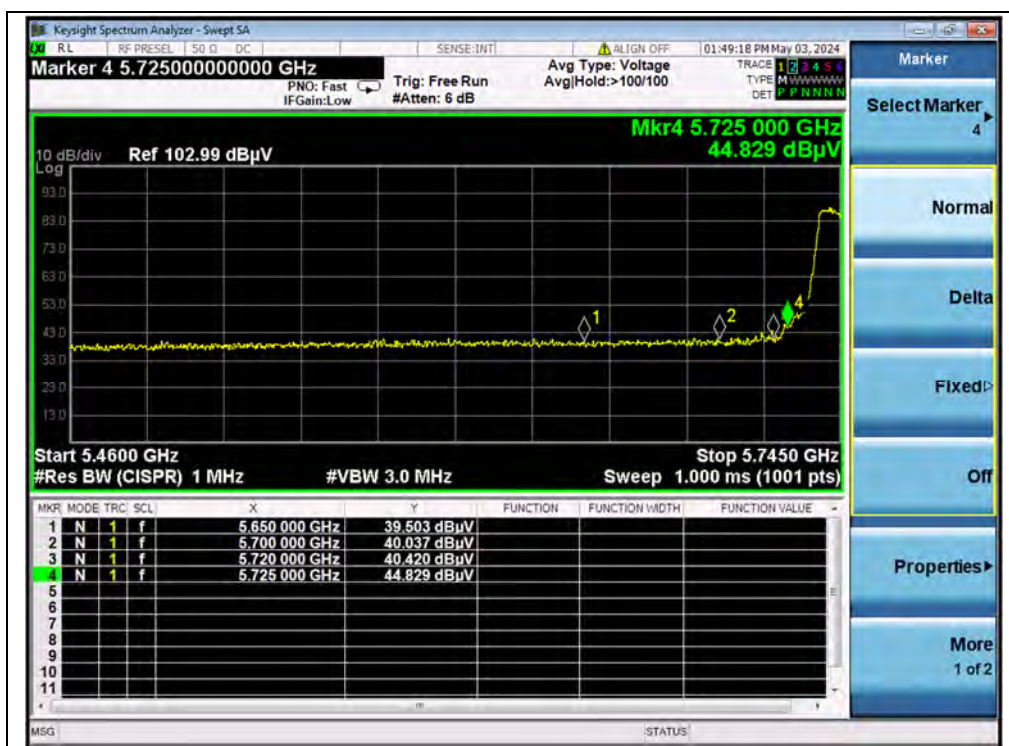
(AVERAGE, Channel 36, 802.11a)



(PEAK, Channel 48, 802.11a)



(AVERAGE, Channel 48, 802.11a)



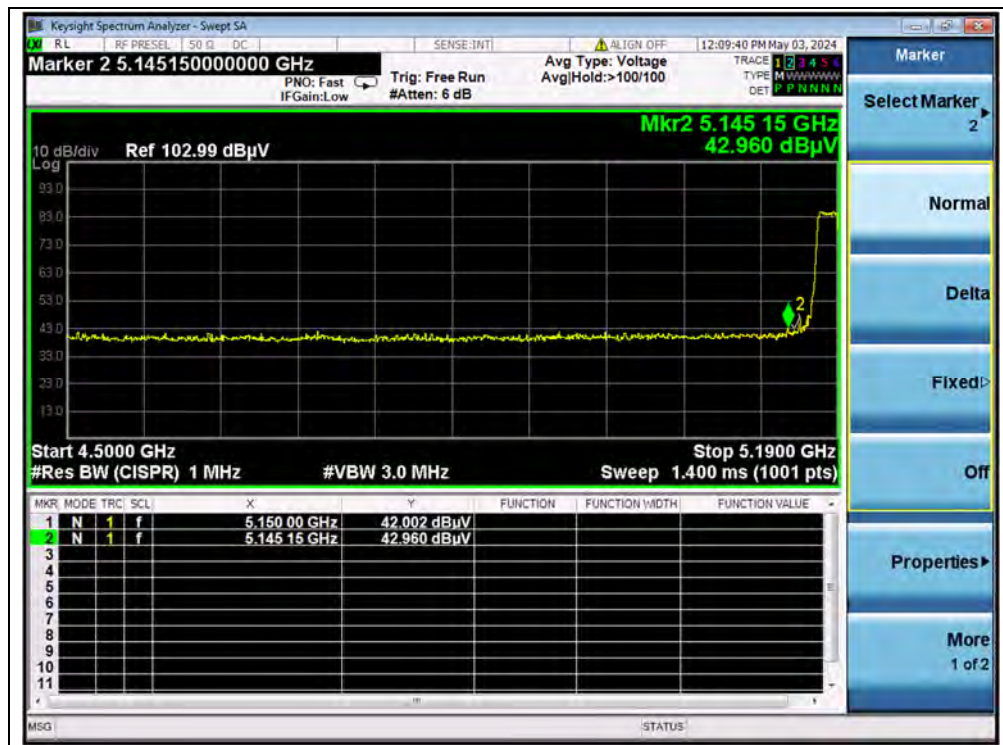
(PEAK, Channel 149, 802.11a)



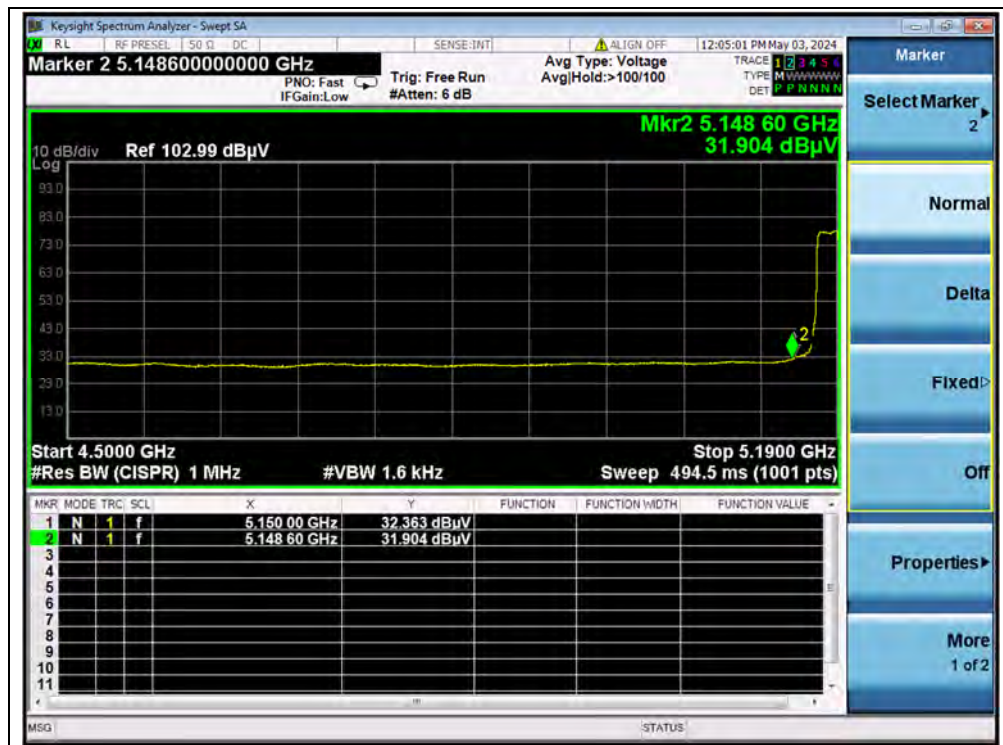
(PEAK, Channel 165, 802.11a)

**802.11n (HT40) Mode**

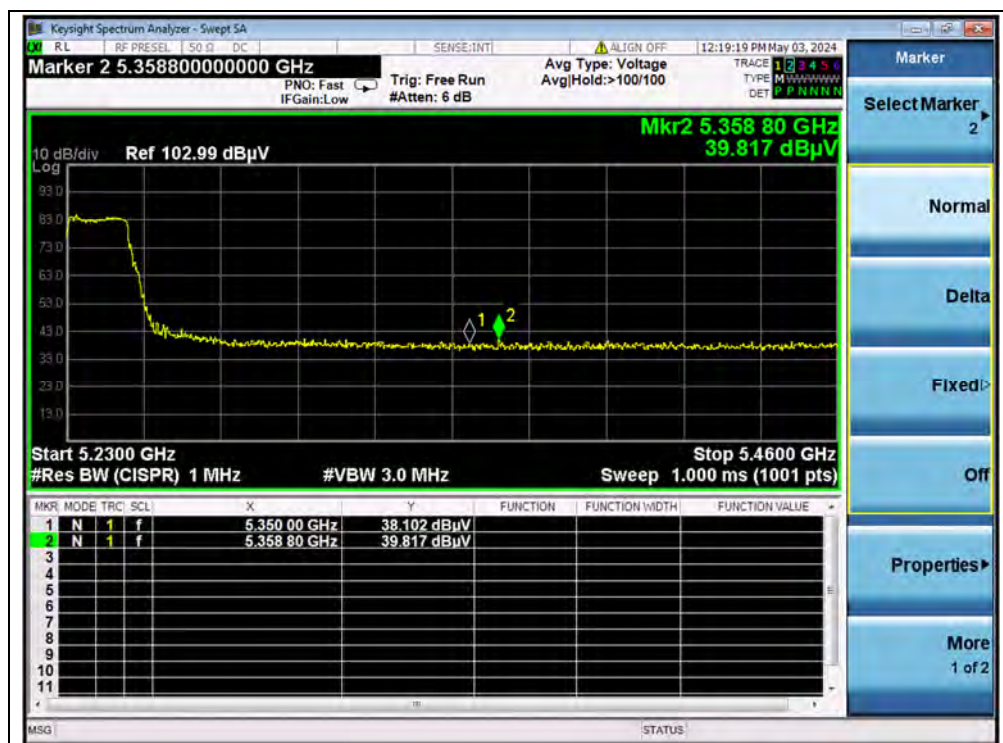
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
38	5154.15	PK	42.96	-21.29	32.20	53.87	74	PASS
38	5150.00	AV	32.36	-21.29	32.20	43.27	54	PASS
46	5358.80	PK	39.82	-21.29	32.20	50.73	74	PASS
46	5457.70	AV	29.37	-21.29	32.20	40.28	54	PASS
151	5725.00	PK	43.09	-21.11	32.20	54.18	122.23	PASS
159	5850.00	PK	39.35	-21.11	32.20	50.44	122.23	PASS



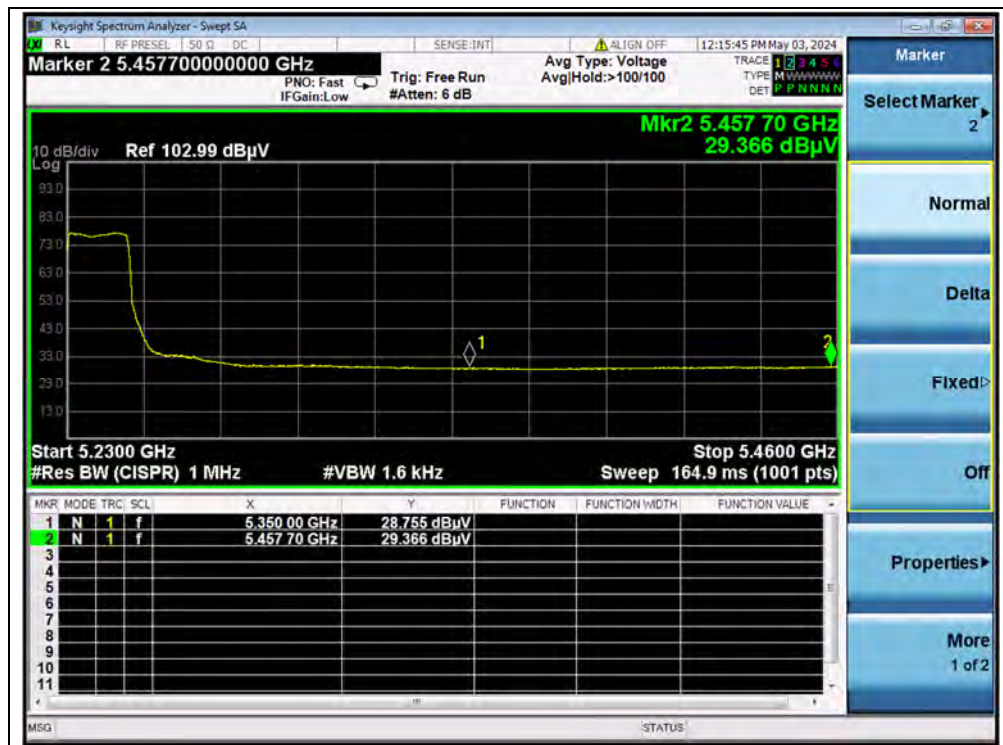
(PEAK, Channel 38, 802.11n (HT40))



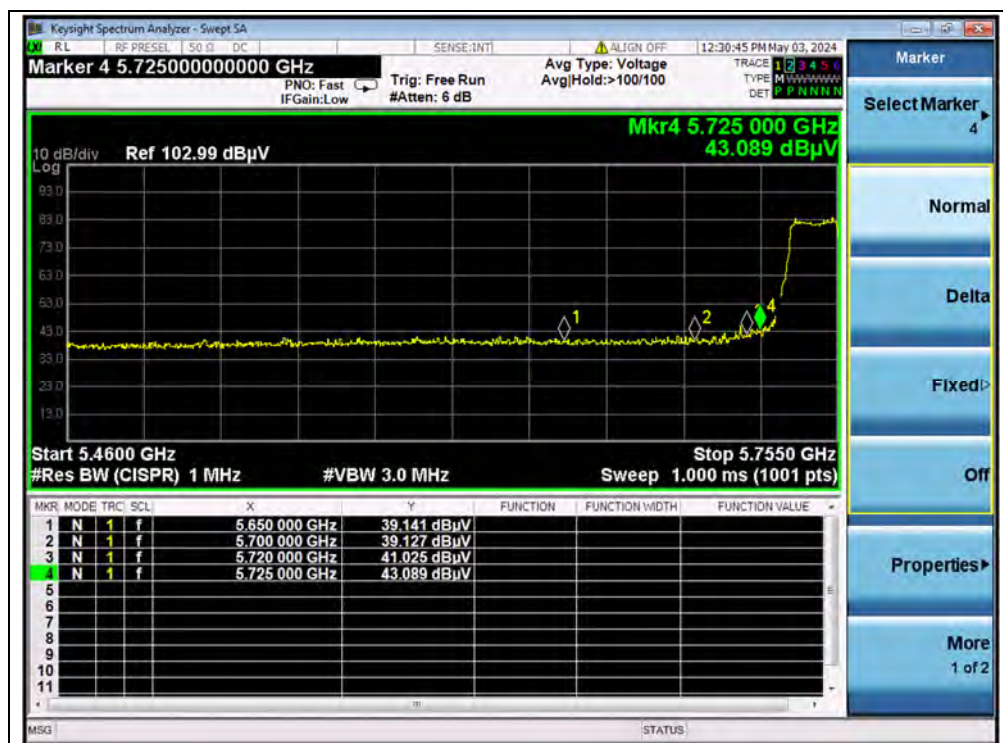
(AVERAGE, Channel 38, 802.11n (HT40))



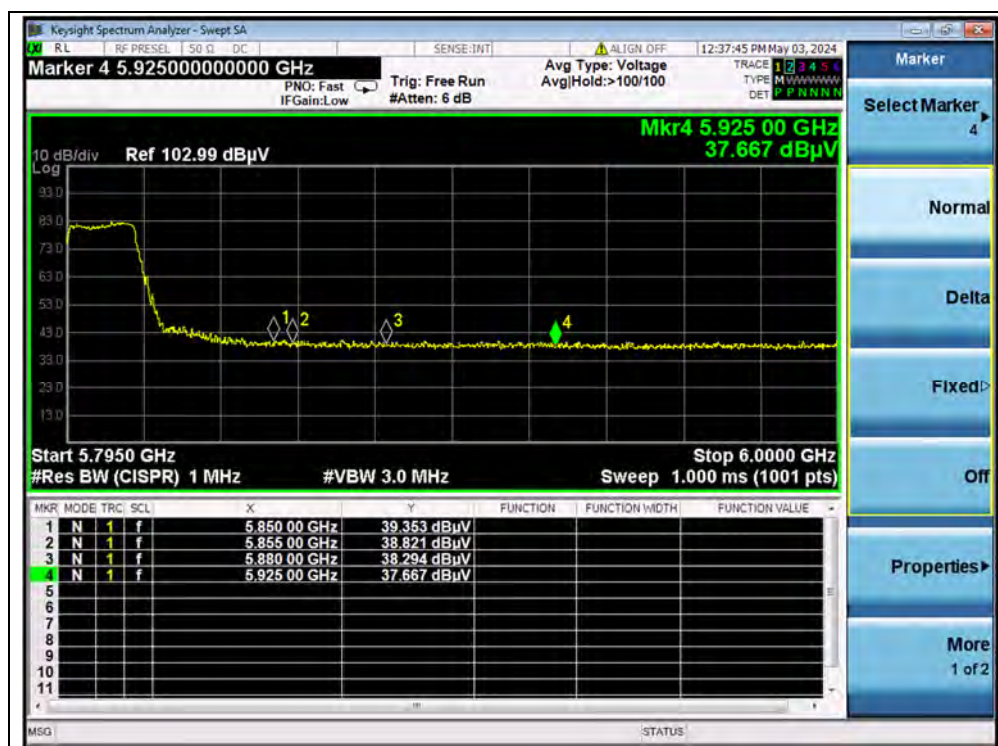
(PEAK, Channel 46, 802.11n (HT40))



(AVERAGE, Channel 46, 802.11n (HT40))



(PEAK, Channel 151, 802.11n (HT40))

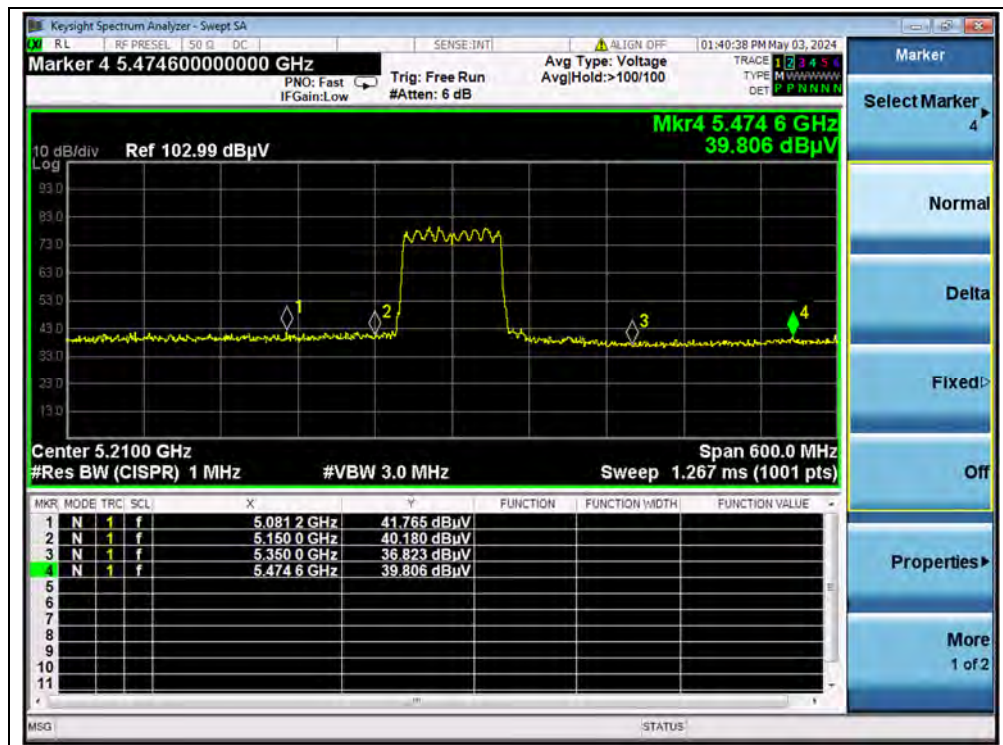


(PEAK, Channel 159, 802.11n (HT40))

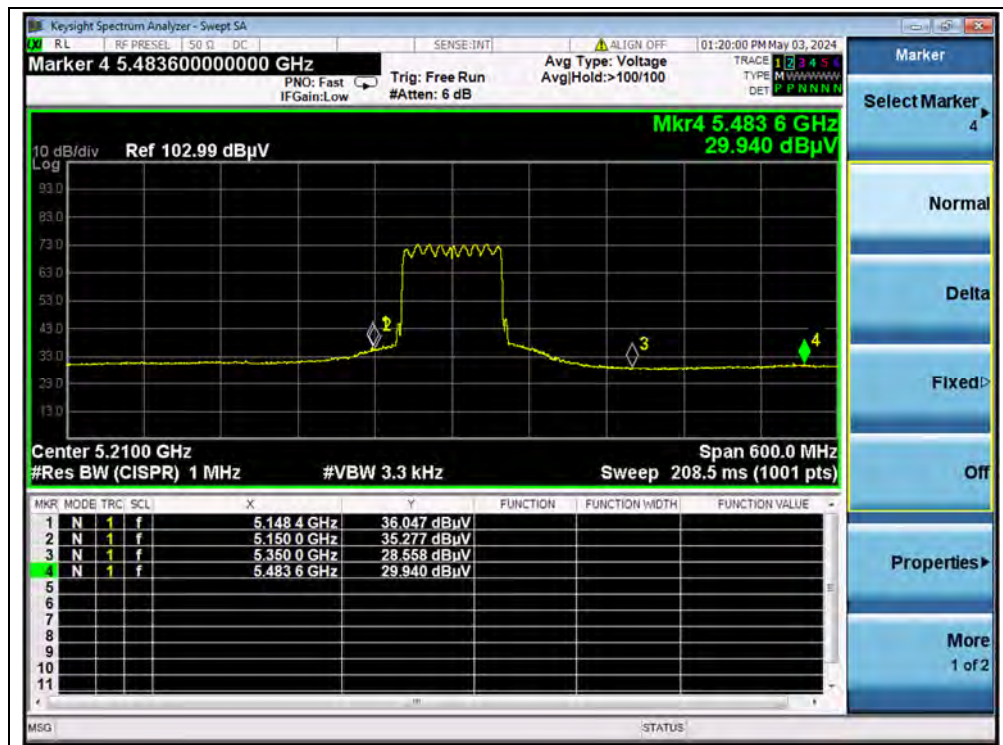


802.11ac (VHT80) Mode

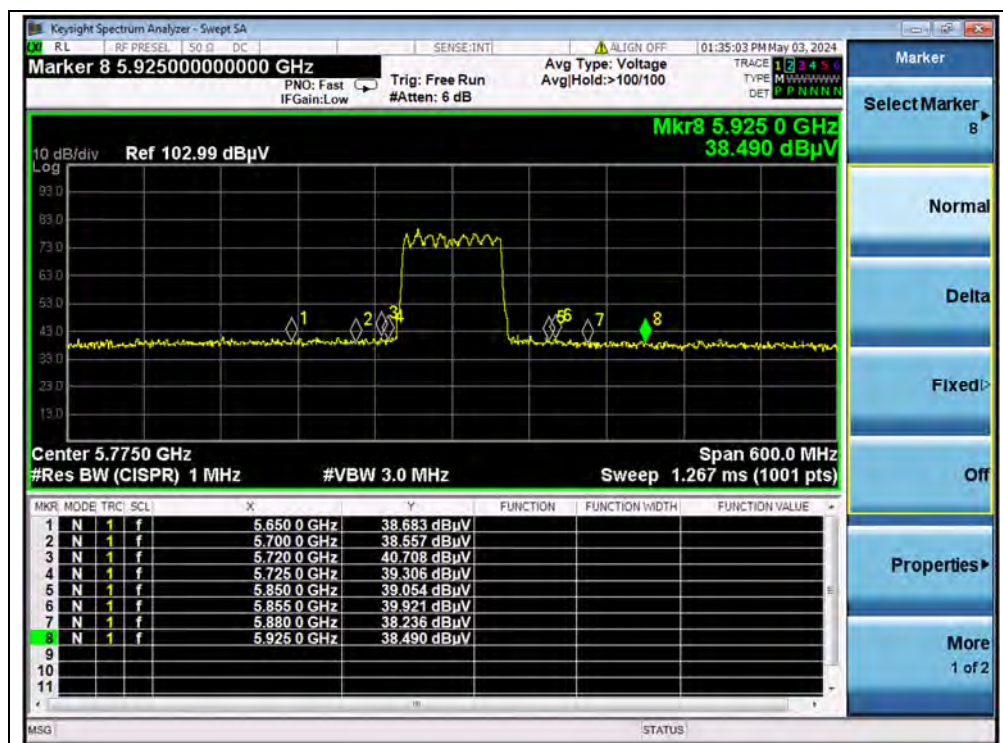
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
42	5081.20	PK	41.77	-21.29	32.20	52.68	74	PASS
42	5148.40	AV	36.05	-21.29	32.20	46.96	54	PASS
42	5474.60	PK	39.81	-21.29	32.20	50.72	74	PASS
42	5483.60	AV	29.94	-21.29	32.20	40.85	54	PASS
155	5720.00	PK	40.71	-21.11	32.20	51.80	110.83	PASS
155	5855.00	PK	39.92	-21.11	32.20	51.01	110.83	PASS



(PEAK, Channel 42, 802.11ac (VHT80))



(AVERAGE, Channel 42, 802.11ac (VHT80))



(PEAK, Channel 155, 802.11ac (VHT80))



A.8. Radiated Emission

According to ANSI C63.10, because of peak detection will yield amplitudes equal to or greater than amplitudes measured with the quasi-peak (or average) detector, the measurement data from a spectrum analyzer peak detector will represent the worst-case results, if the peak measured value complies with the quasi-peak (or average) limit, it is unnecessary to perform an quasi-peak measurement (or average).

The measurement results are obtained as below:

$$E [\text{dB}\mu\text{V/m}] = U_R + A_T + A_{\text{Factor}} [\text{dB}]; A_T = L_{\text{Cable loss}} [\text{dB}] - G_{\text{preamp}} [\text{dB}]$$

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

During the test, the total correction Factor A_T and A_{Factor} were built in test software.

Note1: All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

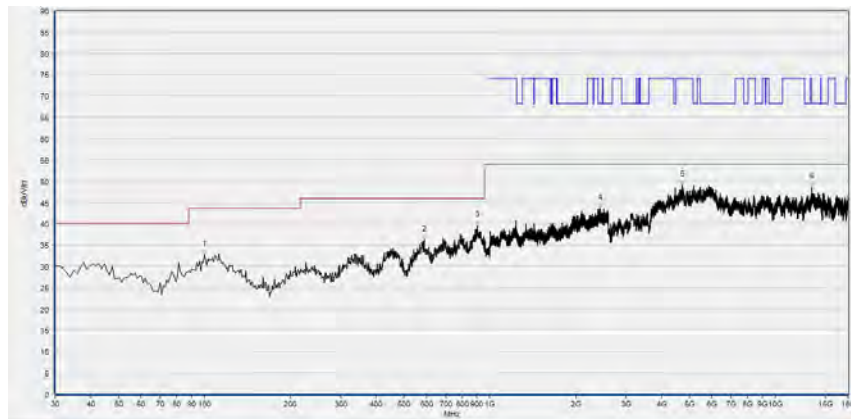
Note2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note3: For the frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note 4: All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

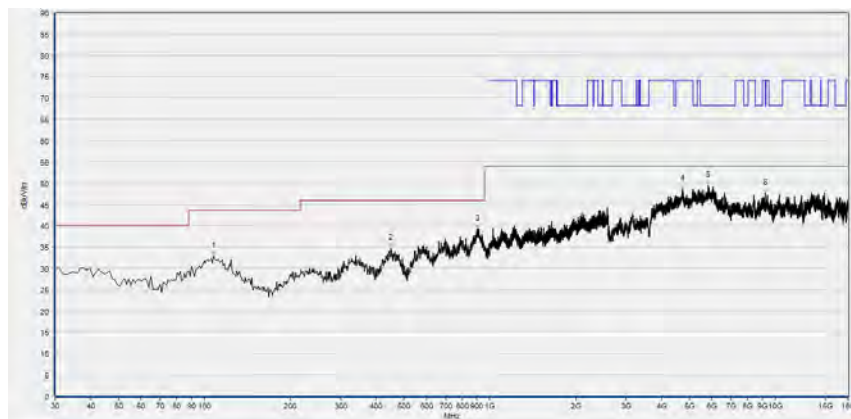
**802.11a Mode**

Plot for Channel 36



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.910	32.60	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
589.279	36.28	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
906.787	39.61	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2437.813	43.55	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4716.383	49.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13443.769	48.56	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

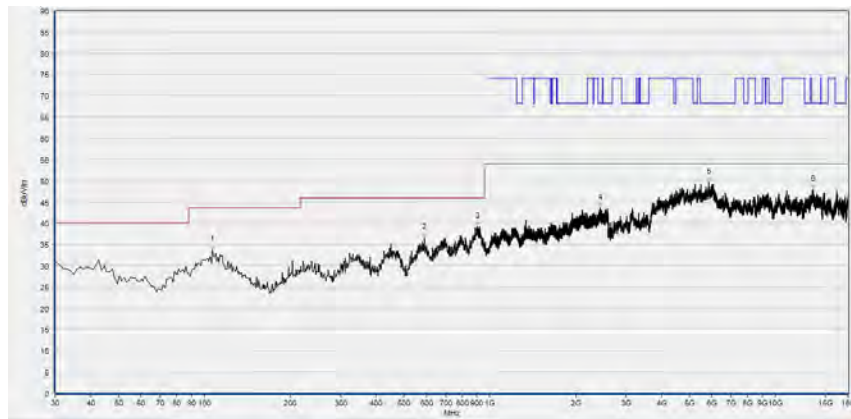


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.678	32.83	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
450.430	34.66	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
904.845	39.15	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4725.625	48.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5831.566	49.51	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9235.647	47.60	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

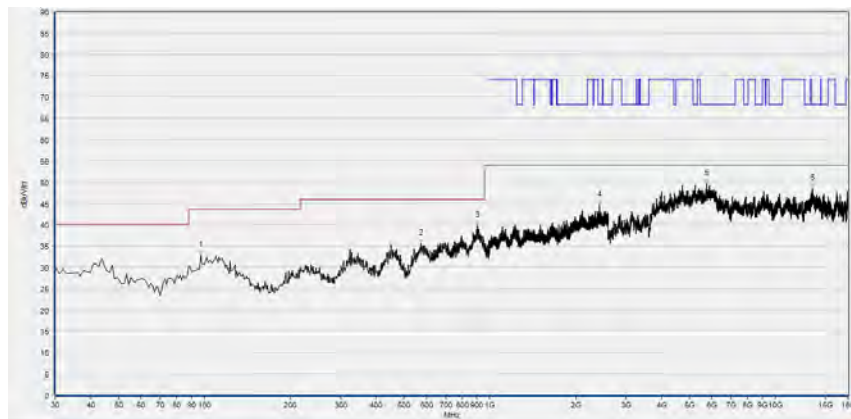


Plot for Channel 44



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.707	33.71	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
590.250	36.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
904.845	39.22	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2439.947	43.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5834.647	49.60	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13579.316	47.93	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

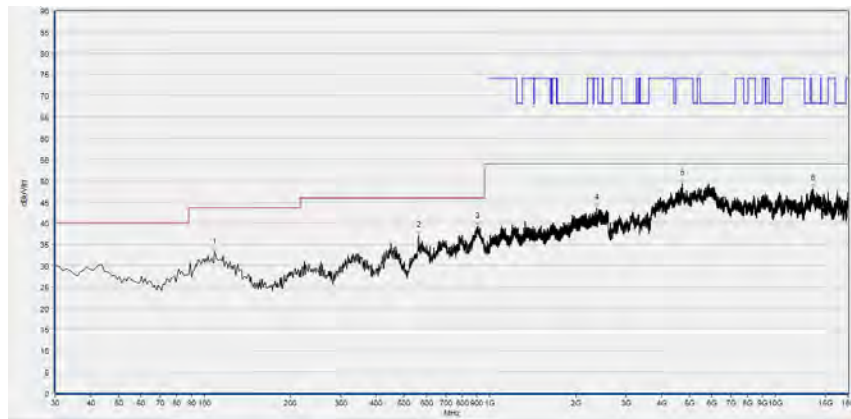


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
96.997	32.89	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
573.744	35.51	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
902.903	39.70	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2418.073	44.59	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5760.712	49.57	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13456.091	48.39	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

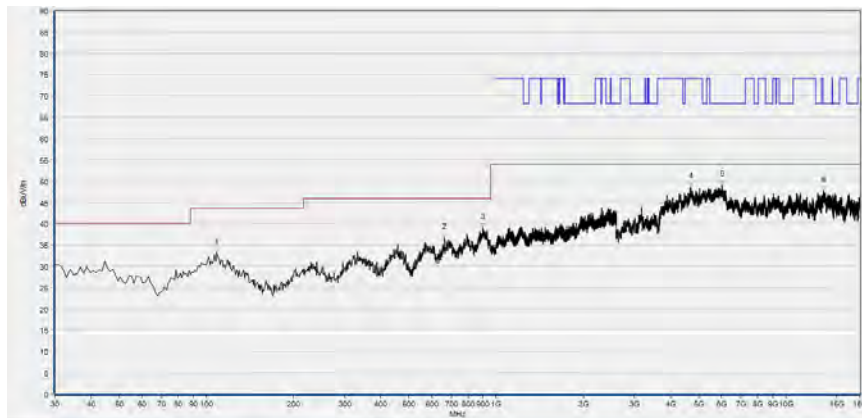


Plot for Channel 48



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.649	33.18	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
563.063	36.99	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
903.874	39.15	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2373.791	43.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4734.867	49.31	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13594.719	48.08	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

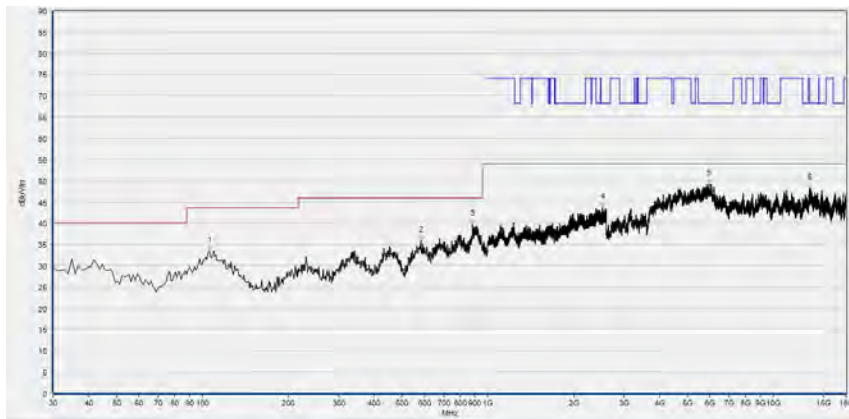


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.649	33.22	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
664.044	36.71	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
899.019	38.97	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4707.141	48.65	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6019.484	49.06	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13480.736	47.83	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

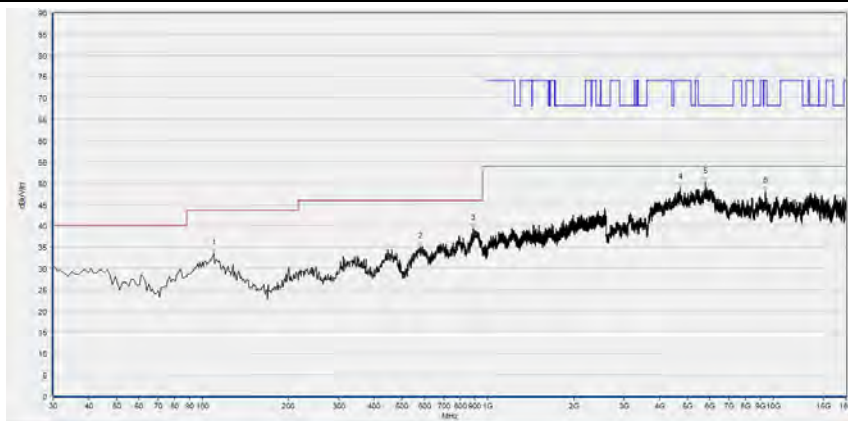


Plot for Channel 149



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.736	33.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
582.482	35.80	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
884.454	39.70	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2524.241	43.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5951.710	49.27	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13440.688	48.24	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

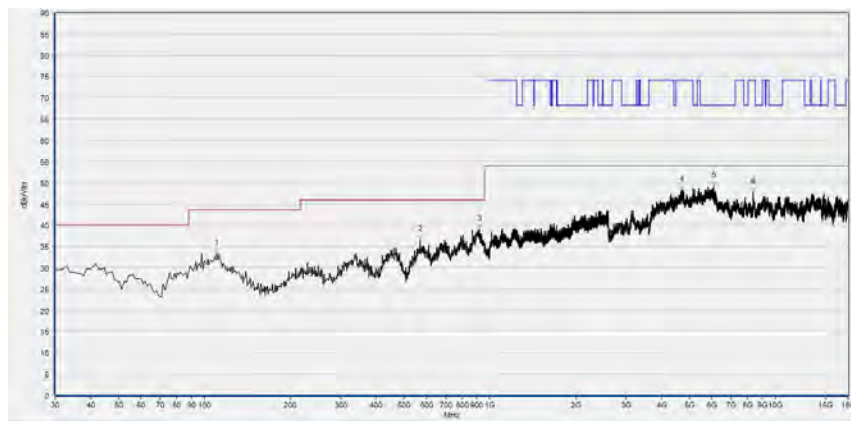


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.620	33.54	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
579.570	35.03	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
889.309	39.46	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4725.625	48.96	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5785.357	50.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9374.275	48.06	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

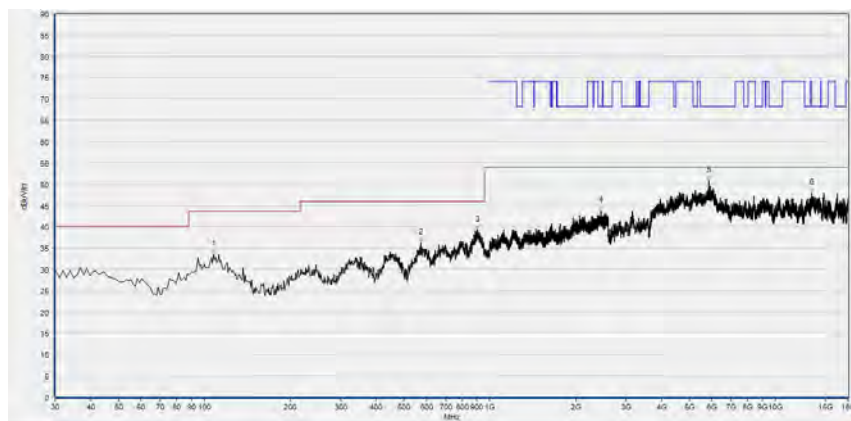


Plot for Channel 157



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.591	33.31	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
568.889	36.46	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
917.467	39.04	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4713.303	48.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6074.935	49.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8373.075	47.76	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

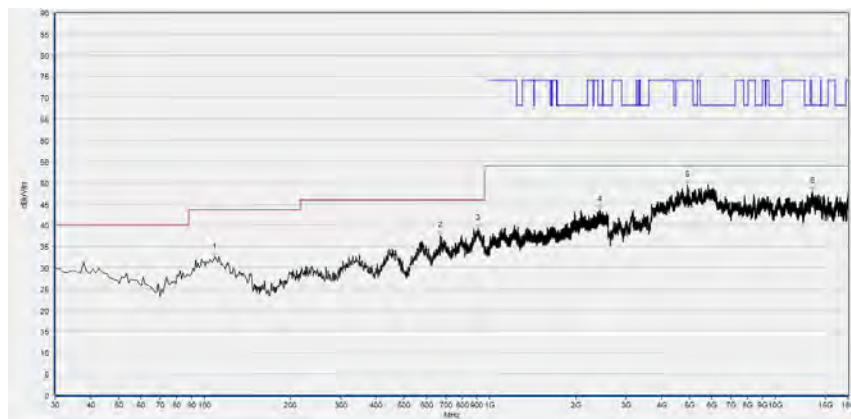


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.678	33.56	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
573.744	36.19	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
901.932	39.22	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2448.483	43.76	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5837.728	50.72	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13416.043	47.89	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

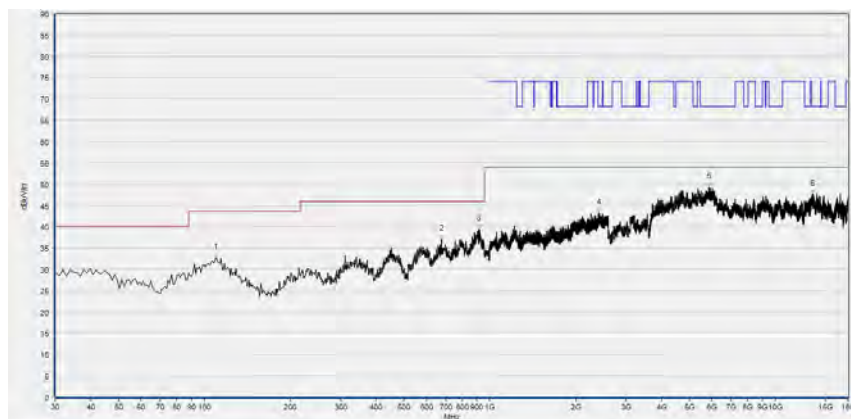


Plot for Channel 165



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.649	32.34	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
668.899	37.52	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
908.729	39.19	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2416.472	43.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4913.543	49.49	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13480.736	47.86	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

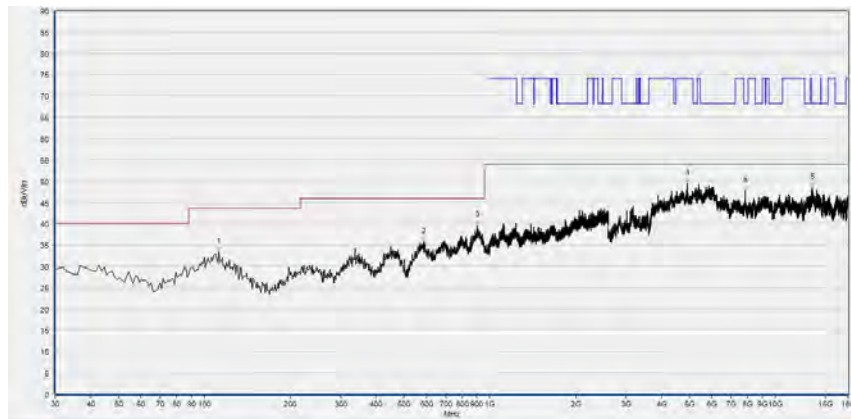


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.620	32.70	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
676.667	37.03	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
914.555	39.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2403.134	43.25	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5837.728	49.25	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13489.978	47.65	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

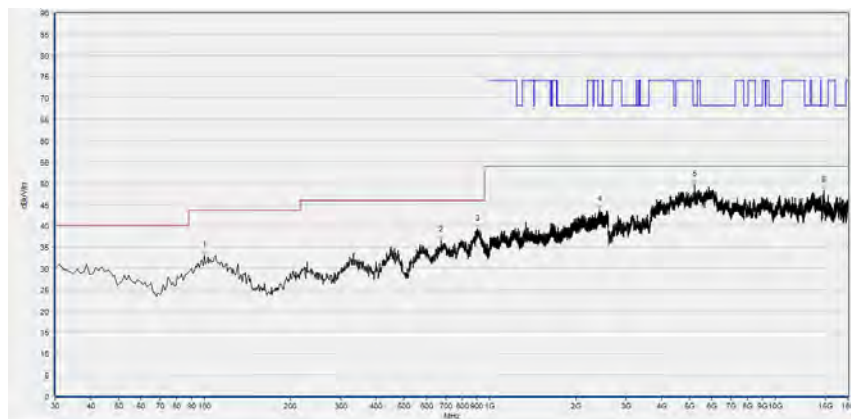
**802.11n (HT40) mode**

Plot for Channel 38



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
112.533	33.28	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
585.395	35.74	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
901.932	39.51	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4913.543	49.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7849.370	47.83	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13456.091	48.41	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

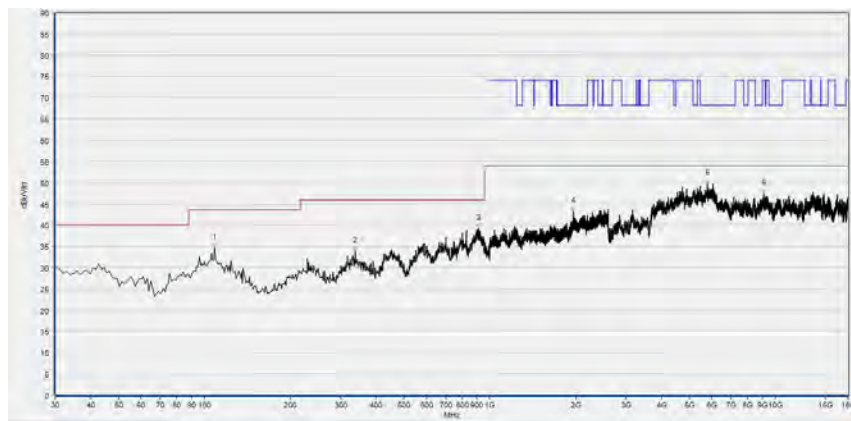


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.910	33.01	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
675.696	36.57	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
904.845	39.20	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2417.539	43.69	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5209.282	49.66	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14759.192	48.25	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

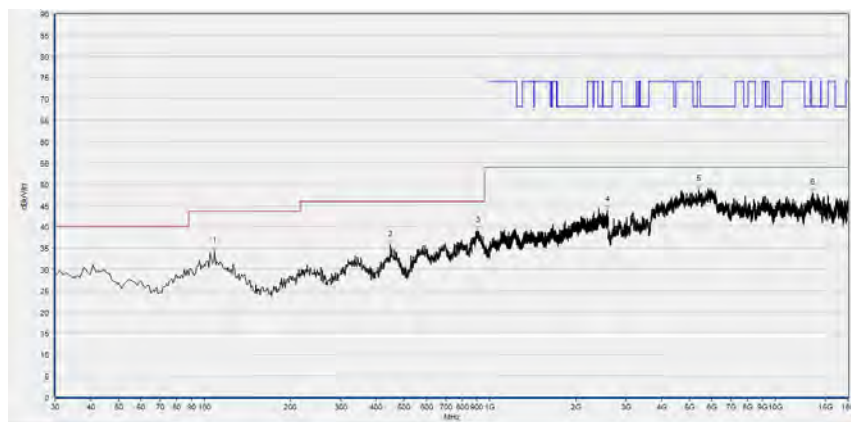


Plot for Channel 46



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.649	34.62	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
337.798	33.91	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
913.584	39.28	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1962.988	43.20	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5779.196	49.85	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9106.261	47.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

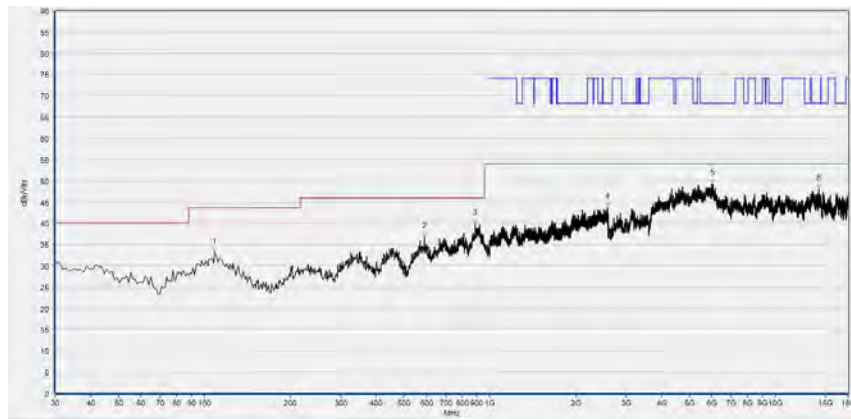
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.649	34.19	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
448.488	35.73	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
908.729	38.97	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2581.327	43.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5394.119	48.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13508.462	48.01	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

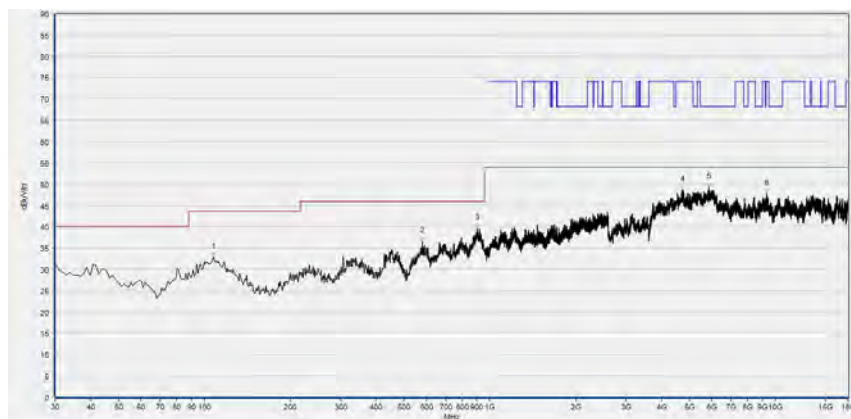
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 151



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.649	33.25	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
589.279	36.95	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
890.280	39.93	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2583.461	43.77	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
6031.806	49.29	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14235.487	48.16	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

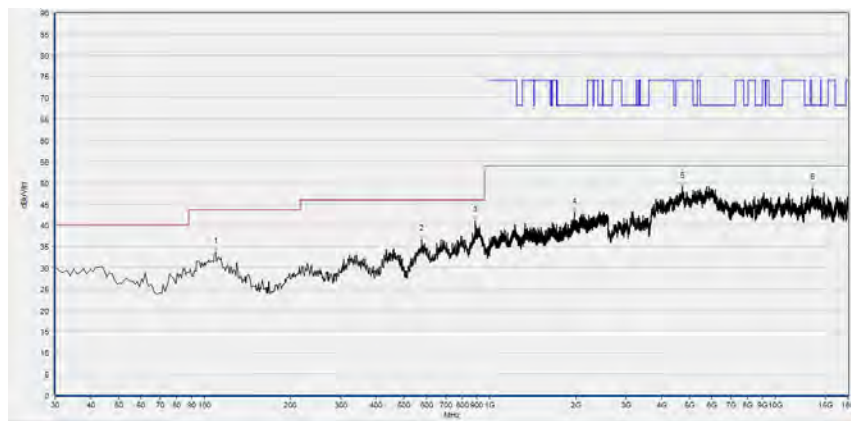


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.678	32.86	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
581.512	36.56	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
905.816	39.51	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4725.625	48.62	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5834.647	49.32	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9352.711	47.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

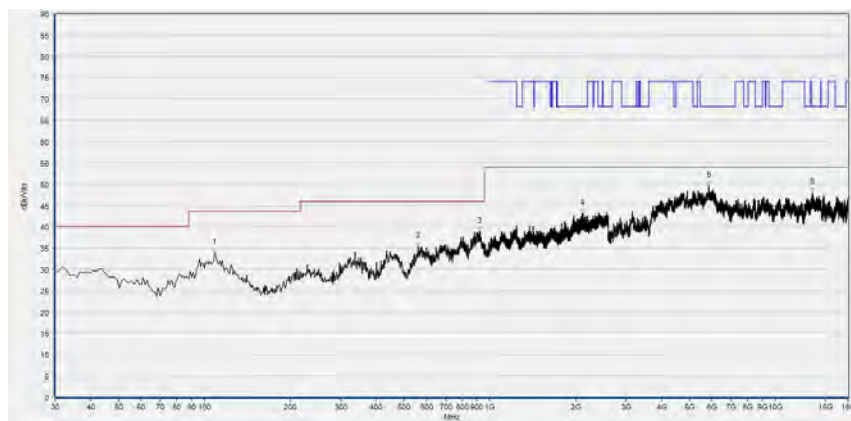


Plot for Channel 159



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.620	33.63	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
576.657	36.74	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
889.309	41.11	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1975.258	43.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4734.867	49.09	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13486.897	48.82	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

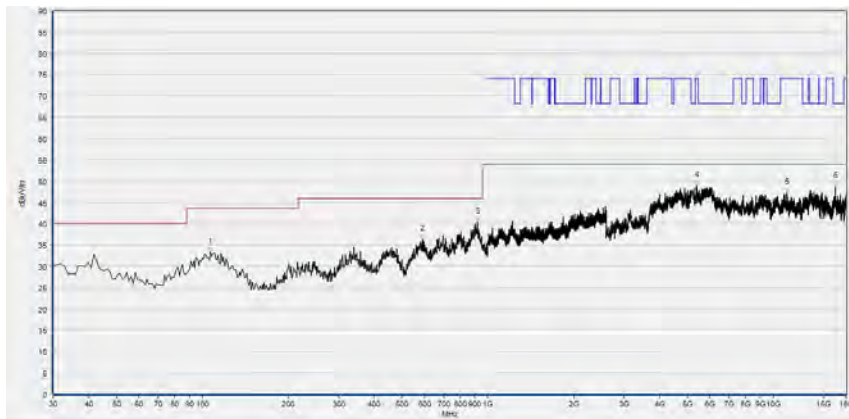


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.649	33.83	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
560.150	35.43	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
922.322	38.93	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2115.572	43.02	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5840.808	49.66	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13465.333	48.02	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

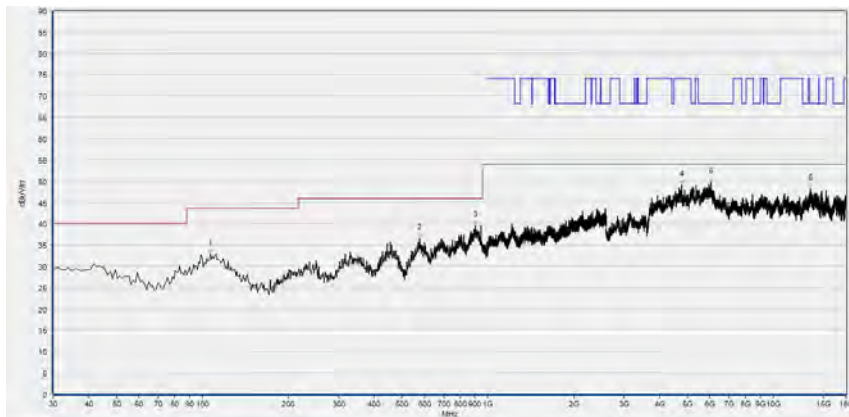
**802.11ac (VHT80) Mode**

Plot for Channel 42



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.707	33.31	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
589.279	36.37	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
919.409	40.36	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5387.958	48.93	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11167.193	47.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16462.773	48.83	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

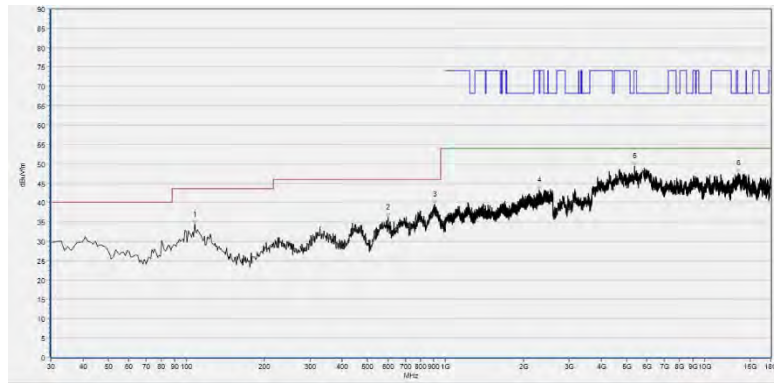


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.707	32.93	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
577.628	36.59	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
903.874	39.50	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4768.754	49.14	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6044.129	49.85	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13468.414	48.21	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

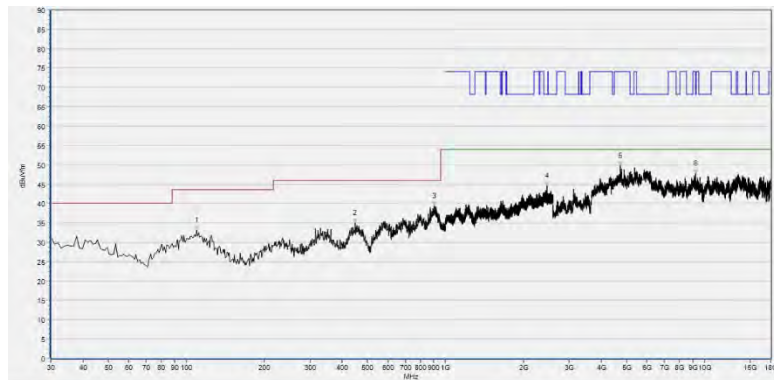


Plot for Channel 155



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.678	34.28	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
600.931	36.19	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
908.729	39.51	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2296.966	43.31	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5363.313	49.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13496.139	47.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.620	33.12	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
448.488	34.97	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
903.874	39.37	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2461.287	44.55	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4734.867	49.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9244.889	47.78	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

— END OF REPORT —