

FCC ID WiFi 5.8G Test data

FCC ID:2BMR6-W30

Product : Window Cam W30
Model Name : W30, W30A, W30B, W30C, W30D, W30F, W30G, W30M, W30S, W30W
Brand : N/A
Report No. : NCT26037367XE1-3

Prepared for

MEGA MULTIMEDIA AI, INC.

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Prepared by

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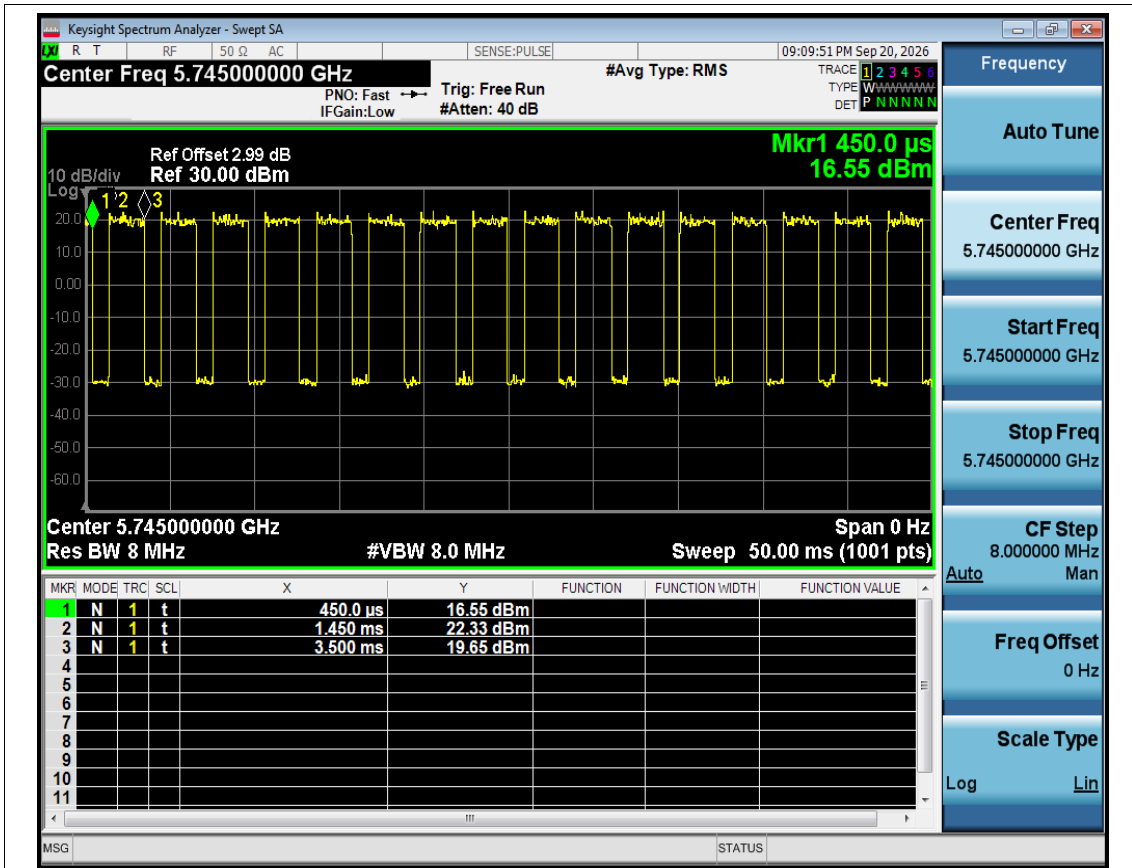
TEL: 400-8868-419

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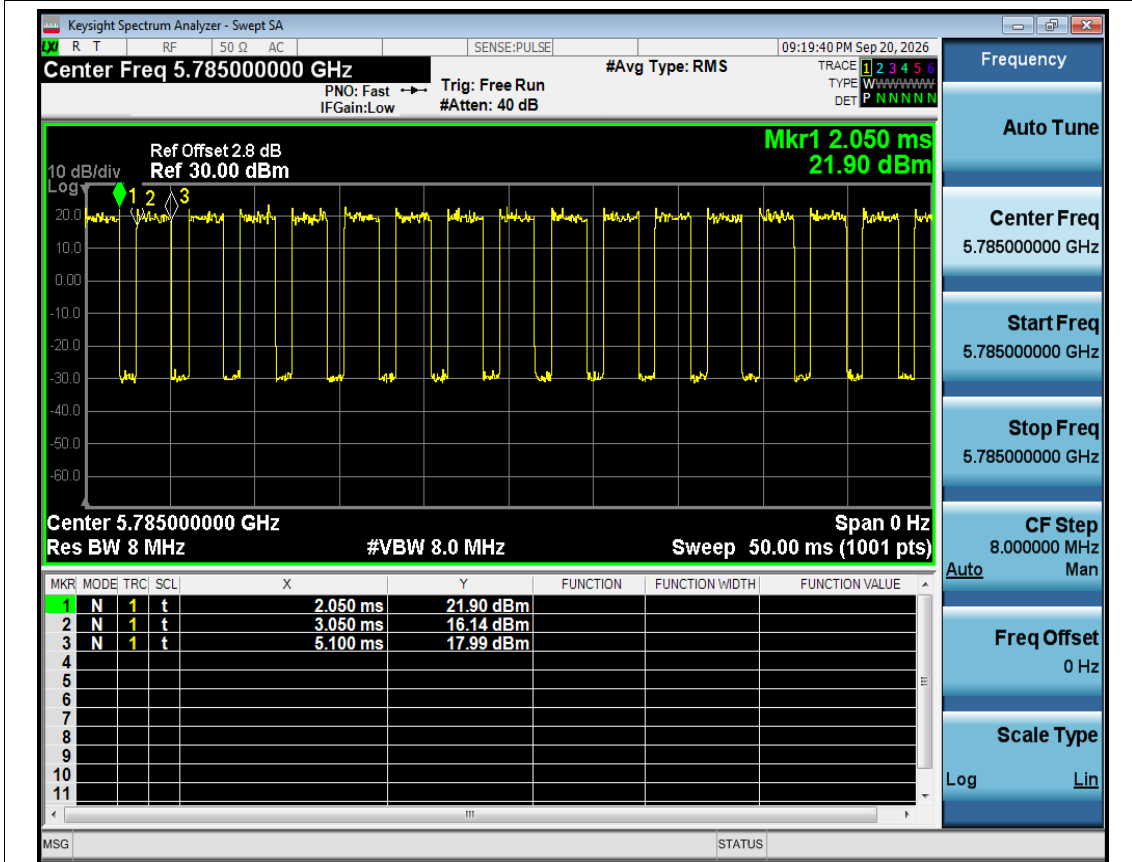
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Duty Cycle

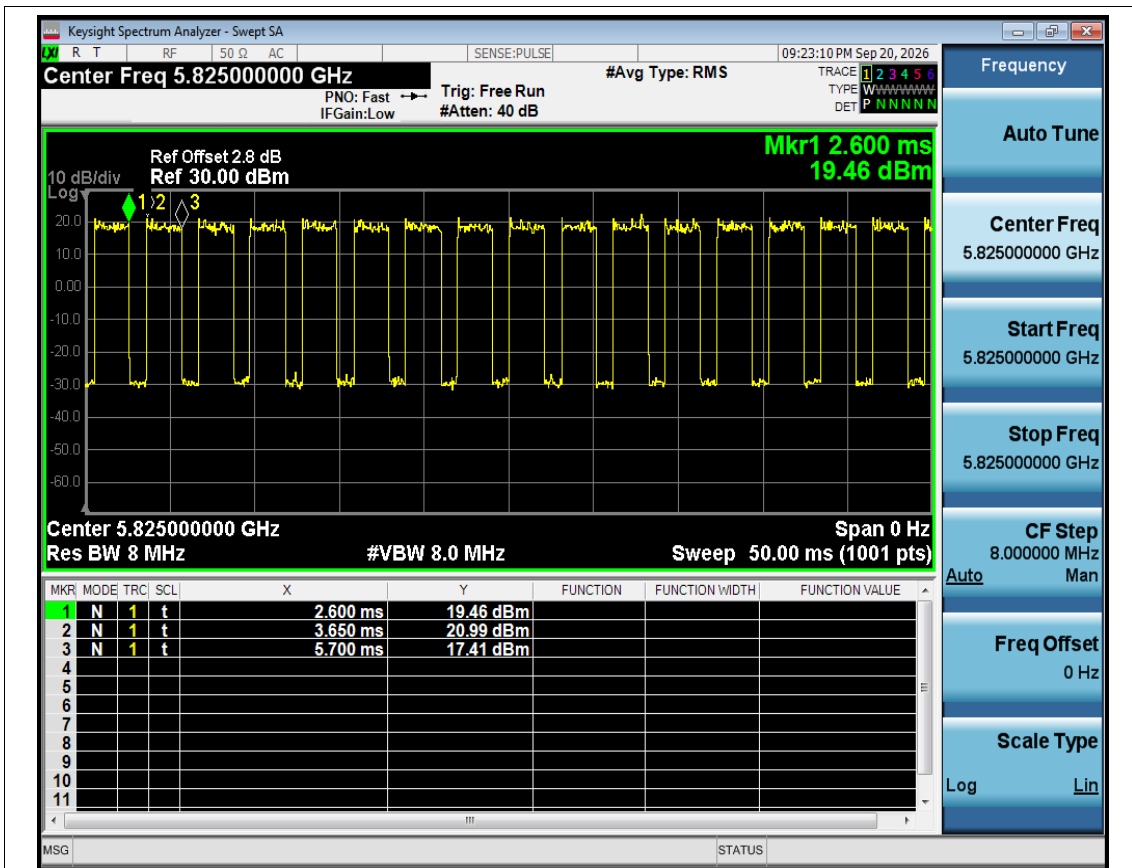
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	67.21	1.73	0.49
NVNT	a	5785	Ant1	67.21	1.73	0.49
NVNT	a	5825	Ant1	66.13	1.8	0.49
NVNT	n20	5745	Ant1	64.41	1.91	0.53
NVNT	n20	5785	Ant1	64.41	1.91	0.53
NVNT	n20	5825	Ant1	64.41	1.91	0.53
NVNT	n40	5755	Ant1	48.72	3.12	1.05
NVNT	n40	5795	Ant1	48.72	3.12	1.05
NVNT	ac20	5745	Ant1	65.52	1.84	0.53
NVNT	ac20	5785	Ant1	64.41	1.91	0.53
NVNT	ac20	5825	Ant1	65.52	1.84	0.53
NVNT	ac40	5755	Ant1	46.15	3.36	1.11
NVNT	ac40	5795	Ant1	48.72	3.12	1.05
NVNT	ax20	5745	Ant1	60	2.22	0.67
NVNT	ax20	5785	Ant1	59.18	2.28	0.69
NVNT	ax20	5825	Ant1	60	2.22	0.67
NVNT	ax40	5755	Ant1	41.67	3.8	1.33
NVNT	ax40	5795	Ant1	41.67	3.8	1.33



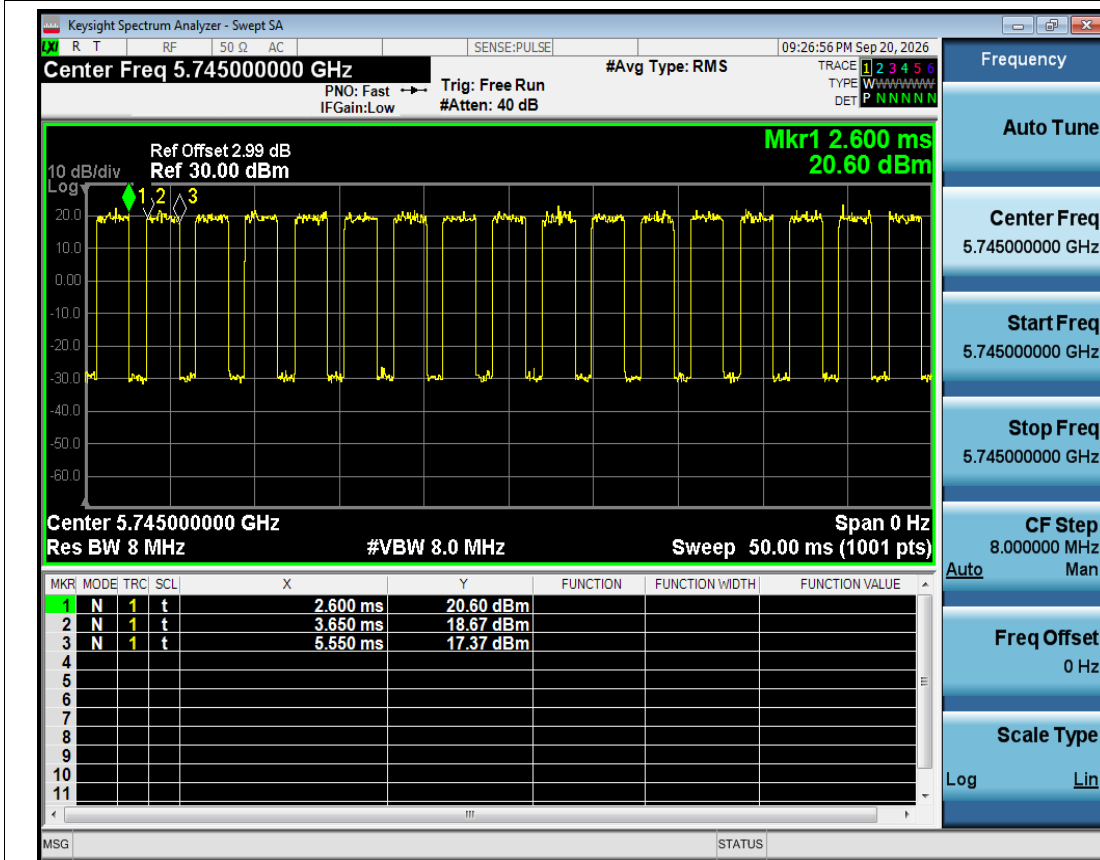
Duty Cycle NVNT a 5745MHz Ant1



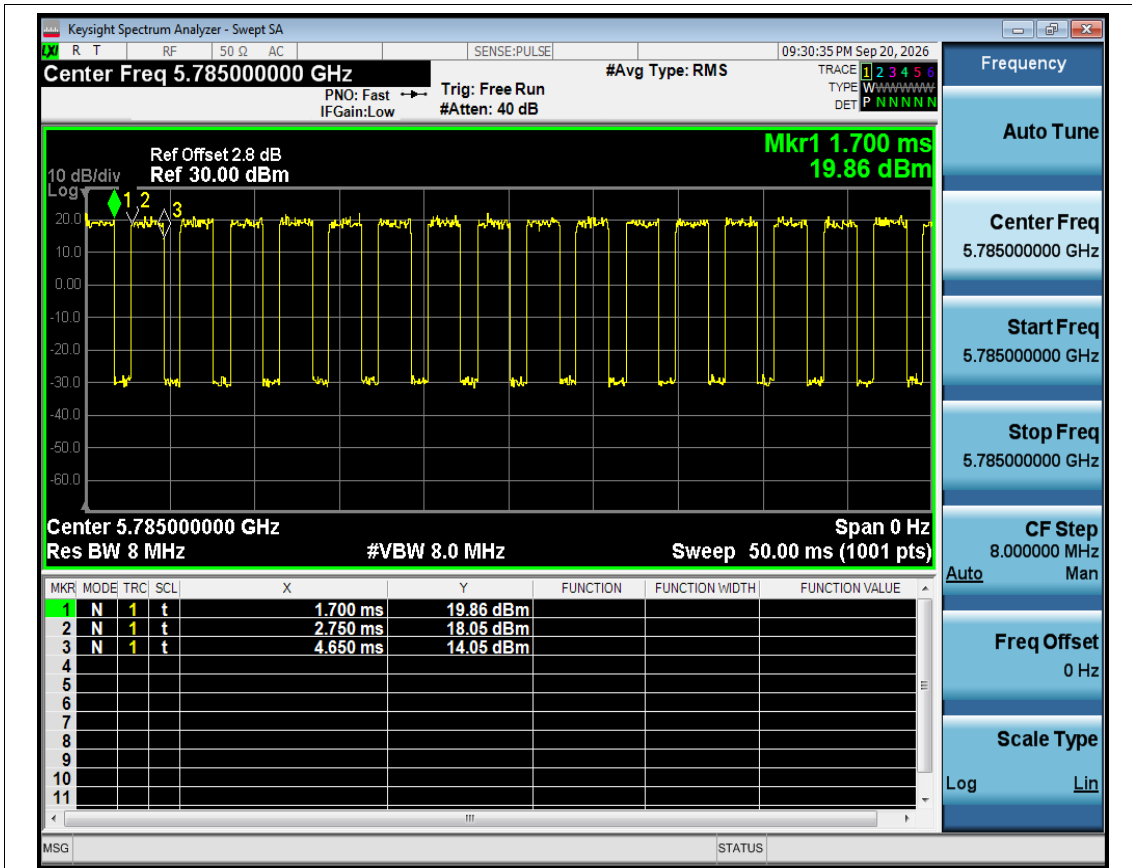
Duty Cycle NVNT a 5785MHz Ant1



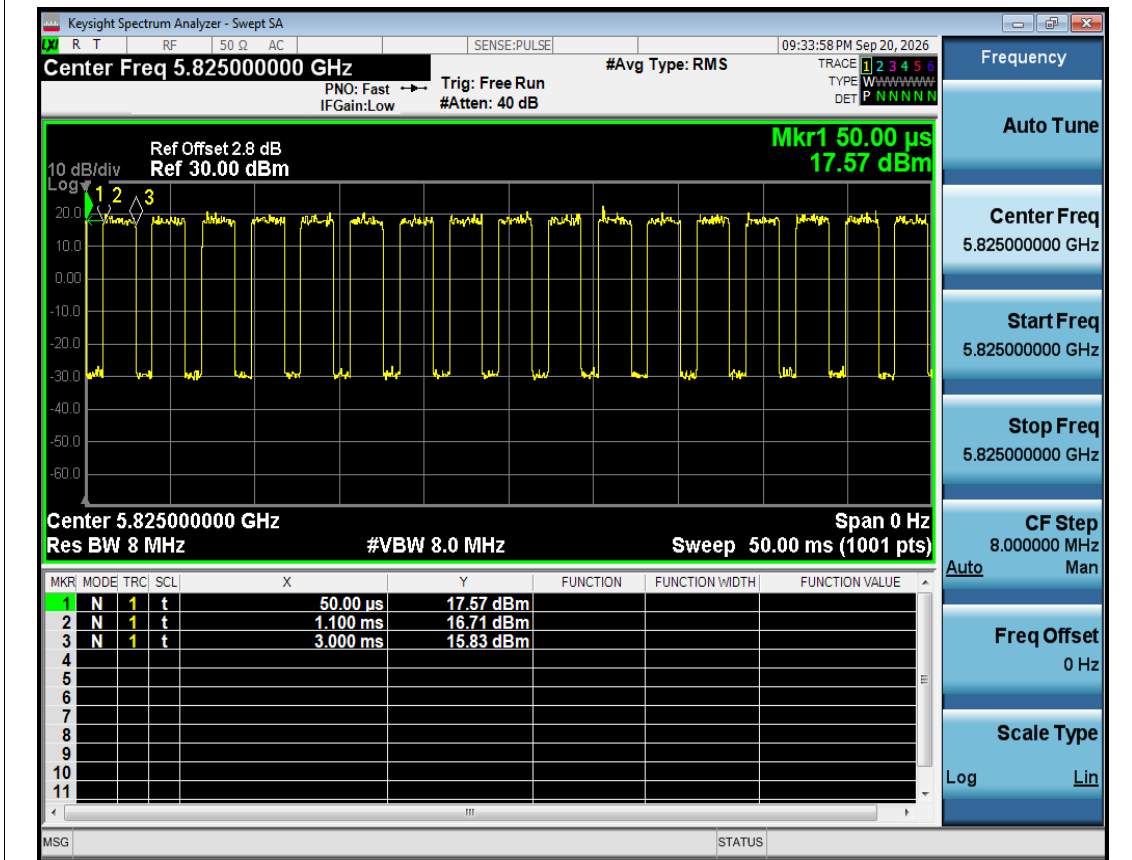
Duty Cycle NVNT a 5825MHz Ant1



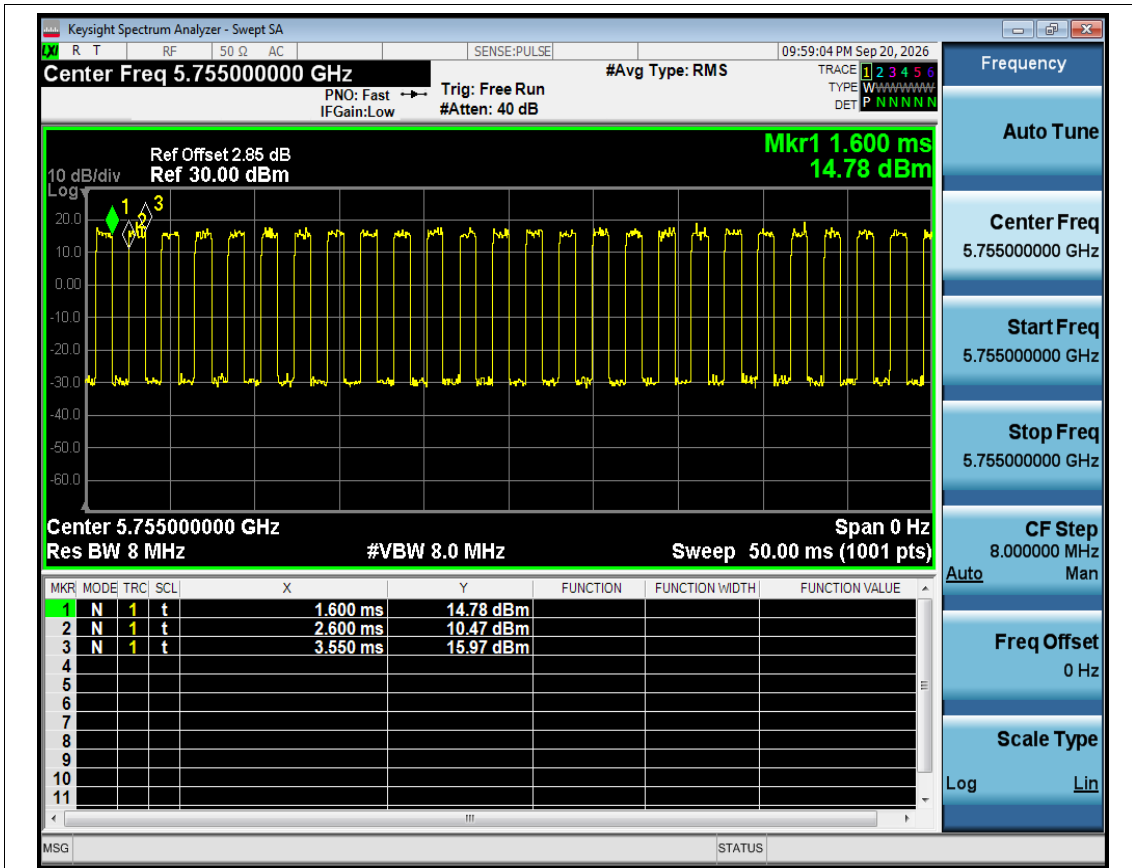
Duty Cycle NVNT n20 5745MHz Ant1



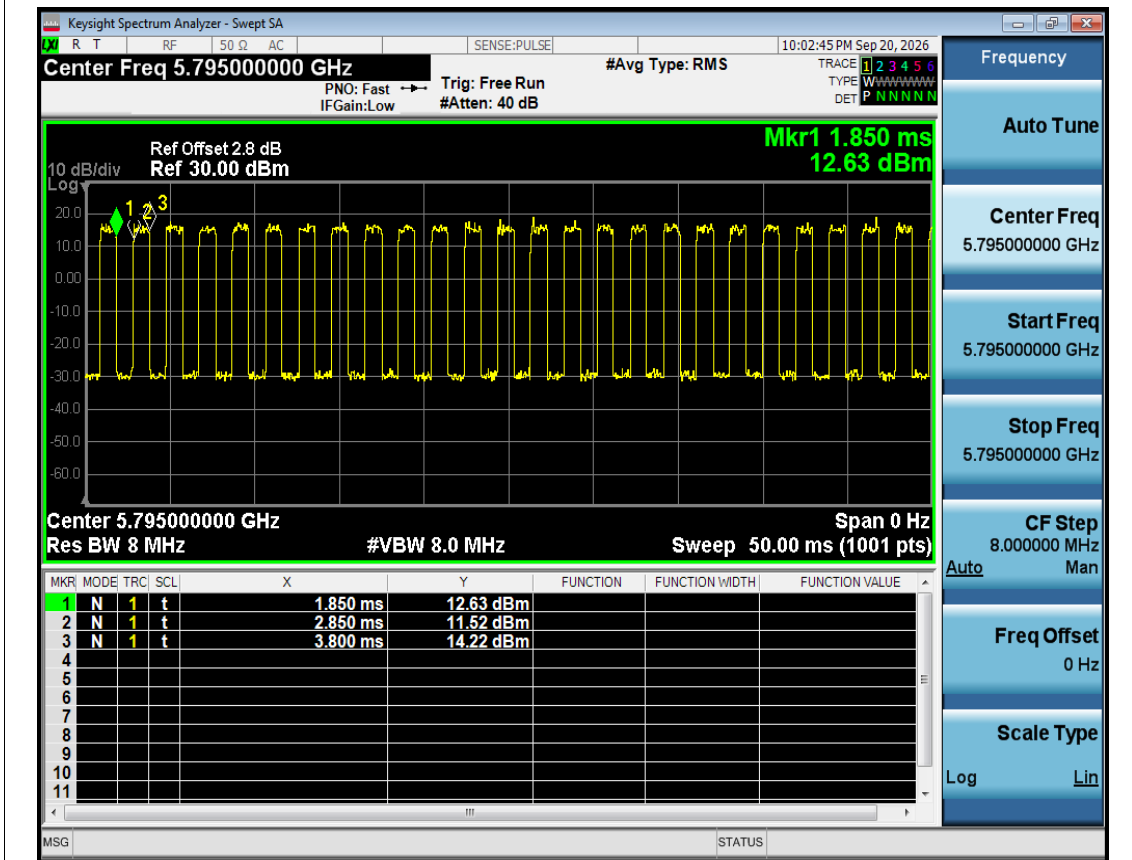
Duty Cycle NVNT n20 5785MHz Ant1



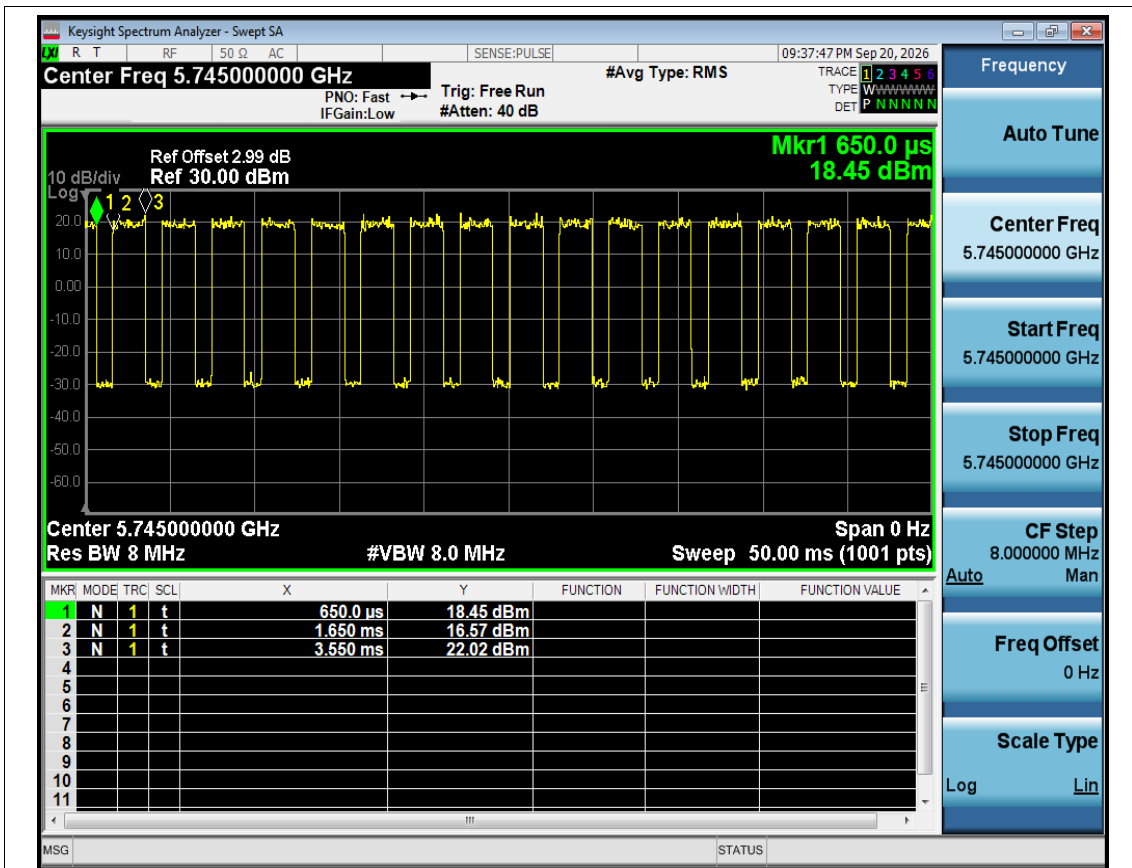
Duty Cycle NVNT n20 5825MHz Ant1



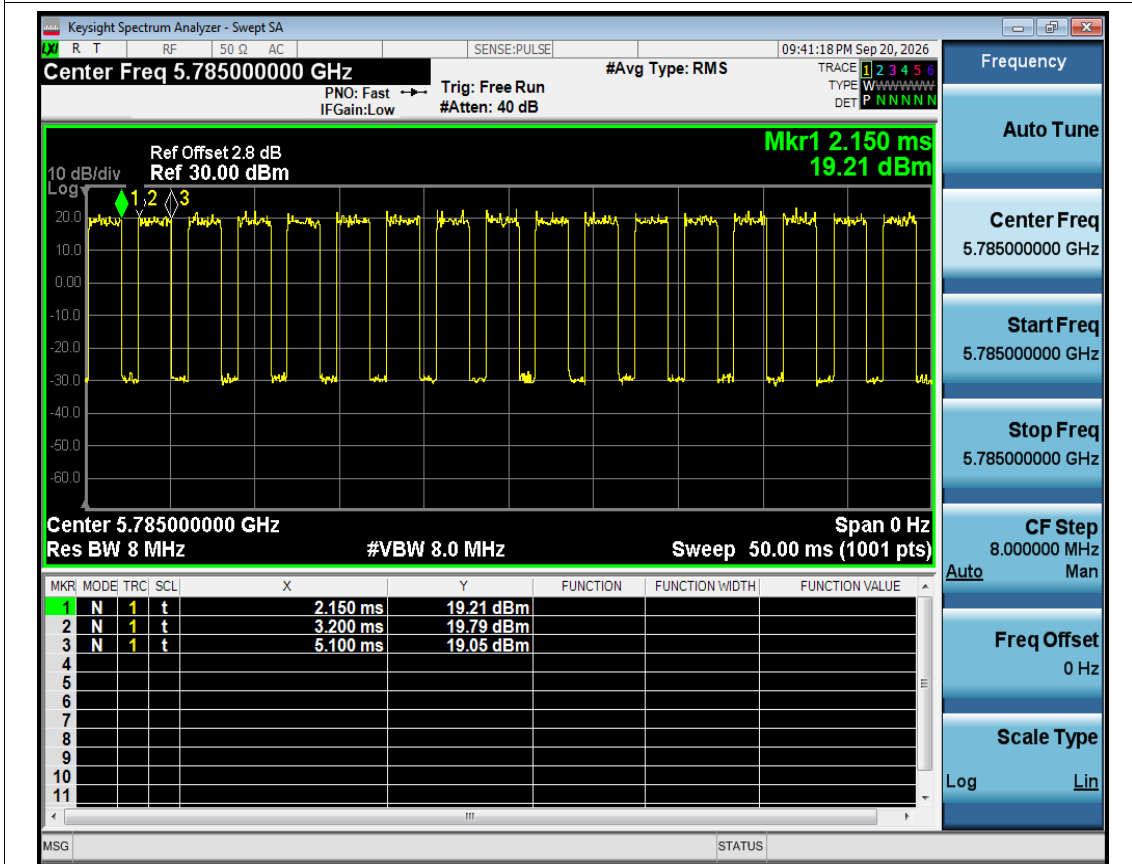
Duty Cycle NVNT n40 5755MHz Ant1



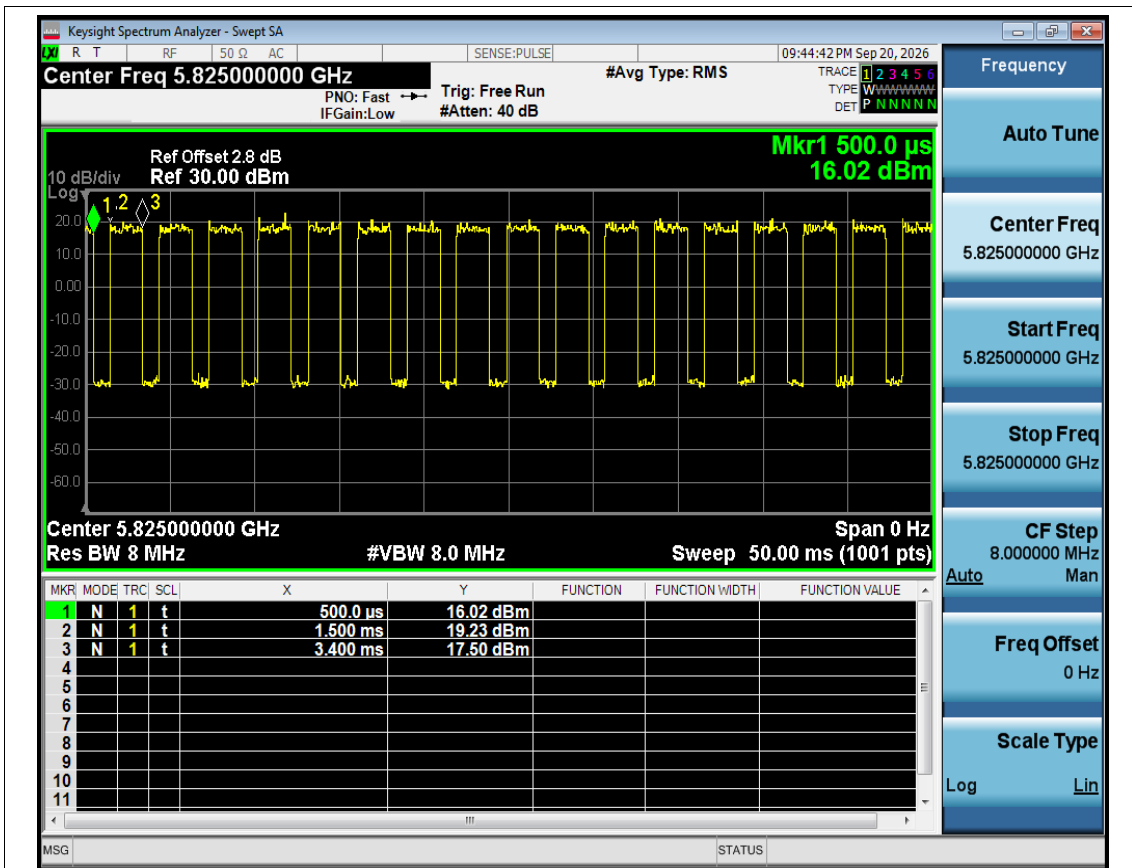
Duty Cycle NVNT n40 5795MHz Ant1



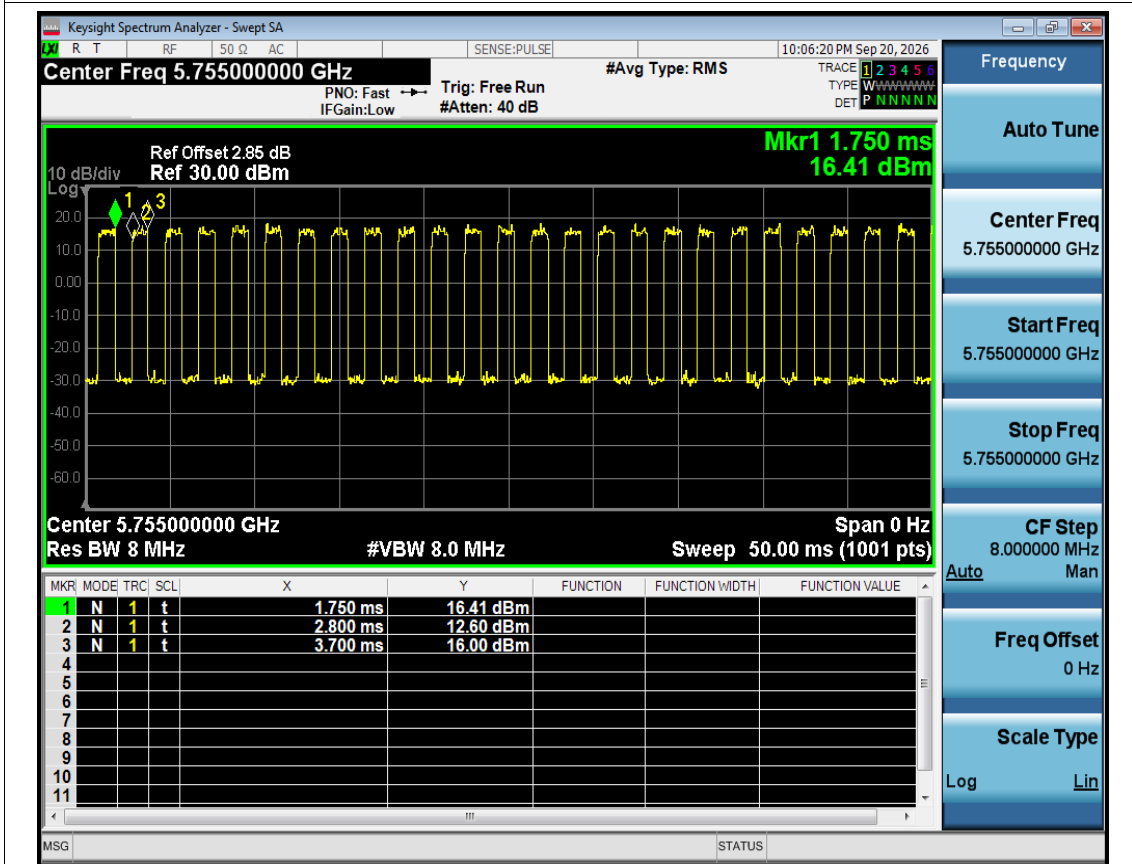
Duty Cycle NVNT ac20 5745MHz Ant1



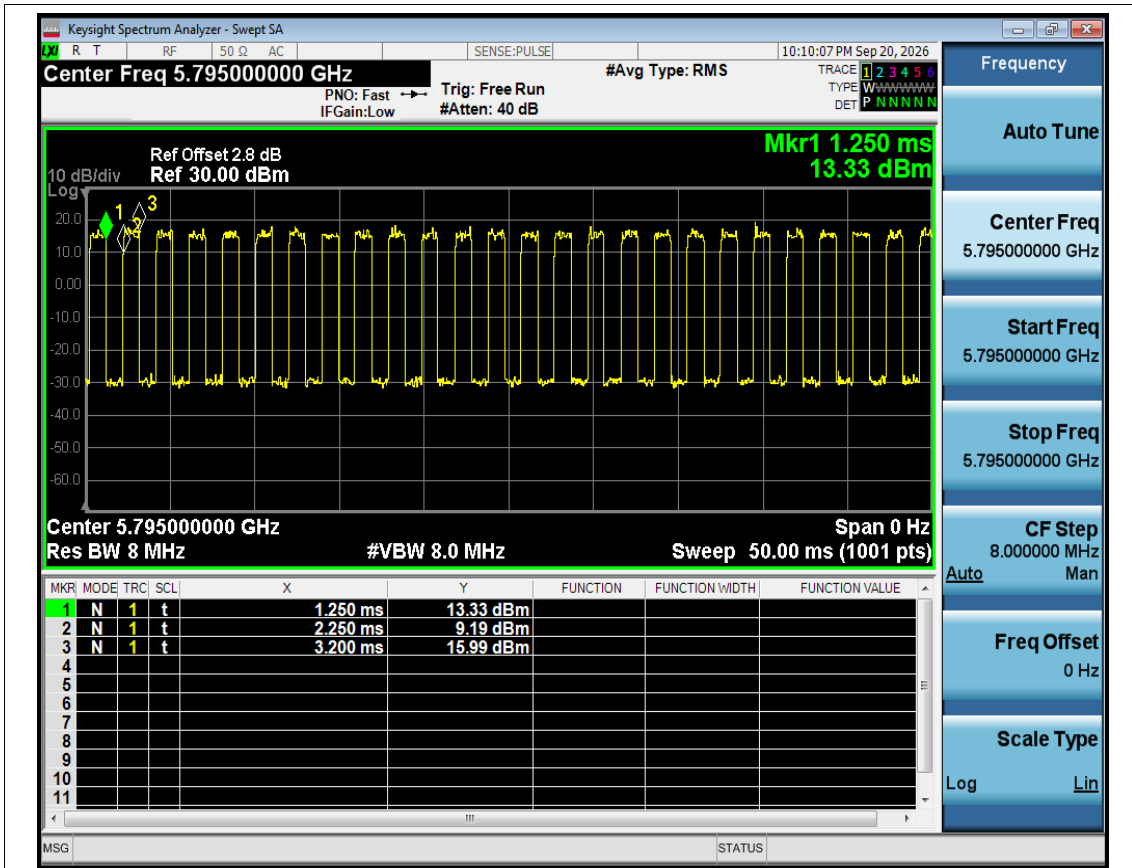
Duty Cycle NVNT ac20 5785MHz Ant1



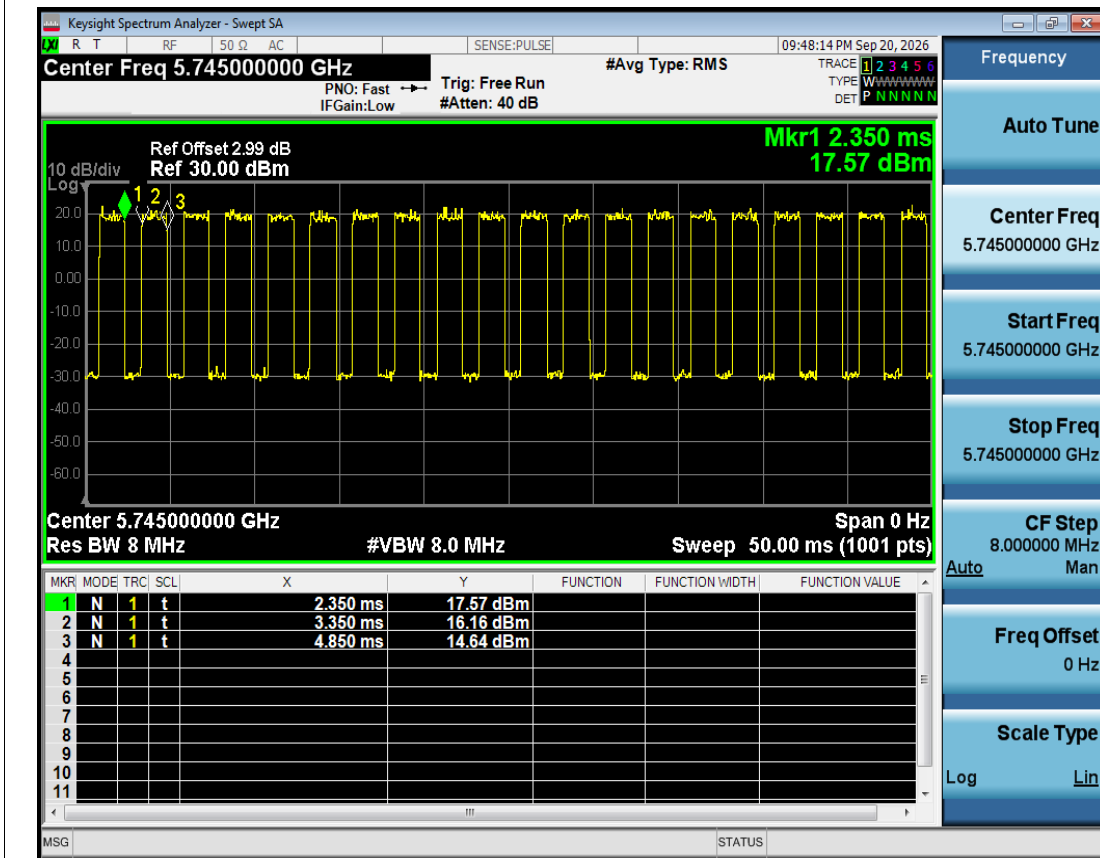
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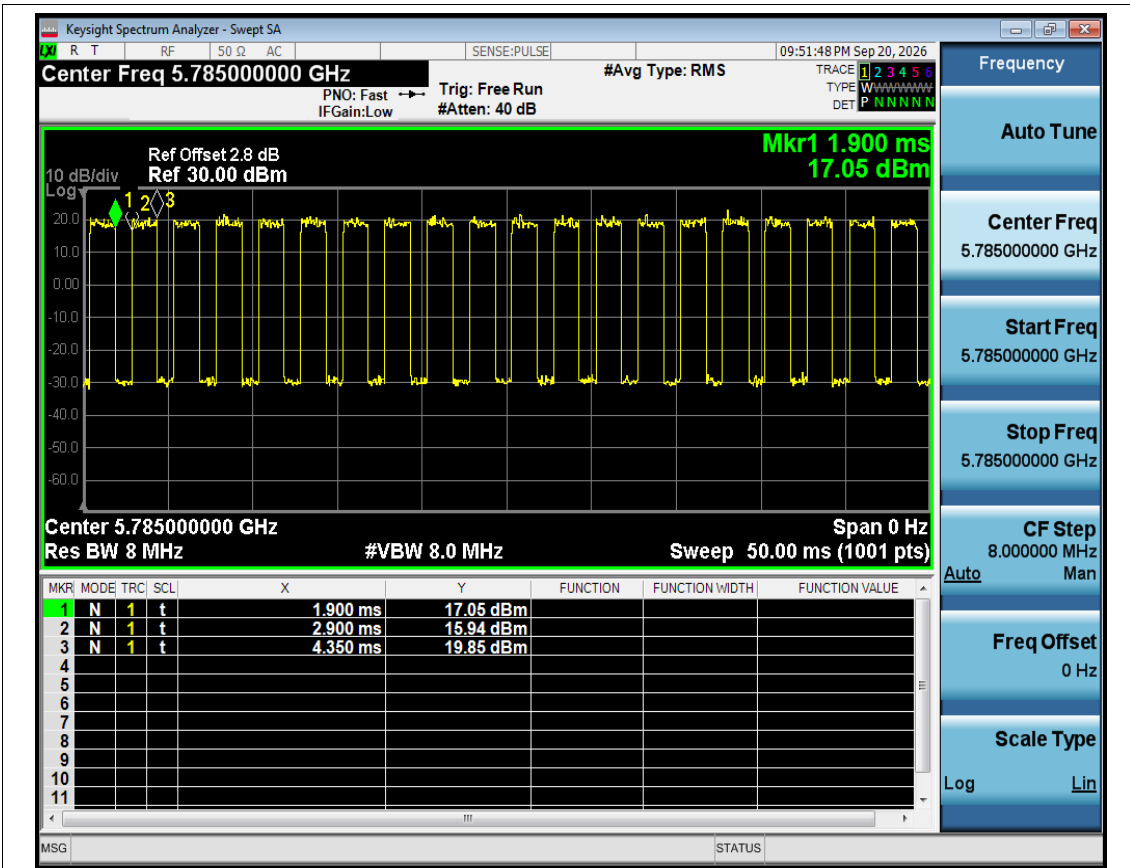
Duty Cycle NVNT ac40 5755MHz Ant1



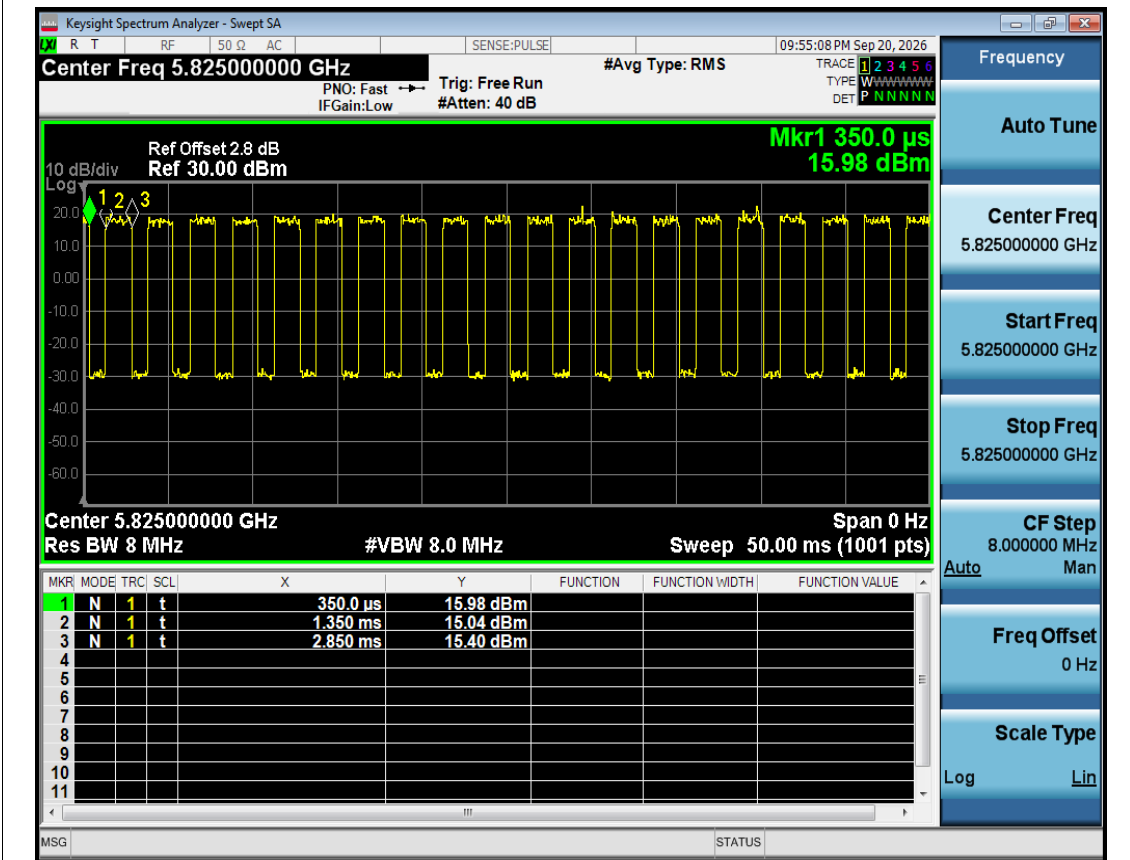
Duty Cycle NVNT ac40 5795MHz Ant1



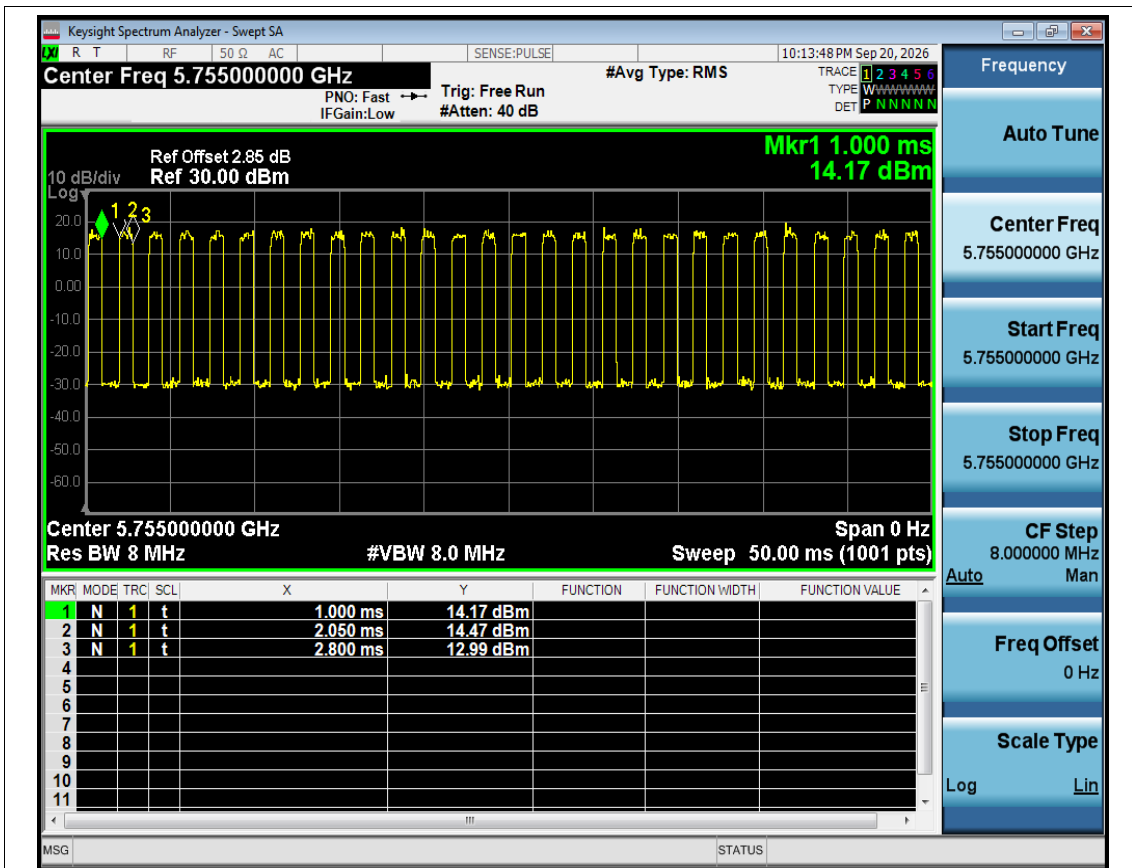
Duty Cycle NVNT ax20 5745MHz Ant1



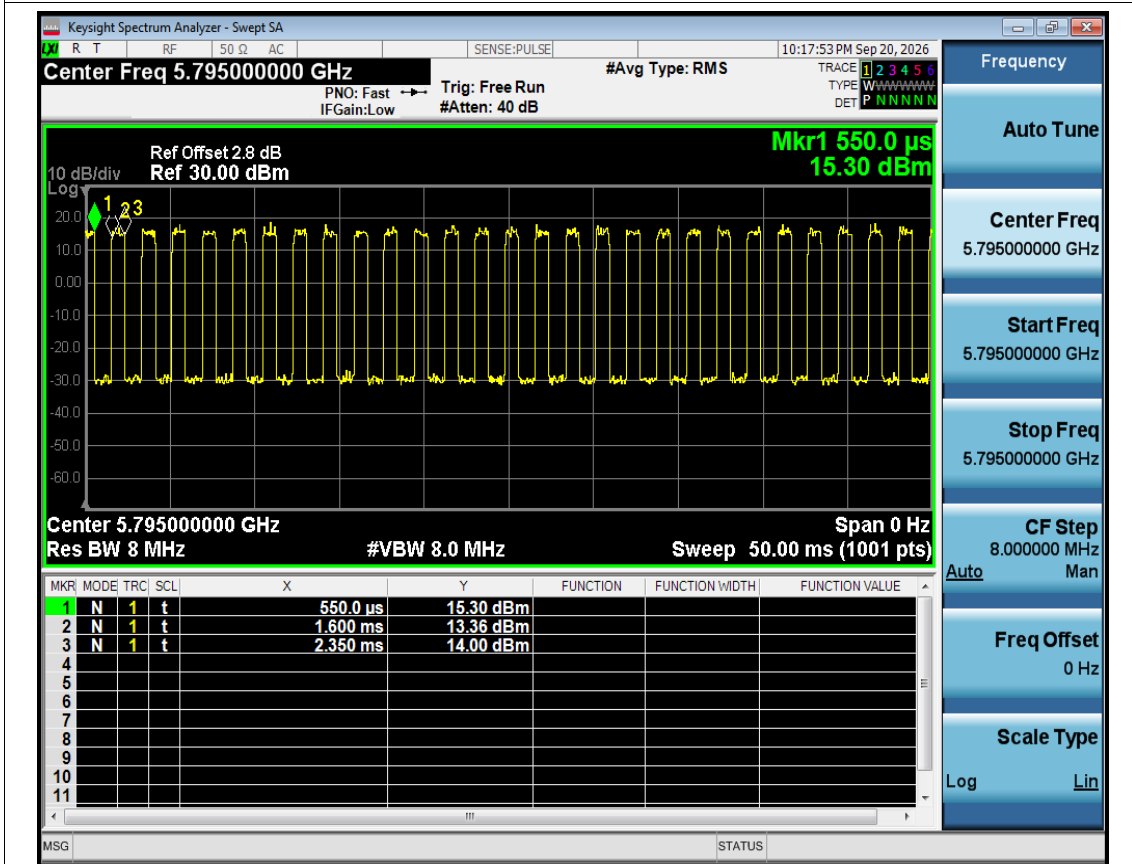
Duty Cycle NVNT ax20 5785MHz Ant1



Duty Cycle NVNT ax20 5825MHz Ant1



Duty Cycle NVNT ax40 5755MHz Ant1



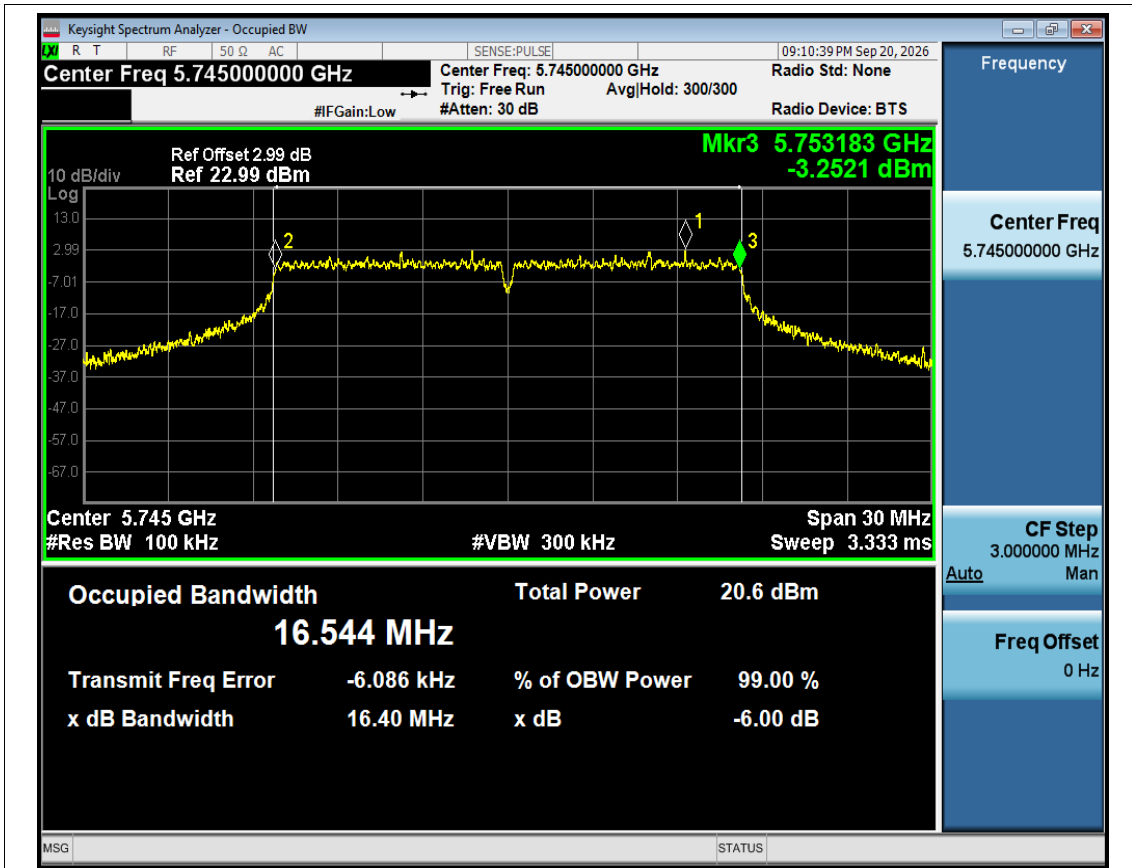
Duty Cycle NVNT ax40 5795MHz Ant1

Maximum Conducted Output Power

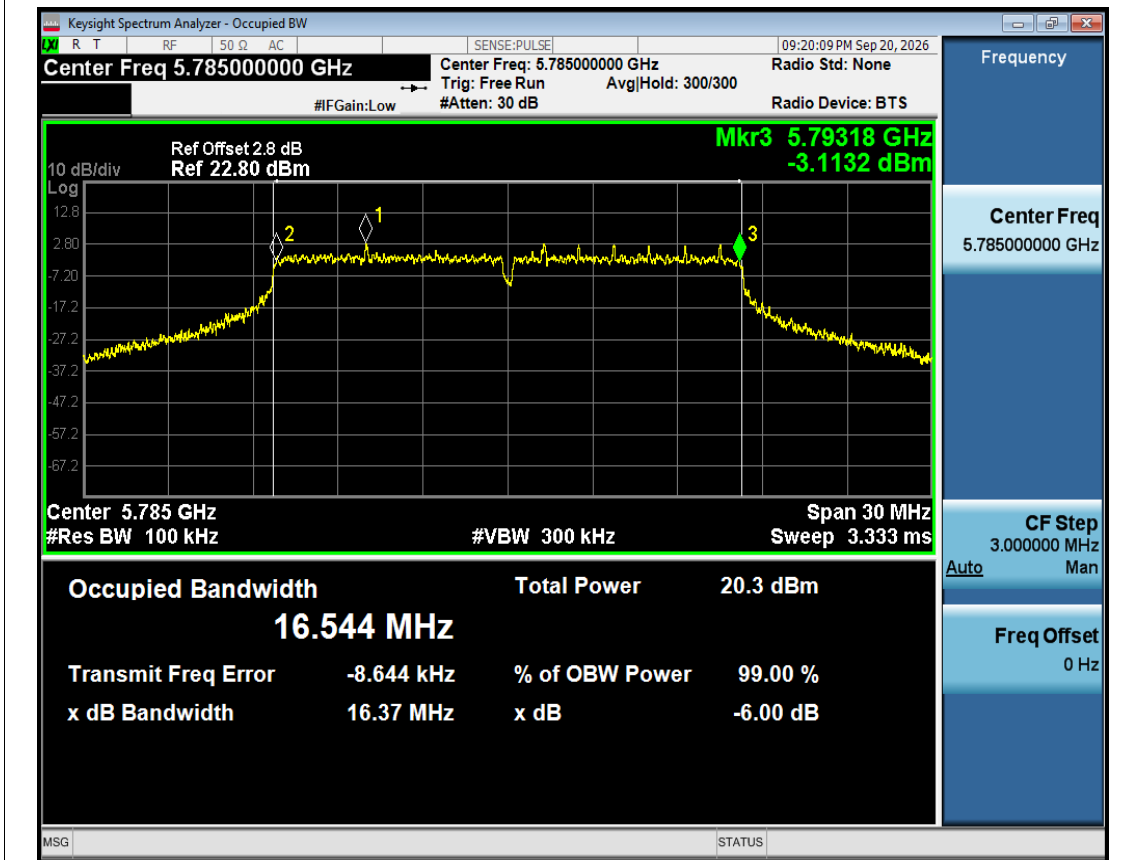
Condition	Mode	Frequency (MHz)	Antenna	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted(dBm)	Verdict
NVNT	a	5745	Ant1	14.67	0.02931	30	Pass
NVNT	a	5785	Ant1	13.99	0.02506	30	Pass
NVNT	a	5825	Ant1	12.98	0.01986	30	Pass
NVNT	n20	5745	Ant1	14.68	0.02938	30	Pass
NVNT	n20	5785	Ant1	14.1	0.0257	30	Pass
NVNT	n20	5825	Ant1	13.31	0.02143	30	Pass
NVNT	n40	5755	Ant1	14.28	0.02679	30	Pass
NVNT	n40	5795	Ant1	14.2	0.0263	30	Pass
NVNT	ac20	5745	Ant1	13.66	0.02323	30	Pass
NVNT	ac20	5785	Ant1	13.43	0.02203	30	Pass
NVNT	ac20	5825	Ant1	12.84	0.01923	30	Pass
NVNT	ac40	5755	Ant1	14.49	0.02812	30	Pass
NVNT	ac40	5795	Ant1	14.38	0.02742	30	Pass
NVNT	ax20	5745	Ant1	14.11	0.02576	30	Pass
NVNT	ax20	5785	Ant1	14.14	0.02594	30	Pass
NVNT	ax20	5825	Ant1	12.74	0.01879	30	Pass
NVNT	ax40	5755	Ant1	14.57	0.02864	30	Pass
NVNT	ax40	5795	Ant1	14.48	0.02805	30	Pass
Remark: The final result had added the duty cycle factor.							

-6dB Bandwidth

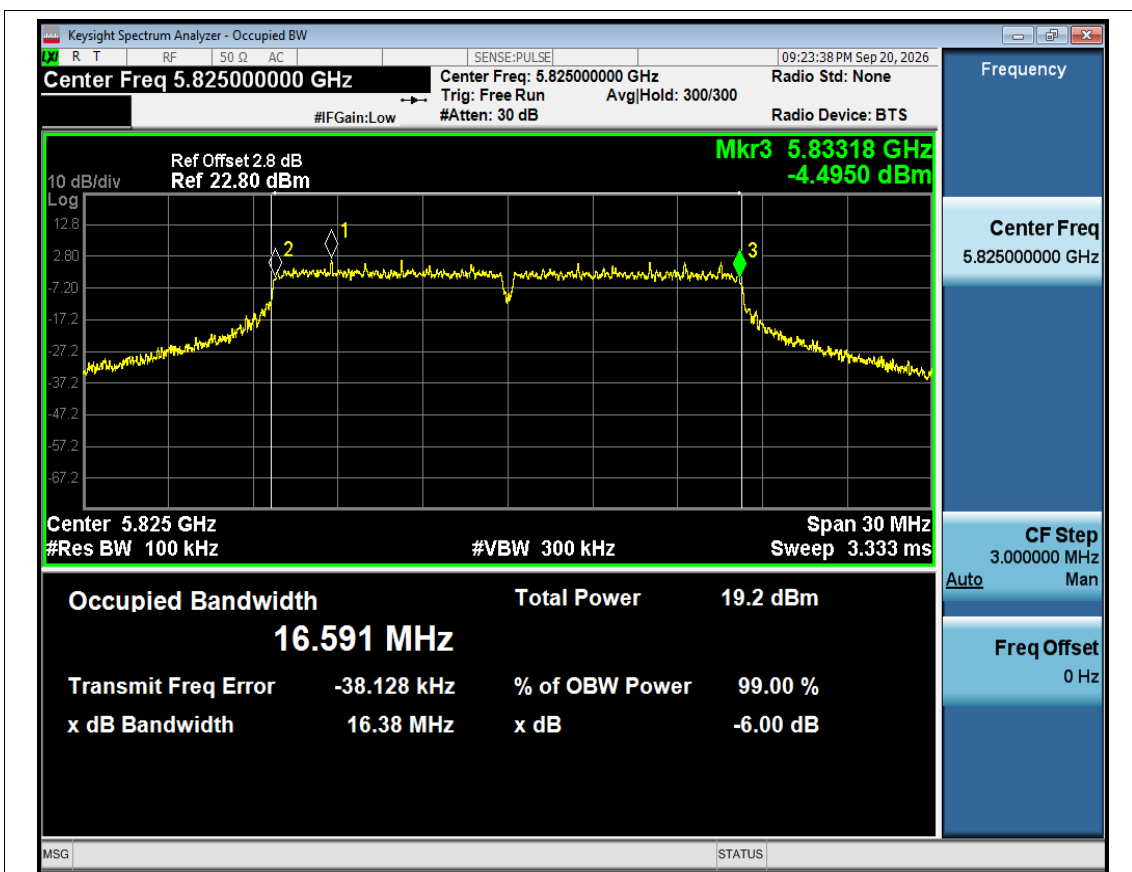
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.4	0.5	Pass
NVNT	a	5785	Ant1	16.37	0.5	Pass
NVNT	a	5825	Ant1	16.38	0.5	Pass
NVNT	n20	5745	Ant1	17.61	0.5	Pass
NVNT	n20	5785	Ant1	17.6	0.5	Pass
NVNT	n20	5825	Ant1	17.57	0.5	Pass
NVNT	n40	5755	Ant1	36.33	0.5	Pass
NVNT	n40	5795	Ant1	36.31	0.5	Pass
NVNT	ac20	5745	Ant1	17.59	0.5	Pass
NVNT	ac20	5785	Ant1	17.58	0.5	Pass
NVNT	ac20	5825	Ant1	17.6	0.5	Pass
NVNT	ac40	5755	Ant1	36.36	0.5	Pass
NVNT	ac40	5795	Ant1	36.32	0.5	Pass
NVNT	ax20	5745	Ant1	18.98	0.5	Pass
NVNT	ax20	5785	Ant1	18.96	0.5	Pass
NVNT	ax20	5825	Ant1	18.95	0.5	Pass
NVNT	ax40	5755	Ant1	38.1	0.5	Pass
NVNT	ax40	5795	Ant1	37.91	0.5	Pass



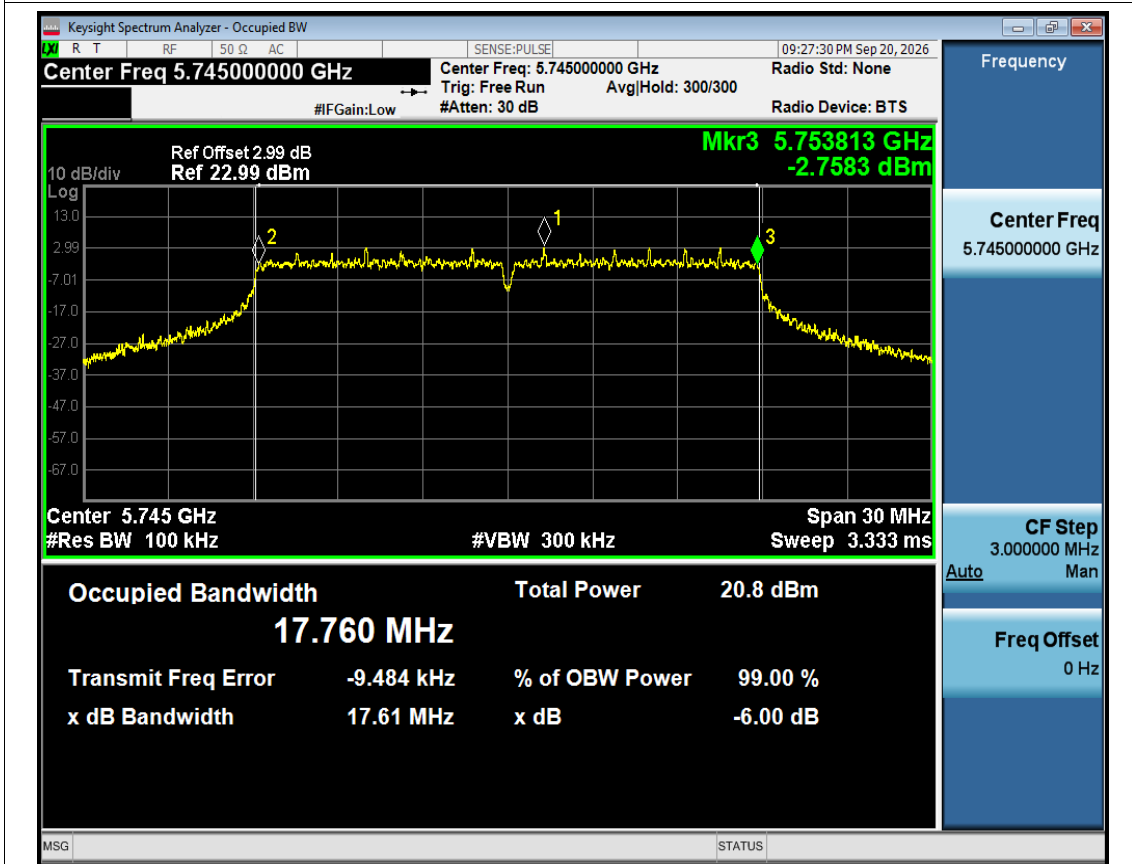
-6dB Bandwidth NVNT a 5745MHz Ant1



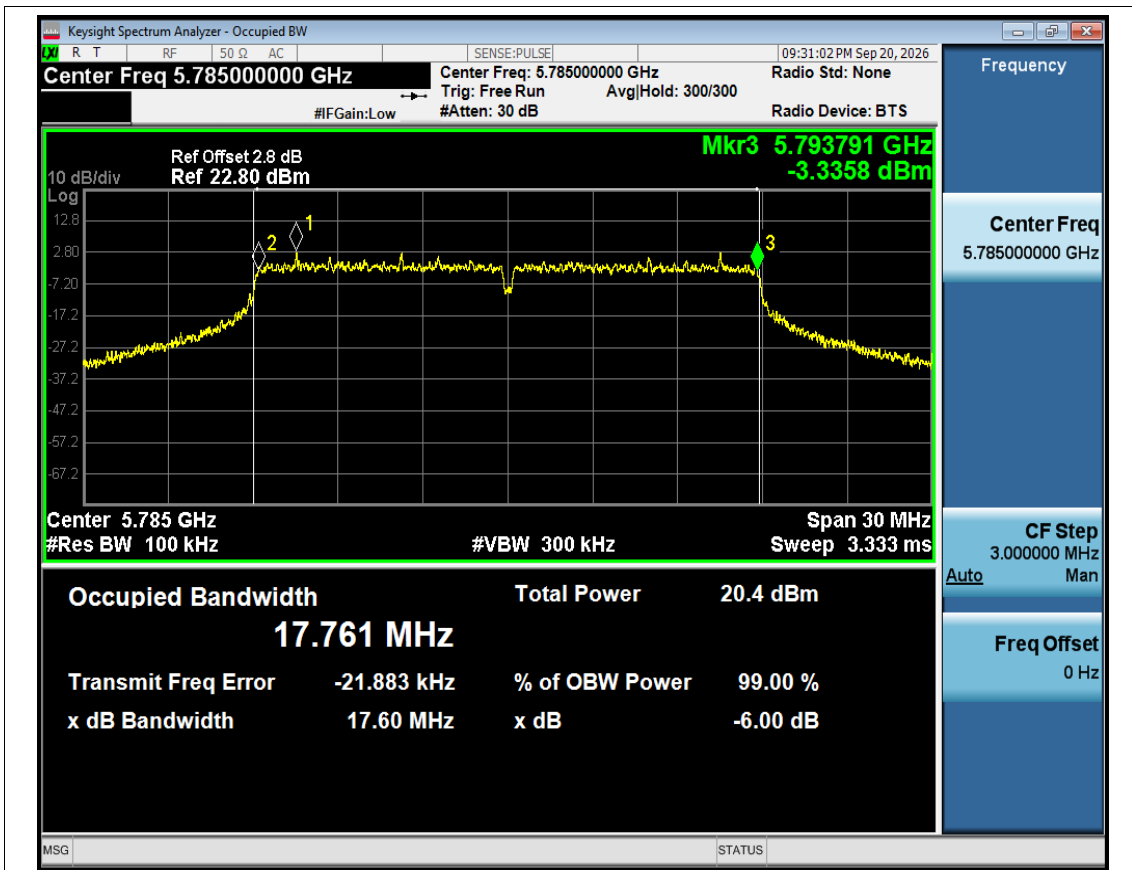
-6dB Bandwidth NVNT a 5785MHz Ant1



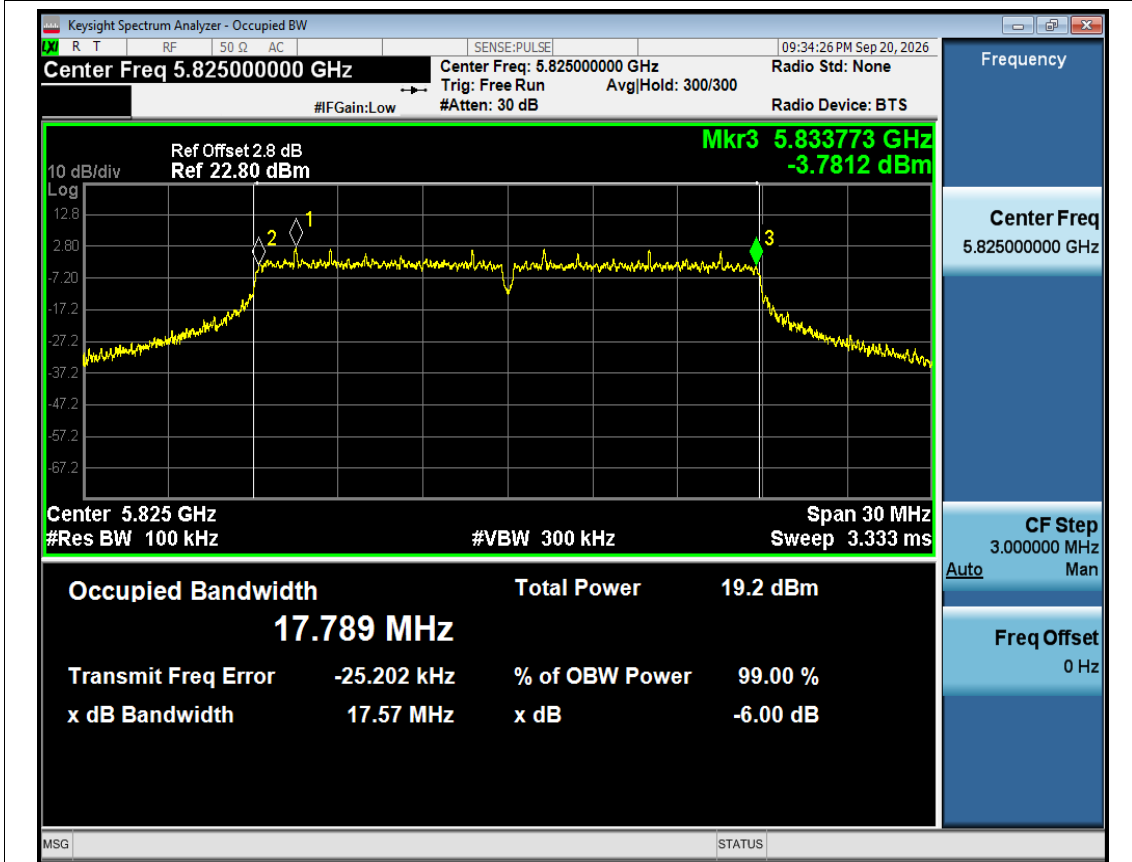
-6dB Bandwidth NVNT a 5825MHz Ant1



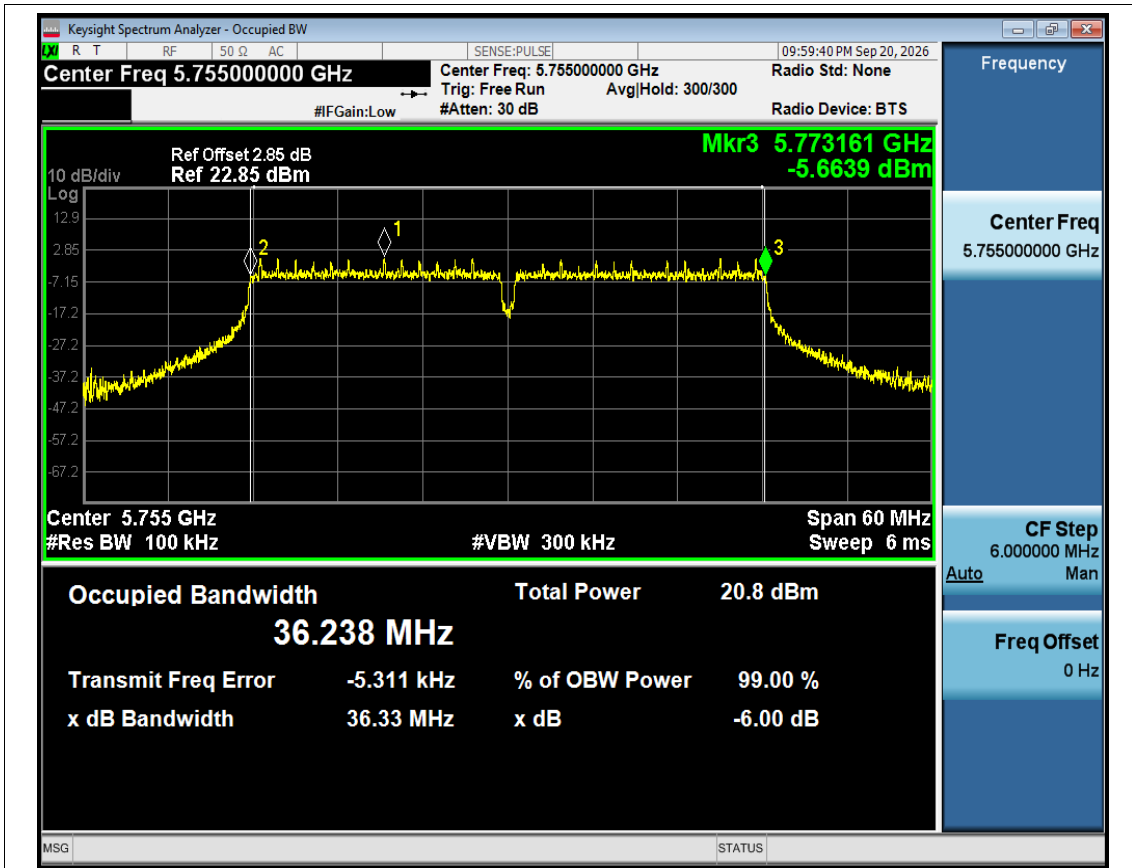
-6dB Bandwidth NVNT n20 5745MHz Ant1



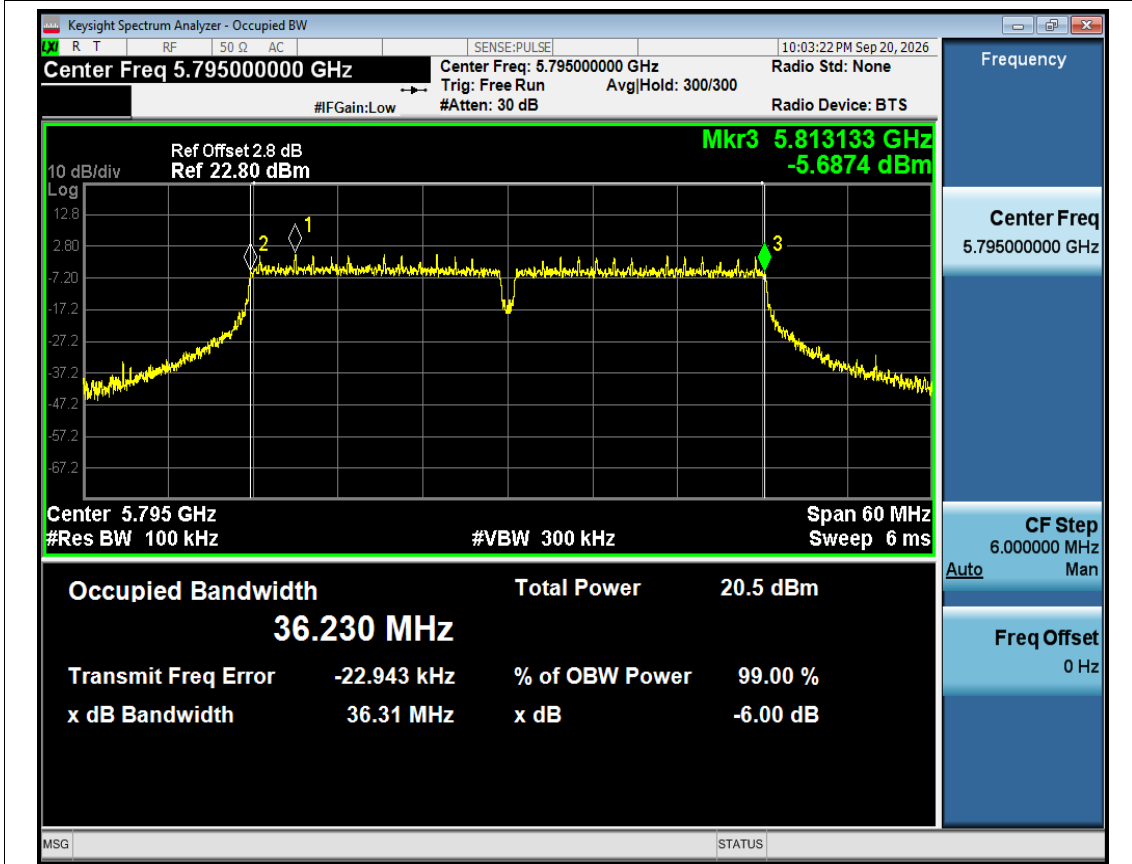
-6dB Bandwidth NVNT n20 5785MHz Ant1



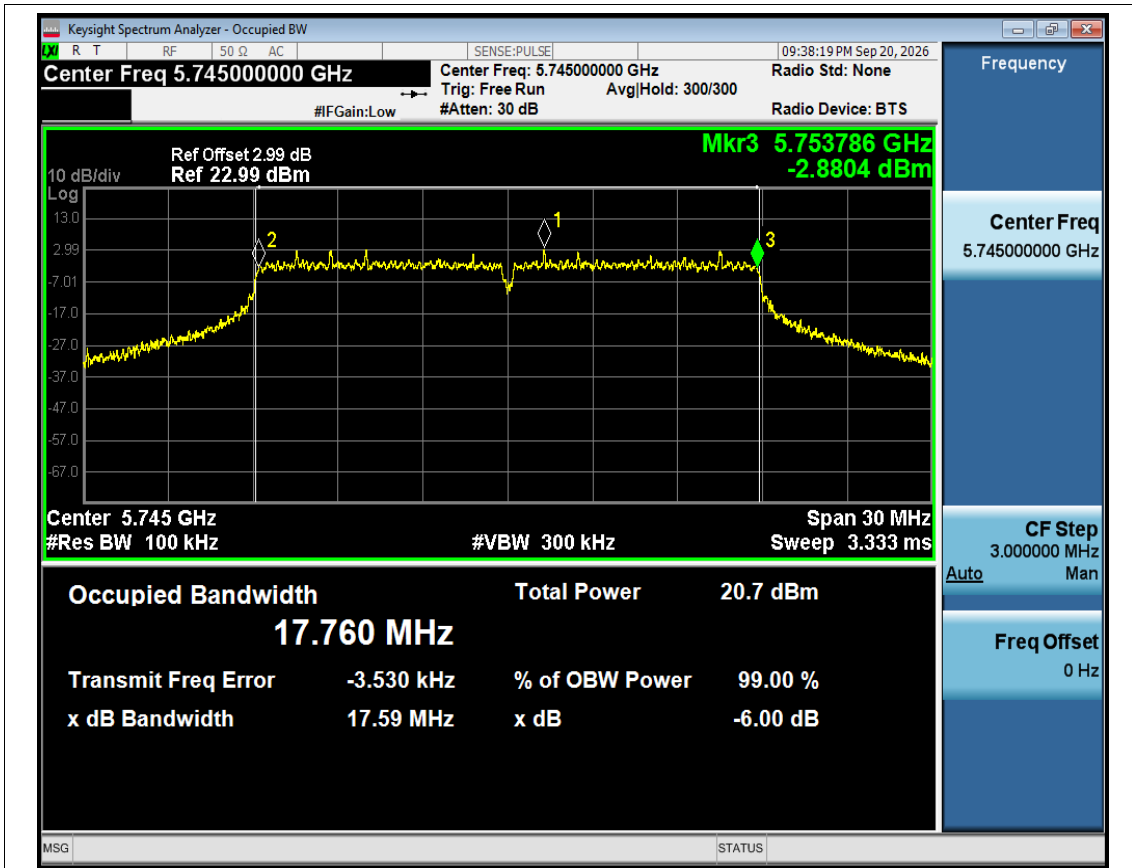
-6dB Bandwidth NVNT n20 5825MHz Ant1



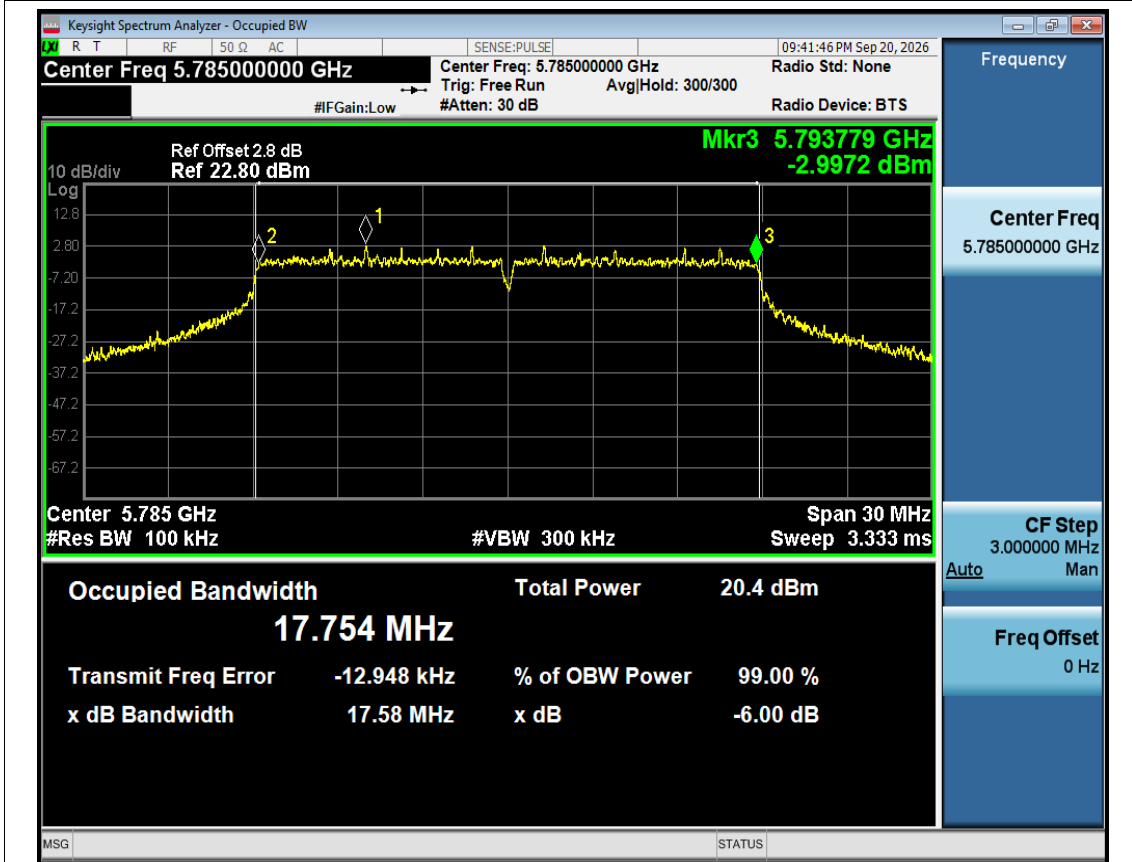
-6dB Bandwidth NVNT n40 5755MHz Ant1



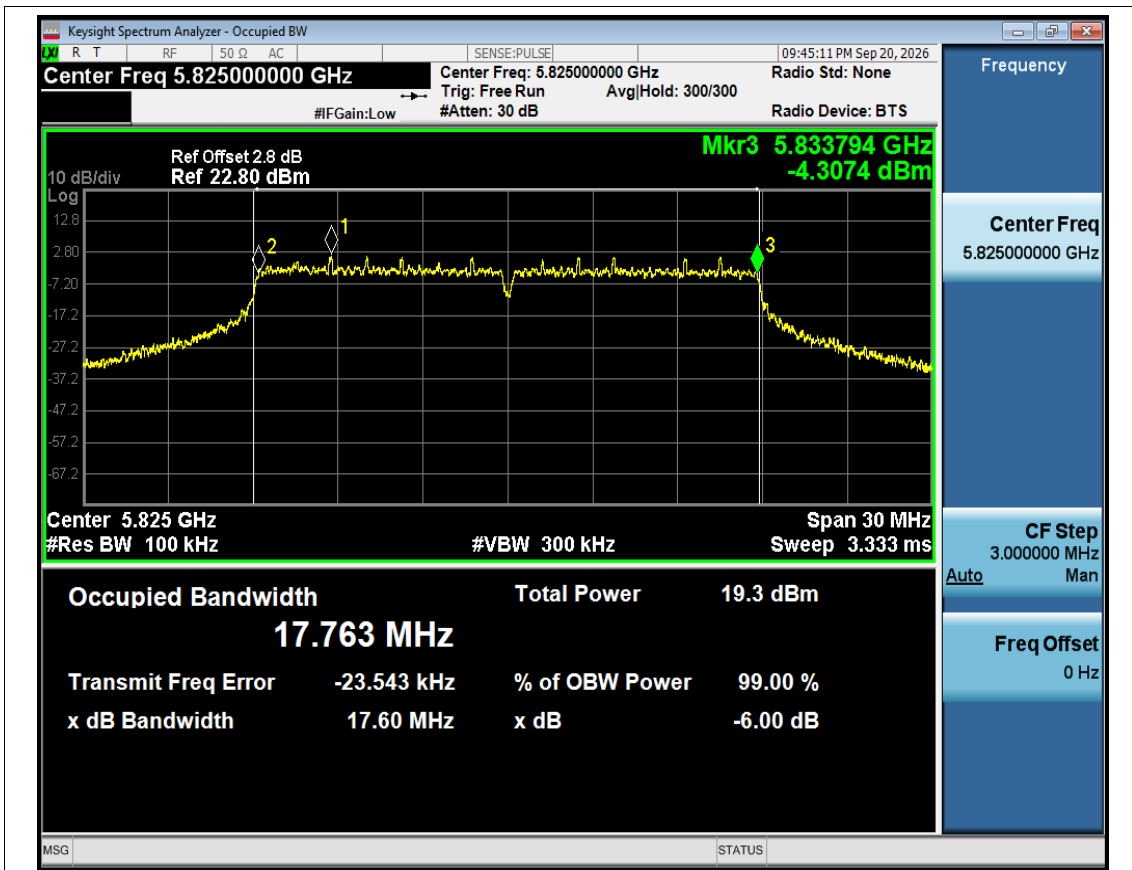
-6dB Bandwidth NVNT n40 5795MHz Ant1



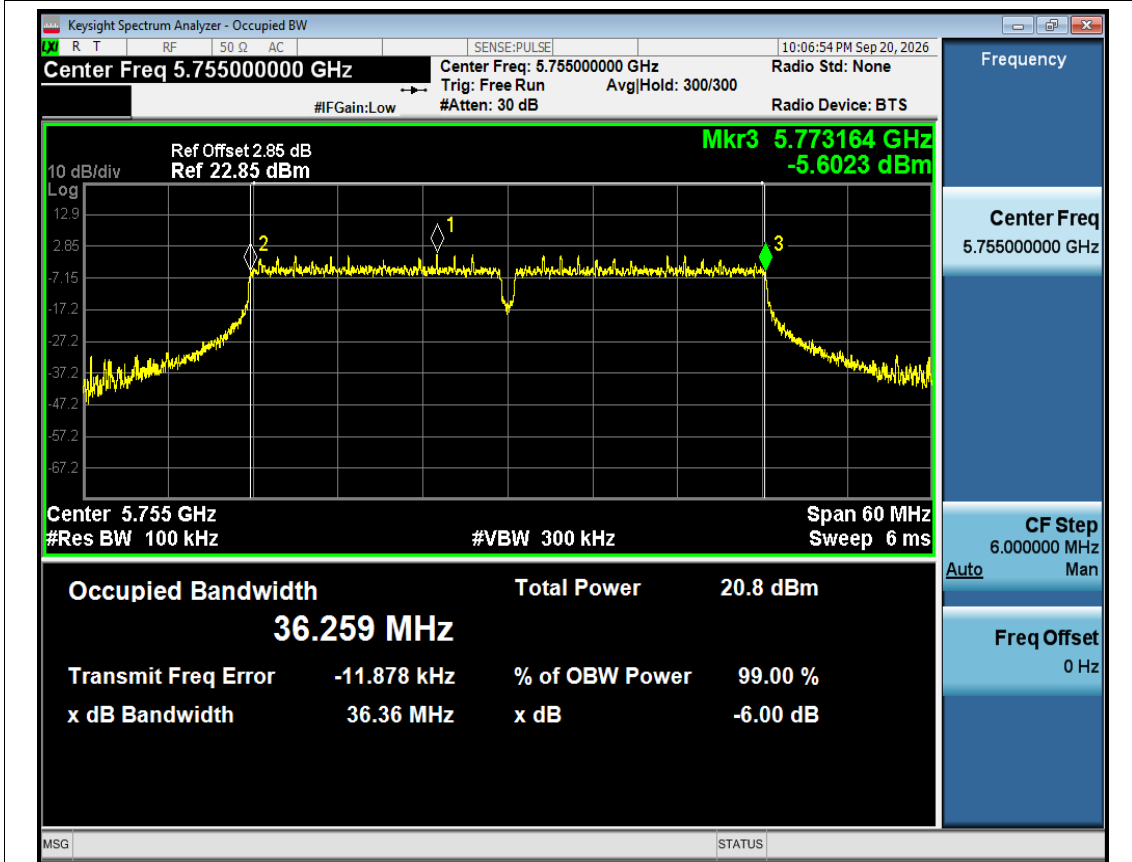
-6dB Bandwidth NVNT ac20 5745MHz Ant1



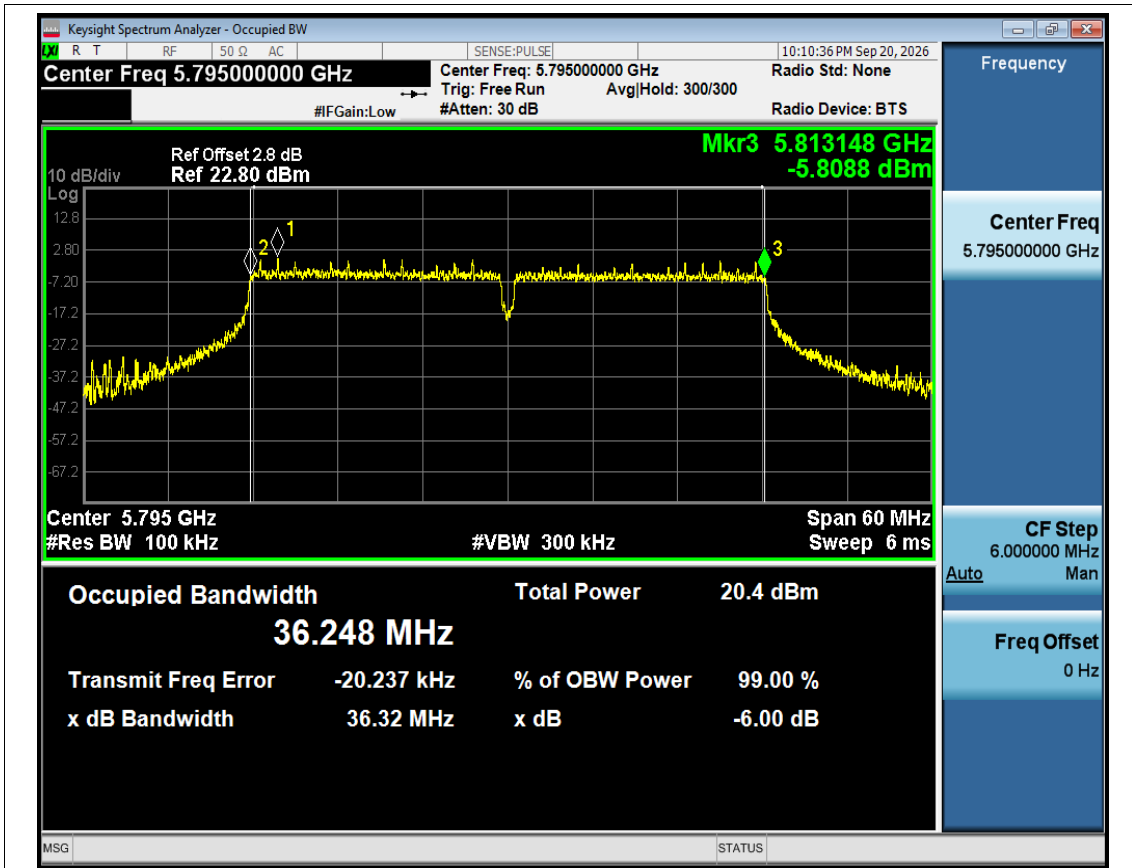
-6dB Bandwidth NVNT ac20 5785MHz Ant1



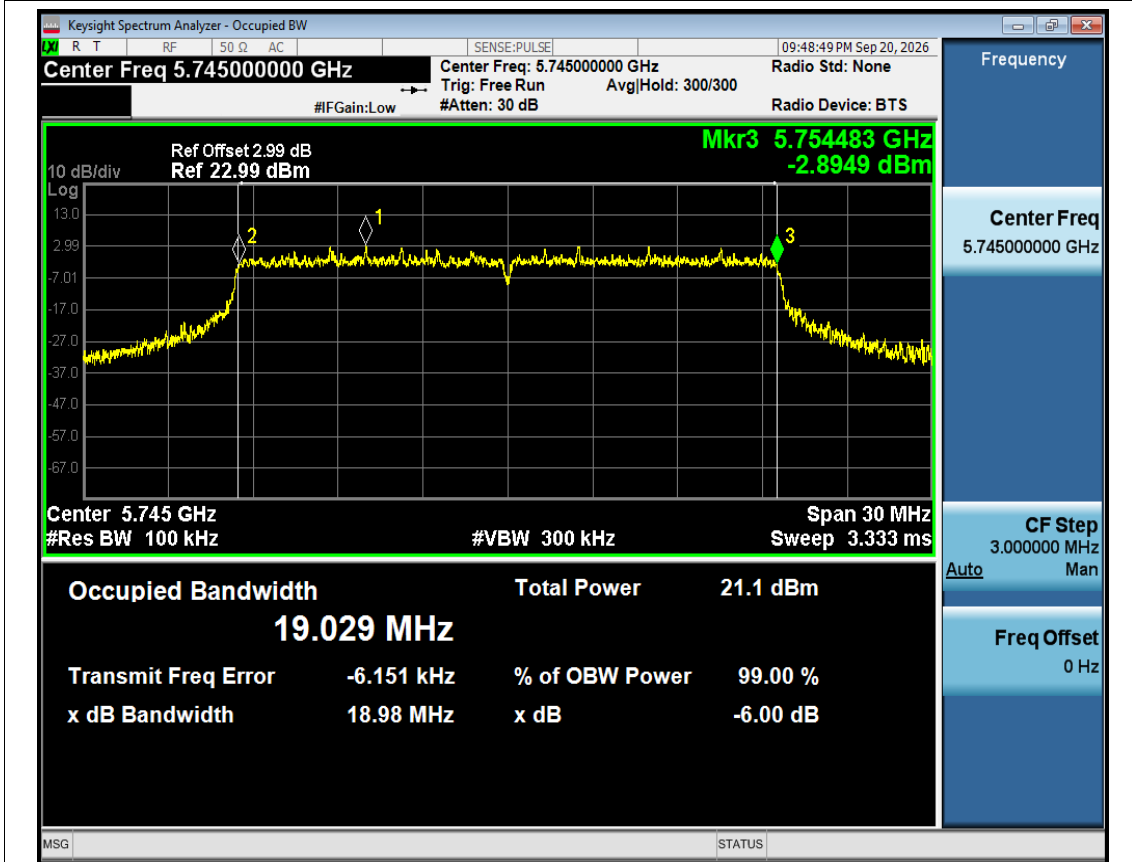
-6dB Bandwidth NVNT ac20 5825MHz Ant1



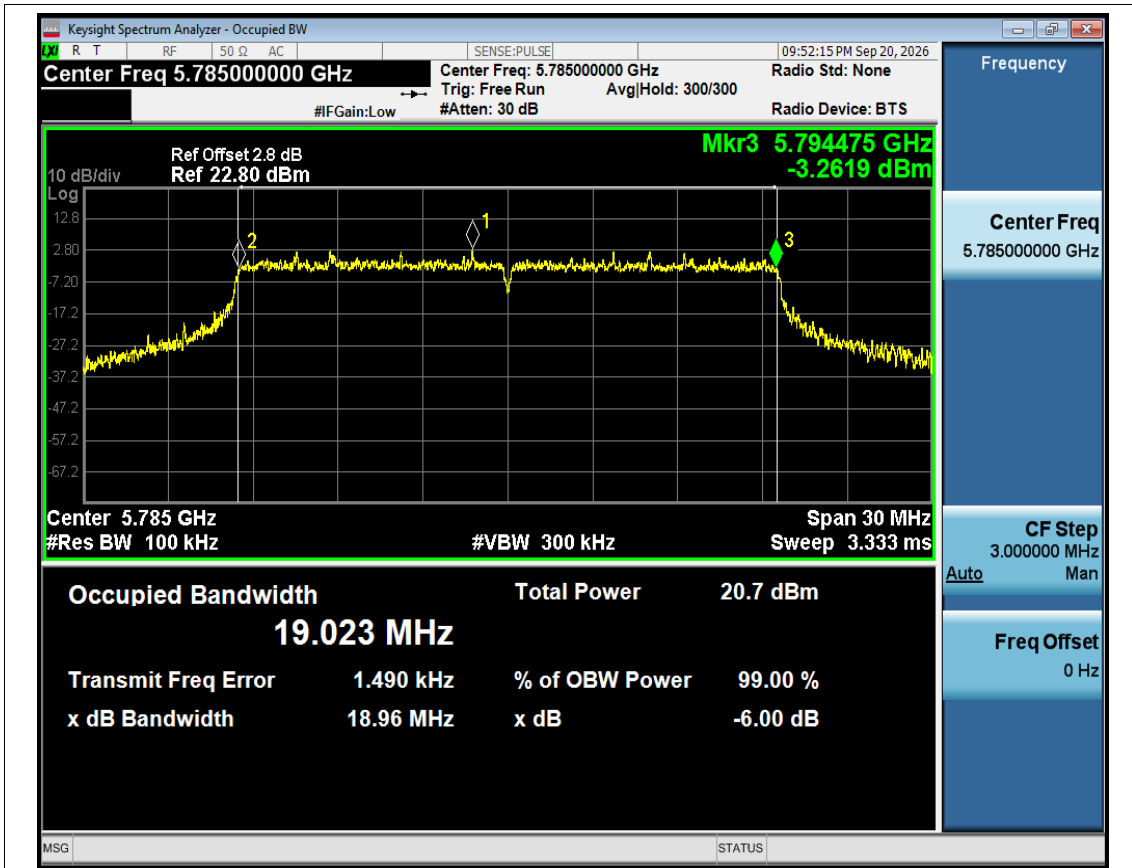
-6dB Bandwidth NVNT ac40 5755MHz Ant1



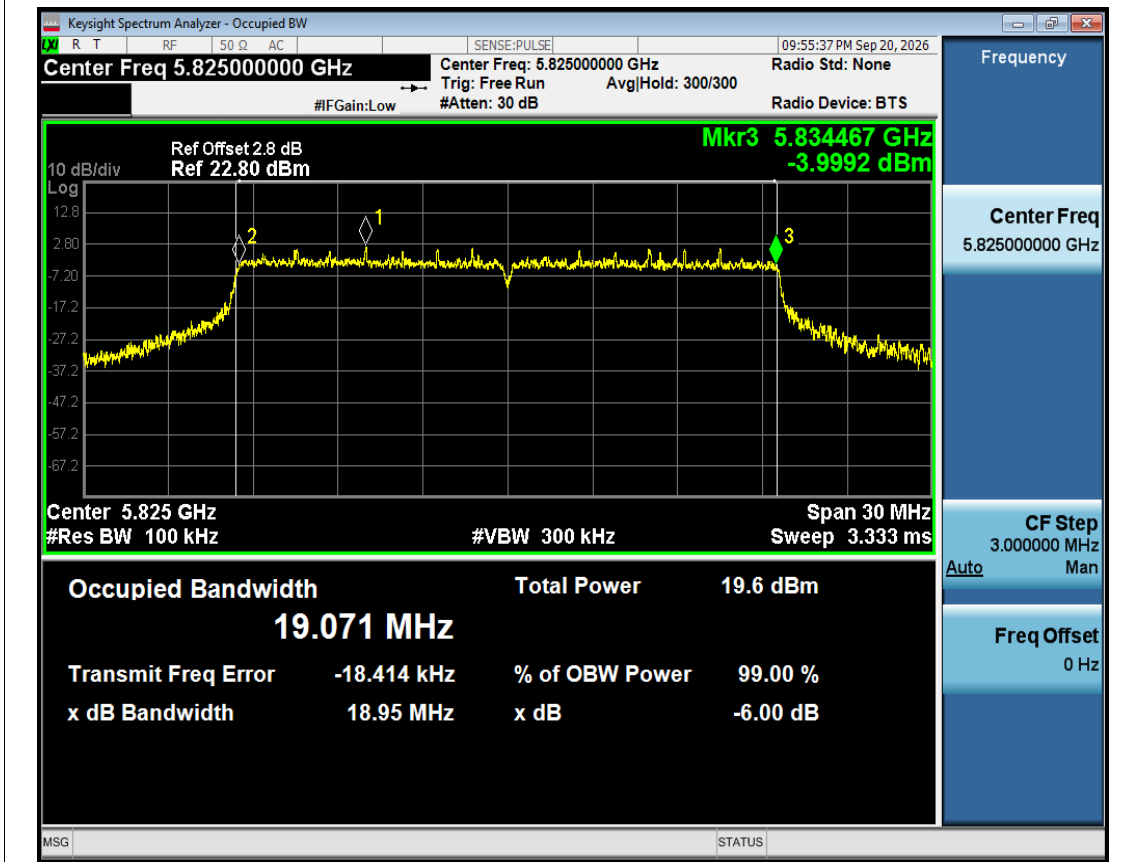
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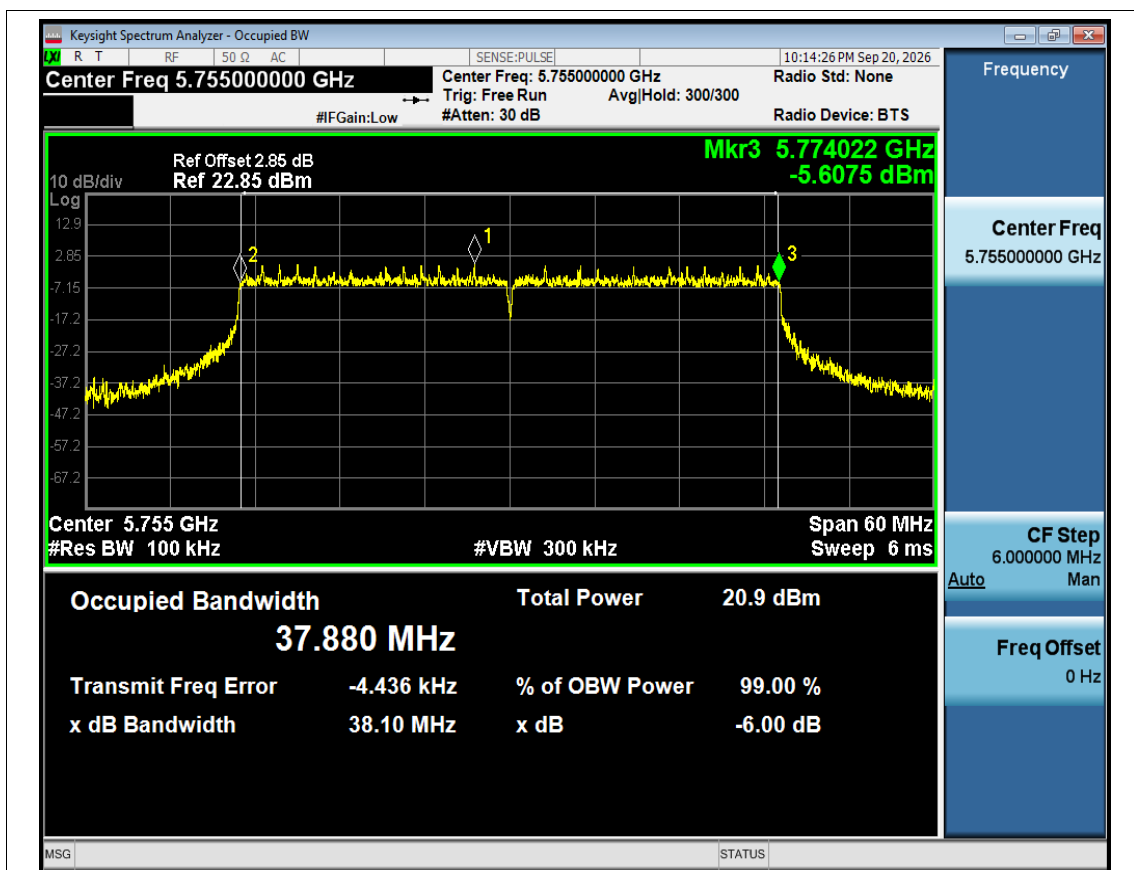
-6dB Bandwidth NVNT ax20 5745MHz Ant1



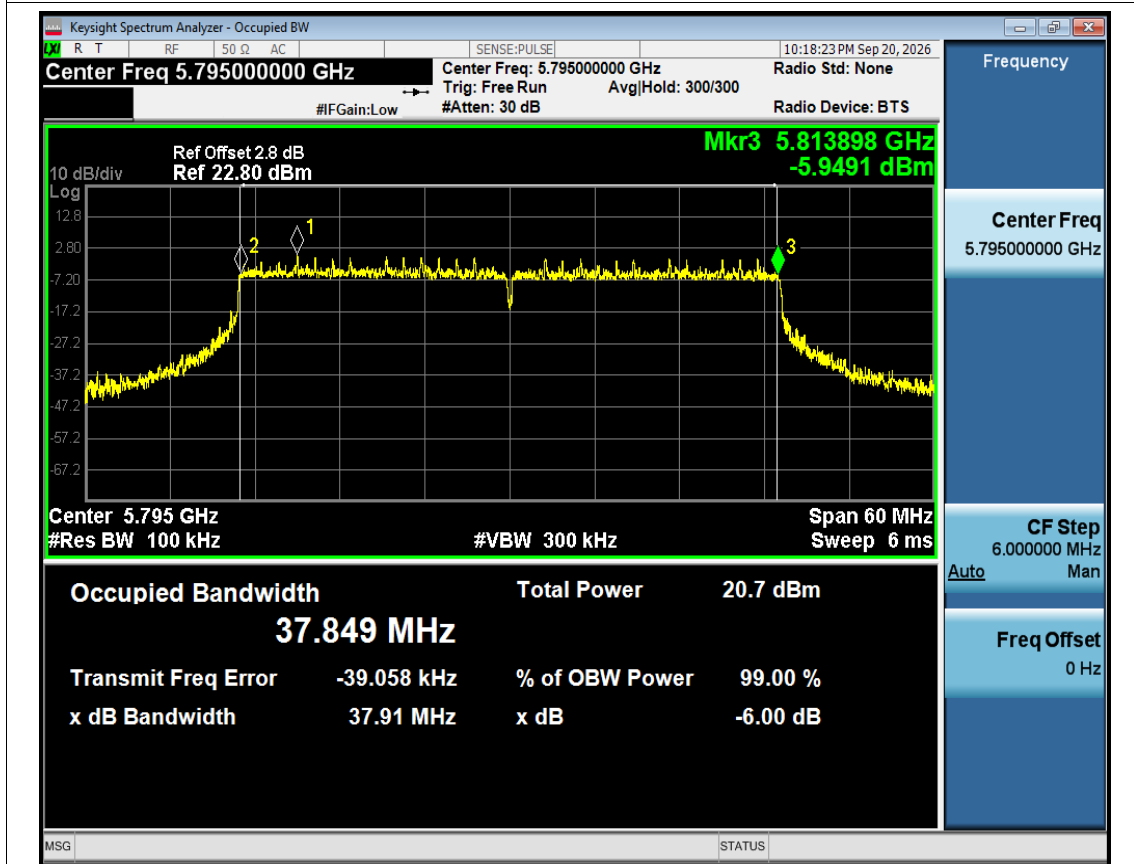
-6dB Bandwidth NVNT ax20 5785MHz Ant1



-6dB Bandwidth NVNT ax20 5825MHz Ant1



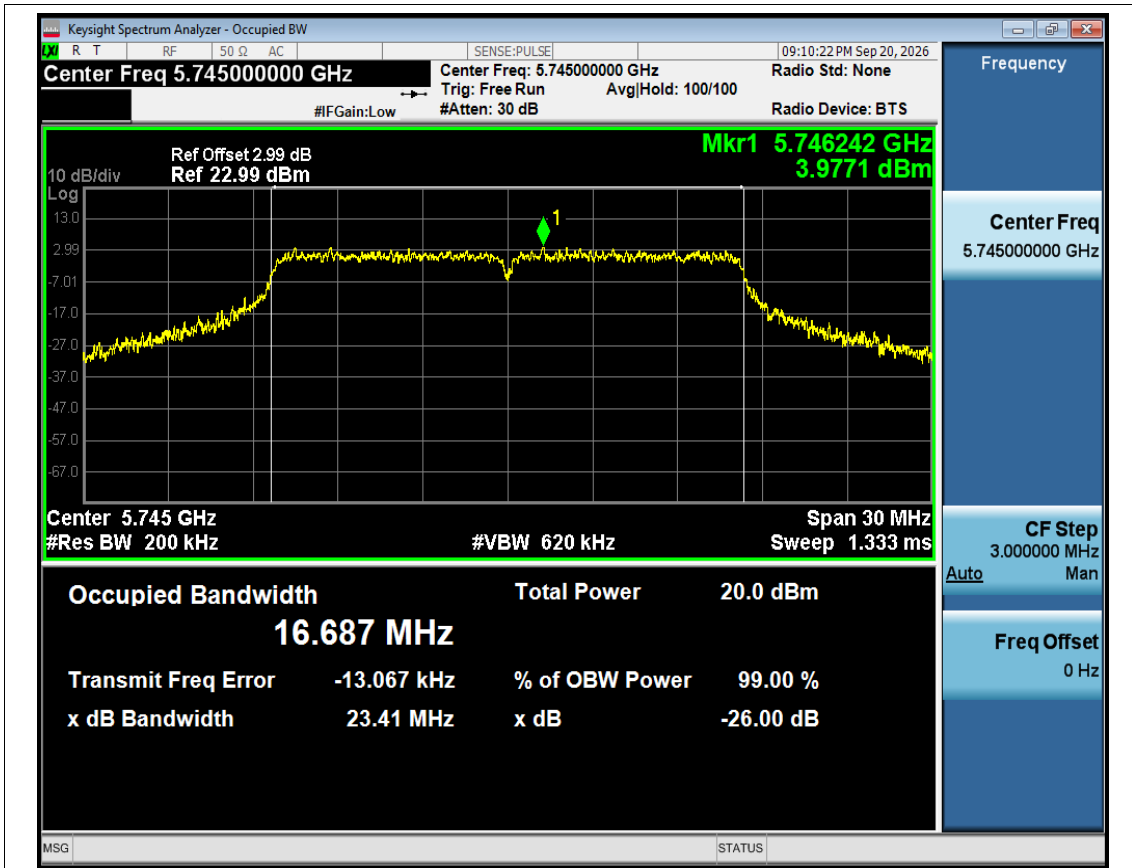
-6dB Bandwidth NVNT ax40 5755MHz Ant1



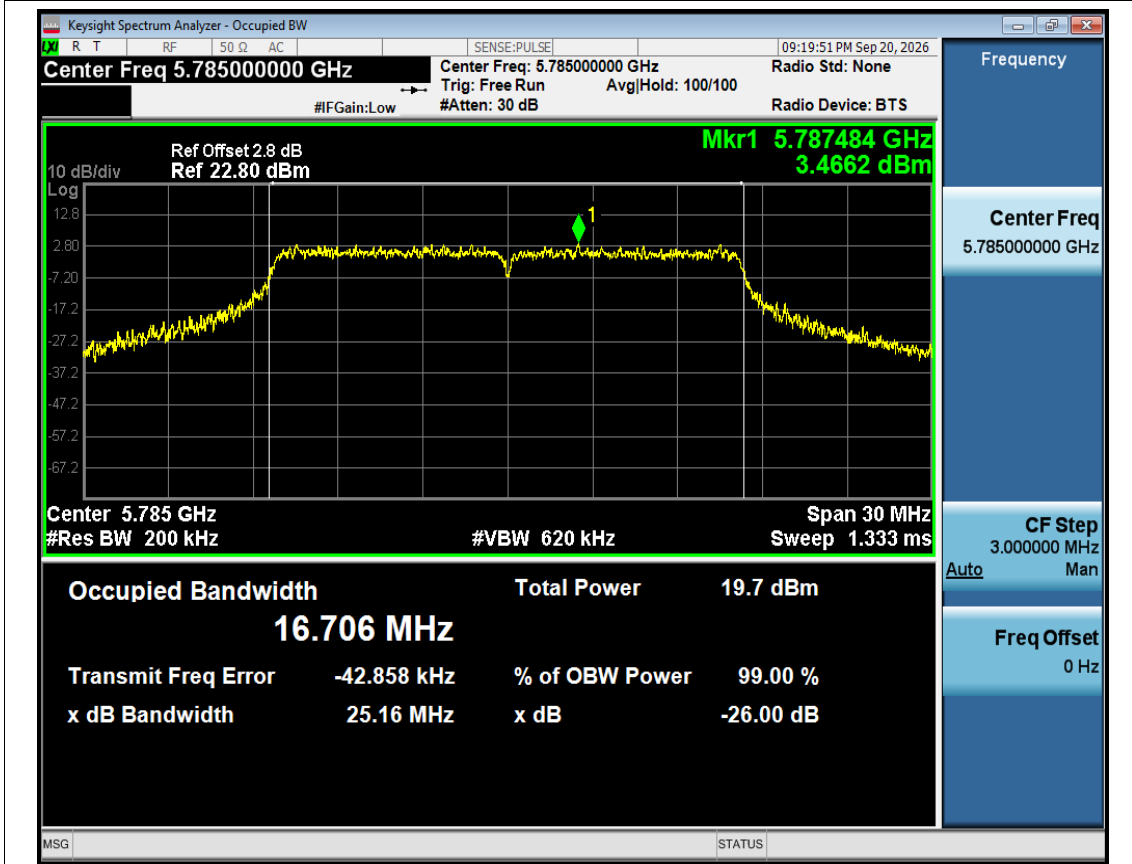
-6dB Bandwidth NVNT ax40 5795MHz Ant1

Occupied Channel Bandwidth

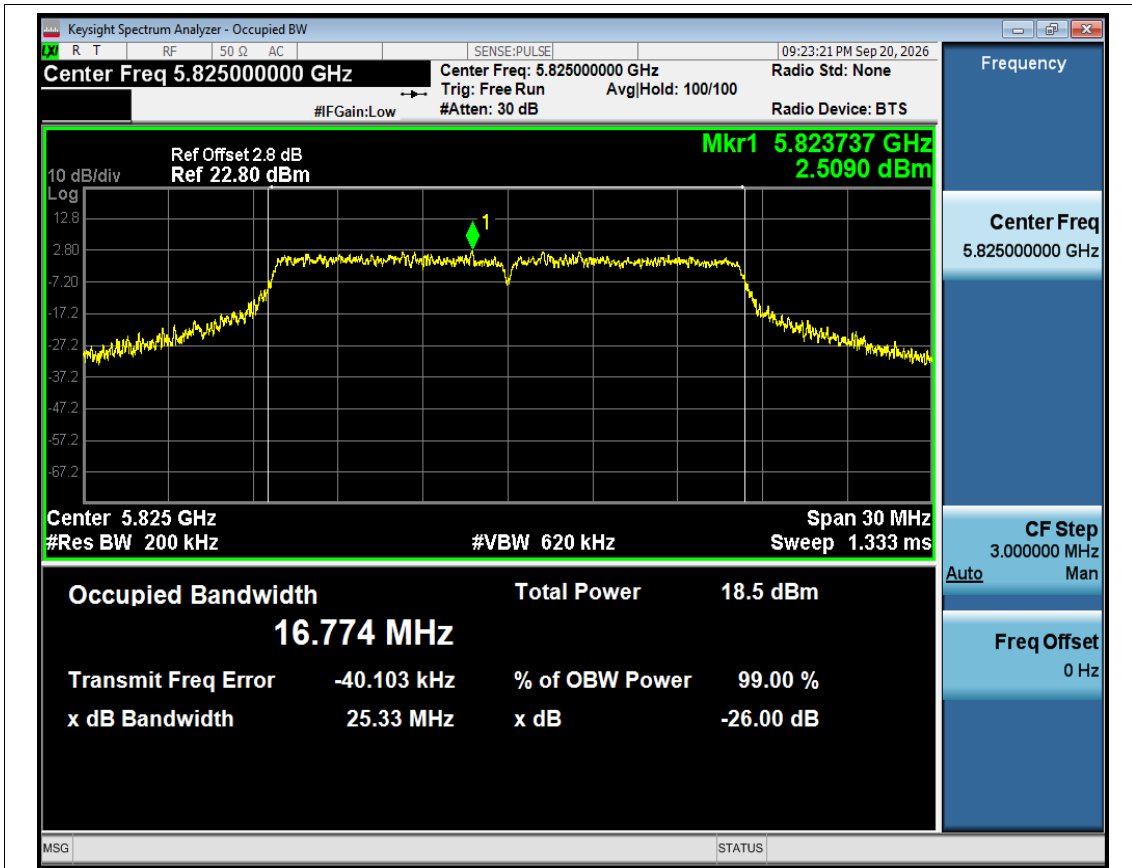
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.687
NVNT	a	5785	Ant1	16.706
NVNT	a	5825	Ant1	16.774
NVNT	n20	5745	Ant1	17.947
NVNT	n20	5785	Ant1	17.922
NVNT	n20	5825	Ant1	17.975
NVNT	n40	5755	Ant1	36.518
NVNT	n40	5795	Ant1	36.555
NVNT	ac20	5745	Ant1	17.885
NVNT	ac20	5785	Ant1	17.879
NVNT	ac20	5825	Ant1	17.925
NVNT	ac40	5755	Ant1	36.538
NVNT	ac40	5795	Ant1	36.463
NVNT	ax20	5745	Ant1	19.093
NVNT	ax20	5785	Ant1	19.117
NVNT	ax20	5825	Ant1	19.038
NVNT	ax40	5755	Ant1	38.023
NVNT	ax40	5795	Ant1	37.953



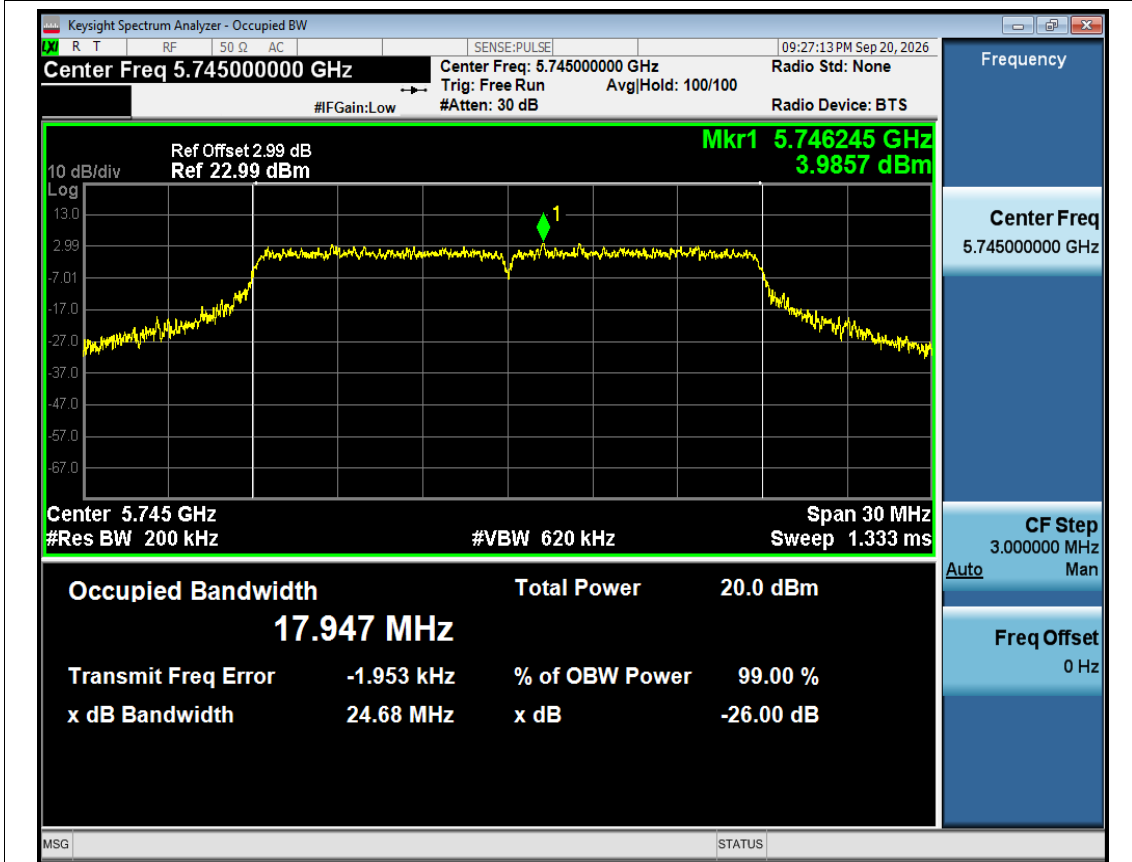
OBW NVNT a 5745MHz Ant1



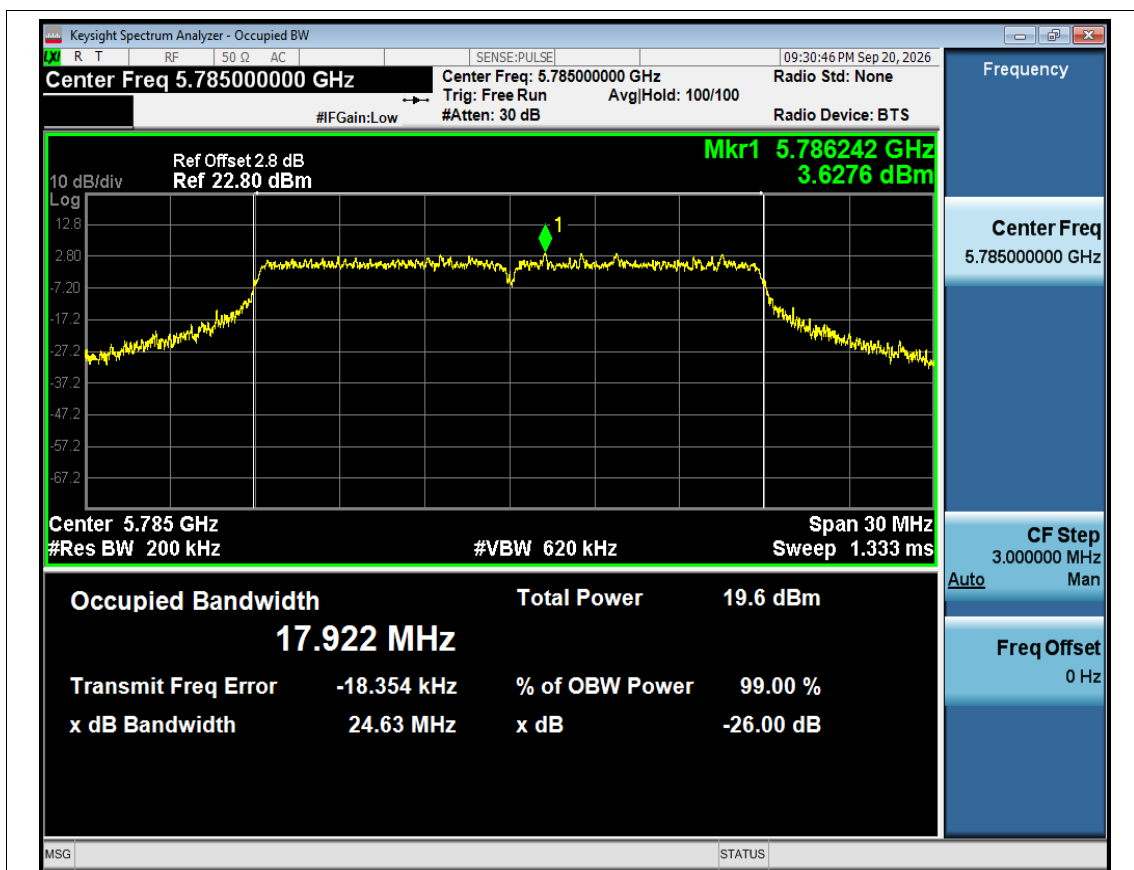
OBW NVNT a 5785MHz Ant1



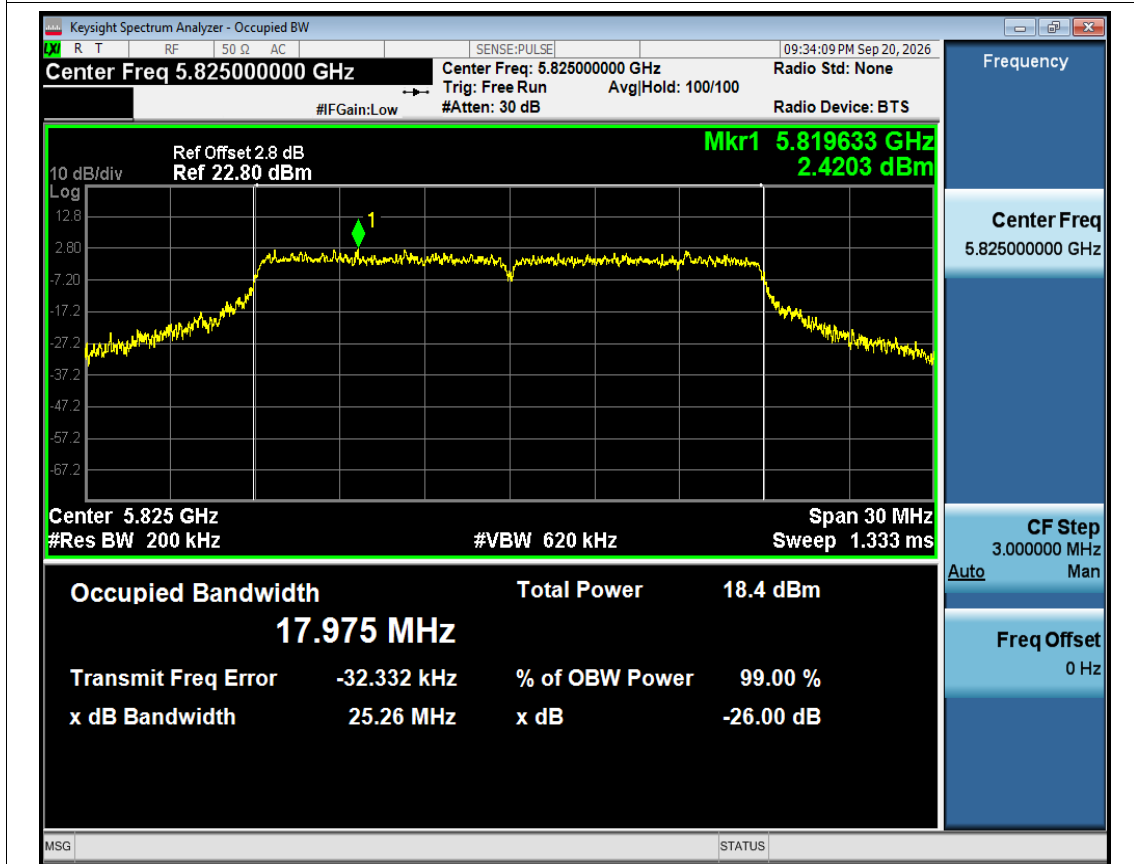
OBW NVNT a 5825MHz Ant1



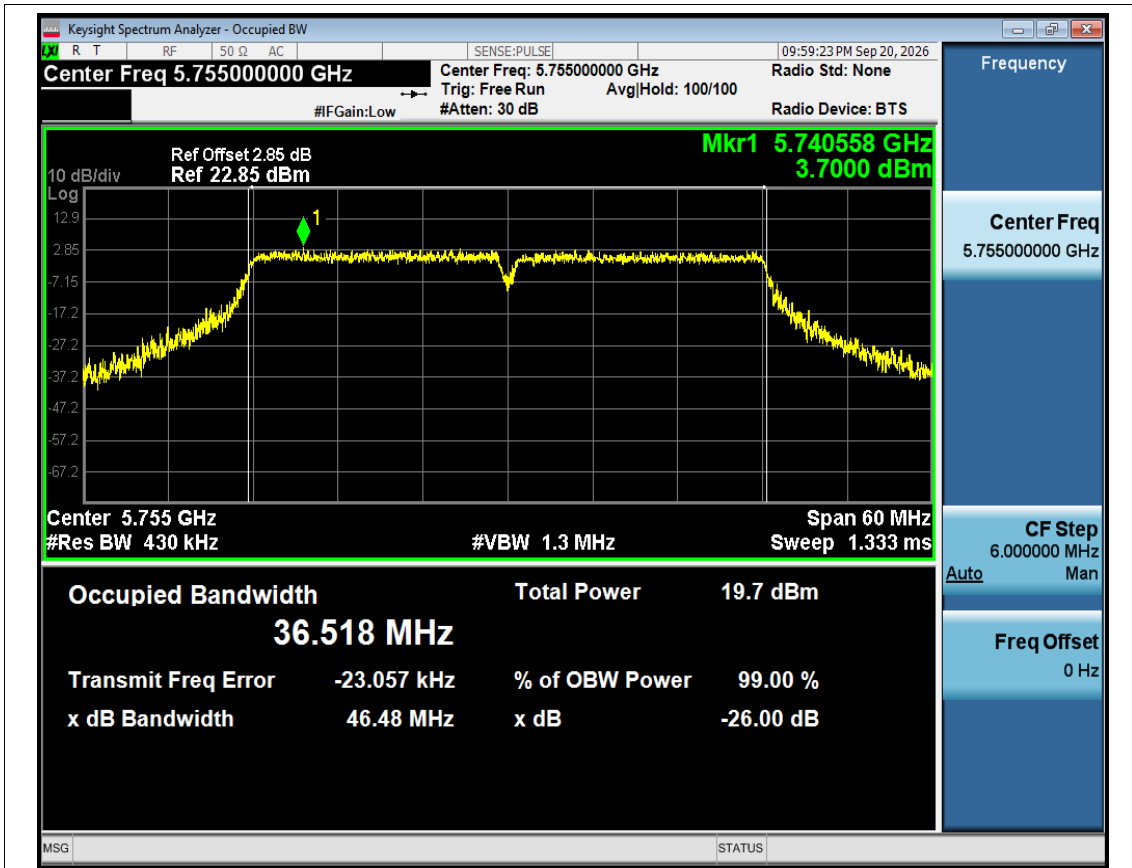
OBW NVNT n20 5745MHz Ant1



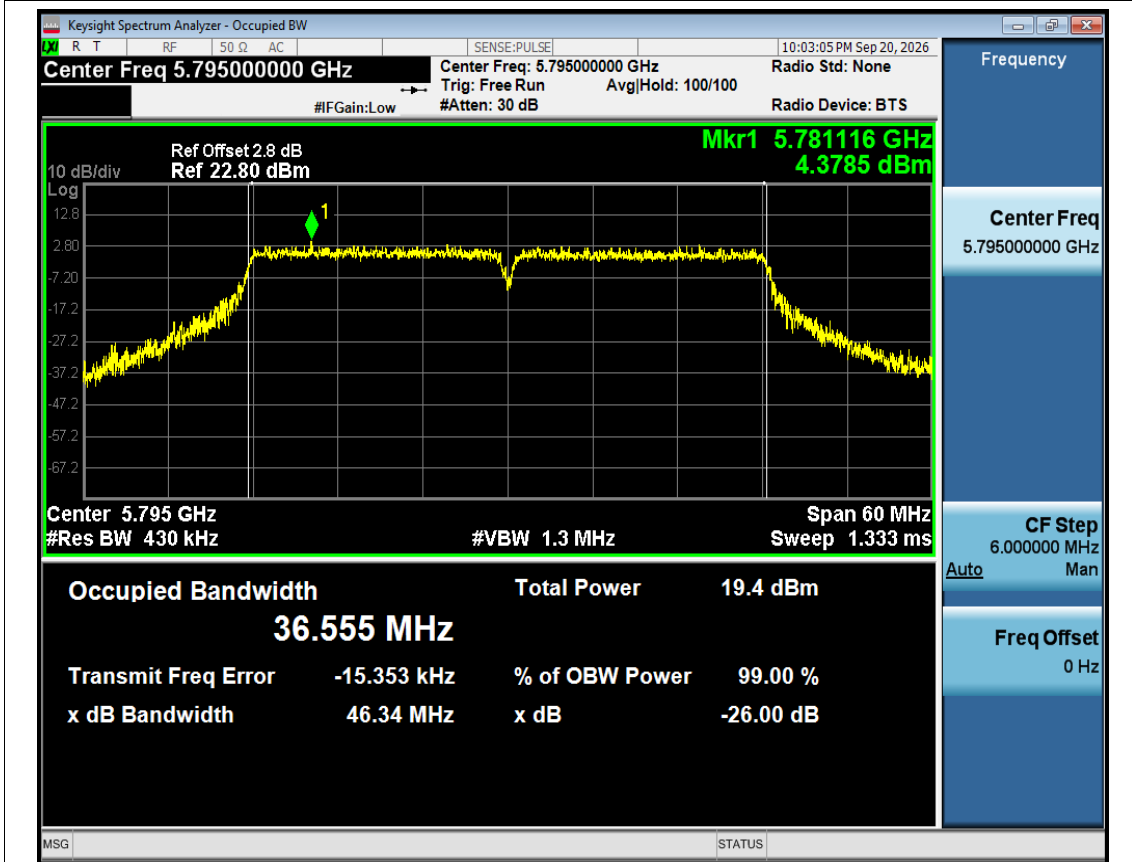
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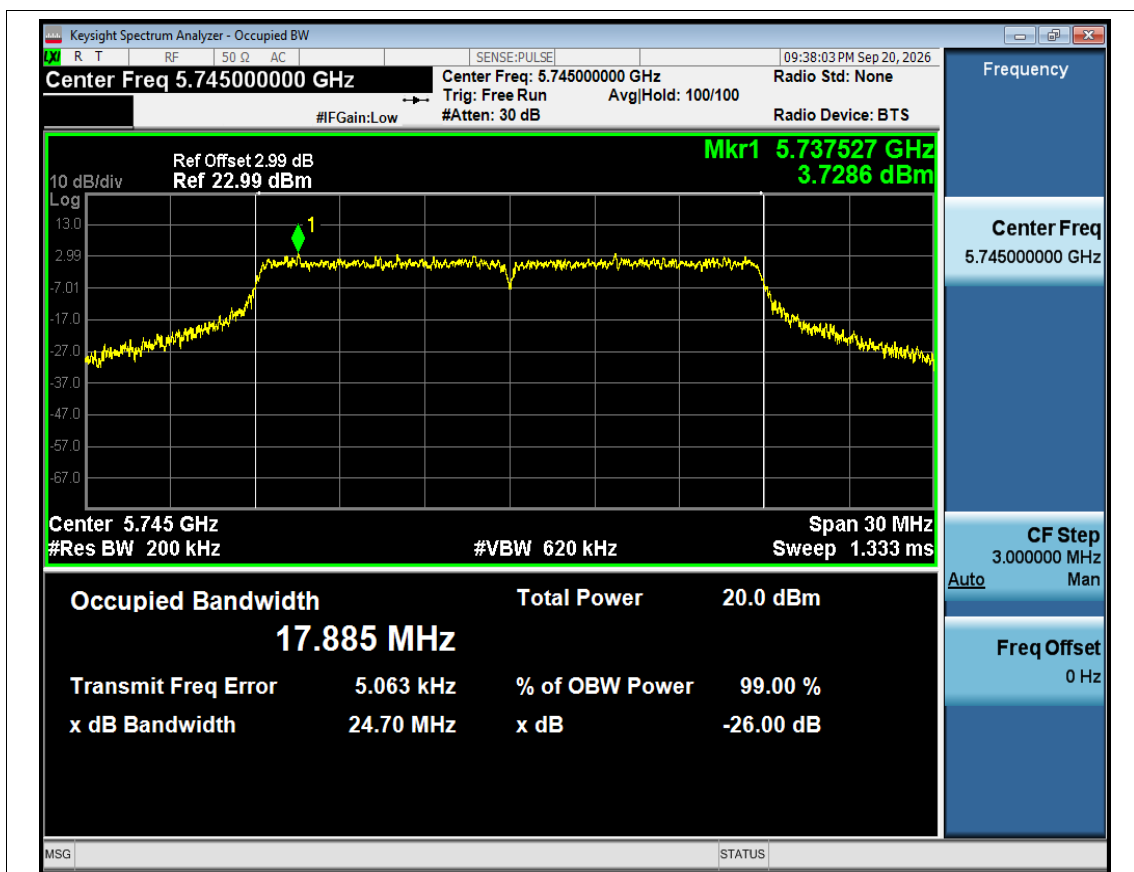
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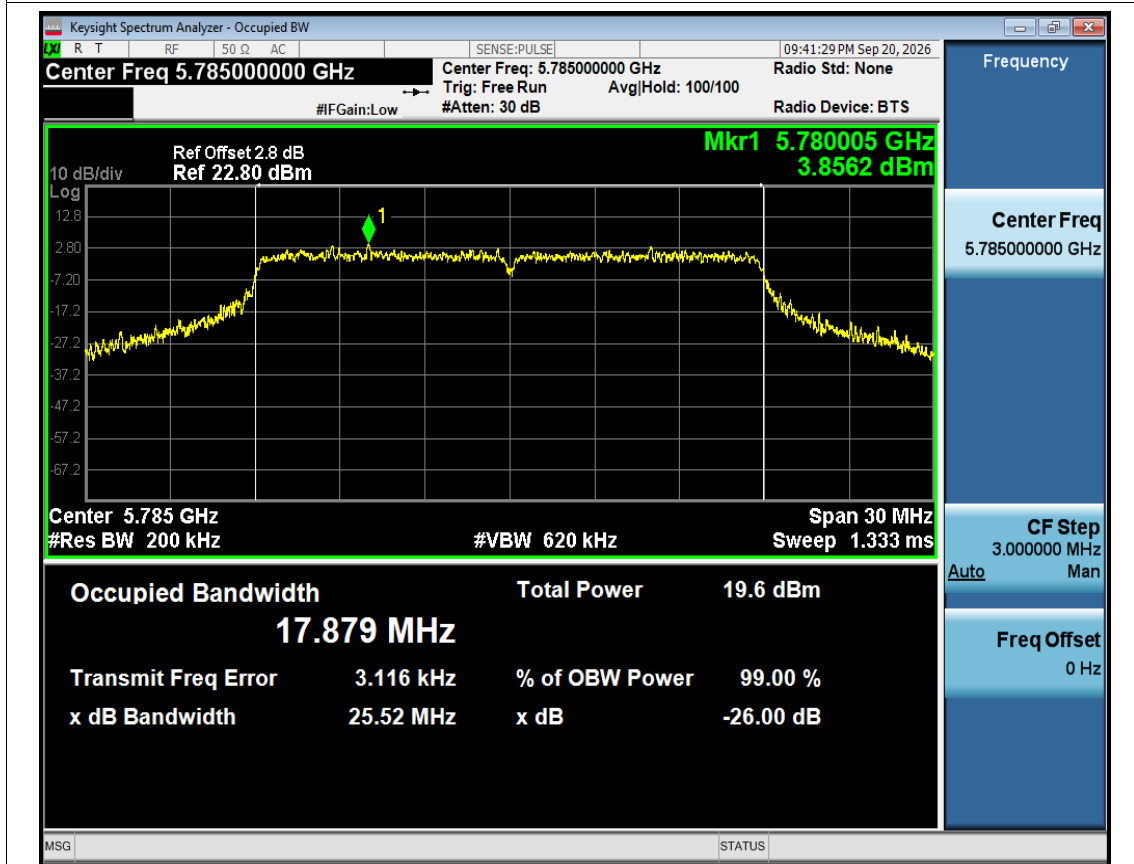
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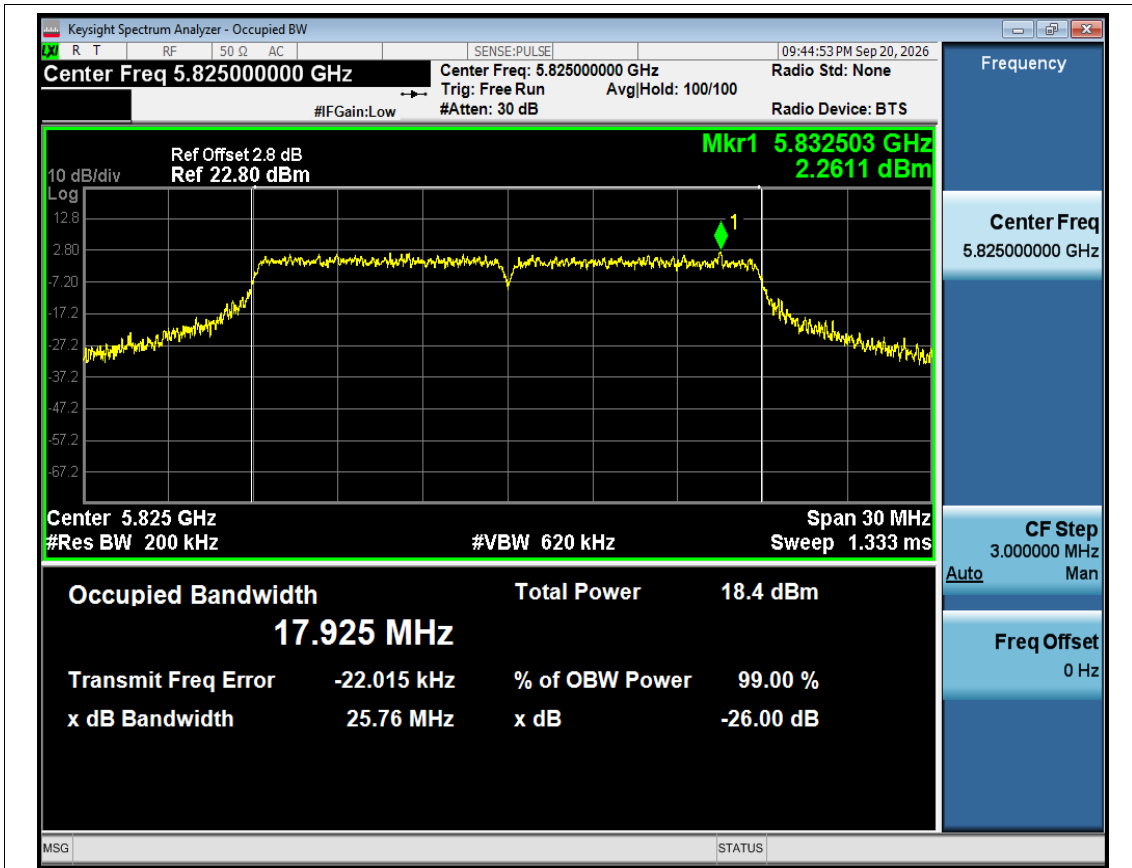
OBW NVNT n40 5795MHz Ant1



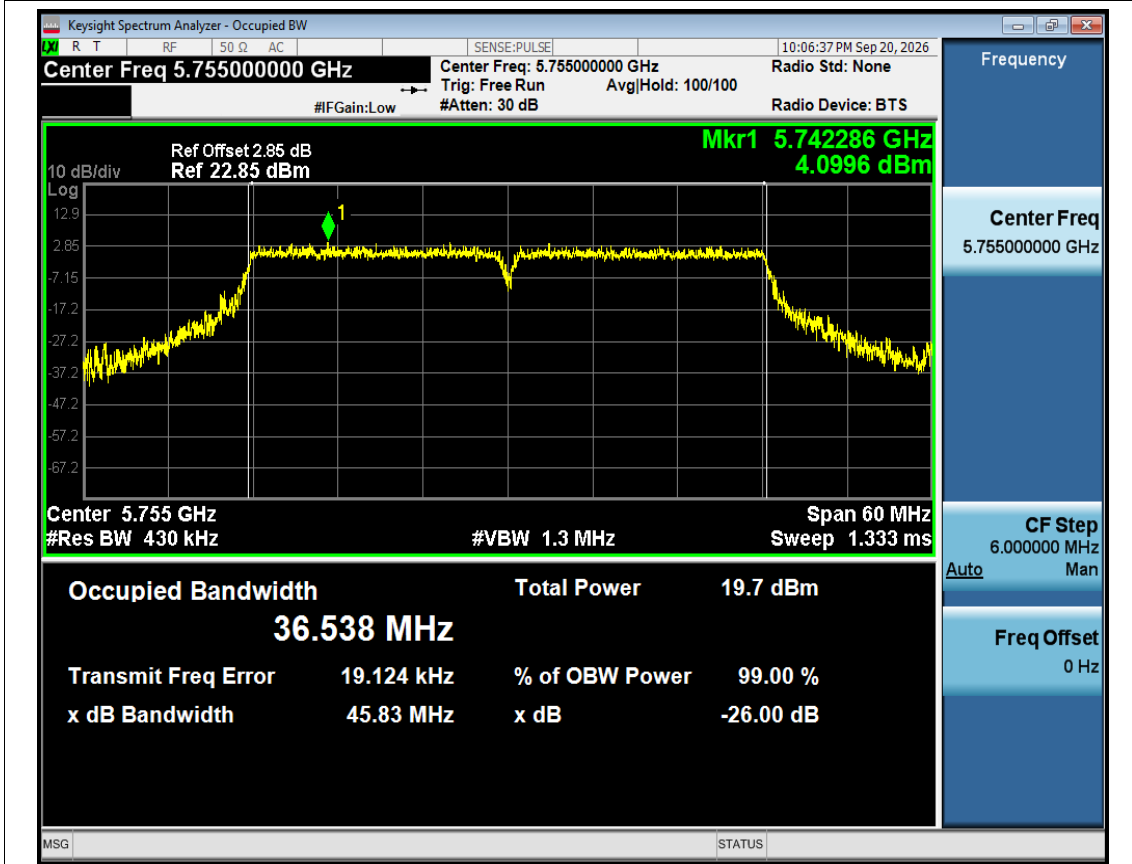
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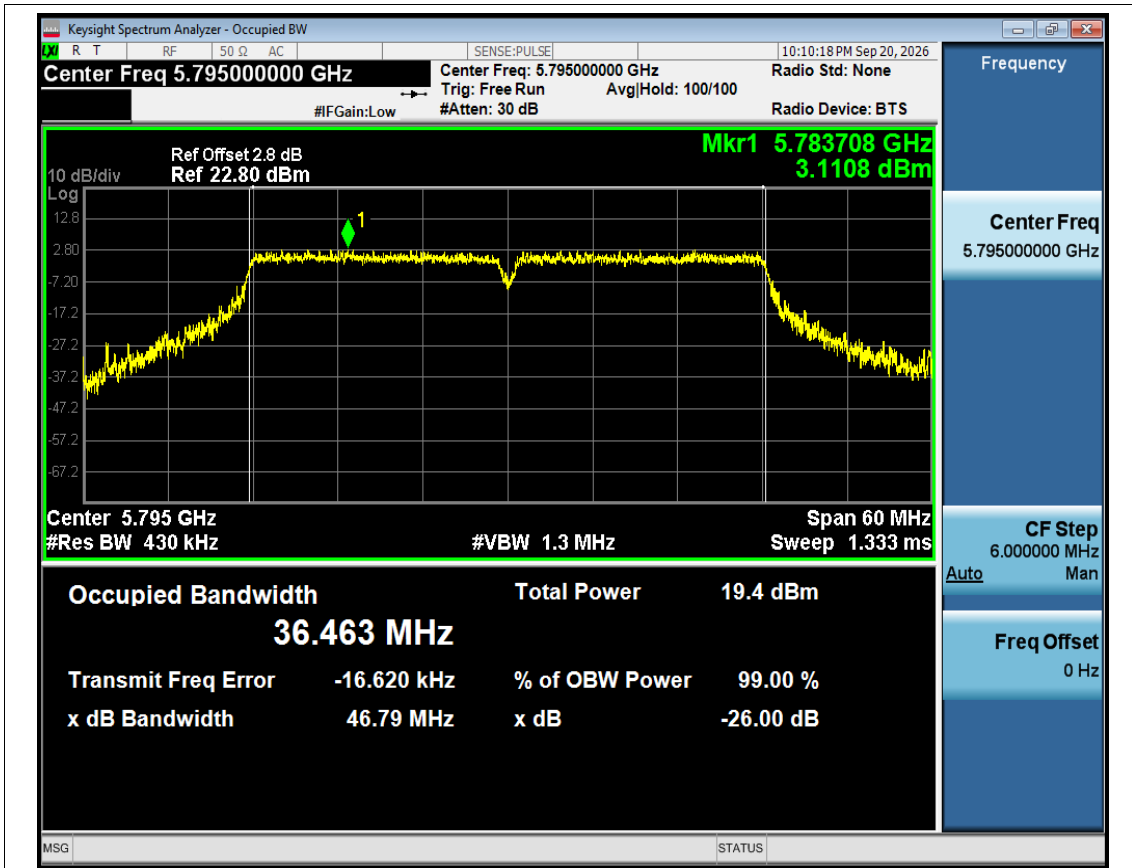
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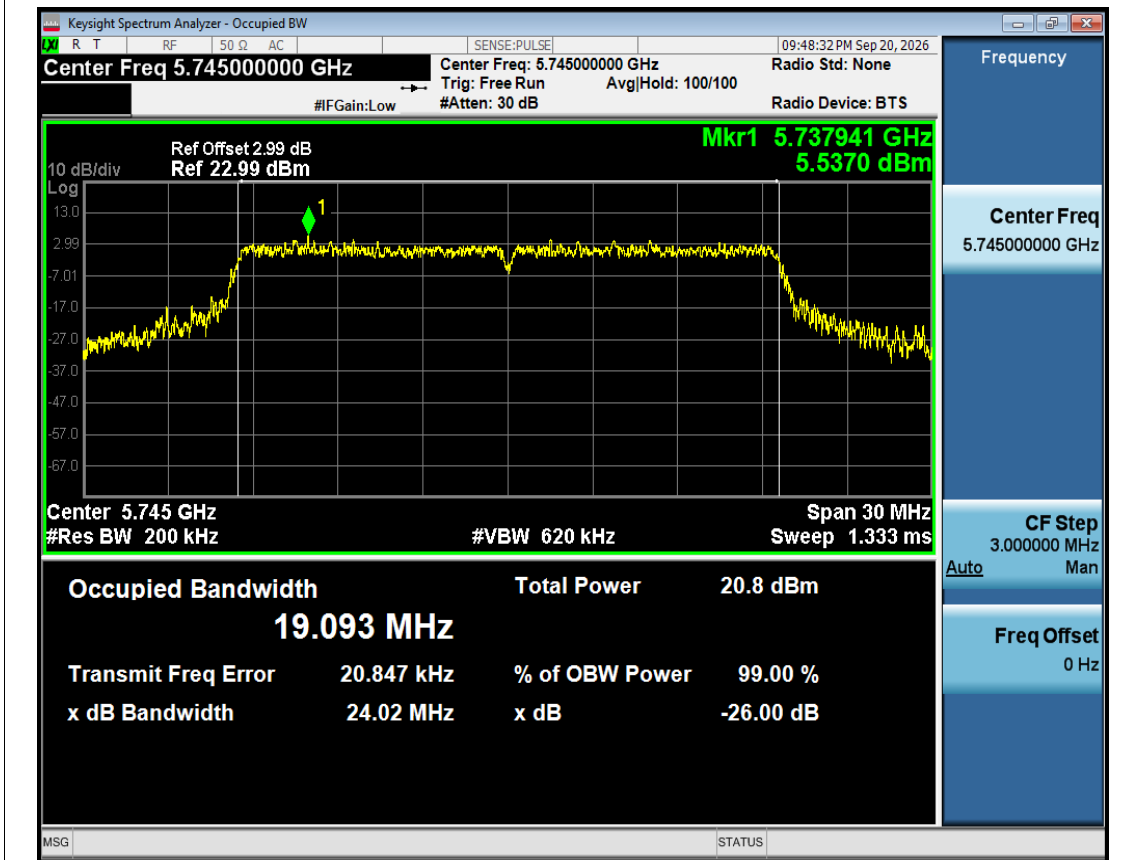
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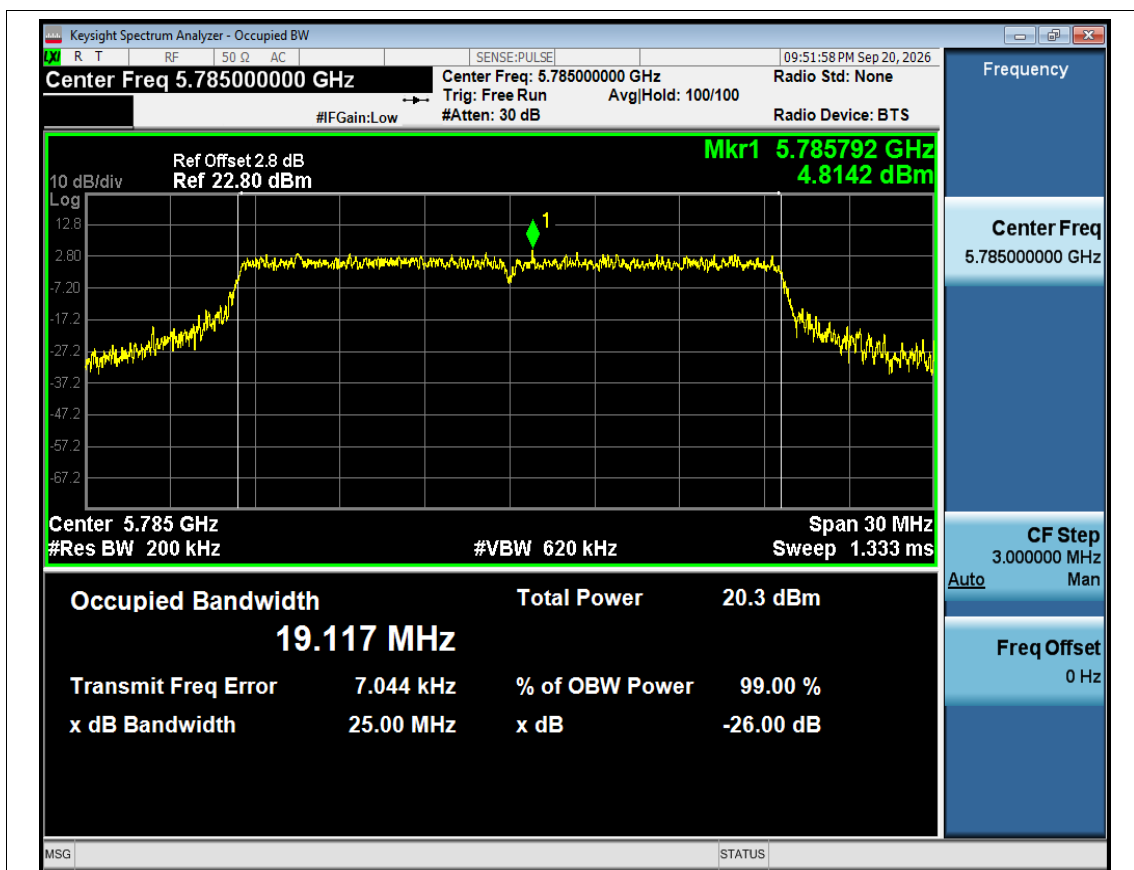
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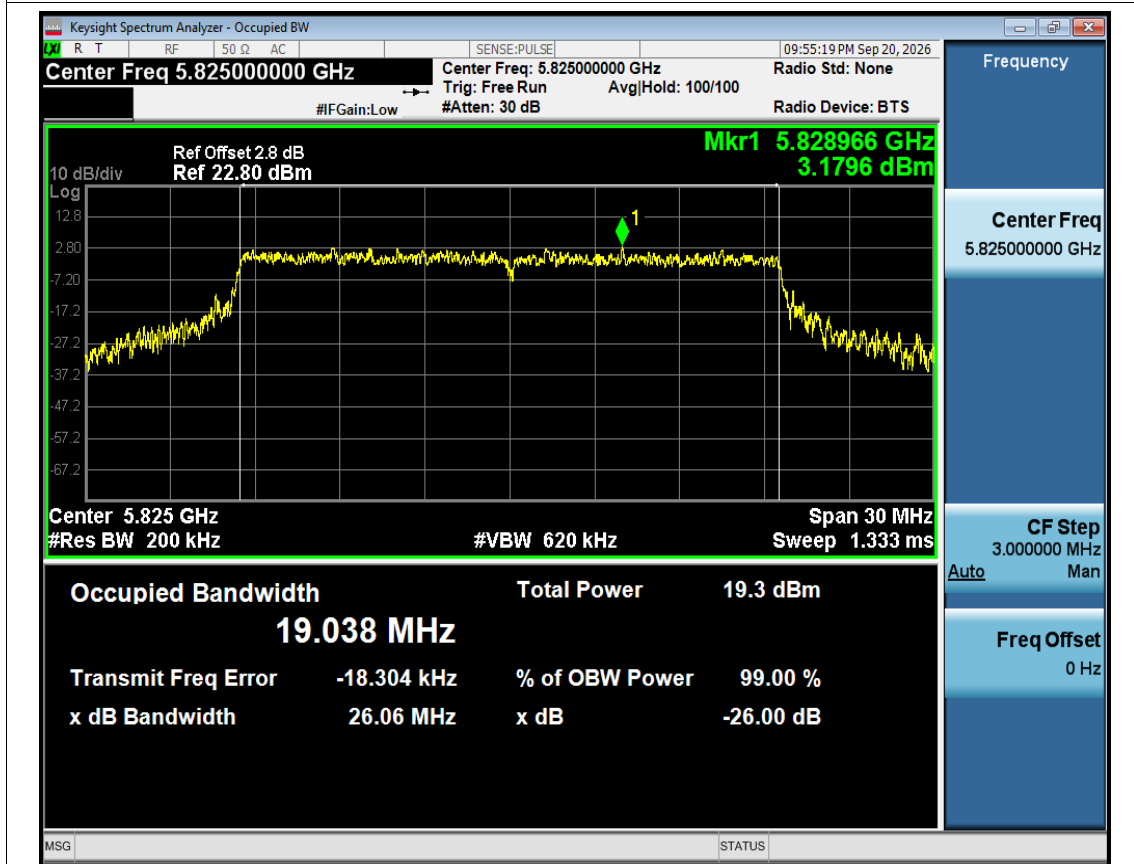
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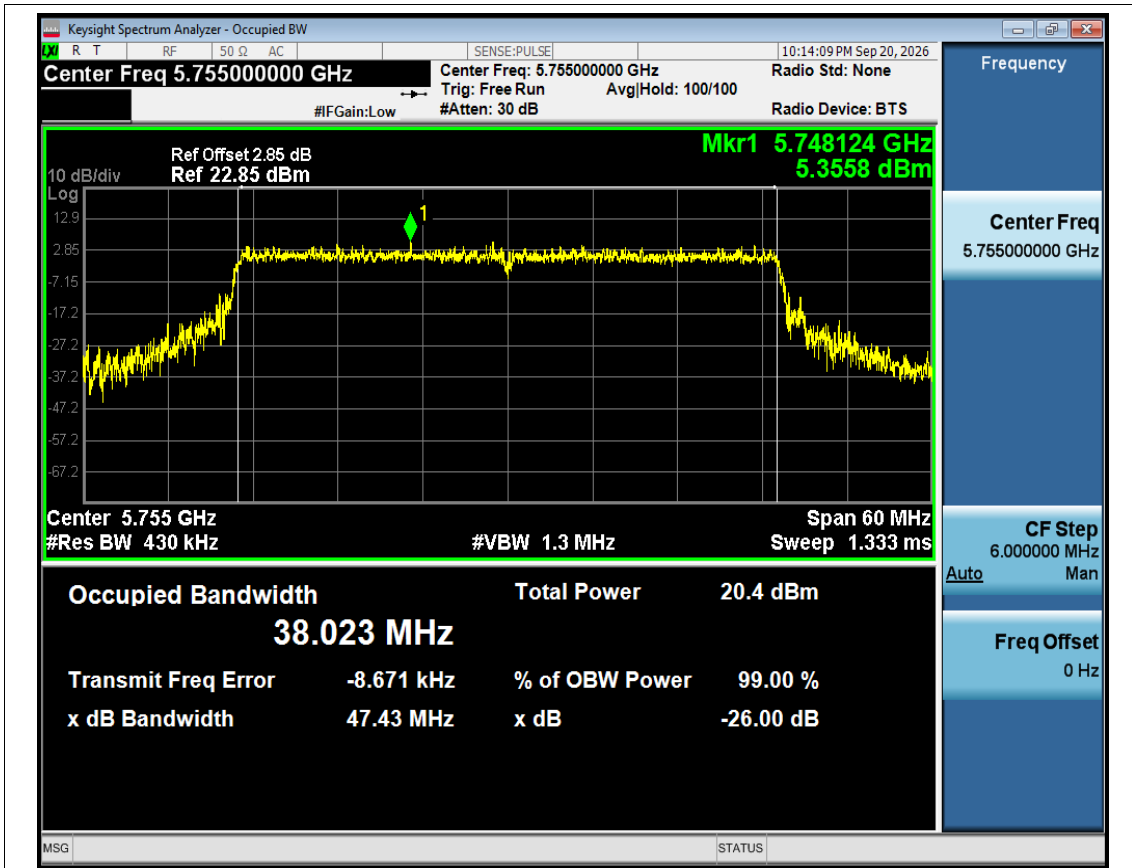
OBW NVNT ax20 5745MHz Ant1



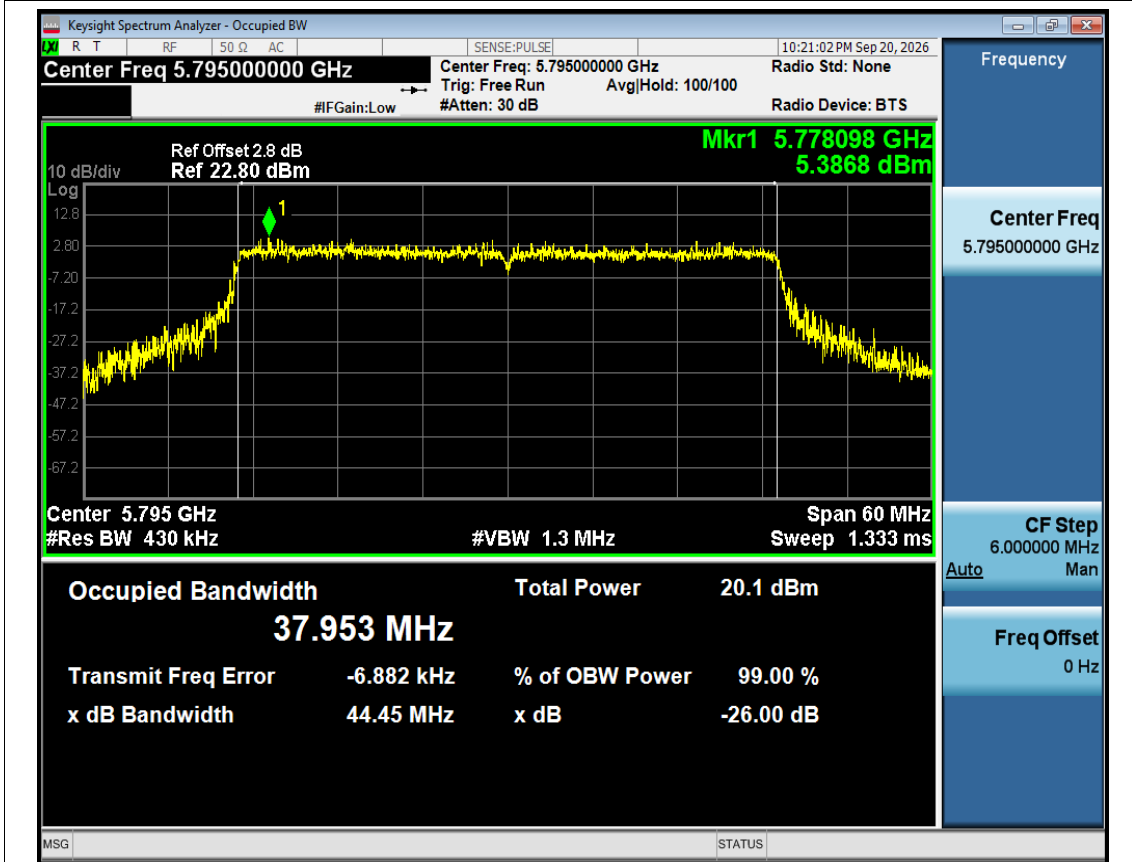
OBW NVNT ax20 5785MHz Ant1



OBW NVNT ax20 5825MHz Ant1



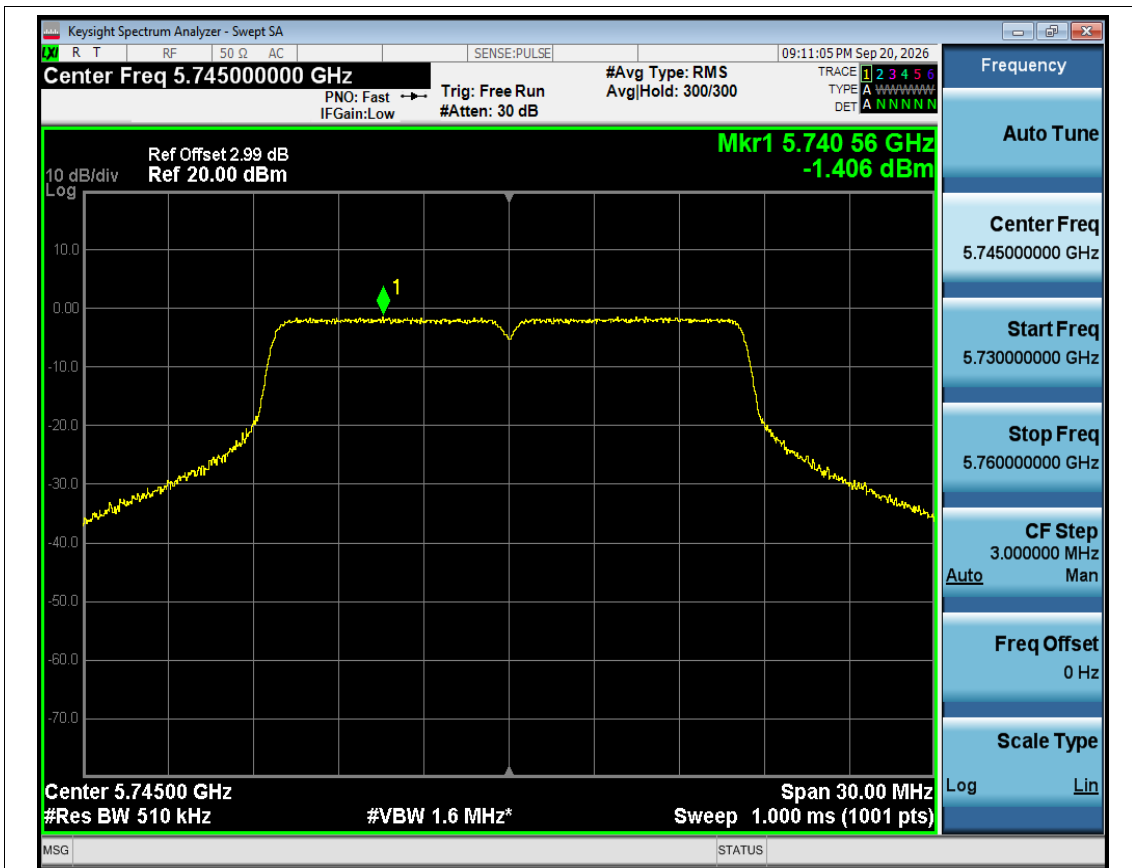
OBW NVNT ax40 5755MHz Ant1



OBW NVNT ax40 5795MHz Ant1

Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/510kHz)	Duty Factor (dB)	Total Conducted PSD (dBm/510kHz)	Limit Conducted(dBm/500 kHz)	Verdict
NVNT	a	5745	Ant1	-1.41	1.73	0.32	30	Pass
NVNT	a	5785	Ant1	-1.1	1.73	0.63	30	Pass
NVNT	a	5825	Ant1	-2.98	1.8	-1.18	30	Pass
NVNT	n20	5745	Ant1	-1.67	1.91	0.24	30	Pass
NVNT	n20	5785	Ant1	-2.02	1.91	-0.11	30	Pass
NVNT	n20	5825	Ant1	-3.07	1.91	-1.16	30	Pass
NVNT	n40	5755	Ant1	-6	3.12	-2.88	30	Pass
NVNT	n40	5795	Ant1	-6.22	3.12	-3.1	30	Pass
NVNT	ac20	5745	Ant1	-1.77	1.84	0.07	30	Pass
NVNT	ac20	5785	Ant1	-1.88	1.91	0.03	30	Pass
NVNT	ac20	5825	Ant1	-3.04	1.84	-1.2	30	Pass
NVNT	ac40	5755	Ant1	-5.99	3.36	-2.63	30	Pass
NVNT	ac40	5795	Ant1	-6.58	3.12	-3.46	30	Pass
NVNT	ax20	5745	Ant1	-2.32	2.22	-0.1	30	Pass
NVNT	ax20	5785	Ant1	-2.38	2.28	-0.1	30	Pass
NVNT	ax20	5825	Ant1	-3.47	2.22	-1.25	30	Pass
NVNT	ax40	5755	Ant1	-6.84	3.8	-3.04	30	Pass
NVNT	ax40	5795	Ant1	-6.8	3.8	-3	30	Pass



PSD NVNT a 5745MHz Ant1



PSD NVNT a 5785MHz Ant1



PSD NVNT a 5825MHz Ant1



PSD NVNT n20 5745MHz Ant1



PSD NVNT n20 5785MHz Ant1



PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1



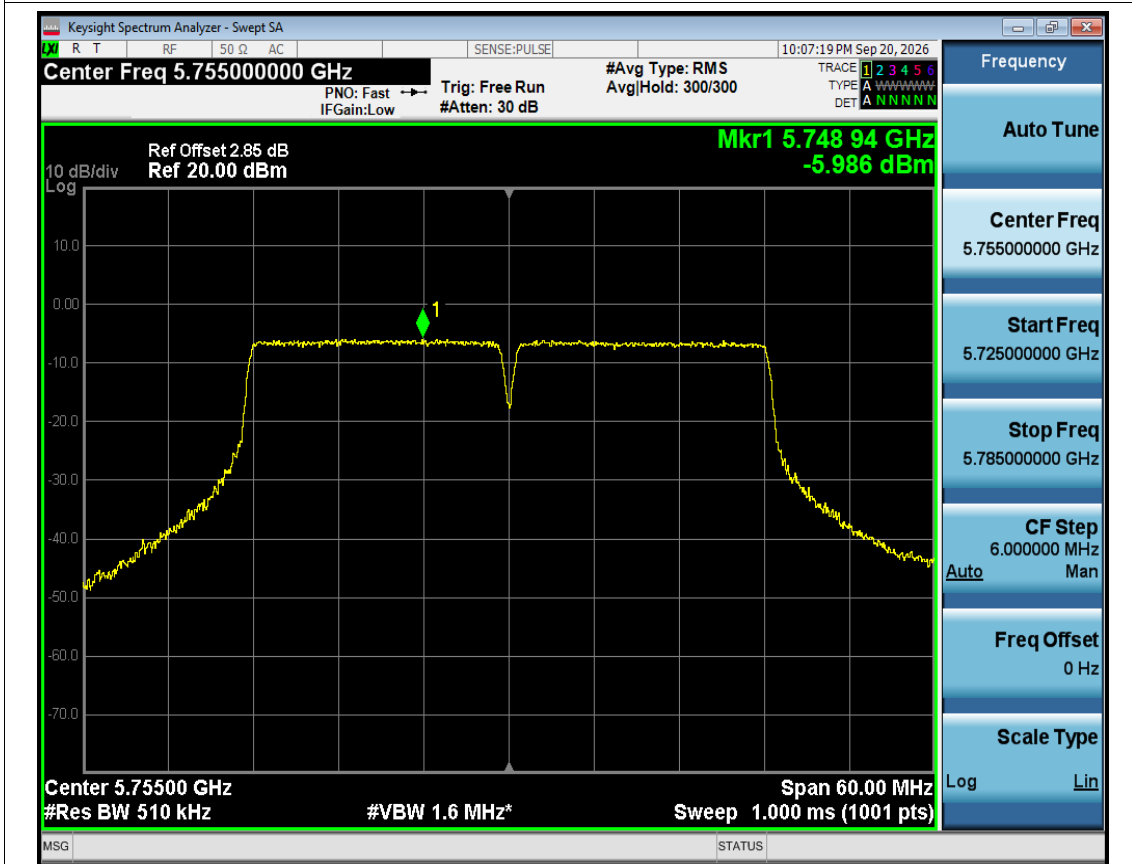
PSD NVNT ac20 5745MHz Ant1



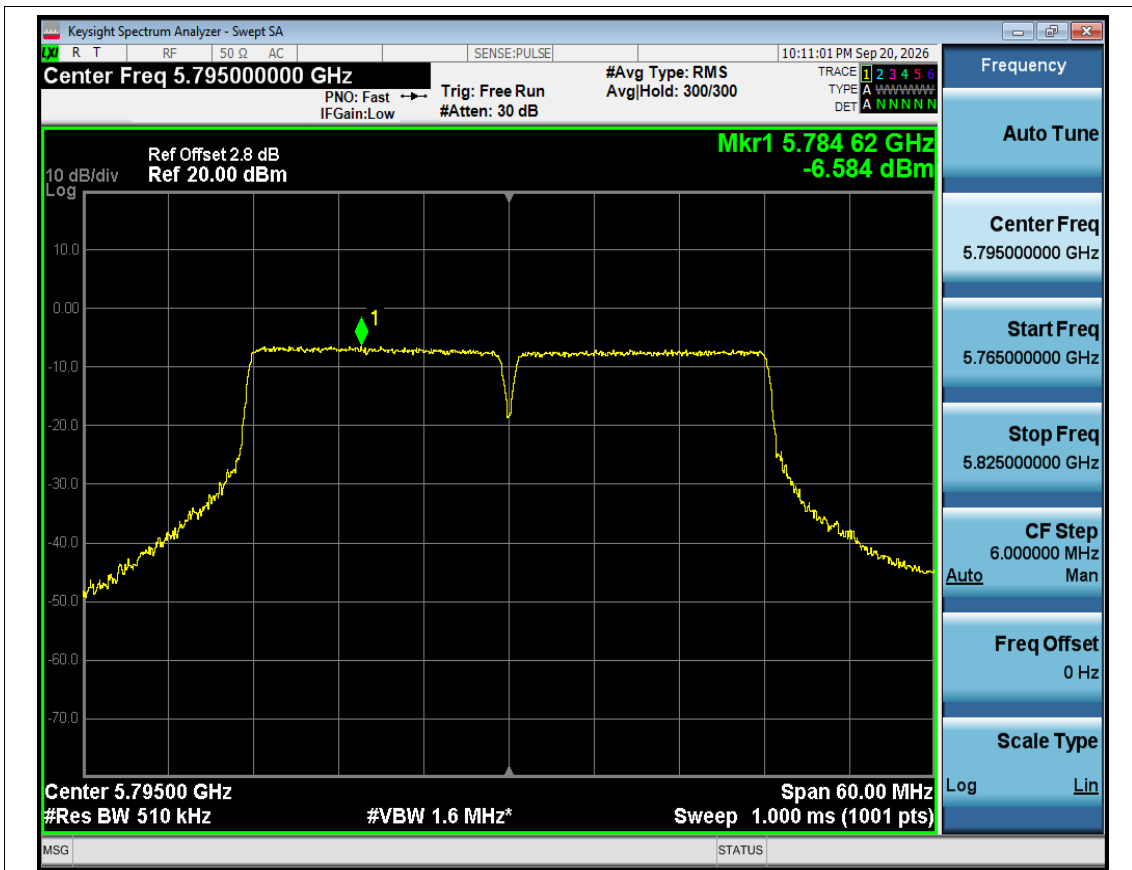
PSD NVNT ac20 5785MHz Ant1



PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1



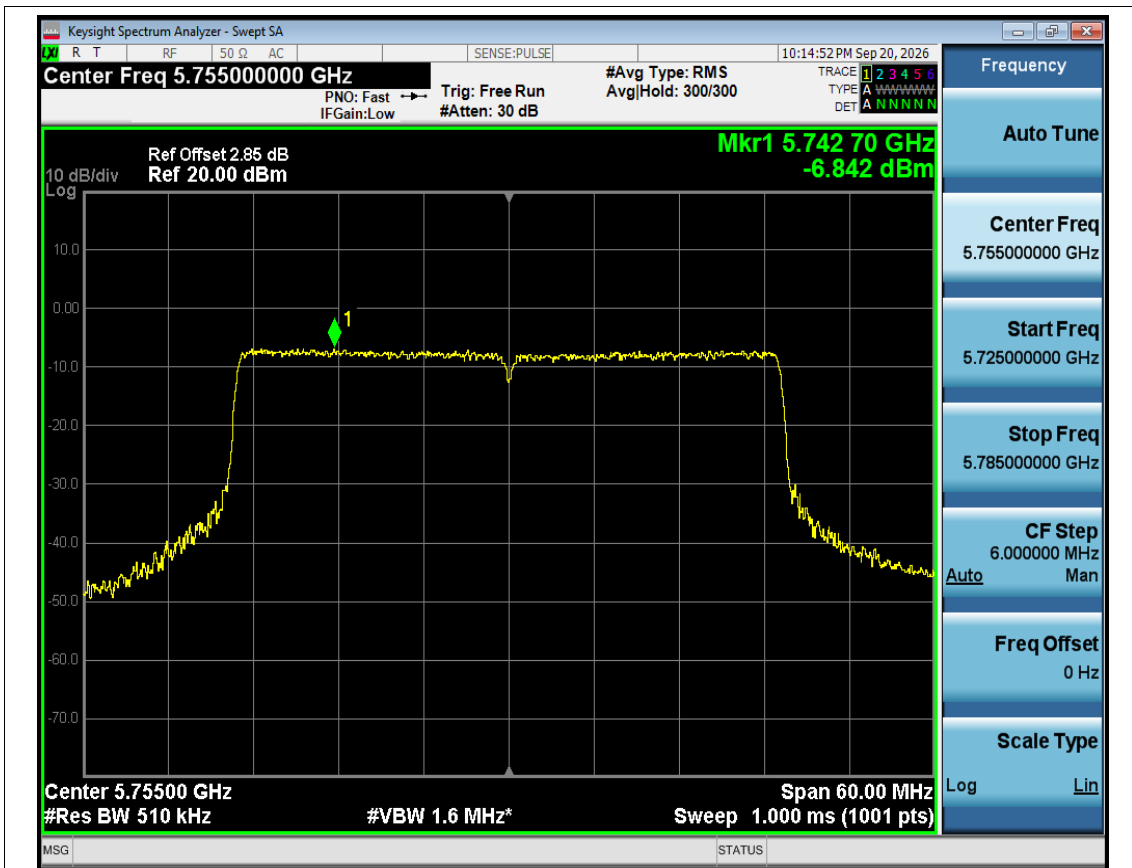
PSD NVNT ax20 5745MHz Ant1



PSD NVNT ax20 5785MHz Ant1



PSD NVNT ax20 5825MHz Ant1



PSD NVNT ax40 5755MHz Ant1



PSD NVNT ax40 5795MHz Ant1

Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-36.54	See test Graph	Pass
NVNT	a	5825	Ant1	-45.59	See test Graph	Pass
NVNT	n20	5745	Ant1	-44.68	See test Graph	Pass
NVNT	n20	5825	Ant1	-46.09	See test Graph	Pass
NVNT	n40	5755	Ant1	-43.05	See test Graph	Pass
NVNT	n40	5795	Ant1	-46.15	See test Graph	Pass
NVNT	ac20	5745	Ant1	-45.12	See test Graph	Pass
NVNT	ac20	5825	Ant1	-46.18	See test Graph	Pass
NVNT	ac40	5755	Ant1	-41.6	See test Graph	Pass
NVNT	ac40	5795	Ant1	-46.86	See test Graph	Pass
NVNT	ax20	5745	Ant1	-45.33	See test Graph	Pass
NVNT	ax20	5825	Ant1	-45.8	See test Graph	Pass
NVNT	ax40	5755	Ant1	-42.92	See test Graph	Pass
NVNT	ax40	5795	Ant1	-46.45	See test Graph	Pass
Remark: 1. The current test results can still reach the standard limit after adding the antenna gain. 2. 26.5GHz-40GHz the Spurious leve margin is the largest, so the test data only reflects 30MHz-26.5GHz.						



Band Edge NVNT a 5745MHz Low Ant1



Band Edge NVNT a 5825MHz High Ant1



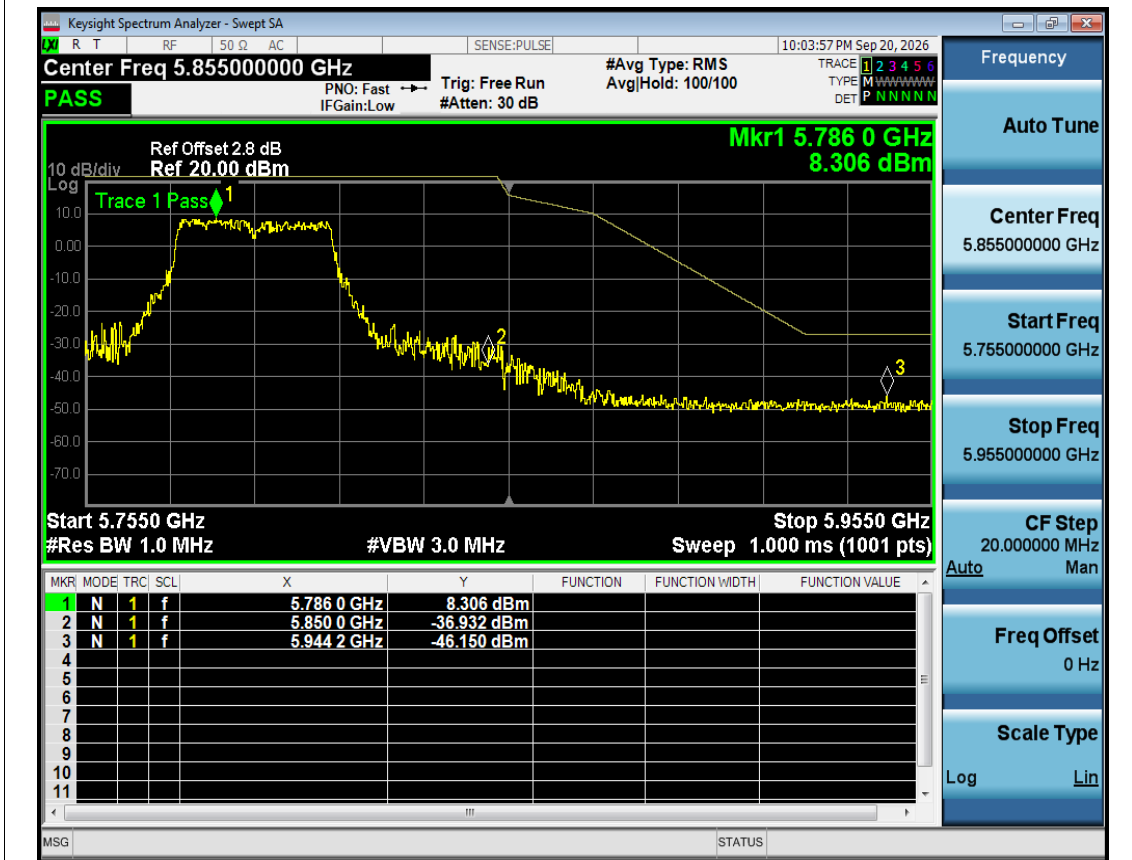
Band Edge NVNT n20 5745MHz Low Ant1



Band Edge NVNT n20 5825MHz High Ant1



Band Edge NVNT n40 5755MHz Low Ant1



Band Edge NVNT n40 5795MHz High Ant1



Band Edge NVNT ac20 5745MHz Low Ant1



Band Edge NVNT ac20 5825MHz High Ant1



Band Edge NVNT ac40 5755MHz Low Ant1



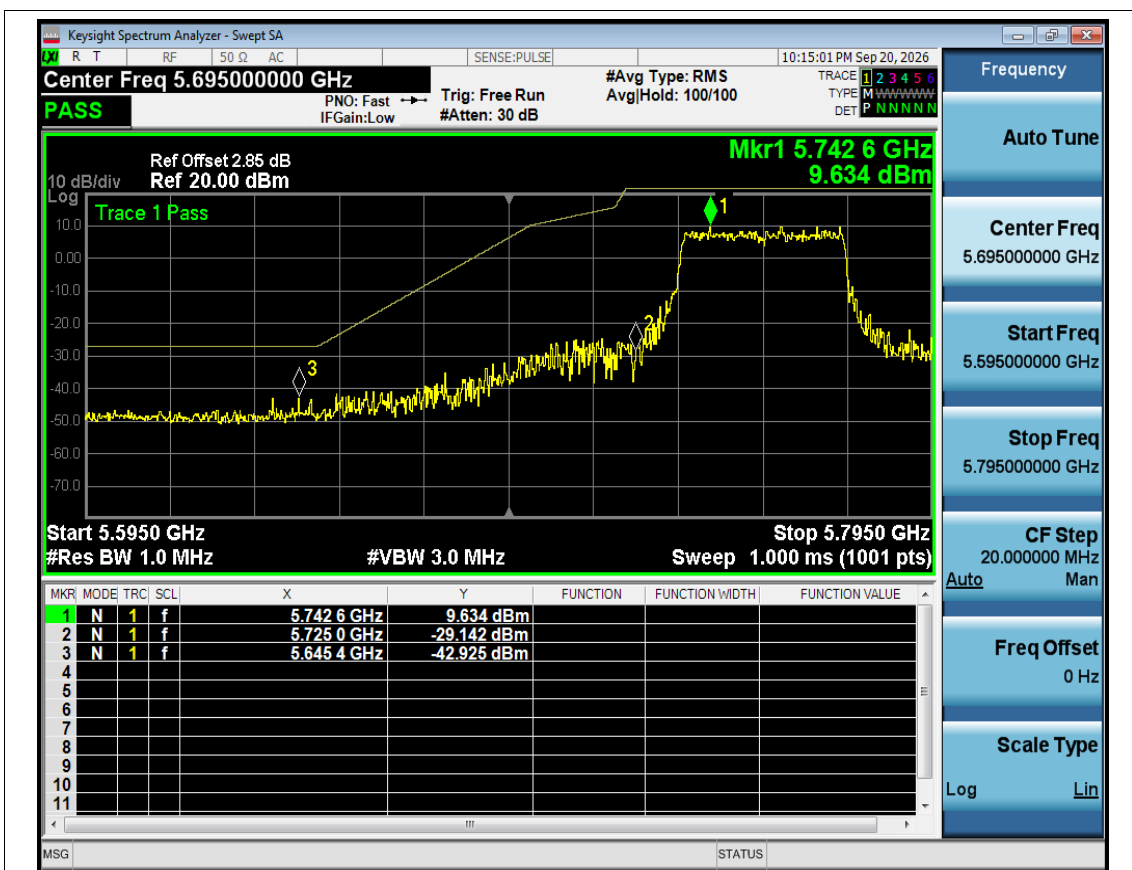
Band Edge NVNT ac40 5795MHz High Ant1



Band Edge NVNT ax20 5745MHz Low Ant1



Band Edge NVNT ax20 5825MHz High Ant1



Band Edge NVNT ax40 5755MHz Low Ant1



Band Edge NVNT ax40 5795MHz High Ant1

Frequency Stability

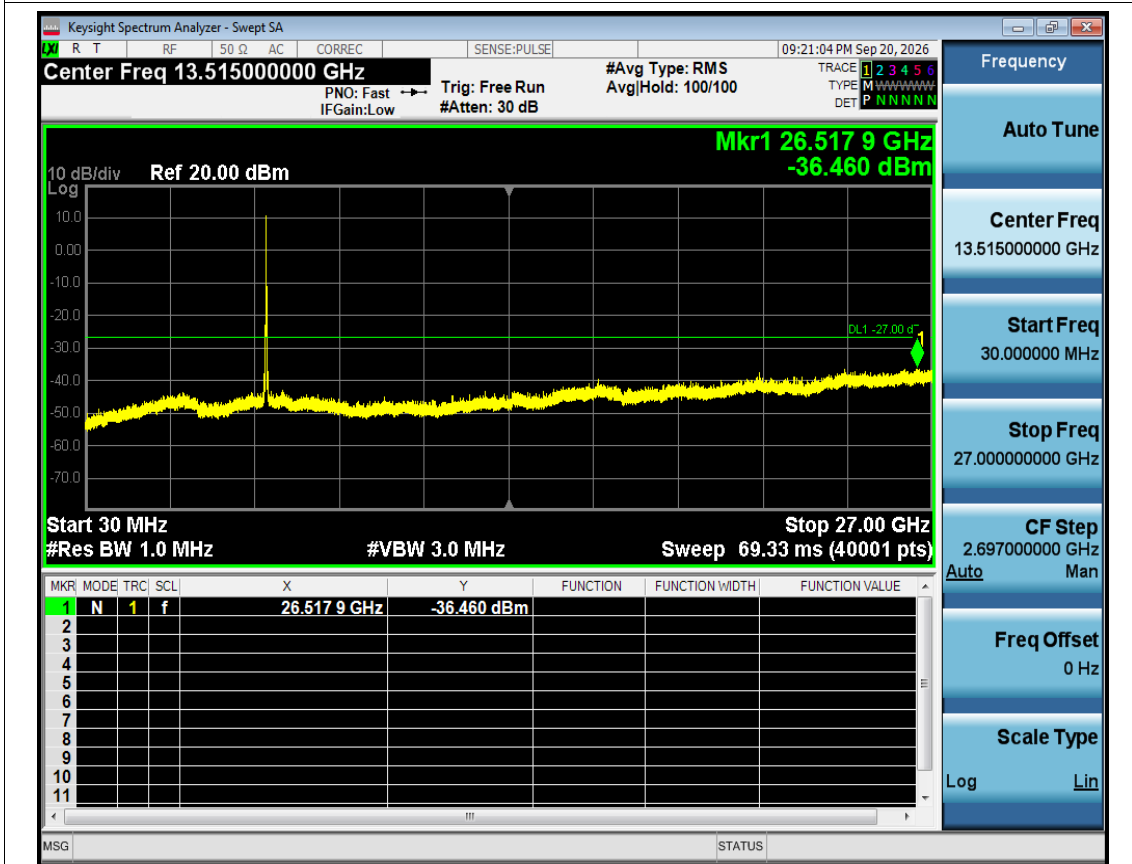
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5745	Ant1	5745	0	0	20	Pass
NVNT	a	5785	Ant1	5785	0	0	20	Pass
NVNT	a	5825	Ant1	5825	0	0	20	Pass
NVNT	n20	5745	Ant1	5744.98	-20000	-3.48	20	Pass
NVNT	n20	5785	Ant1	5784.98	-20000	-3.46	20	Pass
NVNT	n20	5825	Ant1	5824.98	-20000	-3.43	20	Pass
NVNT	n40	5755	Ant1	5755	0	0	20	Pass
NVNT	n40	5795	Ant1	5794.96	-40000	-6.9	20	Pass
NVNT	ac20	5745	Ant1	5744.98	-20000	-3.48	20	Pass
NVNT	ac20	5785	Ant1	5785	0	0	20	Pass
NVNT	ac20	5825	Ant1	5824.98	-20000	-3.43	20	Pass
NVNT	ac40	5755	Ant1	5755	0	0	20	Pass
NVNT	ac40	5795	Ant1	5795	0	0	20	Pass
NVNT	ax20	5745	Ant1	5745	0	0	20	Pass
NVNT	ax20	5785	Ant1	5785	0	0	20	Pass
NVNT	ax20	5825	Ant1	5824.98	-20000	-3.43	20	Pass
NVNT	ax40	5755	Ant1	5755	0	0	20	Pass
NVNT	ax40	5795	Ant1	5795	0	0	20	Pass

Conducted RF Spurious Emission

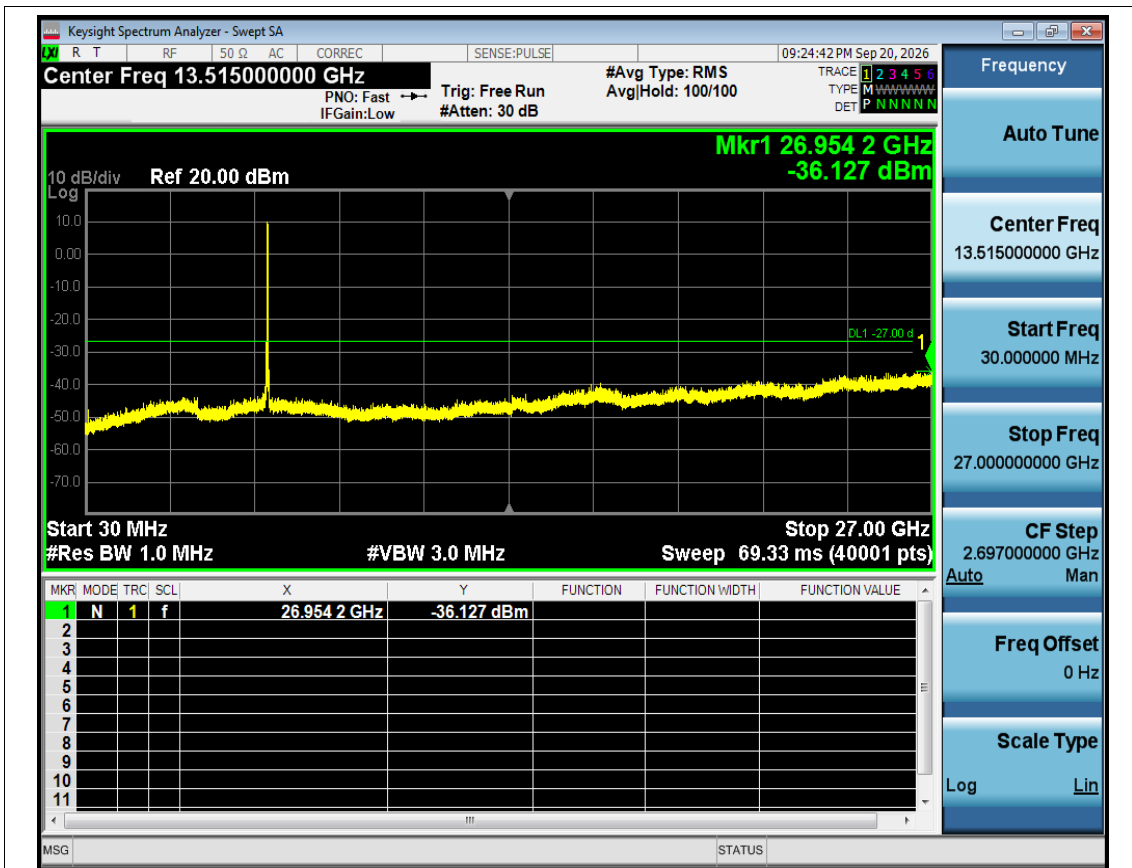
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-35.95	-27	Pass
NVNT	a	5785	Ant1	-36.45	-27	Pass
NVNT	a	5825	Ant1	-36.12	-27	Pass
NVNT	n20	5745	Ant1	-35.93	-27	Pass
NVNT	n20	5785	Ant1	-34.82	-27	Pass
NVNT	n20	5825	Ant1	-36.05	-27	Pass
NVNT	n40	5755	Ant1	-35.75	-27	Pass
NVNT	n40	5795	Ant1	-35.84	-27	Pass
NVNT	ac20	5745	Ant1	-35.98	-27	Pass
NVNT	ac20	5785	Ant1	-36.1	-27	Pass
NVNT	ac20	5825	Ant1	-36.1	-27	Pass
NVNT	ac40	5755	Ant1	-35.49	-27	Pass
NVNT	ac40	5795	Ant1	-35.9	-27	Pass
NVNT	ax20	5745	Ant1	-36.14	-27	Pass
NVNT	ax20	5785	Ant1	-34.22	-27	Pass
NVNT	ax20	5825	Ant1	-35.6	-27	Pass
NVNT	ax40	5755	Ant1	-35.89	-27	Pass
NVNT	ax40	5795	Ant1	-36.4	-27	Pass
Remark: 1. Antenna gain has been added to the spectrum for evaluation.						
2. 26.5GHz-40GHz the Spurious leve margin is the largest, so the test data only reflects 30MHz-26.5GHz.						



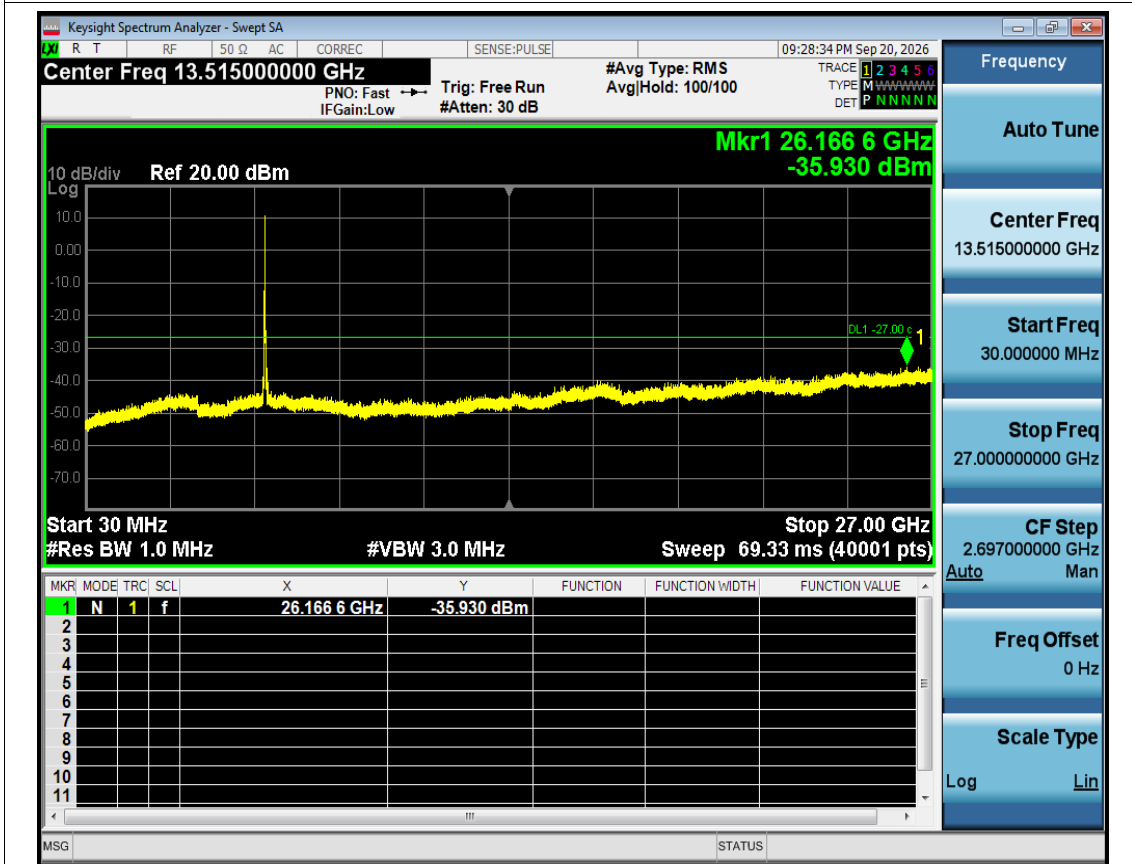
Tx. Spurious NVNT a 5745MHz Ant1 Emission



Tx. Spurious NVNT a 5785MHz Ant1 Emission



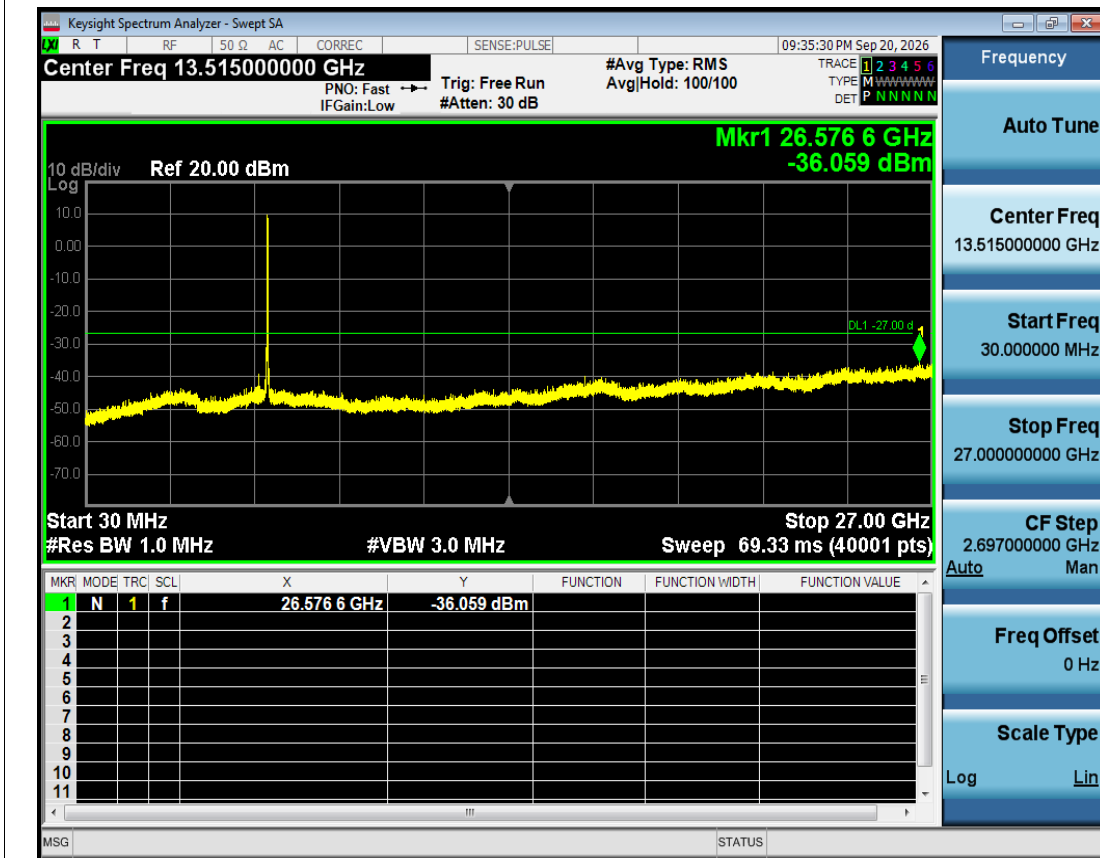
Tx. Spurious NVNT a 5825MHz Ant1 Emission



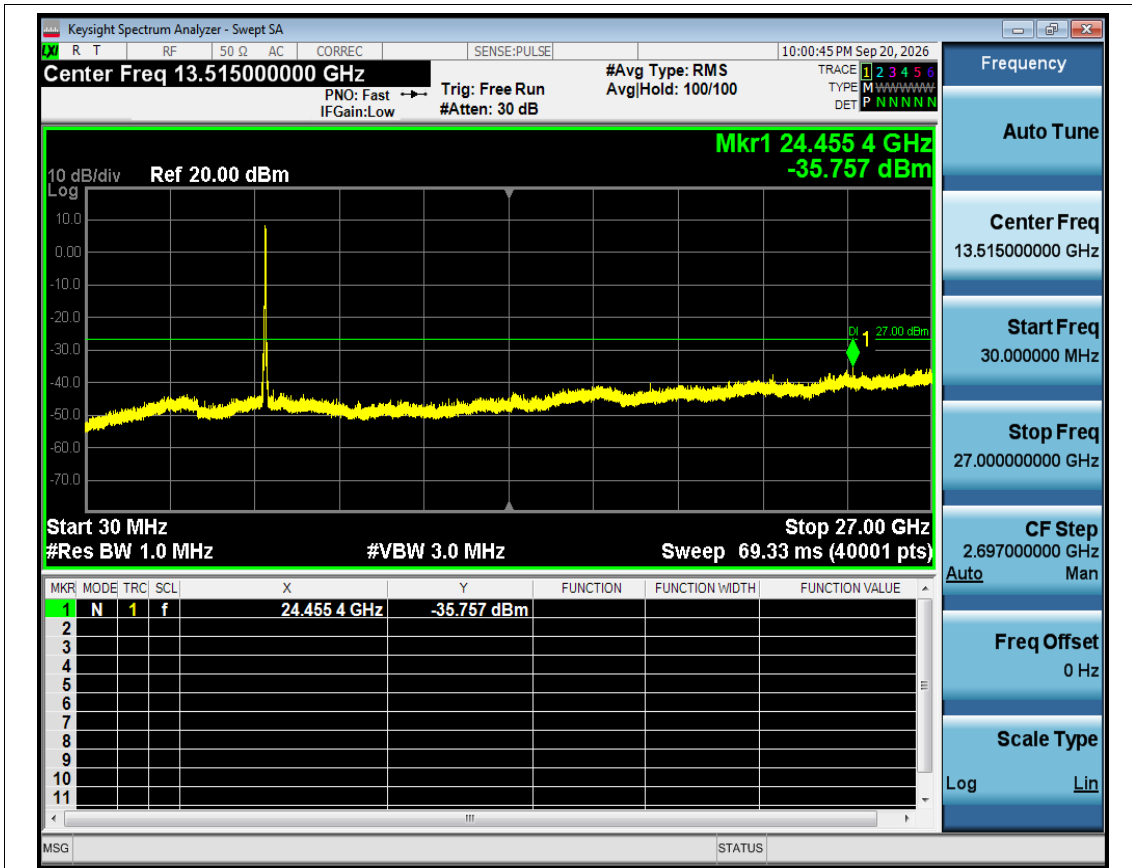
Tx. Spurious NVNT n20 5745MHz Ant1 Emission



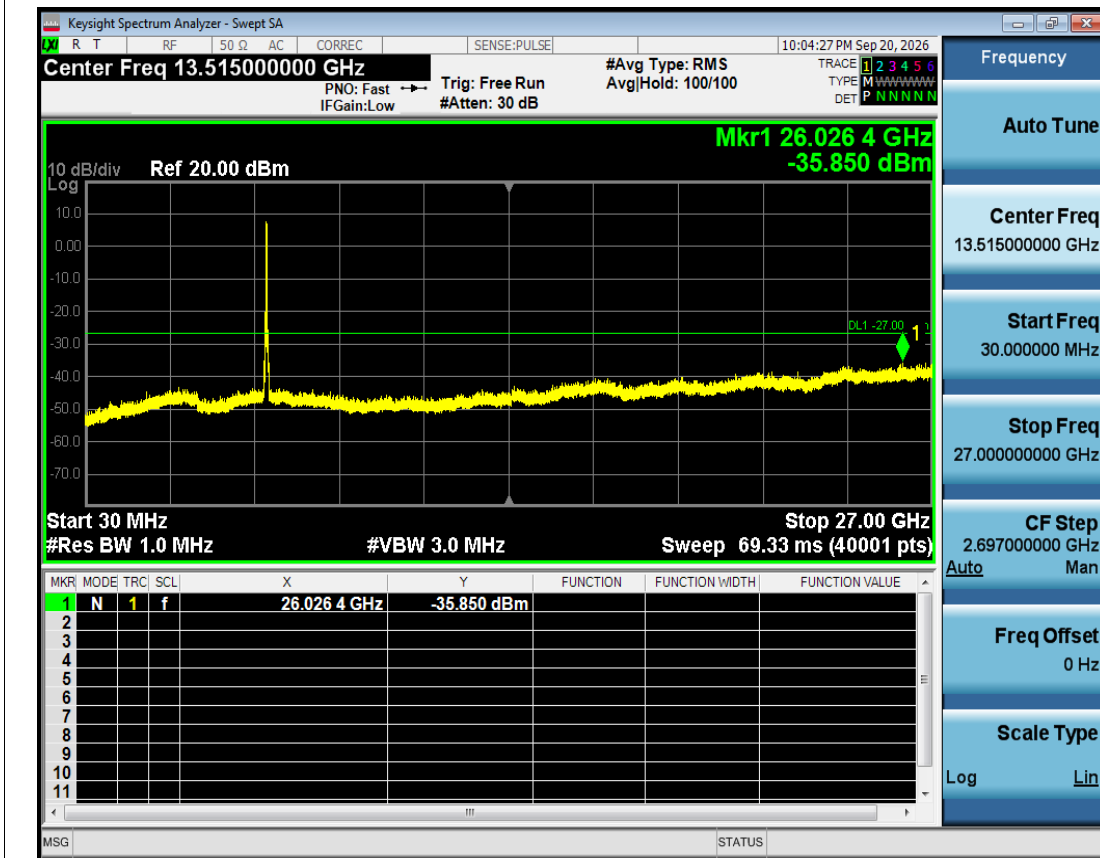
Tx. Spurious NVNT n20 5785MHz Ant1 Emission



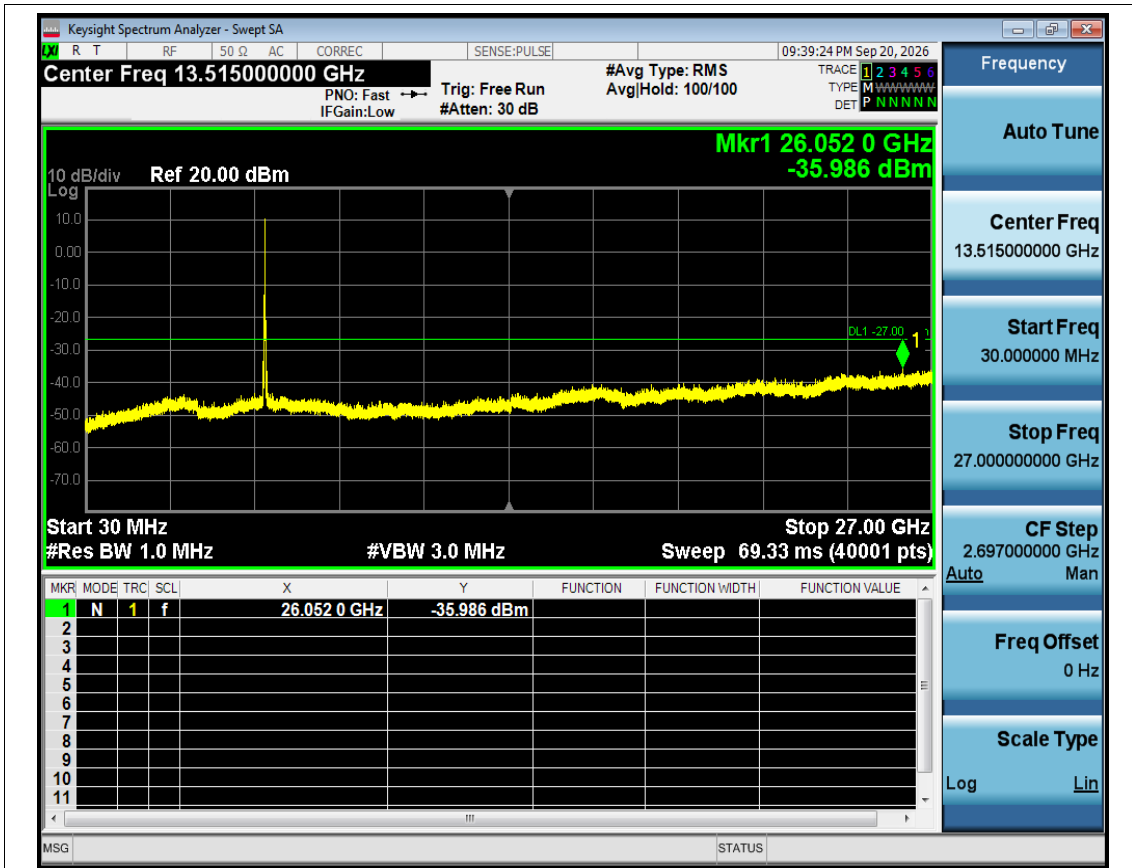
Tx. Spurious NVNT n20 5825MHz Ant1 Emission



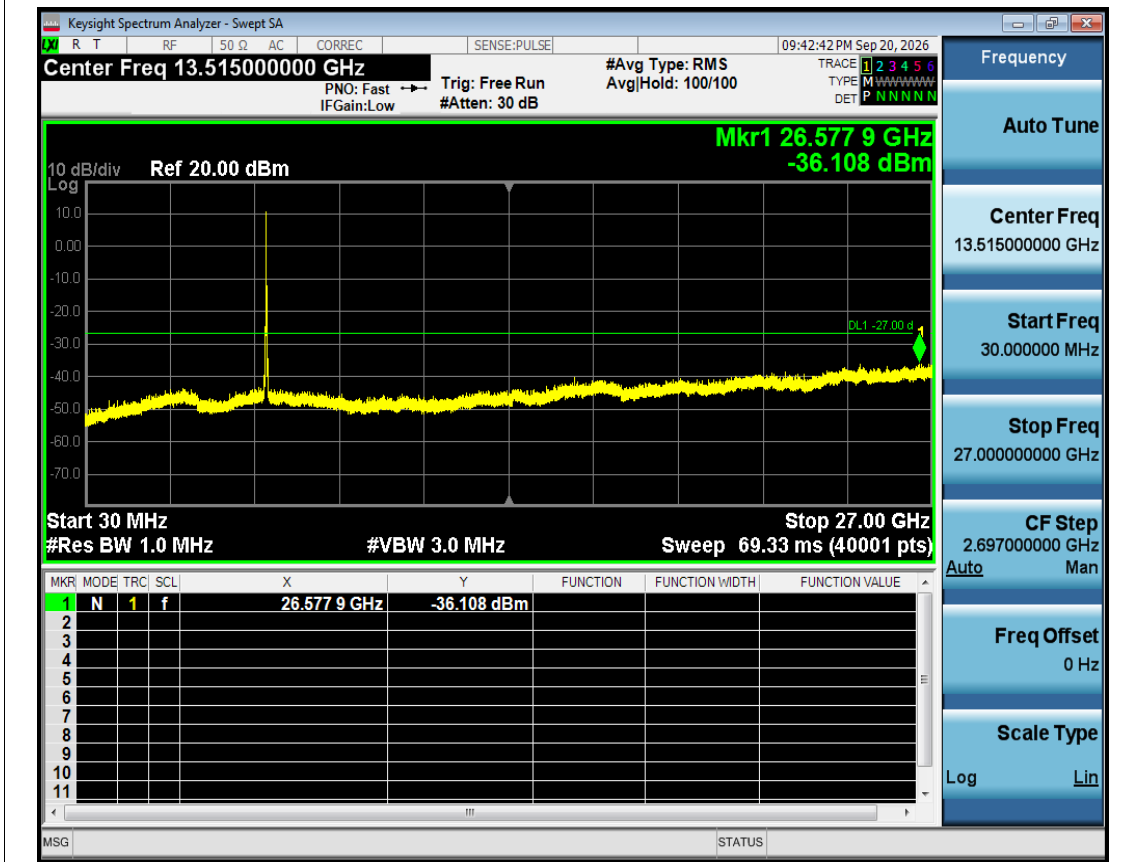
Tx. Spurious NVNT n40 5755MHz Ant1 Emission



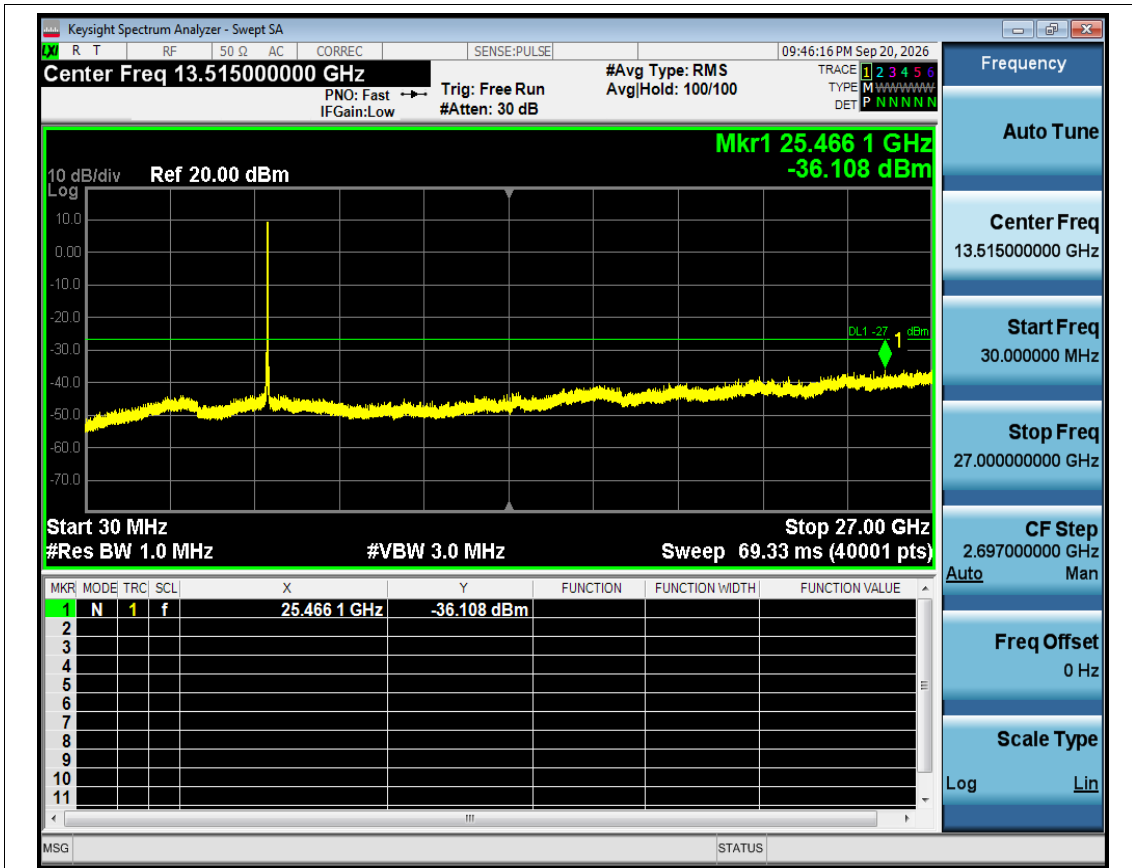
Tx. Spurious NVNT n40 5795MHz Ant1 Emission



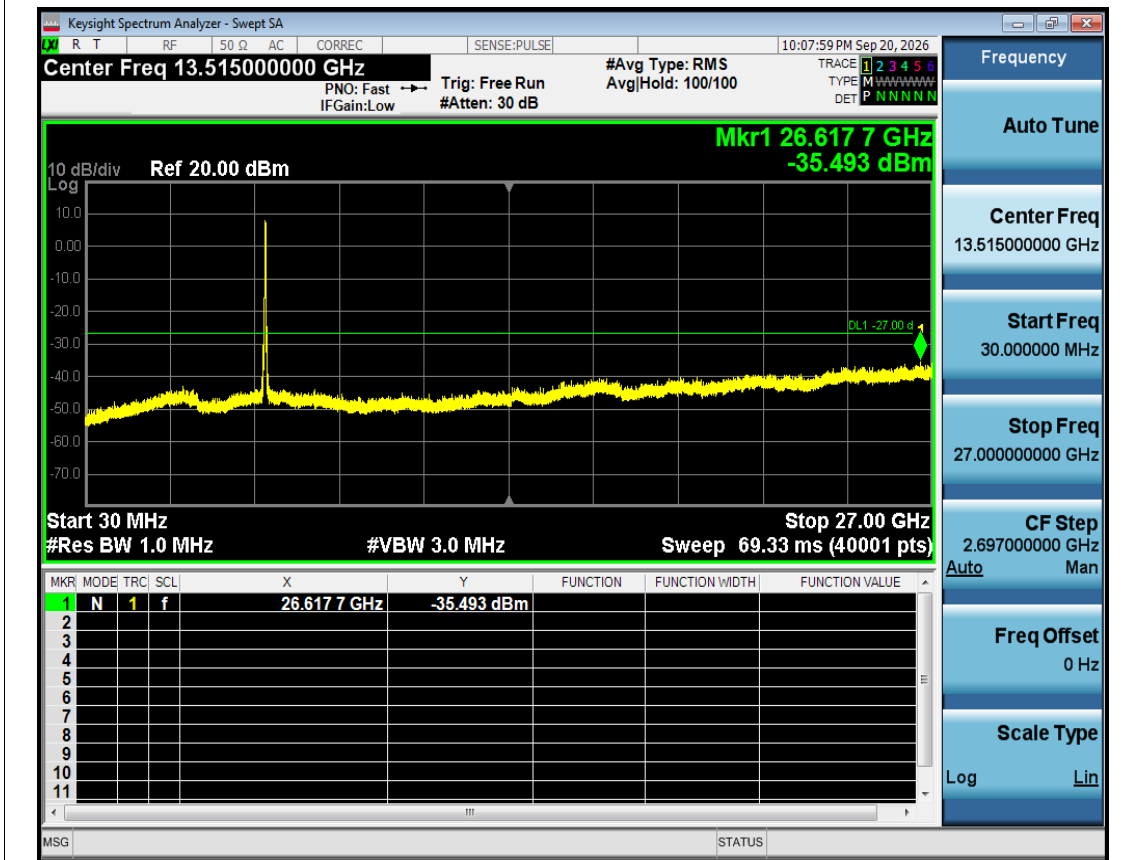
Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



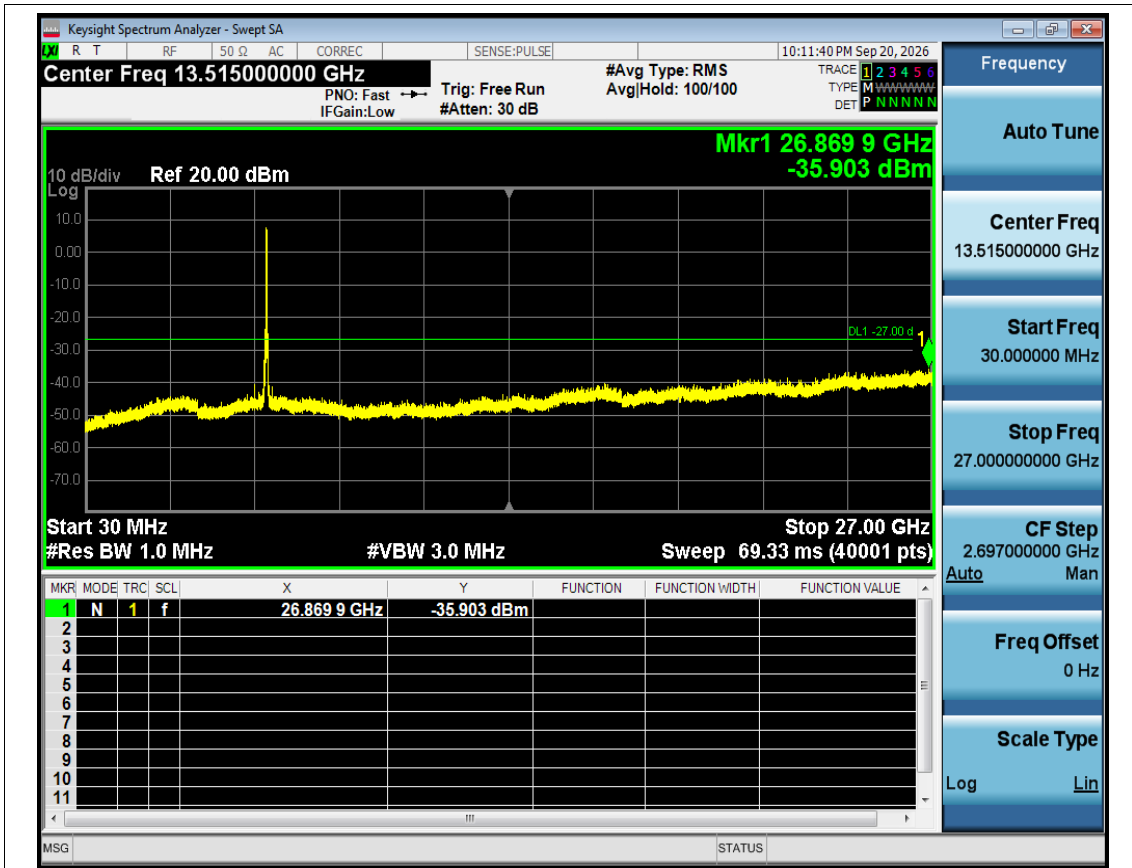
Tx. Spurious NVNT ac20 5785MHz Ant1 Emission



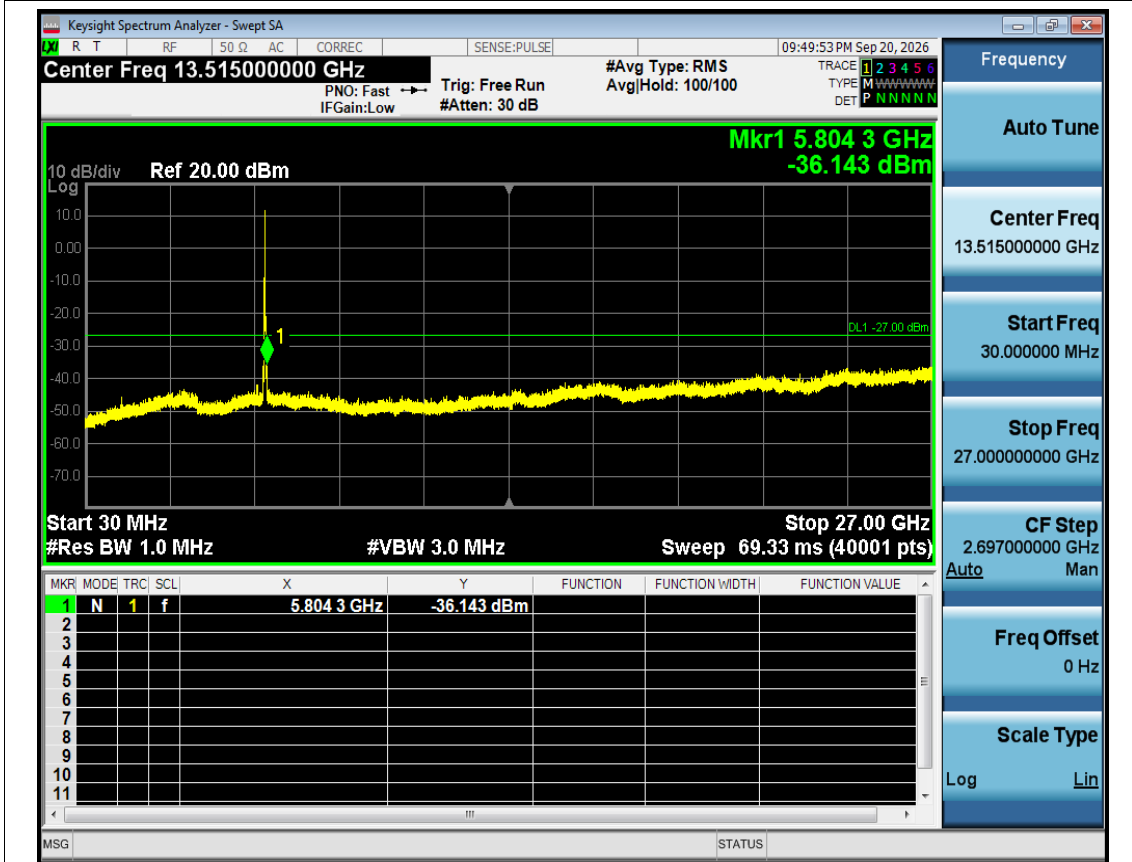
Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



Tx. Spurious NVNT ac40 5755MHz Ant1 Emission



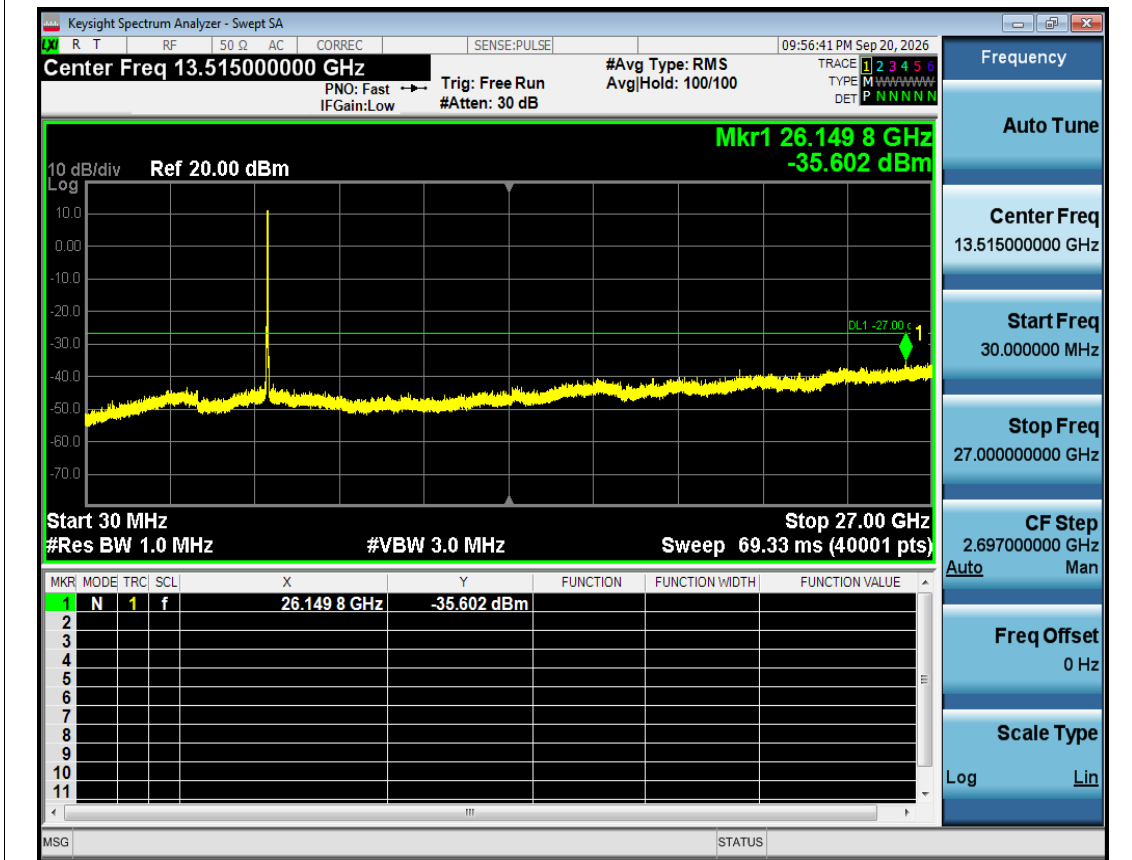
Tx. Spurious NVNT ac40 5795MHz Ant1 Emission



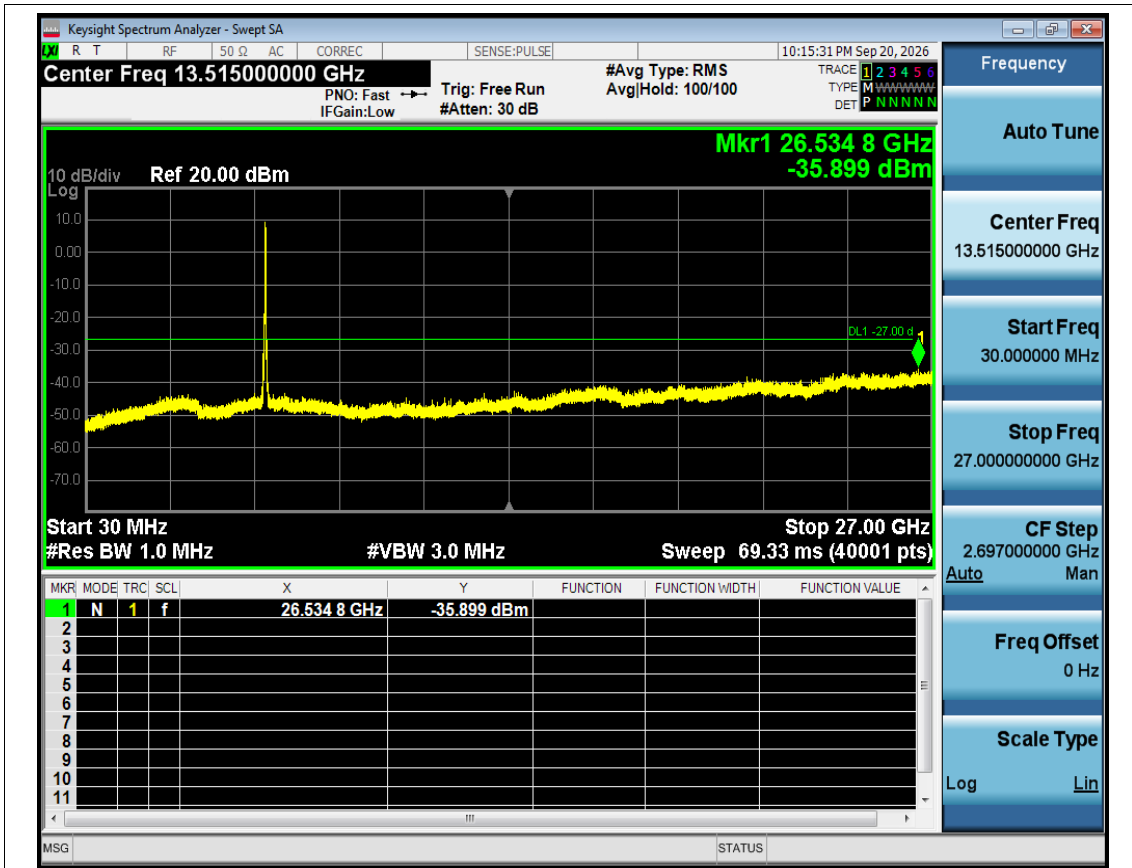
Tx. Spurious NVNT ax20 5745MHz Ant1 Emission



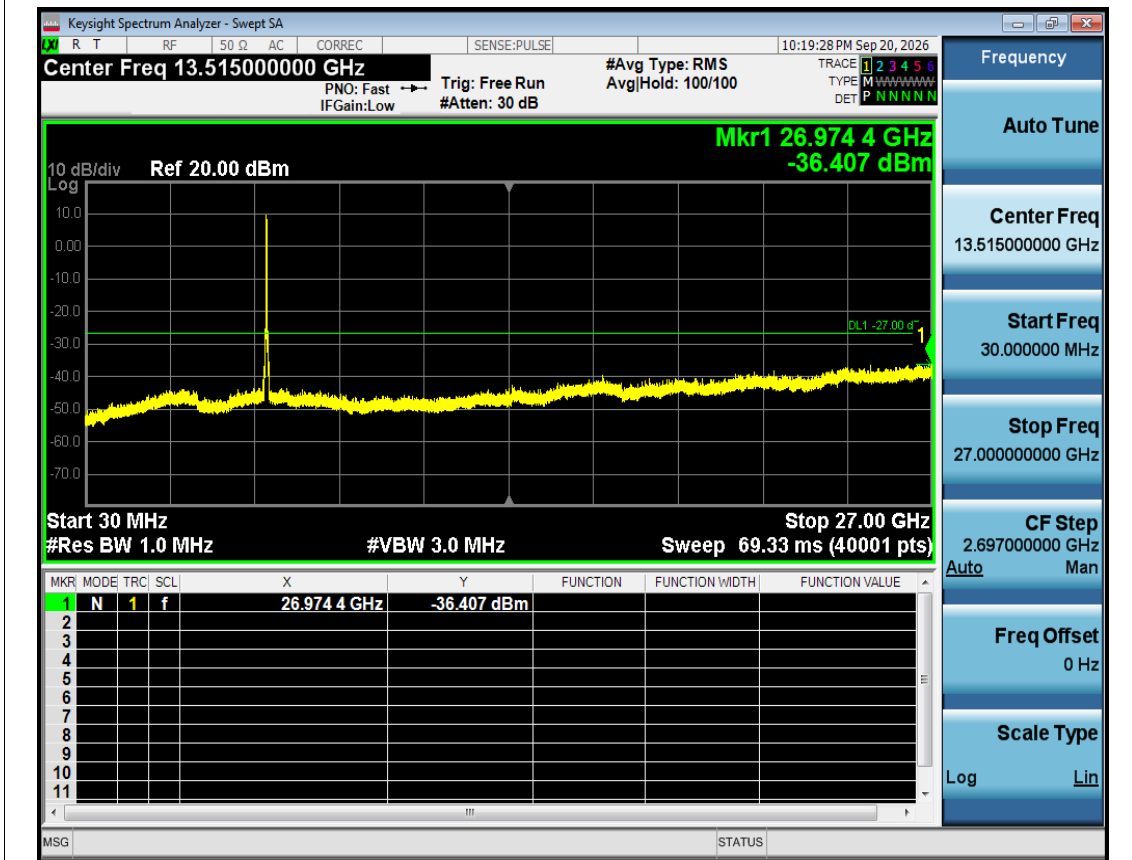
Tx. Spurious NVNT ax20 5785MHz Ant1 Emission



Tx. Spurious NVNT ax20 5825MHz Ant1 Emission



Tx. Spurious NVNT ax40 5755MHz Ant1 Emission



Tx. Spurious NVNT ax40 5795MHz Ant1 Emission