

FCC ID WiFi 5.2G 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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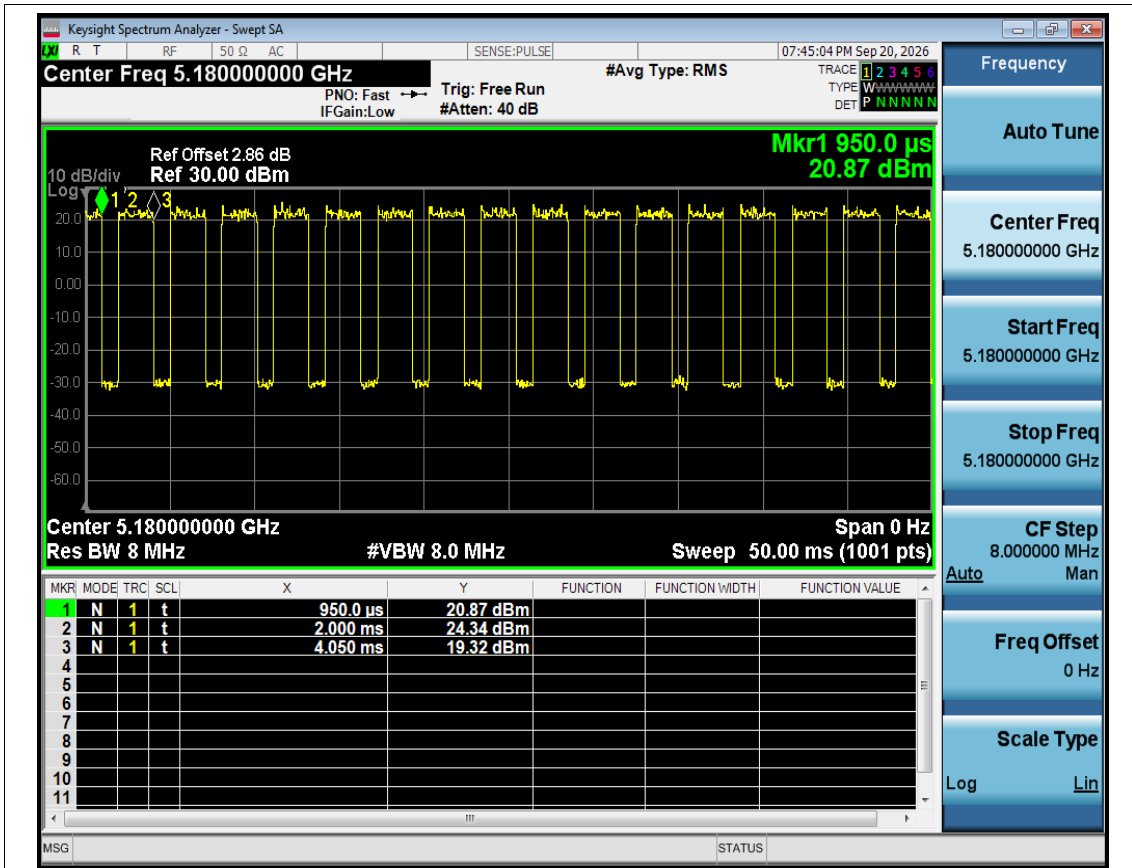
TEL: 400-8868-419

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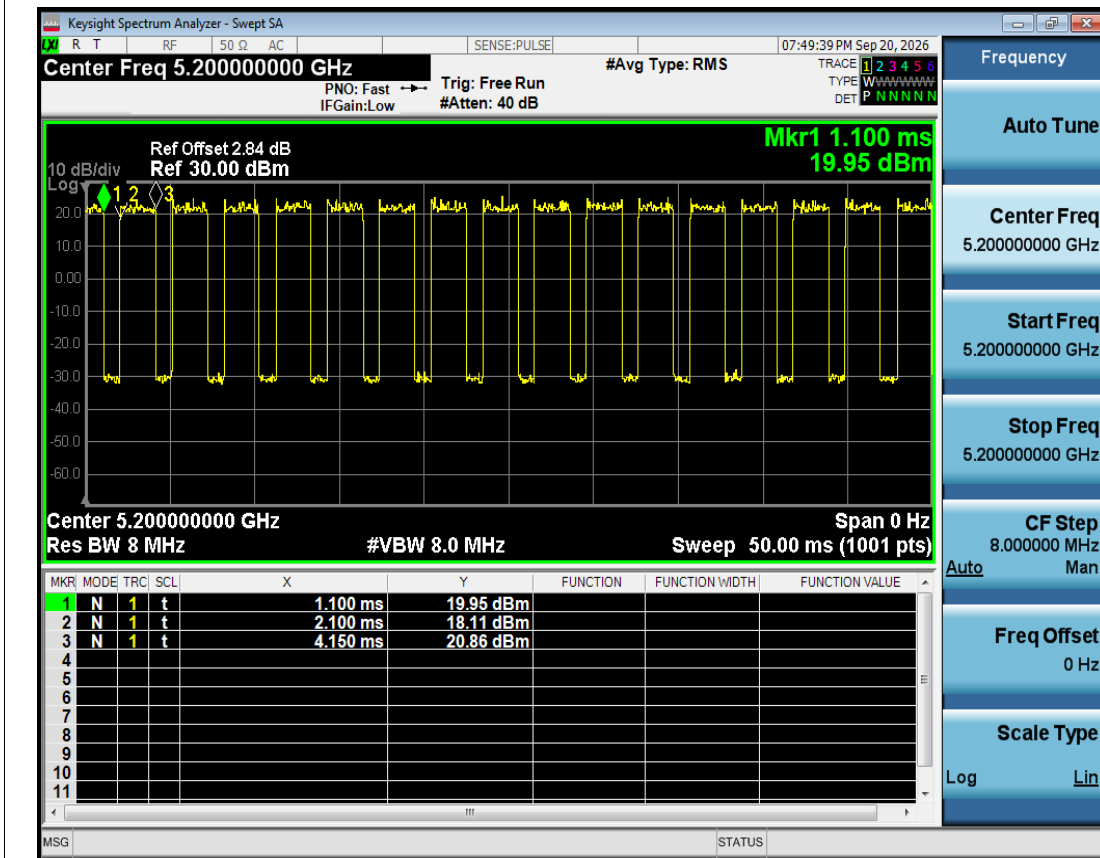
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Duty Cycle

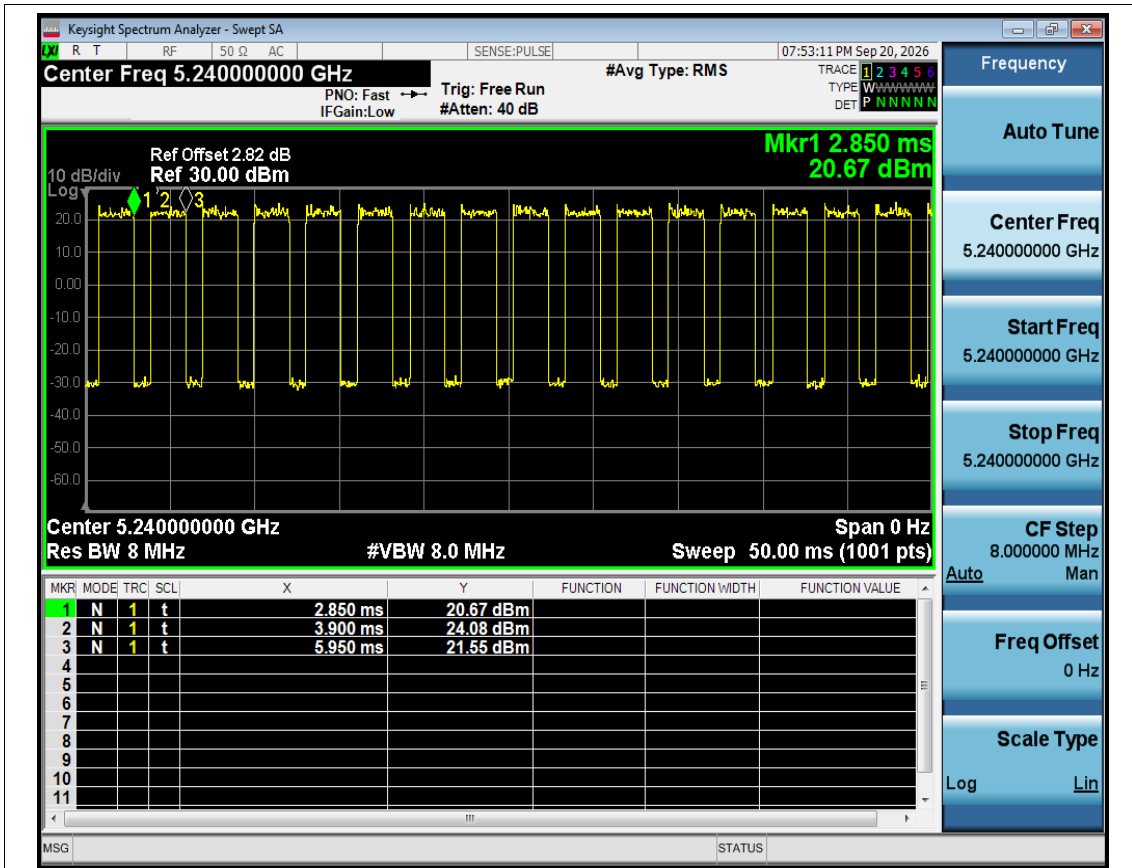
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	66.13	1.8	0.49
NVNT	a	5200	Ant1	67.21	1.73	0.49
NVNT	a	5240	Ant1	66.13	1.8	0.49
NVNT	n20	5180	Ant1	64.41	1.91	0.53
NVNT	n20	5200	Ant1	64.41	1.91	0.53
NVNT	n20	5240	Ant1	65.52	1.84	0.53
NVNT	n40	5190	Ant1	47.5	3.23	1.05
NVNT	n40	5230	Ant1	46.15	3.36	1.11
NVNT	ac20	5180	Ant1	64.41	1.91	0.53
NVNT	ac20	5200	Ant1	64.41	1.91	0.53
NVNT	ac20	5240	Ant1	64.41	1.91	0.53
NVNT	ac40	5190	Ant1	48.72	3.12	1.05
NVNT	ac40	5230	Ant1	48.72	3.12	1.05
NVNT	ax20	5180	Ant1	58	2.37	0.69
NVNT	ax20	5200	Ant1	58	2.37	0.69
NVNT	ax20	5240	Ant1	60	2.22	0.67
NVNT	ax40	5190	Ant1	42.86	3.68	1.33
NVNT	ax40	5230	Ant1	41.67	3.8	1.33



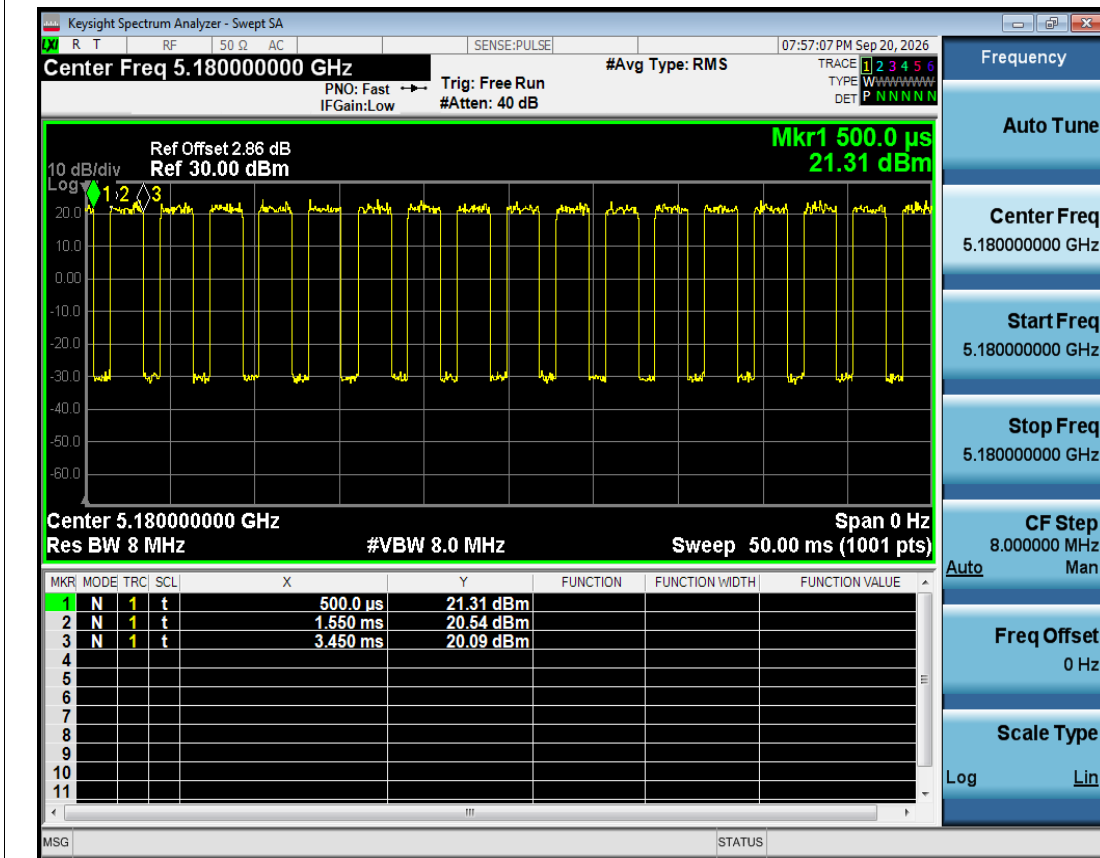
Duty Cycle NVNT a 5180MHz Ant1



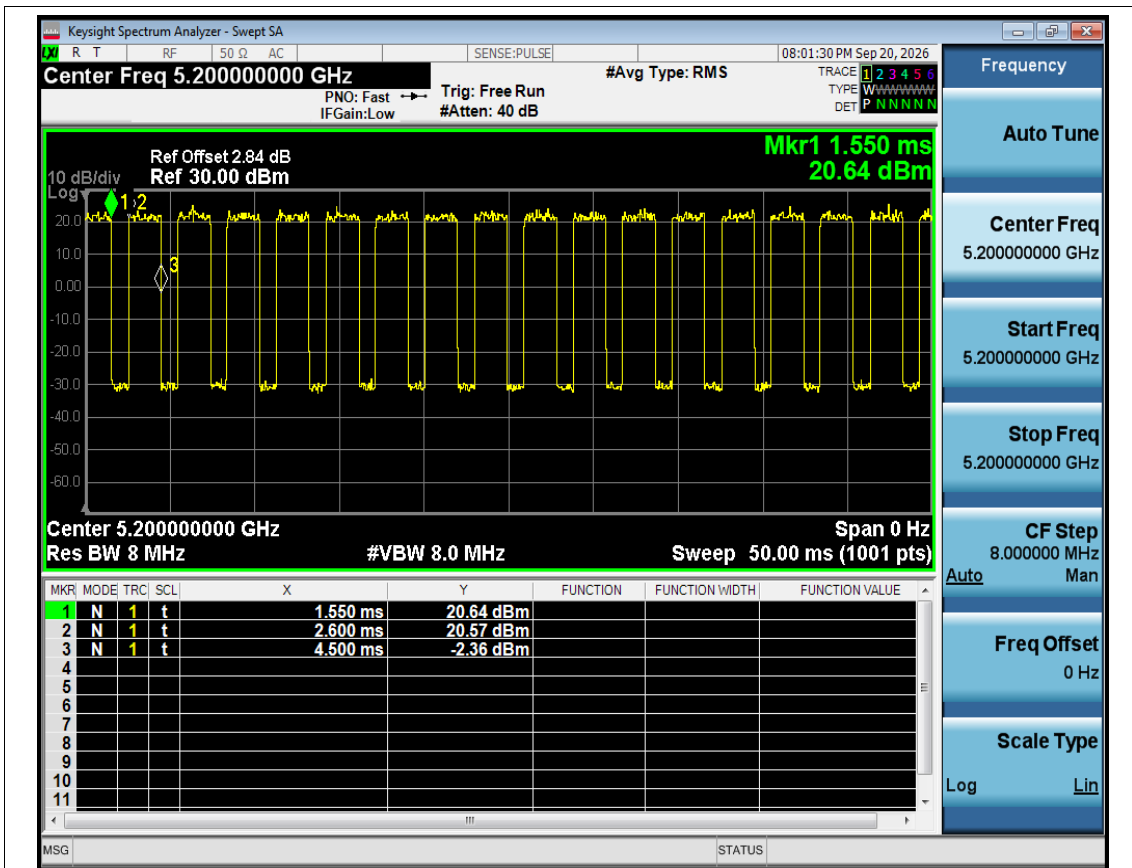
Duty Cycle NVNT a 5200MHz Ant1



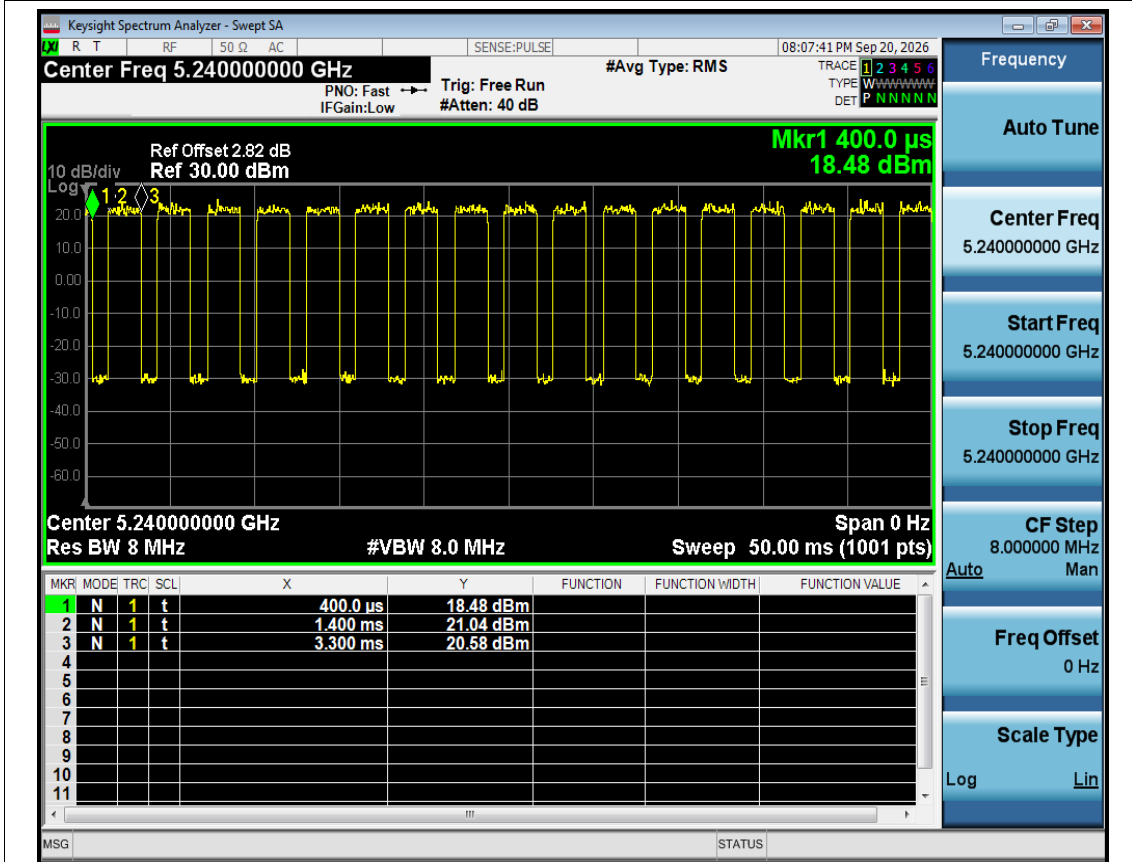
Duty Cycle NVNT a 5240MHz Ant1



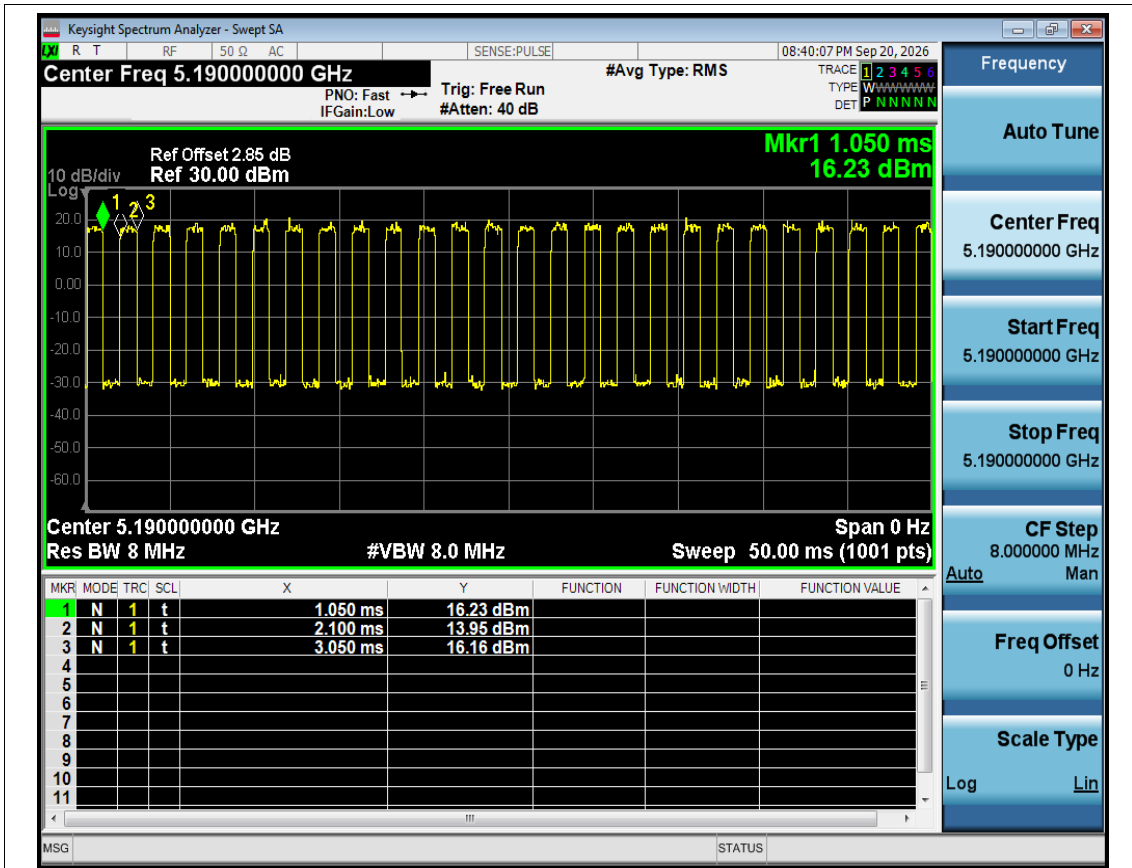
Duty Cycle NVNT n20 5180MHz Ant1



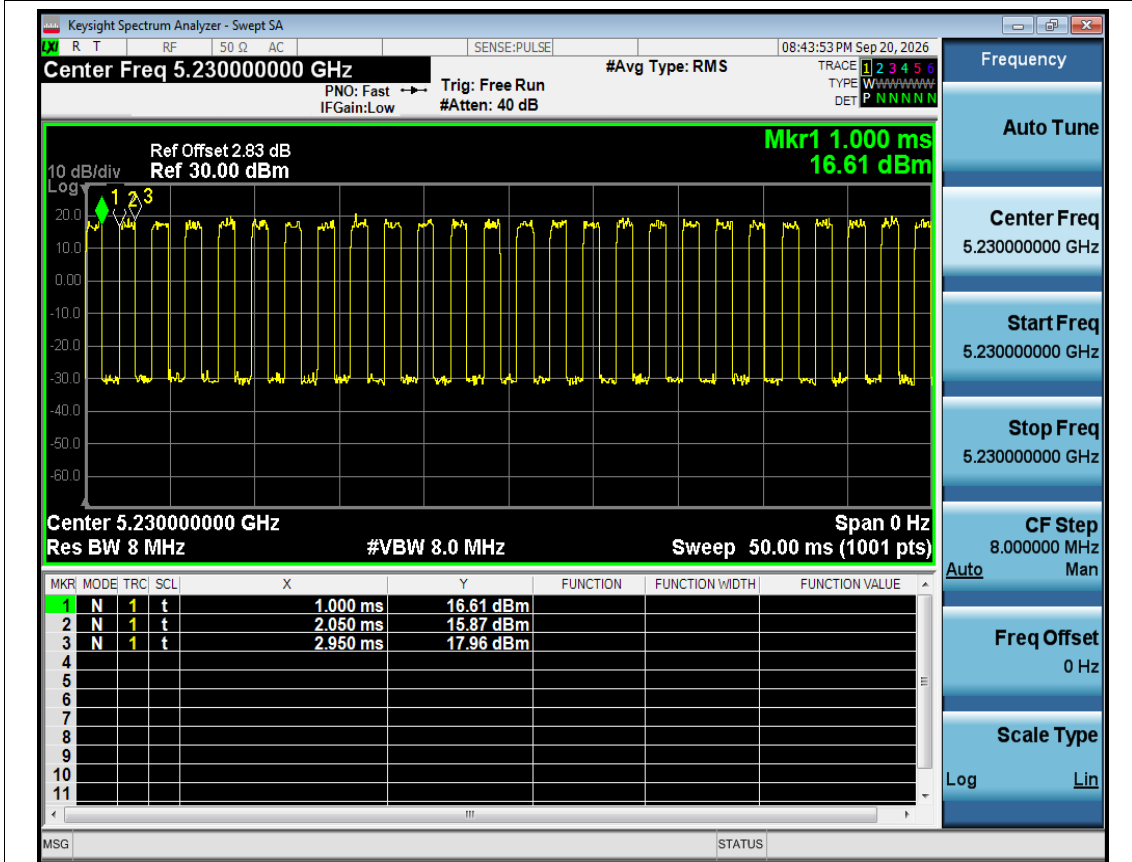
Duty Cycle NVNT n20 5200MHz Ant1



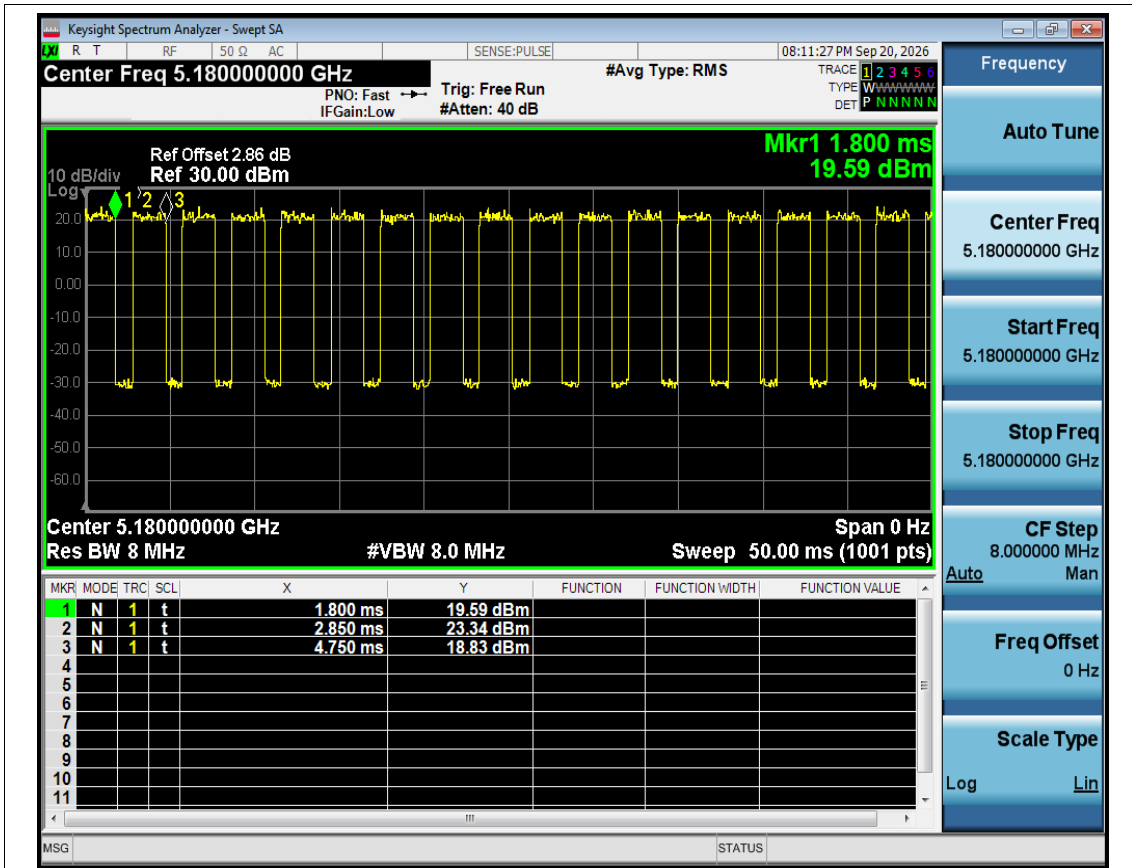
Duty Cycle NVNT n20 5240MHz Ant1



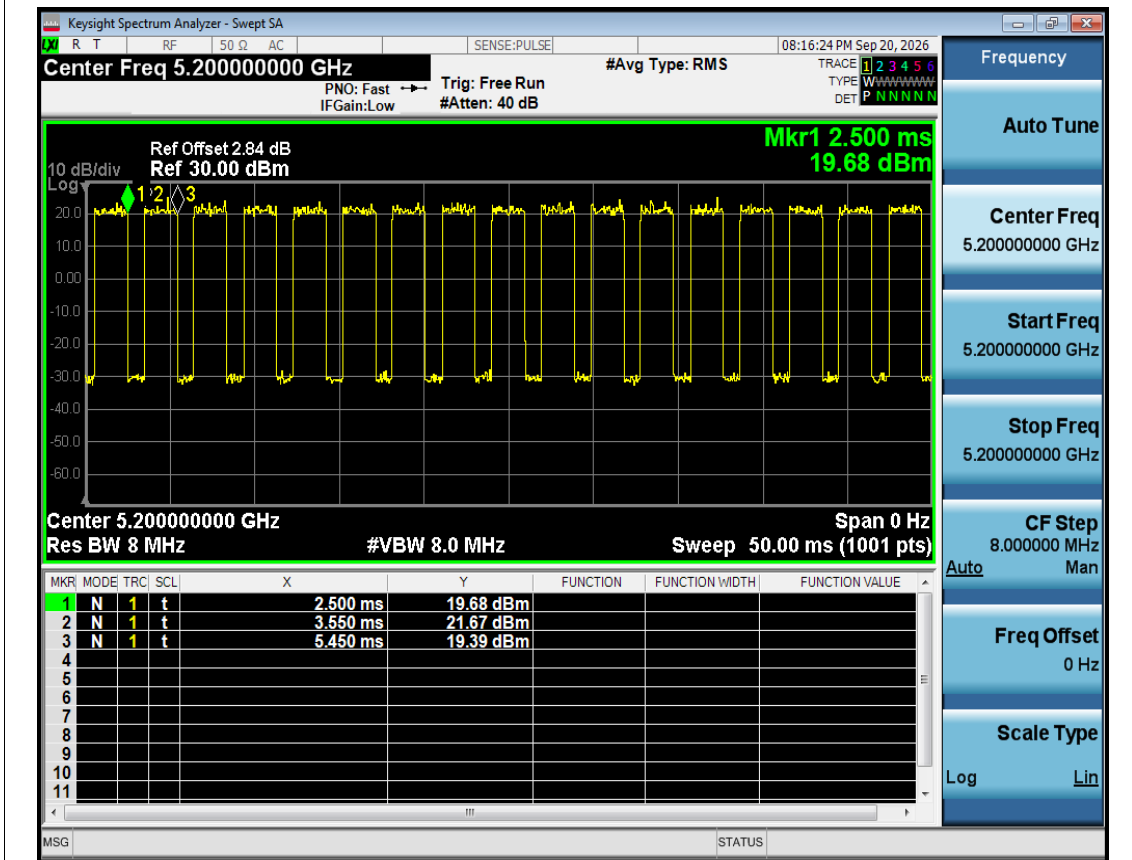
Duty Cycle NVNT n40 5190MHz Ant1



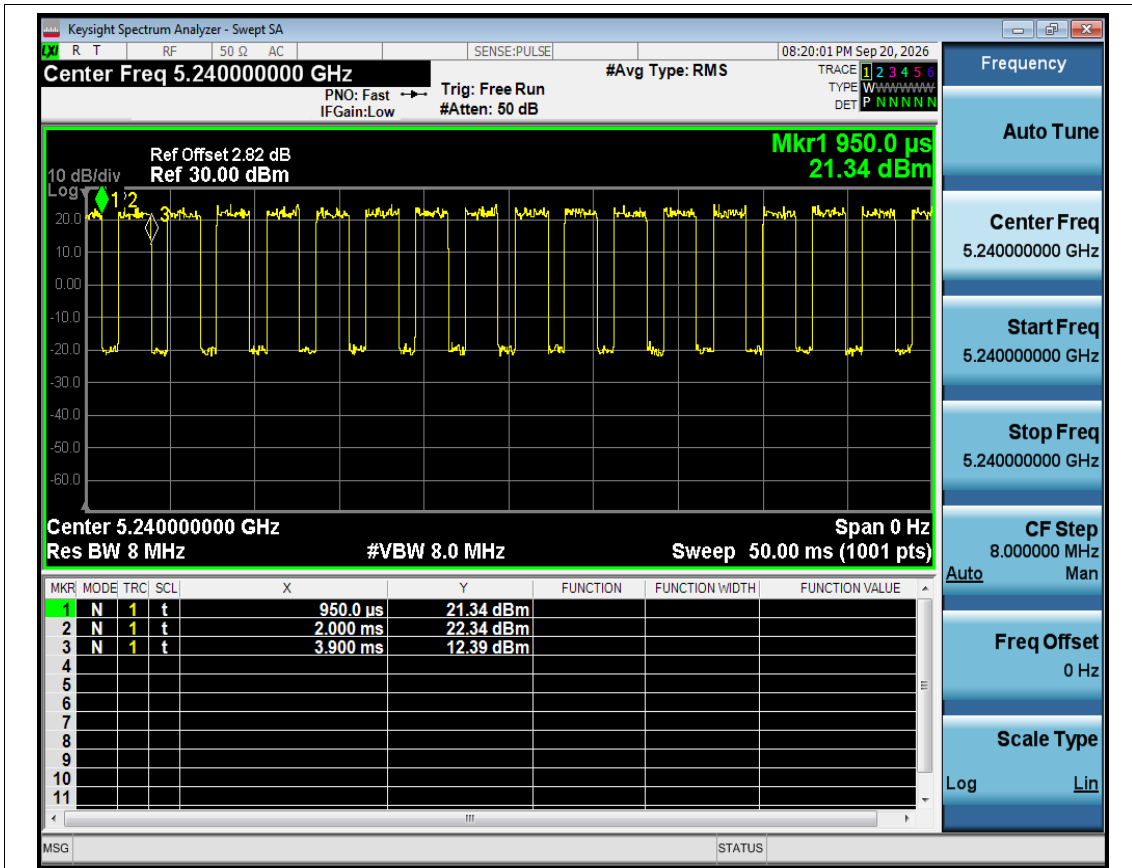
Duty Cycle NVNT n40 5230MHz Ant1



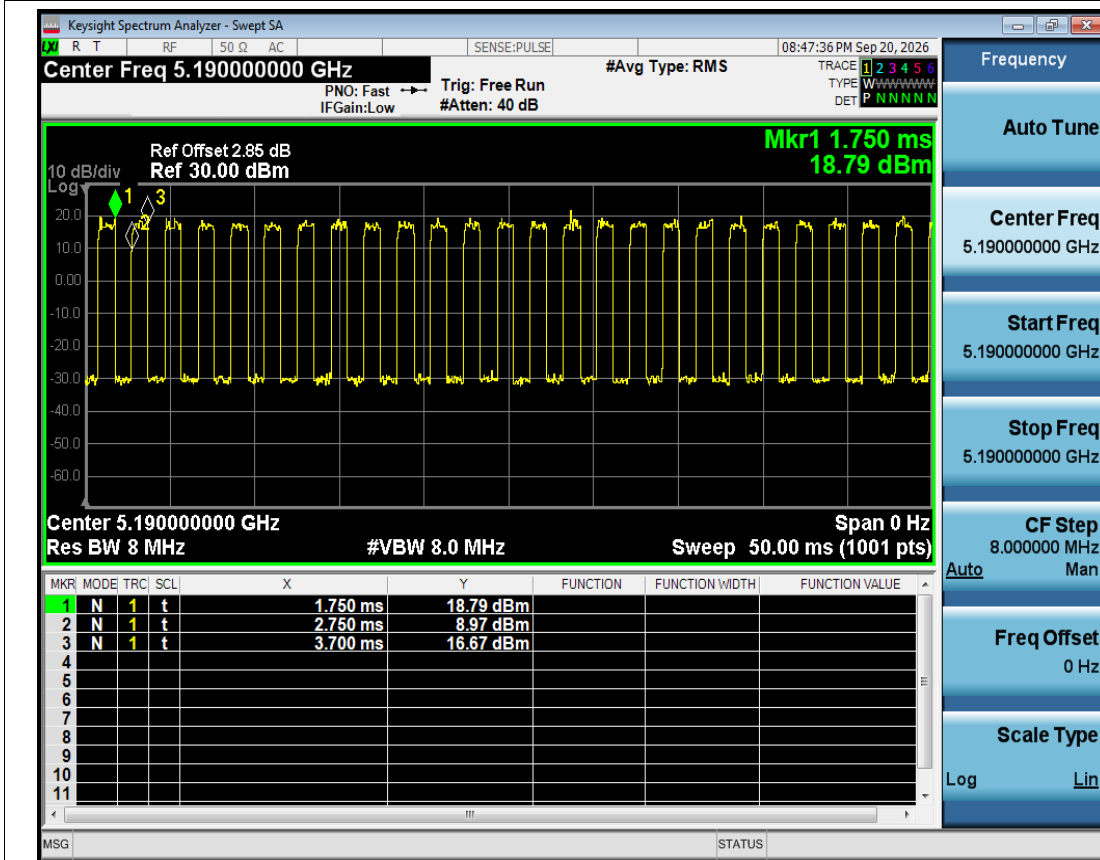
Duty Cycle NVNT ac20 5180MHz Ant1



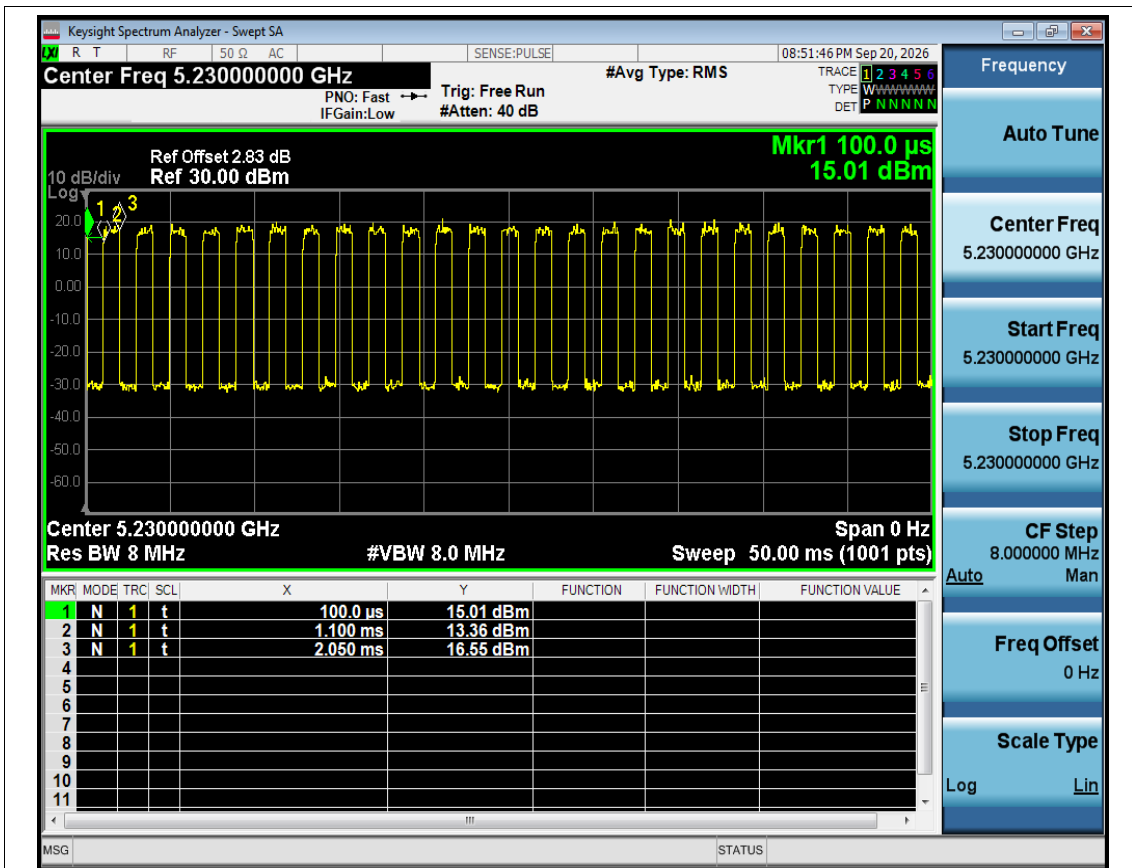
Duty Cycle NVNT ac20 5200MHz Ant1



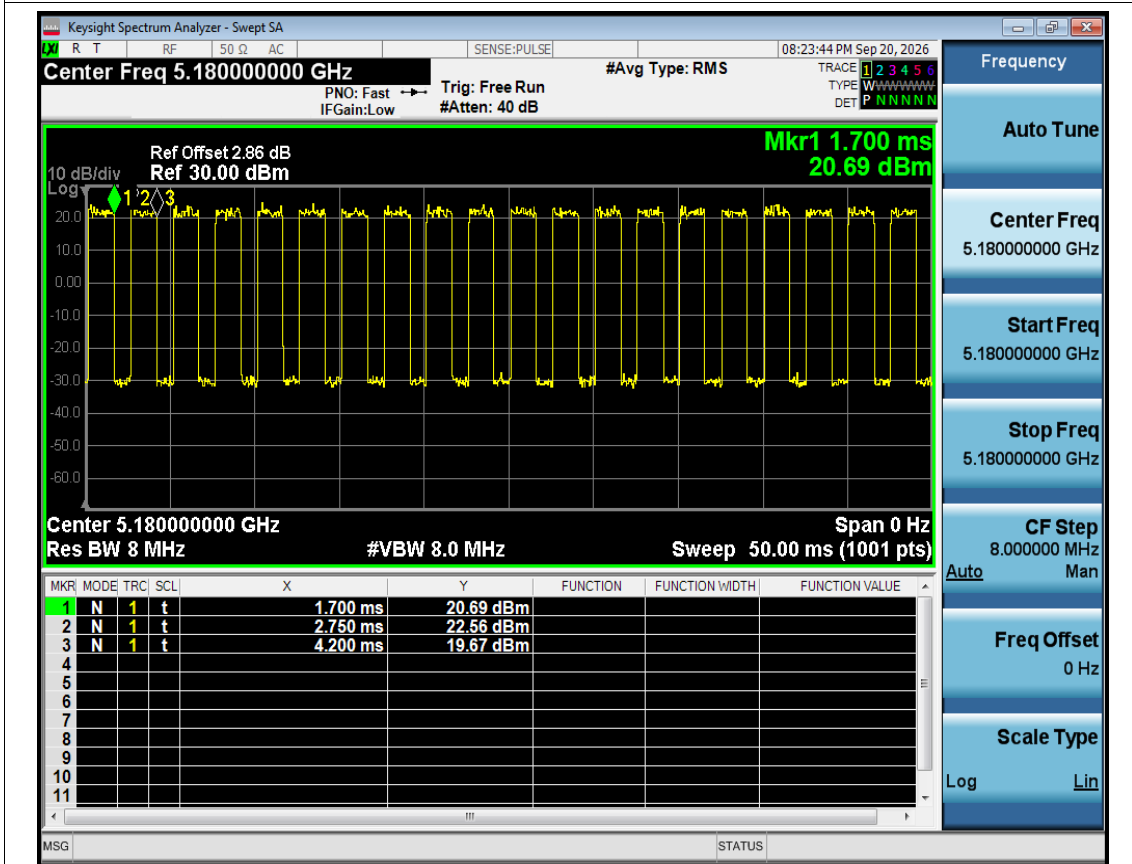
Duty Cycle NVNT ac20 5240MHz Ant1



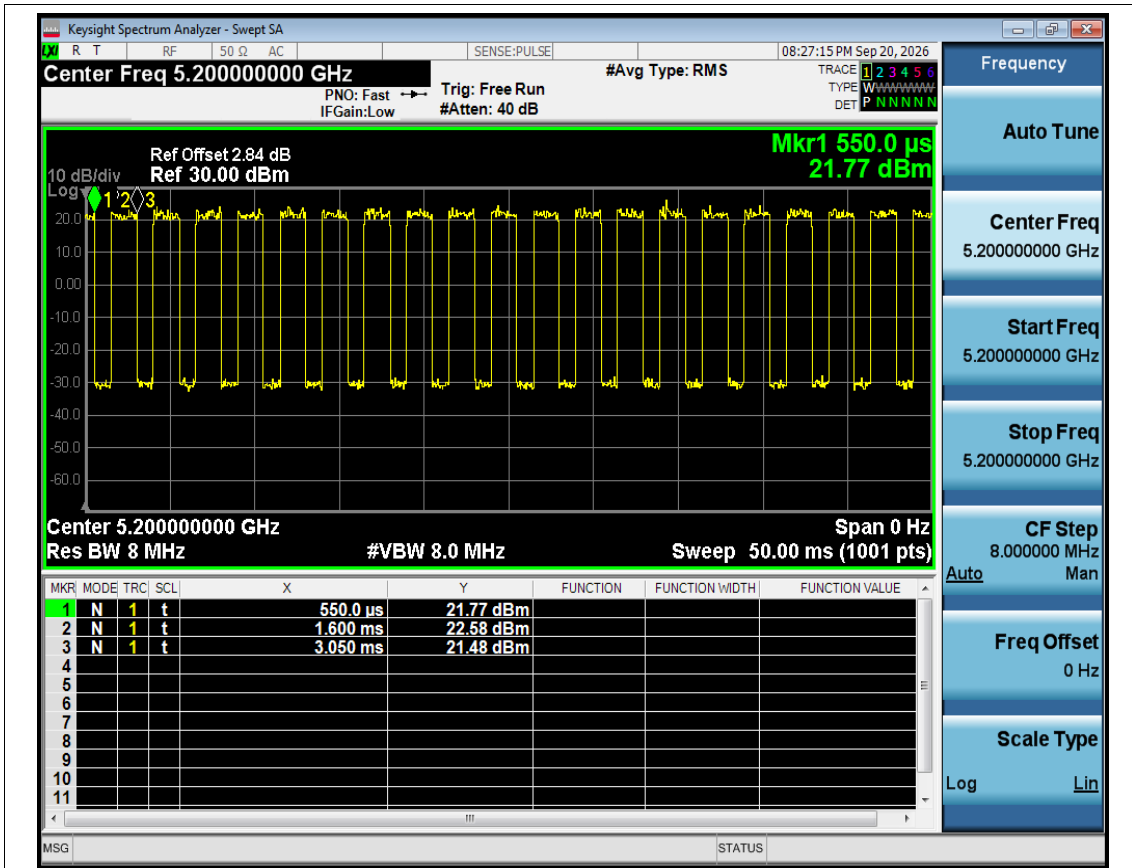
Duty Cycle NVNT ac40 5190MHz Ant1



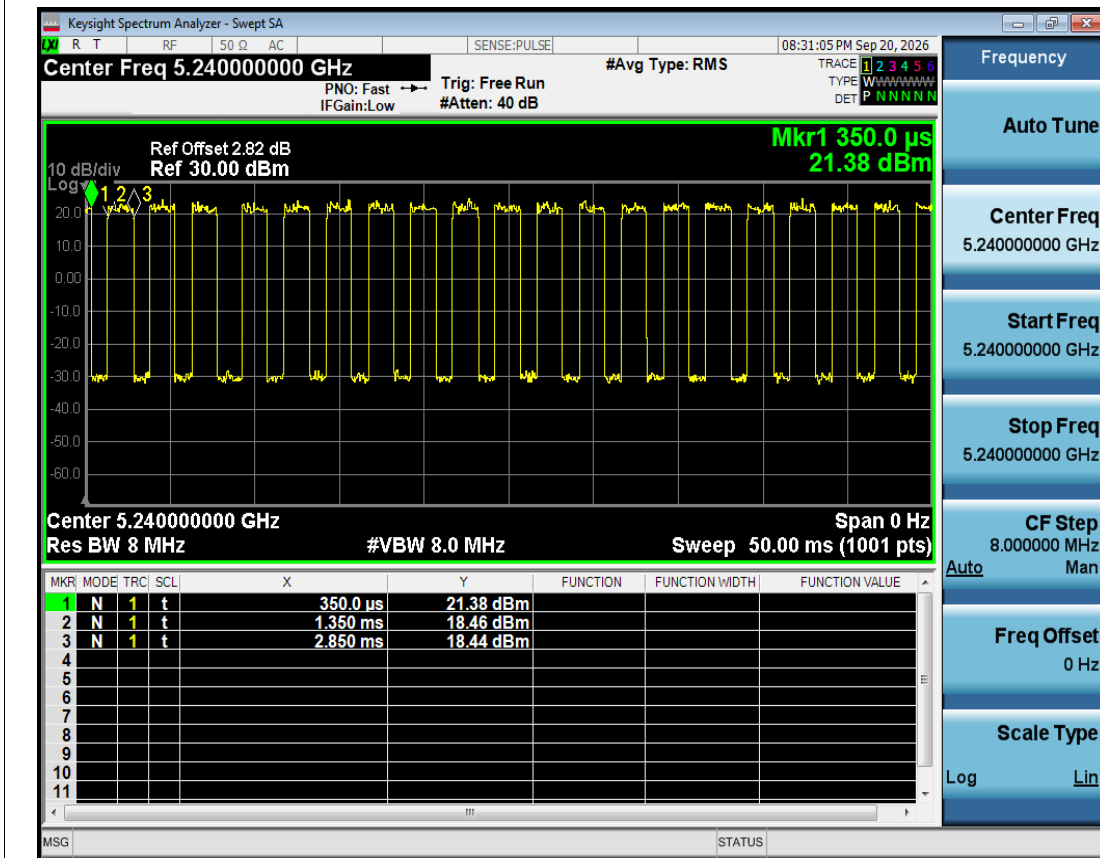
Duty Cycle NVNT ac40 5230MHz Ant1



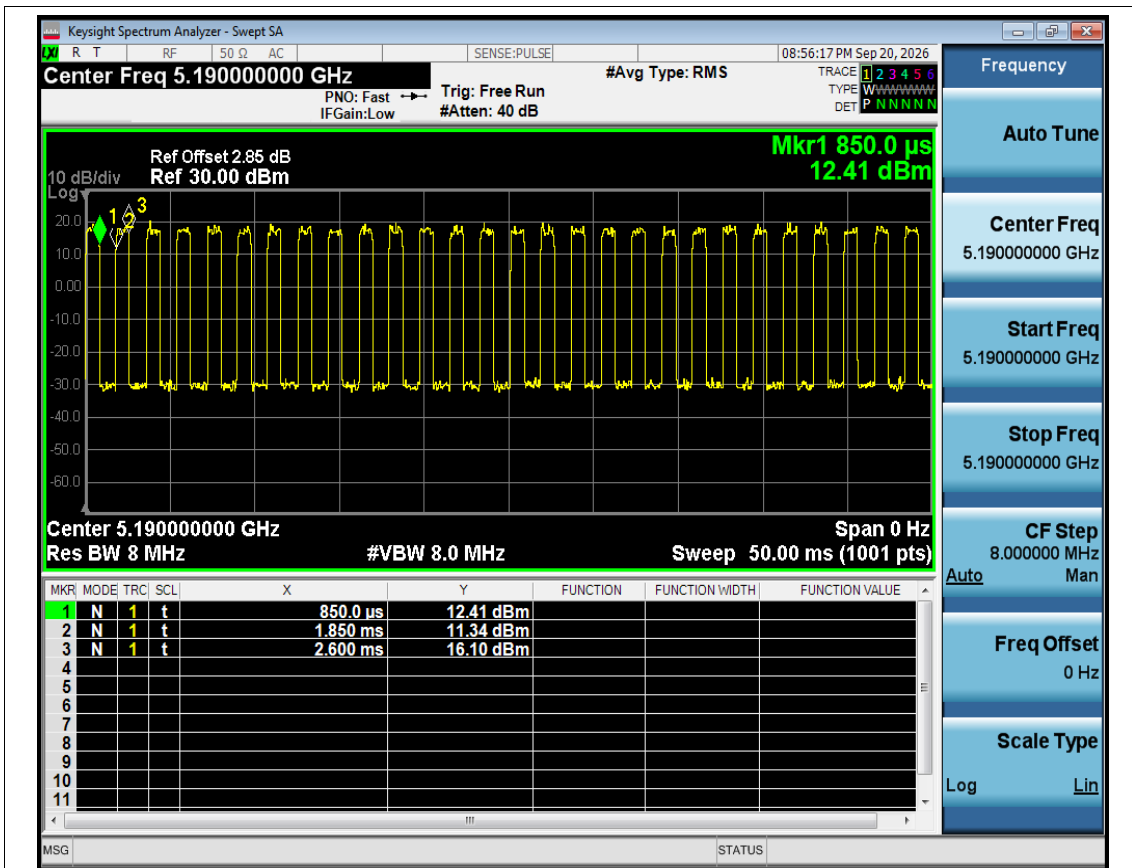
Duty Cycle NVNT ax20 5180MHz Ant1



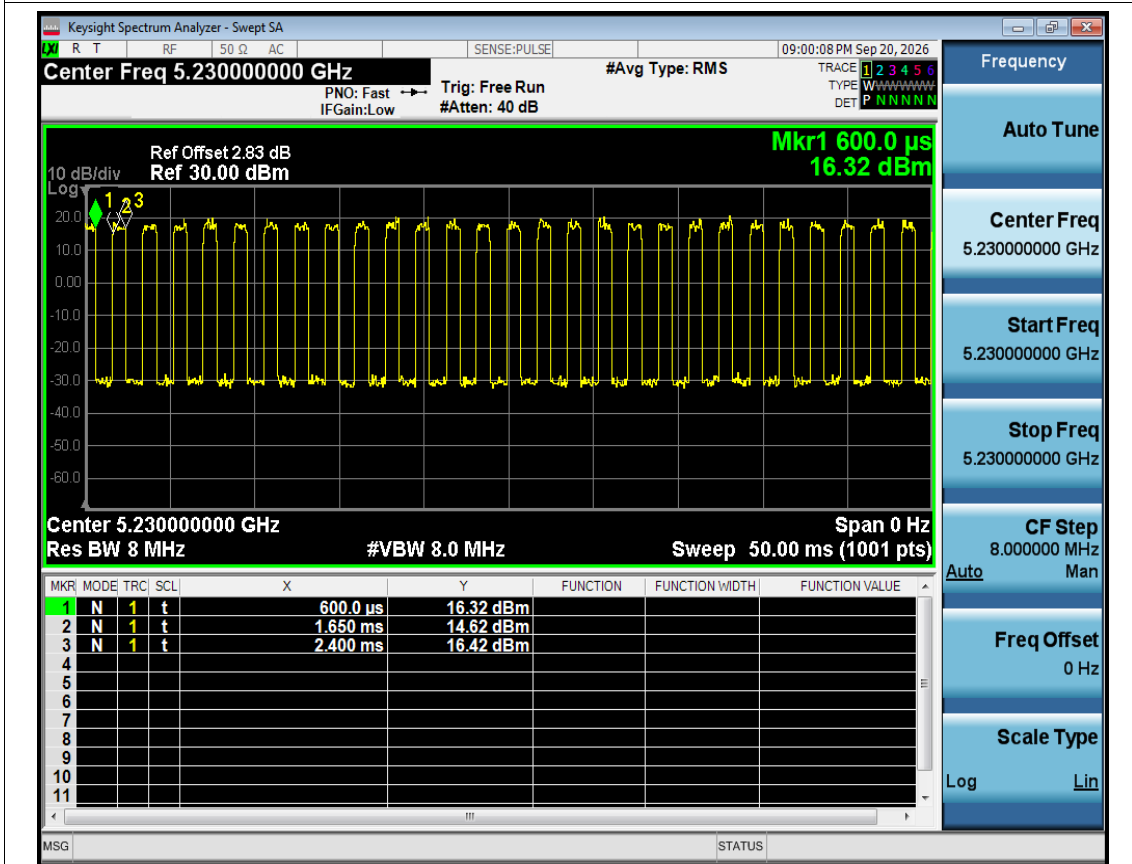
Duty Cycle NVNT ax20 5200MHz Ant1



Duty Cycle NVNT ax20 5240MHz Ant1



Duty Cycle NVNT ax40 5190MHz Ant1



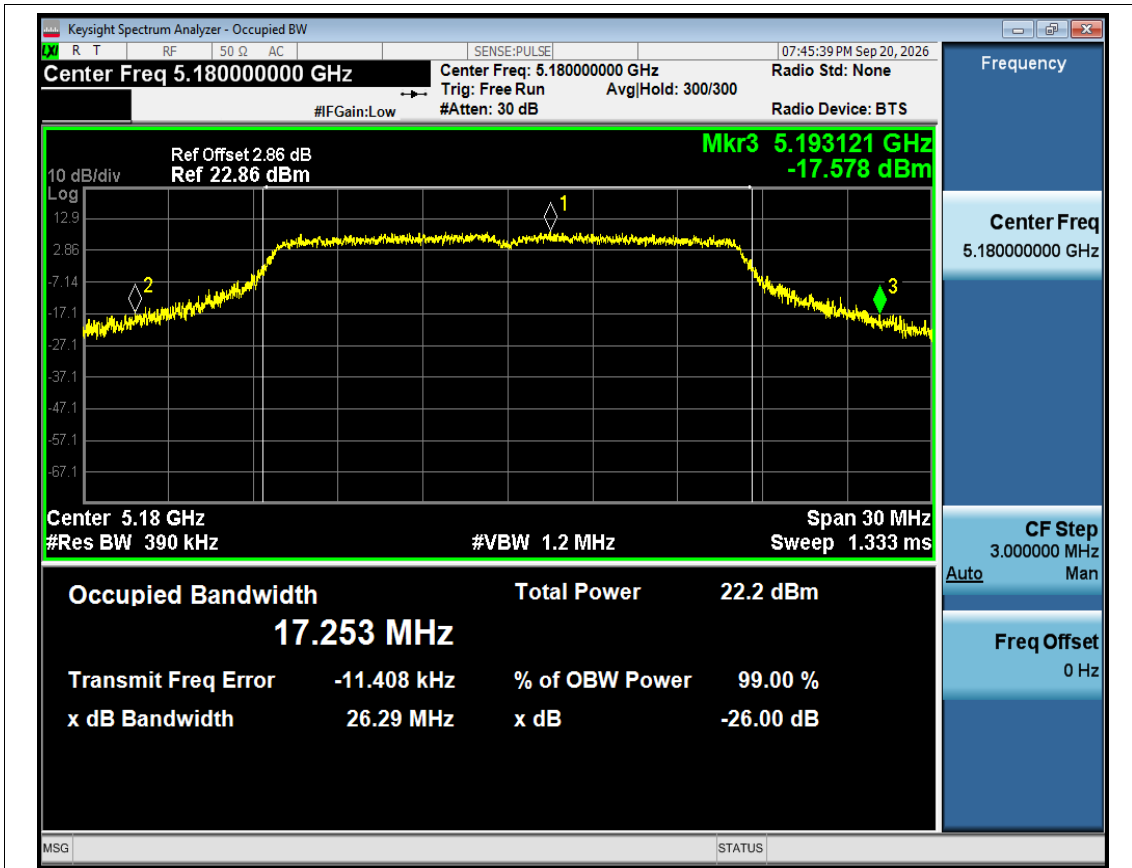
Duty Cycle NVNT ax40 5230MHz Ant1

Maximum Conducted Output Power

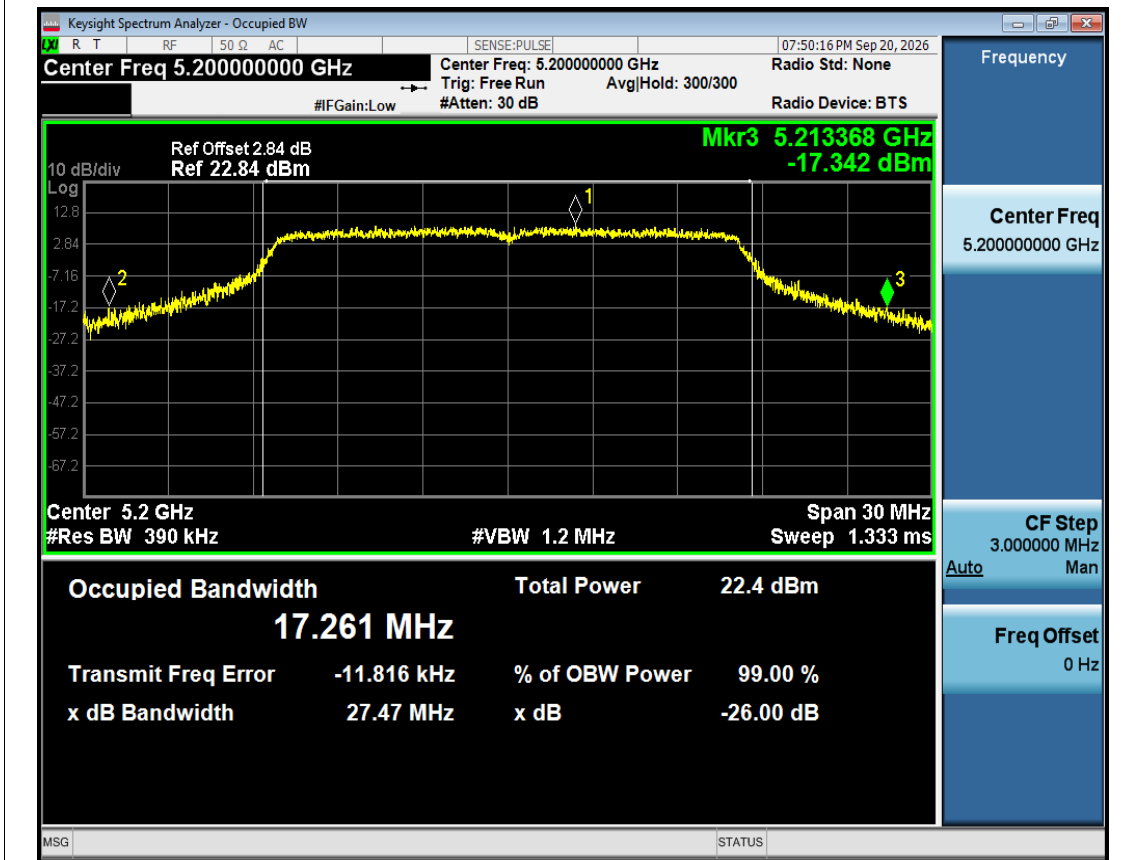
Condition	Mode	Frequency (MHz)	Antenna	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted(dBm)	Verdict
NVNT	a	5180	Ant1	16.29	0.04256	24	Pass
NVNT	a	5200	Ant1	16.46	0.04426	24	Pass
NVNT	a	5240	Ant1	16.61	0.04581	24	Pass
NVNT	n20	5180	Ant1	16.01	0.0399	24	Pass
NVNT	n20	5200	Ant1	16.55	0.04519	24	Pass
NVNT	n20	5240	Ant1	16.68	0.04656	24	Pass
NVNT	n40	5190	Ant1	15.17	0.03289	24	Pass
NVNT	n40	5230	Ant1	15.08	0.03221	24	Pass
NVNT	ac20	5180	Ant1	16.02	0.03999	24	Pass
NVNT	ac20	5200	Ant1	16.63	0.04603	24	Pass
NVNT	ac20	5240	Ant1	16.25	0.04217	24	Pass
NVNT	ac40	5190	Ant1	14.58	0.02871	24	Pass
NVNT	ac40	5230	Ant1	15	0.03162	24	Pass
NVNT	ax20	5180	Ant1	15.84	0.03837	24	Pass
NVNT	ax20	5200	Ant1	16.49	0.04457	24	Pass
NVNT	ax20	5240	Ant1	15.97	0.03954	24	Pass
NVNT	ax40	5190	Ant1	15.04	0.03192	24	Pass
NVNT	ax40	5230	Ant1	15.1	0.03236	24	Pass
Remaek: The final result had added the duty cycle factor.							

-26dB Bandwidth

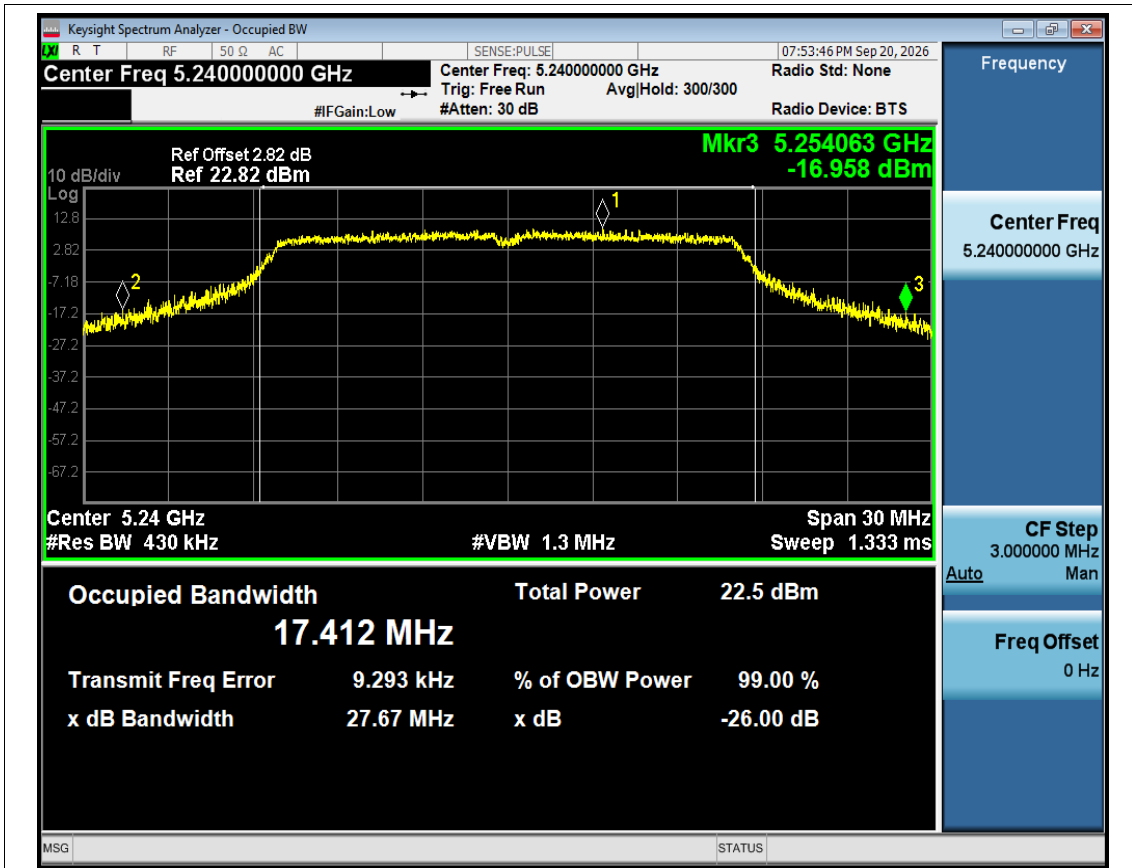
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	26.29
NVNT	a	5200	Ant1	27.47
NVNT	a	5240	Ant1	27.67
NVNT	n20	5180	Ant1	27.03
NVNT	n20	5200	Ant1	27.74
NVNT	n20	5240	Ant1	28.49
NVNT	n40	5190	Ant1	47.35
NVNT	n40	5230	Ant1	47.75
NVNT	ac20	5180	Ant1	28.12
NVNT	ac20	5200	Ant1	27.99
NVNT	ac20	5240	Ant1	27.7
NVNT	ac40	5190	Ant1	48.15
NVNT	ac40	5230	Ant1	47.86
NVNT	ax20	5180	Ant1	27.12
NVNT	ax20	5200	Ant1	27.82
NVNT	ax20	5240	Ant1	26.46
NVNT	ax40	5190	Ant1	46.45
NVNT	ax40	5230	Ant1	46.5



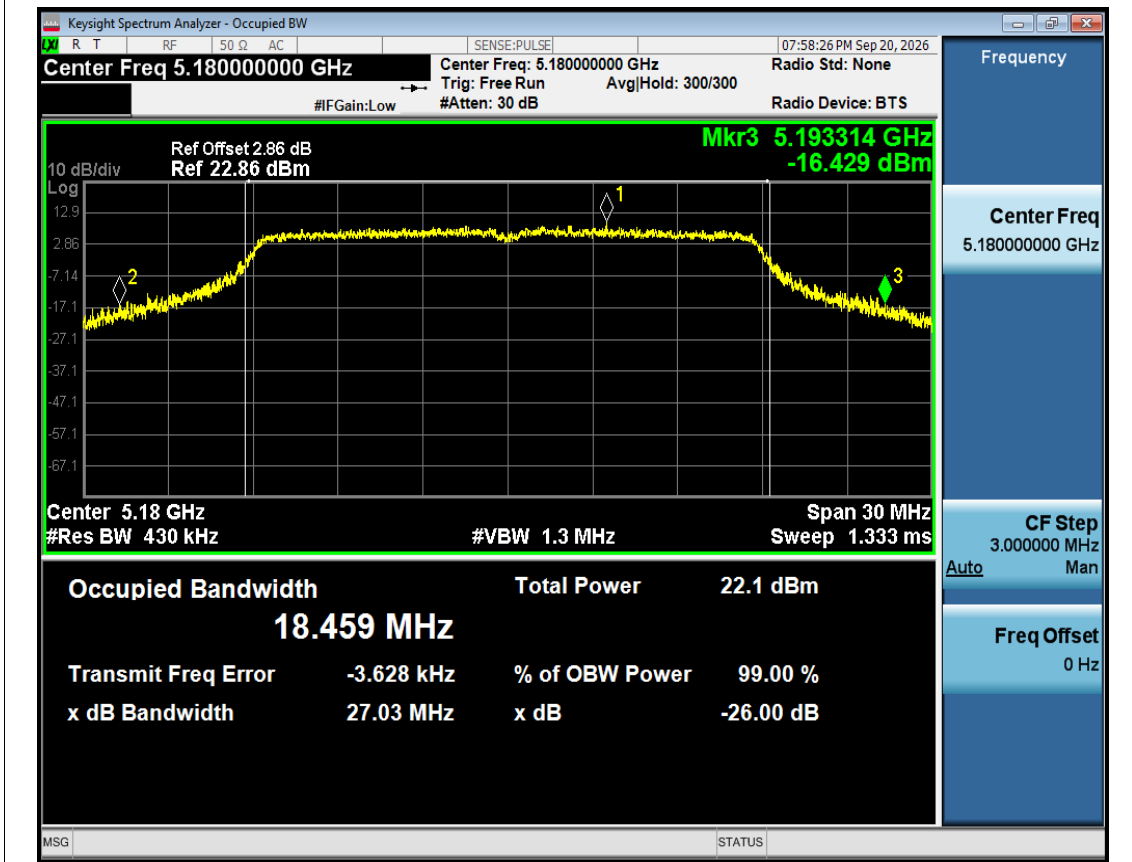
-26dB Bandwidth NVNT a 5180MHz Ant1



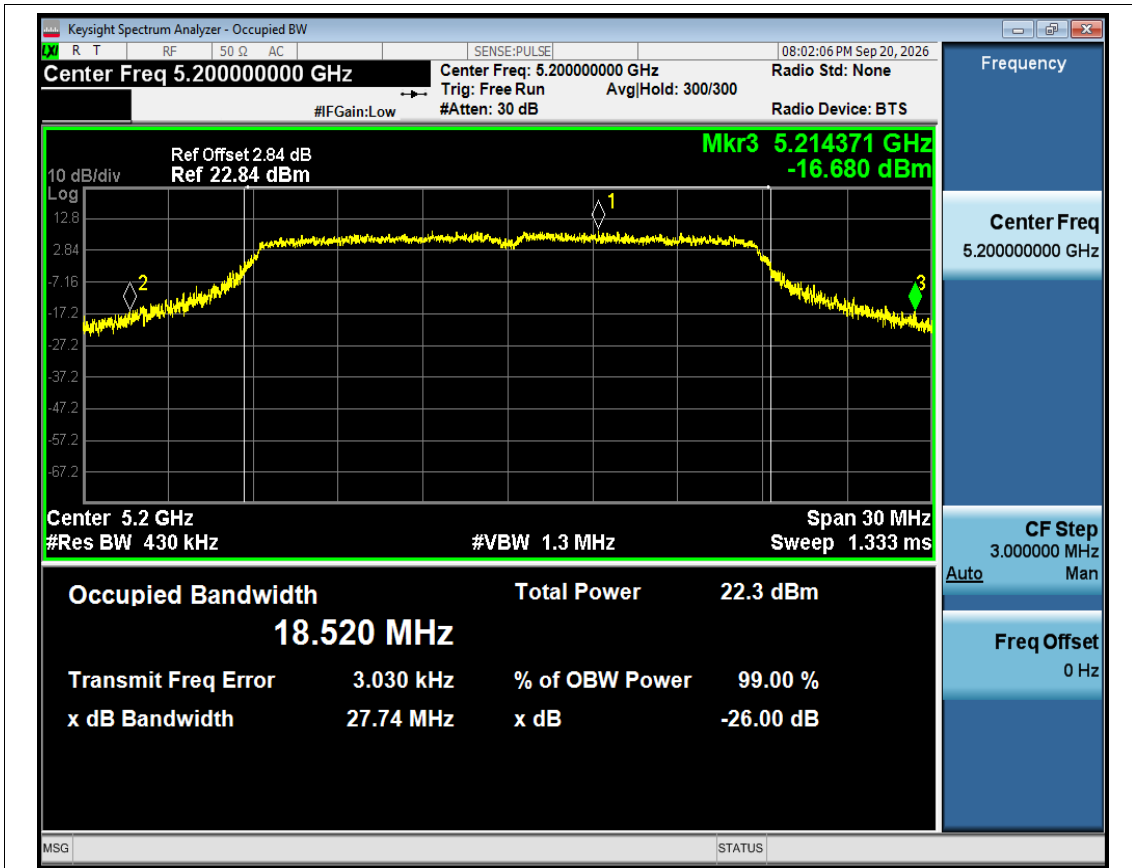
-26dB Bandwidth NVNT a 5200MHz Ant1



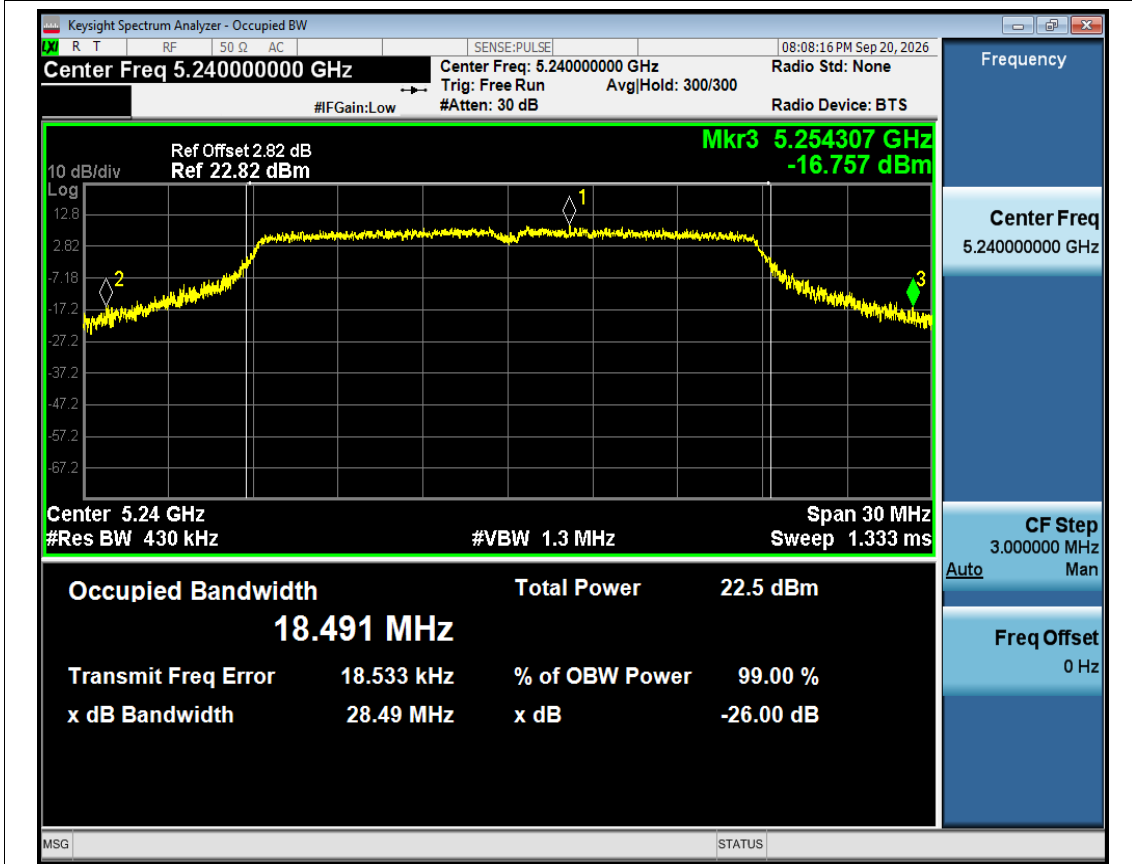
-26dB Bandwidth NVNT a 5240MHz Ant1



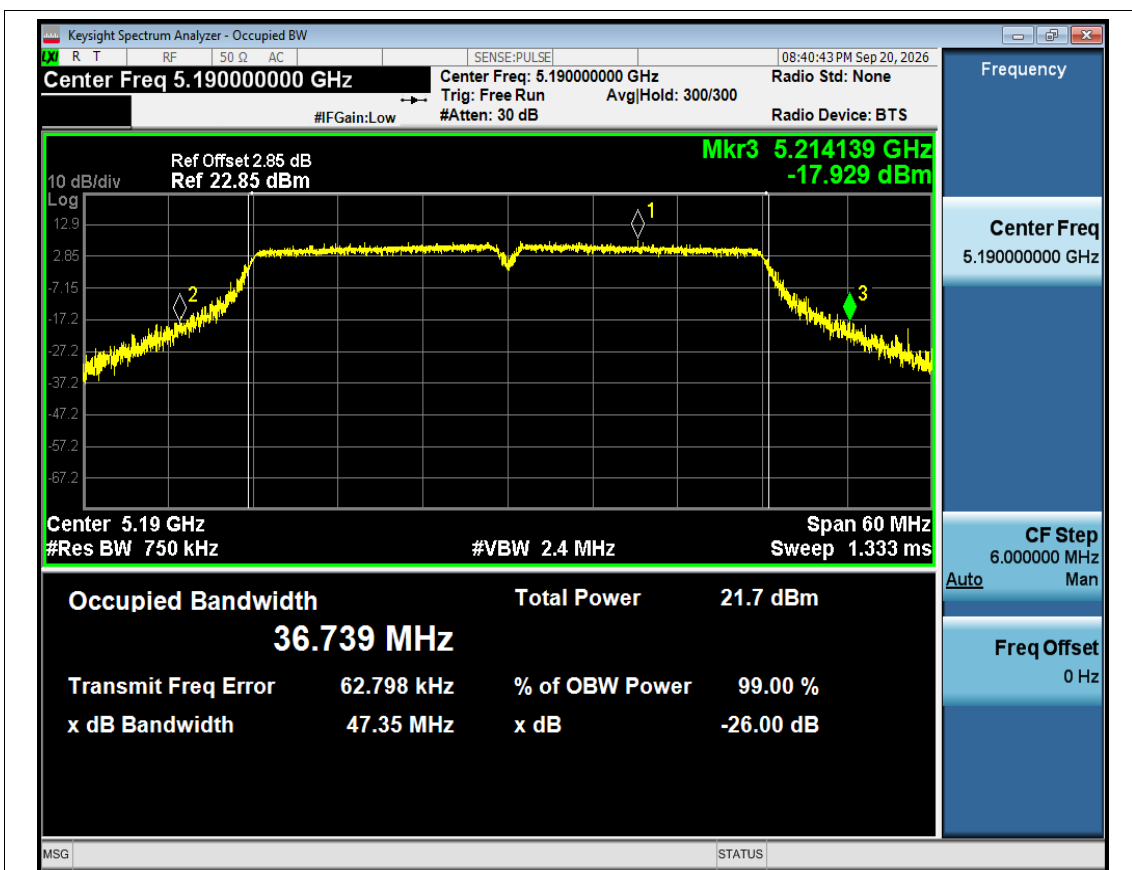
-26dB Bandwidth NVNT n20 5180MHz Ant1



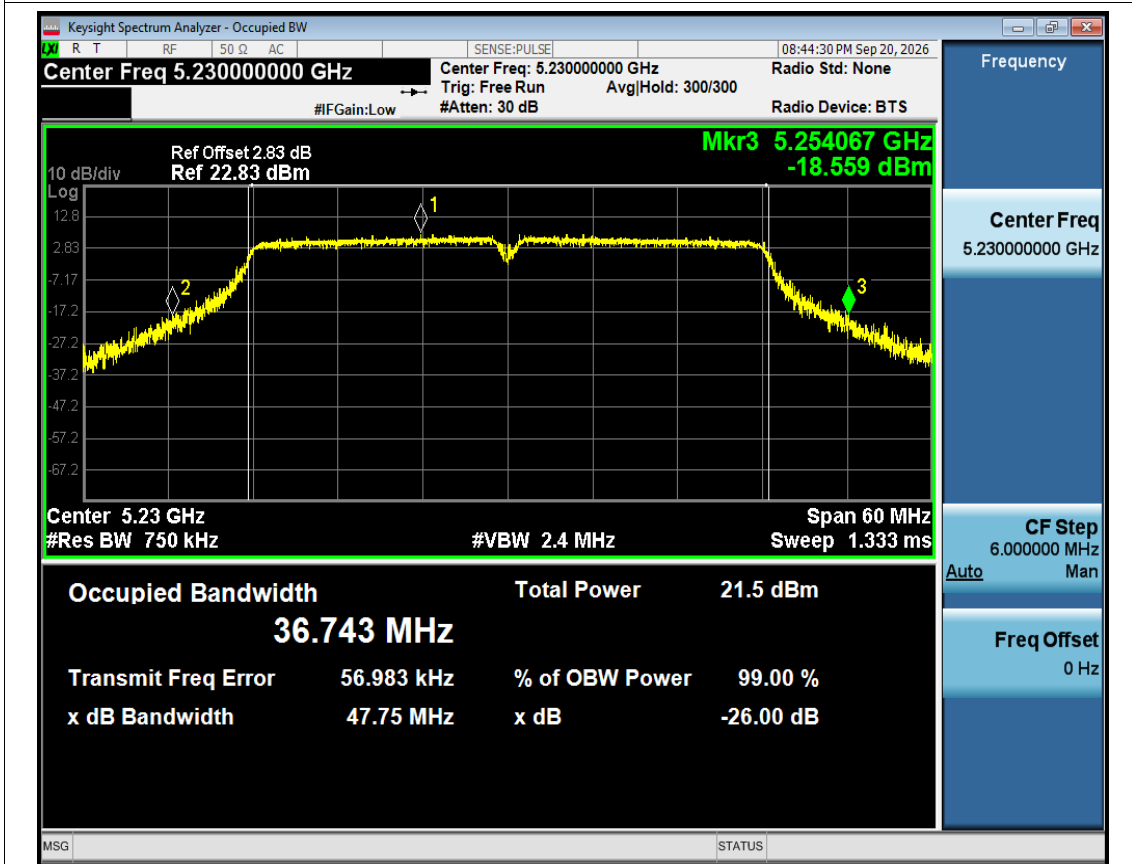
-26dB Bandwidth NVNT n20 5200MHz Ant1



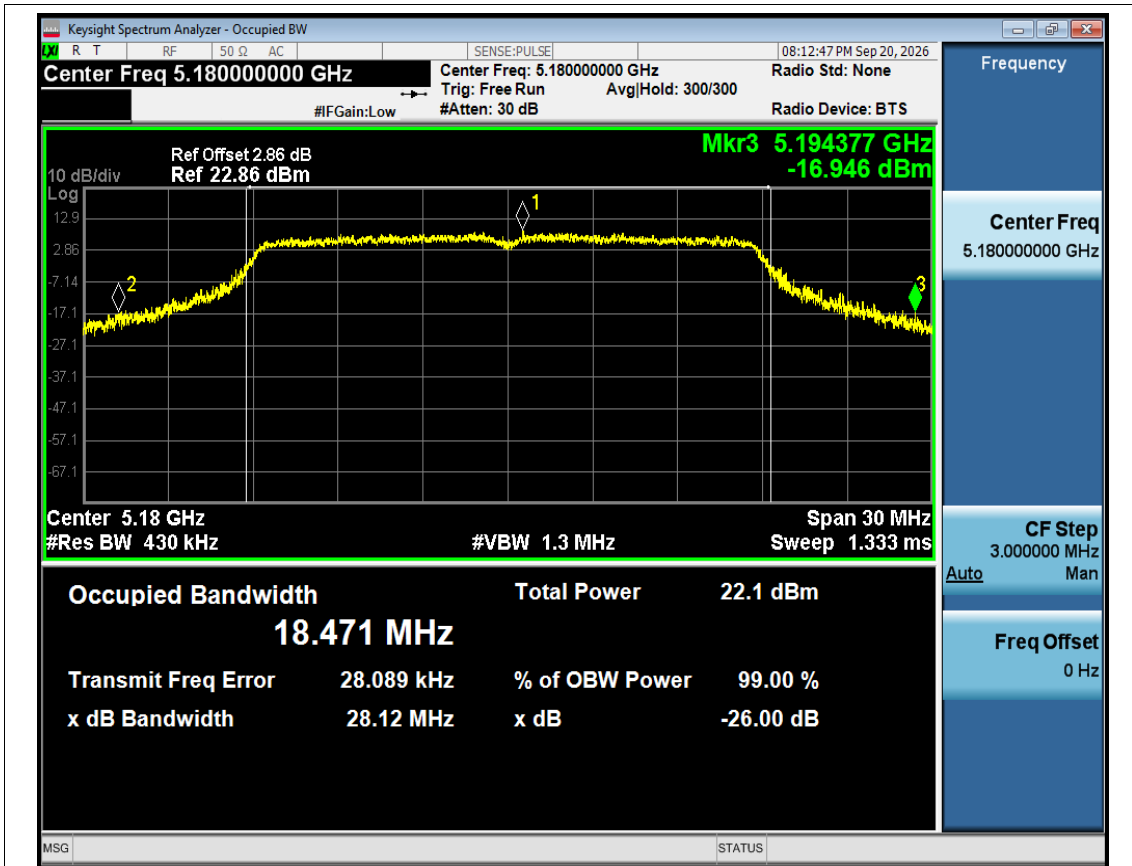
-26dB Bandwidth NVNT n20 5240MHz Ant1



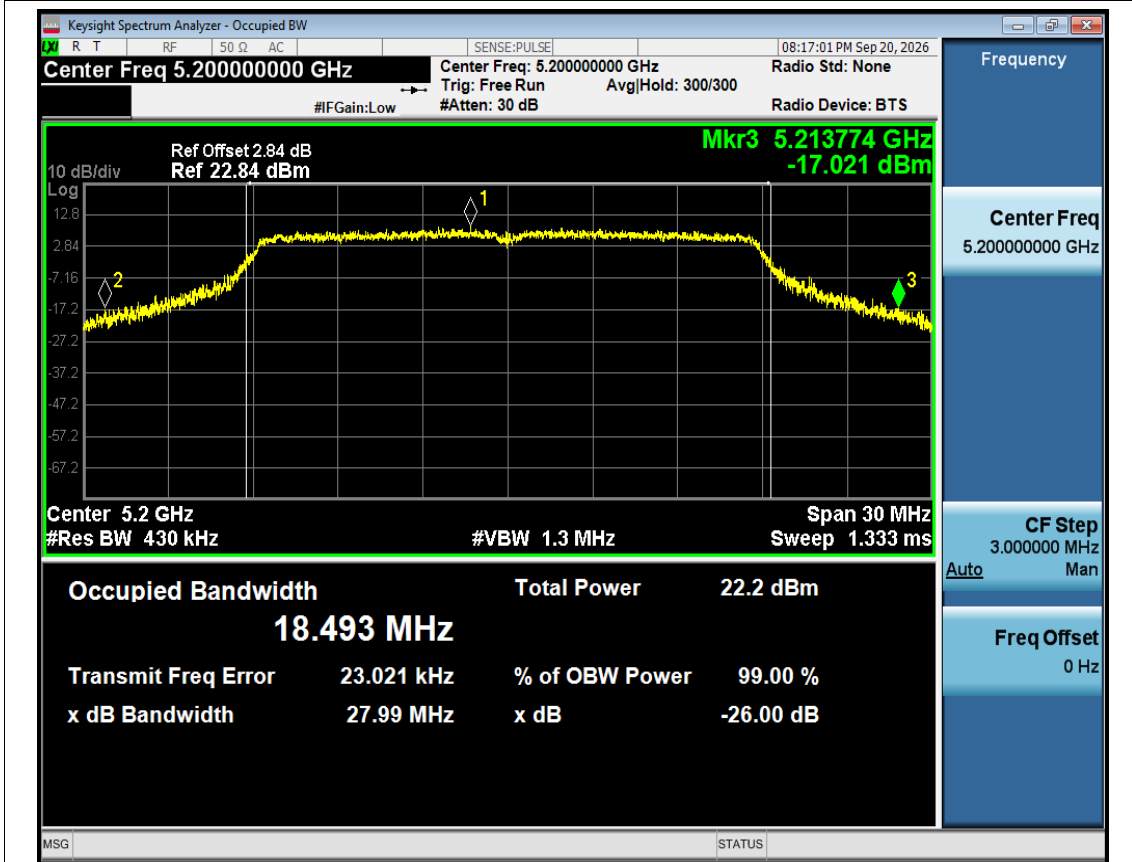
-26dB Bandwidth NVNT n40 5190MHz Ant1



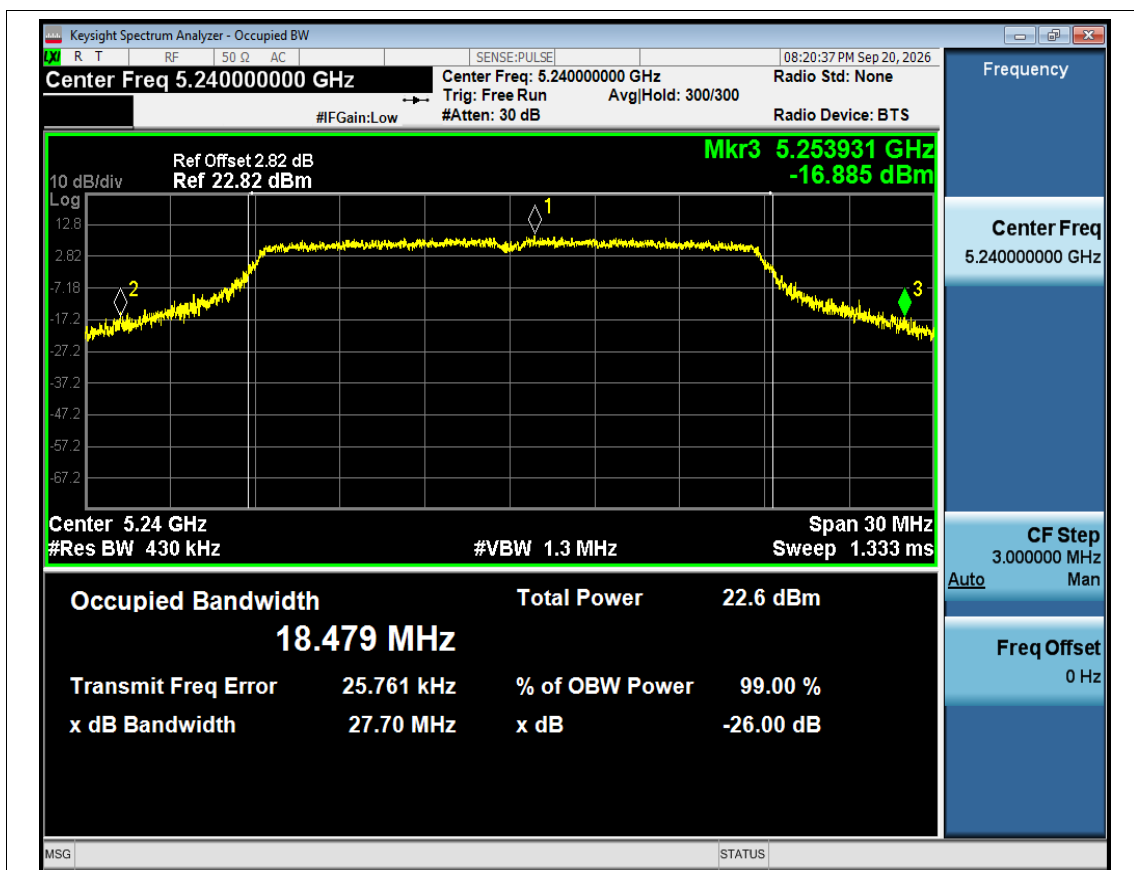
-26dB Bandwidth NVNT n40 5230MHz Ant1



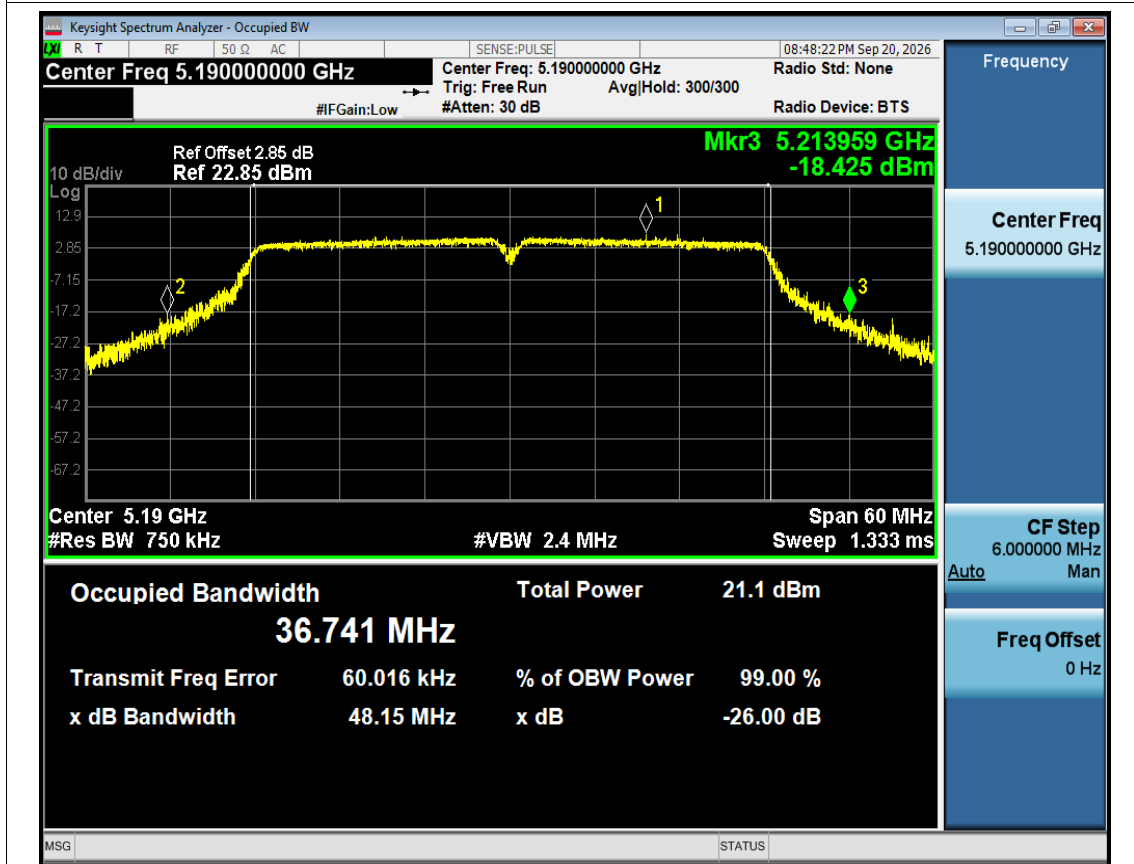
-26dB Bandwidth NVNT ac20 5180MHz Ant1



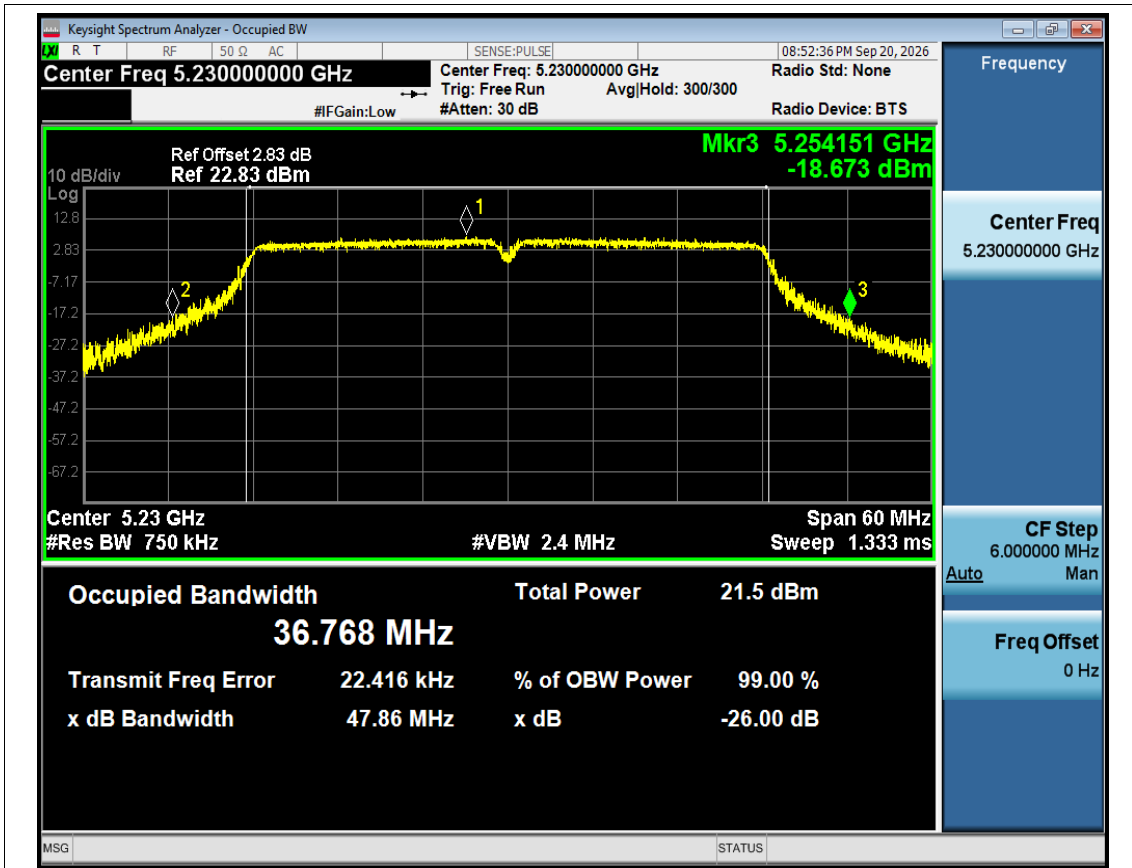
-26dB Bandwidth NVNT ac20 5200MHz Ant1



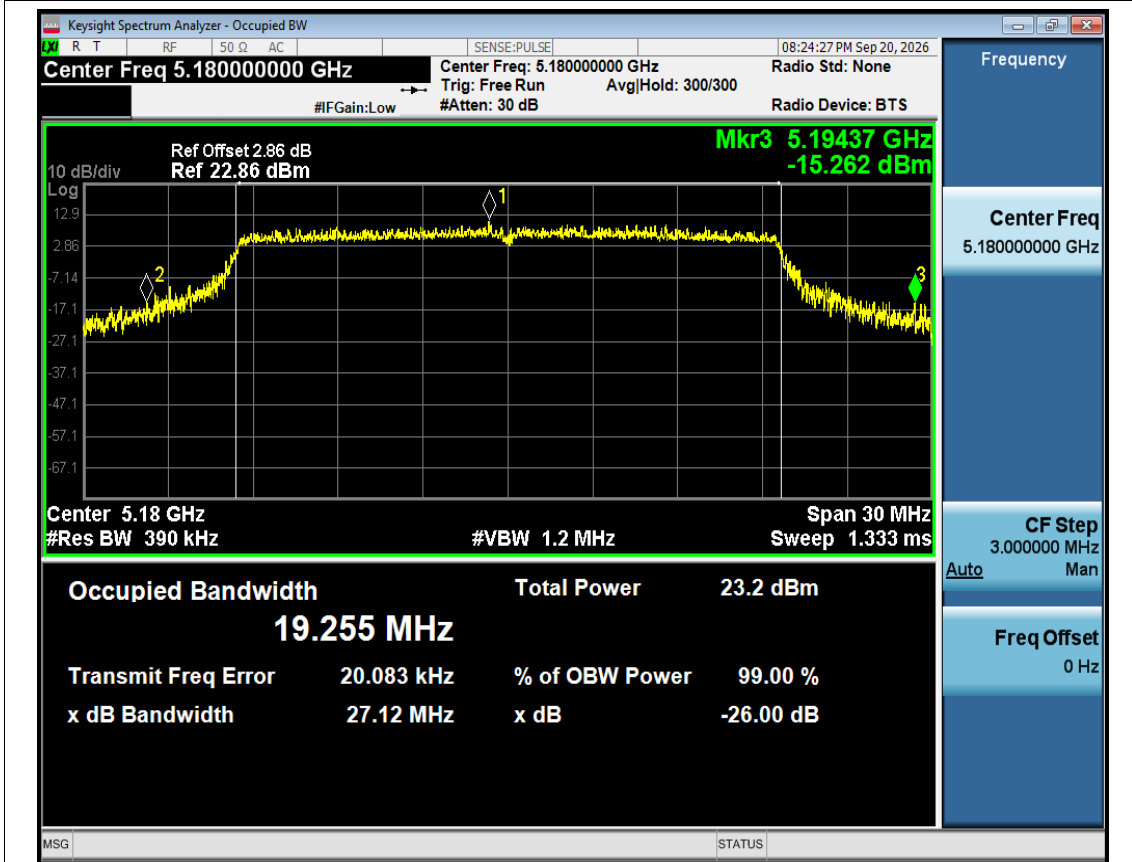
-26dB Bandwidth NVNT ac20 5240MHz Ant1



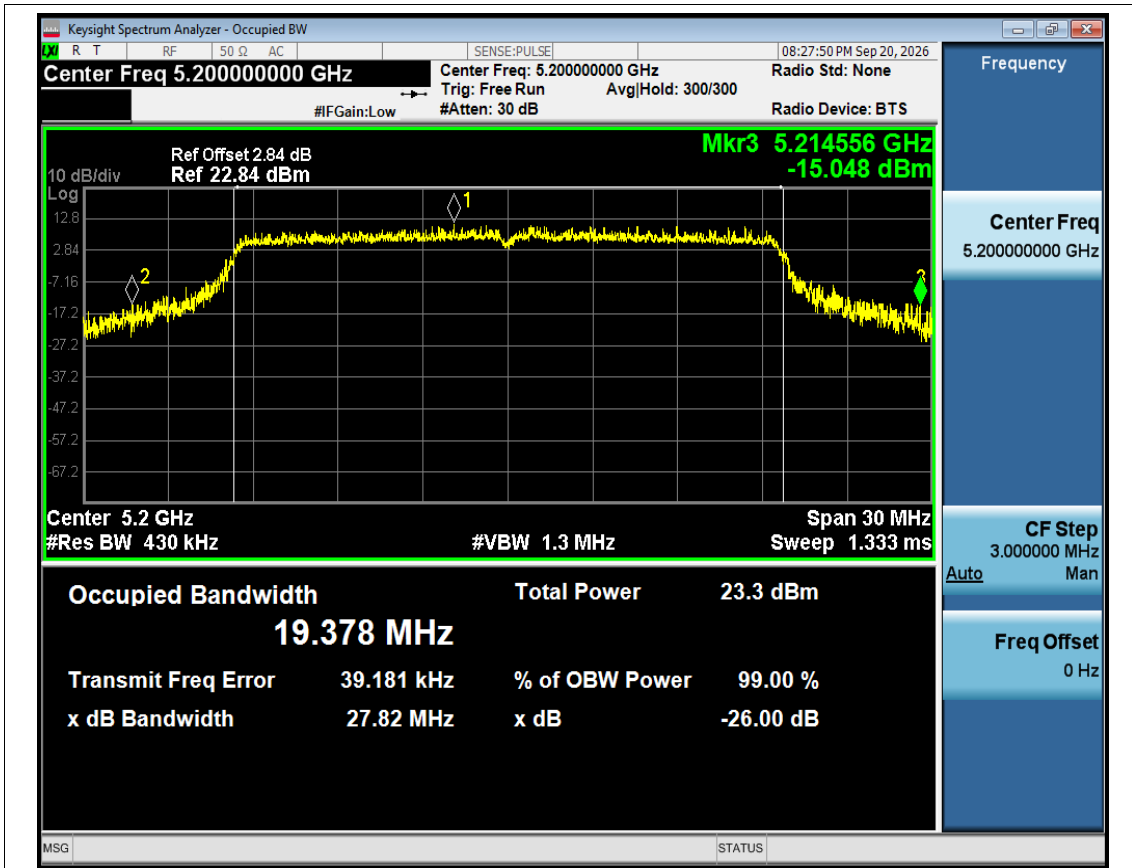
-26dB Bandwidth NVNT ac40 5190MHz Ant1



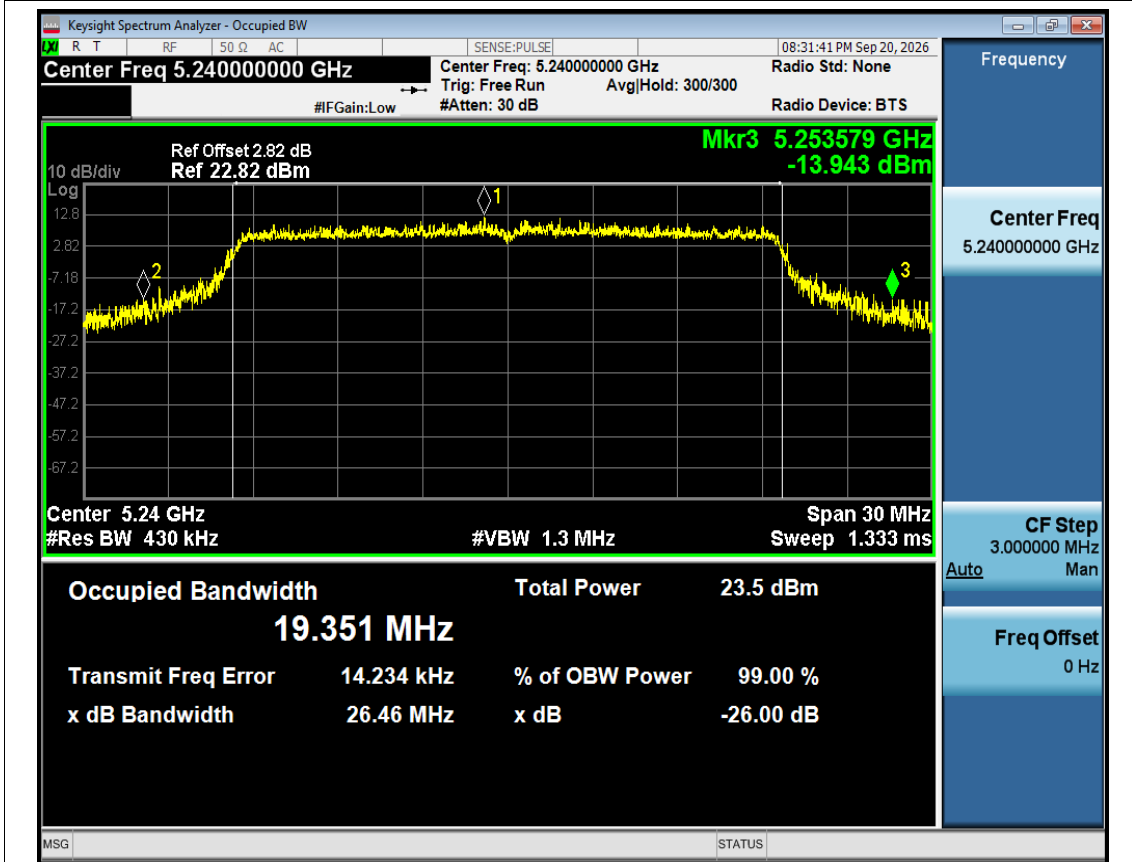
-26dB Bandwidth NVNT ac40 5230MHz Ant1



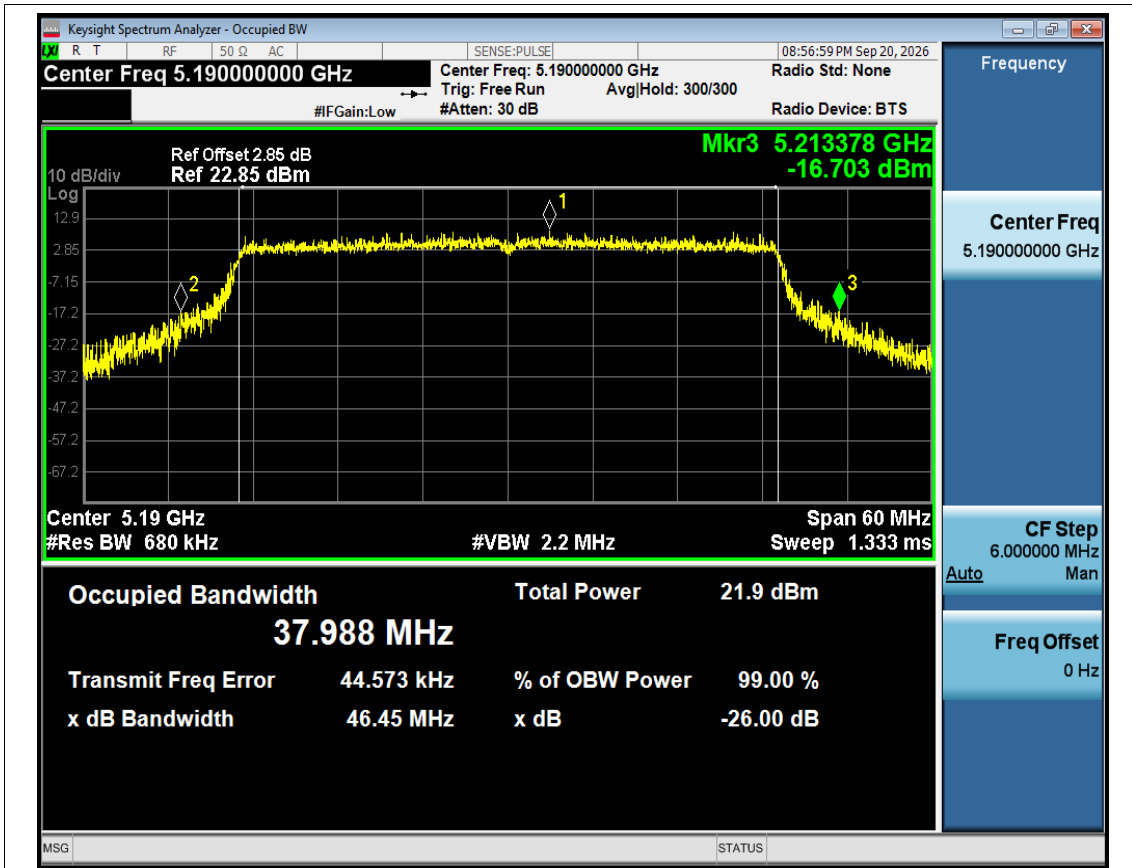
-26dB Bandwidth NVNT ax20 5180MHz Ant1



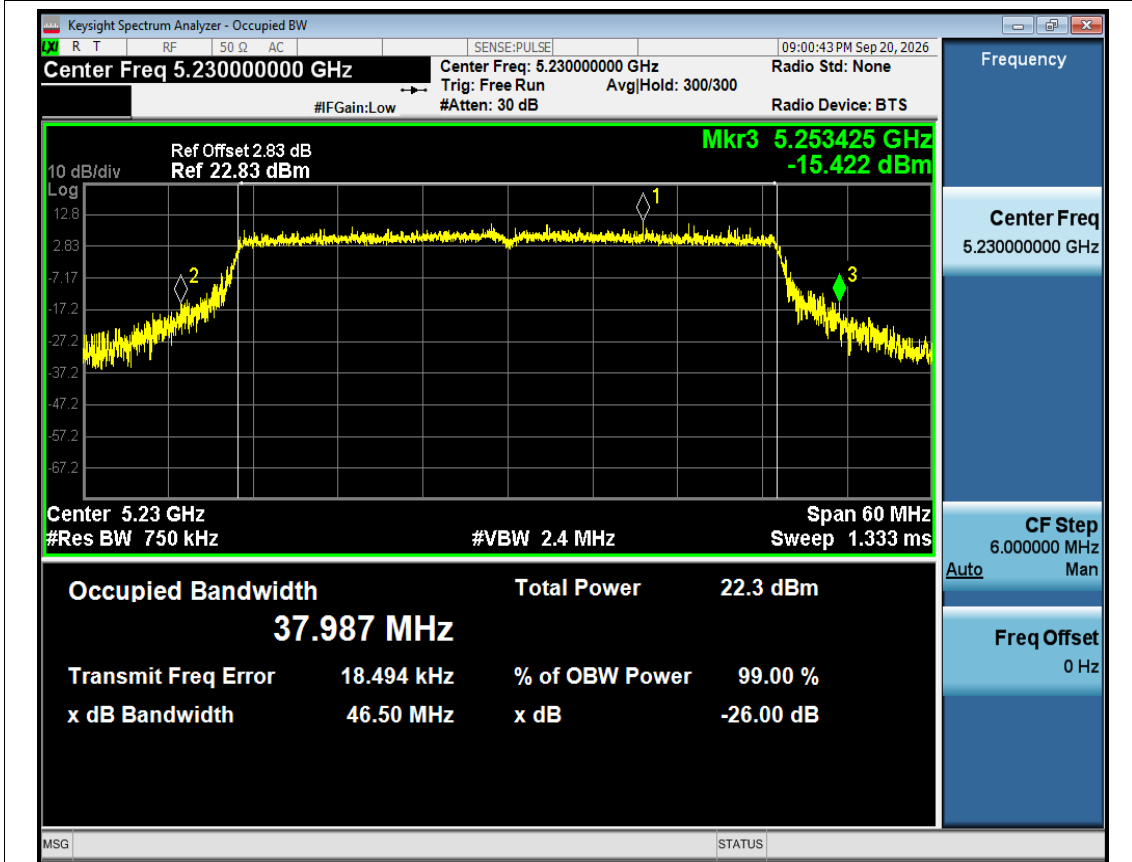
-26dB Bandwidth NVNT ax20 5200MHz Ant1



-26dB Bandwidth NVNT ax20 5240MHz Ant1



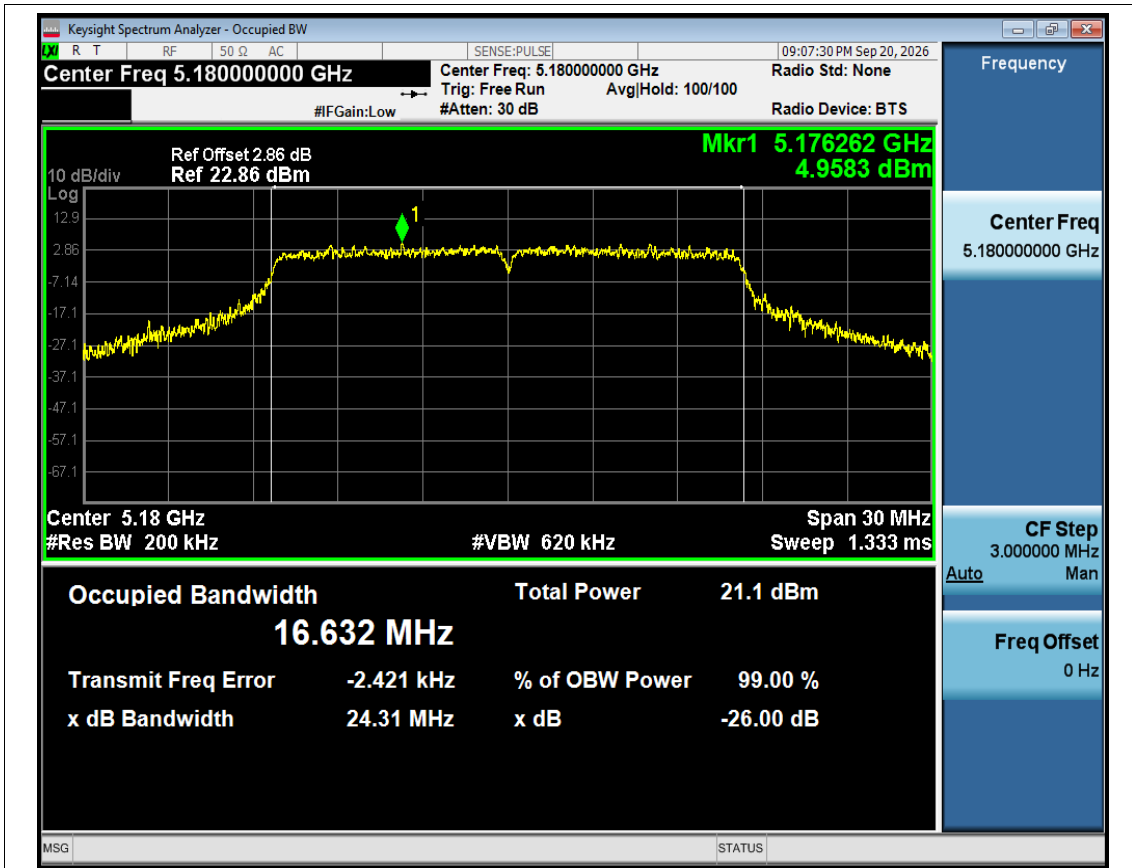
-26dB Bandwidth NVNT ax40 5190MHz Ant1



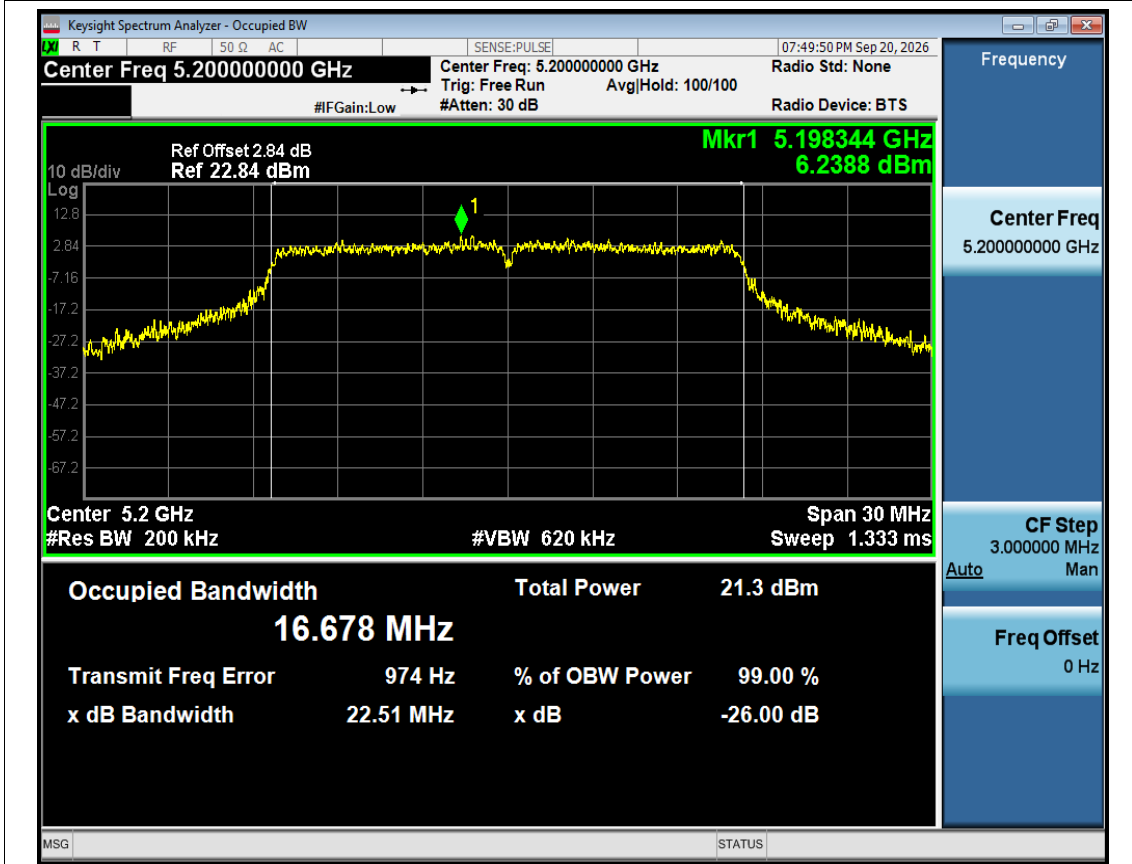
-26dB Bandwidth NVNT ax40 5230MHz Ant1

Occupied Channel Bandwidth

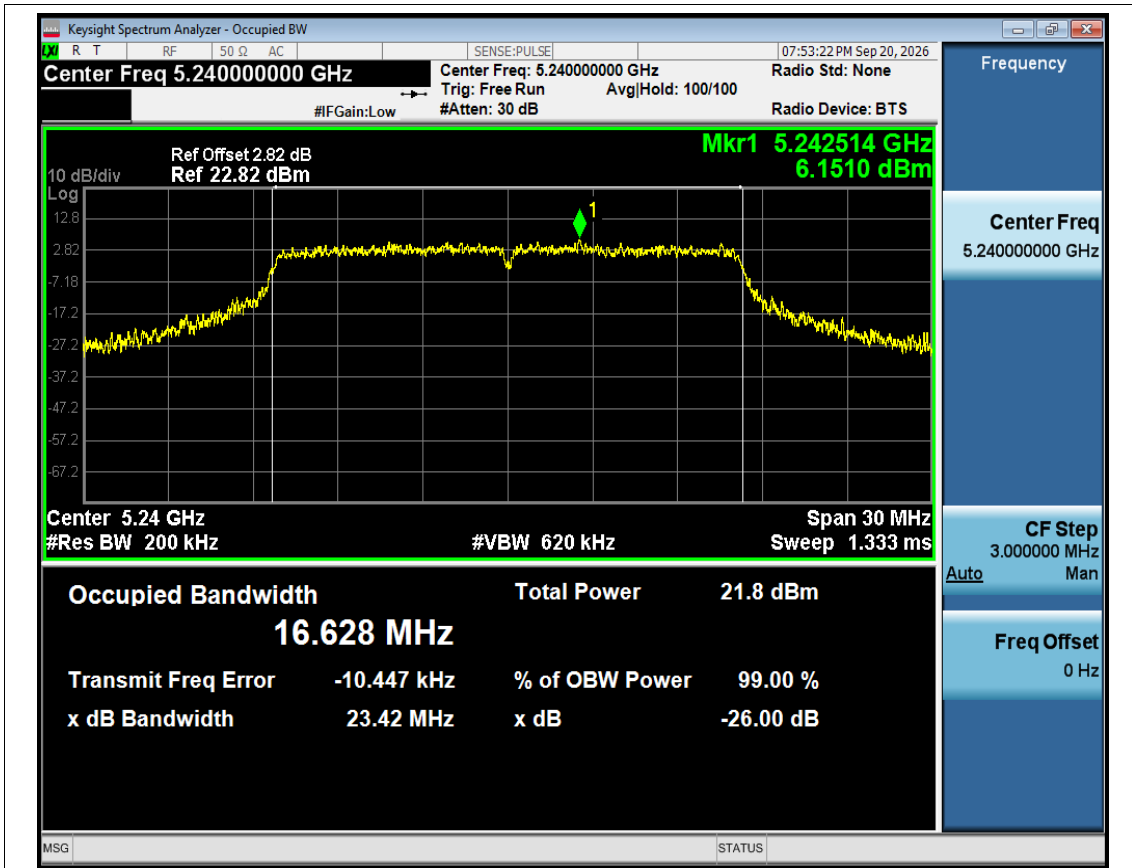
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.632
NVNT	a	5200	Ant1	16.678
NVNT	a	5240	Ant1	16.628
NVNT	n20	5180	Ant1	17.811
NVNT	n20	5200	Ant1	17.849
NVNT	n20	5240	Ant1	17.811
NVNT	n40	5190	Ant1	36.323
NVNT	n40	5230	Ant1	36.359
NVNT	ac20	5180	Ant1	17.82
NVNT	ac20	5200	Ant1	17.856
NVNT	ac20	5240	Ant1	17.836
NVNT	ac40	5190	Ant1	36.388
NVNT	ac40	5230	Ant1	36.35
NVNT	ax20	5180	Ant1	19.018
NVNT	ax20	5200	Ant1	19.03
NVNT	ax20	5240	Ant1	19.019
NVNT	ax40	5190	Ant1	37.865
NVNT	ax40	5230	Ant1	37.848



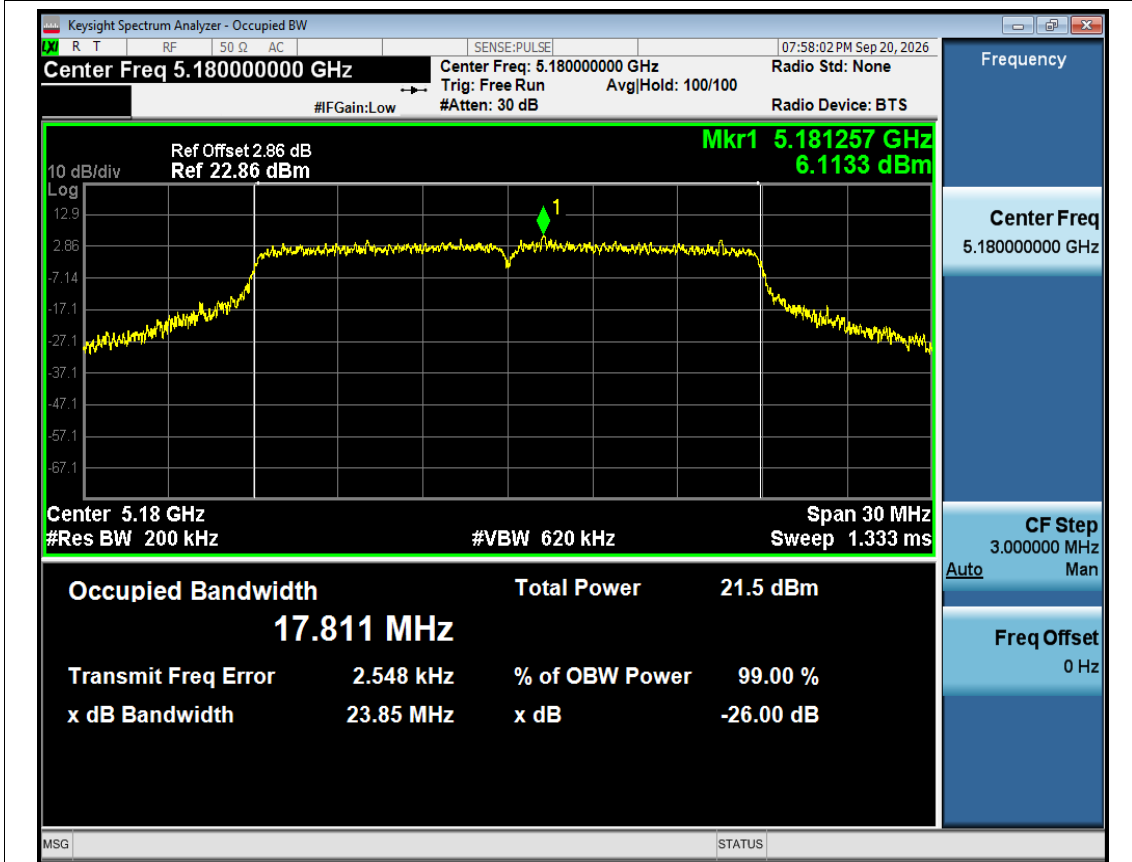
OBW NVNT a 5180MHz Ant1



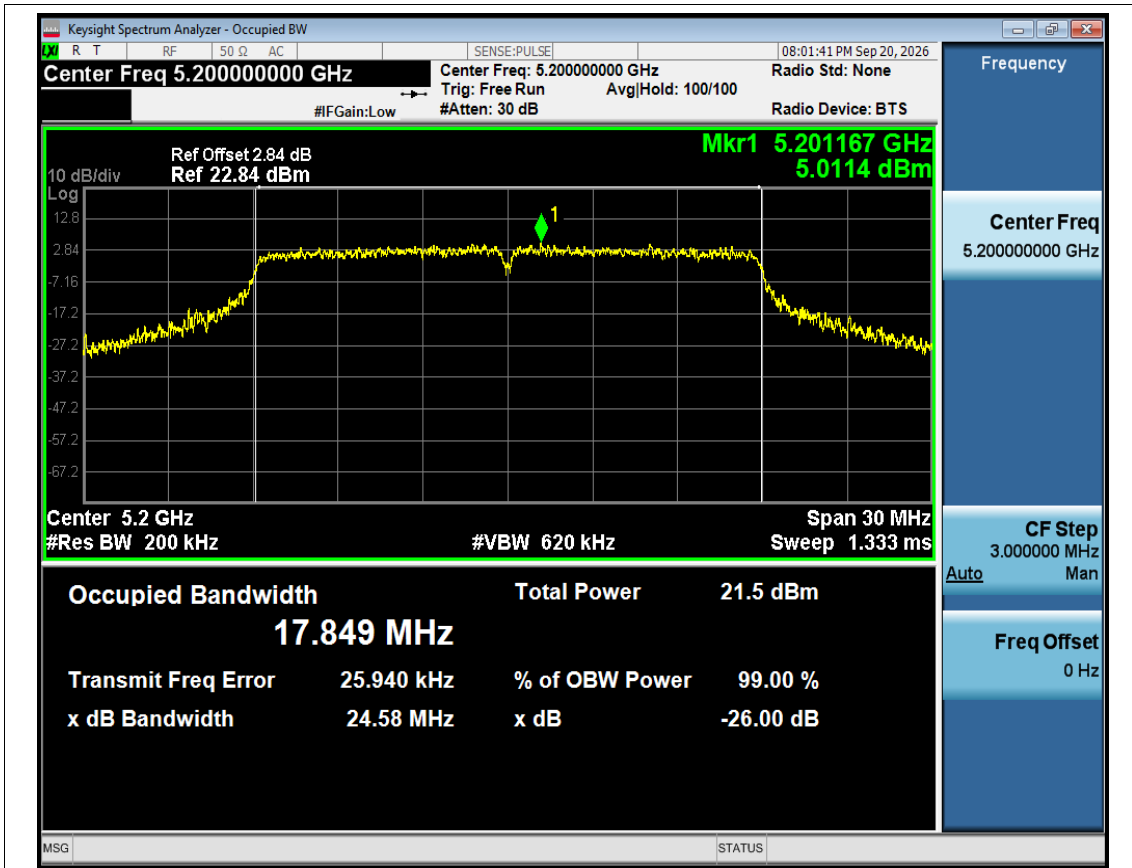
OBW NVNT a 5200MHz Ant1



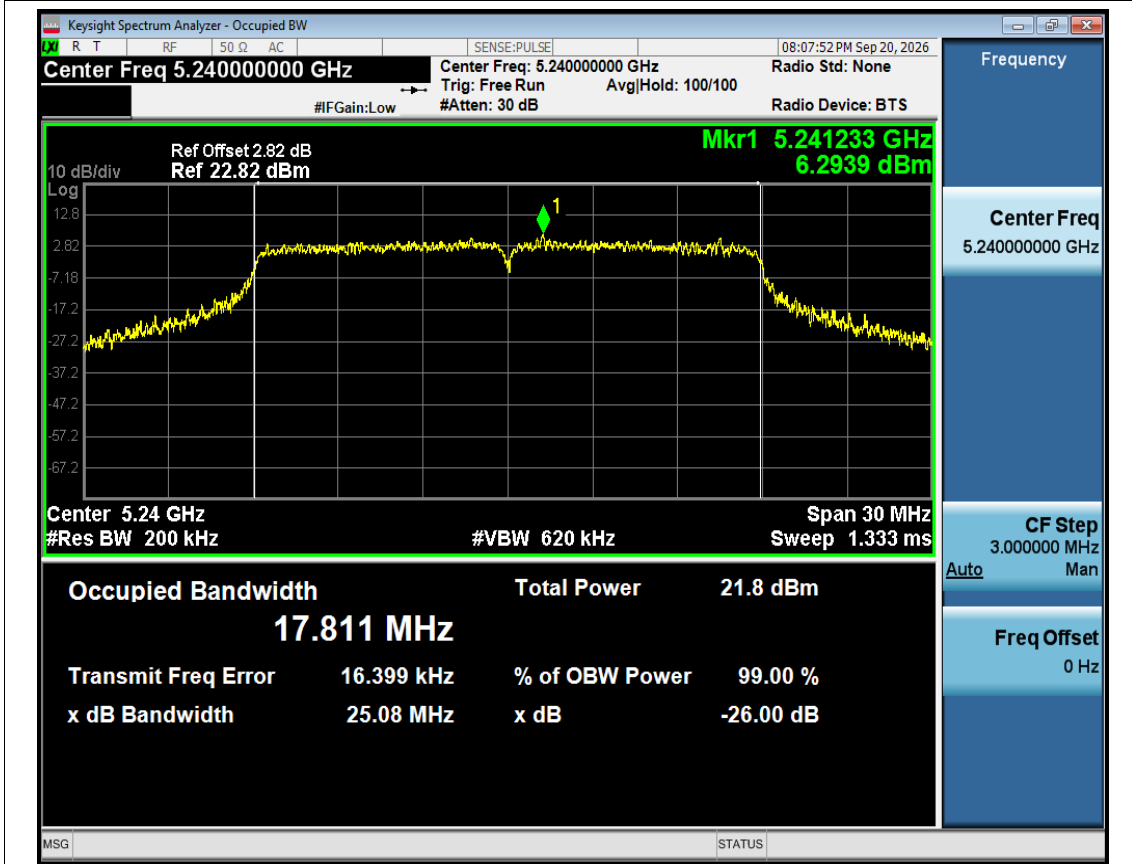
OBW NVNT a 5240MHz Ant1



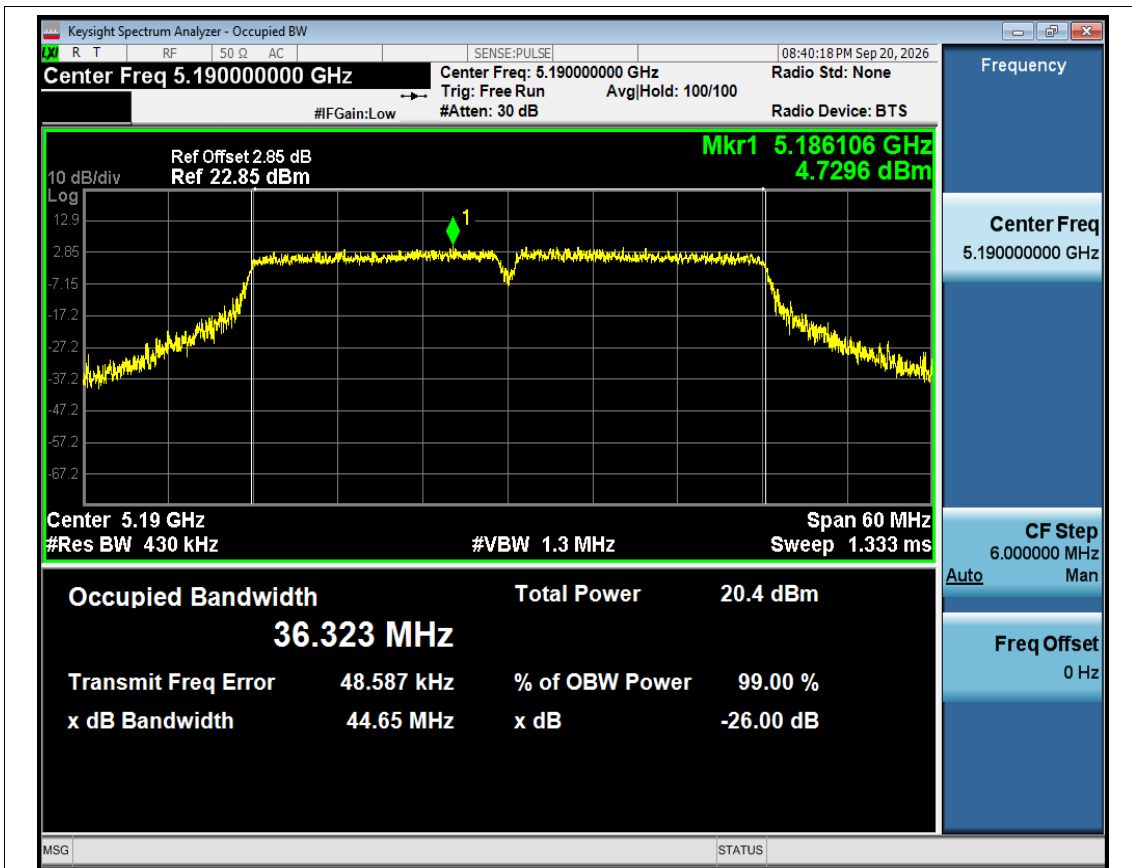
OBW NVNT n20 5180MHz Ant1



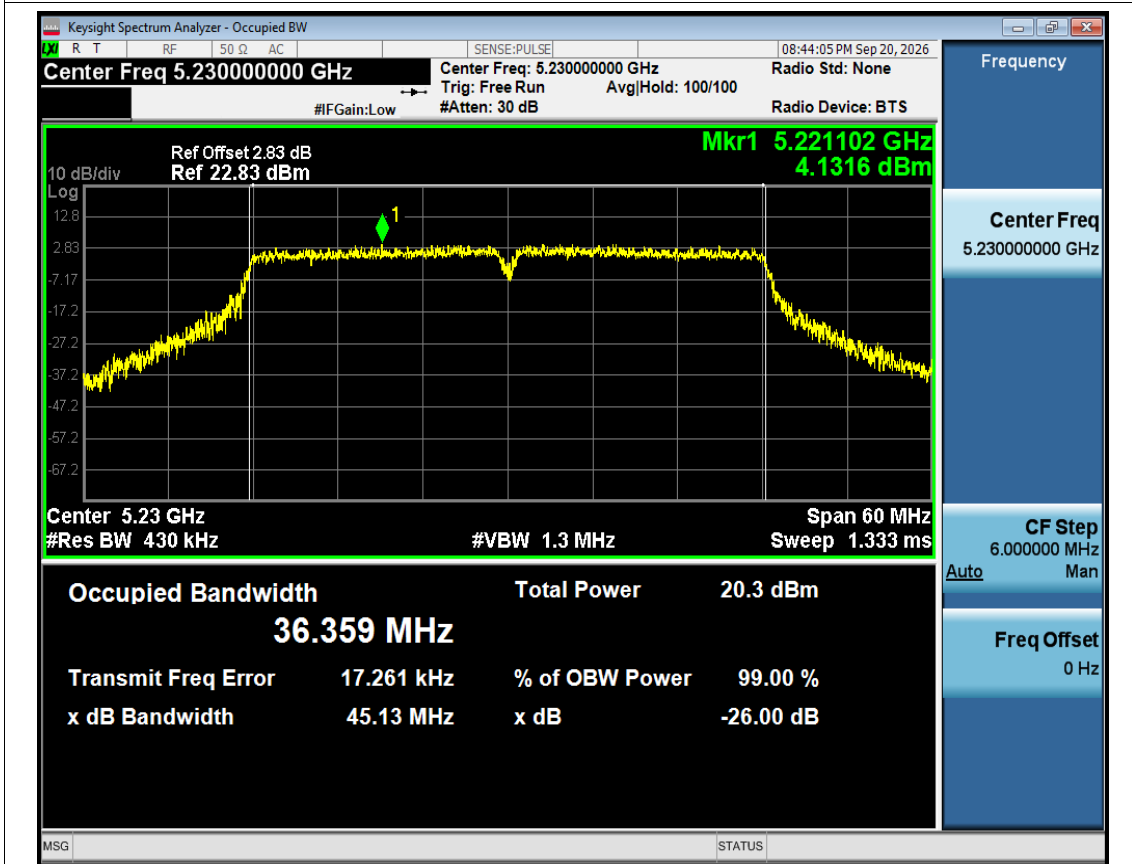
OBW NVNT n20 5200MHz Ant1



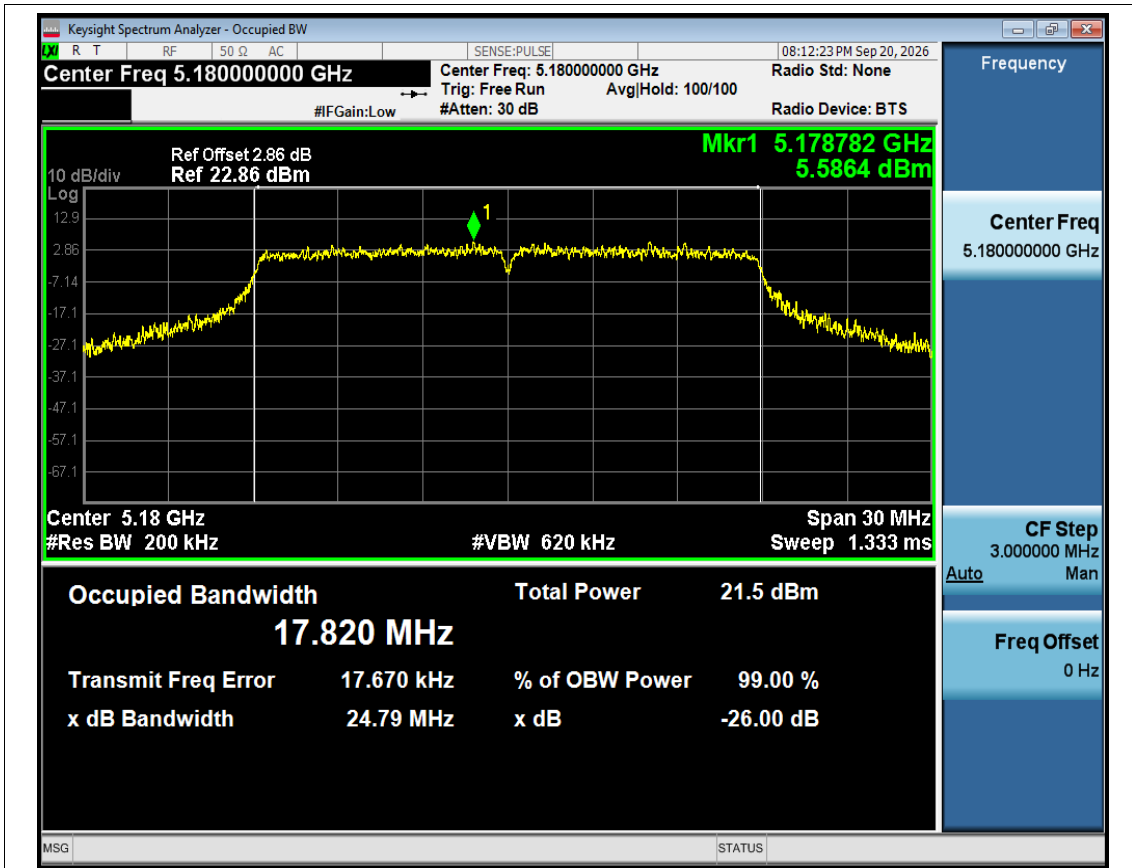
OBW NVNT n20 5240MHz Ant1



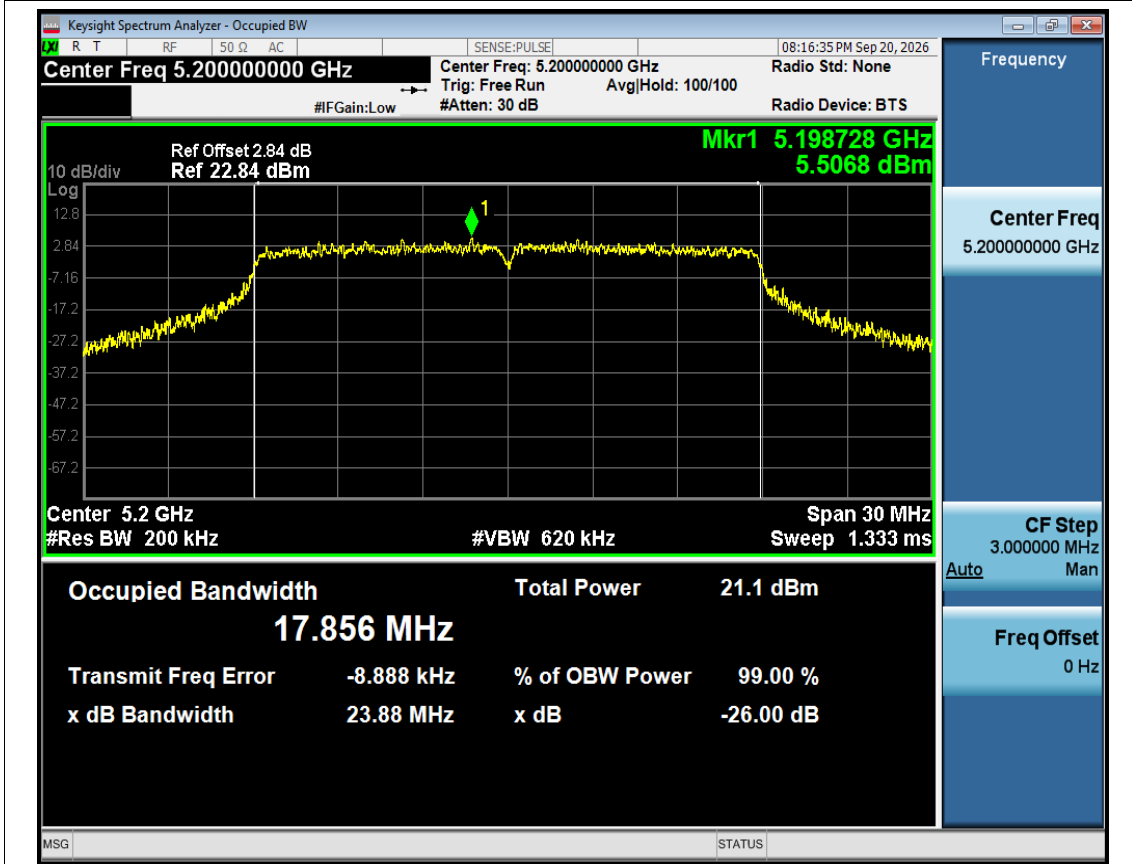
OBW NVNT n40 5190MHz Ant1



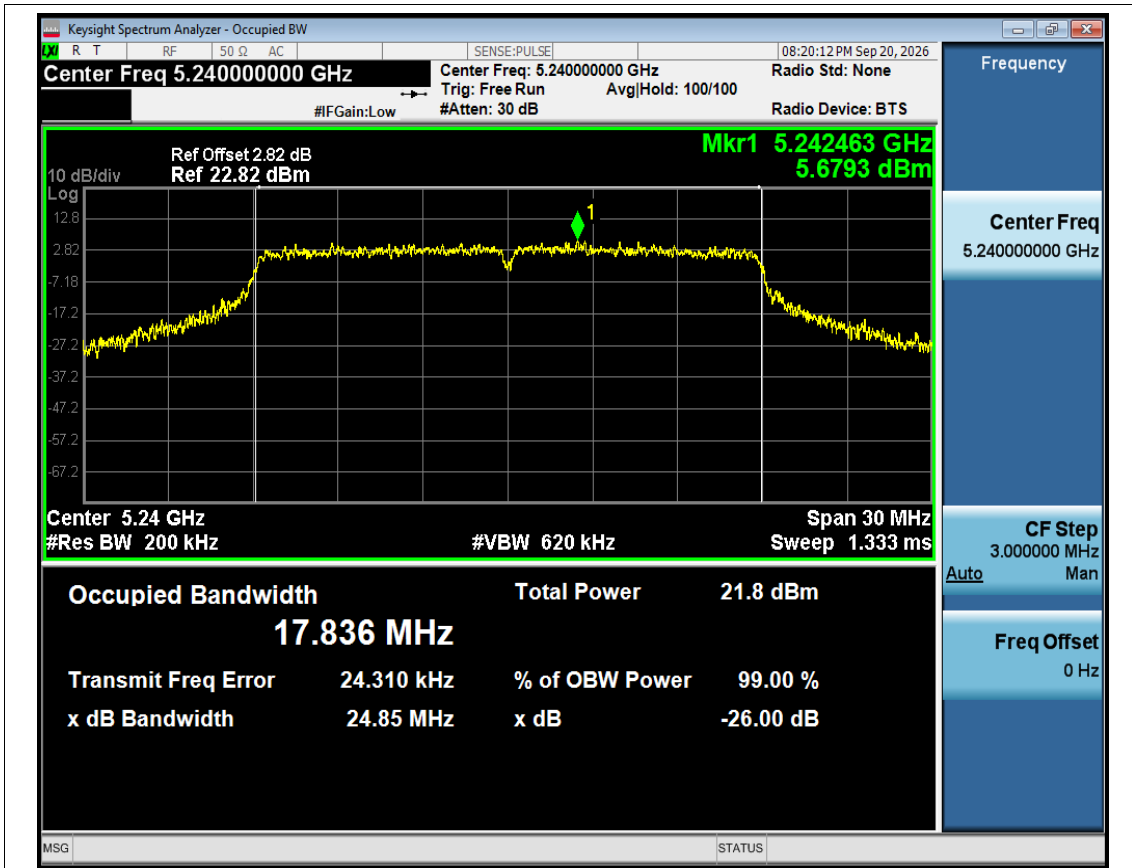
OBW NVNT n40 5230MHz Ant1



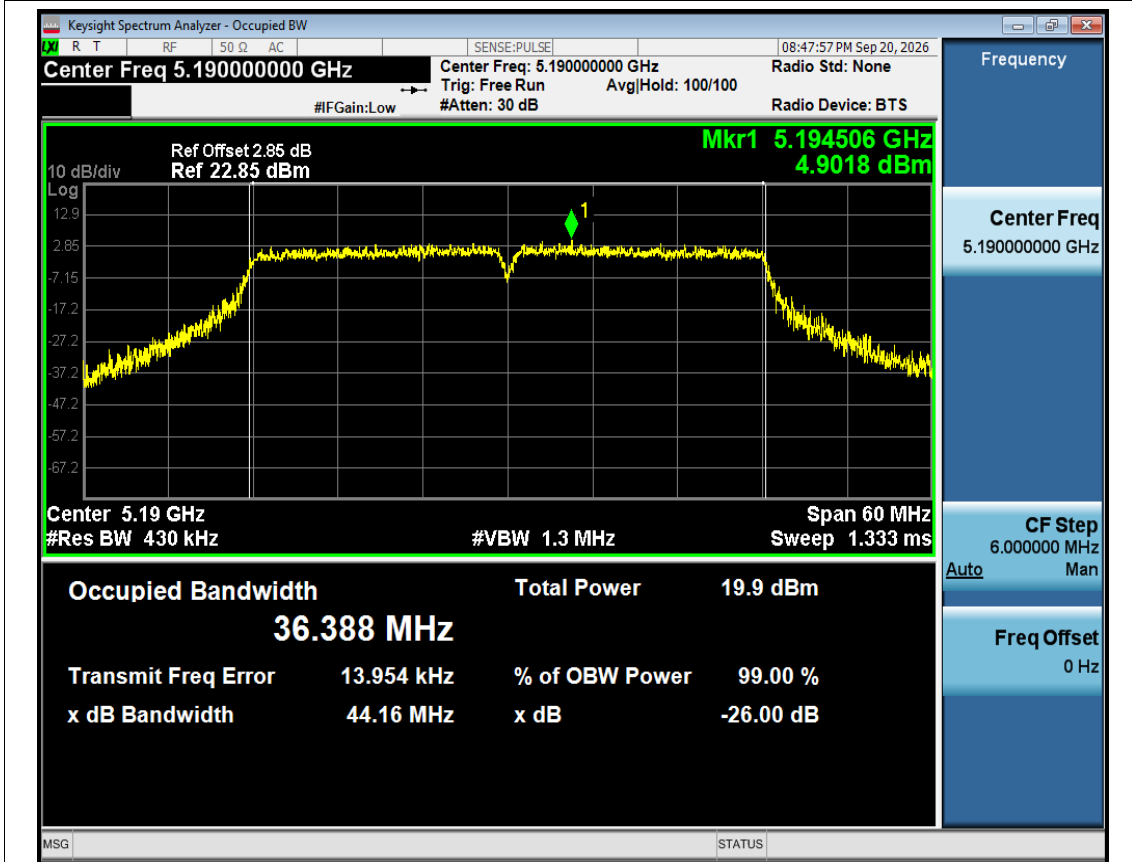
OBW NVNT ac20 5180MHz Ant1



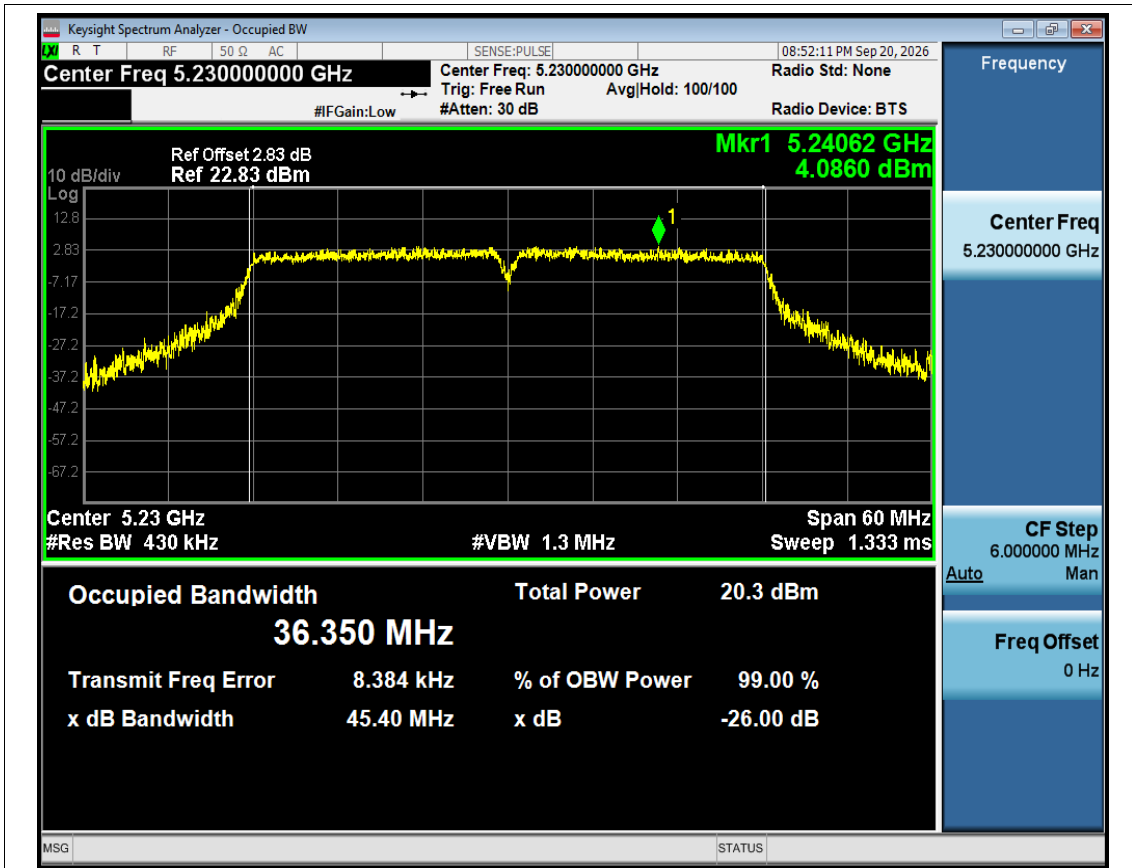
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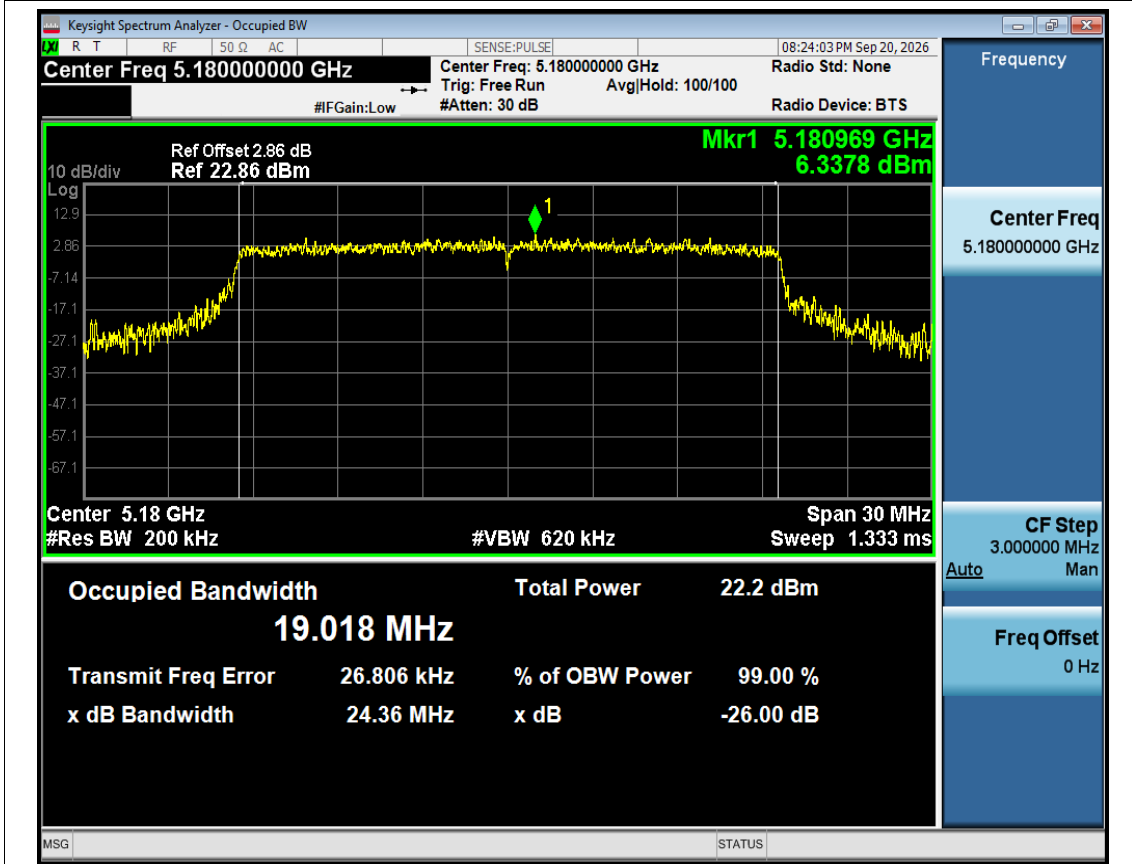
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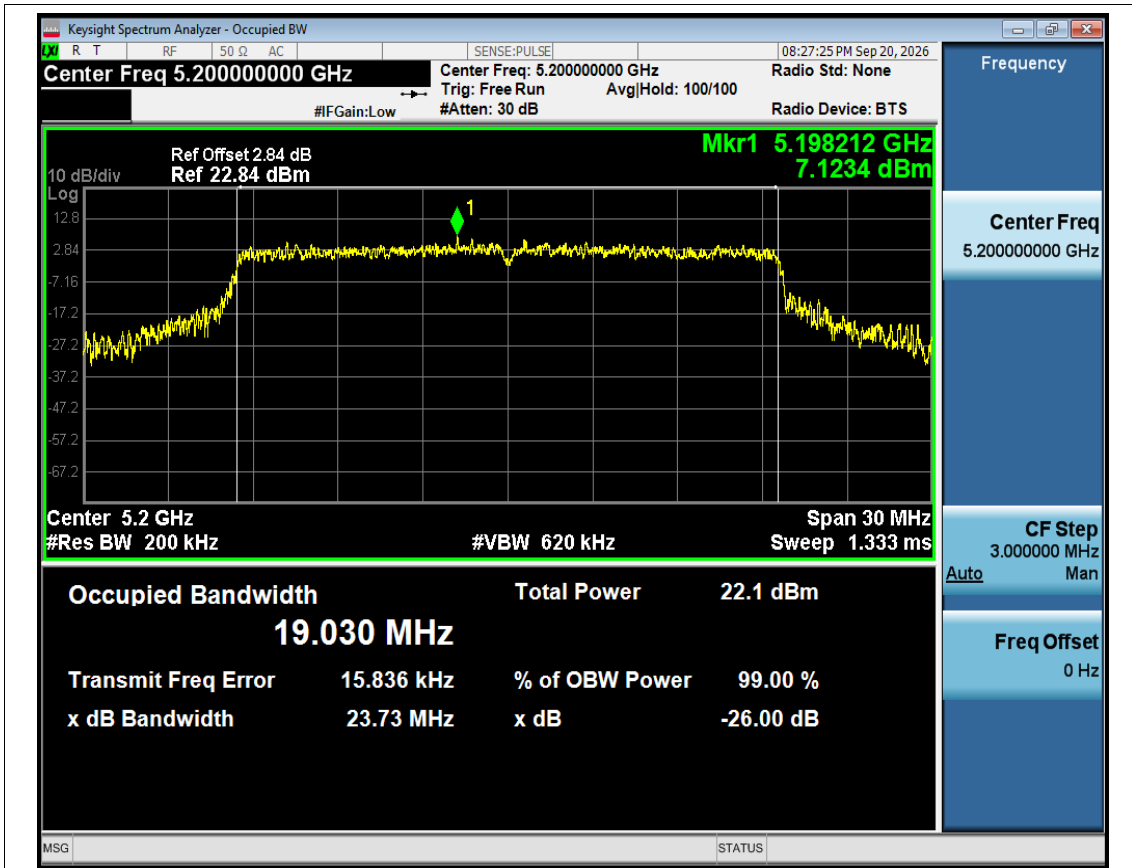
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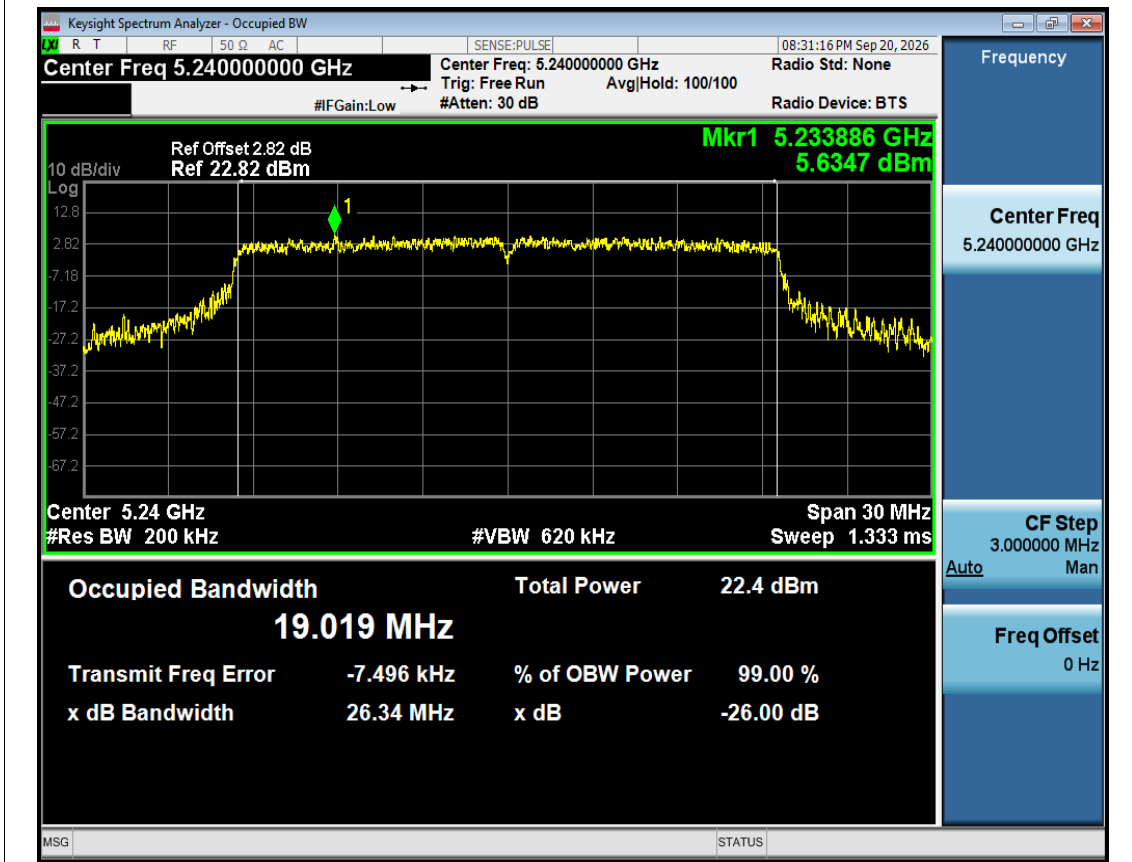
OBW NVNT ac40 5230MHz Ant1



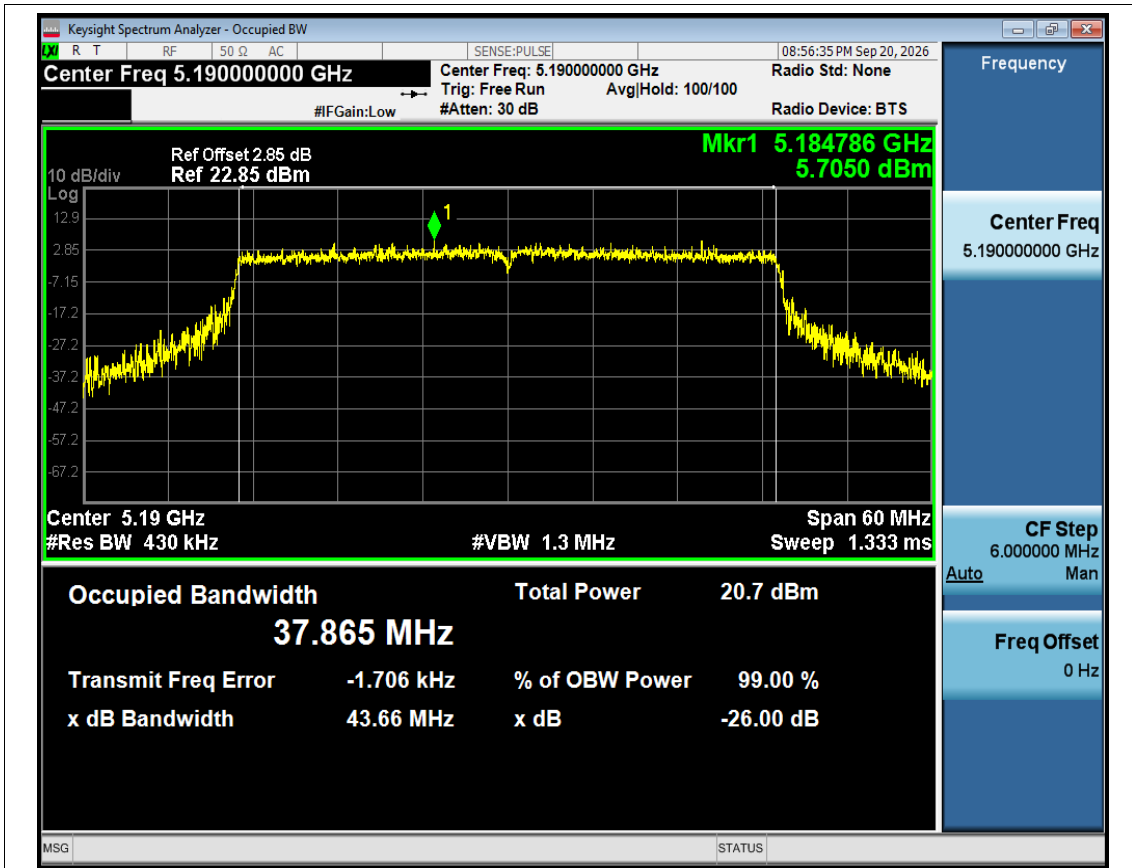
OBW NVNT ax20 5180MHz Ant1



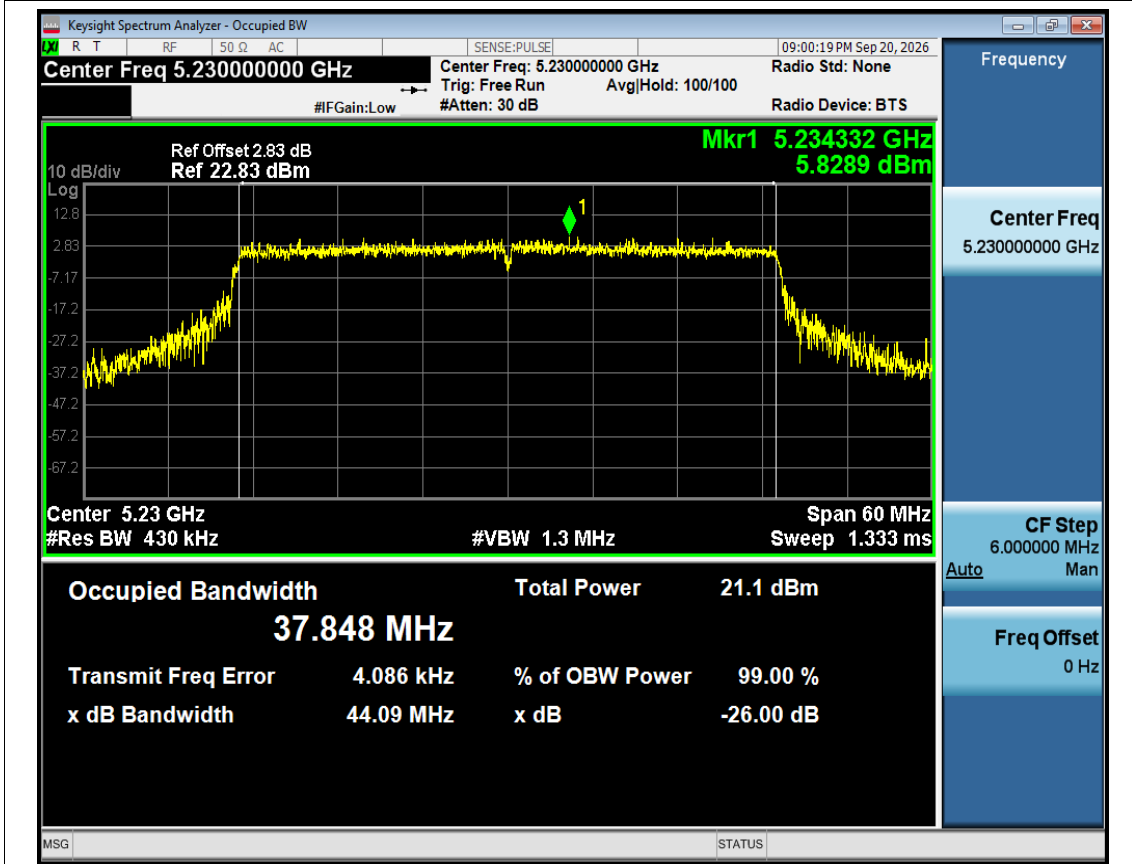
OBW NVNT ax20 5200MHz Ant1



OBW NVNT ax20 5240MHz Ant1



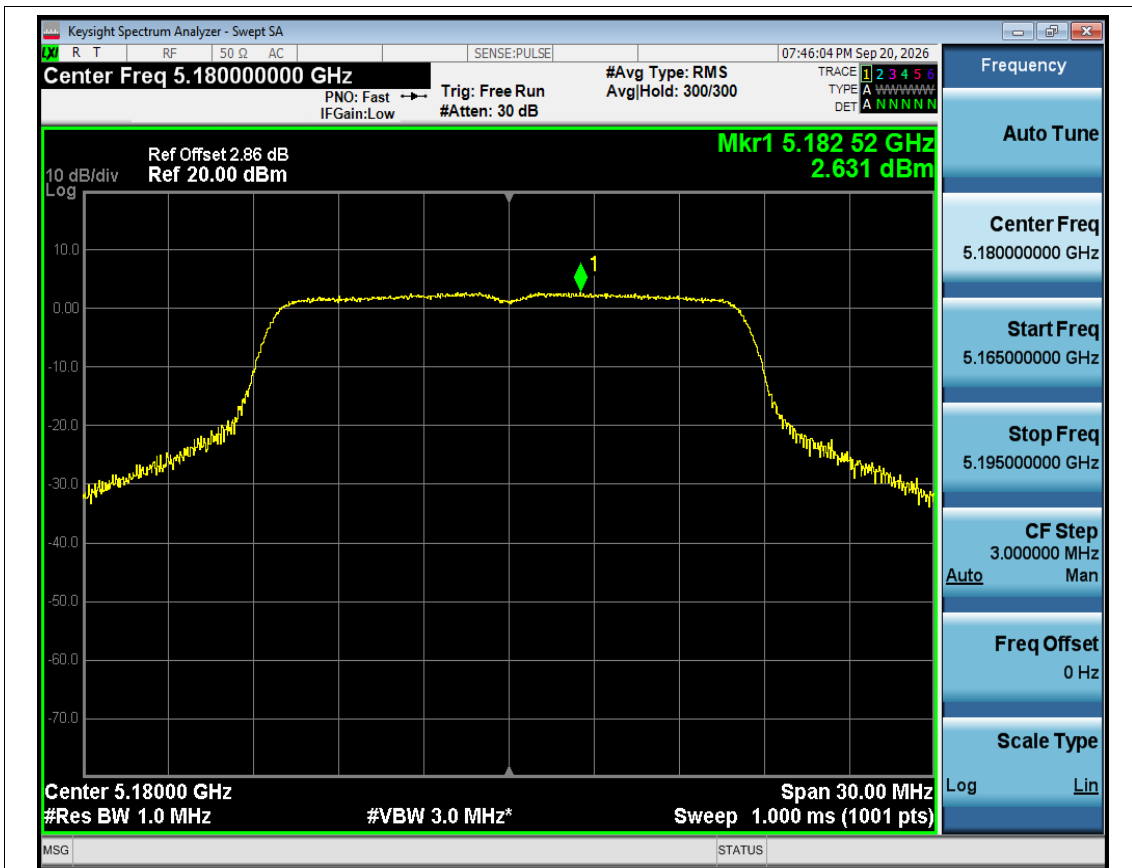
OBW NVNT ax40 5190MHz Ant1



OBW NVNT ax40 5230MHz Ant1

Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total Conducted PSD (dBm/MHz)	Limit Conducted (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	2.63	1.8	4.43	11	Pass
NVNT	a	5200	Ant1	3.14	1.73	4.87	11	Pass
NVNT	a	5240	Ant1	3.68	1.8	5.48	11	Pass
NVNT	n20	5180	Ant1	2.62	1.91	4.53	11	Pass
NVNT	n20	5200	Ant1	3.05	1.91	4.96	11	Pass
NVNT	n20	5240	Ant1	2.88	1.84	4.72	11	Pass
NVNT	n40	5190	Ant1	-1.86	3.23	1.37	11	Pass
NVNT	n40	5230	Ant1	-2.18	3.36	1.18	11	Pass
NVNT	ac20	5180	Ant1	3.01	1.91	4.92	11	Pass
NVNT	ac20	5200	Ant1	3.32	1.91	5.23	11	Pass
NVNT	ac20	5240	Ant1	3.31	1.91	5.22	11	Pass
NVNT	ac40	5190	Ant1	-2.58	3.12	0.54	11	Pass
NVNT	ac40	5230	Ant1	-1.93	3.12	1.19	11	Pass
NVNT	ax20	5180	Ant1	2.24	2.37	4.61	11	Pass
NVNT	ax20	5200	Ant1	2.43	2.37	4.8	11	Pass
NVNT	ax20	5240	Ant1	2.95	2.22	5.17	11	Pass
NVNT	ax40	5190	Ant1	-3.13	3.68	0.55	11	Pass
NVNT	ax40	5230	Ant1	-2.98	3.8	0.82	11	Pass



PSD NVNT a 5180MHz Ant1



PSD NVNT a 5200MHz Ant1



PSD NVNT a 5240MHz Ant1



PSD NVNT n20 5180MHz Ant1



PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



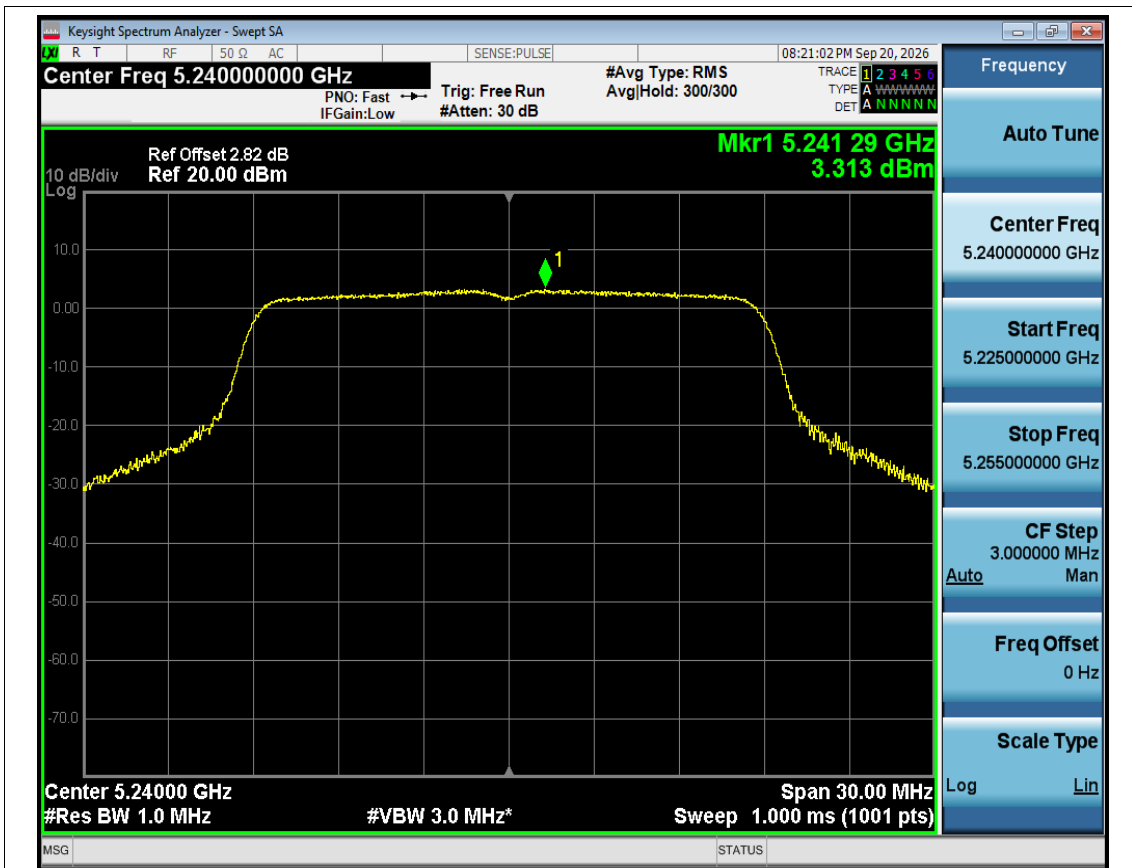
PSD NVNT n40 5230MHz Ant1



PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5200MHz Ant1



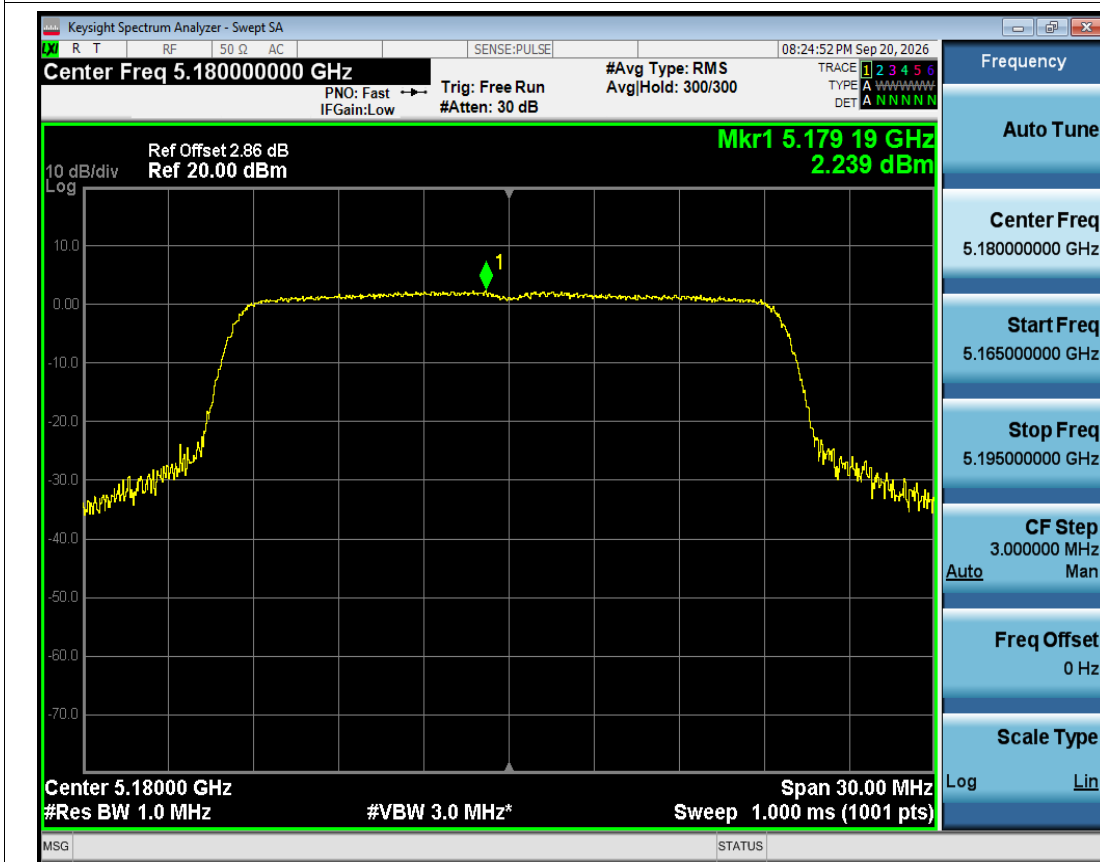
PSD NVNT ac20 5240MHz Ant1



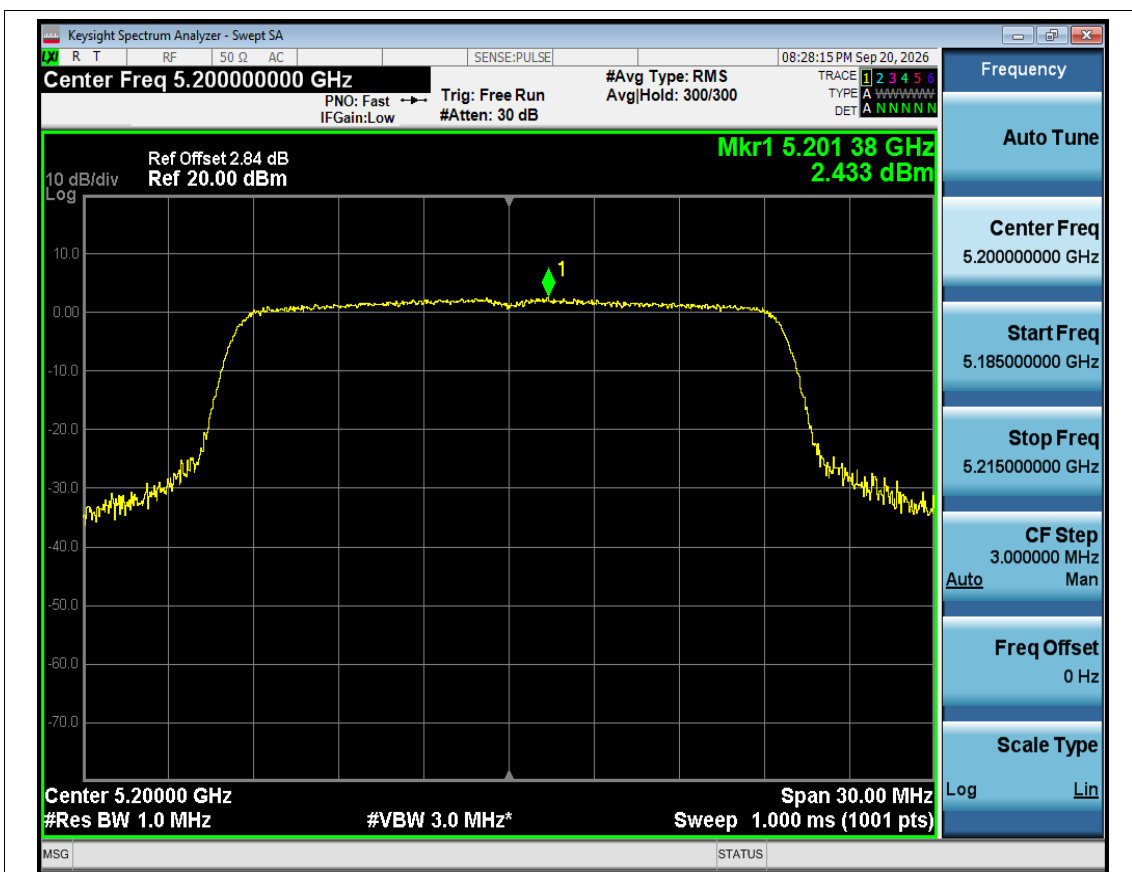
PSD NVNT ac40 5190MHz Ant1



PSD NVNT ac40 5230MHz Ant1



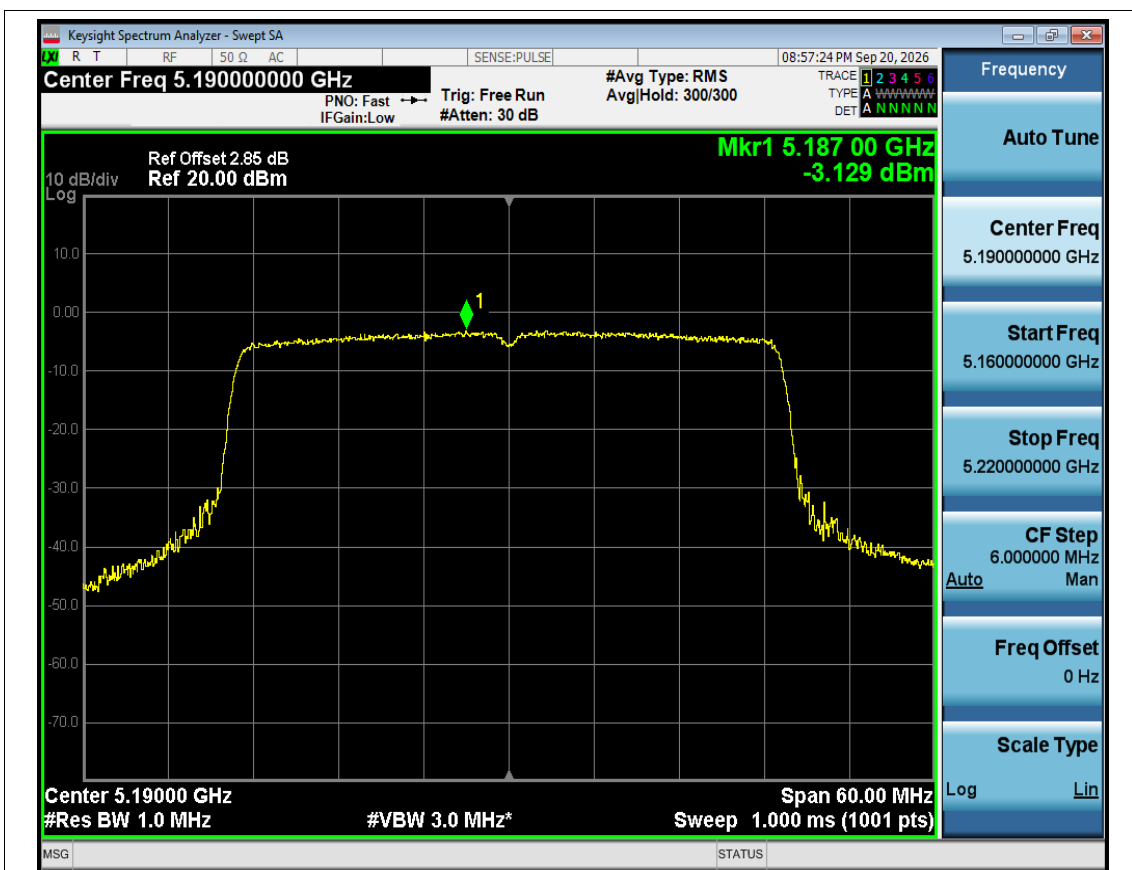
PSD NVNT ax20 5180MHz Ant1



PSD NVNT ax20 5200MHz Ant1



PSD NVNT ax20 5240MHz Ant1



PSD NVNT ax40 5190MHz Ant1



PSD NVNT ax40 5230MHz Ant1

Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant1	5180	0	0	20	Pass
NVNT	a	5200	Ant1	5200	0	0	20	Pass
NVNT	a	5240	Ant1	5240	0	0	20	Pass
NVNT	n20	5180	Ant1	5179.98	-20000	-3.86	20	Pass
NVNT	n20	5200	Ant1	5200	0	0	20	Pass
NVNT	n20	5240	Ant1	5240	0	0	20	Pass
NVNT	n40	5190	Ant1	5190	0	0	20	Pass
NVNT	n40	5230	Ant1	5229.96	-40000	-7.65	20	Pass
NVNT	ac20	5180	Ant1	5180	0	0	20	Pass
NVNT	ac20	5200	Ant1	5199.98	-20000	-3.85	20	Pass
NVNT	ac20	5240	Ant1	5240	0	0	20	Pass
NVNT	ac40	5190	Ant1	5190	0	0	20	Pass
NVNT	ac40	5230	Ant1	5230	0	0	20	Pass
NVNT	ax20	5180	Ant1	5180	0	0	20	Pass
NVNT	ax20	5200	Ant1	5200	0	0	20	Pass
NVNT	ax20	5240	Ant1	5240	0	0	20	Pass
NVNT	ax40	5190	Ant1	5190	0	0	20	Pass
NVNT	ax40	5230	Ant1	5230	0	0	20	Pass