



Appendix C

RF Test Data for 2.4GWIFI(Conducted Measurement)

Product Name: Tablet

Test Model: 8WC1

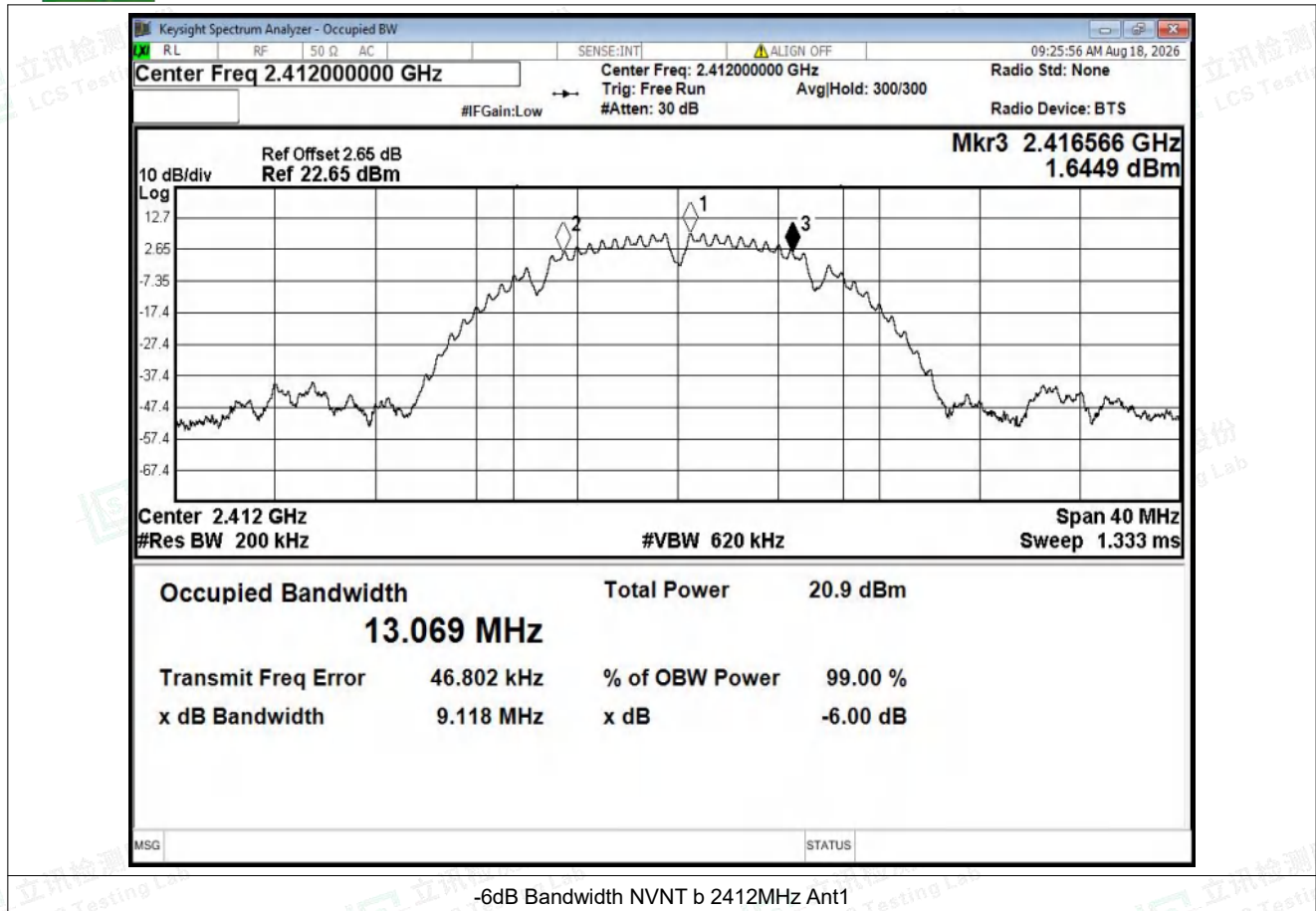
Environmental Conditions

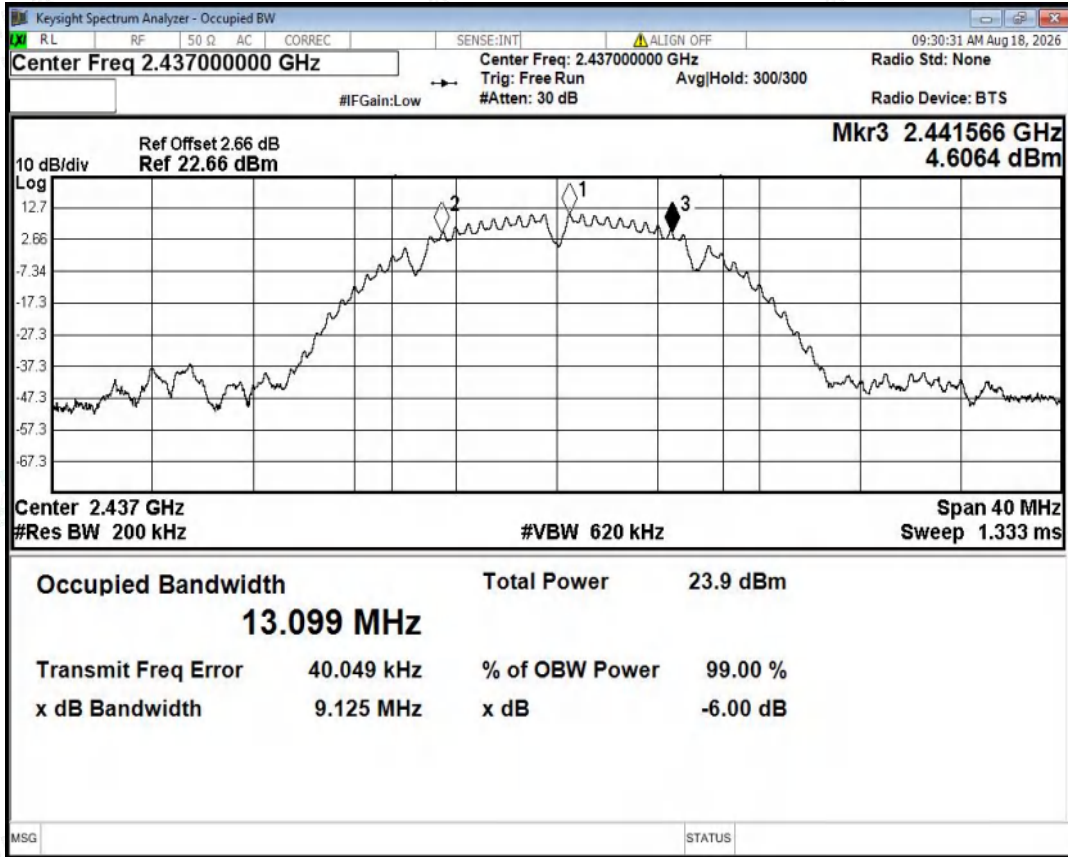
Temperature:	24.5° C
Relative Humidity:	53.0%
ATM Pressure:	100.0 kPa
Test Engineer:	Faith Li
Supervised by:	Can Kun



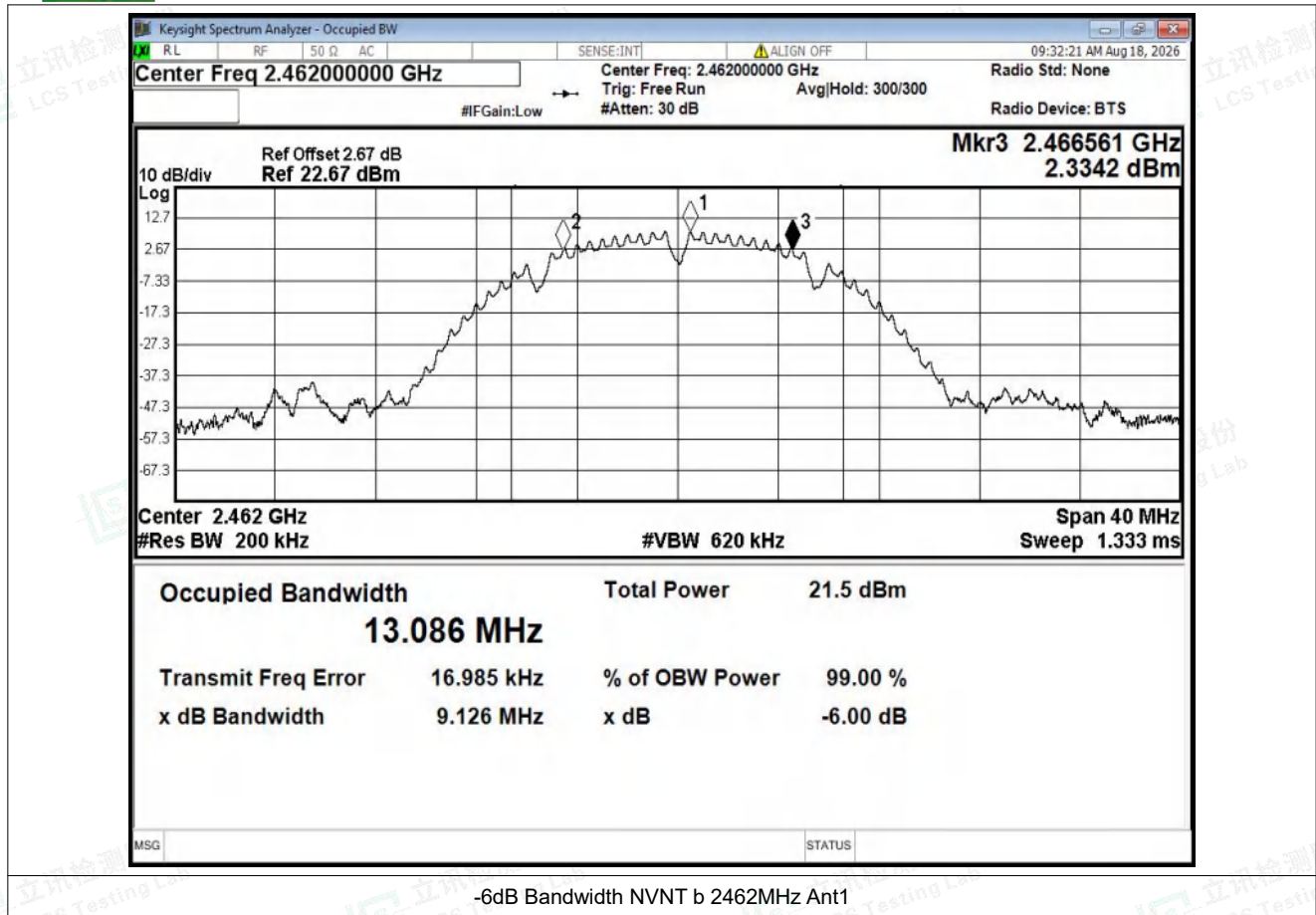
C.1 -6dB Bandwidth

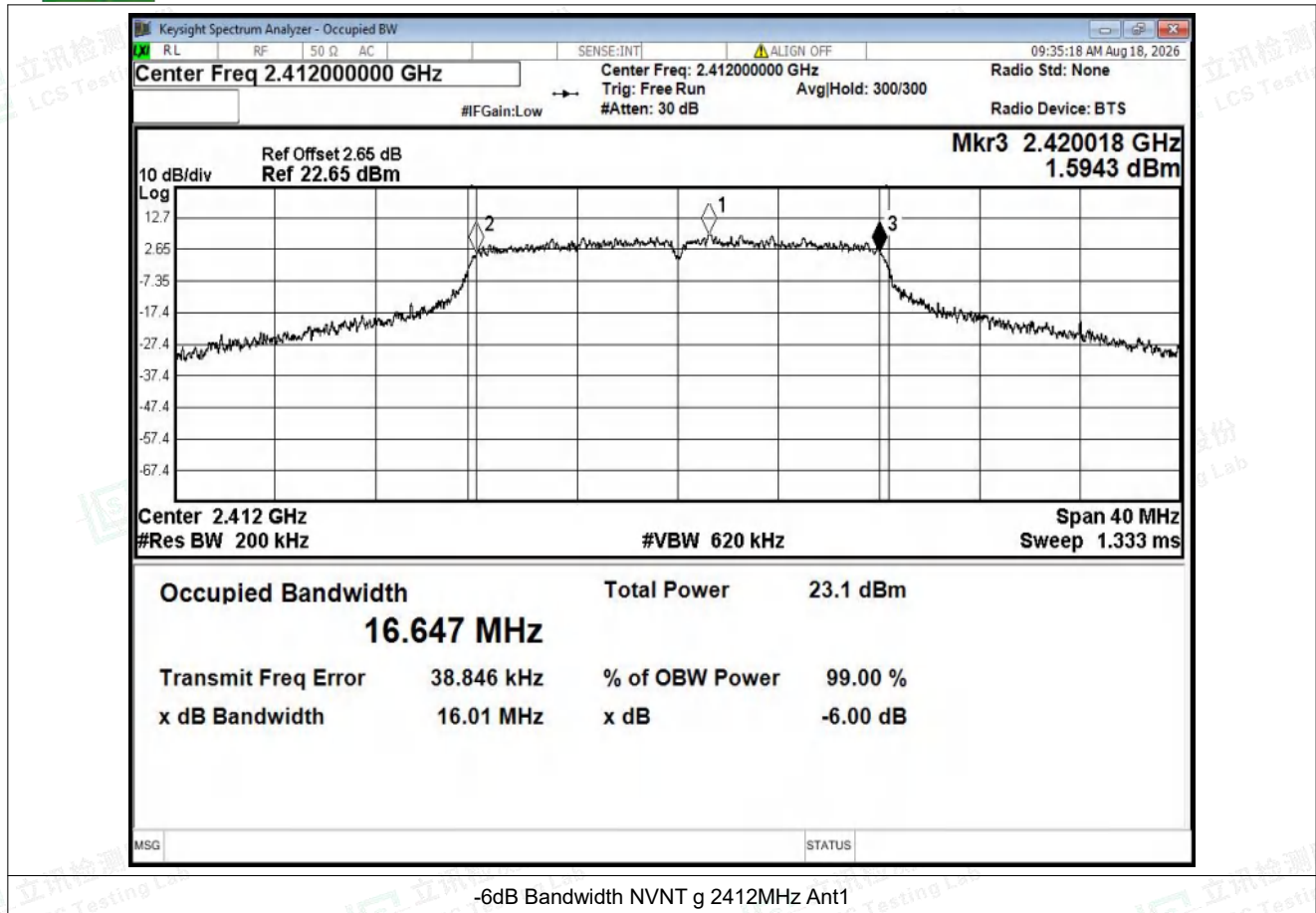
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.118	0.5	Pass
NVNT	b	2437	Ant1	9.125	0.5	Pass
NVNT	b	2462	Ant1	9.126	0.5	Pass
NVNT	g	2412	Ant1	16.01	0.5	Pass
NVNT	g	2437	Ant1	16.07	0.5	Pass
NVNT	g	2462	Ant1	16.16	0.5	Pass
NVNT	n20	2412	Ant1	17.15	0.5	Pass
NVNT	n20	2437	Ant1	17.17	0.5	Pass
NVNT	n20	2462	Ant1	16.7	0.5	Pass
NVNT	n40	2422	Ant1	35.51	0.5	Pass
NVNT	n40	2437	Ant1	36.02	0.5	Pass
NVNT	n40	2452	Ant1	35.86	0.5	Pass
NVNT	ax20	2412	Ant1	16.97	0.5	Pass
NVNT	ax20	2437	Ant1	17.89	0.5	Pass
NVNT	ax20	2462	Ant1	17.54	0.5	Pass
NVNT	ax40	2422	Ant1	37	0.5	Pass
NVNT	ax40	2437	Ant1	36.79	0.5	Pass
NVNT	ax40	2452	Ant1	36.69	0.5	Pass

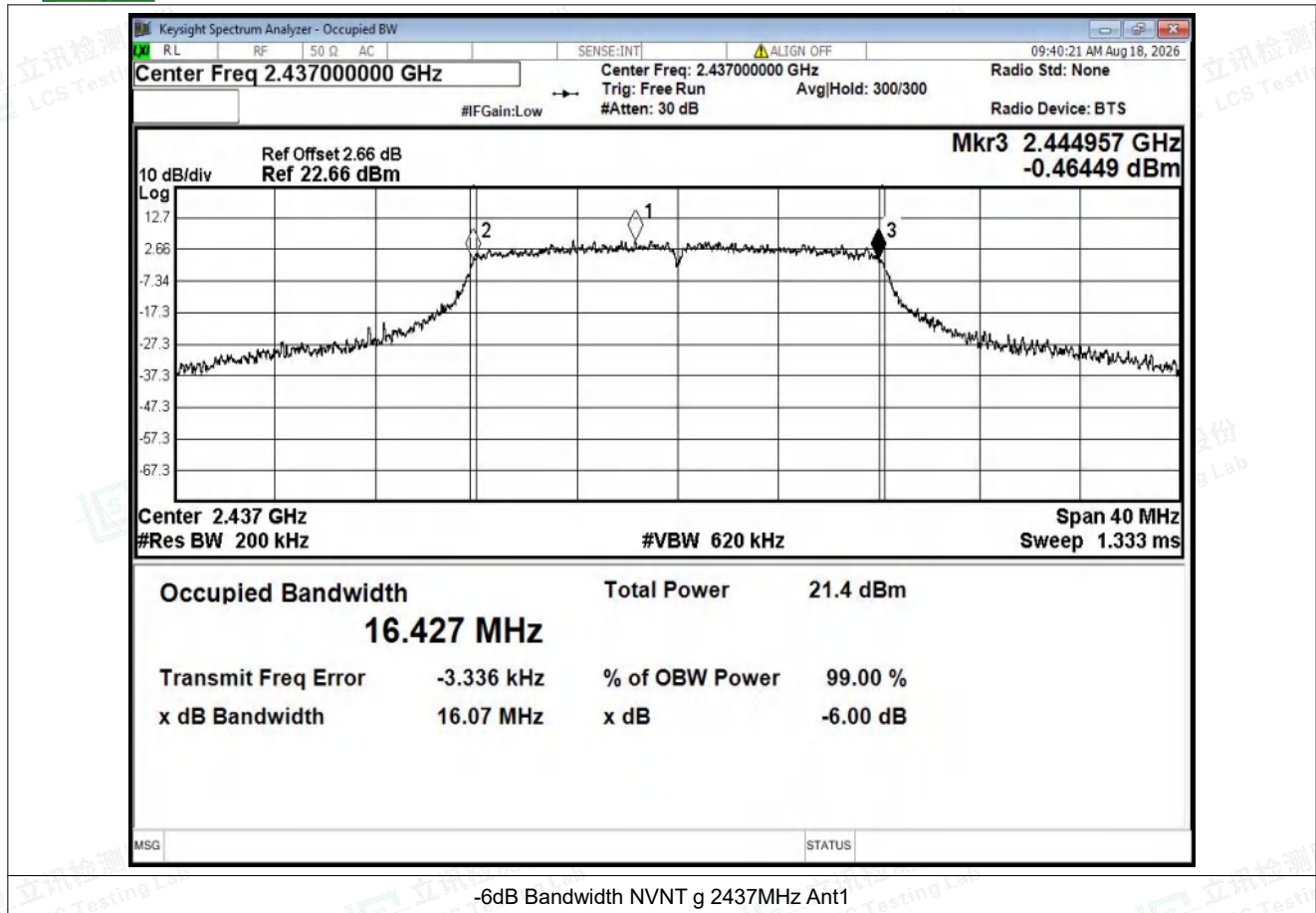


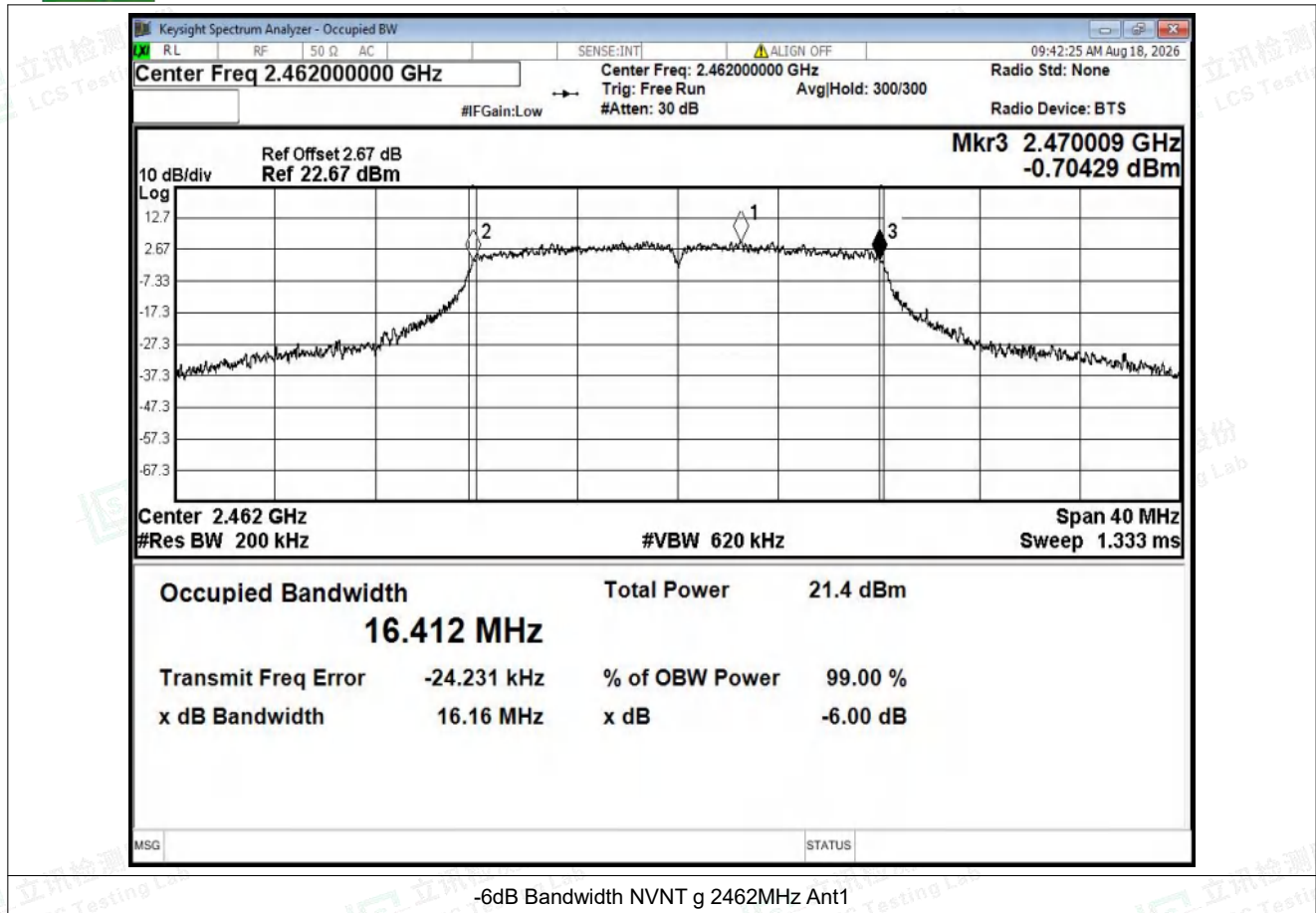


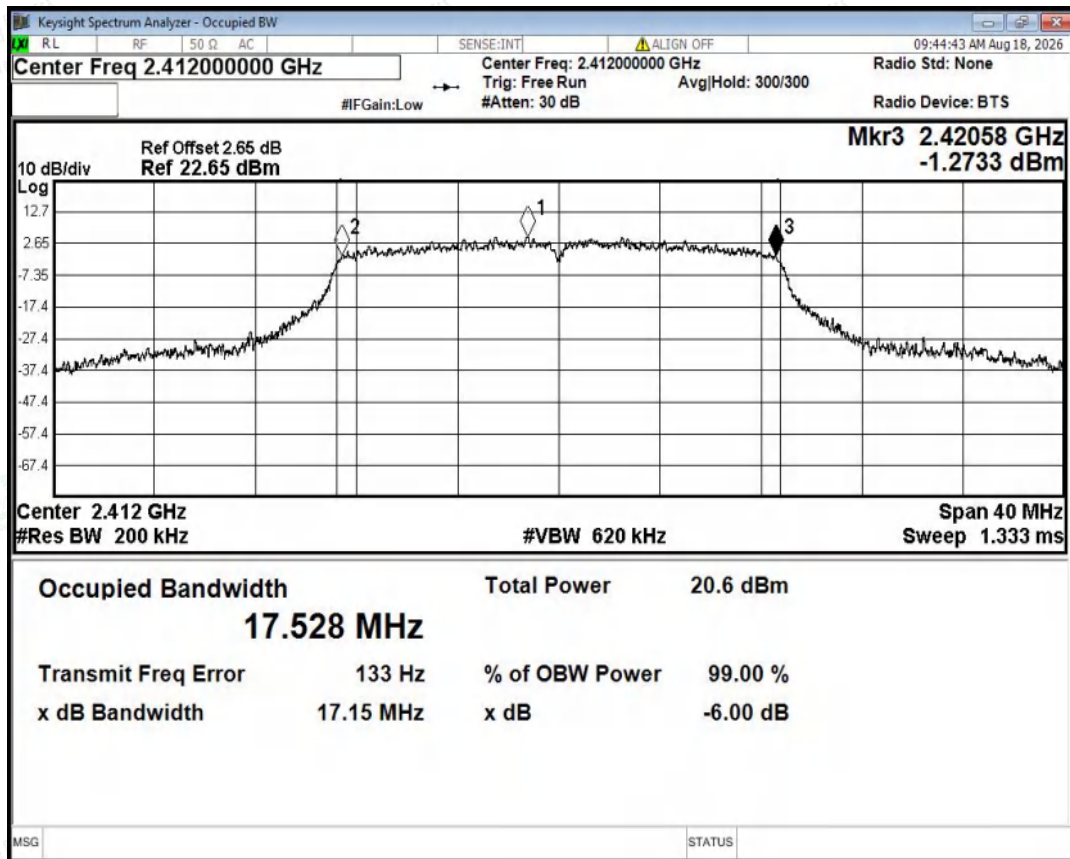
-6dB Bandwidth NVNT b 2437MHz Ant1



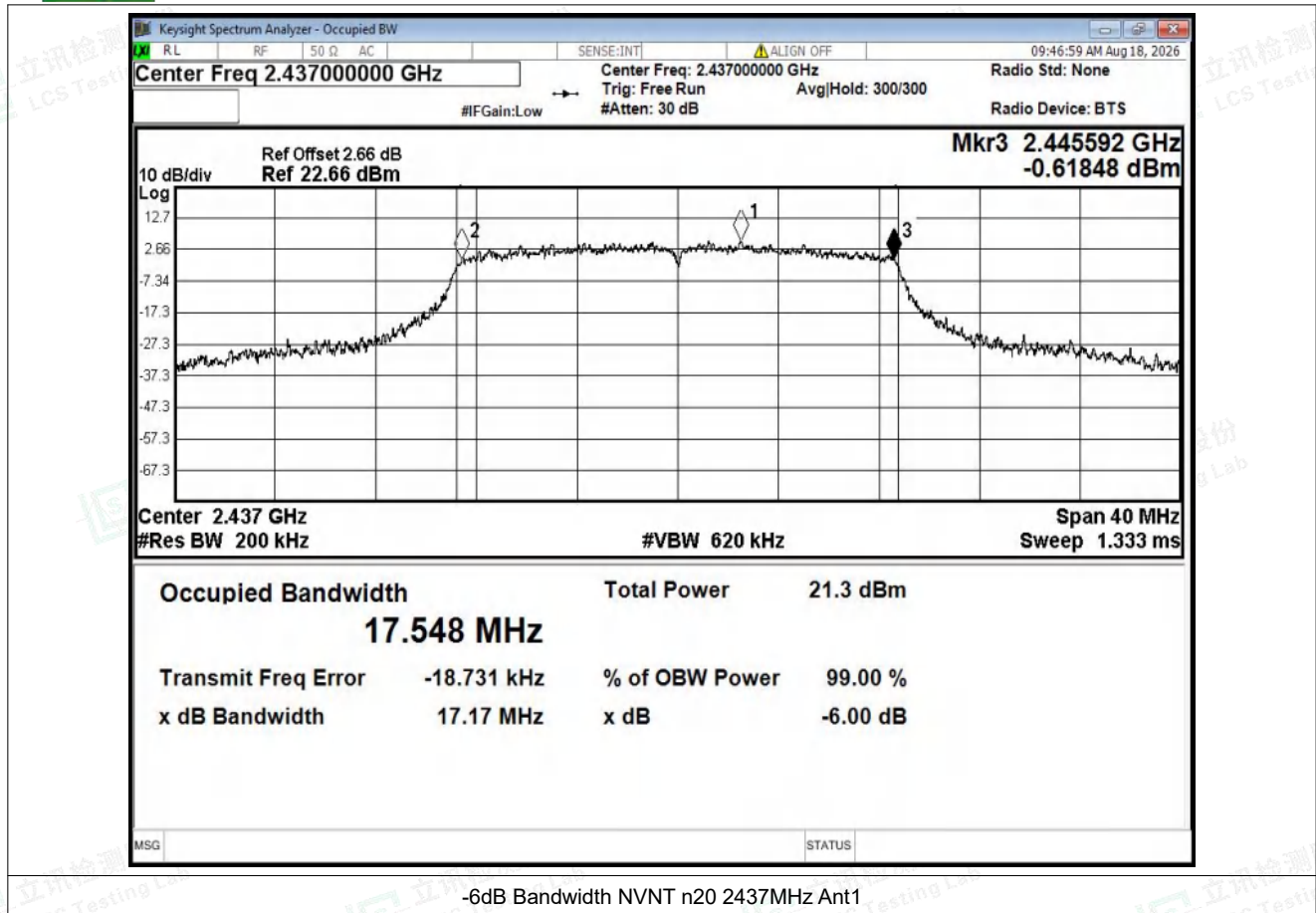


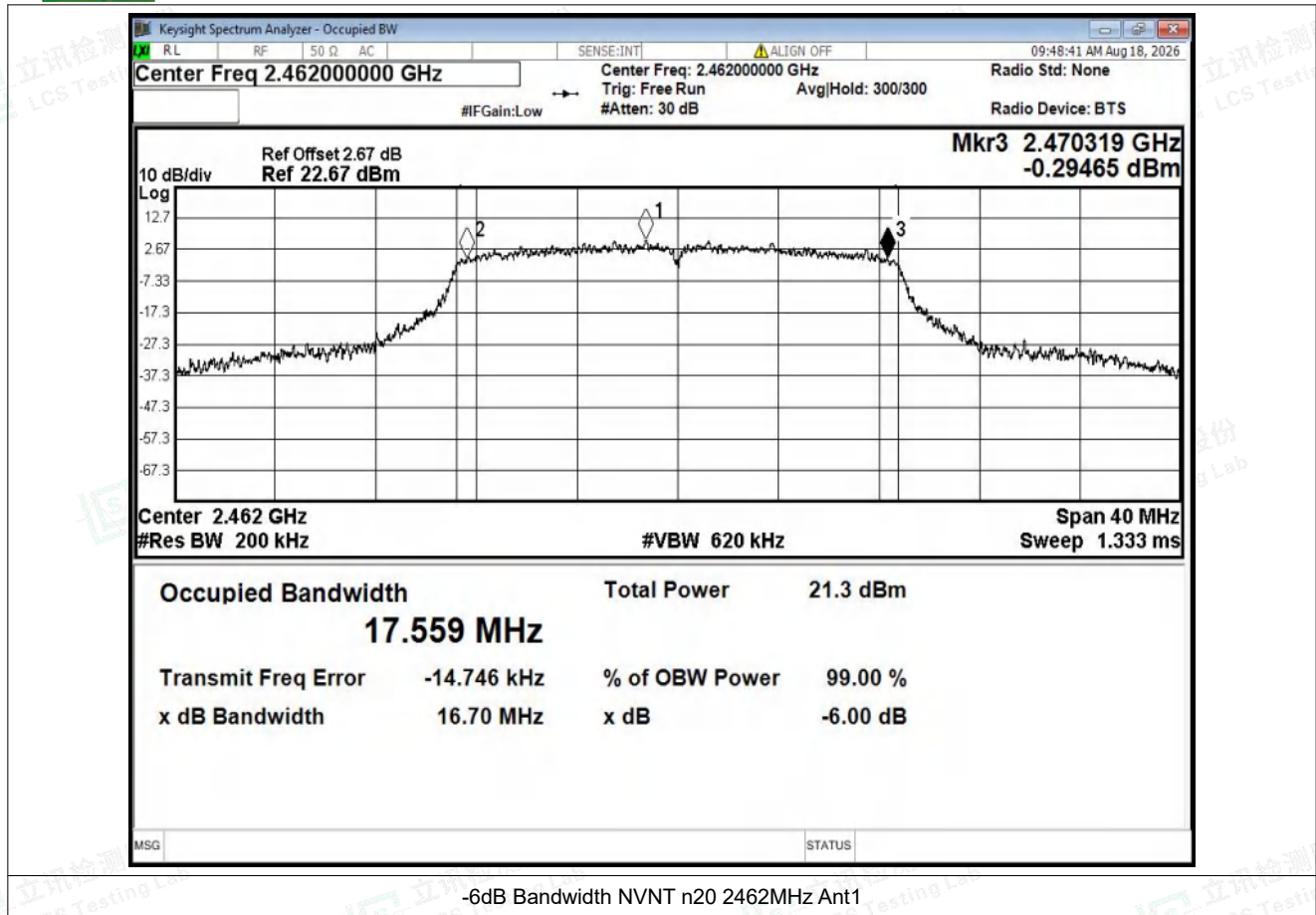


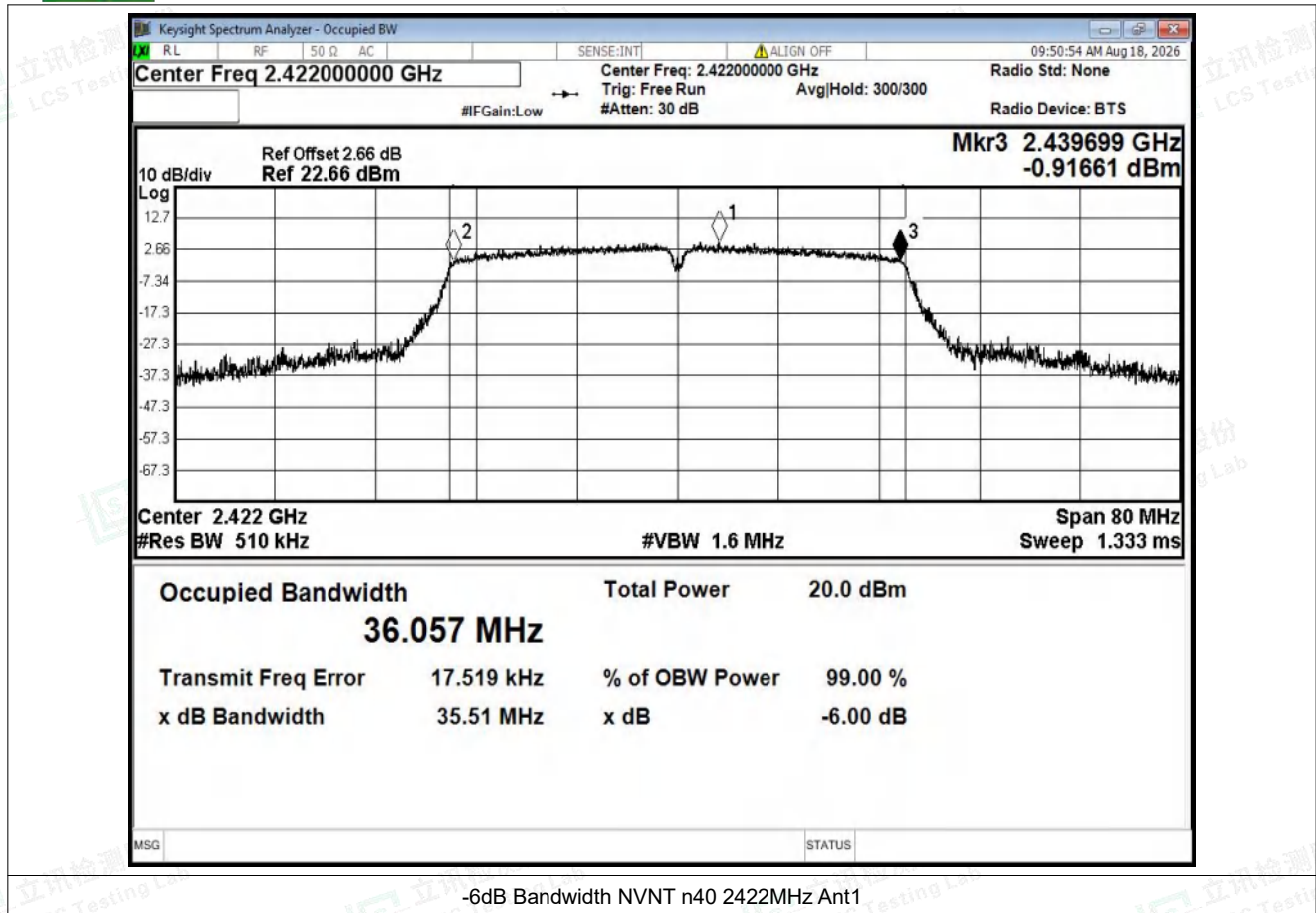


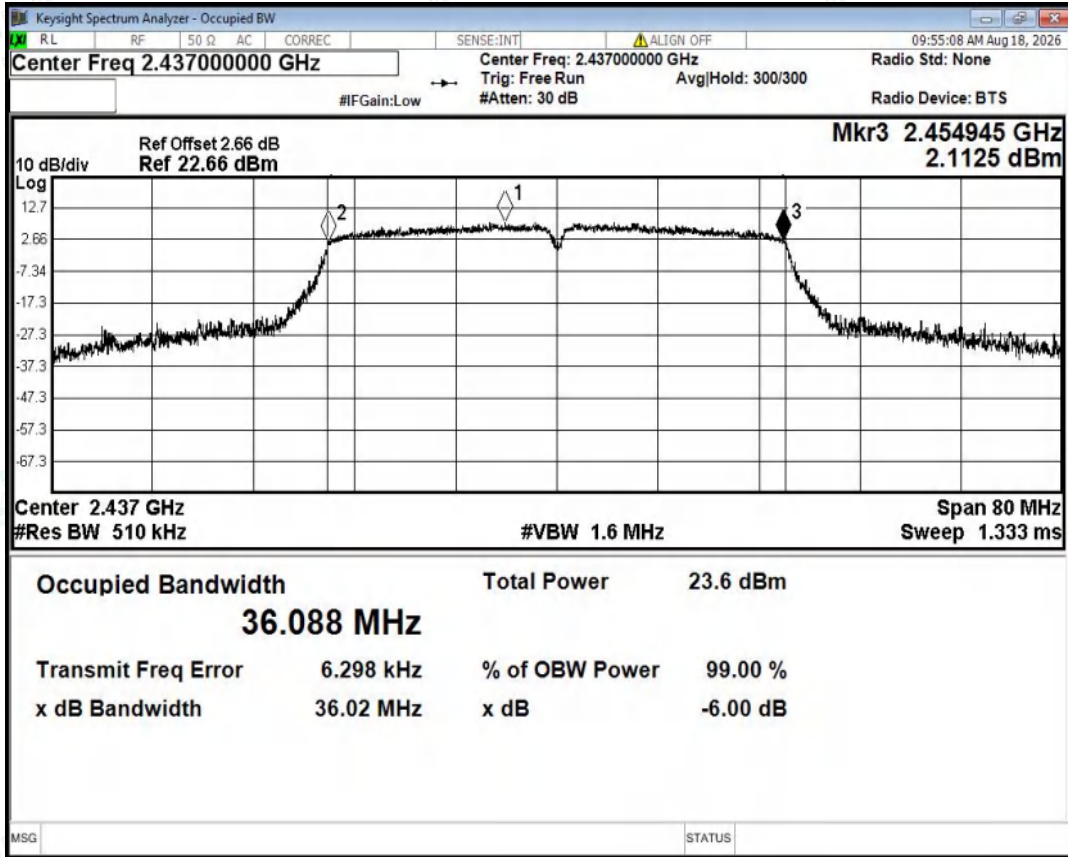


-6dB Bandwidth NVNT n20 2412MHz Ant1

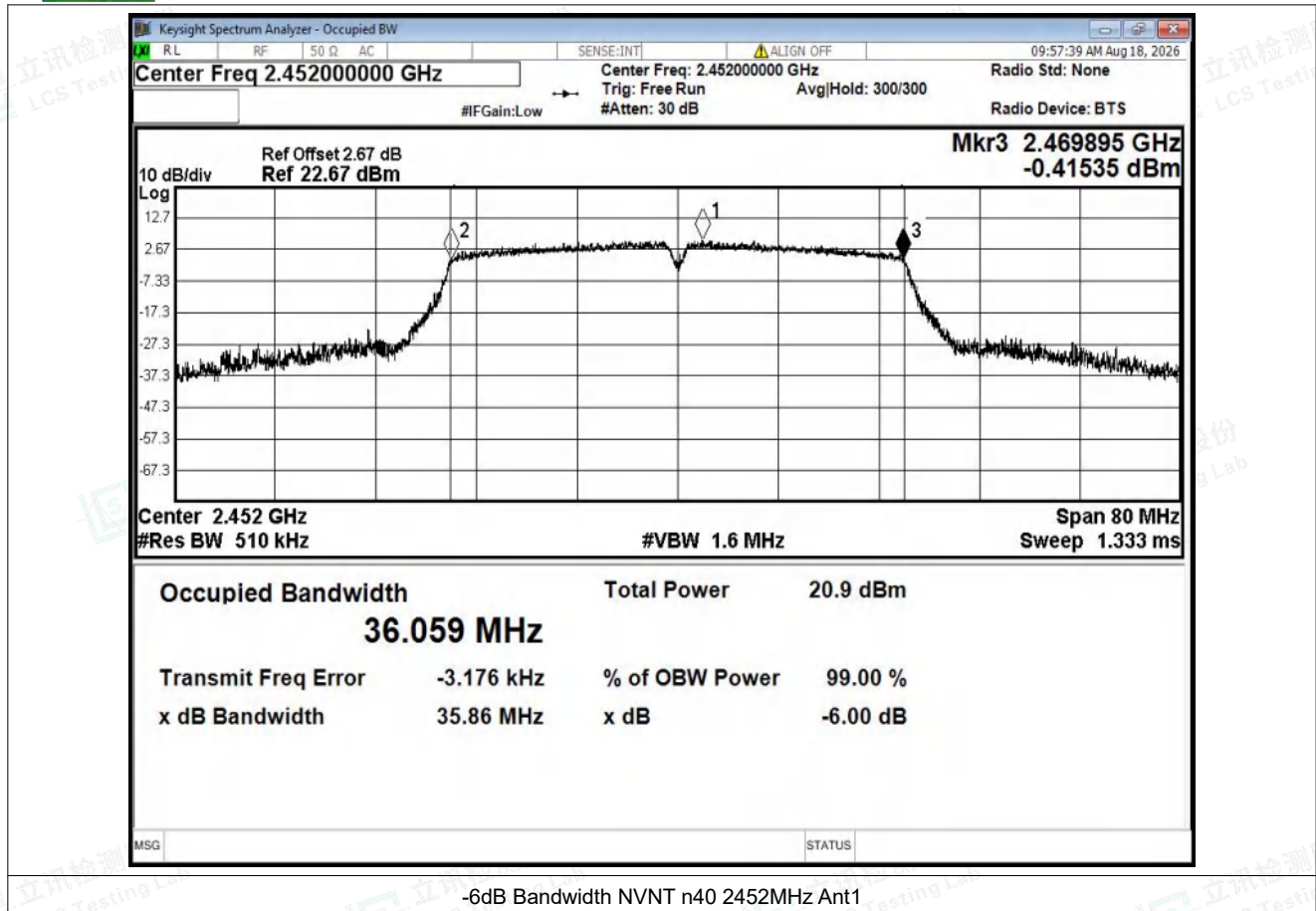


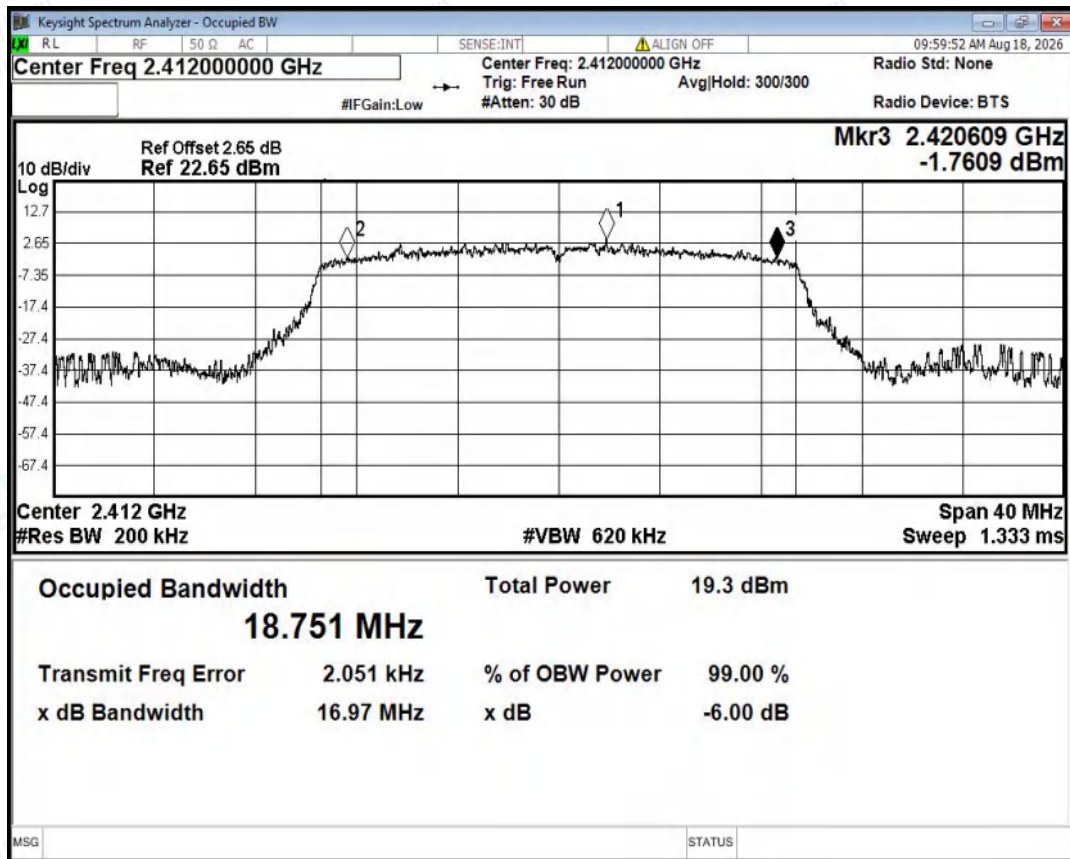




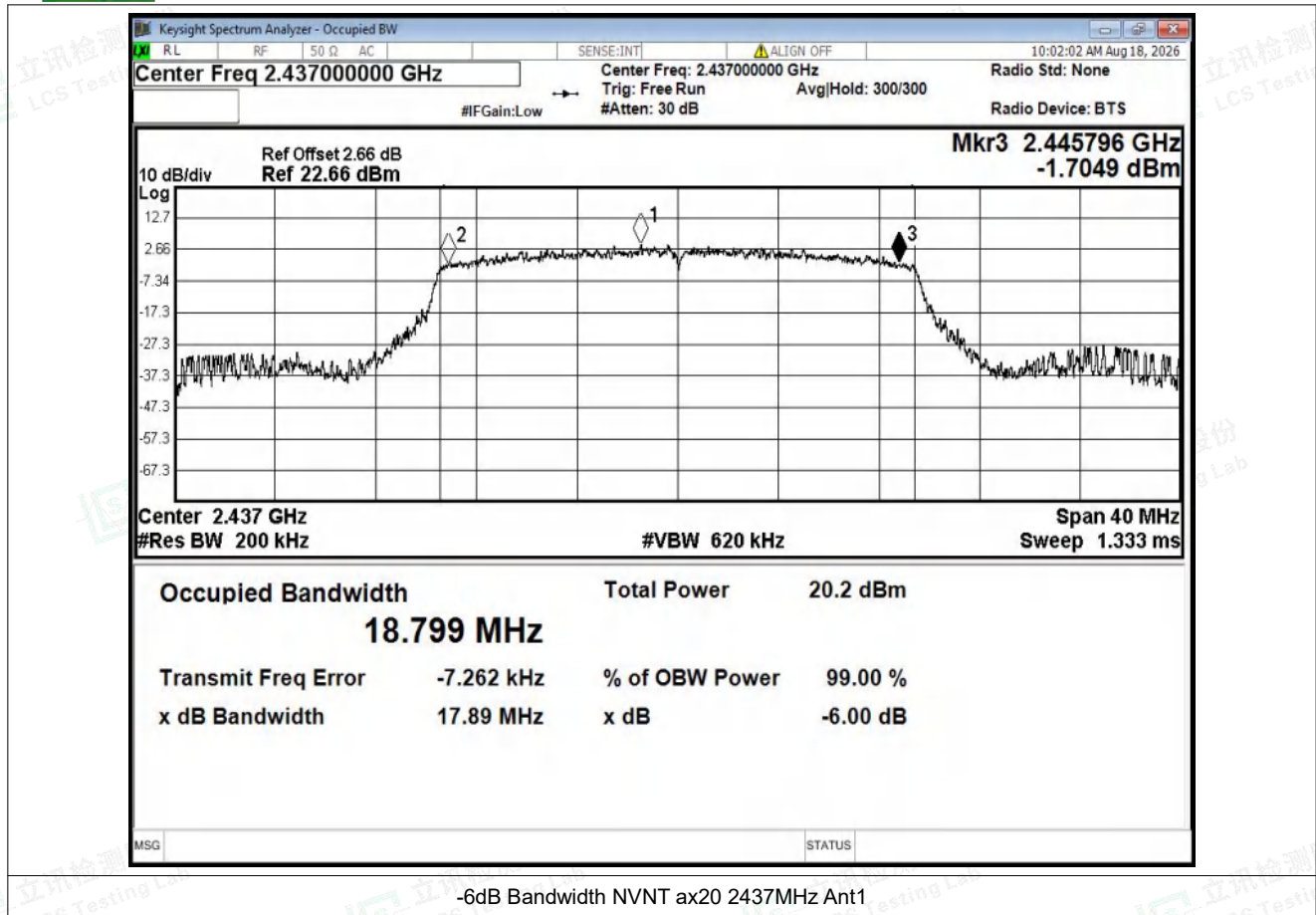


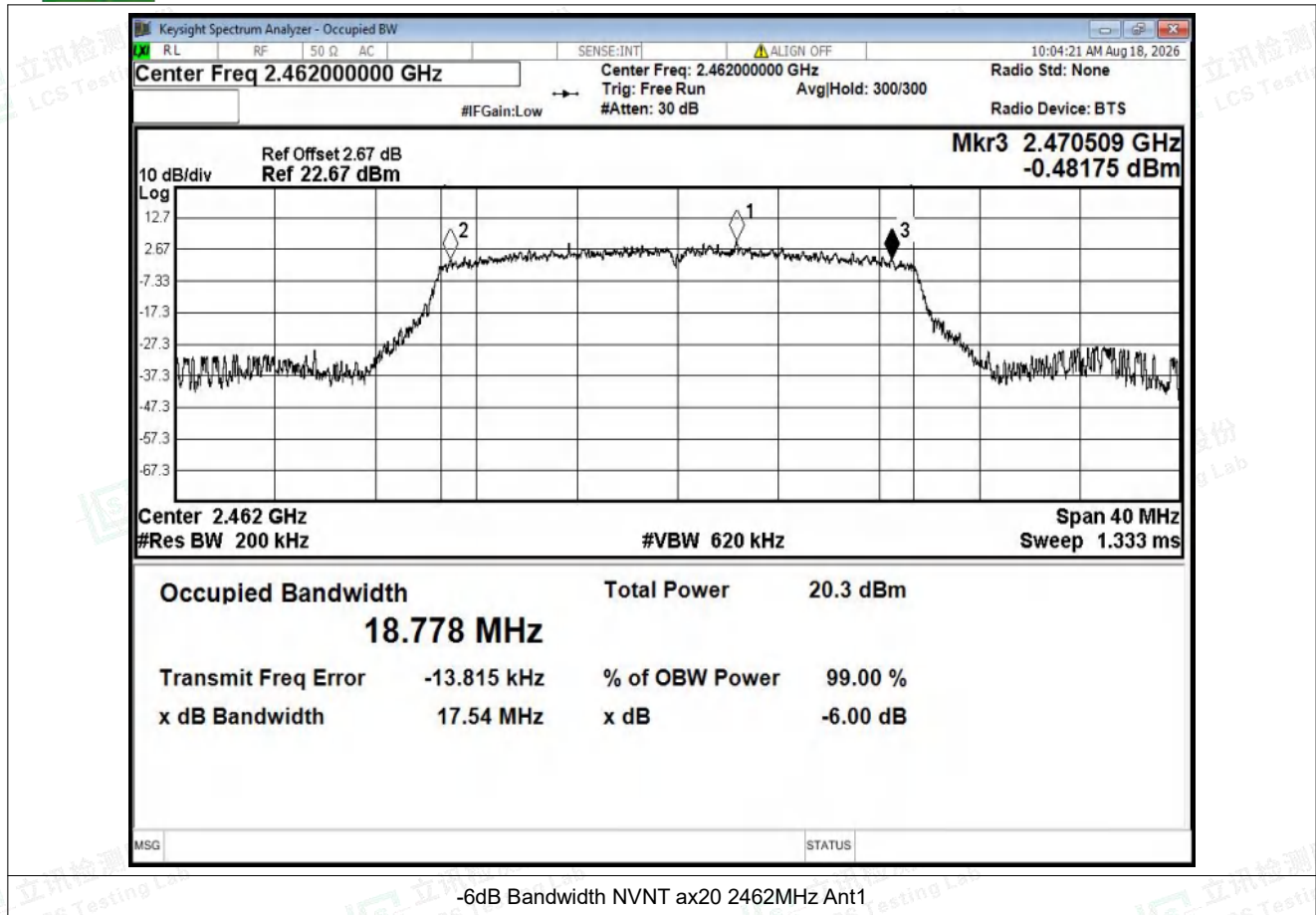
-6dB Bandwidth NVNT n40 2437MHz Ant1

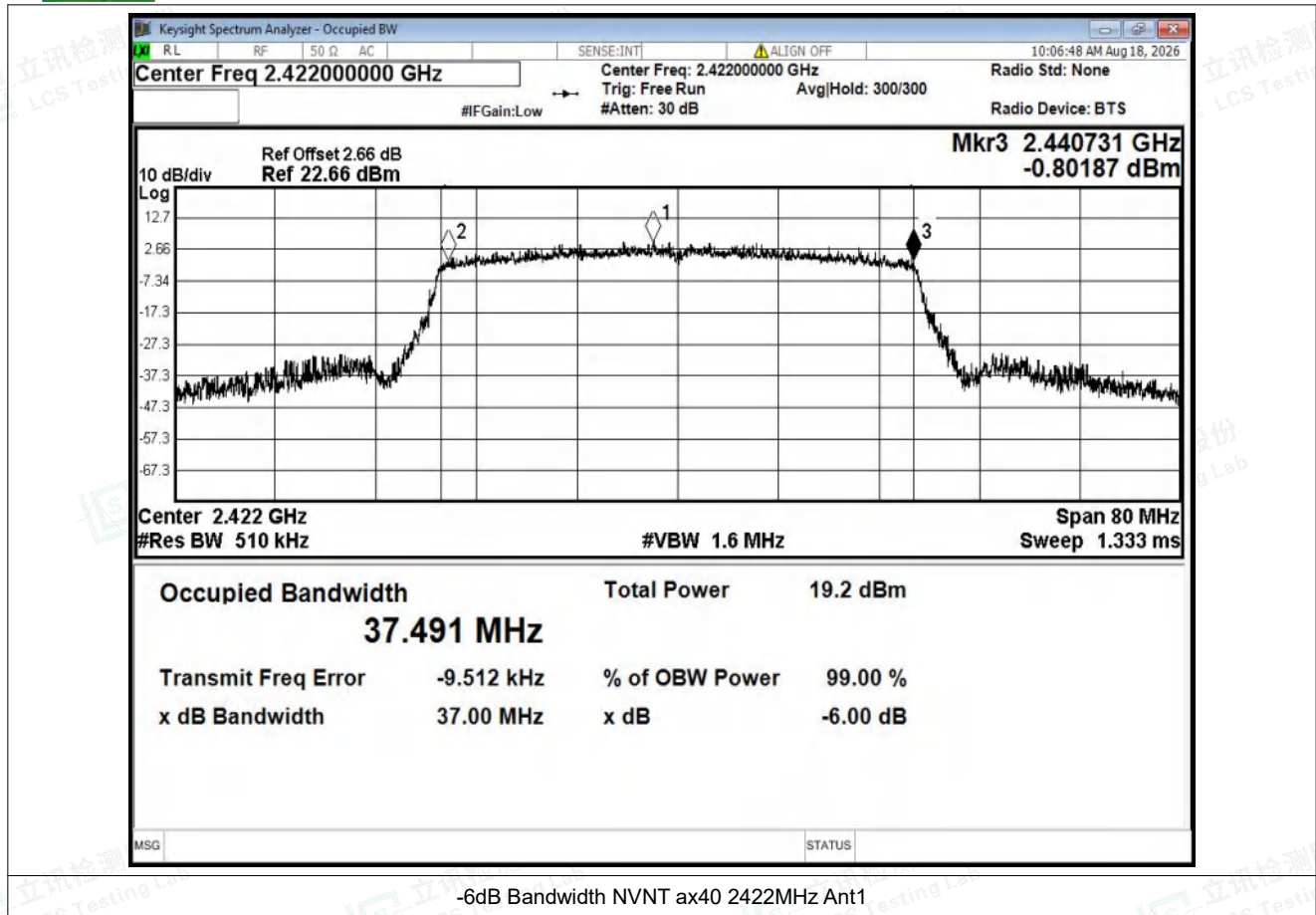


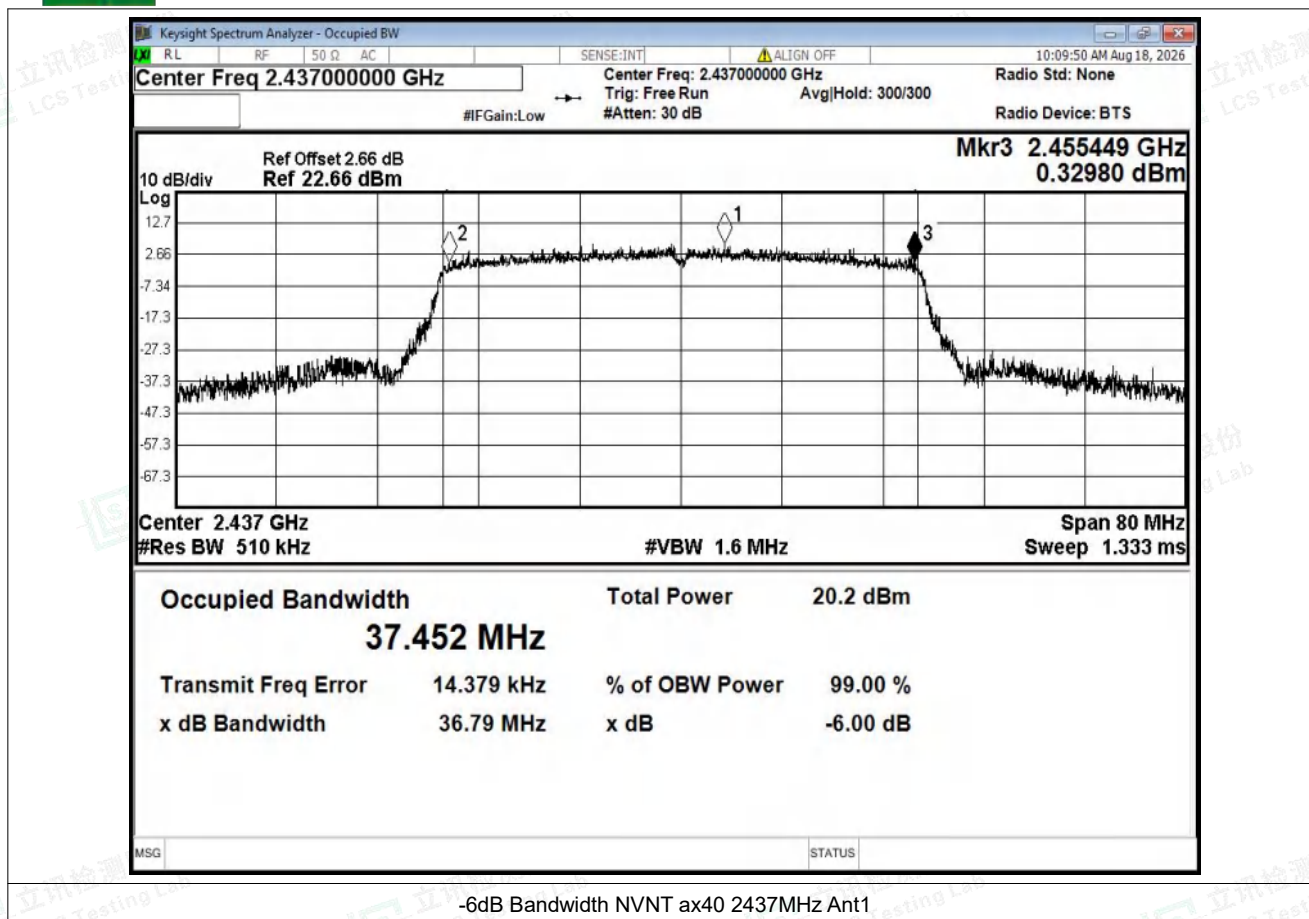


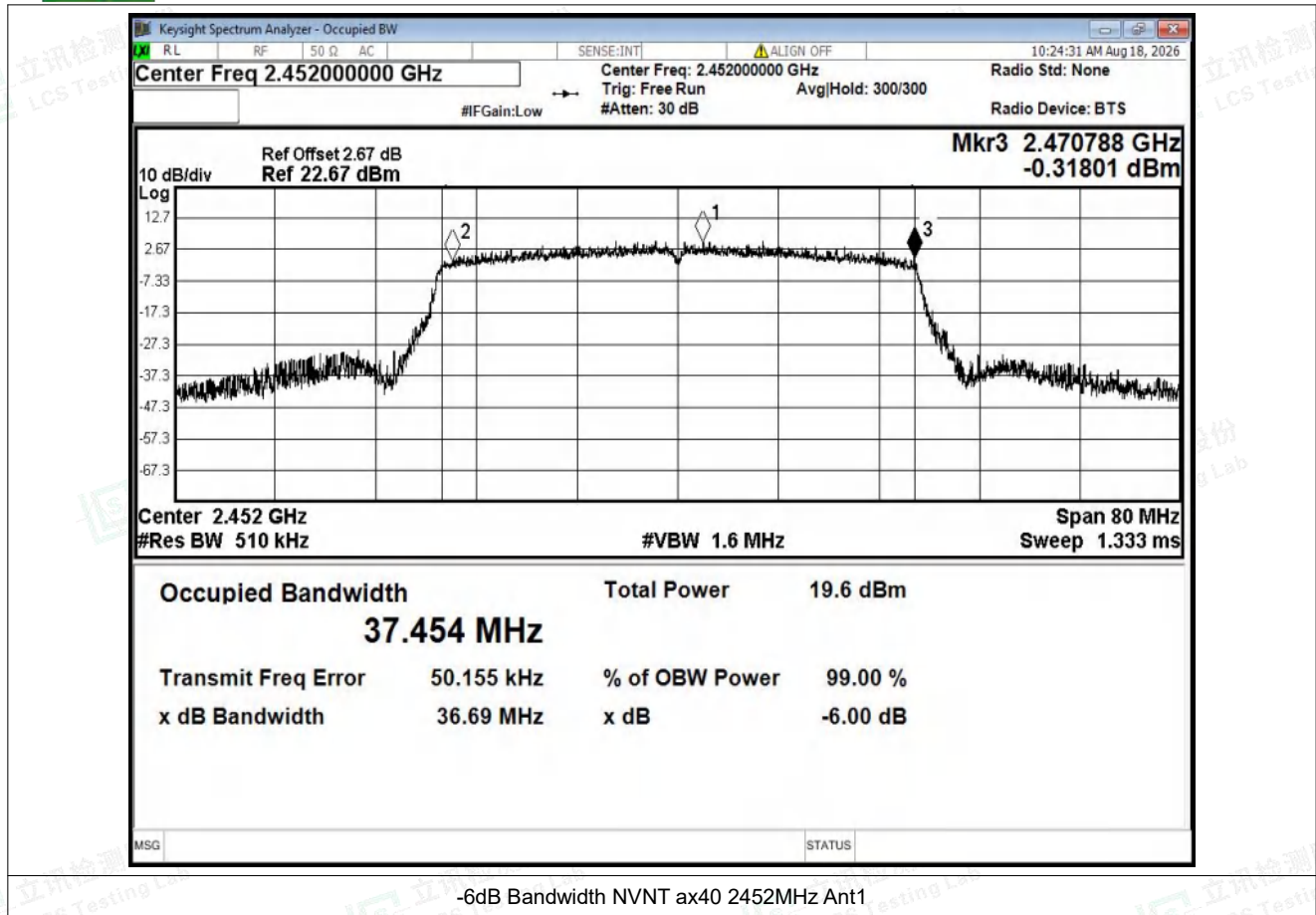
-6dB Bandwidth NVNT ax20 2412MHz Ant1













C.2 Maximum Average Conducted Output Power

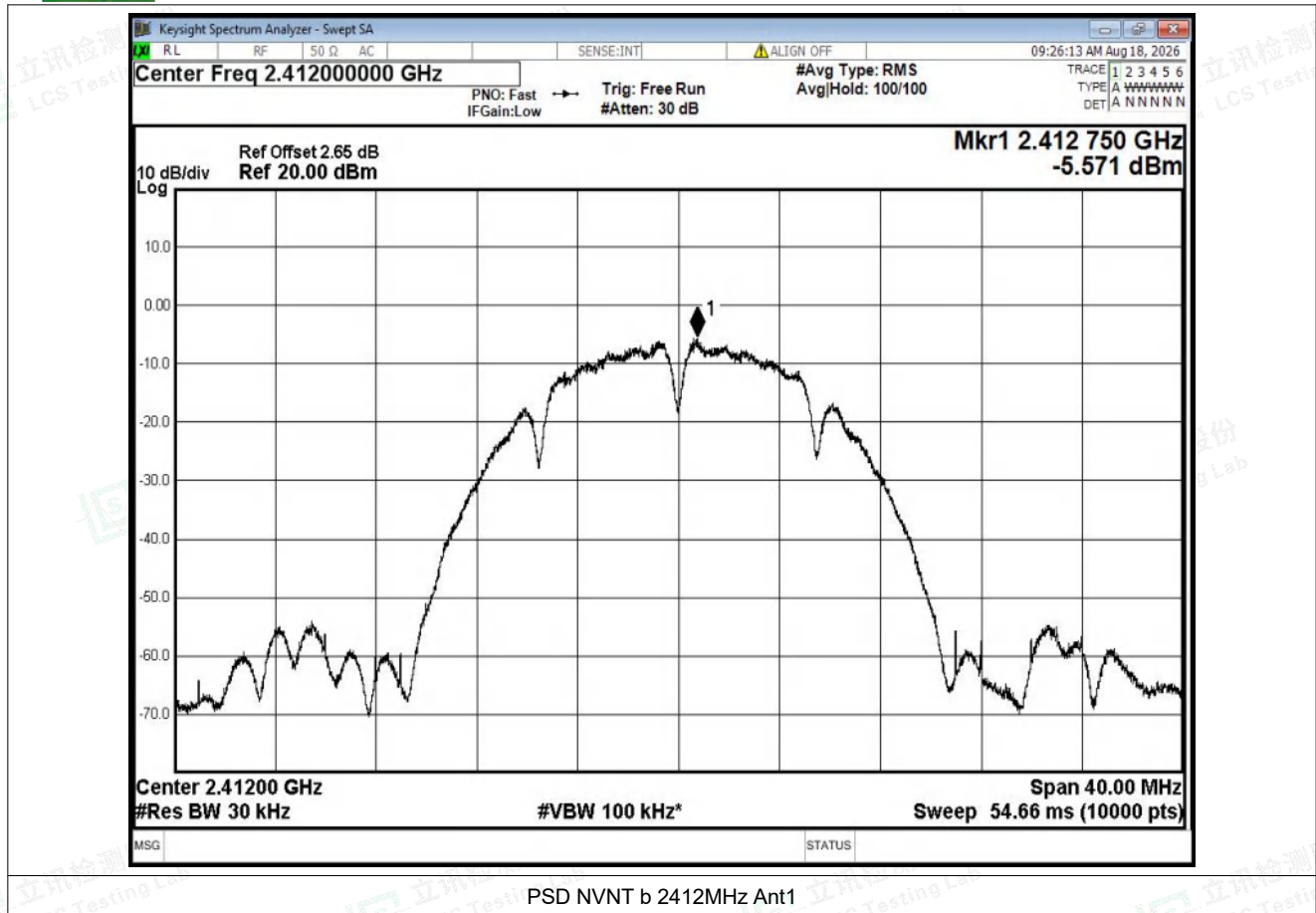
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	b	2412	Ant1	16.96	0.04	17.0	30	Pass
NVNT	b	2437	Ant1	18.85	0.05	18.9	30	Pass
NVNT	b	2462	Ant1	16.45	0.03	16.48	30	Pass
NVNT	g	2412	Ant1	14.13	0.29	14.42	30	Pass
NVNT	g	2437	Ant1	14.85	0.32	15.17	30	Pass
NVNT	g	2462	Ant1	14.85	0.26	15.11	30	Pass
NVNT	n20	2412	Ant1	14.06	0.38	14.44	30	Pass
NVNT	n20	2437	Ant1	14.75	0.25	15	30	Pass
NVNT	n20	2462	Ant1	14.22	0.34	14.56	30	Pass
NVNT	n40	2422	Ant1	13.11	0.36	13.47	30	Pass
NVNT	n40	2437	Ant1	16.63	0.36	16.99	30	Pass
NVNT	n40	2452	Ant1	13.14	0.62	13.76	30	Pass
NVNT	ax20	2412	Ant1	11.86	0.5	12.36	30	Pass
NVNT	ax20	2437	Ant1	12.71	0.23	12.94	30	Pass
NVNT	ax20	2462	Ant1	12.75	0.58	13.33	30	Pass
NVNT	ax40	2422	Ant1	11.2	0.74	11.94	30	Pass
NVNT	ax40	2437	Ant1	11.81	0.84	12.65	30	Pass
NVNT	ax40	2452	Ant1	11.32	0.73	12.05	30	Pass

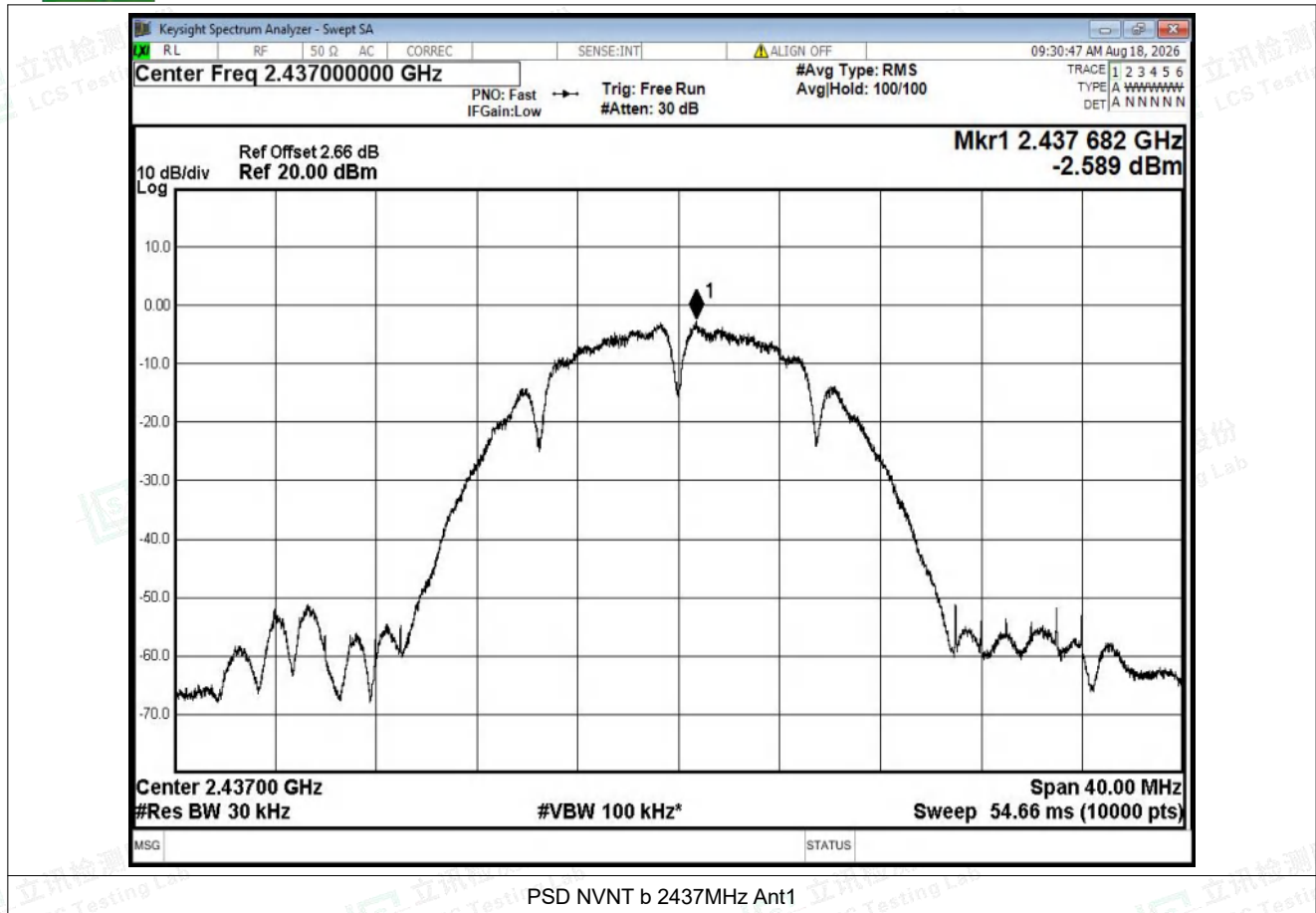


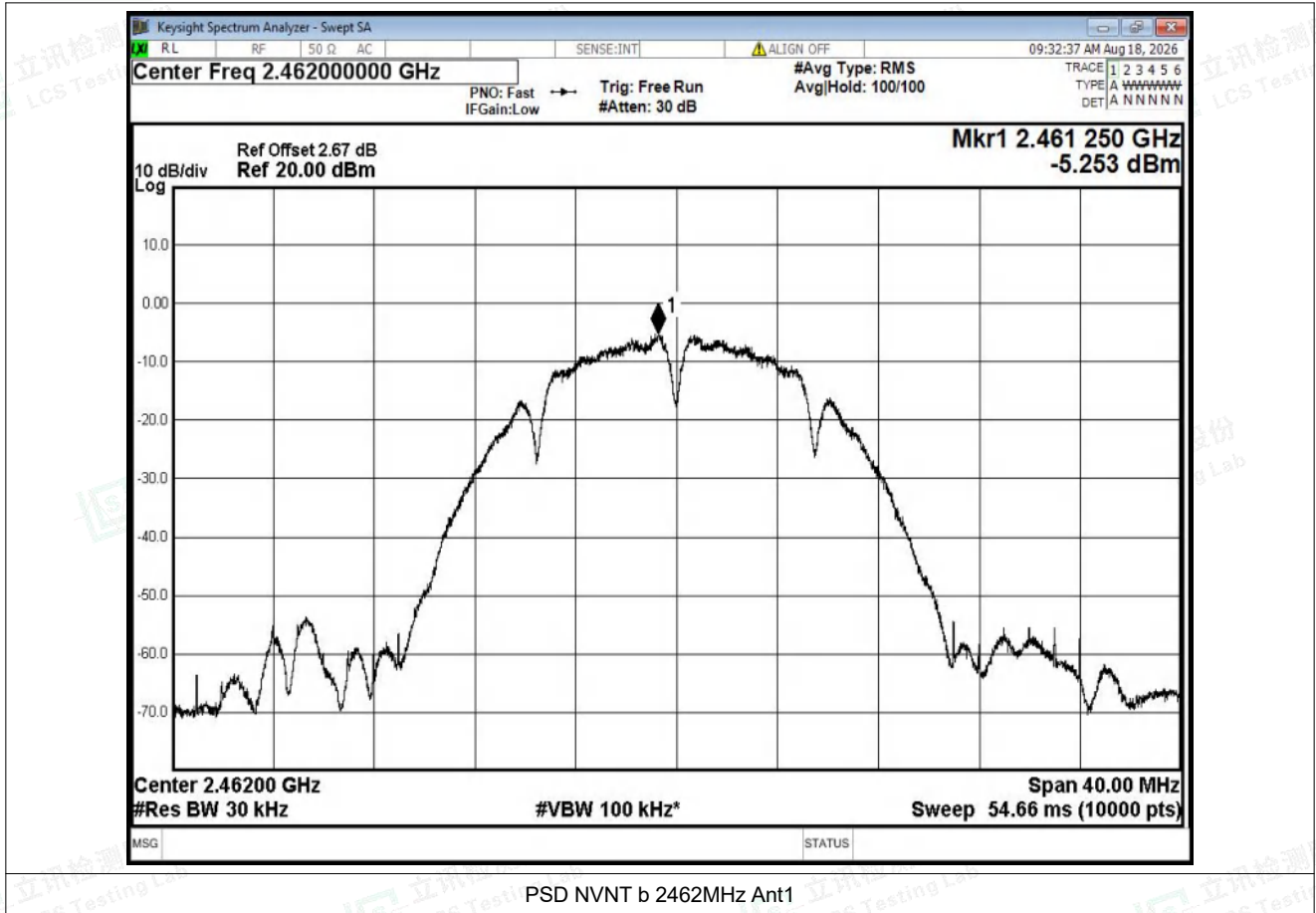
C.3 Maximum Power Spectral Density Level

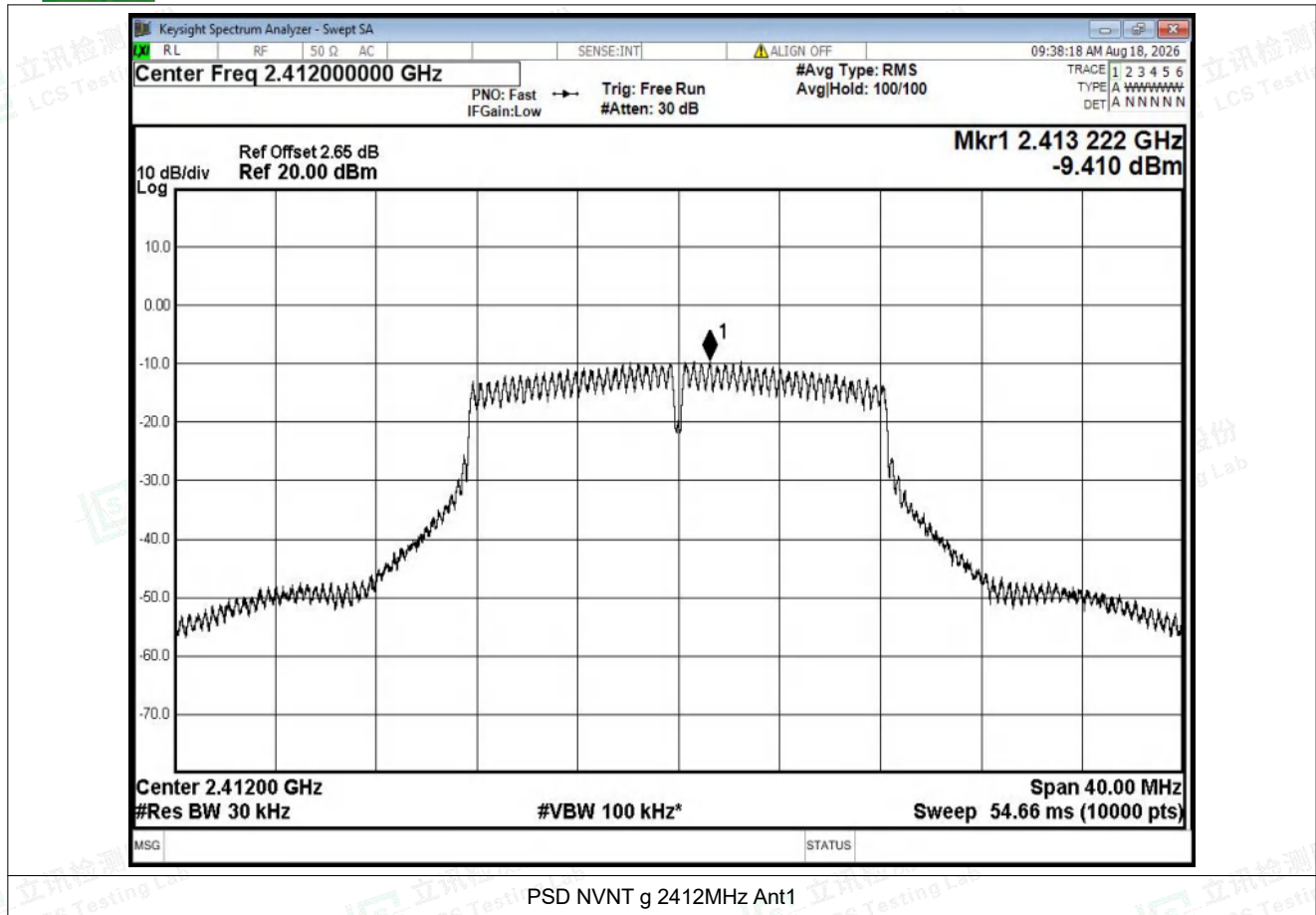
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/30kHz)	Duty Factor (dB)	Total PSD (dBm/30kHz)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-5.57	0.04	-5.53	-15.53	8	Pass
NVNT	b	2437	Ant1	-2.59	0.05	-2.54	-12.54	8	Pass
NVNT	b	2462	Ant1	-5.25	0.03	-5.22	-15.22	8	Pass
NVNT	g	2412	Ant1	-9.41	0.29	-9.12	-19.12	8	Pass
NVNT	g	2437	Ant1	-8.55	0.32	-8.23	-18.23	8	Pass
NVNT	g	2462	Ant1	-8.56	0.26	-8.3	-18.30	8	Pass
NVNT	n20	2412	Ant1	-9.91	0.38	-9.53	-19.53	8	Pass
NVNT	n20	2437	Ant1	-9.09	0.25	-8.84	-18.84	8	Pass
NVNT	n20	2462	Ant1	-9.26	0.34	-8.92	-18.92	8	Pass
NVNT	n40	2422	Ant1	-13.45	0.36	-13.09	-23.09	8	Pass
NVNT	n40	2437	Ant1	-10.07	0.36	-9.71	-19.71	8	Pass
NVNT	n40	2452	Ant1	-12.83	0.62	-12.21	-22.21	8	Pass
NVNT	ax20	2412	Ant1	-12.84	0.5	-12.34	-22.34	8	Pass
NVNT	ax20	2437	Ant1	-12.51	0.23	-12.28	-22.28	8	Pass
NVNT	ax20	2462	Ant1	-12.2	0.58	-11.62	-21.62	8	Pass
NVNT	ax40	2422	Ant1	-15.93	0.74	-15.19	-25.19	8	Pass
NVNT	ax40	2437	Ant1	-16.12	0.84	-15.28	-25.28	8	Pass
NVNT	ax40	2452	Ant1	-16.72	0.73	-15.99	-25.99	8	Pass

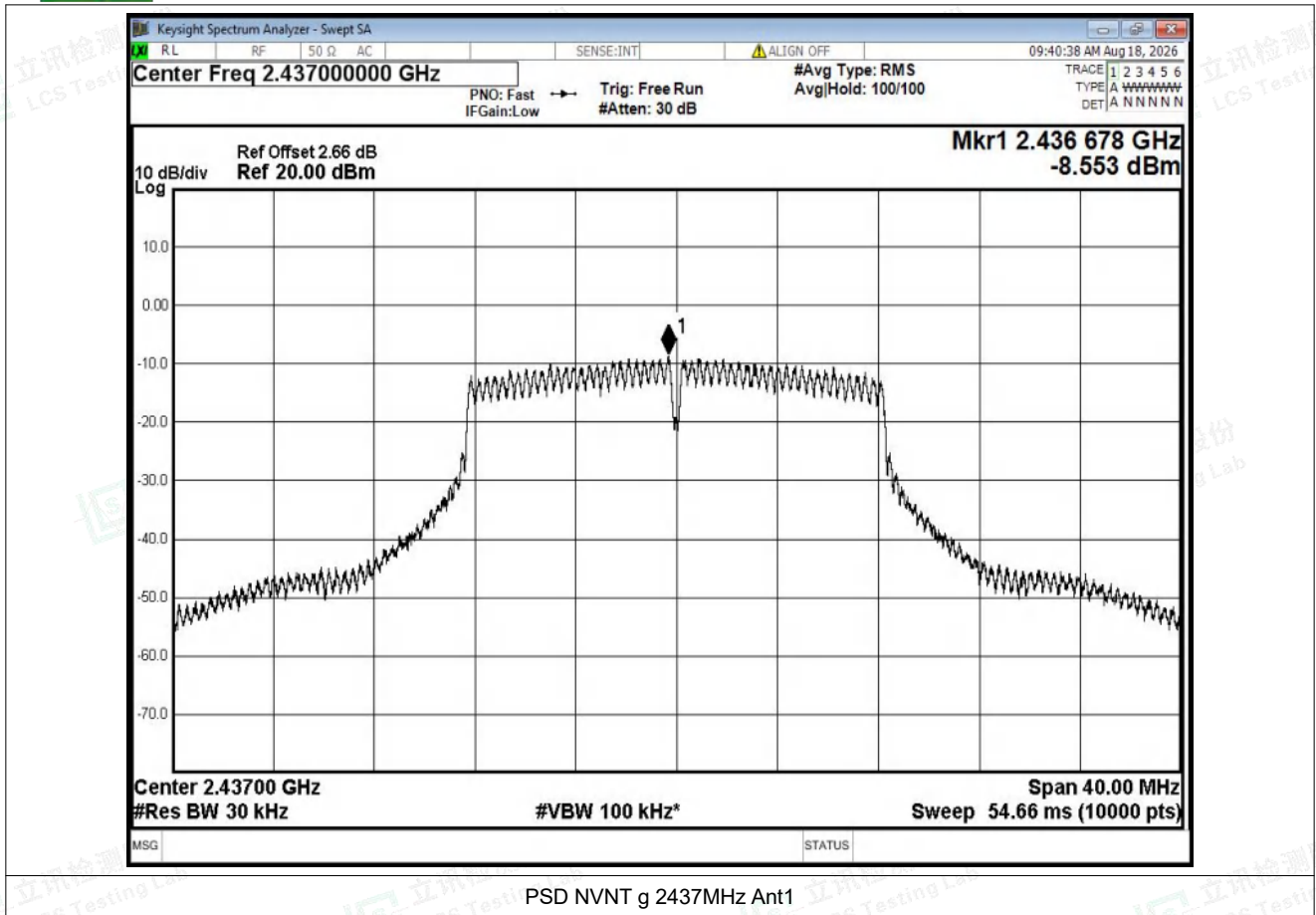
Note :Result[dBm/3kHz]=Result[dBm/30kHz]+10*Log(3/30)

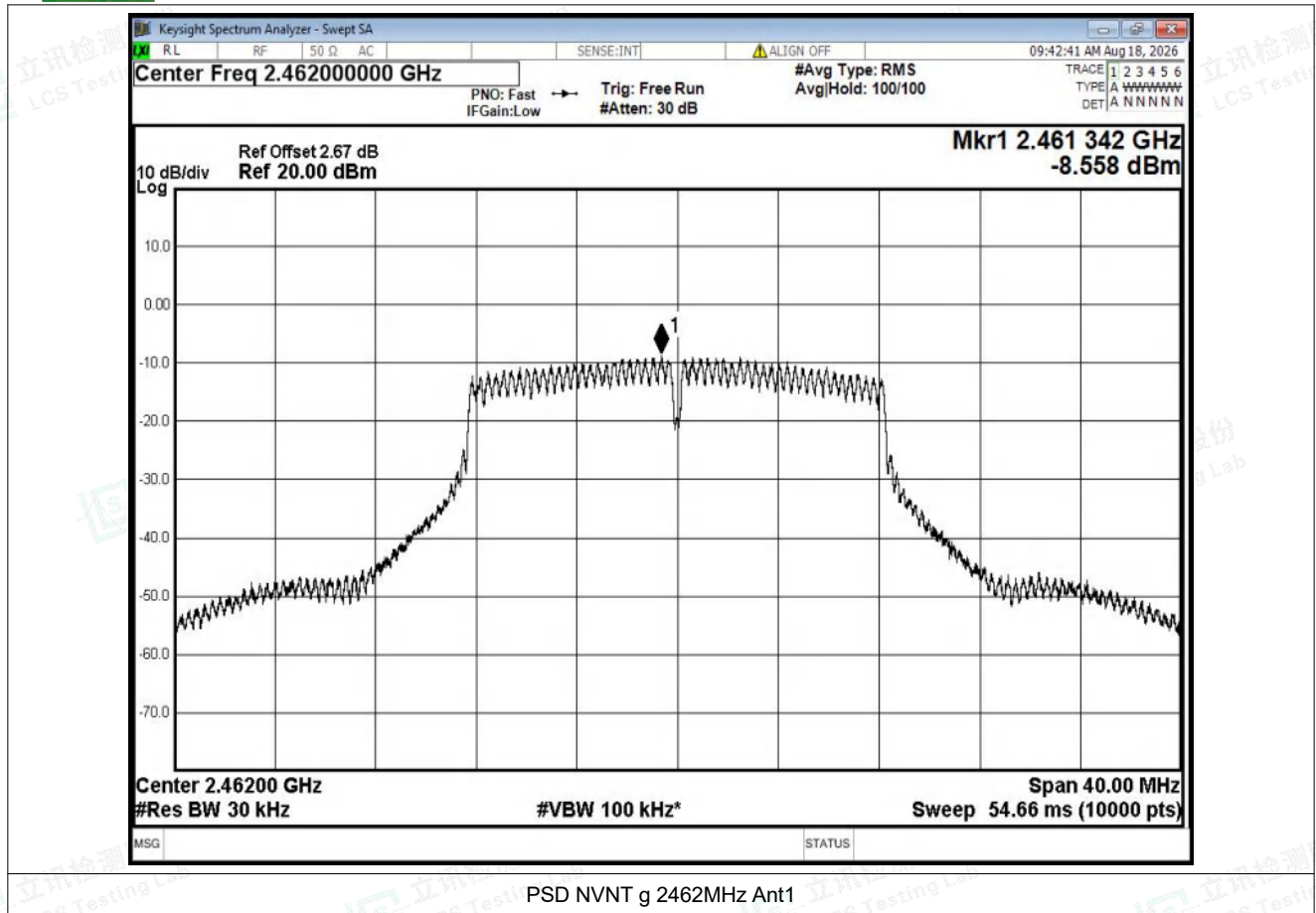


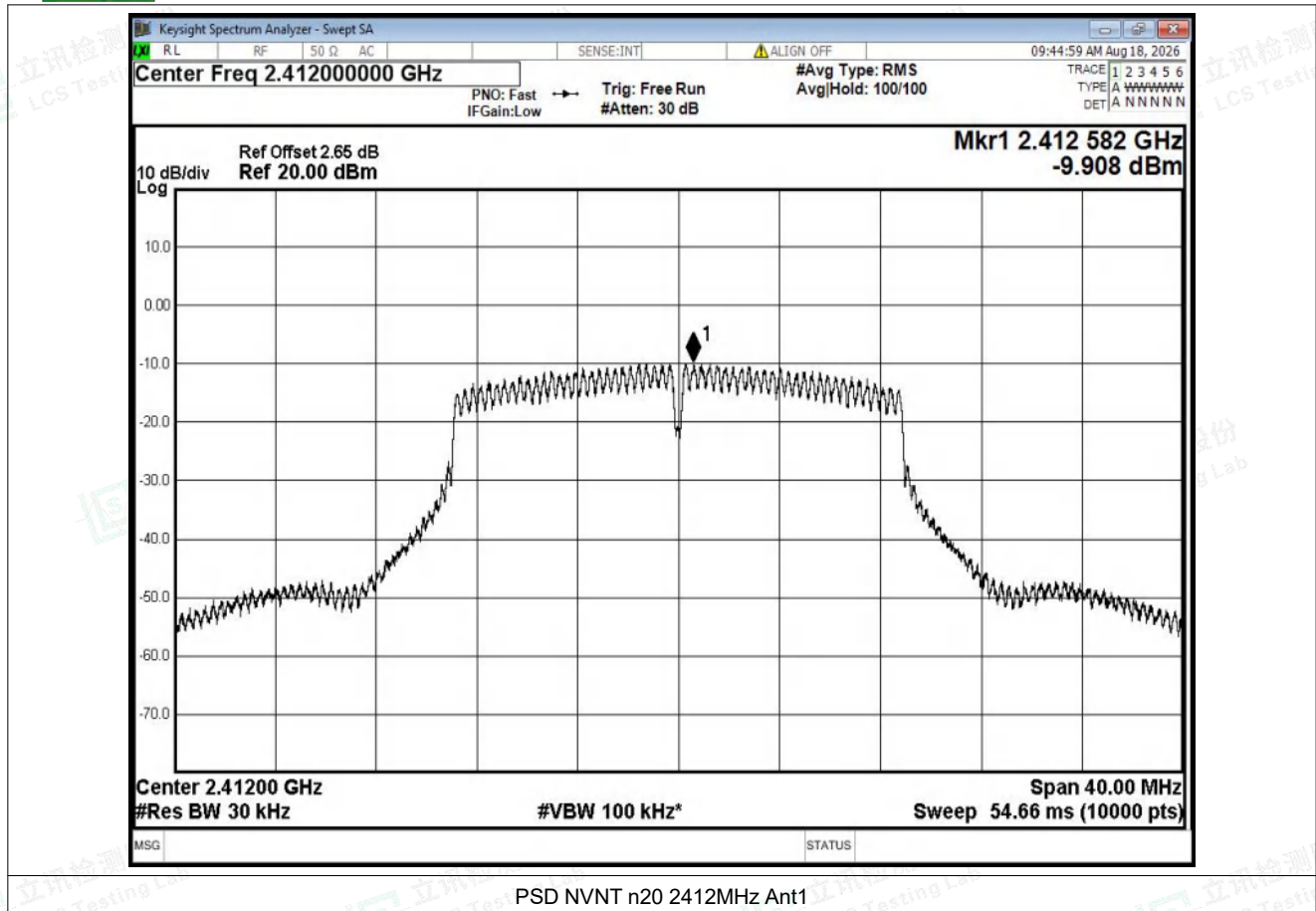


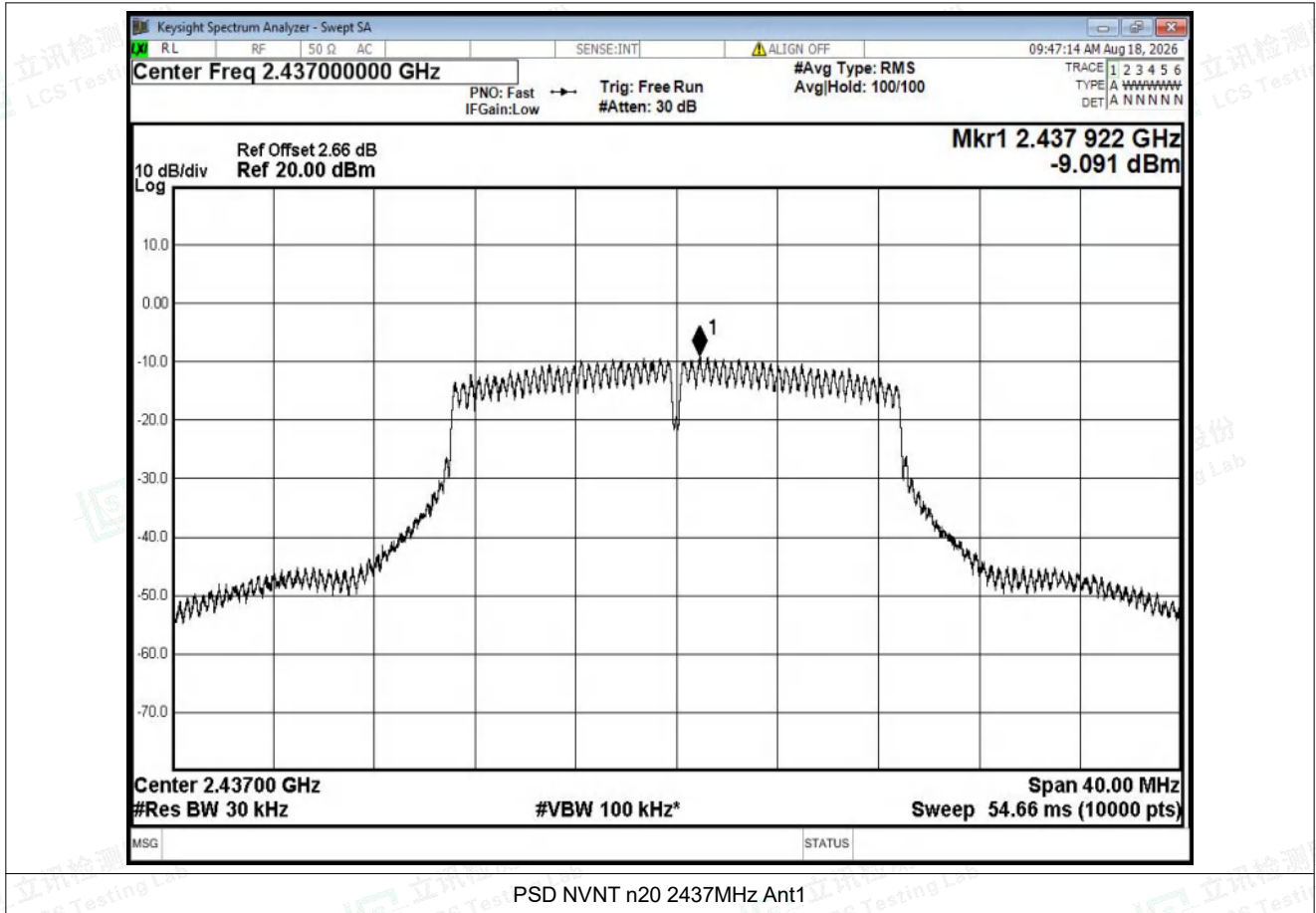


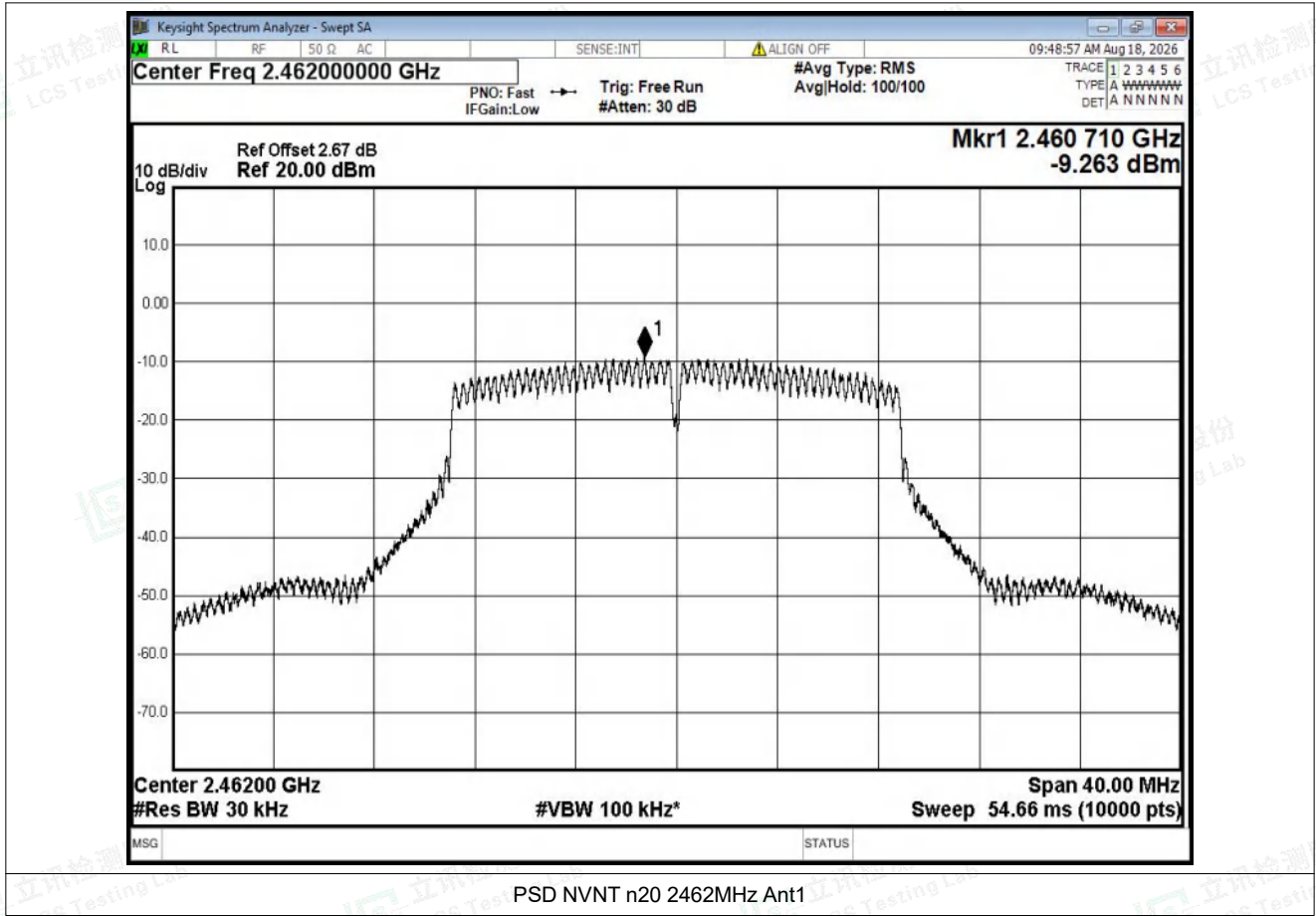


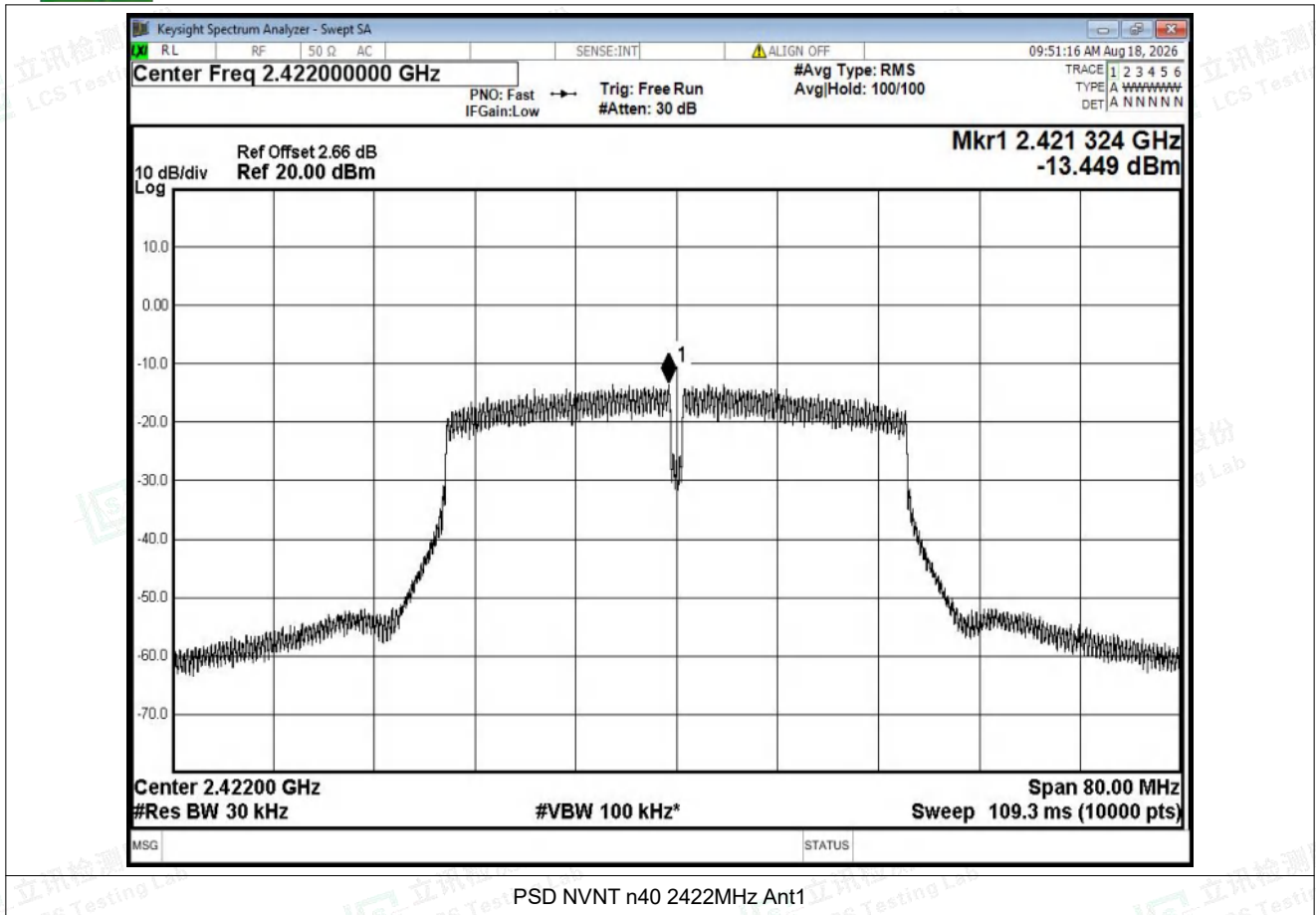


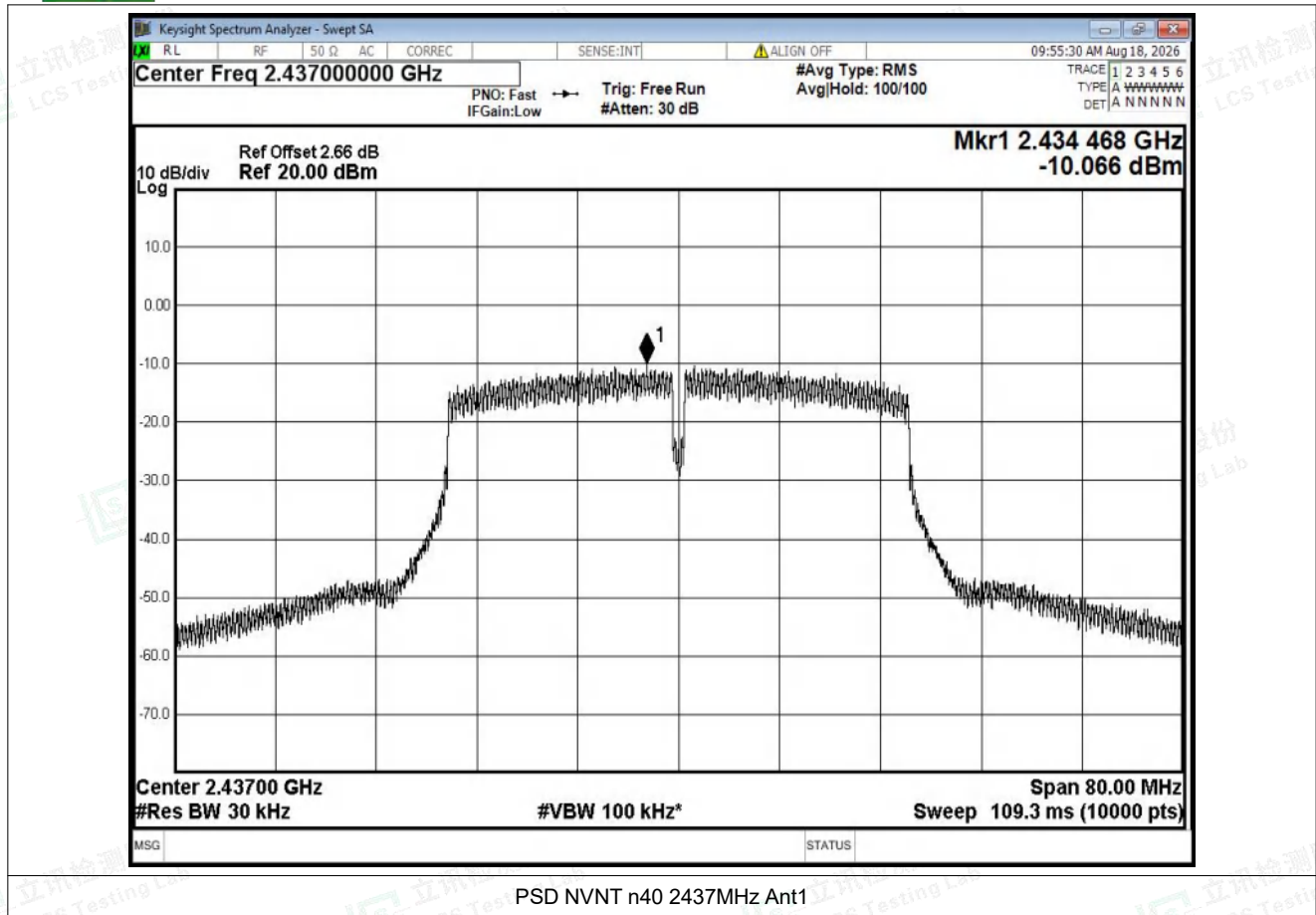


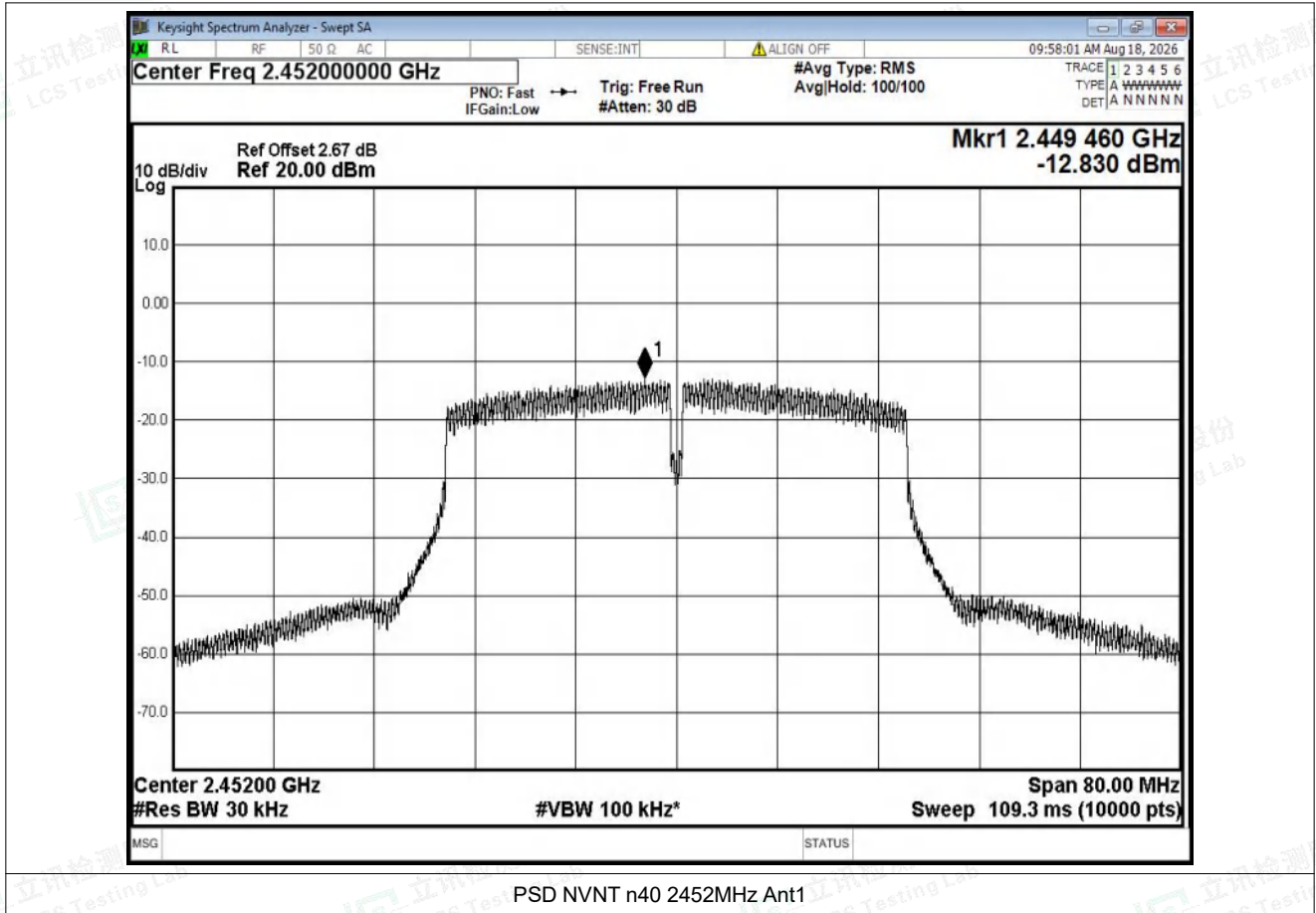


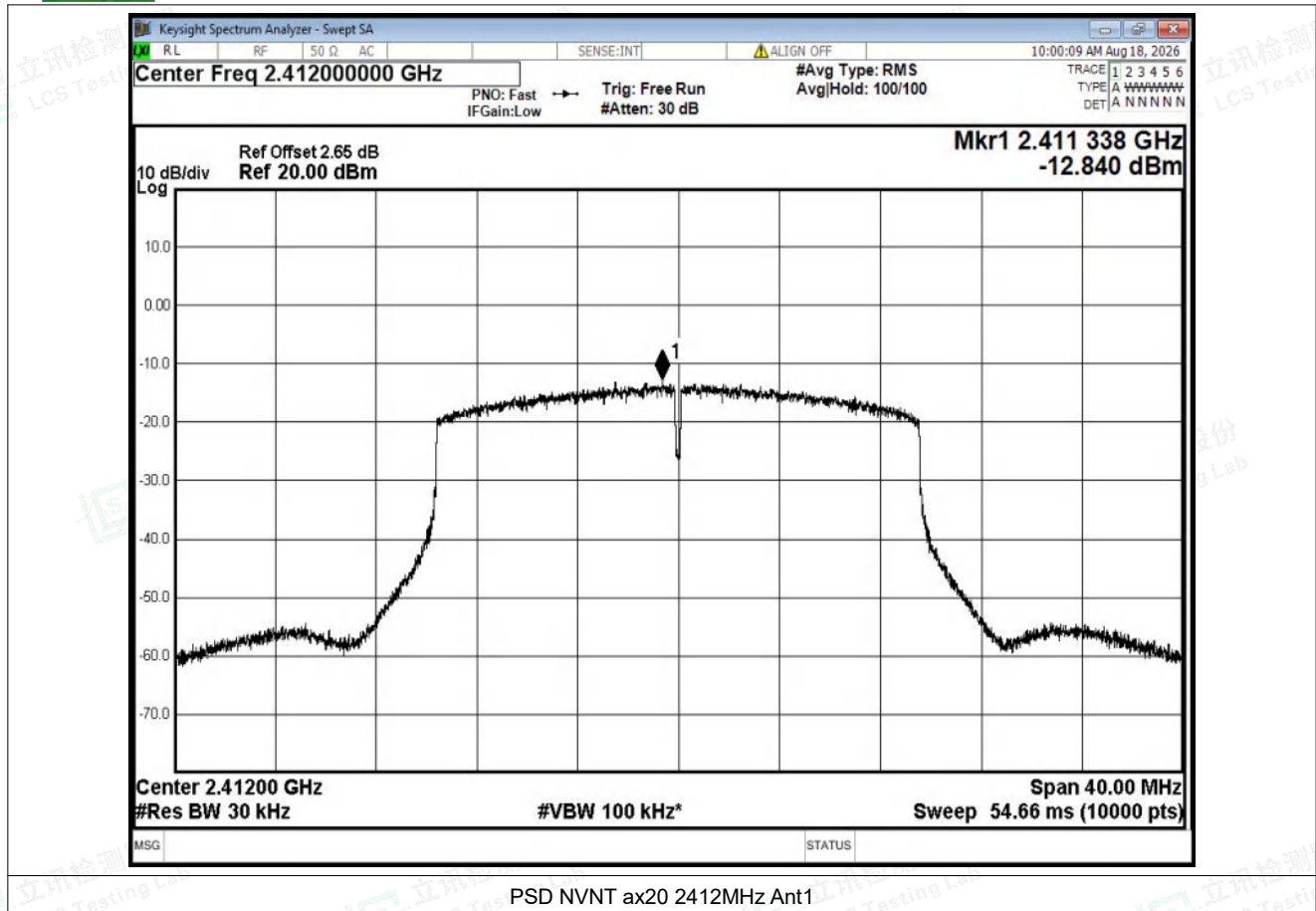


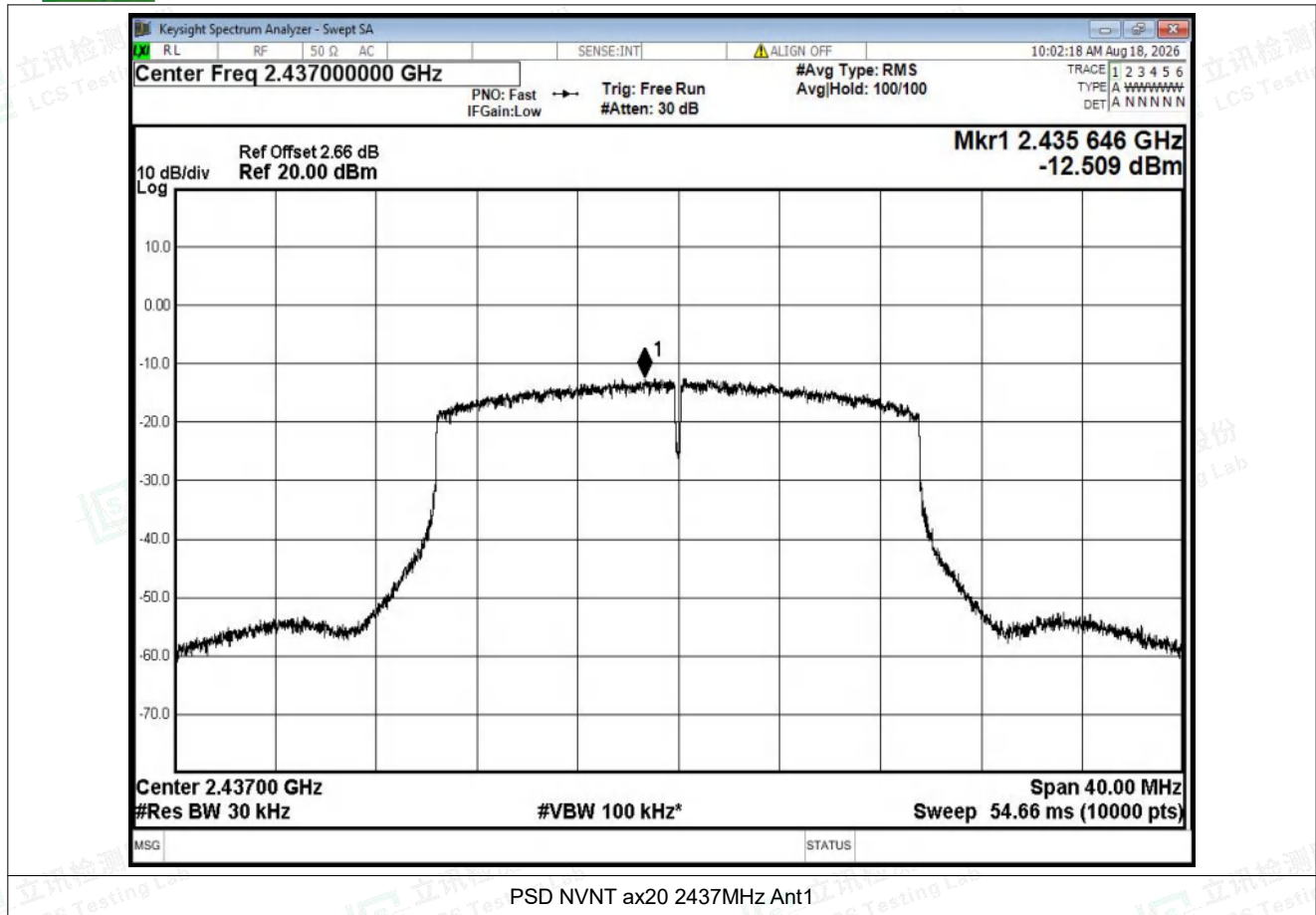


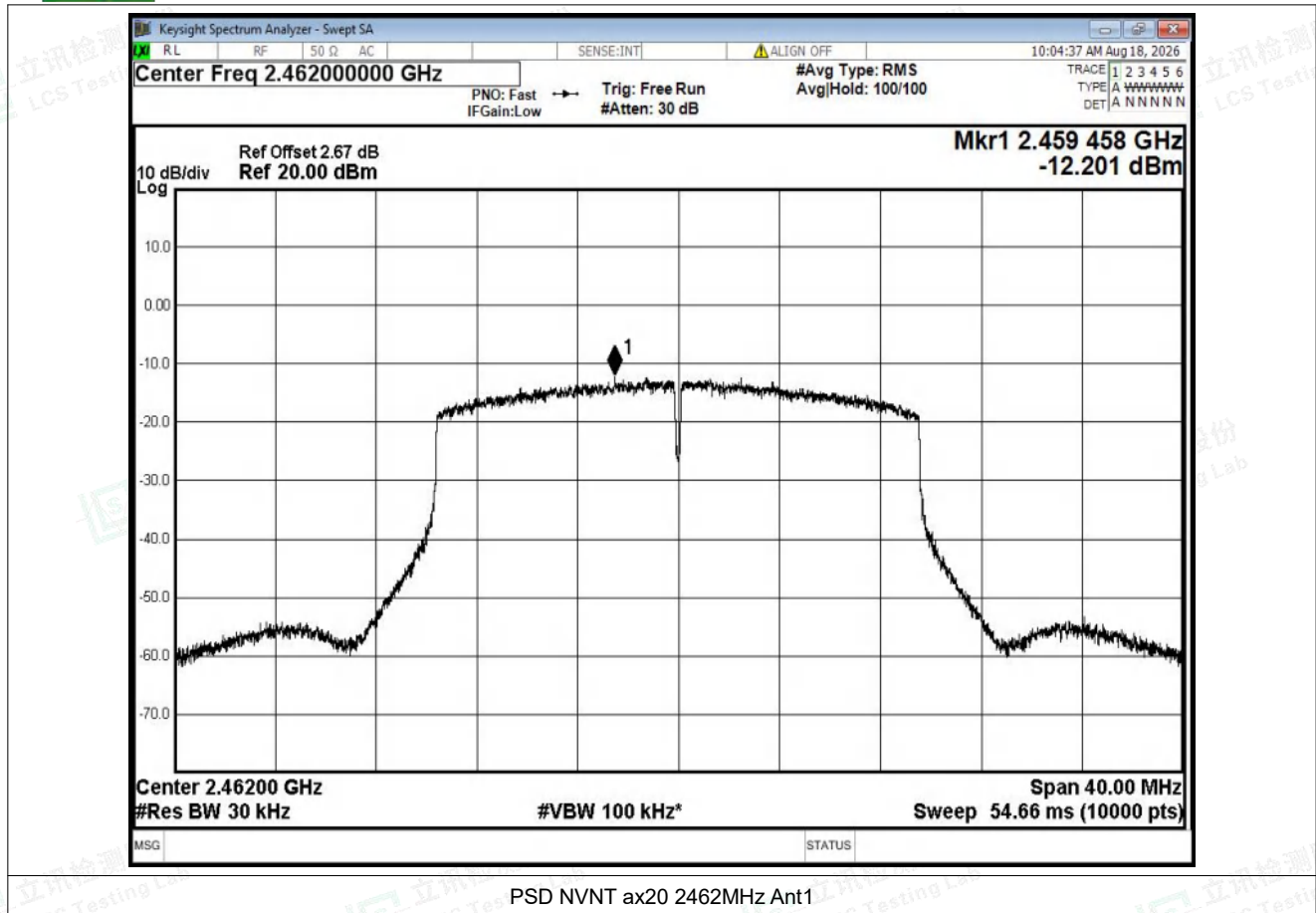


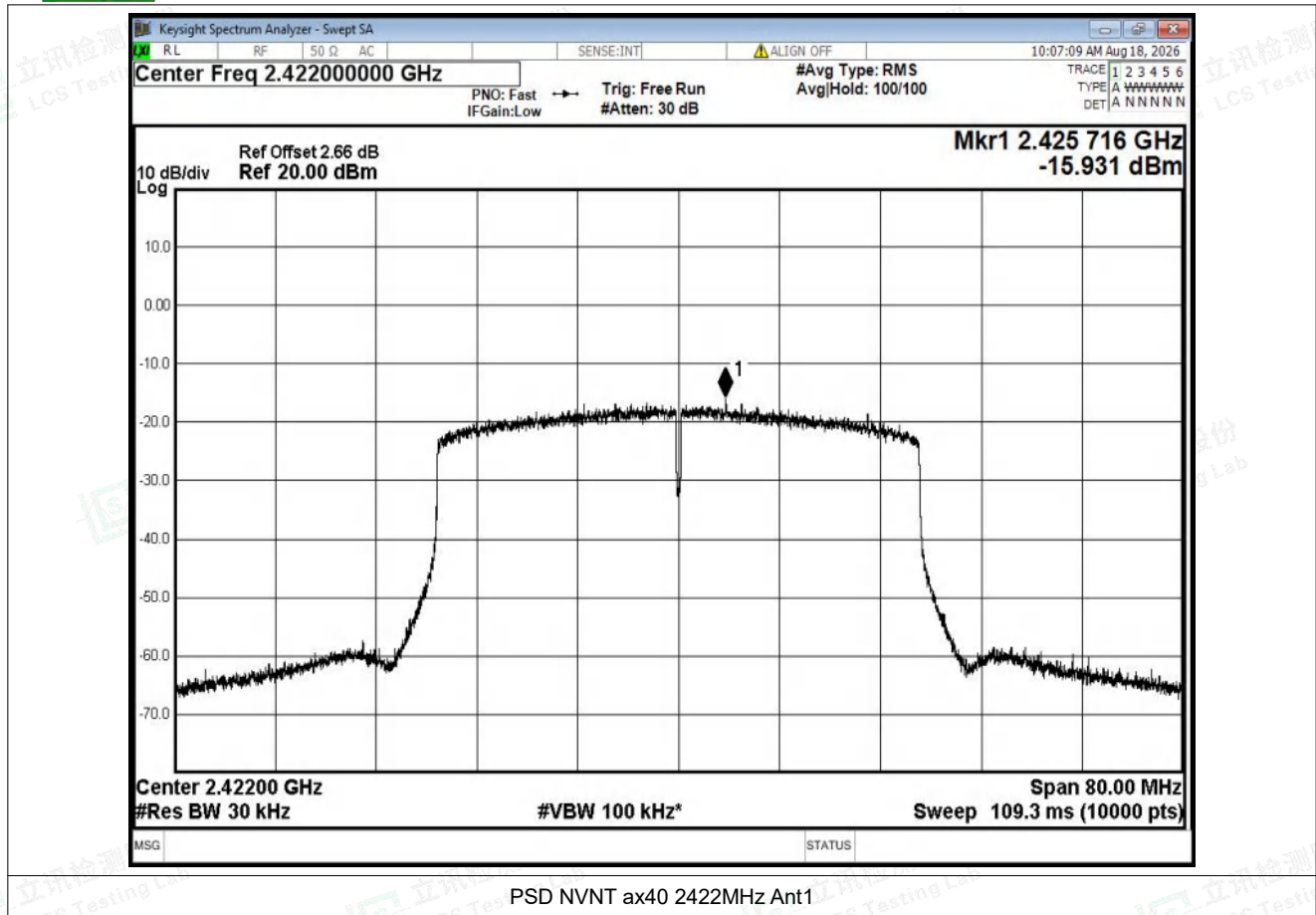


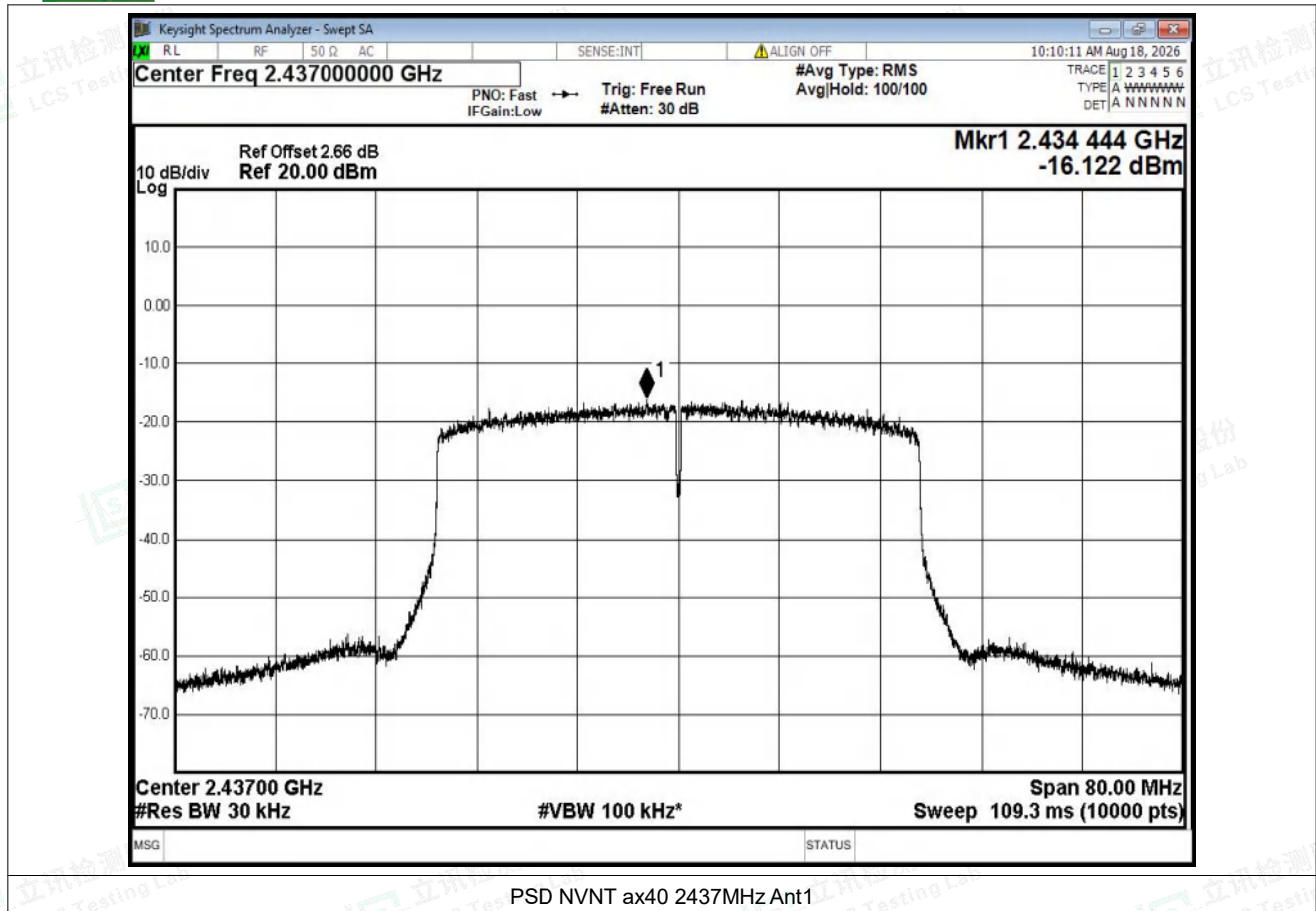


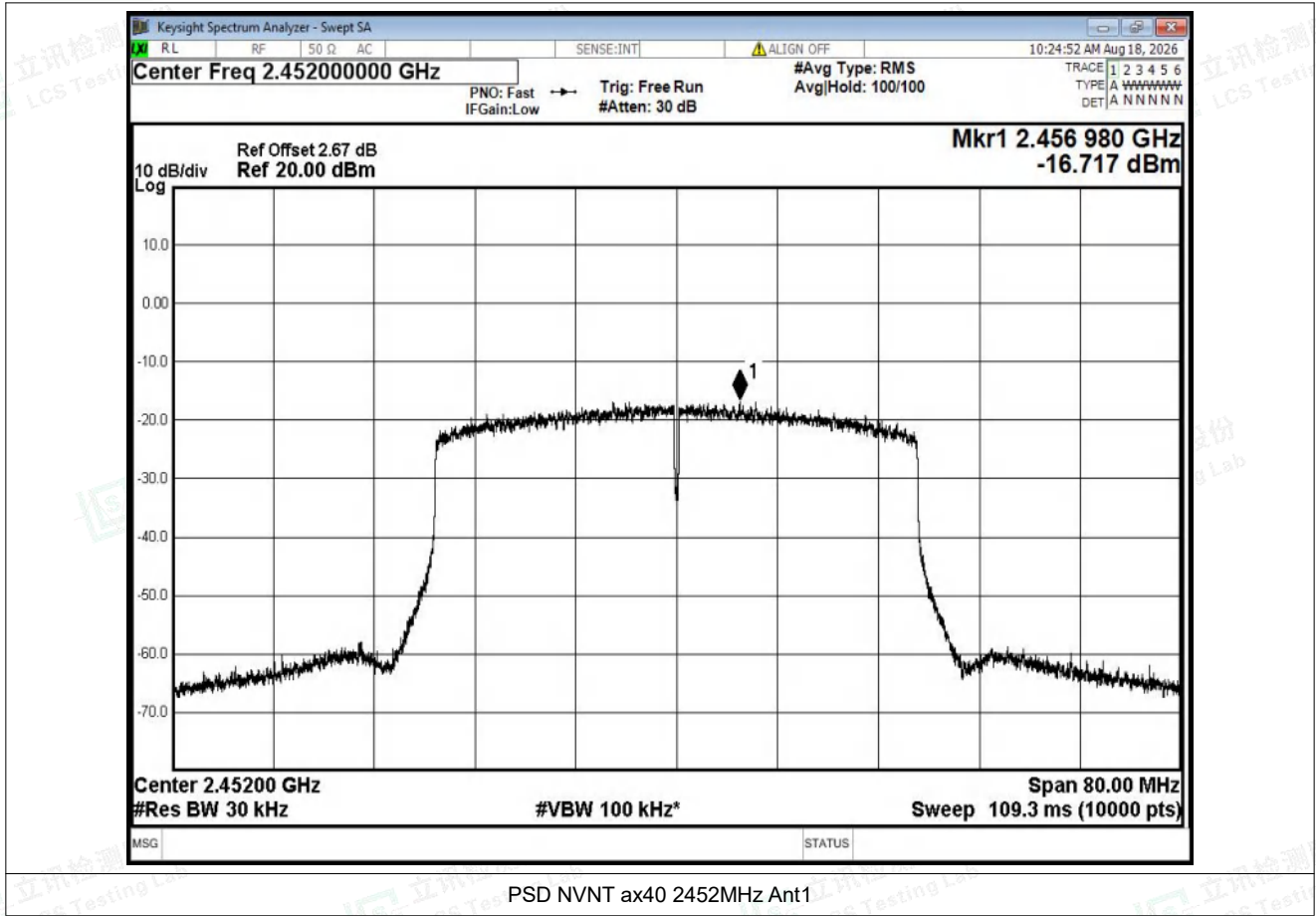








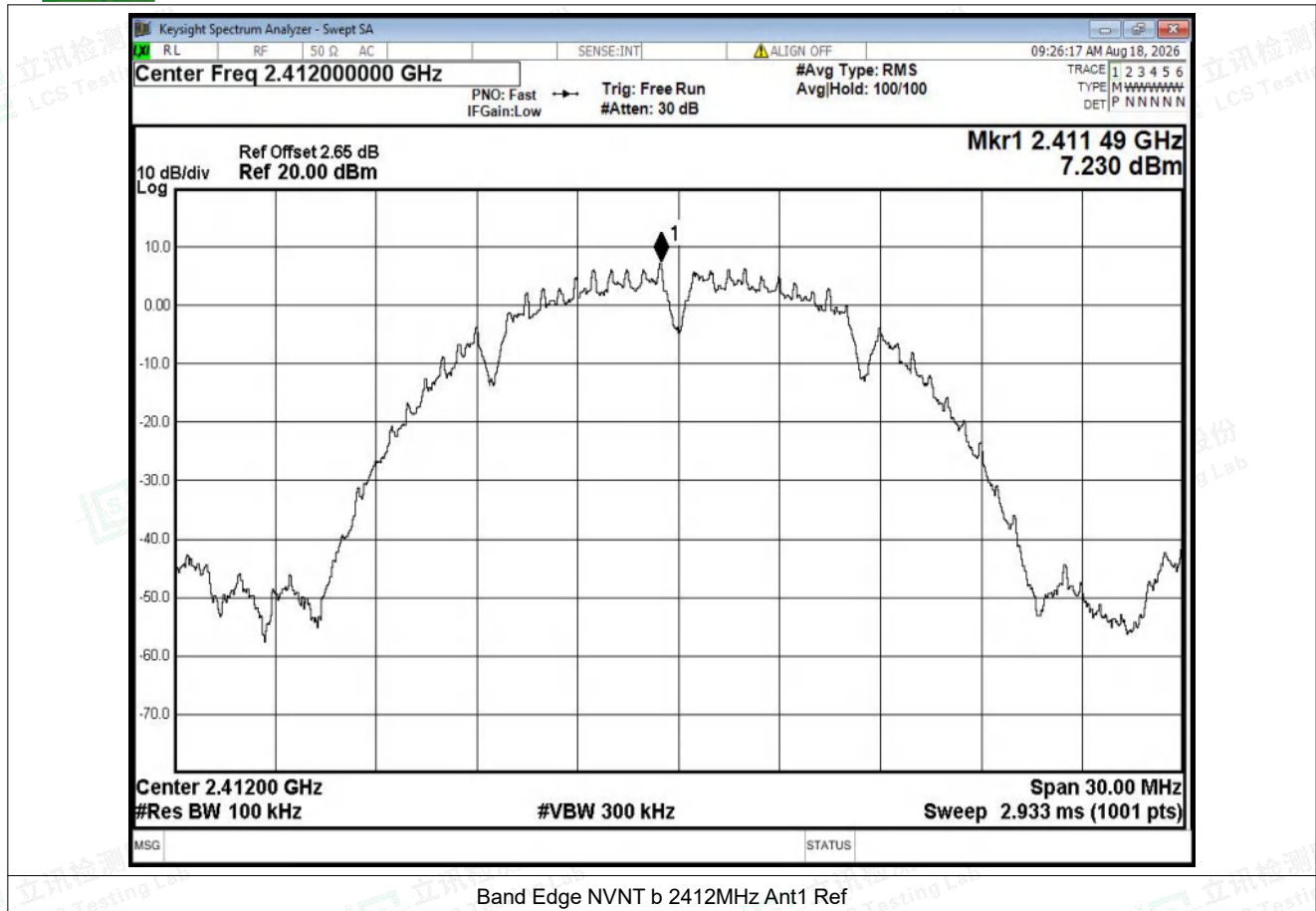


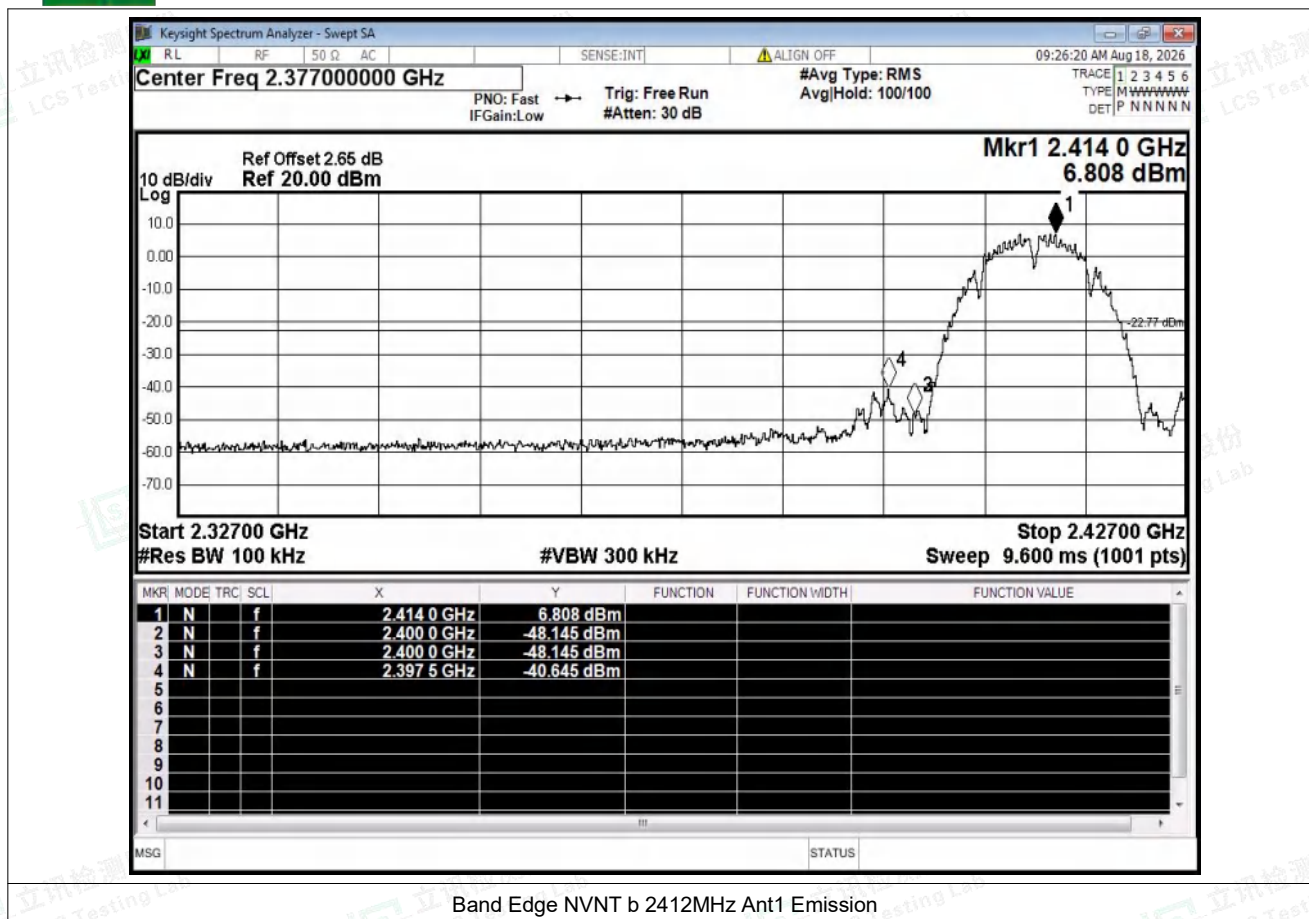


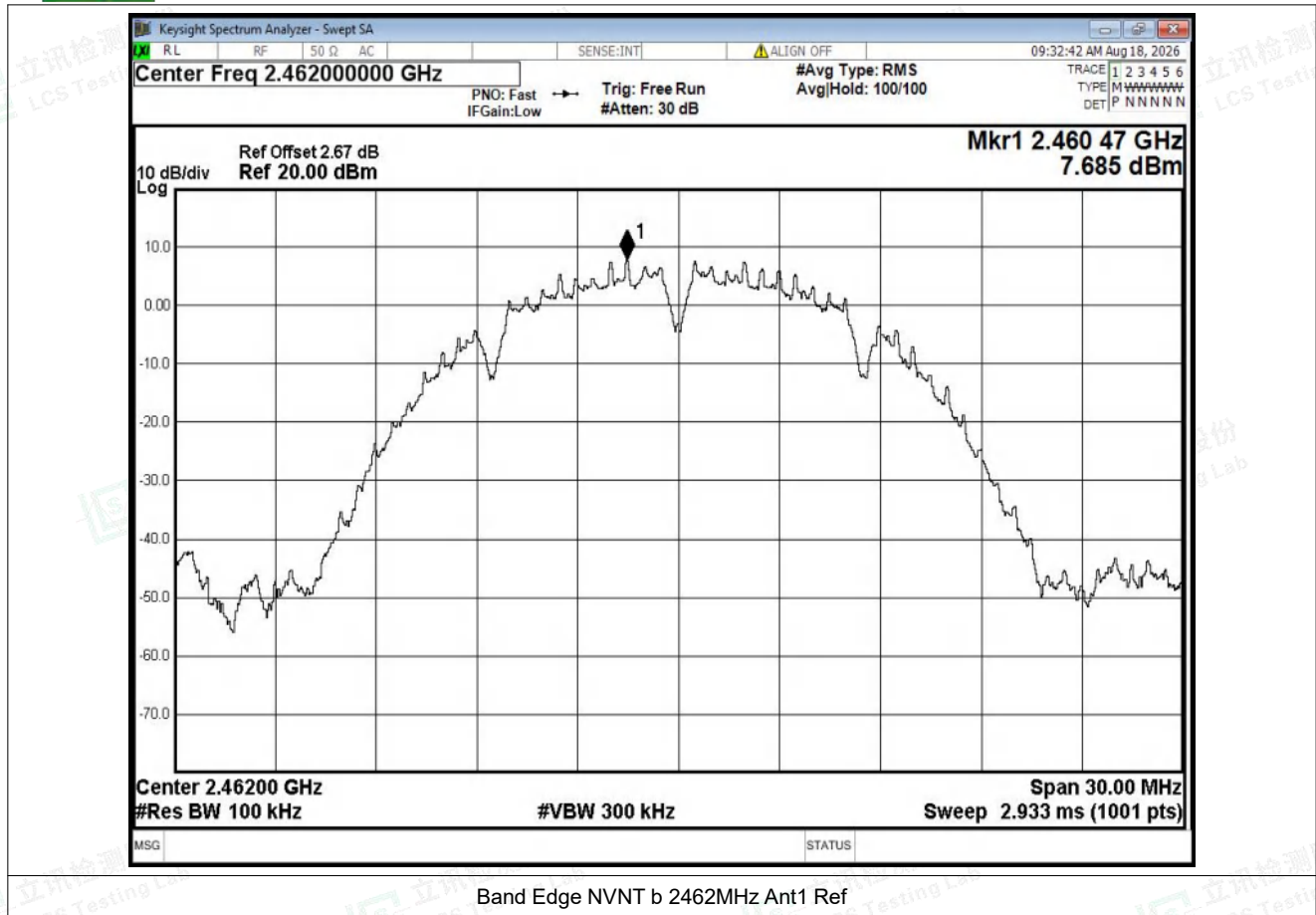


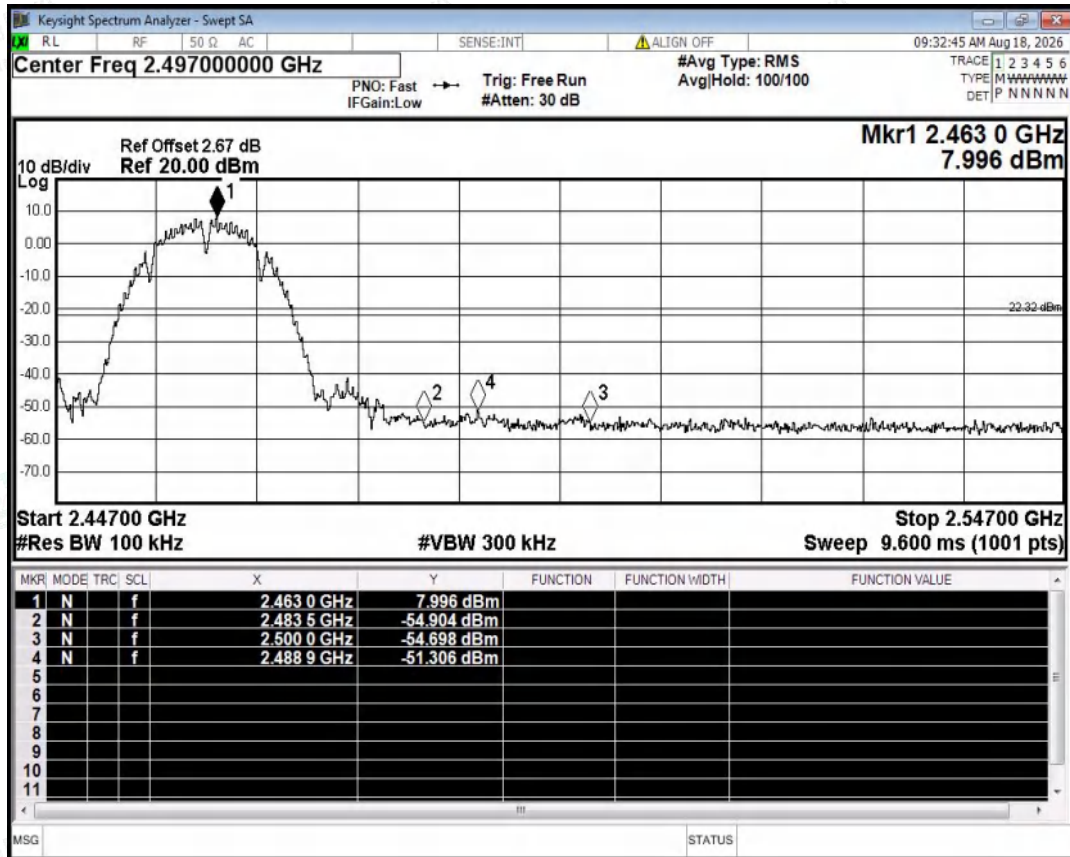
C.4 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-47.87	-30	Pass
NVNT	b	2462	Ant1	-58.99	-30	Pass
NVNT	g	2412	Ant1	-31.29	-30	Pass
NVNT	g	2462	Ant1	-45.49	-30	Pass
NVNT	n20	2412	Ant1	-31.94	-30	Pass
NVNT	n20	2462	Ant1	-44.28	-30	Pass
NVNT	n40	2422	Ant1	-36.41	-30	Pass
NVNT	n40	2452	Ant1	-38.15	-30	Pass
NVNT	ax20	2412	Ant1	-39.22	-30	Pass
NVNT	ax20	2462	Ant1	-44.9	-30	Pass
NVNT	ax40	2422	Ant1	-40.25	-30	Pass
NVNT	ax40	2452	Ant1	-44.07	-30	Pass

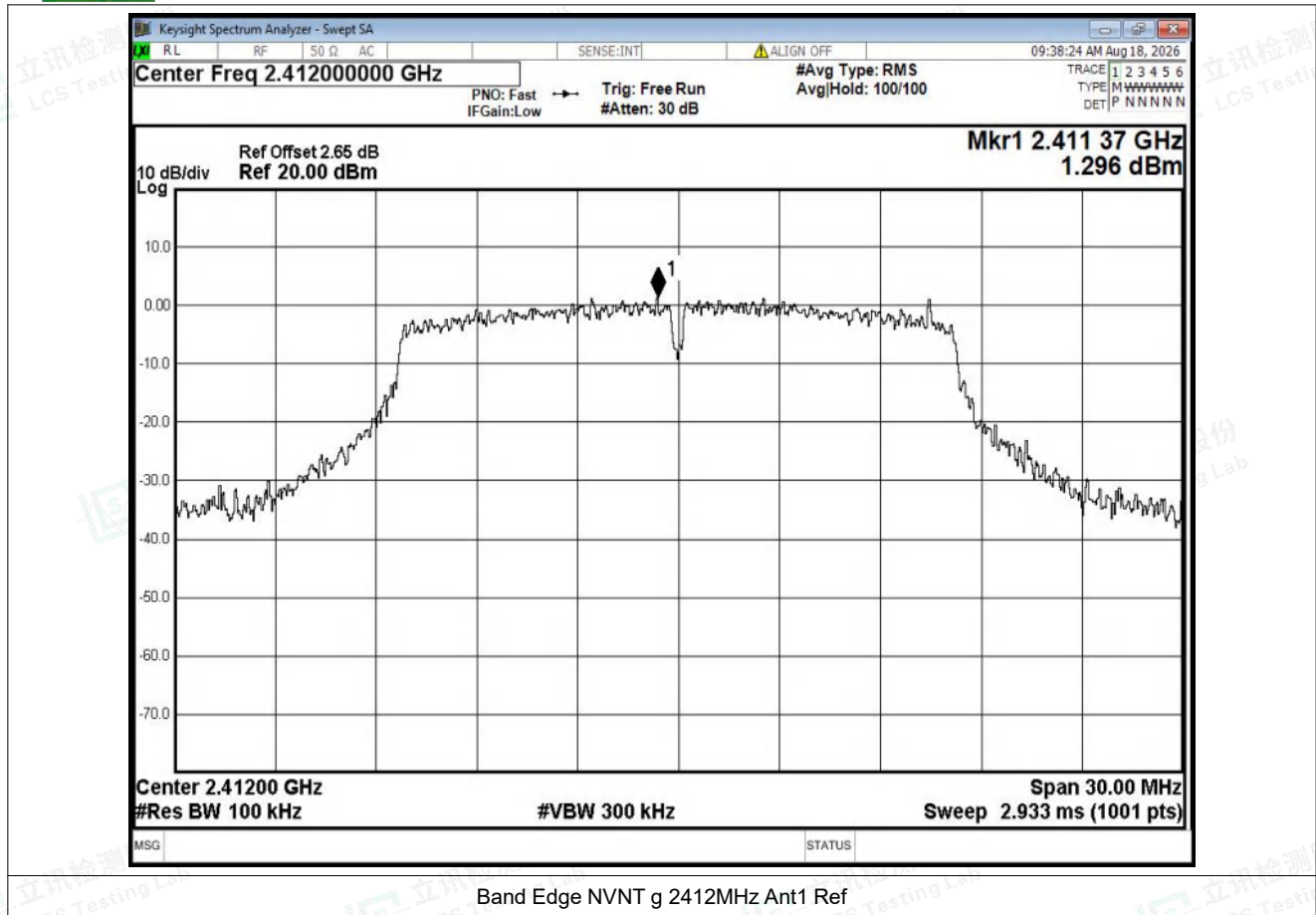


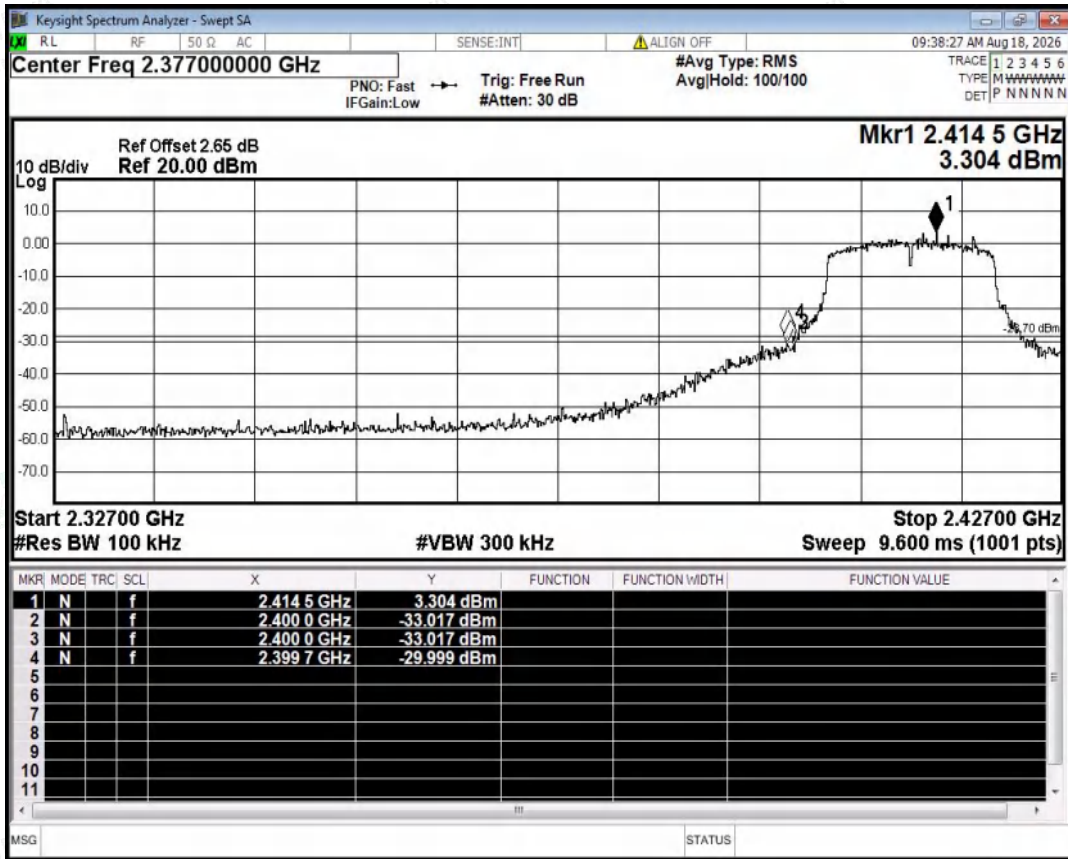




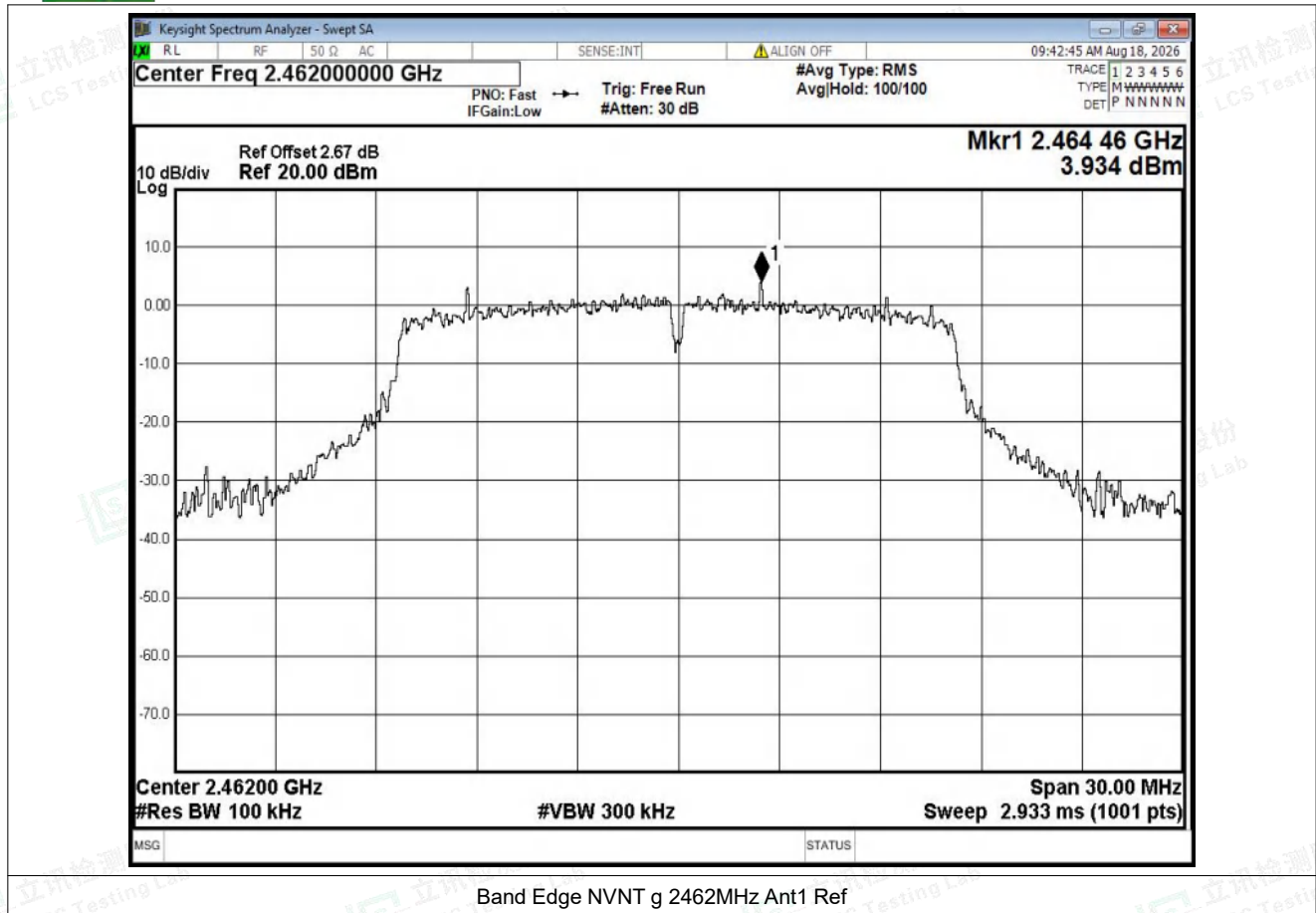


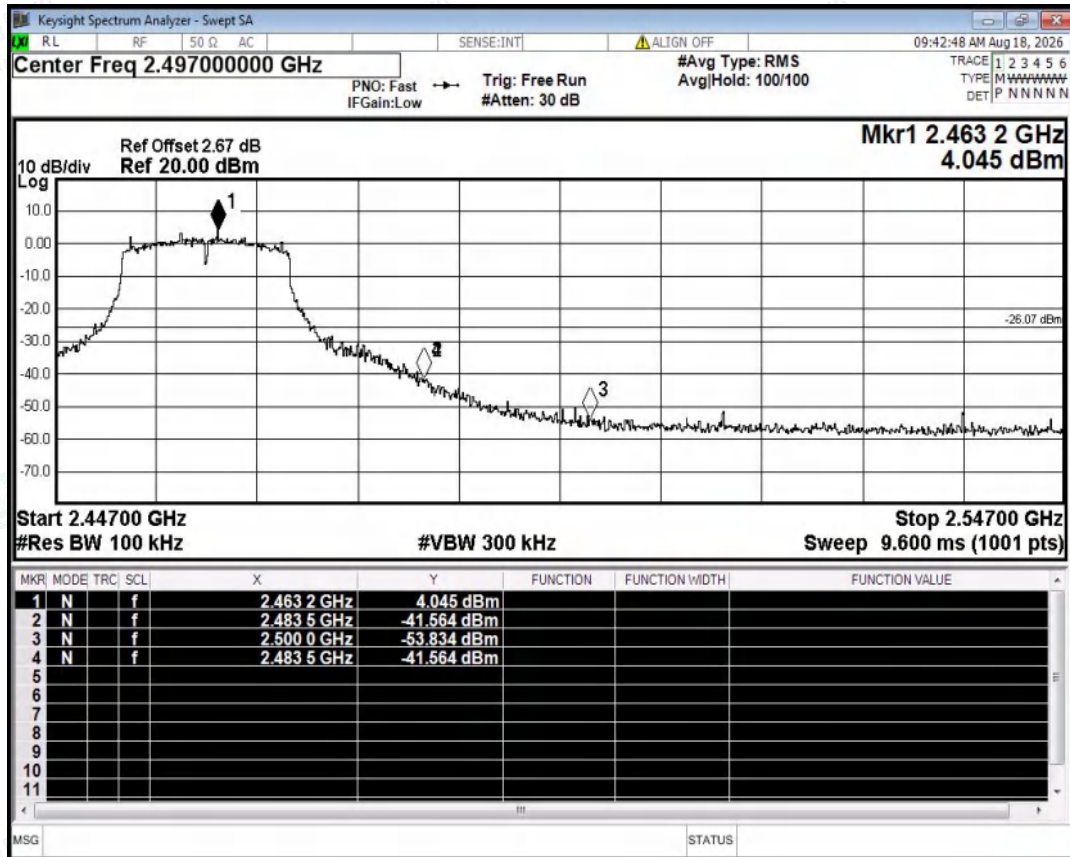
Band Edge NVNT b 2462MHz Ant1 Emission



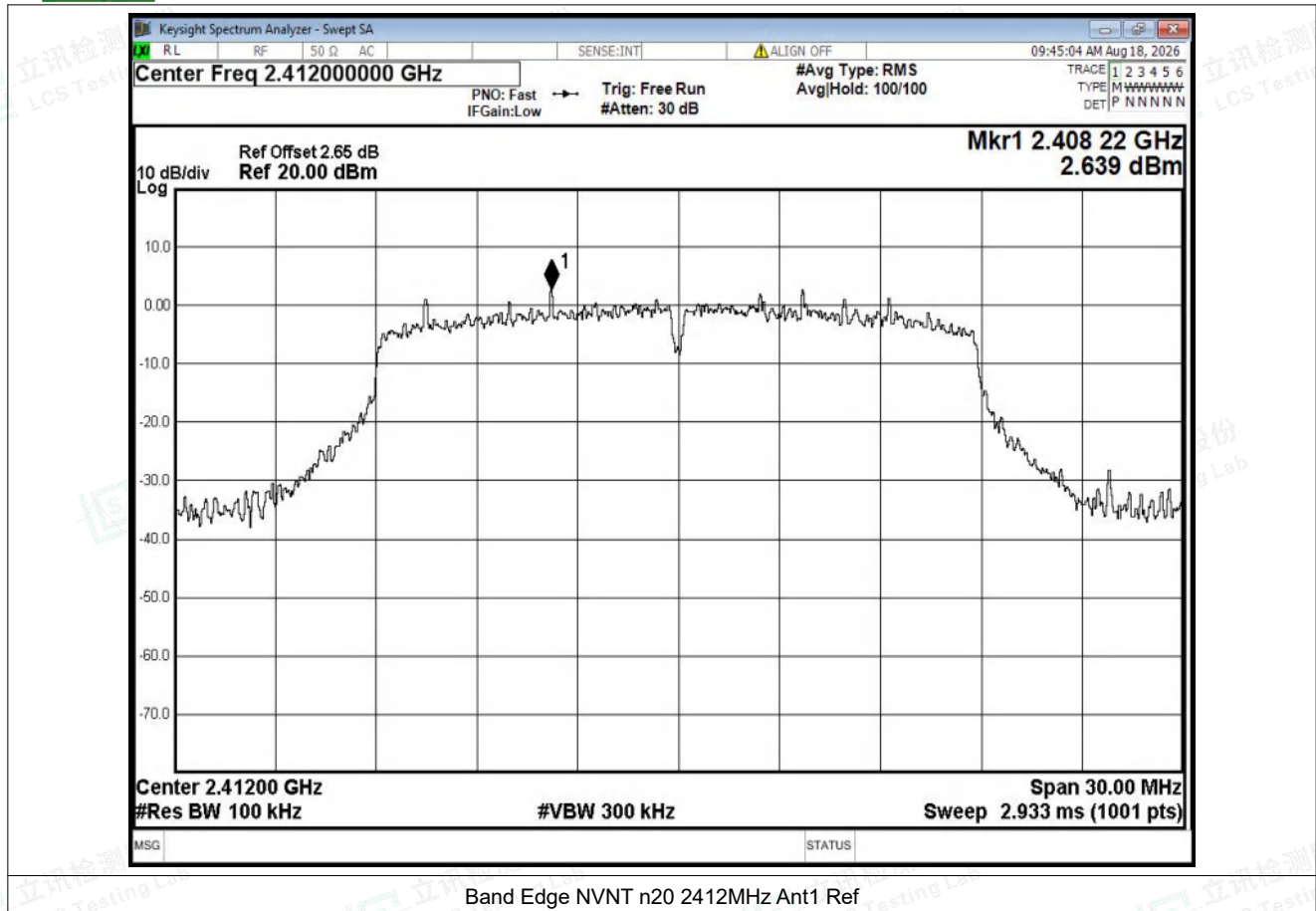


Band Edge NVNT g 2412MHz Ant1 Emission

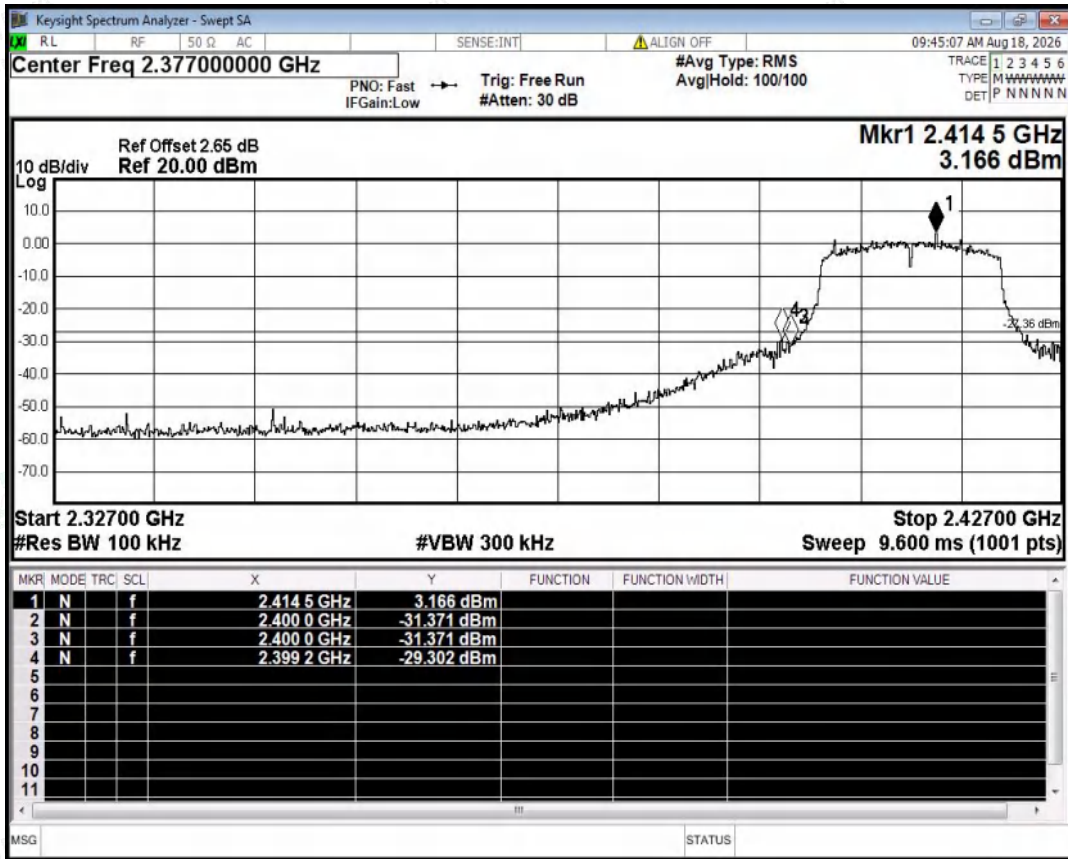




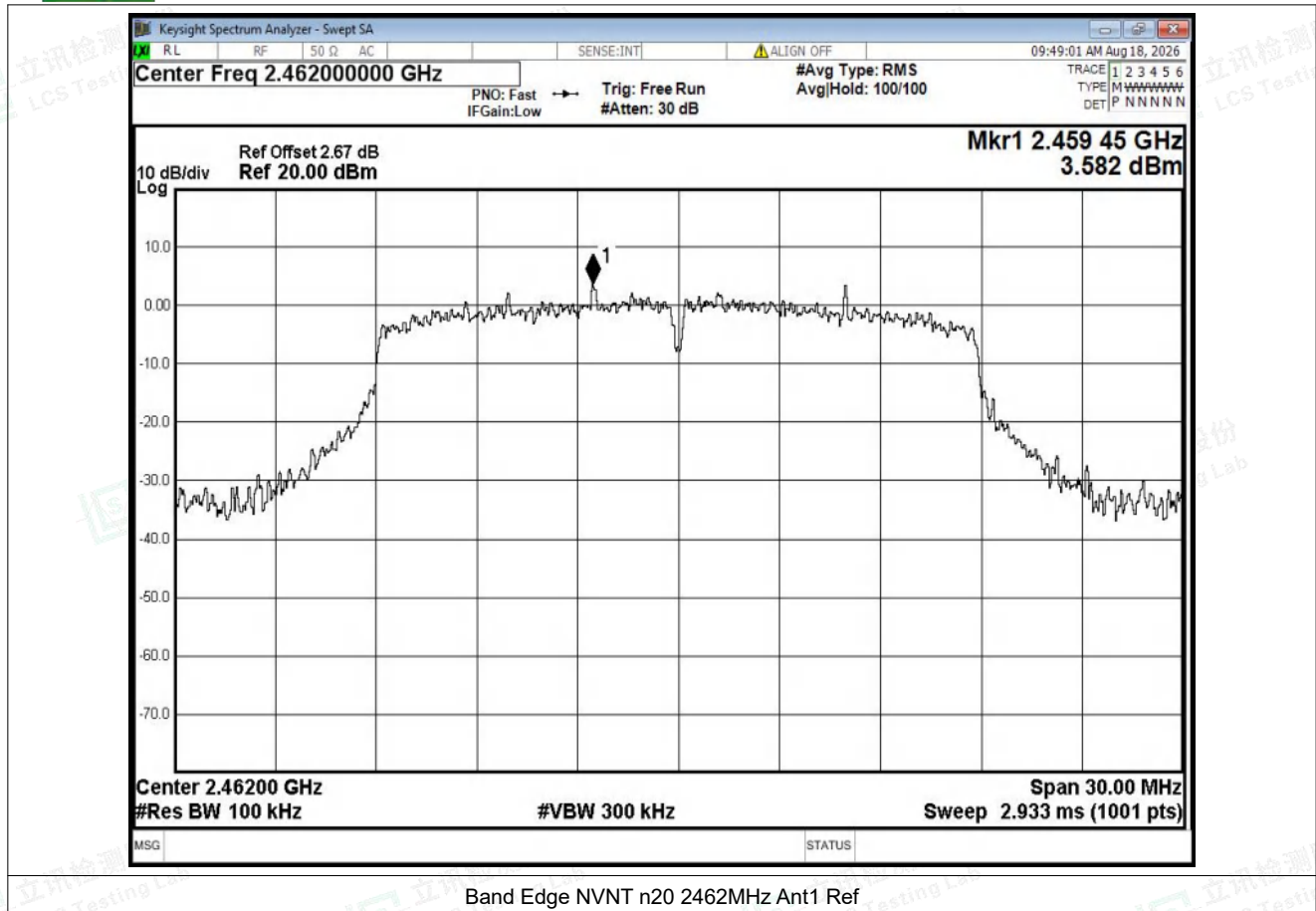
Band Edge NVNT g 2462MHz Ant1 Emission

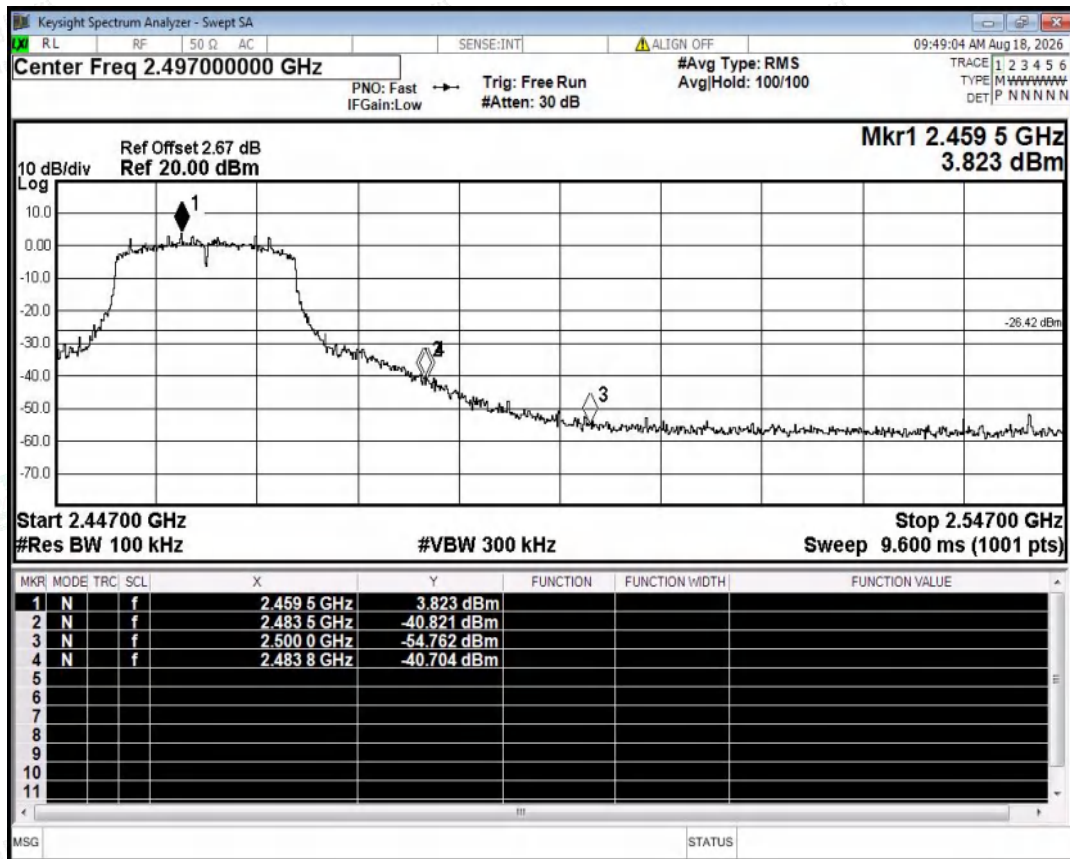


Band Edge NVNT n20 2412MHz Ant1 Ref

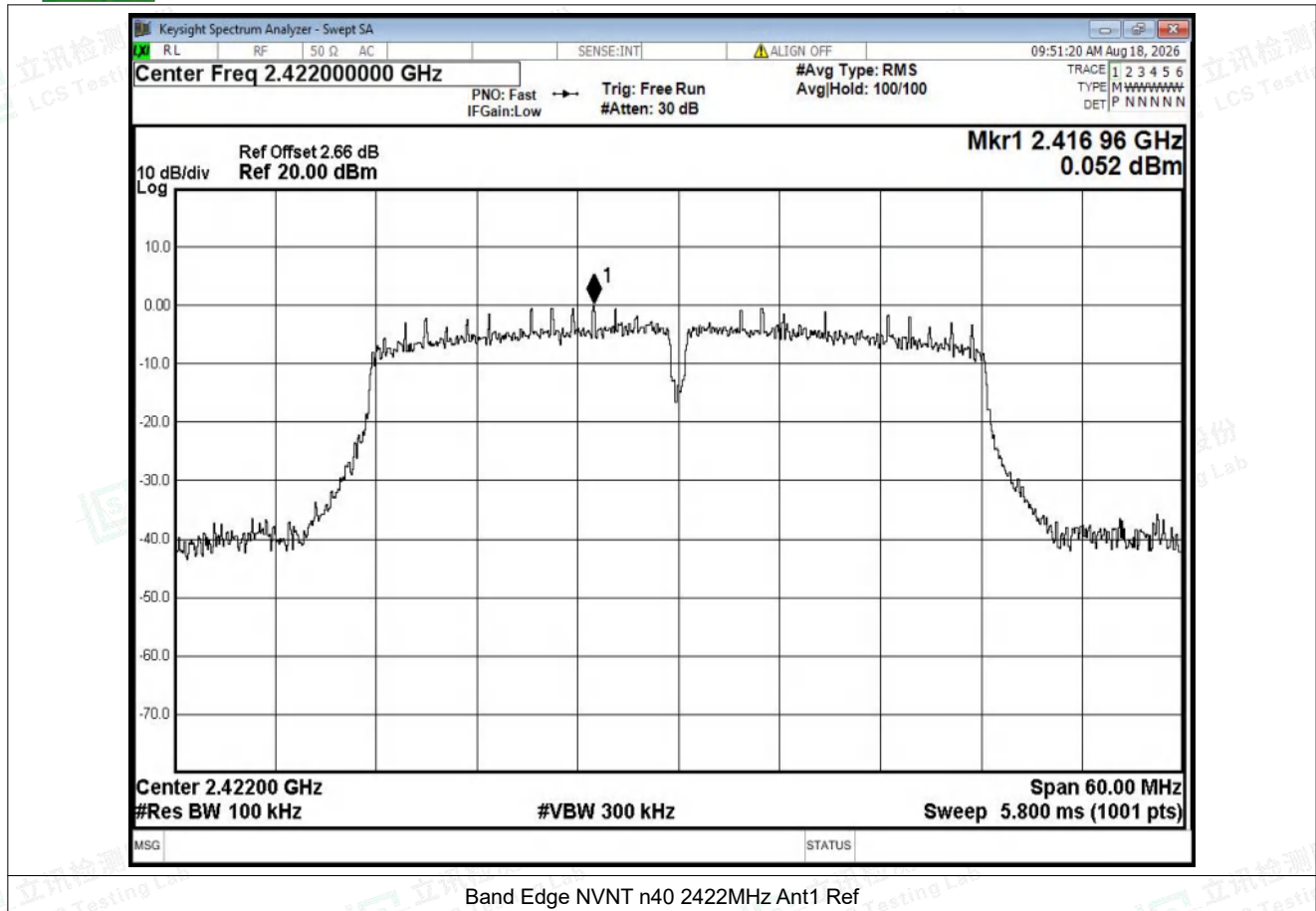


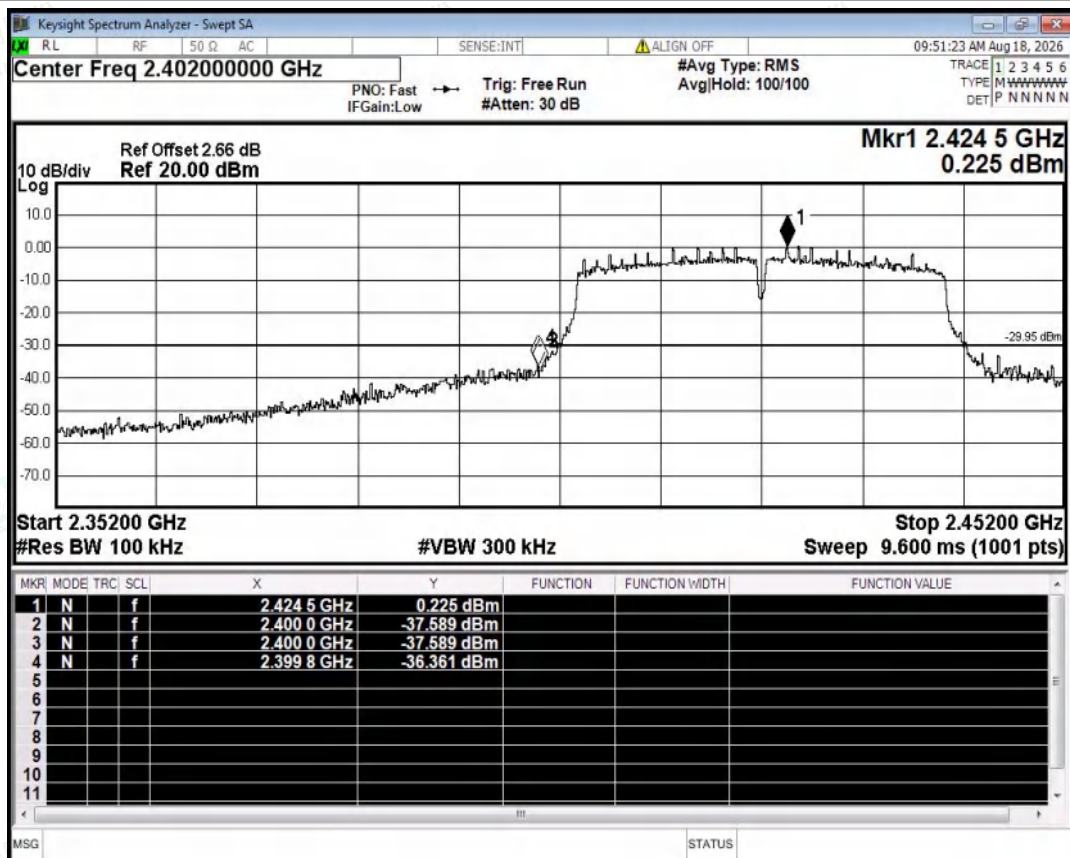
Band Edge NVNT n20 2412MHz Ant1 Emission



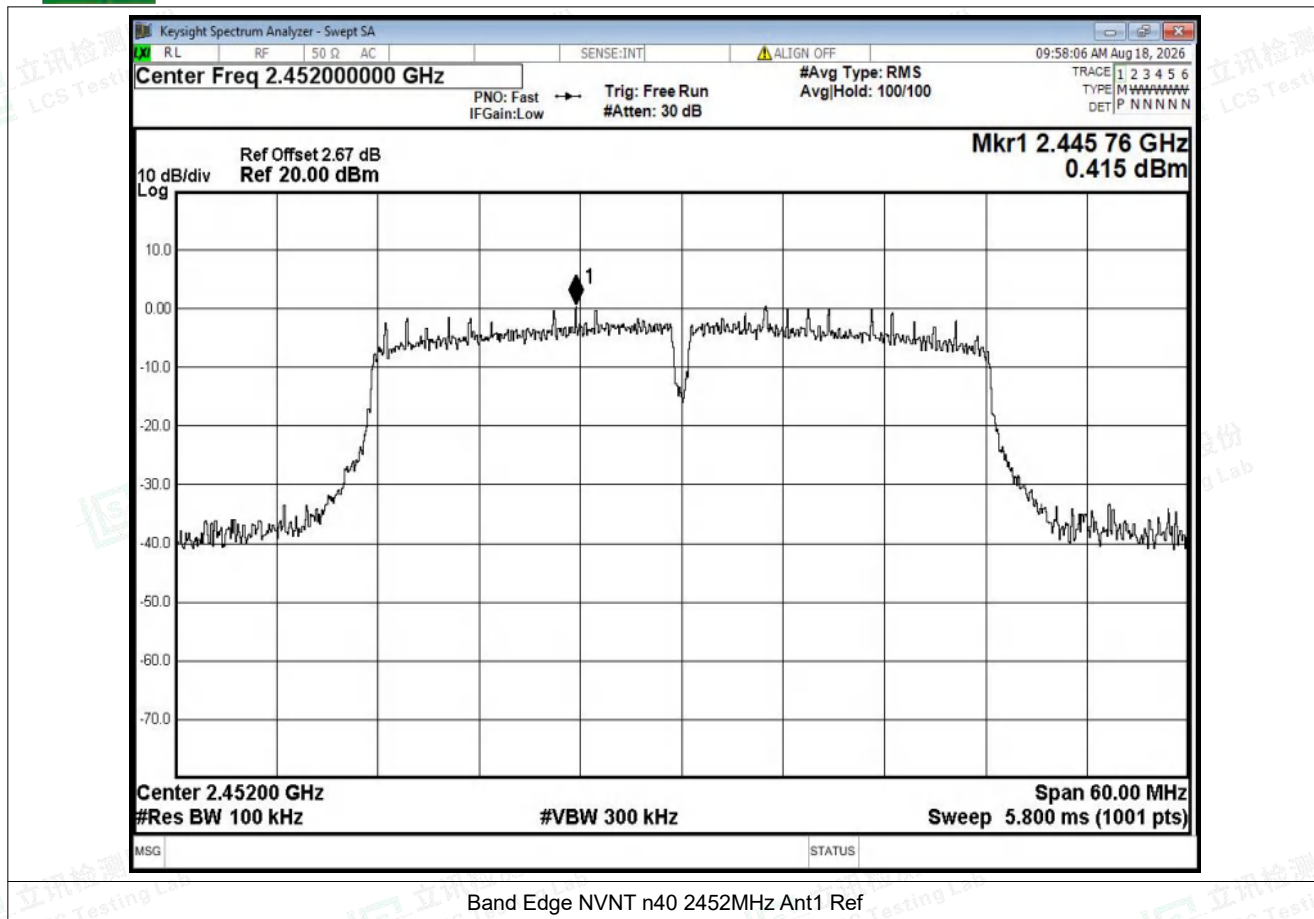


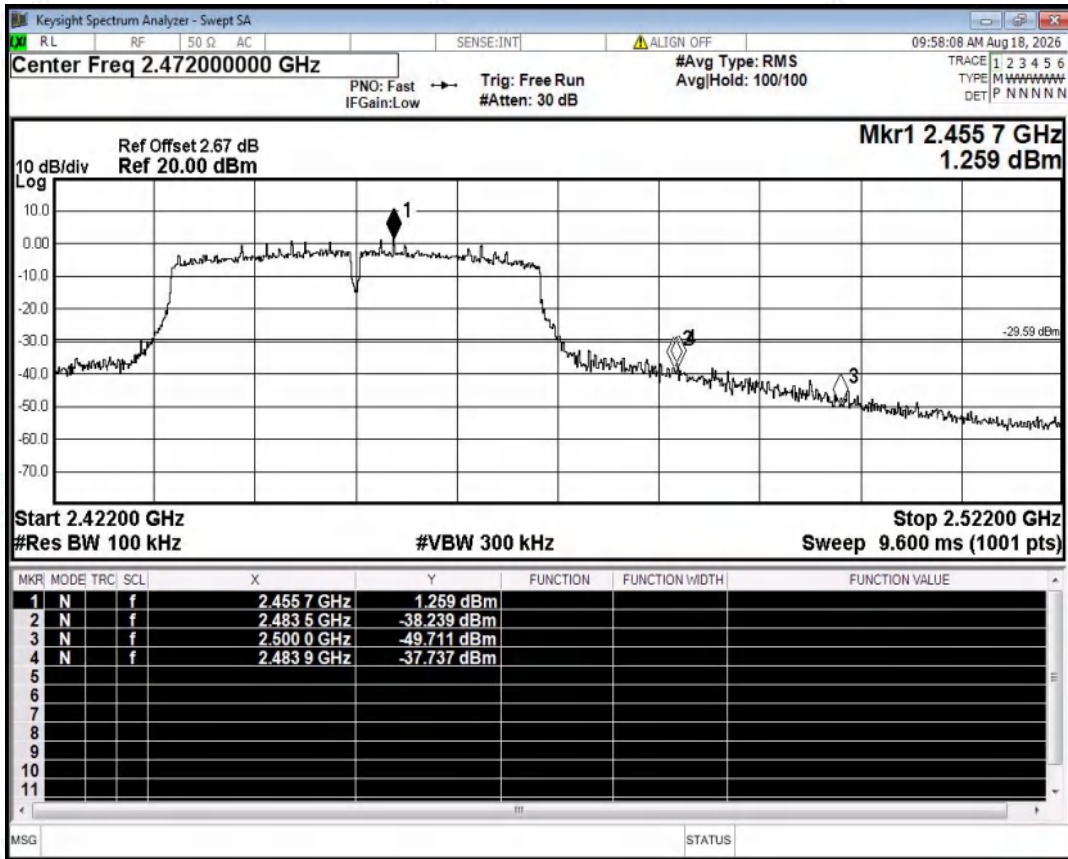
Band Edge NVNT n20 2462MHz Ant1 Emission



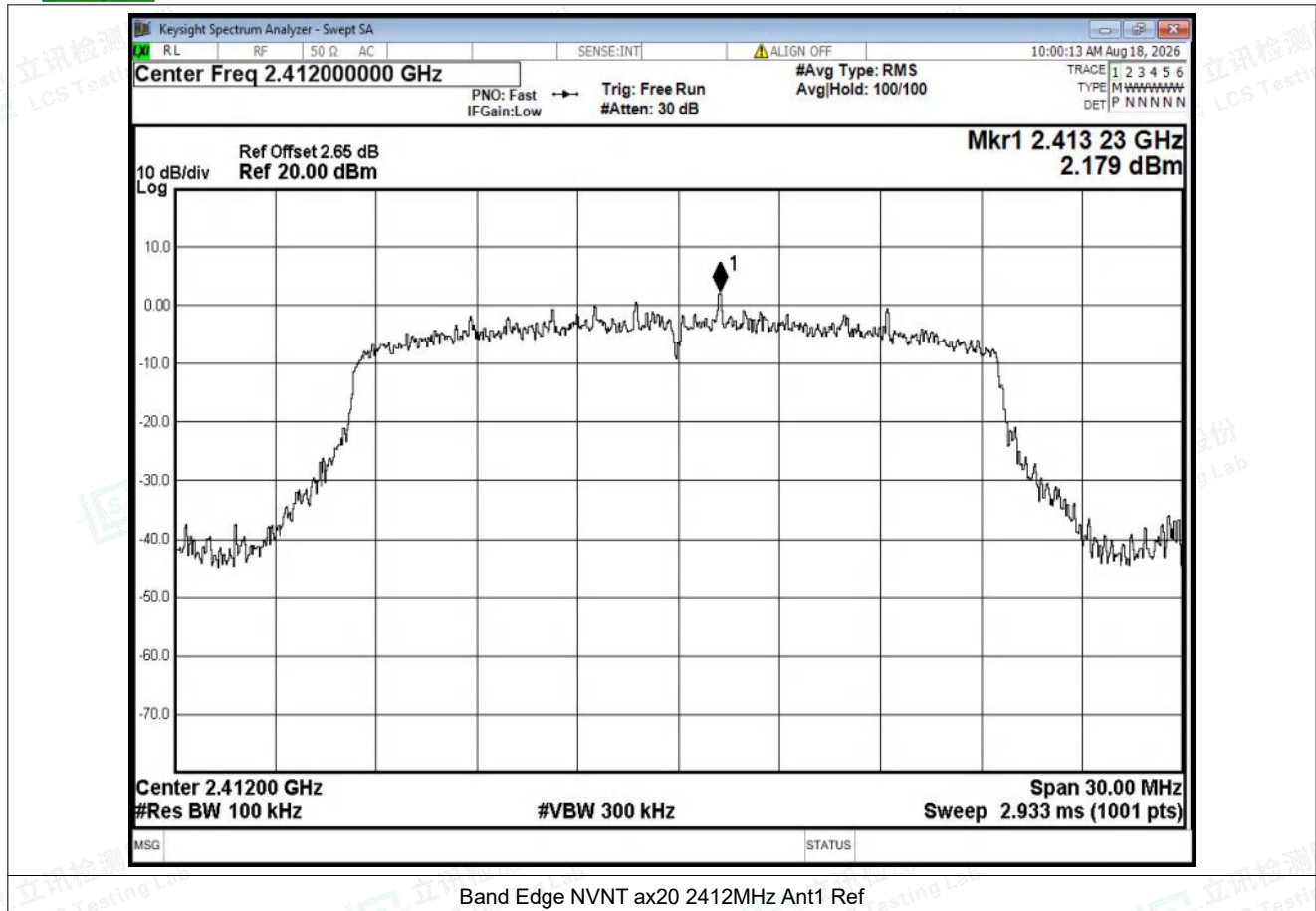


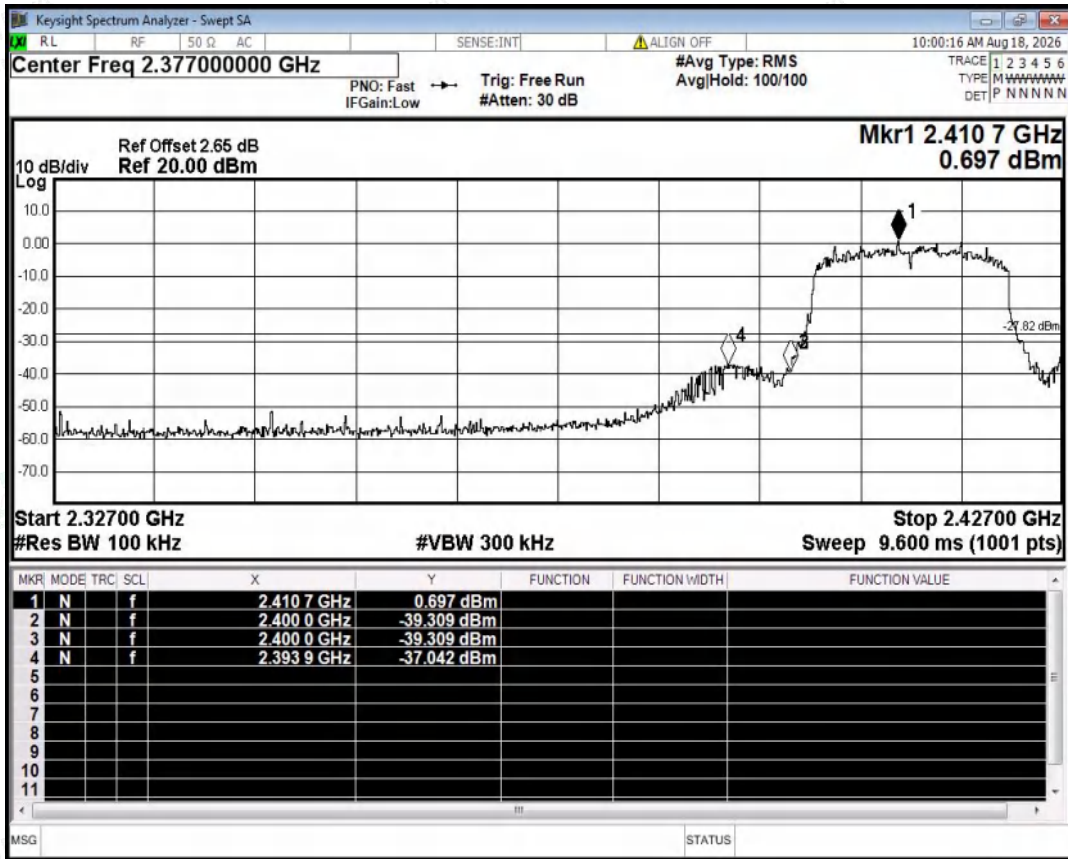
Band Edge NVNT n40 2422MHz Ant1 Emission



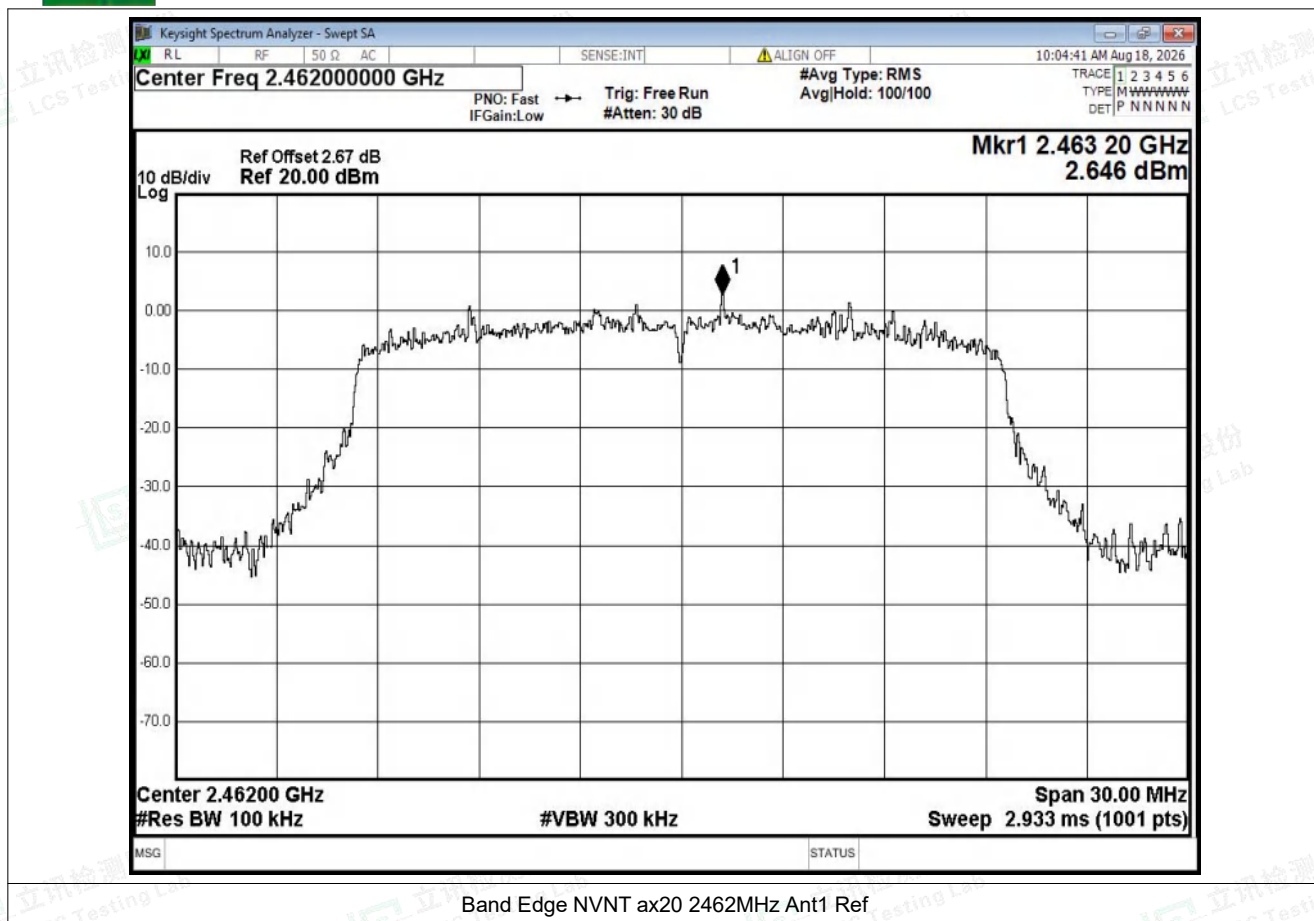


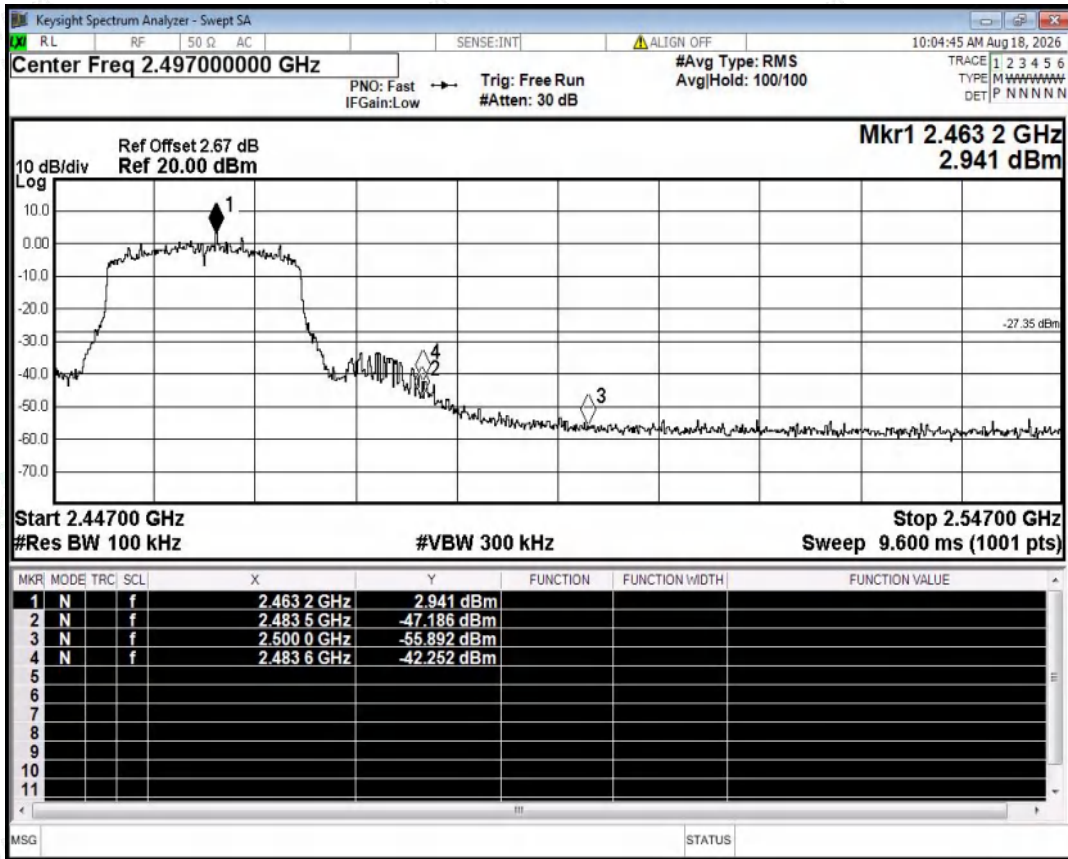
Band Edge NVNT n40 2452MHz Ant1 Emission



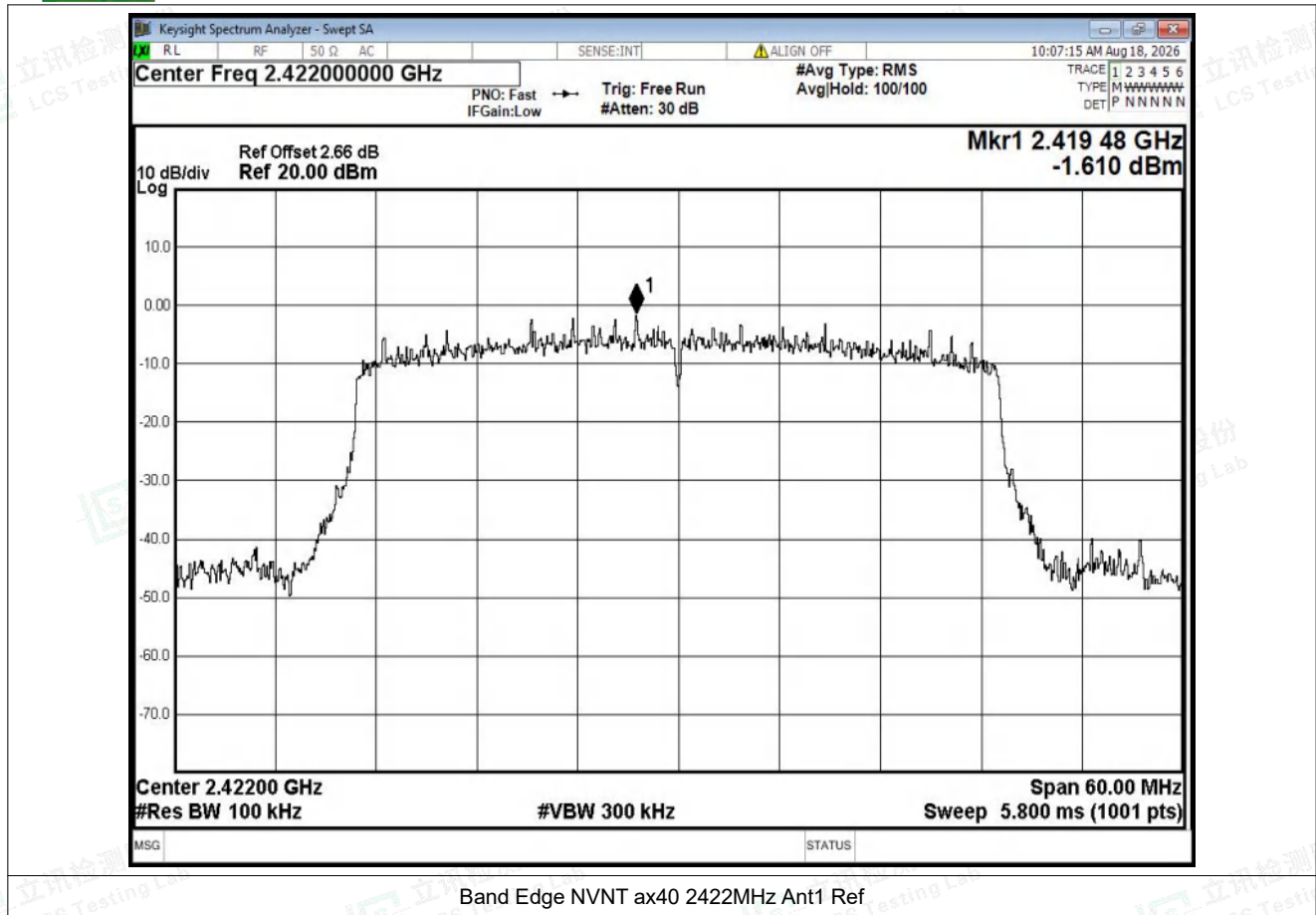


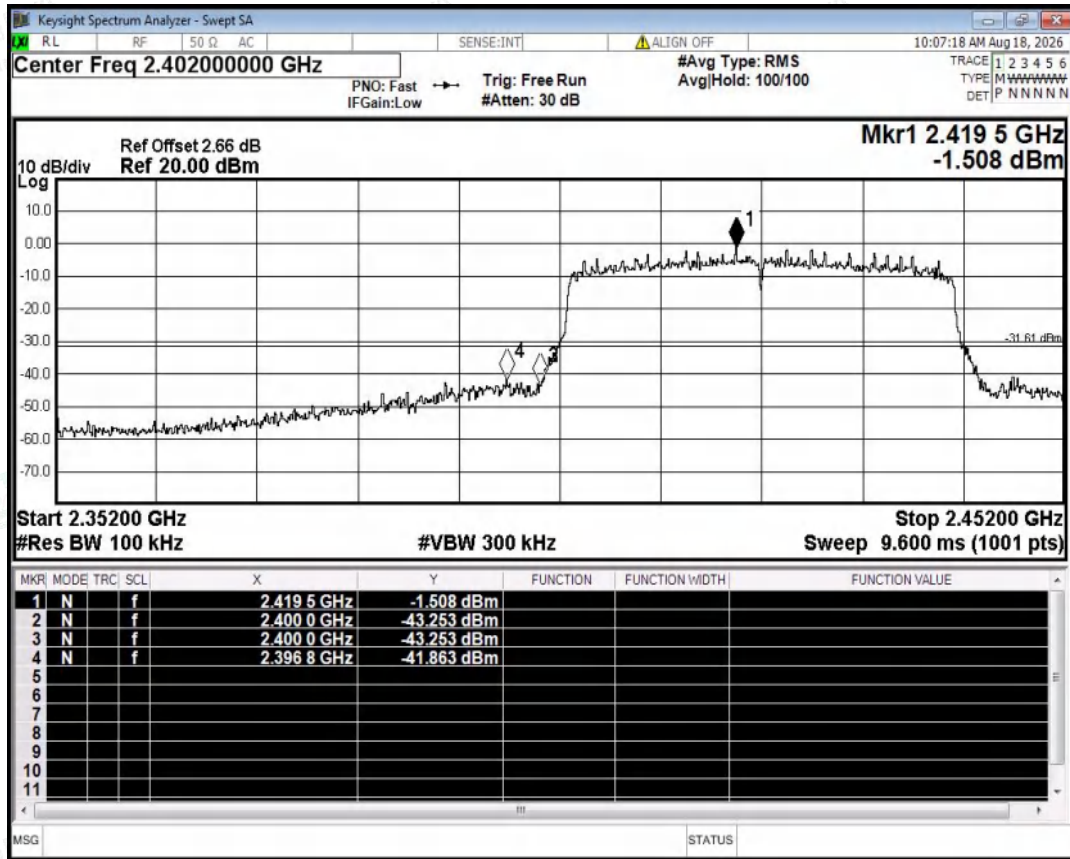
Band Edge NVNT ax20 2412MHz Ant1 Emission



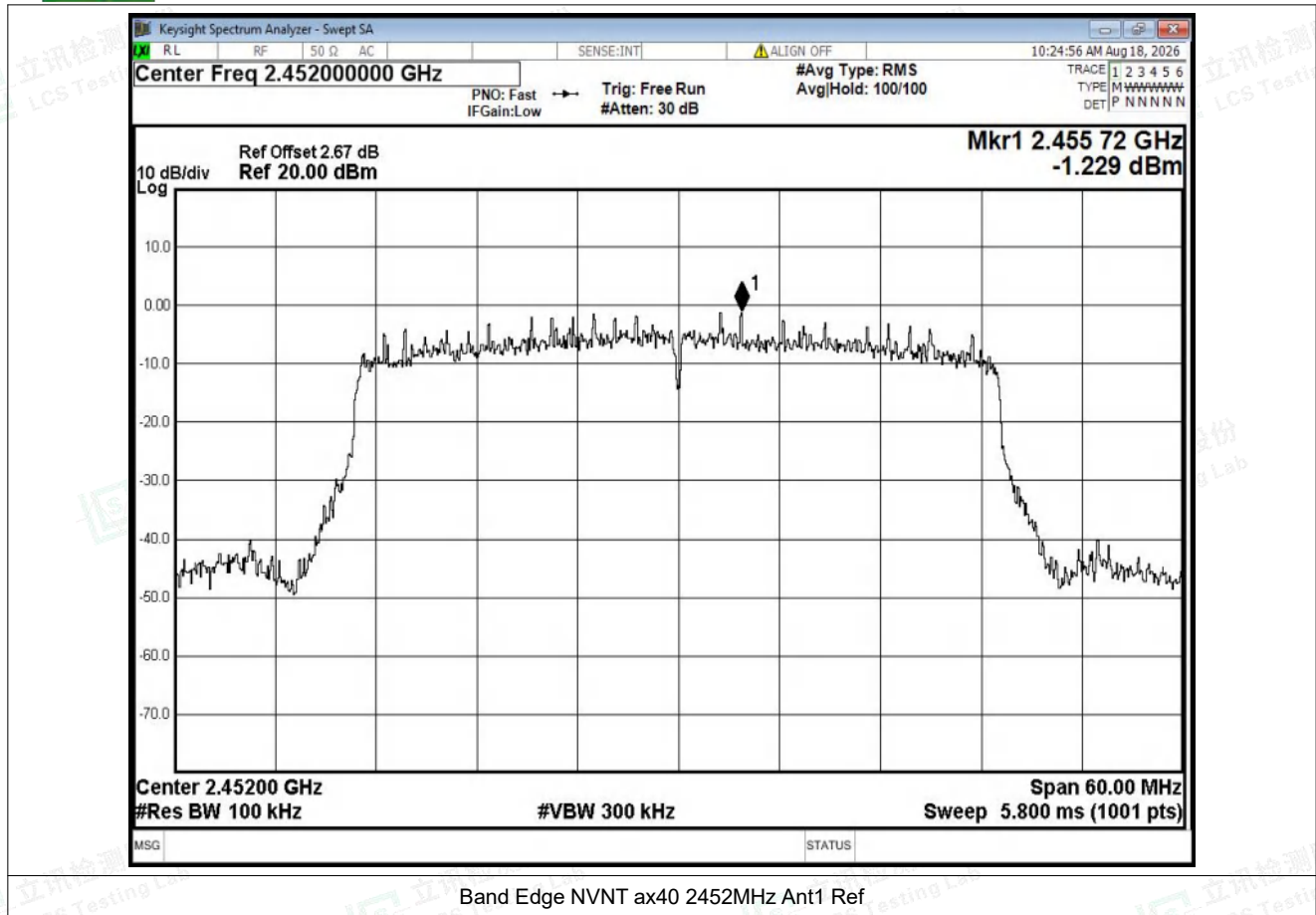


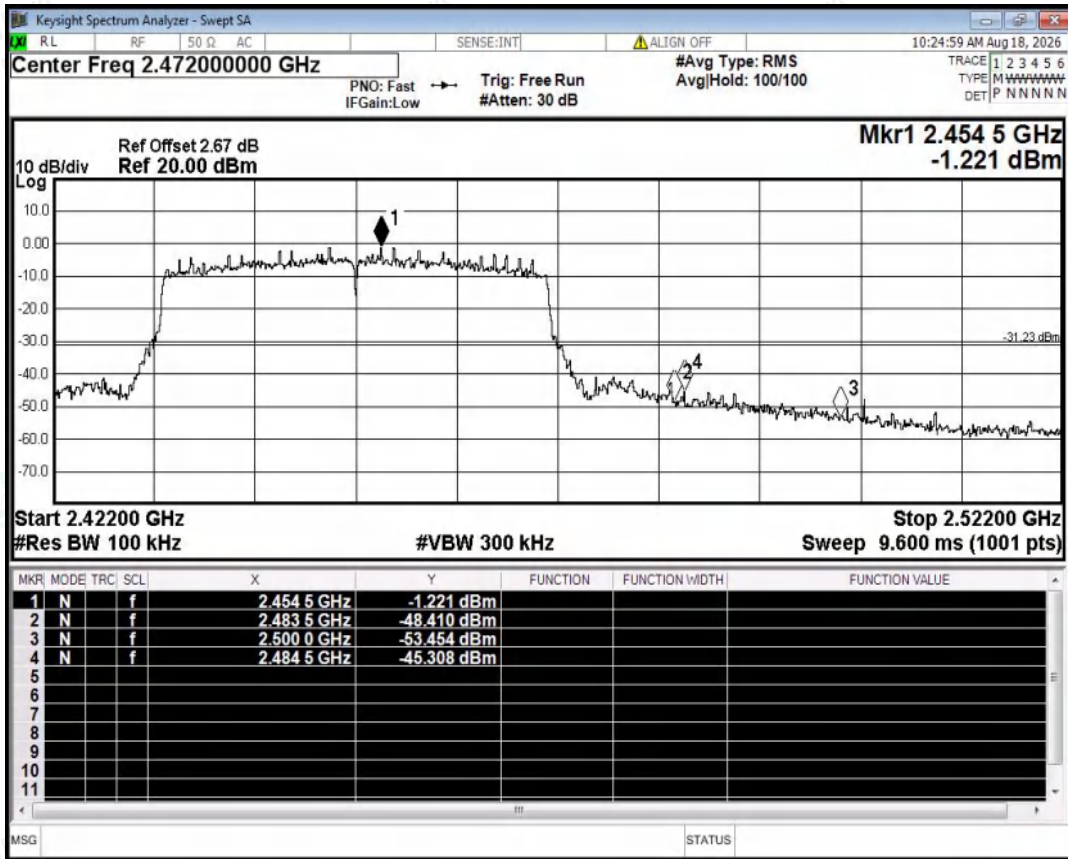
Band Edge NVNT ax20 2462MHz Ant1 Emission





Band Edge NVNT ax40 2422MHz Ant1 Emission



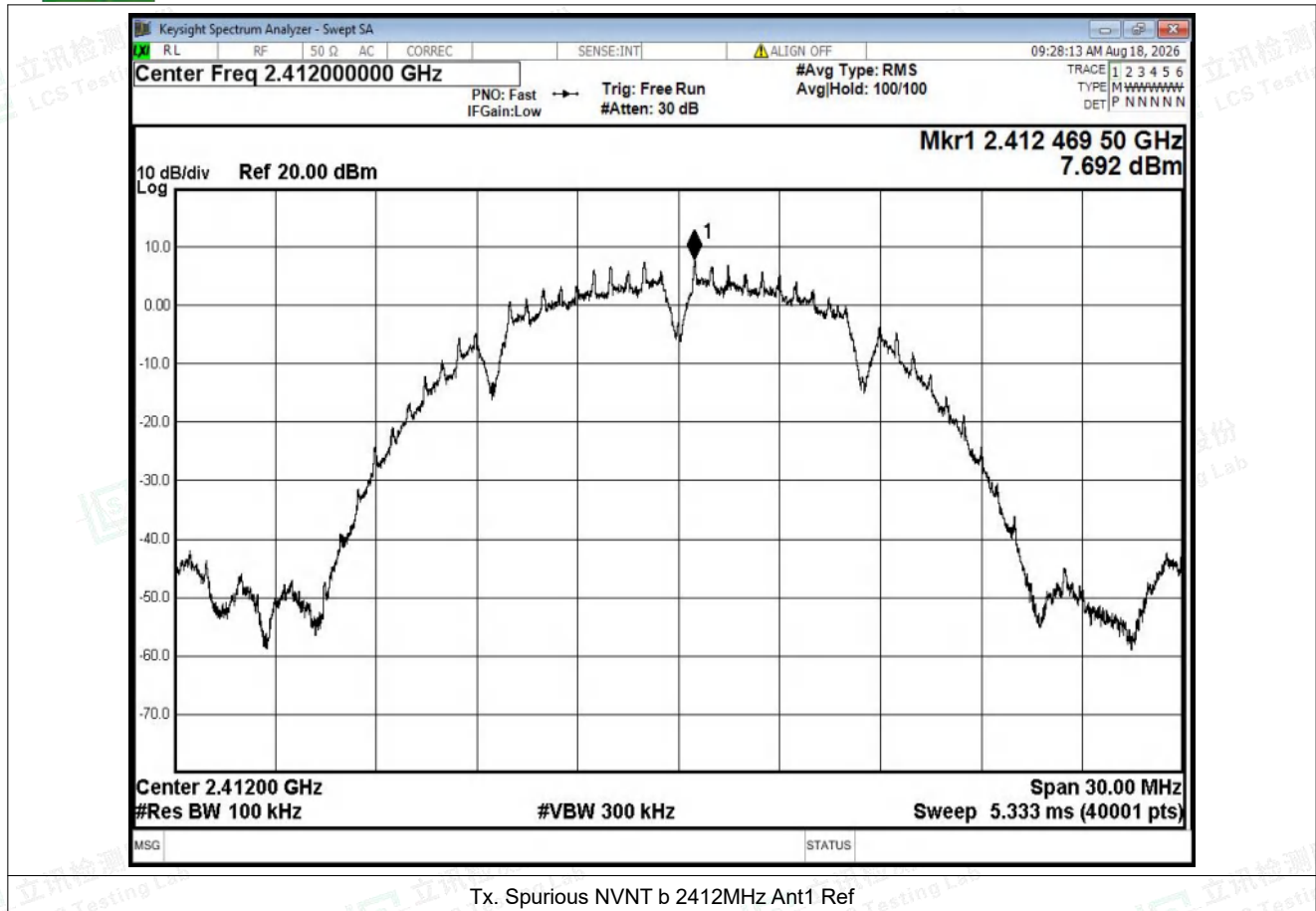


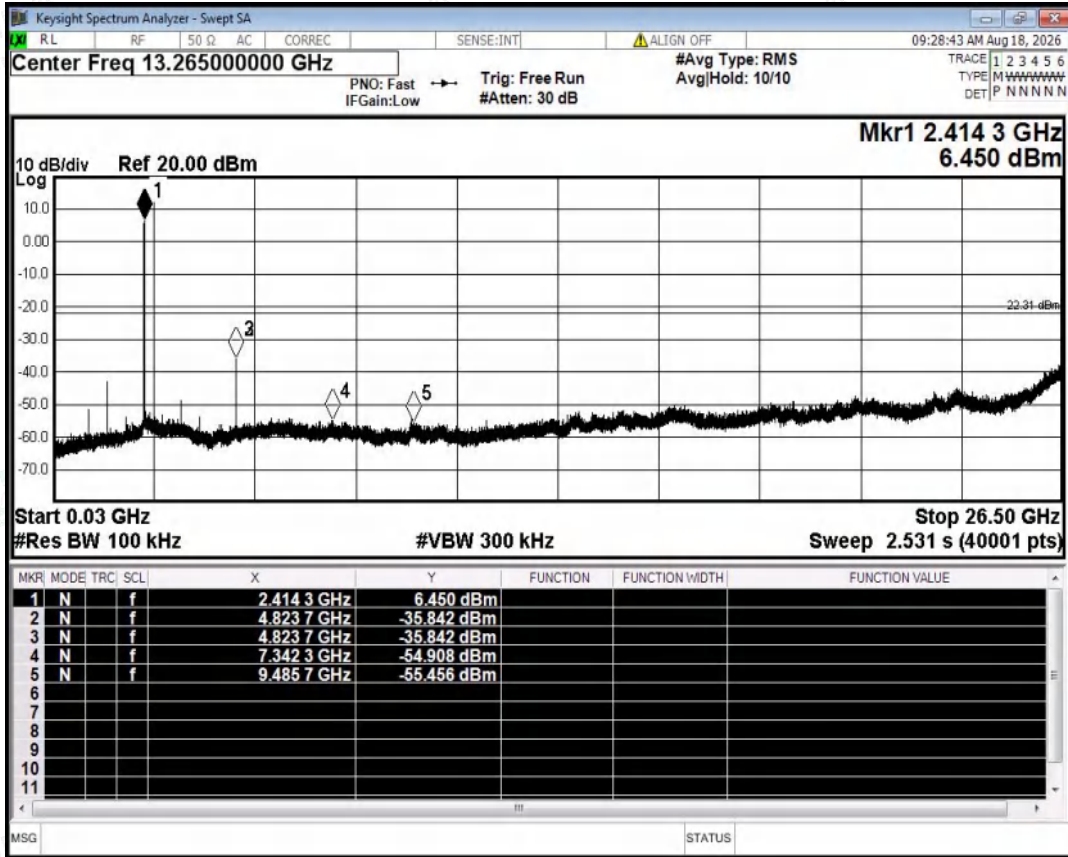
Band Edge NVNT ax40 2452MHz Ant1 Emission



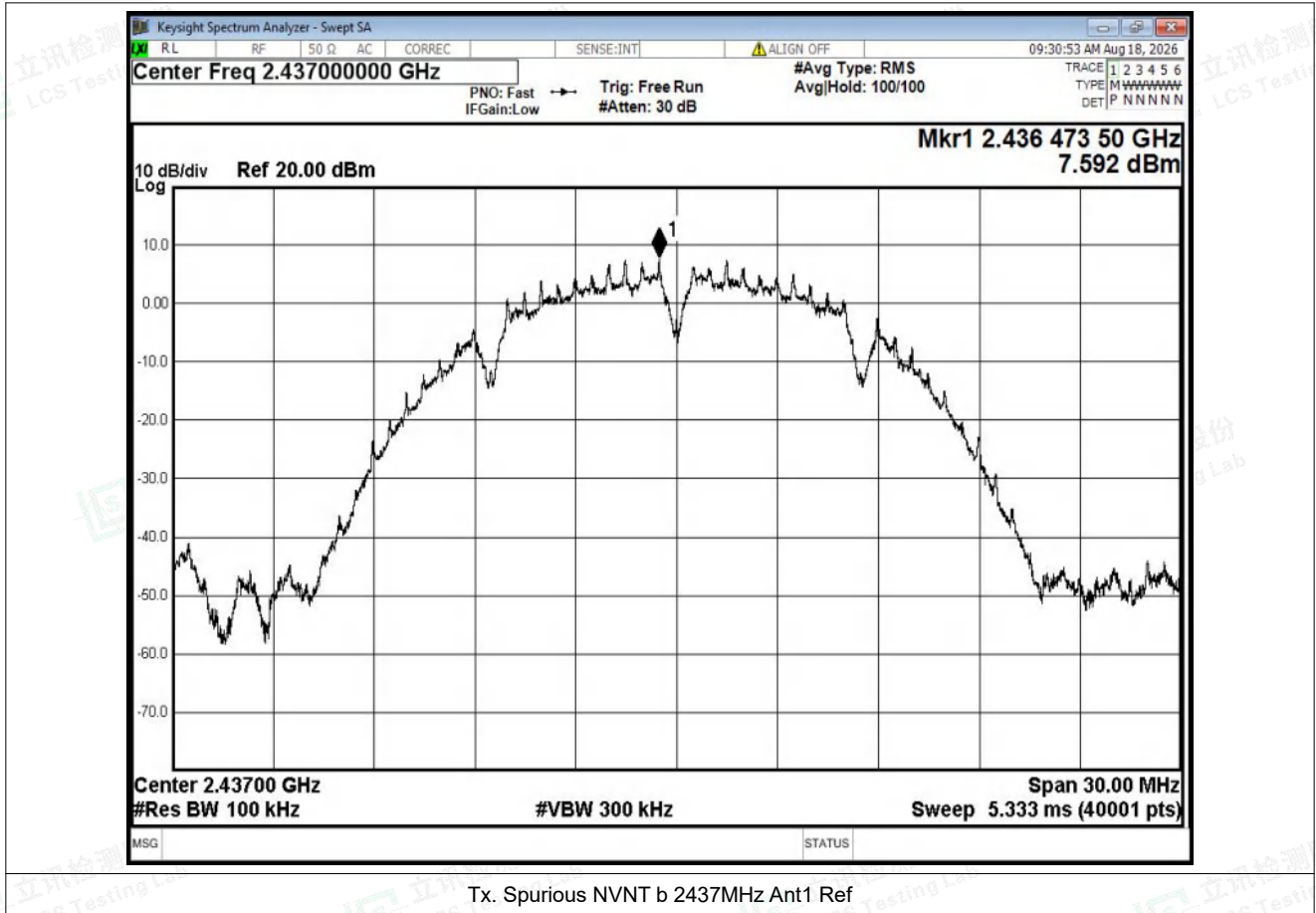
C.5 Conducted RF Spurious Emission

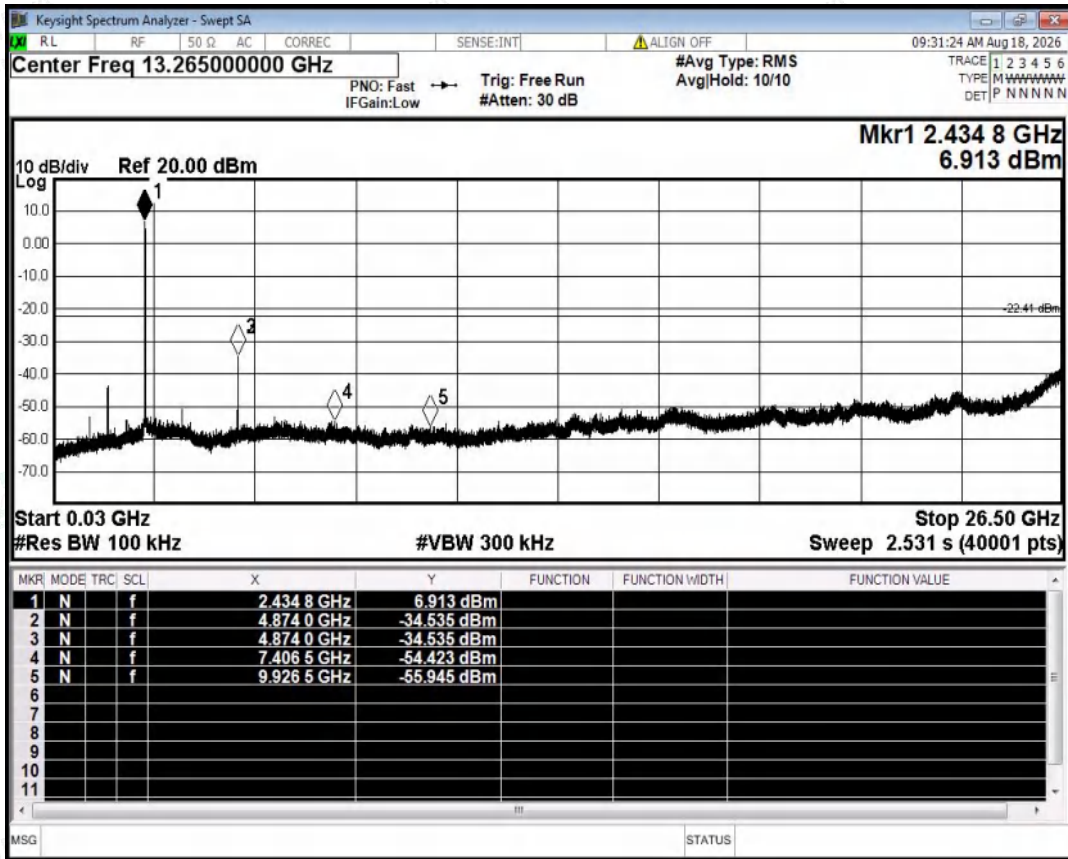
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-43.53	-30	Pass
NVNT	b	2437	Ant1	-42.12	-30	Pass
NVNT	b	2462	Ant1	-42.81	-30	Pass
NVNT	g	2412	Ant1	-41.8	-30	Pass
NVNT	g	2437	Ant1	-41.27	-30	Pass
NVNT	g	2462	Ant1	-42.6	-30	Pass
NVNT	n20	2412	Ant1	-41.78	-30	Pass
NVNT	n20	2437	Ant1	-41.84	-30	Pass
NVNT	n20	2462	Ant1	-41.8	-30	Pass
NVNT	n40	2422	Ant1	-38.26	-30	Pass
NVNT	n40	2437	Ant1	-38.84	-30	Pass
NVNT	n40	2452	Ant1	-39.78	-30	Pass
NVNT	ax20	2412	Ant1	-39.35	-30	Pass
NVNT	ax20	2437	Ant1	-40.53	-30	Pass
NVNT	ax20	2462	Ant1	-41.02	-30	Pass
NVNT	ax40	2422	Ant1	-36.07	-30	Pass
NVNT	ax40	2437	Ant1	-37.15	-30	Pass
NVNT	ax40	2452	Ant1	-35.67	-30	Pass



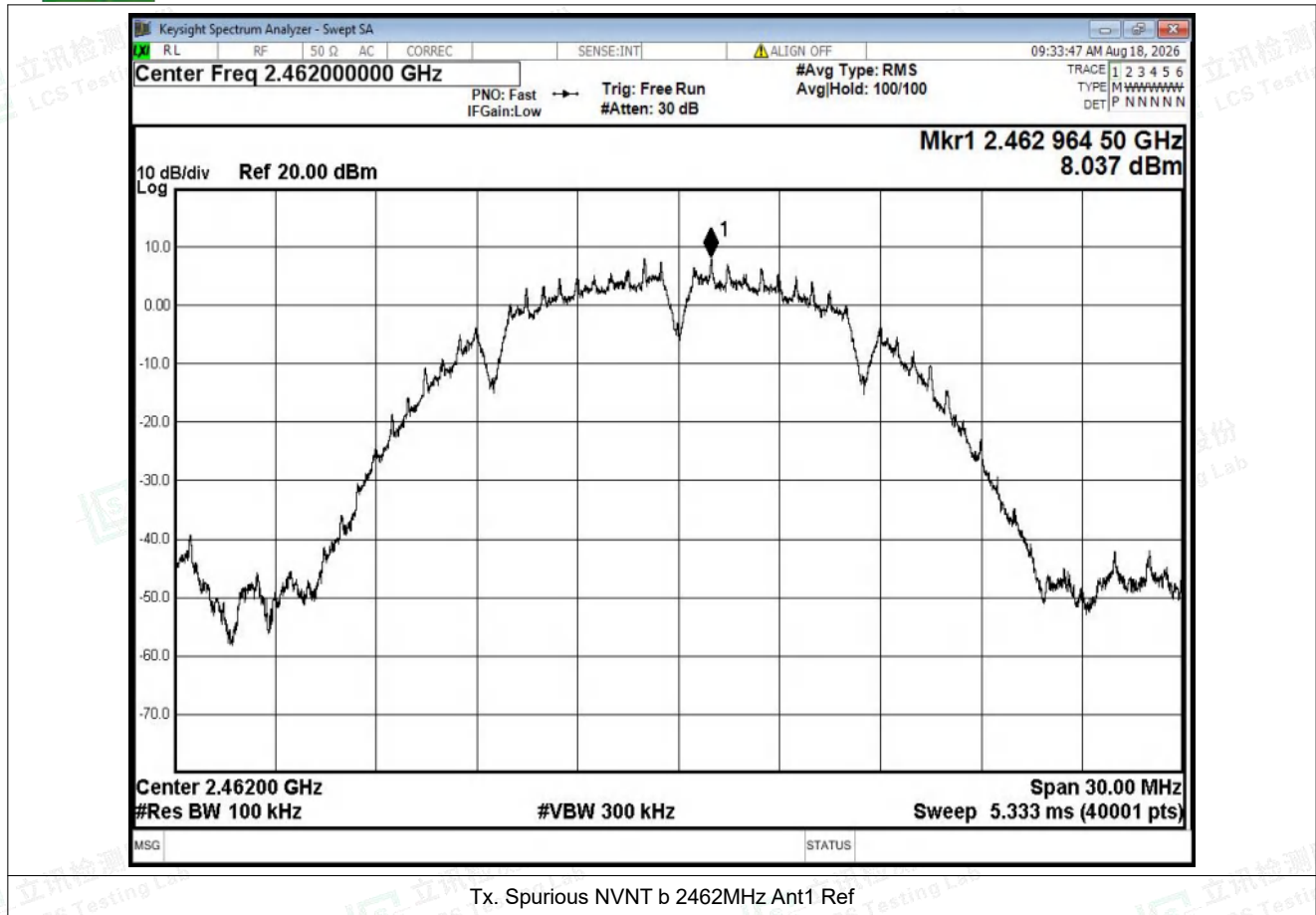


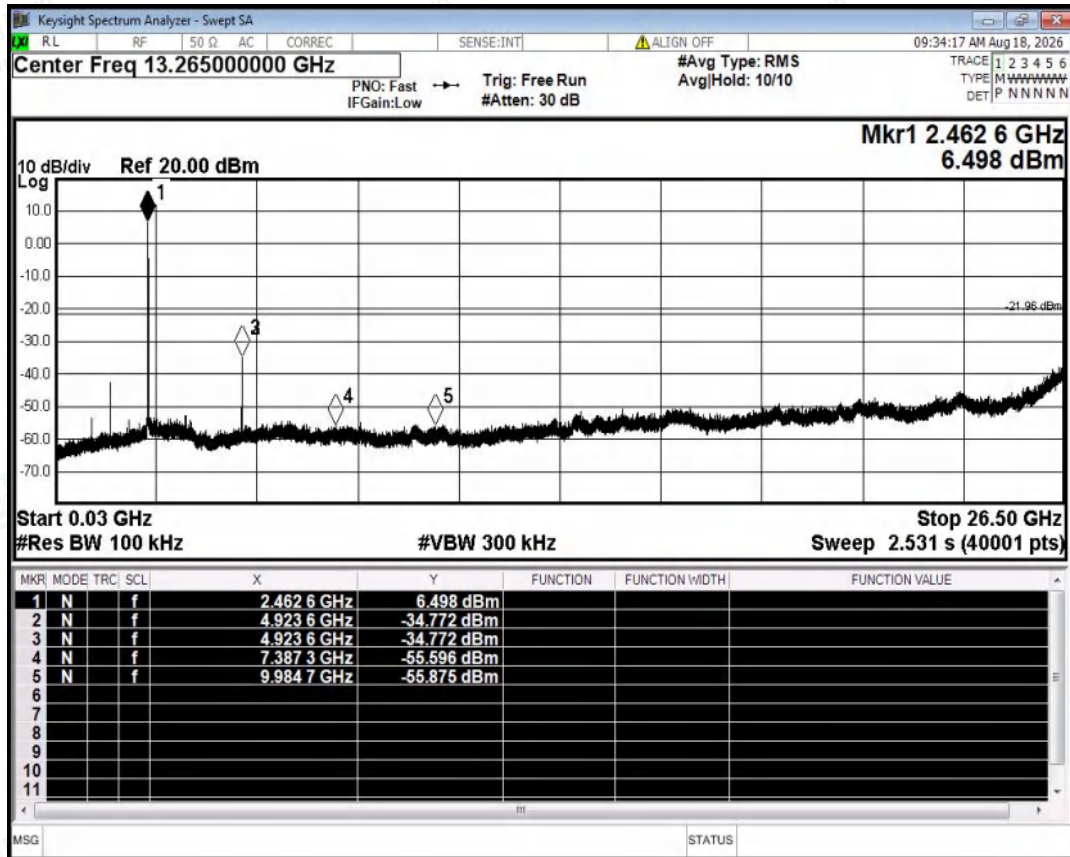
Tx. Spurious NVNT b 2412MHz Ant1 Emission



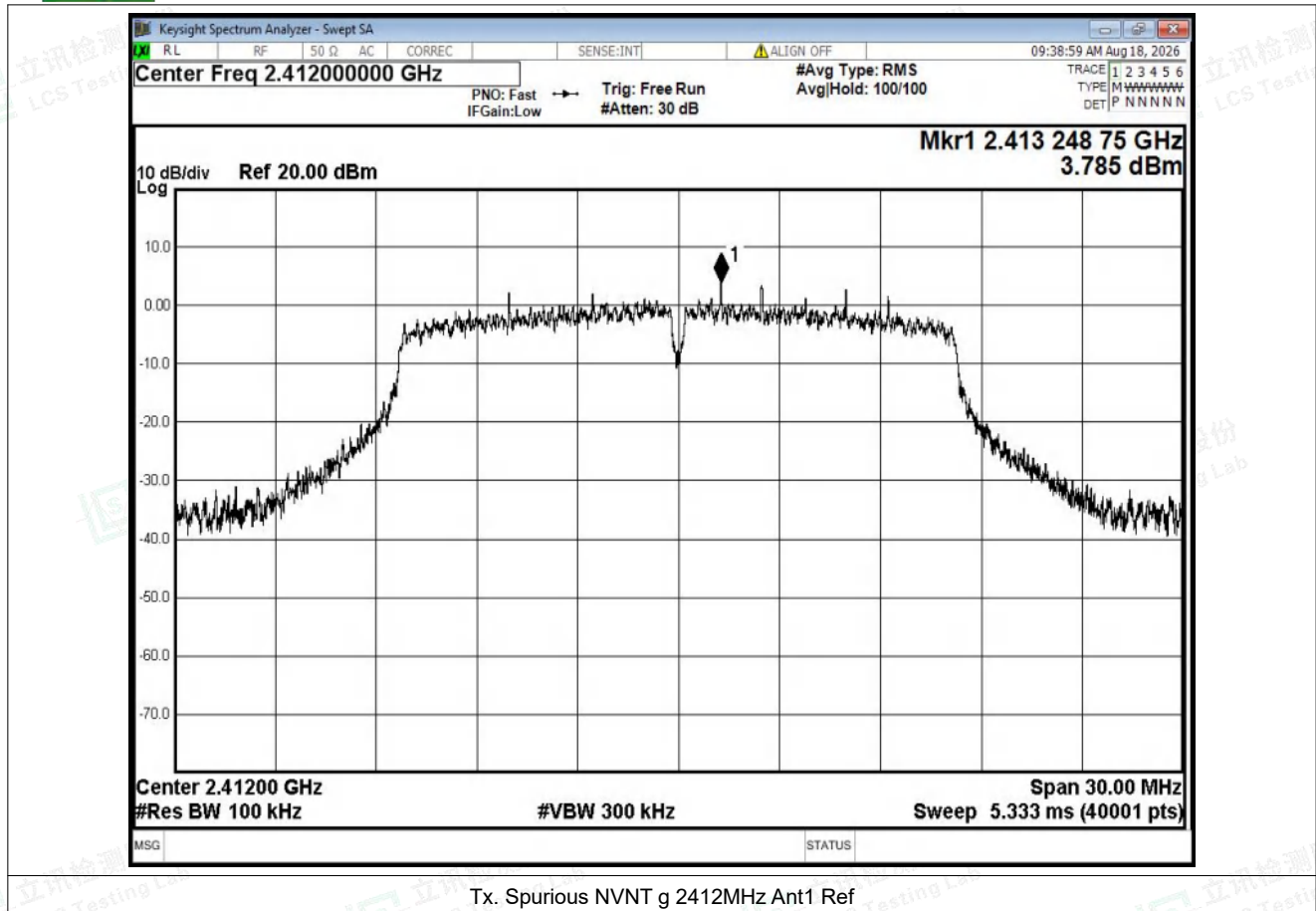


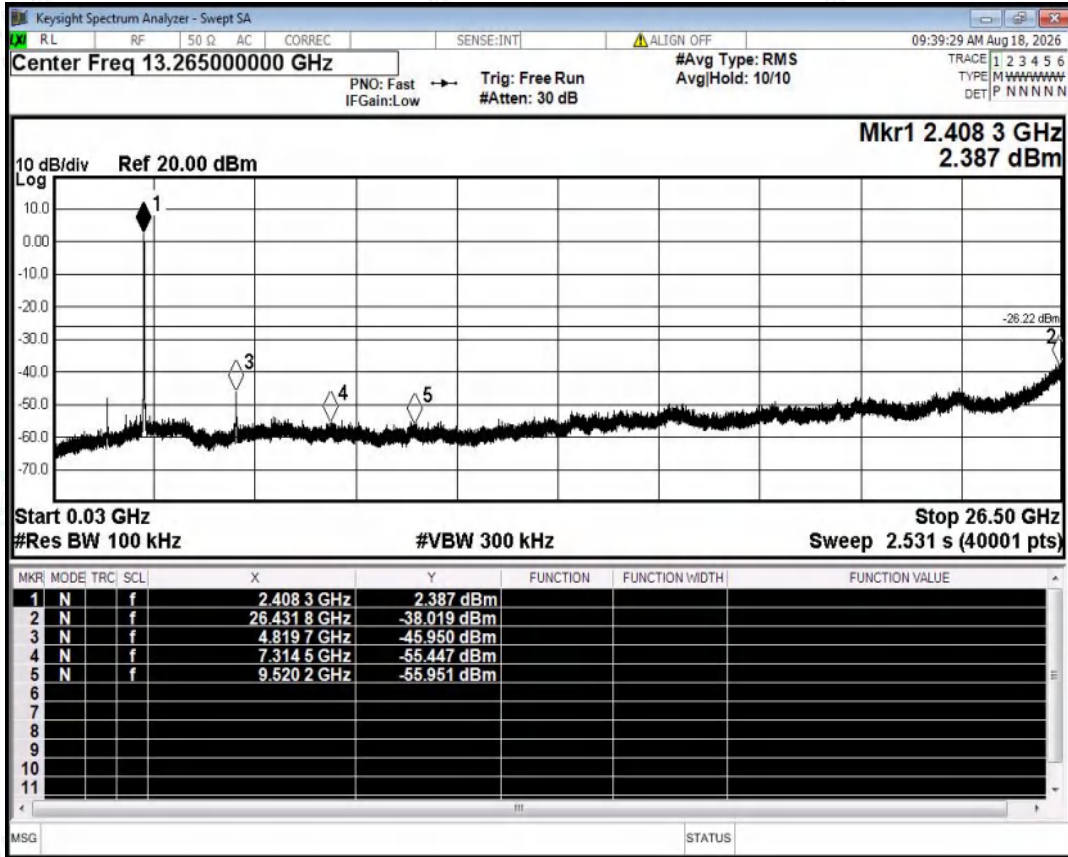
Tx. Spurious NVNT b 2437MHz Ant1 Emission





Tx. Spurious NVNT b 2462MHz Ant1 Emission





Tx. Spurious NVNT g 2412MHz Ant1 Emission

