



Shenzhen DL Testing Technology Co., Ltd.

Appendix 1

FCC Test Report

FCC ID: 2BVL9-BY-2401A

Applicant: Shenzhen Boyuan Technology Co., LTD

Address: Room 710, Baoyunda R&D Complex Building, Fuhua Community, Xixiang Sub-district, Bao'an District, Shenzhen City

Manufacturer: Shenzhen Boyuan Technology Co., LTD

Address: Room 710, Baoyunda R&D Complex Building, Fuhua Community, Xixiang Sub-district, Bao'an District, Shenzhen City

Product Name: Smart Tablet

Trade Mark: N/A

Model Number: BY-2401A, BY-2501A, BY-2501P, BY-2501F, BY-2501R, M5-2401A, M5-2501A, A8-2401A, A8-2501A

Date of Receipt: Jan. 05, 2026

Test Date: Jan. 05, 2026 - Jan. 31, 2026

Date of Report: Jan. 31, 2026

Prepared By: Shenzhen DL Testing Technology Co., Ltd.

Address: 101-201, Comprehensive Building, Tongzhou Electronics Longgang Factory Area, No.1 Baolong Fifth Road, Baolong Community, Baolong Street, Longgang District, Shenzhen, China

Test Result: Pass

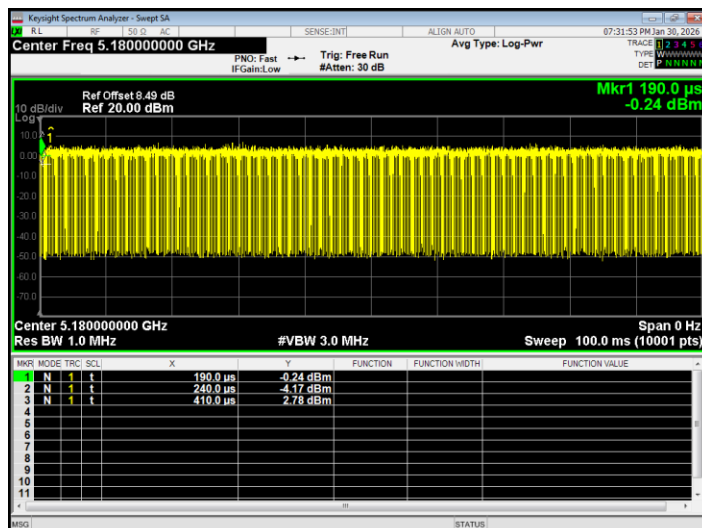


Duty Cycle

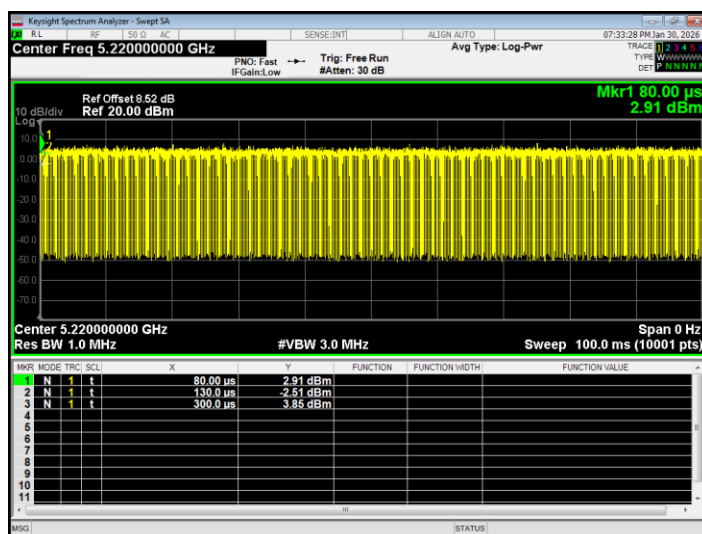
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	77.27	1.12
NVNT	a	5220	Ant1	77.27	1.12
NVNT	a	5240	Ant1	77.27	1.12
NVNT	ac20	5180	Ant1	96.32	0.16
NVNT	ac20	5220	Ant1	97.04	0.13
NVNT	ac20	5240	Ant1	97.04	0.13
NVNT	ac40	5190	Ant1	92.86	0.32
NVNT	ac40	5230	Ant1	94.2	0.26
NVNT	ac80	5210	Ant1	86.49	0.63
NVNT	n20	5180	Ant1	97.01	0.13
NVNT	n20	5220	Ant1	97.04	0.13
NVNT	n20	5240	Ant1	96.3	0.16
NVNT	n40	5190	Ant1	94.2	0.26
NVNT	n40	5230	Ant1	94.2	0.26



Duty Cycle NVNT a 5180MHz Ant1



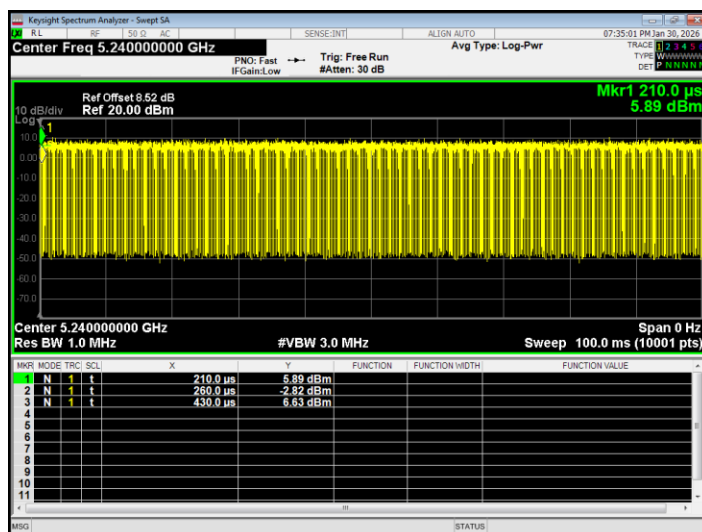
Duty Cycle NVNT a 5220MHz Ant1



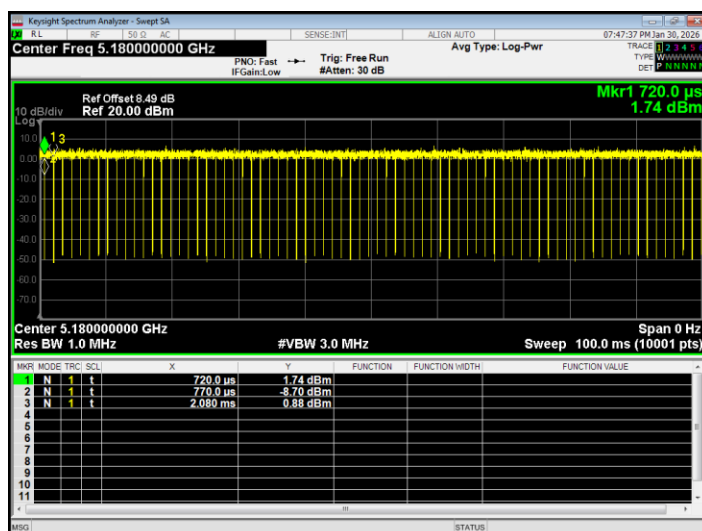


Shenzhen DL Testing Technology Co., Ltd.

Duty Cycle NVNT a 5240MHz Ant1



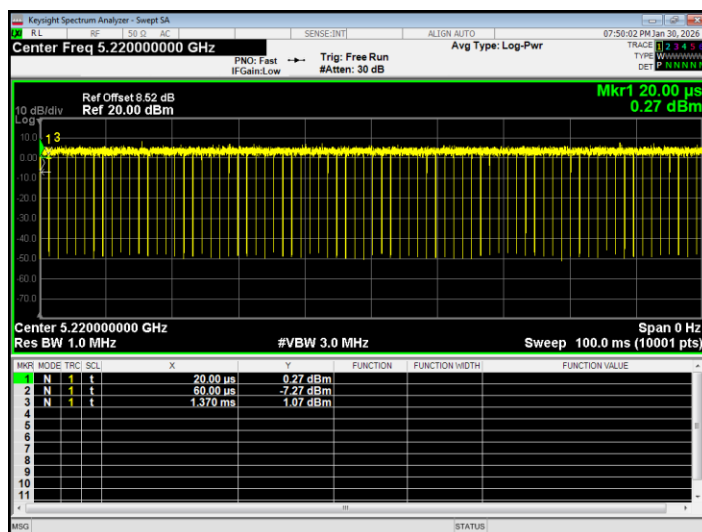
Duty Cycle NVNT ac20 5180MHz Ant1



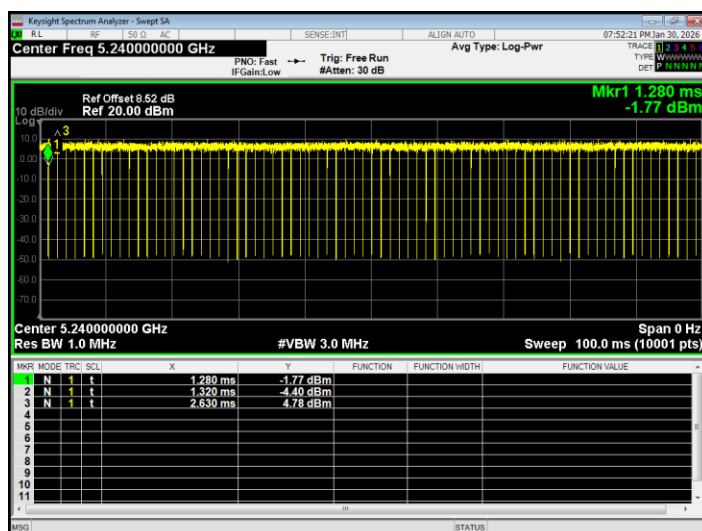


Shenzhen DL Testing Technology Co., Ltd.

Duty Cycle NVNT ac20 5220MHz Ant1



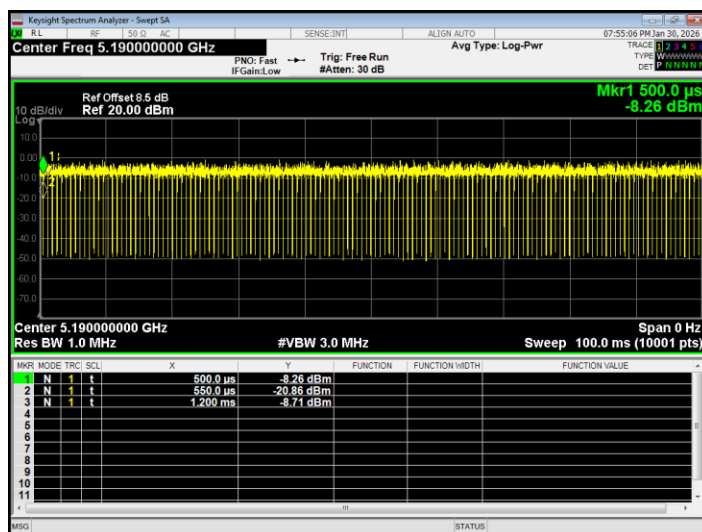
Duty Cycle NVNT ac20 5240MHz Ant1



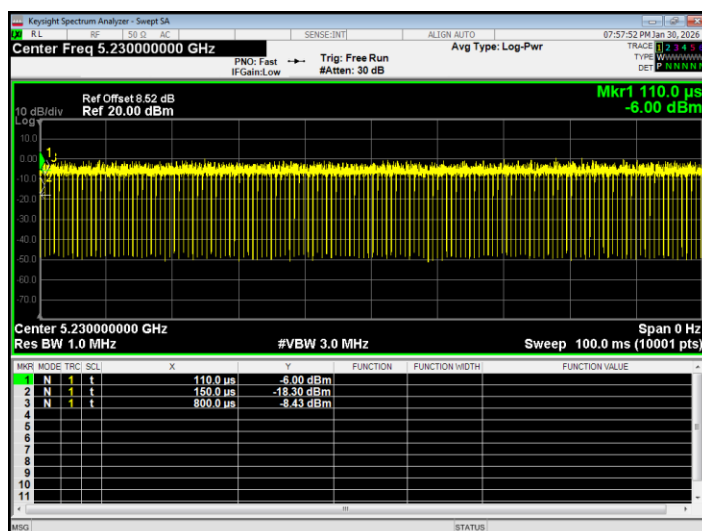


Shenzhen DL Testing Technology Co., Ltd.

Duty Cycle NVNT ac40 5190MHz Ant1



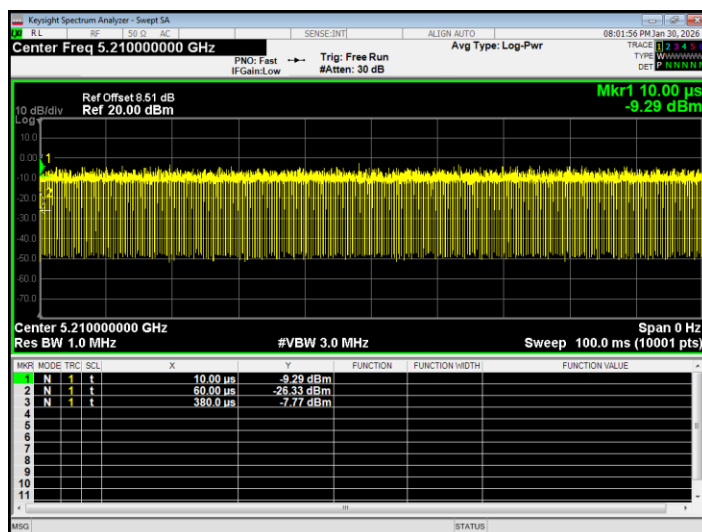
Duty Cycle NVNT ac40 5230MHz Ant1



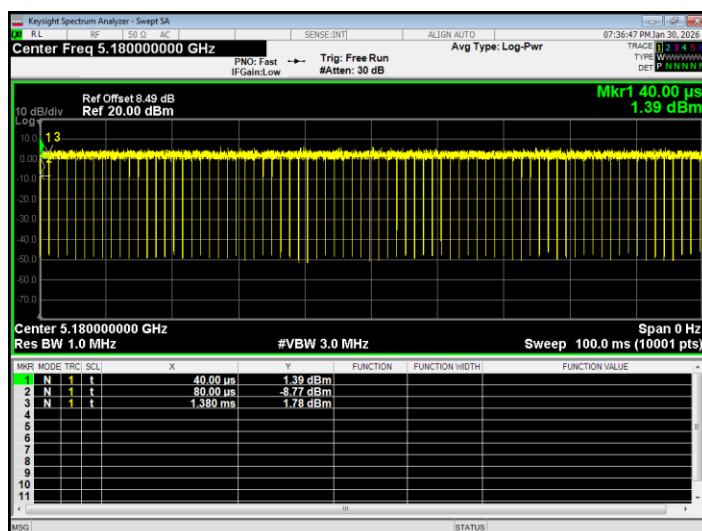


Shenzhen DL Testing Technology Co., Ltd.

Duty Cycle NVNT ac80 5210MHz Ant1



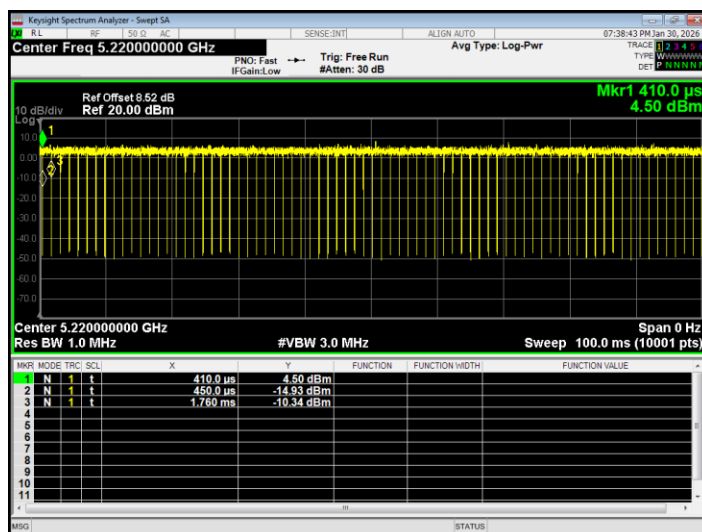
Duty Cycle NVNT n20 5180MHz Ant1



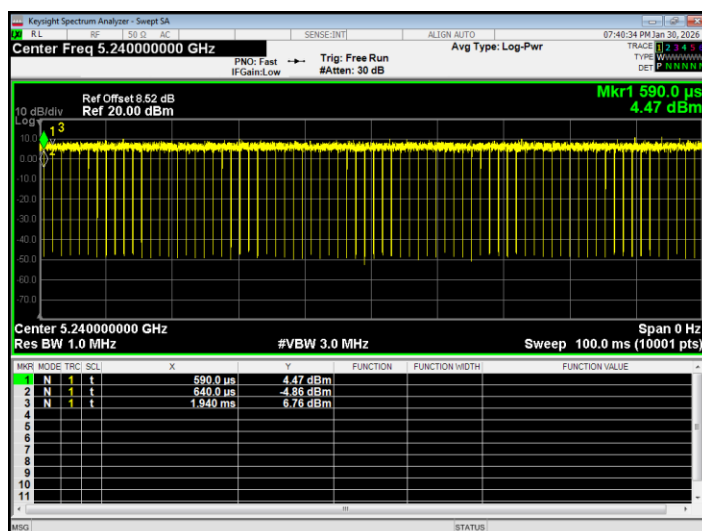


Shenzhen DL Testing Technology Co., Ltd.

Duty Cycle NVNT n20 5220MHz Ant1



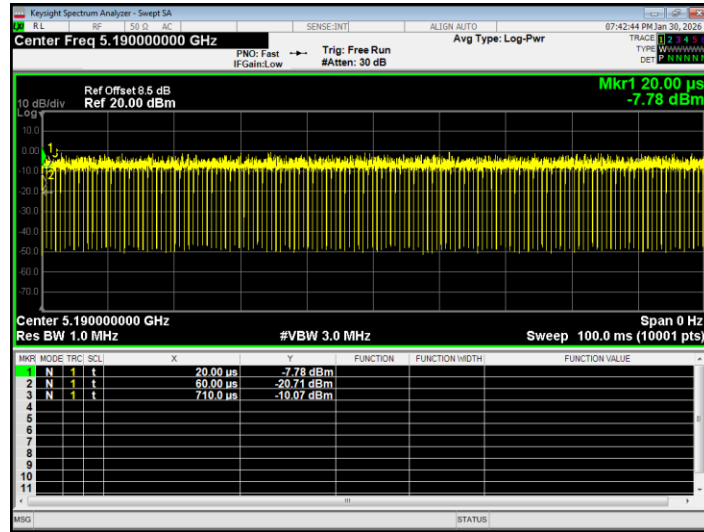
Duty Cycle NVNT n20 5240MHz Ant1



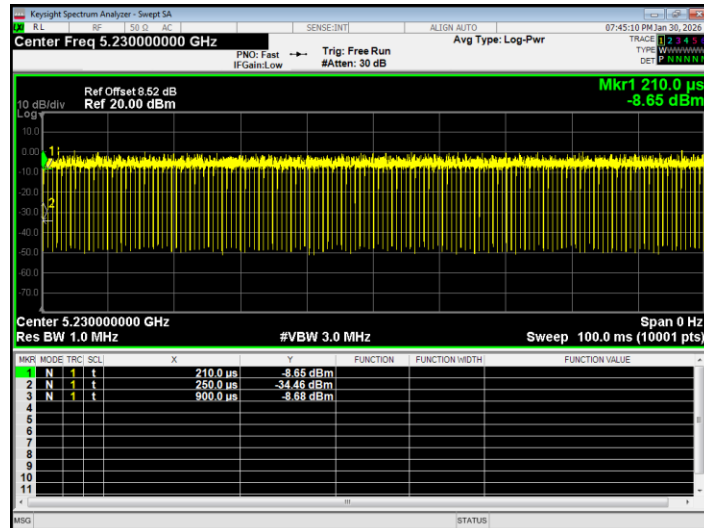


Shenzhen DL Testing Technology Co., Ltd.

Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1





Conducted Band Edge

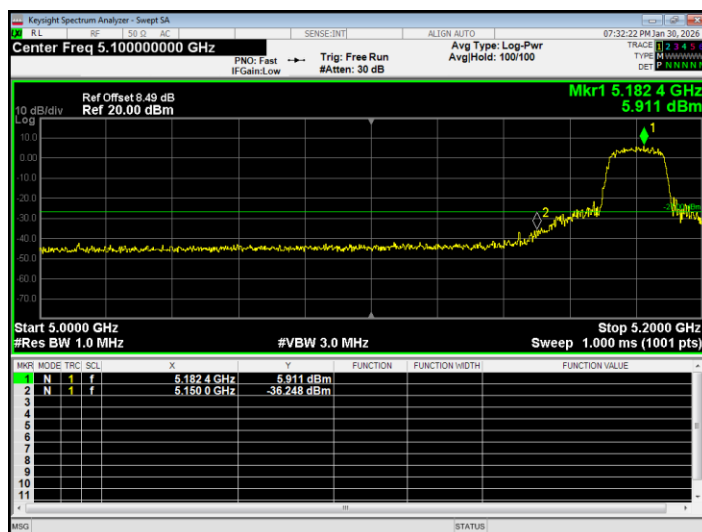
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-36.24	-27	Pass
NVNT	a	5240	Ant1	-41.23	-27	Pass
NVNT	ac20	5180	Ant1	-30.72	-27	Pass
NVNT	ac20	5240	Ant1	-41.16	-27	Pass
NVNT	ac40	5190	Ant1	-39.93	-27	Pass
NVNT	ac40	5230	Ant1	-41.75	-27	Pass
NVNT	ac80	5210	Ant1	-36.41	-27	Pass
NVNT	n20	5180	Ant1	-30.67	-27	Pass
NVNT	n20	5240	Ant1	-41.58	-27	Pass
NVNT	n40	5190	Ant1	-33.77	-27	Pass
NVNT	n40	5230	Ant1	-41.99	-27	Pass

Note: The antenna gain is compensated in the test data.

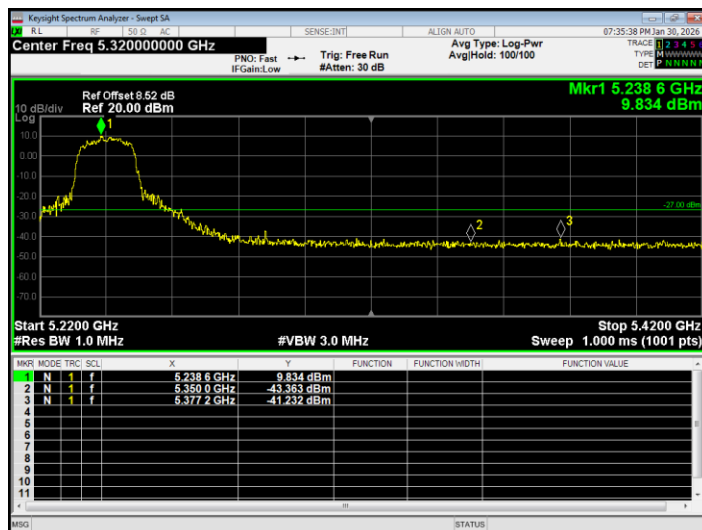


Shenzhen DL Testing Technology Co., Ltd.

Band Edge NVNT a 5180MHz Low Ant1



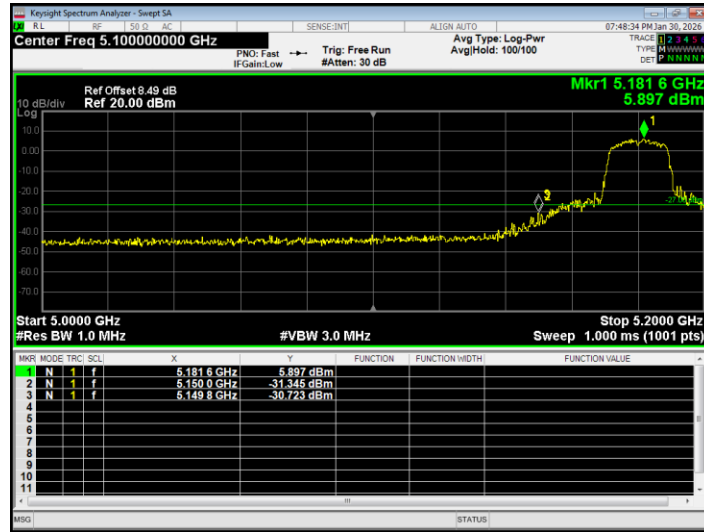
Band Edge NVNT a 5240MHz High Ant1



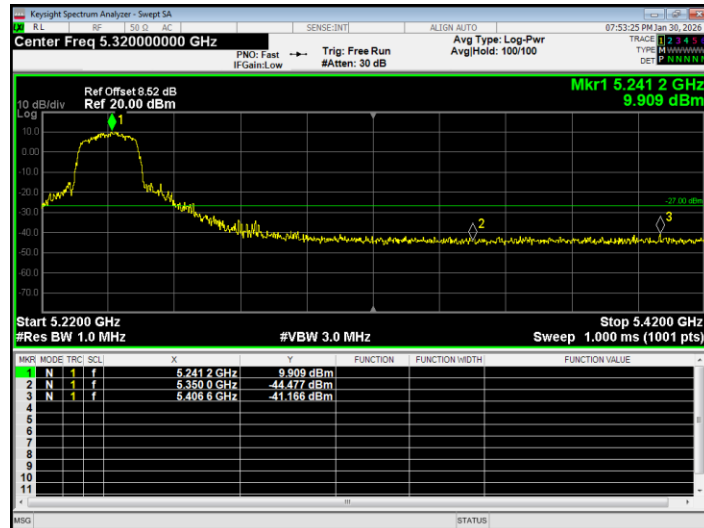


Shenzhen DL Testing Technology Co., Ltd.

Band Edge NVNT ac20 5180MHz Low Ant1



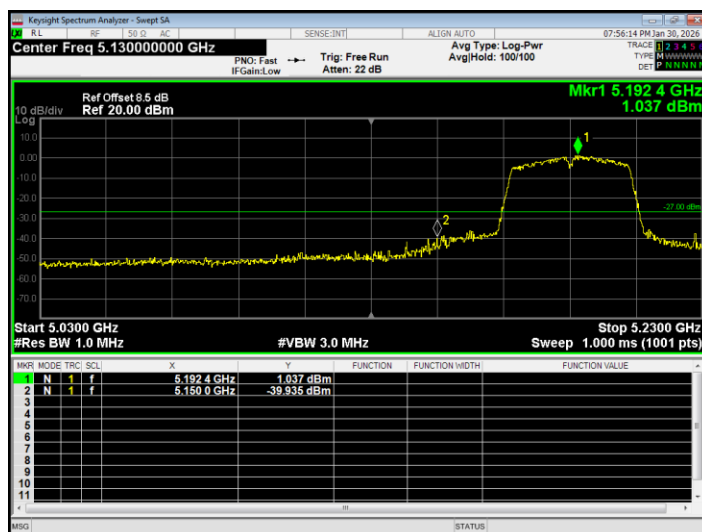
Band Edge NVNT ac20 5240MHz High Ant1



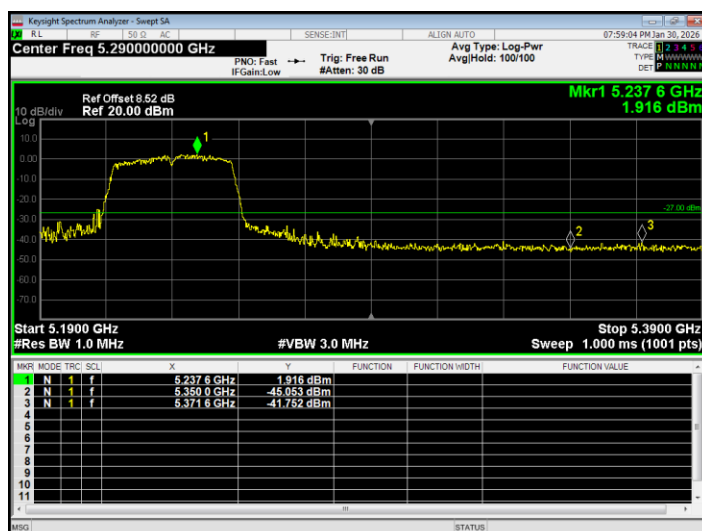


Shenzhen DL Testing Technology Co., Ltd.

Band Edge NVNT ac40 5190MHz Low Ant1



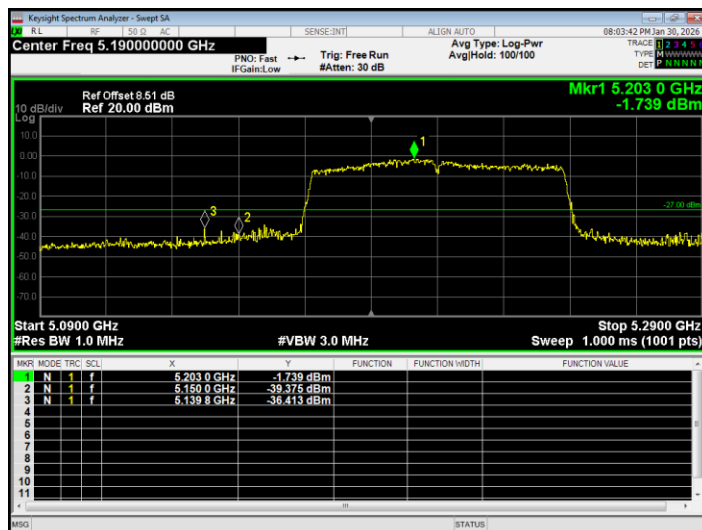
Band Edge NVNT ac40 5230MHz High Ant1



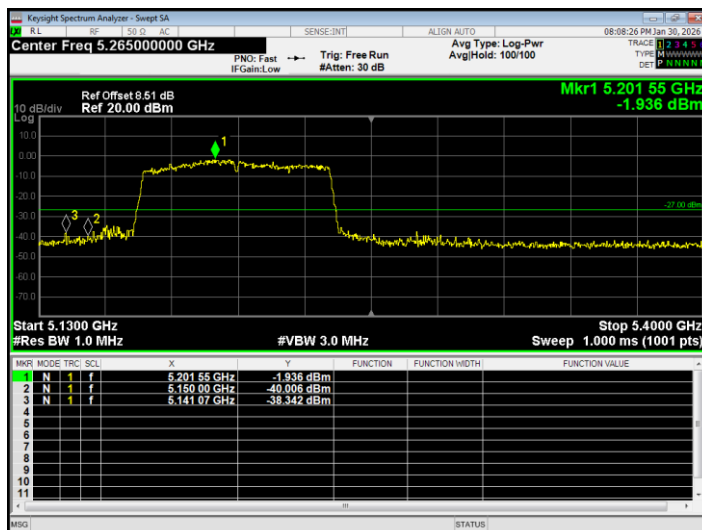


Shenzhen DL Testing Technology Co., Ltd.

Band Edge NVNT ac80 5210MHz Low Ant1



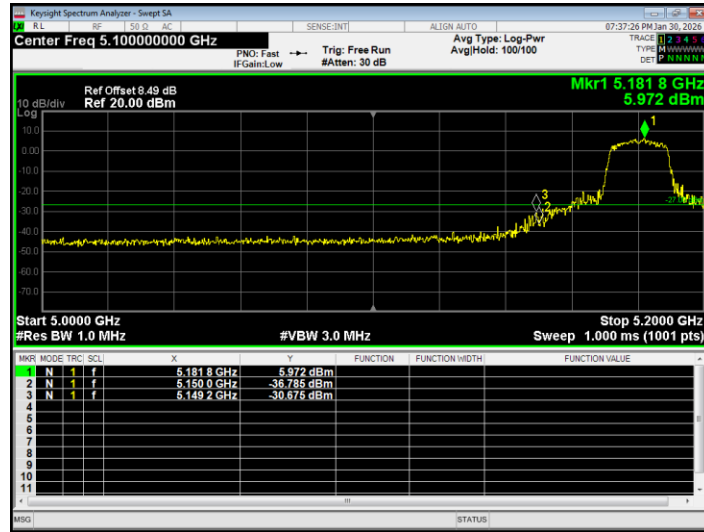
Band Edge NVNT ac80 5210MHz Low Ant1



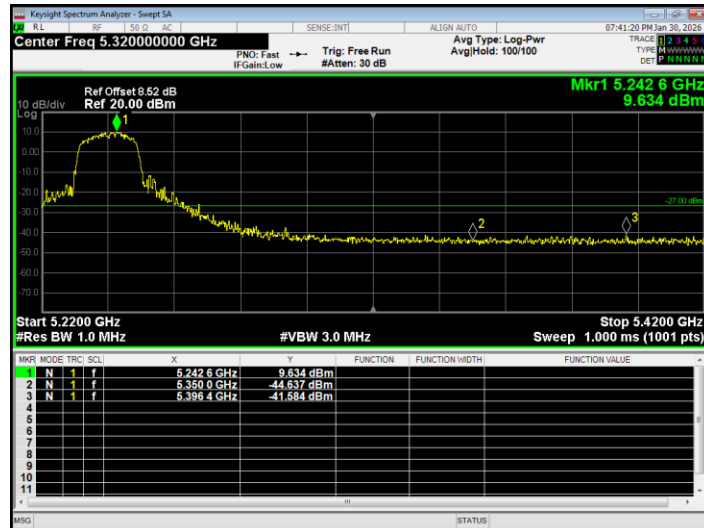


Shenzhen DL Testing Technology Co., Ltd.

Band Edge NVNT n20 5180MHz Low Ant1



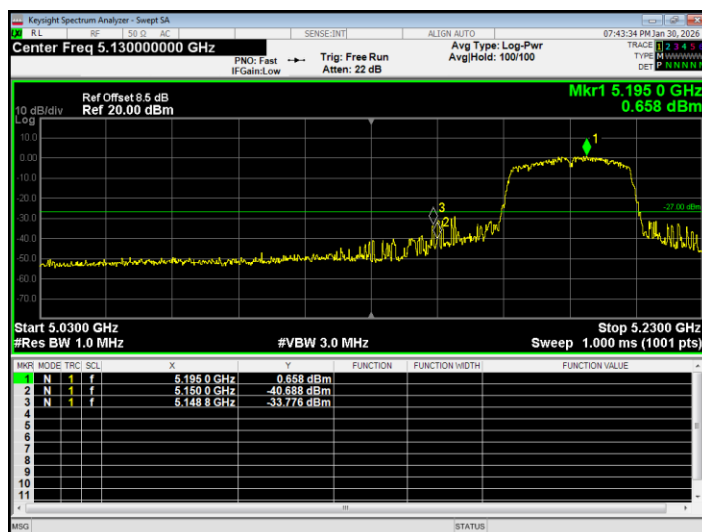
Band Edge NVNT n20 5240MHz High Ant1



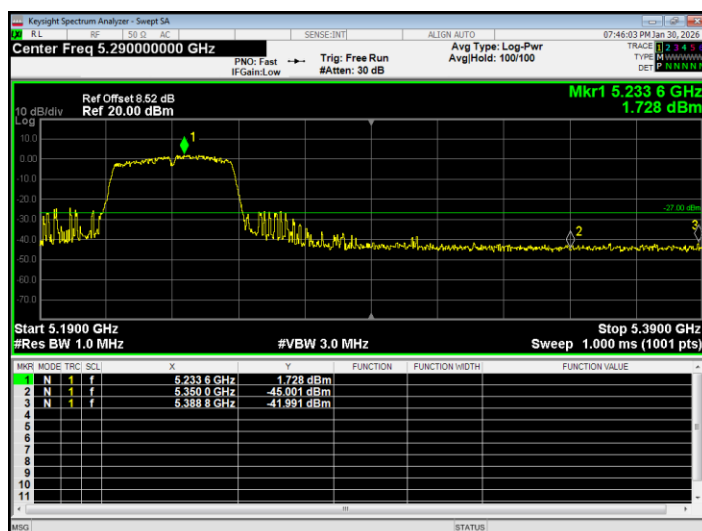


Shenzhen DL Testing Technology Co., Ltd.

Band Edge NVNT n40 5190MHz Low Ant1



Band Edge NVNT n40 5230MHz High Ant1





Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Output Power (dBm)	Duty Factor (dB)	Total Output Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	7.035	1.12	8.155	24	Pass
NVNT	a	5220	Ant1	8.707	1.12	9.827	24	Pass
NVNT	a	5240	Ant1	10.991	1.12	12.111	24	Pass
NVNT	ac20	5180	Ant1	8.528	0.16	8.688	24	Pass
NVNT	ac20	5220	Ant1	9.794	0.13	9.924	24	Pass
NVNT	ac20	5240	Ant1	12.417	0.13	12.547	24	Pass
NVNT	ac40	5190	Ant1	5.88	0.32	6.2	24	Pass
NVNT	ac40	5230	Ant1	7.316	0.26	7.576	24	Pass
NVNT	ac80	5210	Ant1	5.804	0.63	6.434	24	Pass
NVNT	n20	5180	Ant1	8.465	0.13	8.595	24	Pass
NVNT	n20	5220	Ant1	9.858	0.13	9.988	24	Pass
NVNT	n20	5240	Ant1	12.402	0.16	12.562	24	Pass
NVNT	n40	5190	Ant1	5.904	0.26	6.164	24	Pass
NVNT	n40	5230	Ant1	7.411	0.26	7.671	24	Pass



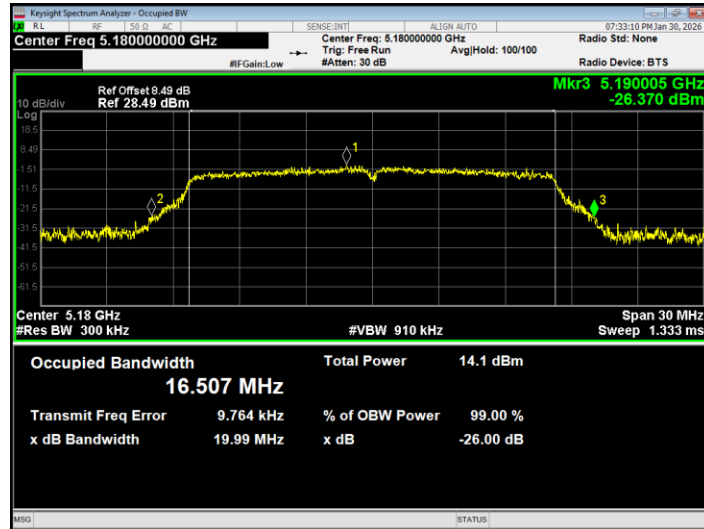
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.99	Pass
NVNT	a	5220	Ant1	20.15	Pass
NVNT	a	5240	Ant1	19.86	Pass
NVNT	ac20	5180	Ant1	24.95	Pass
NVNT	ac20	5220	Ant1	27.99	Pass
NVNT	ac20	5240	Ant1	22.63	Pass
NVNT	ac40	5190	Ant1	40.38	Pass
NVNT	ac40	5230	Ant1	41.23	Pass
NVNT	ac80	5210	Ant1	80.63	Pass
NVNT	n20	5180	Ant1	26.09	Pass
NVNT	n20	5220	Ant1	29.65	Pass
NVNT	n20	5240	Ant1	22.89	Pass
NVNT	n40	5190	Ant1	40.37	Pass
NVNT	n40	5230	Ant1	40.61	Pass

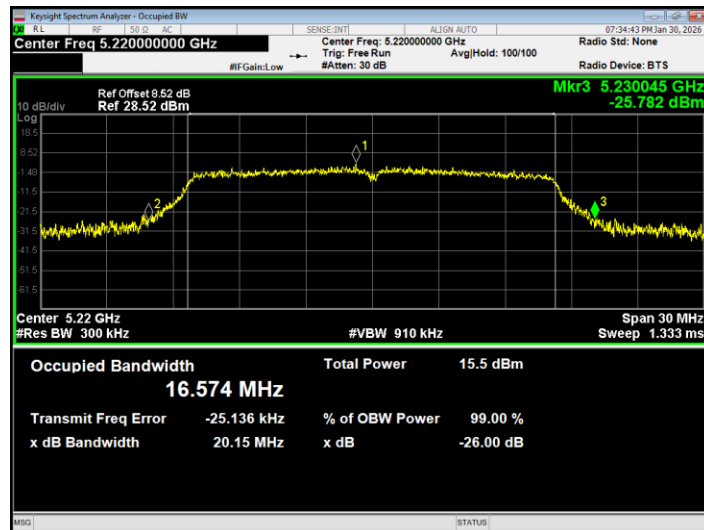


Shenzhen DL Testing Technology Co., Ltd.

-26dB Bandwidth NVNT a 5180MHz Ant1



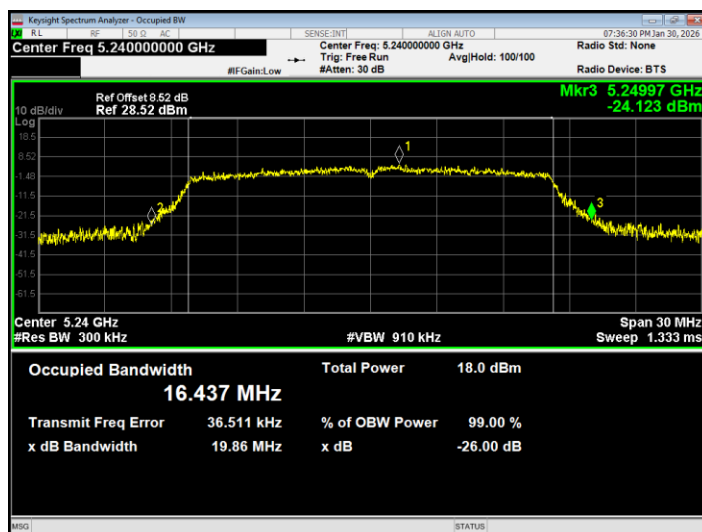
-26dB Bandwidth NVNT a 5220MHz Ant1



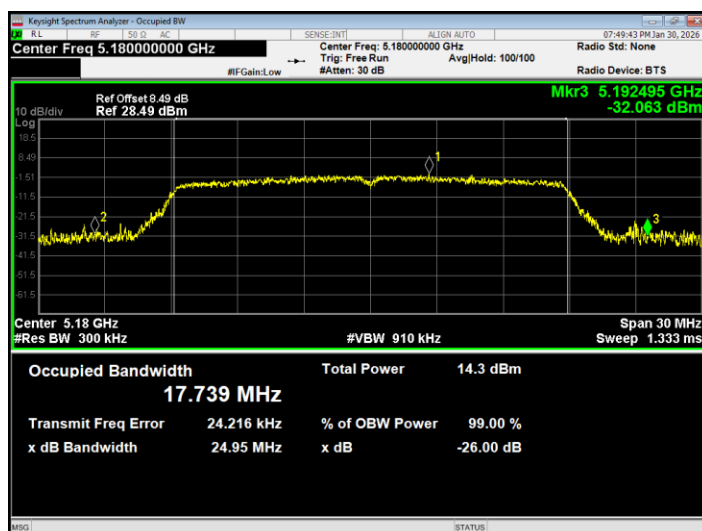


Shenzhen DL Testing Technology Co., Ltd.

-26dB Bandwidth NVNT a 5240MHz Ant1



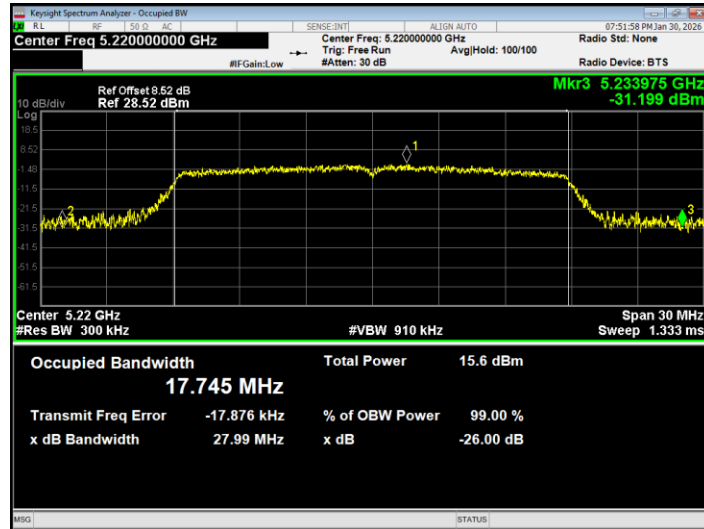
-26dB Bandwidth NVNT ac20 5180MHz Ant1



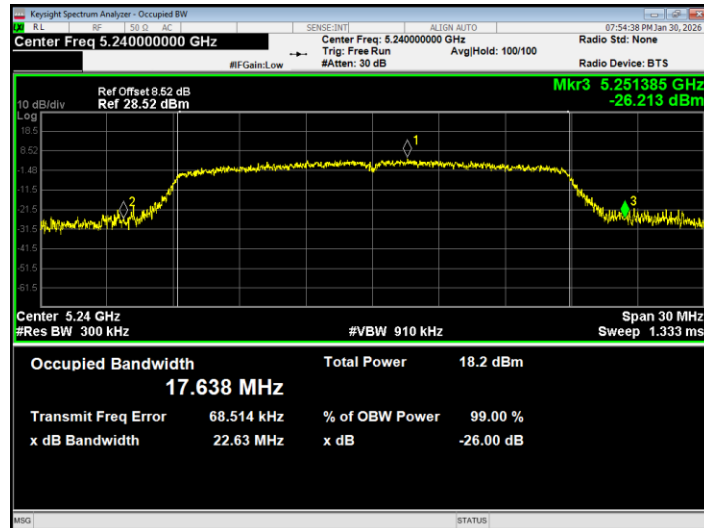


Shenzhen DL Testing Technology Co., Ltd.

-26dB Bandwidth NVNT ac20 5220MHz Ant1



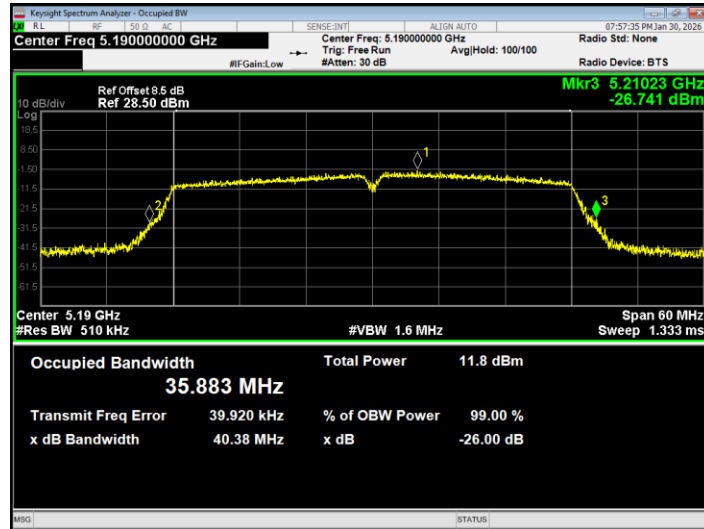
-26dB Bandwidth NVNT ac20 5240MHz Ant1



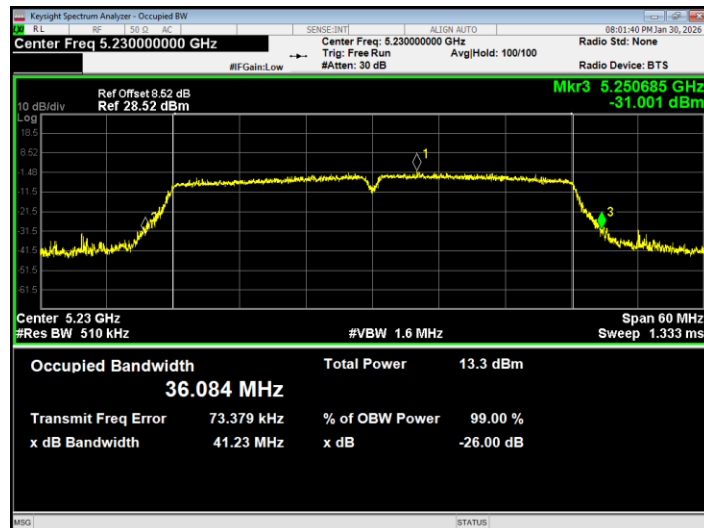


Shenzhen DL Testing Technology Co., Ltd.

-26dB Bandwidth NVNT ac40 5190MHz Ant1



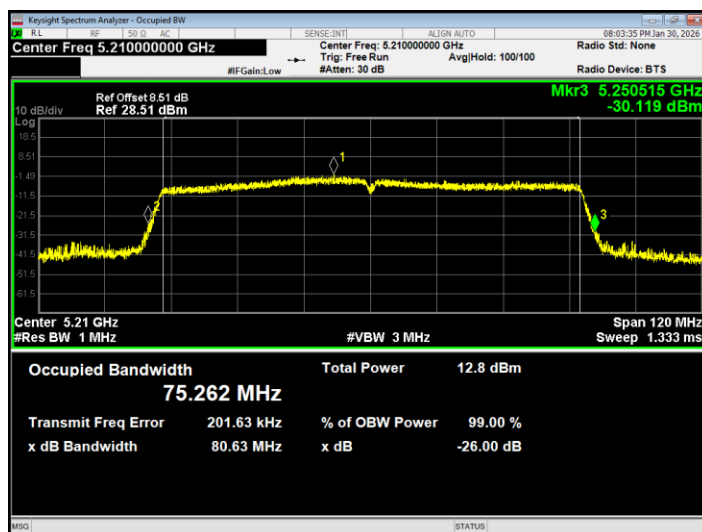
-26dB Bandwidth NVNT ac40 5230MHz Ant1



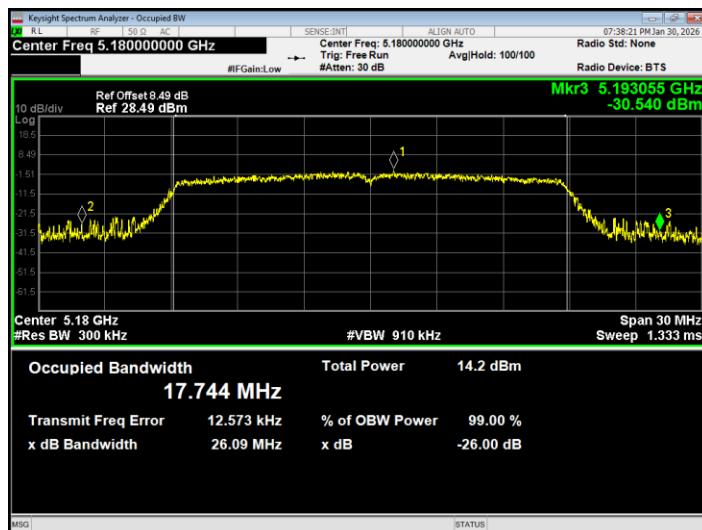


Shenzhen DL Testing Technology Co., Ltd.

-26dB Bandwidth NVNT ac80 5210MHz Ant1



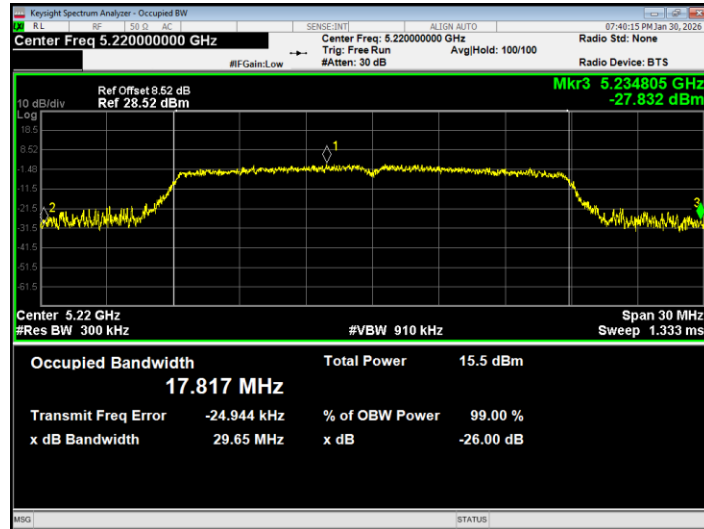
-26dB Bandwidth NVNT n20 5180MHz Ant1



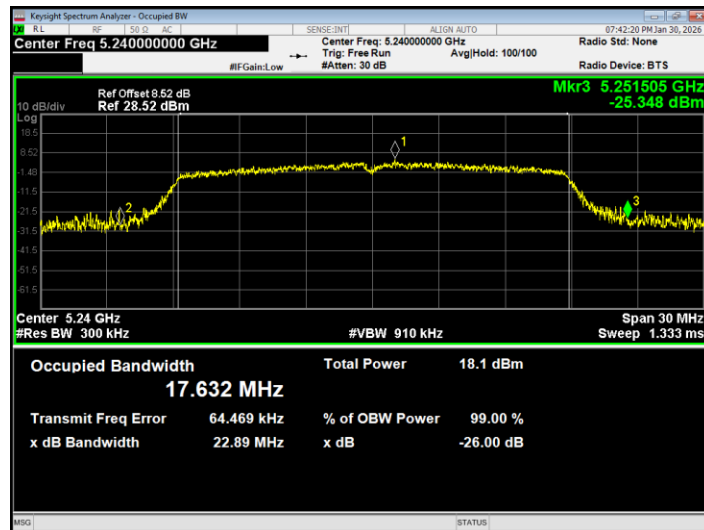


Shenzhen DL Testing Technology Co., Ltd.

-26dB Bandwidth NVNT n20 5220MHz Ant1



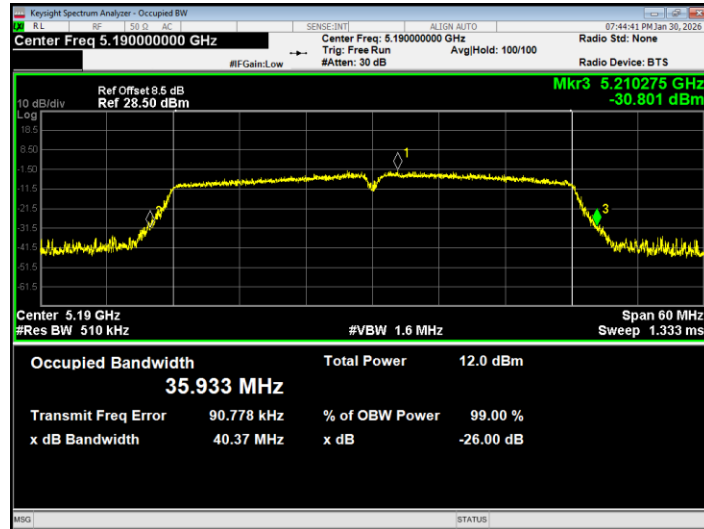
-26dB Bandwidth NVNT n20 5240MHz Ant1



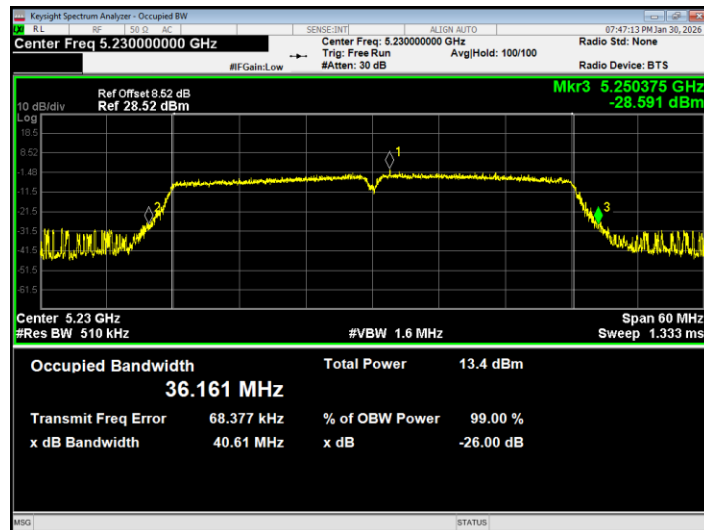


Shenzhen DL Testing Technology Co., Ltd.

-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1



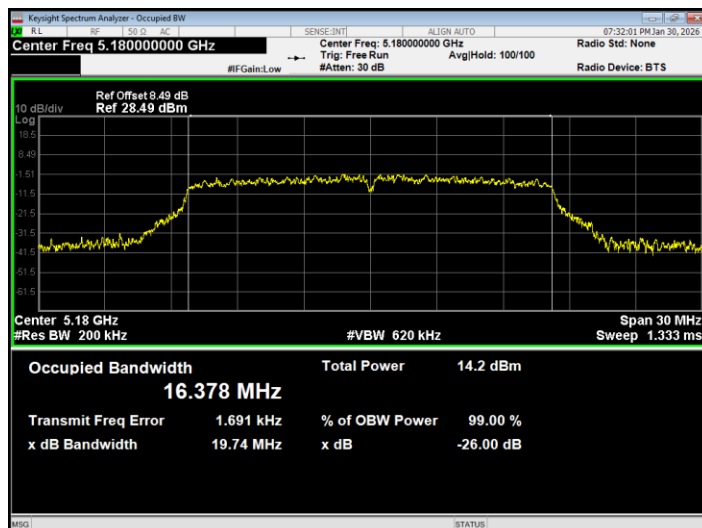


Occupied Channel Bandwidth

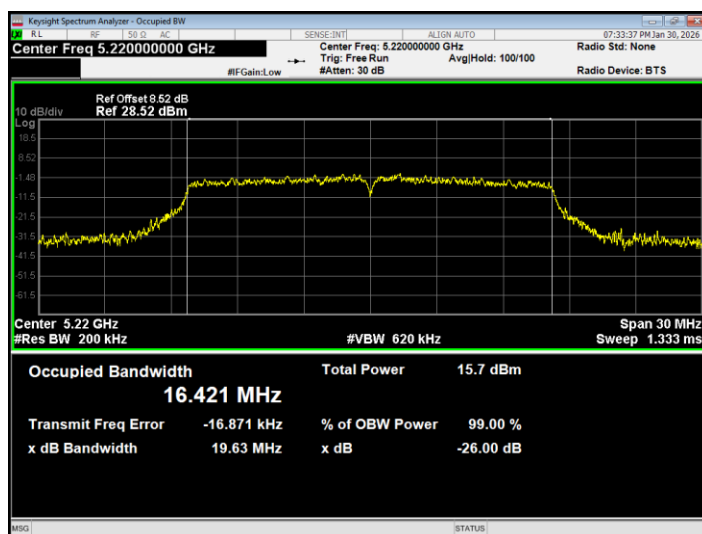
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.378
NVNT	a	5220	Ant1	16.421
NVNT	a	5240	Ant1	16.342
NVNT	ac20	5180	Ant1	17.626
NVNT	ac20	5220	Ant1	17.645
NVNT	ac20	5240	Ant1	17.507
NVNT	ac40	5190	Ant1	35.839
NVNT	ac40	5230	Ant1	36.092
NVNT	ac80	5210	Ant1	75.257
NVNT	n20	5180	Ant1	17.65
NVNT	n20	5220	Ant1	17.673
NVNT	n20	5240	Ant1	17.542
NVNT	n40	5190	Ant1	35.847
NVNT	n40	5230	Ant1	36.063



OBW NVNT a 5180MHz Ant1



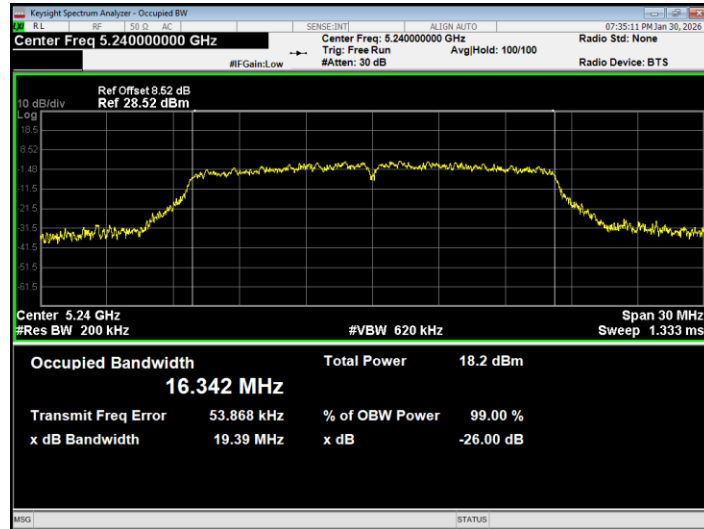
OBW NVNT a 5220MHz Ant1



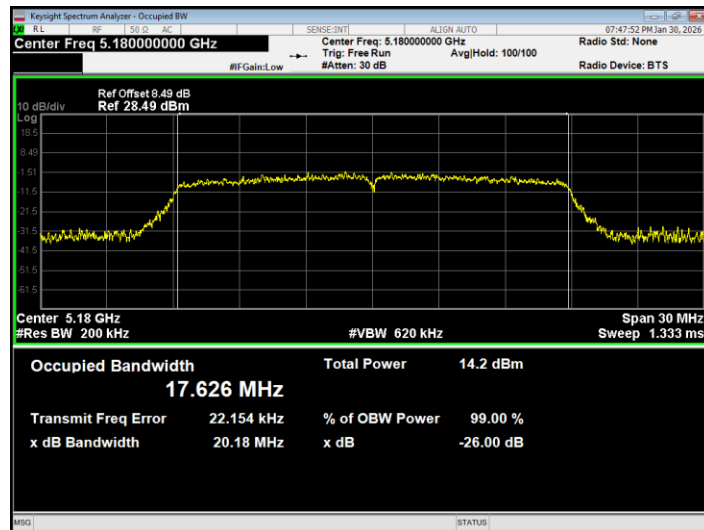


Shenzhen DL Testing Technology Co., Ltd.

OBW NVNT a 5240MHz Ant1



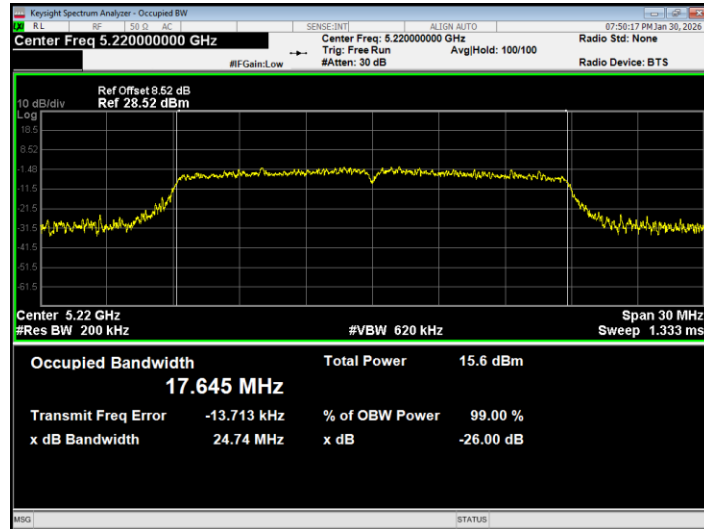
OBW NVNT ac20 5180MHz Ant1



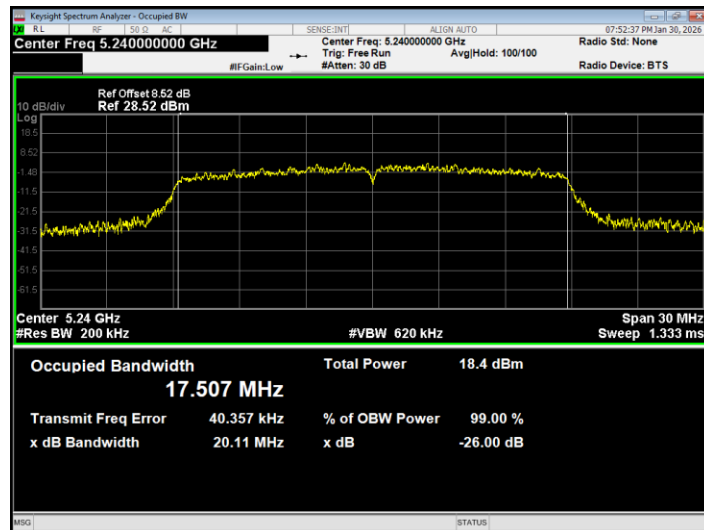


Shenzhen DL Testing Technology Co., Ltd.

OBW NVNT ac20 5220MHz Ant1



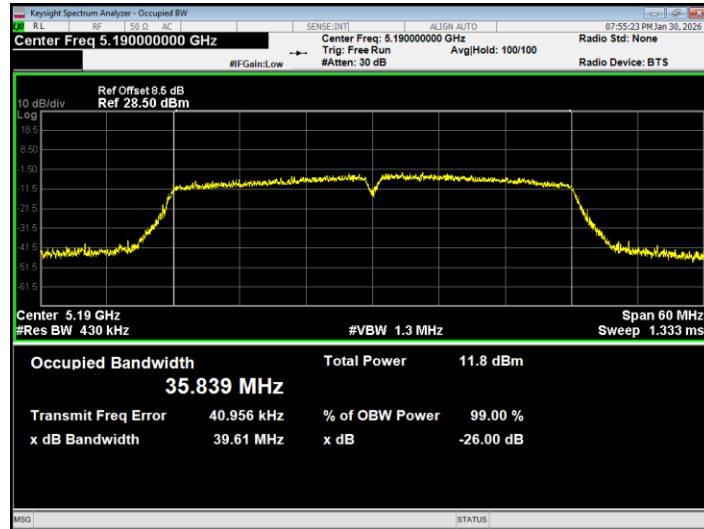
OBW NVNT ac20 5240MHz Ant1



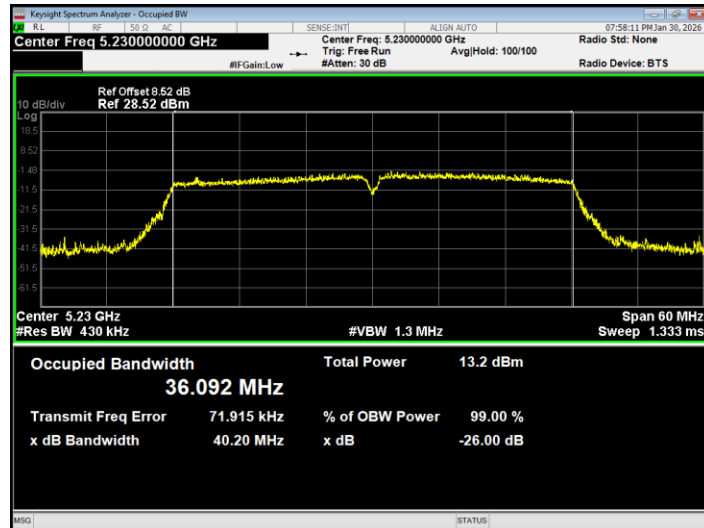


Shenzhen DL Testing Technology Co., Ltd.

OBW NVNT ac40 5190MHz Ant1



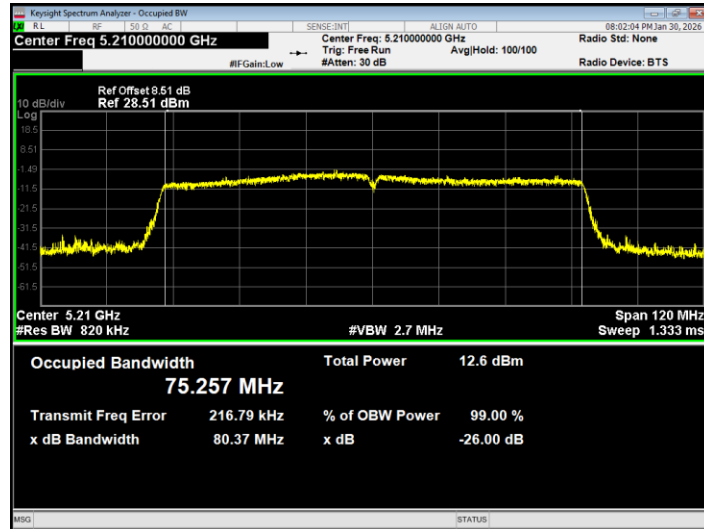
OBW NVNT ac40 5230MHz Ant1



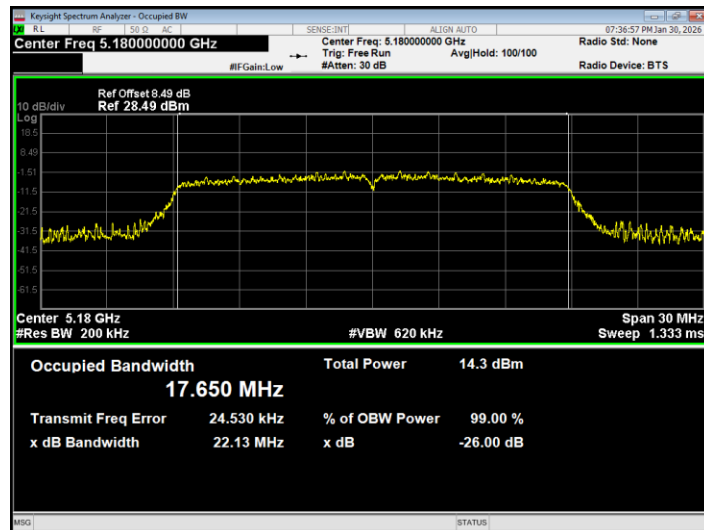


Shenzhen DL Testing Technology Co., Ltd.

OBW NVNT ac80 5210MHz Ant1



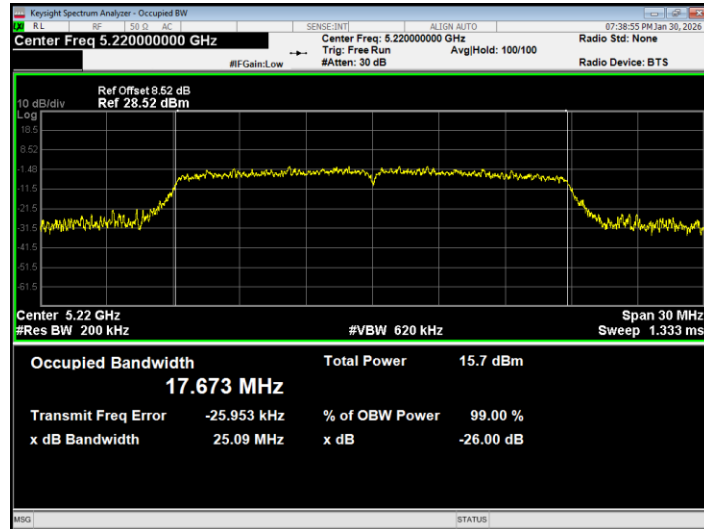
OBW NVNT n20 5180MHz Ant1



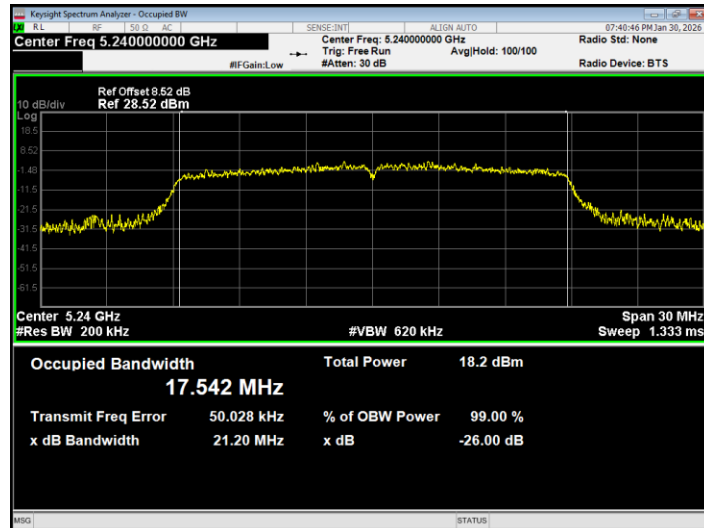


Shenzhen DL Testing Technology Co., Ltd.

OBW NVNT n20 5220MHz Ant1



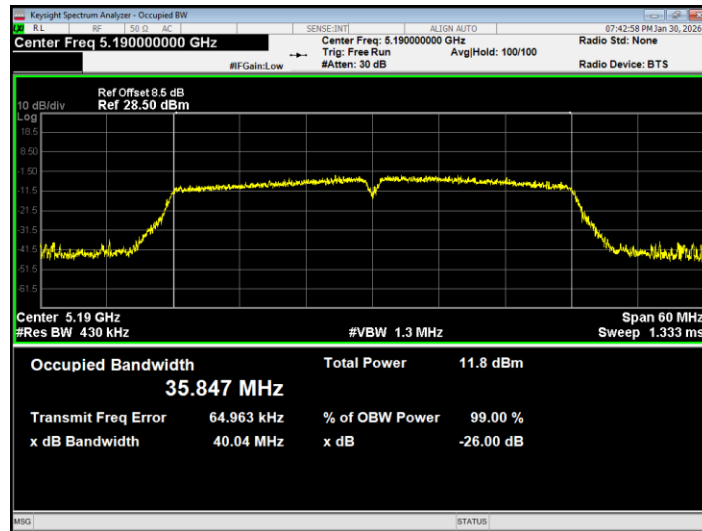
OBW NVNT n20 5240MHz Ant1



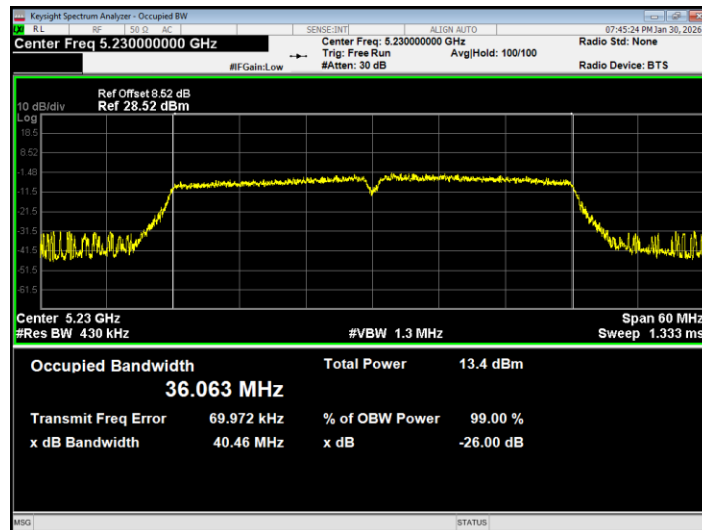


Shenzhen DL Testing Technology Co., Ltd.

OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1





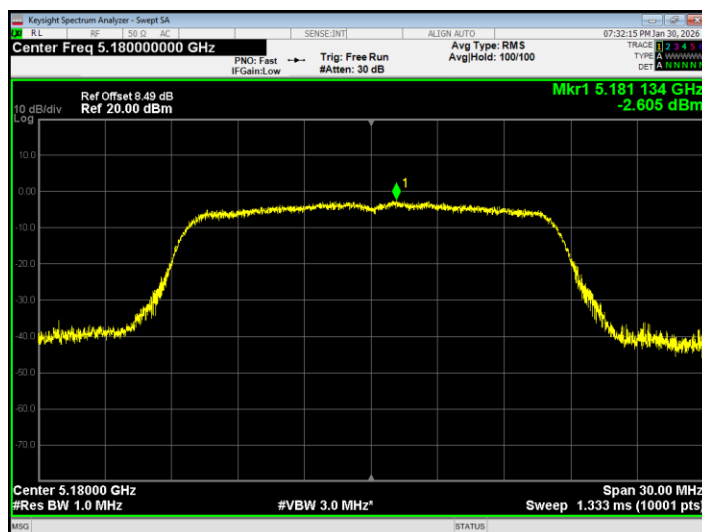
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-2.605	1.12	-1.485	11	Pass
NVNT	a	5220	Ant1	-0.866	1.12	0.254	11	Pass
NVNT	a	5240	Ant1	1.935	1.12	3.055	11	Pass
NVNT	ac20	5180	Ant1	-1.169	0.16	-1.009	11	Pass
NVNT	ac20	5220	Ant1	0.027	0.13	0.157	11	Pass
NVNT	ac20	5240	Ant1	2.806	0.13	2.936	11	Pass
NVNT	ac40	5190	Ant1	-6.595	0.32	-6.275	11	Pass
NVNT	ac40	5230	Ant1	-5.431	0.26	-5.171	11	Pass
NVNT	ac80	5210	Ant1	-9.405	0.63	-8.775	11	Pass
NVNT	n20	5180	Ant1	-1.505	0.13	-1.375	11	Pass
NVNT	n20	5220	Ant1	0.003	0.13	0.133	11	Pass
NVNT	n20	5240	Ant1	2.885	0.16	3.045	11	Pass
NVNT	n40	5190	Ant1	-6.518	0.26	-6.258	11	Pass
NVNT	n40	5230	Ant1	-5.35	0.26	-5.09	11	Pass

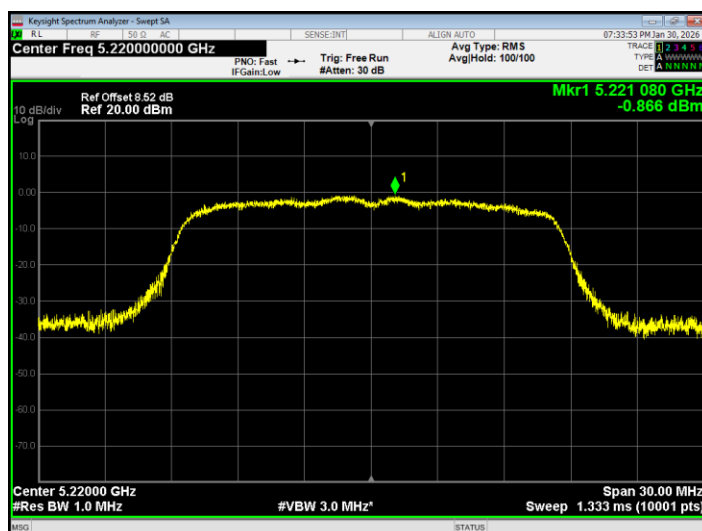


Shenzhen DL Testing Technology Co., Ltd.

PSD NVNT a 5180MHz Ant1



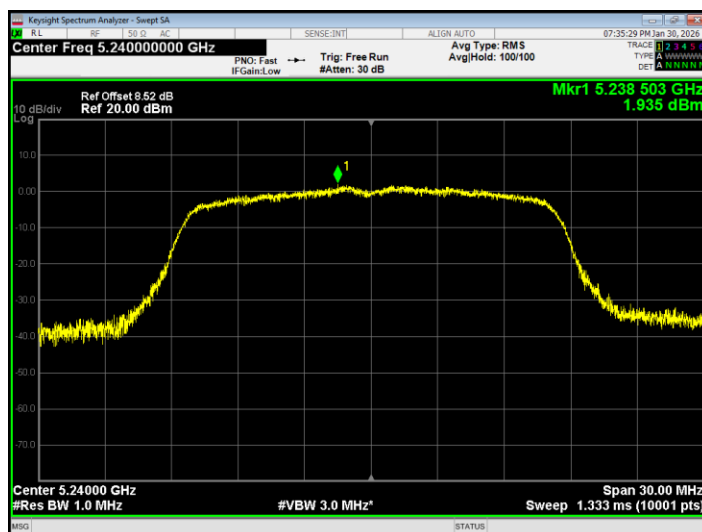
PSD NVNT a 5220MHz Ant1



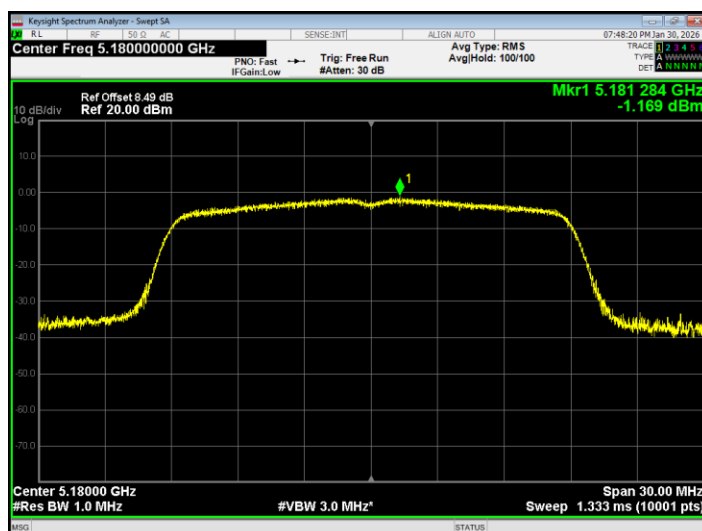


Shenzhen DL Testing Technology Co., Ltd.

PSD NVNT a 5240MHz Ant1



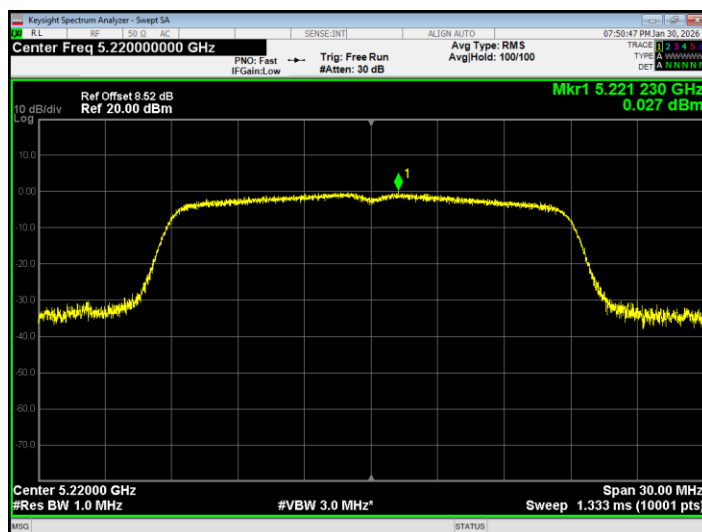
PSD NVNT ac20 5180MHz Ant1



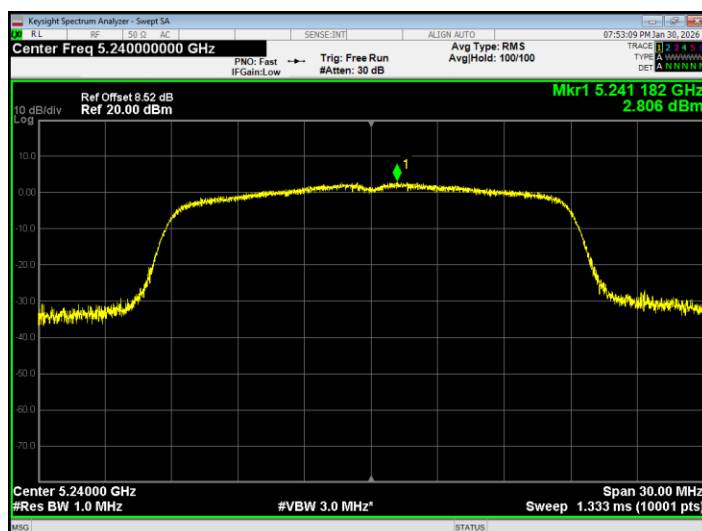


Shenzhen DL Testing Technology Co., Ltd.

PSD NVNT ac20 5220MHz Ant1



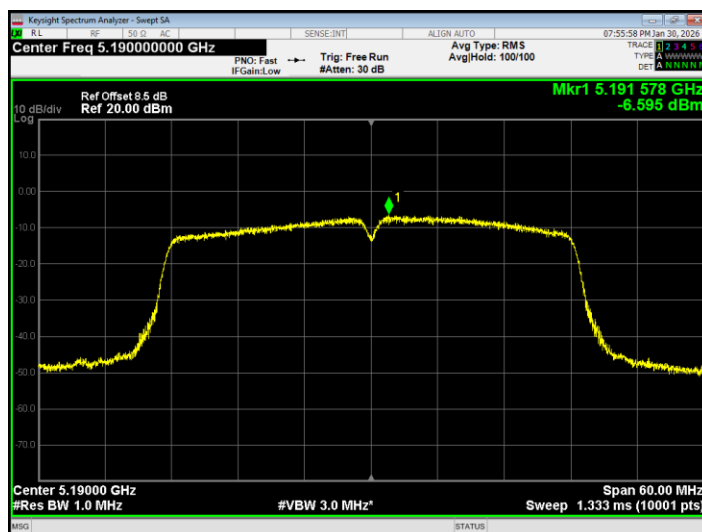
PSD NVNT ac20 5240MHz Ant1





Shenzhen DL Testing Technology Co., Ltd.

PSD NVNT ac40 5190MHz Ant1



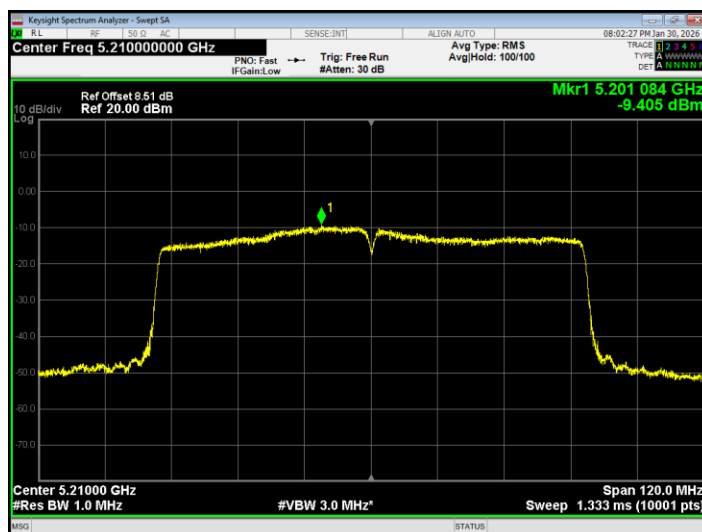
PSD NVNT ac40 5230MHz Ant1



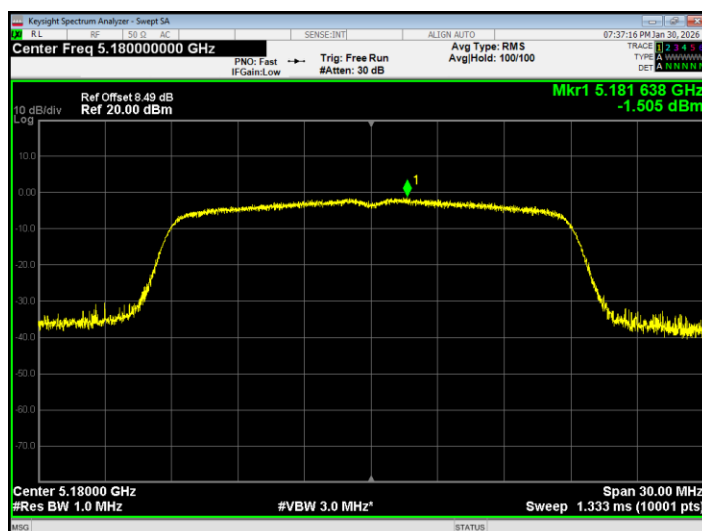


Shenzhen DL Testing Technology Co., Ltd.

PSD NVNT ac80 5210MHz Ant1



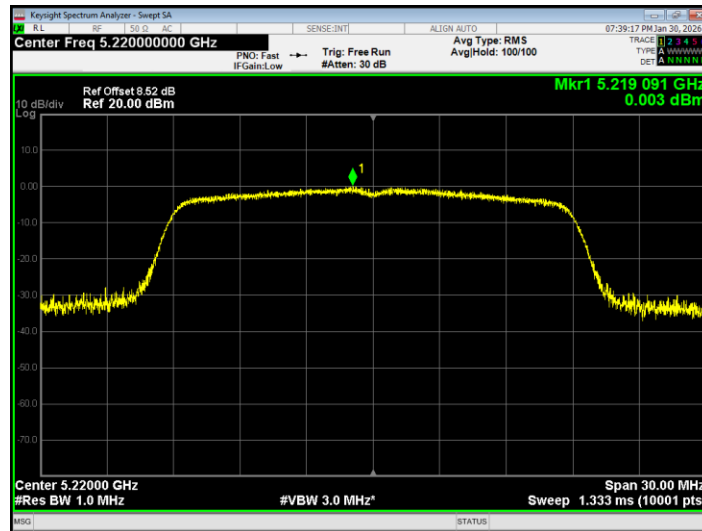
PSD NVNT n20 5180MHz Ant1



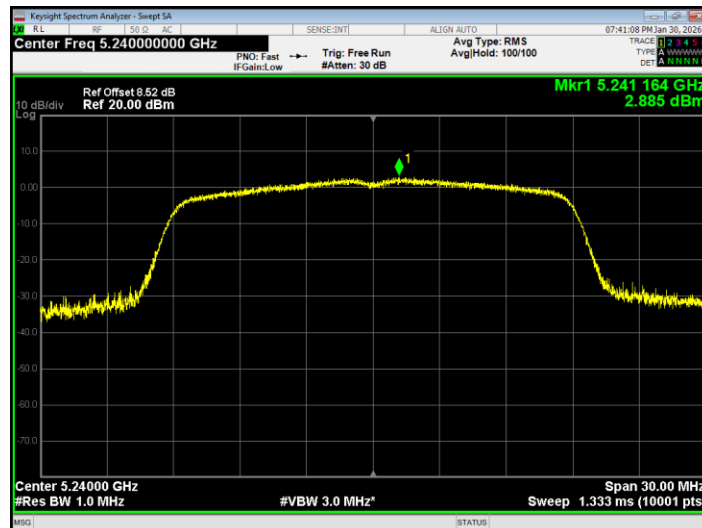


Shenzhen DL Testing Technology Co., Ltd.

PSD NVNT n20 5220MHz Ant1



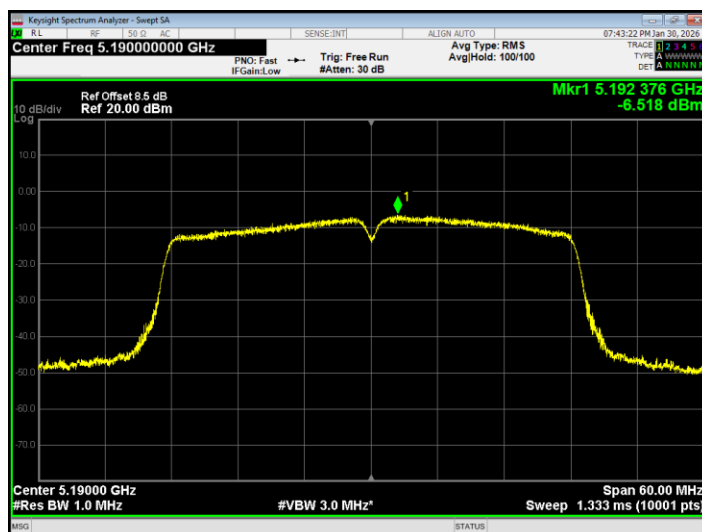
PSD NVNT n20 5240MHz Ant1





Shenzhen DL Testing Technology Co., Ltd.

PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

