



Shenzhen DL Testing Technology Co., Ltd.

Appendix 1

FCC Test Report

FCC ID: 2ACHB-LS600

Applicant:	ComNav Technology Ltd.
Address:	Building 2, No.618 Chengliu Middle Rd. Shanghai, China
Manufacturer:	ComNav Technology Ltd.
Address:	Building 2, No.618 Chengliu Middle Rd. Shanghai, China
EUT:	Surveying System
Trade Mark:	N/A
Model Number:	LS600
Date of Receipt:	Oct. 09, 2025
Test Date:	Oct. 09, 2025 - Oct. 29, 2025
Date of Report:	Oct. 29, 2025
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



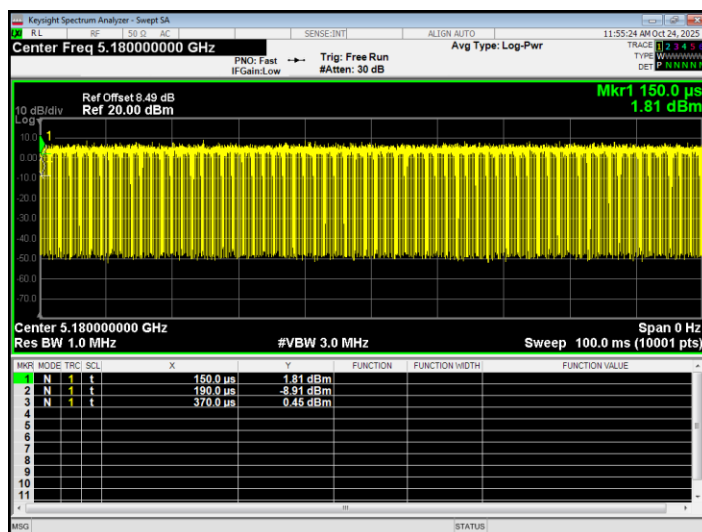
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	81.82	0.87
NVNT	a	5220	Ant1	81.82	0.87
NVNT	a	5240	Ant1	81.82	0.87
NVNT	ac20	5180	Ant1	97.04	0.13
NVNT	ac20	5220	Ant1	97.06	0.13
NVNT	ac20	5240	Ant1	97.04	0.13
NVNT	ac40	5190	Ant1	94.2	0.26
NVNT	ac40	5230	Ant1	94.29	0.26
NVNT	ac80	5210	Ant1	89.19	0.5
NVNT	n20	5180	Ant1	97.01	0.13
NVNT	n20	5220	Ant1	96.3	0.16
NVNT	n20	5240	Ant1	97.01	0.13
NVNT	n40	5190	Ant1	92.86	0.32
NVNT	n40	5230	Ant1	94.2	0.26

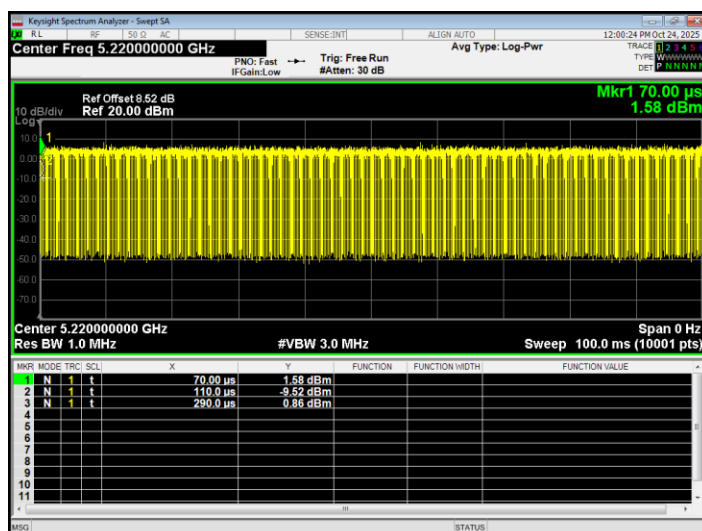


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Duty Cycle NVNT a 5180MHz Ant1



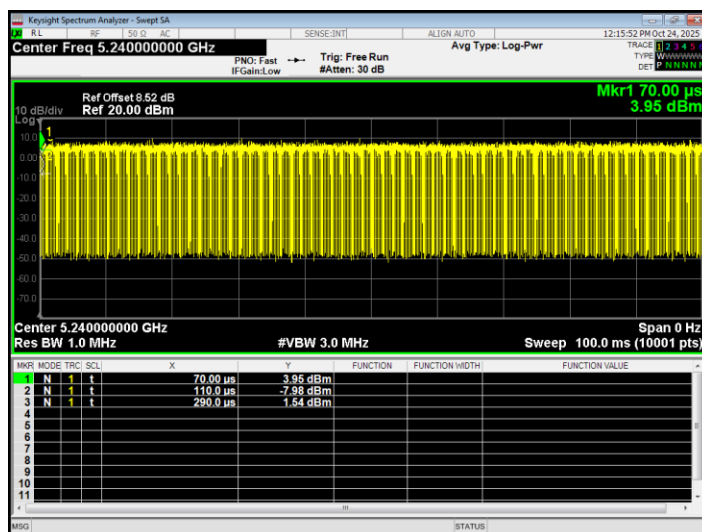
Duty Cycle NVNT a 5220MHz Ant1



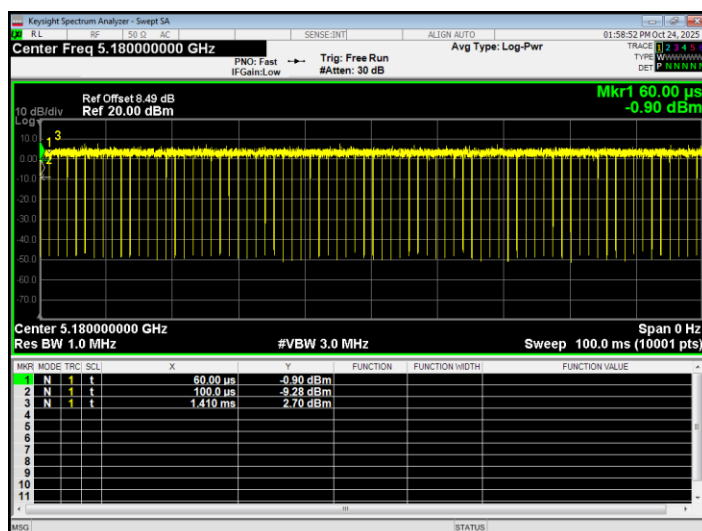


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Duty Cycle NVNT a 5240MHz Ant1



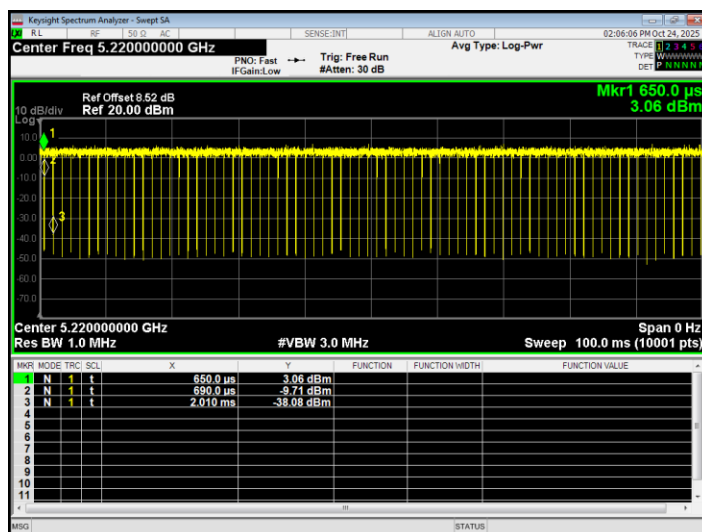
Duty Cycle NVNT ac20 5180MHz Ant1



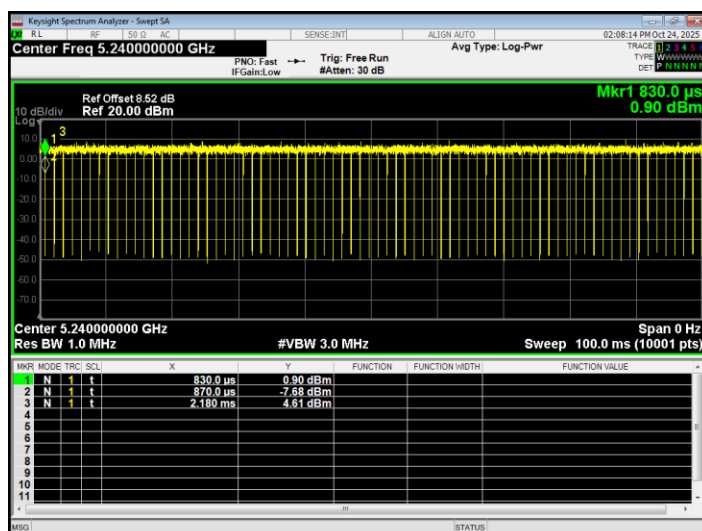


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Duty Cycle NVNT ac20 5220MHz Ant1



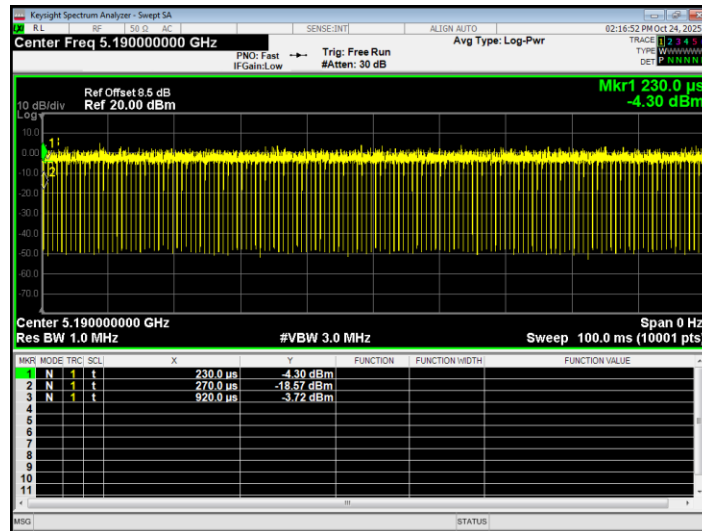
Duty Cycle NVNT ac20 5240MHz Ant1



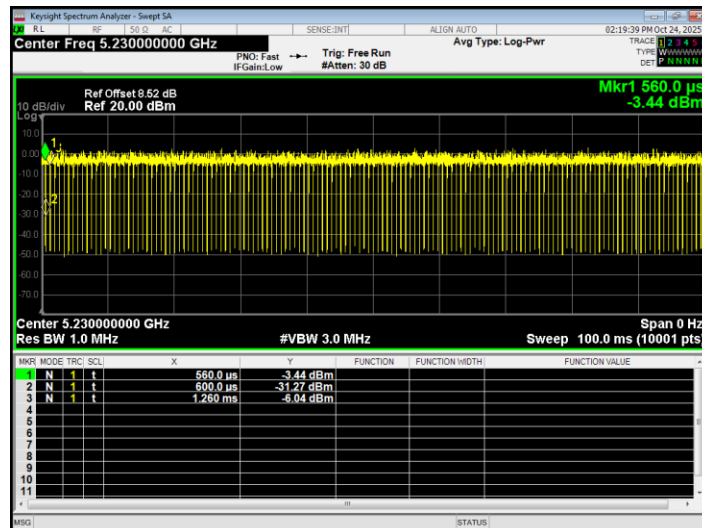


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Duty Cycle NVNT ac40 5190MHz Ant1



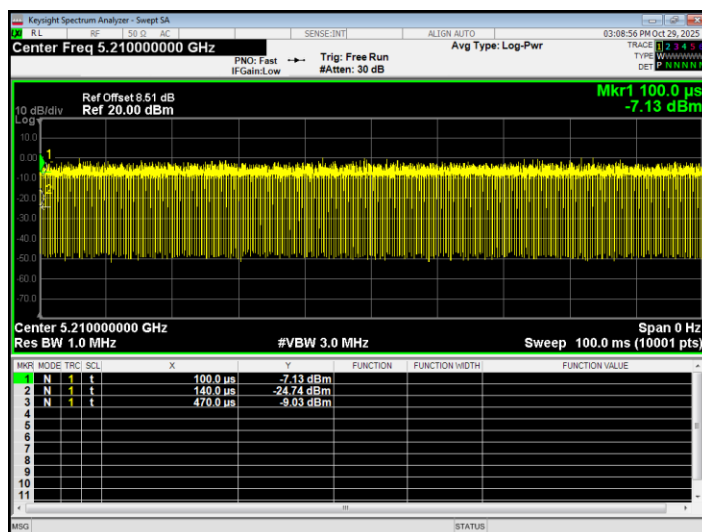
Duty Cycle NVNT ac40 5230MHz Ant1



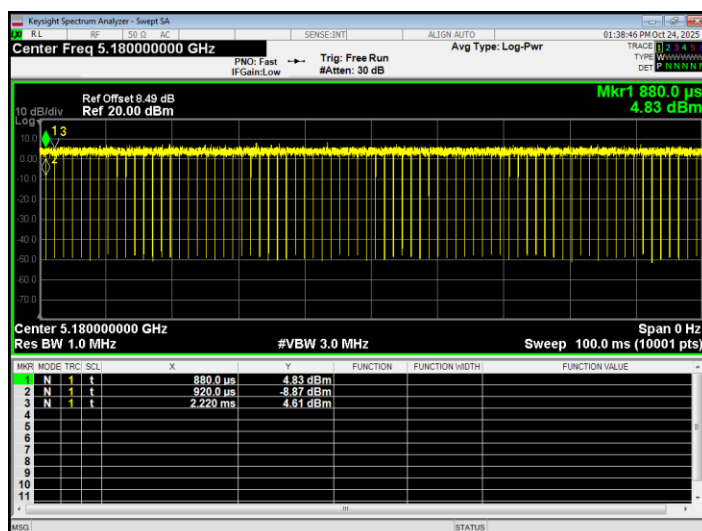


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Duty Cycle NVNT ac80 5210MHz Ant1



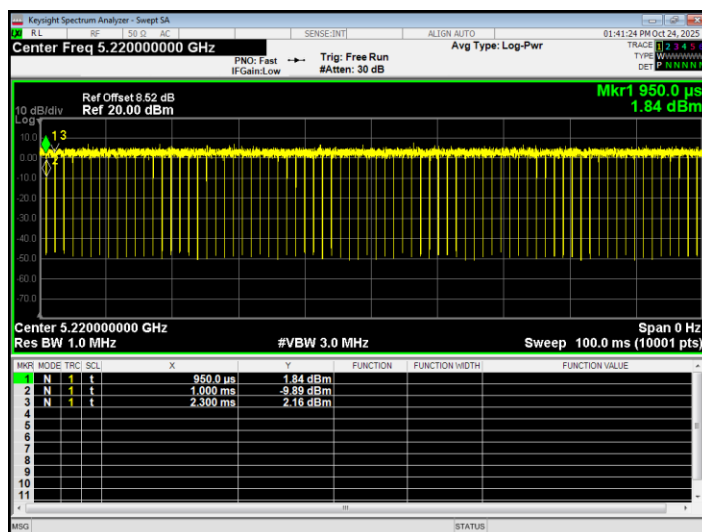
Duty Cycle NVNT n20 5180MHz Ant1



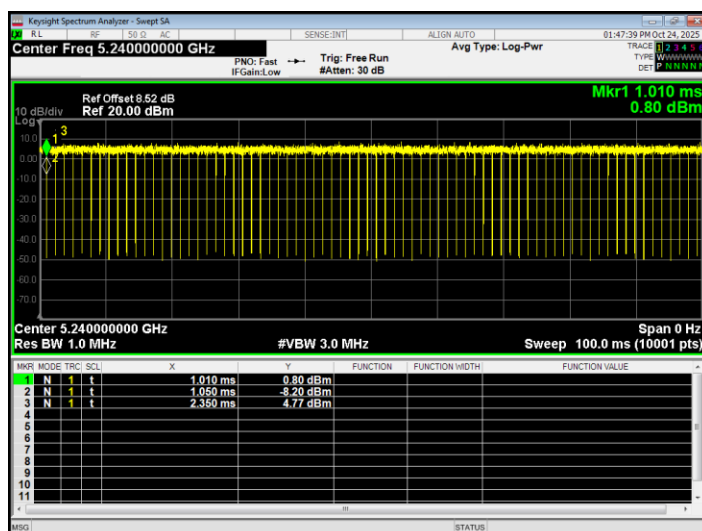


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Duty Cycle NVNT n20 5220MHz Ant1



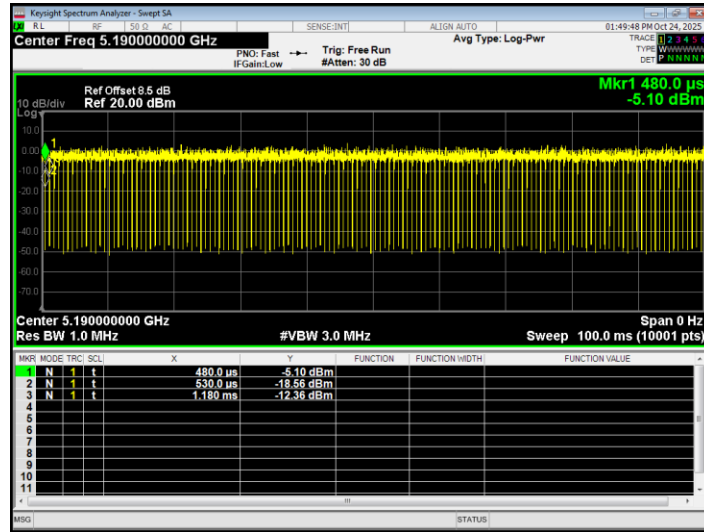
Duty Cycle NVNT n20 5240MHz Ant1



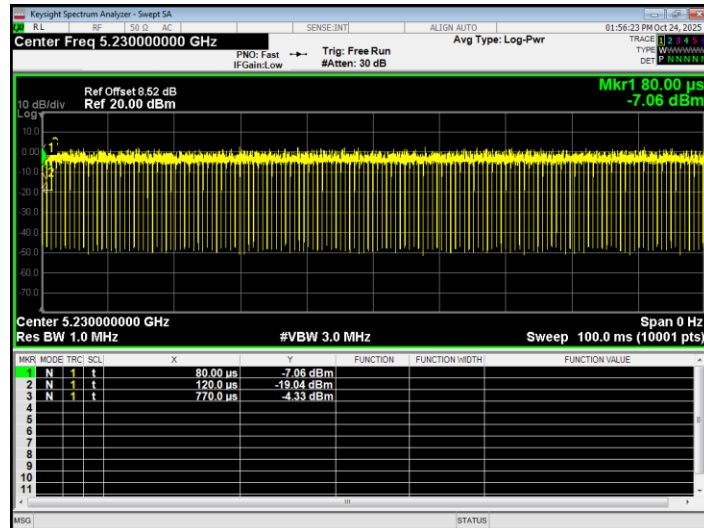


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Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1





Conducted Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-35.88	-27	Pass
NVNT	a	5240	Ant1	-41.69	-27	Pass
NVNT	ac20	5180	Ant1	-38.07	-27	Pass
NVNT	ac20	5240	Ant1	-42	-27	Pass
NVNT	ac40	5190	Ant1	-33.06	-27	Pass
NVNT	ac40	5230	Ant1	-41.22	-27	Pass
NVNT	ac80	5210	Ant1	-30.66	-27	Pass
NVNT	n20	5180	Ant1	-32.5	-27	Pass
NVNT	n20	5240	Ant1	-41.55	-27	Pass
NVNT	n40	5190	Ant1	-36.07	-27	Pass
NVNT	n40	5230	Ant1	-42.18	-27	Pass

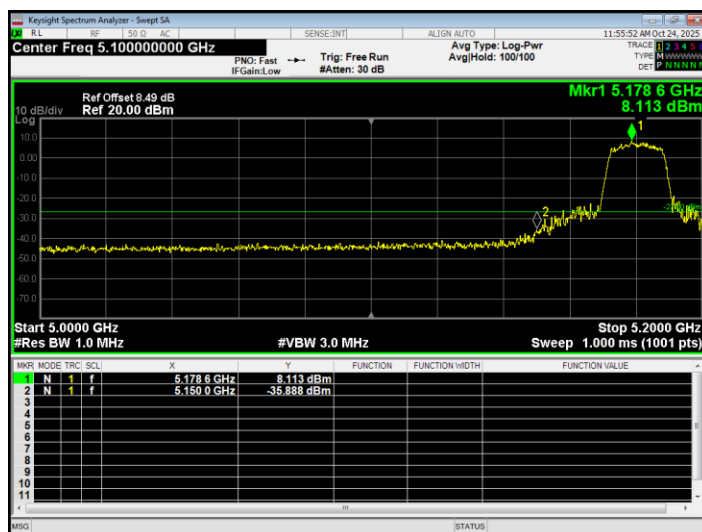
Note: The antenna gain is compensated in the test data.

The ANT 1&ANT 2 both has 3dB margin below the limit, so the MIMo mode is passed.

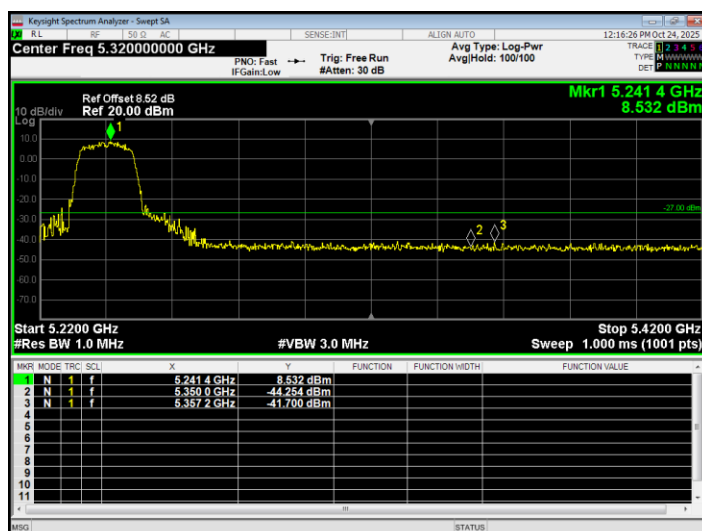


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Band Edge NVNT a 5180MHz Low Ant1



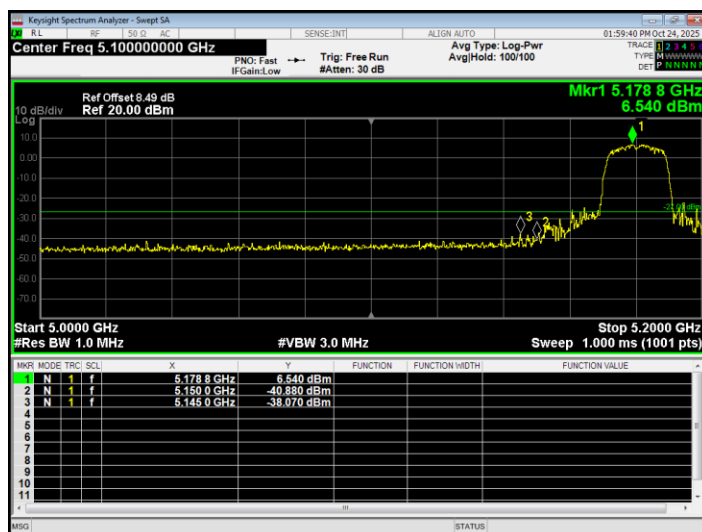
Band Edge NVNT a 5240MHz High Ant1



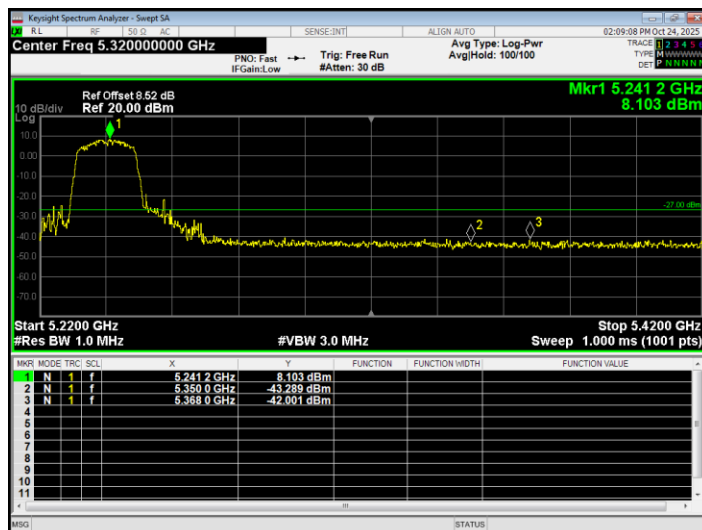


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Band Edge NVNT ac20 5180MHz Low Ant1



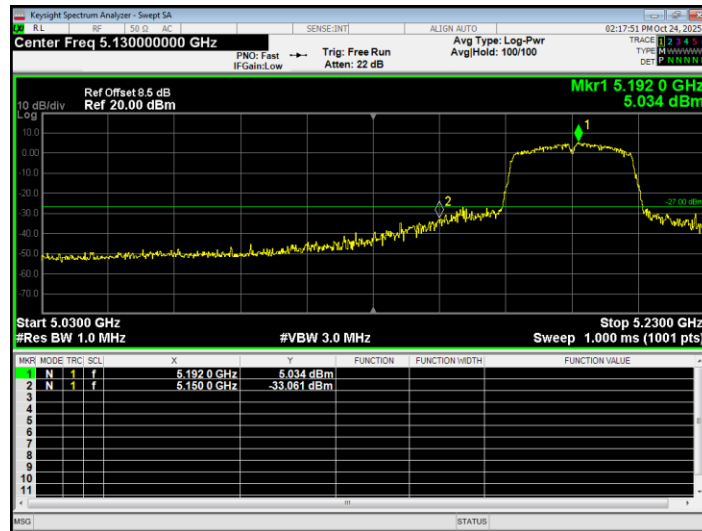
Band Edge NVNT ac20 5240MHz High Ant1



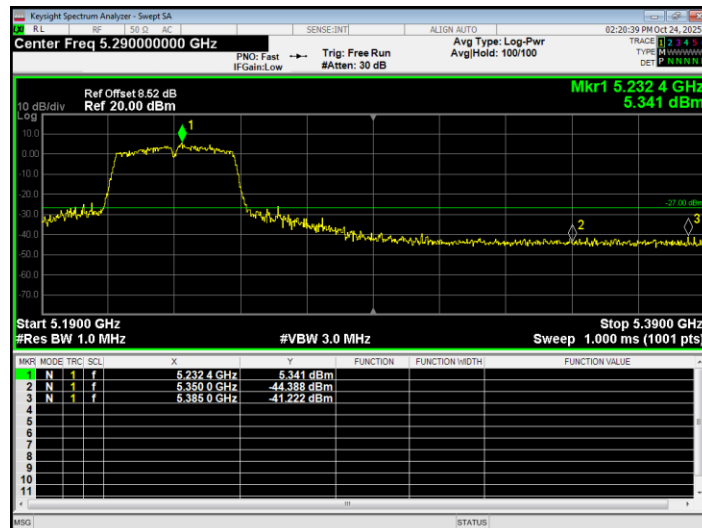


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Band Edge NVNT ac40 5190MHz Low Ant1



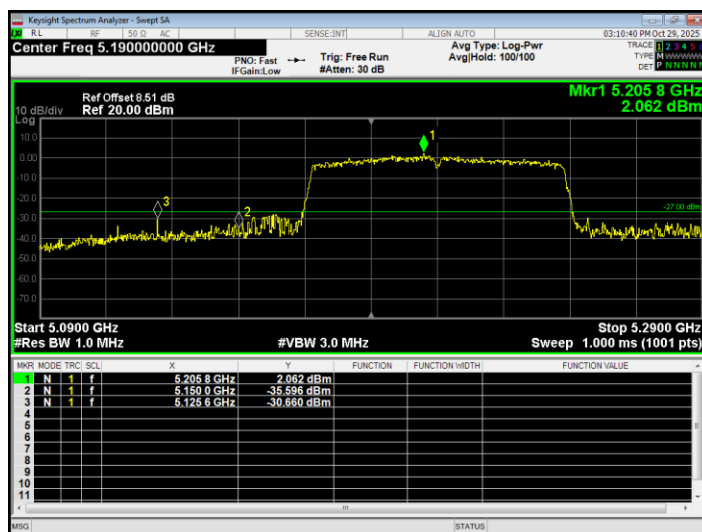
Band Edge NVNT ac40 5230MHz High Ant1



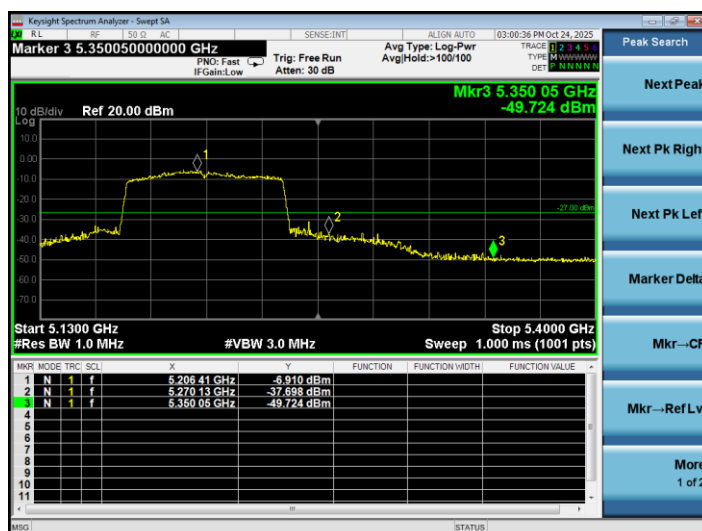


Shenzhen DL Testing Technology Co., Ltd.

Band Edge NVNT ac80 5210MHz Low Ant1



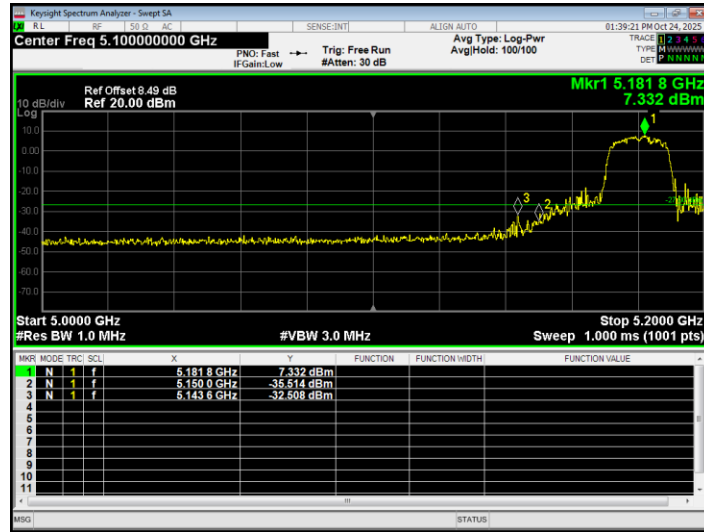
Band Edge NVNT ac80 5210MHz Low Ant1



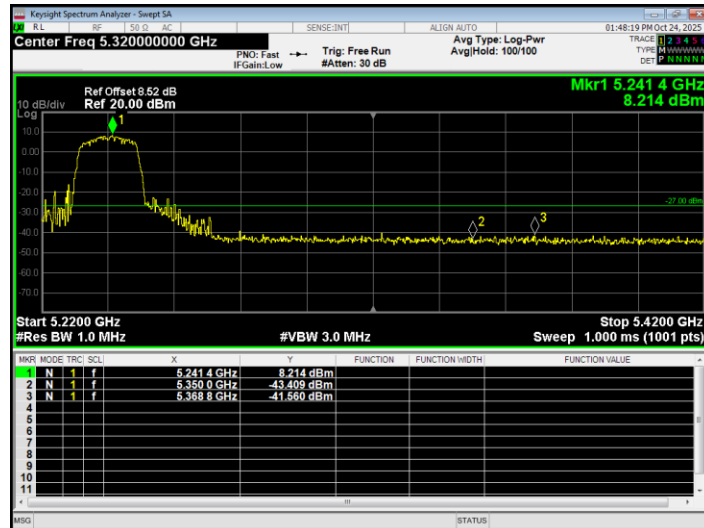


Shenzhen DL Testing Technology Co., Ltd.

Band Edge NVNT n20 5180MHz Low Ant1



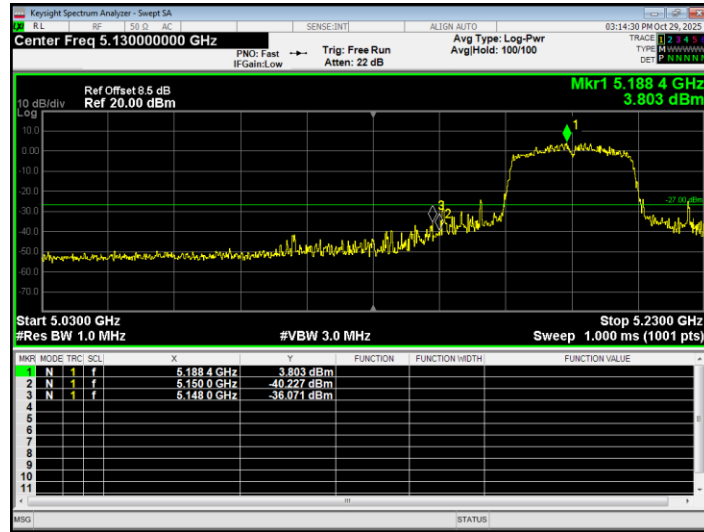
Band Edge NVNT n20 5240MHz High Ant1



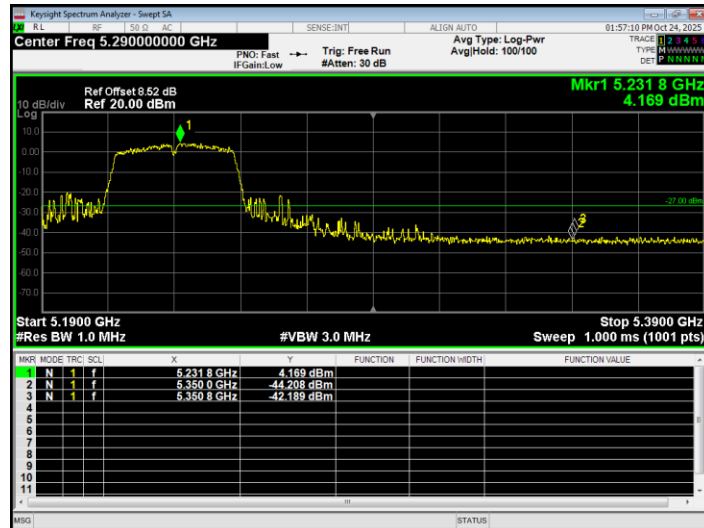


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Band Edge NVNT n40 5190MHz Low Ant1



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	8.976	0.87	9.846	24	Pass
NVNT	a	5220	Ant1	8.116	0.87	8.986	24	Pass
NVNT	a	5240	Ant1	10.033	0.87	10.903	24	Pass
NVNT	ac20	5180	Ant1	9.279	0.13	9.409	24	Pass
NVNT	ac20	5220	Ant1	9.272	0.13	9.402	24	Pass
NVNT	ac20	5240	Ant1	10.974	0.13	11.104	24	Pass
NVNT	ac40	5190	Ant1	10.019	0.26	10.279	24	Pass
NVNT	ac40	5230	Ant1	9.846	0.26	10.106	24	Pass
NVNT	ac80	5210	Ant1	9.014	0.5	9.514	24	Pass
NVNT	n20	5180	Ant1	9.914	0.13	10.044	24	Pass
NVNT	n20	5220	Ant1	8.945	0.16	9.105	24	Pass
NVNT	n20	5240	Ant1	10.789	0.13	10.919	24	Pass
NVNT	n40	5190	Ant1	9.859	0.32	10.179	24	Pass
NVNT	n40	5230	Ant1	9.712	0.26	9.972	24	Pass



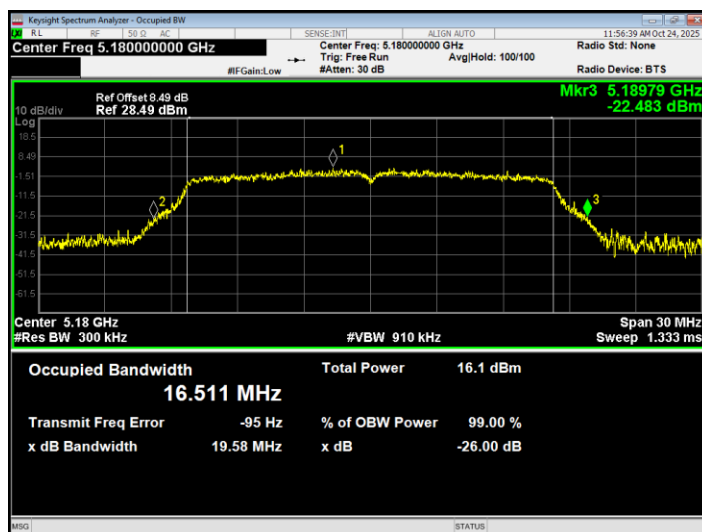
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.58	Pass
NVNT	a	5220	Ant1	19.75	Pass
NVNT	a	5240	Ant1	19.64	Pass
NVNT	ac20	5180	Ant1	20.57	Pass
NVNT	ac20	5220	Ant1	20.41	Pass
NVNT	ac20	5240	Ant1	20.17	Pass
NVNT	ac40	5190	Ant1	40.4	Pass
NVNT	ac40	5230	Ant1	40.48	Pass
NVNT	ac80	5210	Ant1	80.74	Pass
NVNT	n20	5180	Ant1	21.34	Pass
NVNT	n20	5220	Ant1	20.51	Pass
NVNT	n20	5240	Ant1	20.3	Pass
NVNT	n40	5190	Ant1	40.57	Pass
NVNT	n40	5230	Ant1	40.8	Pass

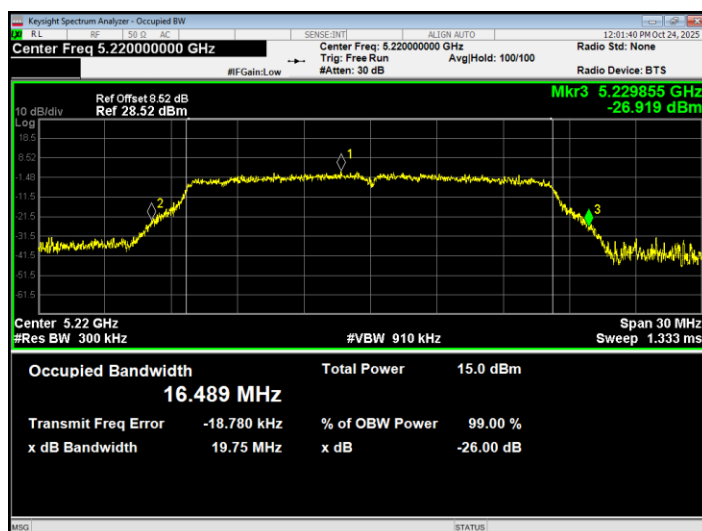


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-26dB Bandwidth NVNT a 5180MHz Ant1



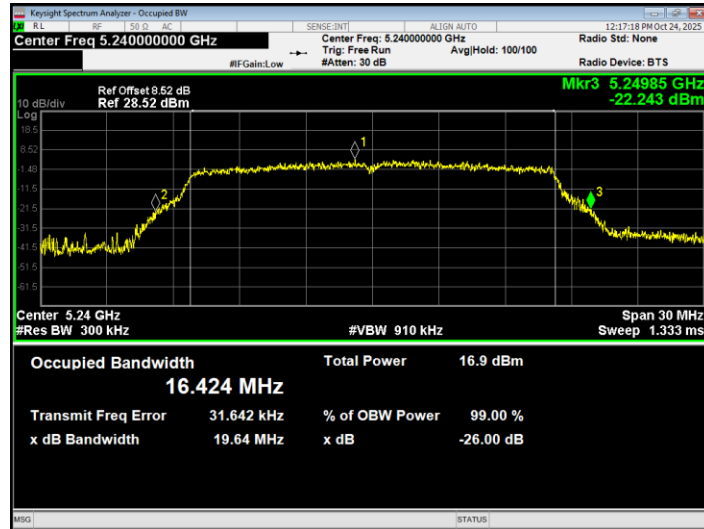
-26dB Bandwidth NVNT a 5220MHz Ant1



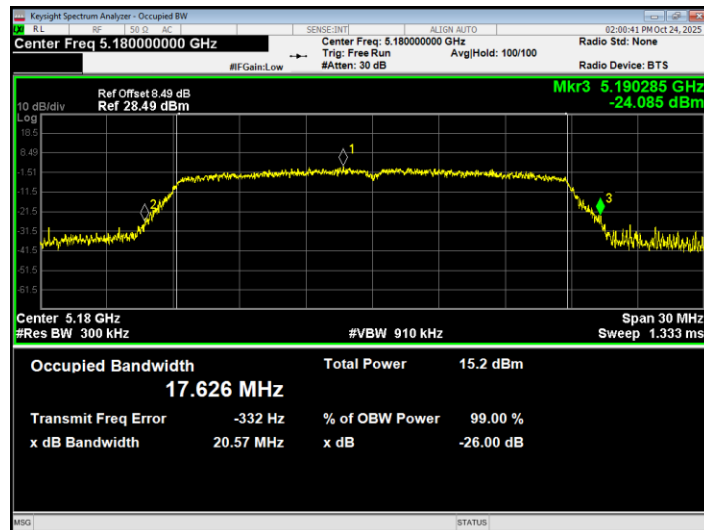


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-26dB Bandwidth NVNT a 5240MHz Ant1



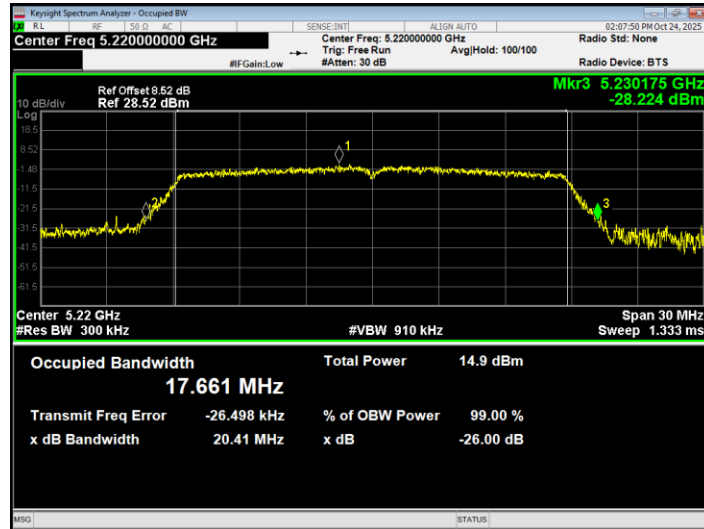
-26dB Bandwidth NVNT ac20 5180MHz Ant1



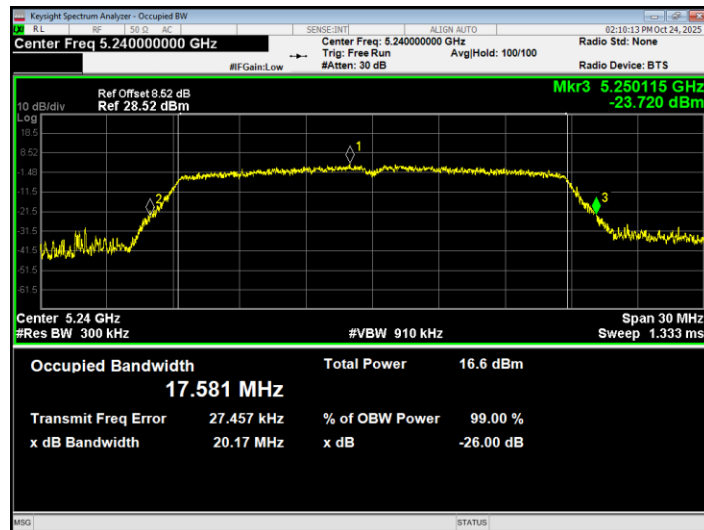


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-26dB Bandwidth NVNT ac20 5220MHz Ant1



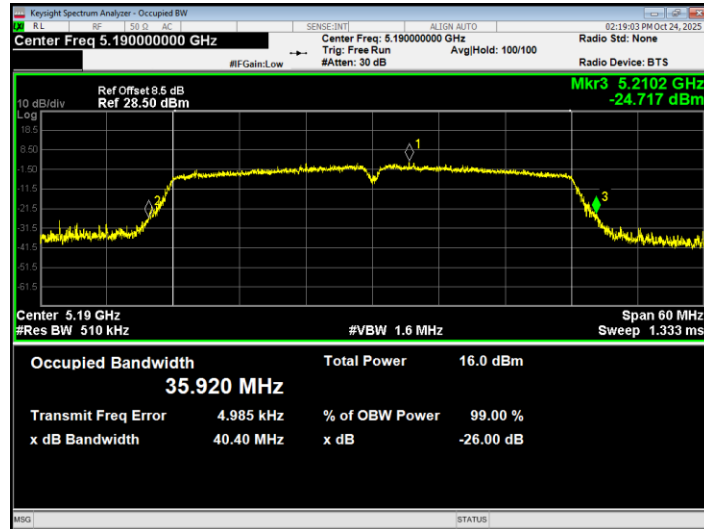
-26dB Bandwidth NVNT ac20 5240MHz Ant1



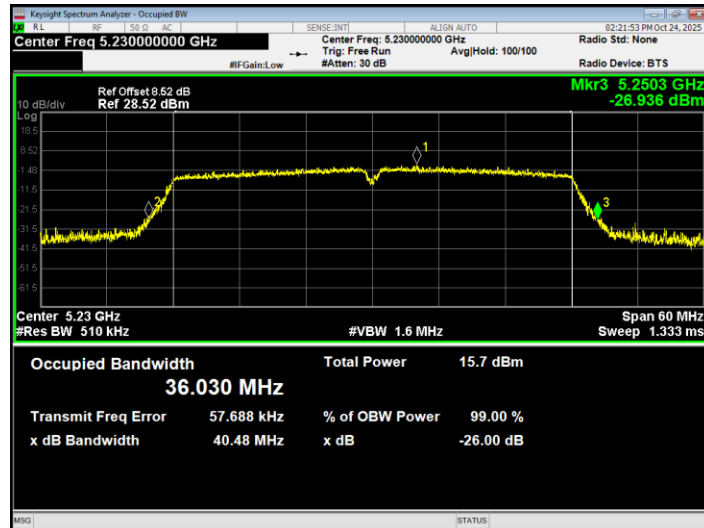


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-26dB Bandwidth NVNT ac40 5190MHz Ant1



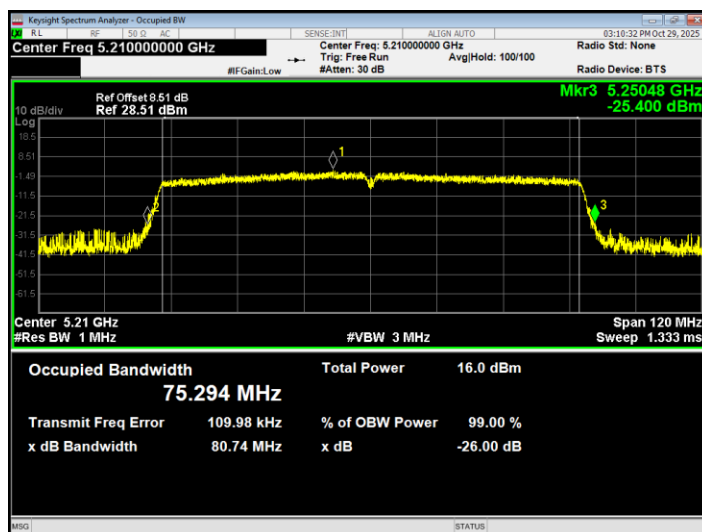
-26dB Bandwidth NVNT ac40 5230MHz Ant1



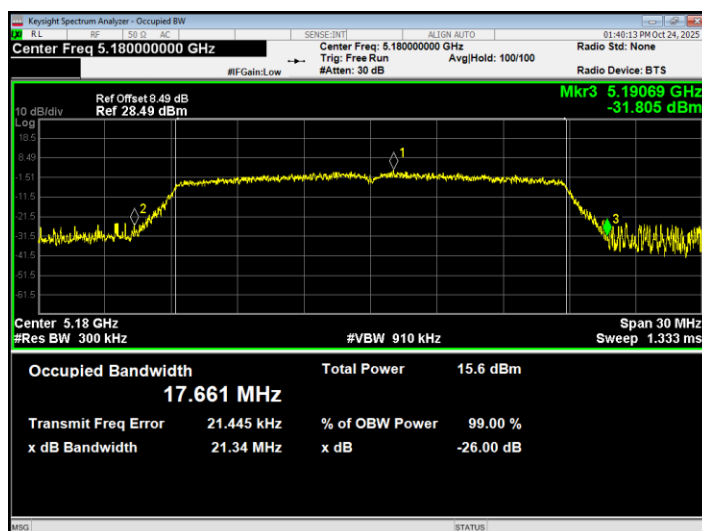


Shenzhen DL Testing Technology Co., Ltd.

-26dB Bandwidth NVNT ac80 5210MHz Ant1



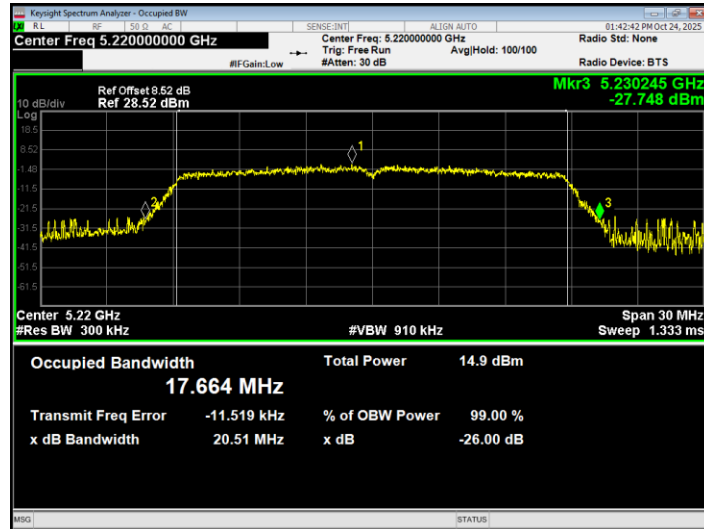
-26dB Bandwidth NVNT n20 5180MHz Ant1



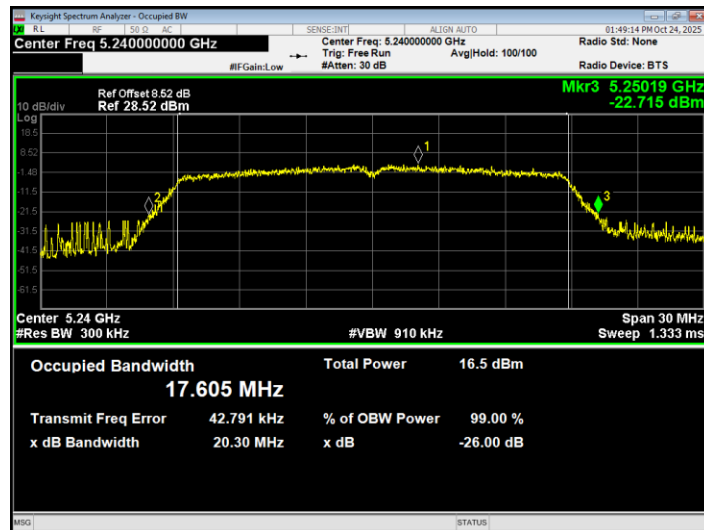


Shenzhen DL Testing Technology Co., Ltd.

-26dB Bandwidth NVNT n20 5220MHz Ant1



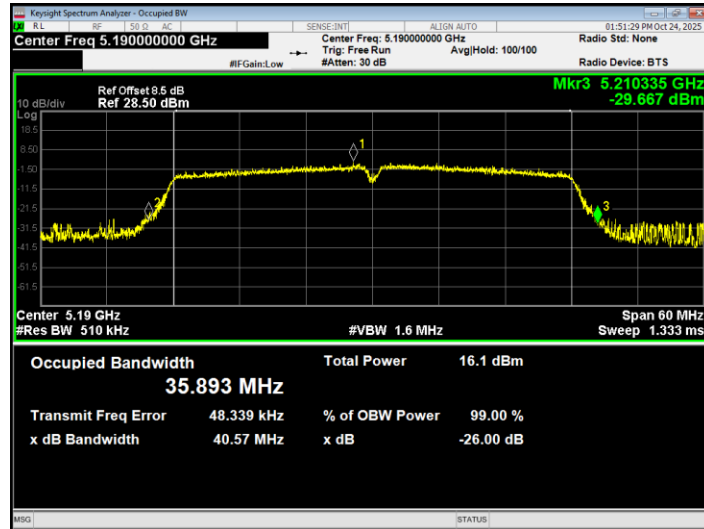
-26dB Bandwidth NVNT n20 5240MHz Ant1



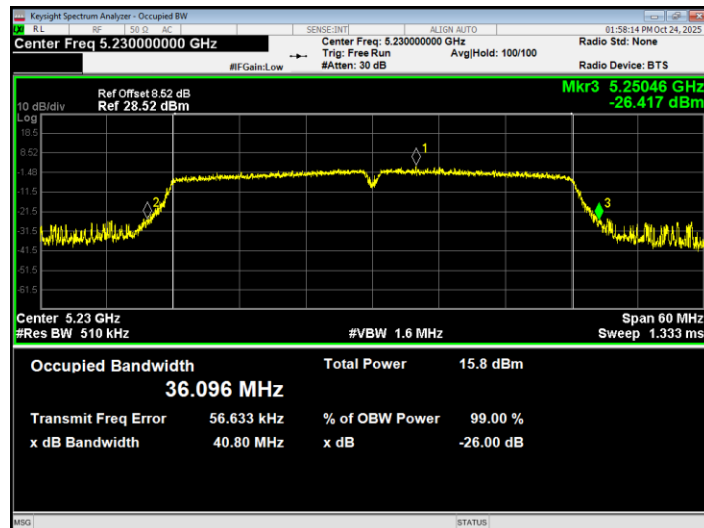


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-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1





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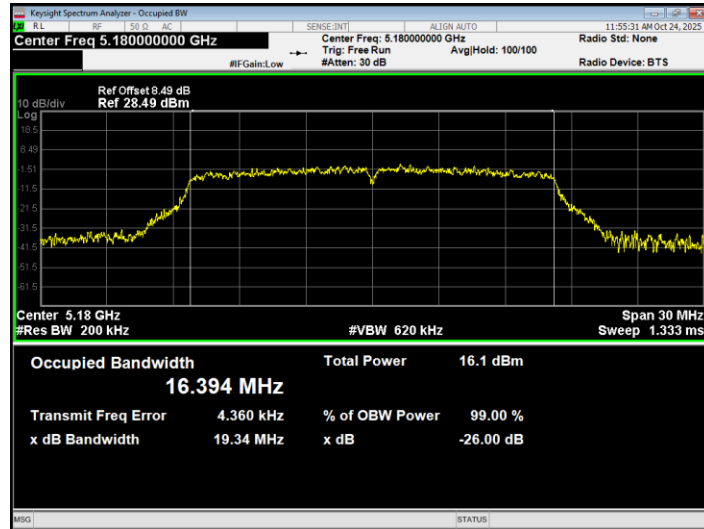
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.394
NVNT	a	5220	Ant1	16.408
NVNT	a	5240	Ant1	16.342
NVNT	ac20	5180	Ant1	17.589
NVNT	ac20	5220	Ant1	17.587
NVNT	ac20	5240	Ant1	17.531
NVNT	ac40	5190	Ant1	35.89
NVNT	ac40	5230	Ant1	36.035
NVNT	ac80	5210	Ant1	75.307
NVNT	n20	5180	Ant1	17.575
NVNT	n20	5220	Ant1	17.601
NVNT	n20	5240	Ant1	17.542
NVNT	n40	5190	Ant1	35.893
NVNT	n40	5230	Ant1	36.027

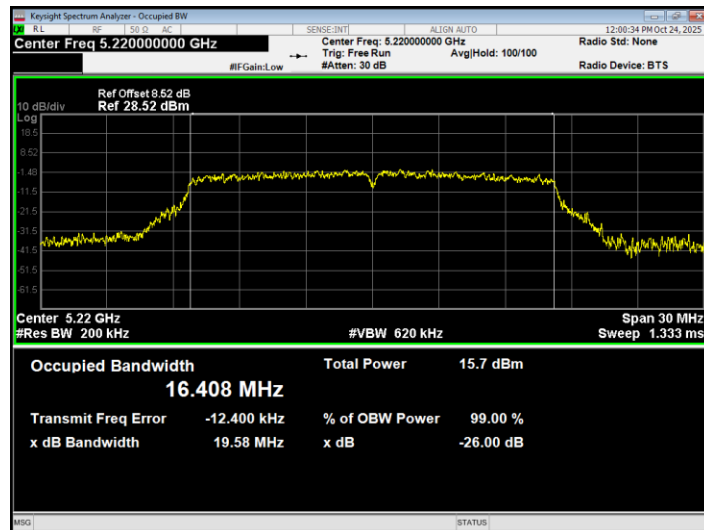


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OBW NVNT a 5180MHz Ant1



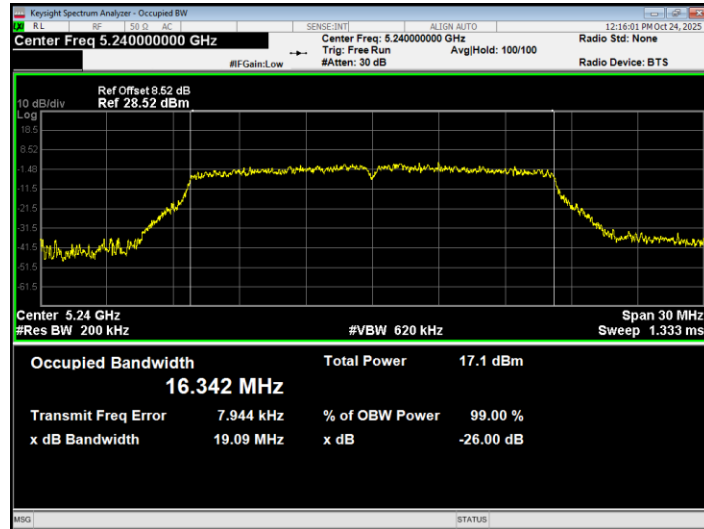
OBW NVNT a 5220MHz Ant1



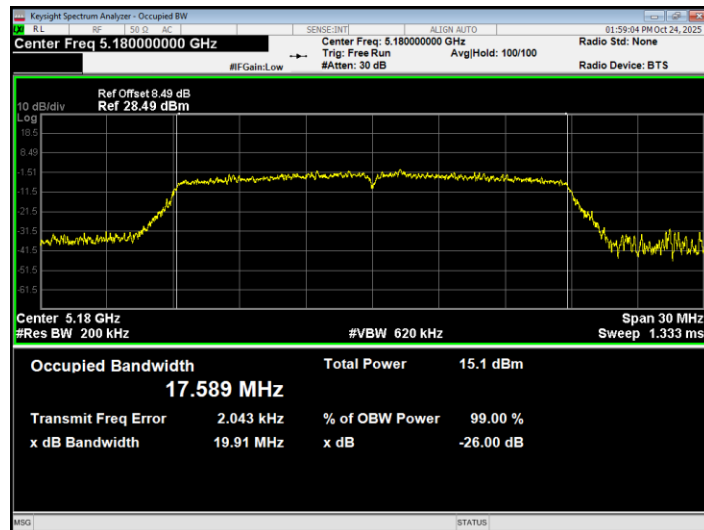


Shenzhen DL Testing Technology Co., Ltd.

OBW NVNT a 5240MHz Ant1



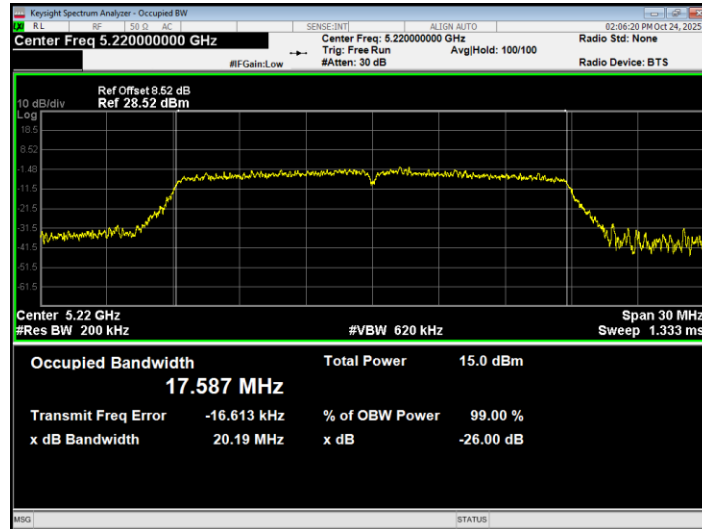
OBW NVNT ac20 5180MHz Ant1



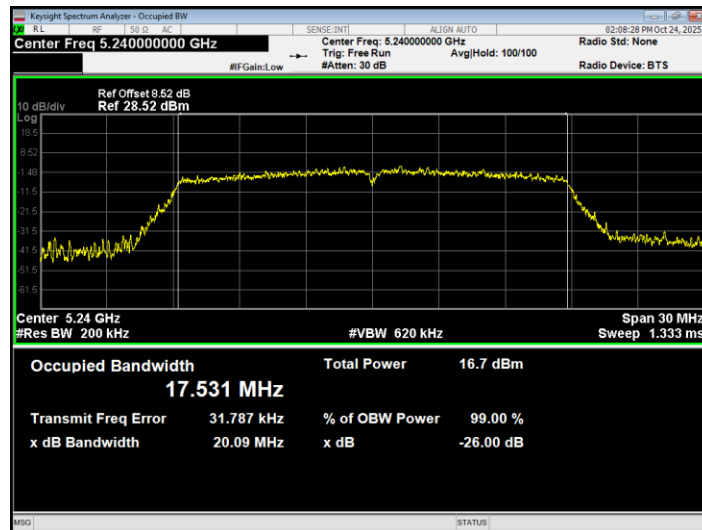


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OBW NVNT ac20 5220MHz Ant1



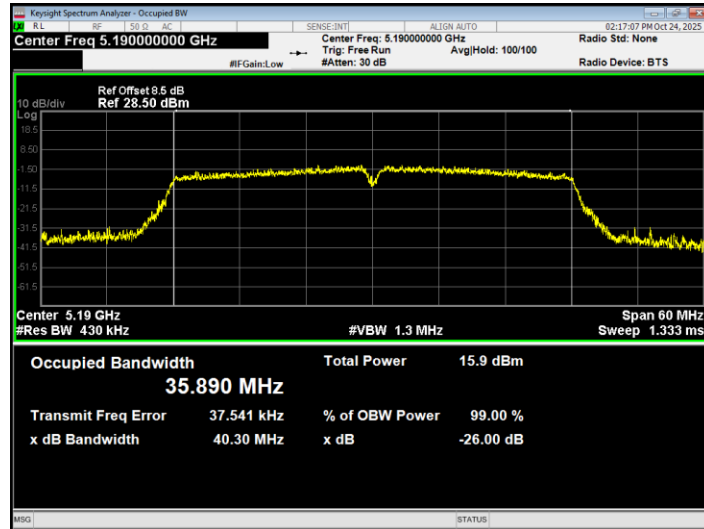
OBW NVNT ac20 5240MHz Ant1



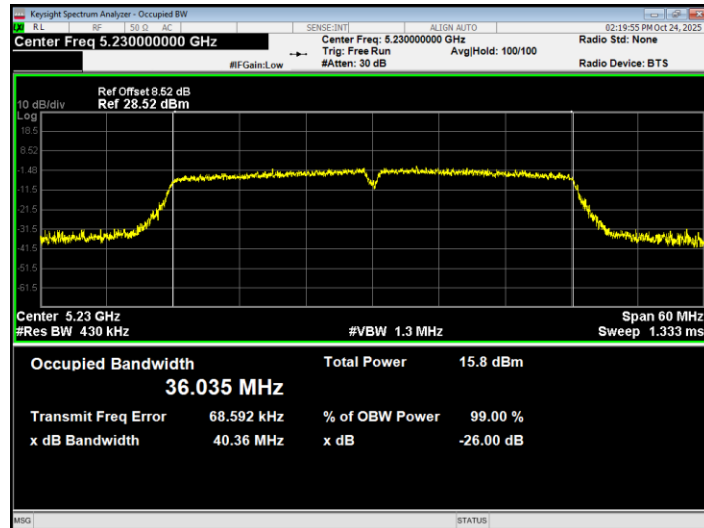


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OBW NVNT ac40 5190MHz Ant1



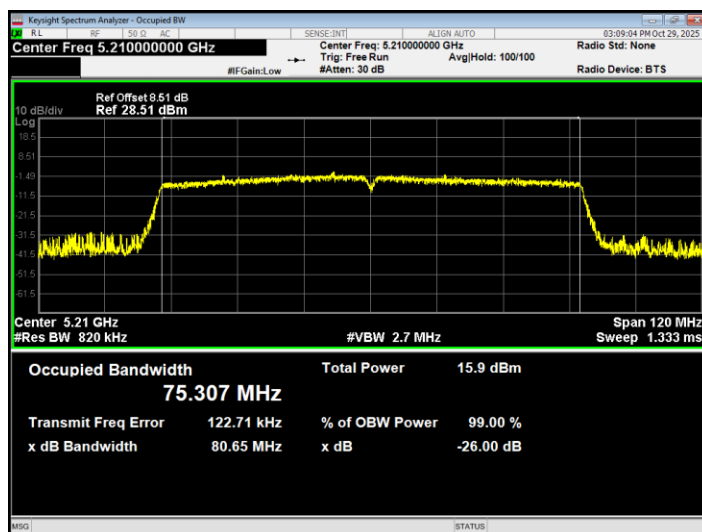
OBW NVNT ac40 5230MHz Ant1



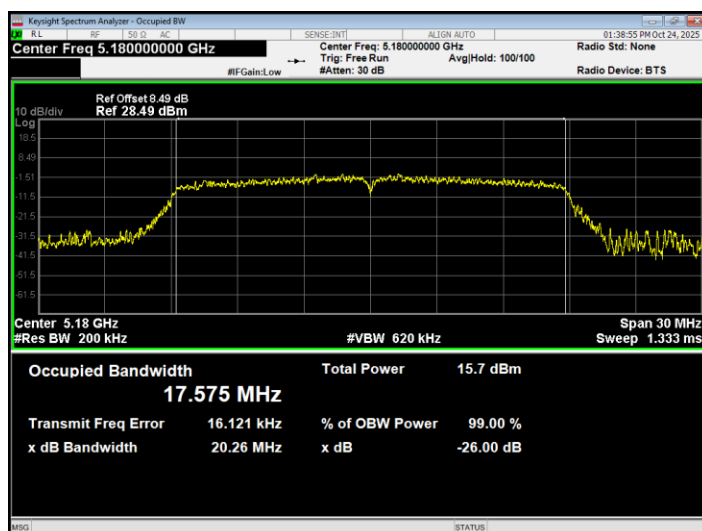


Shenzhen DL Testing Technology Co., Ltd.

OBW NVNT ac80 5210MHz Ant1



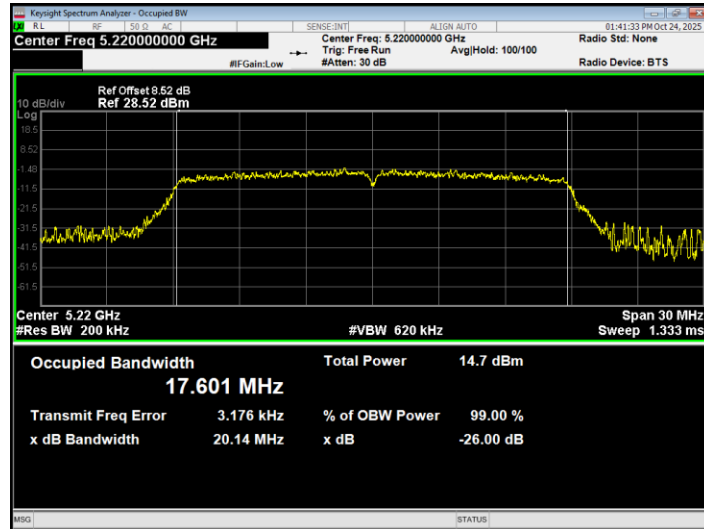
OBW NVNT n20 5180MHz Ant1



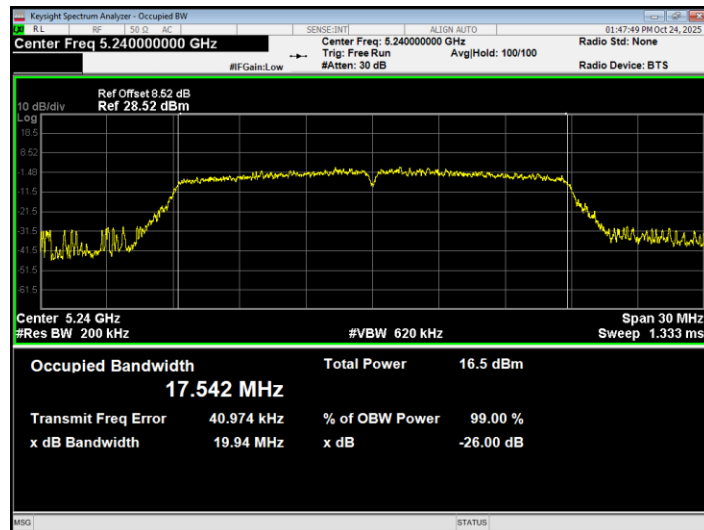


Shenzhen DL Testing Technology Co., Ltd.

OBW NVNT n20 5220MHz Ant1



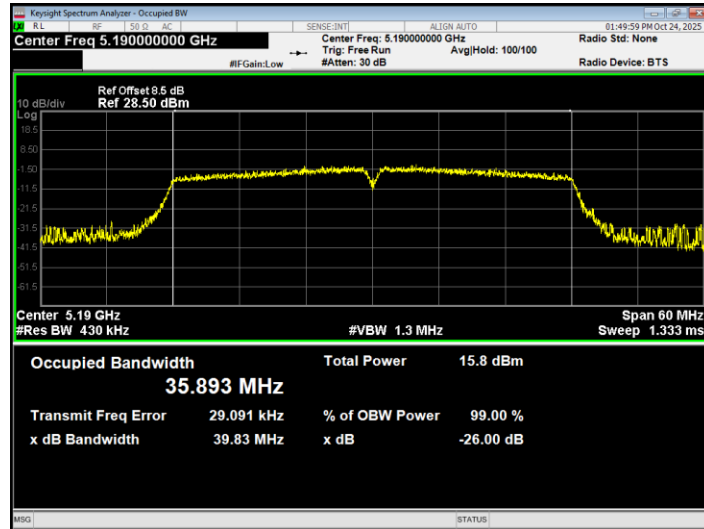
OBW NVNT n20 5240MHz Ant1



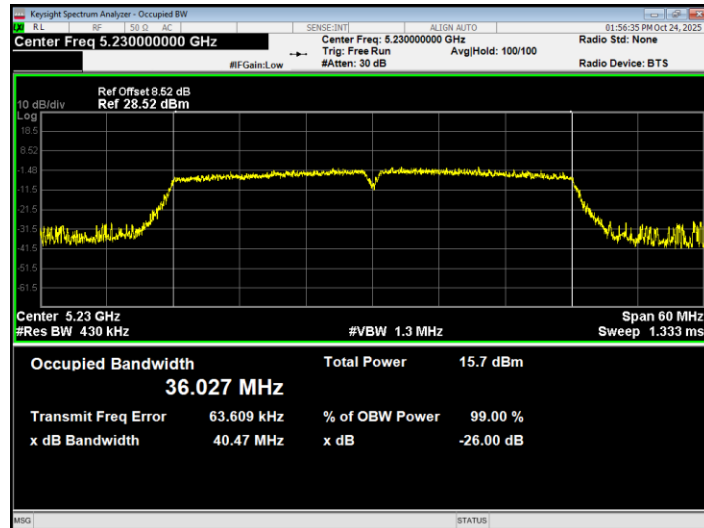


Shenzhen DL Testing Technology Co., Ltd.

OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1





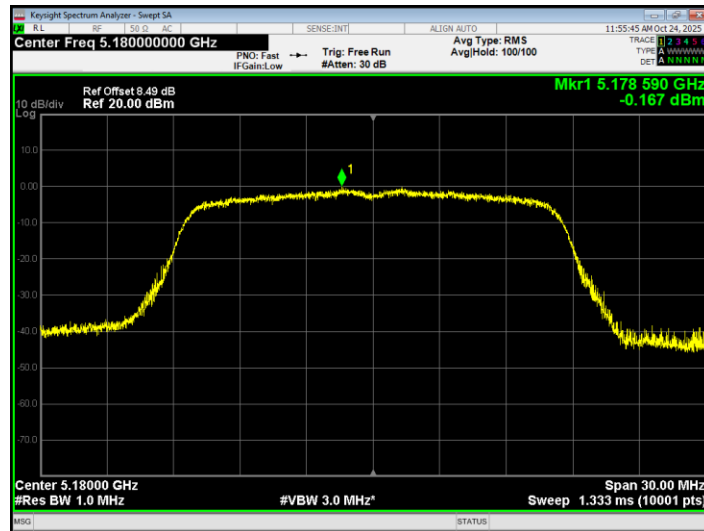
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-0.167	0.87	0.703	11	Pass
NVNT	a	5220	Ant1	-1.013	0.87	-0.143	11	Pass
NVNT	a	5240	Ant1	0.897	0.87	1.767	11	Pass
NVNT	ac20	5180	Ant1	-0.388	0.13	-0.258	11	Pass
NVNT	ac20	5220	Ant1	-0.314	0.13	-0.184	11	Pass
NVNT	ac20	5240	Ant1	1.175	0.13	1.305	11	Pass
NVNT	ac40	5190	Ant1	-2.322	0.26	-2.062	11	Pass
NVNT	ac40	5230	Ant1	-2.81	0.26	-2.55	11	Pass
NVNT	ac80	5210	Ant1	-6.82	0.5	-6.32	11	Pass
NVNT	n20	5180	Ant1	0.205	0.13	0.335	11	Pass
NVNT	n20	5220	Ant1	-0.994	0.16	-0.834	11	Pass
NVNT	n20	5240	Ant1	1.02	0.13	1.15	11	Pass
NVNT	n40	5190	Ant1	-2.612	0.32	-2.292	11	Pass
NVNT	n40	5230	Ant1	-2.71	0.26	-2.45	11	Pass

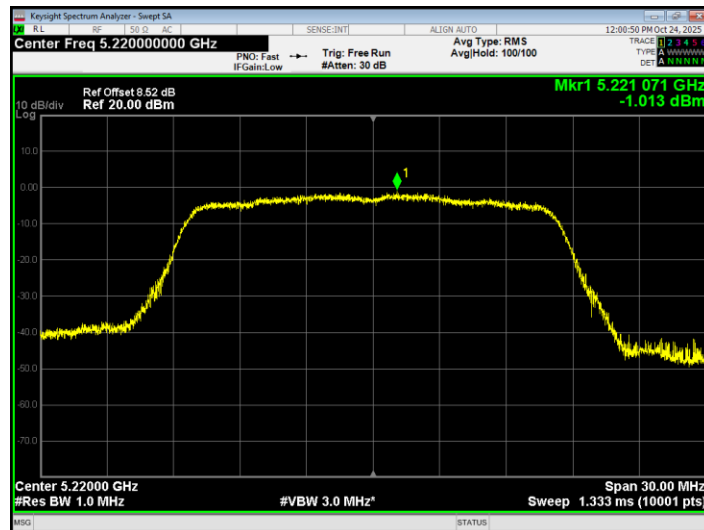


Shenzhen DL Testing Technology Co., Ltd.

PSD NVNT a 5180MHz Ant1



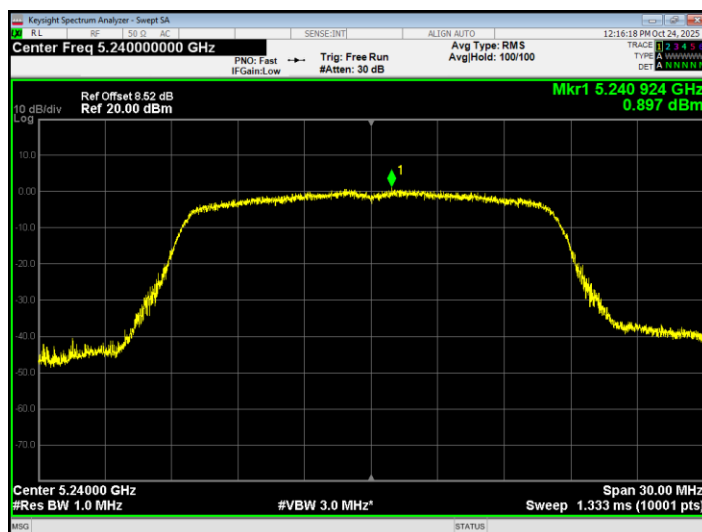
PSD NVNT a 5220MHz Ant1



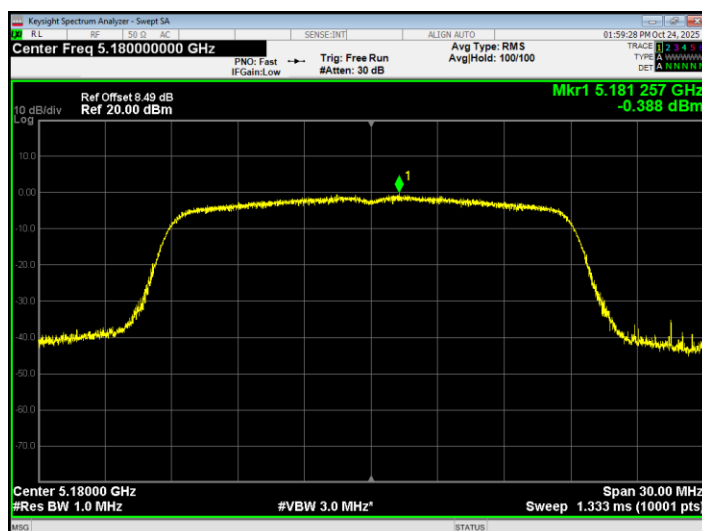


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PSD NVNT a 5240MHz Ant1



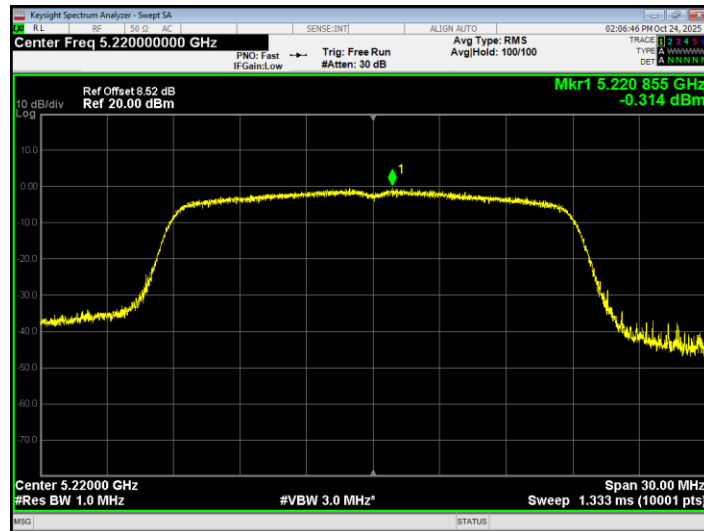
PSD NVNT ac20 5180MHz Ant1



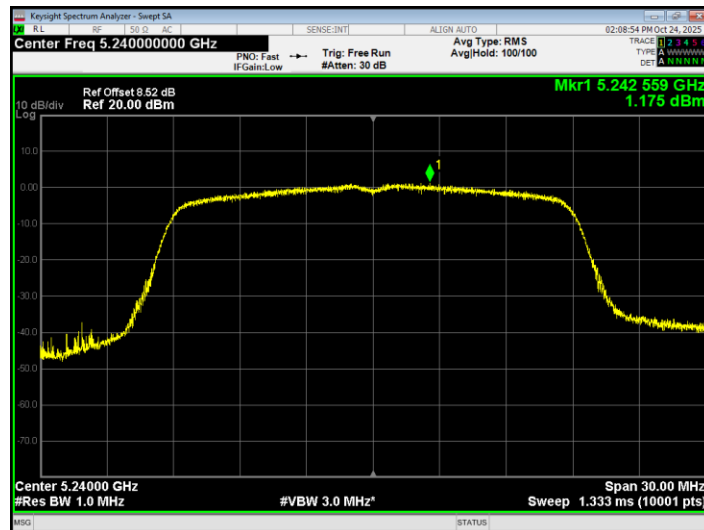


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PSD NVNT ac20 5220MHz Ant1



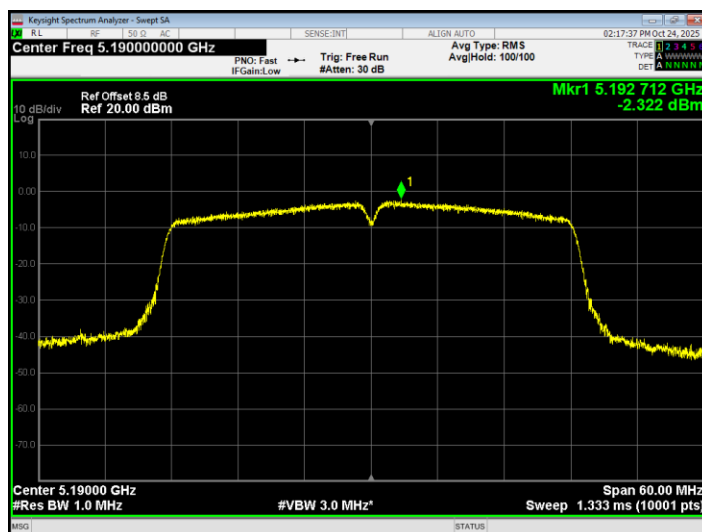
PSD NVNT ac20 5240MHz Ant1



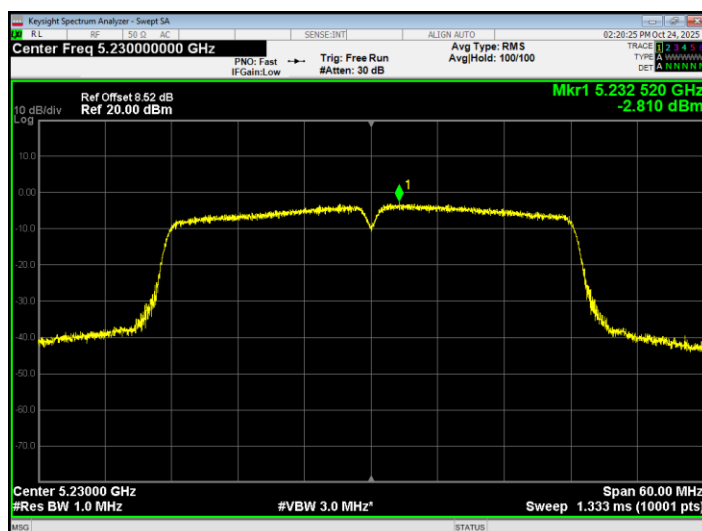


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PSD NVNT ac40 5190MHz Ant1



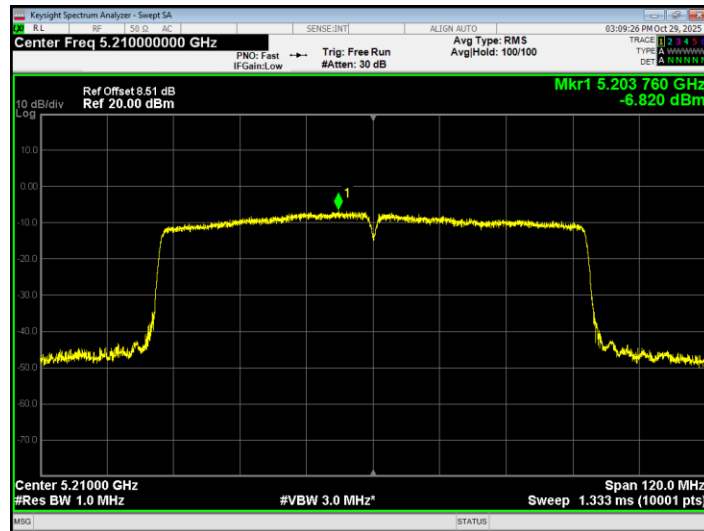
PSD NVNT ac40 5230MHz Ant1



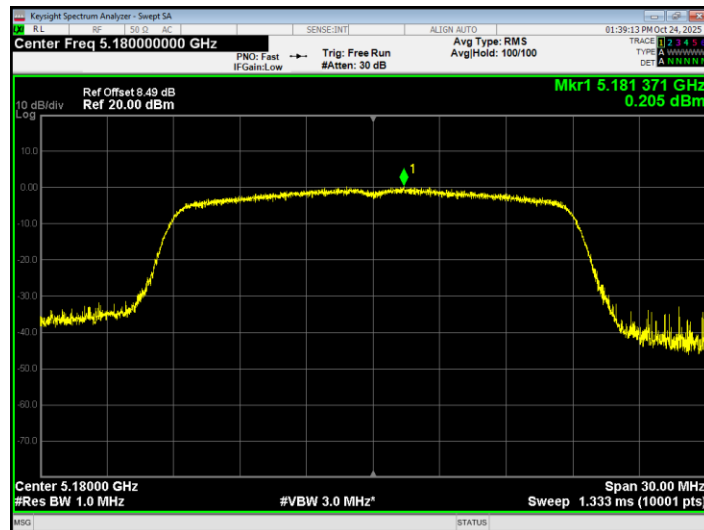


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PSD NVNT ac80 5210MHz Ant1



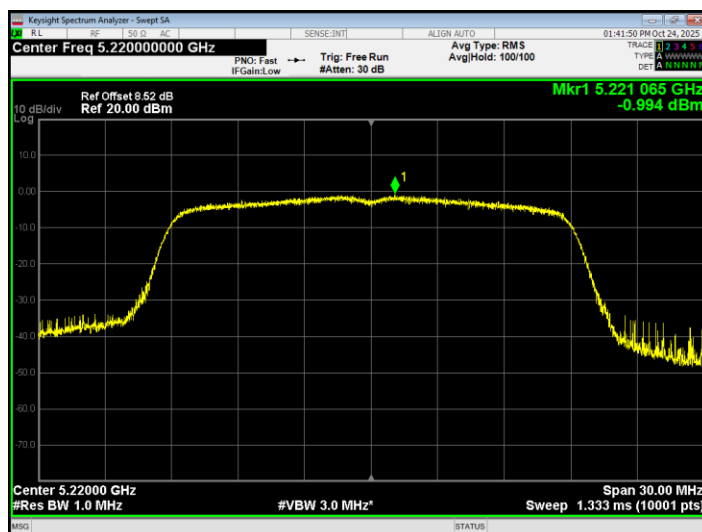
PSD NVNT n20 5180MHz Ant1



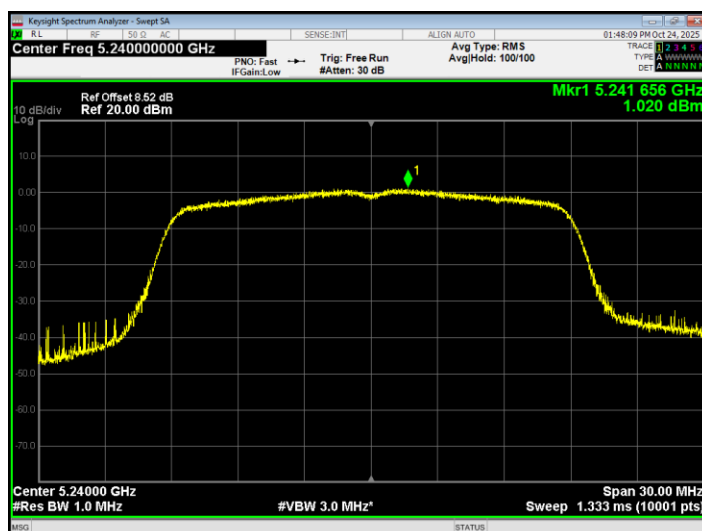


Shenzhen DL Testing Technology Co., Ltd.

PSD NVNT n20 5220MHz Ant1



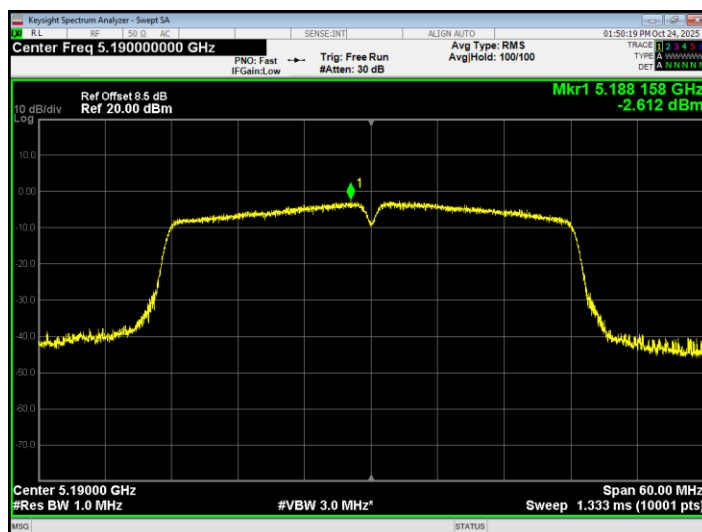
PSD NVNT n20 5240MHz Ant1





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PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1





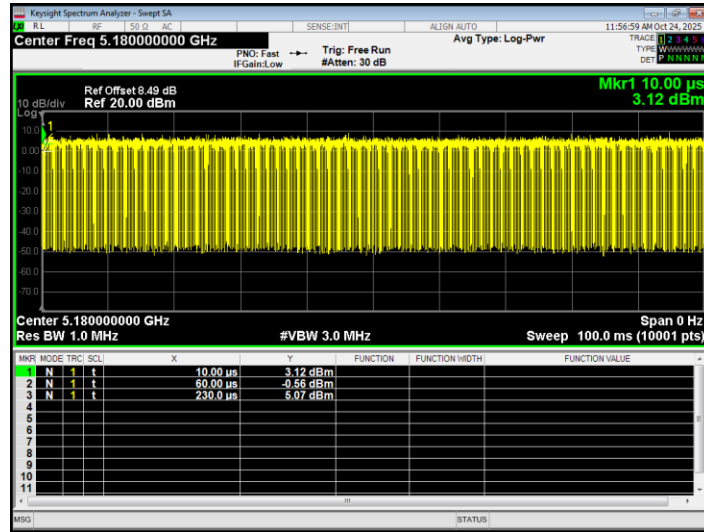
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant2	77.27	1.12
NVNT	a	5220	Ant2	77.27	1.12
NVNT	a	5240	Ant2	81.82	0.87
NVNT	ac20	5180	Ant2	97.06	0.13
NVNT	ac20	5220	Ant2	97.04	0.13
NVNT	ac20	5240	Ant2	97.04	0.13
NVNT	ac40	5190	Ant2	94.29	0.26
NVNT	ac40	5230	Ant2	94.29	0.26
NVNT	ac80	5210	Ant2	89.19	0.5
NVNT	n20	5180	Ant2	97.01	0.13
NVNT	n20	5220	Ant2	97.01	0.13
NVNT	n20	5240	Ant2	97.04	0.13
NVNT	n40	5190	Ant2	94.2	0.26
NVNT	n40	5230	Ant2	92.86	0.32

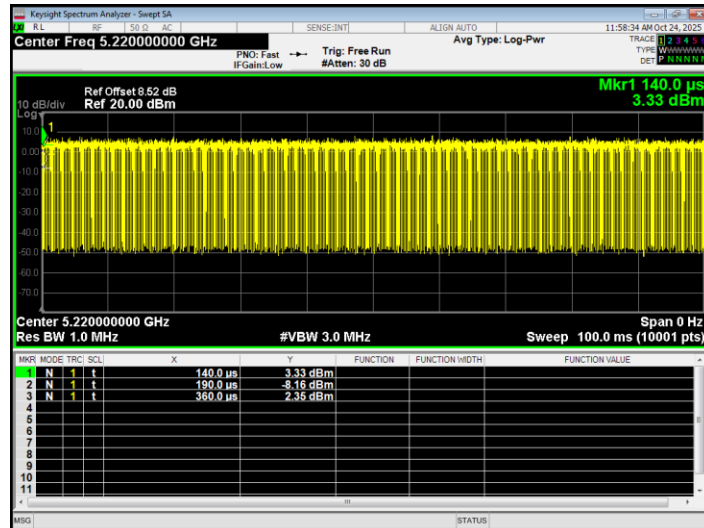


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Duty Cycle NVNT a 5180MHz Ant2



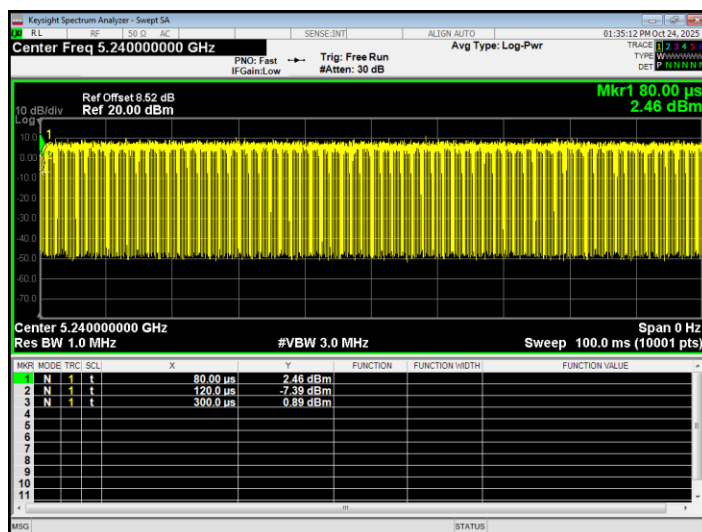
Duty Cycle NVNT a 5220MHz Ant2



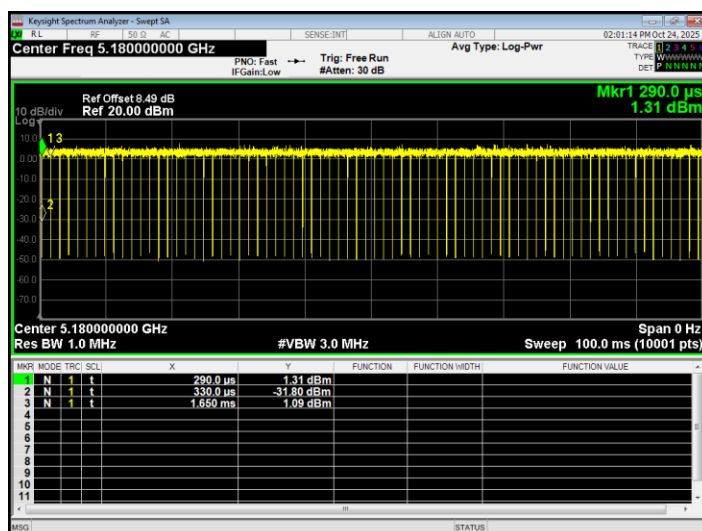


Shenzhen DL Testing Technology Co., Ltd.

Duty Cycle NVNT a 5240MHz Ant2



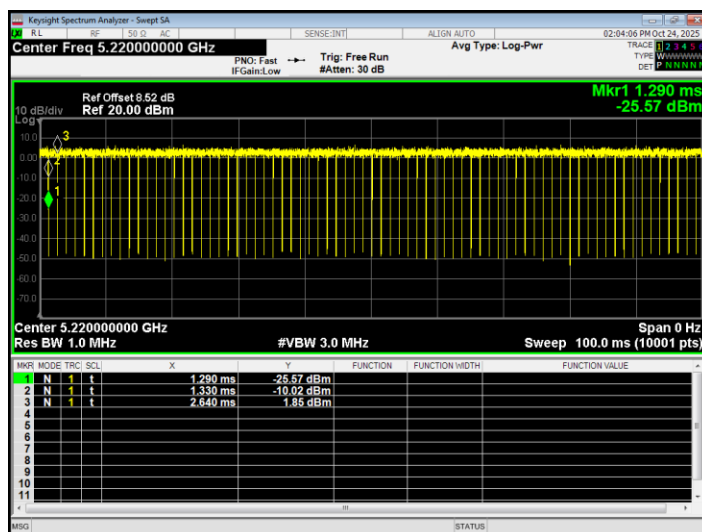
Duty Cycle NVNT ac20 5180MHz Ant2





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Duty Cycle NVNT ac20 5220MHz Ant2



Duty Cycle NVNT ac20 5240MHz Ant2

