



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



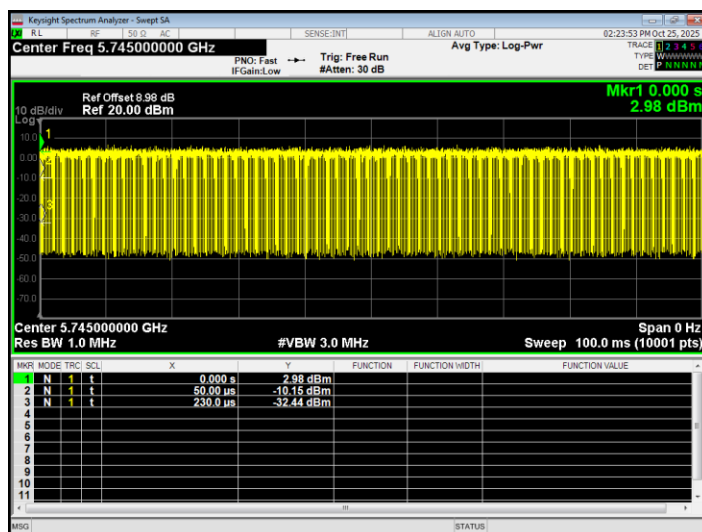
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	78.26	1.06
NVNT	a	5785	Ant1	81.82	0.87
NVNT	a	5825	Ant1	78.26	1.06
NVNT	ac20	5745	Ant1	97.04	0.13
NVNT	ac20	5785	Ant1	97.06	0.13
NVNT	ac20	5825	Ant1	97.04	0.13
NVNT	ac40	5755	Ant1	92.86	0.32
NVNT	ac40	5795	Ant1	94.2	0.26
NVNT	ac80	5775	Ant1	88.89	0.51
NVNT	n20	5745	Ant1	97.01	0.13
NVNT	n20	5785	Ant1	97.01	0.13
NVNT	n20	5825	Ant1	97.01	0.13
NVNT	n40	5755	Ant1	94.2	0.26
NVNT	n40	5795	Ant1	94.2	0.26

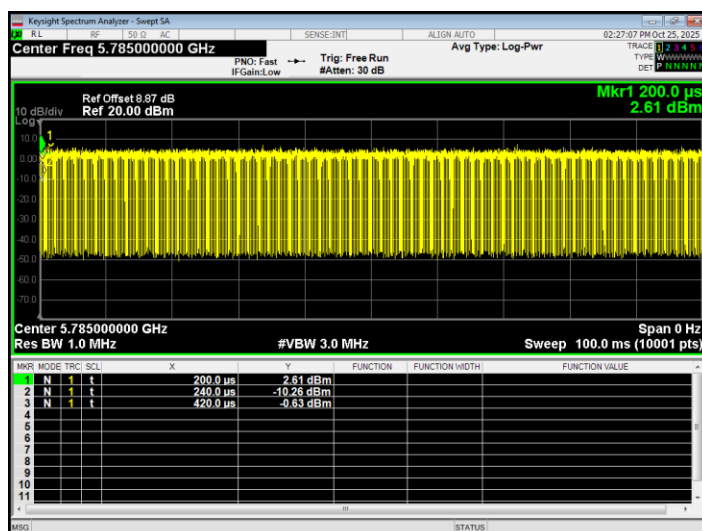


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Duty Cycle NVNT a 5745MHz Ant1



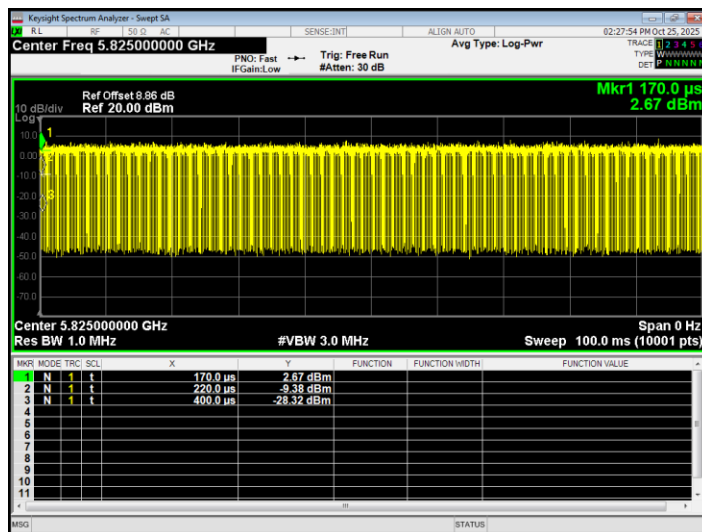
Duty Cycle NVNT a 5785MHz Ant1



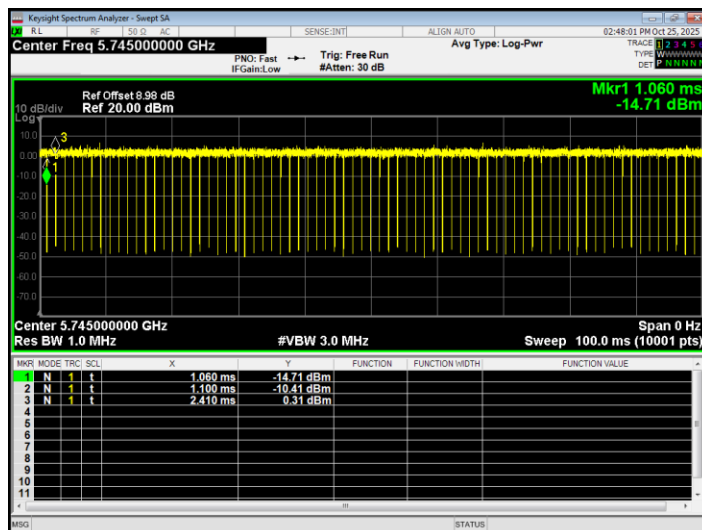


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Duty Cycle NVNT a 5825MHz Ant1



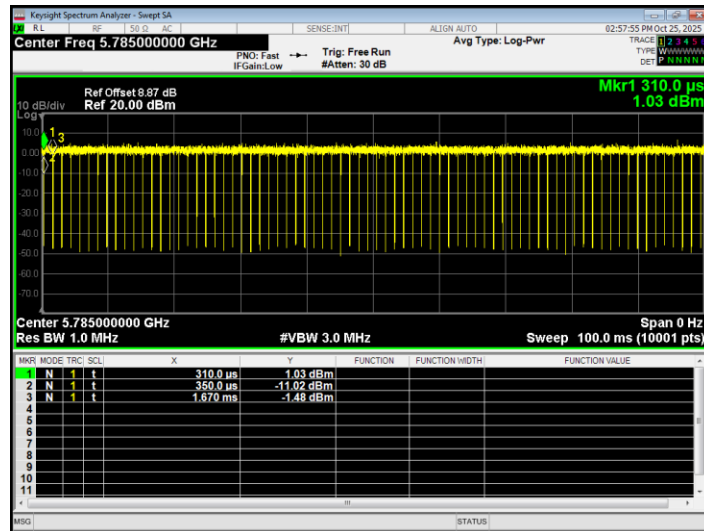
Duty Cycle NVNT ac20 5745MHz Ant1



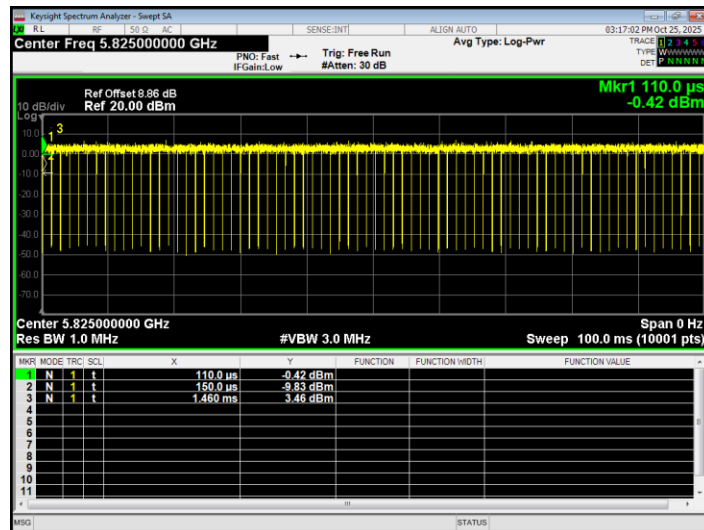


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Duty Cycle NVNT ac20 5785MHz Ant1



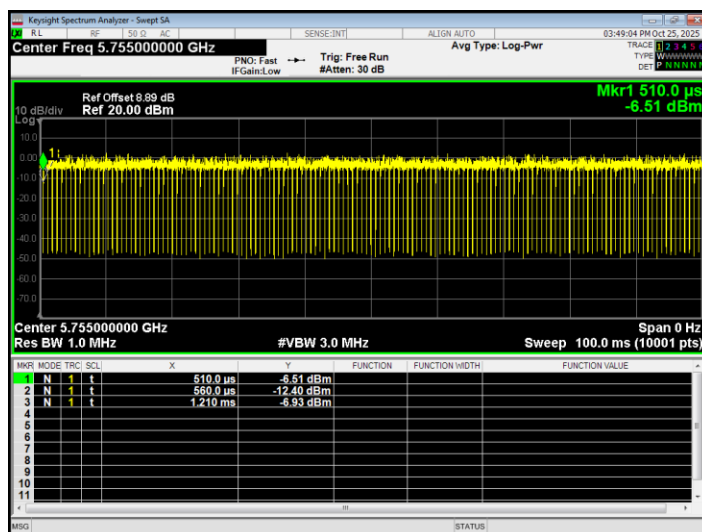
Duty Cycle NVNT ac20 5825MHz Ant1



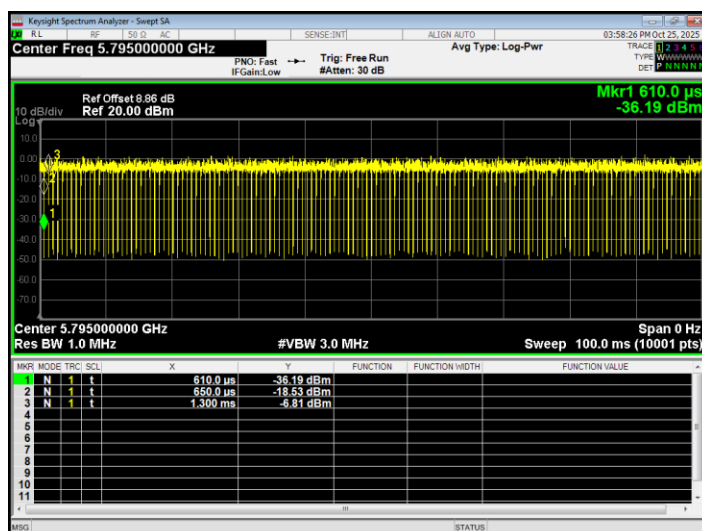


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Duty Cycle NVNT ac40 5755MHz Ant1



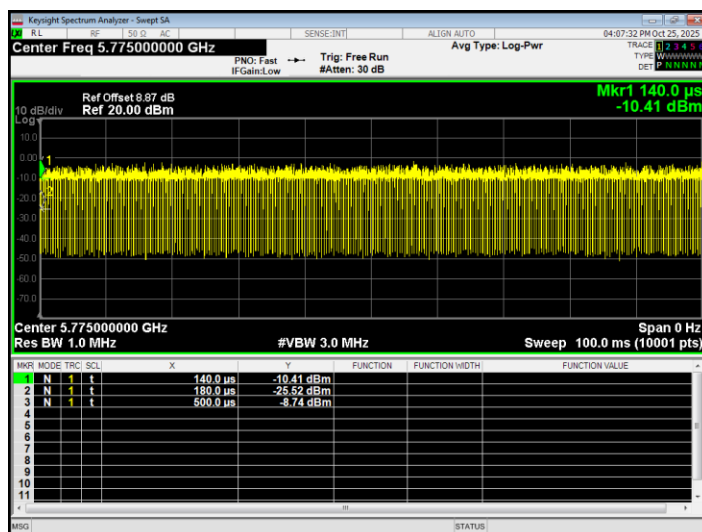
Duty Cycle NVNT ac40 5795MHz Ant1



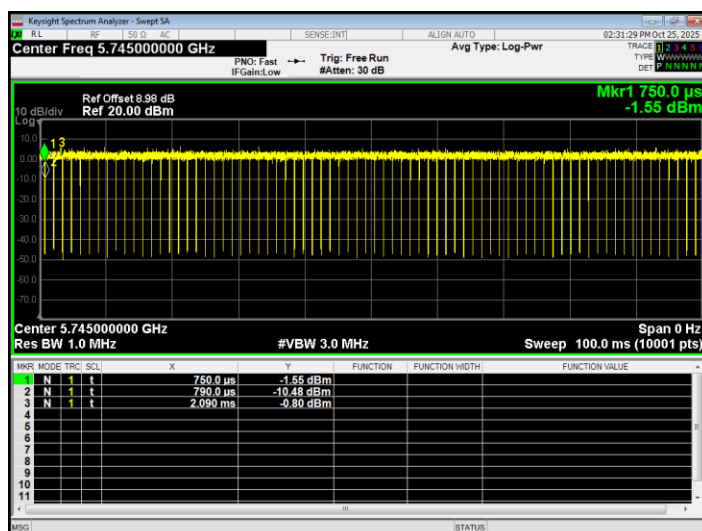


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Duty Cycle NVNT ac80 5775MHz Ant1



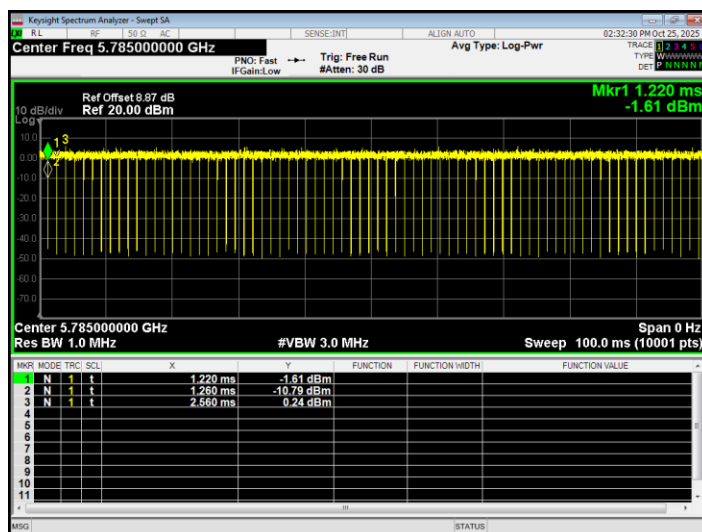
Duty Cycle NVNT n20 5745MHz Ant1



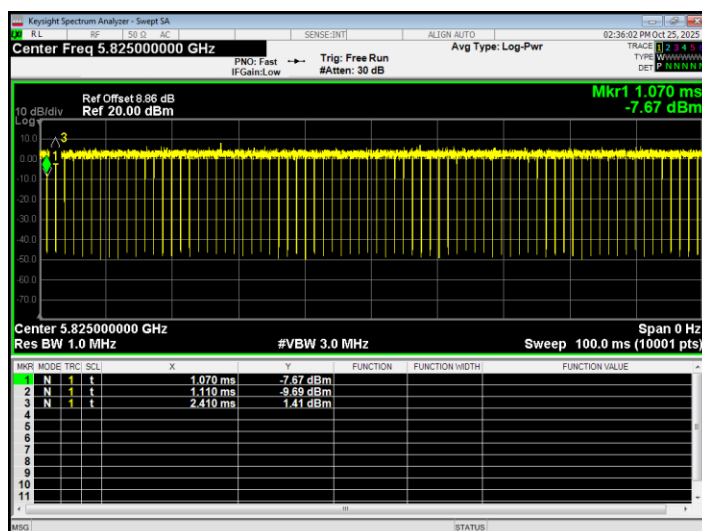


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Duty Cycle NVNT n20 5785MHz Ant1



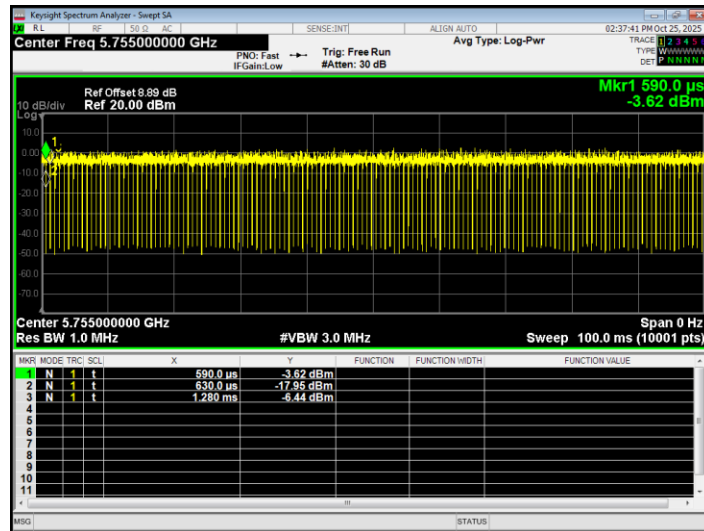
Duty Cycle NVNT n20 5825MHz Ant1



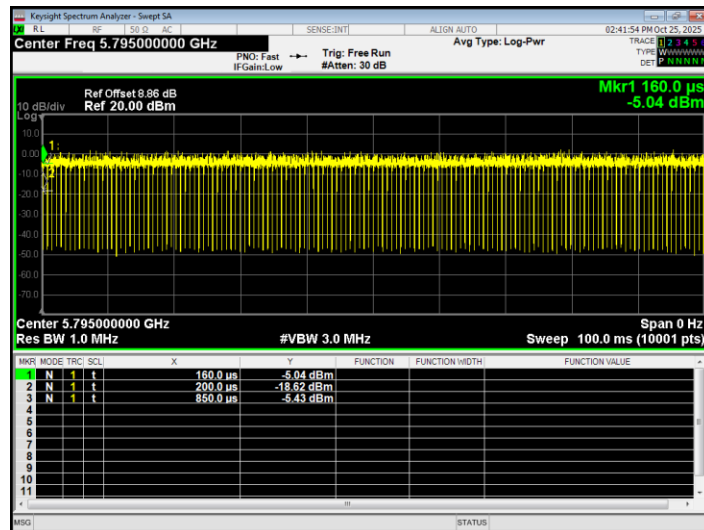


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Duty Cycle NVNT n40 5755MHz Ant1



Duty Cycle NVNT n40 5795MHz Ant1





Conducted Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-27.79	15.6	Pass
NVNT	a	5825	Ant1	-33.37	15.6	Pass
NVNT	ac20	5745	Ant1	-31.07	12.4	Pass
NVNT	ac20	5825	Ant1	-31.12	15.6	Pass
NVNT	ac40	5755	Ant1	-30	12.1	Pass
NVNT	ac40	5795	Ant1	-38.8	14.8	Pass
NVNT	ac80	5775	Ant1	-30.1	12.1	Pass
NVNT	n20	5745	Ant1	-28.83	15.6	Pass
NVNT	n20	5825	Ant1	-34.84	11.9	Pass
NVNT	n40	5755	Ant1	-22.82	12.3	Pass
NVNT	n40	5795	Ant1	-37.7	10.3	Pass

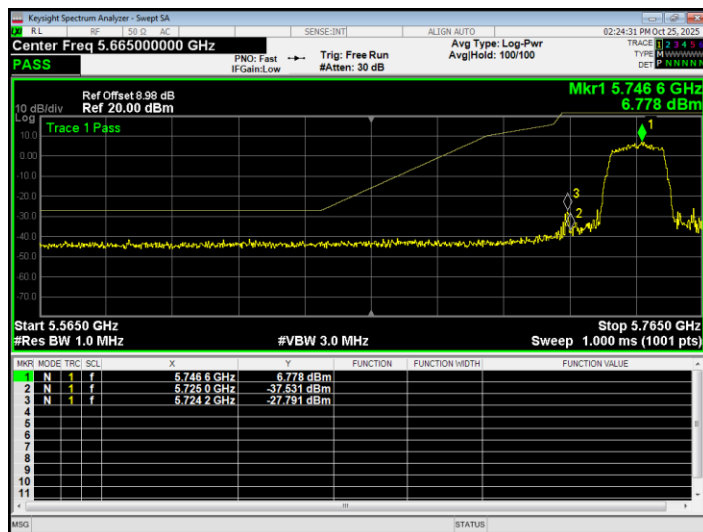
Note: The antenna gain is compensated in the test data.

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

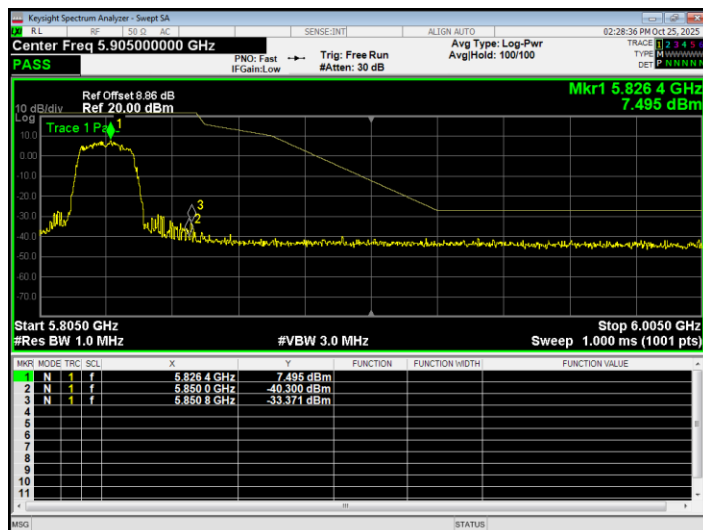


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Band Edge NVNT a 5745MHz Low Ant1



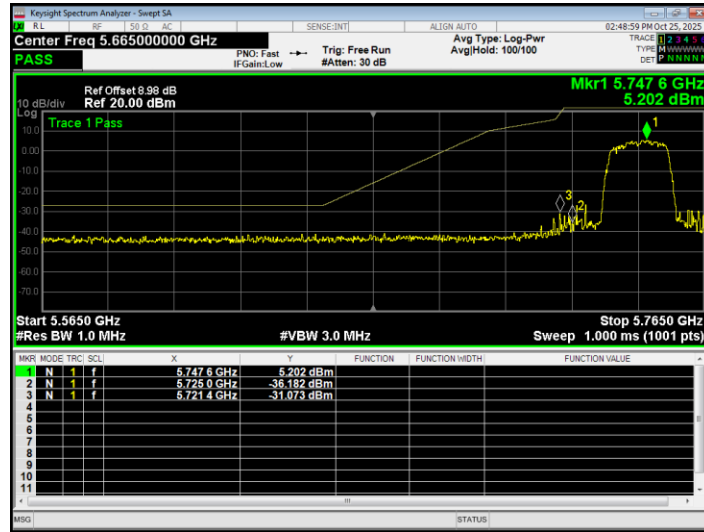
Band Edge NVNT a 5825MHz High Ant1



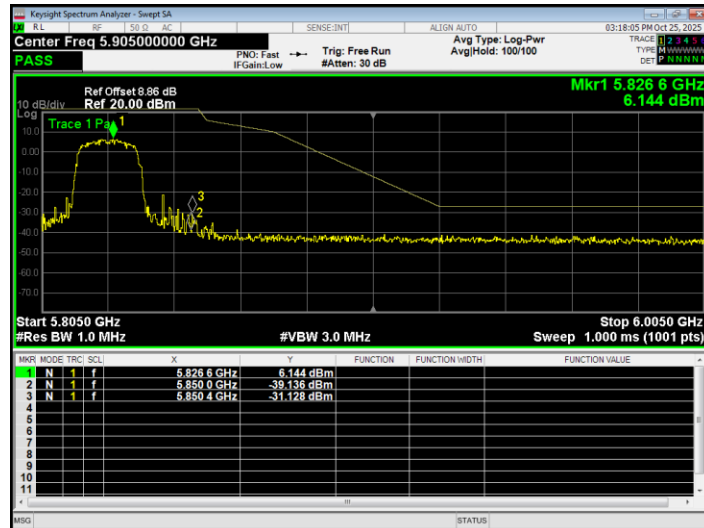


Shenzhen DL Testing Technology Co., Ltd.

Band Edge NVNT ac20 5745MHz Low Ant1



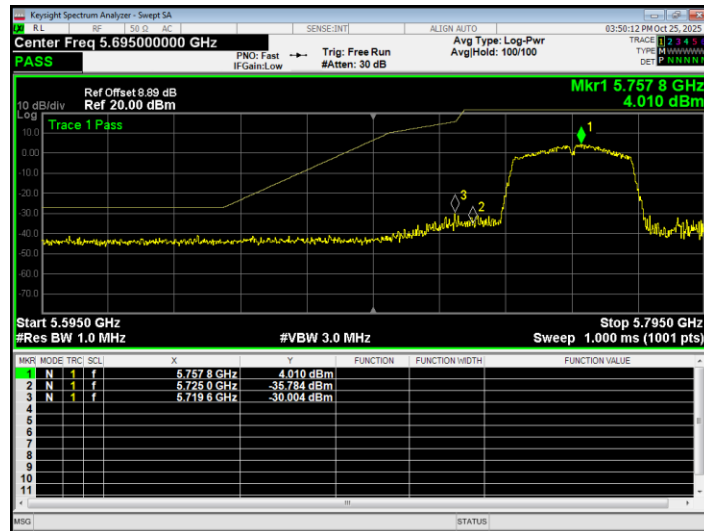
Band Edge NVNT ac20 5825MHz High Ant1



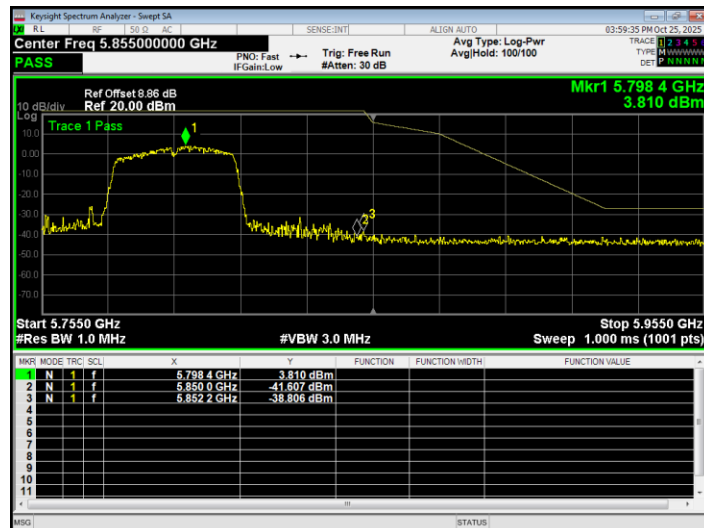


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Band Edge NVNT ac40 5755MHz Low Ant1



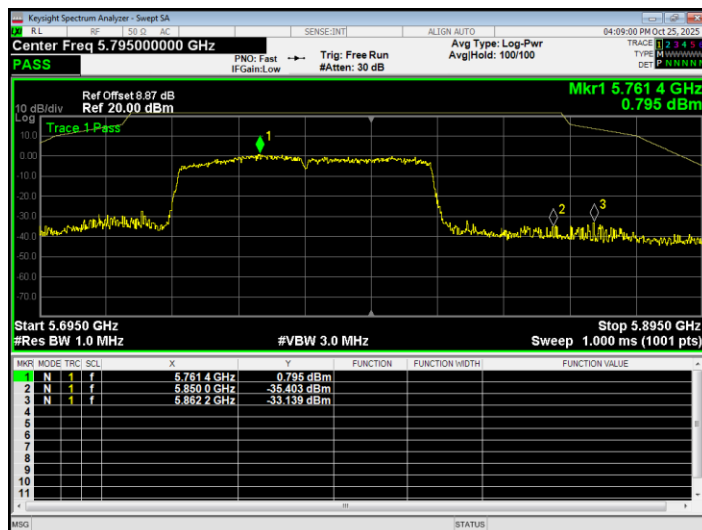
Band Edge NVNT ac40 5795MHz High Ant1





Shenzhen DL Testing Technology Co., Ltd.

Band Edge NVNT ac80 5775MHz High Ant1



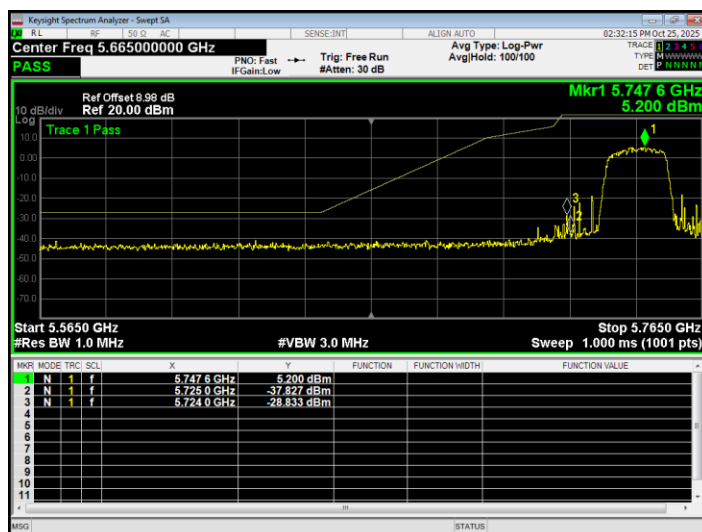
Band Edge NVNT ac80 5775MHz High Ant1





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Band Edge NVNT n20 5745MHz Low Ant1



Band Edge NVNT n20 5825MHz High Ant1



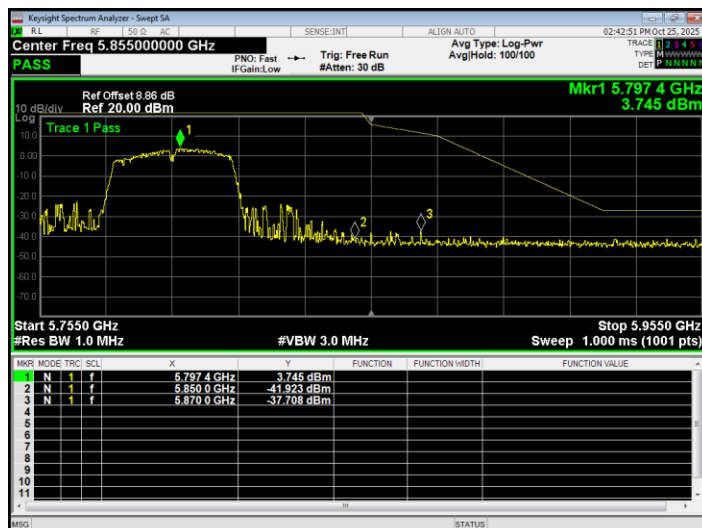


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Band Edge NVNT n40 5755MHz Low Ant1



Band Edge NVNT n40 5795MHz 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	5745	Ant1	7.35	1.06	8.41	30	Pass
NVNT	a	5785	Ant1	7.268	0.87	8.138	30	Pass
NVNT	a	5825	Ant1	8.307	1.06	9.367	30	Pass
NVNT	ac20	5745	Ant1	7.854	0.13	7.984	30	Pass
NVNT	ac20	5785	Ant1	7.532	0.13	7.662	30	Pass
NVNT	ac20	5825	Ant1	8.661	0.13	8.791	30	Pass
NVNT	ac40	5755	Ant1	8.423	0.32	8.743	30	Pass
NVNT	ac40	5795	Ant1	8.452	0.26	8.712	30	Pass
NVNT	ac80	5775	Ant1	8.224	0.51	8.734	30	Pass
NVNT	n20	5745	Ant1	7.905	0.13	8.035	30	Pass
NVNT	n20	5785	Ant1	7.591	0.13	7.721	30	Pass
NVNT	n20	5825	Ant1	8.481	0.13	8.611	30	Pass
NVNT	n40	5755	Ant1	8.294	0.26	8.554	30	Pass
NVNT	n40	5795	Ant1	8.507	0.26	8.767	30	Pass



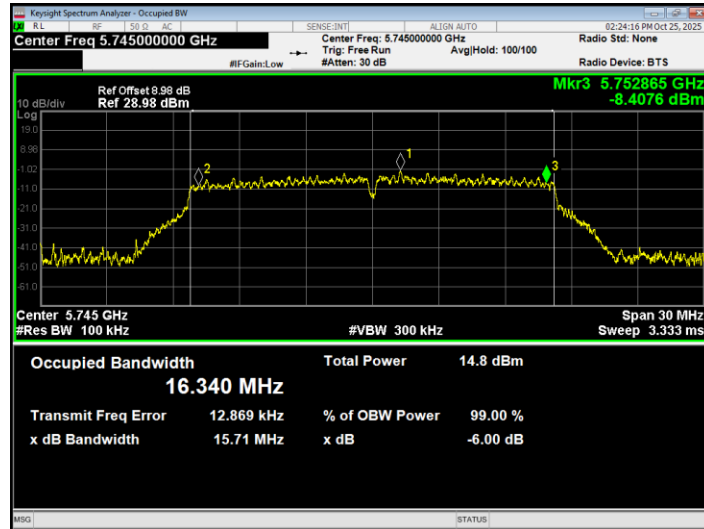
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	15.71	0.5	Pass
NVNT	a	5785	Ant1	16.31	0.5	Pass
NVNT	a	5825	Ant1	16.19	0.5	Pass
NVNT	ac20	5745	Ant1	13.97	0.5	Pass
NVNT	ac20	5785	Ant1	13.86	0.5	Pass
NVNT	ac20	5825	Ant1	15.45	0.5	Pass
NVNT	ac40	5755	Ant1	33.77	0.5	Pass
NVNT	ac40	5795	Ant1	35.06	0.5	Pass
NVNT	ac80	5775	Ant1	75.09	0.5	Pass
NVNT	n20	5745	Ant1	16.01	0.5	Pass
NVNT	n20	5785	Ant1	15.82	0.5	Pass
NVNT	n20	5825	Ant1	16.64	0.5	Pass
NVNT	n40	5755	Ant1	31.33	0.5	Pass
NVNT	n40	5795	Ant1	35	0.5	Pass

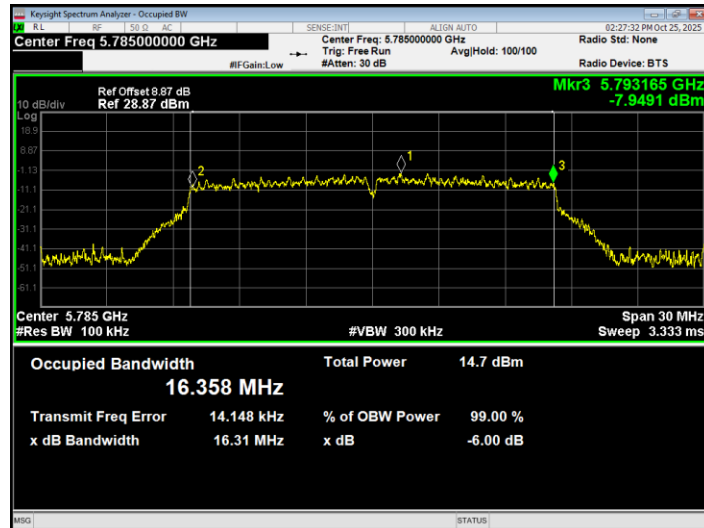


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-6dB Bandwidth NVNT a 5745MHz Ant1



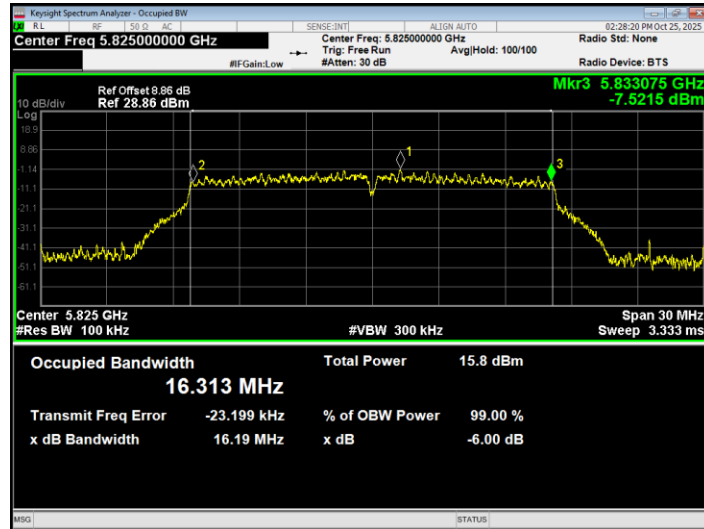
-6dB Bandwidth NVNT a 5785MHz Ant1



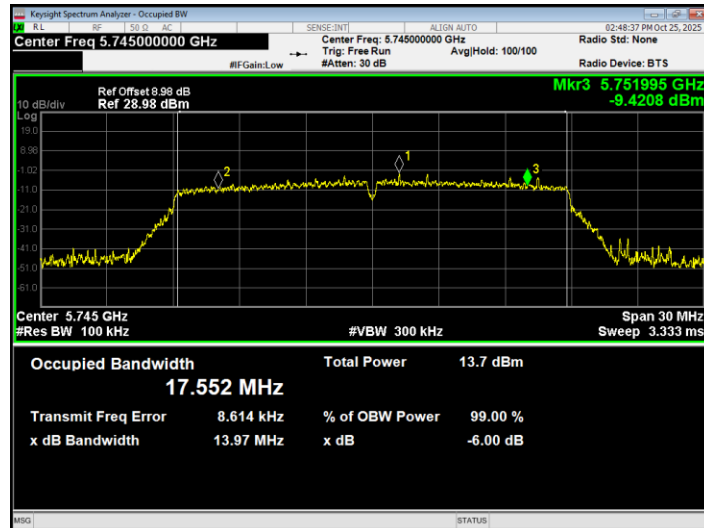


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-6dB Bandwidth NVNT a 5825MHz Ant1



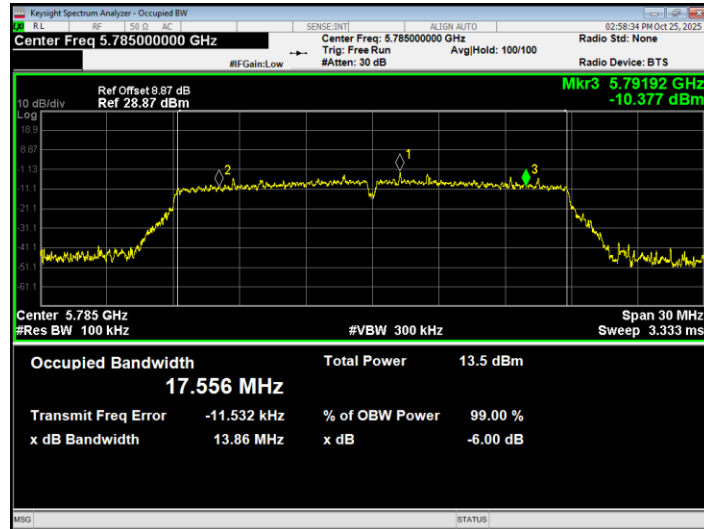
-6dB Bandwidth NVNT ac20 5745MHz Ant1



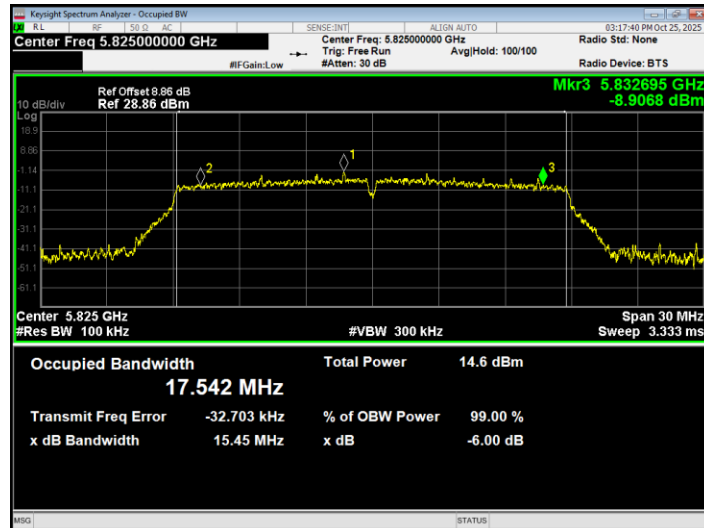


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-6dB Bandwidth NVNT ac20 5785MHz Ant1



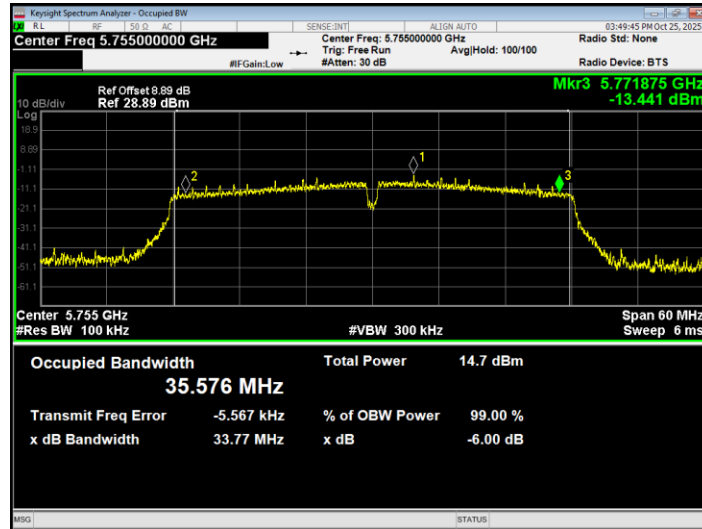
-6dB Bandwidth NVNT ac20 5825MHz Ant1



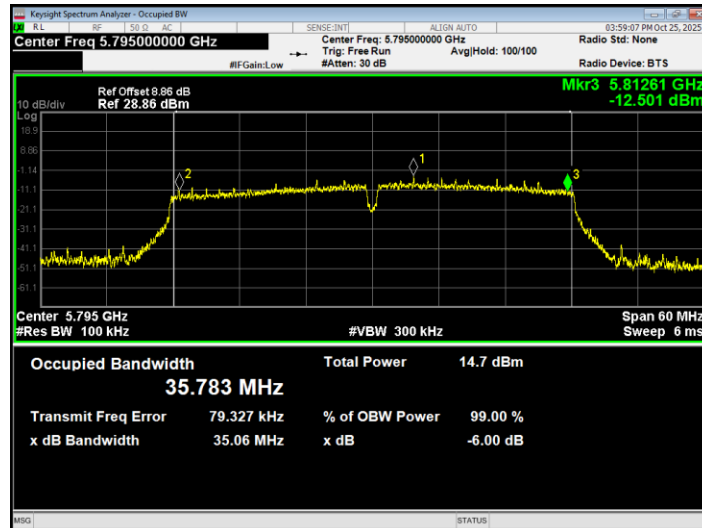


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-6dB Bandwidth NVNT ac40 5755MHz Ant1



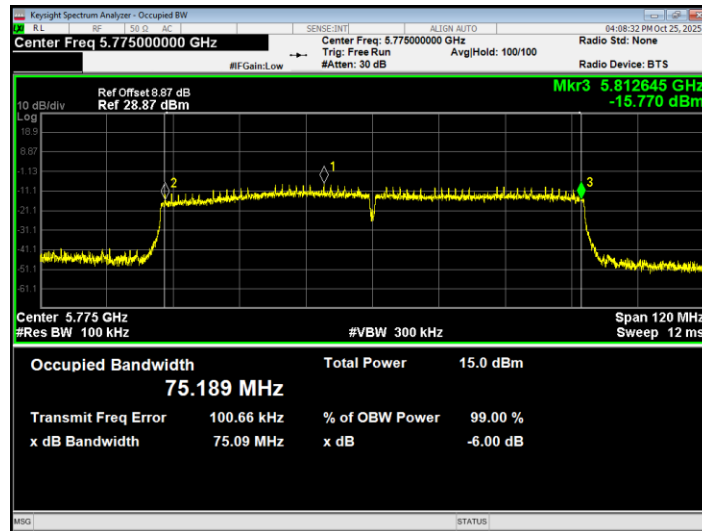
-6dB Bandwidth NVNT ac40 5795MHz Ant1



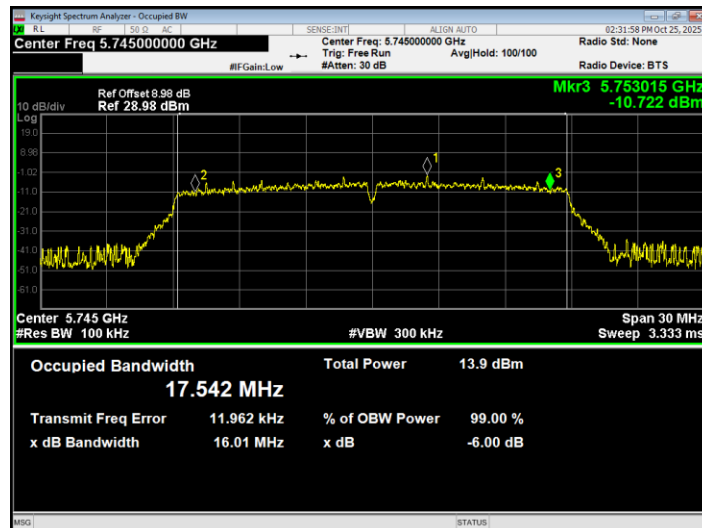


Shenzhen DL Testing Technology Co., Ltd.

-6dB Bandwidth NVNT ac80 5775MHz Ant1



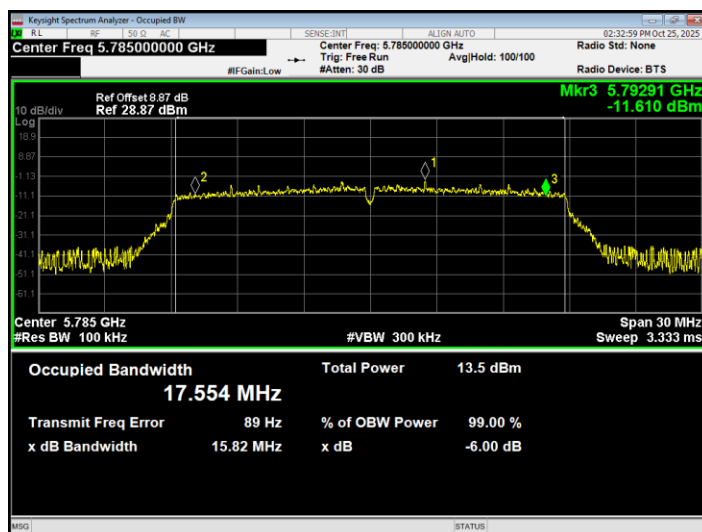
-6dB Bandwidth NVNT n20 5745MHz Ant1



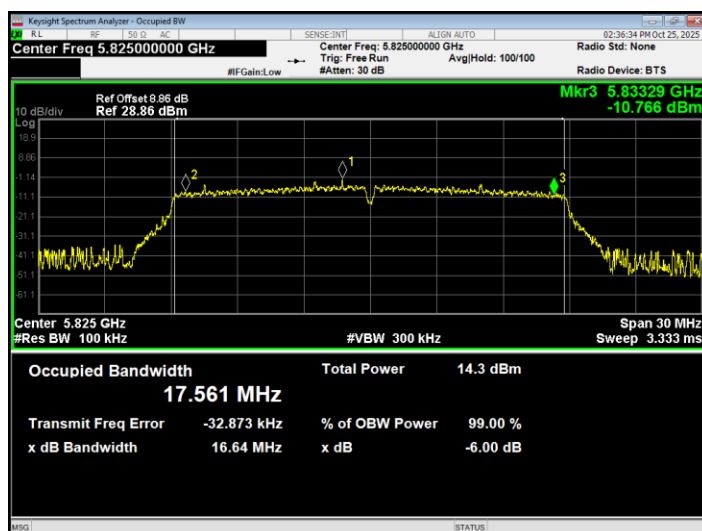


Shenzhen DL Testing Technology Co., Ltd.

-6dB Bandwidth NVNT n20 5785MHz Ant1



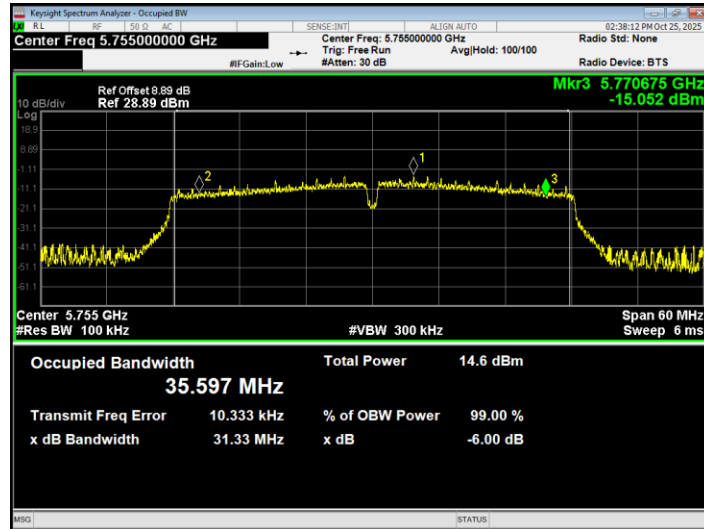
-6dB Bandwidth NVNT n20 5825MHz Ant1



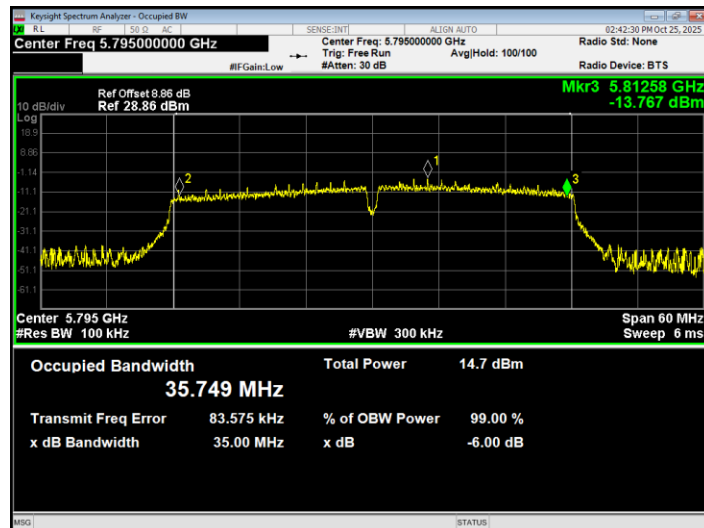


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-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant1





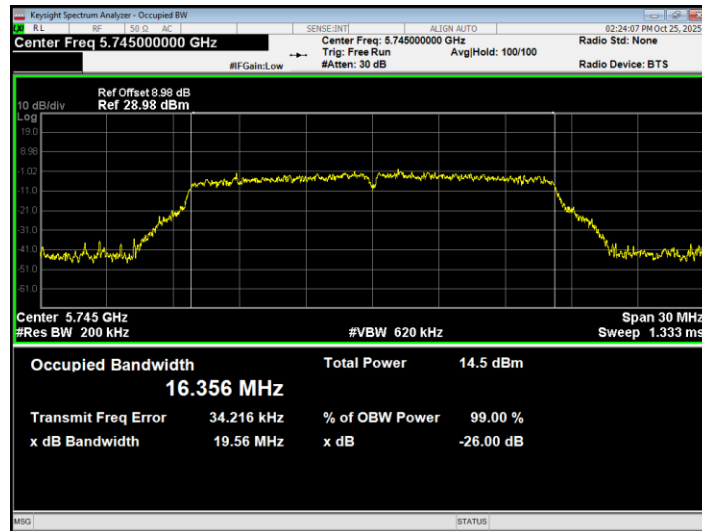
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.356
NVNT	a	5785	Ant1	16.405
NVNT	a	5825	Ant1	16.378
NVNT	ac20	5745	Ant1	17.601
NVNT	ac20	5785	Ant1	17.595
NVNT	ac20	5825	Ant1	17.587
NVNT	ac40	5755	Ant1	35.663
NVNT	ac40	5795	Ant1	35.906
NVNT	ac80	5775	Ant1	75.147
NVNT	n20	5745	Ant1	17.59
NVNT	n20	5785	Ant1	17.558
NVNT	n20	5825	Ant1	17.565
NVNT	n40	5755	Ant1	35.703
NVNT	n40	5795	Ant1	35.906

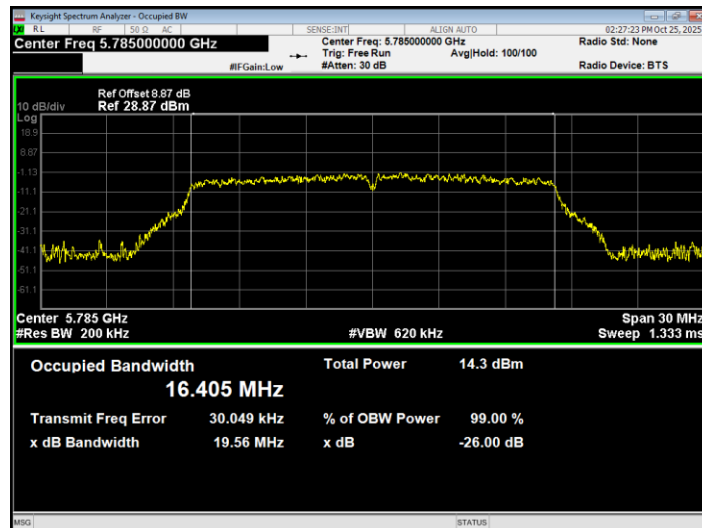


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OBW NVNT a 5745MHz Ant1



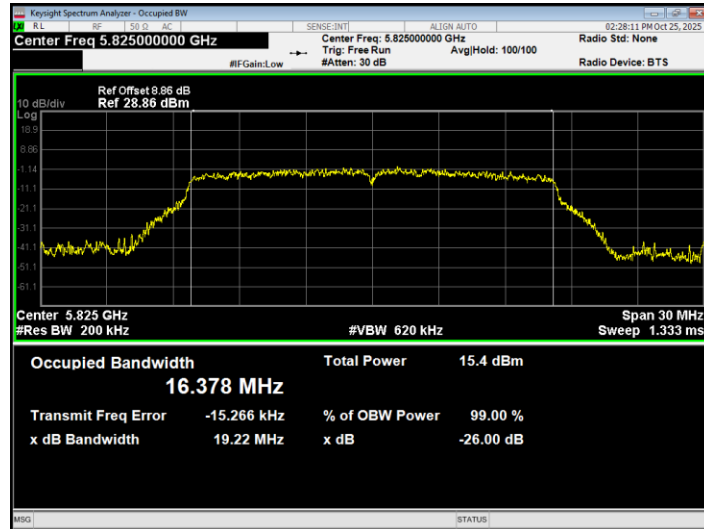
OBW NVNT a 5785MHz Ant1



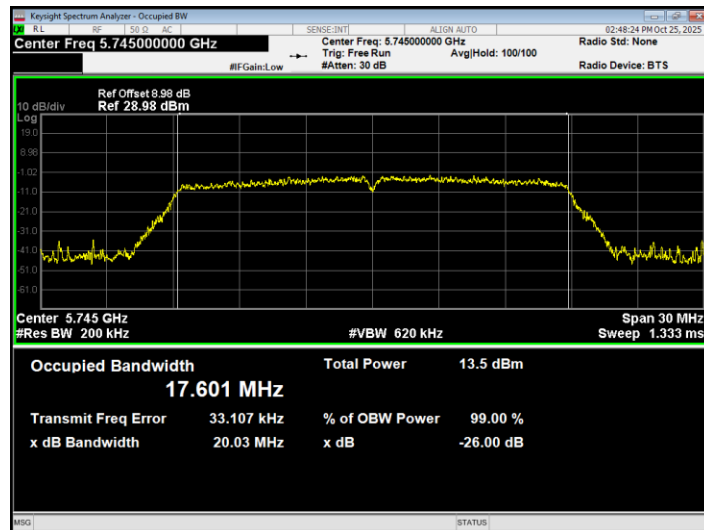


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OBW NVNT a 5825MHz Ant1



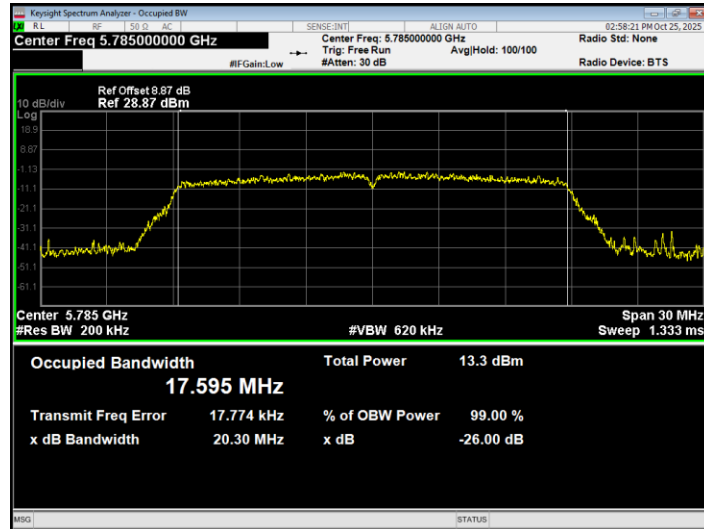
OBW NVNT ac20 5745MHz Ant1



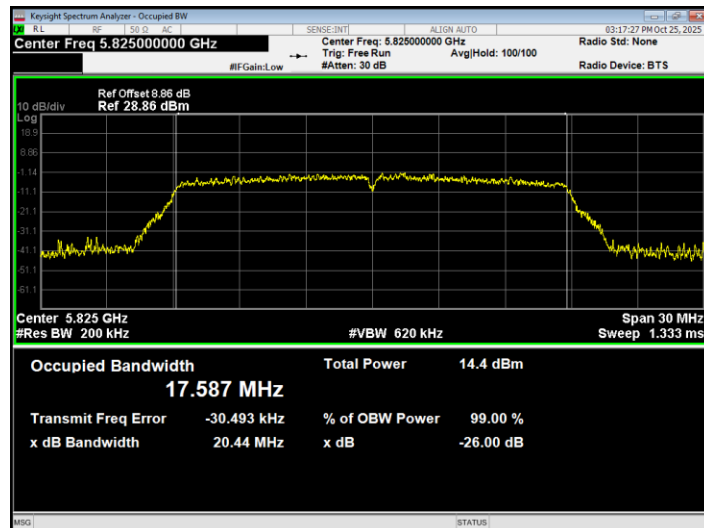


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OBW NVNT ac20 5785MHz Ant1



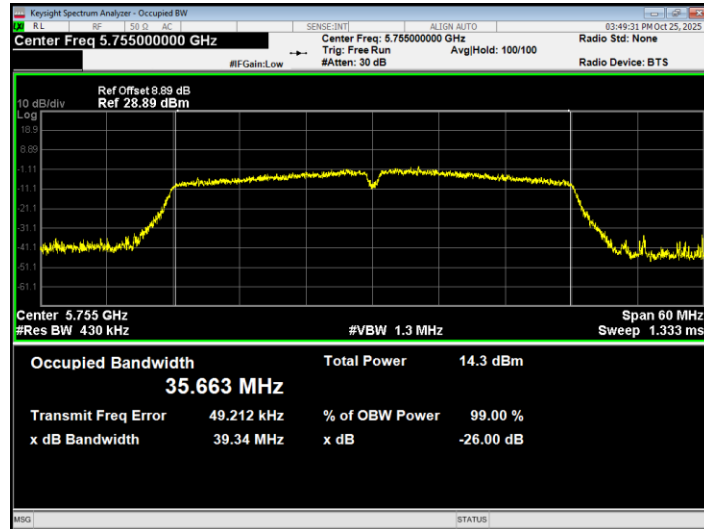
OBW NVNT ac20 5825MHz Ant1



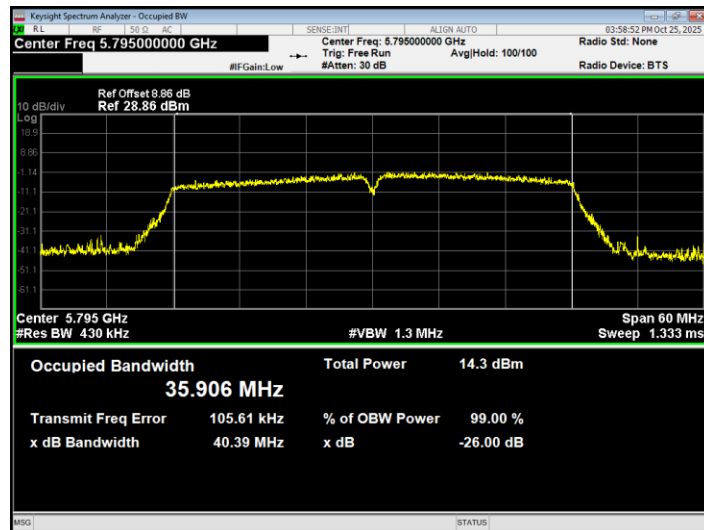


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OBW NVNT ac40 5755MHz Ant1



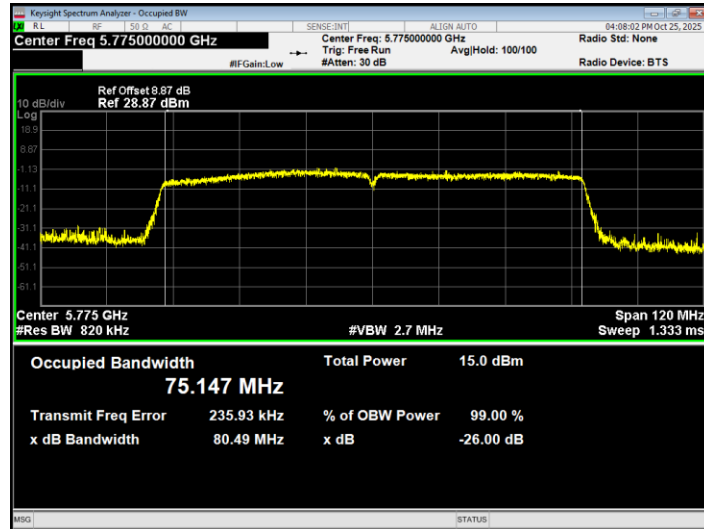
OBW NVNT ac40 5795MHz Ant1



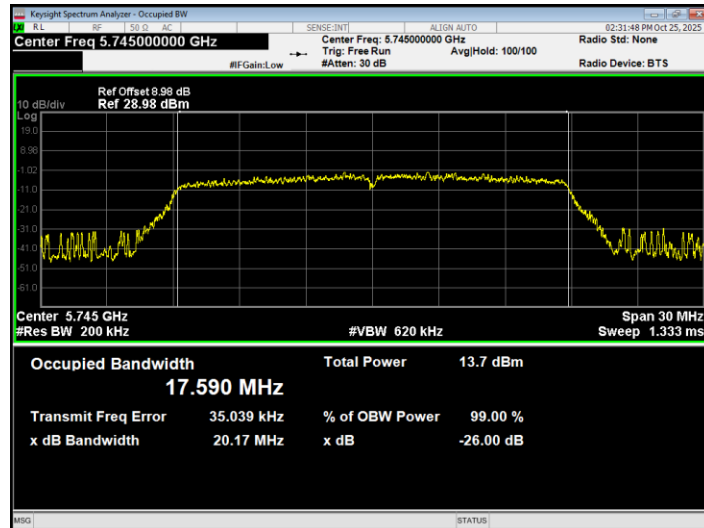


Shenzhen DL Testing Technology Co., Ltd.

OBW NVNT ac80 5775MHz Ant1



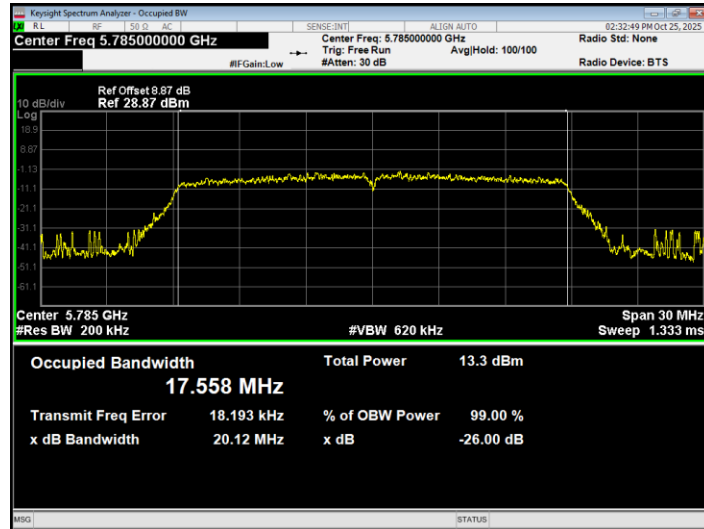
OBW NVNT n20 5745MHz Ant1



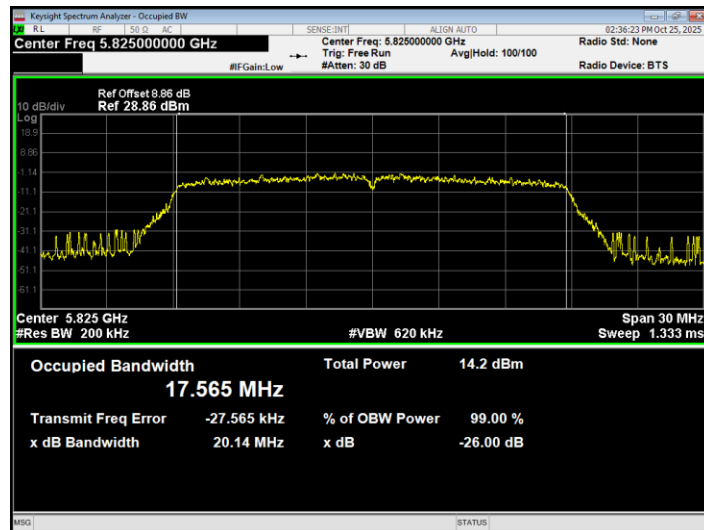


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OBW NVNT n20 5785MHz Ant1



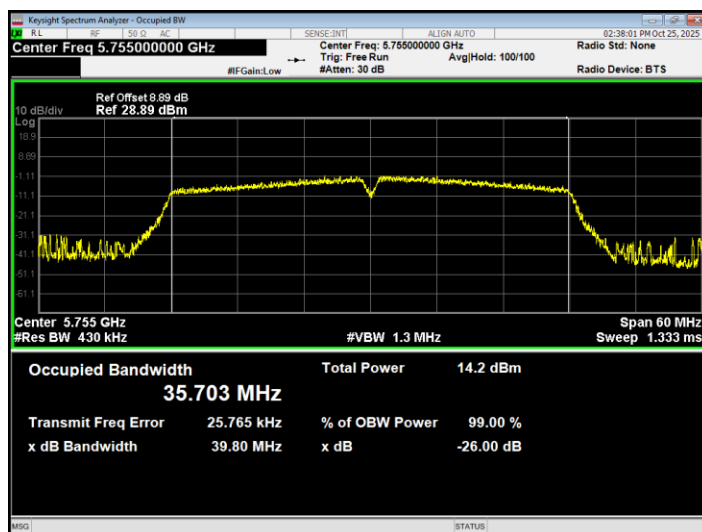
OBW NVNT n20 5825MHz Ant1



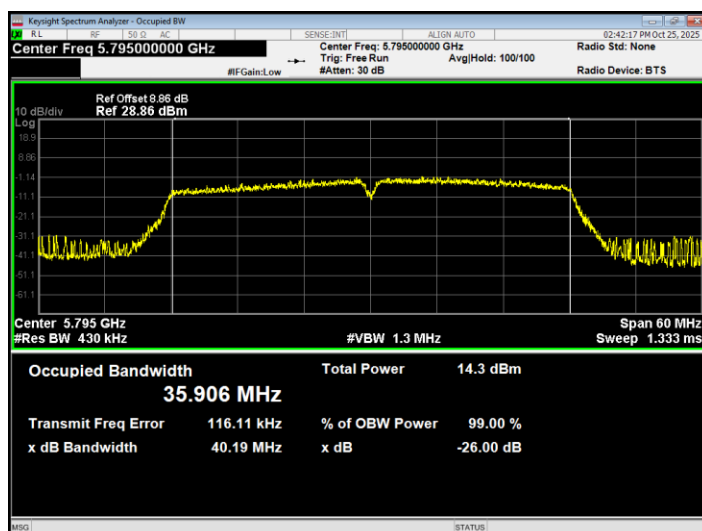


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OBW NVNT n40 5755MHz Ant1



OBW NVNT n40 5795MHz Ant1





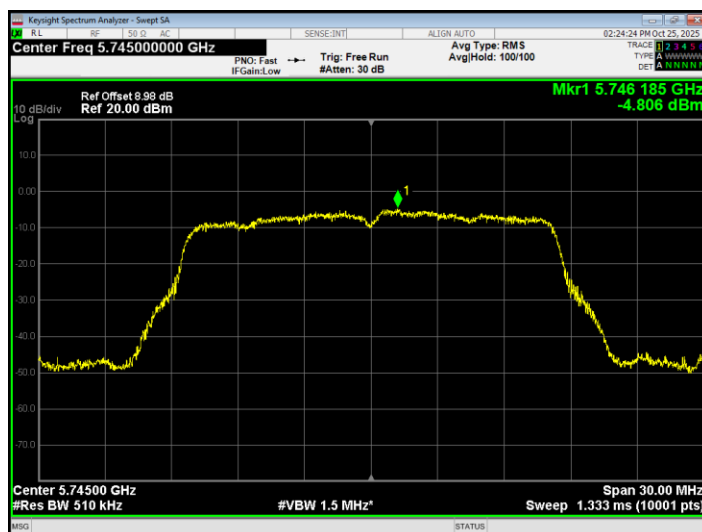
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-4.806	1.06	-3.746	30	Pass
NVNT	a	5785	Ant1	-5.258	0.87	-4.388	30	Pass
NVNT	a	5825	Ant1	-4.068	1.06	-3.008	30	Pass
NVNT	ac20	5745	Ant1	-5.02	0.13	-4.89	30	Pass
NVNT	ac20	5785	Ant1	-5.115	0.13	-4.985	30	Pass
NVNT	ac20	5825	Ant1	-4.338	0.13	-4.208	30	Pass
NVNT	ac40	5755	Ant1	-6.403	0.32	-6.083	30	Pass
NVNT	ac40	5795	Ant1	-6.973	0.26	-6.713	30	Pass
NVNT	ac80	5775	Ant1	-10.612	0.51	-10.102	30	Pass
NVNT	n20	5745	Ant1	-4.9	0.13	-4.77	30	Pass
NVNT	n20	5785	Ant1	-5.072	0.13	-4.942	30	Pass
NVNT	n20	5825	Ant1	-4.209	0.13	-4.079	30	Pass
NVNT	n40	5755	Ant1	-6.942	0.26	-6.682	30	Pass
NVNT	n40	5795	Ant1	-6.885	0.26	-6.625	30	Pass



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PSD NVNT a 5745MHz Ant1



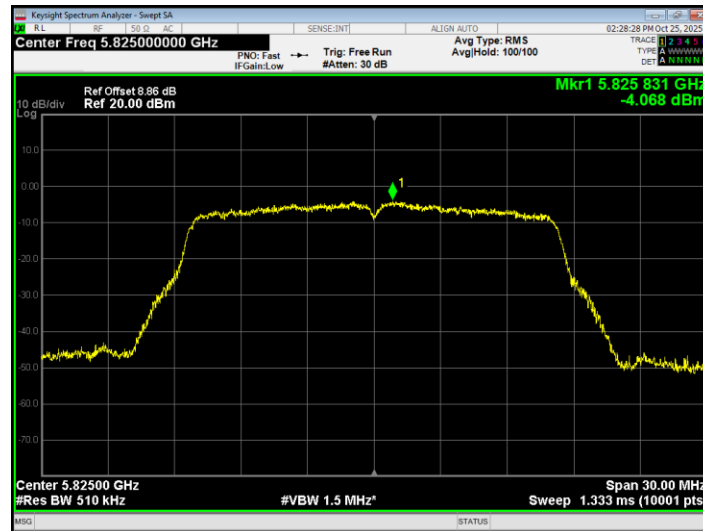
PSD NVNT a 5785MHz Ant1





Shenzhen DL Testing Technology Co., Ltd.

PSD NVNT a 5825MHz Ant1



PSD NVNT ac20 5745MHz Ant1





Shenzhen DL Testing Technology Co., Ltd.

PSD NVNT ac20 5785MHz Ant1



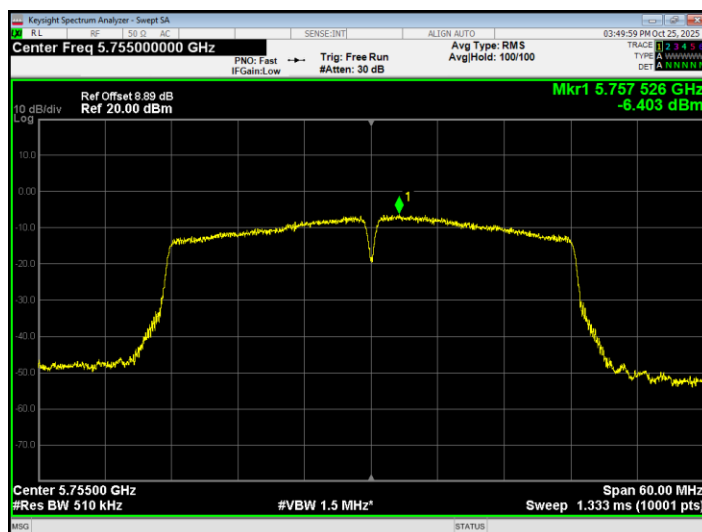
PSD NVNT ac20 5825MHz Ant1





Shenzhen DL Testing Technology Co., Ltd.

PSD NVNT ac40 5755MHz Ant1



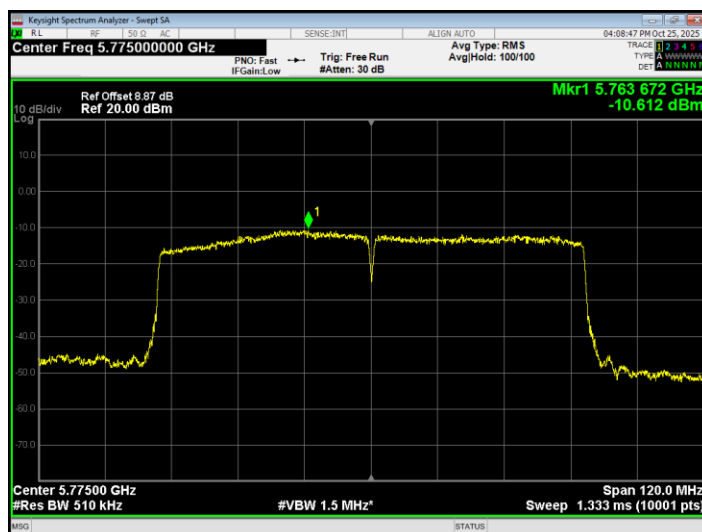
PSD NVNT ac40 5795MHz Ant1



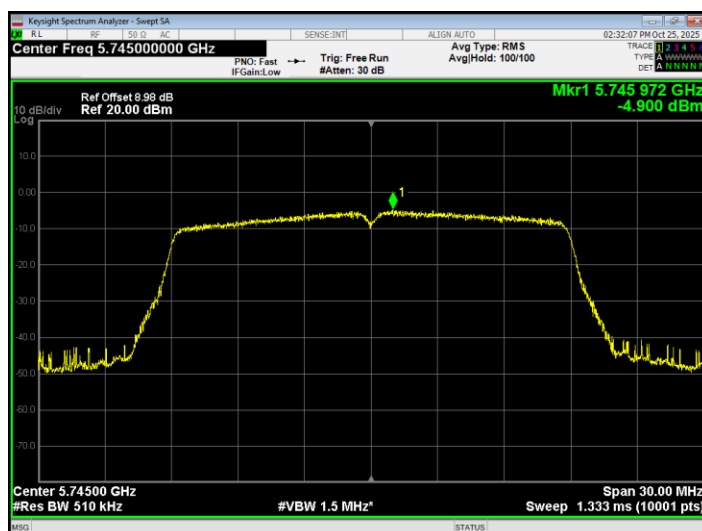


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PSD NVNT ac80 5775MHz Ant1



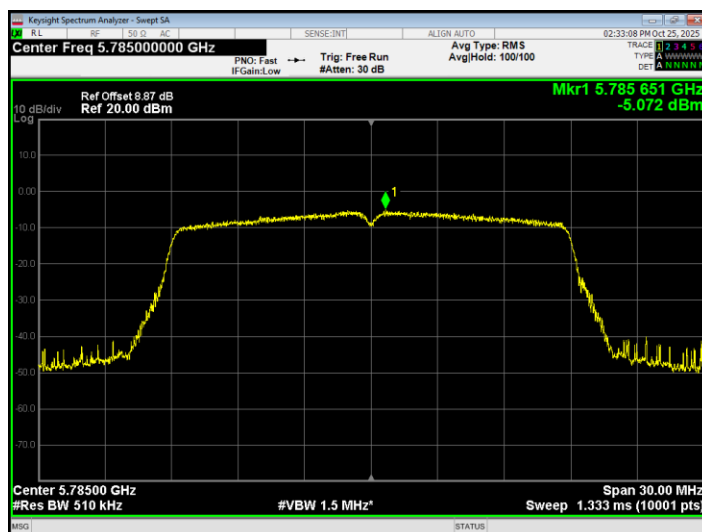
PSD NVNT n20 5745MHz Ant1



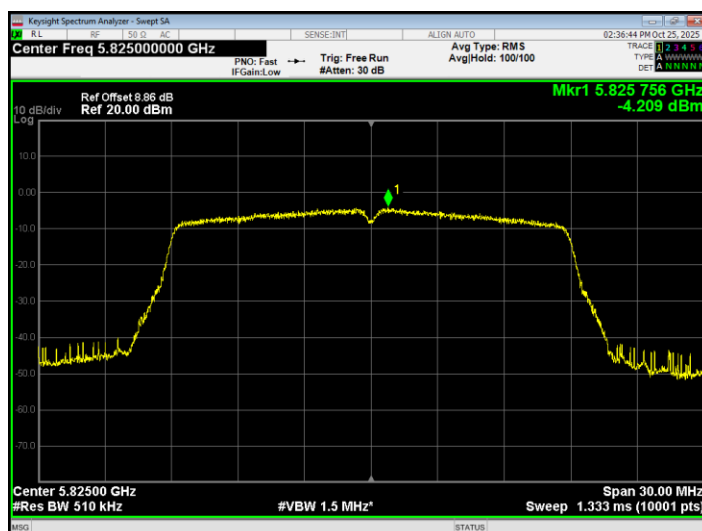


Shenzhen DL Testing Technology Co., Ltd.

PSD NVNT n20 5785MHz Ant1



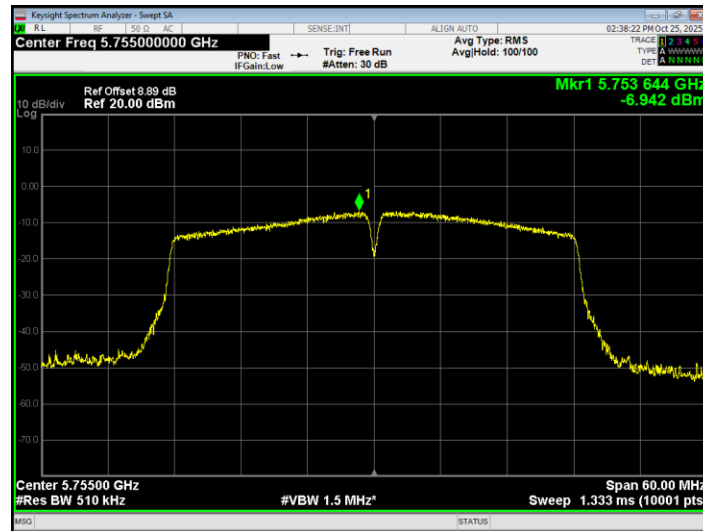
PSD NVNT n20 5825MHz Ant1





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PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1



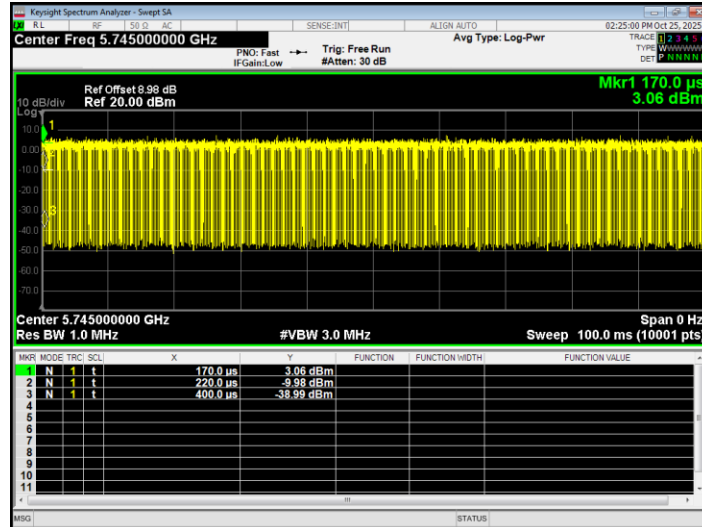


Duty Cycle

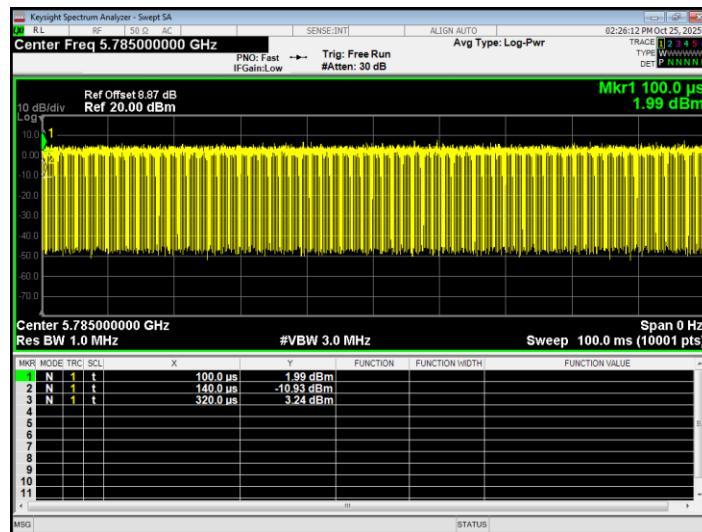
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant2	78.26	1.06
NVNT	a	5785	Ant2	81.82	0.87
NVNT	a	5825	Ant2	81.82	0.87
NVNT	ac20	5745	Ant2	97.06	0.13
NVNT	ac20	5785	Ant2	97.06	0.13
NVNT	ac20	5825	Ant2	97.06	0.13
NVNT	ac40	5755	Ant2	94.2	0.26
NVNT	ac40	5795	Ant2	92.86	0.32
NVNT	ac80	5775	Ant2	89.19	0.5
NVNT	n20	5745	Ant2	96.3	0.16
NVNT	n20	5785	Ant2	96.3	0.16
NVNT	n20	5825	Ant2	97.01	0.13
NVNT	n40	5755	Ant2	94.2	0.26
NVNT	n40	5795	Ant2	94.2	0.26



Duty Cycle NVNT a 5745MHz Ant2



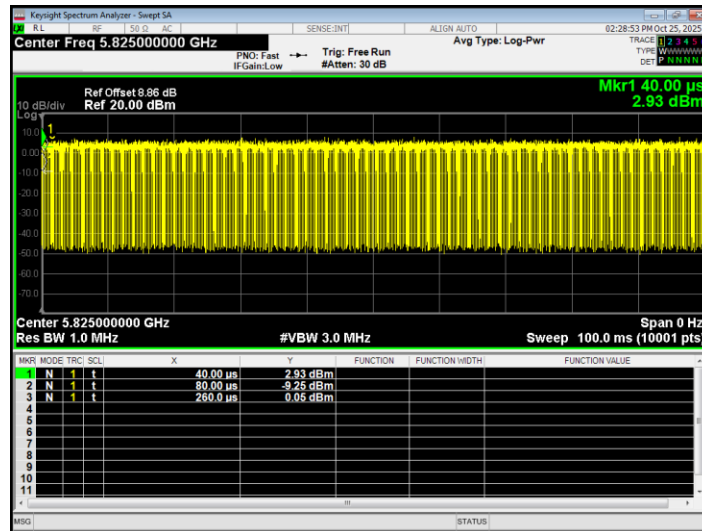
Duty Cycle NVNT a 5785MHz Ant2



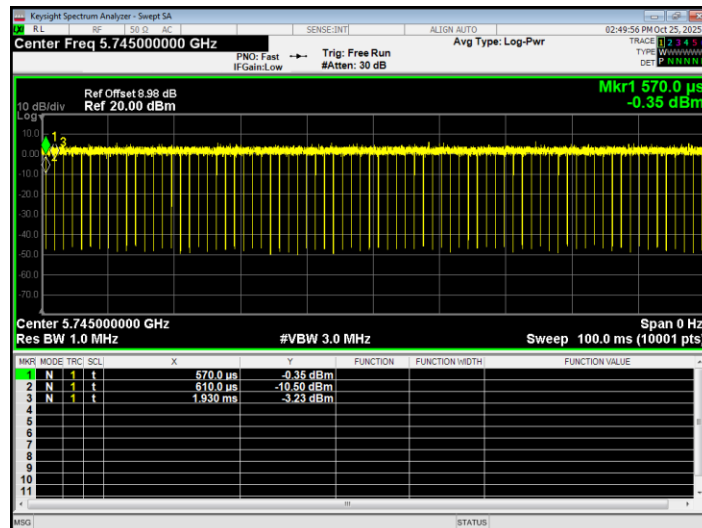


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Duty Cycle NVNT a 5825MHz Ant2



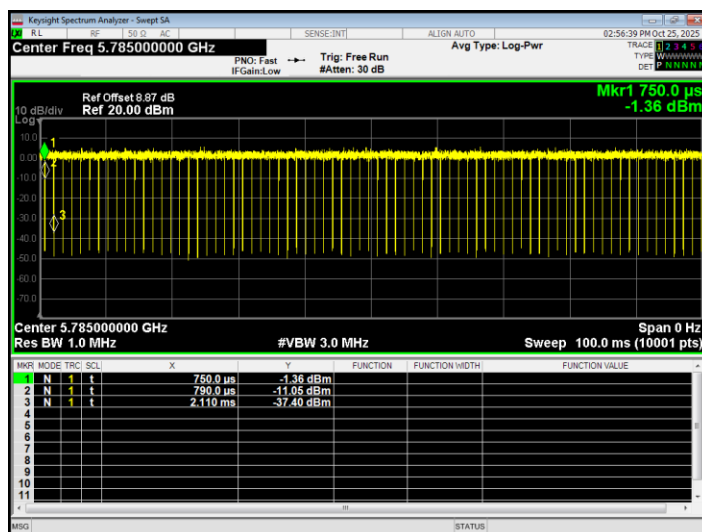
Duty Cycle NVNT ac20 5745MHz Ant2





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Duty Cycle NVNT ac20 5785MHz Ant2



Duty Cycle NVNT ac20 5825MHz Ant2

