



Appendix 1

FCC Test Report

FCC ID: 2BS07-SPAMW21XXE

Applicant:	SUNPLUS TECHNOLOGY CO., LTD.
Address:	19, Innovation First Road Hsinchu Science Park, Taiwan 30076
Manufacturer:	SUNPLUS TECHNOLOGY CO., LTD.
Address:	19, Innovation First Road Hsinchu Science Park, Taiwan 30076
EUT:	Wireless Audio Module
Trade Mark:	N/A
Model Number:	SPA-MW21xx-E
Date of Receipt:	Oct. 10, 2025
Test Date:	Oct. 10, 2025 - Oct. 22, 2025
Date of Report:	Oct. 22, 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



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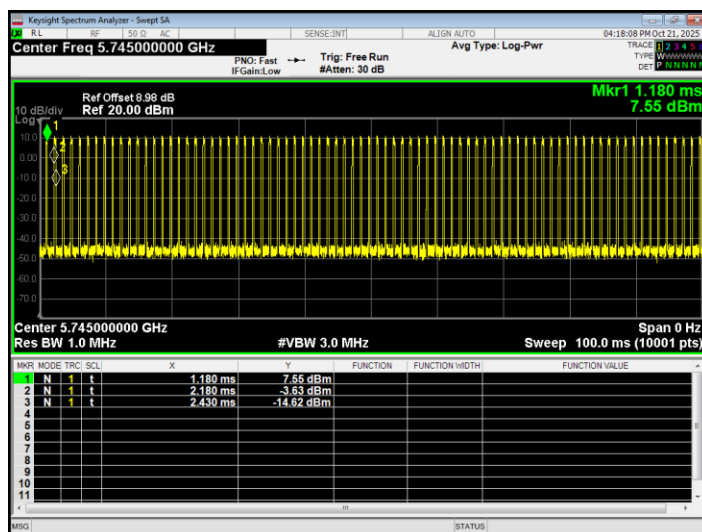
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	20	6.99
NVNT	a	5785	Ant1	19.2	7.17
NVNT	a	5825	Ant1	19.35	7.13
NVNT	n20	5745	Ant1	18.7	7.28
NVNT	n20	5785	Ant1	18.03	7.44
NVNT	n20	5825	Ant1	18.7	7.28
NVNT	n40	5755	Ant1	11.5	9.39
NVNT	n40	5795	Ant1	11.5	9.39

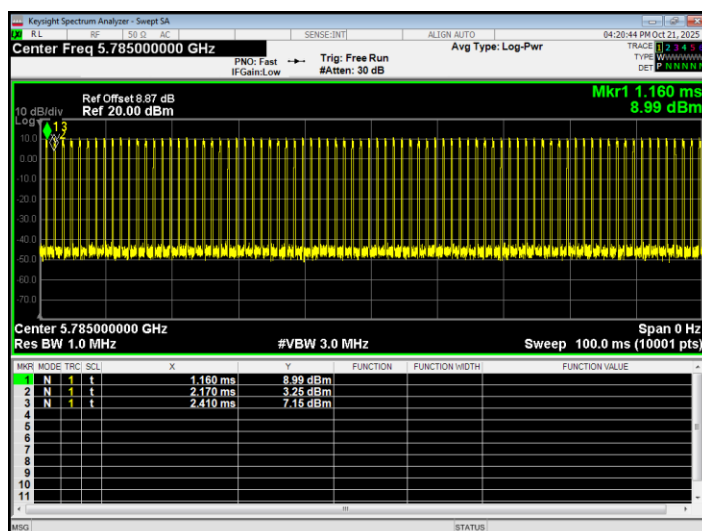


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Duty Cycle NVNT a 5745MHz Ant1



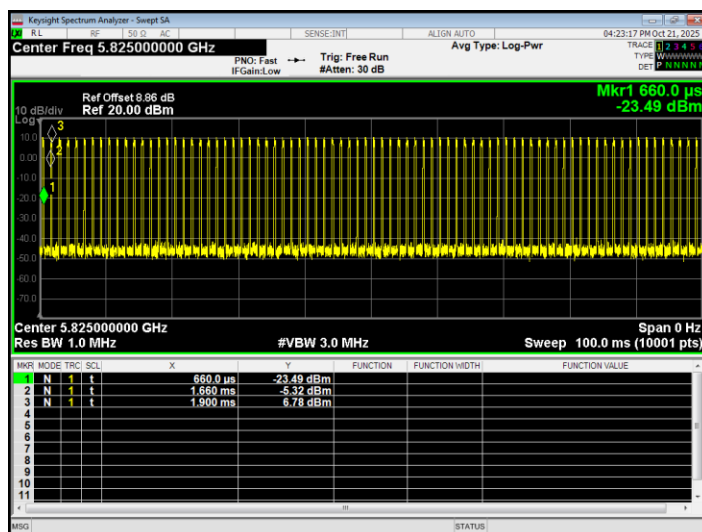
Duty Cycle NVNT a 5785MHz Ant1



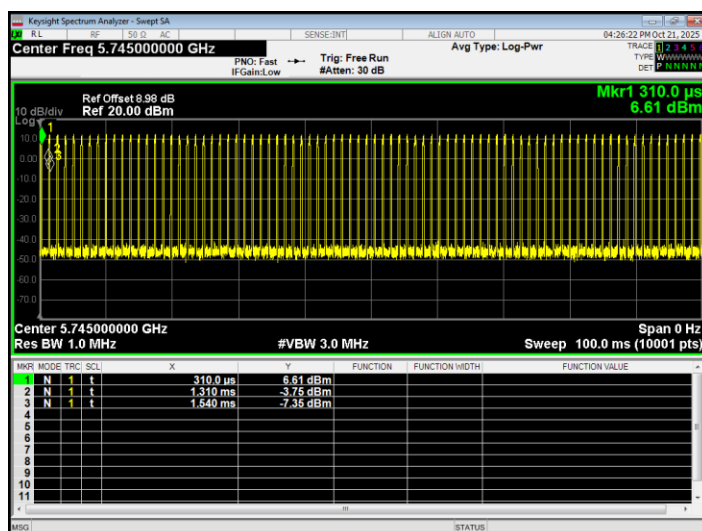


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Duty Cycle NVNT a 5825MHz Ant1



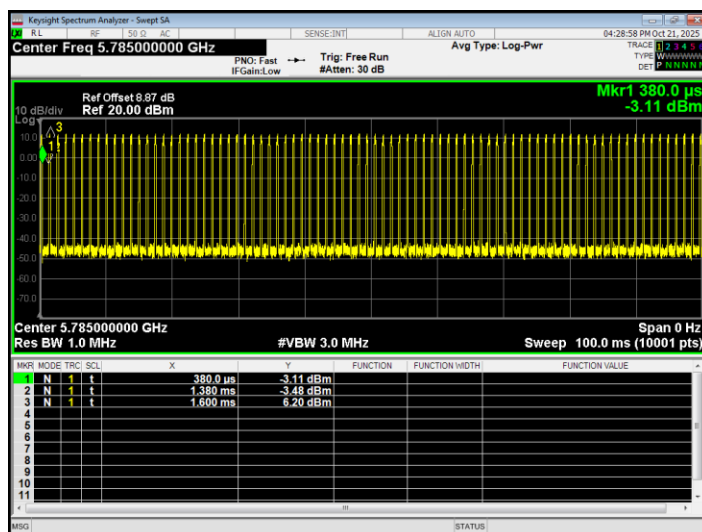
Duty Cycle NVNT n20 5745MHz Ant1



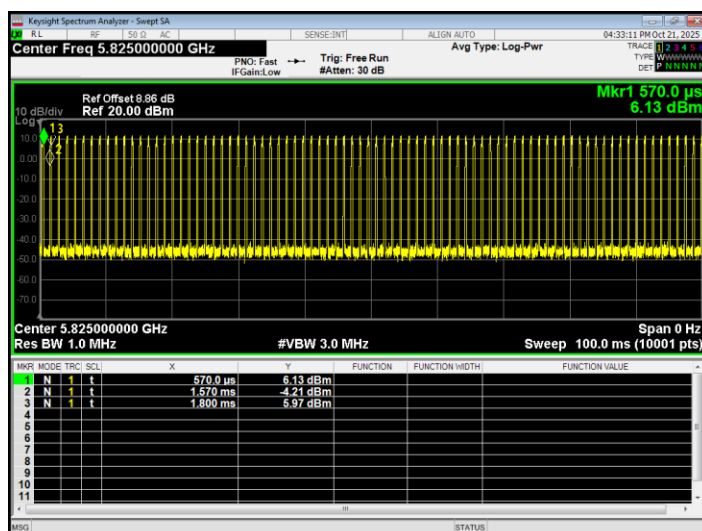


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Duty Cycle NVNT n20 5785MHz Ant1



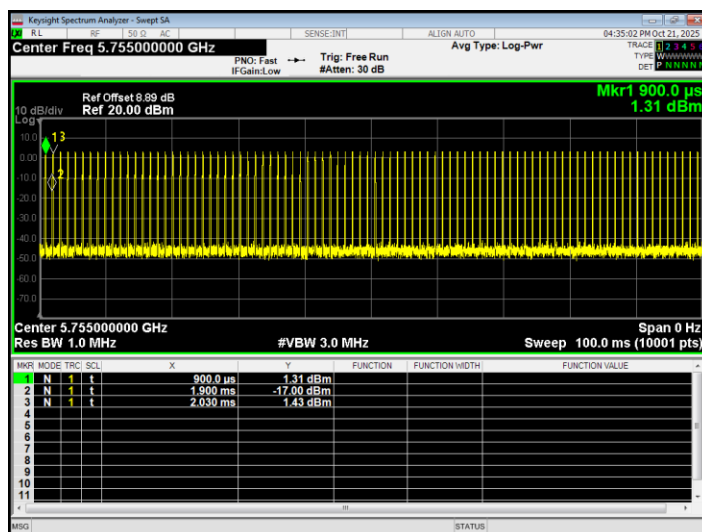
Duty Cycle NVNT n20 5825MHz Ant1



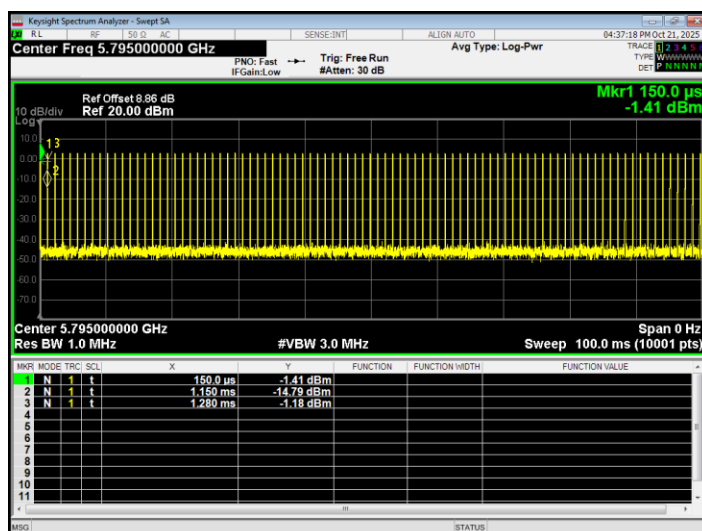


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Duty Cycle NVNT n40 5755MHz Ant1



Duty Cycle NVNT n40 5795MHz Ant1





Conducted Band Edge

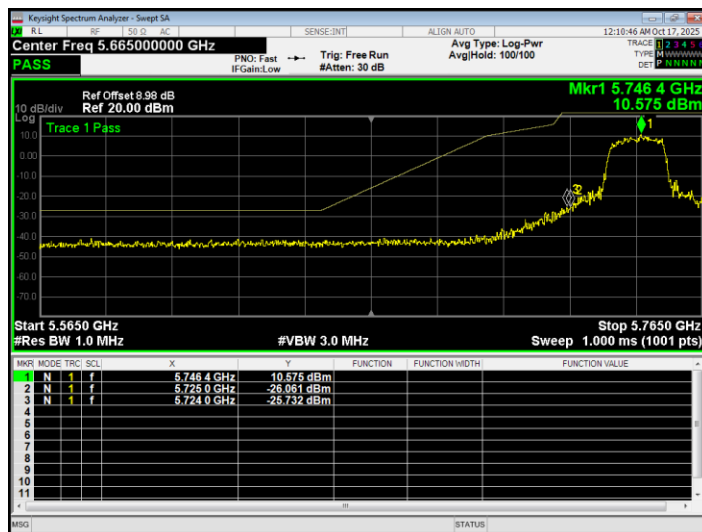
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-25.73	15.6	Pass
NVNT	a	5825	Ant1	-28.99	15.6	Pass
NVNT	n20	5745	Ant1	-20.52	15.6	Pass
NVNT	n20	5825	Ant1	-25.71	15.6	Pass
NVNT	n40	5755	Ant1	-17.65	13.2	Pass
NVNT	n40	5795	Ant1	-28.45	15.6	Pass

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

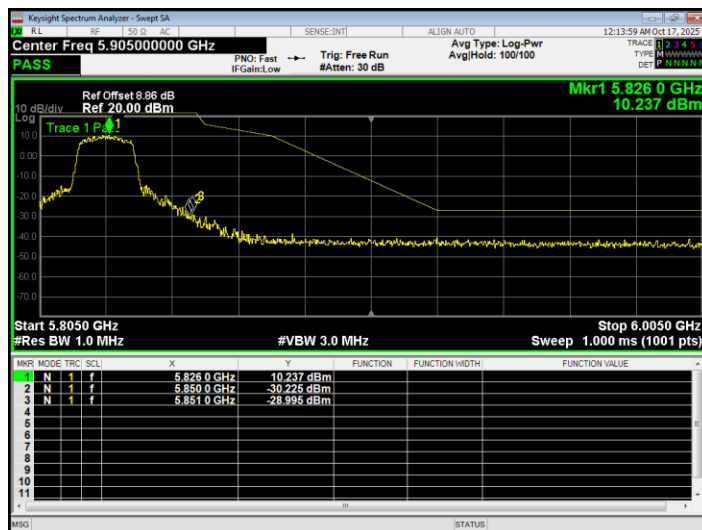


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Band Edge NVNT a 5745MHz Low Ant1



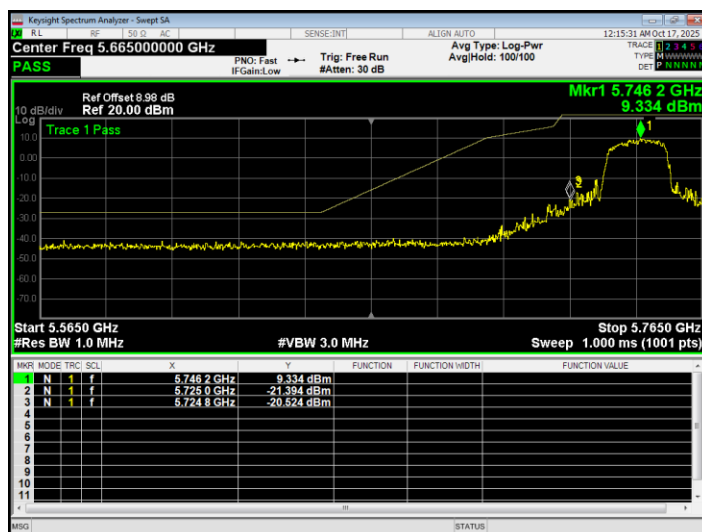
Band Edge NVNT a 5825MHz High Ant1



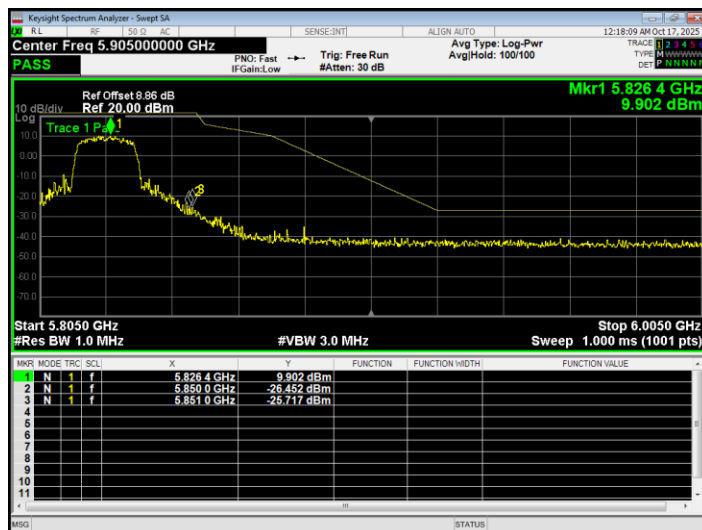


Shenzhen DL Testing Technology Co., Ltd.

Band Edge NVNT n20 5745MHz Low Ant1



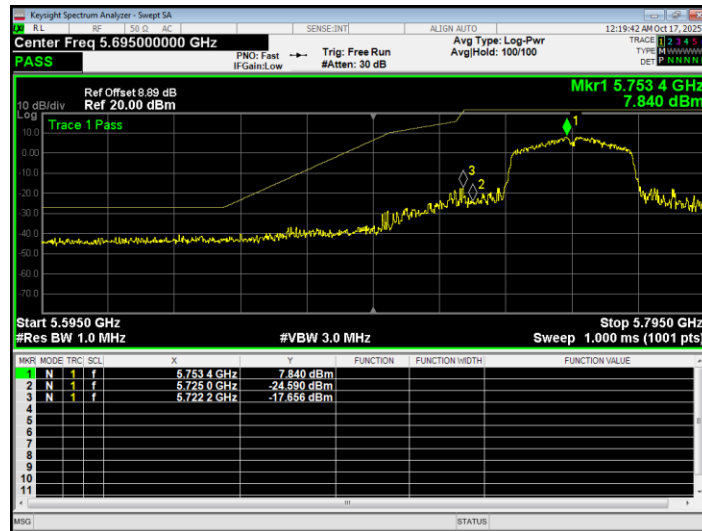
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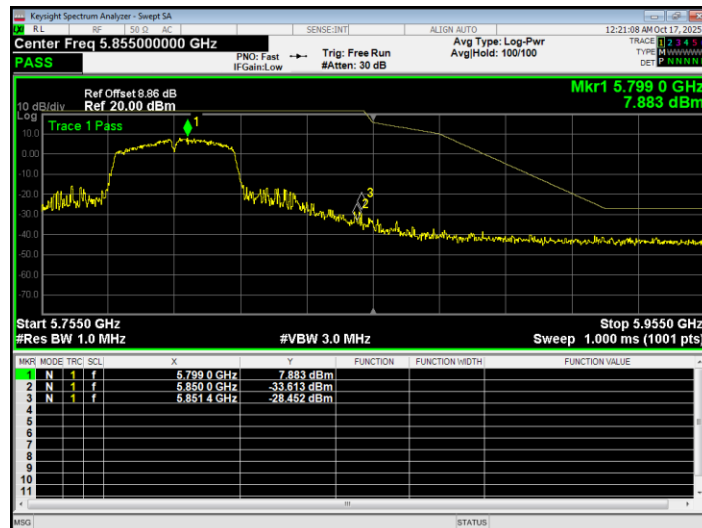


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Band Edge NVNT n40 5755MHz Low Ant1



Band Edge NVNT n40 5795MHz High Ant1





Shenzhen DL Testing Technology Co., Ltd.

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	7.93	6.99	14.92	30	Pass
NVNT	a	5785	Ant1	7.759	7.17	14.929	30	Pass
NVNT	a	5825	Ant1	6.83	7.13	13.96	30	Pass
NVNT	n20	5745	Ant1	8.766	7.28	16.046	30	Pass
NVNT	n20	5785	Ant1	8.553	7.44	15.993	30	Pass
NVNT	n20	5825	Ant1	8.378	7.28	15.658	30	Pass
NVNT	n40	5755	Ant1	6.059	9.39	15.449	30	Pass
NVNT	n40	5795	Ant1	5.448	9.39	14.838	30	Pass



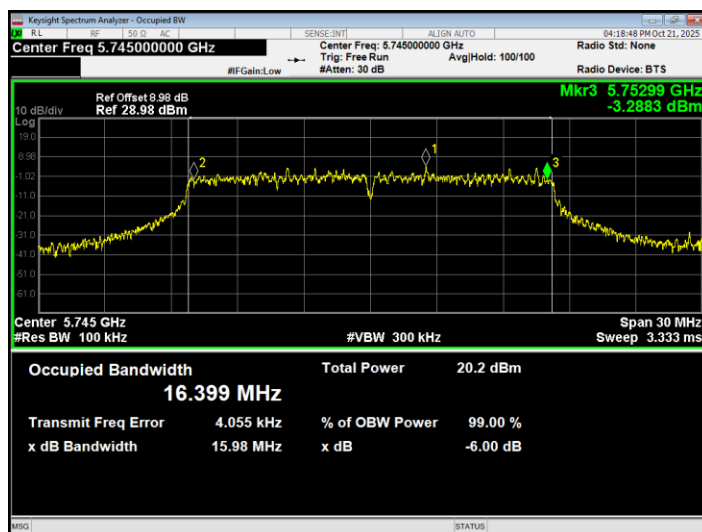
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	15.98	0.5	Pass
NVNT	a	5785	Ant1	16.1	0.5	Pass
NVNT	a	5825	Ant1	16.37	0.5	Pass
NVNT	n20	5745	Ant1	17.36	0.5	Pass
NVNT	n20	5785	Ant1	17.3	0.5	Pass
NVNT	n20	5825	Ant1	17.28	0.5	Pass
NVNT	n40	5755	Ant1	35.6	0.5	Pass
NVNT	n40	5795	Ant1	35.52	0.5	Pass

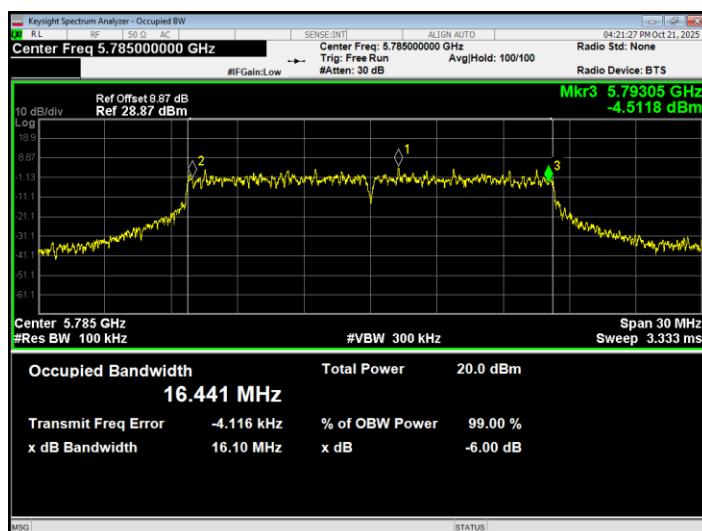


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-6dB Bandwidth NVNT a 5745MHz Ant1



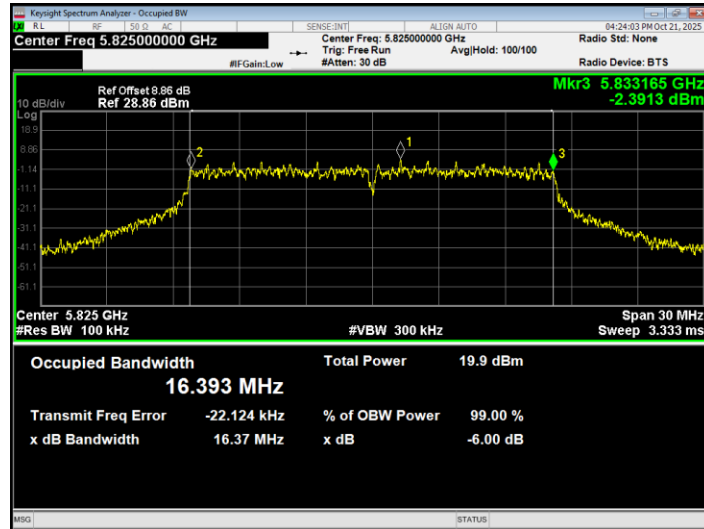
-6dB Bandwidth NVNT a 5785MHz Ant1



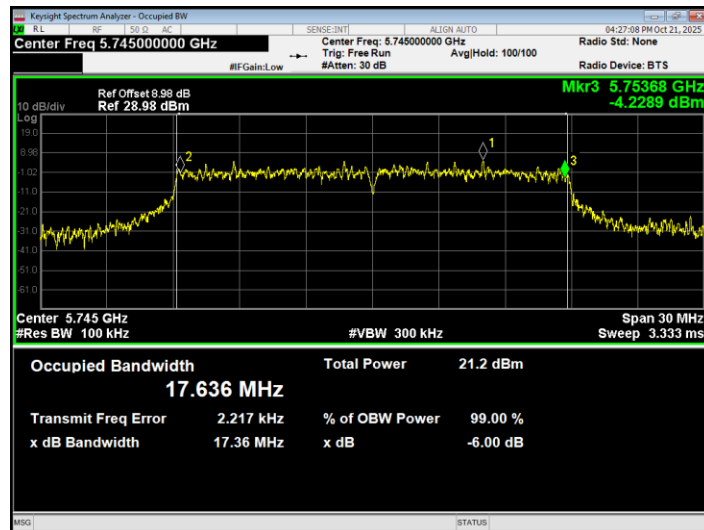


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-6dB Bandwidth NVNT a 5825MHz Ant1



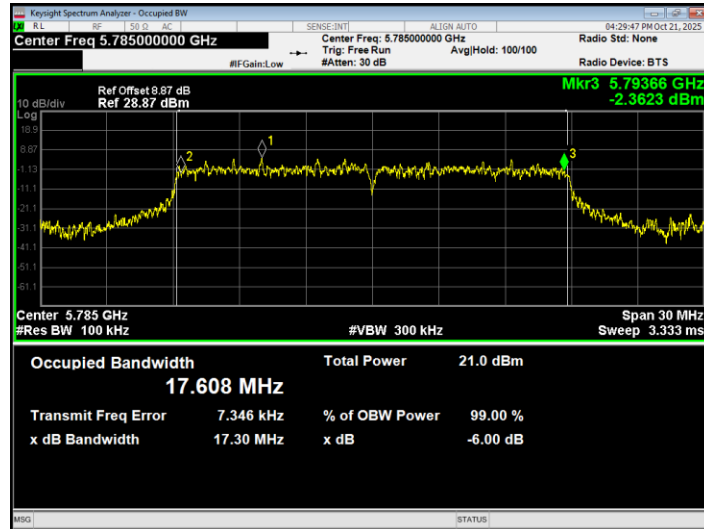
-6dB Bandwidth NVNT n20 5745MHz Ant1



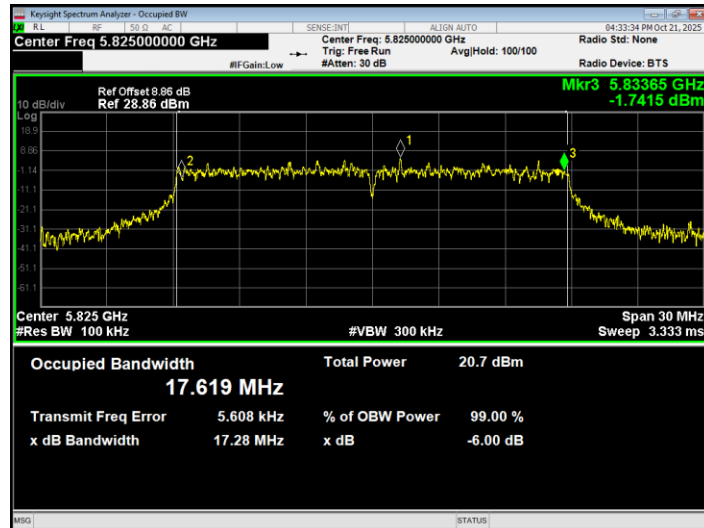


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-6dB Bandwidth NVNT n20 5785MHz Ant1



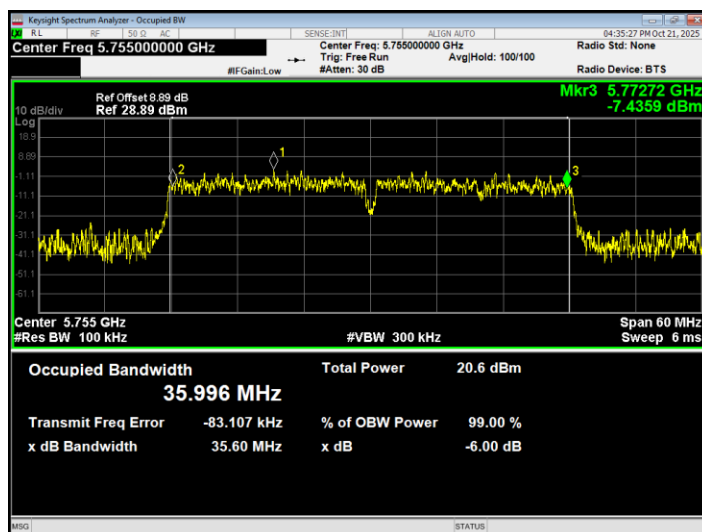
-6dB Bandwidth NVNT n20 5825MHz Ant1



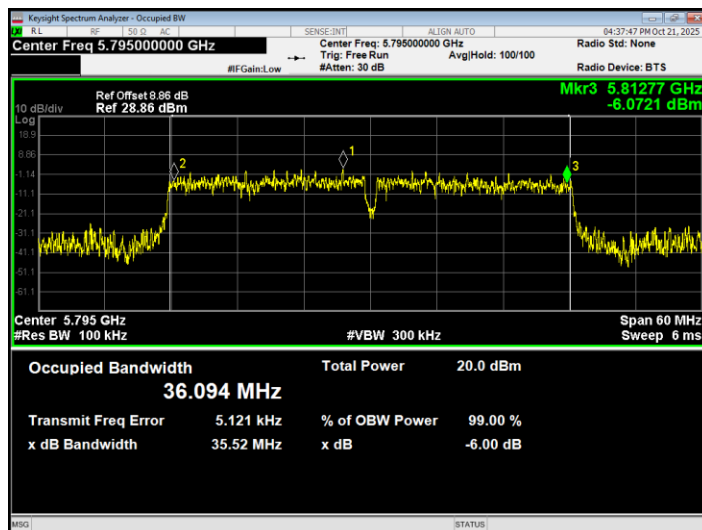


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-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant1





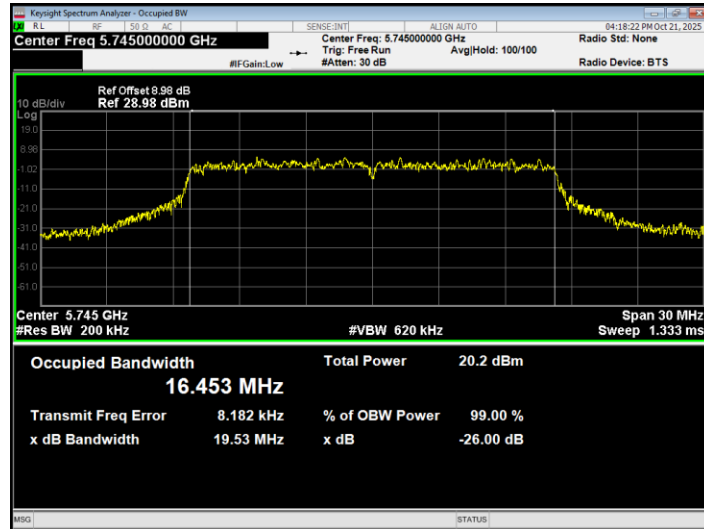
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.453
NVNT	a	5785	Ant1	16.449
NVNT	a	5825	Ant1	16.474
NVNT	n20	5745	Ant1	17.67
NVNT	n20	5785	Ant1	17.711
NVNT	n20	5825	Ant1	17.681
NVNT	n40	5755	Ant1	36.08
NVNT	n40	5795	Ant1	36.082

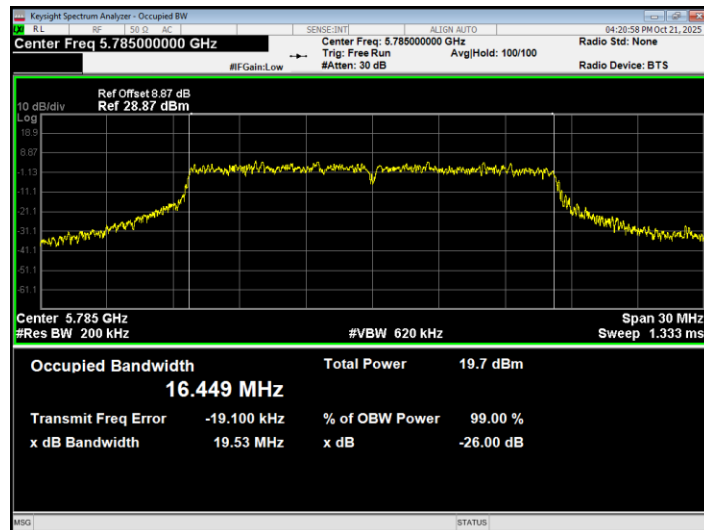


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OBW NVNT a 5745MHz Ant1



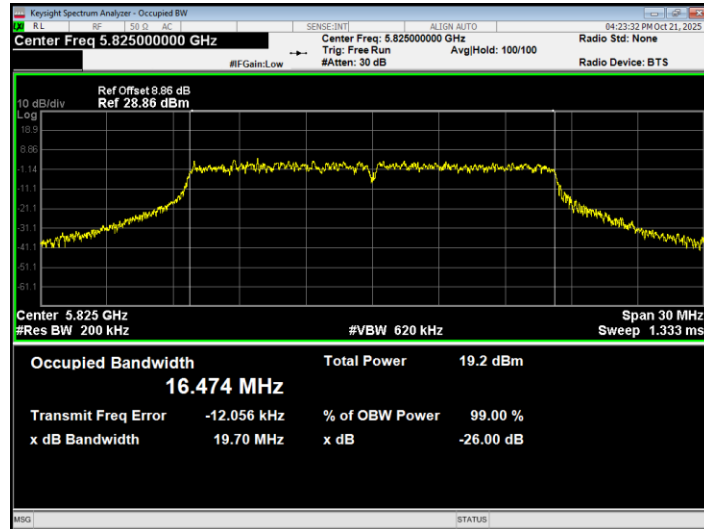
OBW NVNT a 5785MHz Ant1



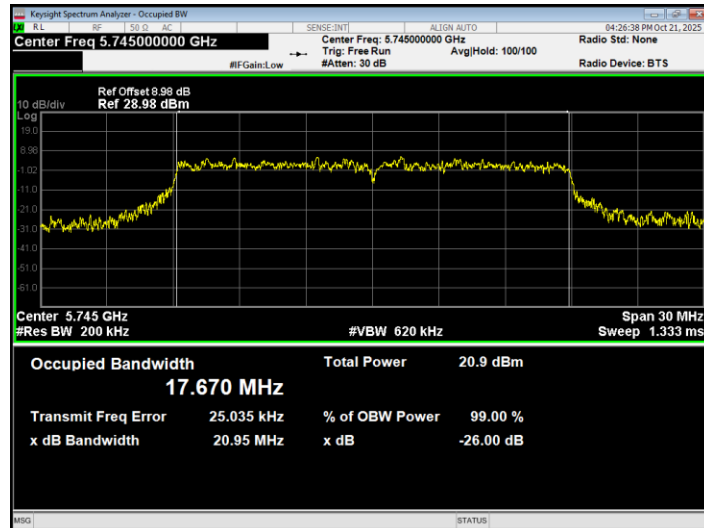


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OBW NVNT a 5825MHz Ant1



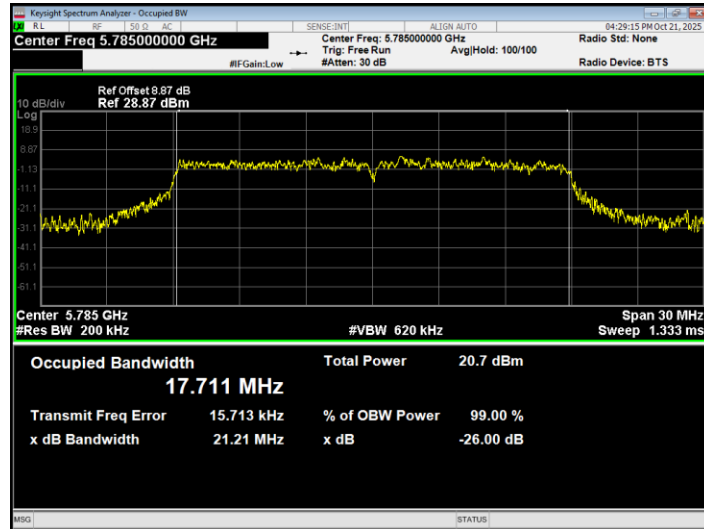
OBW NVNT n20 5745MHz Ant1



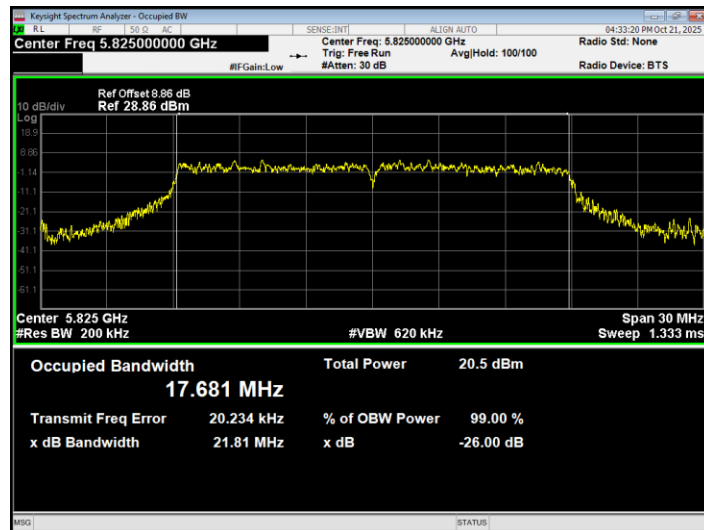


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OBW NVNT n20 5785MHz Ant1



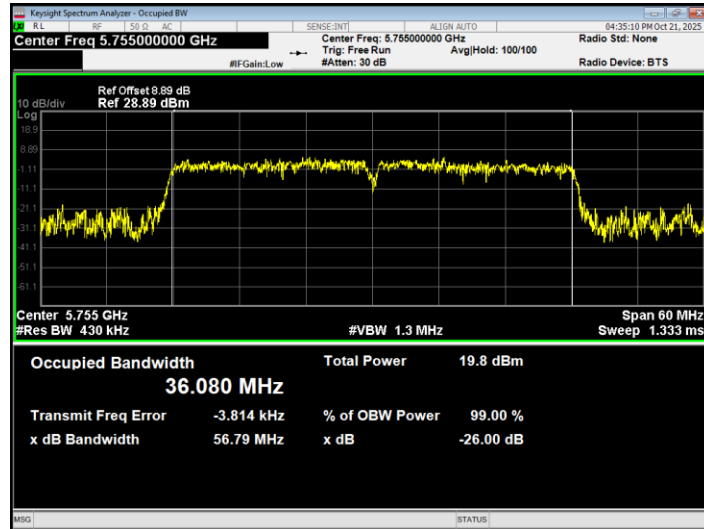
OBW NVNT n20 5825MHz Ant1



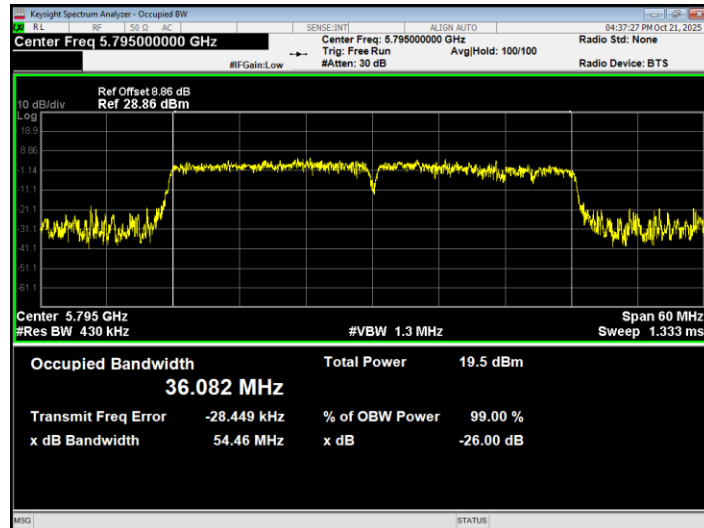


Shenzhen DL Testing Technology Co., Ltd.

OBW NVNT n40 5755MHz Ant1



OBW NVNT n40 5795MHz Ant1





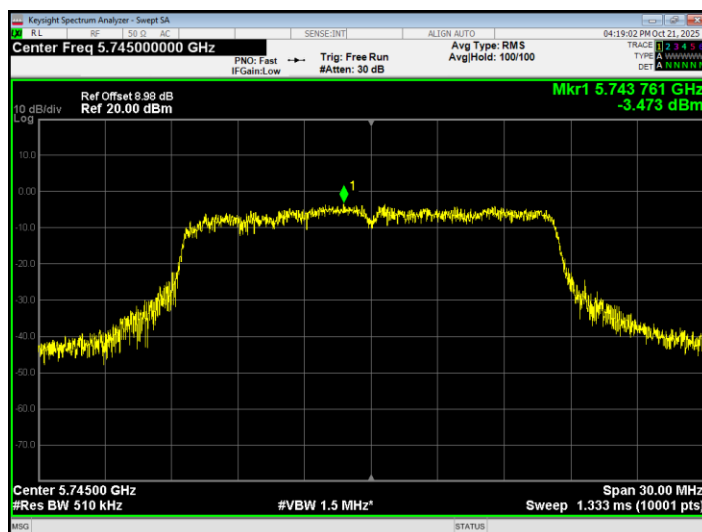
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-3.473	6.99	3.517	30	Pass
NVNT	a	5785	Ant1	-4.058	7.17	3.112	30	Pass
NVNT	a	5825	Ant1	-3.989	7.13	3.141	30	Pass
NVNT	n20	5745	Ant1	-3.287	7.28	3.993	30	Pass
NVNT	n20	5785	Ant1	-3.321	7.44	4.119	30	Pass
NVNT	n20	5825	Ant1	-3.515	7.28	3.765	30	Pass
NVNT	n40	5755	Ant1	-8.19	9.39	1.2	30	Pass
NVNT	n40	5795	Ant1	-7.369	9.39	2.021	30	Pass

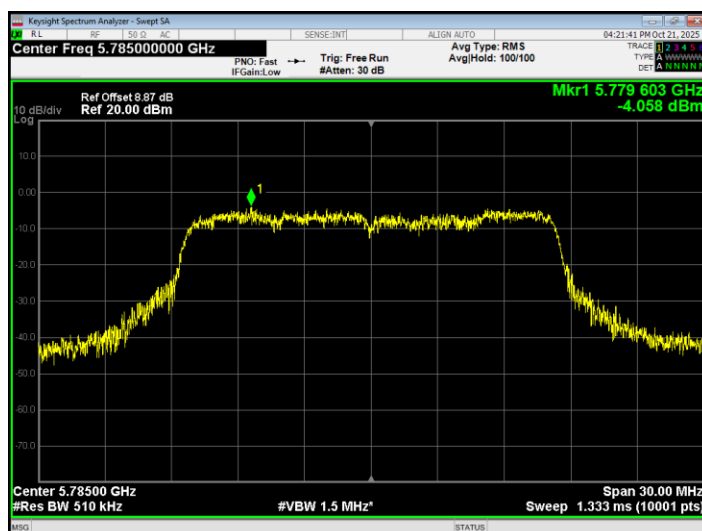


Shenzhen DL Testing Technology Co., Ltd.

PSD NVNT a 5745MHz Ant1



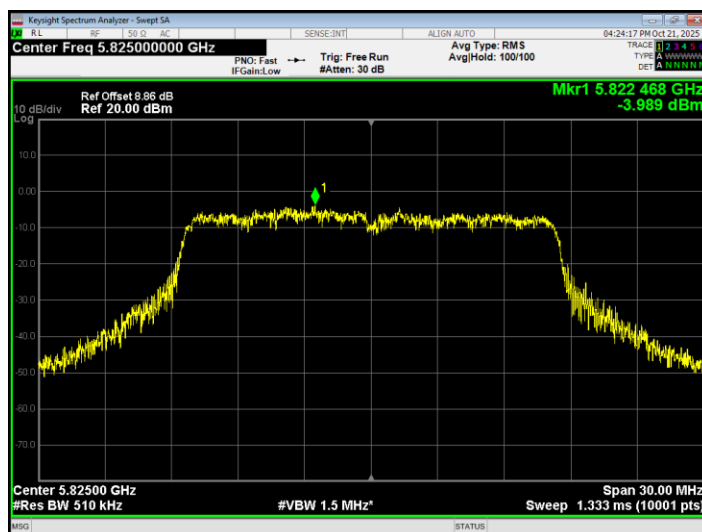
PSD NVNT a 5785MHz Ant1



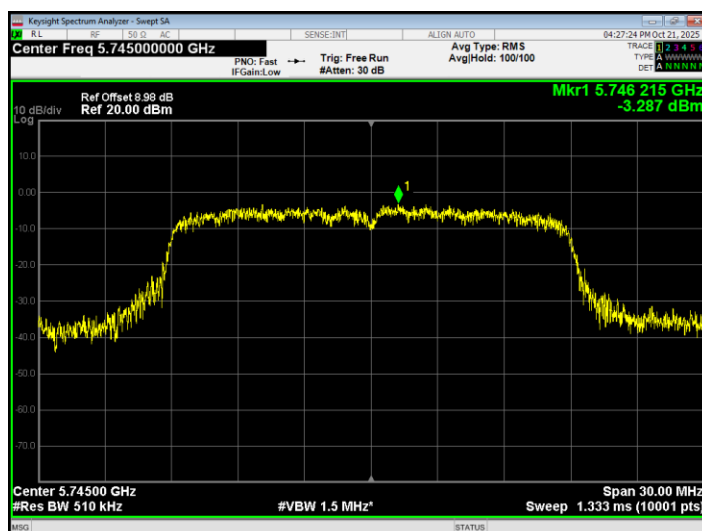


Shenzhen DL Testing Technology Co., Ltd.

PSD NVNT a 5825MHz Ant1



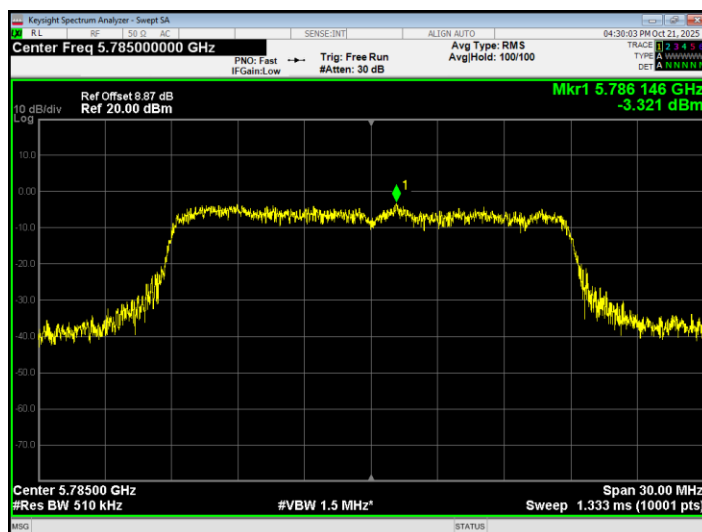
PSD NVNT n20 5745MHz Ant1



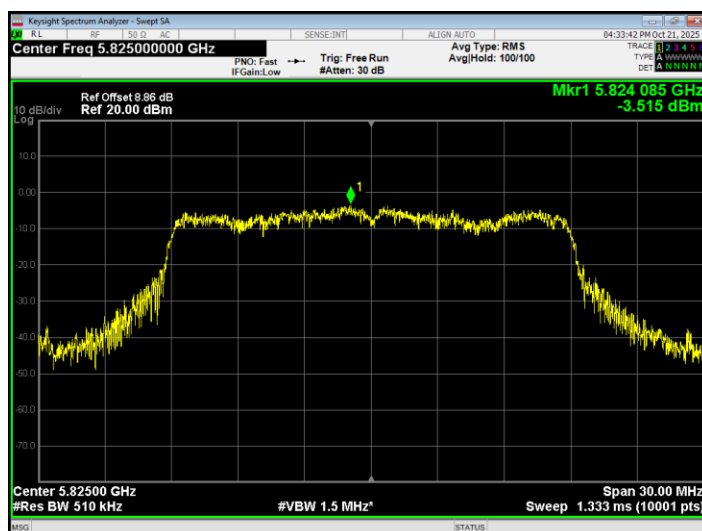


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PSD NVNT n20 5785MHz Ant1



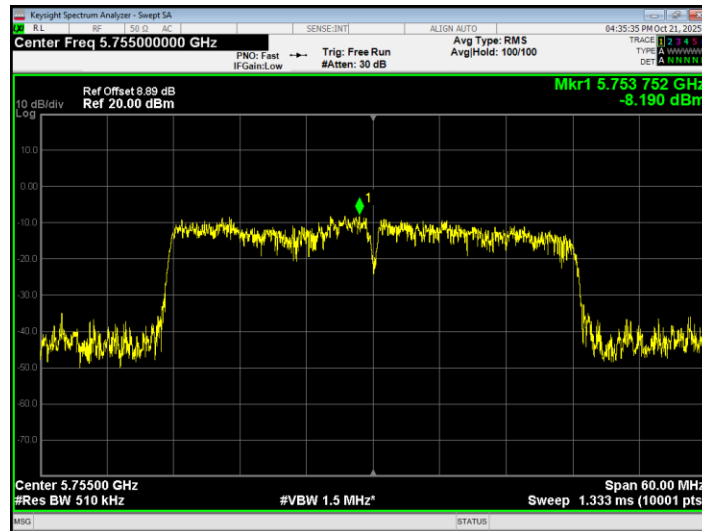
PSD NVNT n20 5825MHz Ant1





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PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1

