



Appendix G

RF Test Data for 5.8GWIFI(Conducted Measurement)

Product Name: AAWireless Nano

Test Model: A3BN

Environmental Conditions

Temperature:	24.2° C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun



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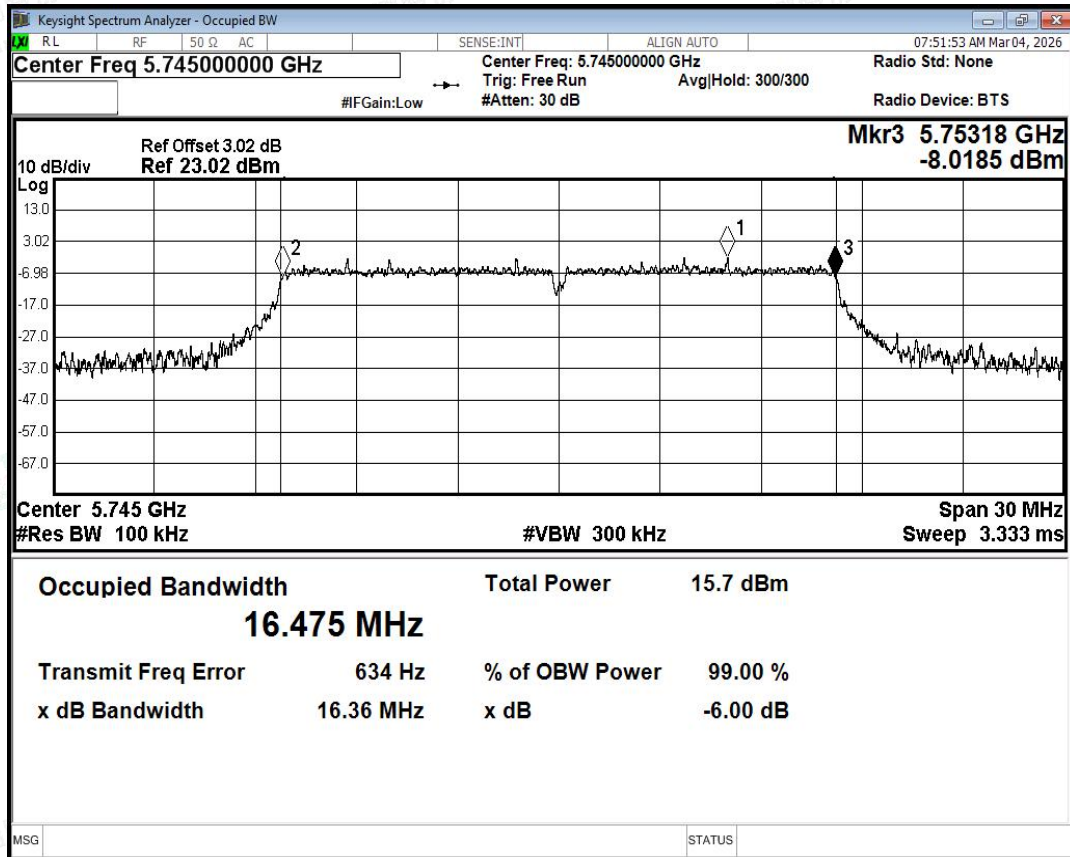
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G.1 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.36	0.5	Pass
NVNT	a	5785	Ant1	16.35	0.5	Pass
NVNT	a	5825	Ant1	16.35	0.5	Pass
NVNT	n20	5745	Ant1	17.4	0.5	Pass
NVNT	n20	5785	Ant1	17.56	0.5	Pass
NVNT	n20	5825	Ant1	17.55	0.5	Pass
NVNT	n40	5755	Ant1	36.26	0.5	Pass
NVNT	n40	5795	Ant1	36.18	0.5	Pass
NVNT	ac20	5745	Ant1	17.29	0.5	Pass
NVNT	ac20	5785	Ant1	17.39	0.5	Pass
NVNT	ac20	5825	Ant1	17.55	0.5	Pass
NVNT	ac40	5755	Ant1	36.44	0.5	Pass
NVNT	ac40	5795	Ant1	36.17	0.5	Pass
NVNT	ac80	5775	Ant1	75.53	0.5	Pass
NVNT	ax20	5745	Ant1	17.4	0.5	Pass
NVNT	ax20	5785	Ant1	17.56	0.5	Pass
NVNT	ax20	5825	Ant1	17.55	0.5	Pass
NVNT	ax40	5755	Ant1	36.42	0.5	Pass
NVNT	ax40	5795	Ant1	36.16	0.5	Pass
NVNT	ax80	5775	Ant1	75.73	0.5	Pass





-6dB Bandwidth NVNT a 5745MHz Ant1

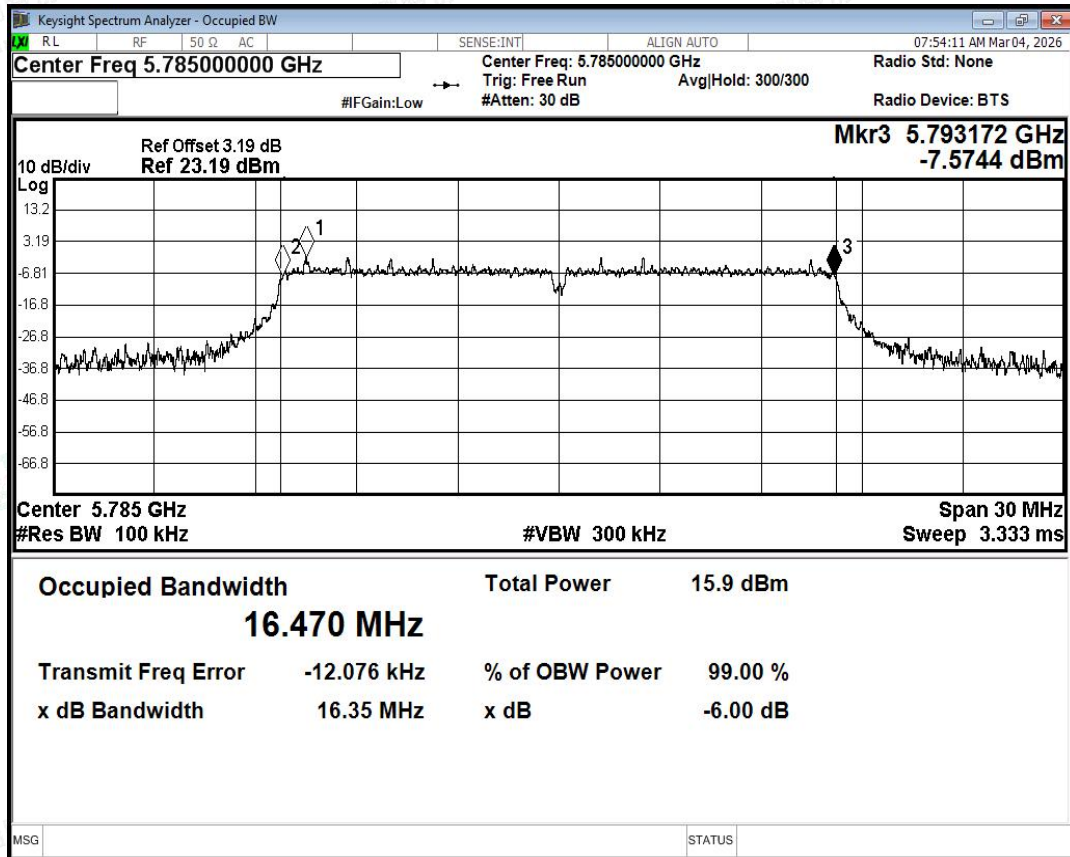


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-6dB Bandwidth NVNT a 5785MHz Ant1

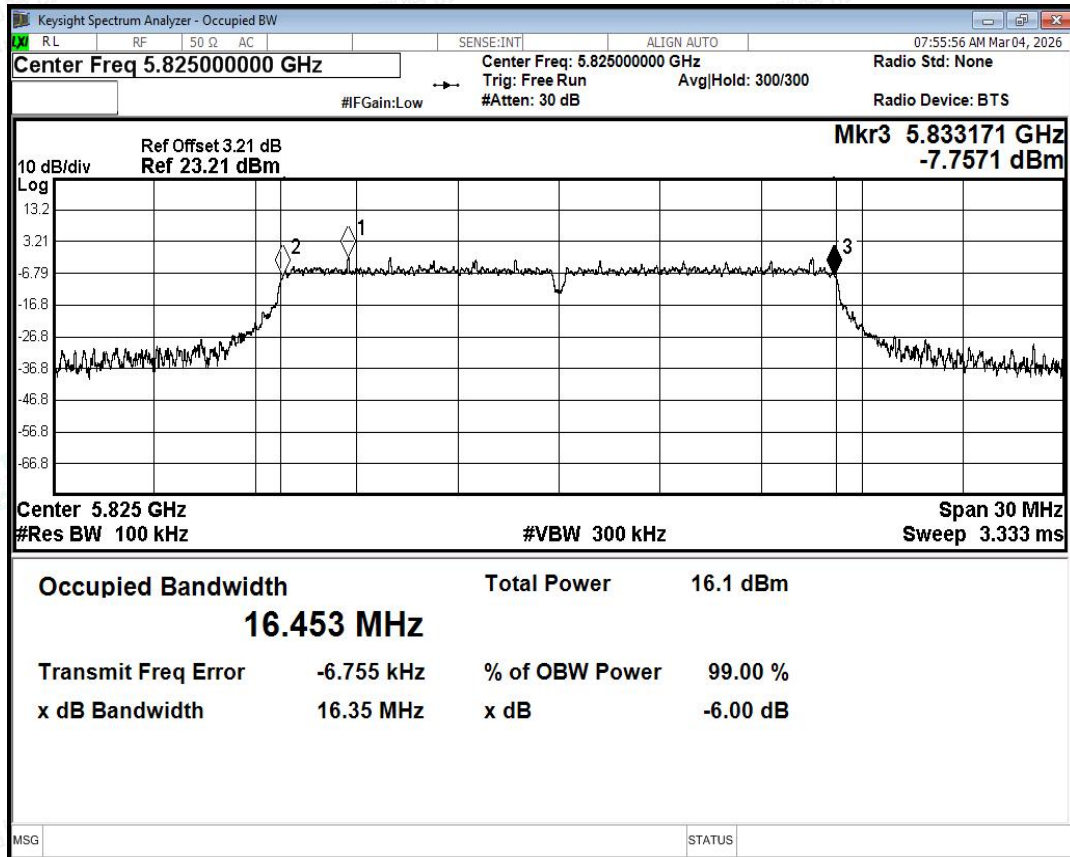


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-6dB Bandwidth NVNT a 5825MHz Ant1

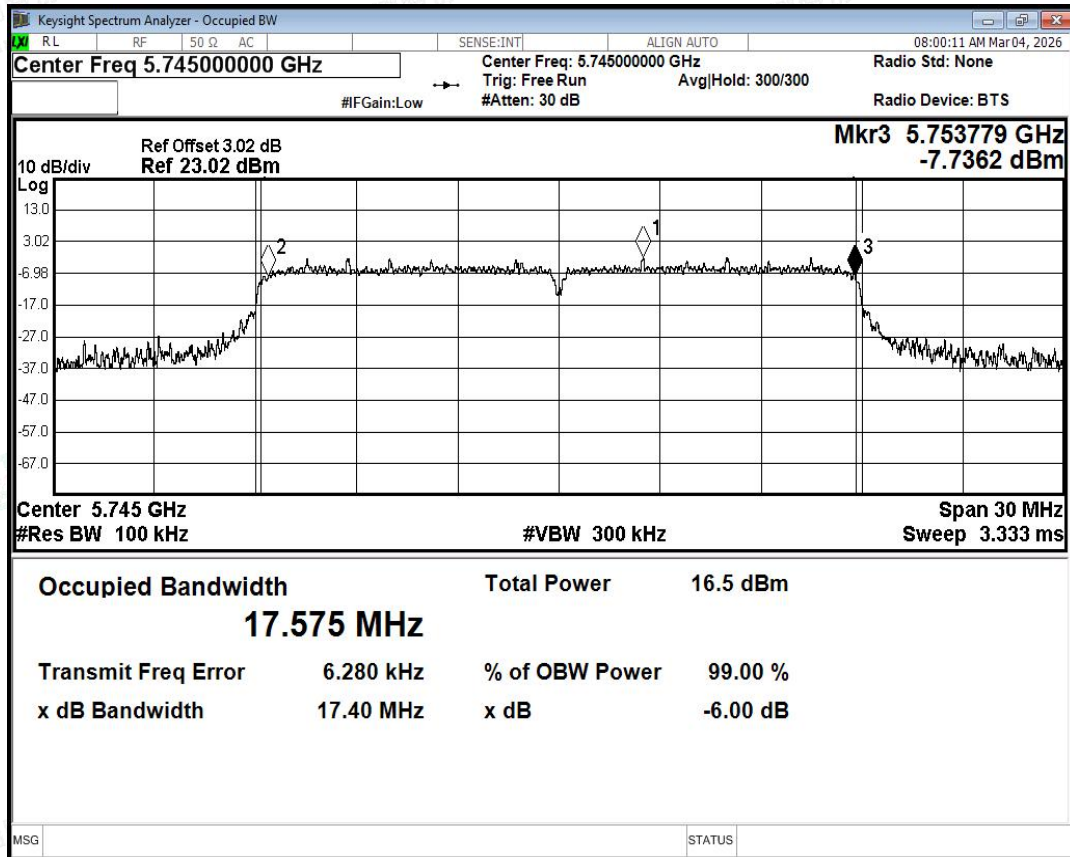


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-6dB Bandwidth NVNT n20 5745MHz Ant1

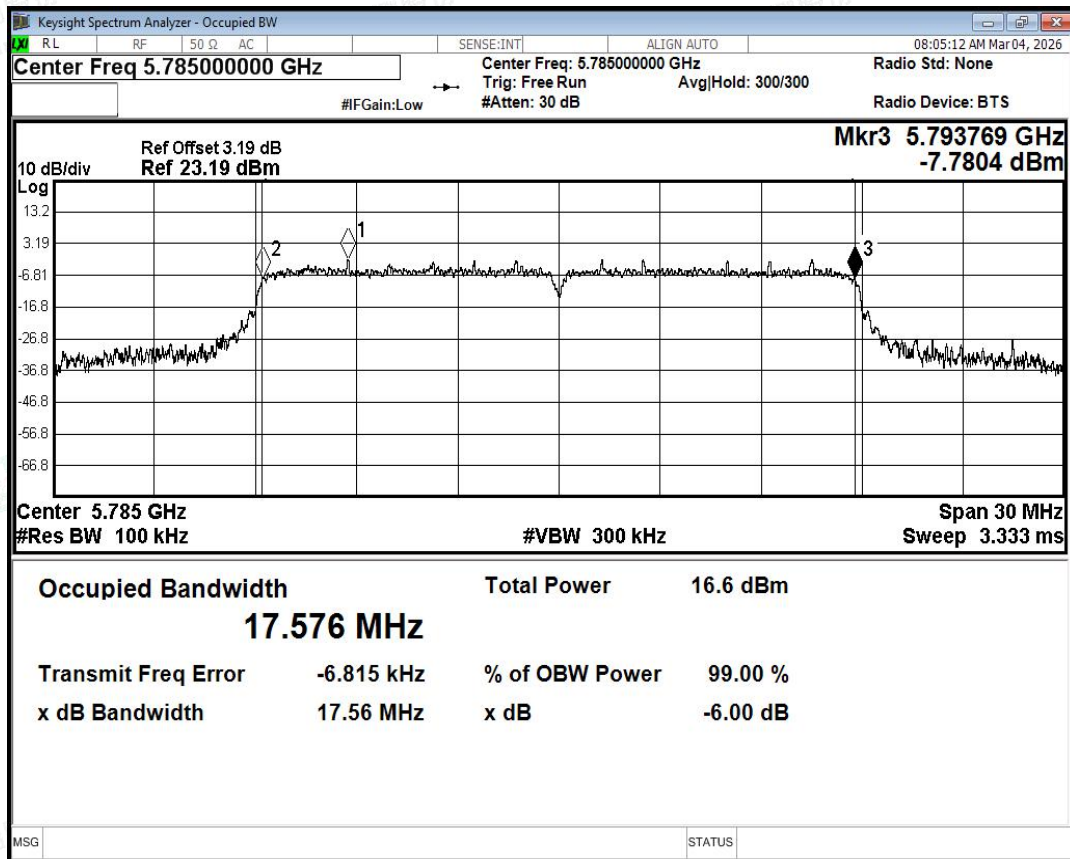


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-6dB Bandwidth NVNT n20 5785MHz Ant1

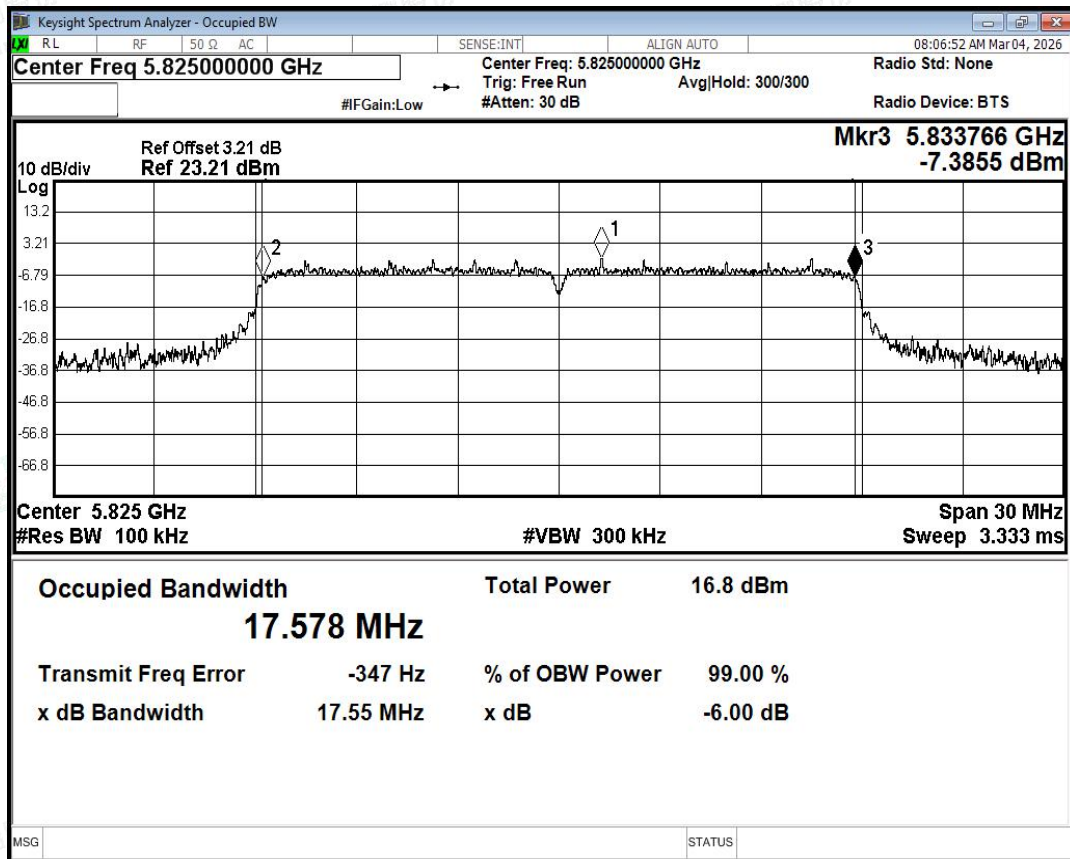


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-6dB Bandwidth NVNT n20 5825MHz Ant1

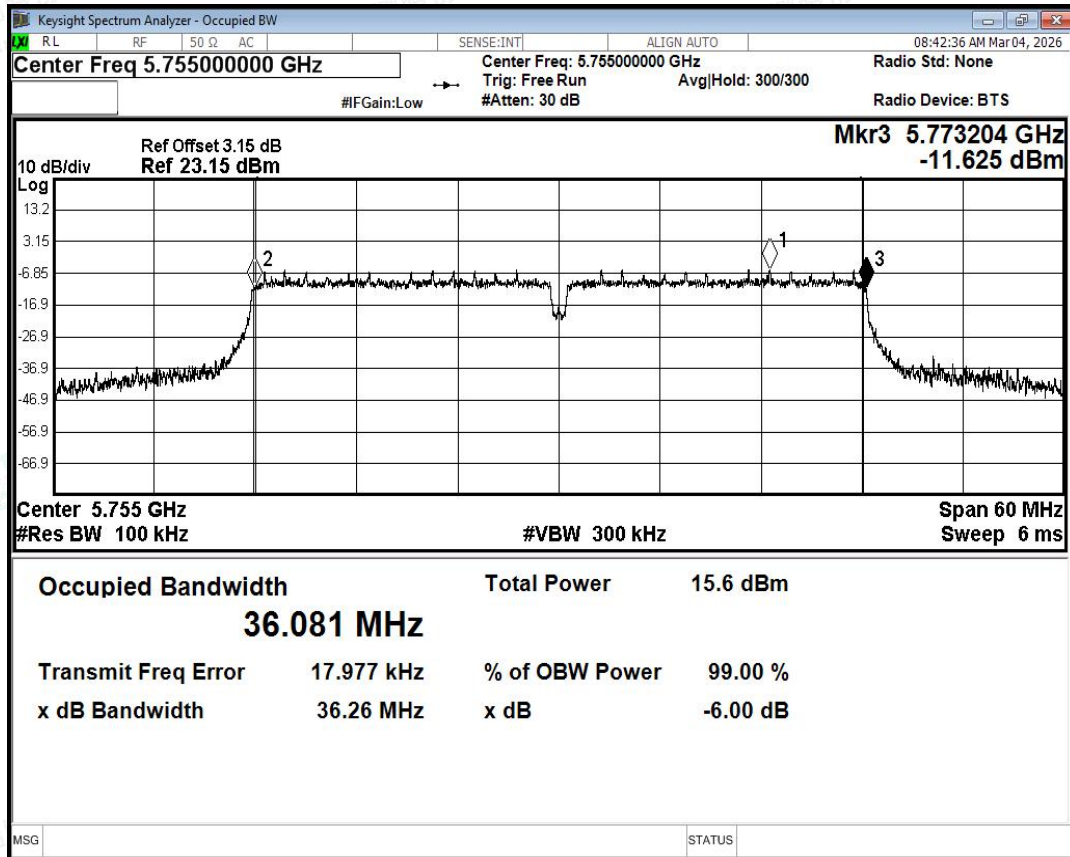


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-6dB Bandwidth NVNT n40 5755MHz Ant1

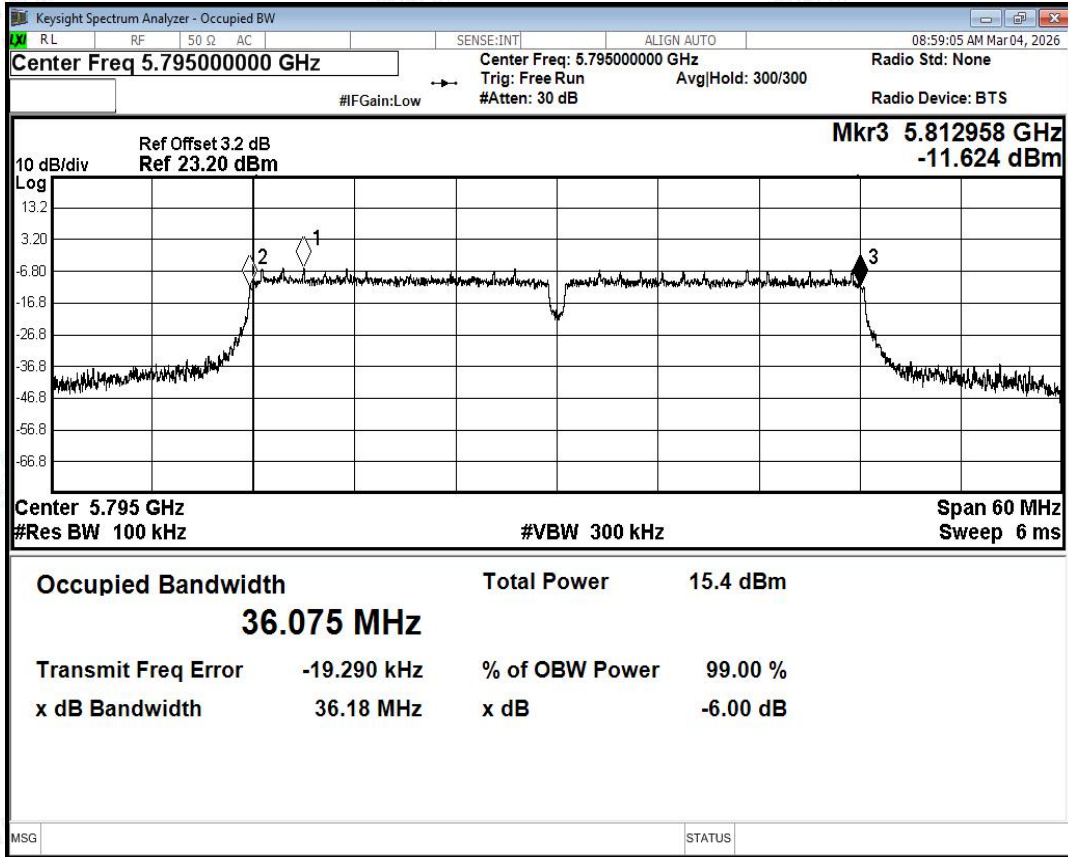


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-6dB Bandwidth NVNT n40 5795MHz Ant1

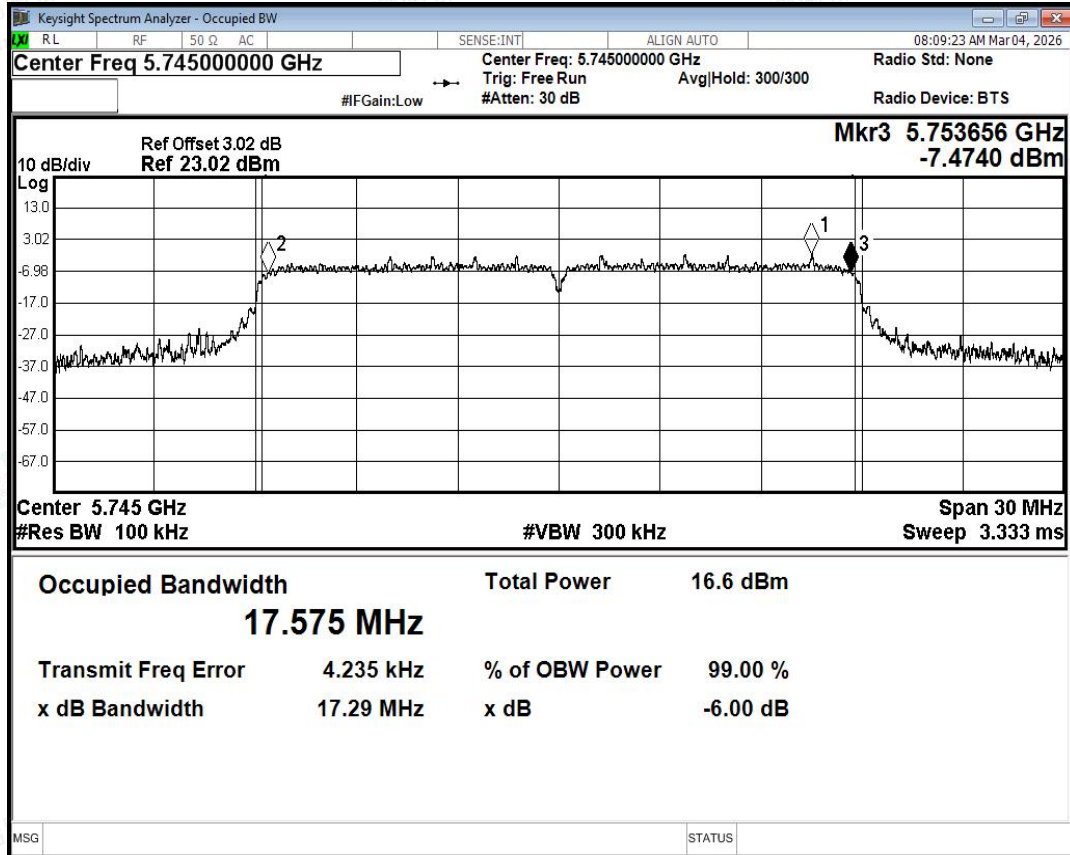


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-6dB Bandwidth NVNT ac20 5745MHz Ant1

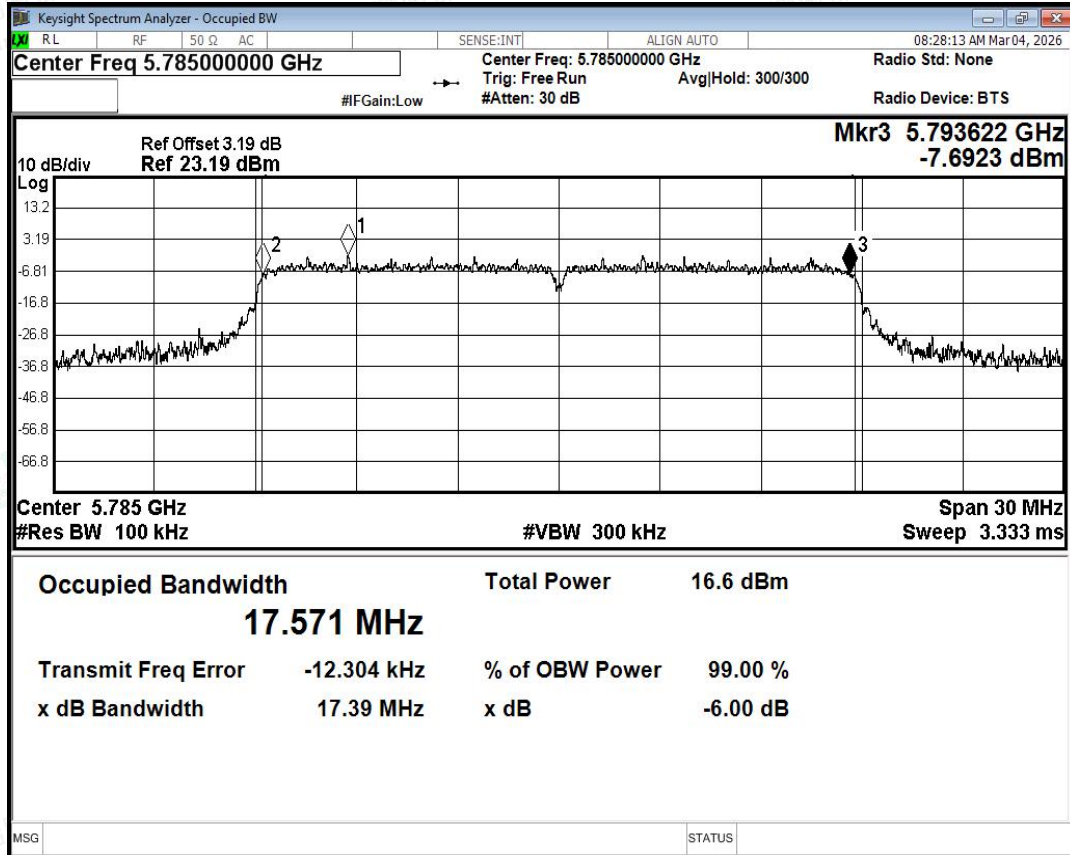


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-6dB Bandwidth NVNT ac20 5785MHz Ant1

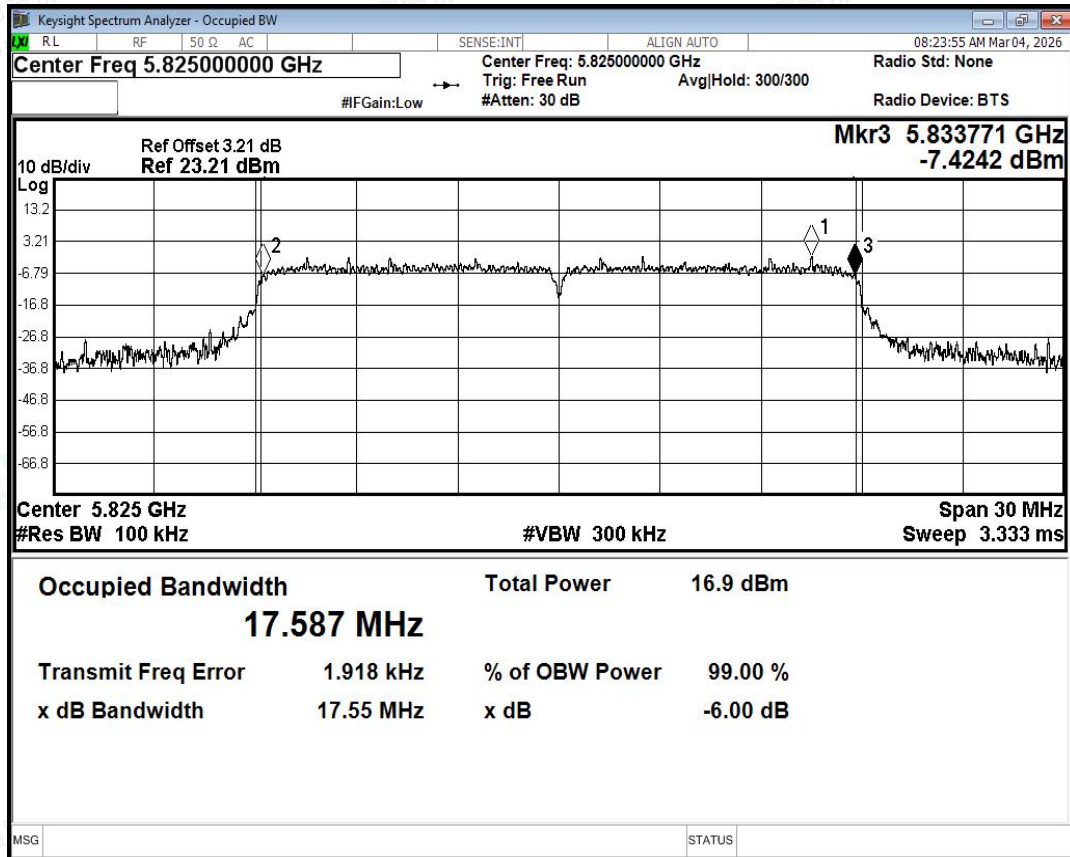


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-6dB Bandwidth NVNT ac20 5825MHz Ant1

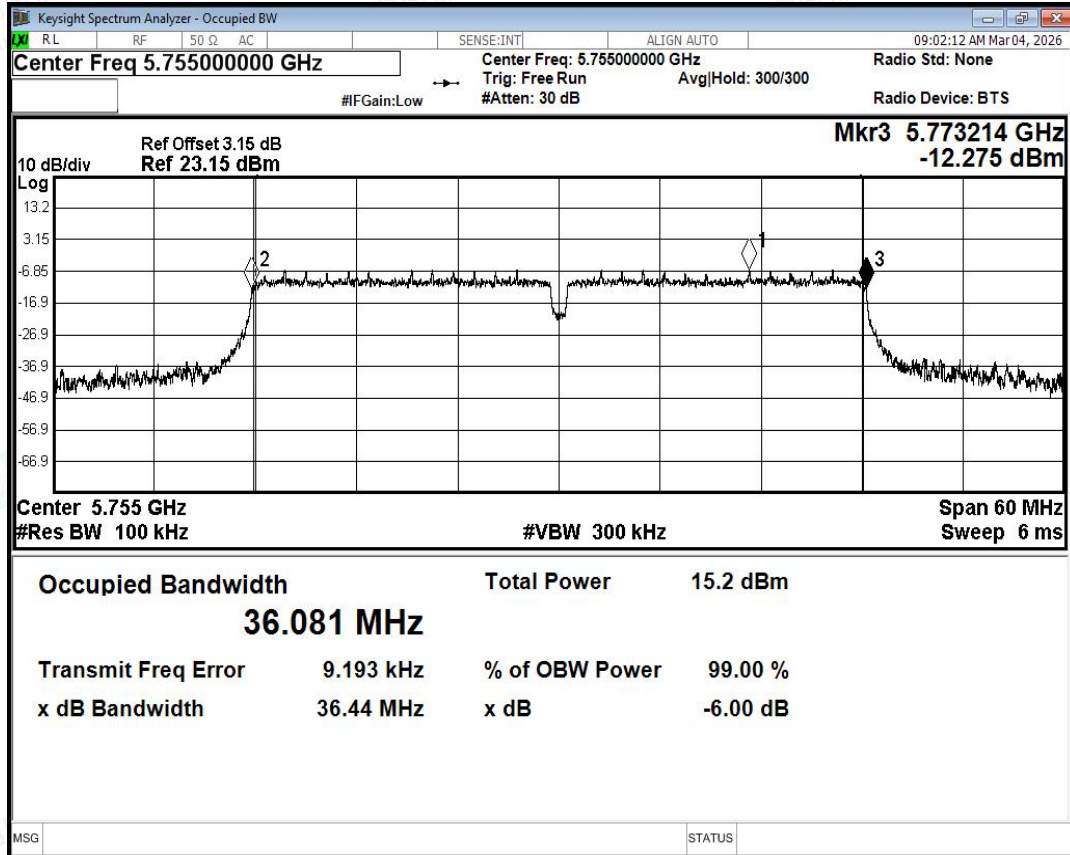


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-6dB Bandwidth NVNT ac40 5755MHz Ant1

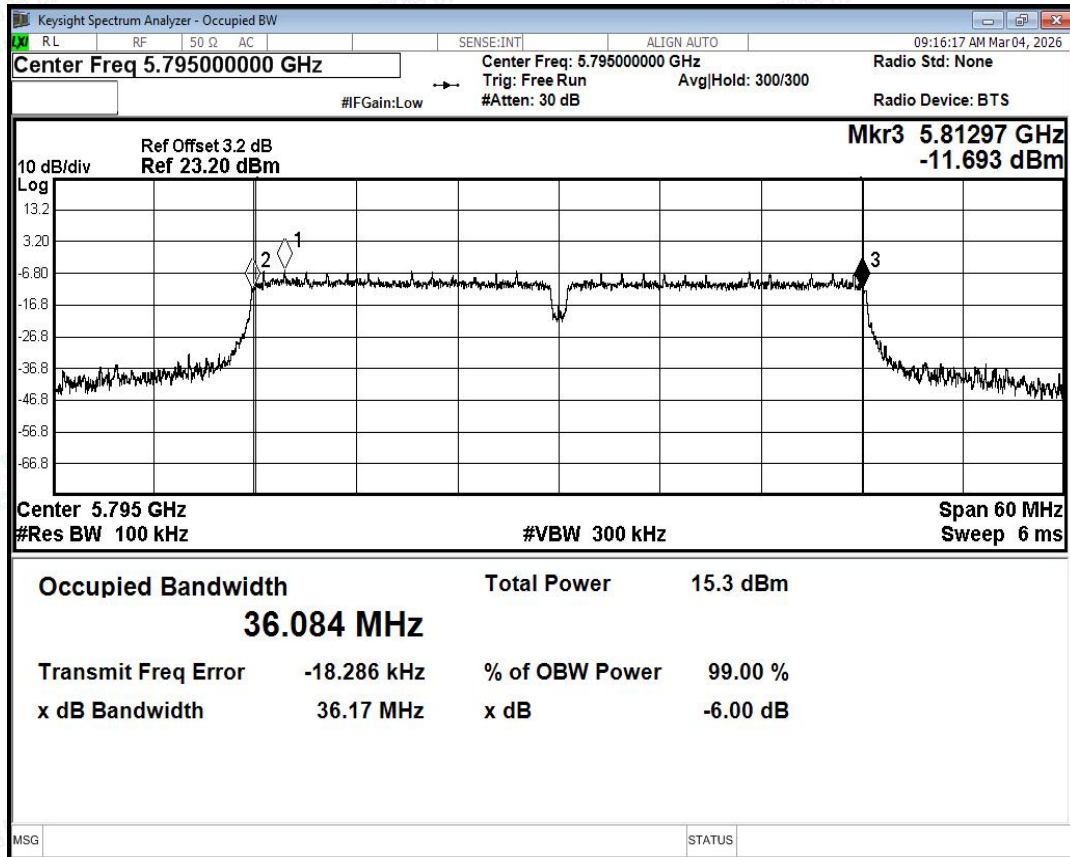


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-6dB Bandwidth NVNT ac40 5795MHz Ant1

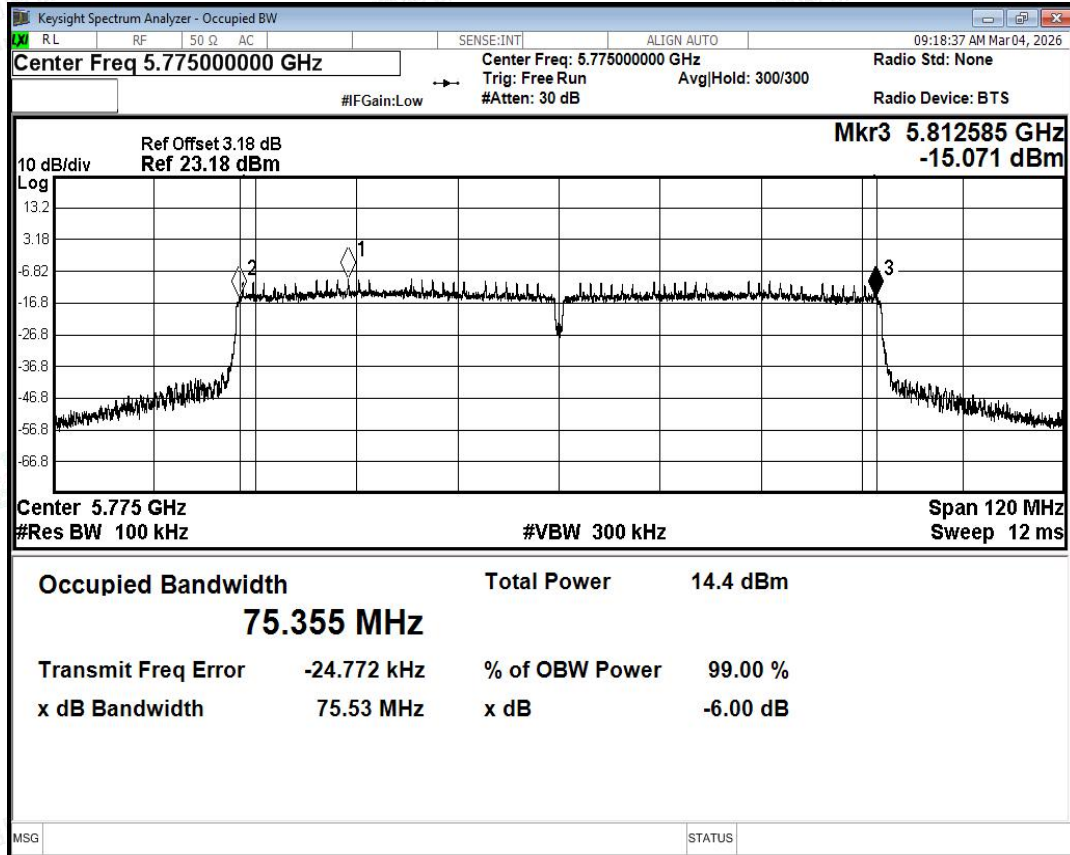


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-6dB Bandwidth NVNT ac80 5775MHz Ant1

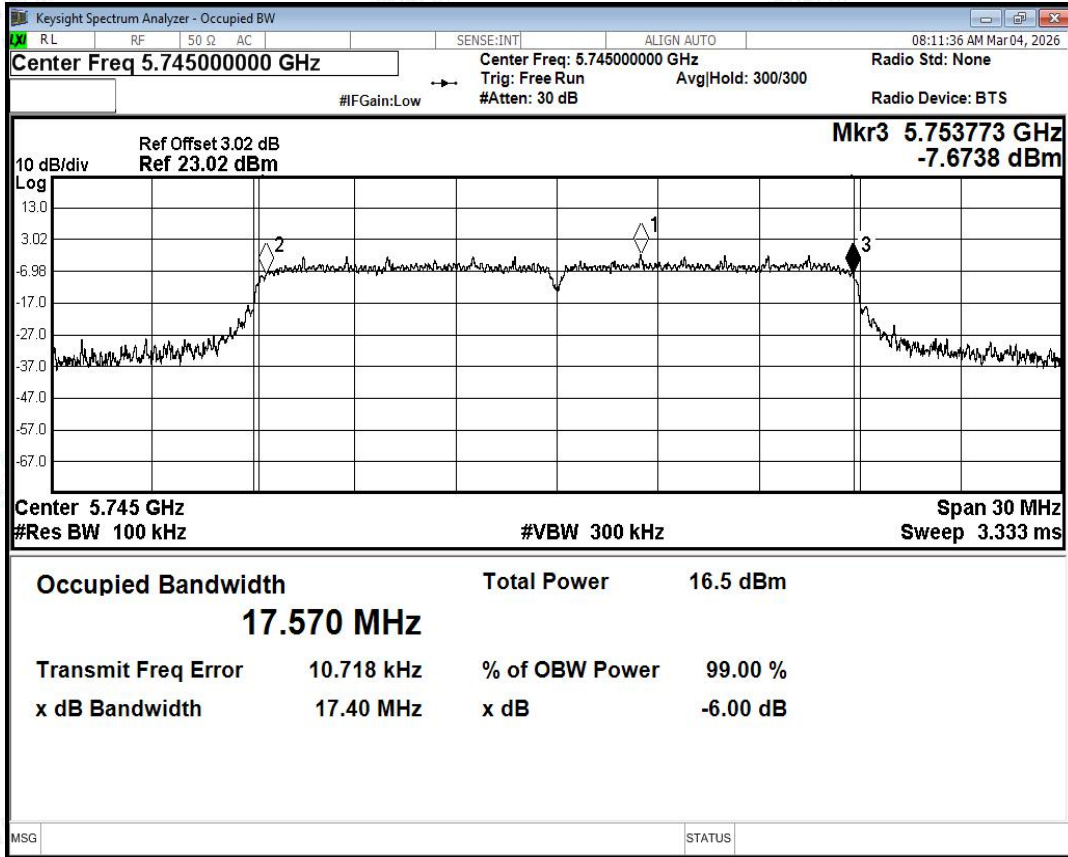


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-6dB Bandwidth NVNT ax20 5745MHz Ant1

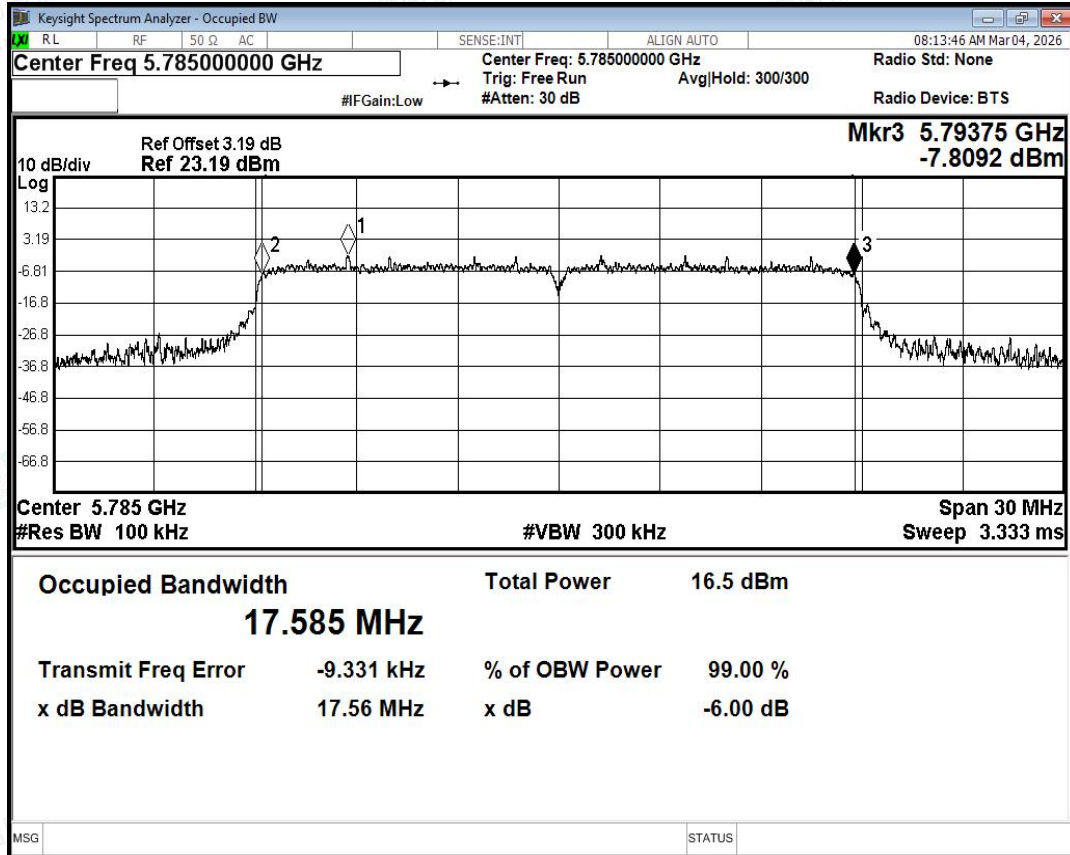


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-6dB Bandwidth NVNT ax20 5785MHz Ant1

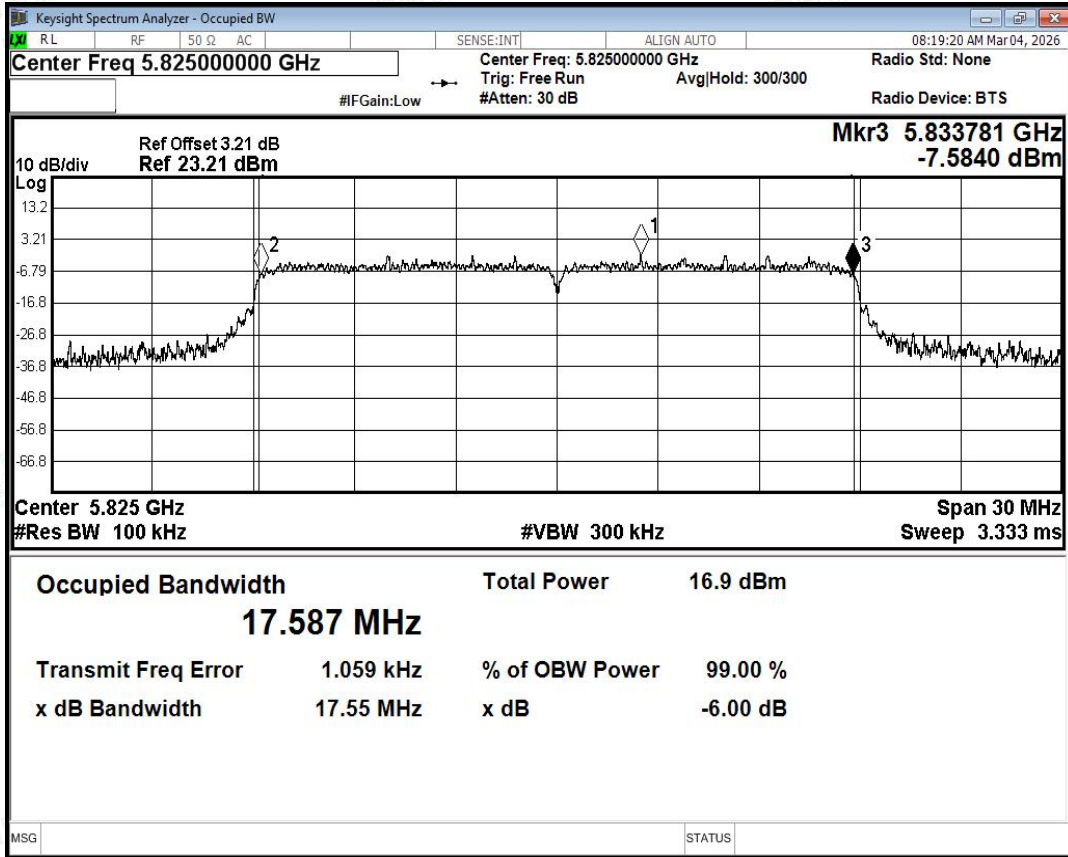


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-6dB Bandwidth NVNT ax20 5825MHz Ant1

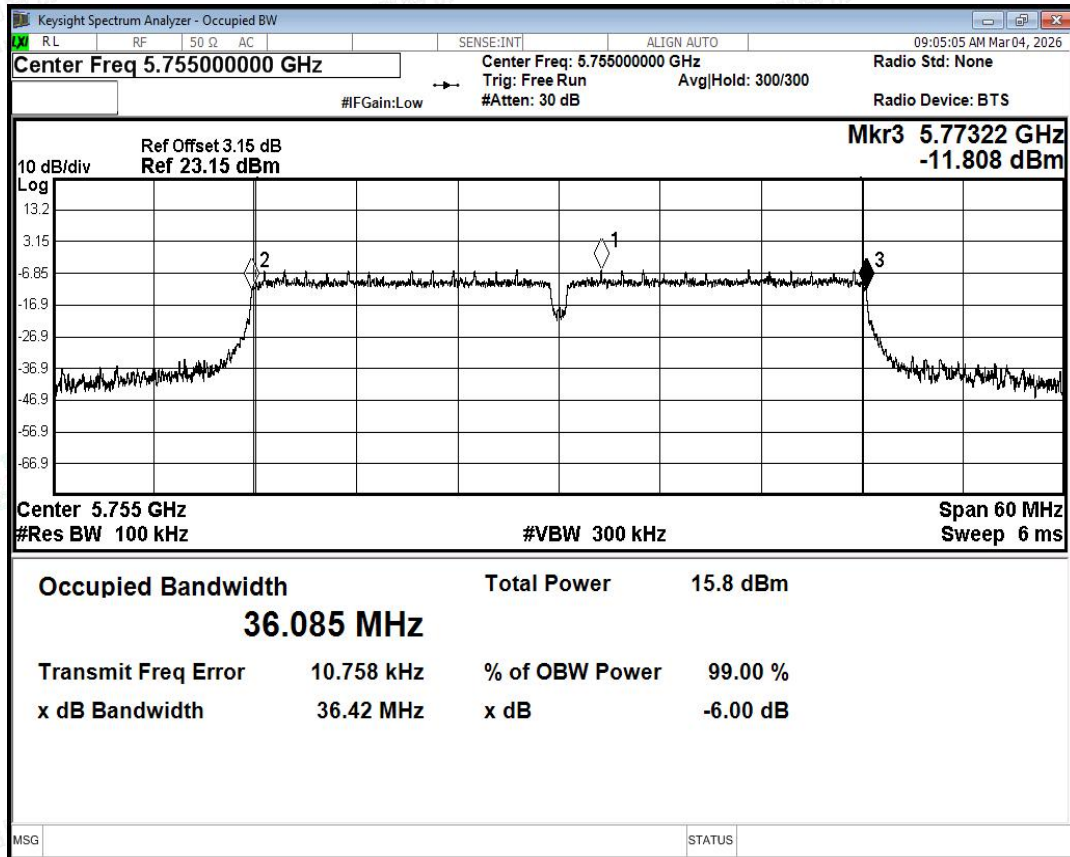


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-6dB Bandwidth NVNT ax40 5755MHz Ant1

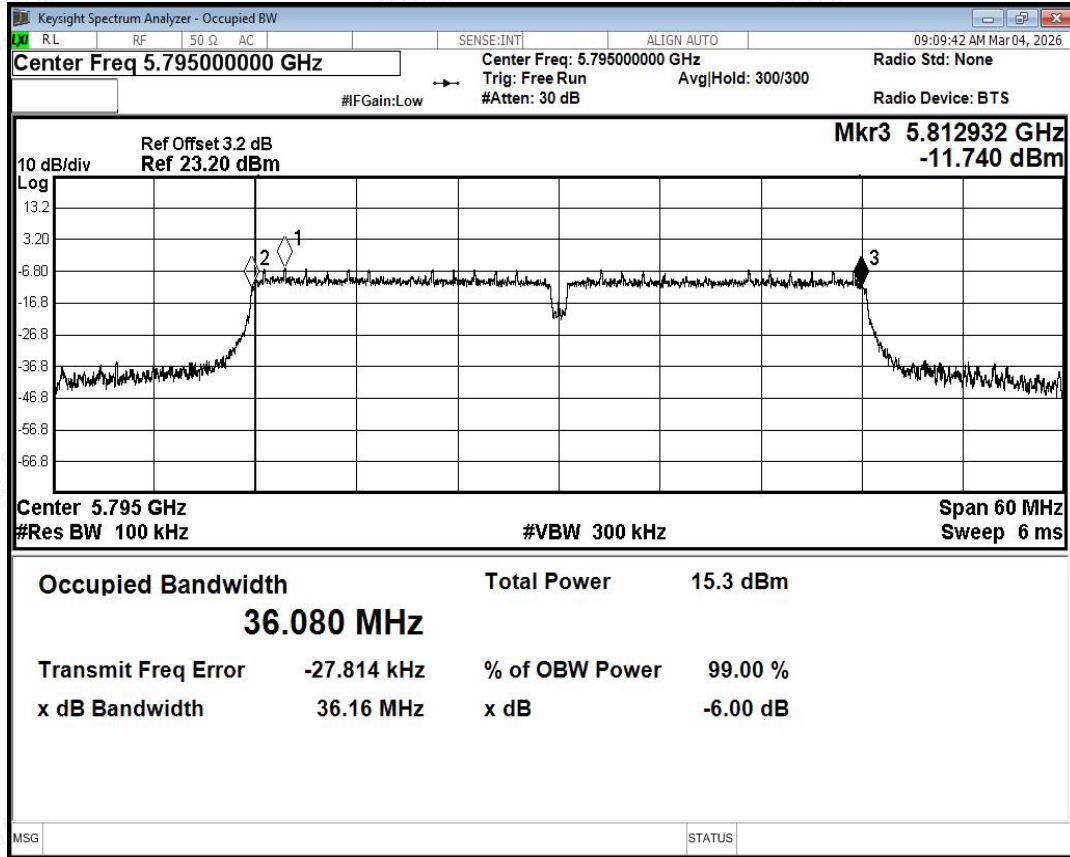


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-6dB Bandwidth NVNT ax40 5795MHz Ant1

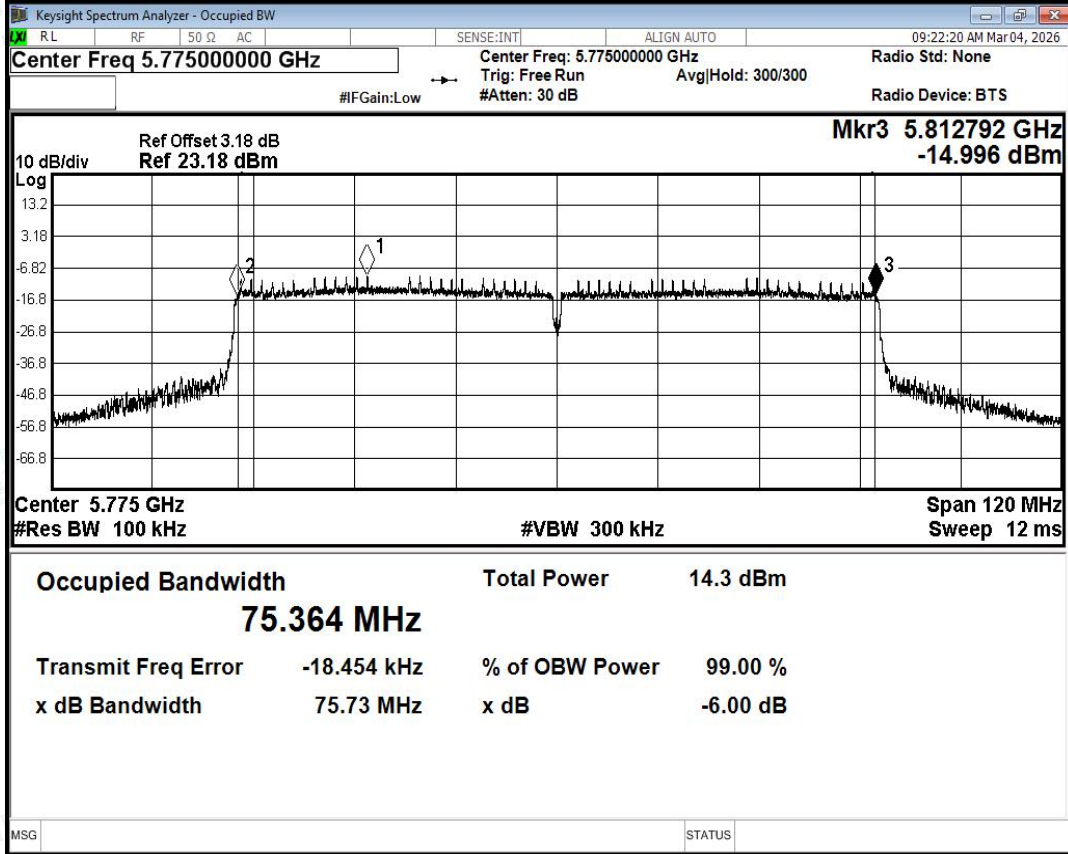


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-6dB Bandwidth NVNT ax80 5775MHz Ant1



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G.2 Maximum Conducted Output Power

26-tone RU

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	ax20	5745	Ant1	12.54	0.11	12.65	30	Pass
NVNT	ax20	5785	Ant1	12.49	0.13	12.62	30	Pass
NVNT	ax20	5825	Ant1	12.37	0.13	12.50	30	Pass
NVNT	ax40	5755	Ant1	12.48	0.23	12.71	30	Pass
NVNT	ax40	5795	Ant1	12.39	0.23	12.62	30	Pass
NVNT	ax80	5775	Ant1	10.11	0.46	10.57	30	Pass

52-tone RU

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	ax20	5745	Ant1	12.60	0.11	12.71	30	Pass
NVNT	ax20	5785	Ant1	12.42	0.13	12.55	30	Pass
NVNT	ax20	5825	Ant1	12.32	0.13	12.45	30	Pass
NVNT	ax40	5755	Ant1	12.41	0.23	12.64	30	Pass
NVNT	ax40	5795	Ant1	12.36	0.23	12.59	30	Pass
NVNT	ax80	5775	Ant1	10.18	0.46	10.64	30	Pass

106-tone RU

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	ax20	5745	Ant1	12.49	0.11	12.60	30	Pass
NVNT	ax20	5785	Ant1	12.36	0.13	12.49	30	Pass
NVNT	ax20	5825	Ant1	12.19	0.13	12.32	30	Pass
NVNT	ax40	5755	Ant1	12.33	0.23	12.56	30	Pass
NVNT	ax40	5795	Ant1	12.38	0.23	12.61	30	Pass
NVNT	ax80	5775	Ant1	10.52	0.46	10.98	30	Pass

242-tone RU

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	ax20	5745	Ant1	12.52	0.11	12.63	30	Pass
NVNT	ax20	5785	Ant1	12.19	0.13	12.32	30	Pass
NVNT	ax20	5825	Ant1	12.41	0.13	12.54	30	Pass
NVNT	ax40	5755	Ant1	12.19	0.23	12.42	30	Pass



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NVNT	ax40	5795	Ant1	12.24	0.23	12.47	30	Pass
NVNT	ax80	5775	Ant1	10.05	0.46	10.51	30	Pass

484-tone RU

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	ax40	5755	Ant1	11.95	0.23	12.18	30	Pass
NVNT	ax40	5795	Ant1	11.85	0.23	12.08	30	Pass
NVNT	ax80	5775	Ant1	9.99	0.46	10.45	30	Pass

996-tone RU

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	ax80	5775	Ant1	9.67	0.46	10.13	30	Pass





Full RU

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	a	5745	Ant1	12.16	0.1	12.26	30	Pass
NVNT	a	5785	Ant1	12.19	0.1	12.29	30	Pass
NVNT	a	5825	Ant1	12.54	0.1	12.64	30	Pass
NVNT	n20	5745	Ant1	12.52	0.13	12.65	30	Pass
NVNT	n20	5785	Ant1	12.55	0.13	12.68	30	Pass
NVNT	n20	5825	Ant1	12.83	0.11	12.94	30	Pass
NVNT	n40	5755	Ant1	11.66	0.23	11.89	30	Pass
NVNT	n40	5795	Ant1	11.29	0.23	11.52	30	Pass
NVNT	ac20	5745	Ant1	12.54	0.13	12.67	30	Pass
NVNT	ac20	5785	Ant1	12.57	0.11	12.68	30	Pass
NVNT	ac20	5825	Ant1	12.93	0.11	13.04	30	Pass
NVNT	ac40	5755	Ant1	11.05	0.23	11.28	30	Pass
NVNT	ac40	5795	Ant1	11.12	0.23	11.35	30	Pass
NVNT	ac80	5775	Ant1	10.09	0.46	10.55	30	Pass
NVNT	ax20	5745	Ant1	12.56	0.11	12.67	30	Pass
NVNT	ax20	5785	Ant1	12.62	0.13	12.75	30	Pass
NVNT	ax20	5825	Ant1	12.97	0.13	13.1	30	Pass
NVNT	ax40	5755	Ant1	11.68	0.23	11.91	30	Pass
NVNT	ax40	5795	Ant1	11.21	0.23	11.44	30	Pass
NVNT	ax80	5775	Ant1	10.11	0.46	10.57	30	Pass



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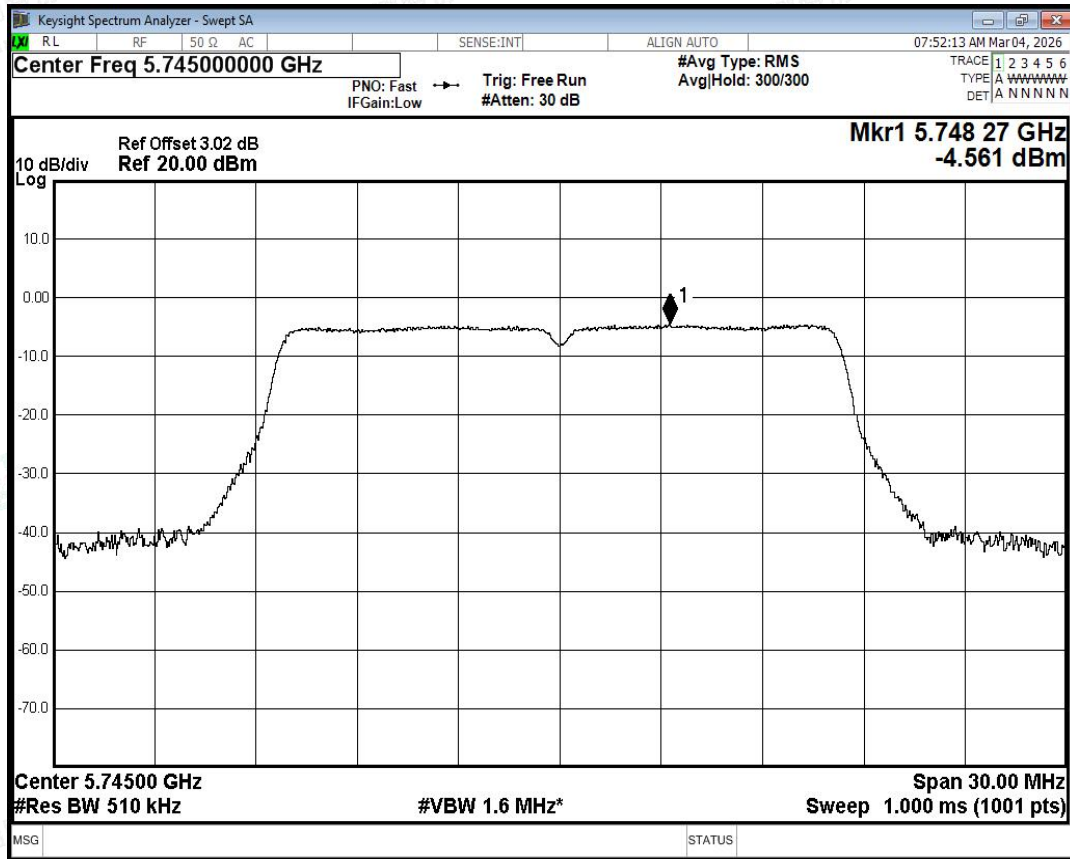
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G.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/500KHz)	Duty Factor (dB)	Total PSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
NVNT	a	5745	Ant1	-4.56	0.1	-4.46	30	Pass
NVNT	a	5785	Ant1	-4.66	0.1	-4.56	30	Pass
NVNT	a	5825	Ant1	-4.38	0.1	-4.28	30	Pass
NVNT	n20	5745	Ant1	-4.66	0.13	-4.53	30	Pass
NVNT	n20	5785	Ant1	-4.64	0.13	-4.51	30	Pass
NVNT	n20	5825	Ant1	-4.36	0.11	-4.25	30	Pass
NVNT	n40	5755	Ant1	-8.72	0.23	-8.49	30	Pass
NVNT	n40	5795	Ant1	-8.6	0.23	-8.37	30	Pass
NVNT	ac20	5745	Ant1	-4.58	0.13	-4.45	30	Pass
NVNT	ac20	5785	Ant1	-4.46	0.11	-4.35	30	Pass
NVNT	ac20	5825	Ant1	-4.15	0.11	-4.04	30	Pass
NVNT	ac40	5755	Ant1	-9.04	0.23	-8.81	30	Pass
NVNT	ac40	5795	Ant1	-8.9	0.23	-8.67	30	Pass
NVNT	ac80	5775	Ant1	-12.73	0.46	-12.27	30	Pass
NVNT	ax20	5745	Ant1	-4.42	0.11	-4.31	30	Pass
NVNT	ax20	5785	Ant1	-4.53	0.13	-4.4	30	Pass
NVNT	ax20	5825	Ant1	-4.31	0.13	-4.18	30	Pass
NVNT	ax40	5755	Ant1	-8.7	0.23	-8.47	30	Pass
NVNT	ax40	5795	Ant1	-8.72	0.23	-8.49	30	Pass
NVNT	ax80	5775	Ant1	-12.87	0.46	-12.41	30	Pass





PSD NVNT a 5745MHz Ant1

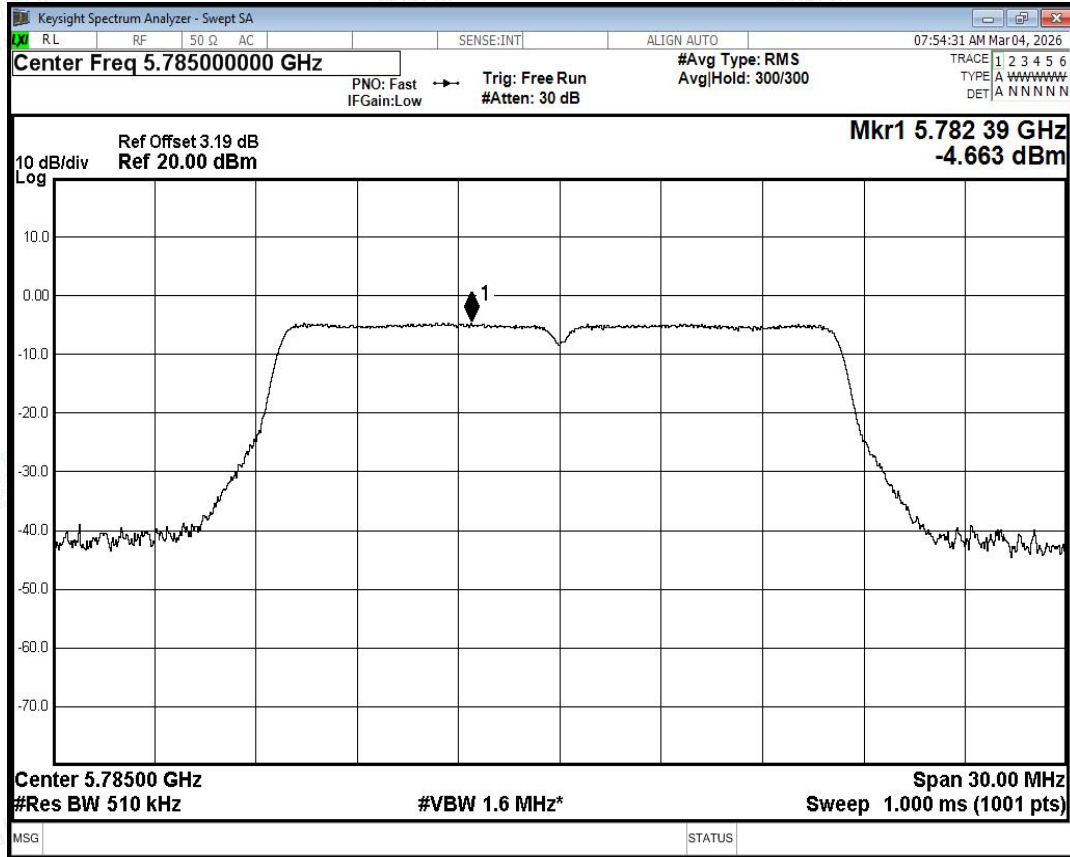


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PSD NVNT a 5785MHz Ant1

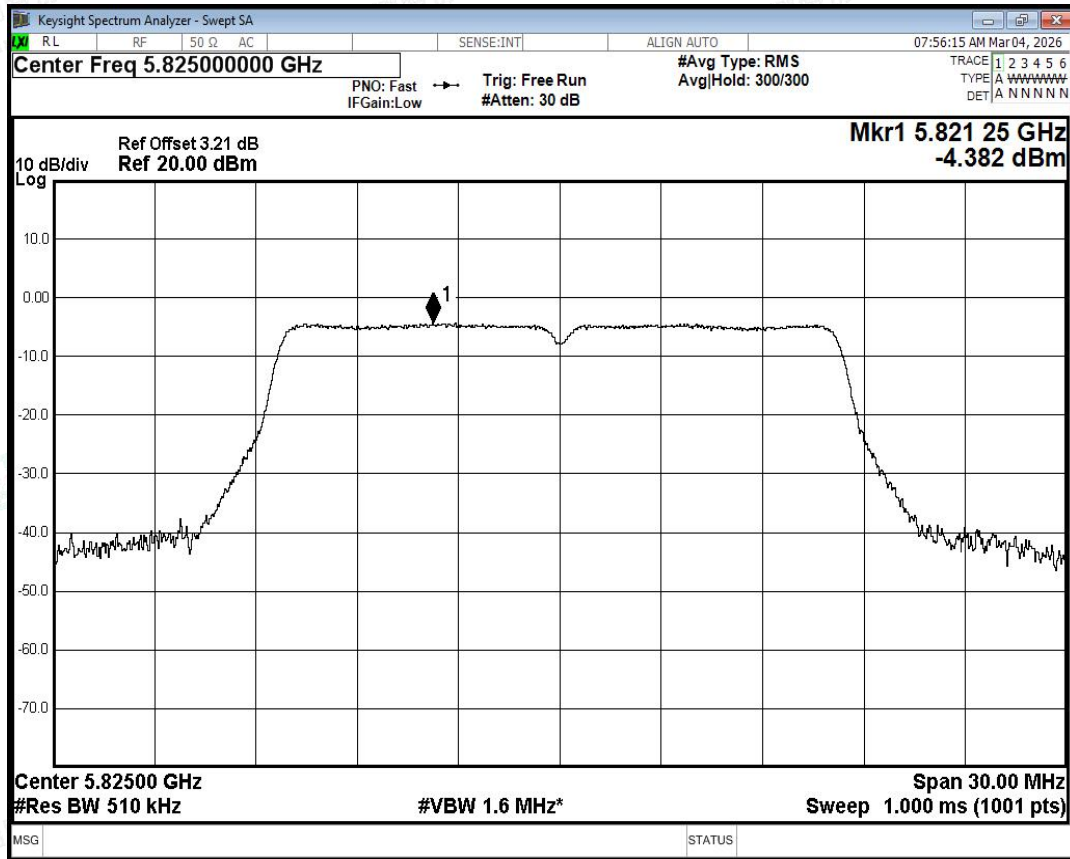


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PSD NVNT a 5825MHz Ant1

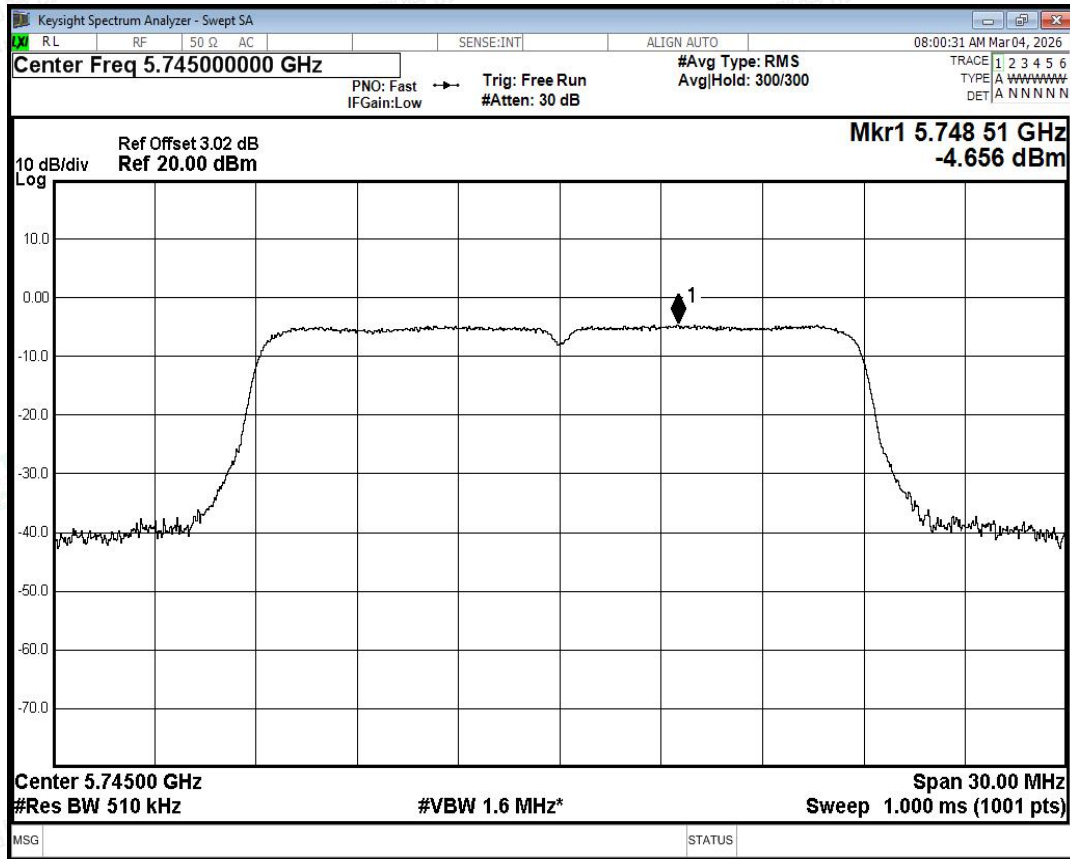


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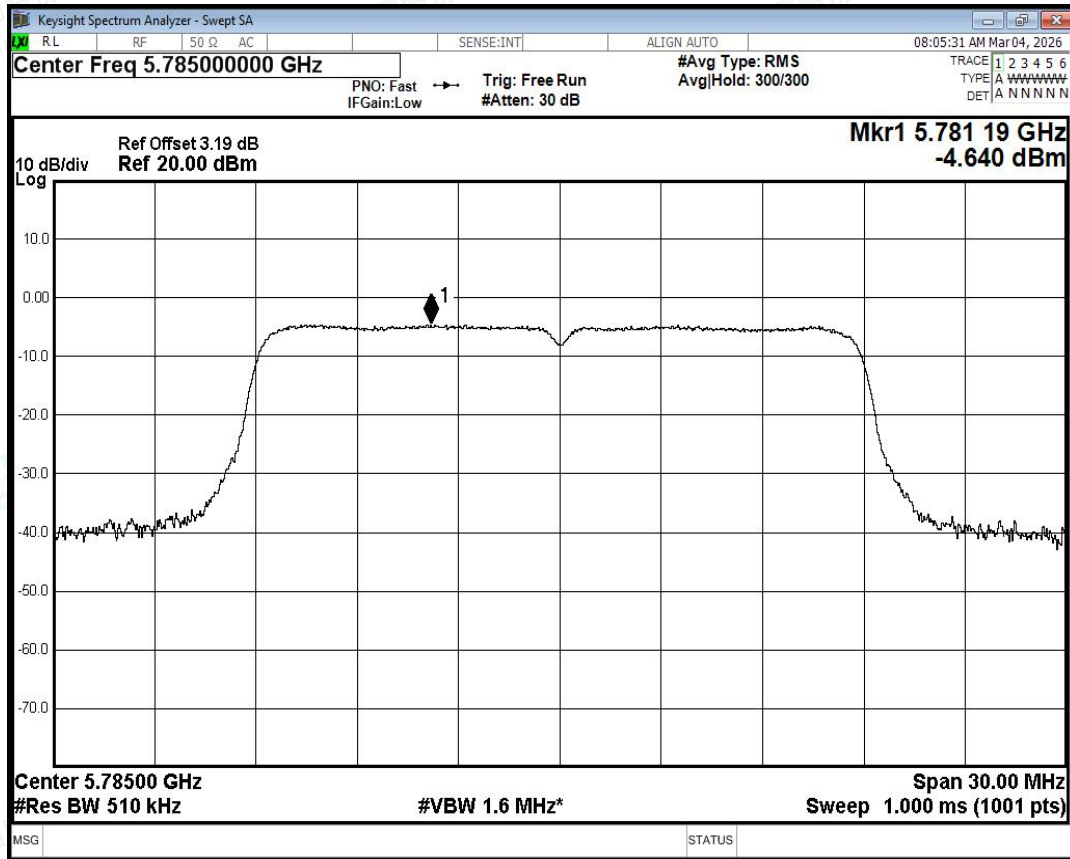


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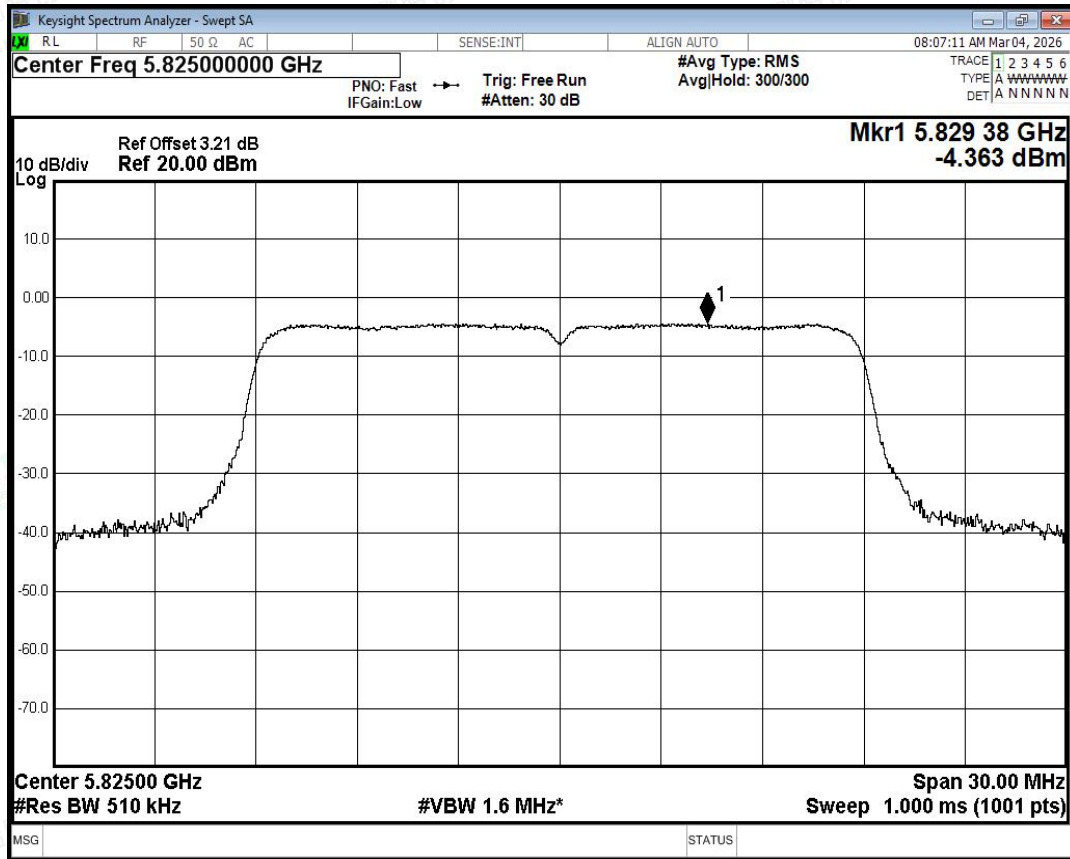


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