



Appendix G

RF Test Data for 5.8GWIFI (Conducted Measurement)

Product Name: OTT BOX

Test Model: G Series

Environmental Conditions

Temperature:	24.6°C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Can Kun
Supervised by:	Paddi Chen



Shenzhen LCS Compliance Testing Laboratory Ltd.

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G.1 -6dB Bandwidth

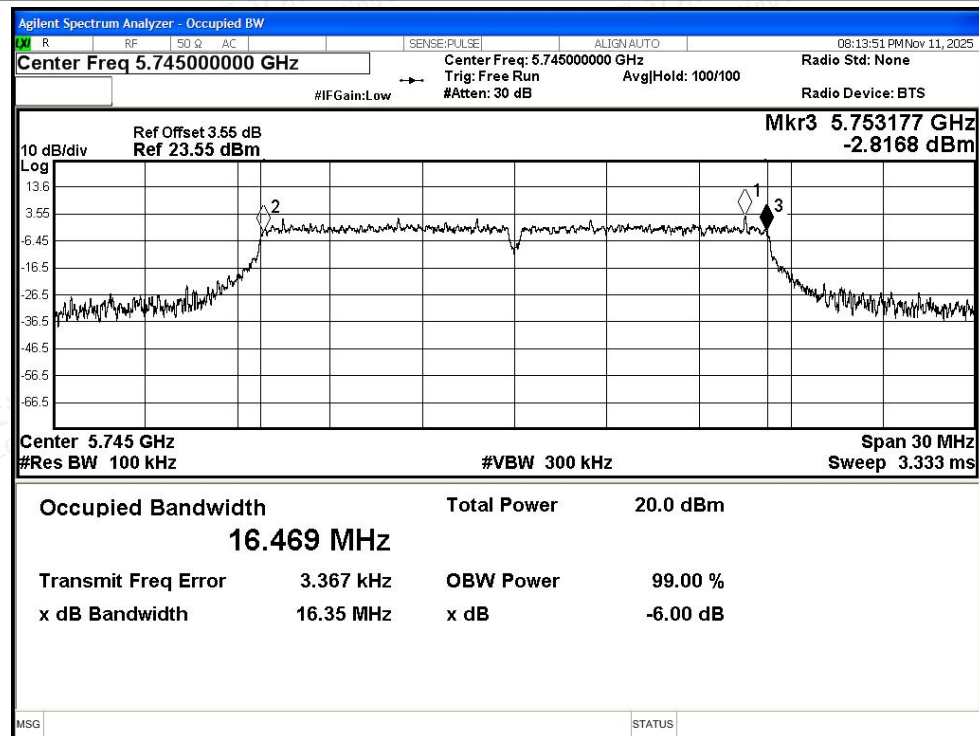
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.348	≥ 0.5	Pass
NVNT	a	5785	Ant1	16.325	≥ 0.5	Pass
NVNT	a	5825	Ant1	16.335	≥ 0.5	Pass
NVNT	n20	5745	Ant1	17.073	≥ 0.5	Pass
NVNT	n20	5785	Ant1	17.408	≥ 0.5	Pass
NVNT	n20	5825	Ant1	17.301	≥ 0.5	Pass
NVNT	n40	5755	Ant1	35.433	≥ 0.5	Pass
NVNT	n40	5795	Ant1	35.985	≥ 0.5	Pass
NVNT	ac20	5745	Ant1	17.396	≥ 0.5	Pass
NVNT	ac20	5785	Ant1	17.255	≥ 0.5	Pass
NVNT	ac20	5825	Ant1	17.358	≥ 0.5	Pass
NVNT	ac40	5755	Ant1	35.717	≥ 0.5	Pass
NVNT	ac40	5795	Ant1	36.285	≥ 0.5	Pass
NVNT	ac80	5775	Ant1	75.521	≥ 0.5	Pass
NVNT	ax20	5745	Ant1	17.555	≥ 0.5	Pass
NVNT	ax20	5785	Ant1	17.244	≥ 0.5	Pass
NVNT	ax20	5825	Ant1	17.265	≥ 0.5	Pass
NVNT	ax40	5755	Ant1	35.627	≥ 0.5	Pass
NVNT	ax40	5795	Ant1	35.562	≥ 0.5	Pass
NVNT	ax80	5775	Ant1	75.539	≥ 0.5	Pass



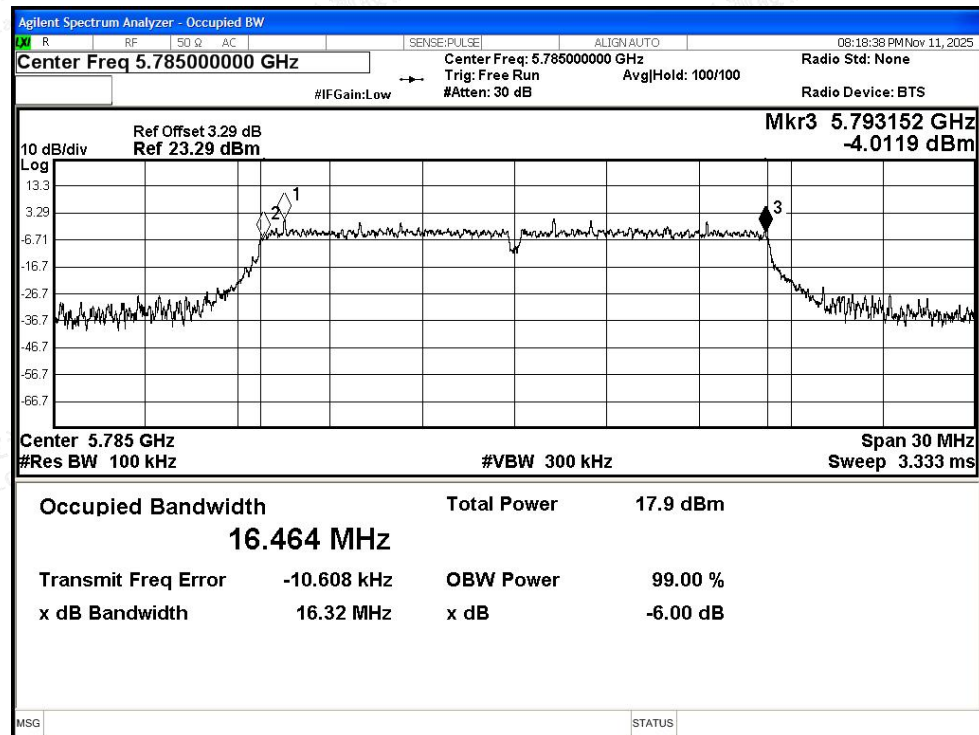


Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant1



-6dB Bandwidth NVNT a 5785MHz Ant1



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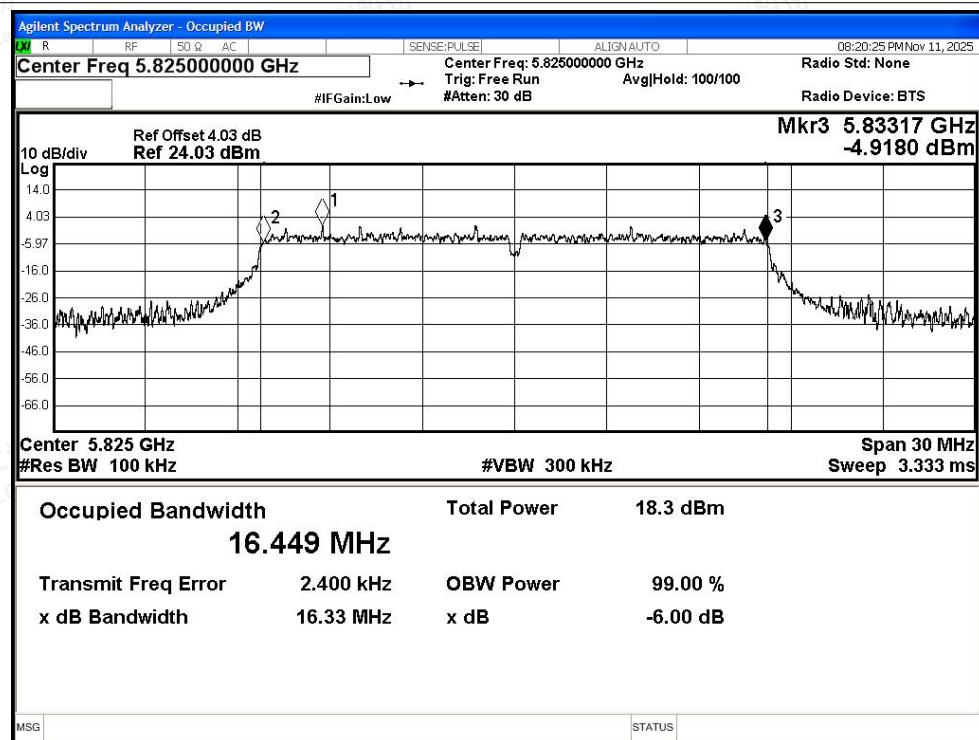
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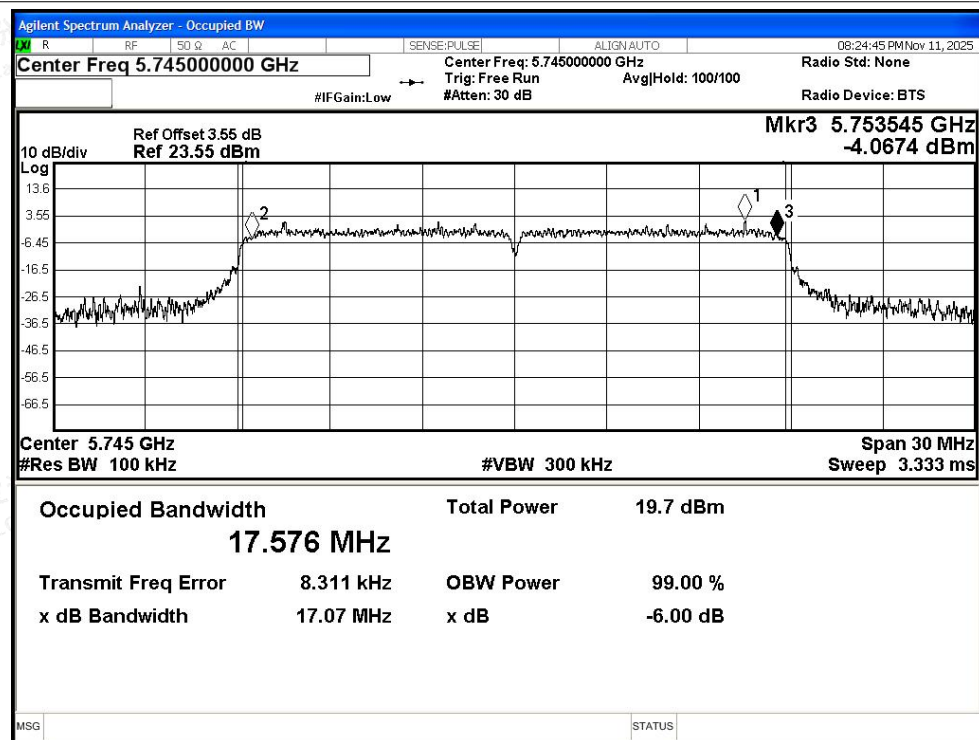
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-6dB Bandwidth NVNT a 5825MHz Ant1



-6dB Bandwidth NVNT n20 5745MHz Ant1



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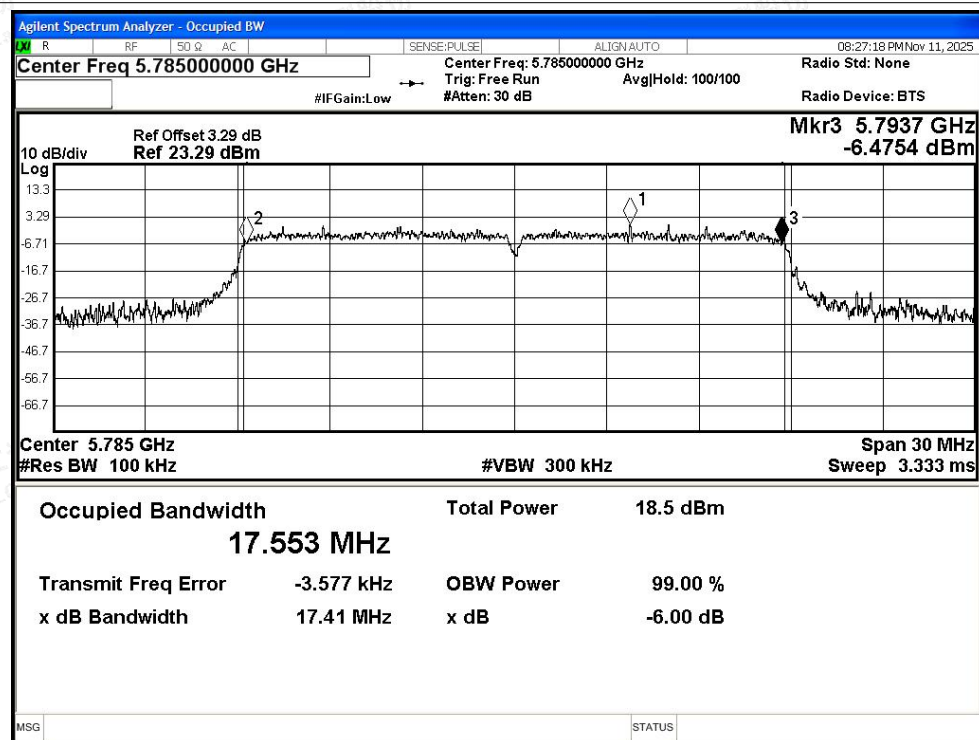
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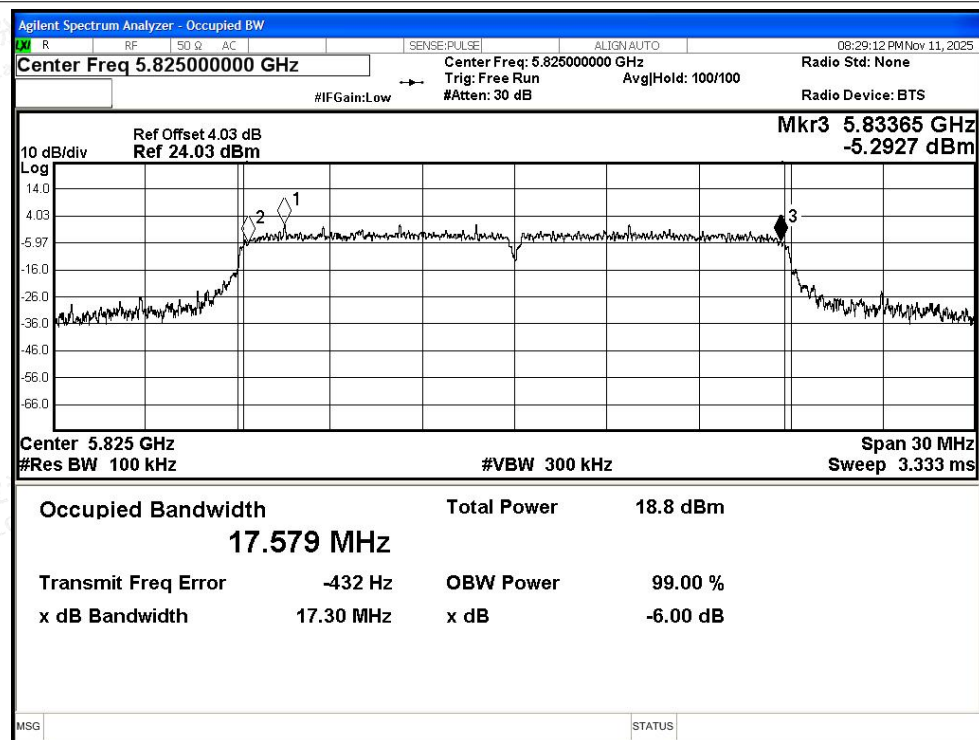
Scan code to check authenticity



-6dB Bandwidth NVNT n20 5785MHz Ant1



-6dB Bandwidth NVNT n20 5825MHz Ant1



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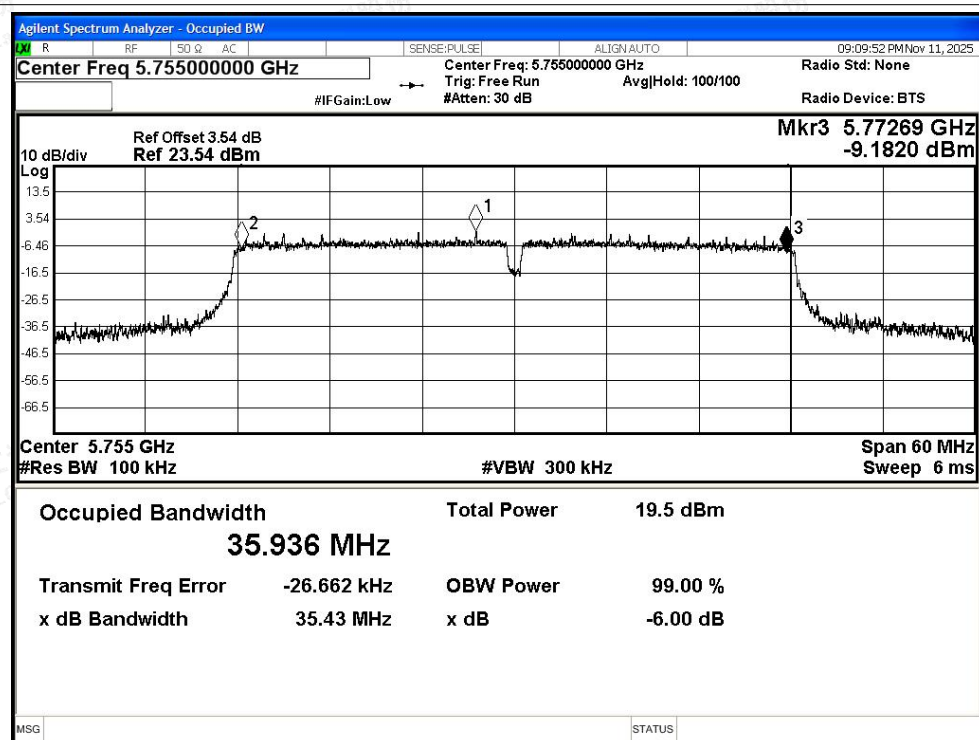
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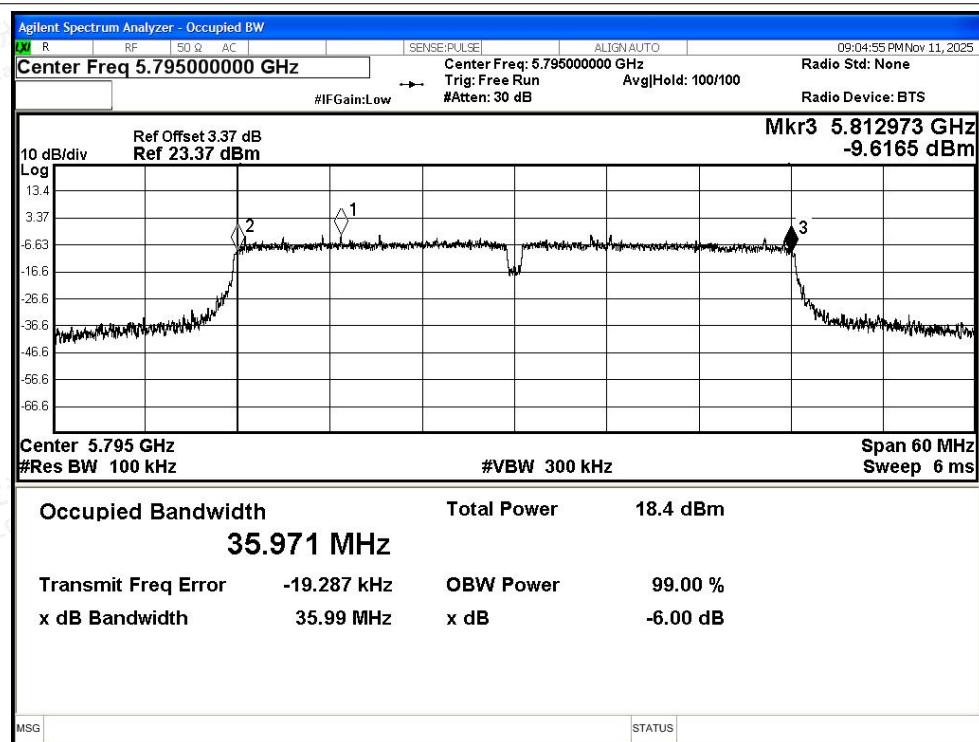
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-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant1



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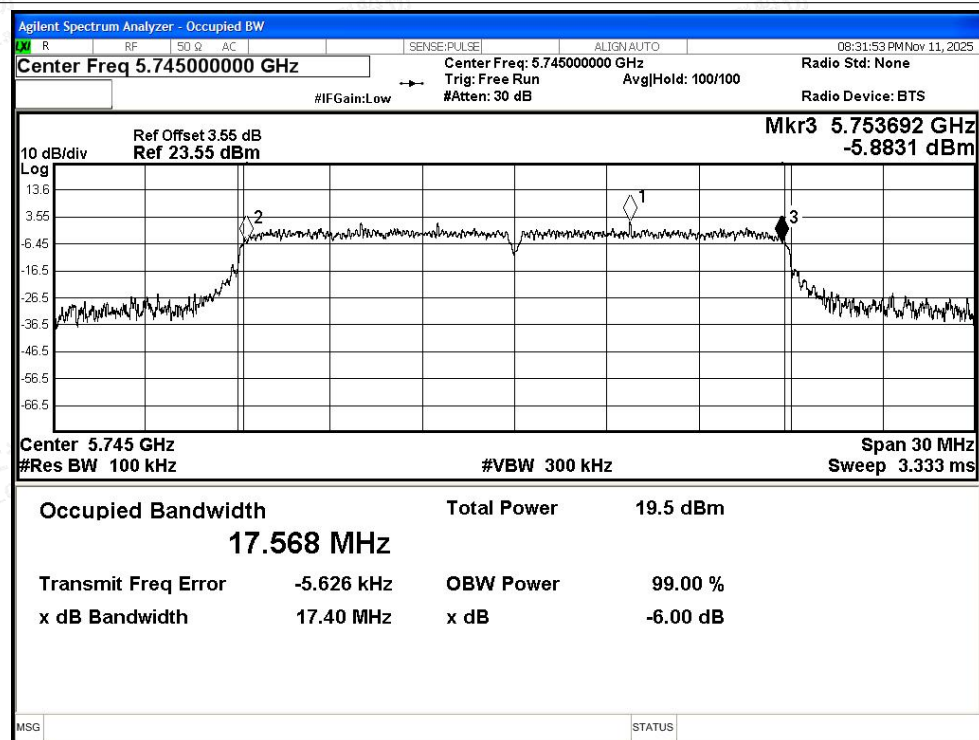
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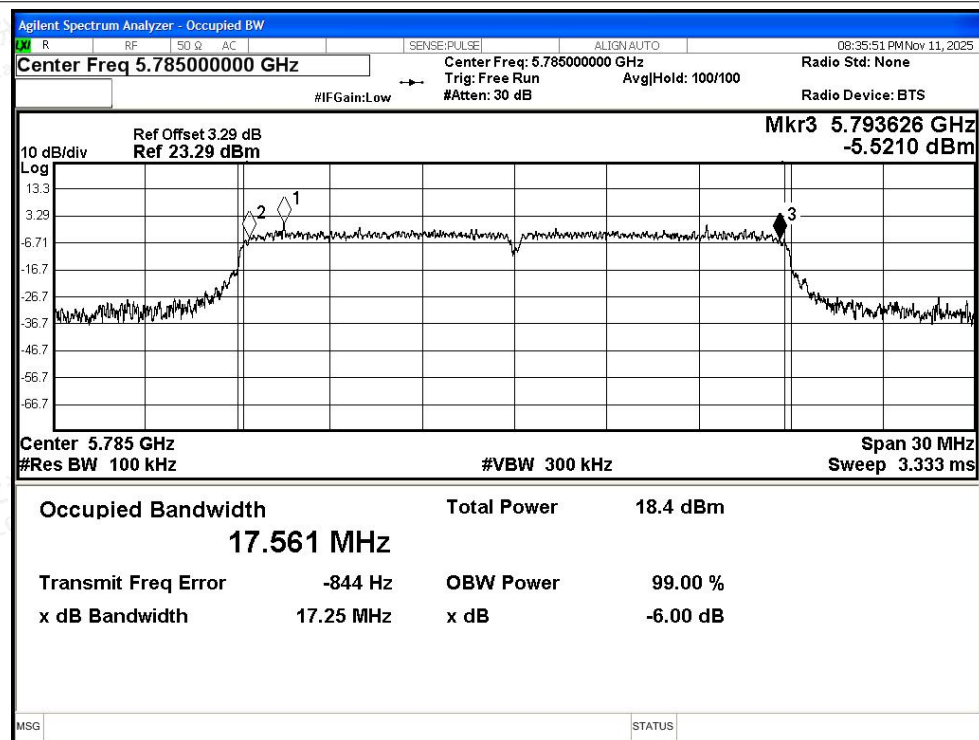
Scan code to check authenticity



-6dB Bandwidth NVNT ac20 5745MHz Ant1



-6dB Bandwidth NVNT ac20 5785MHz Ant1



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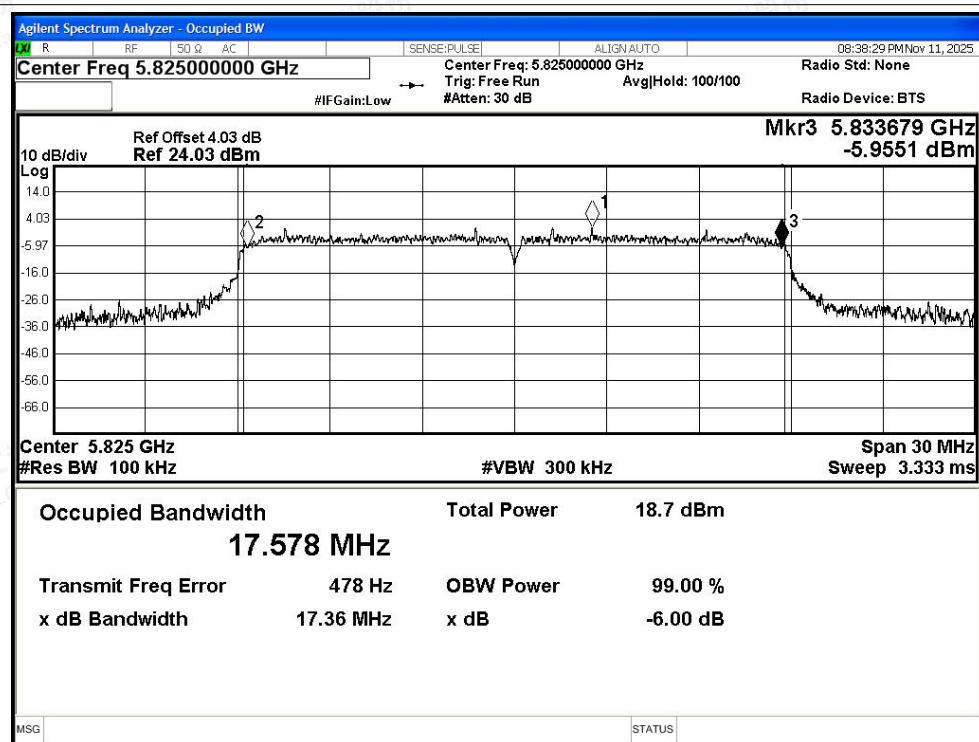
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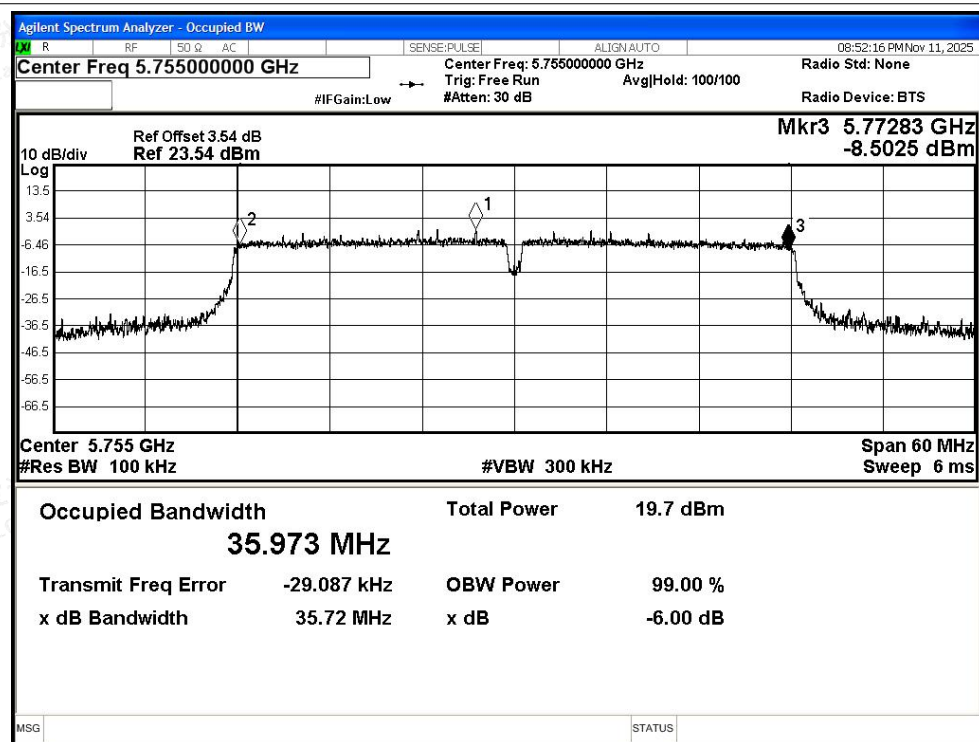
Scan code to check authenticity



-6dB Bandwidth NVNT ac20 5825MHz Ant1



-6dB Bandwidth NVNT ac40 5755MHz Ant1



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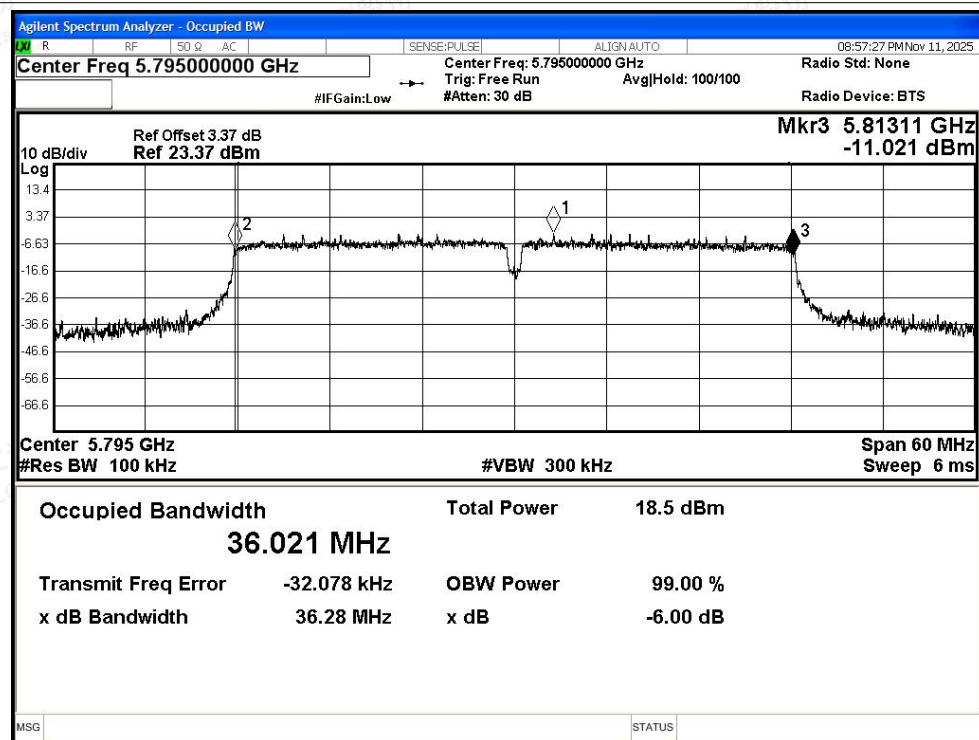
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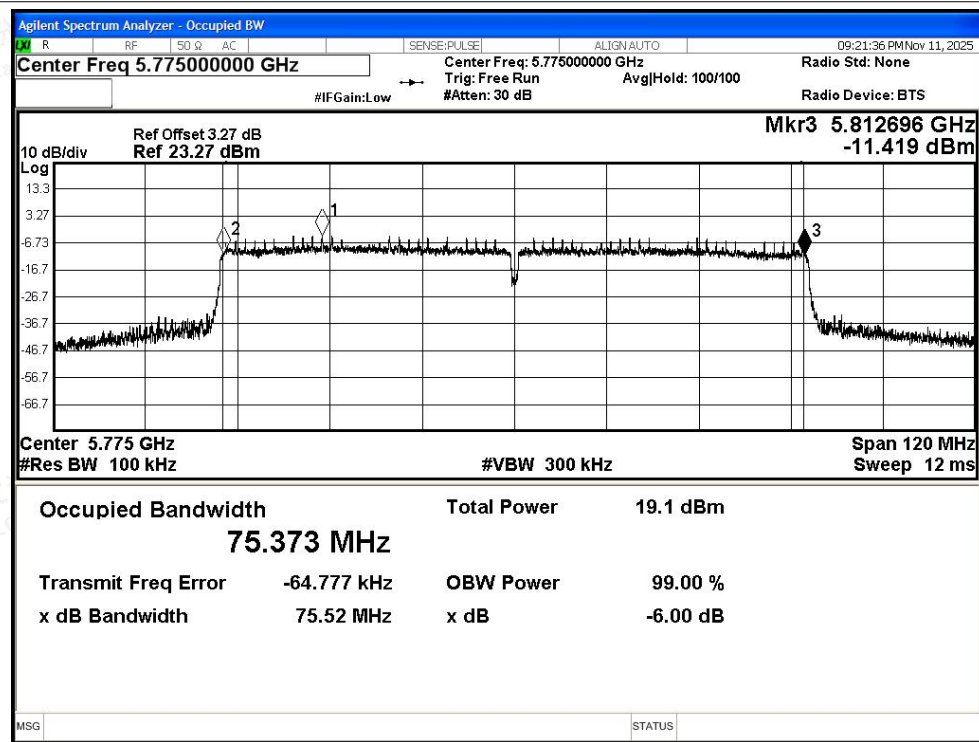
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-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1



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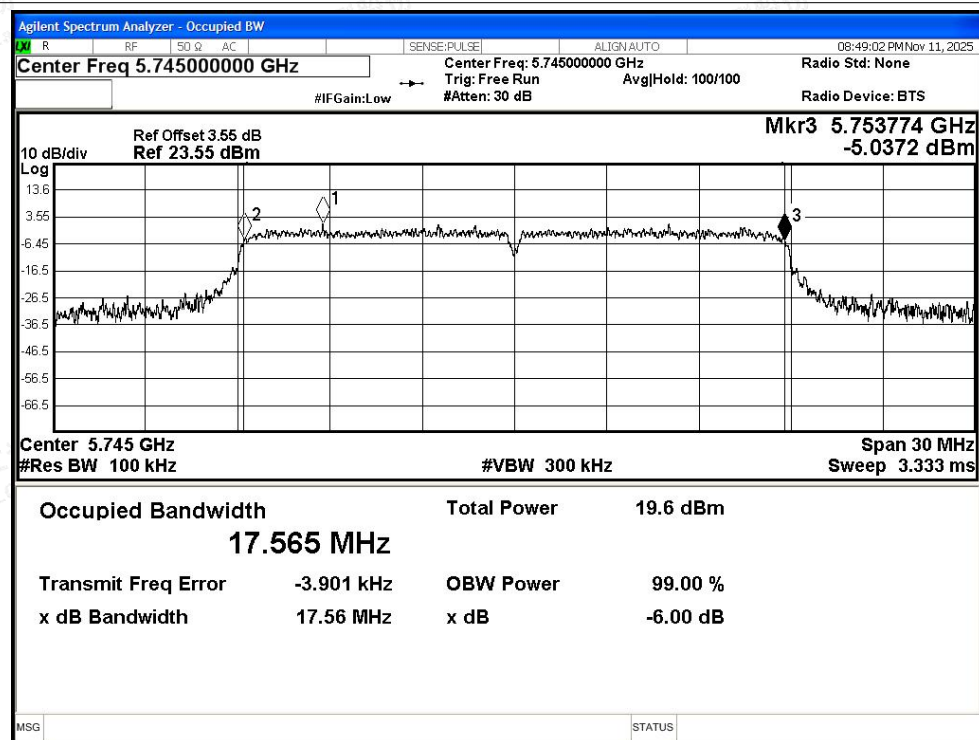
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

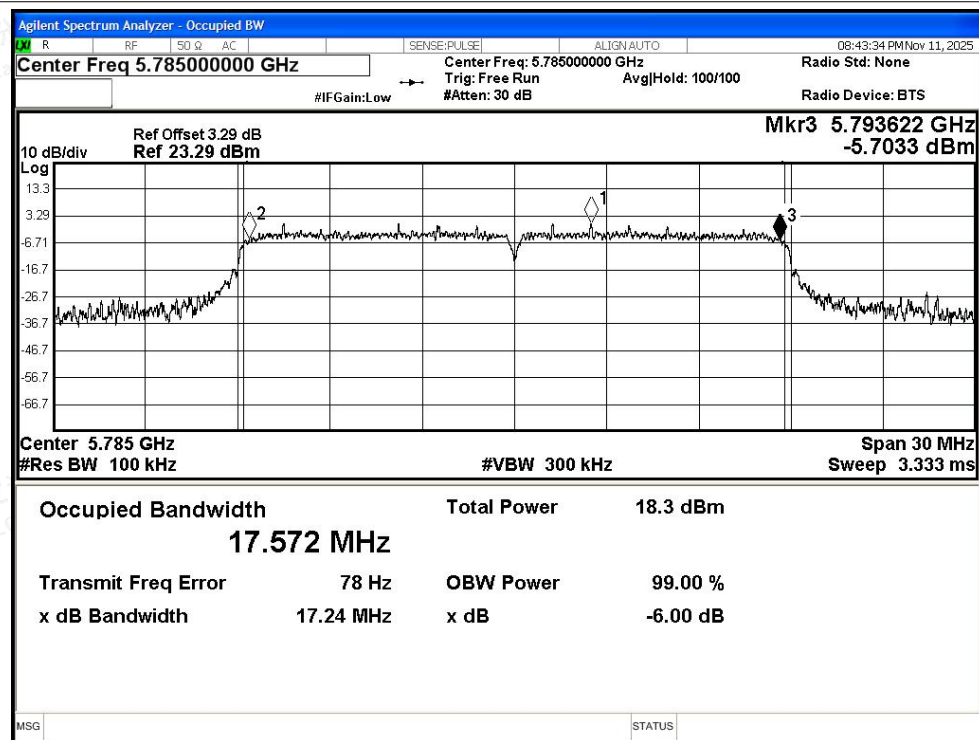
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-6dB Bandwidth NVNT ax20 5745MHz Ant1



-6dB Bandwidth NVNT ax20 5785MHz Ant1



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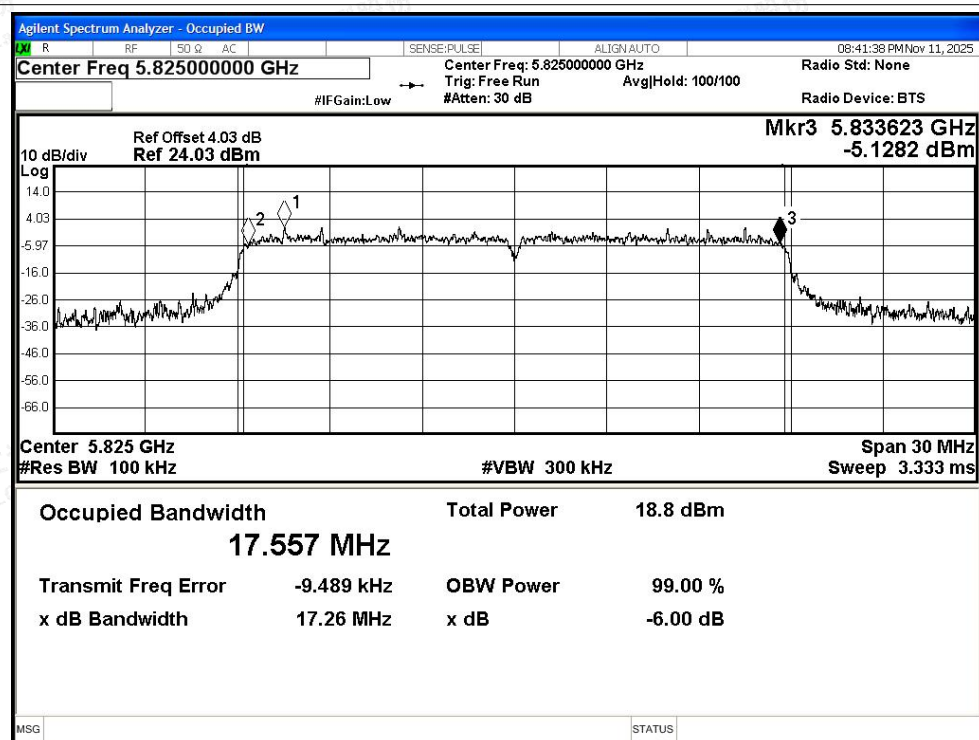
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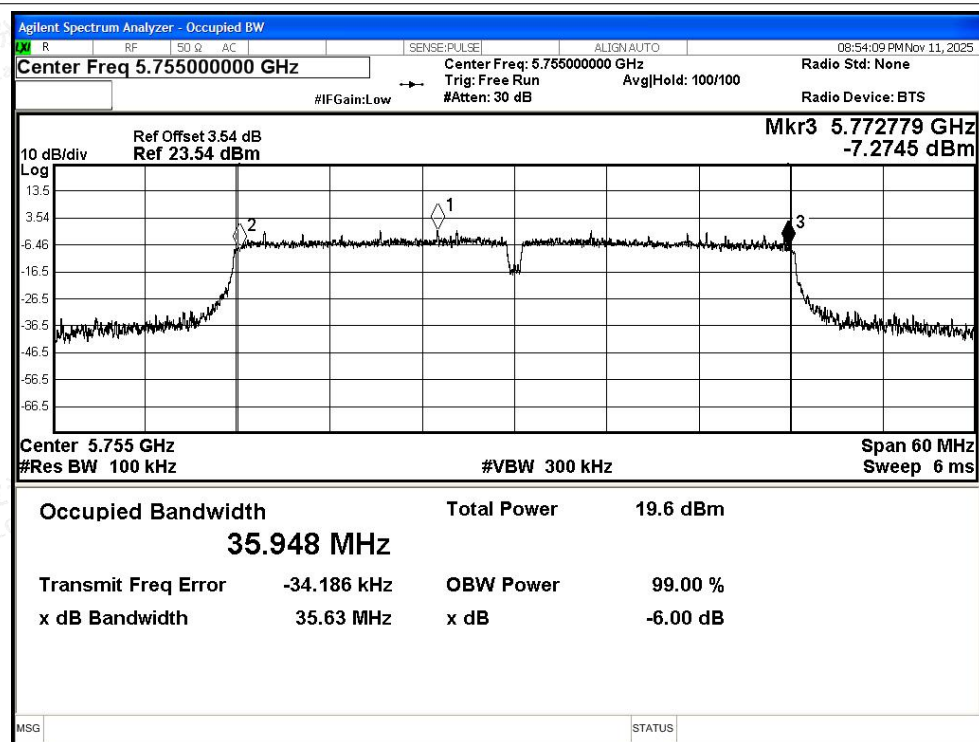
Scan code to check authenticity



-6dB Bandwidth NVNT ax20 5825MHz Ant1



-6dB Bandwidth NVNT ax40 5755MHz Ant1



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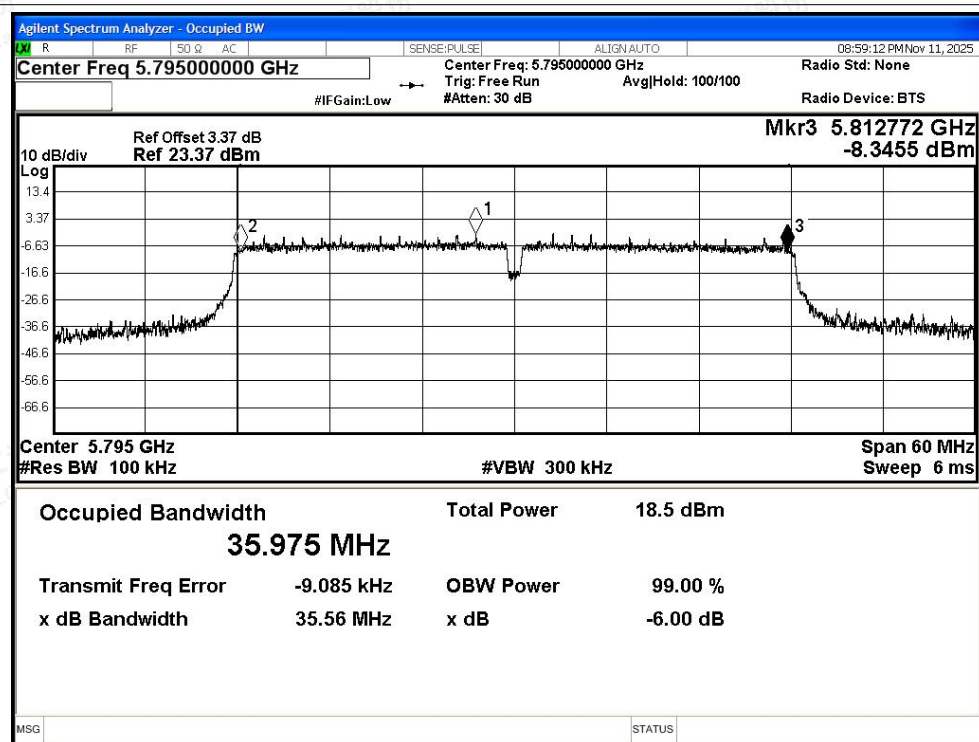
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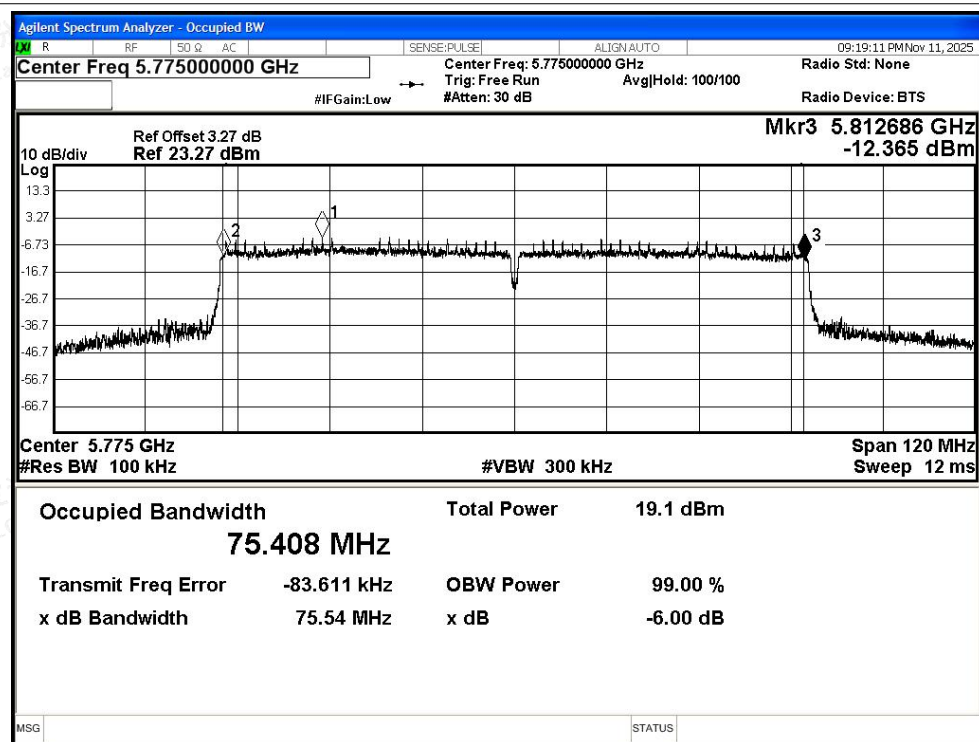
Scan code to check authenticity



-6dB Bandwidth NVNT ax40 5795MHz Ant1



-6dB Bandwidth NVNT ax80 5775MHz Ant1



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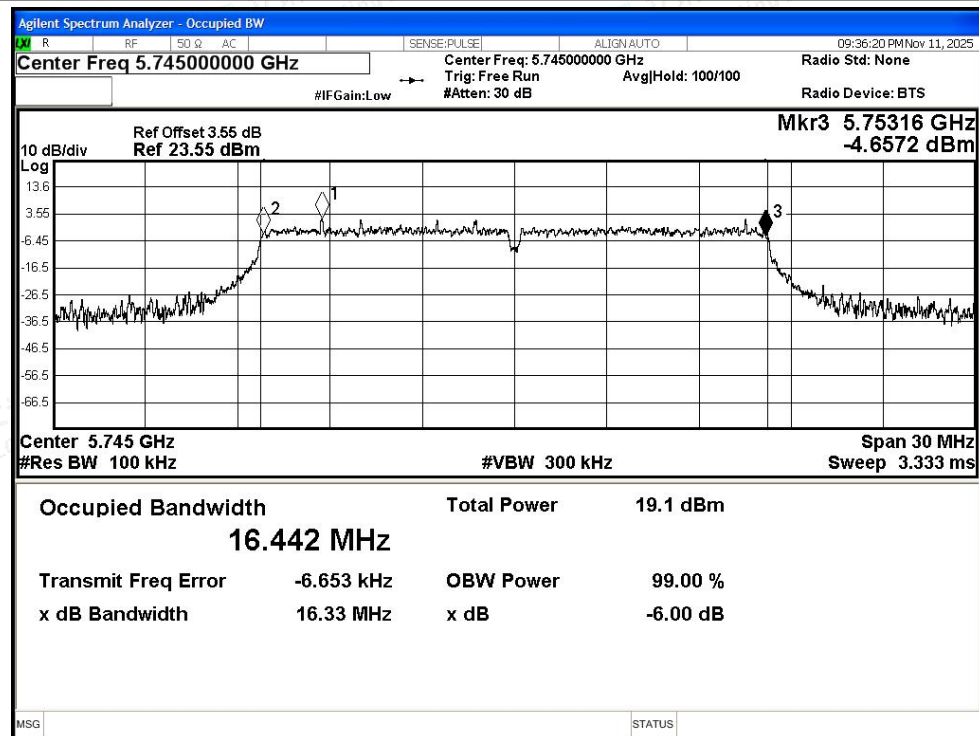
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant2	16.333	≥ 0.5	Pass
NVNT	a	5785	Ant2	16.324	≥ 0.5	Pass
NVNT	a	5825	Ant2	16.323	≥ 0.5	Pass
NVNT	n20	5745	Ant2	17.189	≥ 0.5	Pass
NVNT	n20	5785	Ant2	17.249	≥ 0.5	Pass
NVNT	n20	5825	Ant2	17.446	≥ 0.5	Pass
NVNT	n40	5755	Ant2	35.366	≥ 0.5	Pass
NVNT	n40	5795	Ant2	35.959	≥ 0.5	Pass
NVNT	ac20	5745	Ant2	17.523	≥ 0.5	Pass
NVNT	ac20	5785	Ant2	17.391	≥ 0.5	Pass
NVNT	ac20	5825	Ant2	17.273	≥ 0.5	Pass
NVNT	ac40	5755	Ant2	35.748	≥ 0.5	Pass
NVNT	ac40	5795	Ant2	36.113	≥ 0.5	Pass
NVNT	ac80	5775	Ant2	75.512	≥ 0.5	Pass
NVNT	ax20	5745	Ant2	17.249	≥ 0.5	Pass
NVNT	ax20	5785	Ant2	17.388	≥ 0.5	Pass
NVNT	ax20	5825	Ant2	17.278	≥ 0.5	Pass
NVNT	ax40	5755	Ant2	35.483	≥ 0.5	Pass
NVNT	ax40	5795	Ant2	35.839	≥ 0.5	Pass
NVNT	ax80	5775	Ant2	75.375	≥ 0.5	Pass



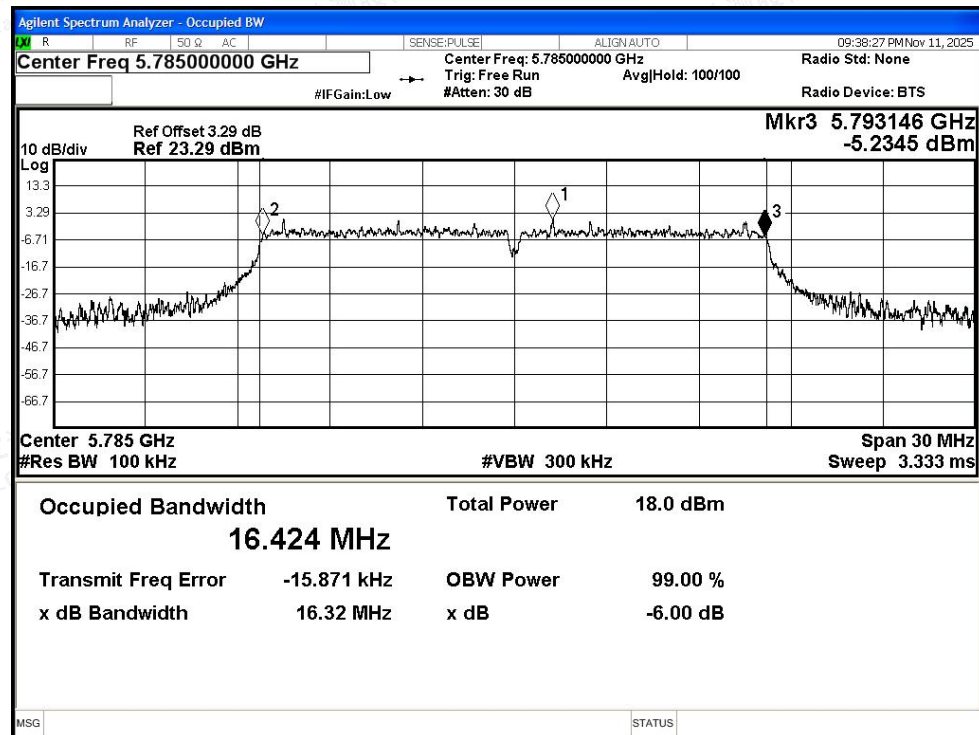


Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant2



-6dB Bandwidth NVNT a 5785MHz Ant2



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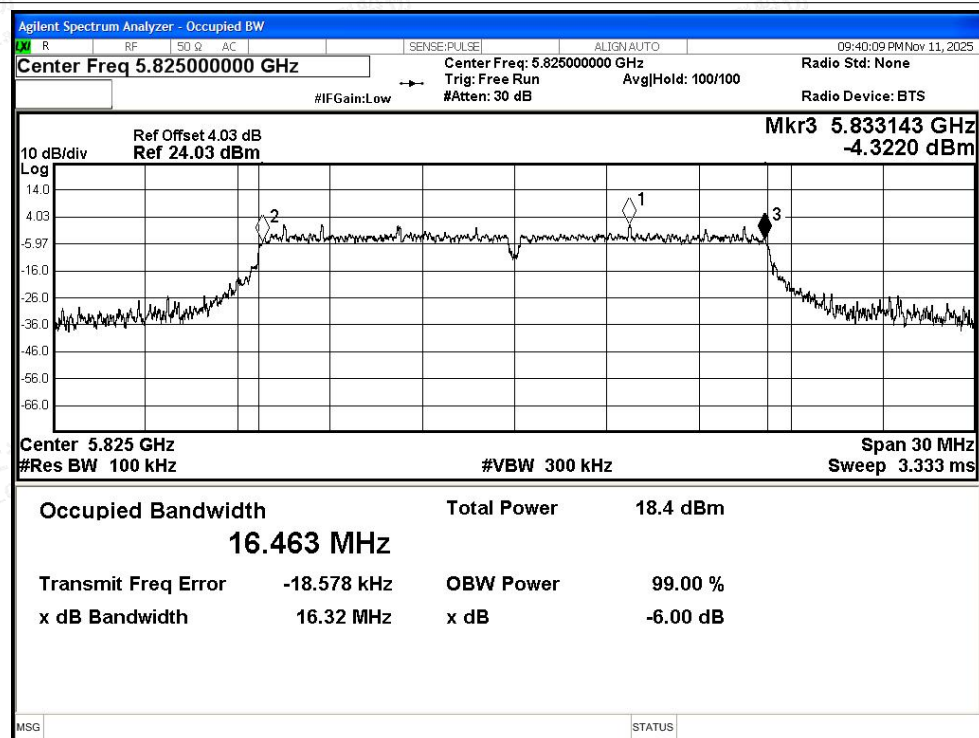
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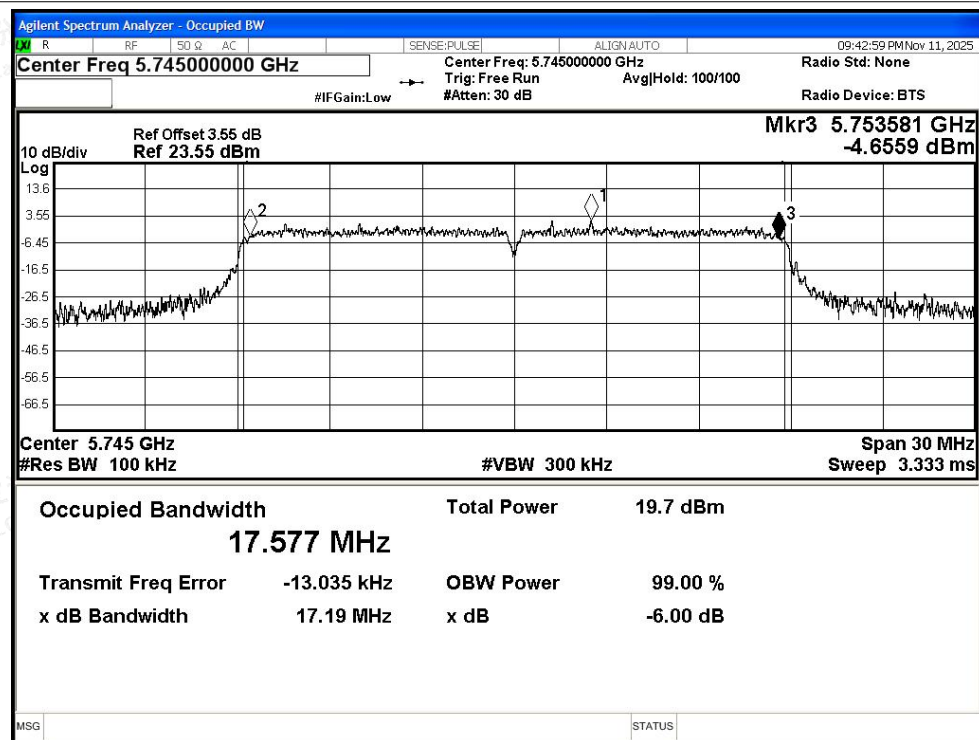
Scan code to check authenticity



-6dB Bandwidth NVNT a 5825MHz Ant2



-6dB Bandwidth NVNT n20 5745MHz Ant2



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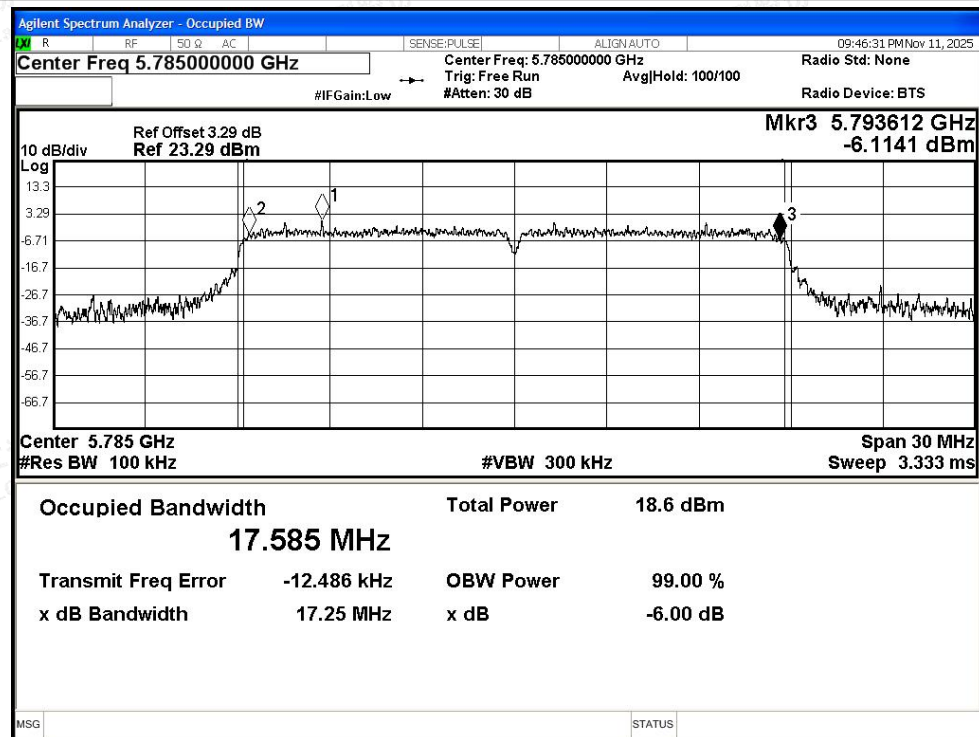
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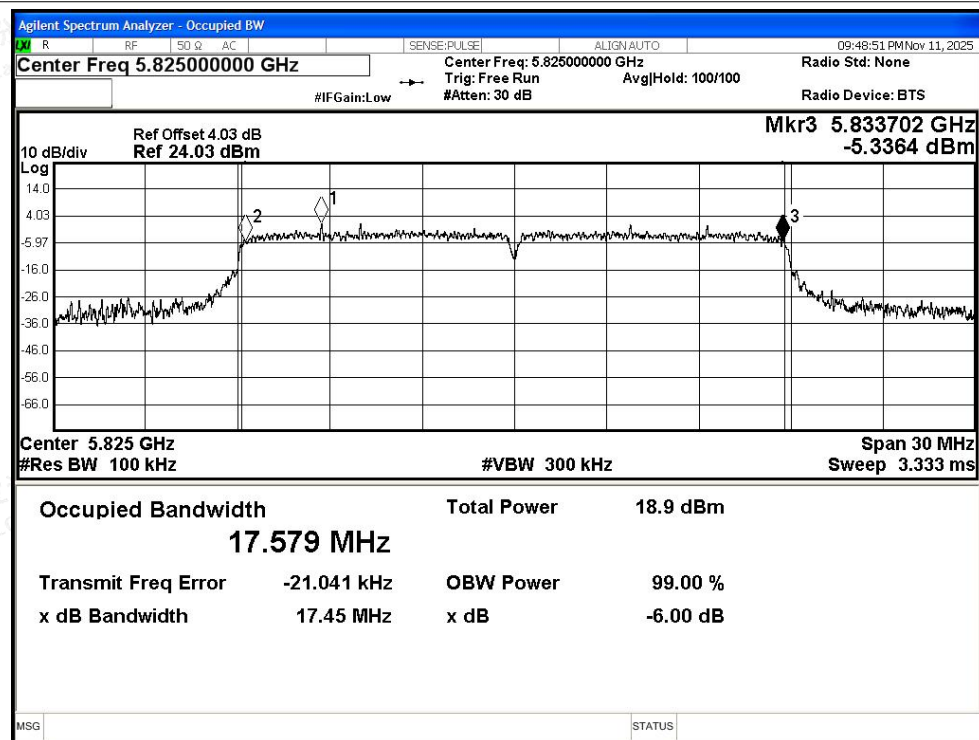
Scan code to check authenticity



-6dB Bandwidth NVNT n20 5785MHz Ant2



-6dB Bandwidth NVNT n20 5825MHz Ant2



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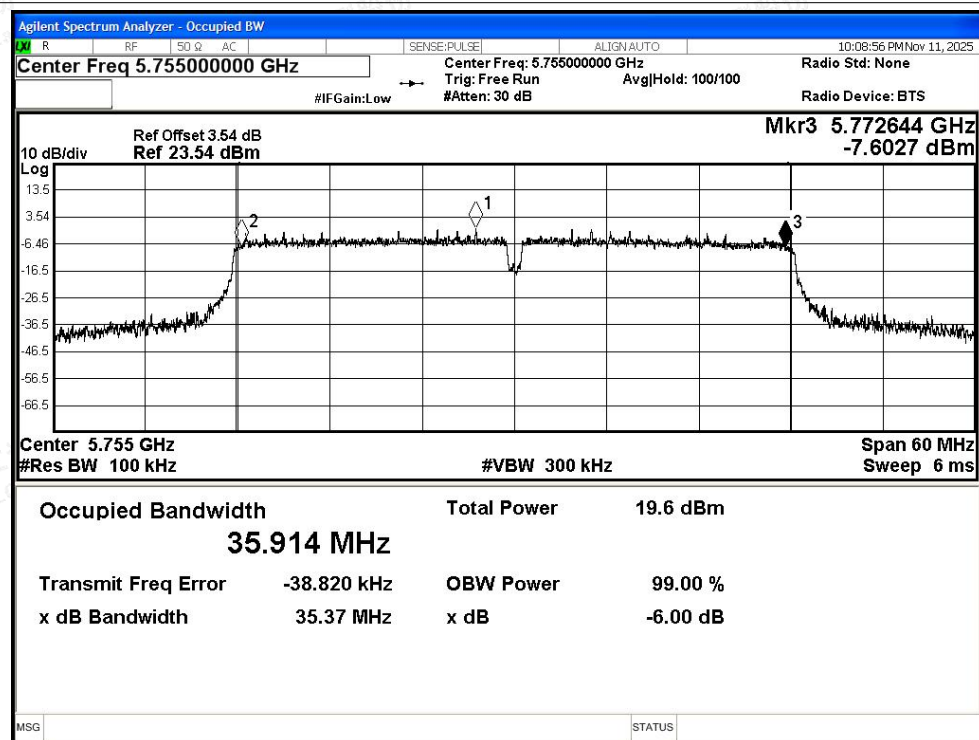
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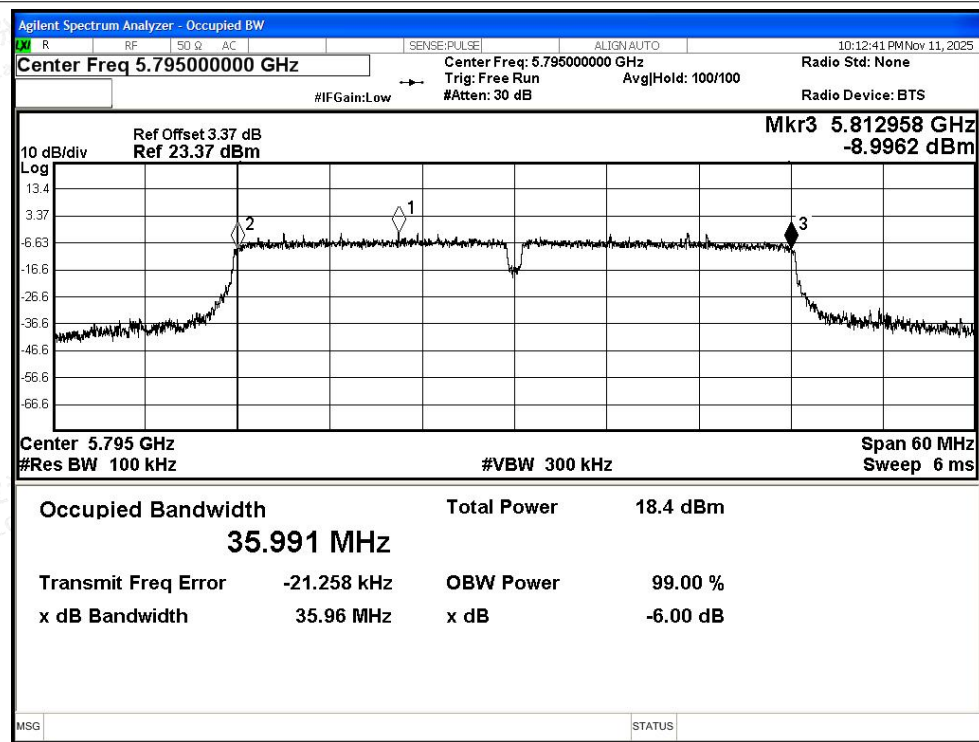
Scan code to check authenticity



-6dB Bandwidth NVNT n40 5755MHz Ant2



-6dB Bandwidth NVNT n40 5795MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

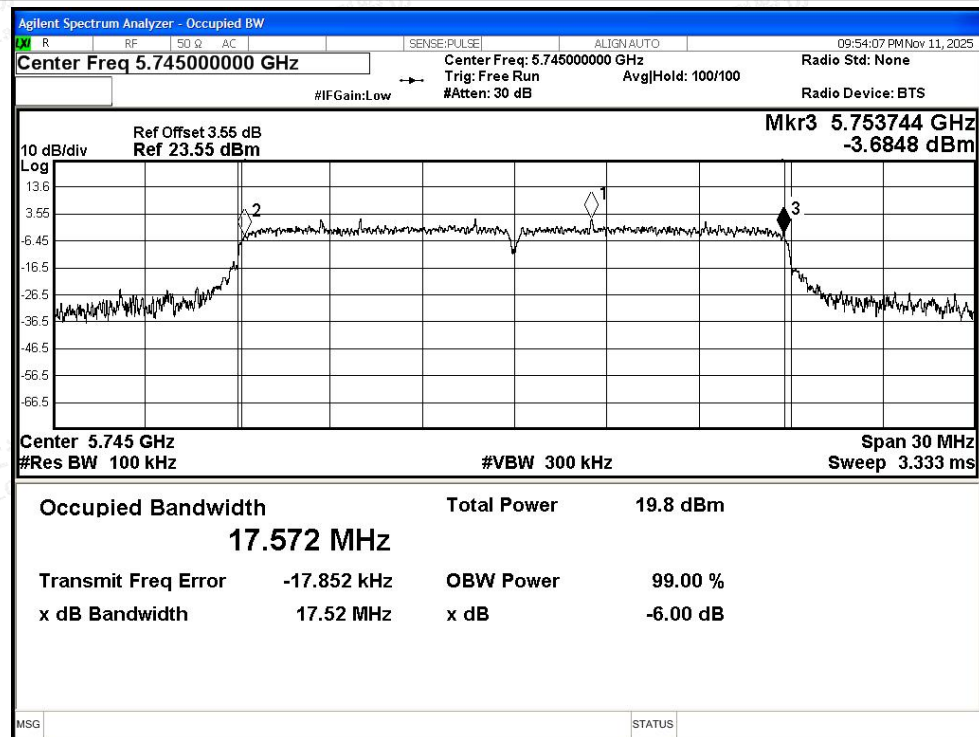
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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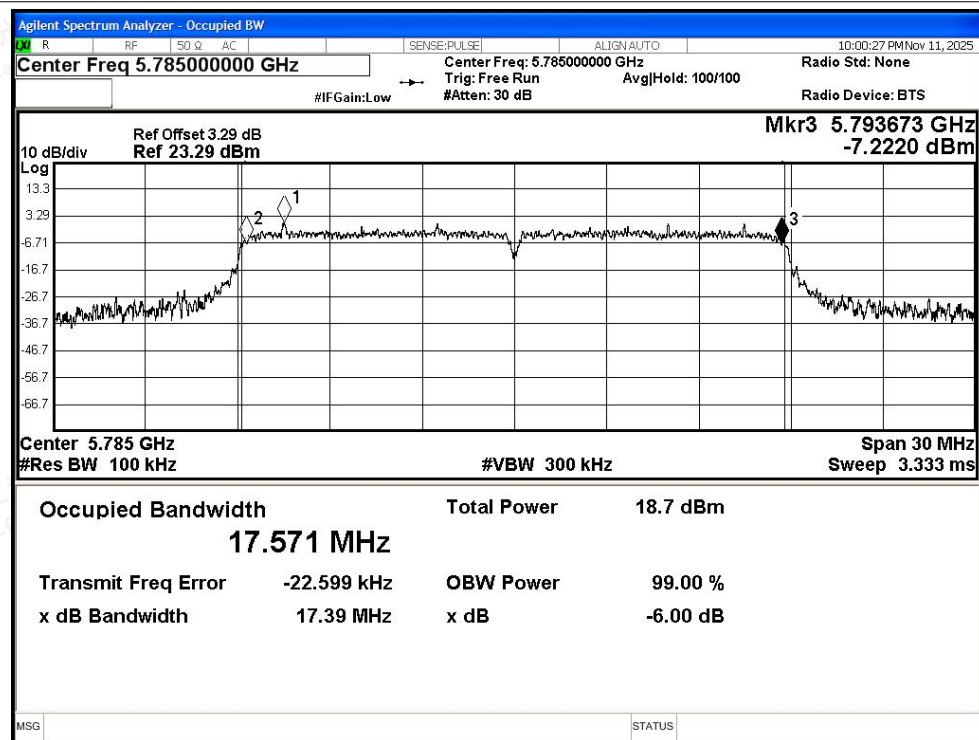
Scan code to check authenticity



-6dB Bandwidth NVNT ac20 5745MHz Ant2



-6dB Bandwidth NVNT ac20 5785MHz Ant2



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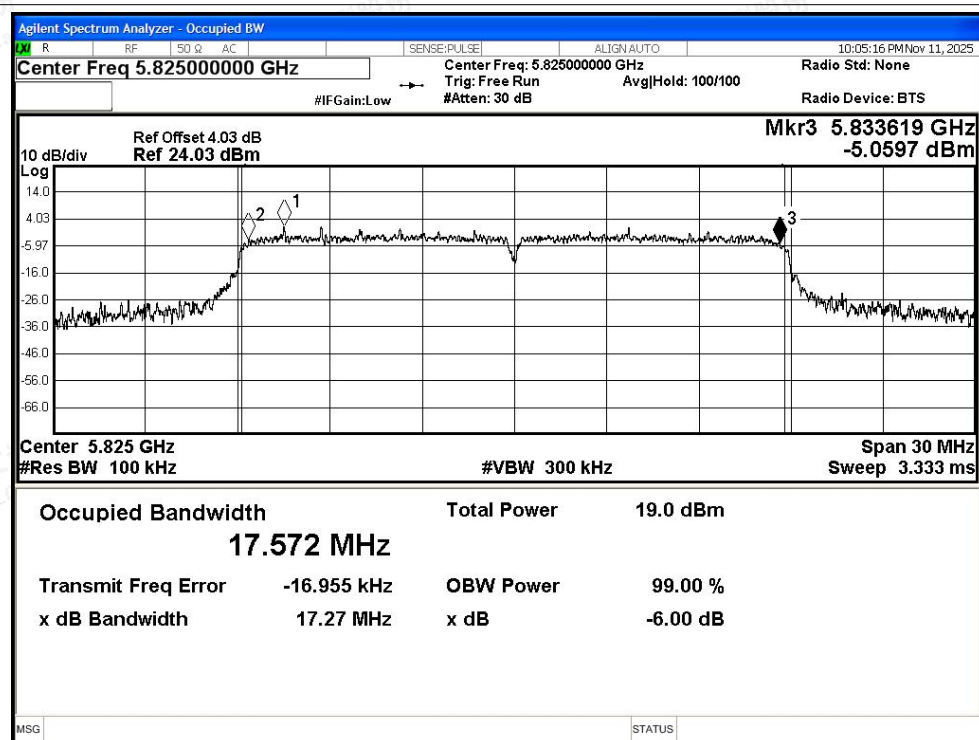
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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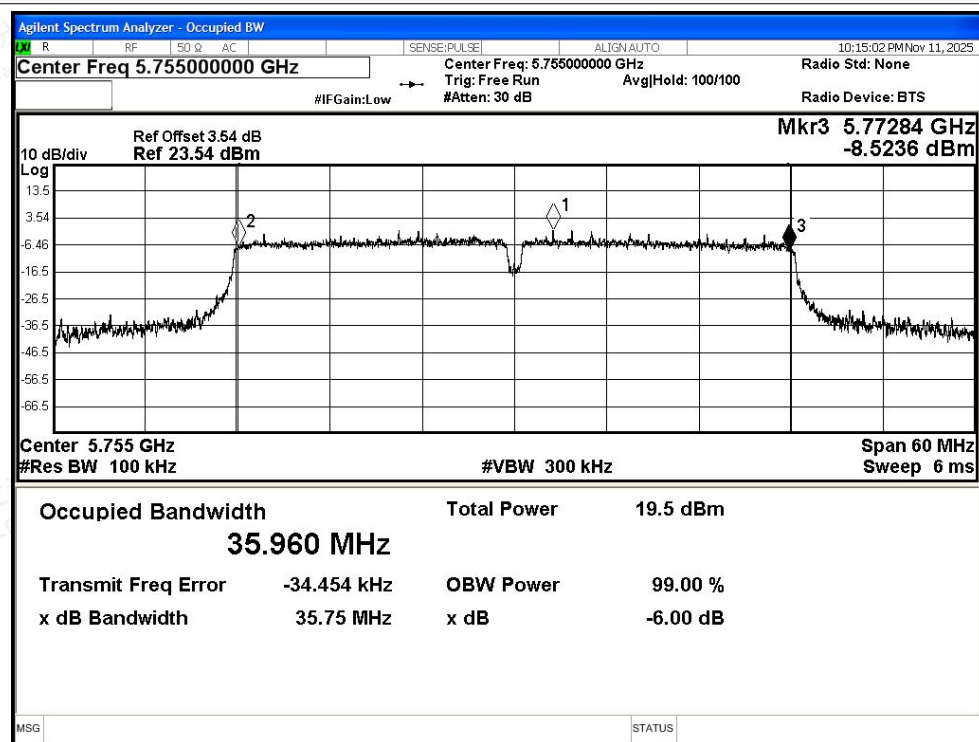
Scan code to check authenticity



-6dB Bandwidth NVNT ac20 5825MHz Ant2



-6dB Bandwidth NVNT ac40 5755MHz Ant2



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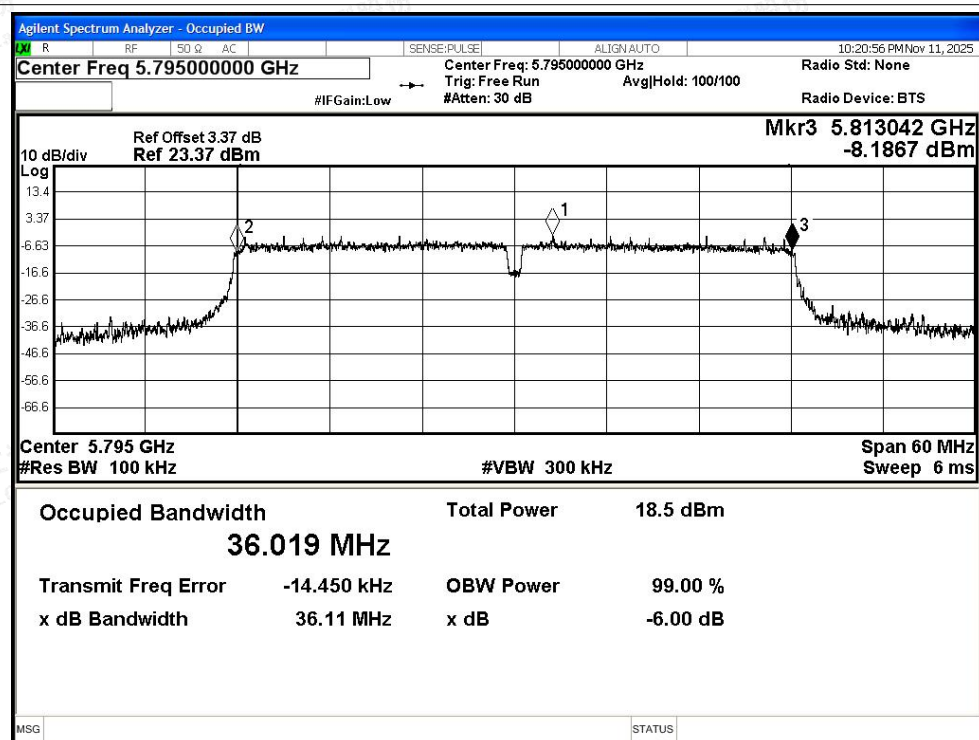
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

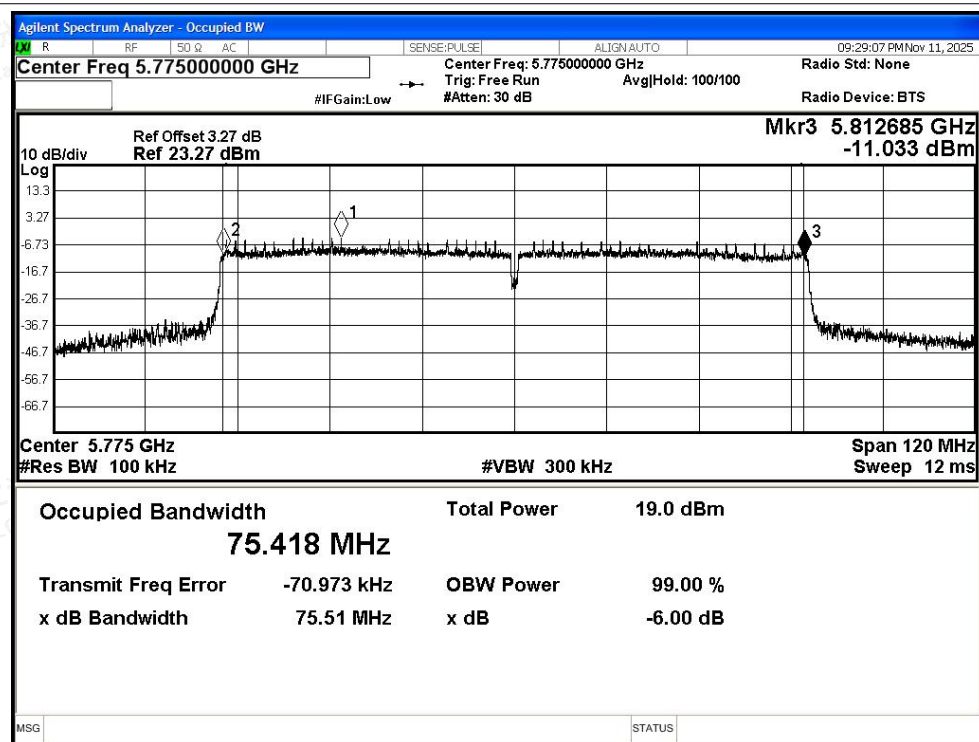
Scan code to check authenticity



-6dB Bandwidth NVNT ac40 5795MHz Ant2



-6dB Bandwidth NVNT ac80 5775MHz Ant2

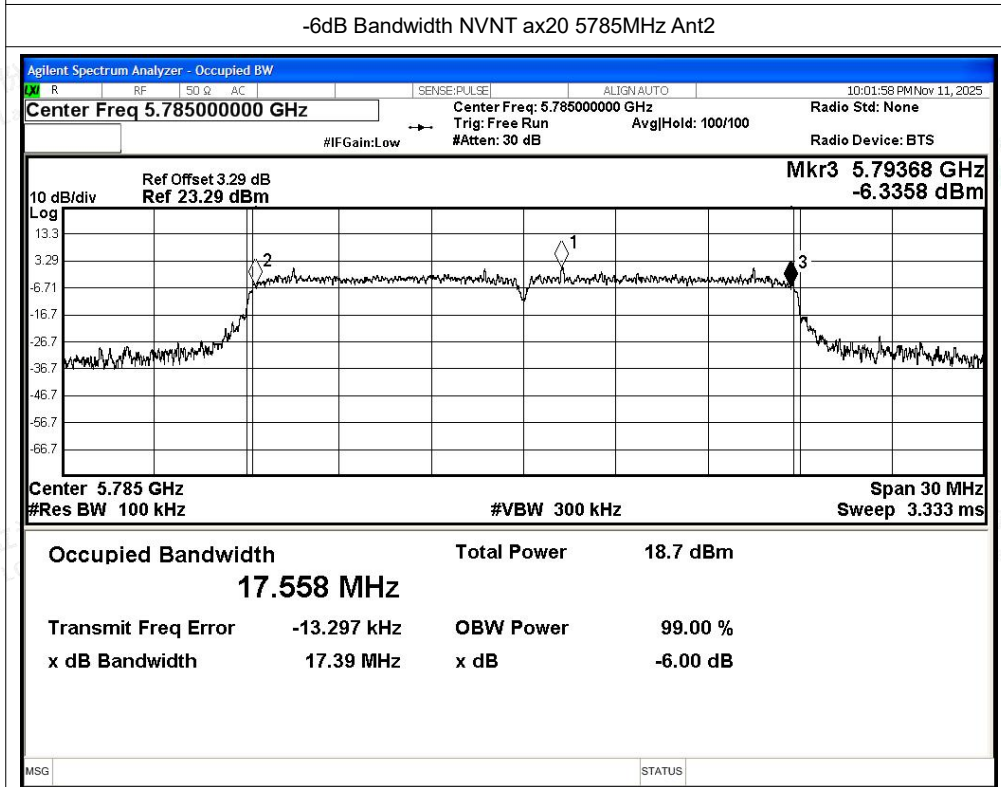
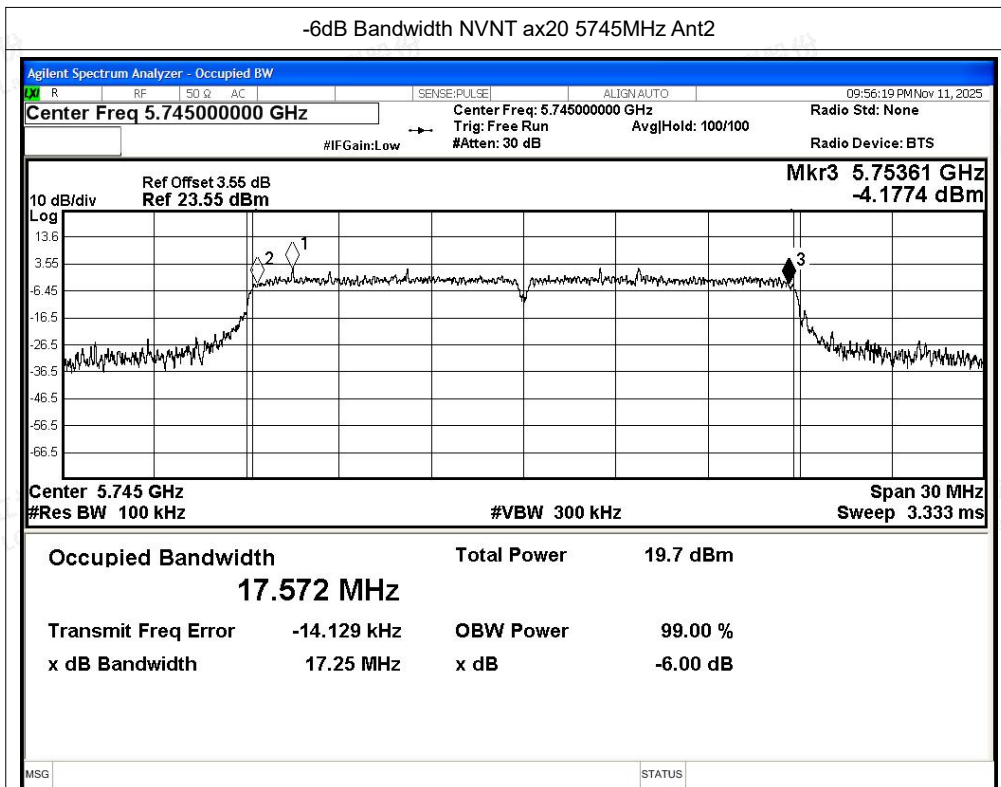


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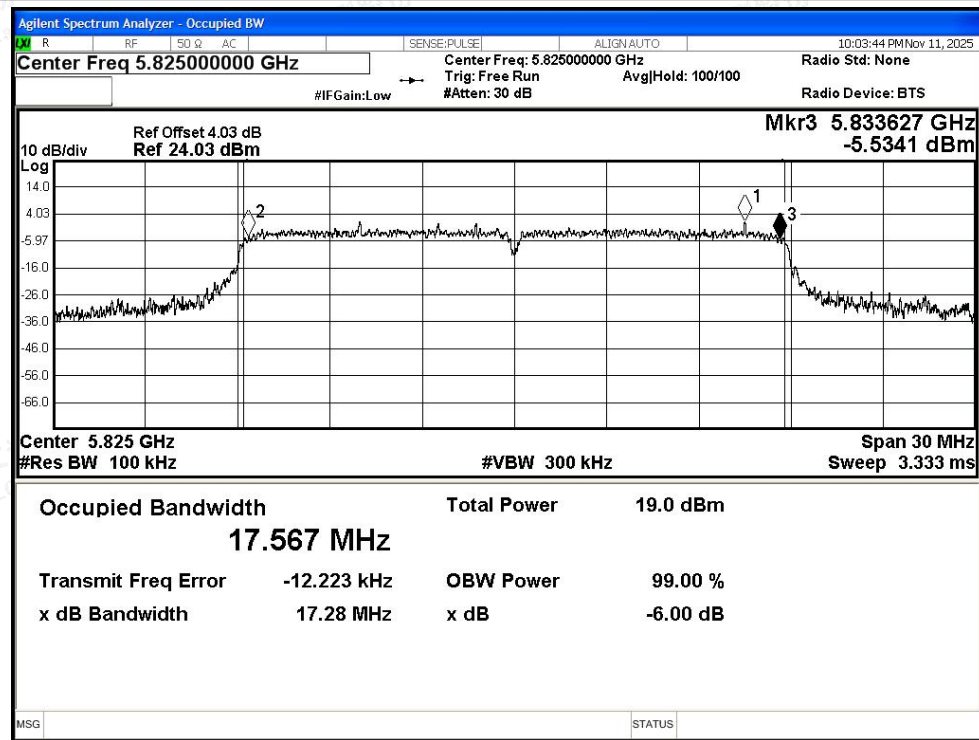
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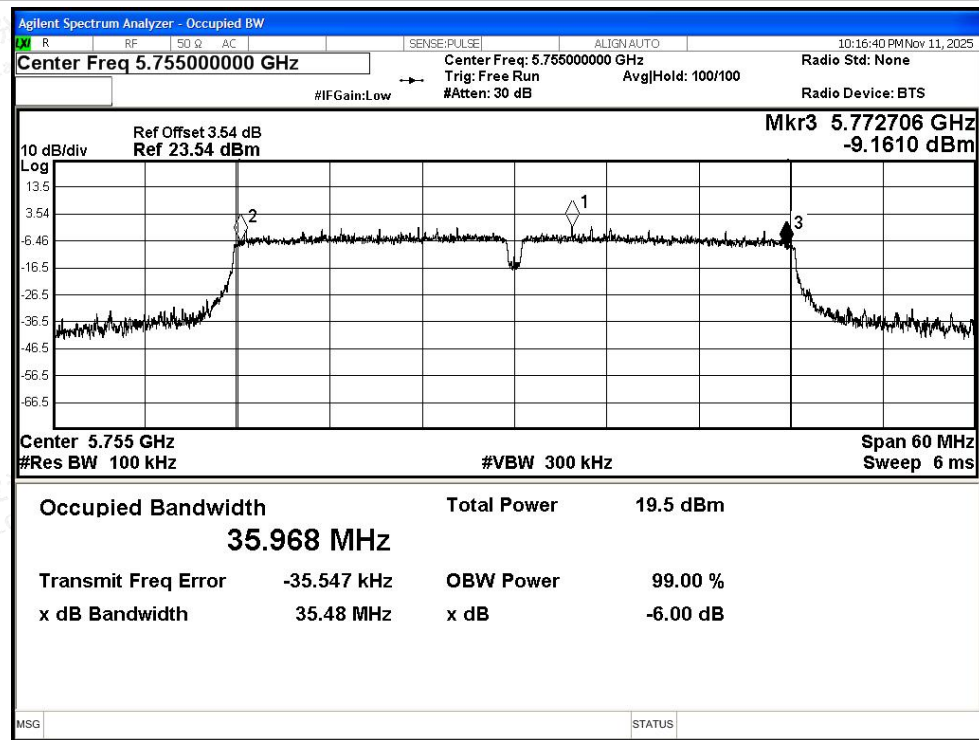
Scan code to check authenticity



-6dB Bandwidth NVNT ax20 5825MHz Ant2



-6dB Bandwidth NVNT ax40 5755MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

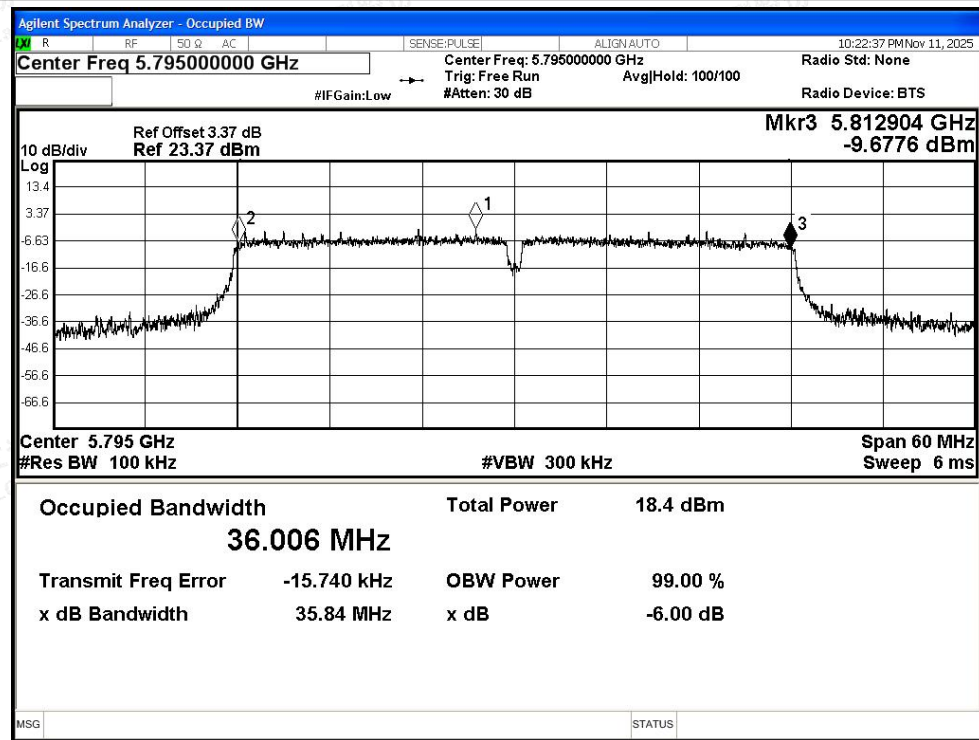
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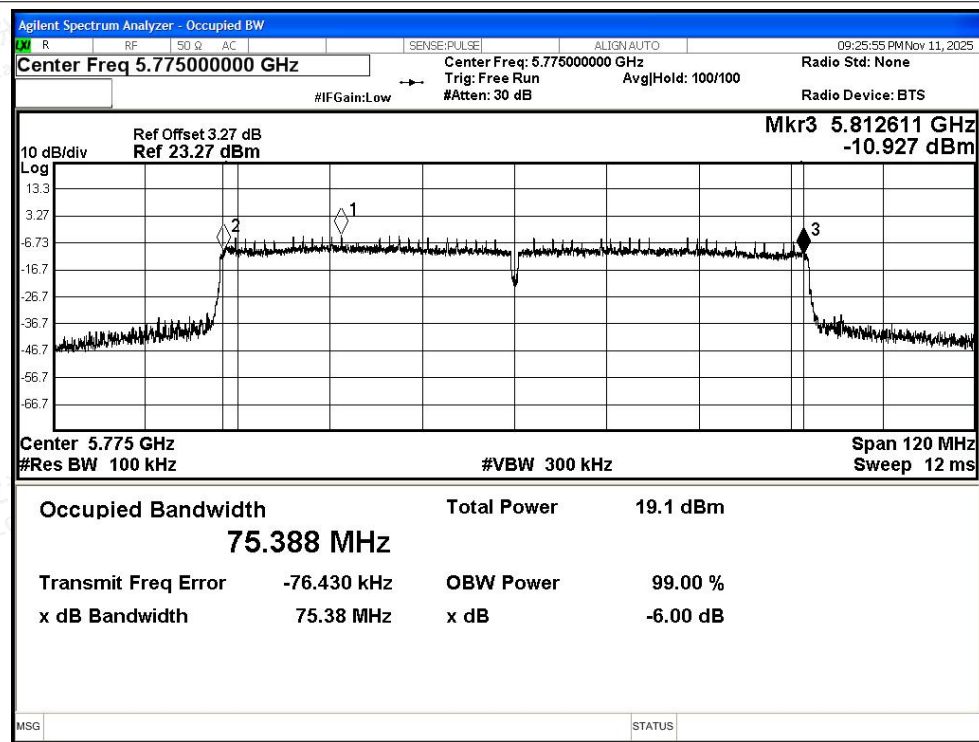
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-6dB Bandwidth NVNT ax40 5795MHz Ant2



-6dB Bandwidth NVNT ax80 5775MHz Ant2



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G.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	13.21	0.1	13.31	30	Pass
NVNT	a	5785	Ant1	12.06	0.1	12.16	30	Pass
NVNT	a	5825	Ant1	12.41	0.1	12.51	30	Pass
NVNT	n20	5745	Ant1	13.5	0.12	13.62	30	Pass
NVNT	n20	5785	Ant1	12.34	0.12	12.46	30	Pass
NVNT	n20	5825	Ant1	12.63	0.12	12.75	30	Pass
NVNT	n40	5755	Ant1	12.9	0.24	13.14	30	Pass
NVNT	n40	5795	Ant1	11.84	0.24	12.08	30	Pass
NVNT	ac20	5745	Ant1	13.29	0.12	13.41	30	Pass
NVNT	ac20	5785	Ant1	12.18	0.12	12.3	30	Pass
NVNT	ac20	5825	Ant1	12.54	0.12	12.66	30	Pass
NVNT	ac40	5755	Ant1	13.14	0.24	13.38	30	Pass
NVNT	ac40	5795	Ant1	11.94	0.24	12.18	30	Pass
NVNT	ac80	5775	Ant1	11.8	0.47	12.27	30	Pass
NVNT	ax20	5745	Ant1	13.49	0.12	13.61	30	Pass
NVNT	ax20	5785	Ant1	12.24	0.12	12.36	30	Pass
NVNT	ax20	5825	Ant1	12.63	0.12	12.75	30	Pass
NVNT	ax40	5755	Ant1	13.08	0.23	13.31	30	Pass
NVNT	ax40	5795	Ant1	11.84	0.24	12.08	30	Pass
NVNT	ax80	5775	Ant1	11.83	0.47	12.3	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant2	13.36	0.1	13.46	30	Pass
NVNT	a	5785	Ant2	12.18	0.1	12.28	30	Pass
NVNT	a	5825	Ant2	12.47	0.1	12.57	30	Pass
NVNT	n20	5745	Ant2	13.6	0.12	13.72	30	Pass
NVNT	n20	5785	Ant2	12.44	0.12	12.56	30	Pass
NVNT	n20	5825	Ant2	12.76	0.12	12.88	30	Pass
NVNT	n40	5755	Ant2	12.98	0.23	13.21	30	Pass
NVNT	n40	5795	Ant2	11.83	0.24	12.07	30	Pass
NVNT	ac20	5745	Ant2	13.56	0.12	13.68	30	Pass
NVNT	ac20	5785	Ant2	12.51	0.12	12.63	30	Pass
NVNT	ac20	5825	Ant2	12.8	0.12	12.92	30	Pass
NVNT	ac40	5755	Ant2	12.91	0.24	13.15	30	Pass
NVNT	ac40	5795	Ant2	11.83	0.24	12.07	30	Pass
NVNT	ac80	5775	Ant2	11.83	0.47	12.3	30	Pass
NVNT	ax20	5745	Ant2	13.57	0.12	13.69	30	Pass
NVNT	ax20	5785	Ant2	12.47	0.12	12.59	30	Pass



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NVNT	ax20	5825	Ant2	12.79	0.12	12.91	30	Pass
NVNT	ax40	5755	Ant2	12.88	0.24	13.12	30	Pass
NVNT	ax40	5795	Ant2	11.83	0.23	12.06	30	Pass
NVNT	ax80	5775	Ant2	11.76	0.47	12.23	30	Pass

MIMO

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5745	13.62	13.72	16.68	30	Pass
NVNT	n20	5785	12.46	12.56	15.52	30	Pass
NVNT	n20	5825	12.75	12.88	15.83	30	Pass
NVNT	n40	5755	13.14	13.21	16.19	30	Pass
NVNT	n40	5795	12.08	12.07	15.09	30	Pass
NVNT	ac20	5745	13.41	13.68	16.56	30	Pass
NVNT	ac20	5785	12.3	12.63	15.48	30	Pass
NVNT	ac20	5825	12.66	12.92	15.80	30	Pass
NVNT	ac40	5755	13.38	13.15	16.28	30	Pass
NVNT	ac40	5795	12.18	12.07	15.14	30	Pass
NVNT	ac80	5775	12.27	12.3	15.30	30	Pass
NVNT	ax20	5745	13.61	13.69	16.66	30	Pass
NVNT	ax20	5785	12.36	12.59	15.49	30	Pass
NVNT	ax20	5825	12.75	12.91	15.84	30	Pass
NVNT	ax40	5755	13.31	13.12	16.23	30	Pass
NVNT	ax40	5795	12.08	12.06	15.08	30	Pass
NVNT	ax80	5775	12.3	12.23	15.28	30	Pass





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	-4.85	0.1	-4.75	30	Pass
NVNT	a	5785	Ant1	-5.53	0.1	-5.43	30	Pass
NVNT	a	5825	Ant1	-5.59	0.1	-5.49	30	Pass
NVNT	n20	5745	Ant1	-4.92	0.12	-4.8	30	Pass
NVNT	n20	5785	Ant1	-5.61	0.12	-5.49	30	Pass
NVNT	n20	5825	Ant1	-5.58	0.12	-5.46	30	Pass
NVNT	n40	5755	Ant1	-8.16	0.23	-7.93	30	Pass
NVNT	n40	5795	Ant1	-9.24	0.24	-9	30	Pass
NVNT	ac20	5745	Ant1	-5	0.12	-4.88	30	Pass
NVNT	ac20	5785	Ant1	-5.59	0.12	-5.47	30	Pass
NVNT	ac20	5825	Ant1	-5.56	0.12	-5.44	30	Pass
NVNT	ac40	5755	Ant1	-8.22	0.24	-7.98	30	Pass
NVNT	ac40	5795	Ant1	-9.25	0.24	-9.01	30	Pass
NVNT	ac80	5775	Ant1	-11.93	0.47	-11.46	30	Pass
NVNT	ax20	5745	Ant1	-5.11	0.12	-4.99	30	Pass
NVNT	ax20	5785	Ant1	-5.78	0.12	-5.66	30	Pass
NVNT	ax20	5825	Ant1	-5.23	0.12	-5.11	30	Pass
NVNT	ax40	5755	Ant1	-8.14	0.24	-7.9	30	Pass
NVNT	ax40	5795	Ant1	-9.2	0.23	-8.97	30	Pass
NVNT	ax80	5775	Ant1	-12.12	0.47	-11.65	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/500KHz)	Duty Factor (dB)	Total PSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
NVNT	a	5745	Ant2	-5.6	0.1	-5.5	30	Pass
NVNT	a	5785	Ant2	-6.15	0.1	-6.05	30	Pass
NVNT	a	5825	Ant2	-5.65	0.1	-5.55	30	Pass
NVNT	n20	5745	Ant2	-5.2	0.12	-5.08	30	Pass
NVNT	n20	5785	Ant2	-5.67	0.12	-5.55	30	Pass
NVNT	n20	5825	Ant2	-5.46	0.12	-5.34	30	Pass
NVNT	n40	5755	Ant2	-8.37	0.23	-8.14	30	Pass
NVNT	n40	5795	Ant2	-9.13	0.24	-8.89	30	Pass
NVNT	ac20	5745	Ant2	-5.03	0.12	-4.91	30	Pass
NVNT	ac20	5785	Ant2	-5.76	0.12	-5.64	30	Pass
NVNT	ac20	5825	Ant2	-5.43	0.12	-5.31	30	Pass
NVNT	ac40	5755	Ant2	-8.44	0.24	-8.2	30	Pass
NVNT	ac40	5795	Ant2	-9.15	0.24	-8.91	30	Pass
NVNT	ac80	5775	Ant2	-11.92	0.47	-11.45	30	Pass



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NVNT	ax20	5745	Ant2	-5.01	0.12	-4.89	30	Pass
NVNT	ax20	5785	Ant2	-5.77	0.12	-5.65	30	Pass
NVNT	ax20	5825	Ant2	-5.49	0.12	-5.37	30	Pass
NVNT	ax40	5755	Ant2	-8.52	0.24	-8.28	30	Pass
NVNT	ax40	5795	Ant2	-9.27	0.23	-9.04	30	Pass
NVNT	ax80	5775	Ant2	-12.04	0.47	-11.57	30	Pass

MIMO

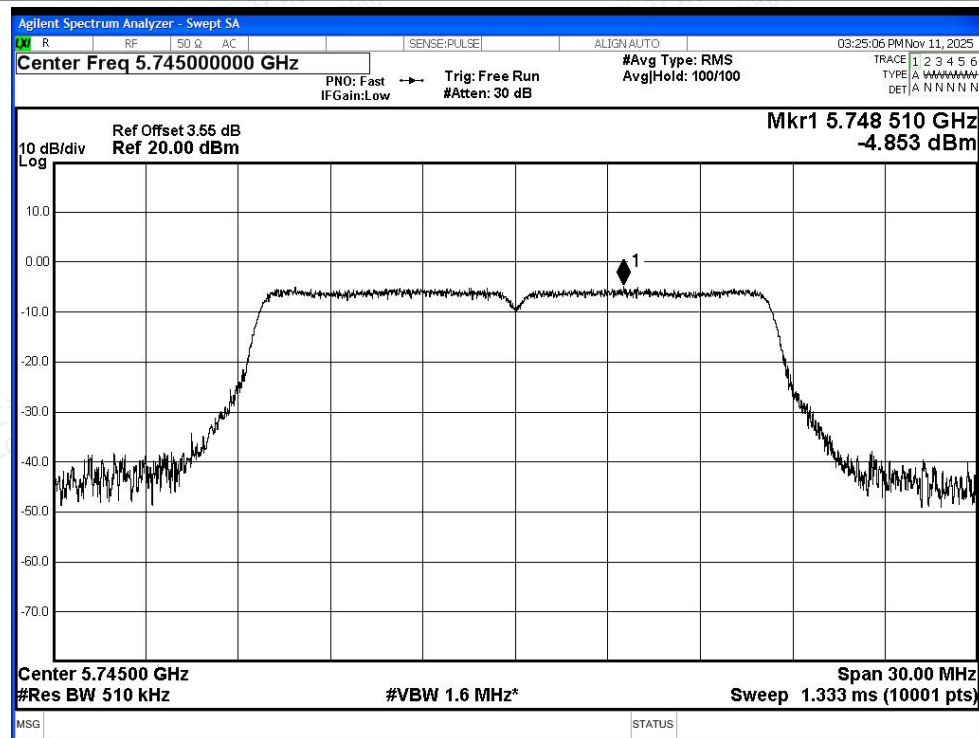
Condition	Mode	Frequency (MHz)	Total PSD (dBm/500KHz)			Limit (dBm/500KHz)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5745	-4.8	-5.08	-1.93	27.41	Pass
NVNT	n20	5785	-5.49	-5.55	-2.51	27.41	Pass
NVNT	n20	5825	-5.46	-5.34	-2.39	27.41	Pass
NVNT	n40	5755	-7.93	-8.14	-5.02	27.41	Pass
NVNT	n40	5795	-9	-8.89	-5.93	27.41	Pass
NVNT	ac20	5745	-4.88	-4.91	-1.88	27.41	Pass
NVNT	ac20	5785	-5.47	-5.64	-2.54	27.41	Pass
NVNT	ac20	5825	-5.44	-5.31	-2.36	27.41	Pass
NVNT	ac40	5755	-7.98	-8.2	-5.08	27.41	Pass
NVNT	ac40	5795	-9.01	-8.91	-5.95	27.41	Pass
NVNT	ac80	5775	-11.46	-11.45	-8.44	27.41	Pass
NVNT	ax20	5745	-4.99	-4.89	-1.93	27.41	Pass
NVNT	ax20	5785	-5.66	-5.65	-2.64	27.41	Pass
NVNT	ax20	5825	-5.11	-5.37	-2.23	27.41	Pass
NVNT	ax40	5755	-7.9	-8.28	-5.08	27.41	Pass
NVNT	ax40	5795	-8.97	-9.04	-5.99	27.41	Pass
NVNT	ax80	5775	-11.65	-11.57	-8.60	27.41	Pass



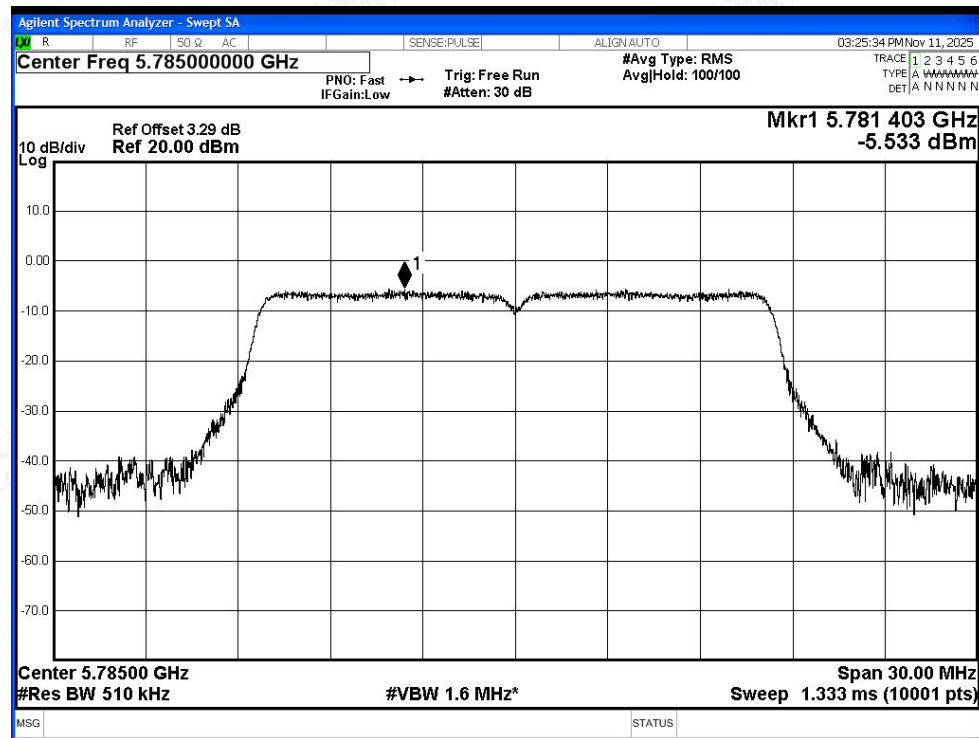


Test Graphs

PSD NVNT a 5745MHz Ant1



PSD NVNT a 5785MHz Ant1

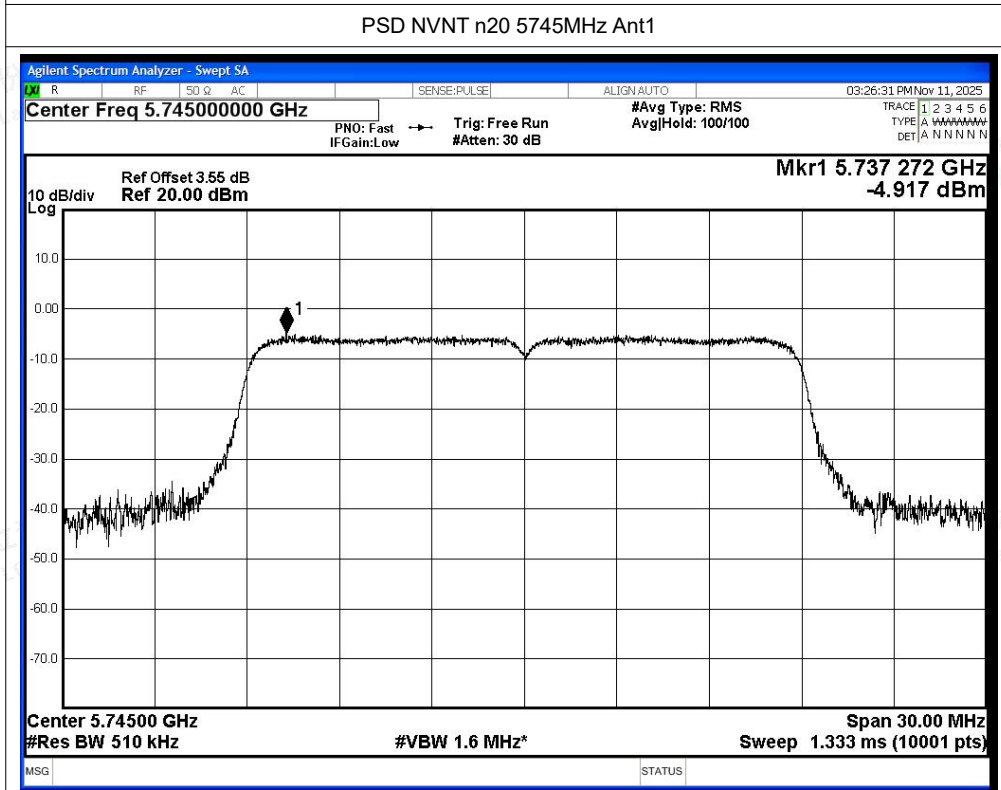
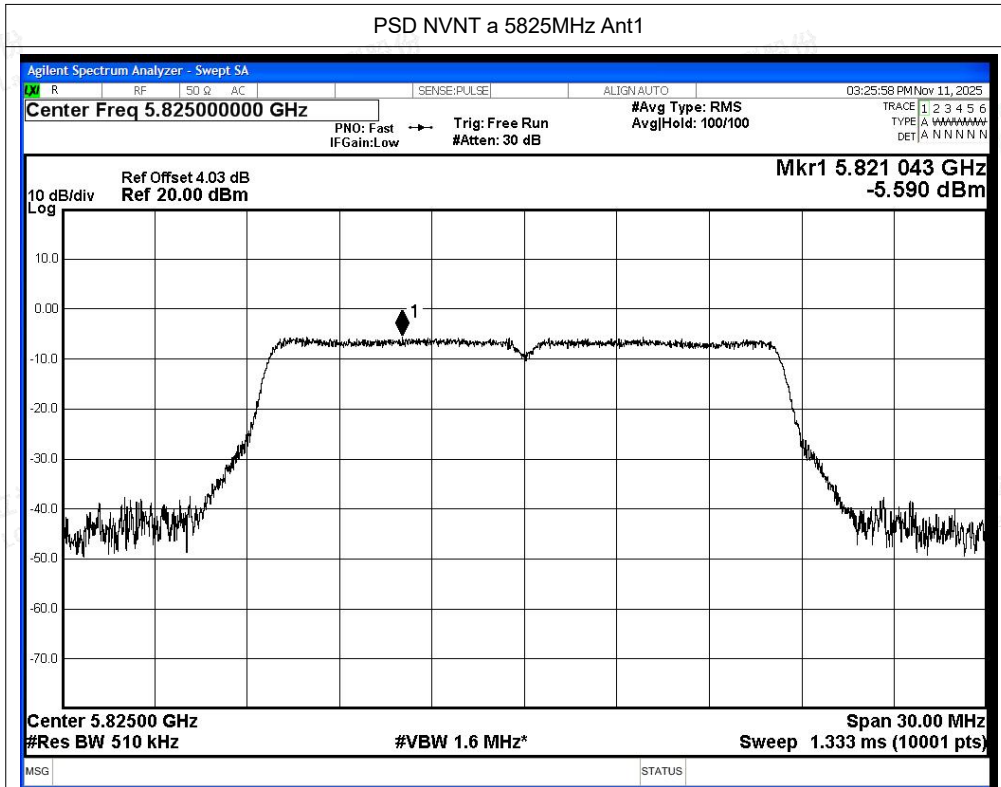


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