



Appendix D

RF Test Data for 5.2GWIFI(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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D.1 -26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	27.21
NVNT	a	5200	Ant1	28.01
NVNT	a	5240	Ant1	29.49
NVNT	n20	5180	Ant1	28.31
NVNT	n20	5200	Ant1	29.87
NVNT	n20	5240	Ant1	28.88
NVNT	n40	5190	Ant1	56.26
NVNT	n40	5230	Ant1	52.33
NVNT	ac20	5180	Ant1	28.69
NVNT	ac20	5200	Ant1	29.48
NVNT	ac20	5240	Ant1	29.28
NVNT	ac40	5190	Ant1	51.12
NVNT	ac40	5230	Ant1	50.5
NVNT	ac80	5210	Ant1	84.96
NVNT	ax20	5180	Ant1	28.61
NVNT	ax20	5200	Ant1	29.38
NVNT	ax20	5240	Ant1	29.54
NVNT	ax40	5190	Ant1	57.74
NVNT	ax40	5230	Ant1	52.25
NVNT	ax80	5210	Ant1	85.7

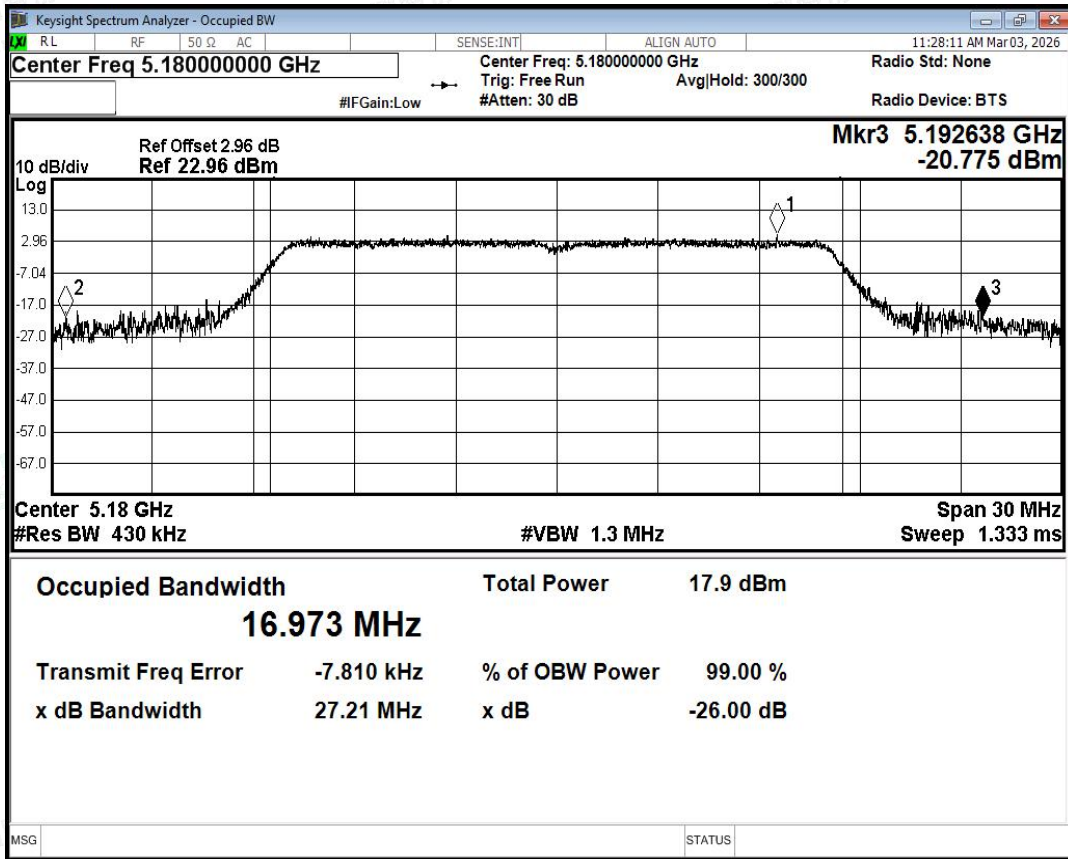


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-26dB Bandwidth NVNT a 5180MHz Ant1

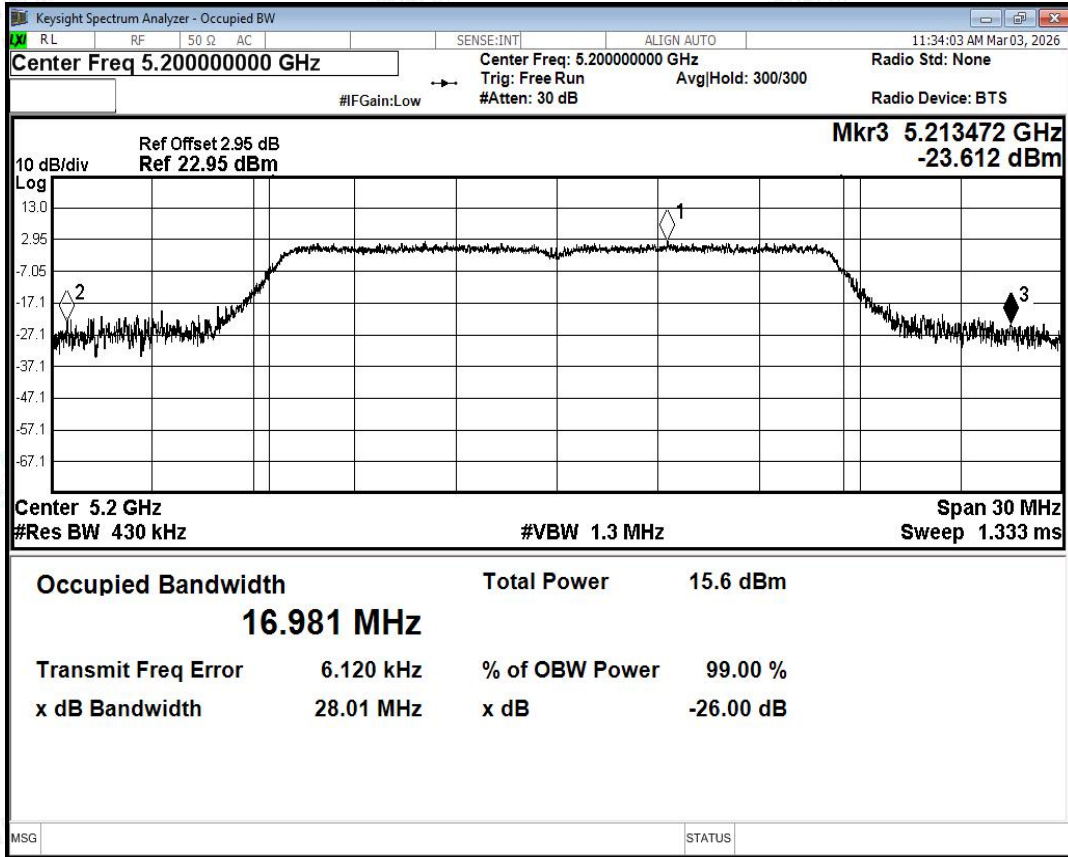


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-26dB Bandwidth NVNT a 5200MHz Ant1

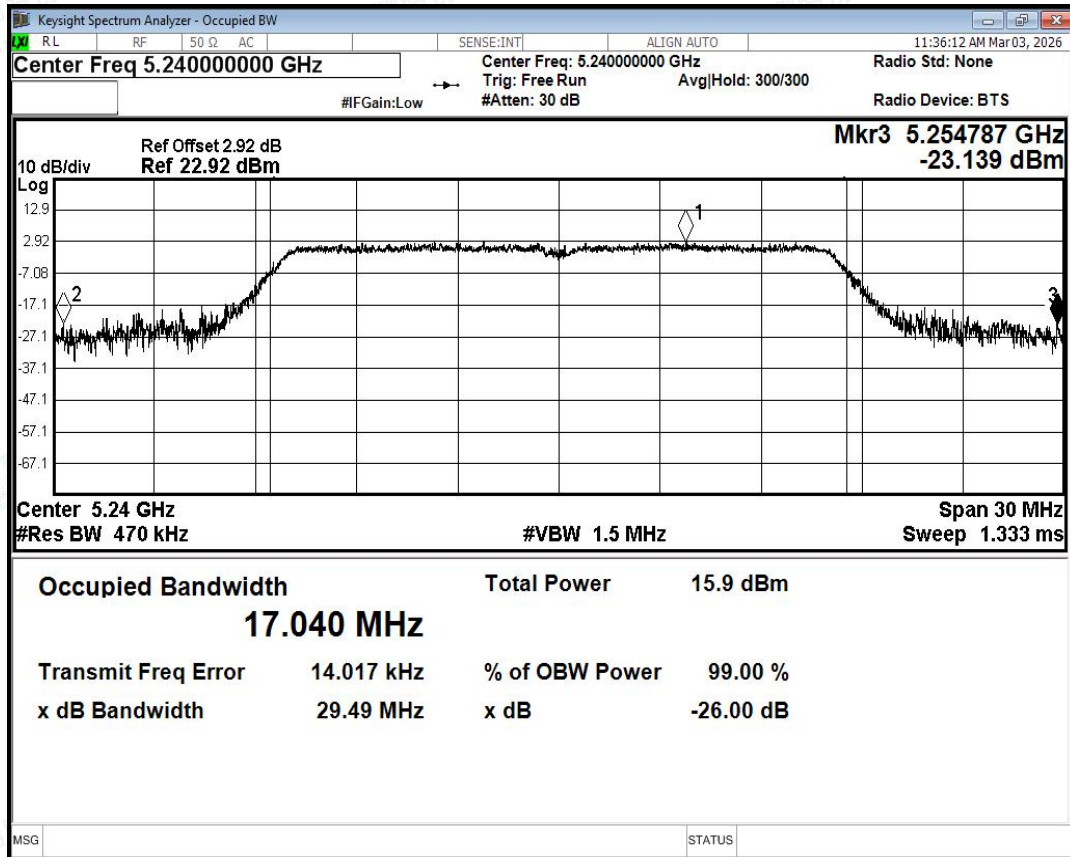


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-26dB Bandwidth NVNT a 5240MHz Ant1

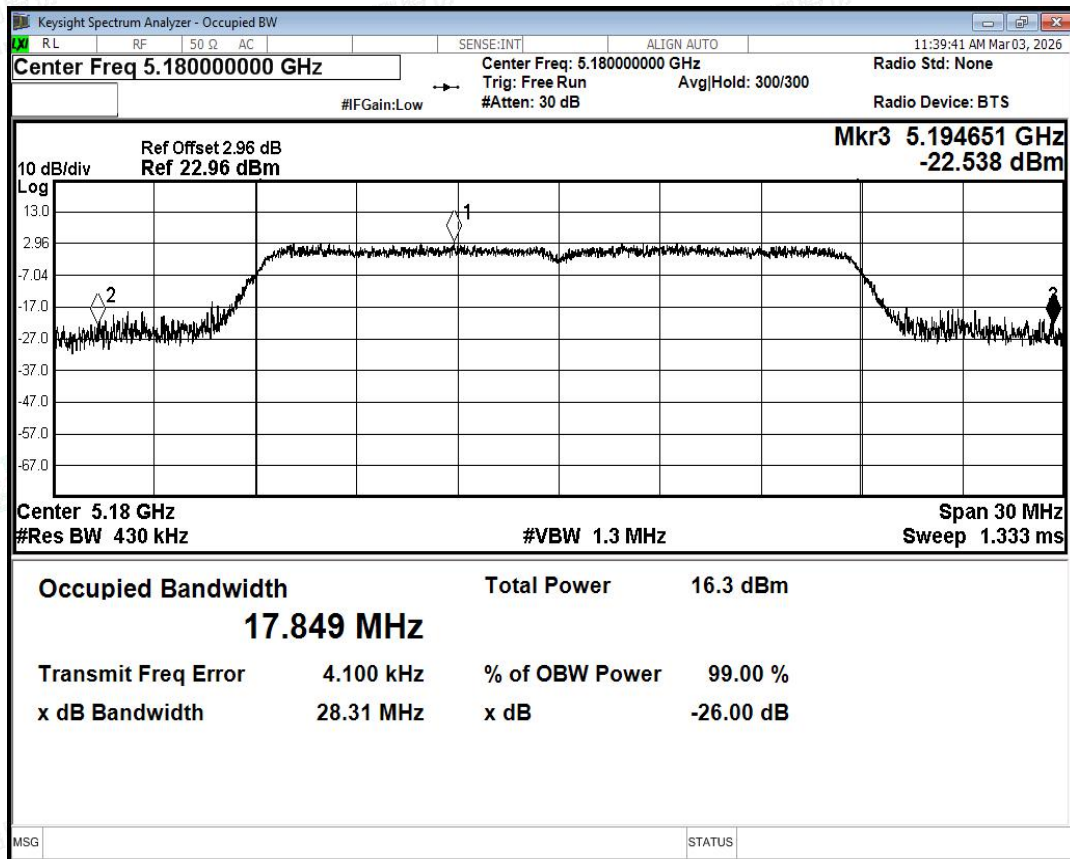


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-26dB Bandwidth NVNT n20 5180MHz Ant1

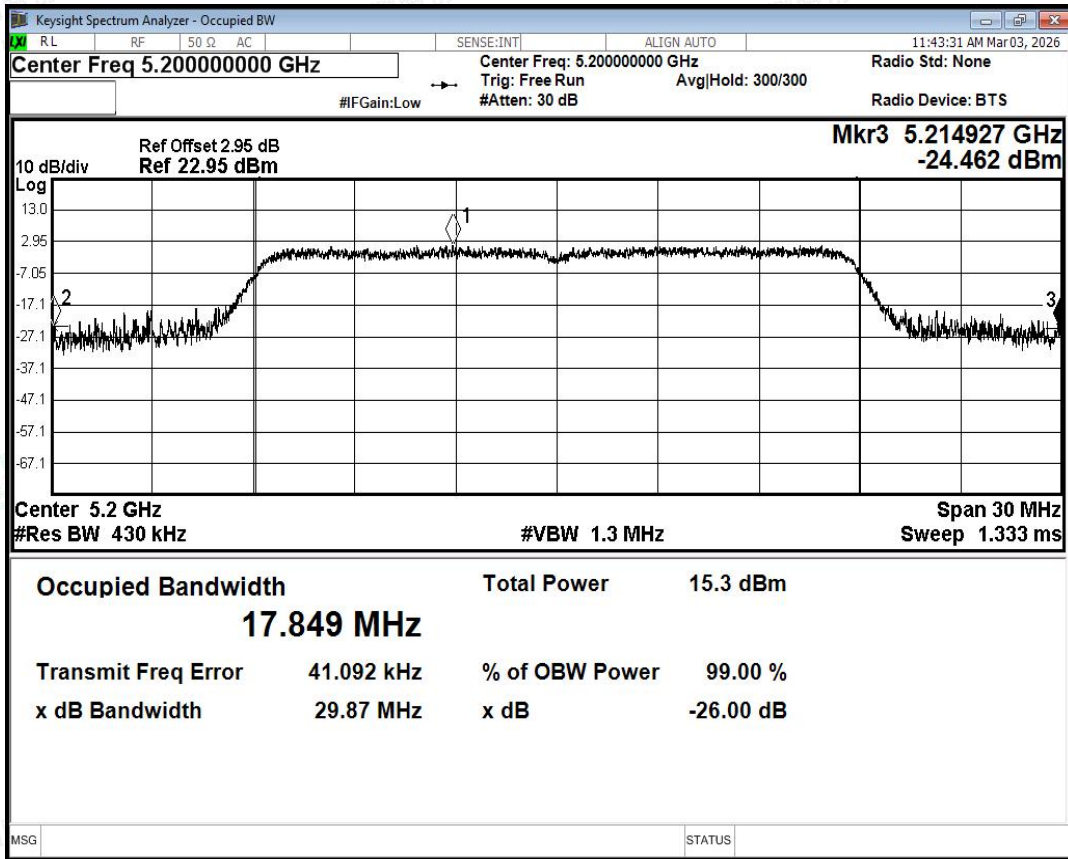


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-26dB Bandwidth NVNT n20 5200MHz Ant1

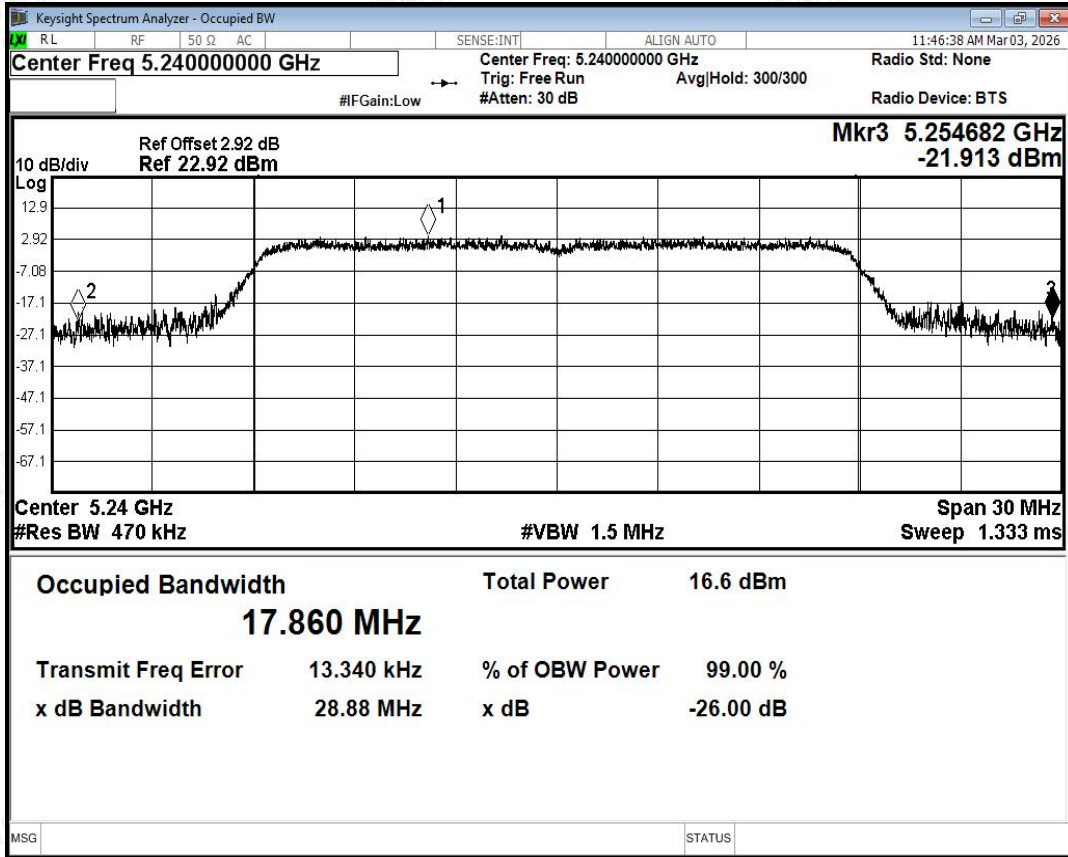


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-26dB Bandwidth NVNT n20 5240MHz Ant1

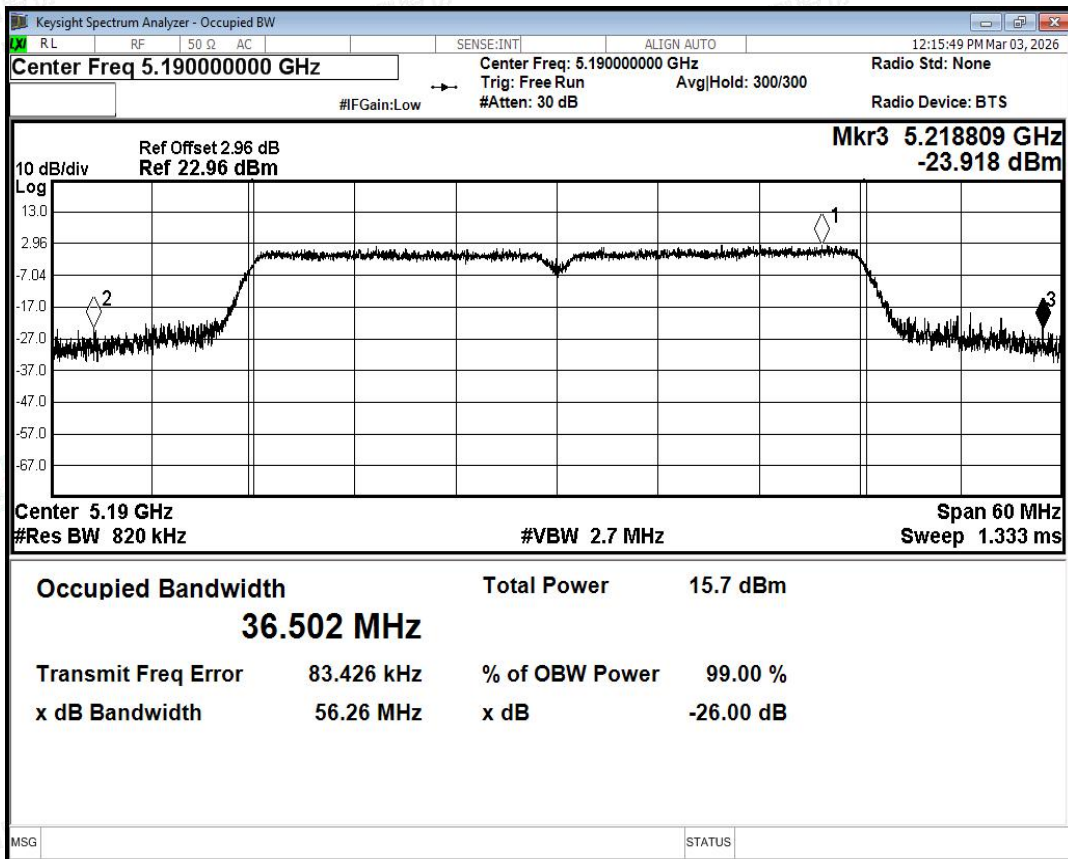


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-26dB Bandwidth NVNT n40 5190MHz Ant1

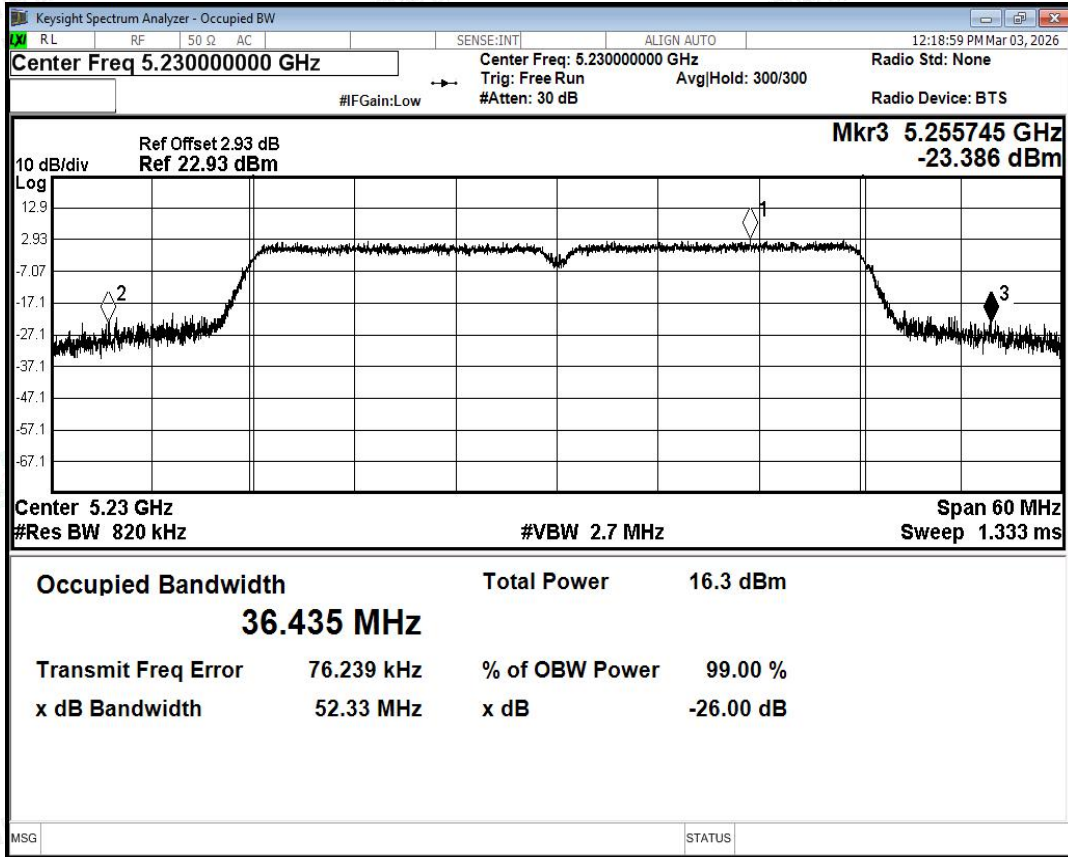


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-26dB Bandwidth NVNT n40 5230MHz Ant1

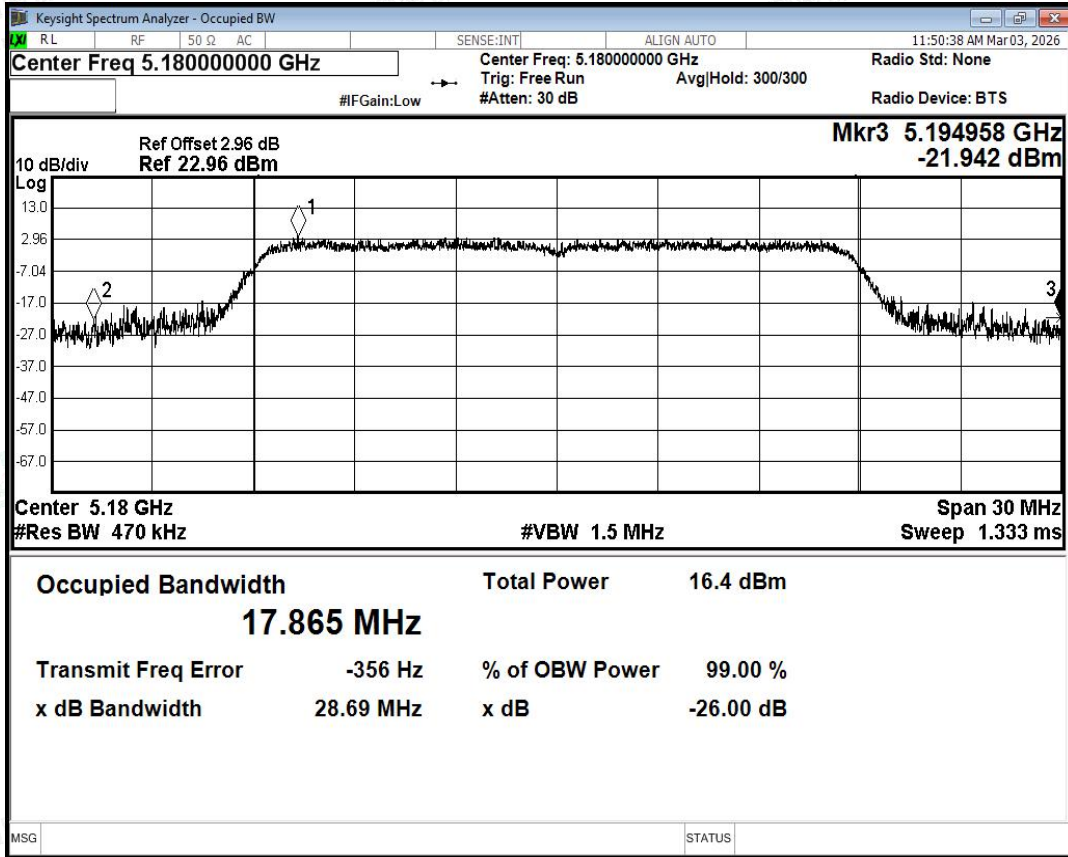


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-26dB Bandwidth NVNT ac20 5180MHz Ant1

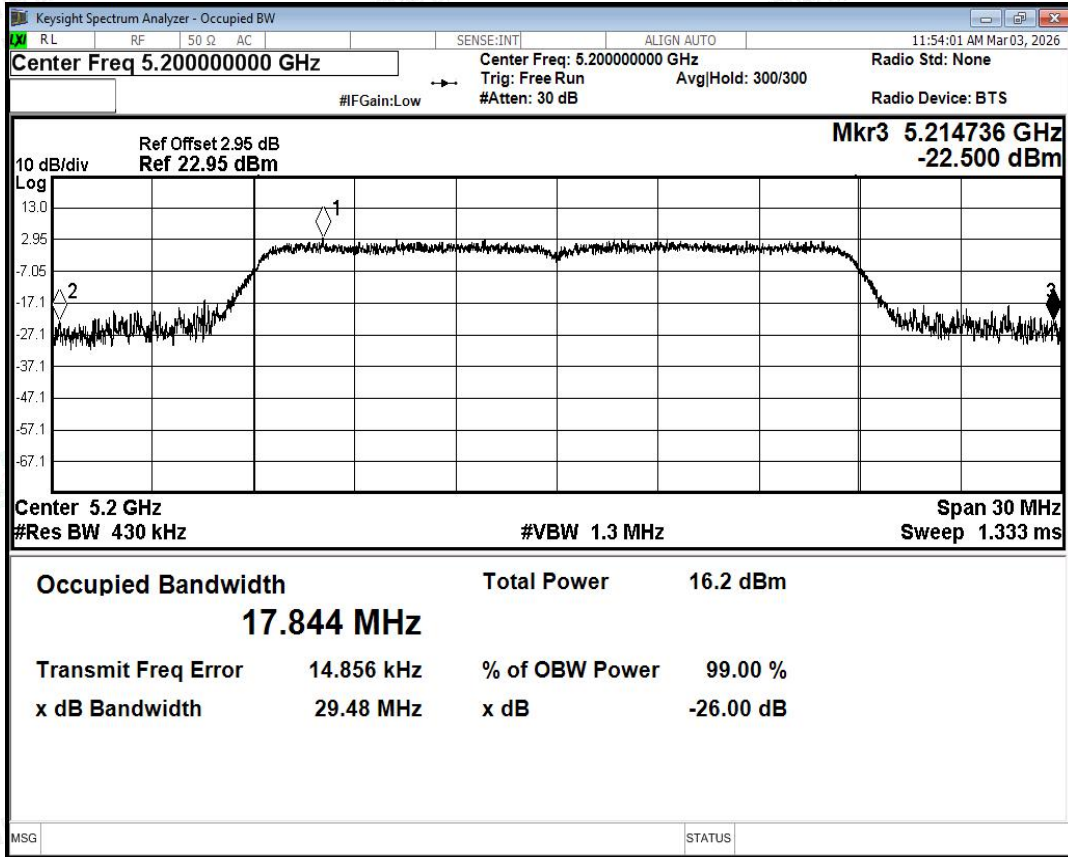


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-26dB Bandwidth NVNT ac20 5200MHz Ant1

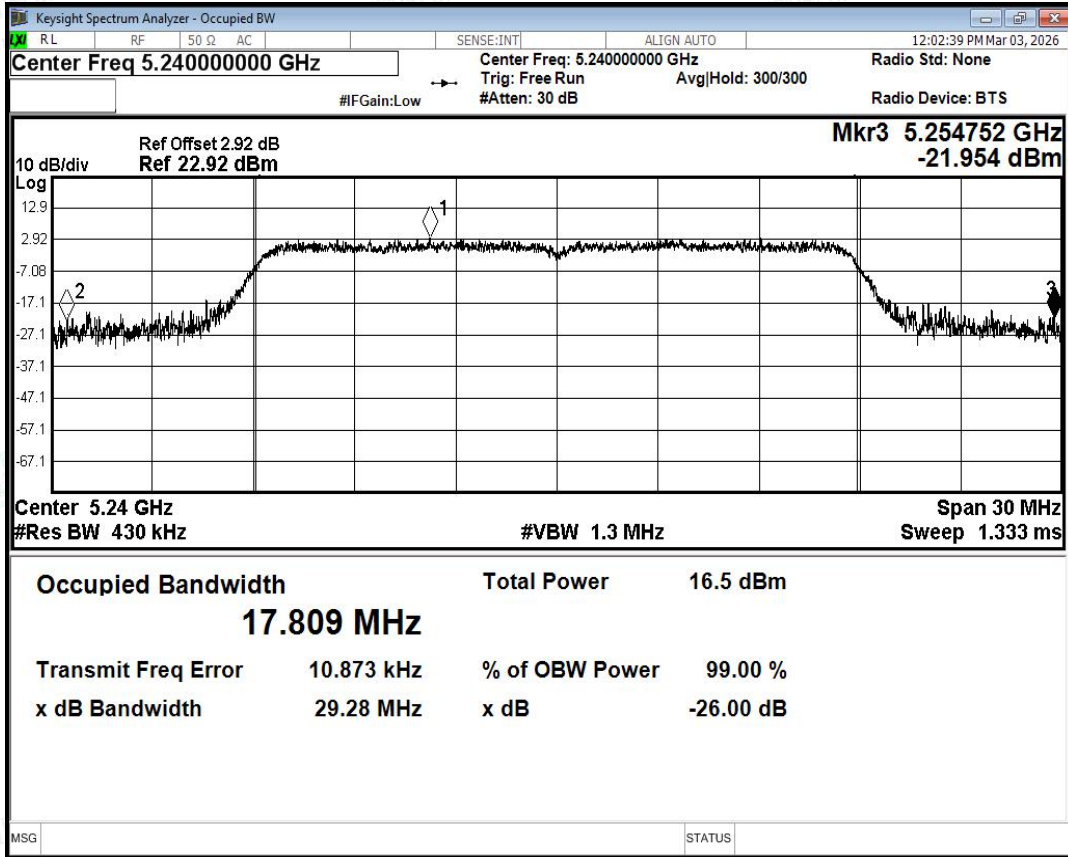


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-26dB Bandwidth NVNT ac20 5240MHz Ant1

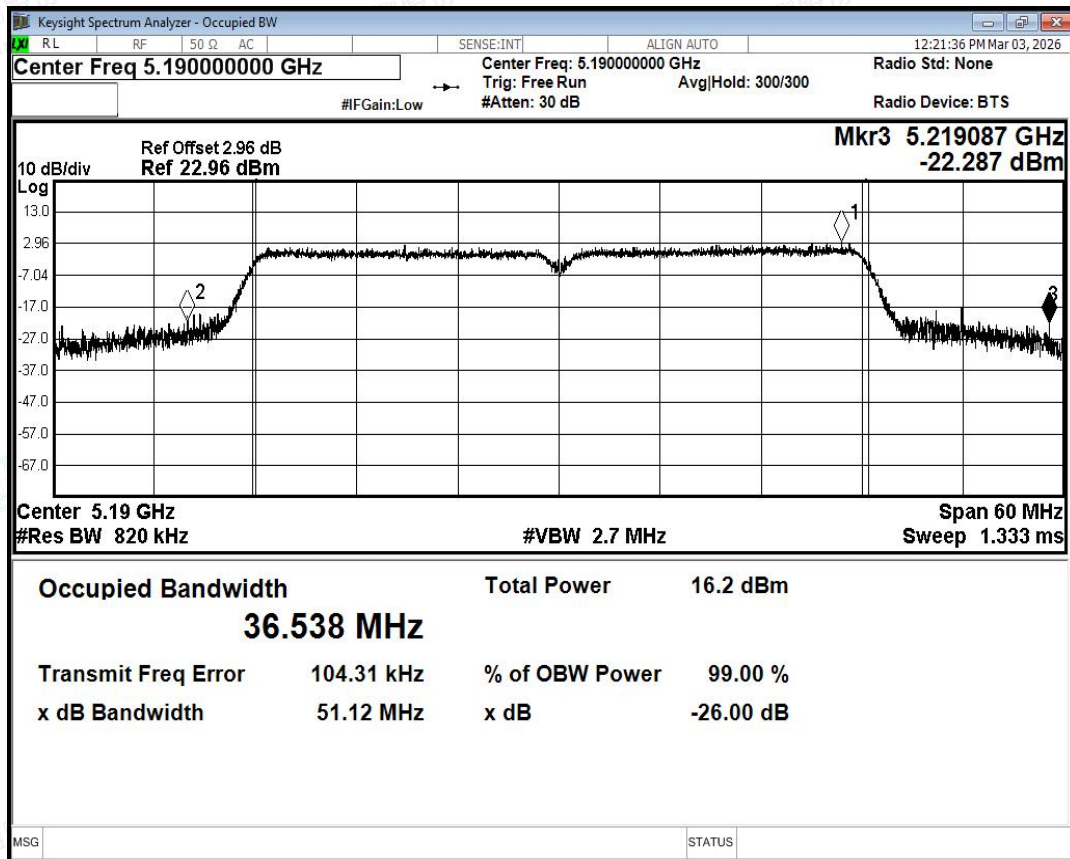


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-26dB Bandwidth NVNT ac40 5190MHz Ant1

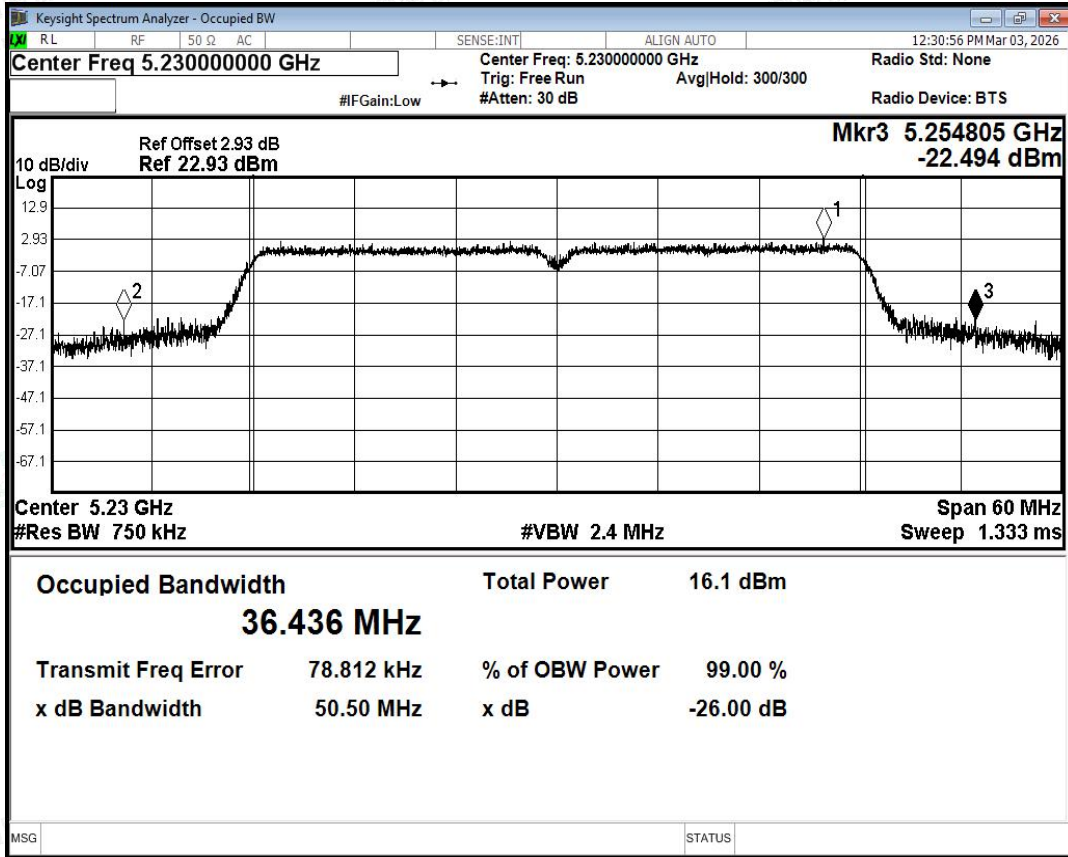


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-26dB Bandwidth NVNT ac40 5230MHz Ant1

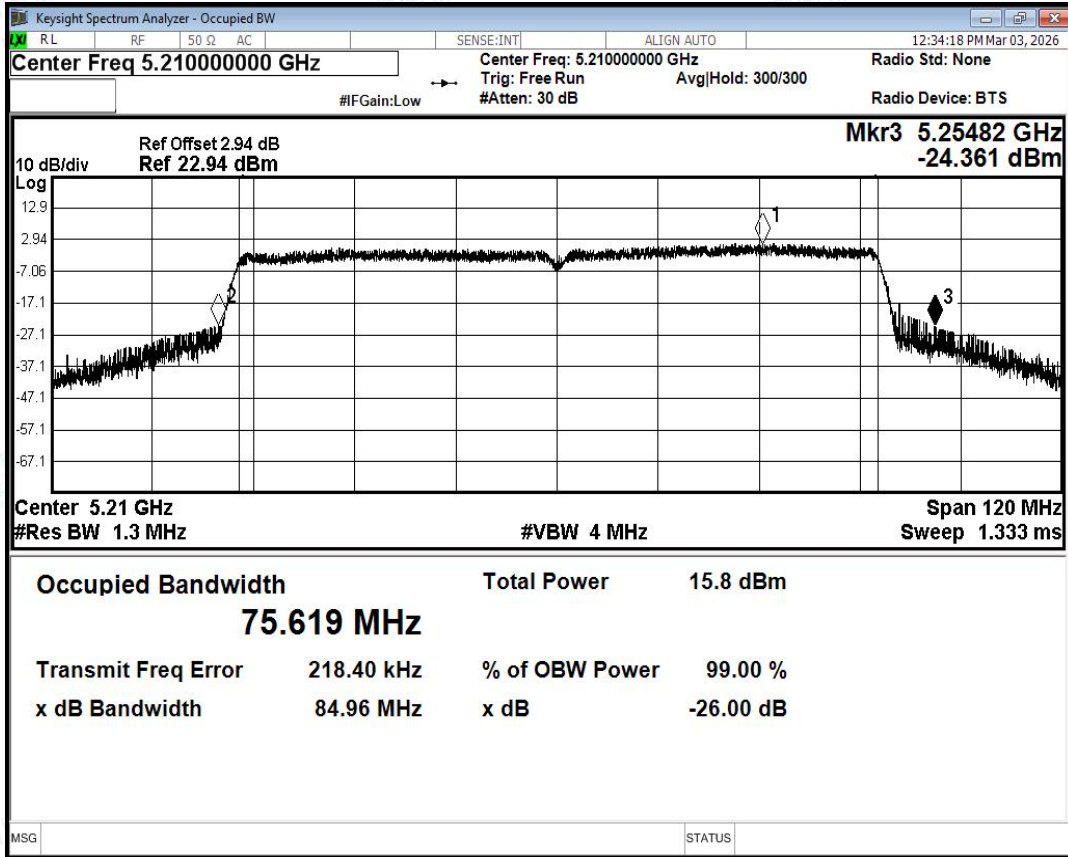


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-26dB Bandwidth NVNT ac80 5210MHz Ant1

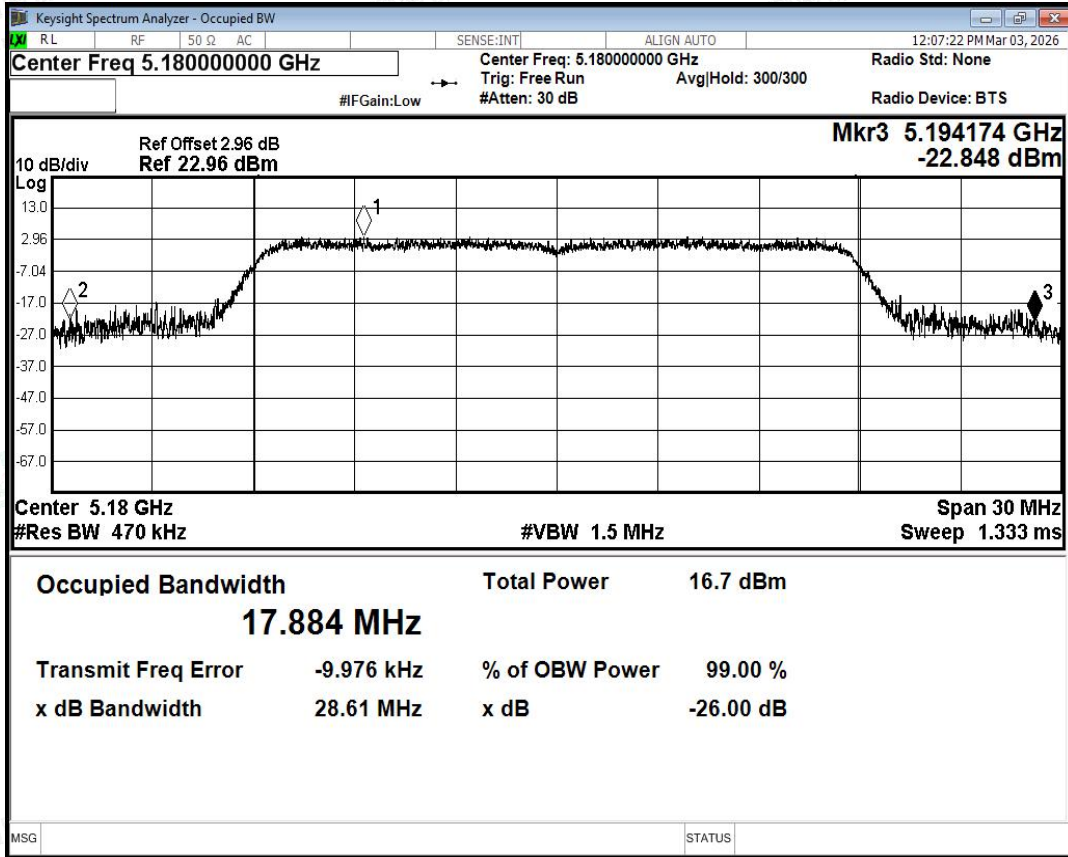


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-26dB Bandwidth NVNT ax20 5180MHz Ant1

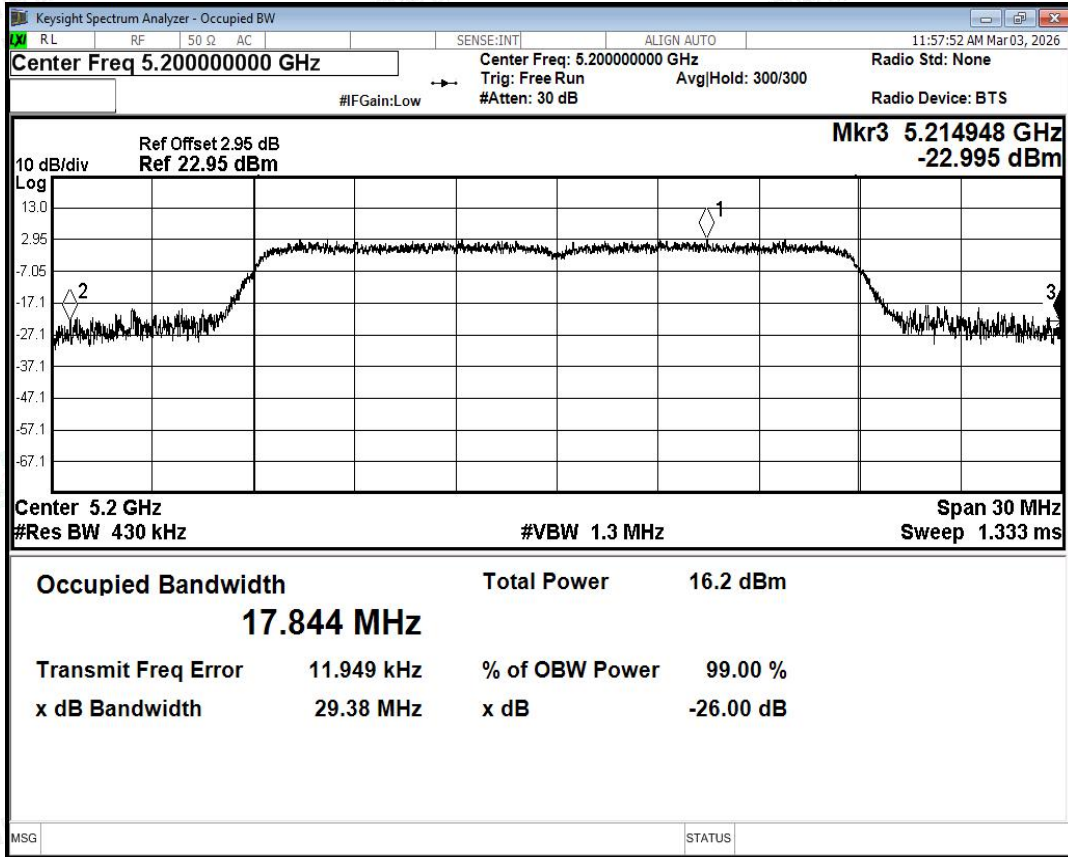


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-26dB Bandwidth NVNT ax20 5200MHz Ant1

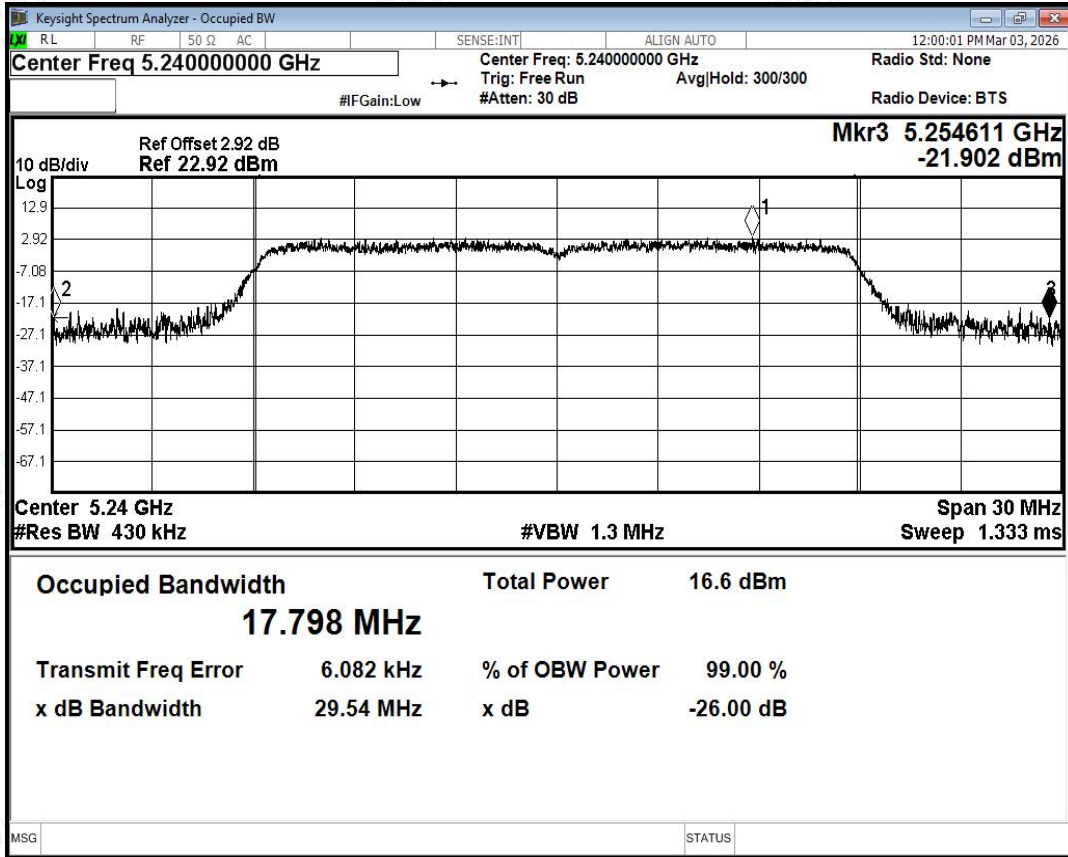


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-26dB Bandwidth NVNT ax20 5240MHz Ant1

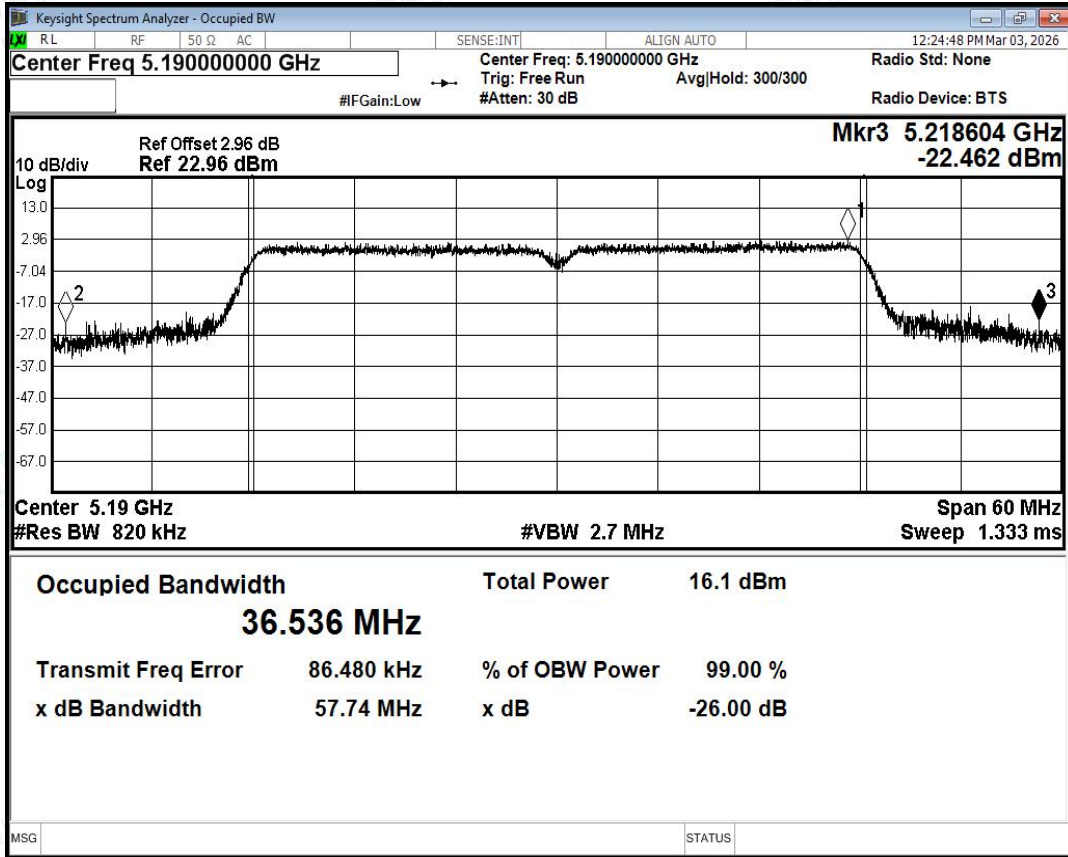


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-26dB Bandwidth NVNT ax40 5190MHz Ant1

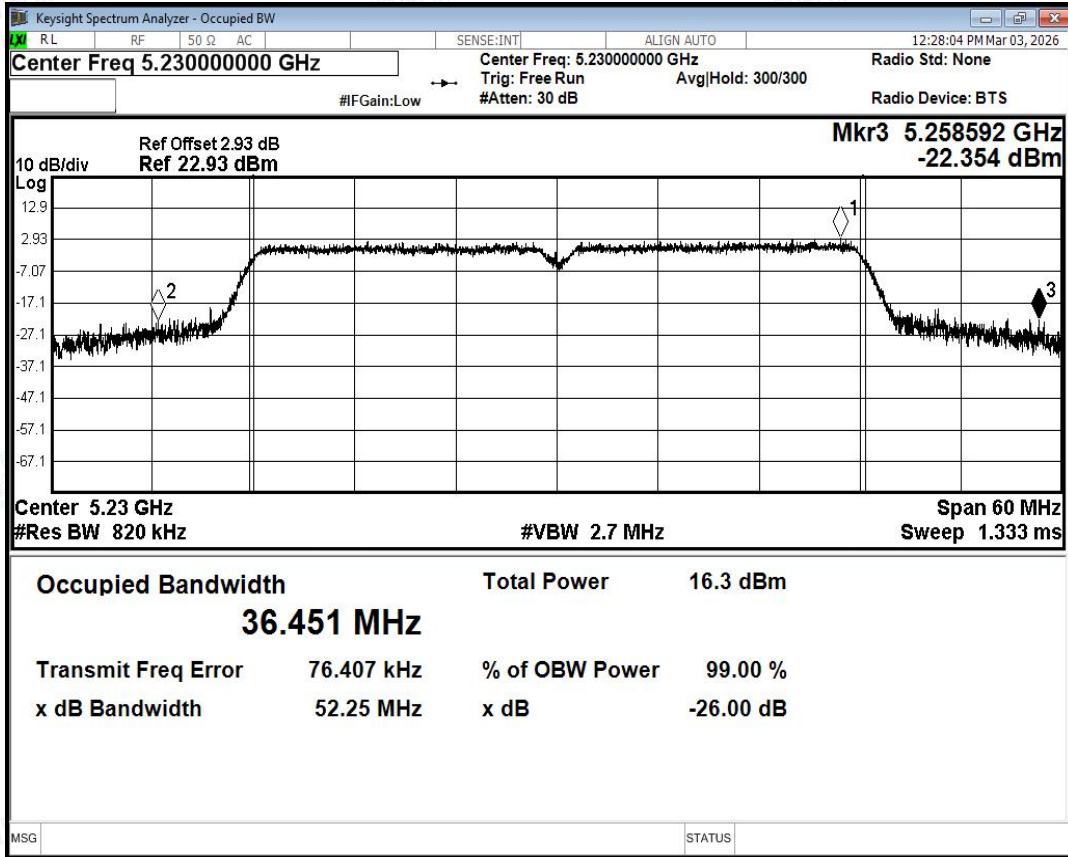


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-26dB Bandwidth NVNT ax40 5230MHz Ant1

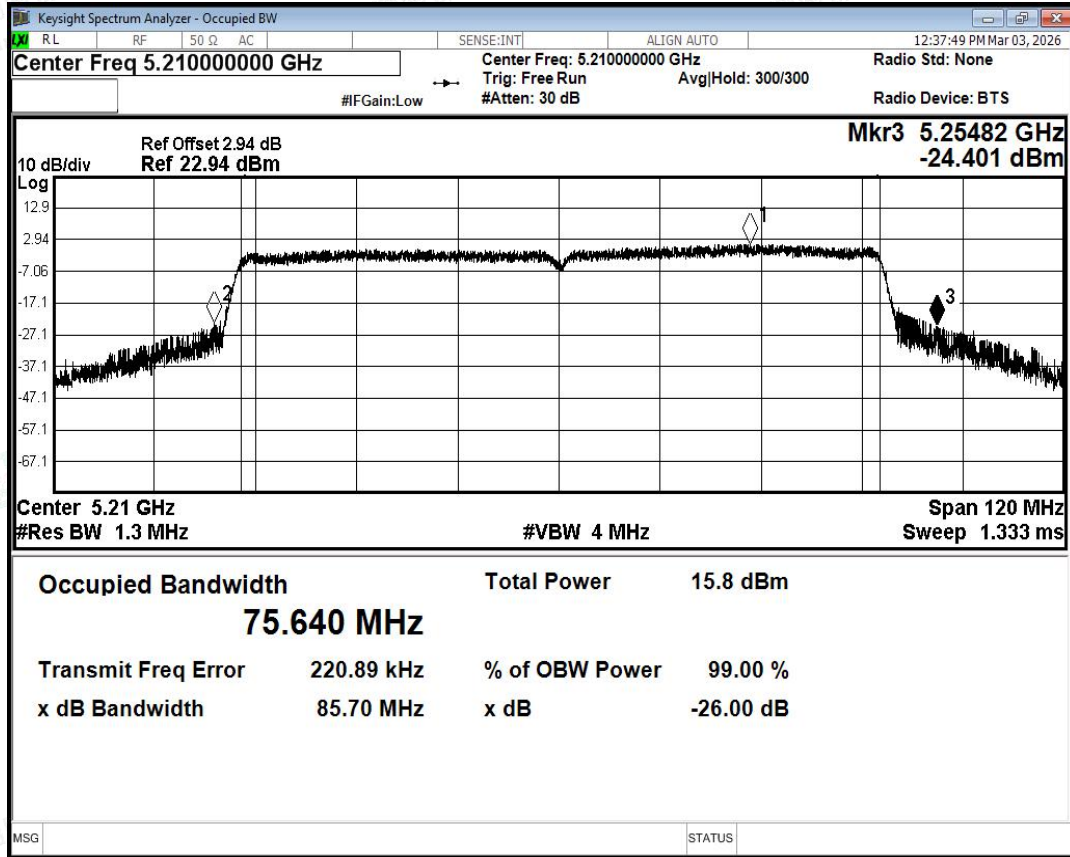


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-26dB Bandwidth NVNT ax80 5210MHz Ant1



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D.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	5180	Ant1	12.79	0.11	12.90	24	Pass
NVNT	ax20	5200	Ant1	12.09	0.11	12.20	24	Pass
NVNT	ax20	5240	Ant1	12.31	0.11	12.42	24	Pass
NVNT	ax40	5190	Ant1	11.36	0.23	11.59	24	Pass
NVNT	ax40	5230	Ant1	11.25	0.23	11.48	24	Pass
NVNT	ax80	5210	Ant1	10.98	0.47	11.45	24	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	5180	Ant1	12.68	0.11	12.79	24	Pass
NVNT	ax20	5200	Ant1	12.36	0.11	12.47	24	Pass
NVNT	ax20	5240	Ant1	12.13	0.11	12.24	24	Pass
NVNT	ax40	5190	Ant1	11.33	0.23	11.56	24	Pass
NVNT	ax40	5230	Ant1	10.99	0.23	11.22	24	Pass
NVNT	ax80	5210	Ant1	10.69	0.47	11.16	24	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	5180	Ant1	12.45	0.11	12.90	24	Pass
NVNT	ax20	5200	Ant1	12.19	0.11	12.20	24	Pass
NVNT	ax20	5240	Ant1	12.03	0.11	12.42	24	Pass
NVNT	ax40	5190	Ant1	11.16	0.23	11.59	24	Pass
NVNT	ax40	5230	Ant1	11.21	0.23	11.48	24	Pass
NVNT	ax80	5210	Ant1	10.85	0.47	11.45	24	Pass



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242-tone RU

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	ax20	5180	Ant1	12.61	0.11	12.72	24	Pass
NVNT	ax20	5200	Ant1	11.98	0.11	12.09	24	Pass
NVNT	ax20	5240	Ant1	12.03	0.11	12.14	24	Pass
NVNT	ax40	5190	Ant1	11.30	0.23	11.53	24	Pass
NVNT	ax40	5230	Ant1	11.15	0.23	11.38	24	Pass
NVNT	ax80	5210	Ant1	10.74	0.47	11.21	24	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	5190	Ant1	10.99	0.23	11.22	24	Pass
NVNT	ax40	5230	Ant1	11.25	0.23	11.48	24	Pass
NVNT	ax80	5210	Ant1	10.84	0.47	11.31	24	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	5210	Ant1	10.68	0.47	11.15	24	Pass



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Full RU

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	a	5180	Ant1	12.21	0.1	12.31	24	Pass
NVNT	a	5200	Ant1	12.05	0.11	12.16	24	Pass
NVNT	a	5240	Ant1	12.3	0.1	12.4	24	Pass
NVNT	n20	5180	Ant1	12.49	0.11	12.6	24	Pass
NVNT	n20	5200	Ant1	12.38	0.11	12.49	24	Pass
NVNT	n20	5240	Ant1	12.73	0.11	12.84	24	Pass
NVNT	n40	5190	Ant1	11.29	0.23	11.52	24	Pass
NVNT	n40	5230	Ant1	11.83	0.23	12.06	24	Pass
NVNT	ac20	5180	Ant1	12.51	0.11	12.62	24	Pass
NVNT	ac20	5200	Ant1	12.36	0.11	12.47	24	Pass
NVNT	ac20	5240	Ant1	12.73	0.13	12.86	24	Pass
NVNT	ac40	5190	Ant1	11.71	0.23	11.94	24	Pass
NVNT	ac40	5230	Ant1	11.73	0.23	11.96	24	Pass
NVNT	ac80	5210	Ant1	10.92	0.46	11.38	24	Pass
NVNT	ax20	5180	Ant1	12.71	0.11	12.82	24	Pass
NVNT	ax20	5200	Ant1	12.35	0.11	12.46	24	Pass
NVNT	ax20	5240	Ant1	12.73	0.11	12.84	24	Pass
NVNT	ax40	5190	Ant1	11.69	0.23	11.92	24	Pass
NVNT	ax40	5230	Ant1	11.73	0.23	11.96	24	Pass
NVNT	ax80	5210	Ant1	10.8	0.47	11.27	24	Pass



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D.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Conducted PSD (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	0.37	0.1	0.47	11	Pass
NVNT	a	5200	Ant1	-1.97	0.11	-1.86	11	Pass
NVNT	a	5240	Ant1	-1.5	0.1	-1.4	11	Pass
NVNT	n20	5180	Ant1	-1.81	0.11	-1.7	11	Pass
NVNT	n20	5200	Ant1	-2.55	0.11	-2.44	11	Pass
NVNT	n20	5240	Ant1	-1.49	0.11	-1.38	11	Pass
NVNT	n40	5190	Ant1	-5.39	0.23	-5.16	11	Pass
NVNT	n40	5230	Ant1	-5.11	0.23	-4.88	11	Pass
NVNT	ac20	5180	Ant1	-1.74	0.11	-1.63	11	Pass
NVNT	ac20	5200	Ant1	-1.86	0.11	-1.75	11	Pass
NVNT	ac20	5240	Ant1	-1.54	0.13	-1.4	11	Pass
NVNT	ac40	5190	Ant1	-5.19	0.23	-4.96	11	Pass
NVNT	ac40	5230	Ant1	-5.41	0.23	-5.18	11	Pass
NVNT	ac80	5210	Ant1	-8.8	0.46	-8.34	11	Pass
NVNT	ax20	5180	Ant1	-1.56	0.11	-1.45	11	Pass
NVNT	ax20	5200	Ant1	-1.88	0.11	-1.77	11	Pass
NVNT	ax20	5240	Ant1	-1.55	0.11	-1.44	11	Pass
NVNT	ax40	5190	Ant1	-5.21	0.23	-4.98	11	Pass
NVNT	ax40	5230	Ant1	-5.38	0.23	-5.15	11	Pass
NVNT	ax80	5210	Ant1	-8.78	0.47	-8.31	11	Pass

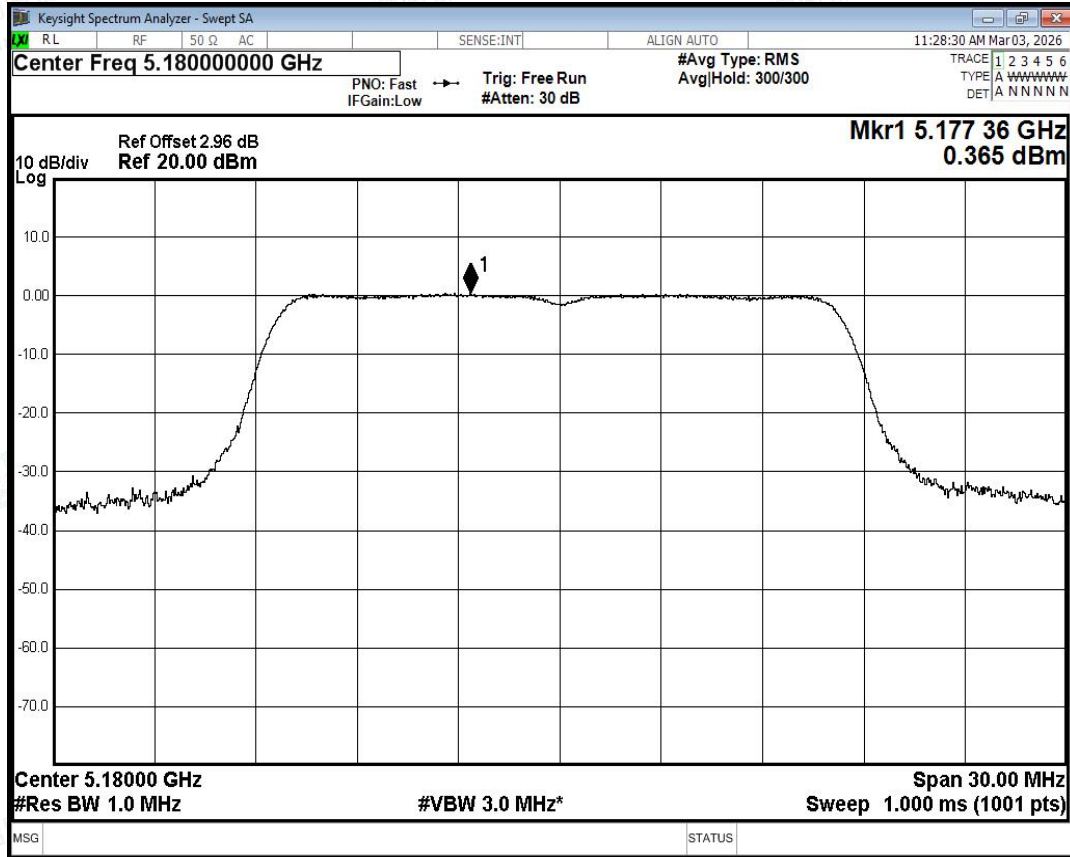


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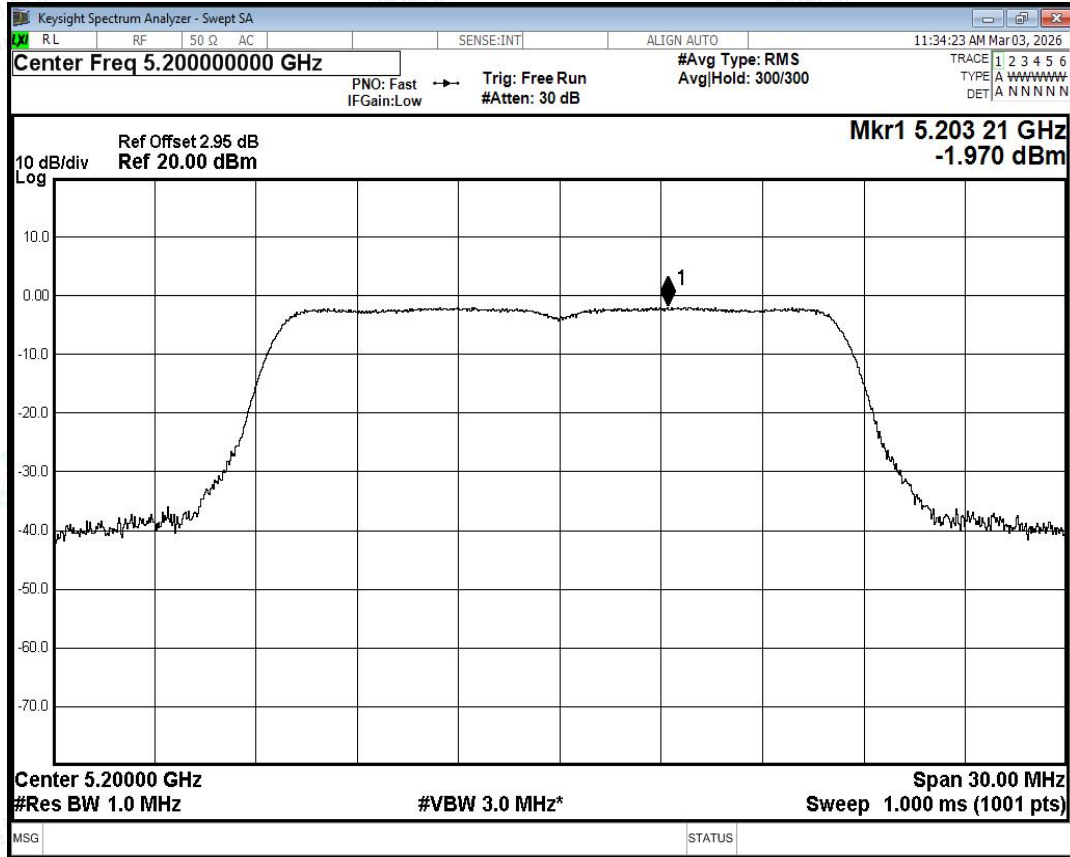


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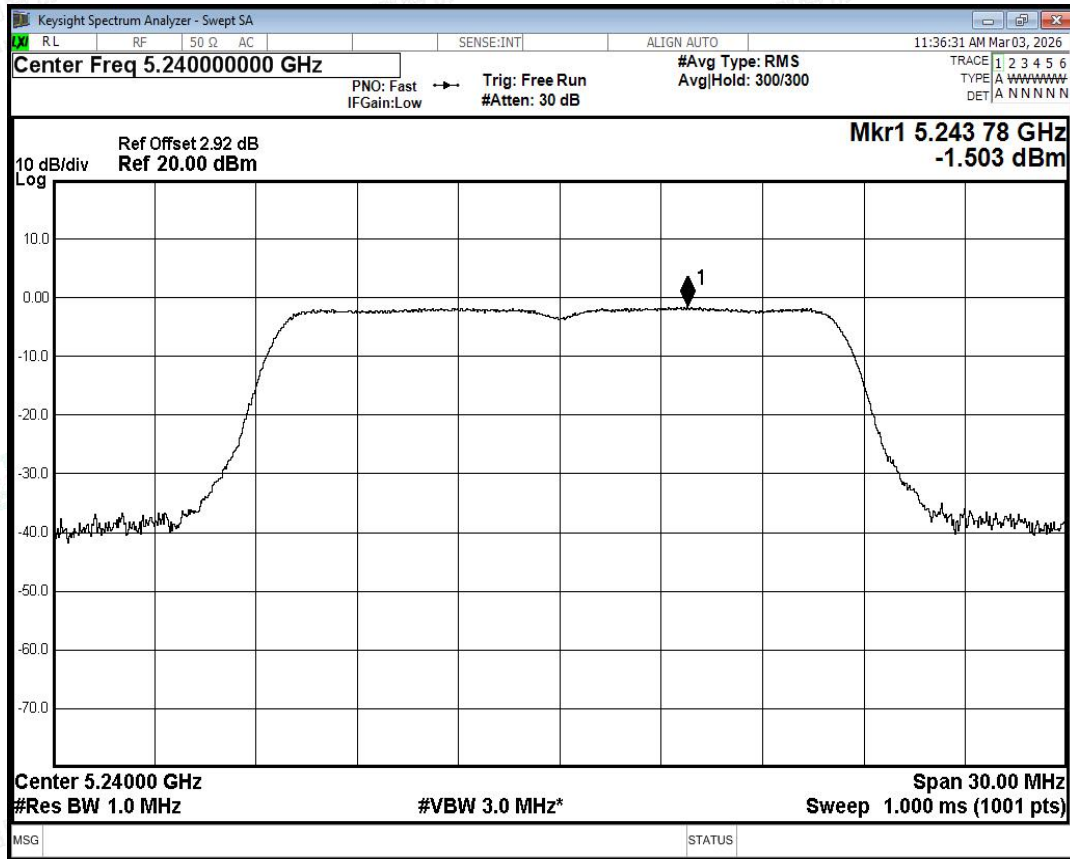


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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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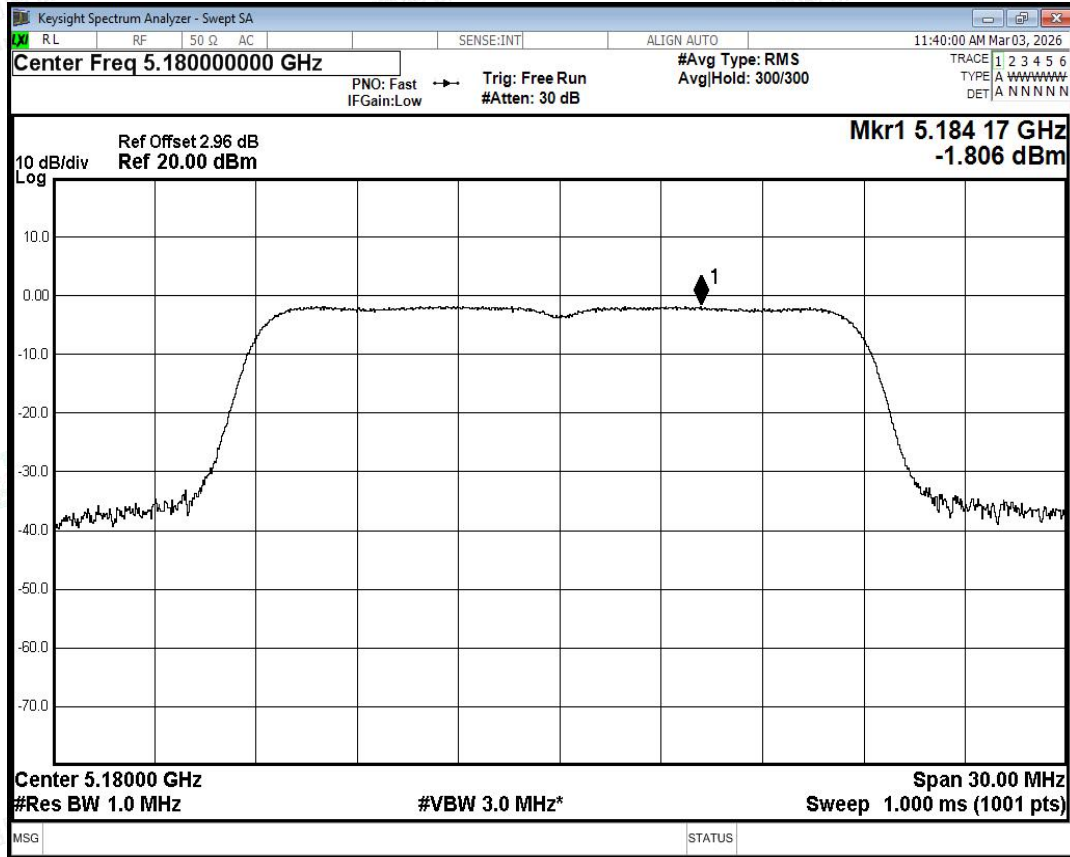


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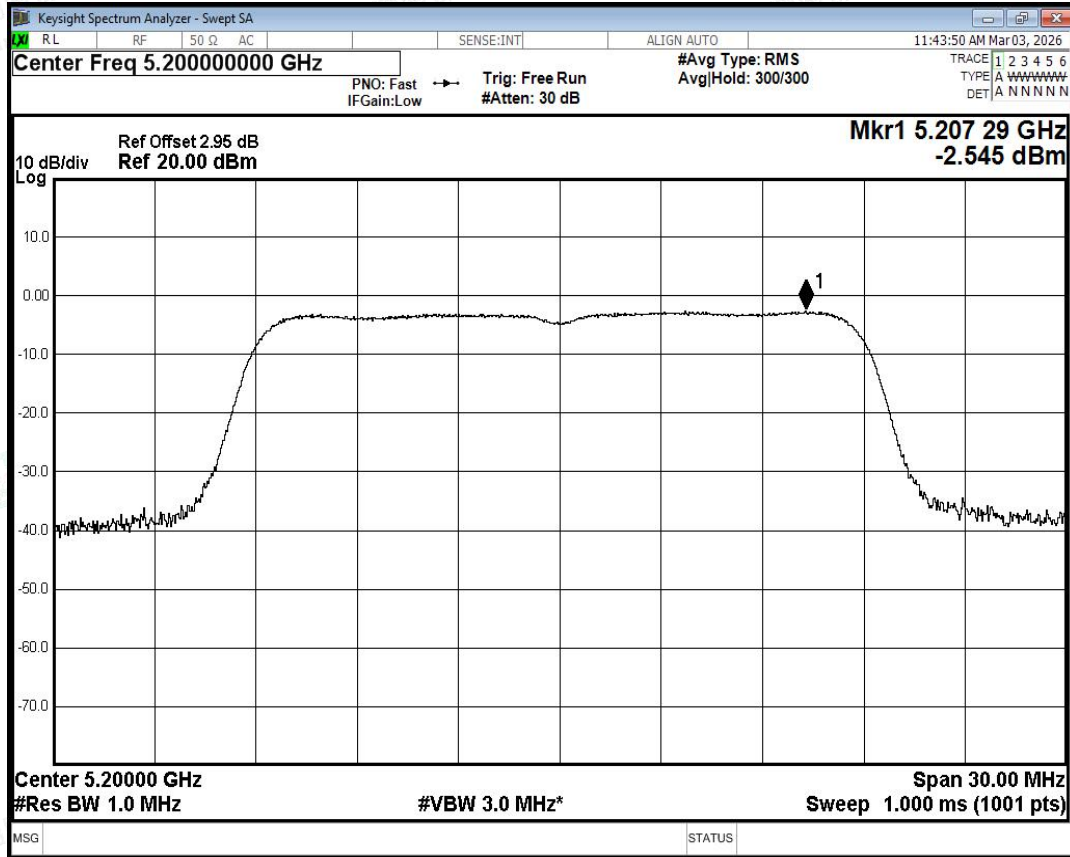


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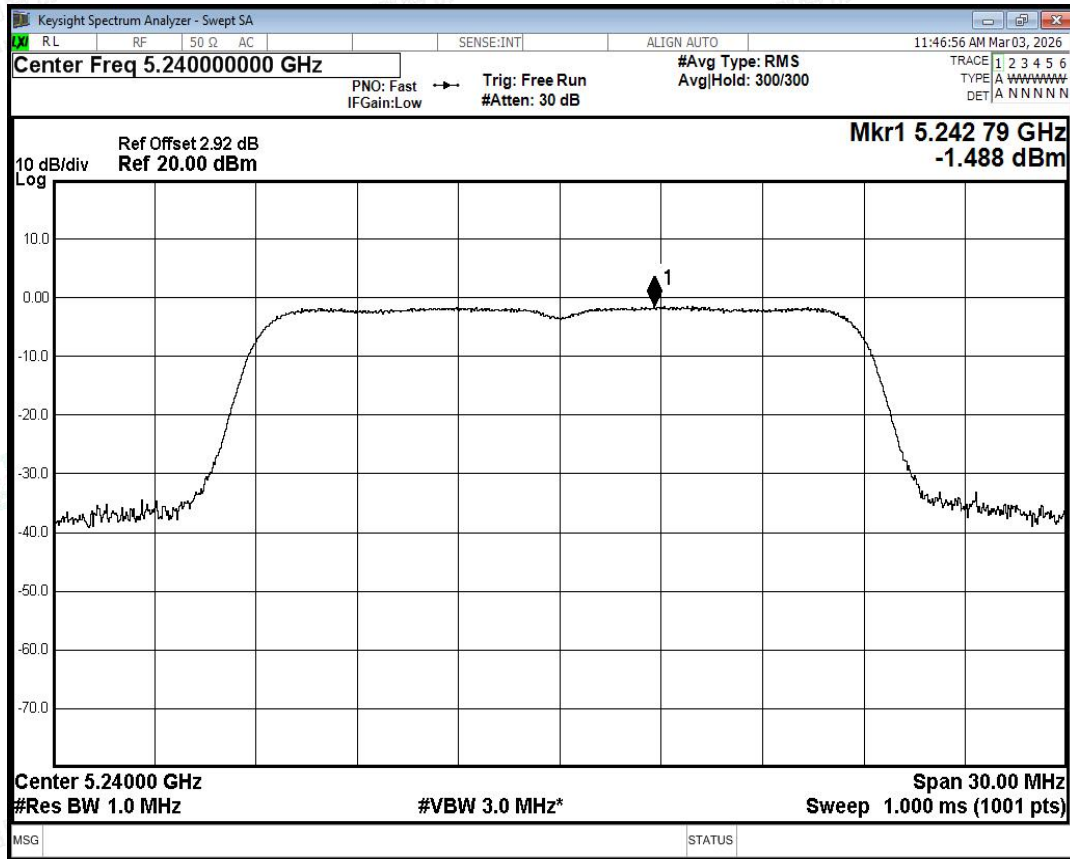


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