



Appendix C

RF Test Data for 2.4GWIFI(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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C.1 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.092	0.5	Pass
NVNT	b	2437	Ant1	9.099	0.5	Pass
NVNT	b	2462	Ant1	9.111	0.5	Pass
NVNT	g	2412	Ant1	16.2	0.5	Pass
NVNT	g	2437	Ant1	16.39	0.5	Pass
NVNT	g	2462	Ant1	16.37	0.5	Pass
NVNT	n20	2412	Ant1	17.3	0.5	Pass
NVNT	n20	2437	Ant1	17.5	0.5	Pass
NVNT	n20	2462	Ant1	17.37	0.5	Pass
NVNT	n40	2422	Ant1	35.93	0.5	Pass
NVNT	n40	2437	Ant1	35.97	0.5	Pass
NVNT	n40	2452	Ant1	35.59	0.5	Pass
NVNT	ax20	2412	Ant1	17.28	0.5	Pass
NVNT	ax20	2437	Ant1	17.51	0.5	Pass
NVNT	ax20	2462	Ant1	17.42	0.5	Pass
NVNT	ax40	2422	Ant1	36.08	0.5	Pass
NVNT	ax40	2437	Ant1	36.12	0.5	Pass
NVNT	ax40	2452	Ant1	35.71	0.5	Pass





-6dB Bandwidth NVNT b 2412MHz Ant1

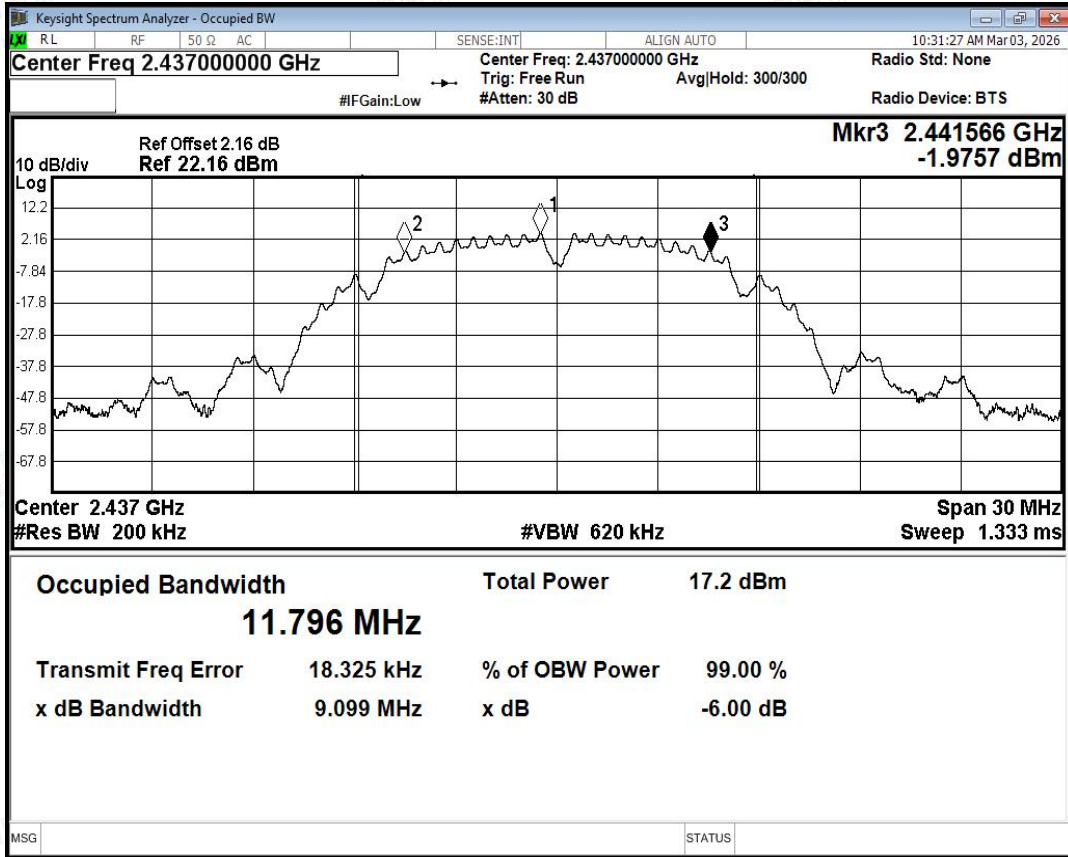


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-6dB Bandwidth NVNT b 2437MHz Ant1

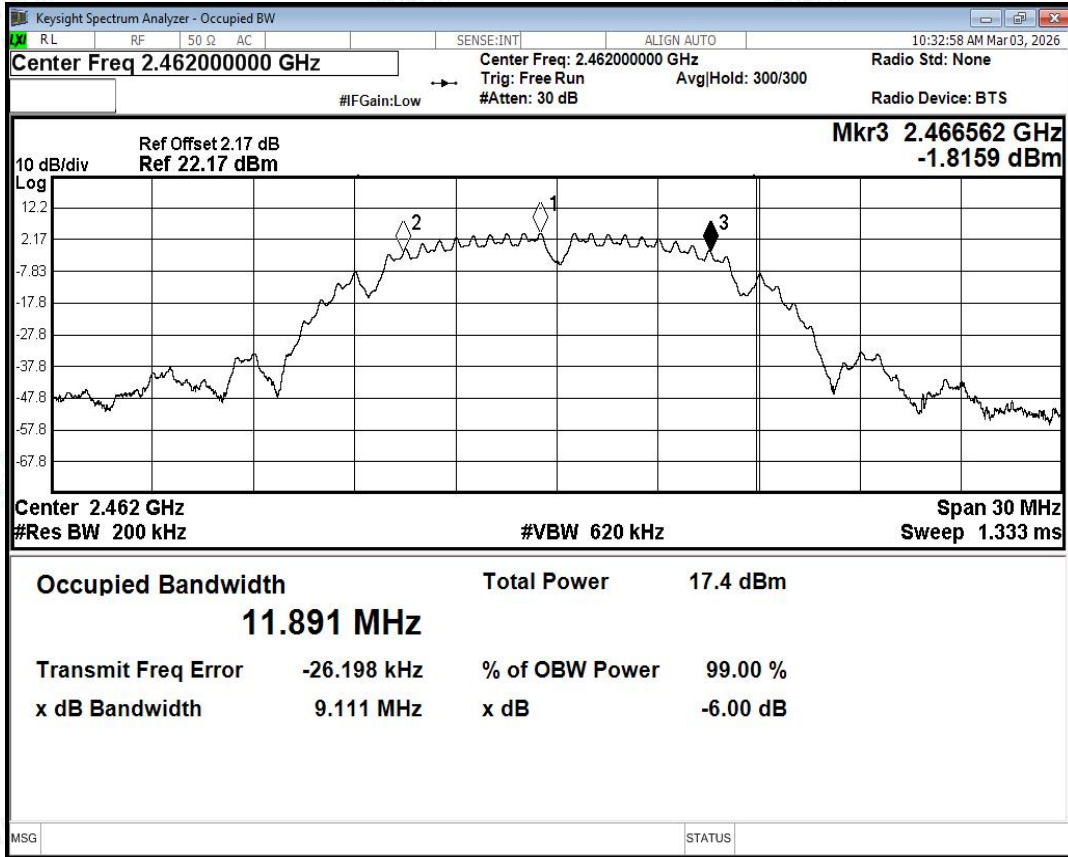


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-6dB Bandwidth NVNT b 2462MHz Ant1

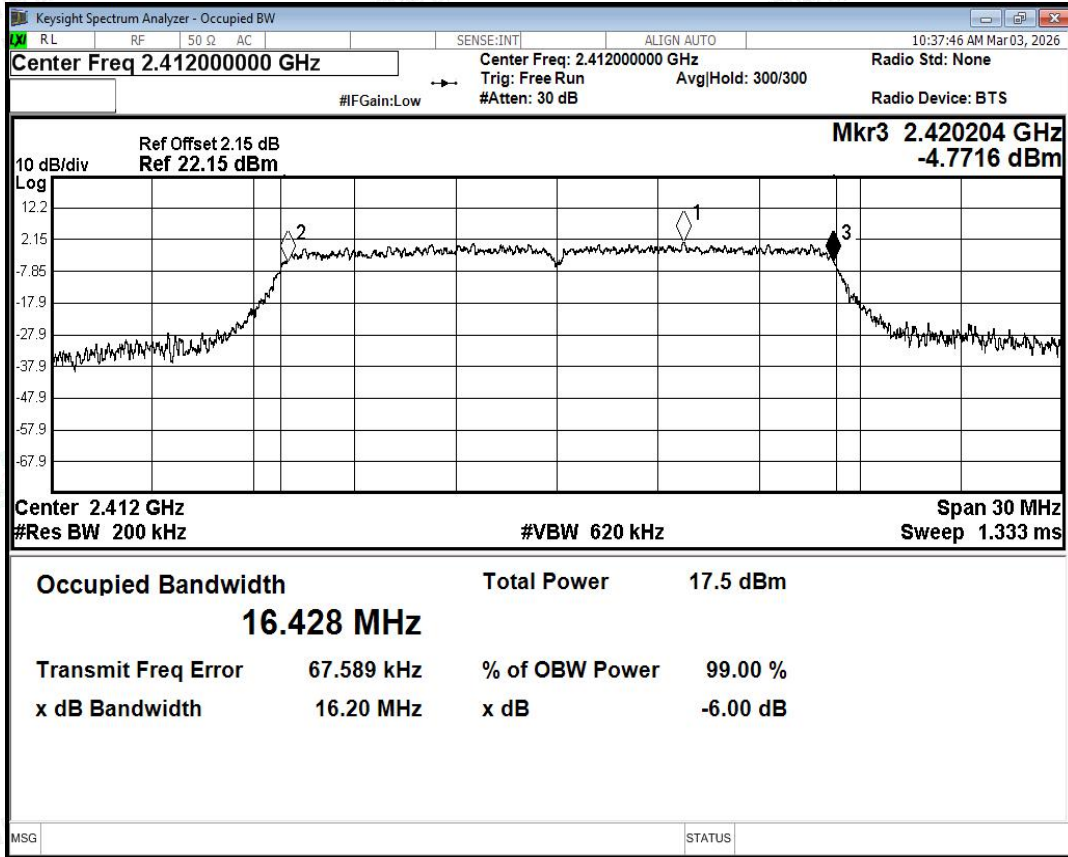


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-6dB Bandwidth NVNT g 2412MHz Ant1

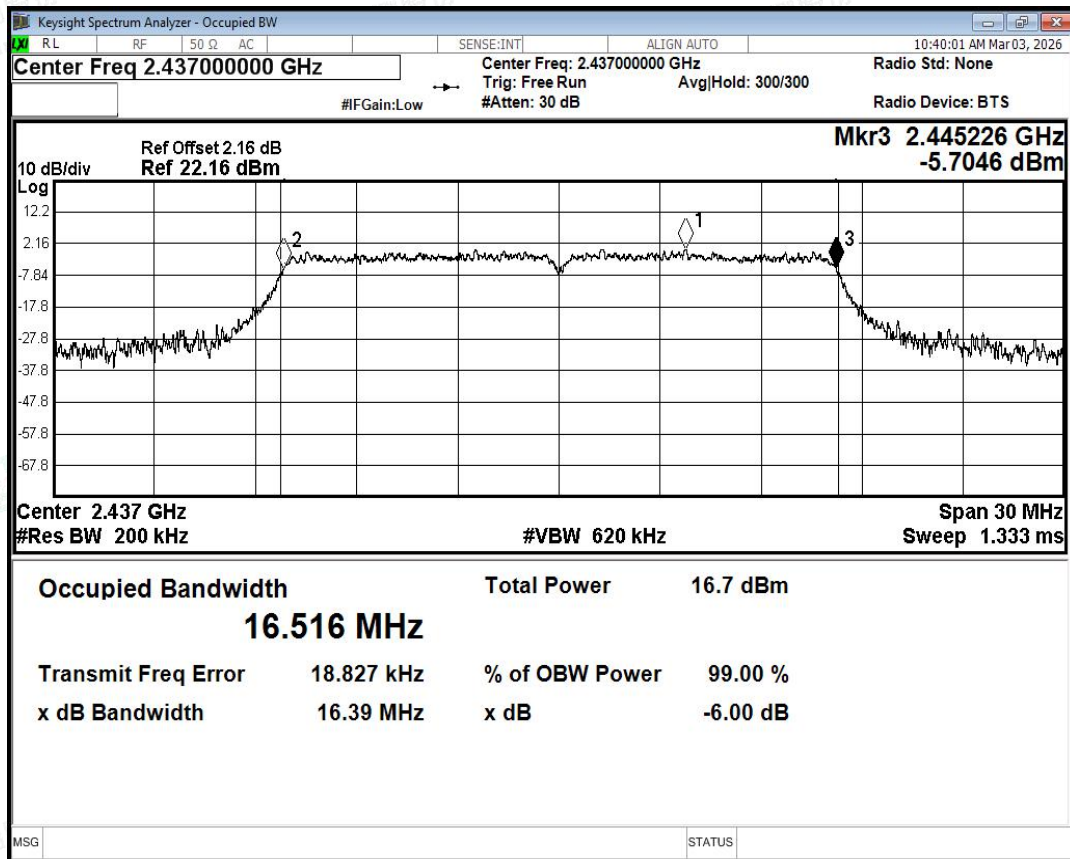


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-6dB Bandwidth NVNT g 2437MHz Ant1

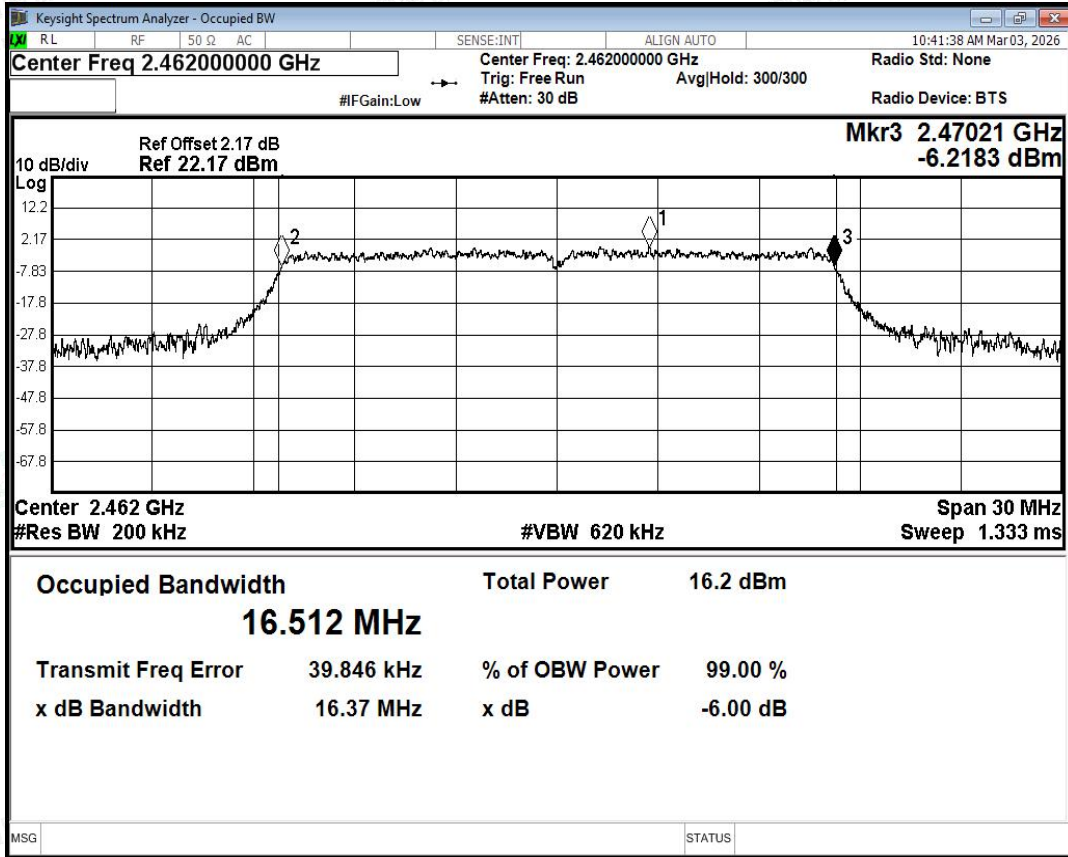


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-6dB Bandwidth NVNT g 2462MHz Ant1

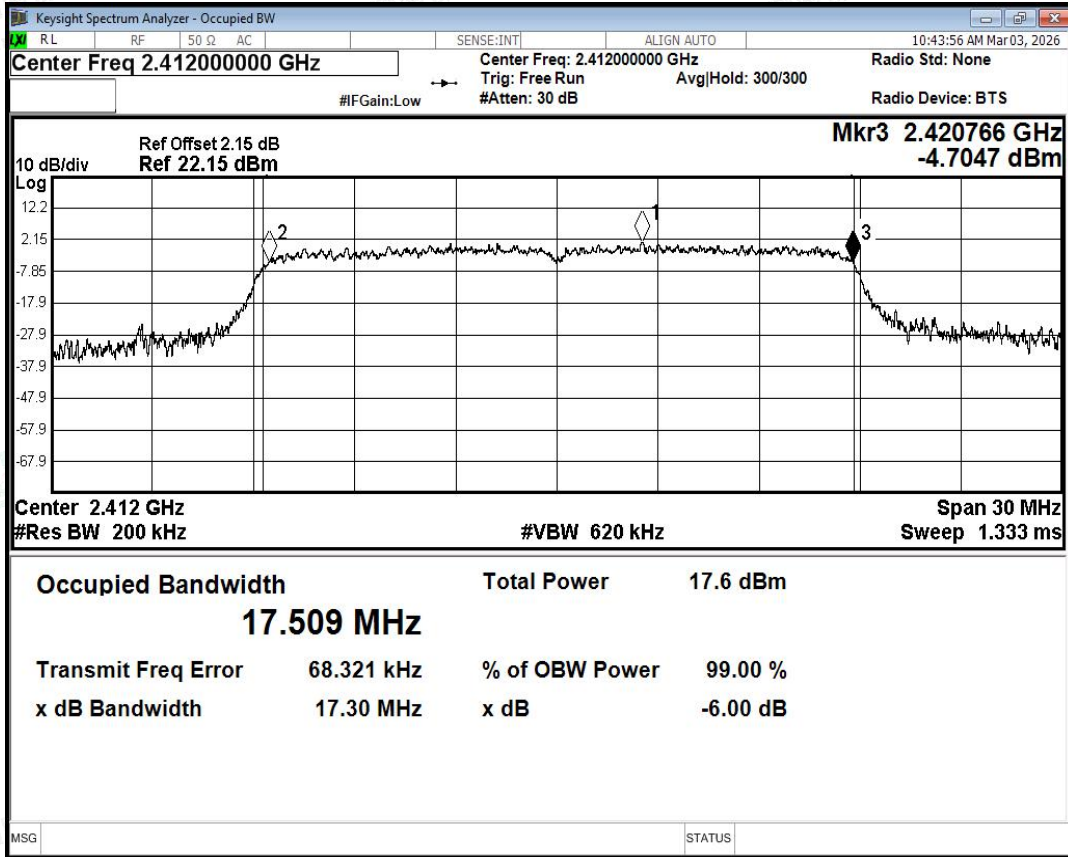


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-6dB Bandwidth NVNT n20 2412MHz Ant1

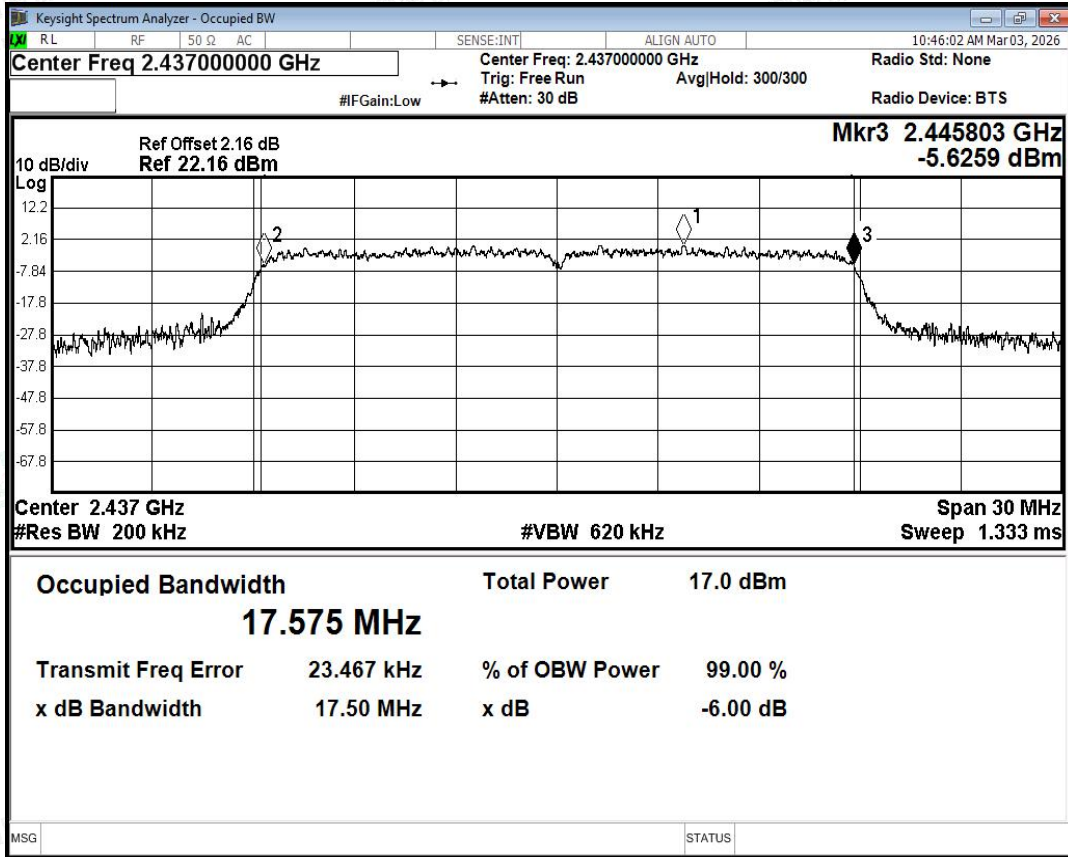


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-6dB Bandwidth NVNT n20 2437MHz Ant1

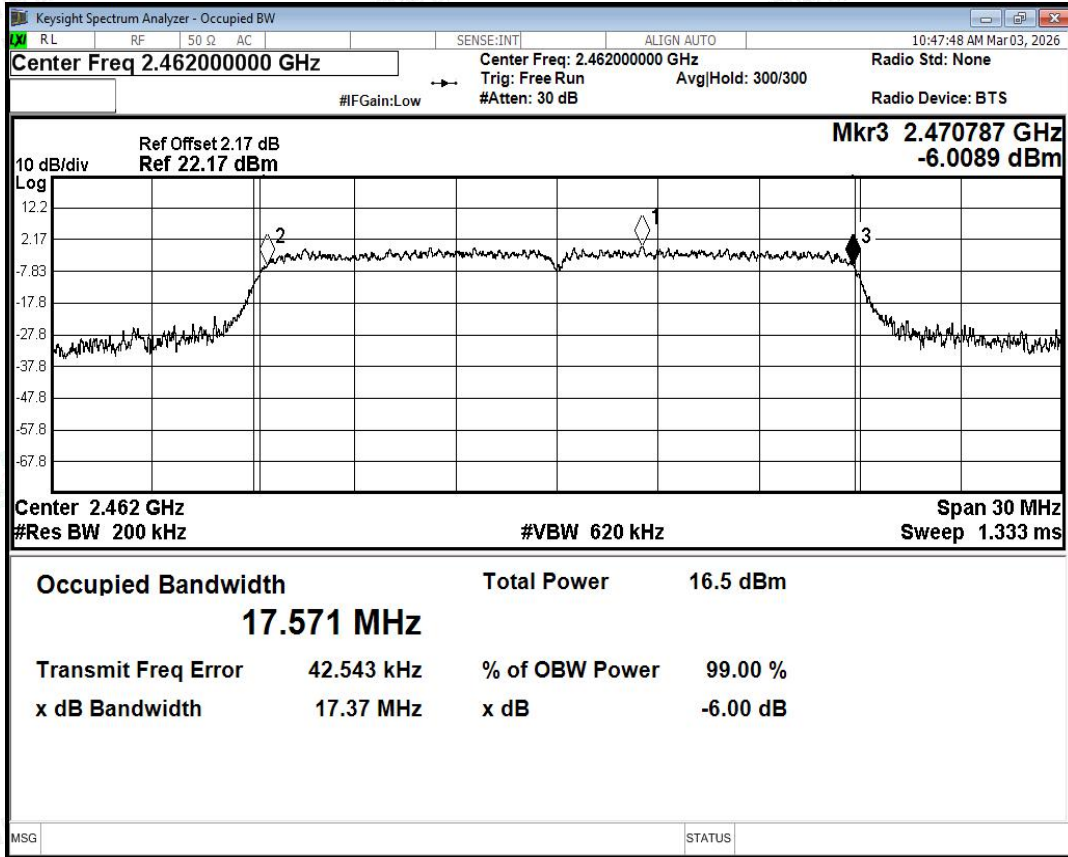


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-6dB Bandwidth NVNT n20 2462MHz Ant1

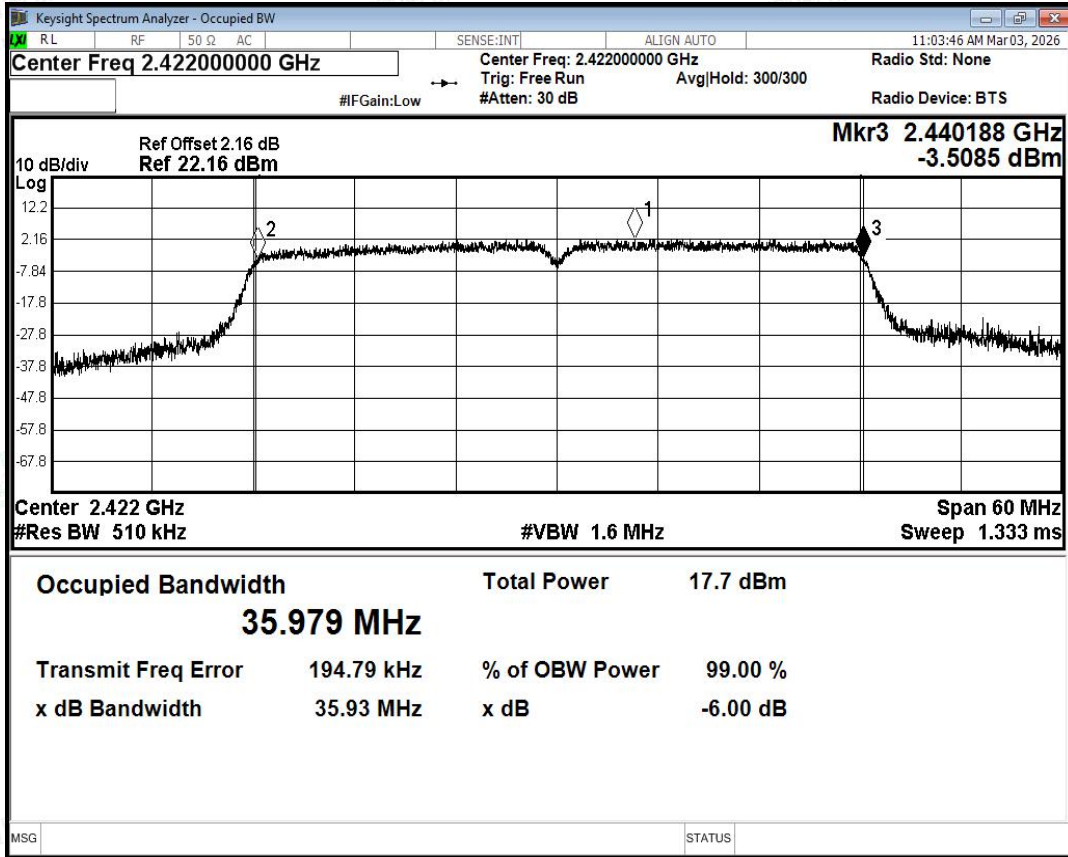


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-6dB Bandwidth NVNT n40 2422MHz Ant1

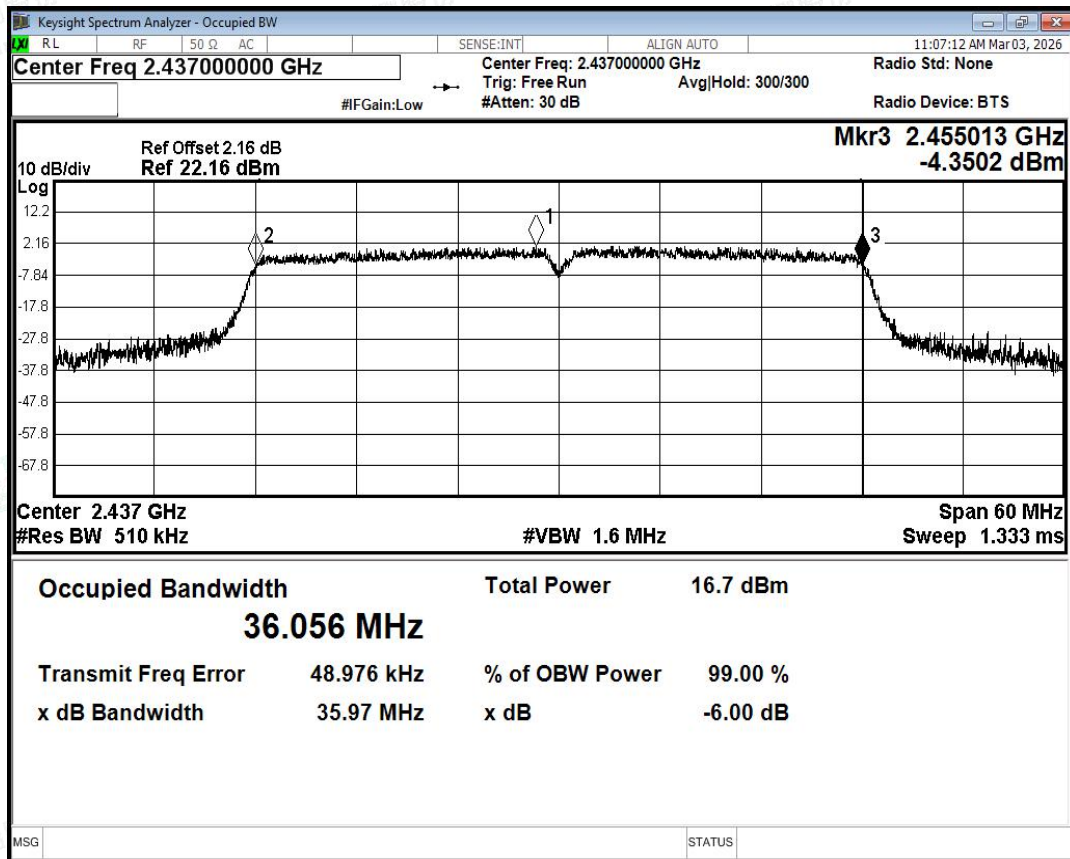


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-6dB Bandwidth NVNT n40 2437MHz Ant1

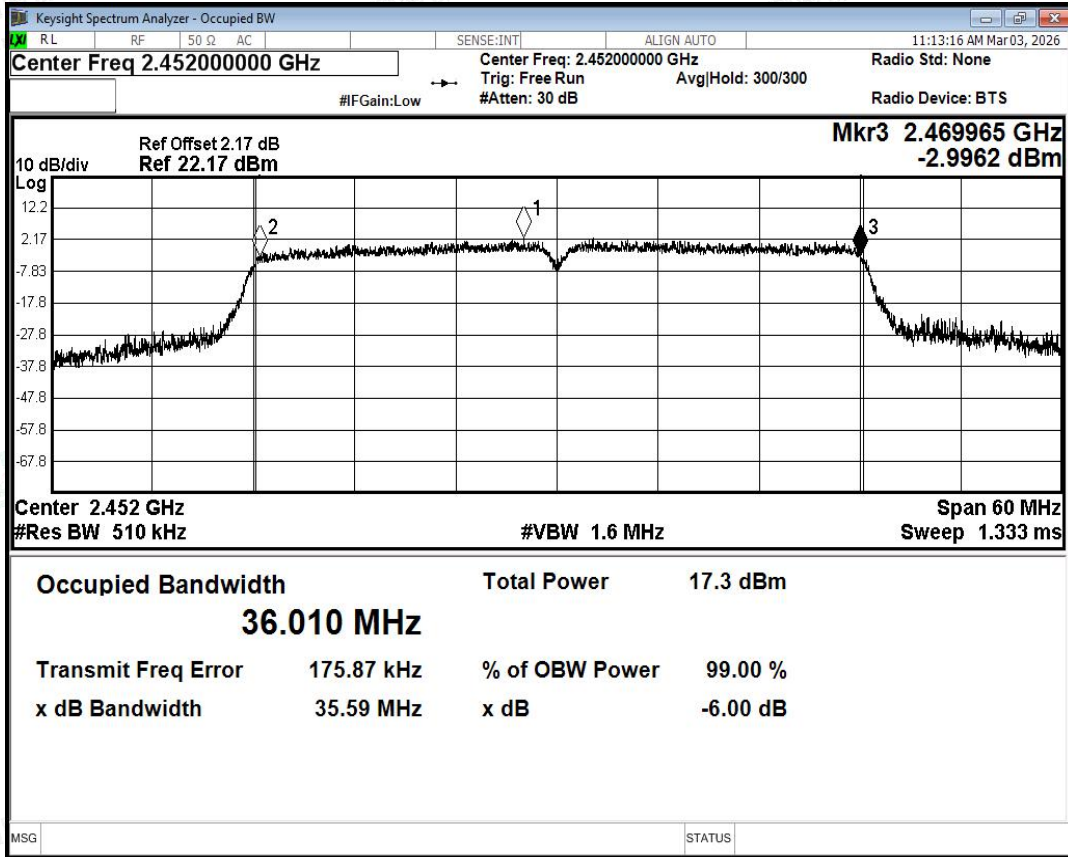


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-6dB Bandwidth NVNT n40 2452MHz Ant1

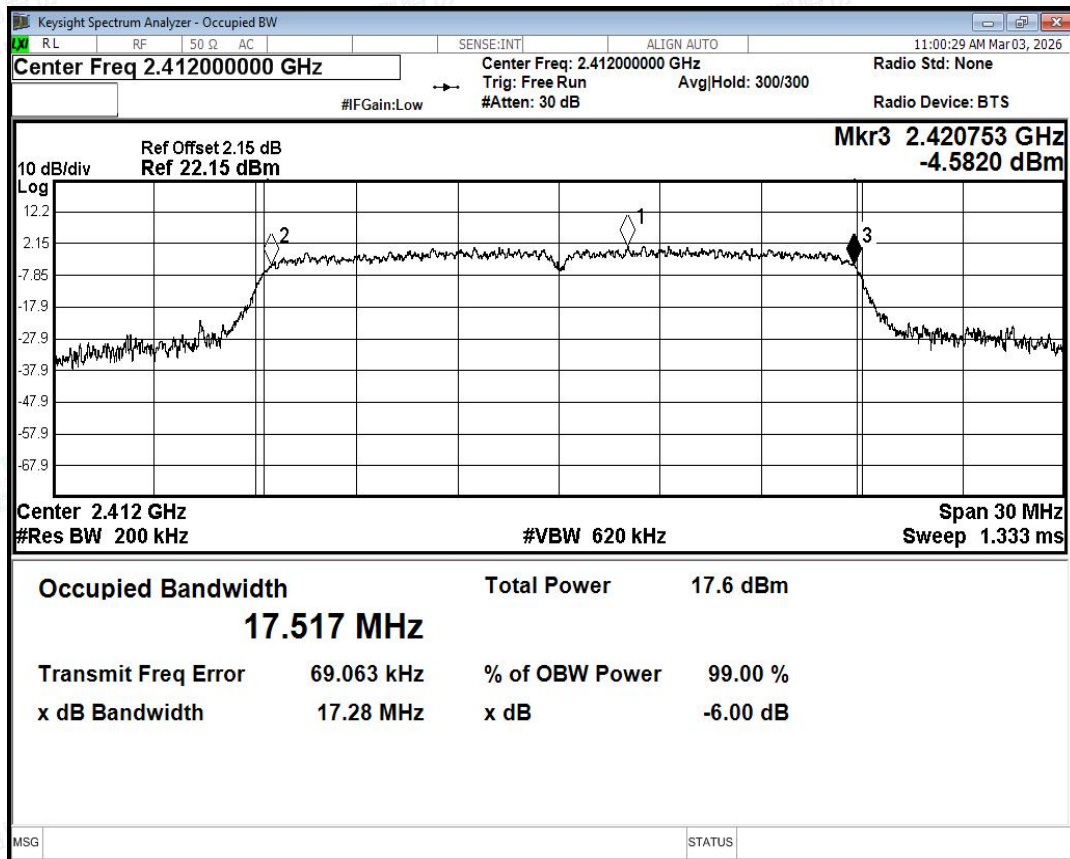


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-6dB Bandwidth NVNT ax20 2412MHz Ant1

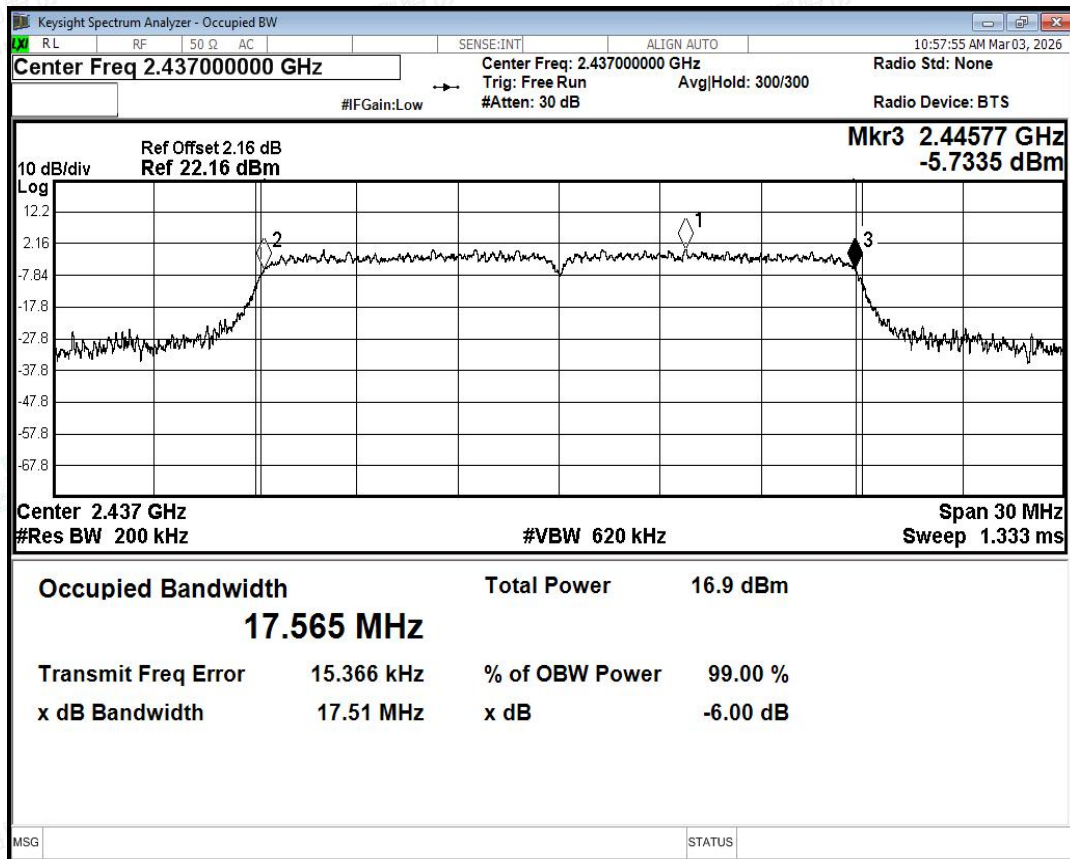


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-6dB Bandwidth NVNT ax20 2437MHz Ant1

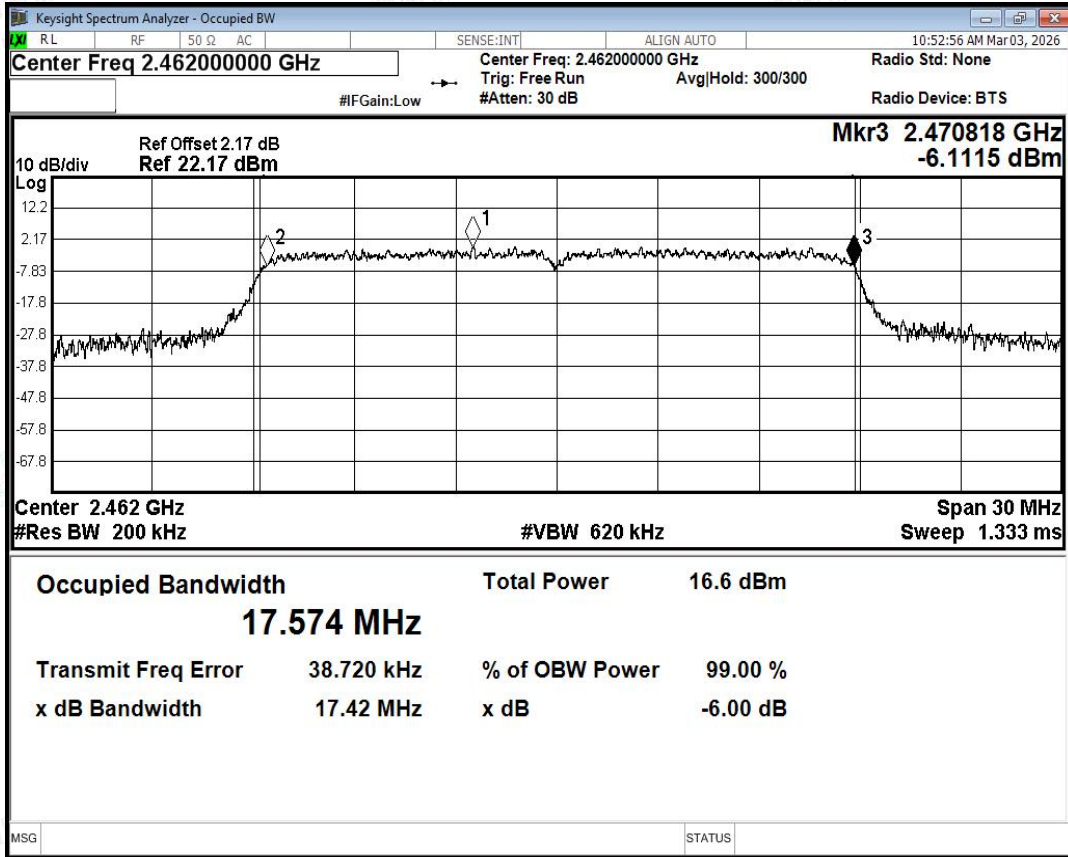


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-6dB Bandwidth NVNT ax20 2462MHz Ant1

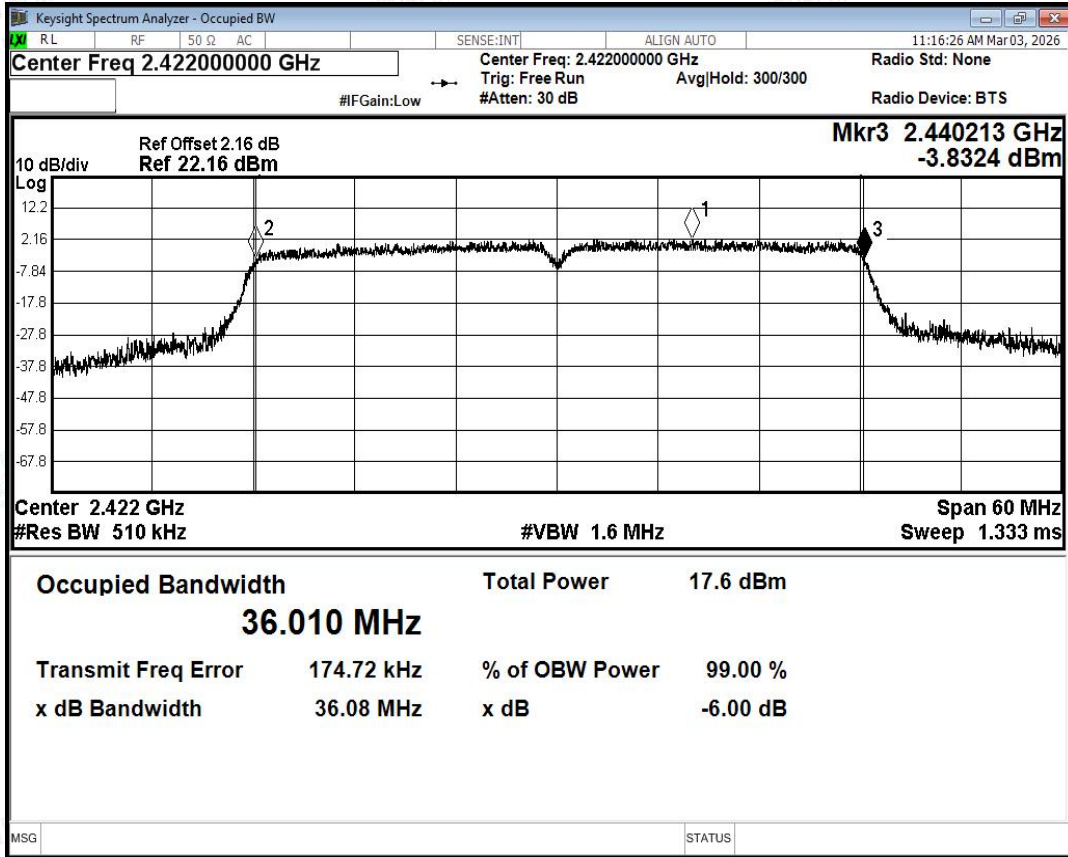


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-6dB Bandwidth NVNT ax40 2422MHz Ant1

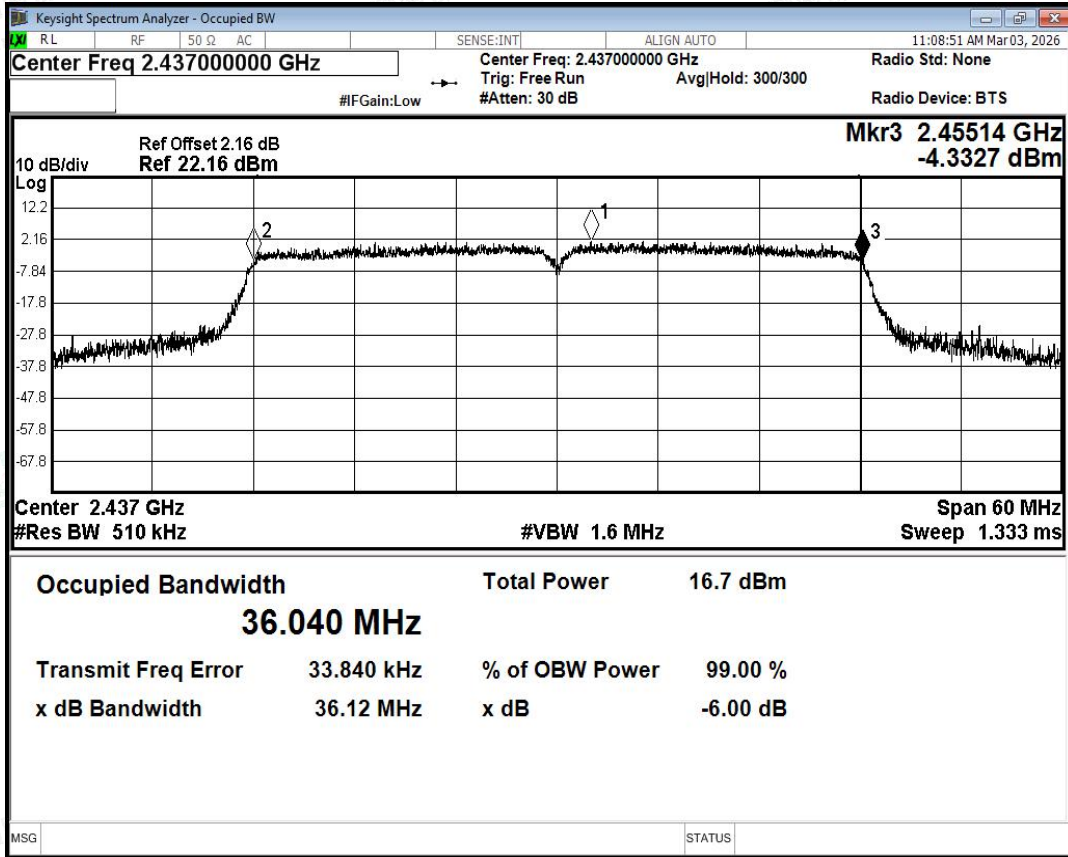


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-6dB Bandwidth NVNT ax40 2437MHz Ant1

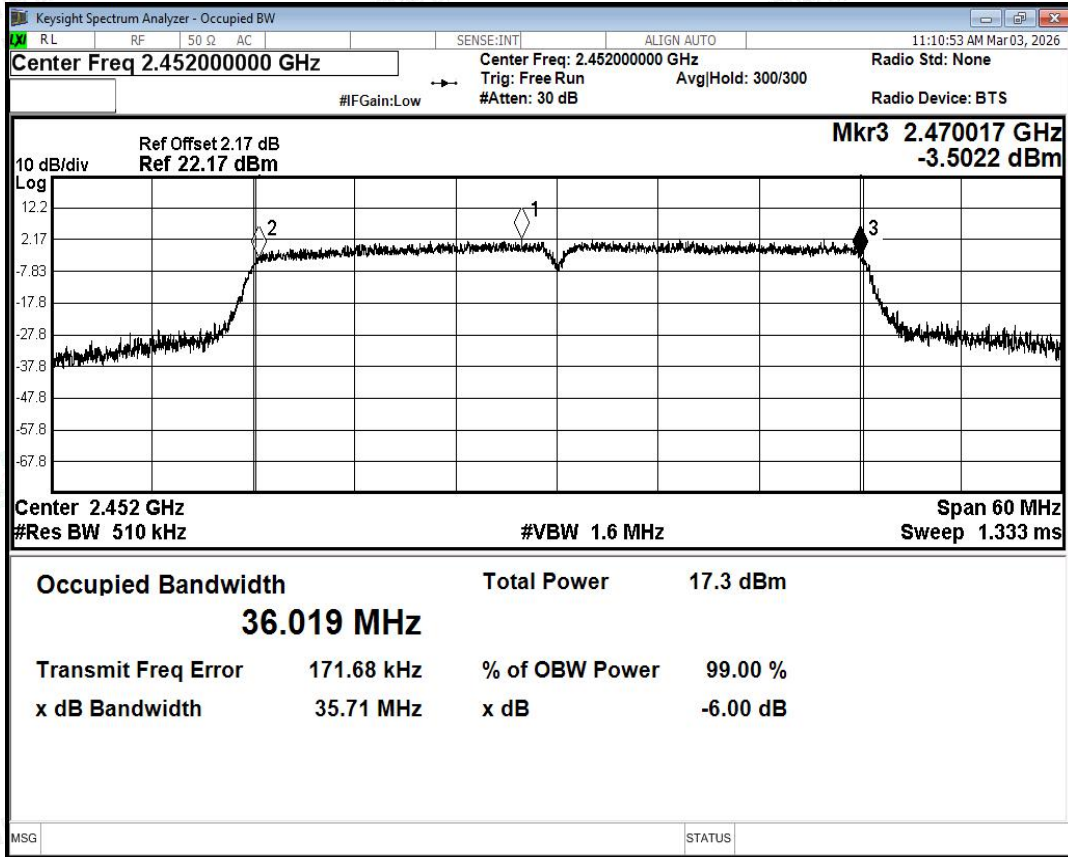


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-6dB Bandwidth NVNT ax40 2452MHz Ant1



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C.2 Maximum Average 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	2412	Ant1	13.22	0.12	13.34	30	Pass
NVNT	ax20	2437	Ant1	13.04	0.12	13.16	30	Pass
NVNT	ax20	2462	Ant1	12.34	0.12	12.46	30	Pass
NVNT	ax40	2422	Ant1	12.47	0.24	12.71	30	Pass
NVNT	ax40	2437	Ant1	12.06	0.24	12.30	30	Pass
NVNT	ax40	2452	Ant1	12.11	0.24	12.35	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	2412	Ant1	13.66	0.12	13.78	30	Pass
NVNT	ax20	2437	Ant1	13.02	0.12	13.14	30	Pass
NVNT	ax20	2462	Ant1	12.54	0.12	12.66	30	Pass
NVNT	ax40	2422	Ant1	13.36	0.24	13.60	30	Pass
NVNT	ax40	2437	Ant1	12.33	0.24	12.57	30	Pass
NVNT	ax40	2452	Ant1	12.19	0.24	12.43	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	2412	Ant1	13.88	0.12	14.00	30	Pass
NVNT	ax20	2437	Ant1	13.17	0.12	13.29	30	Pass
NVNT	ax20	2462	Ant1	12.45	0.12	12.57	30	Pass
NVNT	ax40	2422	Ant1	13.11	0.24	13.35	30	Pass
NVNT	ax40	2437	Ant1	12.15	0.24	12.39	30	Pass
NVNT	ax40	2452	Ant1	13.08	0.24	13.32	30	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	2412	Ant1	13.38	0.12	13.50	30	Pass
NVNT	ax20	2437	Ant1	12.35	0.12	12.47	30	Pass
NVNT	ax20	2462	Ant1	13.08	0.12	13.20	30	Pass
NVNT	ax40	2422	Ant1	13.05	0.24	13.29	30	Pass
NVNT	ax40	2437	Ant1	12.47	0.24	12.71	30	Pass
NVNT	ax40	2452	Ant1	12.37	0.24	12.61	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	2422	Ant1	13.03	0.24	13.27	30	Pass
NVNT	ax40	2437	Ant1	12.14	0.24	12.38	30	Pass
NVNT	ax40	2452	Ant1	12.33	0.24	12.57	30	Pass





Full RU

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	b	2412	Ant1	15.42	0.01	15.43	30	Pass
NVNT	b	2437	Ant1	14.63	0.47	15.1	30	Pass
NVNT	b	2462	Ant1	14.8	0.01	14.81	30	Pass
NVNT	g	2412	Ant1	13.85	0.1	13.95	30	Pass
NVNT	g	2437	Ant1	13.2	0.1	13.3	30	Pass
NVNT	g	2462	Ant1	12.78	0.1	12.88	30	Pass
NVNT	n20	2412	Ant1	14.24	0.12	14.36	30	Pass
NVNT	n20	2437	Ant1	13.54	0.12	13.66	30	Pass
NVNT	n20	2462	Ant1	13.14	0.12	13.26	30	Pass
NVNT	n40	2422	Ant1	13.64	0.24	13.88	30	Pass
NVNT	n40	2437	Ant1	12.66	0.24	12.9	30	Pass
NVNT	n40	2452	Ant1	13.14	0.24	13.38	30	Pass
NVNT	ax20	2412	Ant1	14.23	0.12	14.35	30	Pass
NVNT	ax20	2437	Ant1	13.51	0.12	13.63	30	Pass
NVNT	ax20	2462	Ant1	13.17	0.12	13.29	30	Pass
NVNT	ax40	2422	Ant1	13.59	0.24	13.83	30	Pass
NVNT	ax40	2437	Ant1	12.66	0.24	12.9	30	Pass
NVNT	ax40	2452	Ant1	13.21	0.24	13.45	30	Pass



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C.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/30kHz)	Duty Factor (dB)	Total PSD (dBm/30kHz)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-8.42	0.01	-8.41	-18.41	8	Pass
NVNT	b	2437	Ant1	-9.26	0.47	-8.79	-18.79	8	Pass
NVNT	b	2462	Ant1	-9.13	0.01	-9.12	-19.12	8	Pass
NVNT	g	2412	Ant1	-13.1	0.1	-13	-23.00	8	Pass
NVNT	g	2437	Ant1	-13.92	0.1	-13.82	-23.82	8	Pass
NVNT	g	2462	Ant1	-13.71	0.1	-13.61	-23.61	8	Pass
NVNT	n20	2412	Ant1	-13.27	0.12	-13.15	-23.15	8	Pass
NVNT	n20	2437	Ant1	-14	0.12	-13.88	-23.88	8	Pass
NVNT	n20	2462	Ant1	-14.72	0.12	-14.6	-24.60	8	Pass
NVNT	n40	2422	Ant1	-16.67	0.24	-16.43	-26.43	8	Pass
NVNT	n40	2437	Ant1	-17.66	0.24	-17.42	-27.42	8	Pass
NVNT	n40	2452	Ant1	-17.63	0.24	-17.39	-27.39	8	Pass
NVNT	ax20	2412	Ant1	-13.48	0.12	-13.36	-23.36	8	Pass
NVNT	ax20	2437	Ant1	-14.48	0.12	-14.36	-24.36	8	Pass
NVNT	ax20	2462	Ant1	-14.33	0.12	-14.21	-24.21	8	Pass
NVNT	ax40	2422	Ant1	-17.02	0.24	-16.78	-26.78	8	Pass
NVNT	ax40	2437	Ant1	-17.64	0.24	-17.4	-27.40	8	Pass
NVNT	ax40	2452	Ant1	-17.06	0.24	-16.82	-26.82	8	Pass

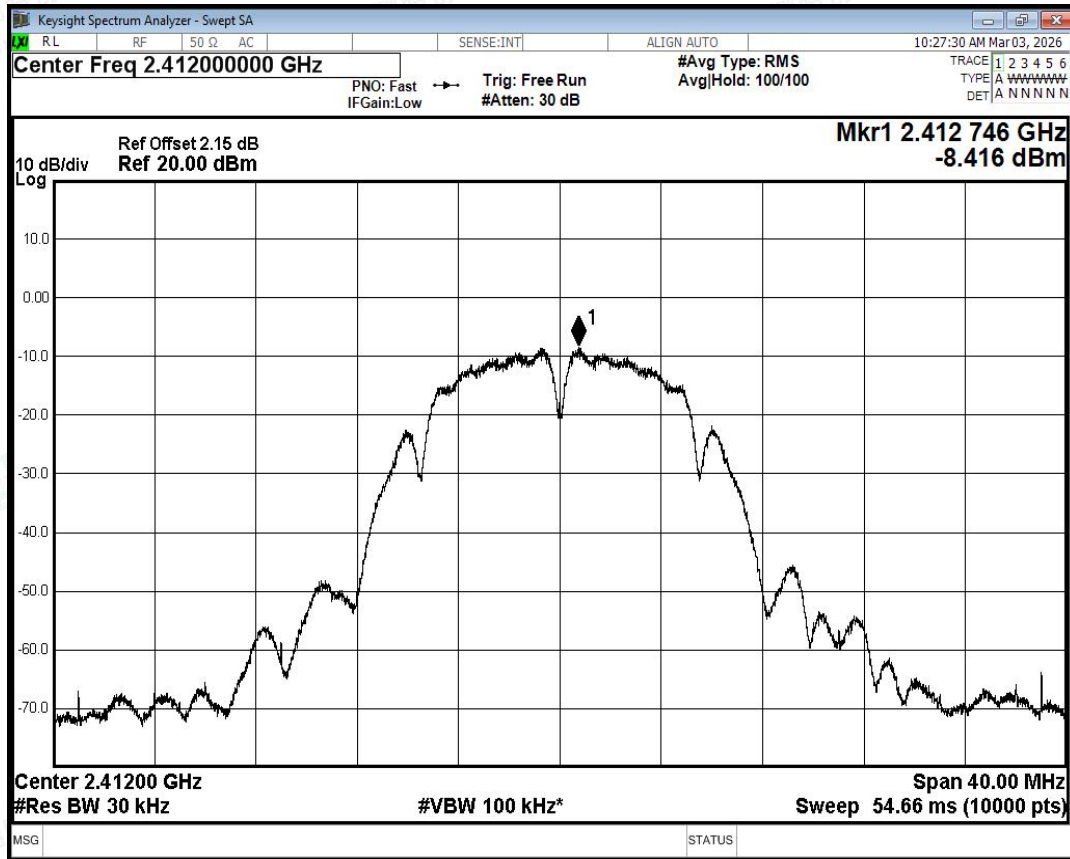


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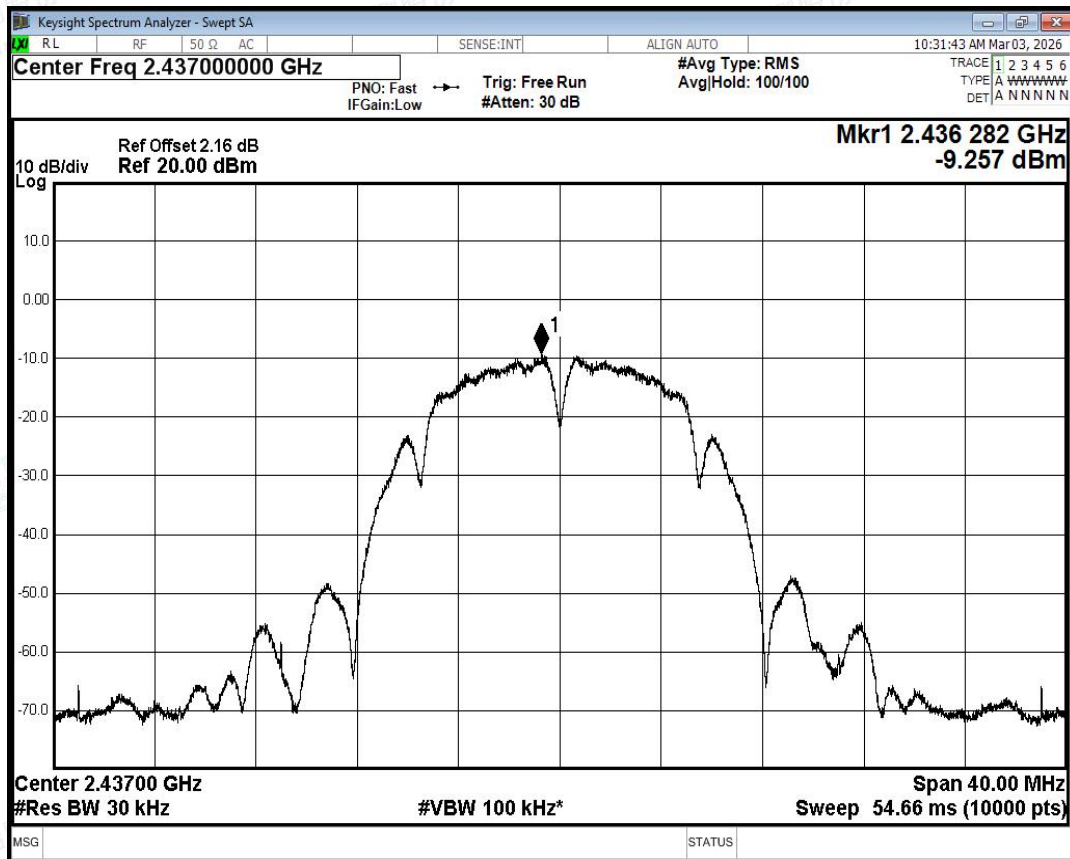


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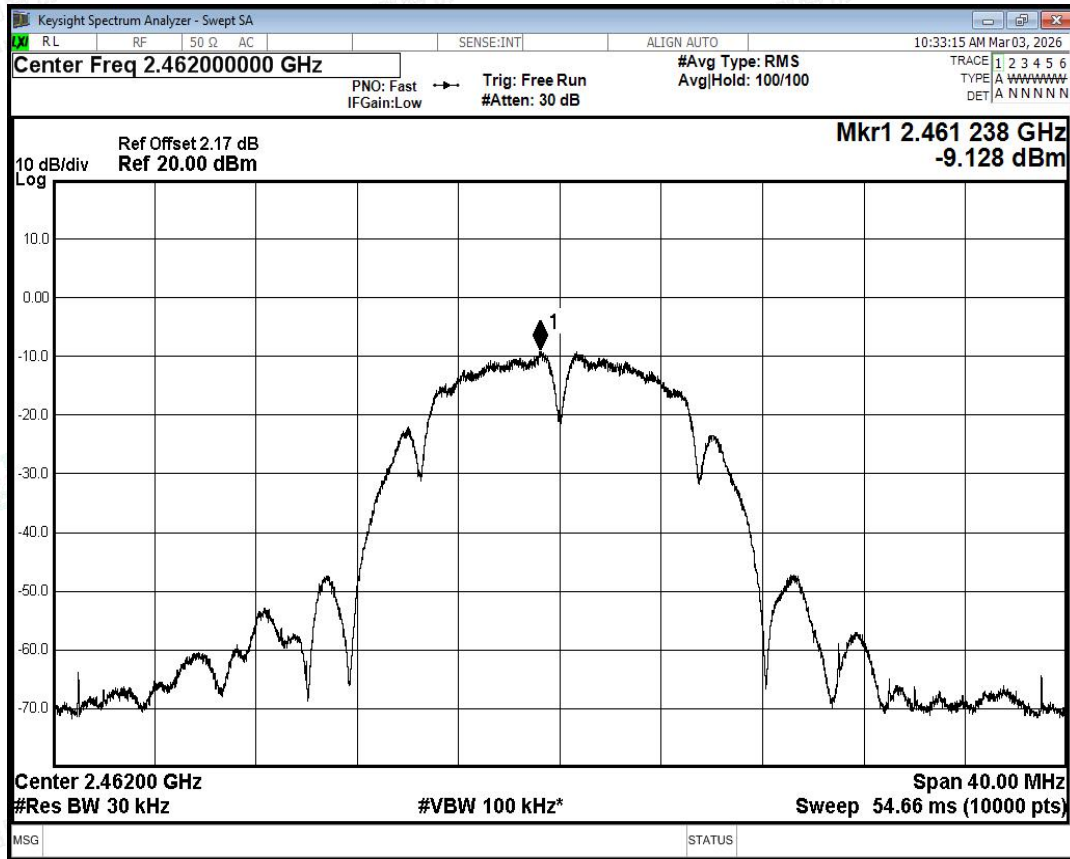


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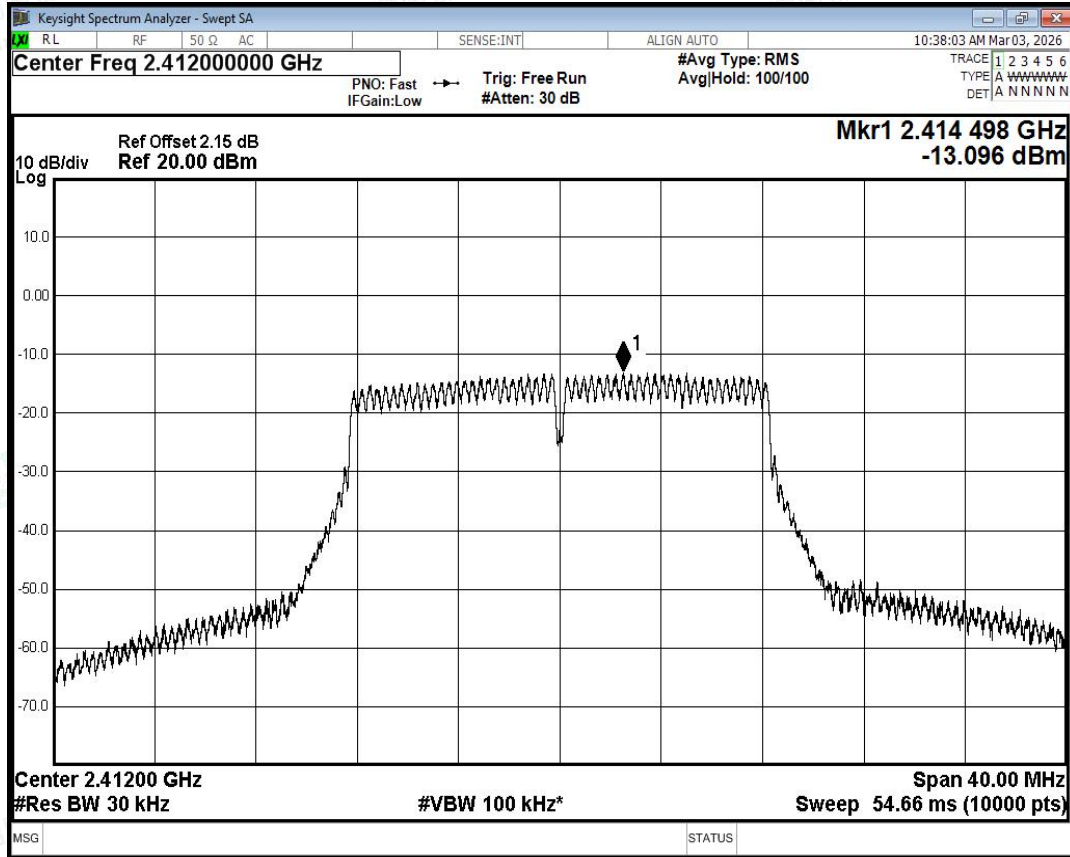


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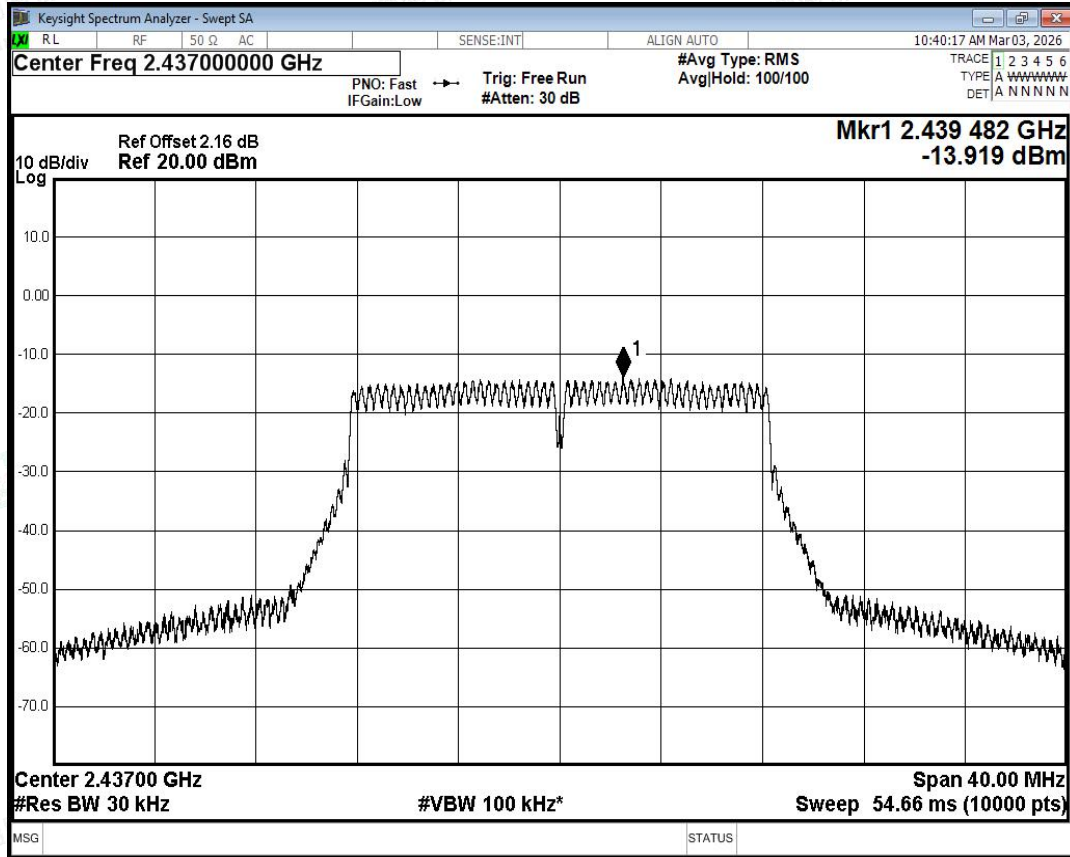


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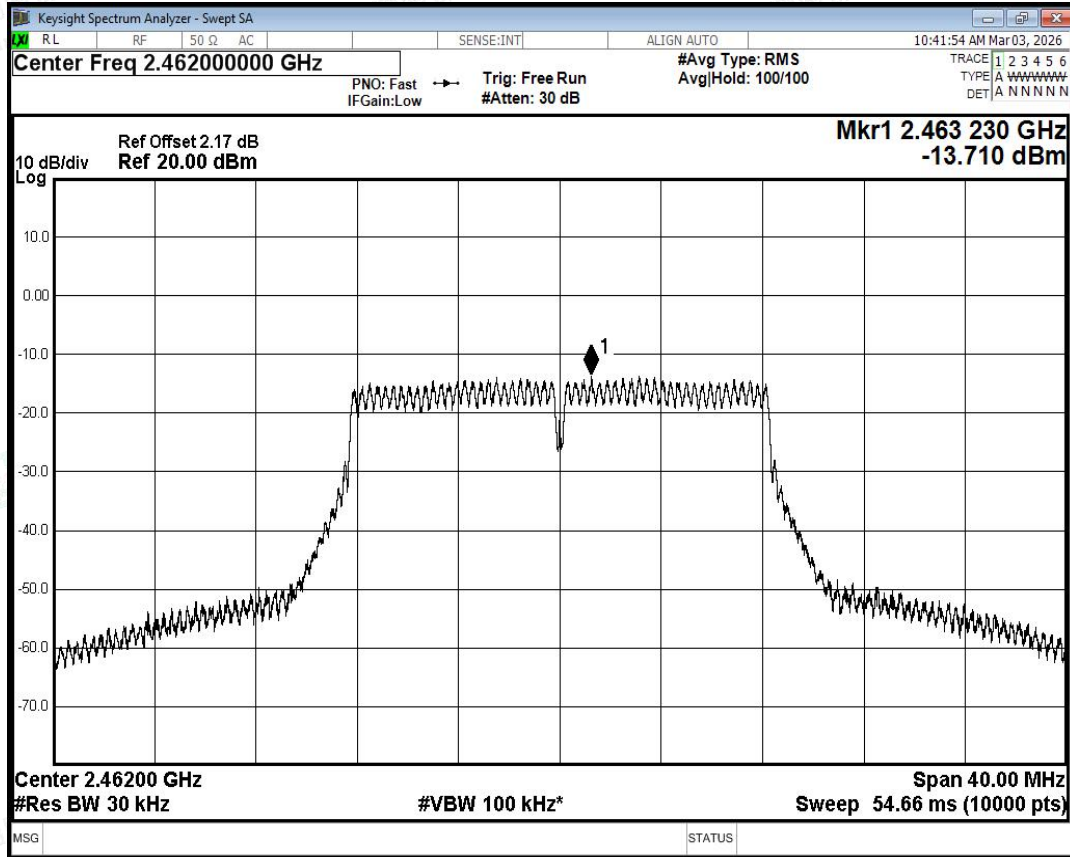


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