



Appendix E

RF Test Data for 5.3GWIFI(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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E.1 -26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5260	Ant1	29.56
NVNT	a	5280	Ant1	29.34
NVNT	a	5320	Ant1	29.12
NVNT	n20	5260	Ant1	28.85
NVNT	n20	5280	Ant1	29.52
NVNT	n20	5320	Ant1	28.66
NVNT	n40	5270	Ant1	51.01
NVNT	n40	5310	Ant1	54.66
NVNT	ac20	5260	Ant1	29.14
NVNT	ac20	5280	Ant1	29.07
NVNT	ac20	5320	Ant1	29.35
NVNT	ac40	5270	Ant1	54.44
NVNT	ac40	5310	Ant1	55.01
NVNT	ac80	5290	Ant1	87.89
NVNT	ax20	5260	Ant1	28.64
NVNT	ax20	5280	Ant1	28.92
NVNT	ax20	5320	Ant1	29.68
NVNT	ax40	5270	Ant1	52.18
NVNT	ax40	5310	Ant1	56.81
NVNT	ax80	5290	Ant1	88.17

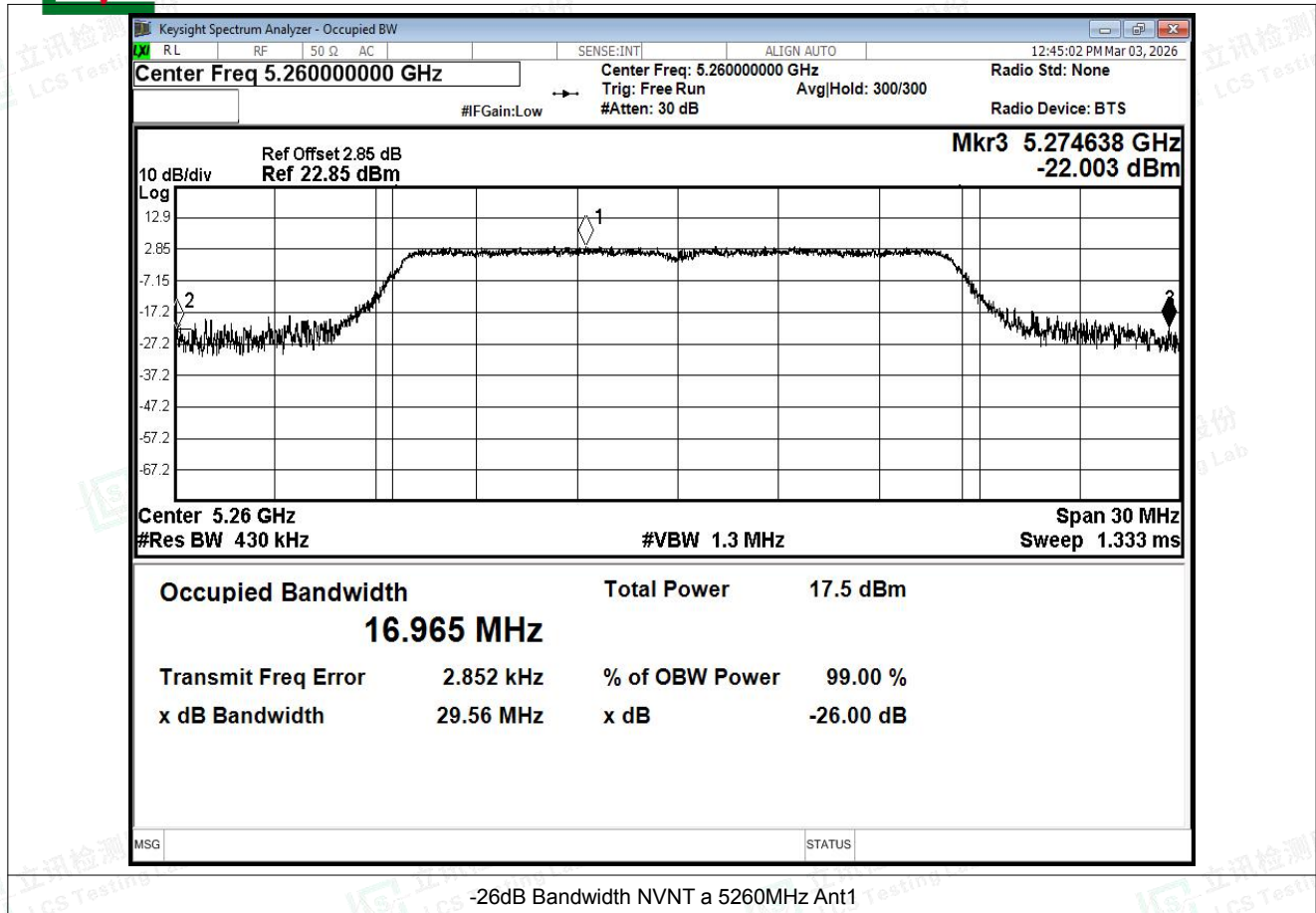


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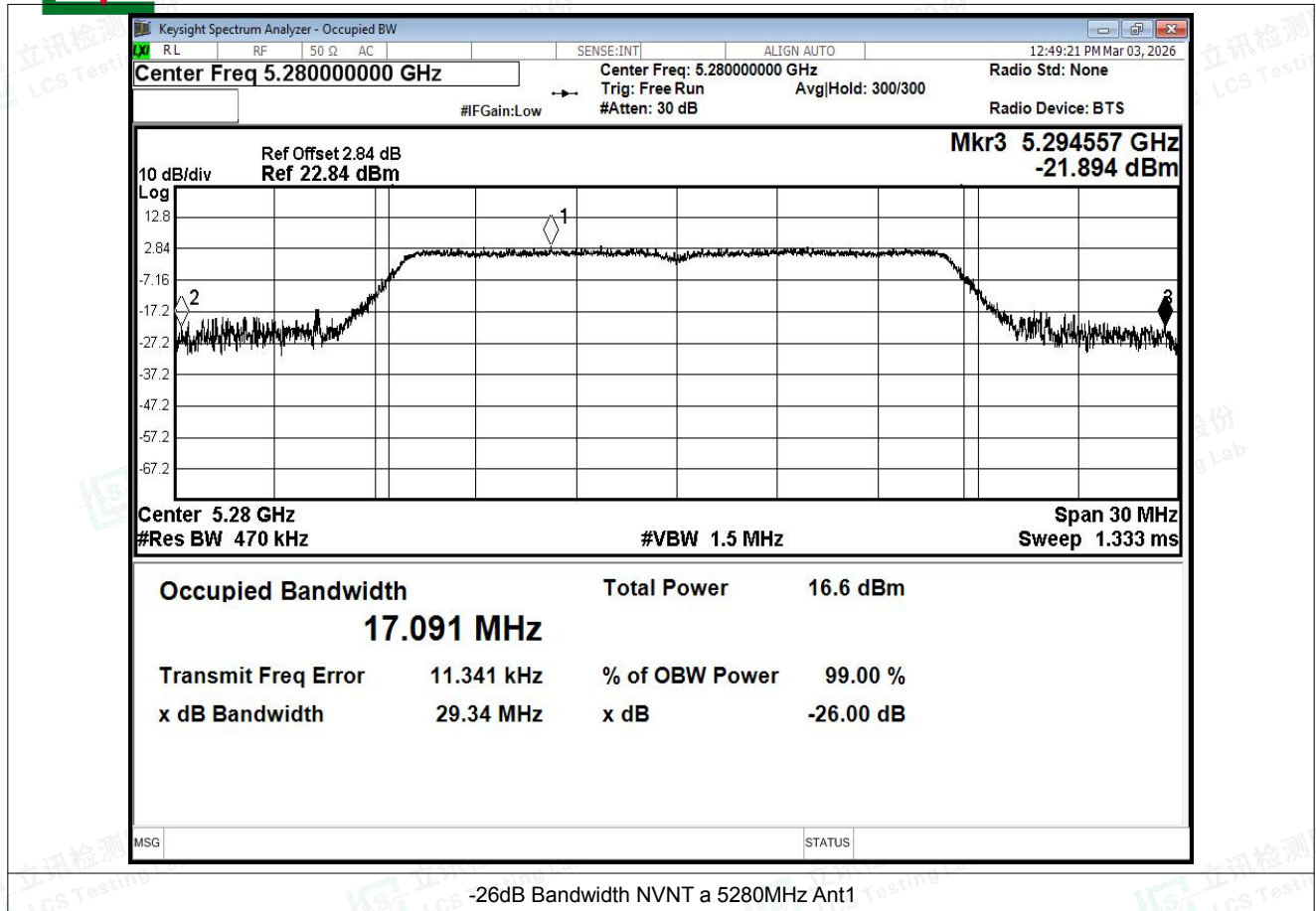


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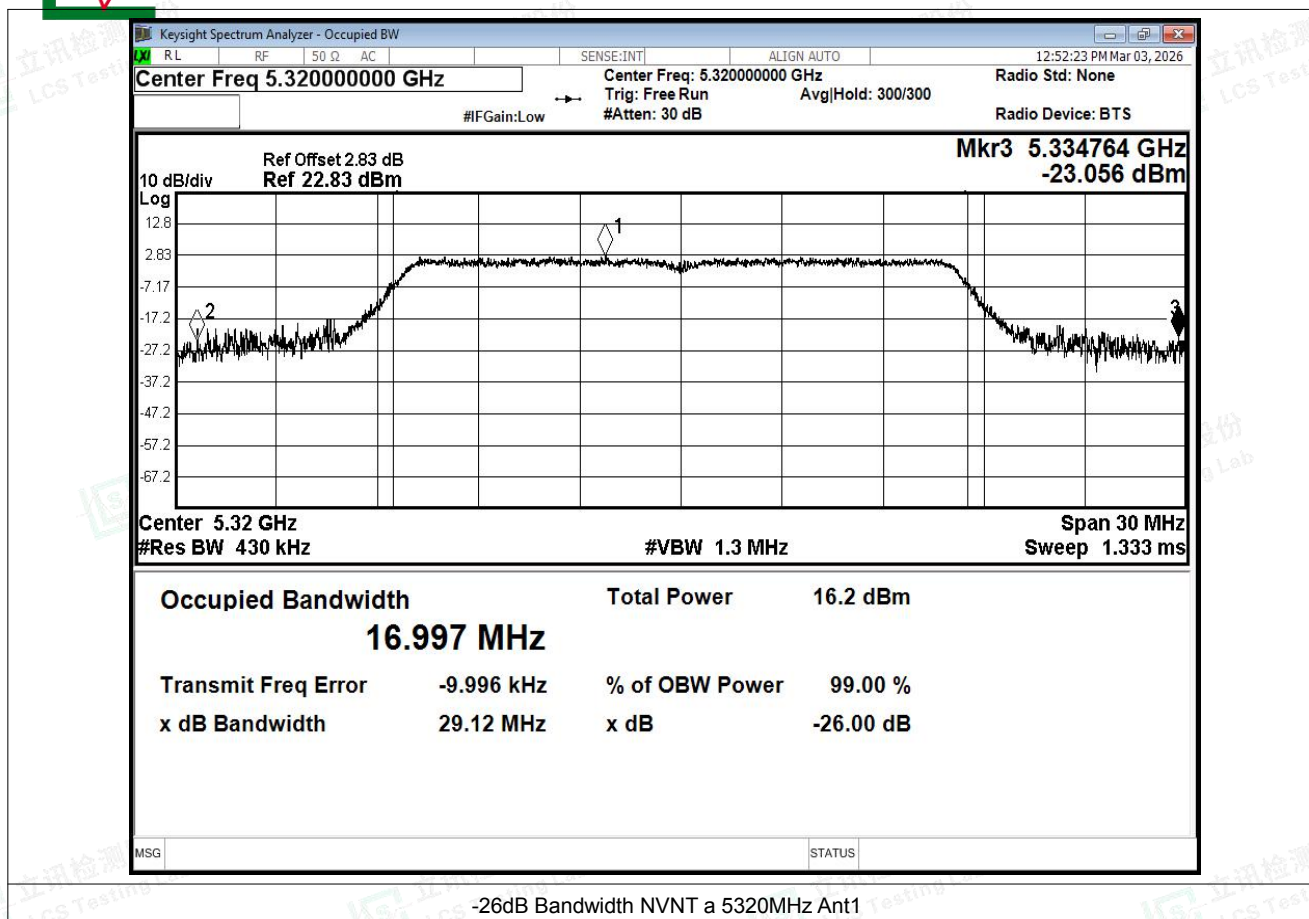


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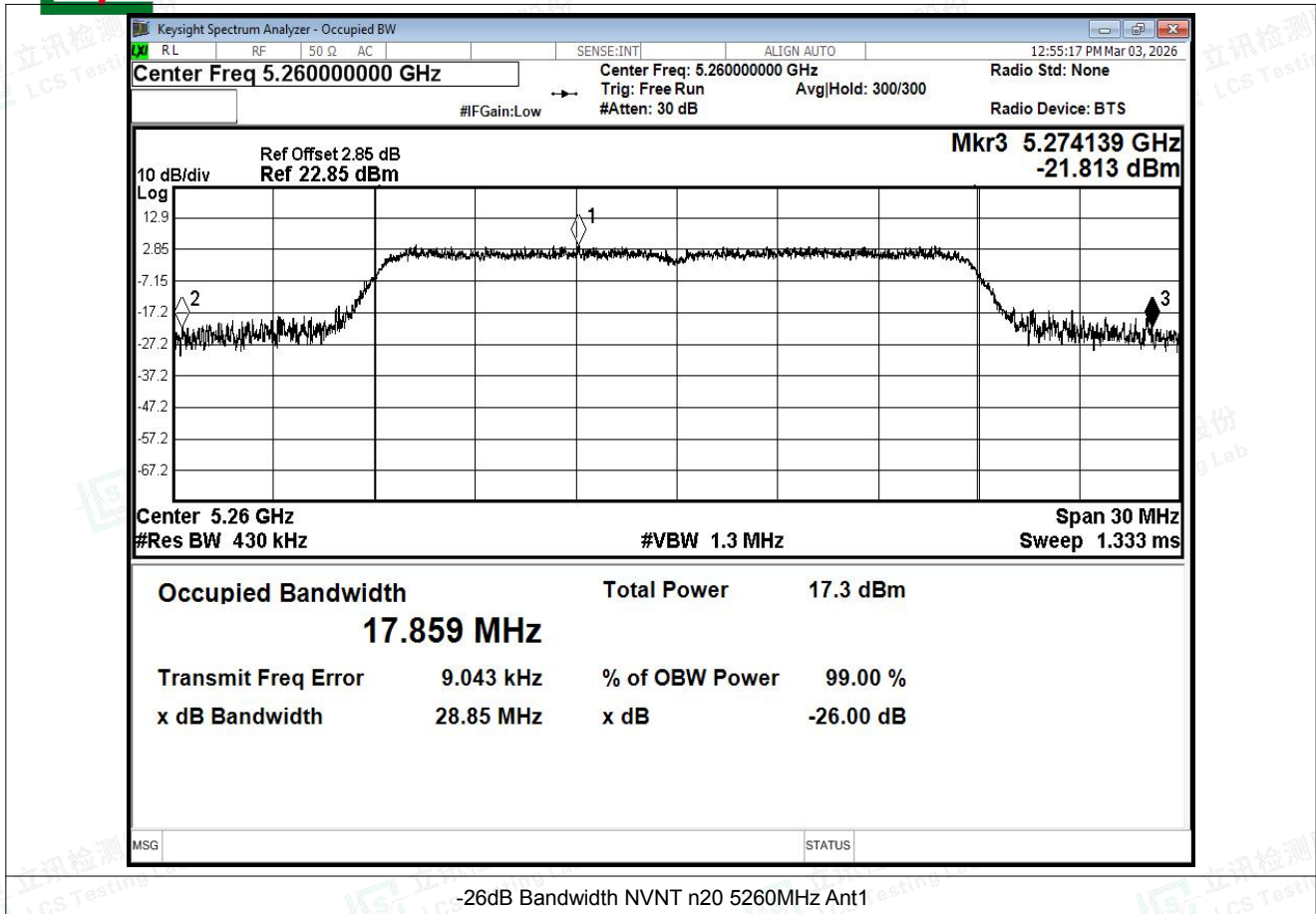


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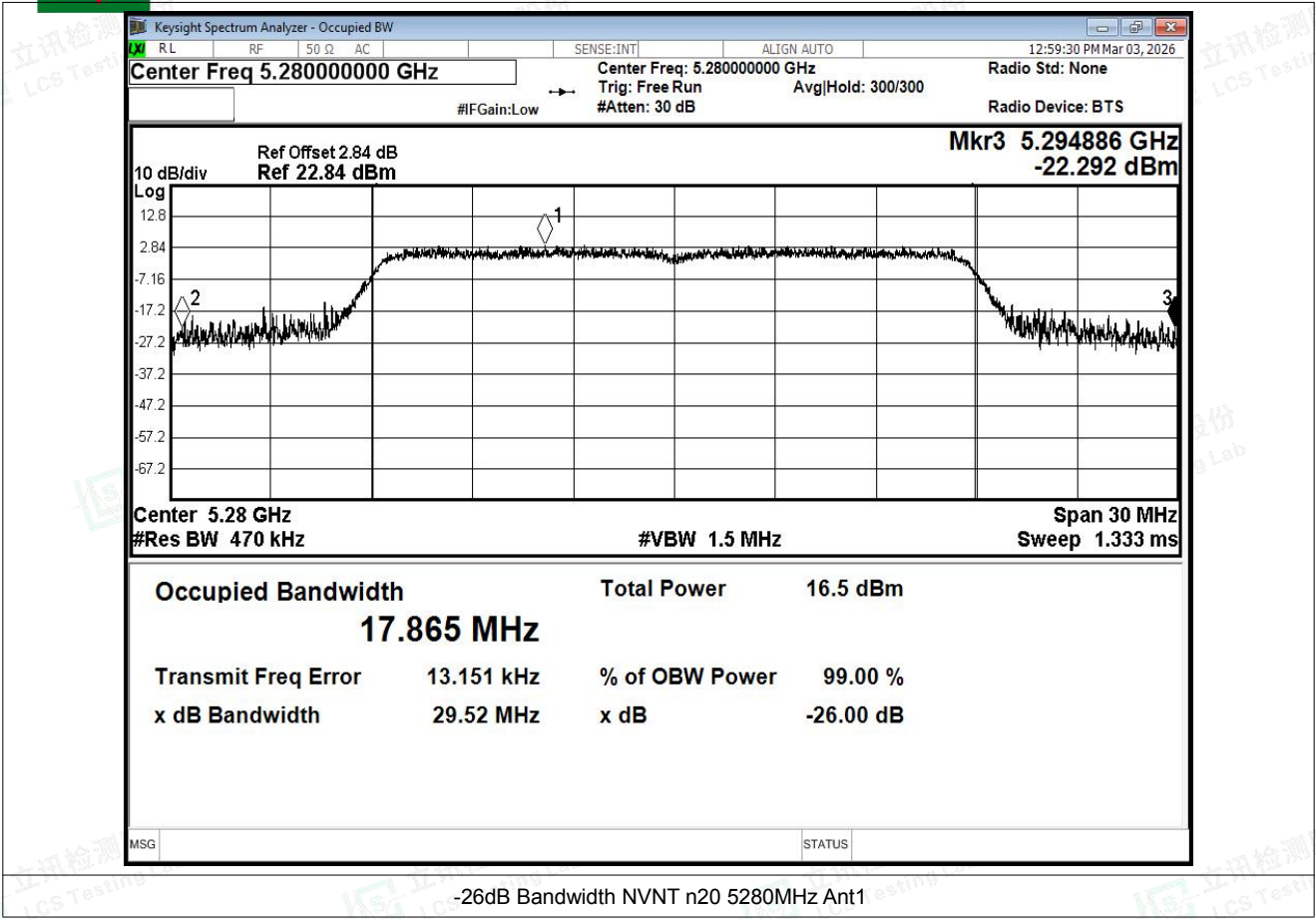


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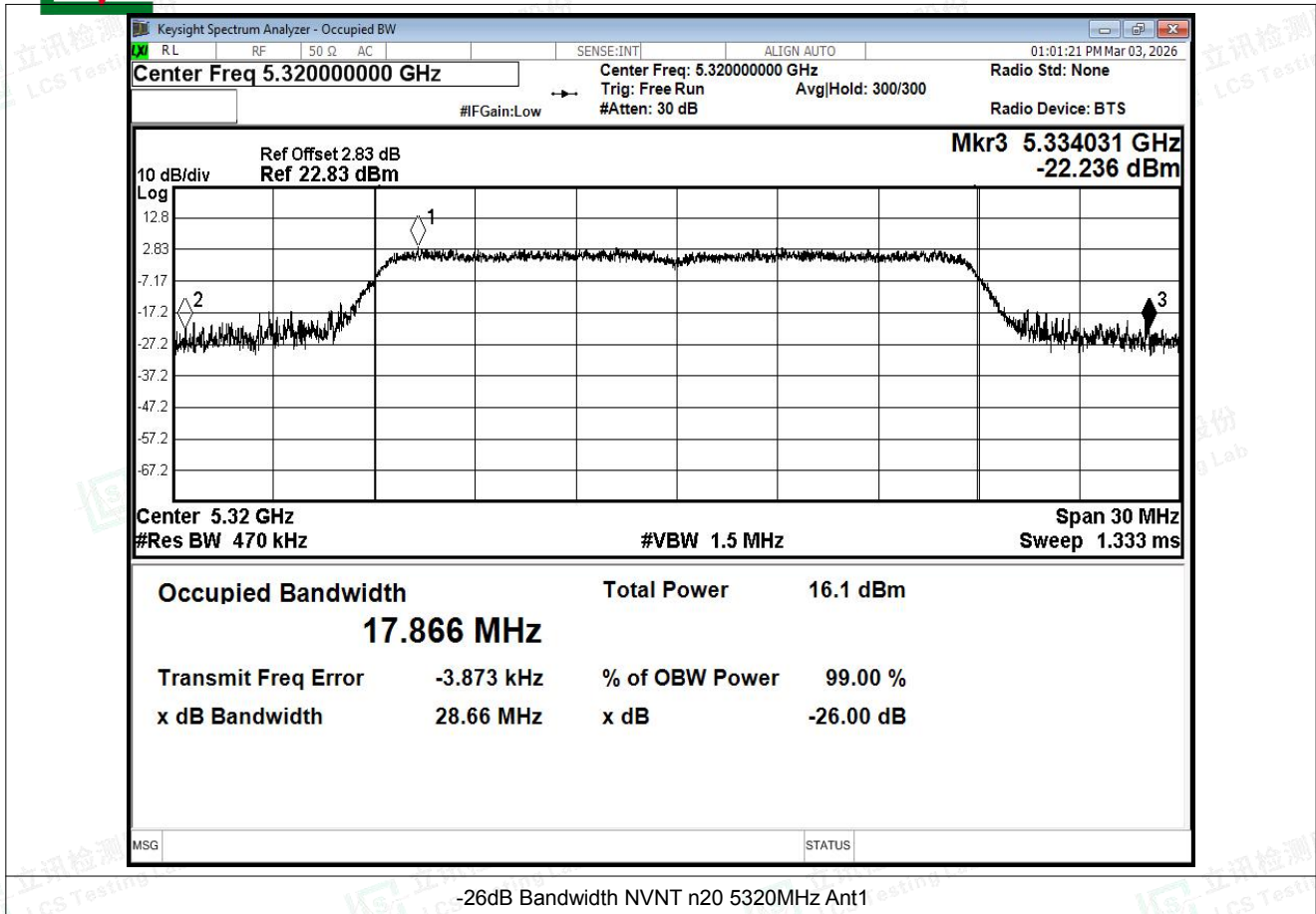
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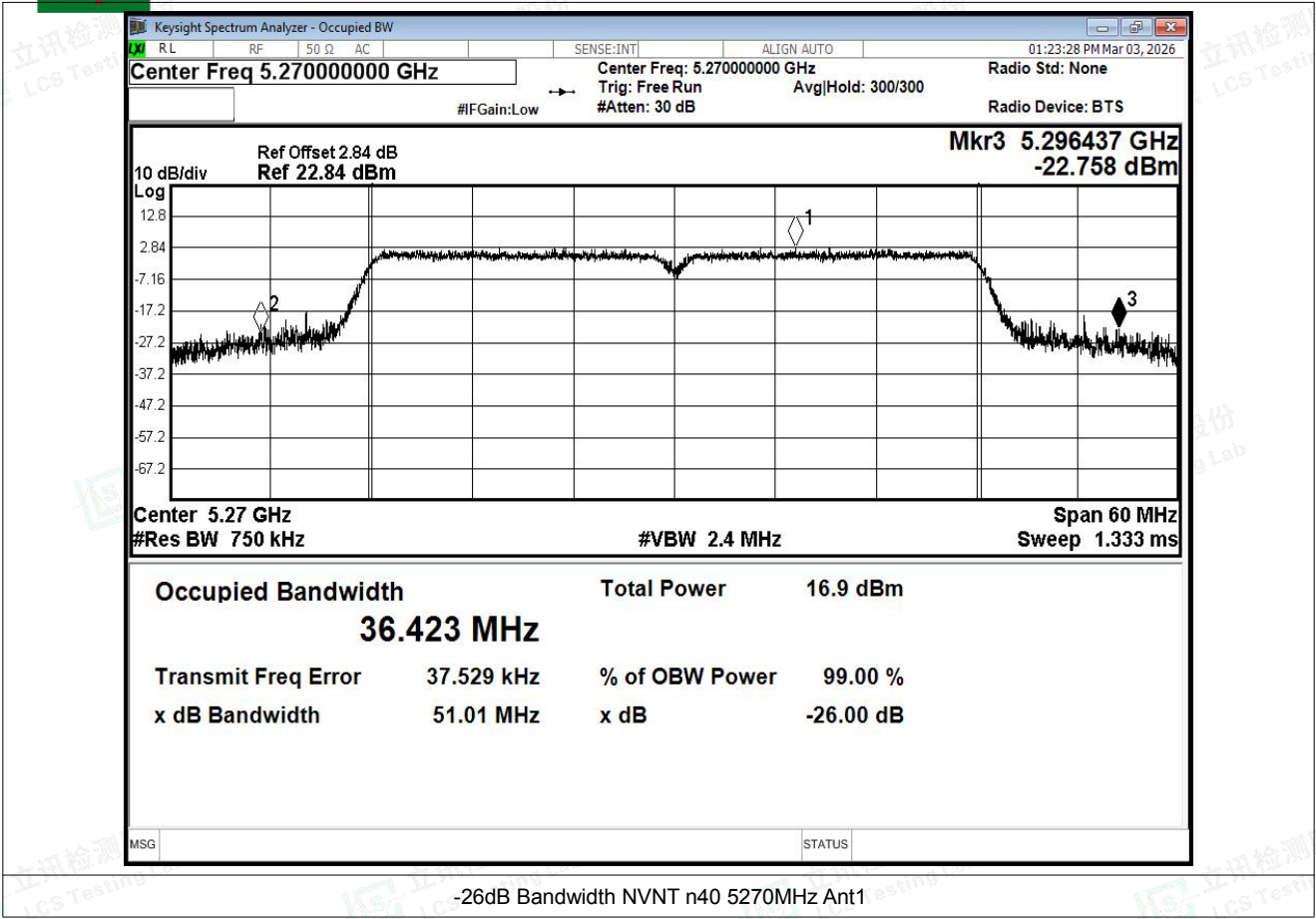


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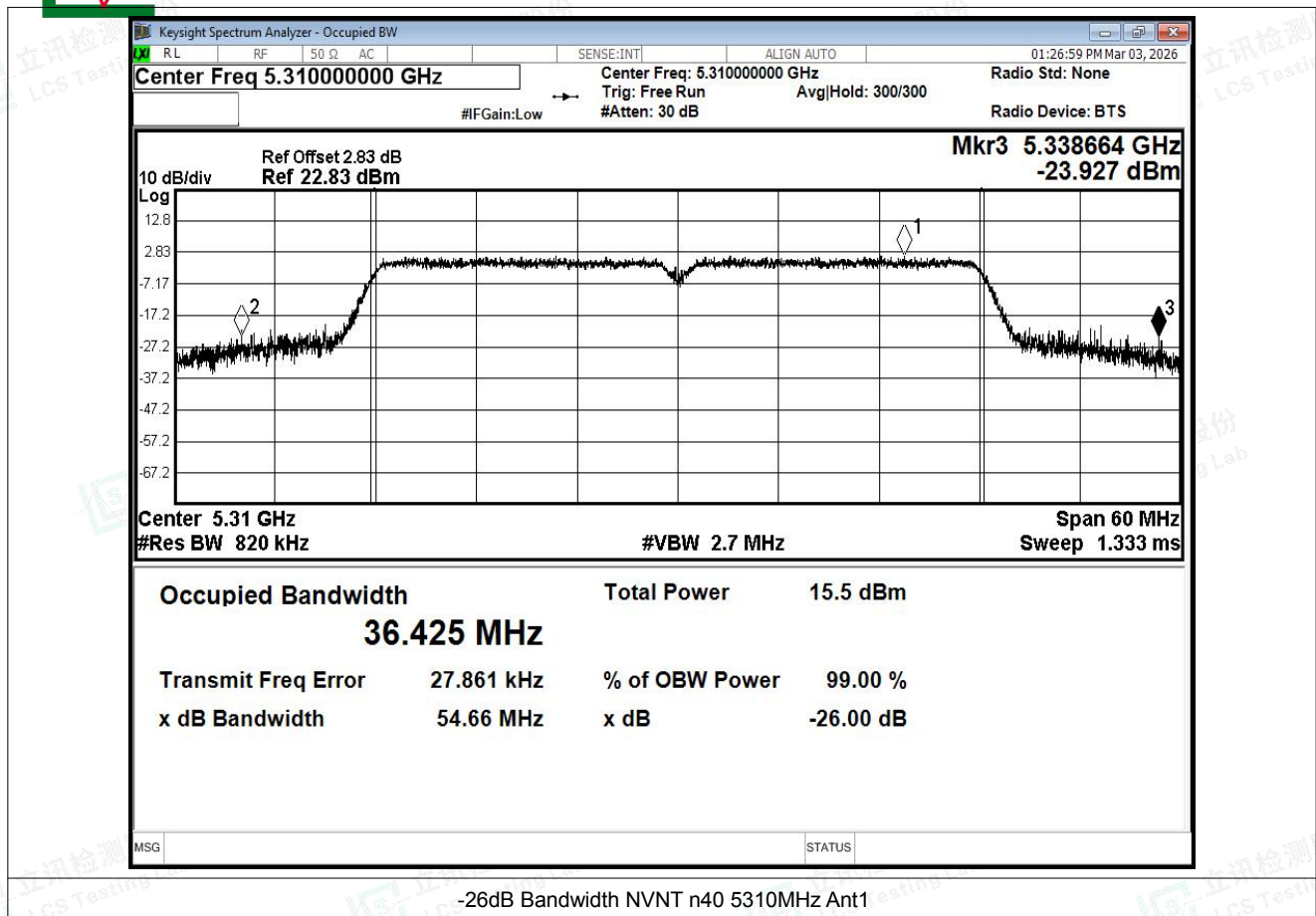
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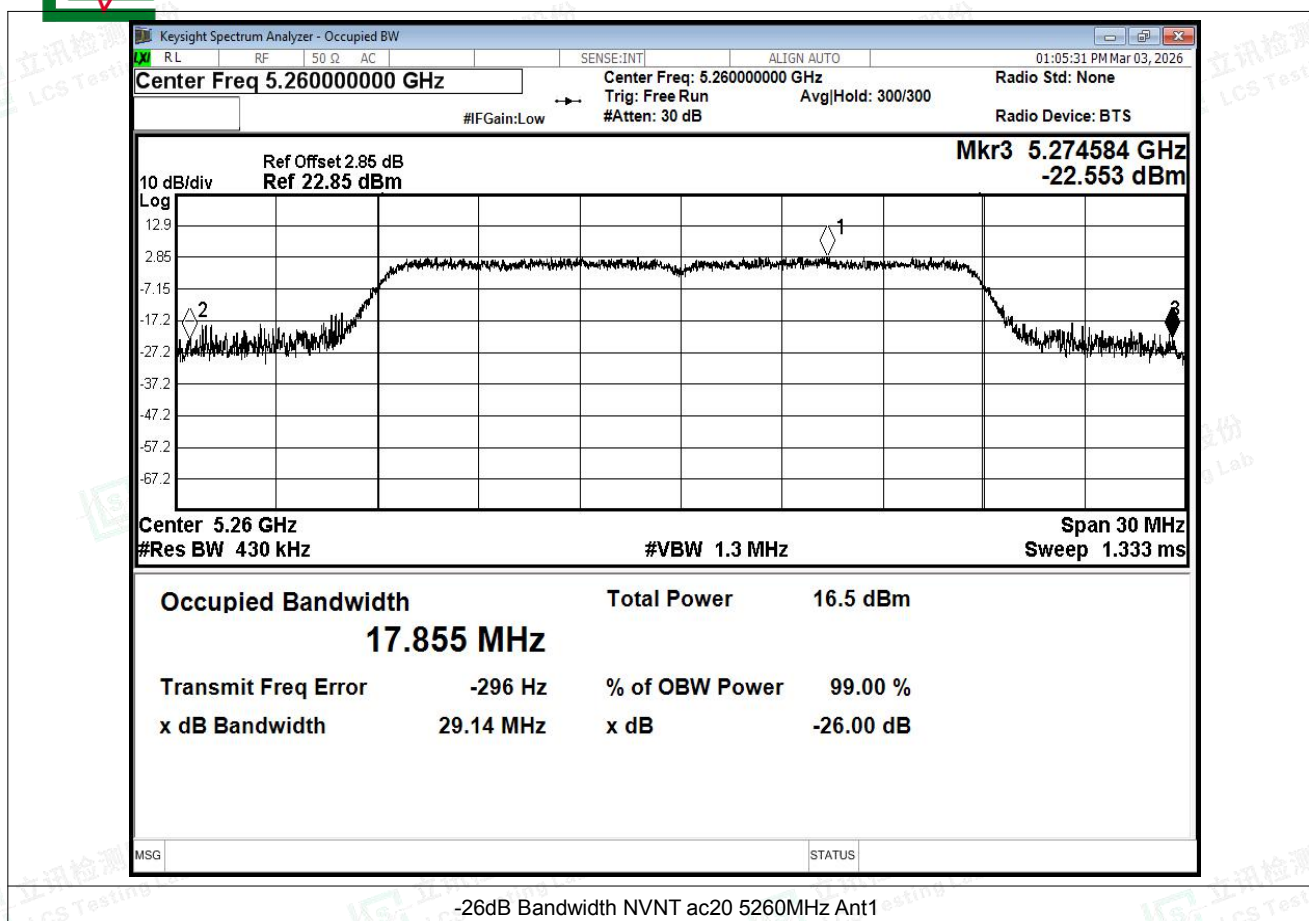


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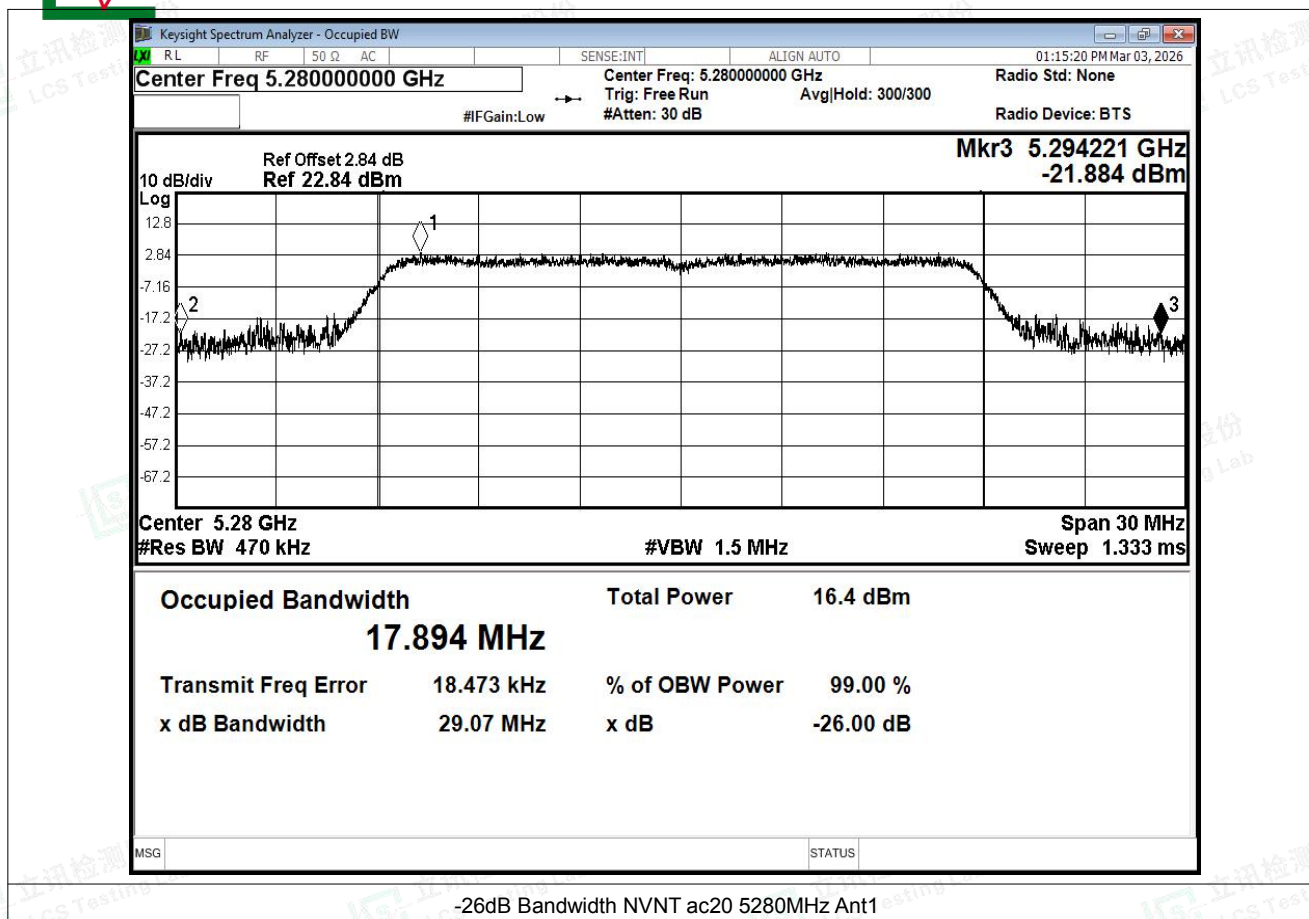


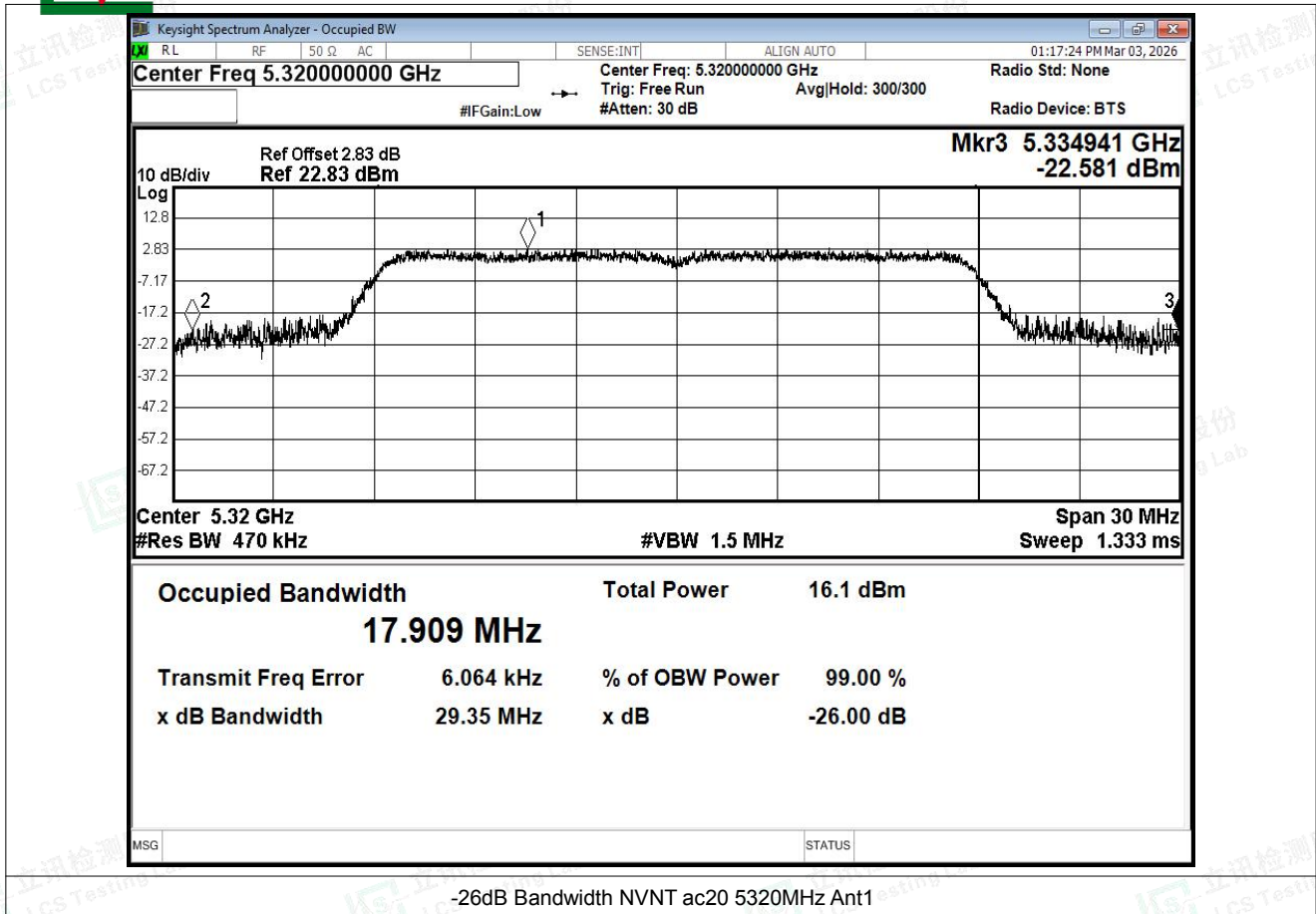
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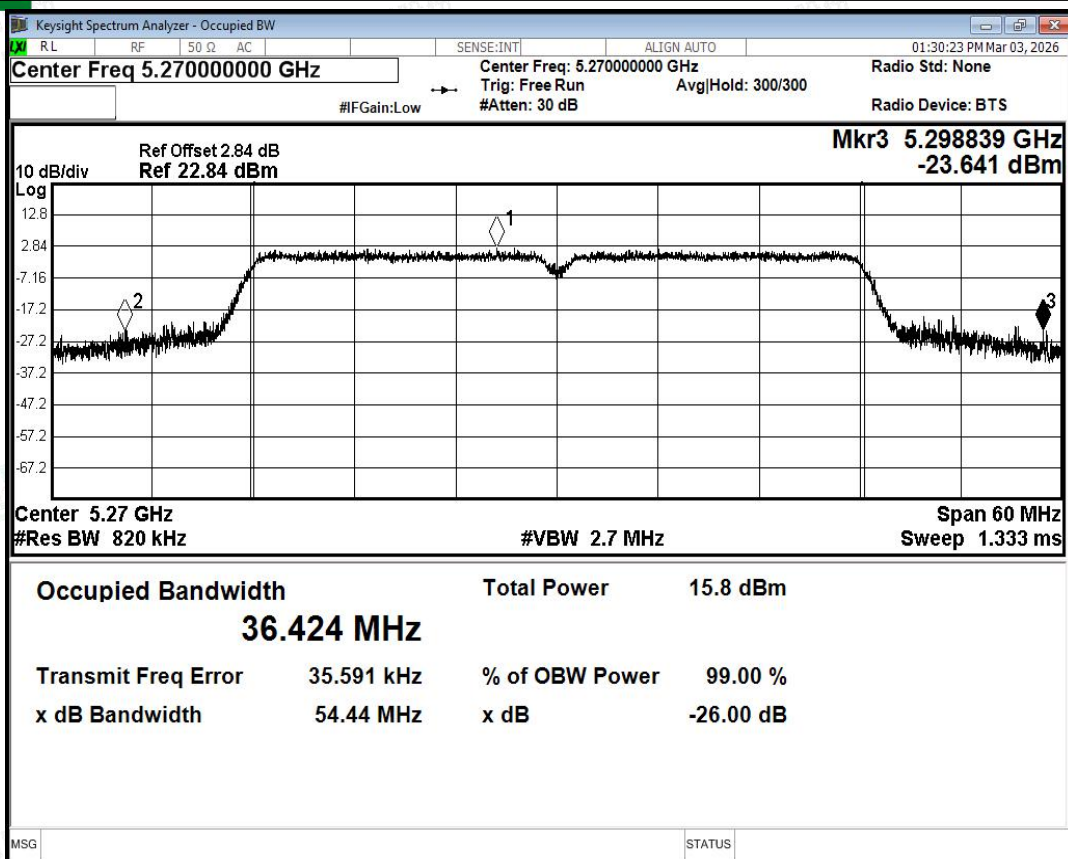


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-26dB Bandwidth NVNT ac40 5270MHz Ant1

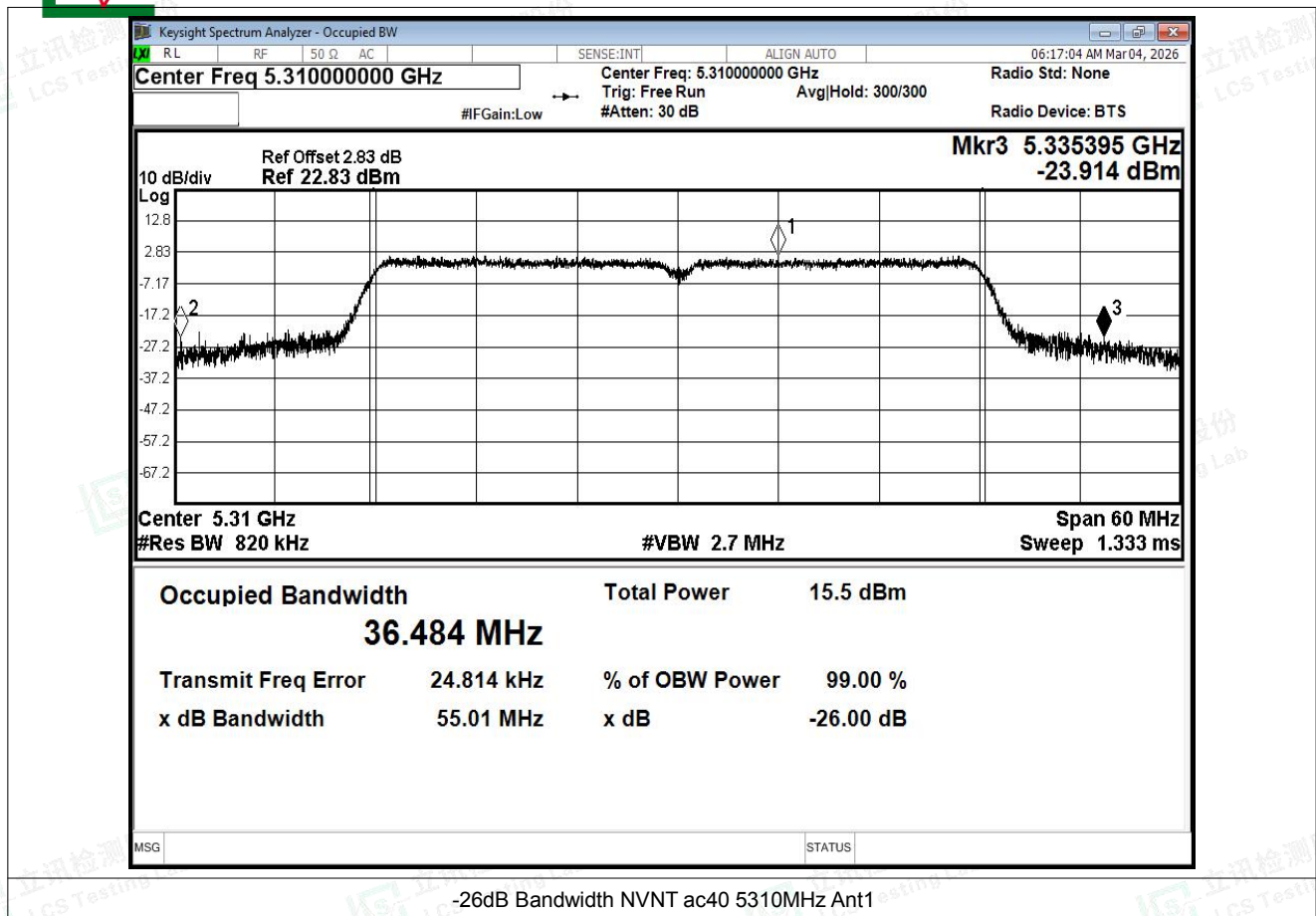


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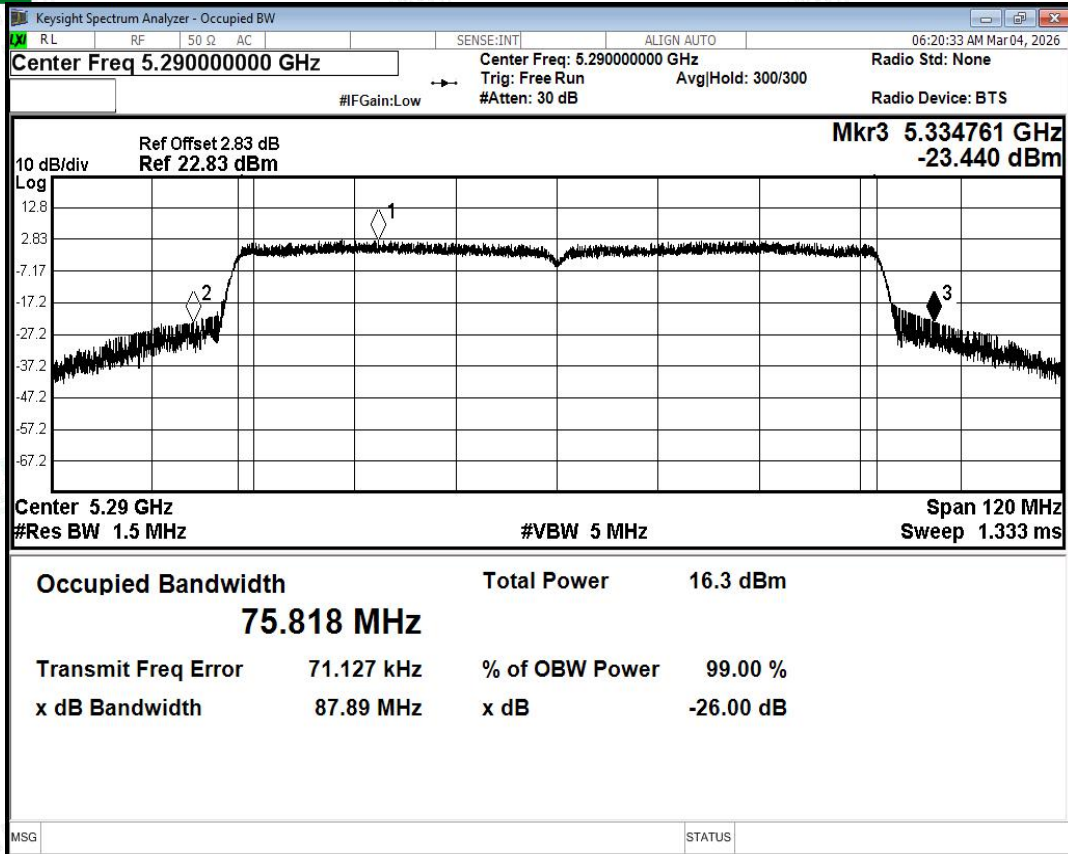


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-26dB Bandwidth NVNT ac80 5290MHz Ant1

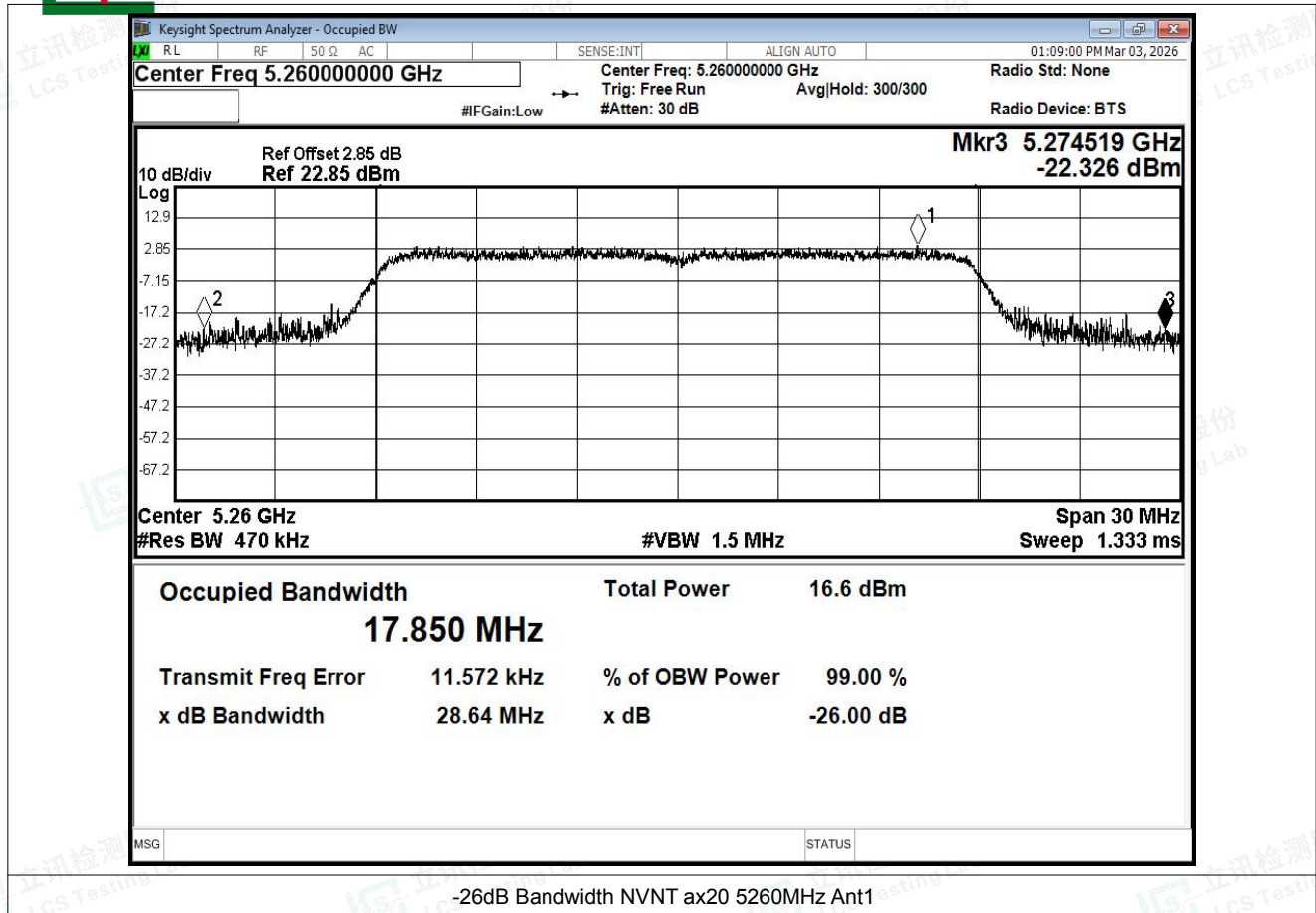


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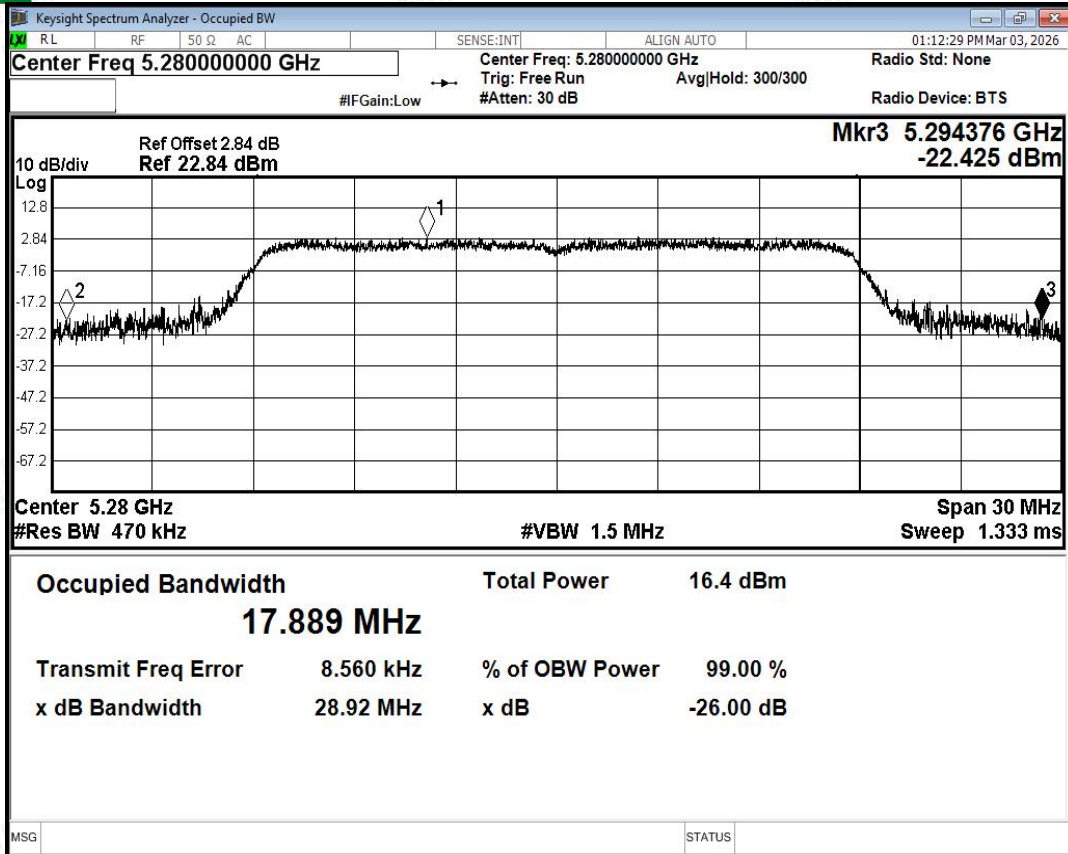


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-26dB Bandwidth NVNT ax20 5280MHz Ant1

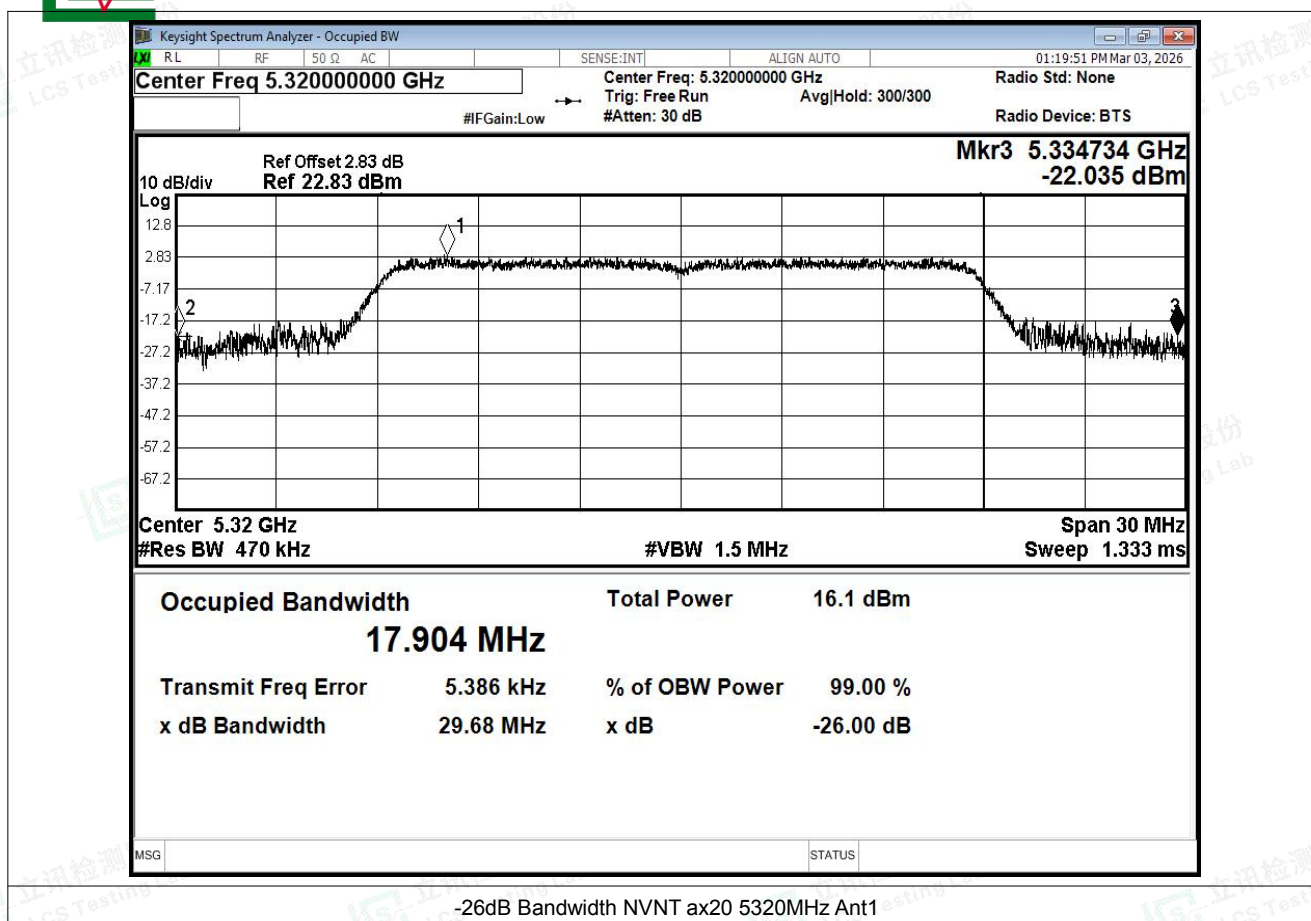


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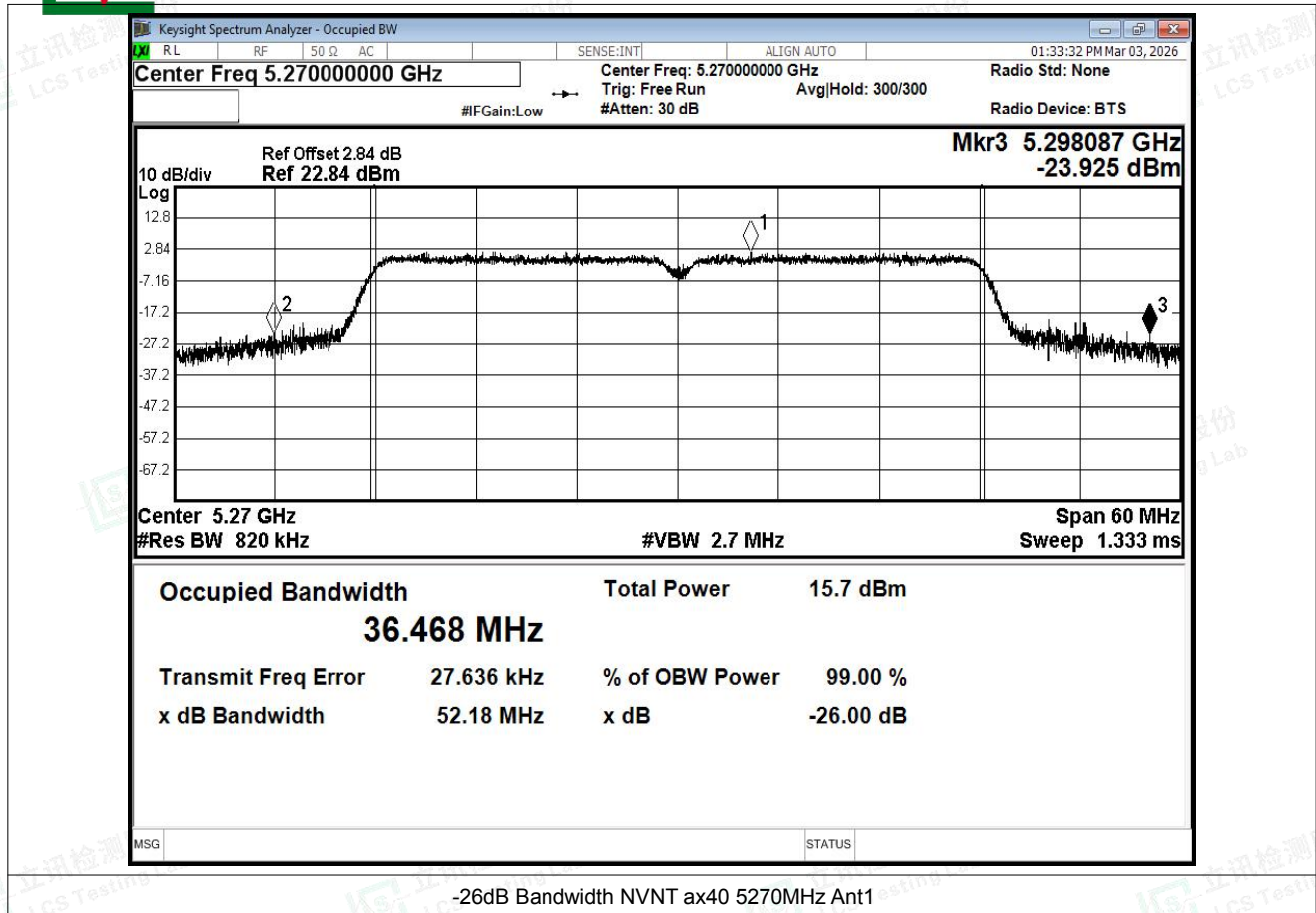


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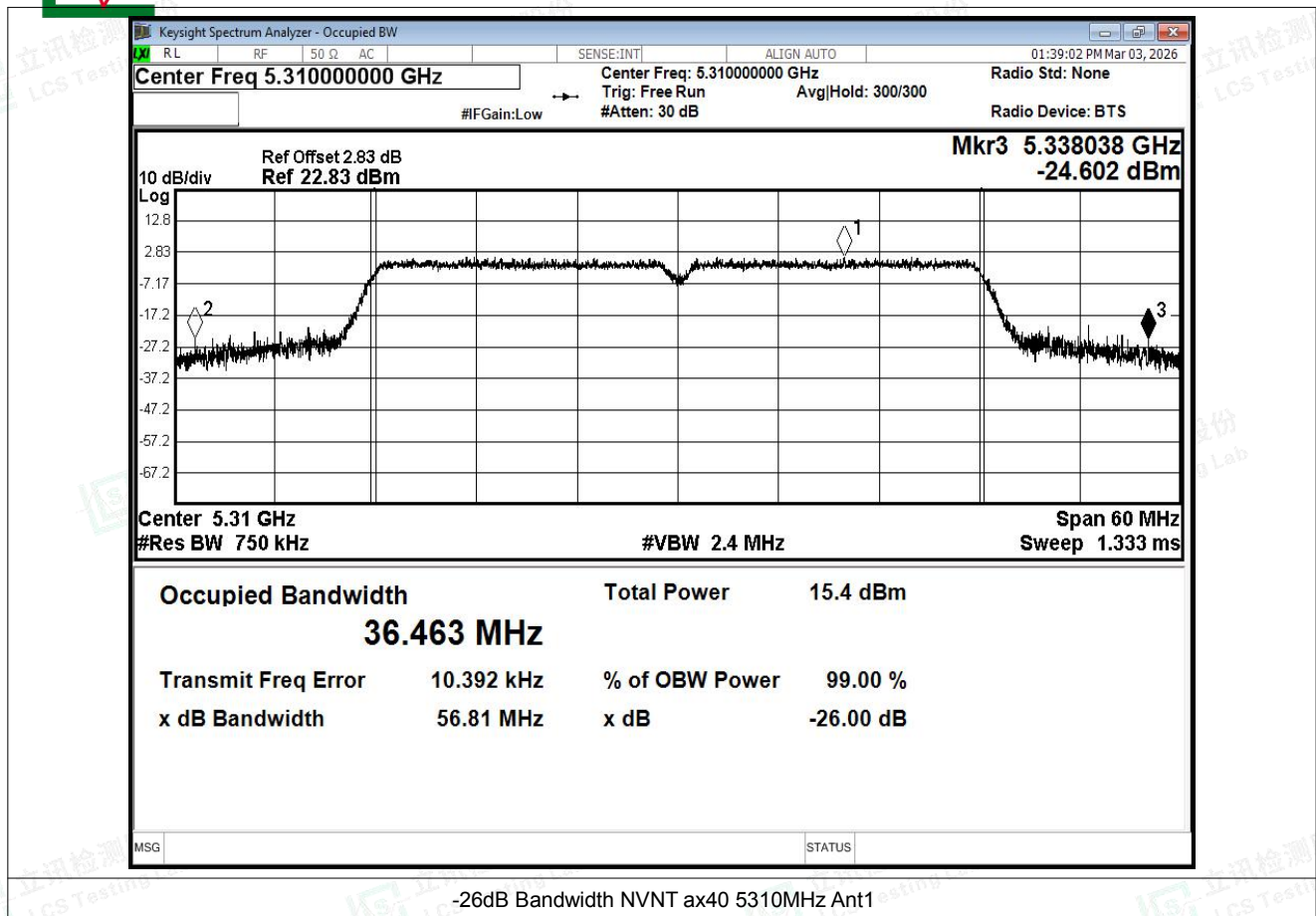


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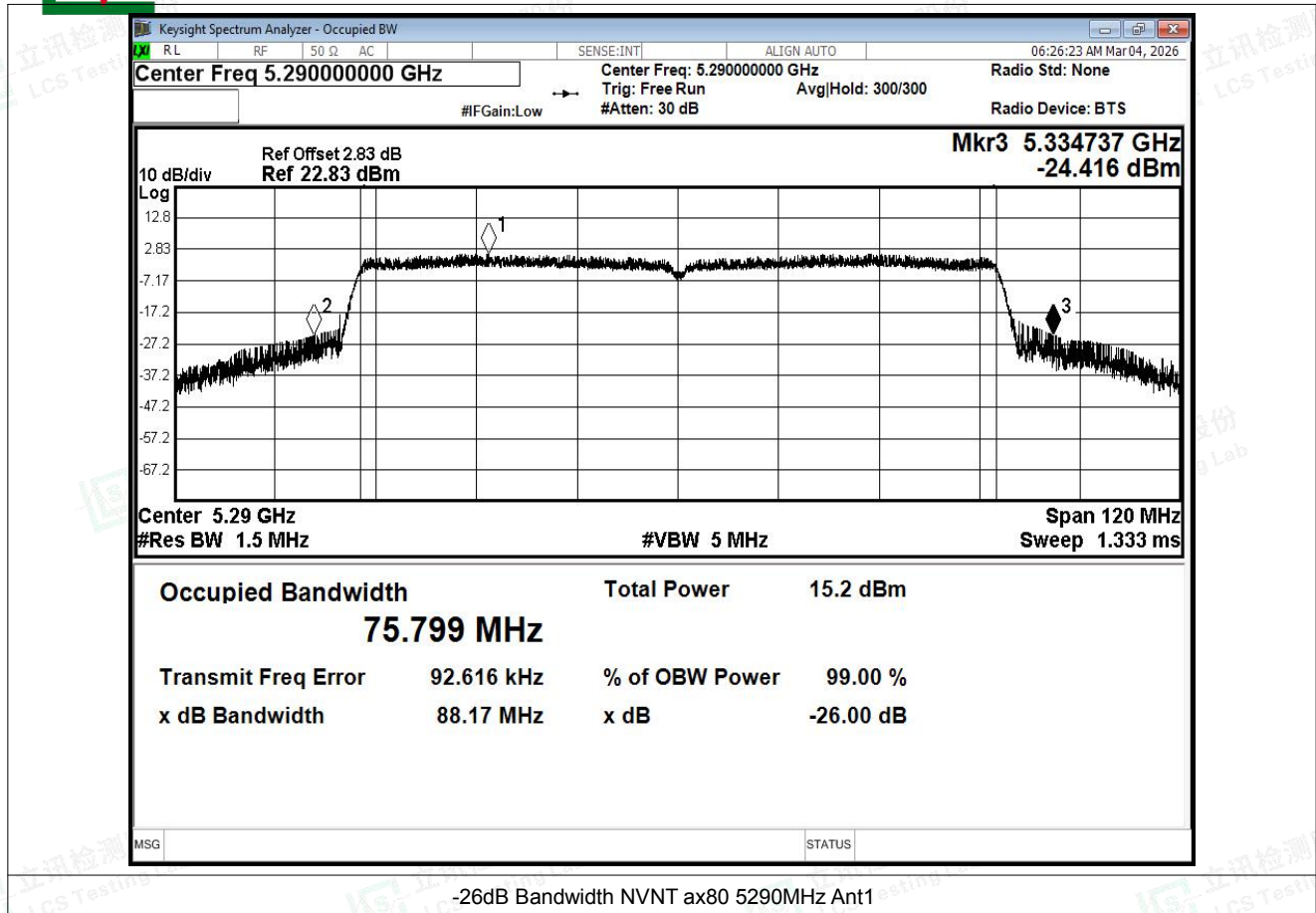


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E.2 Maximum Conducted Output Power

26-tone RU

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	ax20	5260	Ant1	12.73	0.11	12.84	24	Pass
NVNT	ax20	5280	Ant1	12.69	0.13	12.82	24	Pass
NVNT	ax20	5320	Ant1	12.72	0.11	12.83	24	Pass
NVNT	ax40	5270	Ant1	11.33	0.23	11.56	24	Pass
NVNT	ax40	5310	Ant1	11.29	0.27	11.56	24	Pass
NVNT	ax80	5290	Ant1	10.18	0.46	10.64	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	5260	Ant1	12.65	0.11	12.76	24	Pass
NVNT	ax20	5280	Ant1	12.34	0.13	12.47	24	Pass
NVNT	ax20	5320	Ant1	12.61	0.11	12.72	24	Pass
NVNT	ax40	5270	Ant1	11.29	0.23	11.52	24	Pass
NVNT	ax40	5310	Ant1	11.34	0.27	11.61	24	Pass
NVNT	ax80	5290	Ant1	10.42	0.46	10.88	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	5260	Ant1	12.61	0.11	12.72	24	Pass
NVNT	ax20	5280	Ant1	12.42	0.13	12.55	24	Pass
NVNT	ax20	5320	Ant1	12.48	0.11	12.59	24	Pass
NVNT	ax40	5270	Ant1	11.19	0.23	11.42	24	Pass
NVNT	ax40	5310	Ant1	11.32	0.27	11.59	24	Pass
NVNT	ax80	5290	Ant1	10.20	0.46	10.66	24	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	5260	Ant1	12.39	0.11	12.50	24	Pass
NVNT	ax20	5280	Ant1	12.51	0.13	12.64	24	Pass
NVNT	ax20	5320	Ant1	12.41	0.11	12.52	24	Pass
NVNT	ax40	5270	Ant1	11.11	0.23	11.34	24	Pass
NVNT	ax40	5310	Ant1	11.29	0.27	11.56	24	Pass



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NVNT	ax80	5290	Ant1	10.43	0.46	10.89	24	Pass
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484-tone RU

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	ax40	5270	Ant1	11.99	0.23	12.22	24	Pass
NVNT	ax40	5310	Ant1	12.07	0.27	12.34	24	Pass
NVNT	ax80	5290	Ant1	9.78	0.46	10.24	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	5290	Ant1	9.36	0.46	9.82	24	Pass





Full RU

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	a	5260	Ant1	13.11	0.1	13.21	24	Pass
NVNT	a	5280	Ant1	12.99	0.11	13.1	24	Pass
NVNT	a	5320	Ant1	12.62	0.1	12.72	24	Pass
NVNT	n20	5260	Ant1	12.49	0.13	12.62	24	Pass
NVNT	n20	5280	Ant1	9.74	0.11	9.85	24	Pass
NVNT	n20	5320	Ant1	12.17	0.13	12.3	24	Pass
NVNT	n40	5270	Ant1	11.19	0.23	11.42	24	Pass
NVNT	n40	5310	Ant1	11.09	0.27	11.36	24	Pass
NVNT	ac20	5260	Ant1	12.68	0.11	12.79	24	Pass
NVNT	ac20	5280	Ant1	12.45	0.11	12.56	24	Pass
NVNT	ac20	5320	Ant1	12.22	0.11	12.33	24	Pass
NVNT	ac40	5270	Ant1	11.26	0.23	11.49	24	Pass
NVNT	ac40	5310	Ant1	11.09	0.23	11.32	24	Pass
NVNT	ac80	5290	Ant1	10.13	0.46	10.59	24	Pass
NVNT	ax20	5260	Ant1	12.63	0.11	12.74	24	Pass
NVNT	ax20	5280	Ant1	12.57	0.13	12.7	24	Pass
NVNT	ax20	5320	Ant1	12.17	0.11	12.28	24	Pass
NVNT	ax40	5270	Ant1	11.24	0.23	11.47	24	Pass
NVNT	ax40	5310	Ant1	11.06	0.27	11.33	24	Pass
NVNT	ax80	5290	Ant1	10.16	0.46	10.62	24	Pass



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E.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5260	Ant1	0	0.1	0.1	11	Pass
NVNT	a	5280	Ant1	-1.06	0.11	-0.95	11	Pass
NVNT	a	5320	Ant1	-1.31	0.1	-1.21	11	Pass
NVNT	n20	5260	Ant1	-0.82	0.13	-0.69	11	Pass
NVNT	n20	5280	Ant1	-1.79	0.11	-1.68	11	Pass
NVNT	n20	5320	Ant1	-2.19	0.13	-2.06	11	Pass
NVNT	n40	5270	Ant1	-4.95	0.23	-4.72	11	Pass
NVNT	n40	5310	Ant1	-6.42	0.27	-6.15	11	Pass
NVNT	ac20	5260	Ant1	-1.63	0.11	-1.52	11	Pass
NVNT	ac20	5280	Ant1	-1.8	0.11	-1.69	11	Pass
NVNT	ac20	5320	Ant1	-2.05	0.11	-1.94	11	Pass
NVNT	ac40	5270	Ant1	-6.22	0.23	-5.99	11	Pass
NVNT	ac40	5310	Ant1	-6.26	0.23	-6.03	11	Pass
NVNT	ac80	5290	Ant1	-9.03	0.46	-8.57	11	Pass
NVNT	ax20	5260	Ant1	-1.66	0.11	-1.55	11	Pass
NVNT	ax20	5280	Ant1	-1.79	0.13	-1.66	11	Pass
NVNT	ax20	5320	Ant1	-2.09	0.11	-1.98	11	Pass
NVNT	ax40	5270	Ant1	-6.21	0.23	-5.98	11	Pass
NVNT	ax40	5310	Ant1	-6.26	0.27	-5.99	11	Pass
NVNT	ax80	5290	Ant1	-10.2	0.46	-9.74	11	Pass

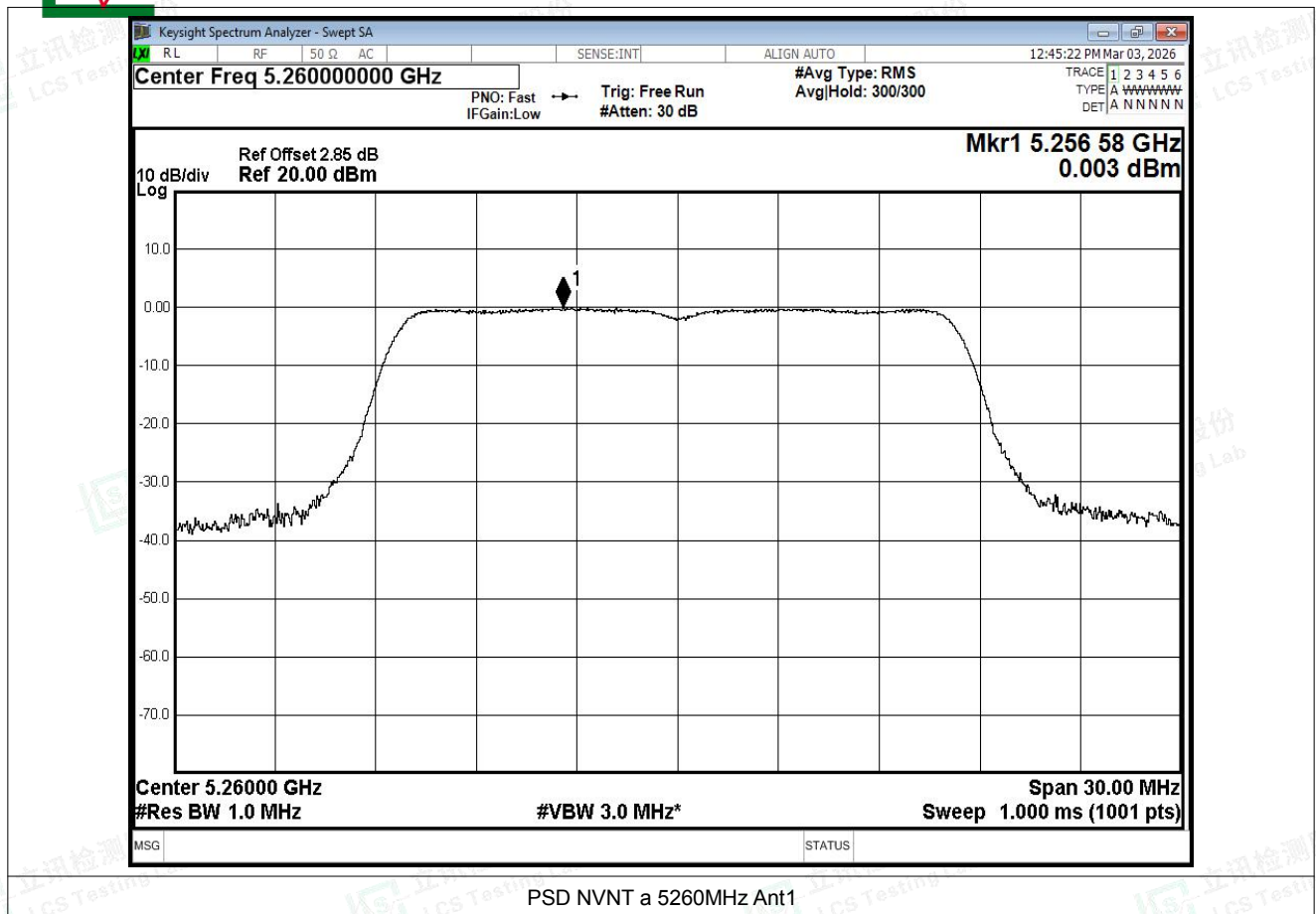


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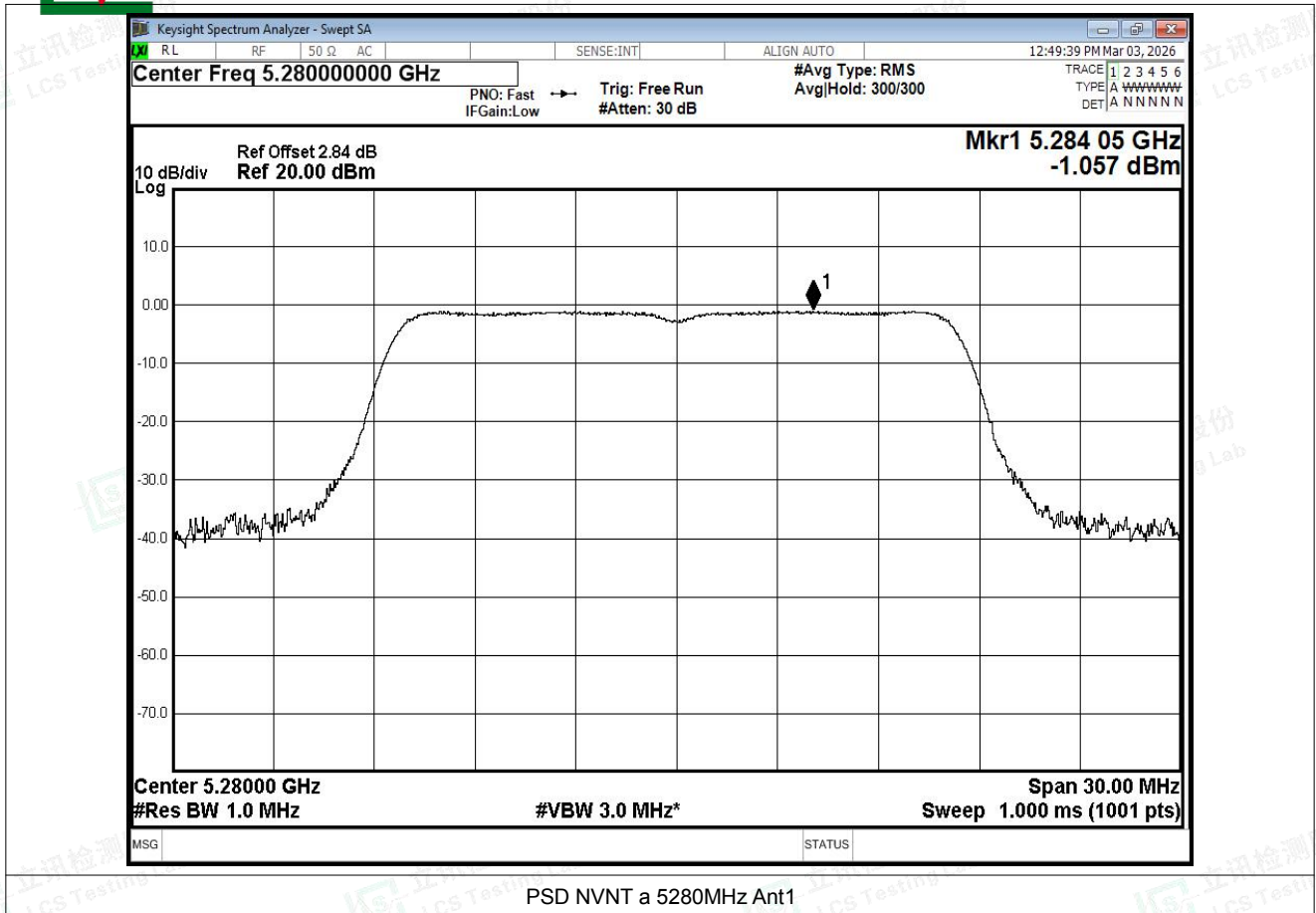


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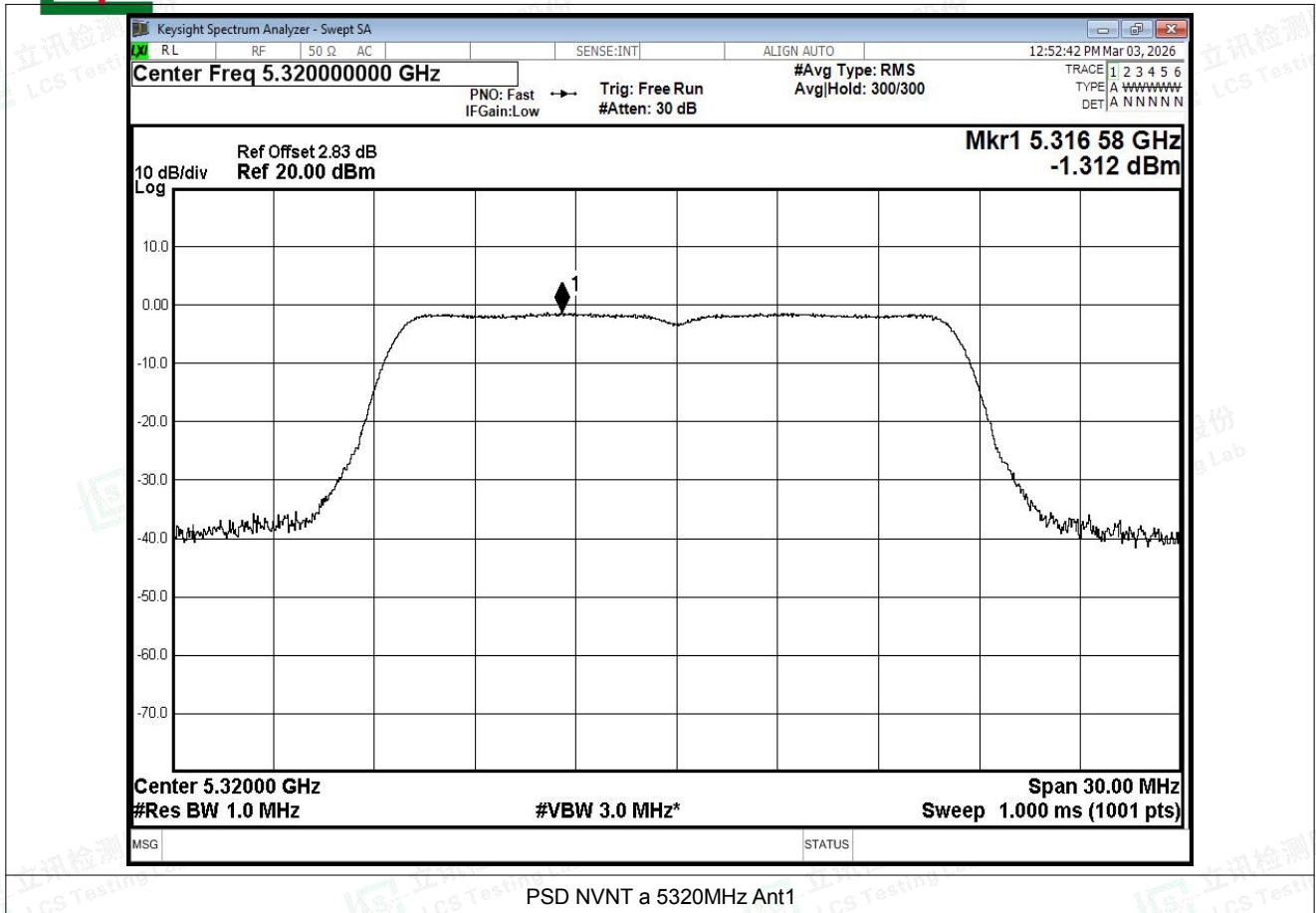


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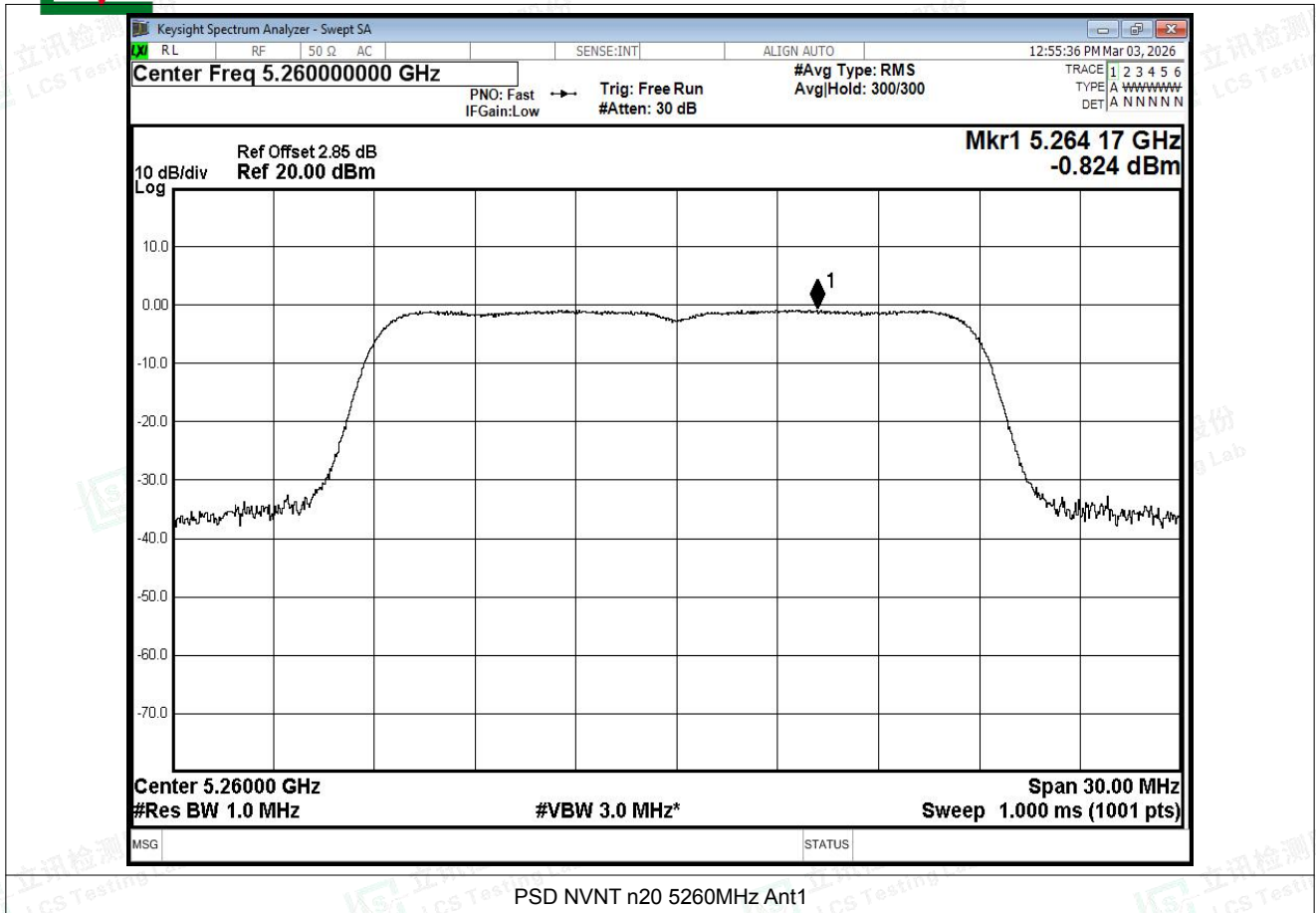


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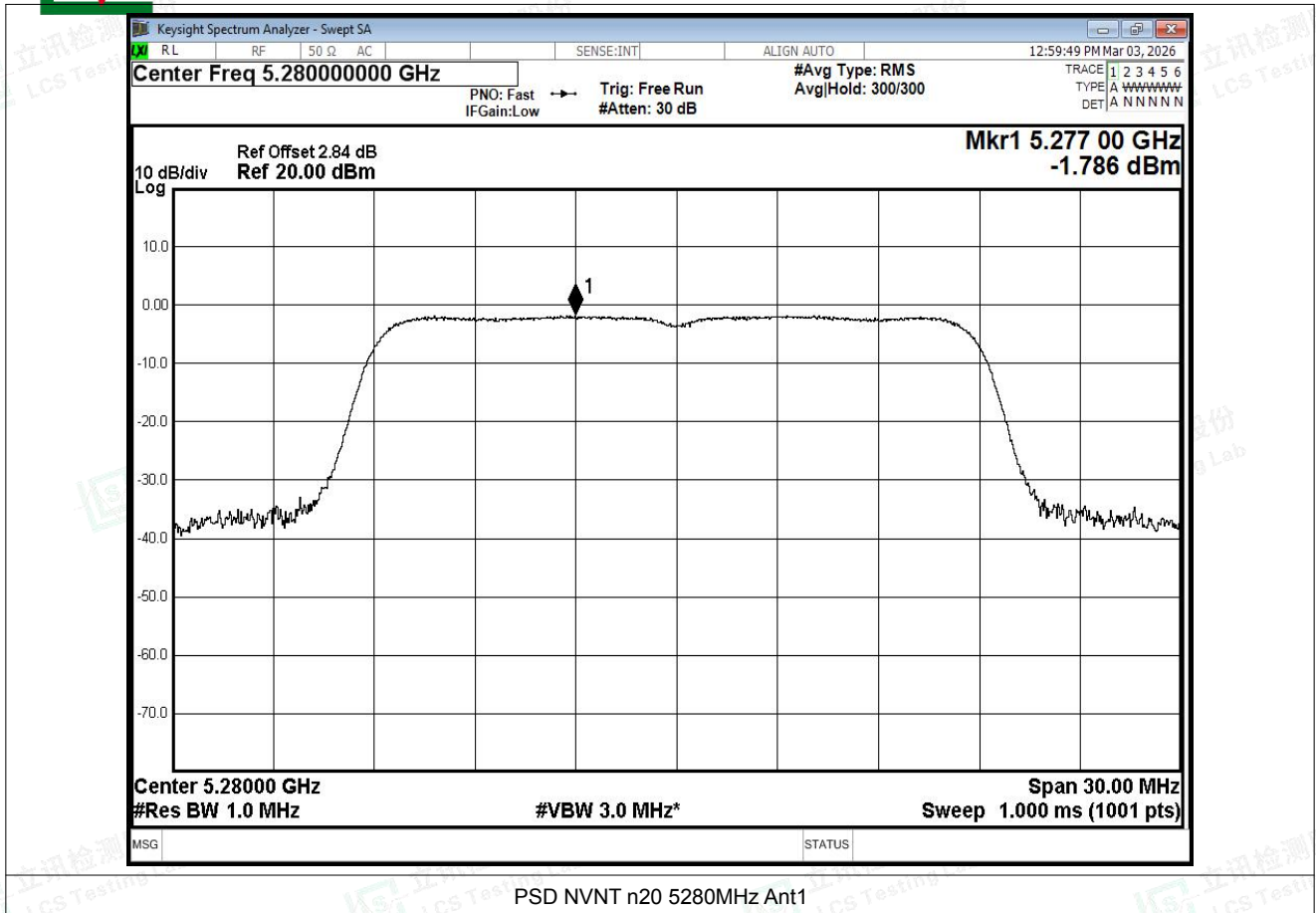


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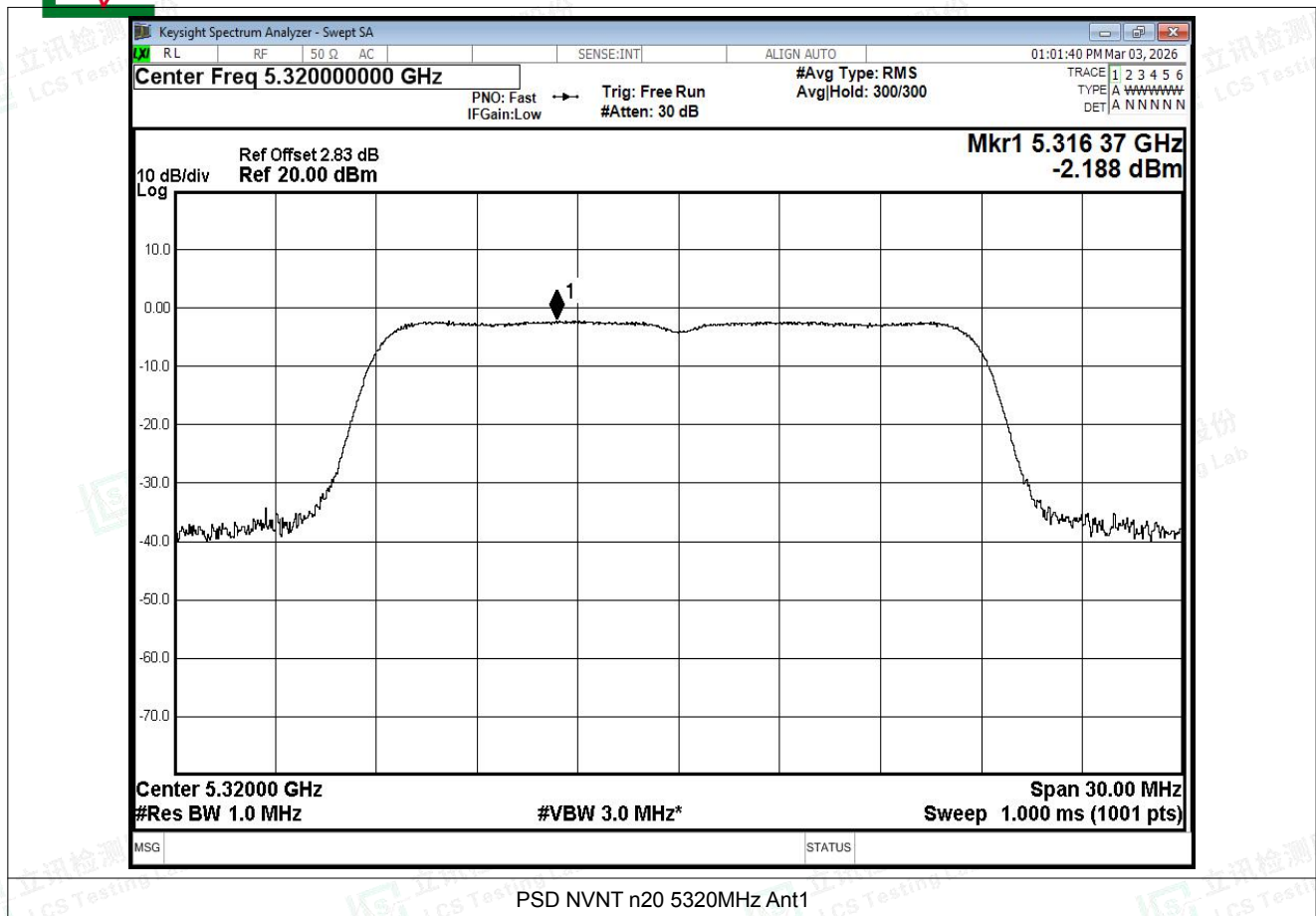


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