



## Appendix E

### RF Test Data for 5.3GWIFI(Conducted Measurement)

Product Name: Digital Projector

Test Model: NeoPix 550 Smart

#### Environmental Conditions

Temperature:	26.3° C
Relative Humidity:	52.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng





### E.1 -26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant0	26.309	---	Pass
NVNT	a	5300	Ant0	25.503	---	Pass
NVNT	a	5320	Ant0	25.975	---	Pass
NVNT	n20	5260	Ant0	29.186	---	Pass
NVNT	n20	5300	Ant0	27.79	---	Pass
NVNT	n20	5320	Ant0	26.912	---	Pass
NVNT	n40	5270	Ant0	40.805	---	Pass
NVNT	n40	5310	Ant0	44.301	---	Pass
NVNT	ac20	5260	Ant0	27.663	---	Pass
NVNT	ac20	5300	Ant0	29.038	---	Pass
NVNT	ac20	5320	Ant0	27.988	---	Pass
NVNT	ac40	5270	Ant0	48.676	---	Pass
NVNT	ac40	5310	Ant0	46.12	---	Pass
NVNT	ax20	5260	Ant0	27.47	---	Pass
NVNT	ax20	5300	Ant0	28.522	---	Pass
NVNT	ax20	5320	Ant0	28.02	---	Pass
NVNT	ax40	5270	Ant0	44.049	---	Pass
NVNT	ax40	5310	Ant0	45.059	---	Pass

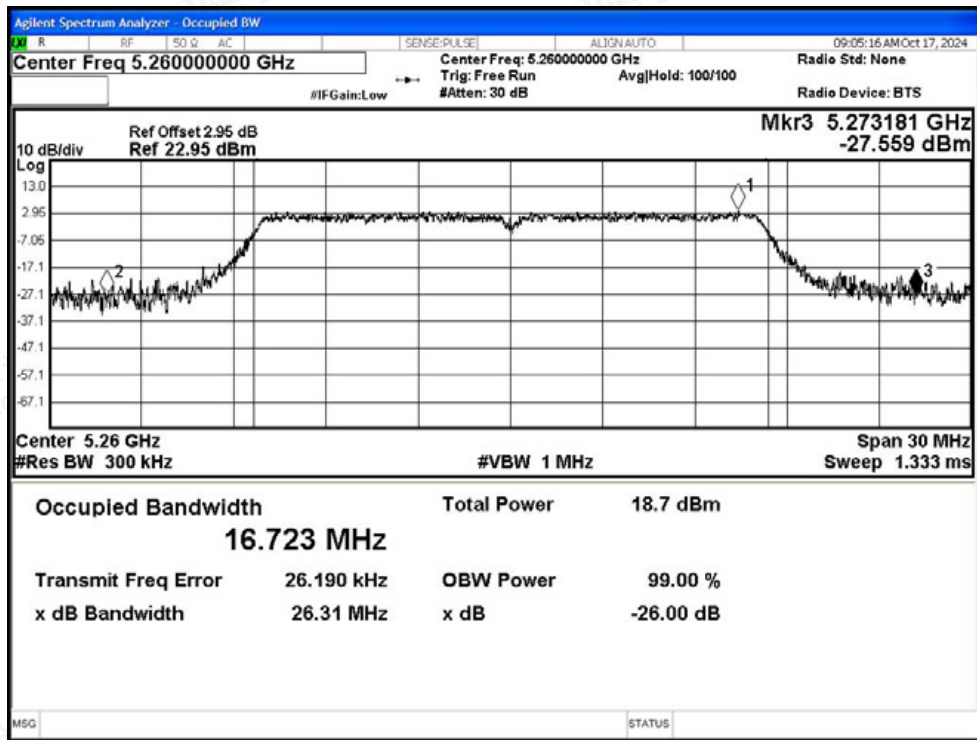


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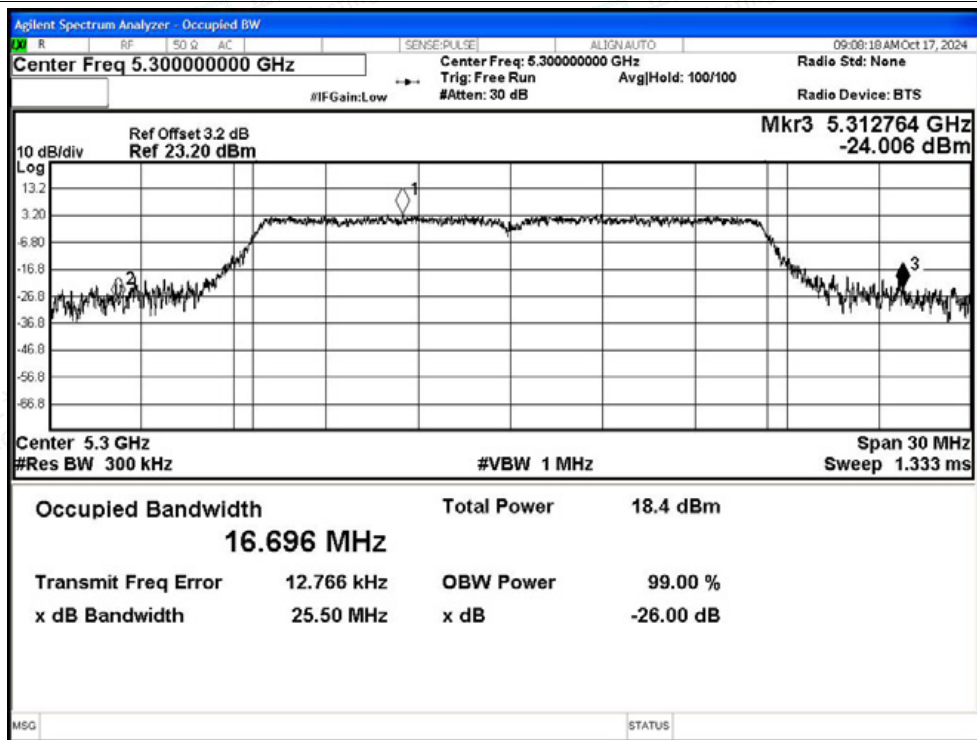


Test Graphs

-26dB Bandwidth NVNT a 5260MHz Ant0

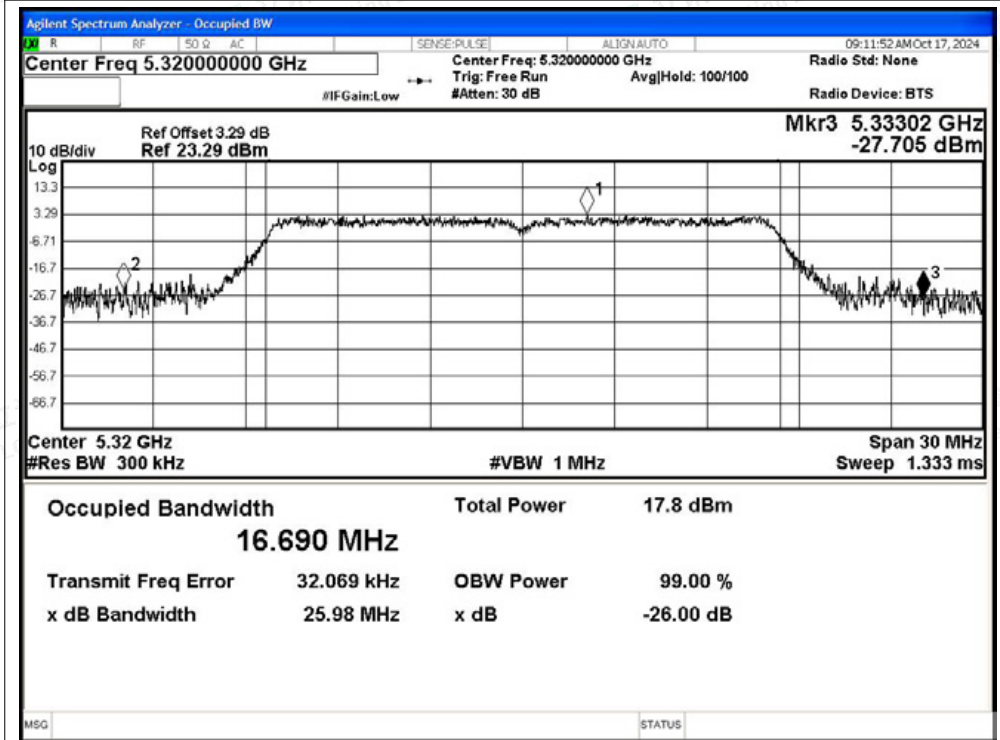


-26dB Bandwidth NVNT a 5300MHz Ant0

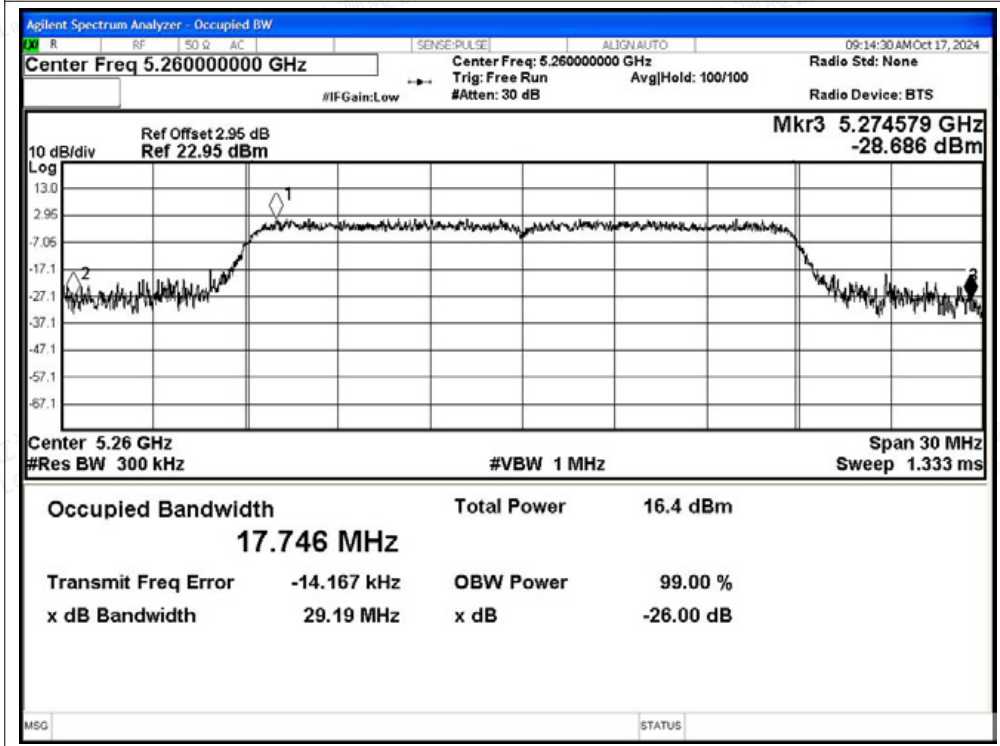




-26dB Bandwidth NVNT a 5320MHz Ant0

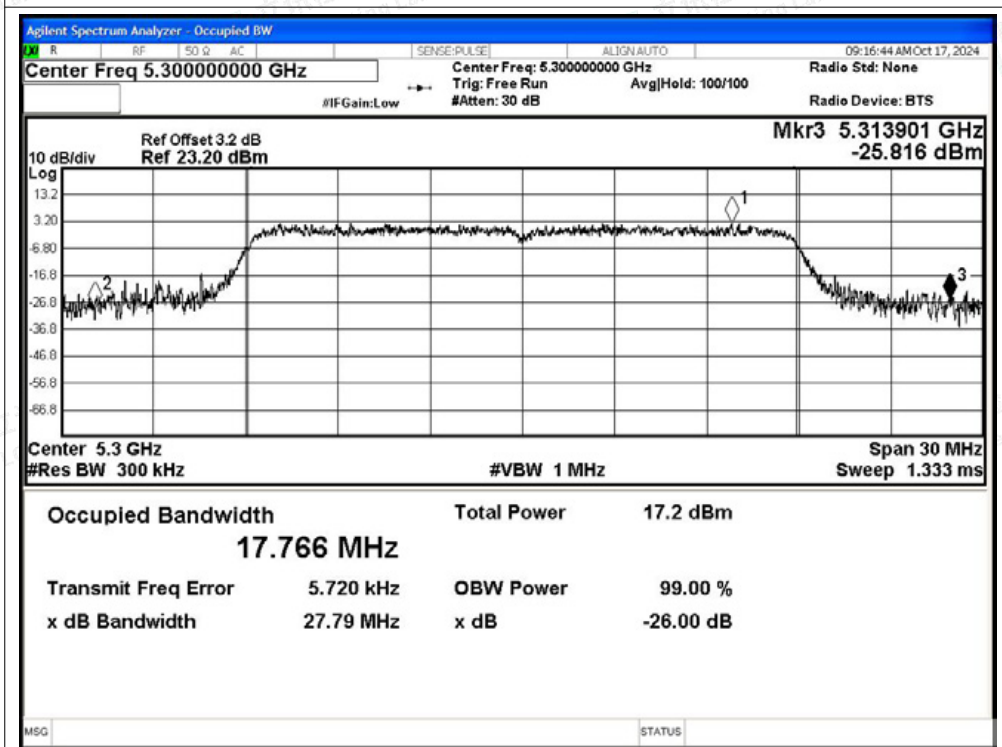


-26dB Bandwidth NVNT n20 5260MHz Ant0

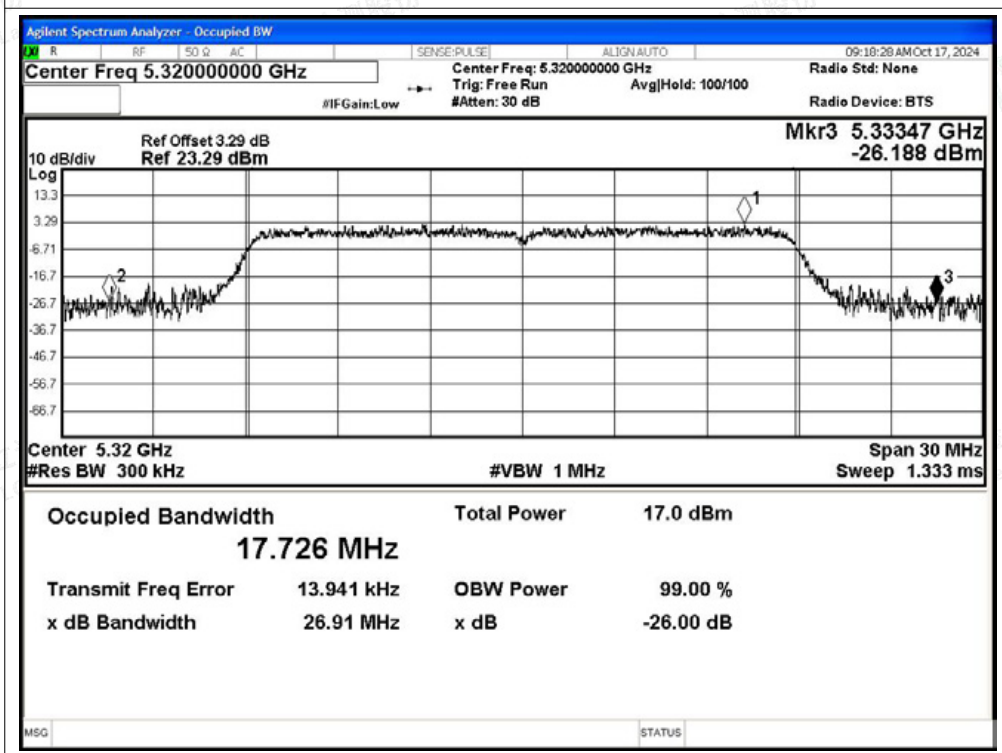




-26dB Bandwidth NVNT n20 5300MHz Ant0

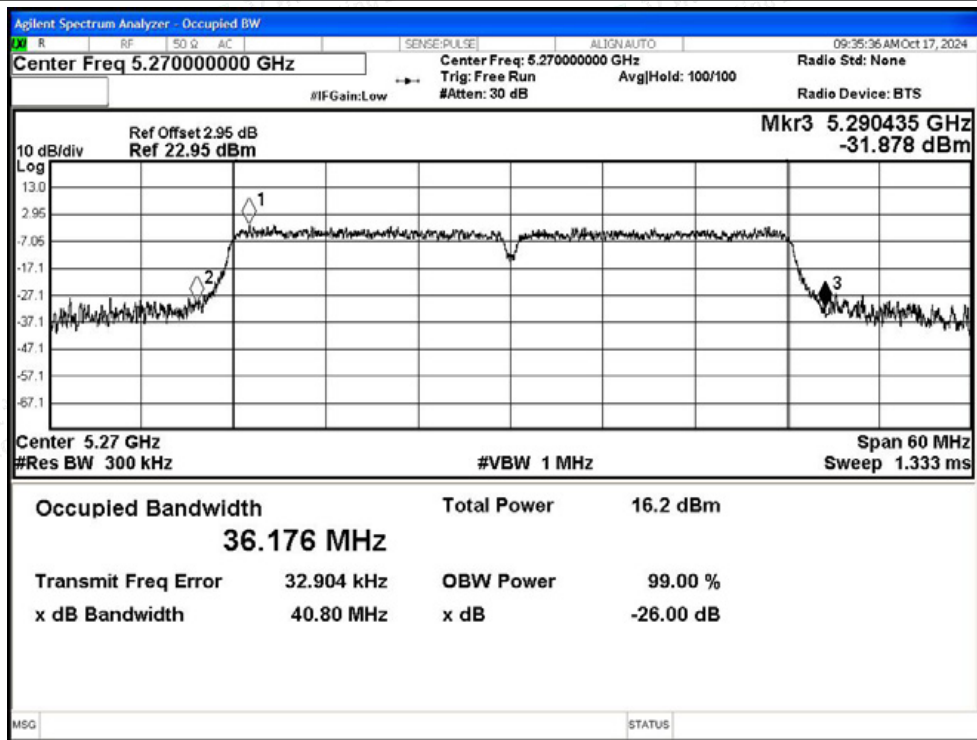


-26dB Bandwidth NVNT n20 5320MHz Ant0

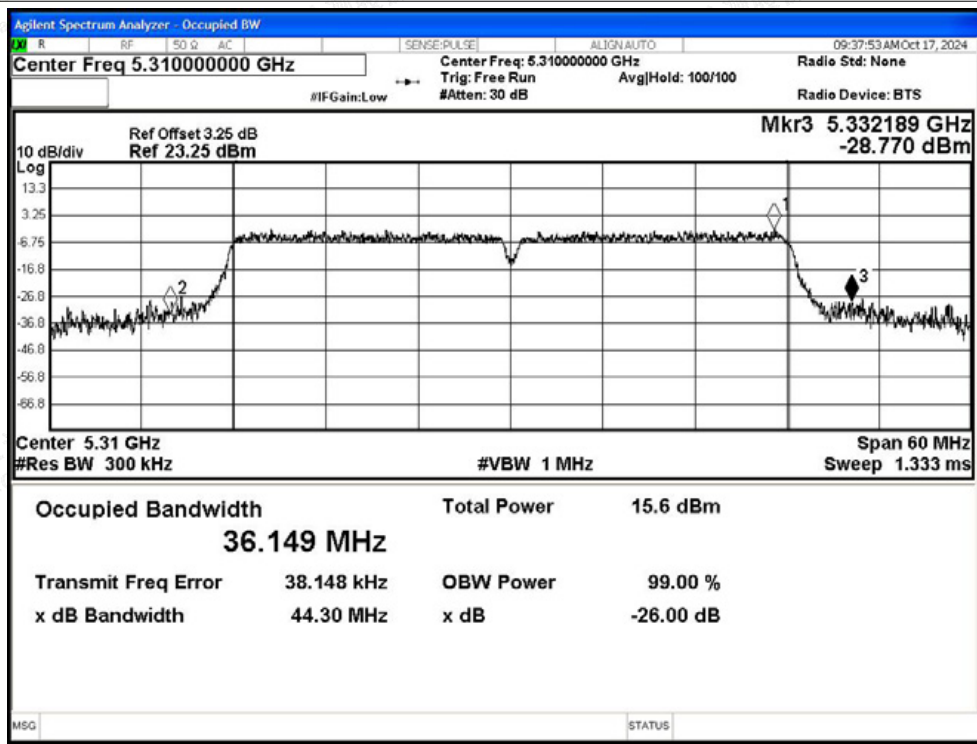




-26dB Bandwidth NVNT n40 5270MHz Ant0

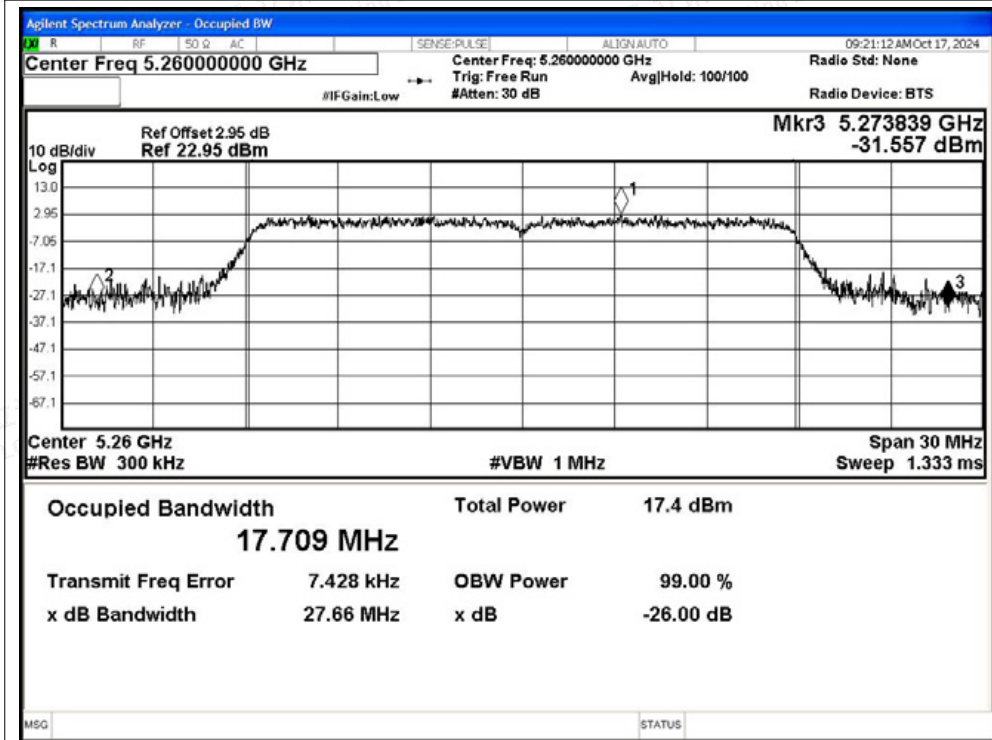


-26dB Bandwidth NVNT n40 5310MHz Ant0

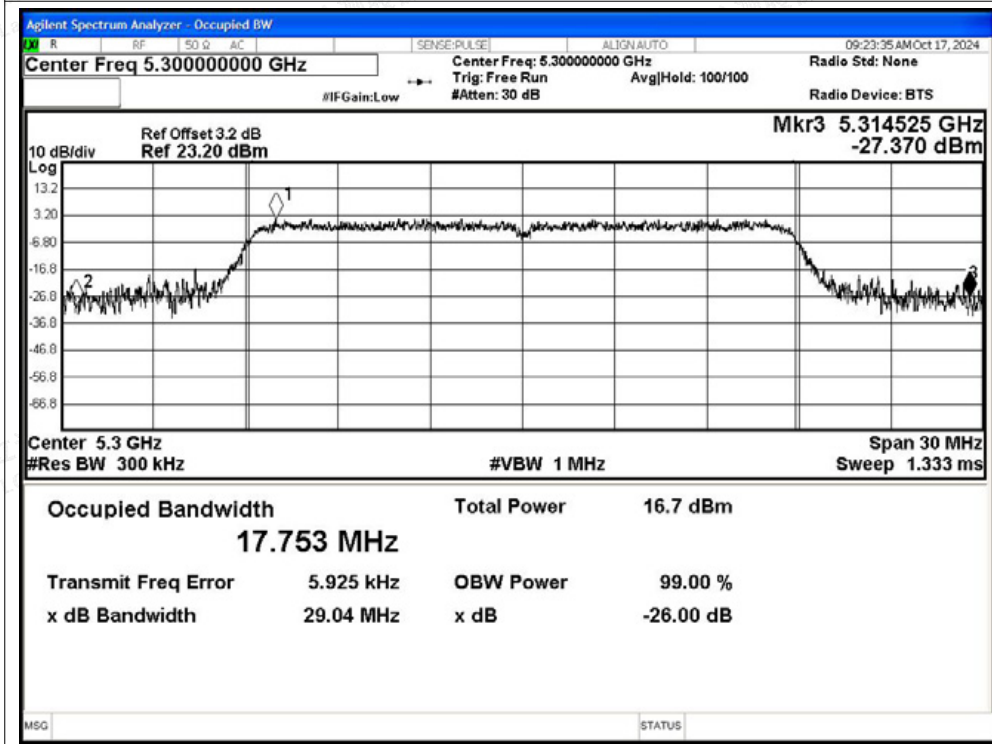




-26dB Bandwidth NVNT ac20 5260MHz Ant0

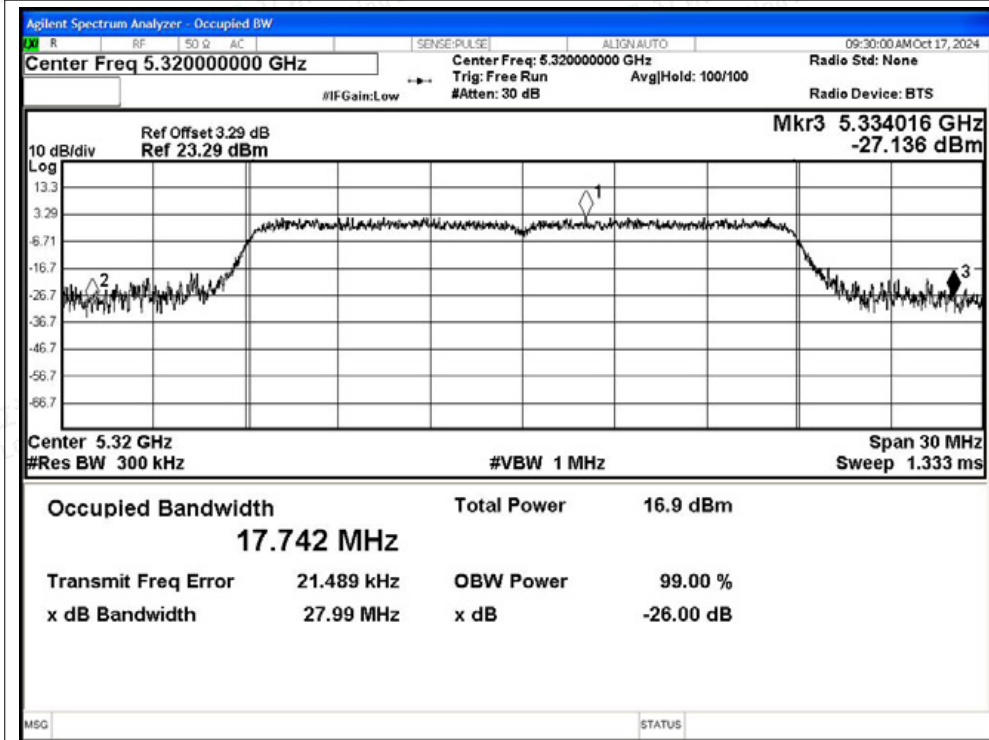


-26dB Bandwidth NVNT ac20 5300MHz Ant0

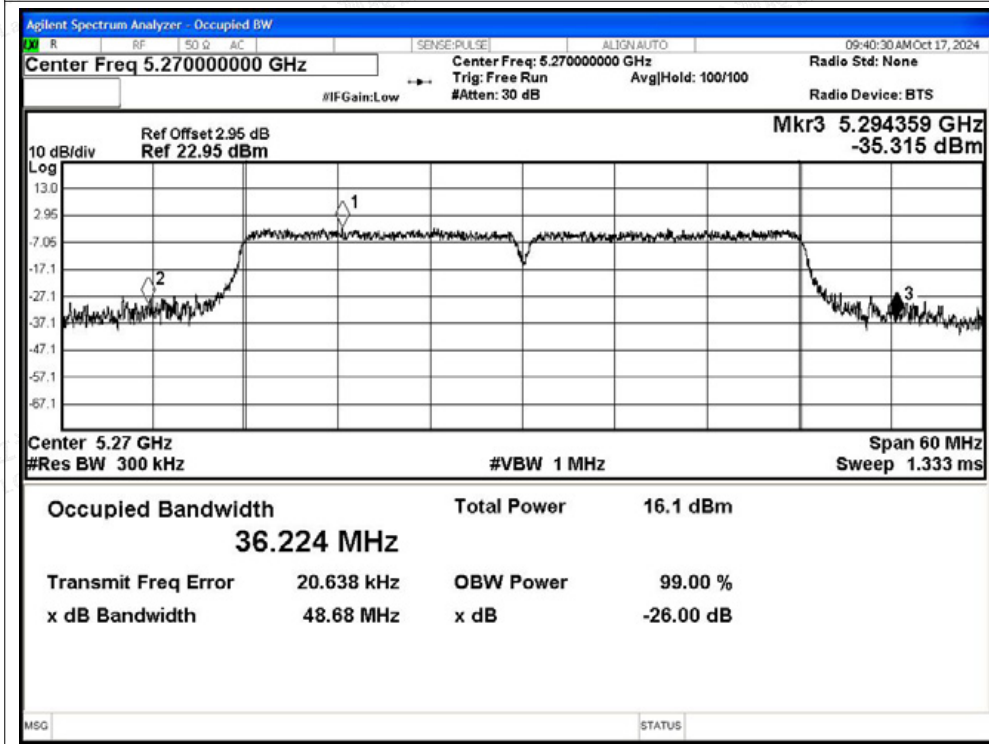




-26dB Bandwidth NVNT ac20 5320MHz Ant0



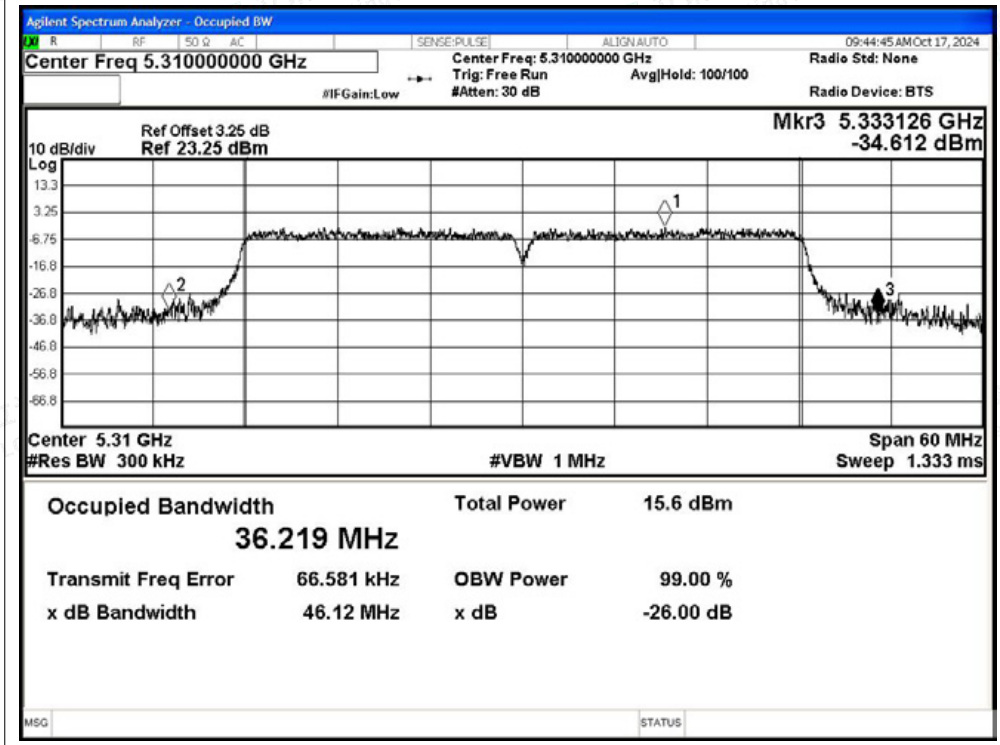
-26dB Bandwidth NVNT ac40 5270MHz Ant0





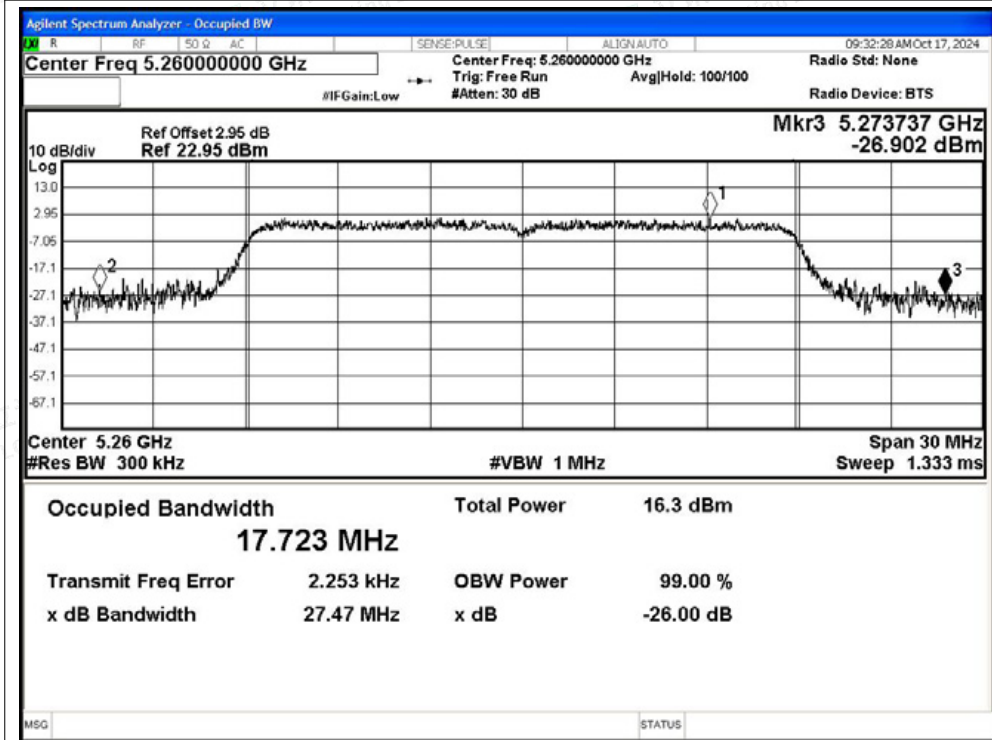


-26dB Bandwidth NVNT ac40 5310MHz Ant0

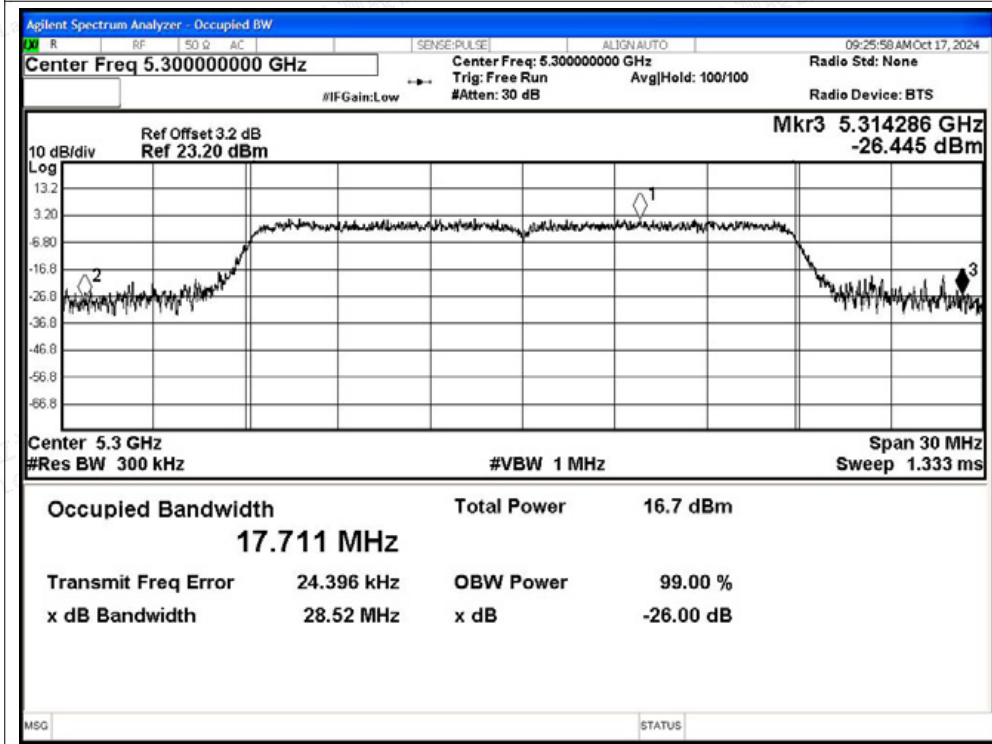




-26dB Bandwidth NVNT ax20 5260MHz Ant0

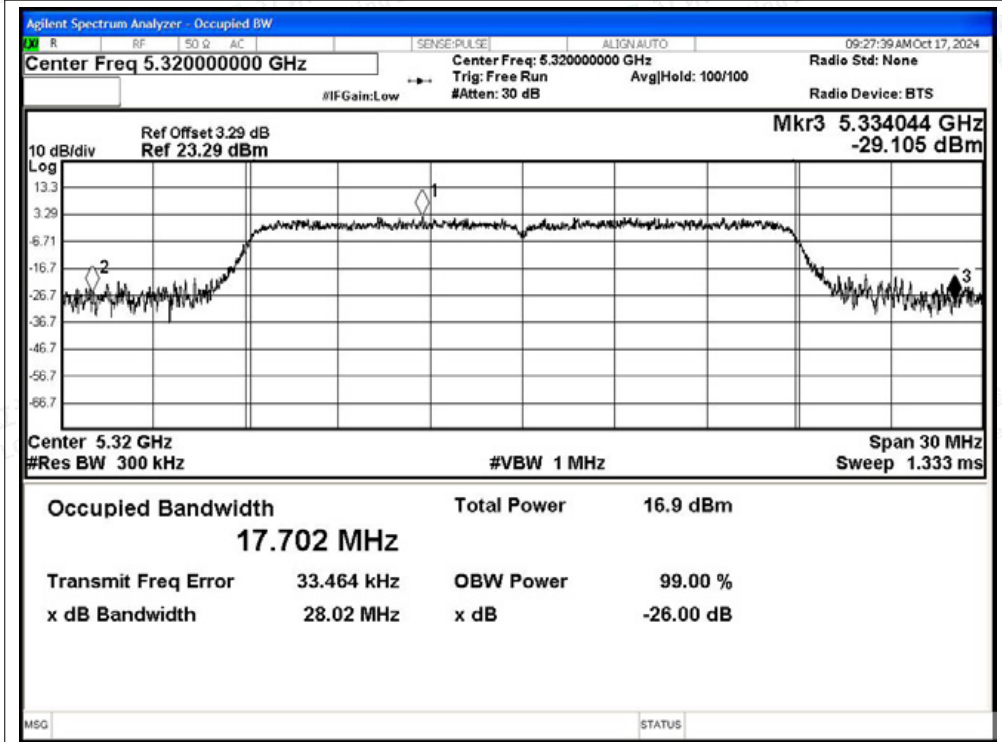


-26dB Bandwidth NVNT ax20 5300MHz Ant0

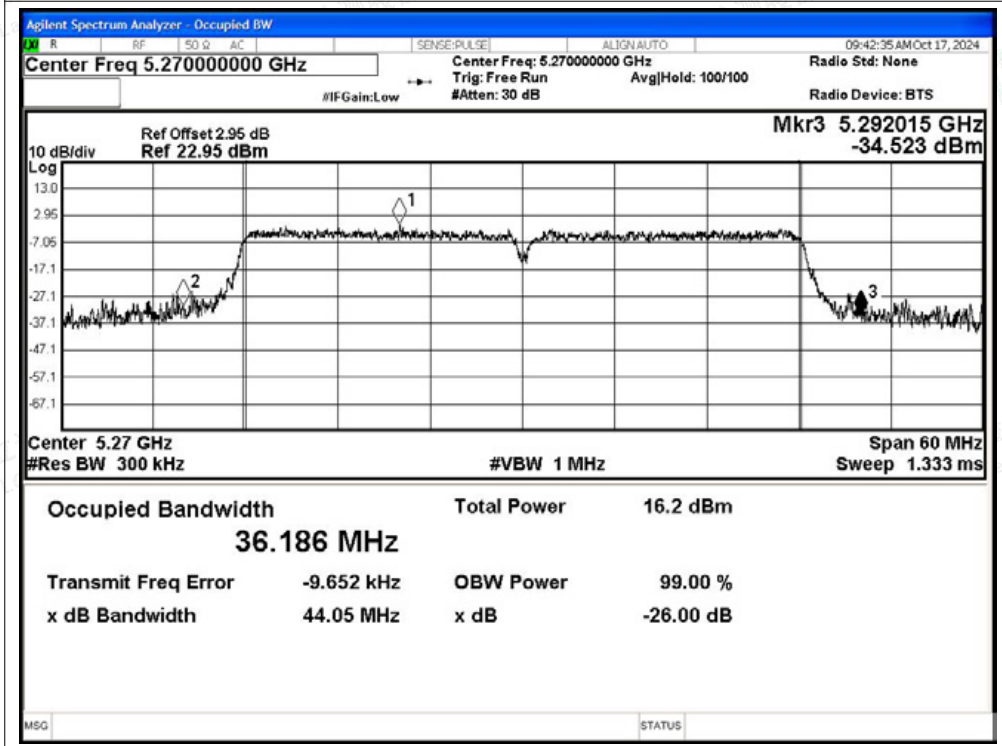




-26dB Bandwidth NVNT ax20 5320MHz Ant0

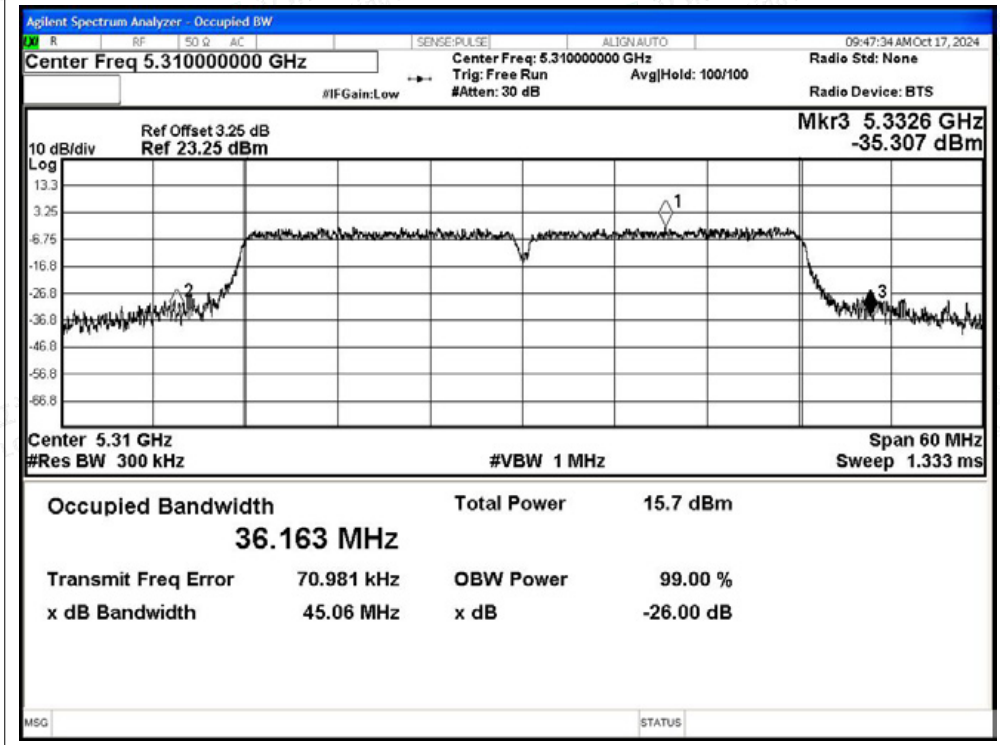


-26dB Bandwidth NVNT ax40 5270MHz Ant0





-26dB Bandwidth NVNT ax40 5310MHz Ant0





Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	25.196	---	Pass
NVNT	a	5300	Ant1	28.427	---	Pass
NVNT	a	5320	Ant1	27.322	---	Pass
NVNT	n20	5260	Ant1	27.69	---	Pass
NVNT	n20	5300	Ant1	29.447	---	Pass
NVNT	n20	5320	Ant1	28.448	---	Pass
NVNT	n40	5270	Ant1	44.996	---	Pass
NVNT	n40	5310	Ant1	39.32	---	Pass
NVNT	ac20	5260	Ant1	28.89	---	Pass
NVNT	ac20	5300	Ant1	28.563	---	Pass
NVNT	ac20	5320	Ant1	27.892	---	Pass
NVNT	ac40	5270	Ant1	44.468	---	Pass
NVNT	ac40	5310	Ant1	44.447	---	Pass
NVNT	ax20	5260	Ant1	28.633	---	Pass
NVNT	ax20	5300	Ant1	27.113	---	Pass
NVNT	ax20	5320	Ant1	28.375	---	Pass
NVNT	ax40	5270	Ant1	44.932	---	Pass
NVNT	ax40	5310	Ant1	46.211	---	Pass

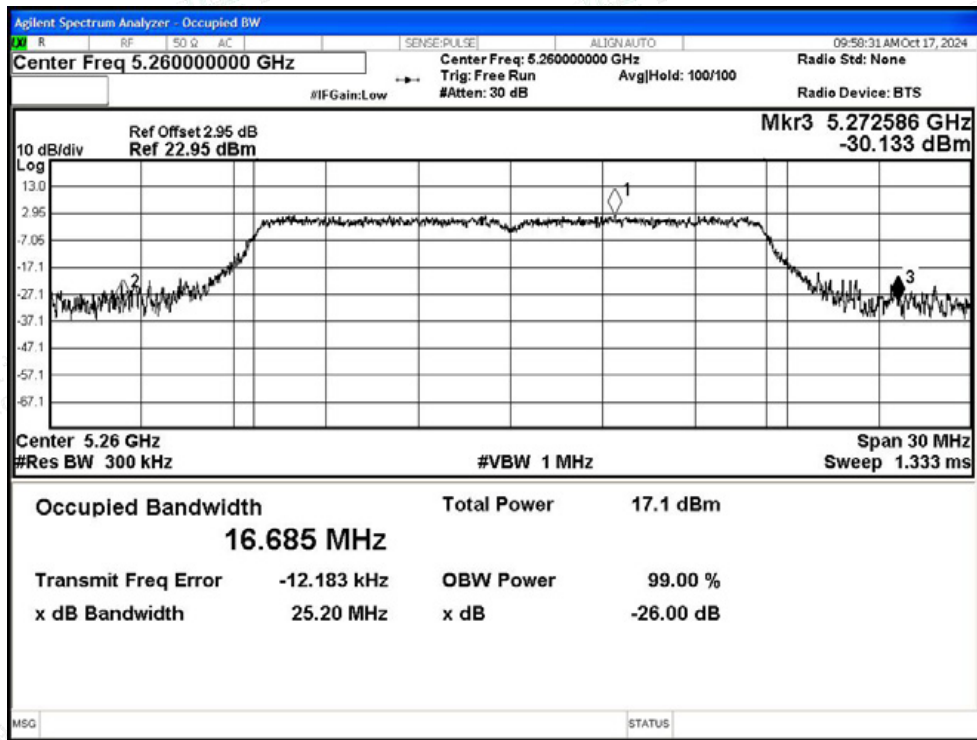


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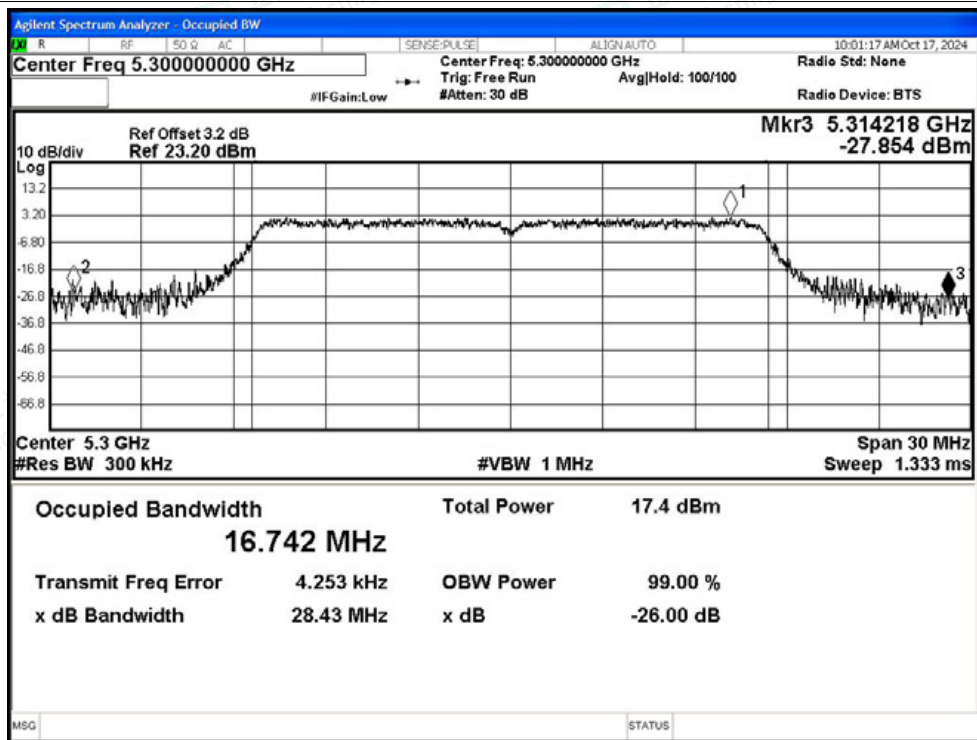


Test Graphs

-26dB Bandwidth NVNT a 5260MHz Ant1

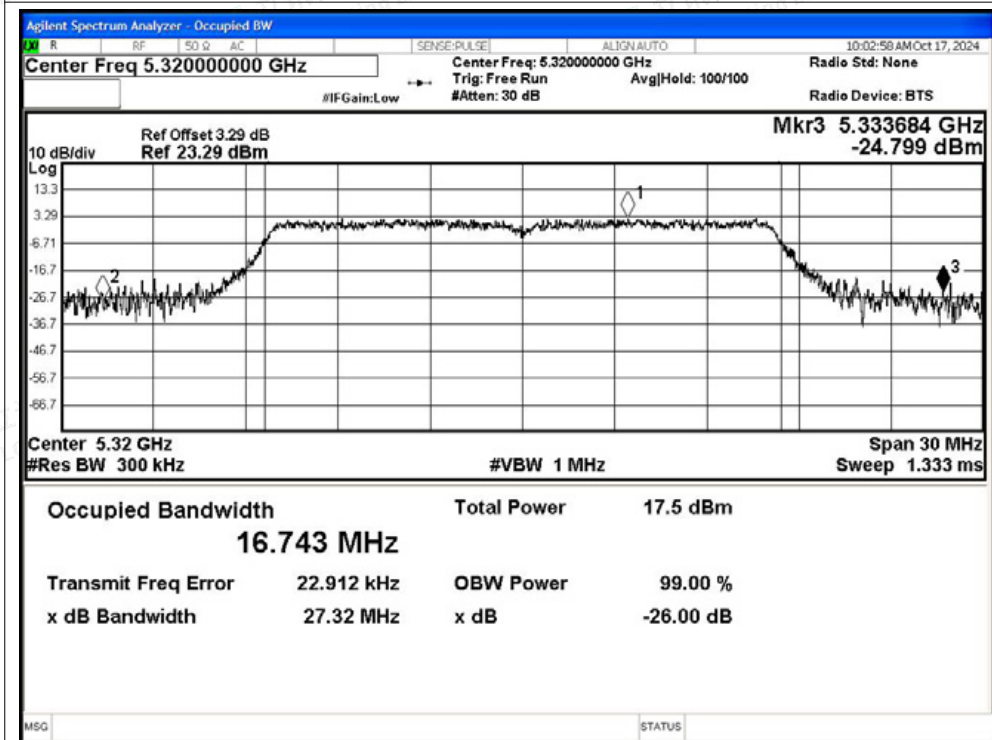


-26dB Bandwidth NVNT a 5300MHz Ant1

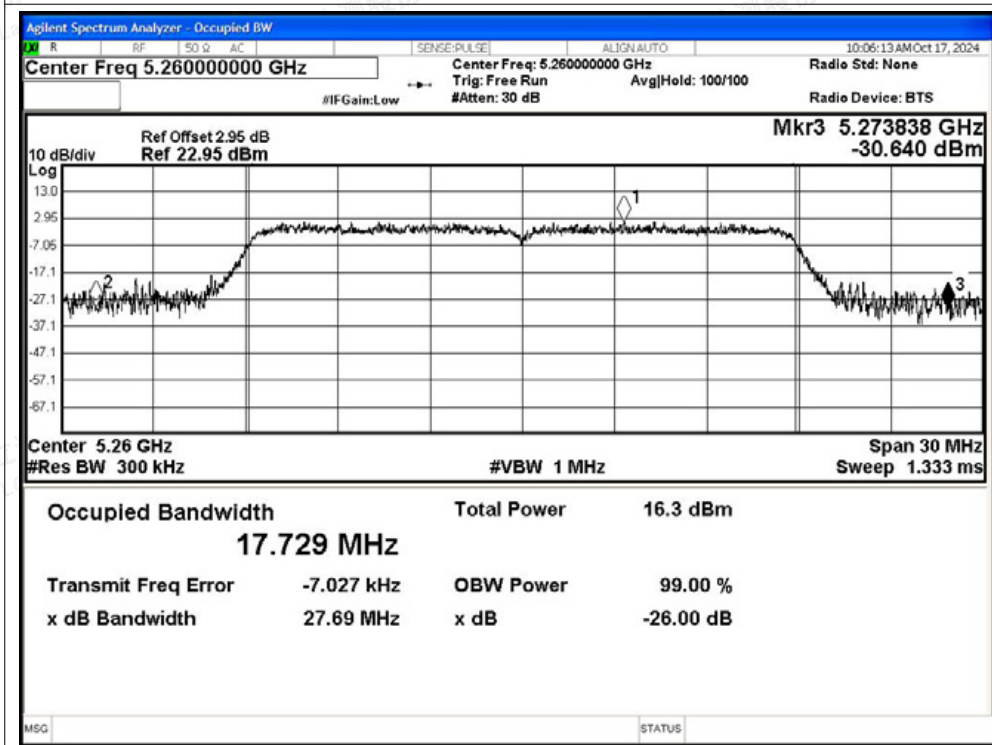




-26dB Bandwidth NVNT a 5320MHz Ant1

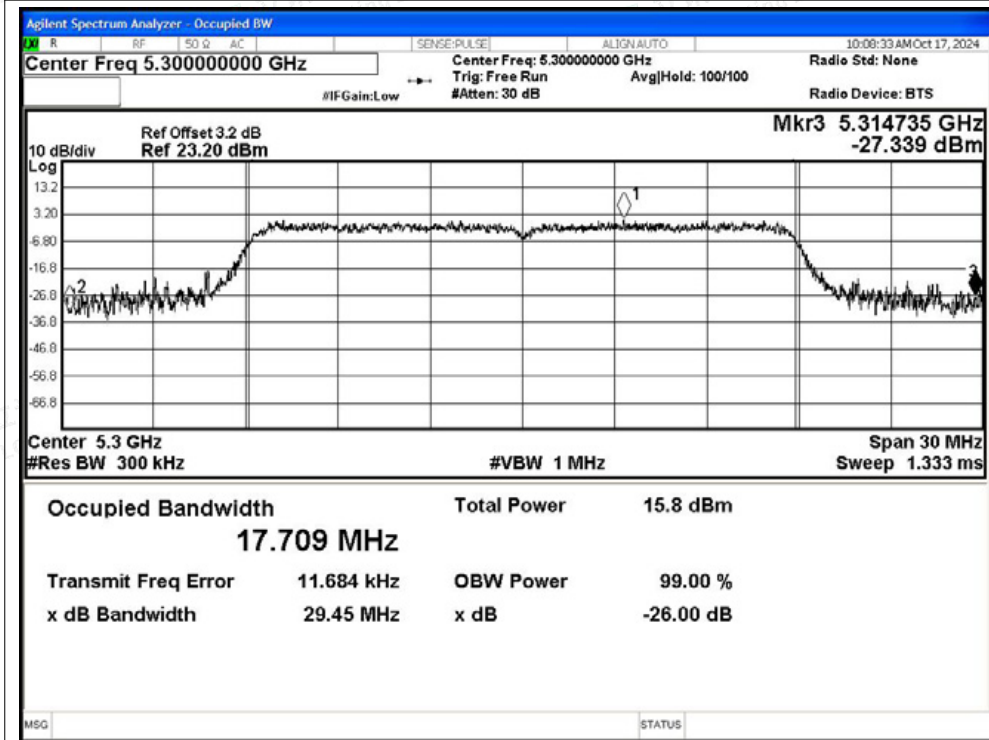


-26dB Bandwidth NVNT n20 5260MHz Ant1

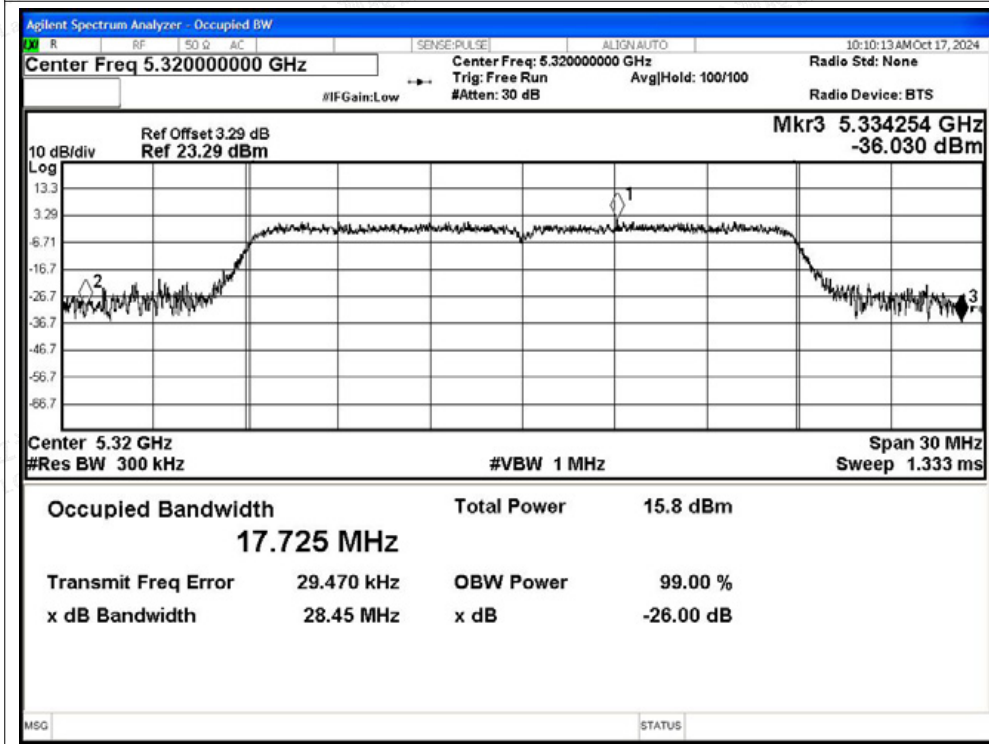




-26dB Bandwidth NVNT n20 5300MHz Ant1



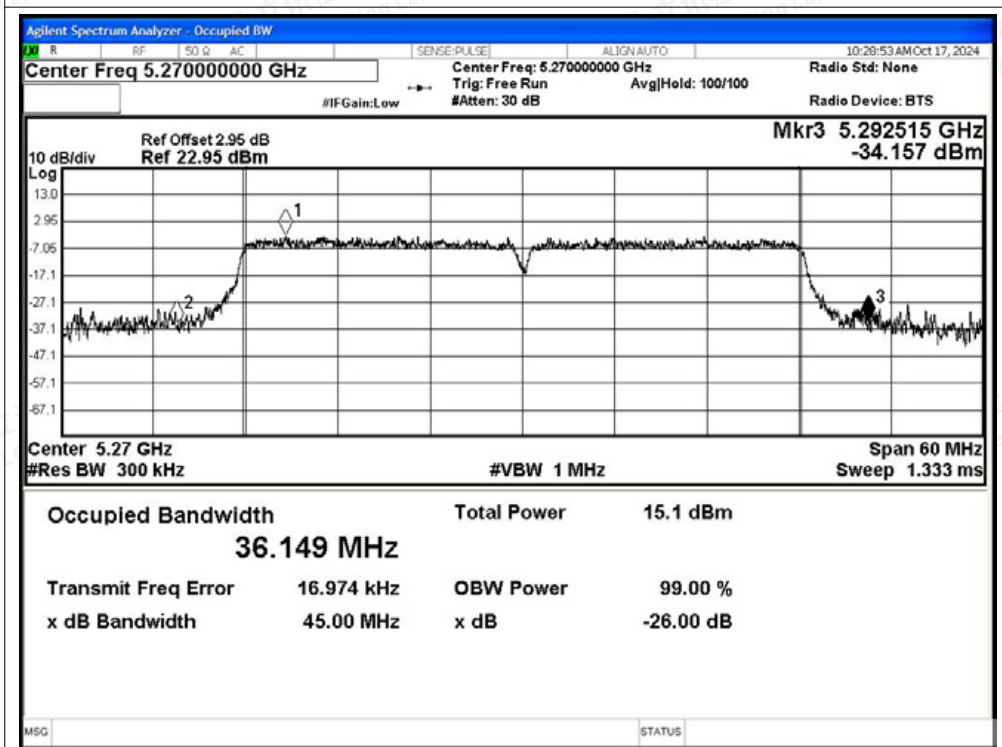
-26dB Bandwidth NVNT n20 5320MHz Ant1



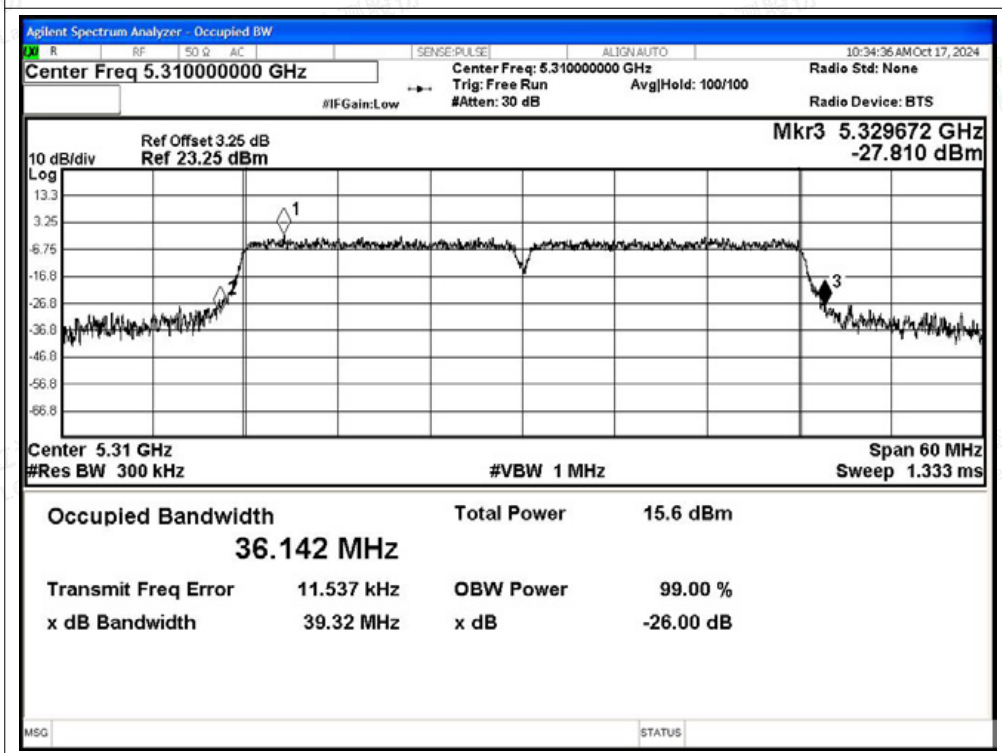




-26dB Bandwidth NVNT n40 5270MHz Ant1

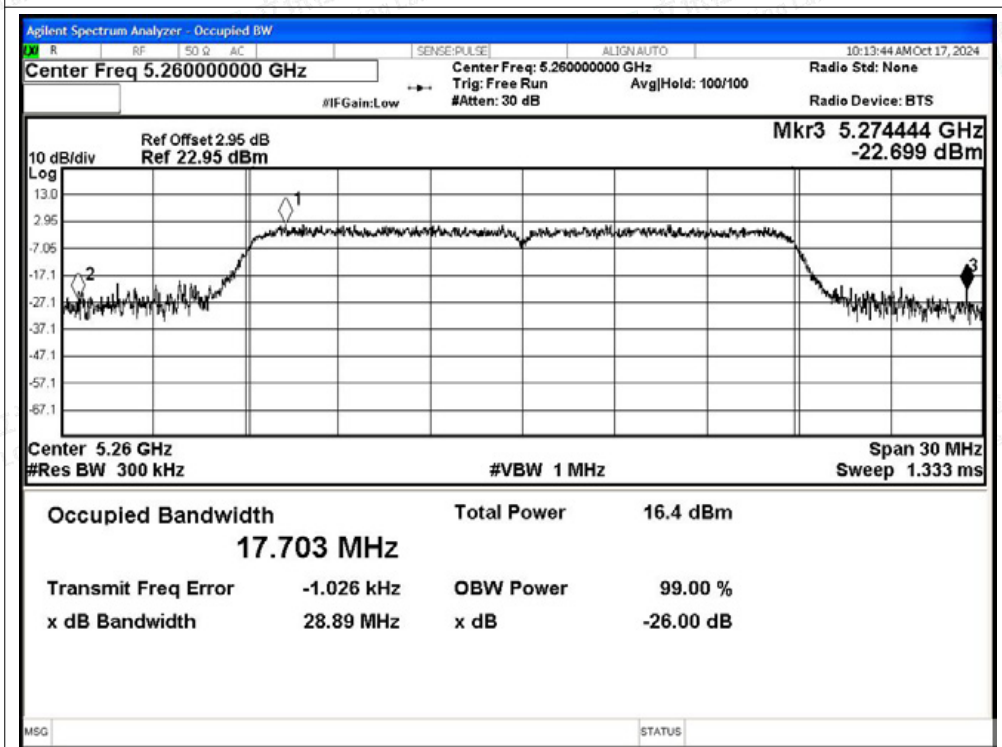


-26dB Bandwidth NVNT n40 5310MHz Ant1

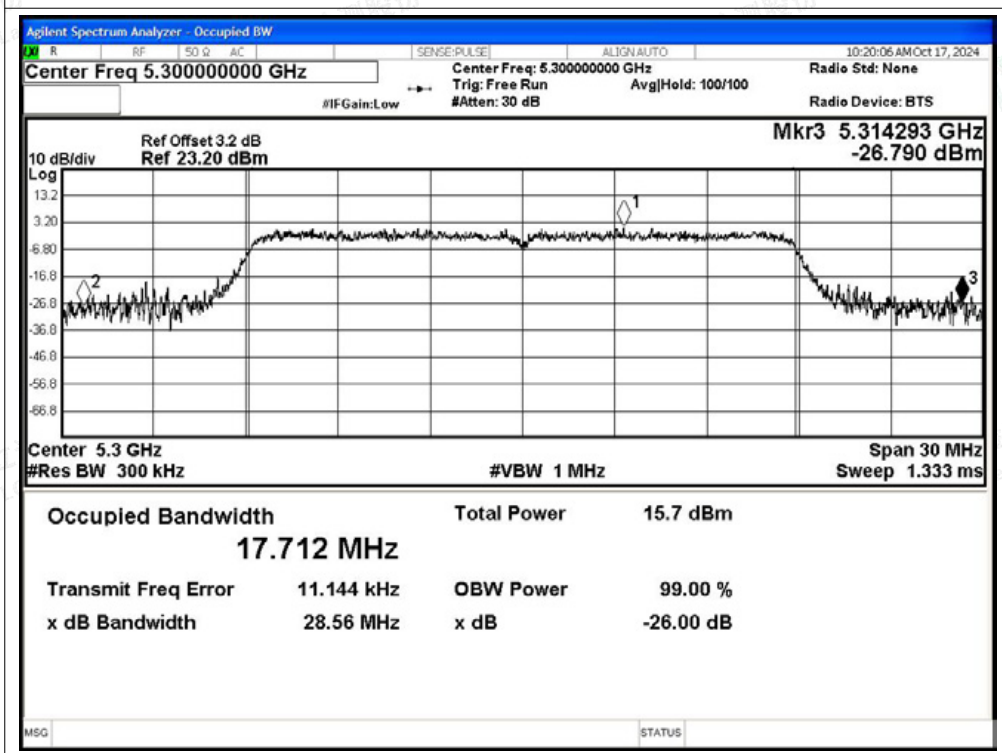




-26dB Bandwidth NVNT ac20 5260MHz Ant1

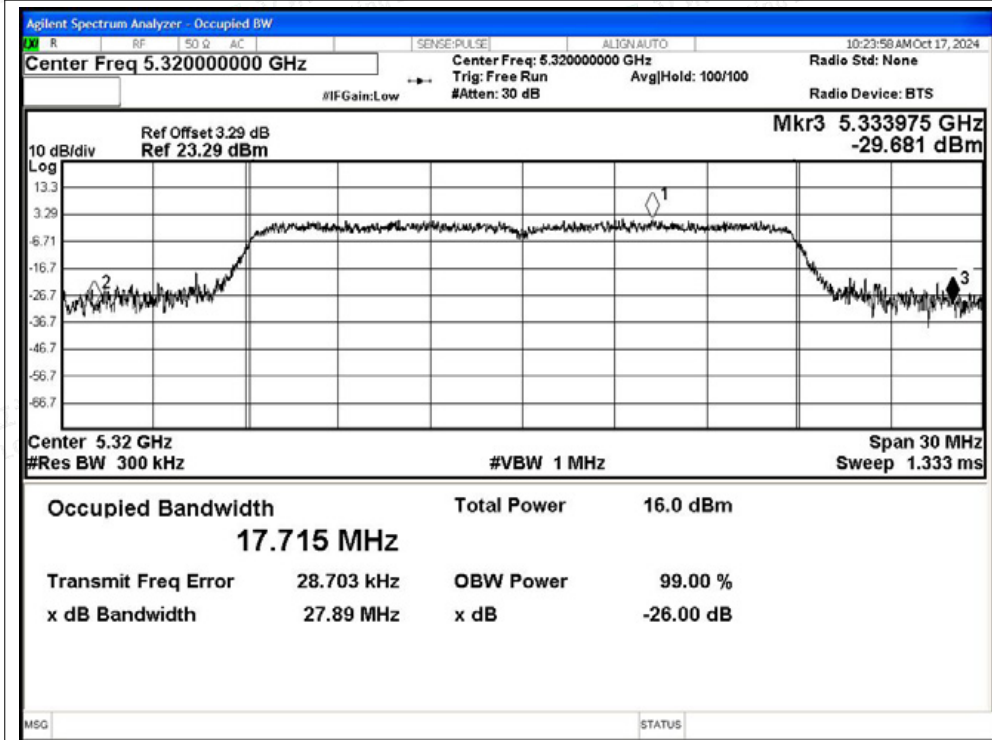


-26dB Bandwidth NVNT ac20 5300MHz Ant1

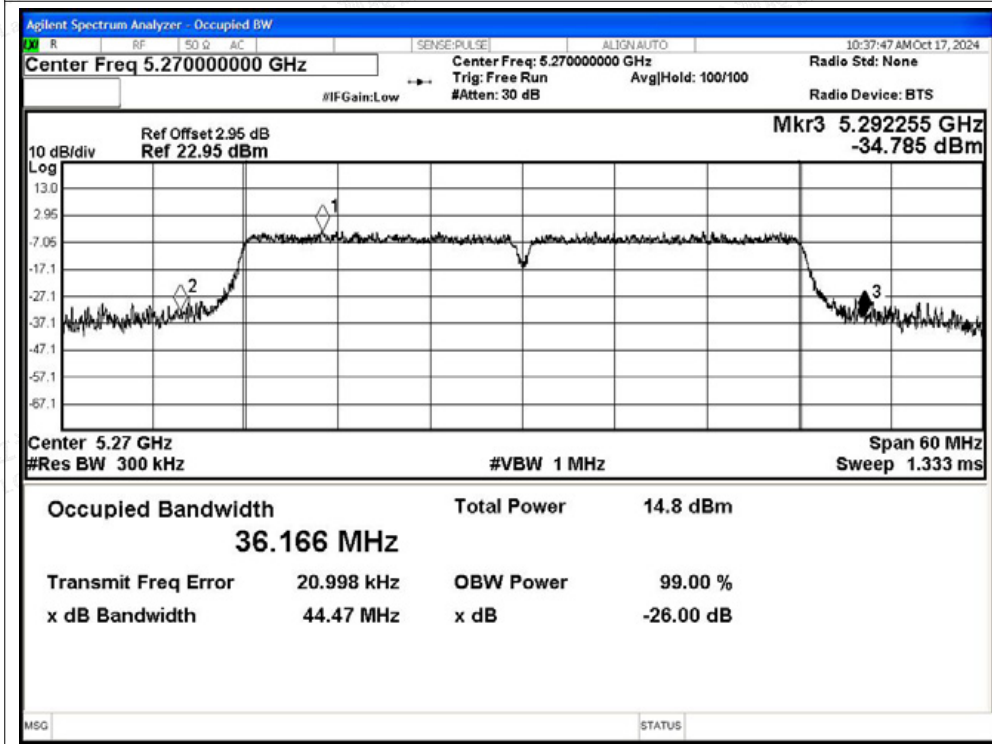




-26dB Bandwidth NVNT ac20 5320MHz Ant1

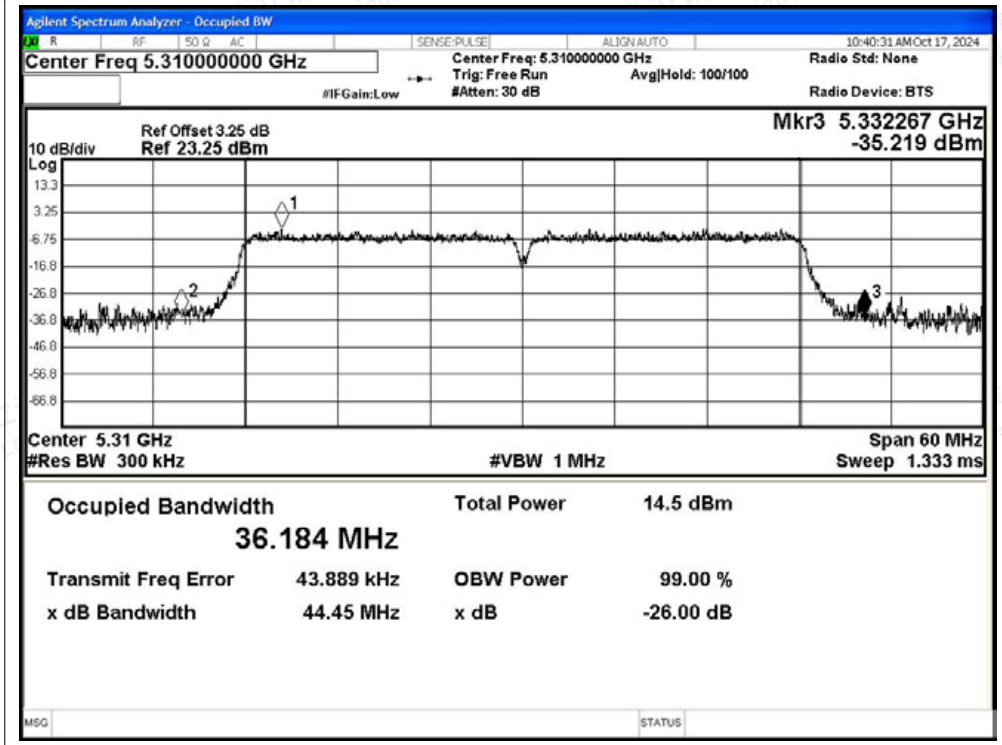


-26dB Bandwidth NVNT ac40 5270MHz Ant1



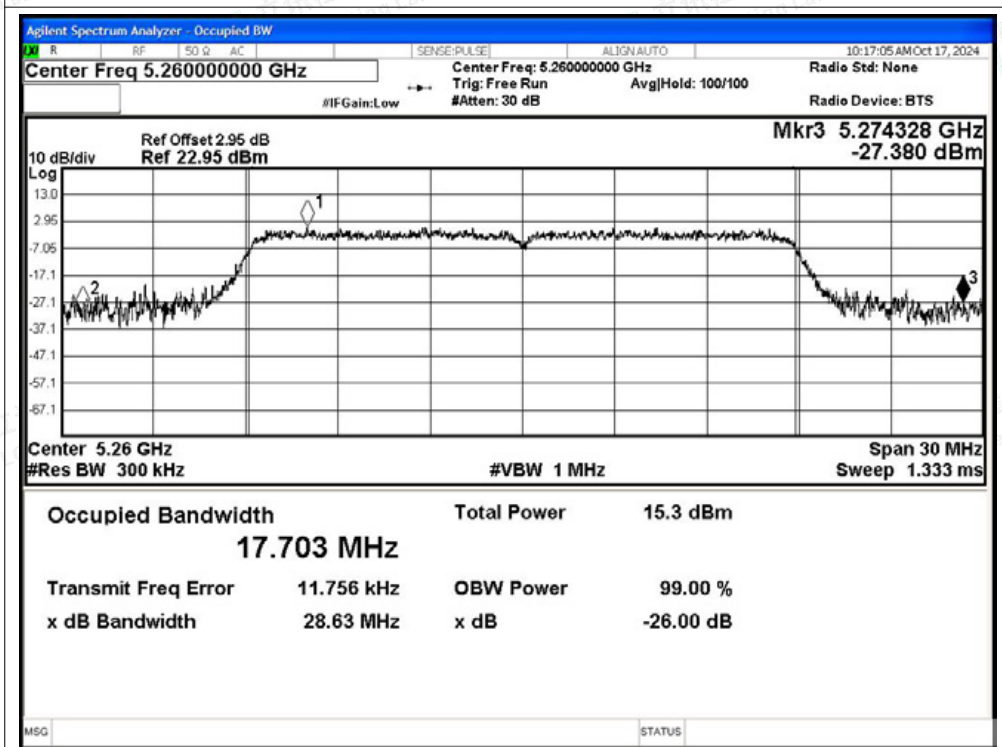


-26dB Bandwidth NVNT ac40 5310MHz Ant1

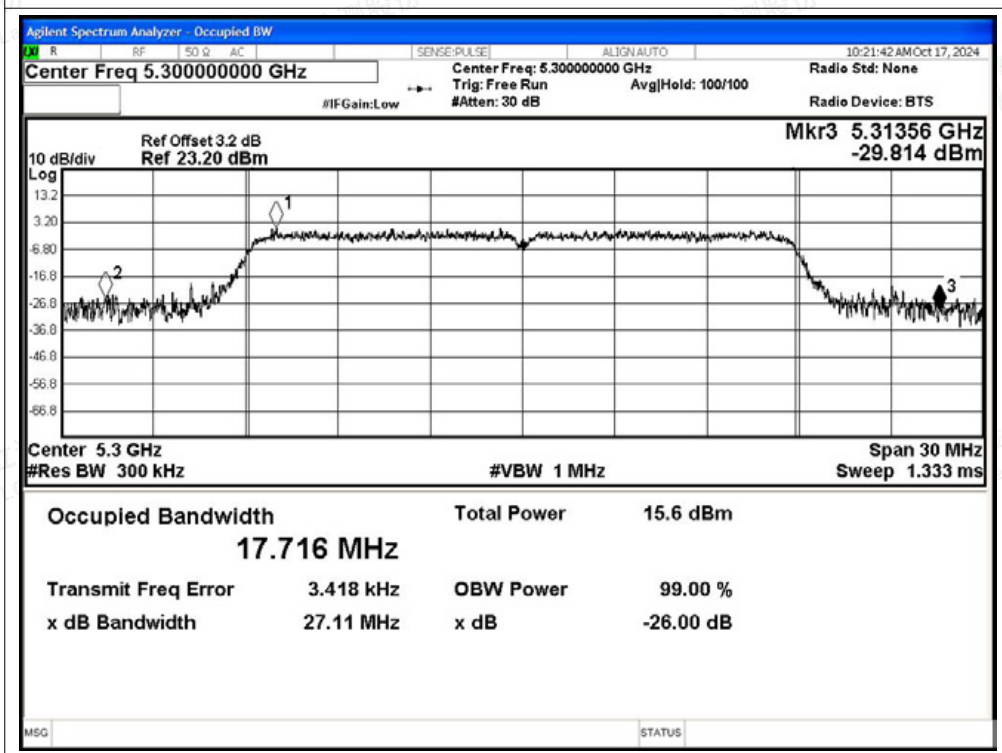




-26dB Bandwidth NVNT ax20 5260MHz Ant1

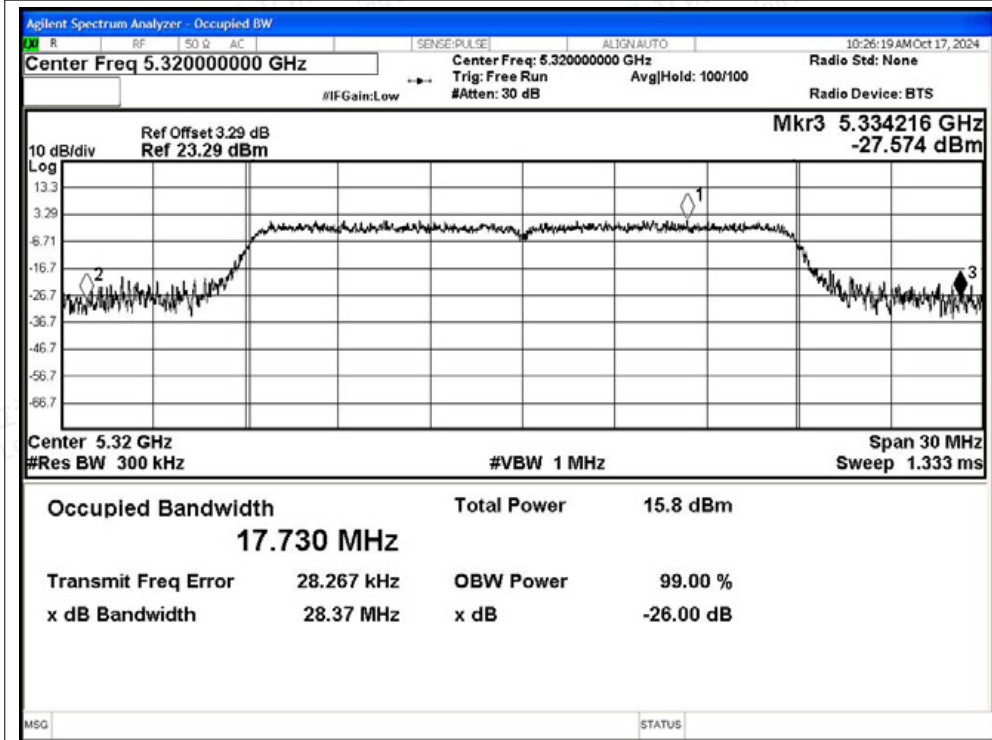


-26dB Bandwidth NVNT ax20 5300MHz Ant1

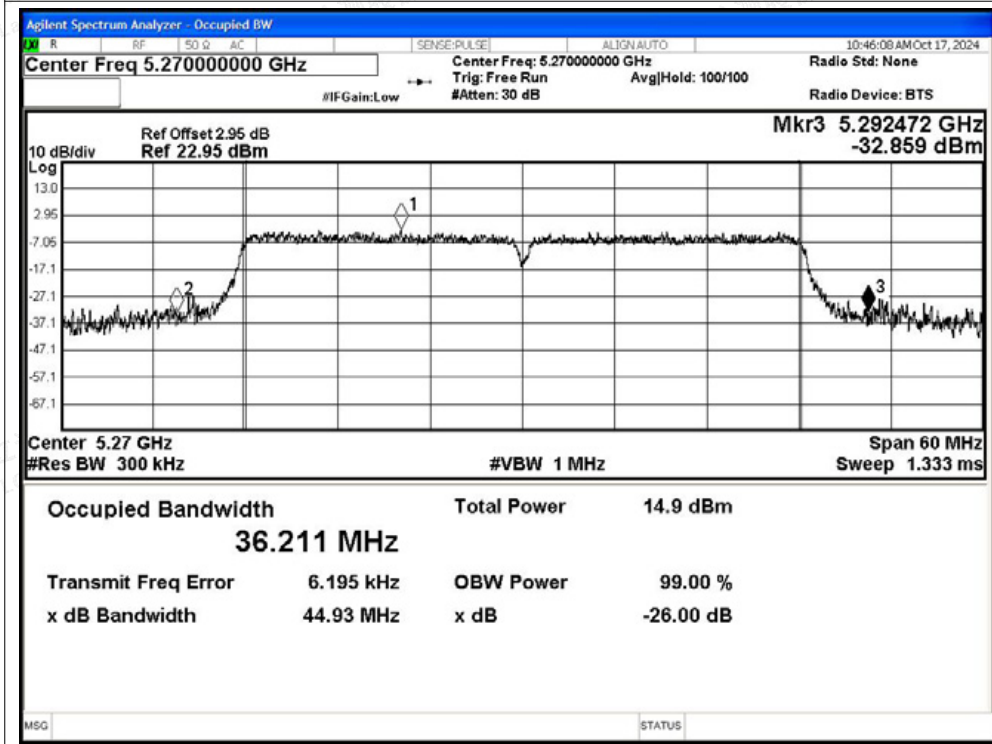




-26dB Bandwidth NVNT ax20 5320MHz Ant1

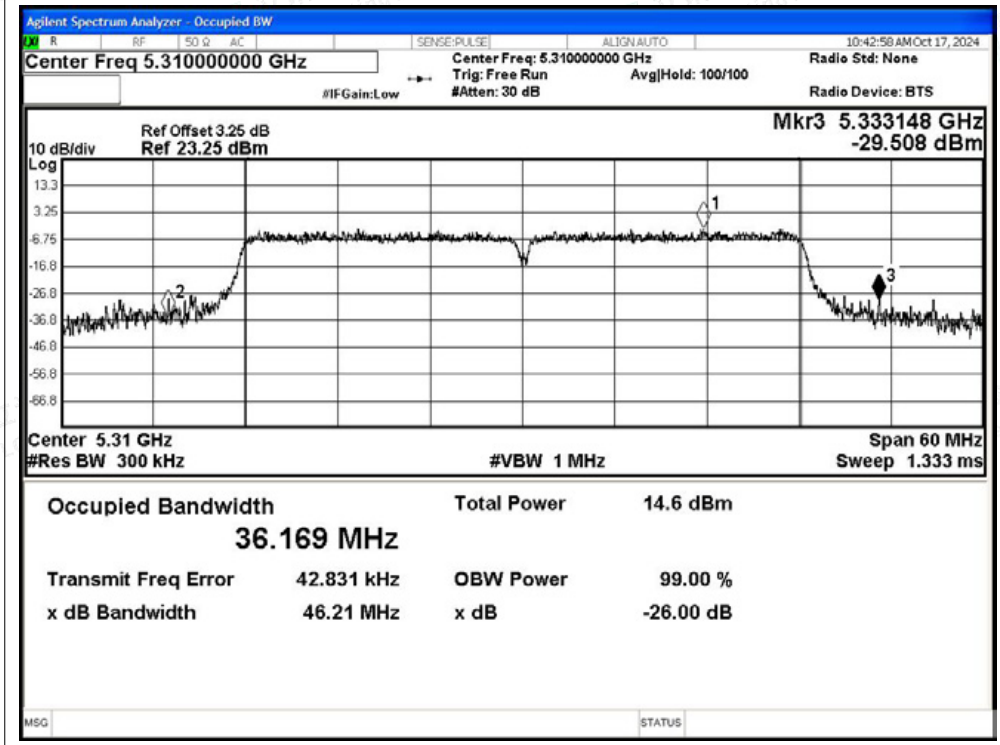


-26dB Bandwidth NVNT ax40 5270MHz Ant1





-26dB Bandwidth NVNT ax40 5310MHz Ant1





### E.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant0	12.99	0.24	13.23	24	Pass
NVNT	a	5300	Ant0	12.73	0.24	12.97	24	Pass
NVNT	a	5320	Ant0	12.06	0.24	12.3	24	Pass
NVNT	n20	5260	Ant0	10.87	0.12	10.99	24	Pass
NVNT	n20	5300	Ant0	11.66	0.12	11.78	24	Pass
NVNT	n20	5320	Ant0	11.56	0.12	11.68	24	Pass
NVNT	n40	5270	Ant0	10.4	0.12	10.52	24	Pass
NVNT	n40	5310	Ant0	10.22	0.12	10.34	24	Pass
NVNT	ac20	5260	Ant0	11.87	0.12	11.99	24	Pass
NVNT	ac20	5300	Ant0	11.19	0.12	11.31	24	Pass
NVNT	ac20	5320	Ant0	11.49	0.12	11.61	24	Pass
NVNT	ac40	5270	Ant0	10.58	0.12	10.7	24	Pass
NVNT	ac40	5310	Ant0	10.22	0.12	10.34	24	Pass
NVNT	ax20	5260	Ant0	10.7	0.12	10.82	24	Pass
NVNT	ax20	5300	Ant0	11.19	0.12	11.31	24	Pass
NVNT	ax20	5320	Ant0	11.4	0.12	11.52	24	Pass
NVNT	ax40	5270	Ant0	10.58	0.12	10.7	24	Pass
NVNT	ax40	5310	Ant0	10.3	0.12	10.42	24	Pass



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Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	11.38	0.24	11.62	24	Pass
NVNT	a	5300	Ant1	11.68	0.24	11.92	24	Pass
NVNT	a	5320	Ant1	11.82	0.24	12.06	24	Pass
NVNT	n20	5260	Ant1	10.7	0.12	10.82	24	Pass
NVNT	n20	5300	Ant1	10.3	0.12	10.42	24	Pass
NVNT	n20	5320	Ant1	10.33	0.12	10.45	24	Pass
NVNT	n40	5270	Ant1	9.45	0.12	9.57	24	Pass
NVNT	n40	5310	Ant1	9.84	0.12	9.96	24	Pass
NVNT	ac20	5260	Ant1	10.9	0.12	11.02	24	Pass
NVNT	ac20	5300	Ant1	10.15	0.12	10.27	24	Pass
NVNT	ac20	5320	Ant1	10.45	0.12	10.57	24	Pass
NVNT	ac40	5270	Ant1	9.38	0.12	9.5	24	Pass
NVNT	ac40	5310	Ant1	9.09	0.12	9.21	24	Pass
NVNT	ax20	5260	Ant1	9.95	0.12	10.07	24	Pass
NVNT	ax20	5300	Ant1	10.08	0.12	10.2	24	Pass
NVNT	ax20	5320	Ant1	10.31	0.12	10.43	24	Pass
NVNT	ax40	5270	Ant1	9.35	0.12	9.47	24	Pass
NVNT	ax40	5310	Ant1	9.11	0.12	9.23	24	Pass

MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant0	Ant1	Ant0+Ant1		
NVNT	n20	5260	10.99	10.82	13.92	24	Pass
NVNT	n20	5300	11.78	10.42	14.16	24	Pass
NVNT	n20	5320	11.68	10.45	14.12	24	Pass
NVNT	n40	5270	10.52	9.57	13.08	24	Pass
NVNT	n40	5310	10.34	9.96	13.16	24	Pass
NVNT	ac20	5260	11.99	11.02	14.54	24	Pass
NVNT	ac20	5300	11.31	10.27	13.83	24	Pass
NVNT	ac20	5320	11.61	10.57	14.13	24	Pass
NVNT	ac40	5270	10.7	9.5	13.15	24	Pass
NVNT	ac40	5310	10.34	9.21	12.82	24	Pass
NVNT	ax20	5260	10.82	10.07	13.47	24	Pass
NVNT	ax20	5300	11.31	10.2	13.80	24	Pass
NVNT	ax20	5320	11.52	10.43	14.02	24	Pass
NVNT	ax40	5270	10.7	9.47	13.14	24	Pass
NVNT	ax40	5310	10.42	9.23	12.88	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	Ant0	2.92	0.24	3.16	11	Pass
NVNT	a	5300	Ant0	2.4	0.24	2.64	11	Pass
NVNT	a	5320	Ant0	1.3	0.24	1.54	11	Pass
NVNT	n20	5260	Ant0	0.15	0.12	0.27	11	Pass
NVNT	n20	5300	Ant0	1	0.12	1.12	11	Pass
NVNT	n20	5320	Ant0	0.91	0.12	1.03	11	Pass
NVNT	n40	5270	Ant0	-3.24	0.12	-3.12	11	Pass
NVNT	n40	5310	Ant0	-3.88	0.12	-3.76	11	Pass
NVNT	ac20	5260	Ant0	1.19	0.12	1.31	11	Pass
NVNT	ac20	5300	Ant0	0.35	0.12	0.47	11	Pass
NVNT	ac20	5320	Ant0	0.69	0.12	0.81	11	Pass
NVNT	ac40	5270	Ant0	-3.22	0.12	-3.1	11	Pass
NVNT	ac40	5310	Ant0	-3.91	0.12	-3.79	11	Pass
NVNT	ax20	5260	Ant0	-0.12	0.12	0	11	Pass
NVNT	ax20	5300	Ant0	0.36	0.12	0.48	11	Pass
NVNT	ax20	5320	Ant0	0.65	0.12	0.77	11	Pass
NVNT	ax40	5270	Ant0	-3.07	0.12	-2.95	11	Pass
NVNT	ax40	5310	Ant0	-3.76	0.12	-3.64	11	Pass



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Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD(dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5260	Ant1	0.81	0.24	1.05	11	Pass
NVNT	a	5300	Ant1	0.99	0.24	1.23	11	Pass
NVNT	a	5320	Ant1	1.33	0.24	1.57	11	Pass
NVNT	n20	5260	Ant1	-0.15	0.12	-0.03	11	Pass
NVNT	n20	5300	Ant1	-0.6	0.12	-0.48	11	Pass
NVNT	n20	5320	Ant1	-0.13	0.12	-0.01	11	Pass
NVNT	n40	5270	Ant1	-3.97	0.12	-3.85	11	Pass
NVNT	n40	5310	Ant1	-3.6	0.12	-3.48	11	Pass
NVNT	ac20	5260	Ant1	0.31	0.12	0.43	11	Pass
NVNT	ac20	5300	Ant1	-0.75	0.12	-0.63	11	Pass
NVNT	ac20	5320	Ant1	-0.36	0.12	-0.24	11	Pass
NVNT	ac40	5270	Ant1	-4.3	0.12	-4.18	11	Pass
NVNT	ac40	5310	Ant1	-4.79	0.12	-4.67	11	Pass
NVNT	ax20	5260	Ant1	-0.94	0.12	-0.82	11	Pass
NVNT	ax20	5300	Ant1	-0.67	0.12	-0.55	11	Pass
NVNT	ax20	5320	Ant1	-0.45	0.12	-0.33	11	Pass
NVNT	ax40	5270	Ant1	-4.36	0.12	-4.24	11	Pass
NVNT	ax40	5310	Ant1	-4.87	0.12	-4.75	11	Pass

MIMO

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz)		Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
			Duty Factor (dB)				
			Ant0	Ant1			
NVNT	n20	5260	0.27	-0.03	3.13	11	Pass
NVNT	n20	5300	1.12	-0.48	3.40	11	Pass
NVNT	n20	5320	1.03	-0.01	3.55	11	Pass
NVNT	n40	5270	-3.12	-3.85	-0.46	11	Pass
NVNT	n40	5310	-3.76	-3.48	-0.61	11	Pass
NVNT	ac20	5260	1.31	0.43	3.90	11	Pass
NVNT	ac20	5300	0.47	-0.63	2.97	11	Pass
NVNT	ac20	5320	0.81	-0.24	3.33	11	Pass
NVNT	ac40	5270	-3.1	-4.18	-0.60	11	Pass
NVNT	ac40	5310	-3.79	-4.67	-1.20	11	Pass
NVNT	ax20	5260	0	-0.82	2.62	11	Pass
NVNT	ax20	5300	0.48	-0.55	3.01	11	Pass
NVNT	ax20	5320	0.77	-0.33	3.27	11	Pass
NVNT	ax40	5270	-2.95	-4.24	-0.54	11	Pass
NVNT	ax40	5310	-3.64	-4.75	-1.15	11	Pass

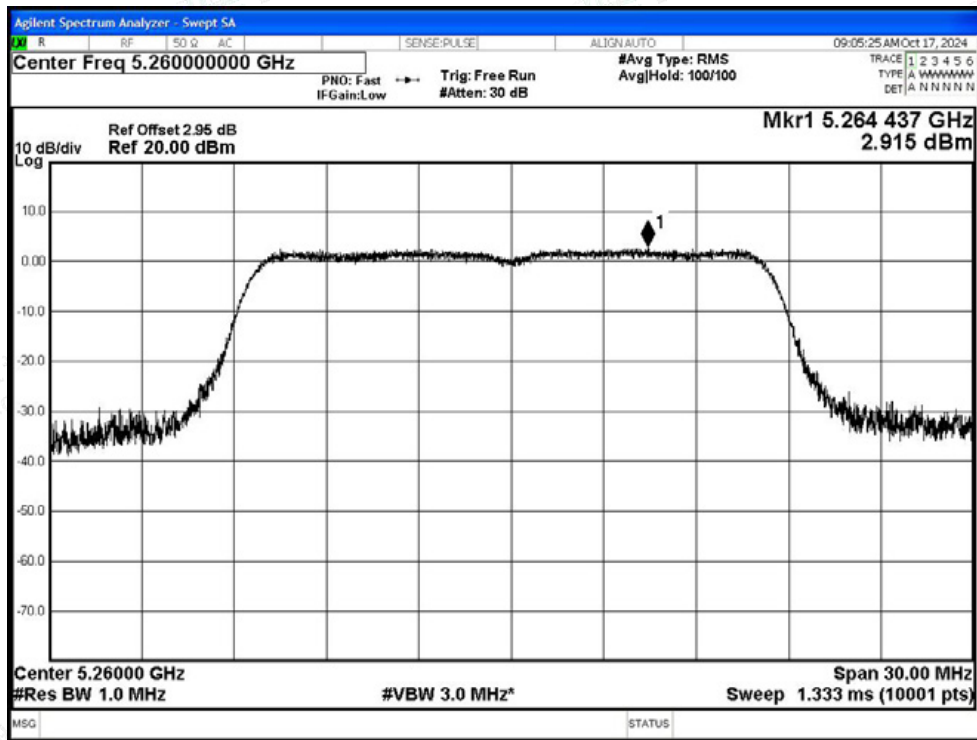


Shenzhen LCS Compliance Testing Laboratory Ltd.  
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
 Scan code to check authenticity

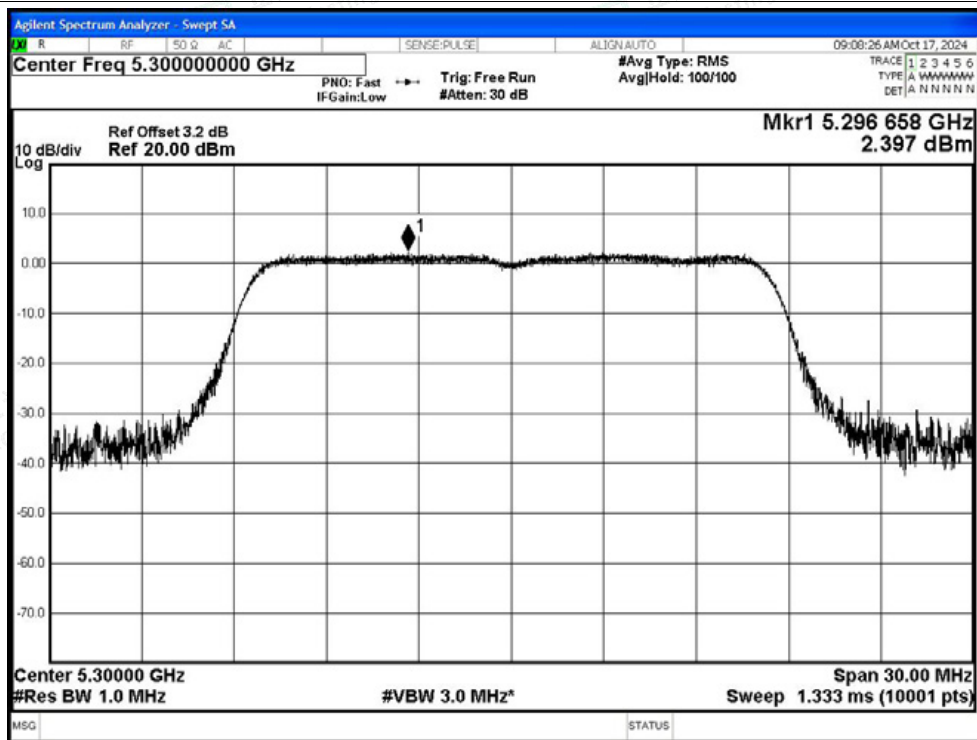


Test Graphs

PSD NVNT a 5260MHz Ant0

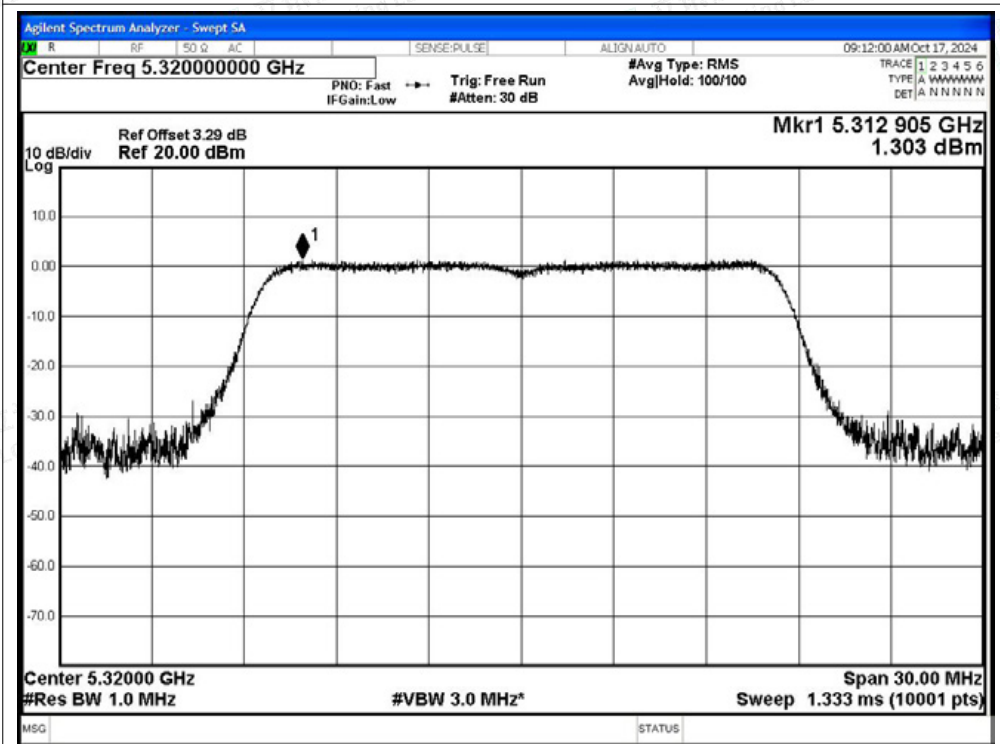


PSD NVNT a 5300MHz Ant0

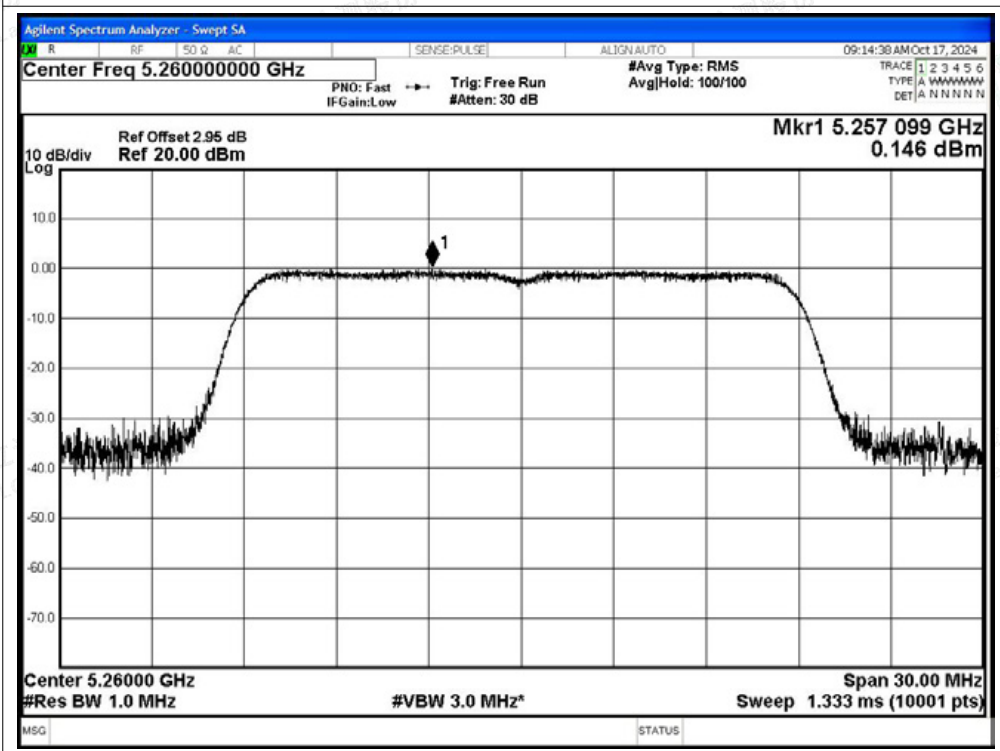




PSD NVNT a 5320MHz Ant0

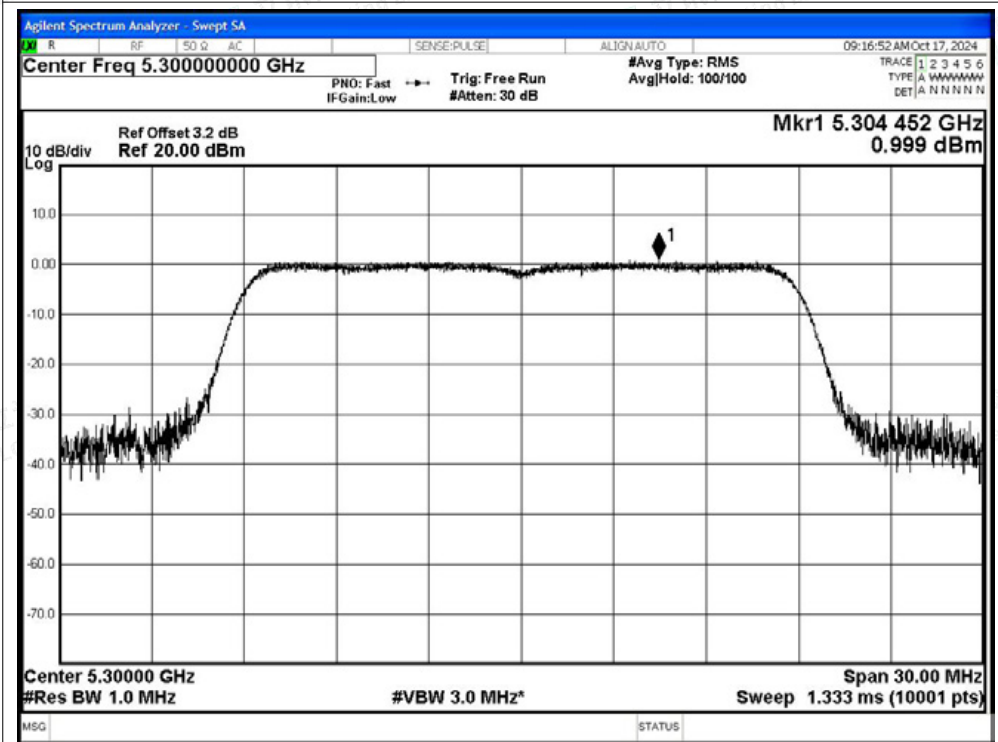


PSD NVNT n20 5260MHz Ant0

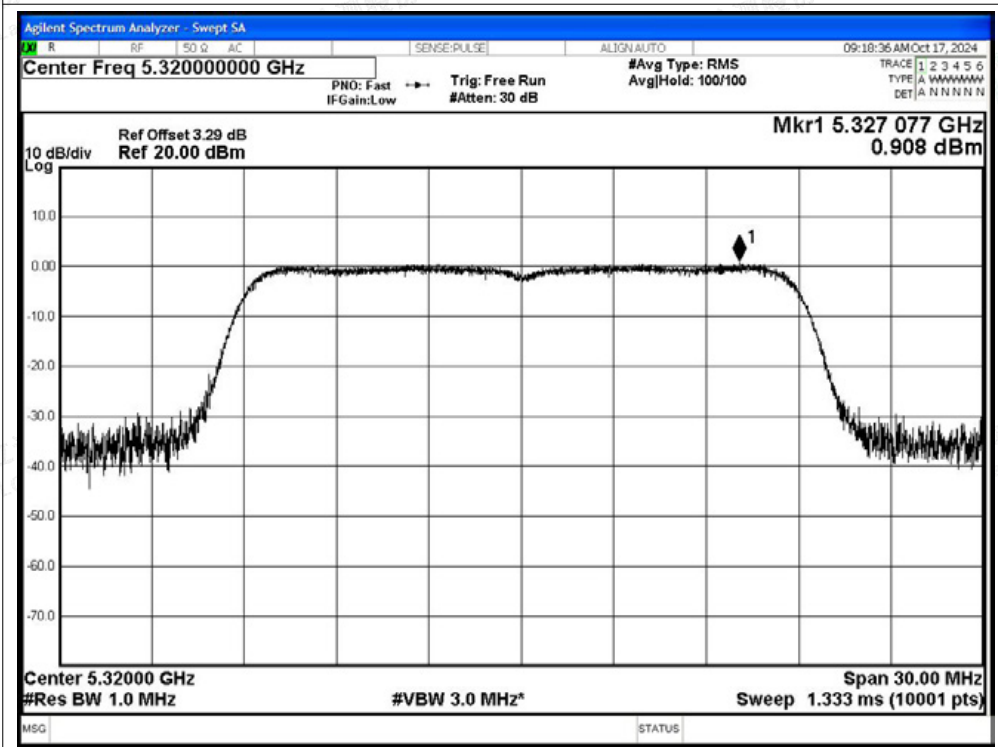




PSD NVNT n20 5300MHz Ant0

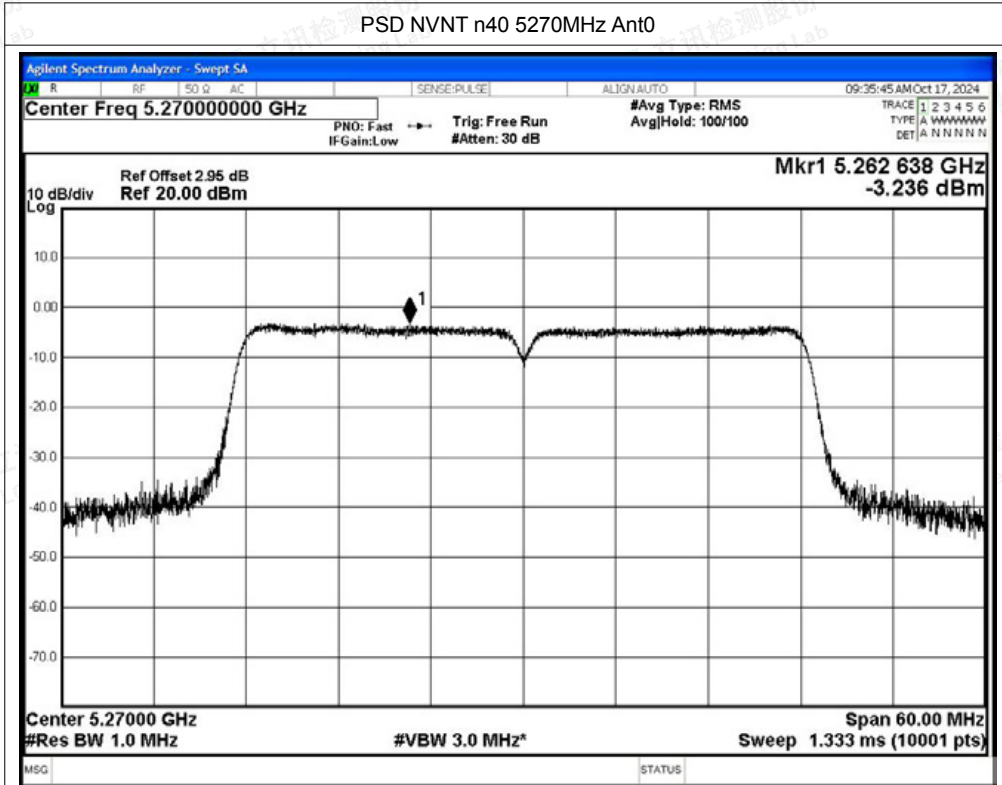


PSD NVNT n20 5320MHz Ant0

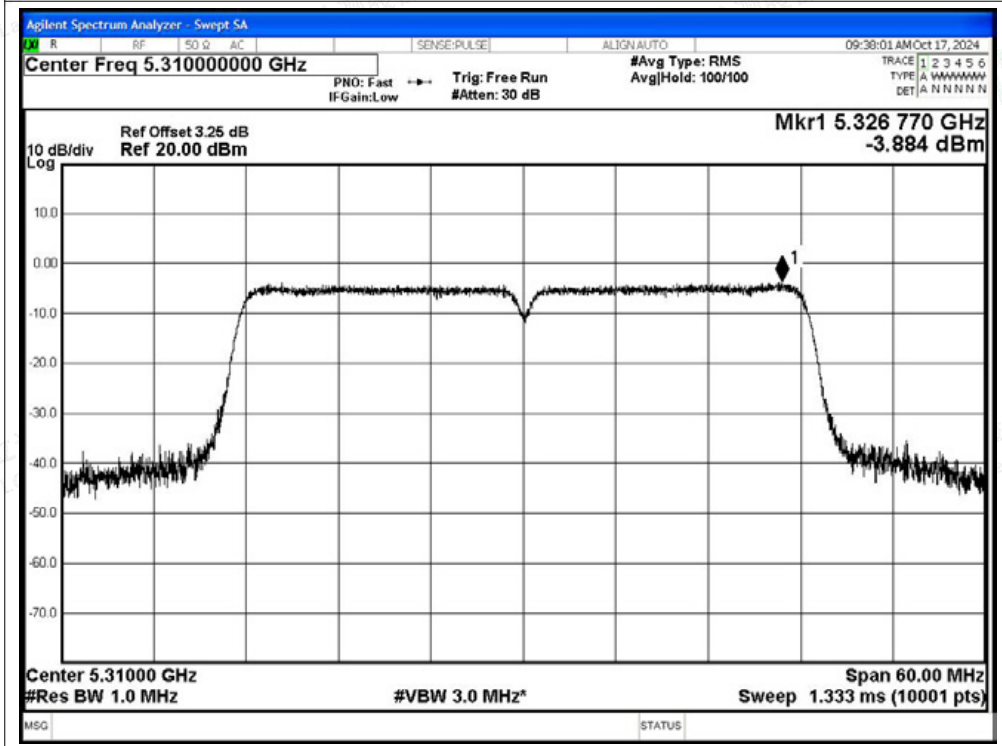




PSD NVNT n40 5270MHz Ant0

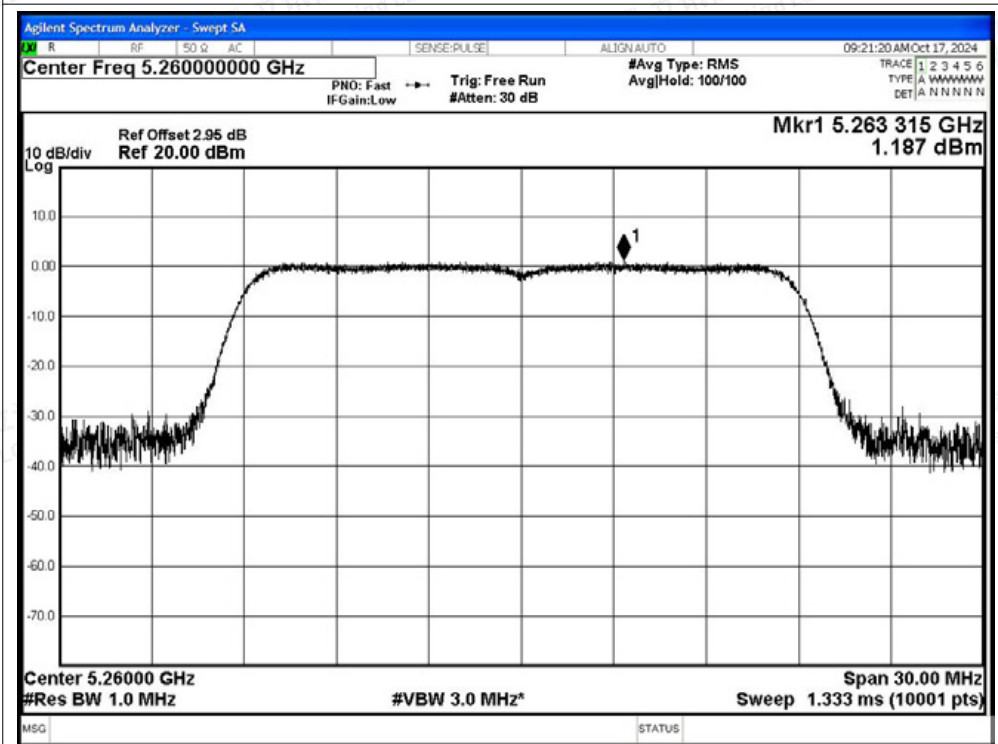


PSD NVNT n40 5310MHz Ant0

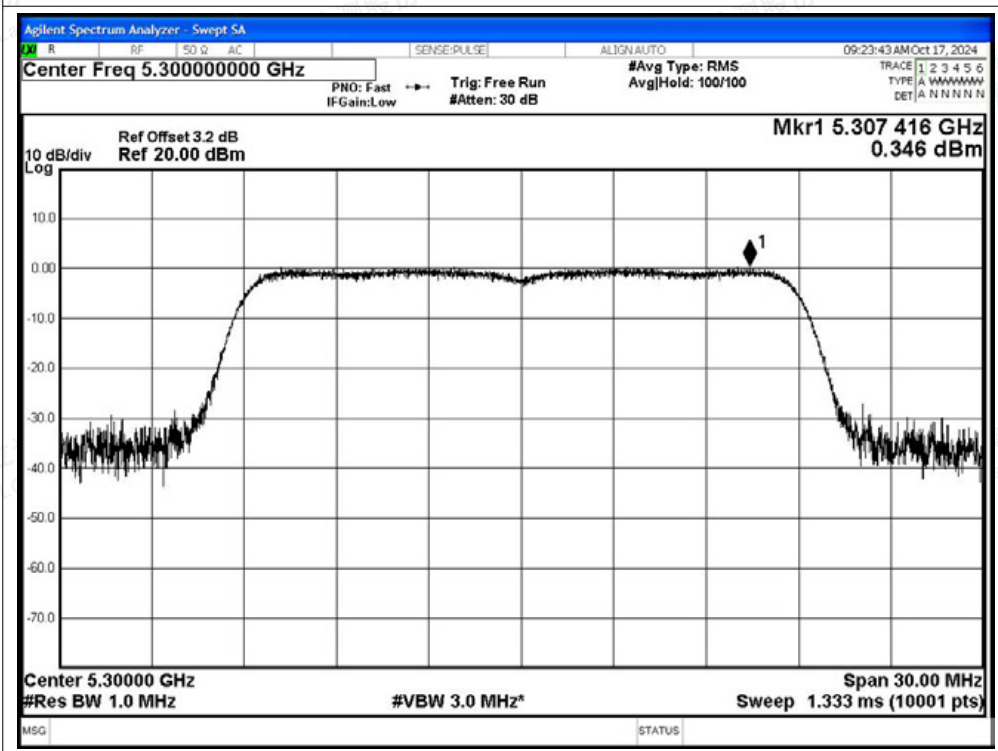




PSD NVNT ac20 5260MHz Ant0



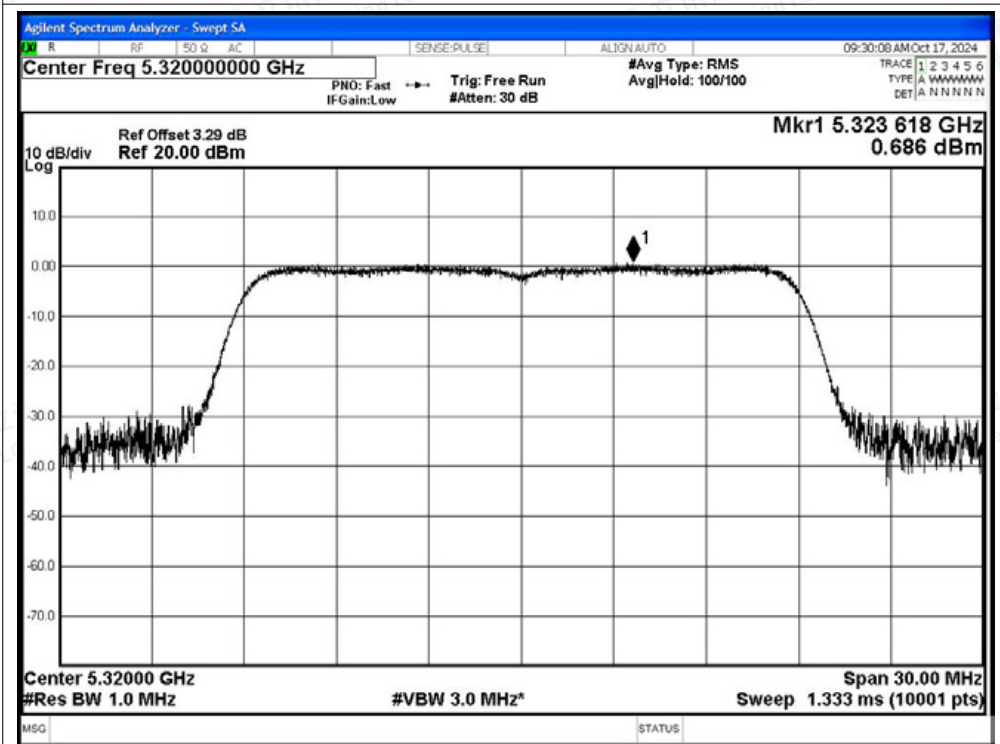
PSD NVNT ac20 5300MHz Ant0



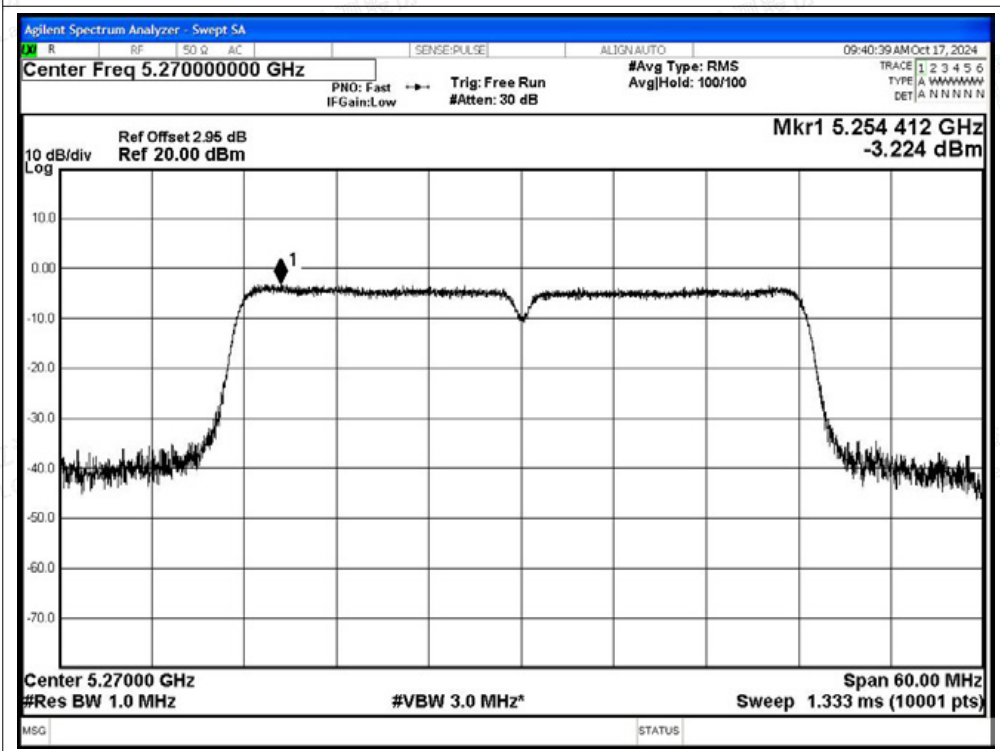


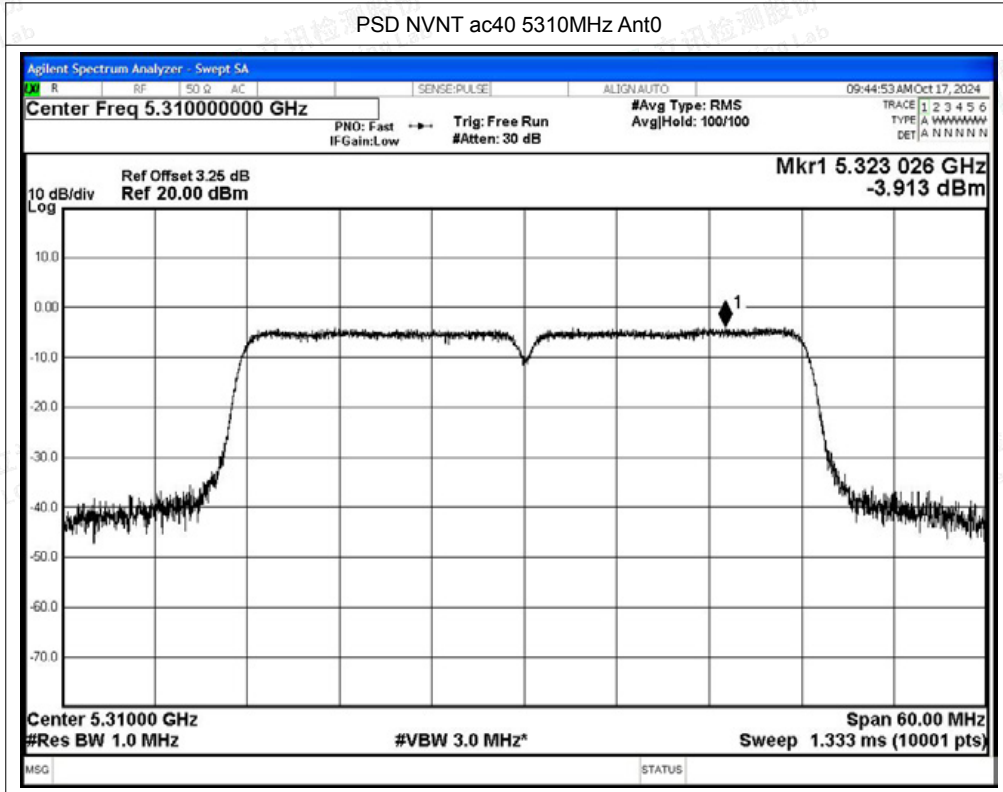


PSD NVNT ac20 5320MHz Ant0



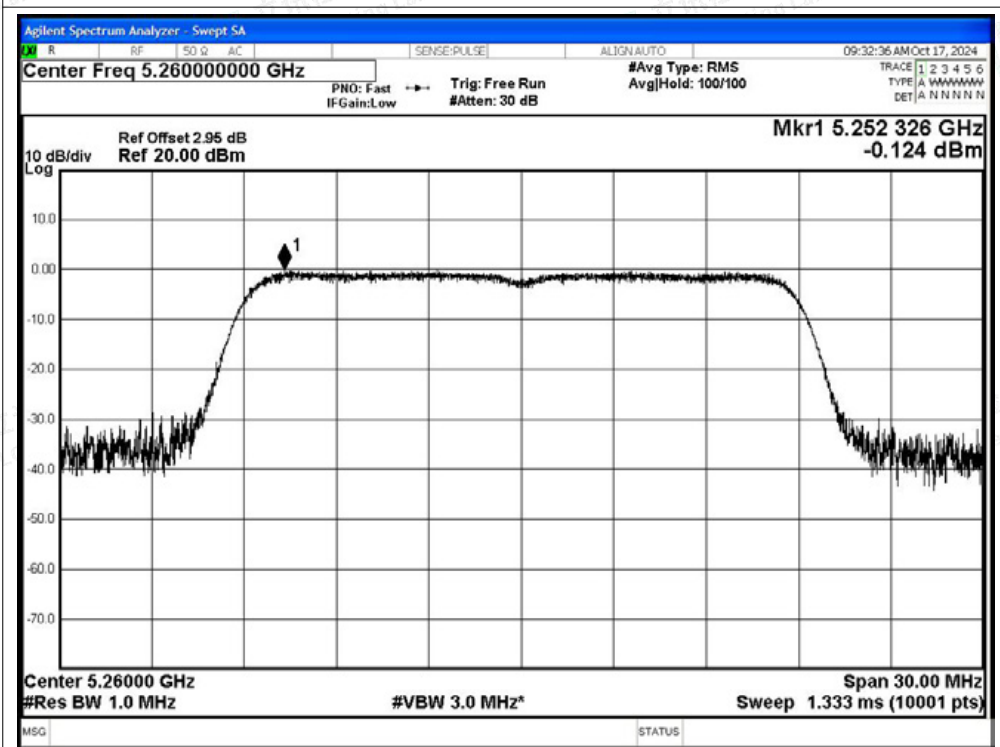
PSD NVNT ac40 5270MHz Ant0



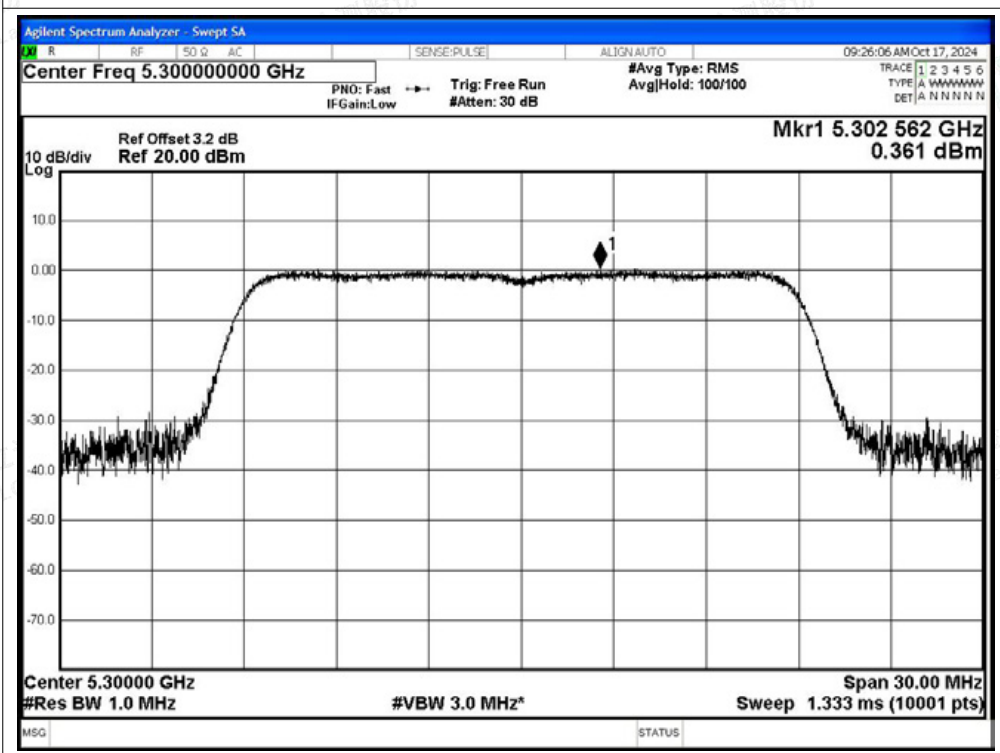




PSD NVNT ax20 5260MHz Ant0

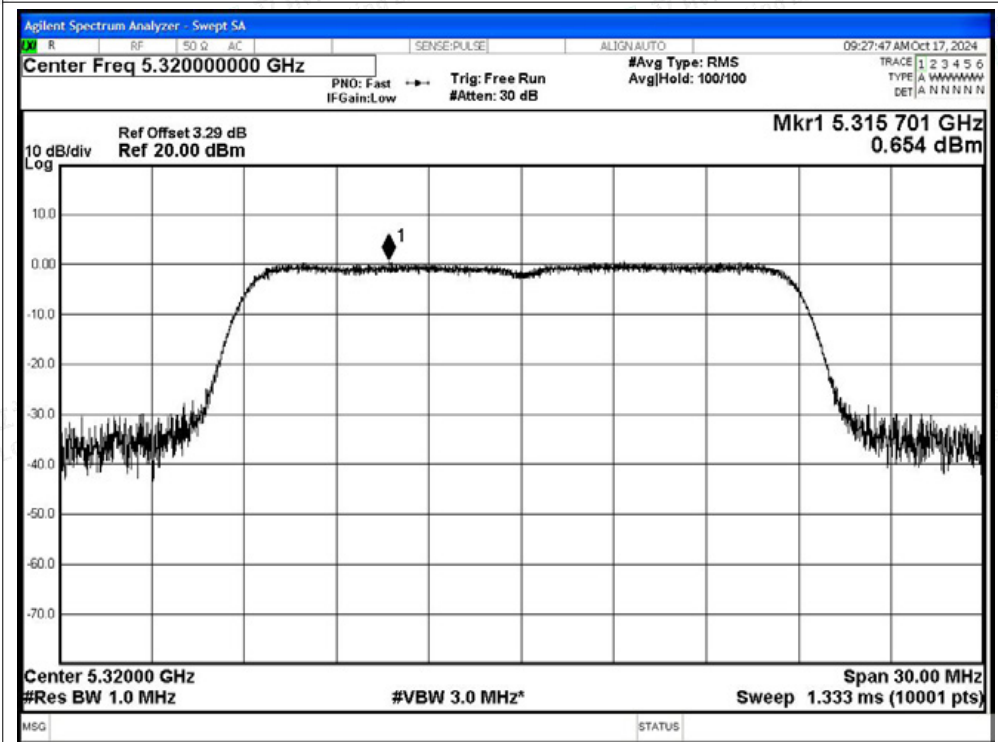


PSD NVNT ax20 5300MHz Ant0

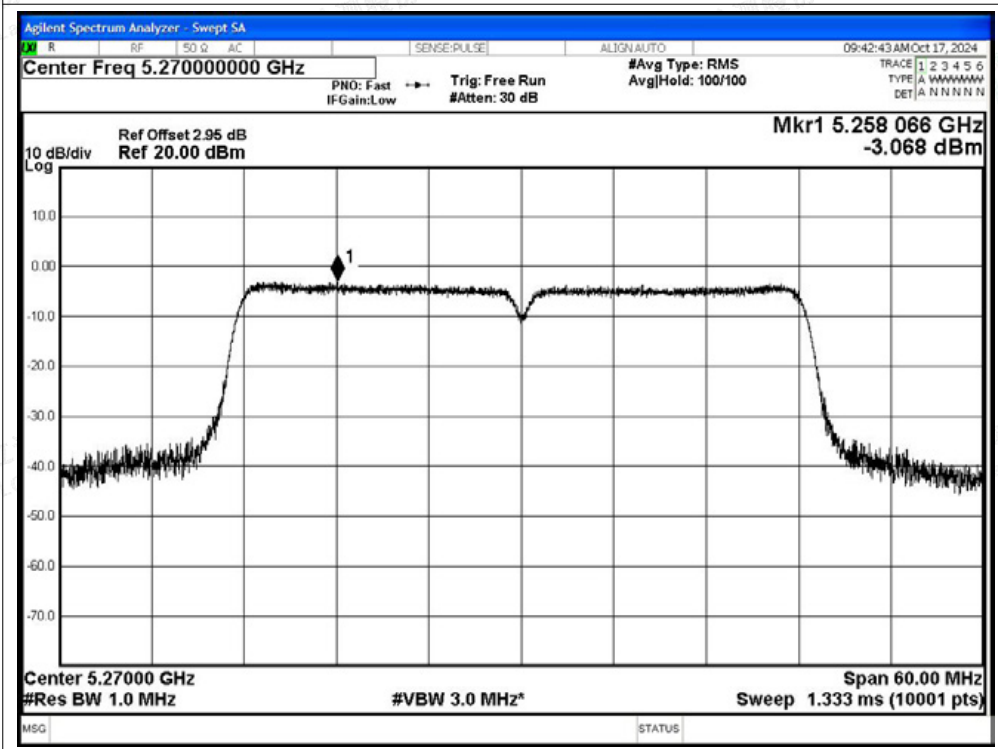


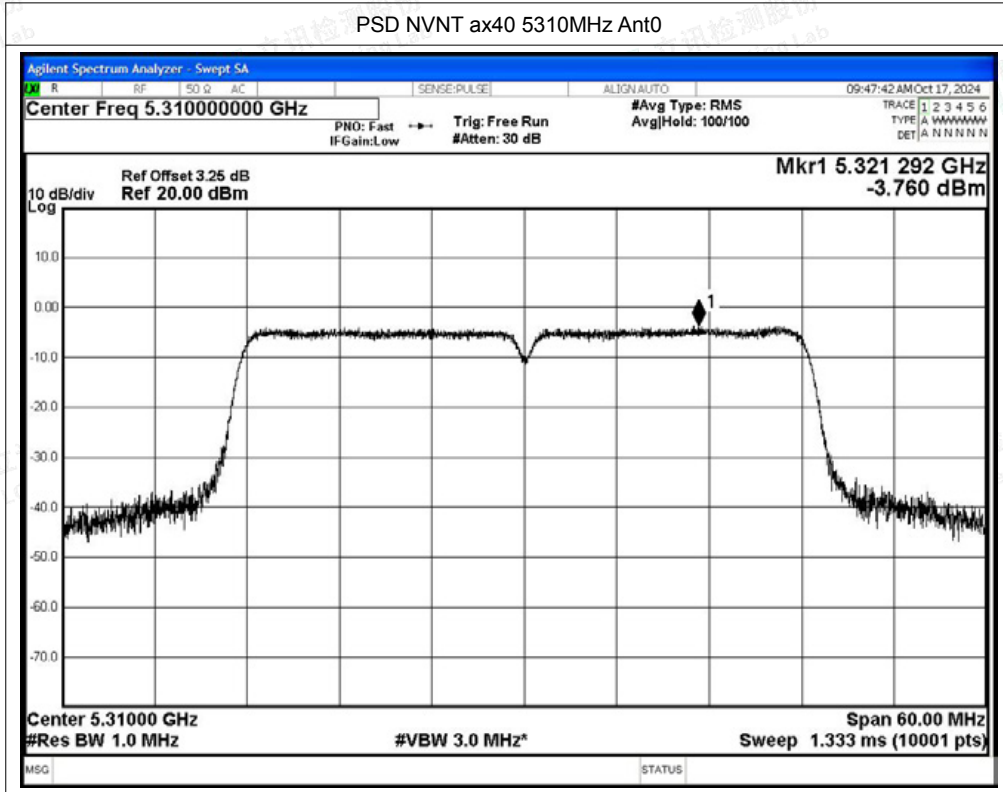


PSD NVNT ax20 5320MHz Ant0



PSD NVNT ax40 5270MHz Ant0

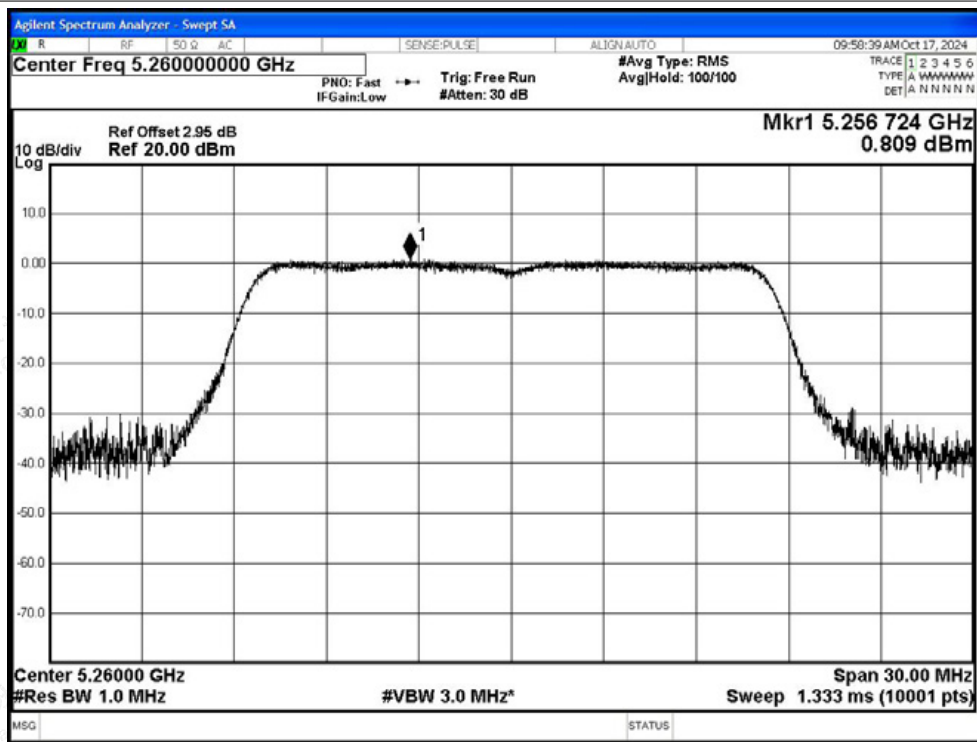




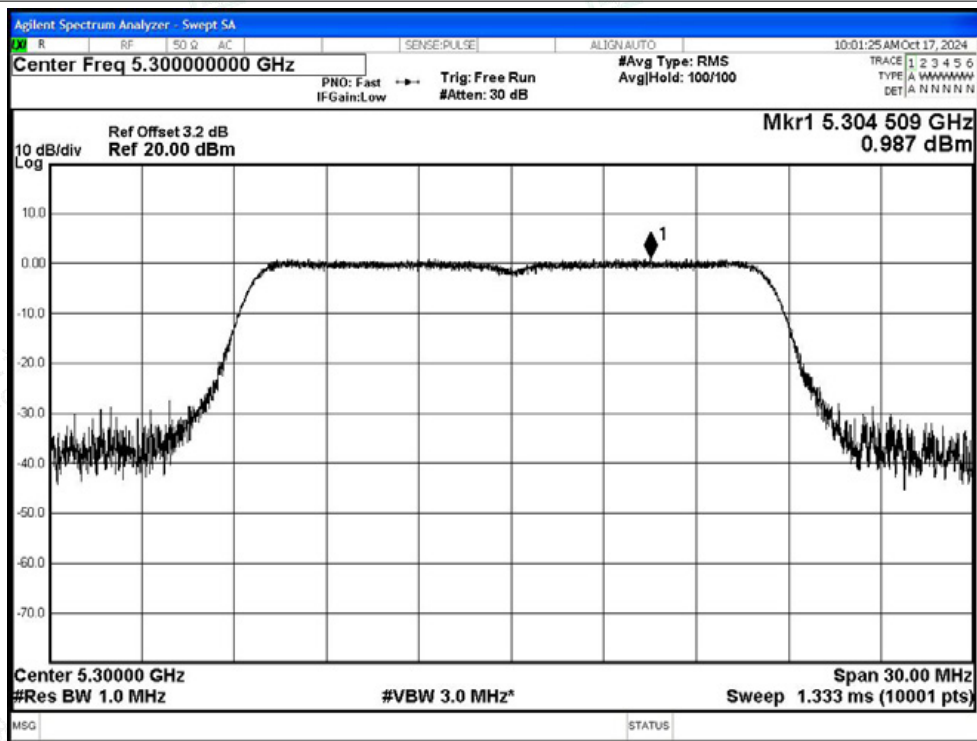


Test Graphs

PSD NVNT a 5260MHz Ant1

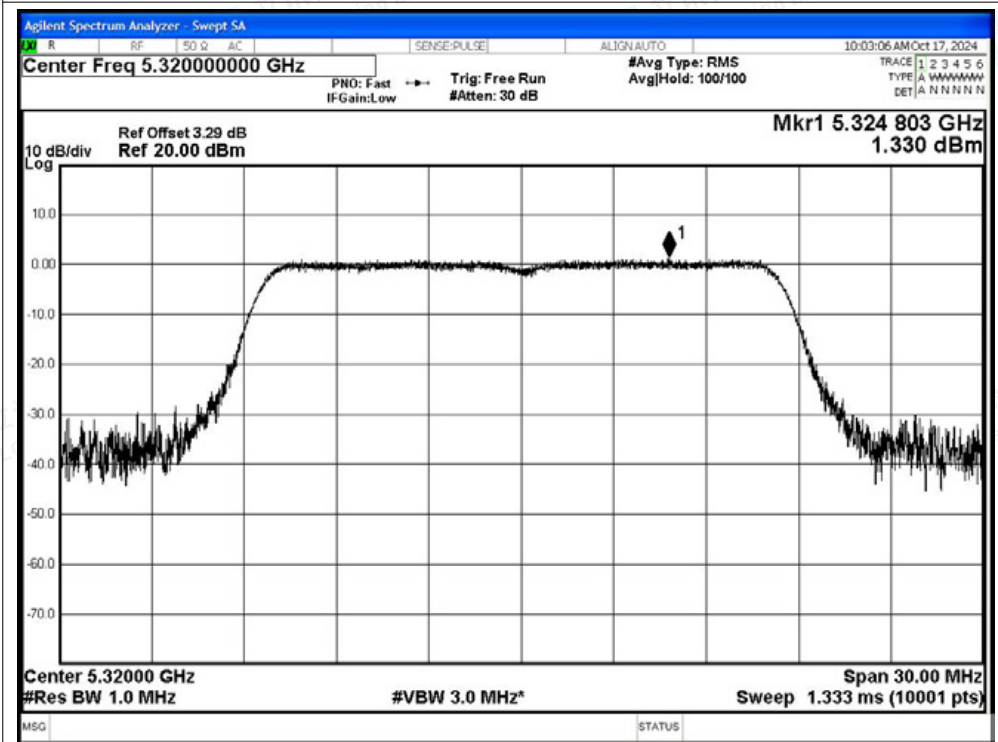


PSD NVNT a 5300MHz Ant1

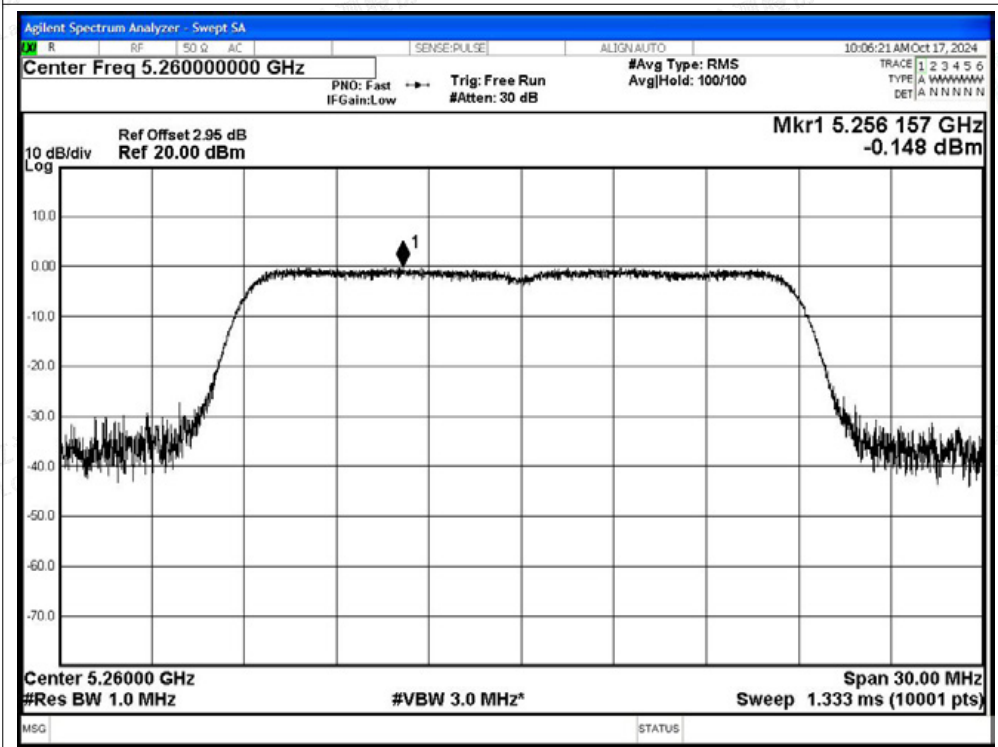




PSD NVNT a 5320MHz Ant1

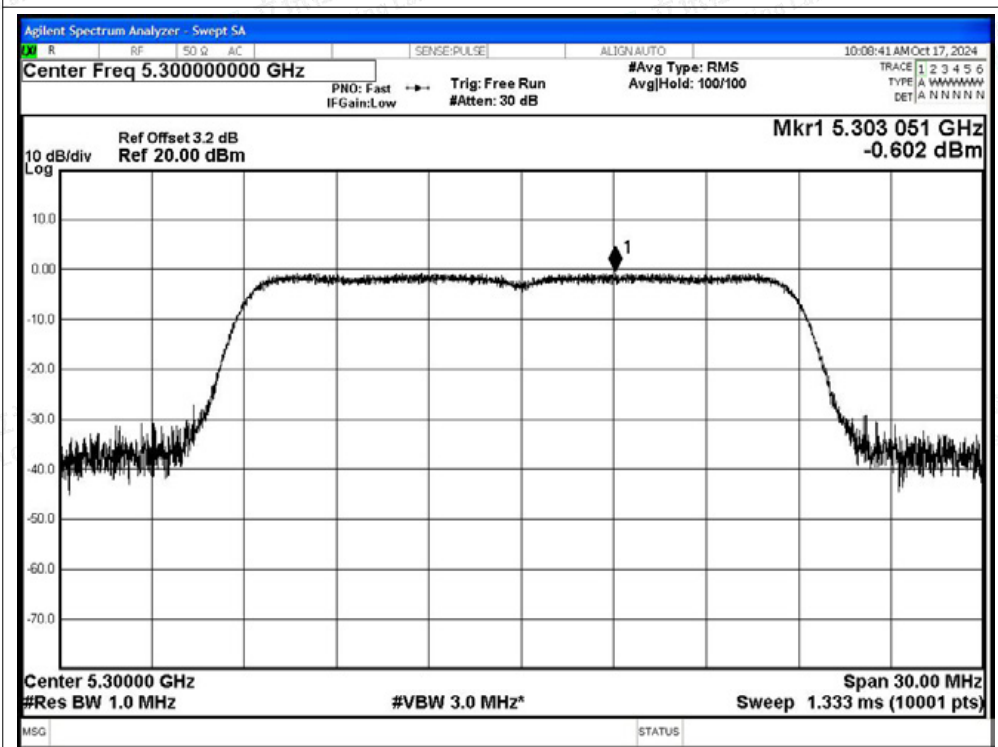


PSD NVNT n20 5260MHz Ant1

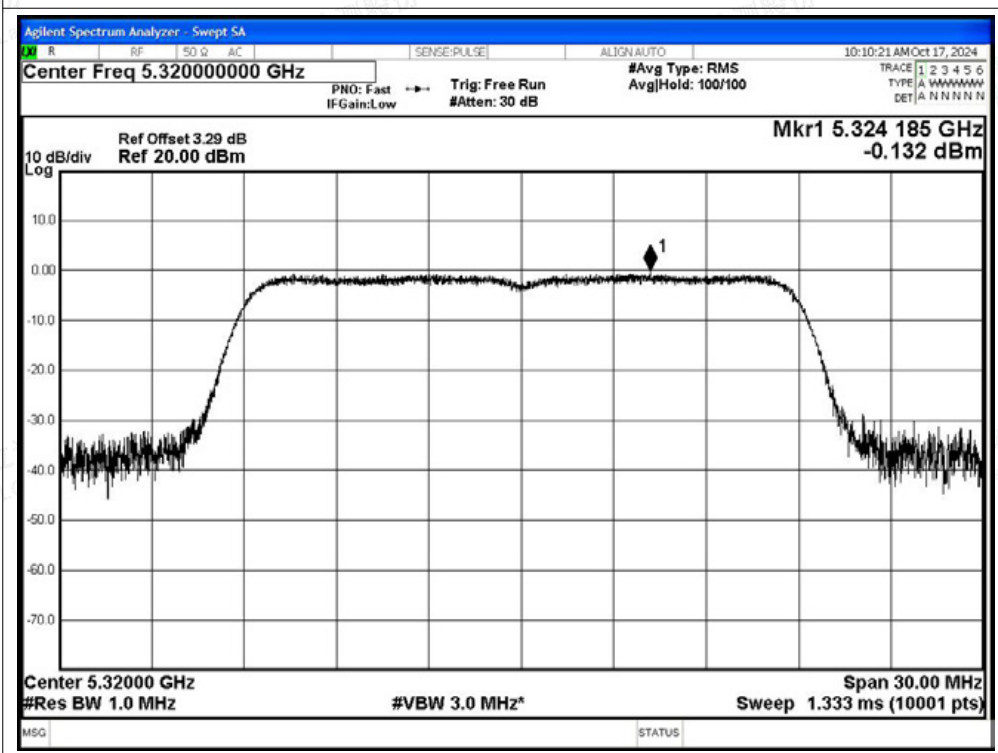




PSD NVNT n20 5300MHz Ant1



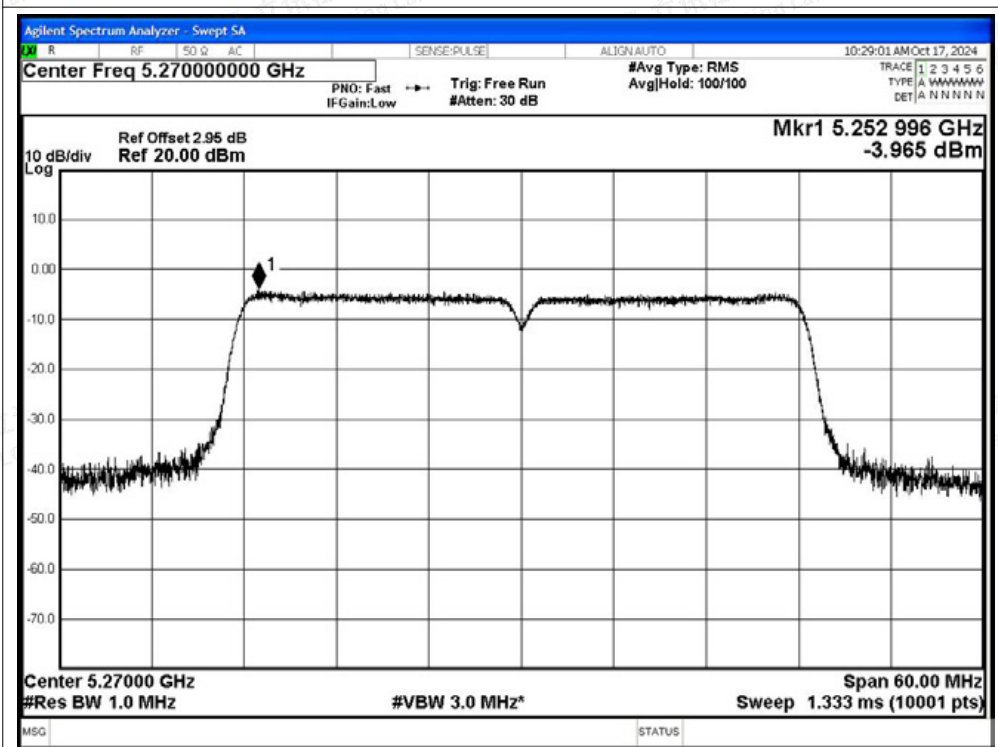
PSD NVNT n20 5320MHz Ant1



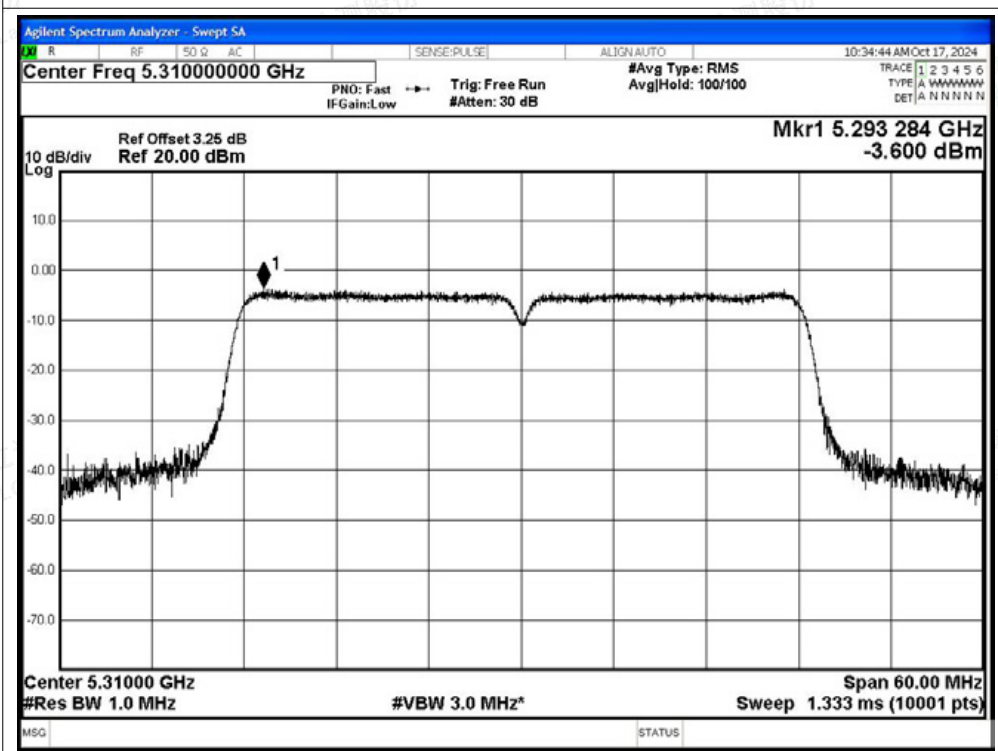




PSD NVNT n40 5270MHz Ant1

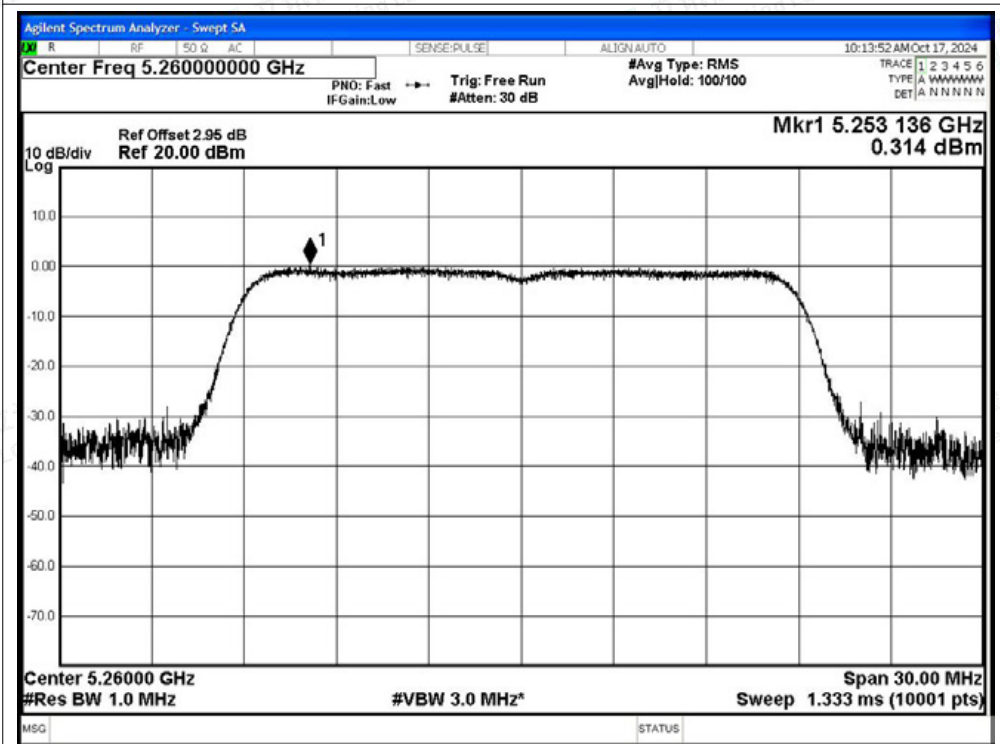


PSD NVNT n40 5310MHz Ant1

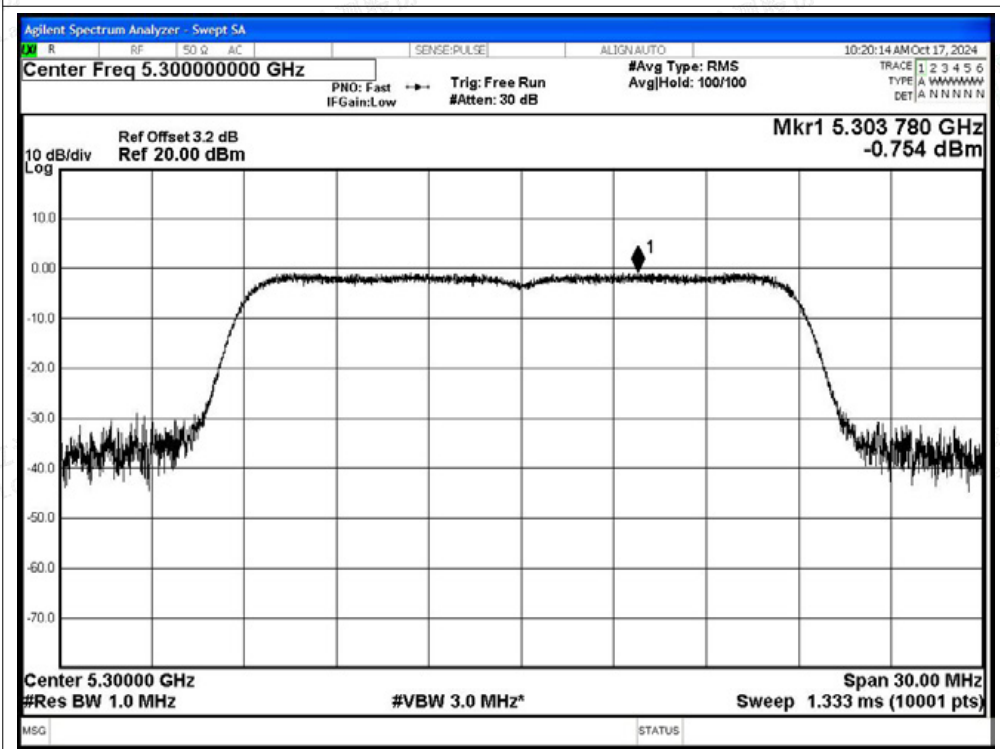




PSD NVNT ac20 5260MHz Ant1

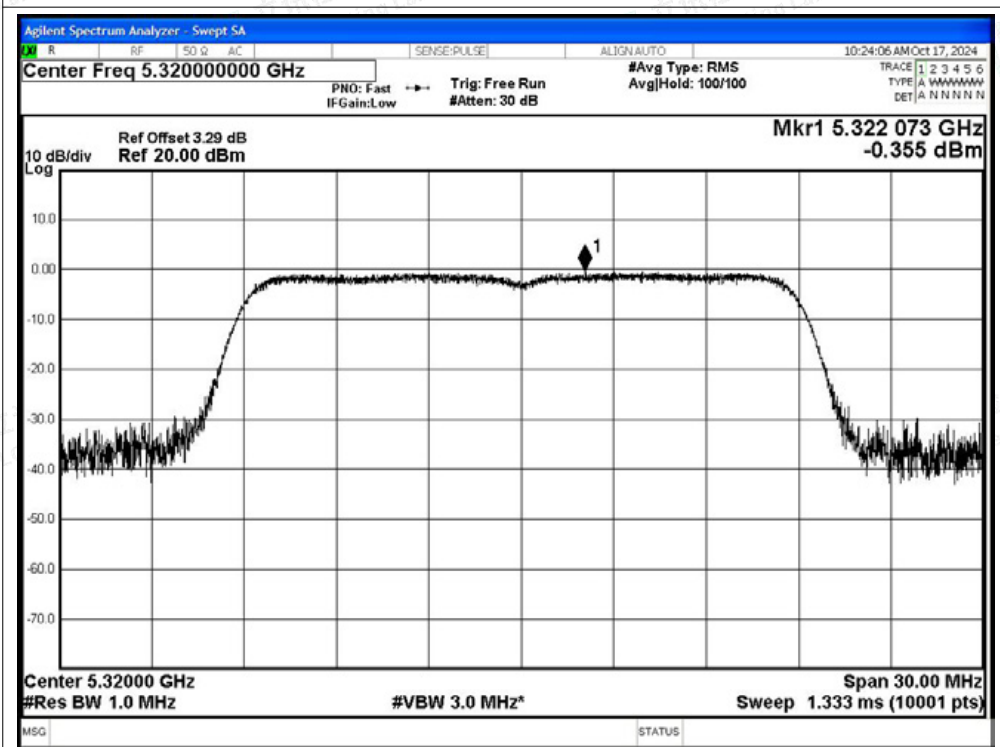


PSD NVNT ac20 5300MHz Ant1

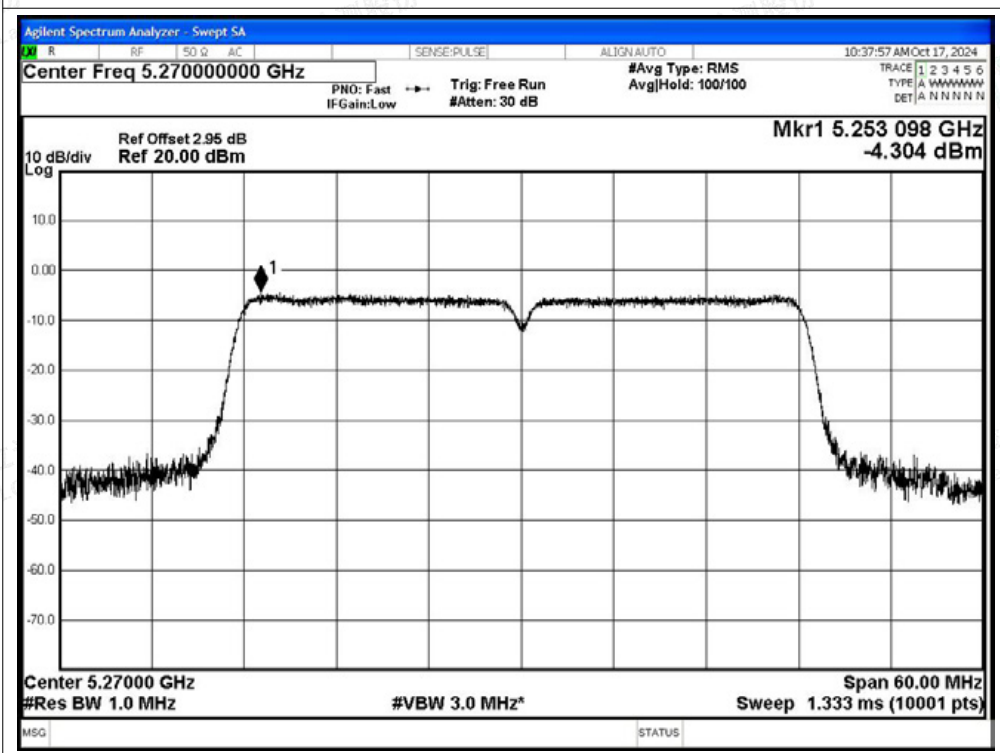


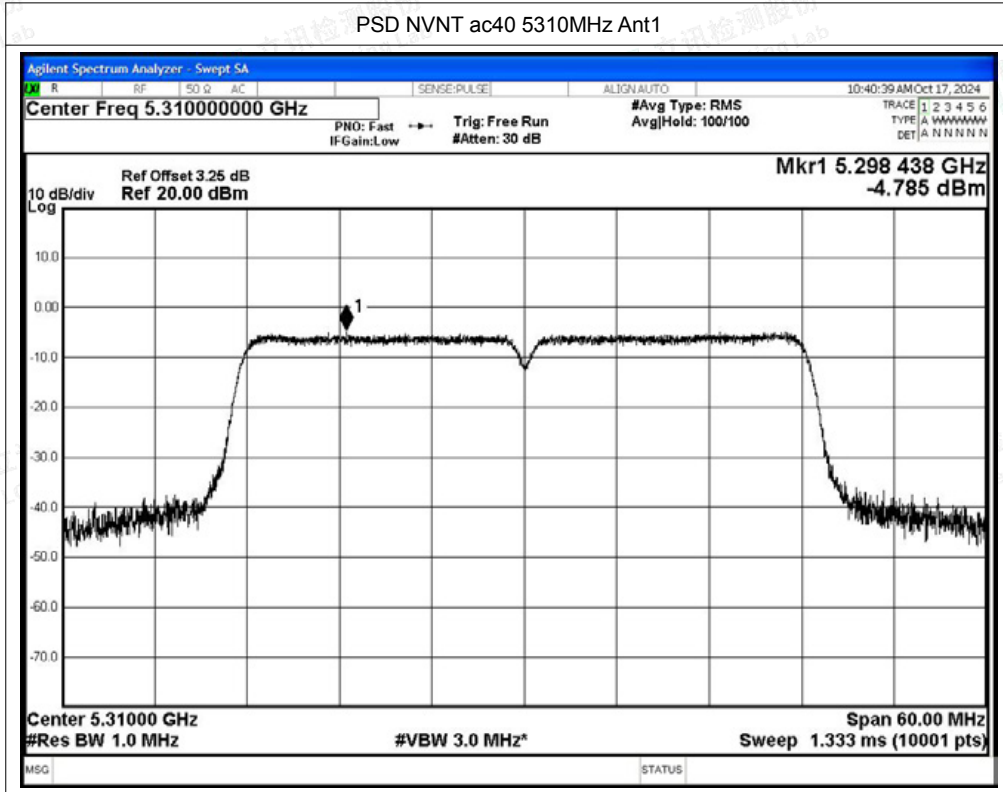


PSD NVNT ac20 5320MHz Ant1



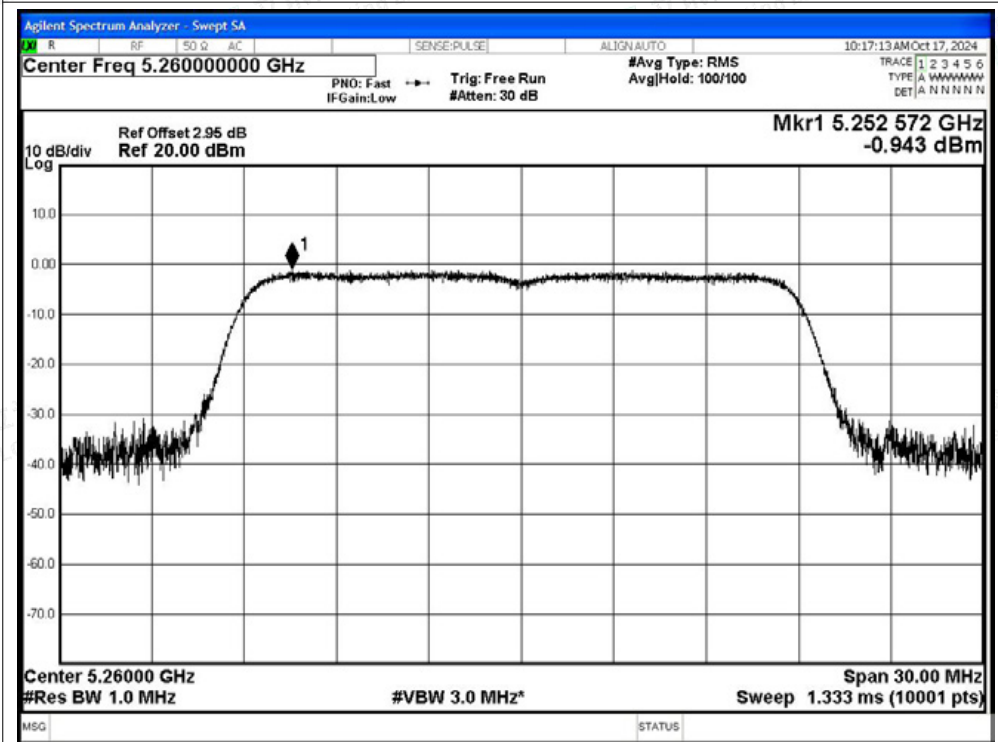
PSD NVNT ac40 5270MHz Ant1



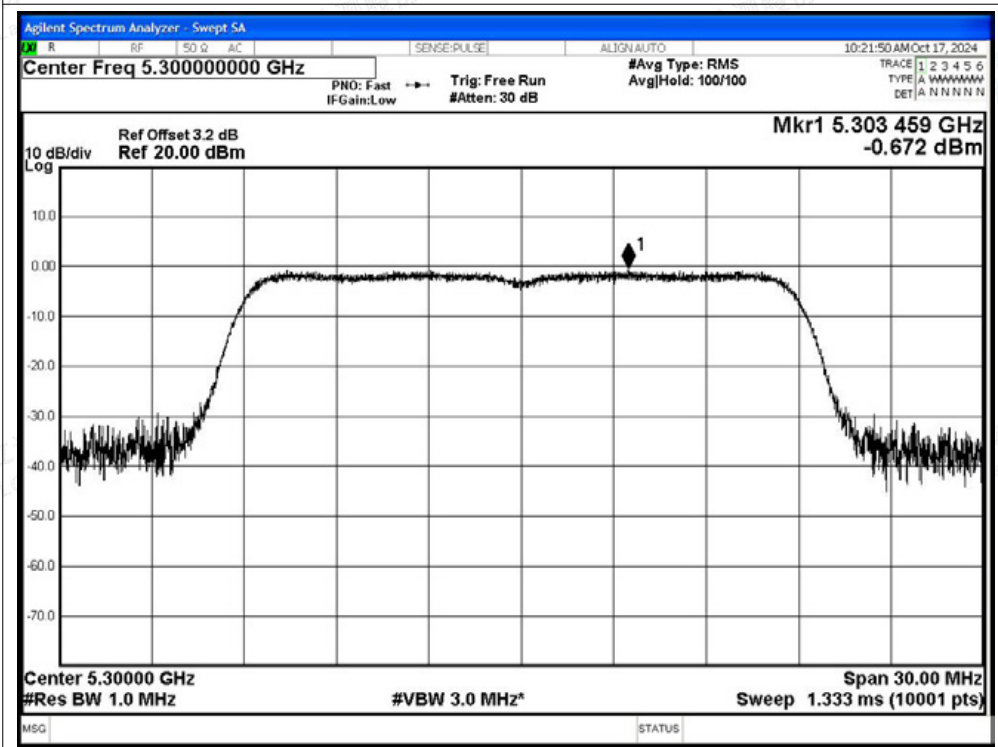




PSD NVNT ax20 5260MHz Ant1

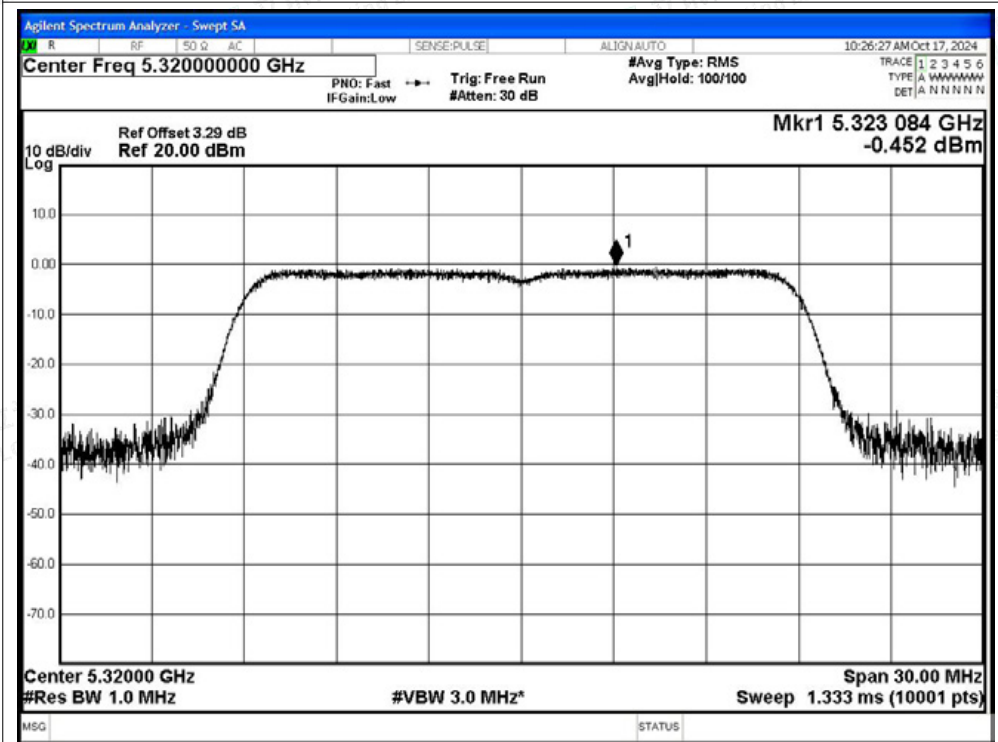


PSD NVNT ax20 5300MHz Ant1





PSD NVNT ax20 5320MHz Ant1



PSD NVNT ax40 5270MHz Ant1

