

Test data attachment for WLAN 5.3G

TABLE OF CONTENTS

8dBi Antenna.....	3
Duty Cycle.....	3
Maximum Conducted Output Power.....	16
-26dB Bandwidth.....	17
Occupied Channel Bandwidth.....	30
Maximum Power Spectral Density Level	43
Band Edge	56
Conducted RF Spurious Emission	67
25dBi Antenna.....	80
Duty Cycle.....	80
Maximum Conducted Output Power	93
-26dB Bandwidth.....	94
Occupied Channel Bandwidth.....	107
Maximum Power Spectral Density Level	120
Band Edge	133
Conducted RF Spurious Emission	144

8dBi Antenna

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ac20	5260	Ant1	98.95	0.05	0.2
NVNT	ac20	5280	Ant1	99	0.04	0.2
NVNT	ac20	5320	Ant1	98.93	0.05	0.2
NVNT	ac20	5260	Ant2	98.92	0.05	0.2
NVNT	ac20	5280	Ant2	98.89	0.05	0.2
NVNT	ac20	5320	Ant2	98.92	0.05	0.2
NVNT	ac40	5270	Ant1	97.87	0.09	0.41
NVNT	ac40	5310	Ant1	97.88	0.09	0.41
NVNT	ac40	5270	Ant2	97.78	0.1	0.41
NVNT	ac40	5310	Ant2	97.88	0.09	0.41
NVNT	ac80	5290	Ant1	95.45	0.2	0.88
NVNT	ac80	5290	Ant2	95.54	0.2	0.88
NVNT	ax20	5260	Ant1	98.74	0.06	0.25
NVNT	ax20	5280	Ant1	98.77	0.05	0.25
NVNT	ax20	5320	Ant1	98.71	0.06	0.25
NVNT	ax20	5260	Ant2	98.65	0.06	0.25
NVNT	ax20	5280	Ant2	98.63	0.06	0.25
NVNT	ax20	5320	Ant2	98.77	0.05	0.25
NVNT	ax40	5270	Ant1	97.53	0.11	0.49
NVNT	ax40	5310	Ant1	97.49	0.11	0.49
NVNT	ax40	5270	Ant2	97.52	0.11	0.49
NVNT	ax40	5310	Ant2	97.62	0.1	0.49
NVNT	ax80	5290	Ant1	95.03	0.22	1
NVNT	ax80	5290	Ant2	95.02	0.22	1

Maximum Conducted Output Power

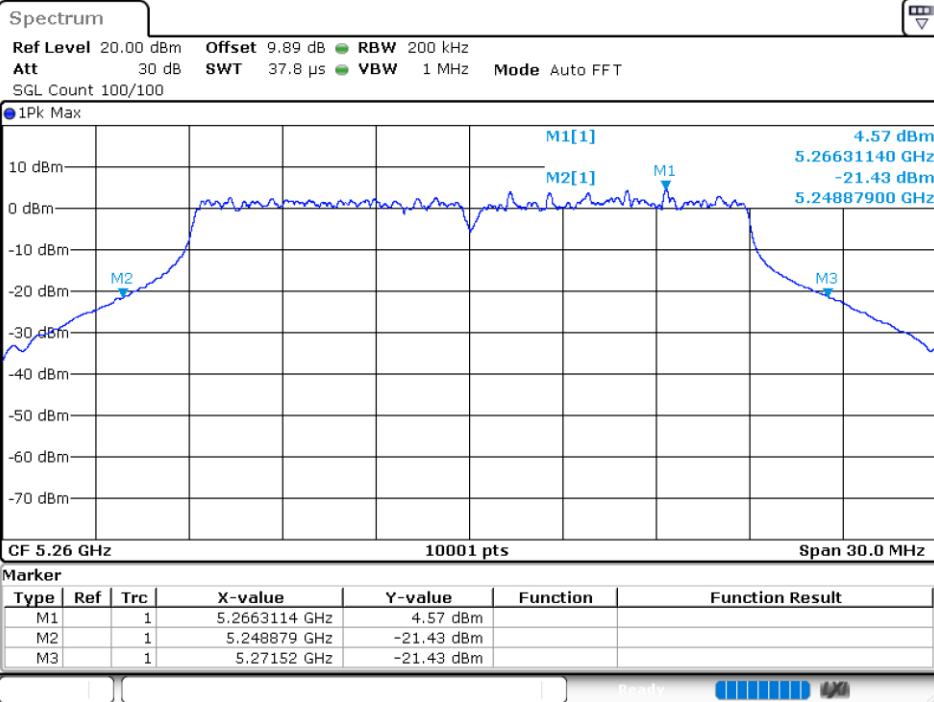
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5260	Ant1	14.17	0.05	14.22	16.83	22	Pass
NVNT	ac20	5260	Ant2	13.33	0.04	13.37			
NVNT	ac20	5280	Ant1	12.96	0.05	13.01	16.21	22	Pass
NVNT	ac20	5280	Ant2	13.34	0.05	13.39			
NVNT	ac20	5320	Ant1	13.12	0.05	13.17	16.27	22	Pass
NVNT	ac20	5320	Ant2	13.3	0.05	13.35			
NVNT	ac40	5270	Ant1	13.7	0.09	13.79	16.89	22	Pass
NVNT	ac40	5270	Ant2	13.87	0.09	13.96			
NVNT	ac40	5310	Ant1	13.69	0.1	13.79	16.84	22	Pass
NVNT	ac40	5310	Ant2	13.78	0.09	13.87			
NVNT	ac80	5290	Ant1	13.52	0.2	13.72	16.76	22	Pass
NVNT	ac80	5290	Ant2	13.57	0.2	13.77			
NVNT	ax20	5260	Ant1	14.15	0.06	14.21	16.85	22	Pass
NVNT	ax20	5260	Ant2	13.38	0.05	13.43			
NVNT	ax20	5280	Ant1	13.09	0.06	13.15	16.38	22	Pass
NVNT	ax20	5280	Ant2	13.52	0.06	13.58			
NVNT	ax20	5320	Ant1	13.13	0.06	13.19	16.34	22	Pass
NVNT	ax20	5320	Ant2	13.42	0.05	13.47			
NVNT	ax40	5270	Ant1	13.78	0.11	13.89	16.92	22	Pass
NVNT	ax40	5270	Ant2	13.83	0.11	13.94			
NVNT	ax40	5310	Ant1	13.68	0.11	13.79	16.85	22	Pass
NVNT	ax40	5310	Ant2	13.79	0.1	13.89			
NVNT	ax80	5290	Ant1	13.32	0.22	13.54	16.55	22	Pass
NVNT	ax80	5290	Ant2	13.32	0.22	13.54			

-26dB Bandwidth

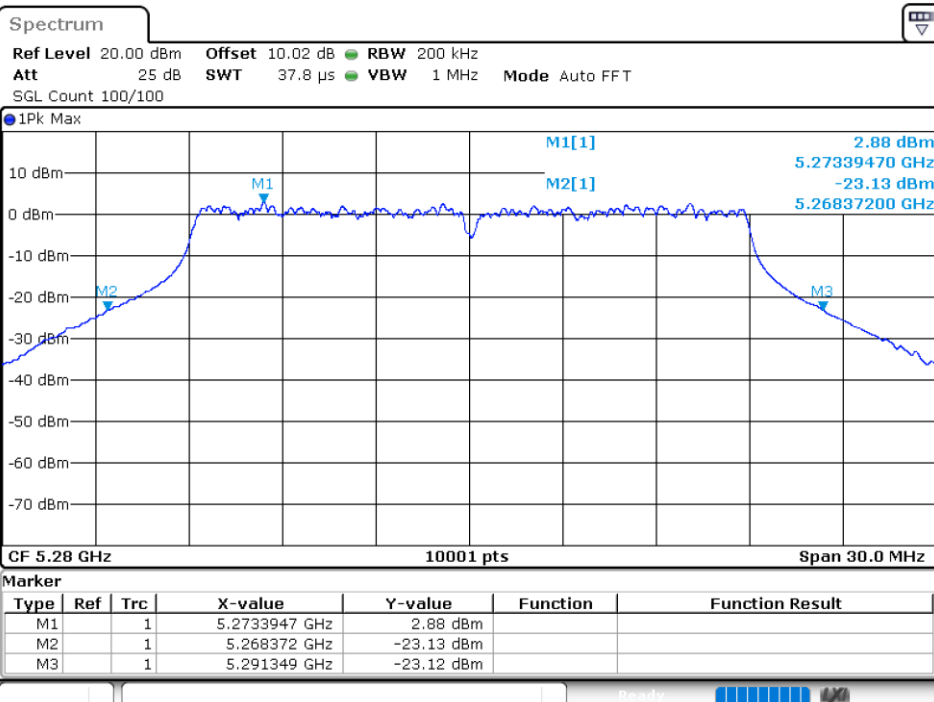
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	ac20	5260	Ant1	22.641
NVNT	ac20	5280	Ant1	22.977
NVNT	ac20	5320	Ant1	24.552
NVNT	ac20	5260	Ant2	23.349
NVNT	ac20	5280	Ant2	23.889
NVNT	ac20	5320	Ant2	23.094
NVNT	ac40	5270	Ant1	41.532
NVNT	ac40	5310	Ant1	41.772
NVNT	ac40	5270	Ant2	40.866
NVNT	ac40	5310	Ant2	41.472
NVNT	ac80	5290	Ant1	87.396
NVNT	ac80	5290	Ant2	87.876
NVNT	ax20	5260	Ant1	22.686
NVNT	ax20	5280	Ant1	22.716
NVNT	ax20	5320	Ant1	23.565
NVNT	ax20	5260	Ant2	23.487
NVNT	ax20	5280	Ant2	24.075
NVNT	ax20	5320	Ant2	22.815
NVNT	ax40	5270	Ant1	40.284
NVNT	ax40	5310	Ant1	42.102
NVNT	ax40	5270	Ant2	41.784
NVNT	ax40	5310	Ant2	42.342
NVNT	ax80	5290	Ant1	87
NVNT	ax80	5290	Ant2	87.648

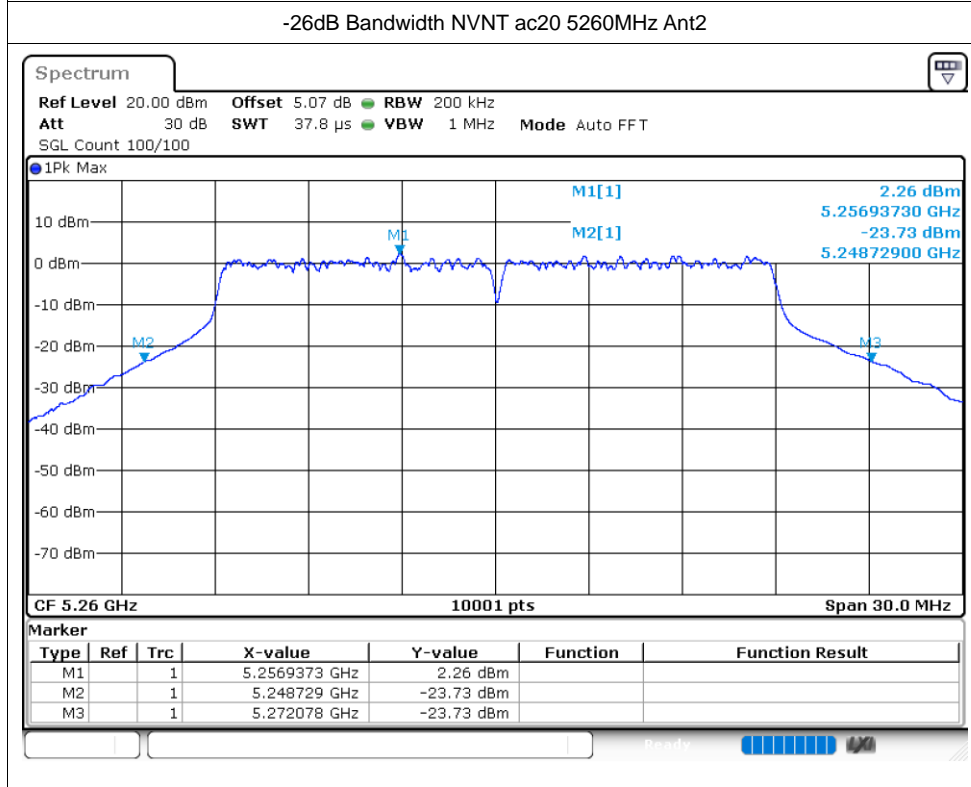
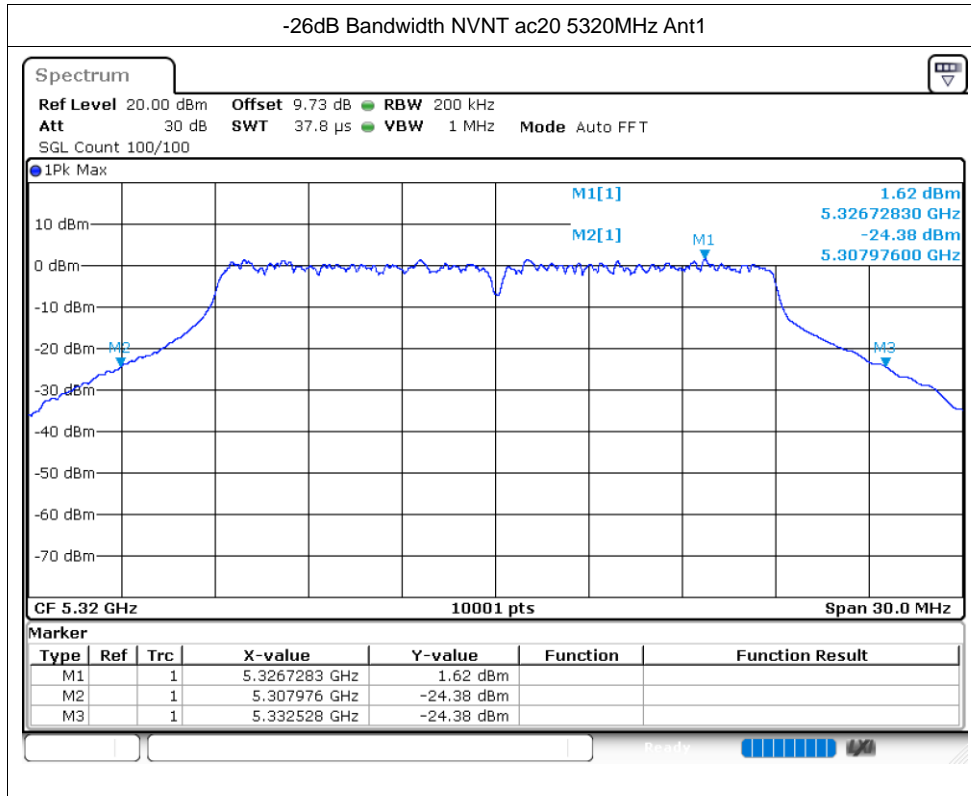
Test Graphs

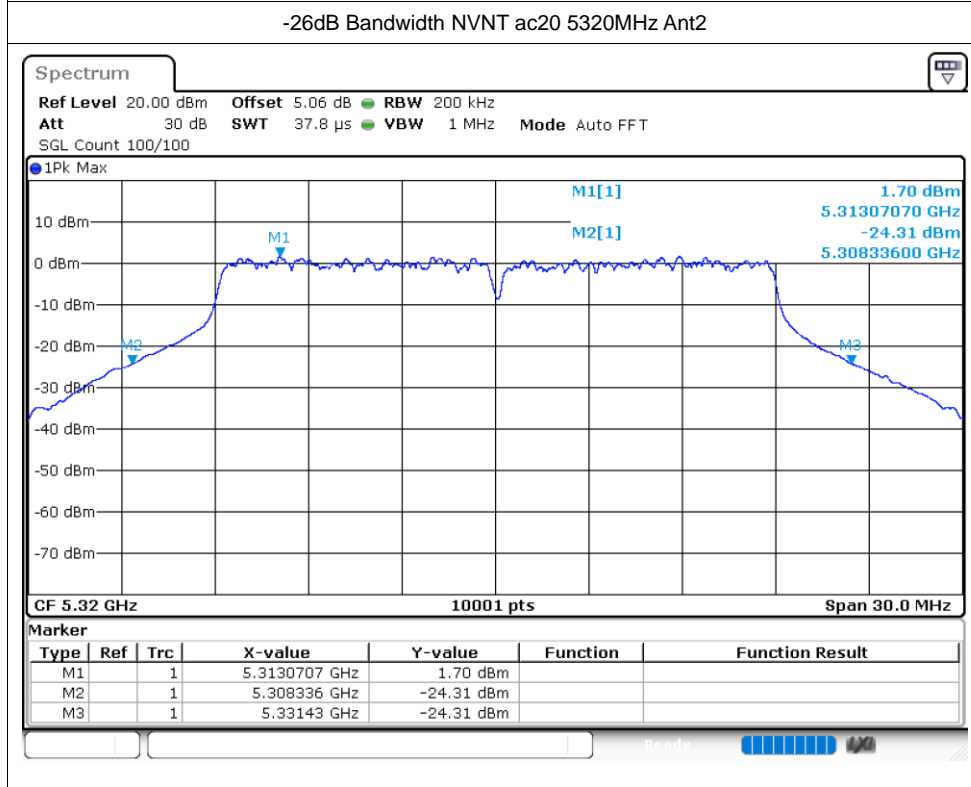
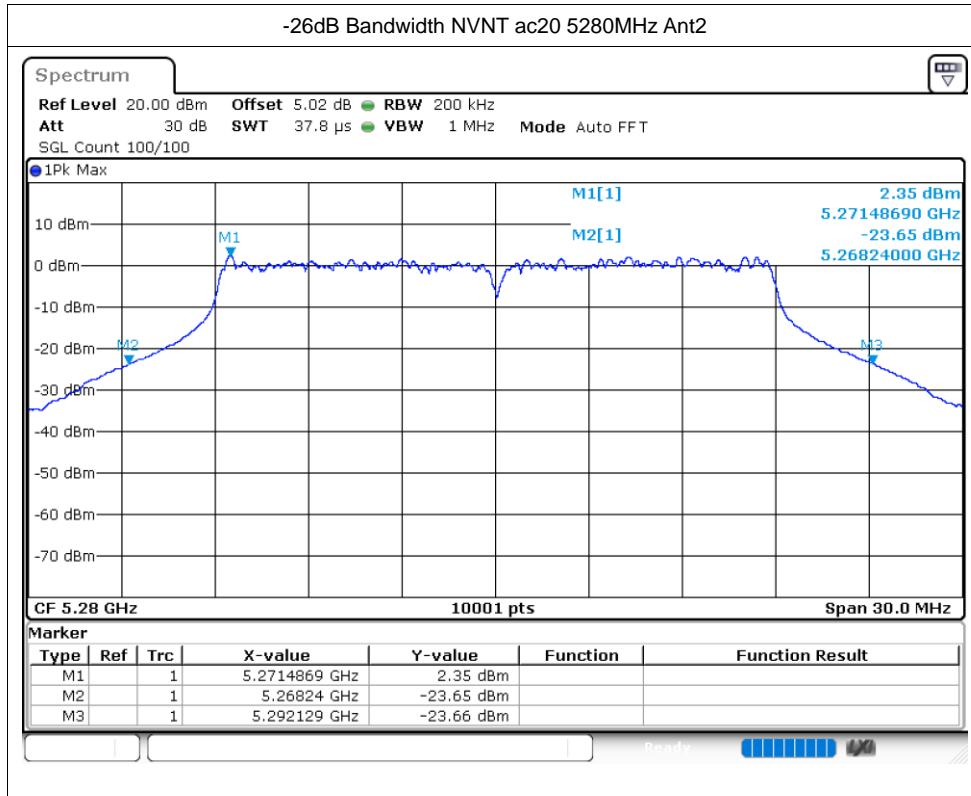
-26dB Bandwidth NVNT ac20 5260MHz Ant1

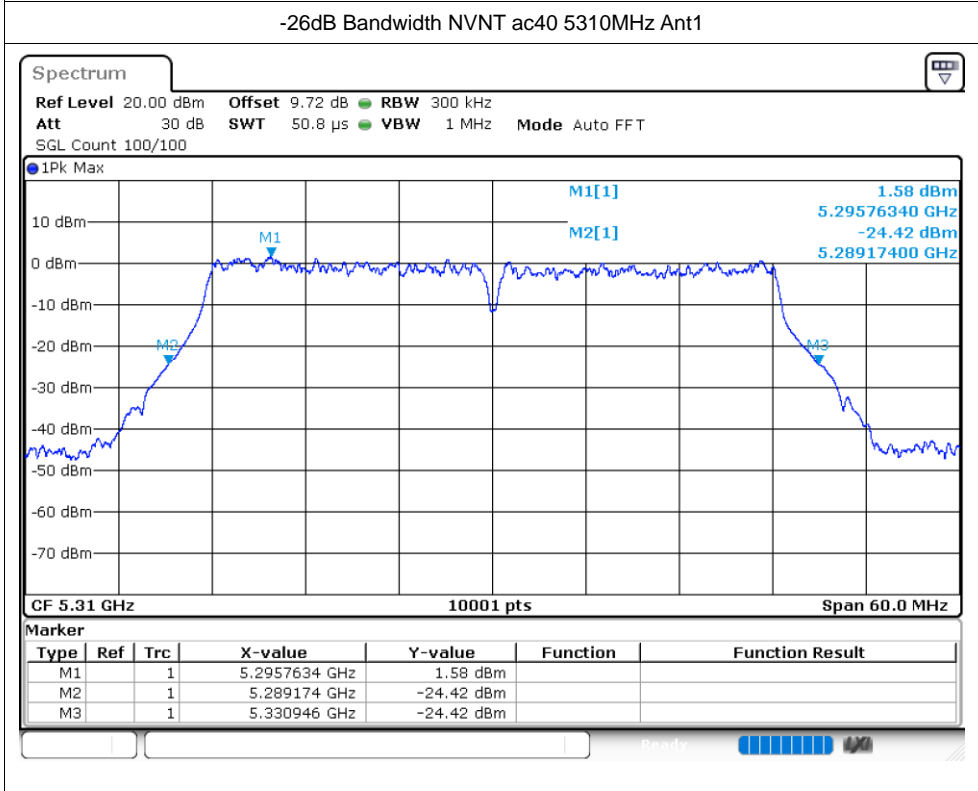
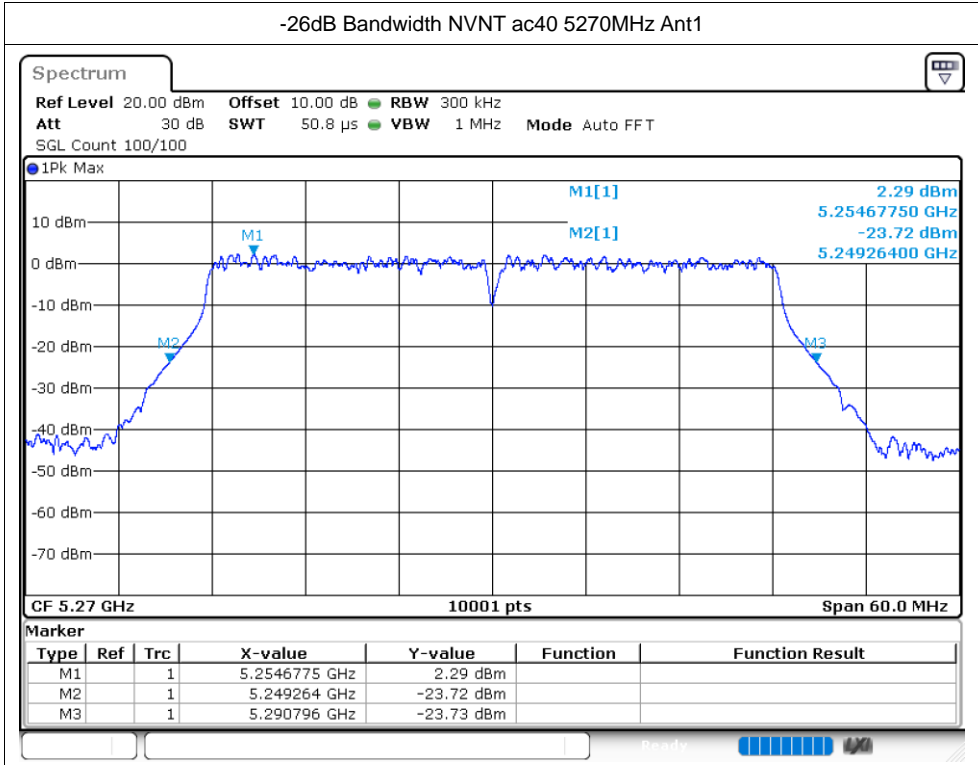


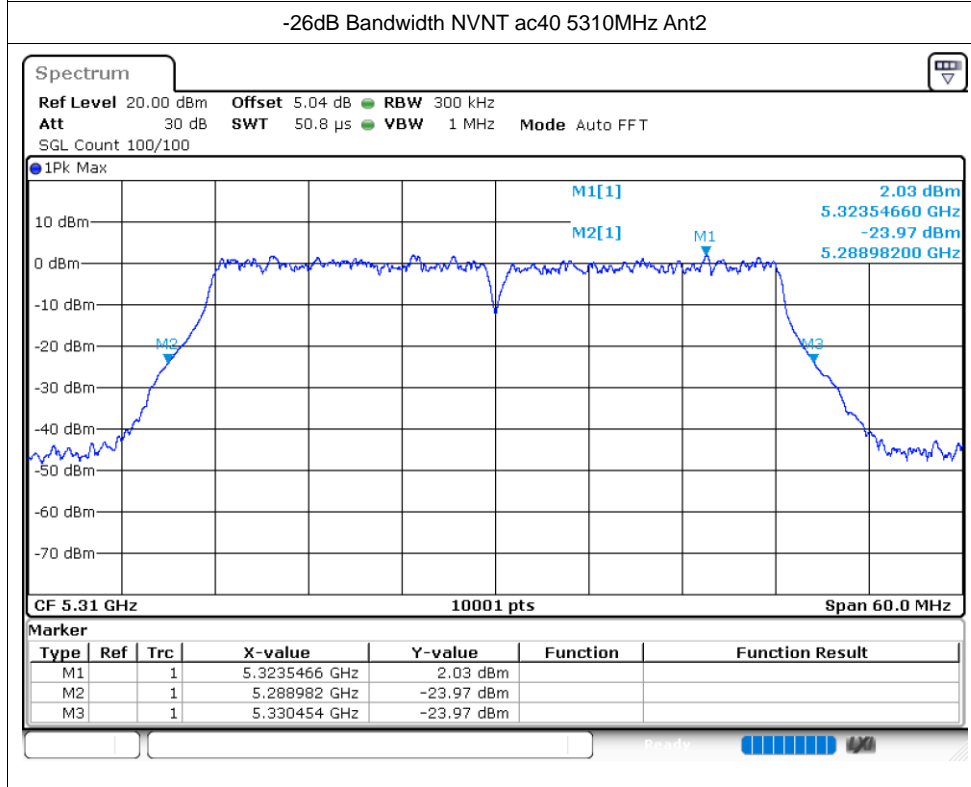
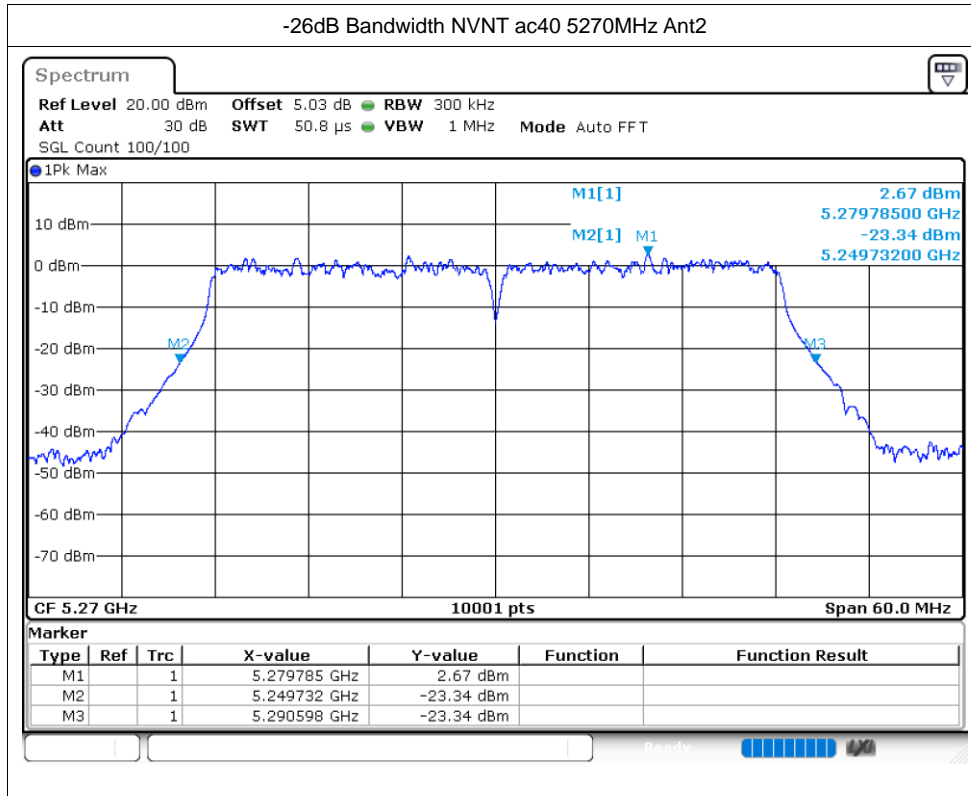
-26dB Bandwidth NVNT ac20 5280MHz Ant1

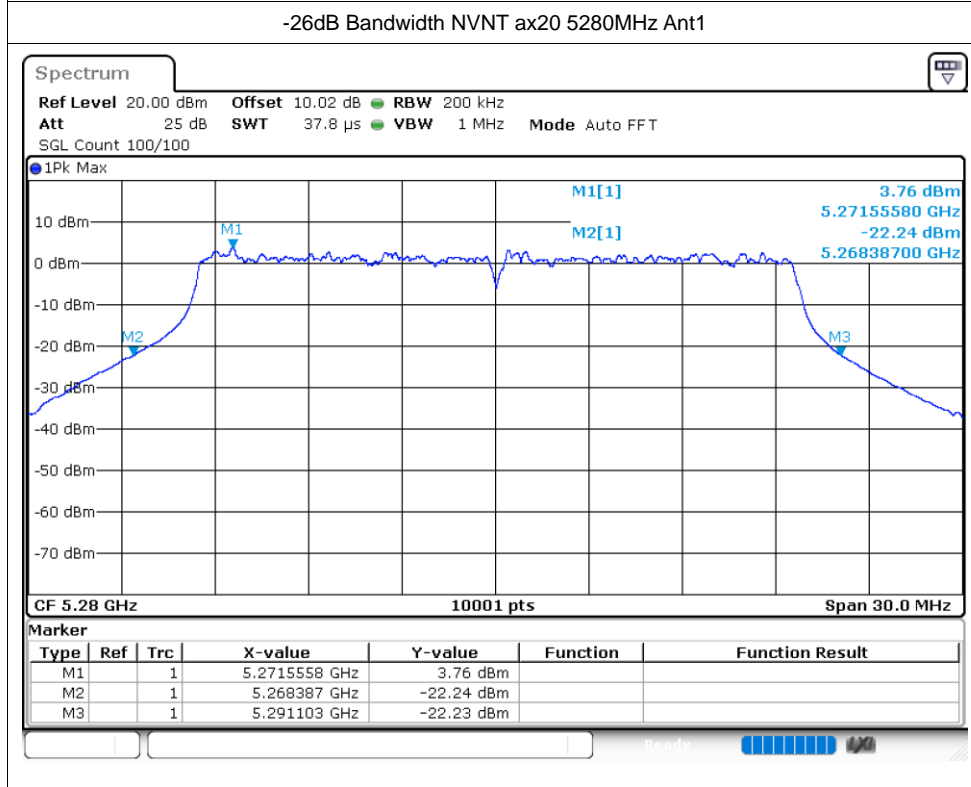
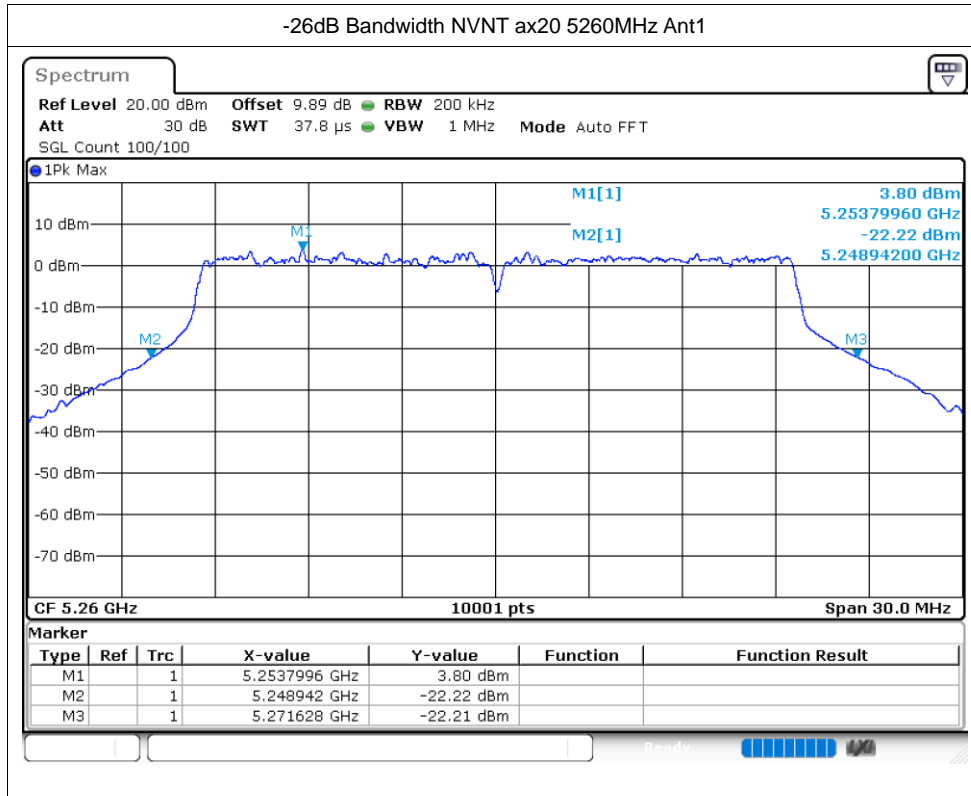


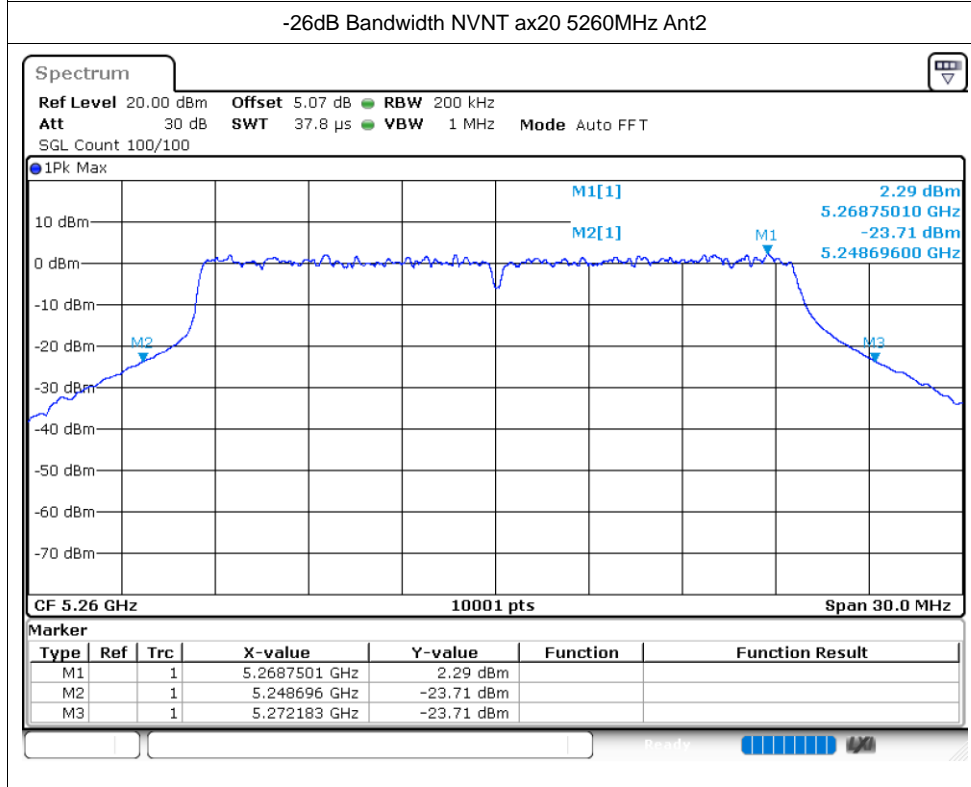
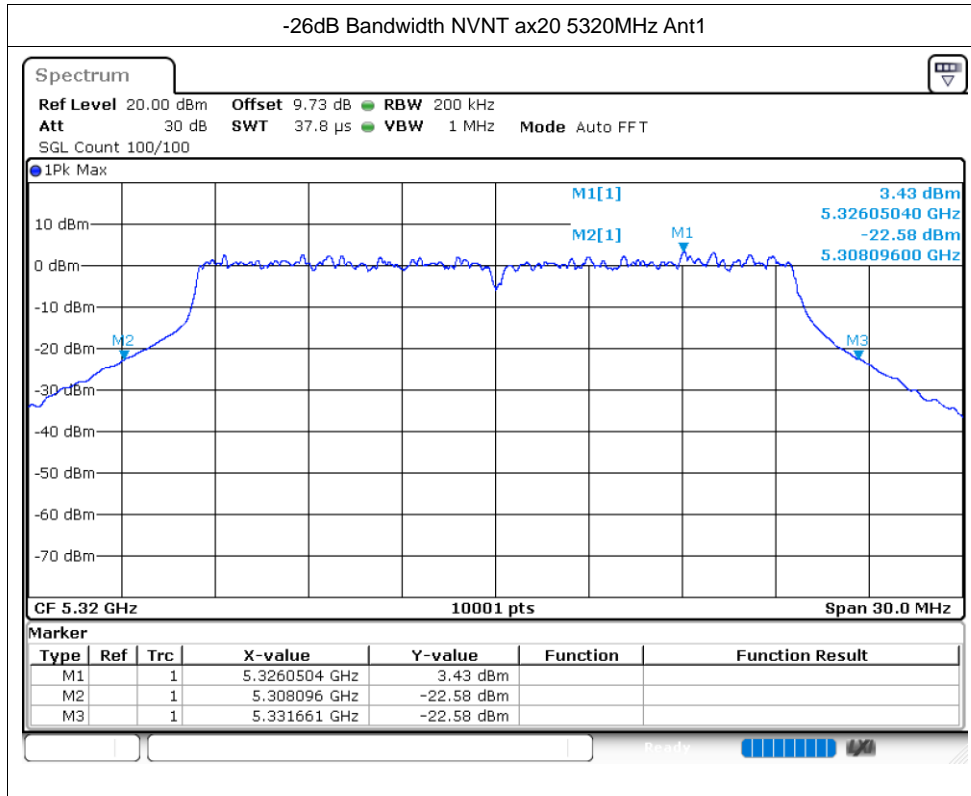


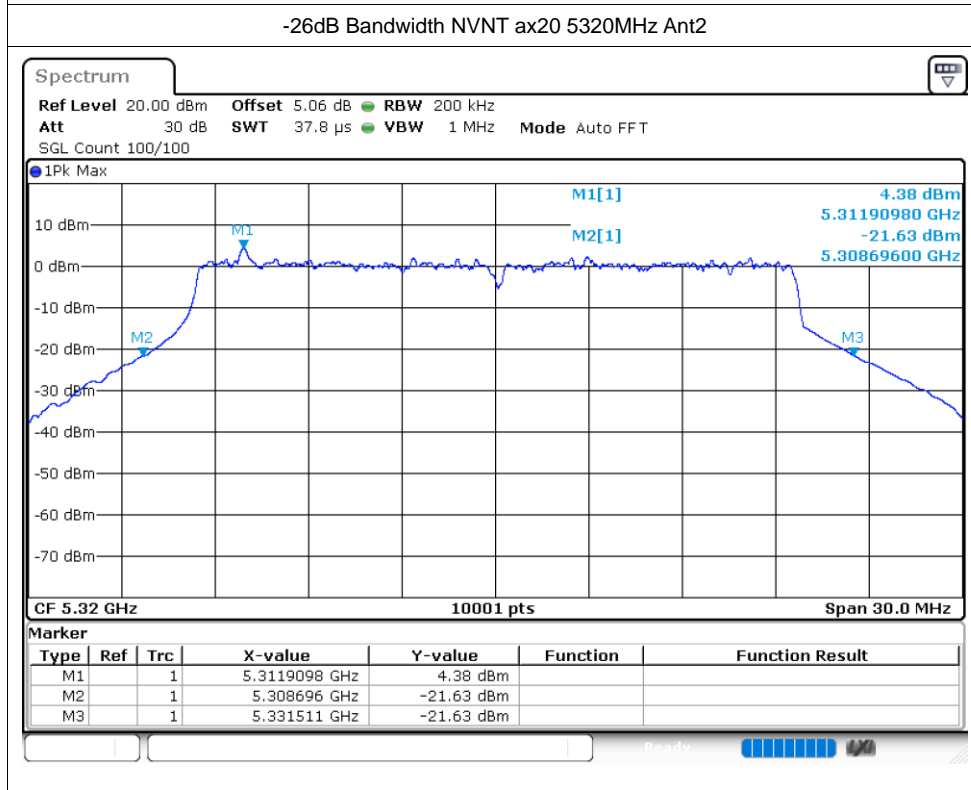
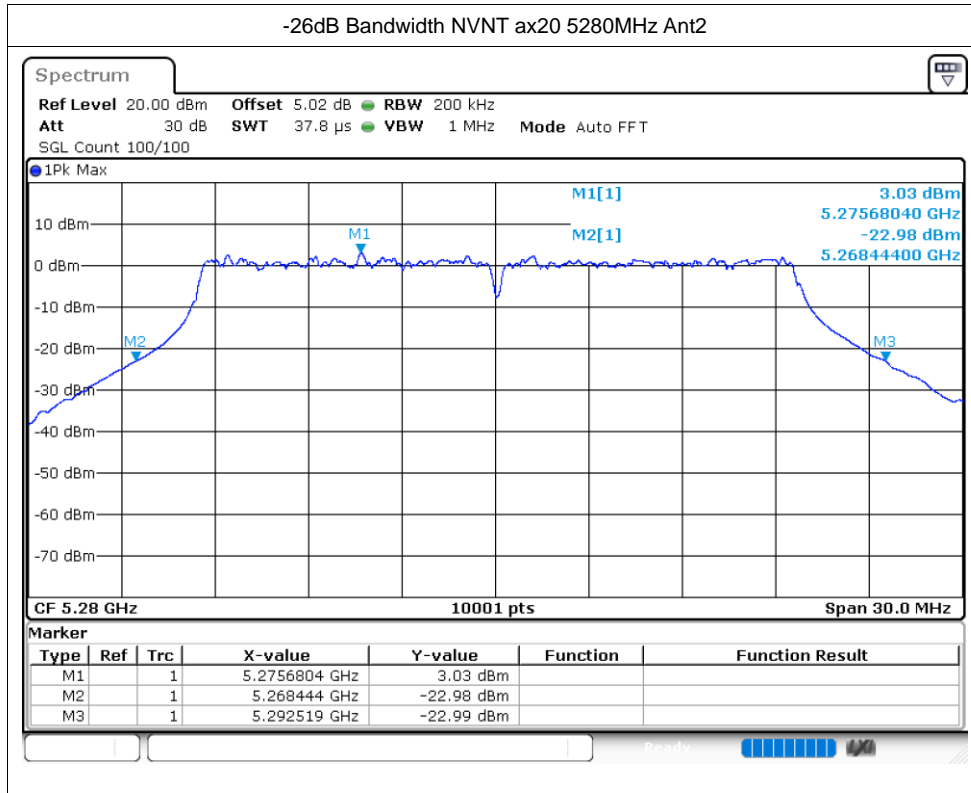


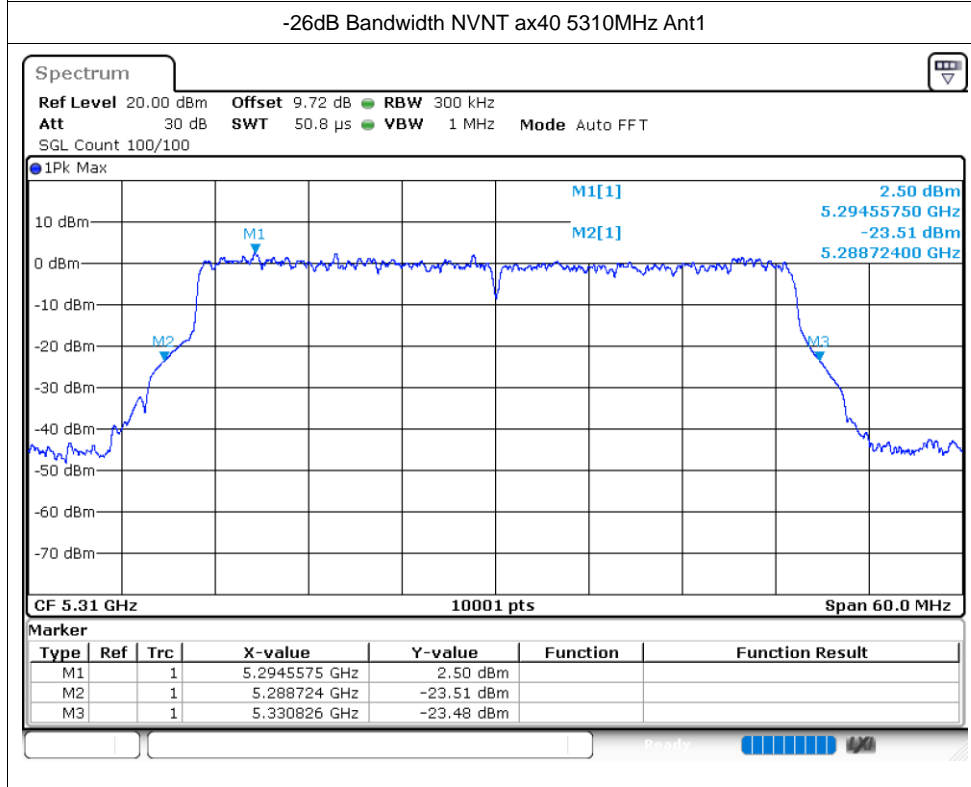
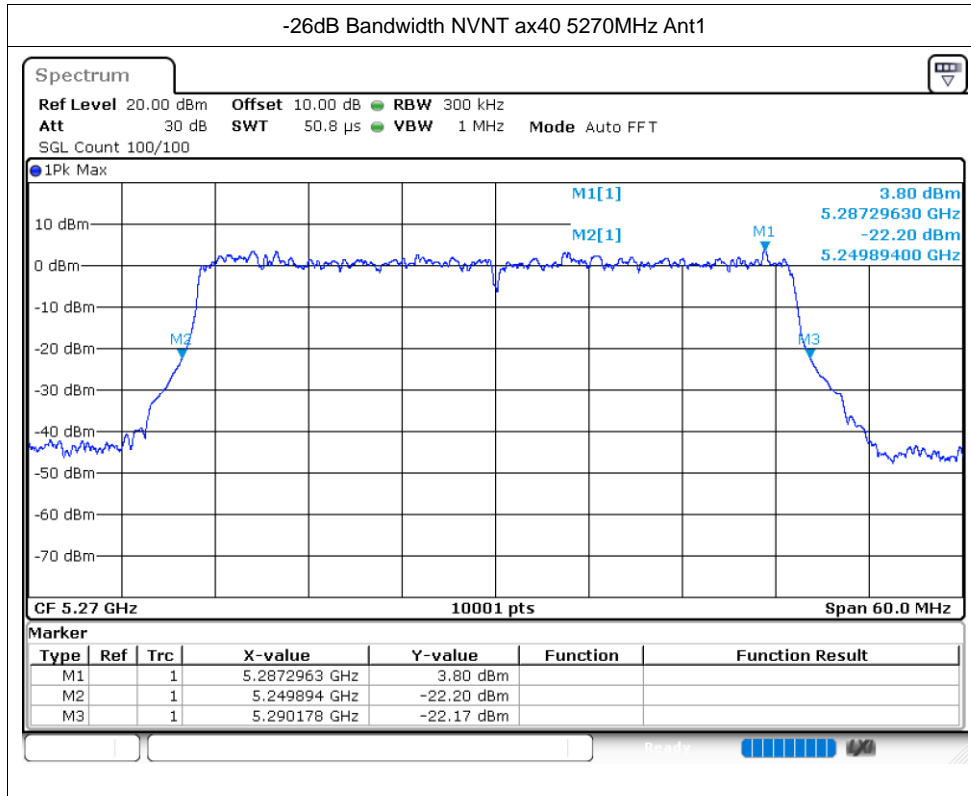


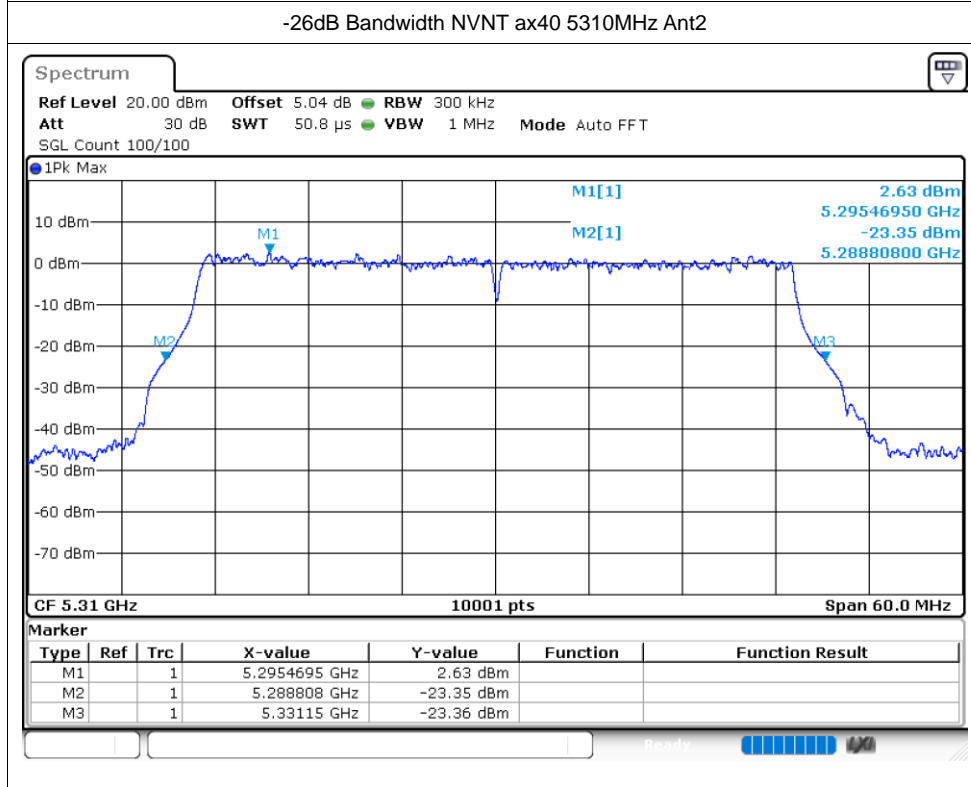
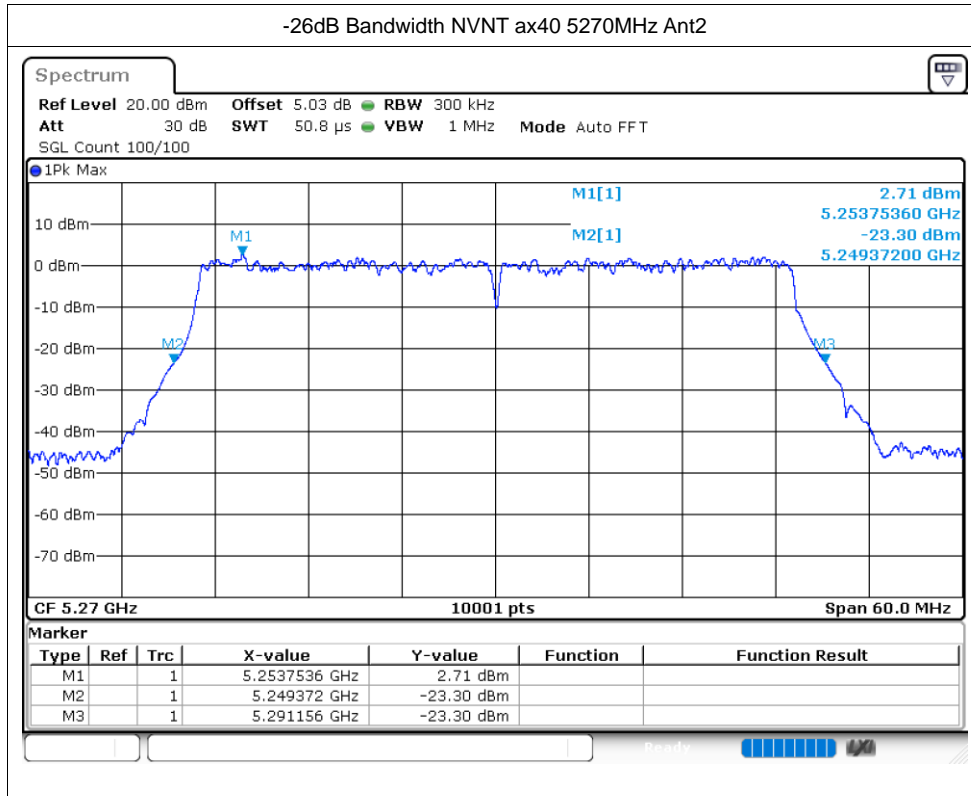


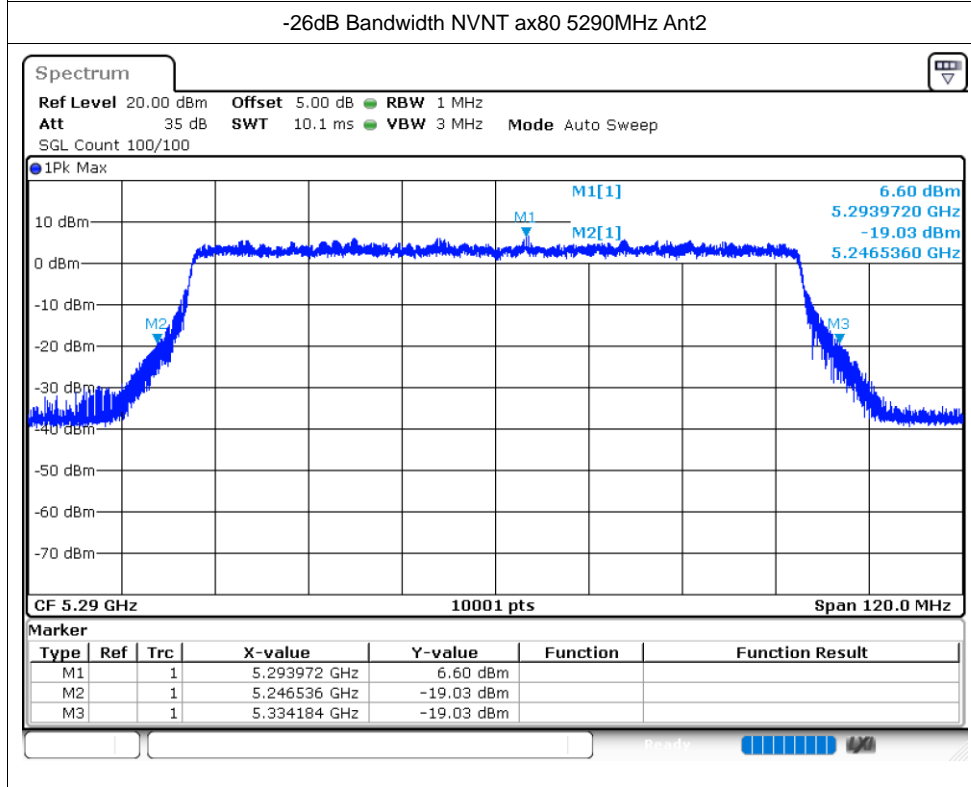
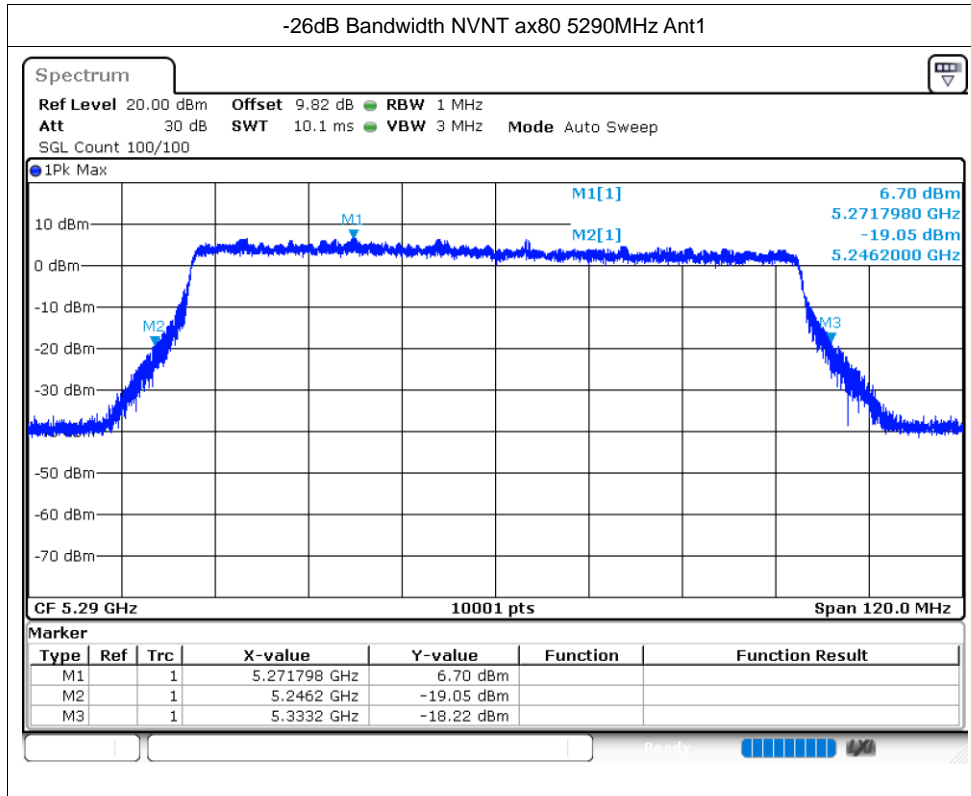












Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ac20	5260	Ant1	17.866
NVNT	ac20	5280	Ant1	17.902
NVNT	ac20	5320	Ant1	17.929
NVNT	ac20	5260	Ant2	17.854
NVNT	ac20	5280	Ant2	18.109
NVNT	ac20	5320	Ant2	17.869
NVNT	ac40	5270	Ant1	36.578
NVNT	ac40	5310	Ant1	36.728
NVNT	ac40	5270	Ant2	36.638
NVNT	ac40	5310	Ant2	36.644
NVNT	ac80	5290	Ant1	76.048
NVNT	ac80	5290	Ant2	76.072
NVNT	ax20	5260	Ant1	19.048
NVNT	ax20	5280	Ant1	19.096
NVNT	ax20	5320	Ant1	19.138
NVNT	ax20	5260	Ant2	19.096
NVNT	ax20	5280	Ant2	19.069
NVNT	ax20	5320	Ant2	19.042
NVNT	ax40	5270	Ant1	37.826
NVNT	ax40	5310	Ant1	37.91
NVNT	ax40	5270	Ant2	37.874
NVNT	ax40	5310	Ant2	37.886
NVNT	ax80	5290	Ant1	77.452
NVNT	ax80	5290	Ant2	77.464

