

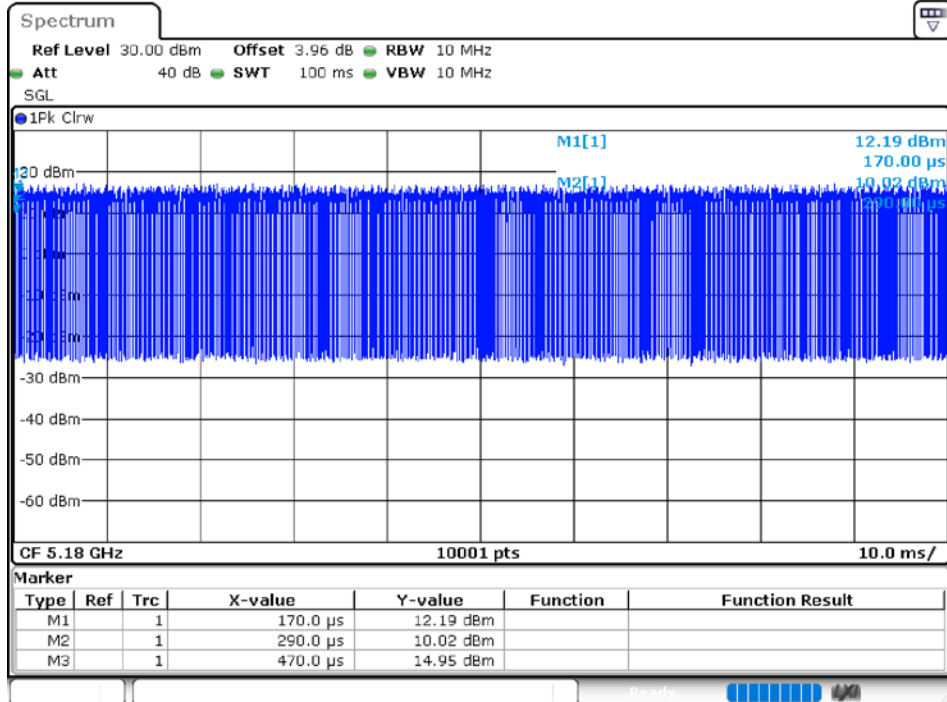
WIFI 5.2G:

Duty Cycle

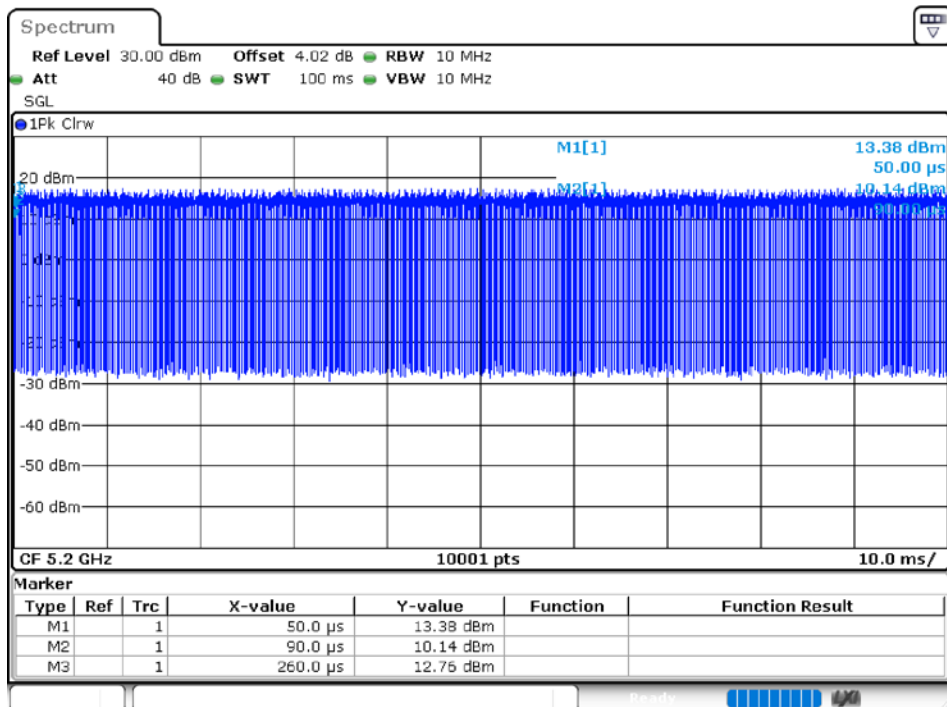
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	98.12	0.08	0.31
NVNT	a	5200	Ant1	98.12	0.08	0.31
NVNT	a	5240	Ant1	98.12	0.08	0.31
NVNT	n20	5180	Ant1	98.05	0.09	0.77
NVNT	n20	5200	Ant1	98.05	0.09	0.77
NVNT	n20	5240	Ant1	98.05	0.09	0.77
NVNT	ac20	5180	Ant1	97.68	0.10	0.76
NVNT	ac20	5200	Ant1	98.05	0.09	0.76
NVNT	ac20	5240	Ant1	98.08	0.08	0.76
NVNT	ax20	5180	Ant1	98.42	0.07	0.99
NVNT	ax20	5200	Ant1	98.42	0.07	0.98
NVNT	ax20	5240	Ant1	98.42	0.07	0.99

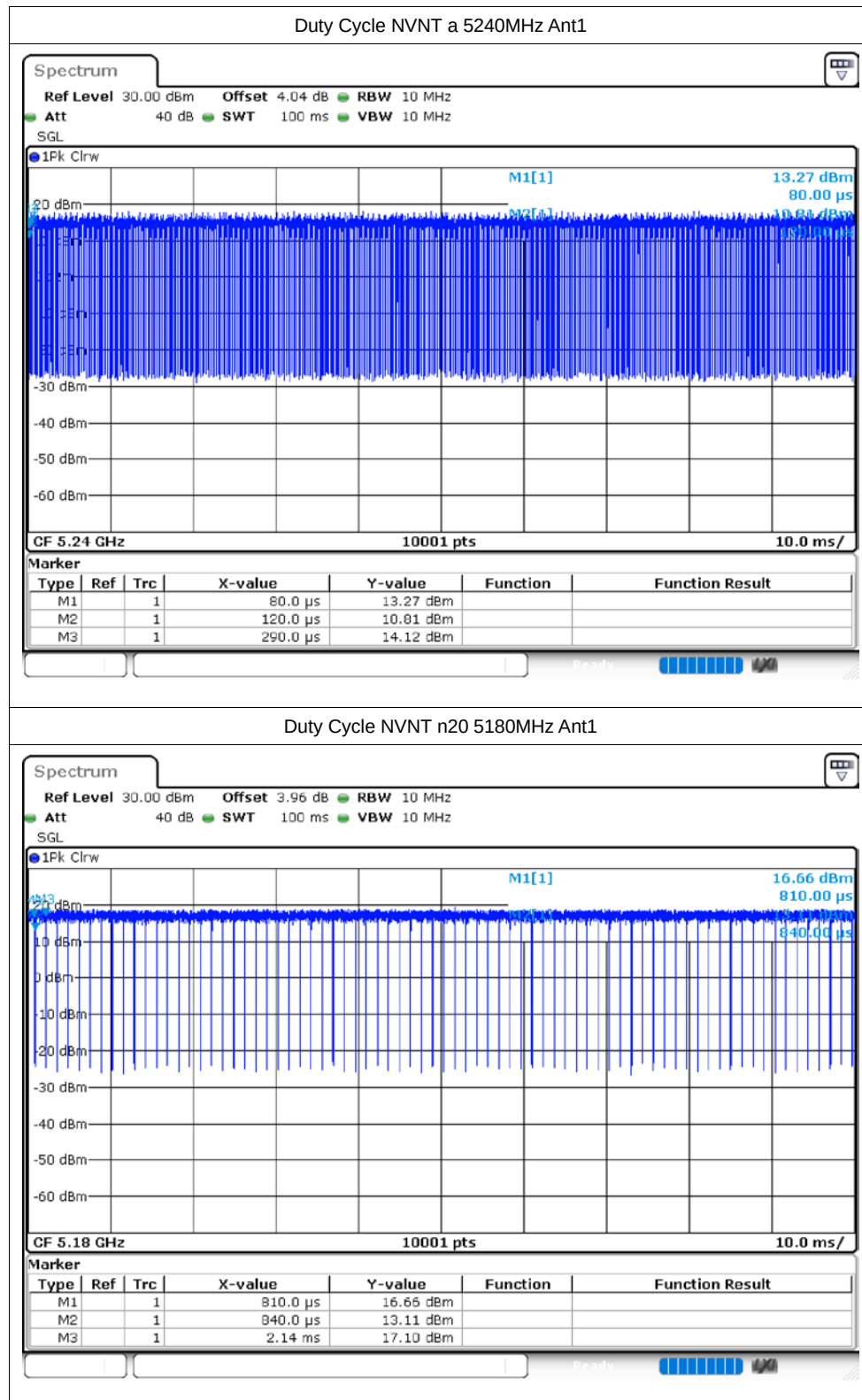
Test Graphs

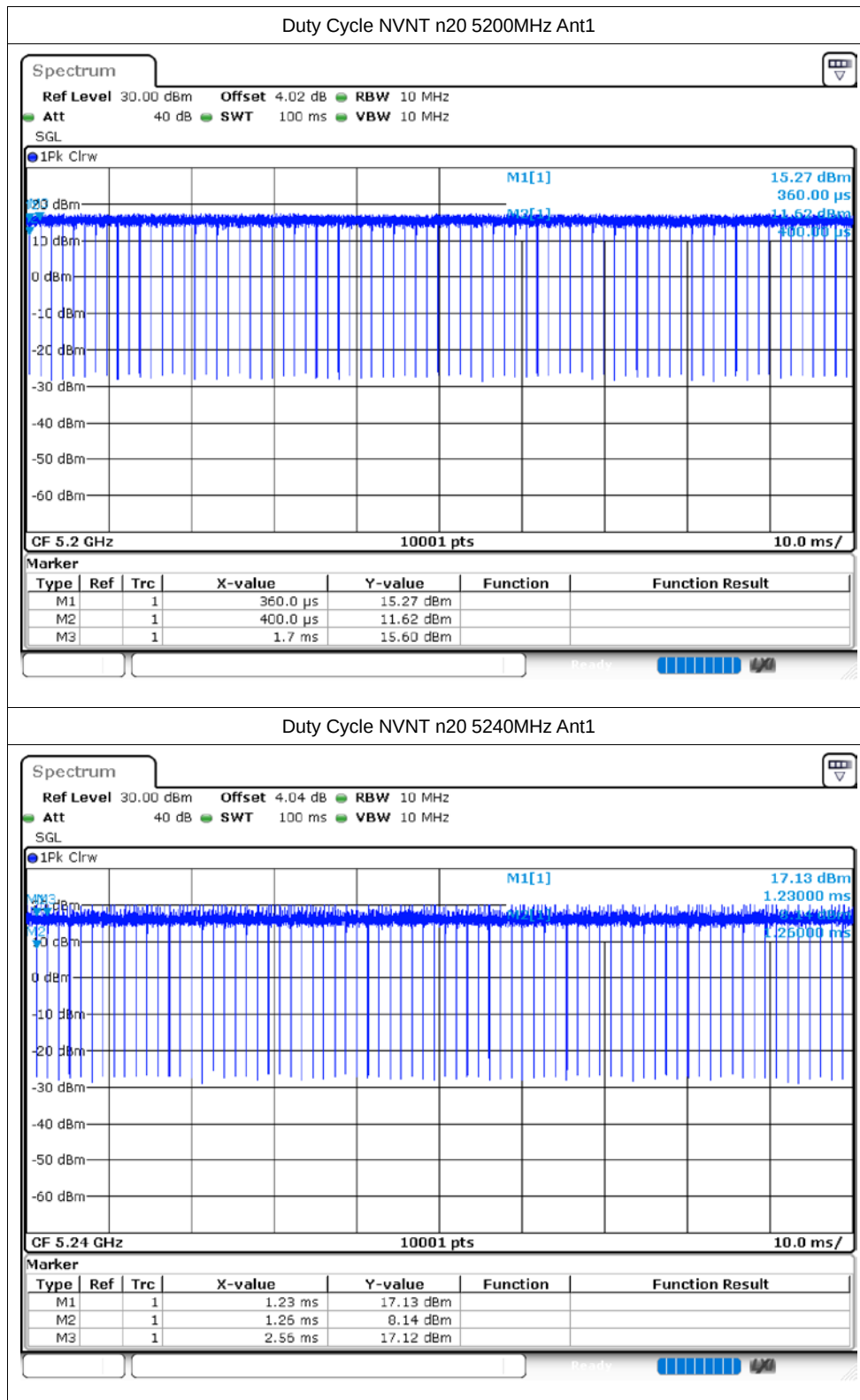
Duty Cycle NVNT a 5180MHz Ant1



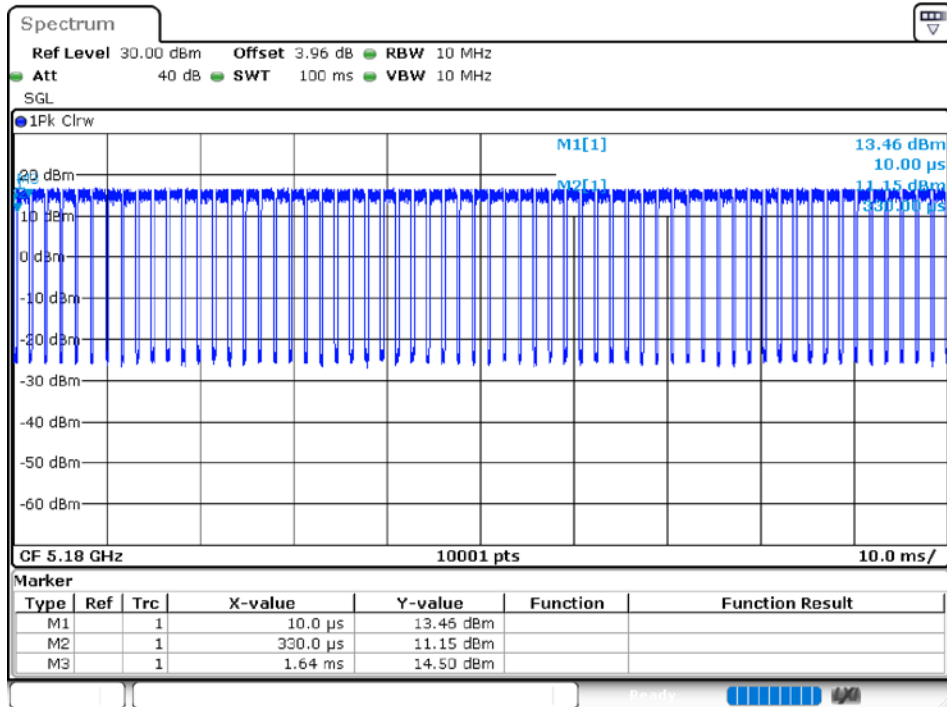
Duty Cycle NVNT a 5200MHz Ant1



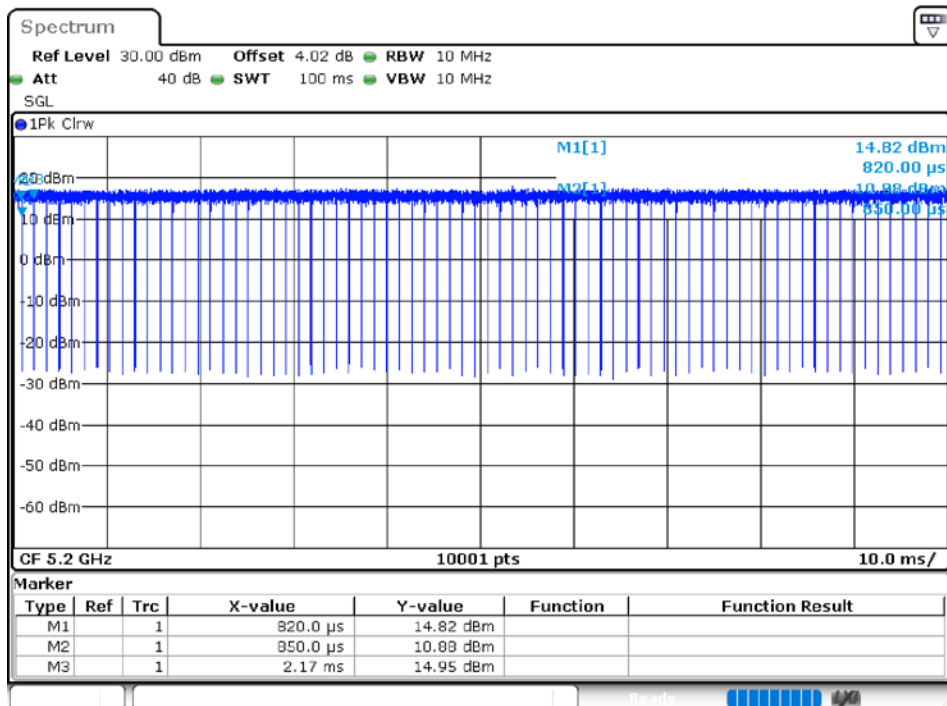


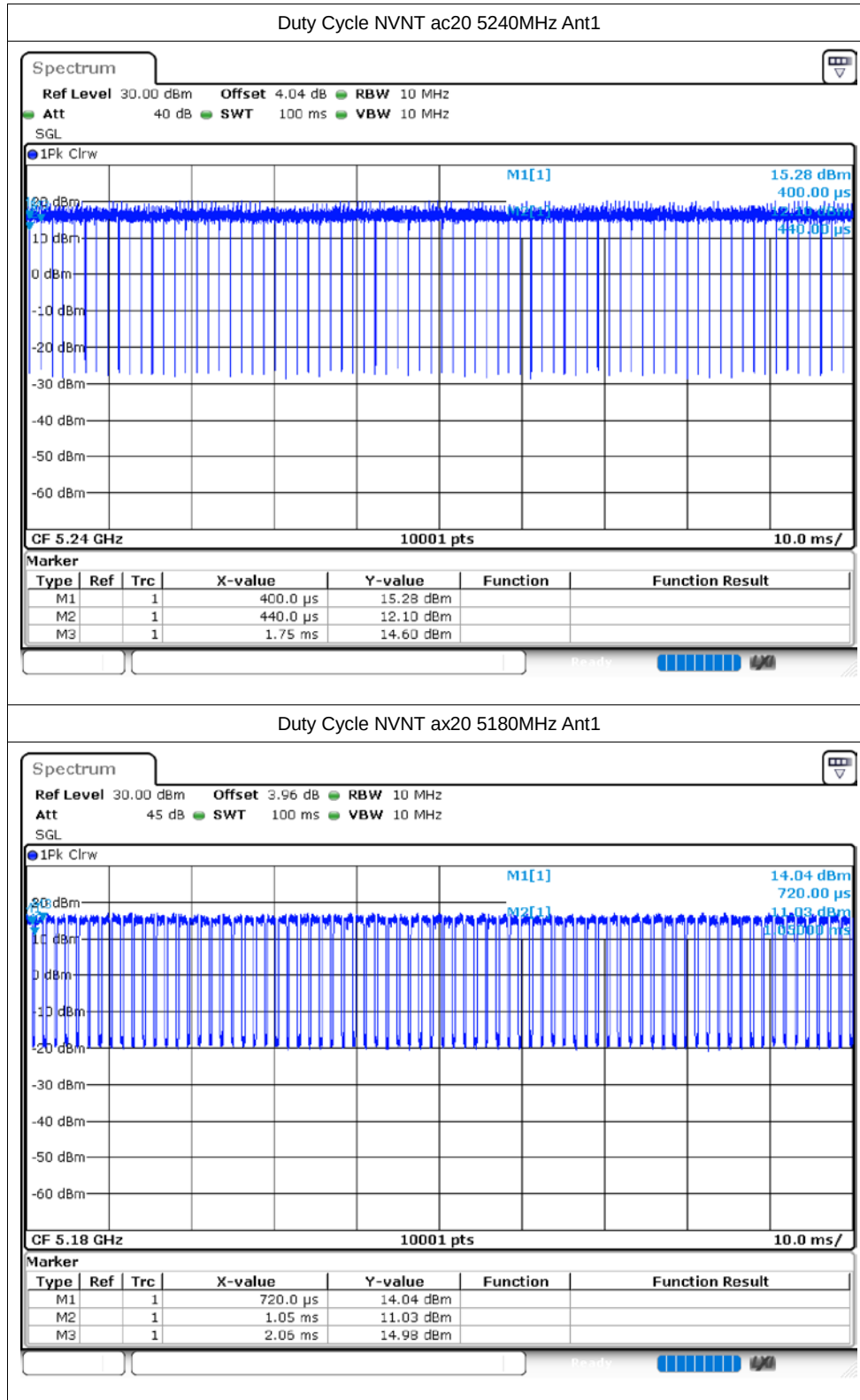


Duty Cycle NVNT ac20 5180MHz Ant1

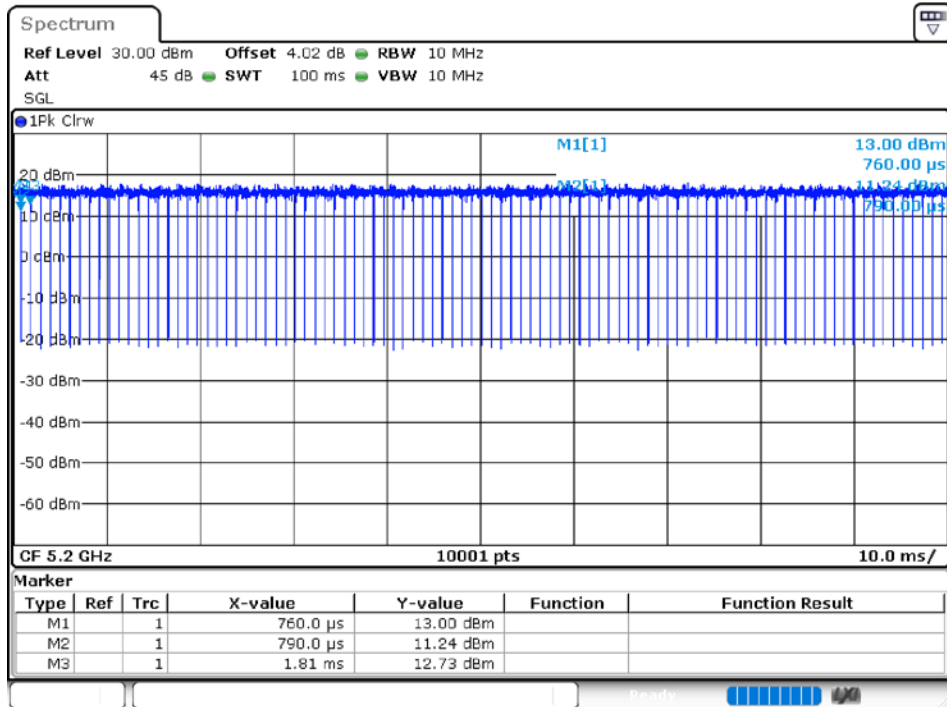


Duty Cycle NVNT ac20 5200MHz Ant1

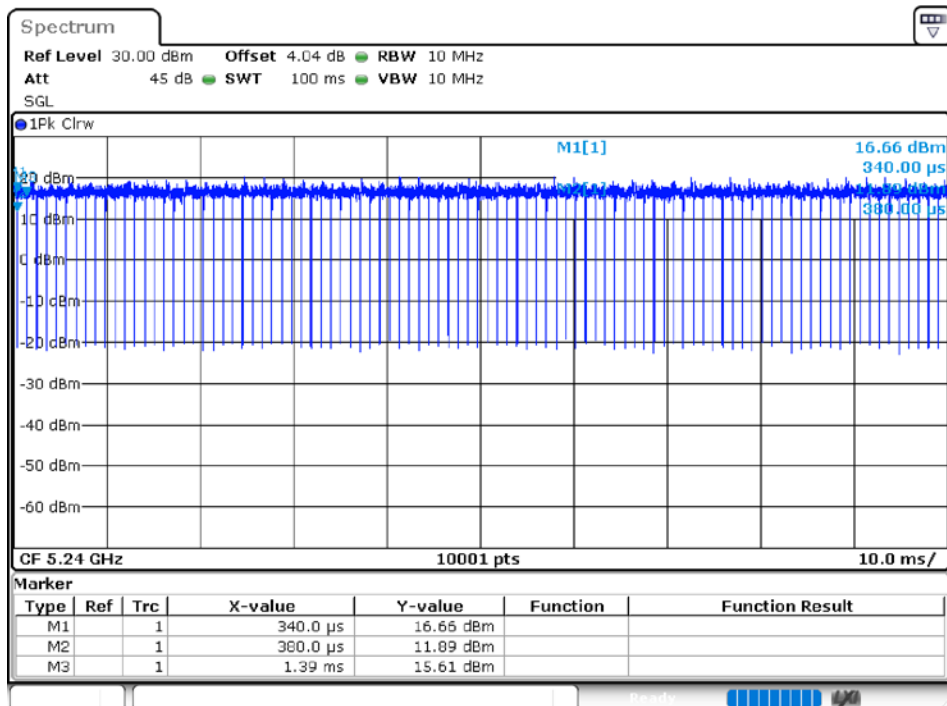




Duty Cycle NVNT ax20 5200MHz Ant1



Duty Cycle NVNT ax20 5240MHz Ant1



Maximum Conducted Output Power

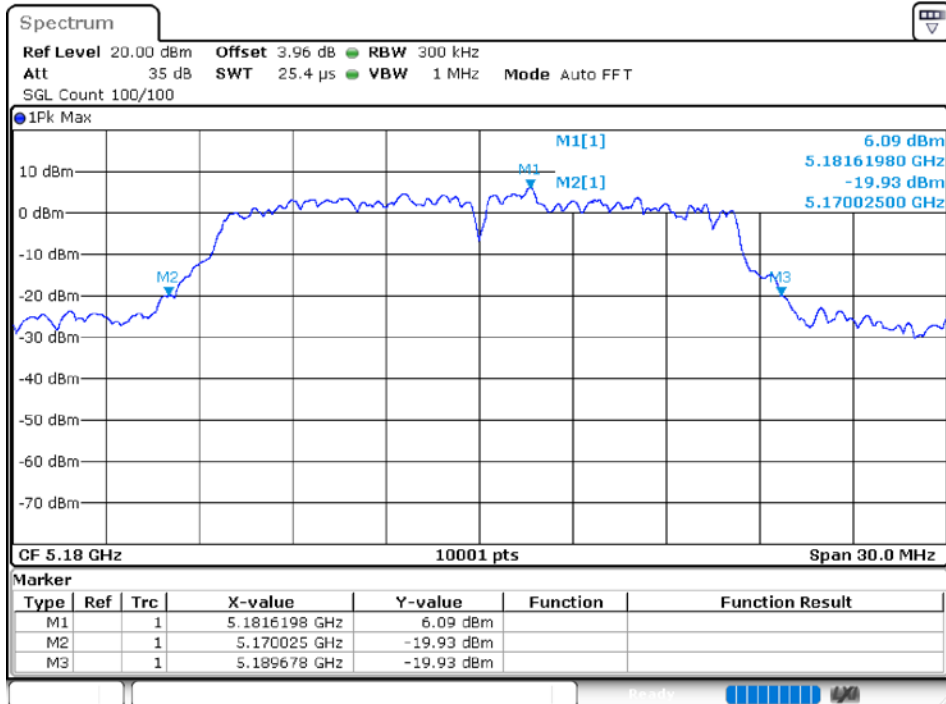
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.25	24	Pass
NVNT	a	5200	Ant1	12.16	24	Pass
NVNT	a	5240	Ant1	12.15	24	Pass
NVNT	n20	5180	Ant1	11.38	24	Pass
NVNT	n20	5200	Ant1	12.14	24	Pass
NVNT	n20	5240	Ant1	12.02	24	Pass
NVNT	ac20	5180	Ant1	11.25	24	Pass
NVNT	ac20	5200	Ant1	12.22	24	Pass
NVNT	ac20	5240	Ant1	11.95	24	Pass
NVNT	ax20	5180	Ant1	11.08	24	Pass
NVNT	ax20	5200	Ant1	12.35	24	Pass
NVNT	ax20	5240	Ant1	12.02	24	Pass

-26dB Bandwidth

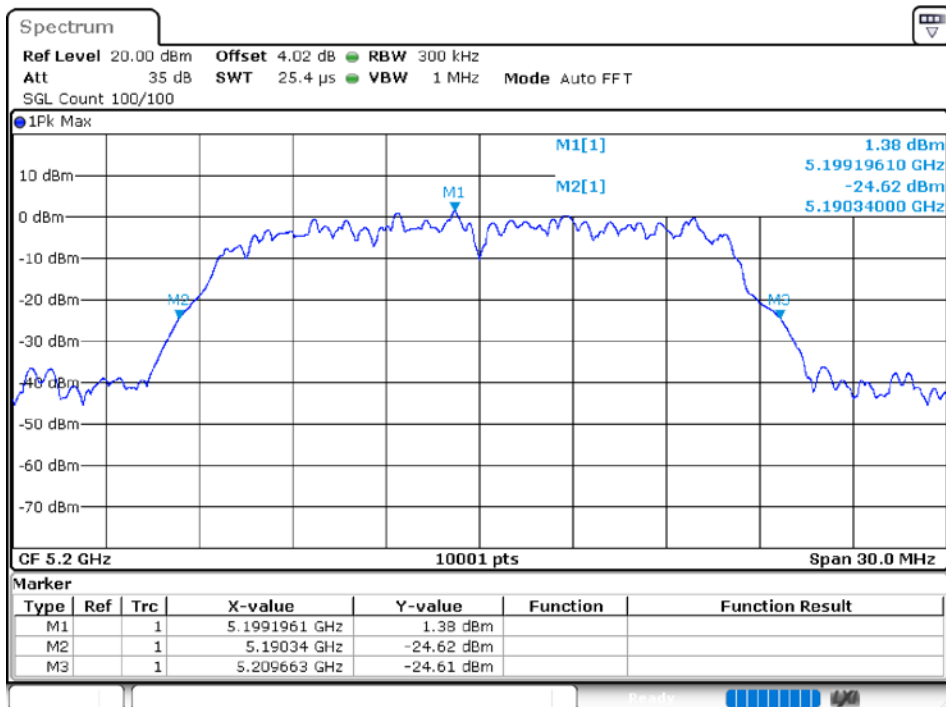
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.653	Pass
NVNT	a	5200	Ant1	19.323	Pass
NVNT	a	5240	Ant1	19.695	Pass
NVNT	n20	5180	Ant1	20.205	Pass
NVNT	n20	5200	Ant1	19.68	Pass
NVNT	n20	5240	Ant1	20.163	Pass
NVNT	ac20	5180	Ant1	20.04	Pass
NVNT	ac20	5200	Ant1	19.998	Pass
NVNT	ac20	5240	Ant1	19.464	Pass
NVNT	ax20	5180	Ant1	19.89	Pass
NVNT	ax20	5200	Ant1	19.791	Pass
NVNT	ax20	5240	Ant1	19.953	Pass

Test Graphs

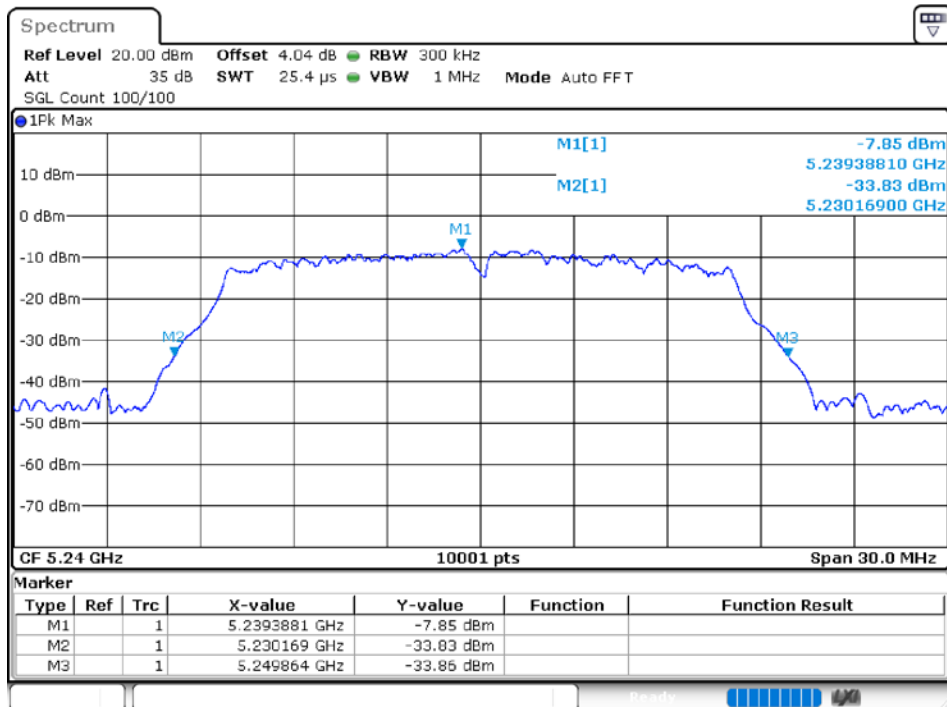
-26dB Bandwidth NVNT a 5180MHz Ant1



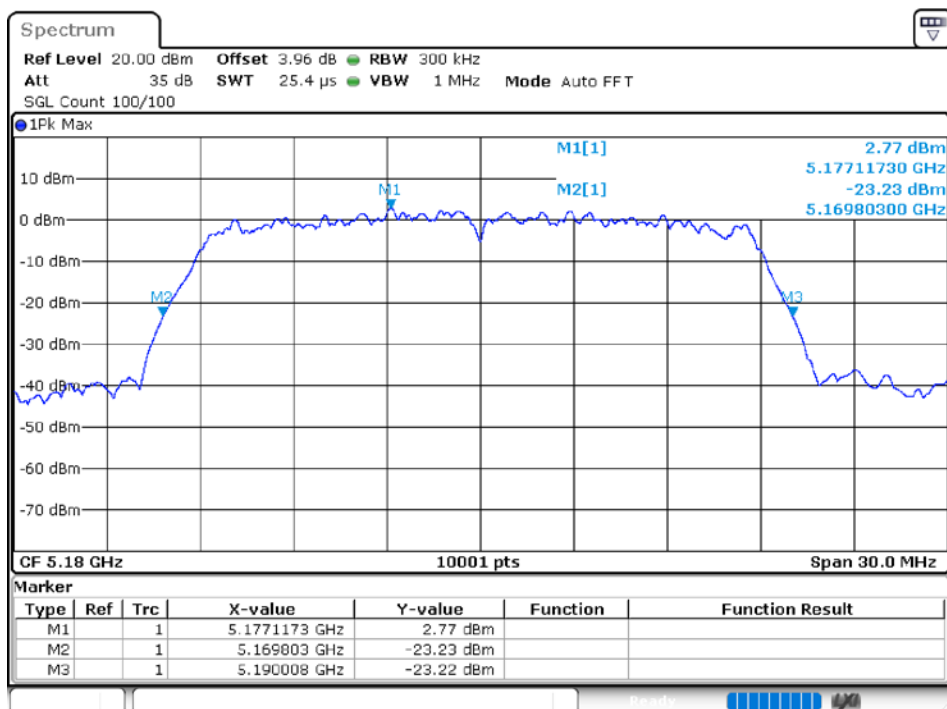
-26dB Bandwidth NVNT a 5200MHz Ant1

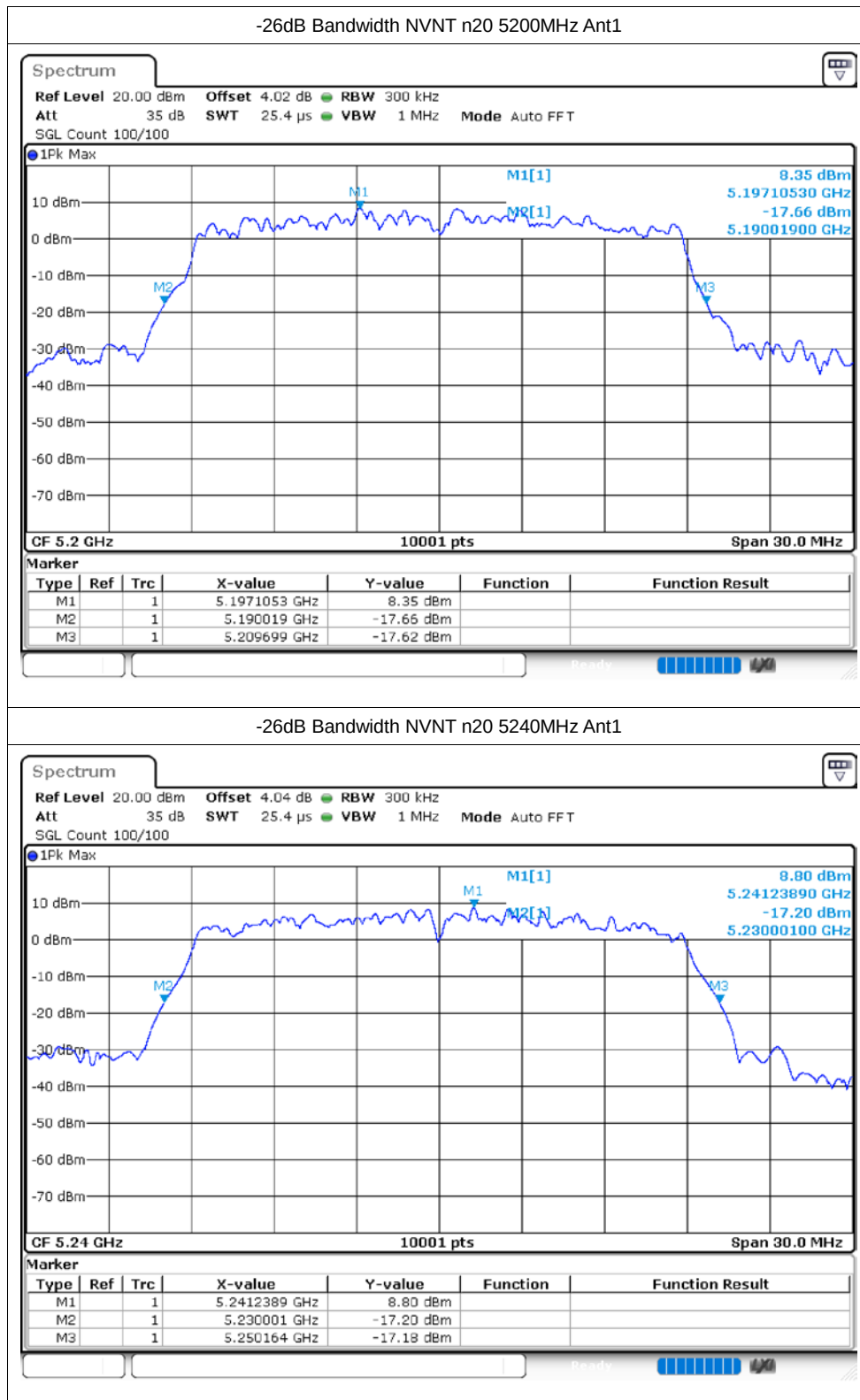


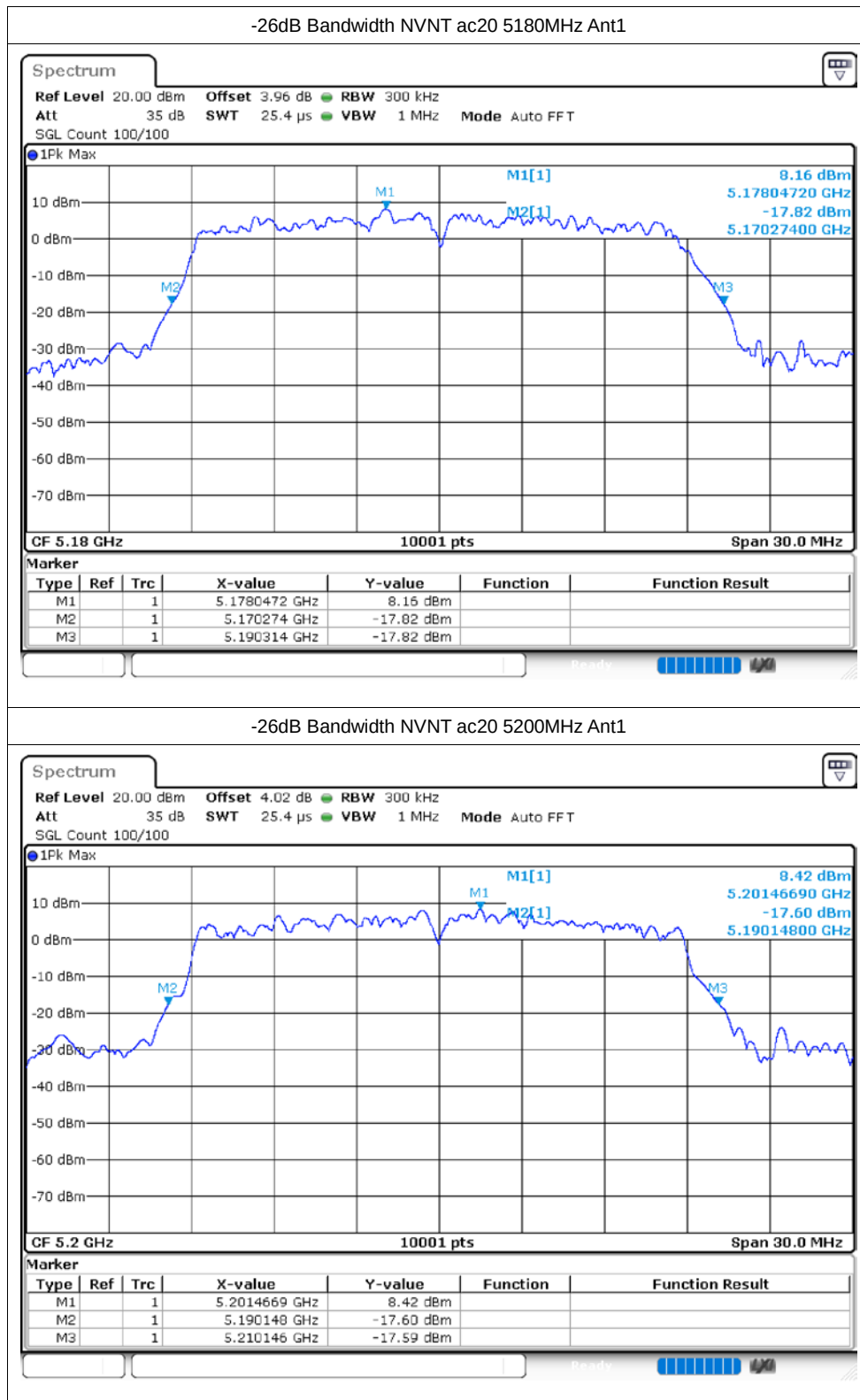
-26dB Bandwidth NVNT a 5240MHz Ant1

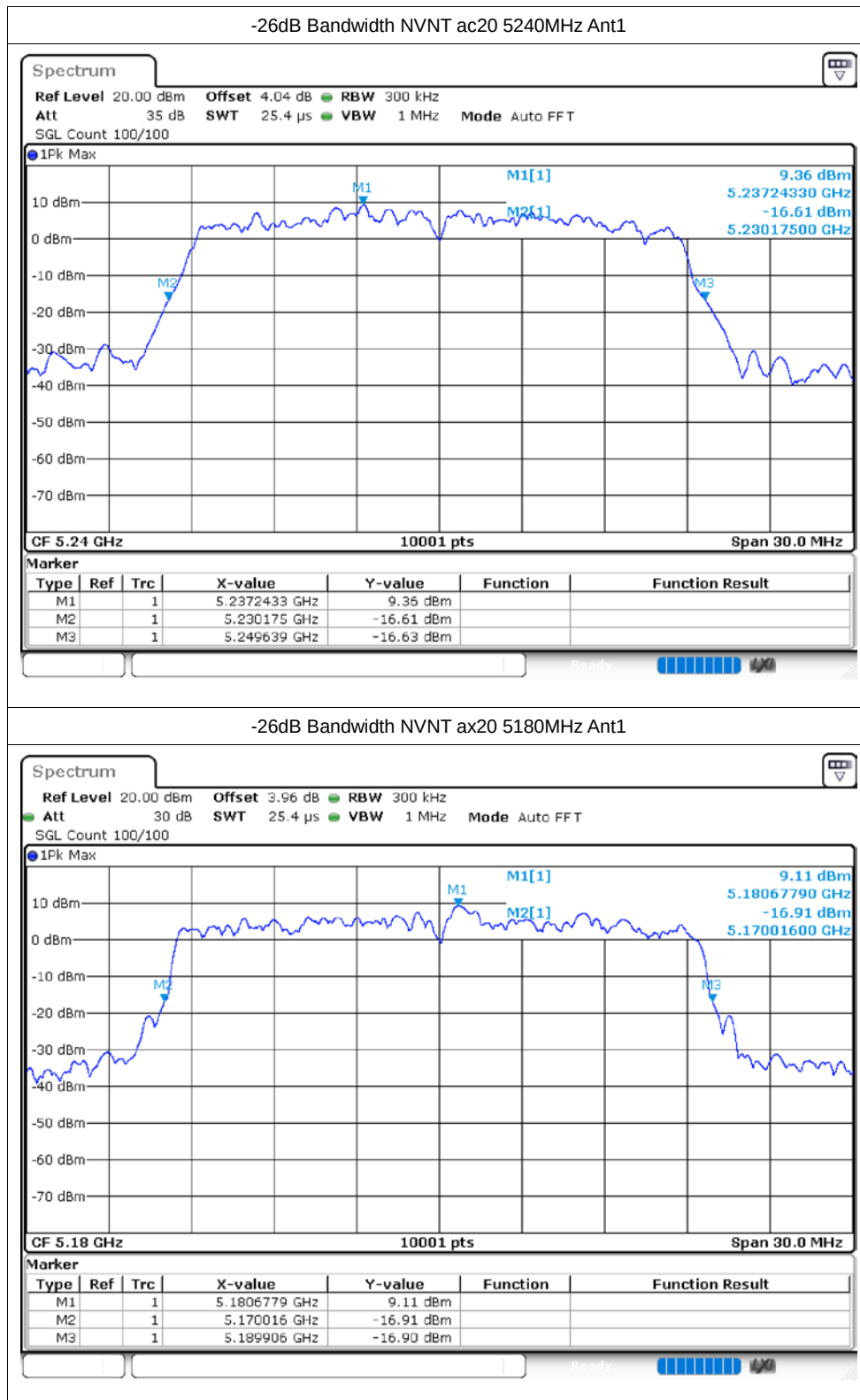


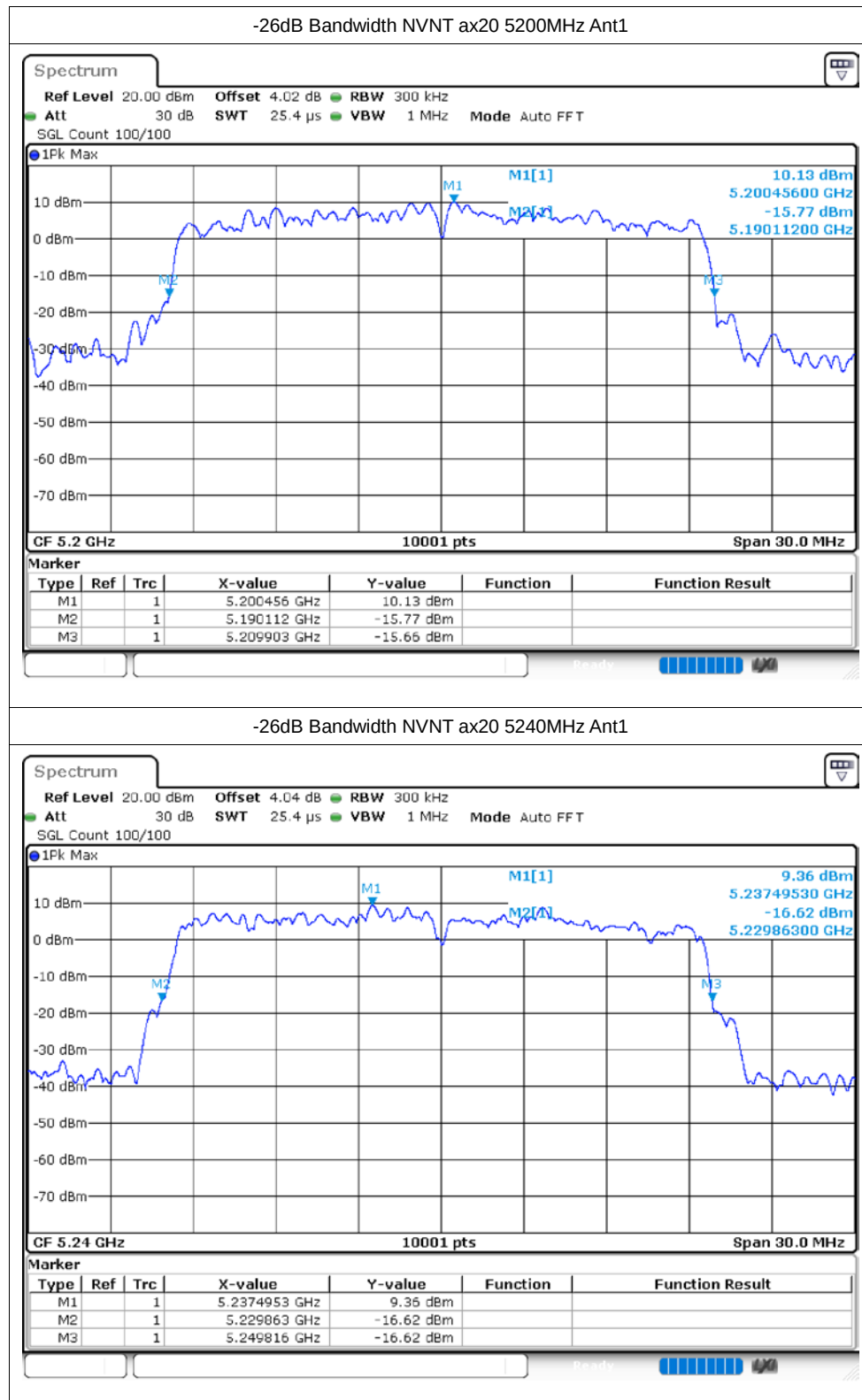
-26dB Bandwidth NVNT n20 5180MHz Ant1









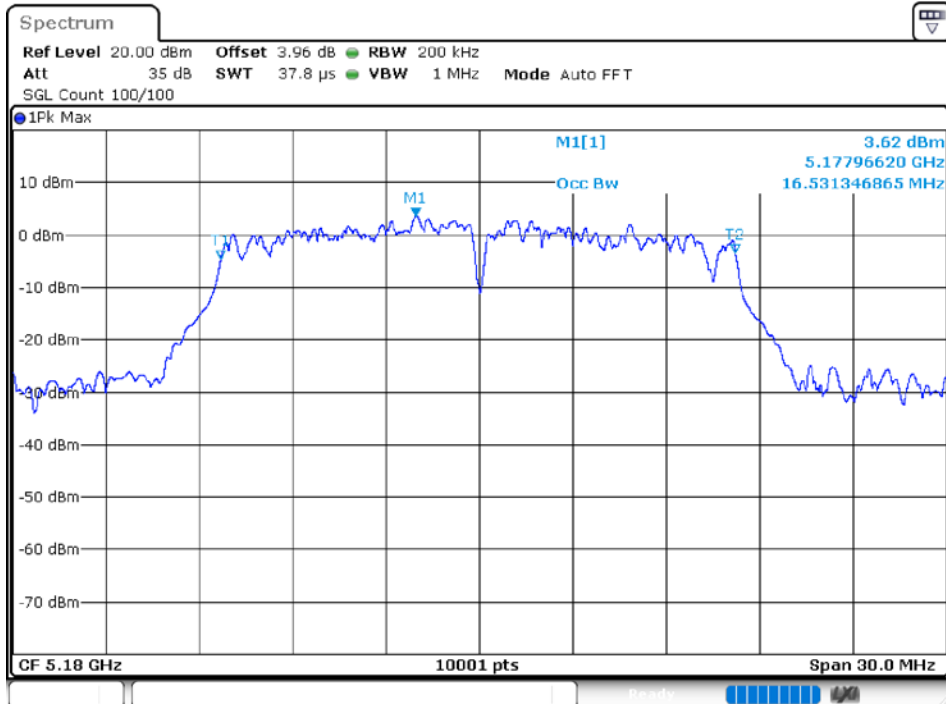


Occupied Channel Bandwidth

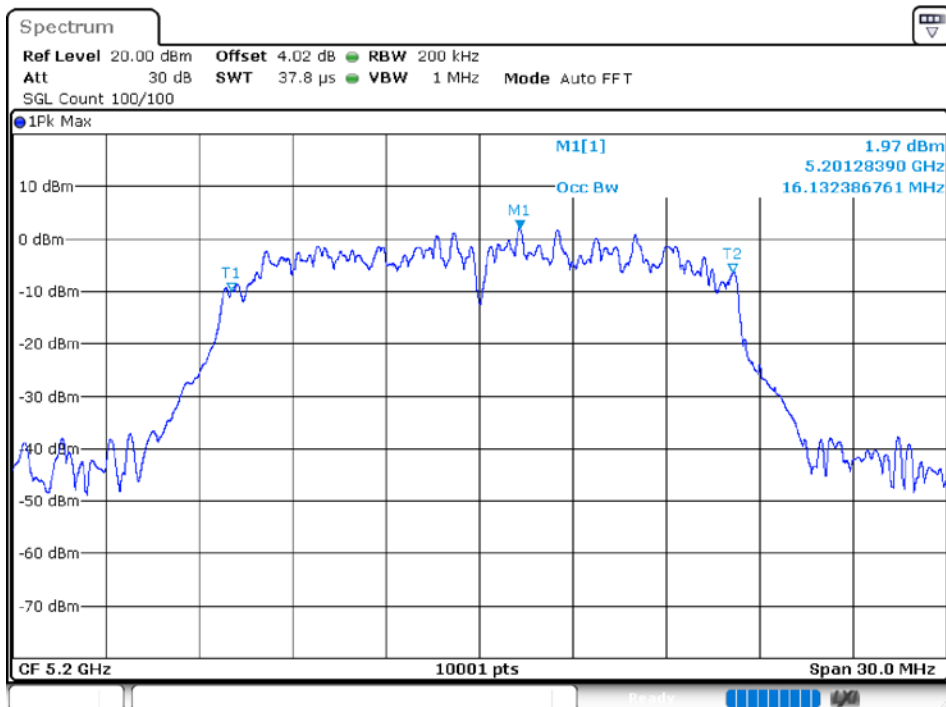
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.531
NVNT	a	5200	Ant1	16.132
NVNT	a	5240	Ant1	16.396
NVNT	n20	5180	Ant1	17.557
NVNT	n20	5200	Ant1	17.548
NVNT	n20	5240	Ant1	17.497
NVNT	ac20	5180	Ant1	17.533
NVNT	ac20	5200	Ant1	17.602
NVNT	ac20	5240	Ant1	17.611
NVNT	ax20	5180	Ant1	18.832
NVNT	ax20	5200	Ant1	18.787
NVNT	ax20	5240	Ant1	18.82

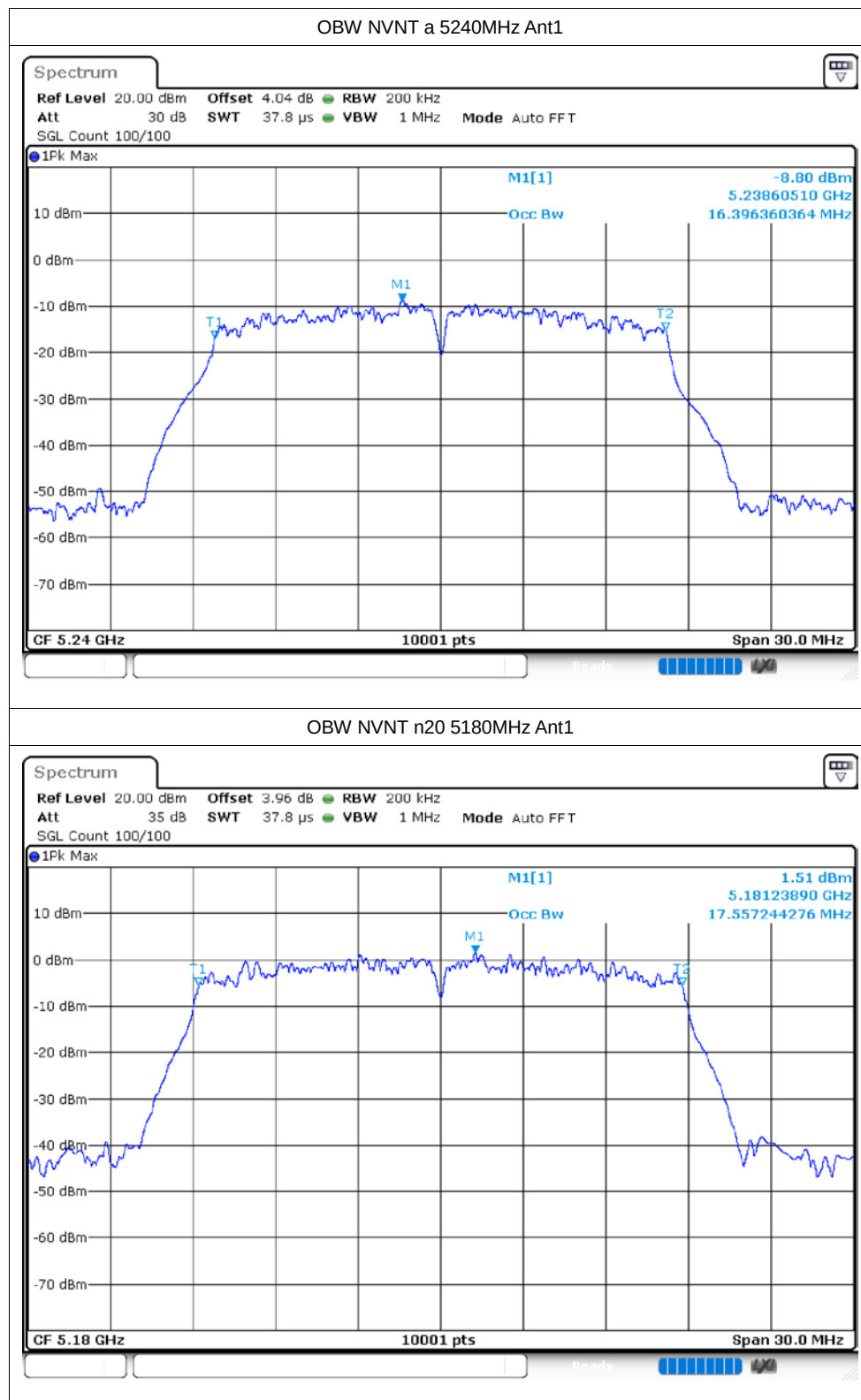
Test Graphs

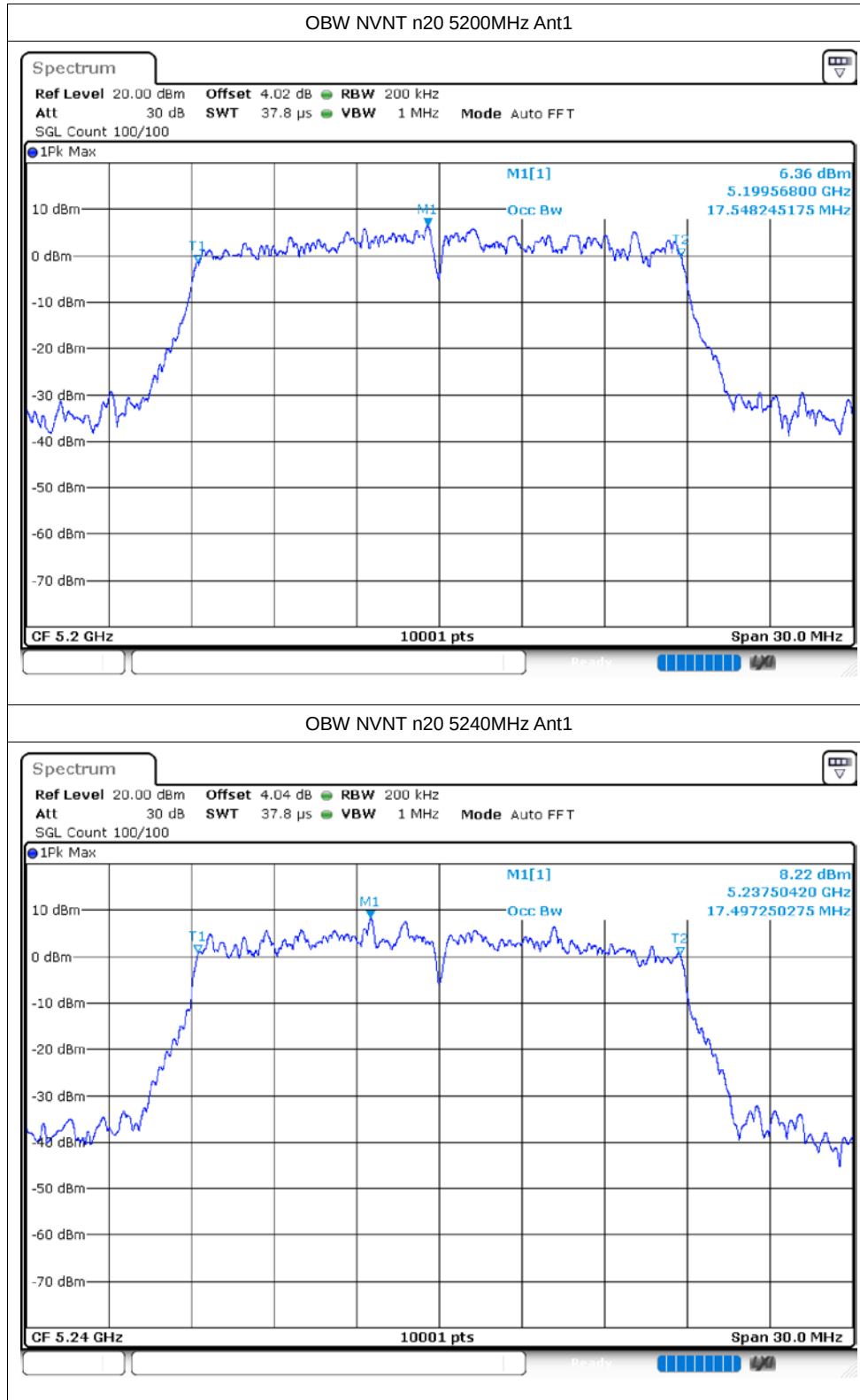
OBW NVNT a 5180MHz Ant1

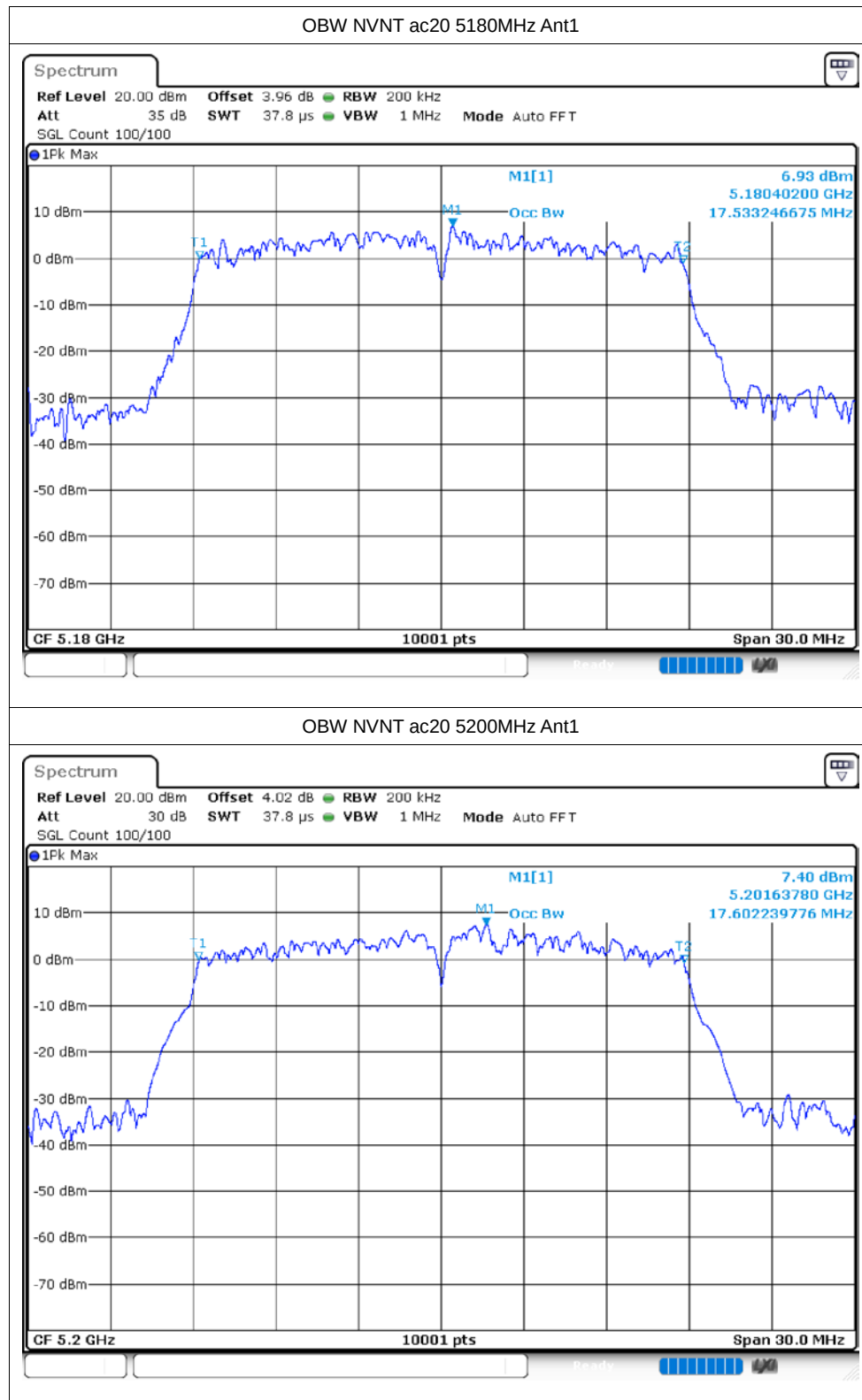


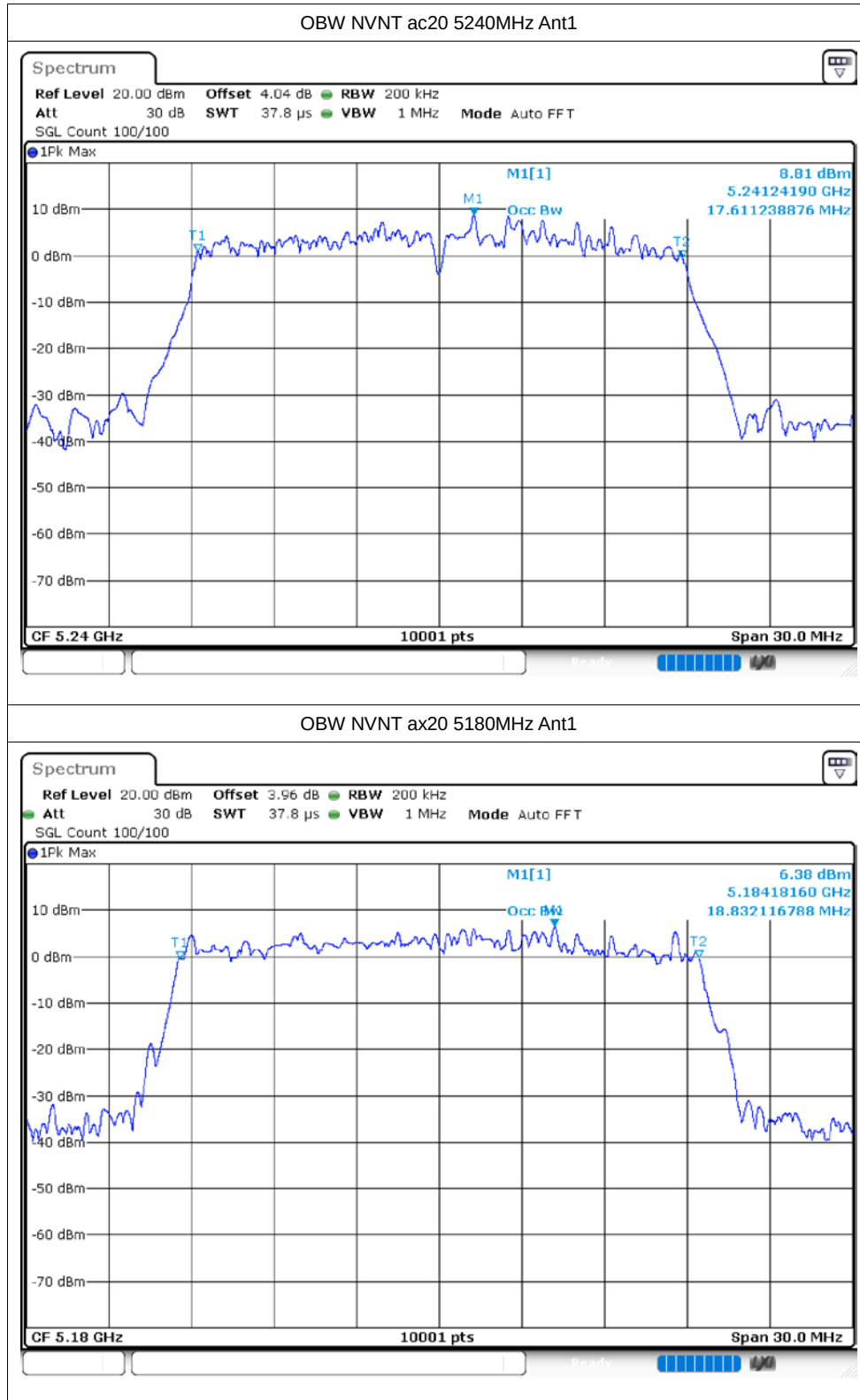
OBW NVNT a 5200MHz Ant1

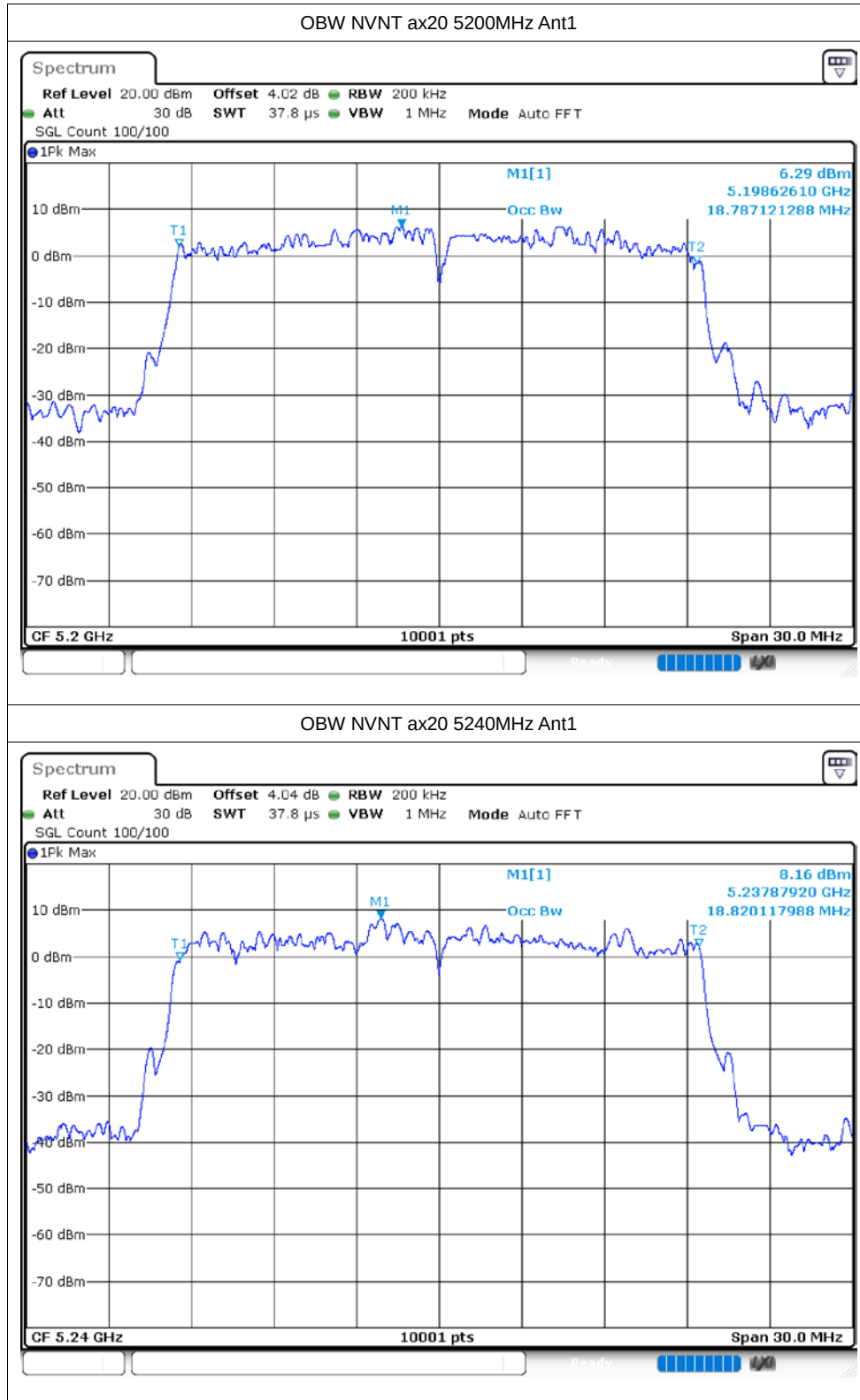










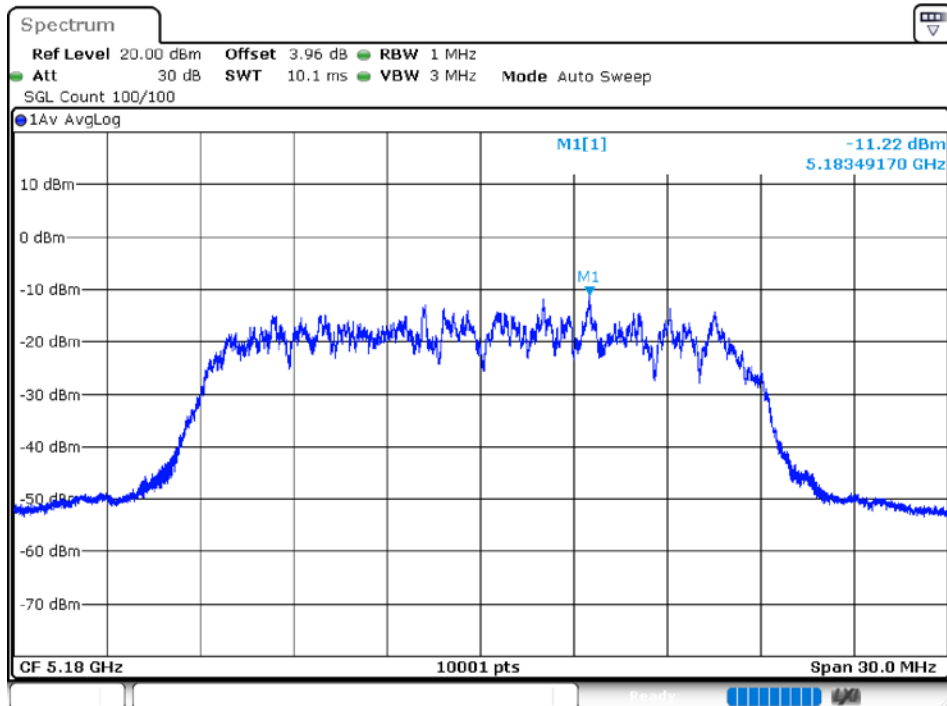


Maximum Power Spectral Density Level

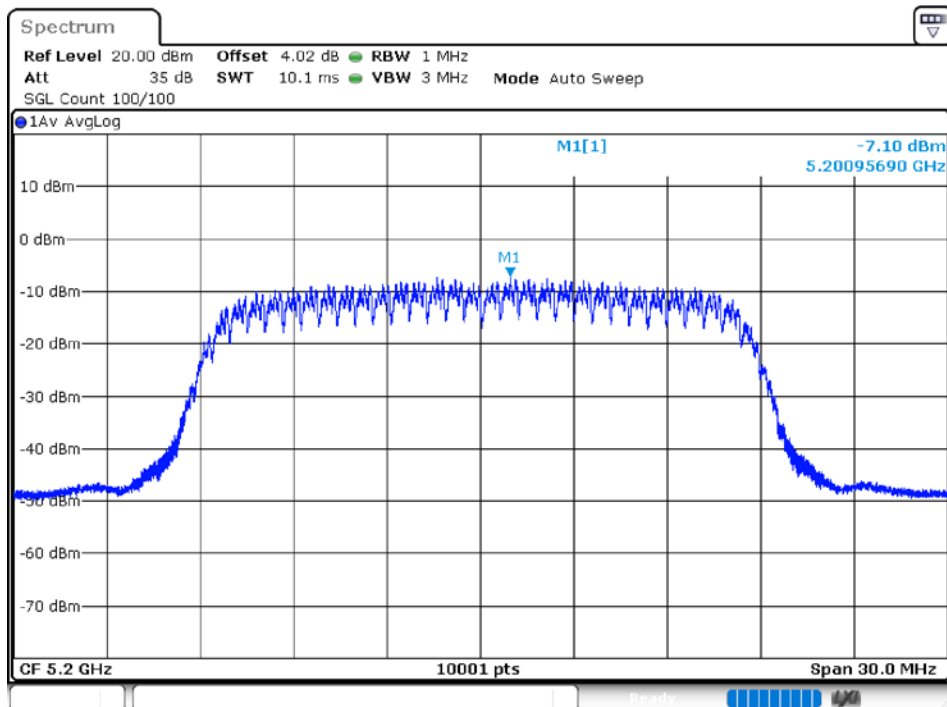
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-11.22	0.08	-11.14	11	Pass
NVNT	a	5200	Ant1	-7.1	0.08	-7.02	11	Pass
NVNT	a	5240	Ant1	-6.08	0.08	-6	11	Pass
NVNT	n20	5180	Ant1	-9.25	0.09	-9.16	11	Pass
NVNT	n20	5200	Ant1	-1.36	0.09	-1.27	11	Pass
NVNT	n20	5240	Ant1	-0.6	0.09	-0.51	11	Pass
NVNT	ac20	5180	Ant1	-8.08	0.10	-7.98	11	Pass
NVNT	ac20	5200	Ant1	-1.64	0.09	-1.55	11	Pass
NVNT	ac20	5240	Ant1	-0.83	0.08	-0.75	11	Pass
NVNT	ax20	5180	Ant1	-11.81	0.07	-11.74	11	Pass
NVNT	ax20	5200	Ant1	-1.69	0.07	-1.62	11	Pass
NVNT	ax20	5240	Ant1	-1.55	0.07	-1.48	11	Pass

Test Graphs

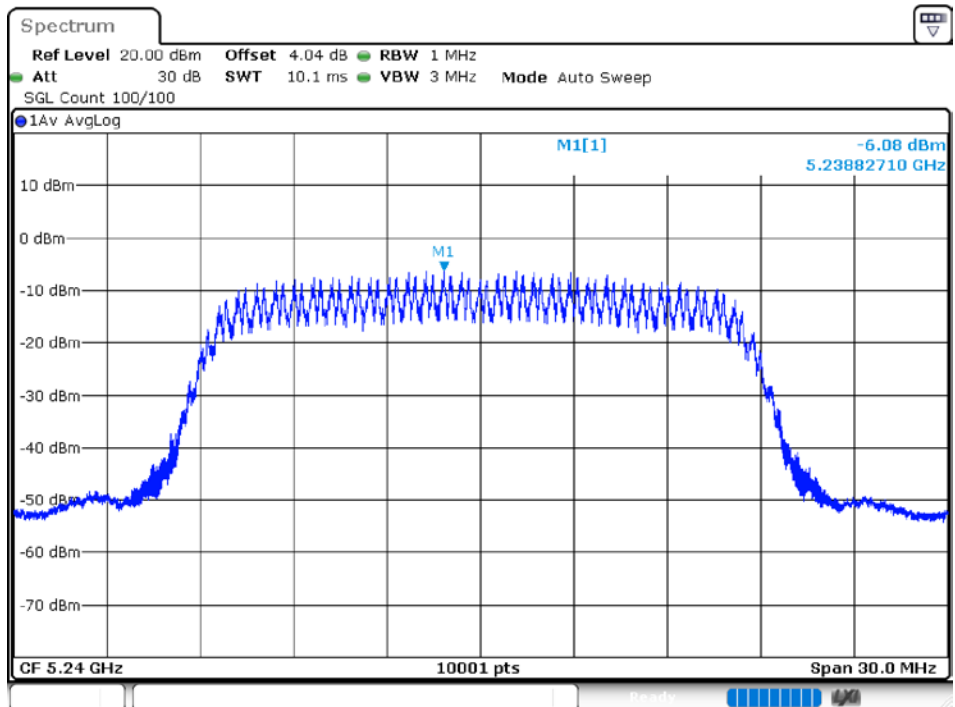
PSD NVNT a 5180MHz Ant1



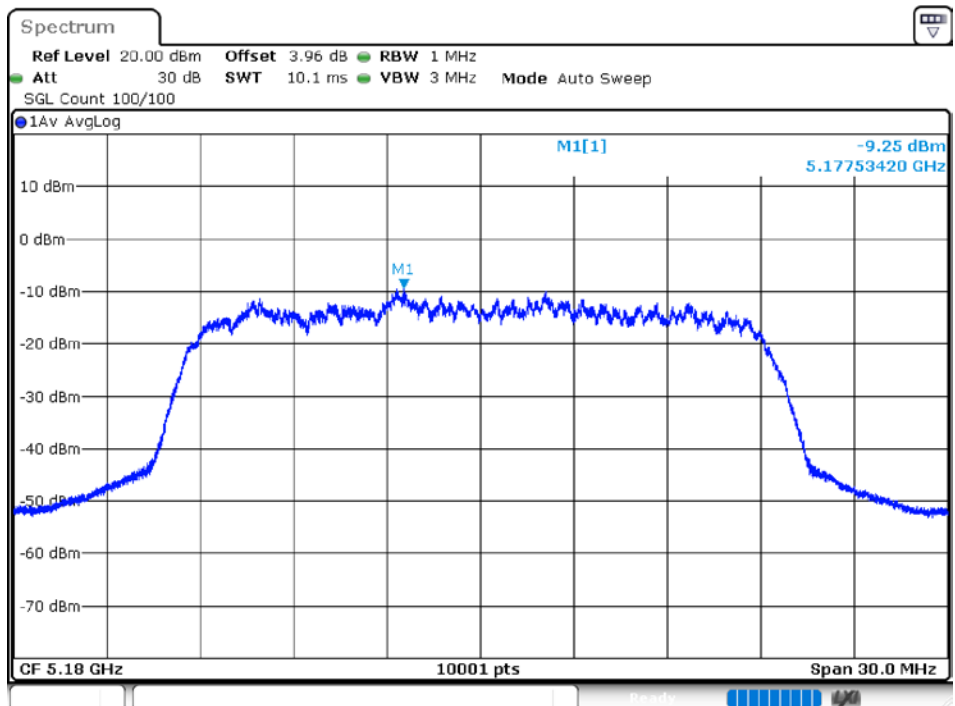
PSD NVNT a 5200MHz Ant1

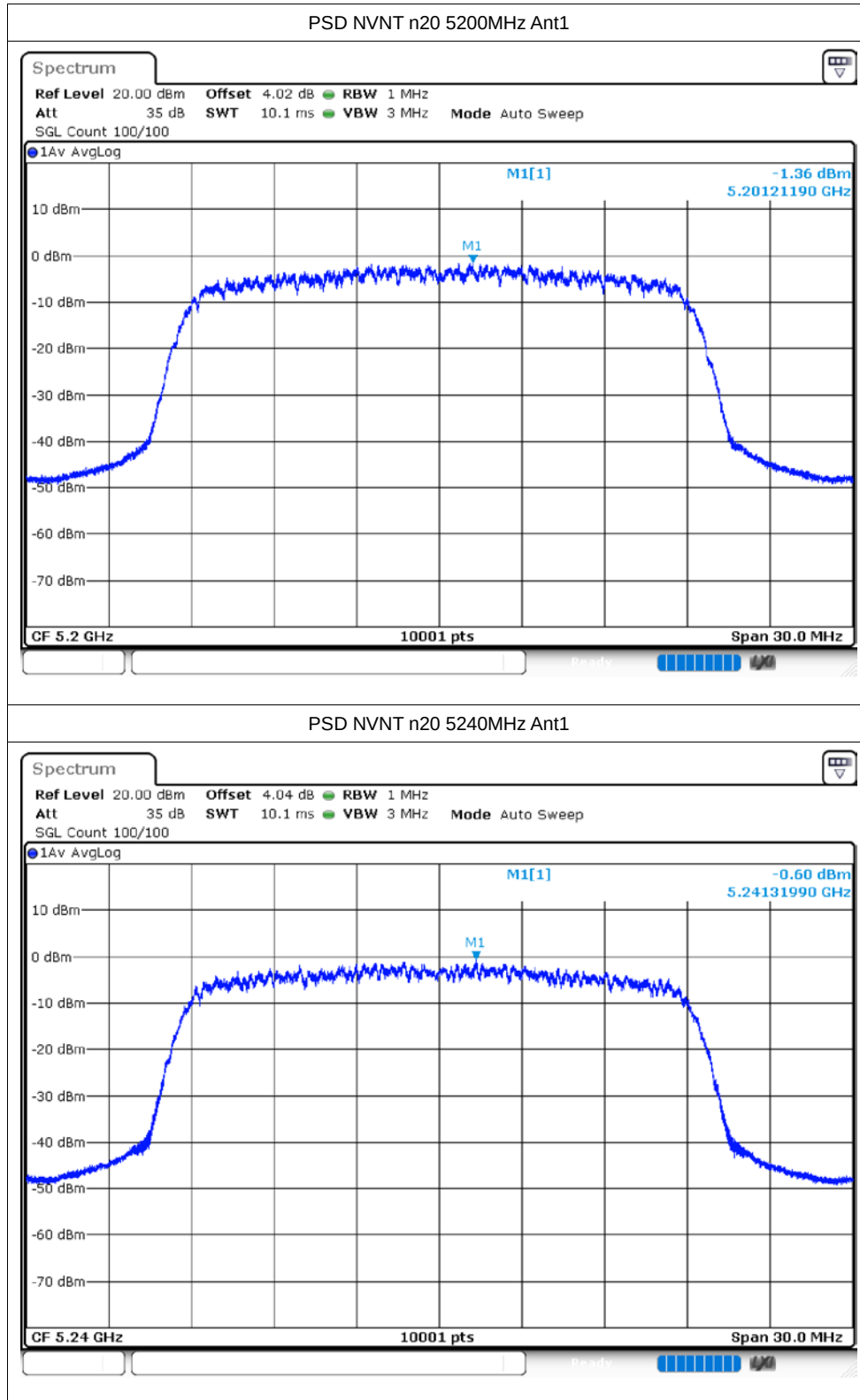


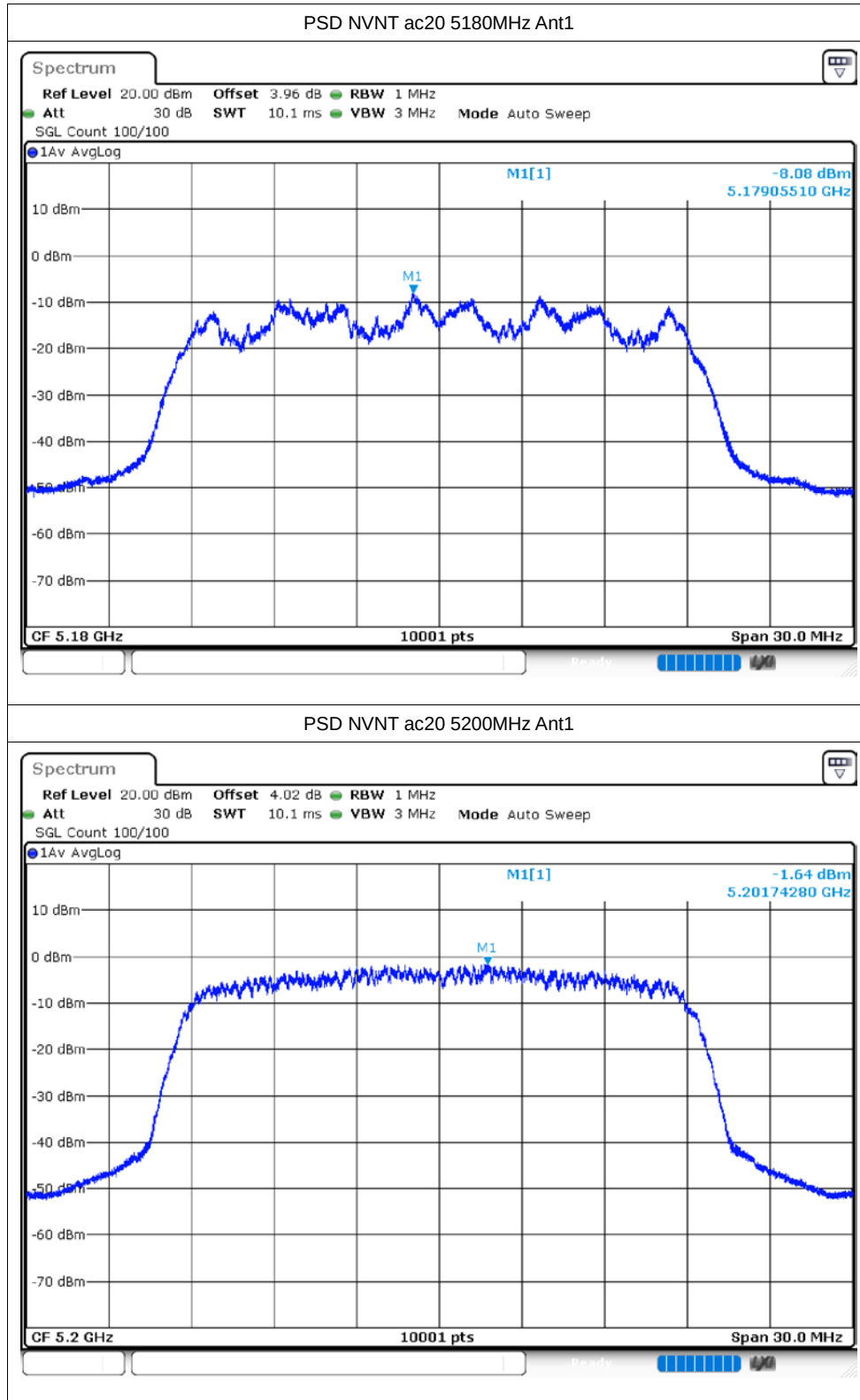
PSD NVNT a 5240MHz Ant1

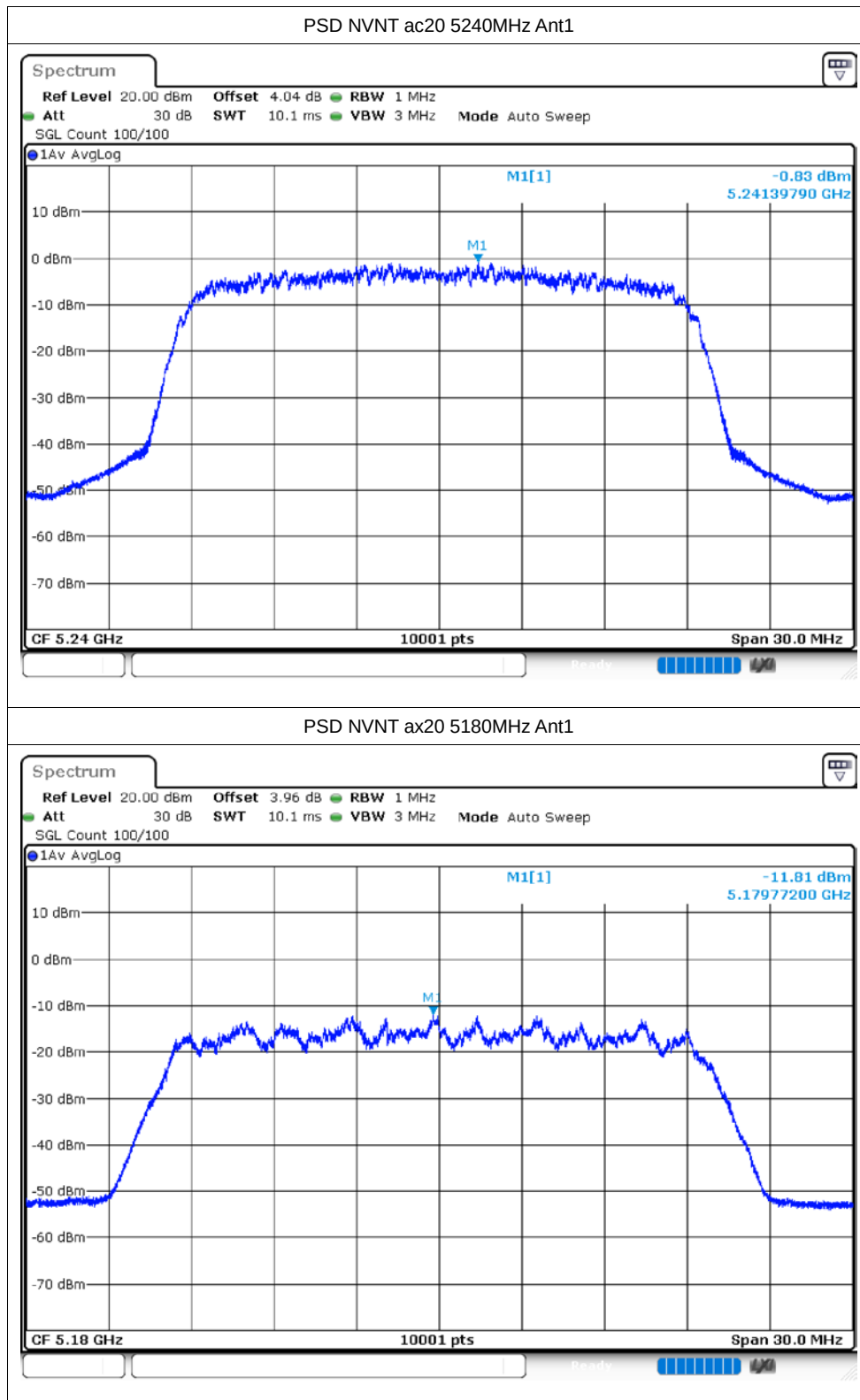


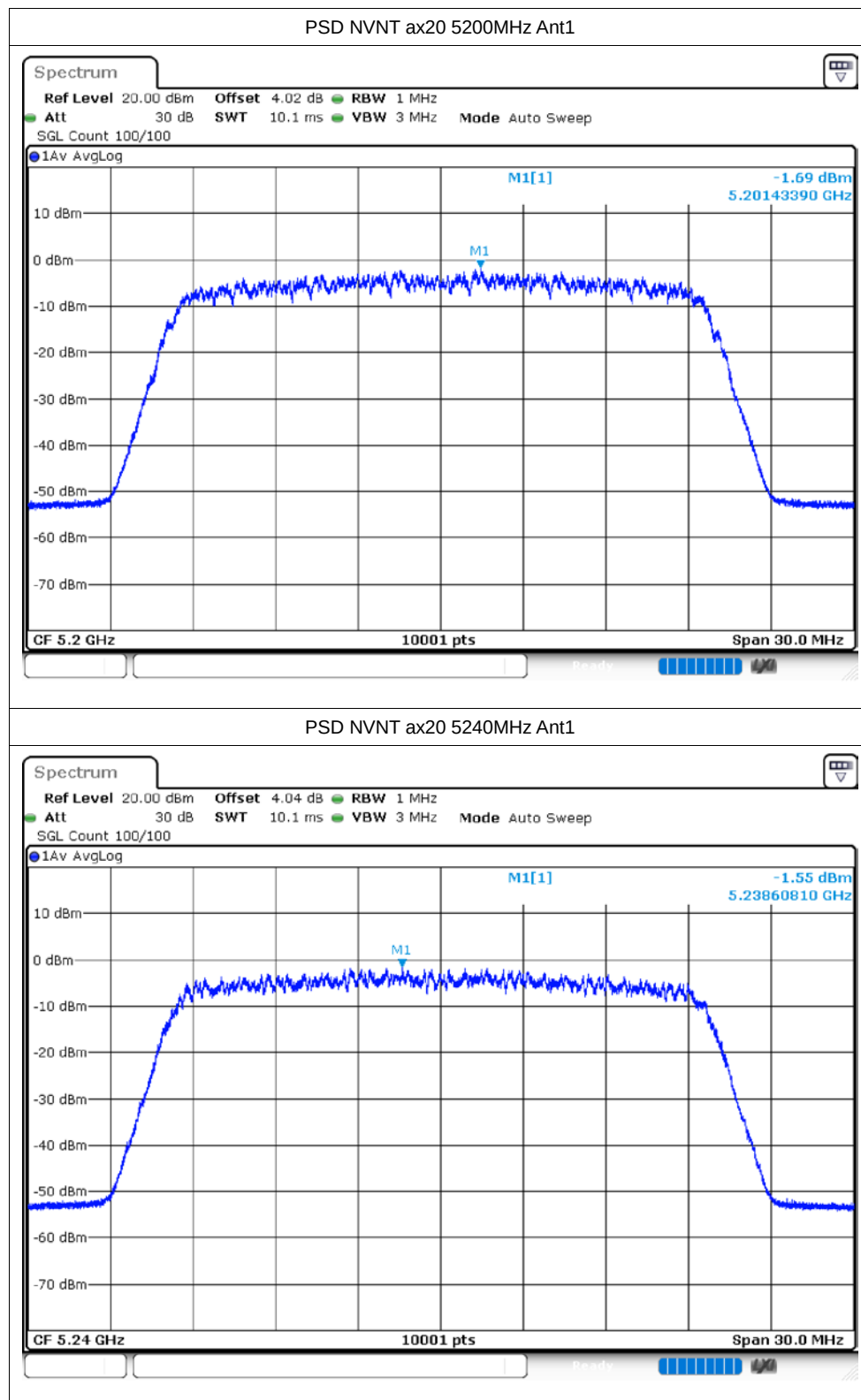
PSD NVNT n20 5180MHz Ant1











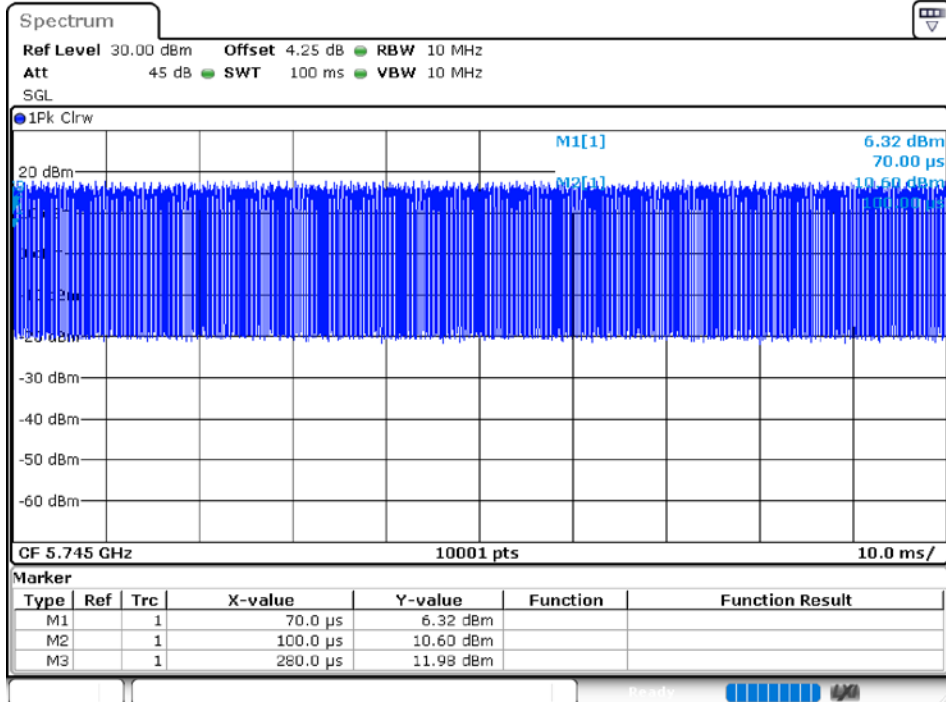
WIFI 5.8G:

Duty Cycle

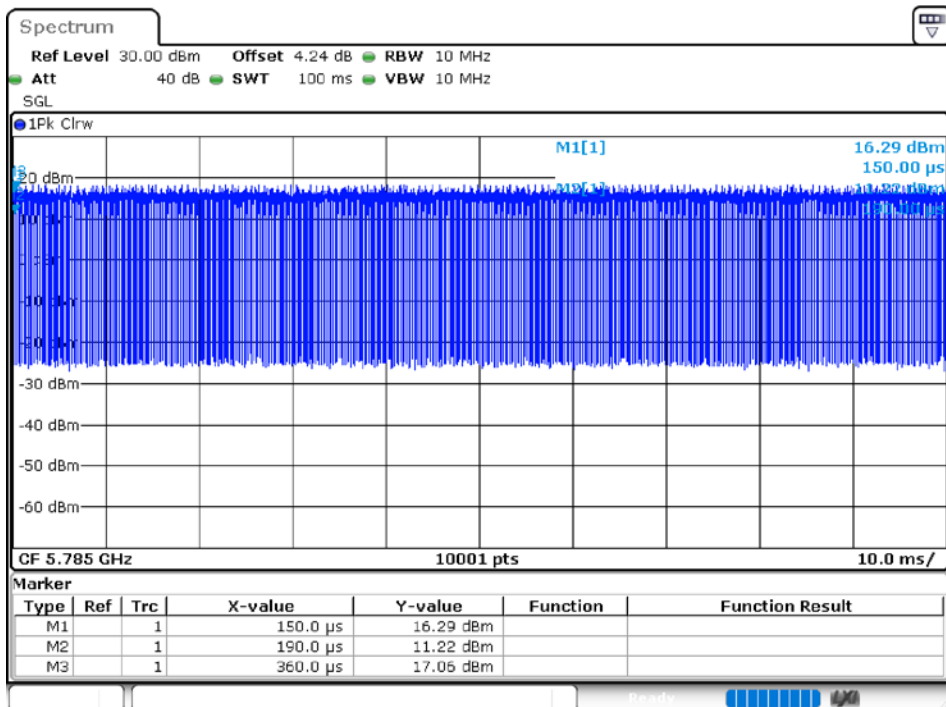
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	97.32	0.12	0.31
NVNT	a	5785	Ant1	97.32	0.12	0.31
NVNT	a	5825	Ant1	97.32	0.12	0.31
NVNT	n20	5745	Ant1	98.05	0.09	0.77
NVNT	n20	5785	Ant1	98.07	0.08	0.77
NVNT	n20	5825	Ant1	99.56	0.02	0.25
NVNT	ac20	5745	Ant1	98.08	0.08	0.77
NVNT	ac20	5785	Ant1	98.07	0.08	0.77
NVNT	ac20	5825	Ant1	98.05	0.09	0.77
NVNT	ax20	5745	Ant1	97.49	0.11	0.99
NVNT	ax20	5785	Ant1	97.61	0.11	0.99
NVNT	ax20	5825	Ant1	97.63	0.10	0.98

Test Graphs

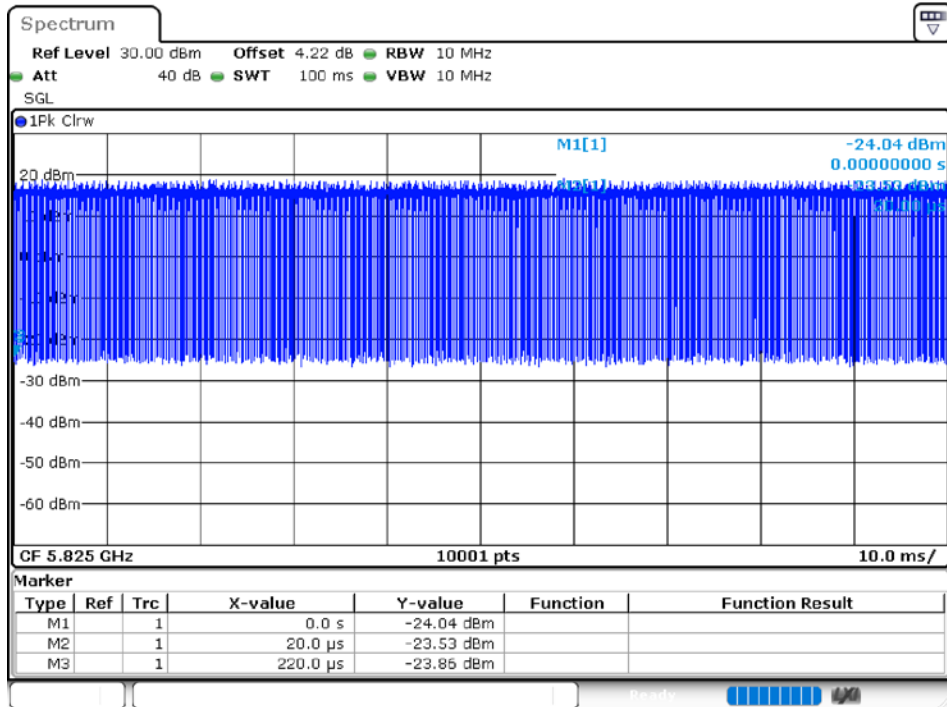
Duty Cycle NVNT a 5745MHz Ant1



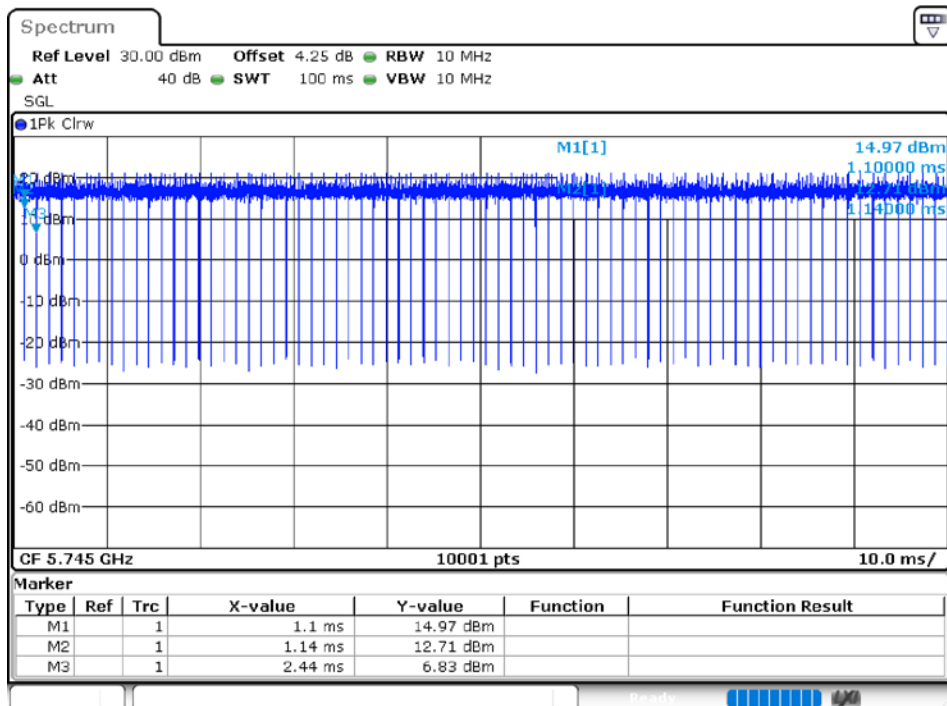
Duty Cycle NVNT a 5785MHz Ant1

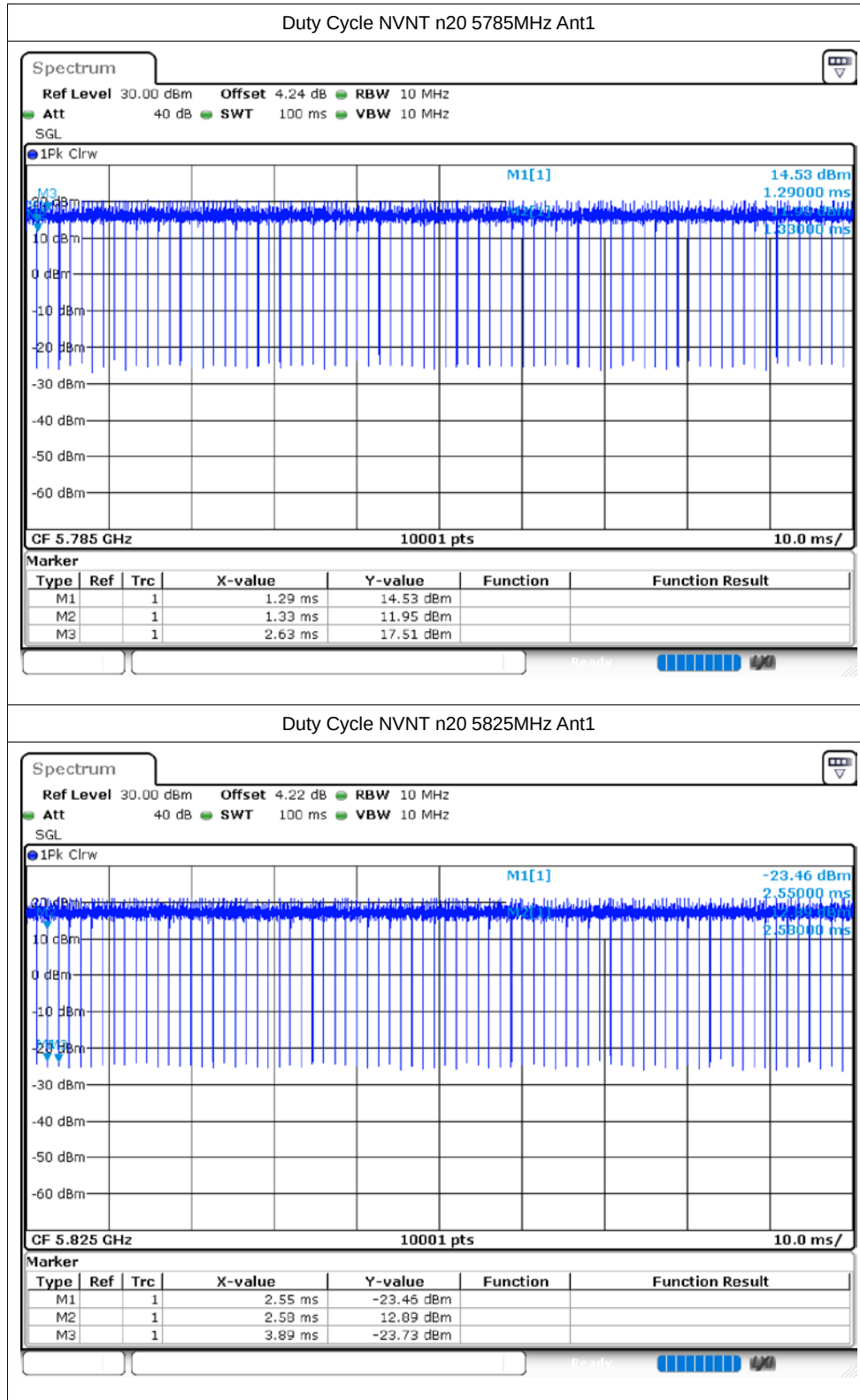


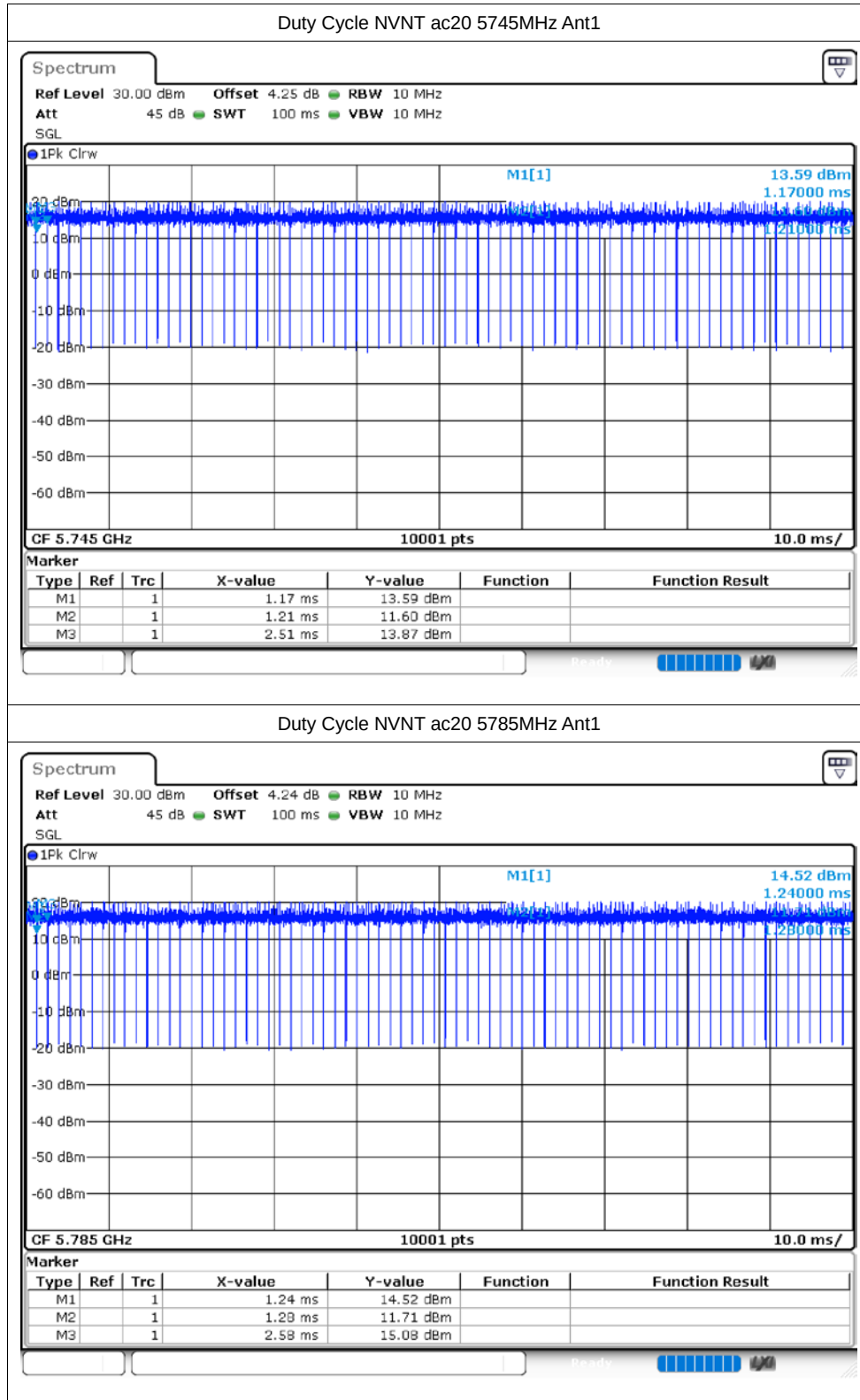
Duty Cycle NVNT a 5825MHz Ant1



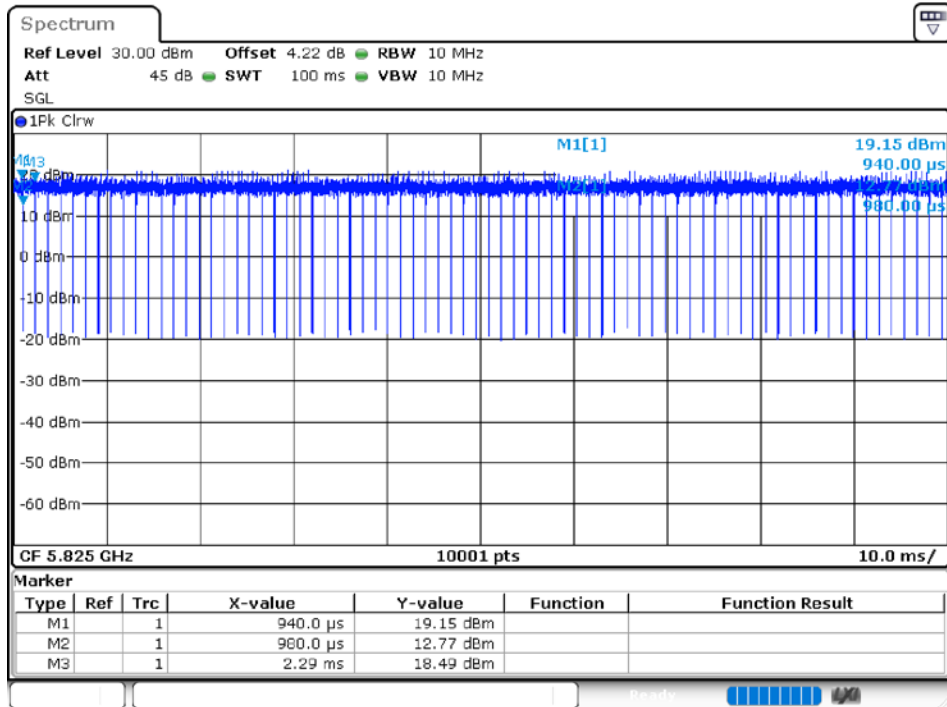
Duty Cycle NVNT n20 5745MHz Ant1



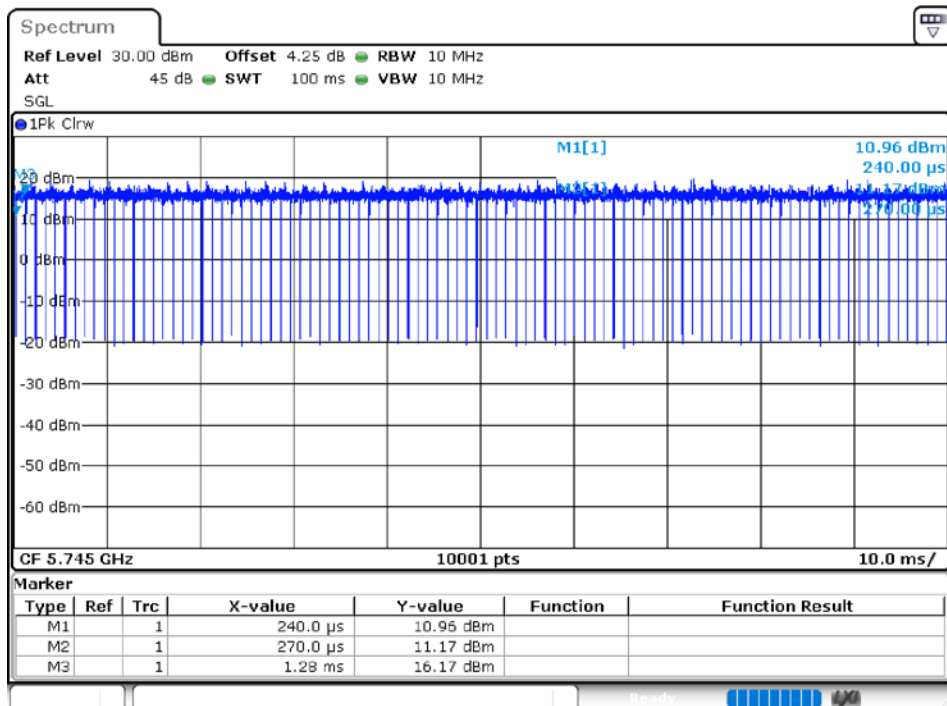




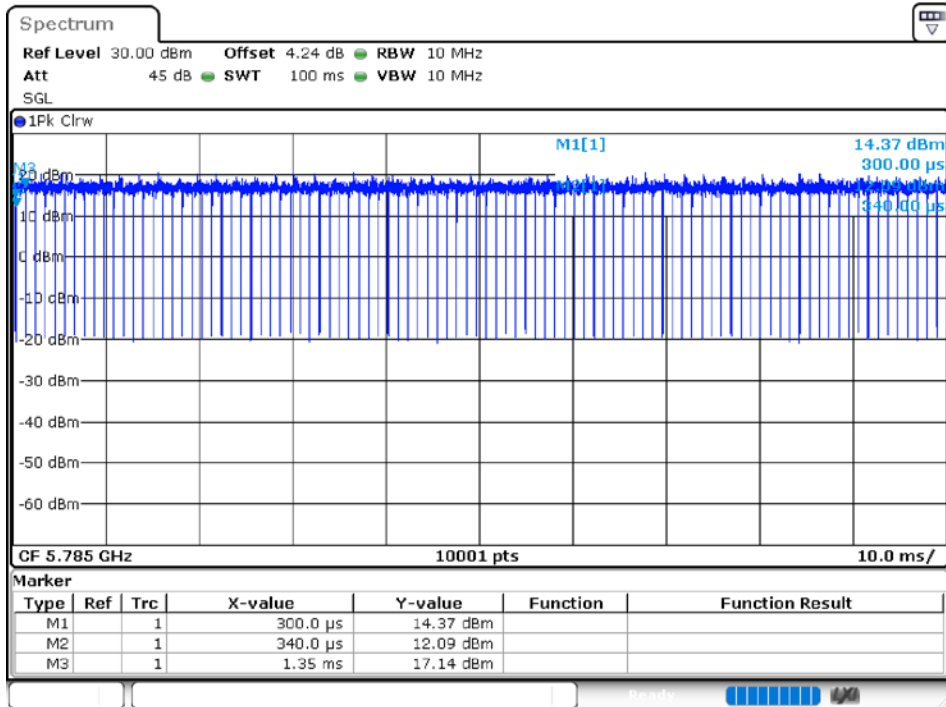
Duty Cycle NVNT ac20 5825MHz Ant1



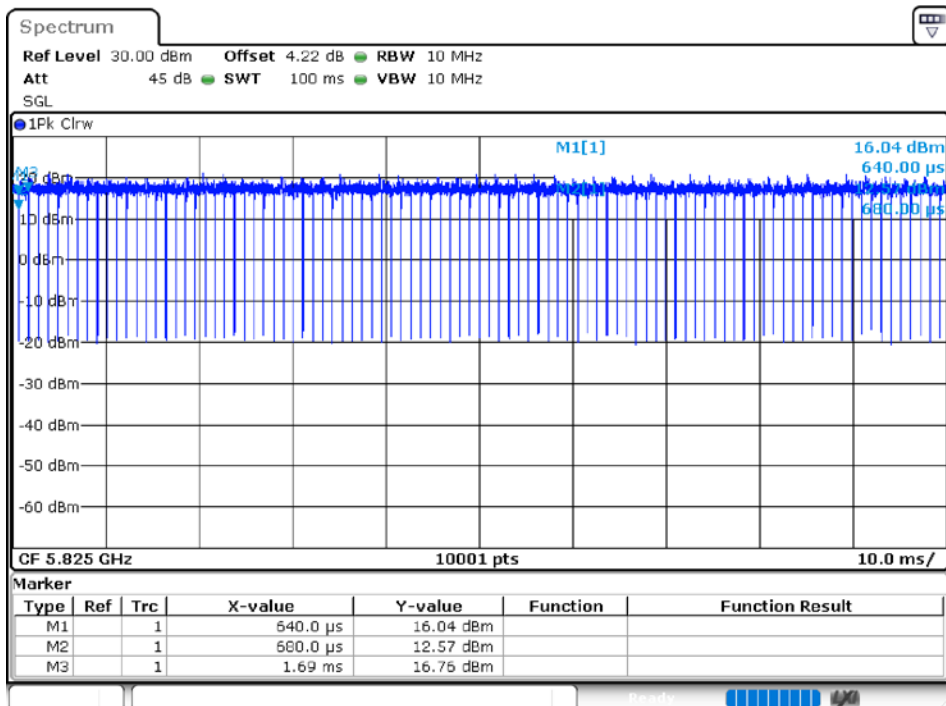
Duty Cycle NVNT ax20 5745MHz Ant1



Duty Cycle NVNT ax20 5785MHz Ant1



Duty Cycle NVNT ax20 5825MHz Ant1



Maximum Conducted Output Power

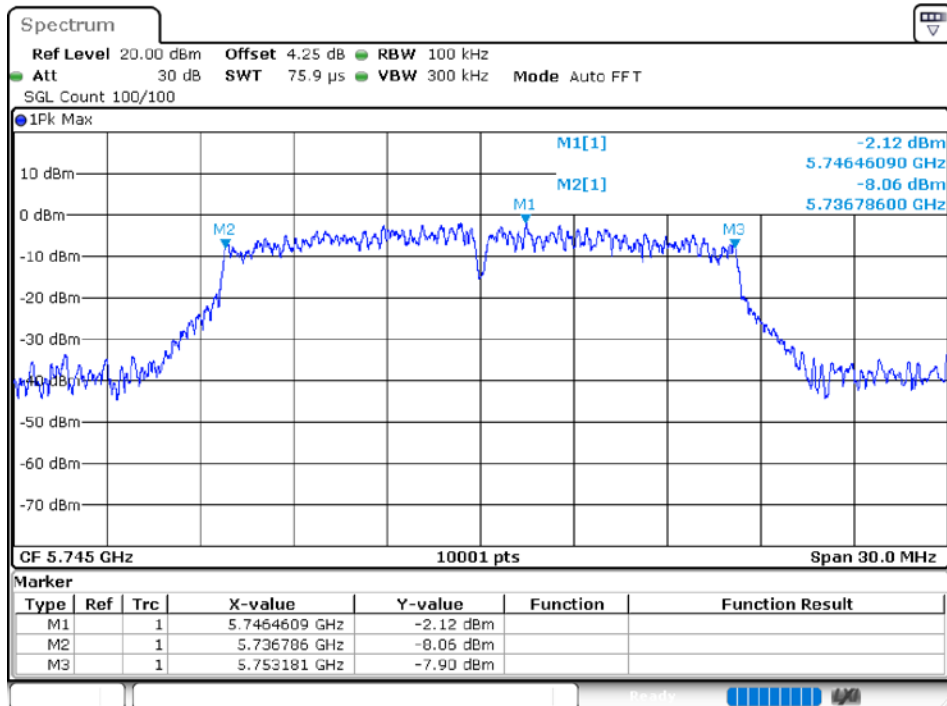
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	11.21	30	Pass
NVNT	a	5785	Ant1	12.47	30	Pass
NVNT	a	5825	Ant1	12.13	30	Pass
NVNT	n20	5745	Ant1	10.29	30	Pass
NVNT	n20	5785	Ant1	11.57	30	Pass
NVNT	n20	5825	Ant1	11.45	30	Pass
NVNT	ac20	5745	Ant1	10.28	30	Pass
NVNT	ac20	5785	Ant1	11.63	30	Pass
NVNT	ac20	5825	Ant1	11.85	30	Pass
NVNT	ax20	5745	Ant1	10.29	30	Pass
NVNT	ax20	5785	Ant1	11.6	30	Pass
NVNT	ax20	5825	Ant1	11.24	30	Pass

-6dB Bandwidth

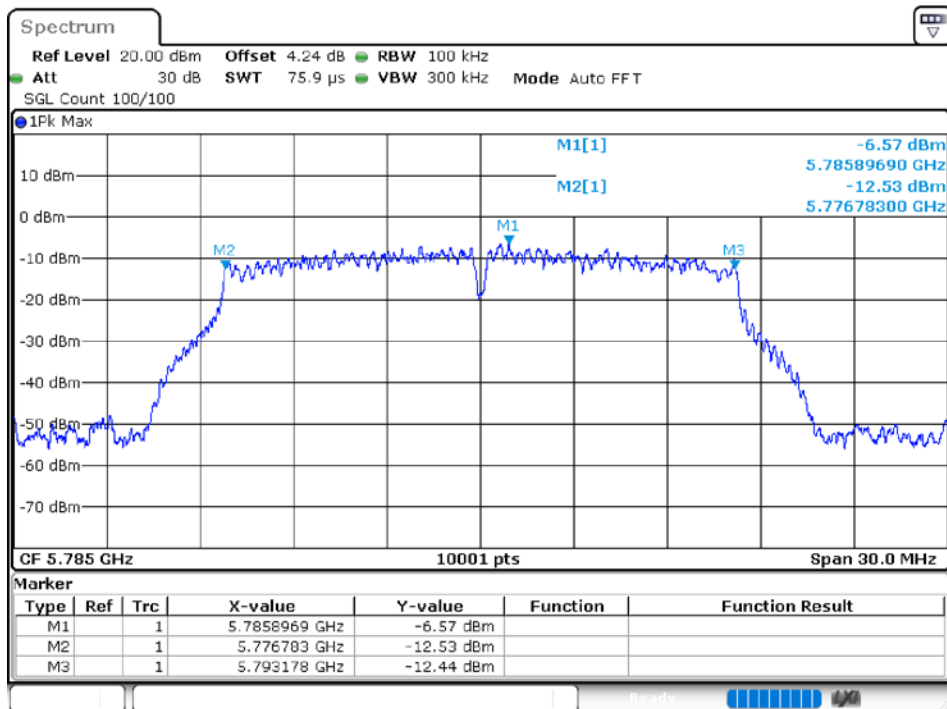
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.395	0.5	Pass
NVNT	a	5785	Ant1	16.395	0.5	Pass
NVNT	a	5825	Ant1	16.377	0.5	Pass
NVNT	n20	5745	Ant1	17.547	0.5	Pass
NVNT	n20	5785	Ant1	14.595	0.5	Pass
NVNT	n20	5825	Ant1	17.55	0.5	Pass
NVNT	ac20	5745	Ant1	15.036	0.5	Pass
NVNT	ac20	5785	Ant1	13.845	0.5	Pass
NVNT	ac20	5825	Ant1	15.651	0.5	Pass
NVNT	ax20	5745	Ant1	18.684	0.5	Pass
NVNT	ax20	5785	Ant1	17.541	0.5	Pass
NVNT	ax20	5825	Ant1	16.305	0.5	Pass

Test Graphs

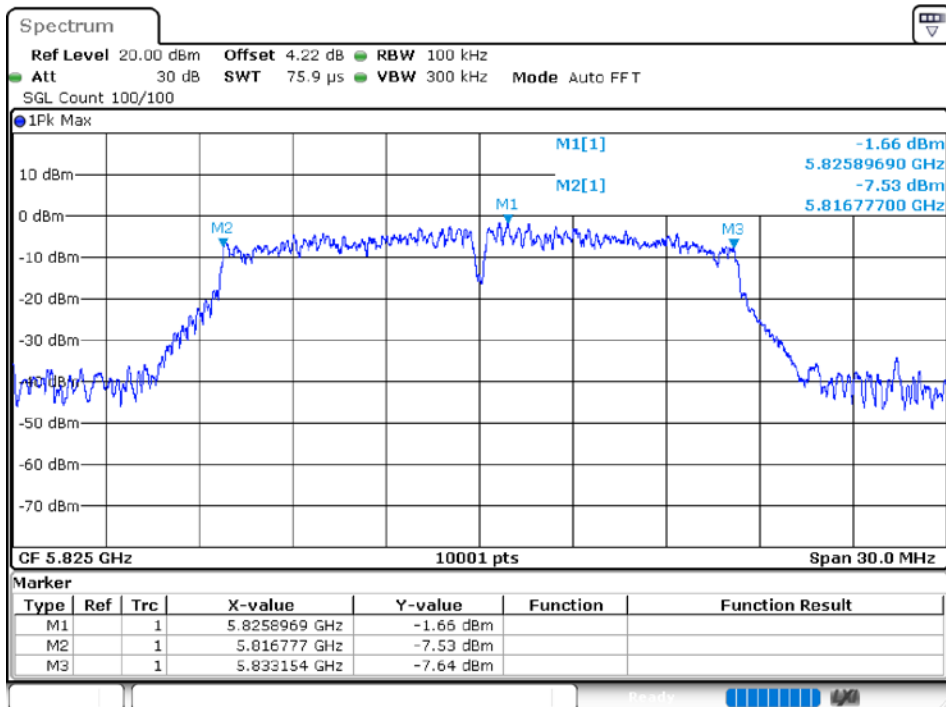
-6dB Bandwidth NVNT a 5745MHz Ant1



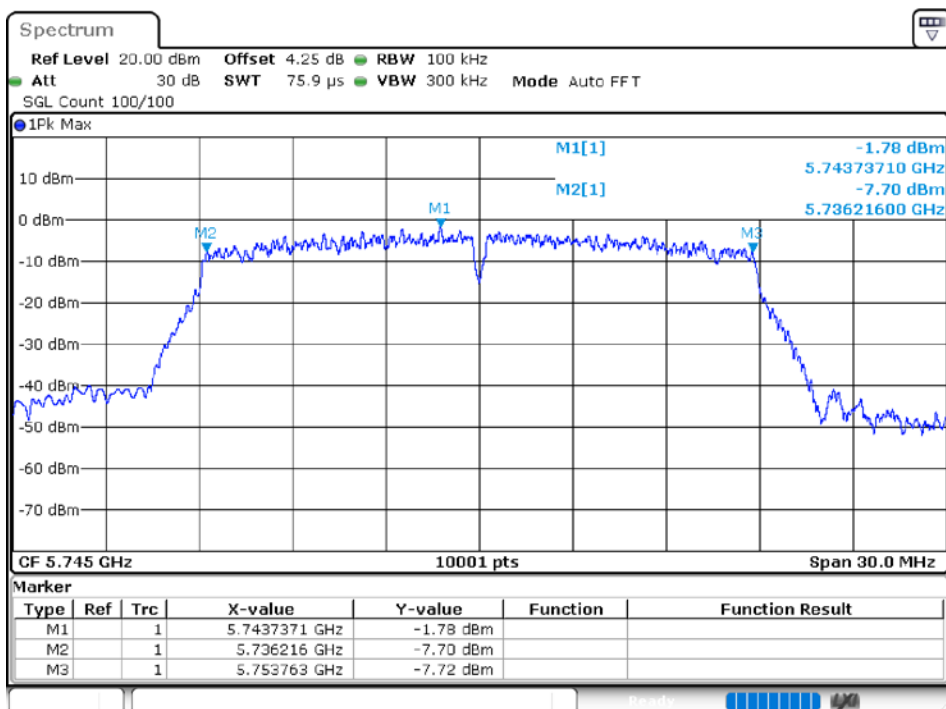
-6dB Bandwidth NVNT a 5785MHz Ant1



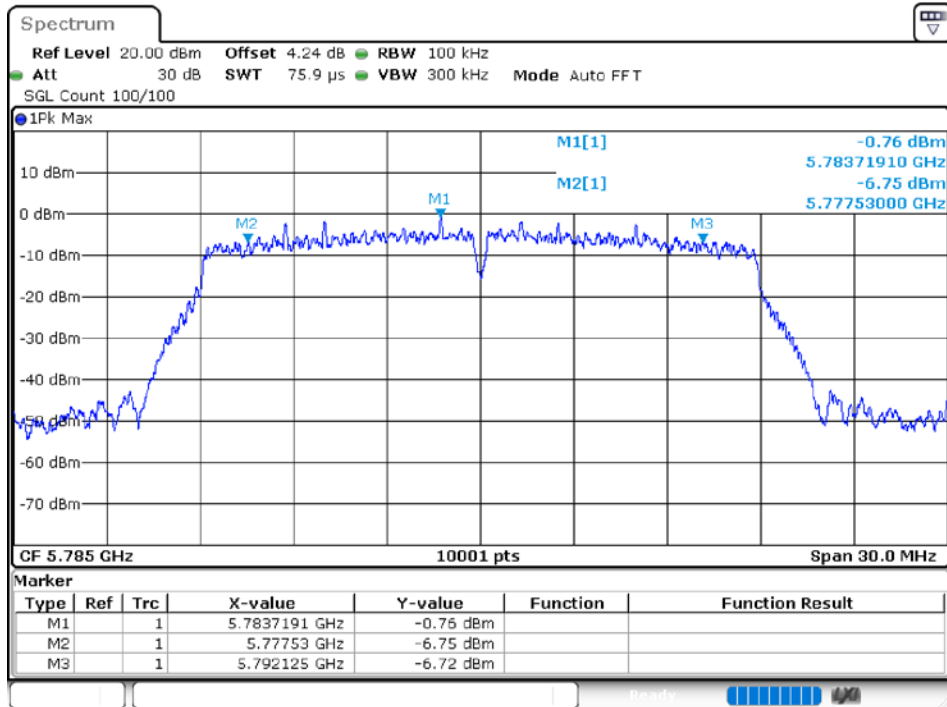
-6dB Bandwidth NVNT a 5825MHz Ant1



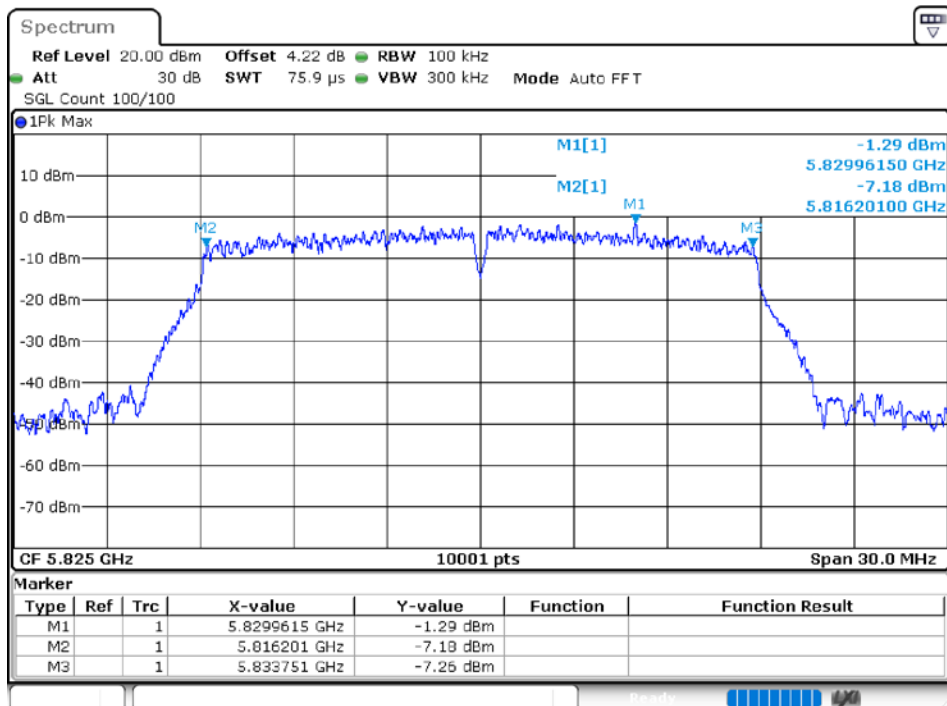
-6dB Bandwidth NVNT n20 5745MHz Ant1



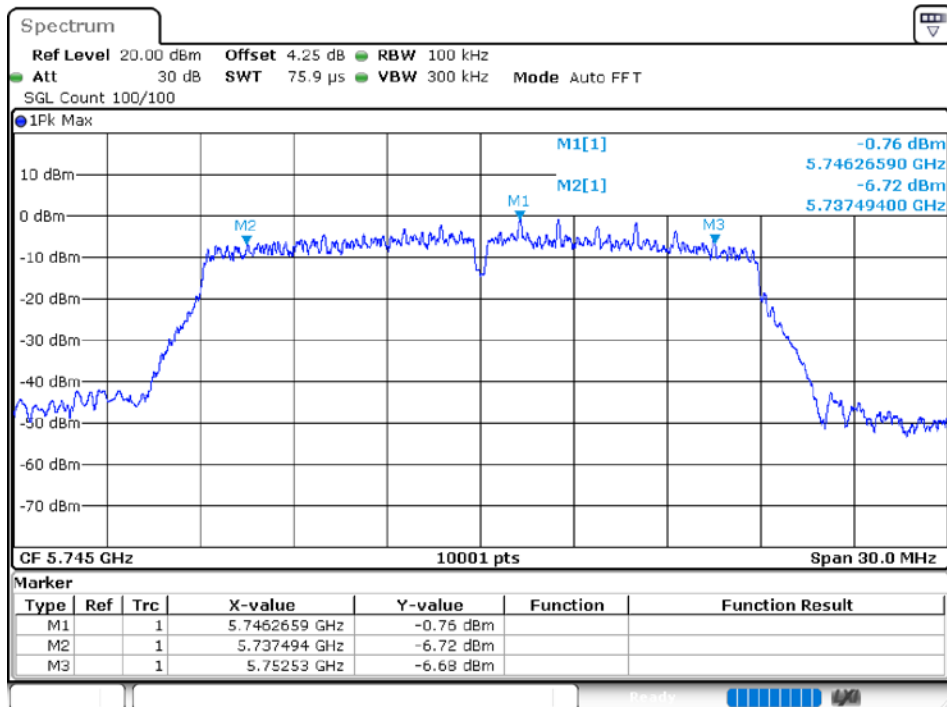
-6dB Bandwidth NVNT n20 5785MHz Ant1



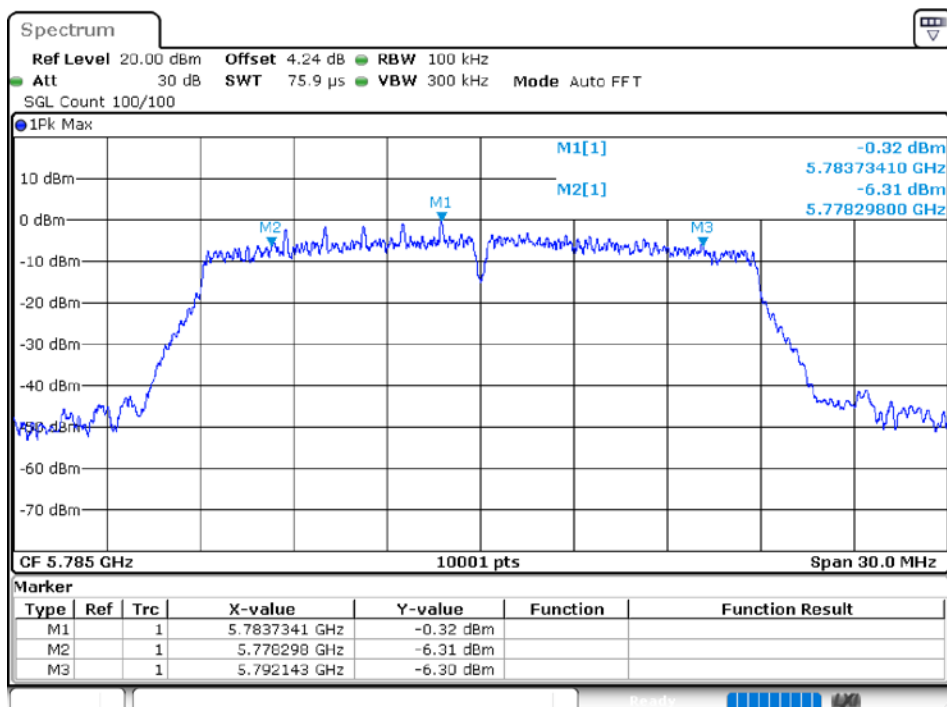
-6dB Bandwidth NVNT n20 5825MHz Ant1

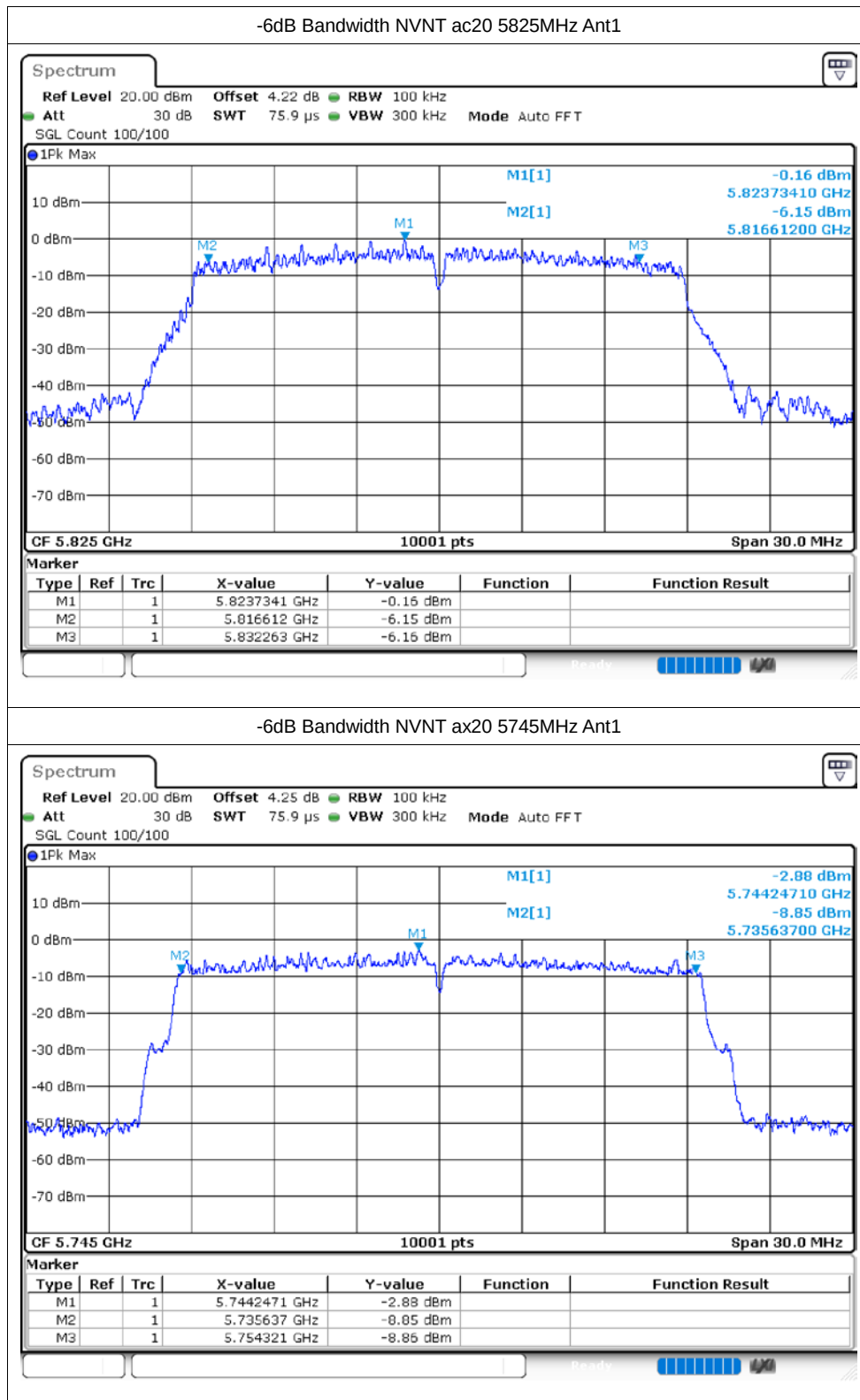


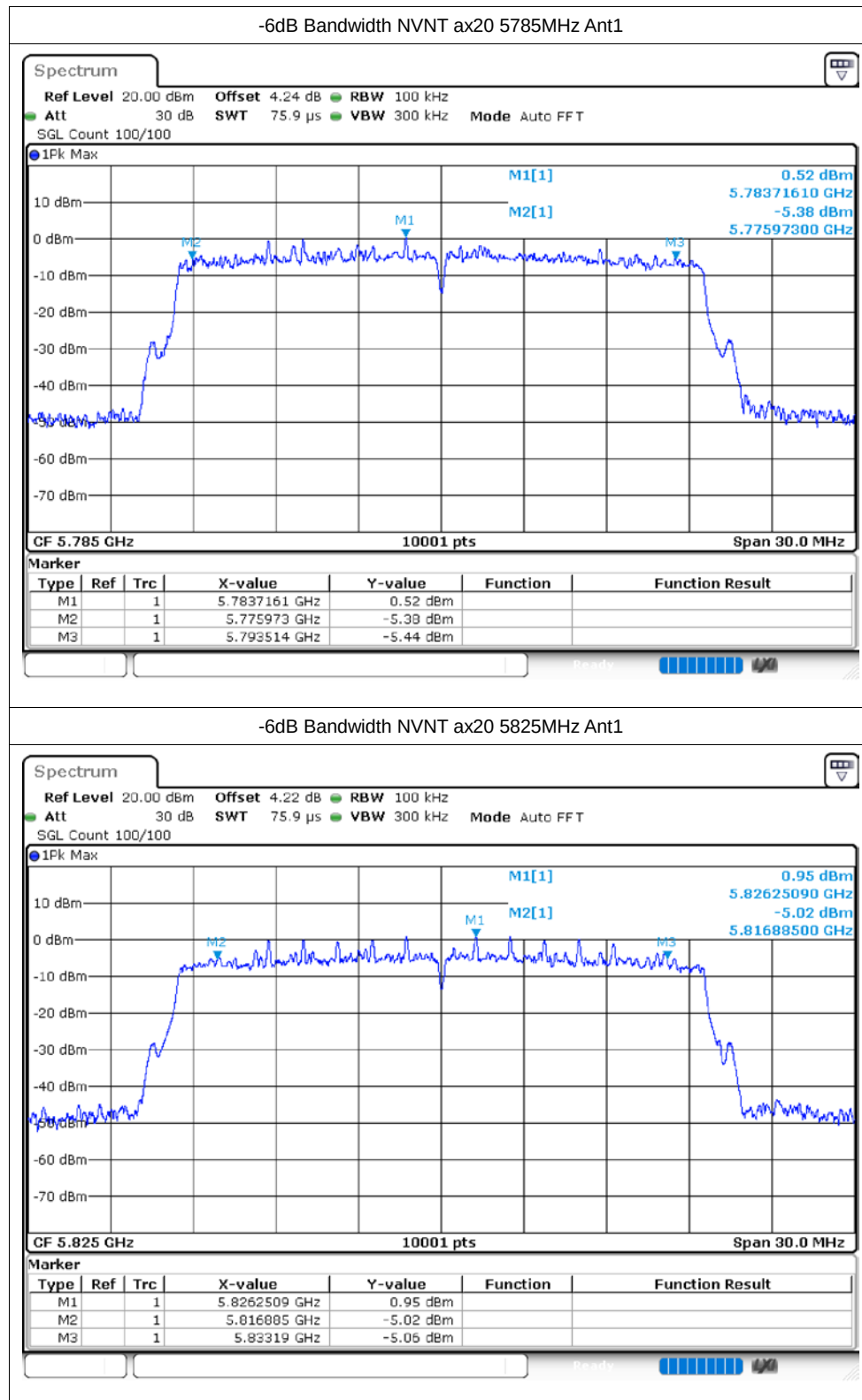
-6dB Bandwidth NVNT ac20 5745MHz Ant1



-6dB Bandwidth NVNT ac20 5785MHz Ant1





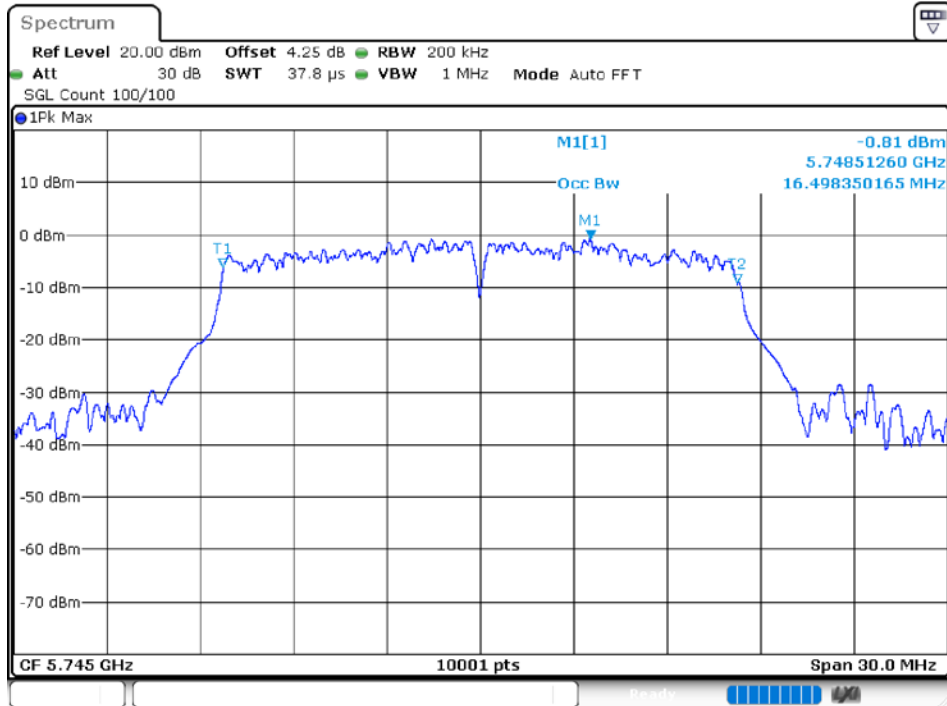


Occupied Channel Bandwidth

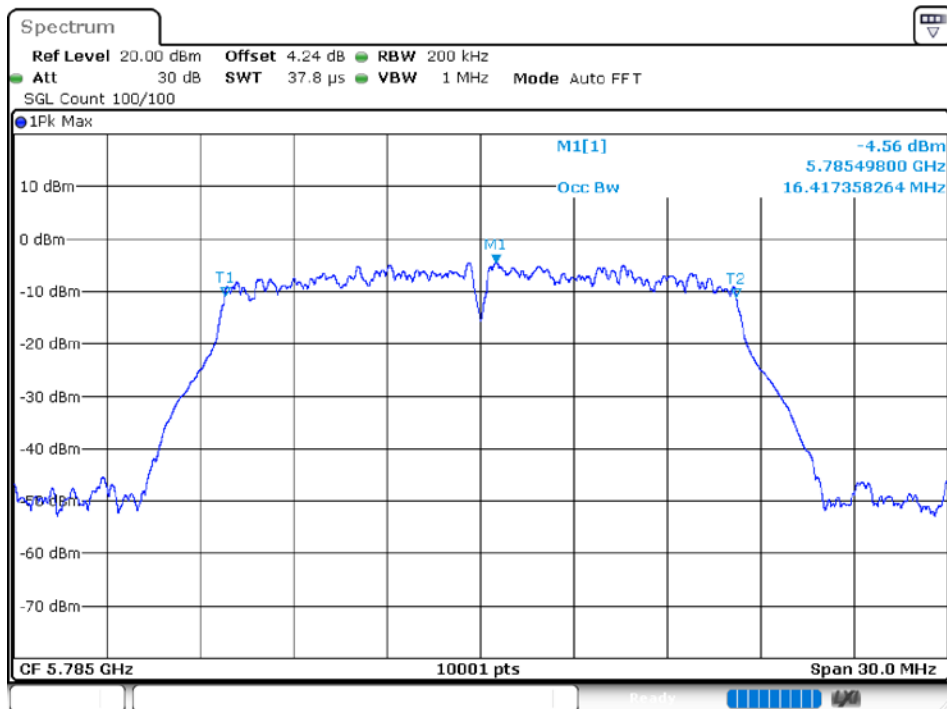
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.498
NVNT	a	5785	Ant1	16.417
NVNT	a	5825	Ant1	16.429
NVNT	n20	5745	Ant1	17.563
NVNT	n20	5785	Ant1	17.512
NVNT	n20	5825	Ant1	17.551
NVNT	ac20	5745	Ant1	17.569
NVNT	ac20	5785	Ant1	17.575
NVNT	ac20	5825	Ant1	17.548
NVNT	ax20	5745	Ant1	18.808
NVNT	ax20	5785	Ant1	18.841
NVNT	ax20	5825	Ant1	18.805

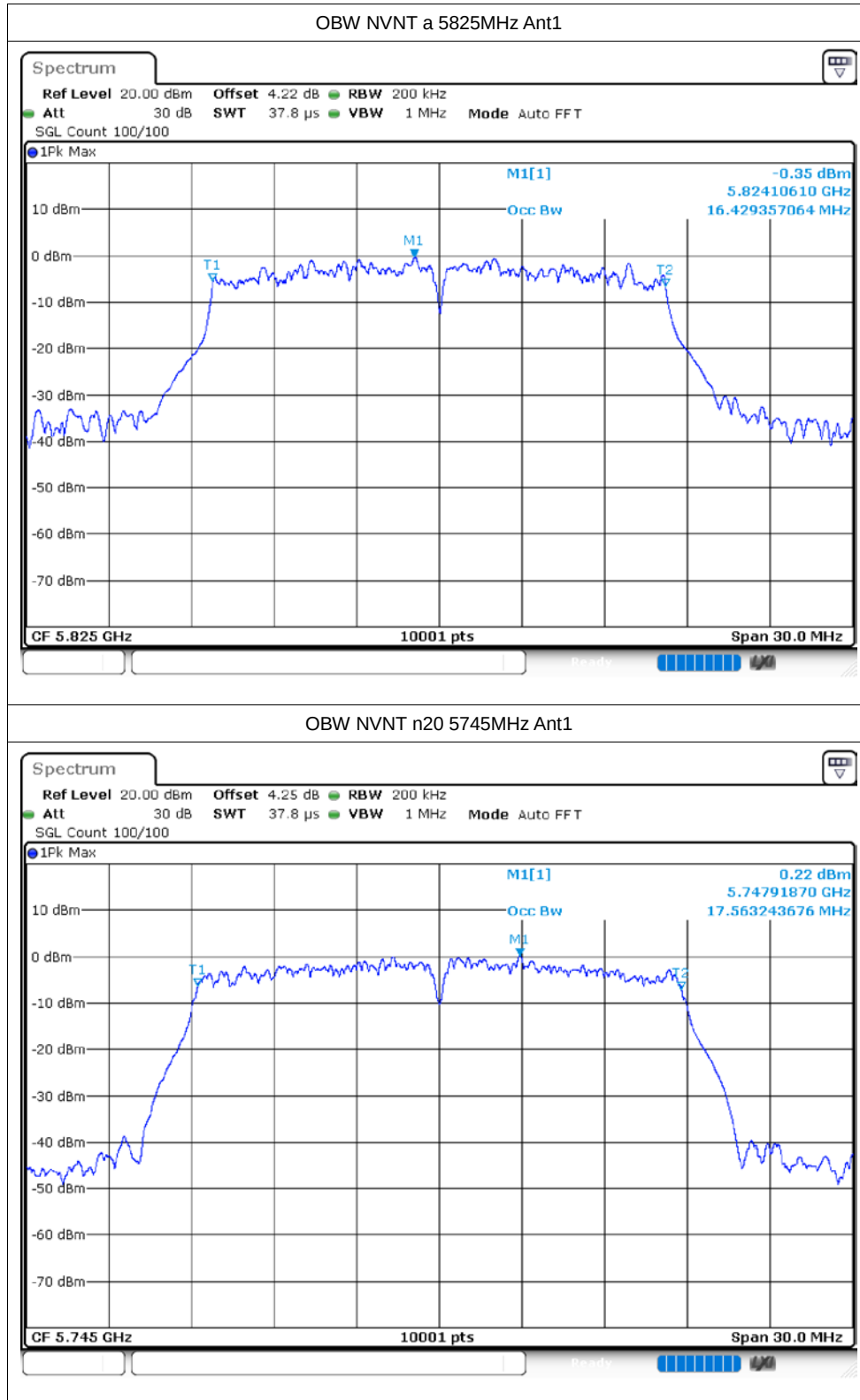
Test Graphs

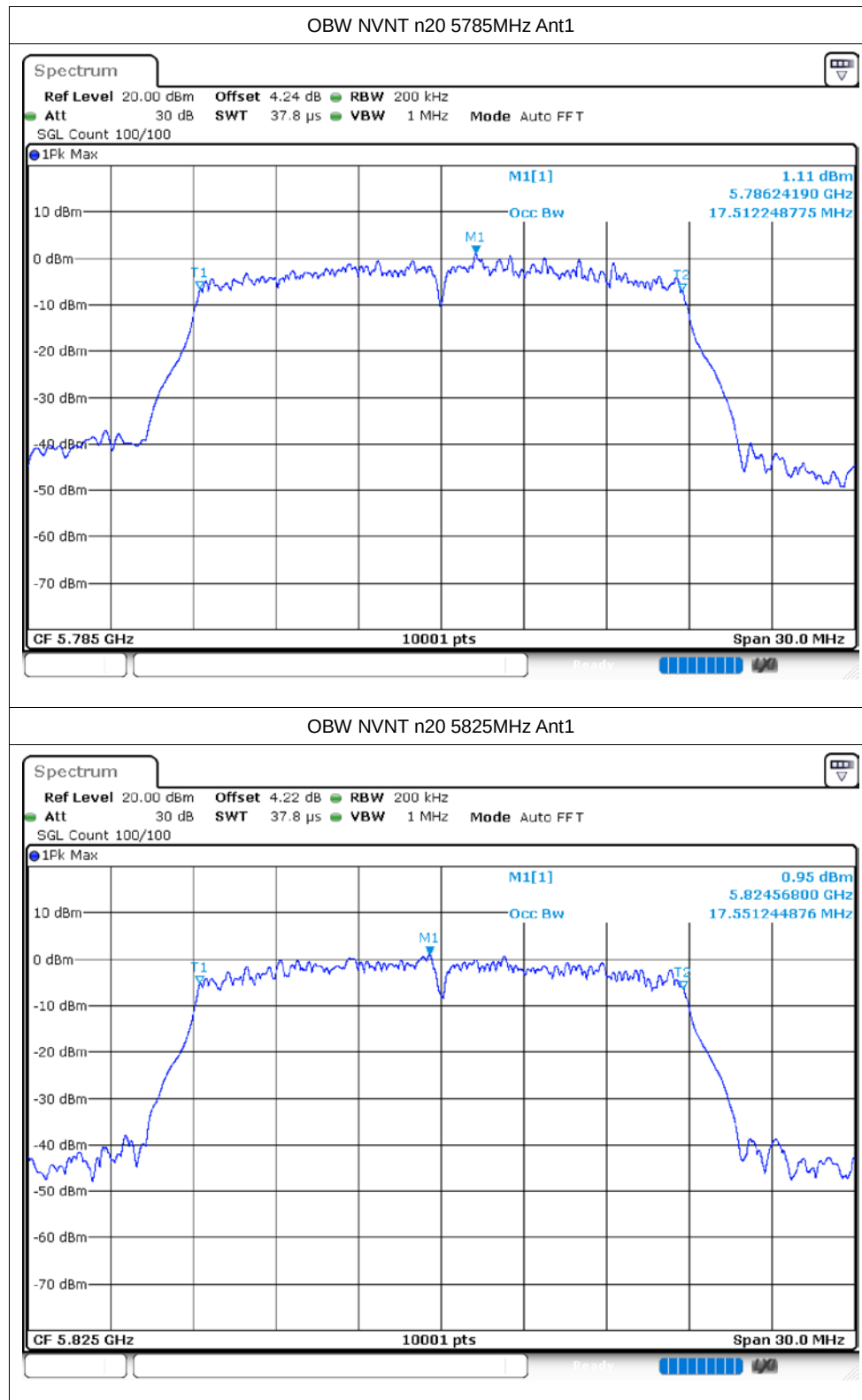
OBW NVNT a 5745MHz Ant1

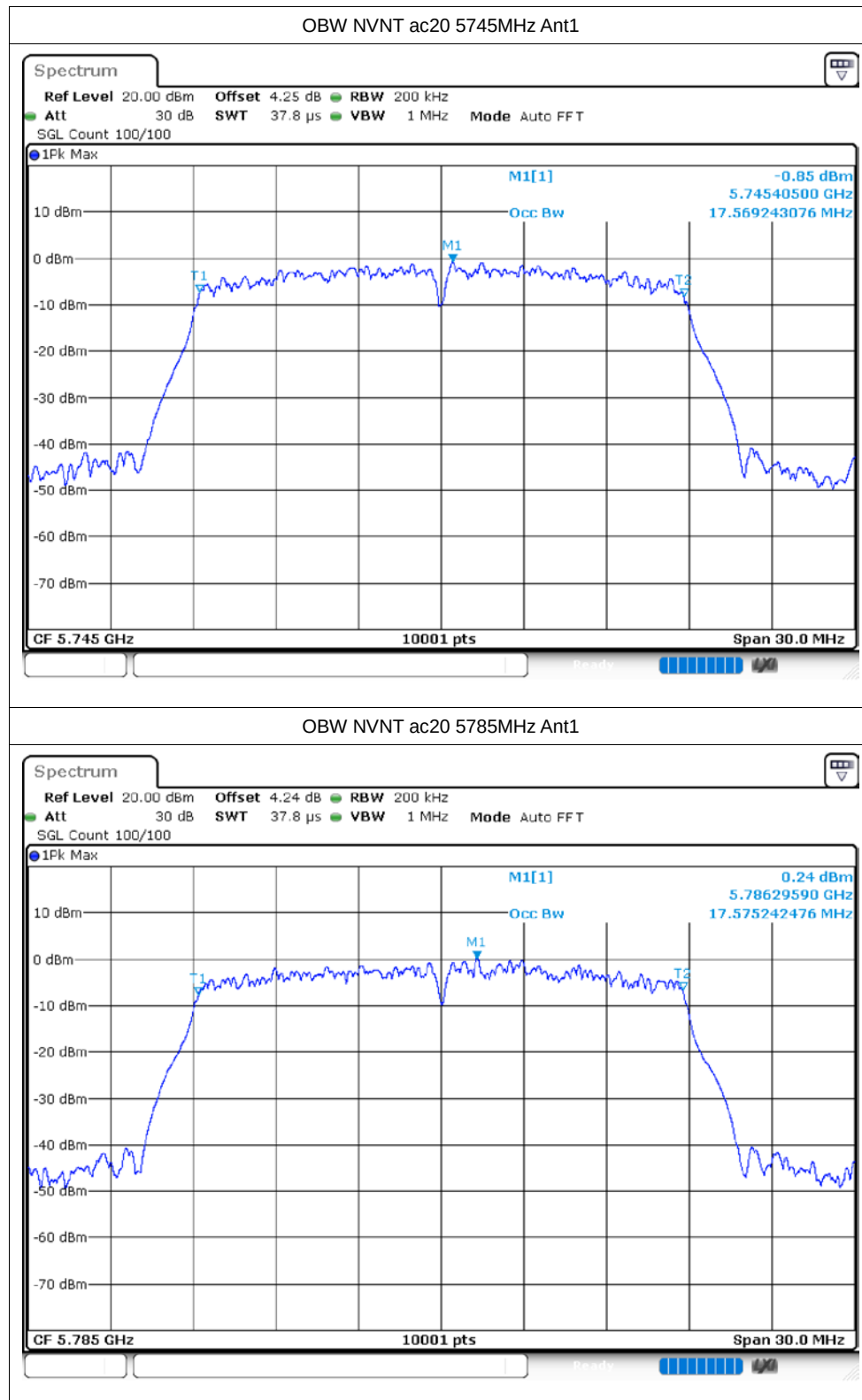


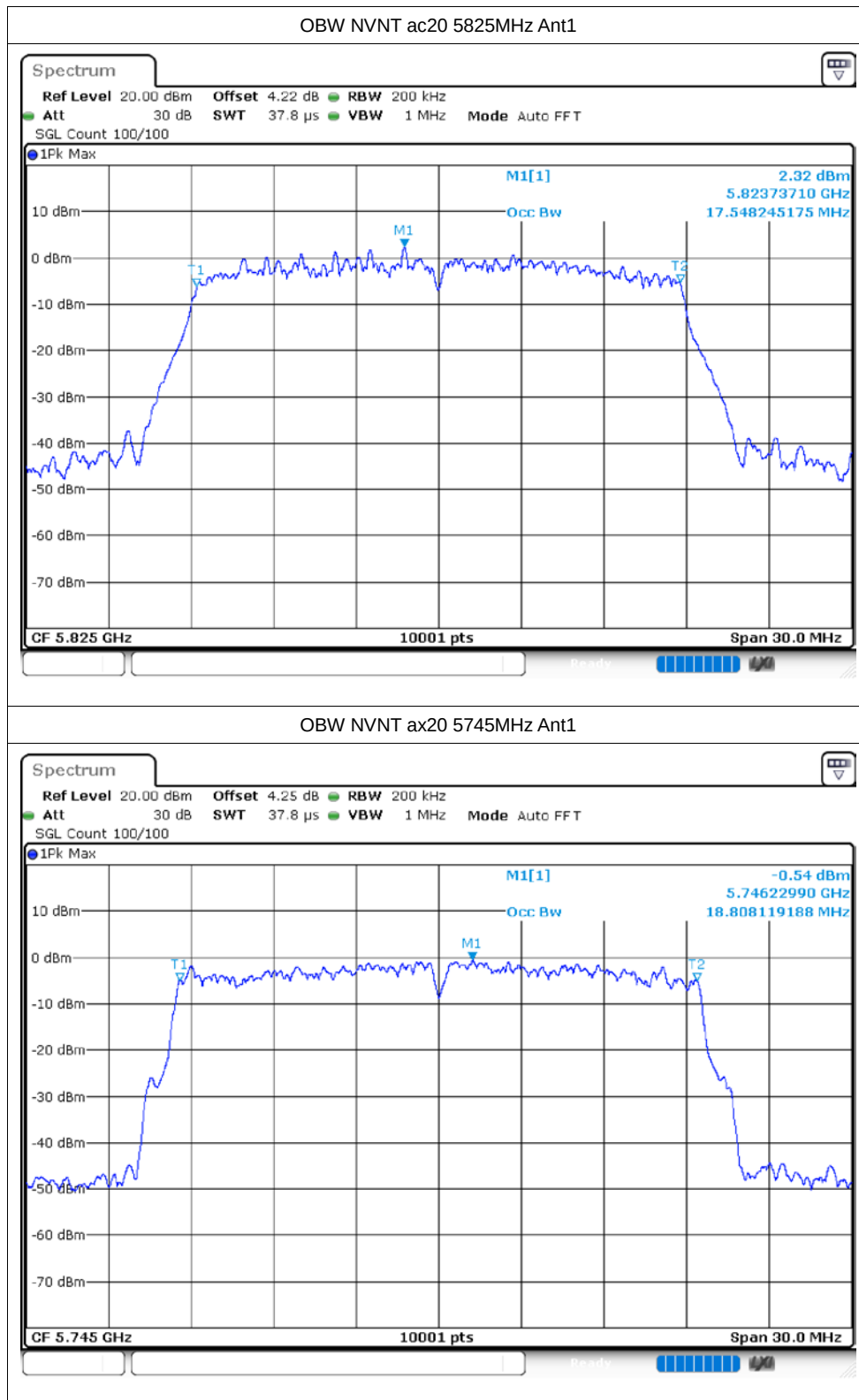
OBW NVNT a 5785MHz Ant1

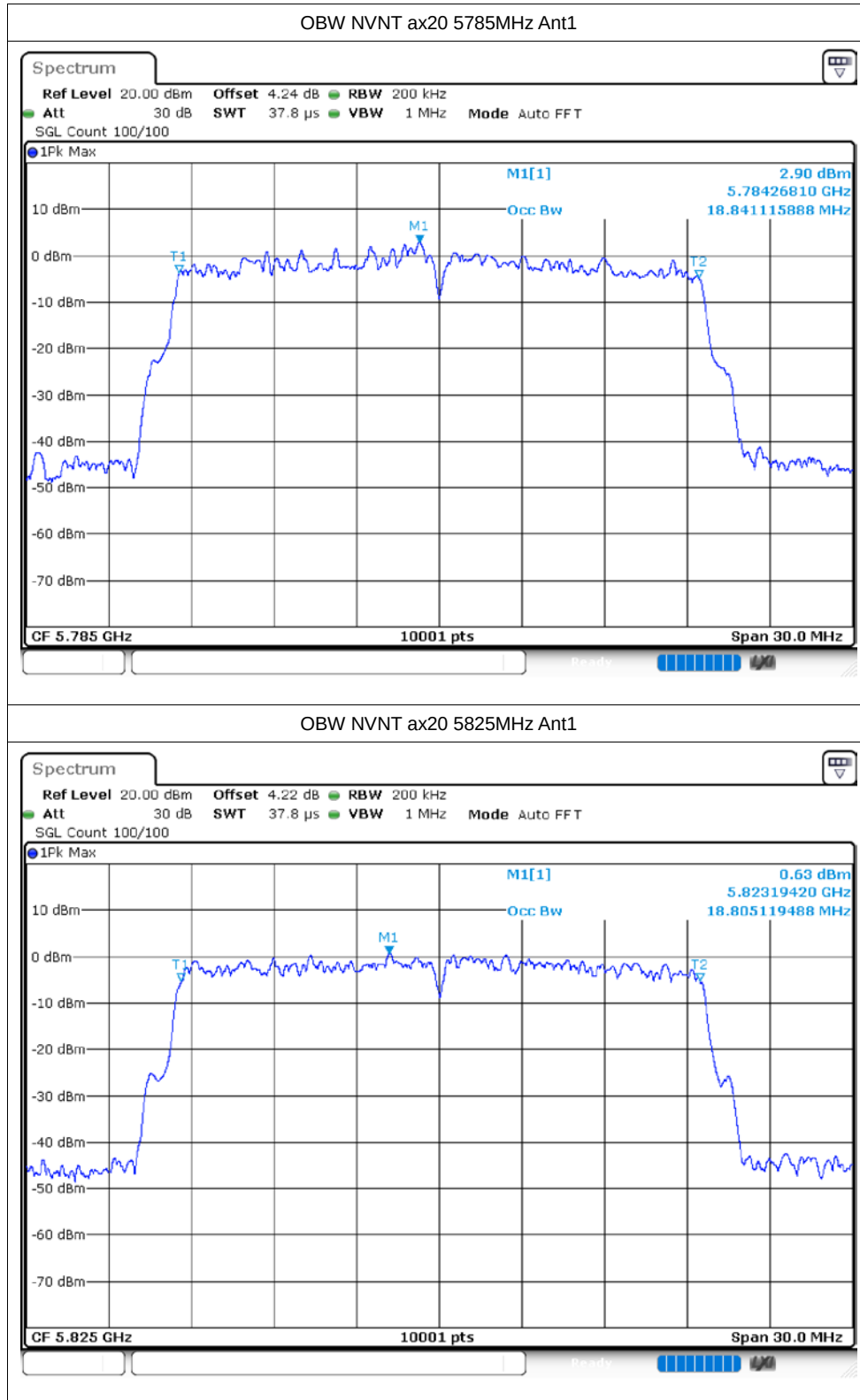










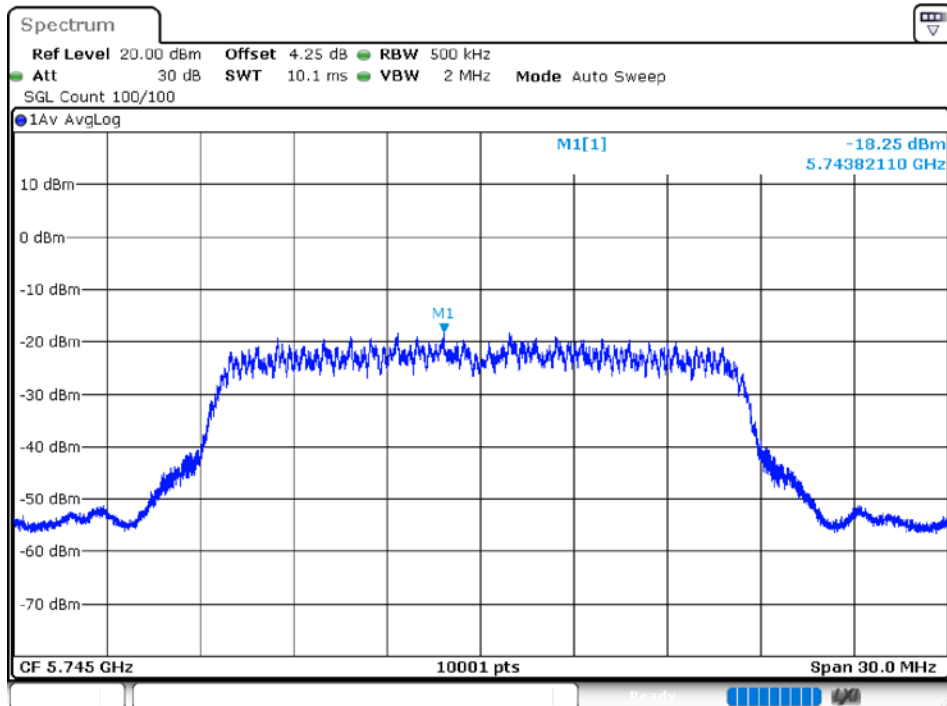


Maximum Power Spectral Density Level

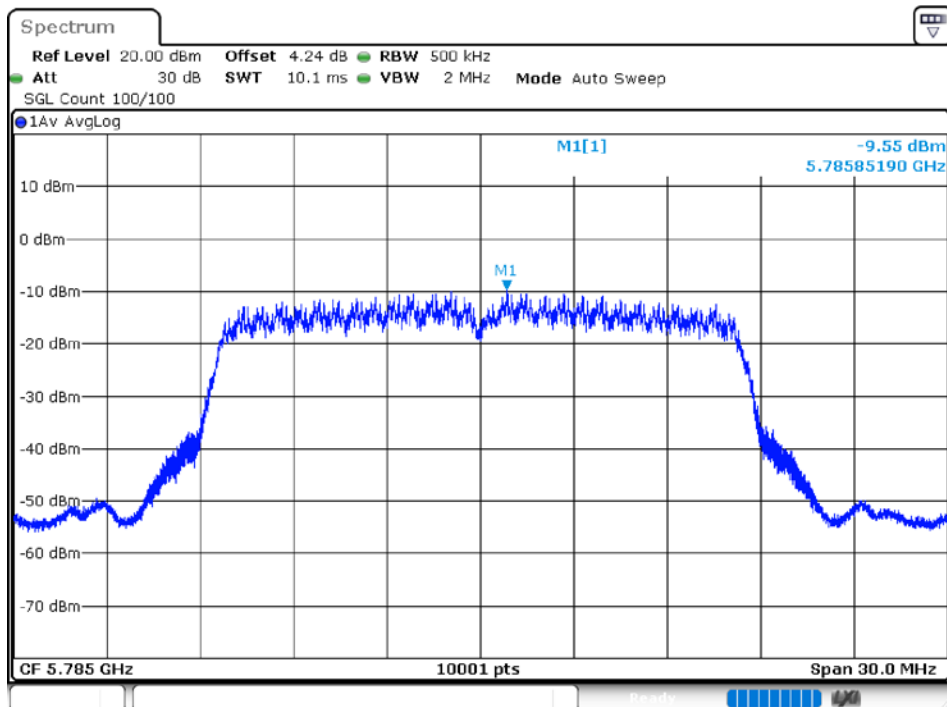
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-18.25	0.12	-16.34	30	Pass
NVNT	a	5785	Ant1	-9.55	0.12	-16.3	30	Pass
NVNT	a	5825	Ant1	-9.56	0.12	-16.02	30	Pass
NVNT	n20	5745	Ant1	-12.22	0.09	-3.59	30	Pass
NVNT	n20	5785	Ant1	-3.62	0.08	-4.16	30	Pass
NVNT	n20	5825	Ant1	-3.22	0.02	-4.55	30	Pass
NVNT	ac20	5745	Ant1	-11.61	0.08	-4.48	30	Pass
NVNT	ac20	5785	Ant1	-3.55	0.08	-4.58	30	Pass
NVNT	ac20	5825	Ant1	-3.35	0.09	-4.46	30	Pass
NVNT	ax20	5745	Ant1	-13.99	0.11	-4.38	30	Pass
NVNT	ax20	5785	Ant1	-4.16	0.11	-4.66	30	Pass
NVNT	ax20	5825	Ant1	-4.12	0.10	-4.86	30	Pass

Test Graphs

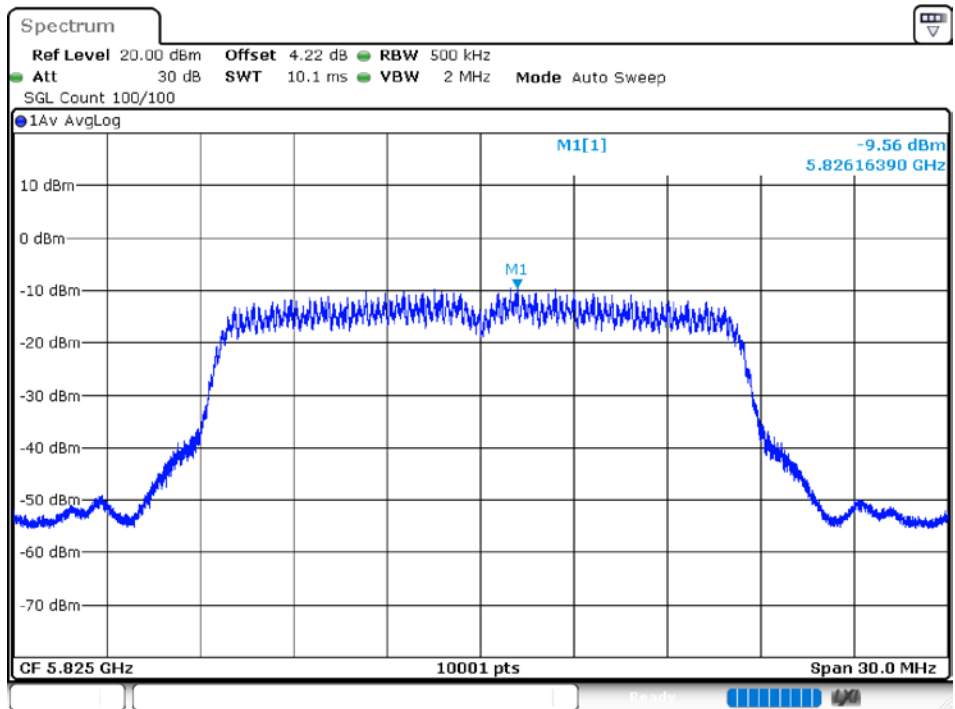
PSD NVNT a 5745MHz Ant1



PSD NVNT a 5785MHz Ant1



PSD NVNT a 5825MHz Ant1



PSD NVNT n20 5745MHz Ant1

