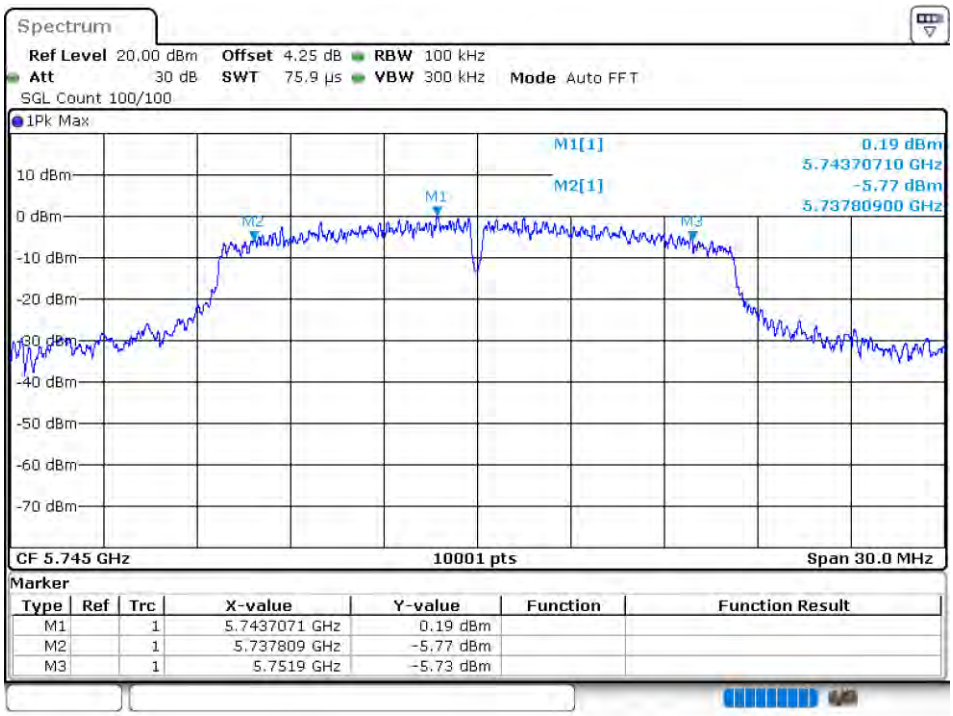
-6dB Bandwidth

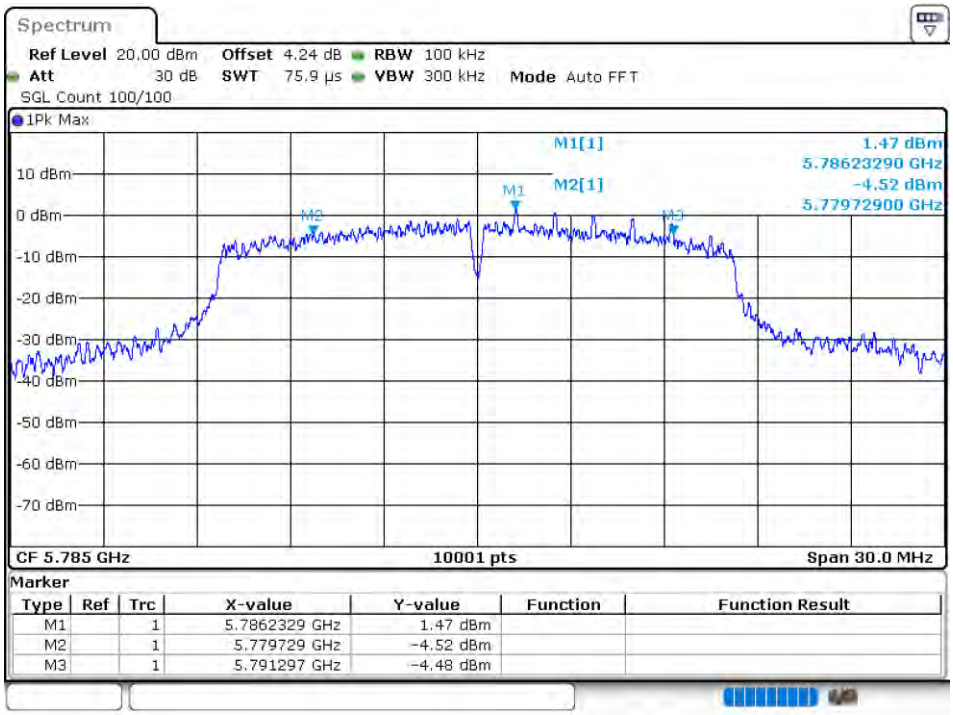
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	14.091	0.5	Pass
NVNT	a	5785	Ant1	11.568	0.5	Pass
NVNT	a	5825	Ant1	13.785	0.5	Pass
NVNT	n20	5745	Ant1	14.784	0.5	Pass
NVNT	n20	5785	Ant1	14.433	0.5	Pass
NVNT	n20	5825	Ant1	12.843	0.5	Pass

Test Graphs

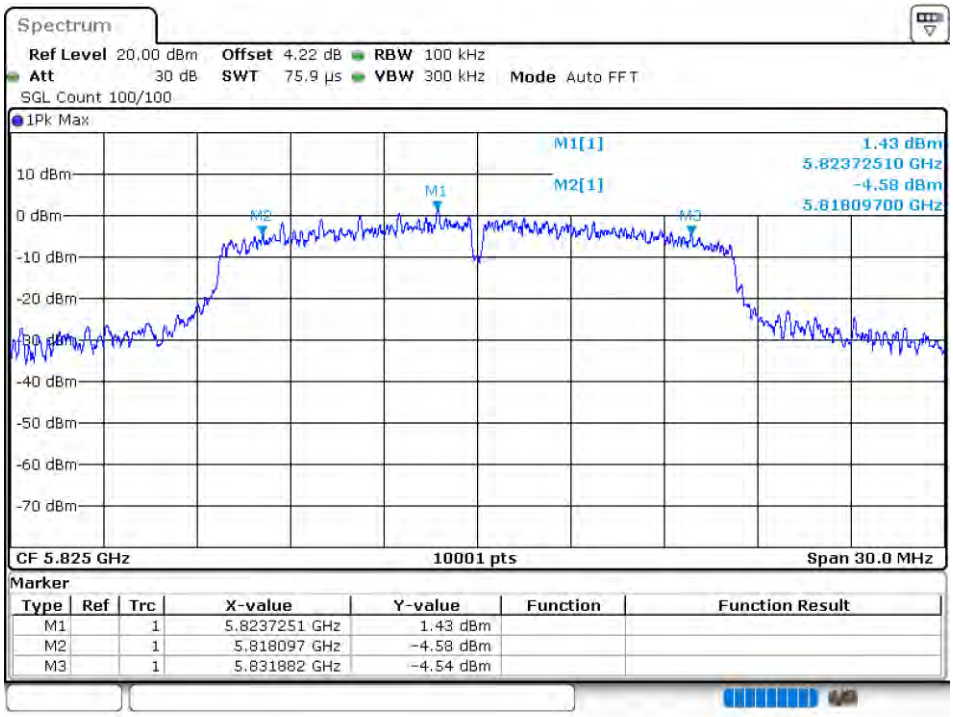
-6dB Bandwidth NVNT a 5745MHz Ant1



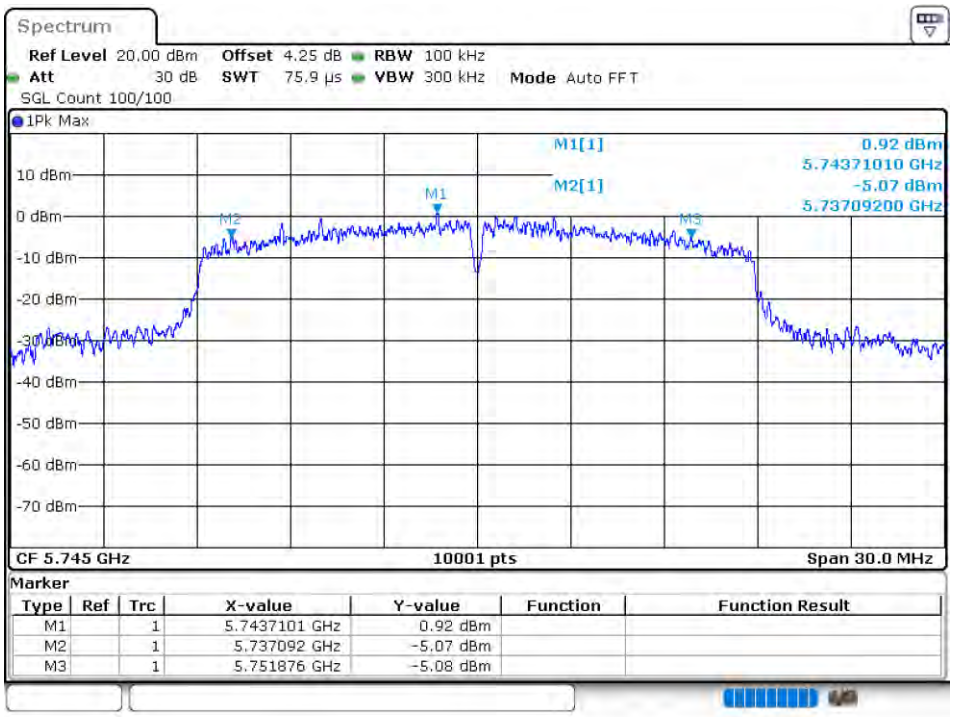
-6dB Bandwidth NVNT a 5785MHz Ant1



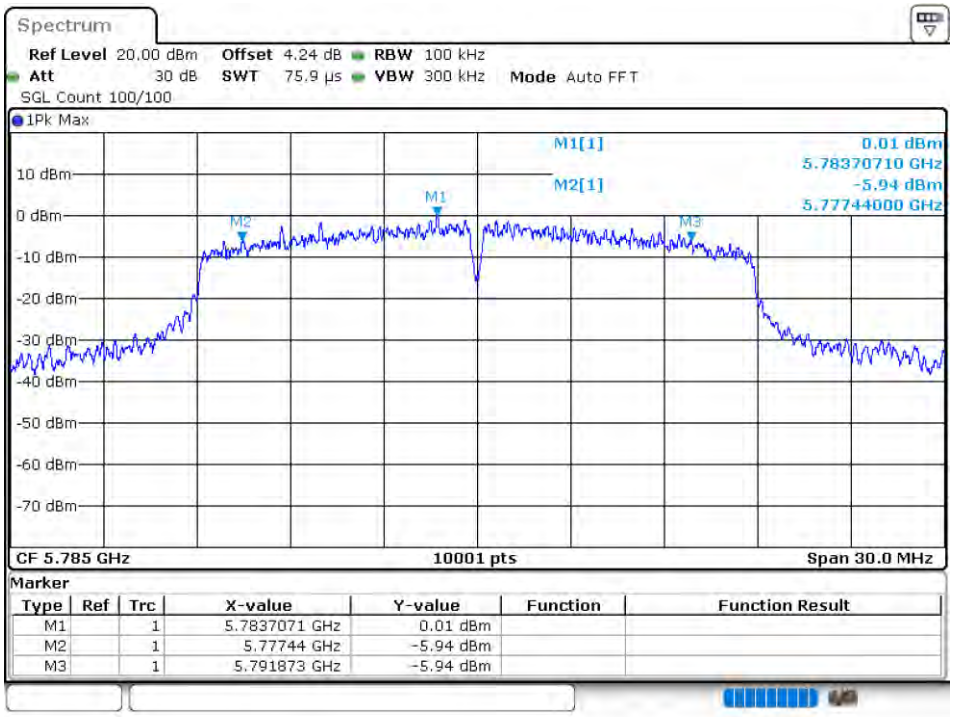
-6dB Bandwidth NVNT a 5825MHz Ant1



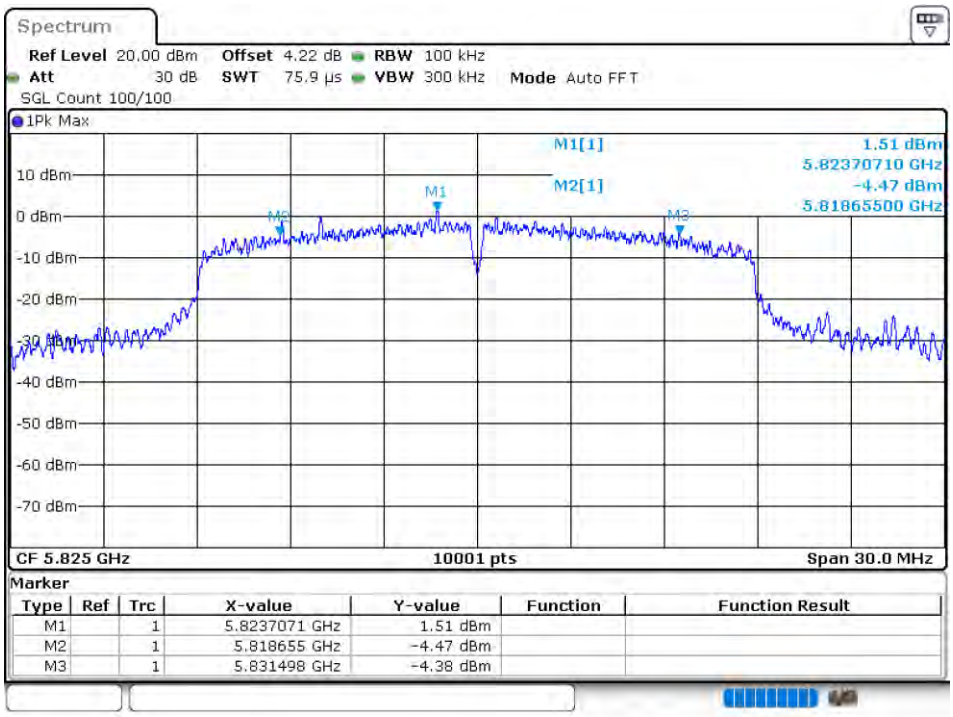
-6dB Bandwidth NVNT n20 5745MHz Ant1



-6dB Bandwidth NVNT n20 5785MHz Ant1



-6dB Bandwidth NVNT n20 5825MHz Ant1

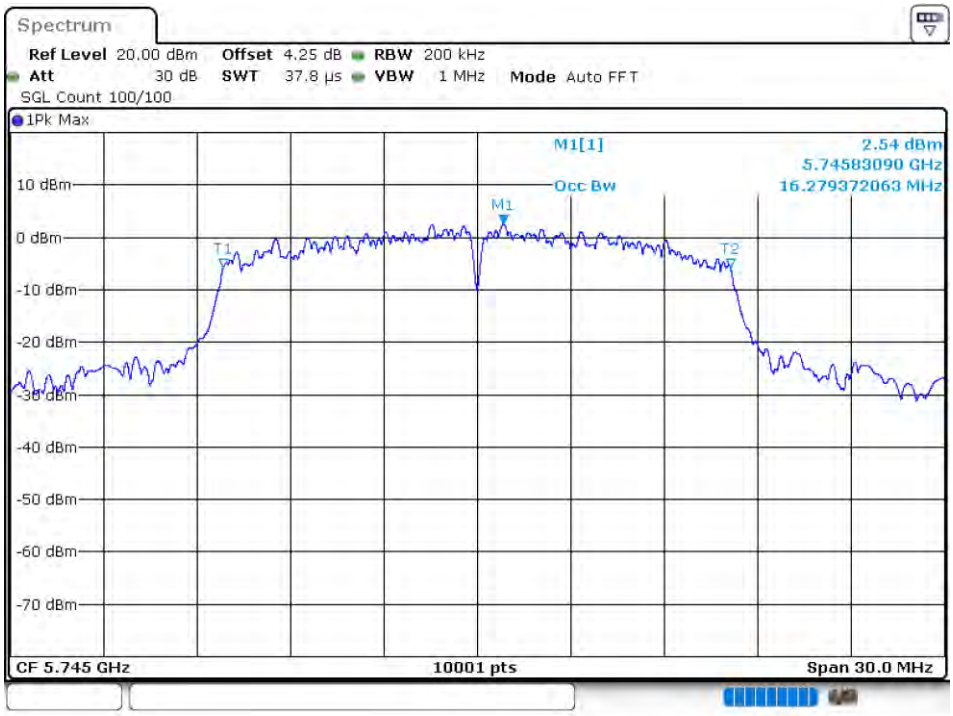


Occupied Channel Bandwidth

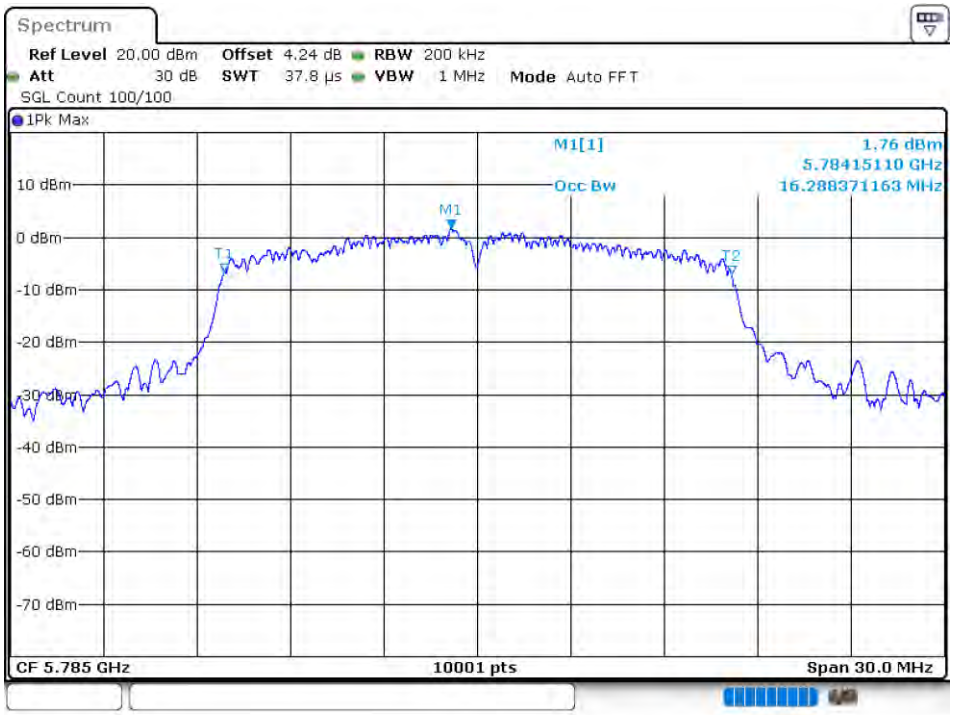
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.279
NVNT	a	5785	Ant1	16.288
NVNT	a	5825	Ant1	16.294
NVNT	n20	5745	Ant1	17.365
NVNT	n20	5785	Ant1	17.377
NVNT	n20	5825	Ant1	17.434

Test Graphs

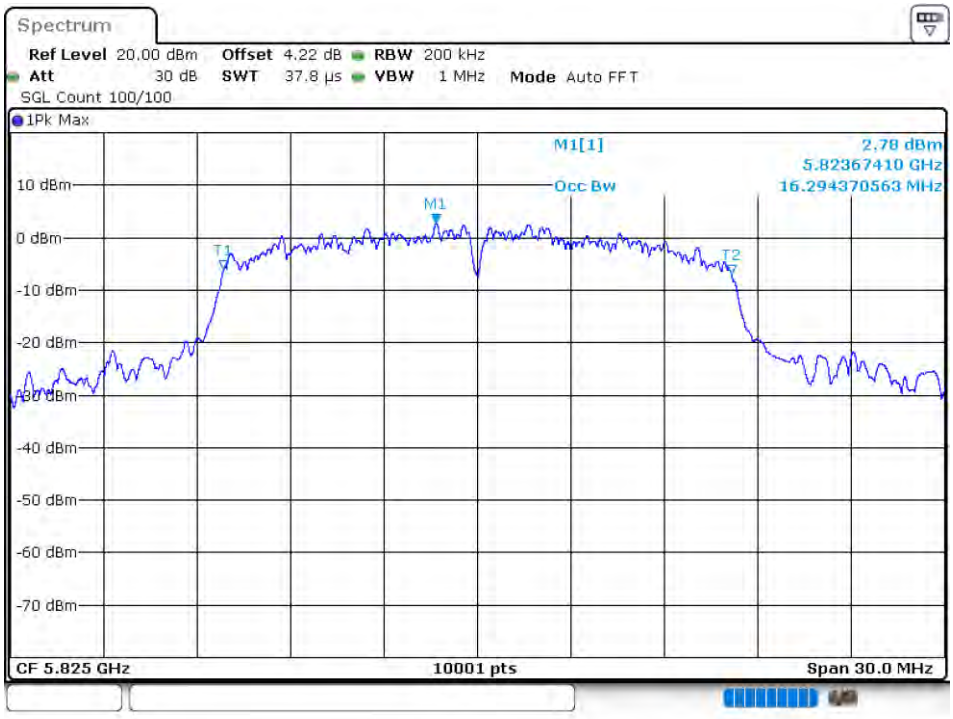
OBW NVNT a 5745MHz Ant1



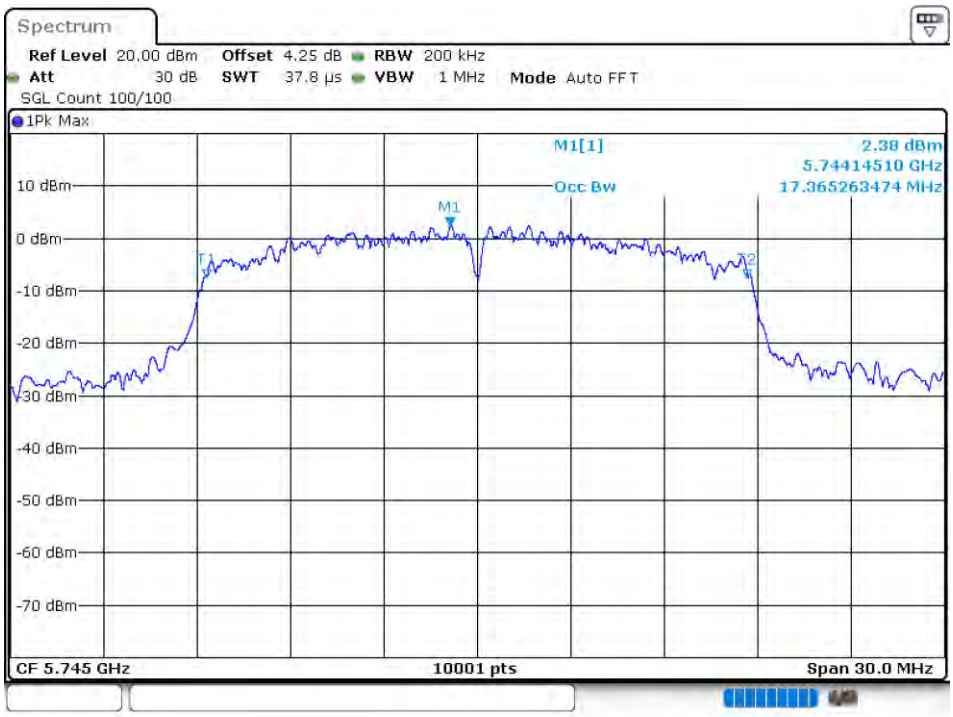
OBW NVNT a 5785MHz Ant1



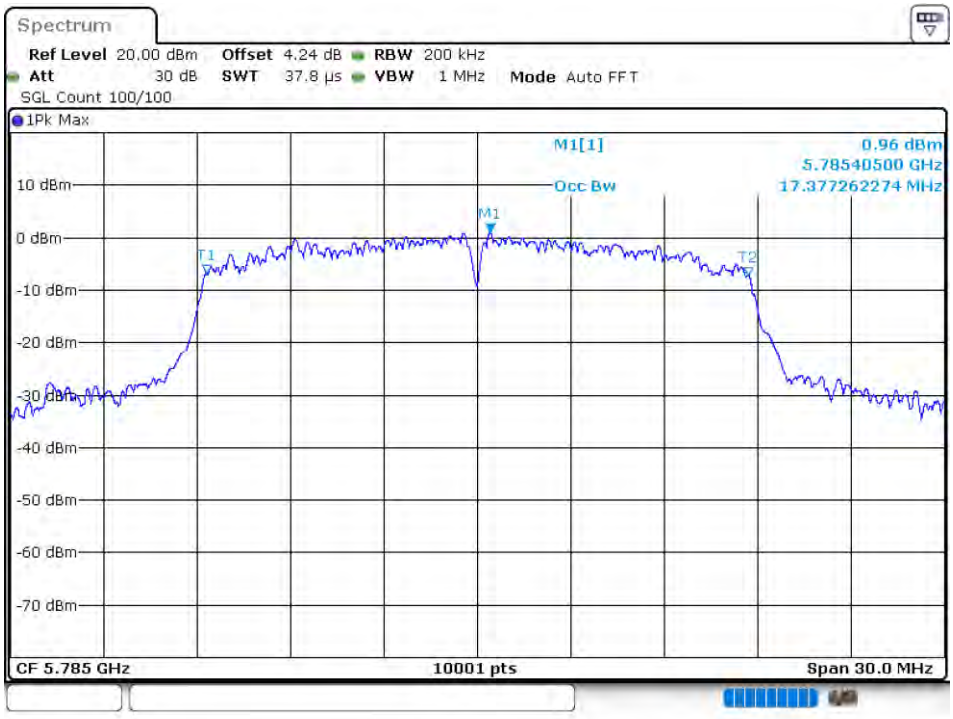
OBW NVNT a 5825MHz Ant1



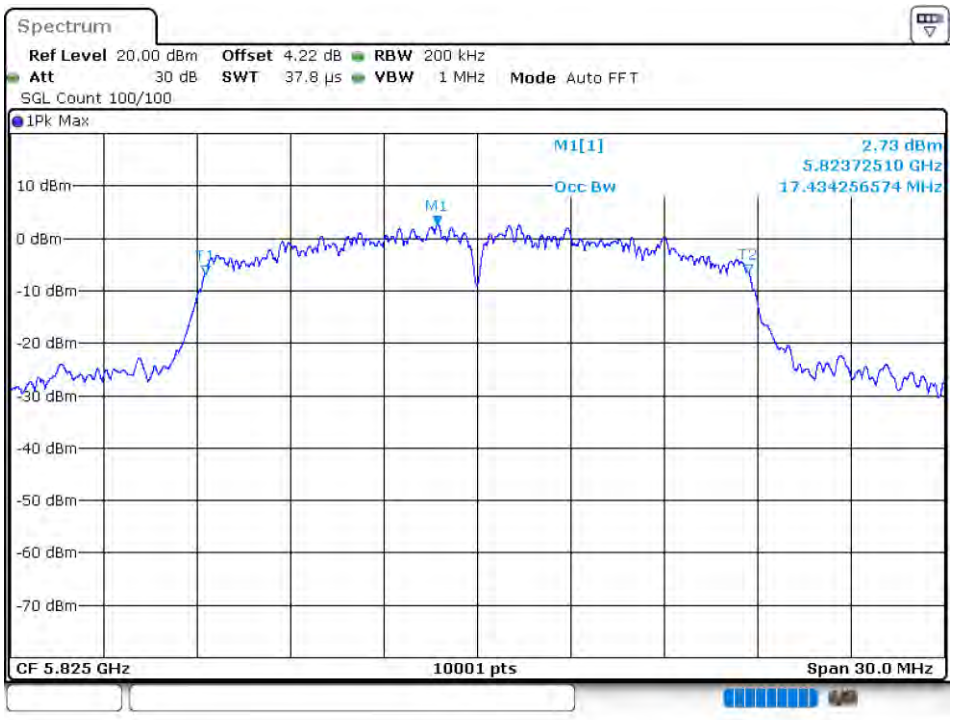
OBW NVNT n20 5745MHz Ant1



OBW NVNT n20 5785MHz Ant1



OBW NVNT n20 5825MHz Ant1

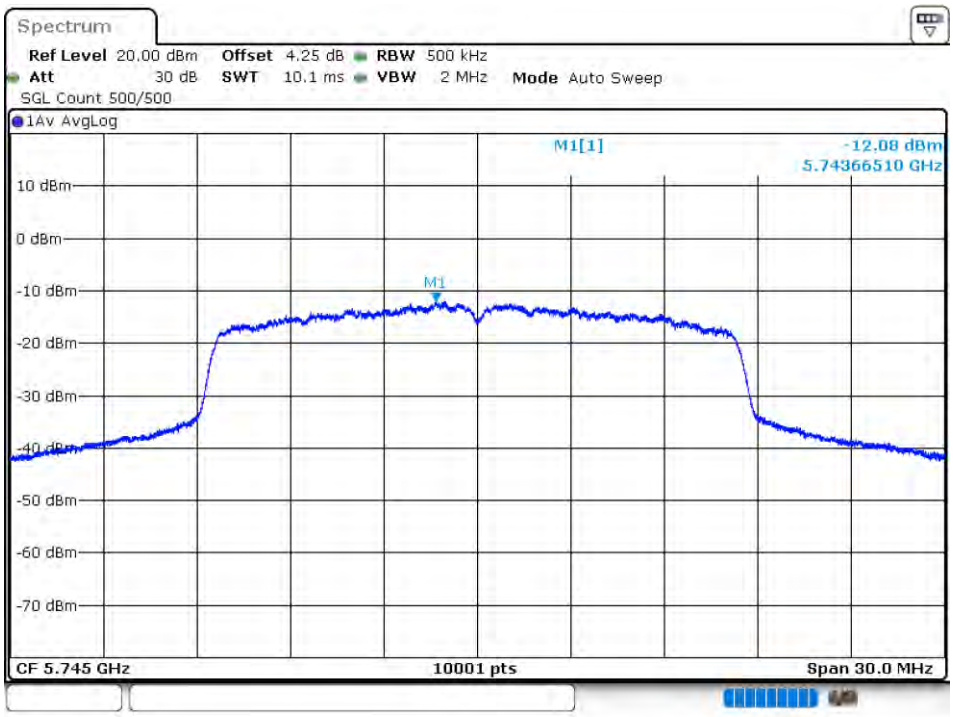


Maximum Power Spectral Density Level

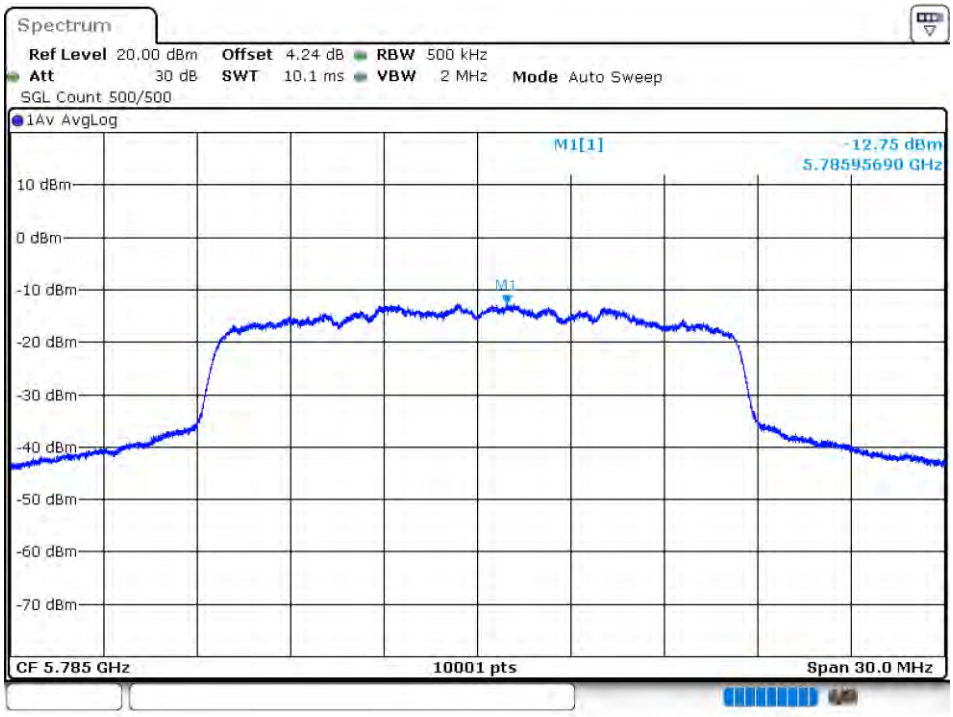
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-12.08	0.95	-11.13	30	Pass
NVNT	a	5785	Ant1	-12.75	0.93	-11.82	30	Pass
NVNT	a	5825	Ant1	-11.67	0.95	-10.72	30	Pass
NVNT	n20	5745	Ant1	-12.97	1.01	-11.96	30	Pass
NVNT	n20	5785	Ant1	-13.51	1	-12.51	30	Pass
NVNT	n20	5825	Ant1	-12.36	1	-11.36	30	Pass

Test Graphs

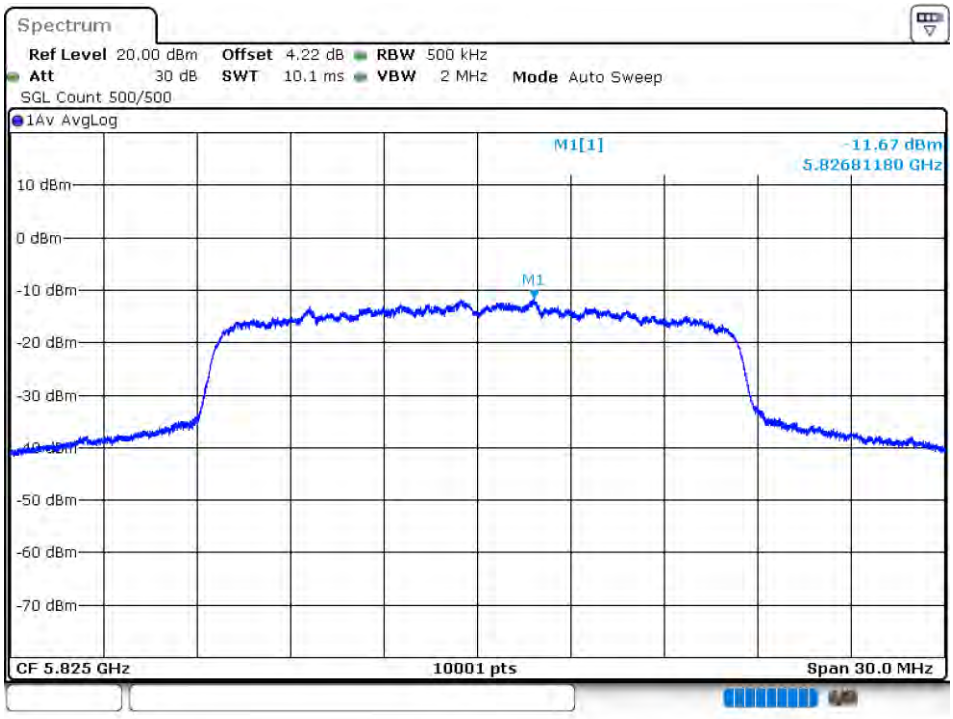
PSD NVNT a 5745MHz Ant1



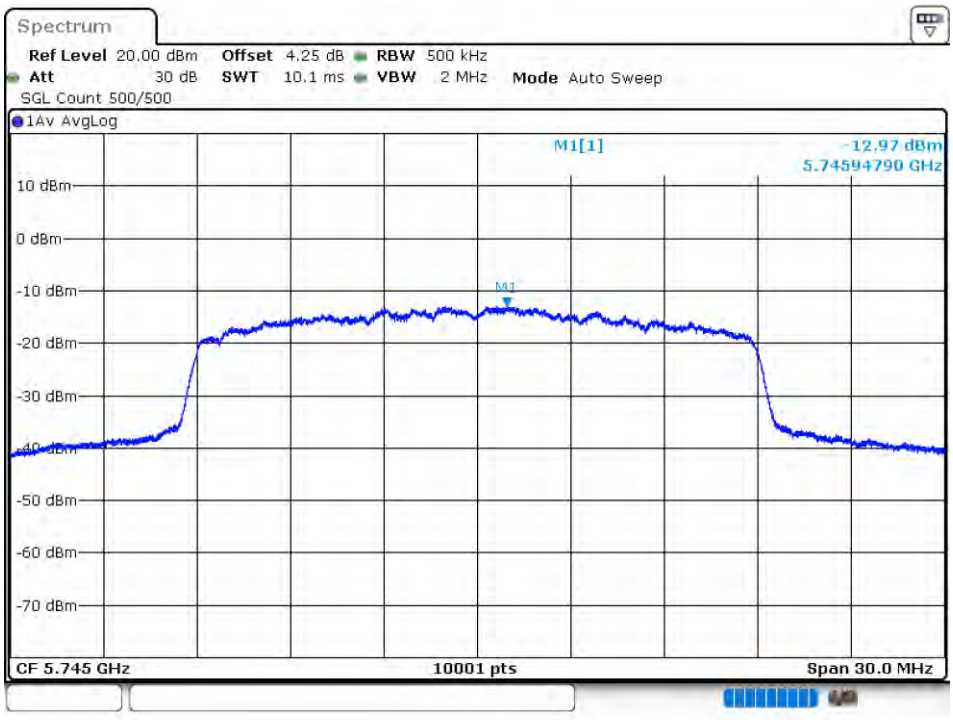
PSD NVNT a 5785MHz Ant1



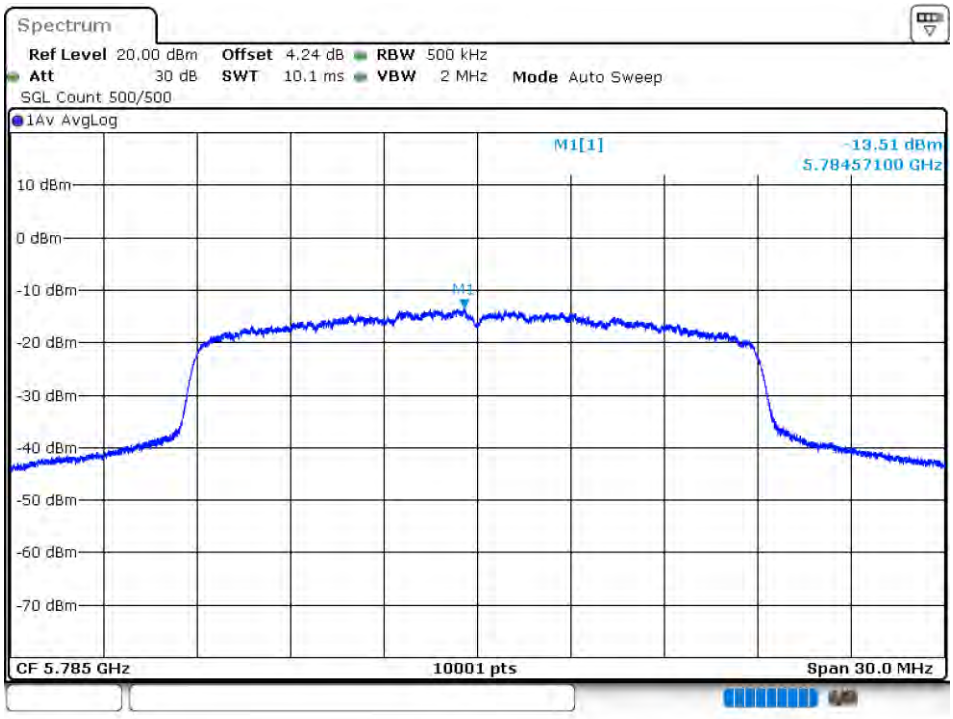
PSD NVNT a 5825MHz Ant1



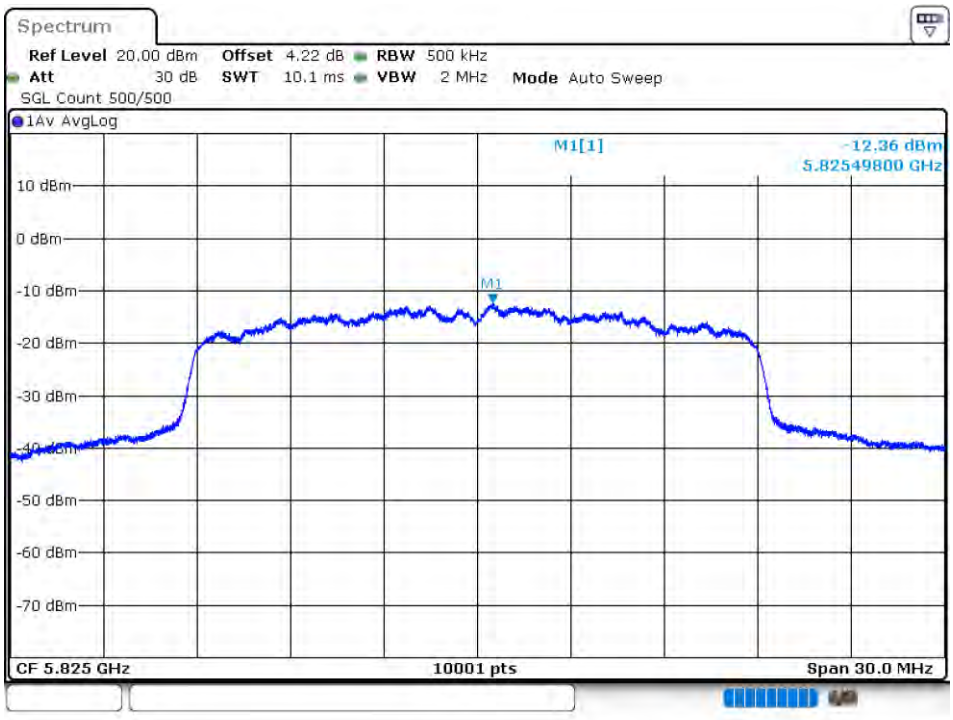
PSD NVNT n20 5745MHz Ant1



PSD NVNT n20 5785MHz Ant1



PSD NVNT n20 5825MHz Ant1



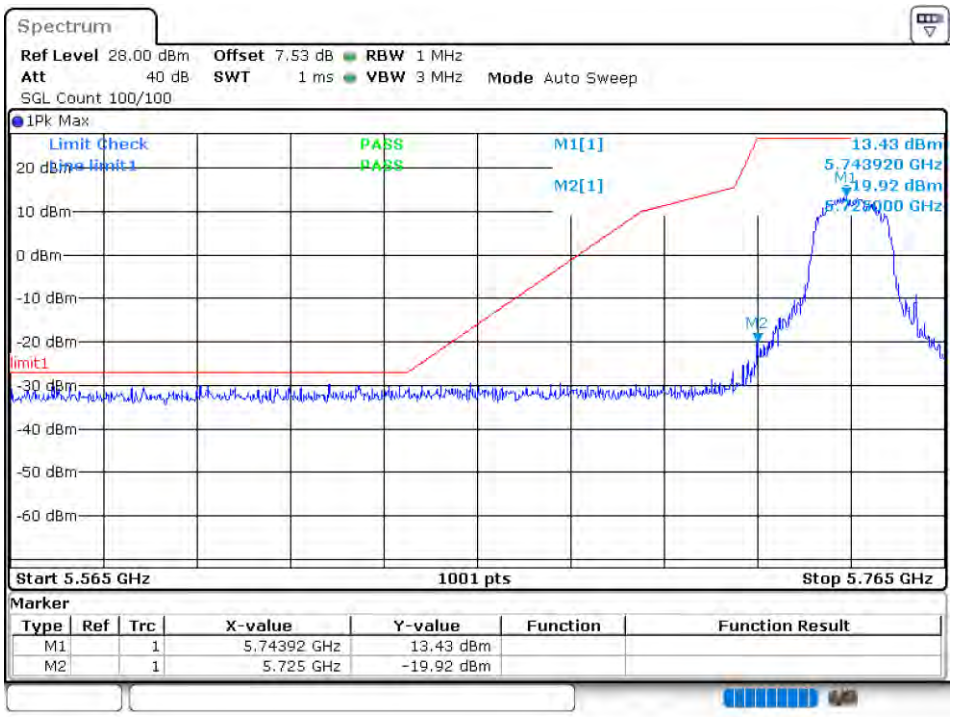
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-19.91	Pass
NVNT	a	5825	Ant1	-27.28	Pass
NVNT	n20	5745	Ant1	-21.78	Pass
NVNT	n20	5825	Ant1	-25.95	Pass

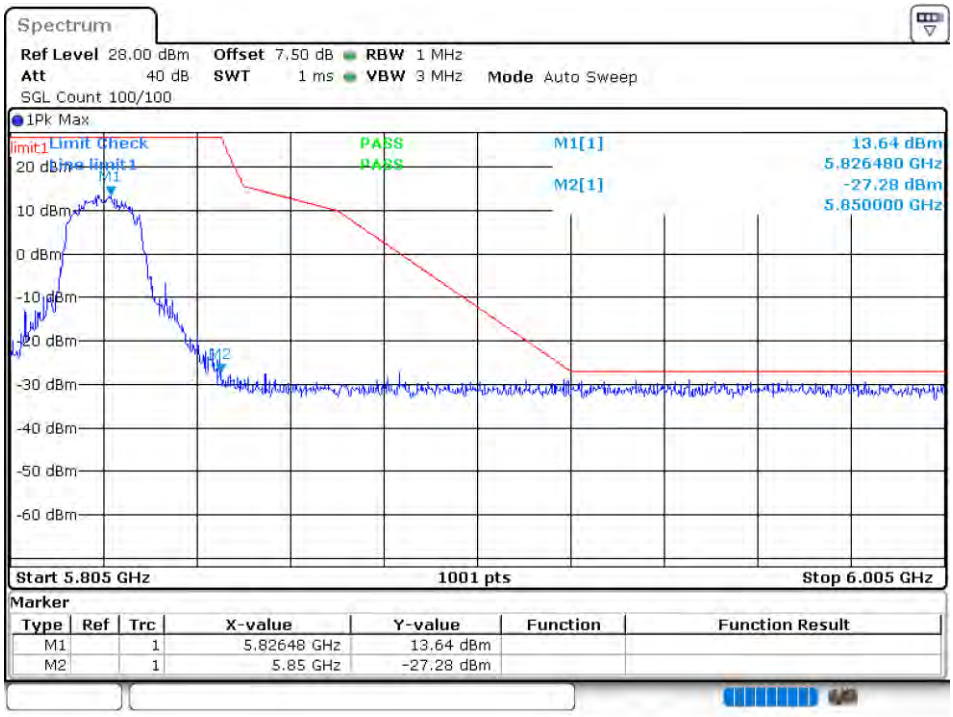
Note: Tested with increased antenna gain.

Test Graphs

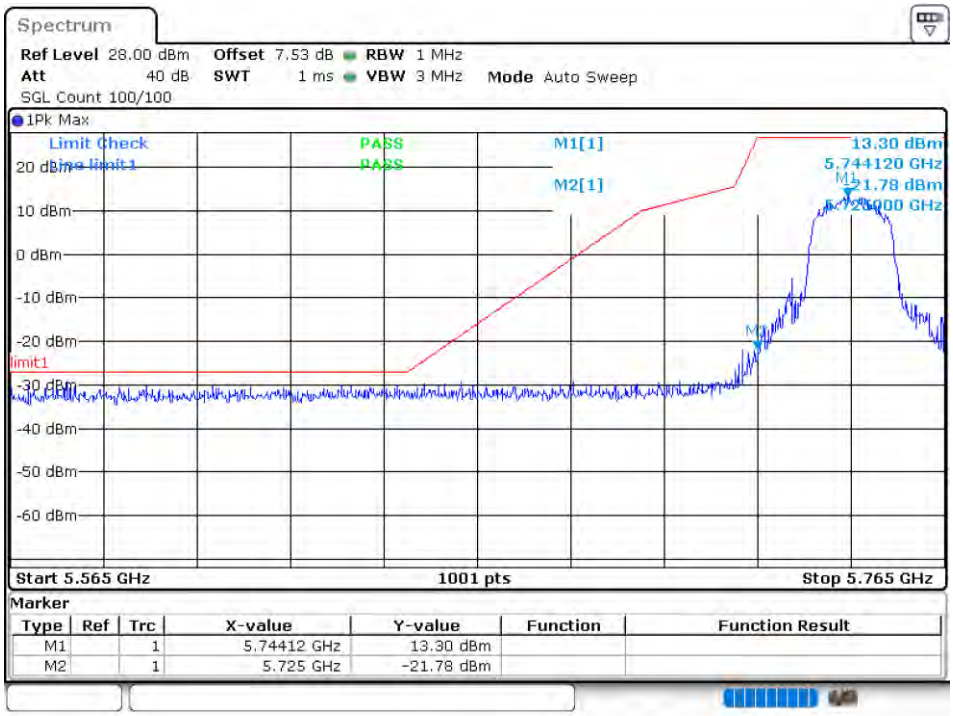
Band Edge NVNT a 5745MHz Low Ant1



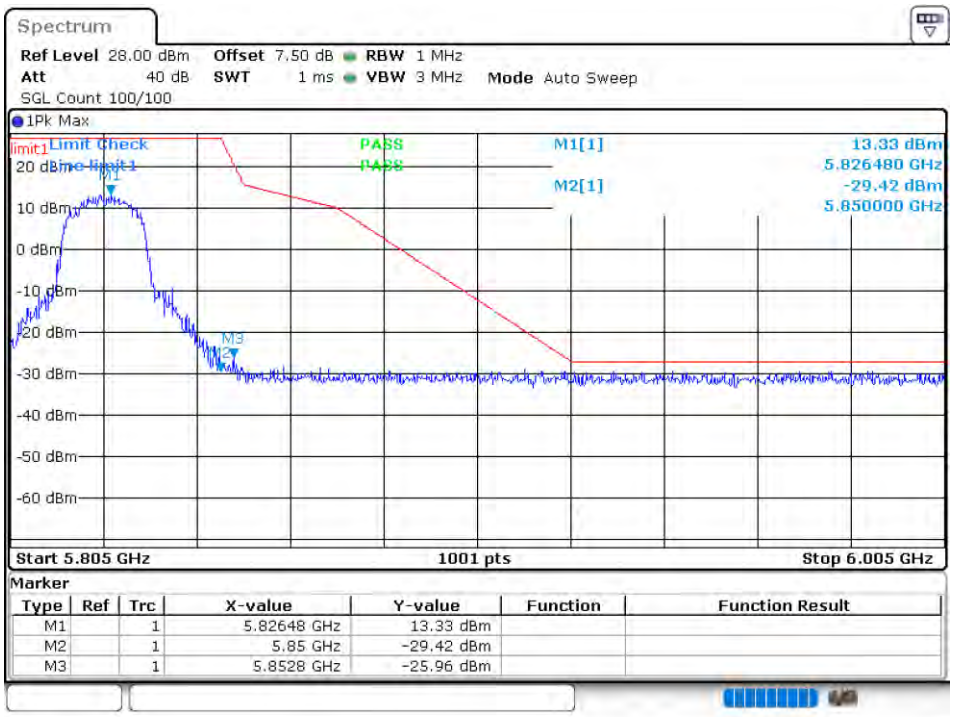
Band Edge NVNT a 5825MHz High Ant1



Band Edge NVNT n20 5745MHz Low Ant1



Band Edge NVNT n20 5825MHz High Ant1



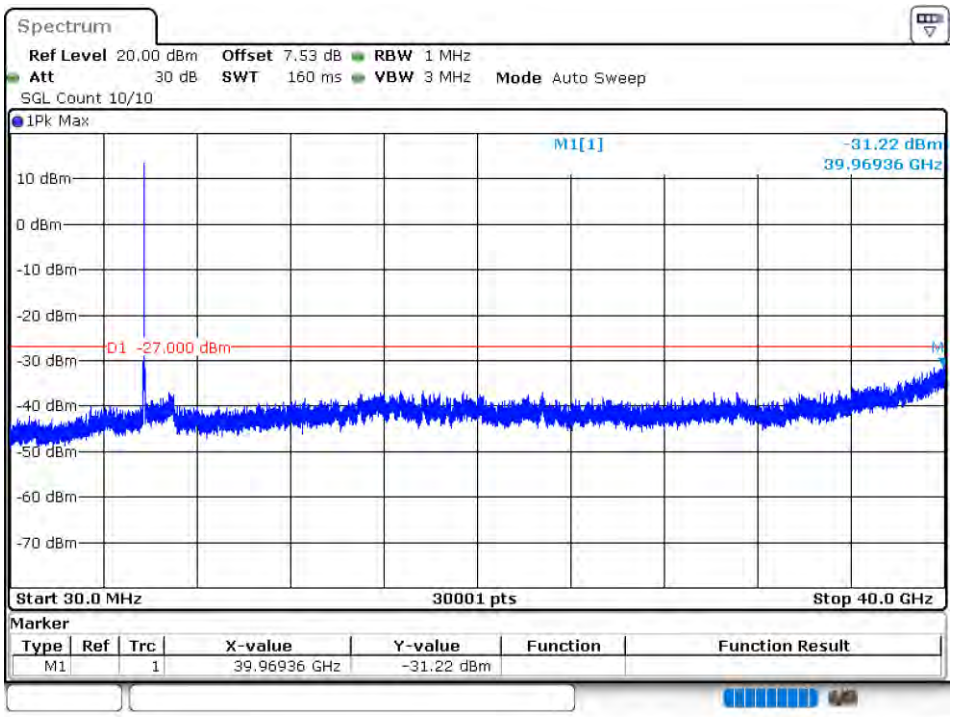
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-31.21	-27	Pass
NVNT	a	5785	Ant1	-31.14	-27	Pass
NVNT	a	5825	Ant1	-31.13	-27	Pass
NVNT	n20	5745	Ant1	-29.92	-27	Pass
NVNT	n20	5785	Ant1	-31.46	-27	Pass
NVNT	n20	5825	Ant1	-31.04	-27	Pass

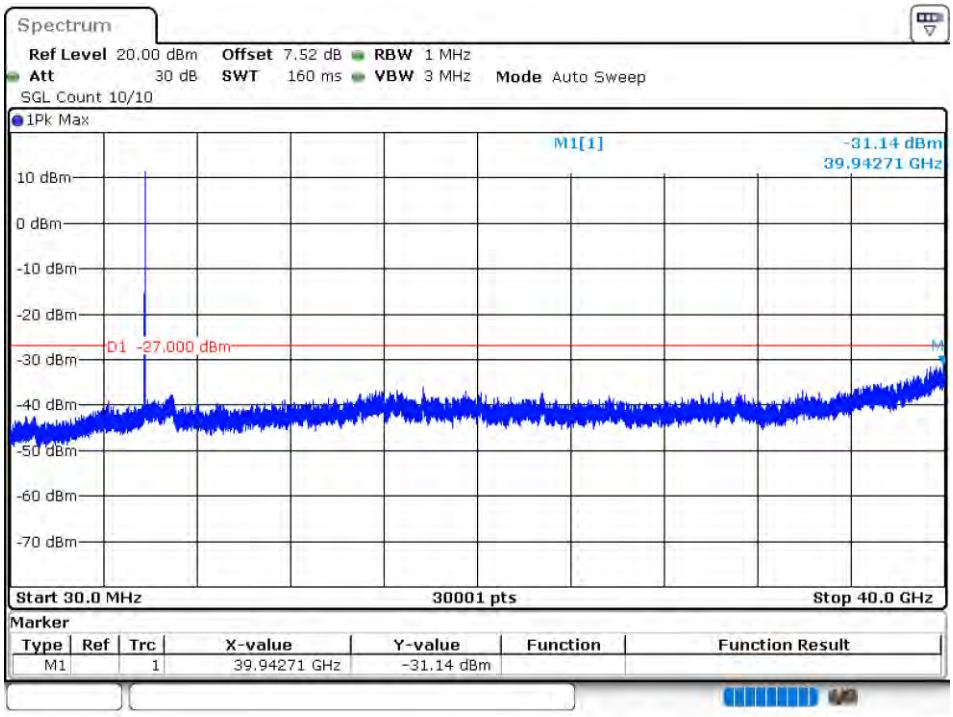
Note: Tested with increased antenna gain.

Test Graphs

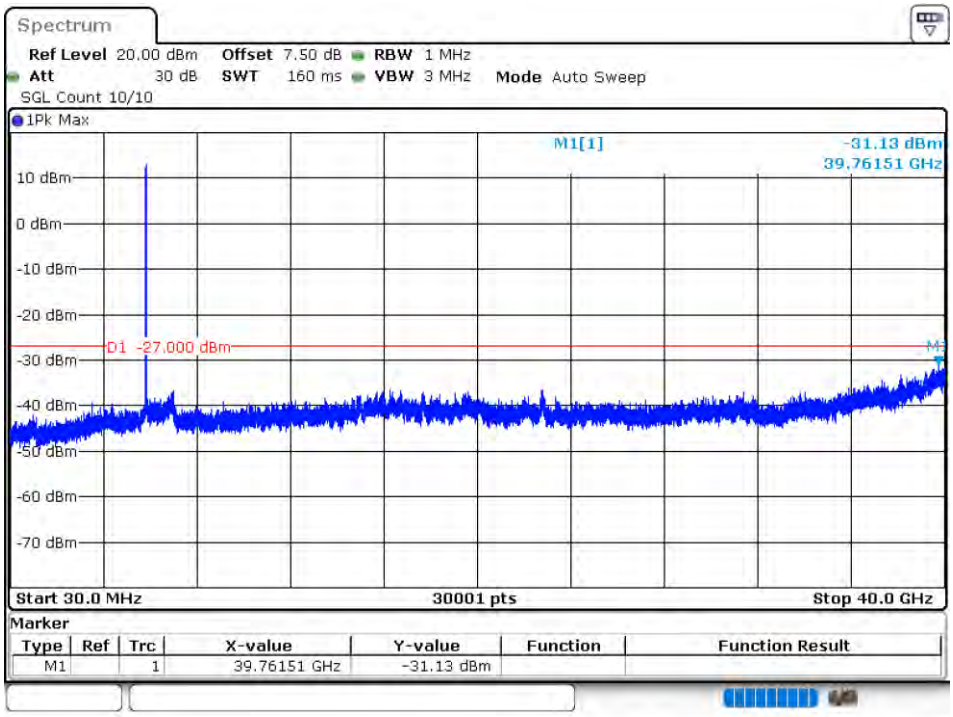
Tx. Spurious NVNT a 5745MHz Ant1 Emission



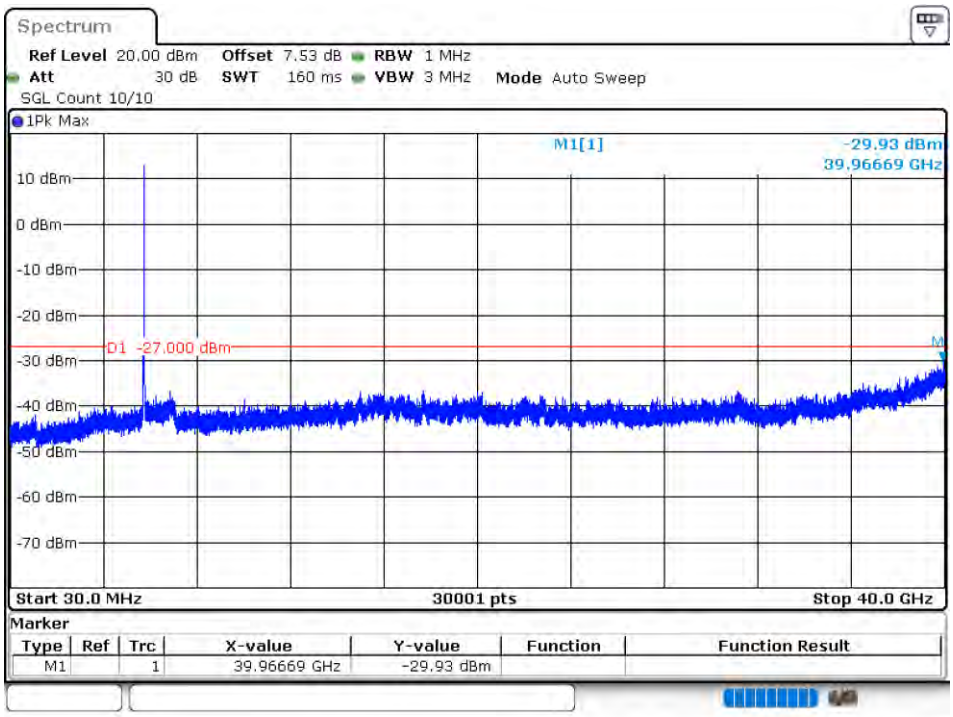
Tx. Spurious NVNT a 5785MHz Ant1 Emission



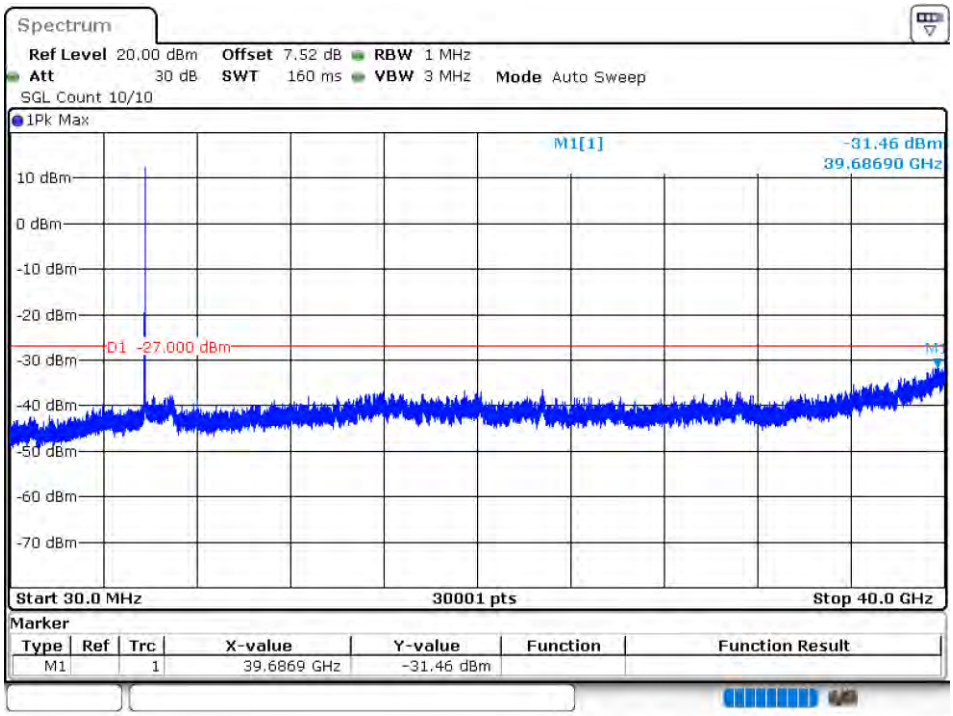
Tx. Spurious NVNT a 5825MHz Ant1 Emission



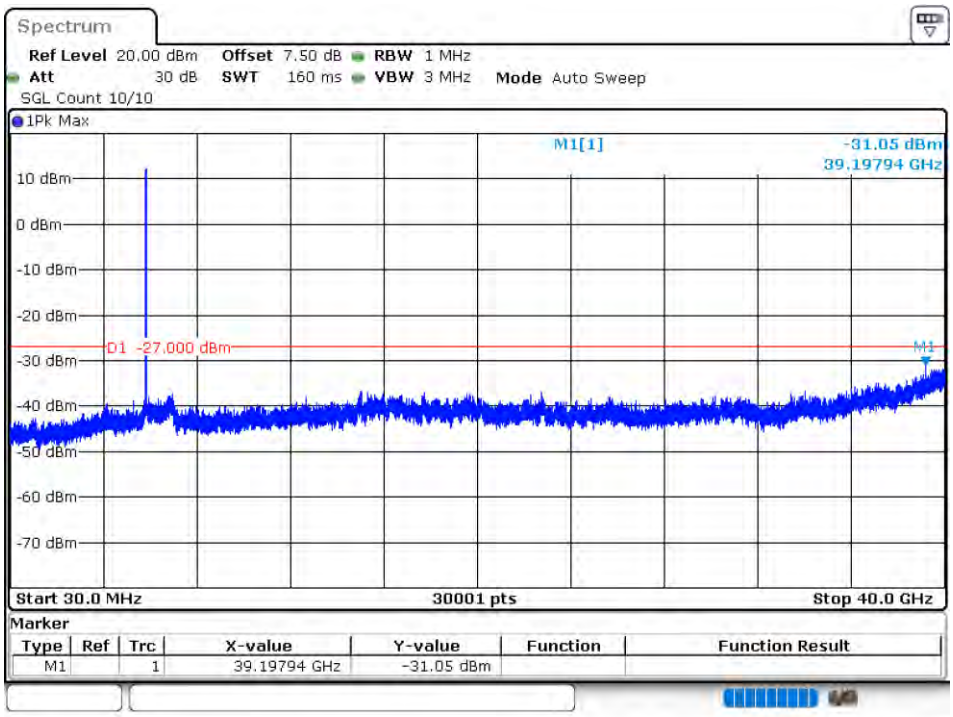
Tx. Spurious NVNT n20 5745MHz Ant1 Emission



Tx. Spurious NVNT n20 5785MHz Ant1 Emission



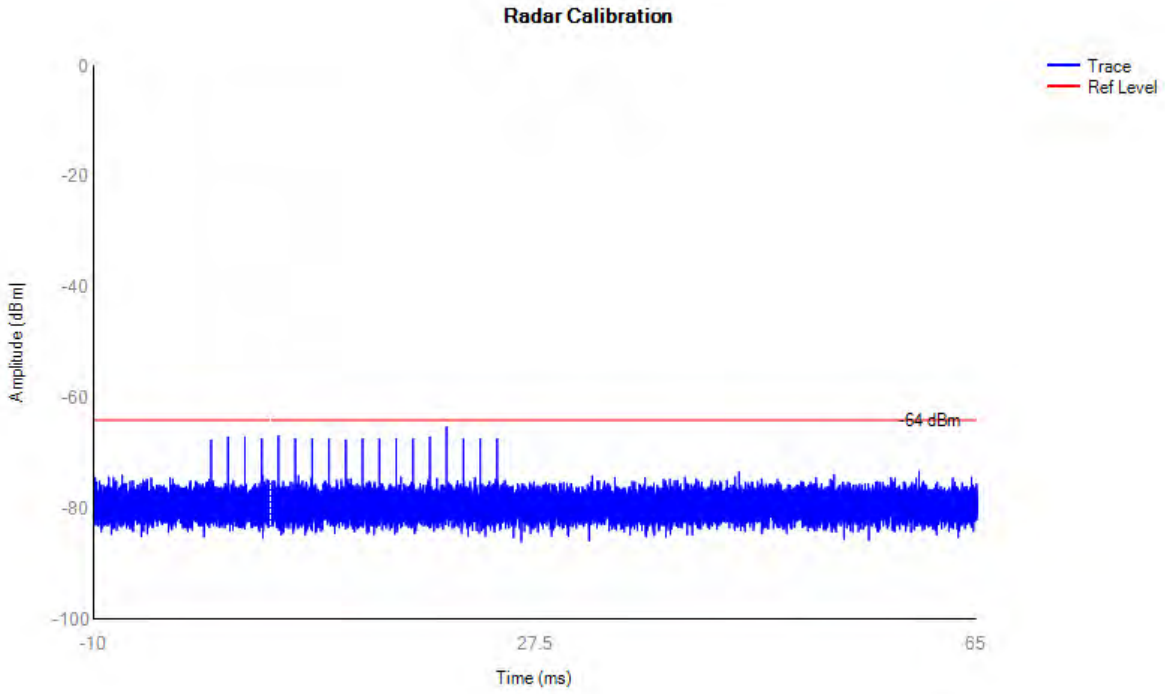
Tx. Spurious NVNT n20 5825MHz Ant1 Emission



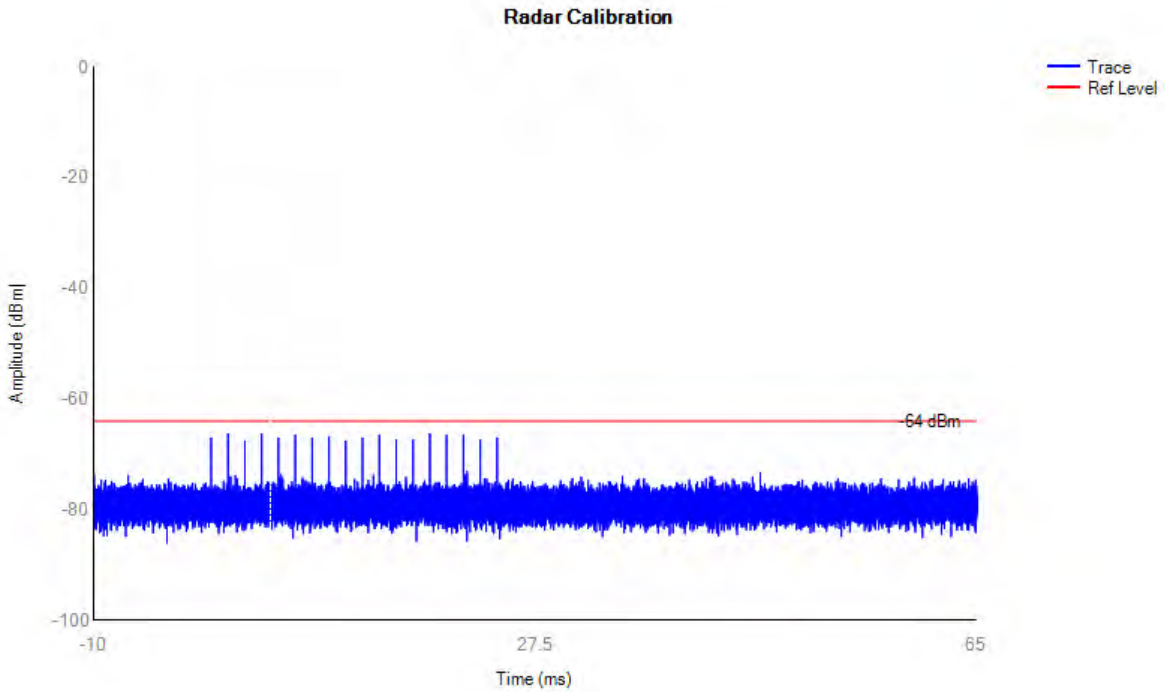
DFS

Calibration

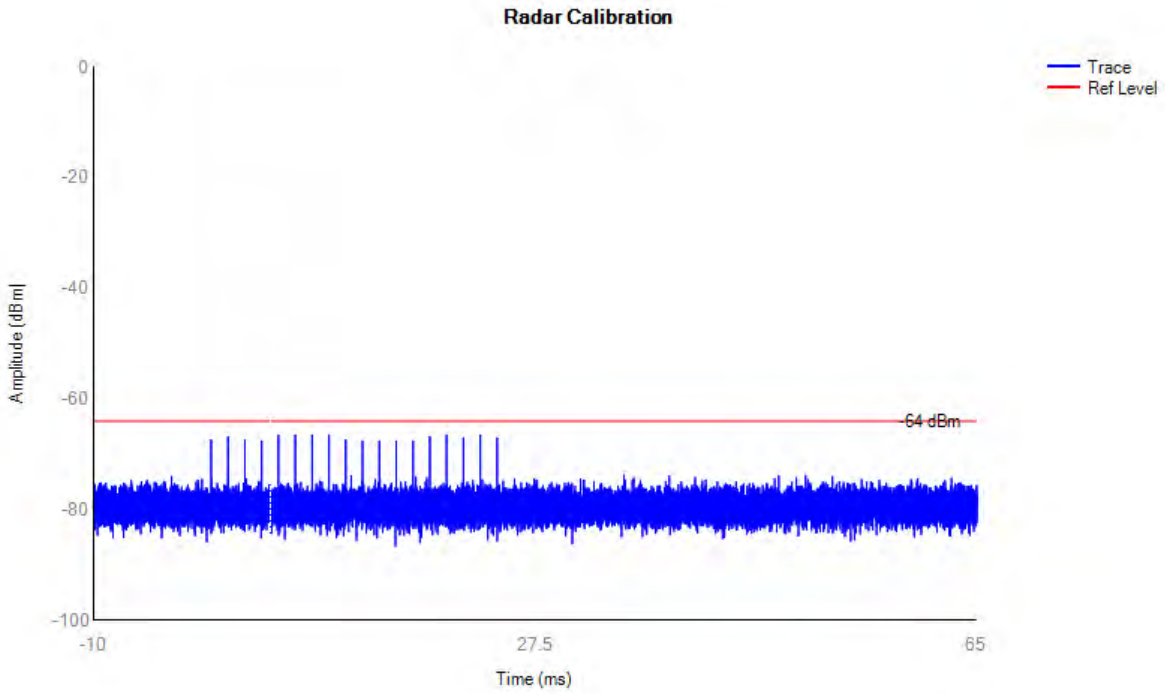
5260MHz a DFS_FCC_T0



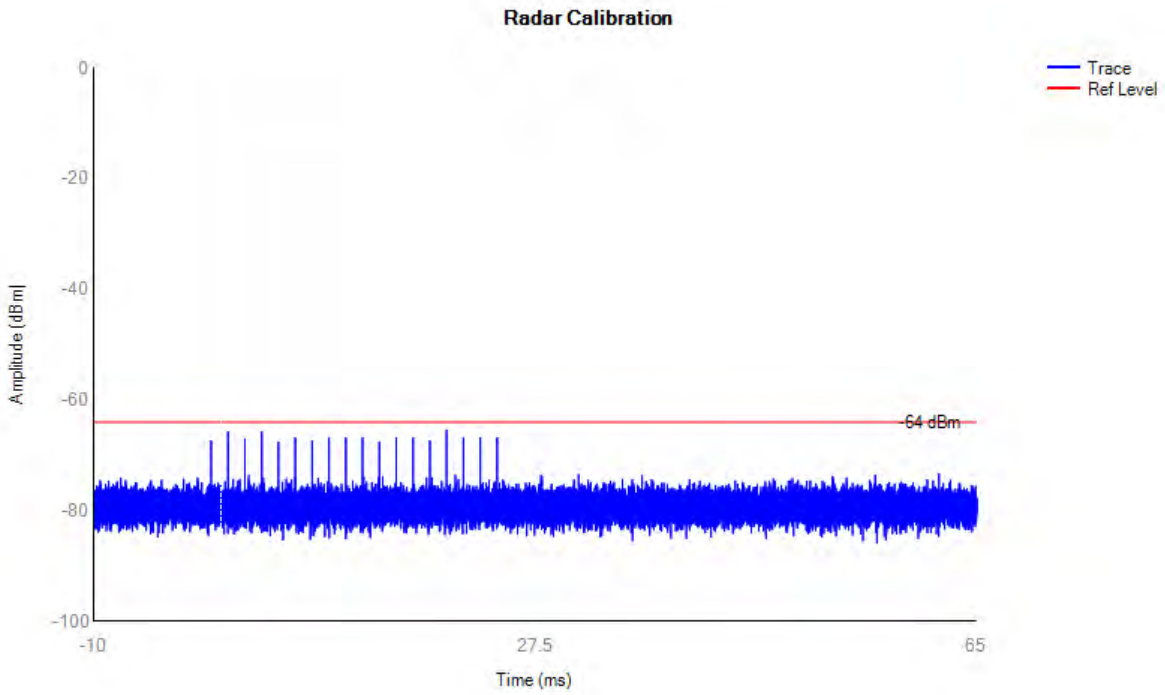
5500MHz a DFS_FCC_T0



5310MHz n40 DFS_FCC_T0

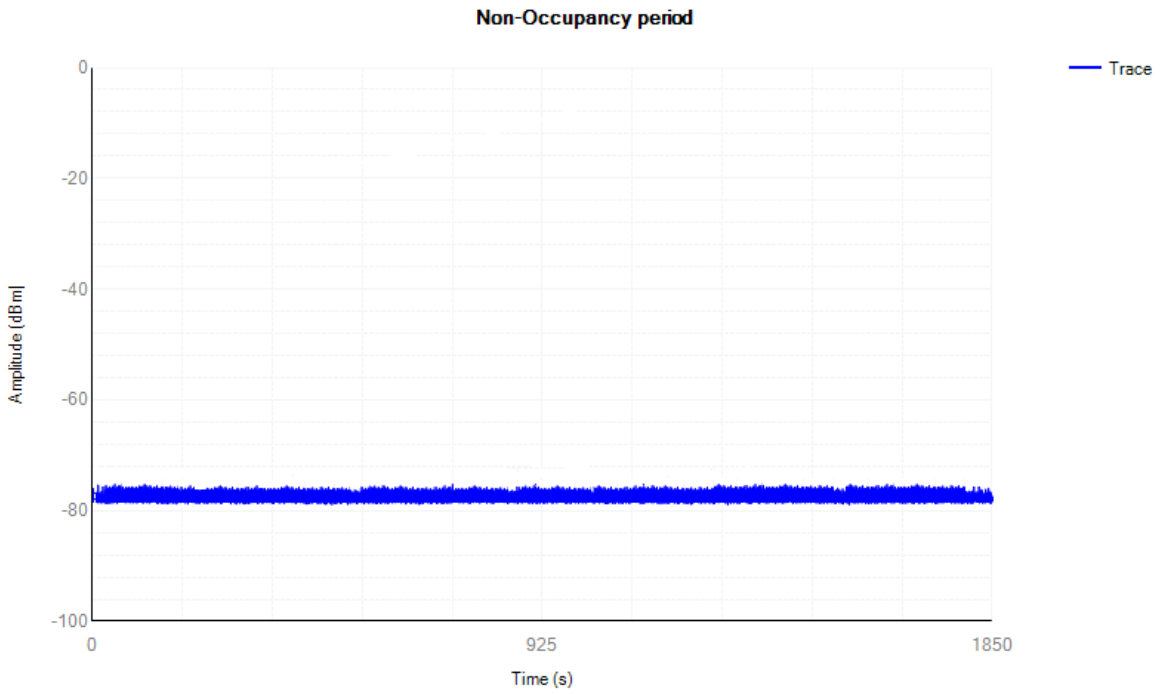


5510MHz n40 DFS_FCC_T0

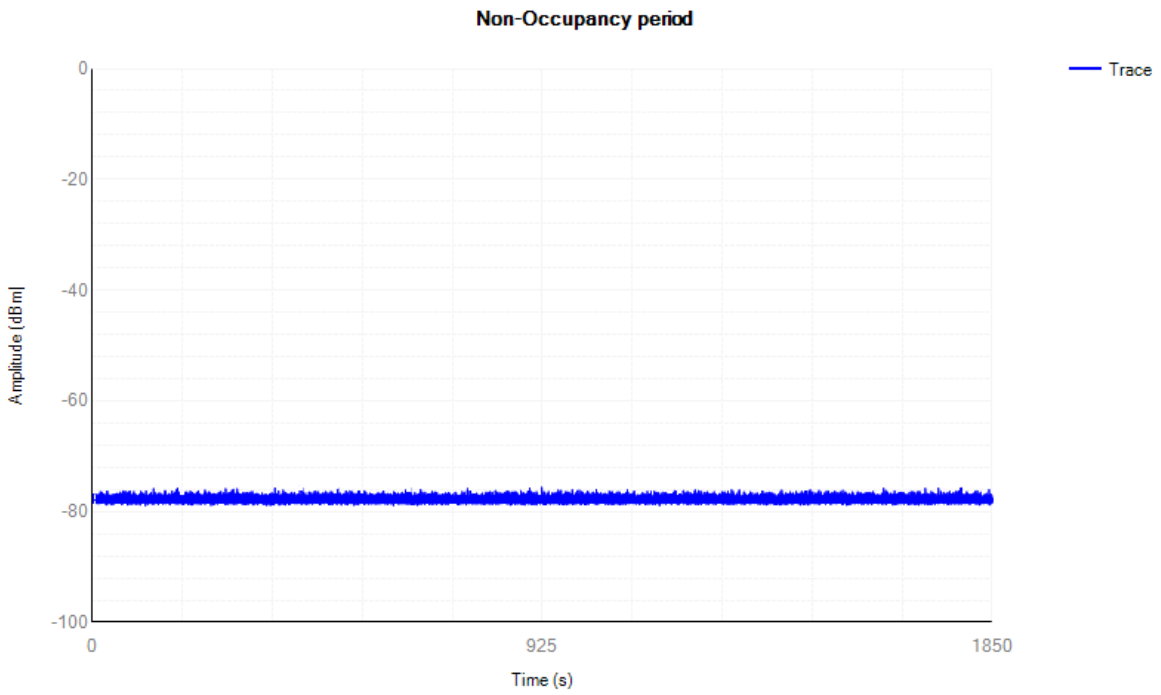


Non-Occupancy

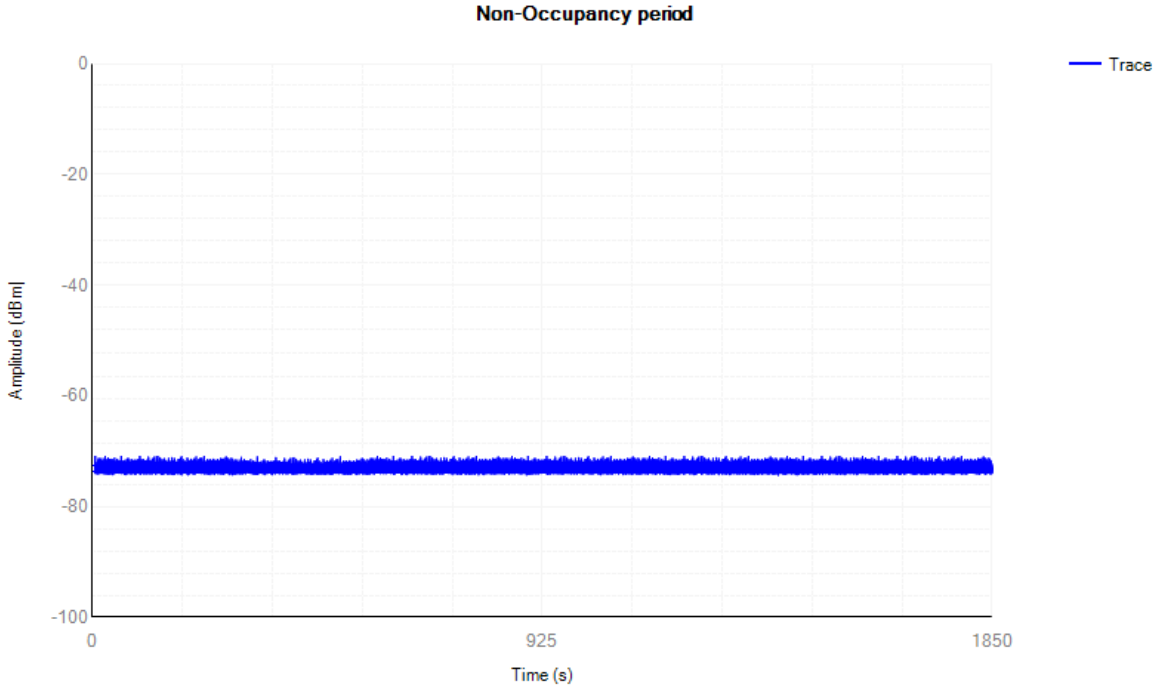
5310MHz n40 Non-Occupancy



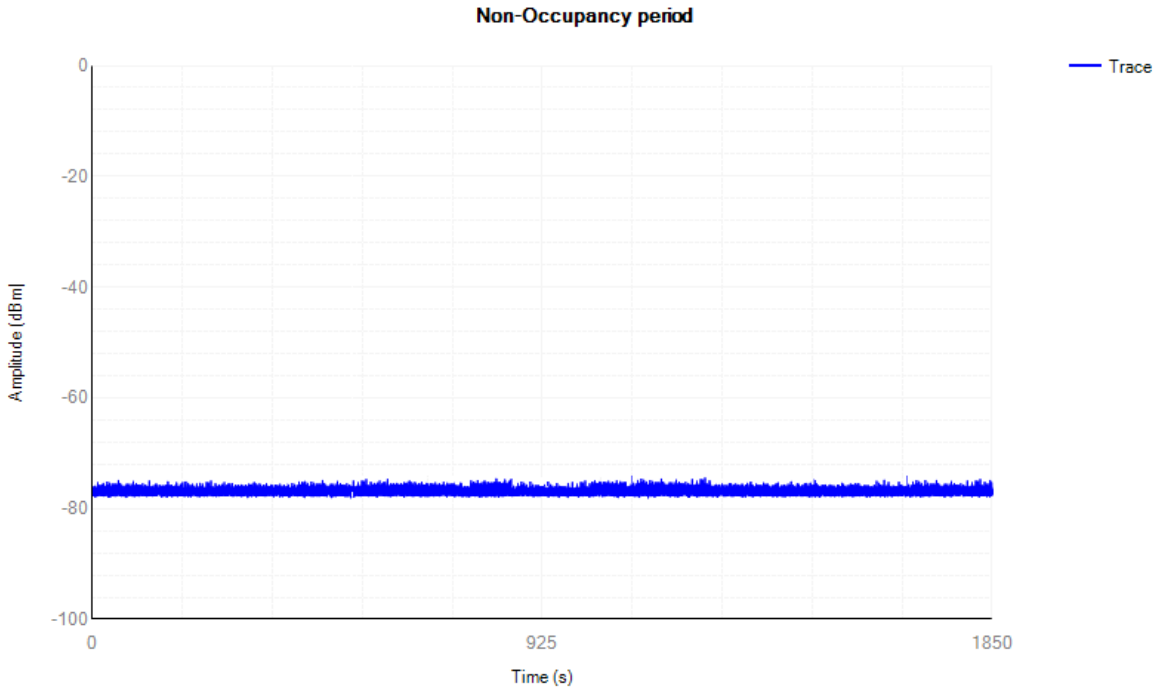
5510MHz n40 Non-Occupancy



5320MHz a Non-Occupancy



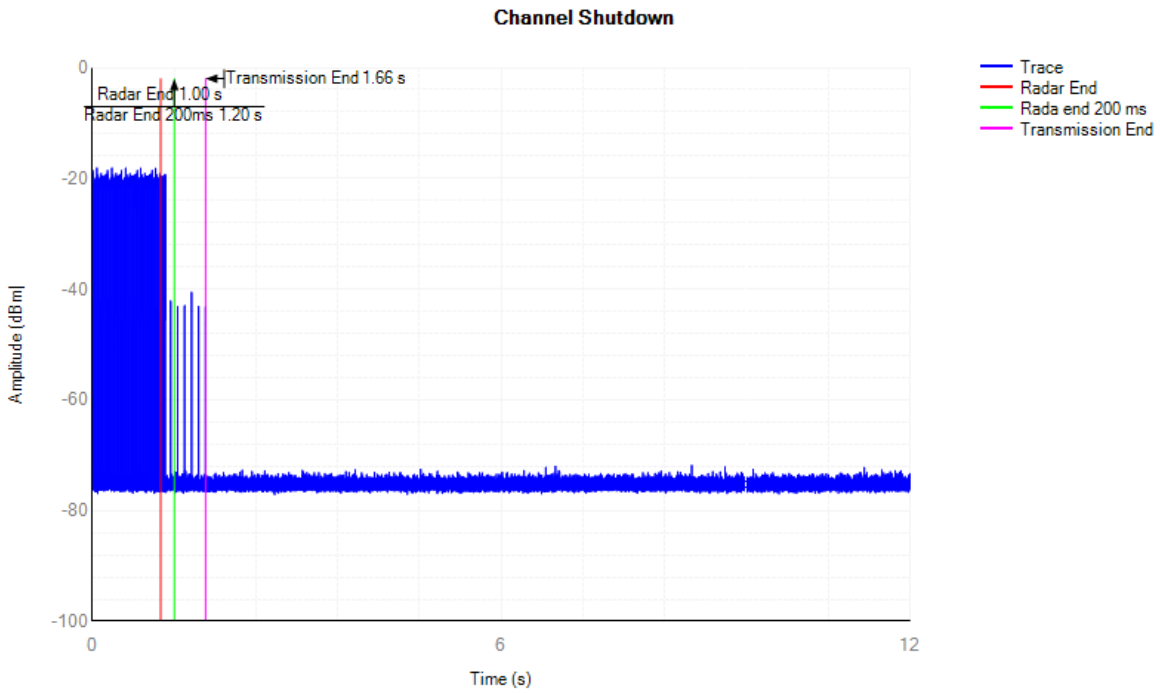
5500MHz a Non-Occupancy



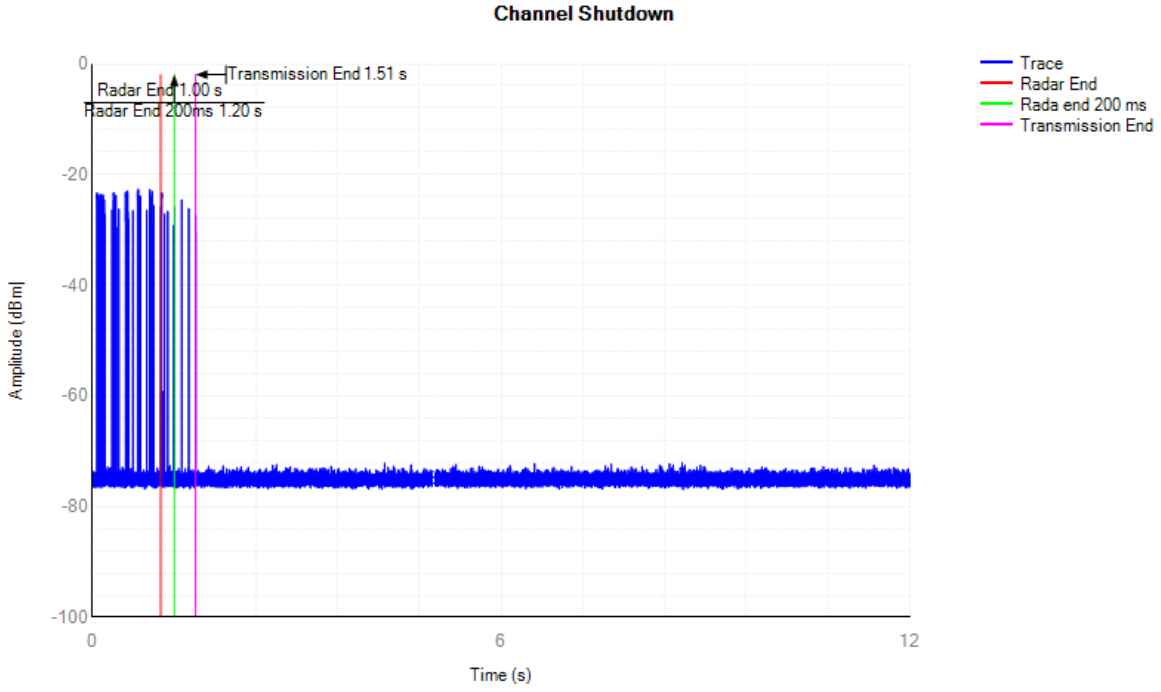
Shutdown Time

Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission on Time (s)	Limit Close Transmission on Time (s)	Close Transmission on Time after 200ms(s)	Limit Close Transmission on Time after 200ms (s)	Verdict
a	5260	0.6588	10	0.0232	0.26	0.0036	0.06	Pass
a	5500	0.514	10	0.0092	0.26	0.0024	0.06	Pass
n40	5270	0.404	10	0.002	0.26	0.0012	0.06	Pass
n40	5510	0.4512	10	0.0072	0.26	0.0024	0.06	Pass

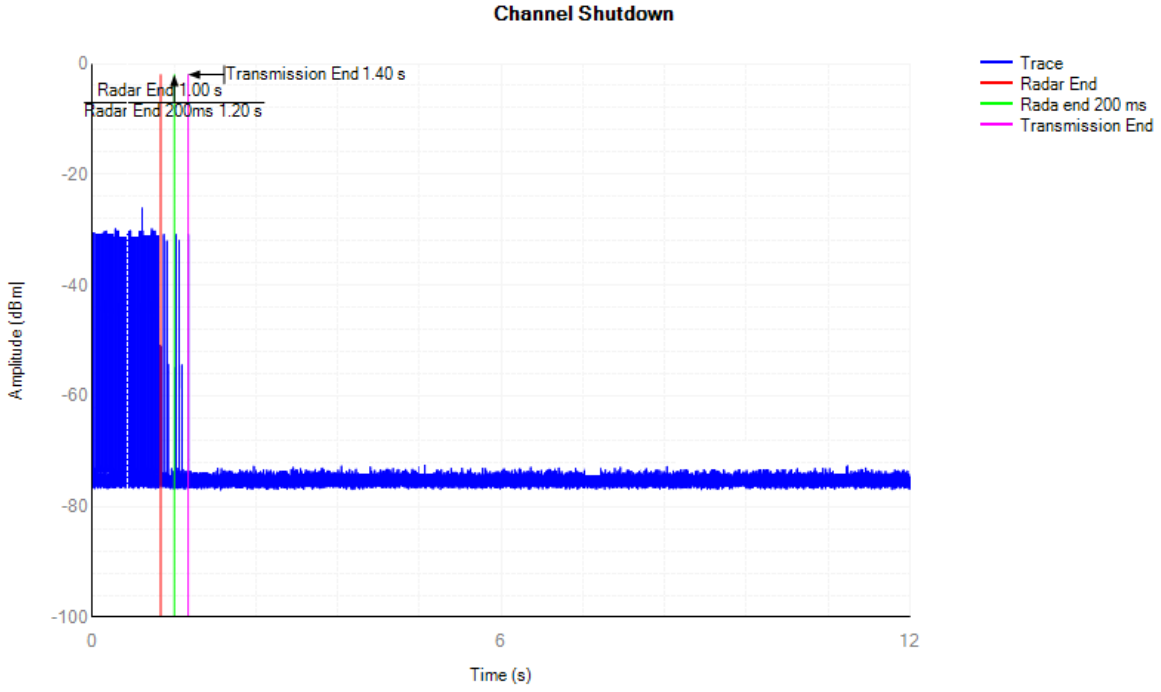
5260MHz a Shutdown



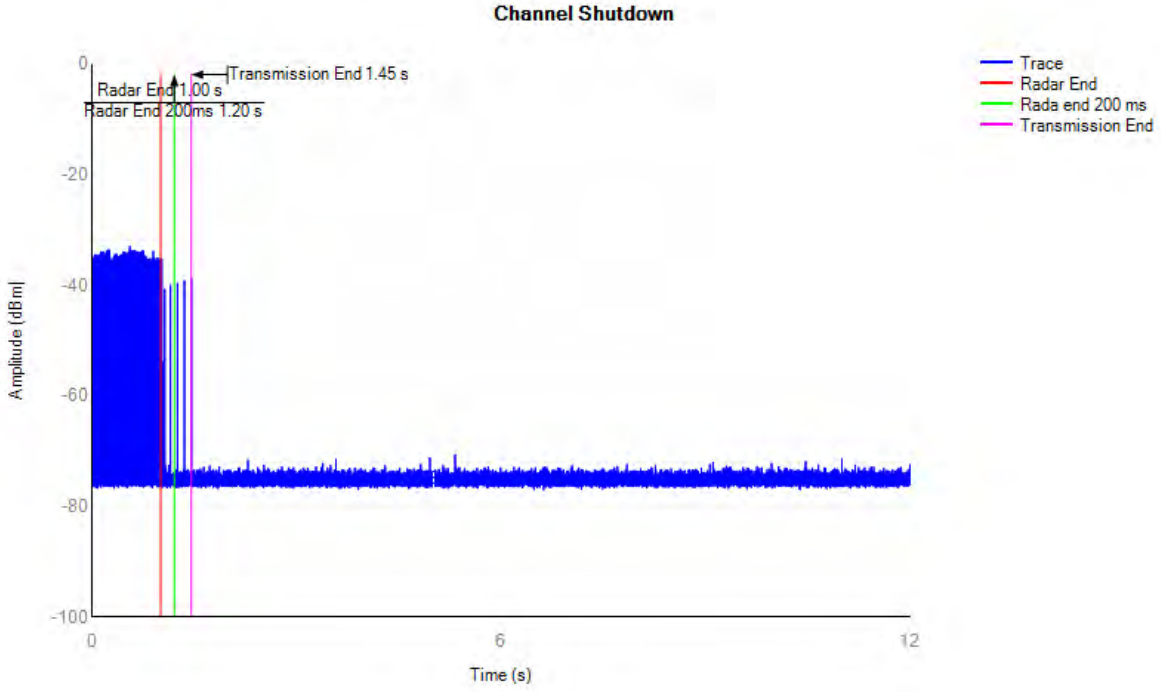
5500MHz a Shutdown



5270MHz n40 Shutdown



5510MHz n40 Shutdown


Channel Shutdown
Transmission End 1.45 s
Radar End 1.00 s
Radar End 200ms 1.20 s
Trace
Radar End
Rada end 200 ms
Transmission End
Amplitude [dBm]
0
-20
-40
-60
-80
-100
0
6
12
Time (s)