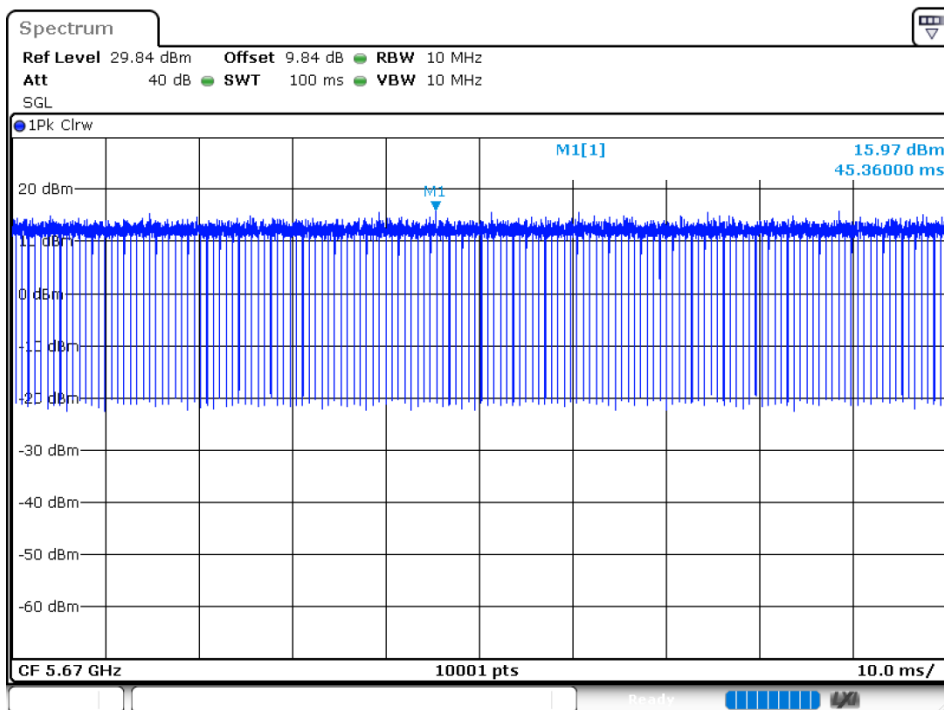


Duty Cycle NVNT 802.11n(HT40) 5670MHz



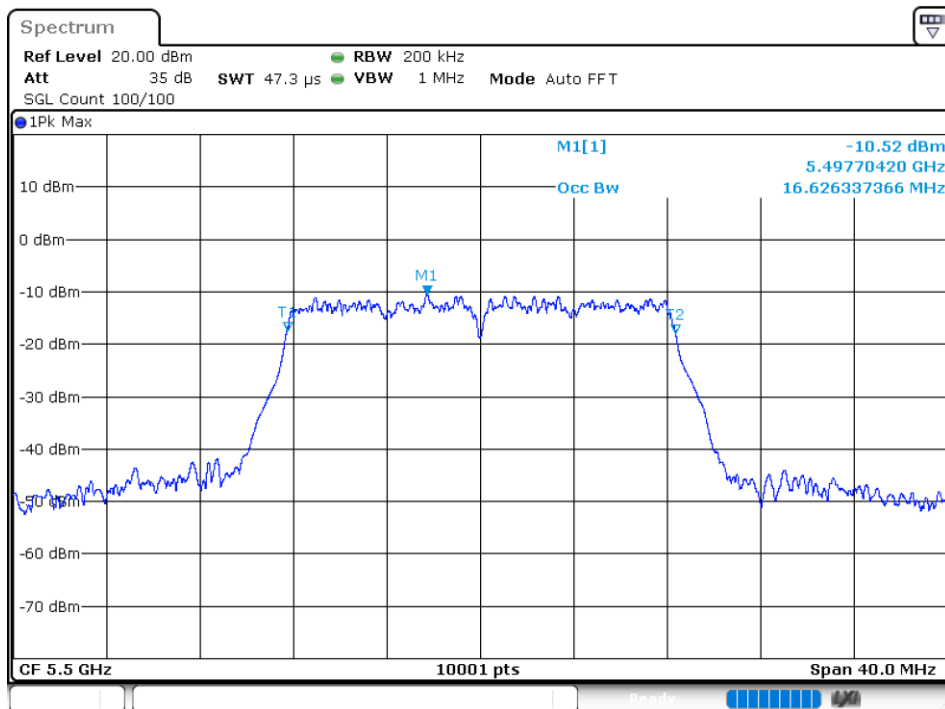
**Maximum Conducted Output Power**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5500	Ant 1	9.21	0.08	9.29	24	Pass
NVNT	802.11a	5600	Ant 1	9.36	0.08	9.44	24	Pass
NVNT	802.11a	5700	Ant 1	9.58	0.08	9.66	24	Pass
NVNT	802.11n(HT20)	5500	Ant 1	9.32	0.08	9.4	24	Pass
NVNT	802.11n(HT20)	5600	Ant 1	9.84	0.08	9.92	24	Pass
NVNT	802.11n(HT20)	5700	Ant 1	9.14	0.08	9.22	24	Pass
NVNT	802.11n(HT40)	5510	Ant 1	9.73	0.16	9.89	24	Pass
NVNT	802.11n(HT40)	5590	Ant 1	9.73	0.16	9.89	24	Pass
NVNT	802.11n(HT40)	5670	Ant 1	8.95	0.16	9.11	24	Pass

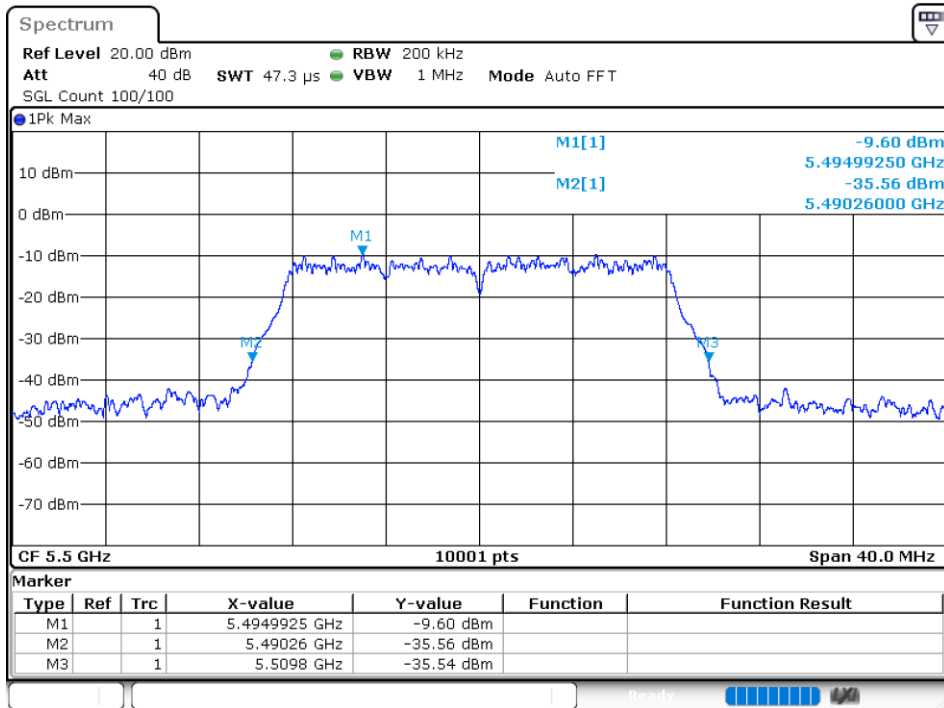
**Occupied Channel Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5500	Ant 1	16.6263	19.54	Pass
NVNT	802.11a	5600	Ant 1	16.5863	19.616	Pass
NVNT	802.11a	5700	Ant 1	16.5943	19.8	Pass
NVNT	802.11n(HT20)	5500	Ant 1	17.7062	19.856	Pass
NVNT	802.11n(HT20)	5600	Ant 1	17.6142	19.752	Pass
NVNT	802.11n(HT20)	5700	Ant 1	17.6702	19.872	Pass
NVNT	802.11n(HT40)	5510	Ant 1	36.3964	40.56	Pass
NVNT	802.11n(HT40)	5590	Ant 1	36.2284	52.256	Pass
NVNT	802.11n(HT40)	5670	Ant 1	36.0364	40.68	Pass

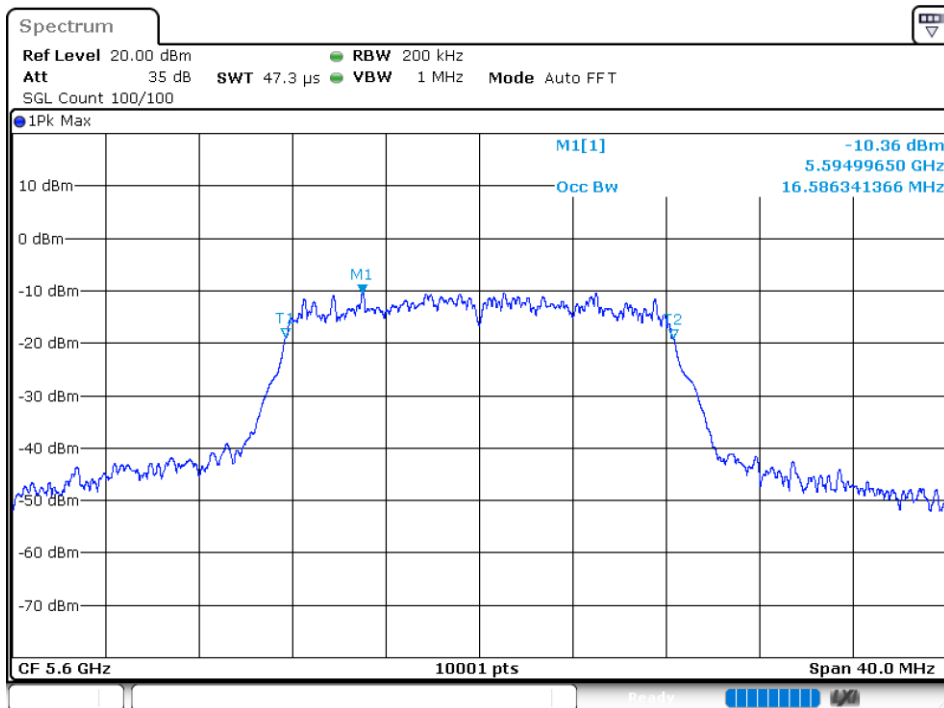
OBW NVNT 802.11a 5500MHz Ant1



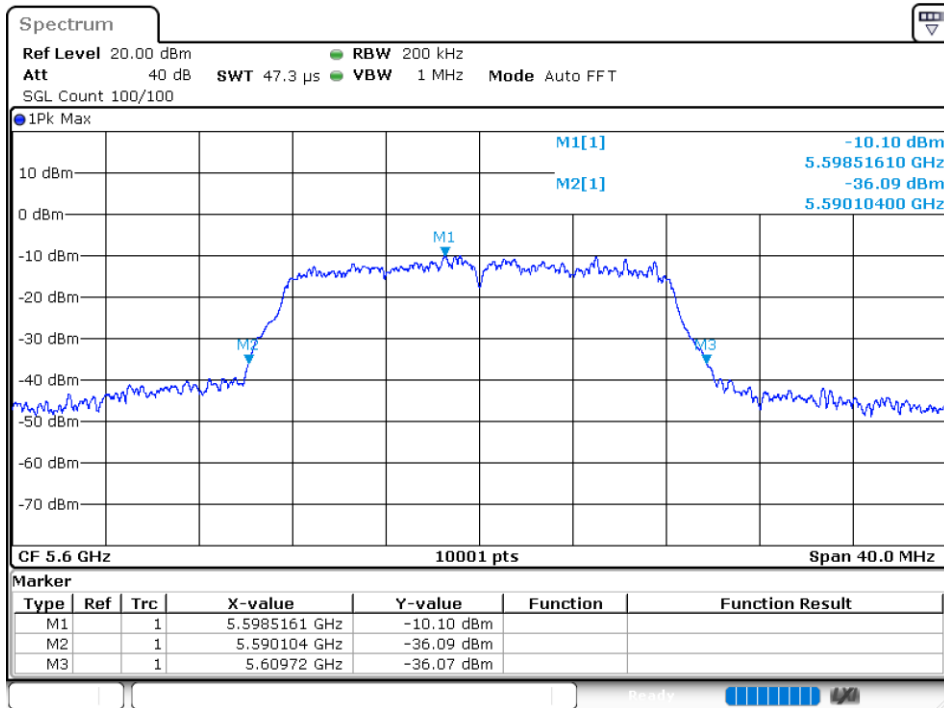
-26 dB BW NVNT 802.11a 5500MHz Ant1



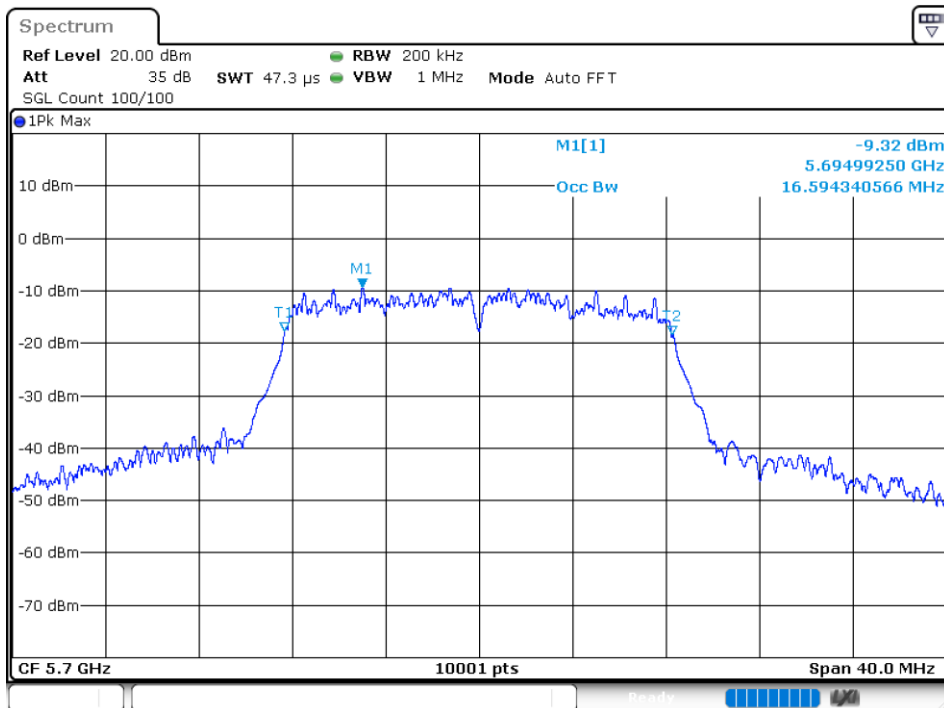
OBW NVNT 802.11a 5600MHz Ant1



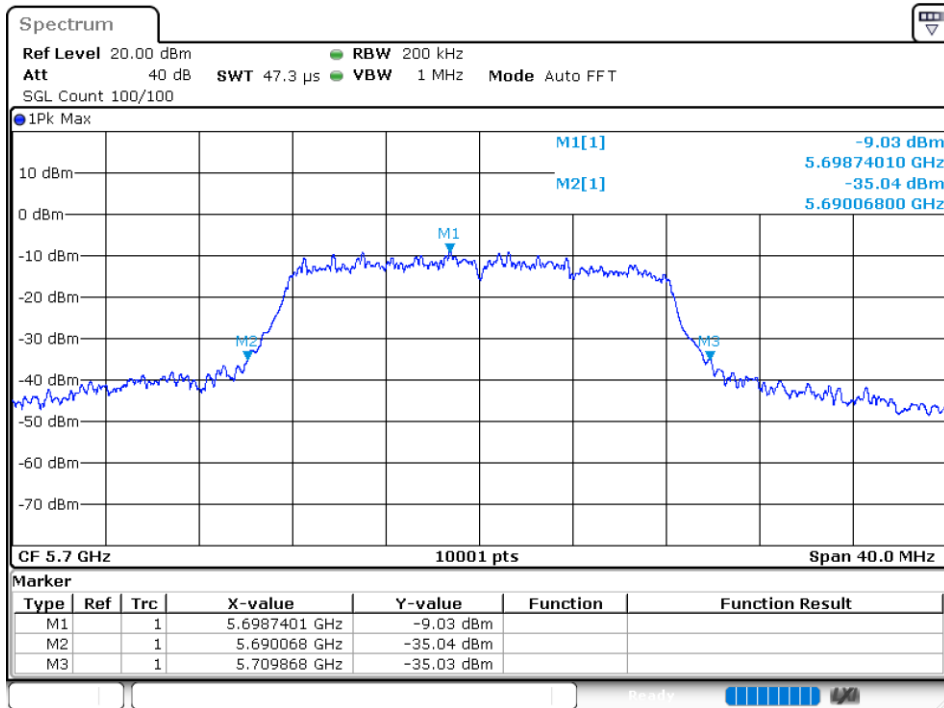
-26 dB BW NVNT 802.11a 5600MHz Ant1



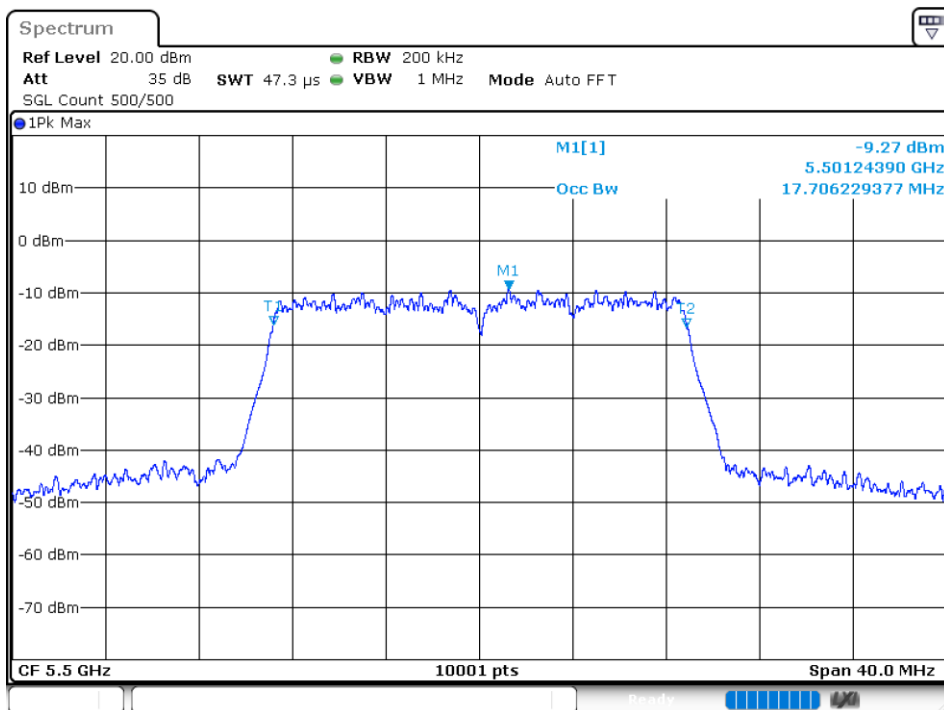
OBW NVNT 802.11a 5700MHz Ant1



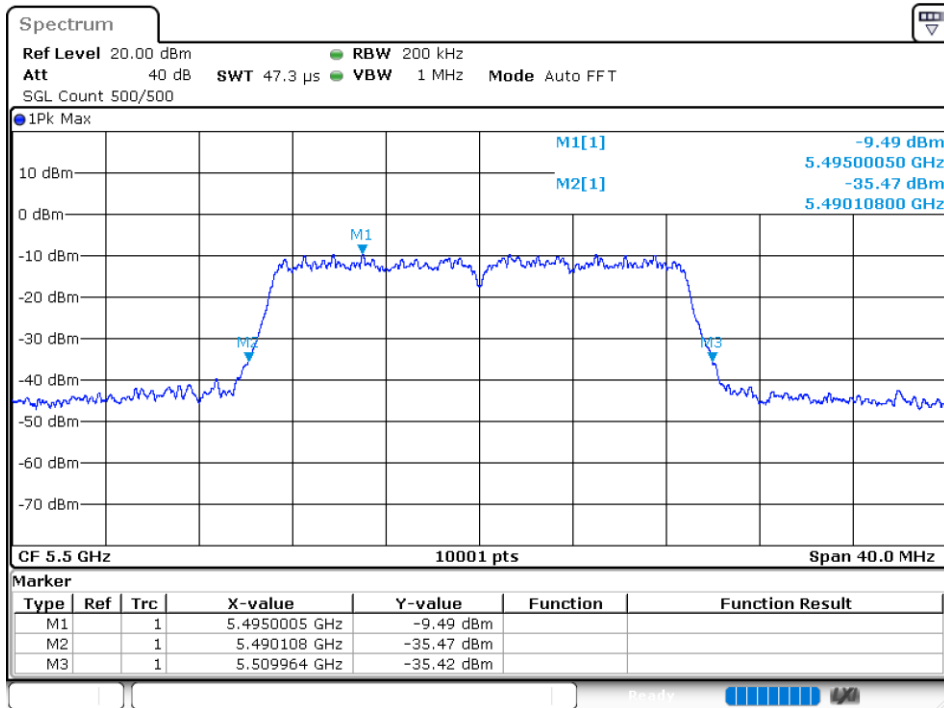
-26 dB BW NVNT 802.11a 5700MHz Ant1



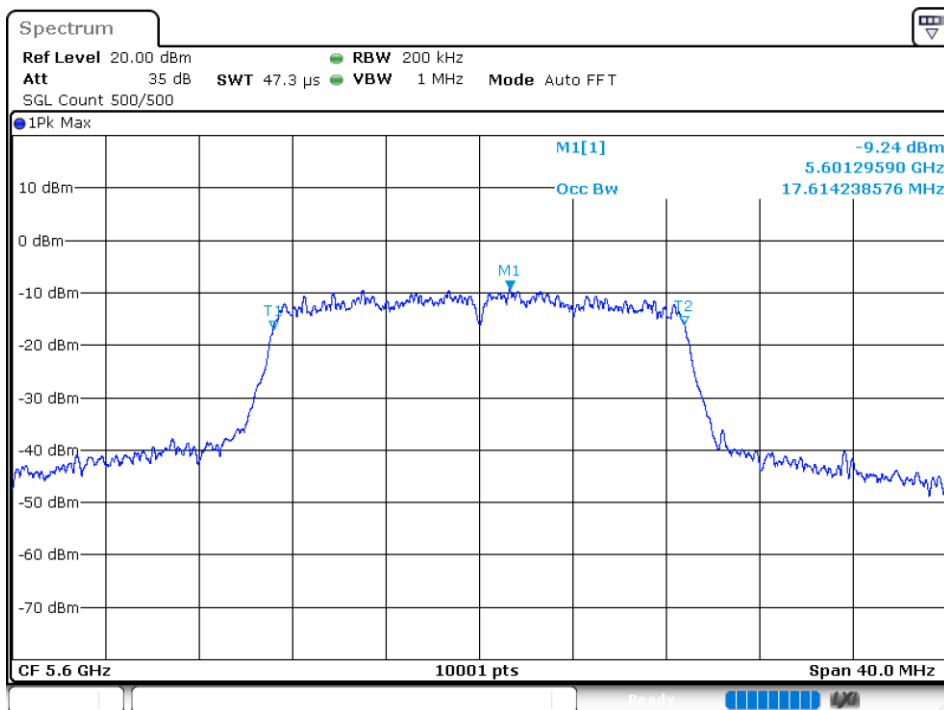
OBW NVNT 802.11n(HT20) 5500MHz Ant1



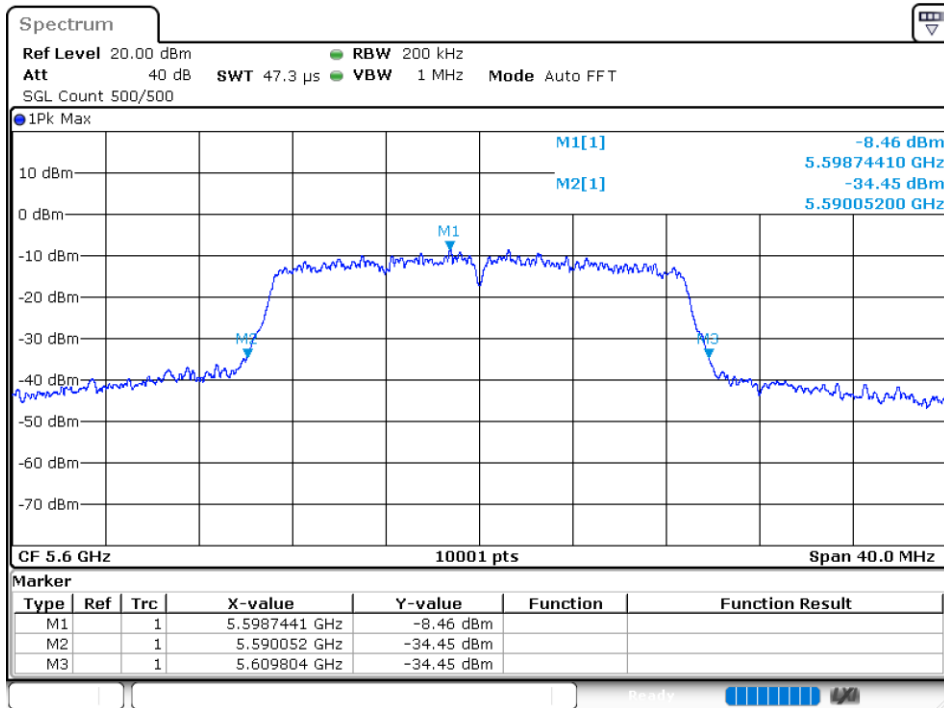
-26 dB BW NVNT 802.11n(HT20) 5500MHz Ant1



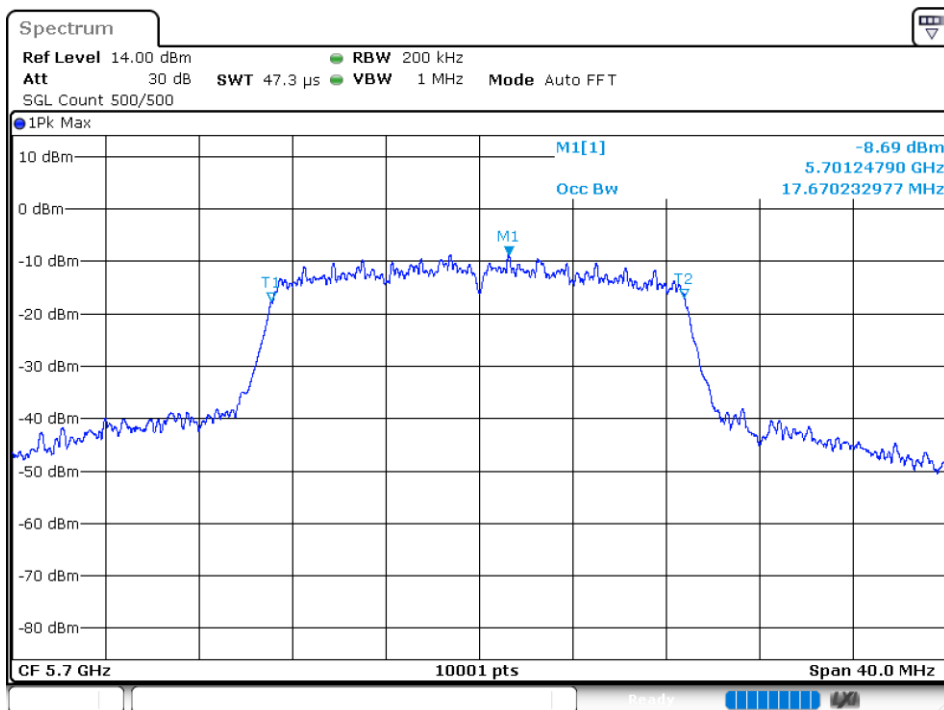
OBW NVNT 802.11n(HT20) 5600MHz Ant1



-26 dB BW NVNT 802.11n(HT20) 5600MHz Ant1

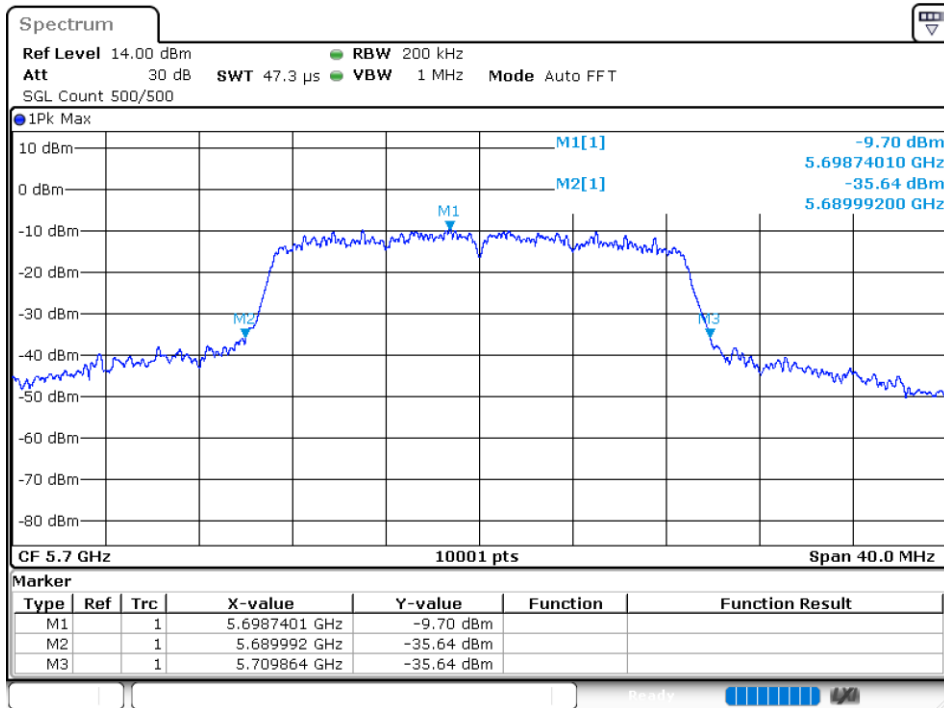


OBW NVNT 802.11n(HT20) 5700MHz Ant1

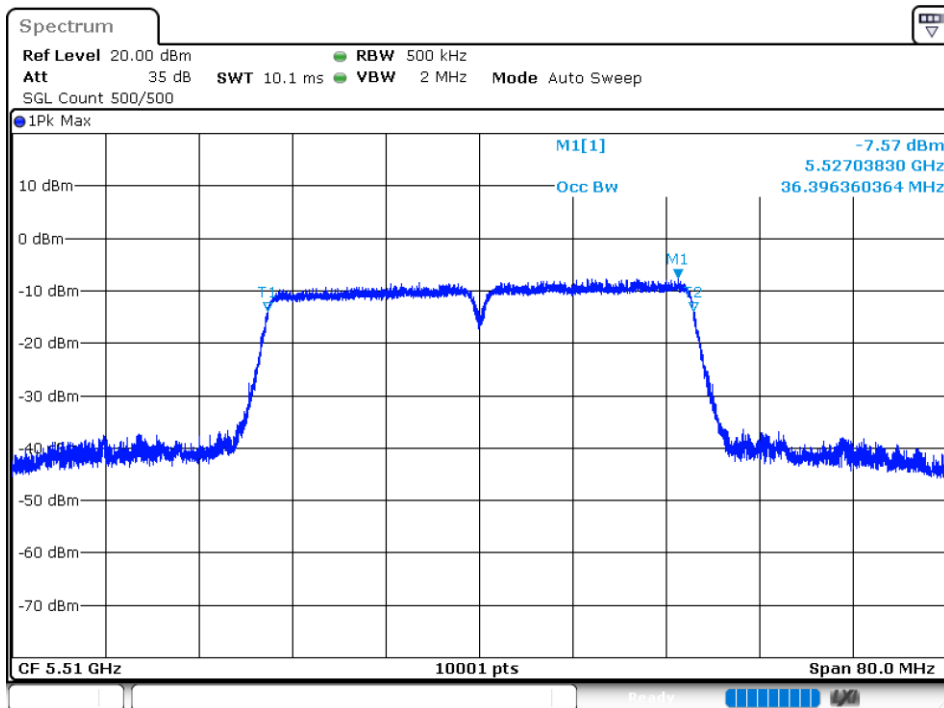


-26 dB BW NVNT 802.11n(HT20) 5700MHz Ant1

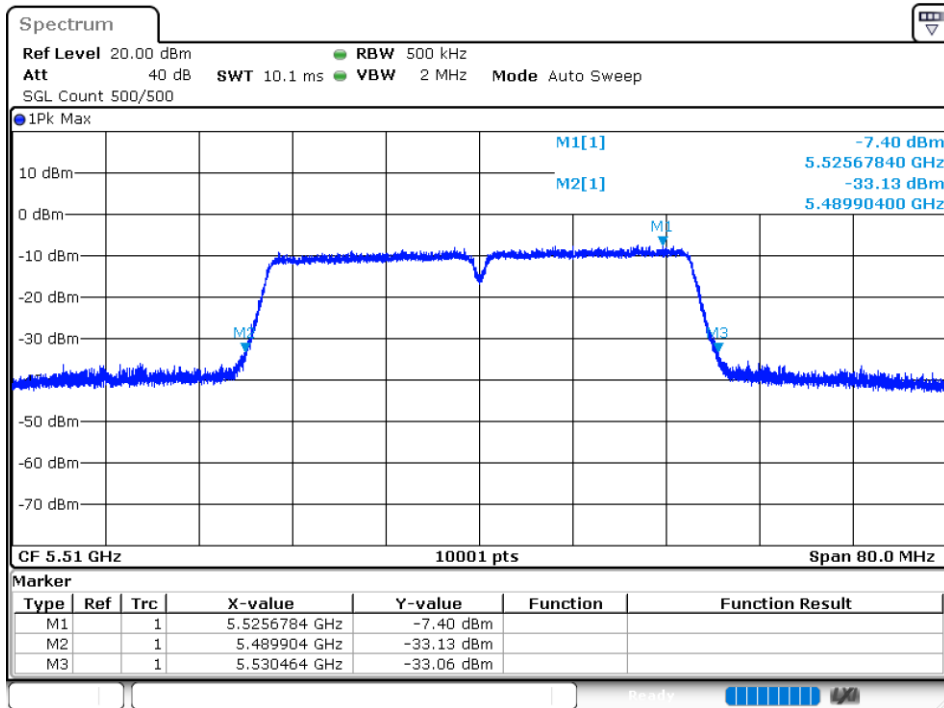




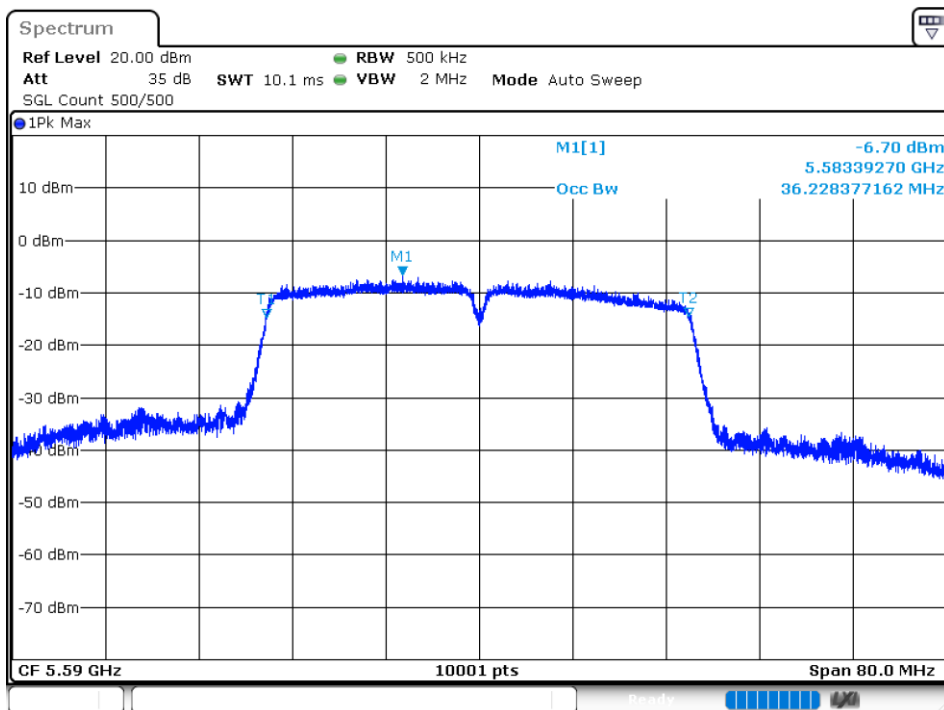
OBW NVNT 802.11n(HT40) 5510MHz Ant1



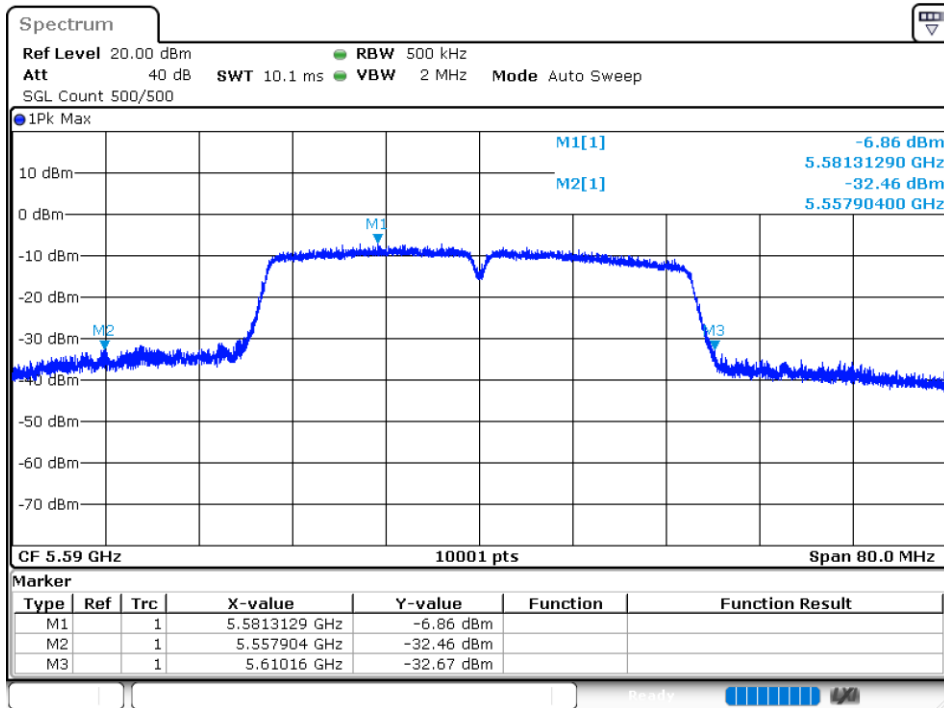
-26 dB BW NVNT 802.11n(HT40) 5510MHz Ant1



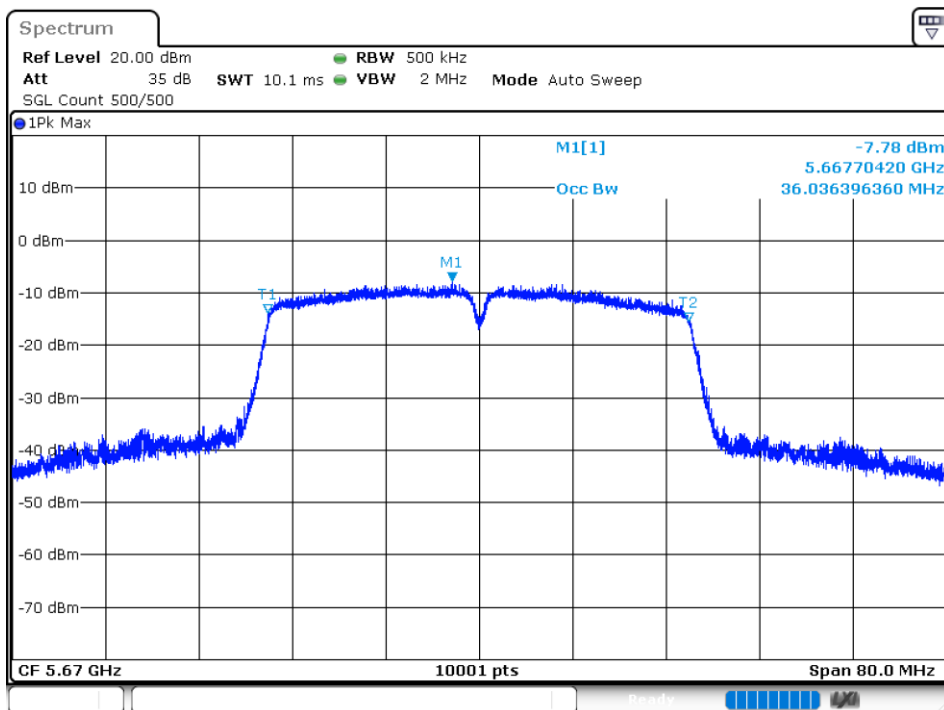
OBW NVNT 802.11n(HT40) 5590MHz Ant1



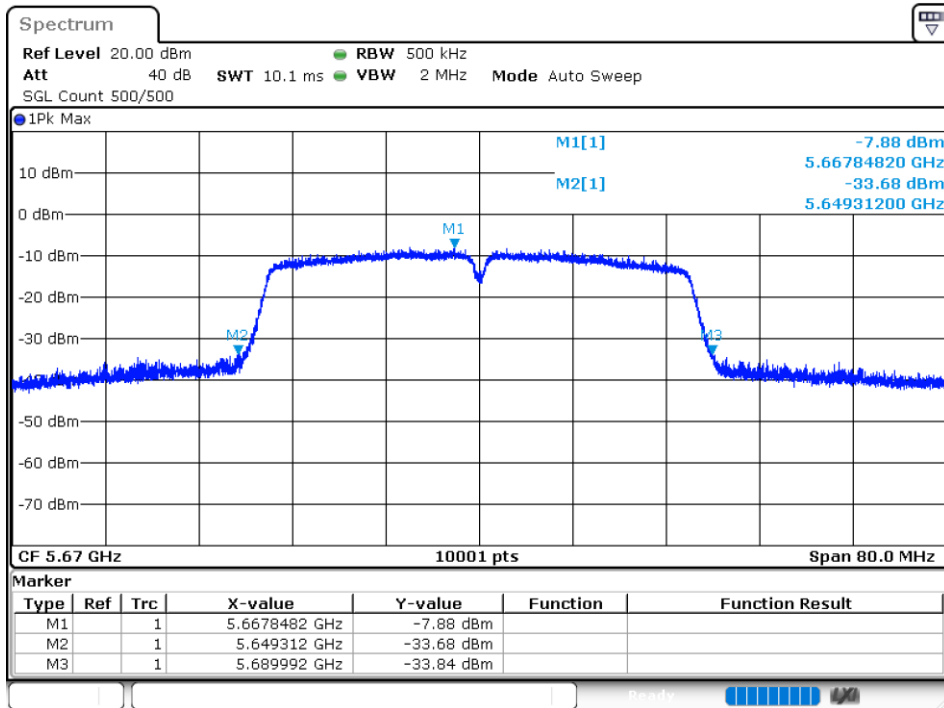
-26 dB BW NVNT 802.11n(HT40) 5590MHz Ant1



OBW NVNT 802.11n(HT40) 5670MHz Ant1



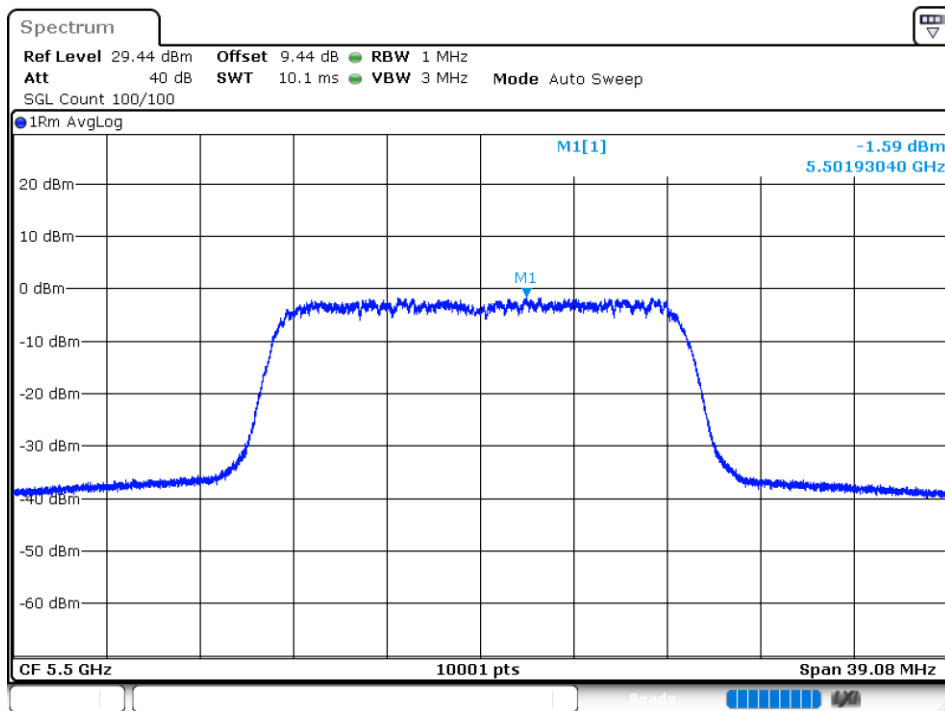
-26 dB BW NVNT 802.11n(HT40) 5670MHz Ant1



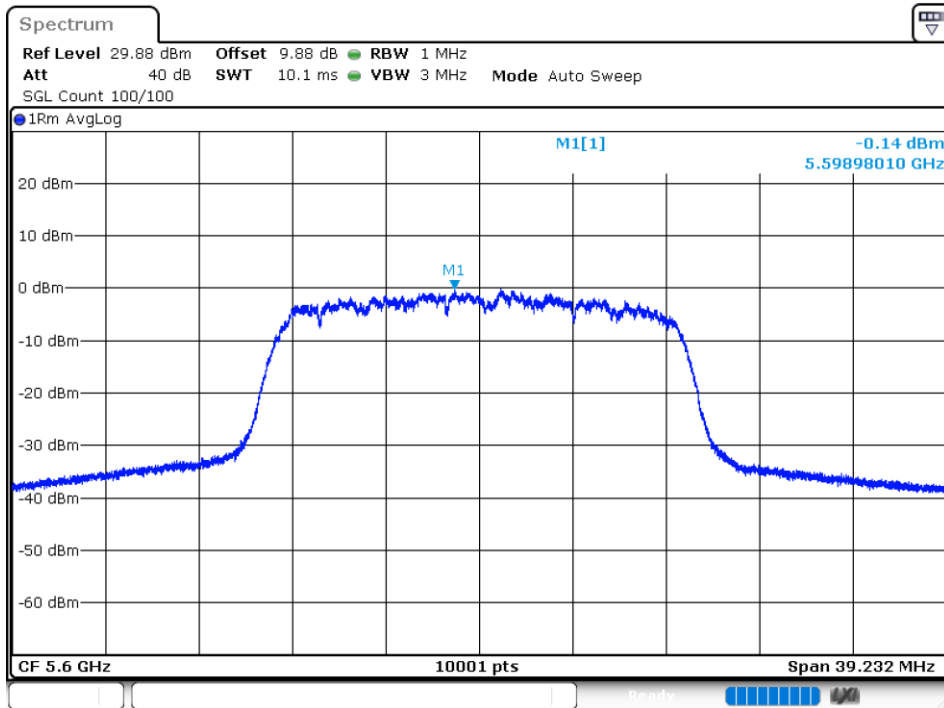
**Maximum Power Spectral Density Level**

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5500	Ant 1	-1.59	0.08	-1.51	11	Pass
NVNT	802.11a	5600	Ant 1	-0.137	0.08	-0.057	11	Pass
NVNT	802.11a	5700	Ant 1	0.088	0.08	0.168	11	Pass
NVNT	802.11n(HT20)	5500	Ant 1	-2.701	0.08	-2.621	11	Pass
NVNT	802.11n(HT20)	5600	Ant 1	-1.09	0.08	-1.01	11	Pass
NVNT	802.11n(HT20)	5700	Ant 1	-1.434	0.08	-1.354	11	Pass
NVNT	802.11n(HT40)	5510	Ant 1	-5.13	0.16	-4.97	11	Pass
NVNT	802.11n(HT40)	5590	Ant 1	-4.644	0.16	-4.484	11	Pass
NVNT	802.11n(HT40)	5670	Ant 1	-5.578	0.16	-5.418	11	Pass

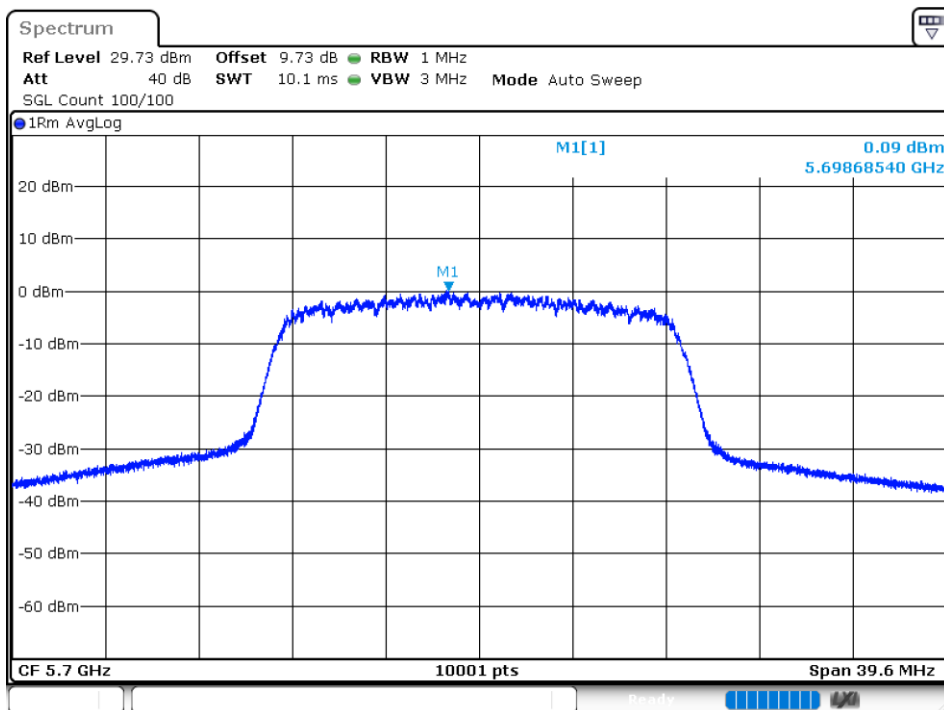
PSD NVNT 802.11a 5500MHz Ant1



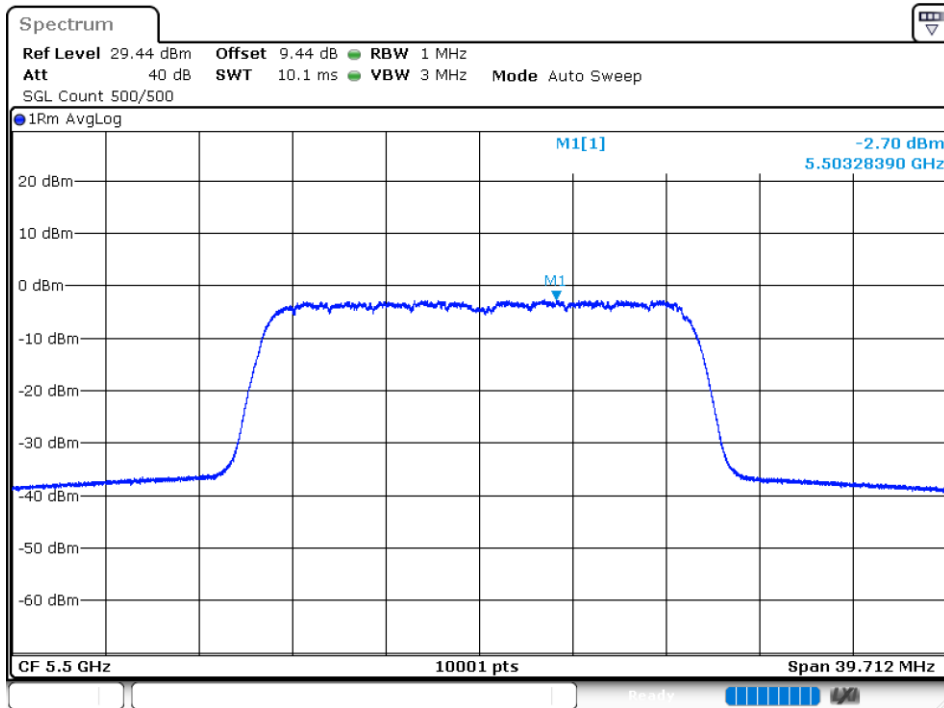
PSD NVNT 802.11a 5600MHz Ant1



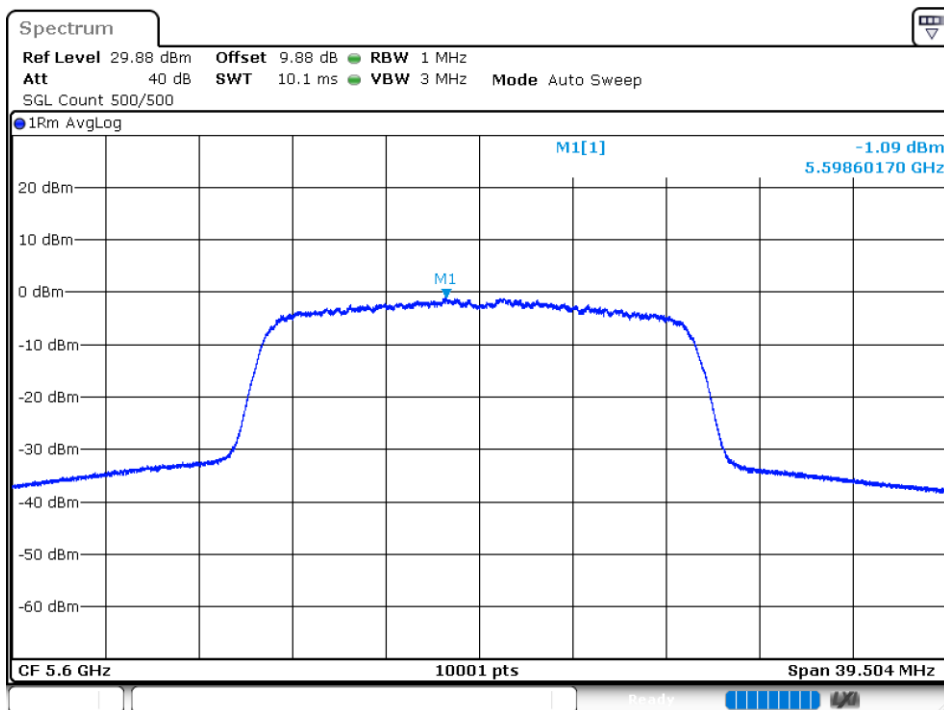
PSD NVNT 802.11a 5700MHz Ant1



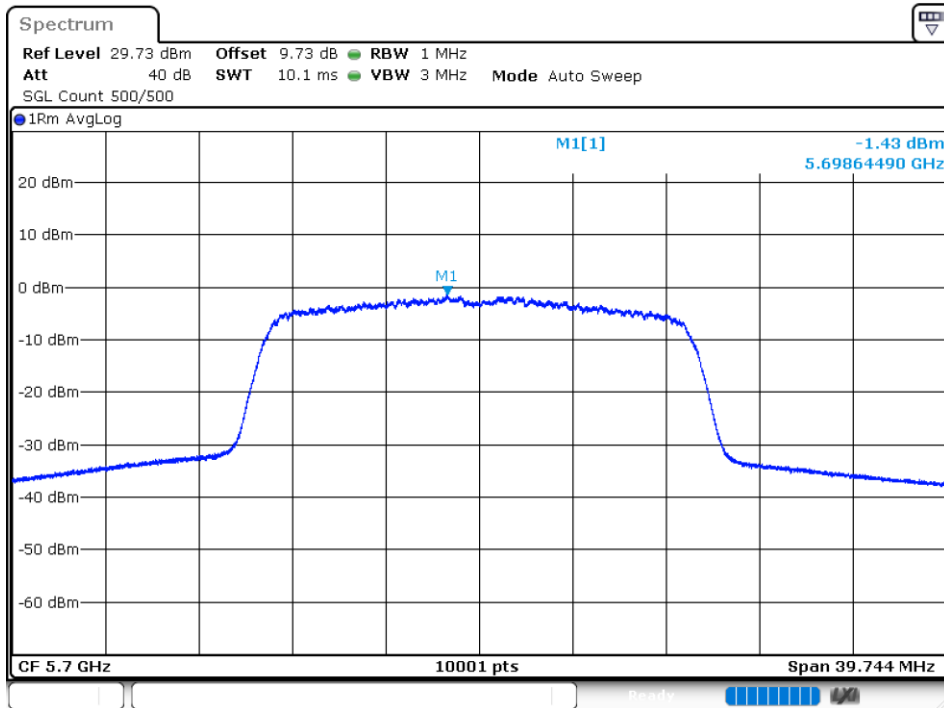
PSD NVNT 802.11n(HT20) 5500MHz Ant1



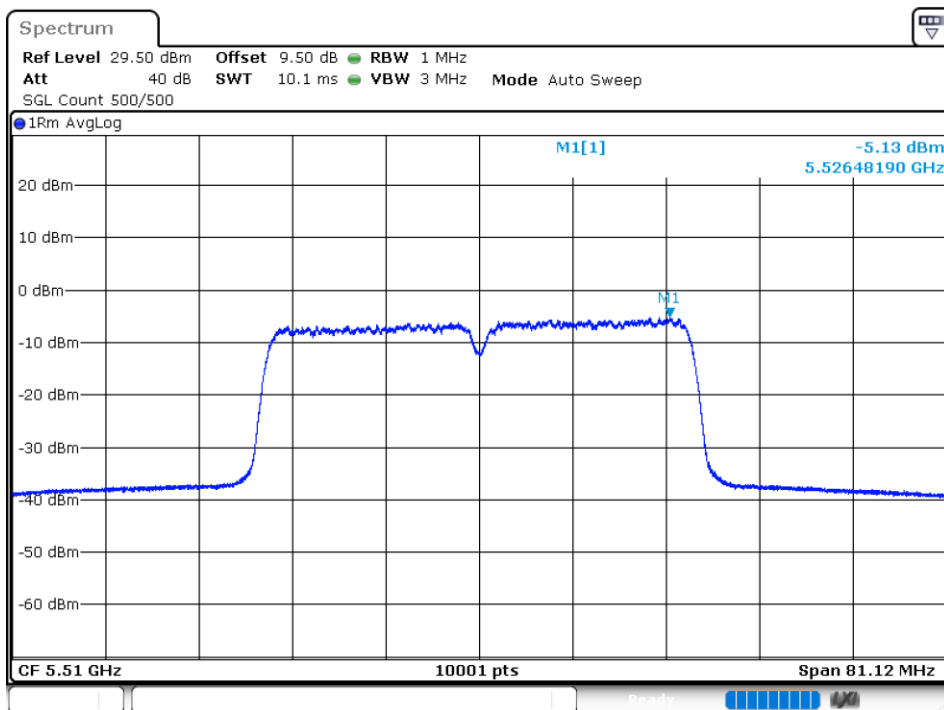
PSD NVNT 802.11n(HT20) 5600MHz Ant1



PSD NVNT 802.11n(HT20) 5700MHz Ant1

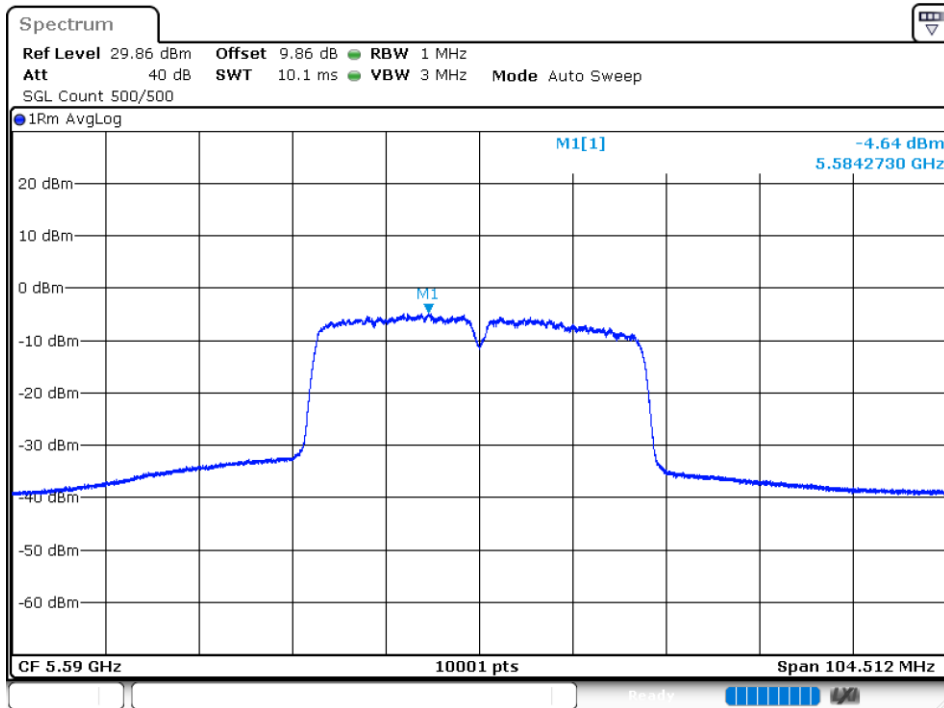


PSD NVNT 802.11n(HT40) 5510MHz Ant1

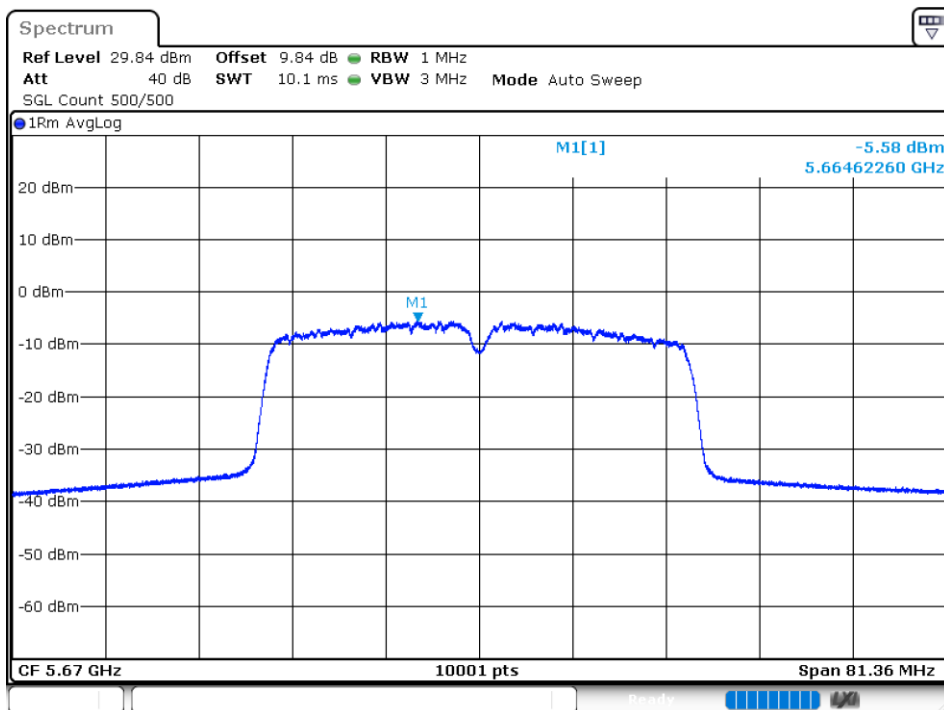


PSD NVNT 802.11n(HT40) 5590MHz Ant1





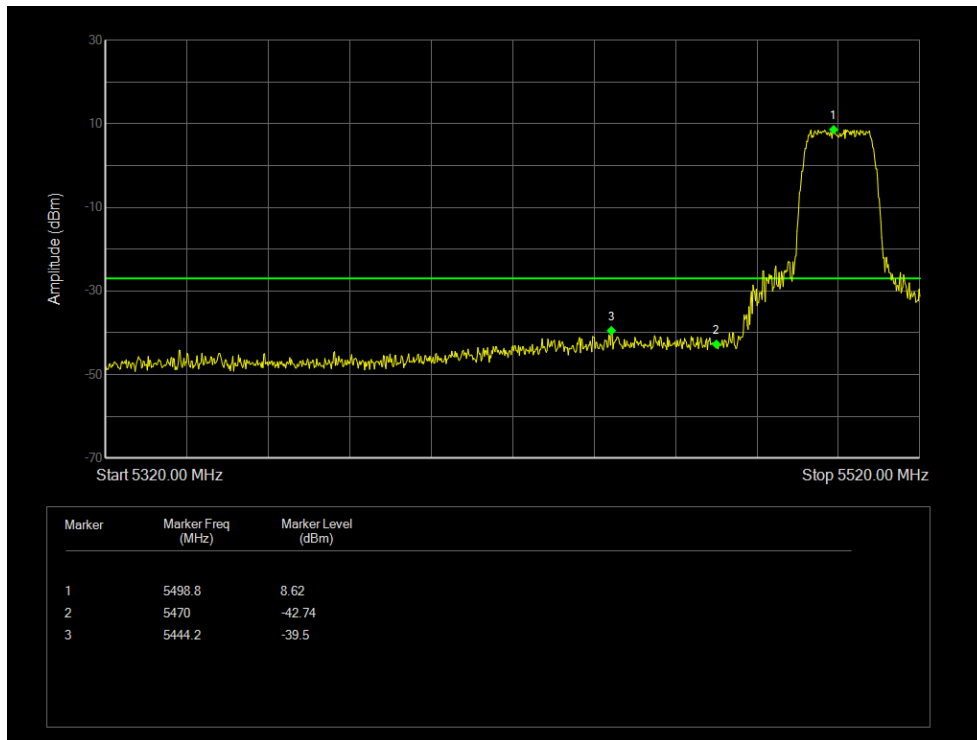
PSD NVNT 802.11n(HT40) 5670MHz Ant1



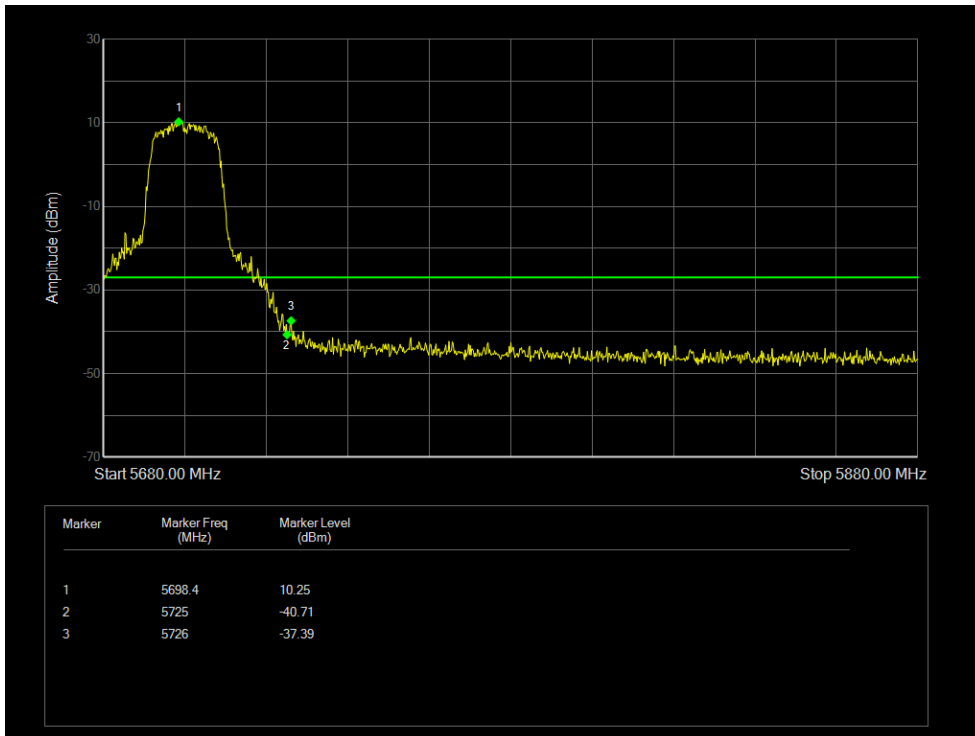
**Band Edge**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5500	Ant 1	-39.5	-27	Pass
NVNT	802.11a	5700	Ant 1	-37.39	-27	Pass
NVNT	802.11n(HT20)	5500	Ant 1	-39.78	-27	Pass
NVNT	802.11n(HT20)	5700	Ant 1	-37.05	-27	Pass
NVNT	802.11n(HT40)	5510	Ant 1	-29.17	-27	Pass
NVNT	802.11n(HT40)	5670	Ant 1	-42.88	-27	Pass

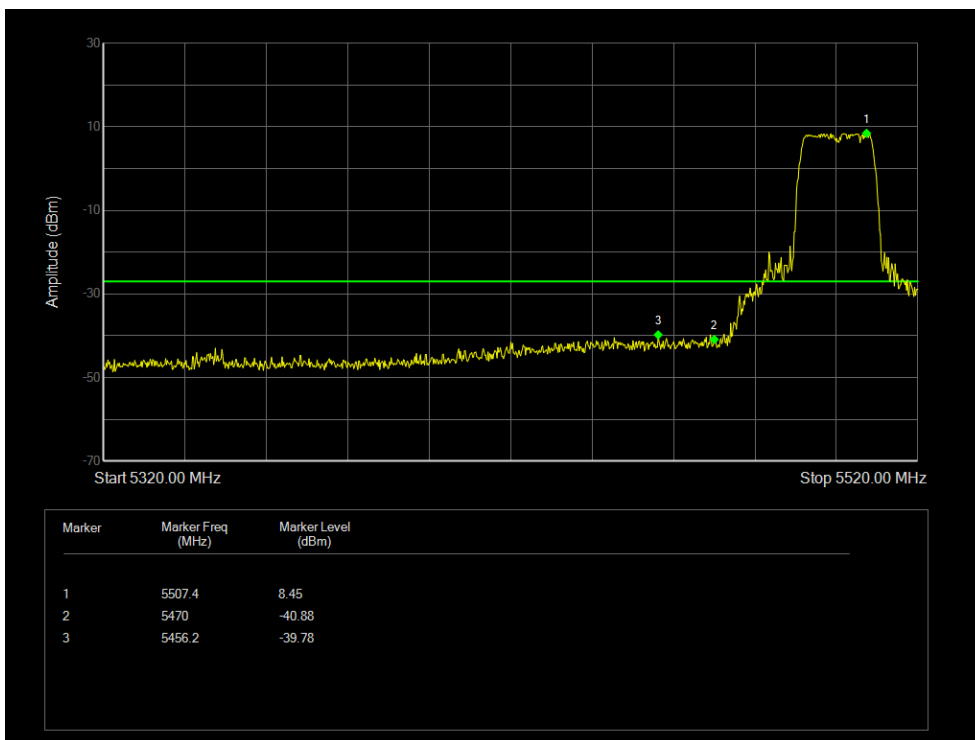
Band Edge NVNT 802.11a 5500MHz Low Ant1



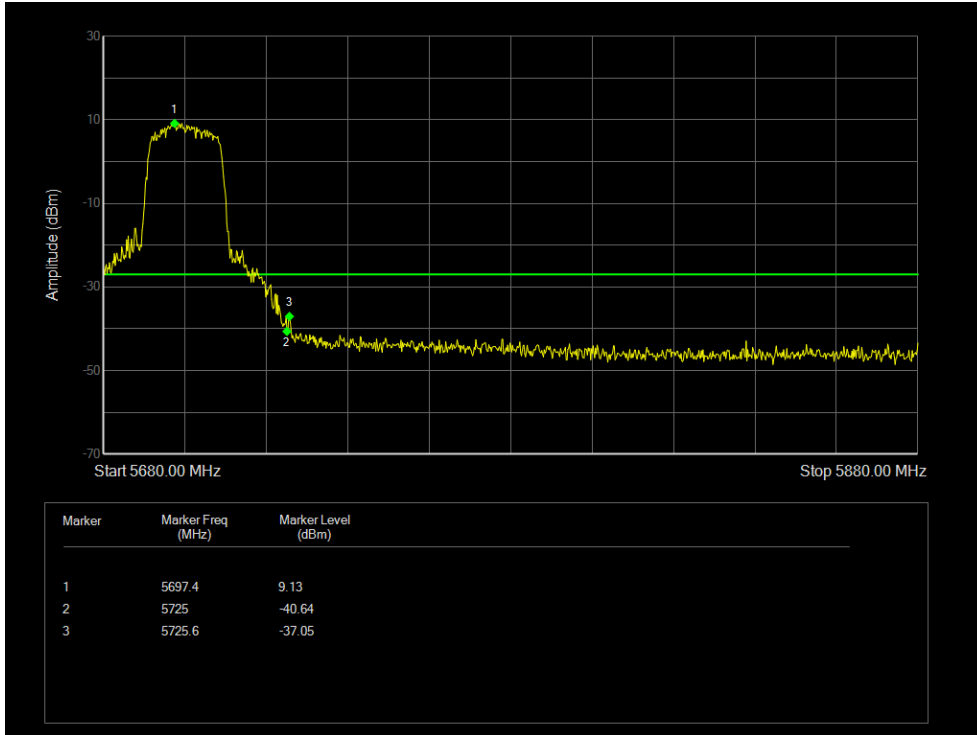
Band Edge NVNT 802.11a 5700MHz High Ant1



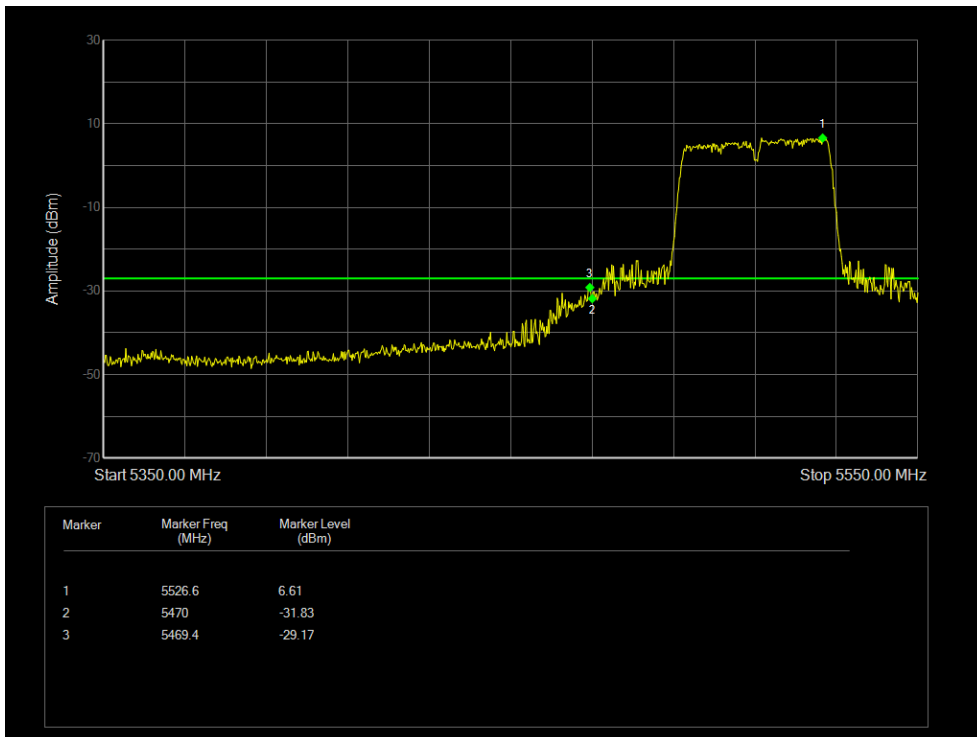
Band Edge NVNT 802.11n(HT20) 5500MHz Low Ant1



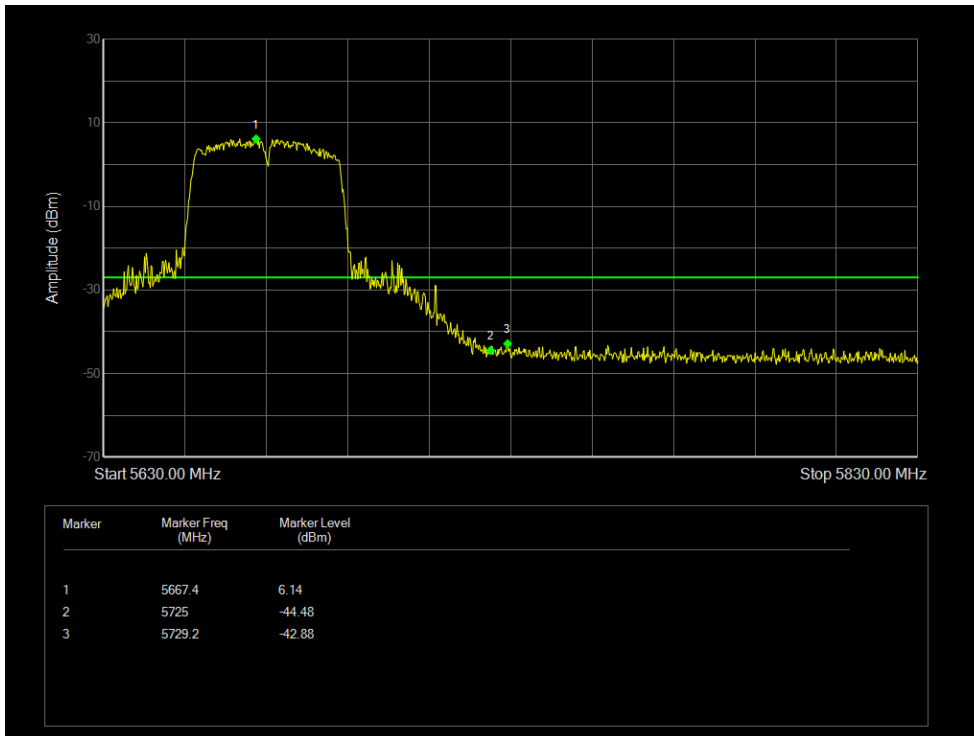
Band Edge NVNT 802.11n(HT20) 5700MHz High Ant1



Band Edge NVNT 802.11n(HT40) 5510MHz Low Ant1



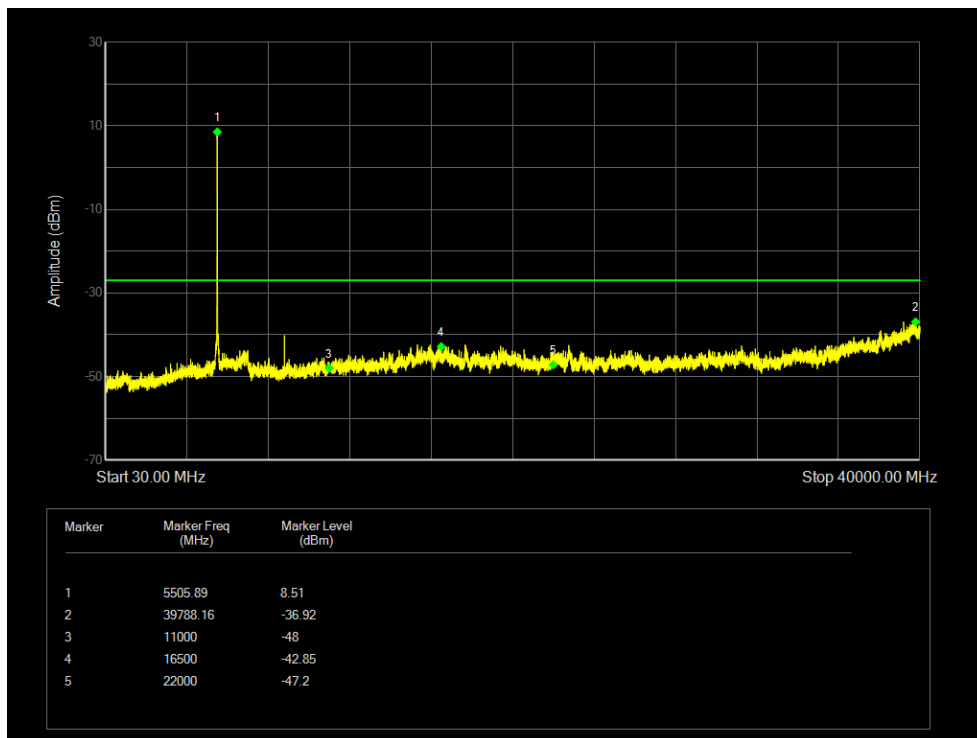
Band Edge NVNT 802.11n(HT40) 5670MHz High Ant1



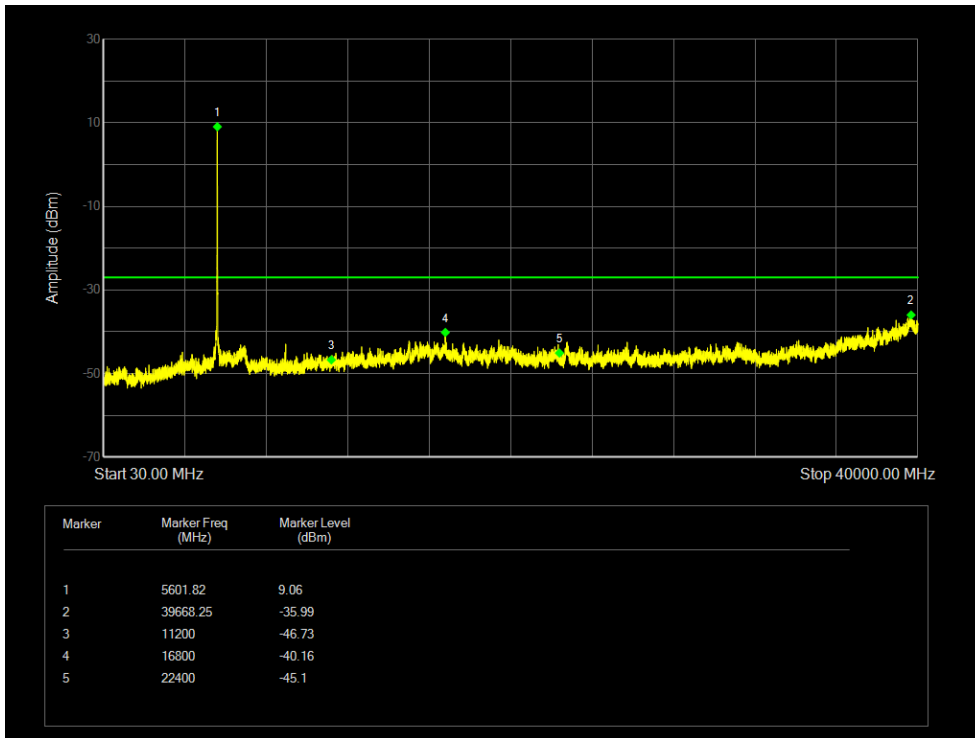
**Conducted RF Spurious Emission**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5500	Ant 1	-36.92	-27	Pass
NVNT	802.11a	5600	Ant 1	-35.99	-27	Pass
NVNT	802.11a	5700	Ant 1	-35.83	-27	Pass
NVNT	802.11n(HT20)	5500	Ant 1	-35.74	-27	Pass
NVNT	802.11n(HT20)	5600	Ant 1	-35.89	-27	Pass
NVNT	802.11n(HT20)	5700	Ant 1	-36.14	-27	Pass
NVNT	802.11n(HT40)	5510	Ant 1	-36.93	-27	Pass
NVNT	802.11n(HT40)	5590	Ant 1	-36.32	-27	Pass
NVNT	802.11n(HT40)	5670	Ant 1	-36.38	-27	Pass

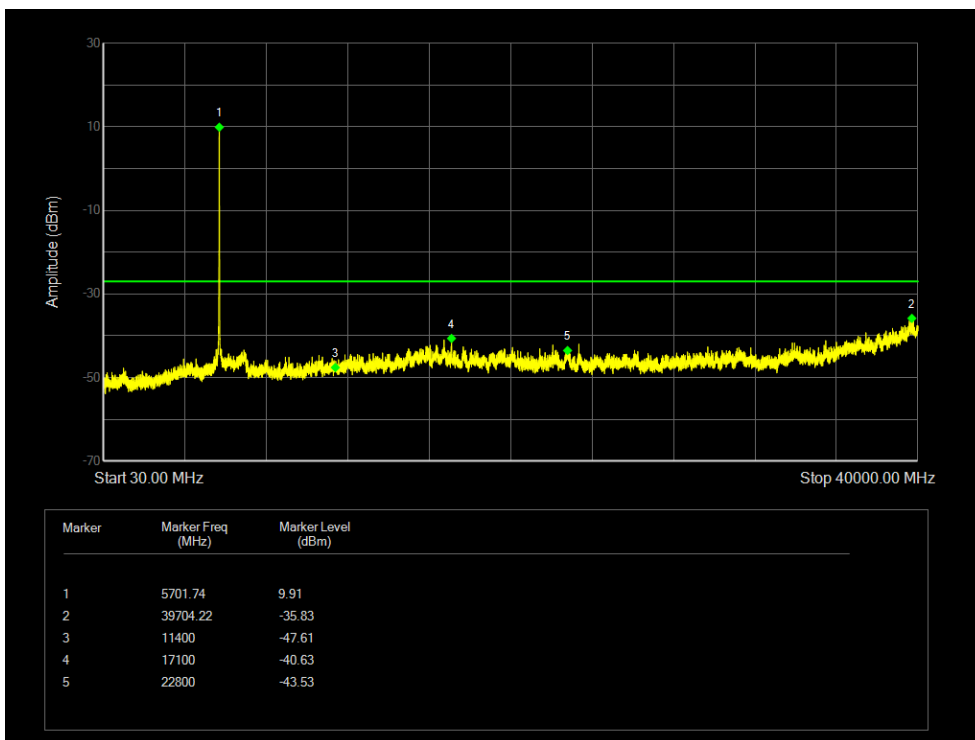
Tx. Spurious NVNT 802.11a 5500MHz Ant1 Emission



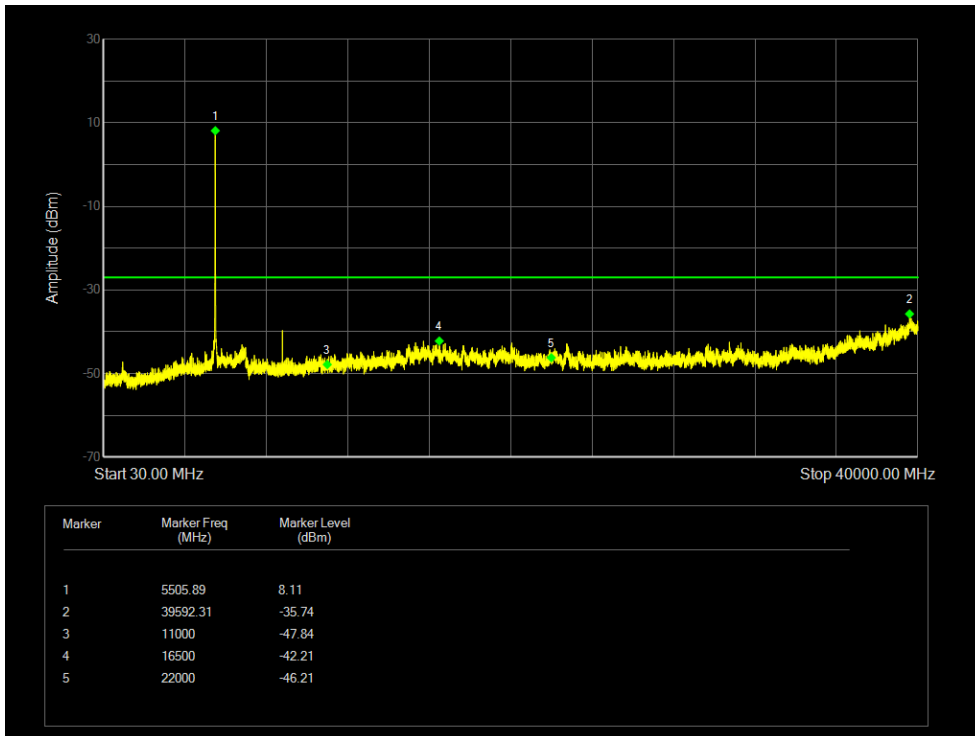
Tx. Spurious NVNT 802.11a 5600MHz Ant1 Emission



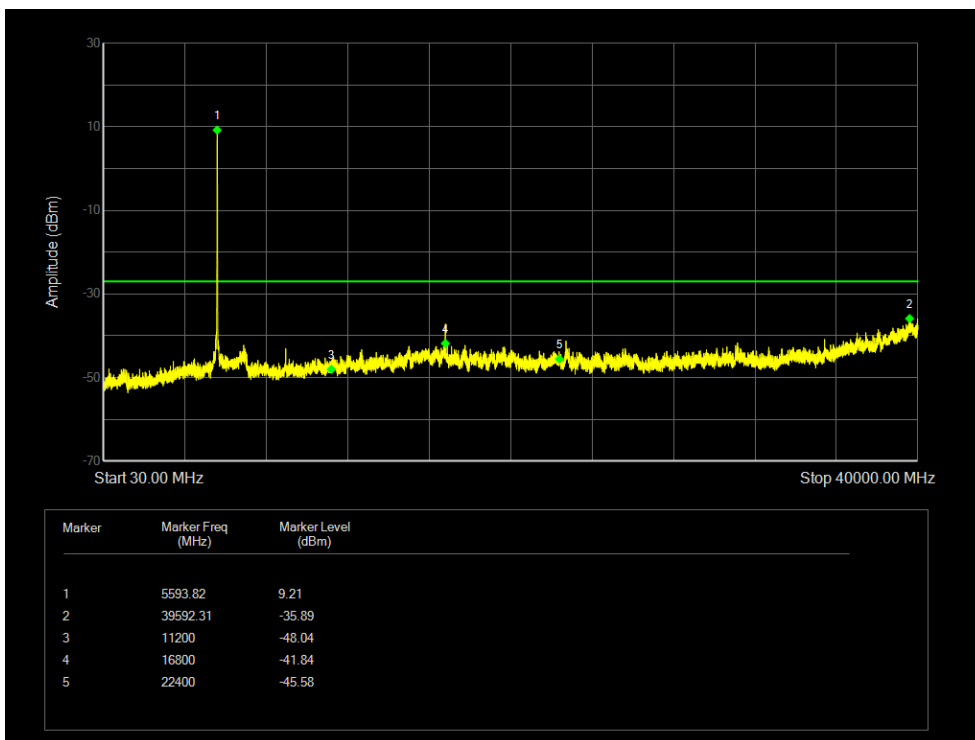
Tx. Spurious NVNT 802.11a 5700MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT20) 5500MHz Ant1 Emission

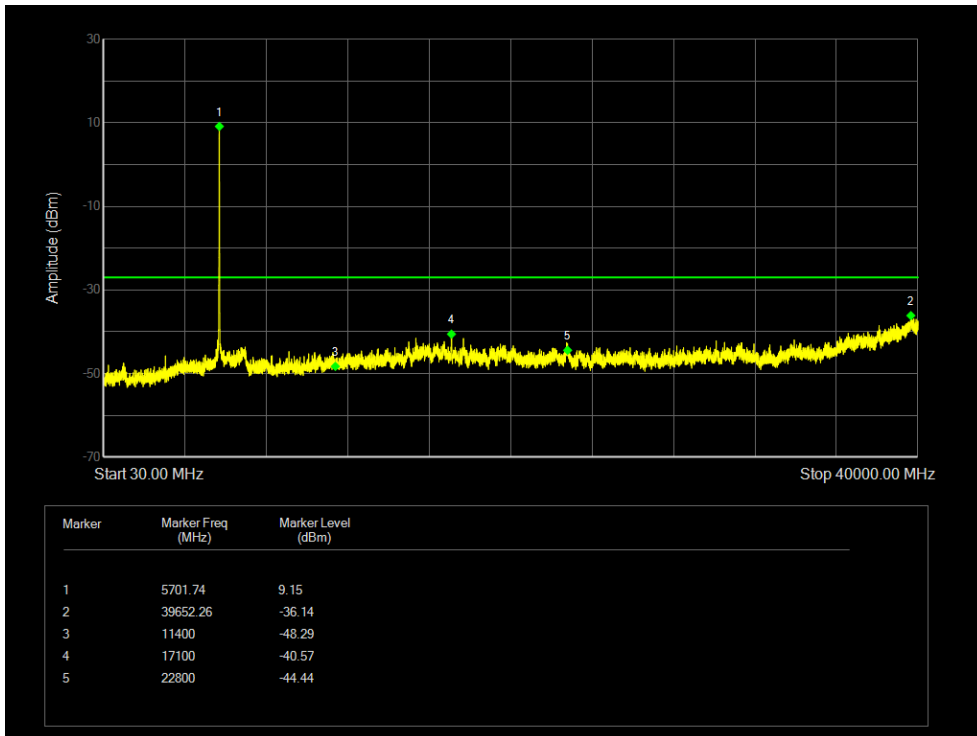


Tx. Spurious NVNT 802.11n(HT20) 5600MHz Ant1 Emission

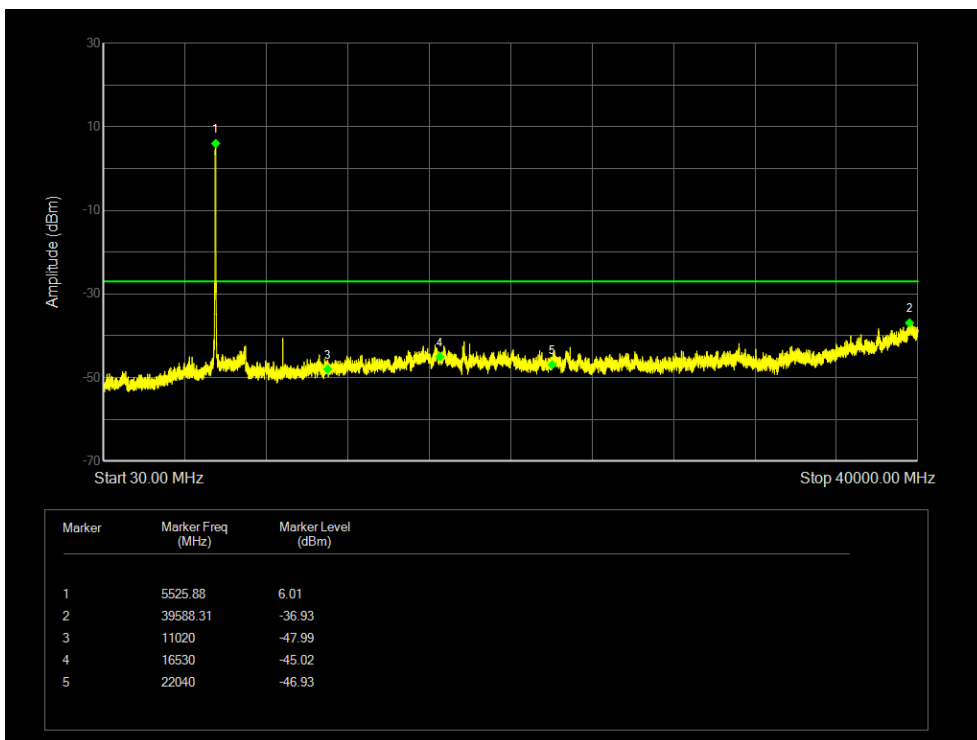


Tx. Spurious NVNT 802.11n(HT20) 5700MHz Ant1 Emission

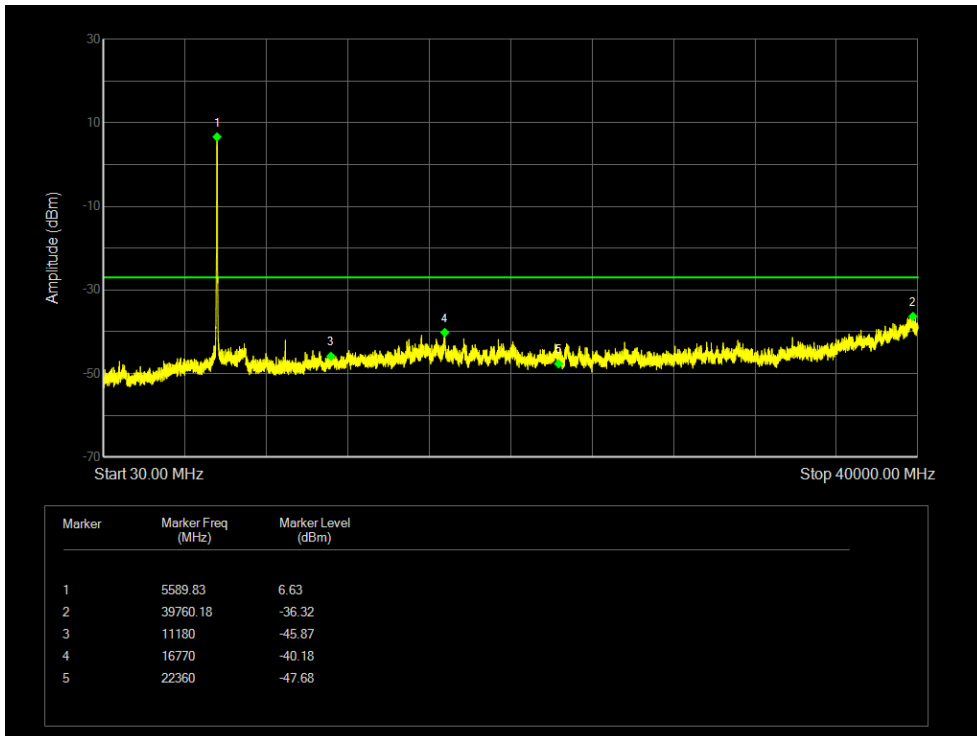




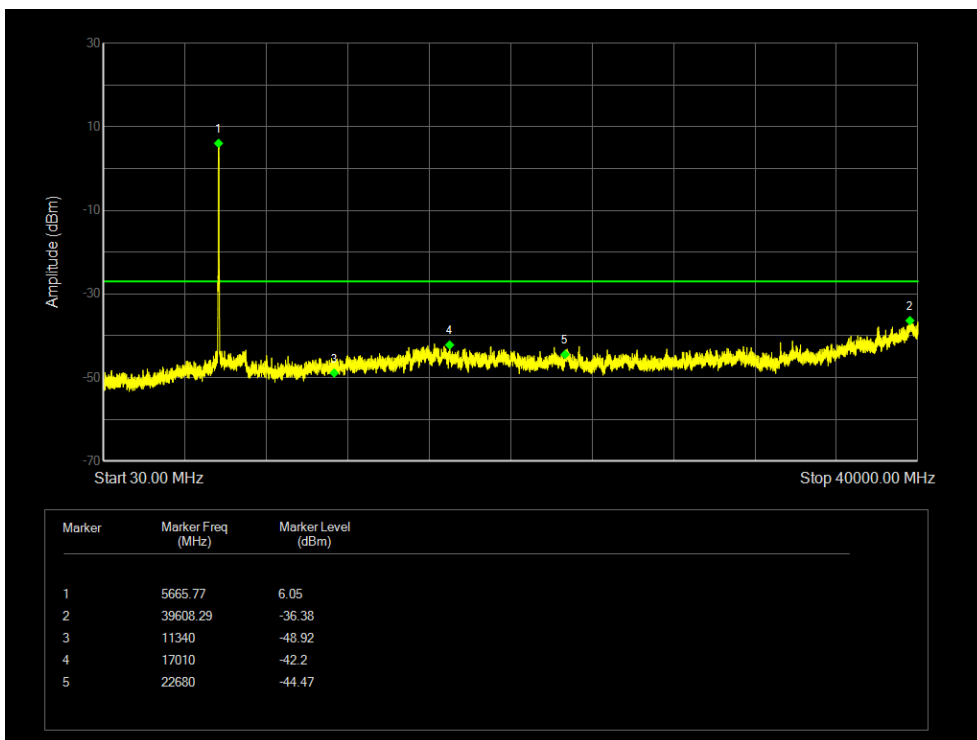
Tx. Spurious NVNT 802.11n(HT40) 5510MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5590MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5670MHz Ant1 Emission

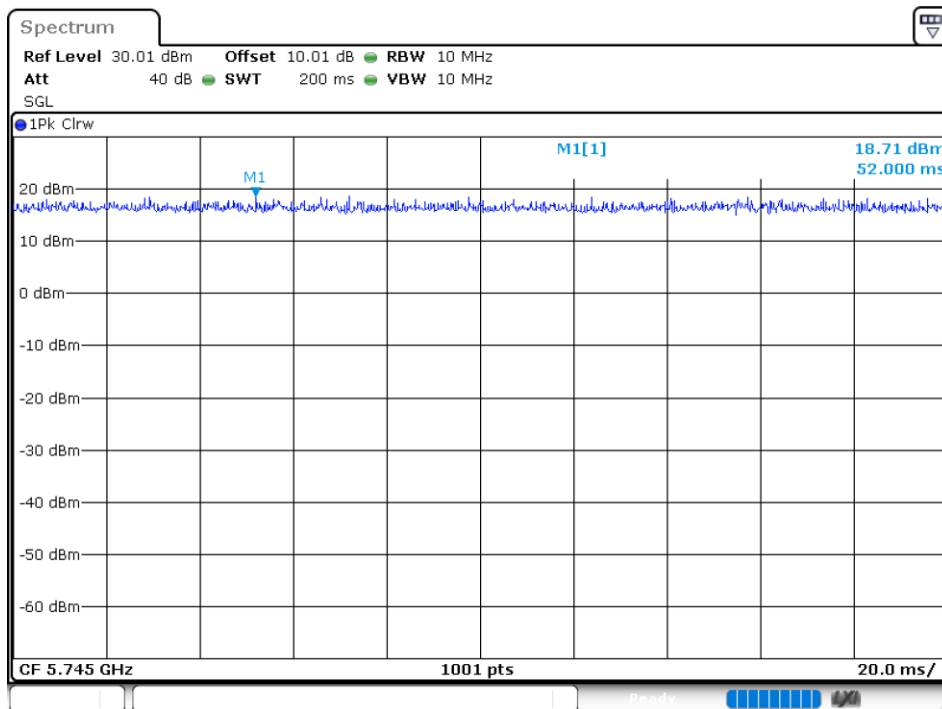


# WIFI 5.8G

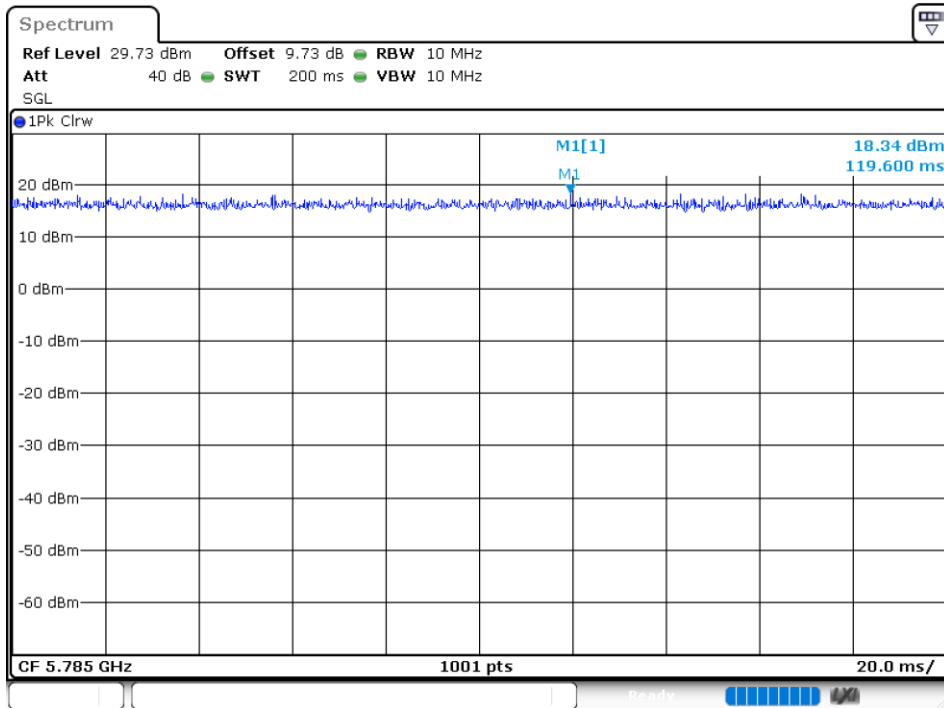
## Duty Cycle

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
NVNT	802.11a	5745	100	0
NVNT	802.11a	5785	100	0
NVNT	802.11a	5825	100	0
NVNT	802.11n(HT20)	5745	100	0
NVNT	802.11n(HT20)	5785	100	0
NVNT	802.11n(HT20)	5825	100	0
NVNT	802.11n(HT40)	5755	100	0
NVNT	802.11n(HT40)	5795	100	0

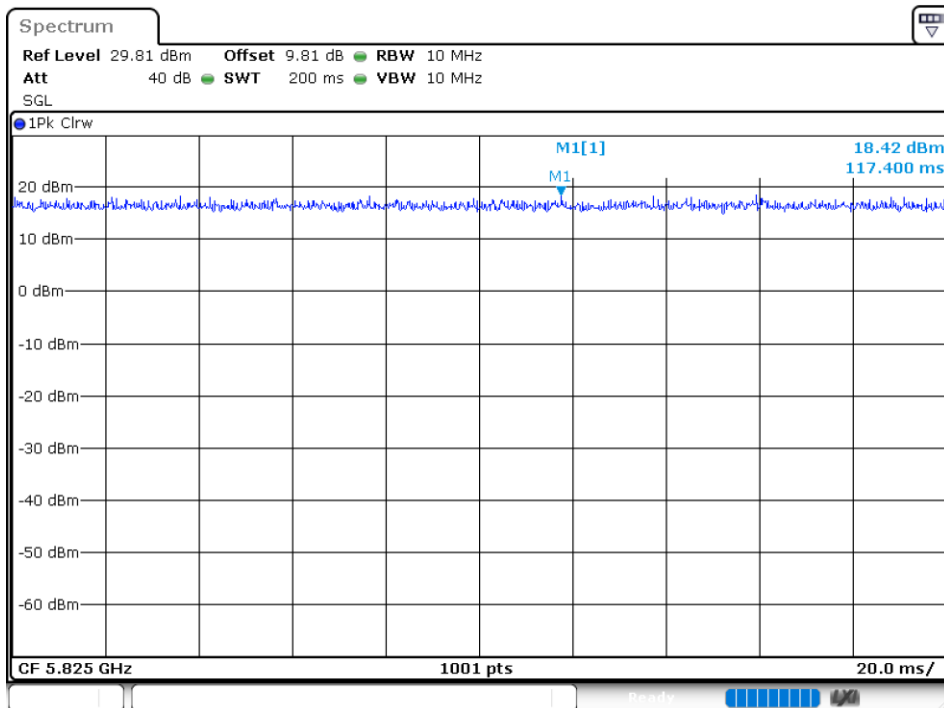
Duty Cycle NVNT 802.11a 5745MHz



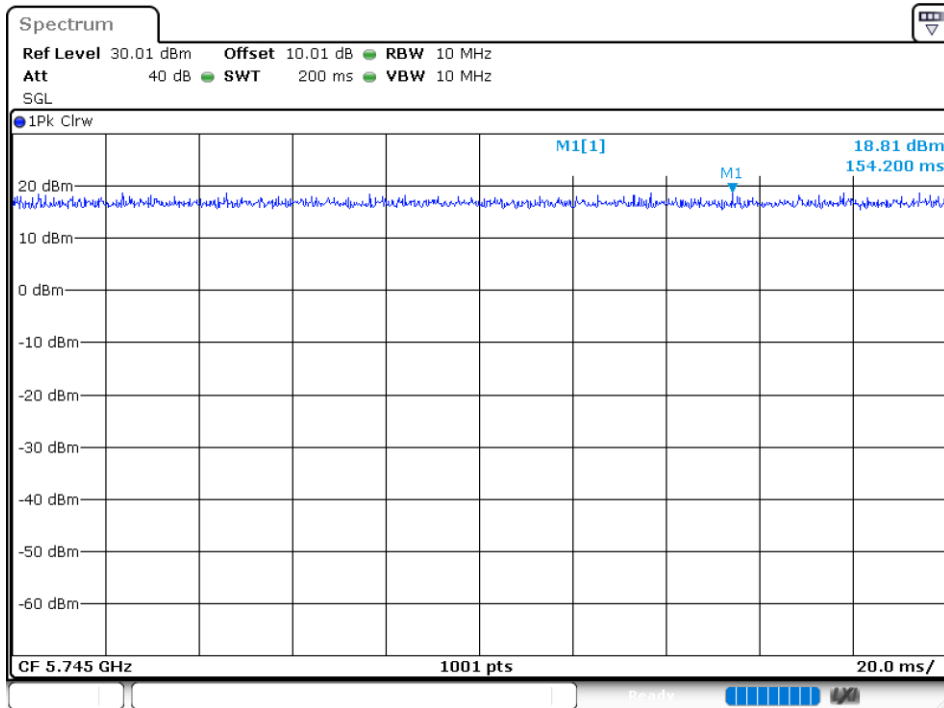
Duty Cycle NVNT 802.11a 5785MHz



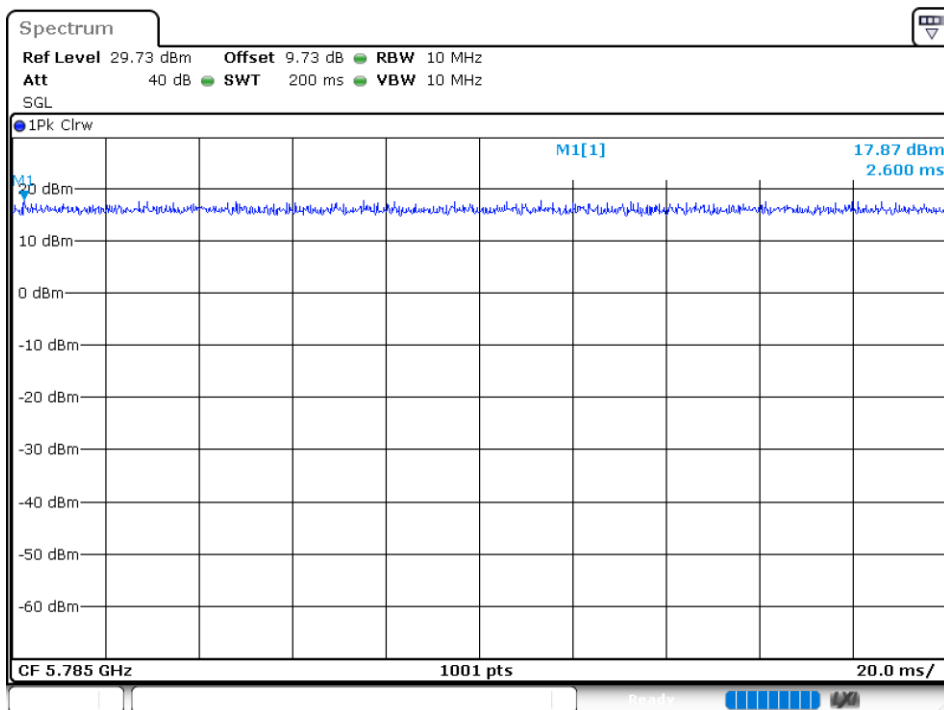
Duty Cycle NVNT 802.11a 5825MHz



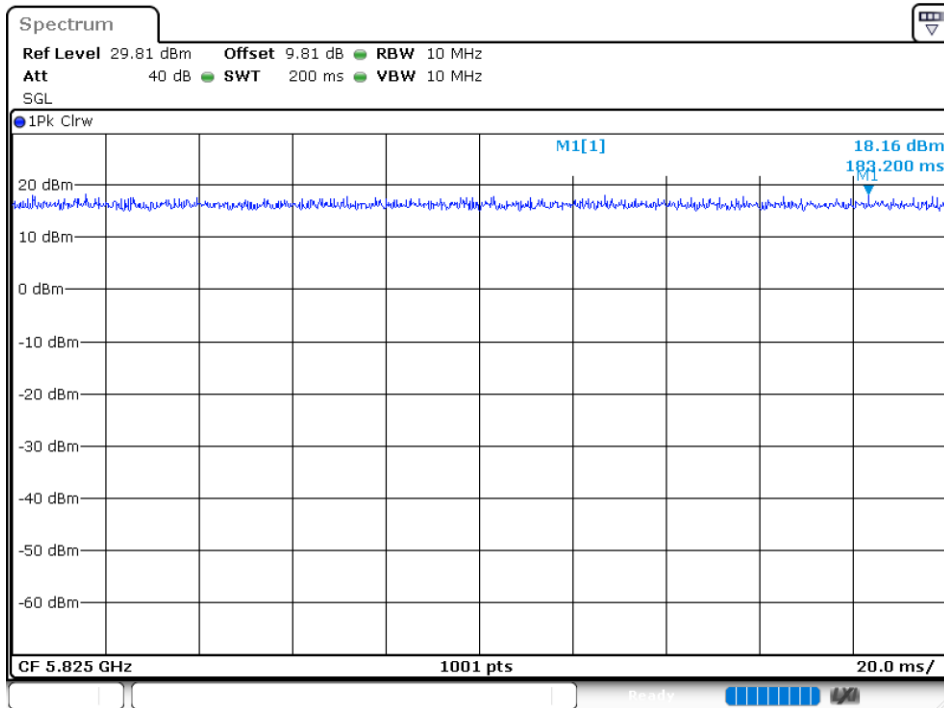
Duty Cycle NVNT 802.11n(HT20) 5745MHz



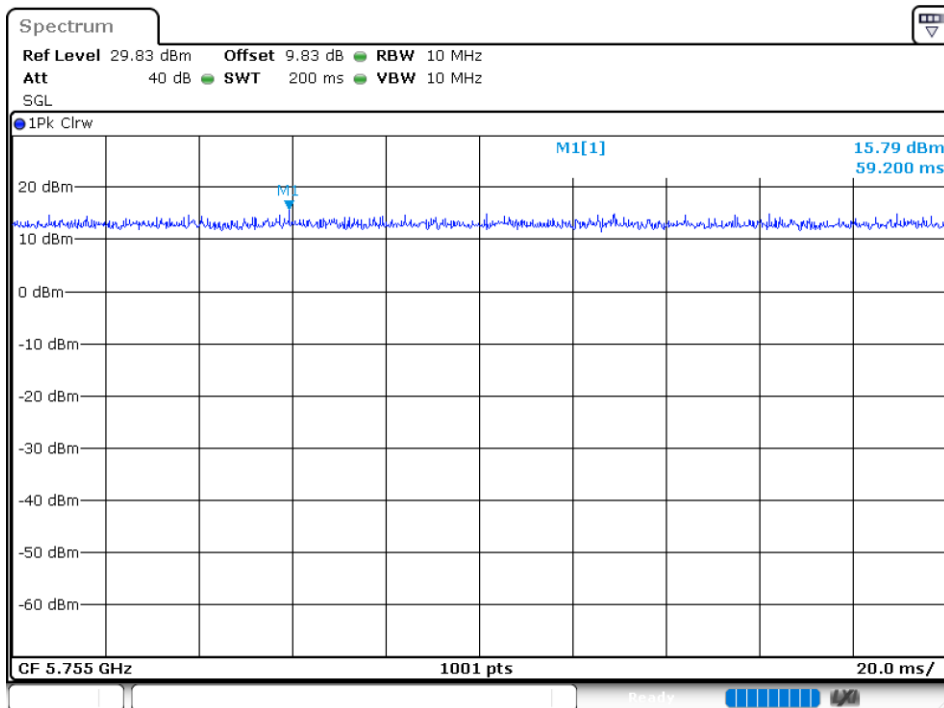
Duty Cycle NVNT 802.11n(HT20) 5785MHz



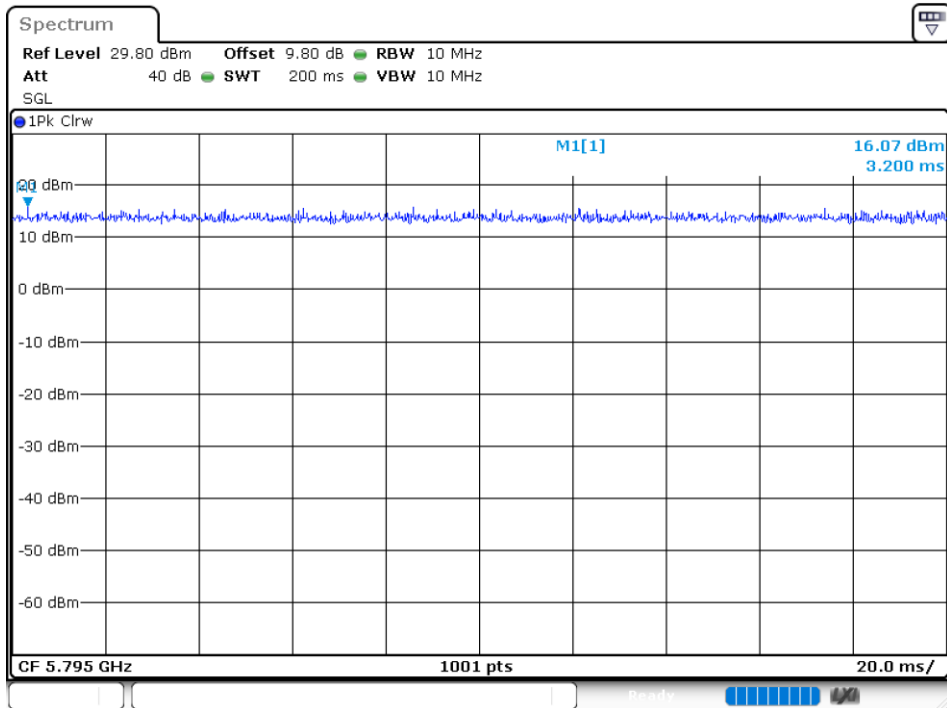
Duty Cycle NVNT 802.11n(HT20) 5825MHz



Duty Cycle NVNT 802.11n(HT40) 5755MHz



Duty Cycle NVNT 802.11n(HT40) 5795MHz



**Maximum Conducted Output Power**

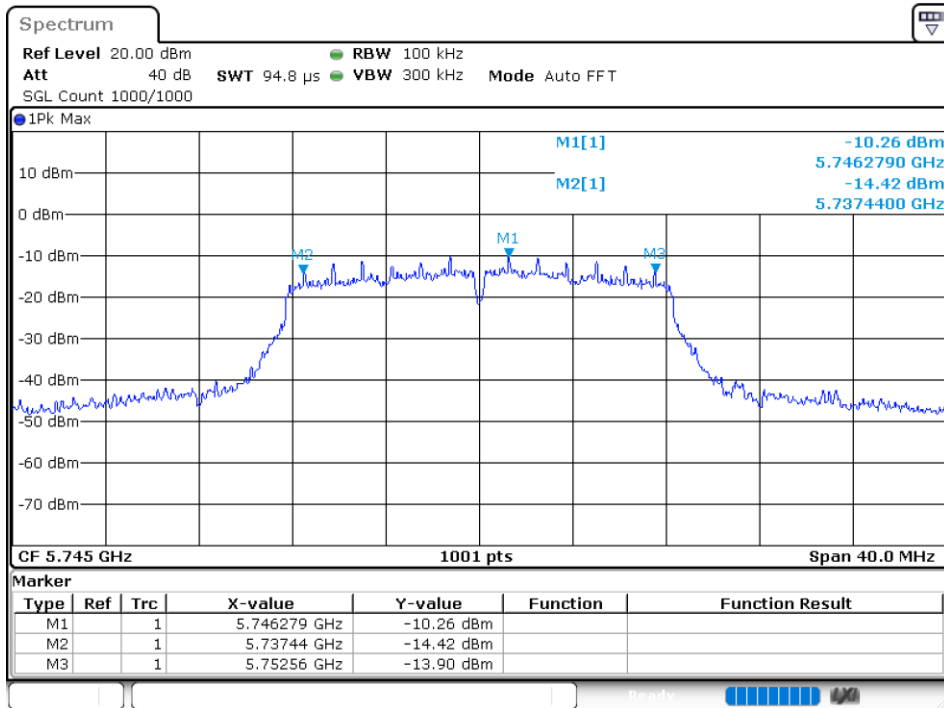
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	8.84	0	8.84	30	Pass
NVNT	802.11a	5785	Ant 1	8.67	0	8.67	30	Pass
NVNT	802.11a	5825	Ant 1	8.86	0	8.86	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	8.92	0	8.92	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	8.78	0	8.78	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	8.78	0	8.78	30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	8.08	0	8.08	30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	9	0	9	30	Pass

**-6dB Emission Bandwidth**

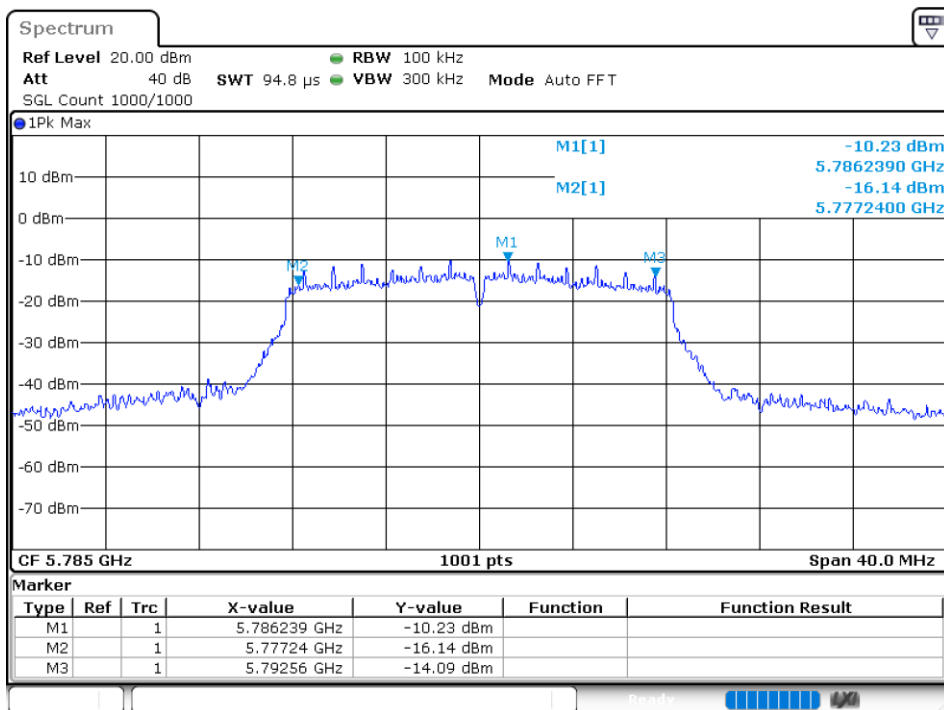
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	15.12	0.5	Pass
NVNT	802.11a	5785	Ant 1	15.32	0.5	Pass
NVNT	802.11a	5825	Ant 1	15.52	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 1	17.56	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 1	15.96	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 1	15.92	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 1	35.12	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 1	35.12	0.5	Pass

EBW NVNT 802.11a 5745MHz Ant1

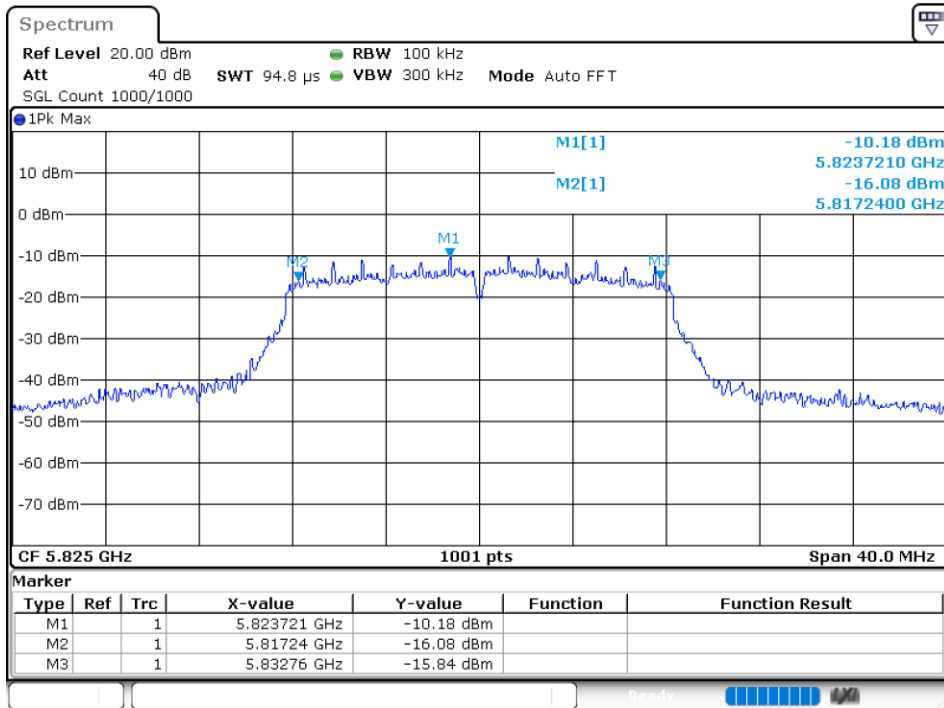




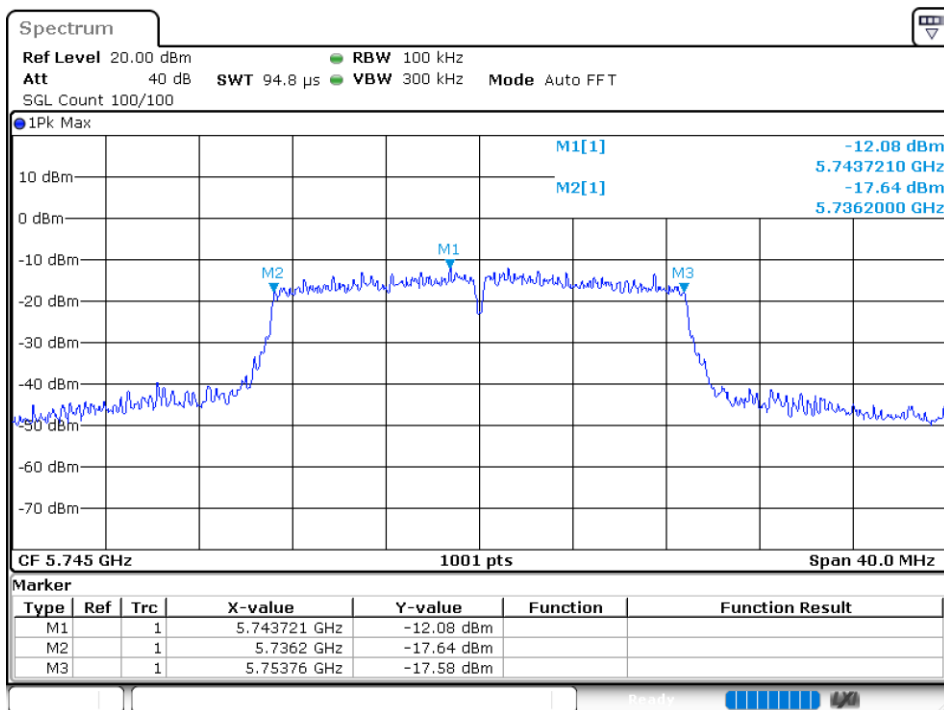
EBW NVNT 802.11a 5785MHz Ant1



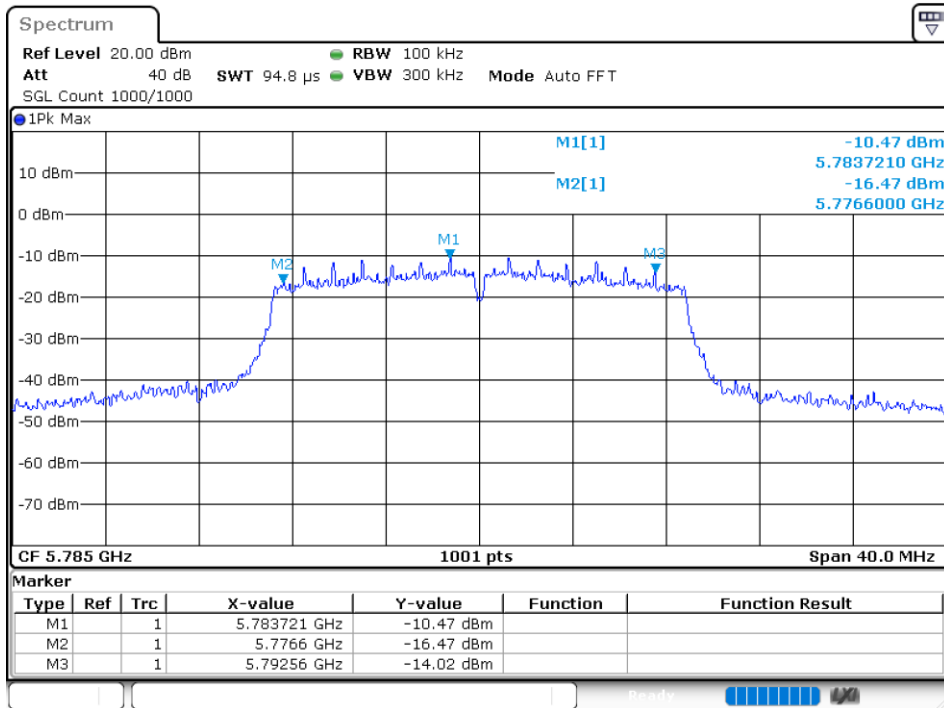
EBW NVNT 802.11a 5825MHz Ant1



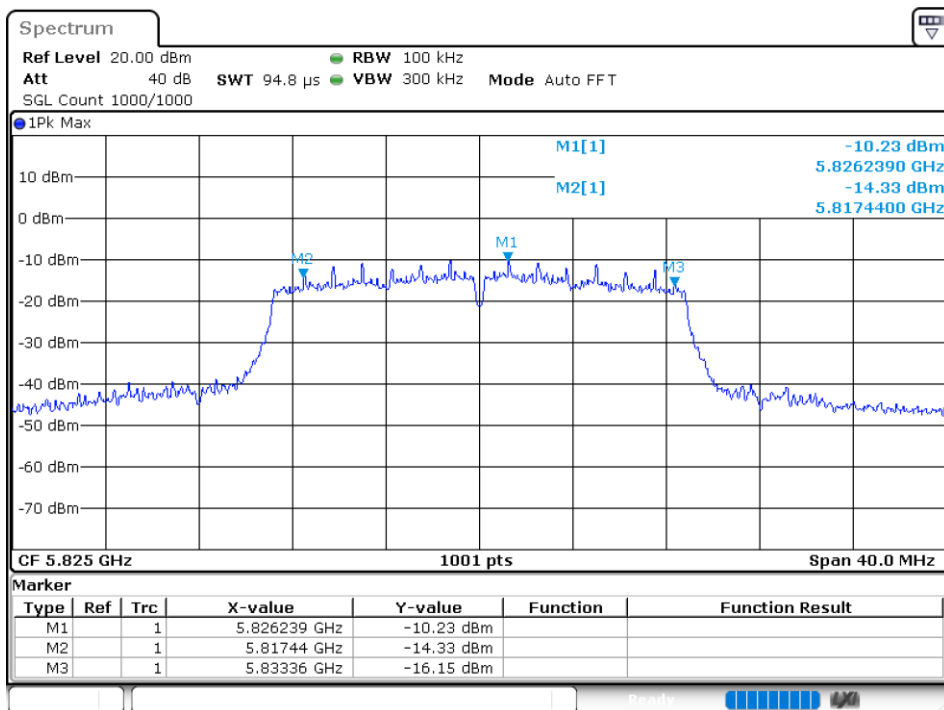
EBW NVNT 802.11n(HT20) 5745MHz Ant1



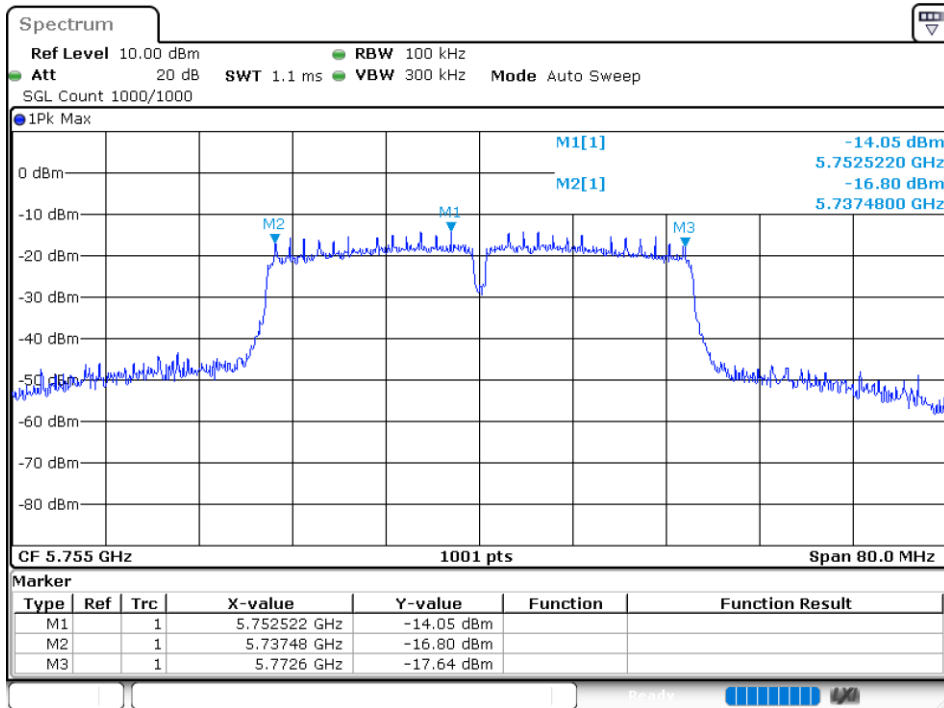
EBW NVNT 802.11n(HT20) 5785MHz Ant1



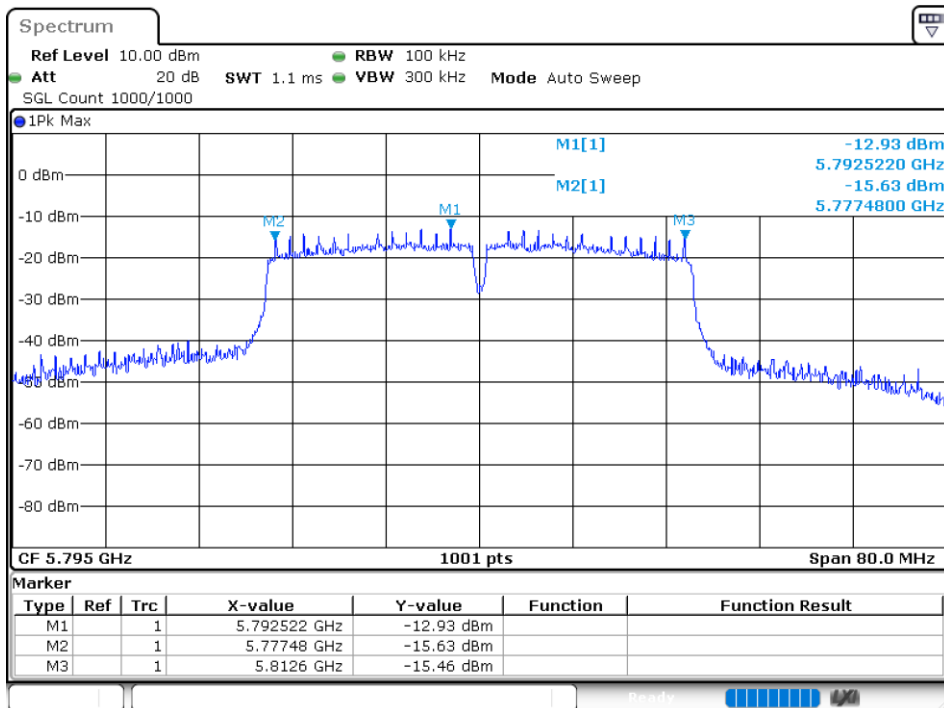
EBW NVNT 802.11n(HT20) 5825MHz Ant1



EBW NVNT 802.11n(HT40) 5755MHz Ant1



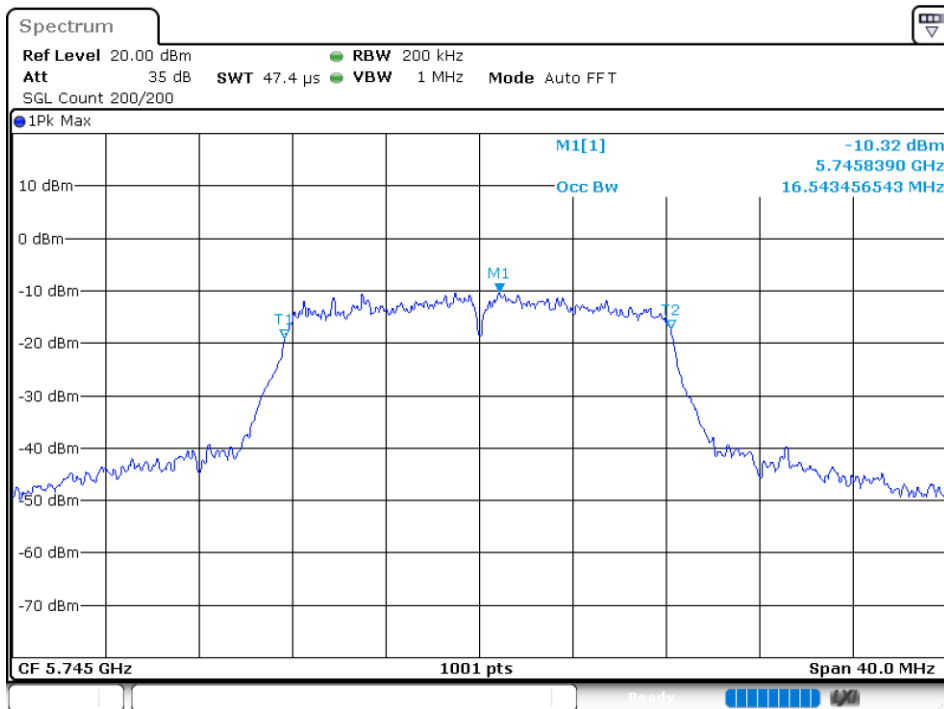
EBW NVNT 802.11n(HT40) 5795MHz Ant1



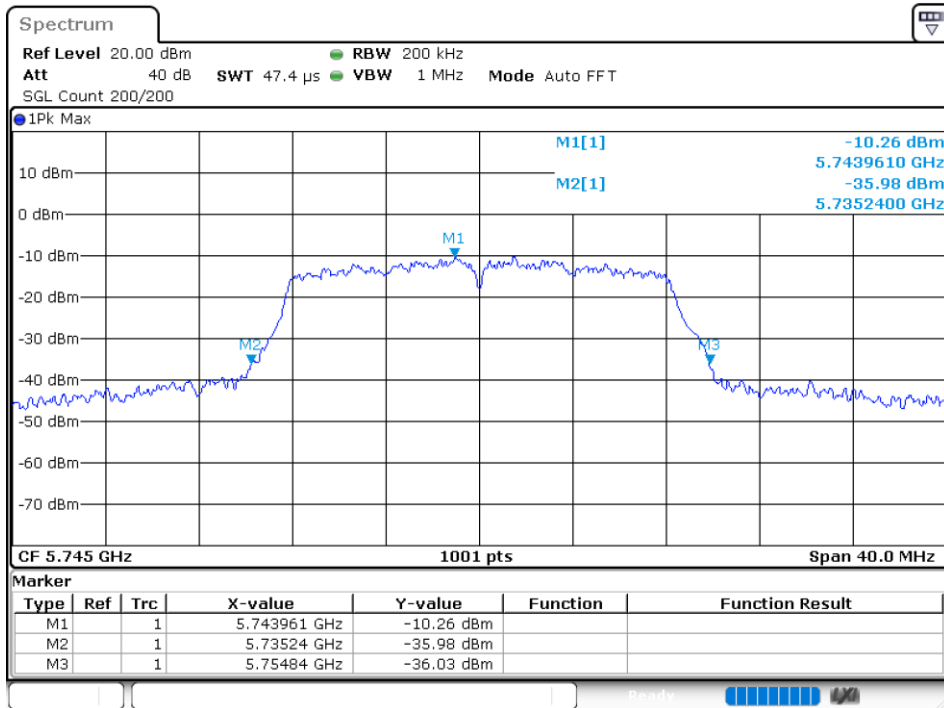
**Occupied Channel Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	16.5435	19.6	Pass
NVNT	802.11a	5785	Ant 1	16.5834	19.72	Pass
NVNT	802.11a	5825	Ant 1	16.5834	20.52	Pass
NVNT	802.11n(HT20)	5745	Ant 1	17.5824	19.6	Pass
NVNT	802.11n(HT20)	5785	Ant 1	17.6224	19.64	Pass
NVNT	802.11n(HT20)	5825	Ant 1	17.5824	19.76	Pass
NVNT	802.11n(HT40)	5755	Ant 1	36.044	39.92	Pass
NVNT	802.11n(HT40)	5795	Ant 1	36.1239	40.64	Pass

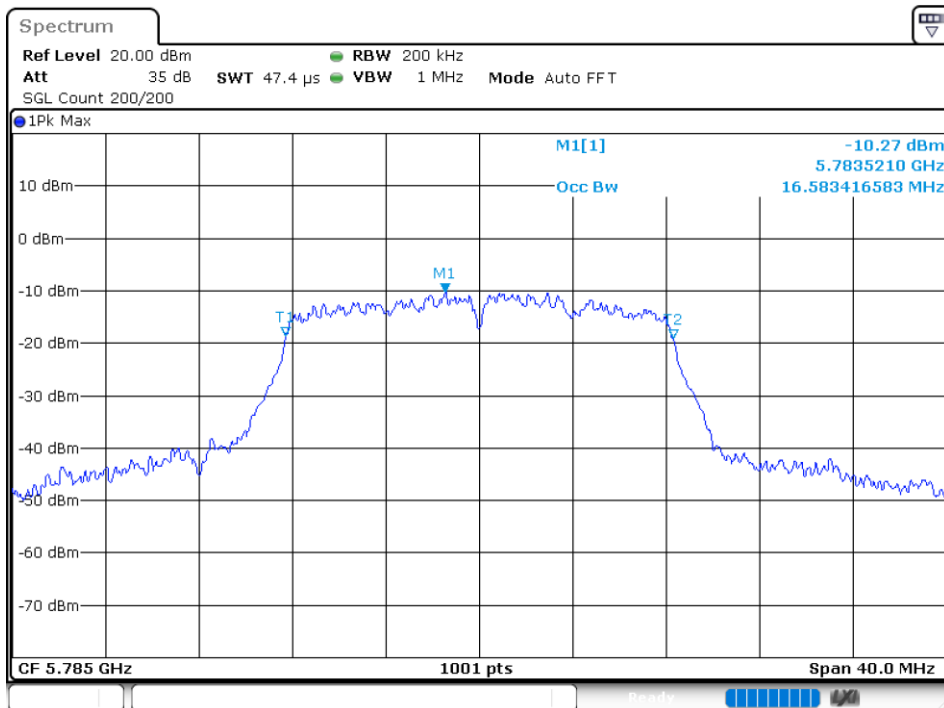
OBW NVNT 802.11a 5745MHz Ant1



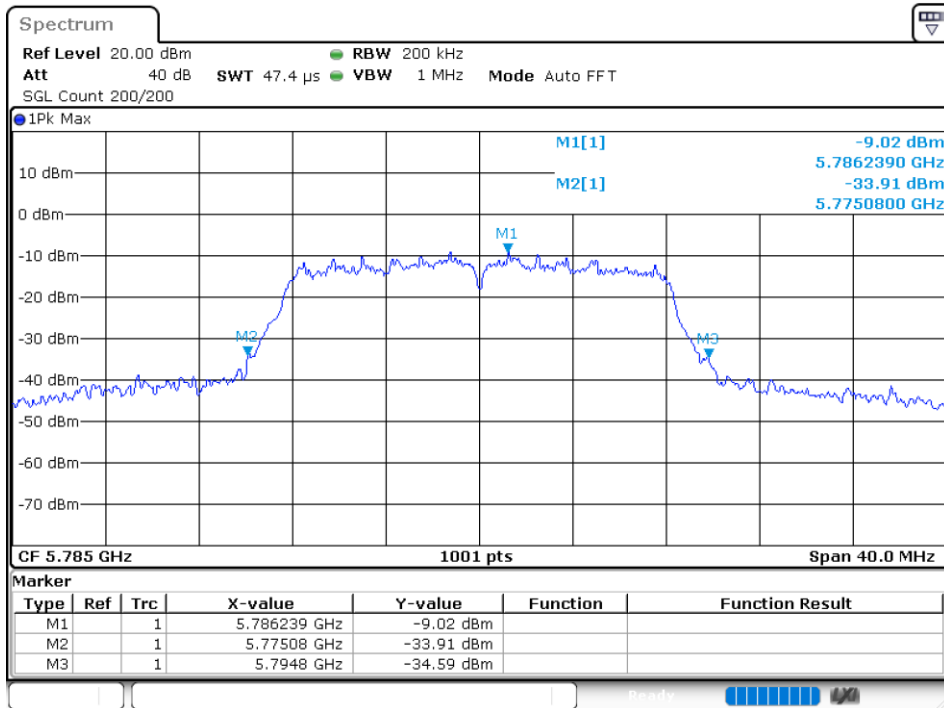
-26 dB BW NVNT 802.11a 5745MHz Ant1



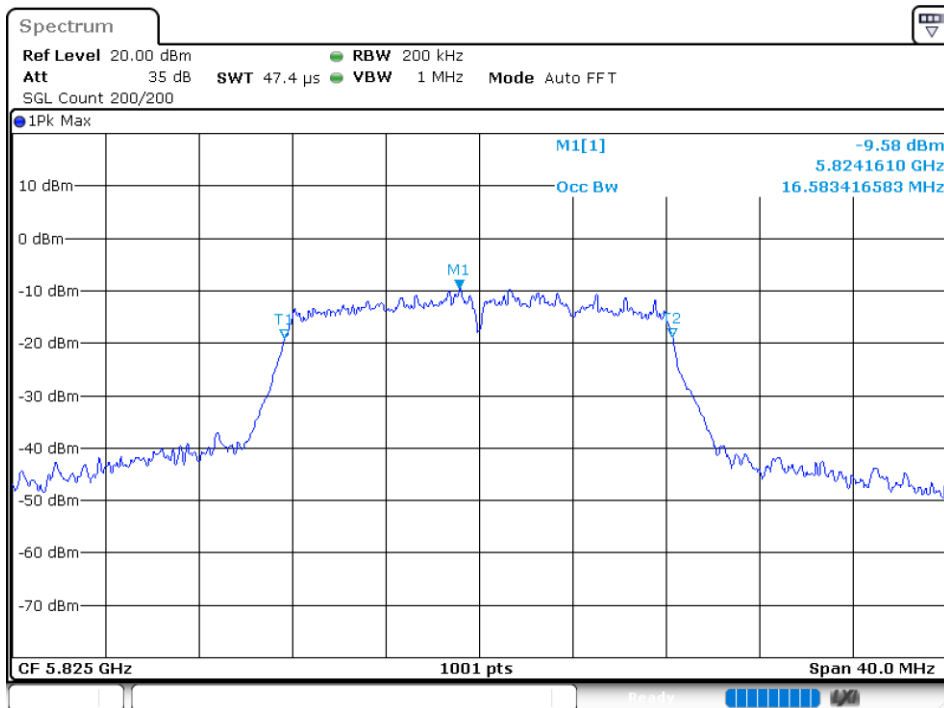
OBW NVNT 802.11a 5785MHz Ant1



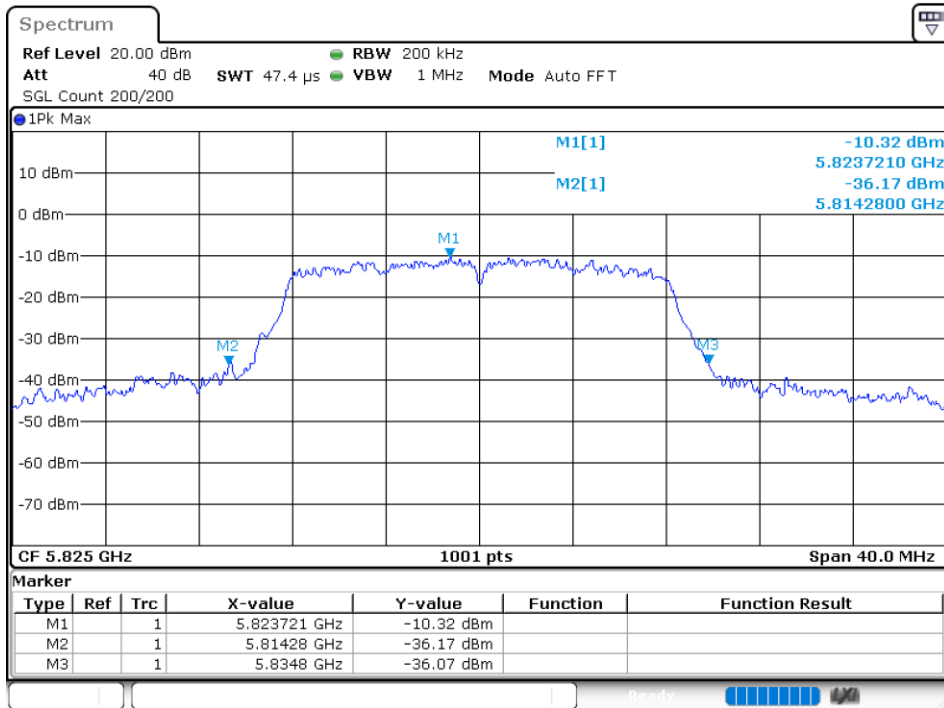
-26 dB BW NVNT 802.11a 5785MHz Ant1



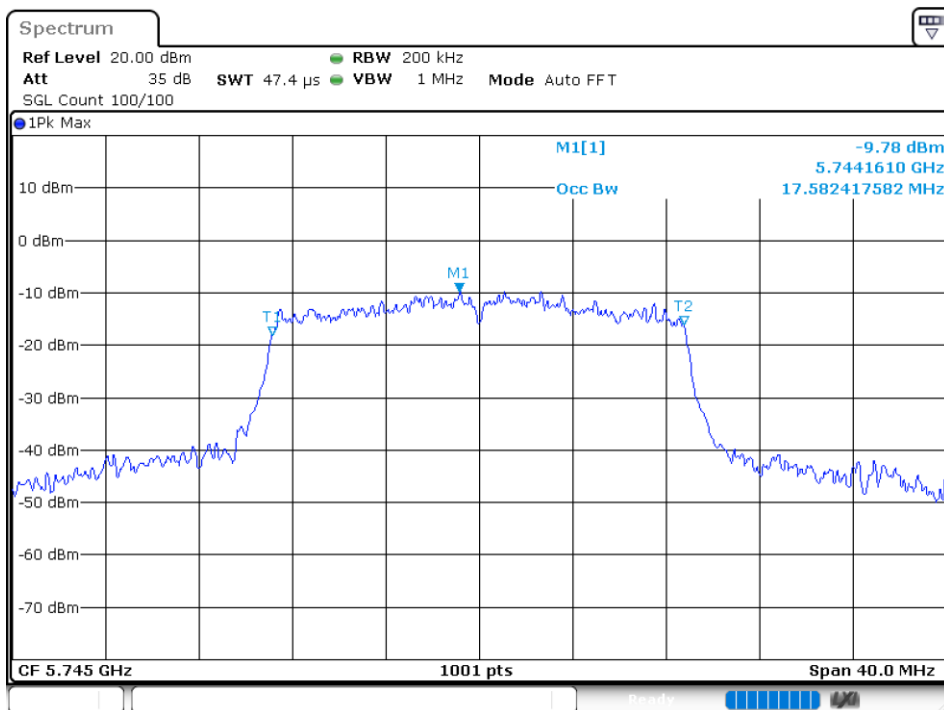
OBW NVNT 802.11a 5825MHz Ant1



-26 dB BW NVNT 802.11a 5825MHz Ant1

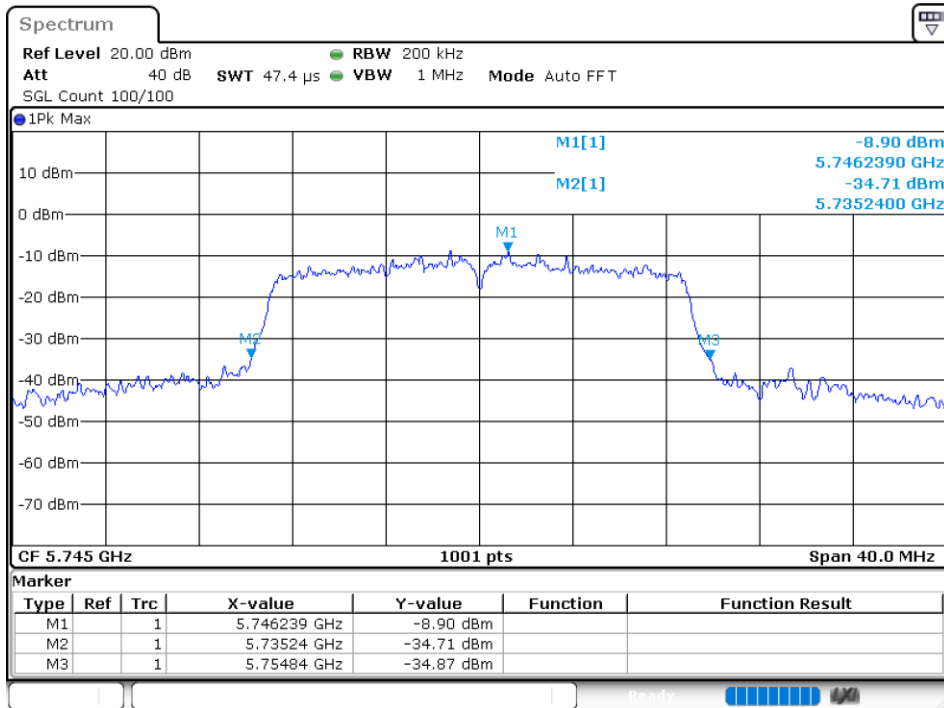


OBW NVNT 802.11n(HT20) 5745MHz Ant1

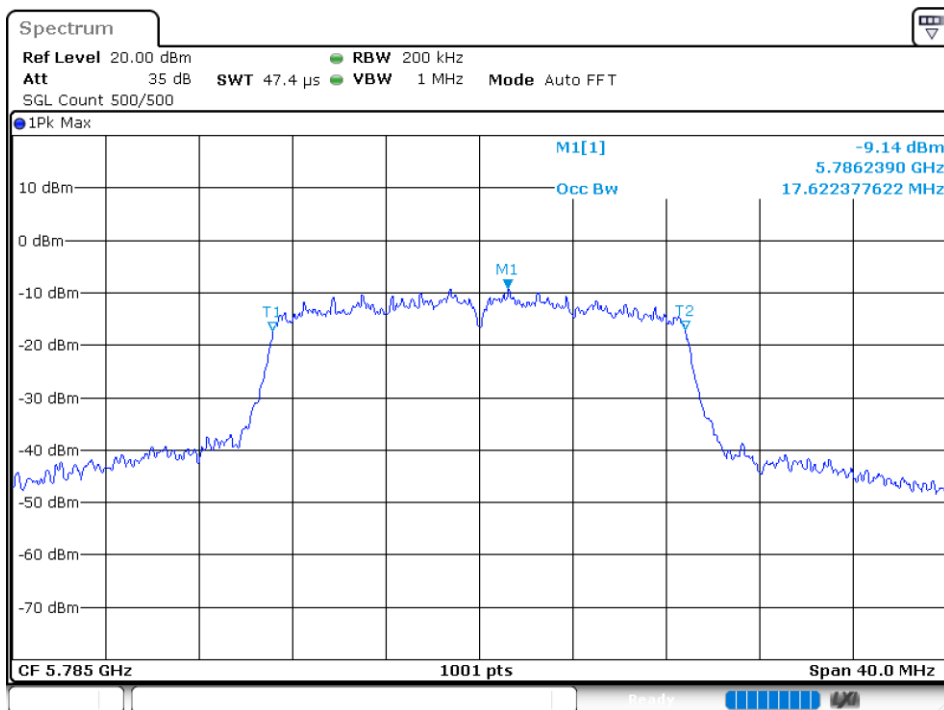


-26 dB BW NVNT 802.11n(HT20) 5745MHz Ant1

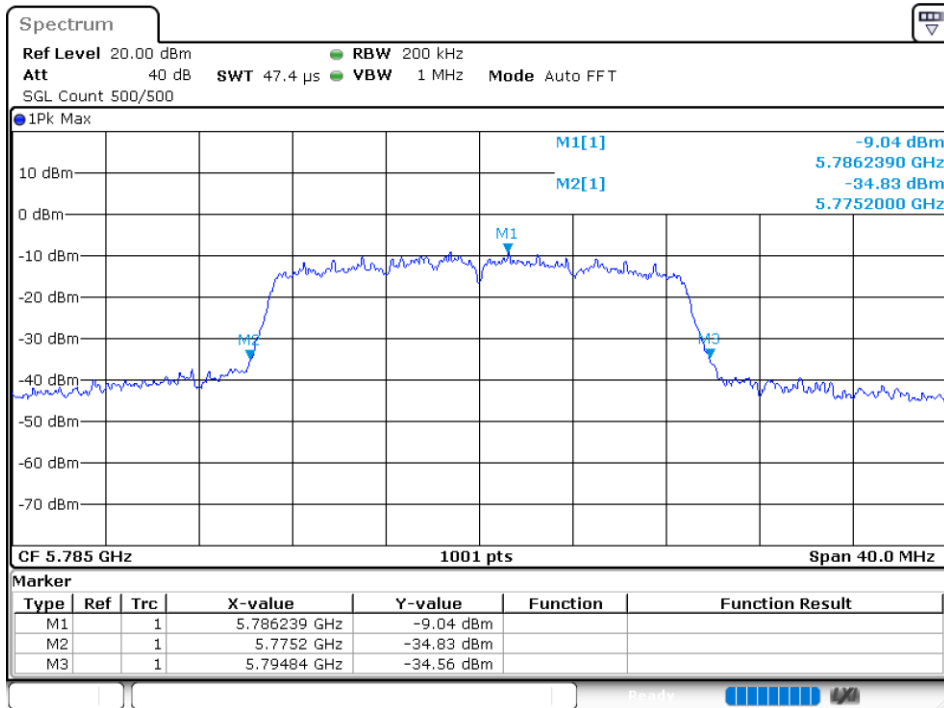




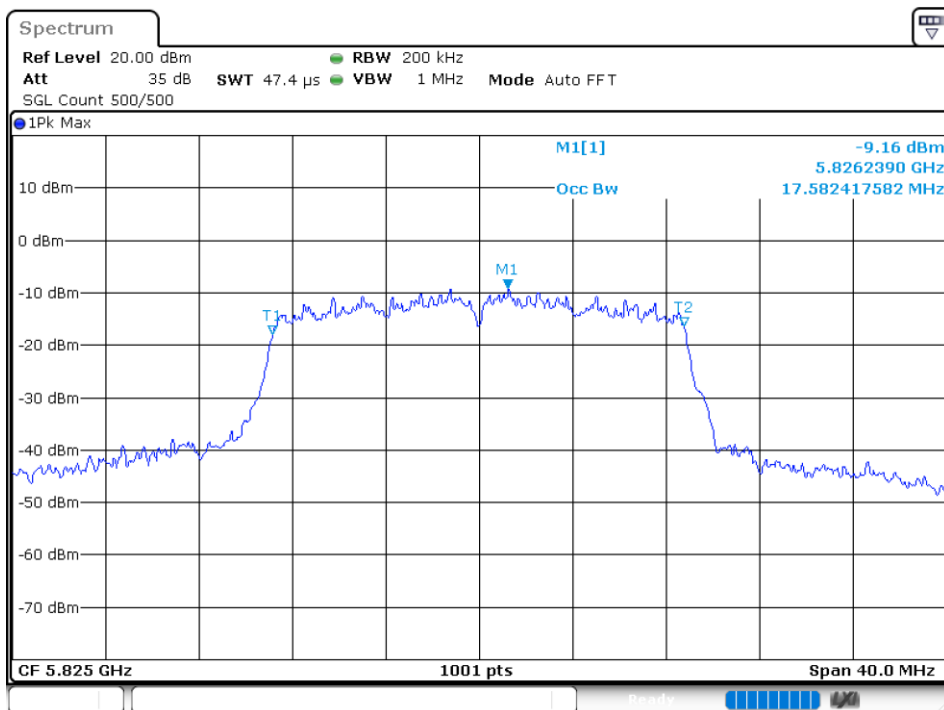
OBW NVNT 802.11n(HT20) 5785MHz Ant1



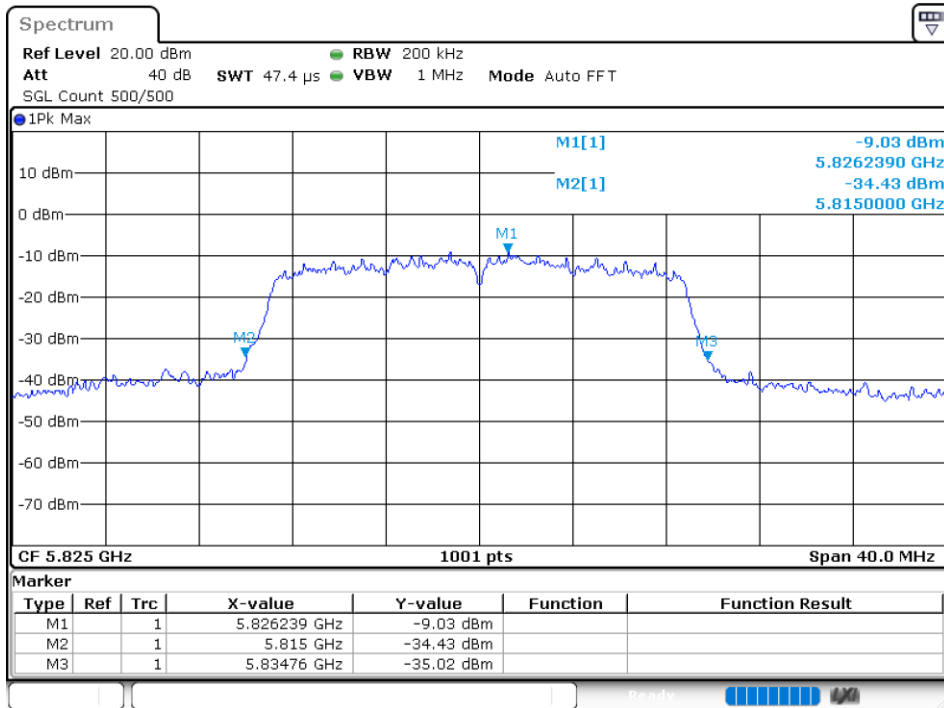
-26 dB BW NVNT 802.11n(HT20) 5785MHz Ant1



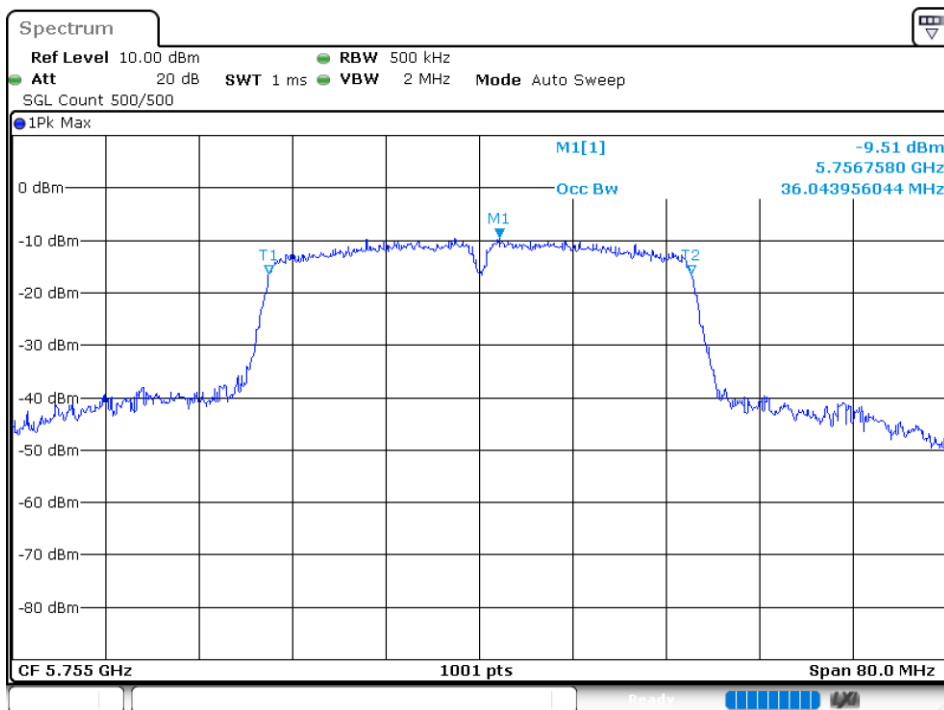
OBW NVNT 802.11n(HT20) 5825MHz Ant1



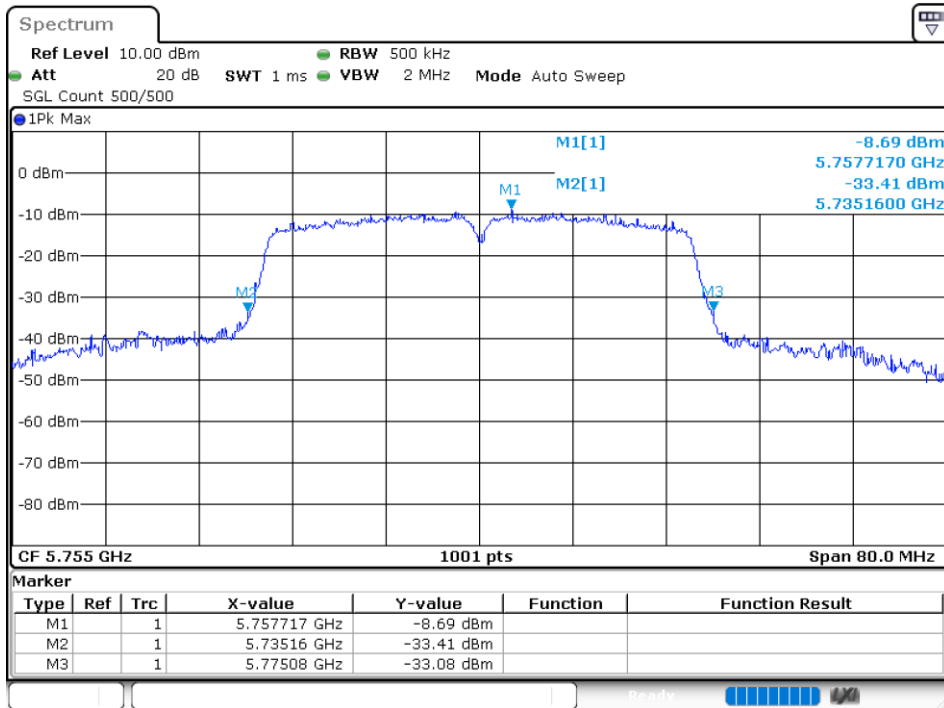
-26 dB BW NVNT 802.11n(HT20) 5825MHz Ant1



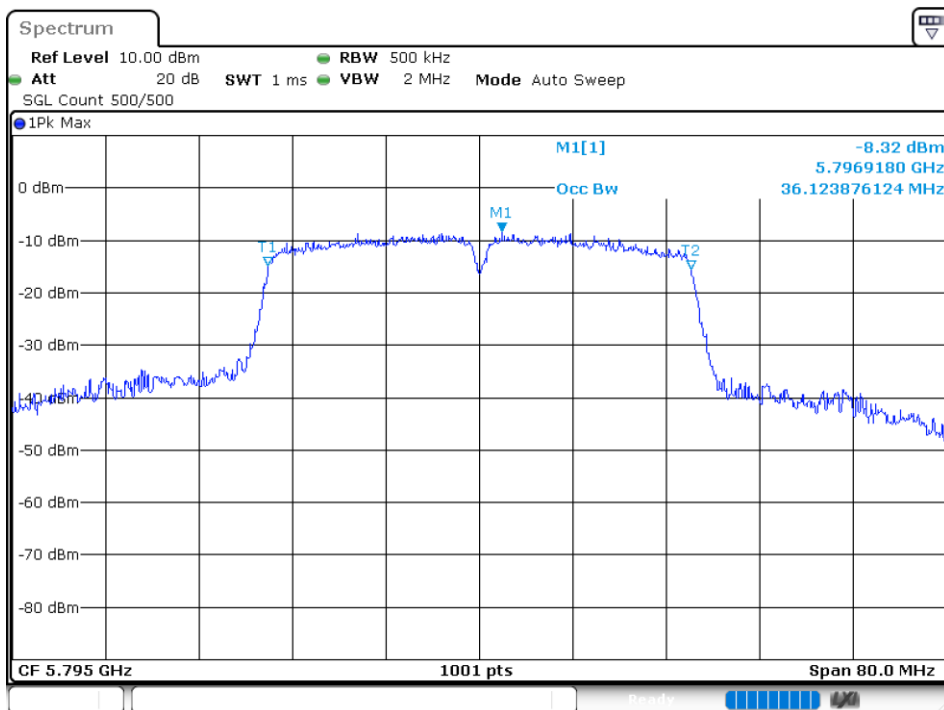
OBW NVNT 802.11n(HT40) 5755MHz Ant1



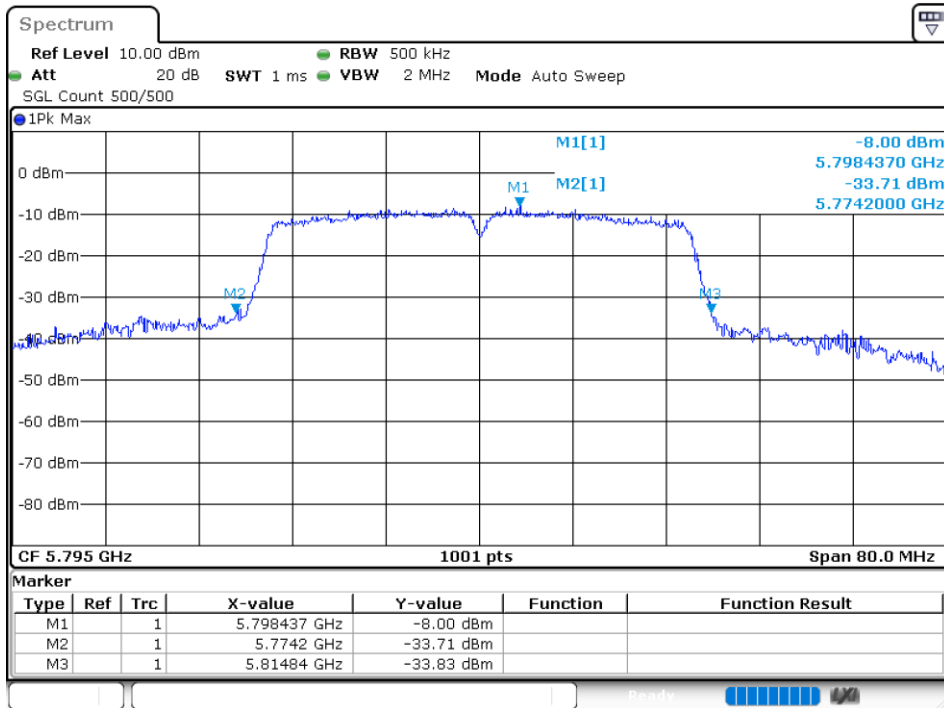
-26 dB BW NVNT 802.11n(HT40) 5755MHz Ant1



OBW NVNT 802.11n(HT40) 5795MHz Ant1



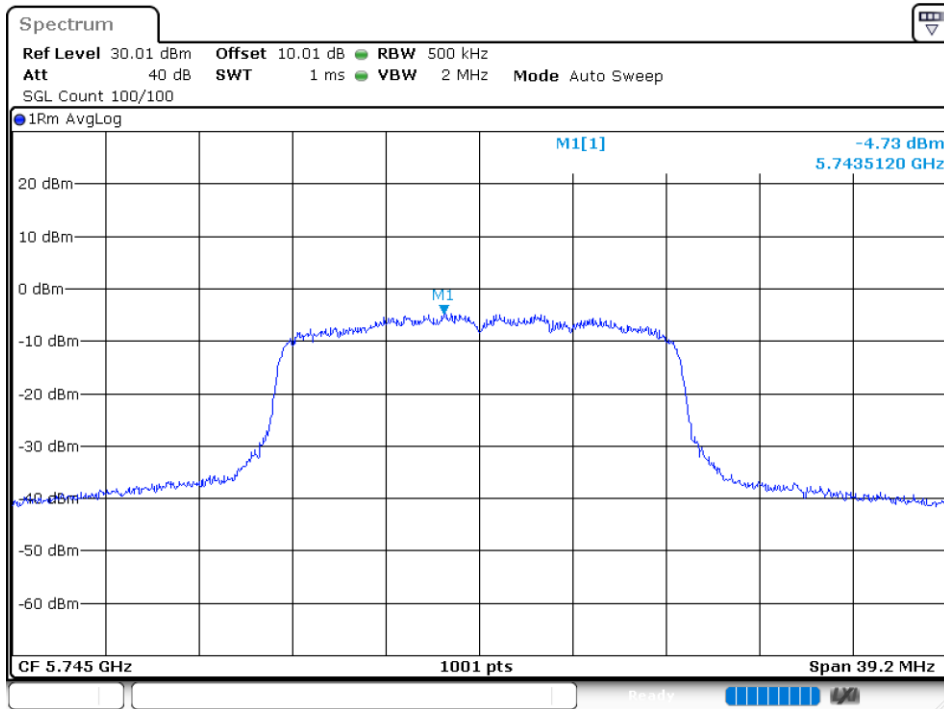
-26 dB BW NVNT 802.11n(HT40) 5795MHz Ant1



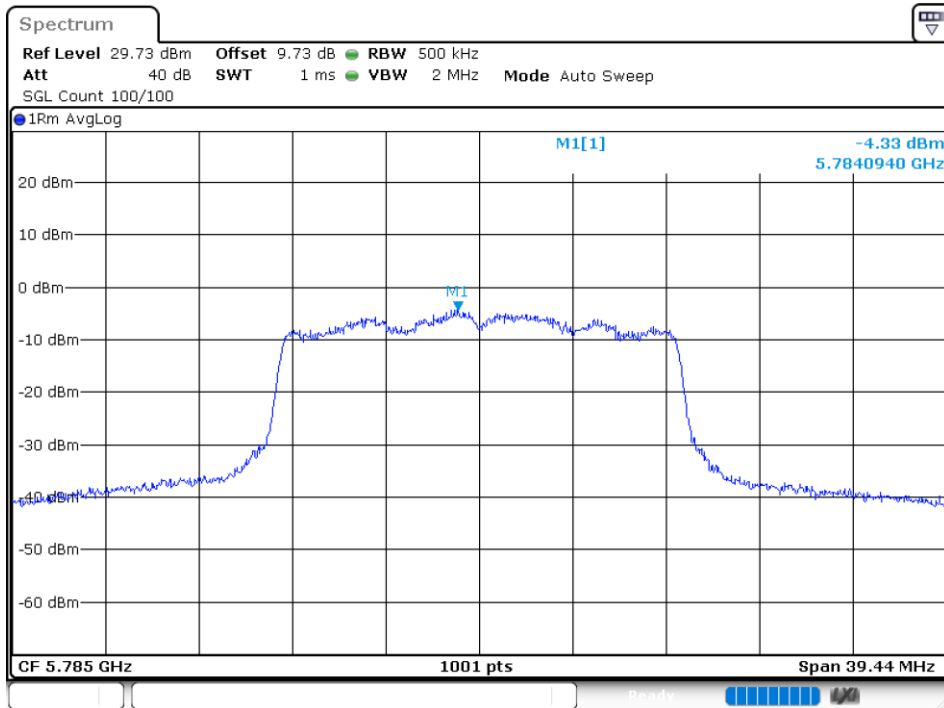
**Maximum Power Spectral Density Level**

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	-4.727	30	Pass
NVNT	802.11a	5785	Ant 1	-4.33	30	Pass
NVNT	802.11a	5825	Ant 1	-4.28	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	-4.151	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	-5.547	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	-5.41	30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-9.761	30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-8.888	30	Pass

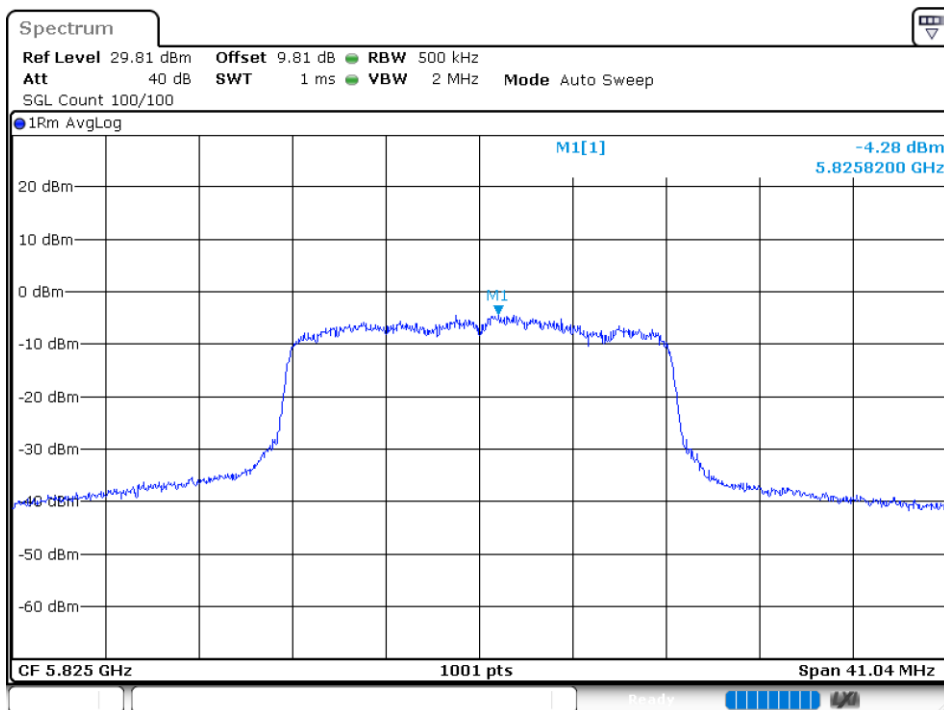
PSD NVNT 802.11a 5745MHz Ant1



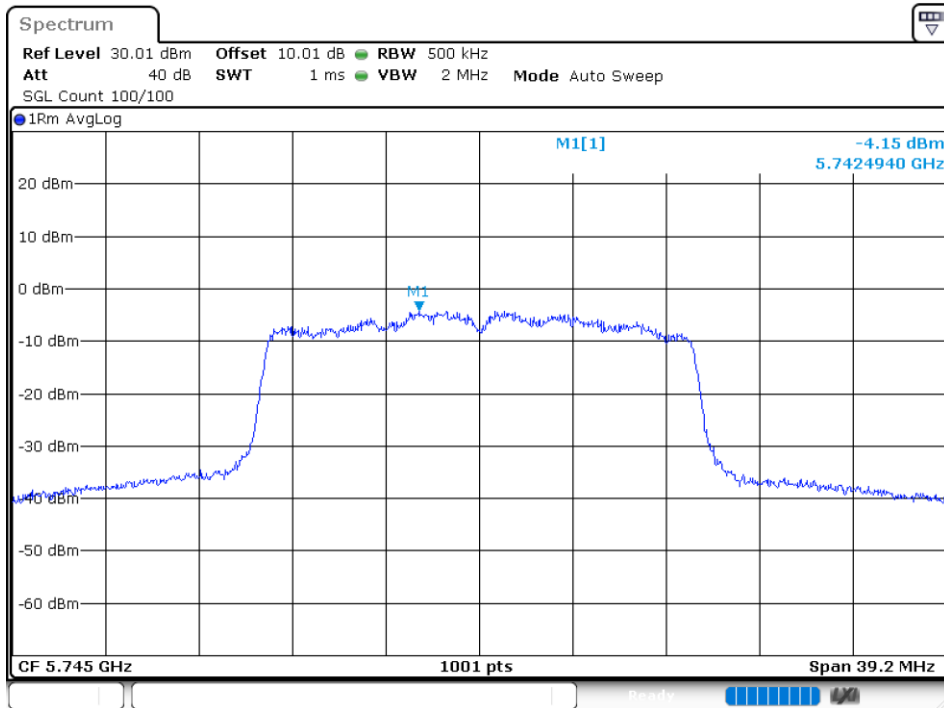
PSD NVNT 802.11a 5785MHz Ant1



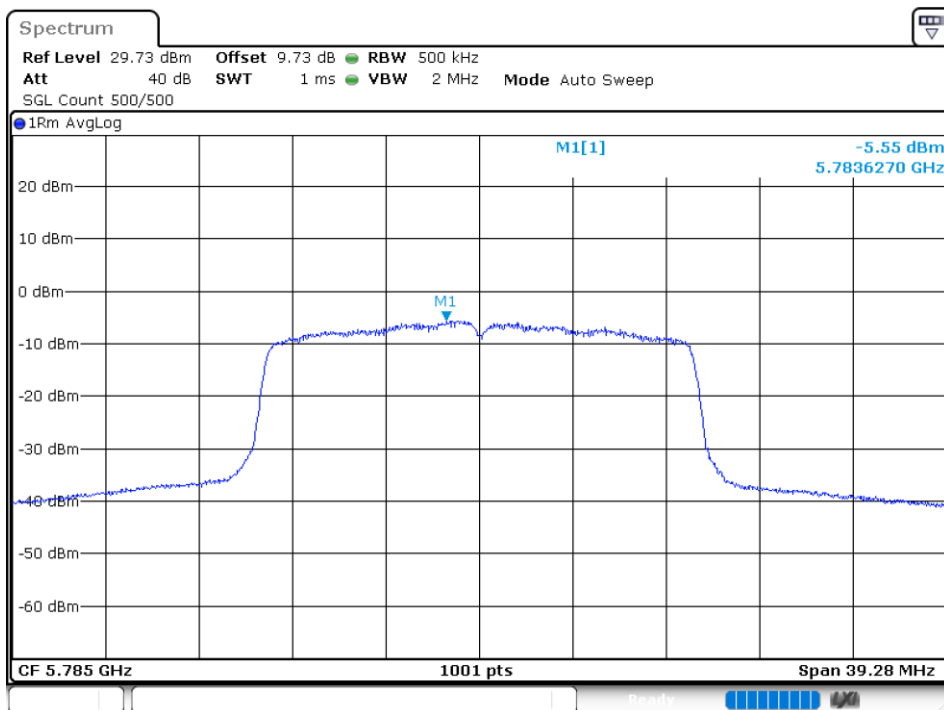
PSD NVNT 802.11a 5825MHz Ant1



PSD NVNT 802.11n(HT20) 5745MHz Ant1

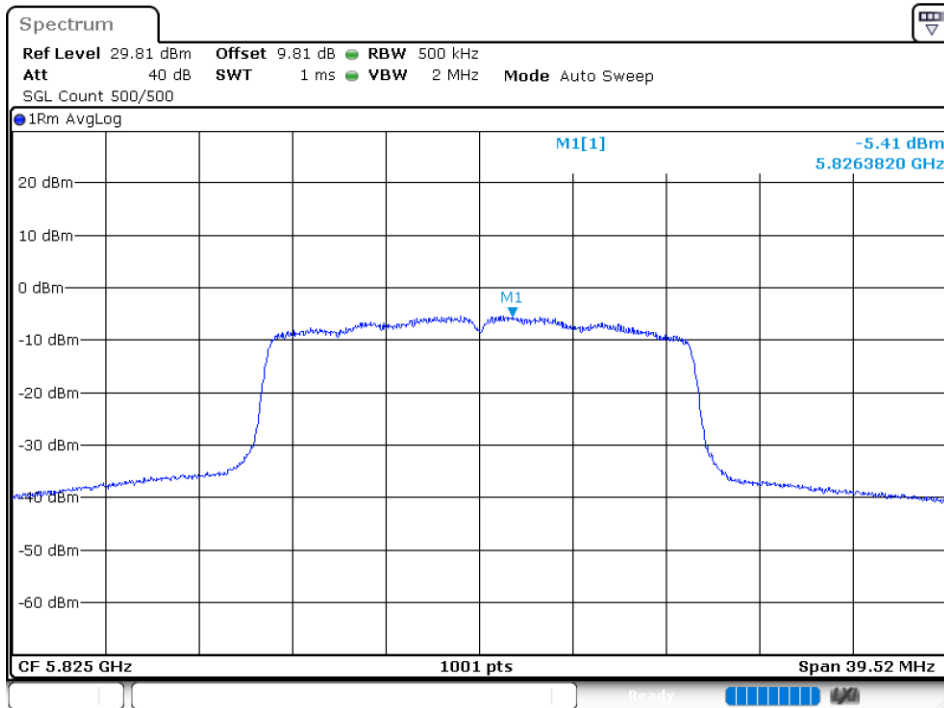


PSD NVNT 802.11n(HT20) 5785MHz Ant1

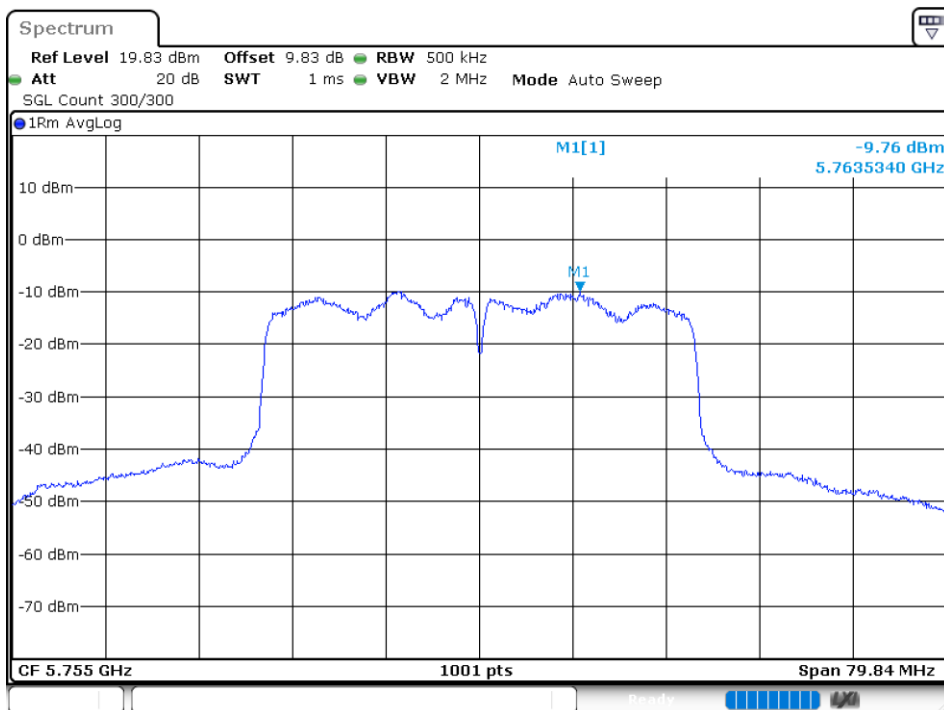


PSD NVNT 802.11n(HT20) 5825MHz Ant1

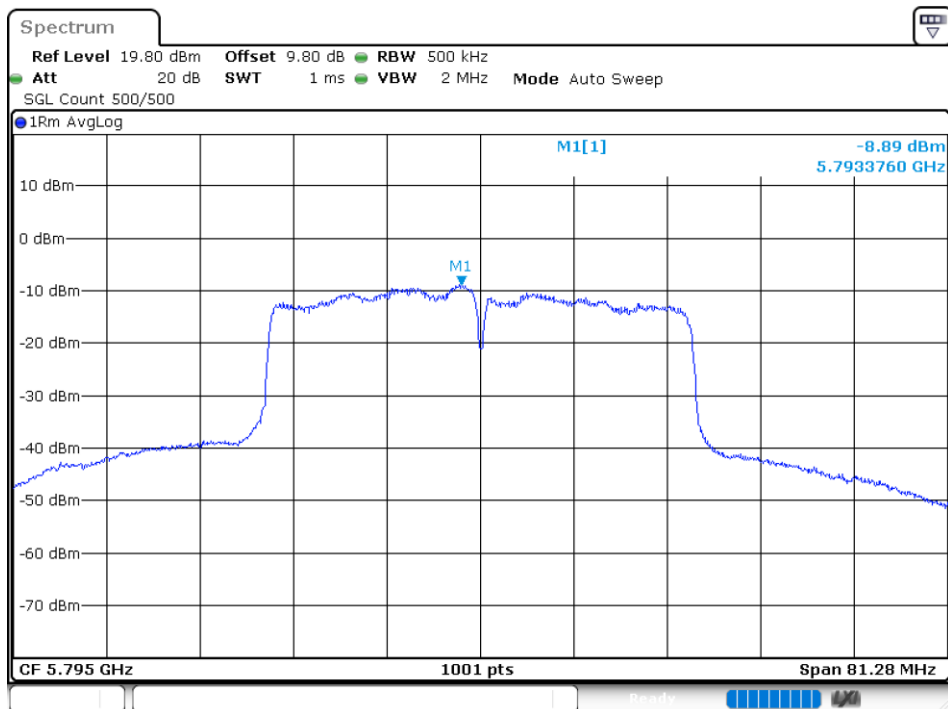




PSD NVNT 802.11n(HT40) 5755MHz Ant1



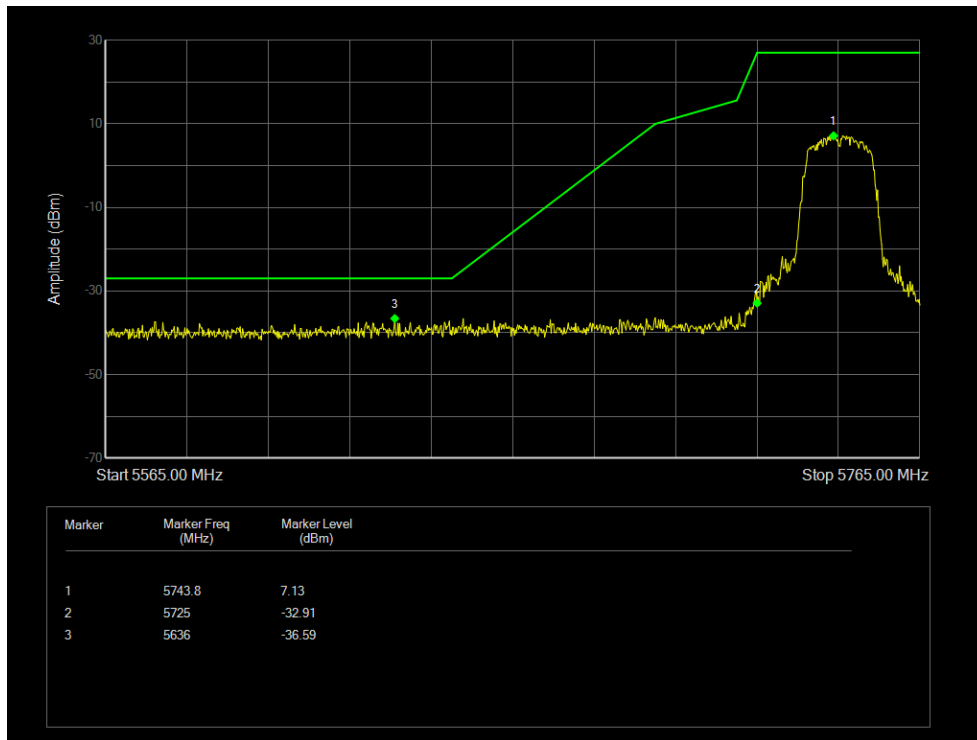
PSD NVNT 802.11n(HT40) 5795MHz Ant1



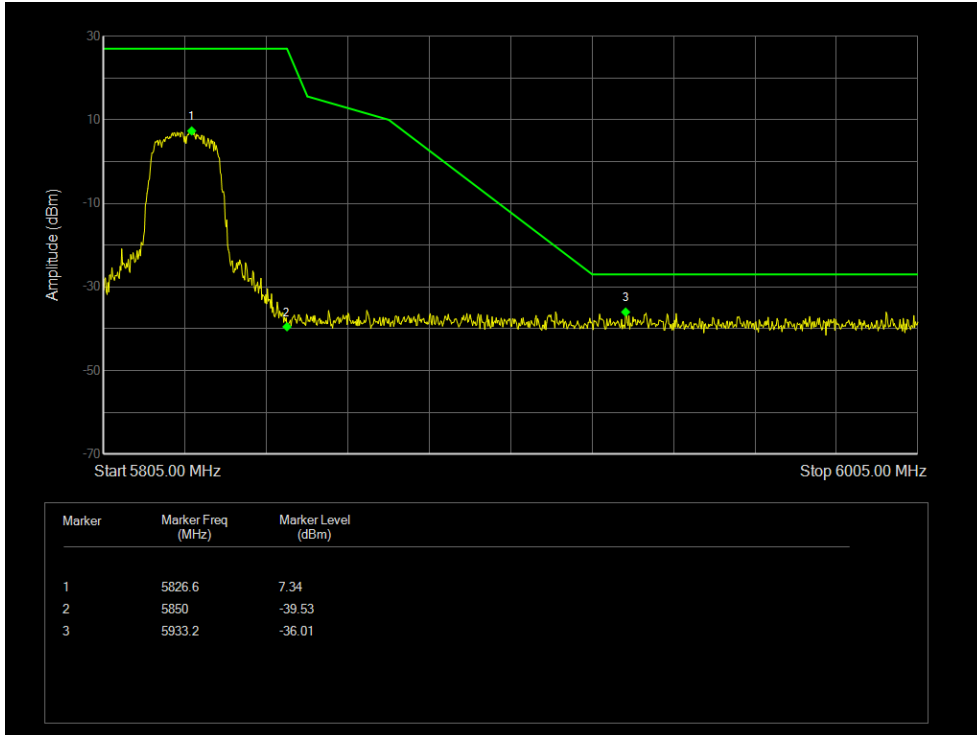
**Band Edge**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	-36.59	-27	Pass
NVNT	802.11a	5825	Ant 1	-36.01	-27	Pass
NVNT	802.11n(HT20)	5745	Ant 1	-36.82	-27	Pass
NVNT	802.11n(HT20)	5825	Ant 1	-36.4	-27	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-37.72	-27	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-36.06	-27	Pass

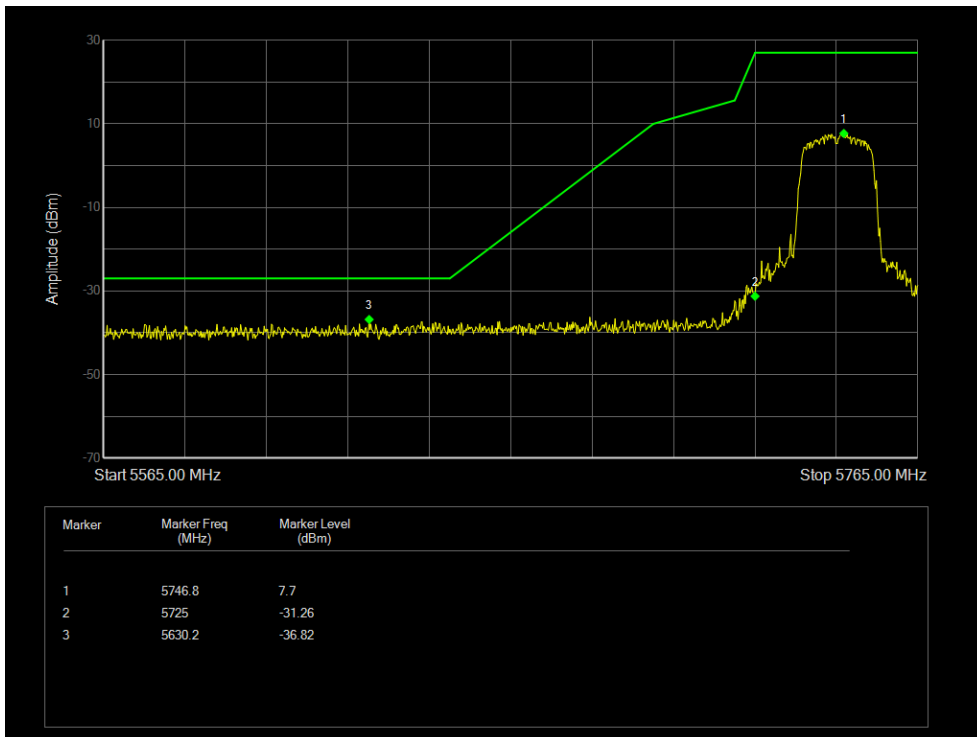
Band Edge NVNT 802.11a 5745MHz Low Ant1



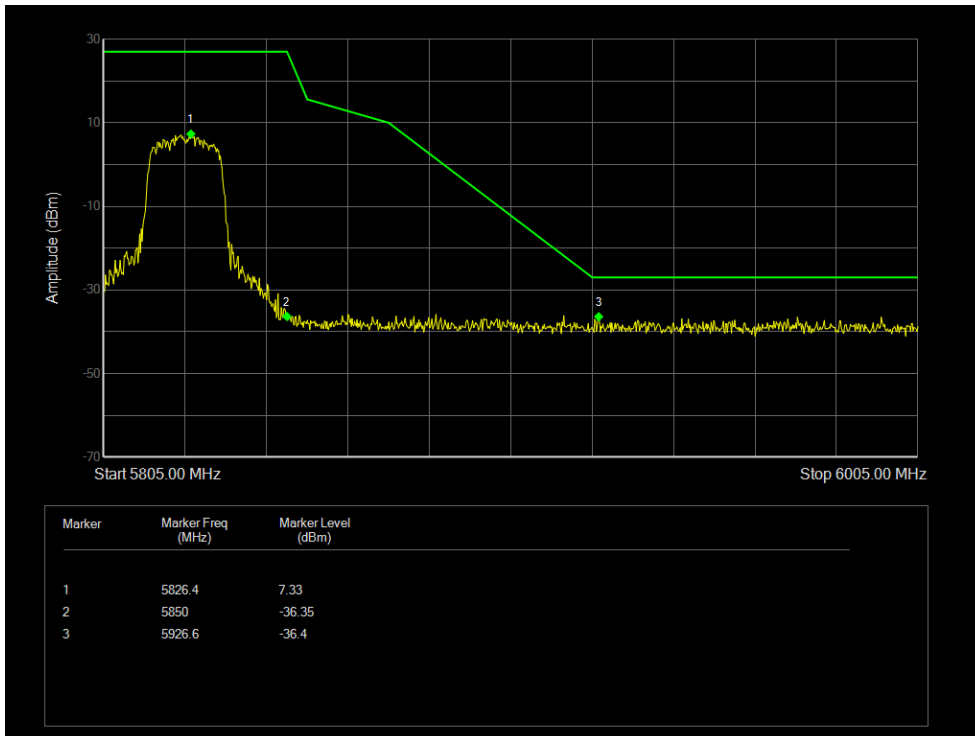
Band Edge NVNT 802.11a 5825MHz High Ant1



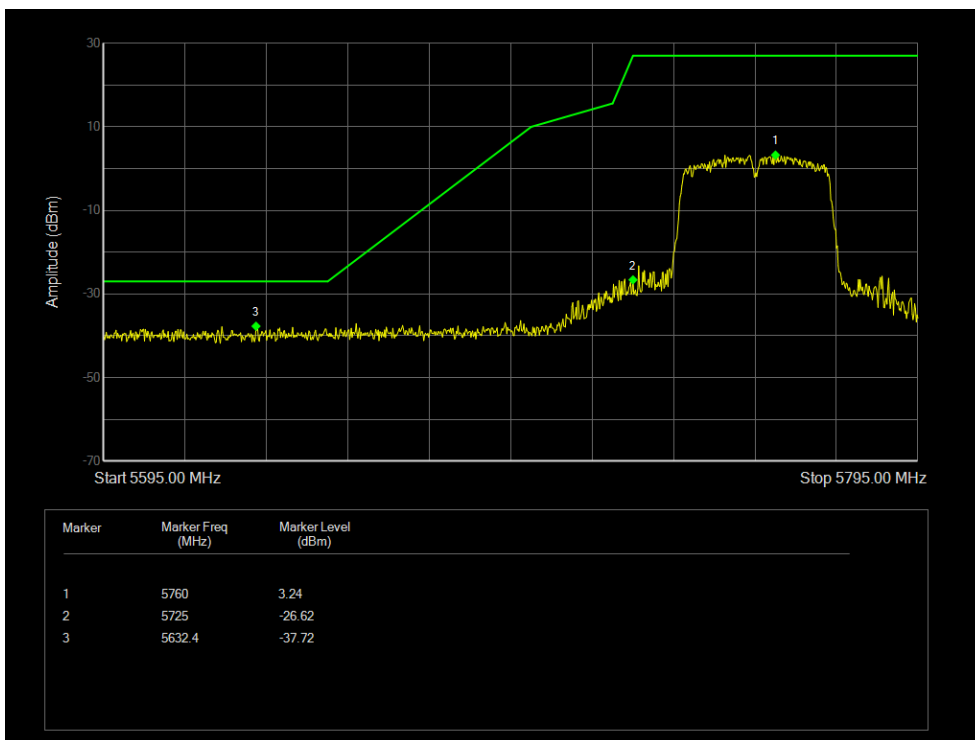
Band Edge NVNT 802.11n(HT20) 5745MHz Low Ant1



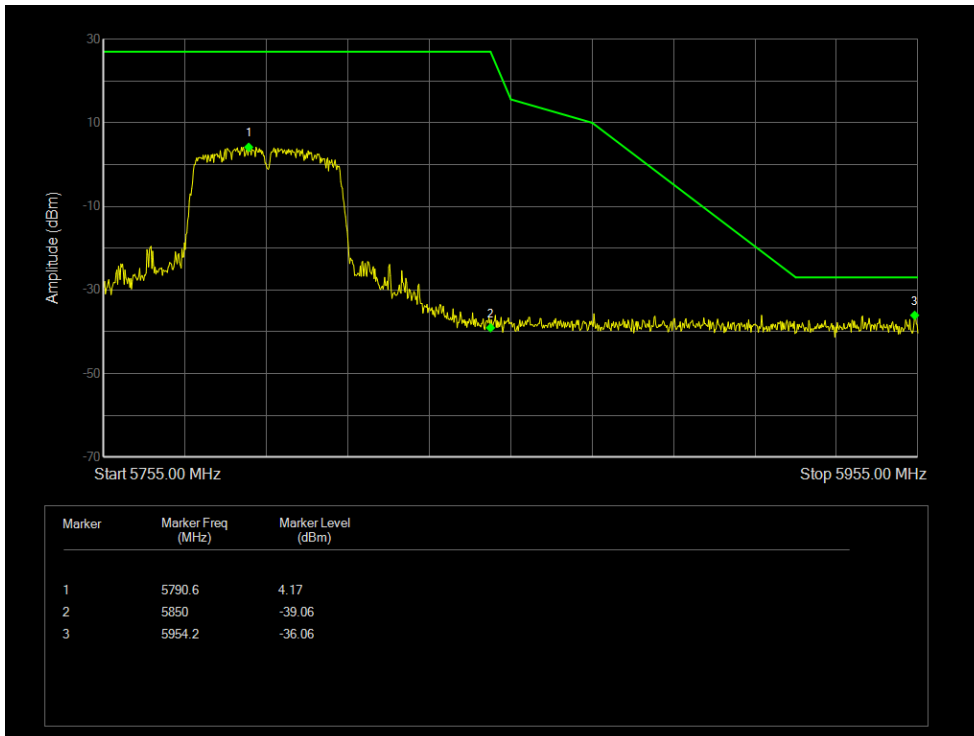
Band Edge NVNT 802.11n(HT20) 5825MHz High Ant1



Band Edge NVNT 802.11n(HT40) 5755MHz Low Ant1



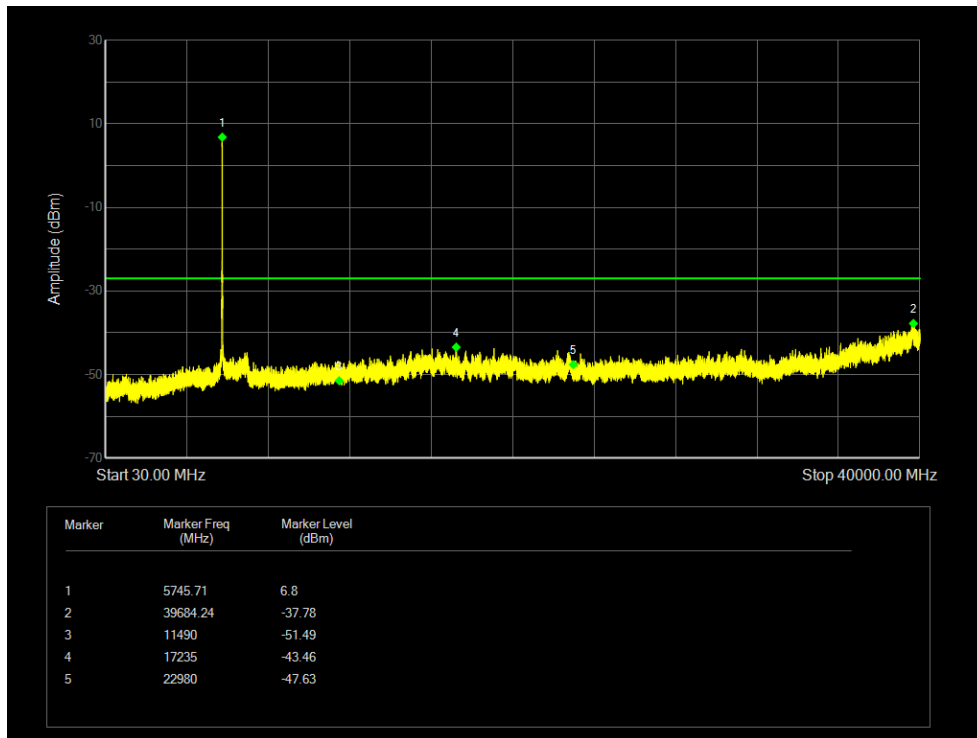
Band Edge NVNT 802.11n(HT40) 5795MHz High Ant1



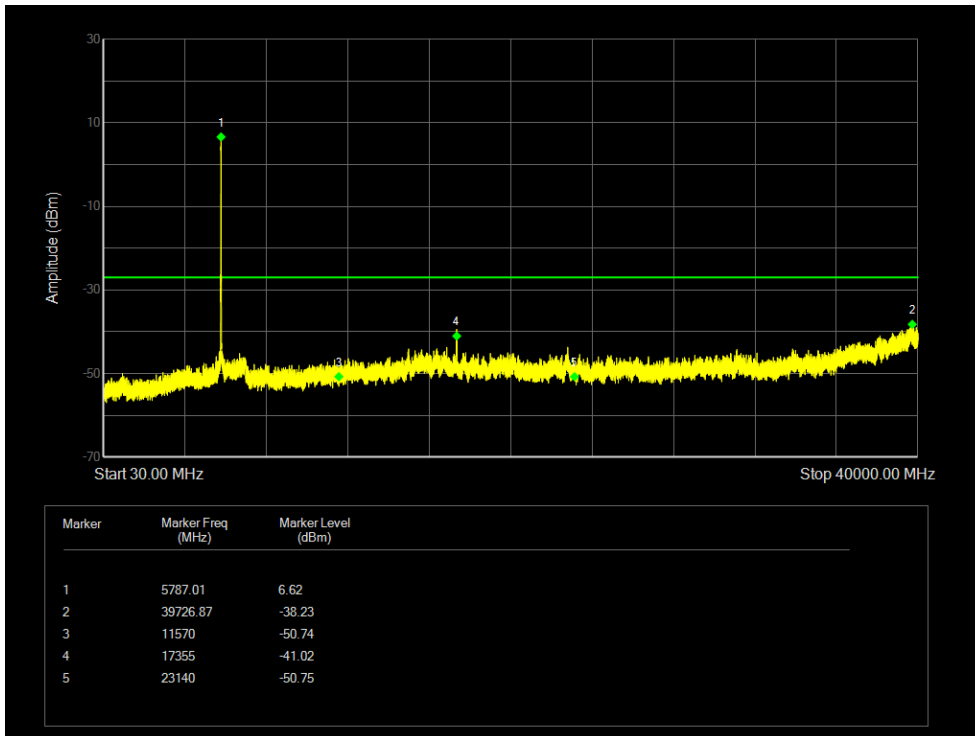
**Conducted RF Spurious Emission**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5745	Ant 1	-37.78	-27	Pass
NVNT	802.11a	5785	Ant 1	-38.23	-27	Pass
NVNT	802.11a	5825	Ant 1	-37.62	-27	Pass
NVNT	802.11n(HT20)	5745	Ant 1	-37.9	-27	Pass
NVNT	802.11n(HT20)	5785	Ant 1	-37.29	-27	Pass
NVNT	802.11n(HT20)	5825	Ant 1	-37.5	-27	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-37.68	-27	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-38.42	-27	Pass

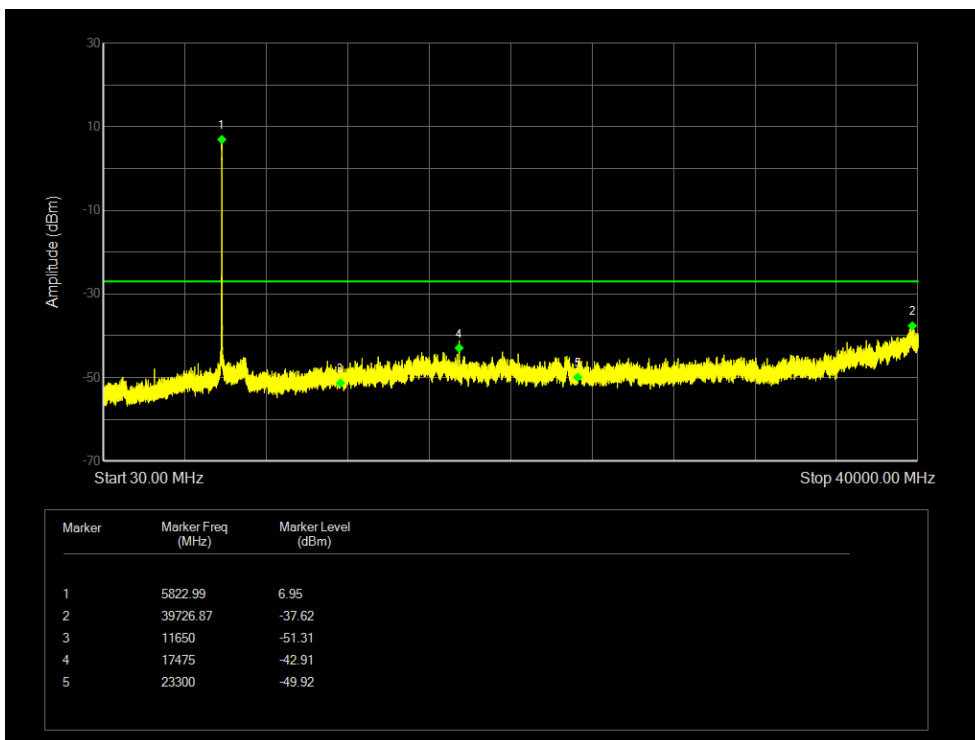
Tx. Spurious NVNT 802.11a 5745MHz Ant1 Emission



Tx. Spurious NVNT 802.11a 5785MHz Ant1 Emission

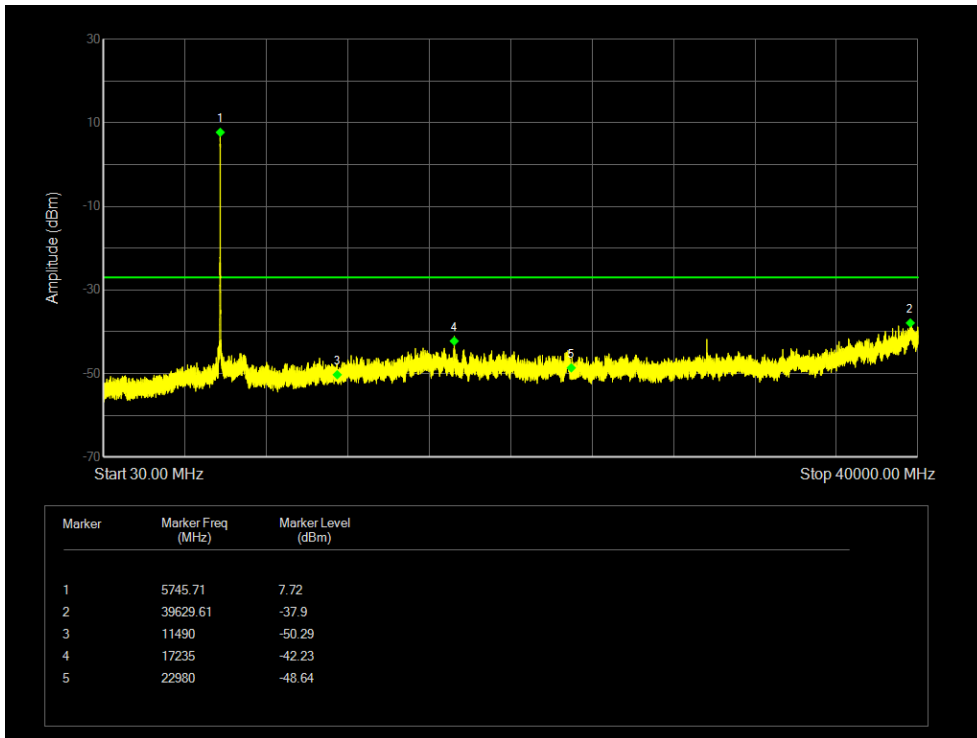


Tx. Spurious NVNT 802.11a 5825MHz Ant1 Emission

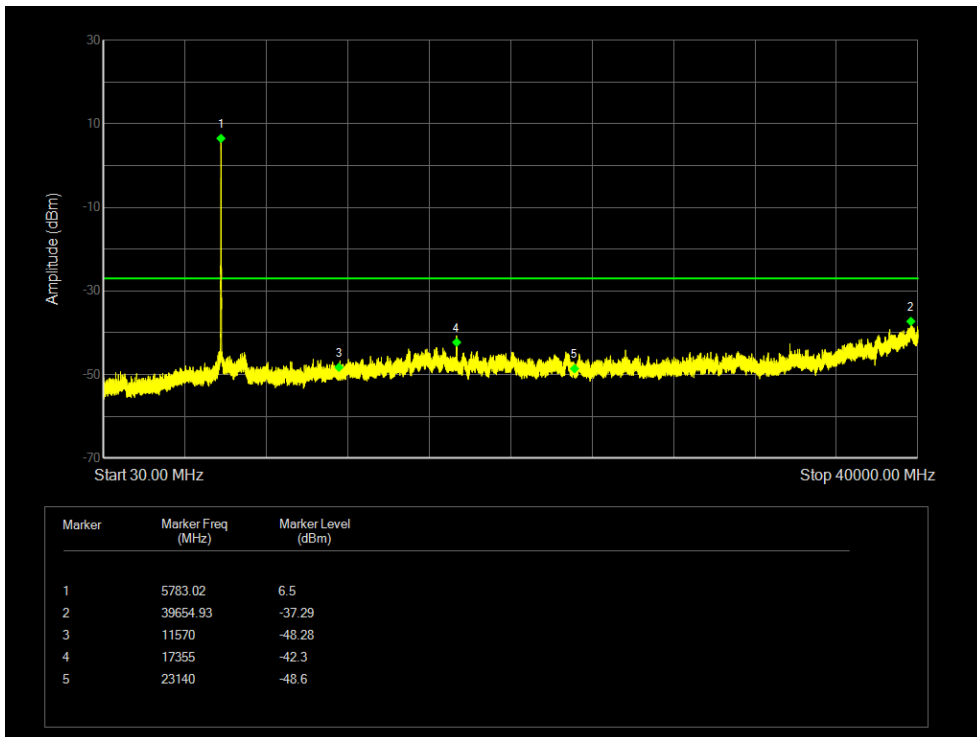


Tx. Spurious NVNT 802.11n(HT20) 5745MHz Ant1 Emission

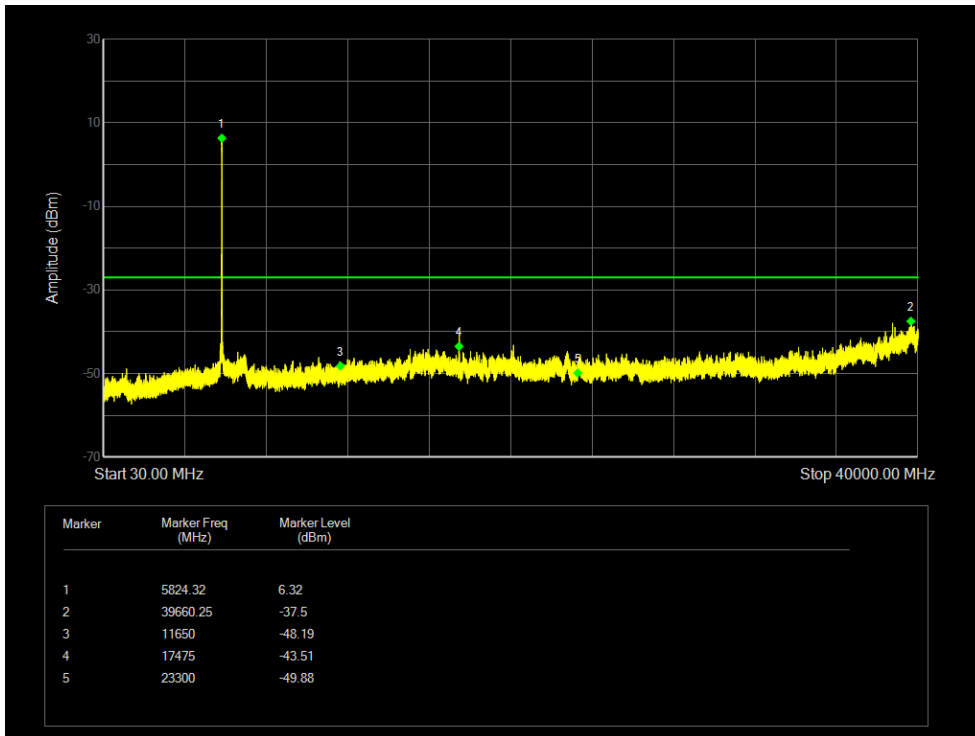




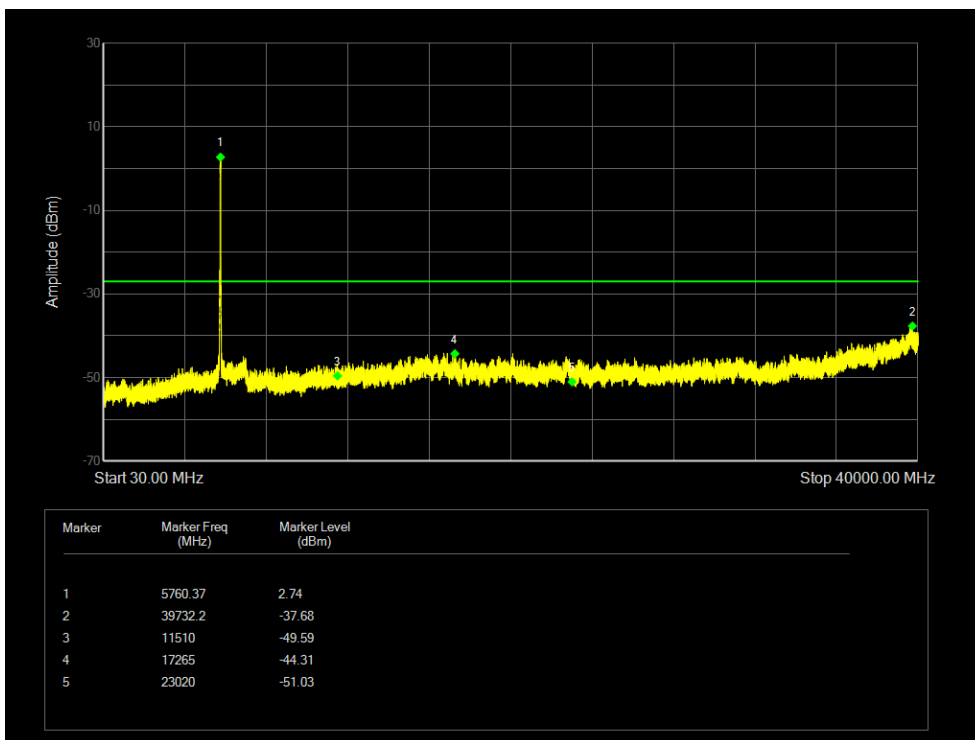
Tx. Spurious NVNT 802.11n(HT20) 5785MHz Ant1 Emission



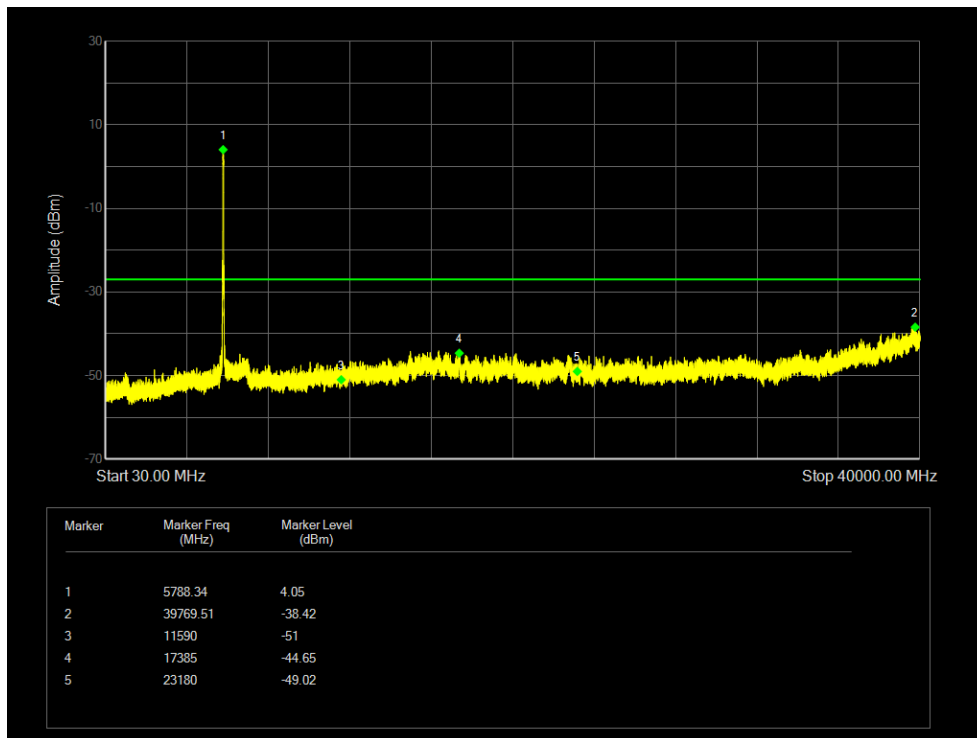
Tx. Spurious NVNT 802.11n(HT20) 5825MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5755MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5795MHz Ant1 Emission

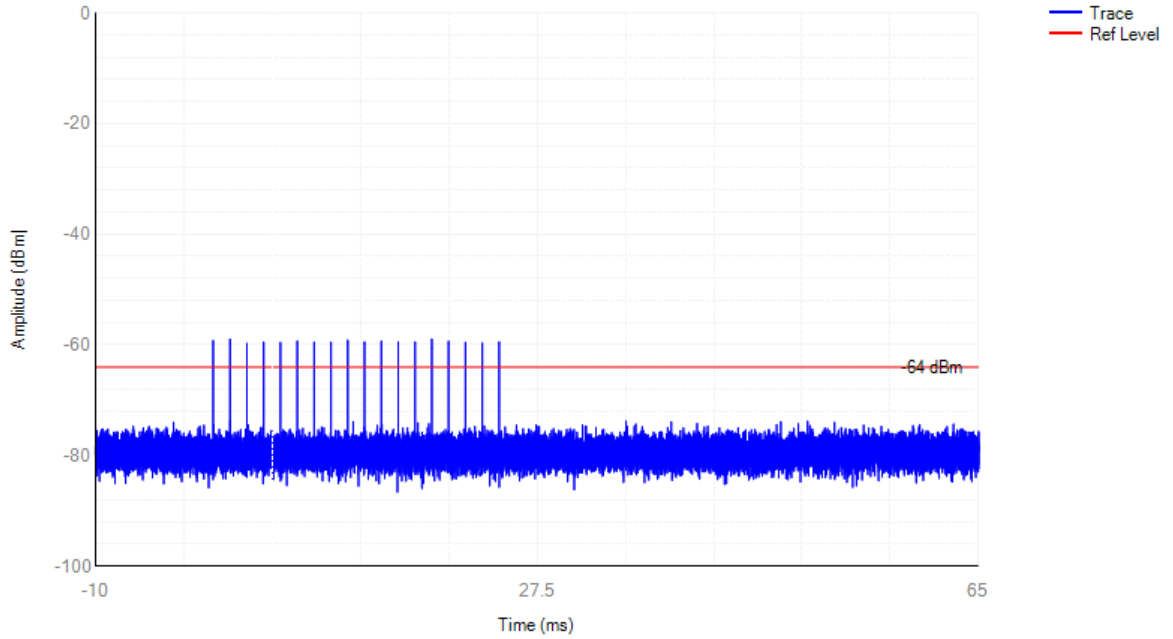


DFS

Calibration

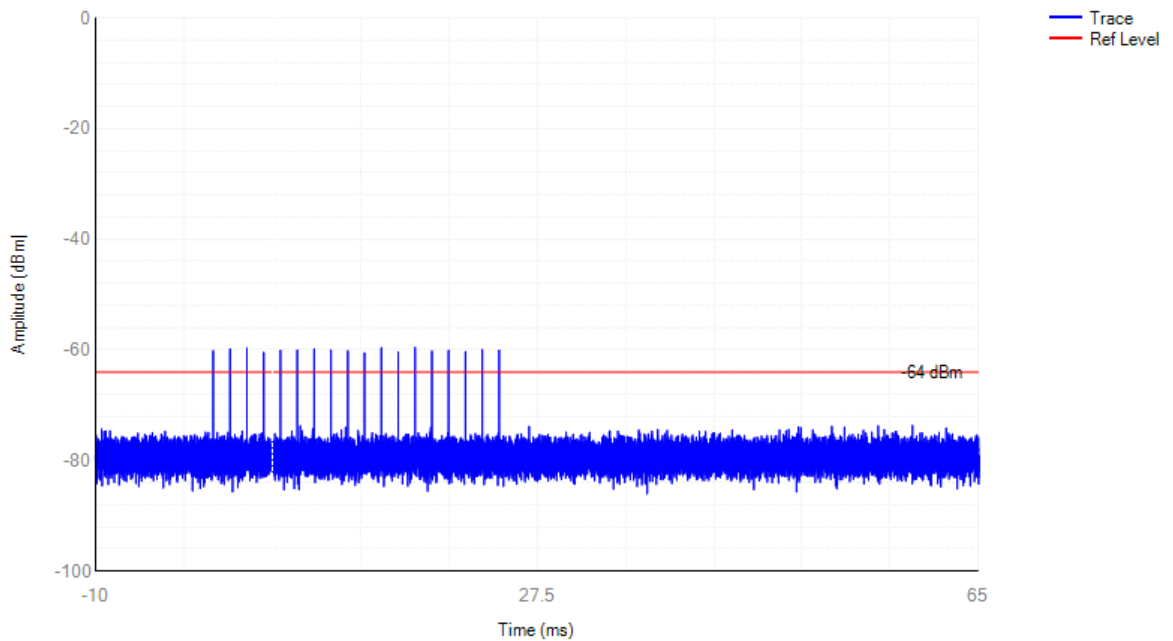
5310MHz n40 DFS\_FCC\_T0

Radar Calibration



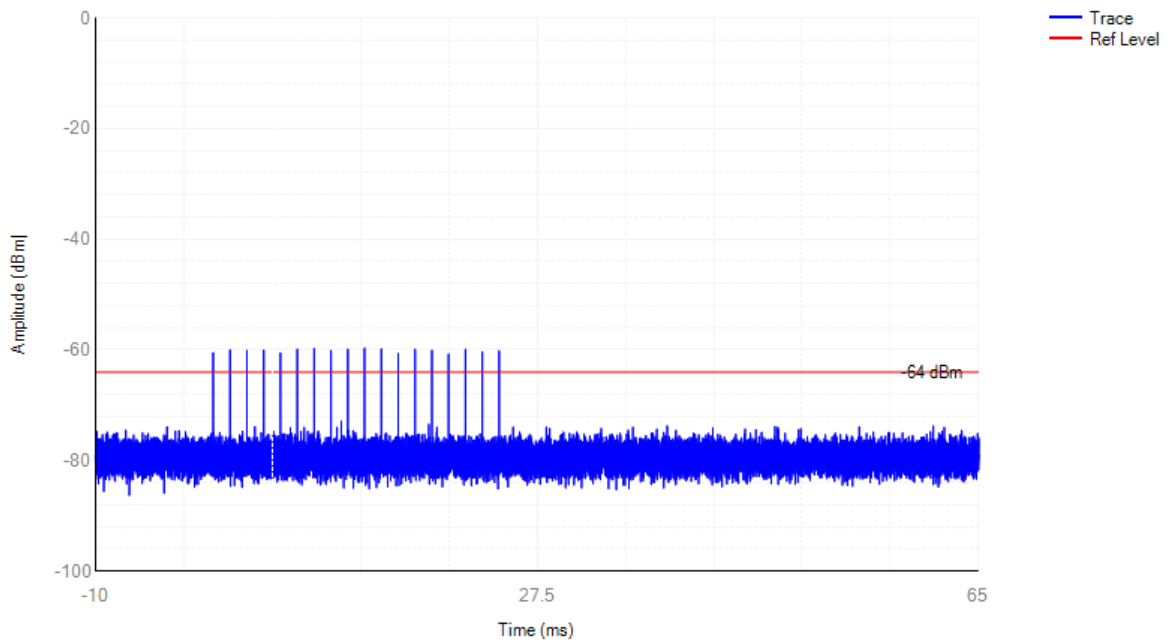
5510MHz n40 DFS\_FCC\_T0

Radar Calibration



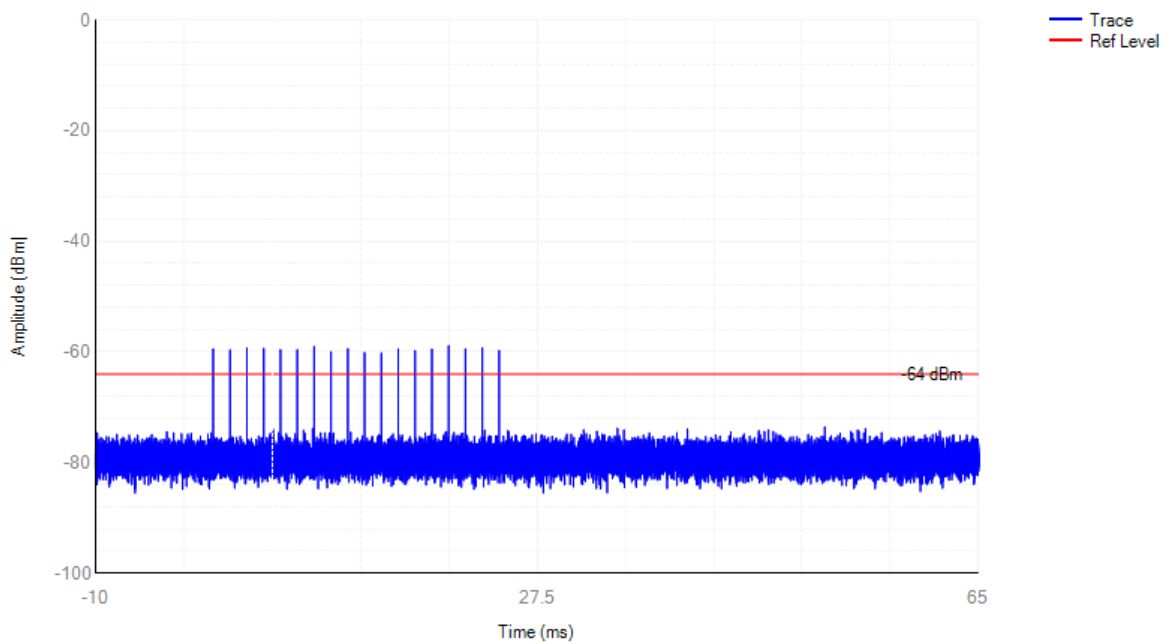
5320MHz a DFS\_FCC\_T0

### Radar Calibration



5500MHz a DFS\_FCC\_T0

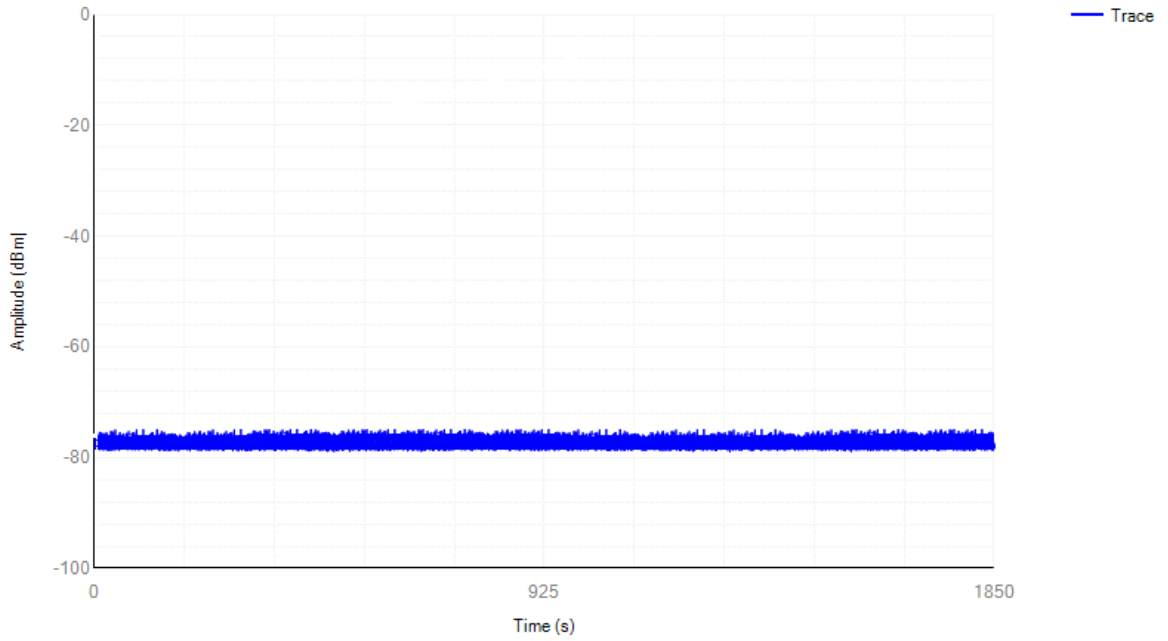
### Radar Calibration



### Non-Occupancy

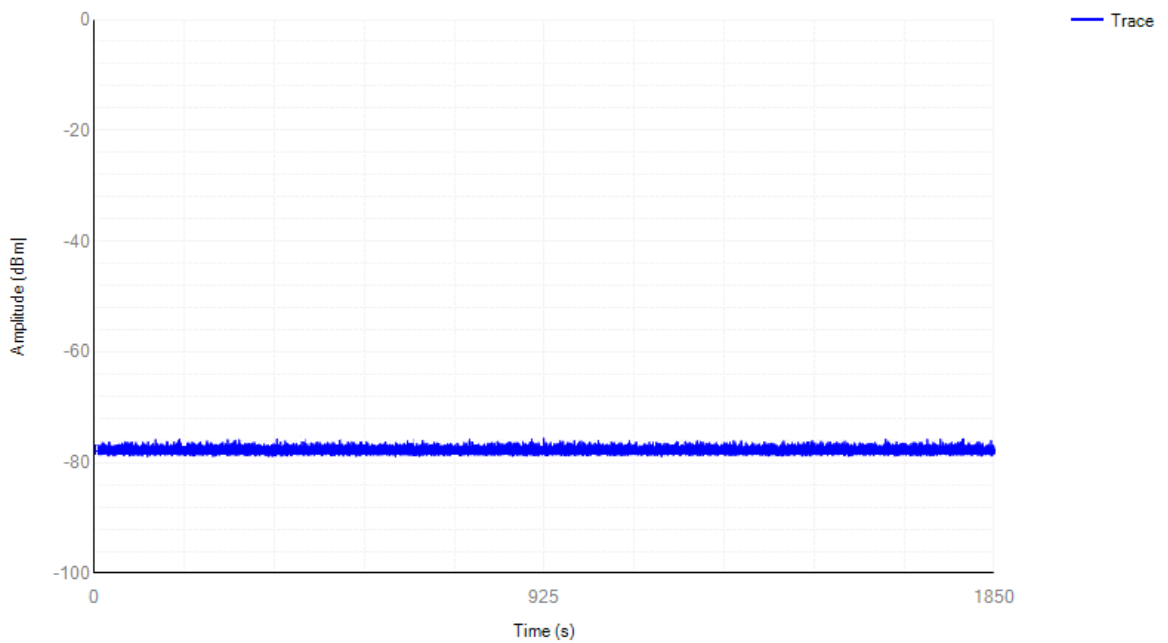
#### 5310MHz n40 Non-Occupancy

##### Non-Occupancy period



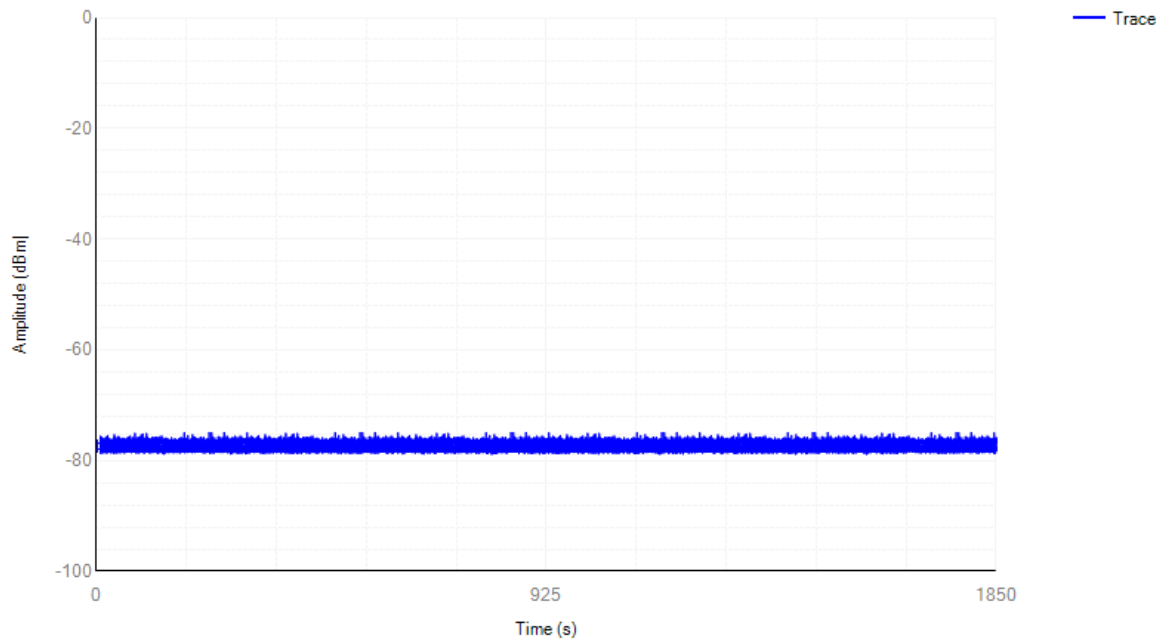
#### 5510MHz n40 Non-Occupancy

##### Non-Occupancy period



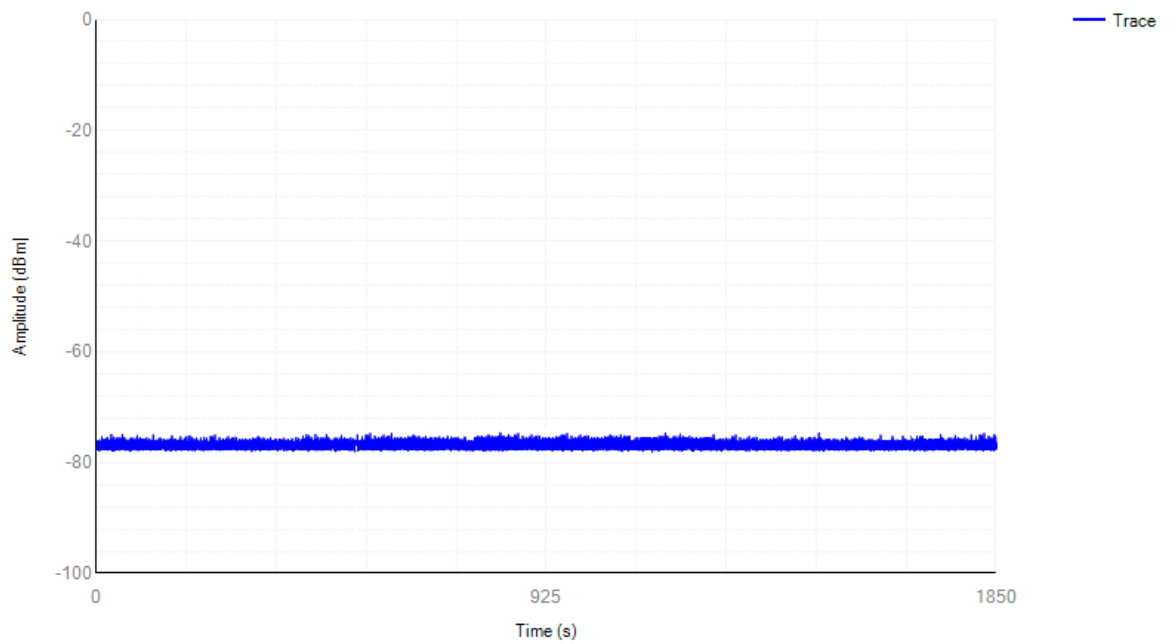
#### 5320MHz a Non-Occupancy

Non-Occupancy period



5500MHz a Non-Occupancy

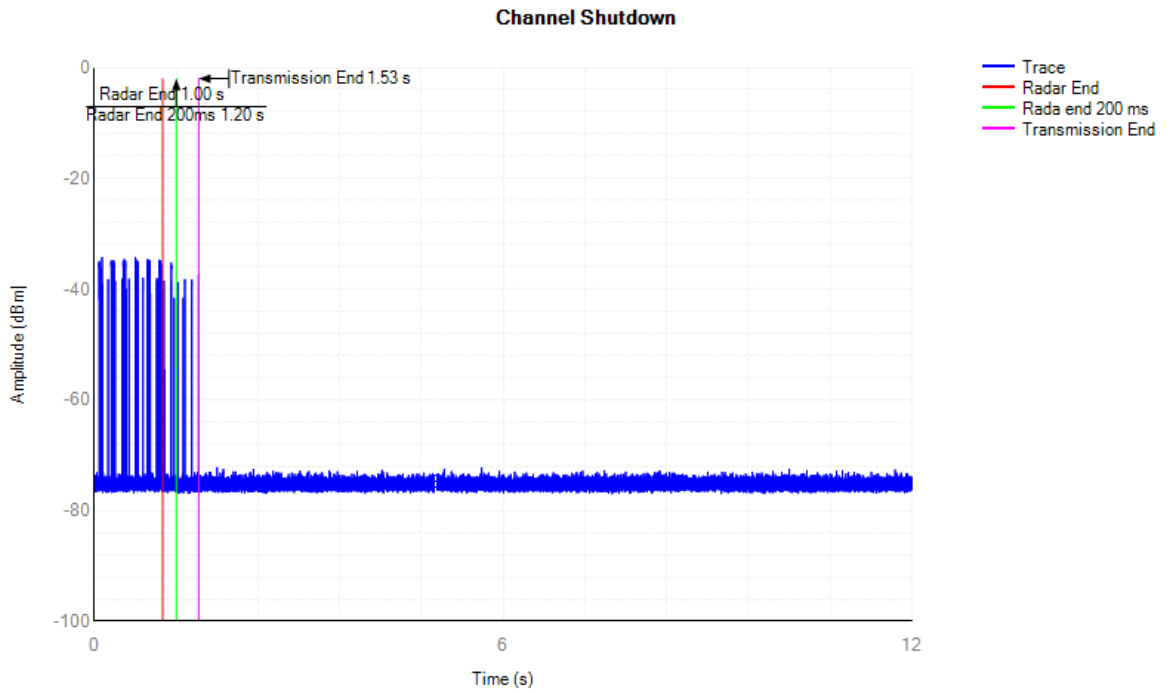
Non-Occupancy period



**Shutdown Time**

Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
n40	5310	0.53	10	0.0084	0.26	0.0036	0.06	Pass
n40	5510	0.4512	10	0.0072	0.26	0.0024	0.06	Pass
a	5320	0.4284	10	0.0084	0.26	0.002	0.06	Pass
a	5500	0.5056	10	0.006	0.26	0.0024	0.06	Pass

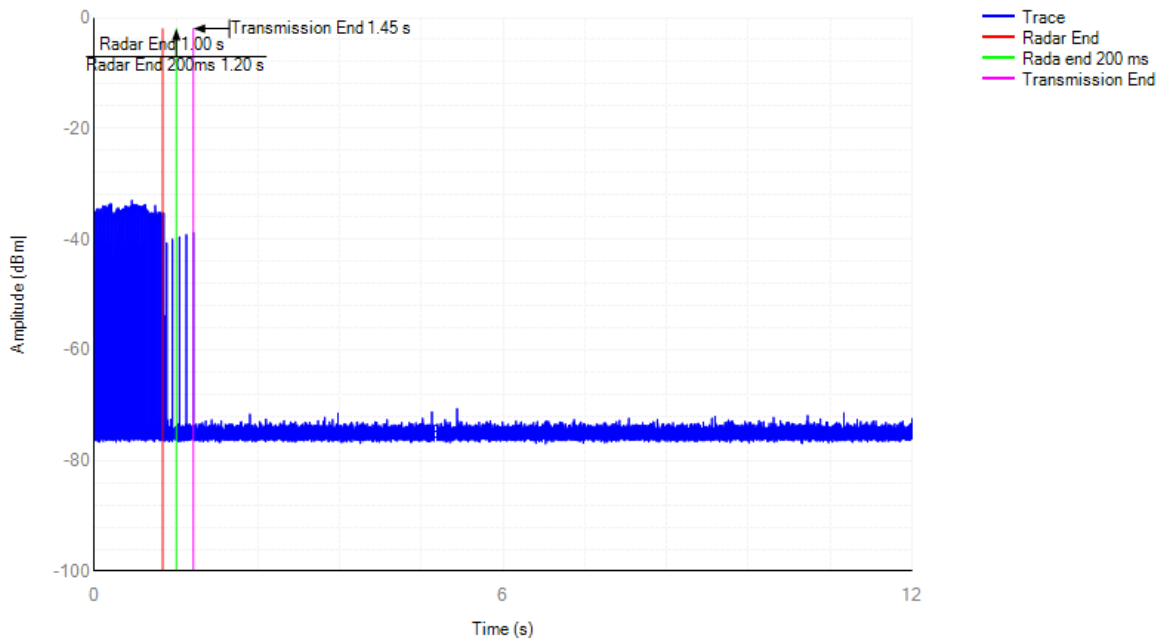
5310MHz n40 Shutdown



5510MHz n40 Shutdown

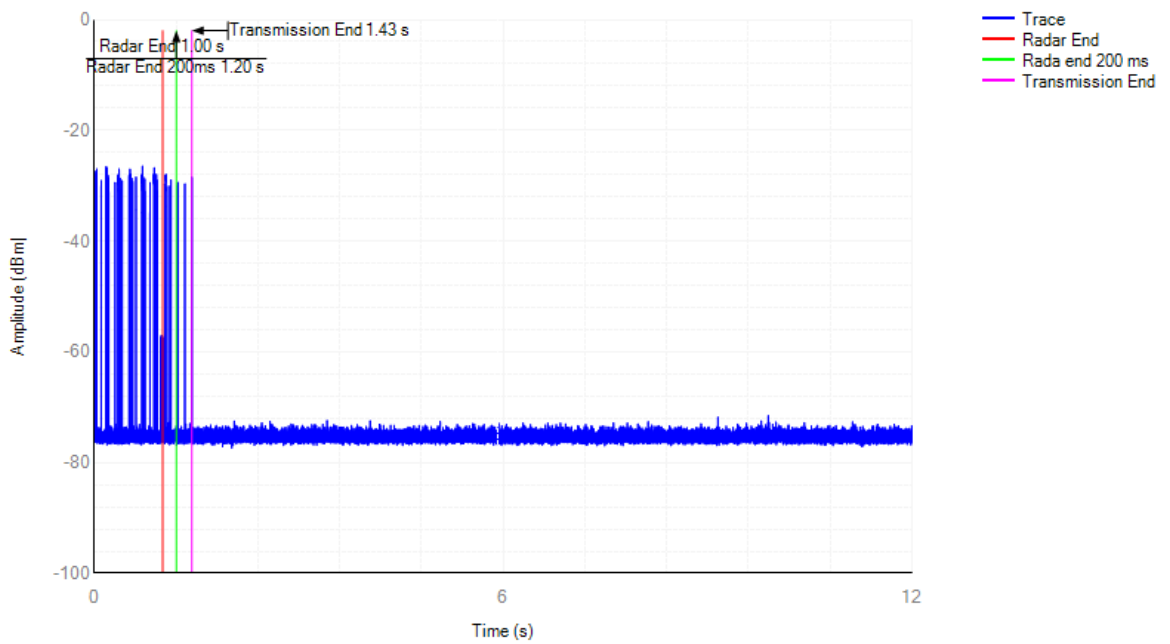


**Channel Shutdown**



**5320MHz a Shutdown**

**Channel Shutdown**



**5500MHz a Shutdown**

### Channel Shutdown

