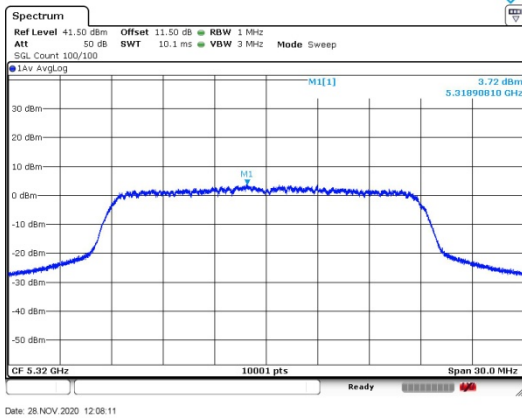
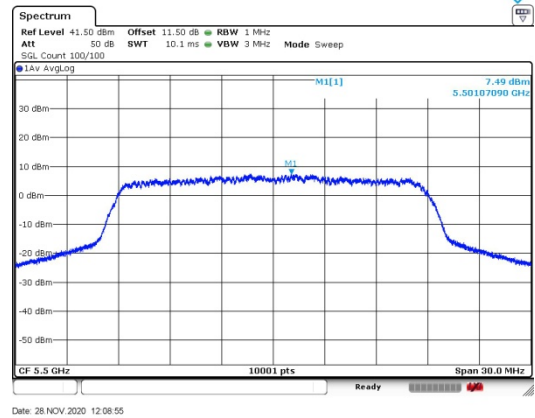


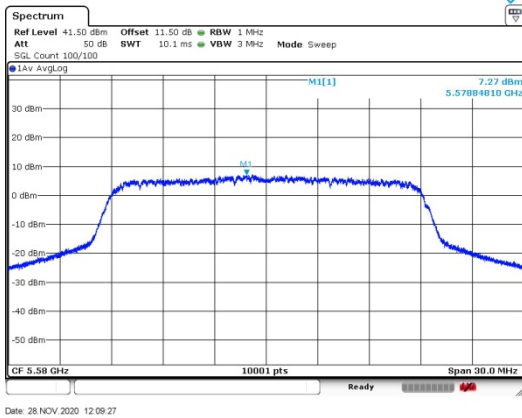
Test Mode: 802.11n HT20 Chain1



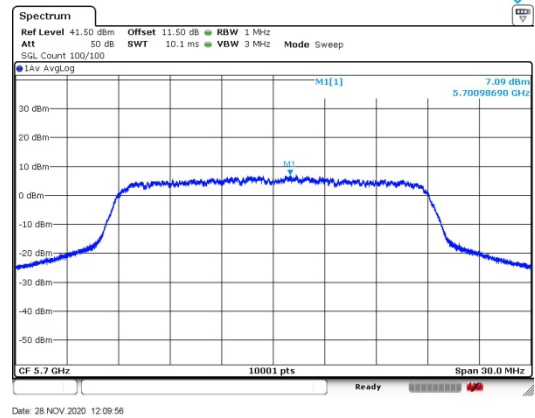
Test Mode: 802.11n HT20 Chain1



Test Mode: 802.11n HT20 Chain1



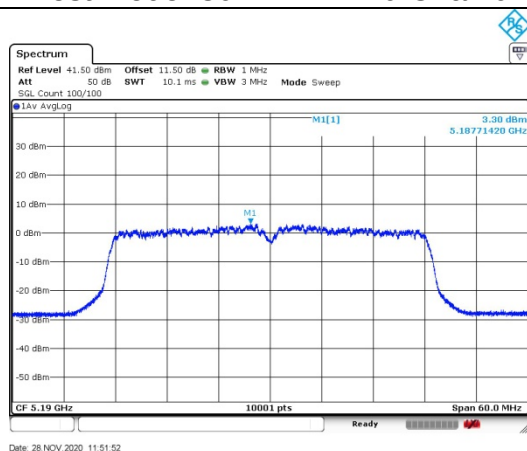
Test Mode: 802.11n HT20 Chain1



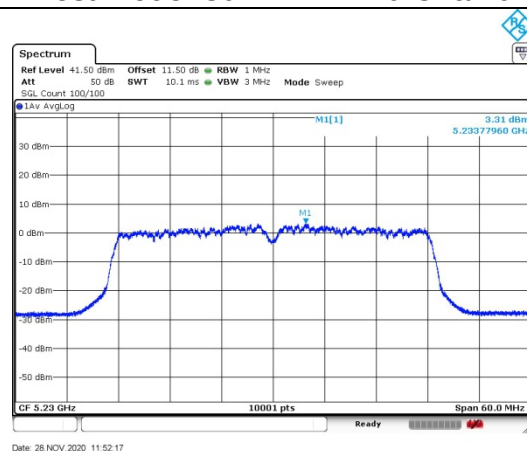
Test Mode: 802.11n HT40

Carrier frequency (MHz)	Correction Factor(dB)	Power Density (dBm) Chain0	Power Density (dBm) Chain1	Power Density (dBm) MIMO
5190	0.18	3.48	3.25	6.38
5230	0.18	3.49	3.78	6.65
5270	0.18	0.86	1.14	4.01
5310	0.18	1.02	0.78	3.91
5510	0.18	4.87	4.13	7.53
5590	0.18	3.71	3.69	6.71
5670	0.18	3.41	3.56	6.50

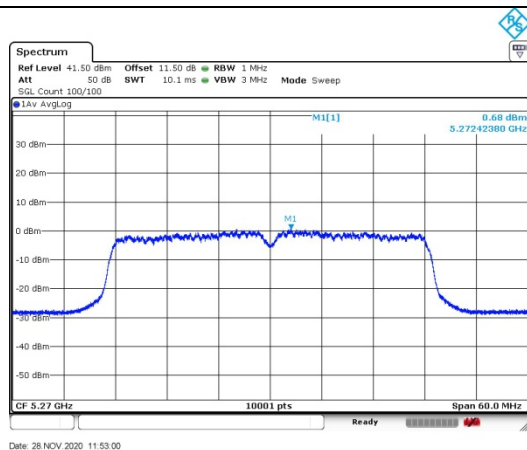
Test Mode: 802.11n HT40 Chain0



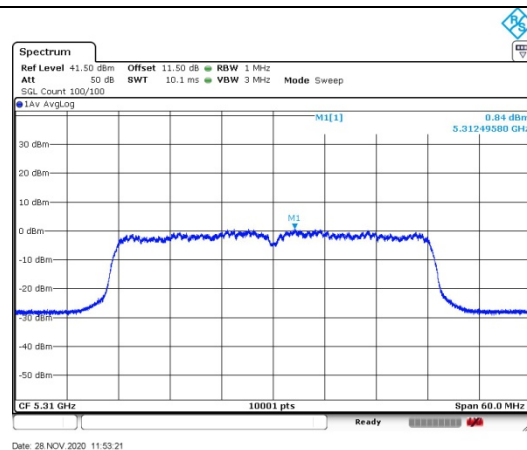
Test Mode: 802.11n HT40 Chain0



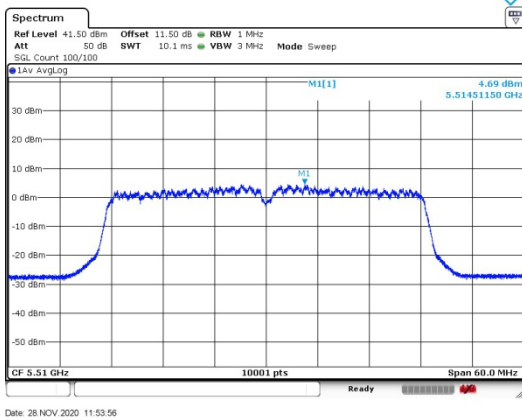
Test Mode: 802.11n HT40 Chain0



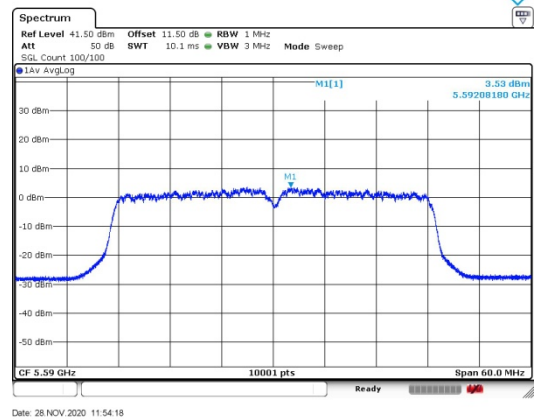
Test Mode: 802.11n HT40 Chain0



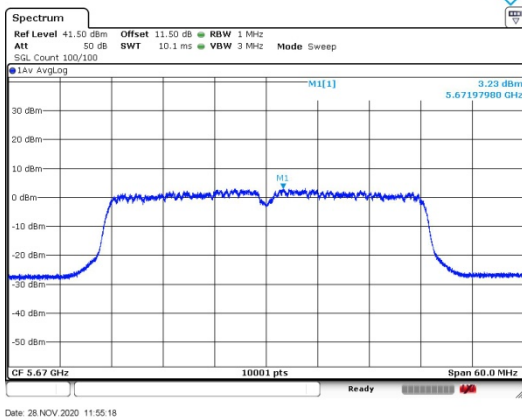
Test Mode: 802.11n HT40 Chain0



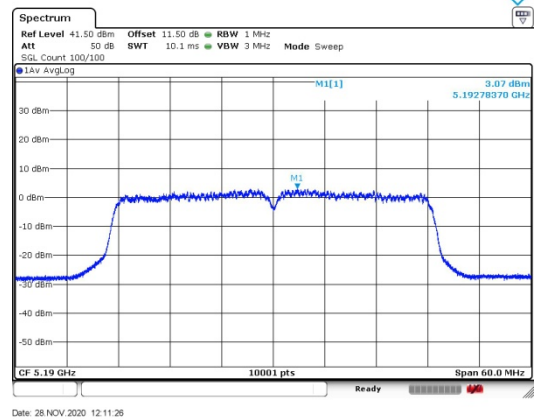
Test Mode: 802.11n HT40 Chain0



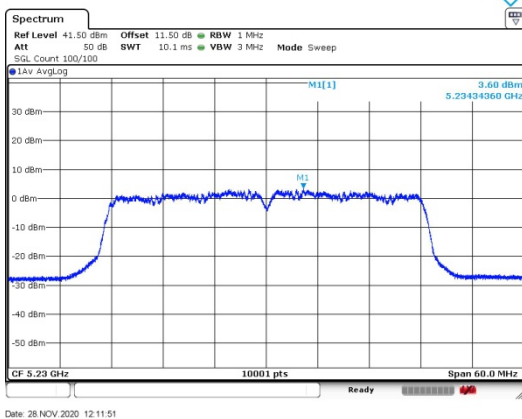
Test Mode: 802.11n HT40 Chain0



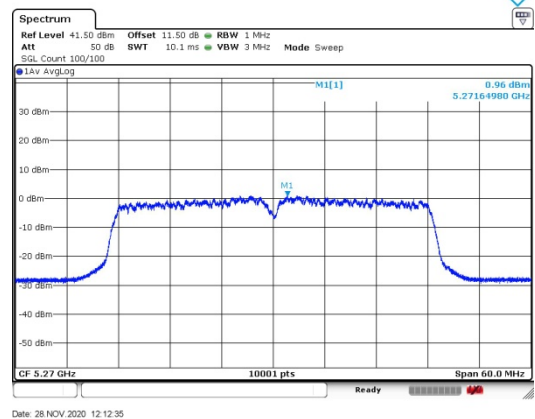
Test Mode: 802.11n HT40 Chain1



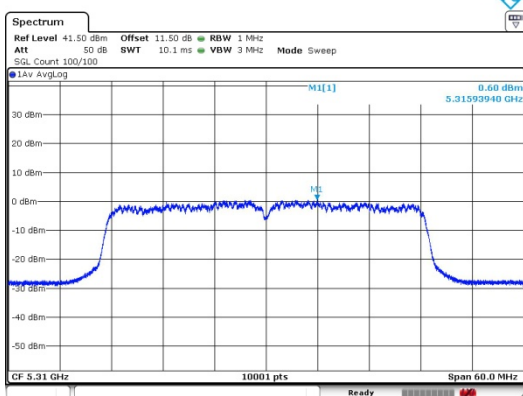
Test Mode: 802.11n HT40 Chain1



Test Mode: 802.11n HT40 Chain1

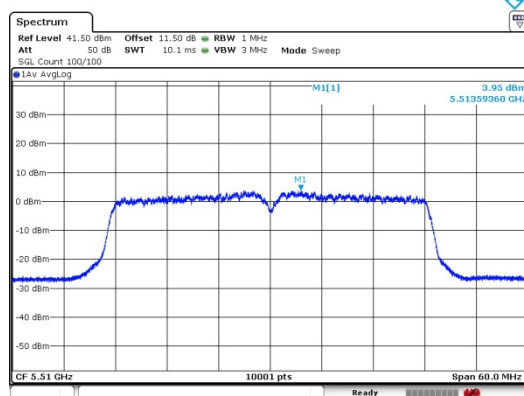


Test Mode: 802.11n HT40 Chain1



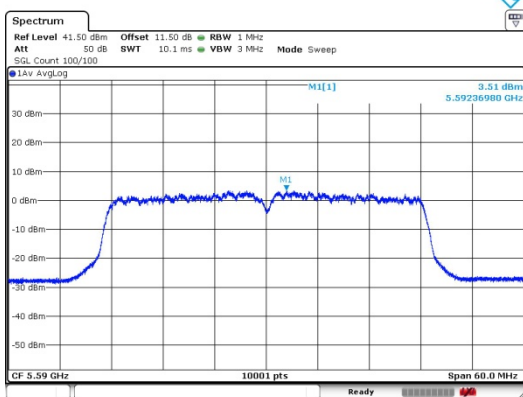
Date: 28 NOV 2020 12:12:54

Test Mode: 802.11n HT40 Chain1



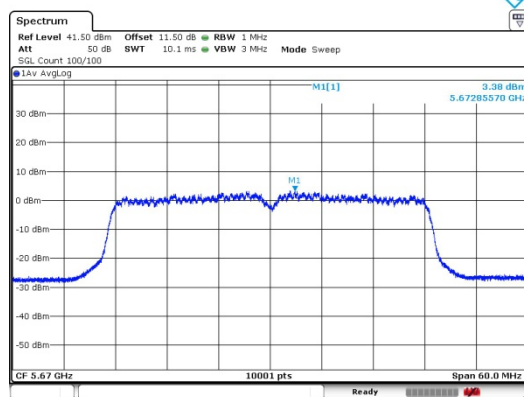
Date: 28 NOV 2020 12:14:01

Test Mode: 802.11n HT40 Chain1



Date: 28 NOV 2020 12:14:34

Test Mode: 802.11n HT40 Chain1

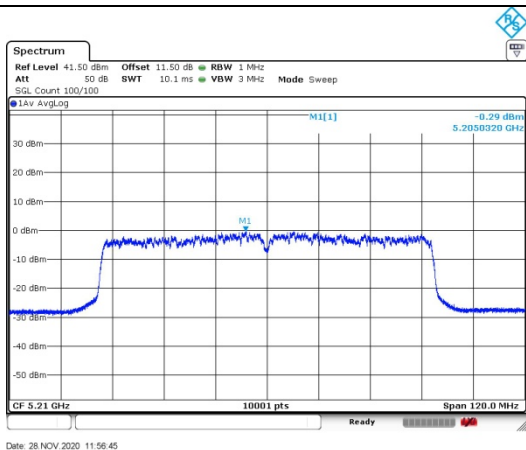


Date: 28 NOV 2020 12:14:58

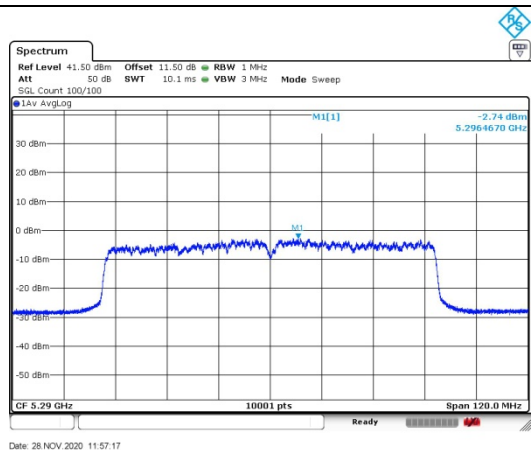
Test Mode: 802.11ac VHT80

Carrier frequency (MHz)	Correction Factor(dB)	Power Density (dBm) Chain0	Power Density (dBm) Chain1	Power Density (dBm) MIMO
5210	0.33	0.04	0.48	3.28
5290	0.33	-2.41	-1.92	0.85
5530	0.33	0.88	0.16	3.55
5610	0.33	-0.10	-0.39	2.77

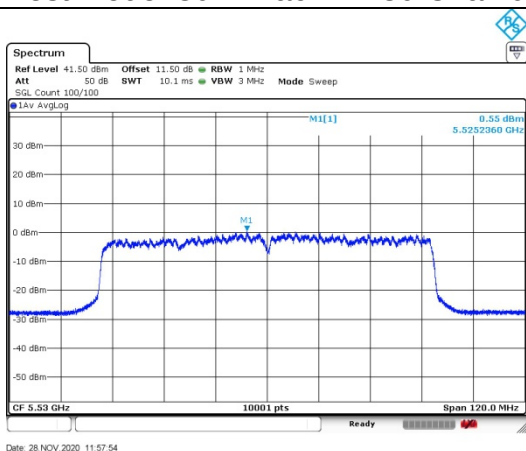
Test Mode: 802.11ac VHT80 Chain0



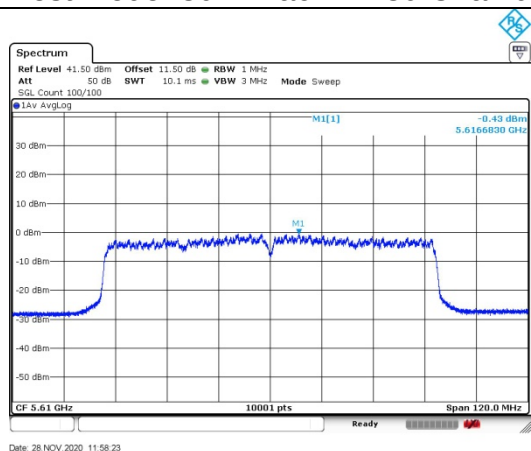
Test Mode: 802.11ac VHT80 Chain0



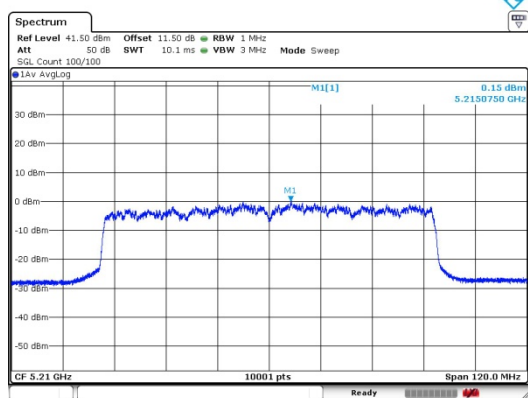
Test Mode: 802.11ac VHT80 Chain0



Test Mode: 802.11ac VHT80 Chain0

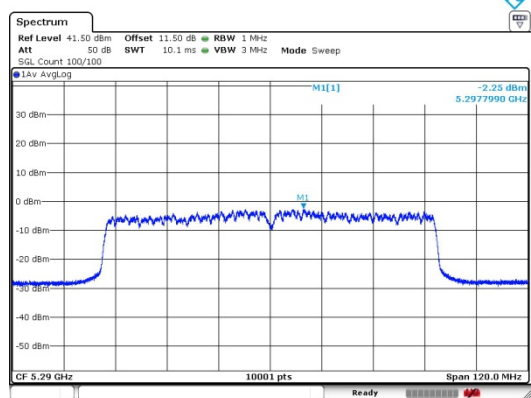


Test Mode: 802.11ac VHT80 Chain1



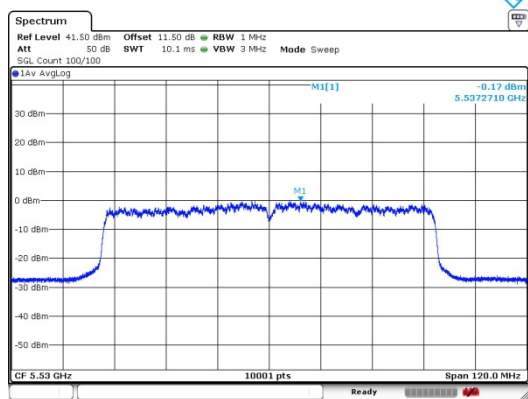
Date: 28 NOV 2020 12:16:07

Test Mode: 802.11ac VHT80 Chain1



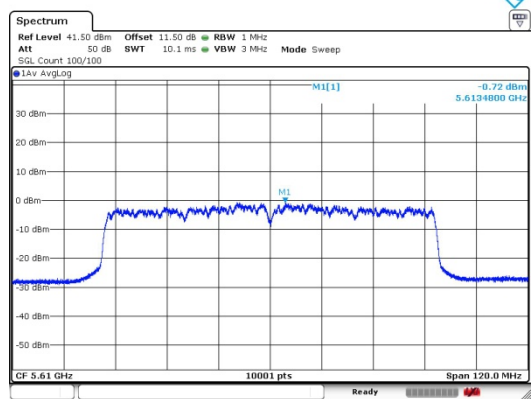
Date: 28 NOV 2020 12:16:44

Test Mode: 802.11ac VHT80 Chain1



Date: 28 NOV 2020 12:17:15

Test Mode: 802.11ac VHT80 Chain1



Date: 28 NOV 2020 12:17:48

Frequency Stability

Mode	Data Rate	Ant	Center Frequency (MHz)	Measured Frequency (MHz)	Frequency Stability (ppm)	Voltage (V)	Temperature (°C)
802.11a	6Mbps	Chain0	5180	5179.978849	-4.08	NV	-10
			5180	5179.979717	-3.92	NV	0
			5180	5180.013996	2.70	NV	+10
			5180	5179.987454	-2.42	NV	+20
			5180	5179.976584	-4.52	HV	+20
			5180	5180.018542	3.58	LV	+20
			5180	5180.024702	4.77	NV	+30
			5180	5179.996786	-0.62	NV	+40
			5180	5179.972498	-5.31	NV	+50
802.11a	6Mbps	Chain1	5180	5180.002722	0.53	NV	+55
			5180	5179.975226	-4.78	NV	-10
			5180	5179.976285	-4.58	NV	0
			5180	5179.992497	-1.45	NV	+10
			5180	5180.009937	1.92	NV	+20
			5180	5179.973617	-5.09	HV	+20
			5180	5179.991558	-1.63	LV	+20
			5180	5180.022766	4.39	NV	+30
			5180	5179.975681	-4.69	NV	+40
			5180	5179.995057	-0.95	NV	+50

Dynamic Frequency Selection

DESCRIPTION OF Master Device

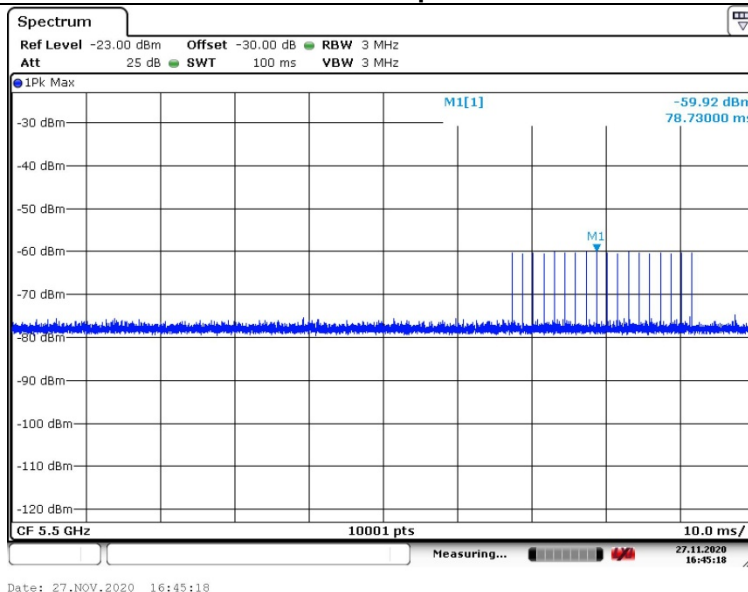
The Master Device is a SKSpruce Technologies Co., Ltd., Indoor Access Point, FCC ID: 2AHTK-WIA3300-20. The rated output power of the Master unit is > 23dBm (EIRP).

Therefore the required interference threshold level is -60 dBm.

Radar Waveform Calibration Result

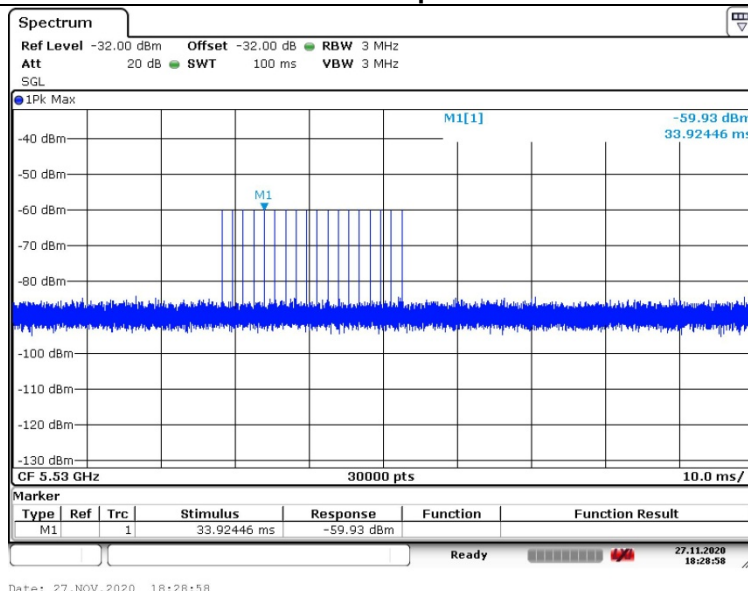
<20MHz / 5500 MHz> Radar Type 0

Radar / DFS detection threshold level and the burst of pulses on the Channel frequency

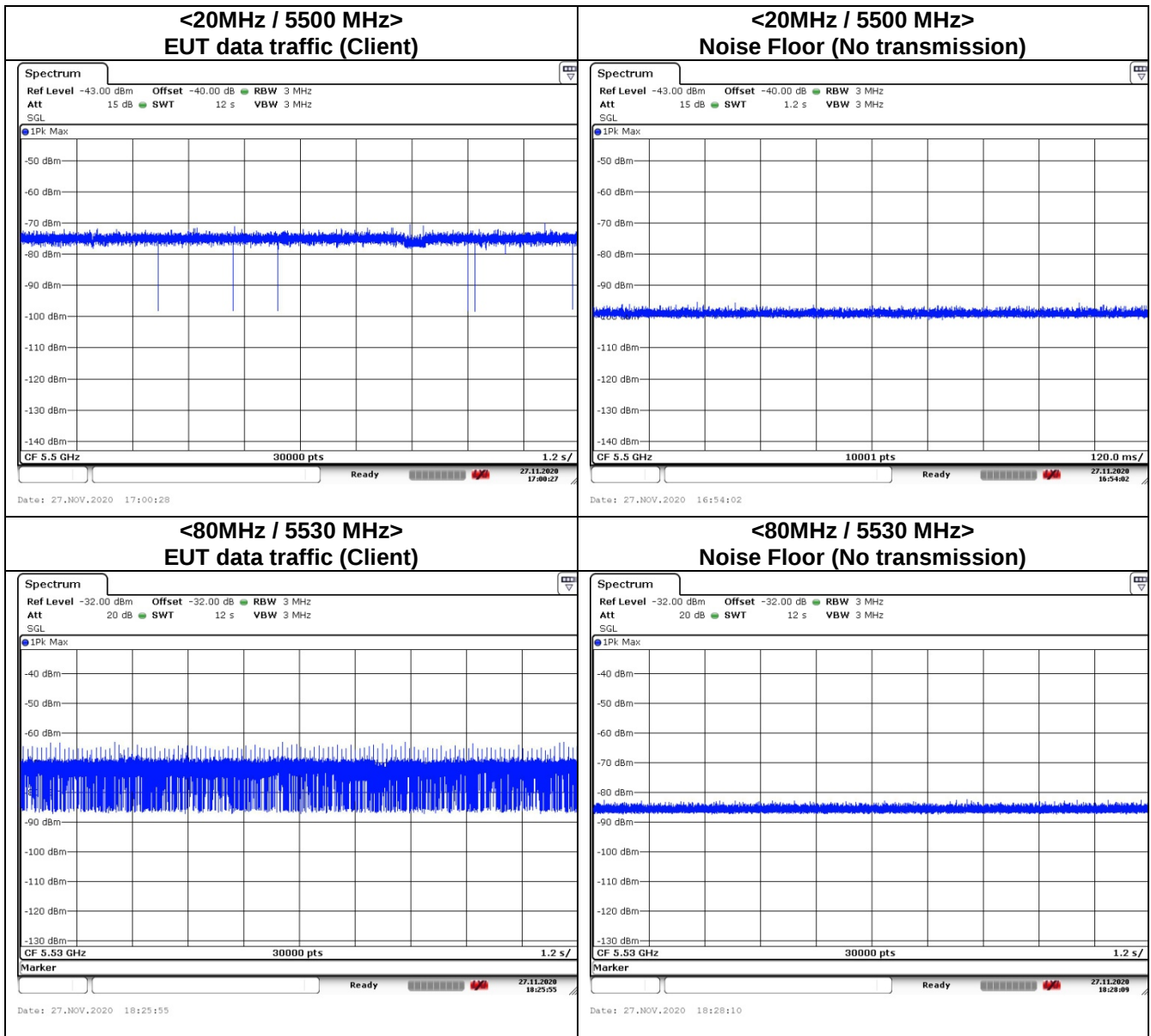


<80MHz / 5530 MHz> Radar Type 0

Radar / DFS detection threshold level and the burst of pulses on the Channel frequency



Data Traffic and Noise Floor Plots



Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period for Client Beacon Test

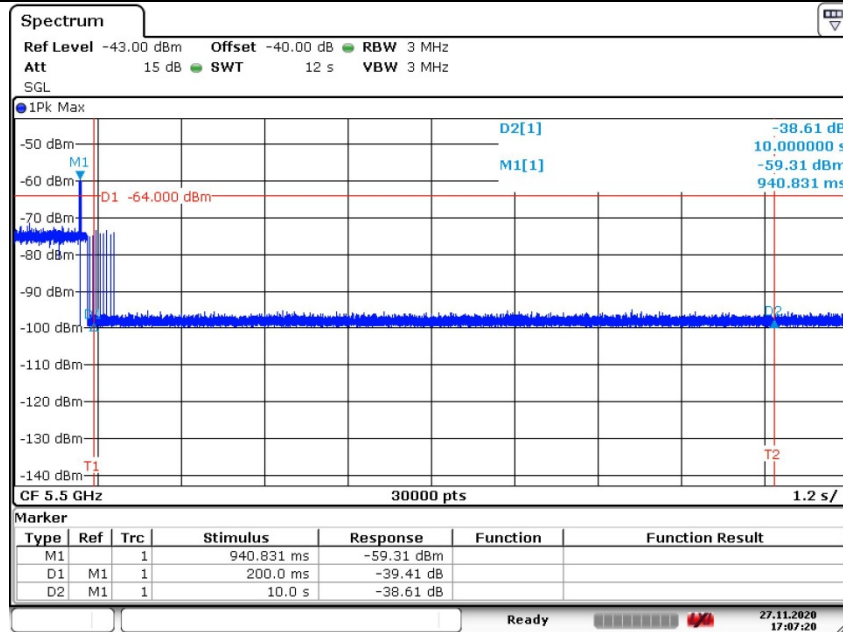
Frequency	Test Item	Test Result	Limit	Pass/Fail
5500MHz	Channel Move Time	< 10s*	< 10s	Pass
	Channel Closing Transmission Time	200ms +2.4ms	< 260ms	Pass
	Non-Occupancy Period	≥ 30	≥ 30 min	Pass
5530MHz	Channel Move Time	< 10s*	< 10s	Pass
	Channel Closing Transmission Time	200ms +2.8ms	< 260ms	Pass
	Non-Occupancy Period	≥ 30	≥ 30 min	Pass

Note*: We notice clearly that “Channel Move Time” is less than 10s from the figure.
The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 seconds period. The aggregate duration of control signals will not count quiet periods in between transmissions.

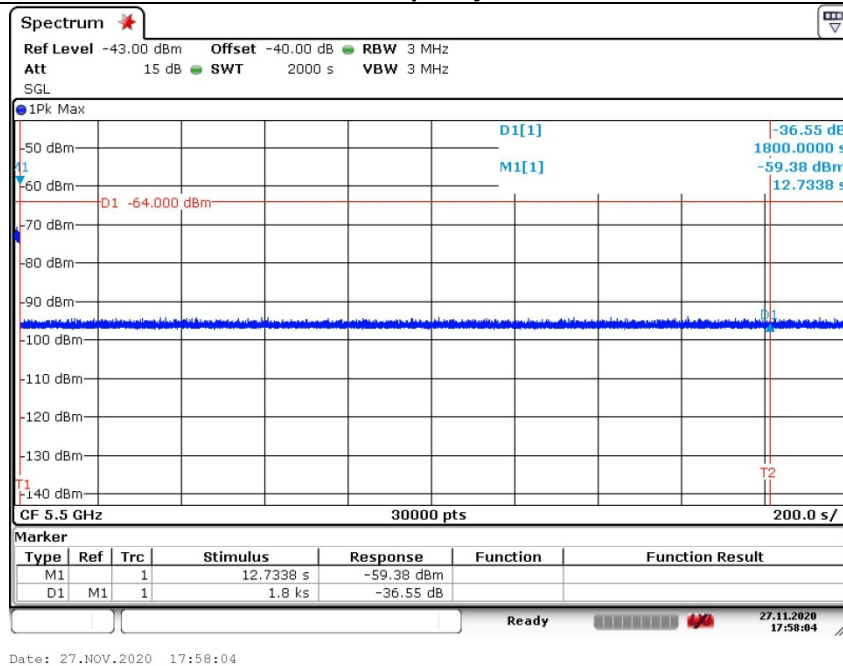
Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period for Client Beacon Test Plots

<20MHz / 5500 MHz>

Channel Move Time & Channel Closing Transmission Time



Non-Occupancy Period

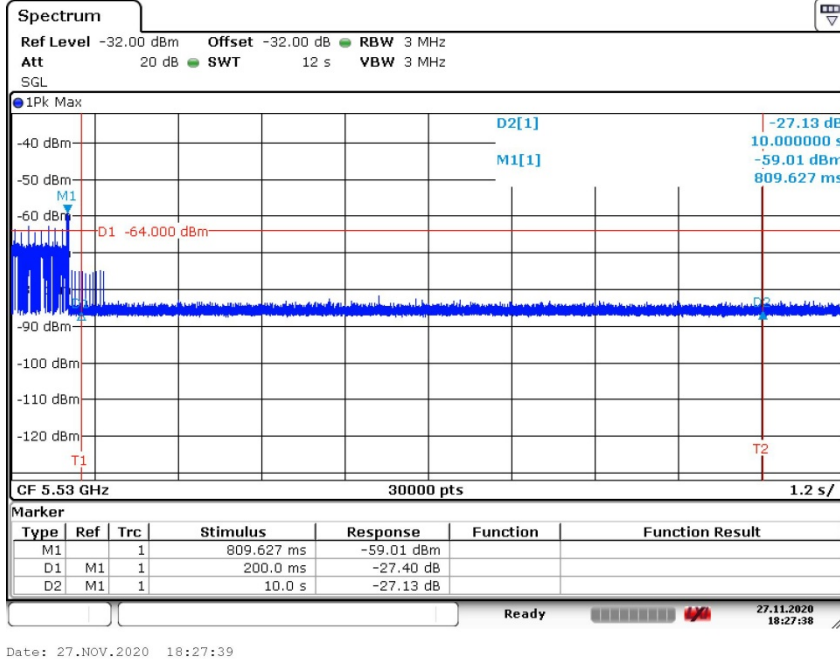


Note:

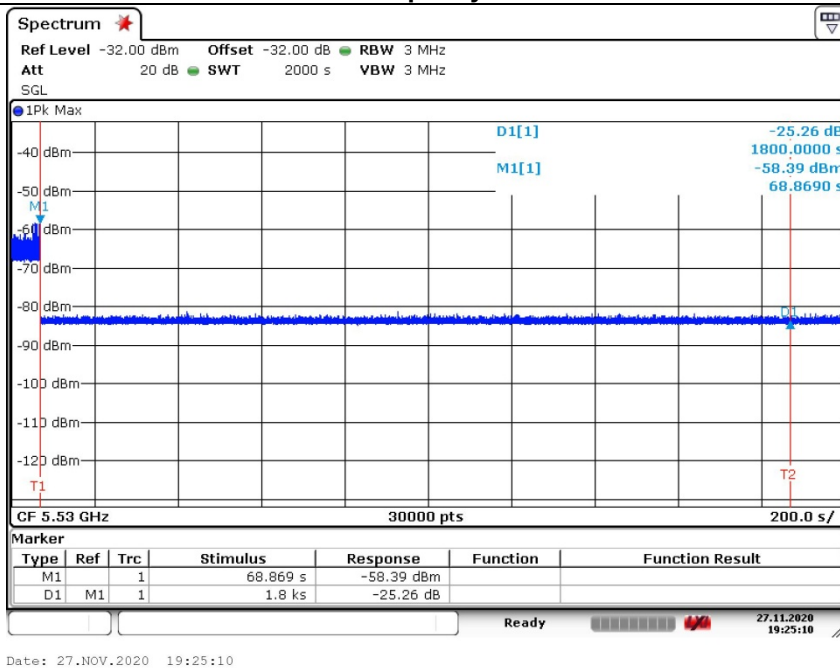
Dwell (0.4 ms)= Sweep Time (12000 ms) / Sweep Point Bins (30000)
Channel Closing Transmission Time (200 + 24 ms) = 200 + Number of beacon after 200ms(6) X Dwell (0.4 ms)
< 260ms

<20MHz / 5500MHz>

Channel Move Time & Channel Closing Transmission Time



Non-Occupancy Period



Note:

Dwell (0.4 ms) = Sweep Time (12000 ms) / Sweep Point Bins (30000)

Channel Closing Transmission Time (200 + 24 ms) = 200 + Number of beacon after 200ms(7) X Dwell (0.4 ms) < 260ms