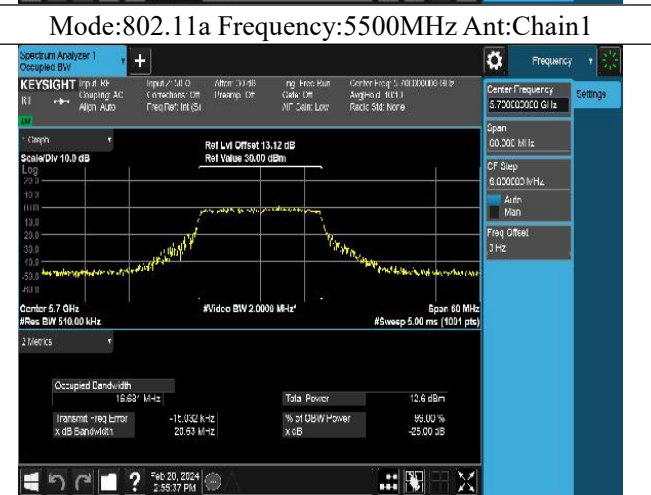
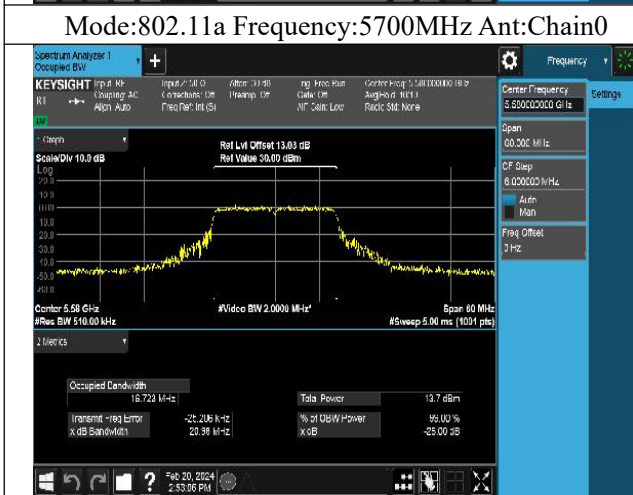
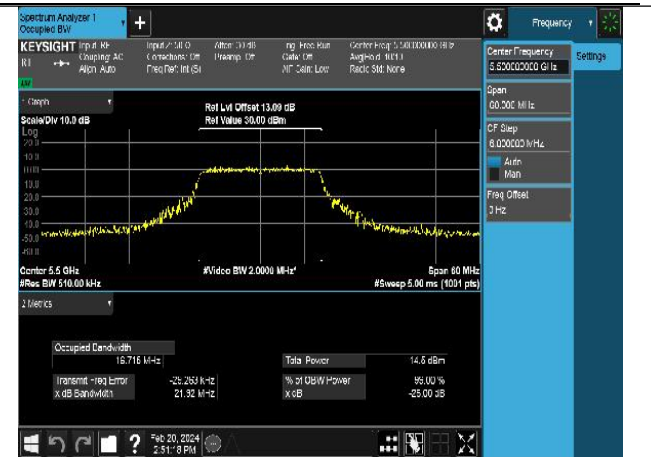
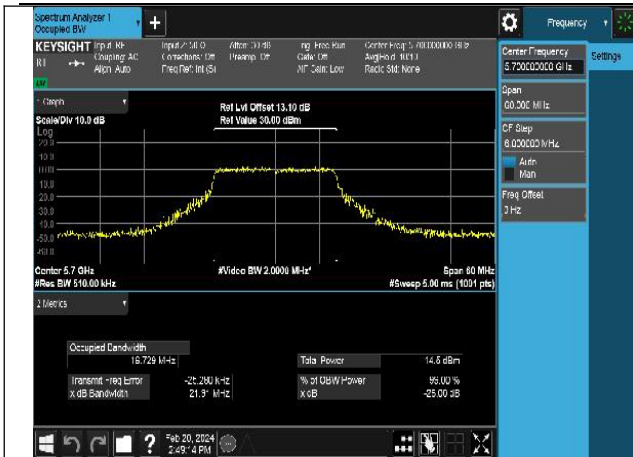
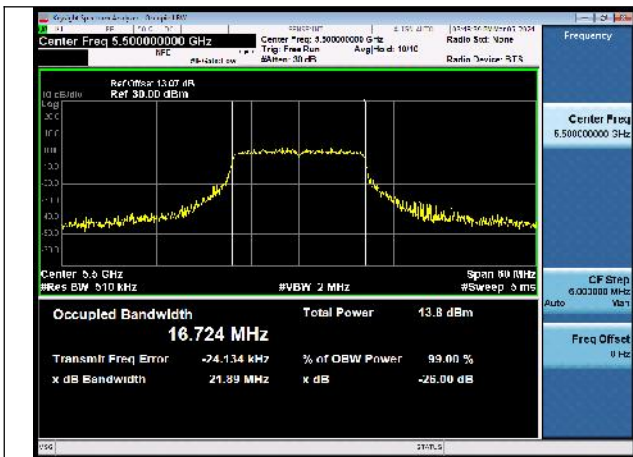




Test Mode: 802.11n HT20

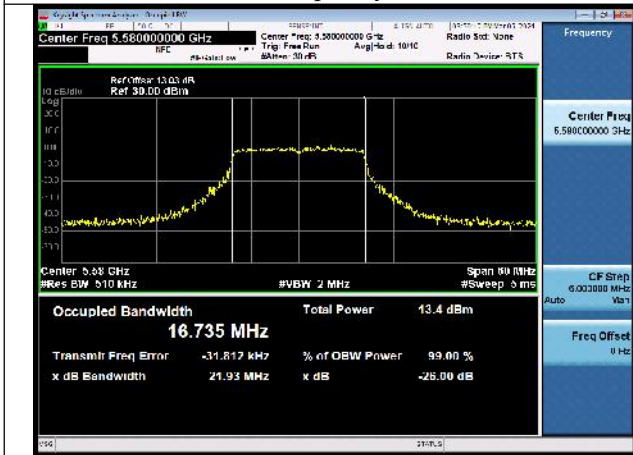




Mode:802.11n HT20 Frequency:5700MHz Ant:Chain0



Mode:802.11n HT20 Frequency:5500MHz Ant:Chain1



Mode:802.11n HT20 Frequency:5580MHz Ant:Chain1

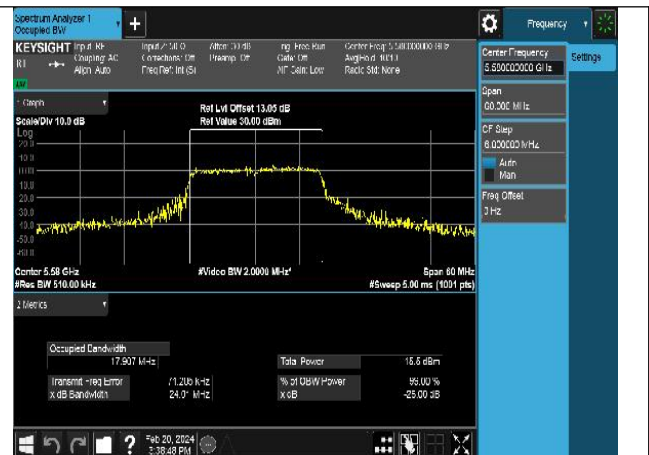


Mode:802.11n HT20 Frequency:5700MHz Ant:Chain1

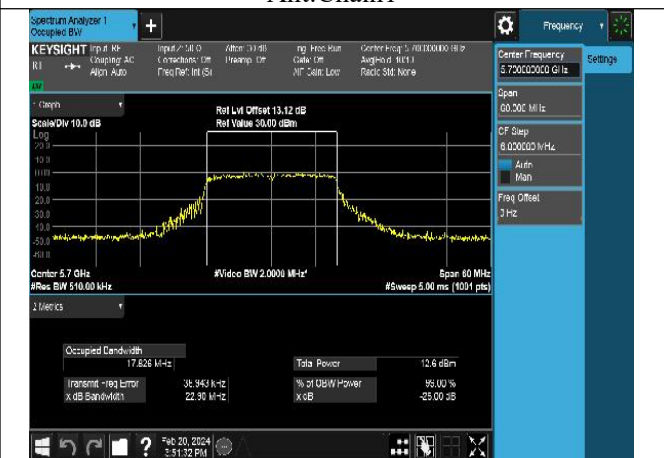
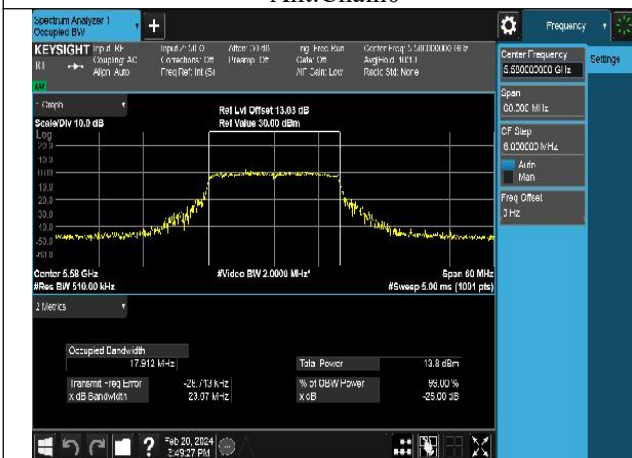
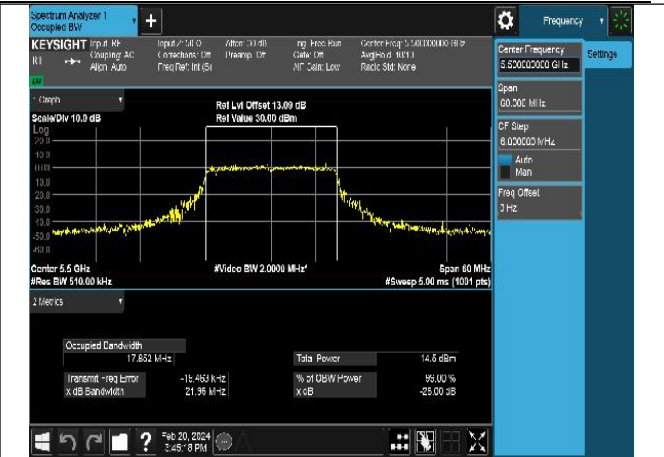
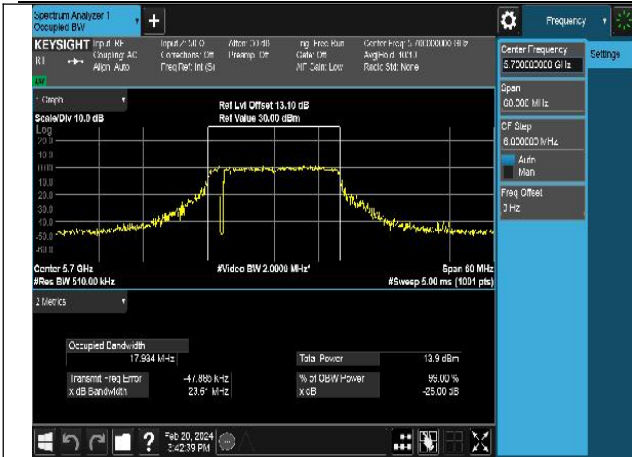
Test Mode: 802.11ac VHT20



Mode:802.11ac VHT20 Frequency:5500MHz
Ant:Chain0

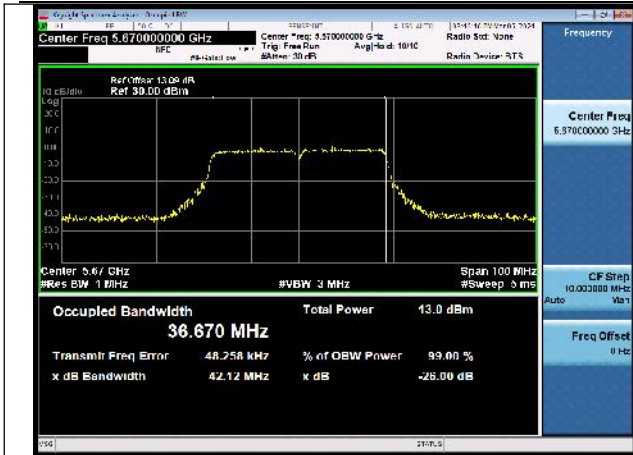


Mode:802.11ac VHT20 Frequency:5580MHz
Ant:Chain0



Test Mode: 802.11n HT40

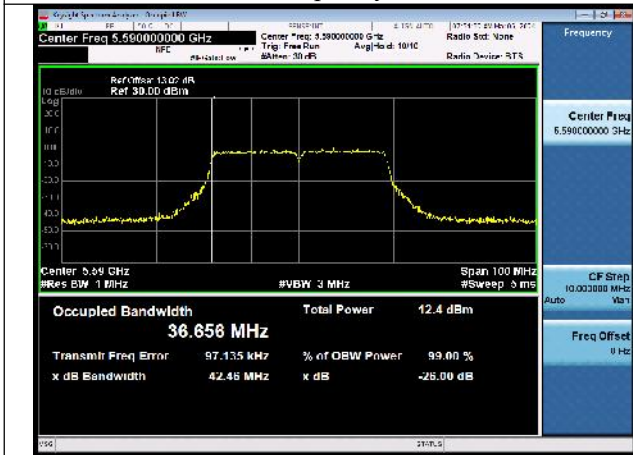




Mode:802.11n HT40 Frequency:5670MHz Ant:Chain0



Mode:802.11n HT40 Frequency:5510MHz Ant:Chain1



Mode:802.11n HT40 Frequency:5590MHz Ant:Chain1



Mode:802.11n HT40 Frequency:5670MHz Ant:Chain1

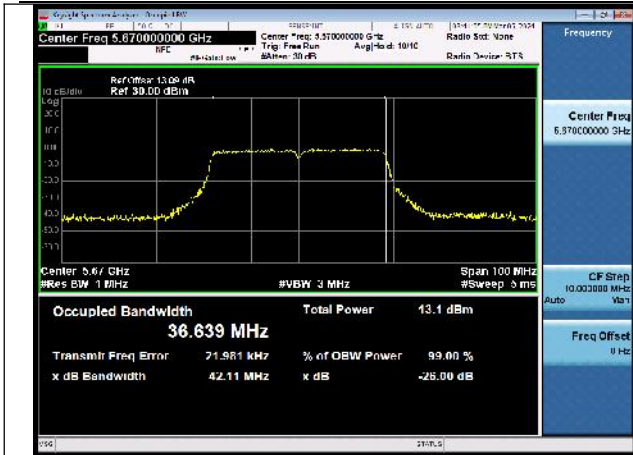
Test Mode: 802.11ac VHT40



Mode:802.11ac VHT40 Frequency:5510MHz
Ant:Chain0



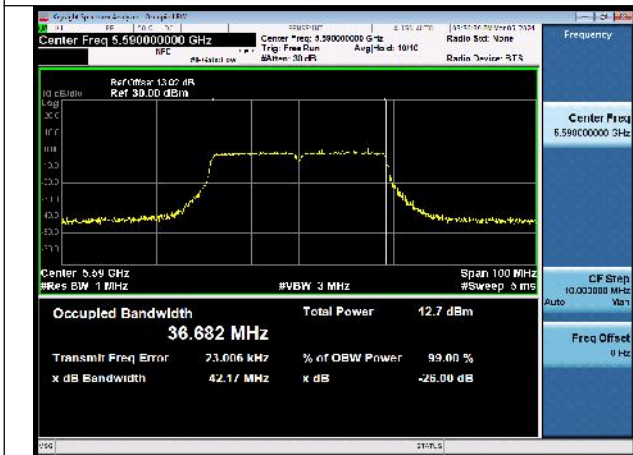
Mode:802.11ac VHT40 Frequency:5590MHz
Ant:Chain0



Mode:802.11ac VHT40 Frequency:5670MHz
Ant:Chain0



Mode:802.11ac VHT40 Frequency:5510MHz
Ant:Chain1



Mode:802.11ac VHT40 Frequency:5590MHz
Ant:Chain1



Mode:802.11ac VHT40 Frequency:5670MHz
Ant:Chain1

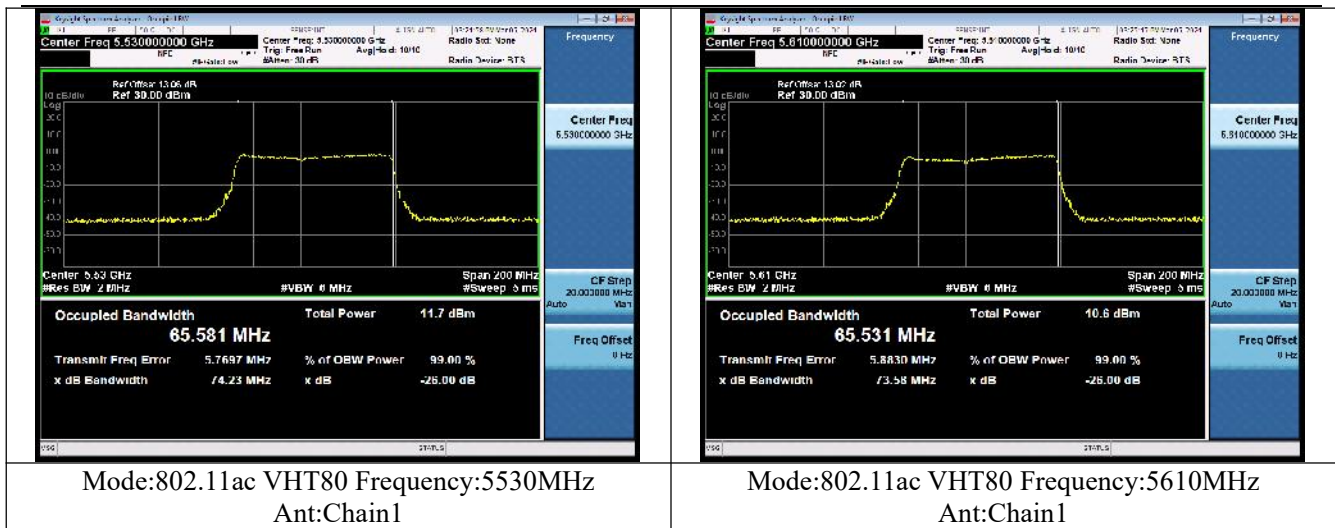
Test Mode: 802.11ac VHT80



Mode:802.11ac VHT80 Frequency:5530MHz
Ant:Chain0



Mode:802.11ac VHT80 Frequency:5610MHz
Ant:Chain0



Occupied Bandwidth

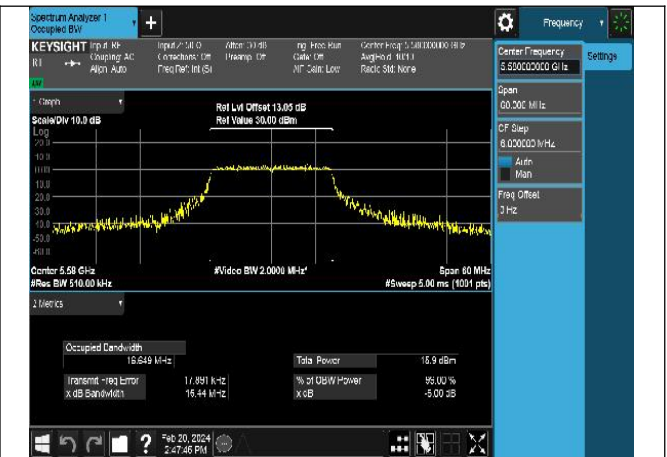
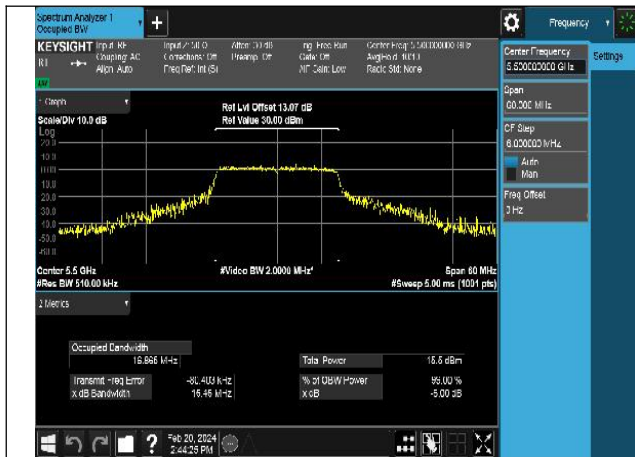
Offset 1.2dB = Attenuator + Temporary antenna connector loss + Cable loss

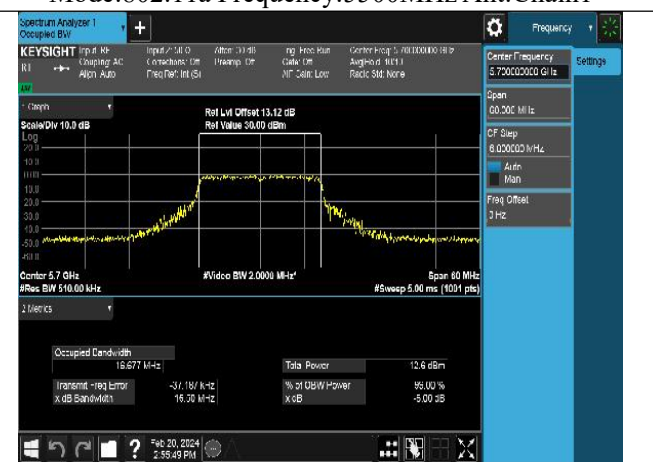
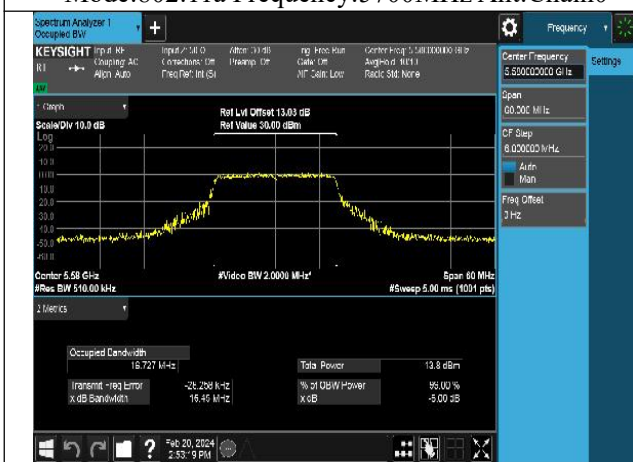
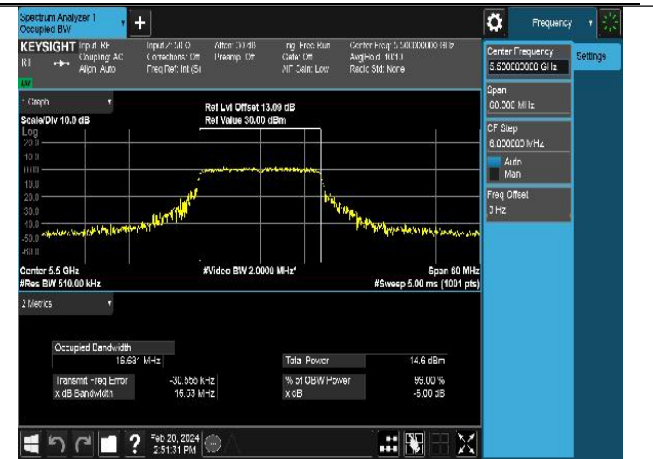
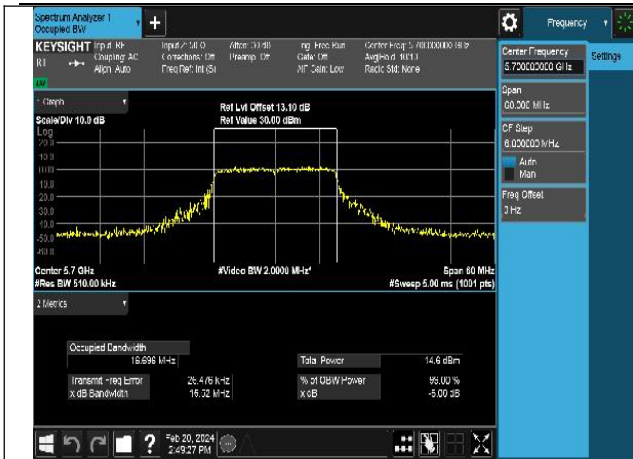
Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5500MHz	5580MHz	5700MHz
802.11a	Chain0	16.865	16.649	16.696
802.11a	Chain1	16.631	16.727	16.677
802.11n HT20	Chain0	16.711	16.787	16.745
802.11n HT20	Chain1	16.786	16.758	16.776
802.11ac VHT20	Chain0	18.038	17.904	17.939
802.11ac VHT20	Chain1	17.916	17.935	17.878

Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5510MHz	5590MHz	5670MHz
802.11n HT40	Chain0	36.631	36.661	36.644
802.11n HT40	Chain1	36.682	36.682	36.723
802.11ac VHT40	Chain0	36.788	36.676	36.665
802.11ac VHT40	Chain1	36.684	36.721	36.644

Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5530MHz	---	5610MHz
802.11ac VHT80	Chain0	65.747	---	65.481
802.11ac VHT80	Chain1	65.553	---	65.489

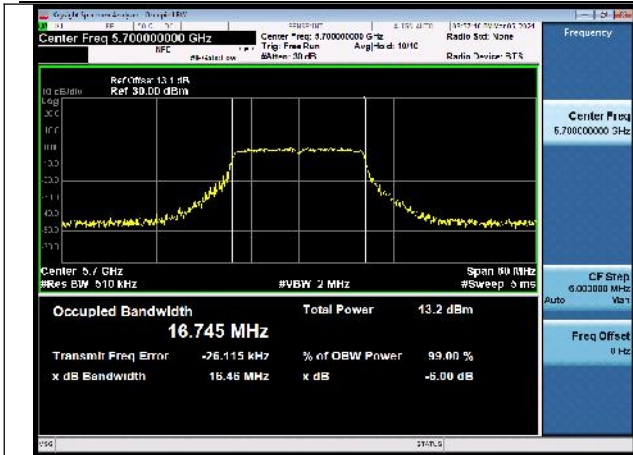
Test Mode: 802.11a





Test Mode: 802.11n HT20

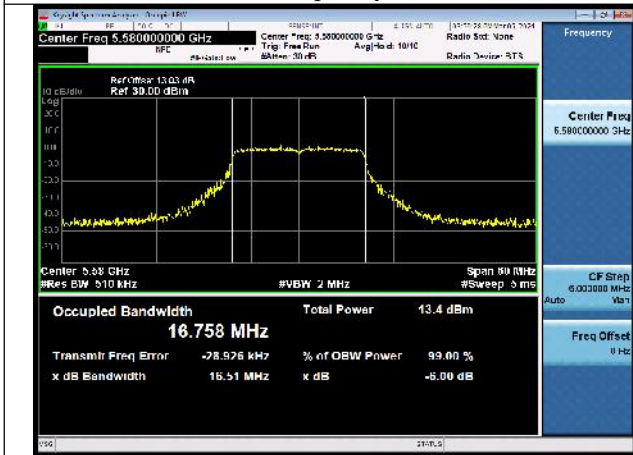




Mode:802.11n HT20 Frequency:5700MHz Ant:Chain0



Mode:802.11n HT20 Frequency:5500MHz Ant:Chain1



Mode:802.11n HT20 Frequency:5580MHz Ant:Chain1

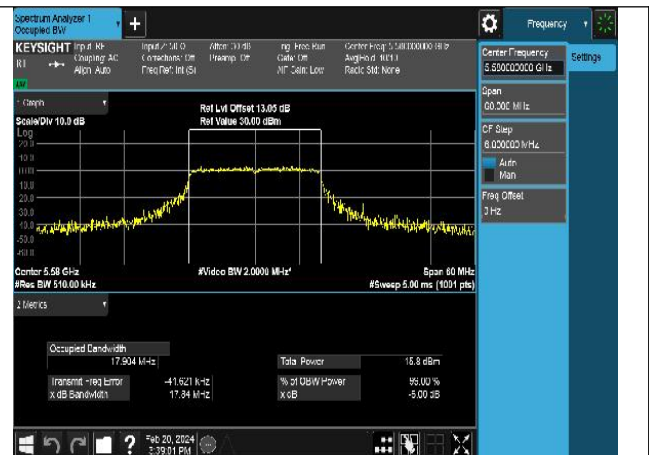


Mode:802.11n HT20 Frequency:5700MHz Ant:Chain1

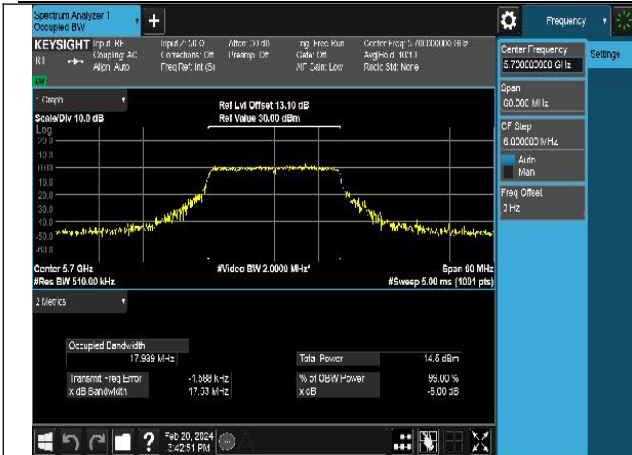
Test Mode: 802.11ac VHT20



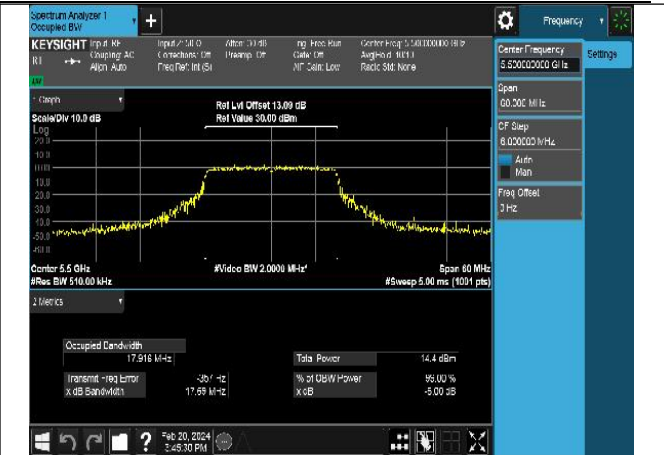
Mode:802.11ac VHT20 Frequency:5500MHz
Ant:Chain0



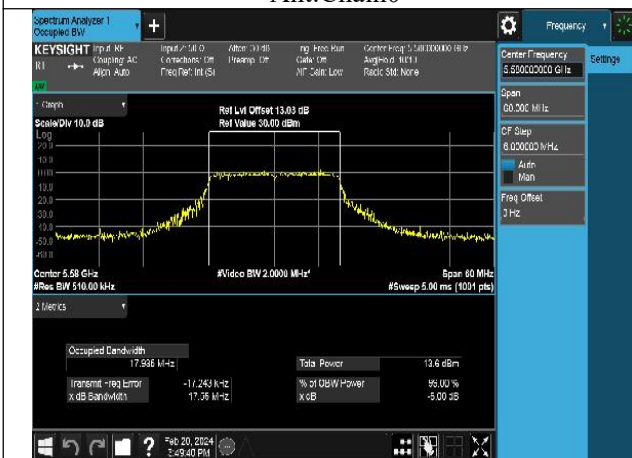
Mode:802.11ac VHT20 Frequency:5580MHz
Ant:Chain0



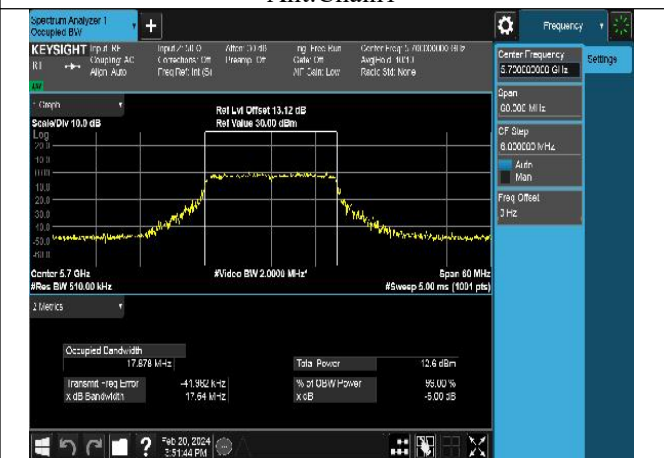
Mode:802.11ac VHT20 Frequency:5700MHz
Ant:Chain0



Mode:802.11ac VHT20 Frequency:5500MHz
Ant:Chain1



Mode:802.11ac VHT20 Frequency:5580MHz
Ant:Chain1



Mode:802.11ac VHT20 Frequency:5700MHz
Ant:Chain1

Test Mode: 802.11n HT40



Mode:802.11n HT40 Frequency:5510MHz Ant:Chain0



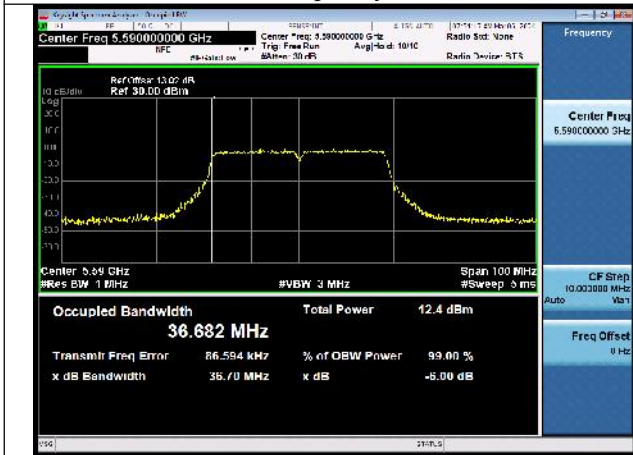
Mode:802.11n HT40 Frequency:5590MHz Ant:Chain0



Mode:802.11n HT40 Frequency:5670MHz Ant:Chain0



Mode:802.11n HT40 Frequency:5510MHz Ant:Chain1



Mode:802.11n HT40 Frequency:5590MHz Ant:Chain1



Mode:802.11n HT40 Frequency:5670MHz Ant:Chain1

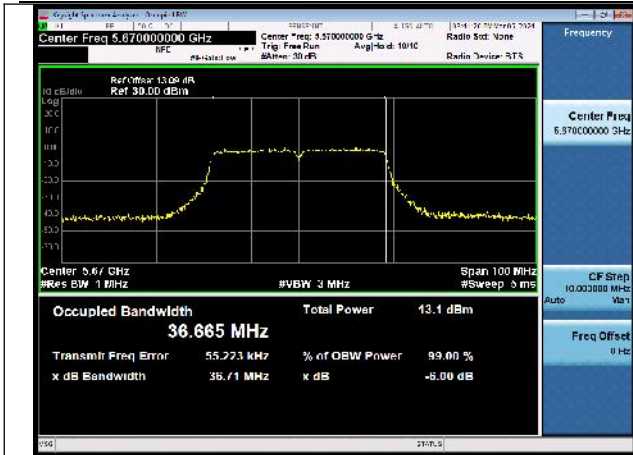
Test Mode: 802.11ac VHT40



Mode:802.11ac VHT40 Frequency:5510MHz
Ant:Chain0



Mode:802.11ac VHT40 Frequency:5590MHz
Ant:Chain0



Mode:802.11ac VHT40 Frequency:5670MHz
Ant:Chain0



Mode:802.11ac VHT40 Frequency:5510MHz
Ant:Chain1



Mode:802.11ac VHT40 Frequency:5590MHz
Ant:Chain1



Mode:802.11ac VHT40 Frequency:5670MHz
Ant:Chain1

Test Mode: 802.11ac VHT80



Mode:802.11ac VHT80 Frequency:5530MHz
Ant:Chain0



Mode:802.11ac VHT80 Frequency:5610MHz
Ant:Chain0



Mode:802.11ac VHT80 Frequency:5530MHz
Ant:Chain1



Mode:802.11ac VHT80 Frequency:5610MHz
Ant:Chain1

Transmitter Power Spectral Density

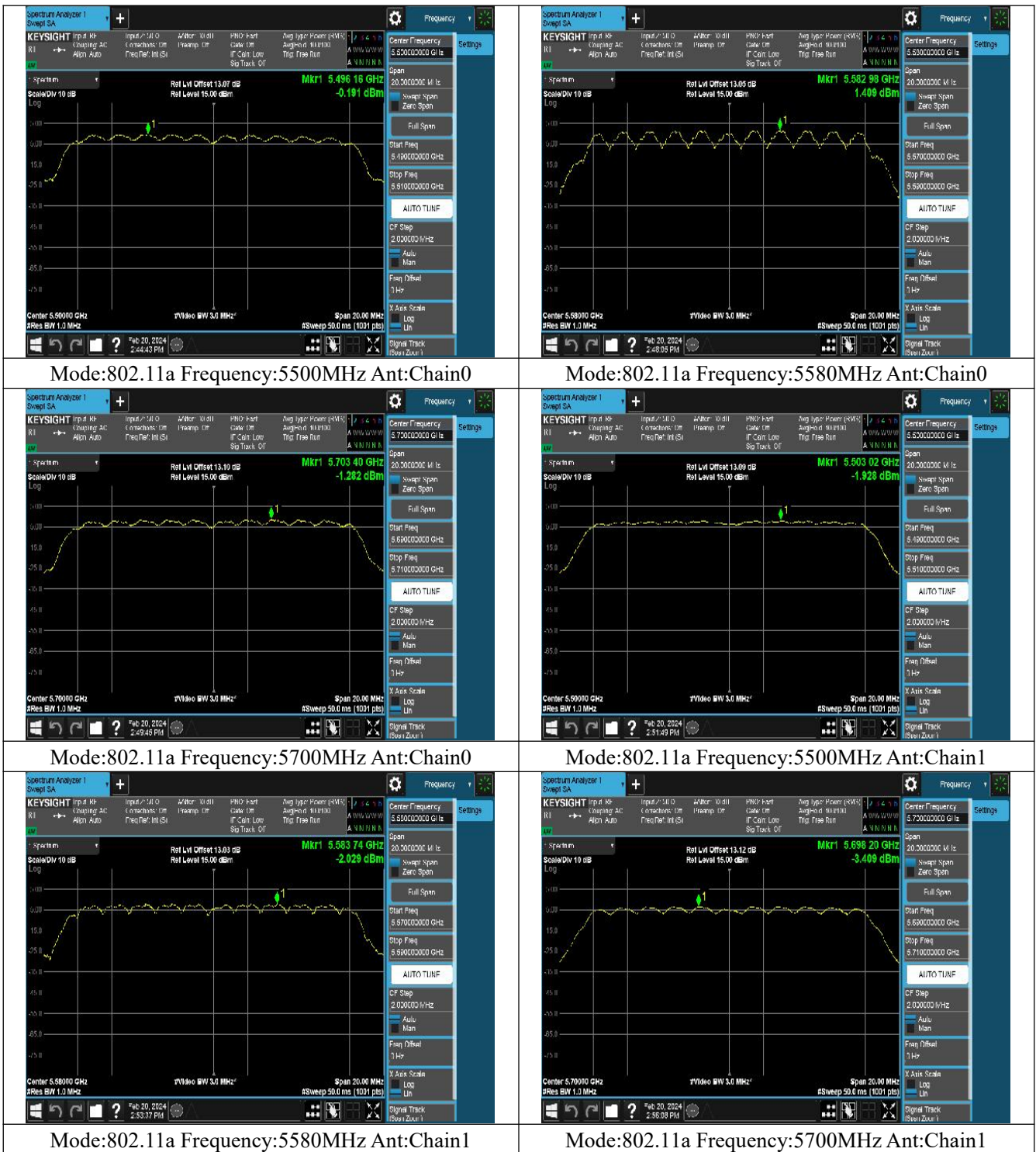
Offset 1.2dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	Tones	5500MHz		5580MHz		5700MHz	
			Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)
802.11a	Chain0	NA	0.00	-0.191	0.00	1.409	0.00	-1.282
802.11a	Chain1	NA	0.00	-1.928	0.00	-2.029	0.00	-3.409
802.11n HT20	Chain0	NA	0.00	-1.301	0.00	-1.303	0.00	-2.324
802.11n HT20	Chain1	NA	0.00	-2.769	0.00	-3.407	0.00	-4.403
802.11n HT20	MIMO	NA	0.00	1.037	0.00	0.781	0.00	-0.230
802.11ac VHT20	Chain0	NA	0.00	-1.574	0.00	-1.095	0.00	-2.452
802.11ac VHT20	Chain1	NA	0.00	-2.701	0.00	-3.401	0.00	-4.505
802.11ac VHT20	MIMO	NA	0.00	0.909	0.00	0.914	0.00	-0.348

Test Mode	Antenna	Tones	5510MHz		5590MHz		5670MHz	
			Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)
802.11n HT40	Chain0	NA	0.00	-4.509	0.00	-5.859	0.00	-6.647
802.11n HT40	Chain1	NA	0.00	-6.973	0.00	-7.794	0.00	-8.699
802.11n HT40	MIMO	NA	0.00	-2.558	0.00	-3.709	0.00	-4.543
802.11ac VHT40	Chain0	NA	0.00	-5.429	0.00	-5.946	0.00	-6.819
802.11ac VHT40	Chain1	NA	0.00	-7.338	0.00	-7.488	0.00	-8.457
802.11ac VHT40	MIMO	NA	0.00	-3.269	0.00	-3.639	0.00	-4.551

Test Mode	Antenna	Tones	5530MHz		---		5610MHz	
			Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)
802.11ac VHT80	Chain0	NA	0.00	-9.689	---	---	0.00	-10.844
802.11ac VHT80	Chain1	NA	0.00	-12.597	---	---	0.00	-13.436
802.11ac VHT80	MIMO	NA	0.00	-7.894	---	---	0.00	-8.939

Test Mode: 802.11a



Test Mode: 802.11n HT20



Mode:802.11n HT20 Frequency:5500MHz Ant:Chain0



Mode:802.11n HT20 Frequency:5580MHz Ant:Chain0



Mode:802.11n HT20 Frequency:5700MHz Ant:Chain0



Mode:802.11n HT20 Frequency:5500MHz Ant:Chain1



Mode:802.11n HT20 Frequency:5580MHz Ant:Chain1

Mode:802.11n HT20 Frequency:5700MHz Ant:Chain1

Test Mode: 802.11ac VHT20



Mode:802.11ac VHT20 Frequency:5500MHz
Ant:Chain0



Mode:802.11ac VHT20 Frequency:5580MHz
Ant:Chain0



Mode:802.11ac VHT20 Frequency:5700MHz
Ant:Chain0



Mode:802.11ac VHT20 Frequency:5500MHz
Ant:Chain1



Mode:802.11ac VHT20 Frequency:5580MHz
Ant:Chain1



Mode:802.11ac VHT20 Frequency:5700MHz
Ant:Chain1

Test Mode: 802.11n HT40



Mode:802.11n HT40 Frequency:5510MHz Ant:Chain0



Mode:802.11n HT40 Frequency:5590MHz Ant:Chain0



Mode:802.11n HT40 Frequency:5670MHz Ant:Chain0



Mode:802.11n HT40 Frequency:5510MHz Ant:Chain1



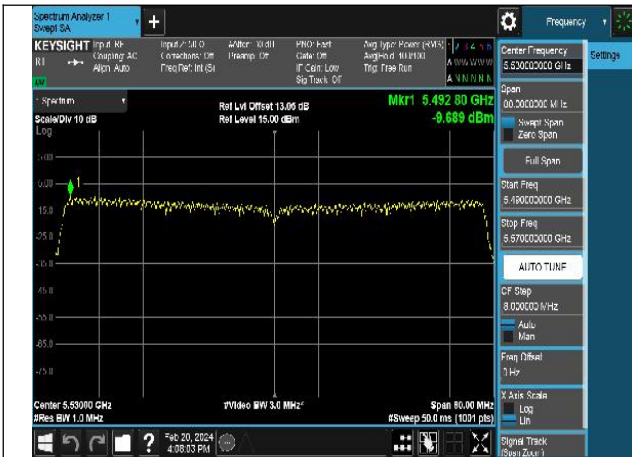
Mode:802.11n HT40 Frequency:5590MHz Ant:Chain1

Mode:802.11n HT40 Frequency:5670MHz Ant:Chain1

Test Mode: 802.11ac VHT40



Test Mode: 802.11ac VHT80



Mode:802.11ac VHT80 Frequency:5530MHz
Ant:Chain0



Mode:802.11ac VHT80 Frequency:5610MHz
Ant:Chain0



Mode:802.11ac VHT80 Frequency:5530MHz
Ant:Chain1



Mode:802.11ac VHT80 Frequency:5610MHz
Ant:Chain1

Dynamic Frequency Selection

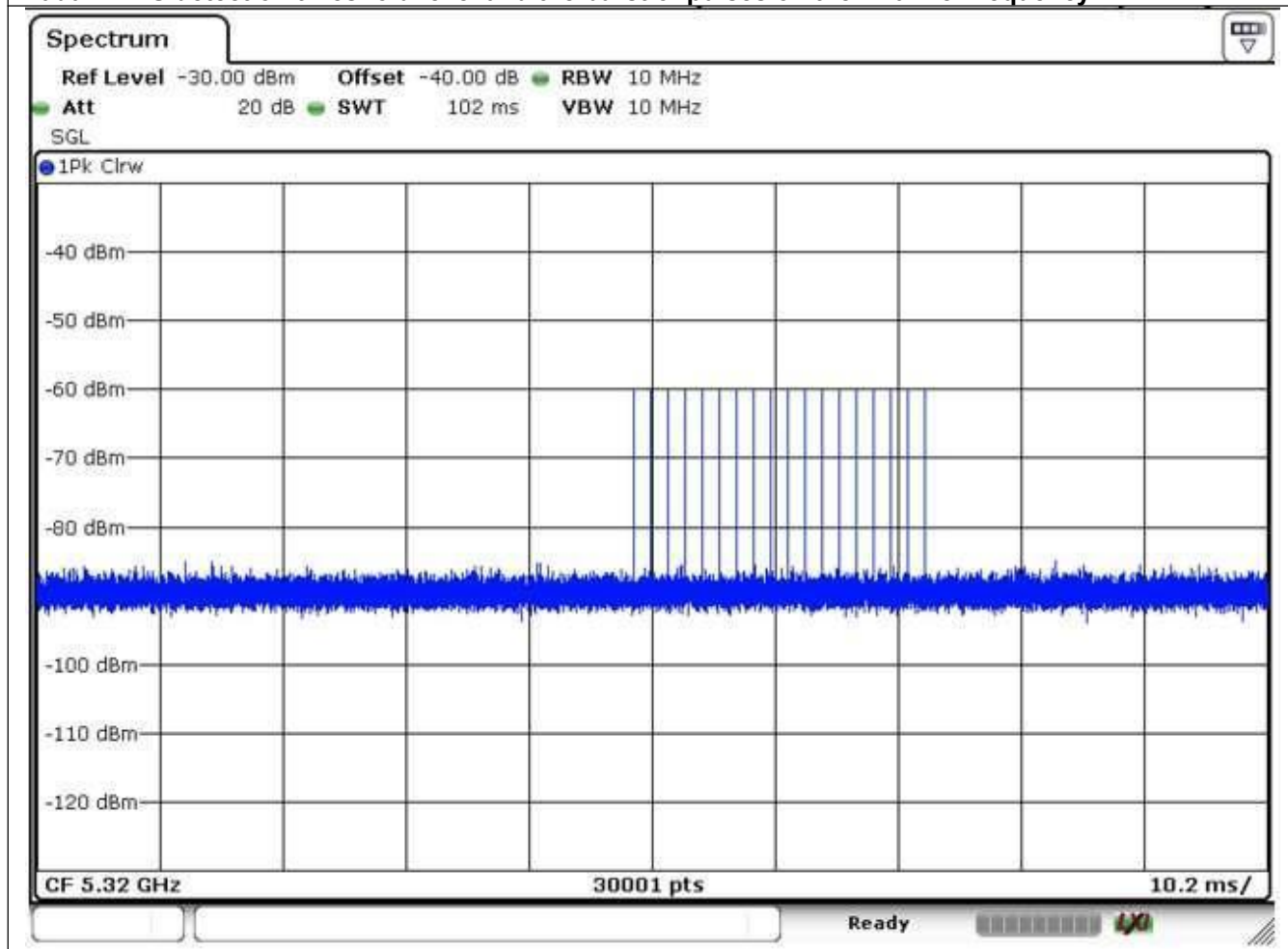
DESCRIPTION OF Master Device

The Master Device is a SKSpruce Technologies Co., Ltd., Indoor Access Point, FCC ID: 2AHKT-WIA3300-20, Antenna gain: 3 dBi. The rated output power of the Master unit is > 23dBm (EIRP). Therefore the required interference threshold level is -64dBm

Radar Waveform Calibration Result

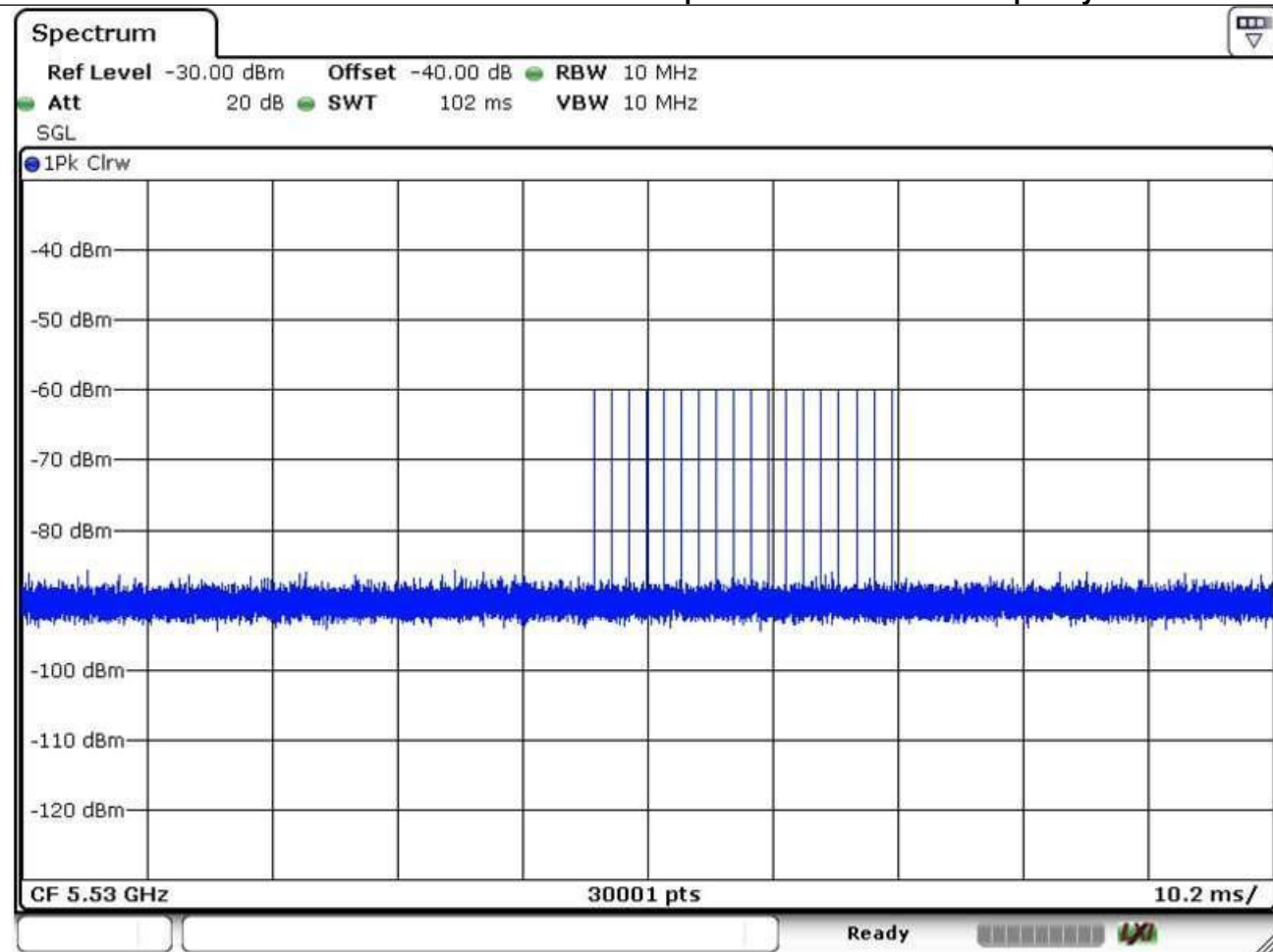
<20MHz / 5320 MHz> Radar Type 0

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

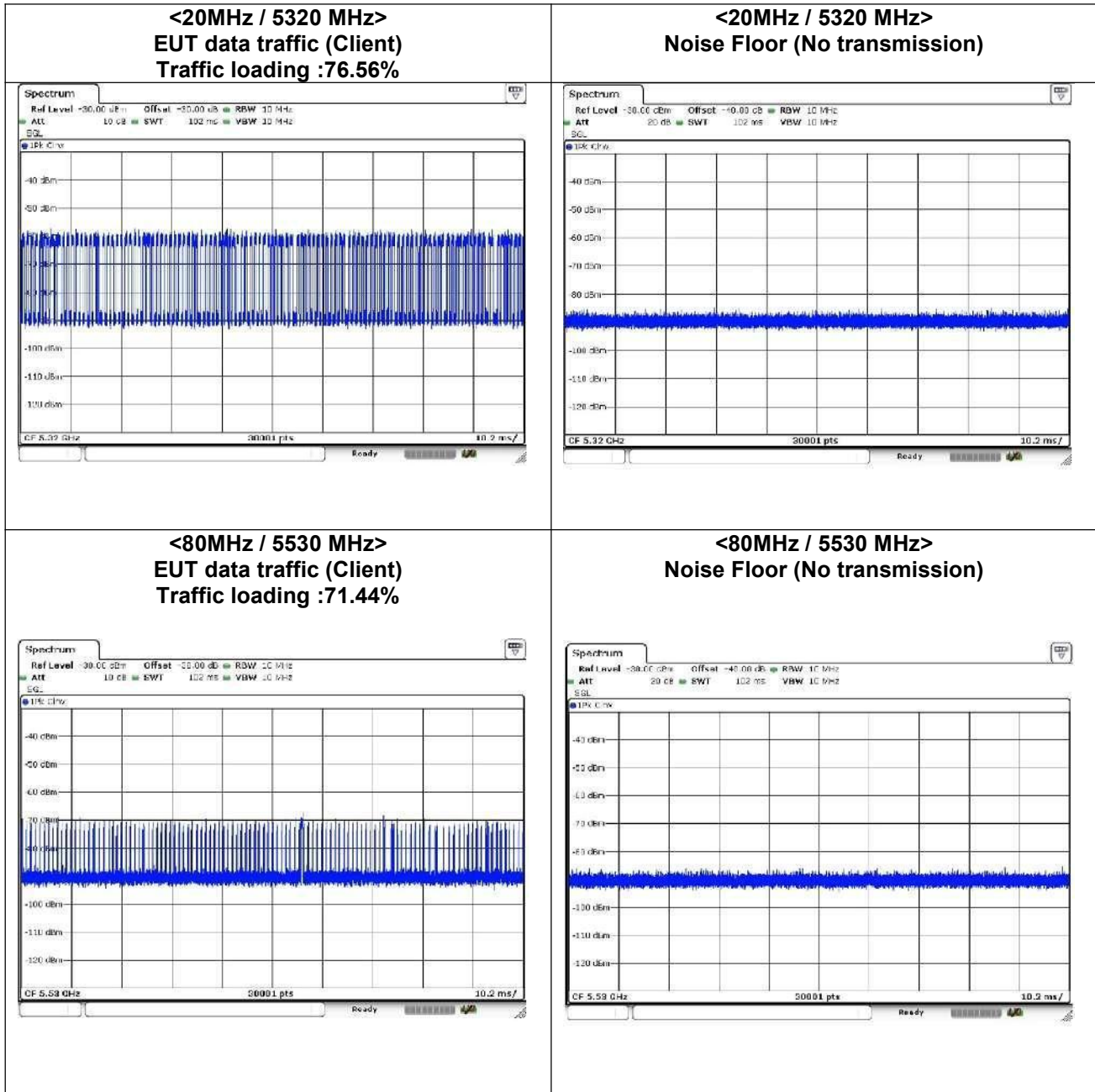


<80MHz / 5530 MHz> Radar Type 0

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

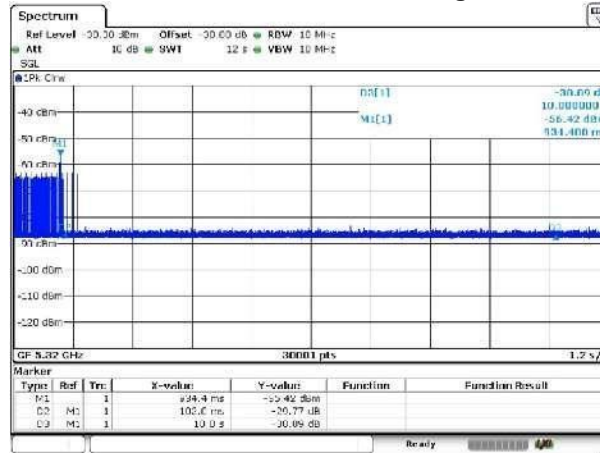
Frequency	Test Item	Test Result	Limit	Pass/Fail
5320MHz	Channel Move Time	< 10s*	< 10s	Pass
	Channel Closing Transmission Time	102.0ms	< 260ms	Pass
	Non-Occupancy Period	≥ 30	≥ 30 min	Pass
5530MHz	Channel Move Time	< 10s*	< 10s	Pass
	Channel Closing Transmission Time	102.0ms	< 260ms	Pass
	Non-Occupancy 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

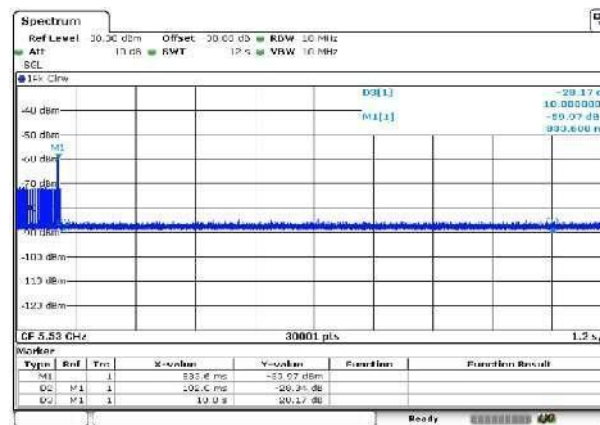
<20MHz / 5320 MHz>

Channel Move Time & Channel Closing Transmission Time



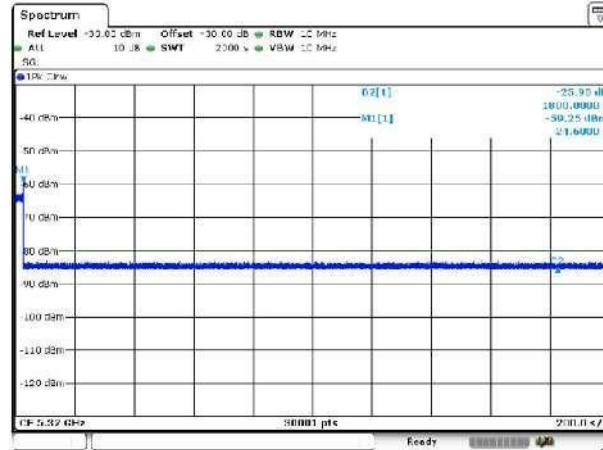
<80MHz / 5530 MHz>

Channel Move Time & Channel Closing Transmission Time



<20MHz / 5320 MHz>

Channel Move Time & Channel Closing Transmission Time



<80MHz / 5530 MHz>

Channel Move Time & Channel Closing Transmission Time

