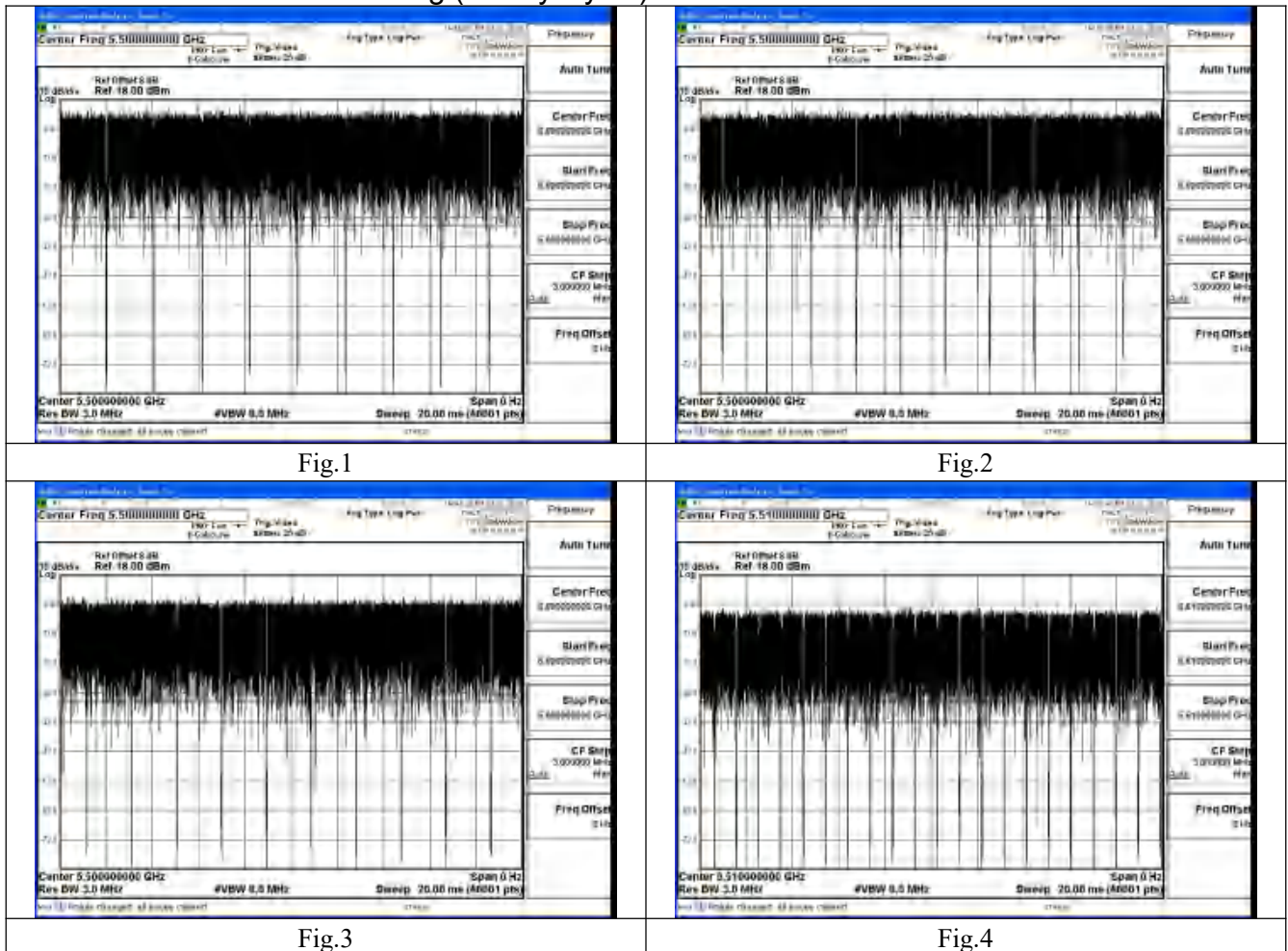


APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Antenna	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	Chain0	5500	99.23%	0	Fig.1
802.11n HT20	Chain0	5500	99.16%	0	Fig.2
802.11ac VHT20	Chain0	5500	99.15%	0	Fig.3
802.11n HT40	Chain0	5510	98.23%	0	Fig.4
802.11ac VHT40	Chain0	5510	98.25%	0	Fig.5
802.11ac VHT80	Chain0	5530	96.36%	0.16	Fig.6

Note: Correction Factor=10*log (1/Duty Cycle)



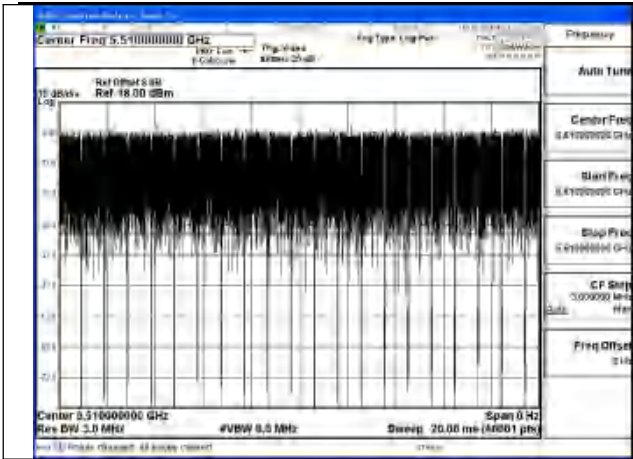


Fig.5

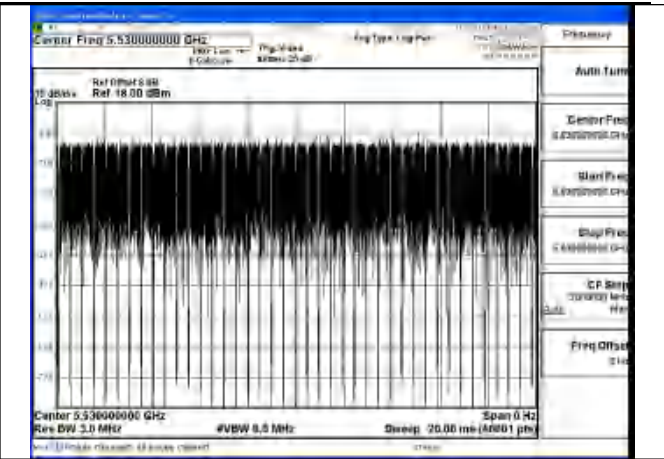


Fig.6

Output Power

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5500	Chain0	10.99	10.69
802.11a	NA	5580	Chain0	10.86	10.56
802.11a	NA	5700	Chain0	10.79	10.49
802.11n HT20	NA	5500	Chain0	10.88	10.58
802.11n HT20	NA	5580	Chain0	10.67	10.37
802.11n HT20	NA	5700	Chain0	10.68	10.38
802.11ac VHT20	NA	5500	Chain0	10.90	10.60
802.11ac VHT20	NA	5580	Chain0	10.69	10.39
802.11ac VHT20	NA	5700	Chain0	10.48	10.18
802.11n HT40	NA	5510	Chain0	10.82	10.52
802.11n HT40	NA	5590	Chain0	10.68	10.38
802.11n HT40	NA	5670	Chain0	10.67	10.37
802.11ac VHT40	NA	5510	Chain0	10.84	10.54
802.11ac VHT40	NA	5590	Chain0	9.83	9.53
802.11ac VHT40	NA	5670	Chain0	10.53	10.23
802.11ac VHT80	NA	5530	Chain0	10.62	10.32
802.11ac VHT80	NA	5610	Chain0	10.84	10.54



Emission Bandwidth

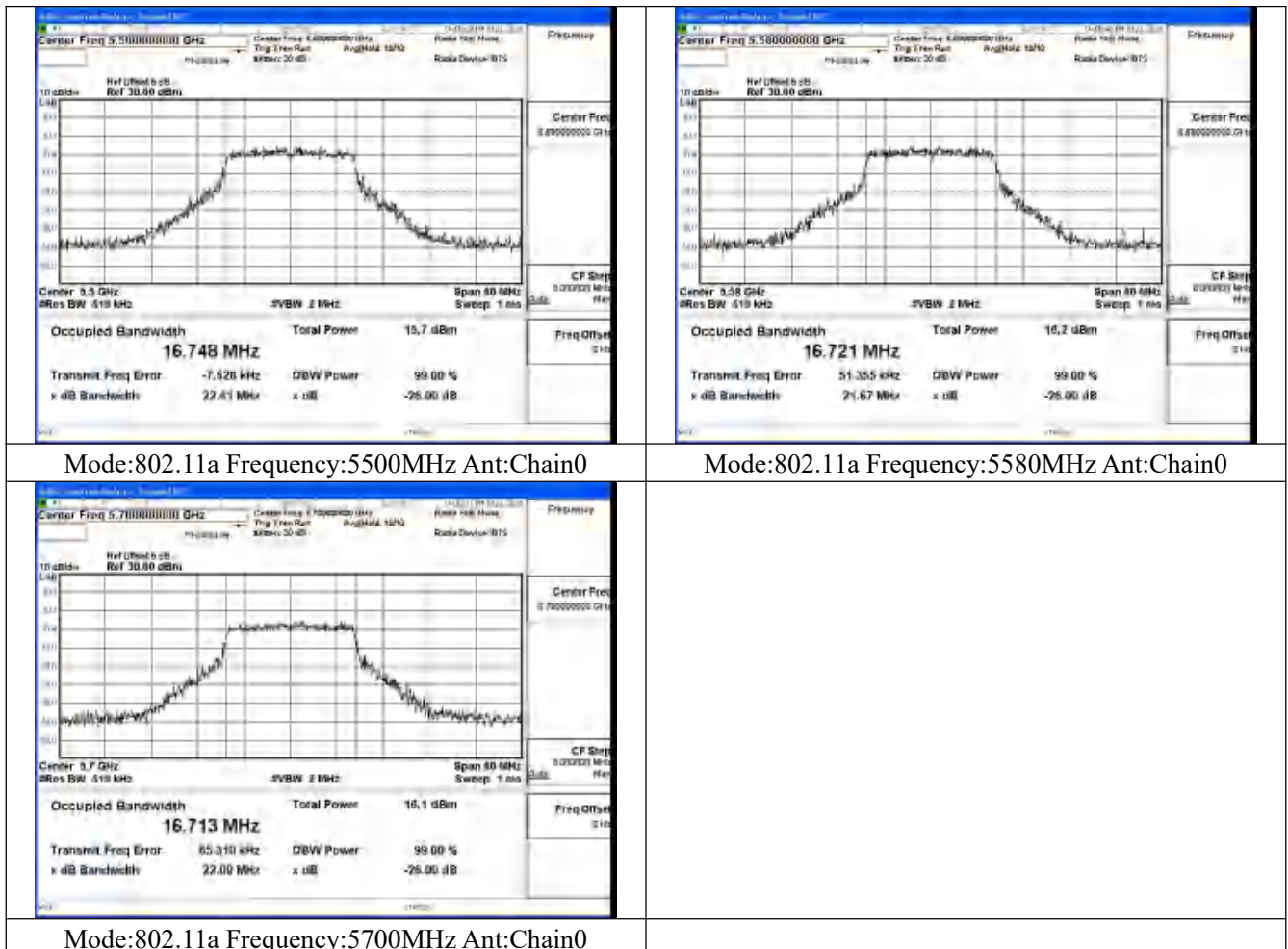
Offset 8dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	26dB Bandwidth (MHz)		
		5500MHz	5580MHz	5700MHz
802.11a	Chain0	22.41	21.67	22.09
802.11n HT20	Chain0	21.97	21.64	23.52
802.11ac VHT20	Chain0	22.61	24.02	21.68

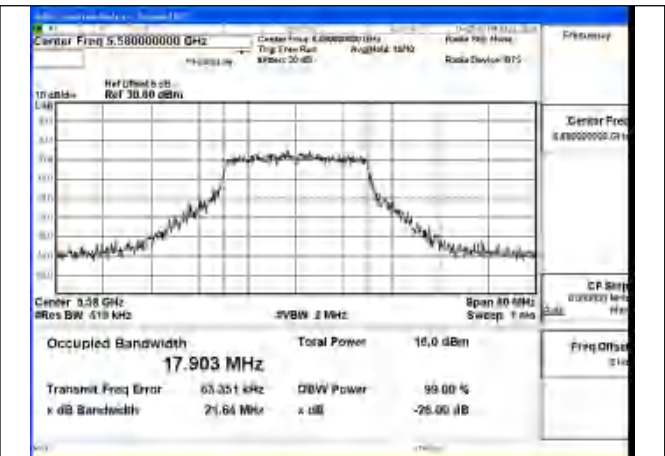
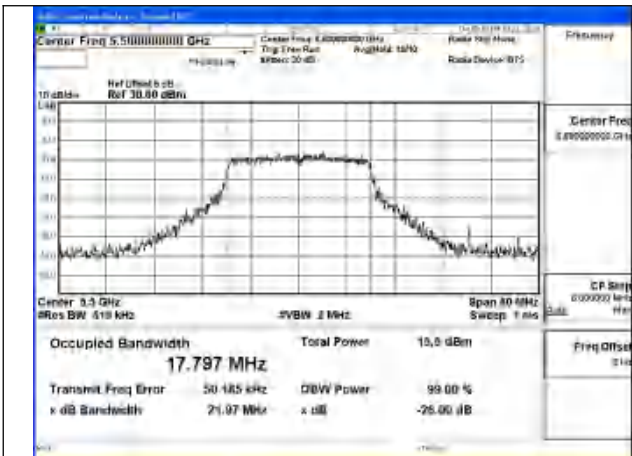
Test Mode	Antenna	26dB Bandwidth (MHz)		
		5510MHz	5590MHz	5670MHz
802.11n HT40	Chain0	41.25	40.73	40.89
802.11ac VHT40	Chain0	40.71	40.80	41.18

Test Mode	Antenna	26dB Bandwidth (MHz)		
		5530MHz	---	5610MHz
802.11ac VHT80	Chain0	81.92	---	84.43

Test Mode: 802.11a

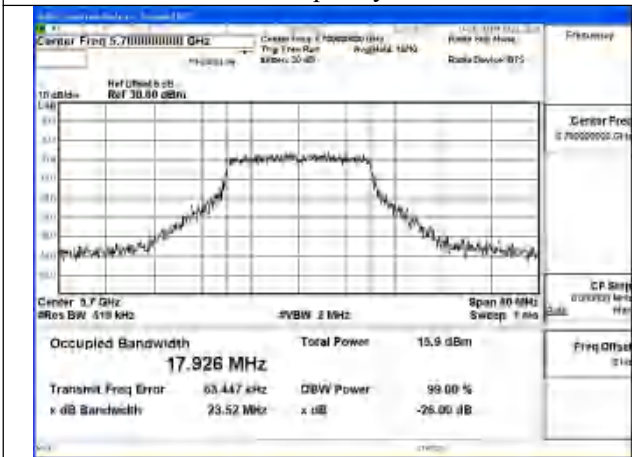


Test Mode: 802.11n HT20



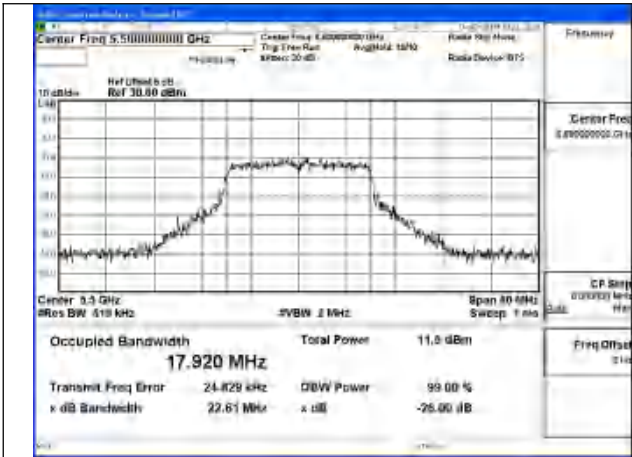
Mode:802.11n HT20 Frequency:5500MHz Ant:Chain0

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

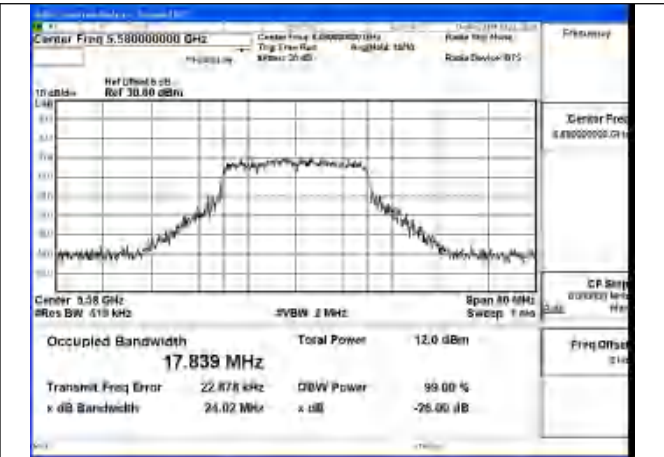


Mode:802.11n HT20 Frequency:5700MHz Ant:Chain0

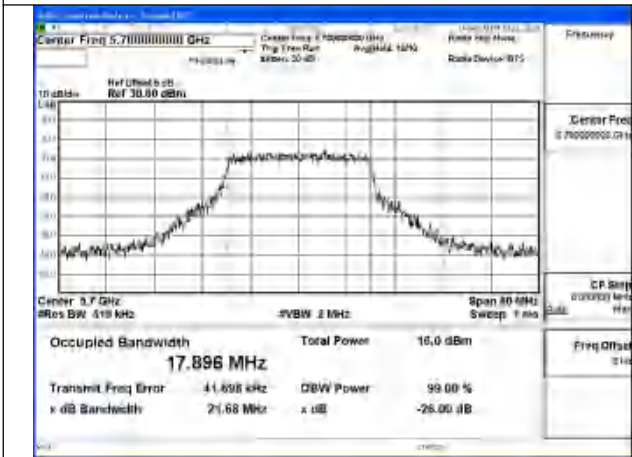
Test Mode: 802.11ac VHT20



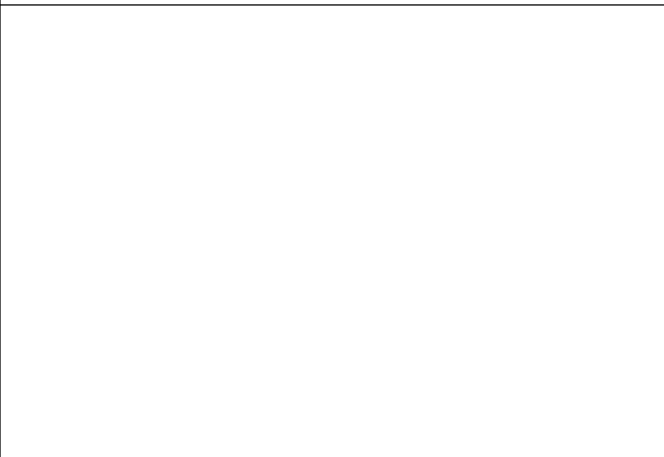
Mode:802.11ac VHT20 Frequency:5500MHz
 Ant:Chain0



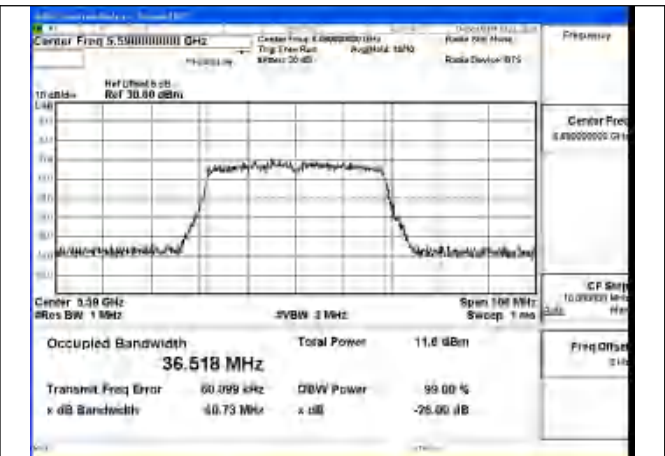
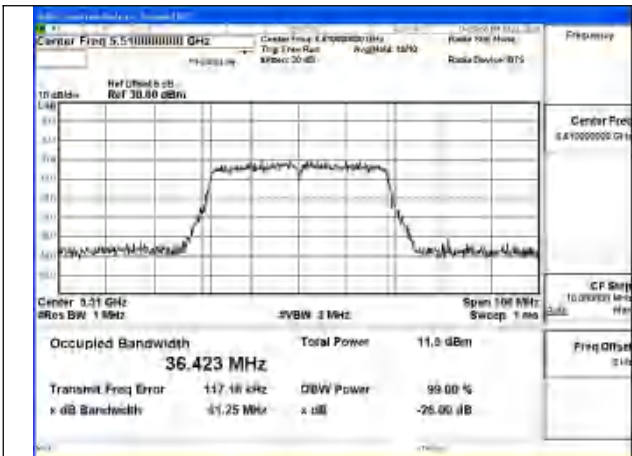
Mode:802.11ac VHT20 Frequency:5580MHz
 Ant:Chain0



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

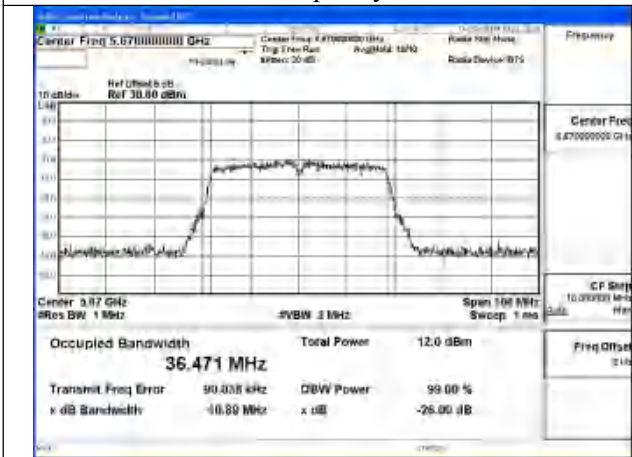


Test Mode: 802.11n HT40



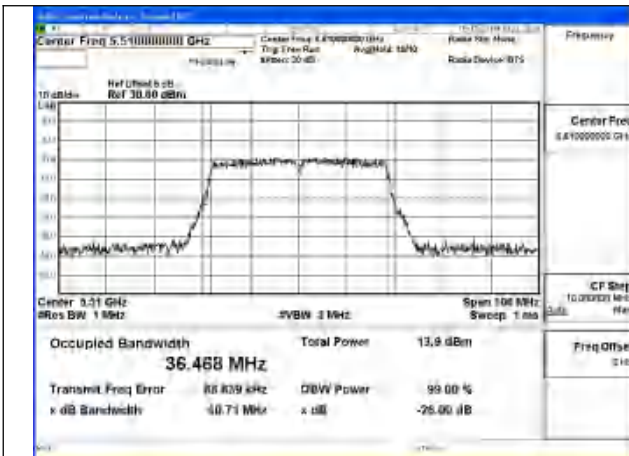
Mode:802.11n HT40 Frequency:5510MHz Ant:Chain0

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

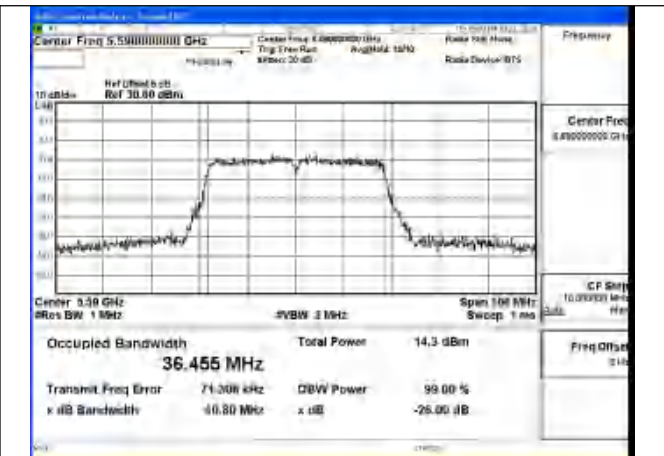


Mode:802.11n HT40 Frequency:5670MHz Ant:Chain0

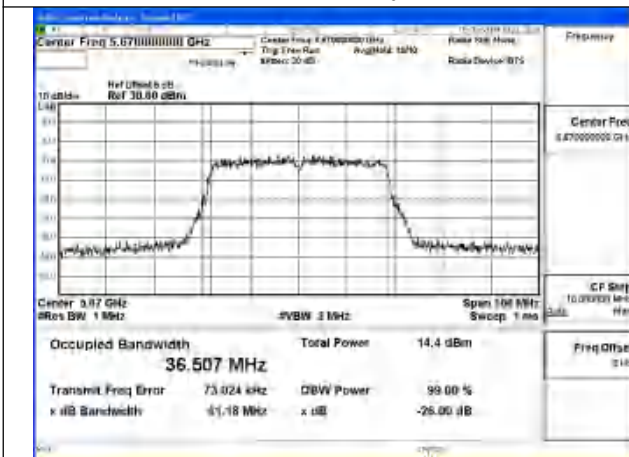
Test Mode: 802.11ac VHT40



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

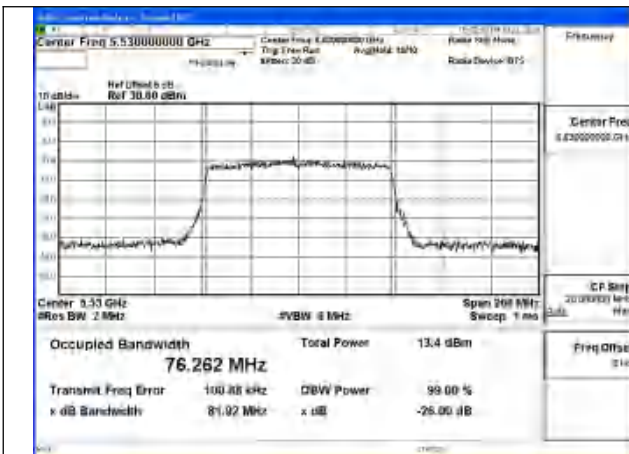


Mode:802.11ac VHT40 Frequency:5590MHz
Ant:Chain0

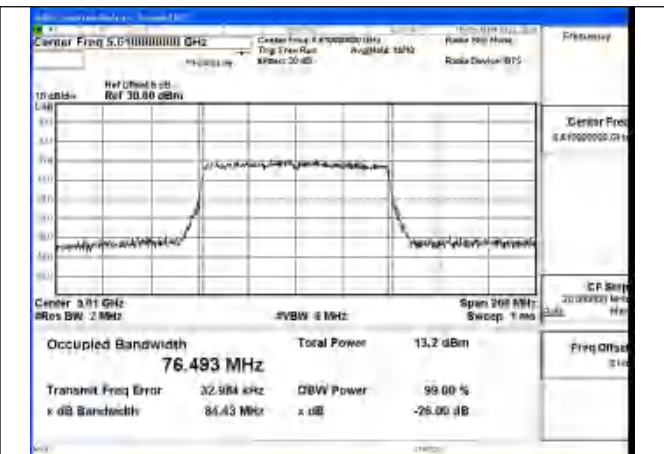


Mode:802.11ac VHT40 Frequency:5670MHz
Ant:Chain0

Test Mode: 802.11ac VHT80



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



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



Occupied Bandwidth

Offset 8dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5500MHz	5580MHz	5700MHz
802.11a	Chain0	16.730	16.752	16.764
802.11n HT20	Chain0	17.942	17.921	17.851
802.11ac VHT20	Chain0	17.931	17.838	17.989

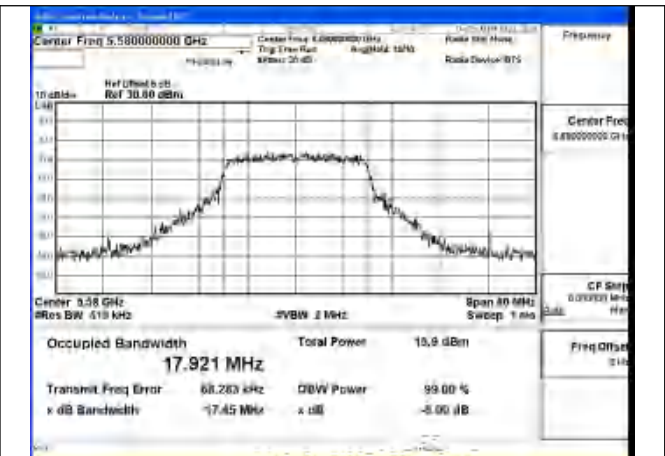
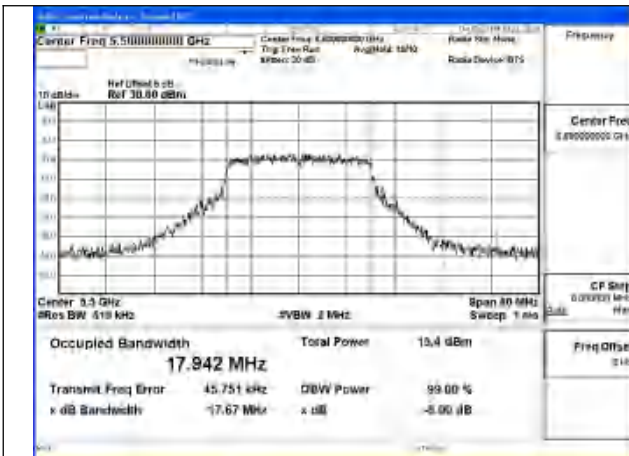
Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5510MHz	5590MHz	5670MHz
802.11n HT40	Chain0	36.439	36.548	36.471
802.11ac VHT40	Chain0	36.438	36.472	36.553

Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5530MHz	---	5610MHz
802.11ac VHT80	Chain0	76.117	---	76.450

Test Mode: 802.11a

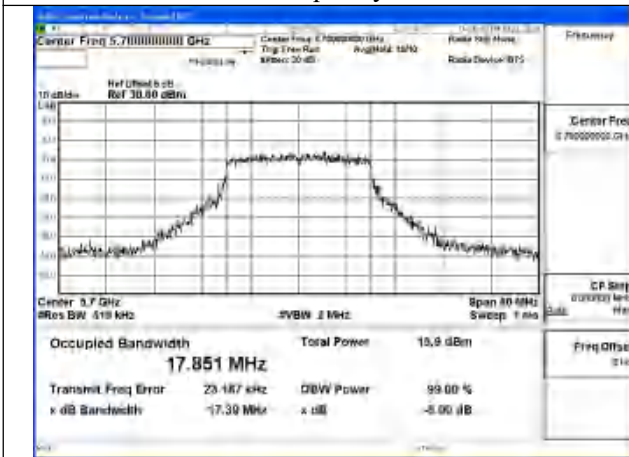
Mode:802.11a Frequency:5500MHz Ant:Chain0	Mode:802.11a Frequency:5580MHz Ant:Chain0
Mode:802.11a Frequency:5700MHz Ant:Chain0	

Test Mode: 802.11n HT20

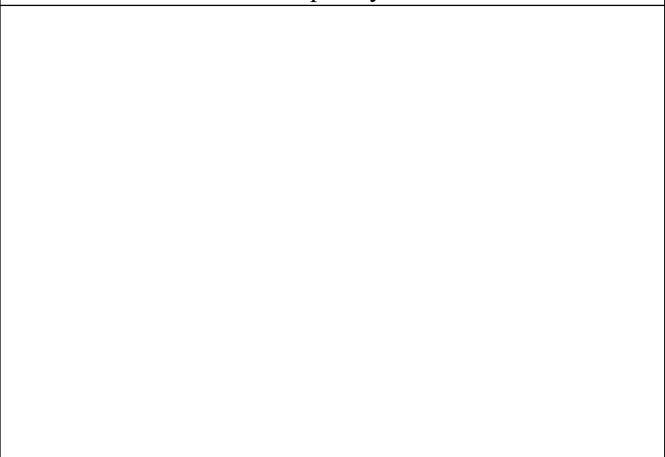


Mode:802.11n HT20 Frequency:5500MHz Ant:Chain0

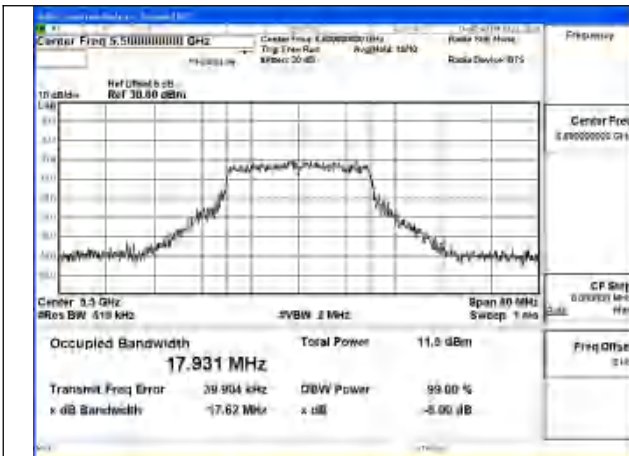
Mode:802.11n HT20 Frequency:5580MHz Ant:Chain0



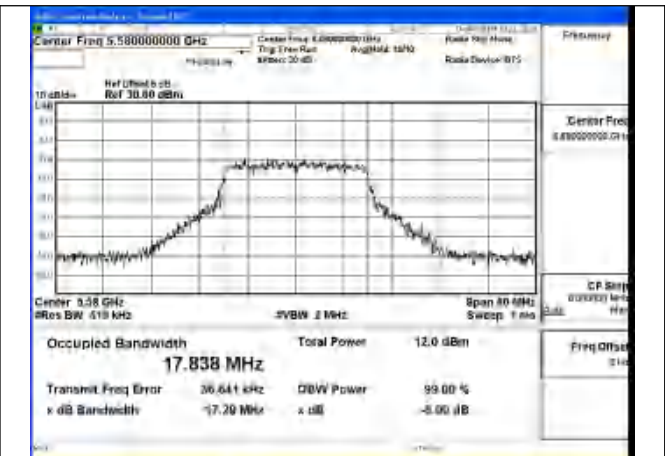
Mode:802.11n HT20 Frequency:5700MHz Ant:Chain0



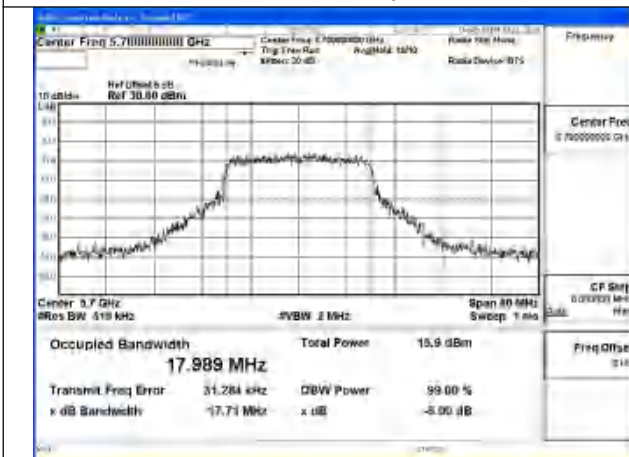
Test Mode: 802.11ac VHT20



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



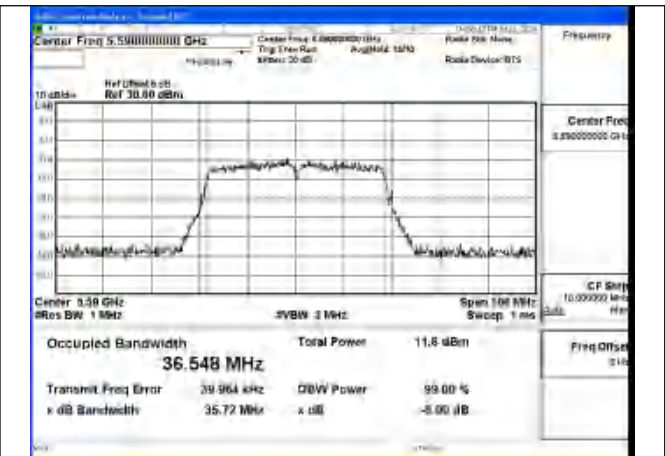
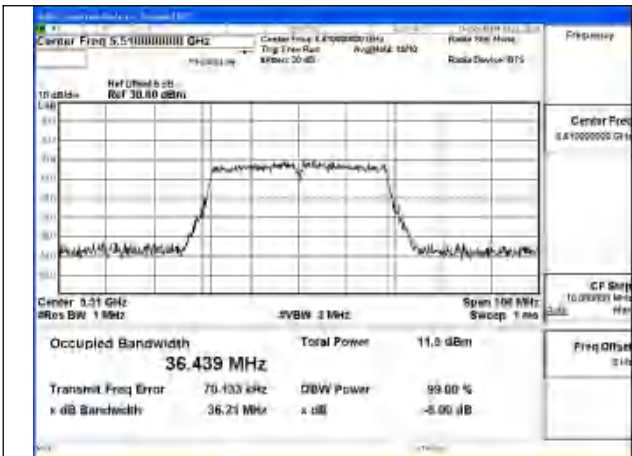
Mode:802.11ac VHT20 Frequency:5580MHz
 Ant:Chain0



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

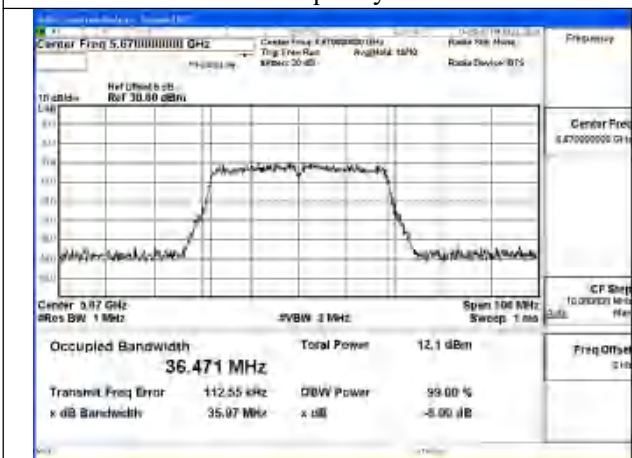


Test Mode: 802.11n HT40



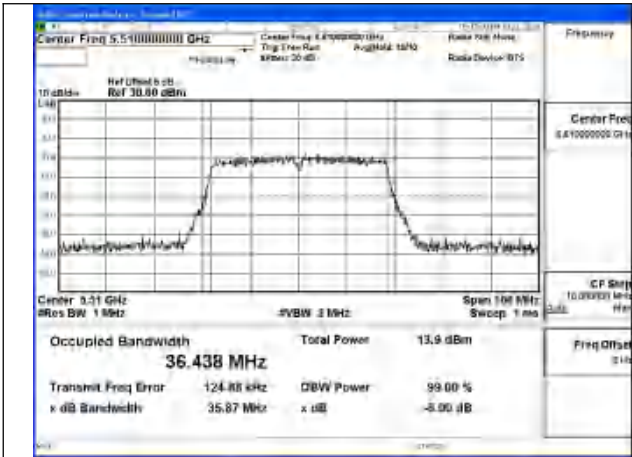
Mode:802.11n HT40 Frequency:5510MHz Ant:Chain0

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

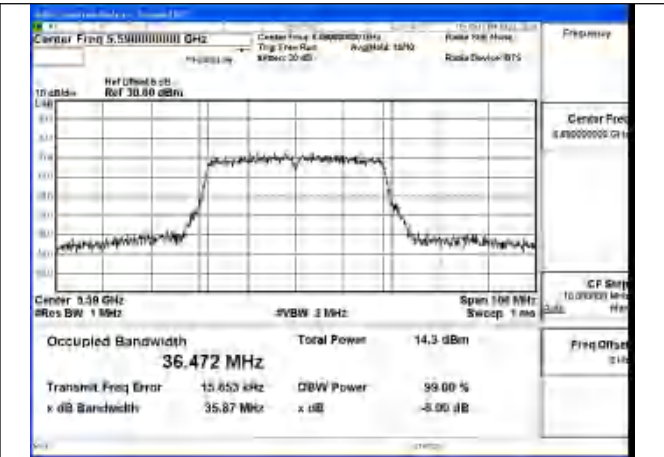


Mode:802.11n HT40 Frequency:5670MHz Ant:Chain0

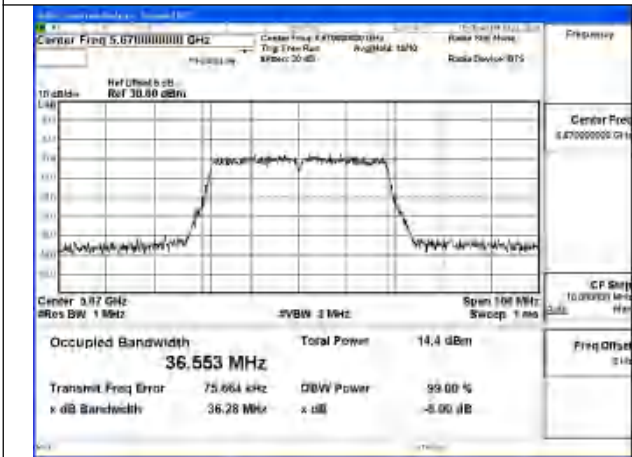
Test Mode: 802.11ac VHT40



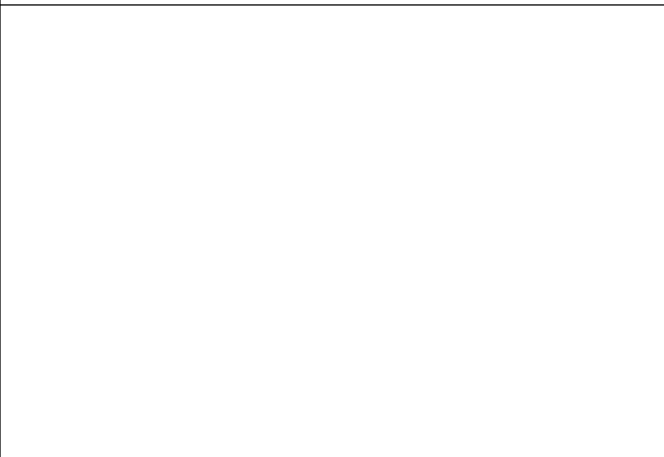
Mode:802.11ac VHT40 Frequency:5510MHz
Ant:Chain0



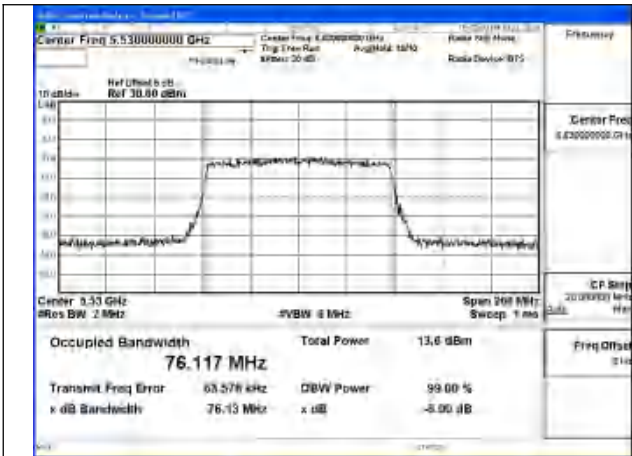
Mode:802.11ac VHT40 Frequency:5590MHz
Ant:Chain0



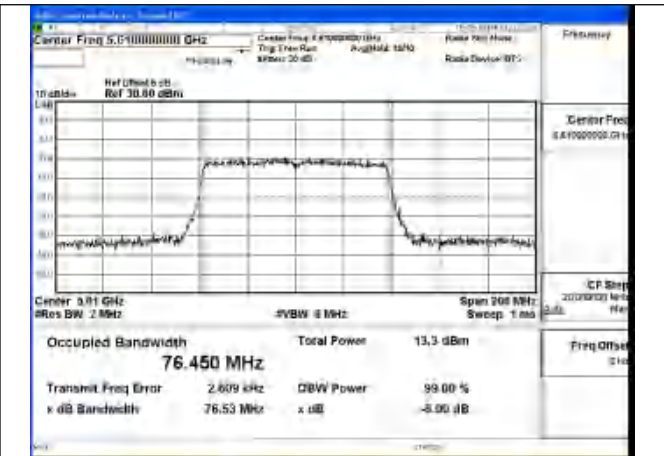
Mode:802.11ac VHT40 Frequency:5670MHz
Ant:Chain0



Test Mode: 802.11ac VHT80



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



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



Transmitter Power Spectral Density

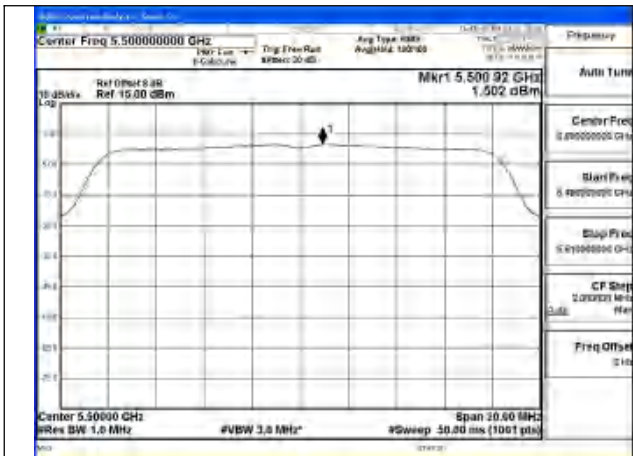
Offset 8dB = Attenuator + Temporary antenna connector loss + Cable loss

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	1.502	0	1.818	0	2.051
802.11n HT20	Chain0	NA	0	1.047	0	1.440	0	1.585
802.11ac VHT20	Chain0	NA	0	-2.881	0	-2.482	0	1.637

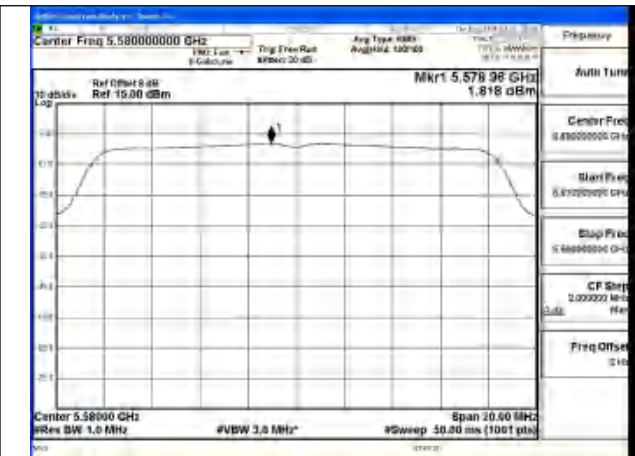
Test Mode	Antenna	Tones	5510MHz		5590MHz		5670MHz	
			Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)
802.11n HT40	Chain0	NA	0	-5.656	0	-5.340	0	-5.142
802.11ac VHT40	Chain0	NA	0	-3.211	0	-2.734	0	-2.661

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	0.16	-6.492	---	---	0.16	-6.237

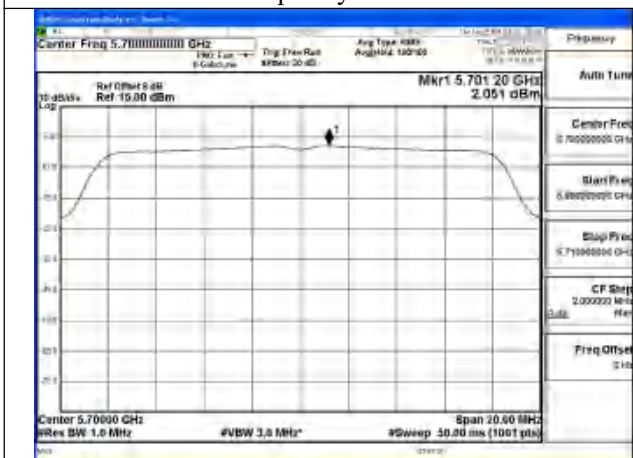
Test Mode: 802.11a



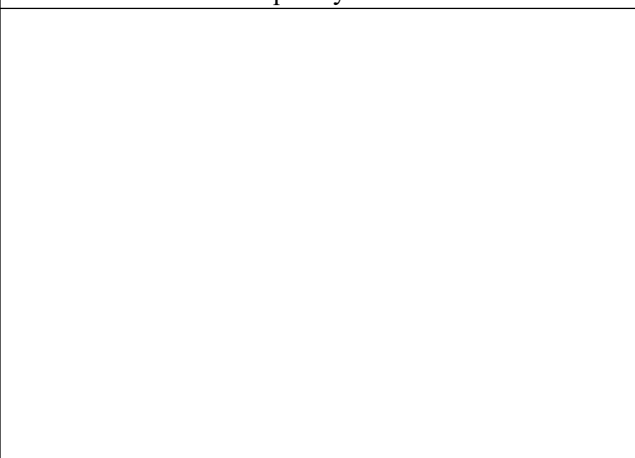
Mode:802.11a Frequency:5500MHz Ant:Chain0



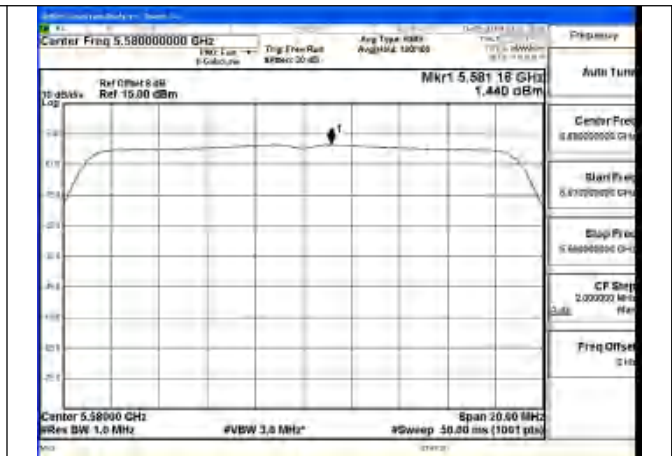
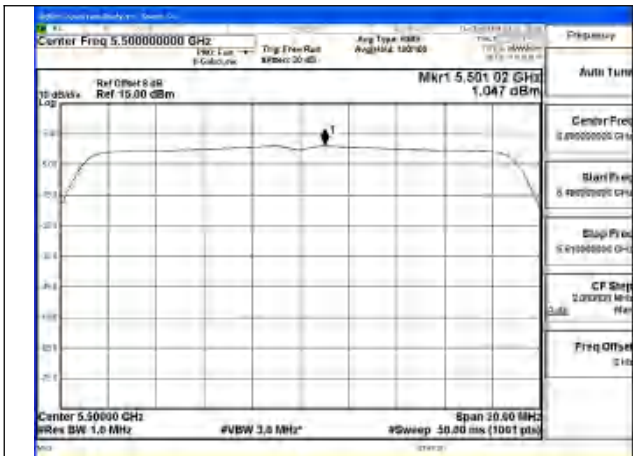
Mode:802.11a Frequency:5580MHz Ant:Chain0



Mode:802.11a Frequency:5700MHz Ant:Chain0

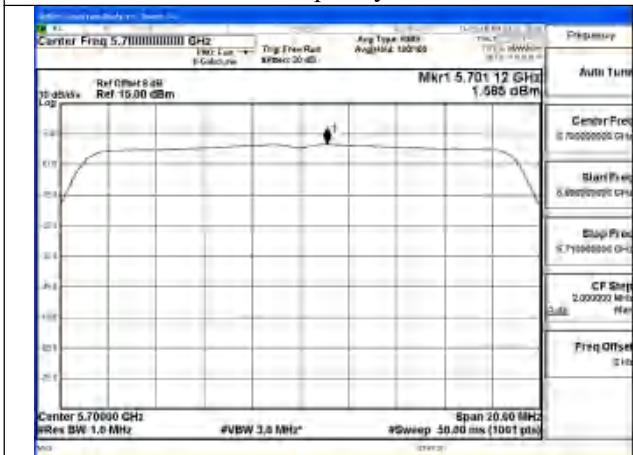


Test Mode: 802.11n HT20

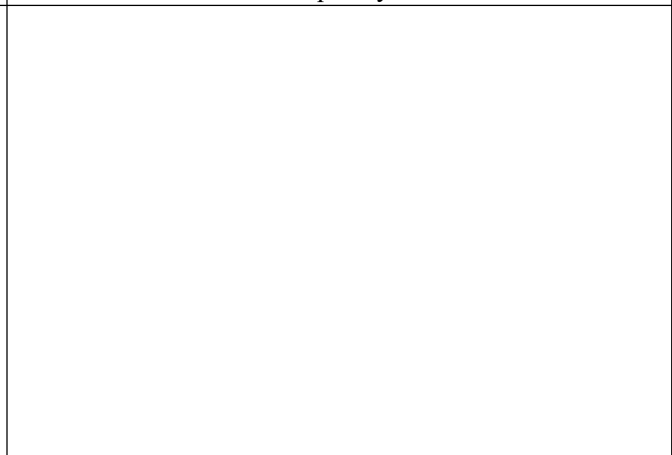


Mode:802.11n HT20 Frequency:5500MHz Ant:Chain0

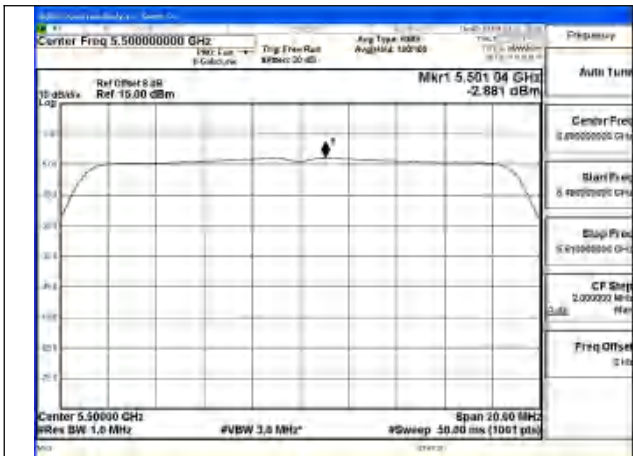
Mode:802.11n HT20 Frequency:5580MHz Ant:Chain0



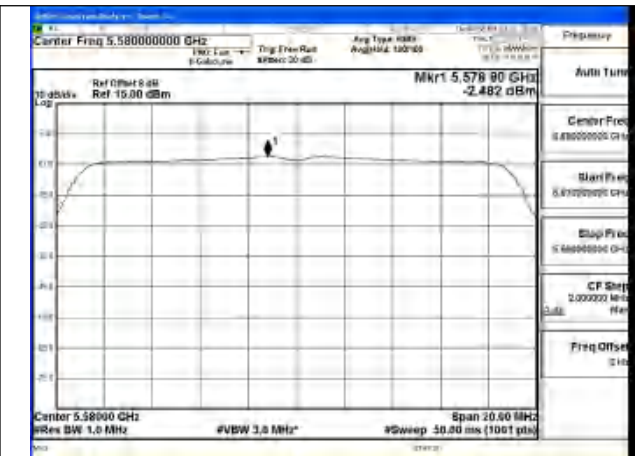
Mode:802.11n HT20 Frequency:5700MHz Ant:Chain0



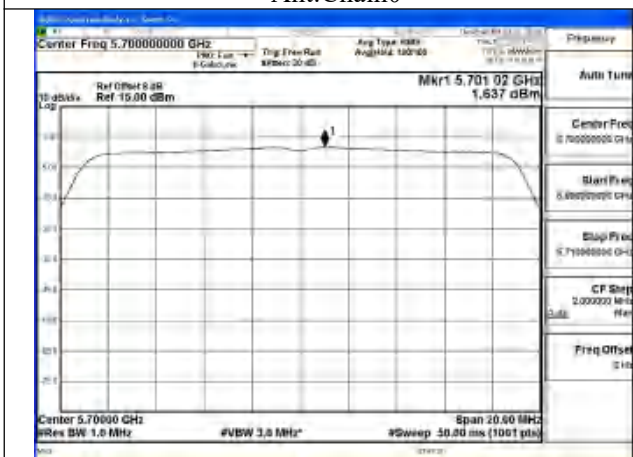
Test Mode: 802.11ac VHT20



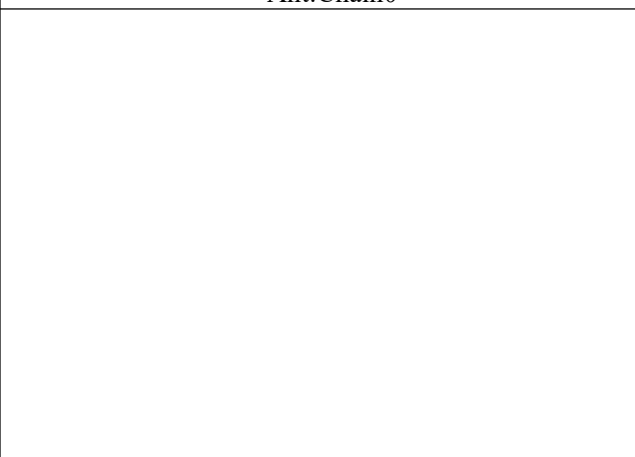
Mode:802.11ac VHT20 Frequency:5500MHz
 Ant:Chain0



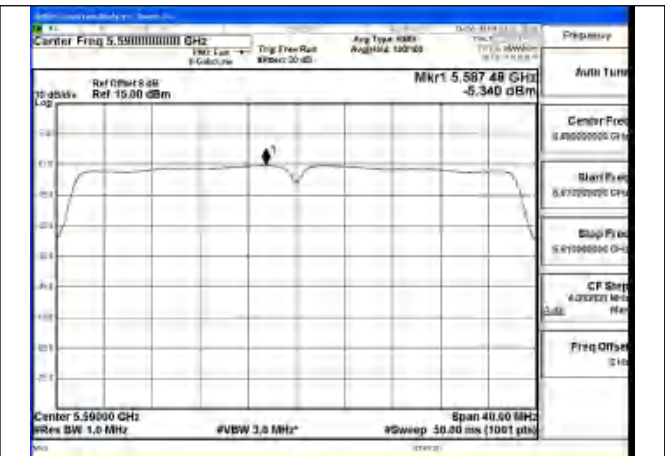
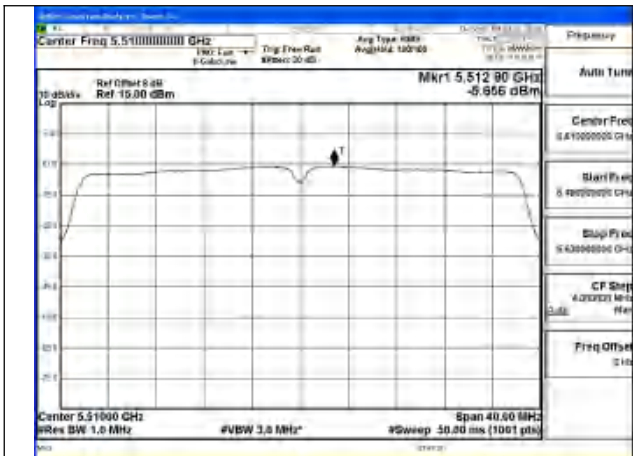
Mode:802.11ac VHT20 Frequency:5580MHz
 Ant:Chain0



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

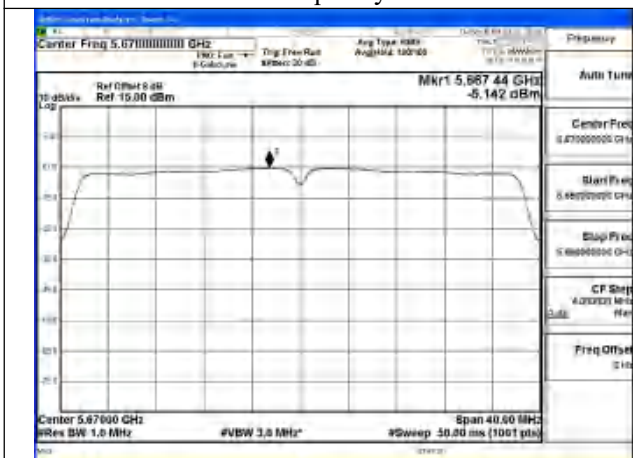


Test Mode: 802.11n HT40

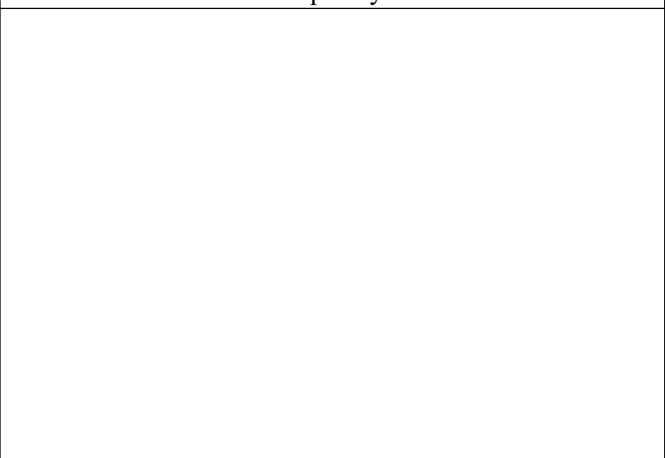


Mode:802.11n HT40 Frequency:5510MHz Ant:Chain0

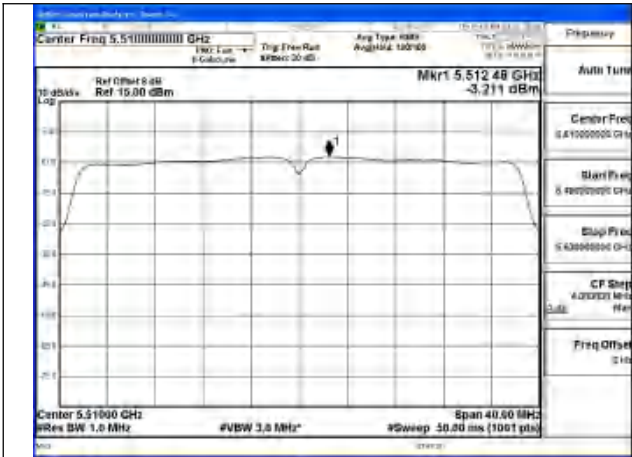
Mode:802.11n HT40 Frequency:5590MHz Ant:Chain0



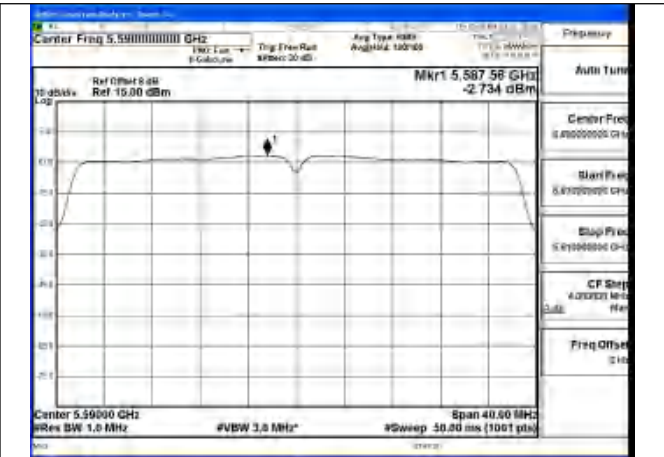
Mode:802.11n HT40 Frequency:5670MHz Ant:Chain0



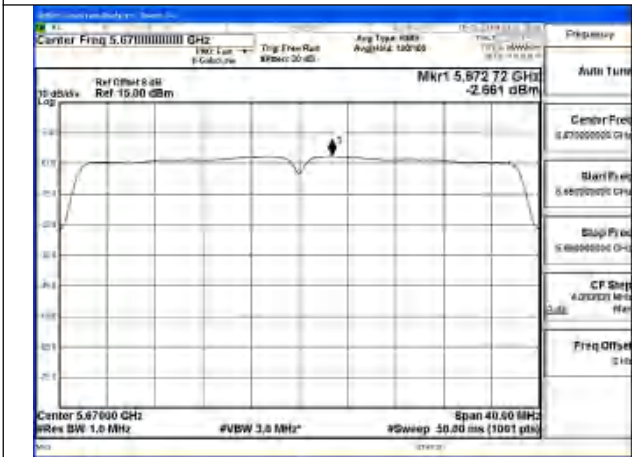
Test Mode: 802.11ac VHT40



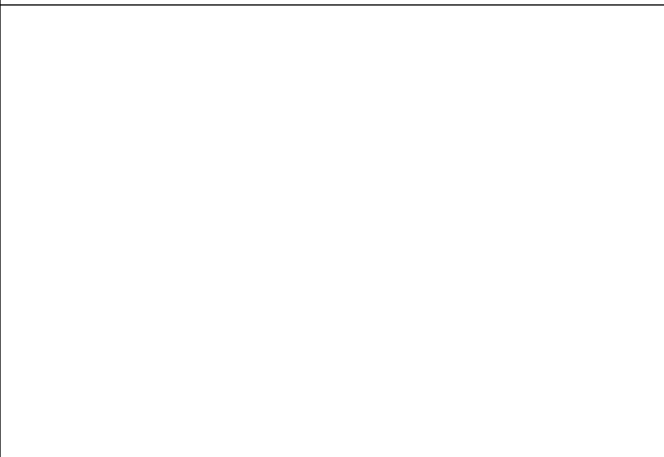
Mode:802.11ac VHT40 Frequency:5510MHz
Ant:Chain0



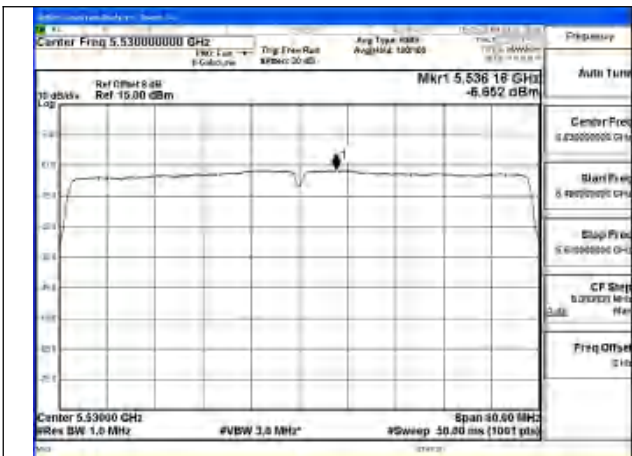
Mode:802.11ac VHT40 Frequency:5590MHz
Ant:Chain0



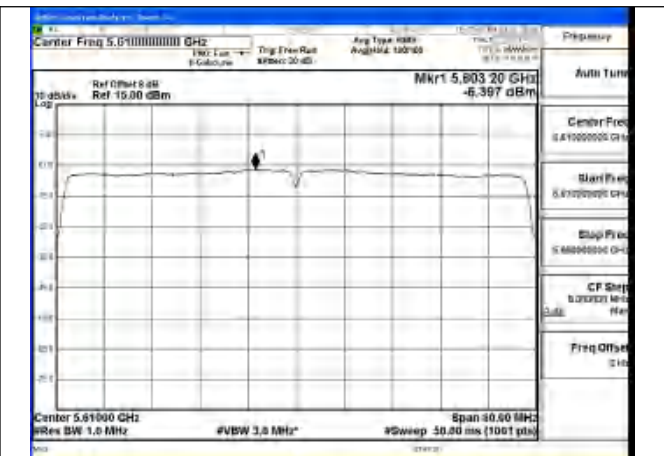
Mode:802.11ac VHT40 Frequency:5670MHz
Ant:Chain0



Test Mode: 802.11ac VHT80



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



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

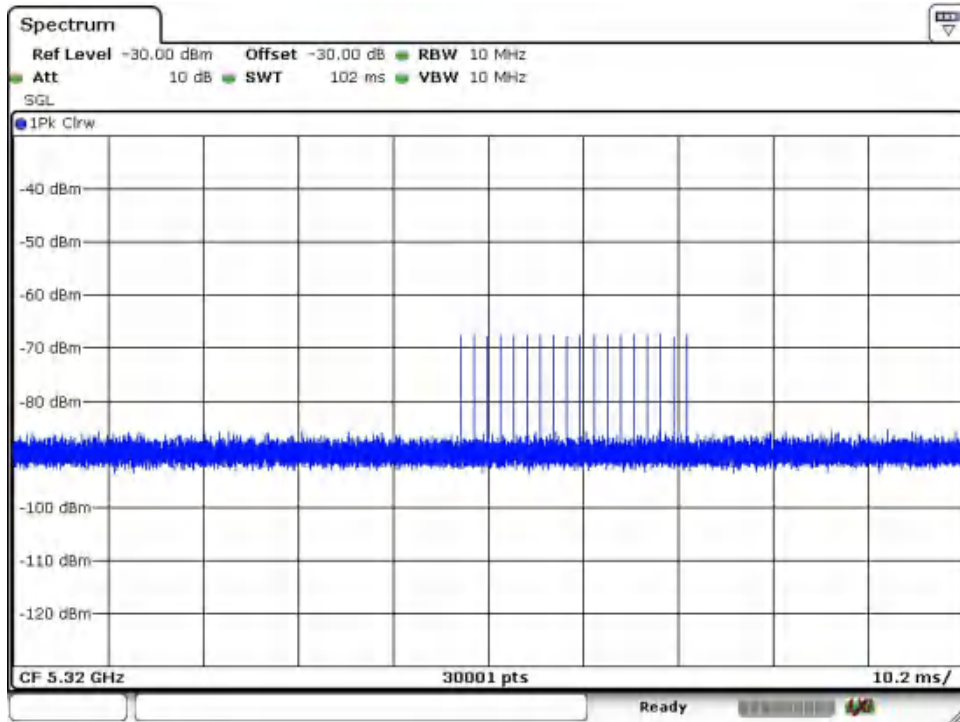
Dynamic Frequency Selection DESCRIPTION OF Master Device

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

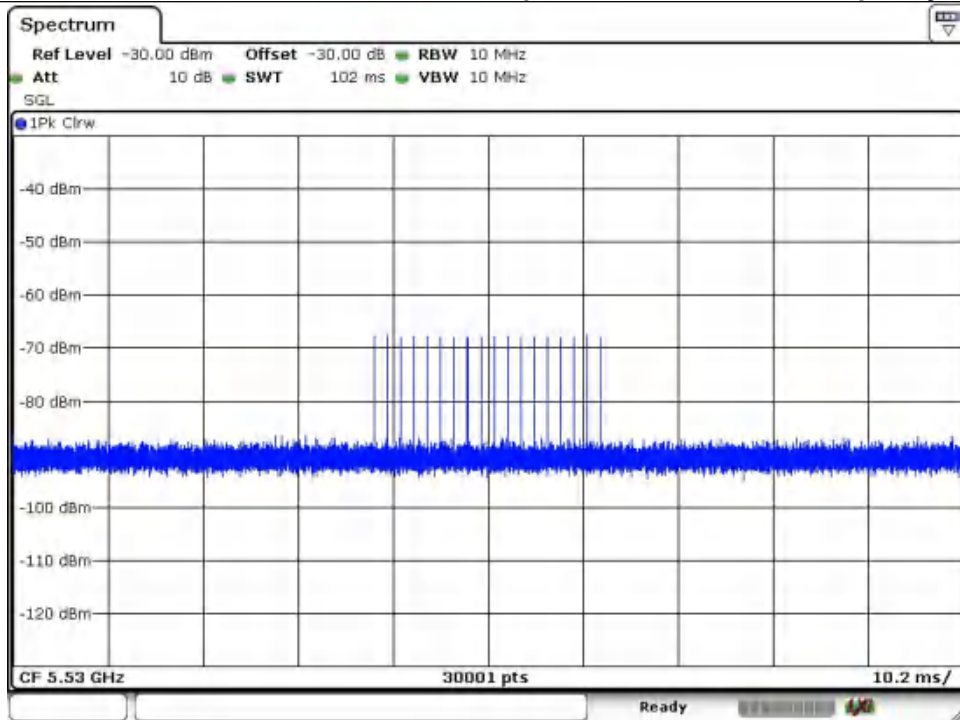
Radar / DFS detection threshold level and the burst of pulses on the Channel frequency



Date: 9 AUG 2024 17:36:48

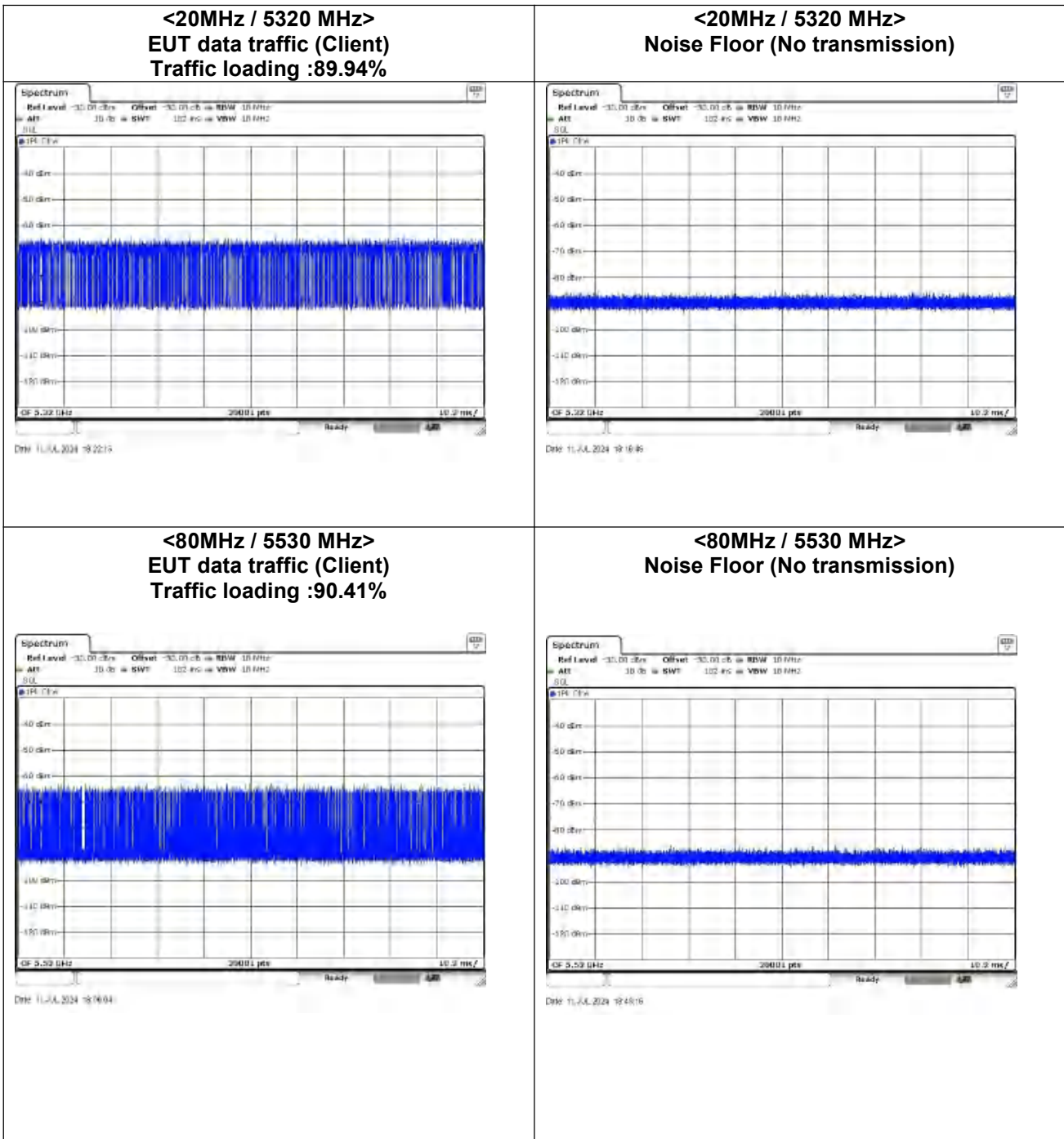
<80MHz / 5530 MHz> Radar Type 0

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



Date: 9 AUG 2024 17:37:47

Data Traffic and Noise Floor Plots





Channel Move Time, Channel Closing Transmission Time

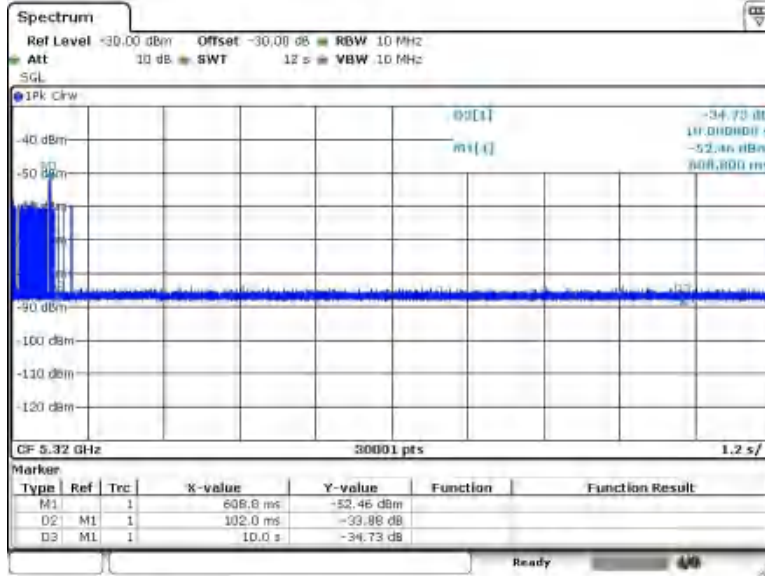
Frequency	Test Item	Test Result	Limit	Pass/Fail
5320MHz	Channel Move Time	< 10s*	< 10s	Pass
	Channel Closing Transmission Time	102.0ms	< 260ms	Pass
	Non-Occupancy Period	≥ 30	≥ 30 min	Pass
5530MHz	Channel Move Time	< 10s*	< 10s	Pass
	Channel Closing Transmission Time	102.0ms	< 260ms	Pass
	Non-Occupancy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

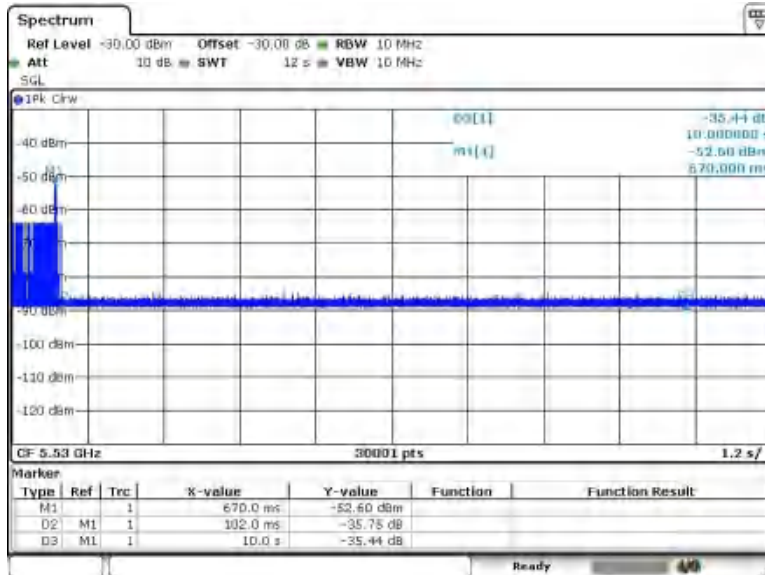
Channel Move Time & Channel Closing Transmission Time



Date: 11 JUL 2024 18:30:57

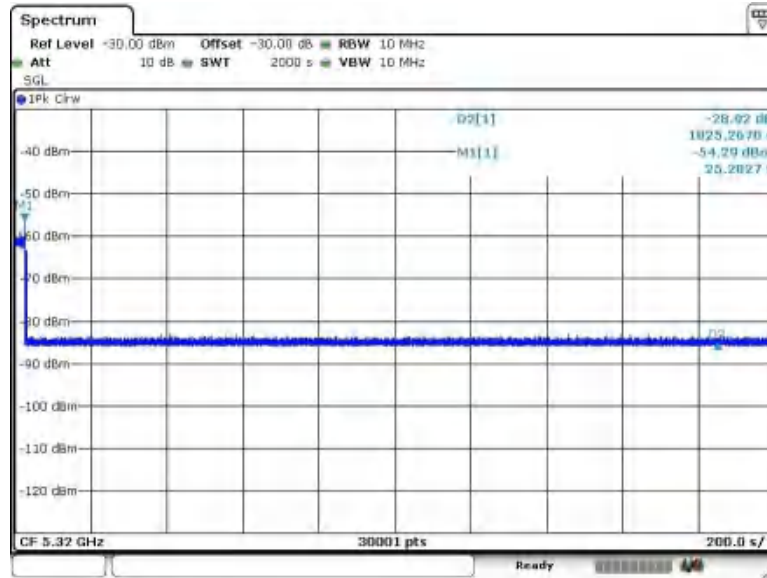
<80MHz / 5530 MHz>

Channel Move Time & Channel Closing Transmission Time



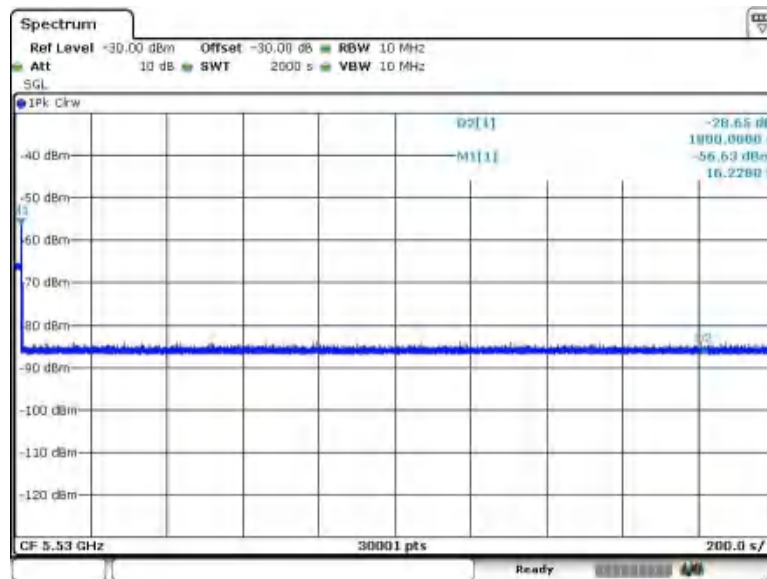
Date: 11 JUL 2024 18:19:32

**<20MHz / 5320 MHz>
 Non-Occupancy Period**



Date: 11 JUL 2024 20:00:29

**<80MHz / 5530 MHz>
 Non-Occupancy Period**



Date: 11 JUL 2024 20:56:09