



Mode:802.11ax HE20 Tone:242T Frequency:5260MHz
Ant:Chain0



Mode:802.11ax HE20 Tone:242T Frequency:5280MHz
Ant:Chain0



Mode:802.11ax HE20 Tone:242T Frequency:5320MHz
Ant:Chain0



Mode:802.11ax HE20 Tone:242T Frequency:5260MHz
Ant:Chain1

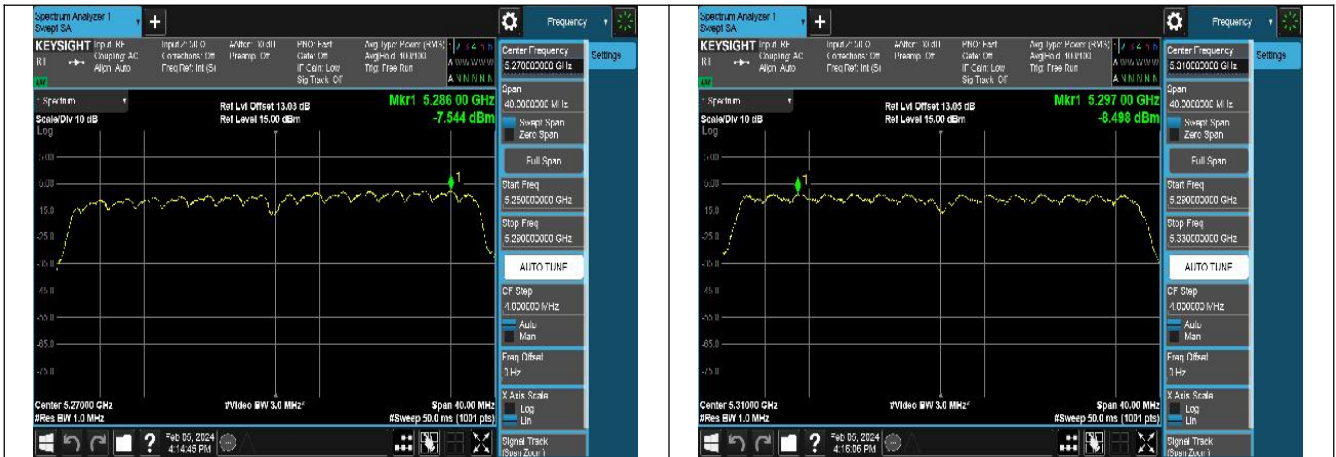


Mode:802.11ax HE20 Tone:242T Frequency:5280MHz
Ant:Chain1



Mode:802.11ax HE20 Tone:242T Frequency:5320MHz
Ant:Chain1

Test Mode: 802.11n HT40



Mode:802.11n HT40 Frequency:5270MHz Ant:Chain0

Mode:802.11n HT40 Frequency:5310MHz Ant:Chain0



Mode:802.11n HT40 Frequency:5270MHz Ant:Chain1

Mode:802.11n HT40 Frequency:5310MHz Ant:Chain1

Test Mode: 802.11ac VHT40



Mode:802.11ac VHT40 Frequency:5270MHz
Ant:Chain0



Mode:802.11ac VHT40 Frequency:5310MHz
Ant:Chain0



Mode:802.11ac VHT40 Frequency:5270MHz
Ant:Chain1



Mode:802.11ac VHT40 Frequency:5310MHz
Ant:Chain1

Test Mode: 802.11ax HE40



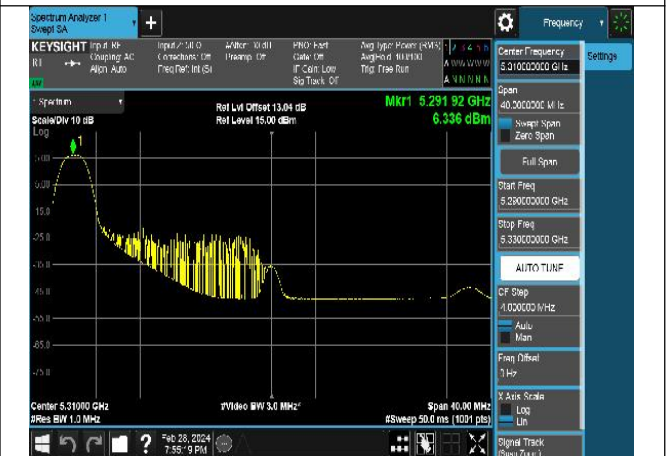
Mode:802.11ax HE40 Tone:26T Frequency:5270MHz
Ant:Chain0



Mode:802.11ax HE40 Tone:26T Frequency:5310MHz
Ant:Chain0



Mode:802.11ax HE40 Tone:26T Frequency:5270MHz
Ant:Chain1



Mode:802.11ax HE40 Tone:26T Frequency:5310MHz
Ant:Chain1



Mode:802.11ax HE40 Tone:52T Frequency:5270MHz
Ant:Chain0



Mode:802.11ax HE40 Tone:52T Frequency:5310MHz
Ant:Chain0



Mode:802.11ax HE40 Tone:52T Frequency:5270MHz
Ant:Chain1



Mode:802.11ax HE40 Tone:52T Frequency:5310MHz
Ant:Chain1



Mode:802.11ax HE40 Tone:106T Frequency:5270MHz
Ant:Chain0



Mode:802.11ax HE40 Tone:106T Frequency:5310MHz
Ant:Chain0



Mode:802.11ax HE40 Tone:106T Frequency:5270MHz
Ant:Chain1



Mode:802.11ax HE40 Tone:106T Frequency:5310MHz
Ant:Chain1



Mode:802.11ax HE40 Tone:242T Frequency:5270MHz
Ant:Chain0



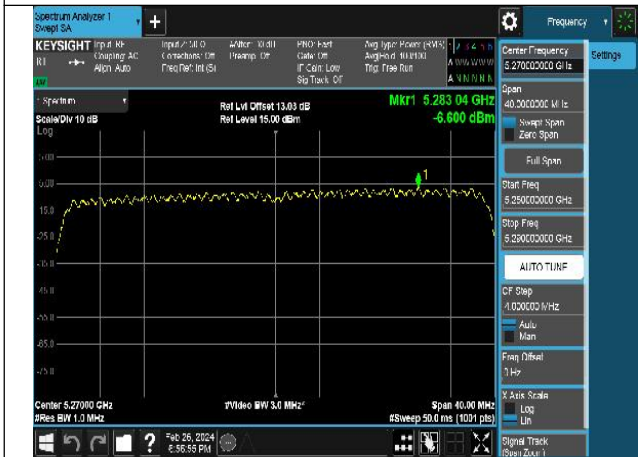
Mode:802.11ax HE40 Tone:242T Frequency:5310MHz
Ant:Chain0



Mode:802.11ax HE40 Tone:242T Frequency:5270MHz
Ant:Chain1



Mode:802.11ax HE40 Tone:242T Frequency:5310MHz
Ant:Chain1



Mode:802.11ax HE40 Tone:484T Frequency:5270MHz
Ant:Chain0



Mode:802.11ax HE40 Tone:484T Frequency:5310MHz
Ant:Chain0



Mode:802.11ax HE40 Tone:484T Frequency:5270MHz
Ant:Chain1



Mode:802.11ax HE40 Tone:484T Frequency:5310MHz
Ant:Chain1

Test Mode: 802.11ac VHT80



Mode:802.11ac VHT80 Frequency:5290MHz
Ant:Chain0



Mode:802.11ac VHT80 Frequency:5290MHz
Ant:Chain1

Test Mode: 802.11ax HE80



Mode:802.11ax HE80 Tone:26T Frequency:5290MHz
Ant:Chain0



Mode:802.11ax HE80 Tone:26T Frequency:5290MHz
Ant:Chain1



Mode:802.11ax HE80 Tone:52T Frequency:5290MHz
Ant:Chain0



Mode:802.11ax HE80 Tone:52T Frequency:5290MHz
Ant:Chain1



Mode:802.11ax HE80 Tone:106T Frequency:5290MHz
Ant:Chain0



Mode:802.11ax HE80 Tone:106T Frequency:5290MHz
Ant:Chain1



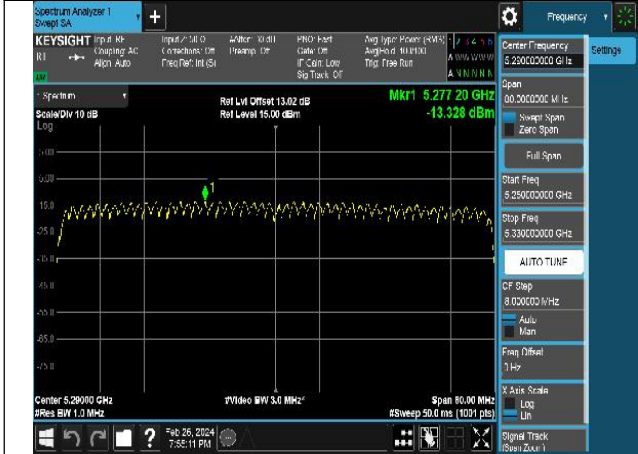
Mode:802.11ax HE80 Tone:242T Frequency:5290MHz
Ant:Chain0

Mode:802.11ax HE80 Tone:242T Frequency:5290MHz
Ant:Chain1



Mode:802.11ax HE80 Tone:484T Frequency:5290MHz
Ant:Chain0

Mode:802.11ax HE80 Tone:484T Frequency:5290MHz
Ant:Chain1



Mode:802.11ax HE80 Tone:996T Frequency:5290MHz
Ant:Chain0

Mode:802.11ax HE80 Tone:996T Frequency:5290MHz
Ant:Chain1

MT7663 Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5260	98.52%	0	Fig.1
802.11a	5260	98.53%	0	Fig.2
802.11n HT20	5260	98.36%	0	Fig.3
802.11n HT20	5260	98.33%	0	Fig.4
802.11ac VHT20	5260	98.56%	0	Fig.5
802.11ac VHT20	5260	98.46%	0	Fig.6
802.11n HT40	5270	98.08%	0	Fig.7
802.11n HT40	5270	98.04%	0	Fig.8
802.11ac VHT40	5270	98.10%	0	Fig.9
802.11ac VHT40	5270	97.98%	0.09	Fig.10
802.11ac VHT80	5290	97.92%	0.09	Fig.11
802.11ac VHT80	5290	97.82%	0.10	Fig.12

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

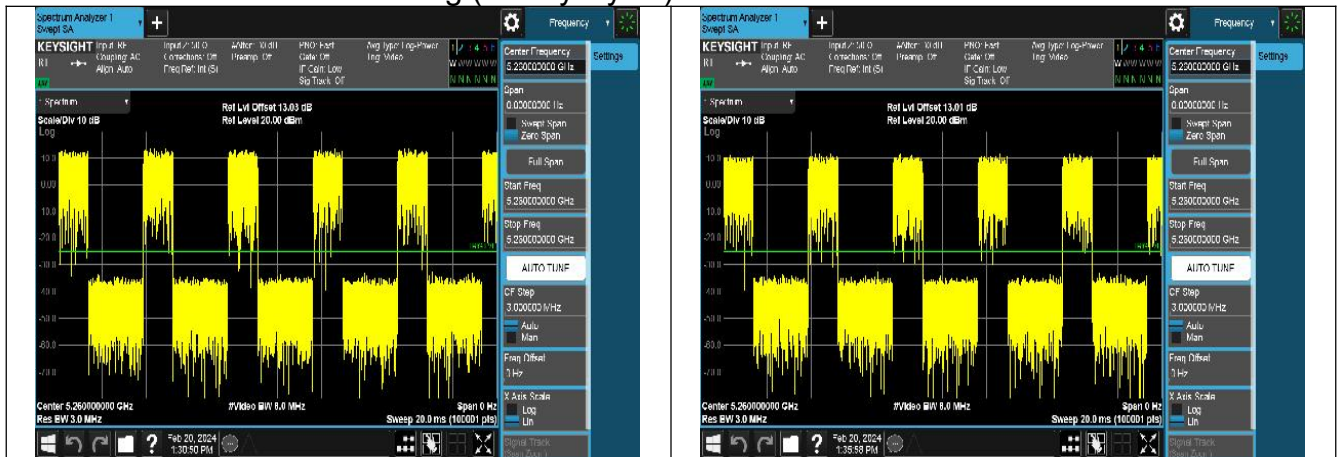


Fig.1

Fig.2

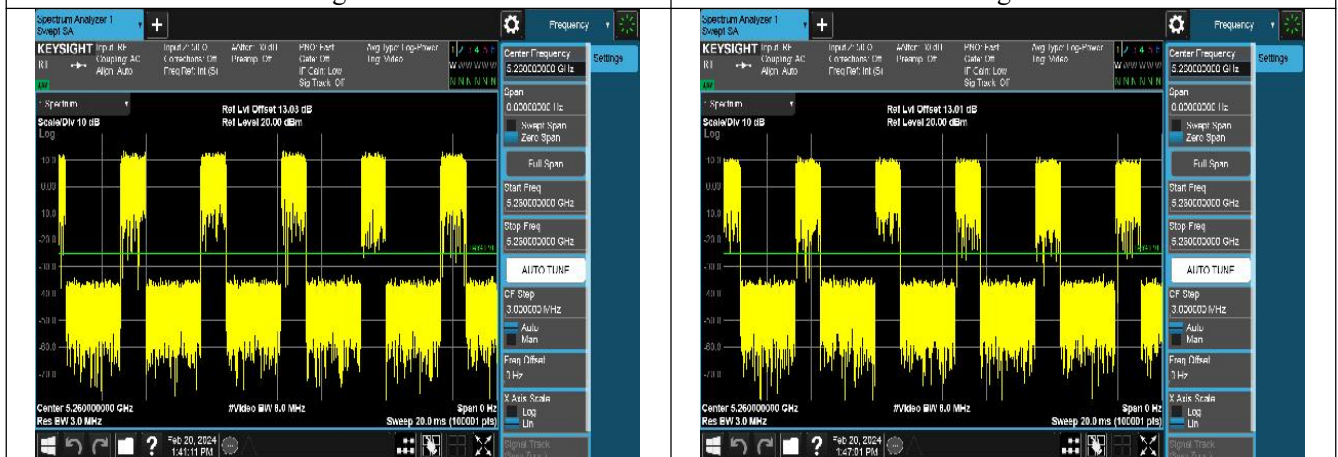


Fig.3

Fig.4



Fig.5



Fig.6

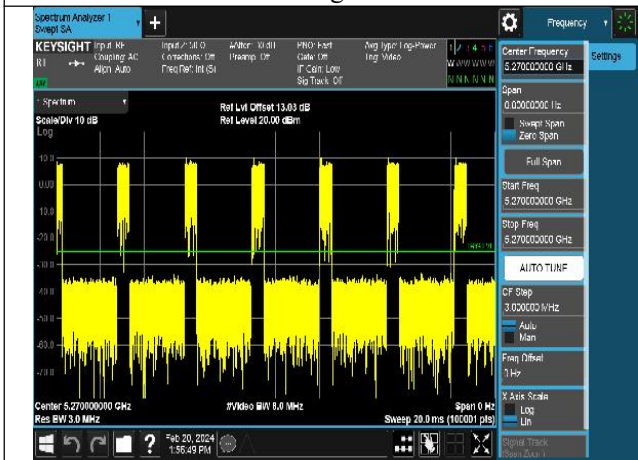


Fig.7



Fig.8

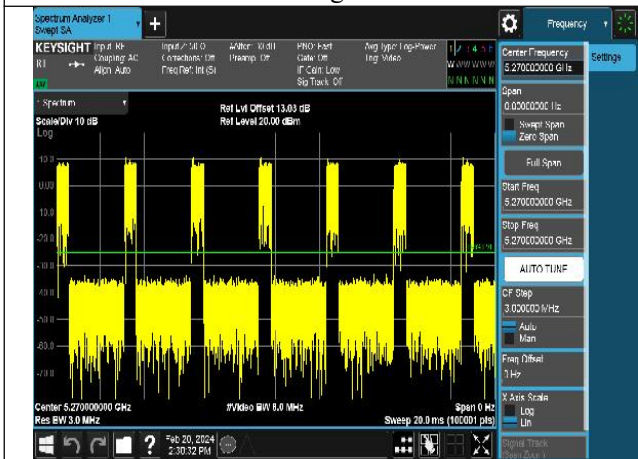


Fig.9

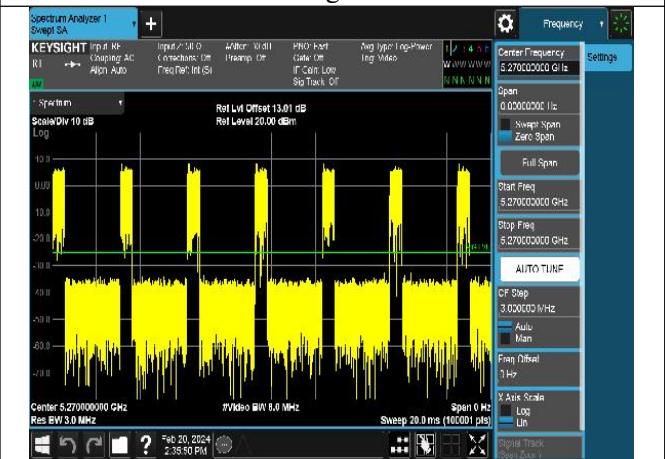


Fig.10



Fig.11



Fig.12

Output Power

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5260	Chain0	7.90	7.90
802.11a	NA	5260	Chain1	5.80	5.80
802.11a	NA	5280	Chain0	7.01	7.01
802.11a	NA	5280	Chain1	5.12	5.12
802.11a	NA	5320	Chain0	7.13	7.13
802.11a	NA	5320	Chain1	5.88	5.88
802.11n HT20	NA	5260	Chain0	7.19	7.19
802.11n HT20	NA	5260	Chain1	4.91	4.91
802.11n HT20	NA	5260	MIMO	9.21	9.21
802.11n HT20	NA	5280	Chain0	6.14	6.14
802.11n HT20	NA	5280	Chain1	5.28	5.28
802.11n HT20	NA	5280	MIMO	8.74	8.74
802.11n HT20	NA	5320	Chain0	6.92	6.92
802.11n HT20	NA	5320	Chain1	5.65	5.65
802.11n HT20	NA	5320	MIMO	9.34	9.34
802.11ac VHT20	NA	5260	Chain0	7.66	7.66
802.11ac VHT20	NA	5260	Chain1	5.46	5.46
802.11ac VHT20	NA	5260	MIMO	9.71	9.71
802.11ac VHT20	NA	5280	Chain0	7.09	7.09
802.11ac VHT20	NA	5280	Chain1	5.34	5.34
802.11ac VHT20	NA	5280	MIMO	9.31	9.31
802.11ac VHT20	NA	5320	Chain0	6.82	6.82
802.11ac VHT20	NA	5320	Chain1	6.24	6.24
802.11ac VHT20	NA	5320	MIMO	9.55	9.55
802.11n HT40	NA	5270	Chain0	4.43	4.43
802.11n HT40	NA	5270	Chain1	3.53	3.53
802.11n HT40	NA	5270	MIMO	7.01	7.01
802.11n HT40	NA	5310	Chain0	5.36	5.36
802.11n HT40	NA	5310	Chain1	3.24	3.24
802.11n HT40	NA	5310	MIMO	7.44	7.44
802.11ac VHT40	NA	5270	Chain0	5.00	5.00
802.11ac VHT40	NA	5270	Chain1	2.65	2.65
802.11ac VHT40	NA	5270	MIMO	6.99	6.99
802.11ac VHT40	NA	5310	Chain0	5.14	5.14
802.11ac VHT40	NA	5310	Chain1	3.99	3.99
802.11ac VHT40	NA	5310	MIMO	7.61	7.61
802.11ac VHT80	NA	5290	Chain0	1.48	1.48
802.11ac VHT80	NA	5290	Chain1	0.20	0.20
802.11ac VHT80	NA	5290	MIMO	3.90	3.90

Emission Bandwidth

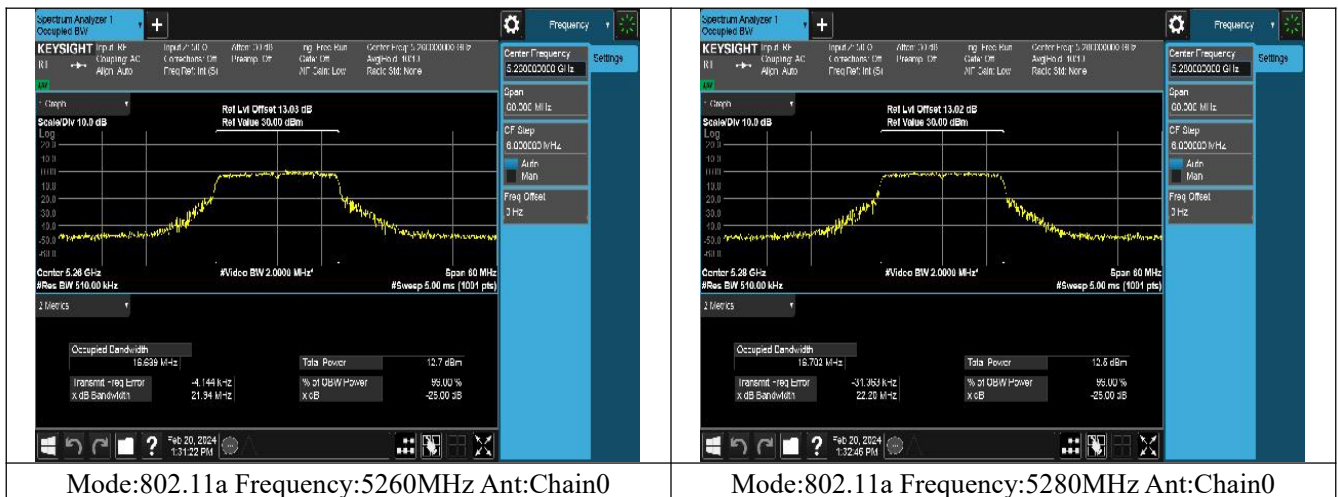
Offset 1.2dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	26dB Bandwidth (MHz)		
		5260MHz	5280MHz	5320MHz
802.11a	Chain0	21.94	22.20	21.41
802.11a	Chain1	21.01	21.91	21.47
802.11n HT20	Chain0	21.53	21.89	22.88
802.11n HT20	Chain1	22.71	21.24	23.22
802.11ac VHT20	Chain0	22.57	20.75	21.87
802.11ac VHT20	Chain1	21.93	21.66	22.21

Test Mode	Antenna	26dB Bandwidth (MHz)		
		5270MHz	---	5310MHz
802.11n HT40	Chain0	41.98	---	42.79
802.11n HT40	Chain1	42.78	---	42.80
802.11ac VHT40	Chain0	41.61	---	43.46
802.11ac VHT40	Chain1	42.09	---	43.27

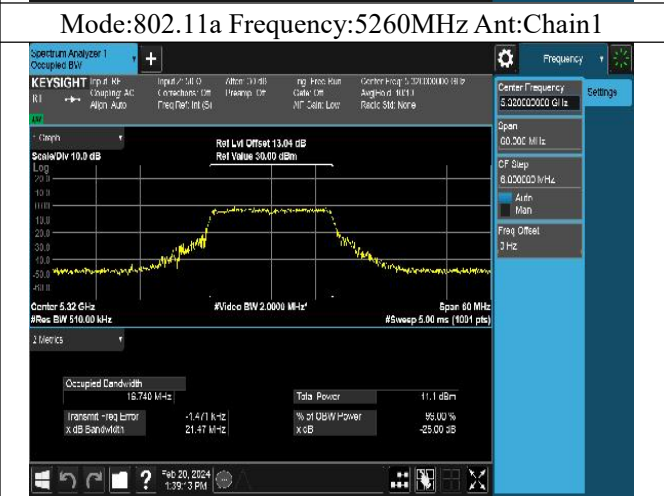
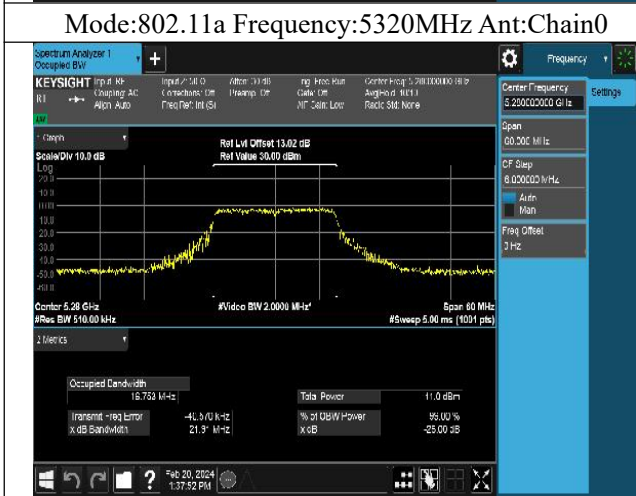
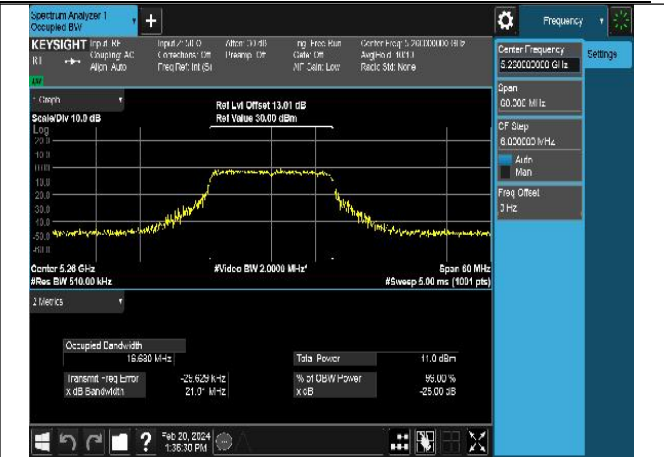
Test Mode	Antenna	26dB Bandwidth (MHz)		
		5290MHz	---	---
802.11ac VHT80	Chain0	73.41	---	---
802.11ac VHT80	Chain1	74.21	---	---

Test Mode: 802.11a

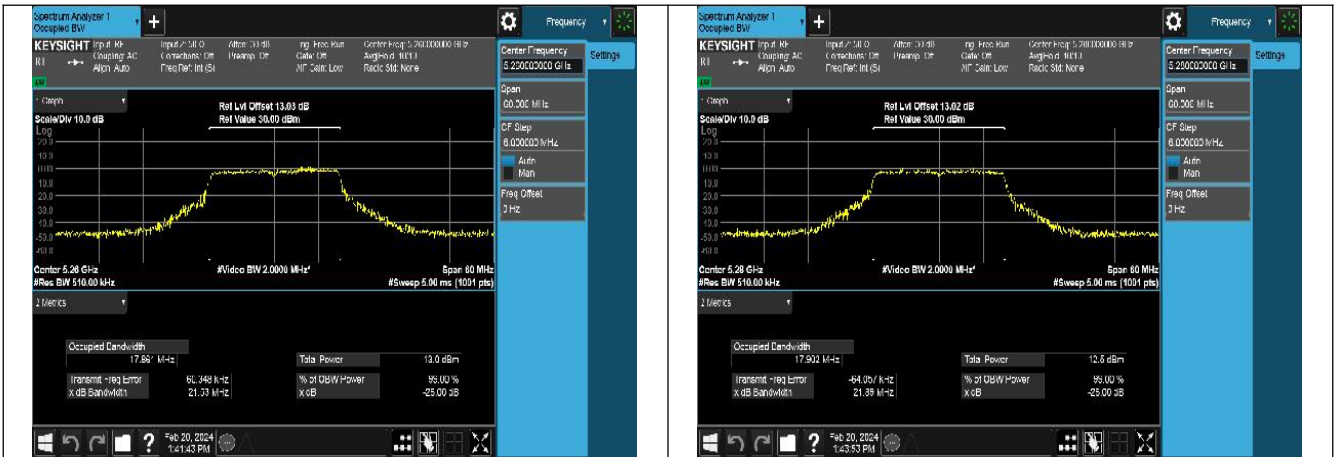


Mode:802.11a Frequency:5260MHz Ant:Chain0

Mode:802.11a Frequency:5280MHz Ant:Chain0

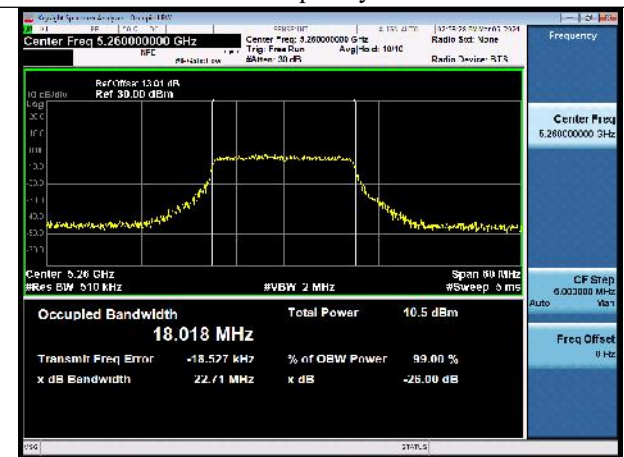


Test Mode: 802.11n HT20



Mode:802.11n HT20 Frequency:5260MHz Ant:Chain0

Mode:802.11n HT20 Frequency:5280MHz Ant:Chain0



Mode:802.11n HT20 Frequency:5320MHz Ant:Chain0

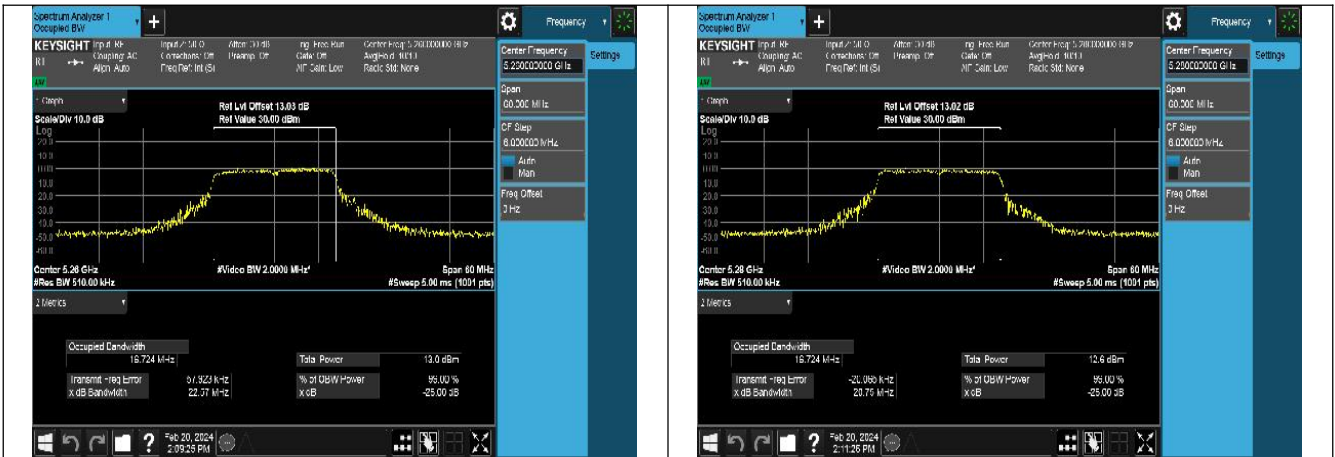
Mode:802.11n HT20 Frequency:5260MHz Ant:Chain1



Mode:802.11n HT20 Frequency:5280MHz Ant:Chain1

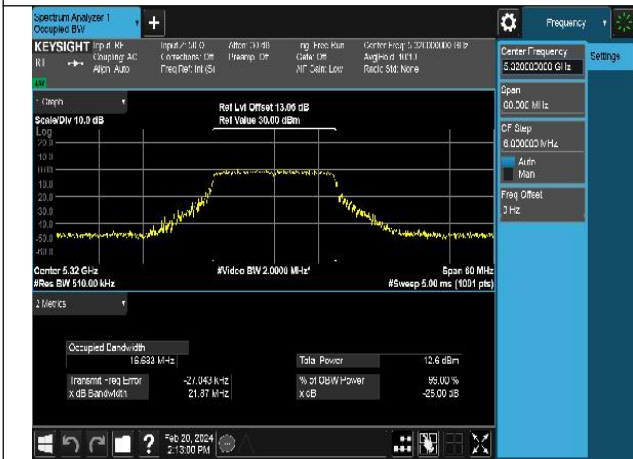
Mode:802.11n HT20 Frequency:5320MHz Ant:Chain1

Test Mode: 802.11ac VHT20



Mode:802.11ac VHT20 Frequency:5260MHz
Ant:Chain0

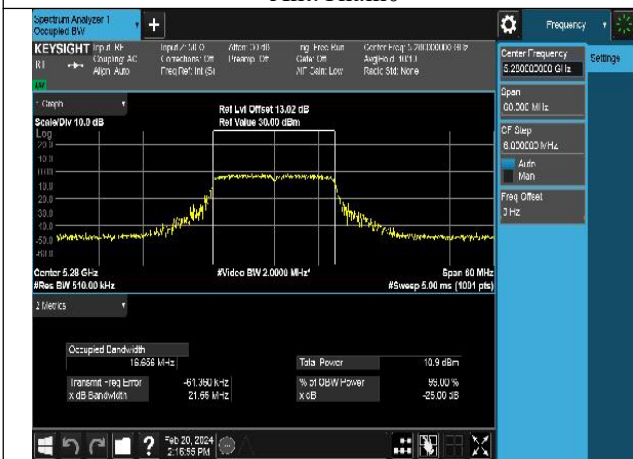
Mode:802.11ac VHT20 Frequency:5280MHz
Ant:Chain0



Mode:802.11ac VHT20 Frequency:5320MHz
Ant:Chain0



Mode:802.11ac VHT20 Frequency:5260MHz
Ant:Chain1

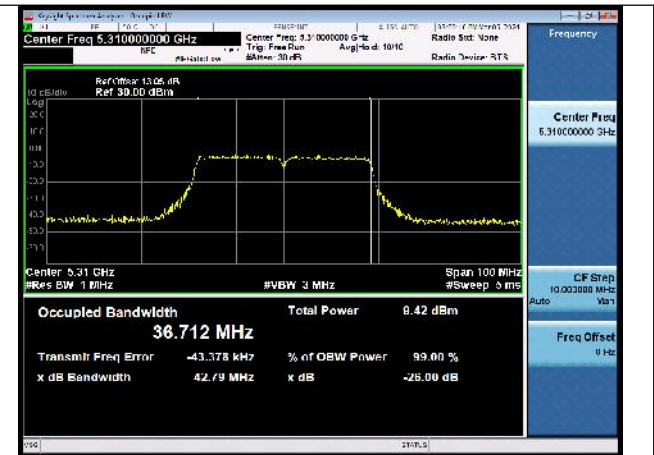
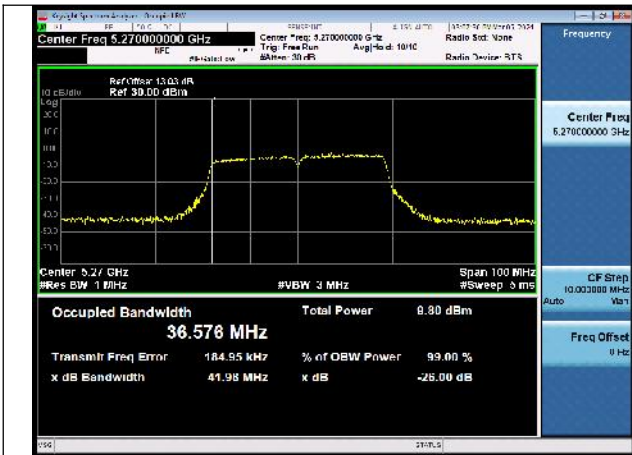


Mode:802.11ac VHT20 Frequency:5280MHz
Ant:Chain1



Mode:802.11ac VHT20 Frequency:5320MHz
Ant:Chain1

Test Mode: 802.11n HT40



Mode:802.11n HT40 Frequency:5270MHz Ant:Chain0

Mode:802.11n HT40 Frequency:5310MHz Ant:Chain0



Mode:802.11n HT40 Frequency:5270MHz Ant:Chain1

Mode:802.11n HT40 Frequency:5310MHz Ant:Chain1

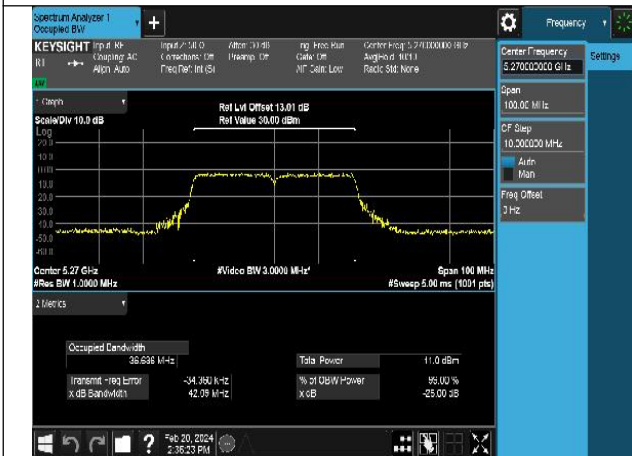
Test Mode: 802.11ac VHT40



Mode:802.11ac VHT40 Frequency:5270MHz
Ant:Chain0



Mode:802.11ac VHT40 Frequency:5310MHz
Ant:Chain0

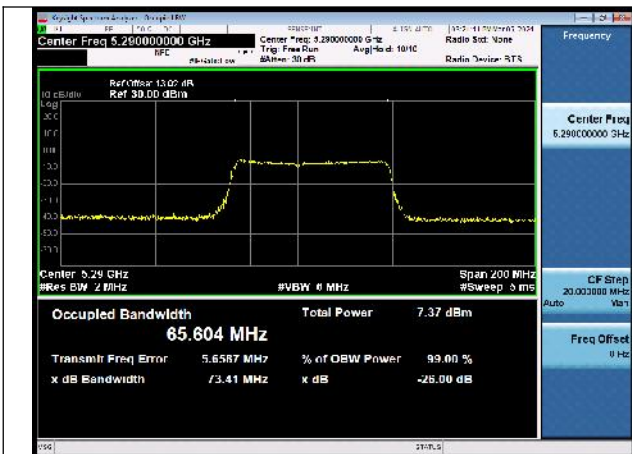


Mode:802.11ac VHT40 Frequency:5270MHz
Ant:Chain1



Mode:802.11ac VHT40 Frequency:5310MHz
Ant:Chain1

Test Mode: 802.11ac VHT80



Mode:802.11ac VHT80 Frequency:5290MHz
Ant:Chain0



Mode:802.11ac VHT80 Frequency:5290MHz
Ant:Chain1

Occupied Bandwidth

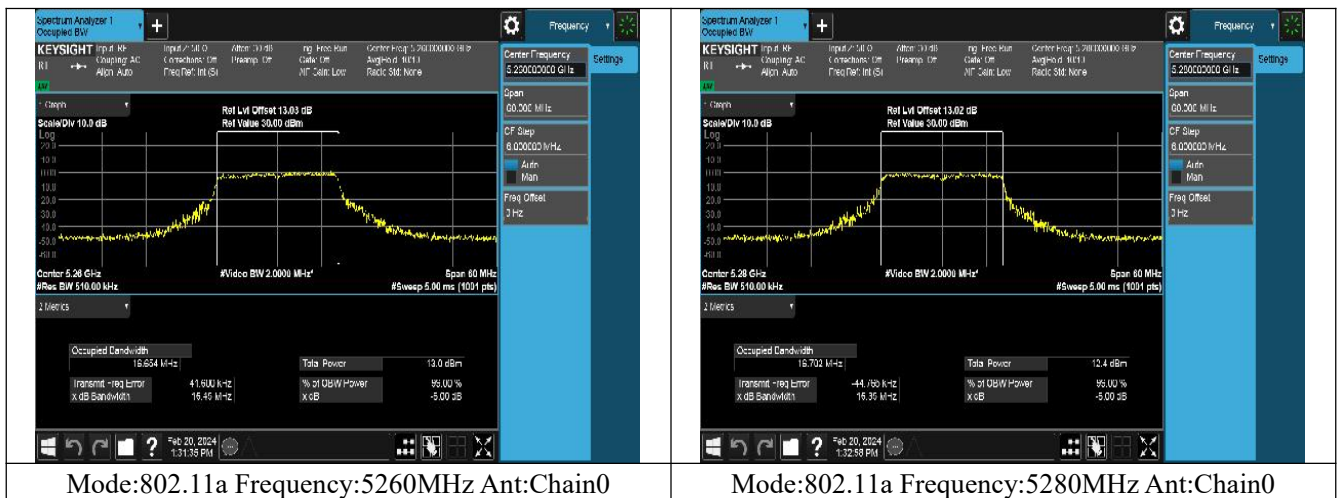
Offset 1.2dB = Attenuator + Temporary antenna connector loss + Cable loss

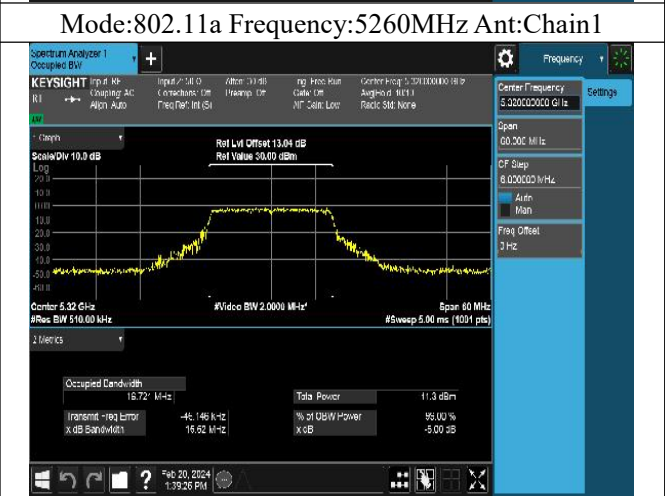
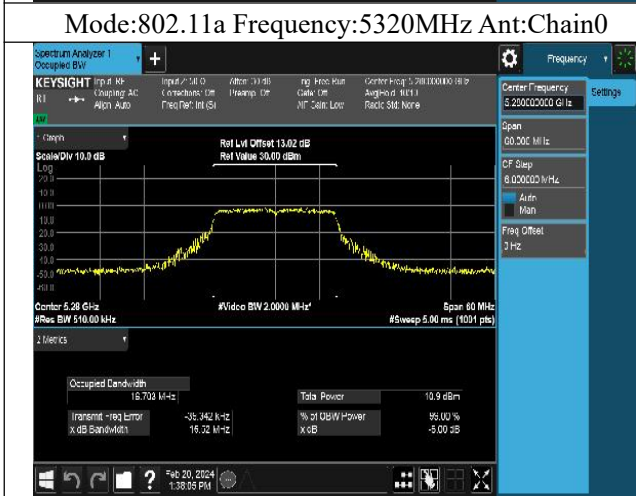
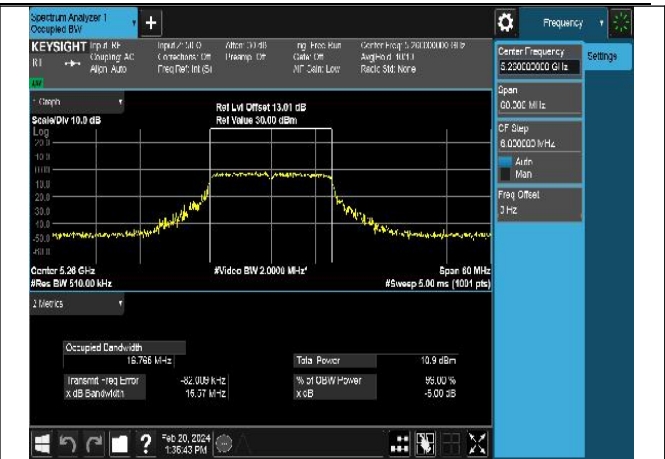
Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5260MHz	5280MHz	5320MHz
802.11a	Chain0	16.654	16.702	16.776
802.11a	Chain1	16.765	16.703	16.721
802.11n HT20	Chain0	17.966	17.931	17.960
802.11n HT20	Chain1	18.042	17.904	17.908
802.11ac VHT20	Chain0	16.627	16.736	16.672
802.11ac VHT20	Chain1	16.716	16.695	16.712

Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5270MHz	---	5310MHz
802.11n HT40	Chain0	36.607	---	36.692
802.11n HT40	Chain1	36.685	---	36.705
802.11ac VHT40	Chain0	36.591	---	36.686
802.11ac VHT40	Chain1	36.610	---	36.693

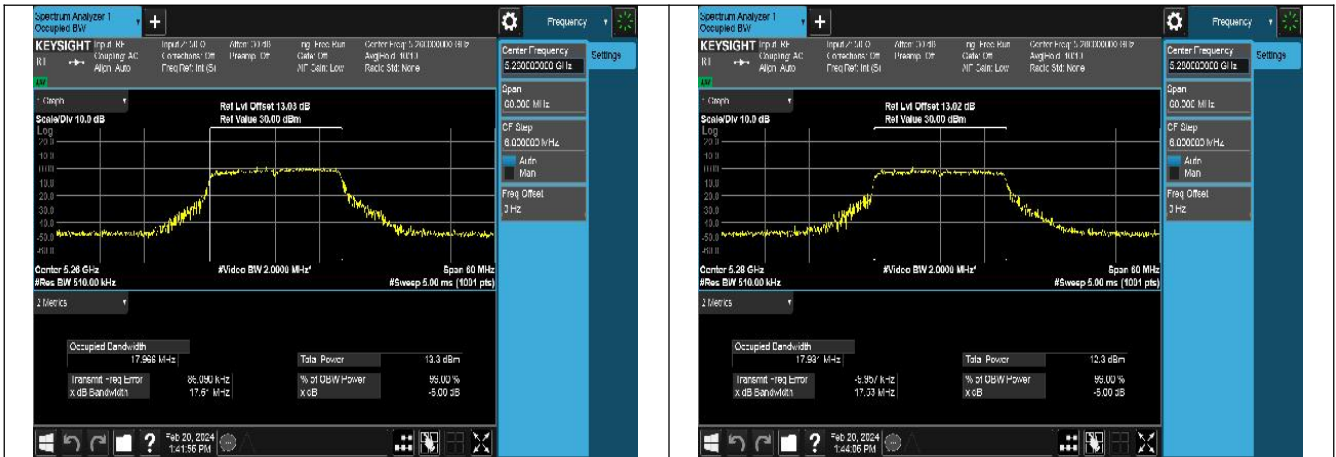
Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5290MHz	---	---
802.11ac VHT80	Chain0	65.543	---	---
802.11ac VHT80	Chain1	65.473	---	---

Test Mode: 802.11a



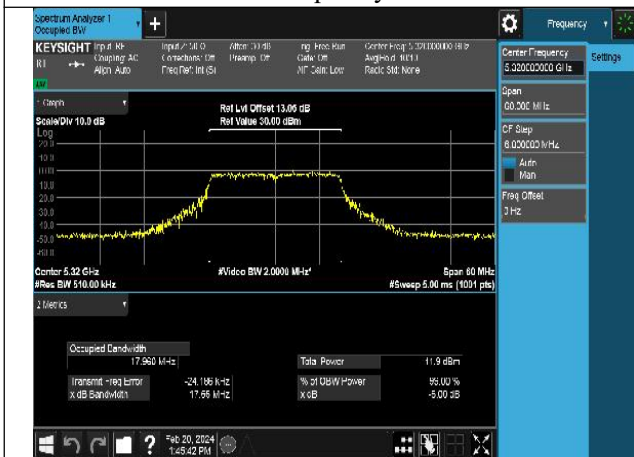


Test Mode: 802.11n HT20

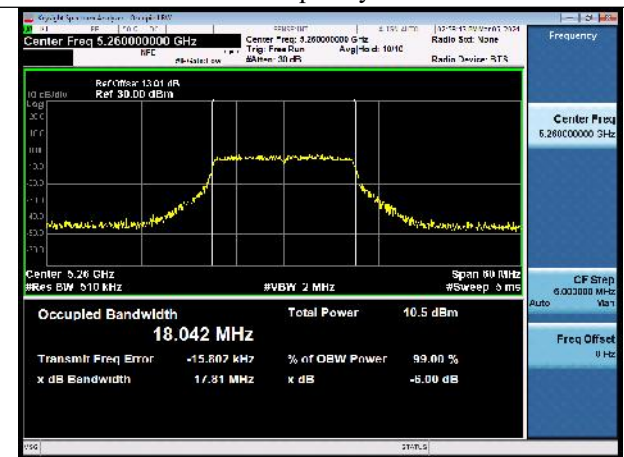


Mode:802.11n HT20 Frequency:5260MHz Ant:Chain0

Mode:802.11n HT20 Frequency:5280MHz Ant:Chain0



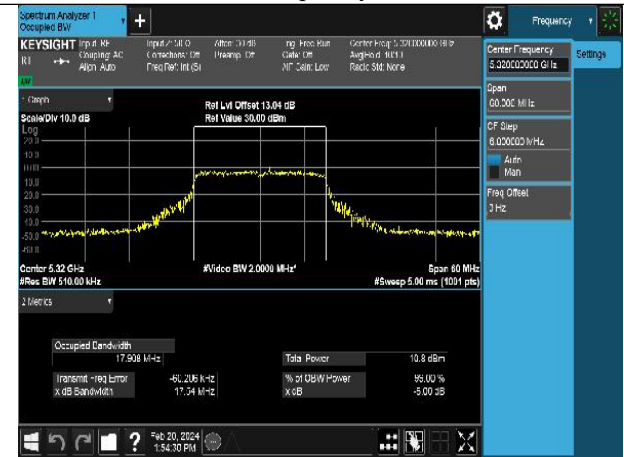
Mode:802.11n HT20 Frequency:5320MHz Ant:Chain0



Mode:802.11n HT20 Frequency:5260MHz Ant:Chain1

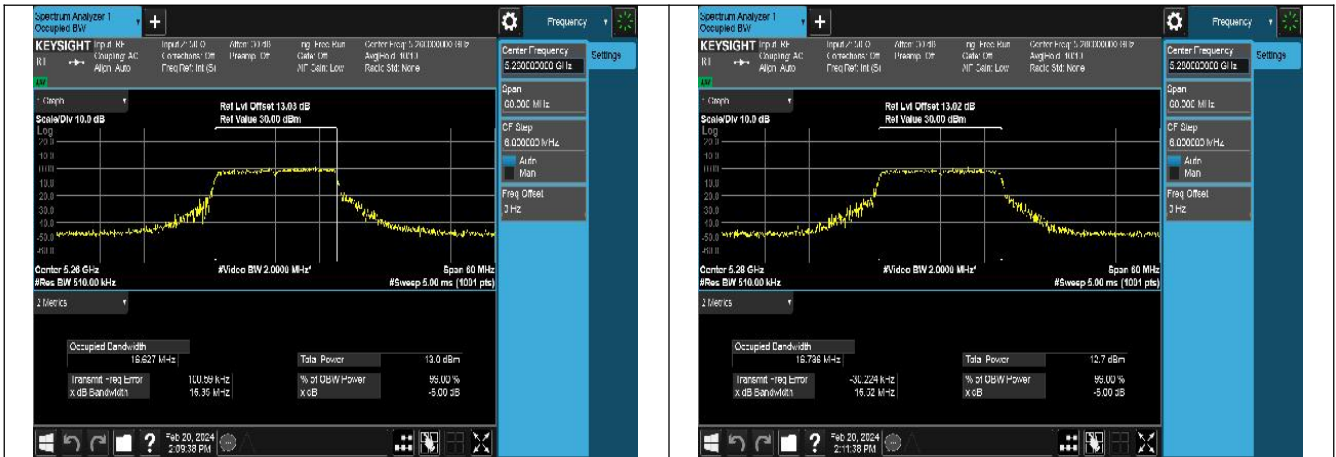


Mode:802.11n HT20 Frequency:5280MHz Ant:Chain1



Mode:802.11n HT20 Frequency:5320MHz Ant:Chain1

Test Mode: 802.11ac VHT20



Mode:802.11ac VHT20 Frequency:5260MHz
Ant:Chain0

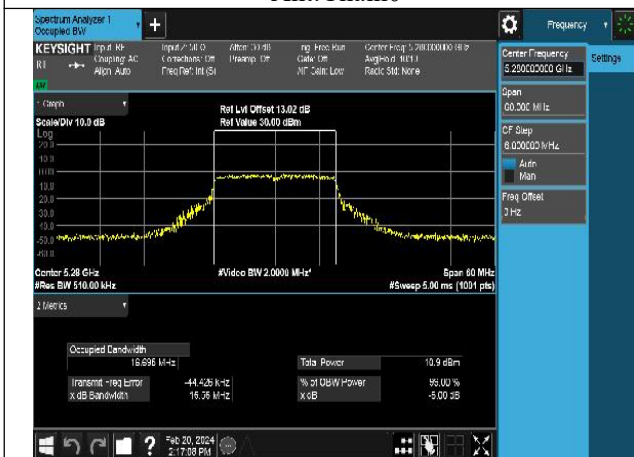
Mode:802.11ac VHT20 Frequency:5280MHz
Ant:Chain0



Mode:802.11ac VHT20 Frequency:5320MHz
Ant:Chain0



Mode:802.11ac VHT20 Frequency:5260MHz
Ant:Chain1

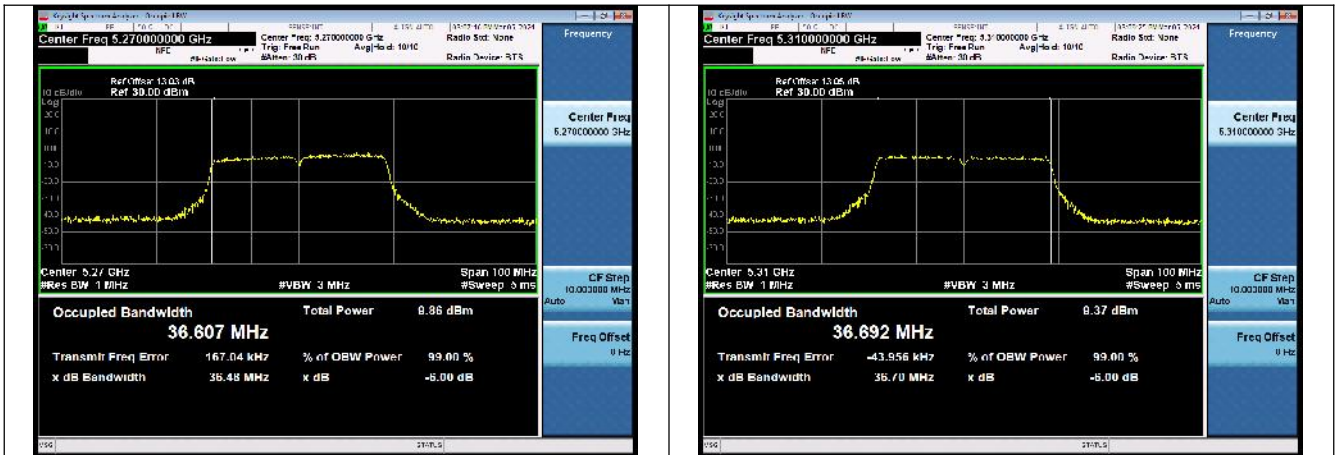


Mode:802.11ac VHT20 Frequency:5280MHz
Ant:Chain1



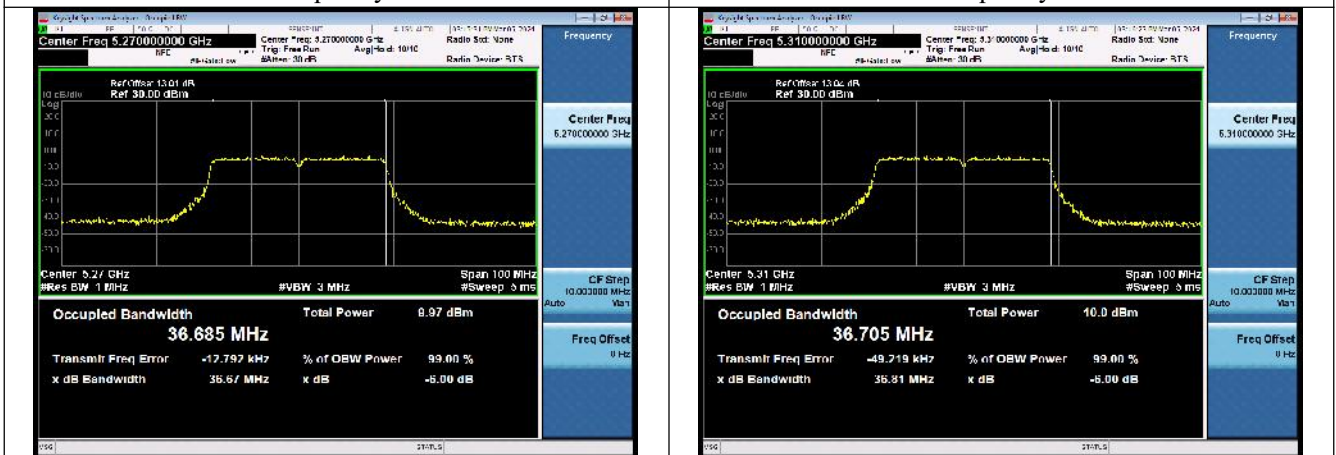
Mode:802.11ac VHT20 Frequency:5320MHz
Ant:Chain1

Test Mode: 802.11n HT40



Mode:802.11n HT40 Frequency:5270MHz Ant:Chain0

Mode:802.11n HT40 Frequency:5310MHz Ant:Chain0



Mode:802.11n HT40 Frequency:5270MHz Ant:Chain1

Mode:802.11n HT40 Frequency:5310MHz Ant:Chain1

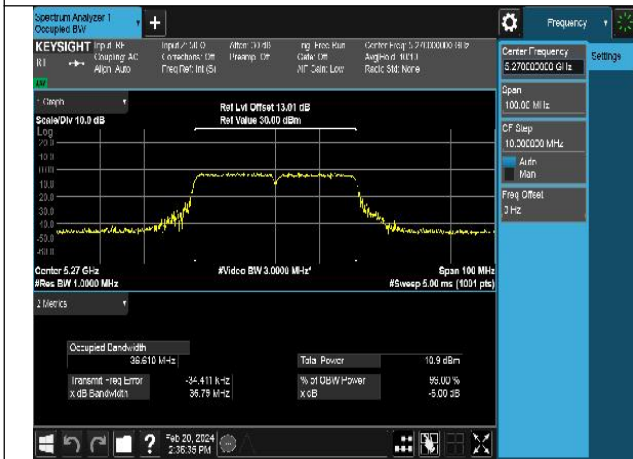
Test Mode: 802.11ac VHT40



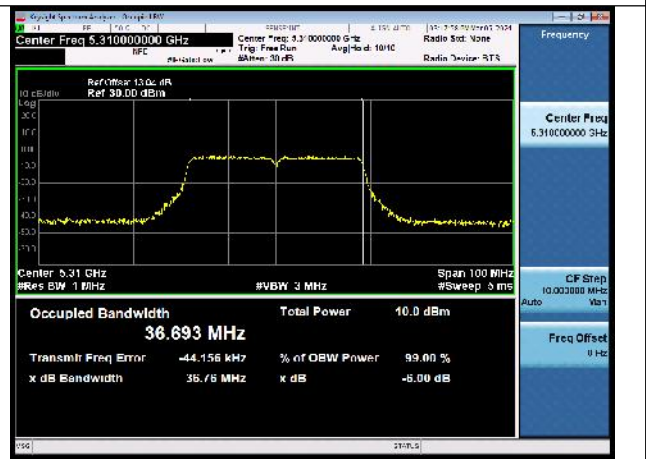
Mode:802.11ac VHT40 Frequency:5270MHz
Ant:Chain0



Mode:802.11ac VHT40 Frequency:5310MHz
Ant:Chain0



Mode:802.11ac VHT40 Frequency:5270MHz
Ant:Chain1



Mode:802.11ac VHT40 Frequency:5310MHz
Ant:Chain1

Test Mode: 802.11ac VHT80



Mode:802.11ac VHT80 Frequency:5290MHz
Ant:Chain0



Mode:802.11ac VHT80 Frequency:5290MHz
Ant:Chain1

Transmitter Power Spectral Density

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

Test Mode	Antenna	Tones	5260MHz		5280MHz		5320MHz	
			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	-2.233	0.00	-2.242	0.00	-3.655
802.11a	Chain1	NA	0.00	-5.308	0.00	-4.851	0.00	-3.857
802.11n HT20	Chain0	NA	0.00	-3.341	0.00	-4.406	0.00	-4.869
802.11n HT20	Chain1	NA	0.00	-6.022	0.00	-5.908	0.00	-5.806
802.11n HT20	MIMO	NA	0.00	-1.468	0.00	-2.082	0.00	-2.302
802.11ac VHT20	Chain0	NA	0.00	-2.945	0.00	-3.150	0.00	-3.381
802.11ac VHT20	Chain1	NA	0.00	-4.903	0.00	-4.753	0.00	-5.065
802.11ac VHT20	MIMO	NA	0.00	-0.804	0.00	-0.868	0.00	-1.132

Test Mode	Antenna	Tones	5270MHz		---		5310MHz	
			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	-8.126	---	---	0.00	-8.809
802.11n HT40	Chain1	NA	0.00	-10.419	---	---	0.00	-10.446
802.11n HT40	MIMO	NA	0.00	-6.113	---	---	0.00	-6.541
802.11ac VHT40	Chain0	NA	0.00	-7.847	---	---	0.00	-9.211
802.11ac VHT40	Chain1	NA	0.09	-10.504	---	---	0.09	-10.060
802.11ac VHT40	MIMO	NA	0.09	-5.965	---	---	0.09	-6.604

Test Mode	Antenna	Tones	5290MHz		---		---	
			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	0.09	-14.559	---	---	---	---
802.11ac VHT80	Chain1	NA	0.10	-15.546	---	---	---	---
802.11ac VHT80	MIMO	NA	0.10	-12.014	---	---	---	---