

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

| Test Mode | Frequency (MHz) | Duty Cycle (%) | Correction Factor(dB) | Plot |
|--------------|-----------------|----------------|-----------------------|-------|
| 802.11a | 5260 | 99.24% | 0 | Fig.1 |
| 802.11a | 5260 | 98.57% | 0 | Fig.2 |
| 802.11n HT20 | 5260 | 98.58% | 0 | Fig.3 |
| 802.11n HT20 | 5260 | 98.42% | 0 | Fig.4 |
| 802.11n HT40 | 5270 | 96.51% | 0.15 | Fig.5 |
| 802.11n HT40 | 5270 | 96.13% | 0.17 | Fig.6 |

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

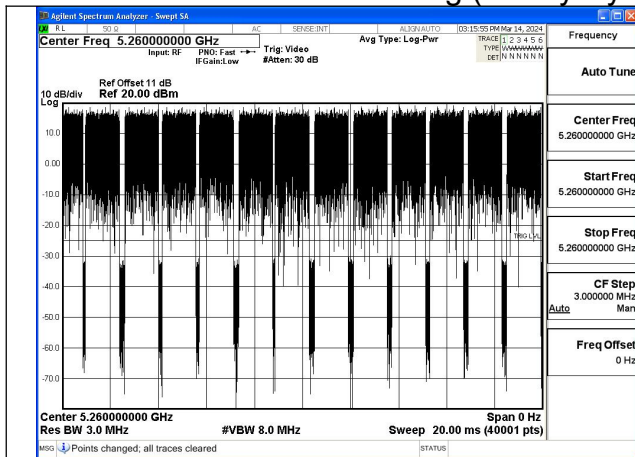


Fig.1

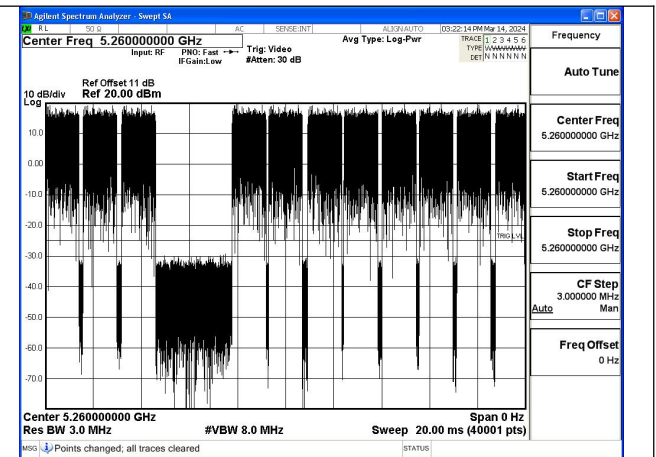


Fig.2

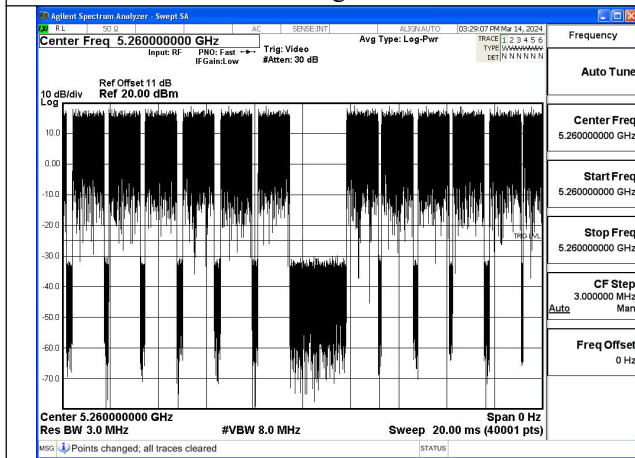


Fig.3

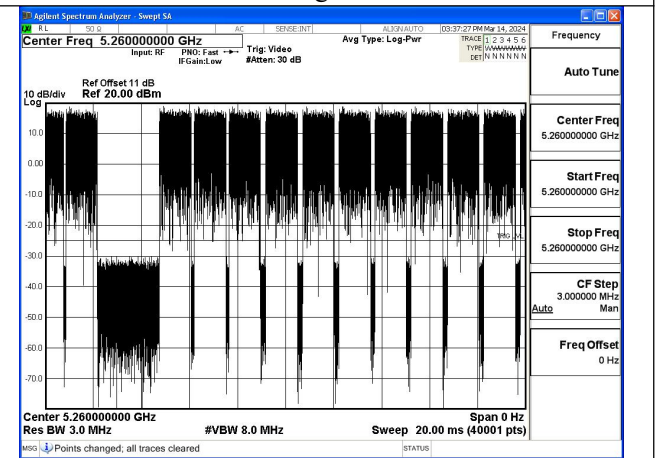


Fig.4

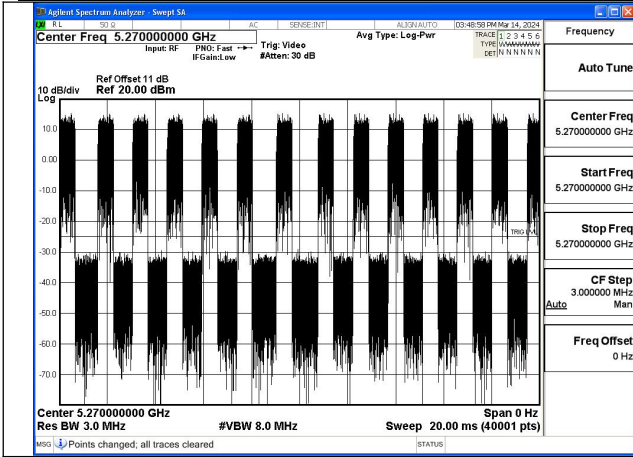


Fig.5

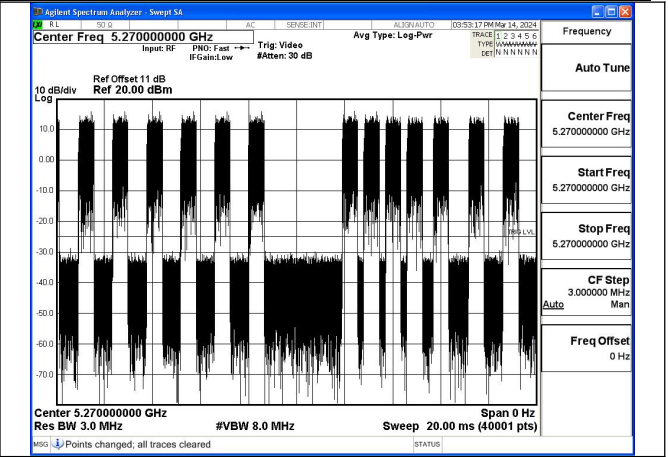


Fig.6

Output Power

| Mode | Tones/ RU Index | Frequency (MHz) | Antenna | Conducted average power output(dBm) | EIRP (dBm) |
|--------------|--------------------|--------------------|---------|--|---------------|
| 802.11a | NA | 5260 | Chain1 | 15.12 | 17.62 |
| 802.11a | NA | 5260 | Chain0 | 15.22 | 17.03 |
| 802.11a | NA | 5280 | Chain1 | 15.25 | 17.75 |
| 802.11a | NA | 5280 | Chain0 | 15.02 | 16.83 |
| 802.11a | NA | 5320 | Chain1 | 15.38 | 17.88 |
| 802.11a | NA | 5320 | Chain0 | 15.44 | 17.25 |
| 802.11n HT20 | NA | 5260 | Chain1 | 14.90 | 17.40 |
| 802.11n HT20 | NA | 5260 | Chain0 | 15.21 | 17.02 |
| 802.11n HT20 | NA | 5280 | Chain1 | 14.86 | 17.36 |
| 802.11n HT20 | NA | 5280 | Chain0 | 15.10 | 16.91 |
| 802.11n HT20 | NA | 5320 | Chain1 | 15.23 | 17.73 |
| 802.11n HT20 | NA | 5320 | Chain0 | 15.23 | 17.04 |
| 802.11n HT40 | NA | 5270 | Chain1 | 12.44 | 14.94 |
| 802.11n HT40 | NA | 5270 | Chain0 | 10.89 | 12.70 |
| 802.11n HT40 | NA | 5310 | Chain1 | 11.59 | 14.09 |
| 802.11n HT40 | NA | 5310 | Chain0 | 11.90 | 13.71 |

NOTE: This product does not support MIMO emission

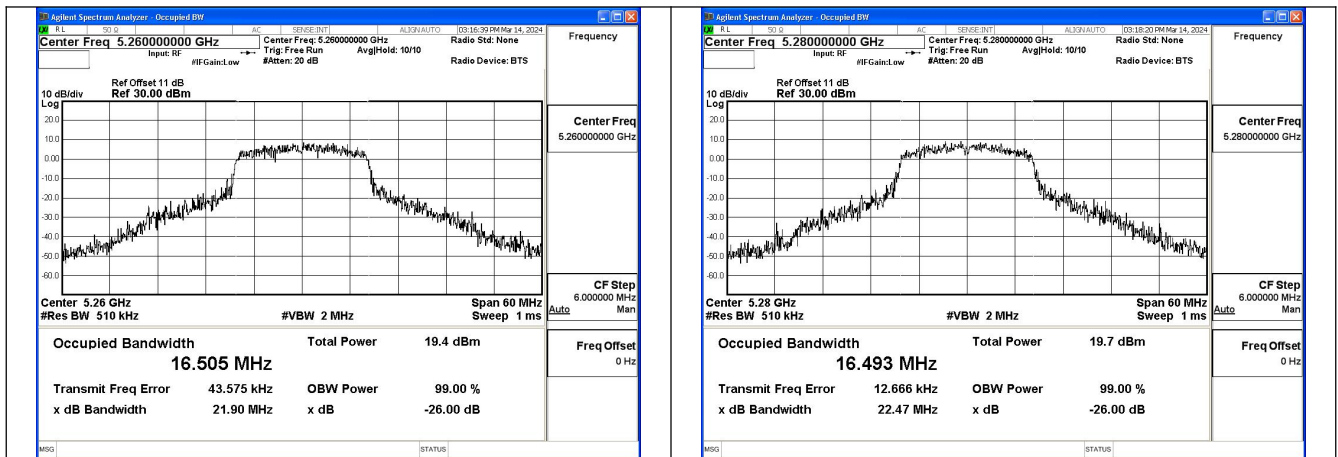
Emission Bandwidth

Offset 11dB = Attenuator + Temporary antenna connector loss + Cable loss

| Test Mode | Antenna | 26dB Bandwidth (MHz) | | |
|--------------|---------|----------------------|---------|---------|
| | | 5260MHz | 5280MHz | 5320MHz |
| 802.11a | Chain0 | 21.90 | 22.47 | 21.22 |
| 802.11a | Chain1 | 24.40 | 20.61 | 21.03 |
| 802.11n HT20 | Chain0 | 22.83 | 26.74 | 22.56 |
| 802.11n HT20 | Chain1 | 20.51 | 24.02 | 22.53 |

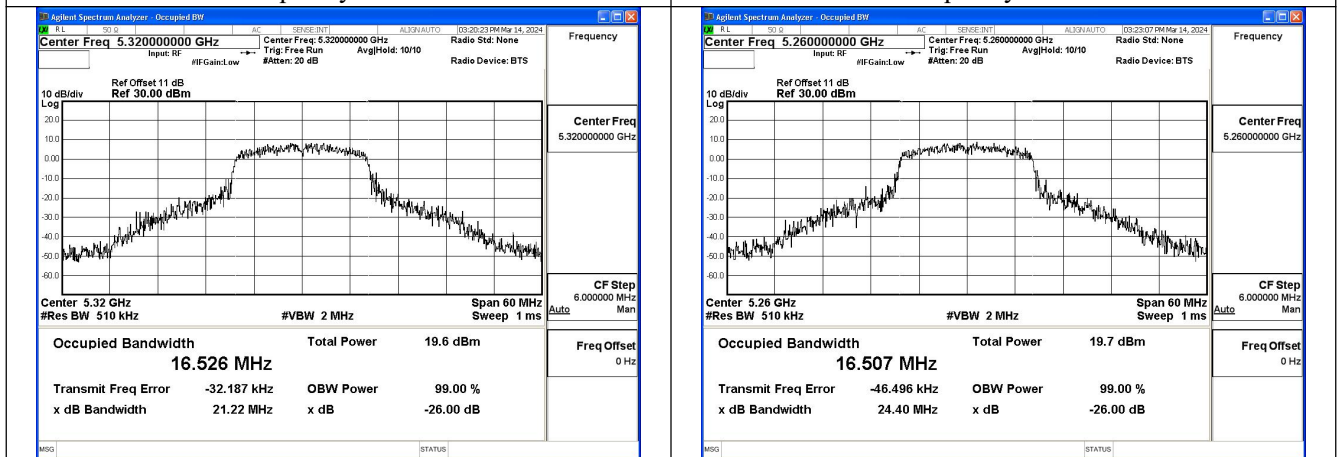
| Test Mode | Antenna | 26dB Bandwidth (MHz) | | |
|--------------|---------|----------------------|-----|---------|
| | | 5270MHz | --- | 5310MHz |
| 802.11n HT40 | Chain0 | 41.84 | --- | 43.82 |
| 802.11n HT40 | Chain1 | 47.16 | --- | 38.07 |

Test Mode: 802.11a



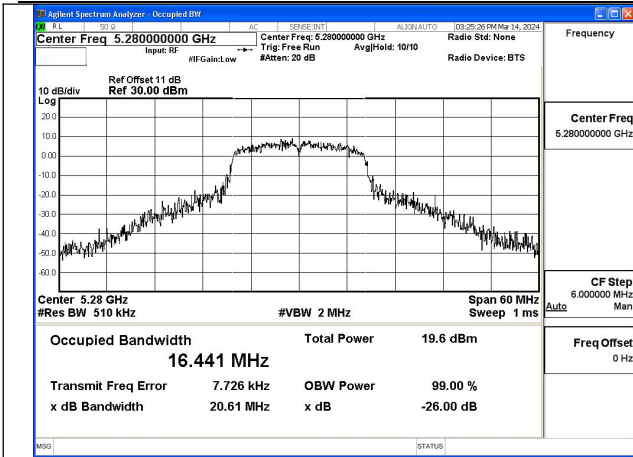
Mode:802.11a Frequency:5260MHz Ant:Chain0

Mode:802.11a Frequency:5280MHz Ant:Chain0

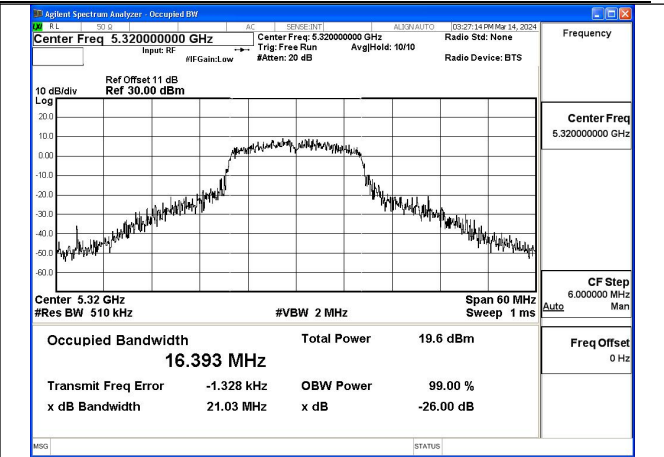


Mode:802.11a Frequency:5320MHz Ant:Chain0

Mode:802.11a Frequency:5260MHz Ant:Chain1

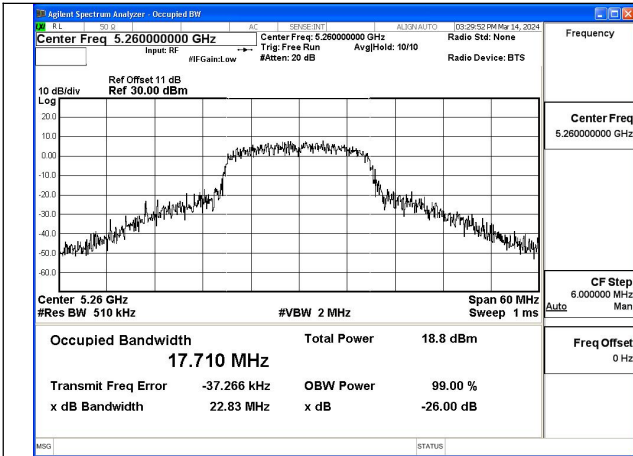


Mode:802.11a Frequency:5280MHz Ant:Chain1

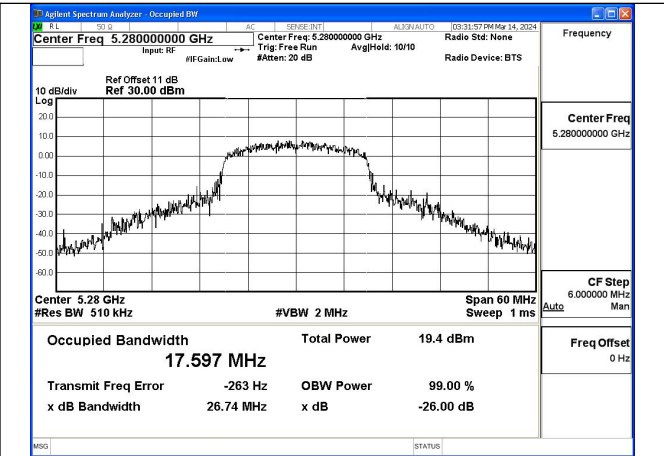


Mode:802.11a Frequency:5320MHz Ant:Chain1

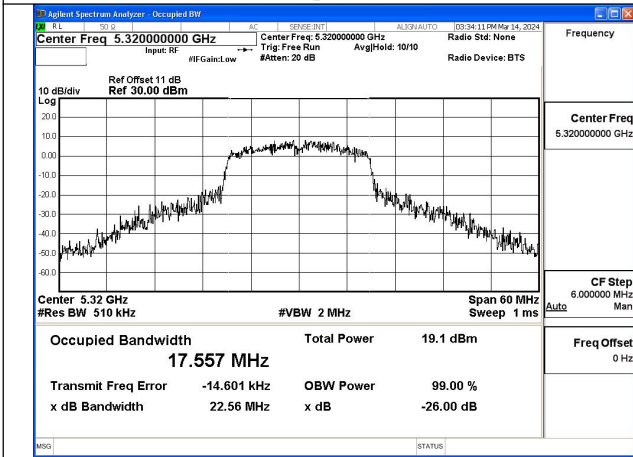
Test Mode: 802.11n HT20



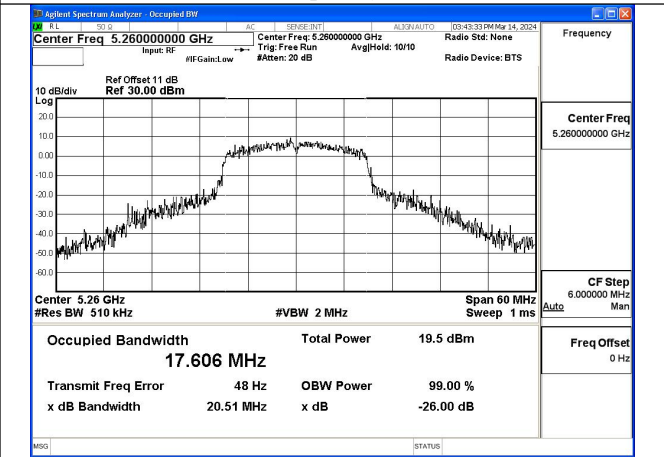
Mode:802.11n HT20 Frequency:5260MHz Ant:Chain0



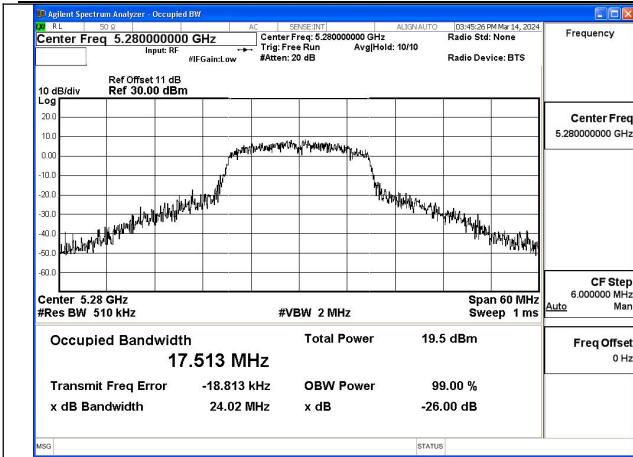
Mode:802.11n HT20 Frequency:5280MHz Ant:Chain0



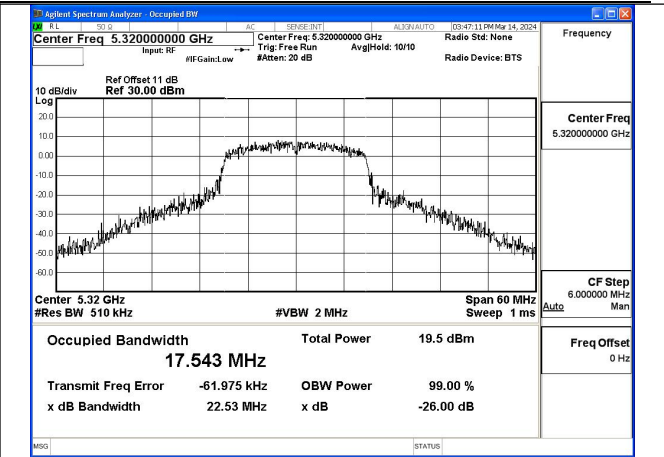
Mode:802.11n HT20 Frequency:5320MHz Ant:Chain0



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

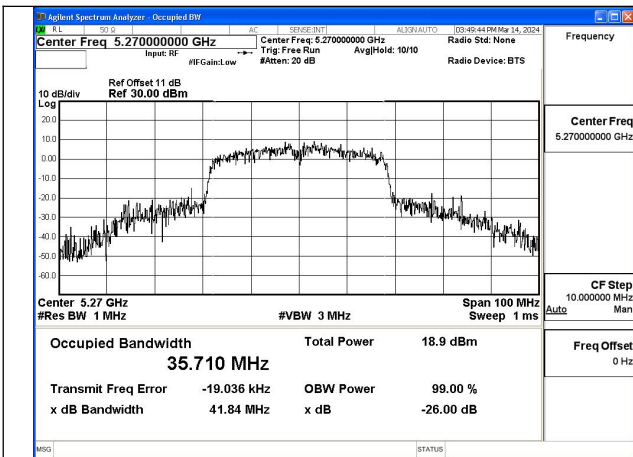


Mode:802.11n HT20 Frequency:5280MHz Ant:Chain1

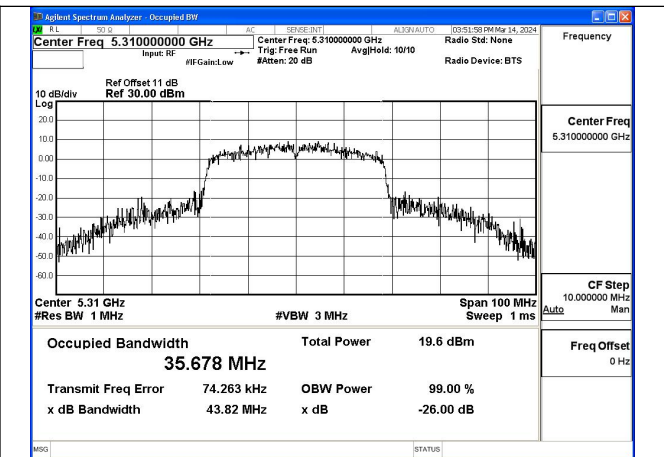


Mode:802.11n HT20 Frequency:5320MHz Ant:Chain1

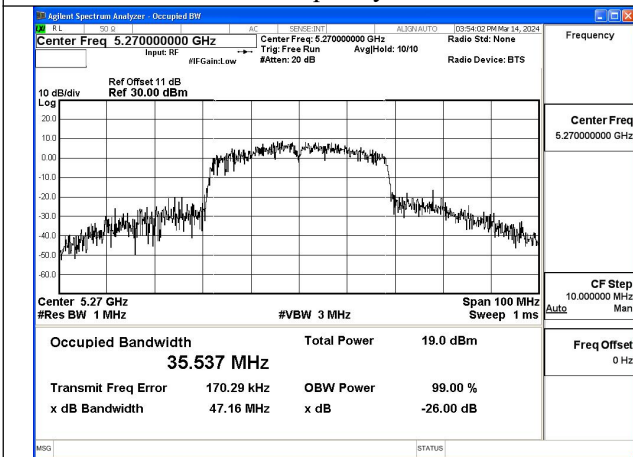
Test Mode: 802.11n HT40



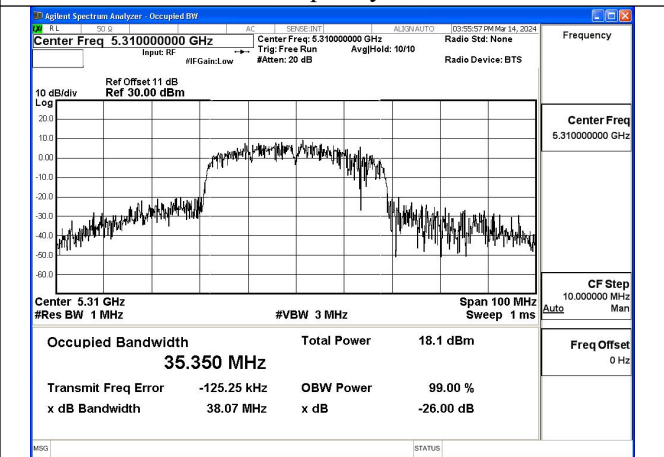
Mode:802.11n HT40 Frequency:5270MHz Ant:Chain0



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



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



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

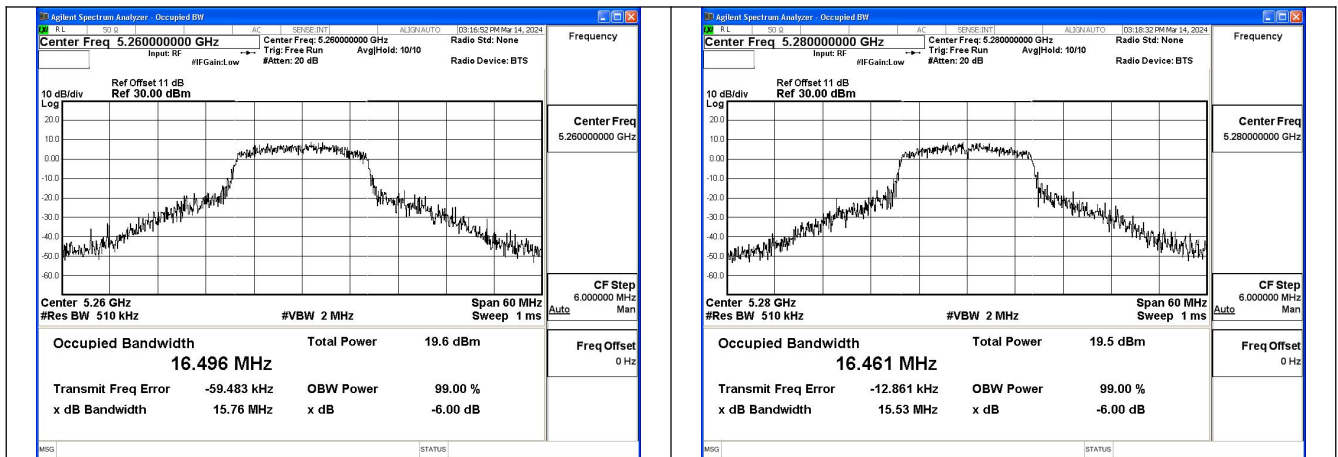
Occupied Bandwidth

Offset 11dB = Attenuator + Temporary antenna connector loss + Cable loss

| Test Mode | Antenna | Occupied Bandwidth (MHz) | | |
|--------------|---------|--------------------------|---------|---------|
| | | 5260MHz | 5280MHz | 5320MHz |
| 802.11a | Chain0 | 16.496 | 16.461 | 16.431 |
| 802.11a | Chain1 | 16.506 | 16.488 | 16.540 |
| 802.11n HT20 | Chain0 | 17.537 | 17.507 | 17.525 |
| 802.11n HT20 | Chain1 | 17.528 | 17.624 | 17.588 |

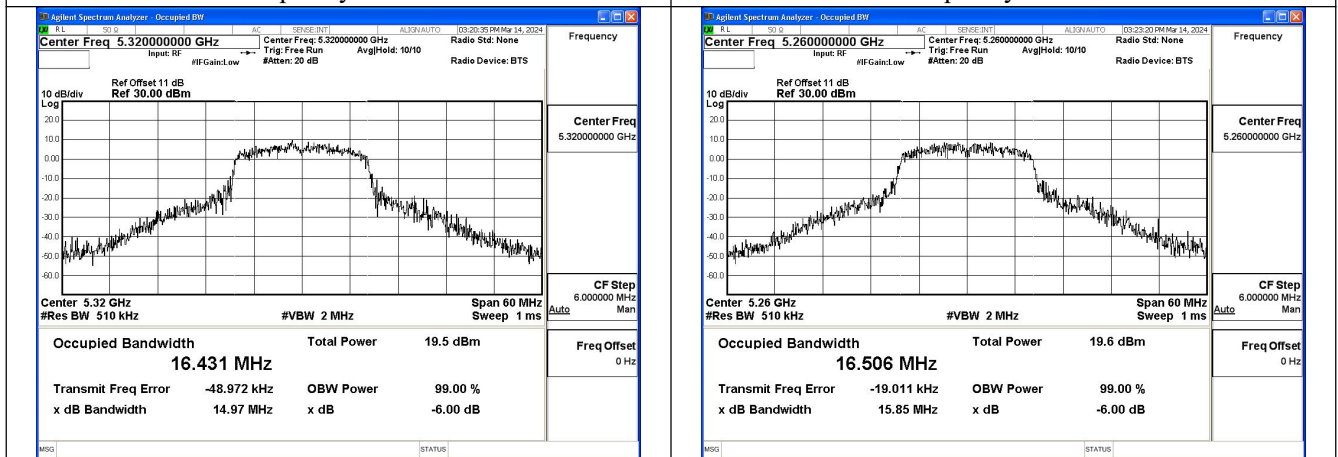
| Test Mode | Antenna | Occupied Bandwidth (MHz) | | |
|--------------|---------|--------------------------|-----|---------|
| | | 5270MHz | --- | 5310MHz |
| 802.11n HT40 | Chain0 | 35.564 | --- | 35.516 |
| 802.11n HT40 | Chain1 | 35.611 | --- | 35.781 |

Test Mode: 802.11a



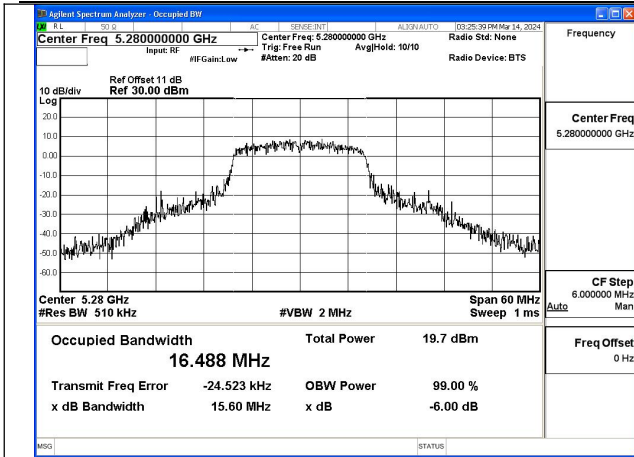
Mode:802.11a Frequency:5260MHz Ant:Chain0

Mode:802.11a Frequency:5280MHz Ant:Chain0

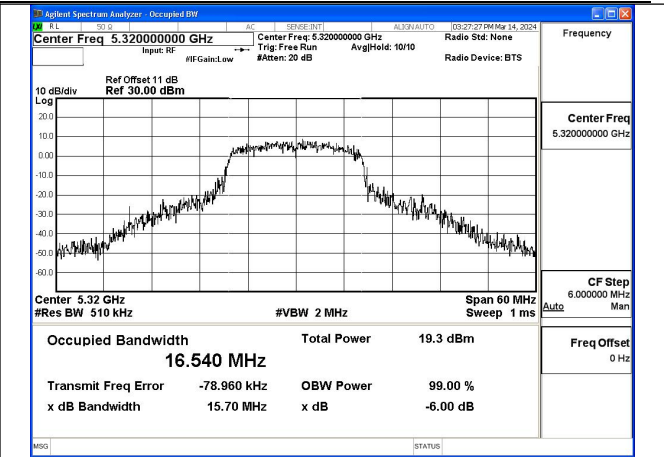


Mode:802.11a Frequency:5320MHz Ant:Chain0

Mode:802.11a Frequency:5260MHz Ant:Chain1

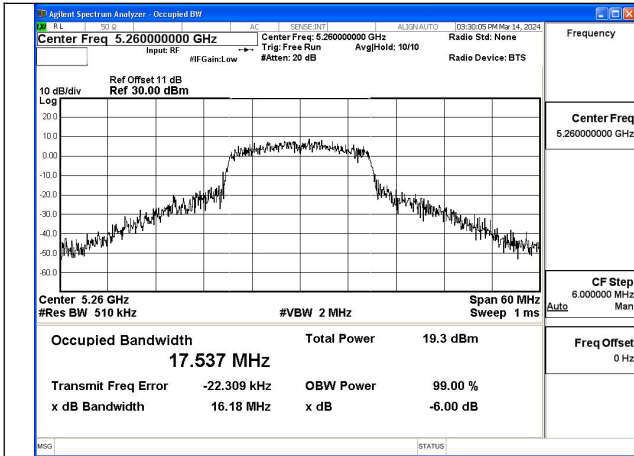


Mode:802.11a Frequency:5280MHz Ant:Chain1

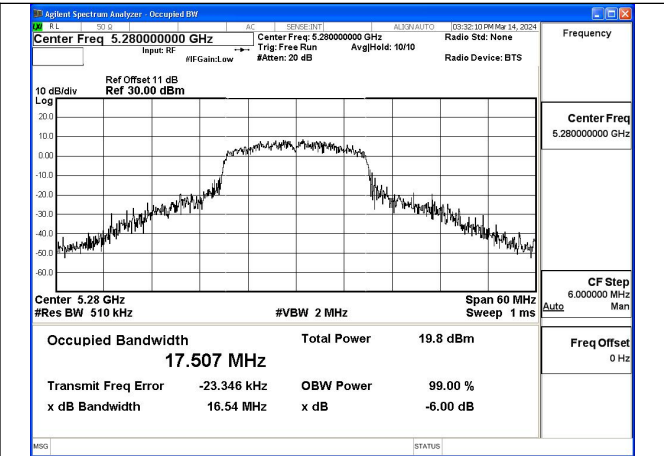


Mode:802.11a Frequency:5320MHz Ant:Chain1

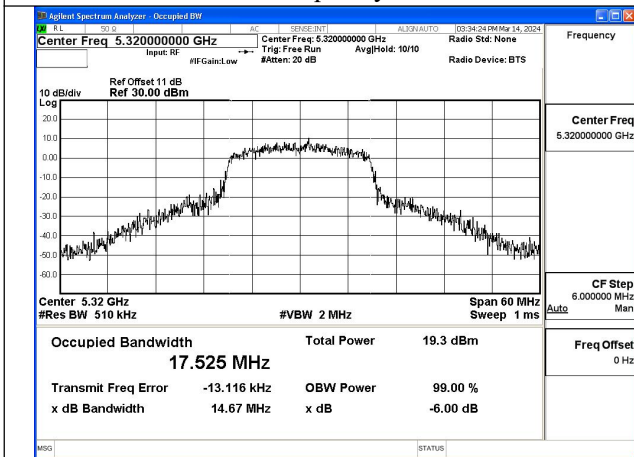
Test Mode: 802.11n HT20



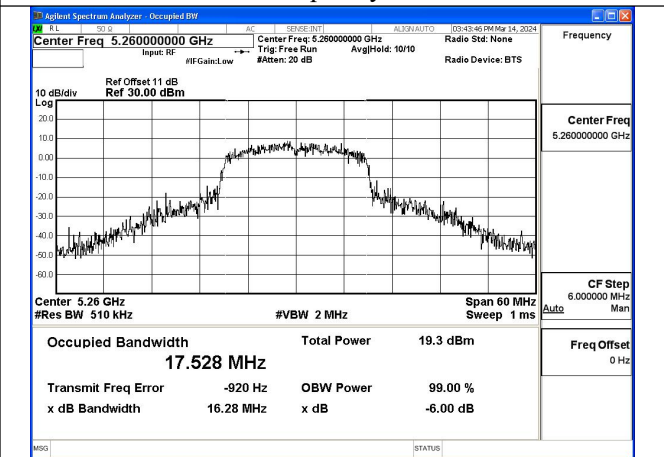
Mode:802.11n HT20 Frequency:5260MHz Ant:Chain0



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



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



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