

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

RTL8852BE

Duty Cycle

| Test Mode | Frequency (MHz) | Duty Cycle (%) | Correction Factor(dB) | Plot |
|----------------|-----------------|----------------|-----------------------|--------|
| 802.11a | 5260 | 98.59% | 0 | Fig.1 |
| 802.11a | 5260 | 98.58% | 0 | Fig.2 |
| 802.11n HT20 | 5260 | 98.57% | 0 | Fig.3 |
| 802.11n HT20 | 5260 | 98.56% | 0 | Fig.4 |
| 802.11ac VHT20 | 5260 | 98.51% | 0 | Fig.5 |
| 802.11ac VHT20 | 5260 | 98.56% | 0 | Fig.6 |
| 802.11ax HE20 | 5260 | 98.32% | 0 | Fig.7 |
| 802.11ax HE20 | 5260 | 98.31% | 0 | Fig.8 |
| 802.11n HT40 | 5270 | 98.06% | 0 | Fig.9 |
| 802.11n HT40 | 5270 | 98.13% | 0 | Fig.10 |
| 802.11ac VHT40 | 5270 | 98.17% | 0 | Fig.11 |
| 802.11ac VHT40 | 5270 | 98.07% | 0 | Fig.12 |
| 802.11ax HE40 | 5270 | 98.04% | 0 | Fig.13 |
| 802.11ax HE40 | 5270 | 98.15% | 0 | Fig.14 |
| 802.11ac VHT80 | 5290 | 97.93% | 0.09 | Fig.15 |
| 802.11ac VHT80 | 5290 | 97.97% | 0.09 | Fig.16 |
| 802.11ax HE80 | 5290 | 97.96% | 0.09 | Fig.17 |
| 802.11ax HE80 | 5290 | 97.92% | 0.09 | Fig.18 |

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





Fig.3



Fig.4



Fig.5



Fig.6



Fig.7



Fig.8

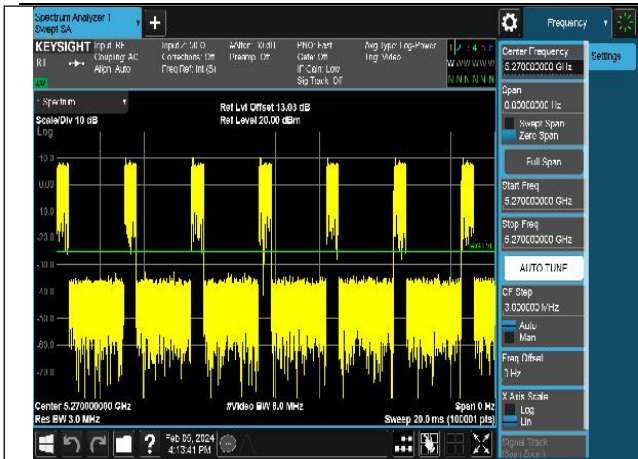


Fig.9



Fig.10



Fig.11



Fig.12



Fig.13

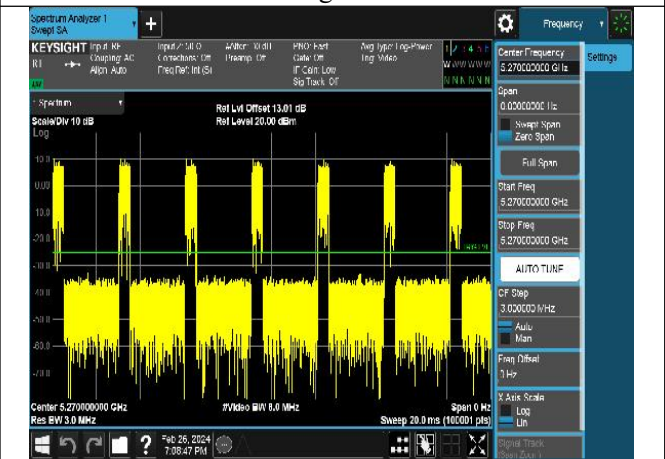


Fig.14



Fig.15



Fig.16



Fig.17



Fig.18

Output Power

| Mode | Tones/ RU Index | Frequency (MHz) | Antenna | Conducted average power output(dBm) | EIRP (dBm) |
|----------------|--------------------|--------------------|---------|--|---------------|
| 802.11a | NA | 5260 | Chain0 | 7.65 | 9.27 |
| 802.11a | NA | 5260 | Chain1 | 5.19 | 5.99 |
| 802.11a | NA | 5280 | Chain0 | 6.80 | 8.42 |
| 802.11a | NA | 5280 | Chain1 | 5.37 | 6.17 |
| 802.11a | NA | 5320 | Chain0 | 6.80 | 8.42 |
| 802.11a | NA | 5320 | Chain1 | 5.34 | 6.14 |
| 802.11n HT20 | NA | 5260 | Chain0 | 7.69 | 9.31 |
| 802.11n HT20 | NA | 5260 | Chain1 | 4.97 | 5.77 |
| 802.11n HT20 | NA | 5260 | MIMO | 9.55 | 10.78 |
| 802.11n HT20 | NA | 5280 | Chain0 | 6.94 | 8.56 |
| 802.11n HT20 | NA | 5280 | Chain1 | 4.49 | 5.29 |
| 802.11n HT20 | NA | 5280 | MIMO | 8.90 | 10.13 |
| 802.11n HT20 | NA | 5320 | Chain0 | 6.38 | 8.00 |
| 802.11n HT20 | NA | 5320 | Chain1 | 4.78 | 5.58 |
| 802.11n HT20 | NA | 5320 | MIMO | 8.66 | 9.89 |
| 802.11ac VHT20 | NA | 5260 | Chain0 | 7.97 | 9.59 |
| 802.11ac VHT20 | NA | 5260 | Chain1 | 4.96 | 5.76 |
| 802.11ac VHT20 | NA | 5260 | MIMO | 9.73 | 10.96 |
| 802.11ac VHT20 | NA | 5280 | Chain0 | 6.90 | 8.52 |
| 802.11ac VHT20 | NA | 5280 | Chain1 | 5.37 | 6.17 |
| 802.11ac VHT20 | NA | 5280 | MIMO | 9.21 | 10.44 |
| 802.11ac VHT20 | NA | 5320 | Chain0 | 6.96 | 8.58 |
| 802.11ac VHT20 | NA | 5320 | Chain1 | 5.17 | 5.97 |
| 802.11ac VHT20 | NA | 5320 | MIMO | 9.17 | 10.40 |
| 802.11n HT40 | NA | 5270 | Chain0 | 4.47 | 6.09 |
| 802.11n HT40 | NA | 5270 | Chain1 | 3.36 | 4.16 |
| 802.11n HT40 | NA | 5270 | MIMO | 6.96 | 8.19 |
| 802.11n HT40 | NA | 5310 | Chain0 | 4.37 | 5.99 |
| 802.11n HT40 | NA | 5310 | Chain1 | 2.20 | 3.00 |
| 802.11n HT40 | NA | 5310 | MIMO | 6.43 | 7.66 |
| 802.11ac VHT40 | NA | 5270 | Chain0 | 5.00 | 6.62 |
| 802.11ac VHT40 | NA | 5270 | Chain1 | 2.81 | 3.61 |
| 802.11ac VHT40 | NA | 5270 | MIMO | 7.05 | 8.28 |
| 802.11ac VHT40 | NA | 5310 | Chain0 | 4.93 | 6.55 |
| 802.11ac VHT40 | NA | 5310 | Chain1 | 2.80 | 3.60 |
| 802.11ac VHT40 | NA | 5310 | MIMO | 7.00 | 8.23 |
| 802.11ac VHT80 | NA | 5290 | Chain0 | 1.48 | 3.10 |
| 802.11ac VHT80 | NA | 5290 | Chain1 | 0.43 | 1.23 |
| 802.11ac VHT80 | NA | 5290 | MIMO | 4.00 | 5.23 |

| Mode | Tones/ RU Index | Frequency (MHz) | Antenna | Conducted average | EIRP (dBm) |
|------|--------------------|--------------------|---------|----------------------|---------------|
|------|--------------------|--------------------|---------|----------------------|---------------|

| | | | | power output(dBm) | |
|---------------|--------|------|--------|-------------------|-------|
| 802.11ax HE20 | 26T 0 | 5260 | Chain0 | 6.72 | 8.34 |
| 802.11ax HE20 | 26T 0 | 5260 | Chain1 | 7.79 | 8.59 |
| 802.11ax HE20 | 26T 0 | 5260 | MIMO | 10.30 | 11.53 |
| 802.11ax HE20 | 26T 0 | 5280 | Chain0 | 7.72 | 9.34 |
| 802.11ax HE20 | 26T 0 | 5280 | Chain1 | 7.94 | 8.74 |
| 802.11ax HE20 | 26T 0 | 5280 | MIMO | 10.84 | 12.07 |
| 802.11ax HE20 | 26T 0 | 5320 | Chain0 | 7.77 | 9.39 |
| 802.11ax HE20 | 26T 0 | 5320 | Chain1 | 4.89 | 5.69 |
| 802.11ax HE20 | 26T 0 | 5320 | MIMO | 9.57 | 10.80 |
| 802.11ax HE20 | 26T 4 | 5260 | Chain0 | 7.71 | 9.33 |
| 802.11ax HE20 | 26T 4 | 5260 | Chain1 | 7.32 | 8.12 |
| 802.11ax HE20 | 26T 4 | 5260 | MIMO | 10.53 | 11.76 |
| 802.11ax HE20 | 26T 4 | 5280 | Chain0 | 5.99 | 7.61 |
| 802.11ax HE20 | 26T 4 | 5280 | Chain1 | 8.57 | 9.37 |
| 802.11ax HE20 | 26T 4 | 5280 | MIMO | 10.48 | 11.71 |
| 802.11ax HE20 | 26T 4 | 5320 | Chain0 | 8.50 | 10.12 |
| 802.11ax HE20 | 26T 4 | 5320 | Chain1 | 5.63 | 6.43 |
| 802.11ax HE20 | 26T 4 | 5320 | MIMO | 10.31 | 11.54 |
| 802.11ax HE20 | 26T 8 | 5260 | Chain0 | 7.44 | 9.06 |
| 802.11ax HE20 | 26T 8 | 5260 | Chain1 | 7.81 | 8.61 |
| 802.11ax HE20 | 26T 8 | 5260 | MIMO | 10.64 | 11.87 |
| 802.11ax HE20 | 26T 8 | 5280 | Chain0 | 6.97 | 8.59 |
| 802.11ax HE20 | 26T 8 | 5280 | Chain1 | 7.04 | 7.84 |
| 802.11ax HE20 | 26T 8 | 5280 | MIMO | 10.02 | 11.25 |
| 802.11ax HE20 | 26T 8 | 5320 | Chain0 | 7.06 | 8.68 |
| 802.11ax HE20 | 26T 8 | 5320 | Chain1 | 5.07 | 5.87 |
| 802.11ax HE20 | 26T 8 | 5320 | MIMO | 9.19 | 10.42 |
| 802.11ax HE20 | 52T 37 | 5260 | Chain0 | 7.72 | 9.34 |
| 802.11ax HE20 | 52T 37 | 5260 | Chain1 | 6.96 | 7.76 |
| 802.11ax HE20 | 52T 37 | 5260 | MIMO | 10.37 | 11.60 |
| 802.11ax HE20 | 52T 37 | 5280 | Chain0 | 7.21 | 8.83 |
| 802.11ax HE20 | 52T 37 | 5280 | Chain1 | 7.58 | 8.38 |
| 802.11ax HE20 | 52T 37 | 5280 | MIMO | 10.41 | 11.64 |
| 802.11ax HE20 | 52T 37 | 5320 | Chain0 | 7.31 | 8.93 |
| 802.11ax HE20 | 52T 37 | 5320 | Chain1 | 6.25 | 7.05 |
| 802.11ax HE20 | 52T 37 | 5320 | MIMO | 9.82 | 11.05 |
| 802.11ax HE20 | 52T 39 | 5260 | Chain0 | 6.40 | 8.02 |
| 802.11ax HE20 | 52T 39 | 5260 | Chain1 | 7.07 | 7.87 |
| 802.11ax HE20 | 52T 39 | 5260 | MIMO | 9.76 | 10.99 |
| 802.11ax HE20 | 52T 39 | 5280 | Chain0 | 7.80 | 9.42 |
| 802.11ax HE20 | 52T 39 | 5280 | Chain1 | 8.23 | 9.03 |
| 802.11ax HE20 | 52T 39 | 5280 | MIMO | 11.03 | 12.26 |
| 802.11ax HE20 | 52T 39 | 5320 | Chain0 | 7.57 | 9.19 |
| 802.11ax HE20 | 52T 39 | 5320 | Chain1 | 4.89 | 5.69 |

| | | | | | |
|---------------|---------|------|--------|-------|-------|
| 802.11ax HE20 | 52T 39 | 5320 | MIMO | 9.44 | 10.67 |
| 802.11ax HE20 | 52T 40 | 5260 | Chain0 | 6.91 | 8.53 |
| 802.11ax HE20 | 52T 40 | 5260 | Chain1 | 7.75 | 8.55 |
| 802.11ax HE20 | 52T 40 | 5260 | MIMO | 10.36 | 11.59 |
| 802.11ax HE20 | 52T 40 | 5280 | Chain0 | 7.63 | 9.25 |
| 802.11ax HE20 | 52T 40 | 5280 | Chain1 | 7.12 | 7.92 |
| 802.11ax HE20 | 52T 40 | 5280 | MIMO | 10.39 | 11.62 |
| 802.11ax HE20 | 52T 40 | 5320 | Chain0 | 8.03 | 9.65 |
| 802.11ax HE20 | 52T 40 | 5320 | Chain1 | 5.52 | 6.32 |
| 802.11ax HE20 | 52T 40 | 5320 | MIMO | 9.96 | 11.19 |
| 802.11ax HE20 | 106T 53 | 5260 | Chain0 | 7.41 | 9.03 |
| 802.11ax HE20 | 106T 53 | 5260 | Chain1 | 6.21 | 7.01 |
| 802.11ax HE20 | 106T 53 | 5260 | MIMO | 9.86 | 11.09 |
| 802.11ax HE20 | 106T 53 | 5280 | Chain0 | 7.90 | 9.52 |
| 802.11ax HE20 | 106T 53 | 5280 | Chain1 | 8.41 | 9.21 |
| 802.11ax HE20 | 106T 53 | 5280 | MIMO | 11.17 | 12.40 |
| 802.11ax HE20 | 106T 53 | 5320 | Chain0 | 7.02 | 8.64 |
| 802.11ax HE20 | 106T 53 | 5320 | Chain1 | 5.10 | 5.90 |
| 802.11ax HE20 | 106T 53 | 5320 | MIMO | 9.18 | 10.41 |
| 802.11ax HE20 | 106T 54 | 5260 | Chain0 | 7.72 | 9.34 |
| 802.11ax HE20 | 106T 54 | 5260 | Chain1 | 6.89 | 7.69 |
| 802.11ax HE20 | 106T 54 | 5260 | MIMO | 10.34 | 11.57 |
| 802.11ax HE20 | 106T 54 | 5280 | Chain0 | 8.23 | 9.85 |
| 802.11ax HE20 | 106T 54 | 5280 | Chain1 | 7.61 | 8.41 |
| 802.11ax HE20 | 106T 54 | 5280 | MIMO | 10.94 | 12.17 |
| 802.11ax HE20 | 106T 54 | 5320 | Chain0 | 7.18 | 8.80 |
| 802.11ax HE20 | 106T 54 | 5320 | Chain1 | 4.98 | 5.78 |
| 802.11ax HE20 | 106T 54 | 5320 | MIMO | 9.23 | 10.46 |
| 802.11ax HE20 | 242T 61 | 5260 | Chain0 | 7.78 | 9.40 |
| 802.11ax HE20 | 242T 61 | 5260 | Chain1 | 8.58 | 9.38 |
| 802.11ax HE20 | 242T 61 | 5260 | MIMO | 11.21 | 12.44 |
| 802.11ax HE20 | 242T 61 | 5280 | Chain0 | 7.01 | 8.63 |
| 802.11ax HE20 | 242T 61 | 5280 | Chain1 | 6.37 | 7.17 |
| 802.11ax HE20 | 242T 61 | 5280 | MIMO | 10.62 | 11.85 |
| 802.11ax HE20 | 242T 61 | 5320 | Chain0 | 7.58 | 9.20 |
| 802.11ax HE20 | 242T 61 | 5320 | Chain1 | 4.52 | 5.32 |
| 802.11ax HE20 | 242T 61 | 5320 | MIMO | 9.32 | 10.55 |
| 802.11ax HE40 | 26T 0 | 5270 | Chain0 | 4.87 | 6.49 |
| 802.11ax HE40 | 26T 0 | 5270 | Chain1 | -3.48 | -2.68 |
| 802.11ax HE40 | 26T 0 | 5270 | MIMO | 5.46 | 6.69 |
| 802.11ax HE40 | 26T 0 | 5310 | Chain0 | 6.68 | 8.30 |
| 802.11ax HE40 | 26T 0 | 5310 | Chain1 | -3.56 | -2.76 |
| 802.11ax HE40 | 26T 0 | 5310 | MIMO | 7.07 | 8.30 |
| 802.11ax HE40 | 26T 10 | 5270 | Chain0 | 6.87 | 8.49 |
| 802.11ax HE40 | 26T 10 | 5270 | Chain1 | -5.39 | -4.59 |
| 802.11ax HE40 | 26T 10 | 5270 | MIMO | 7.12 | 8.35 |

| | | | | | |
|---------------|---------|------|--------|-------|-------|
| 802.11ax HE40 | 26T 10 | 5310 | Chain0 | 3.68 | 5.30 |
| 802.11ax HE40 | 26T 10 | 5310 | Chain1 | 3.31 | 4.11 |
| 802.11ax HE40 | 26T 10 | 5310 | MIMO | 6.51 | 7.74 |
| 802.11ax HE40 | 26T 17 | 5270 | Chain0 | 5.52 | 7.14 |
| 802.11ax HE40 | 26T 17 | 5270 | Chain1 | 4.77 | 5.57 |
| 802.11ax HE40 | 26T 17 | 5270 | MIMO | 8.17 | 9.40 |
| 802.11ax HE40 | 26T 17 | 5310 | Chain0 | 4.42 | 6.04 |
| 802.11ax HE40 | 26T 17 | 5310 | Chain1 | 6.11 | 6.91 |
| 802.11ax HE40 | 26T 17 | 5310 | MIMO | 8.36 | 9.59 |
| 802.11ax HE40 | 52T 37 | 5270 | Chain0 | 3.51 | 5.13 |
| 802.11ax HE40 | 52T 37 | 5270 | Chain1 | 2.77 | 3.57 |
| 802.11ax HE40 | 52T 37 | 5270 | MIMO | 6.17 | 7.40 |
| 802.11ax HE40 | 52T 37 | 5310 | Chain0 | 8.21 | 9.83 |
| 802.11ax HE40 | 52T 37 | 5310 | Chain1 | 3.99 | 4.79 |
| 802.11ax HE40 | 52T 37 | 5310 | MIMO | 9.60 | 10.83 |
| 802.11ax HE40 | 52T 41 | 5270 | Chain0 | 7.45 | 9.07 |
| 802.11ax HE40 | 52T 41 | 5270 | Chain1 | 2.98 | 3.78 |
| 802.11ax HE40 | 52T 41 | 5270 | MIMO | 8.78 | 10.01 |
| 802.11ax HE40 | 52T 41 | 5310 | Chain0 | 5.10 | 6.72 |
| 802.11ax HE40 | 52T 41 | 5310 | Chain1 | 3.95 | 4.75 |
| 802.11ax HE40 | 52T 41 | 5310 | MIMO | 7.57 | 8.80 |
| 802.11ax HE40 | 52T 44 | 5270 | Chain0 | 5.52 | 7.14 |
| 802.11ax HE40 | 52T 44 | 5270 | Chain1 | 0.78 | 1.58 |
| 802.11ax HE40 | 52T 44 | 5270 | MIMO | 6.78 | 8.01 |
| 802.11ax HE40 | 52T 44 | 5310 | Chain0 | 5.87 | 7.49 |
| 802.11ax HE40 | 52T 44 | 5310 | Chain1 | 0.98 | 1.78 |
| 802.11ax HE40 | 52T 44 | 5310 | MIMO | 7.09 | 8.32 |
| 802.11ax HE40 | 106T 53 | 5270 | Chain0 | 7.71 | 9.33 |
| 802.11ax HE40 | 106T 53 | 5270 | Chain1 | 3.92 | 4.72 |
| 802.11ax HE40 | 106T 53 | 5270 | MIMO | 9.23 | 10.46 |
| 802.11ax HE40 | 106T 53 | 5310 | Chain0 | 6.38 | 8.00 |
| 802.11ax HE40 | 106T 53 | 5310 | Chain1 | 4.17 | 4.97 |
| 802.11ax HE40 | 106T 53 | 5310 | MIMO | 8.42 | 9.65 |
| 802.11ax HE40 | 106T 55 | 5270 | Chain0 | 7.48 | 9.10 |
| 802.11ax HE40 | 106T 55 | 5270 | Chain1 | 4.24 | 5.04 |
| 802.11ax HE40 | 106T 55 | 5270 | MIMO | 9.17 | 10.40 |
| 802.11ax HE40 | 106T 55 | 5310 | Chain0 | 0.92 | 2.54 |
| 802.11ax HE40 | 106T 55 | 5310 | Chain1 | 4.42 | 5.22 |
| 802.11ax HE40 | 106T 55 | 5310 | MIMO | 6.02 | 7.25 |
| 802.11ax HE40 | 106T 56 | 5270 | Chain0 | 5.96 | 7.58 |
| 802.11ax HE40 | 106T 56 | 5270 | Chain1 | 5.24 | 6.04 |
| 802.11ax HE40 | 106T 56 | 5270 | MIMO | 8.63 | 9.86 |
| 802.11ax HE40 | 106T 56 | 5310 | Chain0 | 6.50 | 8.12 |
| 802.11ax HE40 | 106T 56 | 5310 | Chain1 | -1.07 | -0.27 |
| 802.11ax HE40 | 106T 56 | 5310 | MIMO | 7.20 | 8.43 |
| 802.11ax HE40 | 242T 61 | 5270 | Chain0 | 2.54 | 4.16 |

| | | | | | |
|---------------|---------|------|--------|------|-------|
| 802.11ax HE40 | 242T 61 | 5270 | Chain1 | 6.30 | 7.10 |
| 802.11ax HE40 | 242T 61 | 5270 | MIMO | 7.83 | 9.06 |
| 802.11ax HE40 | 242T 61 | 5310 | Chain0 | 6.24 | 7.86 |
| 802.11ax HE40 | 242T 61 | 5310 | Chain1 | 3.04 | 3.84 |
| 802.11ax HE40 | 242T 61 | 5310 | MIMO | 7.94 | 9.17 |
| 802.11ax HE40 | 242T 62 | 5270 | Chain0 | 8.20 | 9.82 |
| 802.11ax HE40 | 242T 62 | 5270 | Chain1 | 5.16 | 5.96 |
| 802.11ax HE40 | 242T 62 | 5270 | MIMO | 9.95 | 11.18 |
| 802.11ax HE40 | 242T 62 | 5310 | Chain0 | 5.29 | 6.91 |
| 802.11ax HE40 | 242T 62 | 5310 | Chain1 | 5.12 | 5.92 |
| 802.11ax HE40 | 242T 62 | 5310 | MIMO | 8.22 | 9.45 |
| 802.11ax HE40 | 484T 65 | 5270 | Chain0 | 4.92 | 6.54 |
| 802.11ax HE40 | 484T 65 | 5270 | Chain1 | 2.00 | 2.80 |
| 802.11ax HE40 | 484T 65 | 5270 | MIMO | 6.71 | 7.94 |
| 802.11ax HE40 | 484T 65 | 5310 | Chain0 | 4.29 | 5.91 |
| 802.11ax HE40 | 484T 65 | 5310 | Chain1 | 4.33 | 5.13 |
| 802.11ax HE40 | 484T 65 | 5310 | MIMO | 7.32 | 8.55 |
| 802.11ax HE80 | 26T 0 | 5290 | Chain0 | 4.05 | 5.67 |
| 802.11ax HE80 | 26T 0 | 5290 | Chain1 | 2.24 | 3.04 |
| 802.11ax HE80 | 26T 0 | 5290 | MIMO | 6.25 | 7.48 |
| 802.11ax HE80 | 26T 18 | 5290 | Chain0 | 3.97 | 5.59 |
| 802.11ax HE80 | 26T 18 | 5290 | Chain1 | 1.18 | 1.98 |
| 802.11ax HE80 | 26T 18 | 5290 | MIMO | 5.81 | 7.04 |
| 802.11ax HE80 | 26T 36 | 5290 | Chain0 | 4.01 | 5.63 |
| 802.11ax HE80 | 26T 36 | 5290 | Chain1 | 1.80 | 2.60 |
| 802.11ax HE80 | 26T 36 | 5290 | MIMO | 6.05 | 7.28 |
| 802.11ax HE80 | 52T 37 | 5290 | Chain0 | 3.35 | 4.97 |
| 802.11ax HE80 | 52T 37 | 5290 | Chain1 | 1.87 | 2.67 |
| 802.11ax HE80 | 52T 37 | 5290 | MIMO | 5.68 | 6.91 |
| 802.11ax HE80 | 52T 45 | 5290 | Chain0 | 4.45 | 6.07 |
| 802.11ax HE80 | 52T 45 | 5290 | Chain1 | 0.93 | 1.73 |
| 802.11ax HE80 | 52T 45 | 5290 | MIMO | 6.05 | 7.28 |
| 802.11ax HE80 | 52T 52 | 5290 | Chain0 | 2.67 | 4.29 |
| 802.11ax HE80 | 52T 52 | 5290 | Chain1 | 2.42 | 3.22 |
| 802.11ax HE80 | 52T 52 | 5290 | MIMO | 5.56 | 6.79 |
| 802.11ax HE80 | 106T 53 | 5290 | Chain0 | 3.51 | 5.13 |
| 802.11ax HE80 | 106T 53 | 5290 | Chain1 | 1.86 | 2.66 |
| 802.11ax HE80 | 106T 53 | 5290 | MIMO | 5.77 | 7.00 |
| 802.11ax HE80 | 106T 57 | 5290 | Chain0 | 4.68 | 6.30 |
| 802.11ax HE80 | 106T 57 | 5290 | Chain1 | 1.80 | 2.60 |
| 802.11ax HE80 | 106T 57 | 5290 | MIMO | 6.48 | 7.71 |
| 802.11ax HE80 | 106T 60 | 5290 | Chain0 | 4.10 | 5.72 |
| 802.11ax HE80 | 106T 60 | 5290 | Chain1 | 1.15 | 1.95 |
| 802.11ax HE80 | 106T 60 | 5290 | MIMO | 5.88 | 7.11 |
| 802.11ax HE80 | 242T 61 | 5290 | Chain0 | 3.90 | 5.52 |
| 802.11ax HE80 | 242T 61 | 5290 | Chain1 | 2.13 | 2.93 |

| | | | | | |
|---------------|---------|------|--------|------|------|
| 802.11ax HE80 | 242T 61 | 5290 | MIMO | 6.11 | 7.34 |
| 802.11ax HE80 | 242T 63 | 5290 | Chain0 | 4.16 | 5.78 |
| 802.11ax HE80 | 242T 63 | 5290 | Chain1 | 2.29 | 3.09 |
| 802.11ax HE80 | 242T 63 | 5290 | MIMO | 6.34 | 7.57 |
| 802.11ax HE80 | 242T 64 | 5290 | Chain0 | 3.60 | 5.22 |
| 802.11ax HE80 | 242T 64 | 5290 | Chain1 | 0.73 | 1.53 |
| 802.11ax HE80 | 242T 64 | 5290 | MIMO | 5.41 | 6.64 |
| 802.11ax HE80 | 484T 65 | 5290 | Chain0 | 3.58 | 5.20 |
| 802.11ax HE80 | 484T 65 | 5290 | Chain1 | 1.84 | 2.64 |
| 802.11ax HE80 | 484T 65 | 5290 | MIMO | 5.81 | 7.04 |
| 802.11ax HE80 | 484T 66 | 5290 | Chain0 | 4.09 | 5.71 |
| 802.11ax HE80 | 484T 66 | 5290 | Chain1 | 2.54 | 3.34 |
| 802.11ax HE80 | 484T 66 | 5290 | MIMO | 6.39 | 7.62 |
| 802.11ax HE80 | 996T 67 | 5290 | Chain0 | 4.72 | 6.34 |
| 802.11ax HE80 | 996T 67 | 5290 | Chain1 | 1.40 | 2.20 |
| 802.11ax HE80 | 996T 67 | 5290 | MIMO | 6.38 | 7.61 |

Emission Bandwidth

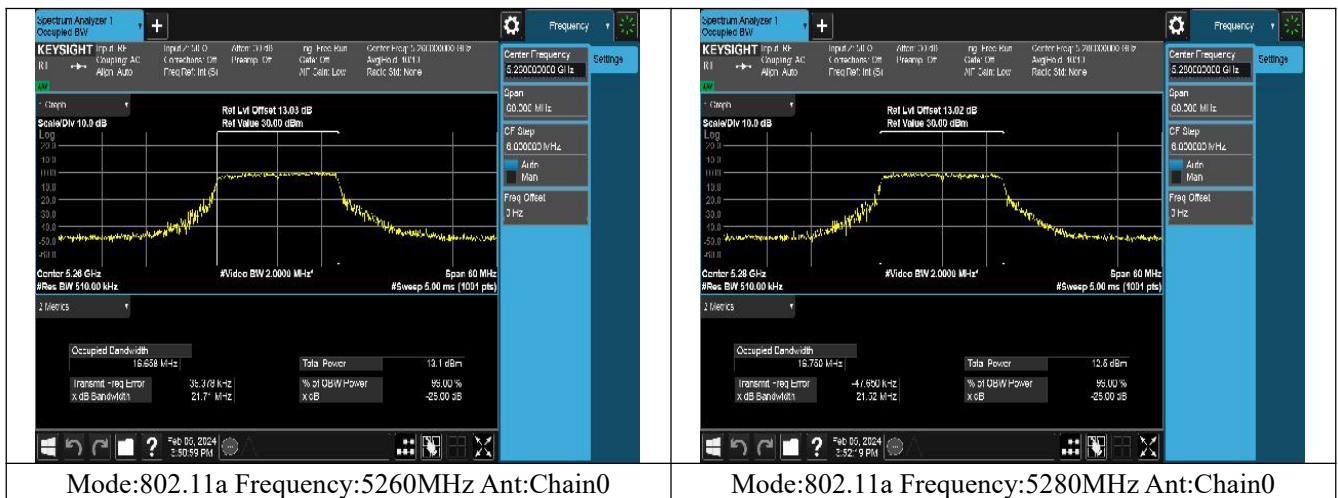
Offset 0dB = Attenuator + Temporary antenna connector loss + Cable loss

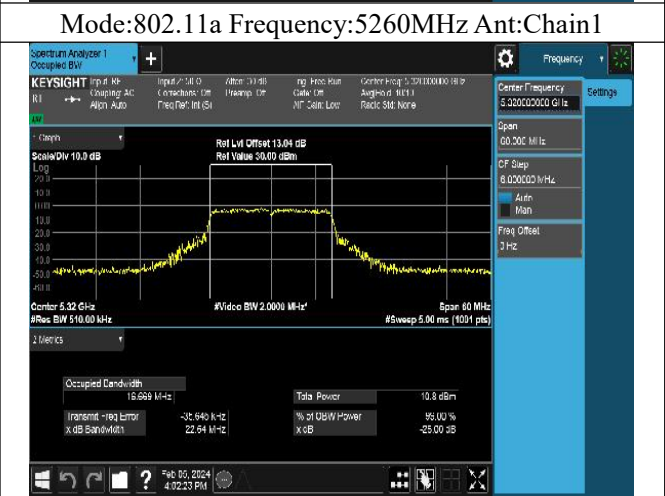
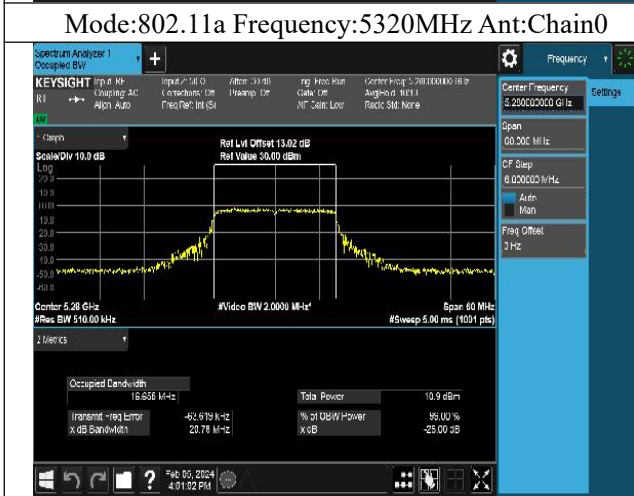
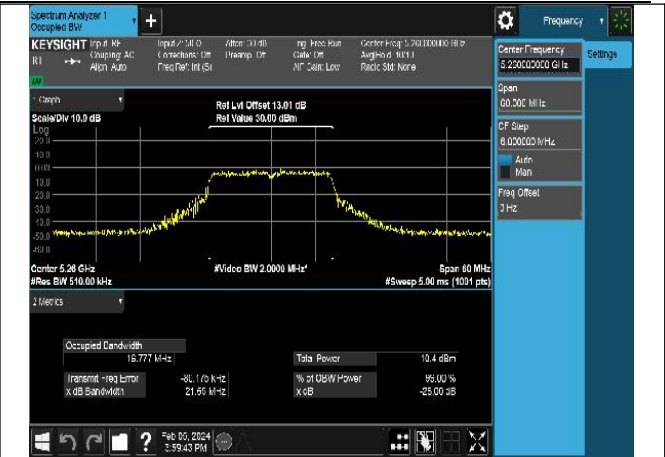
| Test Mode | Antenna | 26dB Bandwidth (MHz) | | |
|----------------|---------|----------------------|---------|---------|
| | | 5260MHz | 5280MHz | 5320MHz |
| 802.11a | Chain0 | 21.71 | 21.52 | 21.68 |
| 802.11a | Chain1 | 21.65 | 20.78 | 22.64 |
| 802.11n HT20 | Chain0 | 20.71 | 21.66 | 23.11 |
| 802.11n HT20 | Chain1 | 22.87 | 23.21 | 23.03 |
| 802.11ac VHT20 | Chain0 | 21.47 | 22.17 | 22.35 |
| 802.11ac VHT20 | Chain1 | 21.37 | 21.30 | 21.81 |
| 802.11ax HE20 | Chain0 | 21.61 | 22.16 | 22.02 |
| 802.11ax HE20 | Chain1 | 21.79 | 22.16 | 21.78 |

| Test Mode | Antenna | 26dB Bandwidth (MHz) | | |
|----------------|---------|----------------------|-----|---------|
| | | 5270MHz | --- | 5310MHz |
| 802.11n HT40 | Chain0 | 41.77 | --- | 43.05 |
| 802.11n HT40 | Chain1 | 43.81 | --- | 43.48 |
| 802.11ac VHT40 | Chain0 | 41.68 | --- | 42.30 |
| 802.11ac VHT40 | Chain1 | 43.49 | --- | 42.82 |
| 802.11ax HE40 | Chain0 | 41.82 | --- | 43.31 |
| 802.11ax HE40 | Chain1 | 42.21 | --- | 41.86 |

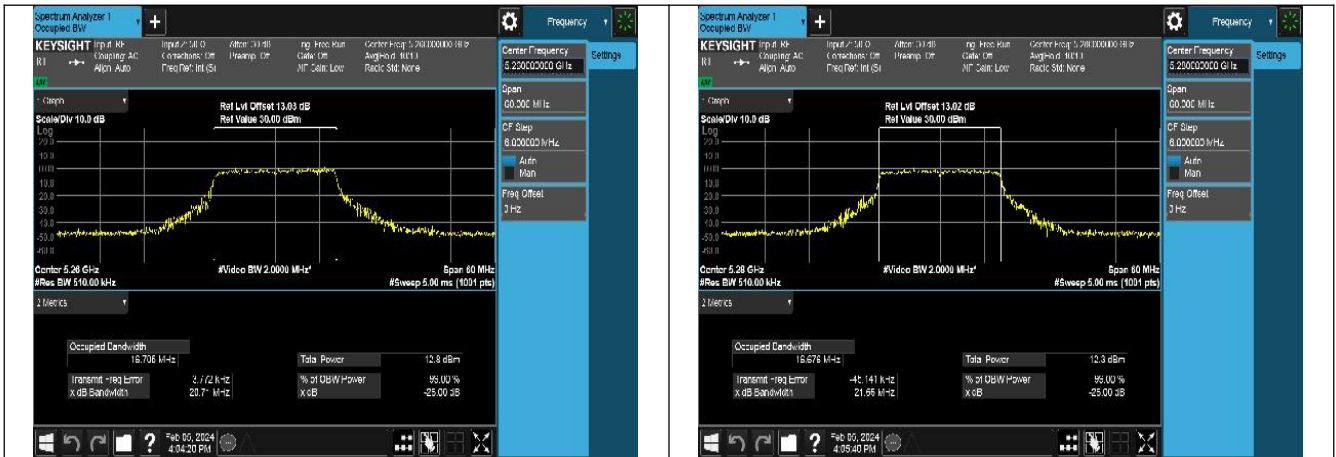
| Test Mode | Antenna | 26dB Bandwidth (MHz) | | |
|----------------|---------|----------------------|-----|-----|
| | | 5290MHz | --- | --- |
| 802.11ac VHT80 | Chain0 | 80.82 | --- | --- |
| 802.11ac VHT80 | Chain1 | 81.59 | --- | --- |
| 802.11ax HE80 | Chain0 | 82.38 | --- | --- |
| 802.11ax HE80 | Chain1 | 82.77 | --- | --- |

Test Mode: 802.11a





Test Mode: 802.11n HT20



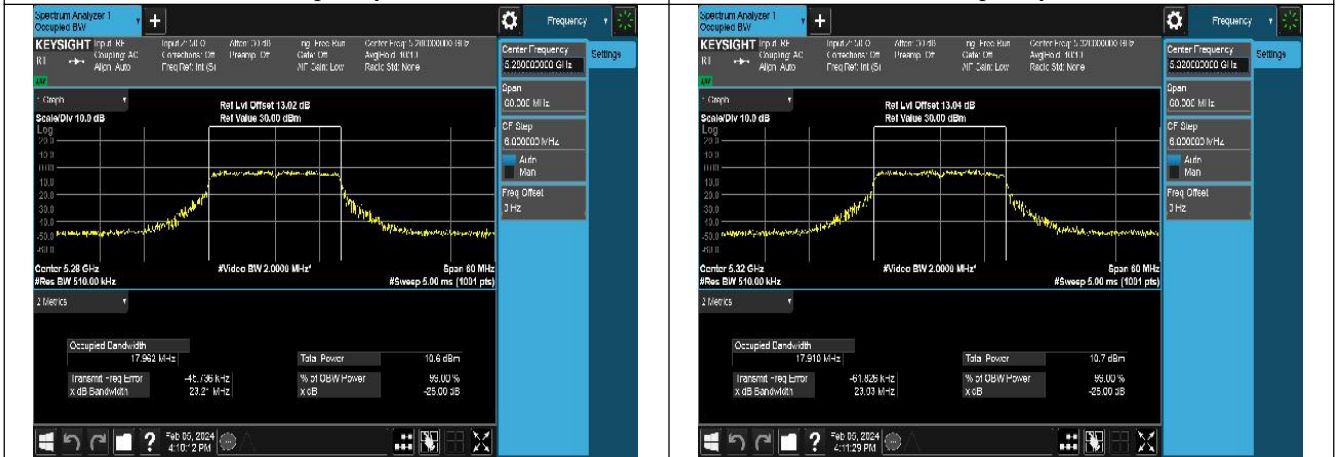
Mode:802.11n HT20 Frequency:5260MHz Ant:Chain0

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



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

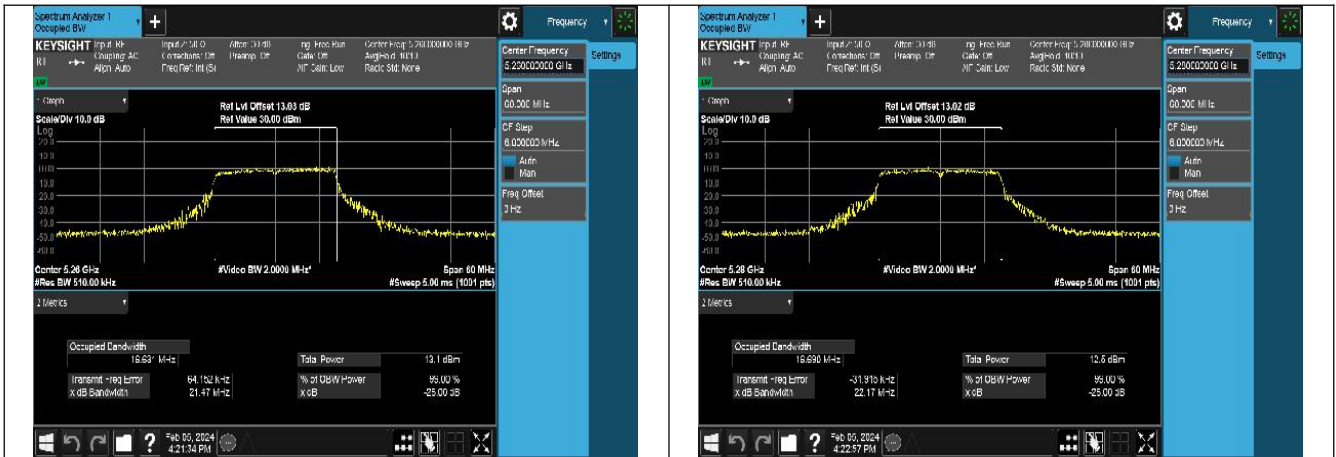
Mode:802.11n HT20 Frequency:5260MHz Ant:Chain1



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

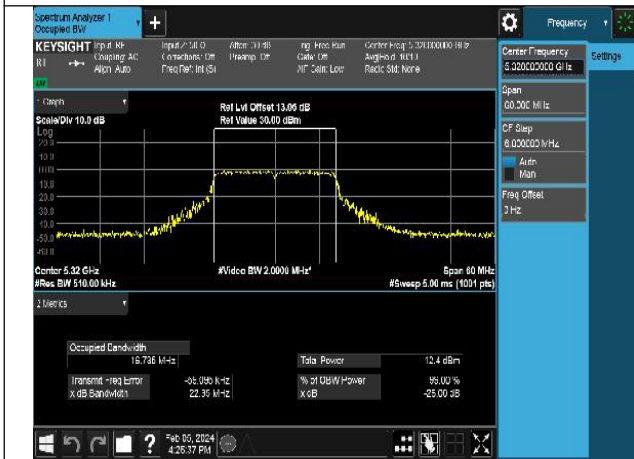
Mode:802.11n HT20 Frequency:5320MHz Ant:Chain1

Test Mode: 802.11ac VHT20

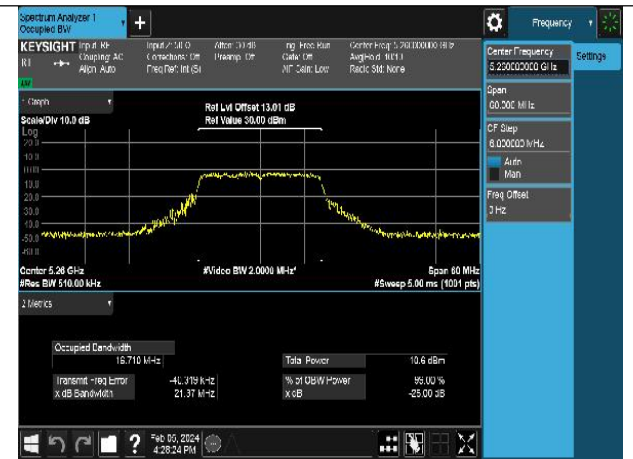


Mode:802.11ac VHT20 Frequency:5260MHz
Ant:Chain0

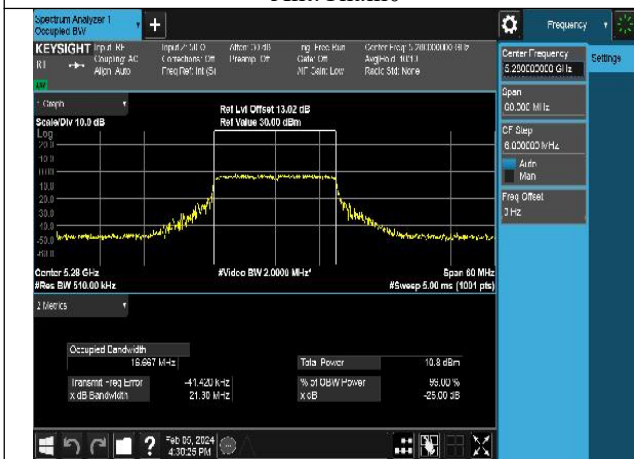
Mode:802.11ac VHT20 Frequency:5280MHz
Ant:Chain0



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



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

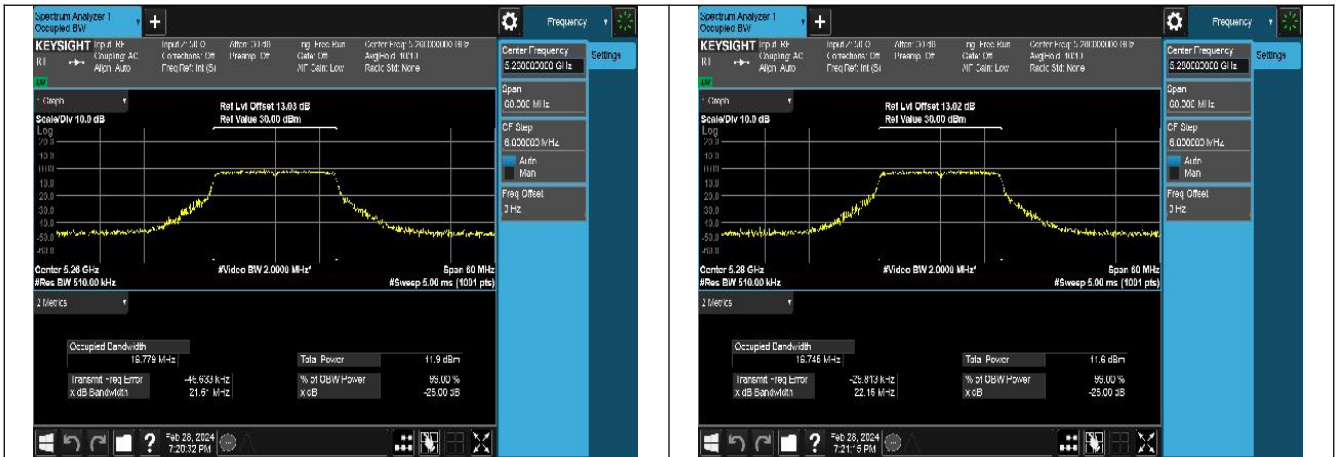


Mode:802.11ac VHT20 Frequency:5280MHz
Ant:Chain1



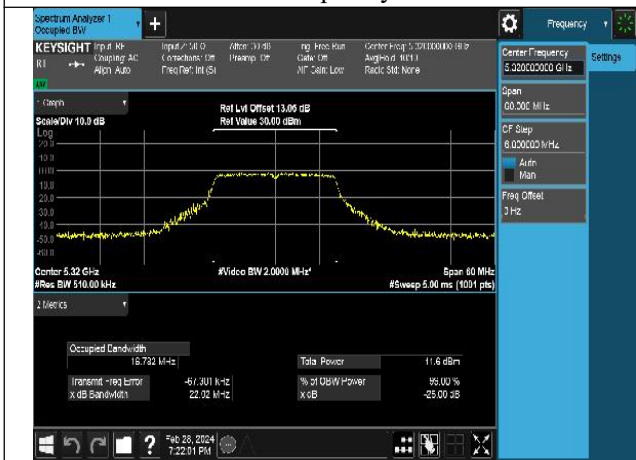
Mode:802.11ac VHT20 Frequency:5320MHz
Ant:Chain1

Test Mode: 802.11ax HE20



Mode:802.11ax HE20 Frequency:5260MHz Ant:Chain0

Mode:802.11ax HE20 Frequency:5280MHz Ant:Chain0



Mode:802.11ax HE20 Frequency:5320MHz Ant:Chain0

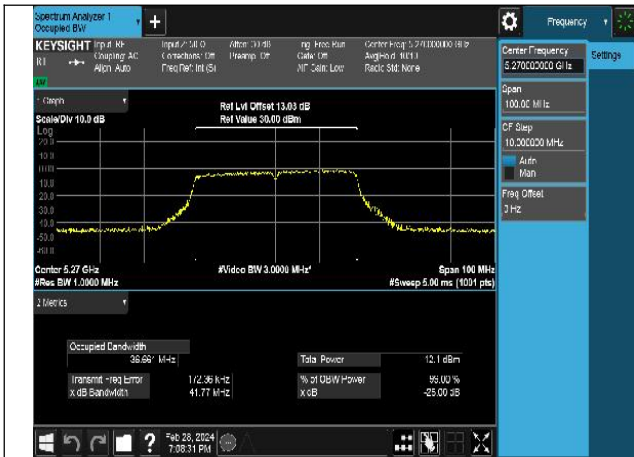
Mode:802.11ax HE20 Frequency:5260MHz Ant:Chain1



Mode:802.11ax HE20 Frequency:5280MHz Ant:Chain1

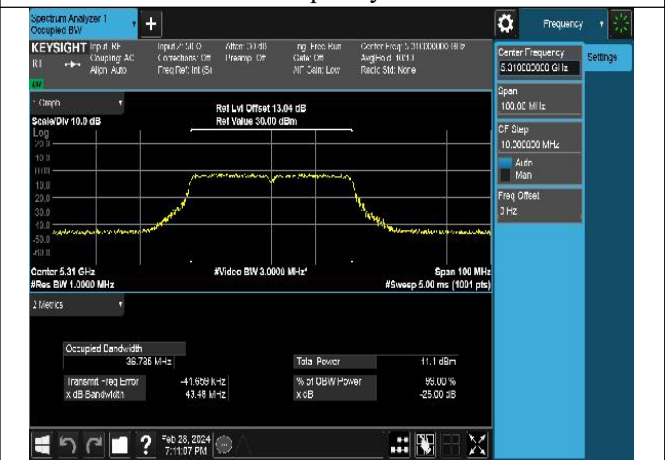
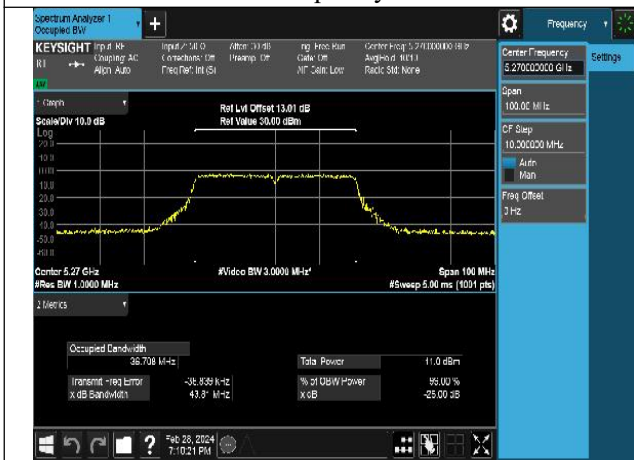
Mode:802.11ax HE20 Frequency:5320MHz Ant:Chain1

Test Mode: 802.11n HT40



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

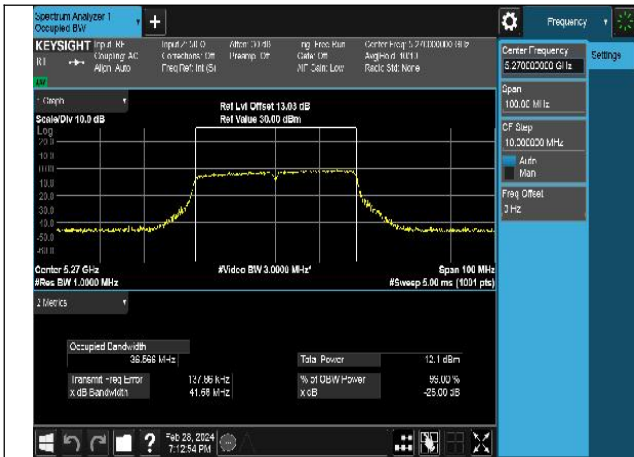
Mode:802.11n HT40 Frequency:5310MHz Ant:Chain0



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

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

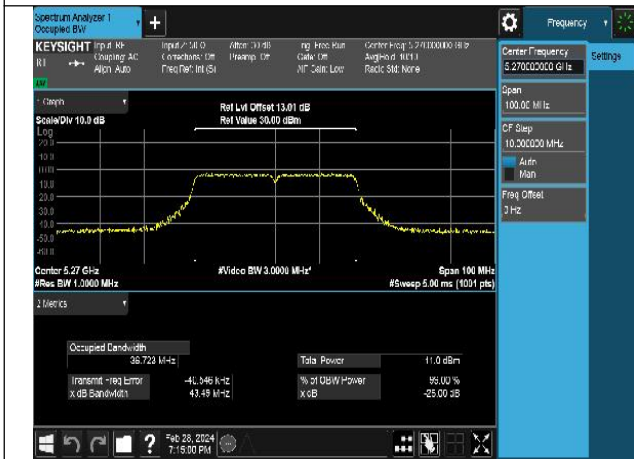
Test Mode: 802.11ac VHT40



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



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

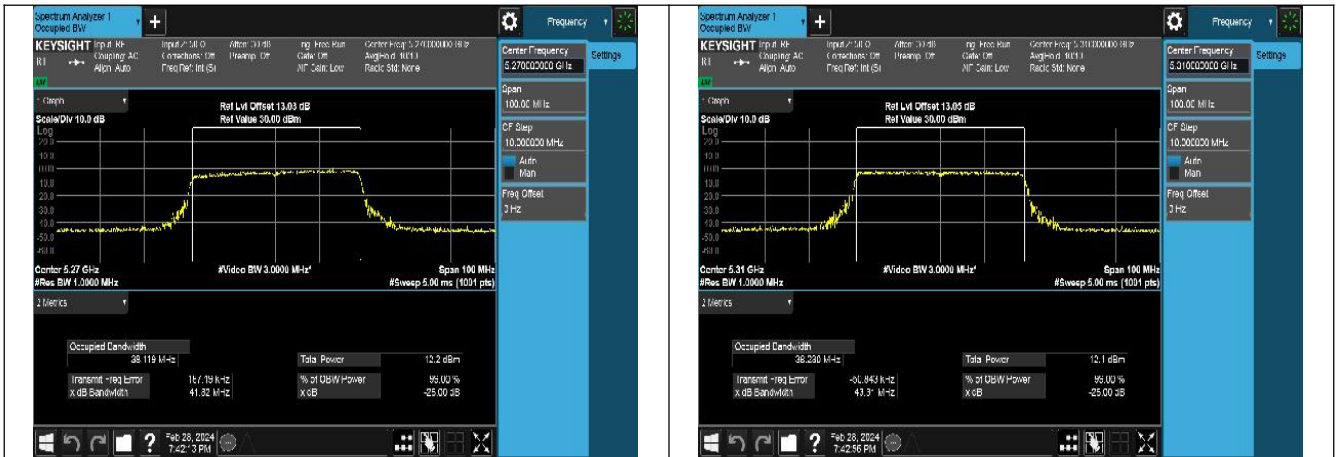


Mode:802.11ac VHT40 Frequency:5270MHz
Ant:Chain1



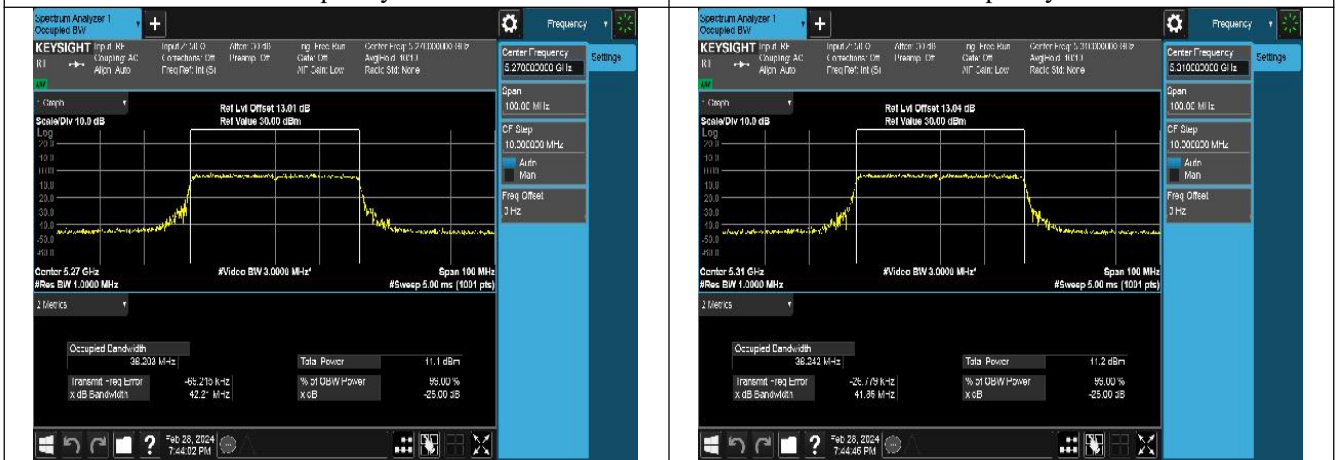
Mode:802.11ac VHT40 Frequency:5310MHz
Ant:Chain1

Test Mode: 802.11ax HE40



Mode:802.11ax HE40 Frequency:5270MHz Ant:Chain0

Mode:802.11ax HE40 Frequency:5310MHz Ant:Chain0



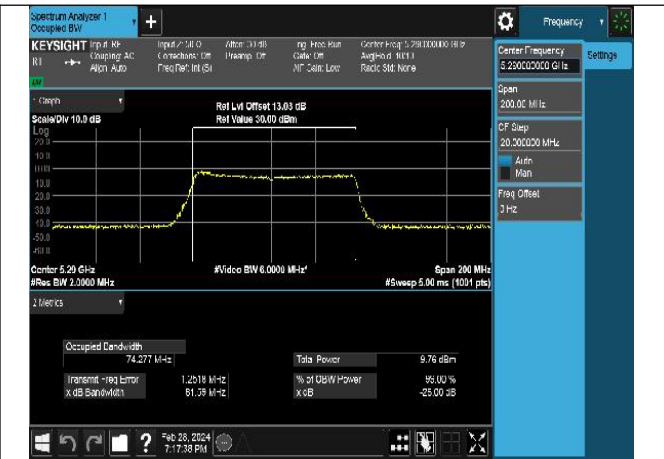
Mode:802.11ax HE40 Frequency:5270MHz Ant:Chain1

Mode:802.11ax HE40 Frequency:5310MHz Ant:Chain1

Test Mode: 802.11ac VHT80

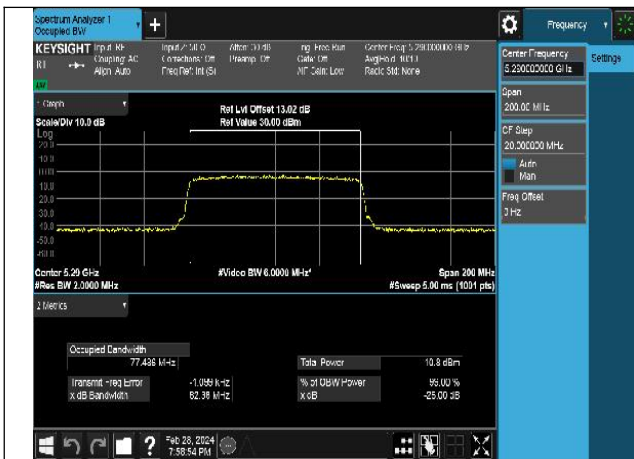


Mode:802.11ac VHT80 Frequency:5290MHz
Ant:Chain0



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

Test Mode: 802.11ax HE80



Mode:802.11ax HE80 Frequency:5290MHz Ant:Chain0



Mode:802.11ax HE80 Frequency:5290MHz Ant:Chain1

Occupied Bandwidth

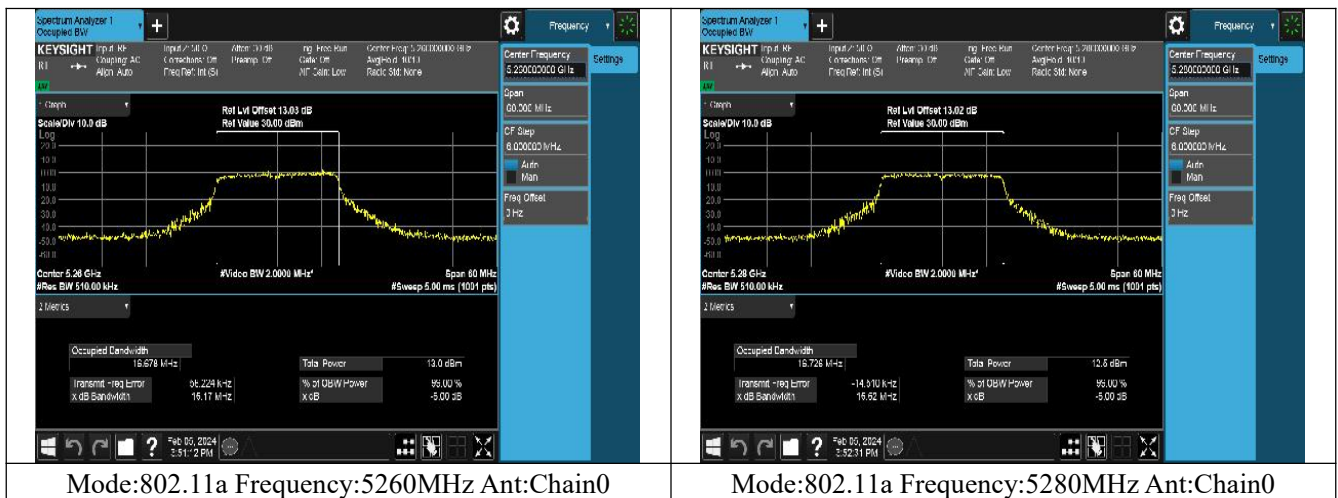
Offset 0dB = Attenuator + Temporary antenna connector loss + Cable loss

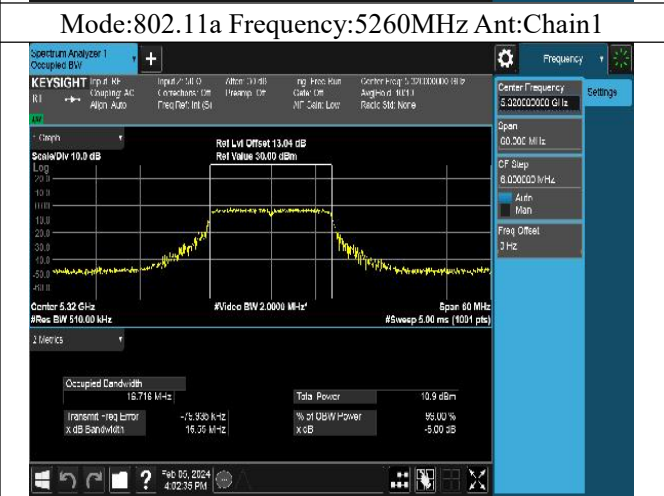
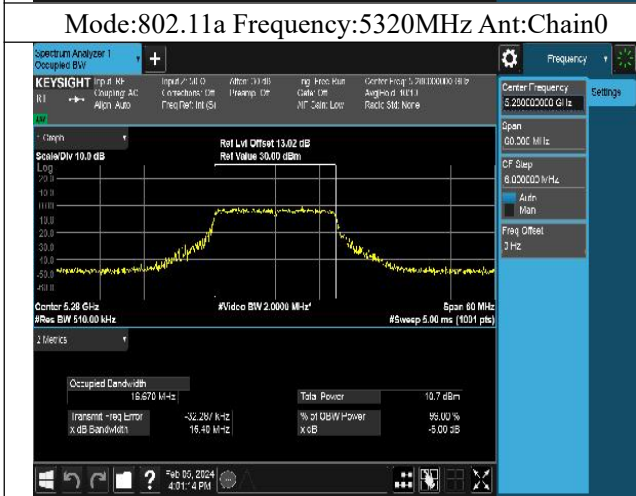
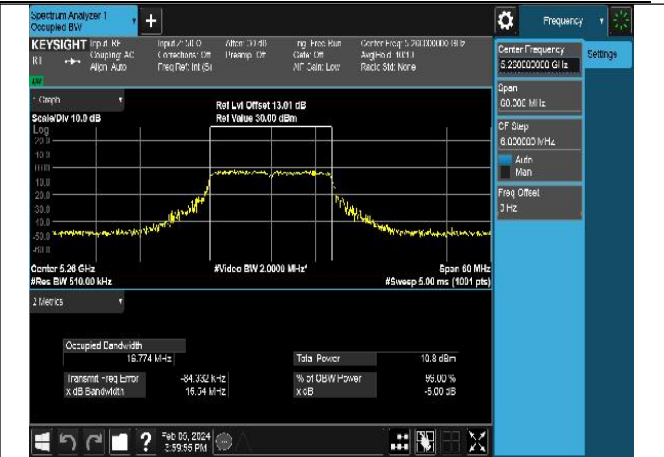
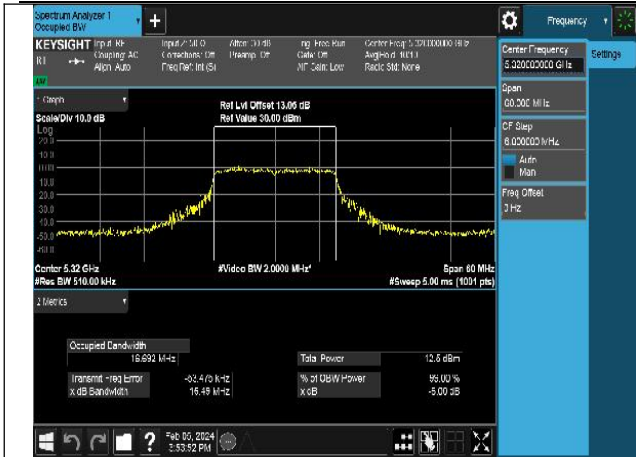
| Test Mode | Antenna | Occupied Bandwidth (MHz) | | |
|----------------|---------|--------------------------|---------|---------|
| | | 5260MHz | 5280MHz | 5320MHz |
| 802.11a | Chain0 | 16.678 | 16.726 | 16.692 |
| 802.11a | Chain1 | 16.774 | 16.670 | 16.716 |
| 802.11n HT20 | Chain0 | 16.626 | 16.796 | 17.936 |
| 802.11n HT20 | Chain1 | 18.033 | 17.925 | 17.860 |
| 802.11ac VHT20 | Chain0 | 16.646 | 16.700 | 16.761 |
| 802.11ac VHT20 | Chain1 | 16.665 | 16.742 | 16.638 |
| 802.11ax HE20 | Chain0 | 16.803 | 16.745 | 16.735 |
| 802.11ax HE20 | Chain1 | 16.717 | 16.767 | 16.802 |

| Test Mode | Antenna | Occupied Bandwidth (MHz) | | |
|----------------|---------|--------------------------|-----|---------|
| | | 5270MHz | --- | 5310MHz |
| 802.11n HT40 | Chain0 | 36.597 | --- | 36.720 |
| 802.11n HT40 | Chain1 | 36.789 | --- | 36.746 |
| 802.11ac VHT40 | Chain0 | 36.539 | --- | 36.629 |
| 802.11ac VHT40 | Chain1 | 36.750 | --- | 36.741 |
| 802.11ax HE40 | Chain0 | 38.035 | --- | 38.227 |
| 802.11ax HE40 | Chain1 | 38.264 | --- | 38.211 |

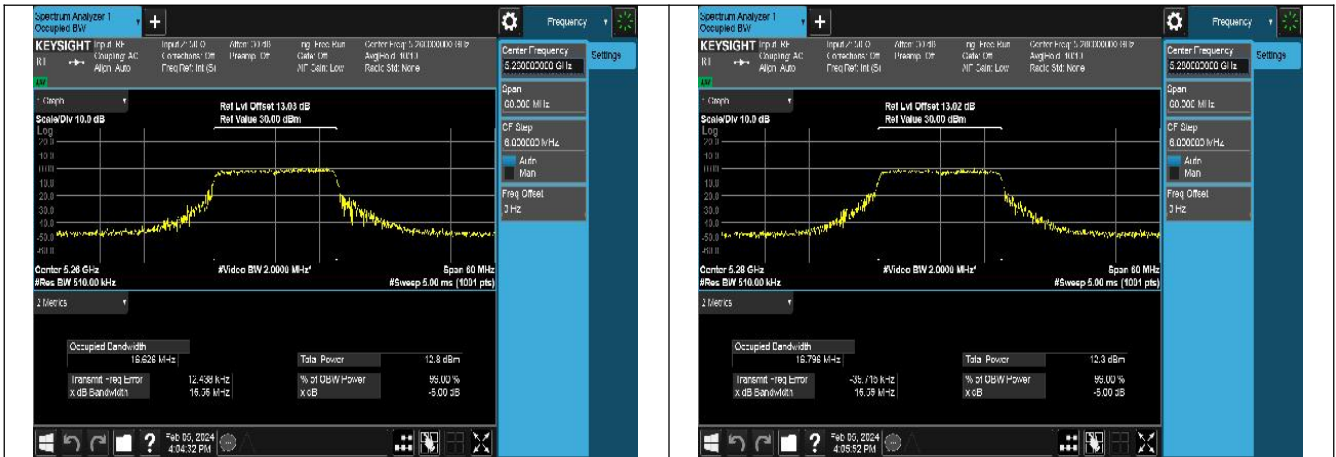
| Test Mode | Antenna | Occupied Bandwidth (MHz) | | |
|----------------|---------|--------------------------|-----|-----|
| | | 5290MHz | --- | --- |
| 802.11ac VHT80 | Chain0 | 73.475 | --- | --- |
| 802.11ac VHT80 | Chain1 | 74.229 | --- | --- |
| 802.11ax HE80 | Chain0 | 77.402 | --- | --- |
| 802.11ax HE80 | Chain1 | 78.042 | --- | --- |

Test Mode: 802.11a





Test Mode: 802.11n HT20



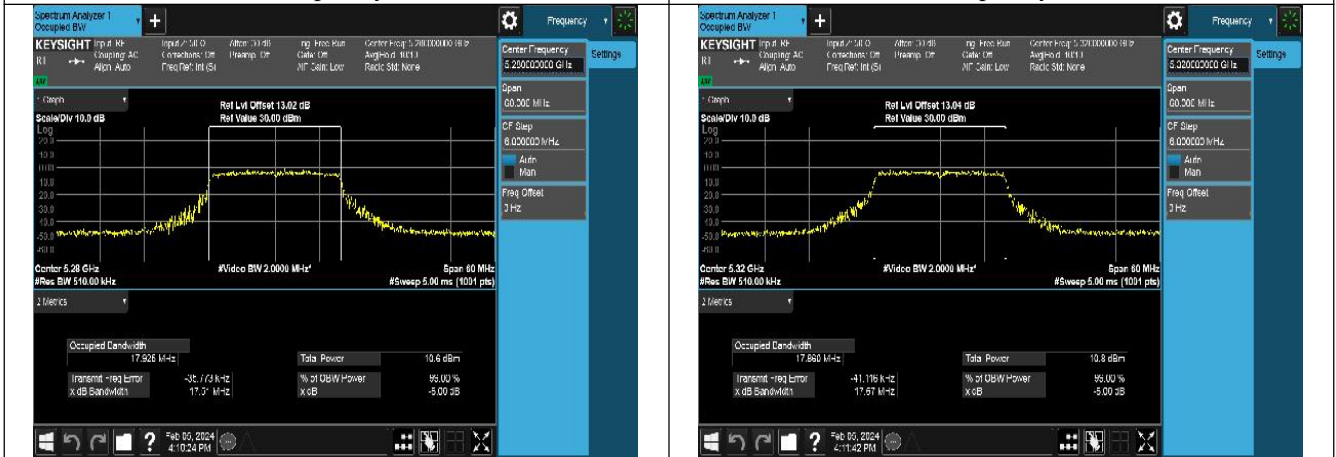
Mode:802.11n HT20 Frequency:5260MHz Ant:Chain0

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



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

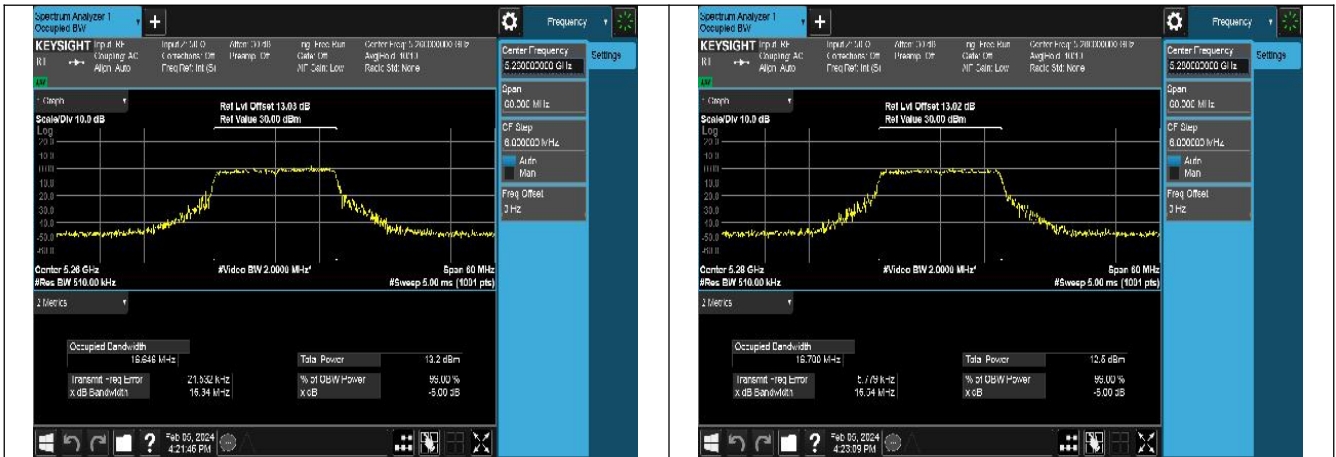
Mode:802.11n HT20 Frequency:5260MHz Ant:Chain1



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

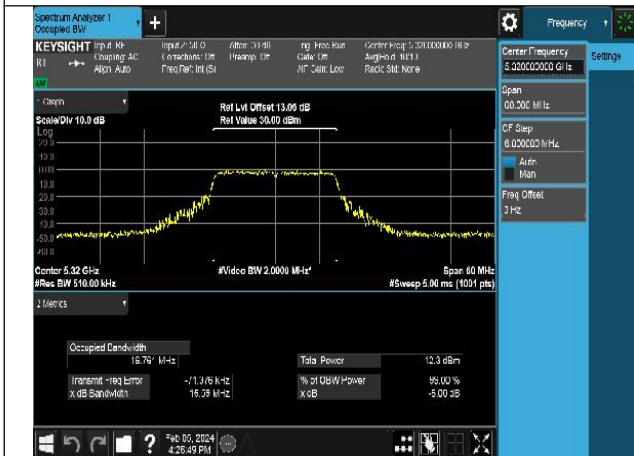
Mode:802.11n HT20 Frequency:5320MHz Ant:Chain1

Test Mode: 802.11ac VHT20

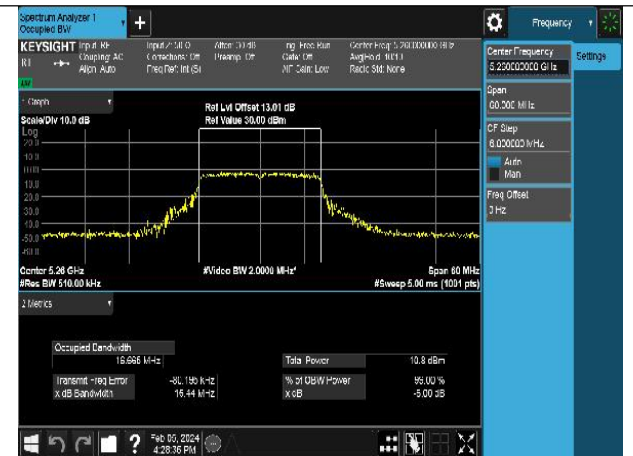


Mode:802.11ac VHT20 Frequency:5260MHz
Ant:Chain0

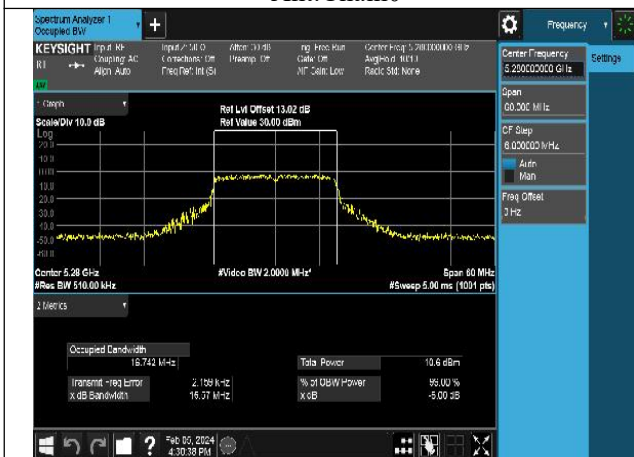
Mode:802.11ac VHT20 Frequency:5280MHz
Ant:Chain0



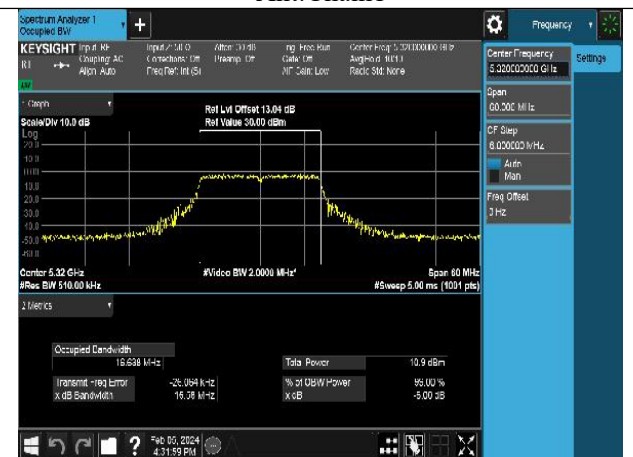
Mode:802.11ac VHT20 Frequency:5320MHz
Ant:Chain0



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

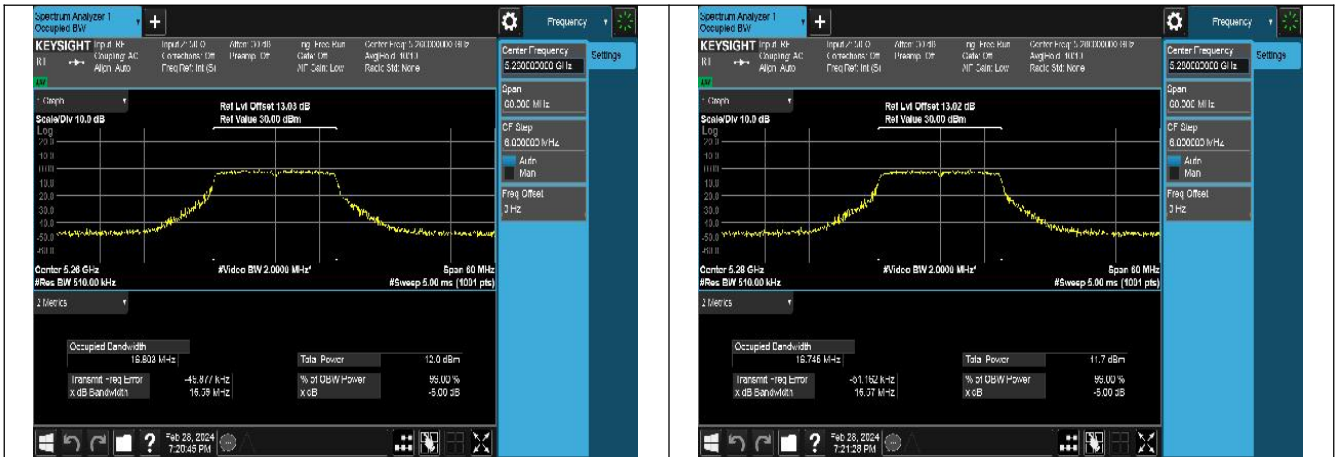


Mode:802.11ac VHT20 Frequency:5280MHz
Ant:Chain1



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

Test Mode: 802.11ax HE20



Mode:802.11ax HE20 Frequency:5260MHz Ant:Chain0

Mode:802.11ax HE20 Frequency:5280MHz Ant:Chain0



Mode:802.11ax HE20 Frequency:5320MHz Ant:Chain0

Mode:802.11ax HE20 Frequency:5260MHz Ant:Chain1



Mode:802.11ax HE20 Frequency:5280MHz Ant:Chain1

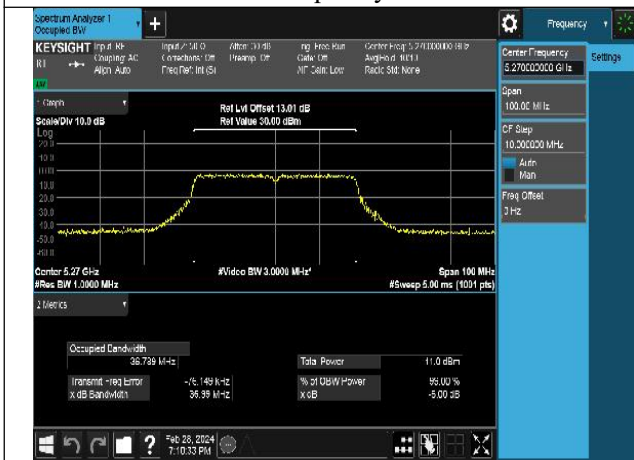
Mode:802.11ax HE20 Frequency:5320MHz Ant:Chain1

Test Mode: 802.11n HT40



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

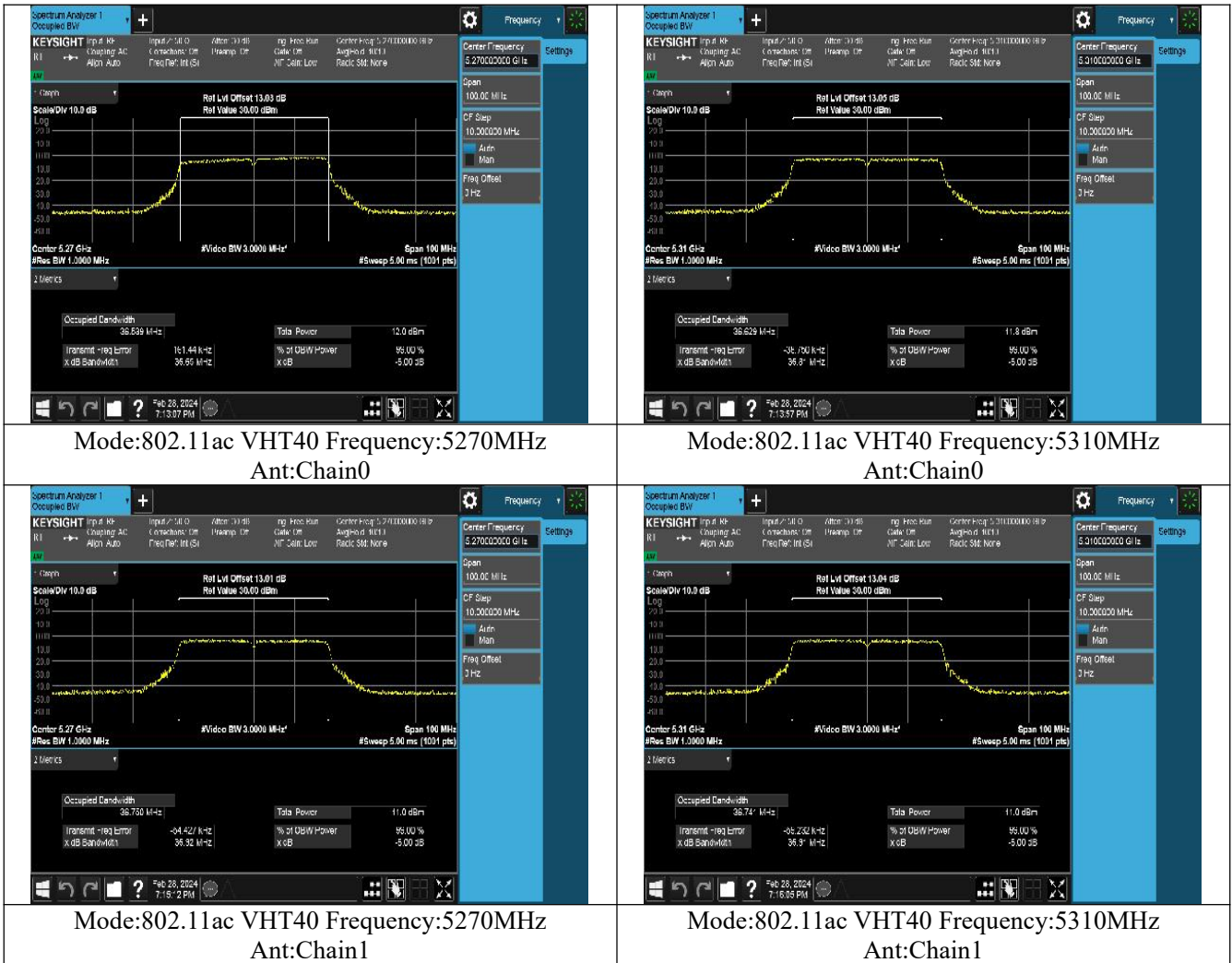
Mode:802.11n HT40 Frequency:5310MHz Ant:Chain0



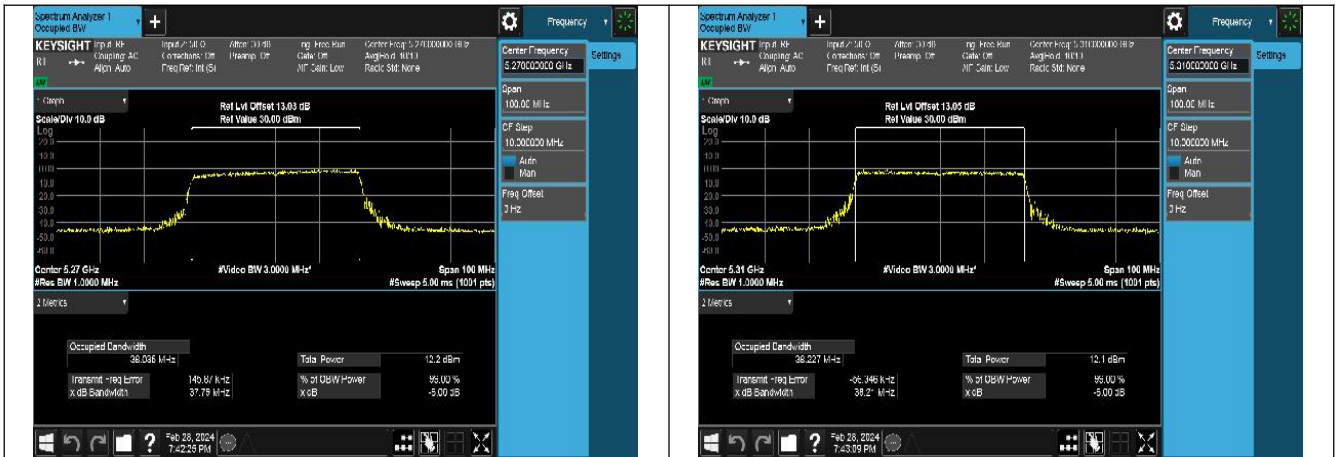
Mode:802.11n HT40 Frequency:5270MHz Ant:Chain1

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

Test Mode: 802.11ac VHT40



Test Mode: 802.11ax HE40



Mode:802.11ax HE40 Frequency:5270MHz Ant:Chain0

Mode:802.11ax HE40 Frequency:5310MHz Ant:Chain0



Mode:802.11ax HE40 Frequency:5270MHz Ant:Chain1

Mode:802.11ax HE40 Frequency:5310MHz Ant:Chain1

Test Mode: 802.11ac VHT80

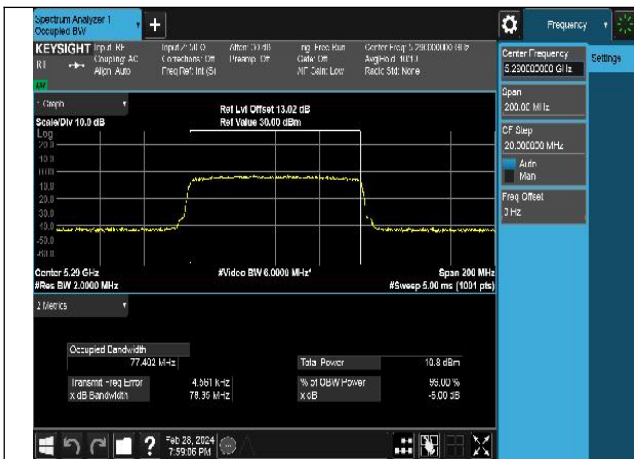


Mode:802.11ac VHT80 Frequency:5290MHz
Ant:Chain0



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

Test Mode: 802.11ax HE80



Mode:802.11ax HE80 Frequency:5290MHz Ant:Chain0



Mode:802.11ax HE80 Frequency:5290MHz Ant:Chain1

Transmitter Power Spectral Density

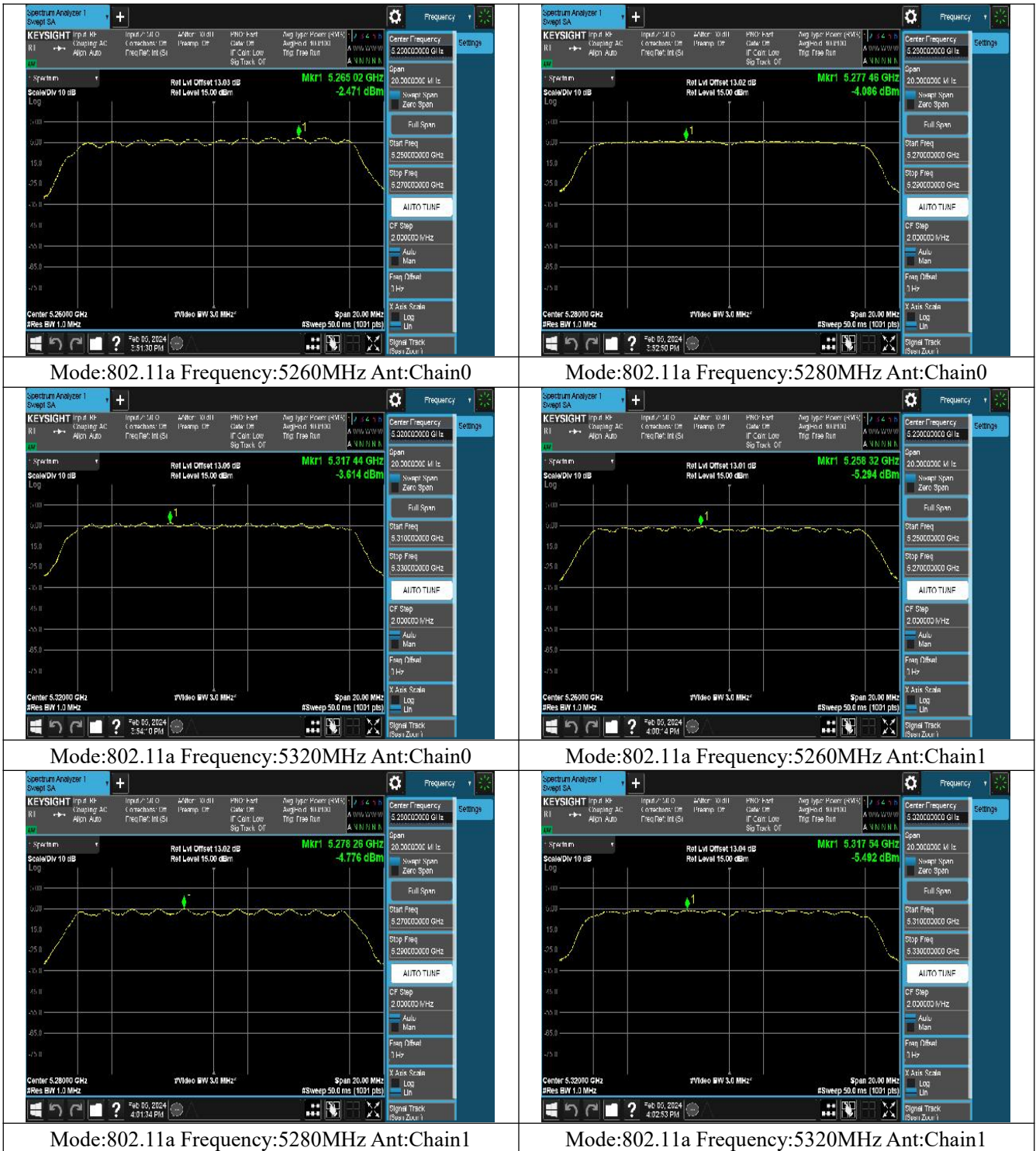
Offset 0dB = Attenuator + Temporary antenna connector loss + Cable loss

| 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 | -2.471 | 0.00 | -4.086 | 0.00 | -3.614 |
| 802.11a | Chain1 | NA | 0.00 | -5.294 | 0.00 | -4.776 | 0.00 | -5.492 |
| 802.11n HT20 | Chain0 | NA | 0.00 | -2.143 | 0.00 | -3.604 | 0.00 | -4.605 |
| 802.11n HT20 | Chain1 | NA | 0.00 | -6.420 | 0.00 | -6.475 | 0.00 | -5.847 |
| 802.11n HT20 | MIMO | NA | 0.00 | -0.765 | 0.00 | -1.796 | 0.00 | -2.171 |
| 802.11ac VHT20 | Chain0 | NA | 0.00 | -1.583 | 0.00 | -3.397 | 0.00 | -3.667 |
| 802.11ac VHT20 | Chain1 | NA | 0.00 | -5.593 | 0.00 | -5.515 | 0.00 | -5.113 |
| 802.11ac VHT20 | MIMO | NA | 0.00 | -0.130 | 0.00 | -1.318 | 0.00 | -1.320 |
| 802.11ax HE20 | Chain0 | 26T | 0.00 | 5.757 | 0.00 | 6.387 | 0.00 | 5.904 |
| 802.11ax HE20 | Chain1 | 26T | 0.00 | 5.645 | 0.00 | 4.514 | 0.00 | 4.663 |
| 802.11ax HE20 | MIMO | 26T | 0.00 | 8.712 | 0.00 | 8.561 | 0.00 | 8.338 |
| 802.11ax HE20 | Chain0 | 52T | 0.00 | 3.333 | 0.00 | 4.720 | 0.00 | 4.104 |
| 802.11ax HE20 | Chain1 | 52T | 0.00 | 2.753 | 0.00 | 3.045 | 0.00 | 2.753 |
| 802.11ax HE20 | MIMO | 52T | 0.00 | 6.063 | 0.00 | 6.973 | 0.00 | 6.491 |
| 802.11ax HE20 | Chain0 | 106T | 0.00 | -0.487 | 0.00 | -0.392 | 0.00 | -0.545 |
| 802.11ax HE20 | Chain1 | 106T | 0.00 | -1.359 | 0.00 | -1.442 | 0.00 | -1.369 |
| 802.11ax HE20 | MIMO | 106T | 0.00 | 2.109 | 0.00 | 2.125 | 0.00 | 2.073 |
| 802.11ax HE20 | Chain0 | 242T | 0.00 | -4.136 | 0.00 | -5.382 | 0.00 | -48.296 |
| 802.11ax HE20 | Chain1 | 242T | 0.00 | -3.280 | 0.00 | -6.346 | 0.00 | -6.087 |
| 802.11ax HE20 | MIMO | 242T | 0.00 | -0.677 | 0.00 | -2.827 | 0.00 | -6.087 |

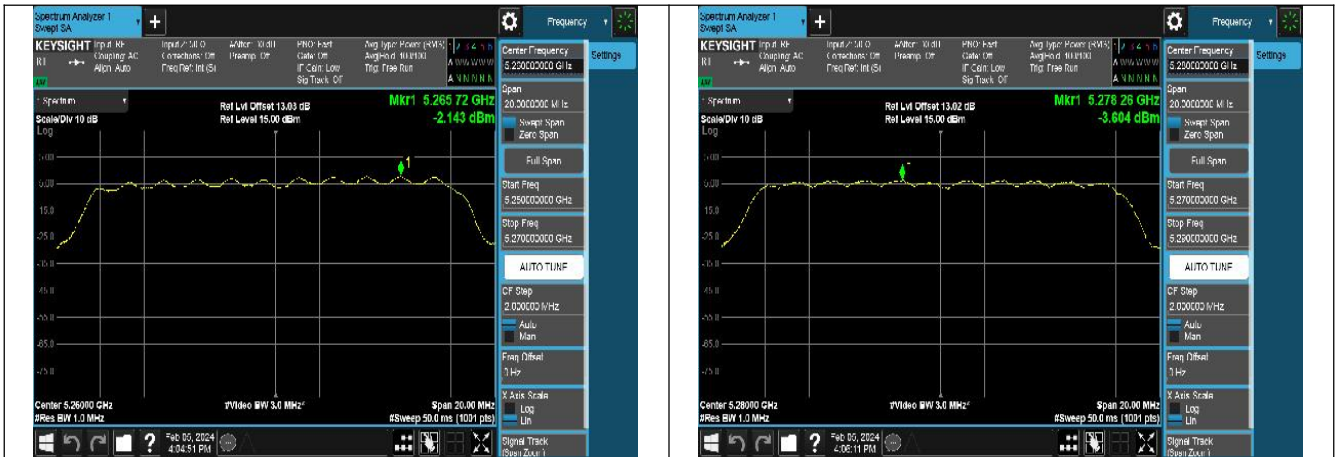
| Test Mode | Antenna | Tones | 5270MHz | | --- | | 5310MHz | |
|----------------|---------|-------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|
| | | | Correction Factor(dB) | Power Density (dBm/MHz) | Correction Factor(dB) | Power Density (dBm/MHz) | Correction Factor(dB) | Power Density (dBm/MHz) |
| 802.11n HT40 | Chain0 | NA | 0.00 | -7.544 | --- | --- | 0.00 | -8.498 |
| 802.11n HT40 | Chain1 | NA | 0.00 | -10.690 | --- | --- | 0.00 | -10.391 |
| 802.11n HT40 | MIMO | NA | 0.00 | -5.828 | --- | --- | 0.00 | -6.332 |
| 802.11ac VHT40 | Chain0 | NA | 0.00 | -6.913 | --- | --- | 0.00 | -8.787 |
| 802.11ac VHT40 | Chain1 | NA | 0.00 | -9.722 | --- | --- | 0.00 | -10.649 |
| 802.11ac VHT40 | MIMO | NA | 0.00 | -5.084 | --- | --- | 0.00 | -6.609 |
| 802.11ax HE40 | Chain0 | 26T | 0.00 | 4.294 | --- | --- | 0.00 | 6.839 |
| 802.11ax HE40 | Chain1 | 26T | 0.00 | 5.804 | --- | --- | 0.00 | 6.336 |
| 802.11ax HE40 | MIMO | 26T | 0.00 | 8.125 | --- | --- | 0.00 | 9.605 |
| 802.11ax HE40 | Chain0 | 52T | 0.00 | -48.219 | --- | --- | 0.00 | 4.679 |
| 802.11ax HE40 | Chain1 | 52T | 0.00 | 4.172 | --- | --- | 0.00 | 4.001 |
| 802.11ax HE40 | MIMO | 52T | 0.00 | 4.172 | --- | --- | 0.00 | 7.364 |
| 802.11ax HE40 | Chain0 | 106T | 0.00 | -1.549 | --- | --- | 0.00 | -0.035 |
| 802.11ax HE40 | Chain1 | 106T | 0.00 | -0.973 | --- | --- | 0.00 | -0.821 |
| 802.11ax HE40 | MIMO | 106T | 0.00 | 1.759 | --- | --- | 0.00 | 2.600 |
| 802.11ax HE40 | Chain0 | 242T | 0.00 | -5.389 | --- | --- | 0.00 | -5.042 |
| 802.11ax HE40 | Chain1 | 242T | 0.00 | -6.186 | --- | --- | 0.00 | -6.223 |
| 802.11ax HE40 | MIMO | 242T | 0.00 | -2.759 | --- | --- | 0.00 | -2.582 |
| 802.11ax HE40 | Chain0 | 484T | 0.00 | -6.600 | --- | --- | 0.00 | -7.366 |
| 802.11ax HE40 | Chain1 | 484T | 0.00 | -10.043 | --- | --- | 0.00 | -10.822 |
| 802.11ax HE40 | MIMO | 484T | 0.00 | -4.979 | --- | --- | 0.00 | -5.749 |

| 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 | -14.513 | --- | --- | --- | --- |
| 802.11ac VHT80 | Chain1 | NA | 0.09 | -15.873 | --- | --- | --- | --- |
| 802.11ac VHT80 | MIMO | NA | 0.09 | -12.130 | --- | --- | --- | --- |
| 802.11ax HE80 | Chain0 | 26T | 0.09 | 5.147 | --- | --- | --- | --- |
| 802.11ax HE80 | Chain1 | 26T | 0.09 | 6.312 | --- | --- | --- | --- |
| 802.11ax HE80 | MIMO | 26T | 0.09 | 8.779 | --- | --- | --- | --- |
| 802.11ax HE80 | Chain0 | 52T | 0.09 | 1.263 | --- | --- | --- | --- |
| 802.11ax HE80 | Chain1 | 52T | 0.09 | 3.706 | --- | --- | --- | --- |
| 802.11ax HE80 | MIMO | 52T | 0.09 | 5.664 | --- | --- | --- | --- |
| 802.11ax HE80 | Chain0 | 106T | 0.09 | -1.270 | --- | --- | --- | --- |
| 802.11ax HE80 | Chain1 | 106T | 0.09 | -0.591 | --- | --- | --- | --- |
| 802.11ax HE80 | MIMO | 106T | 0.09 | 2.093 | --- | --- | --- | --- |
| 802.11ax HE80 | Chain0 | 242T | 0.09 | -5.933 | --- | --- | --- | --- |
| 802.11ax HE80 | Chain1 | 242T | 0.09 | -5.990 | --- | --- | --- | --- |
| 802.11ax HE80 | MIMO | 242T | 0.09 | -2.951 | --- | --- | --- | --- |
| 802.11ax HE80 | Chain0 | 484T | 0.09 | -10.026 | --- | --- | --- | --- |
| 802.11ax HE80 | Chain1 | 484T | 0.09 | -10.650 | --- | --- | --- | --- |
| 802.11ax HE80 | MIMO | 484T | 0.09 | -7.317 | --- | --- | --- | --- |
| 802.11ax HE80 | Chain0 | 996T | 0.09 | -13.238 | --- | --- | --- | --- |
| 802.11ax HE80 | Chain1 | 996T | 0.09 | -14.622 | --- | --- | --- | --- |
| 802.11ax HE80 | MIMO | 996T | 0.09 | -10.865 | --- | --- | --- | --- |

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: 802.11ax HE20



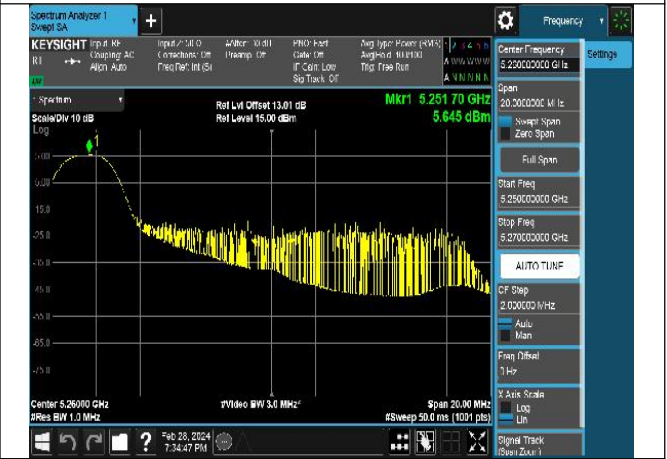
Mode:802.11ax HE20 Tone:26T Frequency:5260MHz
Ant:Chain0



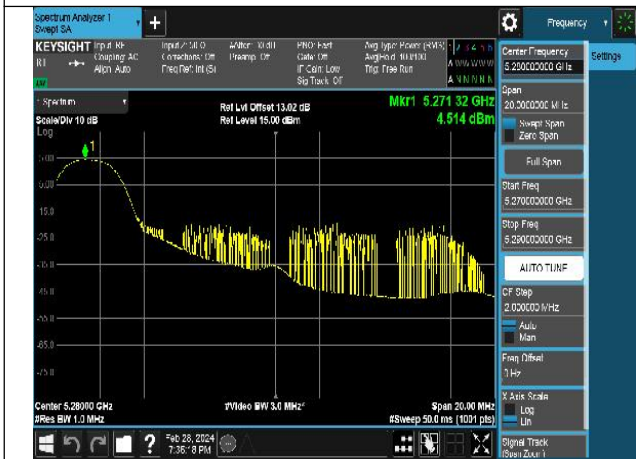
Mode:802.11ax HE20 Tone:26T Frequency:5280MHz
Ant:Chain0



Mode:802.11ax HE20 Tone:26T Frequency:5320MHz
Ant:Chain0



Mode:802.11ax HE20 Tone:26T Frequency:5260MHz
Ant:Chain1



Mode:802.11ax HE20 Tone:26T Frequency:5280MHz
Ant:Chain1



Mode:802.11ax HE20 Tone:26T Frequency:5320MHz
Ant:Chain1