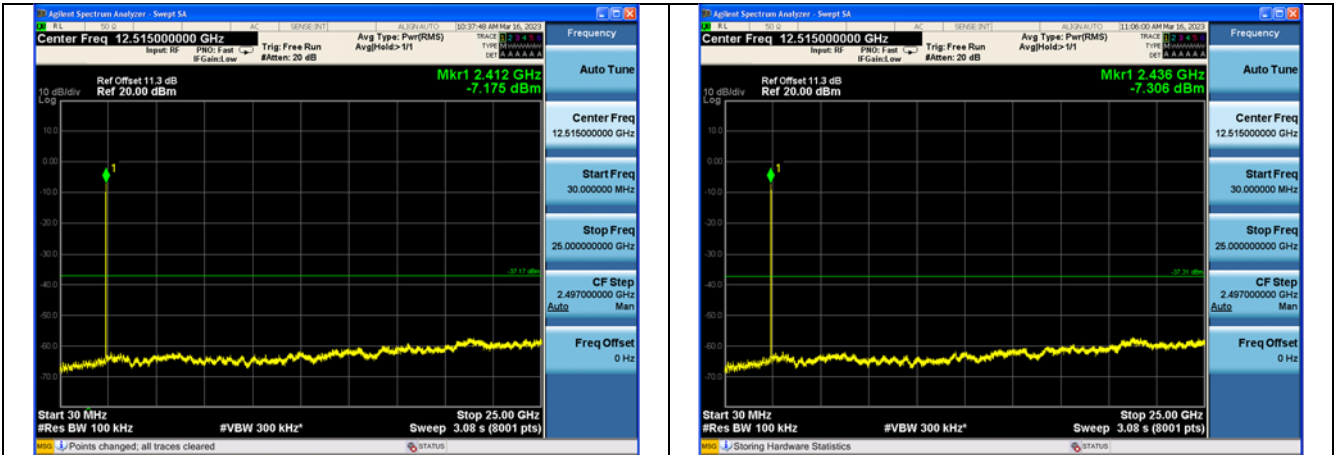


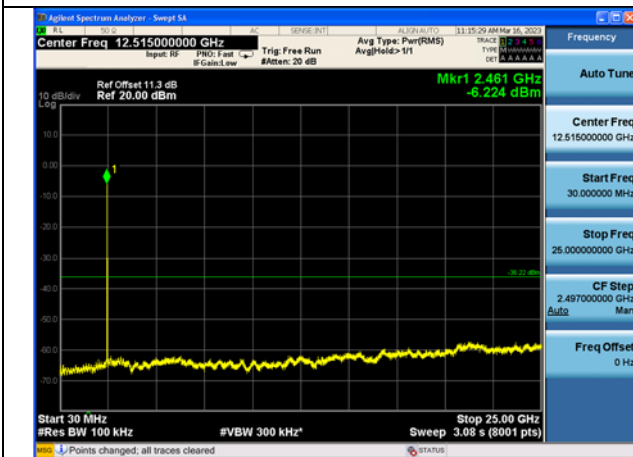
Conducted Out of band emission measurement

Test Mode: 802.11b

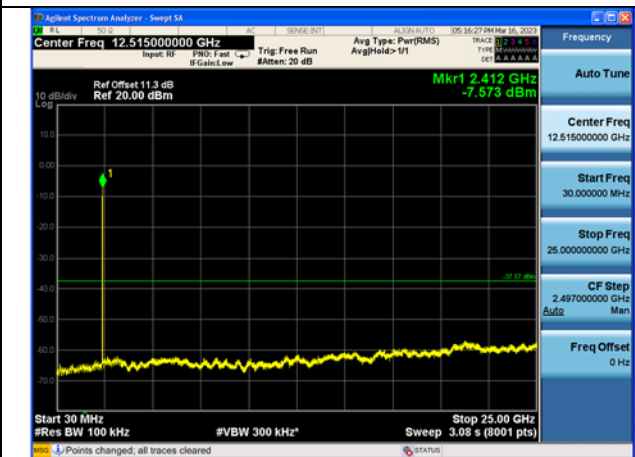


Test Mode:802.11b 2412MHz Chain0

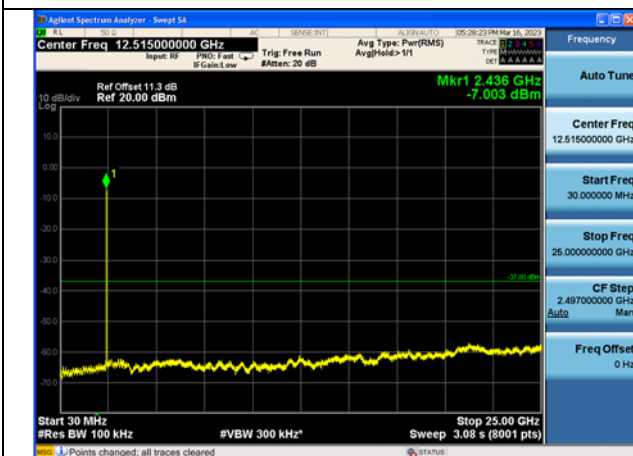
Test Mode:802.11b 2437MHz Chain0



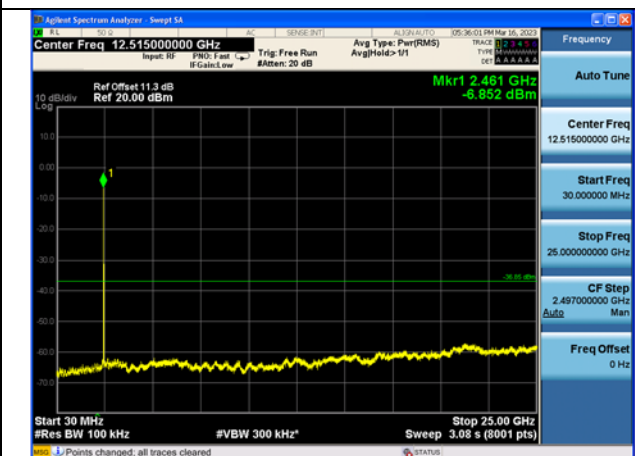
Test Mode:802.11b 2462MHz Chain0



Test Mode:802.11b 2412MHz Chain1

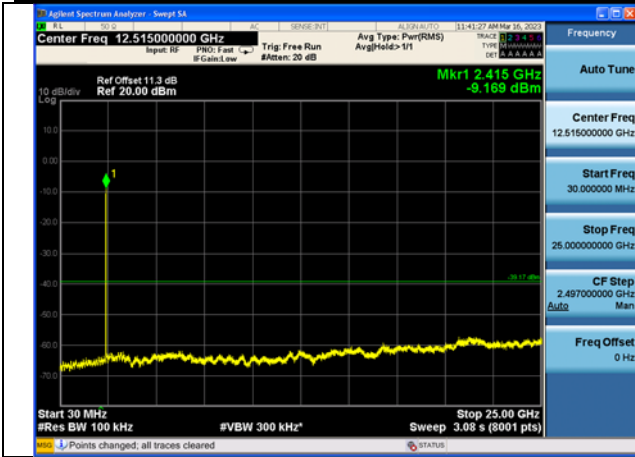


Test Mode:802.11b 2437MHz Chain1

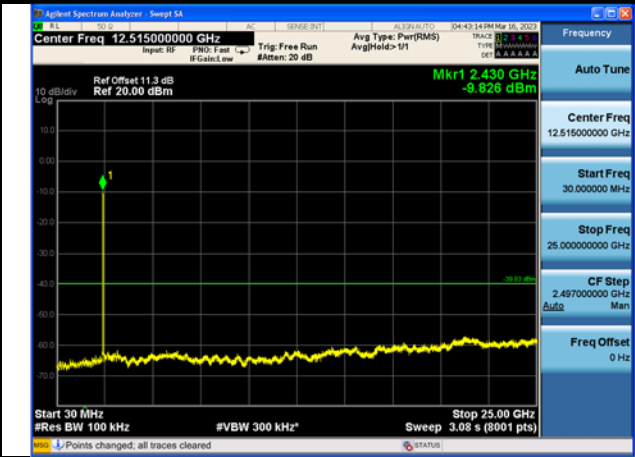


Test Mode:802.11b 2462MHz Chain1

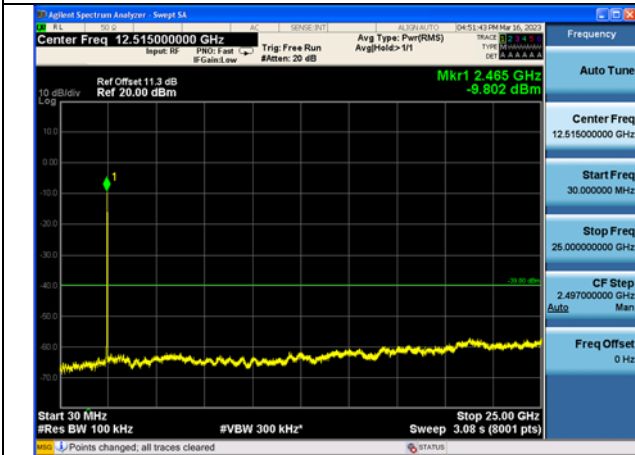
Test Mode: 802.11g



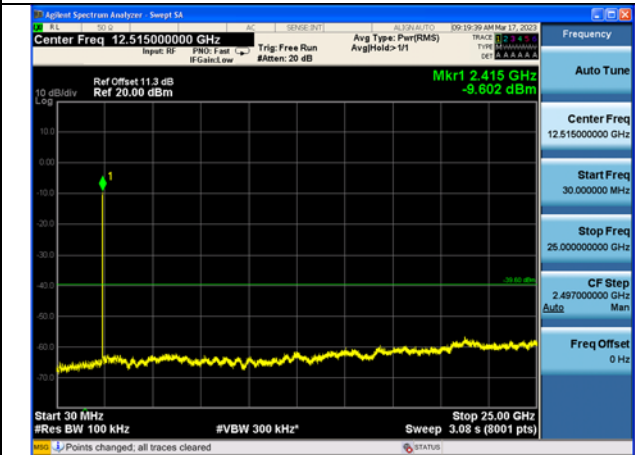
Test Mode:802.11g 2412MHz Chain0



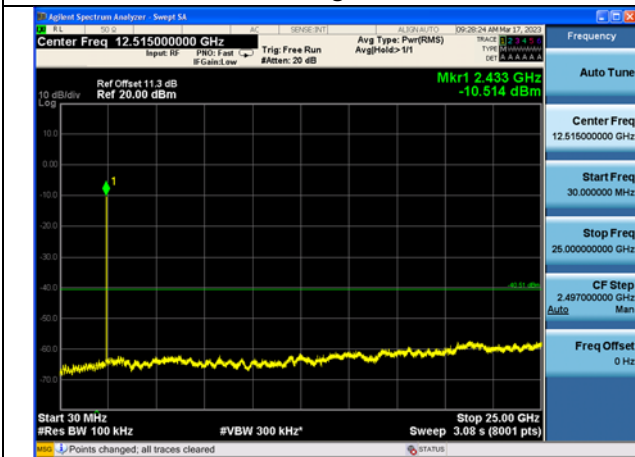
Test Mode:802.11g 2437MHz Chain0



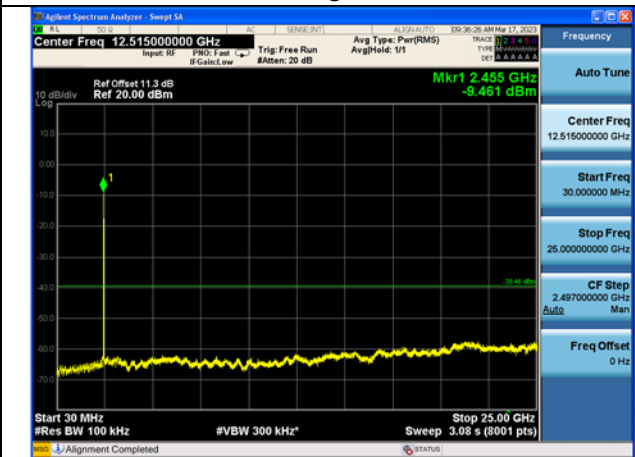
Test Mode:802.11g 2462MHz Chain0



Test Mode:802.11g 2412MHz Chain1

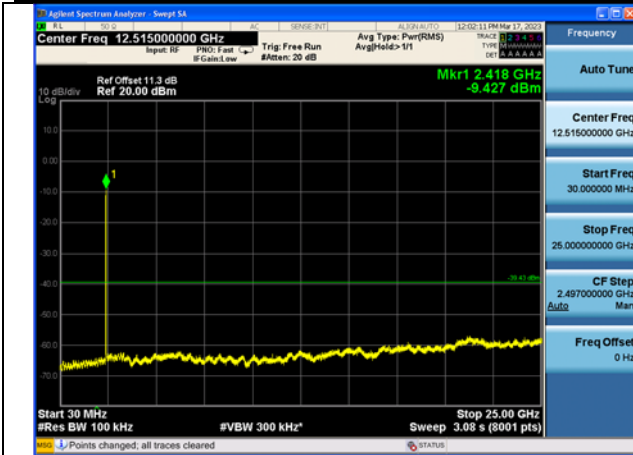


Test Mode:802.11g 2437MHz Chain1

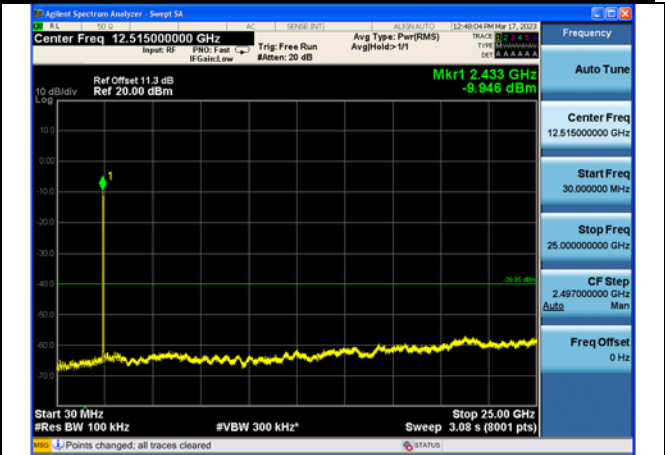


Test Mode:802.11g 2462MHz Chain1

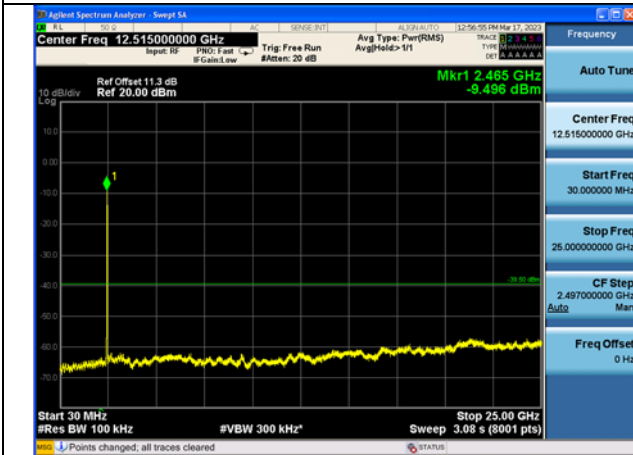
Test Mode: 802.11n HT20



Test Mode:802.11n HT20 2412MHz Chain0



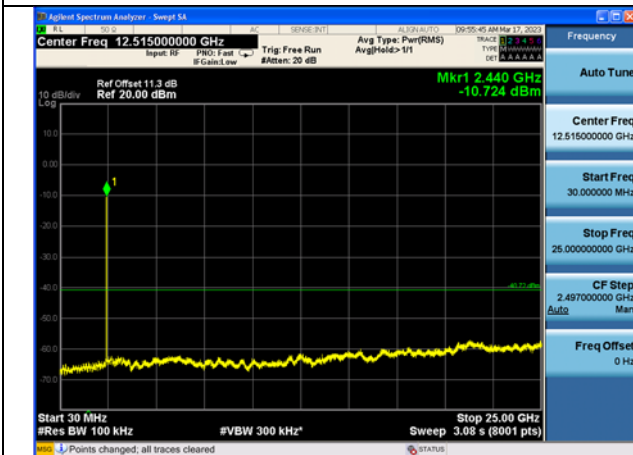
Test Mode:802.11n HT20 2437MHz Chain0



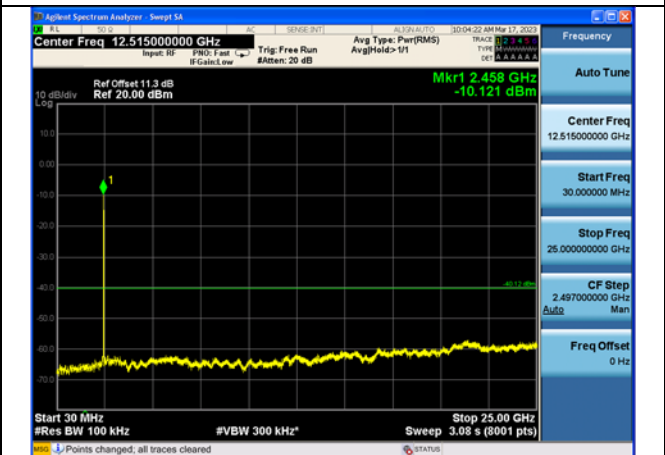
Test Mode:802.11n HT20 2462MHz Chain0



Test Mode:802.11n HT20 2412MHz Chain1

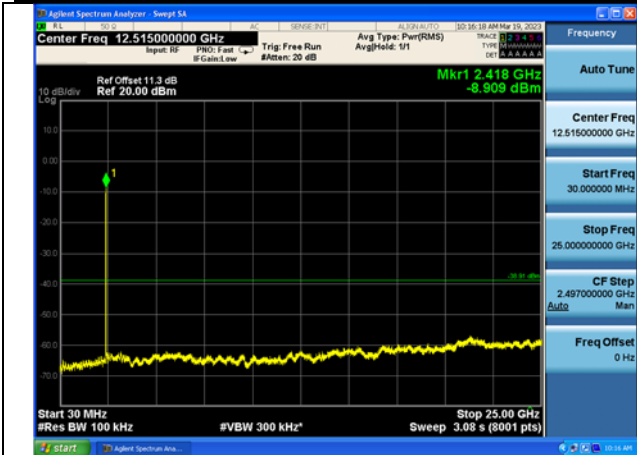


Test Mode:802.11n HT20 2437MHz Chain1

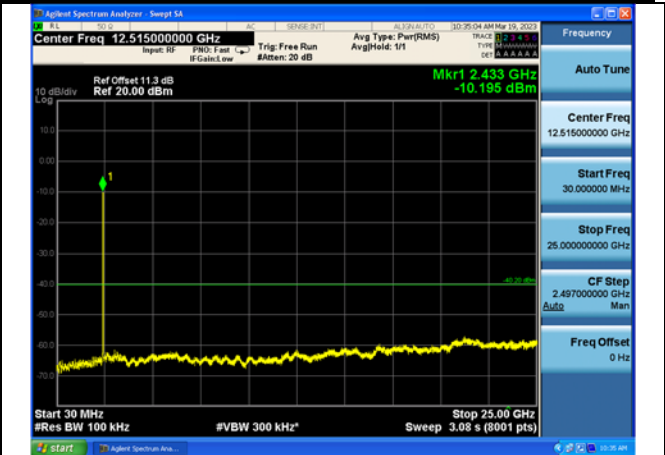


Test Mode:802.11n HT20 2462MHz Chain1

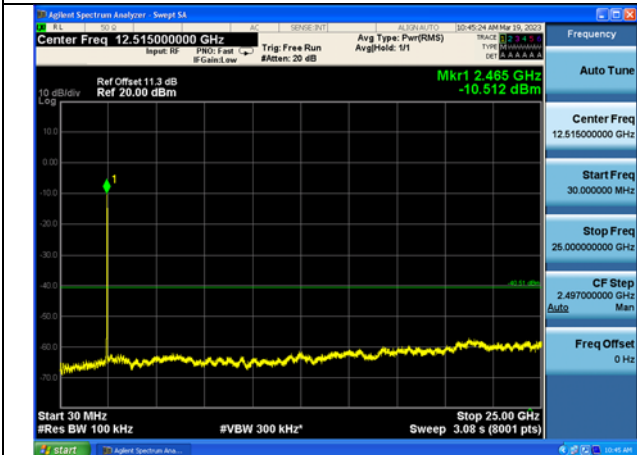
Test Mode: 802.11ax HE20



Test Mode:802.11ax HE20 2412MHz Chain0



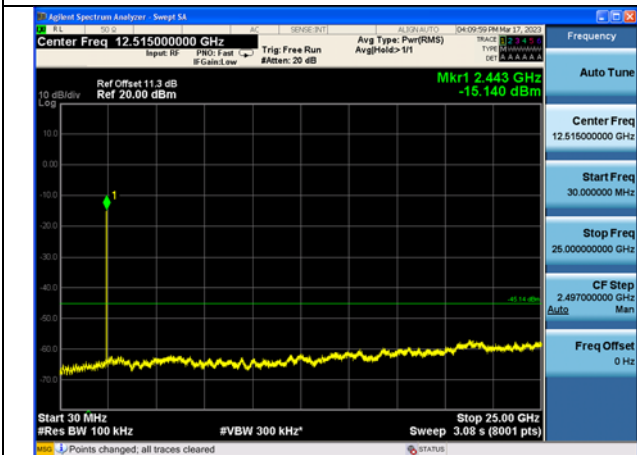
Test Mode:802.11ax HE20 2437MHz Chain0



Test Mode:802.11ax HE20 2462MHz Chain0



Test Mode:802.11ax HE20 2412MHz Chain1

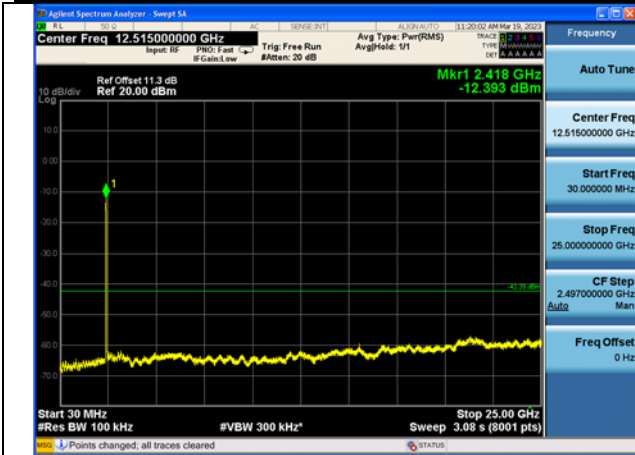


Test Mode:802.11ax HE20 2437MHz Chain1



Test Mode:802.11ax HE20 2462MHz Chain1

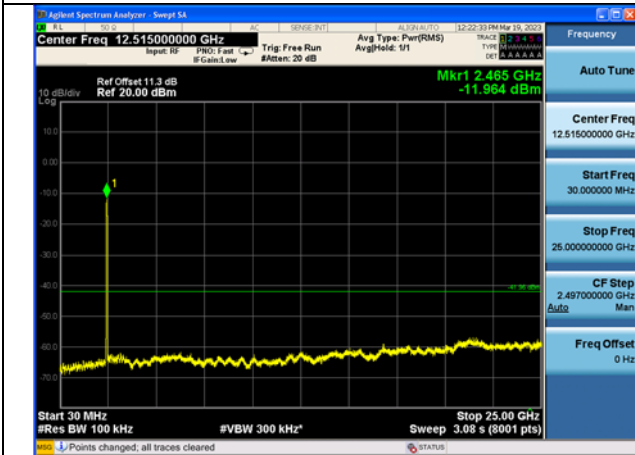
Test Mode: 802.11ax HE40



Test Mode:802.11ax HE40 2422MHz Chain0



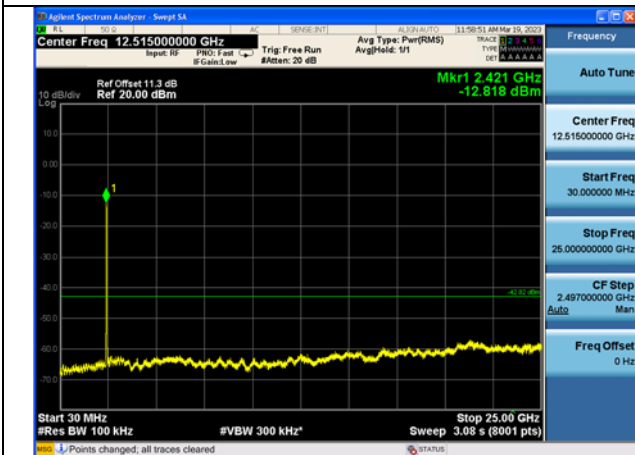
Test Mode:802.11ax HE40 2437MHz Chain0



Test Mode:802.11ax HE40 2452MHz Chain0



Test Mode:802.11ax HE40 2422MHz Chain1

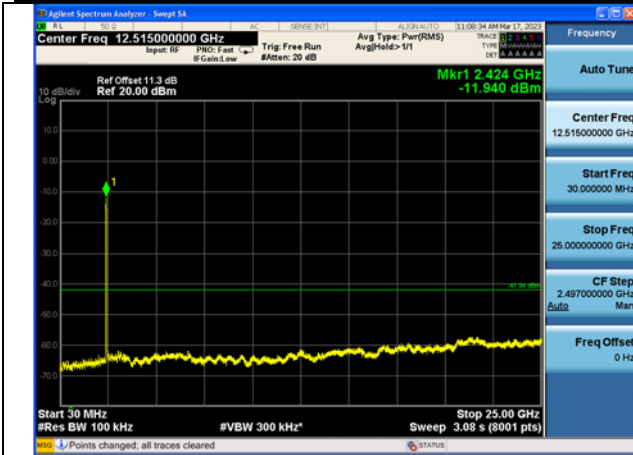


Test Mode:802.11ax HE40 2437MHz Chain1

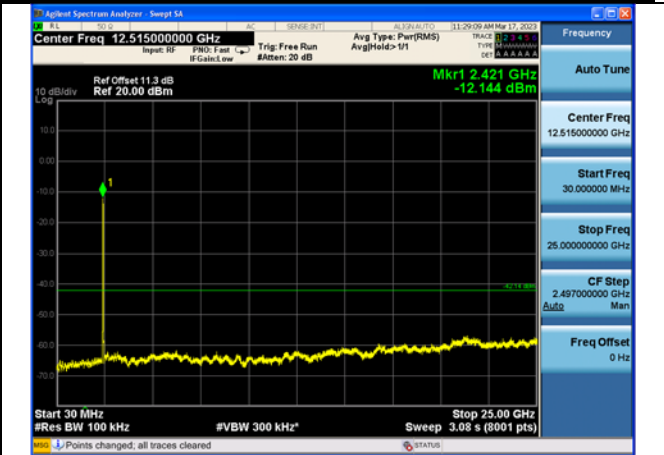


Test Mode:802.11ax HE40 2452MHz Chain1

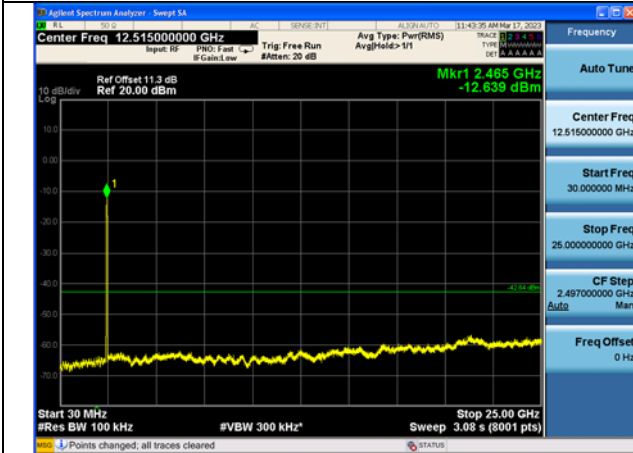
Test Mode: 802.11n HT40



Test Mode:802.11n HT40 2422MHz Chain0



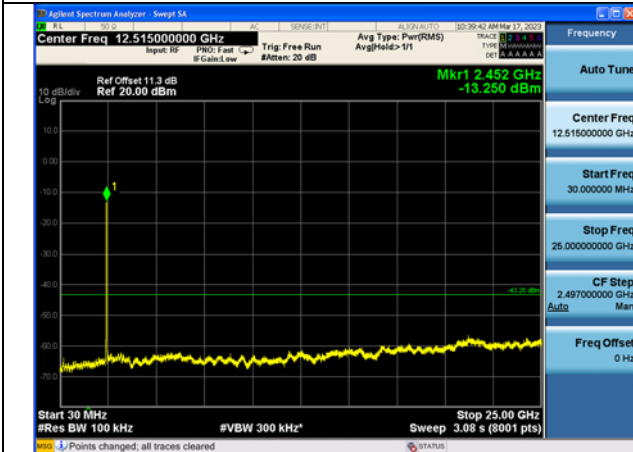
Test Mode:802.11n HT40 2437MHz Chain0



Test Mode:802.11n HT40 2452MHz Chain0



Test Mode:802.11n HT40 2422MHz Chain1



Test Mode:802.11n HT40 2437MHz Chain1



Test Mode:802.11n HT40 2452MHz Chain1

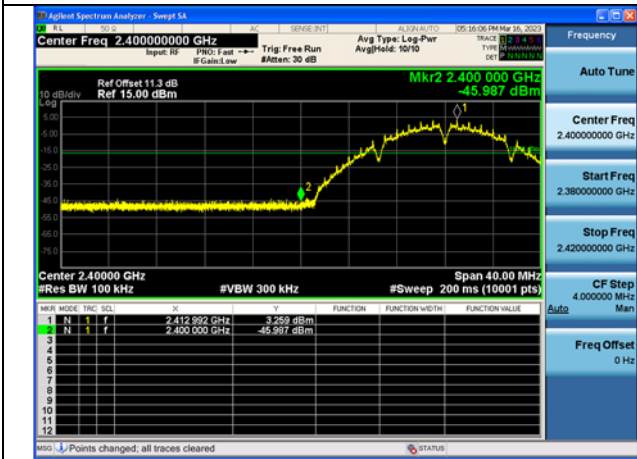
Band edge measurement

Test Mode: 802.11b

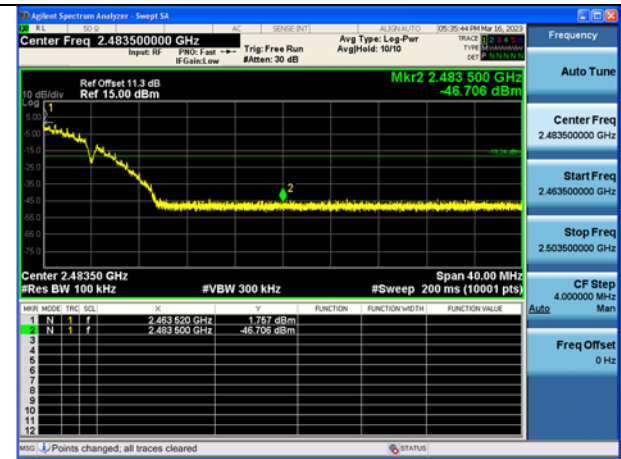


Test Mode:802.11b 2412MHz Chain0

Test Mode:802.11b 2462MHz Chain0

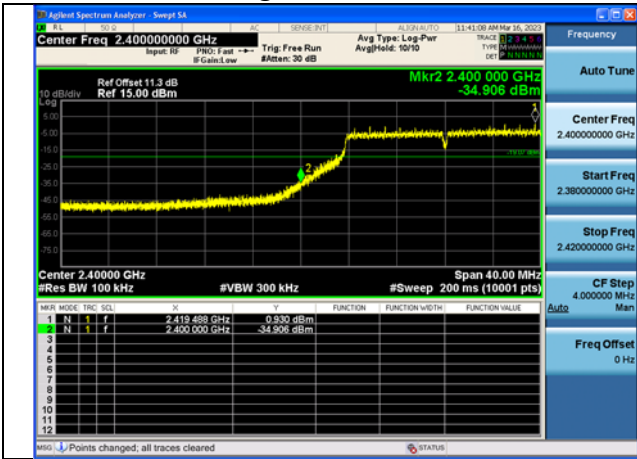


Test Mode:802.11b 2412MHz Chain1

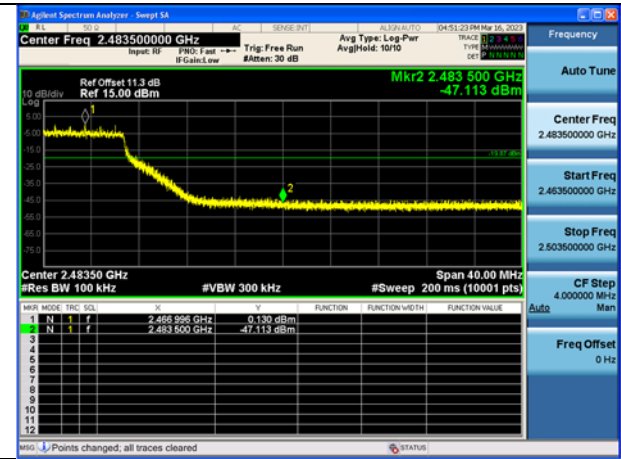


Test Mode:802.11b 2462MHz Chain1

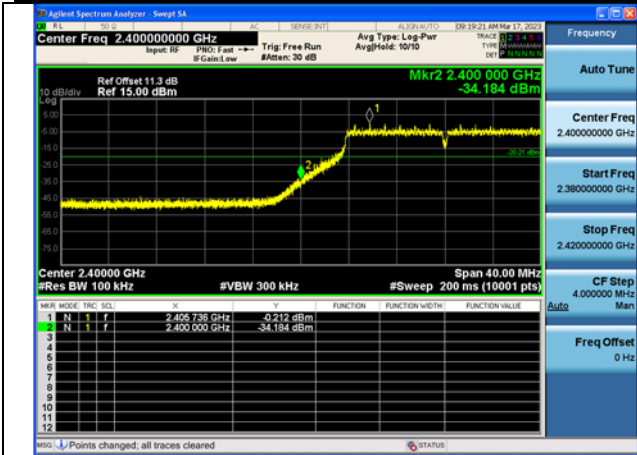
Test Mode: 802.11g



Test Mode:802.11g 2412MHz Chain0



Test Mode:802.11g 2462MHz Chain0

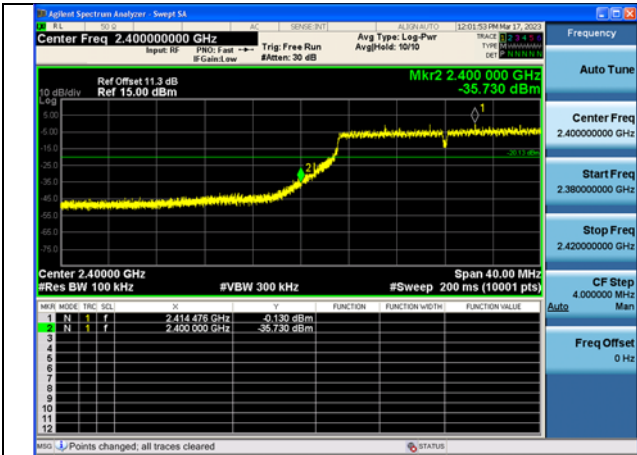


Test Mode:802.11g 2412MHz Chain1

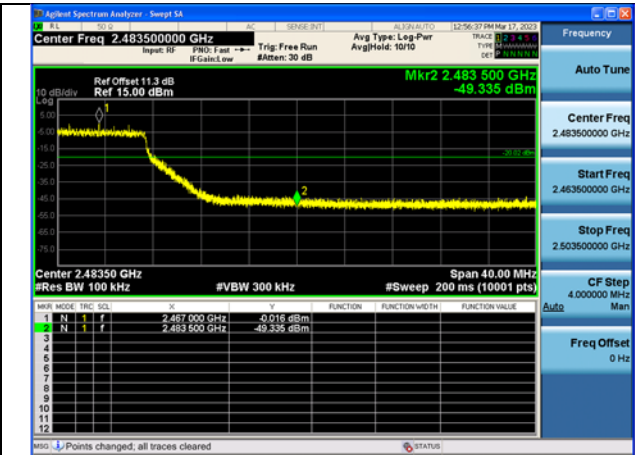


Test Mode:802.11g 2462MHz Chain1

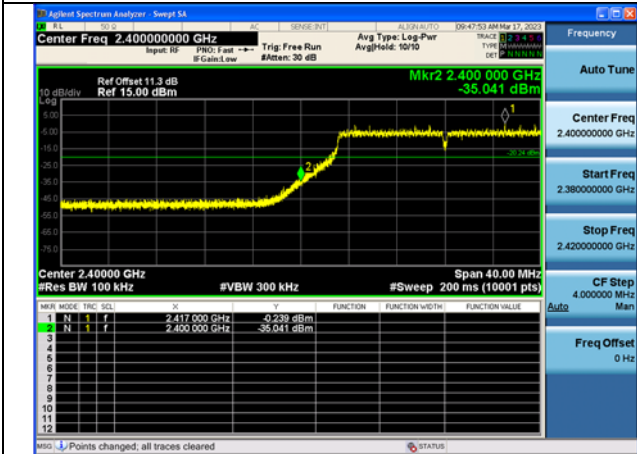
Test Mode: 802.11n HT20



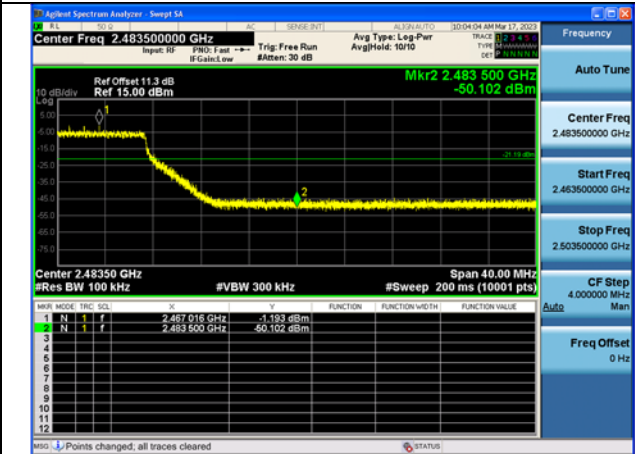
Test Mode:802.11n HT20 2412MHz Chain0



Test Mode:802.11n HT20 2462MHz Chain0

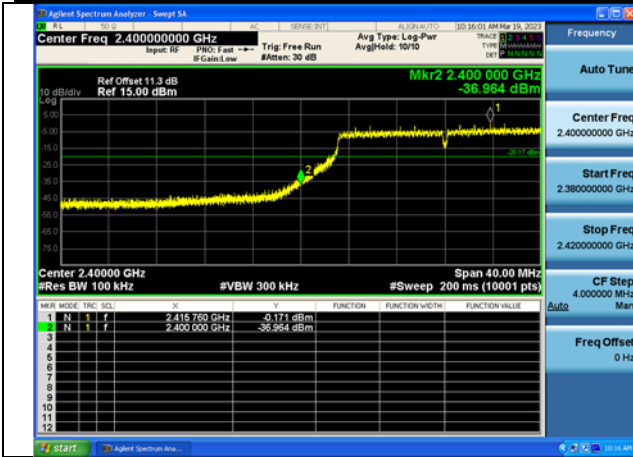


Test Mode:802.11n HT20 2412MHz Chain1



Test Mode:802.11n HT20 2462MHz Chain1

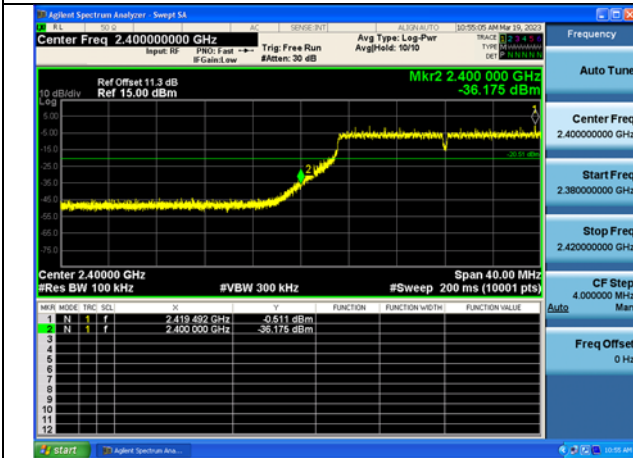
Test Mode: 802.11ax HE20



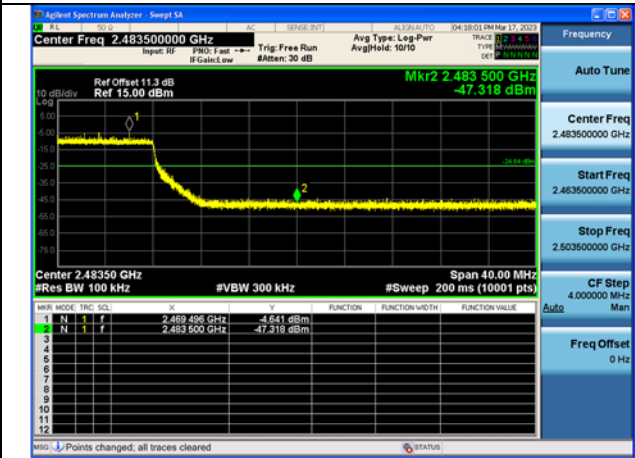
Test Mode:802.11ax HE20 2412MHz Chain0



Test Mode:802.11ax HE20 2462MHz Chain0

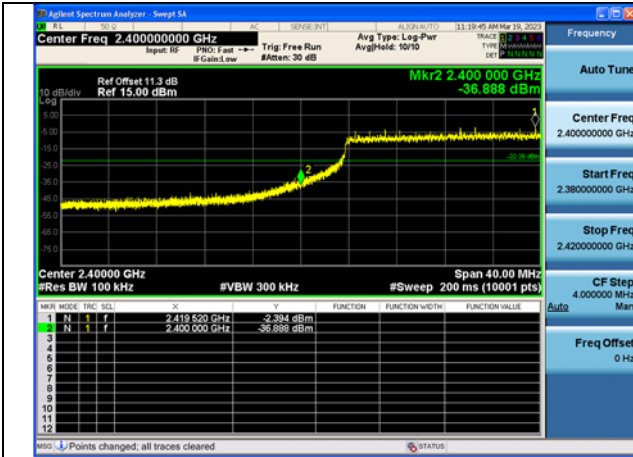


Test Mode:802.11ax HE20 2412MHz Chain1



Test Mode:802.11ax HE20 2462MHz Chain1

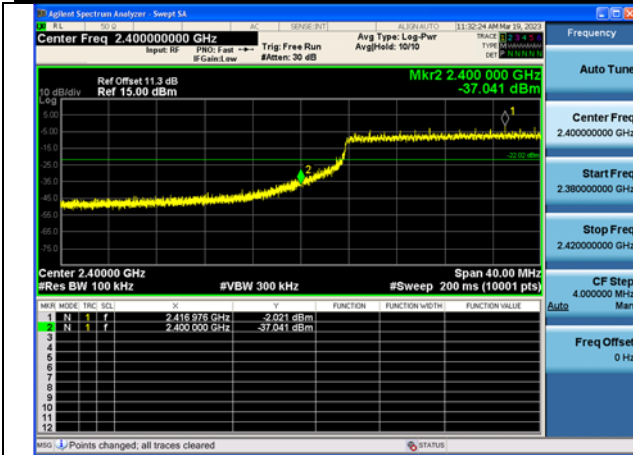
Test Mode: 802.11ax HE40



Test Mode:802.11ax HE40 2422MHz Chain0



Test Mode:802.11ax HE40 2452MHz Chain0

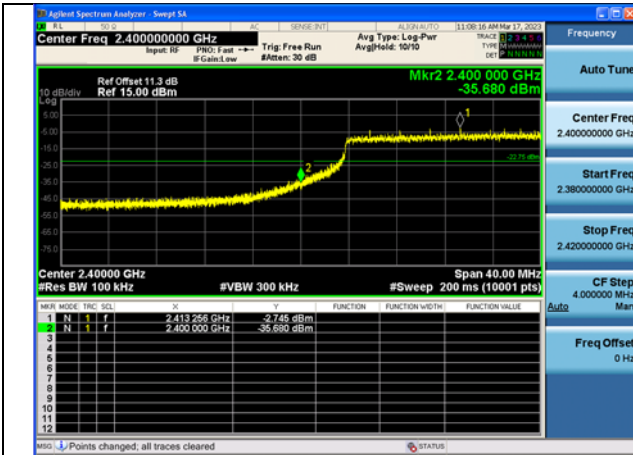


Test Mode:802.11ax HE40 2422MHz Chain1



Test Mode:802.11ax HE40 2452MHz Chain1

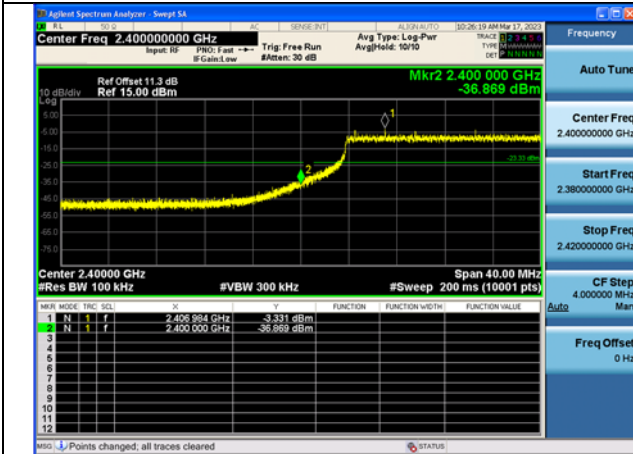
Test Mode: 802.11n HT40



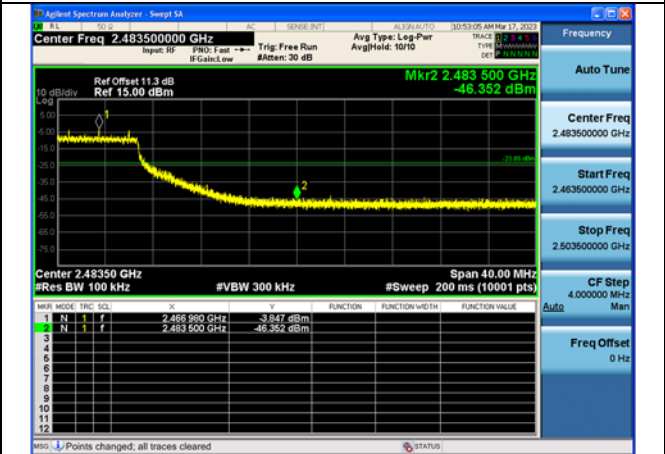
Test Mode:802.11n HT40 2422MHz Chain0



Test Mode:802.11n HT40 2452MHz Chain0



Test Mode:802.11n HT40 2422MHz Chain1



Test Mode:802.11n HT40 2452MHz Chain1

APPENDIX B – TEST DATA OF RADIATED EMISSION

Note: The worst channel results are reflected in the report.

Note: The scanned graph represents the maximum of both horizontal and vertical polarizations and is not a single horizontal or vertical polarization scan

Radiated Emission Band Edge

After comparison, the worst case attitude is EUT lay down.

Carrier frequency (MHz): 2412

Channel No.:1

Modulation Type: 802.11b

| Dectector: Peak | | | | | | | |
|--------------------|------------------------------|---------------------|----------------------|-------------------|-----------------------|---------------------------|----------|
| Frequency (MHz) | Reading MaxPeak (dBuV) | MaxPeak (dBuV/m) | Over Limt (dB) | Limit (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB) | Polarity |
| 2412.0 | 57.71 | 91.71 | N/A | N/A | 8.90 | 25.10 | Vertical |
| 2390.0 | 11.51 | 45.51 | -28.49 | 74.00 | 8.90 | 25.10 | Vertical |

| Dectector: Average | | | | | | | |
|--------------------|------------------------------|---------------------|----------------------|-------------------|-----------------------|---------------------------|----------|
| Frequency (MHz) | Reading Average (dBuV) | Average (dBuV/m) | Over Limt (dB) | Limit (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB) | Polarity |
| 2412.0 | 51.38 | 85.38 | N/A | N/A | 8.90 | 25.10 | Vertical |
| 2390.0 | 24.39 | 58.39 | 4.39 | 54.00 | 8.90 | 25.10 | Vertical |

Carrier frequency (MHz): 2462

Channel No.:11

Modulation Type: 802.11b

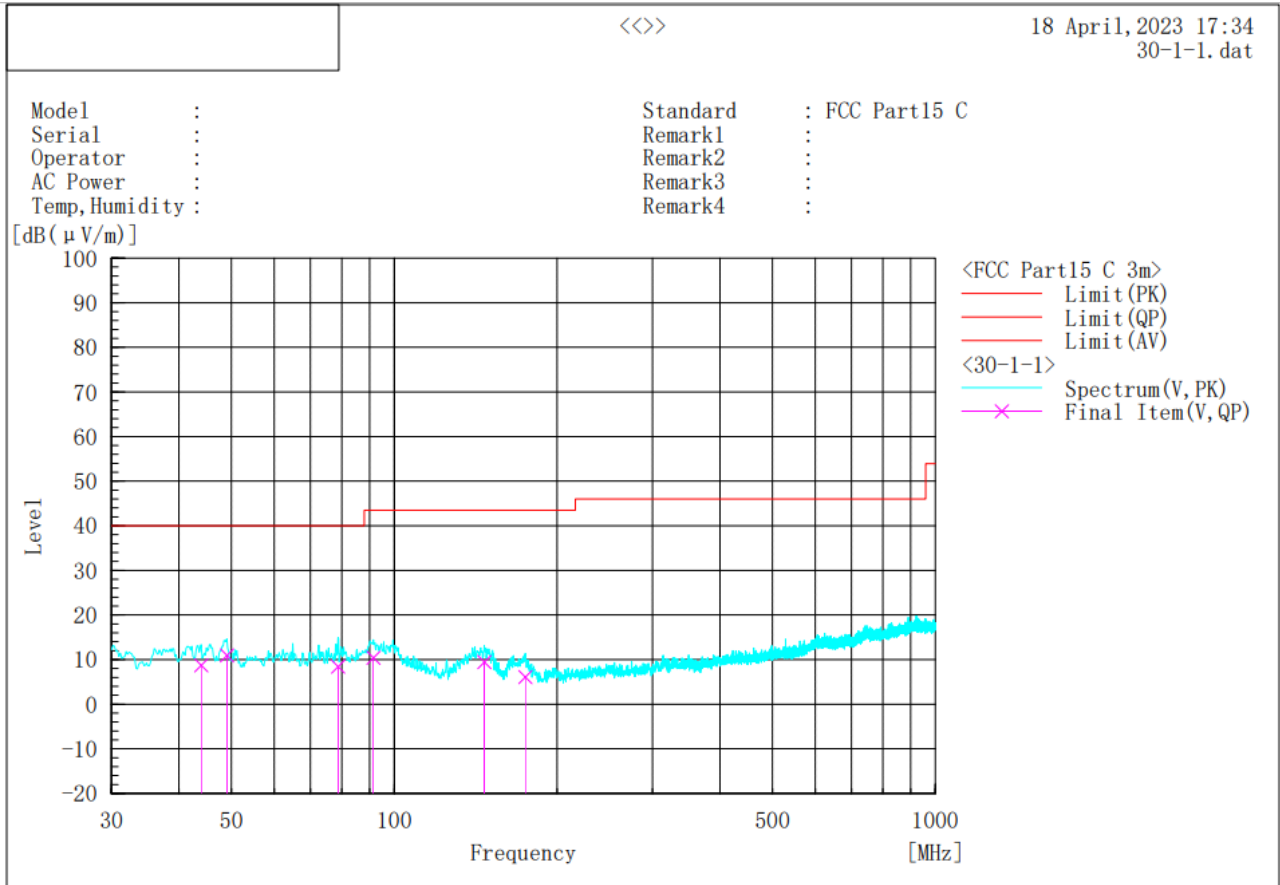
| Dectector: Peak | | | | | | | |
|--------------------|------------------------------|---------------------|----------------------|-------------------|-----------------------|---------------------------|----------|
| Frequency (MHz) | Reading MaxPeak (dBuV) | MaxPeak (dBuV/m) | Over Limt (dB) | Limit (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB) | Polarity |
| 2462.0 | 58.12 | 92.12 | N/A | N/A | 8.90 | 25.10 | Vertical |
| 2483.5 | 24.63 | 58.63 | -15.37 | 74.00 | 8.90 | 25.10 | Vertical |

| Dectector: Average | | | | | | | |
|--------------------|------------------------------|---------------------|----------------------|-------------------|-----------------------|---------------------------|----------|
| Frequency (MHz) | Reading Average (dBuV) | Average (dBuV/m) | Over Limt (dB) | Limit (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB) | Polarity |
| 2462.0 | 49.52 | 83.52 | N/A | N/A | 8.90 | 25.10 | Vertical |
| 2483.5 | 11.93 | 45.93 | -8.07 | 54.00 | 8.90 | 25.10 | Vertical |

RE Sample Calculations

After comparison,the worst case attitude is EUT lay down.

CH6

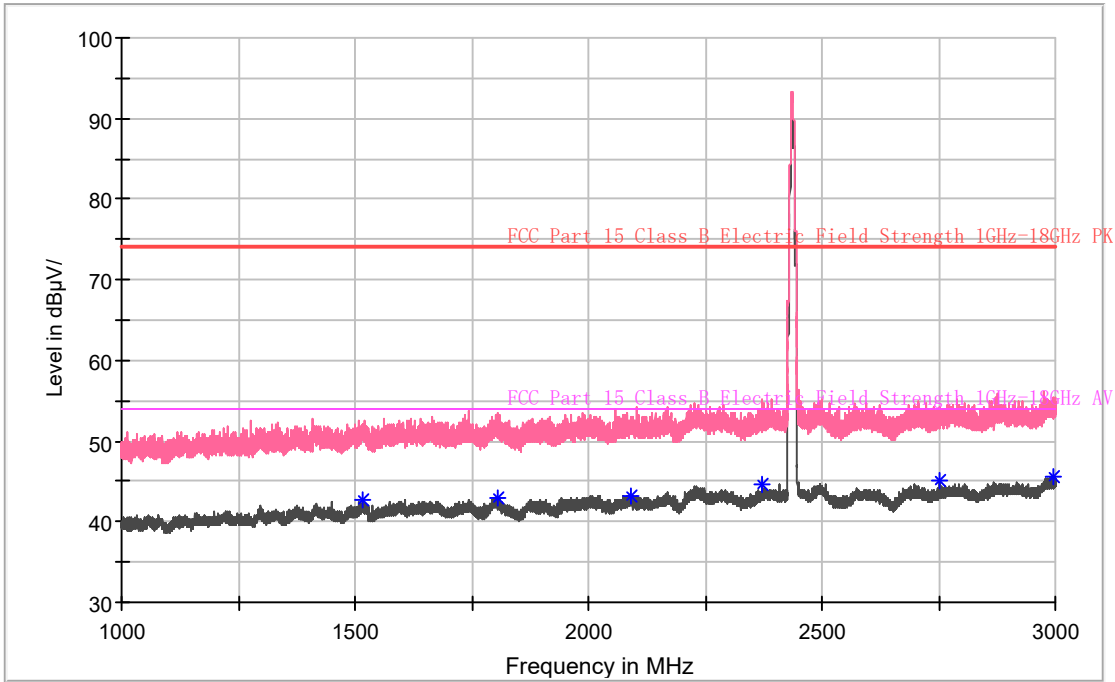


Final Result

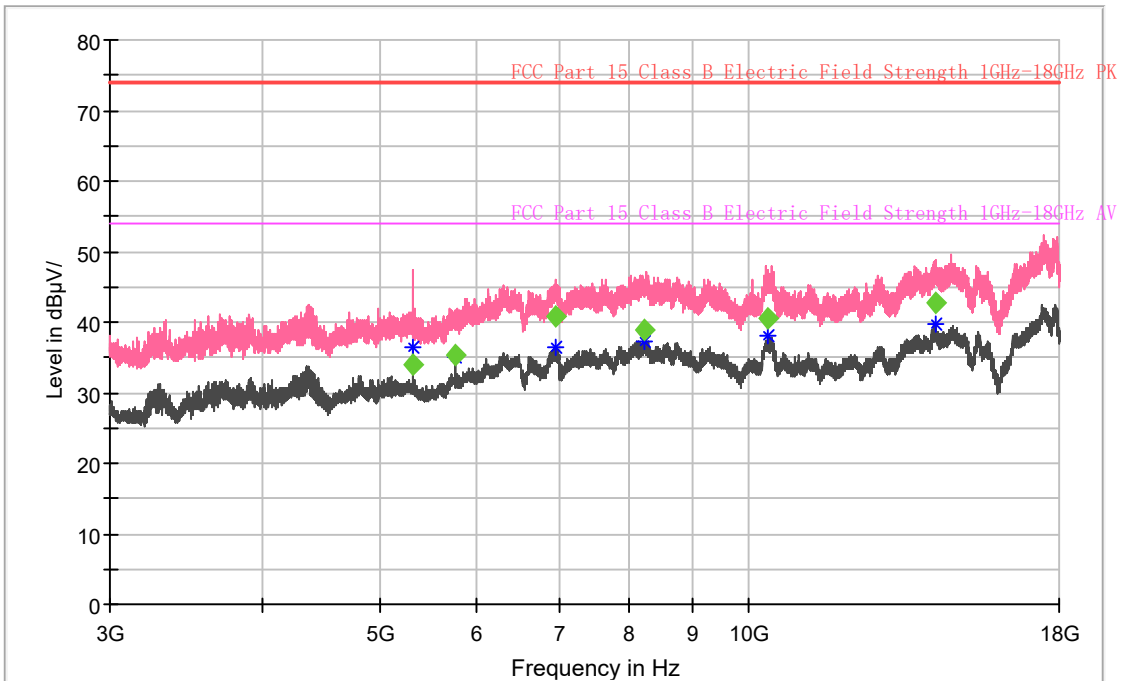
| No. | Frequency [MHz] | (P) | Reading QP [dB(µV)] | c. f [dB(1/m)] | Result QP [dB(µV/m)] | Limit QP [dB(µV/m)] | Margin QP [dB] | Height [cm] | Angle [°] | Remark |
|-----|-----------------|-----|---------------------|----------------|----------------------|---------------------|----------------|-------------|-----------|--------|
| 1 | 43.971 | V | 55.3 | -46.5 | 8.8 | 40.0 | 31.2 | 100.0 | 202.3 | |
| 2 | 49.016 | V | 57.2 | -46.2 | 11.0 | 40.0 | 29.0 | 100.0 | 192.0 | |
| 3 | 78.704 | V | 61.2 | -52.8 | 8.4 | 40.0 | 31.6 | 250.0 | 237.8 | |
| 4 | 91.510 | V | 59.7 | -49.3 | 10.4 | 43.5 | 33.1 | 193.0 | 215.2 | |
| 5 | 146.617 | V | 61.0 | -51.5 | 9.5 | 43.5 | 34.0 | 249.0 | 98.7 | |
| 6 | 174.559 | V | 56.4 | -50.3 | 6.1 | 43.5 | 37.4 | 100.0 | 281.1 | |

Frequency Range: 30MHz -1GHz

Full Spectrum



Full Spectrum



| Frequency (MHz) | Reading (dBuV) | Average (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Arpl (dB) | Polarity |
|-----------------|----------------|------------------|----------------|-------------|-----------|----------|
| 1517.50 | 51.37 | 42.67 | 54.00 | 11.33 | -8.70 | Vertical |
| 1803.90 | 51.45 | 43.05 | 54.00 | 10.95 | -8.40 | Vertical |