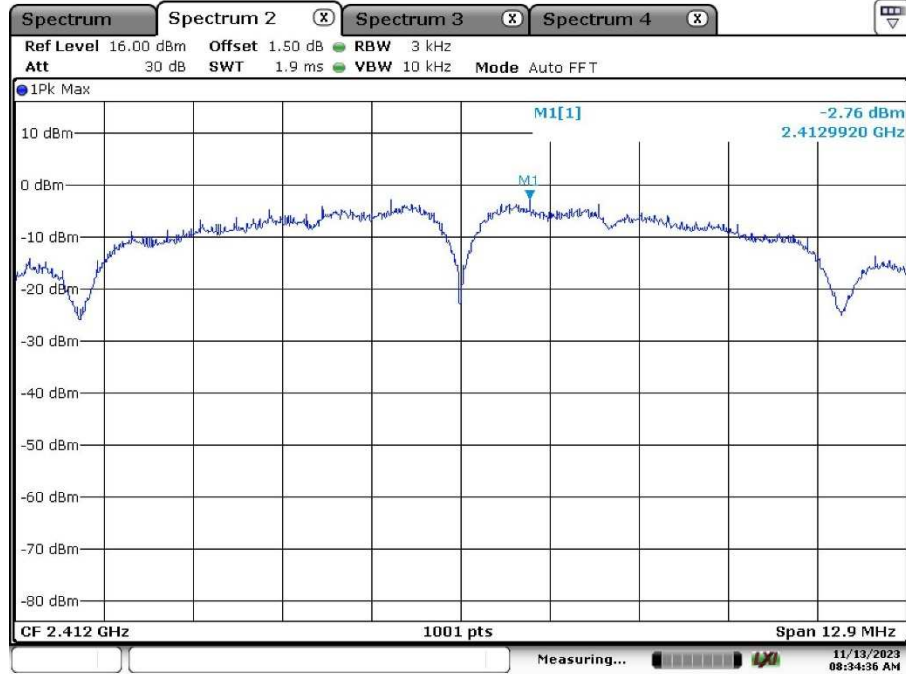


Appendix A: Test Results of 2.4GHz Wi-Fi

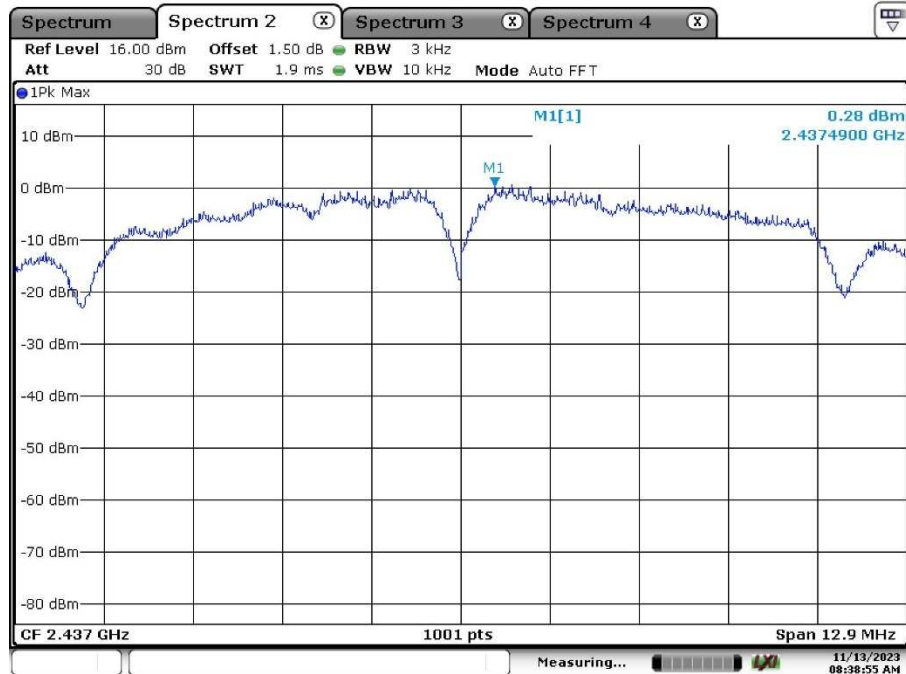
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Appendix A.1: Test Results of Conducted Power Spectral Density

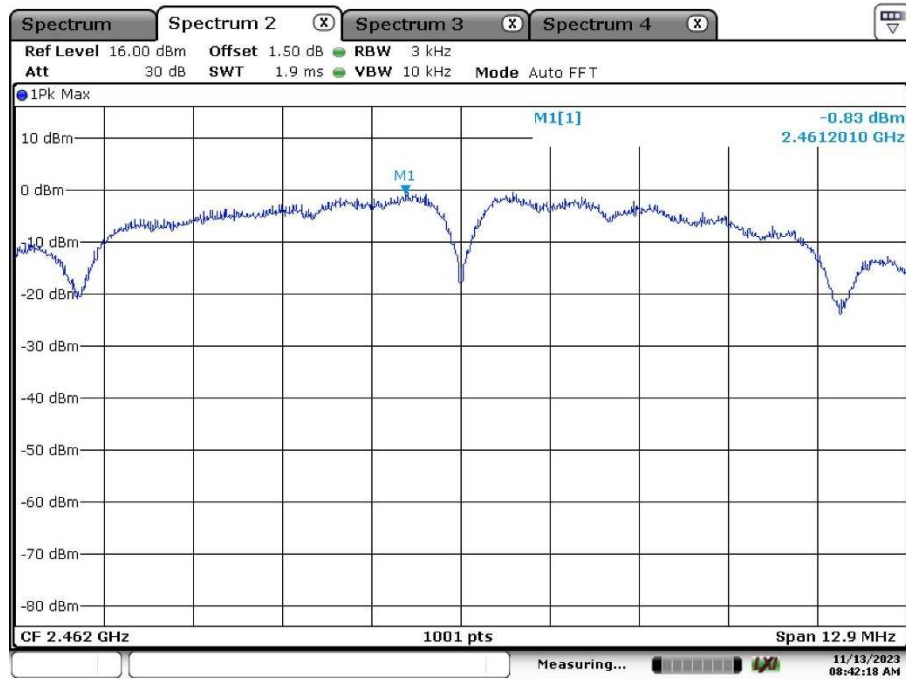
Wi-Fi 802.11 b mode



Date: 13.NOV.2023 08:34:36

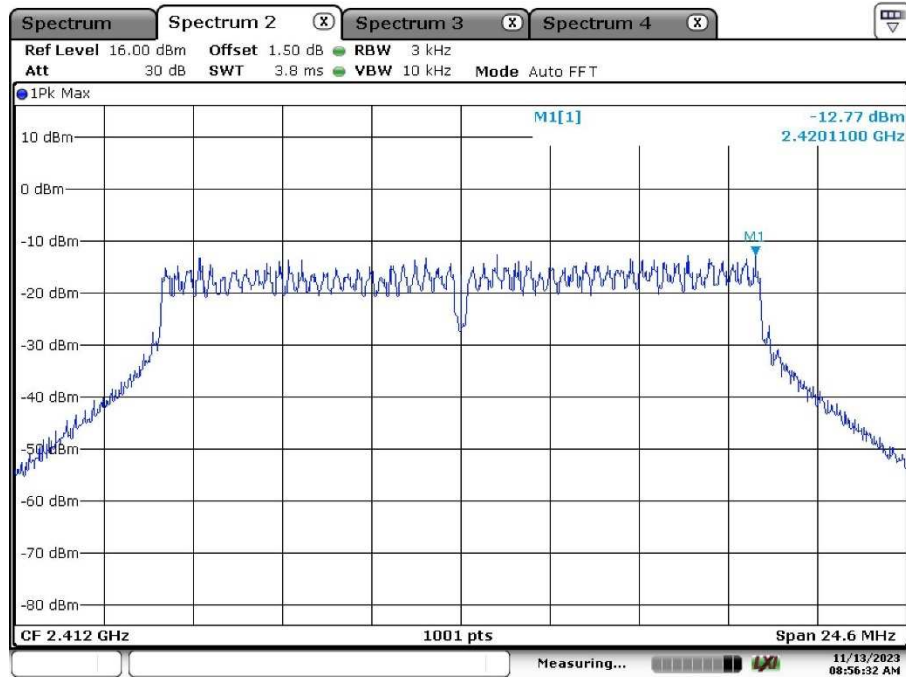


Date: 13.NOV.2023 08:38:55

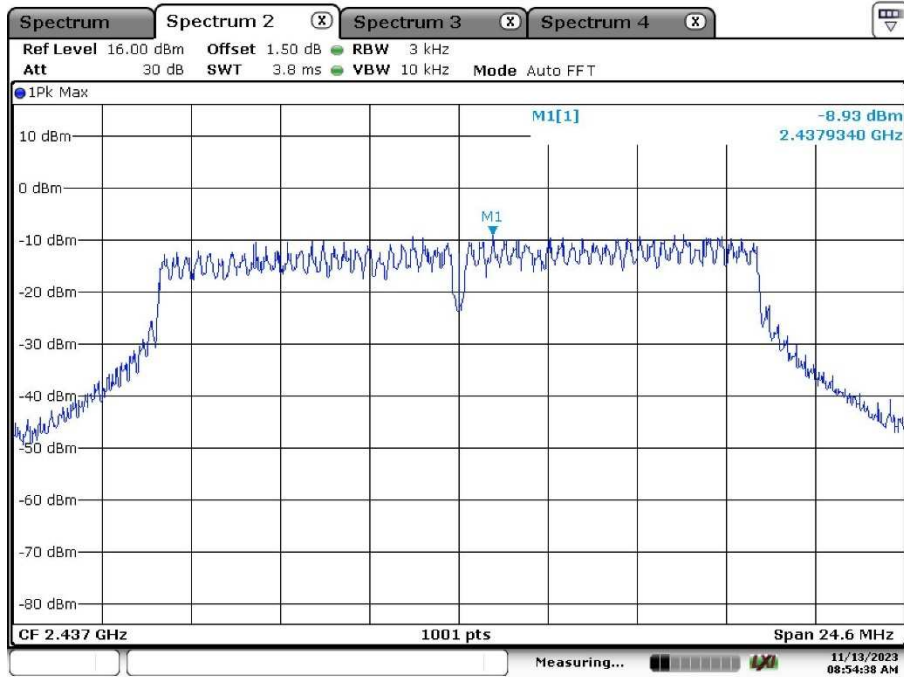


Date: 13.NOV.2023 08:42:18

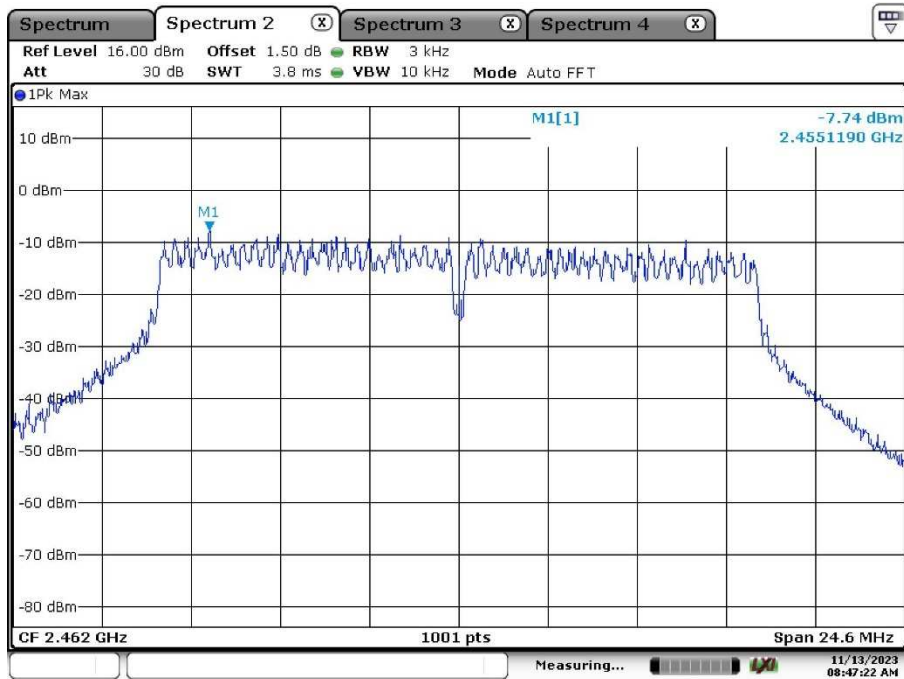
Wi-Fi 802.11 g mode



Date: 13.NOV.2023 08:56:32

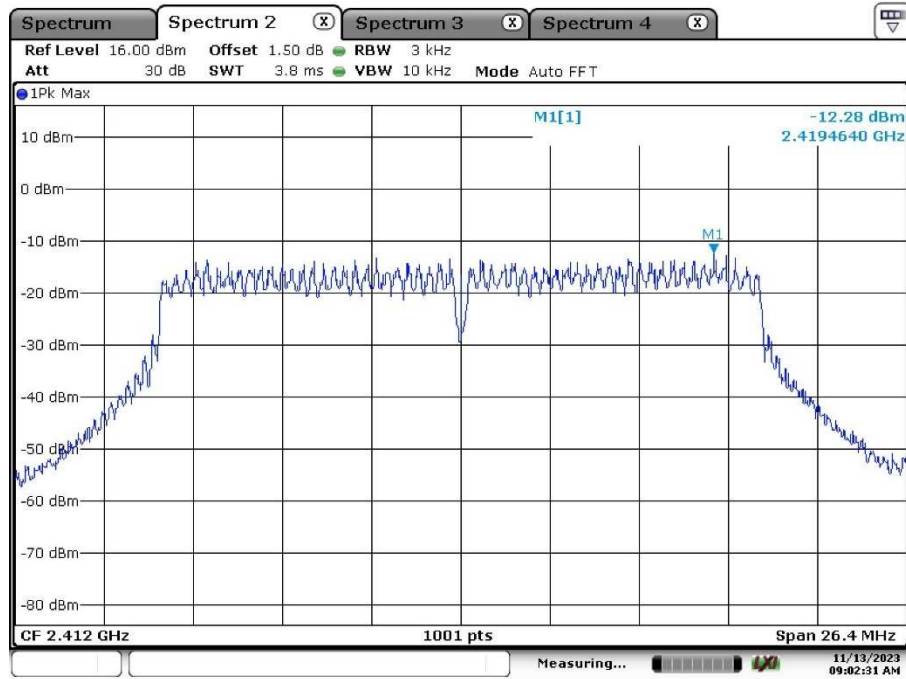


Date: 13.NOV.2023 08:54:38

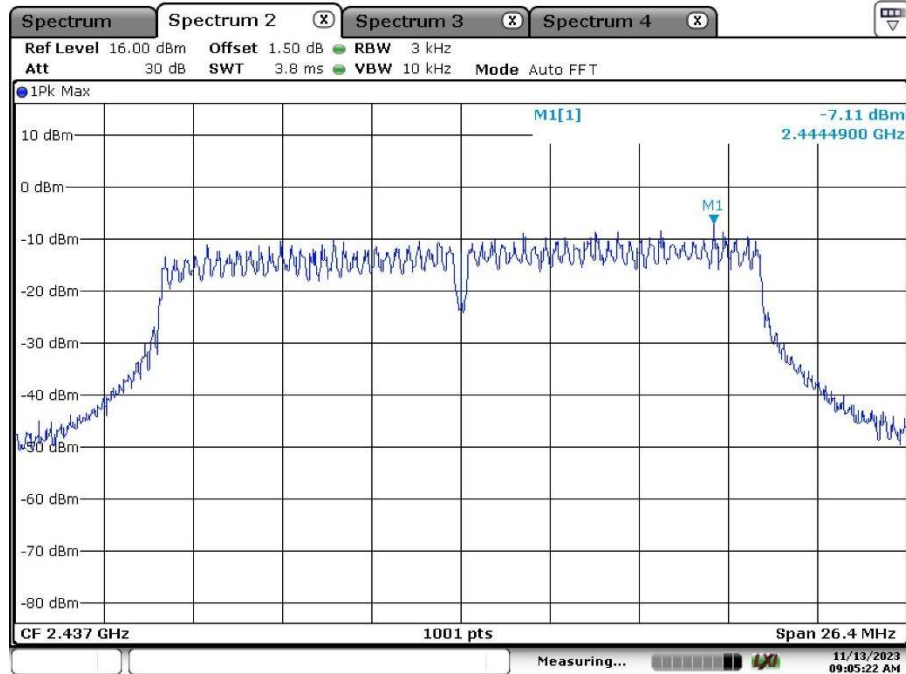


Date: 13.NOV.2023 08:47:22

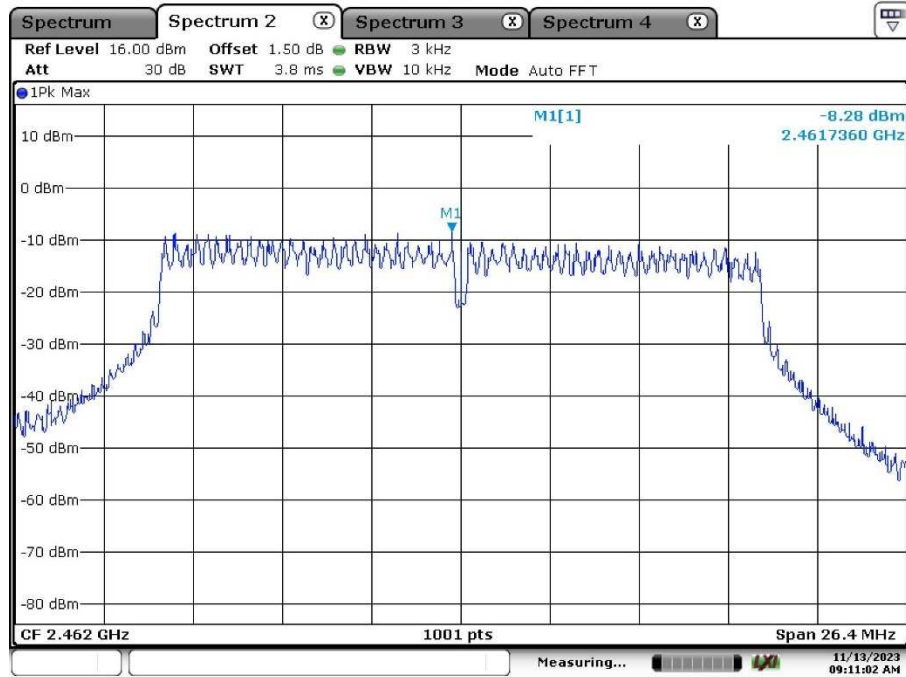
Wi-Fi 802.11 n(HT20) mode



Date: 13.NOV.2023 09:02:31

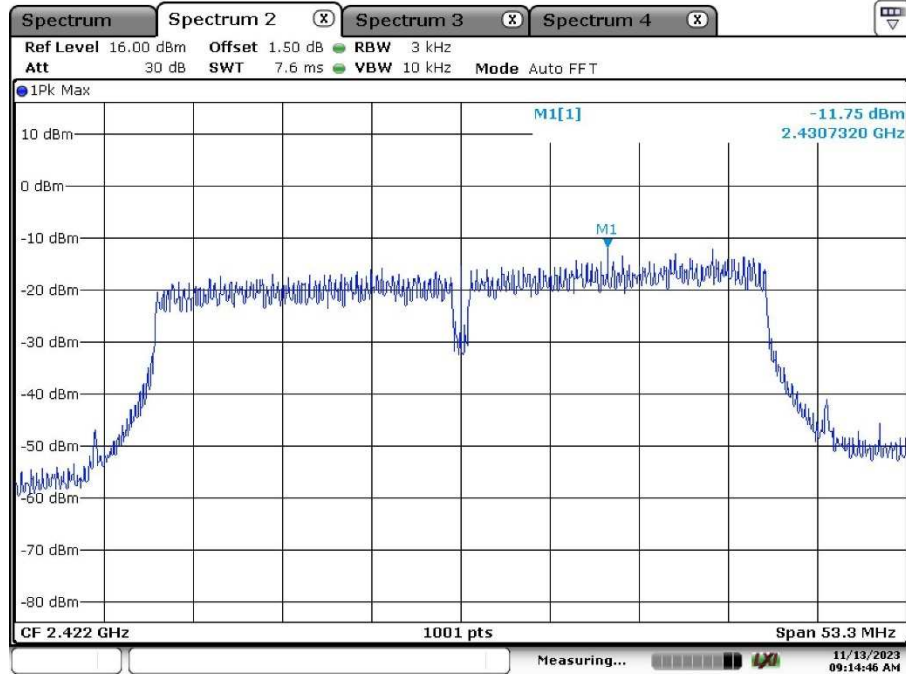


Date: 13.NOV.2023 09:05:22

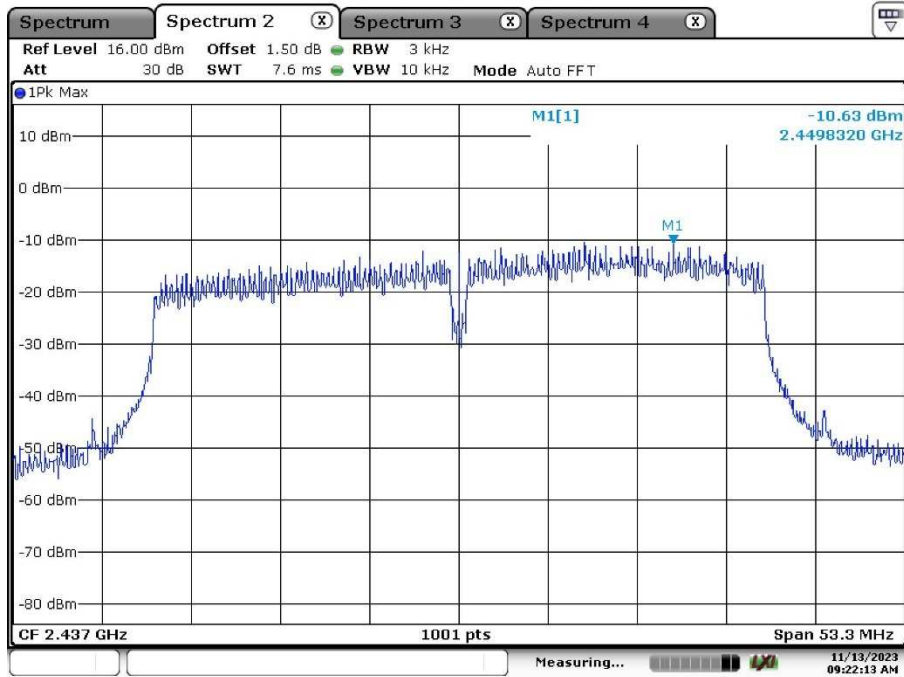


Date: 13.NOV.2023 09:11:02

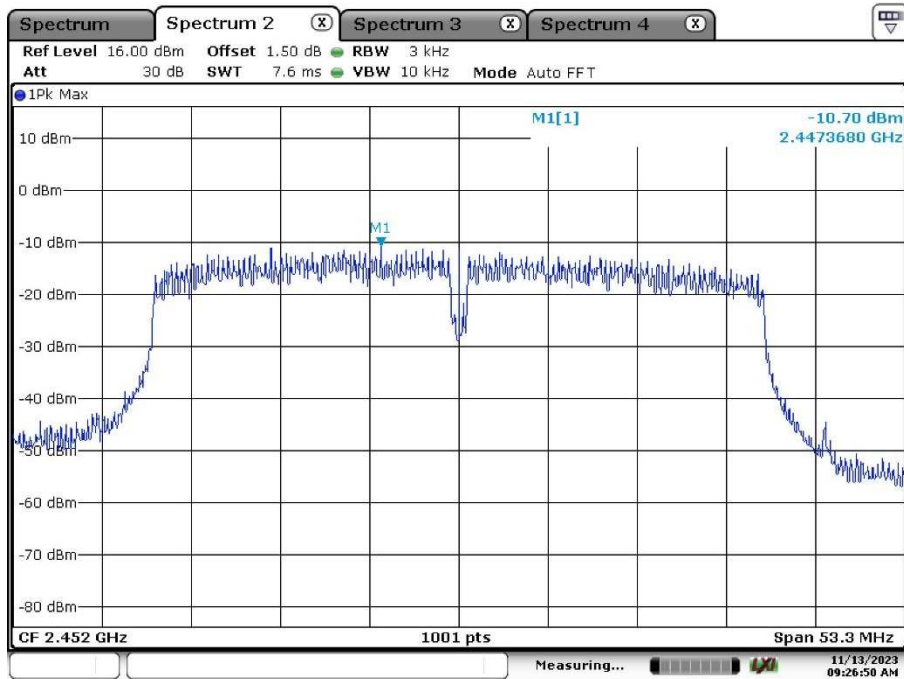
Wi-Fi 802.11 n(HT40) mode



Date: 13.NOV.2023 09:14:46



Date: 13.NOV.2023 09:22:13



Date: 13.NOV.2023 09:26:50

Appendix A.2: Test Results of 6dB Bandwidth

Wi-Fi 802.11 b mode

Minimum Emission Bandwidth 6 dB (2412 MHz; 30.000 dBm; 20 MHz(11b_20MHz))

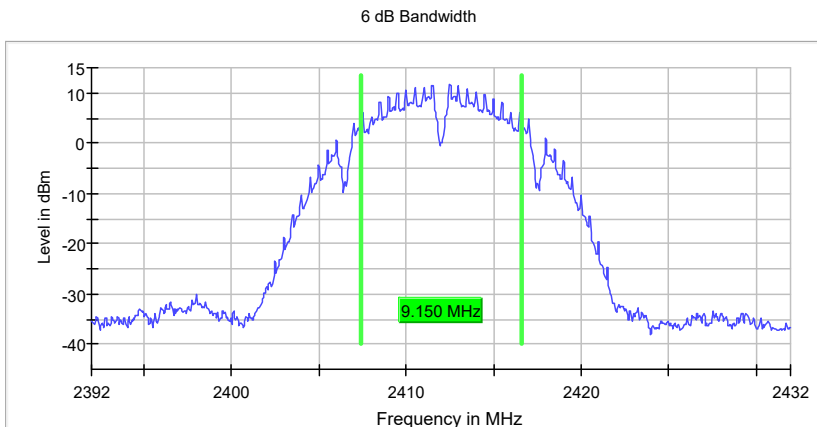
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000 | 9.150000 | 0.500000 | --- | 2407.425000 | 2416.575000 |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2412.000000 | 11.6 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|---------------|
| Start Frequency | 2.39200 GHz | 2.39200 GHz |
| Stop Frequency | 2.43200 GHz | 2.43200 GHz |
| Span | 40.000 MHz | 40.000 MHz |
| RBW | 100.000 kHz | ~ 100.000 kHz |
| VBW | 300.000 kHz | ~ 300.000 kHz |
| SweepPoints | 800 | ~ 800 |
| Sweeptime | 94.922 µs | AUTO |
| Reference Level | 20.000 dBm | 20.000 dBm |
| Attenuation | 40.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | FFT | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.50 dB | 0.50 dB |
| Run | 13 / max. 150 | max. 150 |
| Stable | 5 / 5 | 5 |
| Max Stable Difference | 0.09 dB | 0.50 dB |

Minimum Emission Bandwidth 6 dB (2437 MHz; 30.000 dBm; 20 MHz(11b_20MHz))

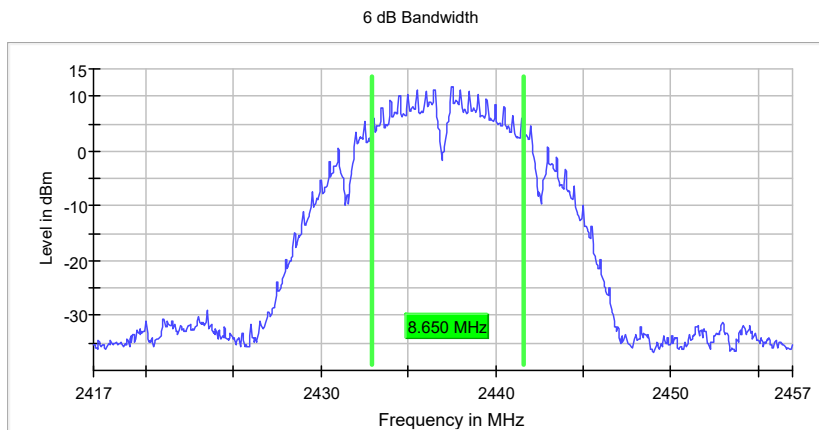
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000 | 8.650000 | 0.500000 | --- | 2432.925000 | 2441.575000 |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2437.000000 | 11.7 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|---------------|
| Start Frequency | 2.41700 GHz | 2.41700 GHz |
| Stop Frequency | 2.45700 GHz | 2.45700 GHz |
| Span | 40.000 MHz | 40.000 MHz |
| RBW | 100.000 kHz | ~ 100.000 kHz |
| VBW | 300.000 kHz | ~ 300.000 kHz |
| SweepPoints | 800 | ~ 800 |
| Sweeptime | 94.922 µs | AUTO |
| Reference Level | 20.000 dBm | 20.000 dBm |
| Attenuation | 40.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | FFT | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.50 dB | 0.50 dB |
| Run | 22 / max. 150 | max. 150 |
| Stable | 5 / 5 | 5 |
| Max Stable Difference | 0.09 dB | 0.50 dB |

Minimum Emission Bandwidth 6 dB (2462 MHz; 30.000 dBm; 20 MHz(11b_20MHz))

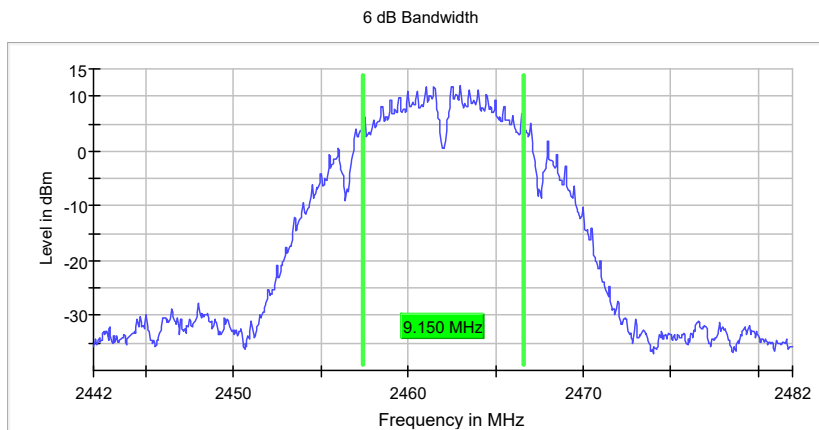
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000 | 9.150000 | 0.500000 | --- | 2457.425000 | 2466.575000 |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2462.000000 | 11.9 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|---------------|
| Start Frequency | 2.44200 GHz | 2.44200 GHz |
| Stop Frequency | 2.48200 GHz | 2.48200 GHz |
| Span | 40.000 MHz | 40.000 MHz |
| RBW | 100.000 kHz | ~ 100.000 kHz |
| VBW | 300.000 kHz | ~ 300.000 kHz |
| SweepPoints | 800 | ~ 800 |
| Sweeptime | 94.922 µs | AUTO |
| Reference Level | 20.000 dBm | 20.000 dBm |
| Attenuation | 40.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | FFT | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.50 dB | 0.50 dB |
| Run | 11 / max. 150 | max. 150 |
| Stable | 5 / 5 | 5 |
| Max Stable Difference | 0.14 dB | 0.50 dB |

Wi-Fi 802.11 g mode

Minimum Emission Bandwidth 6 dB (2412 MHz; 30.000 dBm; 20 MHz(11g_20MHz))

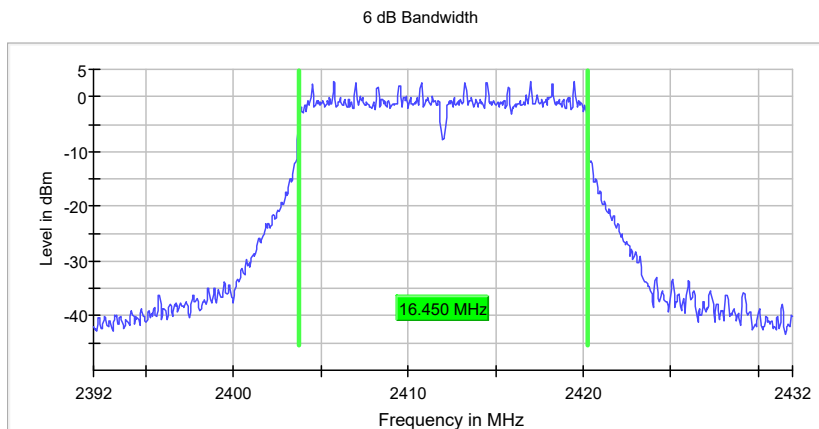
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000 | 16.450000 | 0.500000 | --- | 2403.775000 | 2420.225000 |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2412.000000 | 2.8 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|---------------|
| Start Frequency | 2.39200 GHz | 2.39200 GHz |
| Stop Frequency | 2.43200 GHz | 2.43200 GHz |
| Span | 40.000 MHz | 40.000 MHz |
| RBW | 100.000 kHz | ~ 100.000 kHz |
| VBW | 300.000 kHz | ~ 300.000 kHz |
| SweepPoints | 800 | ~ 800 |
| SweepTime | 94.922 µs | AUTO |
| Reference Level | 10.000 dBm | 10.000 dBm |
| Attenuation | 30.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | FFT | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.50 dB | 0.50 dB |
| Run | 27 / max. 150 | max. 150 |
| Stable | 5 / 5 | 5 |
| Max Stable Difference | 0.43 dB | 0.50 dB |

Minimum Emission Bandwidth 6 dB (2437 MHz; 30.000 dBm; 20 MHz(11g_20MHz))

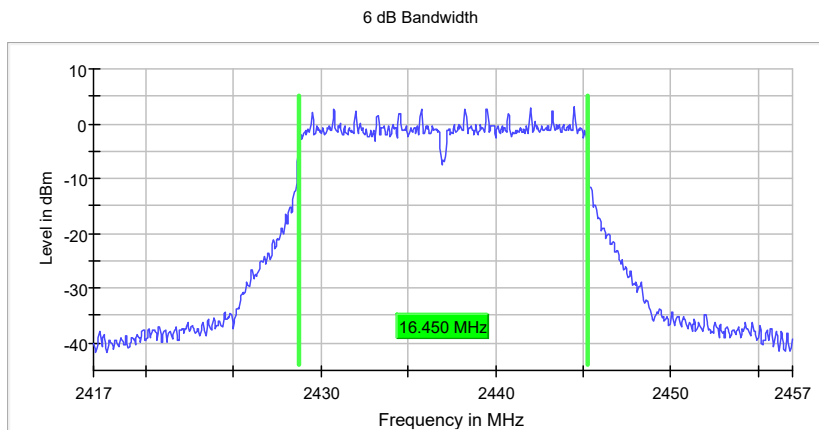
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000 | 16.450000 | 0.500000 | --- | 2428.775000 | 2445.225000 |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2437.000000 | 3.0 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|---------------|
| Start Frequency | 2.41700 GHz | 2.41700 GHz |
| Stop Frequency | 2.45700 GHz | 2.45700 GHz |
| Span | 40.000 MHz | 40.000 MHz |
| RBW | 100.000 kHz | ~ 100.000 kHz |
| VBW | 300.000 kHz | ~ 300.000 kHz |
| SweepPoints | 800 | ~ 800 |
| Sweeptime | 94.922 µs | AUTO |
| Reference Level | 10.000 dBm | 10.000 dBm |
| Attenuation | 30.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | FFT | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.50 dB | 0.50 dB |
| Run | 29 / max. 150 | max. 150 |
| Stable | 5 / 5 | 5 |
| Max Stable Difference | 0.11 dB | 0.50 dB |

Minimum Emission Bandwidth 6 dB (2462 MHz; 30.000 dBm; 20 MHz(11g_20MHz))

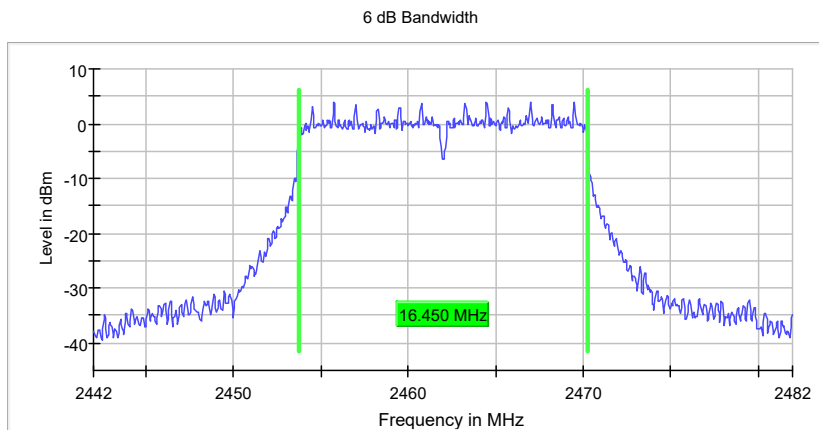
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000 | 16.450000 | 0.500000 | --- | 2453.775000 | 2470.225000 |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2462.000000 | 4.1 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|---------------|
| Start Frequency | 2.44200 GHz | 2.44200 GHz |
| Stop Frequency | 2.48200 GHz | 2.48200 GHz |
| Span | 40.000 MHz | 40.000 MHz |
| RBW | 100.000 kHz | ~ 100.000 kHz |
| VBW | 300.000 kHz | ~ 300.000 kHz |
| SweepPoints | 800 | ~ 800 |
| Sweeptime | 94.922 µs | AUTO |
| Reference Level | 10.000 dBm | 10.000 dBm |
| Attenuation | 30.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | FFT | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.50 dB | 0.50 dB |
| Run | 26 / max. 150 | max. 150 |
| Stable | 5 / 5 | 5 |
| Max Stable Difference | 0.34 dB | 0.50 dB |

Wi-Fi 802.11 n(HT20) mode

Minimum Emission Bandwidth 6 dB (2412 MHz; 30.000 dBm; 20 MHz(11n_20MHz))

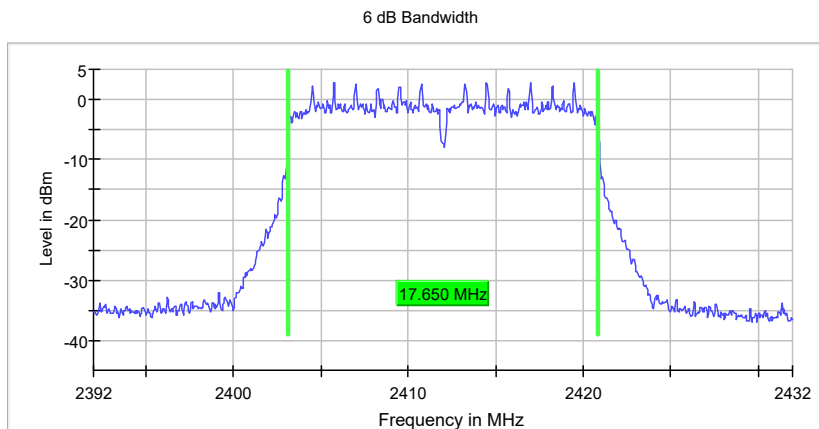
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000 | 17.650000 | 0.500000 | --- | 2403.175000 | 2420.825000 |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2412.000000 | 2.8 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|---------------|
| Start Frequency | 2.39200 GHz | 2.39200 GHz |
| Stop Frequency | 2.43200 GHz | 2.43200 GHz |
| Span | 40.000 MHz | 40.000 MHz |
| RBW | 100.000 kHz | ~ 100.000 kHz |
| VBW | 300.000 kHz | ~ 300.000 kHz |
| SweepPoints | 800 | ~ 800 |
| SweepTime | 94.922 µs | AUTO |
| Reference Level | 20.000 dBm | 20.000 dBm |
| Attenuation | 40.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | FFT | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.50 dB | 0.50 dB |
| Run | 33 / max. 150 | max. 150 |
| Stable | 5 / 5 | 5 |
| Max Stable Difference | 0.11 dB | 0.50 dB |

Minimum Emission Bandwidth 6 dB (2437 MHz; 30.000 dBm; 20 MHz(11n_20MHz))

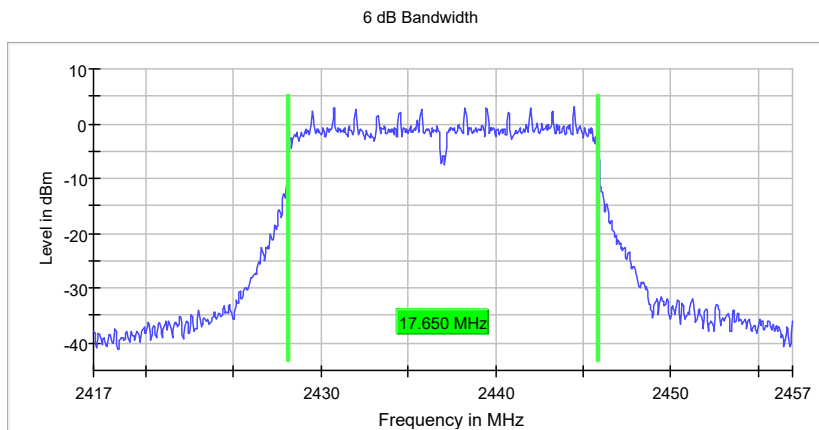
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000 | 17.650000 | 0.500000 | --- | 2428.175000 | 2445.825000 |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2437.000000 | 3.2 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|---------------|
| Start Frequency | 2.41700 GHz | 2.41700 GHz |
| Stop Frequency | 2.45700 GHz | 2.45700 GHz |
| Span | 40.000 MHz | 40.000 MHz |
| RBW | 100.000 kHz | ~ 100.000 kHz |
| VBW | 300.000 kHz | ~ 300.000 kHz |
| SweepPoints | 800 | ~ 800 |
| Sweeptime | 94.922 µs | AUTO |
| Reference Level | 10.000 dBm | 10.000 dBm |
| Attenuation | 30.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| SweepType | FFT | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.50 dB | 0.50 dB |
| Run | 28 / max. 150 | max. 150 |
| Stable | 5 / 5 | 5 |
| Max Stable Difference | 0.19 dB | 0.50 dB |

Minimum Emission Bandwidth 6 dB (2462 MHz; 30.000 dBm; 20 MHz(11n_20MHz))

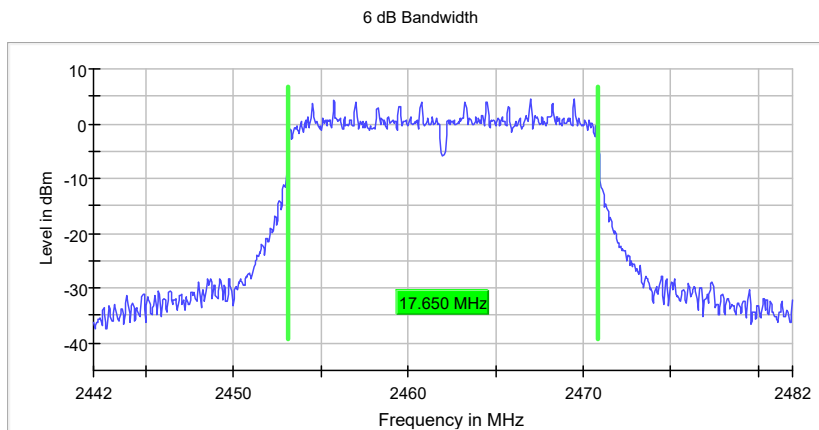
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000 | 17.650000 | 0.500000 | --- | 2453.175000 | 2470.825000 |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2462.000000 | 4.6 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|---------------|
| Start Frequency | 2.44200 GHz | 2.44200 GHz |
| Stop Frequency | 2.48200 GHz | 2.48200 GHz |
| Span | 40.000 MHz | 40.000 MHz |
| RBW | 100.000 kHz | ~ 100.000 kHz |
| VBW | 300.000 kHz | ~ 300.000 kHz |
| SweepPoints | 800 | ~ 800 |
| Sweeptime | 94.922 µs | AUTO |
| Reference Level | 10.000 dBm | 10.000 dBm |
| Attenuation | 30.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | FFT | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.50 dB | 0.50 dB |
| Run | 37 / max. 150 | max. 150 |
| Stable | 5 / 5 | 5 |
| Max Stable Difference | 0.40 dB | 0.50 dB |

Wi-Fi 802.11 n(HT40) mode

Minimum Emission Bandwidth 6 dB (2422 MHz; 30.000 dBm; 11n_40 MHz)

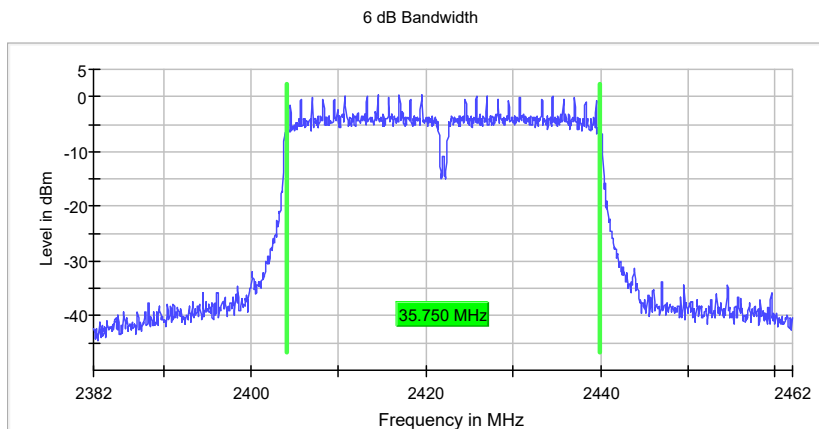
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2422.000000 | 35.750000 | 0.500000 | --- | 2404.075000 | 2439.825000 |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2422.000000 | 0.3 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|---------------|
| Start Frequency | 2.38200 GHz | 2.38200 GHz |
| Stop Frequency | 2.46200 GHz | 2.46200 GHz |
| Span | 80.000 MHz | 80.000 MHz |
| RBW | 100.000 kHz | ~ 100.000 kHz |
| VBW | 300.000 kHz | ~ 300.000 kHz |
| SweepPoints | 1600 | ~ 1600 |
| SweepTime | 1.600 ms | AUTO |
| Reference Level | 10.000 dBm | 10.000 dBm |
| Attenuation | 30.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | Sweep | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.50 dB | 0.50 dB |
| Run | 25 / max. 150 | max. 150 |
| Stable | 5 / 5 | 5 |
| Max Stable Difference | 0.08 dB | 0.50 dB |

Minimum Emission Bandwidth 6 dB (2437 MHz; 30.000 dBm; 11n_40 MHz)

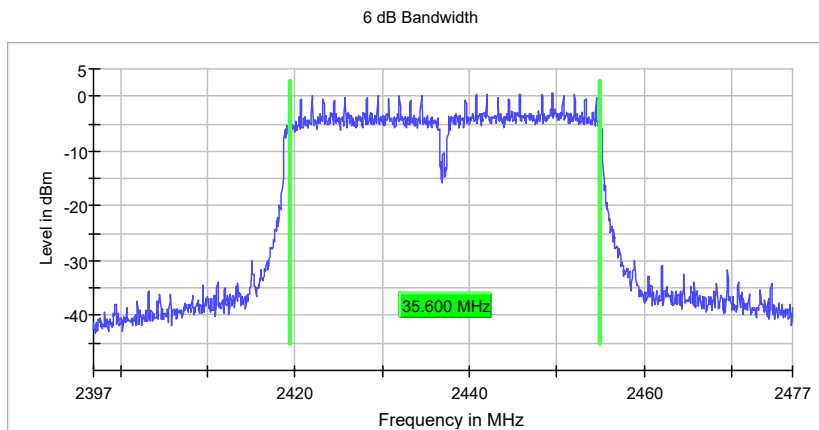
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000 | 35.600000 | 0.500000 | --- | 2419.375000 | 2454.975000 |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2437.000000 | 0.7 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|---------------|
| Start Frequency | 2.39700 GHz | 2.39700 GHz |
| Stop Frequency | 2.47700 GHz | 2.47700 GHz |
| Span | 80.000 MHz | 80.000 MHz |
| RBW | 100.000 kHz | ~ 100.000 kHz |
| VBW | 300.000 kHz | ~ 300.000 kHz |
| SweepPoints | 1600 | ~ 1600 |
| Sweeptime | 1.600 ms | AUTO |
| Reference Level | 10.000 dBm | 10.000 dBm |
| Attenuation | 30.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | Sweep | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.50 dB | 0.50 dB |
| Run | 24 / max. 150 | max. 150 |
| Stable | 5 / 5 | 5 |
| Max Stable Difference | 0.25 dB | 0.50 dB |

Minimum Emission Bandwidth 6 dB (2452 MHz; 30.000 dBm; 11n_40 MHz)

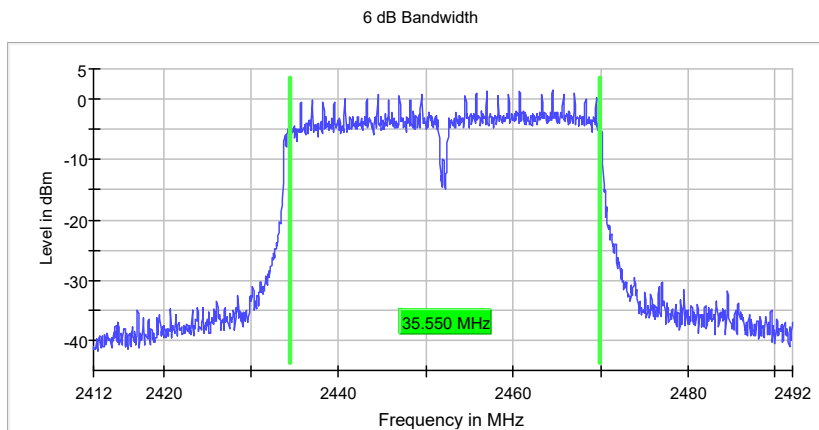
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2452.000000 | 35.550000 | 0.500000 | --- | 2434.425000 | 2469.975000 |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2452.000000 | 1.6 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|---------------|
| Start Frequency | 2.41200 GHz | 2.41200 GHz |
| Stop Frequency | 2.49200 GHz | 2.49200 GHz |
| Span | 80.000 MHz | 80.000 MHz |
| RBW | 100.000 kHz | ~ 100.000 kHz |
| VBW | 300.000 kHz | ~ 300.000 kHz |
| SweepPoints | 1600 | ~ 1600 |
| Sweeptime | 1.600 ms | AUTO |
| Reference Level | 10.000 dBm | 10.000 dBm |
| Attenuation | 30.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | Sweep | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.50 dB | 0.50 dB |
| Run | 28 / max. 150 | max. 150 |
| Stable | 5 / 5 | 5 |
| Max Stable Difference | 0.36 dB | 0.50 dB |

Appendix A.3: Test Results of 99% Bandwidth

Wi-Fi 802.11 b mode

Occupied Channel Bandwidth 99% (2412 MHz; 30.000 dBm; 20 MHz(11b_20MHz))

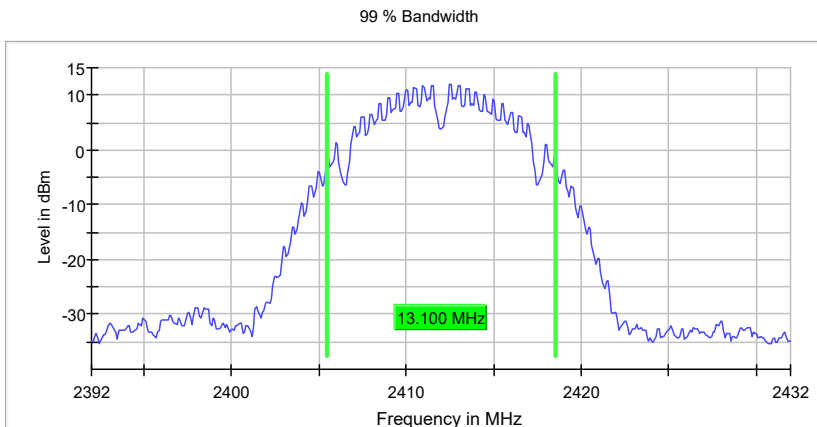
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000 | 13.100000 | --- | --- | 2405.450000 | 2418.550000 |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|----------------|
| Start Frequency | 2.39200 GHz | 2.39200 GHz |
| Stop Frequency | 2.43200 GHz | 2.43200 GHz |
| Span | 40.000 MHz | 40.000 MHz |
| RBW | 200.000 kHz | >= 200.000 kHz |
| VBW | 1.000 MHz | >= 600.000 kHz |
| SweepPoints | 400 | ~ 400 |
| Sweeptime | 47.266 µs | AUTO |
| Reference Level | 20.000 dBm | 20.000 dBm |
| Attenuation | 40.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | FFT | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.30 dB | 0.30 dB |
| Run | 4 / max. 150 | max. 150 |
| Stable | 3 / 3 | 3 |
| Max Stable Difference | 0.09 dB | 0.30 dB |

Occupied Channel Bandwidth 99% (2437 MHz; 30.000 dBm; 20 MHz(11b_20MHz))

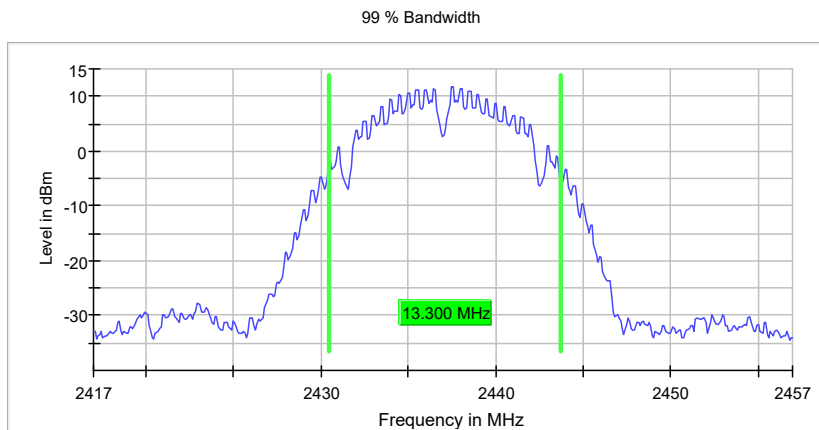
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000 | 13.300000 | --- | --- | 2430.450000 | 2443.750000 |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|----------------|
| Start Frequency | 2.41700 GHz | 2.41700 GHz |
| Stop Frequency | 2.45700 GHz | 2.45700 GHz |
| Span | 40.000 MHz | 40.000 MHz |
| RBW | 200.000 kHz | >= 200.000 kHz |
| VBW | 1.000 MHz | >= 600.000 kHz |
| SweepPoints | 400 | ~ 400 |
| Sweeptime | 47.266 µs | AUTO |
| Reference Level | 20.000 dBm | 20.000 dBm |
| Attenuation | 40.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | FFT | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.30 dB | 0.30 dB |
| Run | 5 / max. 150 | max. 150 |
| Stable | 3 / 3 | 3 |
| Max Stable Difference | 0.21 dB | 0.30 dB |

Occupied Channel Bandwidth 99% (2462 MHz; 30.000 dBm; 20 MHz(11b_20MHz))

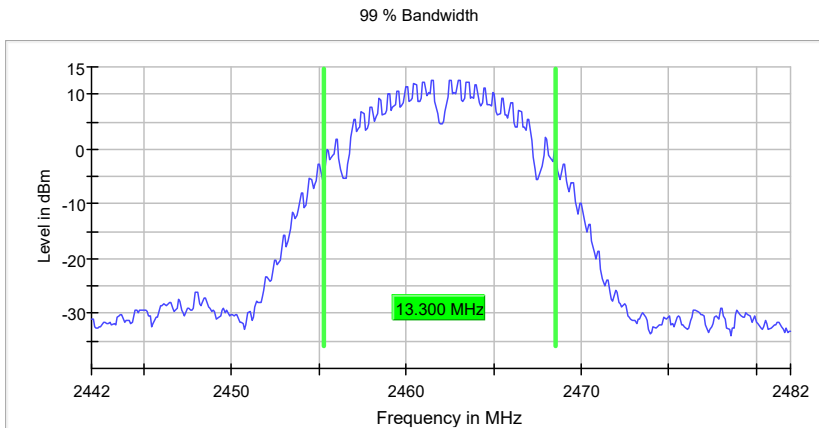
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000 | 13.300000 | --- | --- | 2455.250000 | 2468.550000 |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|----------------|
| Start Frequency | 2.44200 GHz | 2.44200 GHz |
| Stop Frequency | 2.48200 GHz | 2.48200 GHz |
| Span | 40.000 MHz | 40.000 MHz |
| RBW | 200.000 kHz | >= 200.000 kHz |
| VBW | 1.000 MHz | >= 600.000 kHz |
| SweepPoints | 400 | ~ 400 |
| Sweeptime | 47.266 µs | AUTO |
| Reference Level | 20.000 dBm | 20.000 dBm |
| Attenuation | 40.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | FFT | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.30 dB | 0.30 dB |
| Run | 6 / max. 150 | max. 150 |
| Stable | 3 / 3 | 3 |
| Max Stable Difference | 0.12 dB | 0.30 dB |

Wi-Fi 802.11 g mode

Occupied Channel Bandwidth 99% (2412 MHz; 30.000 dBm; 20 MHz(11g_20MHz))

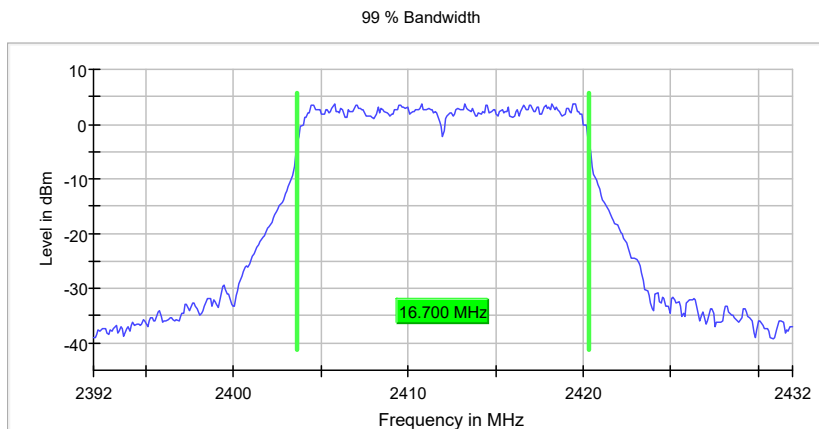
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000 | 16.700000 | --- | --- | 2403.650000 | 2420.350000 |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|----------------|
| Start Frequency | 2.39200 GHz | 2.39200 GHz |
| Stop Frequency | 2.43200 GHz | 2.43200 GHz |
| Span | 40.000 MHz | 40.000 MHz |
| RBW | 200.000 kHz | >= 200.000 kHz |
| VBW | 1.000 MHz | >= 600.000 kHz |
| SweepPoints | 400 | ~ 400 |
| SweepTime | 47.266 µs | AUTO |
| Reference Level | 10.000 dBm | 10.000 dBm |
| Attenuation | 30.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| SweepType | FFT | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.30 dB | 0.30 dB |
| Run | 31 / max. 150 | max. 150 |
| Stable | 3 / 3 | 3 |
| Max Stable Difference | 0.23 dB | 0.30 dB |

Occupied Channel Bandwidth 99% (2437 MHz; 30.000 dBm; 20 MHz(11g_20MHz))

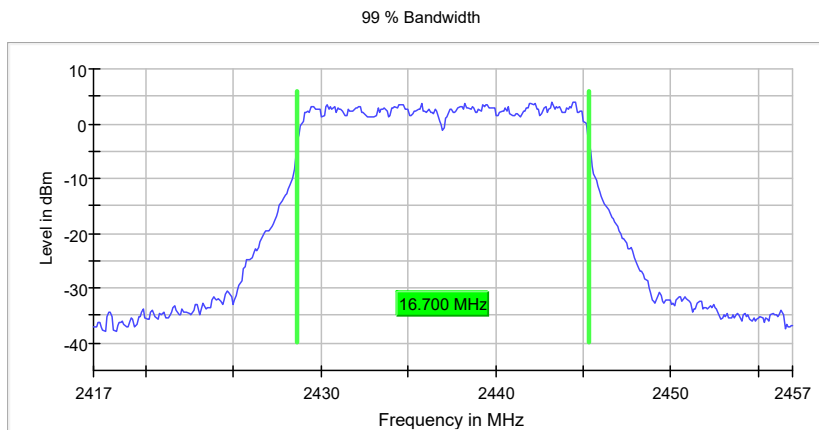
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000 | 16.700000 | --- | --- | 2428.650000 | 2445.350000 |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|----------------|
| Start Frequency | 2.41700 GHz | 2.41700 GHz |
| Stop Frequency | 2.45700 GHz | 2.45700 GHz |
| Span | 40.000 MHz | 40.000 MHz |
| RBW | 200.000 kHz | >= 200.000 kHz |
| VBW | 1.000 MHz | >= 600.000 kHz |
| SweepPoints | 400 | ~ 400 |
| Sweeptime | 47.266 µs | AUTO |
| Reference Level | 10.000 dBm | 10.000 dBm |
| Attenuation | 30.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | FFT | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.30 dB | 0.30 dB |
| Run | 30 / max. 150 | max. 150 |
| Stable | 3 / 3 | 3 |
| Max Stable Difference | 0.28 dB | 0.30 dB |

Occupied Channel Bandwidth 99% (2462 MHz; 30.000 dBm; 20 MHz(11g_20MHz))

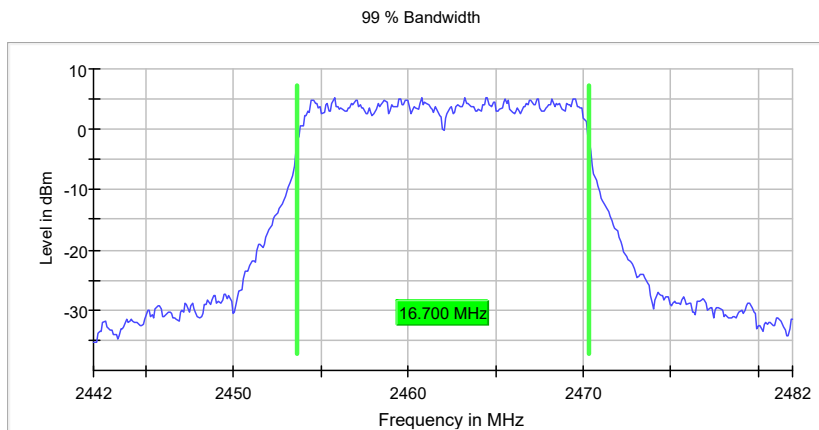
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000 | 16.700000 | --- | --- | 2453.650000 | 2470.350000 |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|----------------|
| Start Frequency | 2.44200 GHz | 2.44200 GHz |
| Stop Frequency | 2.48200 GHz | 2.48200 GHz |
| Span | 40.000 MHz | 40.000 MHz |
| RBW | 200.000 kHz | >= 200.000 kHz |
| VBW | 1.000 MHz | >= 600.000 kHz |
| SweepPoints | 400 | ~ 400 |
| Sweeptime | 47.266 µs | AUTO |
| Reference Level | 10.000 dBm | 10.000 dBm |
| Attenuation | 30.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | FFT | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.30 dB | 0.30 dB |
| Run | 45 / max. 150 | max. 150 |
| Stable | 3 / 3 | 3 |
| Max Stable Difference | 0.00 dB | 0.30 dB |

Wi-Fi 802.11 n(HT20) mode

Occupied Channel Bandwidth 99% (2412 MHz; 30.000 dBm; 20 MHz(11n_20MHz))

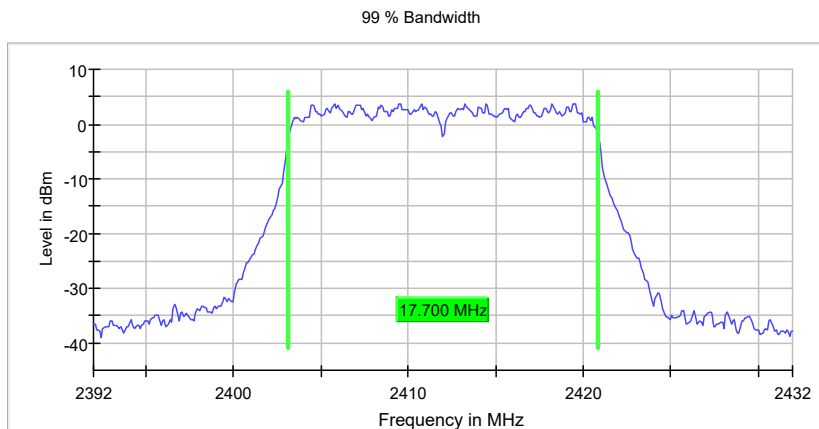
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000 | 17.700000 | --- | --- | 2403.150000 | 2420.850000 |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|----------------|
| Start Frequency | 2.39200 GHz | 2.39200 GHz |
| Stop Frequency | 2.43200 GHz | 2.43200 GHz |
| Span | 40.000 MHz | 40.000 MHz |
| RBW | 200.000 kHz | >= 200.000 kHz |
| VBW | 1.000 MHz | >= 600.000 kHz |
| SweepPoints | 400 | ~ 400 |
| SweepTime | 47.266 µs | AUTO |
| Reference Level | 10.000 dBm | 10.000 dBm |
| Attenuation | 30.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | FFT | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.30 dB | 0.30 dB |
| Run | 35 / max. 150 | max. 150 |
| Stable | 3 / 3 | 3 |
| Max Stable Difference | 0.08 dB | 0.30 dB |

Occupied Channel Bandwidth 99% (2437 MHz; 30.000 dBm; 20 MHz(11n_20MHz))

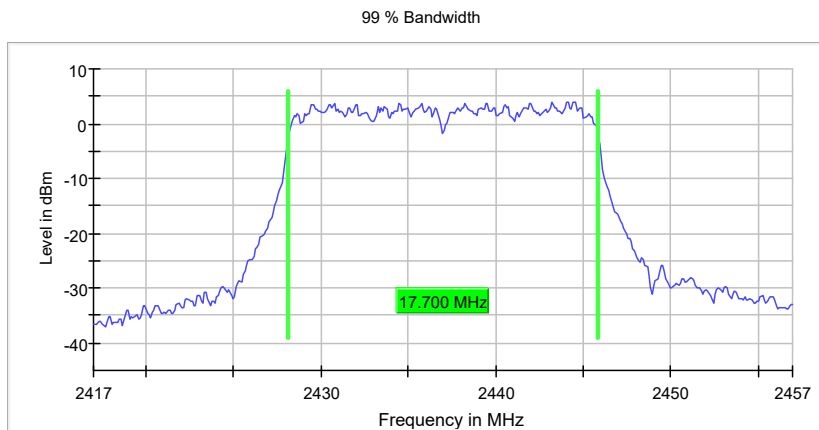
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000 | 17.700000 | --- | --- | 2428.150000 | 2445.850000 |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|----------------|
| Start Frequency | 2.41700 GHz | 2.41700 GHz |
| Stop Frequency | 2.45700 GHz | 2.45700 GHz |
| Span | 40.000 MHz | 40.000 MHz |
| RBW | 200.000 kHz | >= 200.000 kHz |
| VBW | 1.000 MHz | >= 600.000 kHz |
| SweepPoints | 400 | ~ 400 |
| Sweeptime | 47.266 µs | AUTO |
| Reference Level | 10.000 dBm | 10.000 dBm |
| Attenuation | 30.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | FFT | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.30 dB | 0.30 dB |
| Run | 27 / max. 150 | max. 150 |
| Stable | 3 / 3 | 3 |
| Max Stable Difference | 0.16 dB | 0.30 dB |

Occupied Channel Bandwidth 99% (2462 MHz; 30.000 dBm; 20 MHz(11n_20MHz))

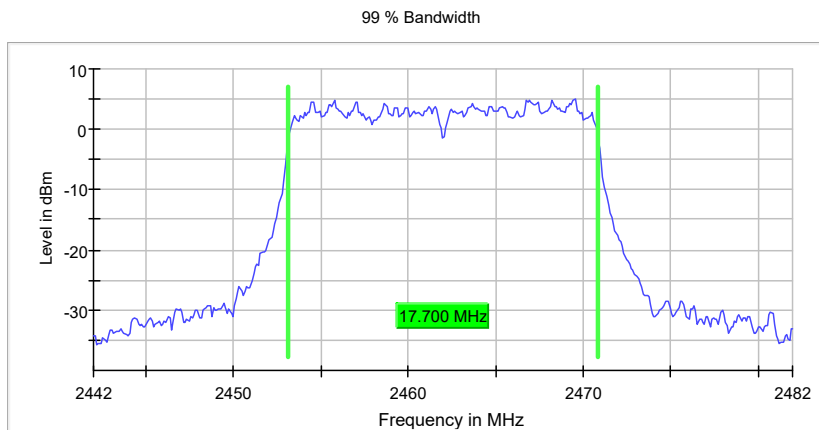
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000 | 17.700000 | --- | --- | 2453.150000 | 2470.850000 |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|----------------|
| Start Frequency | 2.44200 GHz | 2.44200 GHz |
| Stop Frequency | 2.48200 GHz | 2.48200 GHz |
| Span | 40.000 MHz | 40.000 MHz |
| RBW | 200.000 kHz | >= 200.000 kHz |
| VBW | 1.000 MHz | >= 600.000 kHz |
| SweepPoints | 400 | ~ 400 |
| Sweeptime | 47.266 µs | AUTO |
| Reference Level | 10.000 dBm | 10.000 dBm |
| Attenuation | 30.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| SweepType | FFT | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.30 dB | 0.30 dB |
| Run | 8 / max. 150 | max. 150 |
| Stable | 3 / 3 | 3 |
| Max Stable Difference | 0.00 dB | 0.30 dB |

Wi-Fi 802.11 n(HT40) mode

Occupied Channel Bandwidth 99% (2422 MHz; 30.000 dBm; 11n_40 MHz)

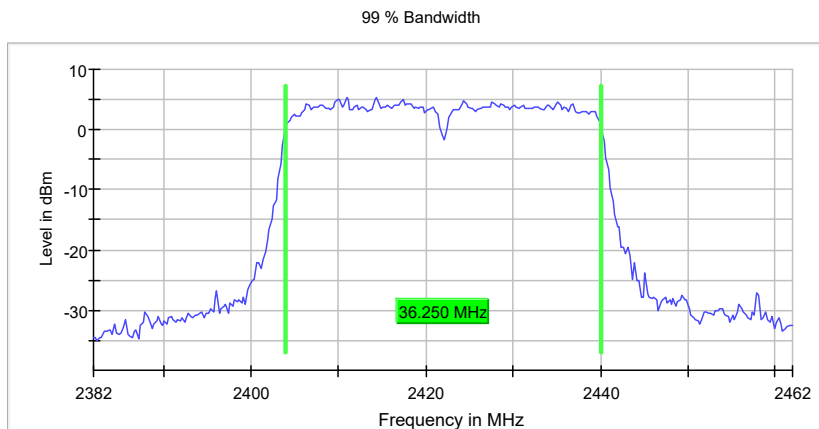
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2422.000000 | 36.250000 | --- | --- | 2403.875000 | 2440.125000 |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2422.000000 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|----------------|
| Start Frequency | 2.38200 GHz | 2.38200 GHz |
| Stop Frequency | 2.46200 GHz | 2.46200 GHz |
| Span | 80.000 MHz | 80.000 MHz |
| RBW | 500.000 kHz | >= 400.000 kHz |
| VBW | 2.000 MHz | >= 1.500 MHz |
| SweepPoints | 320 | ~ 320 |
| SweepTime | 1.000 ms | AUTO |
| Reference Level | 10.000 dBm | 10.000 dBm |
| Attenuation | 30.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | Sweep | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.30 dB | 0.30 dB |
| Run | 27 / max. 150 | max. 150 |
| Stable | 3 / 3 | 3 |
| Max Stable Difference | 0.27 dB | 0.30 dB |

Occupied Channel Bandwidth 99% (2437 MHz; 30.000 dBm; 11n_40 MHz)

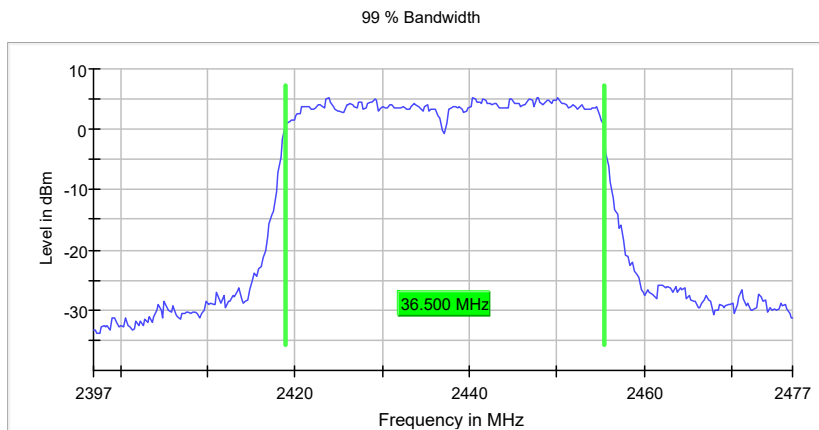
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000 | 36.500000 | --- | --- | 2418.875000 | 2455.375000 |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000 | PASS |



Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|----------------|
| Start Frequency | 2.39700 GHz | 2.39700 GHz |
| Stop Frequency | 2.47700 GHz | 2.47700 GHz |
| Span | 80.000 MHz | 80.000 MHz |
| RBW | 500.000 kHz | >= 400.000 kHz |
| VBW | 2.000 MHz | >= 1.500 MHz |
| SweepPoints | 320 | ~ 320 |
| Sweeptime | 1.000 ms | AUTO |
| Reference Level | 10.000 dBm | 10.000 dBm |
| Attenuation | 30.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | Sweep | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.30 dB | 0.30 dB |
| Run | 30 / max. 150 | max. 150 |
| Stable | 3 / 3 | 3 |
| Max Stable Difference | 0.11 dB | 0.30 dB |

Occupied Channel Bandwidth 99% (2452 MHz; 30.000 dBm; 11n_40 MHz)

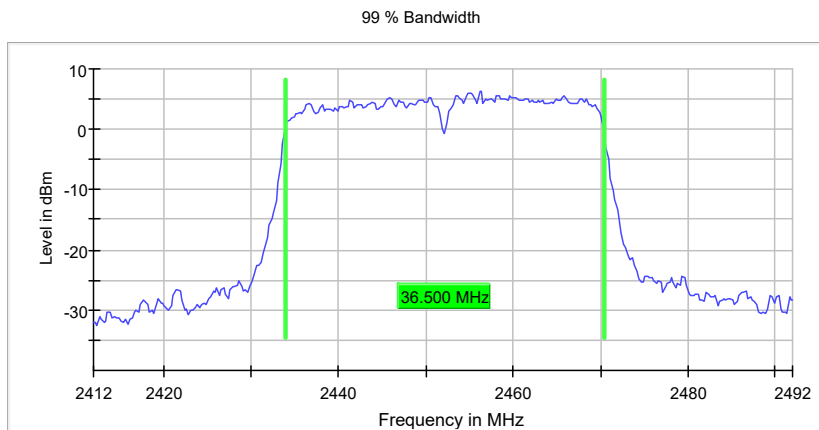
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2452.000000 | 36.500000 | --- | --- | 2433.875000 | 2470.375000 |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2452.000000 | PASS |



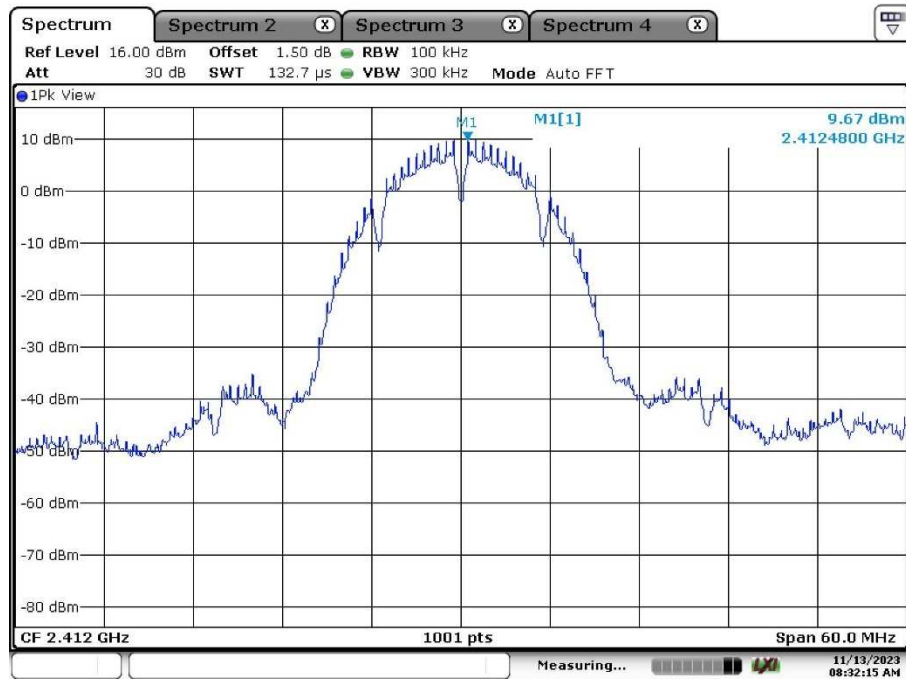
Measurement

| Setting | Instrument Value | Target Value |
|-----------------------|------------------|----------------|
| Start Frequency | 2.41200 GHz | 2.41200 GHz |
| Stop Frequency | 2.49200 GHz | 2.49200 GHz |
| Span | 80.000 MHz | 80.000 MHz |
| RBW | 500.000 kHz | >= 400.000 kHz |
| VBW | 2.000 MHz | >= 1.500 MHz |
| SweepPoints | 320 | ~ 320 |
| Sweeptime | 1.000 ms | AUTO |
| Reference Level | 10.000 dBm | 10.000 dBm |
| Attenuation | 30.000 dB | AUTO |
| Detector | MaxPeak | MaxPeak |
| SweepCount | 100 | 100 |
| Filter | 3 dB | 3 dB |
| Trace Mode | Max Hold | Max Hold |
| Sweeptype | Sweep | AUTO |
| Preamp | off | off |
| Stablemode | Trace | Trace |
| Stablevalue | 0.30 dB | 0.30 dB |
| Run | 24 / max. 150 | max. 150 |
| Stable | 3 / 3 | 3 |
| Max Stable Difference | 0.15 dB | 0.30 dB |

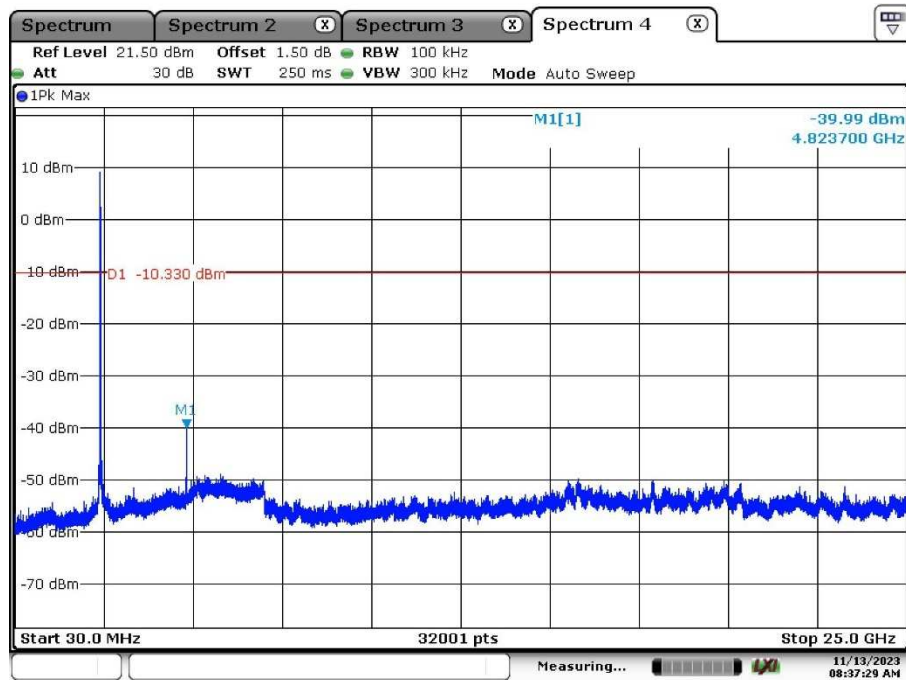
Appendix A.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Wi-Fi 802.11 b mode, Conducted Spurious Emission

Low Channel:

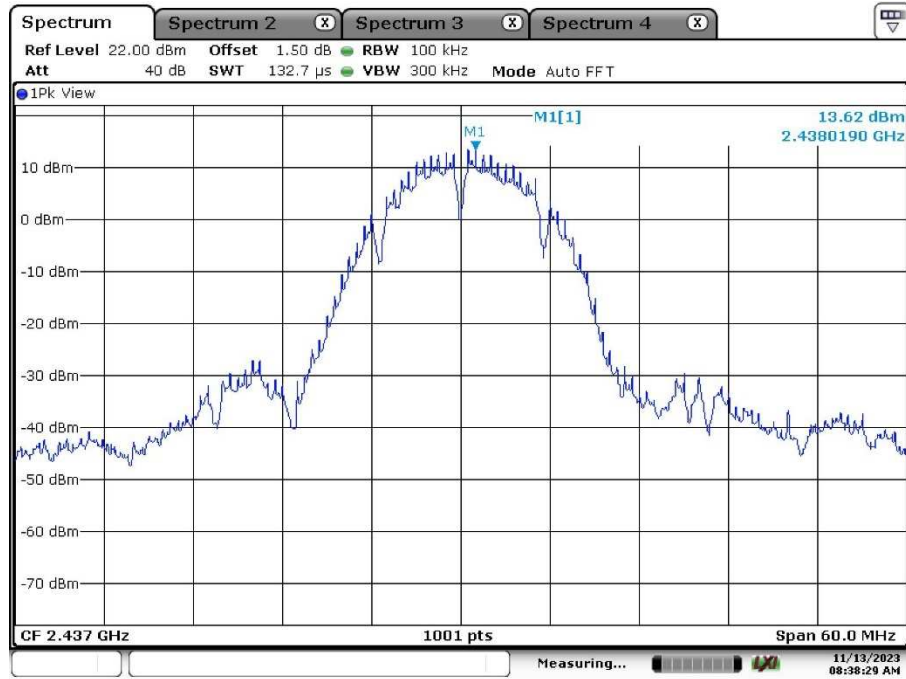


Date: 13.NOV.2023 08:32:15

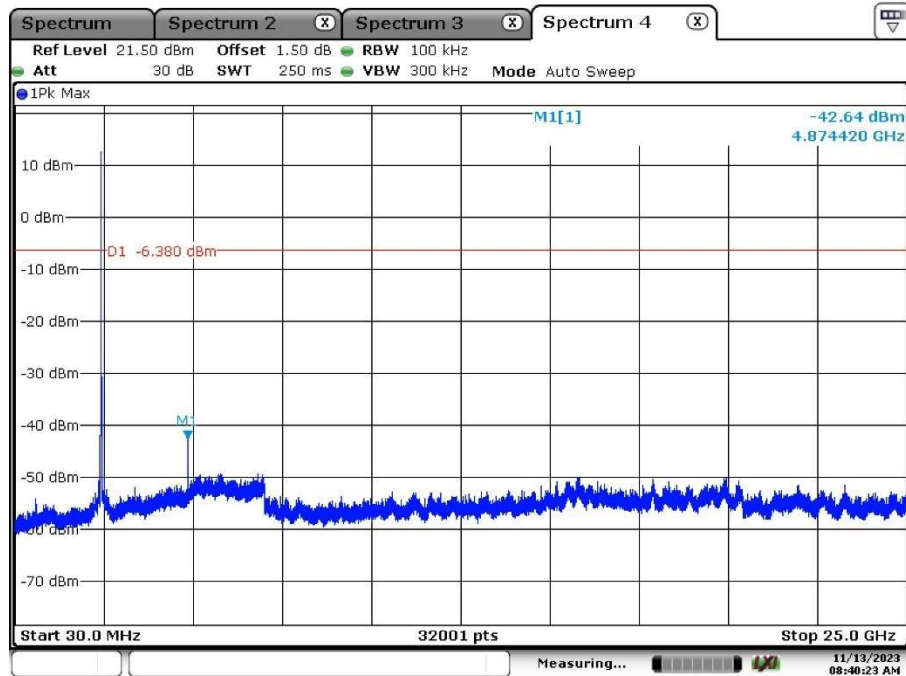


Date: 13.NOV.2023 08:37:29

Middle Channel:

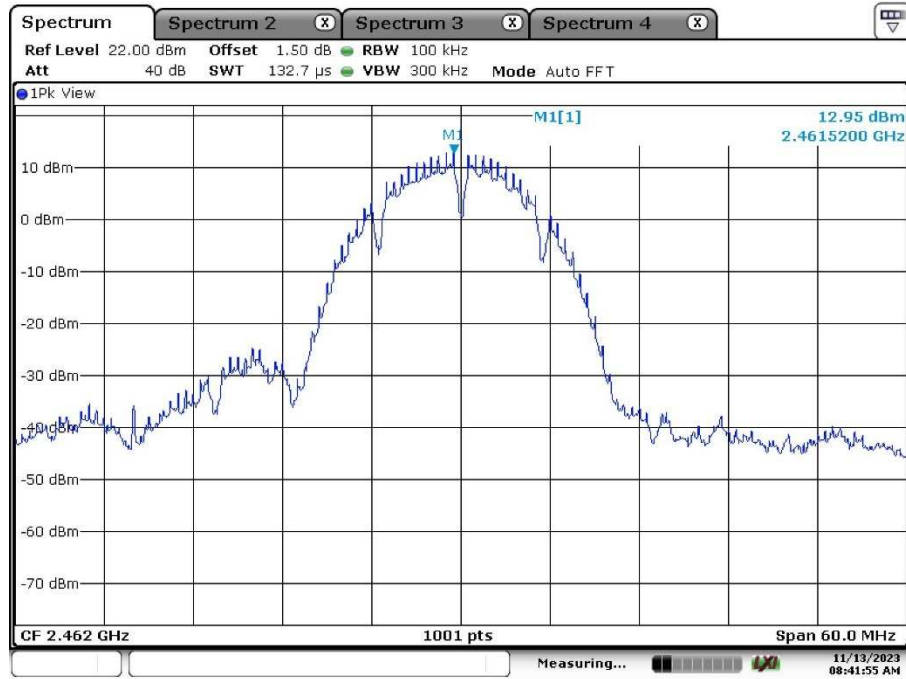


Date: 13.NOV.2023 08:38:29

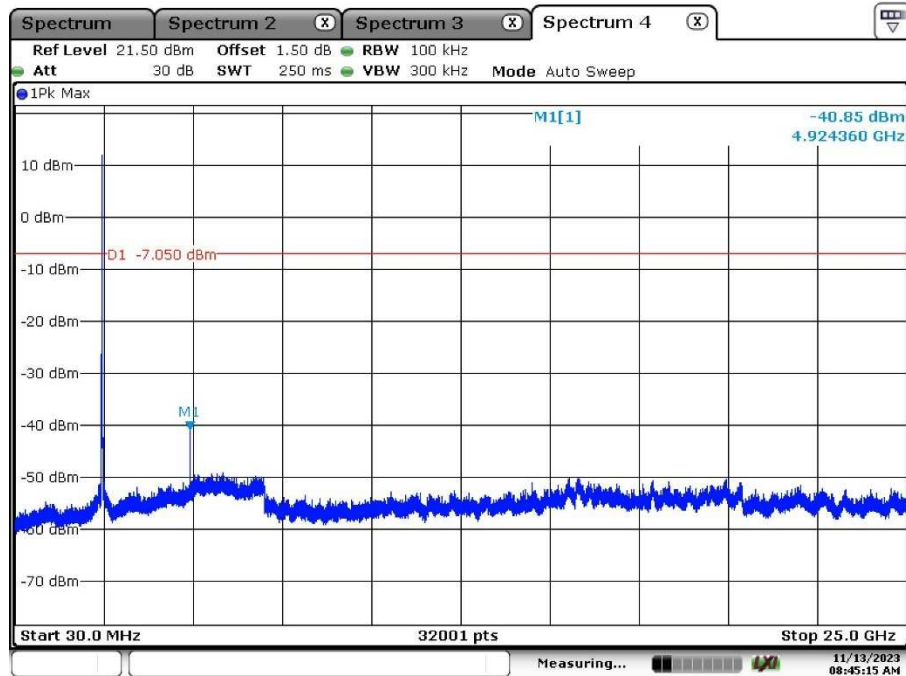


Date: 13.NOV.2023 08:40:23

High Channel:



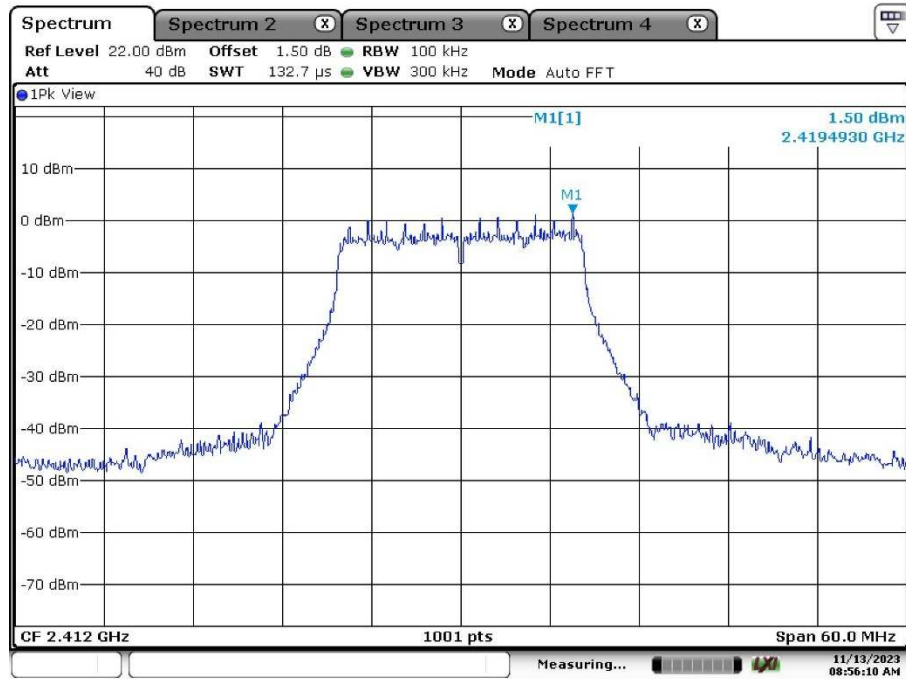
Date: 13.NOV.2023 08:41:55



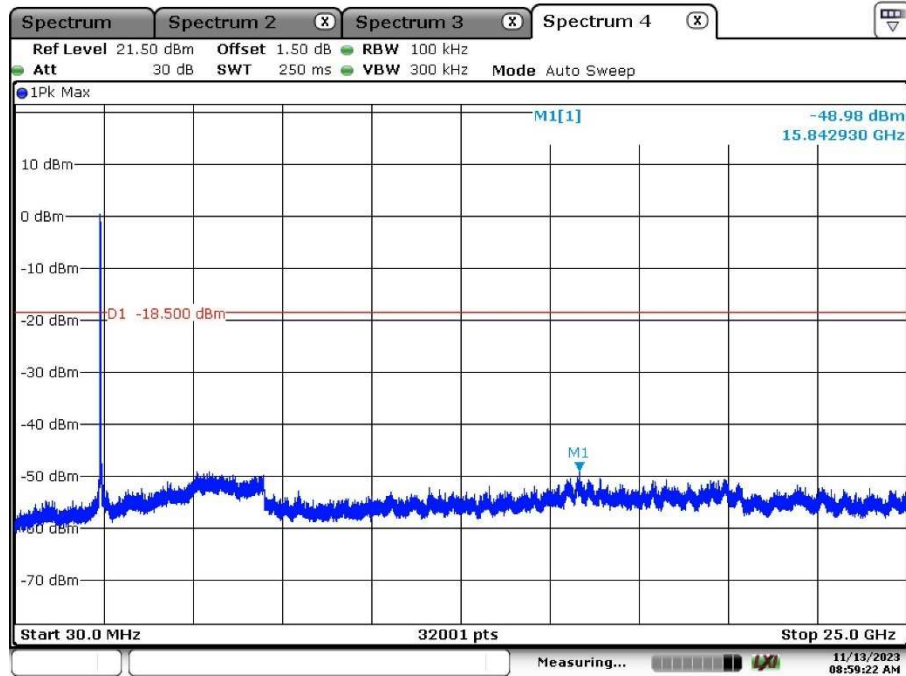
Date: 13.NOV.2023 08:45:15

Wi-Fi 802.11 g mode, Conducted Spurious Emission

Low Channel:

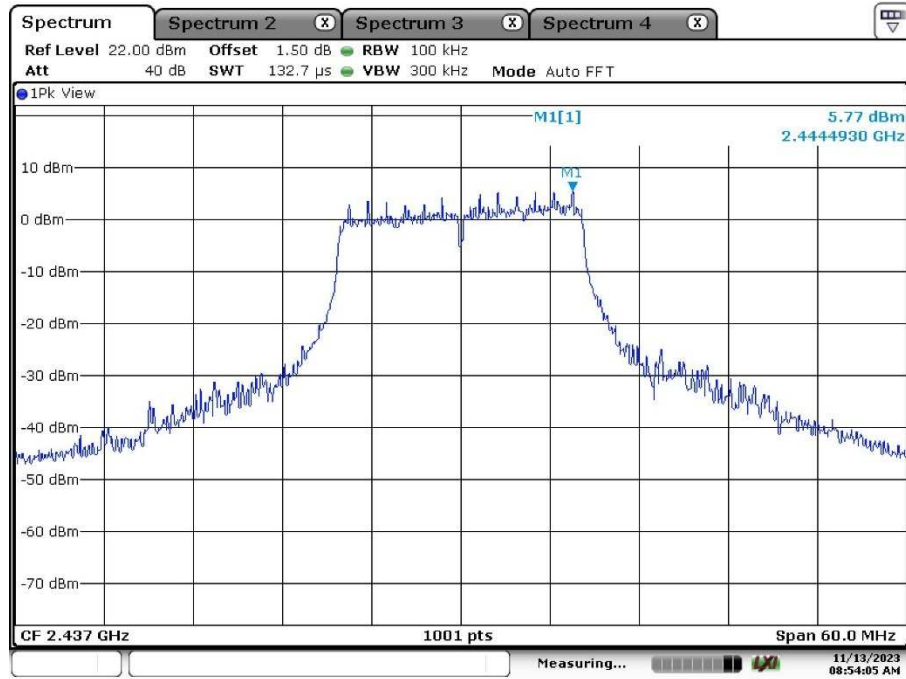


Date: 13.NOV.2023 08:56:10

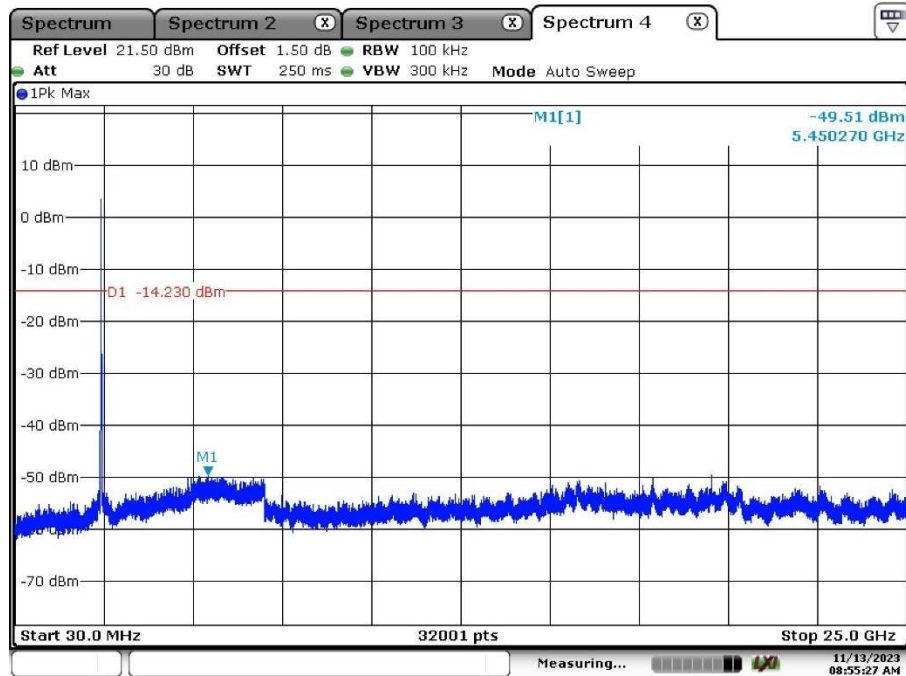


Date: 13.NOV.2023 08:59:22

Middle Channel:

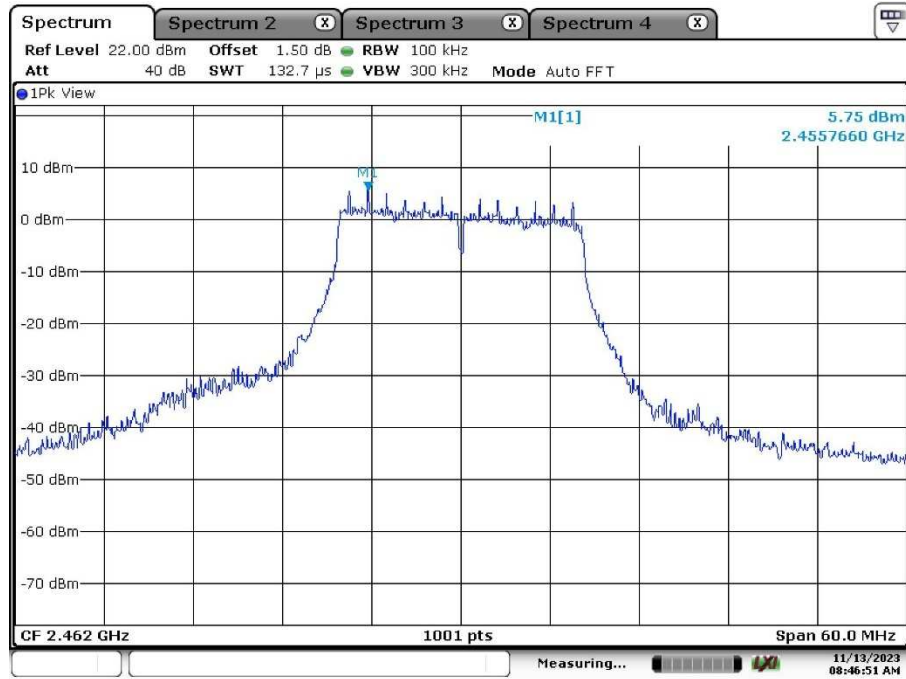


Date: 13.NOV.2023 08:54:05

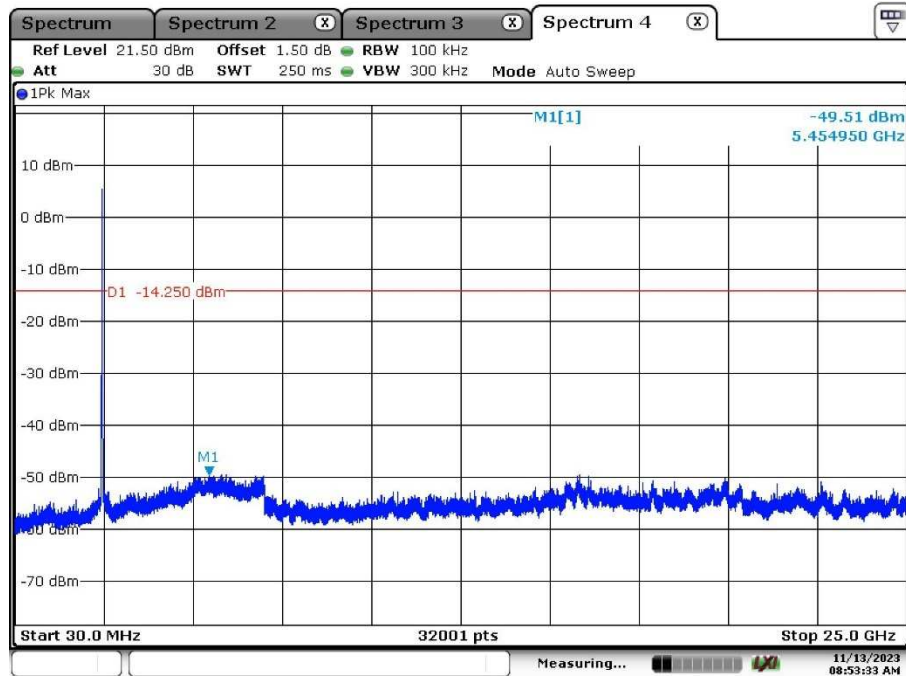


Date: 13.NOV.2023 08:55:27

High Channel:



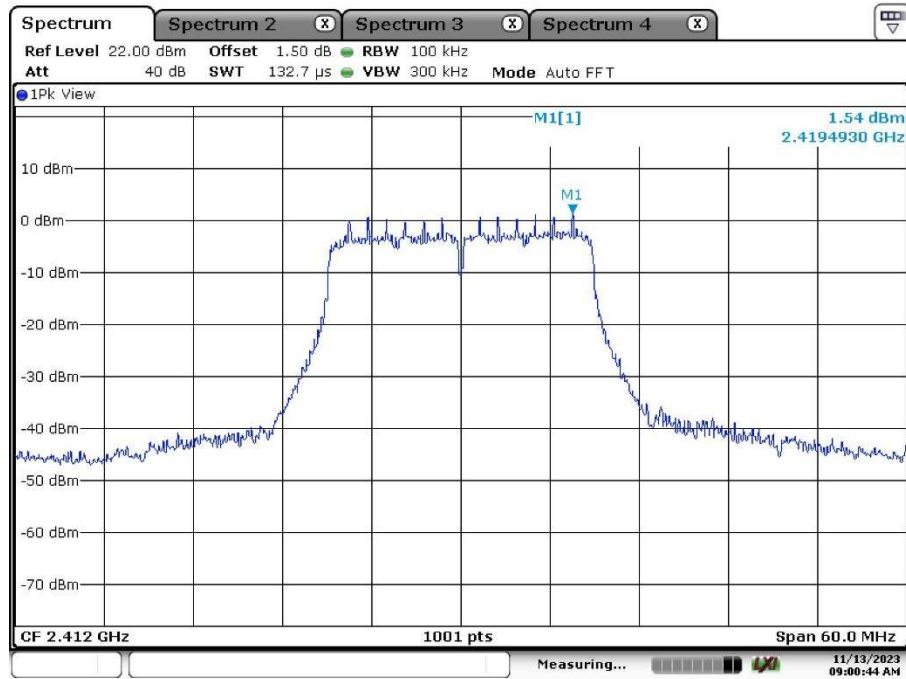
Date: 13.NOV.2023 08:46:51



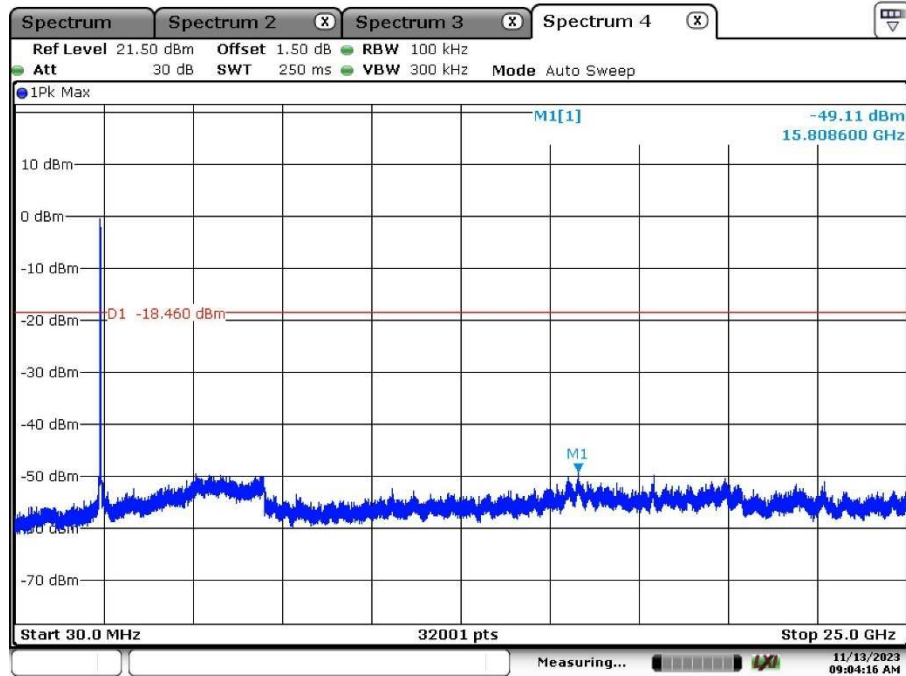
Date: 13.NOV.2023 08:53:33

Wi-Fi 802.11 n(HT20) mode, Conducted Spurious Emission

Low Channel:

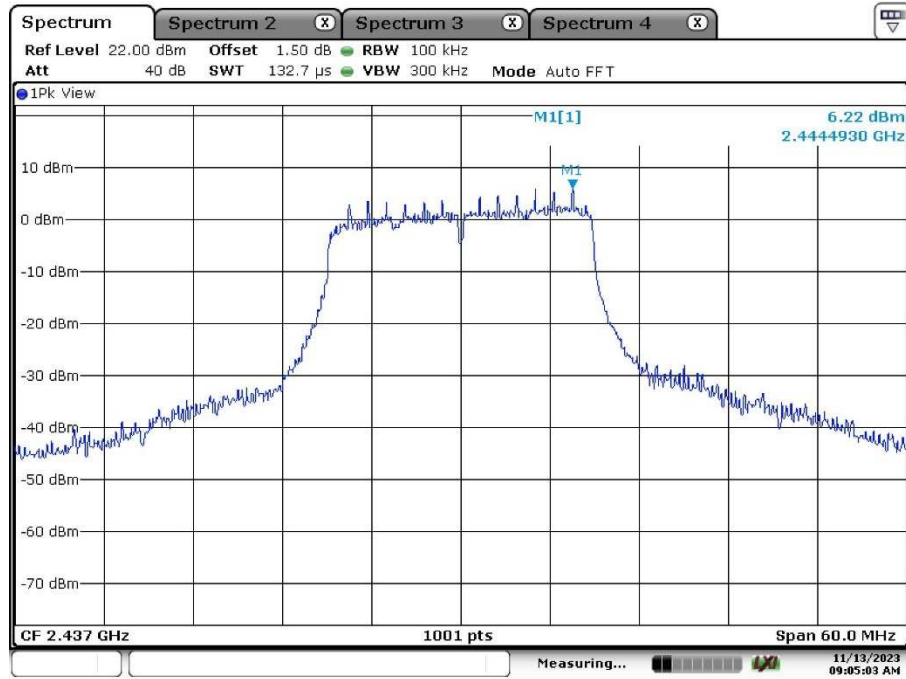


Date: 13.NOV.2023 09:00:44

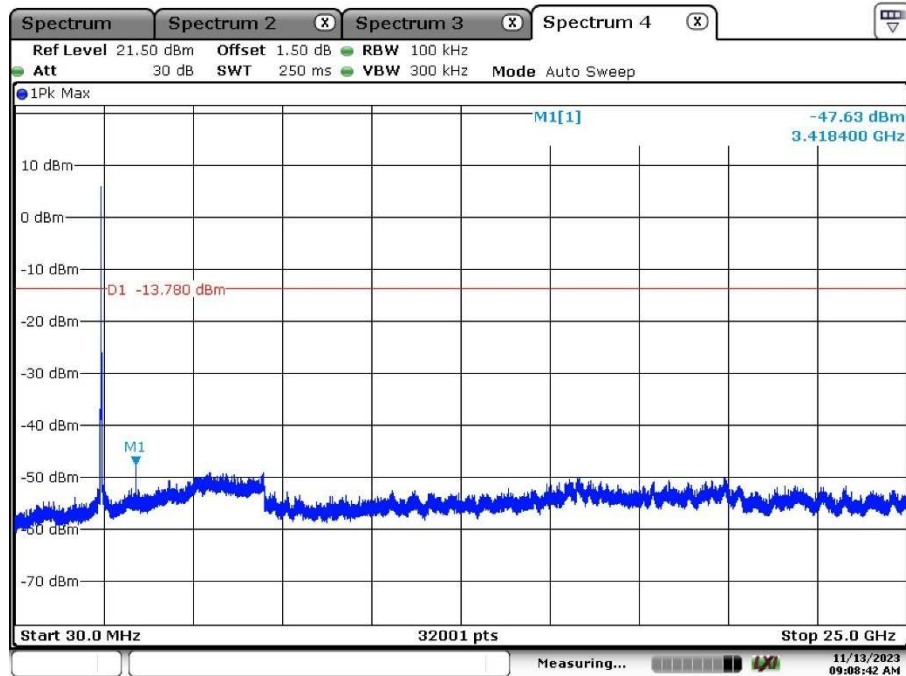


Date: 13.NOV.2023 09:04:16

Middle Channel:

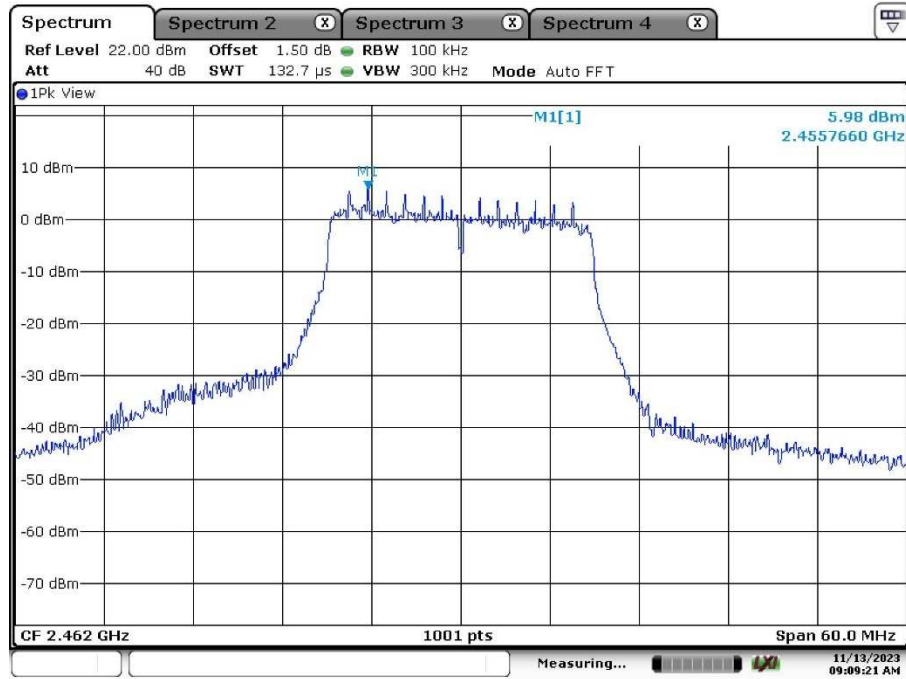


Date: 13.NOV.2023 09:05:03

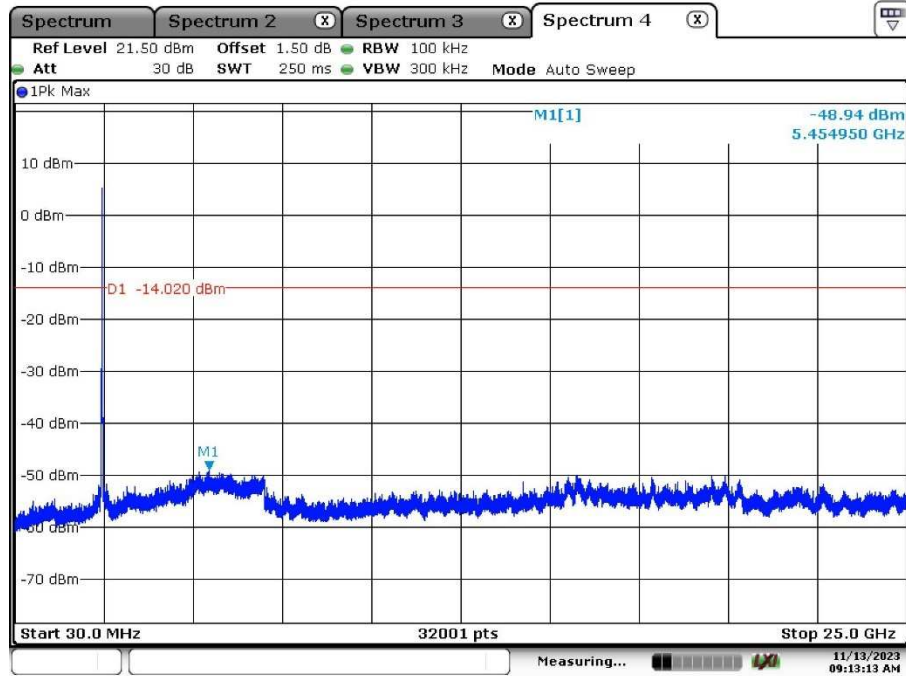


Date: 13.NOV.2023 09:08:42

High Channel:



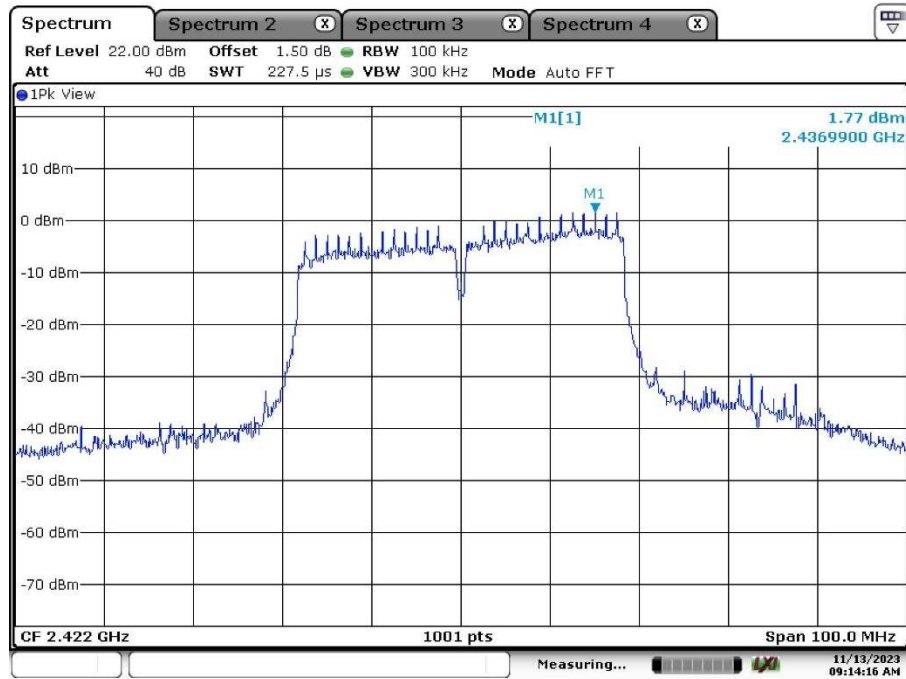
Date: 13.NOV.2023 09:09:21



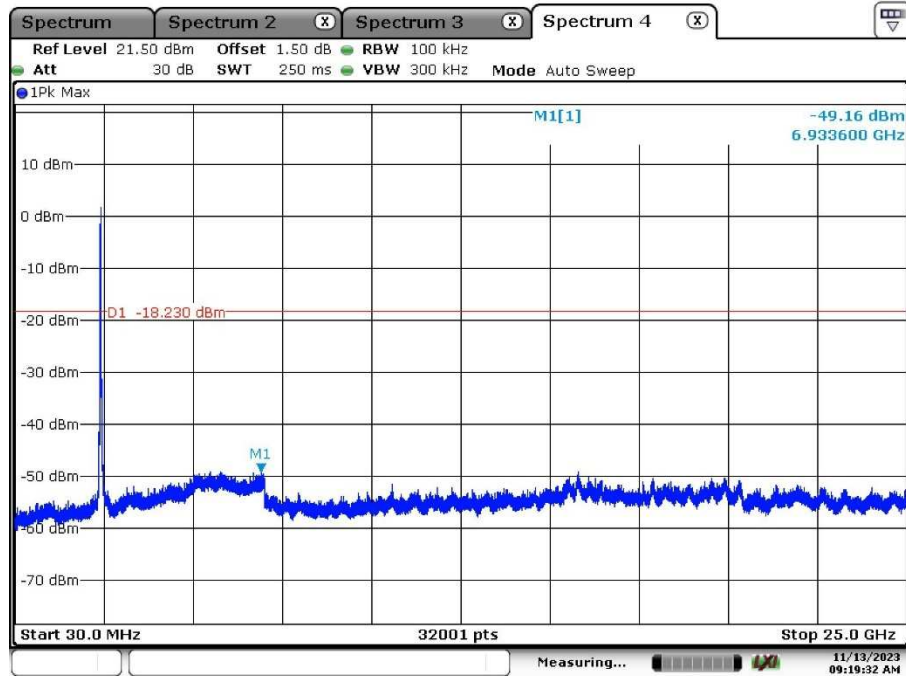
Date: 13.NOV.2023 09:13:13

Wi-Fi 802.11 n(HT40) mode, Conducted Spurious Emission

Low Channel:

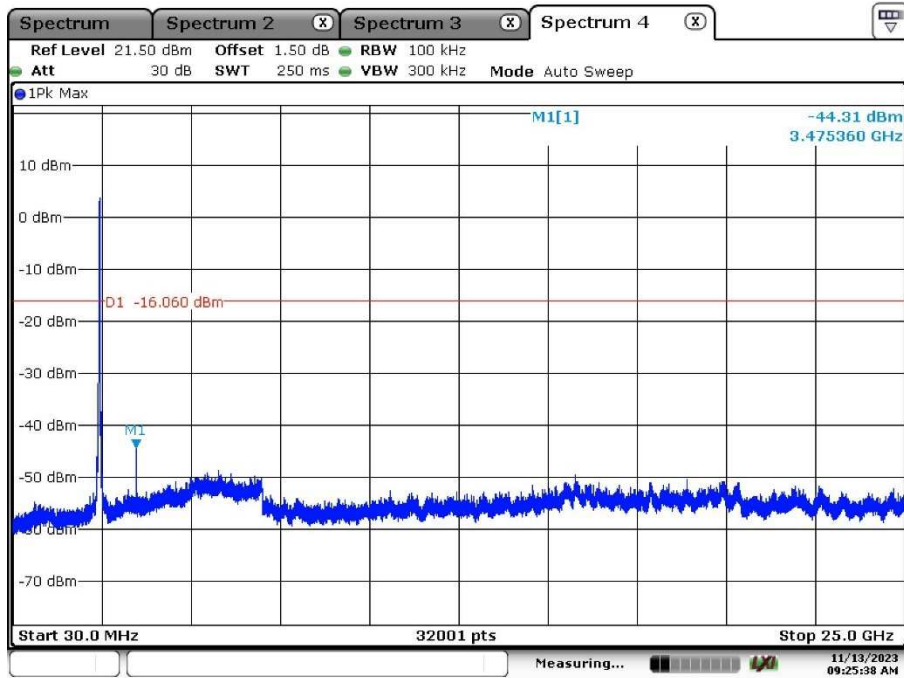
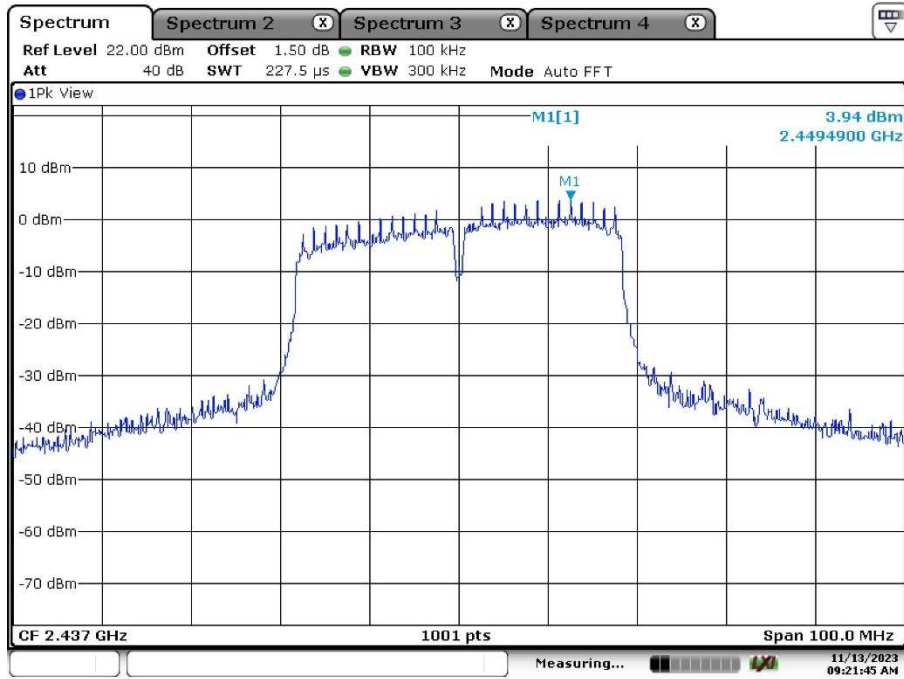


Date: 13.NOV.2023 09:14:16

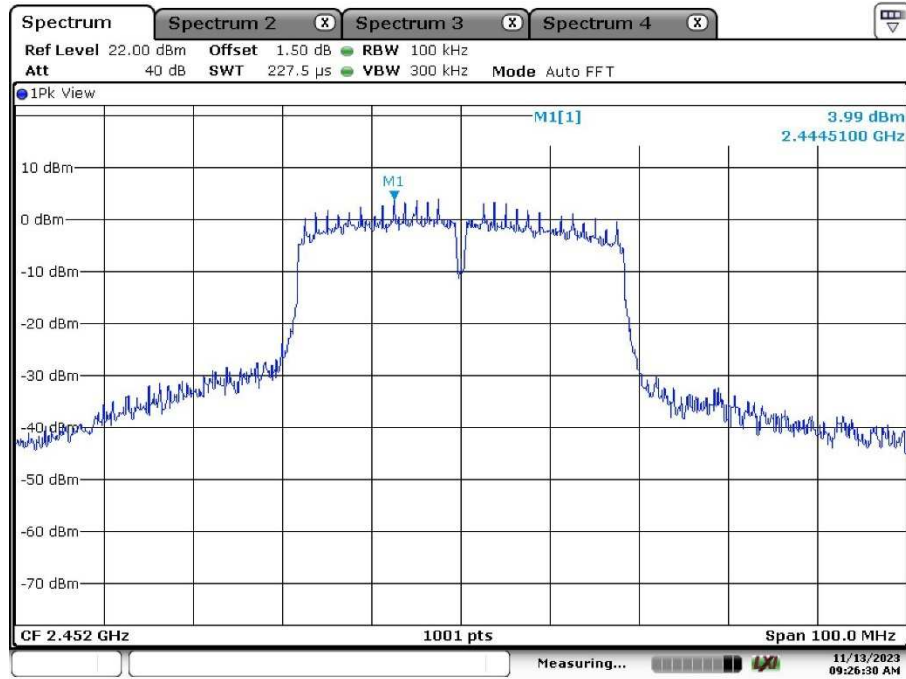


Date: 13.NOV.2023 09:19:32

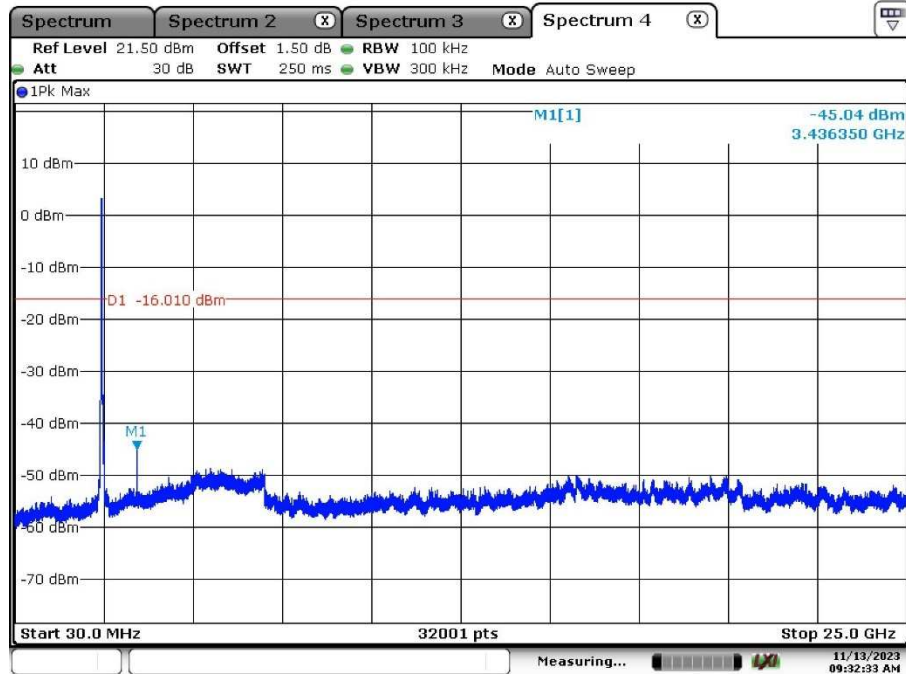
Middle Channel:



High Channel:



Date: 13.NOV.2023 09:26:30



Date: 13.NOV.2023 09:32:33

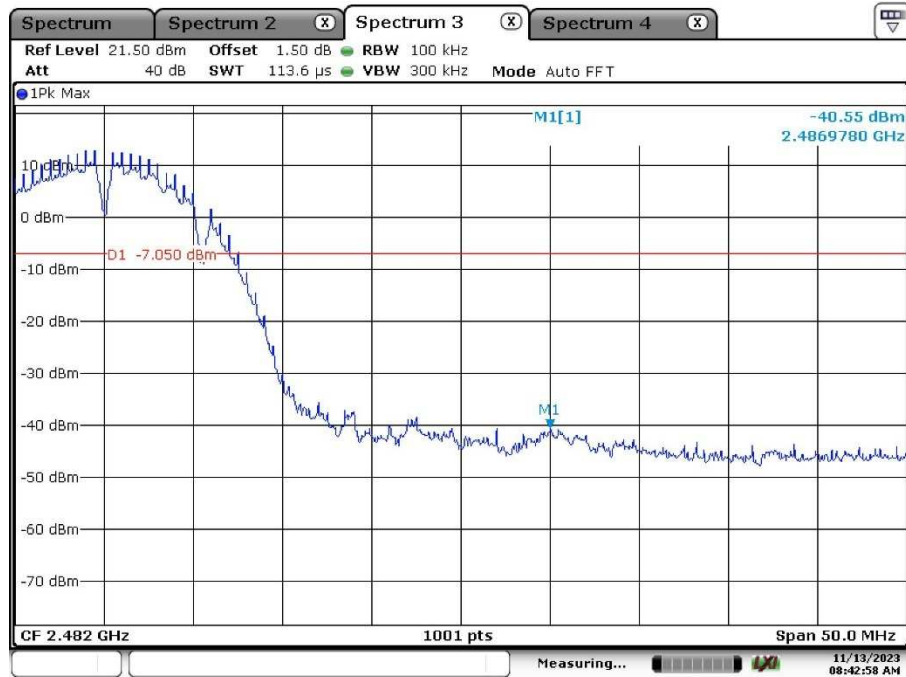
Wi-Fi 802.11 b mode, Band Edge

Low Channel:



Date: 13.NOV.2023 08:35:21

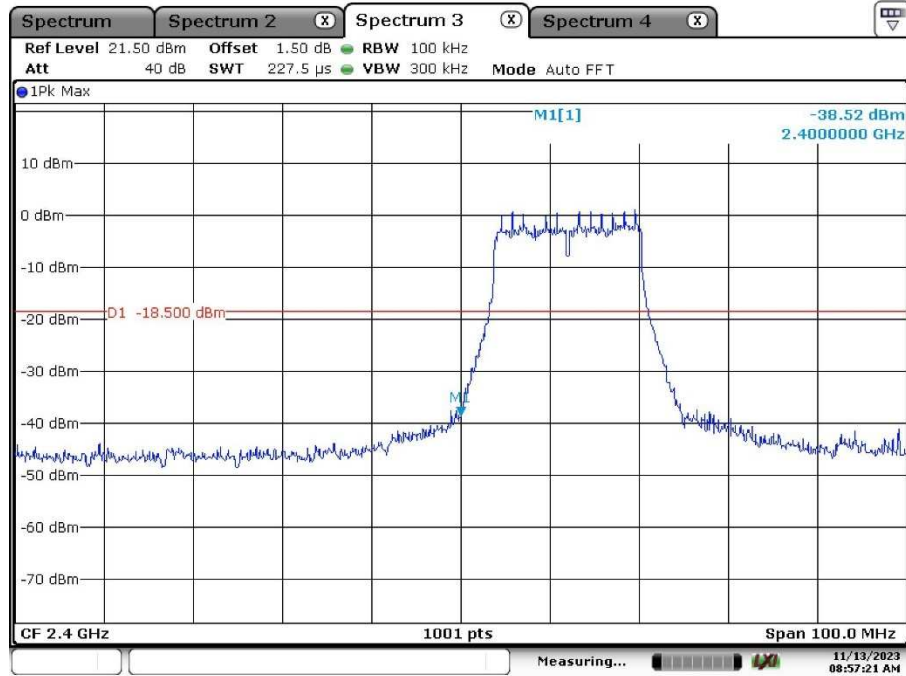
High Channel:



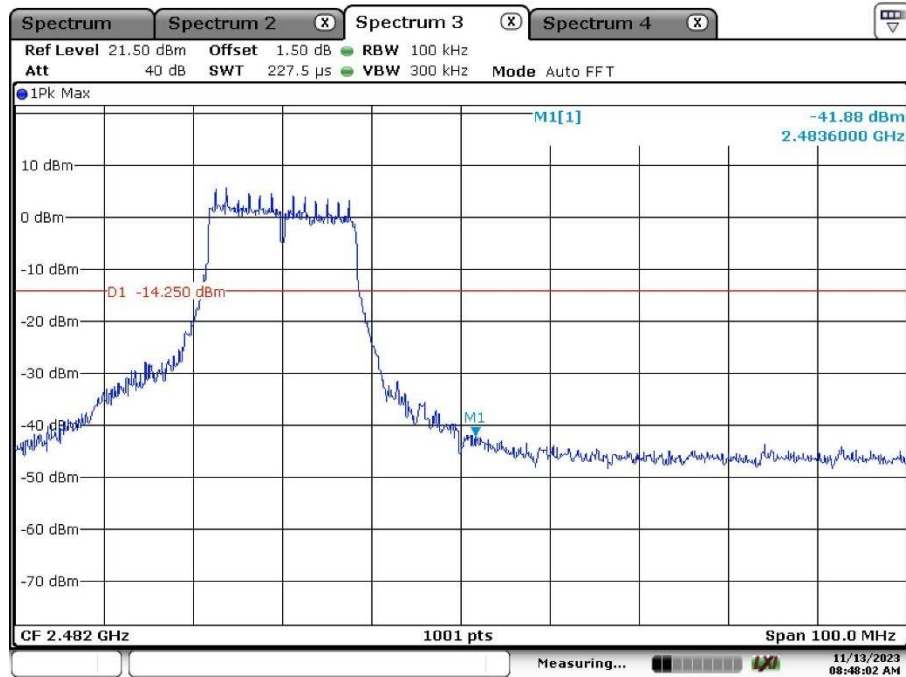
Date: 13.NOV.2023 08:42:58

Wi-Fi 802.11 g mode, Band Edge

Low Channel:

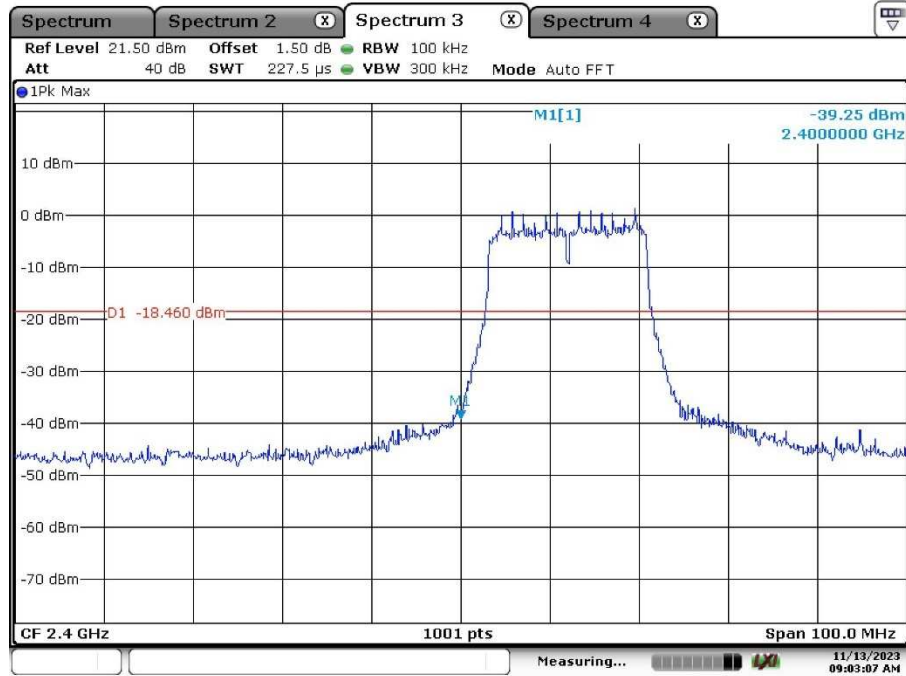


High Channel:

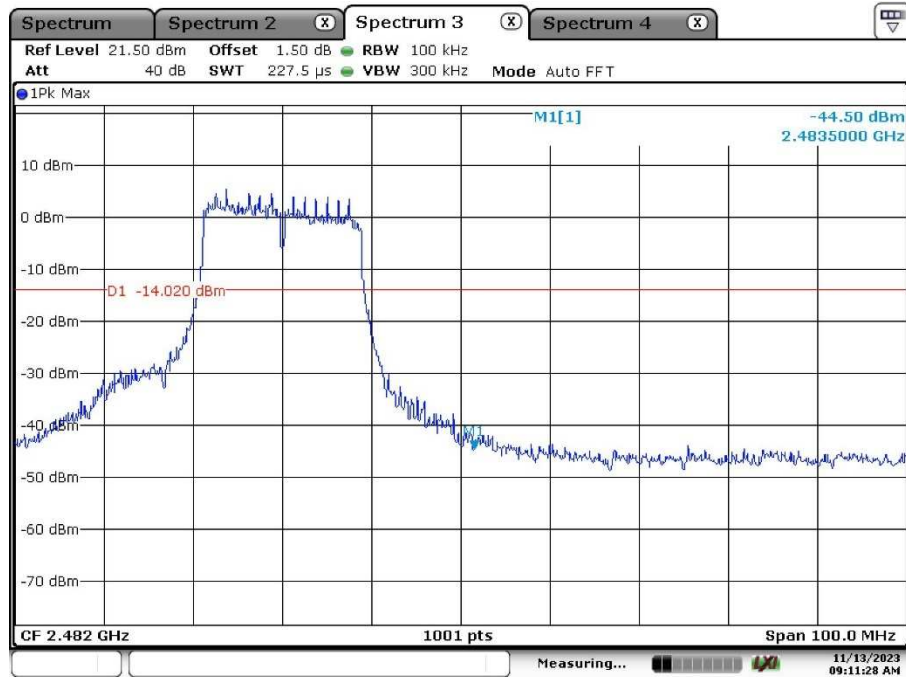


Wi-Fi 802.11 n(HT20) mode, Band Edge

Low Channel:

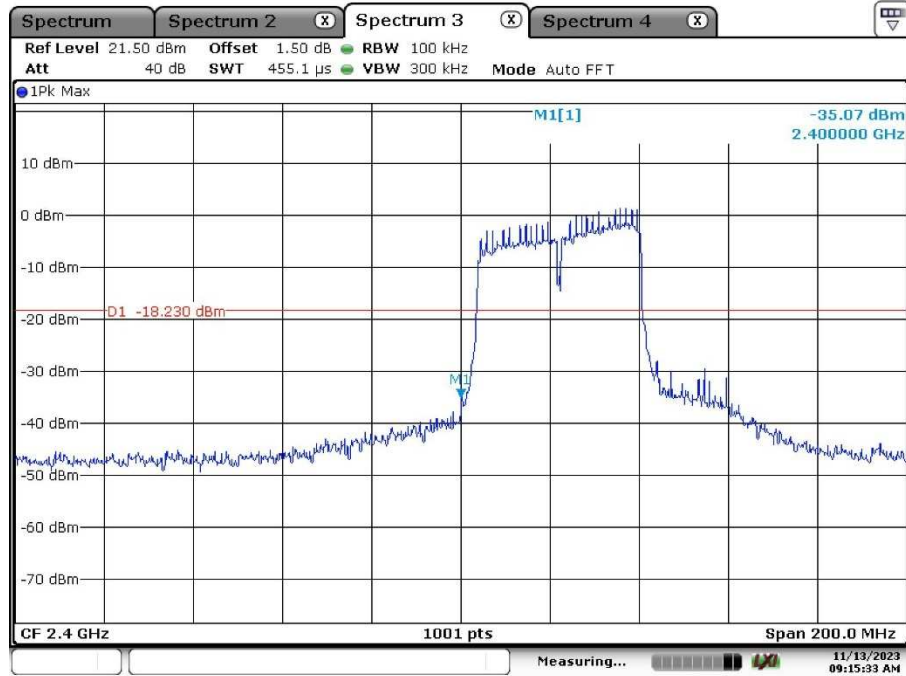


High Channel:



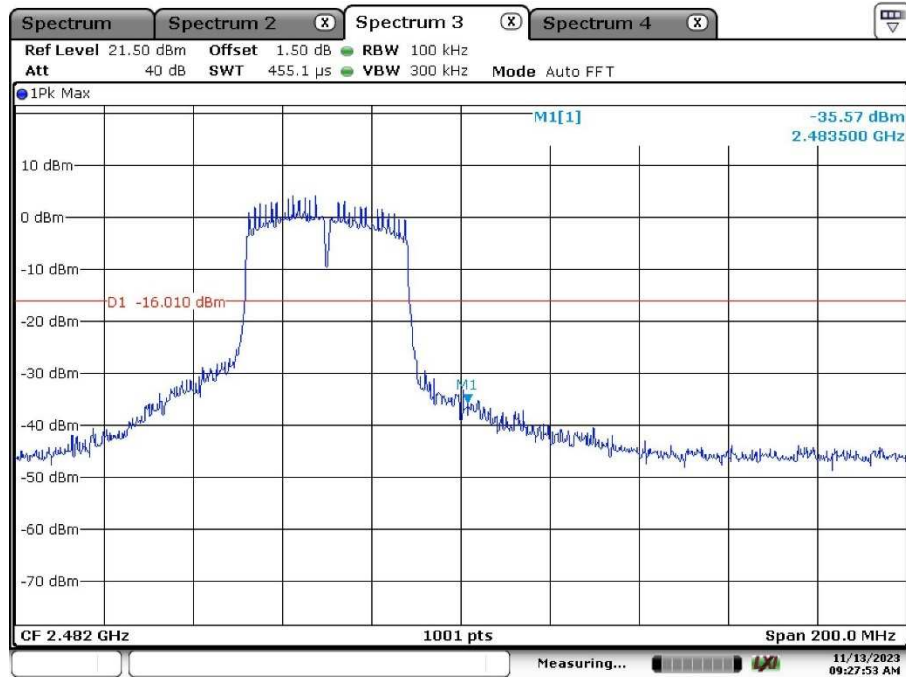
Wi-Fi 802.11 n(HT40) mode, Band Edge

Low Channel:



Date: 13.NOV.2023 09:15:33

High Channel:



Date: 13.NOV.2023 09:27:53

Appendix A.5: Test Results of Radiated Spurious Emissions

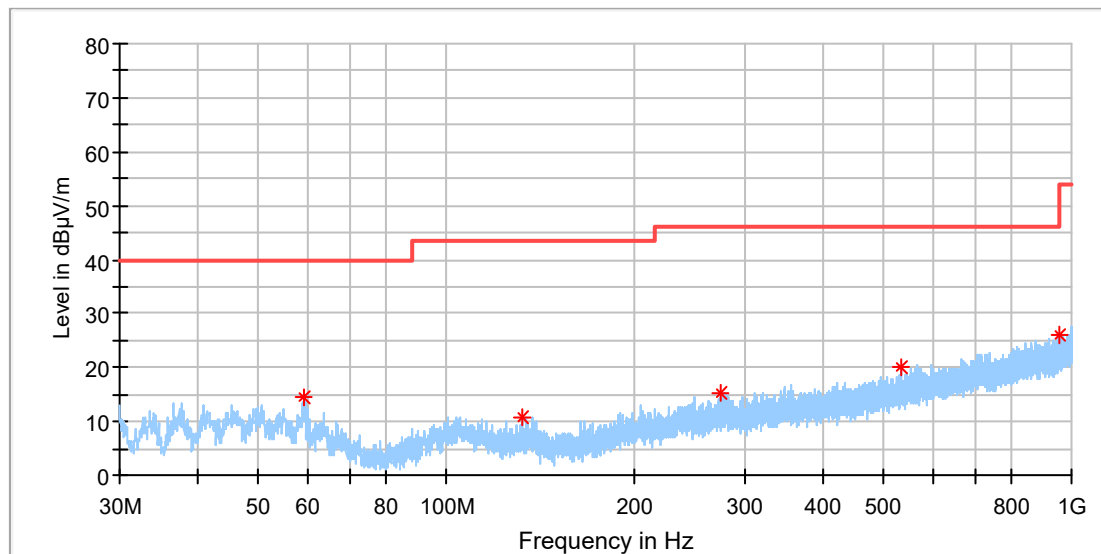
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz (Worst case)

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | Robotic Vacuum Cleaner |
| Model: | S82USV |
| Test Mode: | WIFI 2.4G_11b_Ch6 |
| Order No/Sample No: | 168448860/A003591695-001 |
| Test Voltage: | Battery |
| Remark: | Temp 23 Humi:56% |
| Test Standard: | FCC 15.247 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

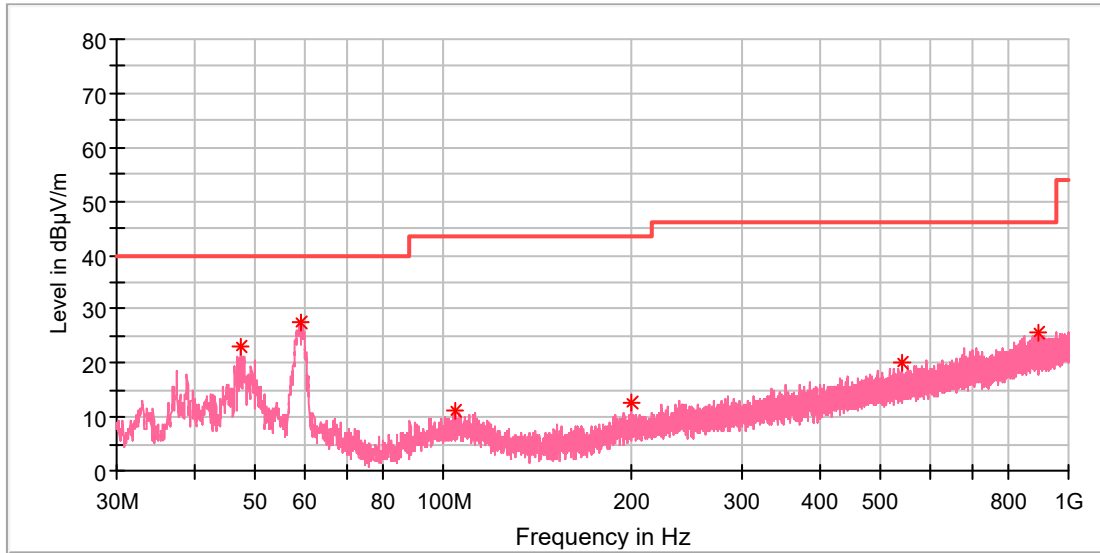
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 59.062692 | 14.47 | 40.00 | 25.53 | 100.0 | H | 42.0 | -19.2 |
| 132.223077 | 10.81 | 43.50 | 32.69 | 100.0 | H | 83.0 | -22.3 |
| 273.992308 | 15.27 | 46.00 | 30.73 | 100.0 | H | 213.0 | -17.2 |
| 532.609231 | 20.04 | 46.00 | 25.96 | 100.0 | H | 355.0 | -11.6 |
| 953.253462 | 25.96 | 46.00 | 20.04 | 100.0 | H | 35.0 | -4.8 |

Final Result

| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

| Frequency (MHz) | MaxiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|-------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 47.310769 | 23.04 | 40.00 | 16.96 | 100.0 | V | 70.0 | -18.8 |
| 59.062692 | 27.63 | 40.00 | 12.37 | 100.0 | V | 352.0 | -19.2 |
| 104.615385 | 11.30 | 43.50 | 32.20 | 100.0 | V | 0.0 | -19.1 |
| 199.451539 | 12.51 | 43.50 | 30.99 | 100.0 | V | 269.0 | -19.3 |
| 543.167308 | 19.91 | 46.00 | 26.09 | 100.0 | V | 295.0 | -11.4 |
| 895.874231 | 25.69 | 46.00 | 20.31 | 100.0 | V | 122.0 | -5.4 |

Final Result

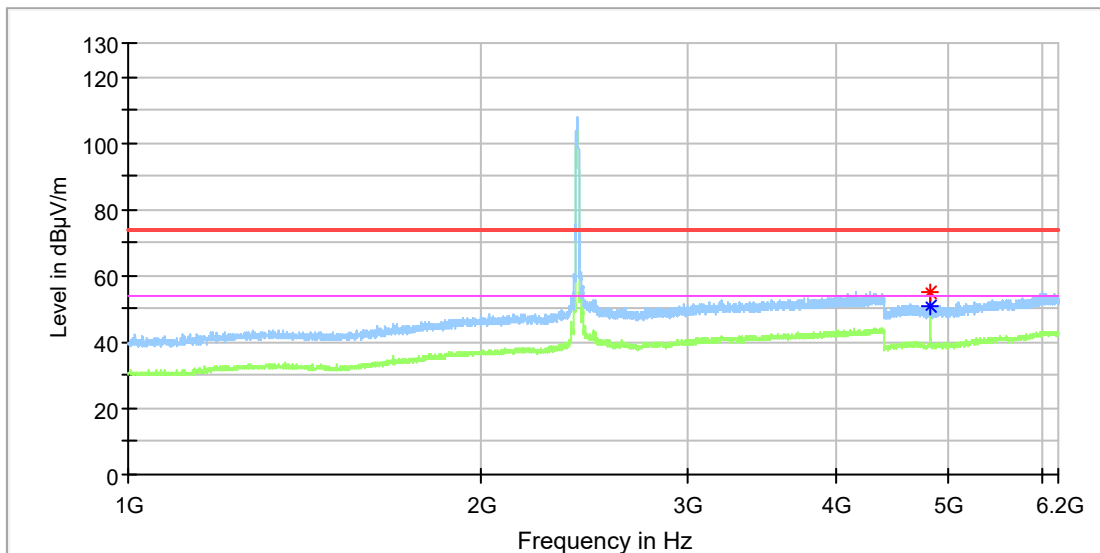
| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

1GHz - 18GHz

Note: The highest waveform in the figure is Wi-Fi Fundamental.

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | Robotic Vacuum Cleaner |
| Model: | S82USV |
| Test Mode: | WIFI 2.4G_11b_Ch1 |
| Order No/Sample No: | 168448860/A003591695-001 |
| Test Voltage: | Battery |
| Remark: | Temp 23 Humi:56% |
| Test Standard: | FCC 15.247 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical_Freqs

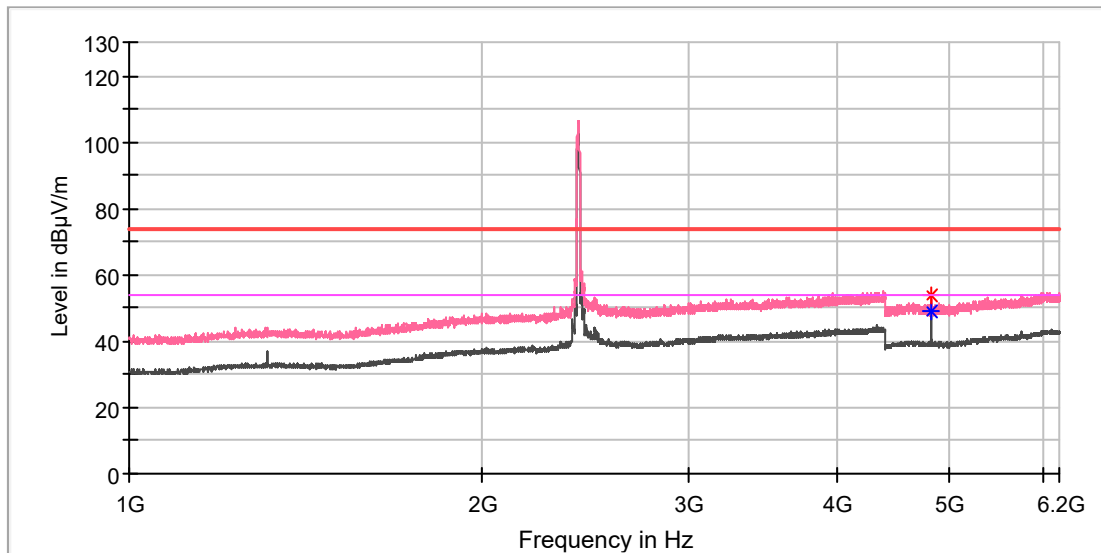
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4824.000000 | 54.93 | --- | 74.00 | 19.07 | 100.0 | H | 114.0 | 11.8 |
| 4824.000000 | --- | 50.85 | 54.00 | 3.15 | 100.0 | H | 114.0 | 11.8 |

Final_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

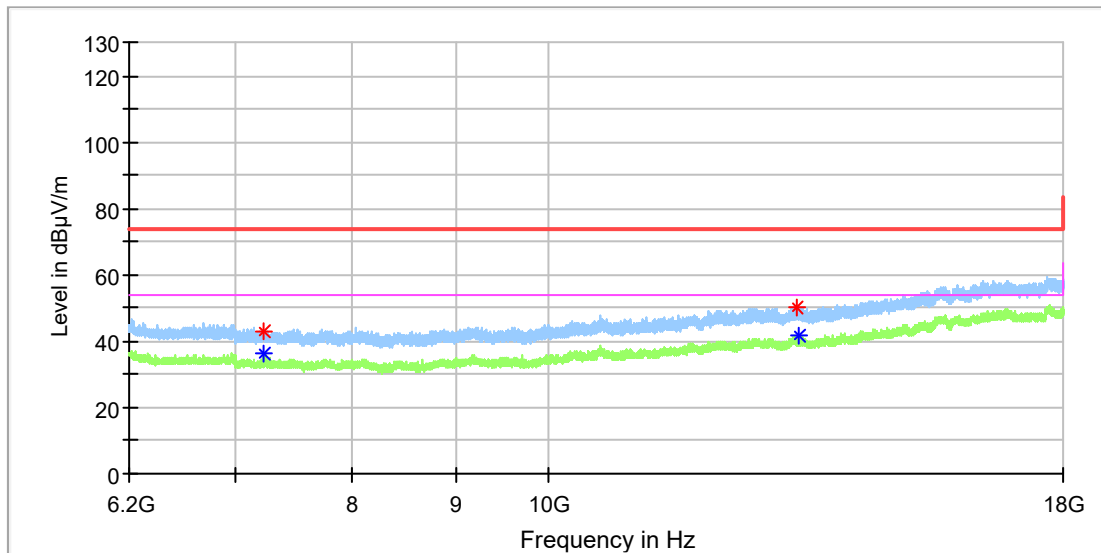
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4823.500000 | --- | 48.77 | 54.00 | 5.23 | 100.0 | V | 176.0 | 11.8 |
| 4823.500000 | 53.86 | --- | 74.00 | 20.14 | 100.0 | V | 253.0 | 11.8 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

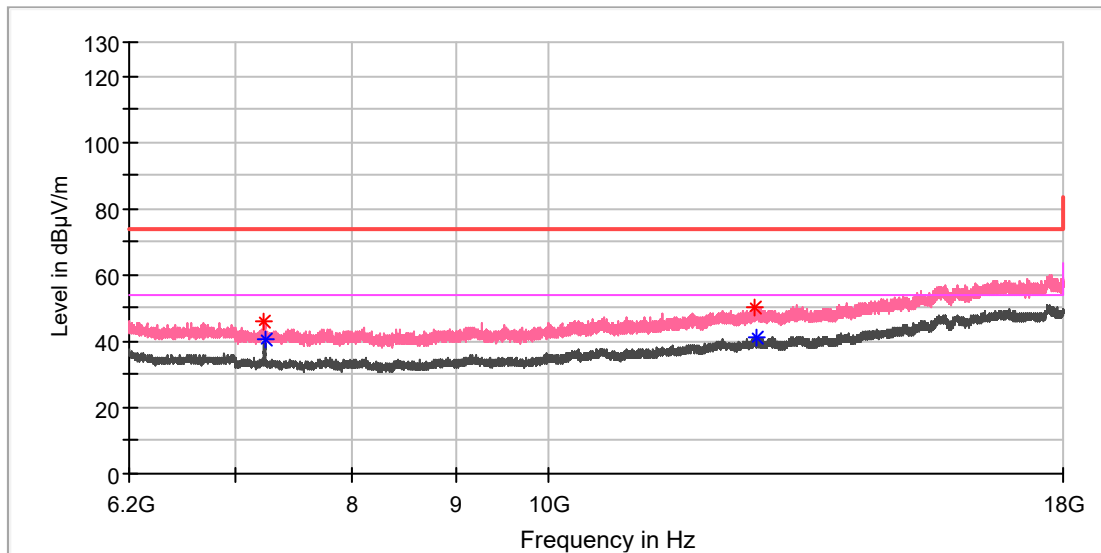
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7233.483333 | --- | 36.12 | 54.00 | 17.88 | 100.0 | H | 325.0 | 8.6 |
| 7234.466667 | 43.20 | --- | 74.00 | 30.80 | 100.0 | H | 32.0 | 8.6 |
| 13264.266667 | 49.95 | --- | 74.00 | 24.05 | 100.0 | H | 279.0 | 15.5 |
| 13296.716667 | --- | 41.73 | 54.00 | 12.27 | 100.0 | H | 279.0 | 15.5 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

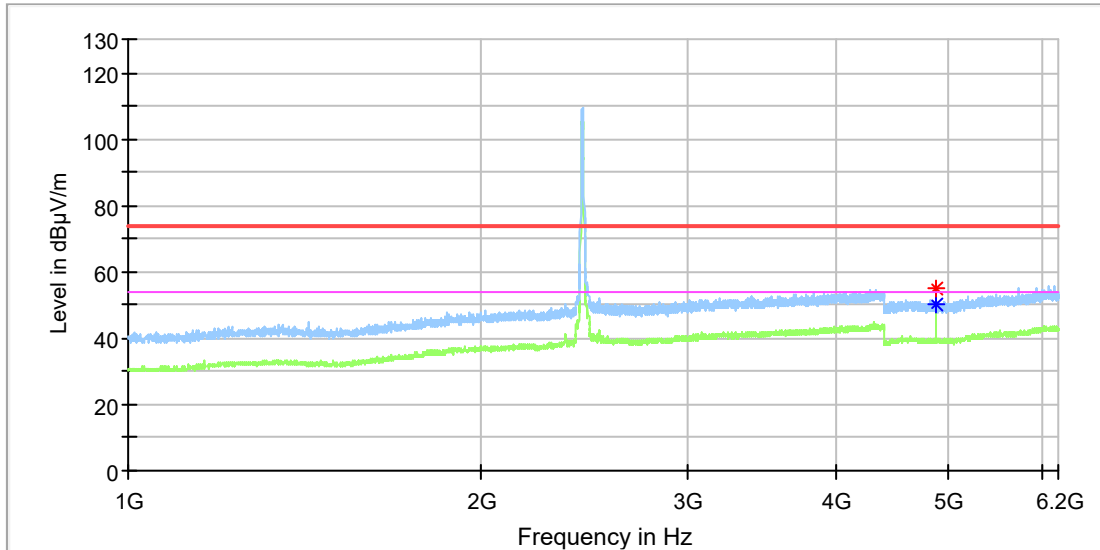
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7234.466667 | 45.94 | --- | 74.00 | 28.06 | 100.0 | V | 156.0 | 8.6 |
| 7236.925000 | --- | 40.43 | 54.00 | 13.57 | 100.0 | V | 156.0 | 8.6 |
| 12663.450000 | 50.31 | --- | 74.00 | 23.69 | 100.0 | V | 96.0 | 15.0 |
| 12694.916667 | --- | 41.36 | 54.00 | 12.64 | 100.0 | V | 350.0 | 15.1 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

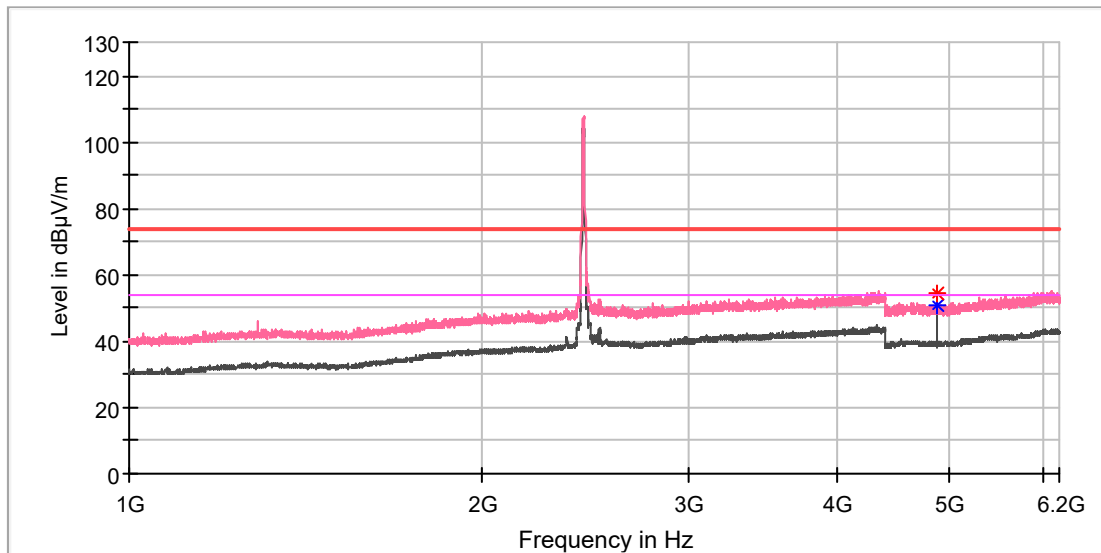
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4873.500000 | 55.04 | --- | 74.00 | 18.96 | 100.0 | H | 128.0 | 11.8 |
| 4874.000000 | --- | 50.15 | 54.00 | 3.85 | 100.0 | H | 104.0 | 11.8 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

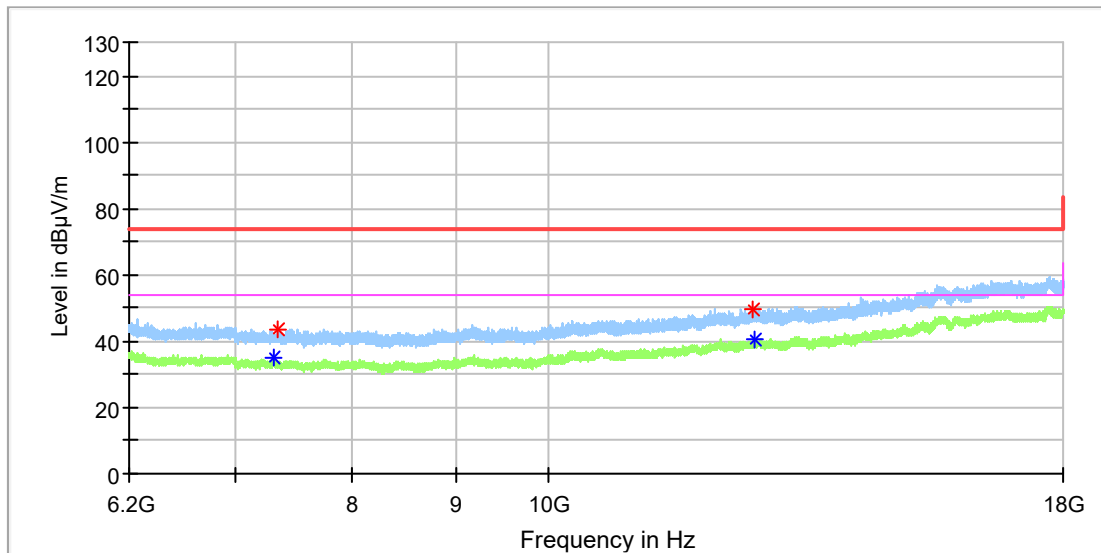
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4874.000000 | --- | 50.51 | 54.00 | 3.49 | 100.0 | V | 174.0 | 11.8 |
| 4874.000000 | 54.72 | --- | 74.00 | 19.28 | 100.0 | V | 174.0 | 11.8 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

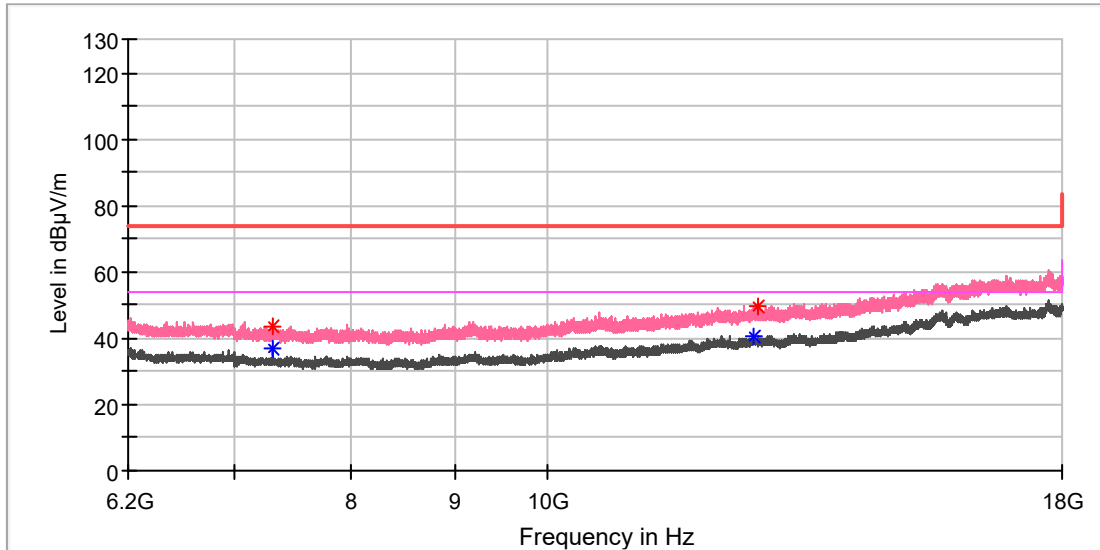
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7312.150000 | --- | 34.81 | 54.00 | 19.19 | 100.0 | H | 266.0 | 8.2 |
| 7345.583333 | 43.51 | --- | 74.00 | 30.49 | 100.0 | H | 266.0 | 8.1 |
| 12632.966667 | 49.55 | --- | 74.00 | 24.45 | 100.0 | H | 231.0 | 15.0 |
| 12660.008333 | --- | 40.45 | 54.00 | 13.55 | 100.0 | H | 303.0 | 15.0 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

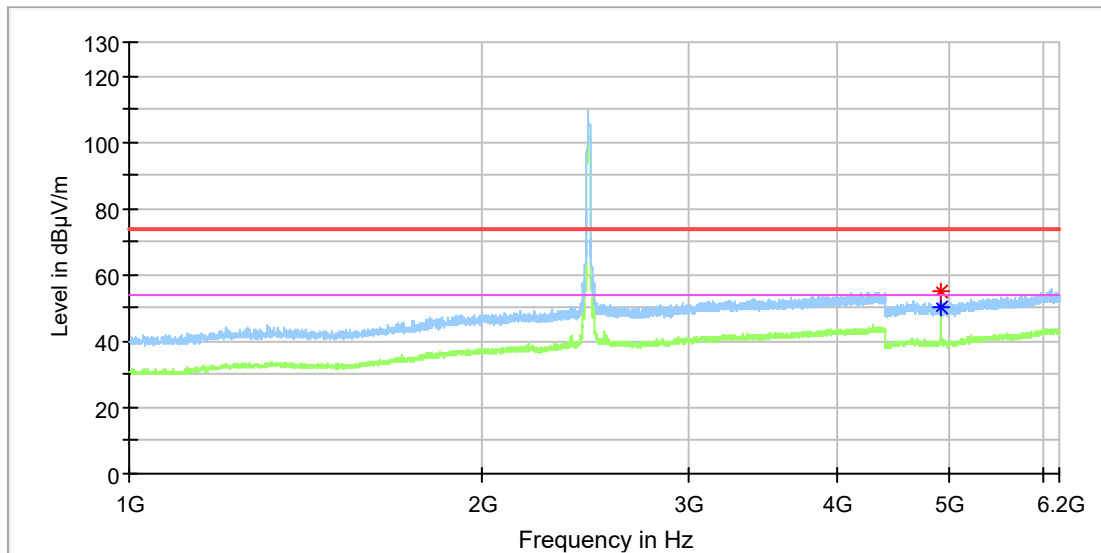
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7308.708333 | 43.44 | --- | 74.00 | 30.56 | 100.0 | V | 71.0 | 8.2 |
| 7311.658333 | --- | 37.12 | 54.00 | 16.88 | 100.0 | V | 132.0 | 8.2 |
| 12667.875000 | --- | 40.77 | 54.00 | 13.23 | 100.0 | V | 132.0 | 15.1 |
| 12718.516667 | 49.33 | --- | 74.00 | 24.67 | 100.0 | V | 132.0 | 15.1 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

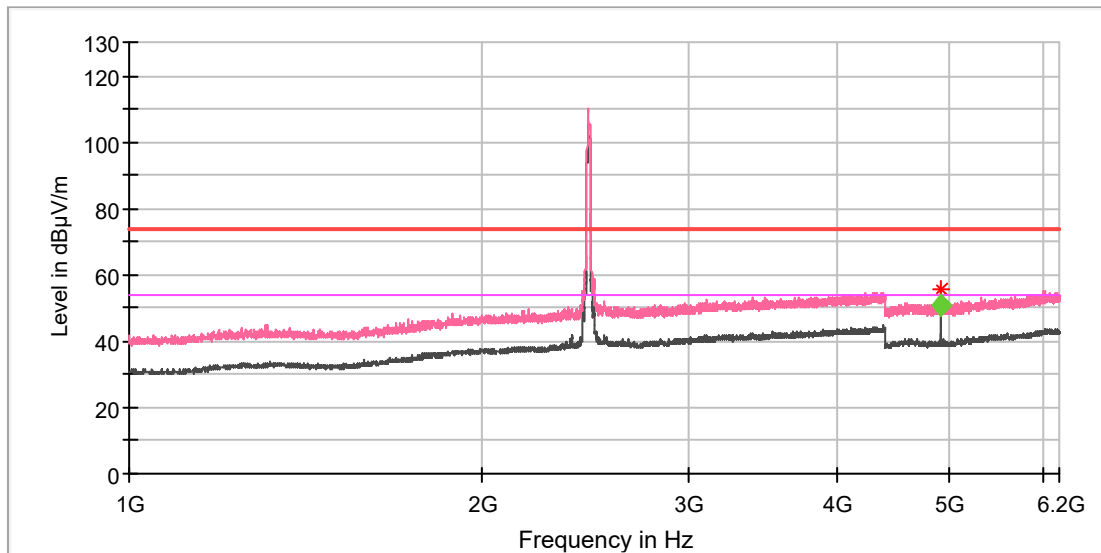
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4924.000000 | --- | 49.97 | 54.00 | 4.03 | 100.0 | H | 82.0 | 11.8 |
| 4924.000000 | 54.82 | --- | 74.00 | 19.18 | 100.0 | H | 82.0 | 11.8 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

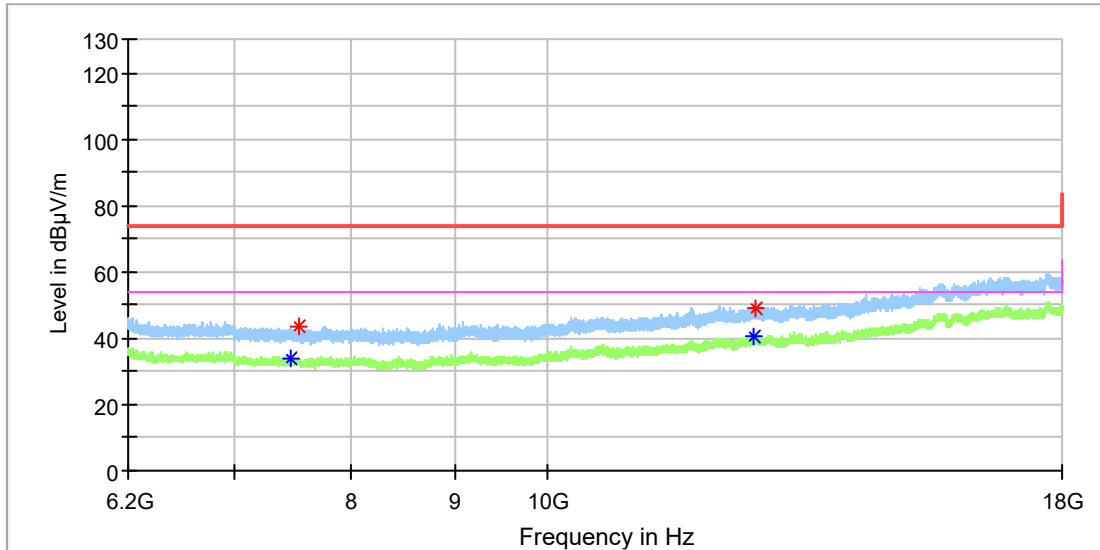
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4924.000000 | 55.91 | --- | 74.00 | 18.09 | 100.0 | V | 178.0 | 11.8 |

Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4924.016667 | 50.94 | 54.00 | 3.06 | 100.0 | V | 173.0 | 11.8 |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

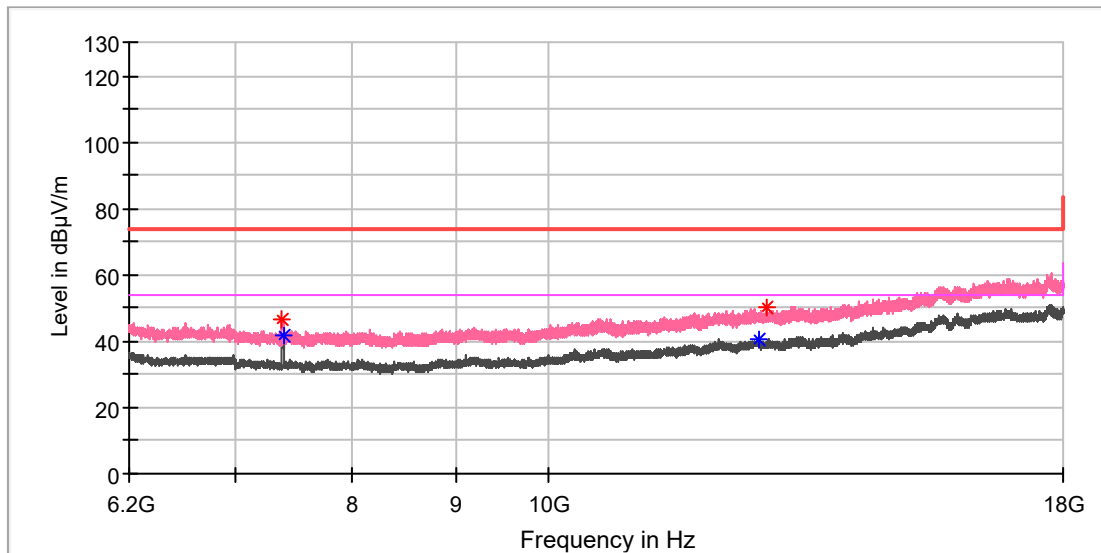
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7460.633333 | --- | 34.14 | 54.00 | 19.86 | 100.0 | H | 0.0 | 8.5 |
| 7535.366667 | 43.46 | --- | 74.00 | 30.54 | 100.0 | H | 49.0 | 8.7 |
| 12657.550000 | --- | 40.32 | 54.00 | 13.68 | 100.0 | H | 12.0 | 15.0 |
| 12671.808333 | 49.09 | --- | 74.00 | 24.91 | 100.0 | H | 2.0 | 15.1 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

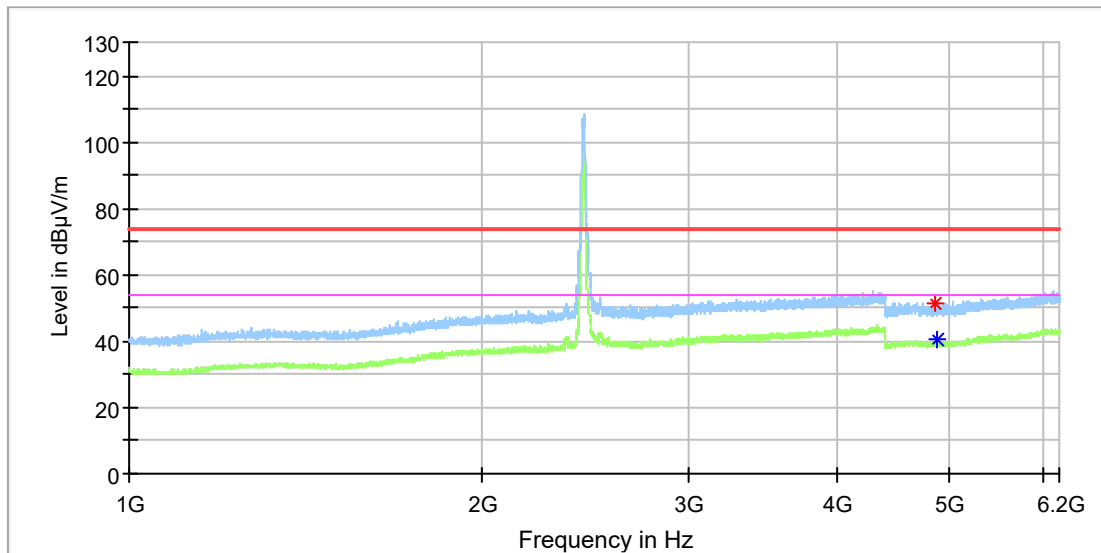
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7384.425000 | 46.84 | --- | 74.00 | 27.16 | 100.0 | V | 159.0 | 8.2 |
| 7386.391667 | --- | 41.56 | 54.00 | 12.44 | 100.0 | V | 159.0 | 8.2 |
| 12716.058333 | --- | 40.35 | 54.00 | 13.65 | 100.0 | V | 32.0 | 15.1 |
| 12821.766667 | 50.37 | --- | 74.00 | 23.63 | 100.0 | V | 58.0 | 15.3 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11g_Ch6
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

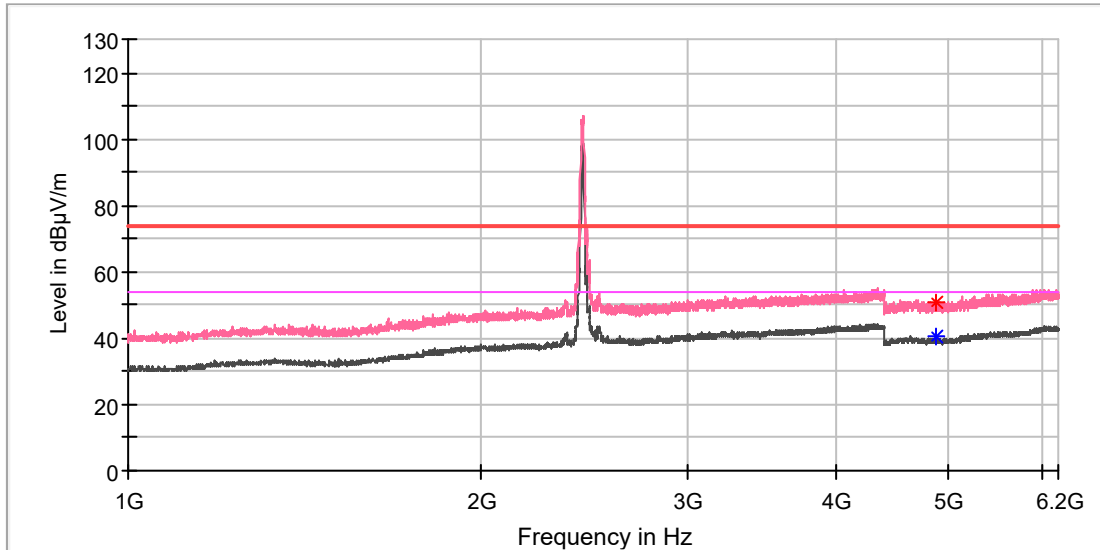
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4866.500000 | 51.66 | --- | 74.00 | 22.34 | 100.0 | H | 126.0 | 11.8 |
| 4868.500000 | --- | 40.57 | 54.00 | 13.43 | 100.0 | H | 229.0 | 11.8 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11g_Ch6
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

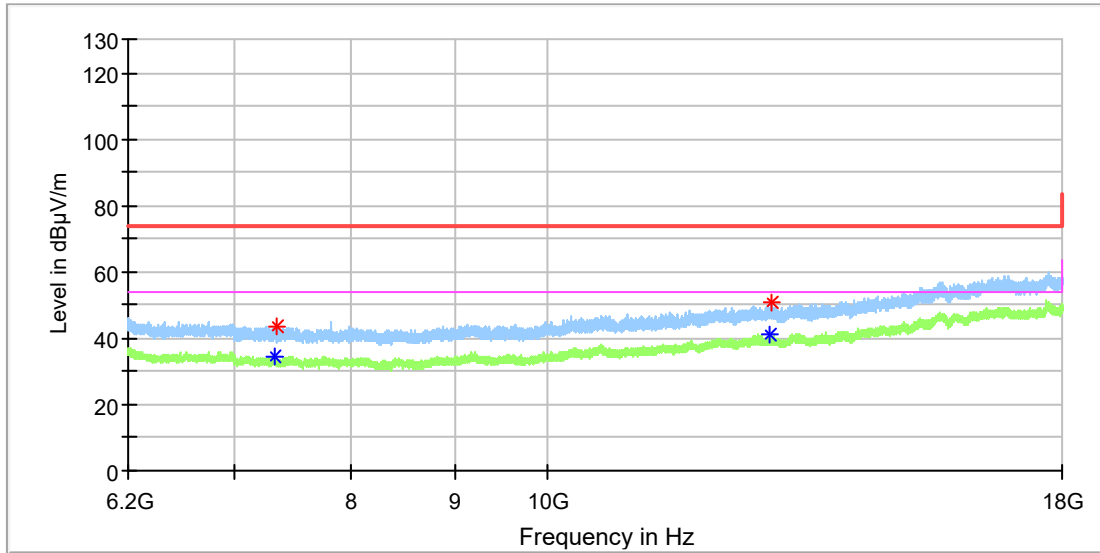
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4874.500000 | 51.07 | --- | 74.00 | 22.93 | 100.0 | V | 178.0 | 11.8 |
| 4874.500000 | --- | 40.46 | 54.00 | 13.54 | 100.0 | V | 178.0 | 11.8 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11g_Ch6
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

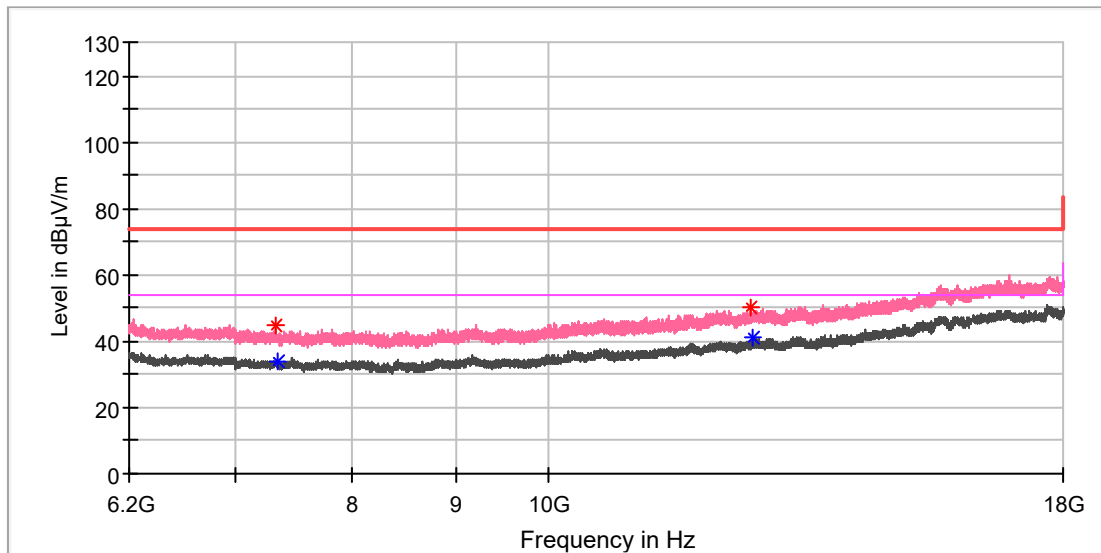
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7329.850000 | --- | 34.50 | 54.00 | 19.50 | 100.0 | H | 186.0 | 8.1 |
| 7345.583333 | 43.74 | --- | 74.00 | 30.26 | 100.0 | H | 123.0 | 8.1 |
| 12896.008333 | --- | 40.94 | 54.00 | 13.06 | 100.0 | H | 321.0 | 15.5 |
| 12905.841667 | 50.72 | --- | 74.00 | 23.28 | 100.0 | H | 356.0 | 15.5 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11g_Ch6
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

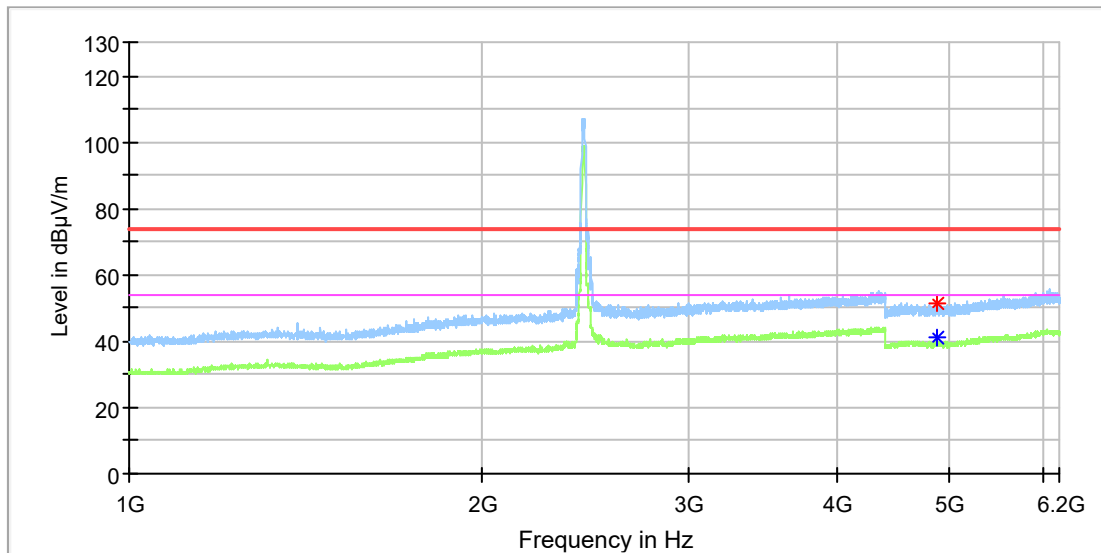
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7323.950000 | 44.68 | --- | 74.00 | 29.32 | 100.0 | V | 158.0 | 8.2 |
| 7347.058333 | --- | 33.97 | 54.00 | 20.03 | 100.0 | V | 123.0 | 8.1 |
| 12585.766667 | 50.22 | --- | 74.00 | 23.78 | 100.0 | V | 75.0 | 14.8 |
| 12639.850000 | --- | 40.83 | 54.00 | 13.17 | 100.0 | V | 39.0 | 15.0 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11n20_Ch6
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

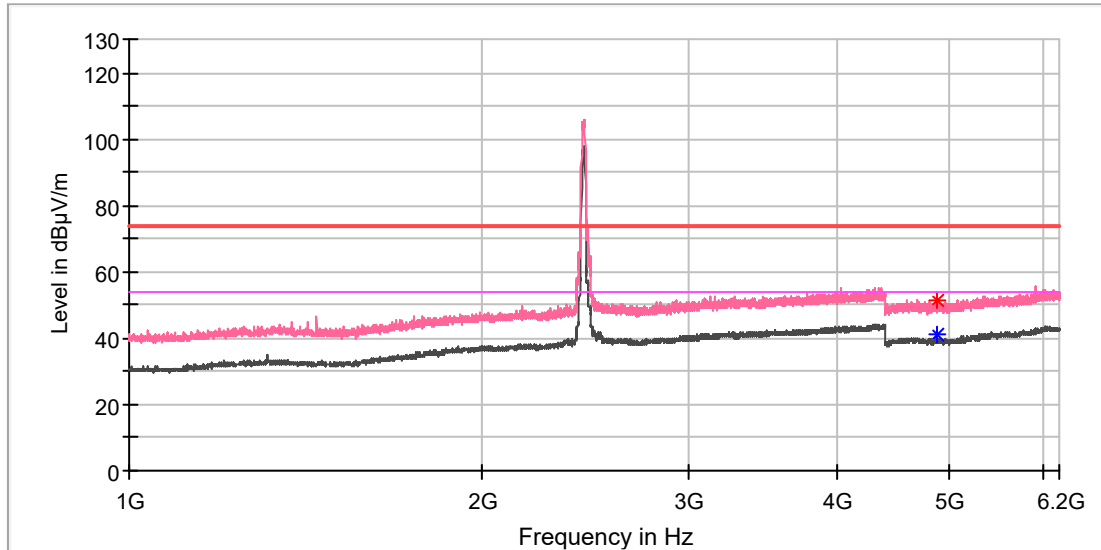
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4871.500000 | --- | 40.94 | 54.00 | 13.06 | 100.0 | H | 65.0 | 11.8 |
| 4872.000000 | 51.22 | --- | 74.00 | 22.78 | 100.0 | H | 46.0 | 11.8 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11n20_Ch6
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

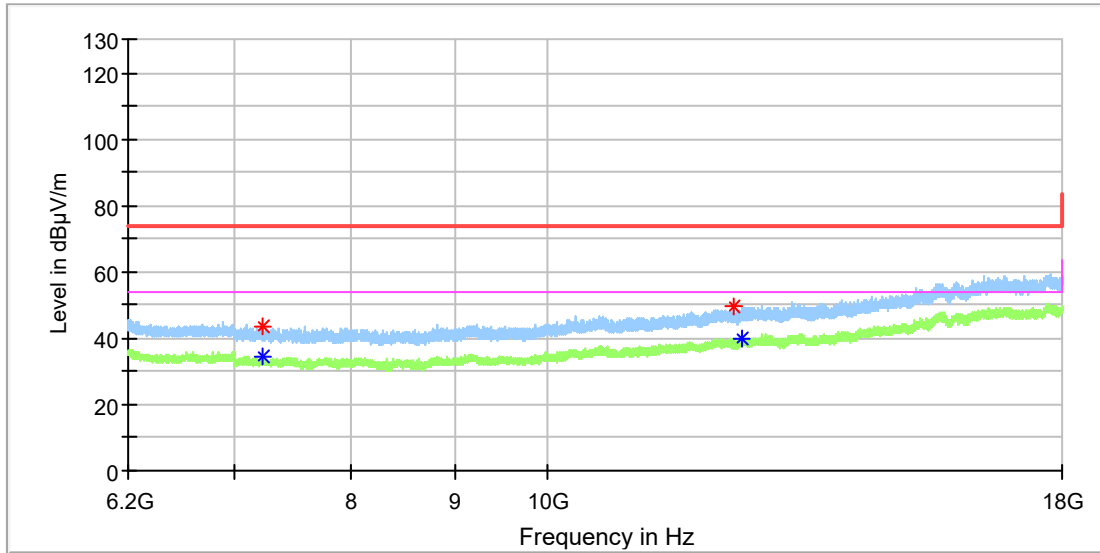
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4868.500000 | --- | 40.96 | 54.00 | 13.04 | 100.0 | V | 108.0 | 11.8 |
| 4873.500000 | 51.33 | --- | 74.00 | 22.67 | 100.0 | V | 175.0 | 11.8 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11n20_Ch6
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

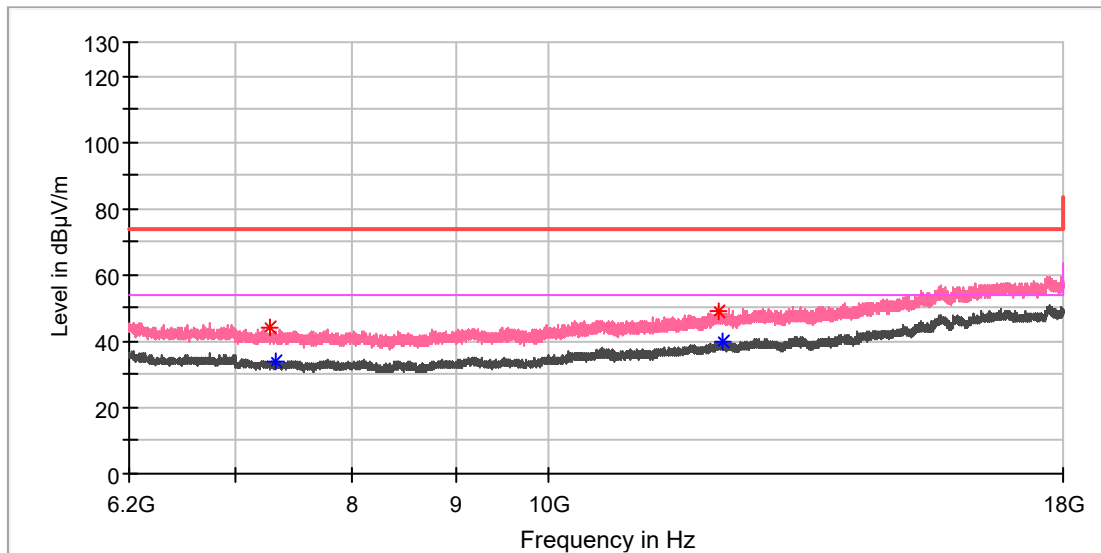
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7220.208333 | --- | 34.19 | 54.00 | 19.81 | 100.0 | H | 3.0 | 8.7 |
| 7221.683333 | 43.52 | --- | 74.00 | 30.48 | 100.0 | H | 38.0 | 8.7 |
| 12373.366667 | 49.76 | --- | 74.00 | 24.24 | 100.0 | H | 280.0 | 14.7 |
| 12479.075000 | --- | 39.96 | 54.00 | 14.04 | 100.0 | H | 173.0 | 14.6 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11n20_Ch6
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

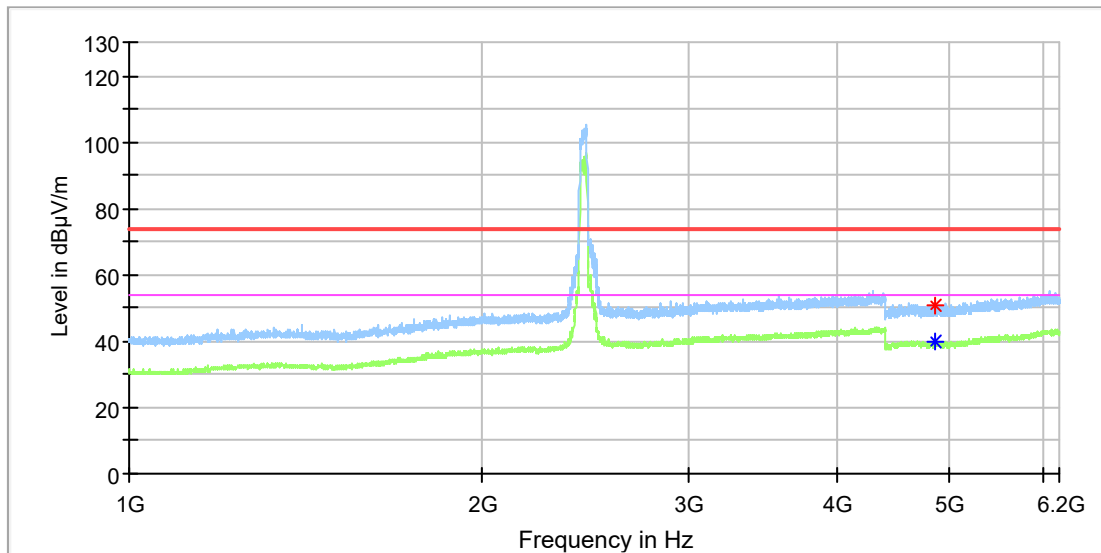
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7275.766667 | 43.91 | --- | 74.00 | 30.09 | 100.0 | V | 216.0 | 8.4 |
| 7332.308333 | --- | 33.96 | 54.00 | 20.04 | 100.0 | V | 358.0 | 8.1 |
| 12131.958333 | 49.07 | --- | 74.00 | 24.93 | 100.0 | V | 19.0 | 14.3 |
| 12202.266667 | --- | 40.20 | 54.00 | 13.80 | 100.0 | V | 170.0 | 14.7 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11n40_Ch6
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

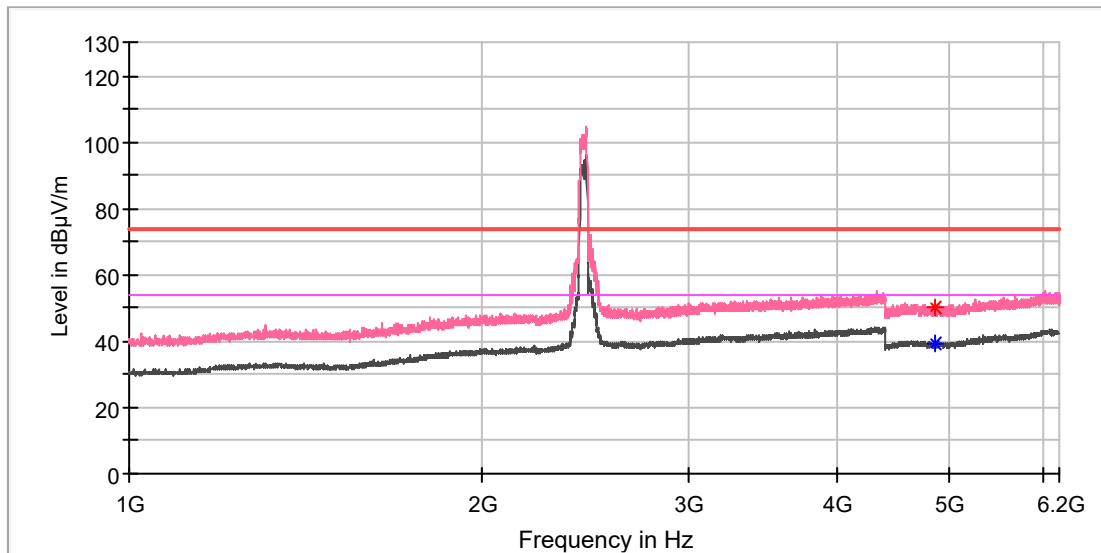
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4865.000000 | 50.83 | --- | 74.00 | 23.17 | 100.0 | H | 99.0 | 11.8 |
| 4867.500000 | --- | 39.66 | 54.00 | 14.34 | 100.0 | H | 49.0 | 11.8 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11n40_Ch6
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

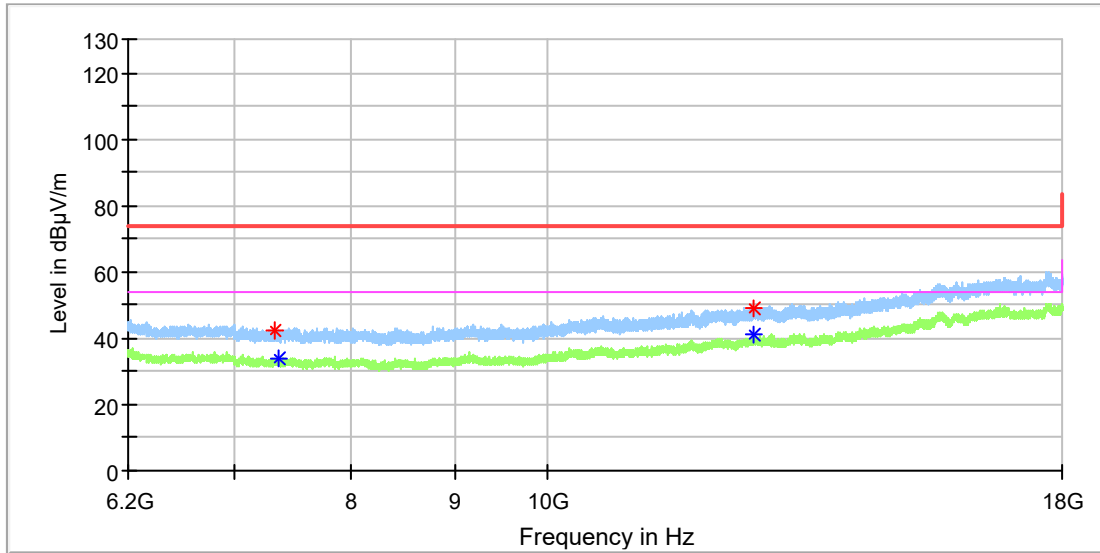
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4850.500000 | 50.27 | --- | 74.00 | 23.73 | 100.0 | V | 82.0 | 11.8 |
| 4852.500000 | --- | 39.39 | 54.00 | 14.61 | 100.0 | V | 44.0 | 11.8 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11n40_Ch6
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

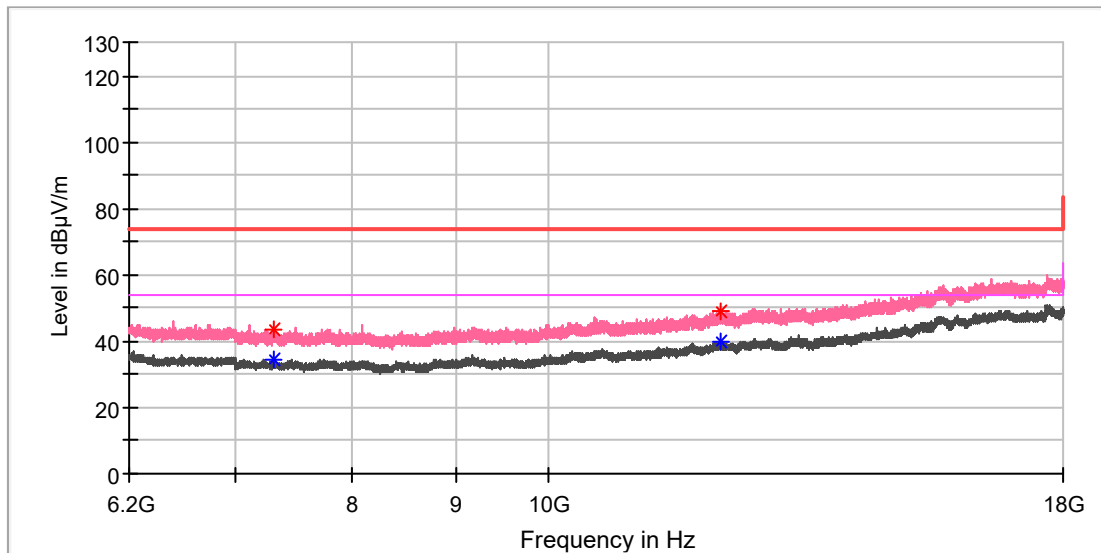
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7326.900000 | 42.32 | --- | 74.00 | 31.68 | 100.0 | H | 124.0 | 8.1 |
| 7351.975000 | --- | 33.70 | 54.00 | 20.30 | 100.0 | H | 160.0 | 8.1 |
| 12645.750000 | --- | 40.87 | 54.00 | 13.13 | 100.0 | H | 2.0 | 15.0 |
| 12652.633333 | 49.10 | --- | 74.00 | 24.90 | 100.0 | H | 341.0 | 15.0 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11n40_Ch6
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

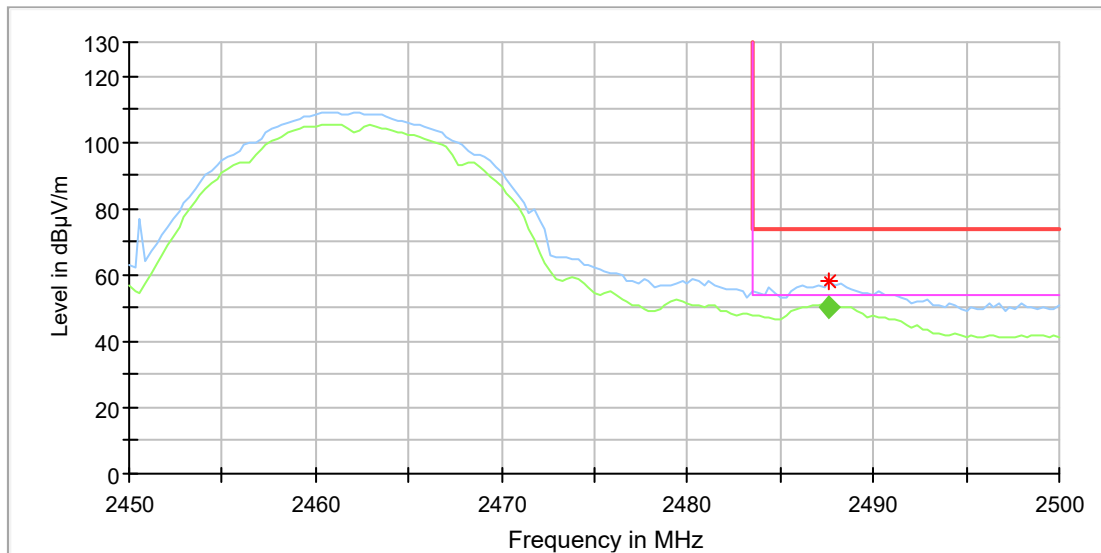
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7303.300000 | 43.62 | --- | 74.00 | 30.38 | 100.0 | V | 220.0 | 8.3 |
| 7314.116667 | --- | 34.31 | 54.00 | 19.69 | 100.0 | V | 305.0 | 8.2 |
| 12175.716667 | 49.15 | --- | 74.00 | 24.85 | 100.0 | V | 329.0 | 14.5 |
| 12175.716667 | --- | 40.06 | 54.00 | 13.94 | 100.0 | V | 329.0 | 14.5 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | Robotic Vacuum Cleaner |
| Model: | S82USV |
| Test Mode: | WIFI 2.4G_11b_Ch11 |
| Order No/Sample No: | 168448860/A003591695-001 |
| Test Voltage: | Battery |
| Remark: | Temp 23 Humi:56% |
| Test Standard: | FCC 15.247 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

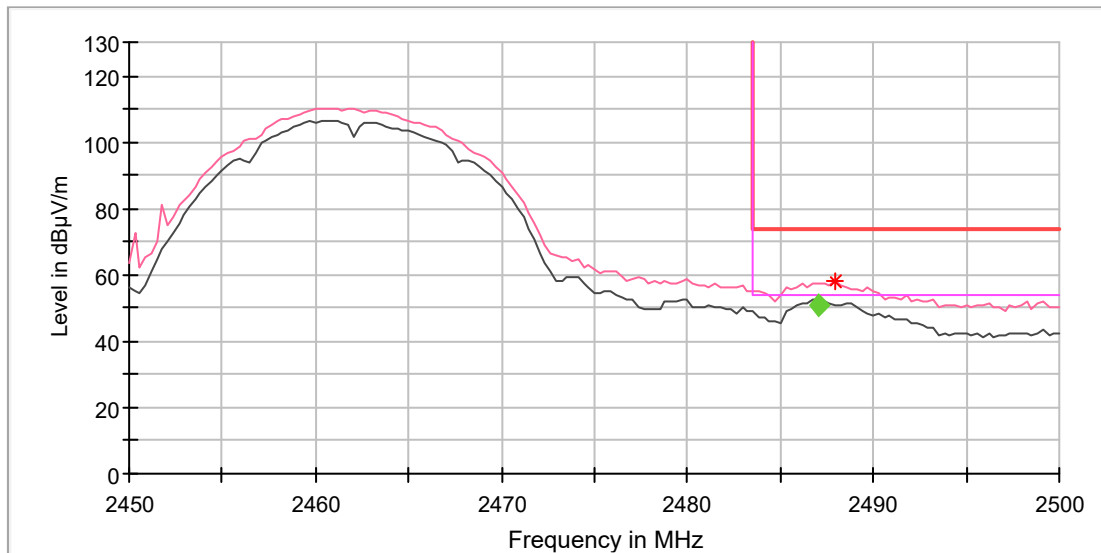
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2487.647059 | 58.21 | --- | 74.00 | 15.79 | 100.0 | H | 101.0 | 7.4 |

Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2487.647660 | 50.17 | 54.00 | 3.83 | 105.0 | H | 99.0 | 7.4 |

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | Robotic Vacuum Cleaner |
| Model: | S82USV |
| Test Mode: | WIFI 2.4G_11b_Ch11 |
| Order No/Sample No: | 168448860/A003591695-001 |
| Test Voltage: | Battery |
| Remark: | Temp 23 Humi:56% |
| Test Standard: | FCC 15.247 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2487.941177 | 58.02 | --- | 74.00 | 15.98 | 100.0 | V | 180.0 | 7.4 |

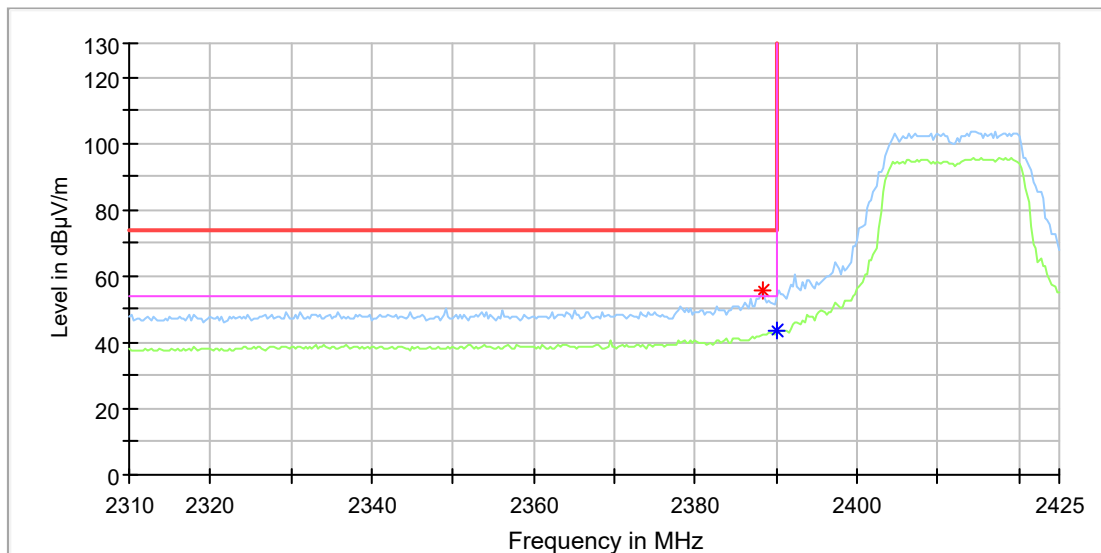
Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2487.057358 | 50.72 | 54.00 | 3.28 | 105.0 | V | 197.0 | 7.4 |

Wi-Fi 802.11 g mode

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11g_Ch1
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

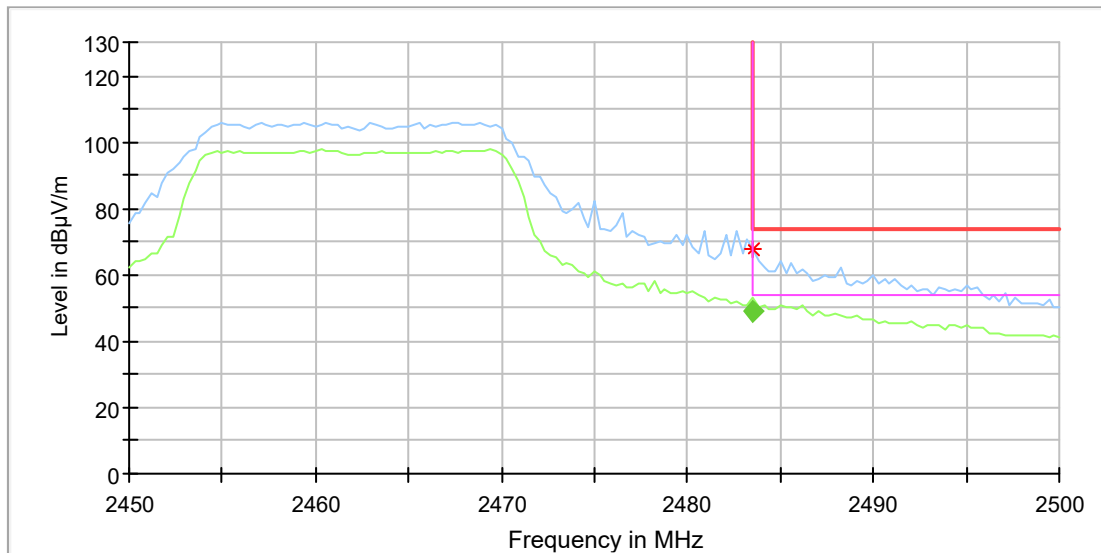
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2388.235294 | 55.71 | --- | 74.00 | 18.29 | 100.0 | H | 116.0 | 7.0 |
| 2390.000000 | --- | 43.25 | 54.00 | 10.75 | 100.0 | H | 116.0 | 7.0 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11g_Ch11
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

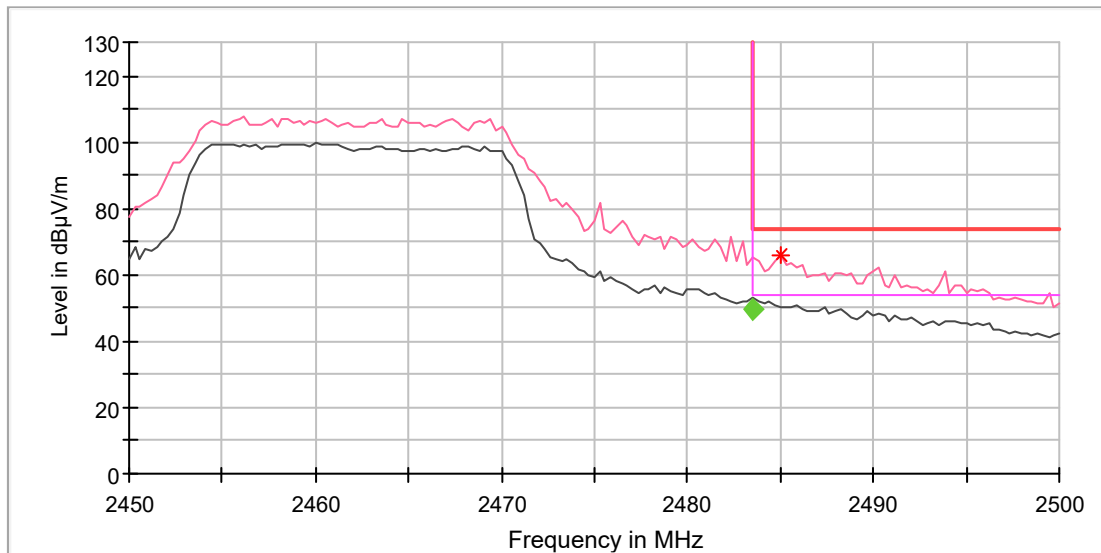
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.529412 | 67.44 | --- | 74.00 | 6.56 | 100.0 | H | 101.0 | 7.4 |

Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.524140 | 48.76 | 54.00 | 5.24 | 100.0 | H | 99.0 | 7.4 |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11g_Ch11
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2485.000000 | 66.06 | --- | 74.00 | 7.94 | 100.0 | V | 182.0 | 7.4 |

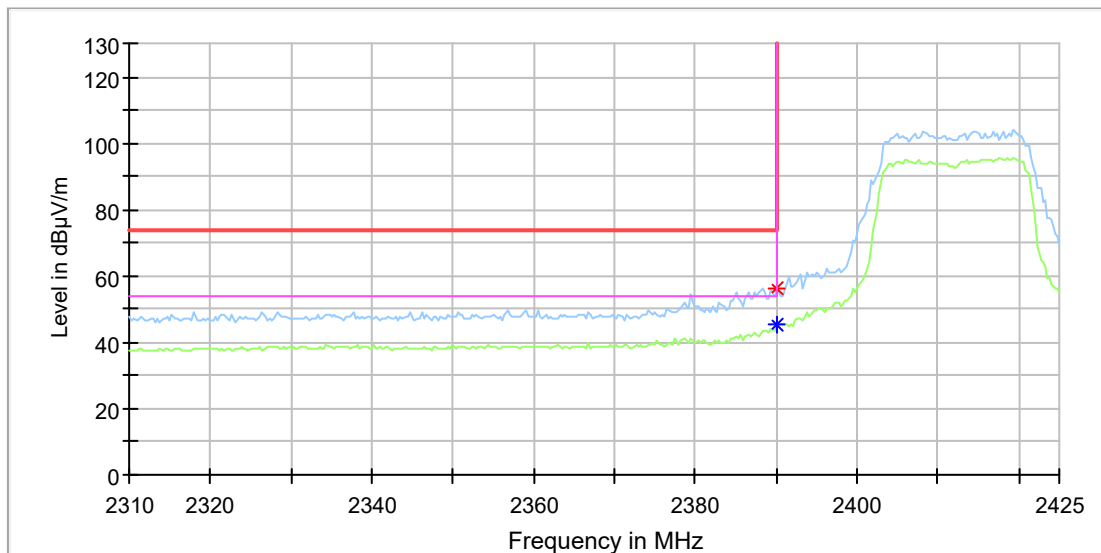
Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.526490 | 49.78 | 54.00 | 4.22 | 105.0 | V | 195.0 | 7.4 |

Wi-Fi 802.11 n(HT20) mode

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11n20_Ch1
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

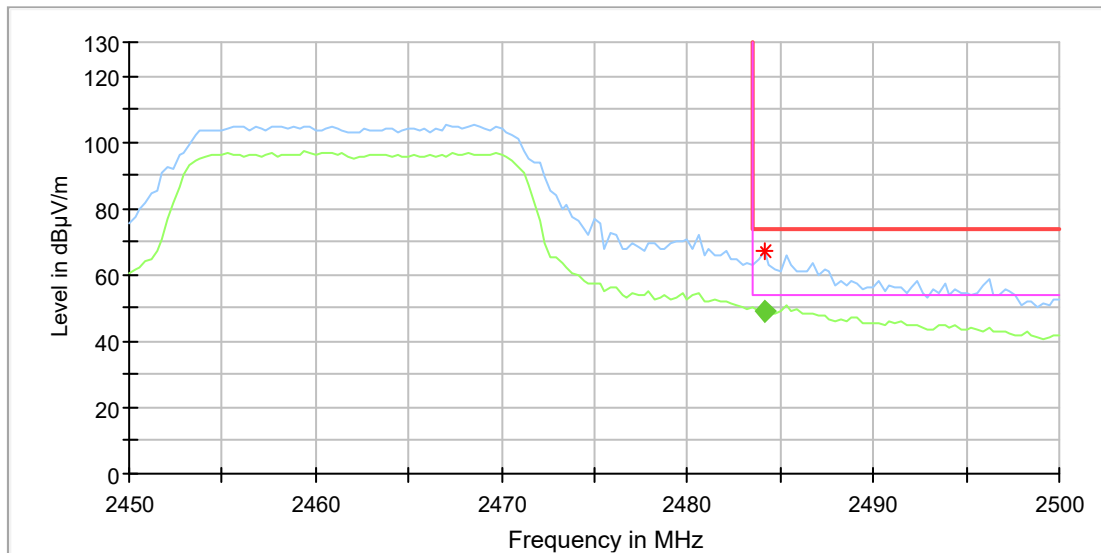
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2390.000000 | --- | 45.13 | 54.00 | 8.87 | 100.0 | H | 104.0 | 7.0 |
| 2390.000000 | 56.36 | --- | 74.00 | 17.64 | 100.0 | H | 104.0 | 7.0 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11n20_Ch11
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

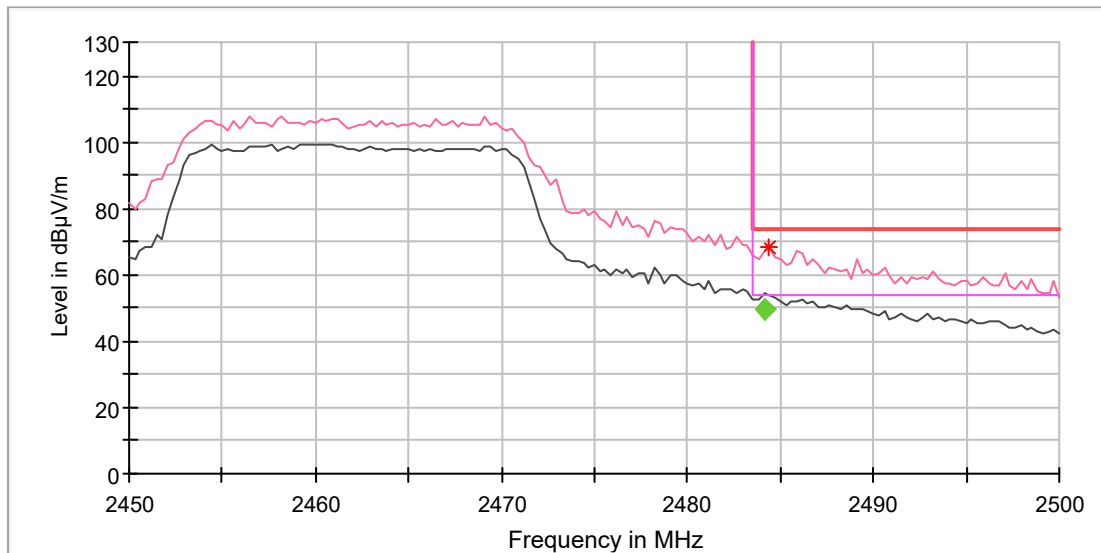
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.117647 | 67.01 | --- | 74.00 | 6.99 | 100.0 | H | 113.0 | 7.4 |

Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.117352 | 48.91 | 54.00 | 5.09 | 100.0 | H | 112.0 | 7.4 |

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | Robotic Vacuum Cleaner |
| Model: | S82USV |
| Test Mode: | WIFI 2.4G_11n20_Ch11 |
| Order No/Sample No: | 168448860/A003591695-001 |
| Test Voltage: | Battery |
| Remark: | Temp 23 Humi:56% |
| Test Standard: | FCC 15.247 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.411765 | 68.23 | --- | 74.00 | 5.77 | 100.0 | V | 192.0 | 7.4 |

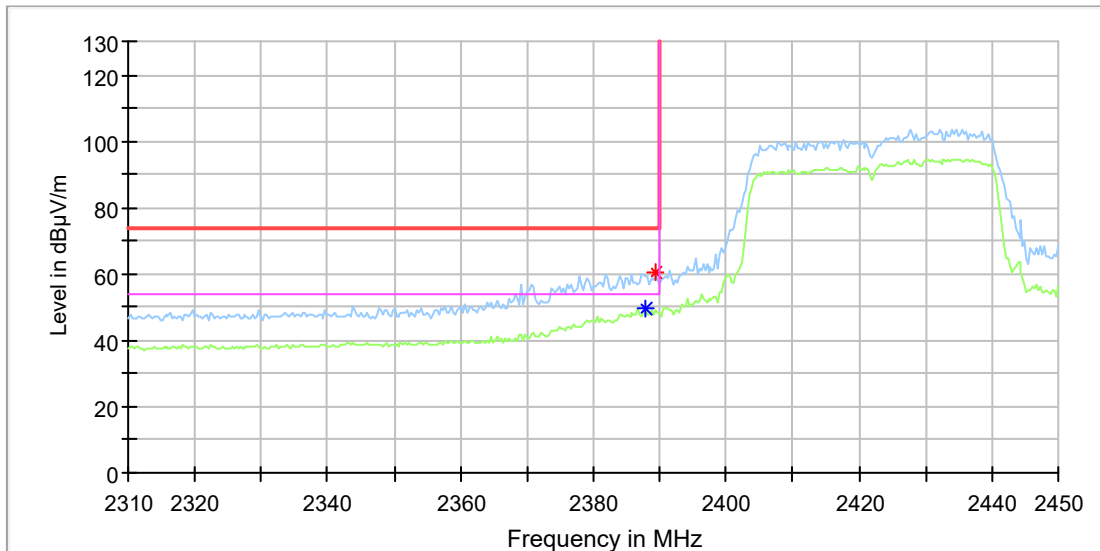
Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.117029 | 49.74 | 54.00 | 4.26 | 105.0 | V | 177.0 | 7.4 |

Wi-Fi 802.11 n(HT40) mode

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11n40_Ch3
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

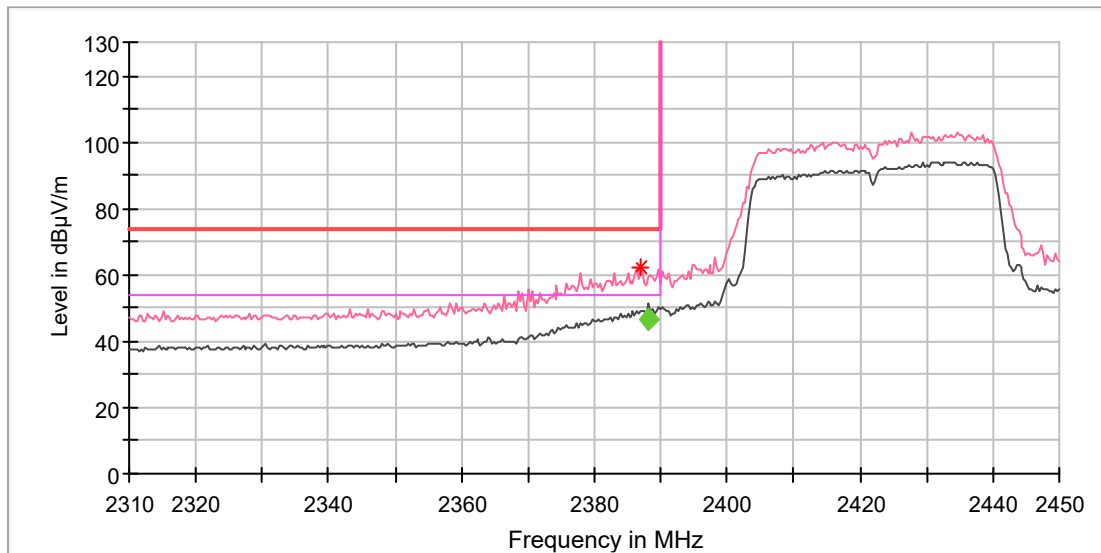
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2387.941177 | --- | 49.63 | 54.00 | 4.37 | 100.0 | H | 307.0 | 7.0 |
| 2389.411765 | 60.20 | --- | 74.00 | 13.80 | 100.0 | H | 120.0 | 7.0 |

Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | Robotic Vacuum Cleaner |
| Model: | S82USV |
| Test Mode: | WIFI 2.4G_11n40_Ch3 |
| Order No/Sample No: | 168448860/A003591695-001 |
| Test Voltage: | Battery |
| Remark: | Temp 23 Humi:56% |
| Test Standard: | FCC 15.247 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

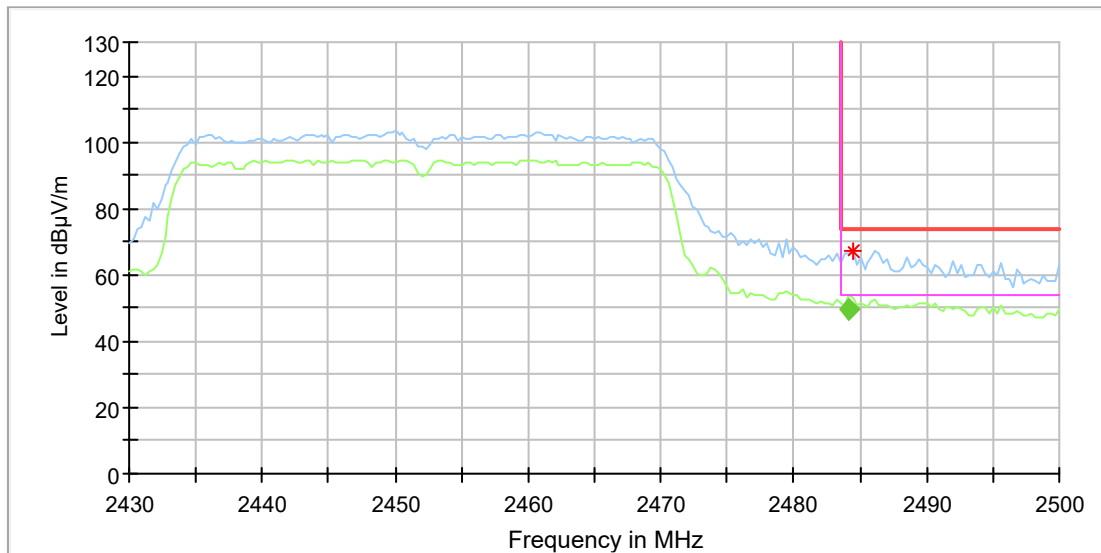
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2387.058824 | 62.52 | --- | 74.00 | 11.48 | 100.0 | V | 212.0 | 7.0 |

Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2388.017794 | 46.36 | 54.00 | 7.64 | 105.0 | V | 202.0 | 7.0 |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11n40_Ch9
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

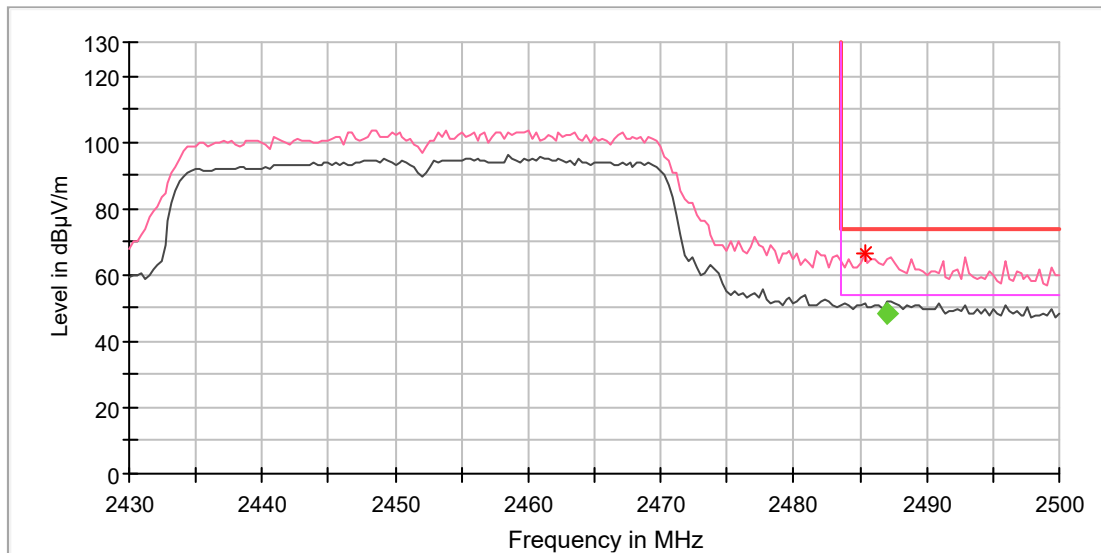
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.41765 | 67.28 | --- | 74.00 | 6.72 | 100.0 | H | 108.0 | 7.4 |

Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.117941 | 49.58 | 54.00 | 4.42 | 105.0 | H | 241.0 | 7.4 |

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: S82USV
 Test Mode: WIFI 2.4G_11n40_Ch9
 Order No/Sample No: 168448860/A003591695-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2485.294118 | 66.38 | --- | 74.00 | 7.62 | 100.0 | V | 206.0 | 7.4 |

Final Result

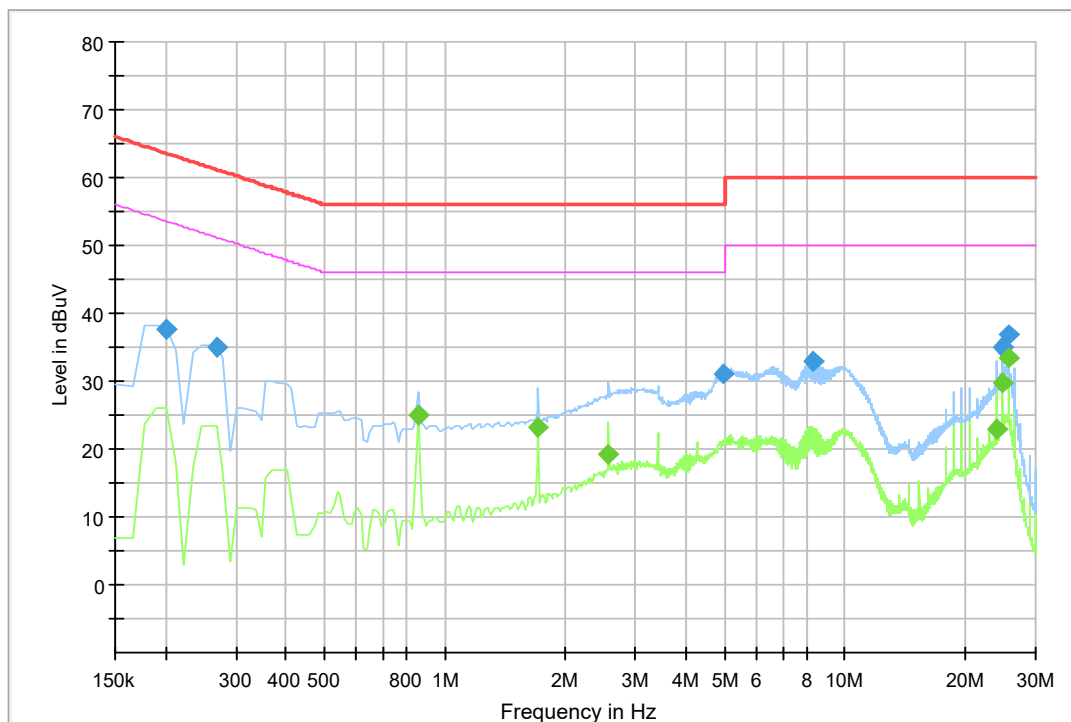
| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2487.051175 | 48.37 | 54.00 | 5.63 | 100.0 | V | 192.0 | 7.4 |

Appendix A.7: Test Results of Conducted Emission on AC Mains

EMI Auto Test Template: FCC PART15 CLASS B_L LINE

Hardware Setup: ESR CE ENV216 (C-104)
 Measurement Type: 2 Line LISN
 Frequency Range: 150 kHz - 30 MHz
 Graphics Level Range: -10 dBuV - 80 dBuV

Full Spectrum



Final Result QPK

| Frequency (MHz) | QuasiPeak (dBuV) | Limit (dBuV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Corr. (dB) |
|-----------------|------------------|--------------|-------------|-----------------|-----------------|------|------------|
| 0.200625 | 37.63 | 63.59 | 25.95 | 1000.0 | 9.000 | L1 | 9.8 |
| 0.268125 | 35.13 | 61.18 | 26.05 | 1000.0 | 9.000 | L1 | 9.8 |
| 4.981875 | 31.18 | 56.00 | 24.82 | 1000.0 | 9.000 | L1 | 9.9 |
| 8.278125 | 32.81 | 60.00 | 27.19 | 1000.0 | 9.000 | L1 | 10.1 |
| 24.725625 | 35.02 | 60.00 | 24.98 | 1000.0 | 9.000 | L1 | 10.3 |
| 25.580625 | 36.79 | 60.00 | 23.21 | 1000.0 | 9.000 | L1 | 10.4 |

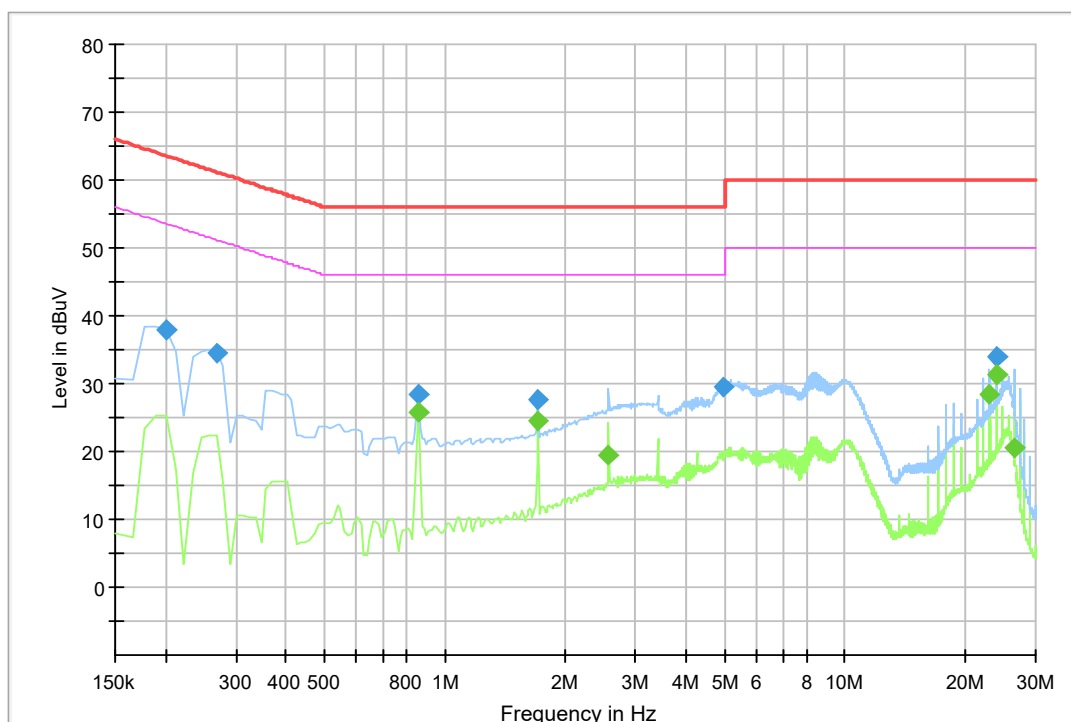
Final Result CAV

| Frequency (MHz) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Corr. (dB) |
|-----------------|-----------------|--------------|-------------|-----------------|-----------------|------|------------|
| 0.853125 | 24.92 | 46.00 | 21.08 | 1000.0 | 9.000 | L1 | 9.8 |
| 1.708125 | 23.24 | 46.00 | 22.76 | 1000.0 | 9.000 | L1 | 9.8 |
| 2.563125 | 19.12 | 46.00 | 26.88 | 1000.0 | 9.000 | L1 | 9.9 |
| 23.881875 | 22.81 | 50.00 | 27.19 | 1000.0 | 9.000 | L1 | 10.3 |
| 24.725625 | 29.73 | 50.00 | 20.27 | 1000.0 | 9.000 | L1 | 10.3 |
| 25.580625 | 33.38 | 50.00 | 16.62 | 1000.0 | 9.000 | L1 | 10.4 |

EMI Auto Test Template: FCC PART15 CLASS B_N LINE

Hardware Setup: ESR CE ENV216 (C-104)
 Measurement Type: 2 Line LISN
 Frequency Range: 150 kHz - 30 MHz
 Graphics Level Range: -10 dBuV - 80 dBuV

Full Spectrum



Final_Result_QPK

| Frequency (MHz) | QuasiPeak (dBuV) | Limit (dBuV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Corr. (dB) |
|-----------------|------------------|--------------|-------------|-----------------|-----------------|------|------------|
| 0.200625 | 37.84 | 63.59 | 25.74 | 1000.0 | 9.000 | N | 9.8 |
| 0.268125 | 34.54 | 61.18 | 26.64 | 1000.0 | 9.000 | N | 9.8 |
| 0.853125 | 28.31 | 56.00 | 27.69 | 1000.0 | 9.000 | N | 9.8 |
| 1.708125 | 27.68 | 56.00 | 28.32 | 1000.0 | 9.000 | N | 9.8 |
| 4.981875 | 29.53 | 56.00 | 26.47 | 1000.0 | 9.000 | N | 9.9 |
| 23.881875 | 33.90 | 60.00 | 26.10 | 1000.0 | 9.000 | N | 10.3 |

Final_Result_CAV

| Frequency (MHz) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Corr. (dB) |
|-----------------|-----------------|--------------|-------------|-----------------|-----------------|------|------------|
| 0.853125 | 25.87 | 46.00 | 20.13 | 1000.0 | 9.000 | N | 9.8 |
| 1.708125 | 24.45 | 46.00 | 21.55 | 1000.0 | 9.000 | N | 9.8 |
| 2.563125 | 19.35 | 46.00 | 26.65 | 1000.0 | 9.000 | N | 9.8 |
| 23.026875 | 28.38 | 50.00 | 21.62 | 1000.0 | 9.000 | N | 10.3 |
| 23.881875 | 31.34 | 50.00 | 18.66 | 1000.0 | 9.000 | N | 10.3 |
| 26.435625 | 20.59 | 50.00 | 29.41 | 1000.0 | 9.000 | N | 10.4 |