



| | | | |
|--|--------------------------------|-------------------------------|----------------------|
| Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density | | | |
| Test procedure: ANSI C63.10 section 11.10.2 | | | |
| Test mode: Compliance | | Verdict: PASS | |
| Date(s): 20-Jun-19 - 24-Jun-19 | | | |
| Temperature: 24.4 °C | Relative Humidity: 49 % | Air Pressure: 1007 hPa | Power: 48 VDC |
| Remarks: | | | |

Table 7.8.3 Peak spectral power density test results

ASSIGNED FREQUENCY: 2400 - 2483.5 MHz
 TRANSMITTER OUTPUT POWER SETTINGS: Maximum
 DETECTOR USED: Average
 DUTY CYCLE: 100%
 RESOLUTION BANDWIDTH: 3 kHz
 VIDEO BANDWIDTH: 10 kHz
 CONFIGURATION: 1 beam
 BANDWIDTH: 10 MHz

| Carrier frequency, MHz | Chain, #1, dBm | Chain, #2, dBm | Chain, #3, dBm | Chain, #4, dBm | Chain, #5, dBm | Chain, #6, dBm | Chain, #7, dBm | Chain, #8, dBm | Sum PSD, dBm |
|-------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| Modulation QPSK | | | | | | | | | |
| 2450.7 | -11.86 | -13.13 | -12.72 | -13.59 | -13.73 | -13.60 | -12.53 | -12.82 | -3.95 |
| 2460.7 | -12.79 | -14.03 | -13.04 | -13.90 | -14.23 | -14.02 | -13.40 | -12.96 | -4.51 |
| 2470.7 | -11.06 | -12.34 | -11.23 | -12.52 | -12.80 | -13.04 | -11.37 | -11.65 | -2.94 |
| Modulation 64QAM | | | | | | | | | |
| 2450.7 | -11.61 | -13.18 | -11.97 | -13.26 | -13.56 | -13.29 | -12.31 | -12.48 | -3.65 |
| 2460.7 | -12.78 | -13.85 | -13.26 | -13.90 | -14.09 | -14.01 | -13.17 | -12.67 | -4.43 |
| 2470.7 | -10.68 | -11.92 | -11.50 | -12.49 | -12.69 | -12.80 | -11.66 | -11.70 | -2.88 |

| Carrier frequency, MHz | Sum PSD, dBm | External attenuation, dB | Feeder loss, dB | Total PSD,** dBm | Limit, dBm | Margin*, dB | Verdict |
|-------------------------|--------------|--------------------------|-----------------|------------------|------------|-------------|---------|
| Modulation QPSK | | | | | | | |
| 2450.7 | -3.95 | Included | 1.23 | -5.18 | 1.00 | -6.18 | Pass |
| 2460.7 | -4.51 | Included | 1.23 | -5.74 | 1.00 | -6.74 | Pass |
| 2470.7 | -2.94 | Included | 1.23 | -4.17 | 1.00 | -5.17 | Pass |
| Modulation 64QAM | | | | | | | |
| 2450.7 | -3.65 | Included | 1.23 | -4.88 | 1.00 | -5.88 | Pass |
| 2460.7 | -4.43 | Included | 1.23 | -5.66 | 1.00 | -6.66 | Pass |
| 2470.7 | -2.88 | Included | 1.23 | -4.11 | 1.00 | -5.11 | Pass |

* - Margin = Total PSD – specification limit.

** - Total PSD = Sum PSD – Feeder loss

*** - Sum PSD = $\sum 10\log(\text{PSD per Chain } \#x/10)$, where #x = 1,2,...,8 number of chain



| | | | |
|--|--------------------------------|-------------------------------|----------------------|
| Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density | | | |
| Test procedure: ANSI C63.10 section 11.10.2 | | | |
| Test mode: Compliance | | Verdict: PASS | |
| Date(s): 20-Jun-19 - 24-Jun-19 | | | |
| Temperature: 24.4 °C | Relative Humidity: 49 % | Air Pressure: 1007 hPa | Power: 48 VDC |
| Remarks: | | | |

Table 7.8.4 Peak spectral power density test results

ASSIGNED FREQUENCY: 2400 - 2483.5 MHz
 TRANSMITTER OUTPUT POWER SETTINGS: Maximum
 DETECTOR USED: Average
 DUTY CYCLE: 100%
 RESOLUTION BANDWIDTH: 3 kHz
 VIDEO BANDWIDTH: 10 kHz
 CONFIGURATION: 3 non-overlapping beams
 BANDWIDTH: 5 MHz

| Carrier frequency, MHz | Chain, #1, dBm | Chain, #2, dBm | Chain, #3, dBm | Chain, #4, dBm | Chain, #5, dBm | Chain, #6, dBm | Chain, #7, dBm | Chain, #8, dBm | Sum PSD, dBm |
|-------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| Modulation QPSK | | | | | | | | | |
| 2448.2 | -4.77 | -5.08 | -4.67 | -5.15 | -5.65 | -5.45 | -5.10 | -4.95 | 3.91 |
| 2458.2 | -3.97 | -3.72 | -3.57 | -4.18 | -4.73 | -4.01 | -4.41 | -4.08 | 4.93 |
| 2473.2 | -4.44 | -4.18 | -4.23 | -3.98 | -5.39 | -3.93 | -4.96 | -4.09 | 4.63 |
| Modulation 64QAM | | | | | | | | | |
| 2448.2 | -3.59 | -4.49 | -4.52 | -4.83 | -5.82 | -4.43 | -4.85 | -4.16 | 4.45 |
| 2458.2 | -4.04 | -4.08 | -3.79 | -3.73 | -4.51 | -3.51 | -3.66 | -3.65 | 5.14 |
| 2473.2 | -4.19 | -4.47 | -4.04 | -4.49 | -5.01 | -4.15 | -4.49 | -4.28 | 4.62 |

| Carrier frequency, MHz | Sum PSD, dBm | External attenuation, dB | Feeder loss, dB | Total PSD,** dBm | Limit, dBm | Margin*, dB | Verdict |
|-------------------------|--------------|--------------------------|-----------------|------------------|------------|-------------|---------|
| Modulation QPSK | | | | | | | |
| 2448.2 | 3.91 | Included | 1.23 | 2.68 | 5.77 | -3.09 | Pass |
| 2458.2 | 4.93 | Included | 1.23 | 3.70 | 5.77 | -2.07 | Pass |
| 2473.2 | 4.63 | Included | 1.23 | 3.40 | 5.77 | -2.37 | Pass |
| Modulation 64QAM | | | | | | | |
| 2448.2 | 4.45 | Included | 1.23 | 3.22 | 5.77 | -2.55 | Pass |
| 2458.2 | 5.14 | Included | 1.23 | 3.91 | 5.77 | -1.86 | Pass |
| 2473.2 | 4.62 | Included | 1.23 | 3.39 | 5.77 | -2.38 | Pass |

* - Margin = Total PSD – specification limit.

** - Total PSD = Sum PSD – Feeder loss

*** - Sum PSD = $\sum_{10} \log(\text{PSD per Chain } \#x/10)$, where #x = 1,2,...,8 number of chain



| | | | |
|--|--------------------------------|-------------------------------|----------------------|
| Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density | | | |
| Test procedure: ANSI C63.10 section 11.10.2 | | | |
| Test mode: Compliance | | Verdict: PASS | |
| Date(s): 20-Jun-19 - 24-Jun-19 | | | |
| Temperature: 24.4 °C | Relative Humidity: 49 % | Air Pressure: 1007 hPa | Power: 48 VDC |
| Remarks: | | | |

Table 7.8.5 Peak spectral power density test results

ASSIGNED FREQUENCY: 2400 - 2483.5 MHz
 TRANSMITTER OUTPUT POWER SETTINGS: Maximum
 DETECTOR USED: Average
 DUTY CYCLE: 100%
 RESOLUTION BANDWIDTH: 3 kHz
 VIDEO BANDWIDTH: 10 kHz
 CONFIGURATION: 3 non-overlapping beams
 BANDWIDTH: 5 MHz

| Carrier frequency, MHz | Chain, #1, dBm | Chain, #2, dBm | Chain, #3, dBm | Chain, #4, dBm | Chain, #5, dBm | Chain, #6, dBm | Chain, #7, dBm | Chain, #8, dBm | Sum PSD, dBm |
|-------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| Modulation QPSK | | | | | | | | | |
| 2450.7 | -6.02 | -6.02 | -6.32 | -6.27 | -7.24 | -6.32 | -6.30 | -5.98 | 2.71 |
| 2460.7 | -5.36 | -5.54 | -4.74 | -5.51 | -6.03 | -5.14 | -5.32 | -5.52 | 3.62 |
| 2470.7 | -5.59 | -5.43 | -5.47 | -5.46 | -6.27 | -5.22 | -6.08 | -5.60 | 3.37 |
| Modulation 64QAM | | | | | | | | | |
| 2450.7 | -6.41 | -5.47 | -5.50 | -5.59 | -6.38 | -6.03 | -6.00 | -5.22 | 3.20 |
| 2460.7 | -5.29 | -5.39 | -4.53 | -5.02 | -5.84 | -5.05 | -5.65 | -4.80 | 3.82 |
| 2470.7 | -5.48 | -4.72 | -5.56 | -4.98 | -6.08 | -5.20 | -5.20 | -5.63 | 3.66 |

| Carrier frequency, MHz | Sum PSD, dBm | External attenuation, dB | Feeder loss, dB | Total PSD,** dBm | Limit, dBm | Margin*, dB | Verdict |
|-------------------------|--------------|--------------------------|-----------------|------------------|------------|-------------|---------|
| Modulation QPSK | | | | | | | |
| 2450.7 | 2.71 | Included | 1.23 | 1.48 | 5.77 | -4.29 | Pass |
| 2460.7 | 3.62 | Included | 1.23 | 2.39 | 5.77 | -3.38 | Pass |
| 2470.7 | 3.37 | Included | 1.23 | 2.14 | 5.77 | -3.63 | Pass |
| Modulation 64QAM | | | | | | | |
| 2450.7 | 3.20 | Included | 1.23 | 1.97 | 5.77 | -3.80 | Pass |
| 2460.7 | 3.82 | Included | 1.23 | 2.59 | 5.77 | -3.18 | Pass |
| 2470.7 | 3.66 | Included | 1.23 | 2.43 | 5.77 | -3.34 | Pass |

* - Margin = Total PSD – specification limit.

** - Total PSD = Sum PSD – Feeder loss

*** - Sum PSD = $\sum 10\log(\text{PSD per Chain } \#x/10)$, where #x = 1,2,...,8 number of chain

Reference numbers of test equipment used

| | | | | | | |
|---------|---------|---------|---------|--|--|--|
| HL 3901 | HL 4070 | HL 4366 | HL 5376 | | | |
|---------|---------|---------|---------|--|--|--|

Full description is given in Appendix A.

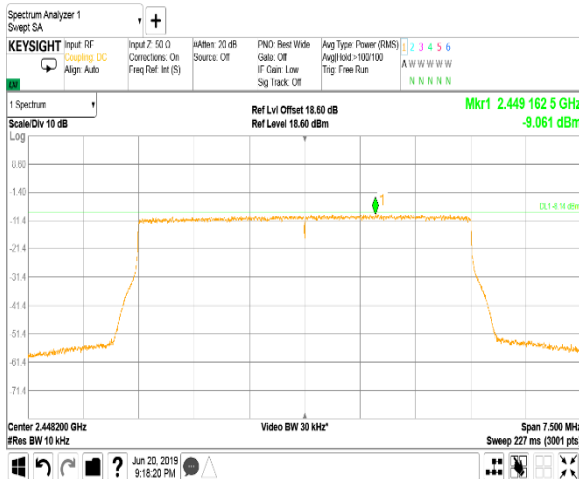


HERMON LABORATORIES

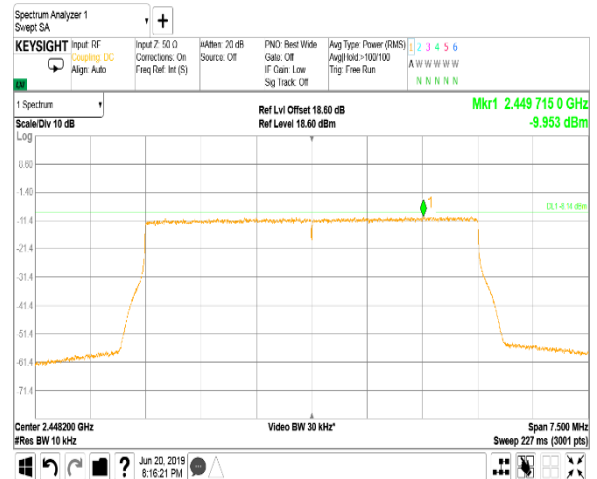
| | | | |
|--|--------------------------------|-------------------------------|----------------------|
| Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density | | | |
| Test procedure: ANSI C63.10 section 11.10.2 | | | |
| Test mode: Compliance | | Verdict: PASS | |
| Date(s): 20-Jun-19 - 24-Jun-19 | | | |
| Temperature: 24.4 °C | Relative Humidity: 49 % | Air Pressure: 1007 hPa | Power: 48 VDC |
| Remarks: | | | |

Plot 7.8.1 Peak spectral power density test results at antenna chain # 1, low frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK

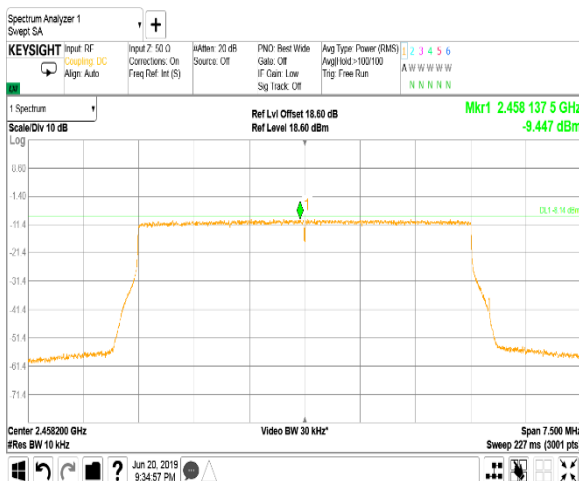


5 MHz
1beam
MODULATION: 64 QAM

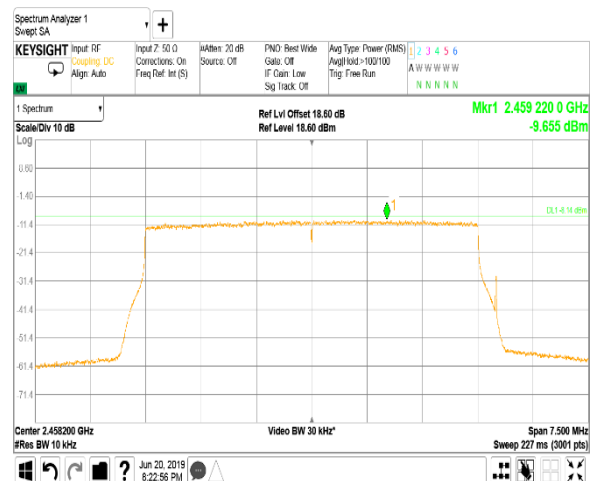


Plot 7.8.2 Peak spectral power density test results at antenna chain # 1, mid frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK



5 MHz
1beam
MODULATION: 64 QAM



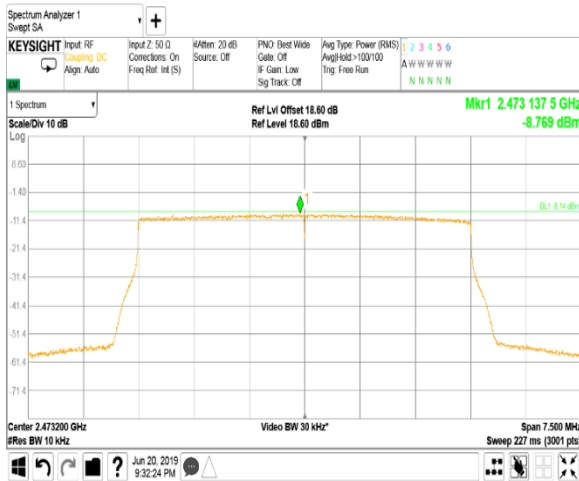


HERMON LABORATORIES

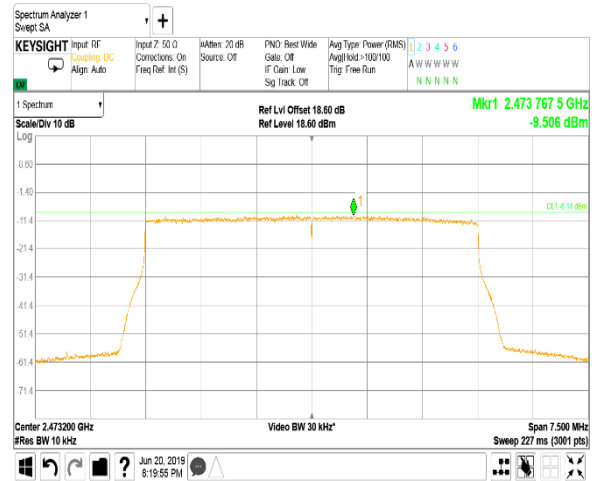
| | | | |
|--|--------------------------------|-------------------------------|----------------------|
| Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density | | | |
| Test procedure: ANSI C63.10 section 11.10.2 | | | |
| Test mode: Compliance | | Verdict: PASS | |
| Date(s): 20-Jun-19 - 24-Jun-19 | | | |
| Temperature: 24.4 °C | Relative Humidity: 49 % | Air Pressure: 1007 hPa | Power: 48 VDC |
| Remarks: | | | |

Plot 7.8.3 Peak spectral power density test results at antenna chain # 1, high frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK

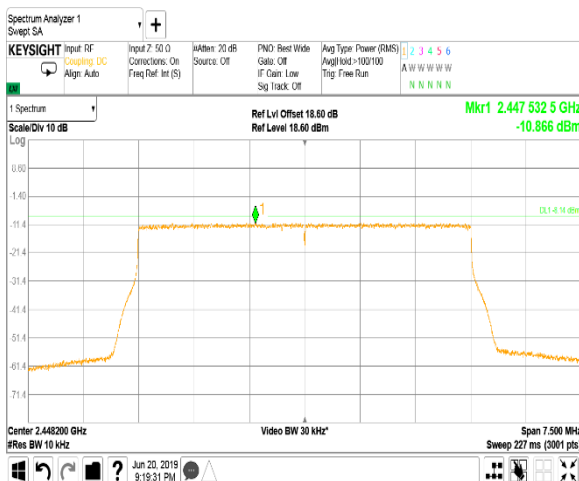


5 MHz
1beam
MODULATION: 64 QAM

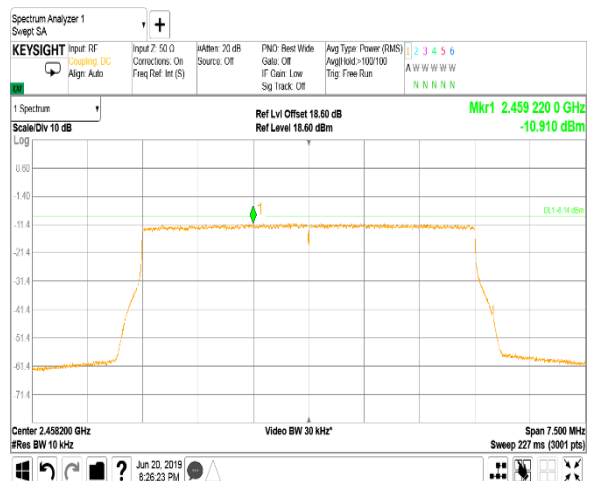


Plot 7.8.4 Peak spectral power density test results at antenna chain # 2, low frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK



5 MHz
1beam
MODULATION: 64 QAM



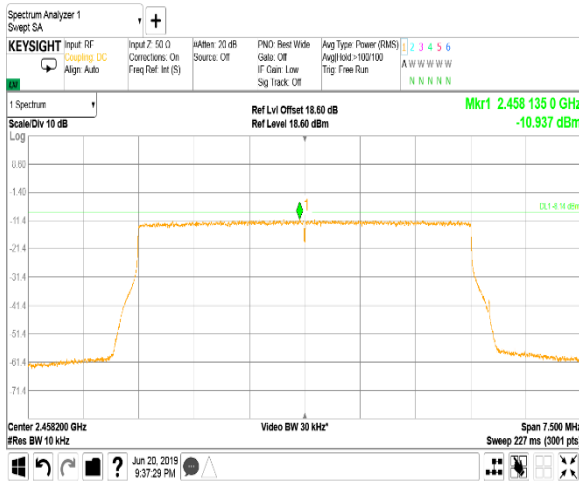


HERMON LABORATORIES

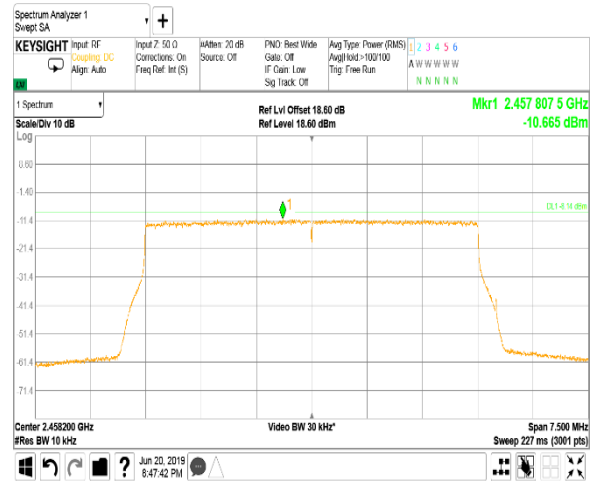
| | | | |
|--|--------------------------------|-------------------------------|----------------------|
| Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density | | | |
| Test procedure: ANSI C63.10 section 11.10.2 | | | |
| Test mode: Compliance | | Verdict: PASS | |
| Date(s): 20-Jun-19 - 24-Jun-19 | | | |
| Temperature: 24.4 °C | Relative Humidity: 49 % | Air Pressure: 1007 hPa | Power: 48 VDC |
| Remarks: | | | |

Plot 7.8.5 Peak spectral power density test results at antenna chain # 2, mid frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK

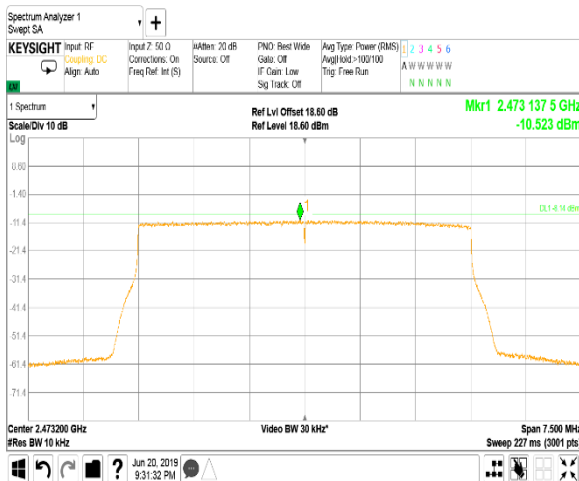


5 MHz
1beam
MODULATION: 64 QAM

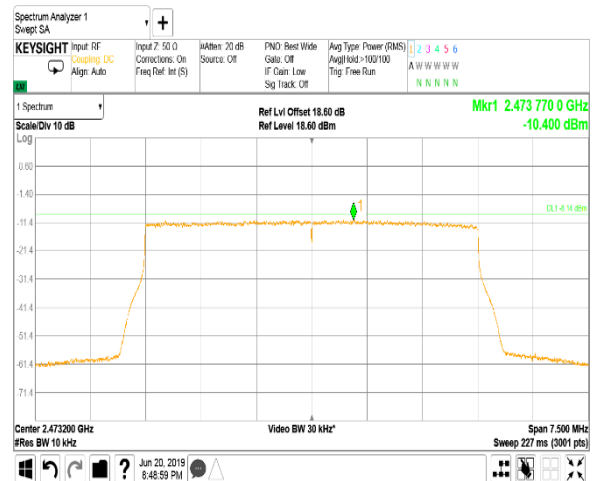


Plot 7.8.6 Peak spectral power density test results at antenna chain # 2, high frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK



5 MHz
1beam
MODULATION: 64 QAM



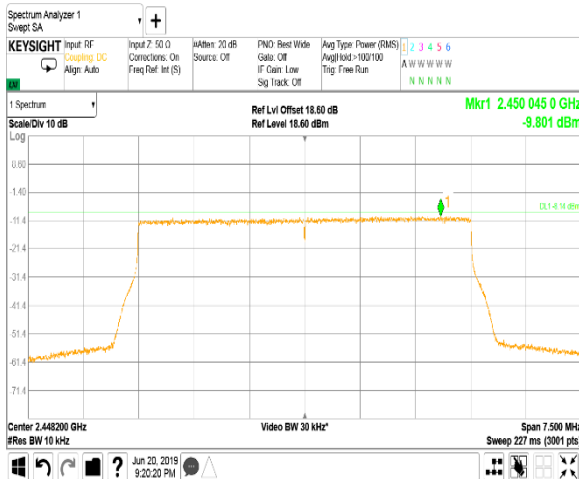


HERMON LABORATORIES

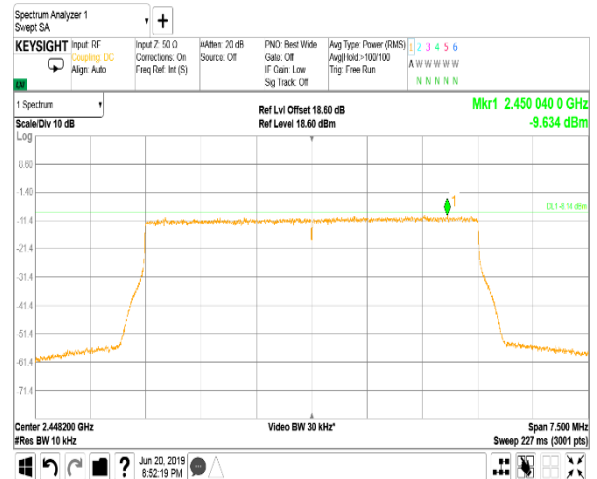
| | | | |
|--|--------------------------------|-------------------------------|----------------------|
| Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density | | | |
| Test procedure: ANSI C63.10 section 11.10.2 | | | |
| Test mode: Compliance | | Verdict: PASS | |
| Date(s): 20-Jun-19 - 24-Jun-19 | | | |
| Temperature: 24.4 °C | Relative Humidity: 49 % | Air Pressure: 1007 hPa | Power: 48 VDC |
| Remarks: | | | |

Plot 7.8.7 Peak spectral power density test results at antenna chain # 3, low frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK

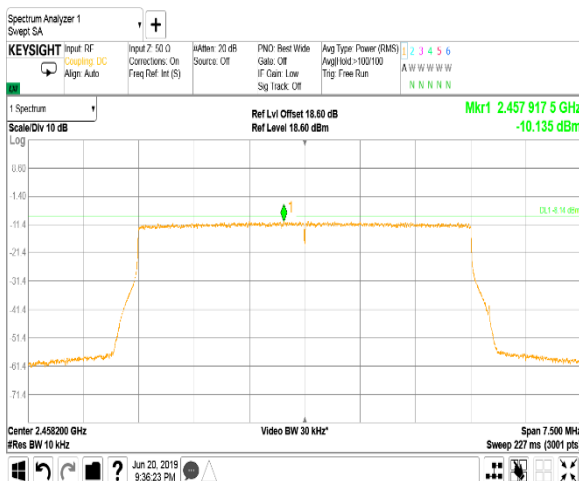


5 MHz
1beam
MODULATION: 64 QAM

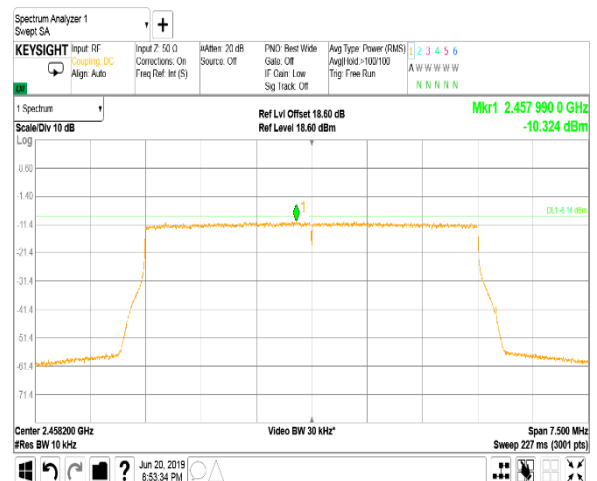


Plot 7.8.8 Peak spectral power density test results at antenna chain # 3, mid frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK



5 MHz
1beam
MODULATION: 64 QAM



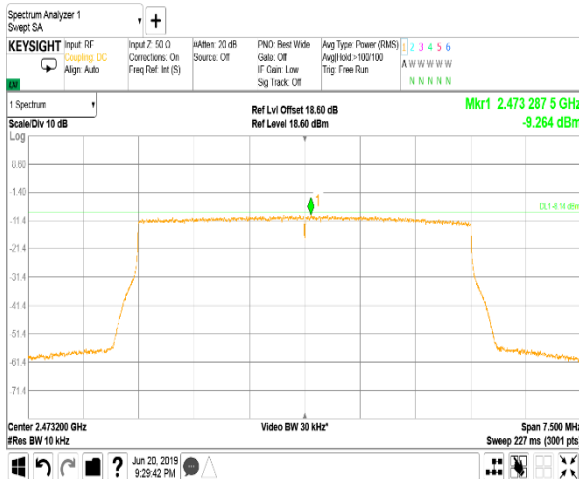


HERMON LABORATORIES

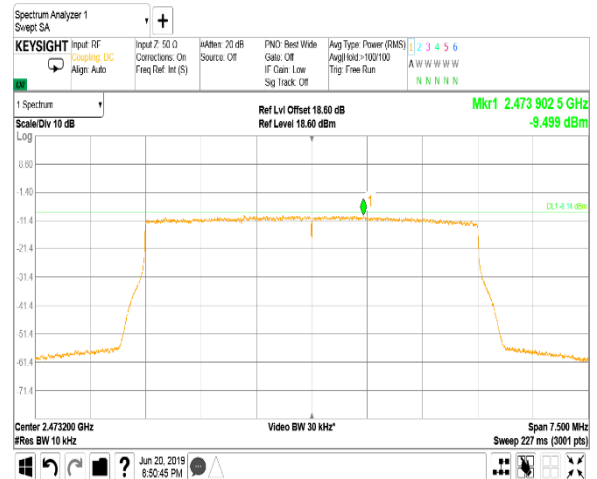
| | | | |
|--|--------------------------------|-------------------------------|----------------------|
| Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density | | | |
| Test procedure: ANSI C63.10 section 11.10.2 | | | |
| Test mode: Compliance | | Verdict: PASS | |
| Date(s): 20-Jun-19 - 24-Jun-19 | | | |
| Temperature: 24.4 °C | Relative Humidity: 49 % | Air Pressure: 1007 hPa | Power: 48 VDC |
| Remarks: | | | |

Plot 7.8.9 Peak spectral power density test results at antenna chain # 3, high frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK

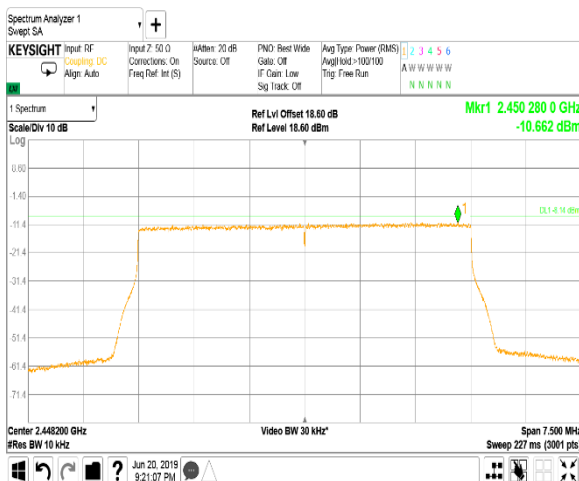


5 MHz
1beam
MODULATION: 64 QAM

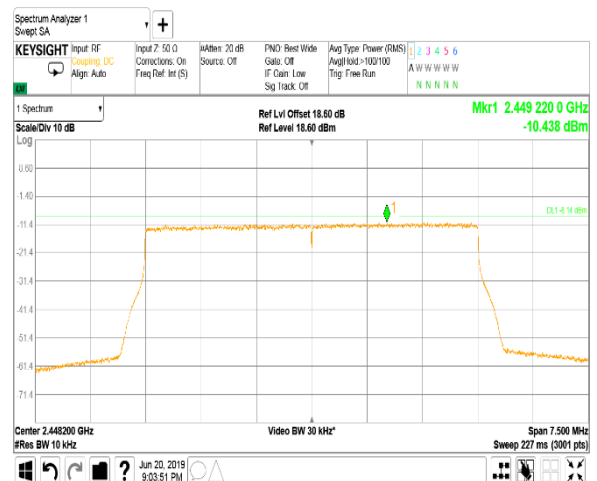


Plot 7.8.10 Peak spectral power density test results at antenna chain # 4, low frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK



5 MHz
1beam
MODULATION: 64 QAM



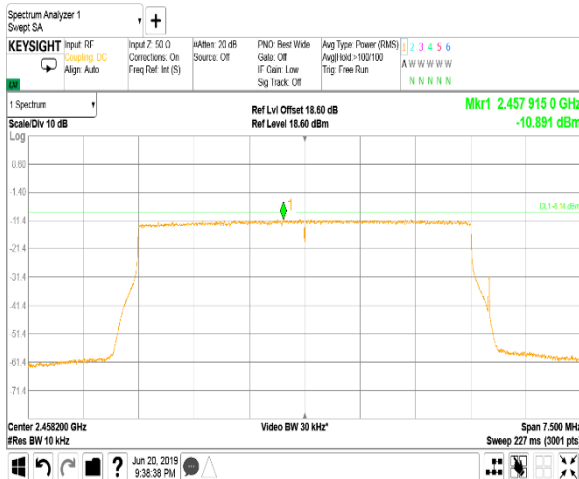


HERMON LABORATORIES

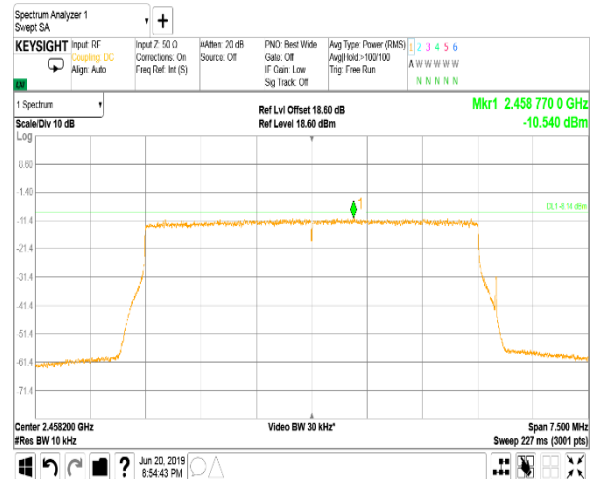
| | | | |
|--|--------------------------------|-------------------------------|----------------------|
| Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density | | | |
| Test procedure: ANSI C63.10 section 11.10.2 | | | |
| Test mode: Compliance | | Verdict: PASS | |
| Date(s): 20-Jun-19 - 24-Jun-19 | | | |
| Temperature: 24.4 °C | Relative Humidity: 49 % | Air Pressure: 1007 hPa | Power: 48 VDC |
| Remarks: | | | |

Plot 7.8.11 Peak spectral power density test results at antenna chain # 4, mid frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK

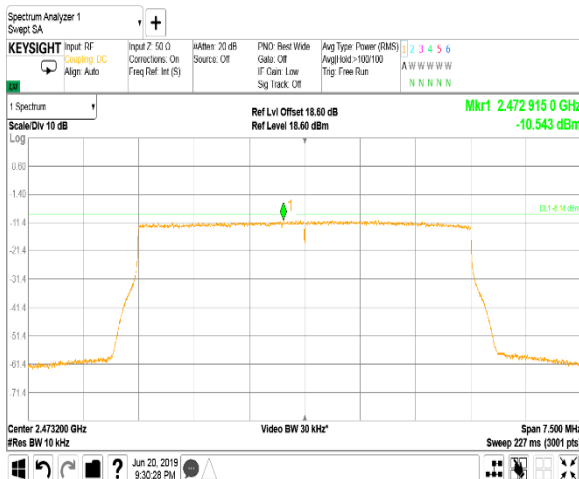


5 MHz
1beam
MODULATION: 64 QAM

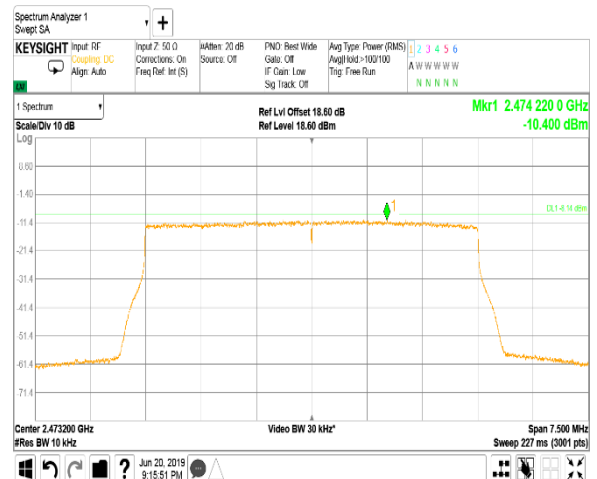


Plot 7.8.12 Peak spectral power density test results at antenna chain # 4, high frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK



5 MHz
1beam
MODULATION: 64 QAM



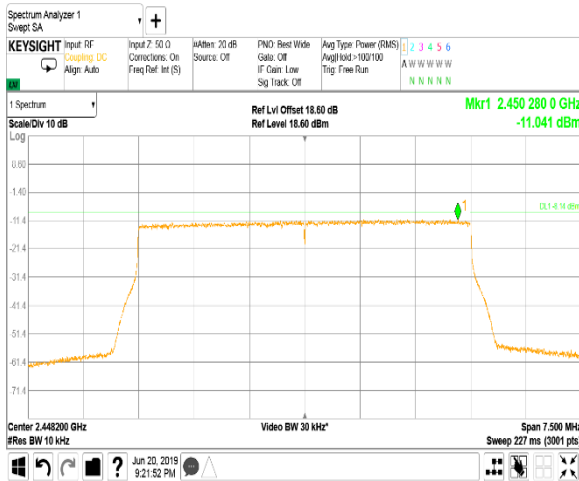


HERMON LABORATORIES

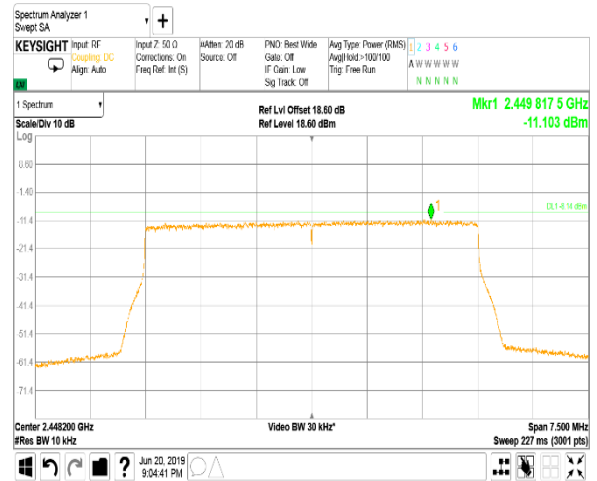
| | | | |
|--|--------------------------------|-------------------------------|----------------------|
| Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density | | | |
| Test procedure: ANSI C63.10 section 11.10.2 | | | |
| Test mode: Compliance | | Verdict: PASS | |
| Date(s): 20-Jun-19 - 24-Jun-19 | | | |
| Temperature: 24.4 °C | Relative Humidity: 49 % | Air Pressure: 1007 hPa | Power: 48 VDC |
| Remarks: | | | |

Plot 7.8.13 Peak spectral power density test results at antenna chain # 5, low frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK

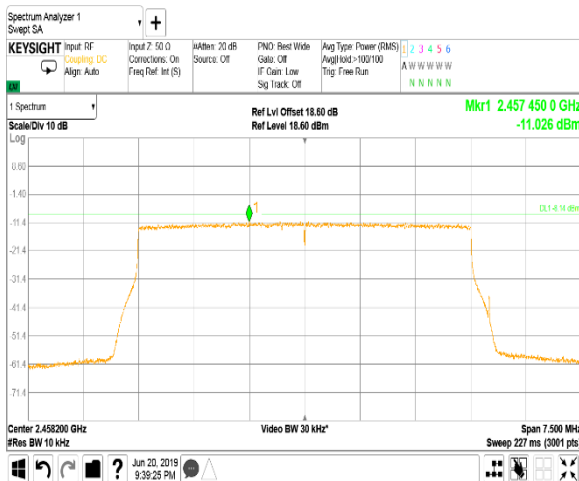


5 MHz
1beam
MODULATION: 64 QAM

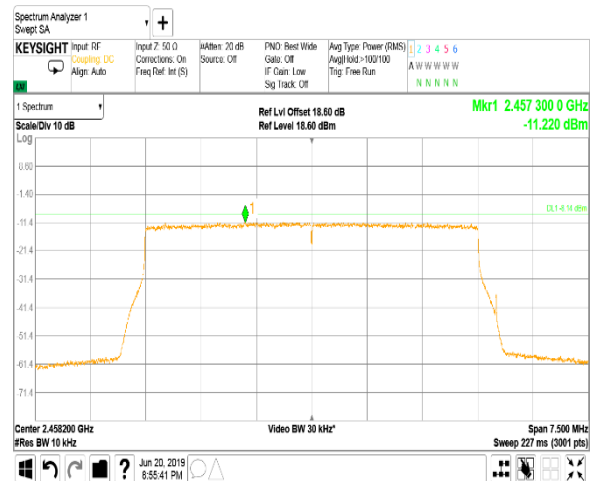


Plot 7.8.14 Peak spectral power density test results at antenna chain # 5, mid frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK



5 MHz
1beam
MODULATION: 64 QAM





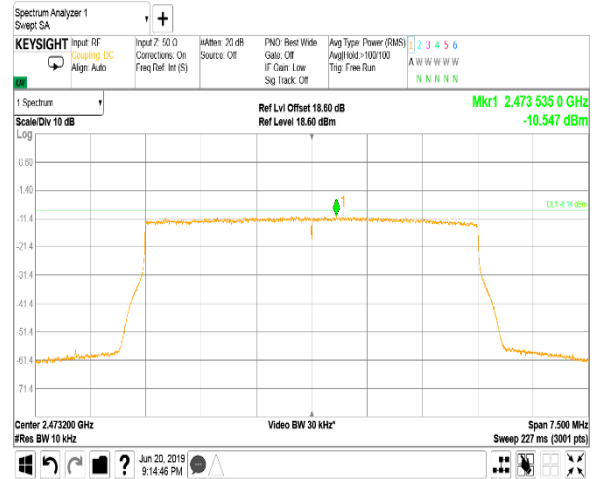
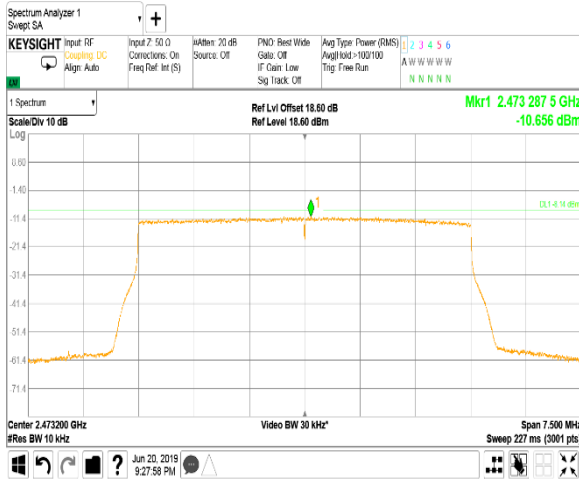
HERMON LABORATORIES

| | | | |
|--|--------------------------------|-------------------------------|----------------------|
| Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density | | | |
| Test procedure: ANSI C63.10 section 11.10.2 | | | |
| Test mode: Compliance | | Verdict: PASS | |
| Date(s): 20-Jun-19 - 24-Jun-19 | | | |
| Temperature: 24.4 °C | Relative Humidity: 49 % | Air Pressure: 1007 hPa | Power: 48 VDC |
| Remarks: | | | |

Plot 7.8.15 Peak spectral power density test results at antenna chain # 5, high frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK

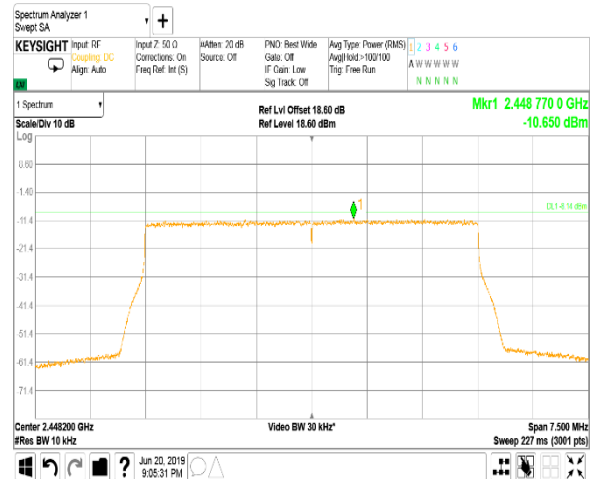
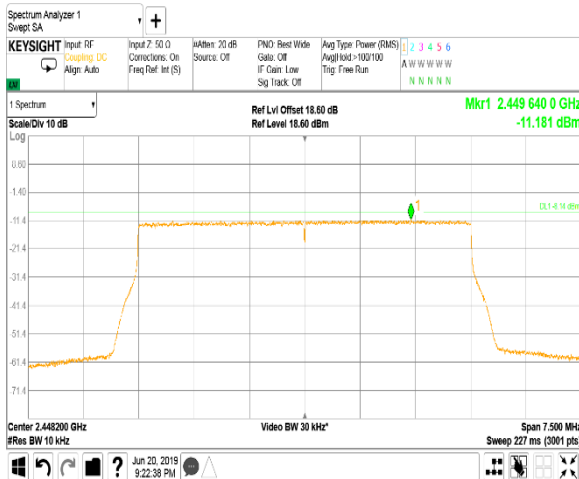
5 MHz
1beam
MODULATION: 64 QAM



Plot 7.8.16 Peak spectral power density test results at antenna chain # 6, low frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK

5 MHz
1beam
MODULATION: 64 QAM



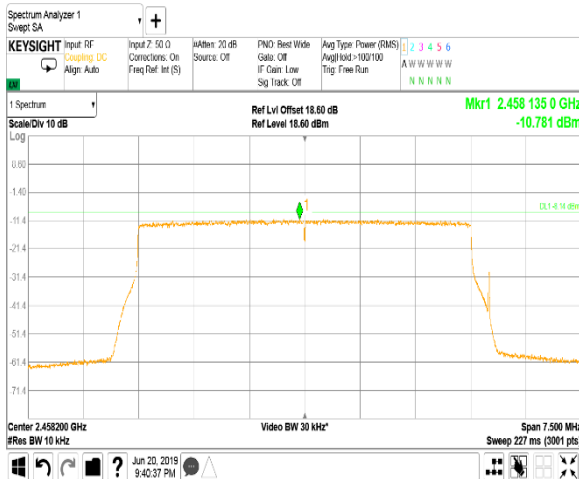


HERMON LABORATORIES

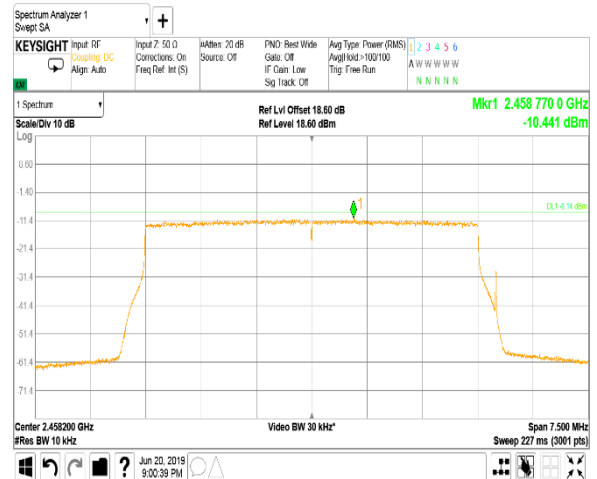
| | | | |
|--|--------------------------------|-------------------------------|----------------------|
| Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density | | | |
| Test procedure: ANSI C63.10 section 11.10.2 | | | |
| Test mode: Compliance | | Verdict: PASS | |
| Date(s): 20-Jun-19 - 24-Jun-19 | | | |
| Temperature: 24.4 °C | Relative Humidity: 49 % | Air Pressure: 1007 hPa | Power: 48 VDC |
| Remarks: | | | |

Plot 7.8.17 Peak spectral power density test results at antenna chain # 6, mid frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK

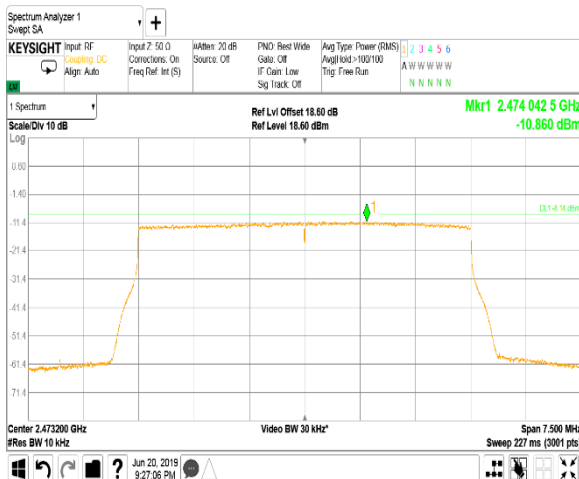


5 MHz
1beam
MODULATION: 64 QAM

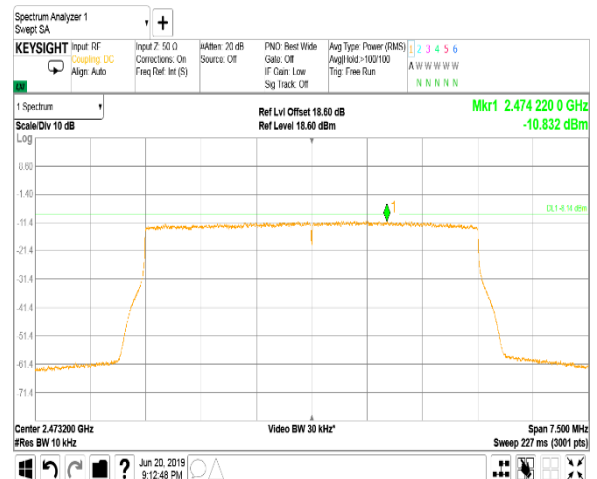


Plot 7.8.18 Peak spectral power density test results at antenna chain # 6, high frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK



5 MHz
1beam
MODULATION: 64 QAM



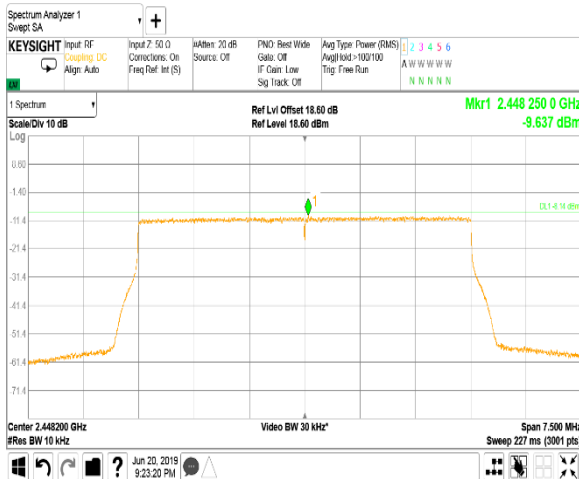


HERMON LABORATORIES

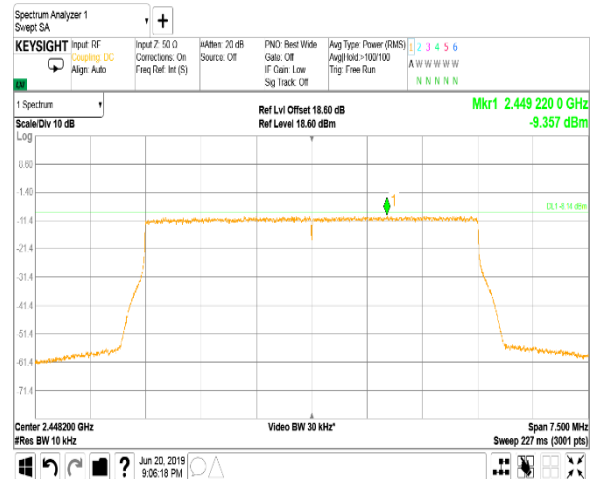
| | | | |
|--|--------------------------------|-------------------------------|----------------------|
| Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density | | | |
| Test procedure: ANSI C63.10 section 11.10.2 | | | |
| Test mode: Compliance | | Verdict: PASS | |
| Date(s): 20-Jun-19 - 24-Jun-19 | | | |
| Temperature: 24.4 °C | Relative Humidity: 49 % | Air Pressure: 1007 hPa | Power: 48 VDC |
| Remarks: | | | |

Plot 7.8.19 Peak spectral power density test results at antenna chain # 7, low frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK

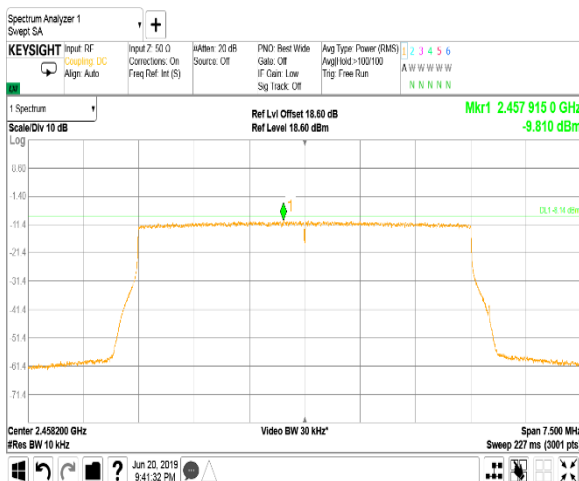


5 MHz
1beam
MODULATION: 64 QAM

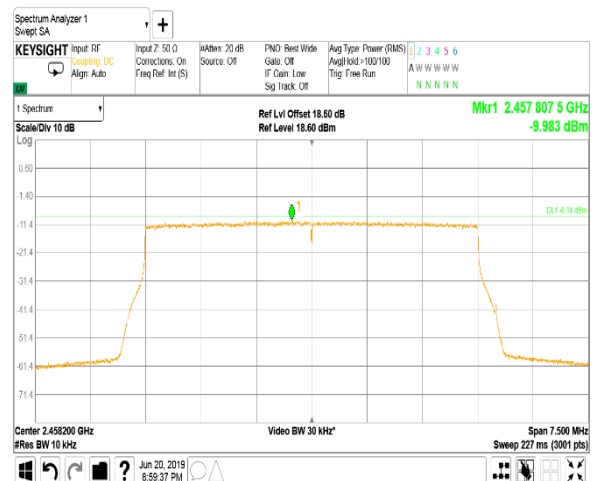


Plot 7.8.20 Peak spectral power density test results at antenna chain # 7, mid frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK



5 MHz
1beam
MODULATION: 64 QAM



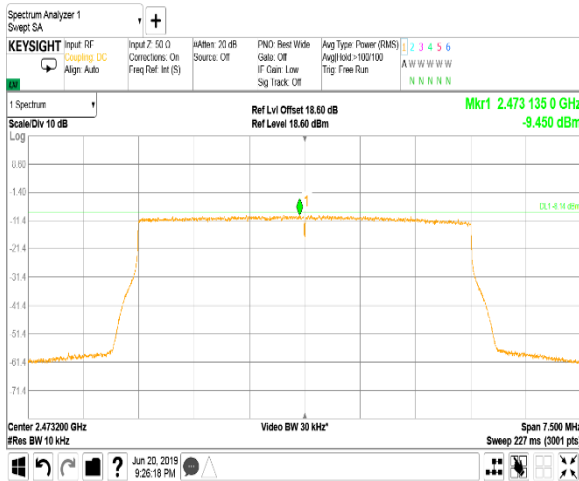


HERMON LABORATORIES

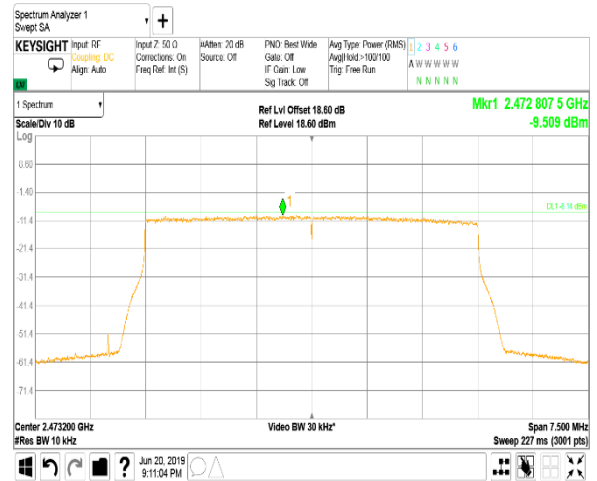
| | | | |
|--|--------------------------------|-------------------------------|----------------------|
| Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density | | | |
| Test procedure: ANSI C63.10 section 11.10.2 | | | |
| Test mode: Compliance | | Verdict: PASS | |
| Date(s): 20-Jun-19 - 24-Jun-19 | | | |
| Temperature: 24.4 °C | Relative Humidity: 49 % | Air Pressure: 1007 hPa | Power: 48 VDC |
| Remarks: | | | |

Plot 7.8.21 Peak spectral power density test results at antenna chain # 7, high frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK

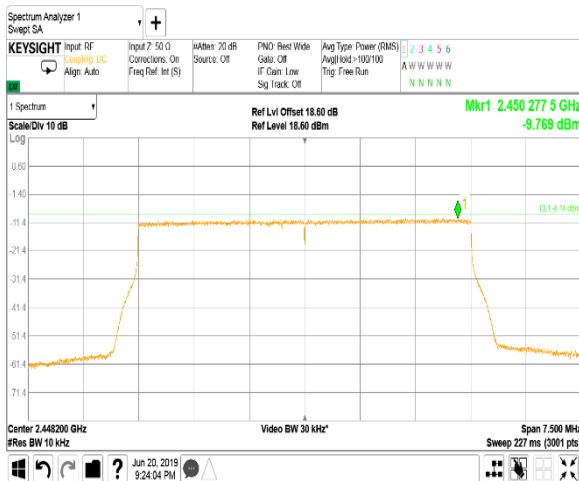


5 MHz
1beam
MODULATION: 64 QAM

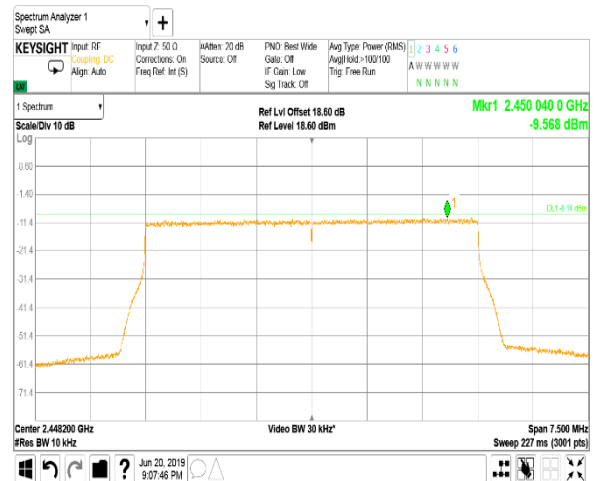


Plot 7.8.22 Peak spectral power density test results at antenna chain # 8, low frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK



5 MHz
1beam
MODULATION: 64 QAM



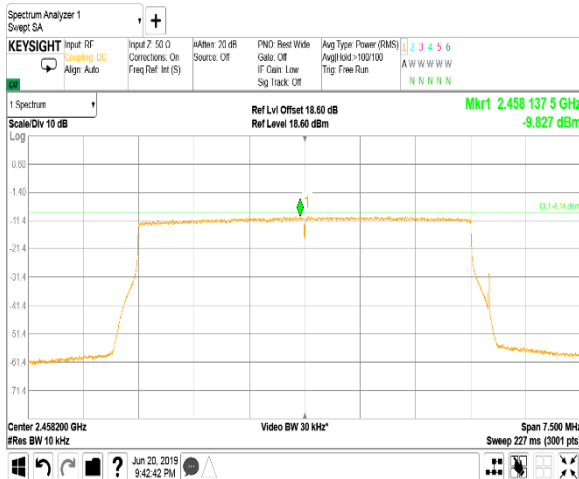


HERMON LABORATORIES

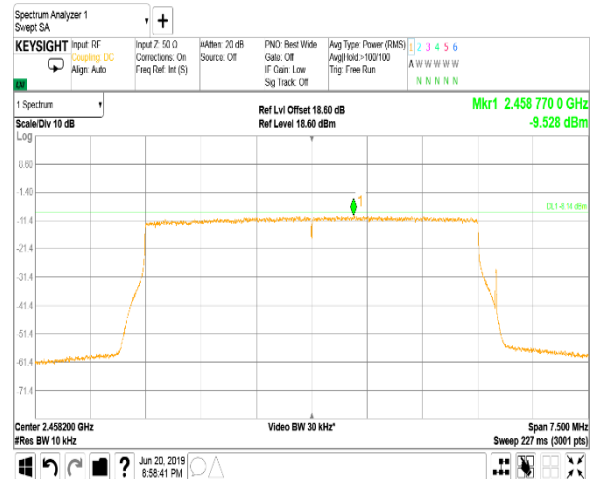
| | | | |
|--|--------------------------------|-------------------------------|----------------------|
| Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density | | | |
| Test procedure: ANSI C63.10 section 11.10.2 | | | |
| Test mode: Compliance | | Verdict: PASS | |
| Date(s): 20-Jun-19 - 24-Jun-19 | | | |
| Temperature: 24.4 °C | Relative Humidity: 49 % | Air Pressure: 1007 hPa | Power: 48 VDC |
| Remarks: | | | |

Plot 7.8.23 Peak spectral power density test results at antenna chain # 8, mid frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK

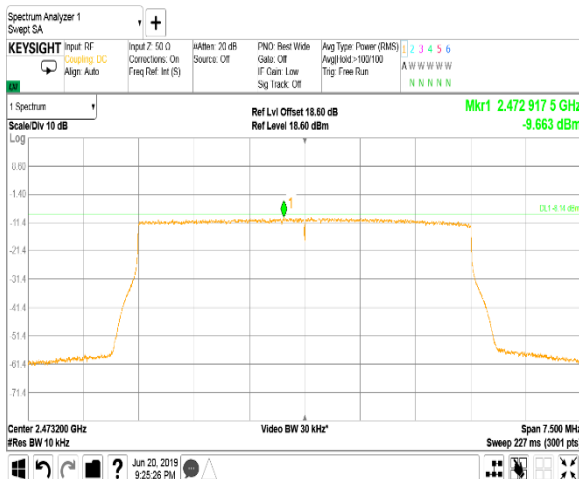


5 MHz
1beam
MODULATION: 64 QAM

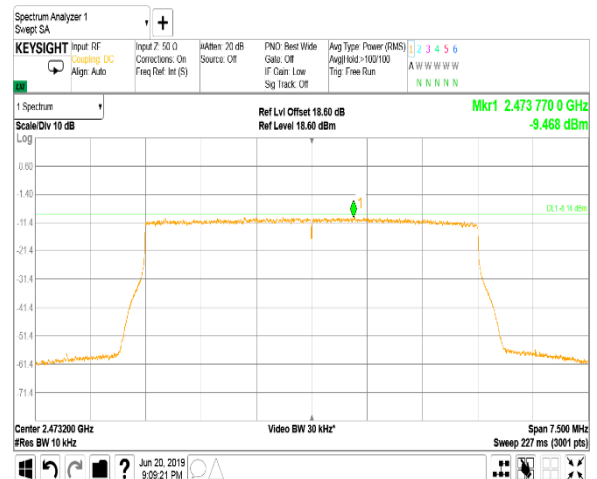


Plot 7.8.24 Peak spectral power density test results at antenna chain # 8, high frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK



5 MHz
1beam
MODULATION: 64 QAM



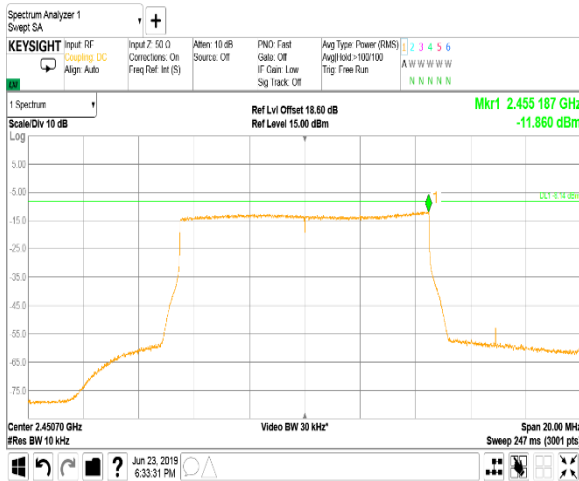


HERMON LABORATORIES

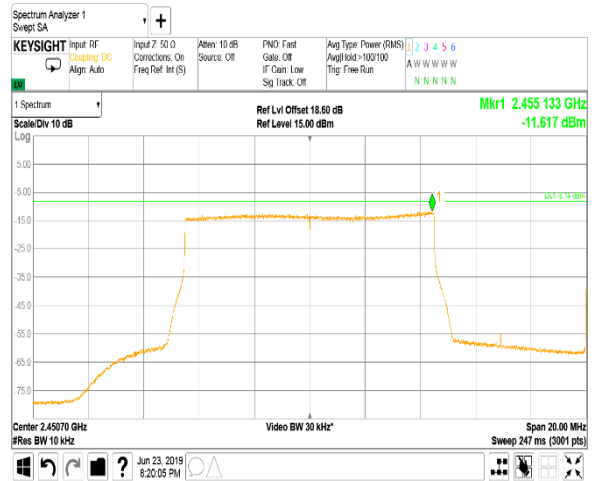
| | | | |
|--|--------------------------------|-------------------------------|----------------------|
| Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density | | | |
| Test procedure: ANSI C63.10 section 11.10.2 | | | |
| Test mode: Compliance | | Verdict: PASS | |
| Date(s): 20-Jun-19 - 24-Jun-19 | | | |
| Temperature: 24.4 °C | Relative Humidity: 49 % | Air Pressure: 1007 hPa | Power: 48 VDC |
| Remarks: | | | |

Plot 7.8.25 Peak spectral power density test results at antenna chain # 1, low frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK

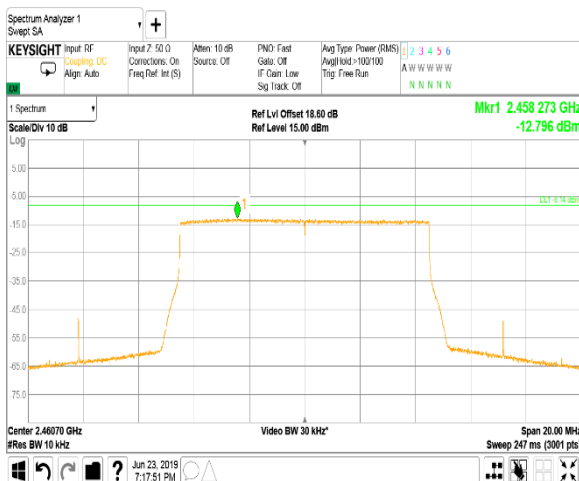


10 MHz
1beam
MODULATION: 64 QAM

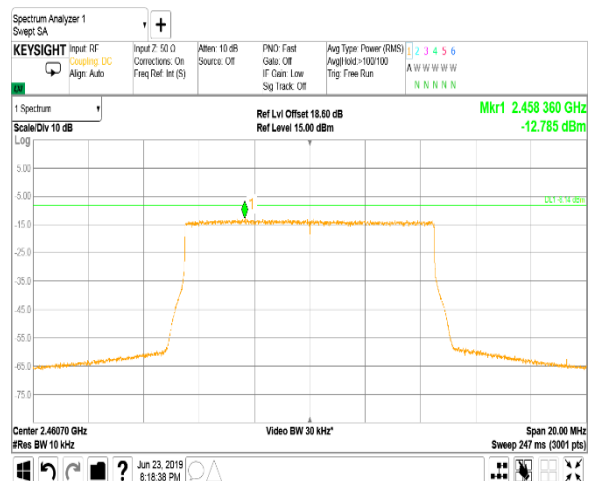


Plot 7.8.26 Peak spectral power density test results at antenna chain # 1, mid frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK



10 MHz
1beam
MODULATION: 64 QAM



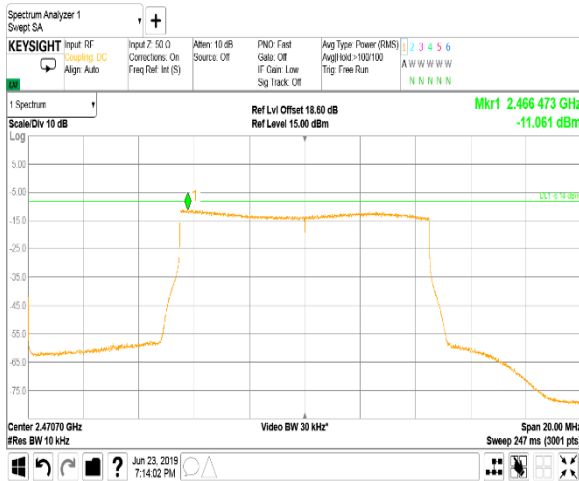


HERMON LABORATORIES

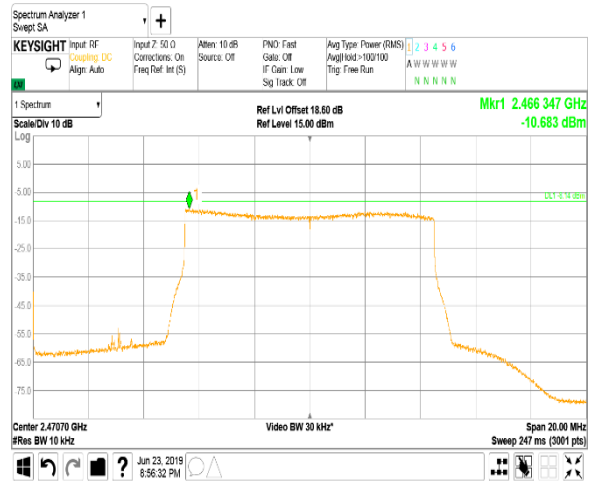
| | | | |
|--|--------------------------------|-------------------------------|----------------------|
| Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density | | | |
| Test procedure: ANSI C63.10 section 11.10.2 | | | |
| Test mode: Compliance | | Verdict: PASS | |
| Date(s): 20-Jun-19 - 24-Jun-19 | | | |
| Temperature: 24.4 °C | Relative Humidity: 49 % | Air Pressure: 1007 hPa | Power: 48 VDC |
| Remarks: | | | |

Plot 7.8.27 Peak spectral power density test results at antenna chain # 1, high frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK



10 MHz
1beam
MODULATION: 64 QAM

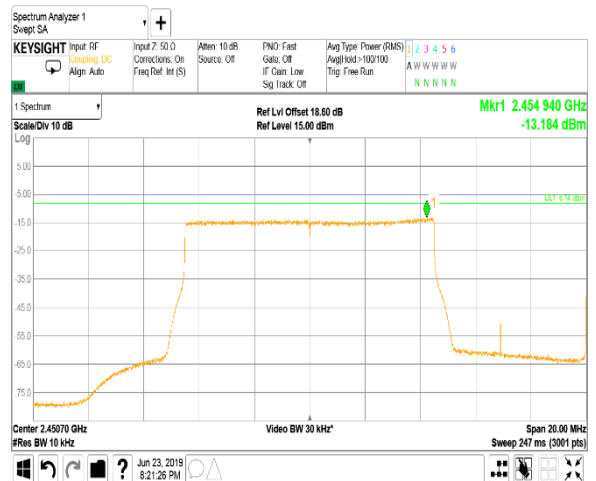


Plot 7.8.28 Peak spectral power density test results at antenna chain # 2, low frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK



10 MHz
1beam
MODULATION: 64 QAM



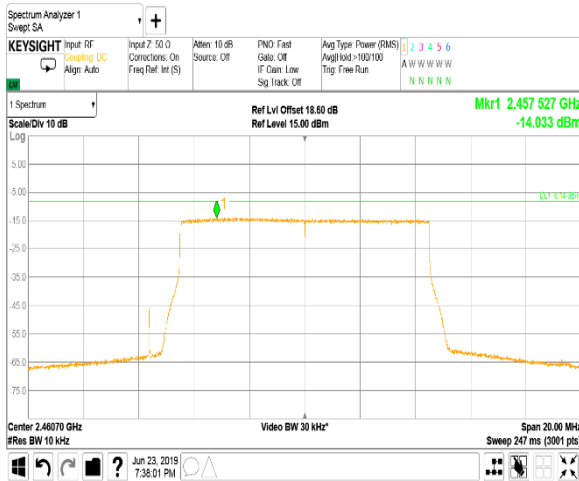


HERMON LABORATORIES

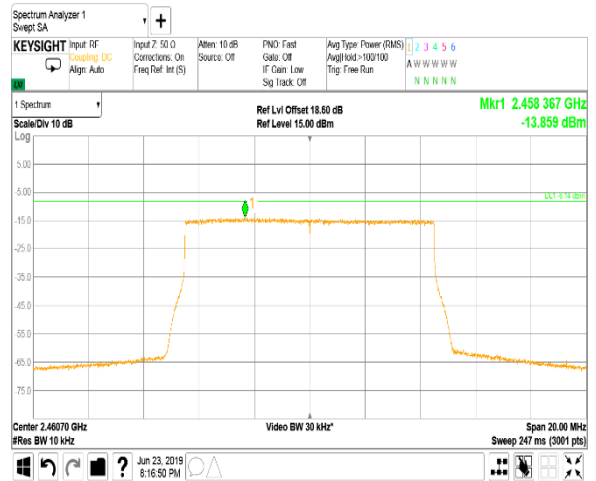
| | | | |
|--|--------------------------------|-------------------------------|----------------------|
| Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density | | | |
| Test procedure: ANSI C63.10 section 11.10.2 | | | |
| Test mode: Compliance | | Verdict: PASS | |
| Date(s): 20-Jun-19 - 24-Jun-19 | | | |
| Temperature: 24.4 °C | Relative Humidity: 49 % | Air Pressure: 1007 hPa | Power: 48 VDC |
| Remarks: | | | |

Plot 7.8.29 Peak spectral power density test results at antenna chain # 2, mid frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK

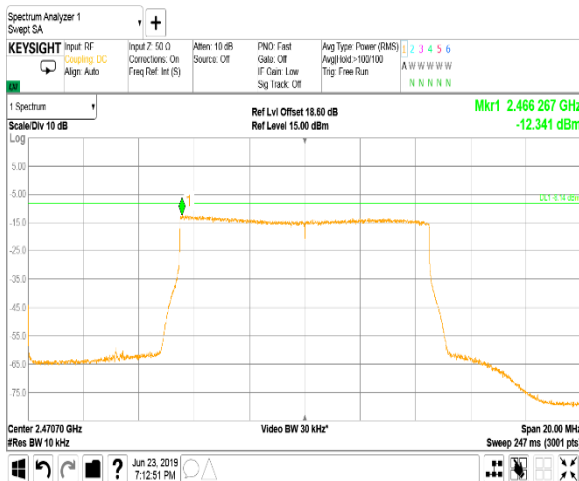


10 MHz
1beam
MODULATION: 64 QAM



Plot 7.8.30 Peak spectral power density test results at antenna chain # 2, high frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK



10 MHz
1beam
MODULATION: 64 QAM

