



HERMON LABORATORIES

Report ID: DAGRAD_FCC.41601_RRU

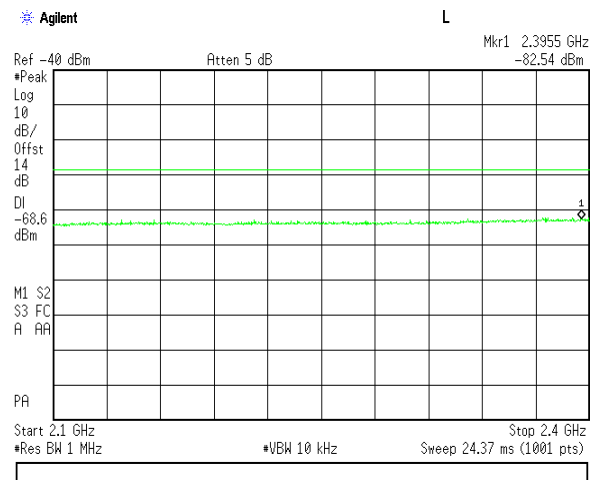
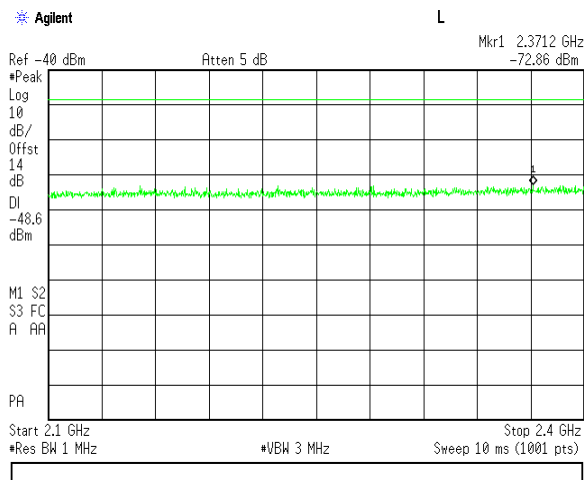
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.5 Spurious emission measurements in 2100 - 2400 MHz range at antenna chain # 3, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

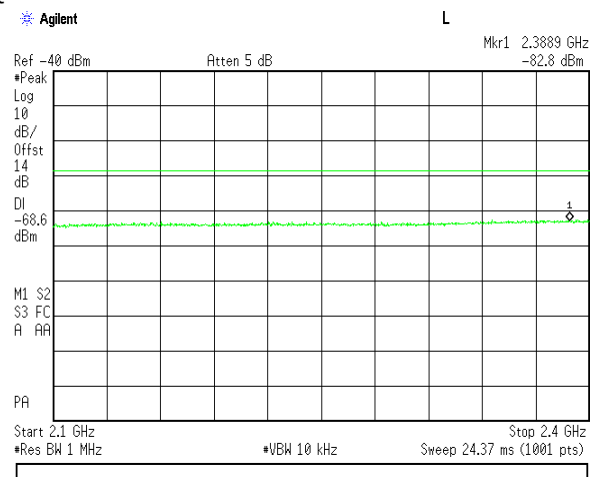
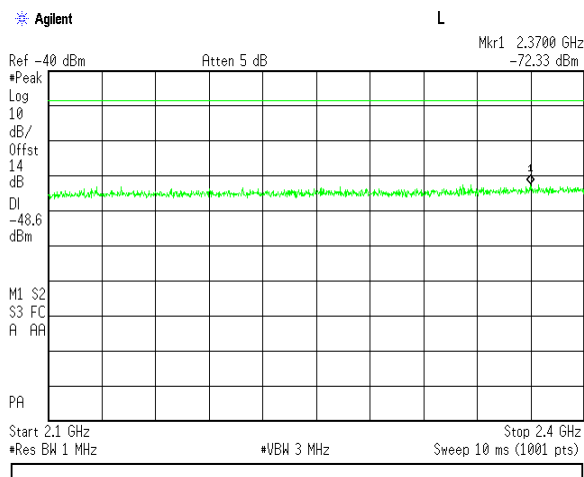
5 MHz
4 non-overlapping beams
QPSK



Plot 7.7.6 Spurious emission measurements in 2100 - 2400 MHz range at antenna chain # 3, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

5 MHz
4 non-overlapping beams
64 QAM





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Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.7 Spurious emission measurements in 2100 - 2400 MHz range at antenna chain # 4, low carrier frequency

CHANNEL BANDWIDTH:

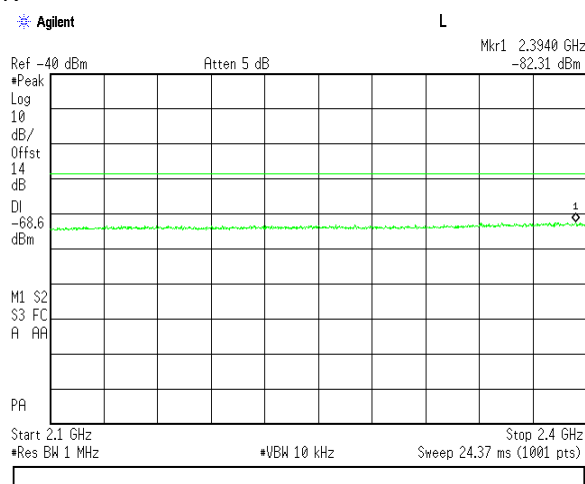
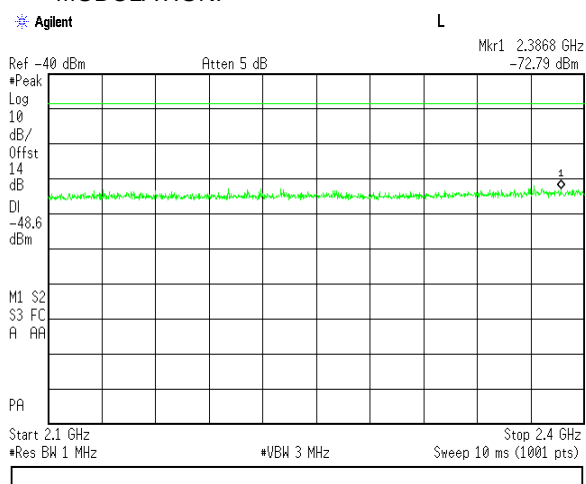
CONFIGURATION:

MODULATION:

5 MHz

4 non-overlapping beams

QPSK



Plot 7.7.8 Spurious emission measurements in 2100 - 2400 MHz range at antenna chain # 4, low carrier frequency

CHANNEL BANDWIDTH:

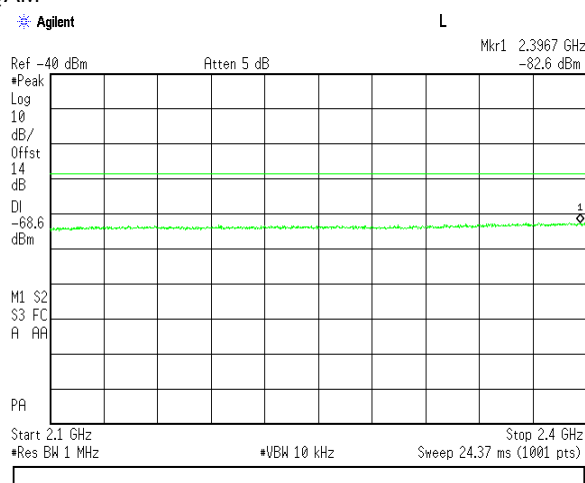
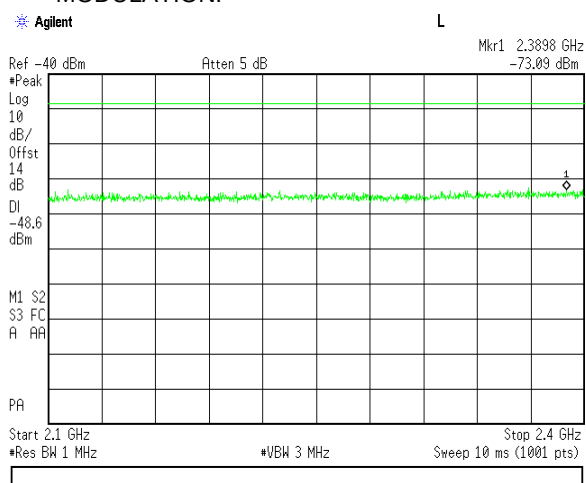
CONFIGURATION:

MODULATION:

5 MHz

4 non-overlapping beams

64 QAM





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Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.9 Spurious emission measurements in 2100 - 2400 MHz range at antenna chain # 5, low carrier frequency

CHANNEL BANDWIDTH:

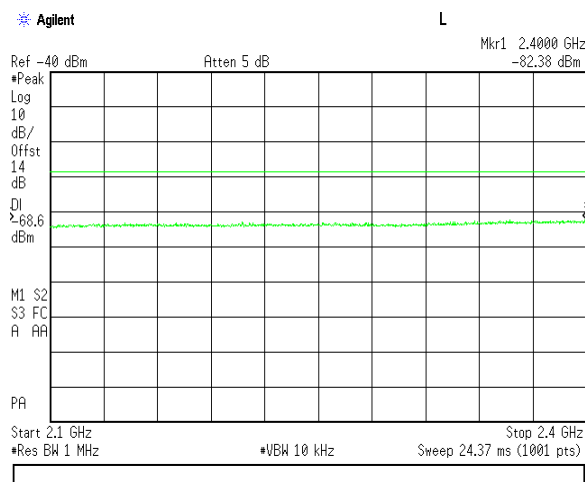
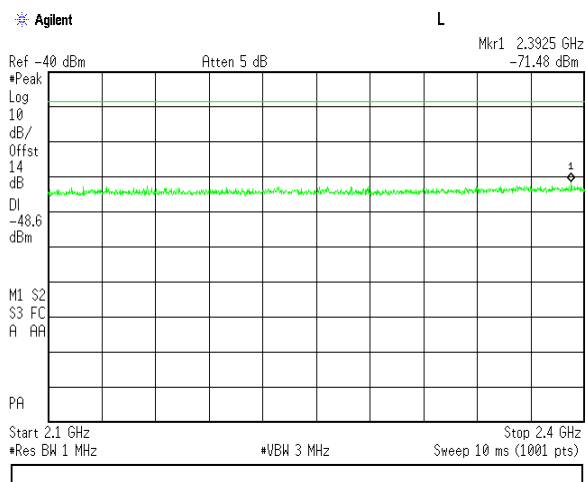
CONFIGURATION:

MODULATION:

5 MHz

4 non-overlapping beams

QPSK



Plot 7.7.10 Spurious emission measurements in 2100 - 2400 MHz range at antenna chain # 5, low carrier frequency

CHANNEL BANDWIDTH:

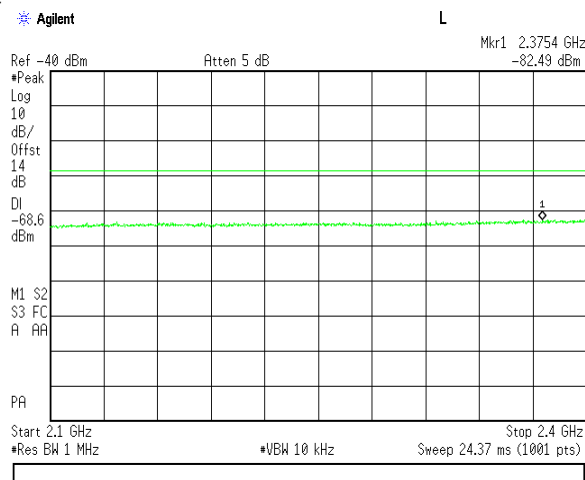
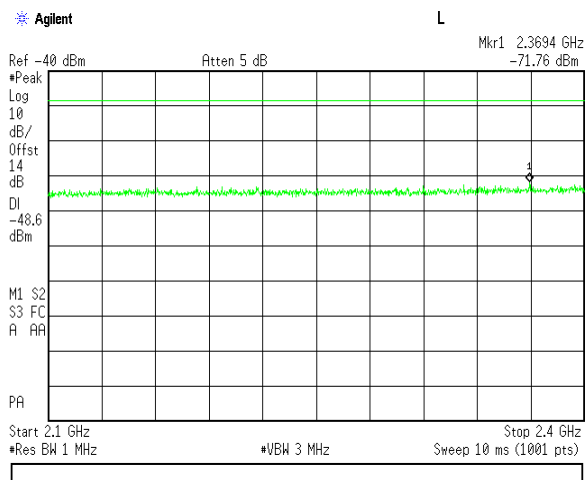
CONFIGURATION:

MODULATION:

5 MHz

4 non-overlapping beams

64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

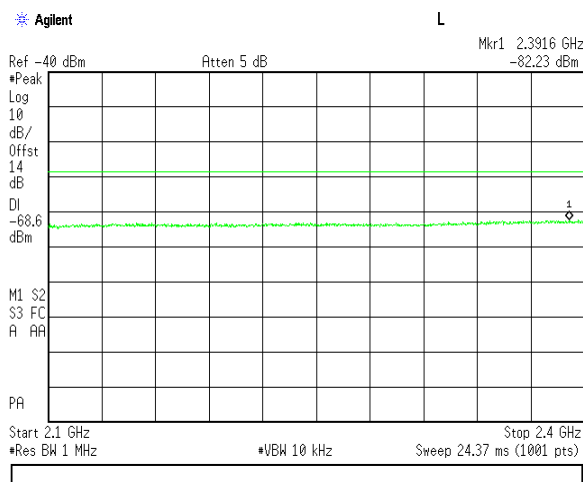
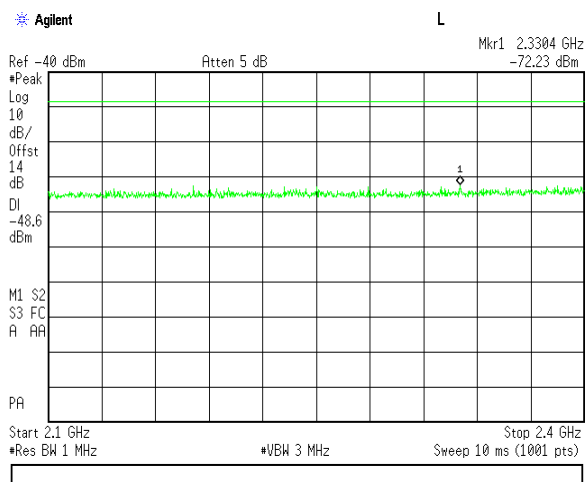
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.11 Spurious emission measurements in 2100 - 2400 MHz range at antenna chain # 6, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

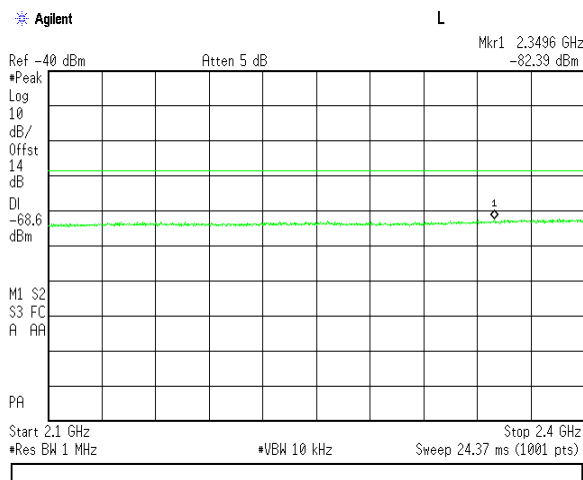
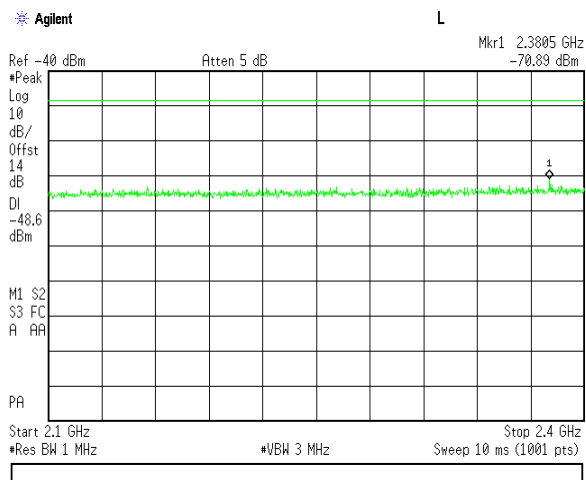
5 MHz
4 non-overlapping beams
QPSK



Plot 7.7.12 Spurious emission measurements in 2100 - 2400 MHz range at antenna chain # 6, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

5 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

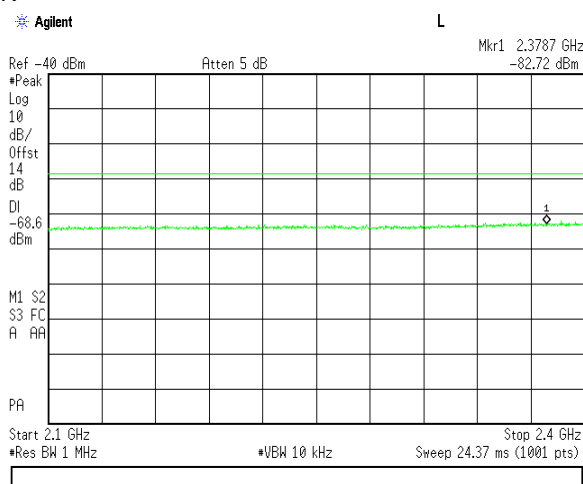
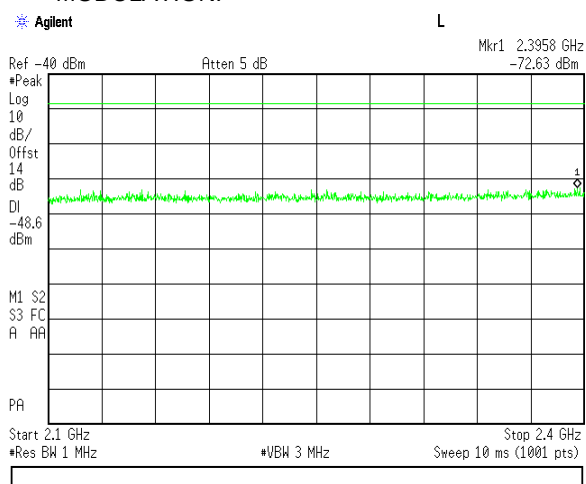
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.13 Spurious emission measurements in 2100 - 2400 MHz range at antenna chain # 7, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

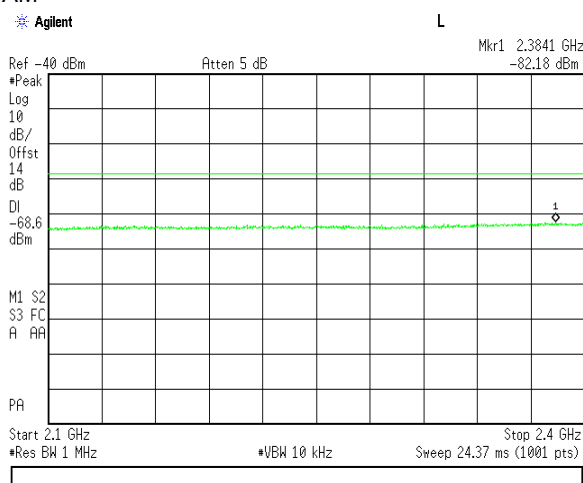
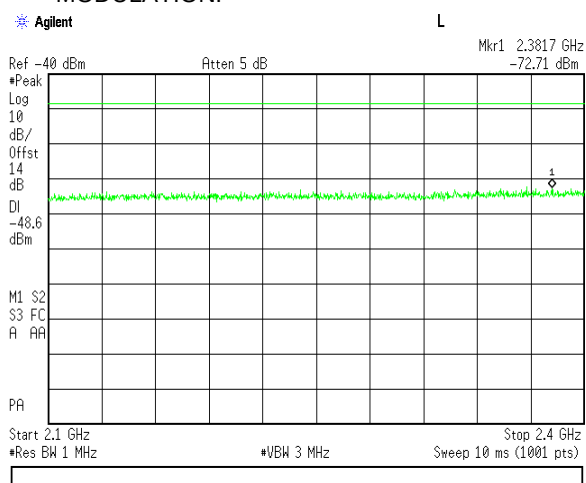
5 MHz
4 non-overlapping beams
QPSK



Plot 7.7.14 Spurious emission measurements in 2100 - 2400 MHz range at antenna chain # 7, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

5 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

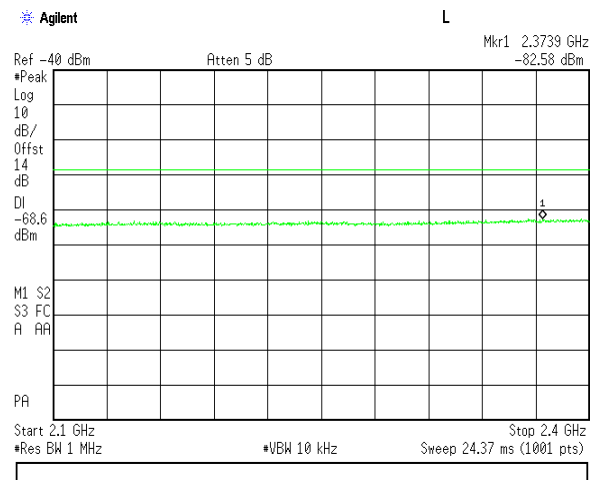
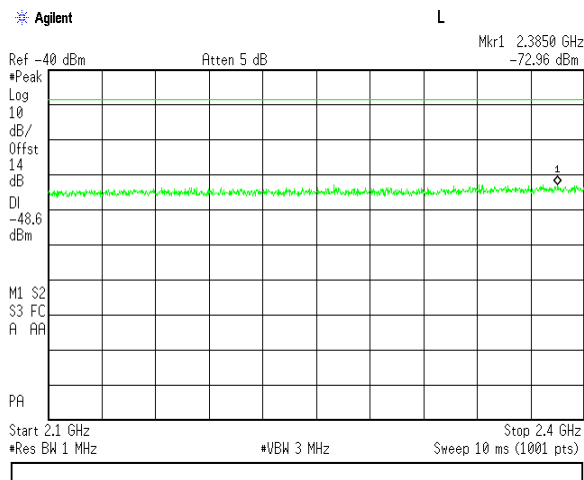
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.15 Spurious emission measurements in 2100 - 2400 MHz range at antenna chain # 8, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

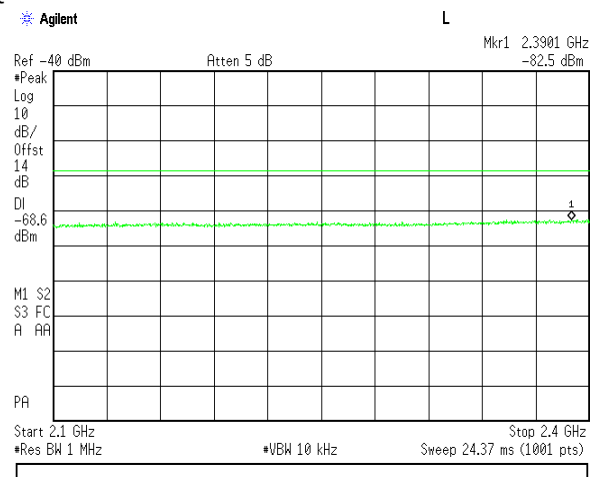
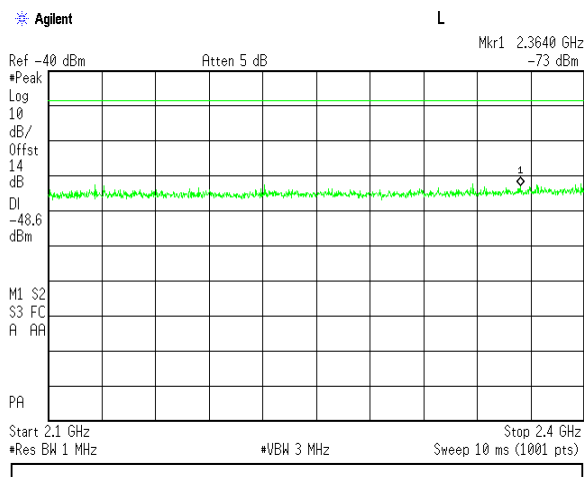
5 MHz
4 non-overlapping beams
QPSK



Plot 7.7.16 Spurious emission measurements in 2100 - 2400 MHz range at antenna chain # 8, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

5 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

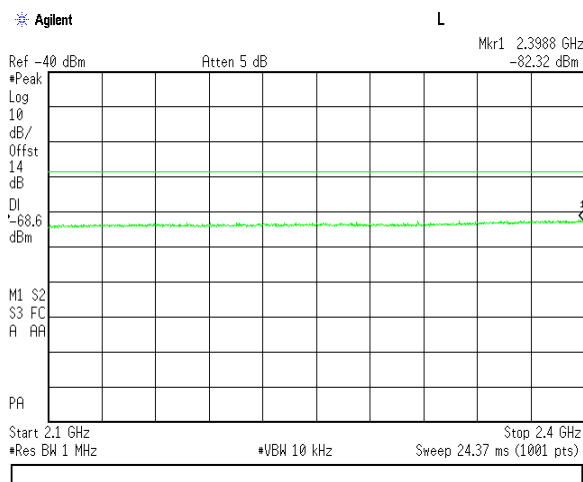
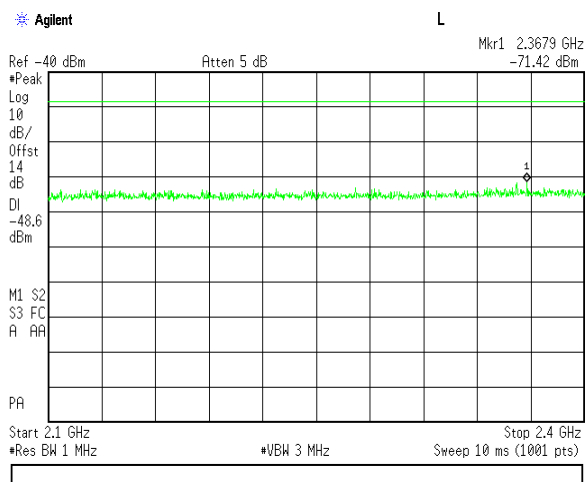
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.17 Spurious emission measurements in 2100 - 2400 MHz range at antenna chain # 1, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

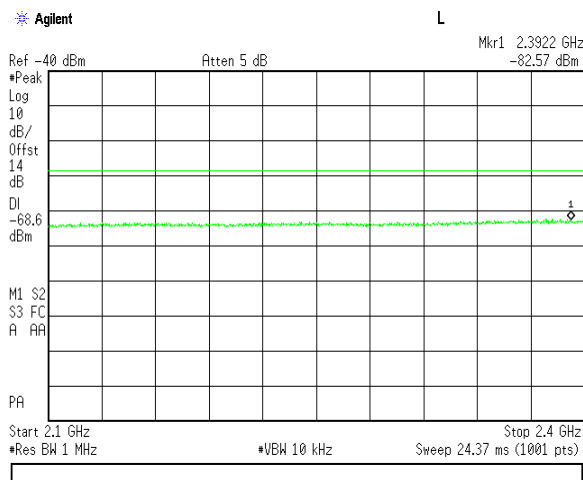
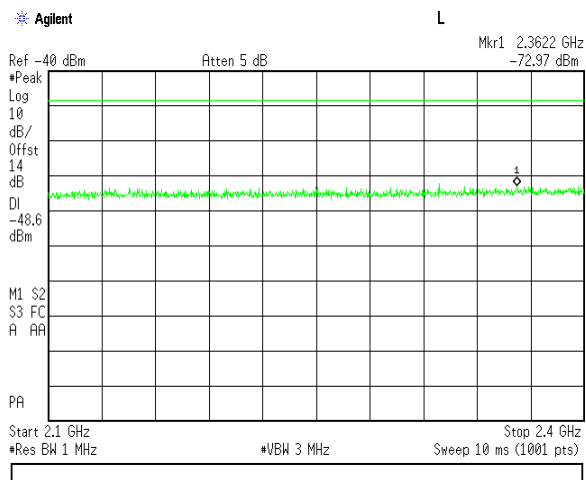
10 MHz
4 non-overlapping beams
QPSK



Plot 7.7.18 Spurious emission measurements in 2100 - 2400 MHz range at antenna chain # 1, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

10 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

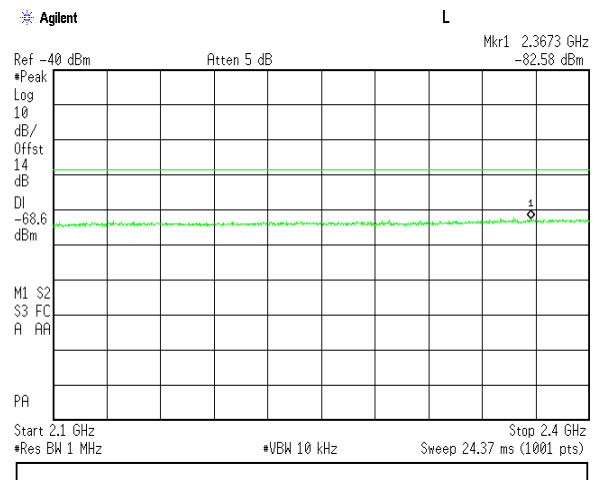
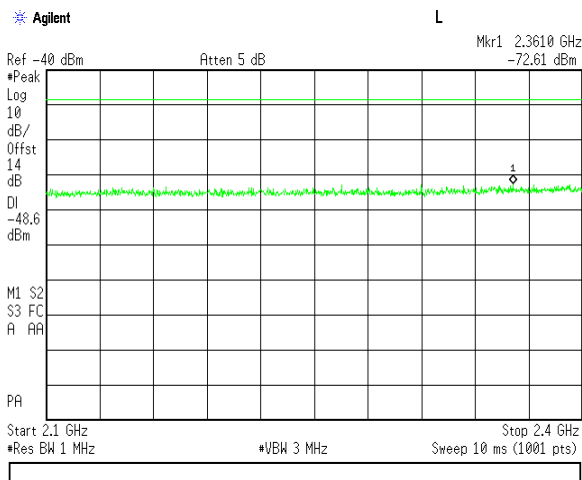
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.19 Spurious emission measurements in 2100 - 2400 MHz range at antenna chain # 2, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

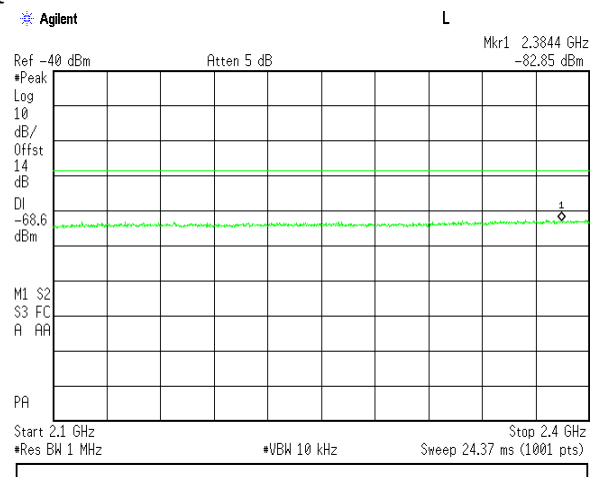
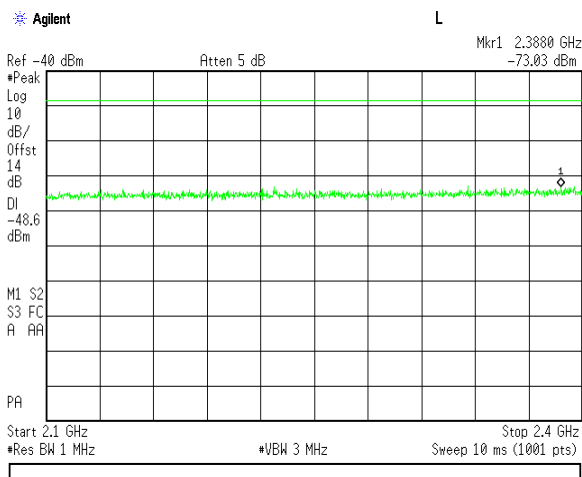
10 MHz
4 non-overlapping beams
QPSK



Plot 7.7.20 Spurious emission measurements in 2100 - 2400 MHz range at antenna chain # 2, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

10 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

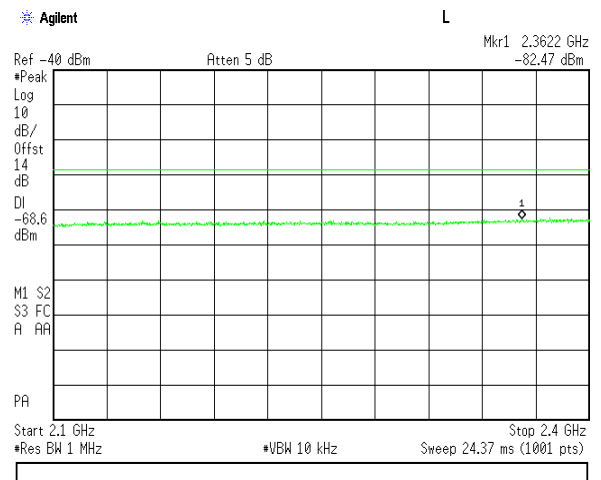
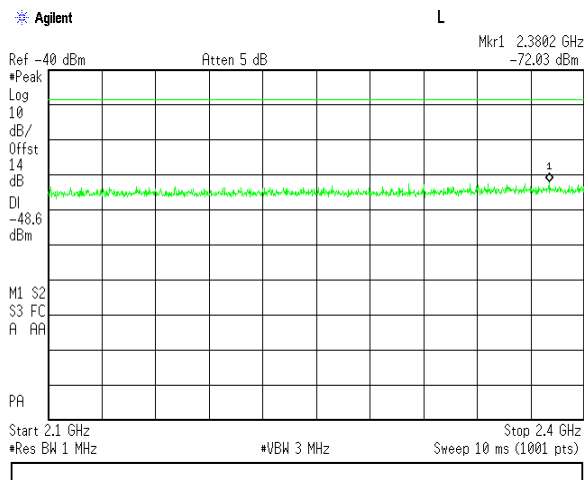
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.21 Band edge emission measurements in 2100 - 2400 MHz range at antenna chain # 3, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

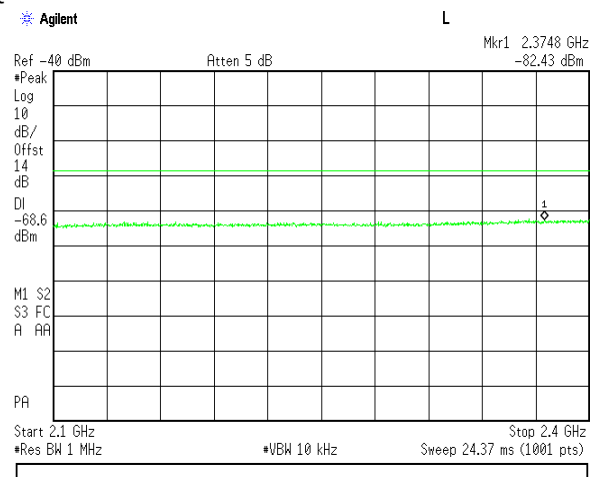
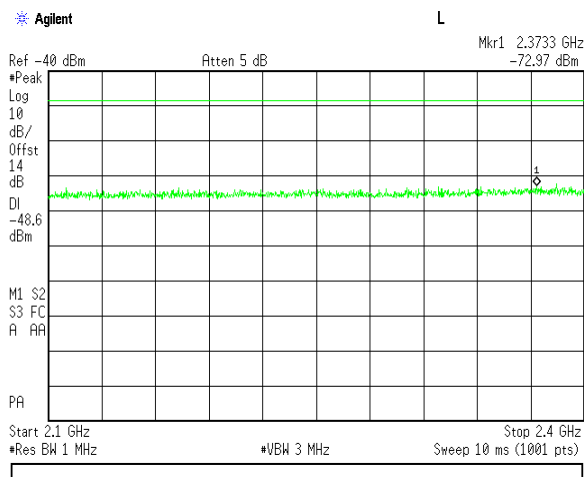
10 MHz
4 non-overlapping beams
QPSK



Plot 7.7.22 Band edge emission measurements in 2100 - 2400 MHz range at antenna chain # 3, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

10 MHz
4 non-overlapping beams
64 QAM





HERMON LABORATORIES

Report ID: DAGRAD_FCC.41601_RRU

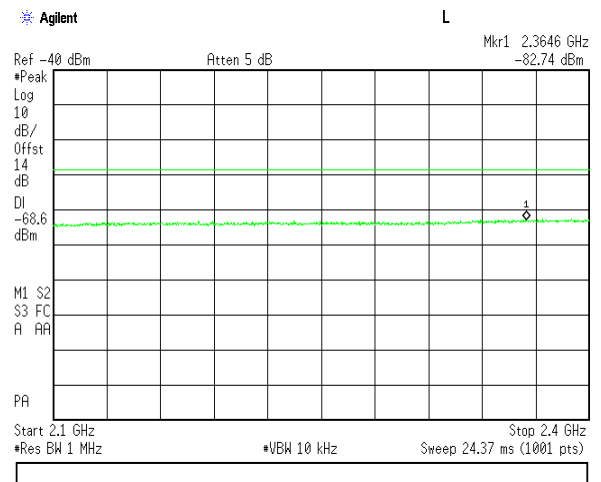
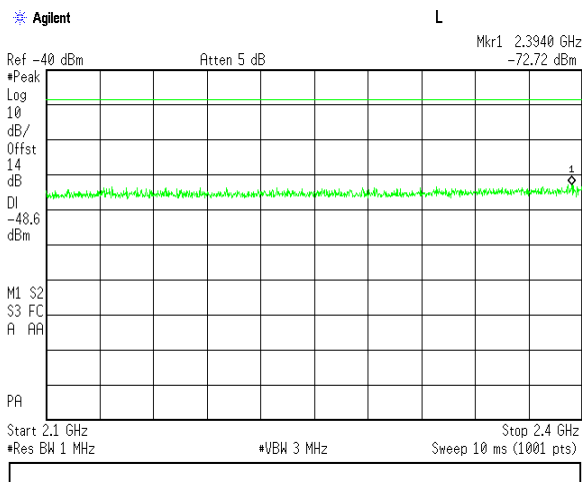
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.23 Band edge emission measurements in 2100 - 2400 MHz range at antenna chain # 4, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

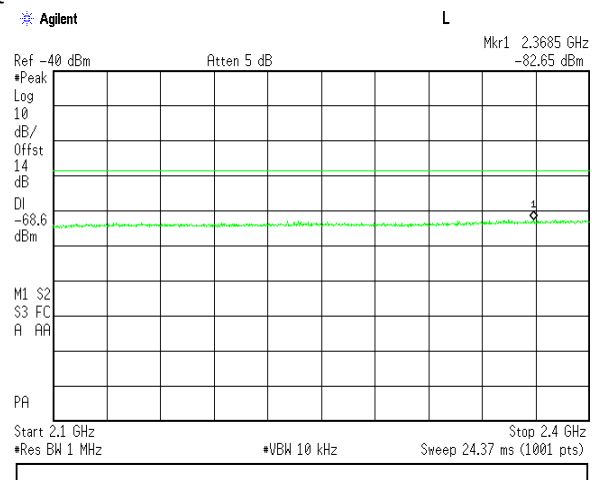
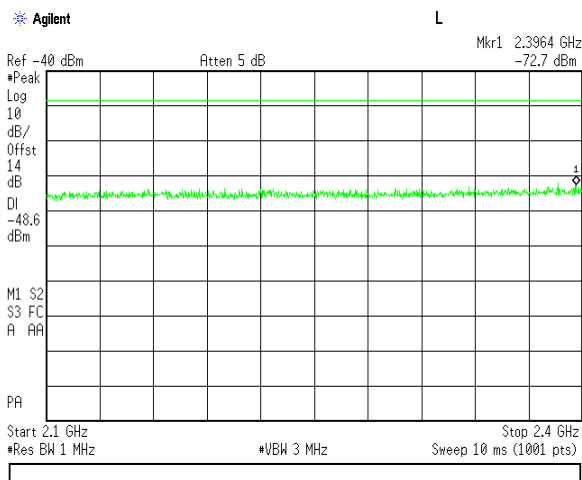
10 MHz
4 non-overlapping beams
QPSK



Plot 7.7.24 Band edge emission measurements in 2100 - 2400 MHz range at antenna chain # 4, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

10 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

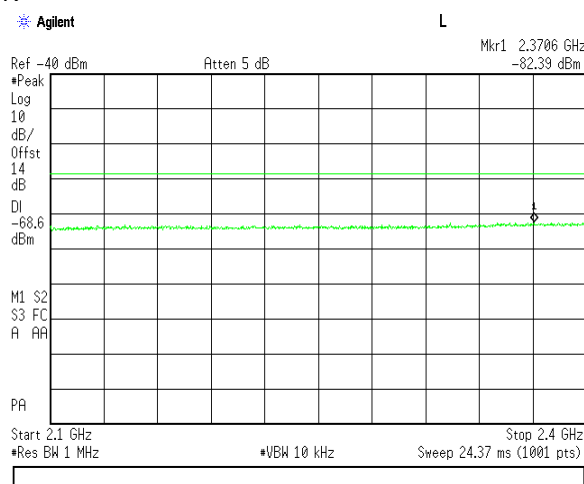
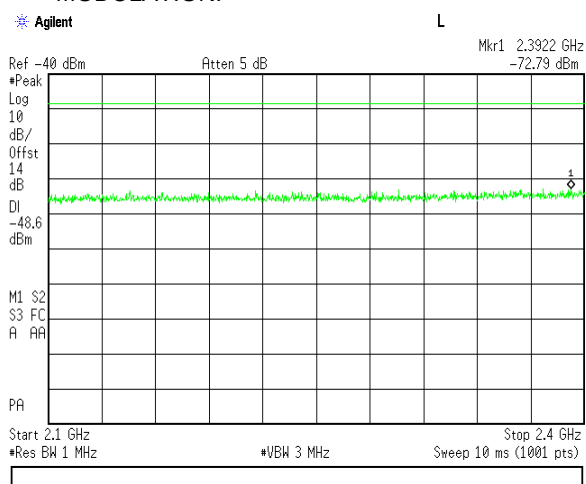
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.25 Band edge emission measurements in 2100 - 2400 MHz range at antenna chain # 5, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

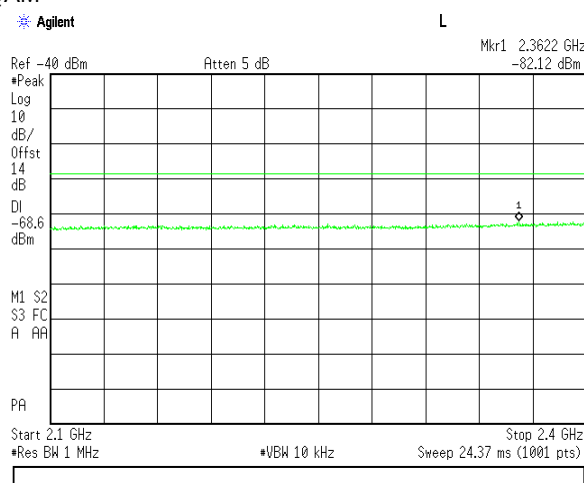
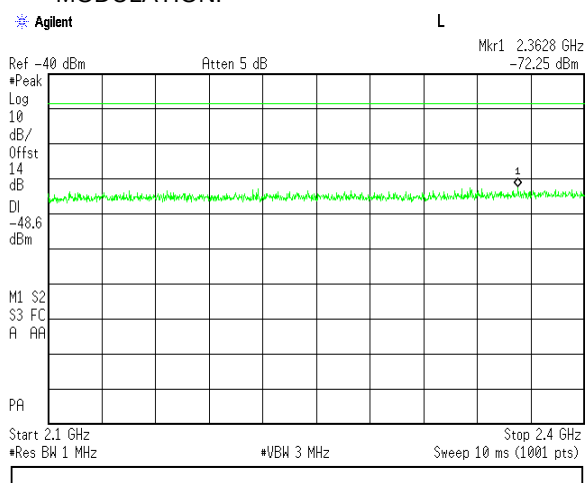
10 MHz
4 non-overlapping beams
QPSK



Plot 7.7.26 Band edge emission measurements in 2100 - 2400 MHz range at antenna chain # 5, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

10 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

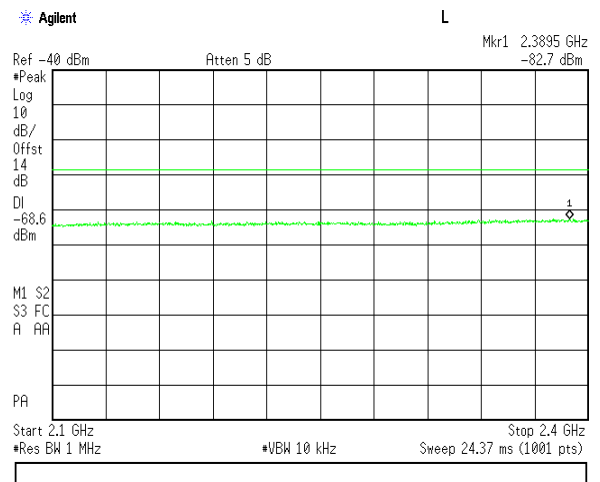
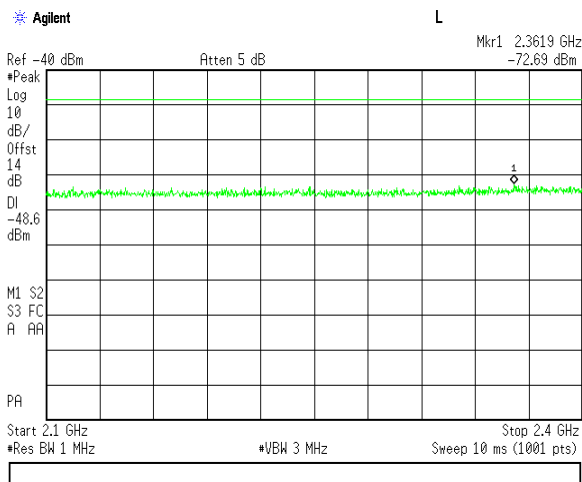
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.27 Band edge emission measurements in 2100 - 2400 MHz range at antenna chain # 6, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

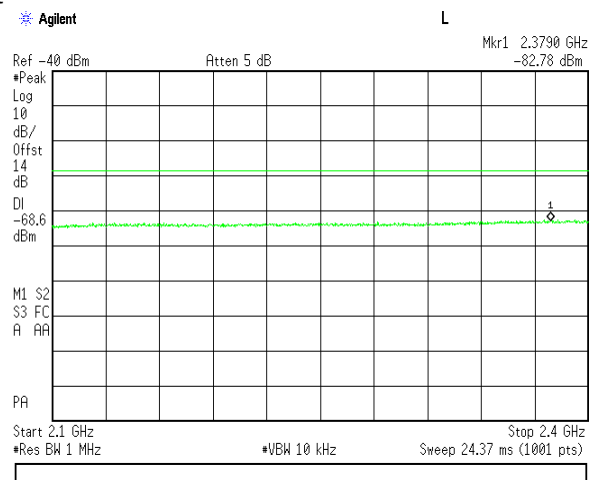
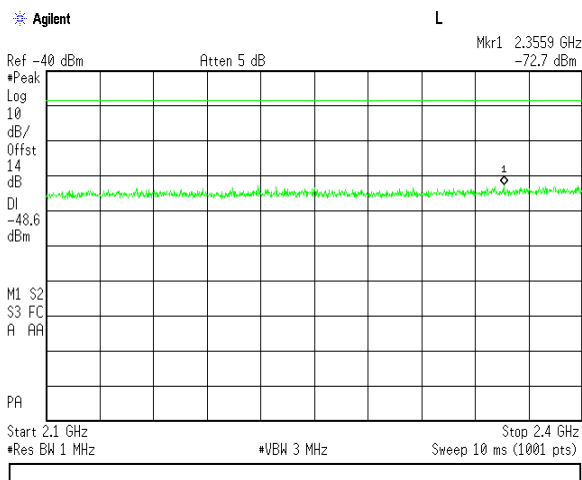
10 MHz
4 non-overlapping beams
QPSK



Plot 7.7.28 Band edge emission measurements in 2100 - 2400 MHz range at antenna chain # 6, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

10 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

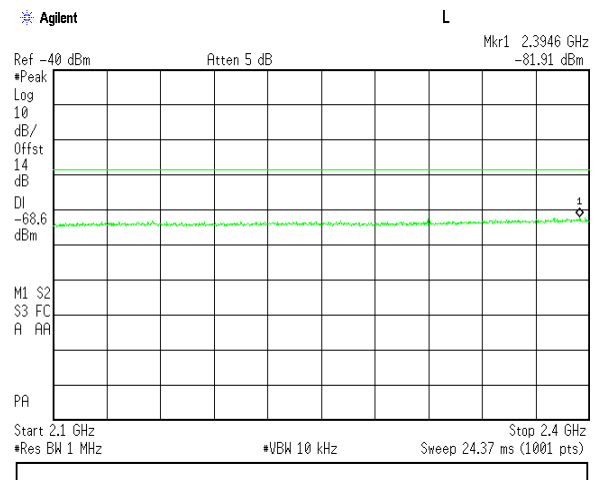
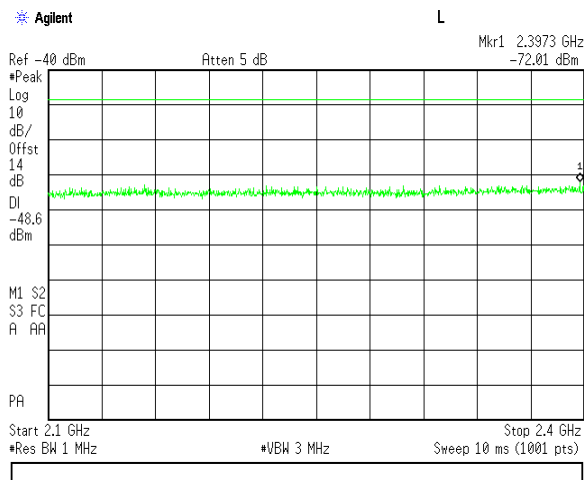
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.29 Band edge emission measurements in 2100 - 2400 MHz range at antenna chain # 7, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

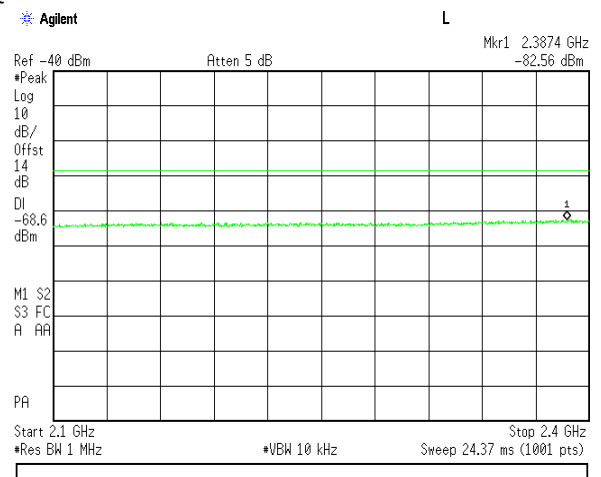
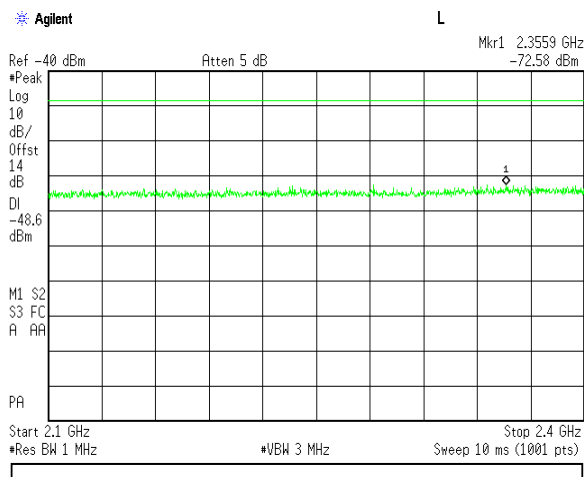
10 MHz
4 non-overlapping beams
QPSK



Plot 7.7.30 Band edge emission measurements in 2100 - 2400 MHz range at antenna chain # 7, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

10 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

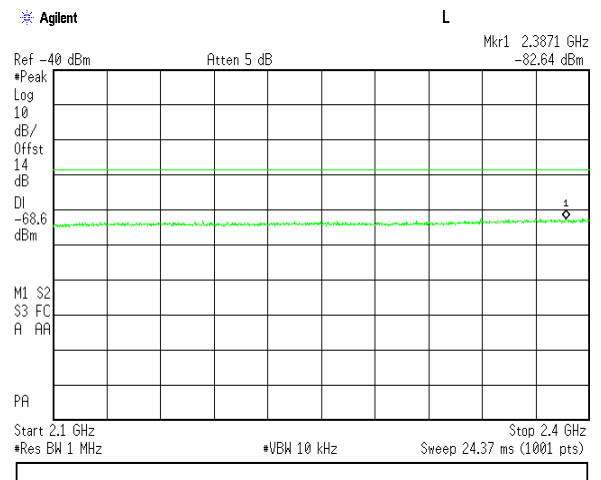
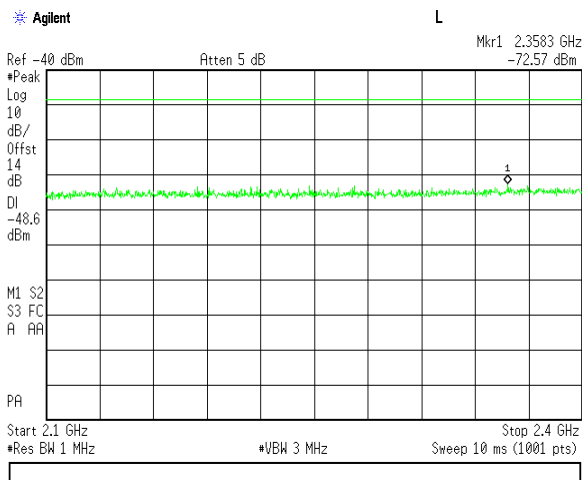
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.31 Band edge emission measurements in 2100 - 2400 MHz range at antenna chain # 8, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

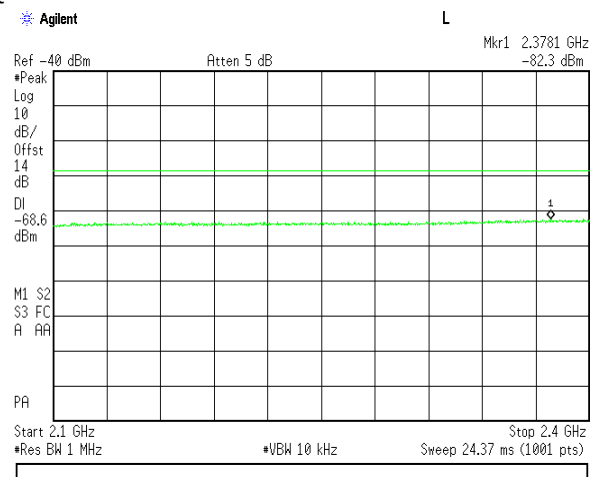
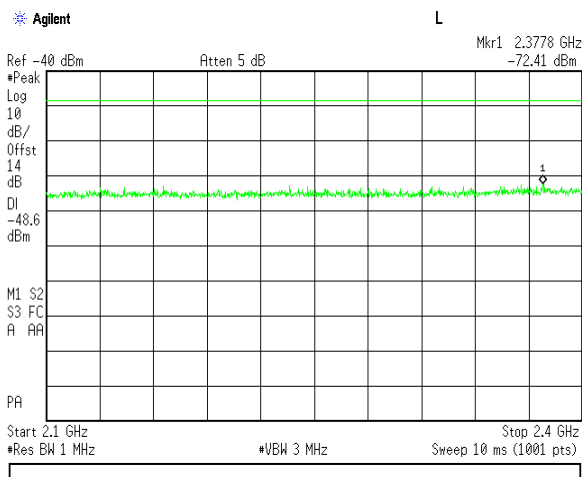
10 MHz
4 non-overlapping beams
QPSK



Plot 7.7.32 Band edge emission measurements in 2100 - 2400 MHz range at antenna chain # 8, low carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

10 MHz
4 non-overlapping beams
64 QAM





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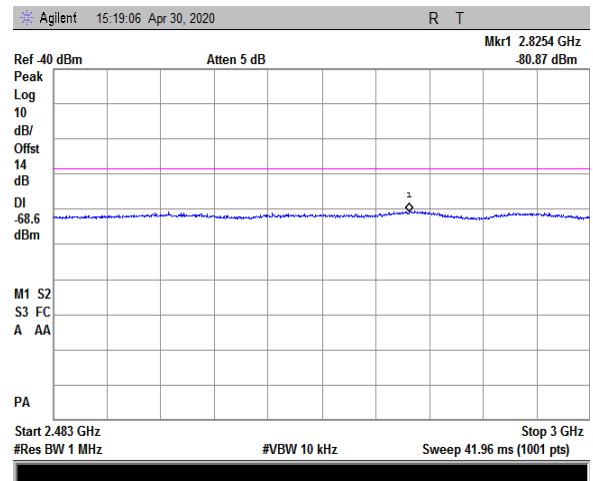
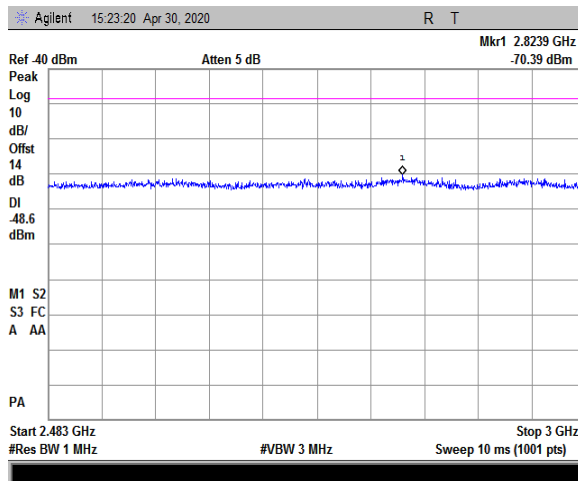
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.33 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 1, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

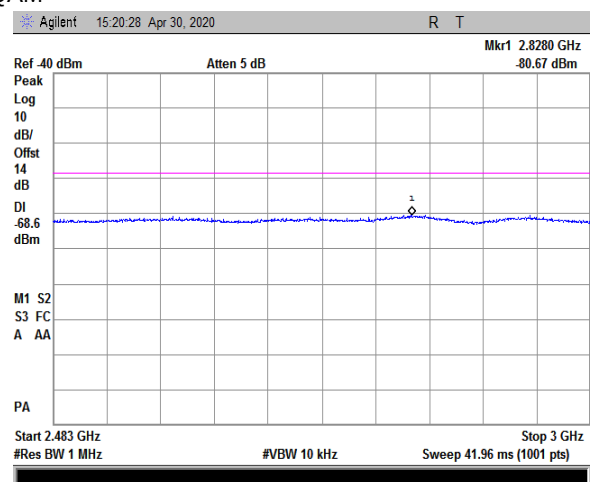
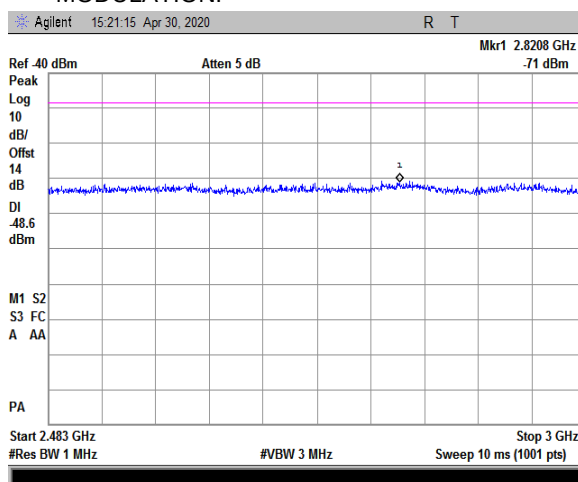
5 MHz
4 non-overlapping beams
QPSK



Plot 7.7.34 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 1, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

5 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

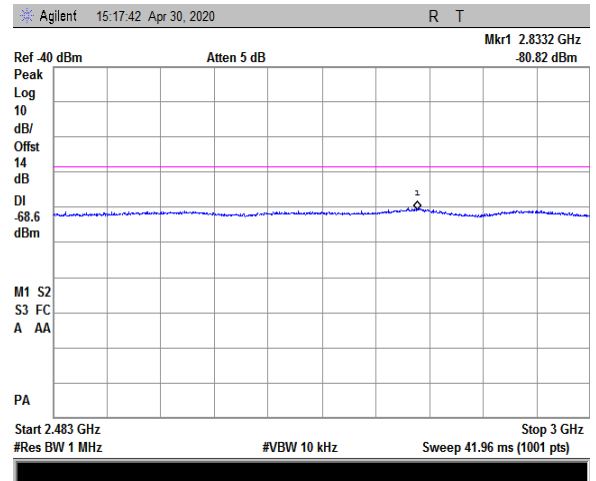
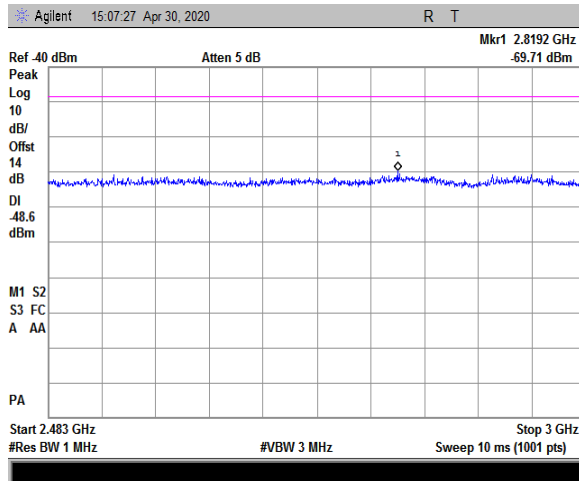
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.35 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 2, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

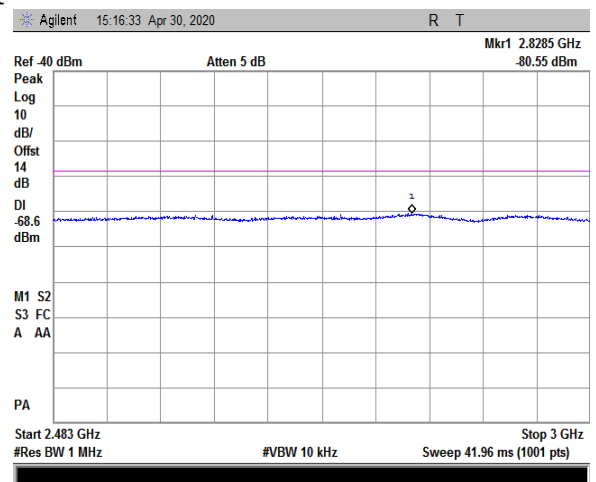
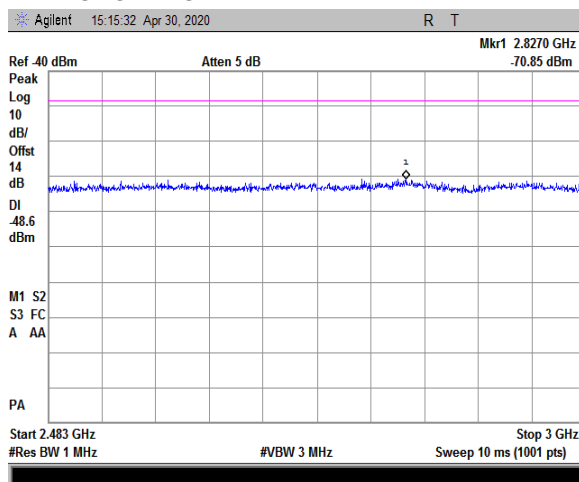
5 MHz
4 non-overlapping beams
QPSK



Plot 7.7.36 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 2, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

5 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

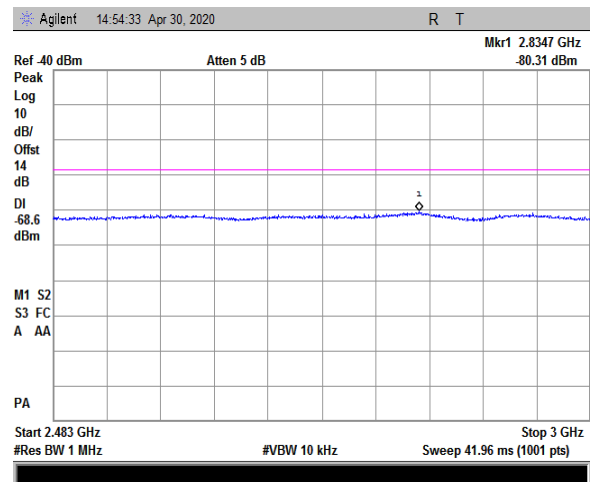
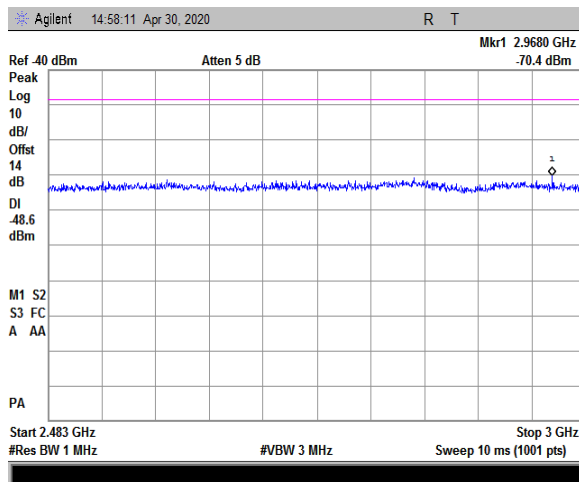
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.37 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 3, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

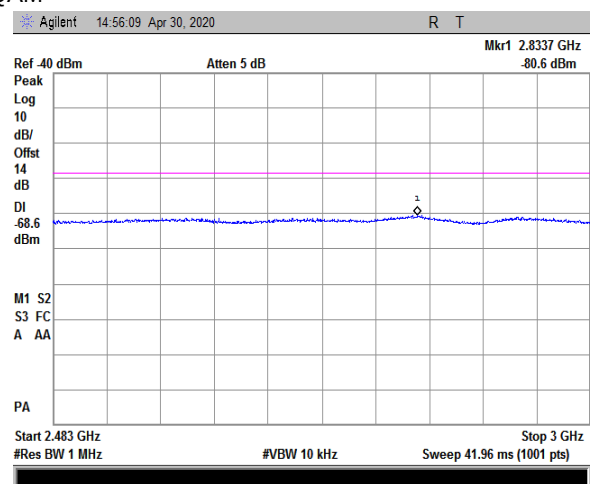
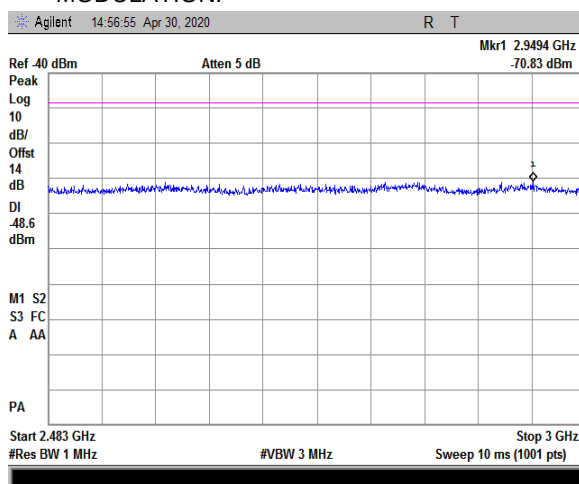
5 MHz
4 non-overlapping beams
QPSK



Plot 7.7.38 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 3, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

5 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

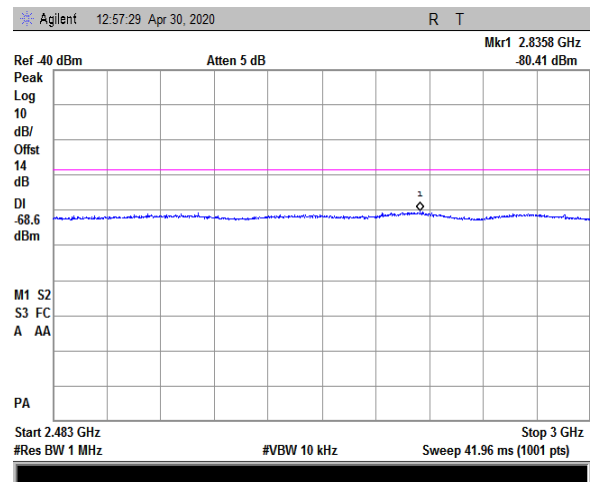
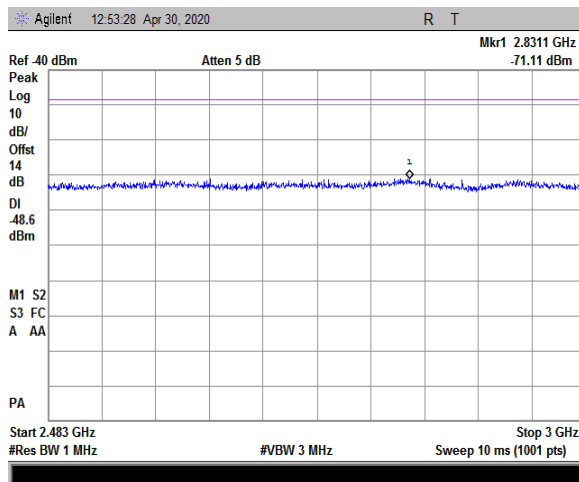
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.39 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 4, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

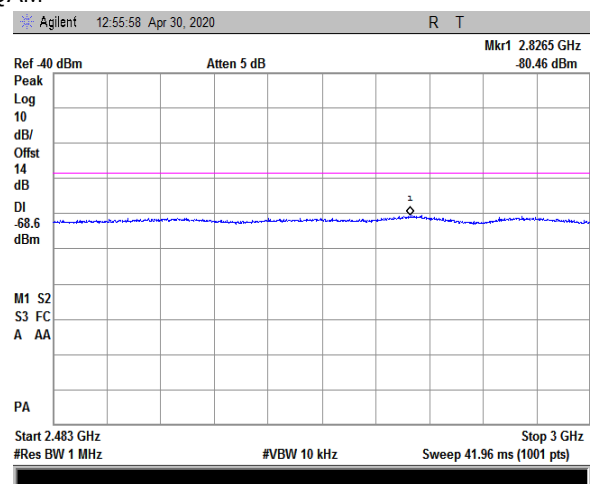
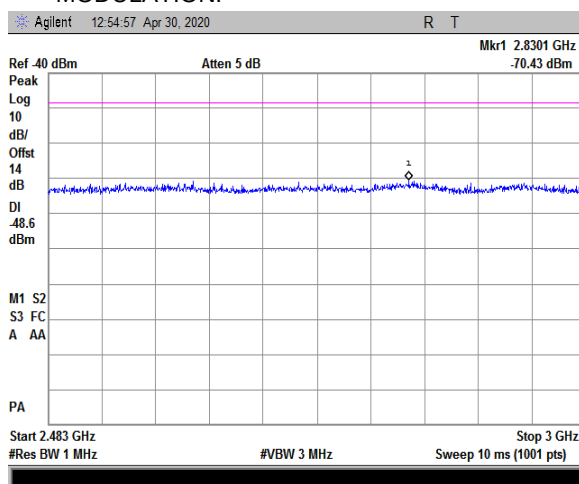
5 MHz
4 non-overlapping beams
QPSK



Plot 7.7.40 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 4, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

5 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

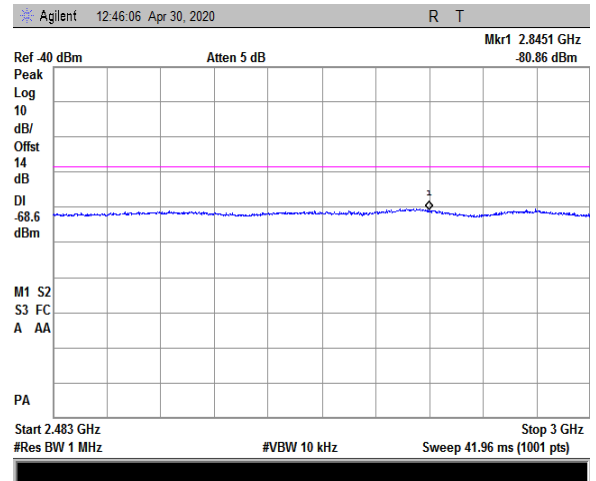
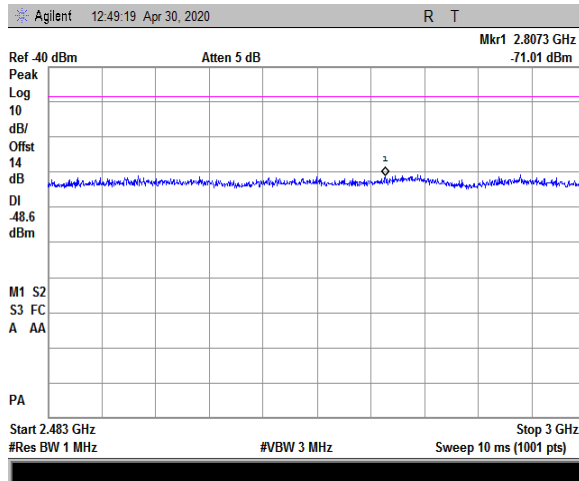
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.41 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 5, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

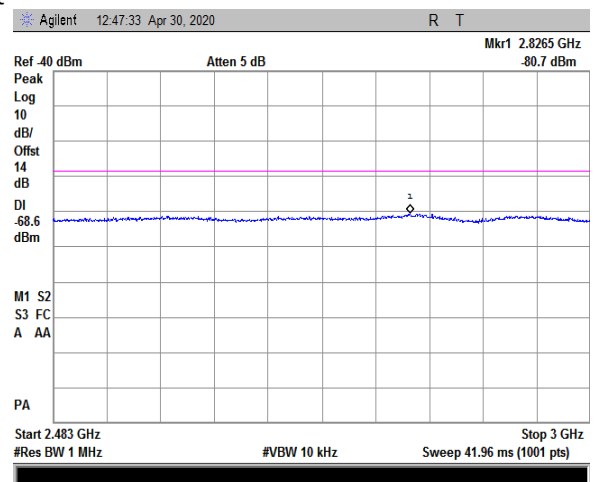
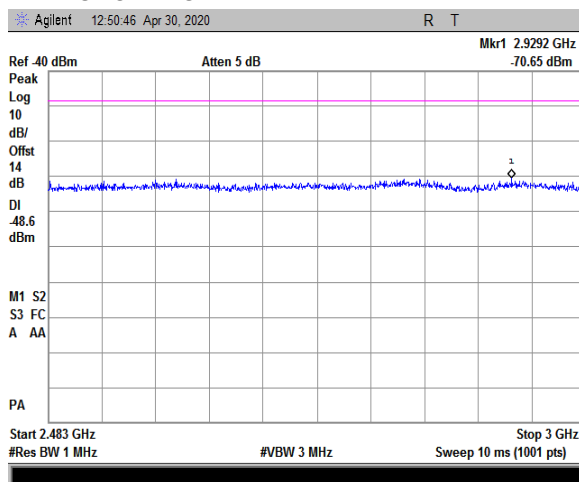
5 MHz
4 non-overlapping beams
QPSK



Plot 7.7.42 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 5, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

5 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

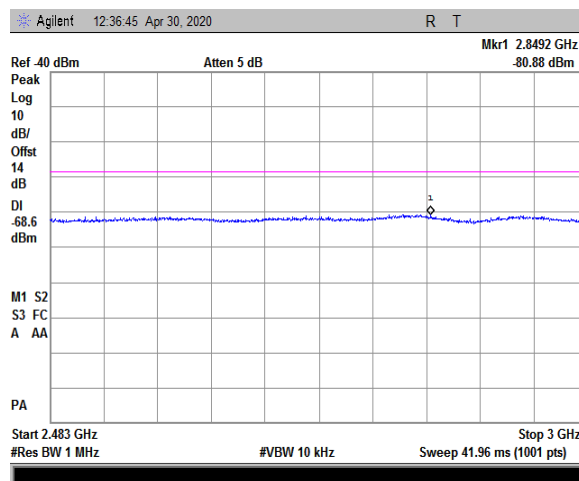
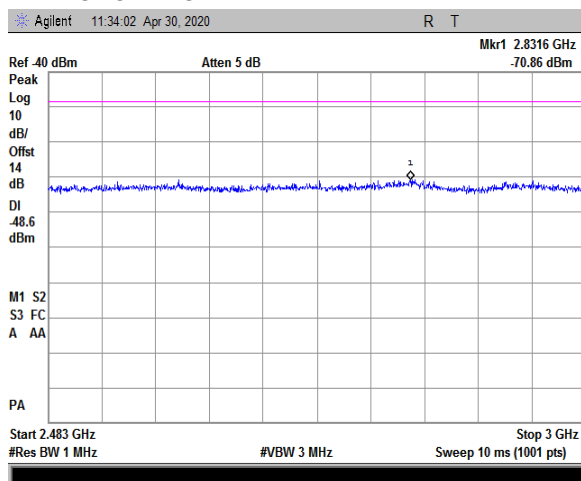
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.43 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 6, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

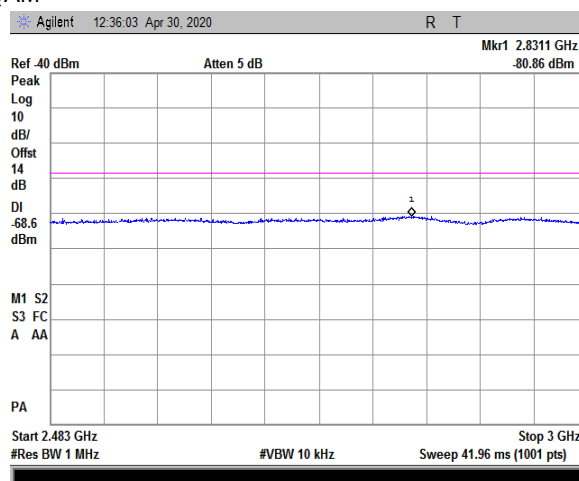
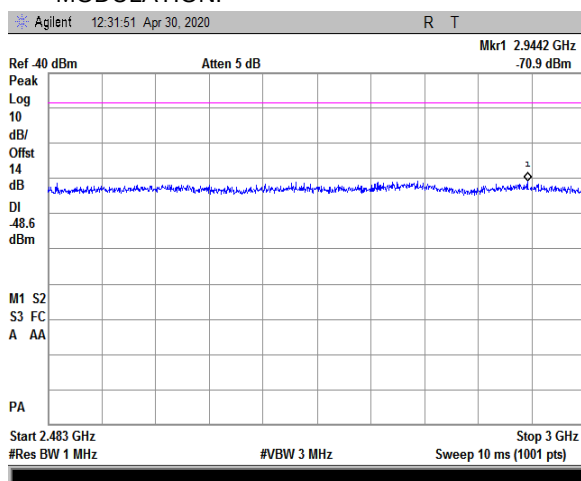
5 MHz
4 non-overlapping beams
QPSK



Plot 7.7.44 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 6, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

5 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

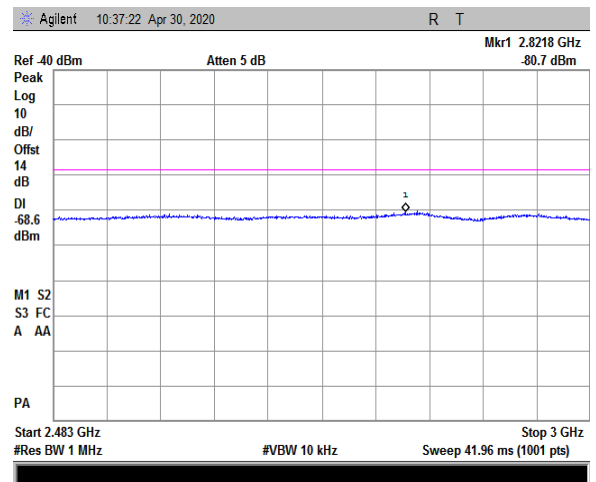
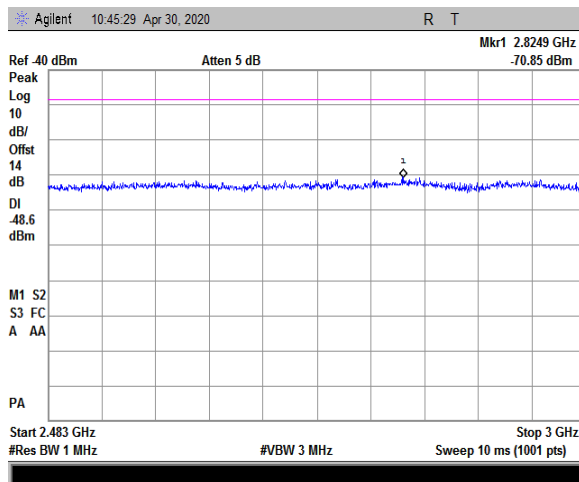
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.45 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 7, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

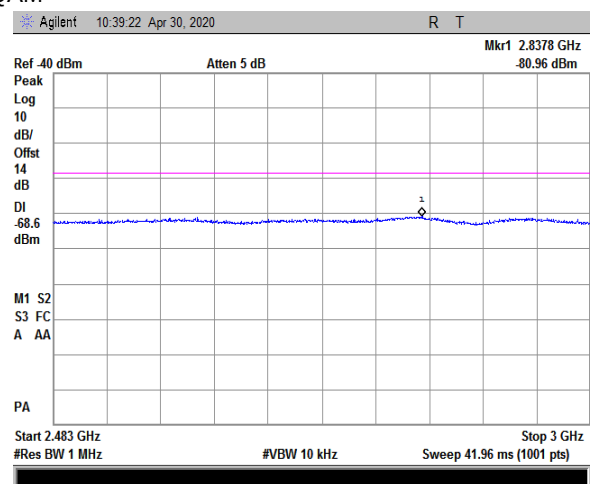
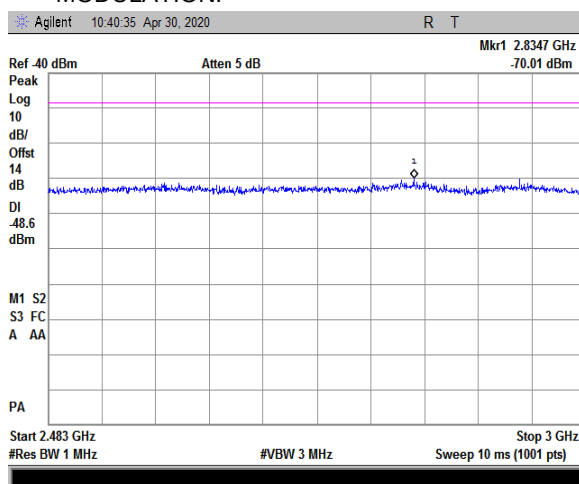
5 MHz
4 non-overlapping beams
QPSK



Plot 7.7.46 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 7, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

5 MHz
4 non-overlapping beams
64 QAM





HERMON LABORATORIES

Report ID: DAGRAD_FCC.41601_RRU

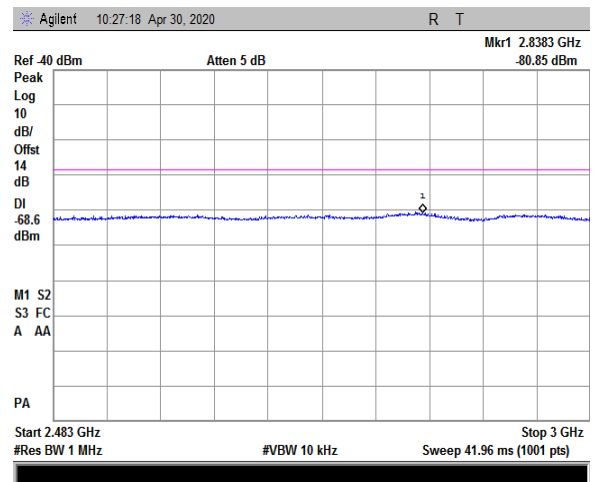
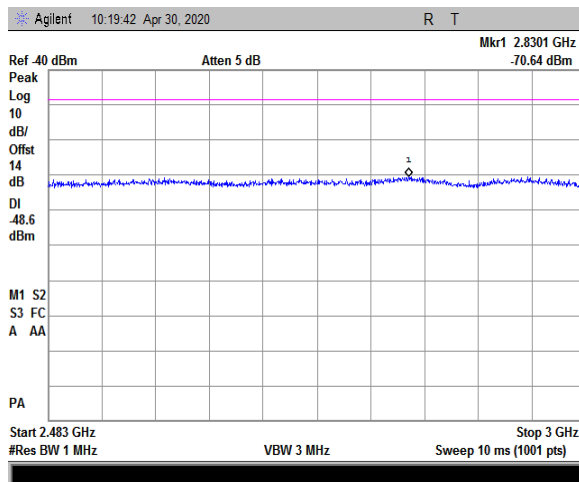
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.47 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 8, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

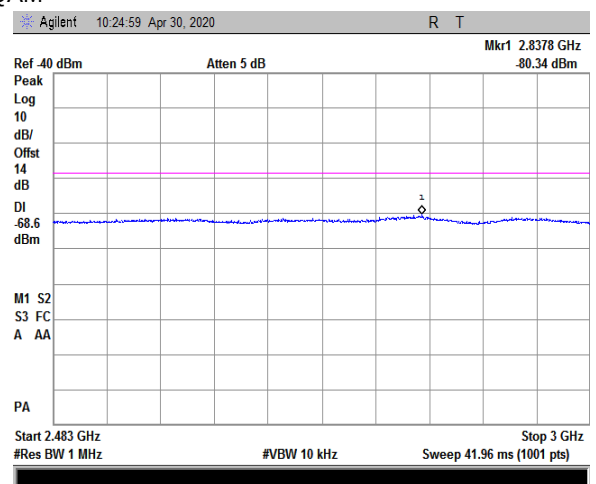
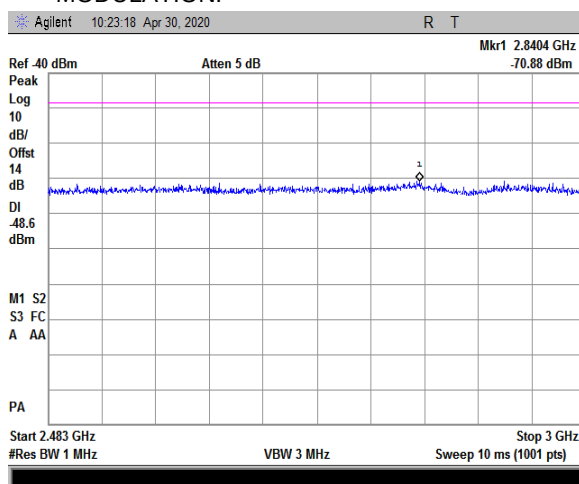
5 MHz
4 non-overlapping beams
QPSK



Plot 7.7.48 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 8, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

5 MHz
4 non-overlapping beams
64 QAM





HERMON LABORATORIES

Report ID: DAGRAD_FCC.41601_RRU

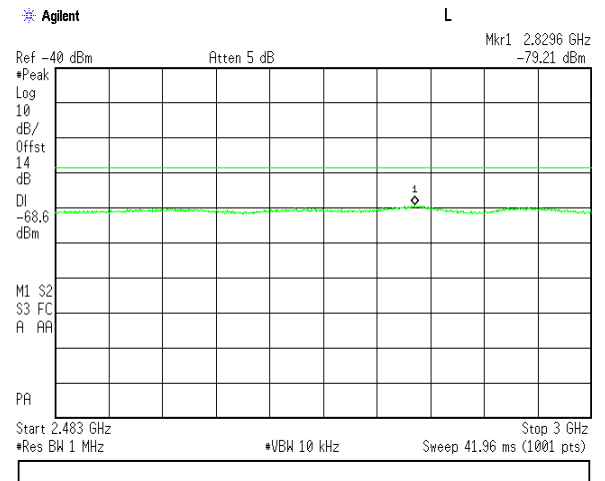
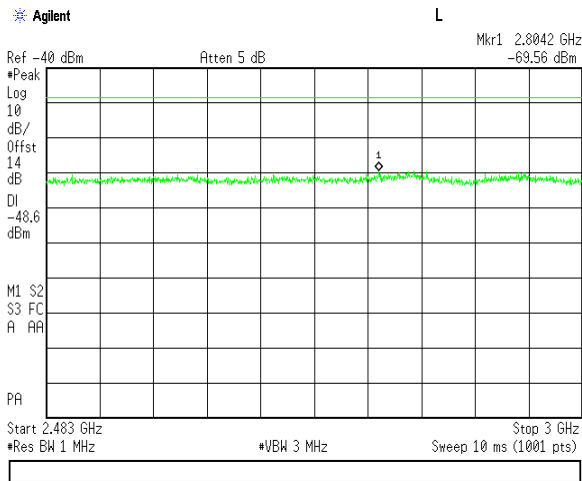
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.49 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 1, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

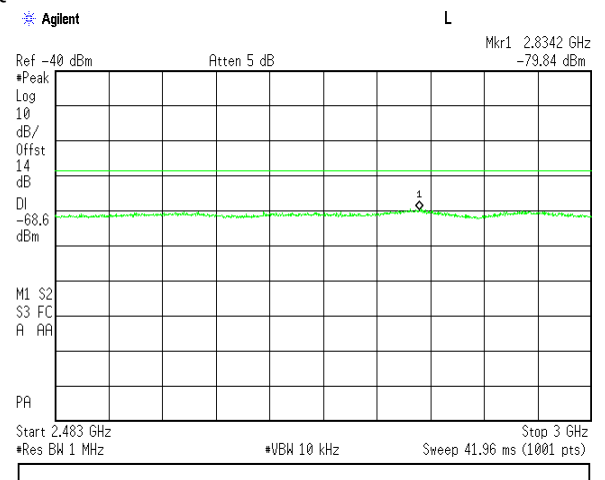
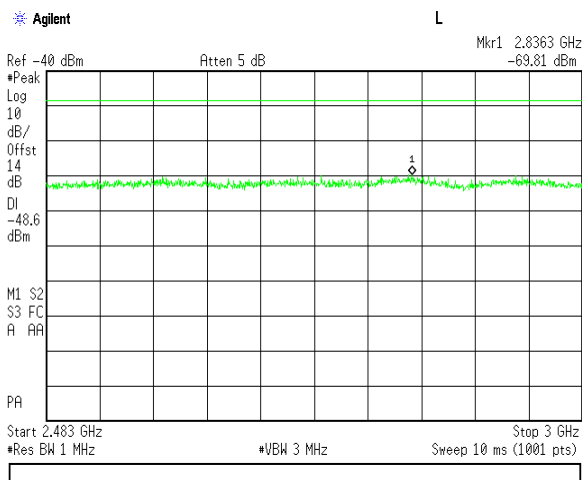
10 MHz
4 non-overlapping beams
QPSK



Plot 7.7.50 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 1, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

10 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

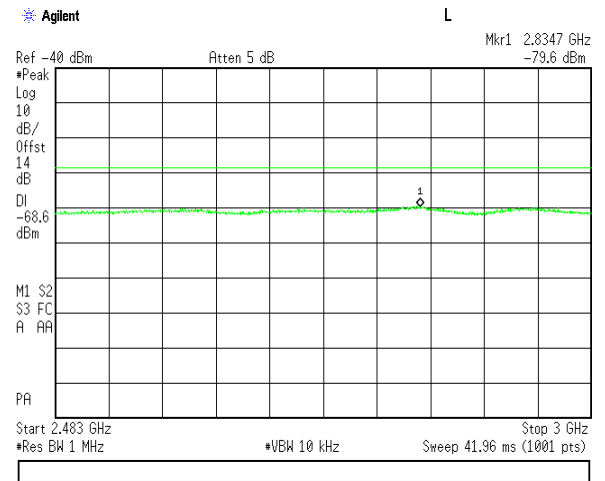
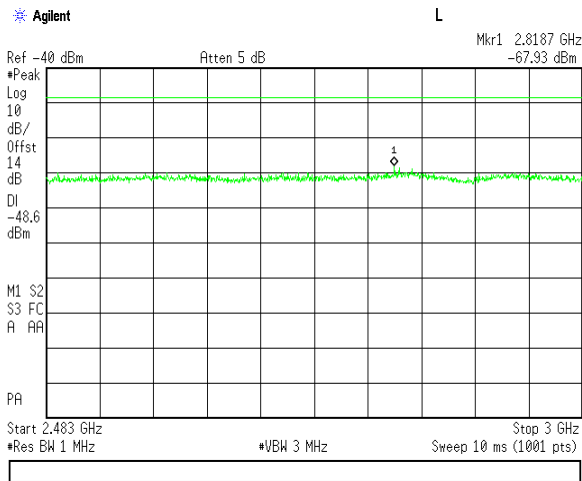
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.51 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 2, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

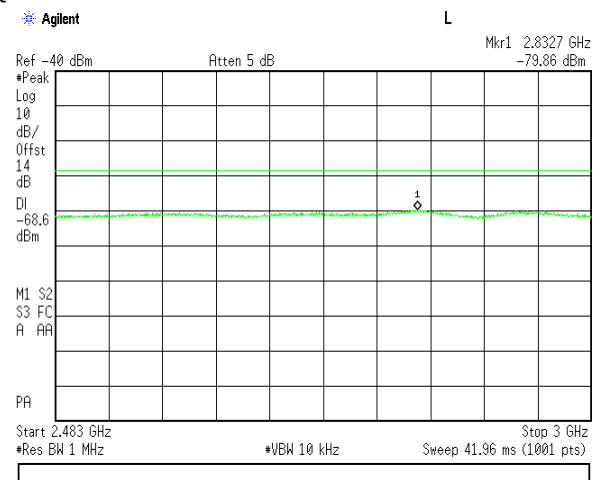
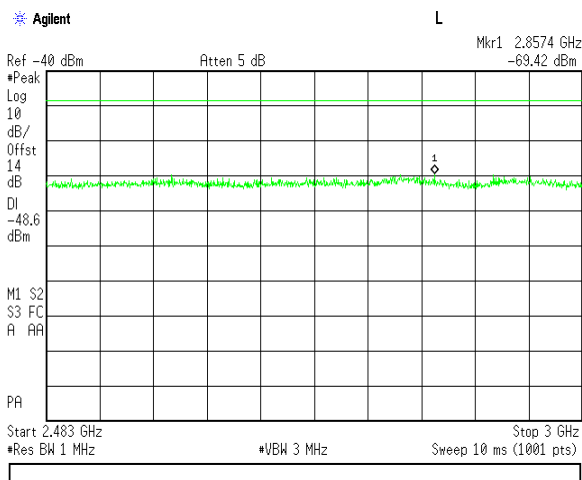
10 MHz
4 non-overlapping beams
QPSK



Plot 7.7.52 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 2, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

10 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

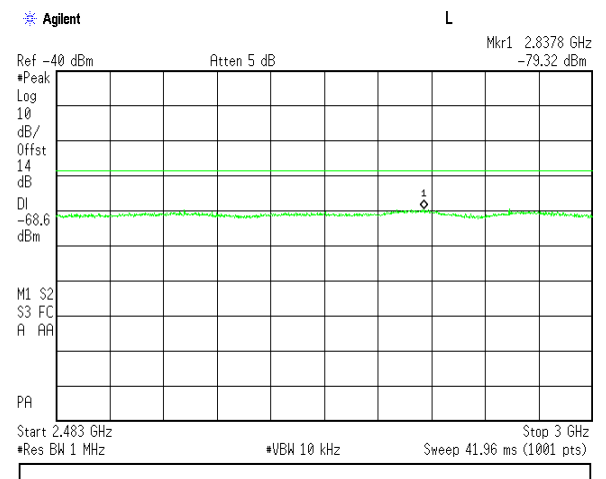
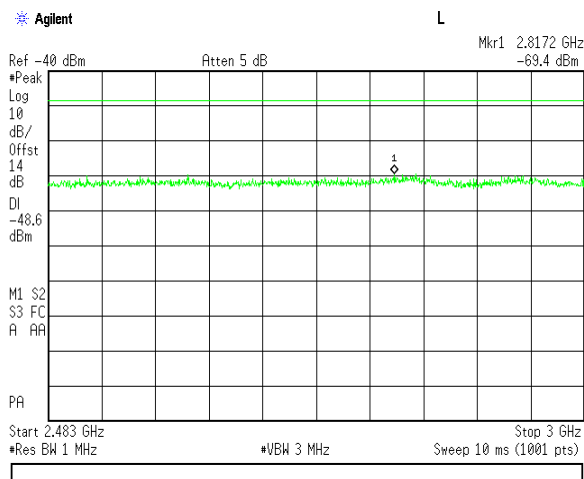
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.53 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 3, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

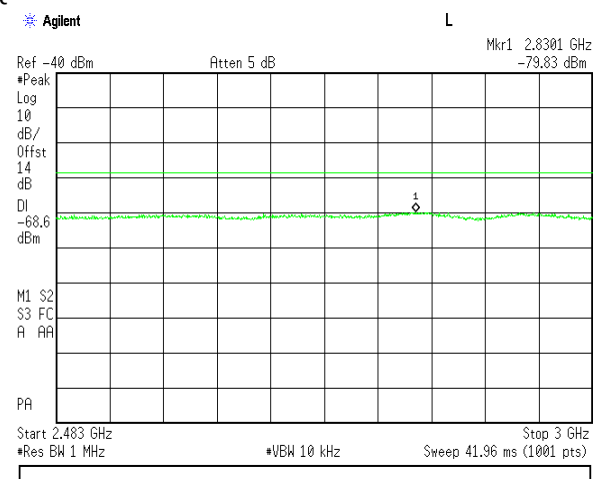
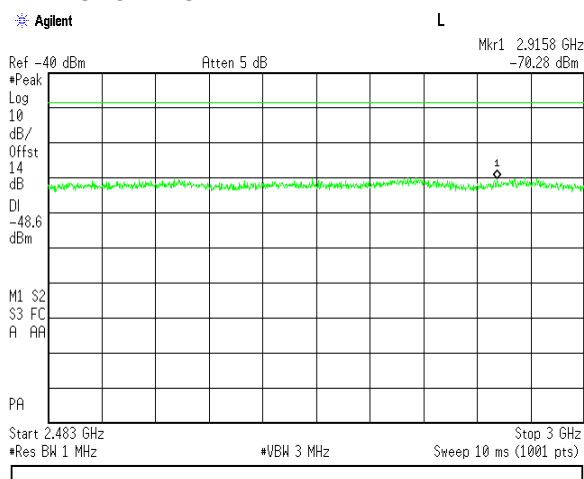
10 MHz
4 non-overlapping beams
QPSK



Plot 7.7.54 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 3, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

10 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

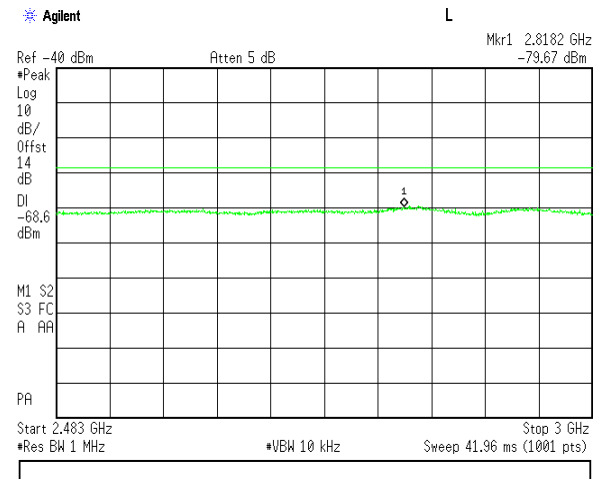
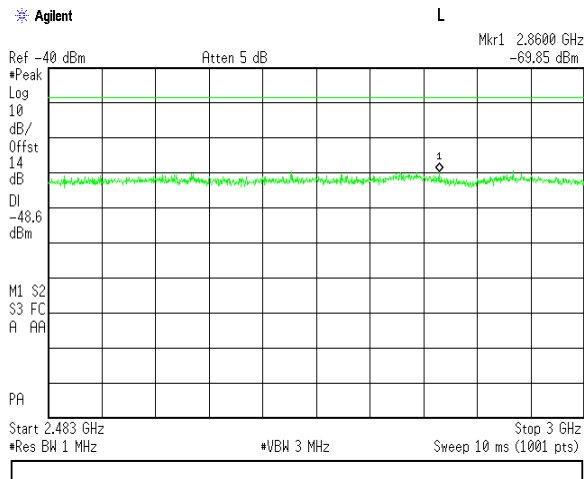
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.55 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 4, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

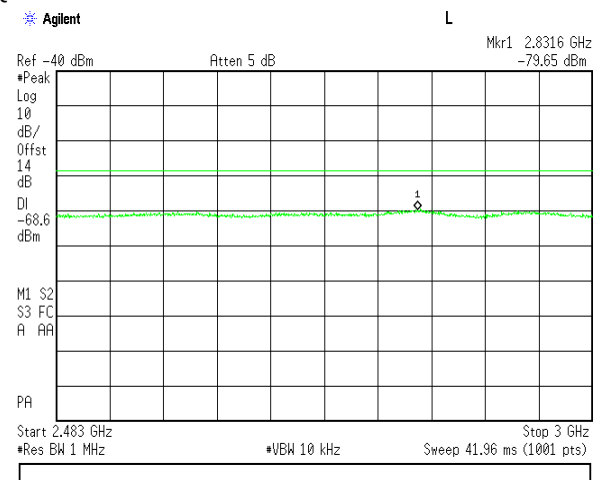
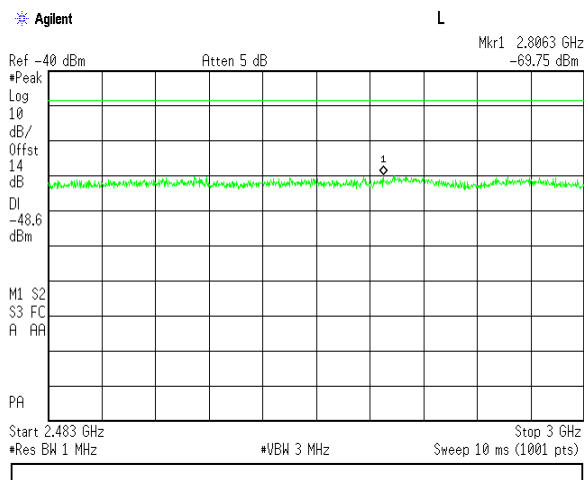
10 MHz
4 non-overlapping beams
QPSK



Plot 7.7.56 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 4, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

10 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

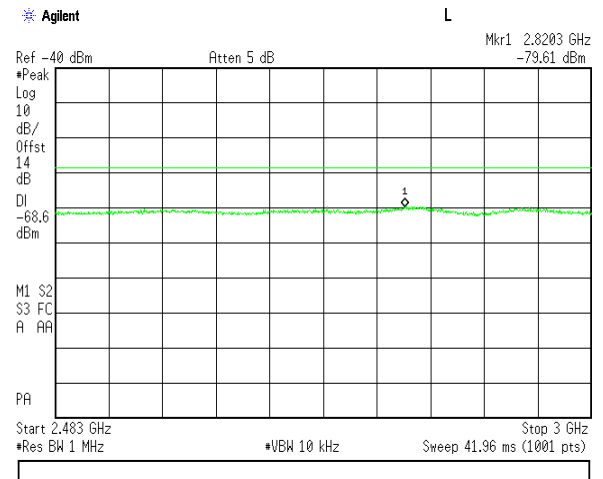
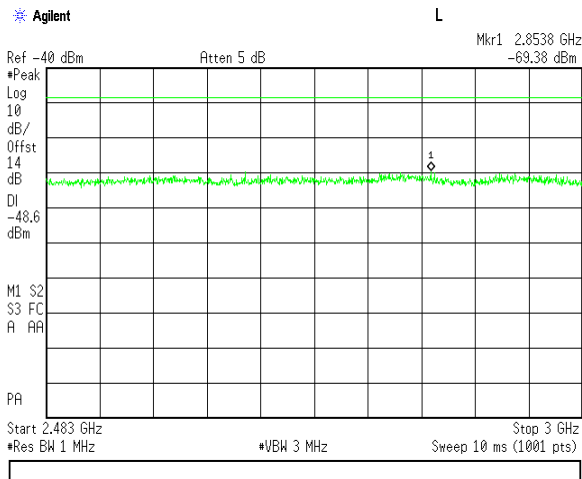
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.57 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 5, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

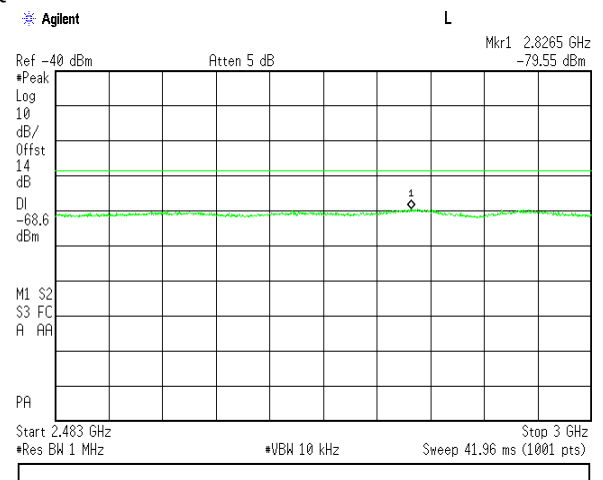
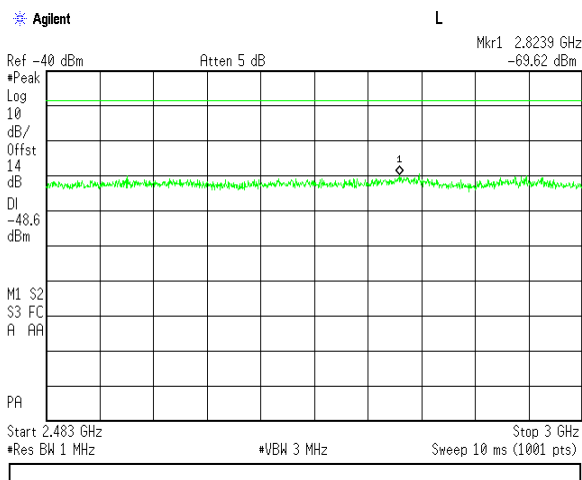
10 MHz
4 non-overlapping beams
QPSK



Plot 7.7.58 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 5, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

10 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

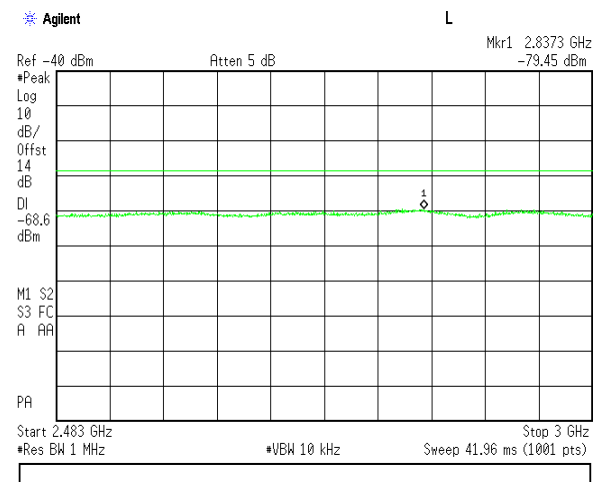
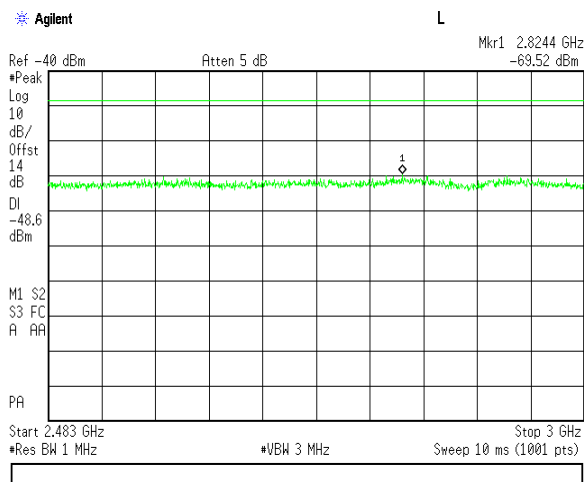
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.59 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 6, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

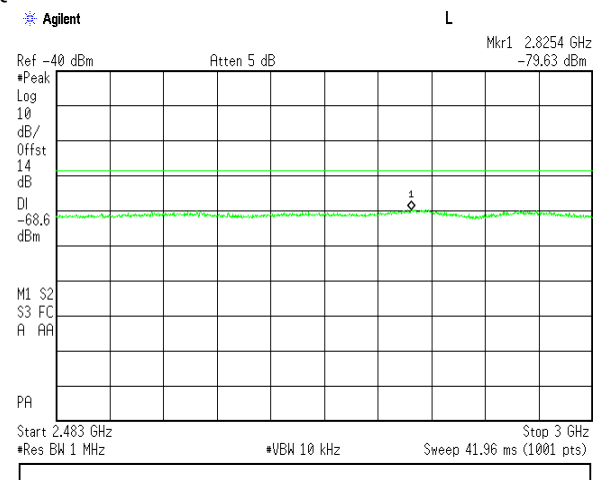
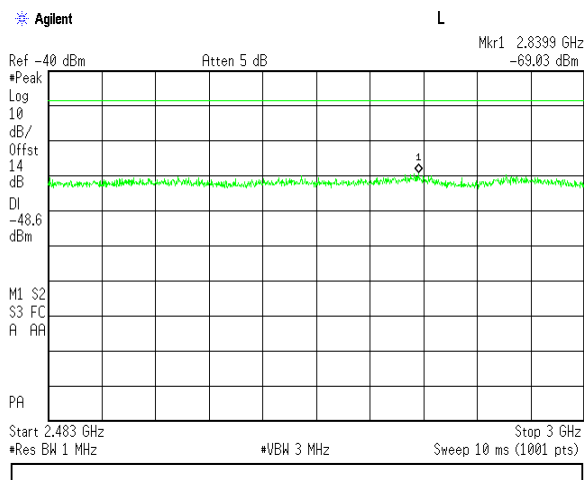
10 MHz
4 non-overlapping beams
QPSK



Plot 7.7.60 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 6, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

10 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

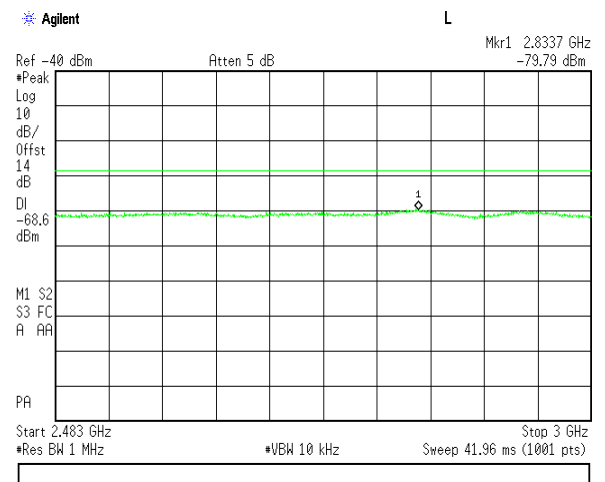
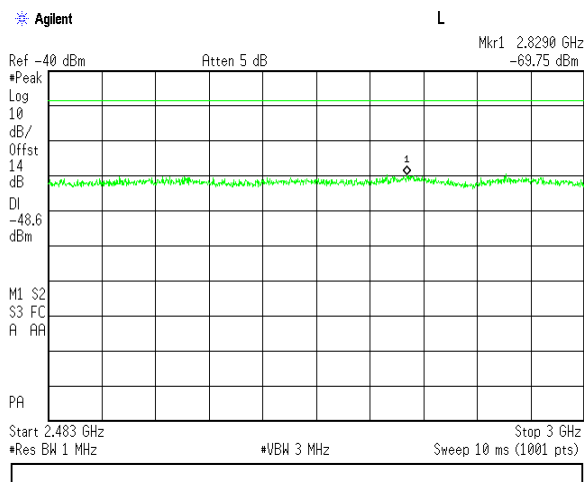
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.61 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 7, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

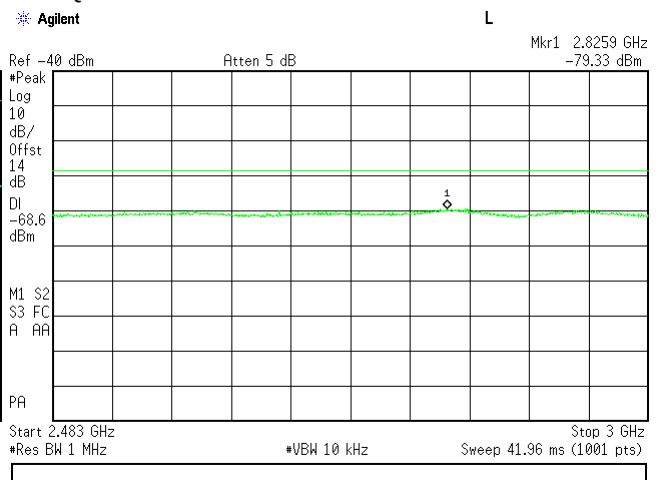
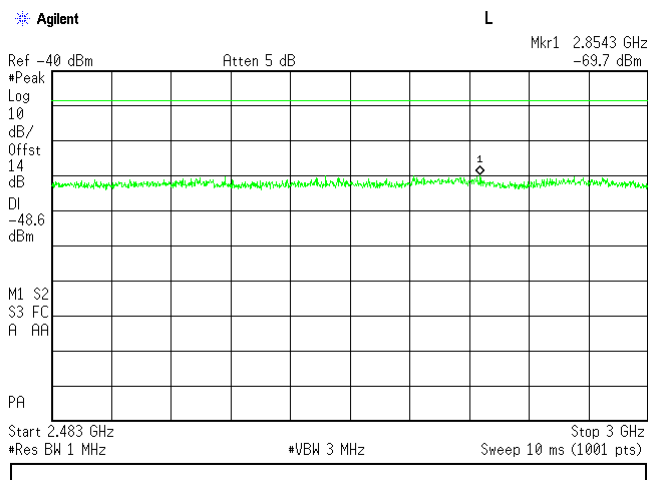
10 MHz
4 non-overlapping beams
QPSK



Plot 7.7.62 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 7, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

10 MHz
4 non-overlapping beams
64 QAM





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Report ID: DAGRAD_FCC.41601_RRU

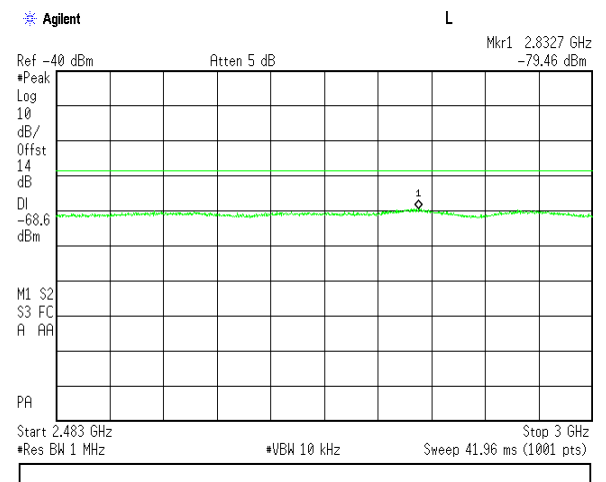
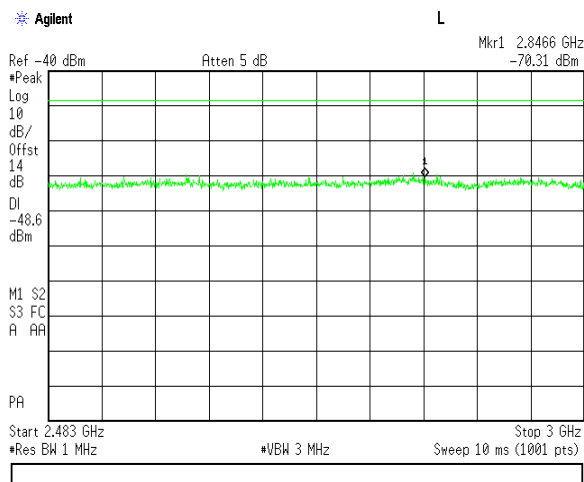
Date of Issue: 3-Jun-21

Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.7.63 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 8, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

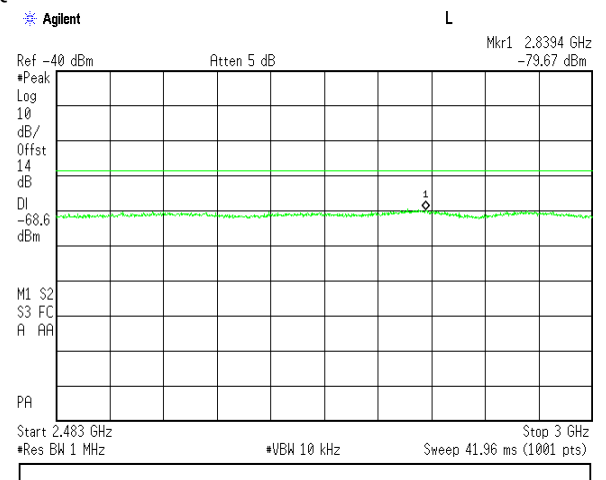
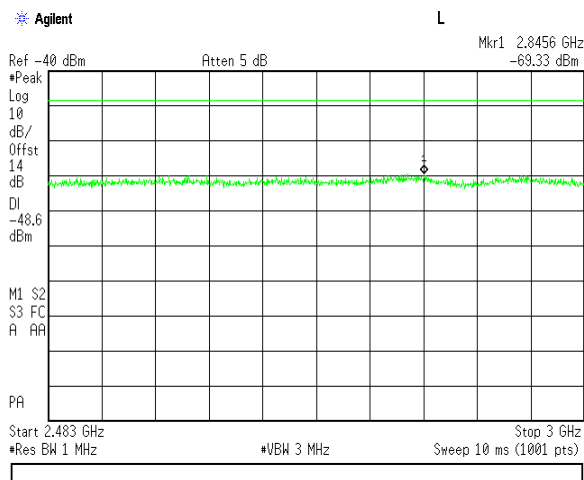
10 MHz
4 non-overlapping beams
QPSK



Plot 7.7.64 Band edge emission measurements in 2483.5 - 3000 MHz range at antenna chain # 8, high carrier frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION:

10 MHz
4 non-overlapping beams
64 QAM





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:			

7.8 Peak spectral power density

7.8.1 General

This test was performed to measure the peak spectral power density at the transmitter RF antenna connector. Specification test limits are given in Table 7.8.1.

Table 7.8.1 Peak spectral power density limits

Assigned frequency range, MHz	Measurement bandwidth, kHz	Peak spectral power density, dBm
2400-2483.5	3.0	8.0

7.8.2 Test procedure

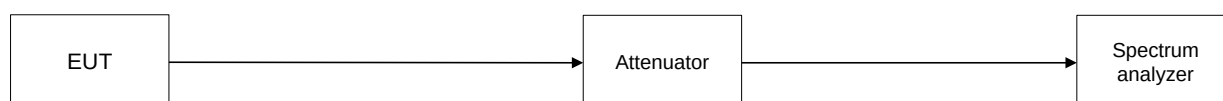
7.8.2.1 The EUT was set up as shown in Figure 7.8.1, energized and its proper operation was checked.

7.8.2.2 The EUT was adjusted to produce maximum available to end user RF output power.

7.8.2.3 The frequency span of spectrum analyzer was set to capture the entire 6 dB band of the transmitter, in peak hold mode with resolution bandwidth set to 3.0 kHz, video bandwidth wider than resolution bandwidth, auto sweep time and sufficient number of sweeps was allowed for trace stabilization. The spectrum lines spacing was verified to be wider than 3 kHz. Otherwise the resolution bandwidth was reduced until individual spectrum lines were resolved and the power of individual spectrum lines was integrated over 3 kHz band.

7.8.2.4 The peak of emission was zoomed with span set just wide enough to capture the emission peak area and sweep time was set equal to span width divided by resolution bandwidth. Spectrum analyzer was set in peak hold mode, sufficient number of sweeps was allowed for trace stabilization and peak spectral power density was measured as provided in Table 7.8.2 and associated plots.

Figure 7.8.1 Peak spectral power density test setup





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 7.8.2 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: 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	-9.06	-10.86	-9.80	-10.66	-11.04	-11.18	-9.63	-9.76	-1.19
2458.2	-9.44	-10.93	-10.13	-10.89	-11.02	-10.78	-9.81	-9.82	-1.31
2473.2	-8.76	-10.52	-9.26	-10.54	-10.65	-10.86	-9.45	-9.66	-0.90
Modulation 64QAM									
2448.2	-9.95	-10.91	-9.63	-10.43	-11.10	-10.65	-9.35	-9.56	-1.15
2458.2	-9.65	-10.66	-10.32	-10.54	-11.22	-10.44	-9.98	-9.52	-1.26
2473.2	-9.50	-10.40	-9.49	-10.40	-10.54	-10.83	-9.50	-9.46	-0.98

Carrier frequency, MHz	Sum PSD, dBm	External attenuation, dB	Feeder loss, dB	Total PSD,** dBm	Limit, dBm	Margin*, dB	Verdict
Modulation QPSK							
2448.2	-1.19	Included	0.15	-1.34	2.00	-3.34	Pass
2458.2	-1.31	Included	0.15	-1.46	2.00	-3.46	Pass
2473.2	-0.90	Included	0.15	-1.05	2.00	-3.05	Pass
Modulation 64QAM							
2448.2	-1.15	Included	0.15	-1.30	2.00	-3.30	Pass
2458.2	-1.26	Included	0.15	-1.41	2.00	-3.41	Pass
2473.2	-0.98	Included	0.15	-1.13	2.00	-3.13	Pass

* - Margin = Total PSD – specification limit.

** - Total PSD = Sum PSD – Feeder loss

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



HERMON LABORATORIES

Report ID: DAGRAD_FCC.41601_RRU

Date of Issue: 3-Jun-21

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	0.15	-4.10	2.00	-6.10	Pass
2460.7	-4.51	Included	0.15	-4.66	2.00	-6.66	Pass
2470.7	-2.94	Included	0.15	-3.09	2.00	-5.09	Pass
Modulation 64QAM							
2450.7	-3.65	Included	0.15	-3.80	2.00	-5.80	Pass
2460.7	-4.43	Included	0.15	-4.58	2.00	-6.58	Pass
2470.7	-2.88	Included	0.15	-3.03	2.00	-5.03	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: 4 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	0.15	3.76	8.0	-4.24	Pass
2458.2	4.93	Included	0.15	4.78	8.0	-3.22	Pass
2473.2	4.63	Included	0.15	4.48	8.0	-3.52	Pass
Modulation 64QAM							
2448.2	4.45	Included	0.15	4.30	8.0	-3.70	Pass
2458.2	5.14	Included	0.15	4.99	8.0	-3.01	Pass
2473.2	4.62	Included	0.15	4.47	8.0	-3.53	Pass

* - Margin = Total PSD – specification limit.

** - Total PSD = Sum PSD – Feeder loss

*** - Sum PSD = $\sum 10\log(\text{PSD per Chain } \#x/10)$, where $\#x = 1, 2, \dots, 8$ 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: 4 non-overlapping beams
 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	-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	0.15	2.56	8.0	-5.44	Pass
2460.7	3.62	Included	0.15	3.47	8.0	-4.53	Pass
2470.7	3.37	Included	0.15	3.22	8.0	-4.78	Pass
Modulation 64QAM							
2450.7	3.20	Included	0.15	3.05	8.0	-4.95	Pass
2460.7	3.82	Included	0.15	3.67	8.0	-4.33	Pass
2470.7	3.66	Included	0.15	3.51	8.0	-4.49	Pass

* - Margin = Total PSD – specification limit.

** - Total PSD = Sum PSD – Feeder loss

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

Reference numbers of test equipment used

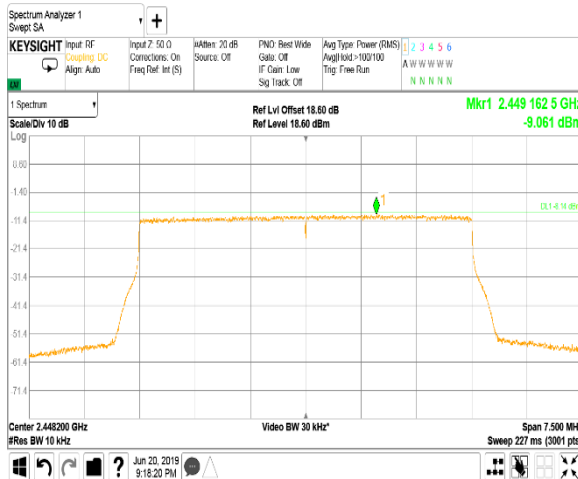
HL 3901	HL 4070	HL 4366	HL 5376			
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Full description is given in Appendix A.

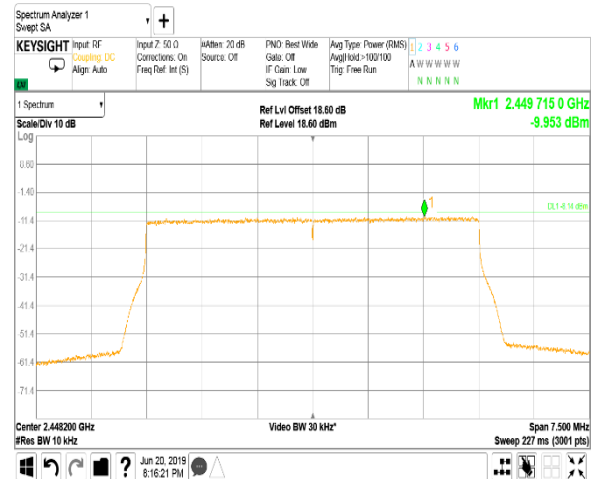
Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density			
Test procedure: ANSI C63.10 section 11.10.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 20-Jun-19 - 24-Jun-19			
Temperature: 24.4 °C	Relative Humidity: 49 %	Air Pressure: 1007 hPa	Power: 48 VDC
Remarks:			

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

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK

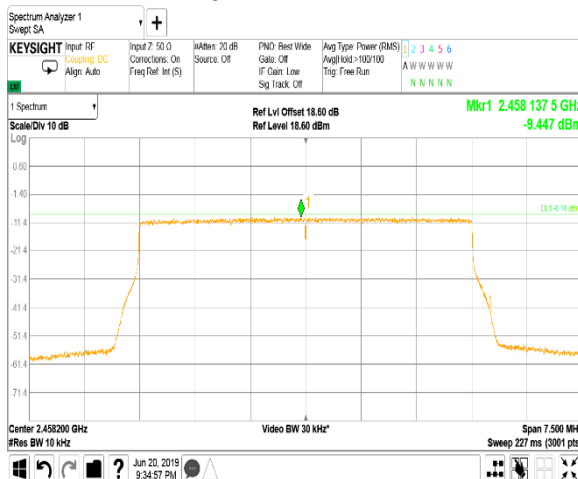


5 MHz
1beam
MODULATION: 64 QAM

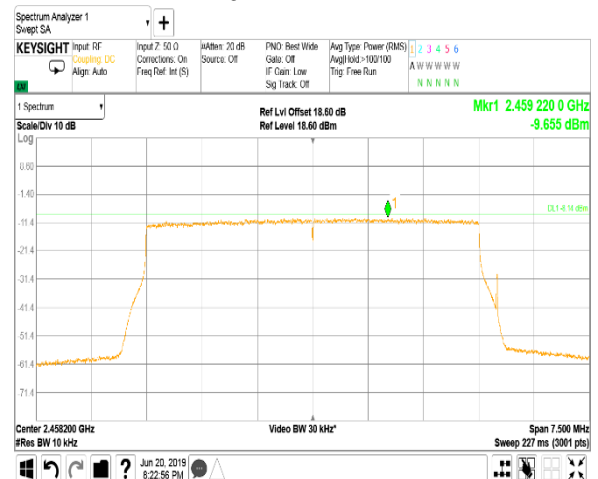


Plot 7.8.2 Peak spectral power density test results at antenna chain # 1, mid frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK



5 MHz
1beam
MODULATION: 64 QAM



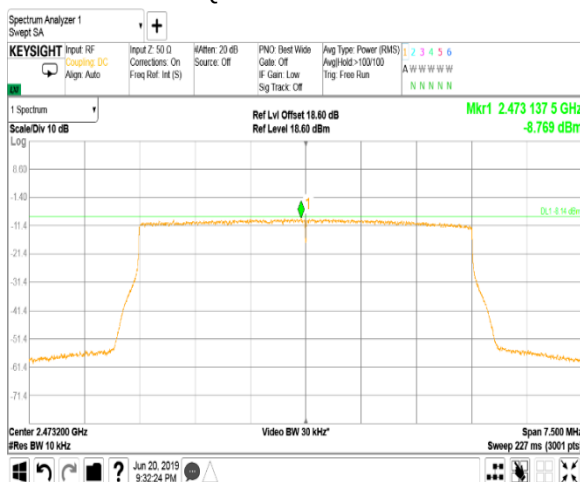


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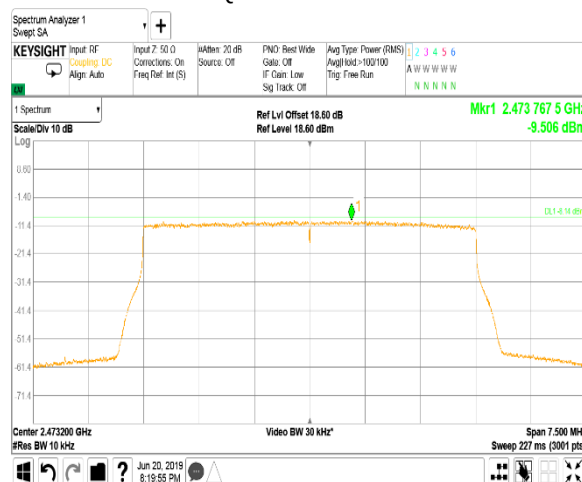
Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density			
Test procedure: ANSI C63.10 section 11.10.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 20-Jun-19 - 24-Jun-19			
Temperature: 24.4 °C	Relative Humidity: 49 %	Air Pressure: 1007 hPa	Power: 48 VDC
Remarks:			

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

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK

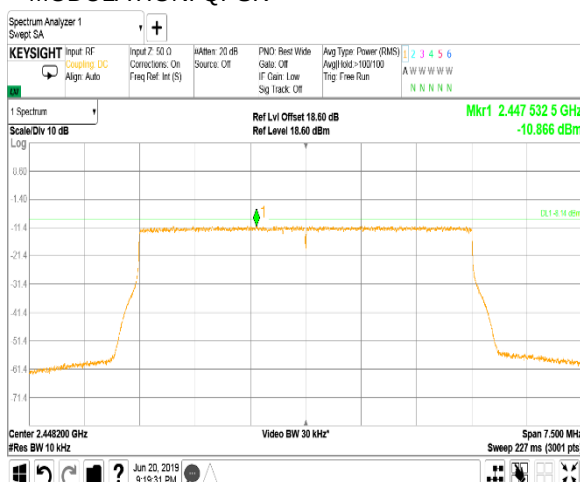


5 MHz
1beam
MODULATION: 64 QAM

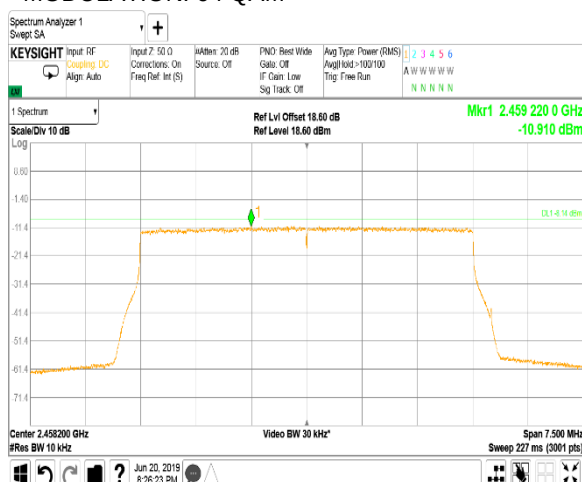


Plot 7.8.4 Peak spectral power density test results at antenna chain # 2, low frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK



5 MHz
1beam
MODULATION: 64 QAM



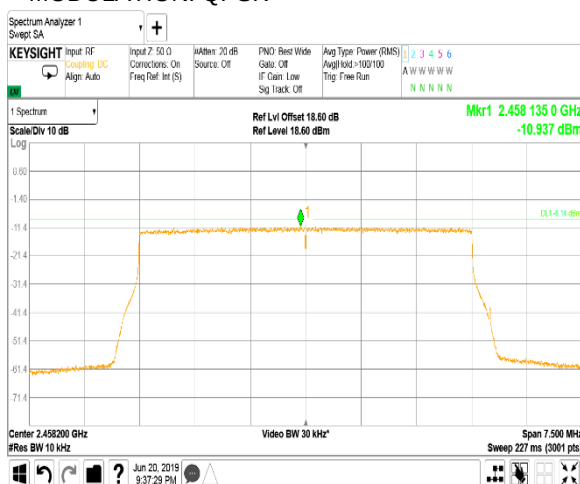


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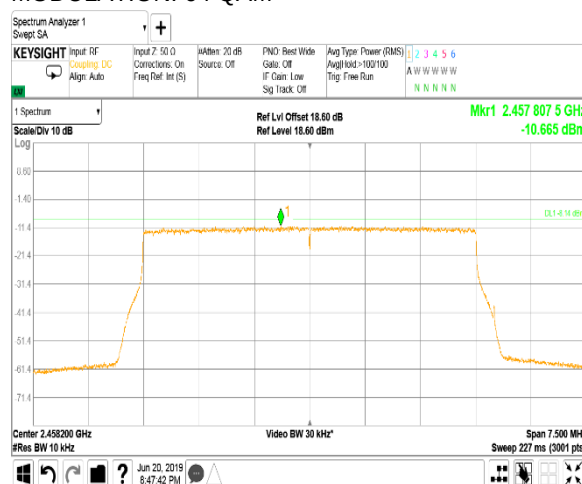
Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density			
Test procedure: ANSI C63.10 section 11.10.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 20-Jun-19 - 24-Jun-19			
Temperature: 24.4 °C	Relative Humidity: 49 %	Air Pressure: 1007 hPa	Power: 48 VDC
Remarks:			

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

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK

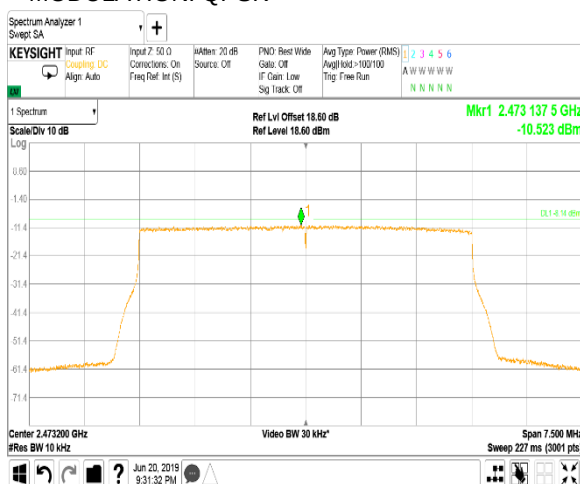


5 MHz
1beam
MODULATION: 64 QAM

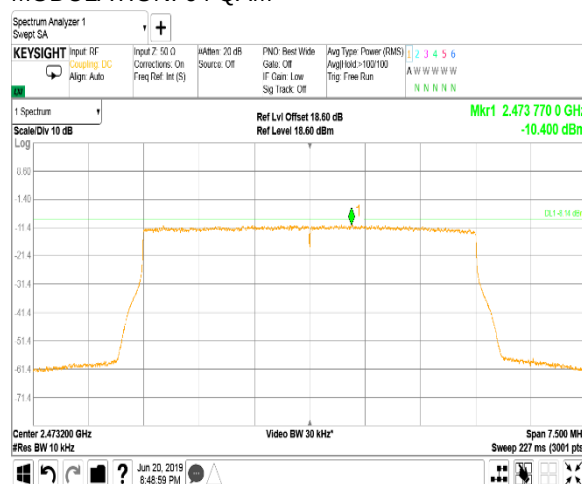


Plot 7.8.6 Peak spectral power density test results at antenna chain # 2, high frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK



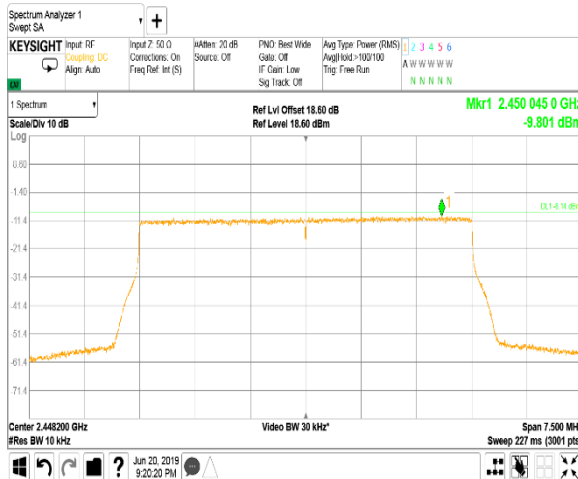
5 MHz
1beam
MODULATION: 64 QAM



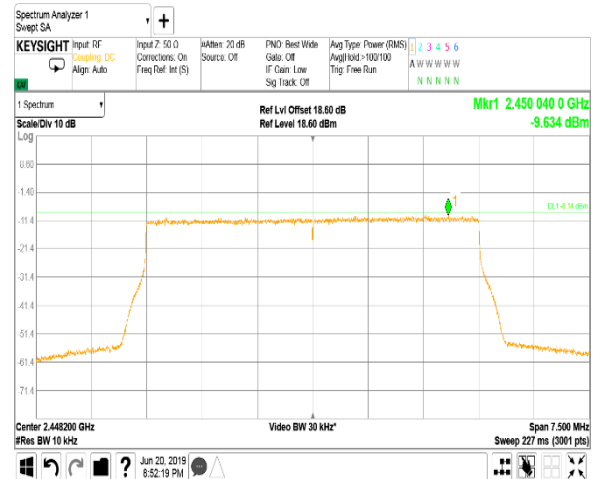
Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density			
Test procedure: ANSI C63.10 section 11.10.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 20-Jun-19 - 24-Jun-19			
Temperature: 24.4 °C	Relative Humidity: 49 %	Air Pressure: 1007 hPa	Power: 48 VDC
Remarks:			

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

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK

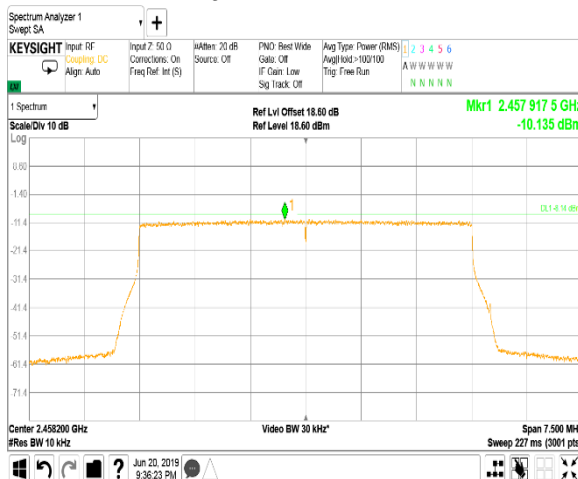


5 MHz
1beam
MODULATION: 64 QAM

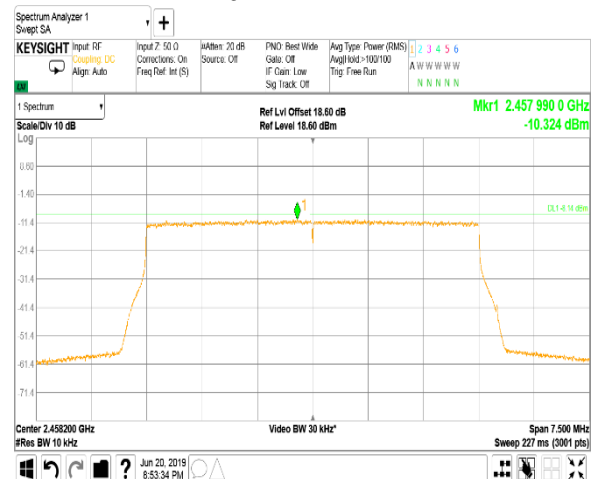


Plot 7.8.8 Peak spectral power density test results at antenna chain # 3, mid frequency

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK



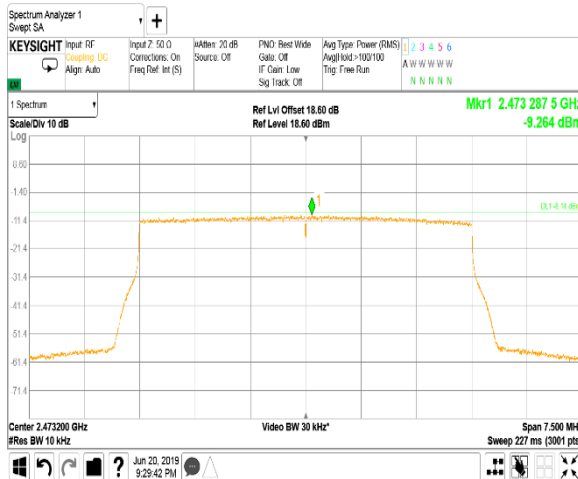
5 MHz
1beam
MODULATION: 64 QAM



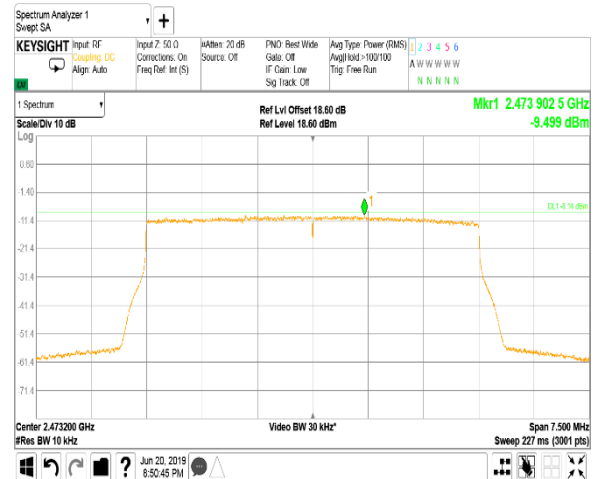
Test specification: Section 15.247(e) / RSS-247 section 5.2(2), Peak spectral power density			
Test procedure: ANSI C63.10 section 11.10.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 20-Jun-19 - 24-Jun-19			
Temperature: 24.4 °C	Relative Humidity: 49 %	Air Pressure: 1007 hPa	Power: 48 VDC
Remarks:			

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

CHANNEL BANDWIDTH:
CONFIGURATION:
MODULATION: QPSK

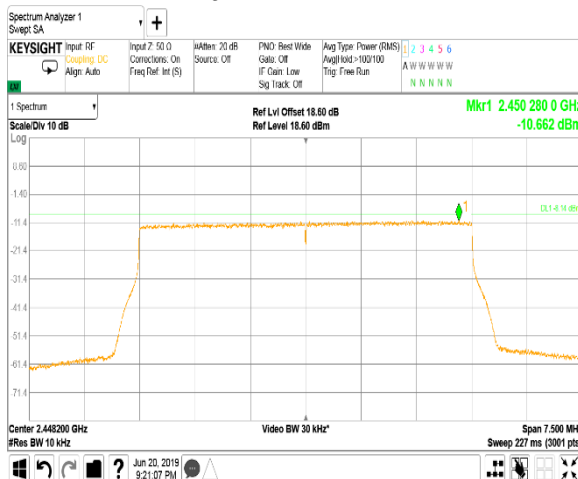


5 MHz
1beam
MODULATION: 64 QAM



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

