



HERMON LABORATORIES

Report ID: AIRRAD_FCC.42554_CL2C_30MHz

Date of Issue: 8-Dec-21

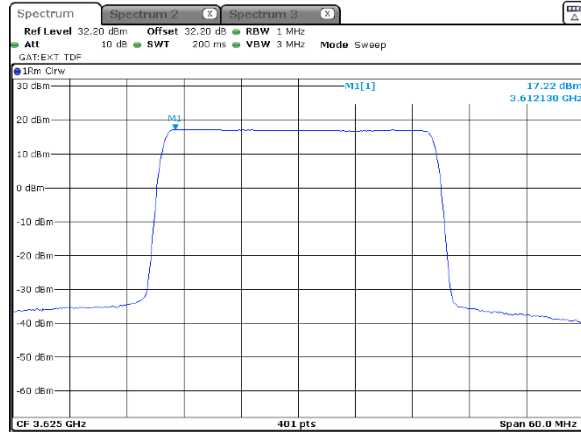
Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.30 Peak spectral power density at mid frequency

CHANNEL SPACING:

ANTENNA CHAIN:

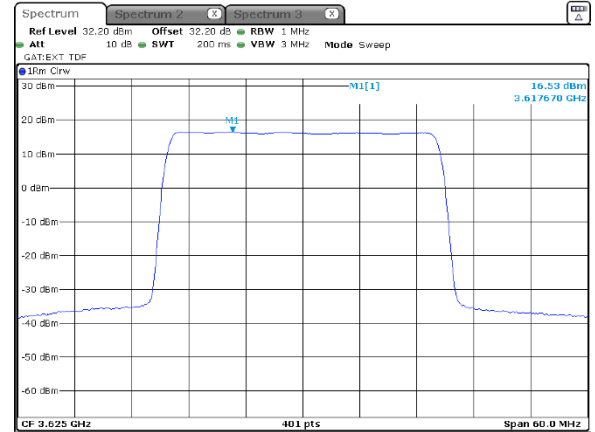
Modulation: QPSK



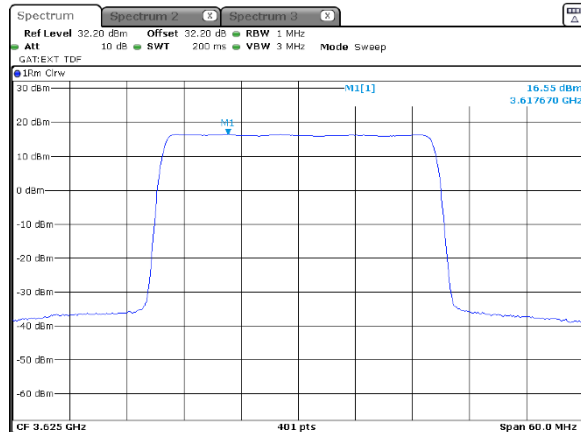
30 MHz

2

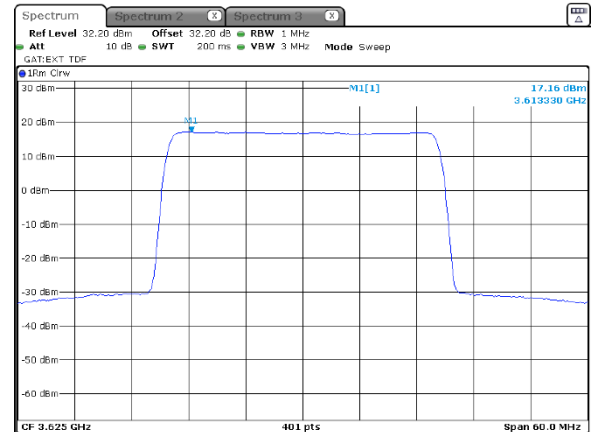
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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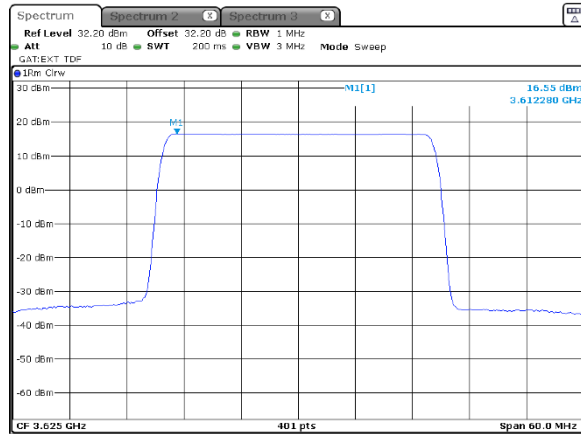
Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.31 Peak spectral power density at mid frequency

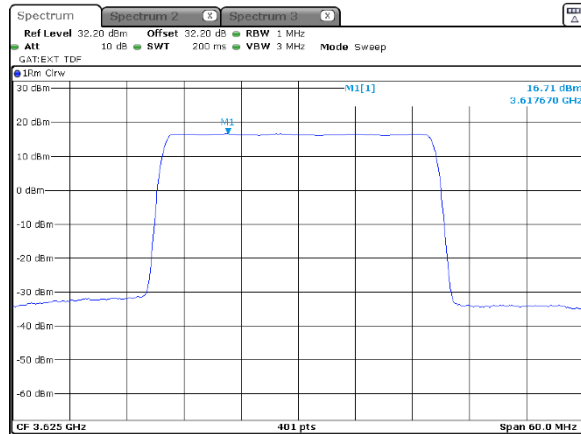
CHANNEL SPACING:

ANTENNA CHAIN:

Modulation: QPSK



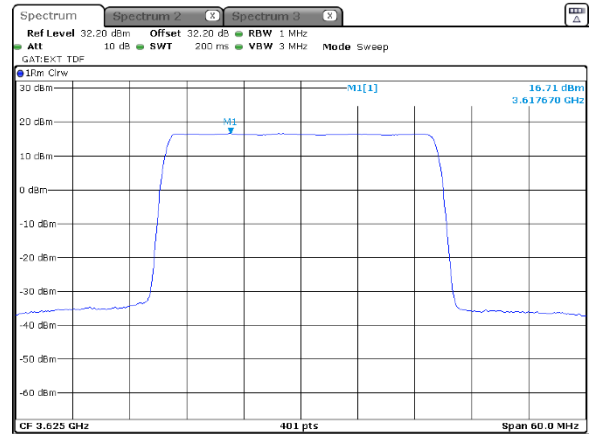
Modulation: 64QAM



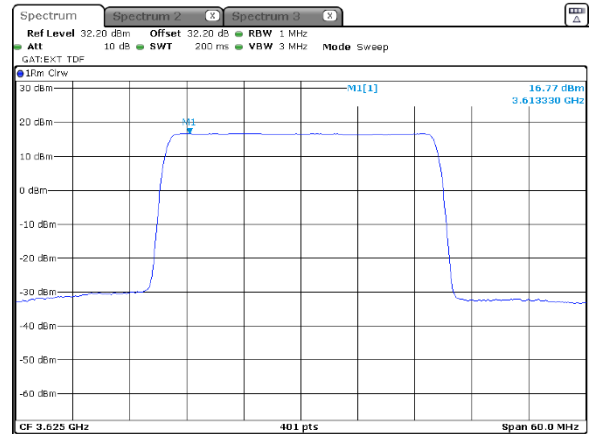
30 MHz

3

Modulation: 16QAM



Modulation: 256QAM





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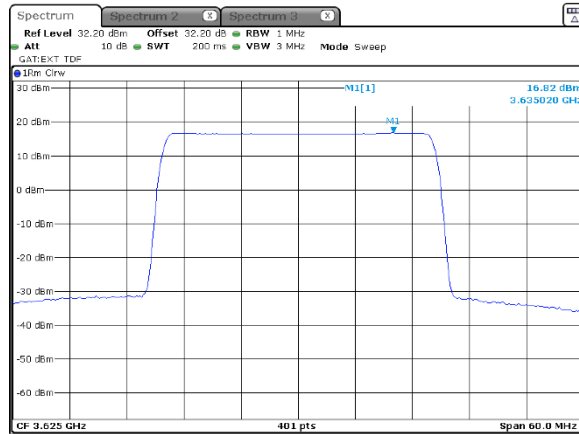
Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.32 Peak spectral power density at mid frequency

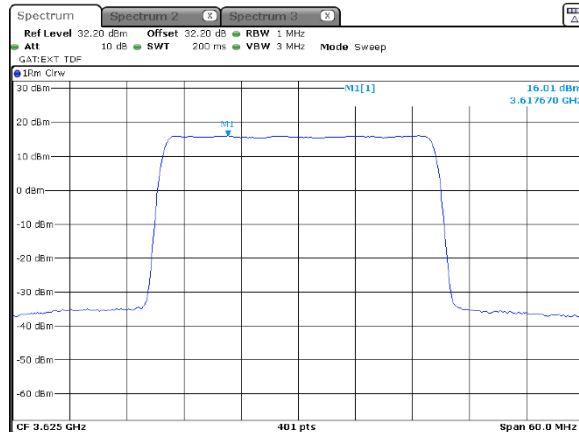
CHANNEL SPACING:

ANTENNA CHAIN:

Modulation: QPSK



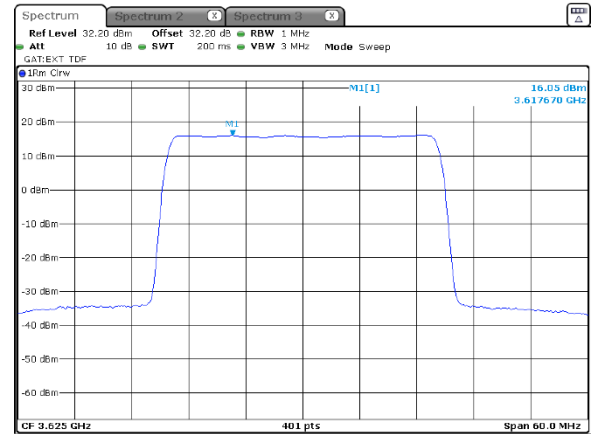
Modulation: 64QAM



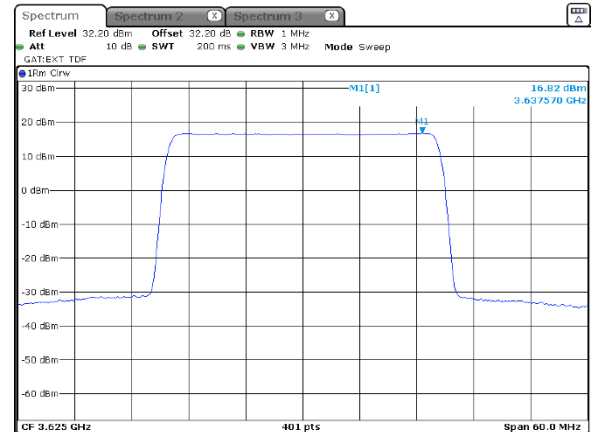
30 MHz

4

Modulation: 16QAM



Modulation: 256QAM





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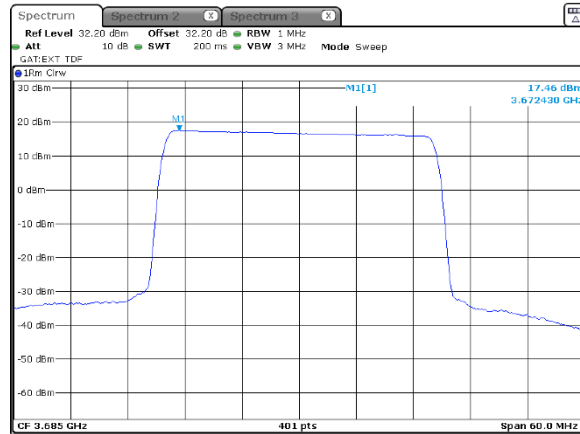
Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.33 Peak spectral power density at high frequency

CHANNEL SPACING:

ANTENNA CHAIN:

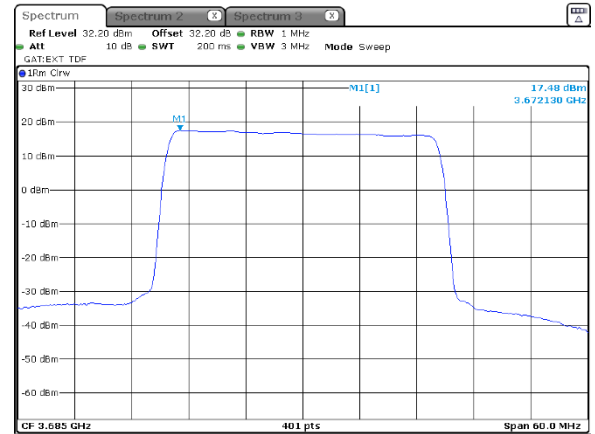
Modulation: QPSK



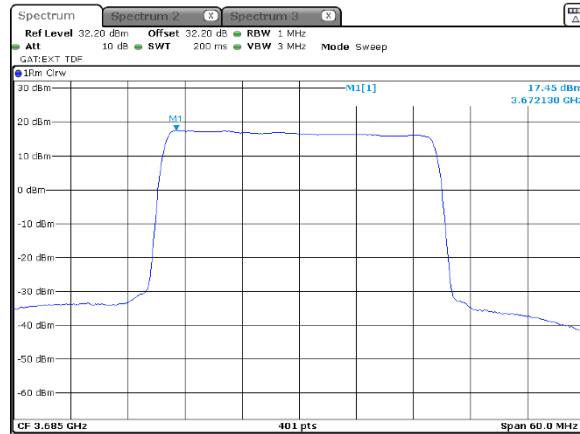
30 MHz

1

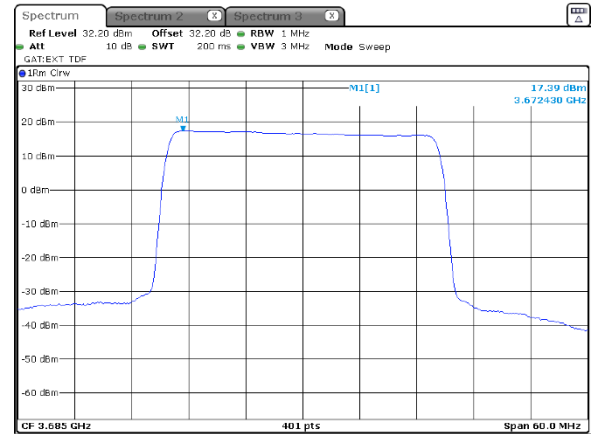
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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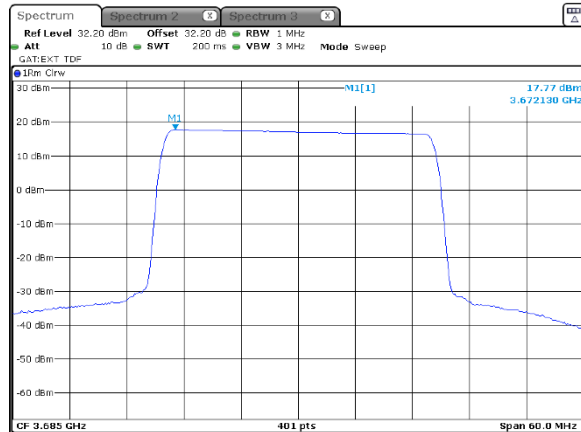
Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.34 Peak spectral power density at high frequency

CHANNEL SPACING:

ANTENNA CHAIN:

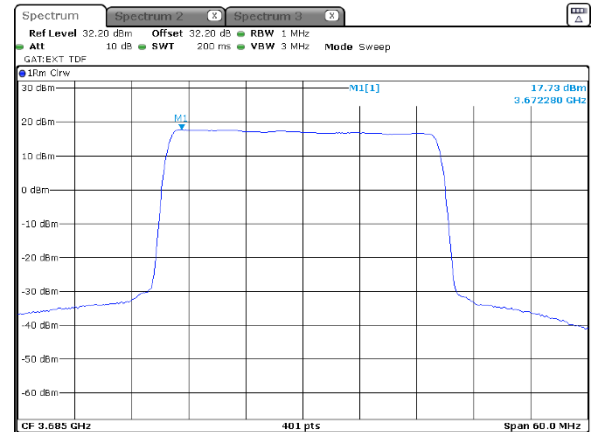
Modulation: QPSK



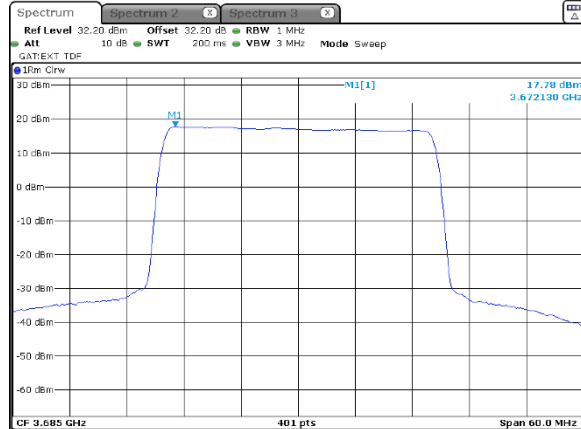
30 MHz

2

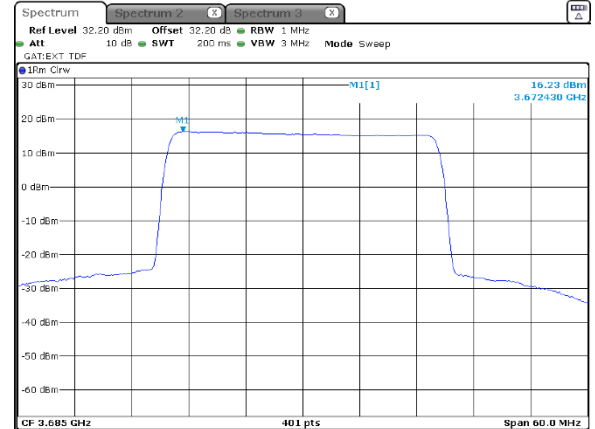
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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Date of Issue: 8-Dec-21

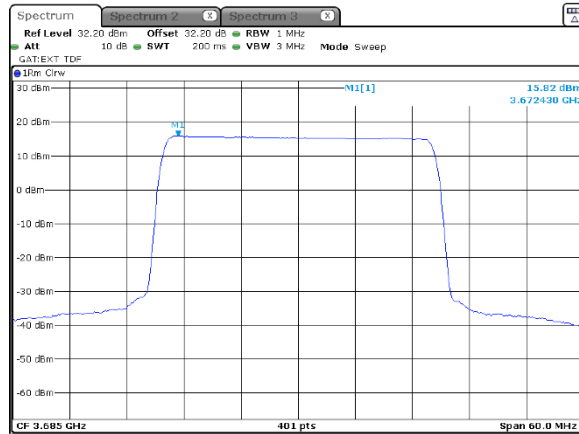
Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.35 Peak spectral power density at high frequency

CHANNEL SPACING:

ANTENNA CHAIN:

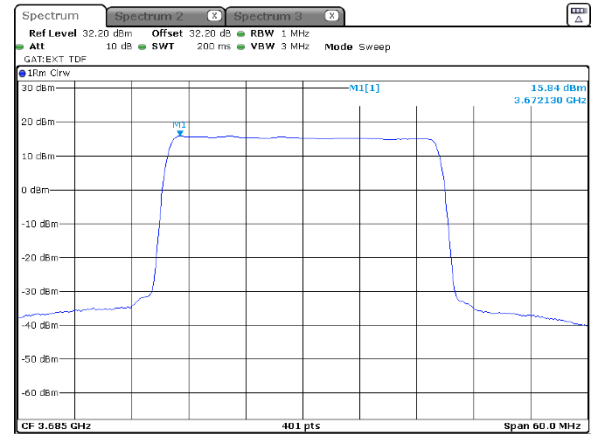
Modulation: QPSK



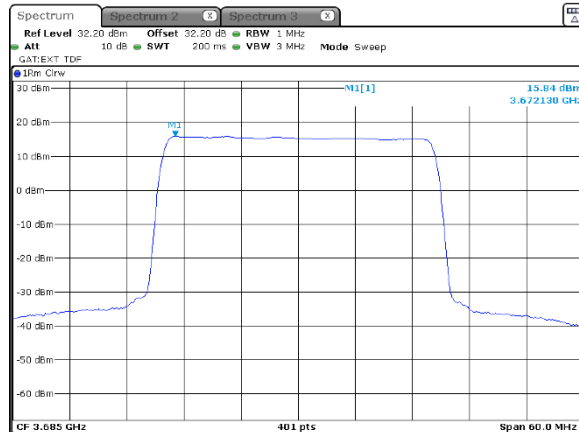
30 MHz

3

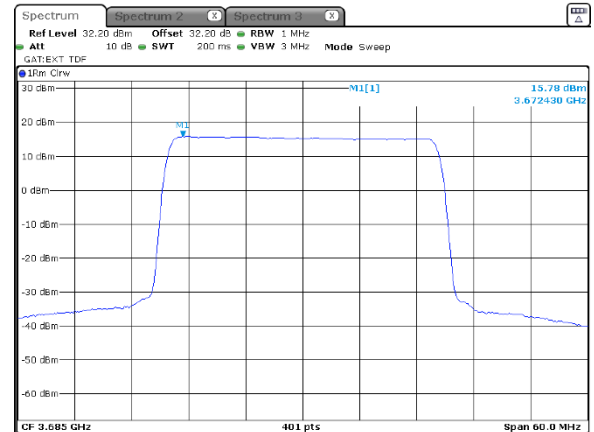
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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Date of Issue: 8-Dec-21

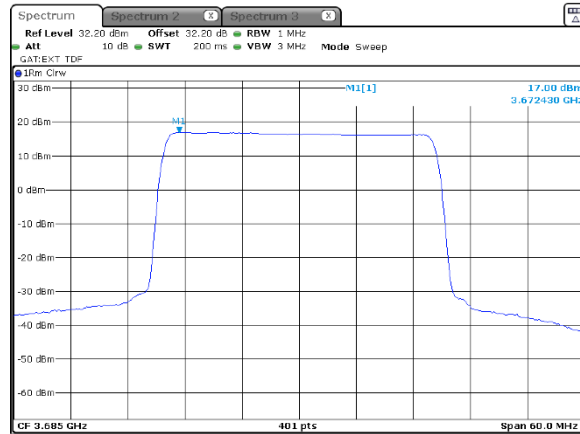
Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.36 Peak spectral power density at high frequency

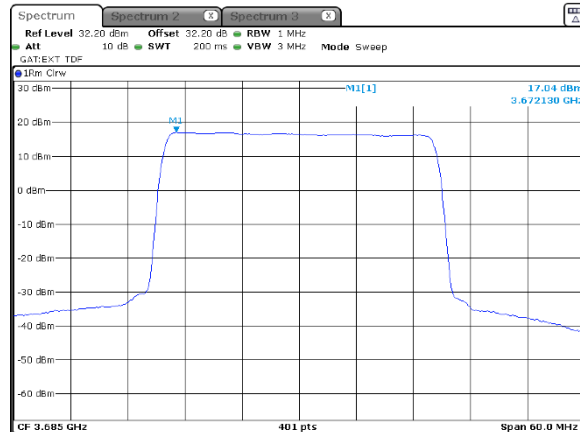
CHANNEL SPACING:

ANTENNA CHAIN:

Modulation: QPSK



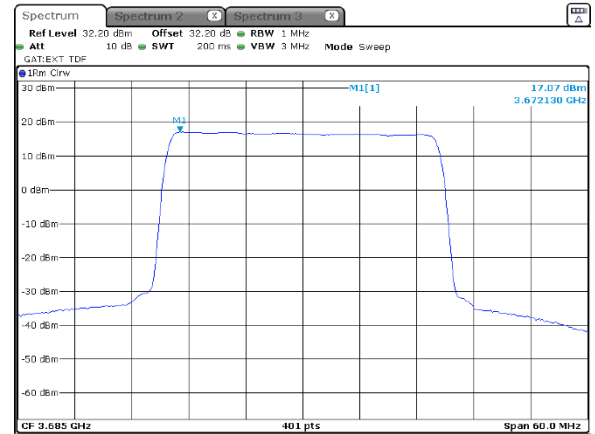
Modulation: 64QAM



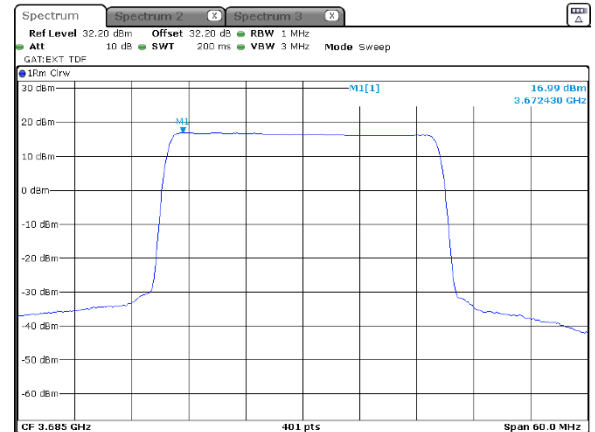
30 MHz

4

Modulation: 16QAM



Modulation: 256QAM





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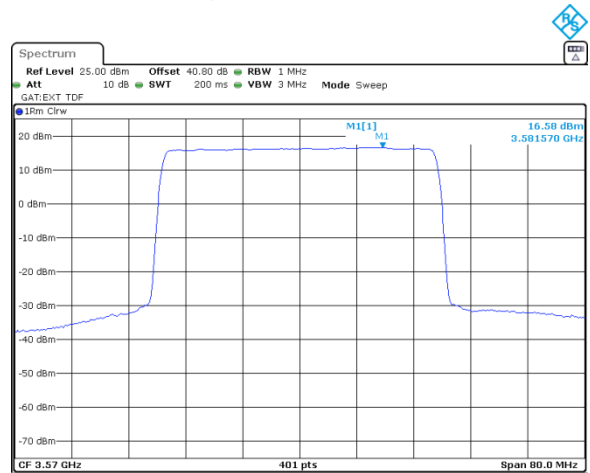
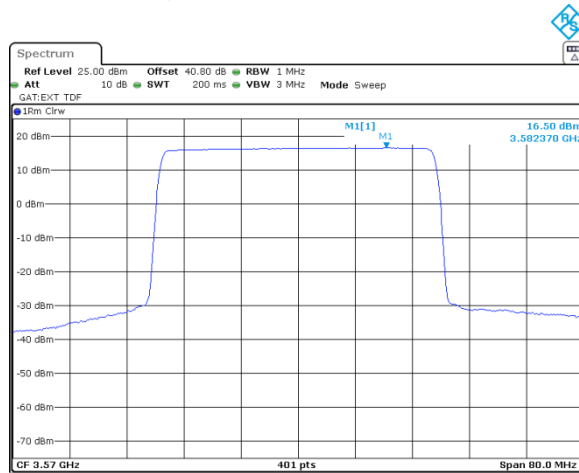
Date of Issue: 8-Dec-21

Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.37 Peak spectral power density at low frequency

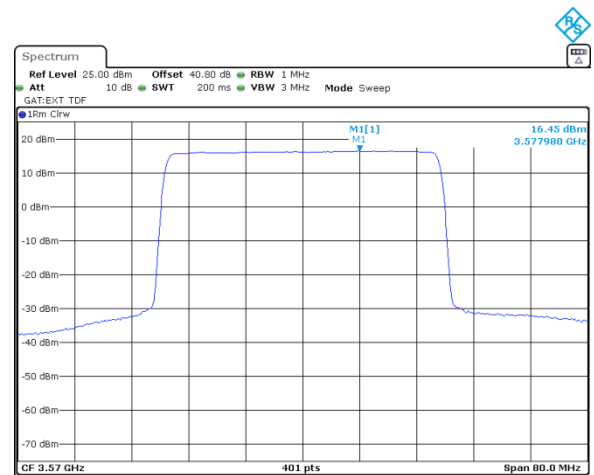
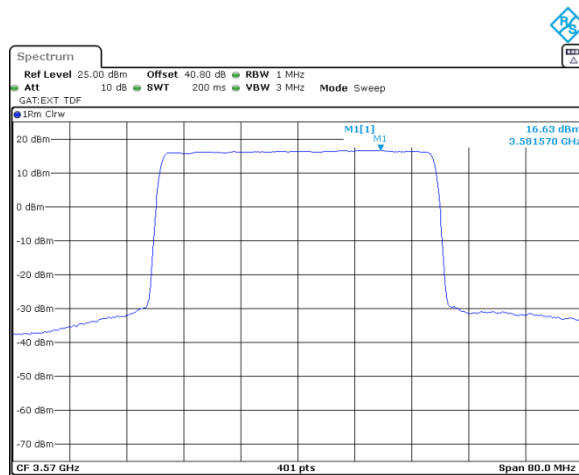
CHANNEL SPACING:
ANTENNA CHAIN:
Modulation: QPSK

40 MHz
1
Modulation: 16QAM



Modulation: 64QAM

Modulation: 256QAM





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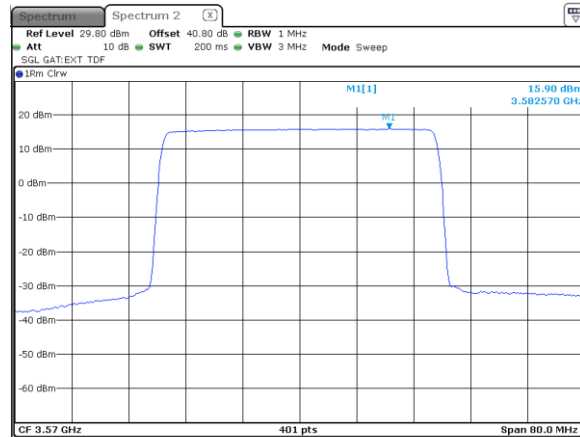
Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.38 Peak spectral power density at low frequency

CHANNEL SPACING:

ANTENNA CHAIN:

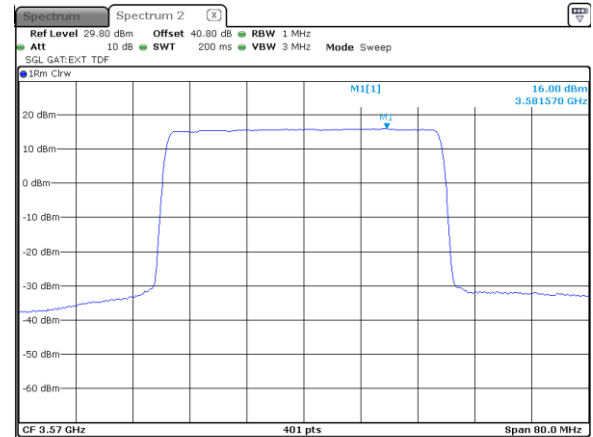
Modulation: QPSK



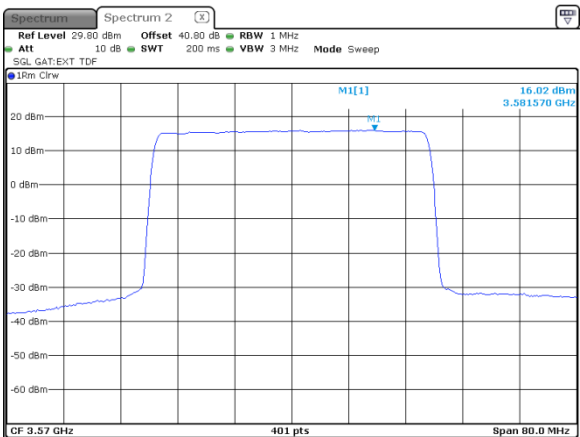
40 MHz

2

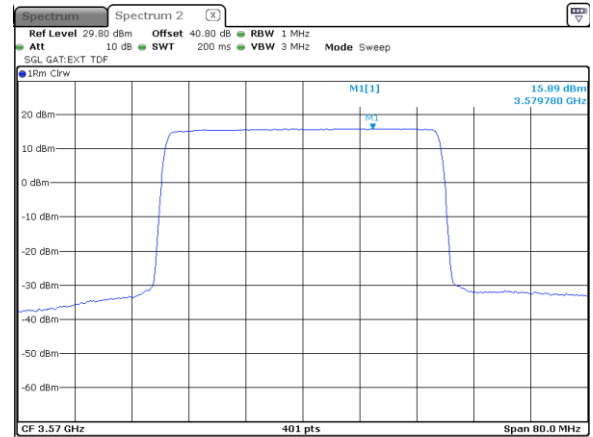
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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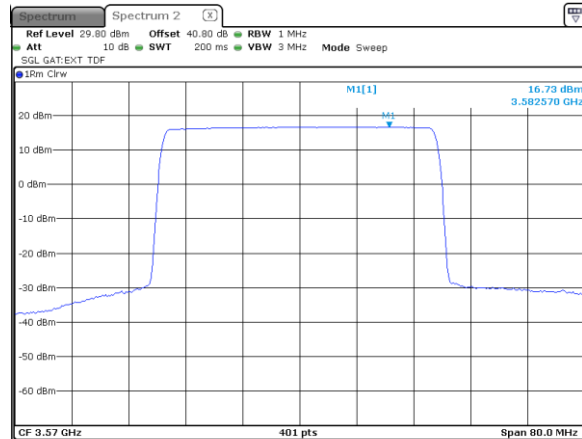
Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.39 Peak spectral power density at low frequency

CHANNEL SPACING:

ANTENNA CHAIN:

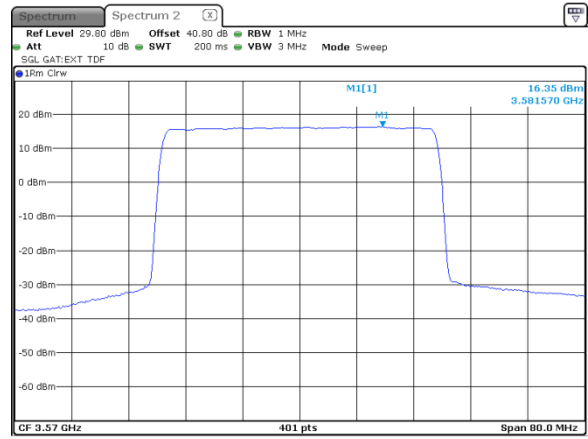
Modulation: QPSK



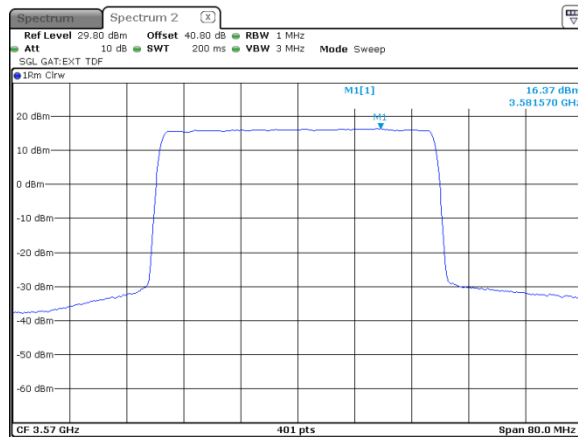
40 MHz

3

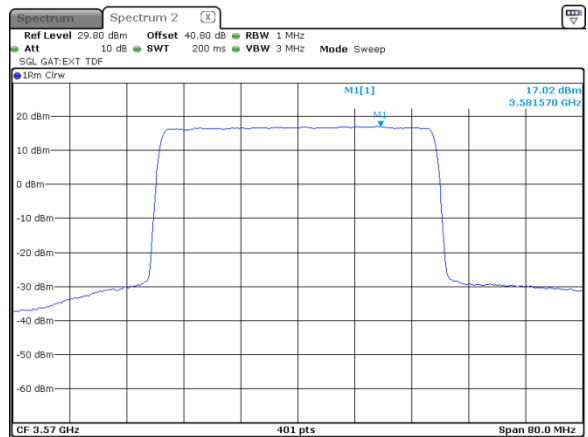
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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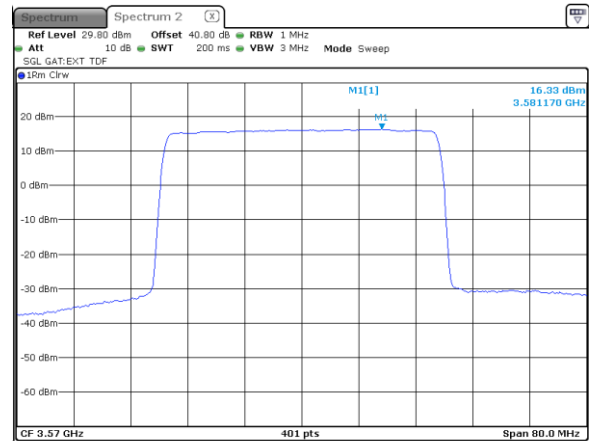
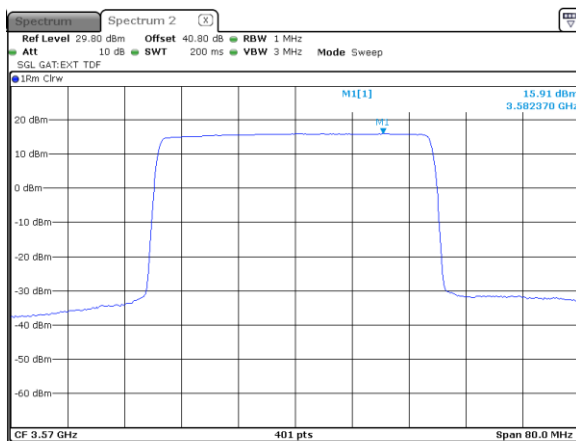
Date of Issue: 8-Dec-21

Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

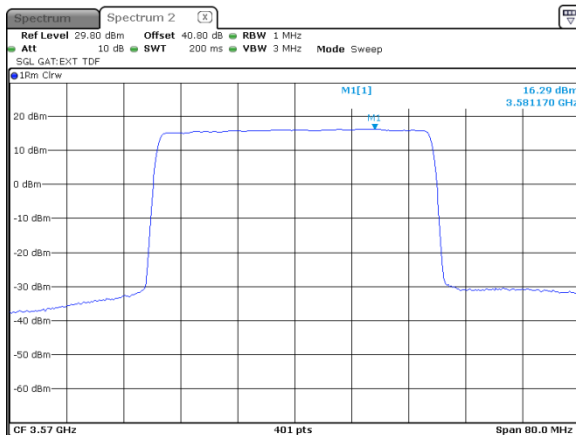
Plot 7.1.40 Peak spectral power density at low frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation: QPSK

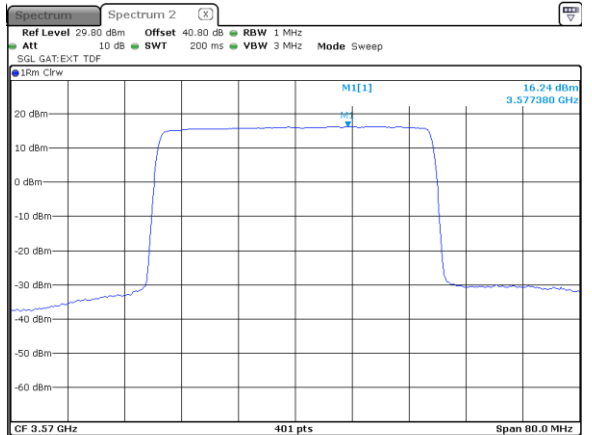
40 MHz
4
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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Report ID: AIRRAD_FCC.42554_CL2C_30MHz

Date of Issue: 8-Dec-21

Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.41 Peak spectral power density at mid frequency

CHANNEL SPACING:

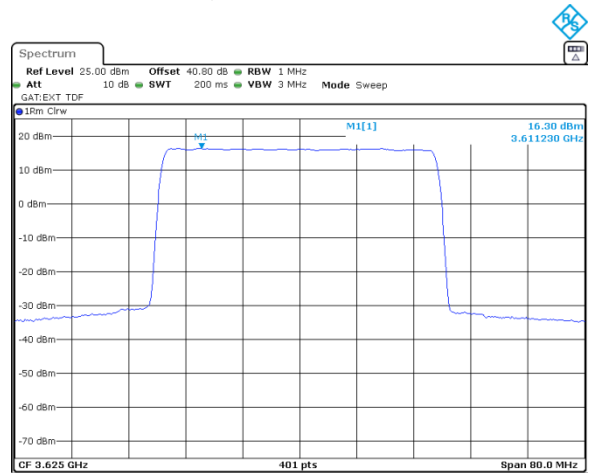
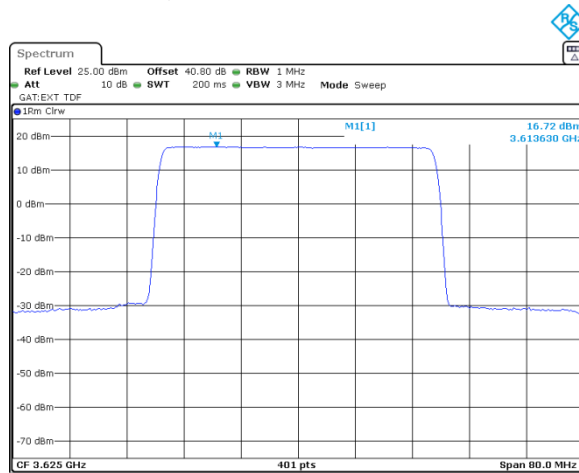
ANTENNA CHAIN:

Modulation: QPSK

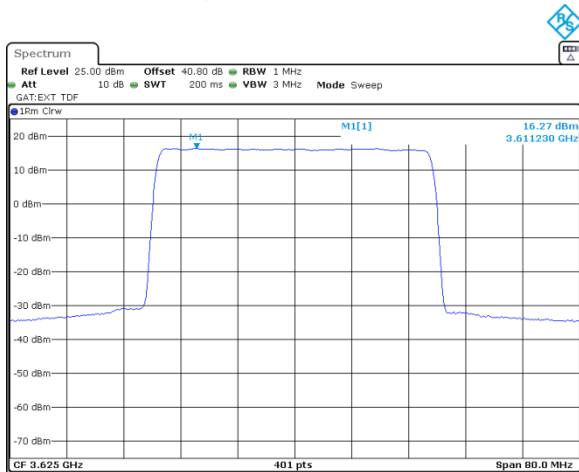
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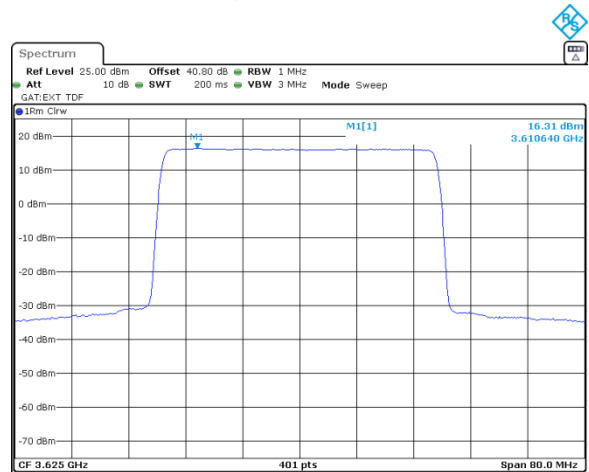
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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Report ID: AIRRAD_FCC.42554_CL2C_30MHz

Date of Issue: 8-Dec-21

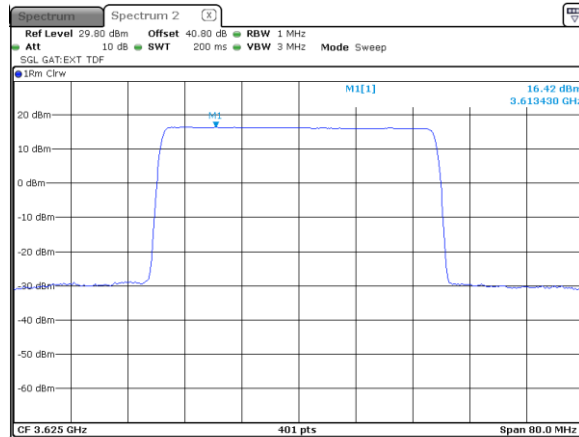
Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.42 Peak spectral power density at mid frequency

CHANNEL SPACING:

ANTENNA CHAIN:

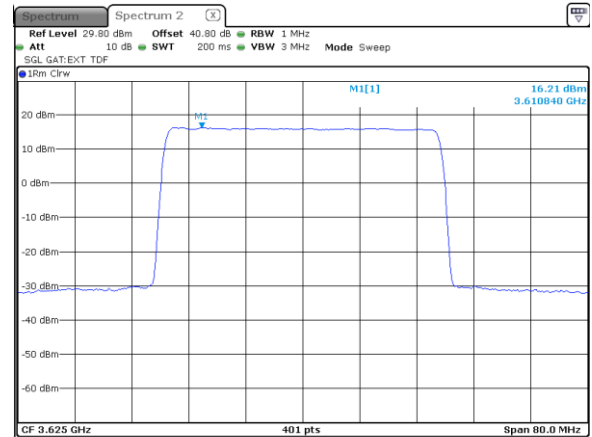
Modulation: QPSK



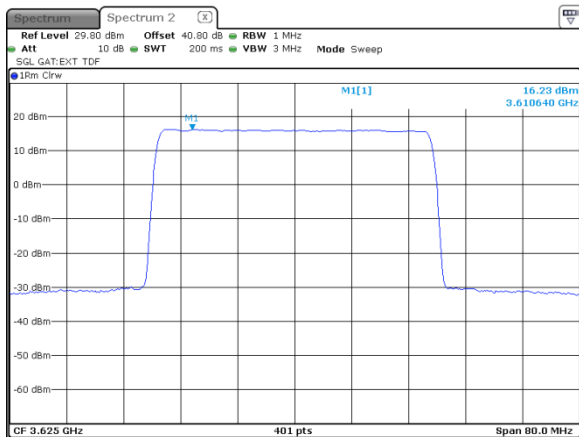
40 MHz

2

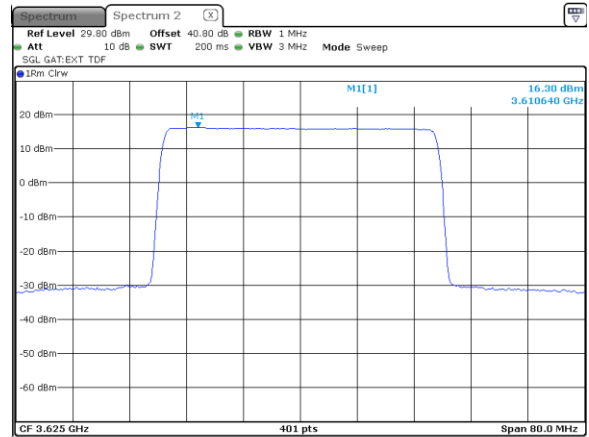
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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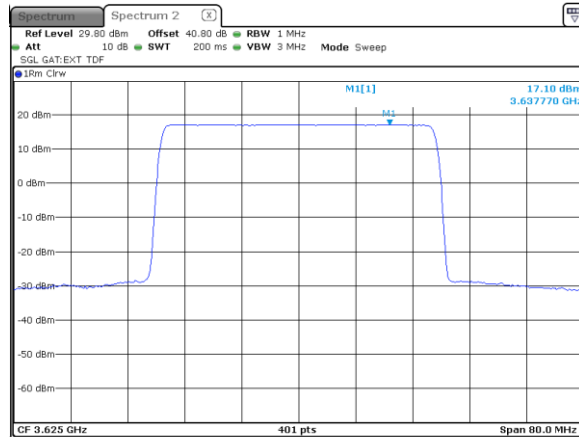
Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.43 Peak spectral power density at mid frequency

CHANNEL SPACING:

ANTENNA CHAIN:

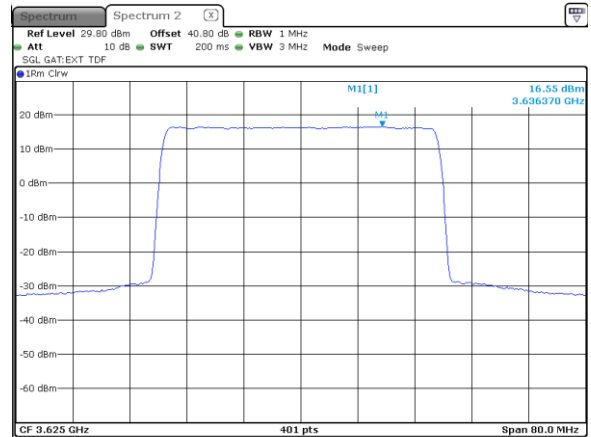
Modulation: QPSK



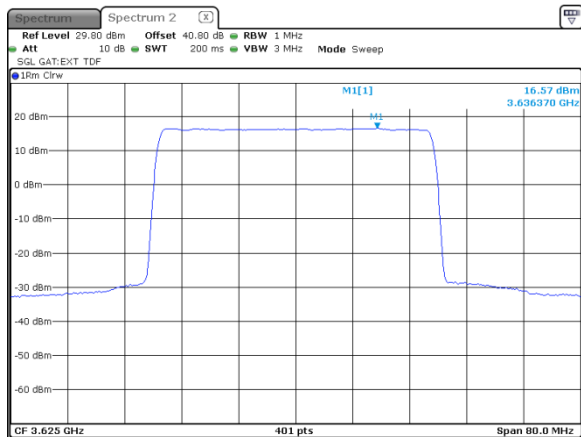
40 MHz

3

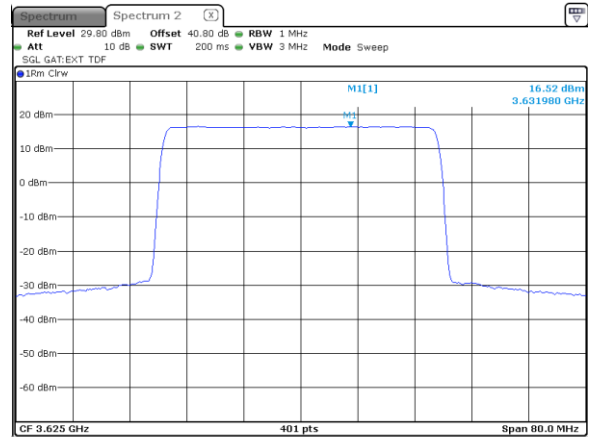
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.44 Peak spectral power density at mid frequency

CHANNEL SPACING:

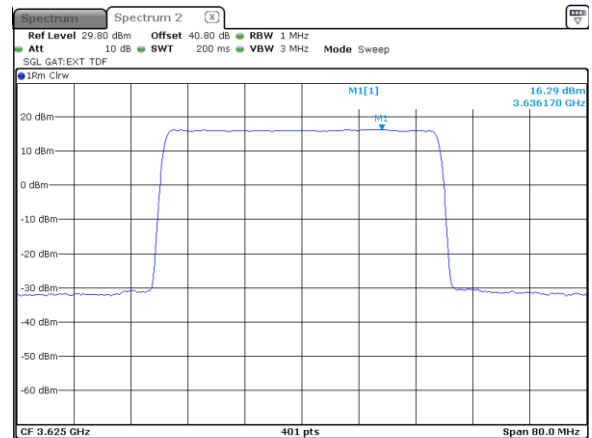
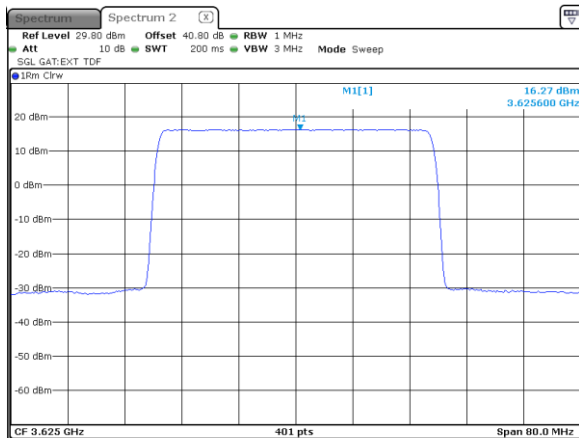
ANTENNA CHAIN:

Modulation: QPSK

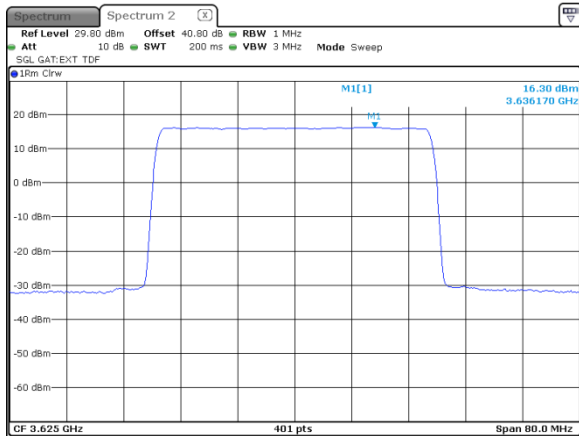
40 MHz

4

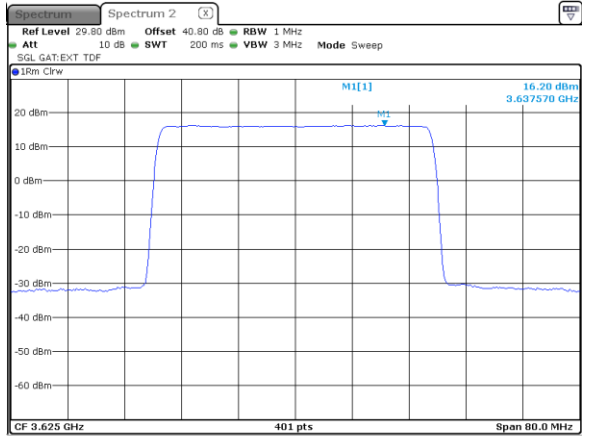
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.45 Peak spectral power density at high frequency

CHANNEL SPACING:

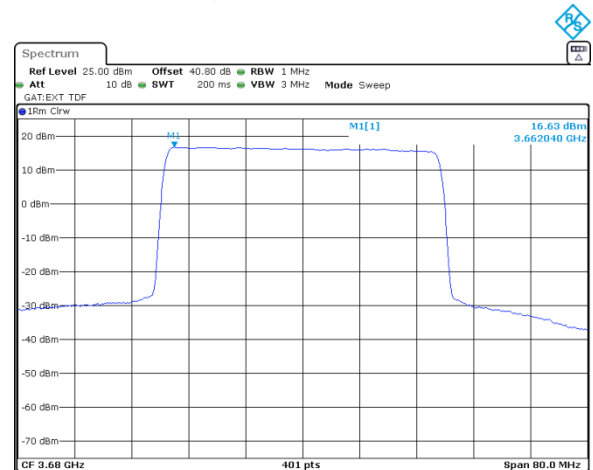
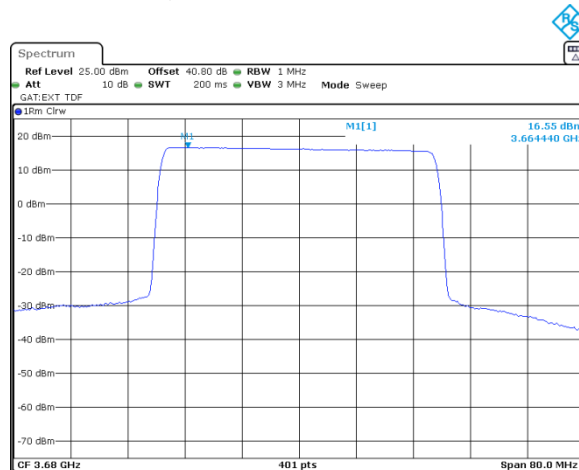
ANTENNA CHAIN:

Modulation: QPSK

40 MHz

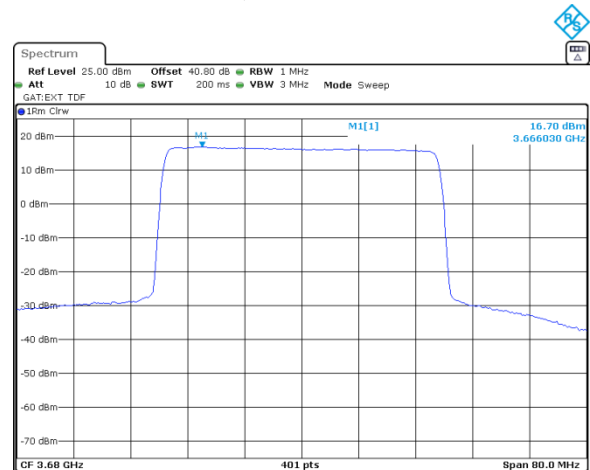
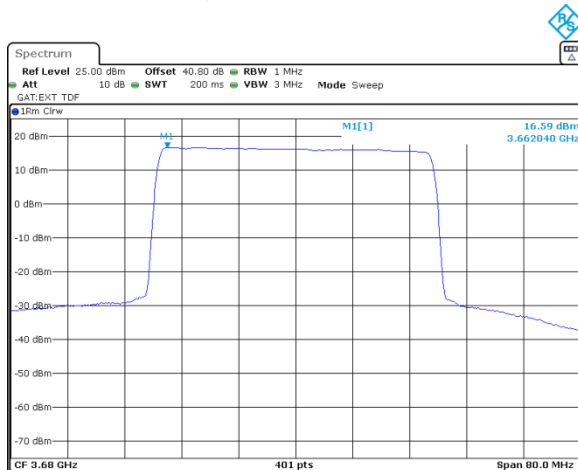
1

Modulation: 16QAM



Modulation: 64QAM

Modulation: 256QAM





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Date of Issue: 8-Dec-21

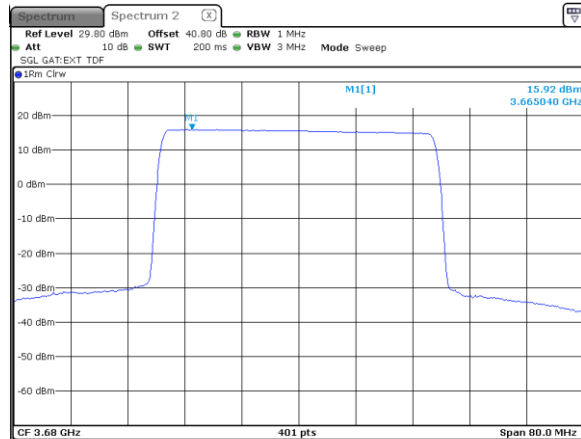
Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.46 Peak spectral power density at high frequency

CHANNEL SPACING:

ANTENNA CHAIN:

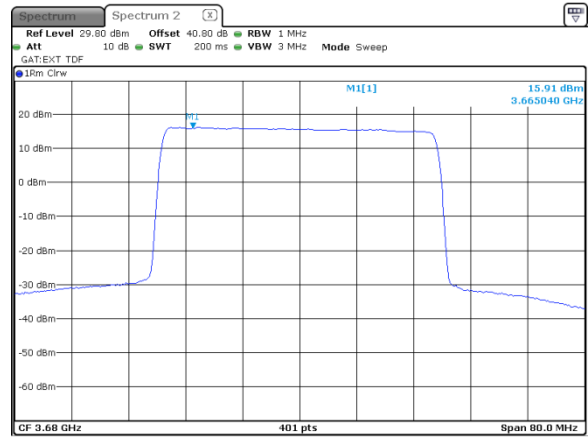
Modulation: QPSK



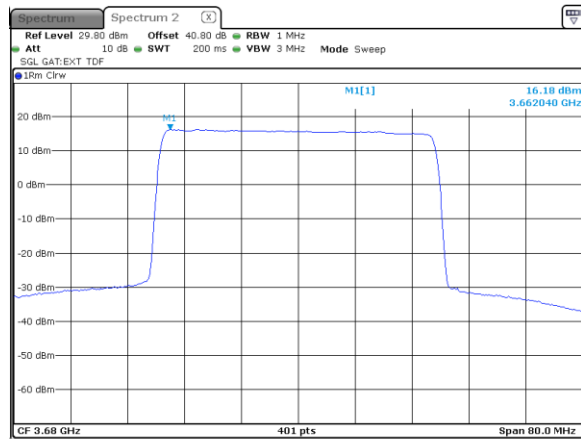
40 MHz

2

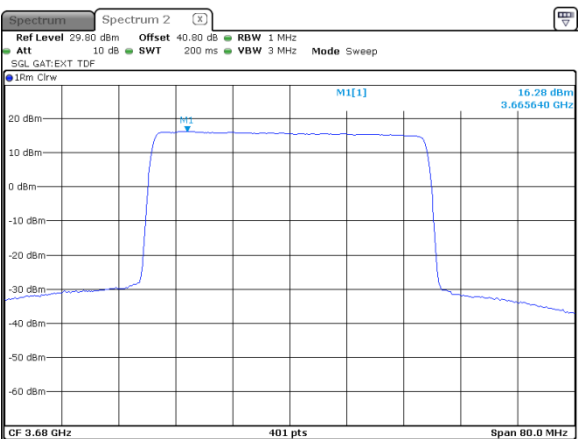
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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Report ID: AIRRAD_FCC.42554_CL2C_30MHz

Date of Issue: 8-Dec-21

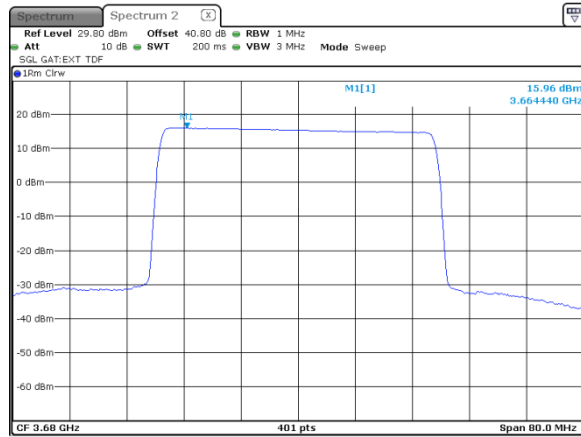
Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.47 Peak spectral power density at high frequency

CHANNEL SPACING:

ANTENNA CHAIN:

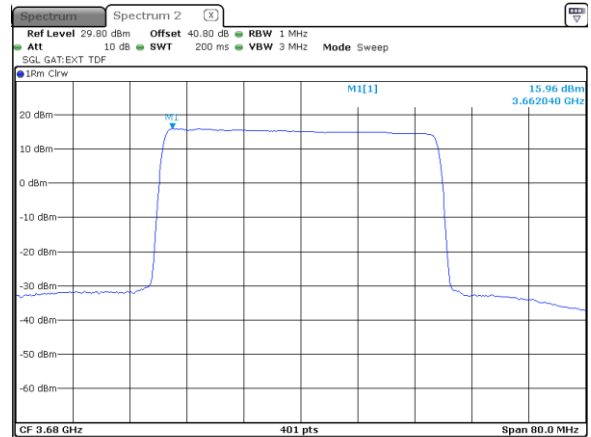
Modulation: QPSK



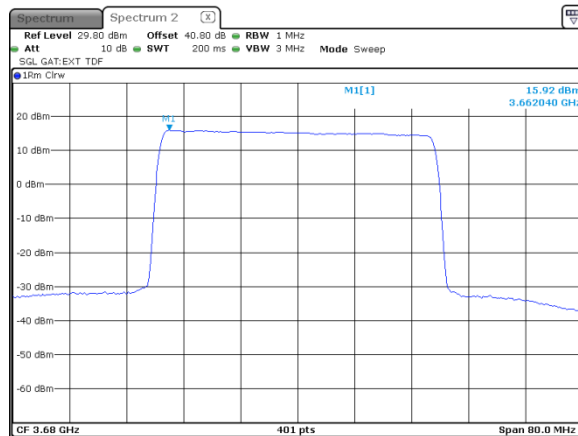
40 MHz

3

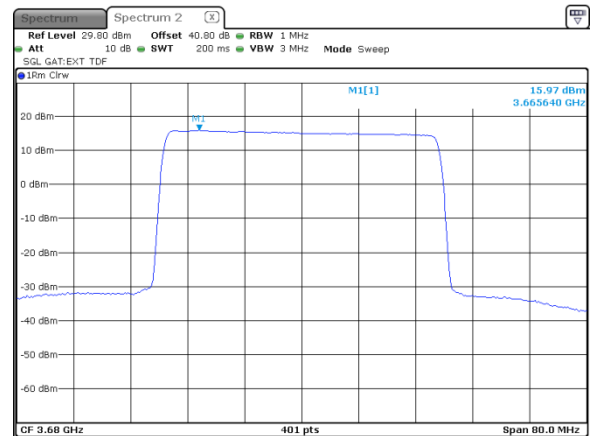
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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Report ID: AIRRAD_FCC.42554_CL2C_30MHz

Date of Issue: 8-Dec-21

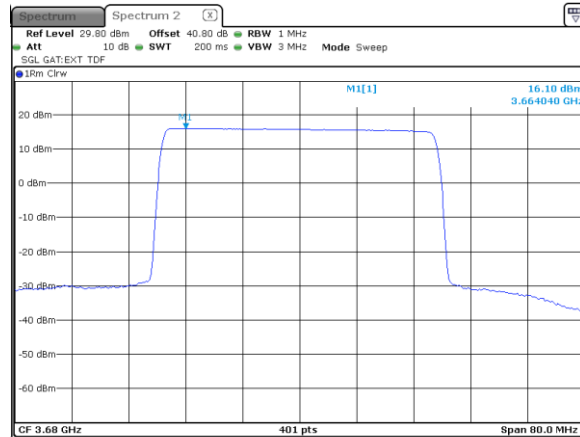
Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.48 Peak spectral power density at high frequency

CHANNEL SPACING:

ANTENNA CHAIN:

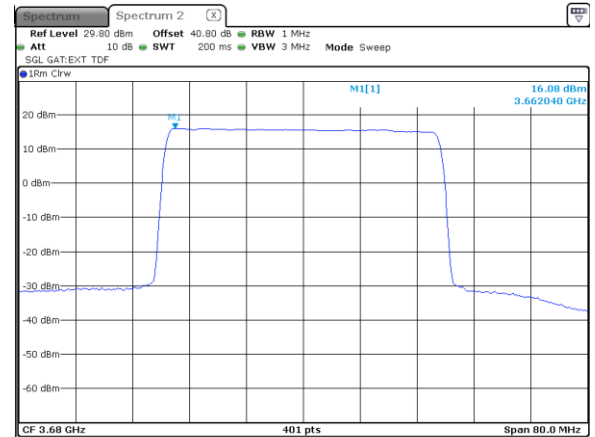
Modulation: QPSK



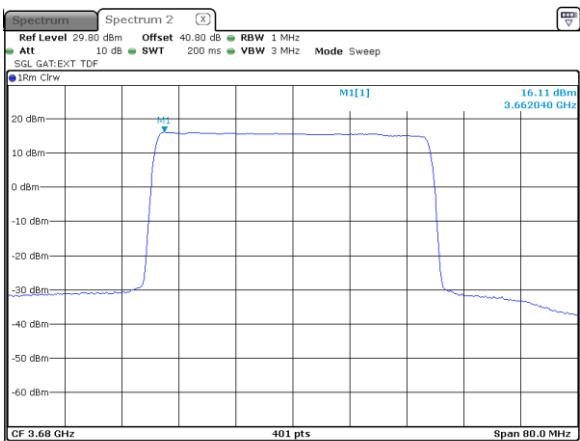
40 MHz

4

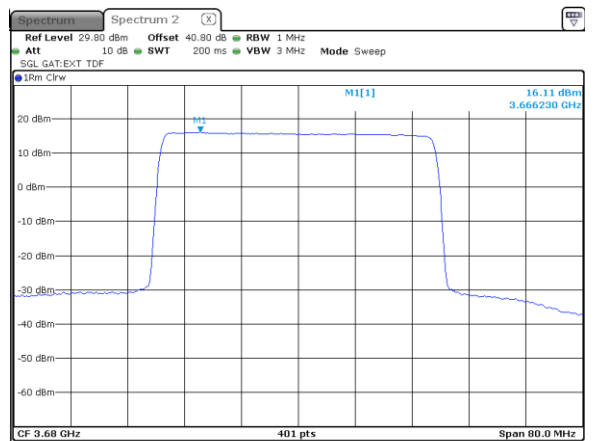
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





Test specification:		Section 96.41(g), Peak-to- average power ratio	
Test procedure:		Section 96.41(g)	
Test mode:		Verdict: PASS	
Date(s):			
25-Jul-21 – 24-Nov-21			
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VAC
Remarks:			

7.2 Peak-to-average power ratio (PAPR) test

7.2.1 General

This test was performed to measure the peak to average power ratio at RF antenna connector. Specification test limits are given in Table 7.2.1.

Table 7.2.1 Peak-to-average power ratio limits

Assigned frequency range, MHz	Peak to average power ratio limit	
	Probability, %	dB
3550.0 – 3700.0	0.1	13.0

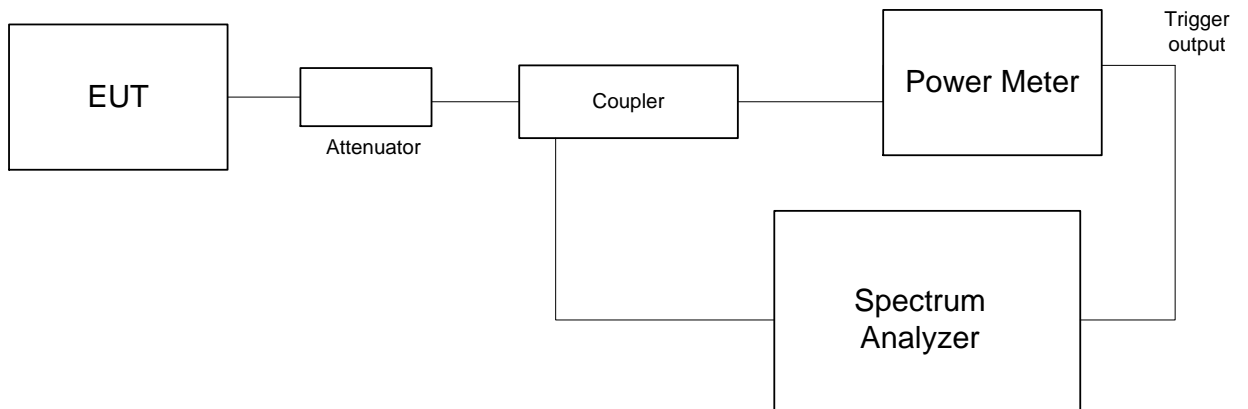
7.2.2 Test procedure

7.2.2.1 The EUT was set up as shown in Figure 7.2.1, energized and its proper operation was checked.

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

7.2.2.3 The peak to average power ratio was measured with power meter as provided in Table 7.2.2 and the associated plots.

Figure 7.2.1 Peak-to-average power ratio test setup





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Date of Issue: 8-Dec-21

Test specification:		Section 96.41(g), Peak-to- average power ratio	
Test procedure:		Section 96.41(g)	
Test mode:		Verdict: PASS	
Date(s):			
25-Jul-21 – 24-Nov-21			
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VAC
Remarks:			

Table 7.2.2 Peak-to-average power ratio test results

OPERATING FREQUENCY RANGE:

3550 – 3700 MHz

DETECTOR USED:

Peak/Average

MODULATING SIGNAL:

PRBS

TRANSMITTER OUTPUT POWER SETTINGS:

Maximum

Carrier frequency, MHz	Peak to average ratio, dB	Limit, dBm	Margin, dB	Verdict
Channel spacing 10 MHz				
Modulation QPSK				
3555.0	8.84	13.0	-4.16	Pass
3625.0	8.90	13.0	-4.10	Pass
3695.0	8.78	13.0	-4.22	Pass
Modulation 16QAM				
3555.0	8.49	13.0	-4.51	Pass
3625.0	8.55	13.0	-4.45	Pass
3695.0	8.49	13.0	-4.51	Pass
Modulation 64QAM				
3555.0	8.52	13.0	-4.48	Pass
3625.0	8.52	13.0	-4.48	Pass
3695.0	8.49	13.0	-4.51	Pass
Modulation 256QAM				
3555.0	8.52	13.0	-4.48	Pass
3625.0	8.52	13.0	-4.48	Pass
3695.0	8.43	13.0	-4.57	Pass



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Date of Issue: 8-Dec-21

Test specification:		Section 96.41(g), Peak-to- average power ratio	
Test procedure:		Section 96.41(g)	
Test mode:		Verdict: PASS	
Date(s):			
25-Jul-21 – 24-Nov-21			
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VAC
Remarks:			

Table 7.2.3 Peak-to-average power ratio test results (continue)

OPERATING FREQUENCY RANGE:

3550 – 3700 MHz

DETECTOR USED:

Peak/Average

MODULATING SIGNAL:

PRBS

TRANSMITTER OUTPUT POWER SETTINGS:

Maximum

Channel spacing 20 MHz				
Modulation QPSK				
3560.0	8.72	13.0	-4.28	Pass
3625.0	8.67	13.0	-4.33	Pass
3690.0	8.67	13.0	-4.33	Pass
Modulation 16QAM				
3560.0	8.38	13.0	-4.62	Pass
3625.0	8.35	13.0	-4.65	Pass
3690.0	8.41	13.0	-4.59	Pass
Modulation 64QAM				
3560.0	8.29	13.0	-4.71	Pass
3625.0	8.35	13.0	-4.65	Pass
3690.0	8.41	13.0	-4.59	Pass
Modulation 256QAM				
3560.0	8.35	13.0	-4.65	Pass
3625.0	8.55	13.0	-4.45	Pass
3690.0	8.46	13.0	-4.54	Pass
Channel spacing 30 MHz				
Modulation QPSK				
3565.0	9.63	13.0	-3.37	Pass
3625.0	9.59	13.0	-3.41	Pass
3685.0	9.63	13.0	-3.37	Pass
Modulation 16QAM				
3565.0	9.42	13.0	-3.58	Pass
3625.0	9.39	13.0	-3.61	Pass
3685.0	9.43	13.0	-3.57	Pass
Modulation 64QAM				
3565.0	9.42	13.0	-3.58	Pass
3625.0	9.38	13.0	-3.62	Pass
3685.0	9.44	13.0	-3.56	Pass
Modulation 256QAM				
3565.0	9.42	13.0	-3.58	Pass
3625.0	9.42	13.0	-3.58	Pass
3685.0	9.48	13.0	-3.52	Pass



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Report ID: AIRRAD_FCC.42554_CL2C_30MHz

Date of Issue: 8-Dec-21

Test specification:		Section 96.41(g), Peak-to- average power ratio	
Test procedure:		Section 96.41(g)	
Test mode:		Verdict: PASS	
Date(s):			
25-Jul-21 – 24-Nov-21			
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VAC
Remarks:			

Table 7.2.4 Peak-to-average power ratio test results (continue)

OPERATING FREQUENCY RANGE: 3550 – 3700 MHz
DETECTOR USED: Peak/Average
MODULATING SIGNAL: PRBS
TRANSMITTER OUTPUT POWER SETTINGS: Maximum

Channel spacing 40 MHz				
Modulation QPSK				
3570.0	9.54	13.0	-3.46	Pass
3625.0	9.57	13.0	-3.43	Pass
3680.0	9.58	13.0	-3.42	Pass
Modulation 16QAM				
3570.0	9.38	13.0	-3.62	Pass
3625.0	9.38	13.0	-3.62	Pass
3680.0	9.39	13.0	-3.61	Pass
Modulation 64QAM				
3570.0	9.54	13.0	-3.46	Pass
3625.0	9.36	13.0	-3.64	Pass
3680.0	9.39	13.0	-3.61	Pass
Modulation 256QAM				
3570.0	9.37	13.0	-3.63	Pass
3625.0	9.37	13.0	-3.63	Pass
3680.0	9.37	13.0	-3.63	Pass

Reference numbers of test equipment used

HL 3301	HL 3302	HL 4366	HL 5409				
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Full description is given in Appendix A.



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Report ID: AIRRAD_FCC.42554_CL2C_30MHz

Date of Issue: 8-Dec-21

Test specification: Section 96.41(g), Peak-to- average power ratio			
Test procedure: Section 96.41(g)			
Test mode: Compliance			Verdict: PASS
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VAC
Remarks:			

Plot 7.2.1 Peak-to-average power ratio test results at low frequency

CHANNEL SPACING:

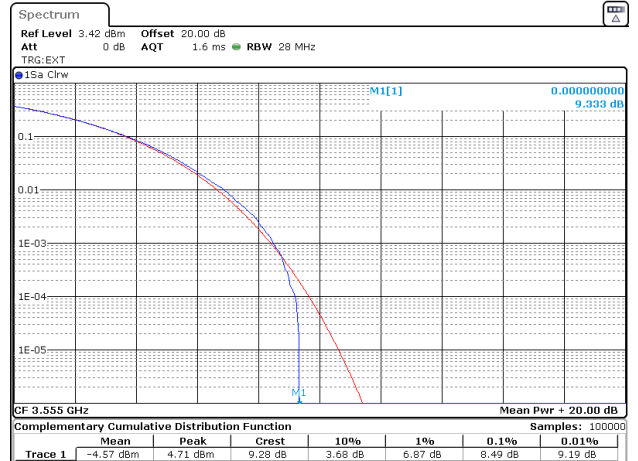
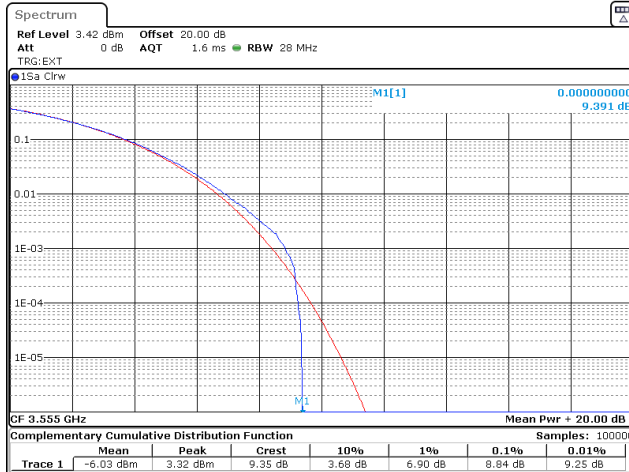
ANTENNA PORT:

Modulation: QPSK

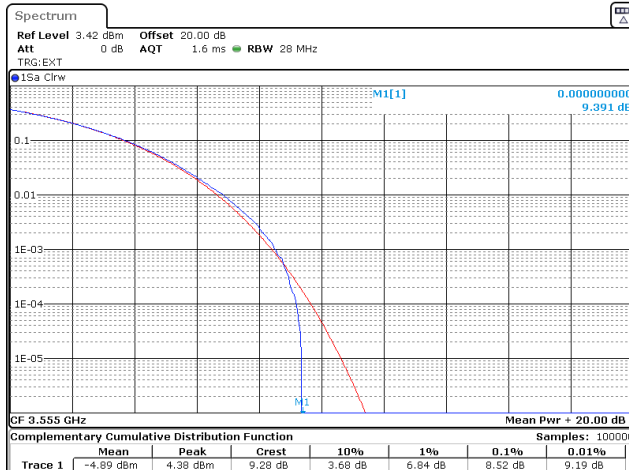
10 MHz

1

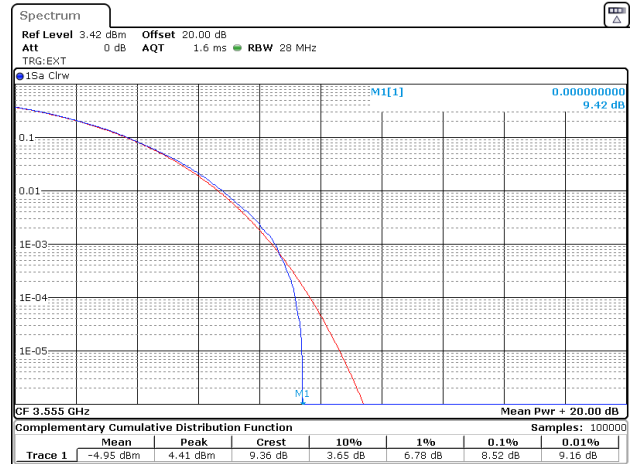
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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Report ID: AIRRAD_FCC.42554_CL2C_30MHz

Date of Issue: 8-Dec-21

Test specification: Section 96.41(g), Peak-to- average power ratio			
Test procedure: Section 96.41(g)			
Test mode: Compliance			Verdict: PASS
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VAC
Remarks:			

Plot 7.2.2 Peak-to-average power ratio test results at mid frequency

CHANNEL SPACING:

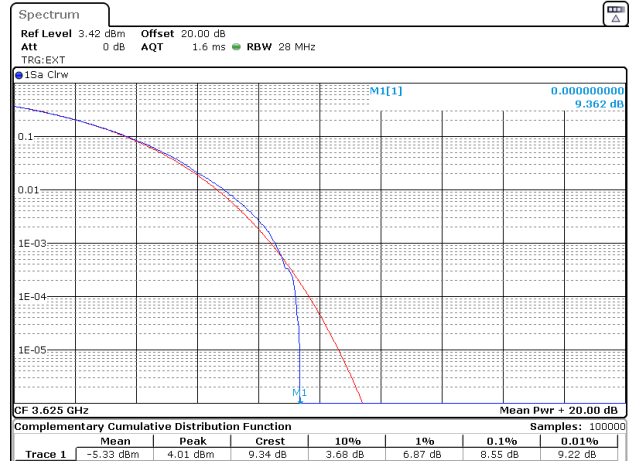
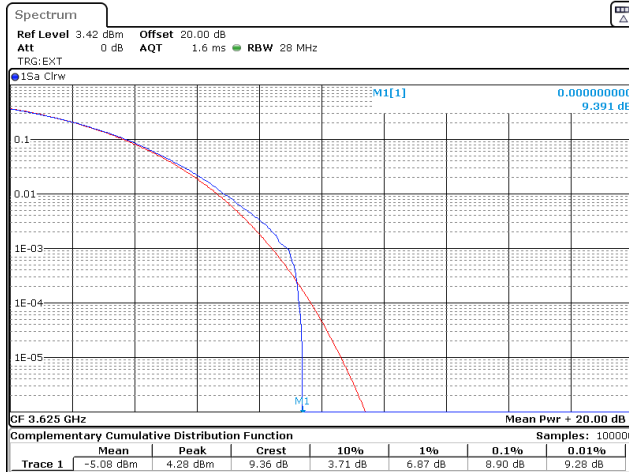
ANTENNA PORT:

Modulation: QPSK

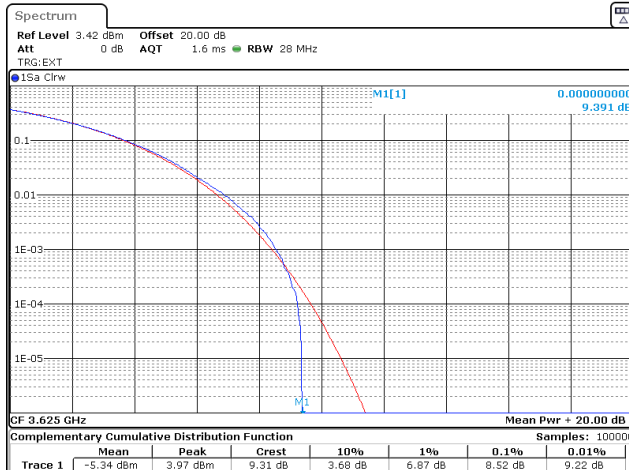
10 MHz

1

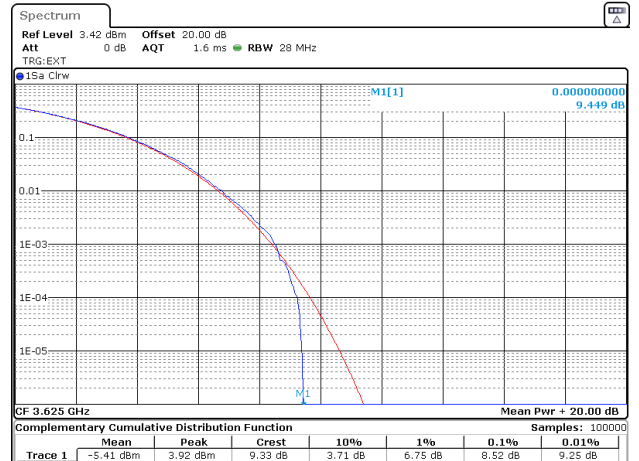
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





HERMON LABORATORIES

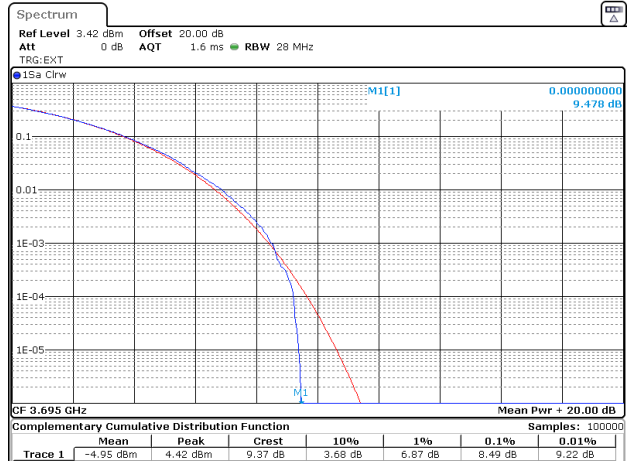
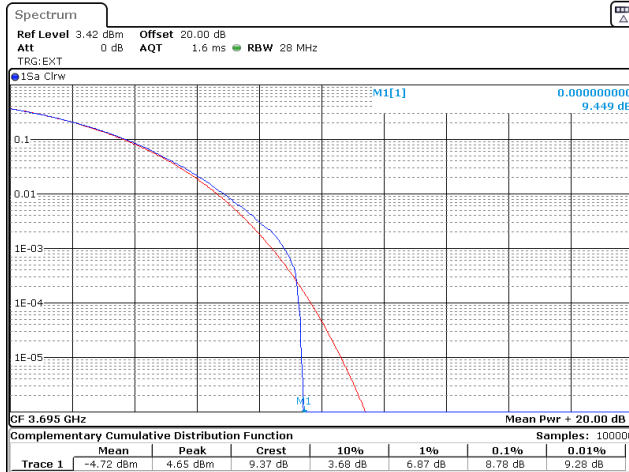
Report ID: AIRRAD_FCC.42554_CL2C_30MHz
Date of Issue: 8-Dec-21

Test specification:		Section 96.41(g), Peak-to- average power ratio	
Test procedure:		Section 96.41(g)	
Test mode:		Verdict: PASS	
Compliance			
Date(s):		25-Jul-21 – 24-Nov-21	
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VAC
Remarks:			

Plot 7.2.3 Peak-to-average power ratio test results at high frequency

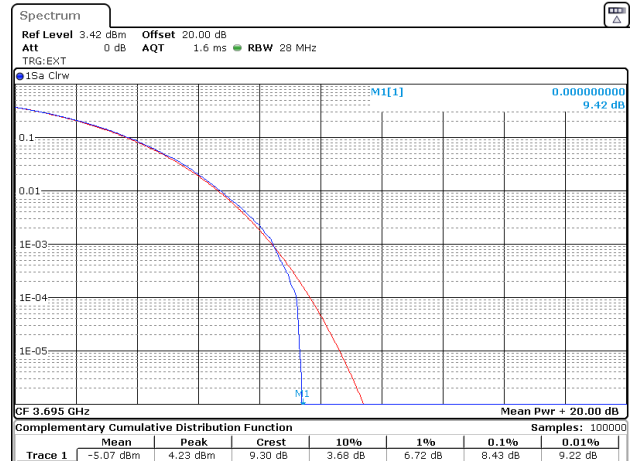
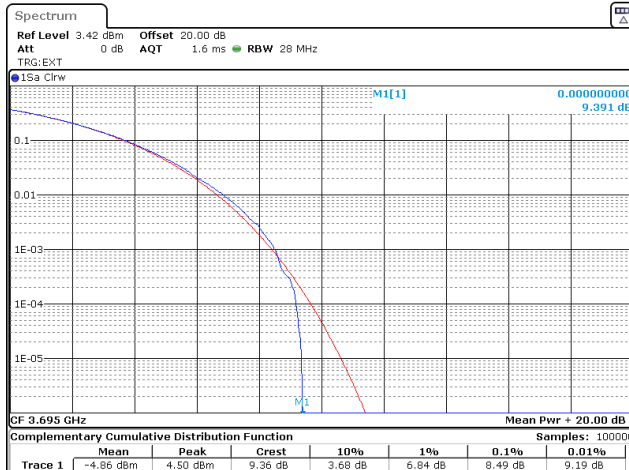
CHANNEL SPACING:
ANTENNA PORT:
Modulation: QPSK

10 MHz
1
Modulation: 16QAM



Modulation: 64QAM

Modulation: 256QAM





HERMON LABORATORIES

Report ID: AIRRAD_FCC.42554_CL2C_30MHz

Date of Issue: 8-Dec-21

Test specification: Section 96.41(g), Peak-to- average power ratio			
Test procedure: Section 96.41(g)			
Test mode: Compliance			Verdict: PASS
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VAC
Remarks:			

Plot 7.2.4 Peak-to-average power ratio test results at low frequency

CHANNEL SPACING:

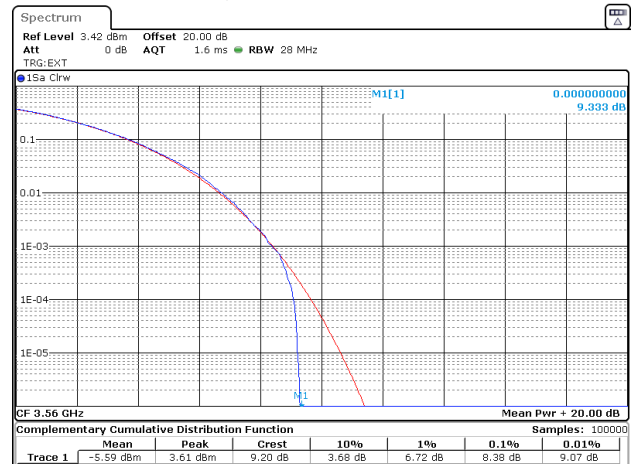
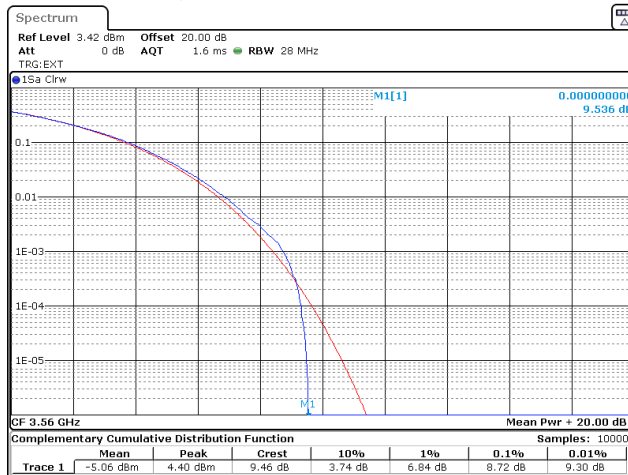
ANTENNA PORT:

Modulation: QPSK

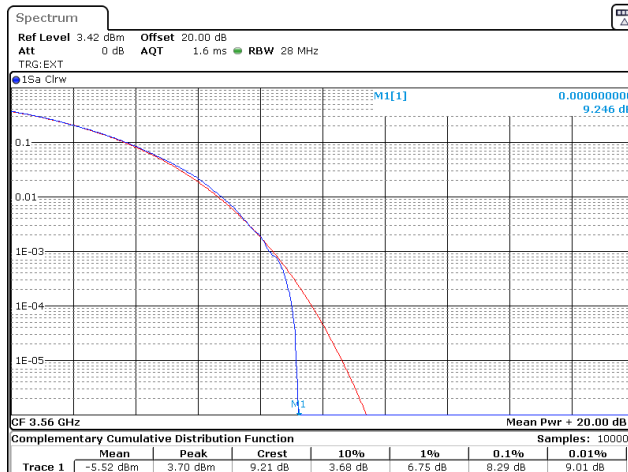
20 MHz

1

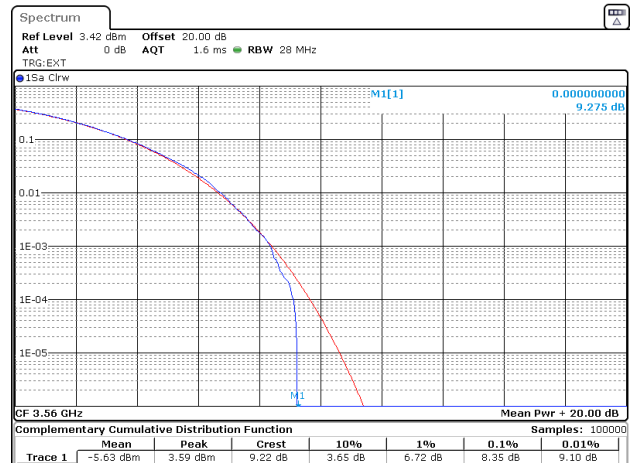
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





HERMON LABORATORIES

Report ID: AIRRAD_FCC.42554_CL2C_30MHz

Date of Issue: 8-Dec-21

Test specification:		Section 96.41(g), Peak-to- average power ratio	
Test procedure:		Section 96.41(g)	
Test mode:		Verdict: PASS	
Date(s):			
25-Jul-21 – 24-Nov-21			
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VAC
Remarks:			

Plot 7.2.5 Peak-to-average power ratio test results at mid frequency

CHANNEL SPACING:

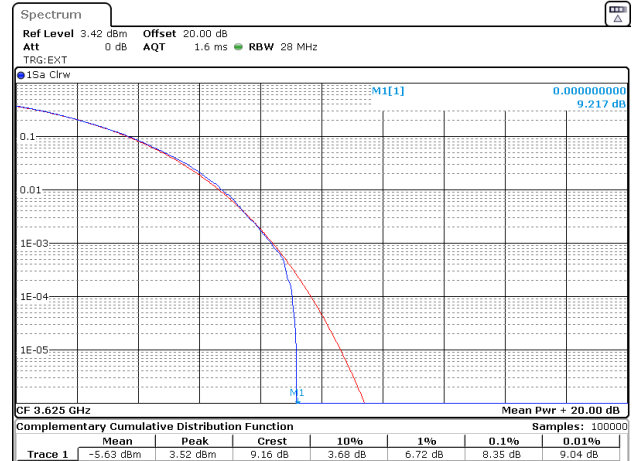
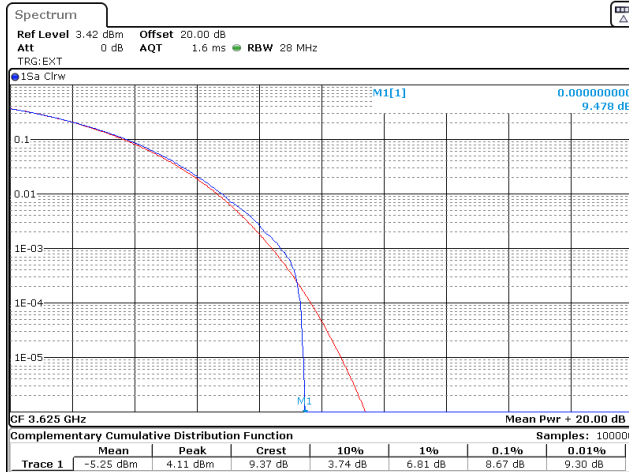
ANTENNA PORT:

Modulation: QPSK

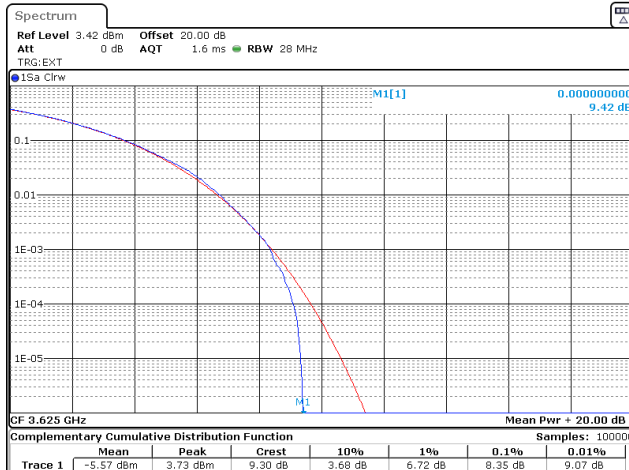
20 MHz

1

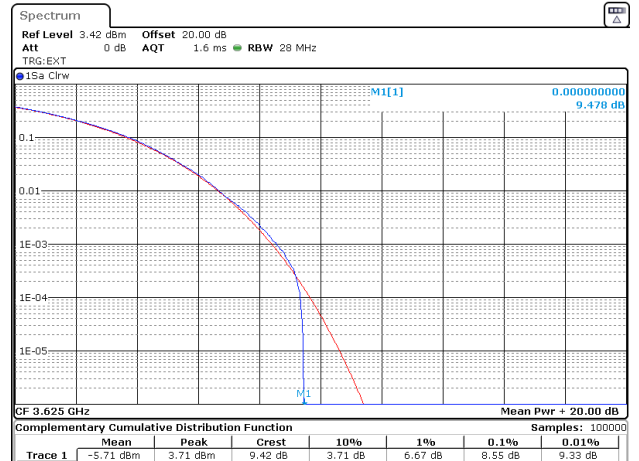
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





HERMON LABORATORIES

Report ID: AIRRAD_FCC.42554_CL2C_30MHz

Date of Issue: 8-Dec-21

Test specification: Section 96.41(g), Peak-to- average power ratio			
Test procedure: Section 96.41(g)			
Test mode: Compliance			Verdict: PASS
Date(s): 25-Jul-21 – 24-Nov-21			
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VAC
Remarks:			

Plot 7.2.6 Peak-to-average power ratio test results at high frequency

CHANNEL SPACING:

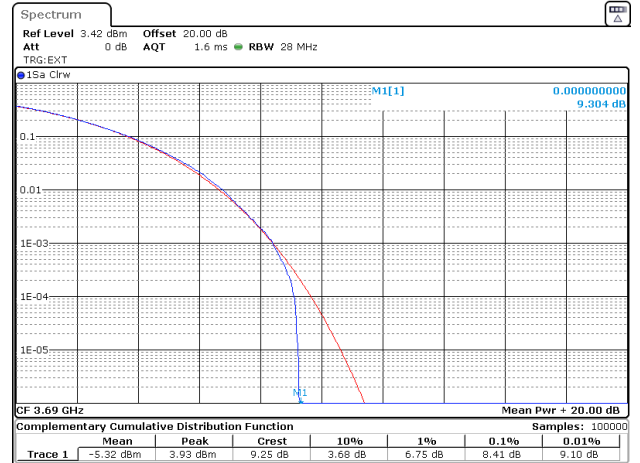
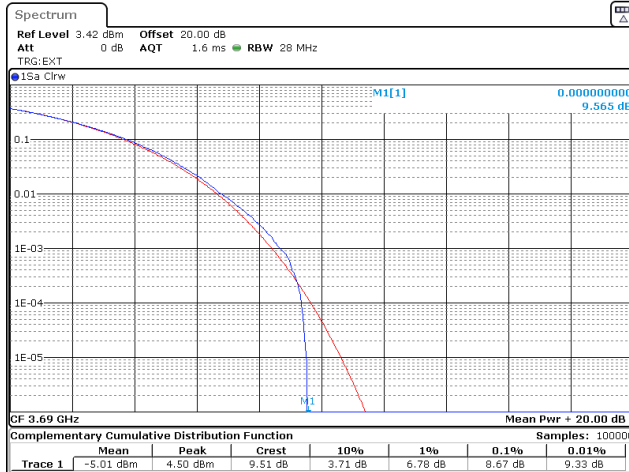
ANTENNA PORT:

Modulation: QPSK

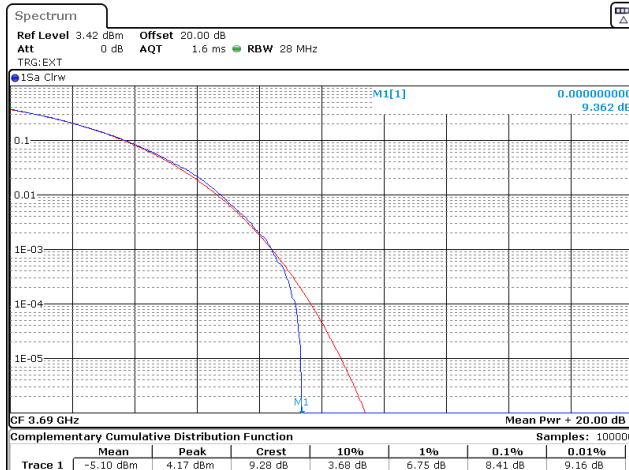
20 MHz

1

Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM

