



HERMON LABORATORIES

Report ID: AIRRAD_FCC.42554_Rev2

Date of Issue: 25-Oct-21

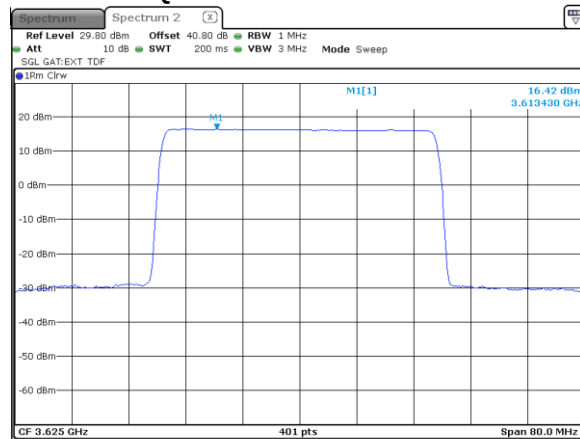
Test specification:		Section 96.41(b), Maximum EIRP and maximum power spectral density	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
25-Jul-21 – 30-Aug-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.30 Peak spectral power density at mid frequency

CHANNEL SPACING:

ANTENNA CHAIN:

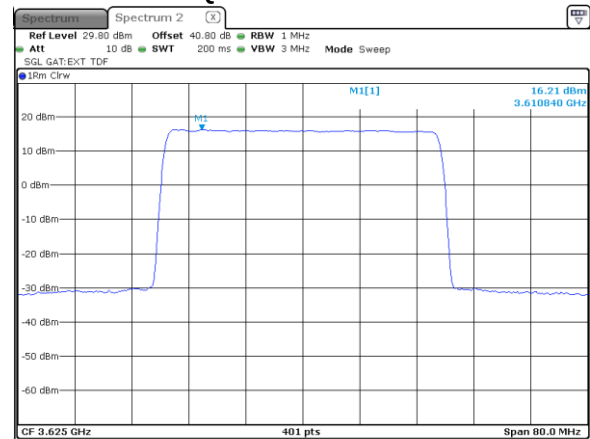
Modulation: QPSK



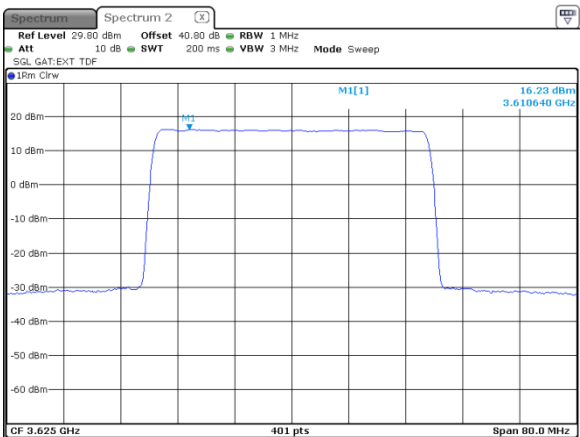
40 MHz

2

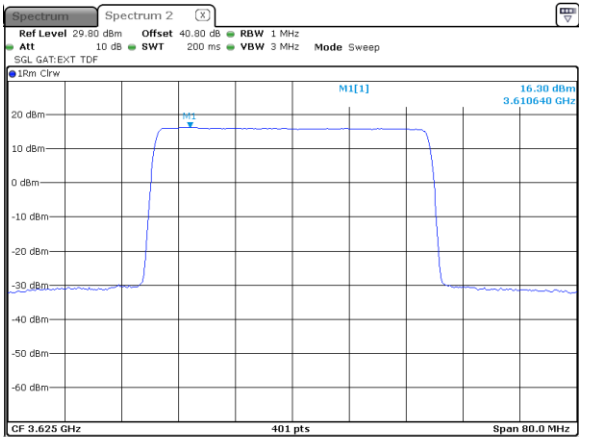
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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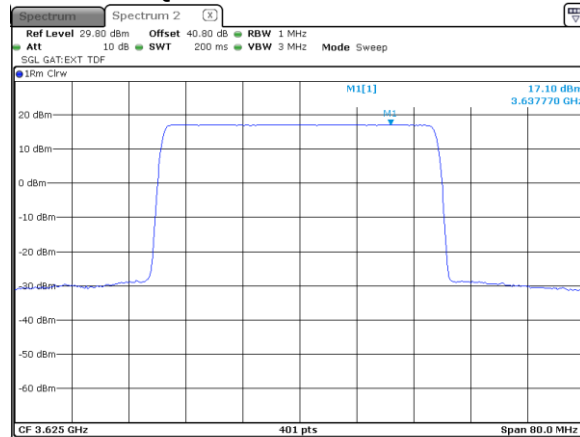
Test specification:		Section 96.41(b), Maximum EIRP and maximum power spectral density	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
25-Jul-21 – 30-Aug-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.31 Peak spectral power density at mid frequency

CHANNEL SPACING:

ANTENNA CHAIN:

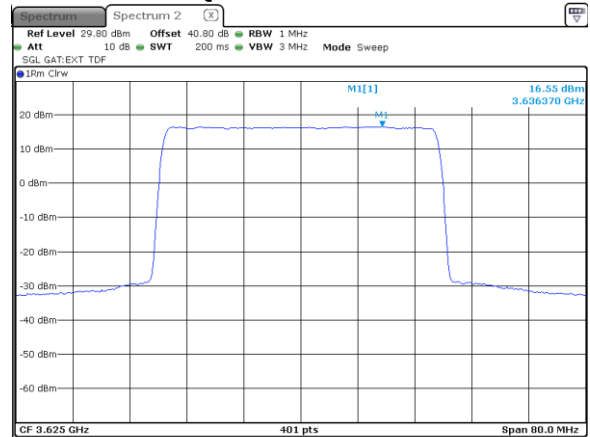
Modulation: QPSK



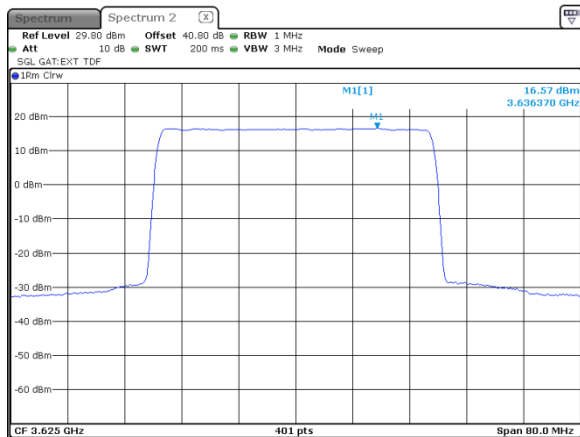
40 MHz

3

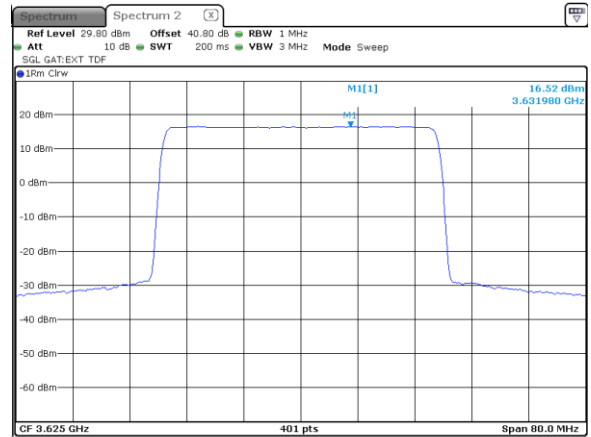
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
25-Jul-21 – 30-Aug-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:

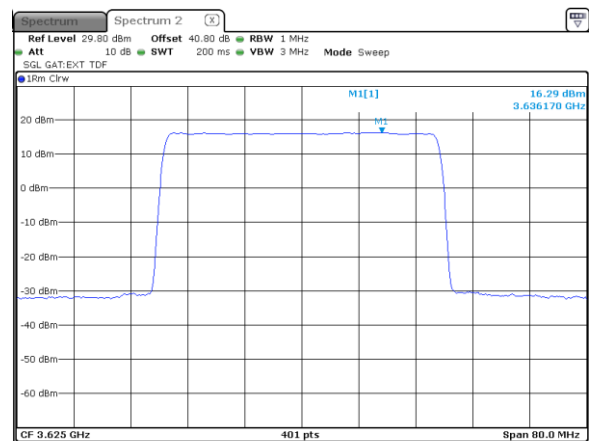
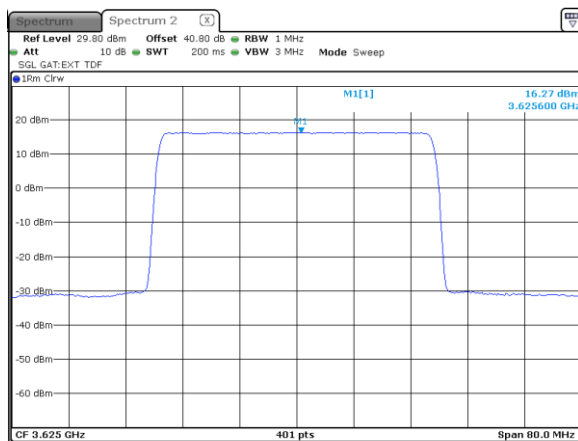
ANTENNA CHAIN:

Modulation: QPSK

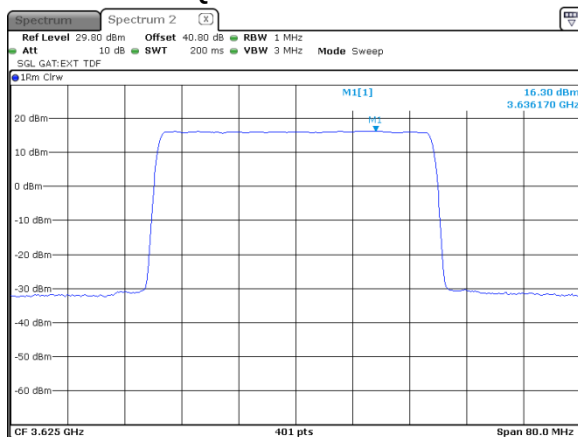
40 MHz

4

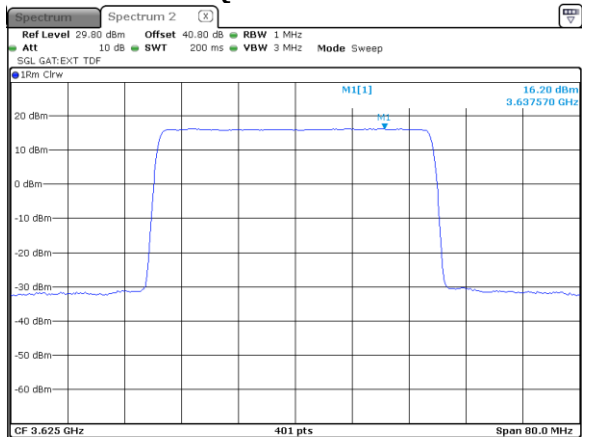
Modulation: 16QAM



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:		Verdict: PASS	
Date(s):			
25-Jul-21 – 30-Aug-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:

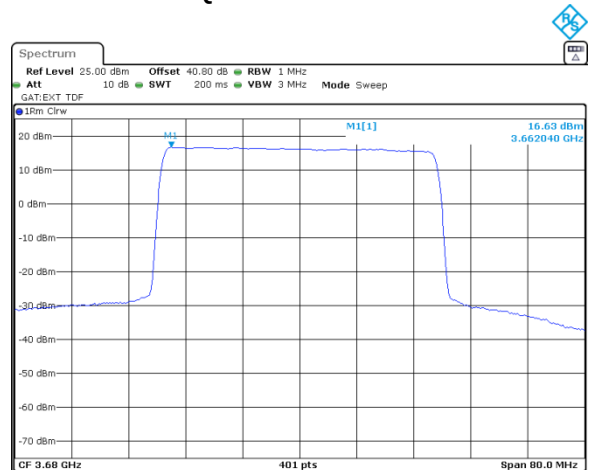
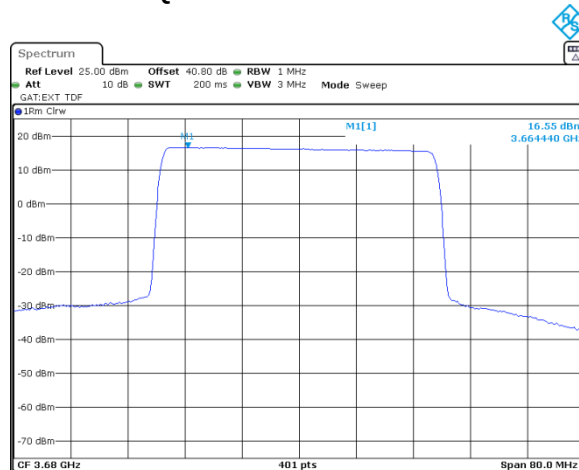
ANTENNA CHAIN:

Modulation: QPSK

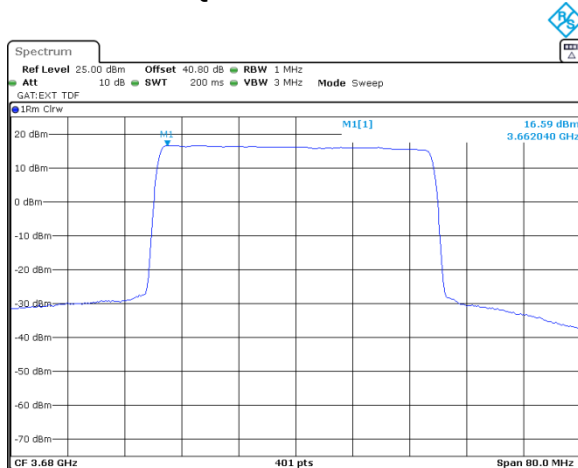
40 MHz

1

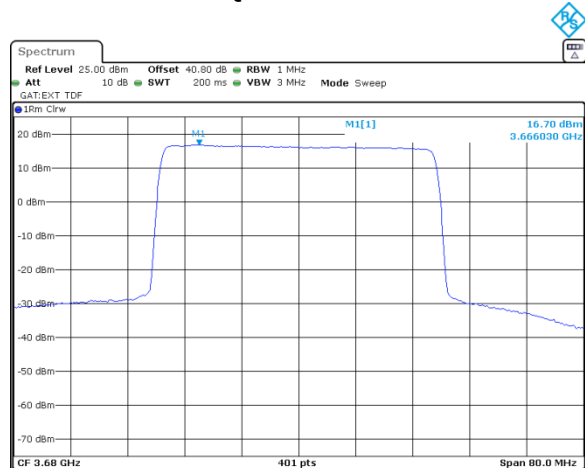
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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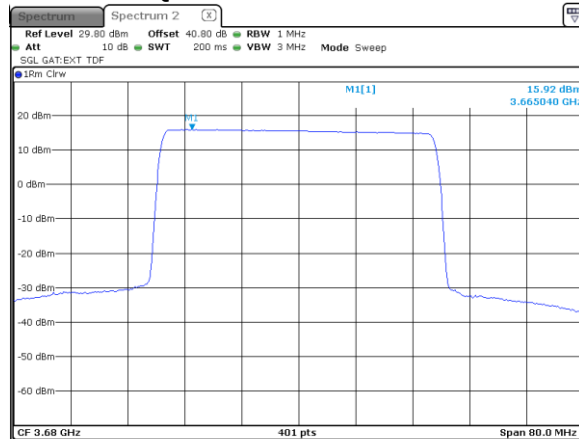
Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 30-Aug-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.34 Peak spectral power density at high frequency

CHANNEL SPACING:

ANTENNA CHAIN:

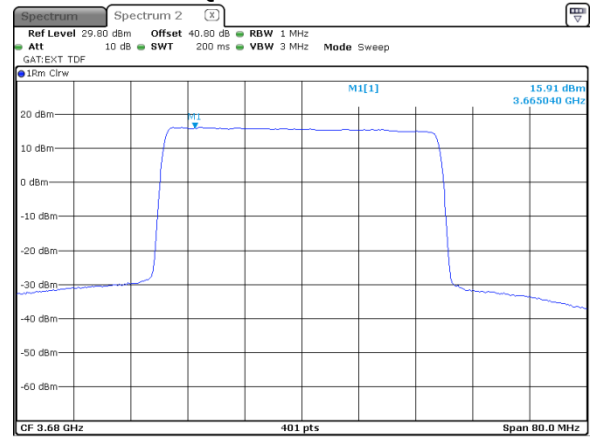
Modulation: QPSK



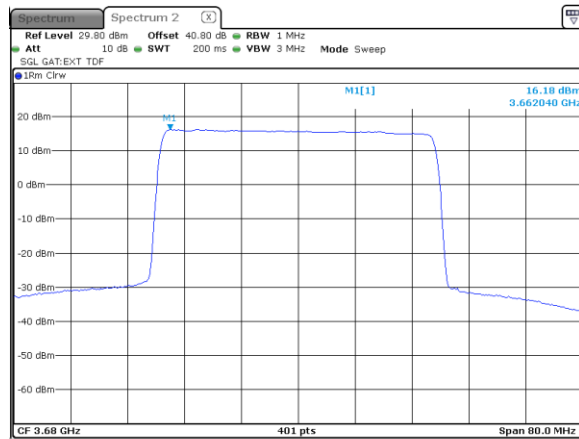
40 MHz

2

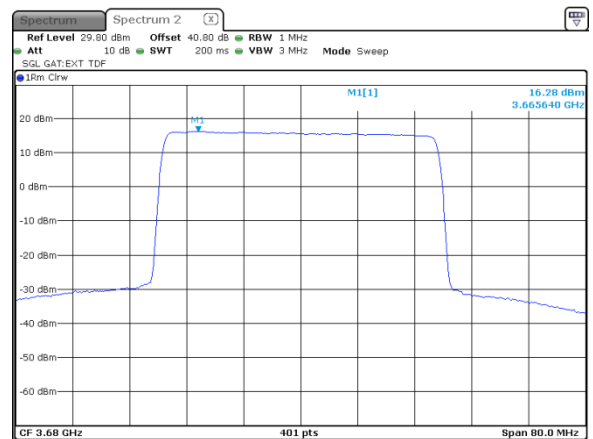
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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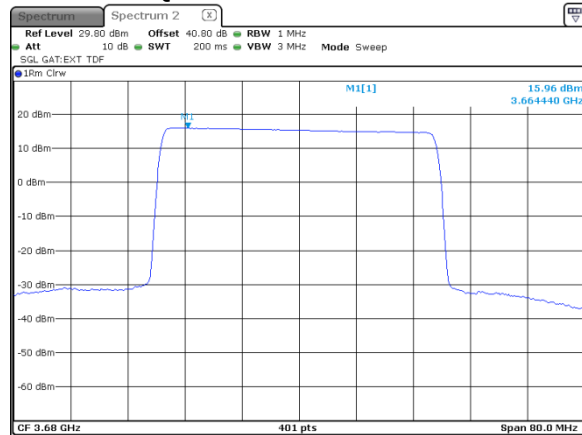
Test specification:		Section 96.41(b), Maximum EIRP and maximum power spectral density	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
25-Jul-21 – 30-Aug-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.35 Peak spectral power density at high frequency

CHANNEL SPACING:

ANTENNA CHAIN:

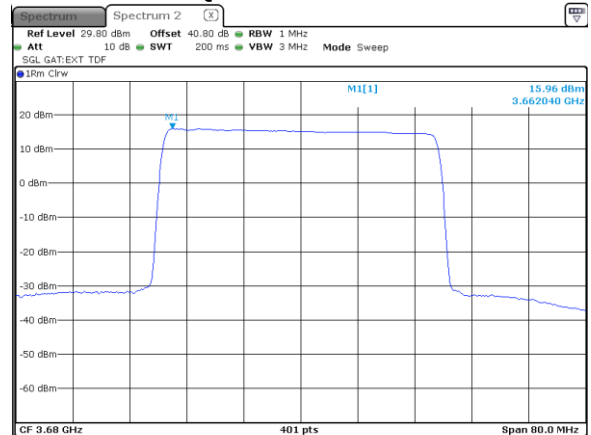
Modulation: QPSK



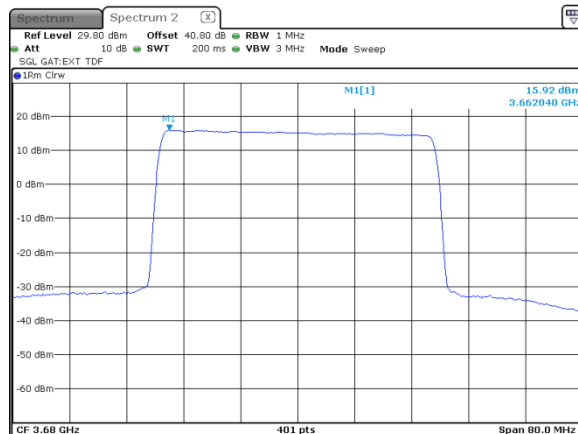
40 MHz

3

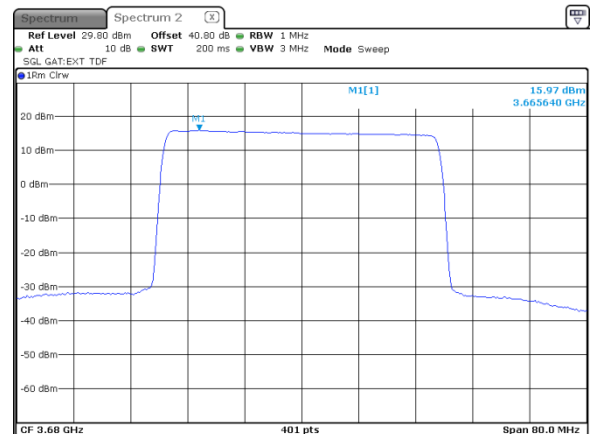
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM



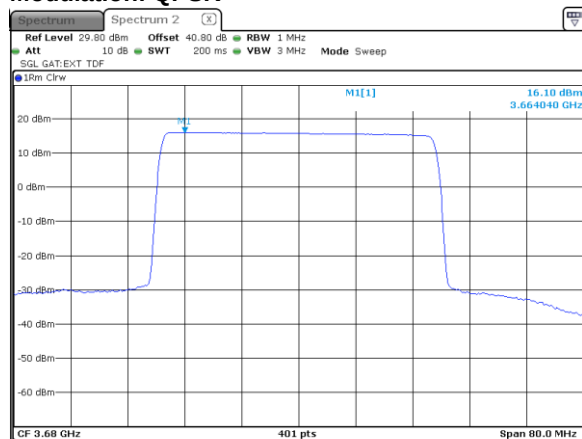


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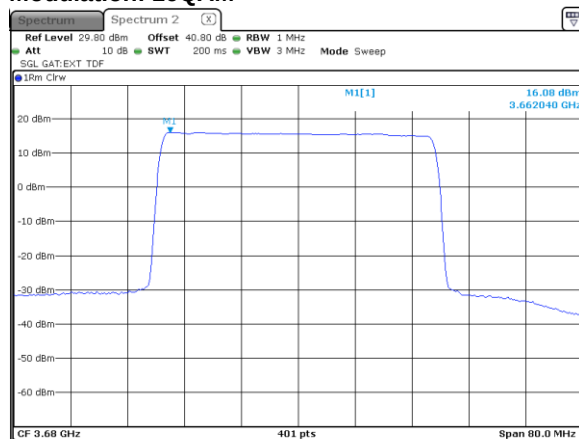
Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 30-Aug-21			
Temperature: 24 °C	Relative Humidity: 55 %	Air Pressure: 1011 hPa	Power: 48 VAC
Remarks:			

Plot 7.1.36 Peak spectral power density at high frequency

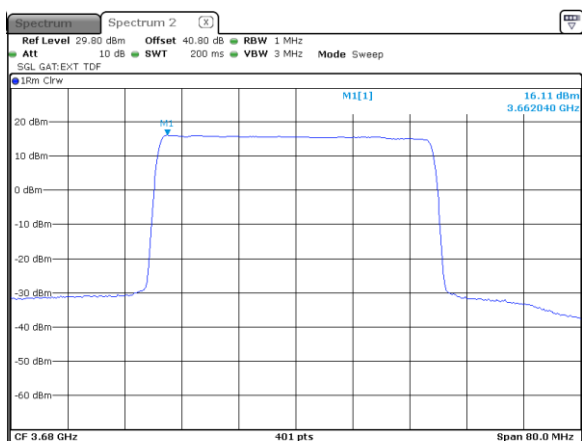
CHANNEL SPACING:
ANTENNA CHAIN:
Modulation: QPSK



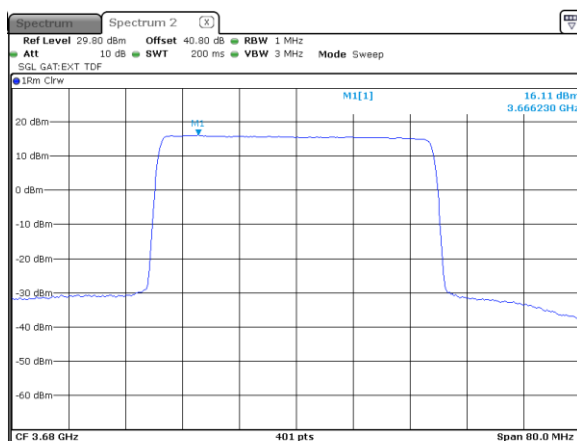
40 MHz
4
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





Test specification: Section 96.41(g), Peak-to- average power ratio			
Test procedure: Section 96.41(g)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 30-Aug-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

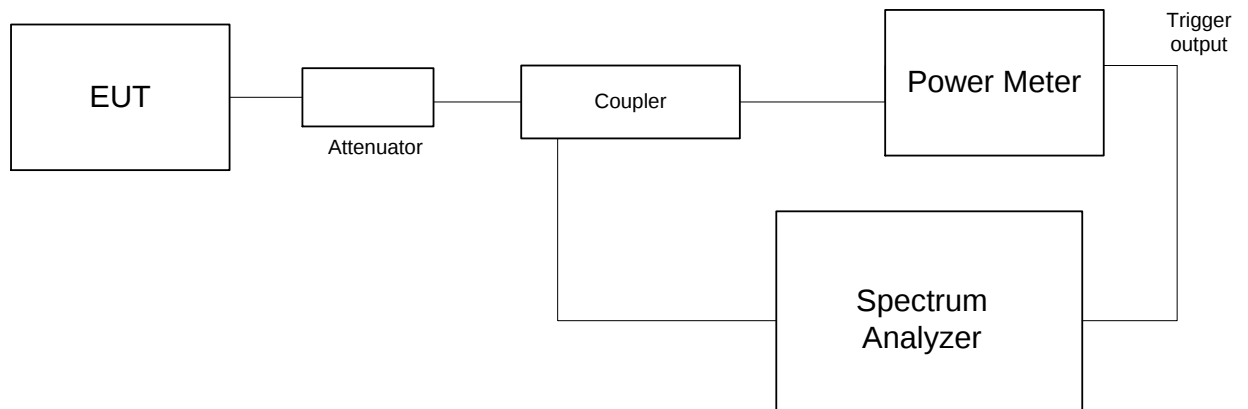
7.2.2 Test procedure

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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Test procedure:		Section 96.41(g)	
Test mode:		Verdict: PASS	
Date(s):			
25-Jul-21 – 30-Aug-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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Test procedure:		Section 96.41(g)	
Test mode:		Verdict: PASS	
Date(s):			
25-Jul-21 – 30-Aug-21			
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VAC
Remarks:			

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 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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Test procedure:		Section 96.41(g)	
Test mode:		Verdict: PASS	
Compliance			
Date(s):		25-Jul-21 – 30-Aug-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:

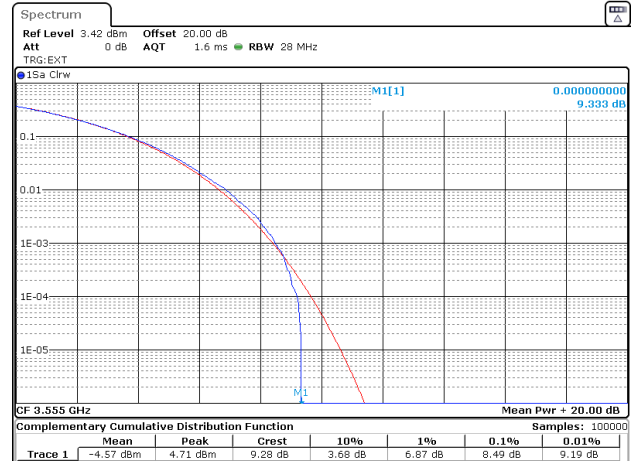
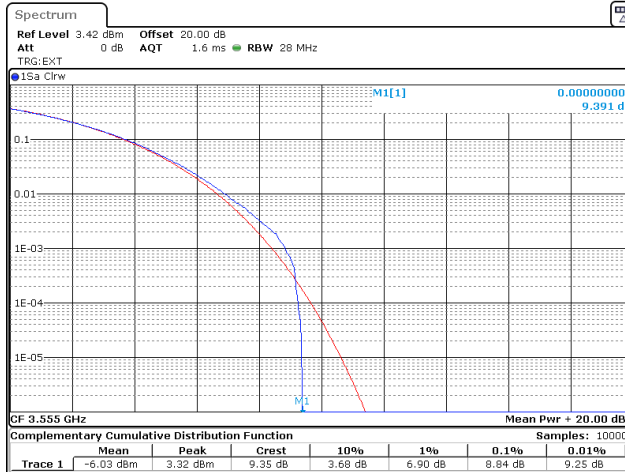
ANTENNA PORT:

Modulation: QPSK

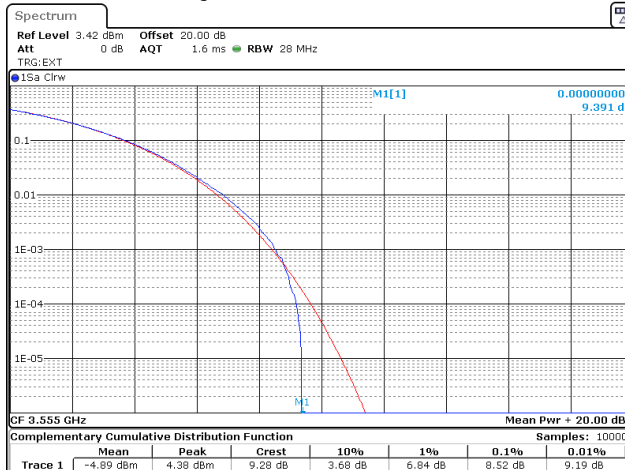
10 MHz

1

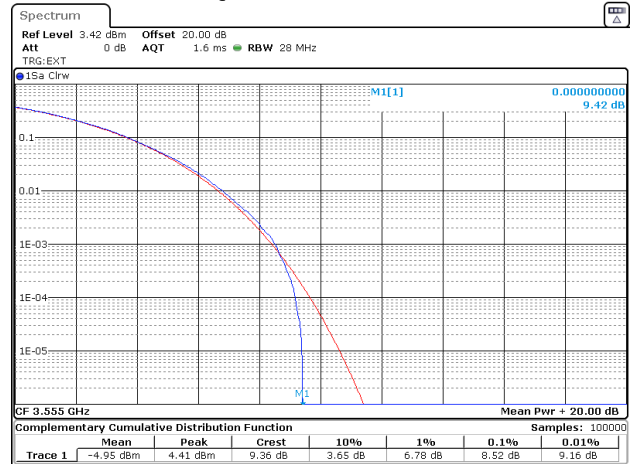
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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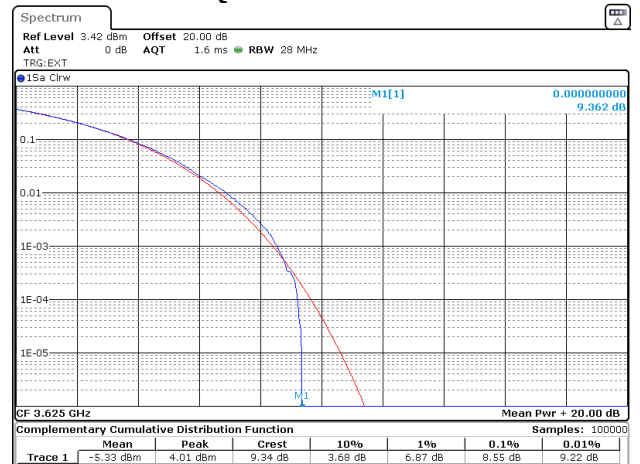
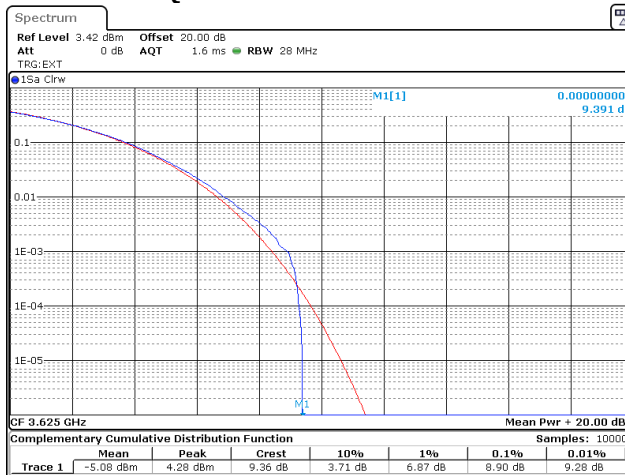
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Test specification:		Section 96.41(g), Peak-to- average power ratio	
Test procedure:		Section 96.41(g)	
Test mode:		Verdict: PASS	
Date(s):			
25-Jul-21 – 30-Aug-21			
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VAC
Remarks:			

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

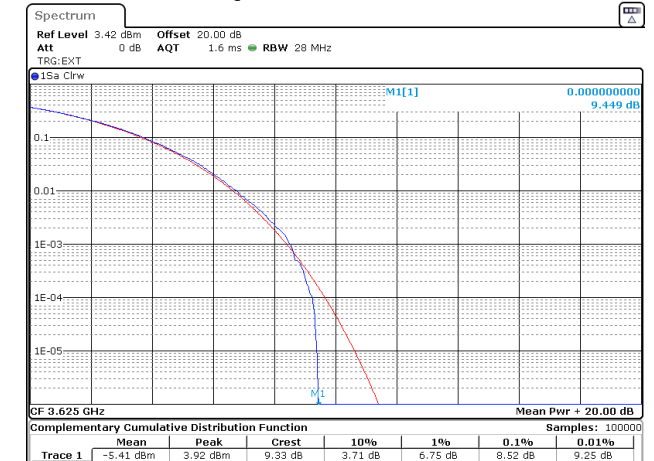
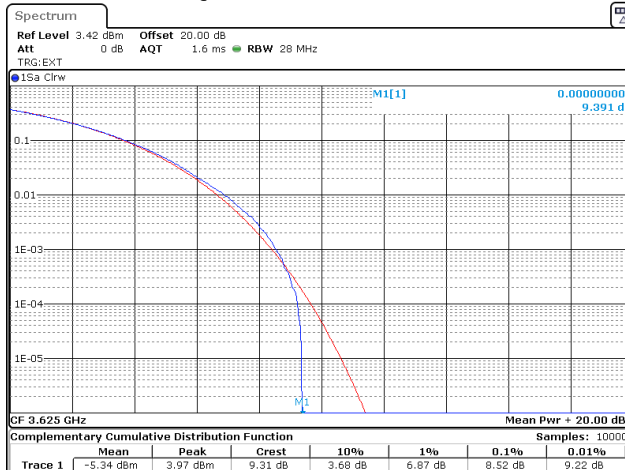
CHANNEL SPACING:
ANTENNA PORT:
Modulation: QPSK

10 MHz
1
Modulation: 16QAM



Modulation: 64QAM

Modulation: 256QAM





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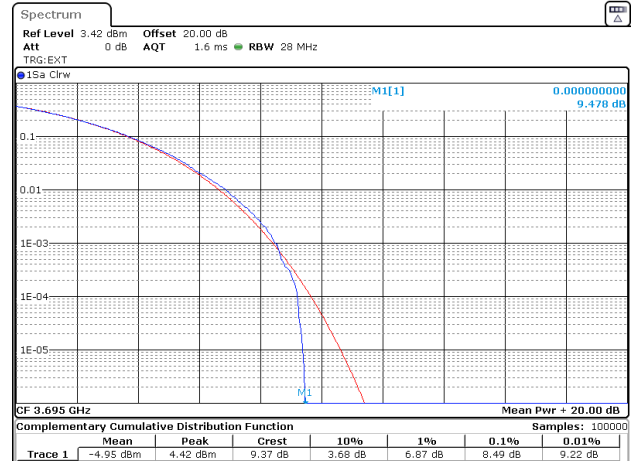
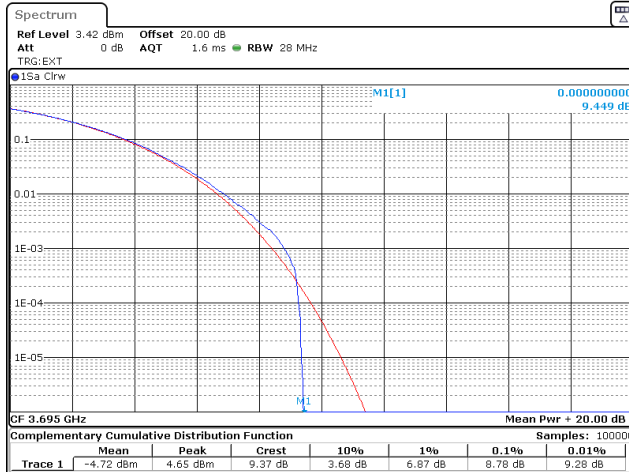
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Test specification:		Section 96.41(g), Peak-to- average power ratio	
Test procedure:		Section 96.41(g)	
Test mode:		Verdict: PASS	
Date(s):			
25-Jul-21 – 30-Aug-21			
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VAC
Remarks:			

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

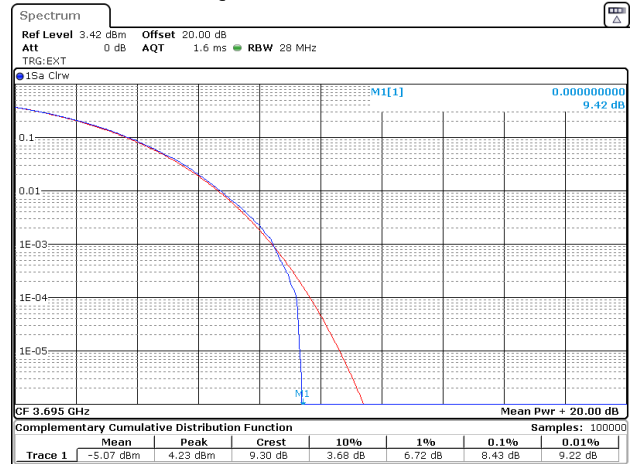
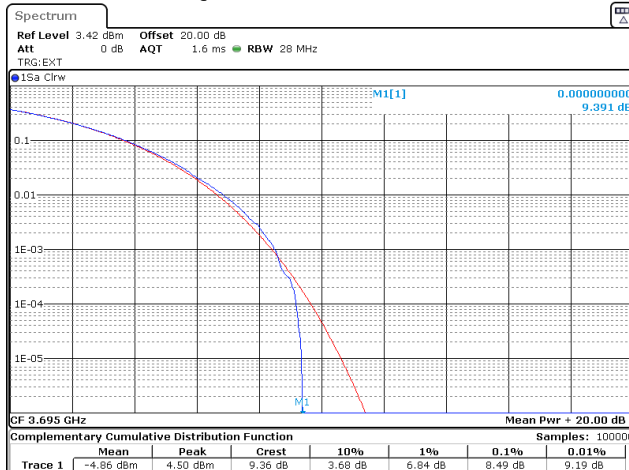
CHANNEL SPACING:
ANTENNA PORT:
Modulation: QPSK

10 MHz
1
Modulation: 16QAM



Modulation: 64QAM

Modulation: 256QAM





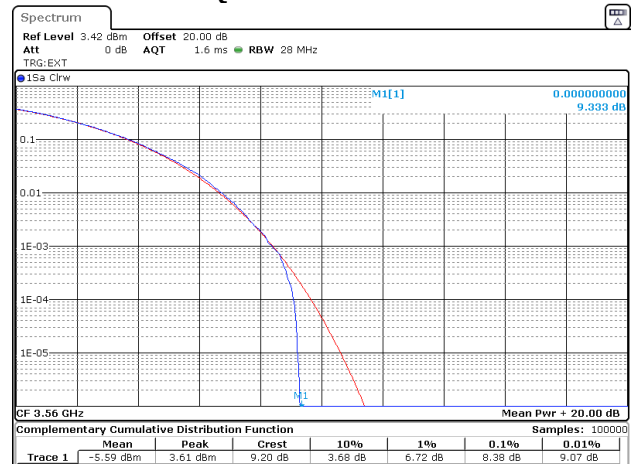
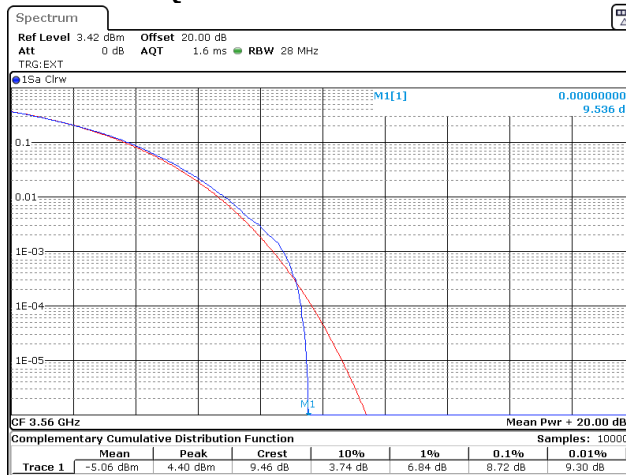
HERMON LABORATORIES

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 – 30-Aug-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

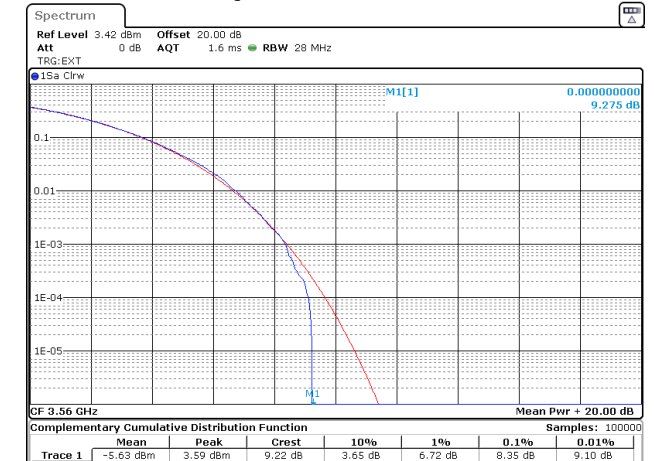
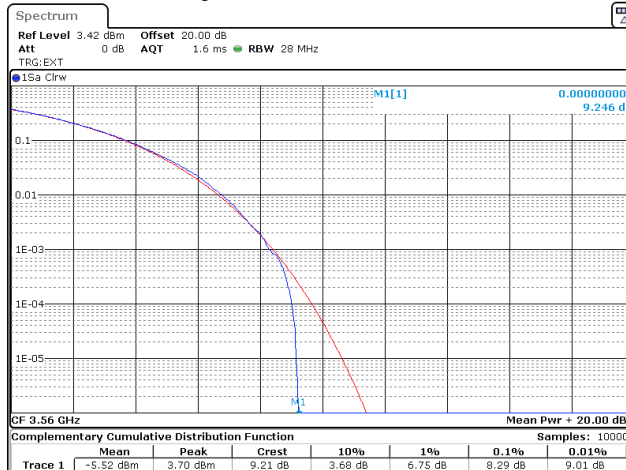
CHANNEL SPACING:
ANTENNA PORT:
Modulation: QPSK

20 MHz
1
Modulation: 16QAM



Modulation: 64QAM

Modulation: 256QAM





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Test procedure:		Section 96.41(g)	
Test mode:		Verdict: PASS	
Date(s):			
25-Jul-21 – 30-Aug-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:

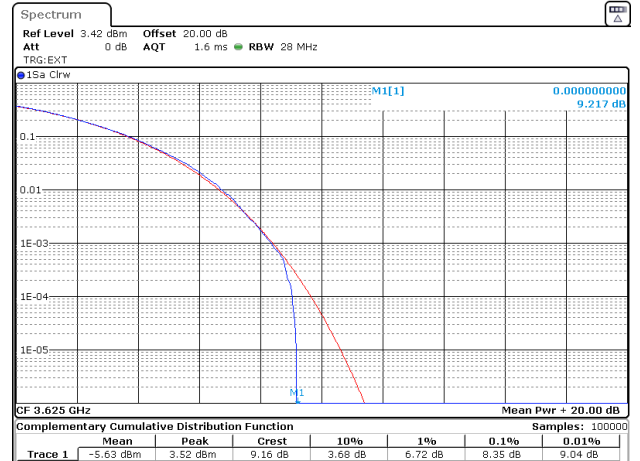
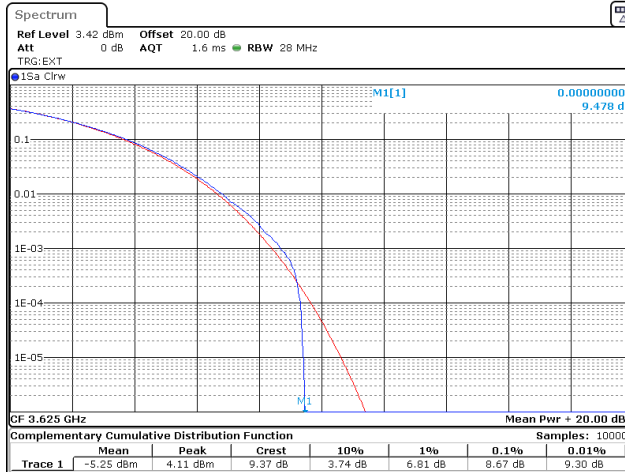
ANTENNA PORT:

Modulation: QPSK

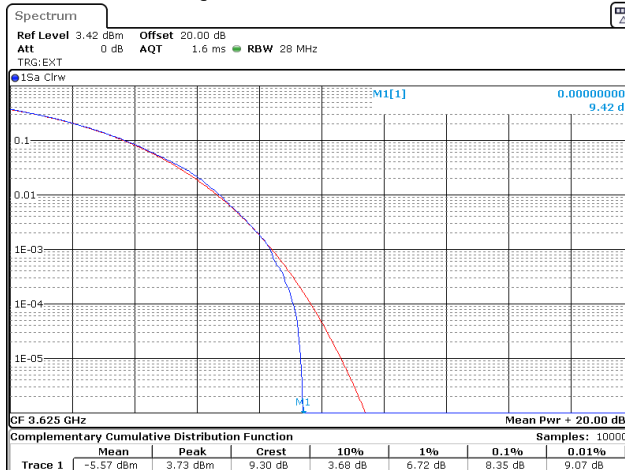
20 MHz

1

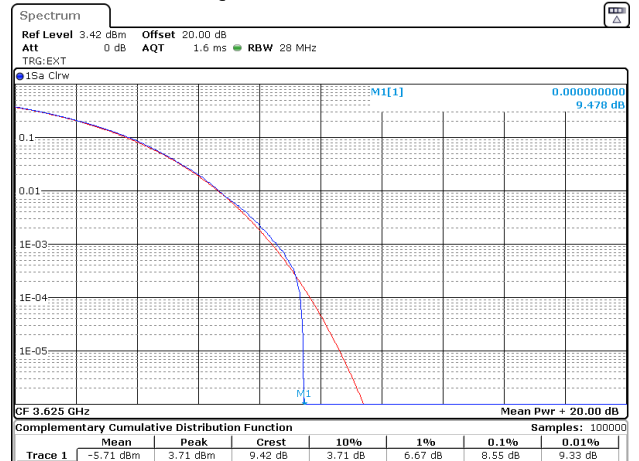
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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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 – 30-Aug-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:

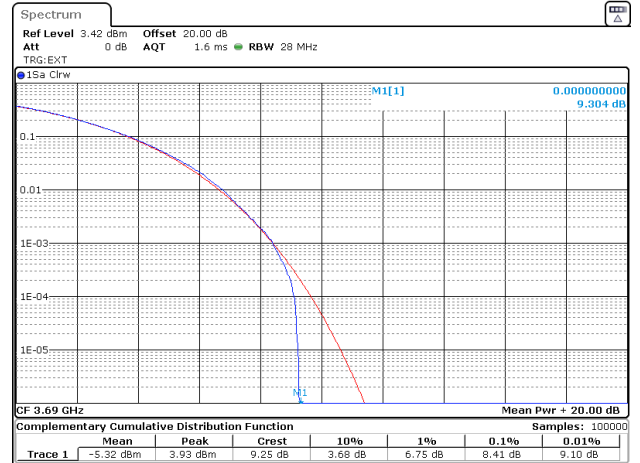
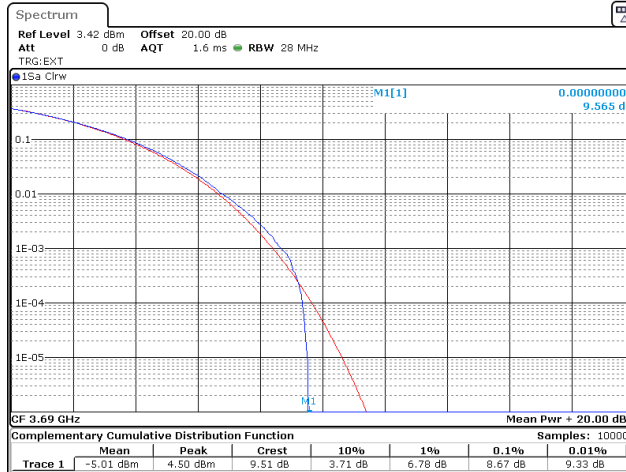
ANTENNA PORT:

Modulation: QPSK

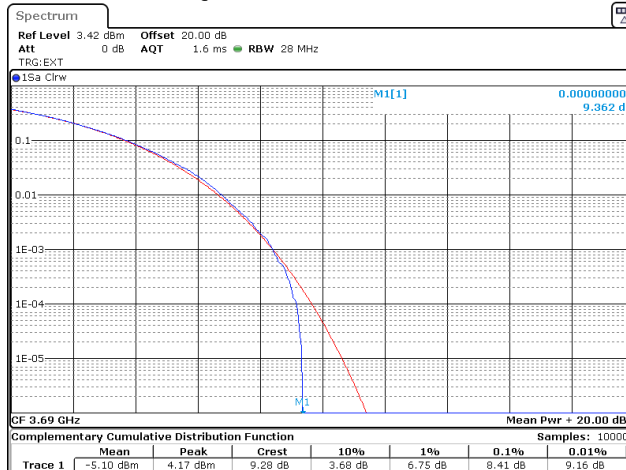
20 MHz

1

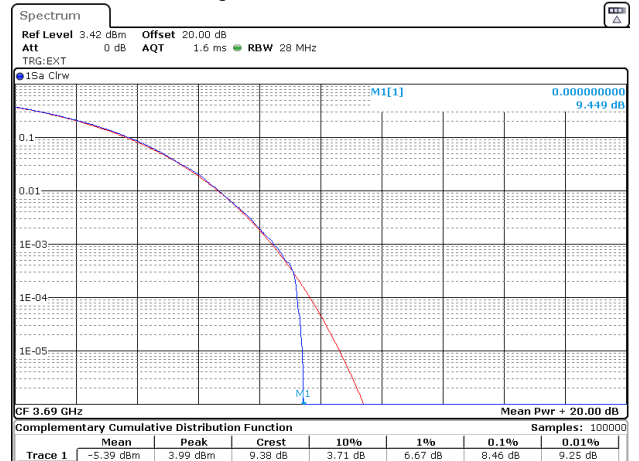
Modulation: 16QAM



Modulation: 64QAM



Modulation: 256QAM





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Report ID: AIRRAD_FCC.42554_Rev2

Date of Issue: 25-Oct-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 – 30-Aug-21			
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VAC
Remarks:			

Plot 7.2.7 Peak-to-average power ratio test results at low frequency

CHANNEL SPACING:

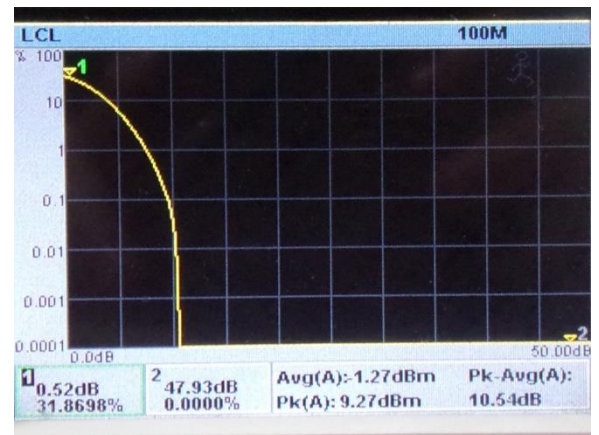
40 MHz

ANTENNA PORT:

1

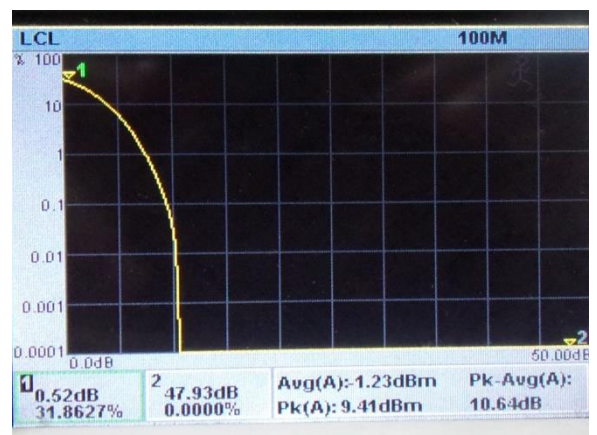
Modulation: QPSK

LCL		
A		
10%	4.19dB	
1%	7.59dB	
0.1%	9.54dB	
0.01%	10.25dB	
0.001%	10.40dB	
0.0001%	10.48dB	



Modulation: 16QAM

LCL		
A		
10%	4.23dB	
1%	7.55dB	
0.1%	9.38dB	
0.01%	10.23dB	
0.001%	10.38dB	
0.0001%	10.47dB	





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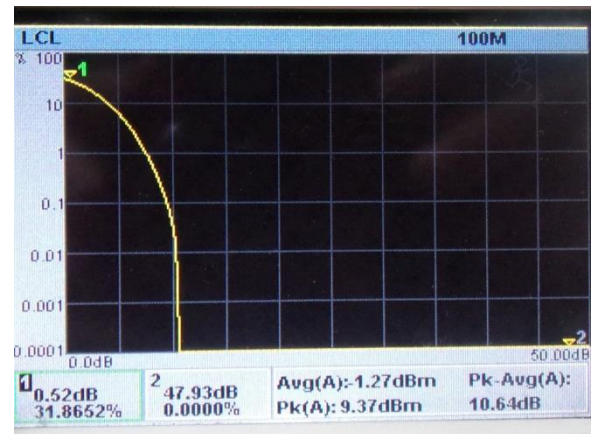
Report ID: AIRRAD_FCC.42554_Rev2

Date of Issue: 25-Oct-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 – 30-Aug-21			
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VAC
Remarks:			

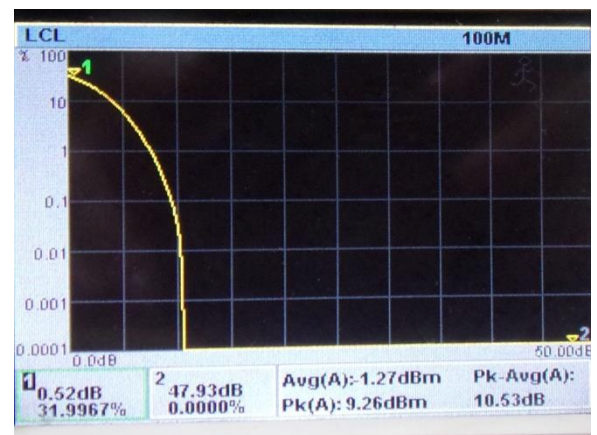
Modulation: 64QAM

LCL		
A		
10%	4.19dB	✍
1%	7.59dB	
0.1%	9.54dB	
0.01%	10.25dB	
0.001%	10.40dB	
0.0001%	10.48dB	



Modulation: 256QAM

LCL		
A		
10%	4.22dB	✍
1%	7.57dB	
0.1%	9.37dB	
0.01%	10.24dB	
0.001%	10.44dB	
0.0001%	10.48dB	





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Date of Issue: 25-Oct-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 – 30-Aug-21			
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VAC
Remarks:			

Plot 7.2.8 Peak-to-average power ratio test results at mid frequency

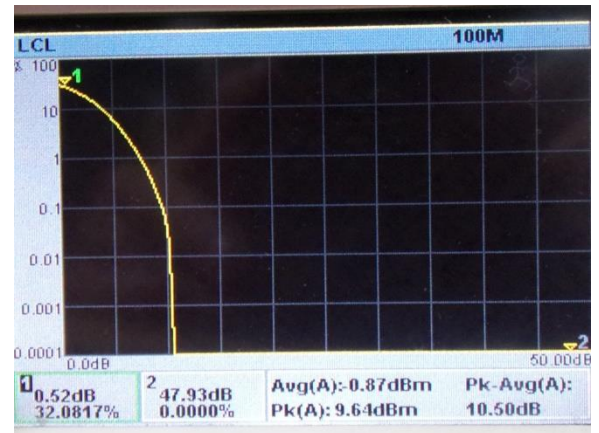
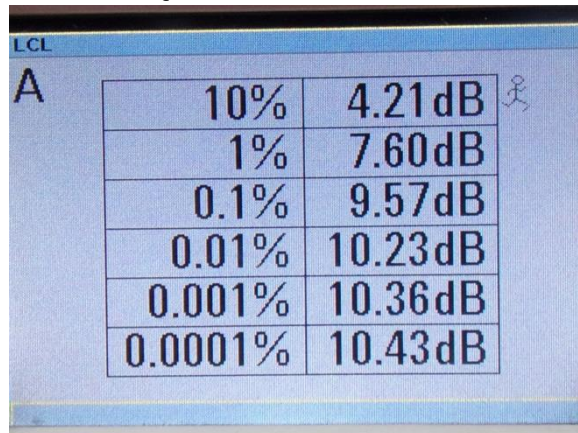
CHANNEL SPACING:

40 MHz

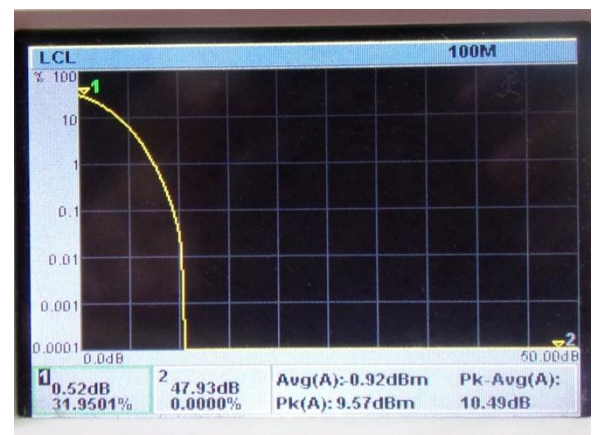
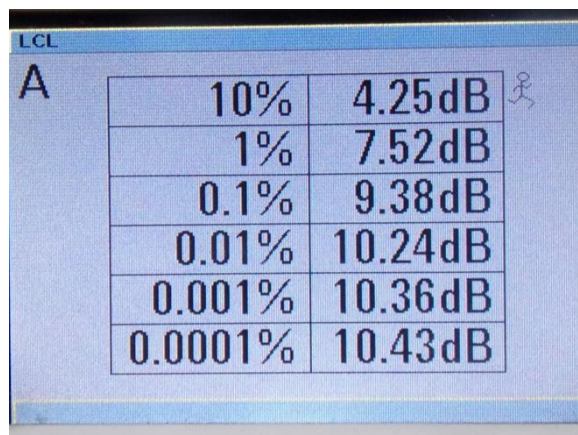
ANTENNA PORT:

1

Modulation: QPSK



Modulation: 16QAM





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Date of Issue: 25-Oct-21

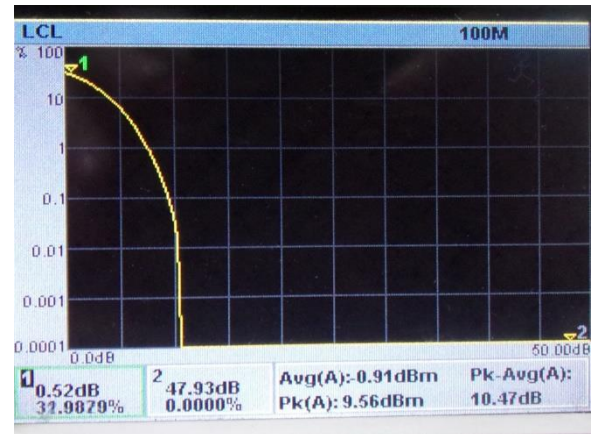
Test specification: Section 96.41(g), Peak-to- average power ratio			
Test procedure: Section 96.41(g)			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 30-Aug-21			
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VAC
Remarks:			

Modulation: 64QAM

LCL

A

10%	4.25dB
1%	7.53dB
0.1%	9.36dB
0.01%	10.22dB
0.001%	10.37dB
0.0001%	10.41dB

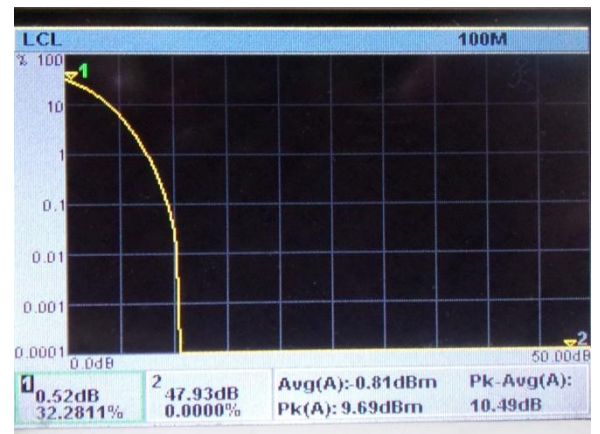


Modulation: 256QAM

LCL

A

10%	4.22dB
1%	7.54dB
0.1%	9.37dB
0.01%	10.20dB
0.001%	10.34dB
0.0001%	10.43dB





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Report ID: AIRRAD_FCC.42554_Rev2

Date of Issue: 25-Oct-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 – 30-Aug-21			
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VAC
Remarks:			

Plot 7.2.9 Peak-to-average power ratio test results at high frequency

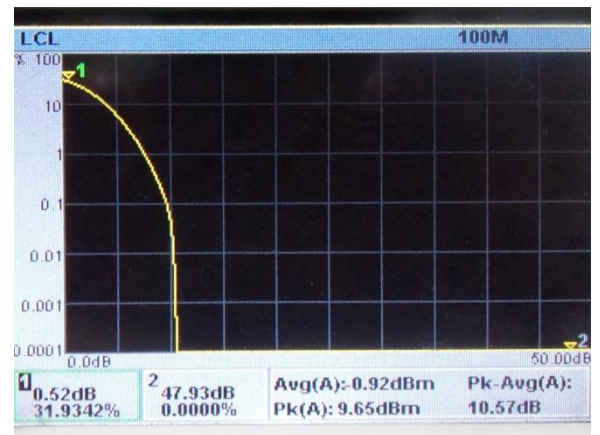
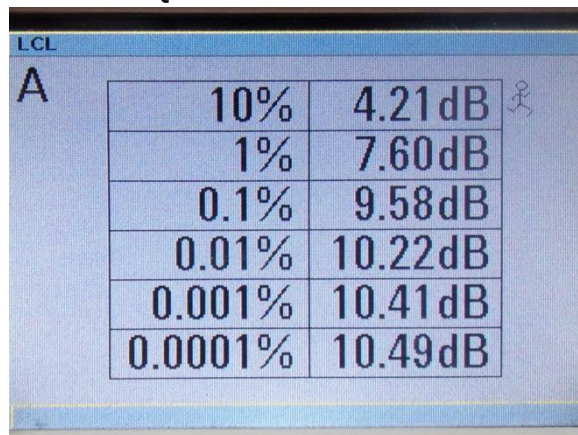
CHANNEL SPACING:

40 MHz

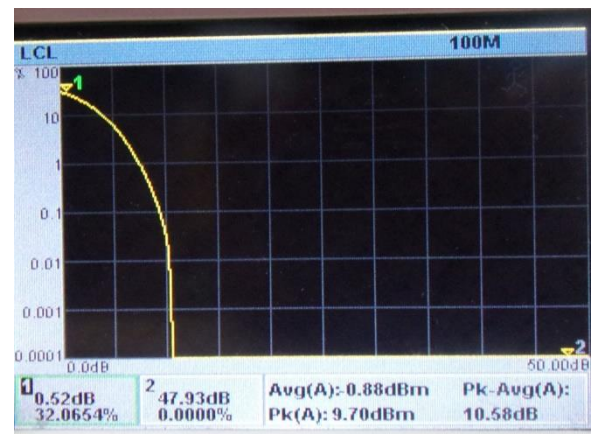
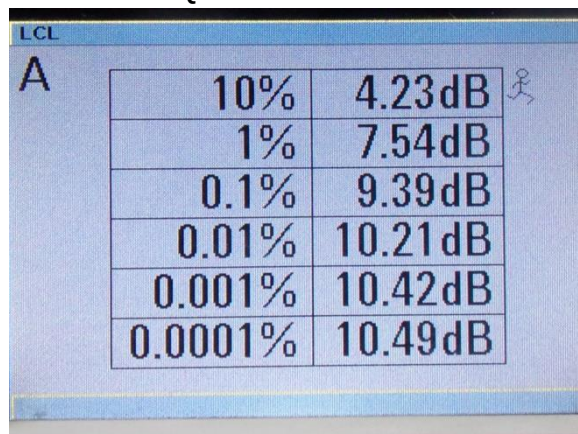
ANTENNA PORT:

1

Modulation: QPSK



Modulation: 16QAM





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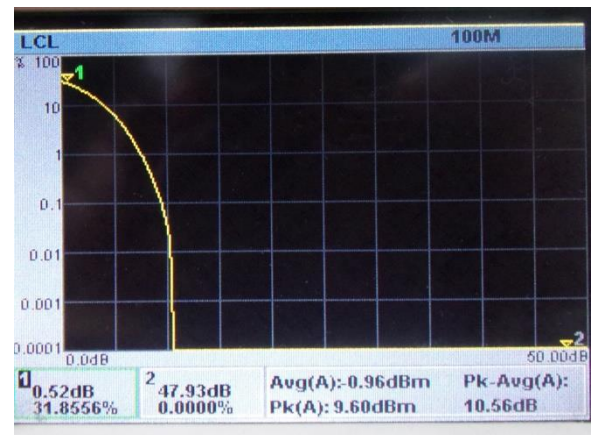
Report ID: AIRRAD_FCC.42554_Rev2

Date of Issue: 25-Oct-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 – 30-Aug-21			
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VAC
Remarks:			

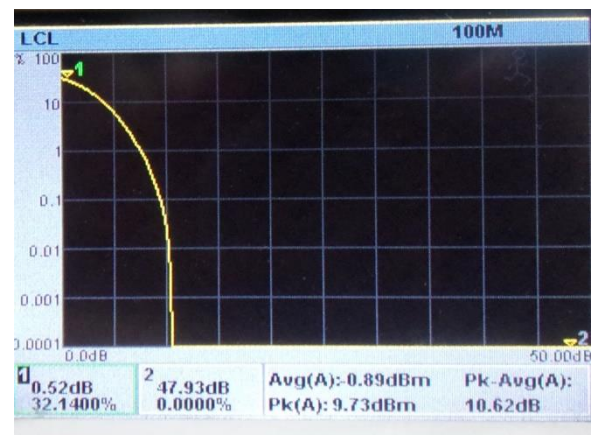
Modulation: 64QAM

LCL		
A		
10%	4.22dB	✍
1%	7.50dB	
0.1%	9.39dB	
0.01%	10.24dB	
0.001%	10.45dB	
0.0001%	10.50dB	



Modulation: 256QAM

LCL		
A		
10%	4.24dB	✍
1%	7.56dB	
0.1%	9.37dB	
0.01%	10.17dB	
0.001%	10.40dB	
0.0001%	10.51dB	





Test specification: Section2.1049, Occupied bandwidth			
Test procedure: 47 CFR, Section 2.1049			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 30-Aug-21			
Temperature: 24 °C	Relative Humidity: 52 %	Air Pressure: 1012 hPa	Power: 48 VAC
Remarks:			

7.3 Occupied bandwidth test

7.3.1 General

This test was performed to measure transmitter occupied bandwidth. Specification test limits are given in Table 7.3.1.

Table 7.3.1 Occupied bandwidth limits

Assigned frequency, MHz	Modulation envelope reference points*, %	Maximum allowed bandwidth, MHz
3550 - 3700	99	10 / 20 / 40 MHz

* - Modulation envelope reference points are provided in terms of attenuation below the unmodulated carrier.

7.3.2 Test procedure

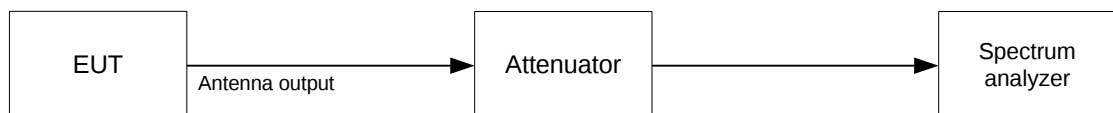
7.3.2.1 The EUT was set up as shown in Figure 7.3.1, energized and its proper operation was checked.

7.3.2.2 The EUT was set to transmit the unmodulated carrier and the reference peak power level was measured.

7.3.2.3 The EUT was set to transmit the normally modulated carrier.

7.3.2.4 The transmitter occupied bandwidth was measured with spectrum analyzer as a frequency delta between the reference points on modulation envelope and provided in Table 7.3.2 and the associated plots.

Figure 7.3.1 Occupied bandwidth test setup





Test specification: Section2.1049, Occupied bandwidth			
Test procedure: 47 CFR, Section 2.1049			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 30-Aug-21			
Temperature: 24 °C	Relative Humidity: 52 %	Air Pressure: 1012 hPa	Power: 48 VAC
Remarks:			

Table 7.3.2 Occupied bandwidth test results

DETECTOR USED: Peak hold
 RESOLUTION BANDWIDTH: 1 – 5% of the OBW
 VIDEO BANDWIDTH: > RBW
 MODULATION ENVELOPE REFERENCE POINTS: 99%

Carrier frequency, MHz	Occupied bandwidth, MHz	Limit, MHz	Margin, MHz	Verdict
Channel spacing 10 MHz				
Modulation QPSK				
3555.0	8.6814	10.0	-1.3186	Pass
3625.0	8.6914	10.0	-1.3086	Pass
3695.0	8.6714	10.0	-1.3286	Pass
Modulation 16QAM				
3555.0	8.6914	10.0	-1.3086	Pass
3625.0	8.6739	10.0	-1.3261	Pass
3695.0	8.6739	10.0	-1.3261	Pass
Modulation 64QAM				
3555.0	8.6764	10.0	-1.3236	Pass
3625.0	8.6764	10.0	-1.3236	Pass
3680.0	8.6664	10.0	-1.3336	Pass
Modulation 256QAM				
3555.0	8.6364	10.0	-1.3636	Pass
3625.0	8.6289	10.0	-1.3711	Pass
3695.0	8.6289	10.0	-1.3711	Pass



Test specification: Section2.1049, Occupied bandwidth			
Test procedure: 47 CFR, Section 2.1049			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 30-Aug-21			
Temperature: 24 °C	Relative Humidity: 52 %	Air Pressure: 1012 hPa	Power: 48 VAC
Remarks:			

Channel spacing 20 MHz				
Modulation QPSK				
3560.0	18.1927	20.0	-1.8073	Pass
3625.0	18.2027	20.0	-1.7973	Pass
3690.0	18.1927	20.0	-1.8073	Pass
Modulation 16QAM				
3560.0	18.1927	20.0	-1.8073	Pass
3625.0	18.2027	20.0	-1.7973	Pass
3690.0	18.1927	20.0	-1.8073	Pass
Modulation 64QAM				
3560.0	18.2377	20.0	-1.7623	Pass
3625.0	18.2627	20.0	-1.7373	Pass
3690.0	18.2627	20.0	-1.7373	Pass
Modulation 256QAM				
3560.0	18.1727	20.0	-1.8273	Pass
3625.0	18.1772	20.0	-1.8228	Pass
3690.0	18.2027	20.0	-1.7973	Pass
Channel spacing 40 MHz				
Modulation QPSK				
3570.0	37.7453	40.0	-2.2547	Pass
3625.0	37.7853	40.0	-2.2147	Pass
3680.0	37.7653	40.0	-2.2347	Pass
Modulation 16QAM				
3570.0	37.7353	40.0	-2.2647	Pass
3625.0	37.7953	40.0	-2.2047	Pass
3680.0	37.7753	40.0	-2.2247	Pass
Modulation 64QAM				
3570.0	37.7453	40.0	-2.2547	Pass
3625.0	37.8053	40.0	-2.1947	Pass
3680.0	37.7753	40.0	-2.2247	Pass
Modulation 256QAM				
3570.0	37.7453	40.0	-2.2547	Pass
3625.0	37.8053	40.0	-2.1947	Pass
3680.0	37.7653	40.0	-2.2347	Pass

Reference numbers of test equipment used

HL 4355	HL 3901	HL 5608				
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Full description is given in Appendix A.



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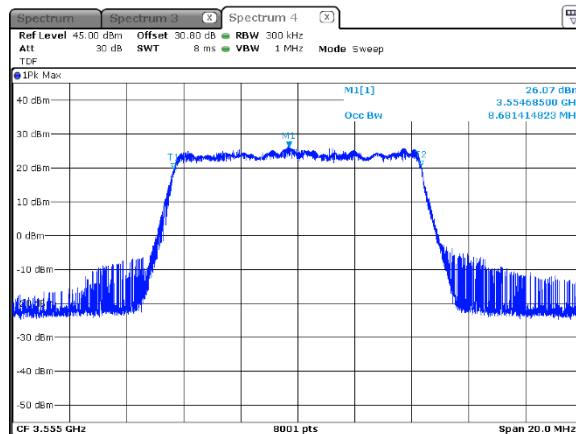
Date of Issue: 25-Oct-21

Test specification: Section2.1049, Occupied bandwidth			
Test procedure: 47 CFR, Section 2.1049			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Jul-21 – 30-Aug-21			
Temperature: 24 °C	Relative Humidity: 52 %	Air Pressure: 1012 hPa	Power: 48 VAC
Remarks:			

Plot 7.3.1 Occupied bandwidth test result at low frequency

MODULATION:
CHANNEL SPACING:
ANTENNA CHAIN:

QPSK
10 MHz
1



Plot 7.3.2 Occupied bandwidth test result at low frequency

MODULATION:
CHANNEL SPACING:
ANTENNA CHAIN:

16QAM
10 MHz
1

