



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

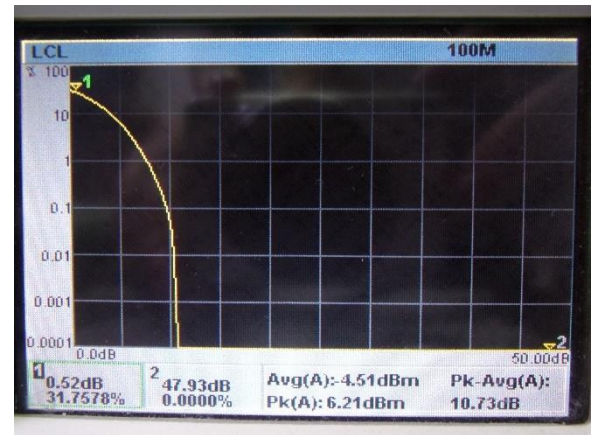
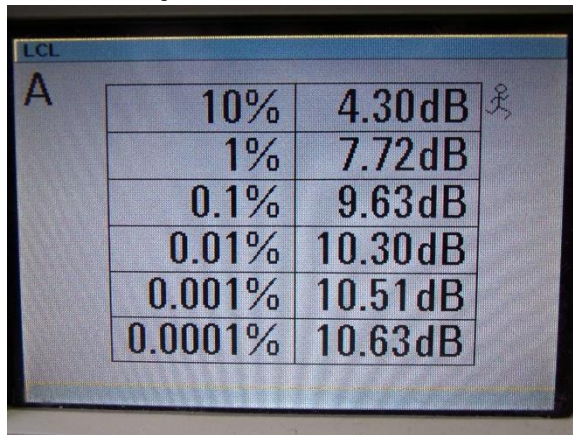
CHANNEL SPACING:

30 MHz

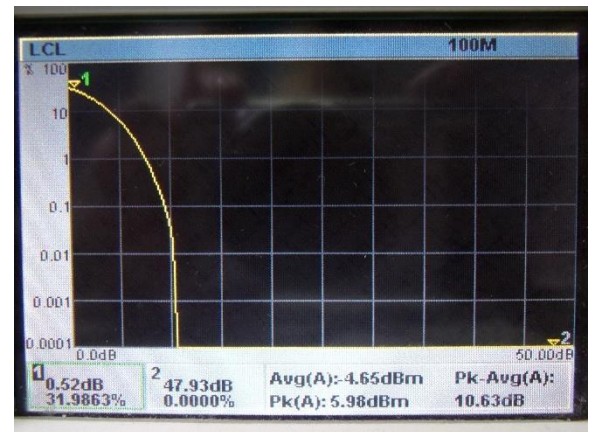
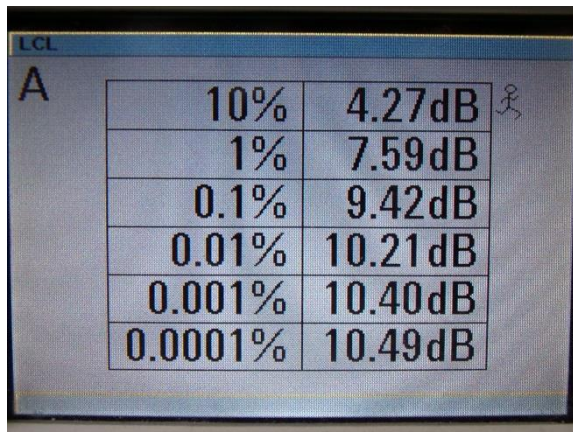
ANTENNA PORT:

1

Modulation: QPSK



Modulation: 16QAM





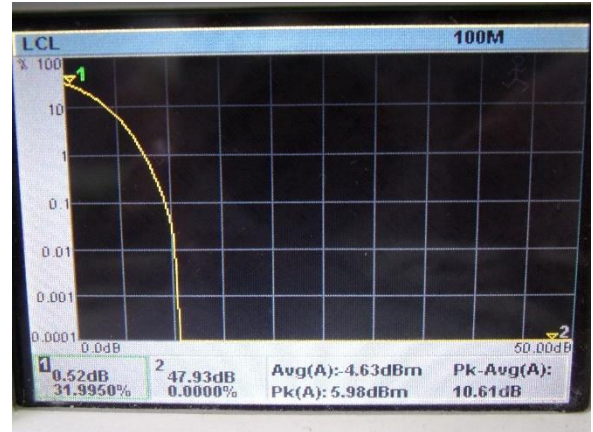
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Date of Issue: 8-Dec-21

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:			

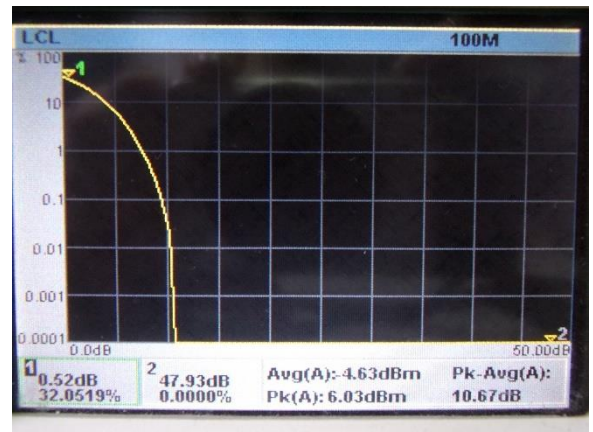
Modulation: 64QAM

LCL		
A		
10%	4.27dB	2
1%	7.59dB	
0.1%	9.42dB	
0.01%	10.21dB	
0.001%	10.40dB	
0.0001%	10.49dB	



Modulation: 256QAM

LCL		
A		
10%	4.25dB	2
1%	7.61dB	
0.1%	9.42dB	
0.01%	10.27dB	
0.001%	10.46dB	
0.0001%	10.57dB	





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

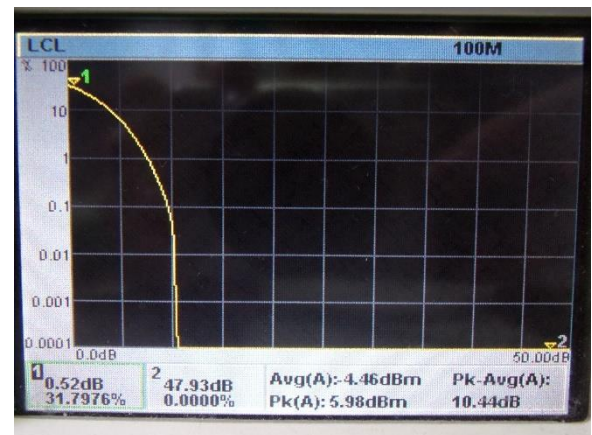
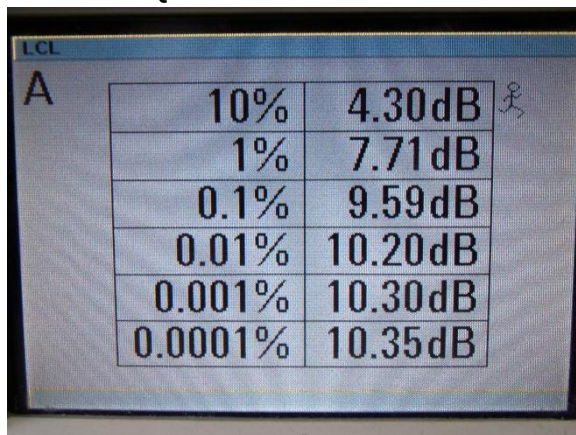
CHANNEL SPACING:

30 MHz

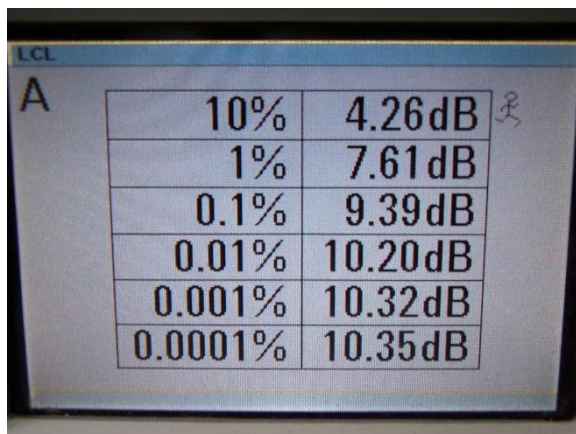
ANTENNA PORT:

1

Modulation: QPSK



Modulation: 16QAM





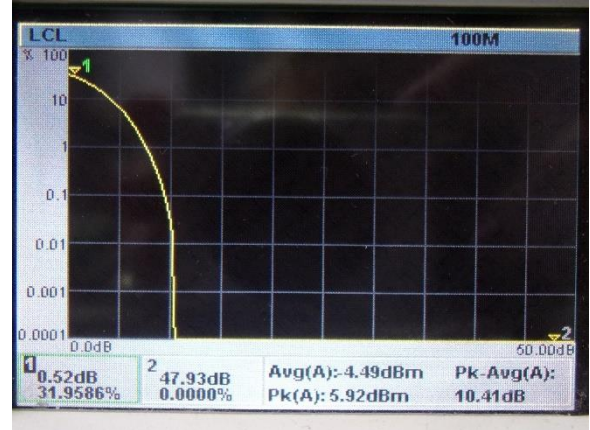
HERMON LABORATORIES

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:			

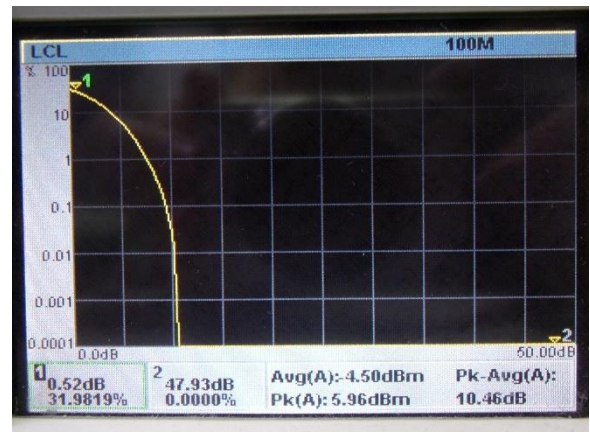
Modulation: 64QAM

LCL		
A		
10%	4.27dB	✍
1%	7.60dB	
0.1%	9.38dB	
0.01%	10.20dB	
0.001%	10.28dB	
0.0001%	10.34dB	



Modulation: 256QAM

LCL		
A		
10%	4.25dB	✍
1%	7.61dB	
0.1%	9.42dB	
0.01%	10.18dB	
0.001%	10.34dB	
0.0001%	10.39dB	





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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 – 24-Nov-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

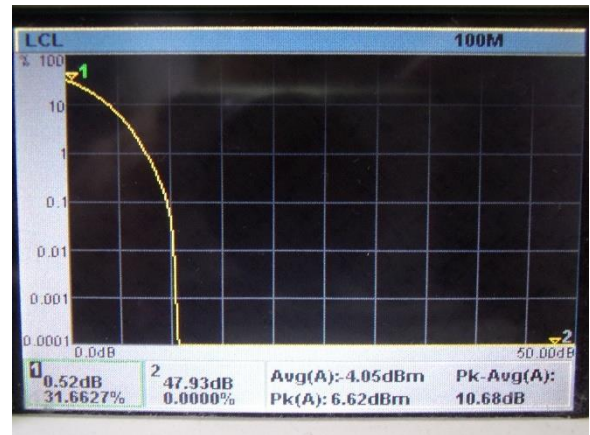
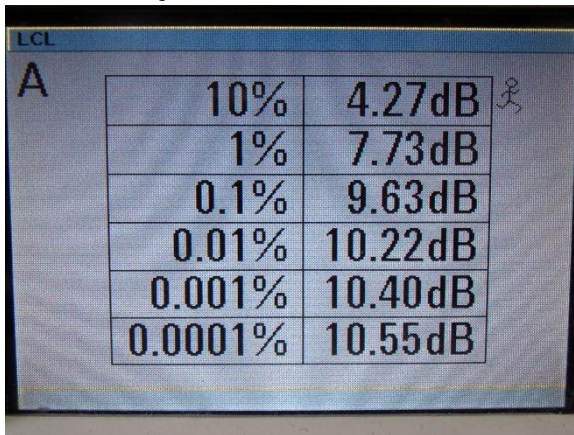
CHANNEL SPACING:

30 MHz

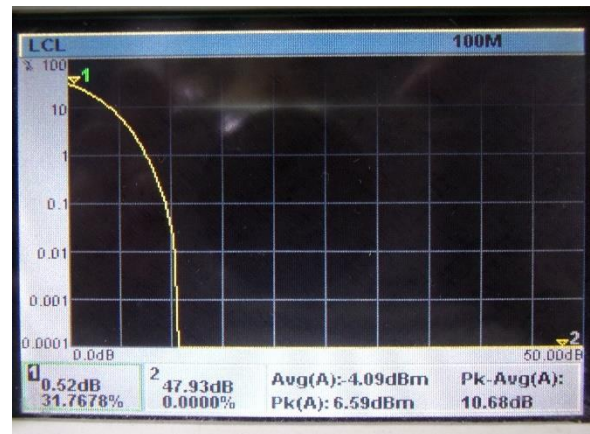
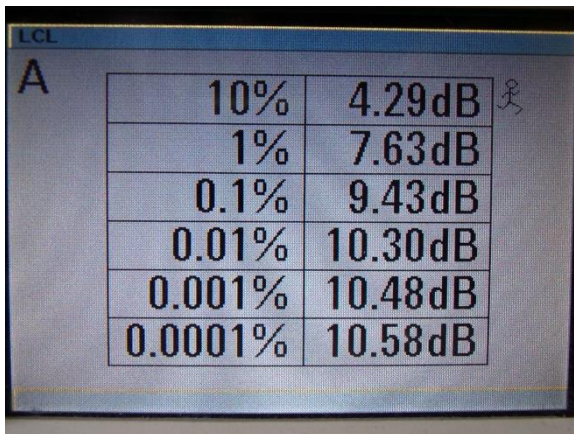
ANTENNA PORT:

1

Modulation: QPSK



Modulation: 16QAM





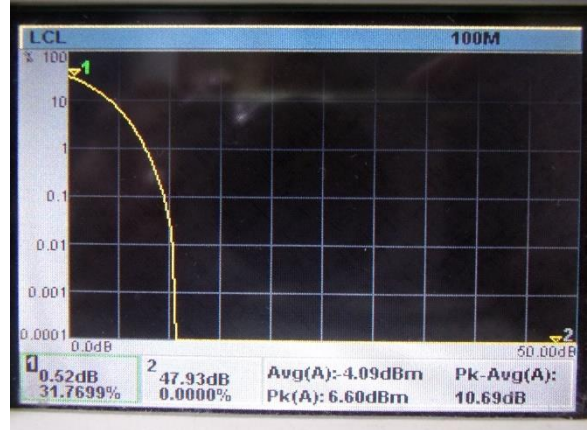
HERMON LABORATORIES

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:			

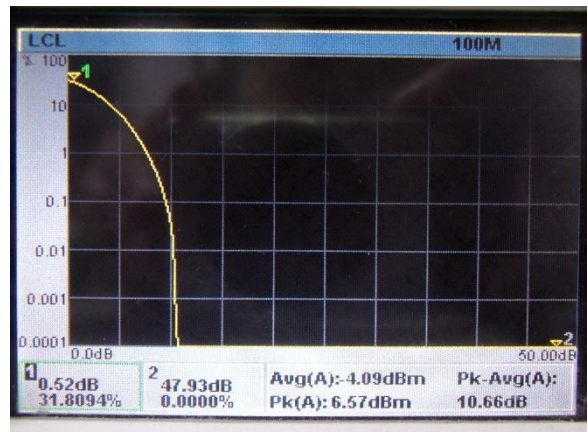
Modulation: 64QAM

LCL		
A		
10%	4.30dB	✍
1%	7.64dB	
0.1%	9.44dB	
0.01%	10.31dB	
0.001%	10.46dB	
0.0001%	10.56dB	



Modulation: 256QAM

LCL		
A		
10%	4.29dB	✍
1%	7.66dB	
0.1%	9.48dB	
0.01%	10.21dB	
0.001%	10.40dB	
0.0001%	10.56dB	





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Date of Issue: 8-Dec-21

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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 7.2.10 Peak-to-average power ratio test results at low frequency

CHANNEL SPACING:

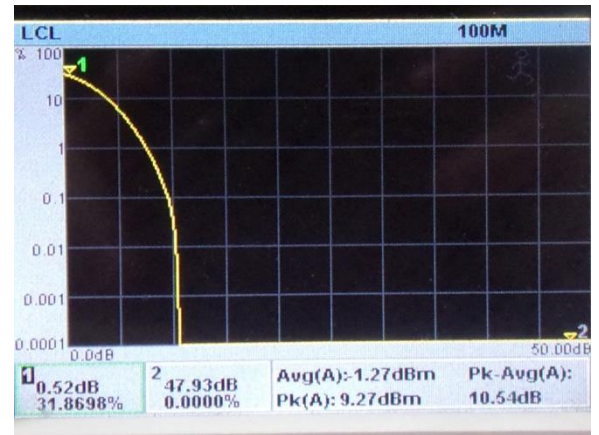
40 MHz

ANTENNA PORT:

1

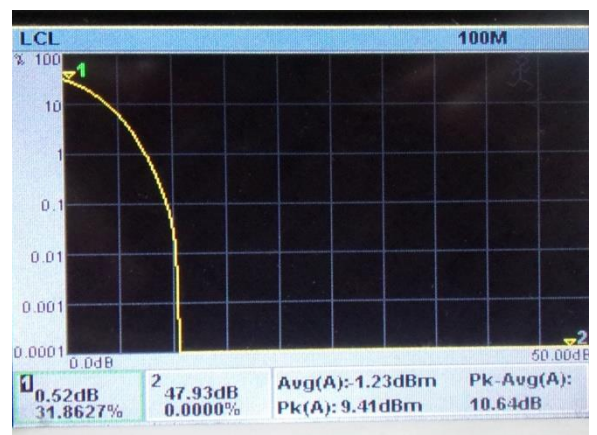
Modulation: QPSK

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



Modulation: 16QAM

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





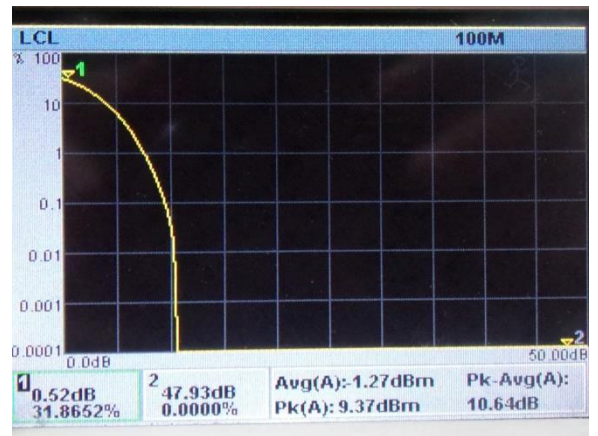
HERMON LABORATORIES

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:			

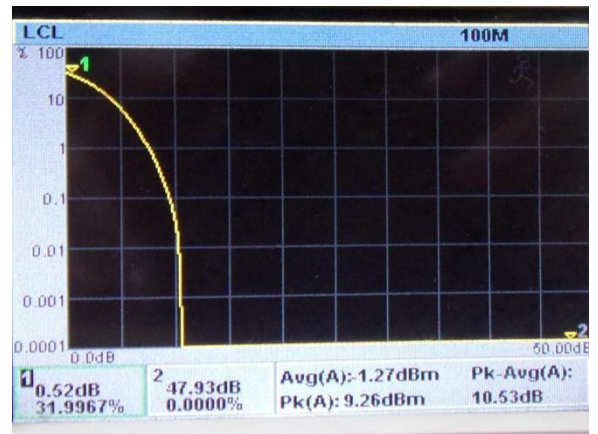
Modulation: 64QAM

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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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 7.2.11 Peak-to-average power ratio test results at mid frequency

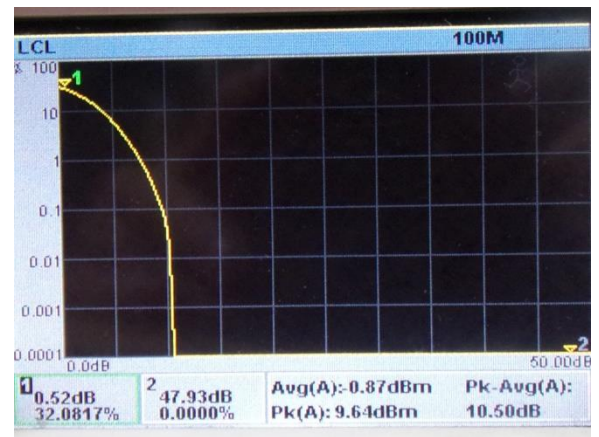
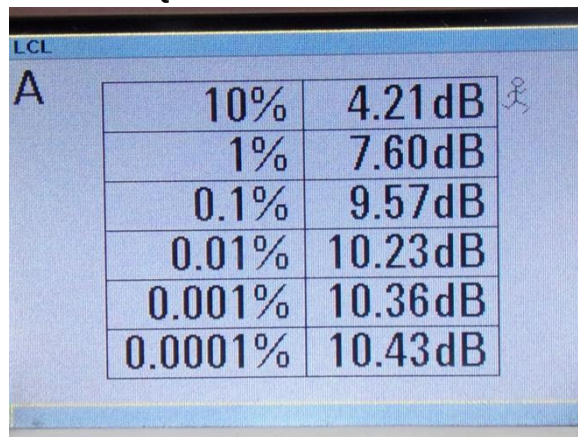
CHANNEL SPACING:

40 MHz

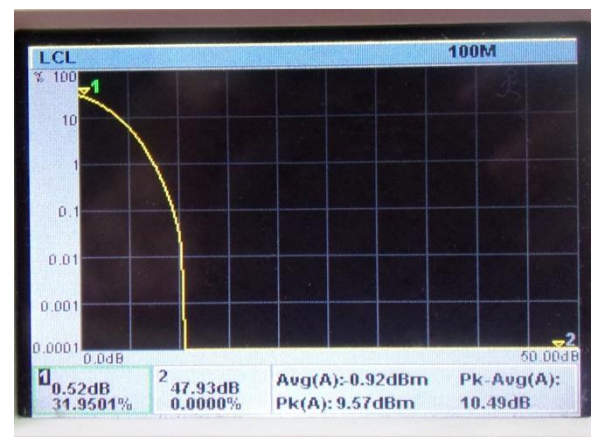
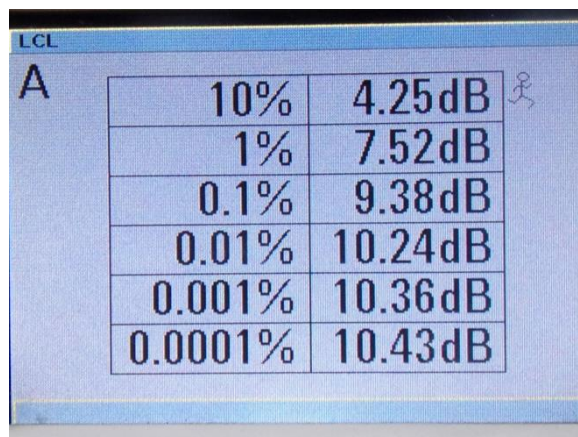
ANTENNA PORT:

1

Modulation: QPSK



Modulation: 16QAM





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Date of Issue: 8-Dec-21

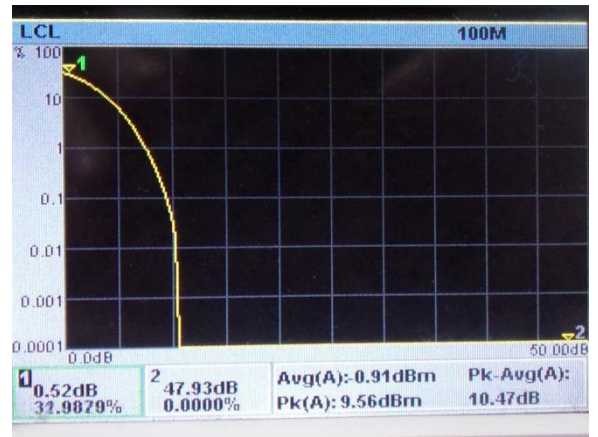
Test specification:		Section 96.41(g), Peak-to- average power ratio	
Test procedure:		Section 96.41(g)	
Test mode:		Verdict: PASS	
Date(s):			
25-Jul-21 – 24-Nov-21			
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VAC
Remarks:			

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

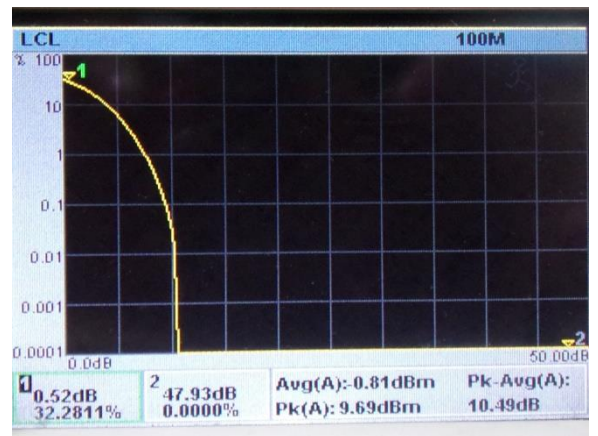


Modulation: 256QAM

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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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 7.2.12 Peak-to-average power ratio test results at high frequency

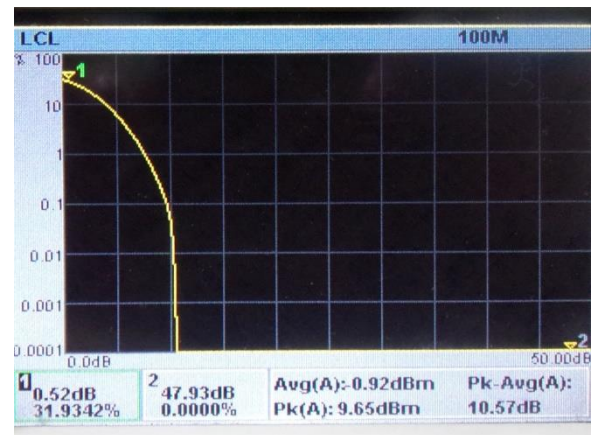
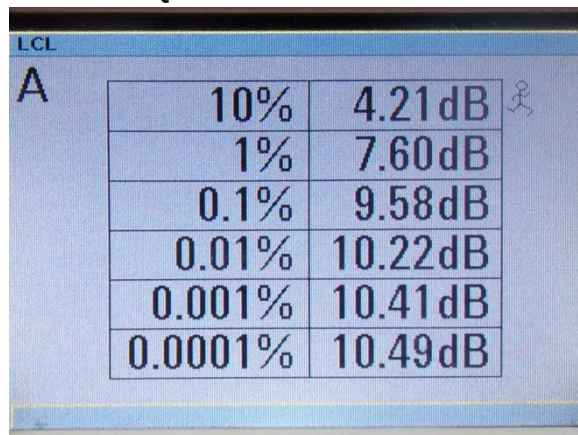
CHANNEL SPACING:

40 MHz

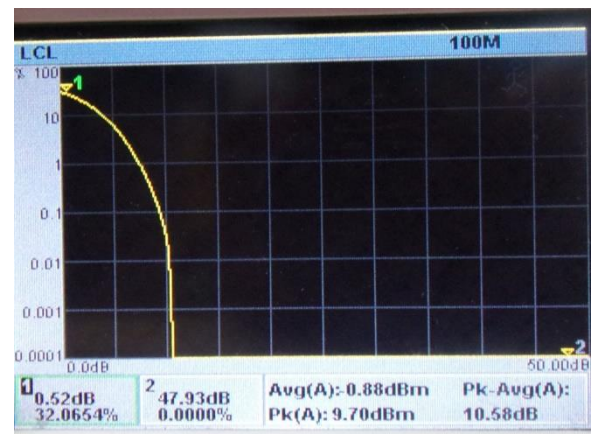
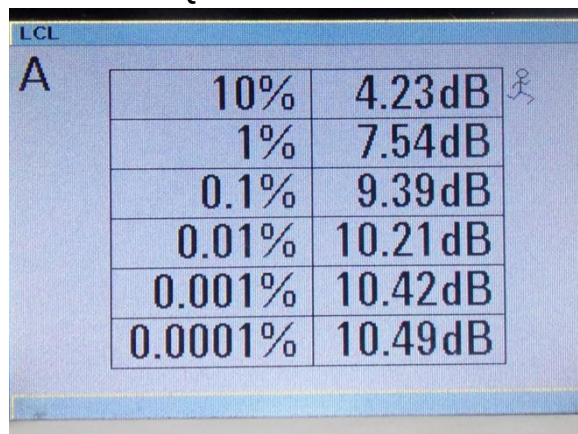
ANTENNA PORT:

1

Modulation: QPSK



Modulation: 16QAM



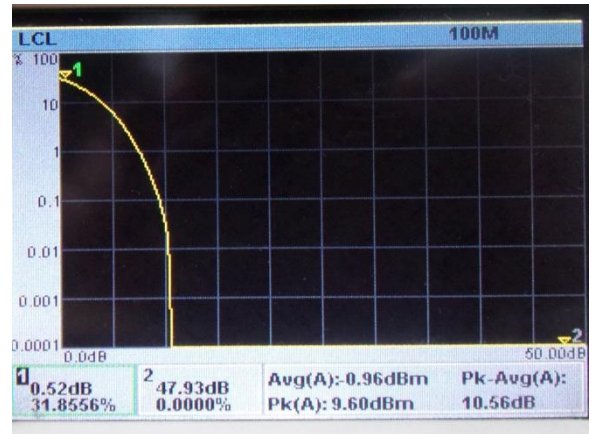


HERMON LABORATORIES

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:			

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	

