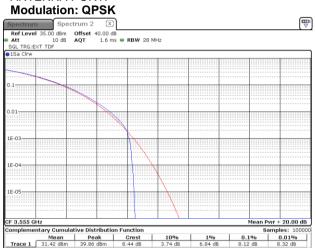


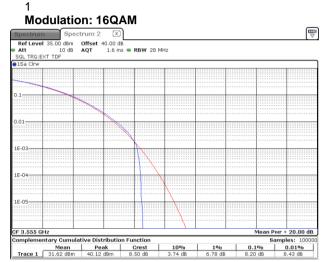


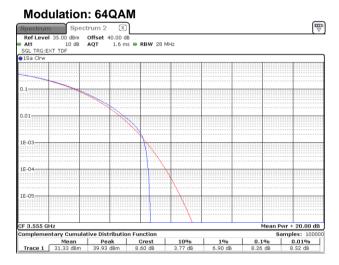
Test specification:	Section 96.41(g), Peak-to-	average power ratio	
Test procedure:	Section 96.41(g)		
Test mode:	Compliance	Verdict:	PASS
Date(s):	21-Jul-20	verdict.	PASS
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VDC
Remarks:			

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

CHANNEL SPACING: ANTENNA PORT: Modulation: QPSK











Test specification:	Section 96.41(g), Peak-to-	average power ratio	
Test procedure:	Section 96.41(g)		
Test mode:	Compliance	Verdict:	PASS
Date(s):	21-Jul-20	verdict.	PASS
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VDC
Remarks:			

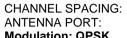
Plot 7.2.2 Peak-to-average power ratio test results at mid frequency

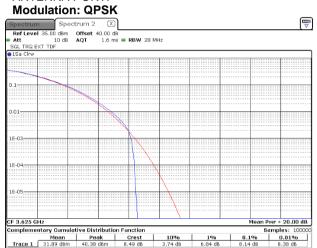
CF 3.625 GHz

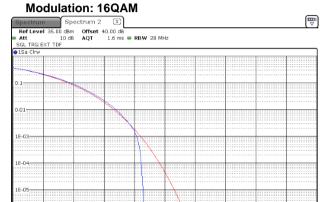
Complementary Cumulative Distribution Function

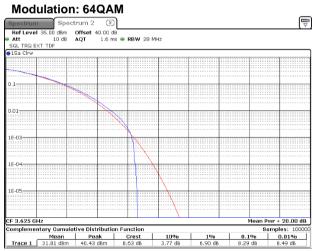
 Mean
 Peak
 Crest

 Trace 1
 32.03 dBm
 40.56 dBm
 8.53 dB









ean Pwr + 20.00 dB

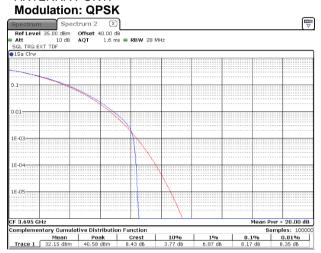


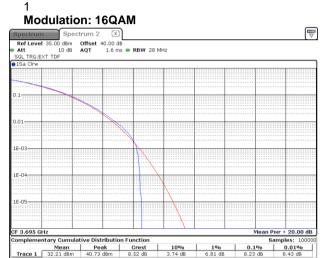


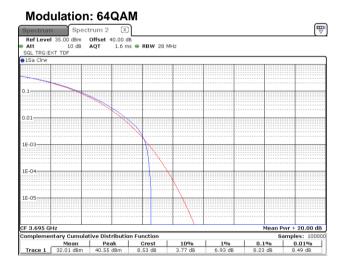
Test specification: Section 96.41(g), Peak-to- average power ratio				
Test procedure:	Section 96.41(g)			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	21-Jul-20	verdict.	PASS	
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VDC	
Remarks:				

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

CHANNEL SPACING: ANTENNA PORT:





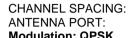


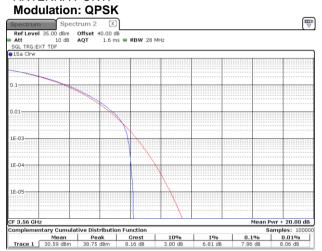


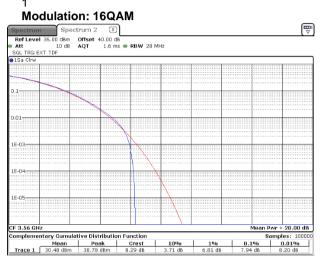


Test specification: Section 96.41(g), Peak-to- average power ratio				
Test procedure:	Section 96.41(g)			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	21-Jul-20	verdict.	PASS	
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VDC	
Remarks:				

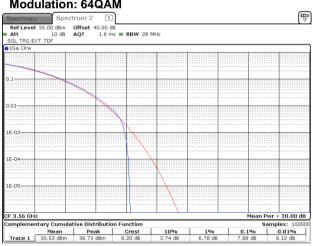
Plot 7.2.4 Peak-to-average power ratio test results at low frequency







Modulation: 64QAM



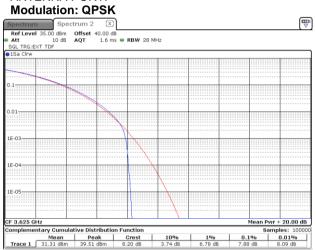


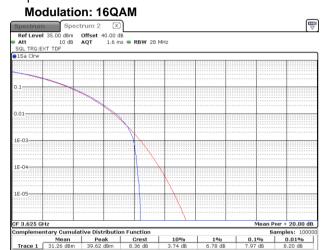


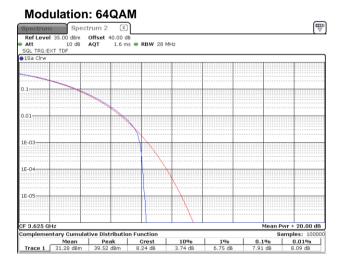
Test specification: Section 96.41(g), Peak-to- average power ratio				
Test procedure:	Section 96.41(g)			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	21-Jul-20	verdict.	PASS	
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VDC	
Remarks:				

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

CHANNEL SPACING: ANTENNA PORT:







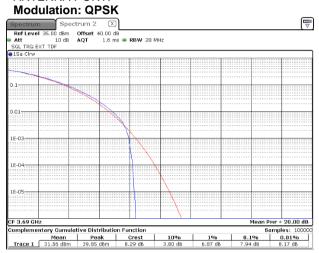


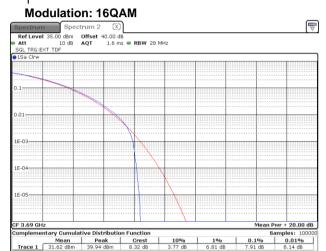


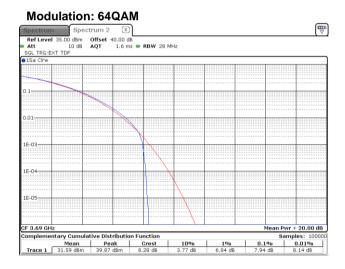
Test specification: Section 96.41(g), Peak-to- average power ratio				
Test procedure:	Section 96.41(g)			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	21-Jul-20	verdict.	PASS	
Temperature: 24.3. °C	Relative Humidity: 48 %	Air Pressure: 1010 hPa	Power: 48 VDC	
Remarks:				

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

CHANNEL SPACING: ANTENNA PORT:









Test specification:	Section2.1049, Occupied	bandwidth	
Test procedure:	47 CFR, Section 2.1049		
Test mode:	Compliance	Verdict:	PASS
Date(s):	19-Apr-20	verdict.	PASS
Temperature: 24 °C	Relative Humidity: 52 %	Air Pressure: 1012 hPa	Power: 48 VDC
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 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 b	andwidth	
Test procedure:	47 CFR, Section 2.1049		
Test mode:	Compliance	Verdict:	PASS
Date(s):	19-Apr-20	verdict.	PASS
Temperature: 24 °C	Relative Humidity: 52 %	Air Pressure: 1012 hPa	Power: 48 VDC
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%

MODULATION ENVELOPE REFERENCE POINTS: 99%							
Carrier frequency, MHz	Occupied bandwidth, MHz	Limit, MHz	Margin, MHz	Verdict			
Channel spacing 10 MHz							
Modulation QPSK							
3555.0	9.0113	10.0	-0.9887	Pass			
3625.0	9.0188	10.0	-0.9812	Pass			
3695.0	9.0138	10.0	-0.9862	Pass			
Modulation 16QAM							
3555.0	9.0113	10.0	-0.9887	Pass			
3625.0	9.0088	10.0	-0.9912	Pass			
3695.0	9.0038	10.0	-0.9962	Pass			
Modulation 64QAM							
3555.0	8.9988	10.0	-1.0012	Pass			
3625.0	9.0013	10.0	-0.9987	Pass			
3695.0	8.9988	10.0	-1.0012	Pass			
Channel spacing 20 MHz							
Modulation QPSK							
3560.0	17.8227	20.0	-2.1773	Pass			
3625.0	17.8127	20.0	-2.1873	Pass			
3690.0	17.8077	20.0	-2.1923	Pass			
Modulation 16QAM							
3560.0	17.8427	20.0	-2.1573	Pass			
3625.0	17.8327	20.0	-2.1673	Pass			
3690.0	17.8127	20.0	-2.1873	Pass			
Modulation 64QAM	-						
3560.0	17.7727	20.0	-2.2273	Pass			
3625.0	17.8027	20.0	-2.1973	Pass			
3690.0	17.7927	20.0	-2.2073	Pass			

Reference numbers of test equipment used

HL 4355 HL 3901 HL 5608	-						
		LII 42 <i>EE</i>	HL 3901	HL 5608			

Full description is given in Appendix A.



Test specification: Section2.1049, Occupied bandwidth

Test procedure: 47 CFR, Section 2.1049

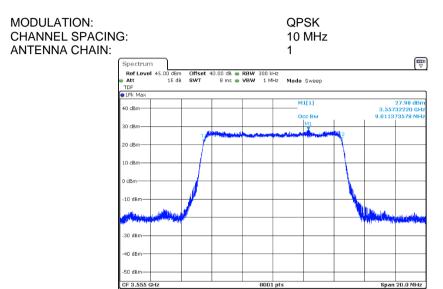
Test mode: Compliance Verdict: PASS

Date(s): 19-Apr-20

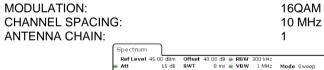
Temperature: 24 °C Relative Humidity: 52 % Air Pressure: 1012 hPa Power: 48 VDC

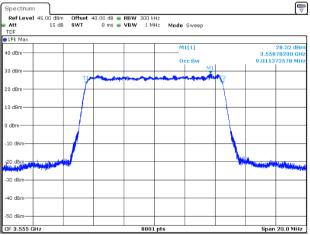
Remarks:

Plot 7.3.1 Occupied bandwidth test result at low frequency



Plot 7.3.2 Occupied bandwidth test result at low frequency



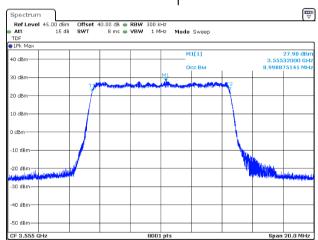




Test specification:	Section2.1049, Occupied b	andwidth	
Test procedure:	47 CFR, Section 2.1049		
Test mode:	Compliance	Verdict:	PASS
Date(s):	19-Apr-20	verdict.	PASS
Temperature: 24 °C	Relative Humidity: 52 %	Air Pressure: 1012 hPa	Power: 48 VDC
Remarks:			

Plot 7.3.3 Occupied bandwidth test result at low frequency

MODULATION: 64QAM CHANNEL SPACING: 10 MHz ANTENNA CHAIN: 1





Test specification: Section2.1049, Occupied bandwidth

Test procedure: 47 CFR, Section 2.1049

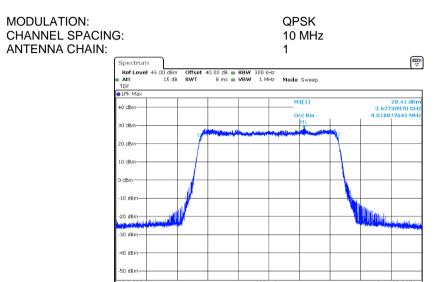
Test mode: Compliance Verdict: PASS

Date(s): 19-Apr-20

Temperature: 24 °C Relative Humidity: 52 % Air Pressure: 1012 hPa Power: 48 VDC

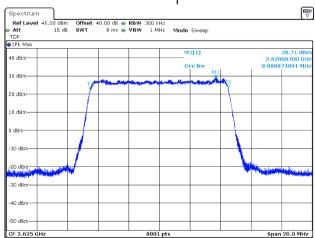
Remarks:

Plot 7.3.4 Occupied bandwidth test result at mid frequency



Plot 7.3.5 Occupied bandwidth test result at mid frequency

MODULATION: 16QAM
CHANNEL SPACING: 10 MHz
ANTENNA CHAIN: 1

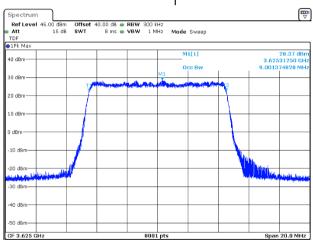




Test specification:	Section2.1049, Occupied bandwidth			
Test procedure:	47 CFR, Section 2.1049			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	19-Apr-20	verdict.	PASS	
Temperature: 24 °C	Relative Humidity: 52 %	Air Pressure: 1012 hPa	Power: 48 VDC	
Remarks:				

Plot 7.3.6 Occupied bandwidth test result at mid frequency

MODULATION: 64QAM CHANNEL SPACING: 10 MHz ANTENNA CHAIN: 1





Test specification: Section2.1049, Occupied bandwidth

Test procedure: 47 CFR, Section 2.1049

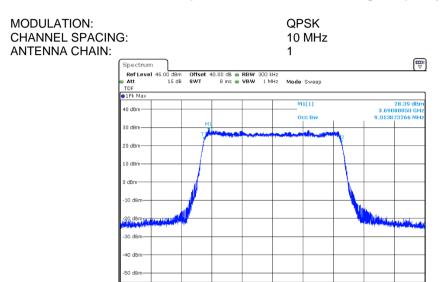
Test mode: Compliance Verdict: PASS

Date(s): 19-Apr-20

Temperature: 24 °C Relative Humidity: 52 % Air Pressure: 1012 hPa Power: 48 VDC

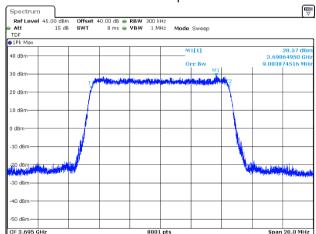
Remarks:

Plot 7.3.7 Occupied bandwidth test result at high frequency



Plot 7.3.8 Occupied bandwidth test result at high frequency



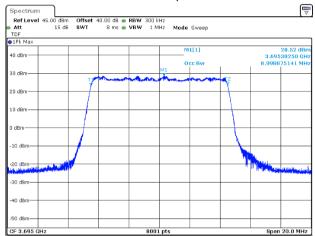




Test specification:	Section2.1049, Occupied bandwidth			
Test procedure:	47 CFR, Section 2.1049			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	19-Apr-20	verdict.	PASS	
Temperature: 24 °C	Relative Humidity: 52 %	Air Pressure: 1012 hPa	Power: 48 VDC	
Remarks:				

Plot 7.3.9 Occupied bandwidth test result at high frequency

MODULATION: 64QAM CHANNEL SPACING: 10 MHz ANTENNA CHAIN: 1





Test specification: Section2.1049, Occupied bandwidth

Test procedure: 47 CFR, Section 2.1049

Test mode: Compliance Verdict: PASS

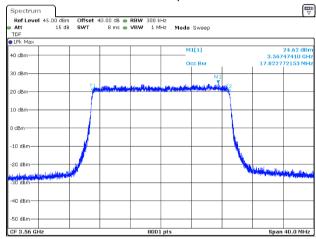
Date(s): 19-Apr-20

Temperature: 24 °C Relative Humidity: 52 % Air Pressure: 1012 hPa Power: 48 VDC

Remarks:

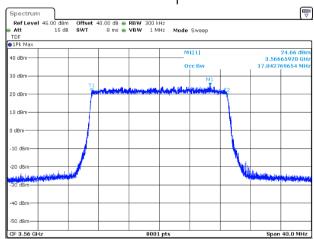
Plot 7.3.10 Occupied bandwidth test result at low frequency





Plot 7.3.11 Occupied bandwidth test result at low frequency

MODULATION: 16QAM CHANNEL SPACING: 20 MHz ANTENNA CHAIN: 1

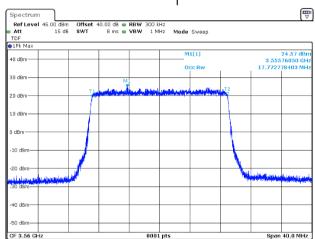




Test specification:	Section2.1049, Occupied bandwidth				
Test procedure:	47 CFR, Section 2.1049				
Test mode:	Compliance	Verdict: PASS			
Date(s):	19-Apr-20	verdict.	PASS		
Temperature: 24 °C	Relative Humidity: 52 %	Air Pressure: 1012 hPa	Power: 48 VDC		
Remarks:	•				

Plot 7.3.12 Occupied bandwidth test result at low frequency

MODULATION:64QAMCHANNEL SPACING:20 MHzANTENNA CHAIN:1



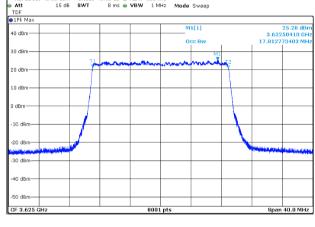
▽



Test specification:	Section2.1049, Occupied bandwidth				
Test procedure:	47 CFR, Section 2.1049				
Test mode:	Compliance	Verdict: PASS			
Date(s):	19-Apr-20	verdict.	PASS		
Temperature: 24 °C	Relative Humidity: 52 %	Air Pressure: 1012 hPa	Power: 48 VDC		
Remarks:					

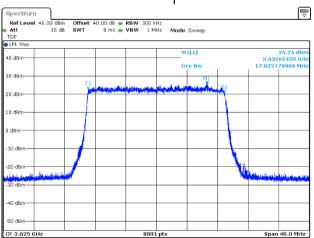
Plot 7.3.13 Occupied bandwidth test result at mid frequency





Plot 7.3.14 Occupied bandwidth test result at mid frequency

MODULATION: 16QAM CHANNEL SPACING: 20 MHz ANTENNA CHAIN: 1

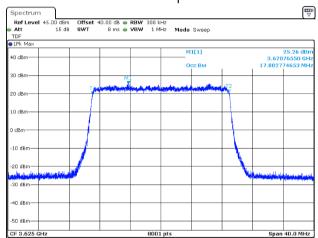




Test specification:	Section2.1049, Occupied bandwidth			
Test procedure:	47 CFR, Section 2.1049			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	19-Apr-20	verdict.	PASS	
Temperature: 24 °C	Relative Humidity: 52 %	Air Pressure: 1012 hPa	Power: 48 VDC	
Remarks:				

Plot 7.3.15 Occupied bandwidth test result at mid frequency

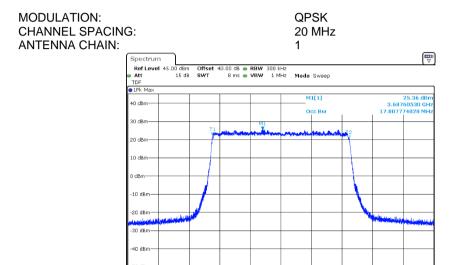
MODULATION:64QAMCHANNEL SPACING:20 MHzANTENNA CHAIN:1





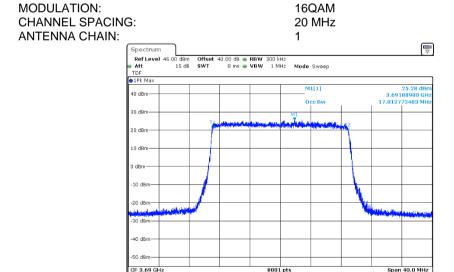
Test specification:	Section2.1049, Occupied bandwidth				
Test procedure:	47 CFR, Section 2.1049				
Test mode:	Compliance	Verdict: PASS			
Date(s):	19-Apr-20	verdict.	PASS		
Temperature: 24 °C	Relative Humidity: 52 %	Air Pressure: 1012 hPa	Power: 48 VDC		
Remarks:					

Plot 7.3.16 Occupied bandwidth test result at high frequency



CF 3.69 GH

Plot 7.3.17 Occupied bandwidth test result at high frequency

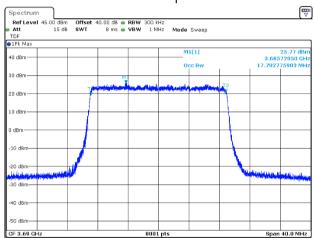




Test specification:	Section2.1049, Occupied bandwidth			
Test procedure:	47 CFR, Section 2.1049			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	19-Apr-20	verdict.	PASS	
Temperature: 24 °C	Relative Humidity: 52 %	Air Pressure: 1012 hPa	Power: 48 VDC	
Remarks:				

Plot 7.3.18 Occupied bandwidth test result at high frequency

MODULATION:64QAMCHANNEL SPACING:20 MHzANTENNA CHAIN:1





Test specification:	Section 96.41(e), Emission mask			
Test procedure:	Section 96.41(e)(3)			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	19-Jul-20	verdict.	PASS	
Temperature: 24.2 °C	Relative Humidity: 49 %	Air Pressure: 1010 hPa	Power: 48 VDC	
Remarks:				

7.4 Emission outside the fundamental test

7.4.1 General

This test was performed to measure Emission outside the fundamental at RF antenna connector. Specification test limits are given in Table 7.4.1.

Table 7.4.1 Emission outside the fundamental limits

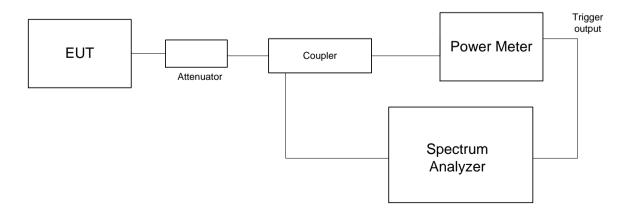
Frequency displacement from frequency block	Limit*, dBm/MHz	RBW, kHz
Channel Spacing 10 MHz		
0 – 1 MHz	- 13	100
0 – 10 MHz	- 13	1000
10 – 20 MHz	- 25	1000
Above 3530 MHz and below 3720 MHz	- 25	1000
Below 3530 MHz and above 3720 MHz	- 40	1000
Channel Spacing 20 MHz		
0 – 1 MHz	- 13	100
0 – 10 MHz	- 13	1000
10 – 20 MHz	- 25	1000
Above 3530 MHz and below 3720 MHz	- 25	1000
Below 3530 MHz and above 3720 MHz	- 40	1000

^{* -} Limit at each antenna connector (amount of antennas N = 2)

7.4.2 Test procedure

- **7.4.2.1** The EUT was set up as shown in Figure 7.4.1, energized and its proper operation was checked.
- **7.4.2.2** The Emission outside the fundamental was measured with spectrum analyzer as provided in Table 7.4.2, Table 7.4.3 and the the associated plots.

Figure 7.4.1 Emission outside the fundamental test setup





Test specification:	Section 96.41(e), Emission mask			
Test procedure:	Section 96.41(e)(3)			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	19-Jul-20	verdict.	PASS	
Temperature: 24.2 °C	Relative Humidity: 49 %	Air Pressure: 1010 hPa	Power: 48 VDC	
Remarks:				

Table 7.4.2 Emission outside the fundamental test results

ASSIGNED FREQUENCY RANGE: 3550.0 -3700.0 MHz Average (gated)
≥ Resolution bandwidth **DETECTOR USED:** VIDEO BANDWIDTH: EBW: 10 MHz

NUMBER OF CHAINS: ANTENNA PORT: Worst case

Frequency	Band edge	SA reading over 1 chain,	Total band edge*,	RBW,	Integration	Limit,	Verdict
MHz		dBm	dBm	kHz	BW, kHz	dBm	
QPSK							
	cy 3555.0 MHz						
3549.50	Low	-55.99	-52.99	100	1000	-13.0	
3539.50	Low	-67.33	-64.33	100	1000	-25.0	Pass
3560.50	High	-55.51	-52.51	100	1000	-13.0	
3570.50	High	-66.04	-63.04	100	1000	-25.0	
	cy 3625.0 MHz						
3619.50	Low	-55.37	-52.37	100	1000	-13.0	
3609.50	Low	-67.11	-64.11	100	1000	-25.0	Pass
3630.50	High	-55.71	-52.71	100	1000	-13.0	F 455
3640.50	High	-67.27	-64.27	100	1000	-25.0	
High frequer	ncy 3695.0 MHz						
3689.50	Low	-55.90	-52.90	100	1000	-13.0	Pass
3679.50	Low	-64.18	-61.18	100	1000	-25.0	
3700.50	High	-55.16	-52.16	100	1000	-13.0	
3710.50	High	-66.57	-63.57	100	1000	-25.0	
64 QAM							
Low frequen	cy 3555.0 MHz						
3549.50	Low	-56.24	-53.24	100	1000	-13.0	
3539.50	Low	-67.13	-64.13	100	1000	-25.0	Pass
3560.50	High	-55.45	-52.45	100	1000	-13.0	Pass
3570.50	High	-66.01	-63.01	100	1000	-25.0	
Mid frequent	cy 3625.0 MHz	-					
3619.50	Low	-56.07	-53.07	100	1000	-13.0	
3609.50	Low	-66.23	-63.23	100	1000	-25.0	Pass
3630.50	High	-54.72	-51.72	100	1000	-13.0	Pass
3640.50	High	-66.91	-63.91	100	1000	-25.0	1
High frequer	ncy 2680.0 MHz						
3689.50	Low	-56.06	-53.06	100	1000	-13.0	
3679.50	Low	-65.07	-62.07	100	1000	-25.0	D
3700.50	High	-55.15	-52.15	100	1000	-13.0	Pass
3710.50	High	-66.53	-63.53	100	1000	-25.0	1

^{* -} SA Reading over 1 chain = Max SA reading (Chains #1&2 and #3&4)

** - Total band edge = SA Reading over 1 chain + 10*log(N) = SA reading +3 dB

*** - Margin = Total band edge - Specification limit



Test specification:	Section 96.41(e), Emission mask				
Test procedure:	Section 96.41(e)(3)				
Test mode:	Compliance	Verdict: PASS			
Date(s):	19-Jul-20	verdict.	PASS		
Temperature: 24.2 °C	Relative Humidity: 49 %	Air Pressure: 1010 hPa	Power: 48 VDC		
Remarks:					

Table 7.4.3 Emission outside the fundamental test results

ASSIGNED FREQUENCY RANGE: 3550.0 -3700.0 MHz **DETECTOR USED:** Average (gated) ≥ Resolution bandwidth VIDEO BANDWIDTH:

EBW: 20 MHz NUMBER OF CHAINS:

ANTENNA PORT:		Worst case					
Frequency MHz	Band edge	SA reading over 1 chain, dBm	Total band edge*, dBm	RBW, kHz	Integration BW, kHz	Limit, dBm	Verdict
QPSK							
Low frequen	cy 3560.0 MHz						
3549.50	Low	-53.73	-50.73	100	1000	-13.0	Pass
3539.50	Low	-64.11	-61.43	100	1000	-25.0	
3570.50	High	-53.59	-50.59	100	1000	-13.0	
3580.50	High	-62.31	-59.31	100	1000	-25.0	
Mid frequence	cy 3625.0 MHz						
3615.50	Low	-54.47	-51.47	100	1000	-13.0	
3604.50	Low	-65.54	-62.54	100	1000	-25.0	Pass
3635.50	High	-54.85	-51.85	100	1000	-13.0	газэ
3645.50	High	-64.22	-61.22	100	1000	-25.0	
High frequer	ncy 3690.0 MHz						
3679.50	Low	-54.82	-51.82	100	1000	-13.0	
3669.50	Low	-63.32	-60.32	100	1000	-25.0	Pass
3700.50	High	-55.12	-52.12	100	1000	-13.0	
3710.50	High	-63.98	-60.98	100	1000	-25.0	
64 QAM							
Low frequen	cy 3560.0 MHz						
3549.50	Low	-53.80	-50.80	100	1000	-13.0	
3539.50	Low	-63.67	-60.67	100	1000	-25.0	Pass
3570.50	High	-53.93	-50.93	100	1000	-13.0	
3580.50	High	-63.03	-60.03	100	1000	-25.0	
Mid frequence	cy 3625.0 MHz						
3615.50	Low	-54.89	-51.89	100	1000	-13.0	- Pass
3604.50	Low	-65.30	-62.30	100	1000	-25.0	
3635.50	High	-54.63	-51.63	100	1000	-13.0	
3645.50	High	-65.02	-62.02	100	1000	-25.0	
High frequer	ncy 3690.0 MHz						
3679.50	Low	-54.29	-51.29	100	1000	-13.0	
3669.50	Low	-62.74	-59.74	100	1000	-25.0	- Pass
3700.50	High	-56.15	-53.15	100	1000	-13.0	
3710.50	High	-65.22	-62.22	100	1000	-25.0	

Reference numbers of test equipment used

HL 3301 HL 3302 HL 4355 HL 3901	HL 4366	
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Full description is given in Appendix A.

^{* -} SA Reading over 1 chain = Max SA reading (Chains #1&2 and #3&4)

** - Total band edge = SA Reading over 1 chain + 10*log(N) = SA reading +3 dB

*** - Margin = Total band edge — Specification limit

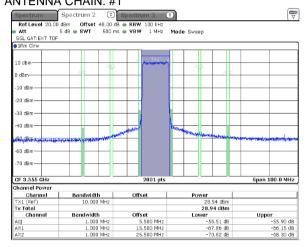




Test specification:	Section 96.41(e), Emission mask			
Test procedure:	Section 96.41(e)(3)			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	19-Jul-20	verdict.	PASS	
Temperature: 24.2 °C	Relative Humidity: 49 %	Air Pressure: 1010 hPa	Power: 48 VDC	
Remarks:				

Plot 7.4.1 Emission outside the fundamental test results in 3505 - 3605 GHz range at low carrier frequency

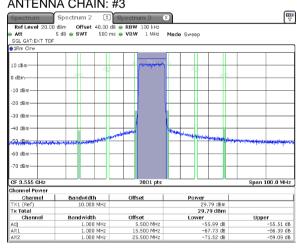
MODULATION: CHANNEL SPACING: ANTENNA CHAIN: #1

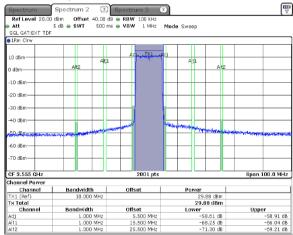


10 MHz | Spectrum | Spectrum 2 | Spectrum 3 | Spectrum 2 | Spectrum 3 | Spect **-**-10 dBm 30 dBm 40 dBm

-60 dBm--70 dBm CF 3.555 GHz Span 100.0 MHz 2001 pts Power 28.78 dBm 28.78 dBm Lower -55.25 dB -67.33 dB -70.12 dB Channel Offset Bandwidth 10.000 MHz

ANTENNA CHAIN: #3





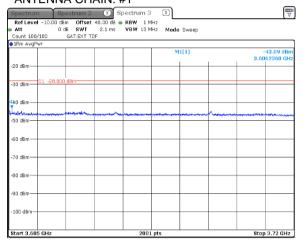


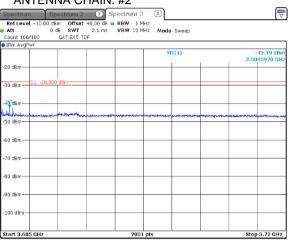


Test specification: Section 96.41(e), Emission mask Section 96.41(e)(3) Test procedure: Test mode: Compliance Verdict: **PASS** Date(s): 19-Jul-20 Temperature: 24.2 °C Air Pressure: 1010 hPa Power: 48 VDC Relative Humidity: 49 % Remarks:

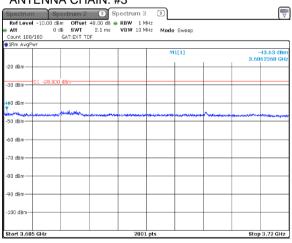
Plot 7.4.2 Emission outside the fundamental test results in 3605 - 3720 GHz range at low carrier frequency

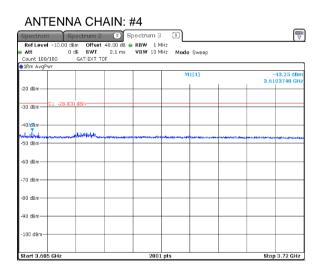
MODULATION: CHANNEL SPACING: ANTENNA CHAIN: #1

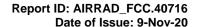










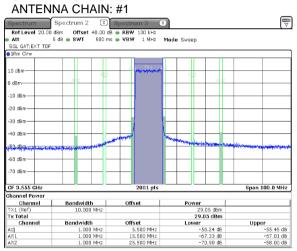




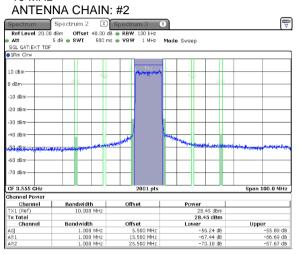
Test specification:	Section 96.41(e), Emission mask			
Test procedure:	Section 96.41(e)(3)			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	19-Jul-20	verdict.	PASS	
Temperature: 24.2 °C	Relative Humidity: 49 %	Air Pressure: 1010 hPa	Power: 48 VDC	
Remarks:				

Plot 7.4.3 Emission outside the fundamental test results in 3505 - 3605 GHz range at low carrier frequency

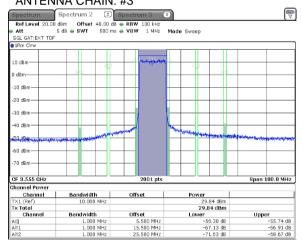
MODULATION: CHANNEL SPACING: ANTENNA CHAIN: #1

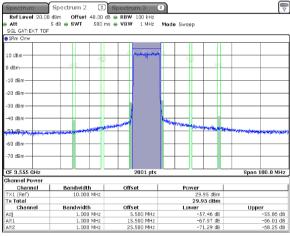


64QAM 10 MHz



ANTENNA CHAIN: #3









Test specification: Section 96.41(e), Emission mask

Test procedure: Section 96.41(e)(3)

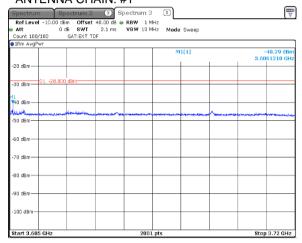
Test mode: Compliance Verdict: PASS

Temperature: 24.2 °C Relative Humidity: 49 % Air Pressure: 1010 hPa Power: 48 VDC

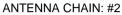
Remarks:

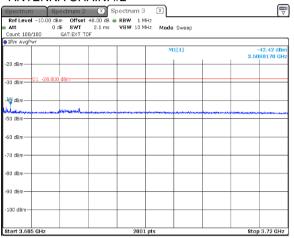
Plot 7.4.4 Emission outside the fundamental test results in 3605 - 3720 GHz range at low carrier frequency

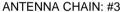
MODULATION: CHANNEL SPACING: ANTENNA CHAIN: #1

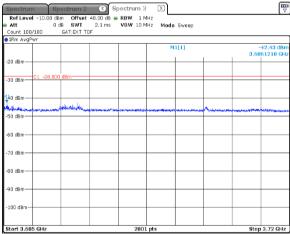


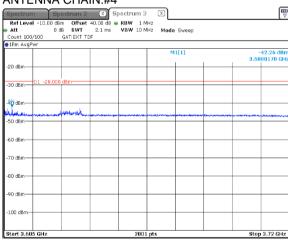
64QAM 10 MHz















Test specification: Section 96.41(e), Emission mask

Test procedure: Section 96.41(e)(3)

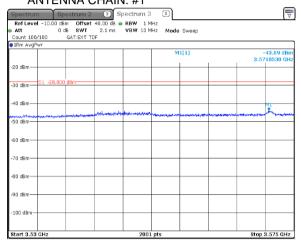
Test mode: Compliance Verdict: PASS

Temperature: 24.2 °C Relative Humidity: 49 % Air Pressure: 1010 hPa Power: 48 VDC

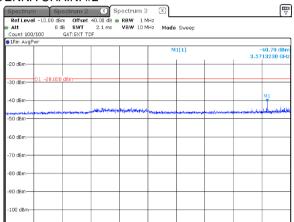
Remarks:

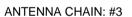
Plot 7.4.5 Emission outside the fundamental test results in 3530 - 3575 GHz range at mid carrier frequency

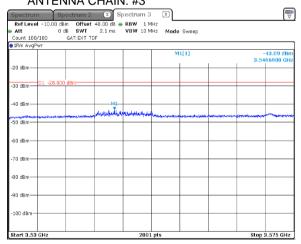
MODULATION: CHANNEL SPACING: ANTENNA CHAIN: #1



10 MHz ANTENNA CHAIN: #2

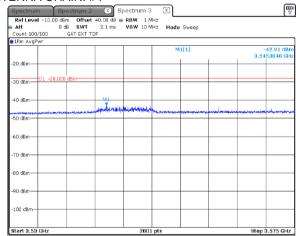


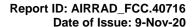




ANTENNA CHAIN: #4

Start 3.53 GI



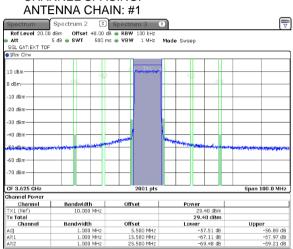




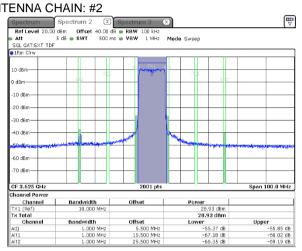
Test specification:	Section 96.41(e), Emission mask			
Test procedure:	Section 96.41(e)(3)			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	19-Jul-20	verdict.	PASS	
Temperature: 24.2 °C	Relative Humidity: 49 %	Air Pressure: 1010 hPa	Power: 48 VDC	
Remarks:				

Plot 7.4.6 Emission outside the fundamental test results in 3575 - 3675 GHz range at mid carrier frequency

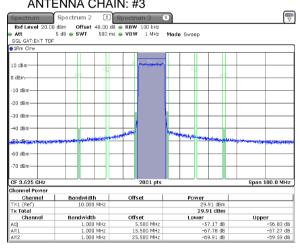
MODULATION: CHANNEL SPACING:

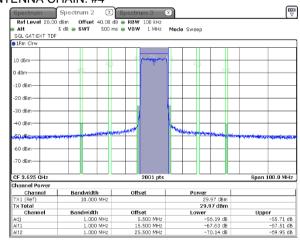


10 MHz ANTENNA CHAIN: #2



ANTENNA CHAIN: #3





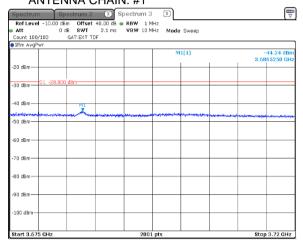




Test specification: Section 96.41(e), Emission mask Section 96.41(e)(3) Test procedure: Test mode: Compliance **PASS** Verdict: Date(s): 19-Jul-20 Temperature: 24.2 °C Air Pressure: 1010 hPa Power: 48 VDC Relative Humidity: 49 % Remarks:

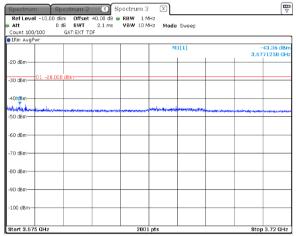
Plot 7.4.7 Emission outside the fundamental test results in 3675 - 3720 GHz range at mid carrier frequency

MODULATION: **CHANNEL SPACING:** ANTENNA CHAIN: #1

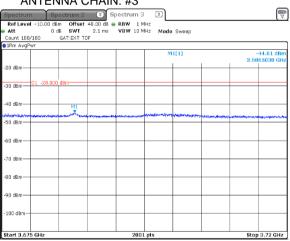


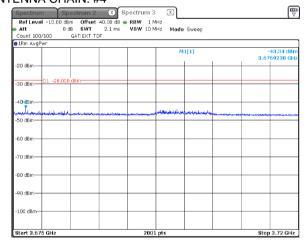
10 MHz ANTENNA CHAIN: #2















Test specification: Section 96.41(e), Emission mask

Test procedure: Section 96.41(e)(3)

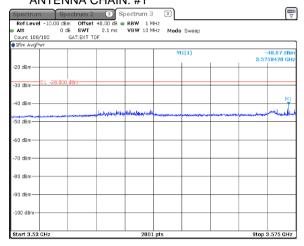
Test mode: Compliance Verdict: PASS

Temperature: 24.2 °C Relative Humidity: 49 % Air Pressure: 1010 hPa Power: 48 VDC

Remarks:

Plot 7.4.8 Emission outside the fundamental test results in 3530 - 3575 GHz range at mid carrier frequency

MODULATION: CHANNEL SPACING: ANTENNA CHAIN: #1



64QAM 10 MHz ANTENNA CHAIN: #2

