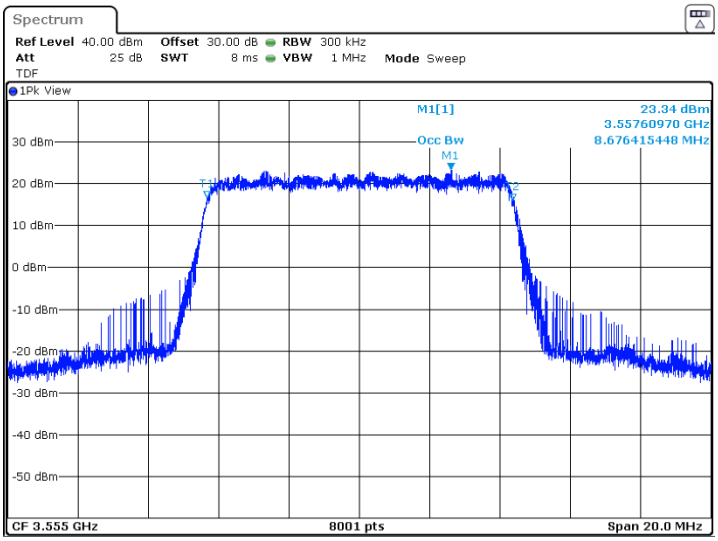
Test specification:	Section2.1049, Occupied bandwidth		
Test procedure:	47 CFR, Section 2.1049		
Test mode:	Compliance	Verdict:	PASS
Date(s):	5-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1010 hPa	Power: 48 VDC
Remarks:			

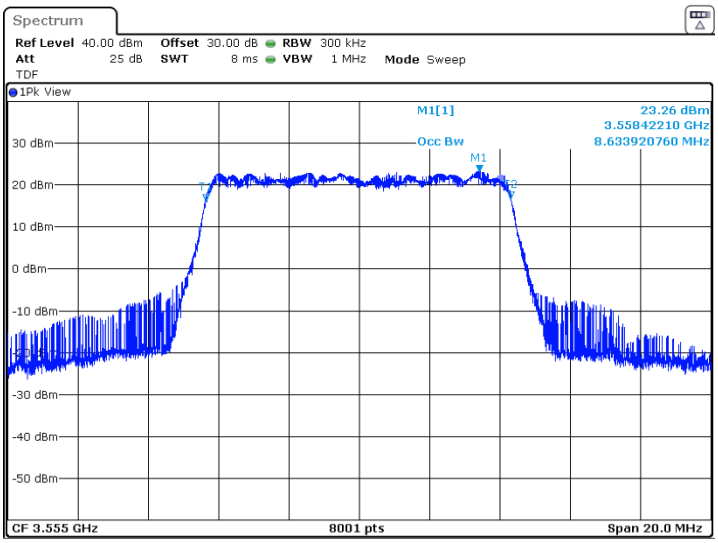
Plot 7.3.1 Occupied bandwidth test result at low frequency

MODULATION: QPSK
CHANNEL SPACING: 10 MHz
ANTENNA CHAIN: 1



Plot 7.3.2 Occupied bandwidth test result at low frequency

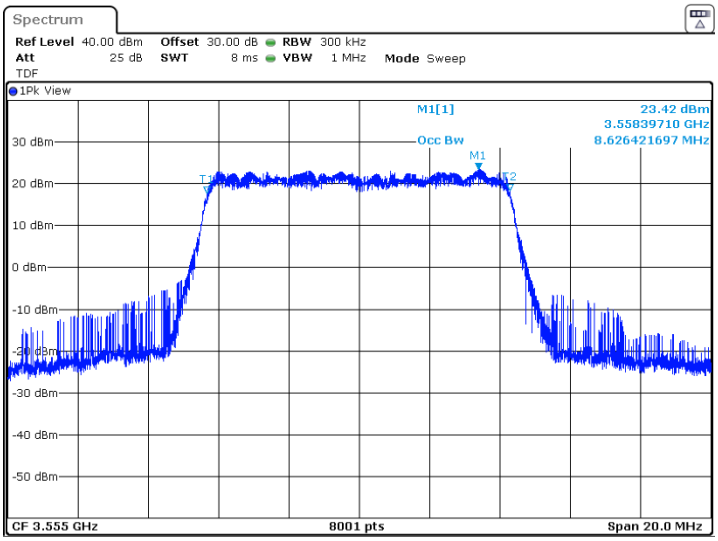
MODULATION: 16QAM
CHANNEL SPACING: 10 MHz
ANTENNA CHAIN: 1



Test specification:	Section2.1049, Occupied bandwidth		
Test procedure:	47 CFR, Section 2.1049		
Test mode:	Compliance	Verdict:	PASS
Date(s):	5-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1010 hPa	Power: 48 VDC
Remarks:			

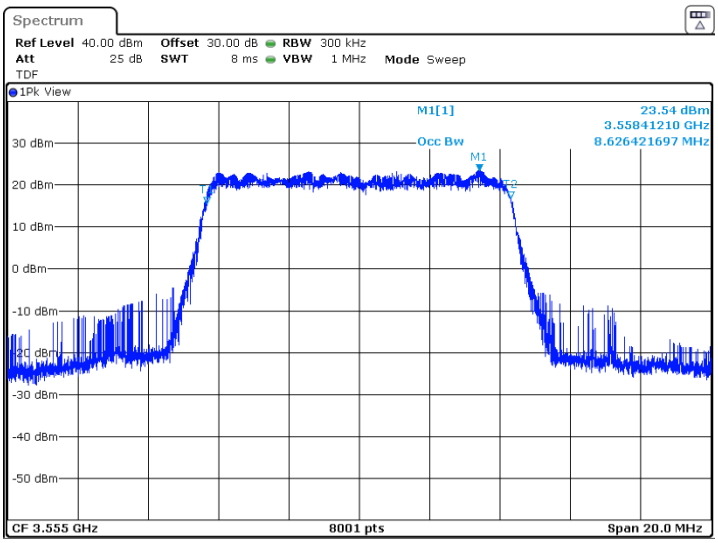
Plot 7.3.3 Occupied bandwidth test result at low frequency

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



Plot 7.3.4 Occupied bandwidth test result at low frequency

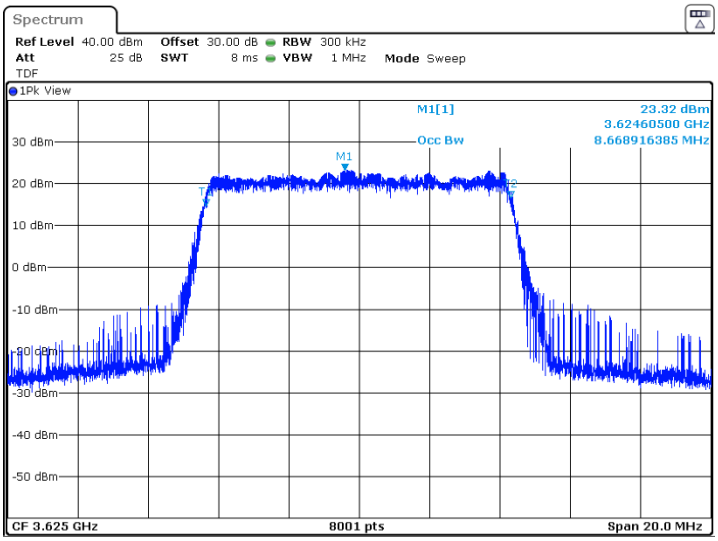
MODULATION: 256QAM
CHANNEL SPACING: 10 MHz
ANTENNA CHAIN: 1



Test specification:	Section2.1049, Occupied bandwidth		
Test procedure:	47 CFR, Section 2.1049		
Test mode:	Compliance	Verdict:	PASS
Date(s):	5-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1010 hPa	Power: 48 VDC
Remarks:			

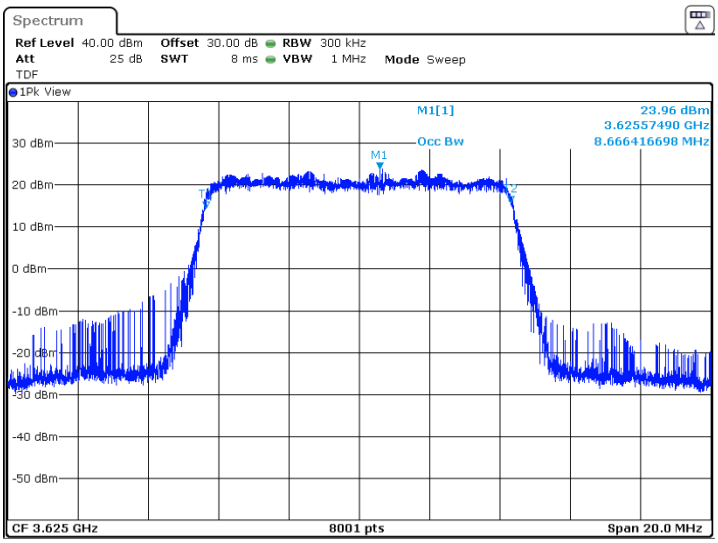
Plot 7.3.5 Occupied bandwidth test result at mid frequency

MODULATION: QPSK
CHANNEL SPACING: 10 MHz
ANTENNA CHAIN: 1



Plot 7.3.6 Occupied bandwidth test result at mid frequency

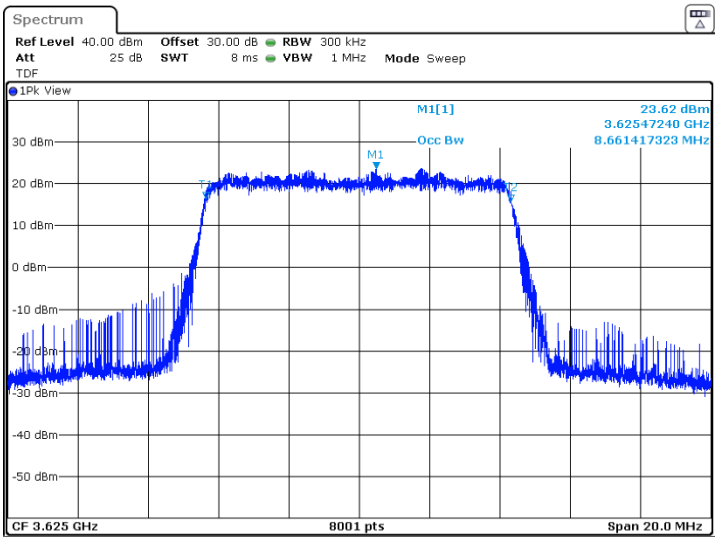
MODULATION: 16QAM
CHANNEL SPACING: 10 MHz
ANTENNA CHAIN: 1



Test specification:	Section2.1049, Occupied bandwidth		
Test procedure:	47 CFR, Section 2.1049		
Test mode:	Compliance	Verdict:	PASS
Date(s):	5-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1010 hPa	Power: 48 VDC
Remarks:			

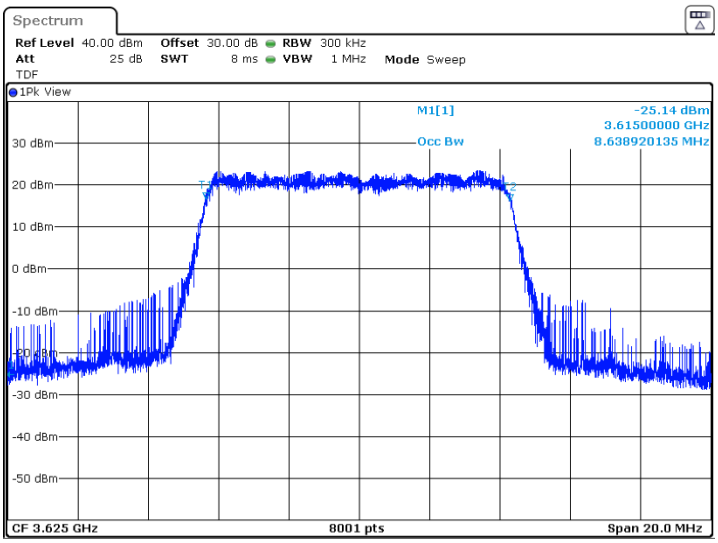
Plot 7.3.7 Occupied bandwidth test result at mid frequency

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



Plot 7.3.8 Occupied bandwidth test result at mid frequency

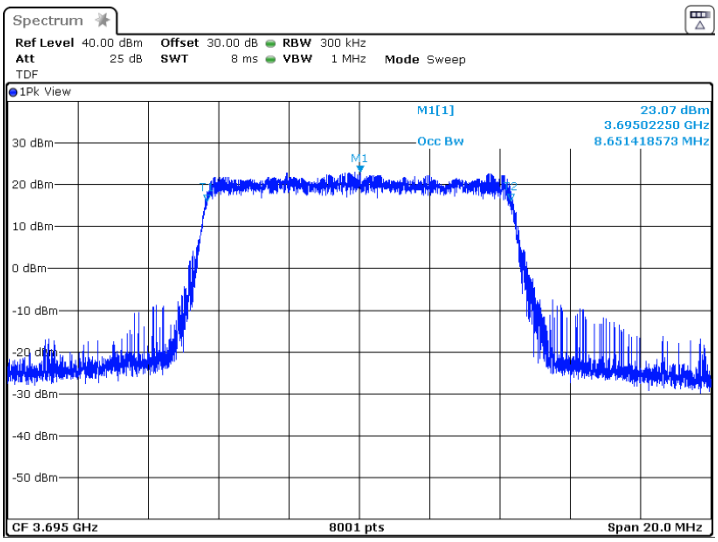
MODULATION: 256QAM
CHANNEL SPACING: 10 MHz
ANTENNA CHAIN: 1



Test specification:	Section2.1049, Occupied bandwidth		
Test procedure:	47 CFR, Section 2.1049		
Test mode:	Compliance	Verdict:	PASS
Date(s):	5-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1010 hPa	Power: 48 VDC
Remarks:			

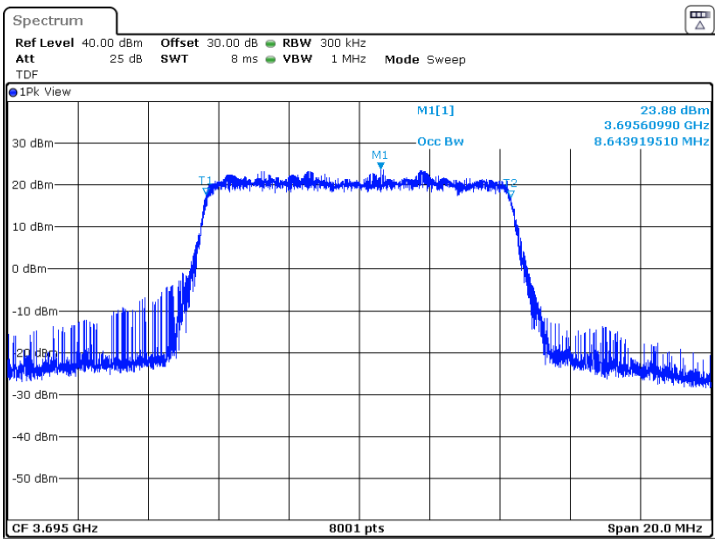
Plot 7.3.9 Occupied bandwidth test result at high frequency

MODULATION: QPSK
CHANNEL SPACING: 10 MHz
ANTENNA CHAIN: 1



Plot 7.3.10 Occupied bandwidth test result at high frequency

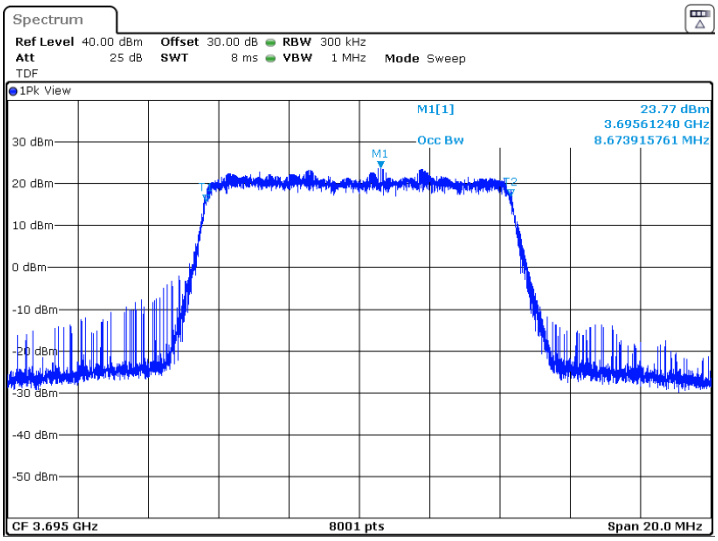
MODULATION: 16QAM
CHANNEL SPACING: 10 MHz
ANTENNA CHAIN: 1



Test specification:	Section2.1049, Occupied bandwidth		
Test procedure:	47 CFR, Section 2.1049		
Test mode:	Compliance	Verdict:	PASS
Date(s):	5-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1010 hPa	Power: 48 VDC
Remarks:			

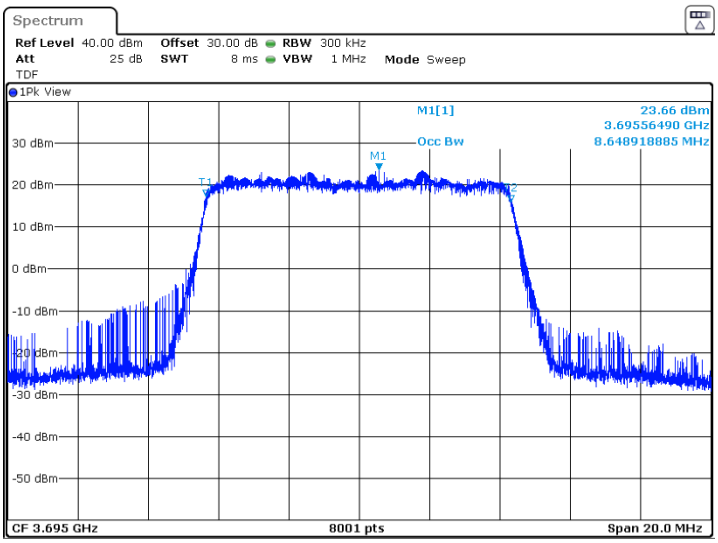
Plot 7.3.11 Occupied bandwidth test result at high frequency

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



Plot 7.3.12 Occupied bandwidth test result at high frequency

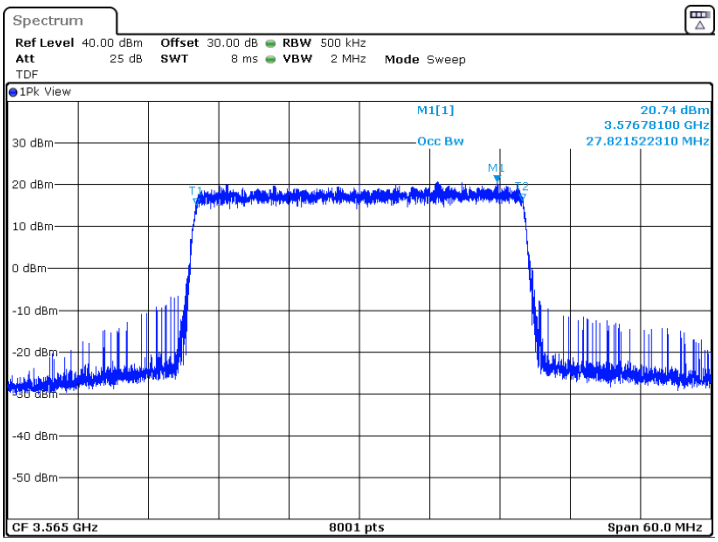
MODULATION: 256QAM
CHANNEL SPACING: 10 MHz
ANTENNA CHAIN: 1



Test specification:	Section2.1049, Occupied bandwidth		
Test procedure:	47 CFR, Section 2.1049		
Test mode:	Compliance	Verdict:	PASS
Date(s):	5-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1010 hPa	Power: 48 VDC
Remarks:			

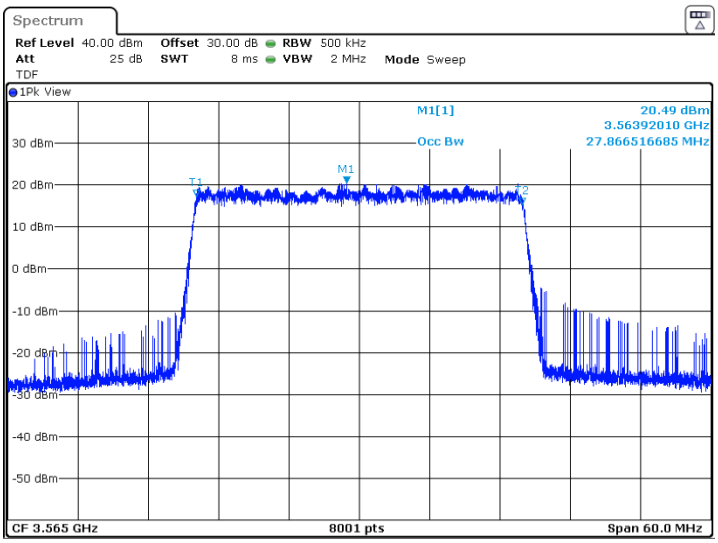
Plot 7.3.13 Occupied bandwidth test result at low frequency

MODULATION: QPSK
CHANNEL SPACING: 30 MHz
ANTENNA CHAIN: 1



Plot 7.3.14 Occupied bandwidth test result at low frequency

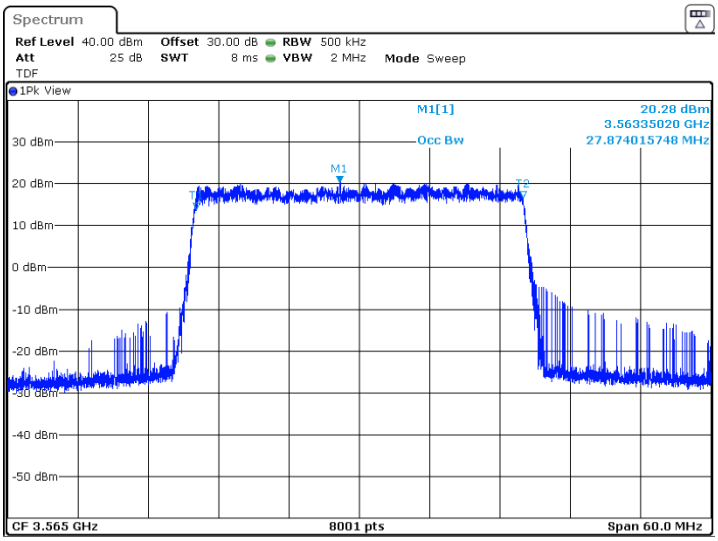
MODULATION: 16QAM
CHANNEL SPACING: 30 MHz
ANTENNA CHAIN: 1



Test specification:	Section2.1049, Occupied bandwidth		
Test procedure:	47 CFR, Section 2.1049		
Test mode:	Compliance	Verdict:	PASS
Date(s):	5-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1010 hPa	Power: 48 VDC
Remarks:			

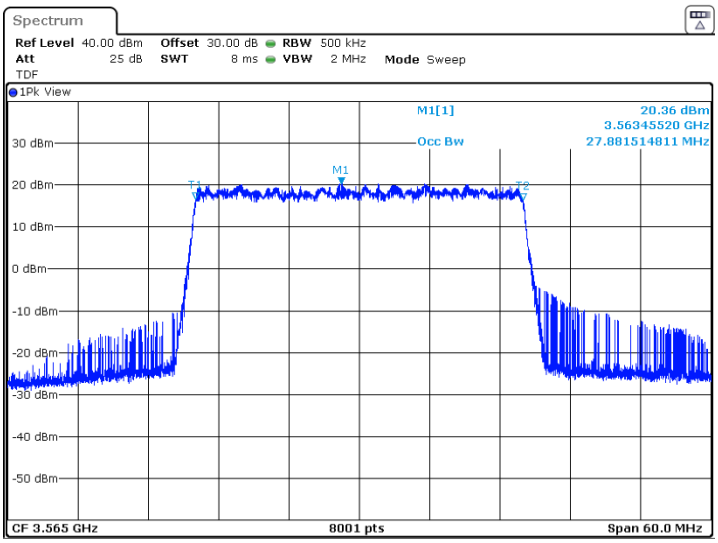
Plot 7.3.15 Occupied bandwidth test result at low frequency

MODULATION: 64QAM
CHANNEL SPACING: 30 MHz
ANTENNA CHAIN: 1



Plot 7.3.16 Occupied bandwidth test result at low frequency

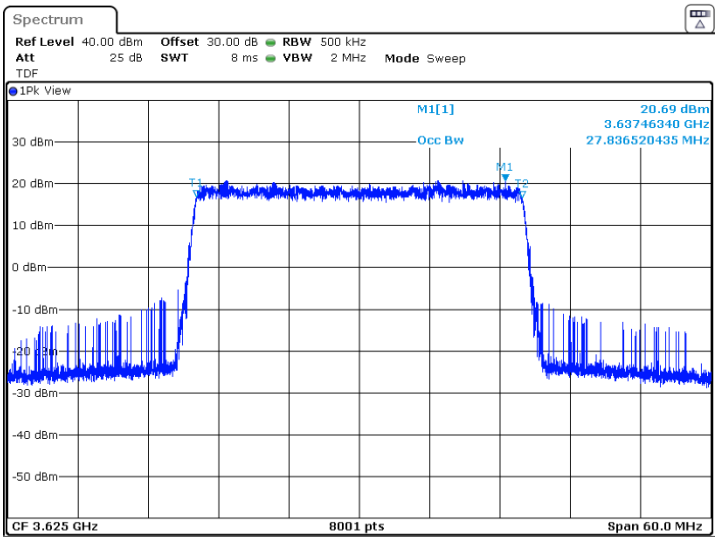
MODULATION: 256QAM
CHANNEL SPACING: 30 MHz
ANTENNA CHAIN: 1



Test specification:	Section2.1049, Occupied bandwidth		
Test procedure:	47 CFR, Section 2.1049		
Test mode:	Compliance	Verdict:	PASS
Date(s):	5-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1010 hPa	Power: 48 VDC
Remarks:			

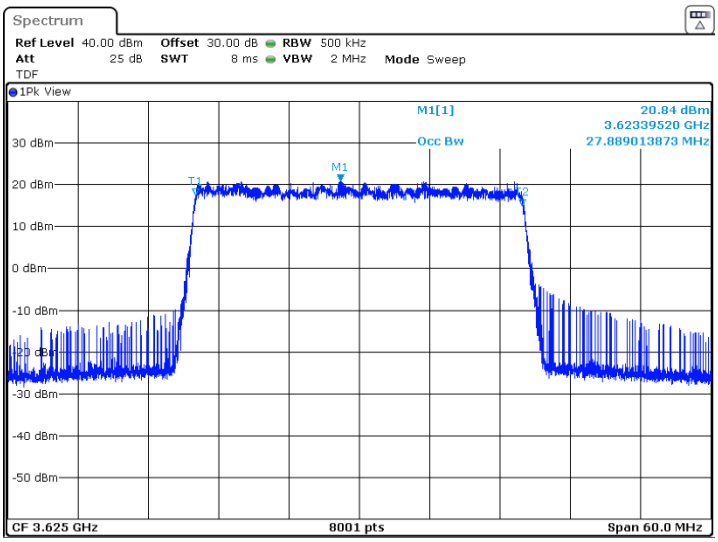
Plot 7.3.17 Occupied bandwidth test result at mid frequency

MODULATION: QPSK
CHANNEL SPACING: 30 MHz
ANTENNA CHAIN: 1



Plot 7.3.18 Occupied bandwidth test result at mid frequency

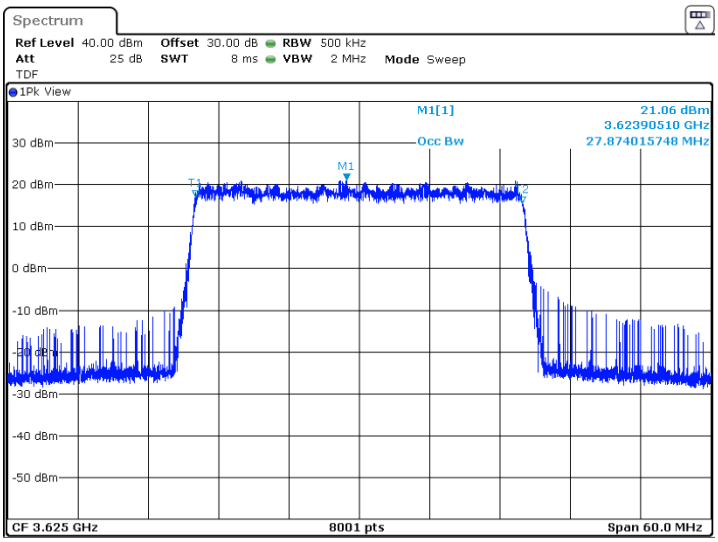
MODULATION: 16QAM
CHANNEL SPACING: 30 MHz
ANTENNA CHAIN: 1



Test specification:	Section2.1049, Occupied bandwidth		
Test procedure:	47 CFR, Section 2.1049		
Test mode:	Compliance	Verdict:	PASS
Date(s):	5-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1010 hPa	Power: 48 VDC
Remarks:			

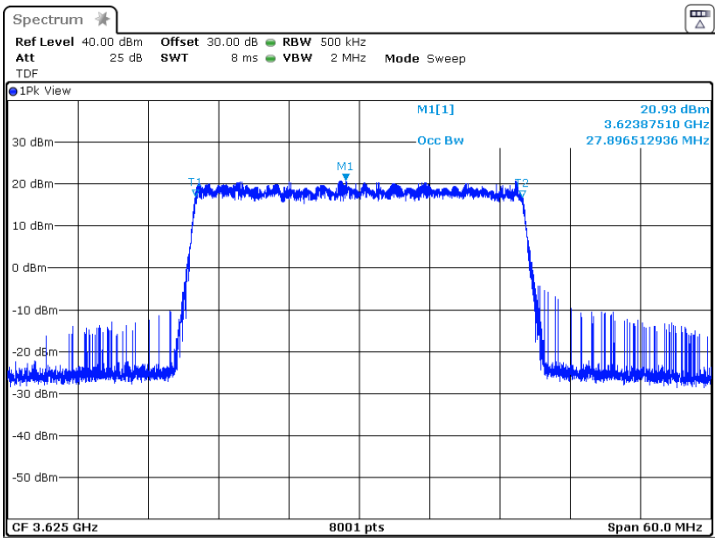
Plot 7.3.19 Occupied bandwidth test result at mid frequency

MODULATION: 64QAM
CHANNEL SPACING: 30 MHz
ANTENNA CHAIN: 1



Plot 7.3.20 Occupied bandwidth test result at mid frequency

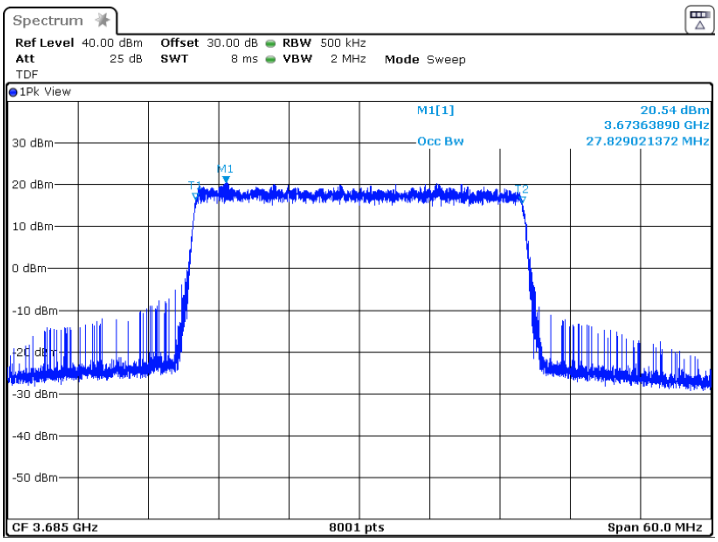
MODULATION: 256QAM
CHANNEL SPACING: 30 MHz
ANTENNA CHAIN: 1



Test specification:	Section2.1049, Occupied bandwidth		
Test procedure:	47 CFR, Section 2.1049		
Test mode:	Compliance	Verdict:	PASS
Date(s):	5-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1010 hPa	Power: 48 VDC
Remarks:			

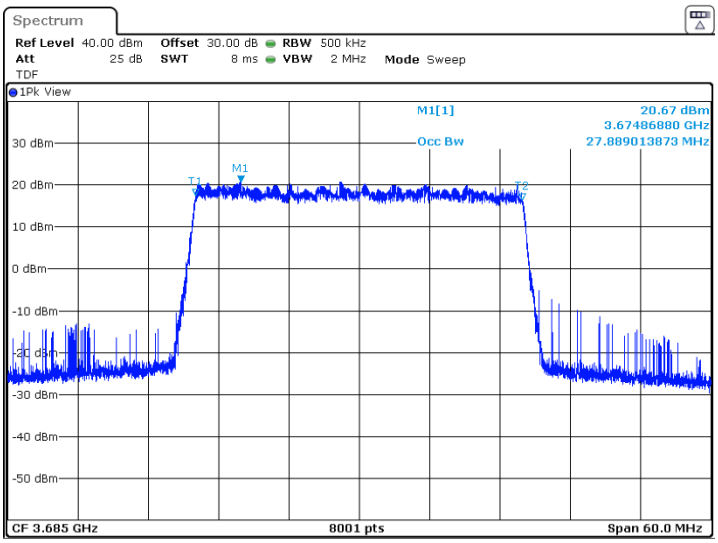
Plot 7.3.21 Occupied bandwidth test result at high frequency

MODULATION: QPSK
CHANNEL SPACING: 30 MHz
ANTENNA CHAIN: 1



Plot 7.3.22 Occupied bandwidth test result at high frequency

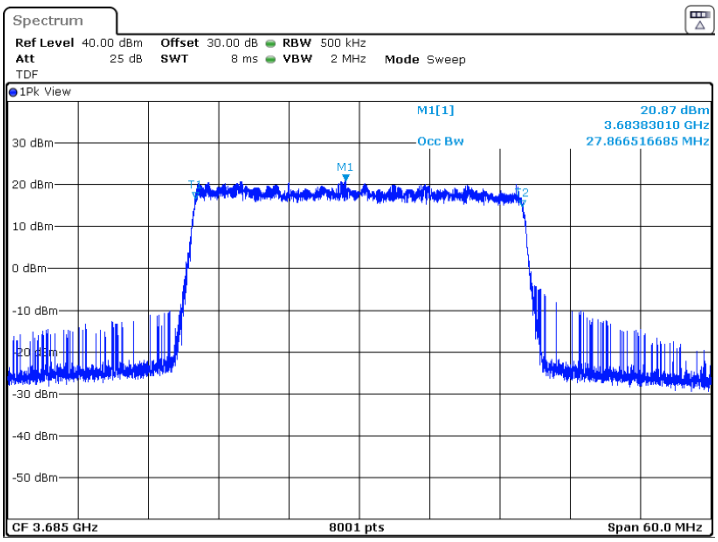
MODULATION: 16QAM
CHANNEL SPACING: 30 MHz
ANTENNA CHAIN: 1



Test specification:	Section2.1049, Occupied bandwidth		
Test procedure:	47 CFR, Section 2.1049		
Test mode:	Compliance	Verdict:	PASS
Date(s):	5-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1010 hPa	Power: 48 VDC
Remarks:			

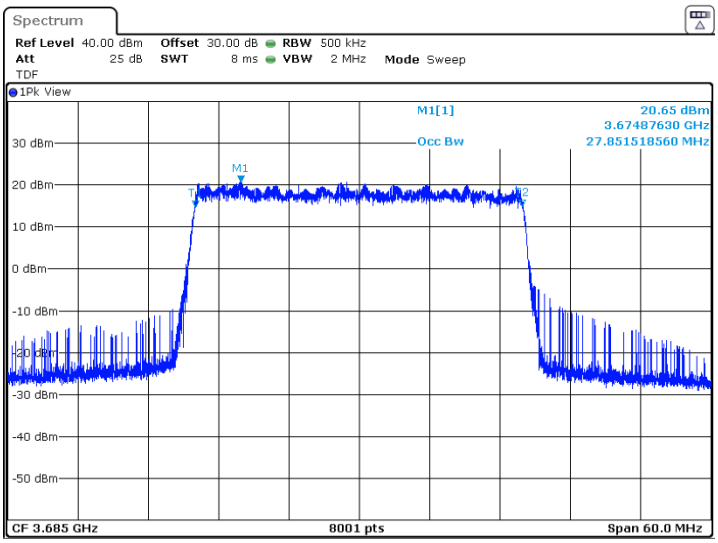
Plot 7.3.23 Occupied bandwidth test result at high frequency

MODULATION: 64QAM
CHANNEL SPACING: 30 MHz
ANTENNA CHAIN: 1



Plot 7.3.24 Occupied bandwidth test result at high frequency

MODULATION: 256QAM
CHANNEL SPACING: 30 MHz
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):	14-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

7.4 Emission mask test

7.4.1 General

This test was performed to measure emission mask at RF antenna connector. Specification test limits are given in Table 7.4.1.

Table 7.4.1 Emission mask 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 30 MHz		
0 – 1 MHz	- 13.0	500
0 – 10 MHz	- 13.0	1000
10 – 20 MHz	- 25.0	1000
Above 3530 MHz and below 3720 MHz	- 25.0	1000
Below 3530 MHz and above 3720 MHz	- 40.0	1000

* - Limit at each antenna connector (amount of antennas N = 4)

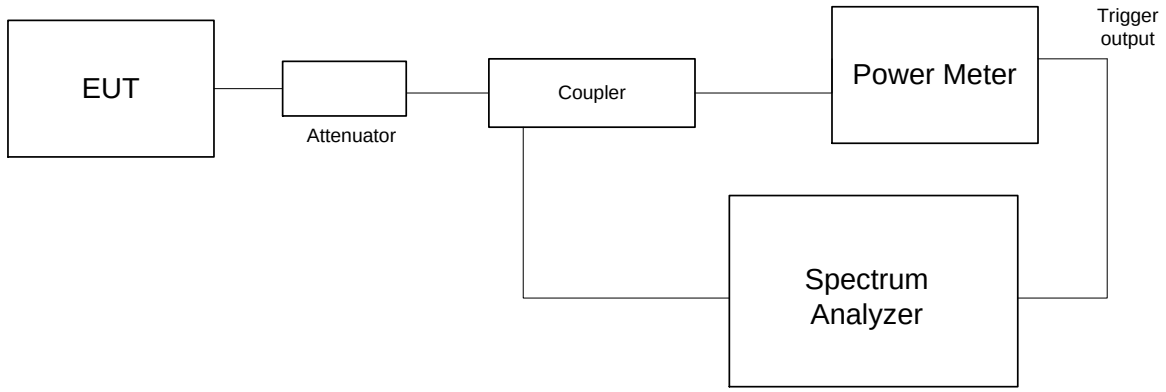
7.4.2 Test procedure

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 the associated tables and plots.

Test specification:	Section 96.41(e), Emission mask		
Test procedure:	Section 96.41(e)(3)		
Test mode:	Compliance	Verdict:	PASS
Date(s):	14-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

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):	14-Dec-21		
Temperature: 25 ºC	**Relative Humidity:** 54 %	**Air Pressure:** 1011 hPa	**Power:** 48 VDC
Remarks:			

Table 7.4.2 Emission outside the fundamental test results

ASSIGNED FREQUENCY RANGE: 3550.0 –3700.0 MHz
DETECTOR USED: Average (gated)
VIDEO BANDWIDTH: ≥ Resolution bandwidth
NUMBER OF CHAINS: 4
ANTENNA PORT: Worst case
CHANEL SPACING: 10 MHz
MODULATION: QPSK

Frequency MHz	Band edge	SA reading over 1 chain, dBm	Total band edge*, dBm	RBW, kHz	Limit, dBm	Margin, dB	Verdict
Low frequency 3555.0 MHz							
3530.00	Low	-46.97	-40.97	1000	-40	-0.97	Pass
3540.00	Low	-36.50	-30.50	1000	-25	-5.50	
3549.00	Low	-21.82	-15.82	1000	-13	-2.82	
3550.00	Low	-31.57	-25.57	100	-13	-12.57	
3560.00	High	-21.20	-15.20	100	-13	-2.20	
3561.00	High	-19.23	-13.23	1000	-13	-0.23	
3570.00	High	-32.19	-26.19	1000	-25	-1.19	
3720.00	High	-46.85	-40.85	1000	-40	-0.85	
Mid frequency 3625.0 MHz							
3530.00	Low	-46.94	-40.94	1000	-40	-0.94	Pass
3610.00	Low	-34.79	-28.79	1000	-25	-3.79	
3619.00	Low	-20.09	-14.09	1000	-13	-1.09	
3620.00	Low	-27.74	-21.74	100	-13	-8.74	
3630.00	High	-25.46	-19.46	100	-13	-6.46	
3631.00	High	-19.50	-13.50	1000	-13	-0.50	
3640.00	High	-34.63	-28.63	1000	-25	-3.63	
3720.00	High	-46.74	-40.74	1000	-40	-0.74	
High frequency 3695.0 MHz							
3530.00	Low	-51.31	-45.31	1000	-40	-5.31	Pass
3680.00	Low	-33.33	-27.33	1000	-25	-2.33	
3689.00	Low	-21.40	-15.40	1000	-13	-2.40	
3690.00	Low	-28.32	-22.32	100	-13	-9.32	
3700.00	High	-27.67	-21.67	100	-13	-8.67	
3701.00	High	-19.59	-13.59	1000	-13	-0.59	
3710.00	High	-36.73	-30.73	1000	-25	-5.73	
3720.00	High	-47.66	-41.66	1000	-40	-1.66	

Test specification:	**Section 96.41(e), Emission mask**		
Test procedure:	Section 96.41(e)(3)		
Test mode:	Compliance	**Verdict:**	PASS
Date(s):	14-Dec-21		
Temperature: 25 ºC	**Relative Humidity:** 54 %	**Air Pressure:** 1011 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)
VIDEO BANDWIDTH: ≥ Resolution bandwidth
NUMBER OF CHAINS: 4
ANTENNA PORT: Worst case
CHANEL SPACING: 10 MHz
MODULATION: 256QAM

Frequency MHz	Band edge	SA reading over 1 chain, dBm	Total band edge*, dBm	RBW, kHz	Limit, dBm	Margin, dB	Verdict
Low frequency 3555.0 MHz							
3530.00	Low	-46.92	-40.92	1000	-40	-0.92	Pass
3540.00	Low	-36.89	-30.89	1000	-25	-5.89	
3549.00	Low	-21.99	-15.99	1000	-13	-2.99	
3550.00	Low	-31.49	-25.49	100	-13	-12.49	
3560.00	High	-24.02	-18.02	100	-13	-5.02	
3561.00	High	-19.69	-13.69	1000	-13	-0.69	
3570.00	High	-32.56	-26.56	1000	-25	-1.56	
3720.00	High	-46.99	-40.99	1000	-40	-0.99	
Mid frequency 3625.0 MHz							
3530.00	Low	-47.16	-41.16	1000	-40	-1.16	Pass
3610.00	Low	-34.59	-28.59	1000	-25	-3.59	
3619.00	Low	-20.84	-14.84	1000	-13	-1.84	
3620.00	Low	-28.21	-22.21	100	-13	-9.21	
3630.00	High	-26.45	-20.45	100	-13	-7.45	
3631.00	High	-19.65	-13.65	1000	-13	-0.65	
3640.00	High	-33.67	-27.67	1000	-25	-2.67	
3720.00	High	-46.51	-40.51	1000	-40	-0.51	
High frequency 3695.0 MHz							
3530.00	Low	-51.22	-45.22	1000	-40	-5.22	Pass
3680.00	Low	-33.83	-27.83	1000	-25	-2.83	
3689.00	Low	-21.55	-15.55	1000	-13	-2.55	
3690.00	Low	-28.46	-22.46	100	-13	-9.46	
3700.00	High	-27.70	-21.70	100	-13	-8.70	
3701.00	High	-19.64	-13.64	1000	-13	-0.64	
3710.00	High	-36.76	-30.76	1000	-25	-5.76	
3720.00	High	-47.90	-41.90	1000	-40	-1.90	

* - SA Reading over 1 chain = Max SA reading (Chains #1&2 and #3&4)
** - Total band edge = Maximum SA Reading over 1 chain + 10*log(N) = SA reading +6 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):	14-Dec-21		
Temperature: 25 ºC	**Relative Humidity:** 54 %	**Air Pressure:** 1011 hPa	**Power:** 48 VDC
Remarks:			

Table 7.4.4 Emission outside the fundamental test results

ASSIGNED FREQUENCY RANGE: 3550.0 –3700.0 MHz
DETECTOR USED: Average (gated)
VIDEO BANDWIDTH: ≥ Resolution bandwidth
NUMBER OF CHAINS: 4
ANTENNA PORT: Worst case
CHANEL SPACING: 30 MHz
MODULATION: QPSK

Frequency MHz	Band edge	SA reading over 1 chain, dBm	Total band edge*, dBm	RBW, kHz	Limit, dBm	Margin, dB	Verdict
Low frequency 3565.0 MHz							
3530.00	Low	-46.36	-40.36	1000	-40	-0.36	Pass
3540.00	Low	-33.48	-27.48	1000	-25	-2.48	
3549.00	Low	-24.42	-18.42	1000	-13	-5.42	
3550.00	Low	-20.11	-14.11	500	-13	-1.11	
3580.00	High	-21.50	-15.50	500	-13	-2.50	
3581.00	High	-25.42	-19.42	1000	-13	-6.42	
3590.00	High	-31.10	-25.10	1000	-25	-0.10	
3720.00	High	-49.04	-43.04	1000	-40	-3.04	
Mid frequency 3625.0 MHz							
3530.00	Low	-49.93	-43.93	1000	-40	-3.93	Pass
3600.00	Low	-31.49	-25.49	1000	-25	-0.49	
3609.00	Low	-27.98	-21.98	1000	-13	-8.98	
3610.00	Low	-22.53	-16.53	500	-13	-3.53	
3640.00	High	-19.16	-13.16	500	-13	-0.16	
3641.00	High	-26.84	-20.84	1000	-13	-7.84	
3650.00	High	-31.10	-25.10	1000	-25	-0.10	
3720.00	High	-49.04	-43.04	1000	-40	-3.04	
High frequency 3685.0 MHz							
3530.00	Low	-49.93	-43.93	1000	-40	-3.93	Pass
3660.00	Low	-34.43	-28.43	1000	-25	-3.43	
3669.00	Low	-27.51	-21.51	1000	-13	-8.51	
3670.00	Low	-22.95	-16.95	500	-13	-3.95	
3700.00	High	-19.02	-13.02	500	-13	-0.02	
3701.00	High	-28.52	-22.52	1000	-13	-9.52	
3710.00	High	-36.43	-30.43	1000	-25	-5.43	
3720.00	High	-46.17	-40.17	1000	-40	-0.17	

Test specification:	**Section 96.41(e), Emission mask**		
Test procedure:	Section 96.41(e)(3)		
Test mode:	Compliance	**Verdict:**	PASS
Date(s):	14-Dec-21		
Temperature: 25 ºC	**Relative Humidity:** 54 %	**Air Pressure:** 1011 hPa	**Power:** 48 VDC
Remarks:			

Table 7.4.5 Emission outside the fundamental test results

ASSIGNED FREQUENCY RANGE: 3550.0 –3700.0 MHz
DETECTOR USED: Average (gated)
VIDEO BANDWIDTH: ≥ Resolution bandwidth
NUMBER OF CHAINS: 4
ANTENNA PORT: Worst case
CHANEL SPACING: 30 MHz
MODULATION: 256QAM

Frequency MHz	Band edge	SA reading over 1 chain, dBm	Total band edge*, dBm	RBW, kHz	Limit, dBm	Margin, dB	Verdict
Low frequency 3565.0 MHz							
3530.00	Low	-49.62	-43.62	1000	-40	-3.62	Pass
3540.00	Low	-32.17	-26.17	1000	-25	-1.17	
3549.00	Low	-29.52	-23.52	1000	-13	-10.52	
3550.00	Low	-21.79	-15.79	500	-13	-2.79	
3580.00	High	-19.14	-13.14	500	-13	-0.14	
3581.00	High	-28.78	-22.78	1000	-13	-9.78	
3590.00	High	-32.87	-26.87	1000	-25	-1.87	
3720.00	High	-48.95	-42.95	1000	-40	-2.95	
Mid frequency 3625.0 MHz							
3530.00	Low	-49.62	-43.62	1000	-40	-3.62	Pass
3600.00	Low	-32.17	-26.17	1000	-25	-1.17	
3609.00	Low	-29.27	-23.27	1000	-13	-10.27	
3610.00	Low	-21.79	-15.79	500	-13	-2.79	
3640.00	High	-19.14	-13.14	500	-13	-0.14	
3641.00	High	-27.88	-21.88	1000	-13	-8.88	
3650.00	High	-32.87	-26.87	1000	-25	-1.87	
3720.00	High	-48.95	-42.95	1000	-40	-2.95	
High frequency 3685.0 MHz							
3530.00	Low	-49.96	-43.96	1000	-40	-3.96	Pass
3660.00	Low	-32.60	-26.60	1000	-25	-1.60	
3669.00	Low	-26.58	-20.58	1000	-13	-7.58	
3670.00	Low	-20.93	-14.93	500	-13	-1.93	
3700.00	High	-20.74	-14.74	500	-13	-1.74	
3701.00	High	-27.56	-21.56	1000	-13	-8.56	
3710.00	High	-35.72	-29.72	1000	-25	-4.72	
3720.00	High	-46.01	-40.01	1000	-40	-0.01	

* - SA Reading over 1 chain = Max SA reading (Chains #1&2 and #3&4)
** - Total band edge = Maximum SA Reading over 1 chain + 10*log(N) = SA reading +6 dB
*** - Margin = Total band edge – Specification limit

Reference numbers of test equipment used

HL 3301	HL 4355	HL 4366	HL 4425	HL 5409	HL 5636	HL 5637	HL 5642
HL 5643							

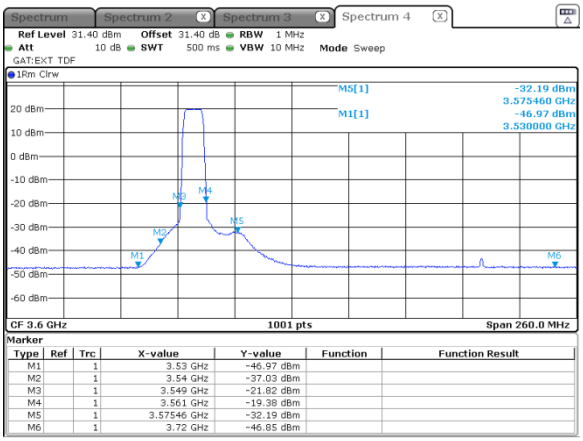
Full description is given in Appendix A.

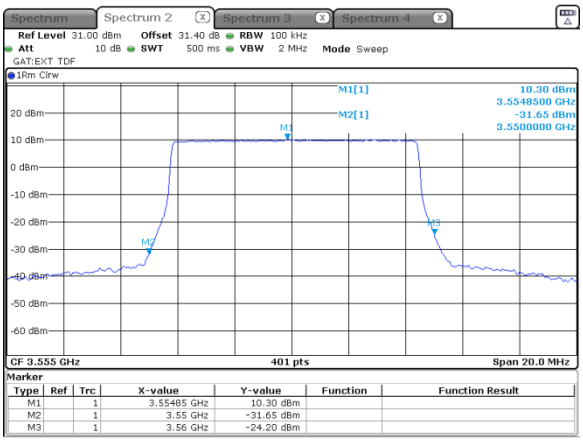
Test specification:	Section 96.41(e), Emission mask		
Test procedure:	Section 96.41(e)(3)		
Test mode:	Compliance	Verdict:	PASS
Date(s):	14-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.1 Emission outside the fundamental test results at low carrier frequency

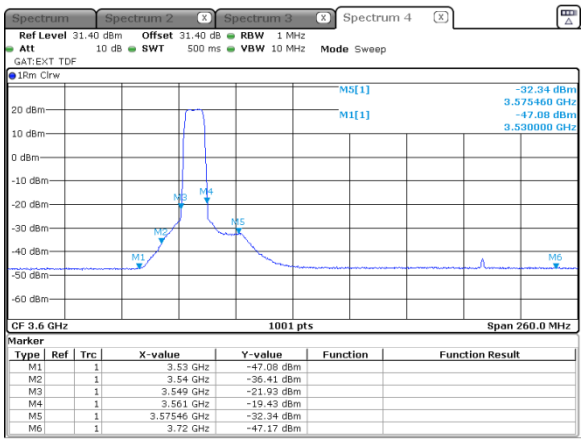
CHANNEL SPACING: 10 MHz
ANTENNA CHAIN: 1

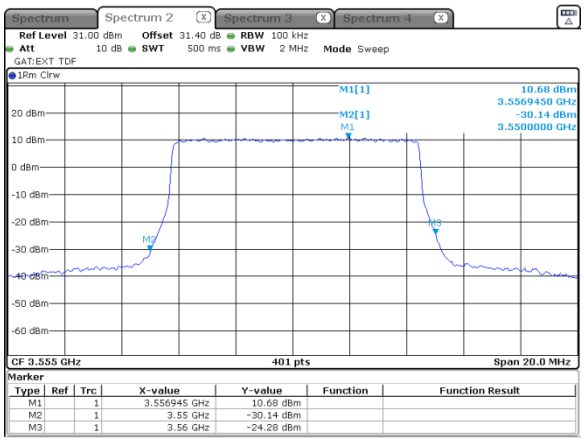
Modulation: QPSK





Modulation: 16QAM

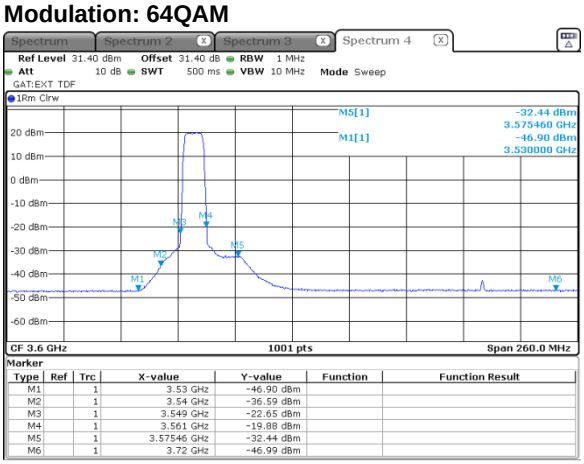




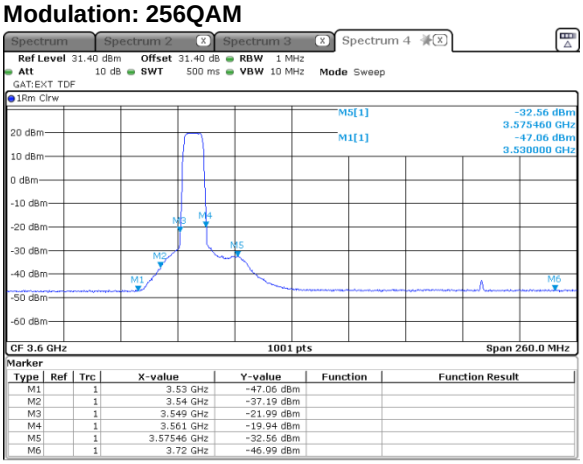
Test specification:	Section 96.41(e), Emission mask		
Test procedure:	Section 96.41(e)(3)		
Test mode:	Compliance	Verdict:	PASS
Date(s):	14-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

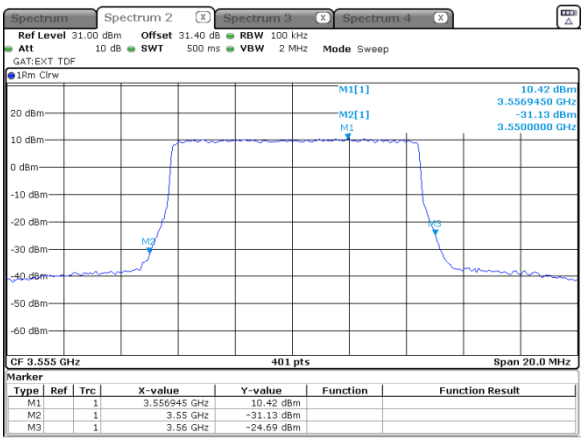
Plot 7.4.2 Emission outside the fundamental test results at low carrier frequency

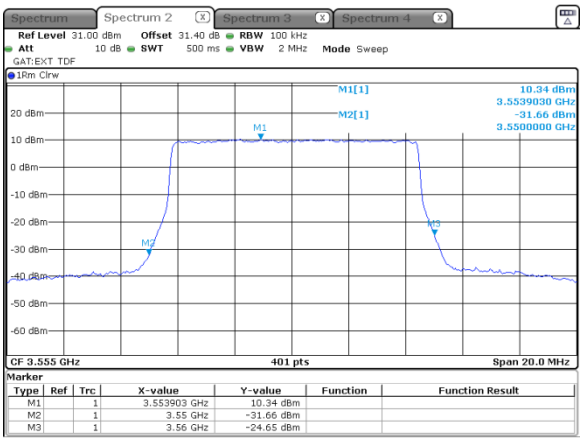
CHANNEL SPACING: 10 MHz
ANTENNA CHAIN: 1
Modulation: 64QAM



Modulation: 256QAM





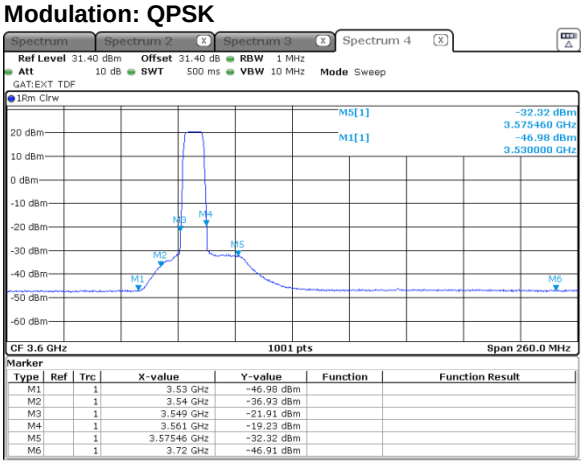


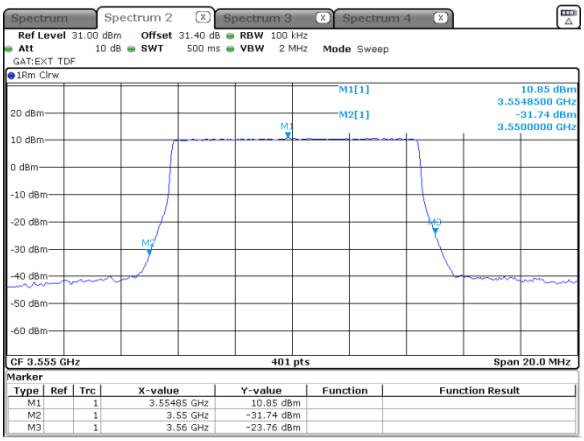
Test specification:	Section 96.41(e), Emission mask		
Test procedure:	Section 96.41(e)(3)		
Test mode:	Compliance	Verdict:	PASS
Date(s):	14-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.3 Emission outside the fundamental test results at low carrier frequency

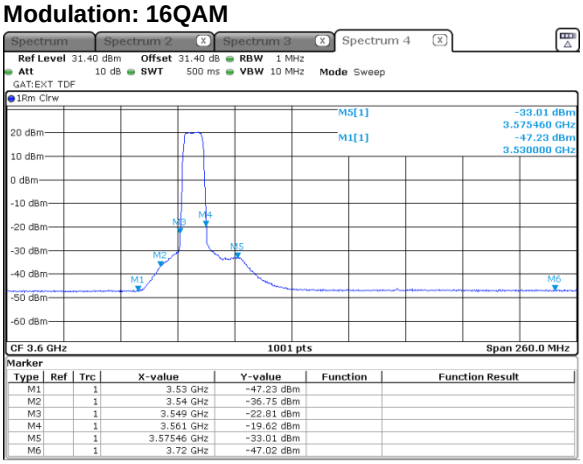
CHANNEL SPACING: 10 MHz
ANTENNA CHAIN: 2

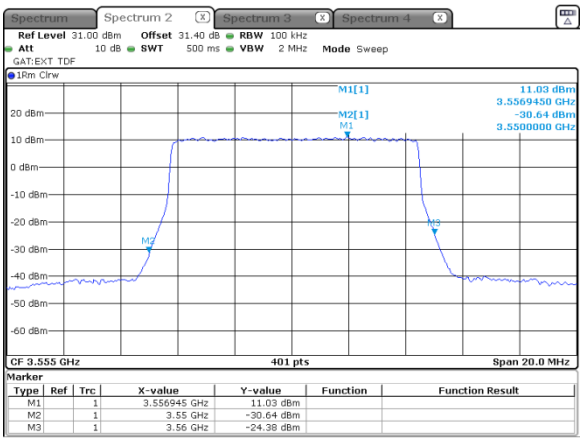
Modulation: QPSK





Modulation: 16QAM

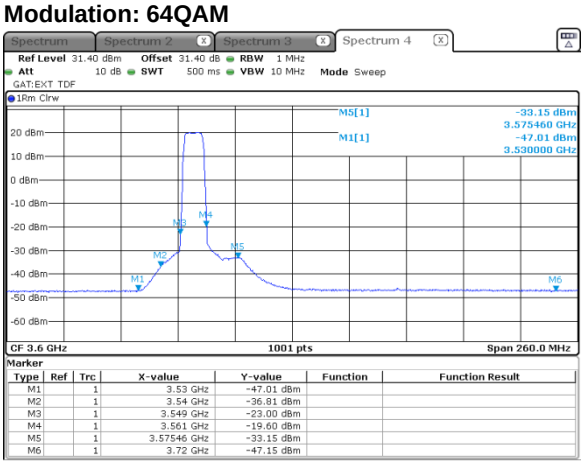


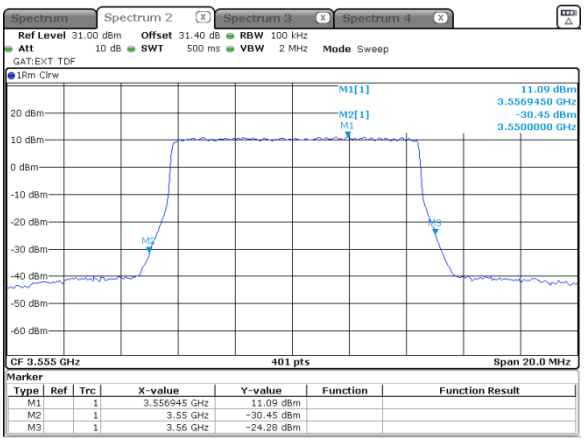


Test specification:	Section 96.41(e), Emission mask		
Test procedure:	Section 96.41(e)(3)		
Test mode:	Compliance	Verdict:	PASS
Date(s):	14-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

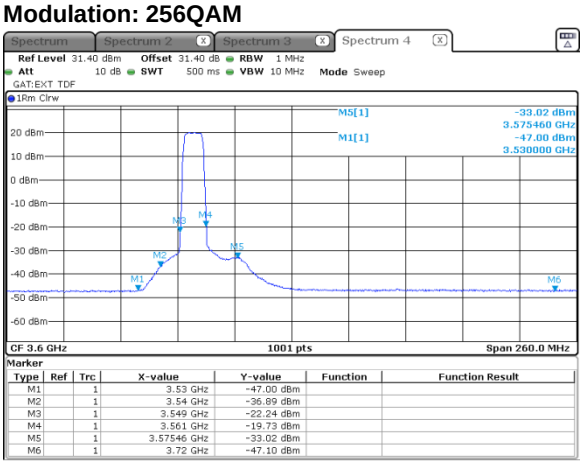
Plot 7.4.4 Emission outside the fundamental test results at low carrier frequency

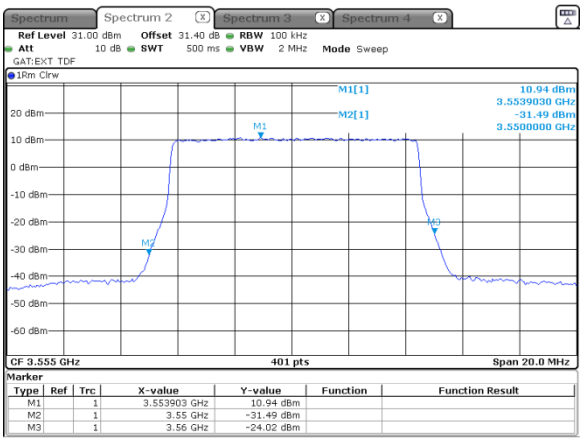
CHANNEL SPACING: 10 MHz
ANTENNA CHAIN: 2
Modulation: 64QAM





Modulation: 256QAM



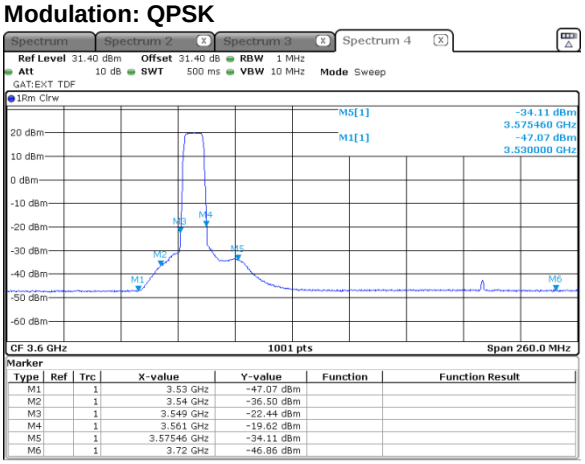


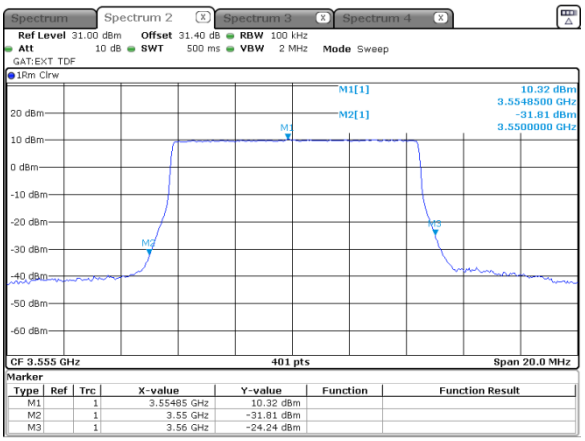
Test specification:	Section 96.41(e), Emission mask		
Test procedure:	Section 96.41(e)(3)		
Test mode:	Compliance	Verdict:	PASS
Date(s):	14-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.5 Emission outside the fundamental test results at low carrier frequency

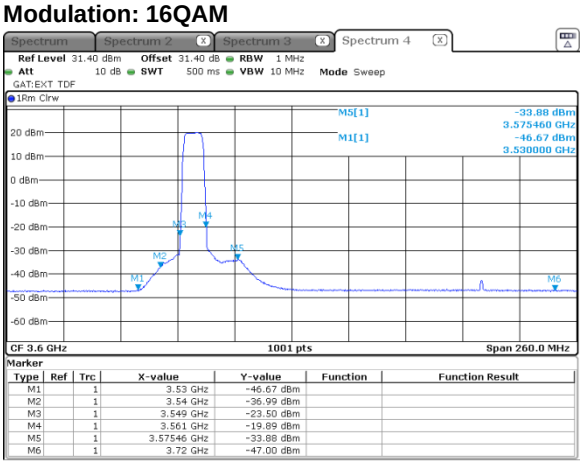
CHANNEL SPACING: 10 MHz
ANTENNA CHAIN: 3

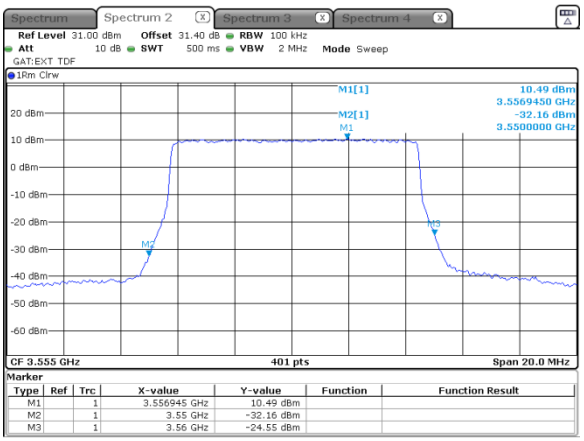
Modulation: QPSK





Modulation: 16QAM

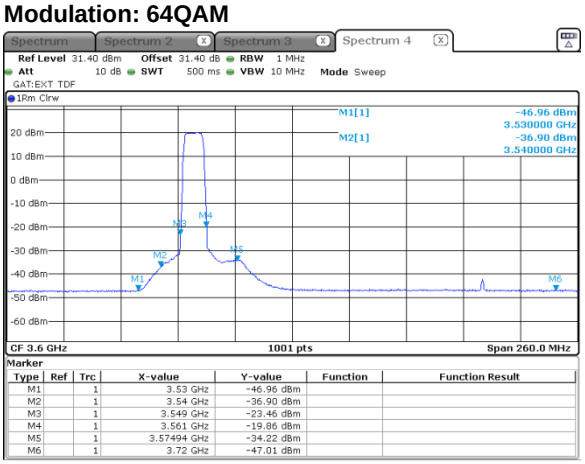




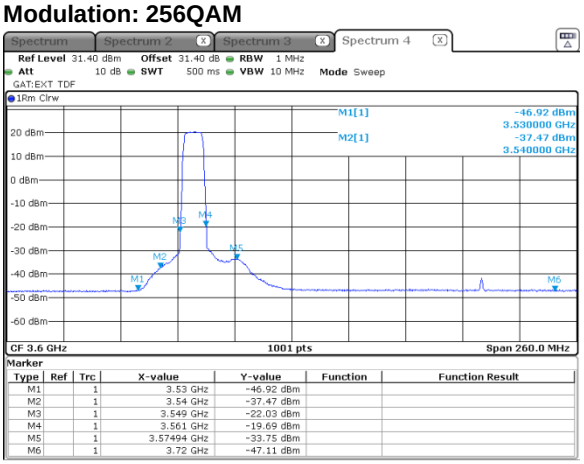
Test specification:	Section 96.41(e), Emission mask		
Test procedure:	Section 96.41(e)(3)		
Test mode:	Compliance	Verdict:	PASS
Date(s):	14-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

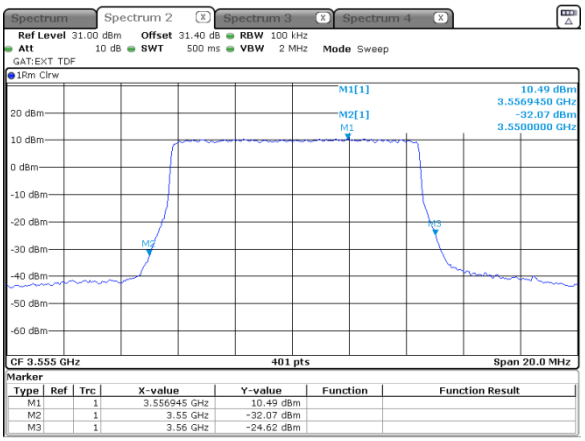
Plot 7.4.6 Emission outside the fundamental test results at low carrier frequency

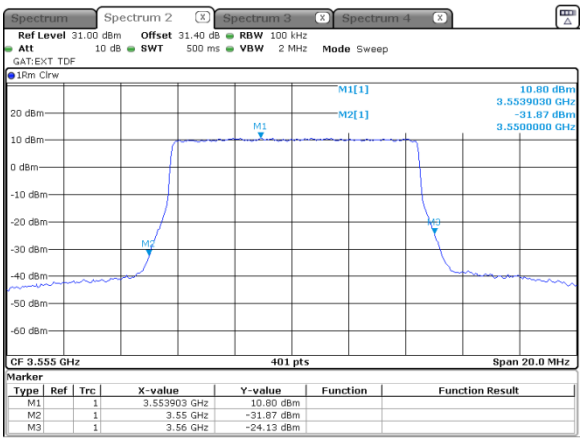
CHANNEL SPACING: 10 MHz
ANTENNA CHAIN: 3
Modulation: 64QAM



Modulation: 256QAM



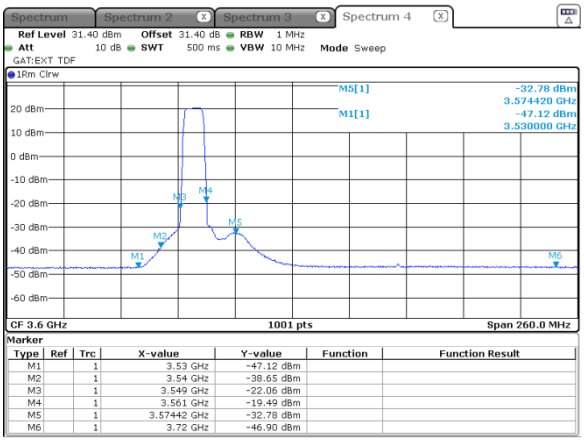


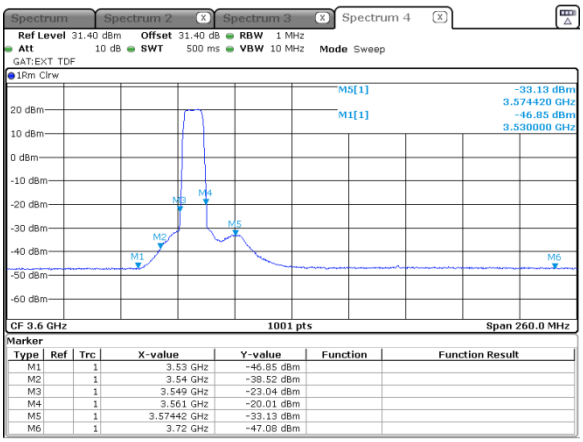


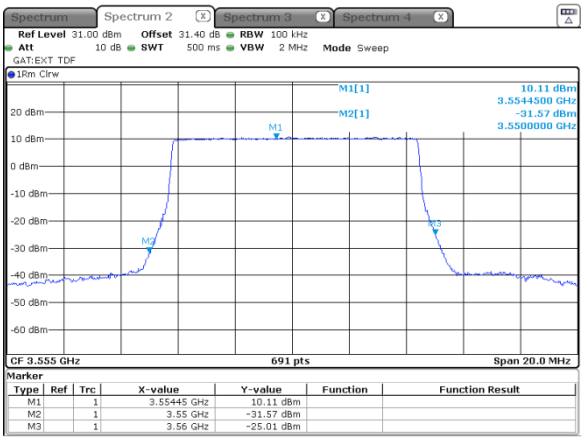
Test specification:	**Section 96.41(e), Emission mask**		
Test procedure:	Section 96.41(e)(3)		
Test mode:	Compliance	**Verdict:**	PASS
Date(s):	14-Dec-21		
Temperature: 25 ºC	**Relative Humidity:** 54 %	**Air Pressure:** 1011 hPa	**Power:** 48 VDC
Remarks:			

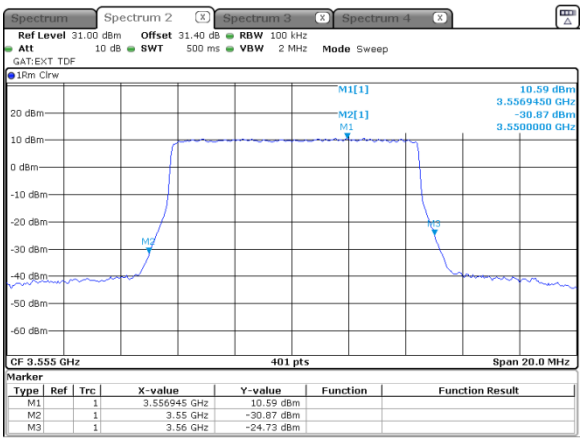
Plot 7.4.7 Emission outside the fundamental test results at low carrier frequency

CHANNEL SPACING: 10 MHz
ANTENNA CHAIN: 4
Modulation: QPSK **Modulation: 16QAM**





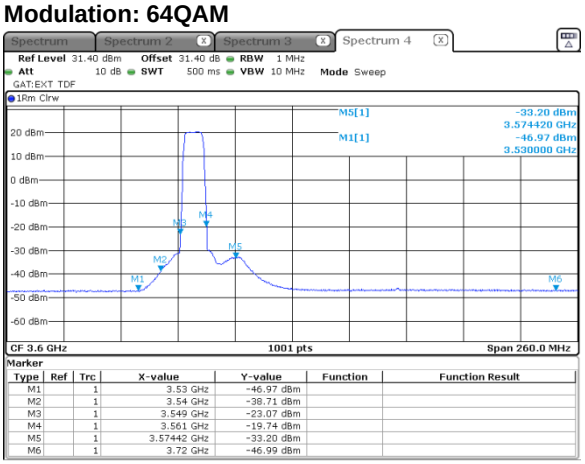




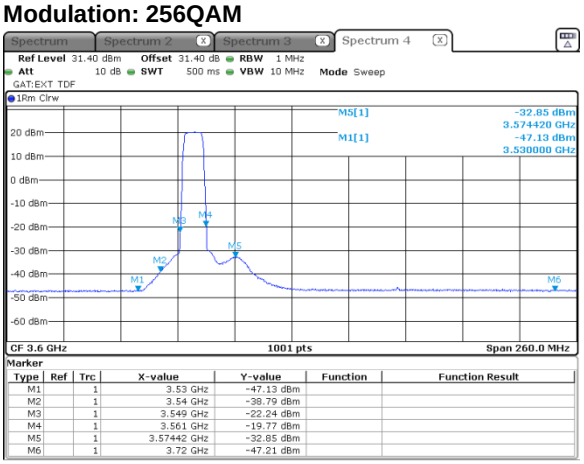
Test specification:	Section 96.41(e), Emission mask		
Test procedure:	Section 96.41(e)(3)		
Test mode:	Compliance	Verdict:	PASS
Date(s):	14-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

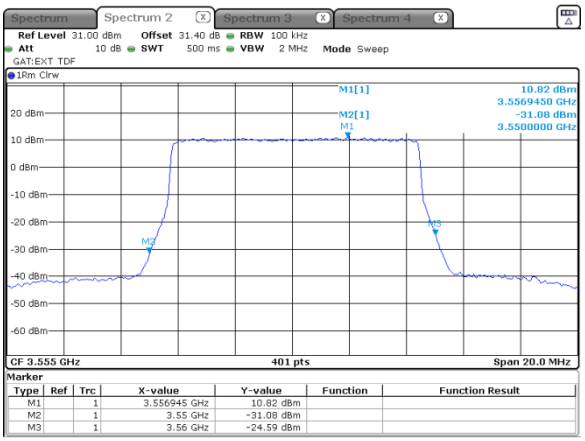
Plot 7.4.8 Emission outside the fundamental test results at low carrier frequency

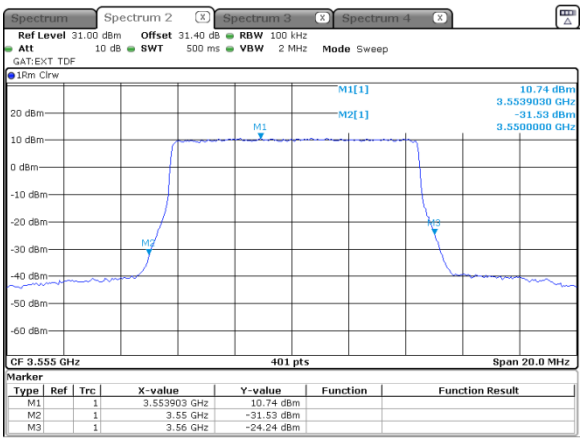
CHANNEL SPACING: 10 MHz
ANTENNA CHAIN: 4
Modulation: 64QAM



Modulation: 256QAM





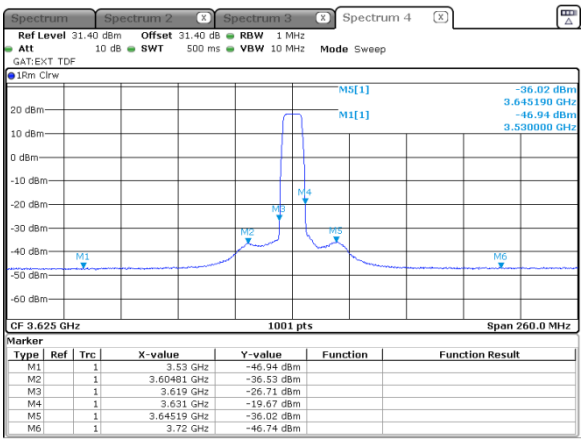


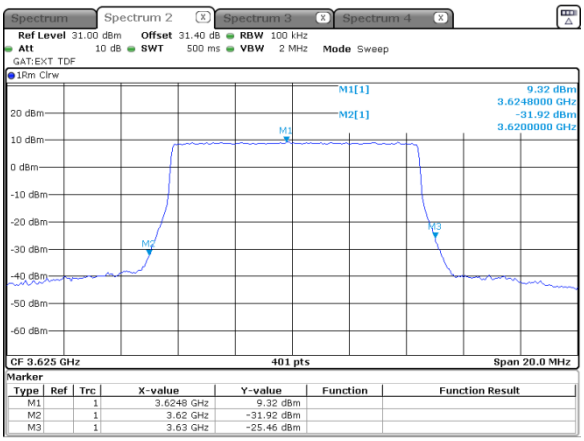
Test specification:	Section 96.41(e), Emission mask		
Test procedure:	Section 96.41(e)(3)		
Test mode:	Compliance	Verdict:	PASS
Date(s):	14-Dec-21		
Temperature: 25 ºC	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.9 Emission outside the fundamental test results at mid carrier frequency

CHANNEL SPACING: 10 MHz

Modulation: QPSK





Modulation: 16QAM