



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 °C	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)

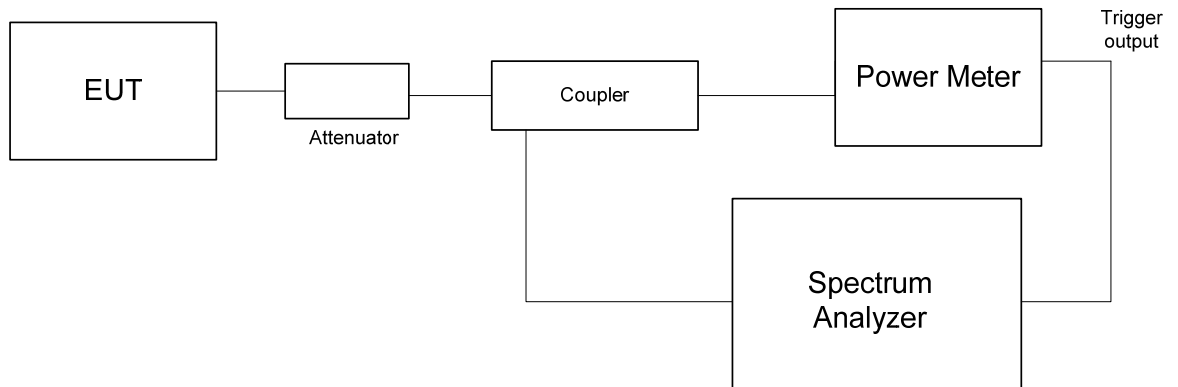
7.4.2 Test procedure

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:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	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:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	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
 CHANNEL SPACING: 10 MHz
 MODULATION: QPSK

MODEL 1000

40.00

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	



HERMON LABORATORIES

Test specification:		Section 96.41(e), Emission mask	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	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
 CHANNEL SPACING: 10 MHz
 MODULATION: 256QAM

MODEL: 4000

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



HERMON LABORATORIES

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 °C	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
 CHANNEL 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	



HERMON LABORATORIES

Test specification:		Section 96.41(e), Emission mask	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	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
 CHANNEL SPACING: 30 MHz
 MODULATION: 256QAM

MODEL: 2000-01

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							

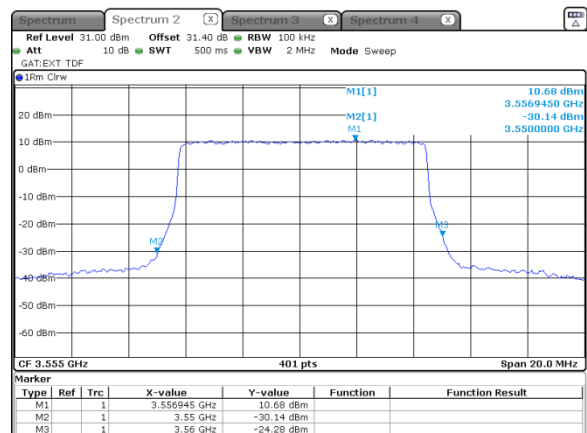
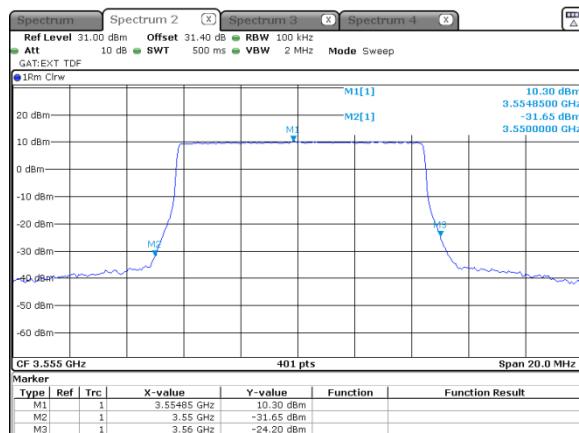
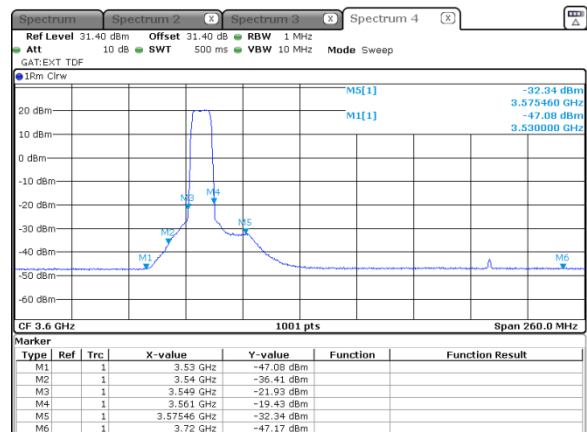
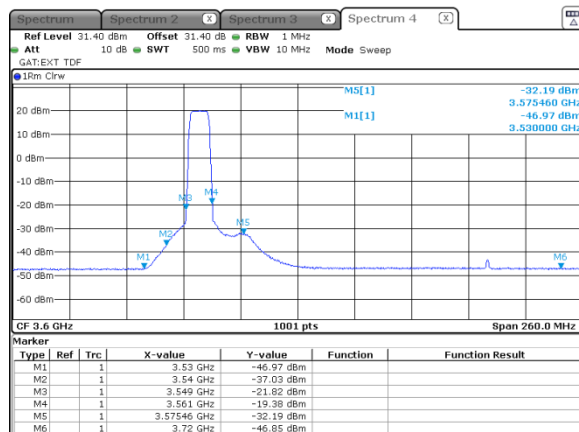
Full description is given in Appendix A.

Test specification:		Section 96.41(e), Emission mask	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	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:
ANTENNA CHAIN:
Modulation: QPSK

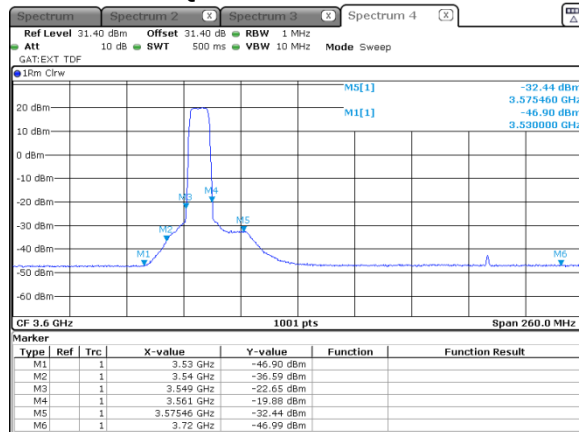
10 MHz
1
Modulation: 16QAM



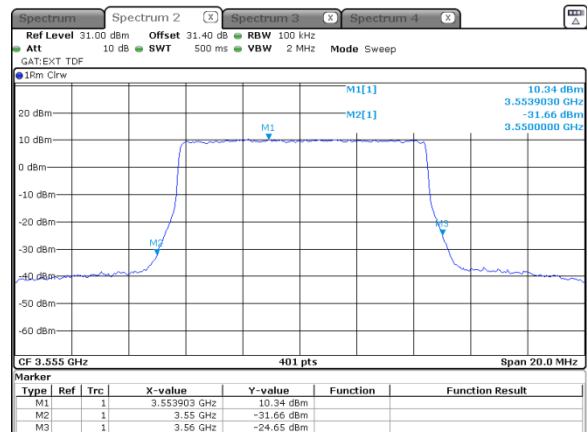
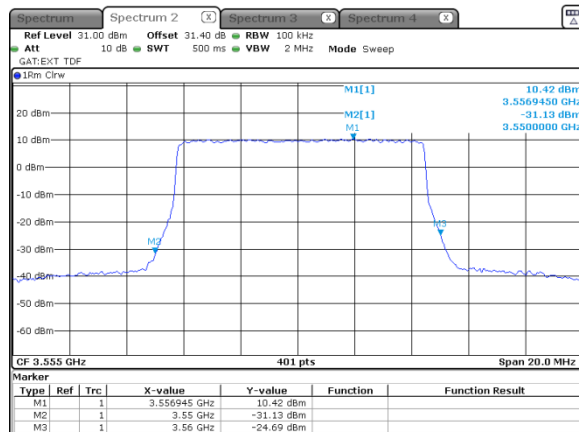
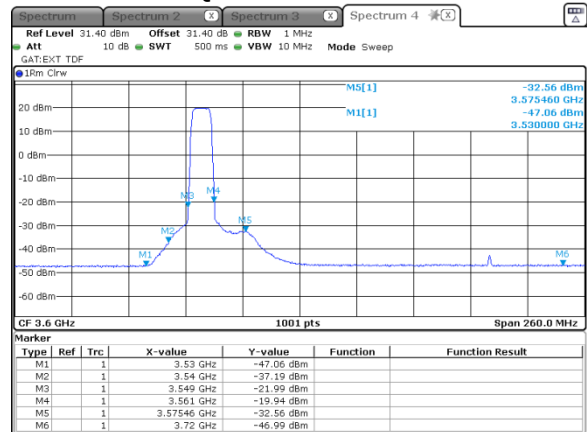
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Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

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

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation: 64QAM



10 MHz
1
Modulation: 256QAM



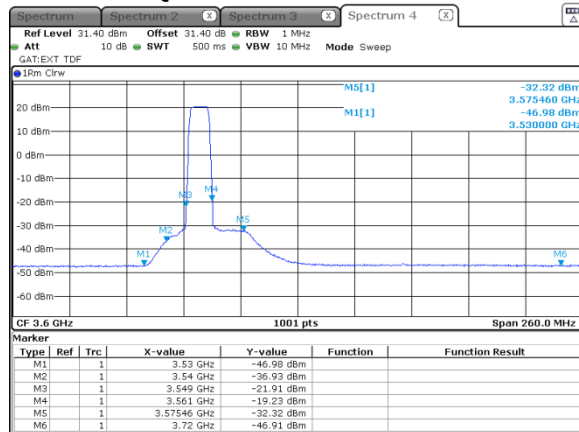
Test specification:		Section 96.41(e), Emission mask	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

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

CHANNEL SPACING:

ANTENNA CHAIN:

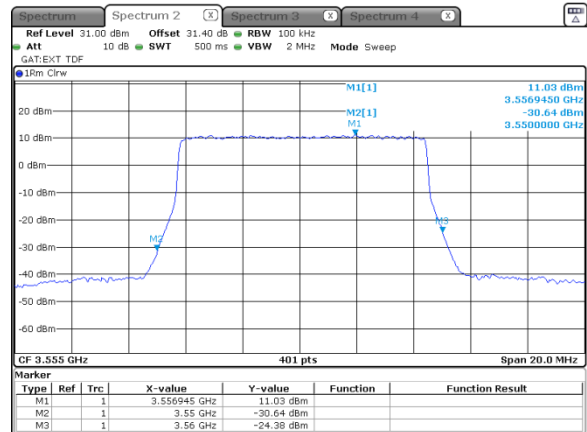
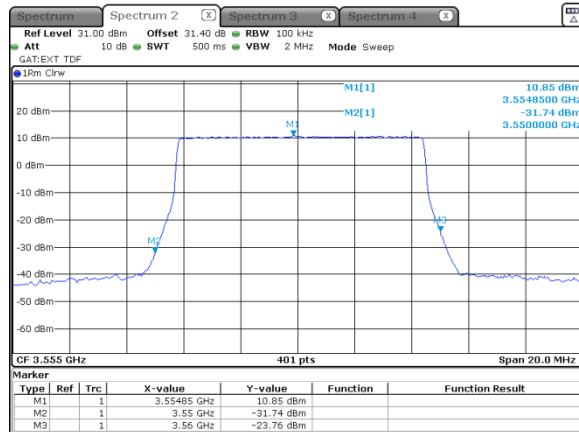
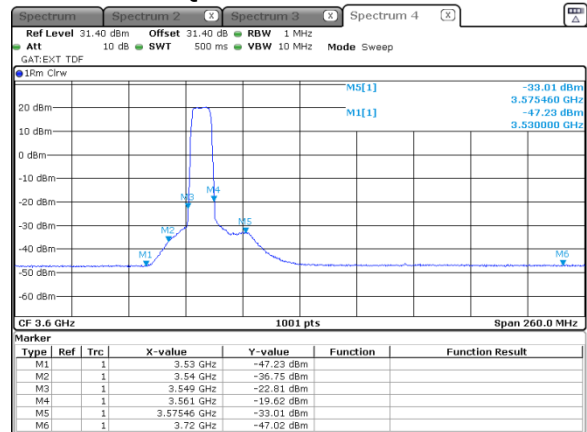
Modulation: QPSK



10 MHz

2

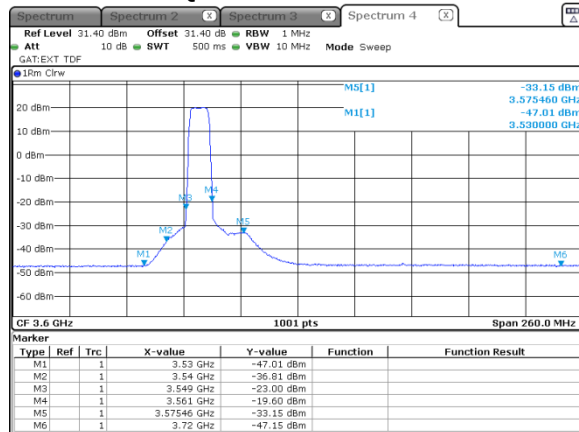
Modulation: 16QAM



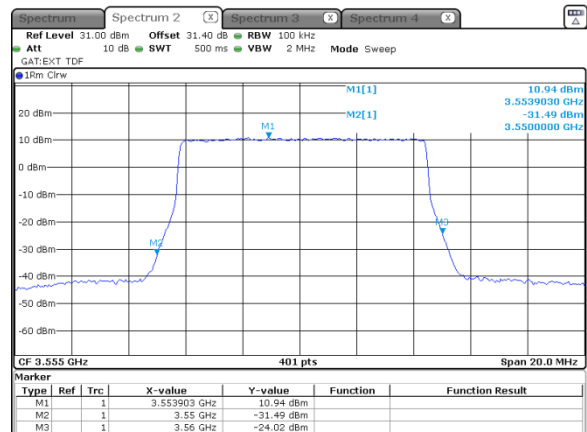
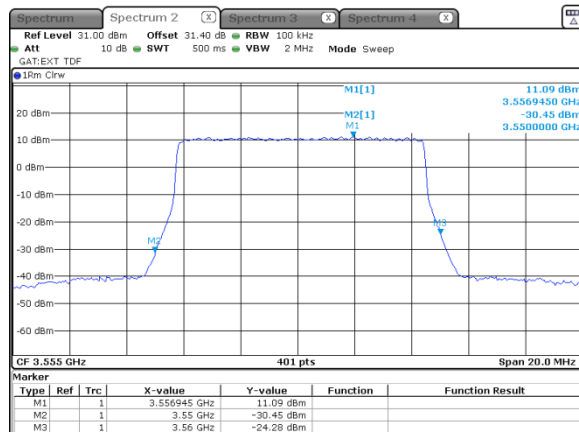
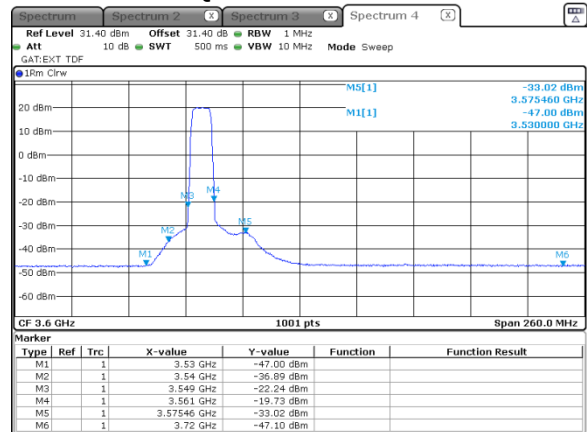
Test specification:		Section 96.41(e), Emission mask	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

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

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation: 64QAM



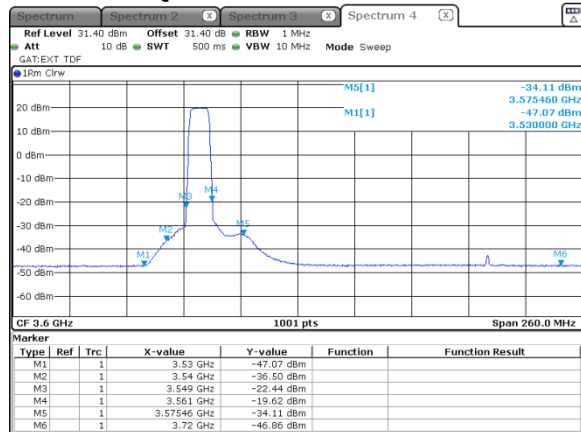
10 MHz
2
Modulation: 256QAM



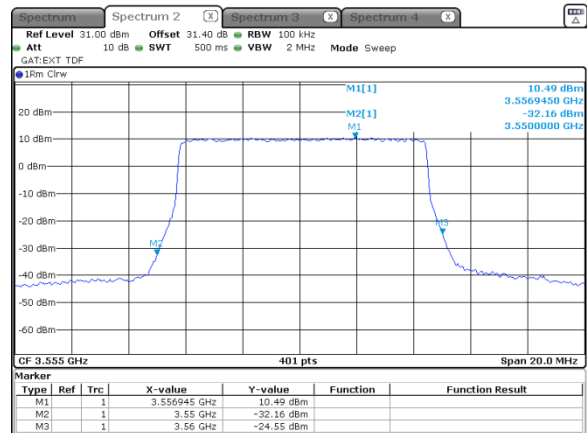
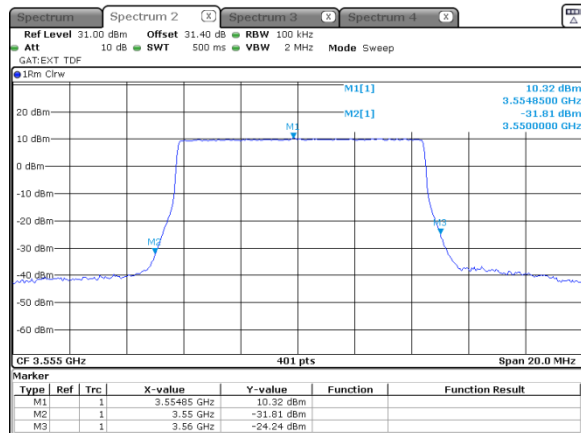
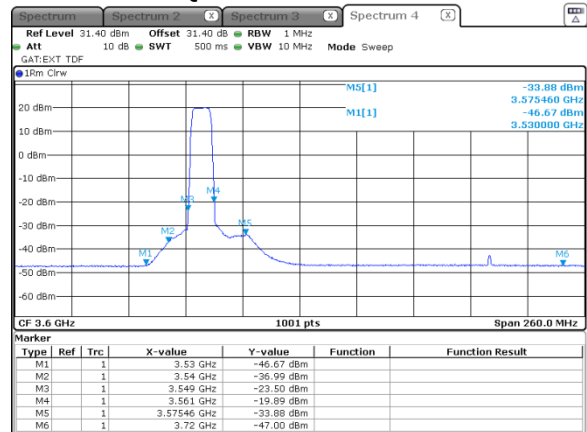
Test specification:		Section 96.41(e), Emission mask	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

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

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation: QPSK



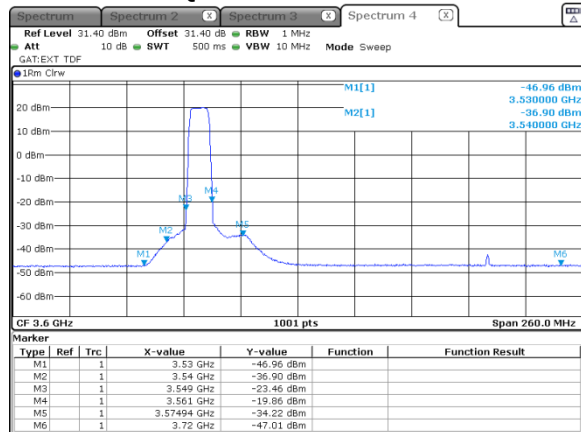
10 MHz
3
Modulation: 16QAM



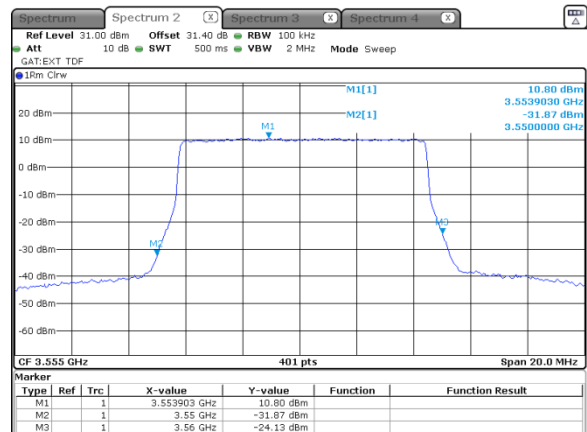
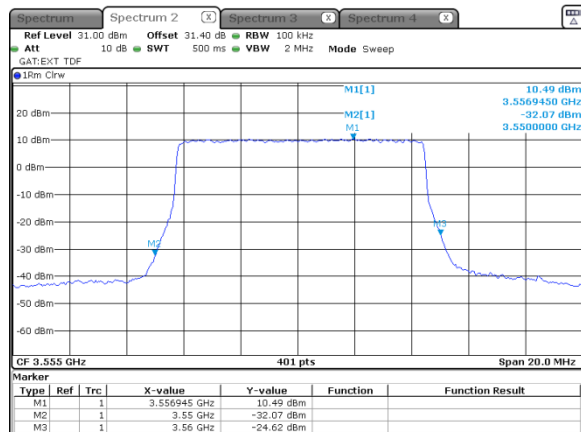
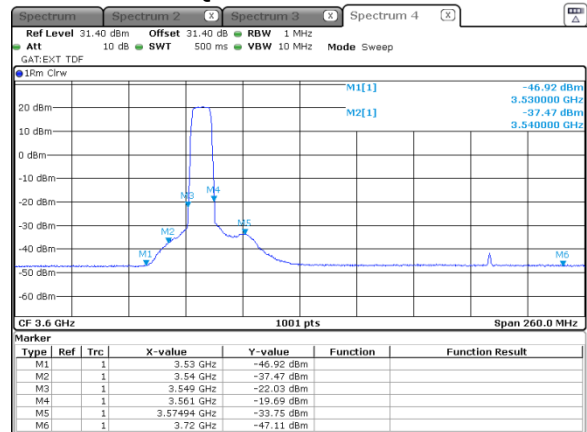
Test specification:		Section 96.41(e), Emission mask	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

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

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation: 64QAM



10 MHz
3
Modulation: 256QAM

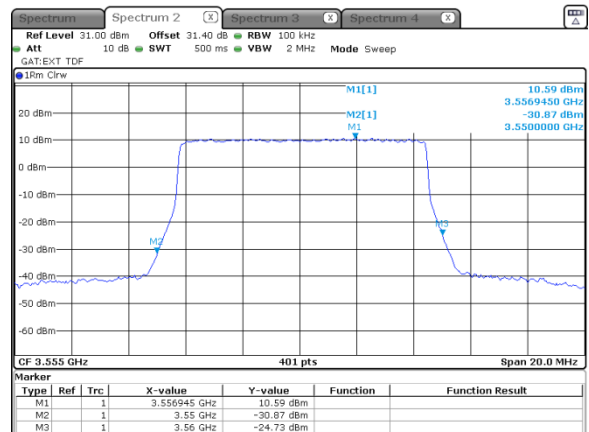
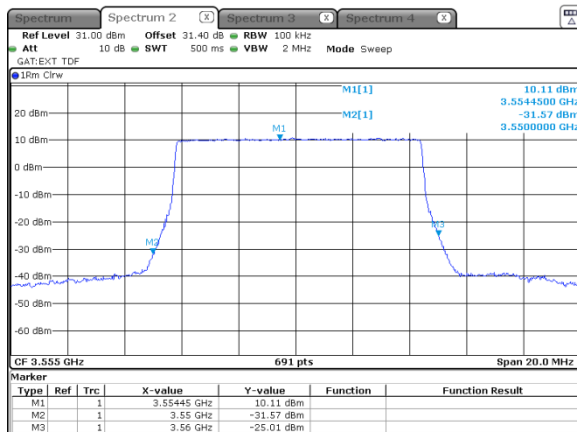
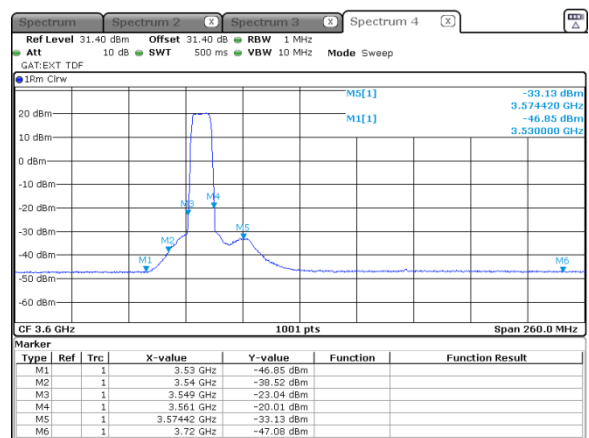
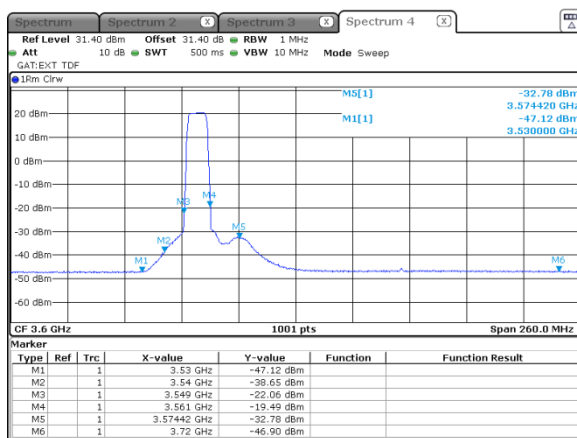


Test specification:		Section 96.41(e), Emission mask	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

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

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation: QPSK

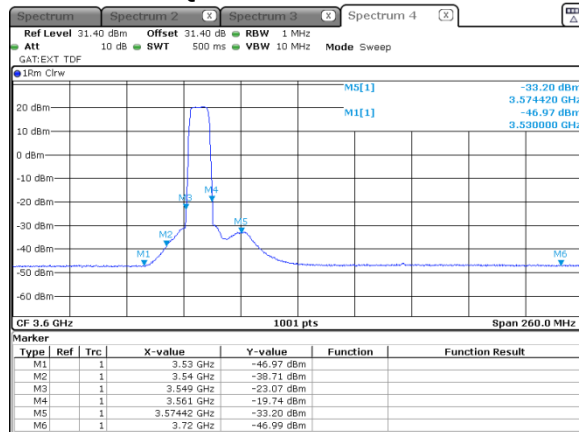
10 MHz
4
Modulation: 16QAM



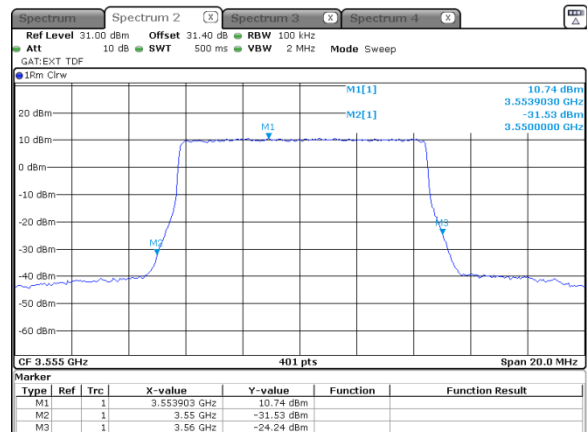
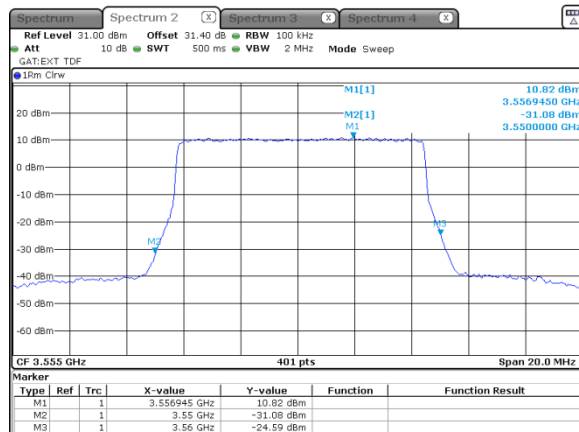
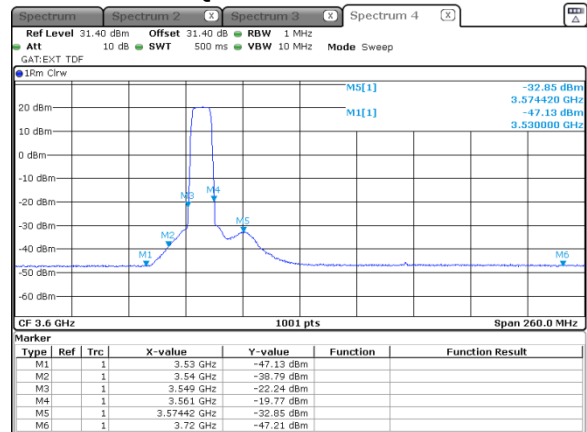
Test specification:		Section 96.41(e), Emission mask	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

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

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation: 64QAM



10 MHz
4
Modulation: 256QAM



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

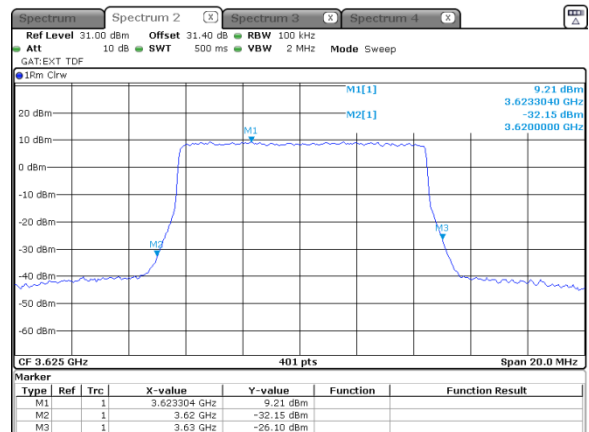
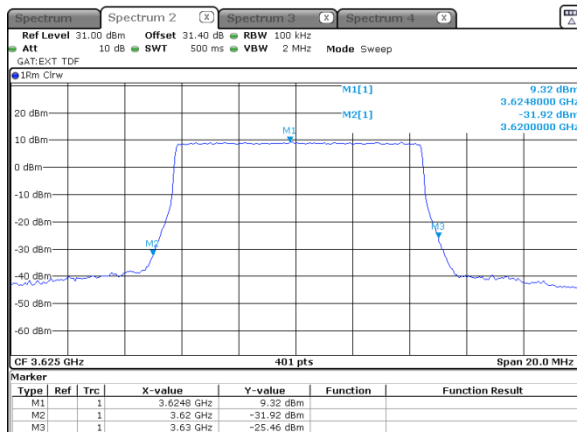
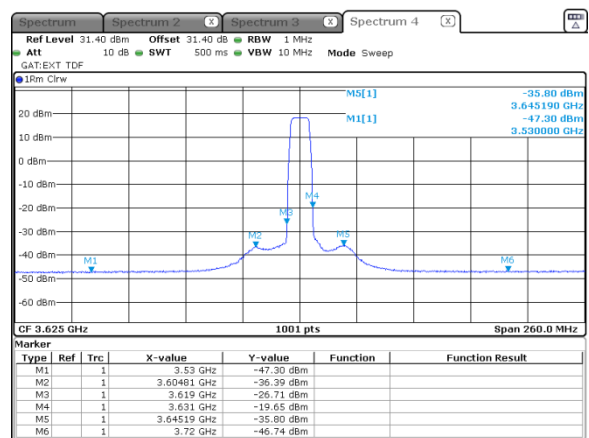
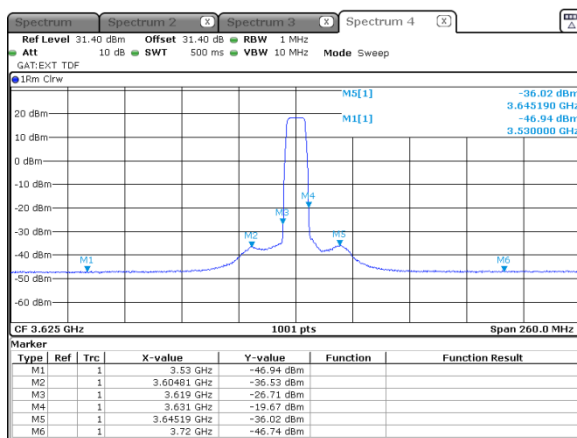
Plot 7.4.9 Emission outside the fundamental test results at mid carrier frequency

CHANNEL SPACING:

10 MHz

Modulation: QPSK

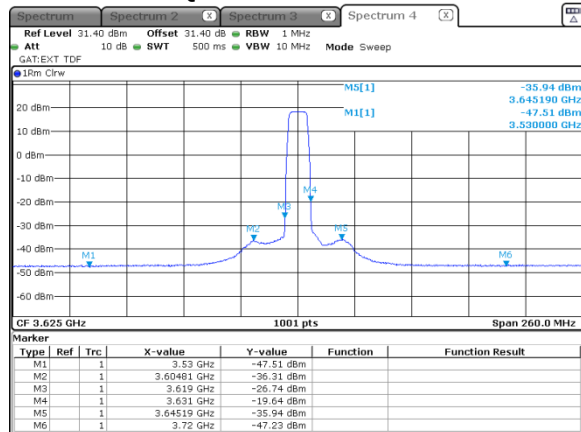
Modulation: 16QAM



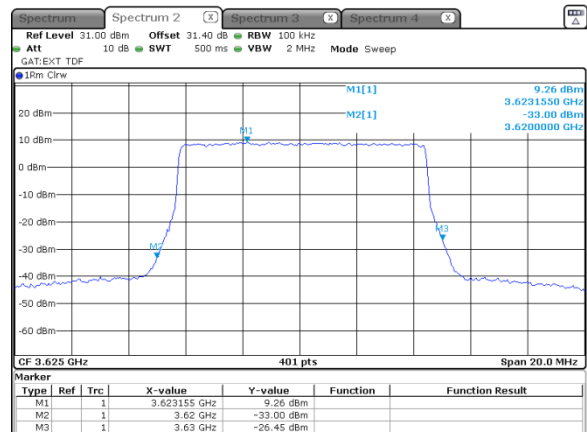
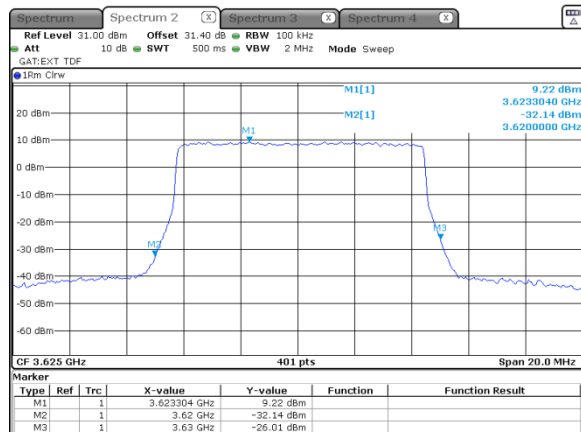
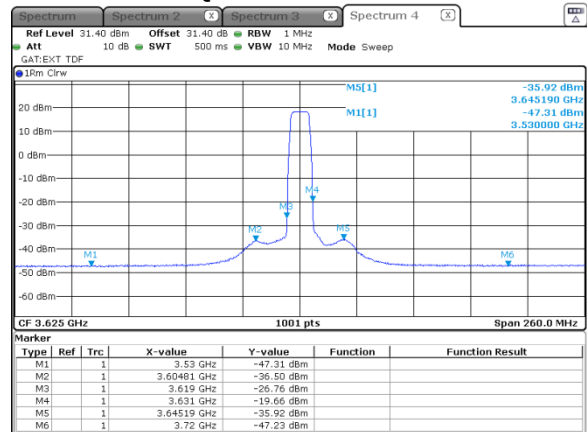
Test specification:		Section 96.41(e), Emission mask	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.10 Emission outside the fundamental test results at mid carrier frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation: 64QAM



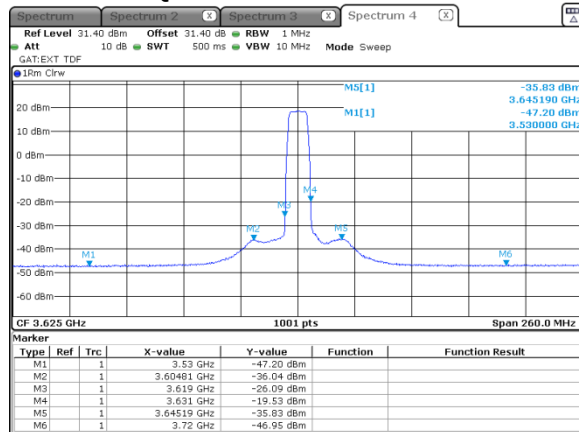
10 MHz
1
Modulation: 256QAM



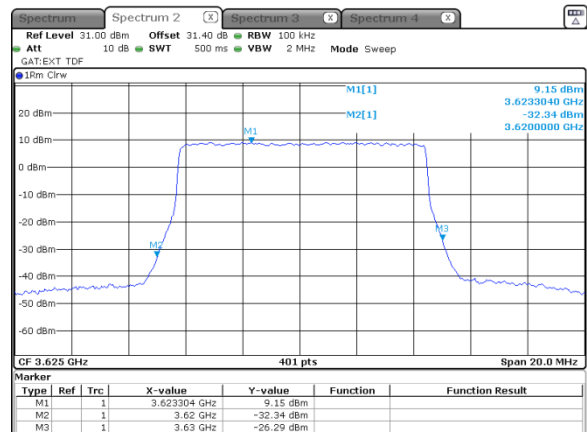
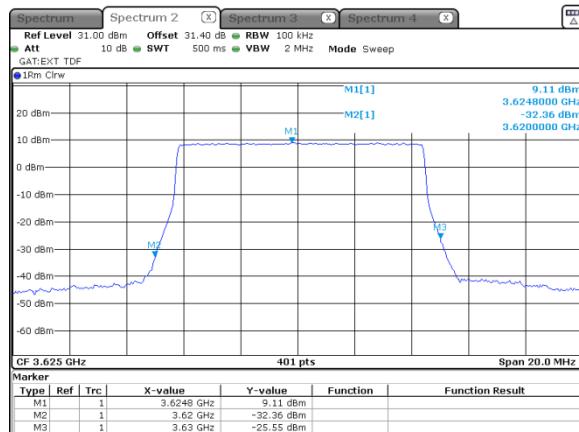
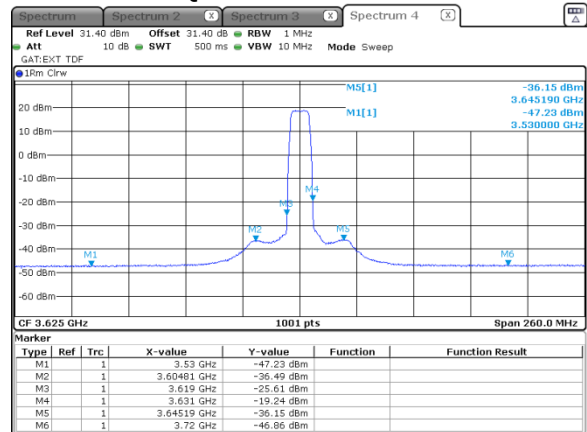
Test specification:		Section 96.41(e), Emission mask	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.11 Emission outside the fundamental test results at mid carrier frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation: QPSK



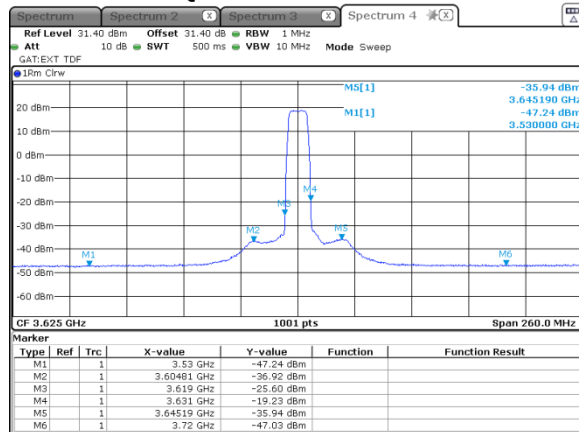
10 MHz
2
Modulation: 16QAM



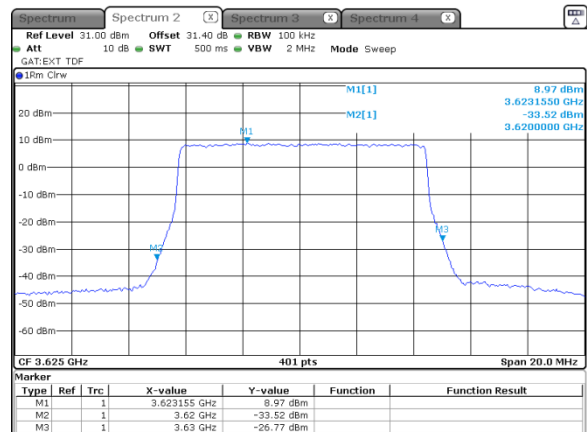
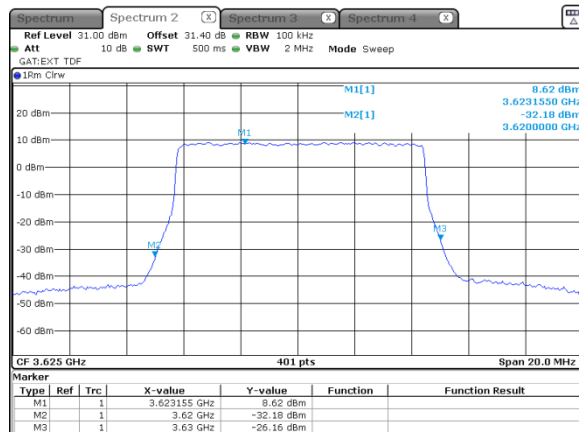
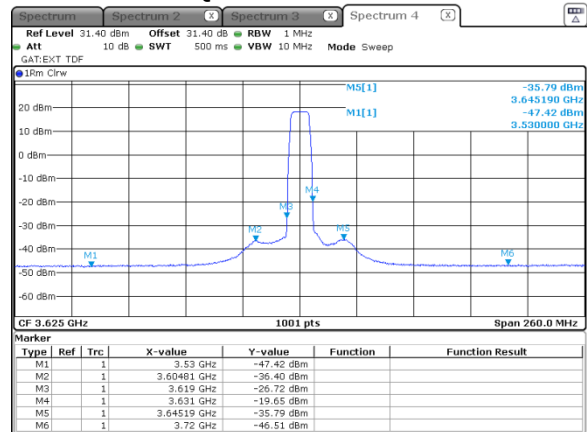
Test specification:		Section 96.41(e), Emission mask	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.12 Emission outside the fundamental test results at mid carrier frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation: 64QAM



10 MHz
2
Modulation: 256QAM



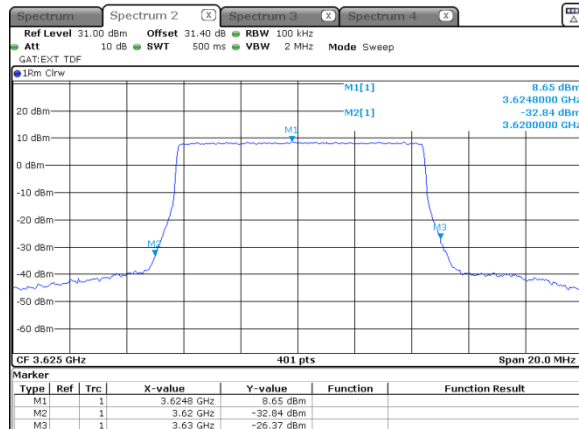
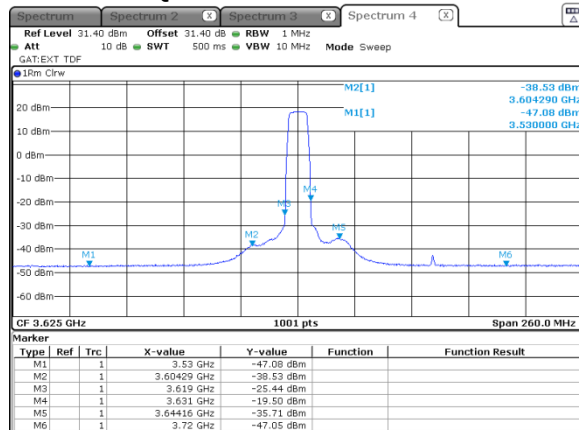
Test specification: Section 96.41(e), Emission mask			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 14-Dec-21			
Temperature: 25 °C	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.13 Emission outside the fundamental test results at mid carrier frequency

CHANNEL SPACING:

ANTENNA CHAIN:

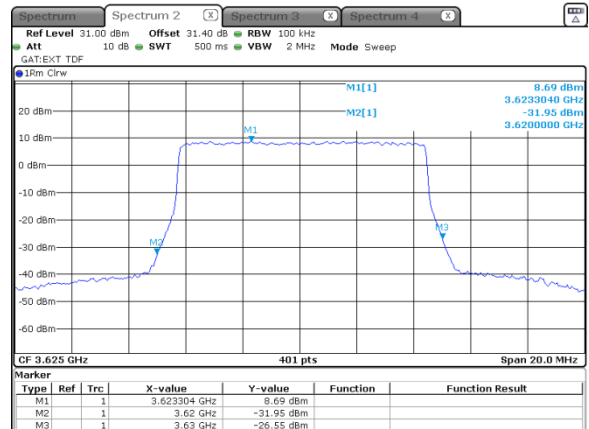
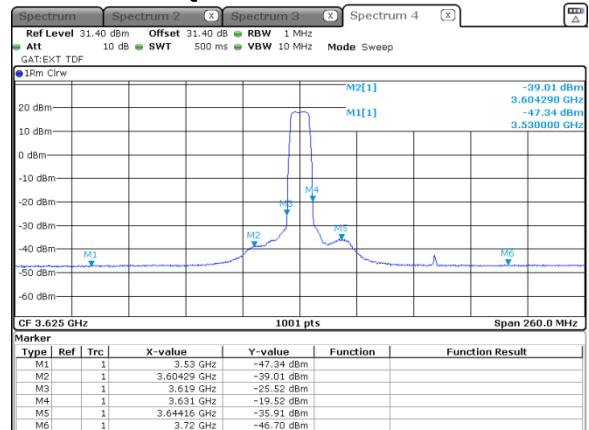
Modulation: QPSK



10 MHz

3

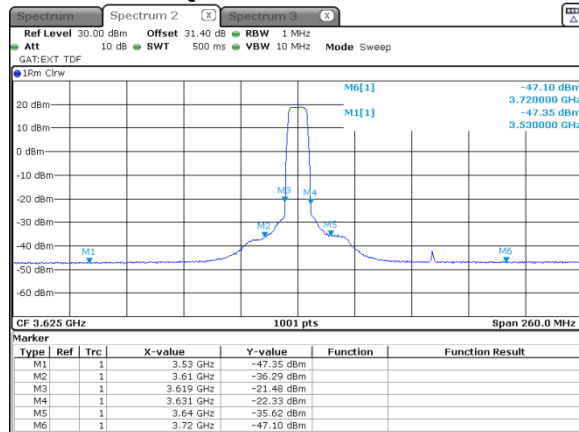
Modulation: 16QAM



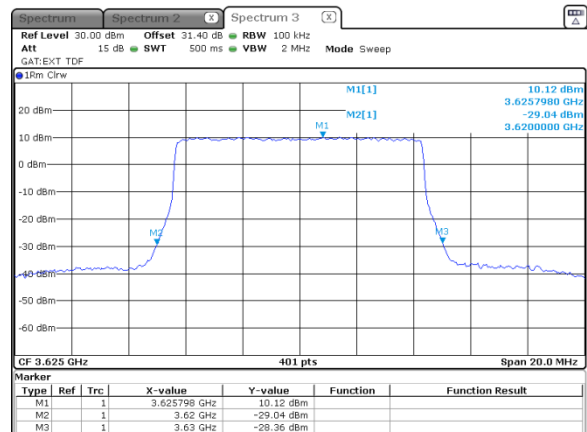
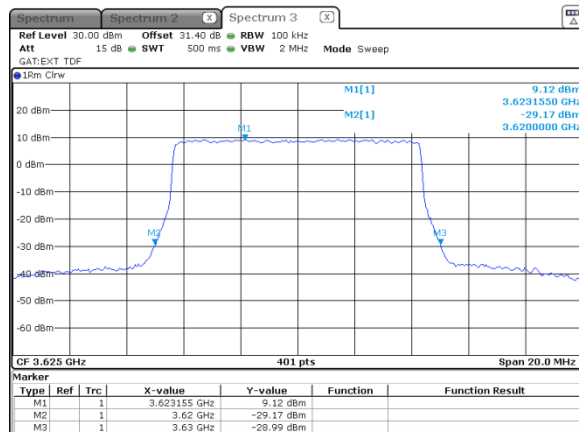
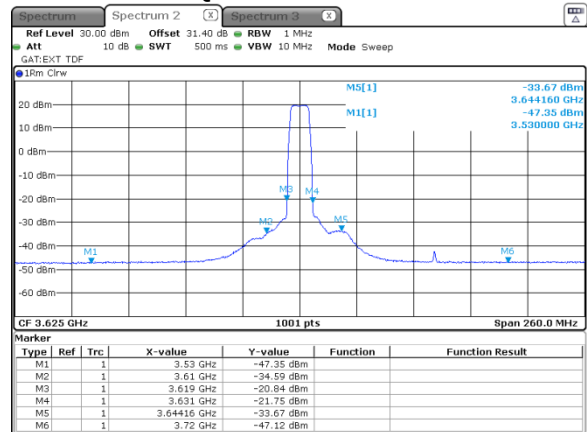
Test specification:		Section 96.41(e), Emission mask	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.14 Emission outside the fundamental test results at mid carrier frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation: 64QAM



10 MHz
3
Modulation: 256QAM



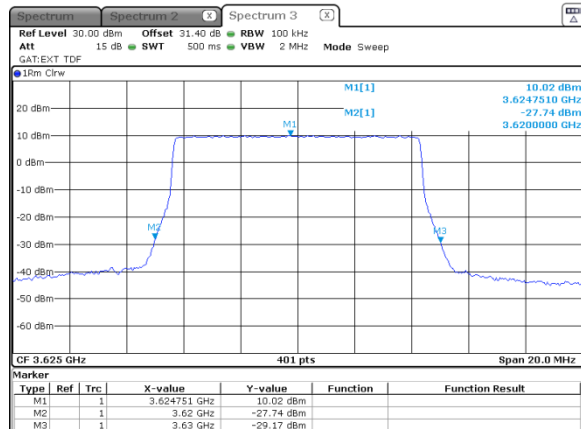
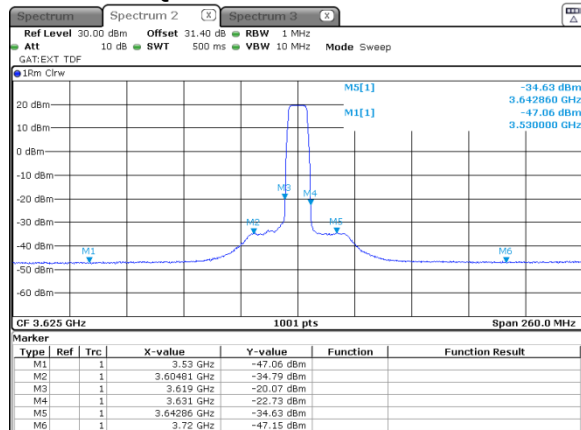
Test specification: Section 96.41(e), Emission mask			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 14-Dec-21			
Temperature: 25 °C	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.15 Emission outside the fundamental test results at mid carrier frequency

CHANNEL SPACING:

ANTENNA CHAIN:

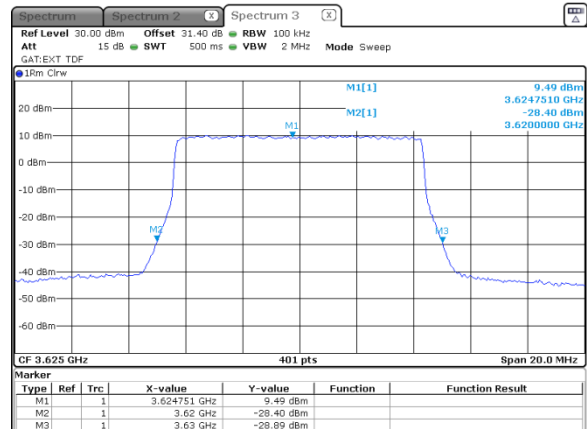
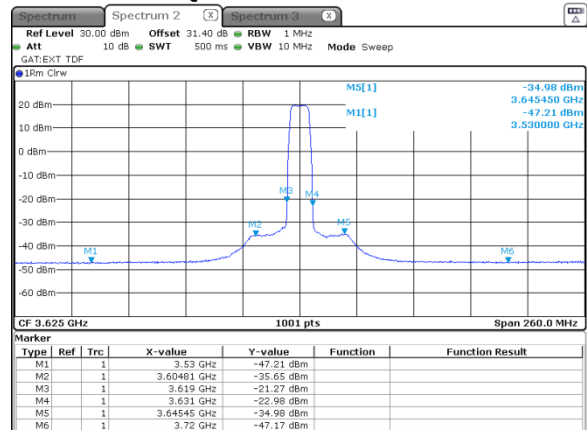
Modulation: QPSK



10 MHz

4

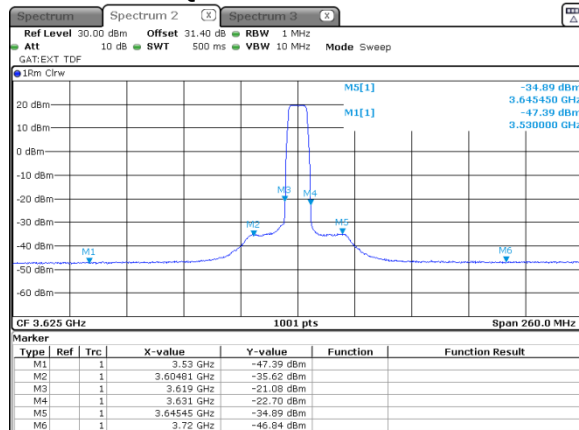
Modulation: 16QAM



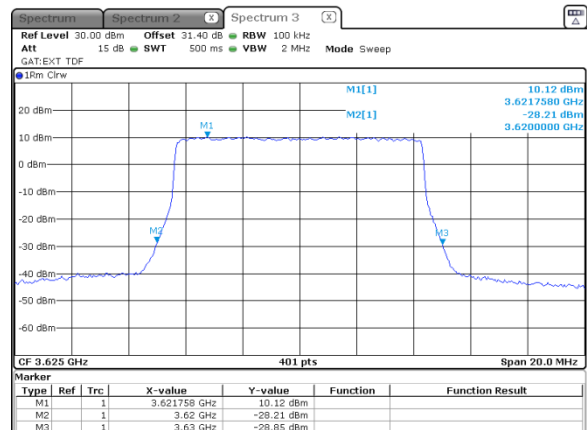
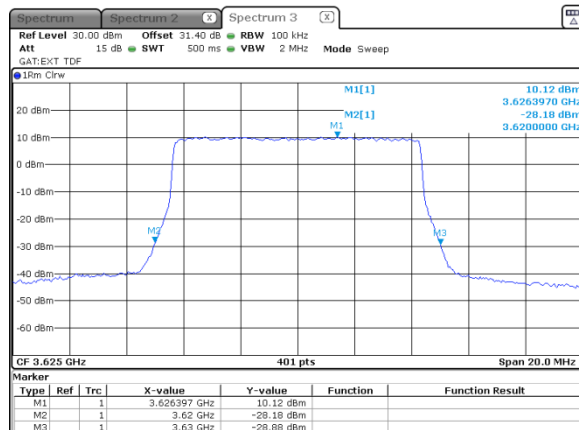
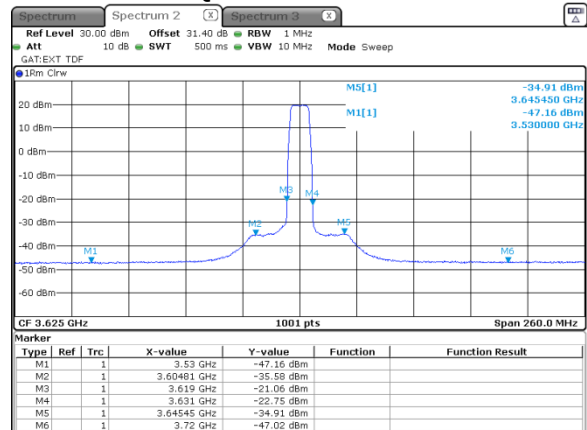
Test specification:		Section 96.41(e), Emission mask	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.16 Emission outside the fundamental test results at mid carrier frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation: 64QAM



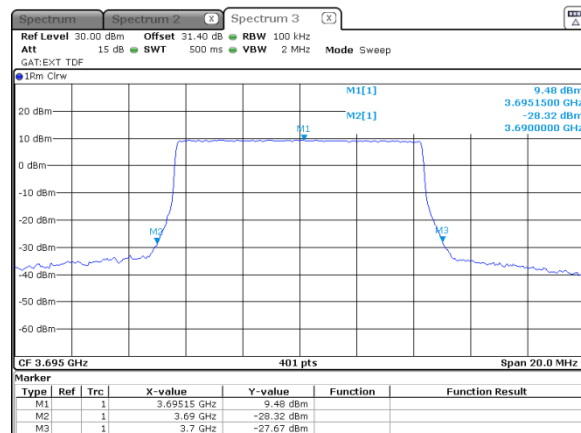
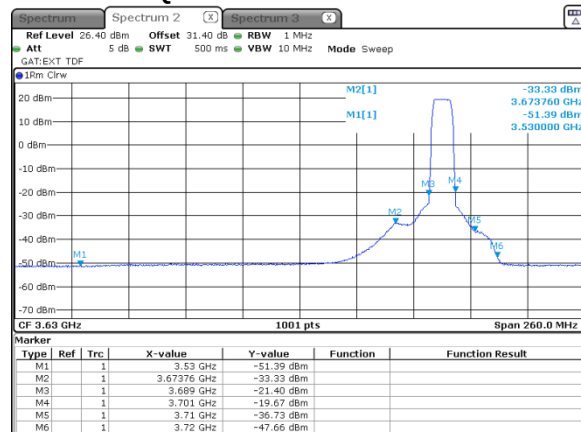
10 MHz
4
Modulation: 256QAM



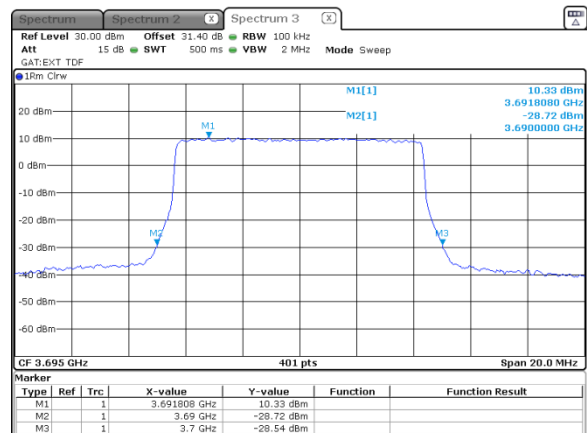
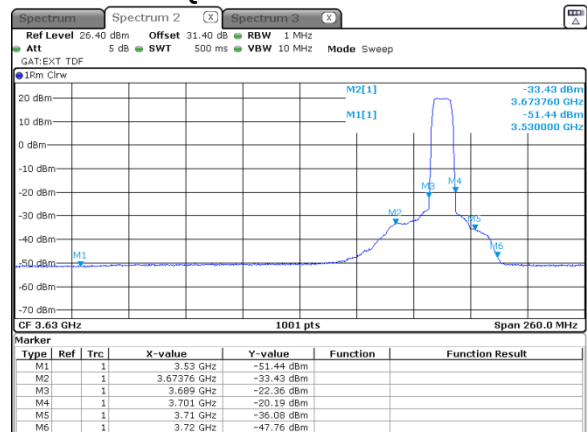
Test specification:		Section 96.41(e), Emission mask	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.17 Emission outside the fundamental test results at high carrier frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation: QPSK



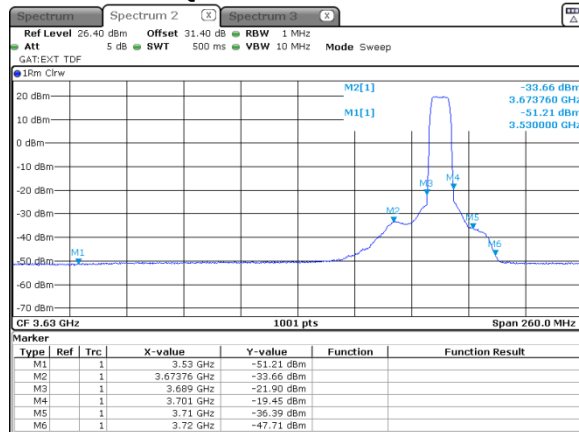
10 MHz
1
Modulation: 16QAM



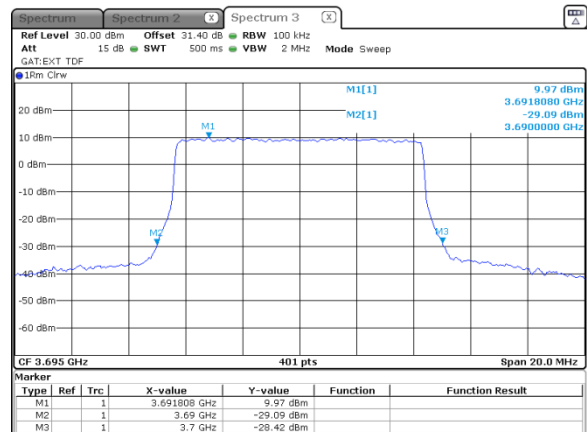
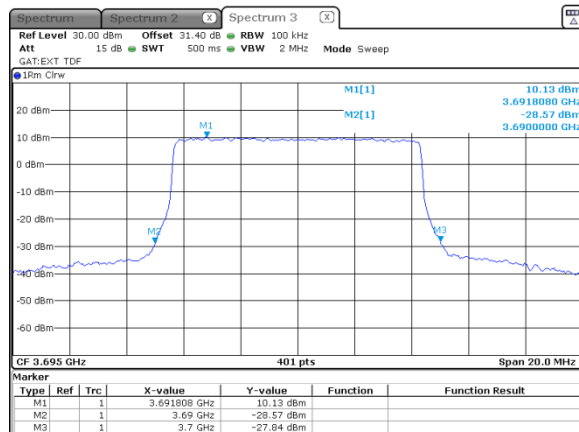
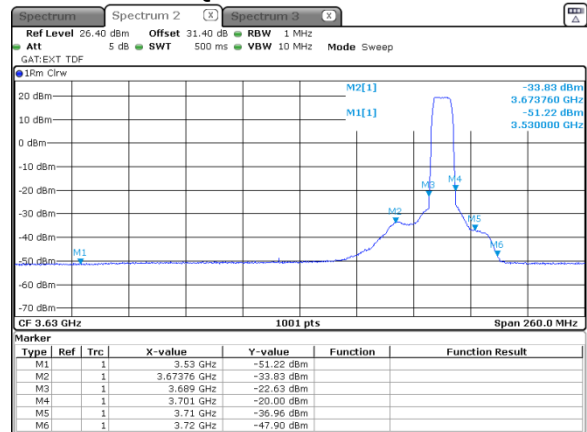
Test specification:		Section 96.41(e), Emission mask	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.18 Emission outside the fundamental test results at high carrier frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation: 64QAM



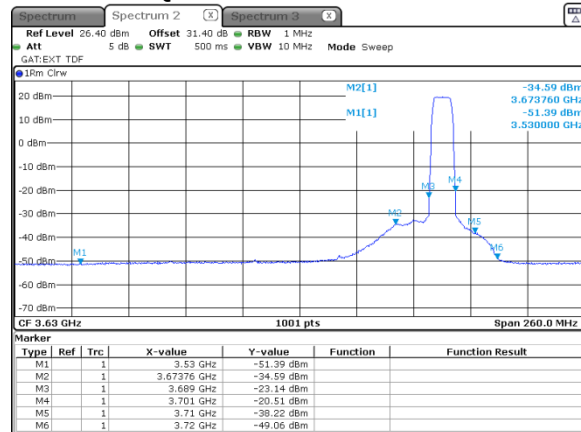
10 MHz
1
Modulation: 256QAM



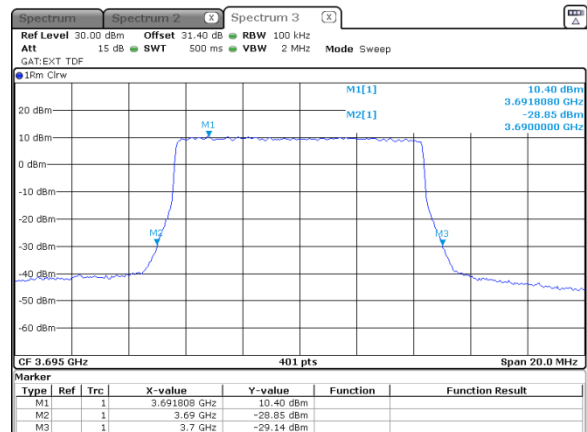
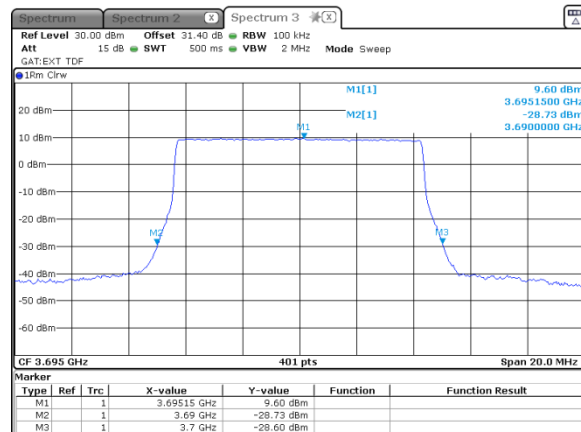
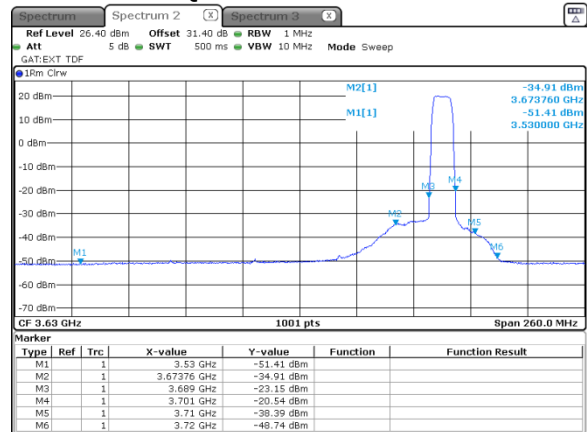
Test specification:		Section 96.41(e), Emission mask	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.19 Emission outside the fundamental test results at high carrier frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation: QPSK



10 MHz
2
Modulation: 16QAM

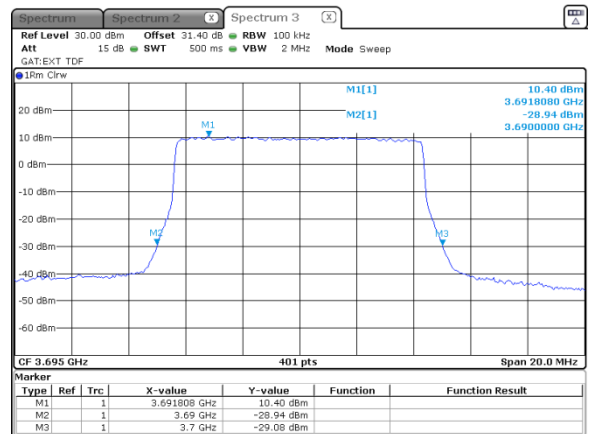
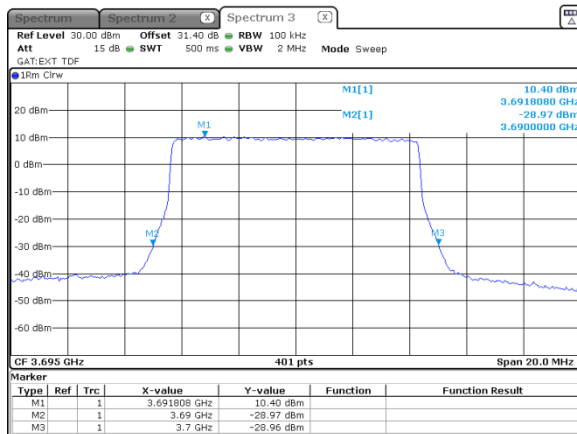
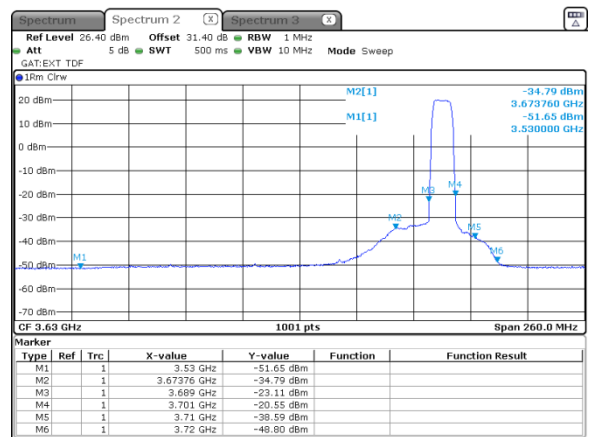
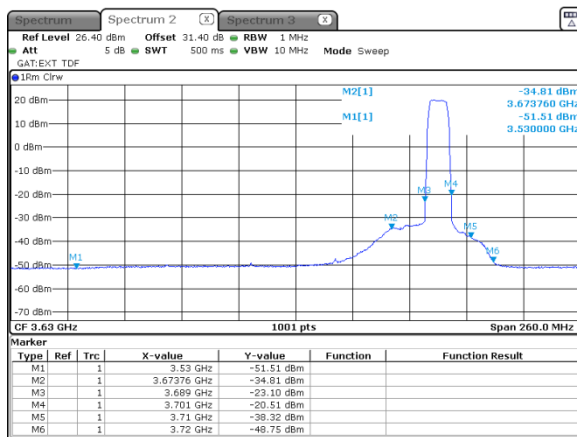


Test specification: Section 96.41(e), Emission mask			
Test procedure: Section 96.41(e)(3)			
Test mode: Compliance		Verdict: PASS	
Date(s): 14-Dec-21			
Temperature: 25 °C	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.20 Emission outside the fundamental test results at high carrier frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation: 64QAM

10 MHz
2
Modulation: 256QAM



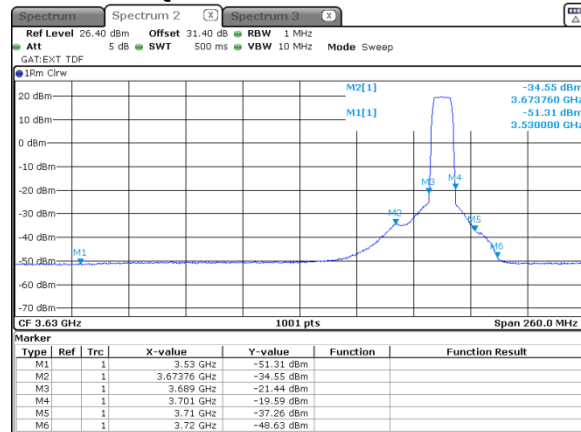
Test specification:		Section 96.41(e), Emission mask	
Test procedure:		Section 96.41(e)(3)	
Test mode:		Verdict: PASS	
Date(s):			
14-Dec-21			
Temperature: 25 °C	Relative Humidity: 54 %	Air Pressure: 1011 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.21 Emission outside the fundamental test results at high carrier frequency

CHANNEL SPACING:

ANTENNA CHAIN:

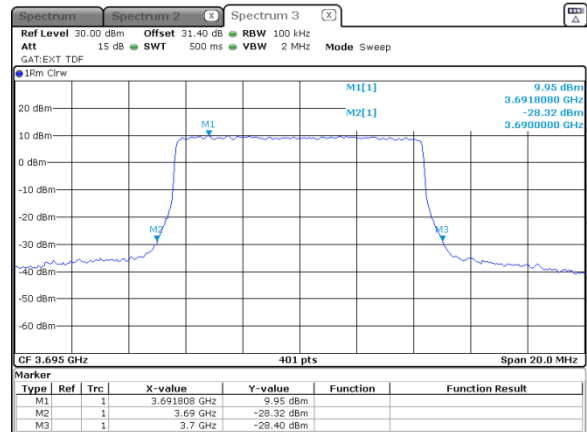
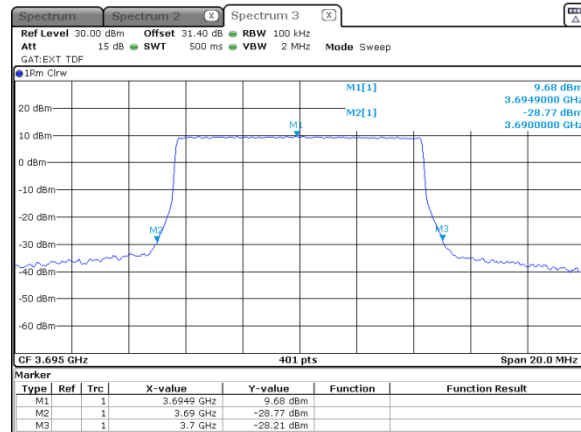
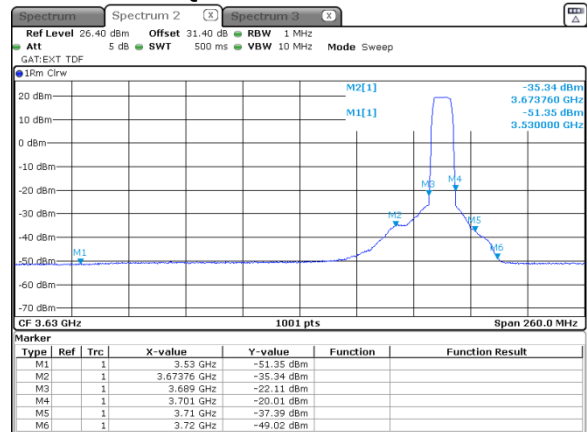
Modulation: QPSK



10 MHz

3

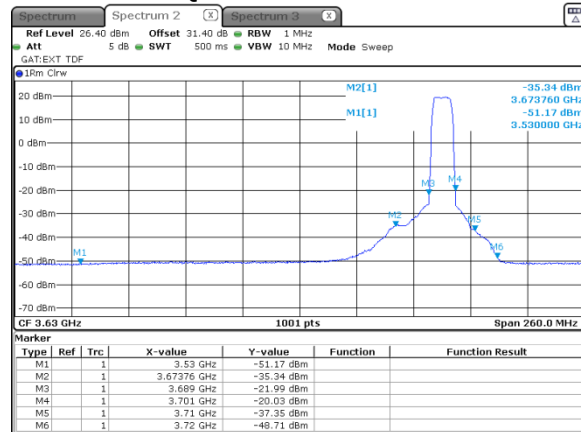
Modulation: 16QAM



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

Plot 7.4.22 Emission outside the fundamental test results at high carrier frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation: 64QAM



10 MHz
3
Modulation: 256QAM

