



HERMON LABORATORIES

Test specification:		Section 90.210, Emission mask	
Test procedure:		47 CFR, Sections 2.1051, 2.1047 and 90.210(m)	
Test mode:		Compliance	Verdict: PASS
Date(s):		27-Dec-23	
Temperature: 23 °C	Relative Humidity: 47 %	Air Pressure: 1014 hPa	Power: 48 VDC
Remarks:			

Plot 7.3.3 Emission mask test results at low, mid, high carrier frequency, 10 MHz CBW

OPERATING FREQUENCY RANGE:

4945.0 – 4985.0 MHz

DETECTOR USED:

Peak

MODULATION:

64QAM

MODULATING SIGNAL:

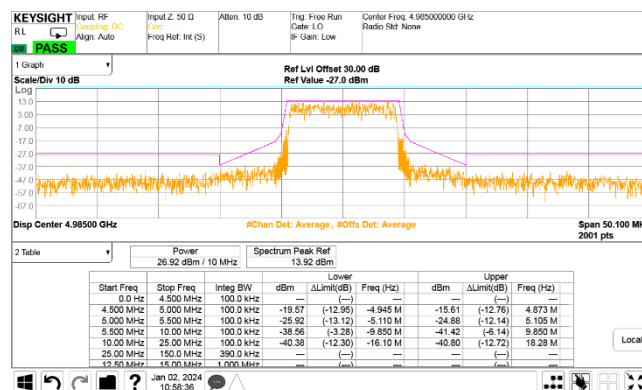
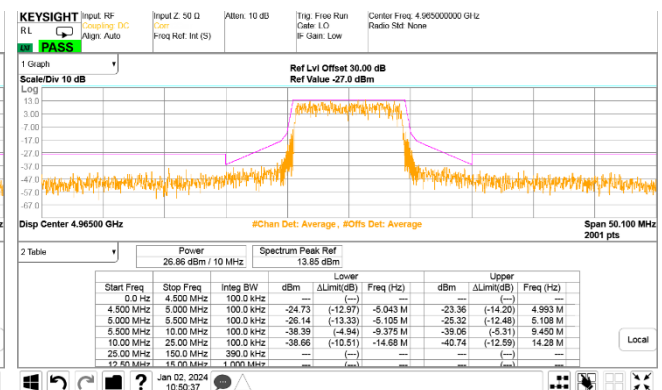
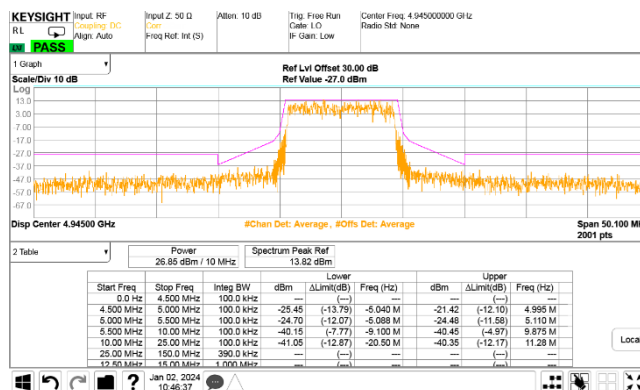
PRBS

TRANSMITTER OUTPUT POWER SETTINGS:

Maximum

ANTENNA CHAIN

1





HERMON LABORATORIES

Test specification:		Section 90.210, Emission mask	
Test procedure:		47 CFR, Sections 2.1051, 2.1047 and 90.210(m)	
Test mode:		Compliance	Verdict: PASS
Date(s):		27-Dec-23	
Temperature: 23 °C	Relative Humidity: 47 %	Air Pressure: 1014 hPa	Power: 48 VDC
Remarks:			

Plot 7.3.4 Emission mask test results at low, mid, high carrier frequency, 10 MHz CBW

OPERATING FREQUENCY RANGE:

4945.0 – 4985.0 MHz

DETECTOR USED:

Peak

MODULATION:

256QAM

MODULATING SIGNAL:

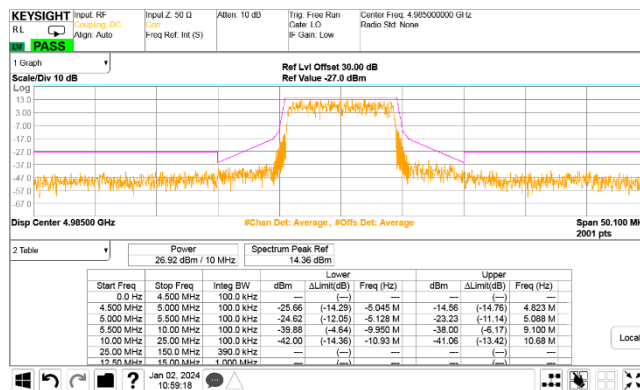
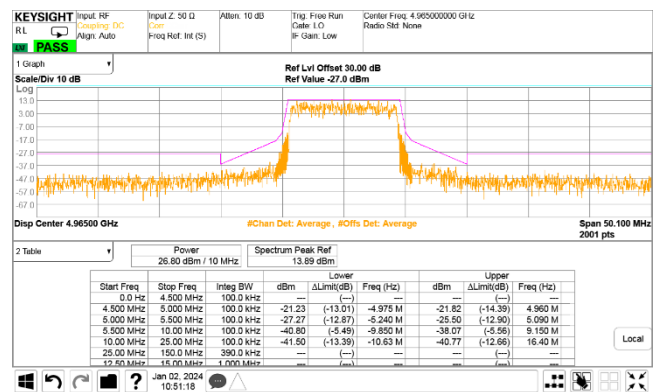
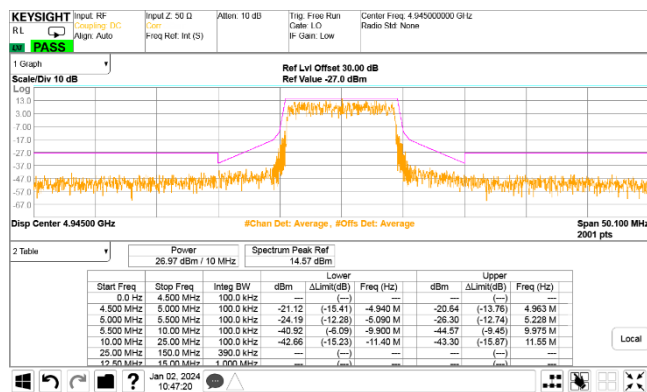
PRBS

TRANSMITTER OUTPUT POWER SETTINGS:

Maximum

ANTENNA CHAIN

1





HERMON LABORATORIES

Test specification: Section 90.210, Emission mask			
Test procedure: 47 CFR, Sections 2.1051, 2.1047 and 90.210(m)			
Test mode: Compliance		Verdict: PASS	
Date(s): 27-Dec-23			
Temperature: 23 °C	Relative Humidity: 47 %	Air Pressure: 1014 hPa	Power: 48 VDC
Remarks:			

Plot 7.3.5 Emission mask test results at low, mid, high carrier frequency, 10 MHz CBW

OPERATING FREQUENCY RANGE:

4945.0 – 4985.0 MHz

DETECTOR USED:

Peak

MODULATION:

QPSK

MODULATING SIGNAL:

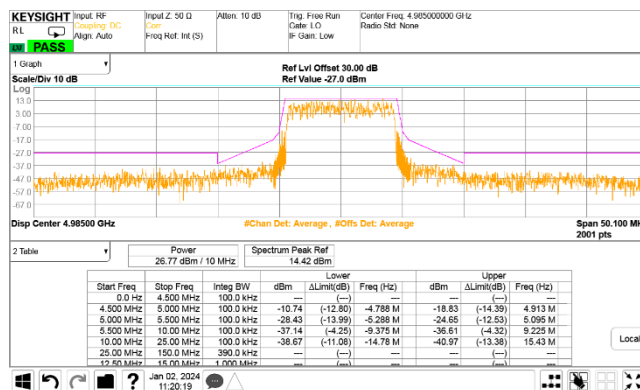
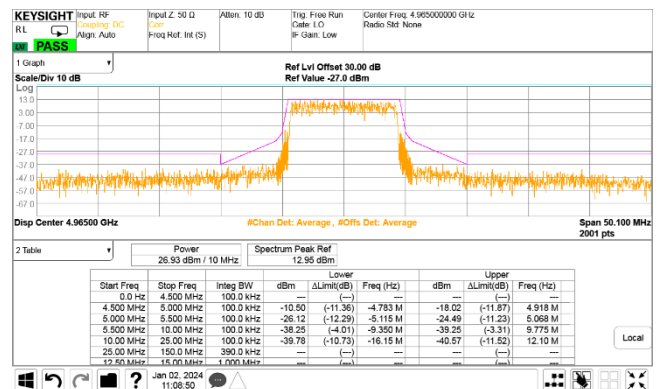
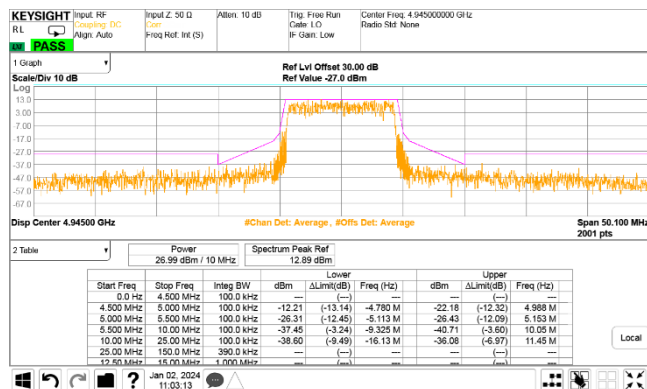
PRBS

TRANSMITTER OUTPUT POWER SETTINGS:

Maximum

ANTENNA CHAIN

2





HERMON LABORATORIES

Test specification: Section 90.210, Emission mask			
Test procedure: 47 CFR, Sections 2.1051, 2.1047 and 90.210(m)			
Test mode: Compliance		Verdict: PASS	
Date(s): 27-Dec-23			
Temperature: 23 °C	Relative Humidity: 47 %	Air Pressure: 1014 hPa	Power: 48 VDC
Remarks:			

Plot 7.3.6 Emission mask test results at low, mid, high carrier frequency, 10 MHz CBW

OPERATING FREQUENCY RANGE:

DETECTOR USED:

MODULATION:

MODULATING SIGNAL:

TRANSMITTER OUTPUT POWER SETTINGS:

ANTENA CHAIN

4945.0 – 4985.0 MHz

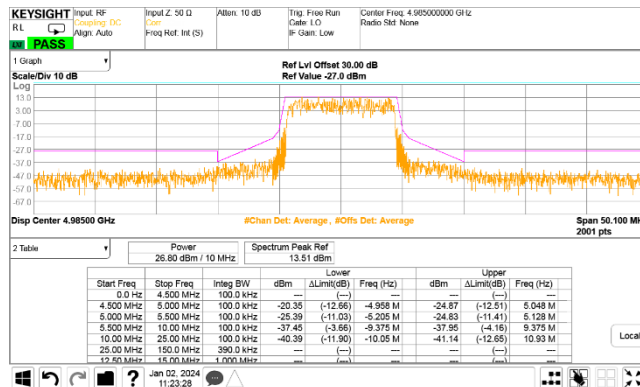
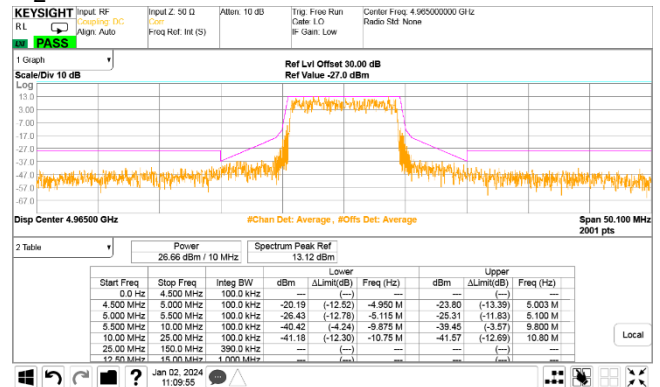
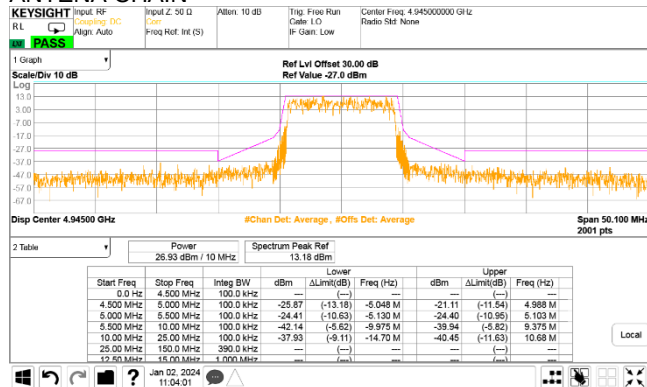
Peak

16QAM

PRBS

Maximum

2





HERMON LABORATORIES

Test specification:		Section 90.210, Emission mask	
Test procedure:		47 CFR, Sections 2.1051, 2.1047 and 90.210(m)	
Test mode:		Verdict: PASS	
Date(s):			
27-Dec-23			
Temperature: 23 °C	Relative Humidity: 47 %	Air Pressure: 1014 hPa	Power: 48 VDC
Remarks:			

Plot 7.3.7 Emission mask test results at low, mid, high carrier frequency, 10 MHz CBW

OPERATING FREQUENCY RANGE:

4945.0 – 4985.0 MHz

DETECTOR USED:

Peak

MODULATION:

64QAM

MODULATING SIGNAL:

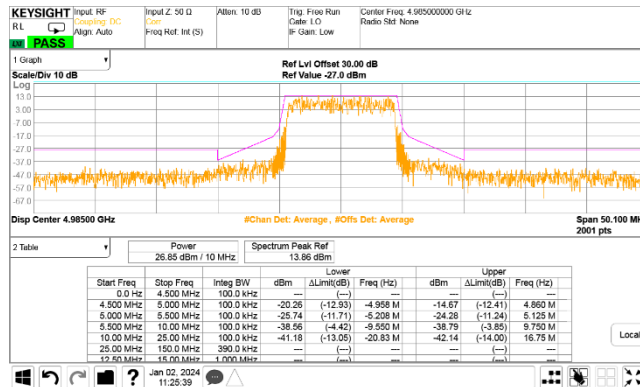
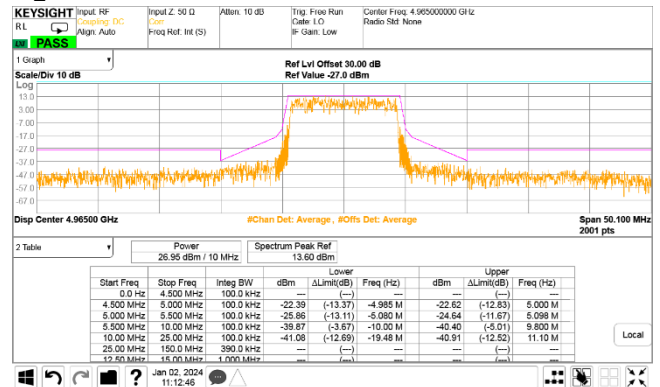
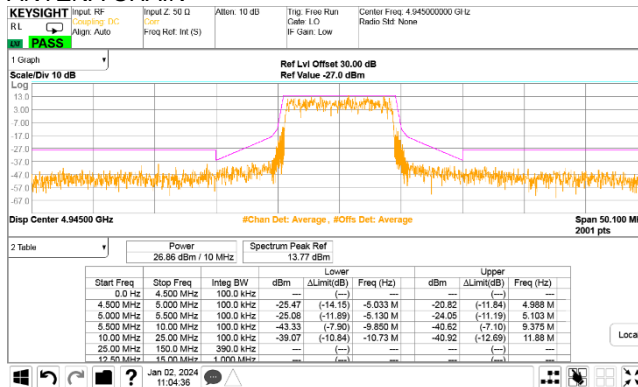
PRBS

TRANSMITTER OUTPUT POWER SETTINGS:

Maximum

ANTENNA CHAIN

2





HERMON LABORATORIES

Test specification:		Section 90.210, Emission mask	
Test procedure:		47 CFR, Sections 2.1051, 2.1047 and 90.210(m)	
Test mode:		Verdict: PASS	
Date(s):			
27-Dec-23			
Temperature: 23 °C	Relative Humidity: 47 %	Air Pressure: 1014 hPa	Power: 48 VDC
Remarks:			

Plot 7.3.8 Emission mask test results at low, mid, high carrier frequency, 10 MHz CBW

OPERATING FREQUENCY RANGE:

4945.0 – 4985.0 MHz

DETECTOR USED:

Peak

MODULATION:

256QAM

MODULATING SIGNAL:

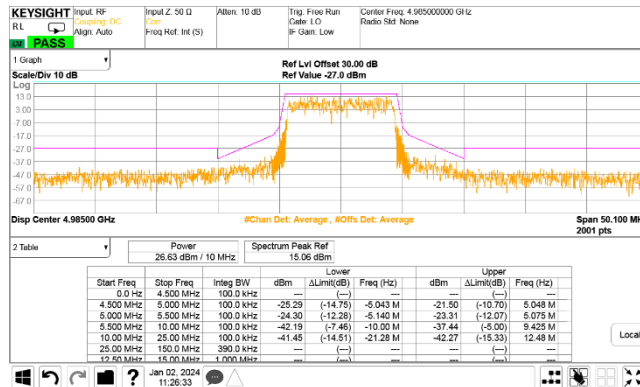
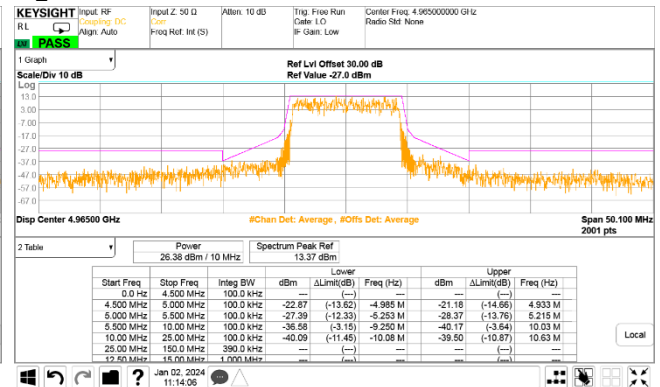
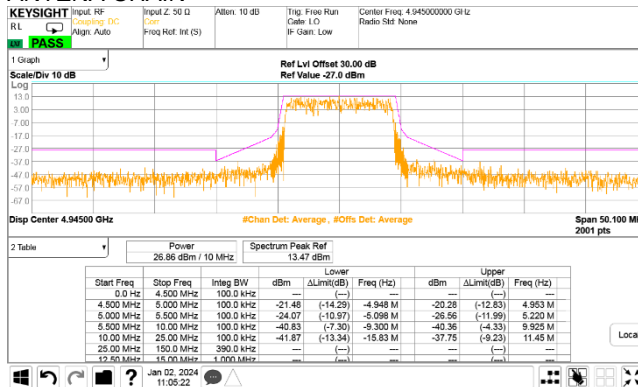
PRBS

TRANSMITTER OUTPUT POWER SETTINGS:

Maximum

ANTENNA CHAIN

2





HERMON LABORATORIES

Test specification:		Section 90.210, Emission mask	
Test procedure:		47 CFR, Sections 2.1051, 2.1047 and 90.210(m)	
Test mode:		Verdict: PASS	
Date(s):			
27-Dec-23			
Temperature: 23 °C	Relative Humidity: 47 %	Air Pressure: 1014 hPa	Power: 48 VDC
Remarks:			

Plot 7.3.9 Emission mask test results at low, mid, high carrier frequency, 25 MHz CBW

OPERATING FREQUENCY RANGE:

4945.0 – 4985.0 MHz

DETECTOR USED:

Peak

MODULATION:

QPSK

MODULATING SIGNAL:

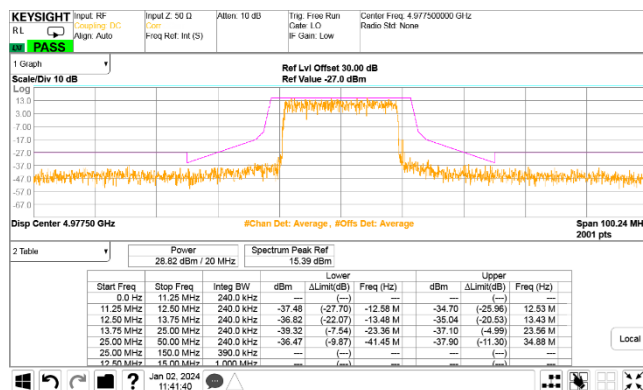
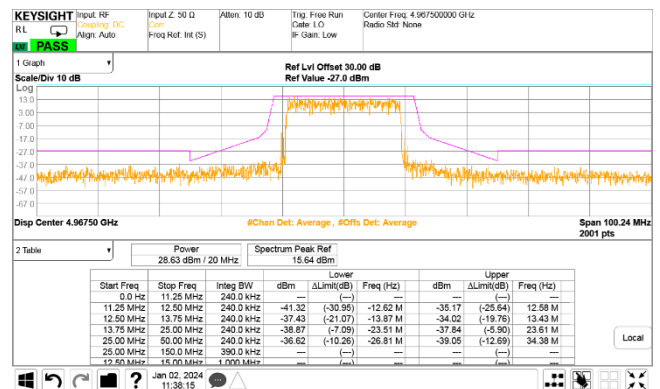
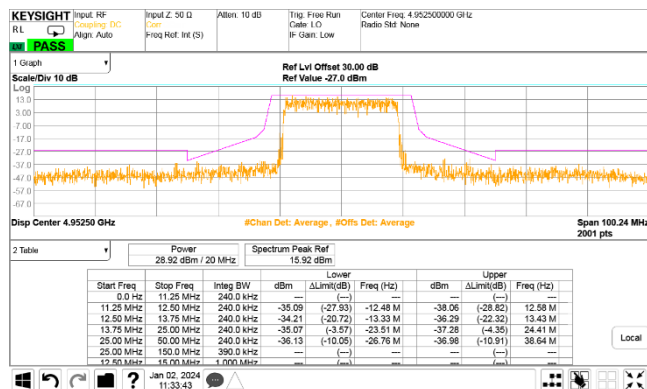
PRBS

TRANSMITTER OUTPUT POWER SETTINGS:

Maximum

ANTENNA CHAIN

1





HERMON LABORATORIES

Test specification: Section 90.210, Emission mask			
Test procedure: 47 CFR, Sections 2.1051, 2.1047 and 90.210(m)			
Test mode: Compliance		Verdict: PASS	
Date(s): 27-Dec-23			
Temperature: 23 °C	Relative Humidity: 47 %	Air Pressure: 1014 hPa	Power: 48 VDC
Remarks:			

Plot 7.3.10 Emission mask test results at low, mid, high carrier frequency, 25 MHz CBW

OPERATING FREQUENCY RANGE:

4945.0 – 4985.0 MHz

DETECTOR USED:

Peak

MODULATION:

16QAM

MODULATING SIGNAL:

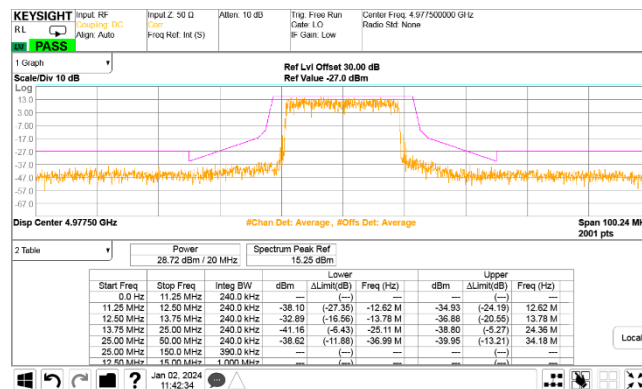
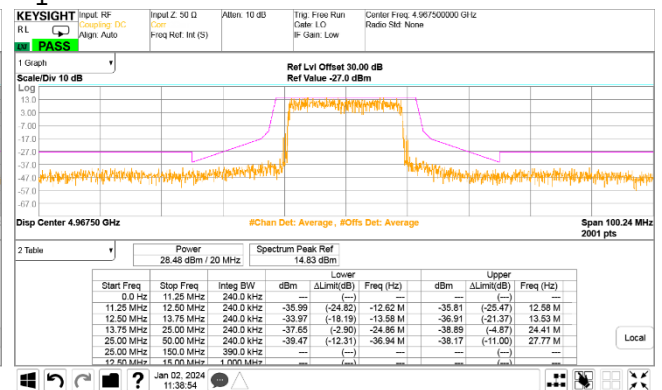
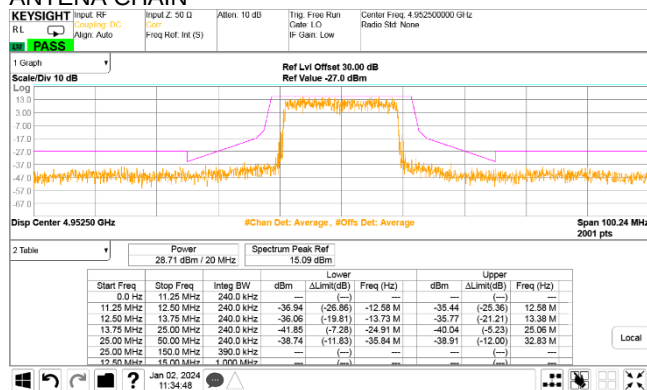
PRBS

TRANSMITTER OUTPUT POWER SETTINGS:

Maximum

ANTENA CHAIN

1





HERMON LABORATORIES

Test specification: Section 90.210, Emission mask	
Test procedure: 47 CFR, Sections 2.1051, 2.1047 and 90.210(m)	
Test mode: Compliance	Verdict: PASS
Date(s): 27-Dec-23	
Temperature: 23 °C	Relative Humidity: 47 %
Air Pressure: 1014 hPa	
Power: 48 VDC	
Remarks:	

Plot 7.3.11 Emission mask test results at low, mid, high carrier frequency, 25 MHz CBW

OPERATING FREQUENCY RANGE:

DETECTOR USED:

MODULATION:

MODULATING SIGNAL:

TRANSMITTER OUTPUT POWER SETTINGS:

ANTENA CHAIN

4945.0 – 4985.0 MHz

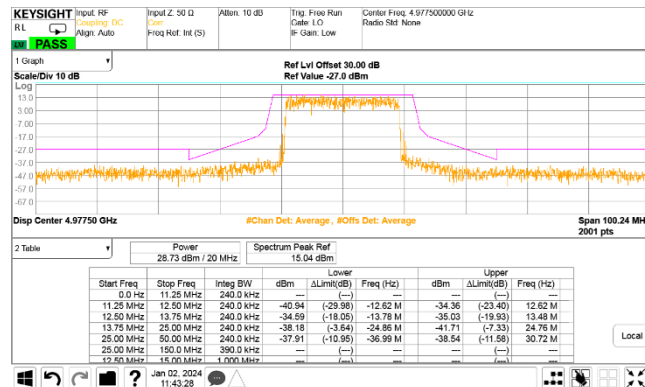
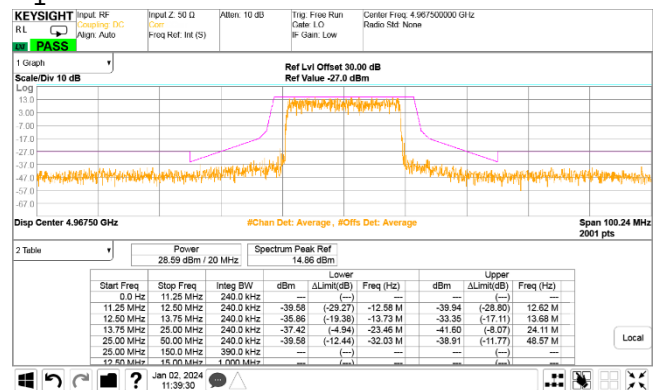
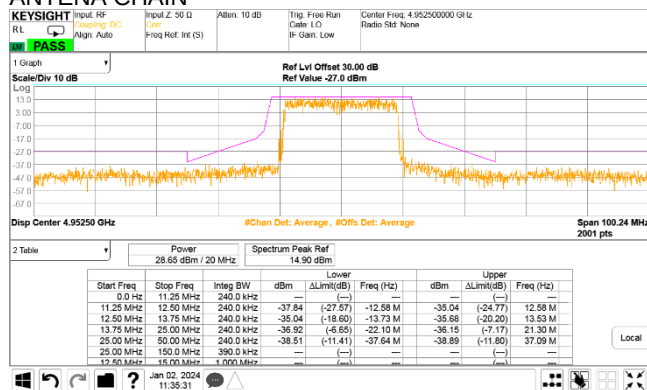
Peak

64QAM

PRBS

Maximum

1





HERMON LABORATORIES

Test specification: Section 90.210, Emission mask			
Test procedure: 47 CFR, Sections 2.1051, 2.1047 and 90.210(m)			
Test mode: Compliance		Verdict: PASS	
Date(s): 27-Dec-23			
Temperature: 23 °C	Relative Humidity: 47 %	Air Pressure: 1014 hPa	Power: 48 VDC
Remarks:			

Plot 7.3.12 Emission mask test results at low, mid, high carrier frequency, 25 MHz CBW

OPERATING FREQUENCY RANGE:

DETECTOR USED:

MODULATION:

MODULATING SIGNAL:

TRANSMITTER OUTPUT POWER SETTINGS:

ANTENA CHAIN

4945.0 – 4985.0 MHz

Peak

256QAM

PRBS

Maximum

1

