

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	Verdict:	PASS	
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

DETECTOR USED:

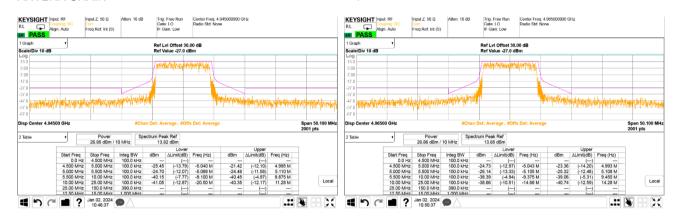
MODULATION:

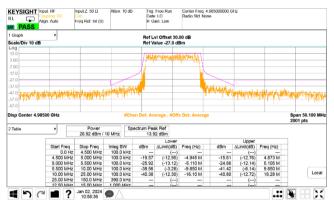
MODULATING SIGNAL:

TRANSMITTER OUTPUT POWER SETTINGS:

ANTENA CHAIN

Peak
64QAM
PRBS
Maximum
1







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	verdict:	PASS	
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

DETECTOR USED:

MODULATION:

MODULATING SIGNAL:

TRANSMITTER OUTPUT POWER SETTINGS:

ANTENA CHAIN

Peak

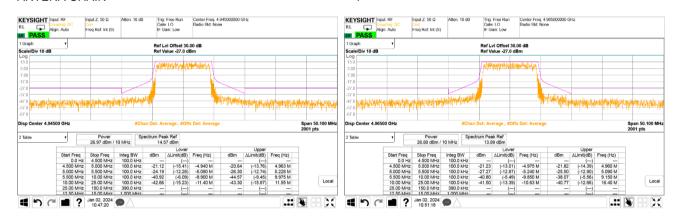
256QAM

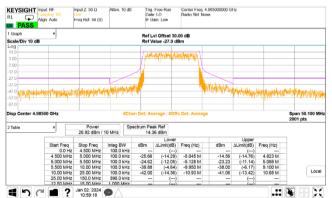
PRBS

Maximum

ANTENA CHAIN

1







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	verdict.	PASS	
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

DETECTOR USED:

MODULATION:

MODULATING SIGNAL:

TRANSMITTER OUTPUT POWER SETTINGS:

ANTENA CHAIN

Peak

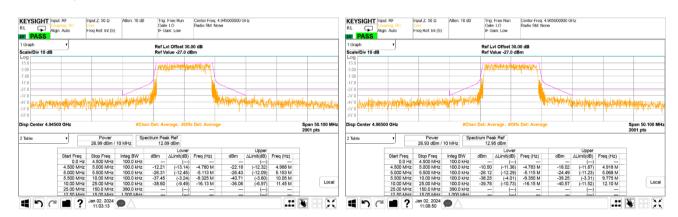
QPSK

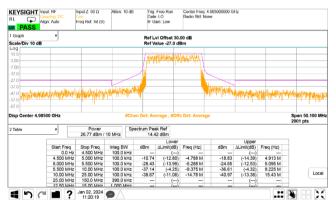
PRBS

Maximum

AXIMUM

2





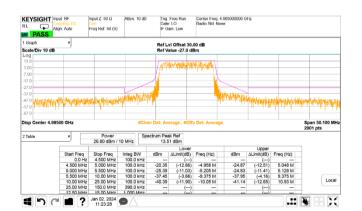


1 9 P 1 9 Jan 02, 2024

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	verdict:	PASS	
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: 4945.0 - 4985.0 MHz **DETECTOR USED:** Peak MODULATION: 16QAM MODULATING SIGNAL: **PRBS** TRANSMITTER OUTPUT POWER SETTINGS: Maximum ANTENA CHAIN KEYSIGHT Input RF Input Z: 50 Ω Atten: 10 dB 1 Graph Scale/Div 10 dB 1 Graph Scale/Div 10 dB Power 26.66 dBm / 10 MHz Power 26.93 dBm / 10 MHz Lower dBm ΔLimit(dB) Upper ΔLimit(dB) Freq (Hz) Freq (Hz) Local



13

11:09:55 Jan 02, 2024

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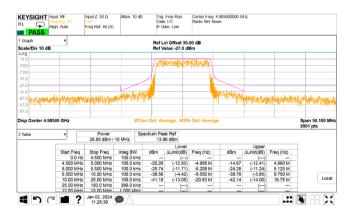


Test specification:	Section 90.210, Emission mask			
Test procedure:	47 CFR, Sections 2.1051, 2.1047 and 90.210(m)			
Test mode:	Compliance	Verdict: PASS		
Date(s):	27-Dec-23	Verdict:	PASS	
Temperature: 23 °C	Relative Humidity: 47 %	Air Pressure: 1014 hPa	Power: 48 VDC	
Remarks:				

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
ANTENA CHAIN 2





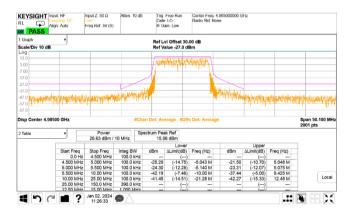


Test specification:	Section 90.210, Emission mask			
Test procedure:	47 CFR, Sections 2.1051, 2.1047 and 90.210(m)			
Test mode:	Compliance	Verdict: PASS		
Date(s):	27-Dec-23	verdict:	PASS	
Temperature: 23 °C	Relative Humidity: 47 %	Air Pressure: 1014 hPa	Power: 48 VDC	
Remarks:	-			

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
ANTENA CHAIN 2







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	verdict.	PASS	
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

DETECTOR USED:

MODULATION:

MODULATING SIGNAL:

TRANSMITTER OUTPUT POWER SETTINGS:

ANTENA CHAIN

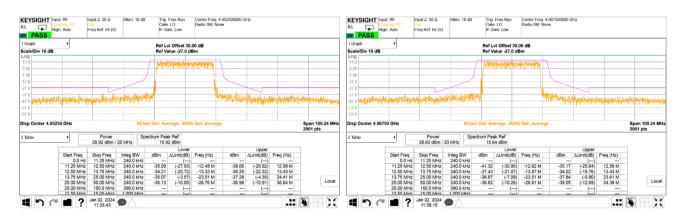
Peak

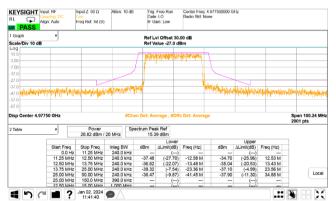
QPSK

PRBS

Maximum

1





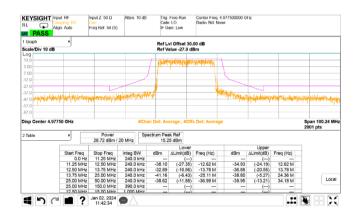


11:34.48 9 Jan 02, 2024

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	verdict.	PASS	
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 KEYSIGHT Input RF Input Z: 50 Ω Atten: 10 dB 1 Graph Scale/Div 10 dB ale/Div 10 dB Span 100.24 MH 2001 pts Power 28.48 dBm / 20 MHz Power 28.71 dBm / 20 MHz Upper
dBm ΔLimit(dB) Freq (Hz) dBm Local Local



13

11:38:54 P

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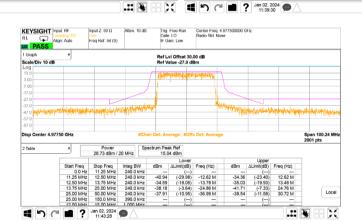


11:35:31 9 Jan 02, 2024

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	verdict:	PASS	
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: 4945.0 - 4985.0 MHz **DETECTOR USED:** Peak MODULATION: 64QAM PRBS MODULATING SIGNAL: TRANSMITTER OUTPUT POWER SETTINGS: Maximum ANTENA CHAIN KEYSIGHT Input RF Input Z: 50 Ω Atten: 10 dB 1 Graph Scale/Div 10 dB ale/Div 10 dB Span 100.24 MH 2001 pts Power 28.59 dBm / 20 MHz Power 28.65 dBm / 20 MHz Local Local



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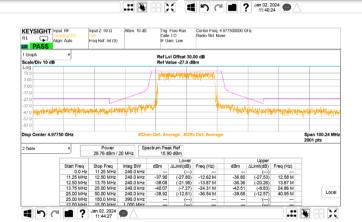
1 9 P 2 Jan 02, 2024

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	verdict:	PASS	
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: 4945.0 - 4985.0 MHz **DETECTOR USED:** Peak MODULATION: 256QAM MODULATING SIGNAL: **PRBS** TRANSMITTER OUTPUT POWER SETTINGS: Maximum ANTENA CHAIN KEYSIGHT Input RF Input Z: 50 Ω Atten: 10 dB 1 Graph Scale/Div 10 dB ale/Div 10 dB Power 28.60 dBm / 20 MHz Power 28.87 dBm / 20 MHz

Local



Local

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