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Report ID: SIKRAD_FCC.41073_Rev1

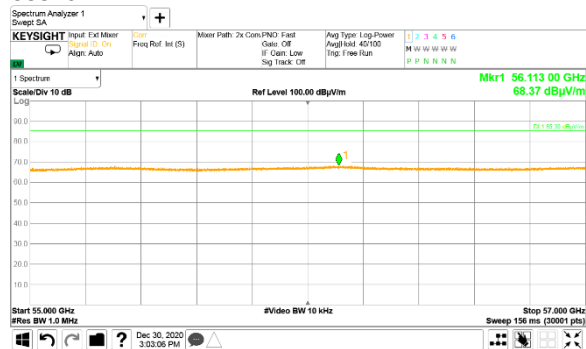
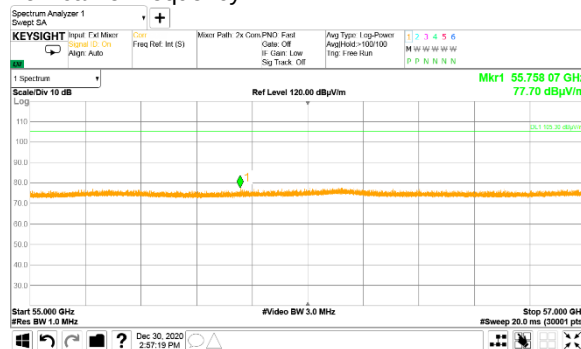
Date of Issue: 11-Mar-21

Test specification:		FCC Section 15.255(d)(3), RSS-210 section J.3, Out of band radiated emissions above 40 GHz	
Test procedure:		ANSI C63.10, Sections 9.9, 9.12	
Test mode:		Compliance	Verdict: PASS
Date(s):		18-Jan-21	
Temperature: 20 °C	Relative Humidity: 68 %	Air Pressure: 1015 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.3 Spurious emission measurements in 55 – 57 GHz range

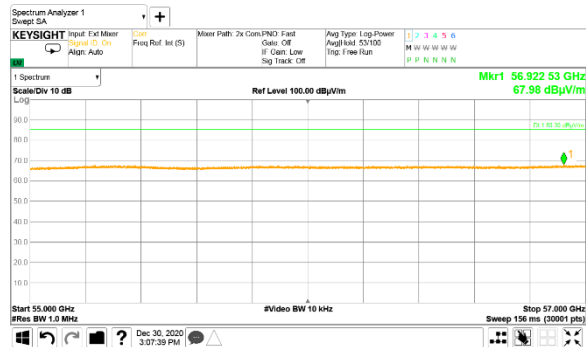
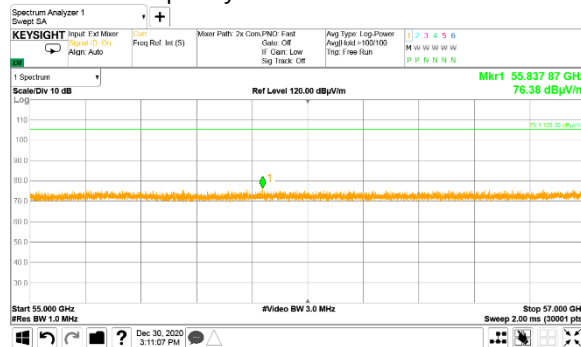
TEST SITE:
TEST DISTANCE:
MODULATION:
ANTENNA POLARIZATION:
DETECTOR: Peak RBW = 1 MHz; VBW = 3 MHz
Low carrier frequency:

OATS
3 m
QPSK
Vertical and Horizontal
DETECTOR: Peak RBW = 1 MHz; VBW = 10 kHz
58320 MHz



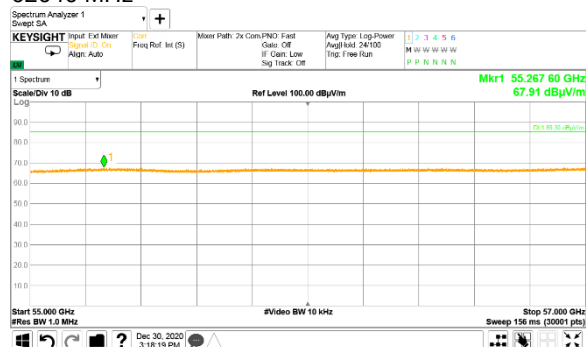
Mid carrier frequency:

60480 MHz



High carrier frequency:

62640 MHz

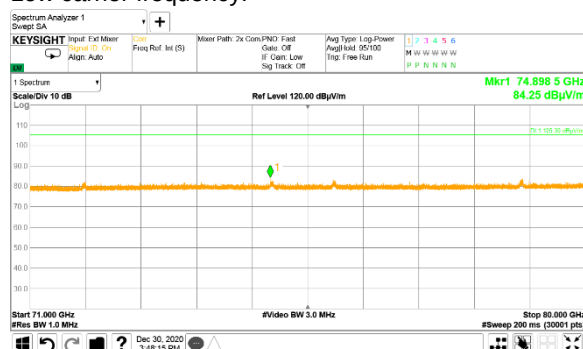


Test specification:		FCC Section 15.255(d)(3), RSS-210 section J.3, Out of band radiated emissions above 40 GHz	
Test procedure:		ANSI C63.10, Sections 9.9, 9.12	
Test mode:		Compliance	Verdict: PASS
Date(s):		18-Jan-21	
Temperature: 20 °C	Relative Humidity: 68 %	Air Pressure: 1015 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.4 Spurious emission measurements in 71 – 80 GHz range

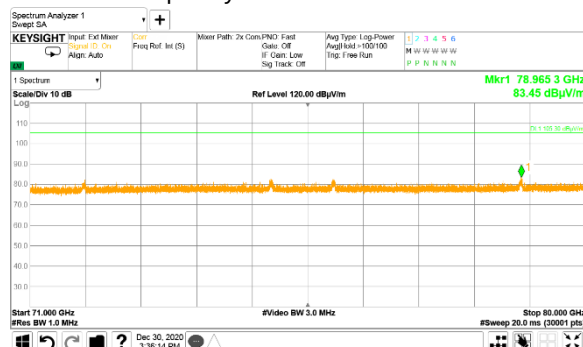
TEST SITE:
TEST DISTANCE:
MODULATION:
ANTENNA POLARIZATION:
DETECTOR: Peak RBW = 1 MHz; VBW = 3 MHz
Low carrier frequency:

OATS
3 m
QPSK
Vertical
DETECTOR: Peak RBW = 1 MHz; VBW = 30 kHz
58320 MHz



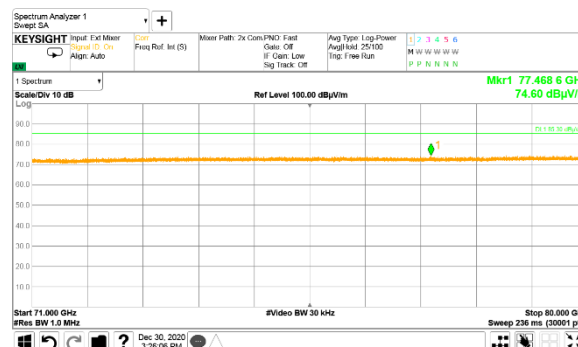
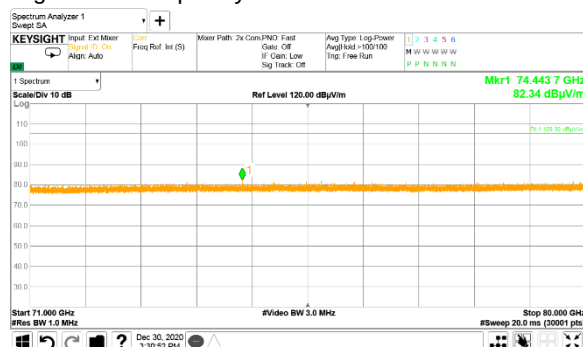
Mid carrier frequency:

60480 MHz



High carrier frequency:

62640 MHz

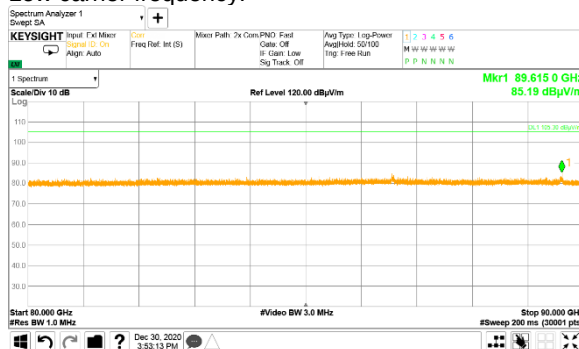


Test specification:		FCC Section 15.255(d)(3), RSS-210 section J.3, Out of band radiated emissions above 40 GHz	
Test procedure:		ANSI C63.10, Sections 9.9, 9.12	
Test mode:		Verdict: PASS	
Date(s):			
18-Jan-21			
Temperature: 20 °C	Relative Humidity: 68 %	Air Pressure: 1015 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.5 Spurious emission measurements in 80 – 90 GHz range

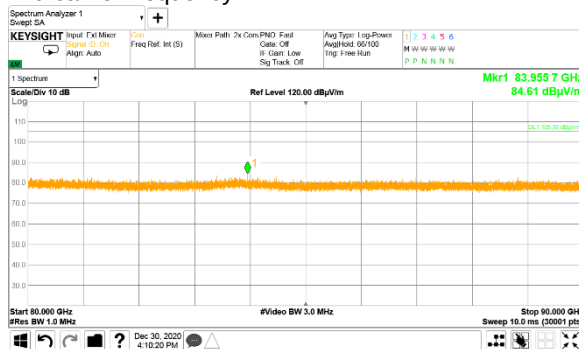
TEST SITE:
TEST DISTANCE:
MODULATION:
ANTENNA POLARIZATION:
DETECTOR: Peak
Low carrier frequency:

OATS
3 m
QPSK
Vertical and Horizontal
RBW = 1 MHz; VBW = 3 MHz
58320 MHz



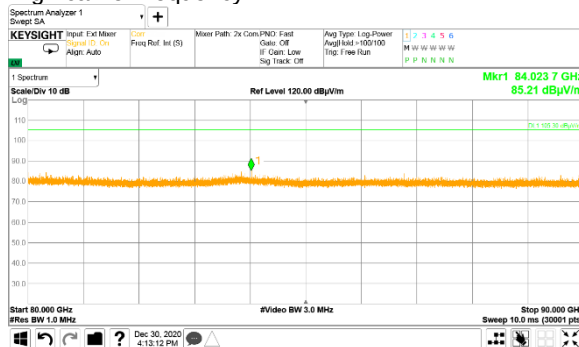
Mid carrier frequency:

60480 MHz



High carrier frequency:

62640 MHz



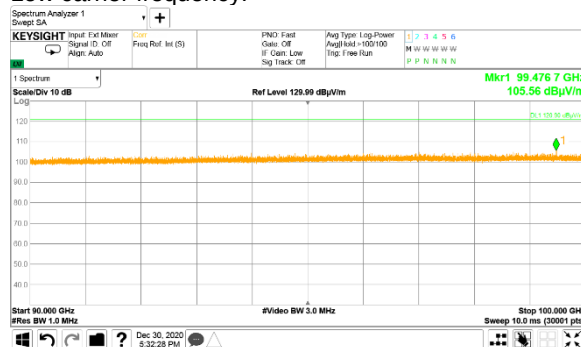


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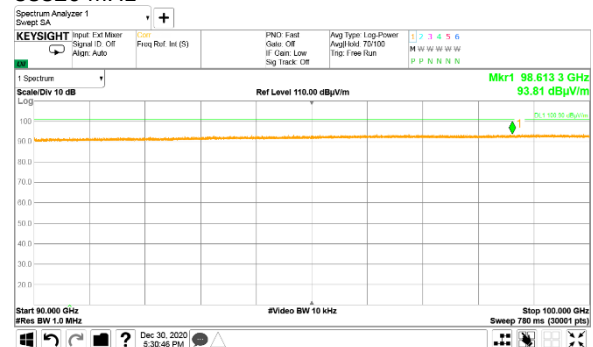
Test specification:		FCC Section 15.255(d)(3), RSS-210 section J.3, Out of band radiated emissions above 40 GHz	
Test procedure:		ANSI C63.10, Sections 9.9, 9.12	
Test mode:		Verdict: PASS	
Date(s):			
18-Jan-21			
Temperature: 20 °C	Relative Humidity: 68 %	Air Pressure: 1015 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.6 Spurious emission measurements in 90 – 100 GHz range

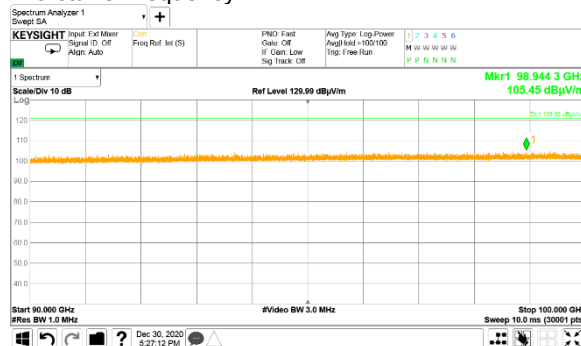
TEST SITE:
TEST DISTANCE:
MODULATION:
ANTENNA POLARIZATION:
DETECTOR: Peak RBW = 1 MHz; VBW = 3 MHz
Low carrier frequency:



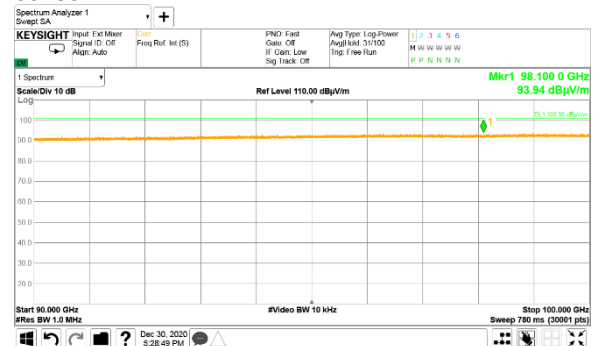
OATS
0.5 m
QPSK
Vertical and Horizontal
DETECTOR: Peak RBW = 1 MHz; VBW = 10 kHz
58320 MHz



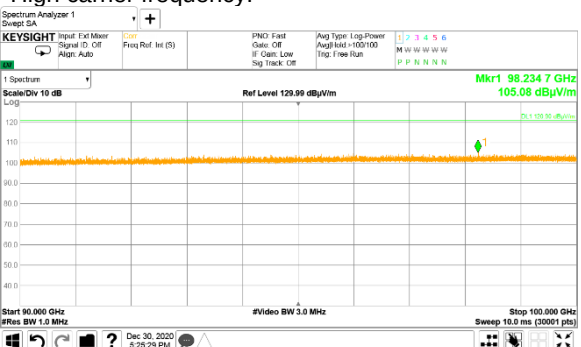
Mid carrier frequency:



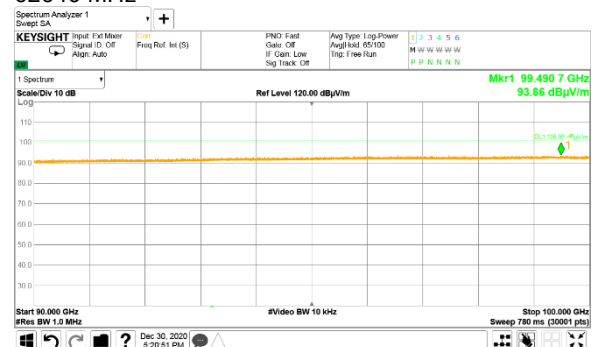
60480 MHz



High carrier frequency:



62640 MHz



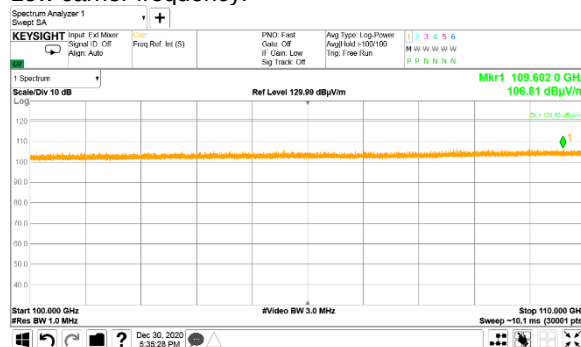


HERMON LABORATORIES

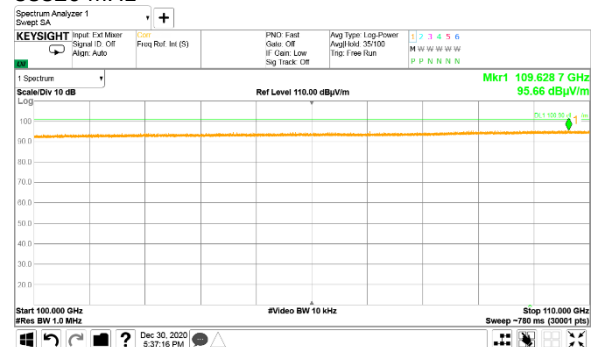
Test specification:		FCC Section 15.255(d)(3), RSS-210 section J.3, Out of band radiated emissions above 40 GHz	
Test procedure:		ANSI C63.10, Sections 9.9, 9.12	
Test mode:		Compliance	Verdict: PASS
Date(s):		18-Jan-21	
Temperature: 20 °C	Relative Humidity: 68 %	Air Pressure: 1015 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.7 Spurious emission measurements in 100 – 110 GHz range

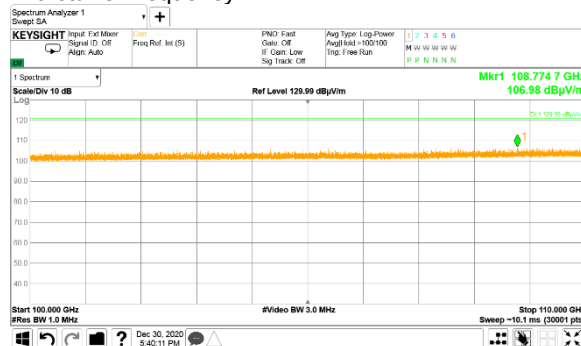
TEST SITE:
TEST DISTANCE:
MODULATION:
ANTENNA POLARIZATION:
DETECTOR: Peak RBW = 1 MHz; VBW = 3 MHz
Low carrier frequency:



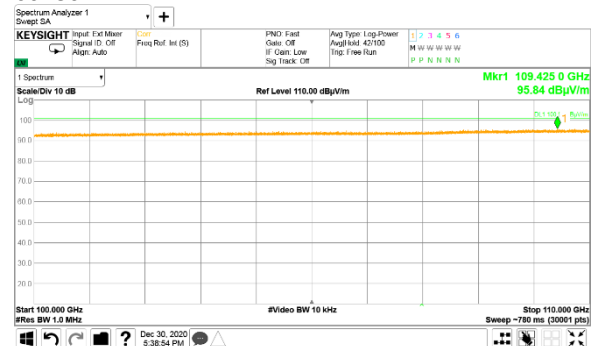
OATS
0.5 m
QPSK
Vertical and Horizontal
DETECTOR: Peak RBW = 1 MHz; VBW = 10 kHz
58320 MHz



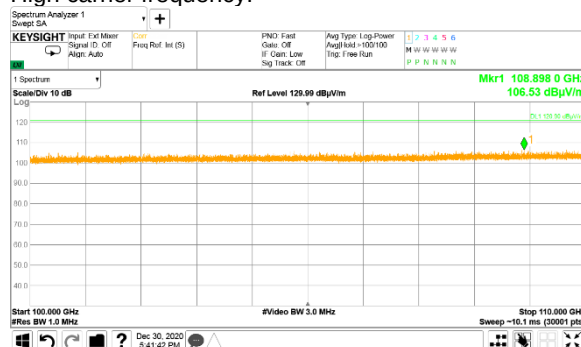
Mid carrier frequency:



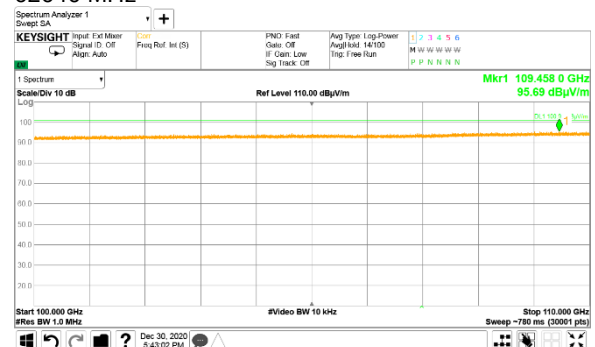
60480 MHz



High carrier frequency:



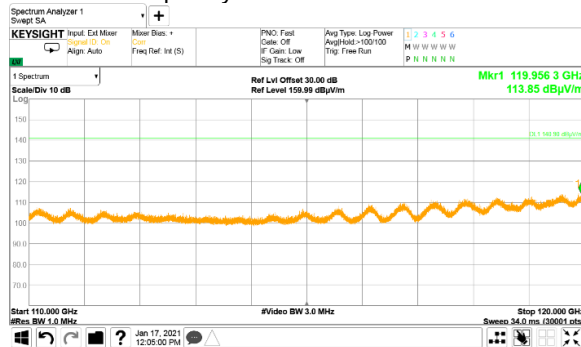
62640 MHz



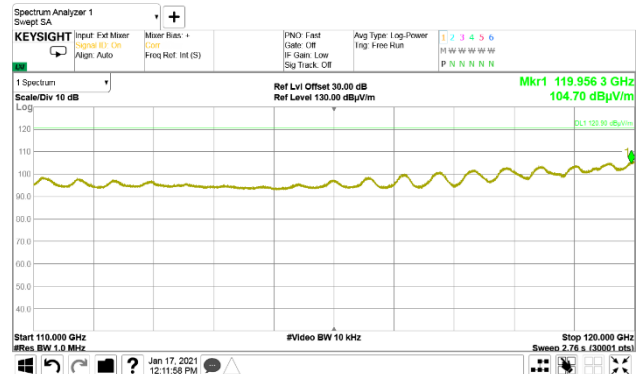
Test specification:		FCC Section 15.255(d)(3), RSS-210 section J.3, Out of band radiated emissions above 40 GHz	
Test procedure:		ANSI C63.10, Sections 9.9, 9.12	
Test mode:		Verdict: PASS	
Date(s):			
18-Jan-21			
Temperature: 20 °C	Relative Humidity: 68 %	Air Pressure: 1015 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.8 Spurious emission measurements in 110 – 120 GHz range

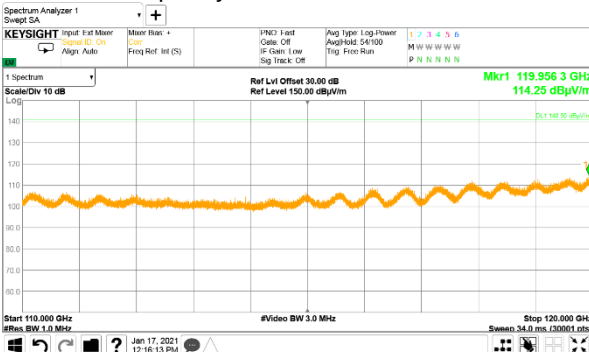
TEST SITE:
TEST DISTANCE:
MODULATION:
ANTENNA POLARIZATION:
DETECTOR: Peak RBW = 1 MHz; VBW = 3 MHz
Low carrier frequency:



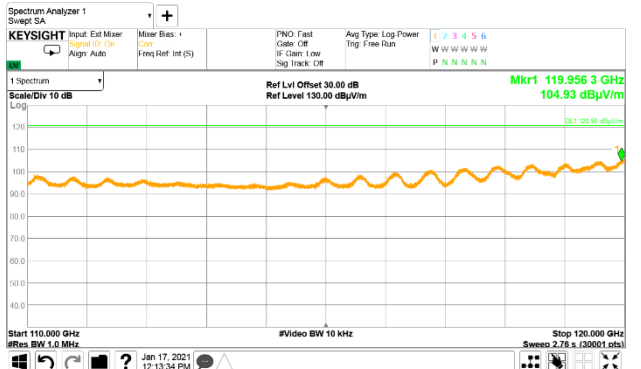
OATS
0.05 m
QPSK
Vertical and Horizontal
DETECTOR: Peak RBW = 1 MHz; VBW = 10 kHz
58320 MHz



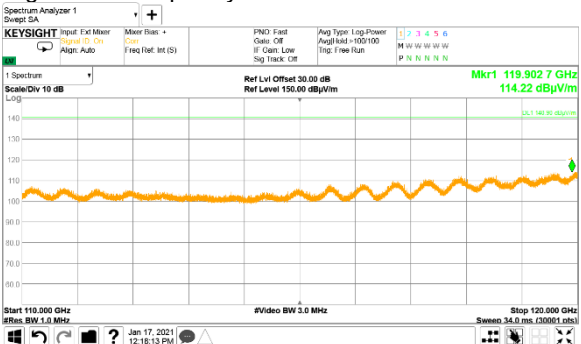
Mid carrier frequency:



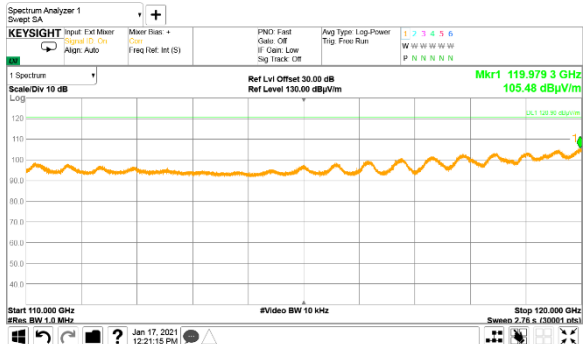
60480 MHz



High carrier frequency:



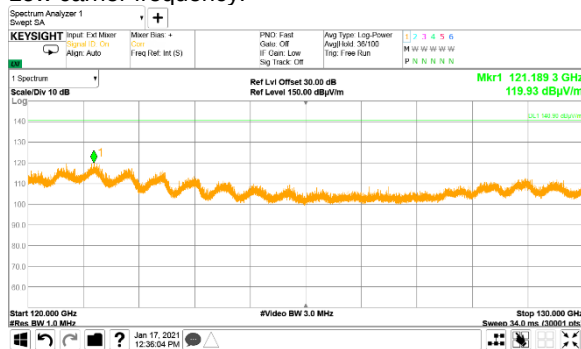
62640 MHz



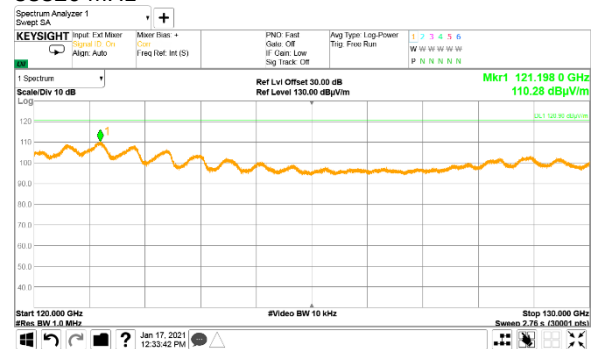
Test specification:		FCC Section 15.255(d)(3), RSS-210 section J.3, Out of band radiated emissions above 40 GHz	
Test procedure:		ANSI C63.10, Sections 9.9, 9.12	
Test mode:		Verdict: PASS	
Date(s):			
18-Jan-21			
Temperature: 20 °C	Relative Humidity: 68 %	Air Pressure: 1015 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.9 Spurious emission measurements in 120 – 130 GHz range

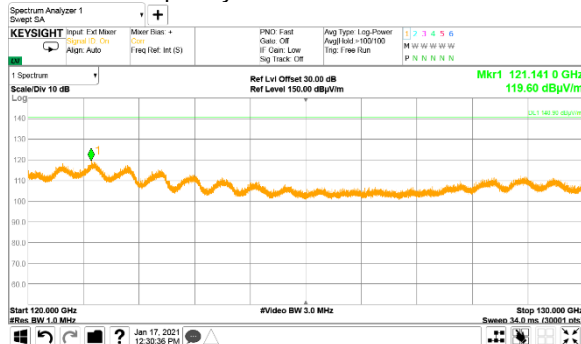
TEST SITE:
TEST DISTANCE:
MODULATION:
ANTENNA POLARIZATION:
DETECTOR: Peak RBW = 1 MHz; VBW = 3 MHz
Low carrier frequency:



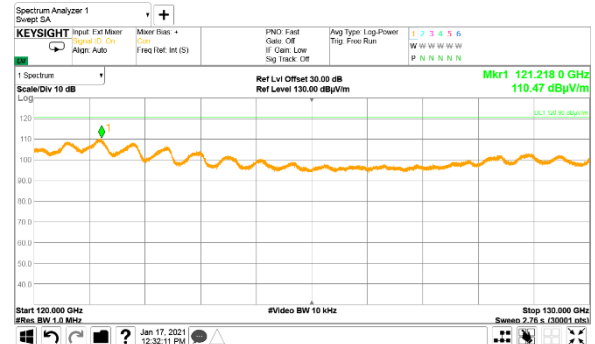
OATS
0.05 m
QPSK
Vertical and Horizontal
DETECTOR: Peak RBW = 1 MHz; VBW = 10 kHz
58320 MHz



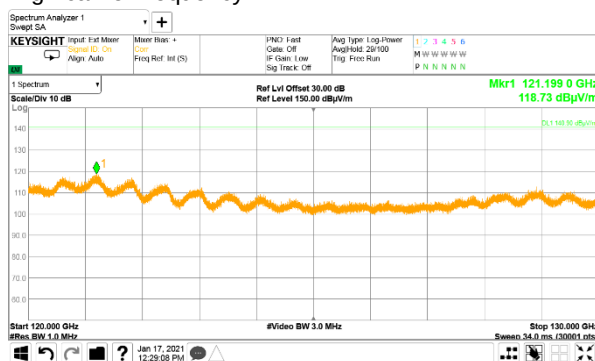
Mid carrier frequency:



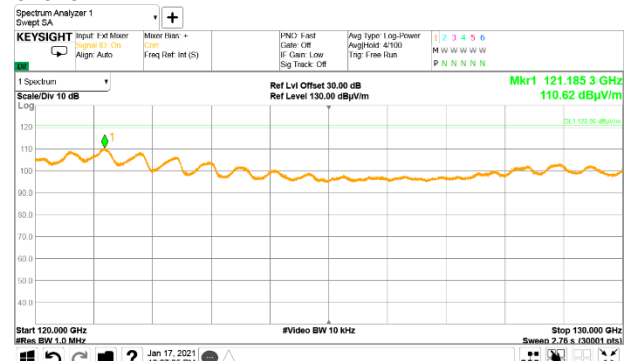
60480 MHz



High carrier frequency:



62640 MHz





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Report ID: SIKRAD_FCC.41073_Rev1

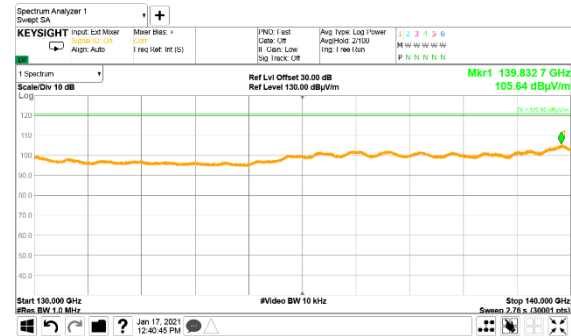
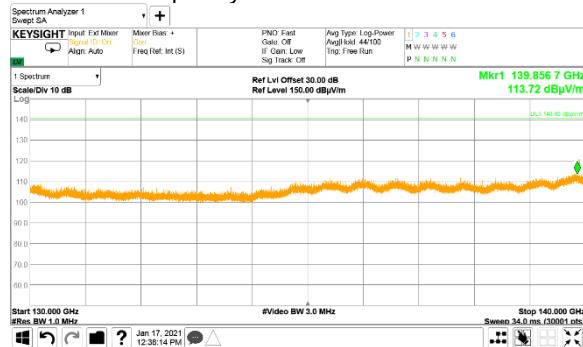
Date of Issue: 11-Mar-21

Test specification:		FCC Section 15.255(d)(3), RSS-210 section J.3, Out of band radiated emissions above 40 GHz	
Test procedure:		ANSI C63.10, Sections 9.9, 9.12	
Test mode:		Compliance	Verdict: PASS
Date(s):		18-Jan-21	
Temperature: 20 °C	Relative Humidity: 68 %	Air Pressure: 1015 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.10 Spurious emission measurements in 130 – 140 GHz range

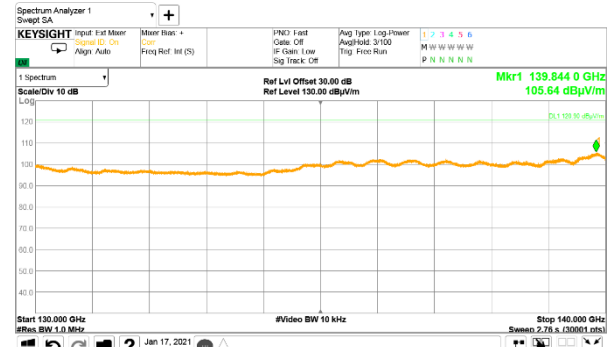
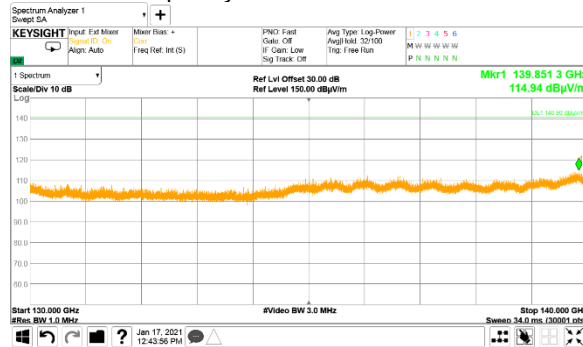
TEST SITE:
TEST DISTANCE:
MODULATION:
ANTENNA POLARIZATION:
DETECTOR: Peak RBW = 1 MHz; VBW = 3 MHz
Low carrier frequency:

OATS
0.05 m
QPSK
Vertical and Horizontal
DETECTOR: Peak RBW = 1 MHz; VBW = 10 kHz
58320 MHz



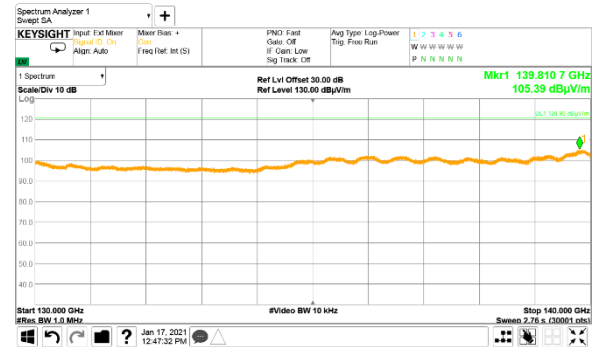
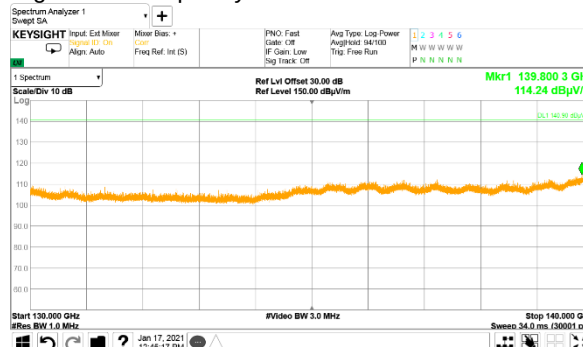
Mid carrier frequency:

60480 MHz



High carrier frequency:

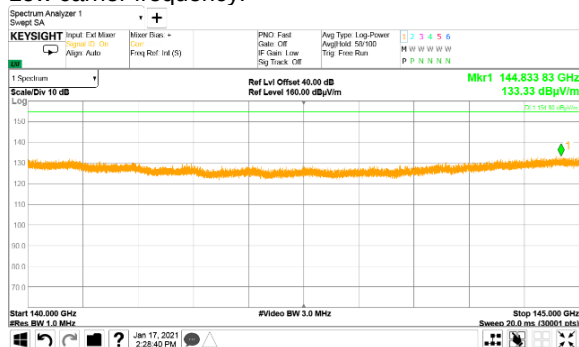
62640 MHz



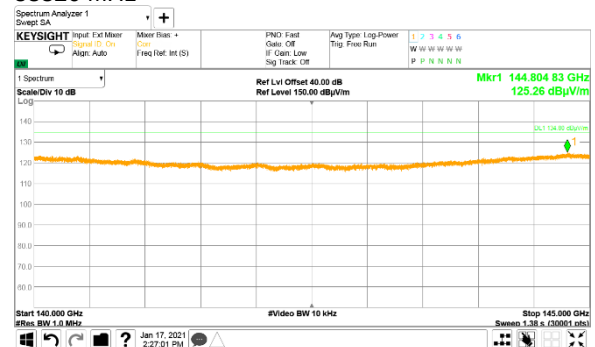
Test specification:		FCC Section 15.255(d)(3), RSS-210 section J.3, Out of band radiated emissions above 40 GHz	
Test procedure:		ANSI C63.10, Sections 9.9, 9.12	
Test mode:		Verdict: PASS	
Date(s):			
18-Jan-21			
Temperature: 20 °C	Relative Humidity: 68 %	Air Pressure: 1015 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.11 Spurious emission measurements in 140 – 145 GHz range

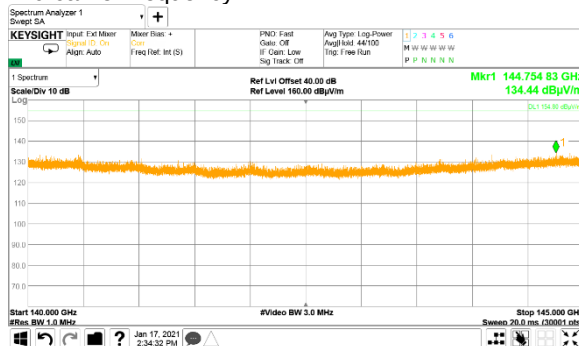
TEST SITE:
TEST DISTANCE:
MODULATION:
ANTENNA POLARIZATION:
DETECTOR: Peak RBW = 1 MHz; VBW = 3 MHz
Low carrier frequency:



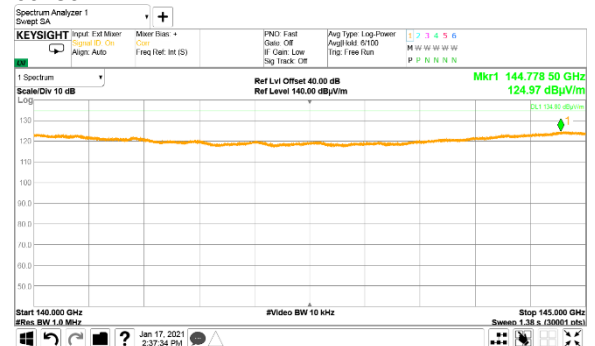
OATS
0.01 m
QPSK
Vertical and Horizontal
DETECTOR: Peak RBW = 1 MHz; VBW = 10 kHz
58320 MHz



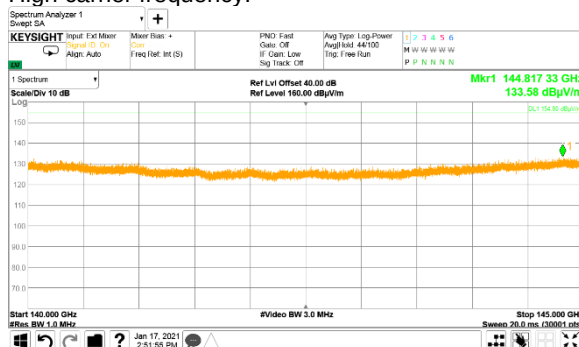
Mid carrier frequency:



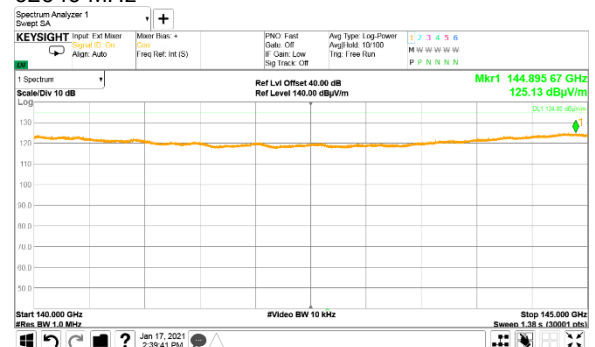
60480 MHz



High carrier frequency:



62640 MHz





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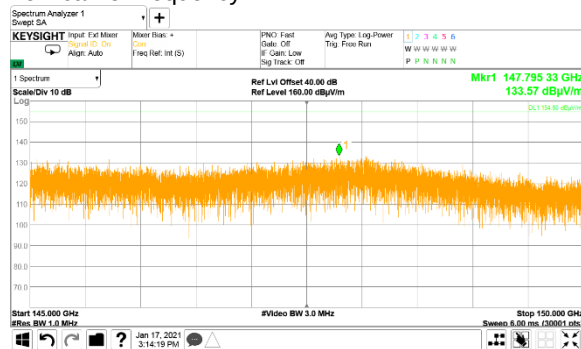
Report ID: SIKRAD_FCC.41073_Rev1

Date of Issue: 11-Mar-21

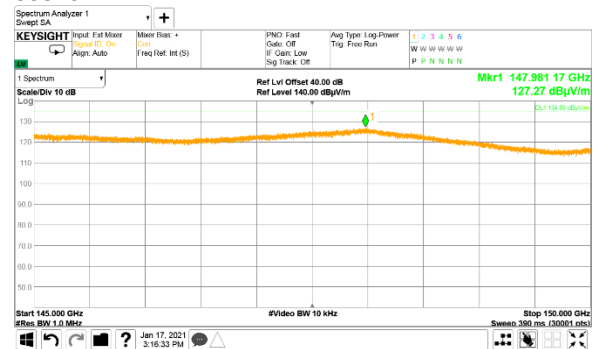
Test specification:		FCC Section 15.255(d)(3), RSS-210 section J.3, Out of band radiated emissions above 40 GHz	
Test procedure:		ANSI C63.10, Sections 9.9, 9.12	
Test mode:		Compliance	Verdict: PASS
Date(s):		18-Jan-21	
Temperature: 20 °C	Relative Humidity: 68 %	Air Pressure: 1015 hPa	Power: 48 VDC
Remarks:			

Plot 7.4.12 Spurious emission measurements in 145 – 150 GHz range

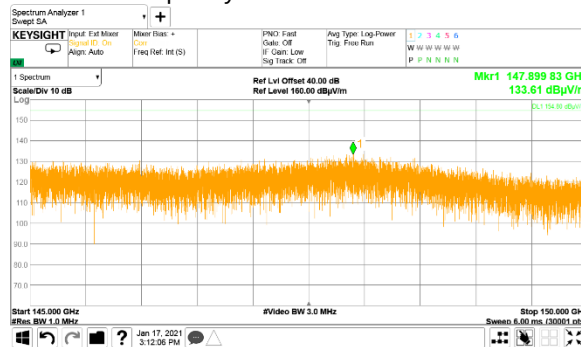
TEST SITE:
TEST DISTANCE:
MODULATION:
ANTENNA POLARIZATION:
DETECTOR: Peak RBW = 1 MHz; VBW = 3 MHz
Low carrier frequency:



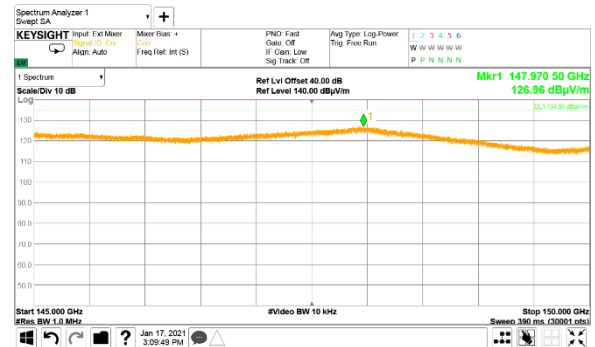
OATS
0.01 m
QPSK
Vertical and Horizontal
DETECTOR: Peak RBW = 1 MHz; VBW = 10 kHz
58320 MHz



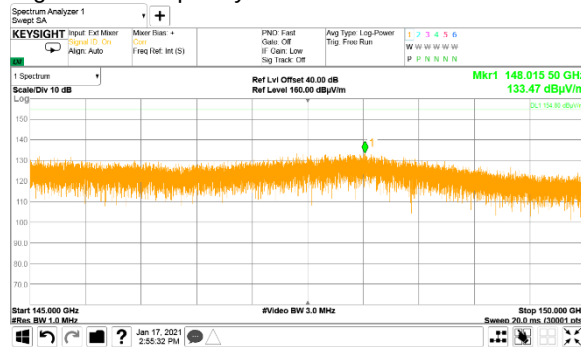
Mid carrier frequency:



60480 MHz



High carrier frequency:



62640 MHz

