

TEST REPORT

ACCORDING TO: FCC 47 CFR part 15 section 15.255 and subpart B;
RSS-210 issue 10 Annex J, RSS-Gen issue 5

FOR:

Siklu Communication Ltd.
MultiHaul™ Terragraph Point-to-Multipoint wireless
V-Band system operating in 57-66GHz
Model: MH-N366-CCS-PoE-MWB
FCC ID: 2ACYESK-MH60TG-A1
IC: 12353A-MH60TGA1

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1 Applicant information

Client name: Siklu Communication Ltd.
Address: 43 Hasivim street, Petach-Tikva 49517, Israel
Telephone: +972 3921 4015
Fax: +972 3921 4162
E-mail: igor.f@siklu.com
Contact name: Mr. Igor Efimov

2 Equipment under test attributes

Product name: MiltiHaul™ Terragraph Point-to-Multipoint wireless V-Band system operating in 57-66GHz
Product type: Transceiver
Model(s): MH-N366-CCS-PoE-MWB
Serial number: S040000014
Hardware version: A0
Software release: SW 1.0
Receipt date 28-Oct-20

3 Manufacturer information

Manufacturer name: Siklu Communication Ltd.
Address: 43 Hasivim street, Petach-Tikva 49517, Israel
Telephone: +972 3921 4015
Fax: +972 3921 4162
E-Mail: igor.f@siklu.com
Contact name: Mr. Igor Efimov

4 Test details

Project ID: 40852
Location: Hermon Laboratories Ltd. P.O. Box 23, Binyamina 3055001, Israel
Test started: 22-Oct-20
Test completed: 24-Nov-20
Test specification(s): FCC 47 CFR part 15 section 15.255 and subpart B;
RSS-210 issue 10 Annex J; RSS-Gen issue 5 with Am.1

5 Tests summary

Test	Status
Transmitter characteristics	
FCC section 15.255(b)(ii),(d) / RSS-210 section J.2.2(b), J.4, Transmitter power and power spectral density	Pass
FCC section 15.215(c)/ RSS-210 section J.4(c), RSS-Gen, Section 6.7, Occupied bandwidth	Pass
FCC section 15.255(d)(2)/ RSS-210 section J.3, Radiated spurious emissions below 40 GHz	Pass
FCC section 15.255(d)(3)/ RSS-210 section J.3, Radiated emissions outside assigned band and above 40 GHz up to 200 GHz	Pass
FCC section 15.255(f)/ RSS-210 section J.6, Frequency stability	Pass
FCC Section 15.207(a)/ RSS-Gen, section 8.8, Conducted emission	Pass
FCC section 15.255(g)/ RSS-Gen, section 3.4, RF exposure	Pass, exhibit included in Application for certification
Unintentional emissions	
FCC Section 15.107, Conducted emission at AC power port	Pass

Testing was completed against all relevant requirements of the test standard. The results obtained indicate that the product under test complies in full with the requirements tested.

The test results relate only to the items tested. Pass/ fail decision was based on nominal values.

	Name and Title	Date	Signature
Tested by:	Mr. A. Morozov, test engineer, EMC & Radio	22-Oct-20 – 24-Nov-20	
Reviewed by:	Mrs. S. Peysahov Sheynin, test engineer, EMC & Radio	15-Jan-21	
Approved by:	Mr. S. Samokha, technical manager, EMC & Radio	08-Feb-21	

6 EUT description

Note: The following data in this clause is provided by the customer and represents his sole responsibility

6.1 General information

The EUT is the MultiHaul Node-TG N366 60GHz 4 Sectors system (TG) consists of 4 Sector operating in 57-66 GHz regulated V-band over millimeter waves in a self-backhaul redundant mesh and connecting a suite of TG Terminal Units (TU-TG).

6.2 Ports and lines

Port type	Port description	Conected from	Connected to	Qty.	Cable type	Cable length, m
Telecom	Ethernet 1-POE	EUT	POE	1	Shielded	100
Telecom	Ethernet 2-PSE	EUT	Laptop	1	Shielded	100
Telecom	Ethernet 3-SFP	EUT	Not Connected	1	Fiber optic	100
Telecom	USB	EUT	For Maintanance Only	1	NA	NA

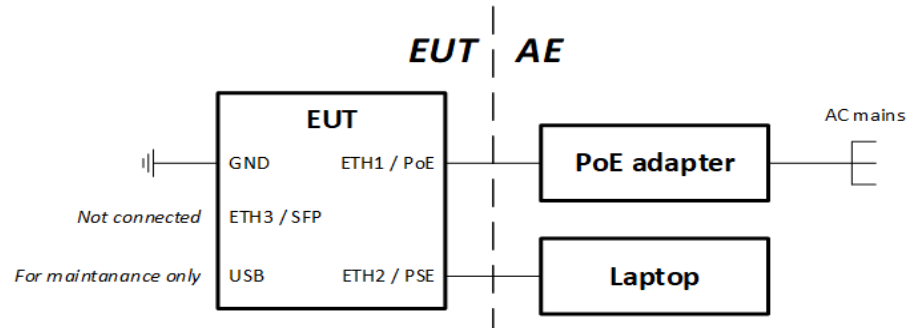
6.3 Support and test equipment

Description	Manufacturer	Model number	Serial number
Laptop	Lenovo	X220	R9L080Z
PoE adapter	Power Dsine Microsemi	PD-9501GC/AC	C18466280000000058

6.4 Changes made in the EUT

No changes were performed in the EUT during testing.

6.5 Test configuration





6.6 Transmitter characteristics

Type of equipment				
V	Stand-alone (Equipment with or without its own control provisions)			
	Combined equipment (Equipment where the radio part is fully integrated within another type of equipment)			
	Plug-in card (Equipment intended for a variety of host systems)			
Intended use		Condition of use		
V	fixed	Always at a distance more than 2 m from all people		
	mobile	Always at a distance more than 20 cm from all people		
	portable	May operate at a distance closer than 20 cm to human body		
Assigned frequency range		57.0 GHz – 66.0 GHz		
Operating frequency range		58320 -64800 MHz		
Test frequencies		58320 MHz, 62640 MHz, 64800 MHz		
Maximum rated output power		EIRP	40.46 dBm	
Is transmitter output power variable?		V	No	
			Yes	continuous variable
			stepped variable with stepsize	dB
			minimum RF power	dBm
			maximum RF power	
Antenna connection				
unique coupling	standard connector	V	Integral	
		with temporary RF connector		
		without temporary RF connector		
Antenna/s technical characteristics				
Type	Manufacturer	Model number	Gain	
Patch antenna array	Siklu	PCB240A	22.5 dBi	
Transmitter 99% power bandwidth, MHz		Transmitter aggregate data rate/s, Mbps	Type of modulation	
2084.3		4600	16QAM	
Type of multiplexing		TDD		
Transmitter power source				
		Nominal rated voltage	Battery type	
V	DC	Nominal rated voltage	48 V via POE	
		Voltage range		
	AC mains	Nominal rated voltage	120 V	
		Frequency	60 Hz	
Common power source for transmitter and receiver		V	yes	
			no	



Test specification: FCC Section 15.255(b)(ii),(d), RSS-210 section J.2.2(b), J.4, Transmitter power and power spectral density			
Test procedure: 47 CFR, Section 2.1046; Section 15.255(b); ANSI C63.10, Sections 9.4, 9.5			
Test mode: Compliance		Verdict: PASS	
Date(s): 01-Nov-20			
Temperature: 24 °C	Relative Humidity: 49 %	Air Pressure: 1013 hPa	Power: 48 VDC
Remarks:			

7 Transmitter tests

7.1 Transmitter power test

7.1.1 General

This test was performed to measure the peak output power. Specification test limits are given in Table 7.1.1.

Table 7.1.1 Output power limits

Assigned frequency range, MHz	Maximum output power			
	Peak conducted output power		EIRP, dBm	
	mW	dBm	Peak	Average
57000 – 66000	500	27.0	43	40

7.1.2 Test procedure

- 7.1.2.1 The EUT was set up as shown in Figure 7.1.1, energized and its proper operation was checked.
- 7.1.2.2 The EUT was adjusted to produce maximum available for end user RF output power.
- 7.1.2.3 The average and peak voltage was measured at the low and high frequency channels with oscilloscope connected to RF detector and provided in the associated plots.
- 7.1.2.4 The unmodulated signal was applied to Zero-Biased Detector via variable attenuator as shown in Figure 7.1.2.
- 7.1.2.5 The variable attenuator was adjusted such that the oscilloscope indicated a voltage equal to the peak voltage recorded in the step 7.1.2.3.
- 7.1.2.6 The variable attenuator was disconnected from the Zero-Biased Detector.
- 7.1.2.7 Without changing any settings, the variable attenuator was connected to a power meter as shown in Figure 7.1.3.
- 7.1.2.8 The power was measured and result was recorded in Table 7.1.2 and Table 7.1.3.
- 7.1.2.9 The steps 7.1.2.4 through 7.1.2.8 were repeated for the average voltage recorded in the step 7.1.2.3 and 7.1.2.4.



Test specification:		FCC Section 15.255(b)(ii),(d), RSS-210 section J.2.2(b), J.4, Transmitter power and power spectral density	
Test procedure:		47 CFR, Section 2.1046; Section 15.255(b); ANSI C63.10, Sections 9.4, 9.5	
Test mode:		Verdict: PASS	
Date(s):			
01-Nov-20			
Temperature: 24 °C	Relative Humidity: 49 %	Air Pressure: 1013 hPa	Power: 48 VDC
Remarks:			

Figure 7.1.1 Peak output power test setup

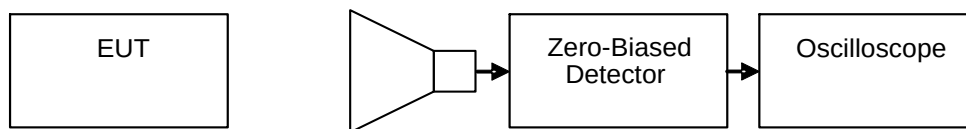


Figure 7.1.2 Peak output power test setup

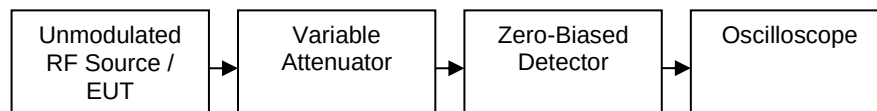
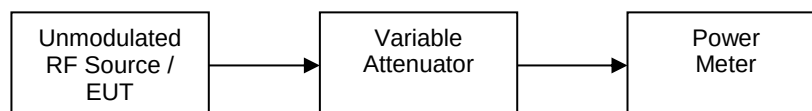


Figure 7.1.3 Peak output power test setup





Test specification: FCC Section 15.255(b)(ii),(d), RSS-210 section J.2.2(b), J.4, Transmitter power and power spectral density			
Test procedure: 47 CFR, Section 2.1046; Section 15.255(b); ANSI C63.10, Sections 9.4, 9.5			
Test mode: Compliance		Verdict: PASS	
Date(s): 01-Nov-20			
Temperature: 24 °C	Relative Humidity: 49 %	Air Pressure: 1013 hPa	Power: 48 VDC
Remarks:			

Table 7.1.2 Peak output power test results

ASSIGNED FREQUENCY RANGE: 57.0 – 71.0 GHz
 DETECTOR USED: Peak
 MEASUREMENTS DISTANCE: 1 m
 TRANSMITTER OUTPUT POWER SETTINGS: Maximum
 EUT ANTENNA GAIN: 24 dBi
 MODULATION: 16QAM
 ANTENNA # 1

Frequency, MHz	λ^* , m	DSO, mV	Power measured, dBm	Antenna Gain, dBi	E_{meas}^{**} , dBuV/m	EIRP ^{***} , dBm	Limit, dBm	Margin ^{****} , dB	Verdict
58320	0.005144	5.06	-6.35	24.0	142.22	37.52	43.0	-5.48	Pass
62640	0.004789	10.84	-4.03	24.0	145.16	40.46	43.0	-2.54	Pass
64800	0.004630	10.92	-4.48	24.0	145.01	40.31	43.0	-2.69	Pass

ANTENNA # 2

Frequency, MHz	λ^* , m	DSO, mV	Power measured, dBm	Antenna Gain, dBi	E_{meas}^{**} , dBuV/m	EIRP ^{***} , dBm	Limit, dBm	Margin ^{****} , dB	Verdict
58320	0.005144	5.14	-6.15	24.0	142.42	37.72	43.0	-5.28	Pass
62640	0.004789	10.58	-4.13	24.0	145.06	40.36	43.0	-2.64	Pass
64800	0.004630	10.98	-4.50	24.0	144.99	40.29	43.0	-2.71	Pass

ANTENNA # 3

Frequency, MHz	λ^* , m	DSO, mV	Power measured, dBm	Antenna Gain, dBi	E_{meas}^{**} , dBuV/m	EIRP ^{***} , dBm	Limit, dBm	Margin ^{****} , dB	Verdict
58320	0.005144	5.30	-6.06	24.0	142.51	37.81	43.0	-5.19	Pass
62640	0.004789	10.78	-4.03	24.0	145.16	40.46	43.0	-2.54	Pass
64800	0.004630	10.20	-5.00	24.0	144.49	39.79	43.0	-3.21	Pass

ANTENNA # 4

Frequency, MHz	λ^* , m	DSO, mV	Power measured, dBm	Antenna Gain, dBi	E_{meas}^{**} , dBuV/m	EIRP ^{***} , dBm	Limit, dBm	Margin ^{****} , dB	Verdict
58320	0.005144	4.42	-6.75	24.0	141.82	37.12	43.0	-5.88	Pass
62640	0.004789	10.56	-4.14	24.0	145.05	40.35	43.0	-2.65	Pass
64800	0.004630	10.78	-4.49	24.0	145.00	40.30	43.0	-2.70	Pass

Note: Max peak conducted power is 40.46 dBm – 24 dBi = 16.46 dBm

* - $\lambda = 300/\text{Frequency(MHz)}$

** - $E_{\text{meas}} = 126.8 - 20\log(\lambda) + \text{Power measured} - \text{Measurement Antenna Gain (24 dBi)}$

*** - $\text{EIRP} = E_{\text{meas}} + 20\log(\text{Measurements distance}) - 104.7$

**** - $\text{Margin} = \text{EIRP} - \text{Limit}$



Test specification: FCC Section 15.255(b)(ii),(d), RSS-210 section J.2.2(b), J.4, Transmitter power and power spectral density			
Test procedure: 47 CFR, Section 2.1046; Section 15.255(b); ANSI C63.10, Sections 9.4, 9.5			
Test mode: Compliance		Verdict: PASS	
Date(s): 01-Nov-20			
Temperature: 24 °C	Relative Humidity: 49 %	Air Pressure: 1013 hPa	Power: 48 VDC
Remarks:			

Table 7.1.3 Average output power test results

ASSIGNED FREQUENCY RANGE: 57.0 – 71.0 GHz
 DETECTOR USED: Average
 MEASUREMENTS DISTANCE: 1 m
 TRANSMITTER OUTPUT POWER SETTINGS: Maximum
 EUT ANTENNA GAIN: 24 dBi
 MODULATION: 16QAM
 ANTENNA # 1

Frequency, MHz	λ^* , m	DSO, mV	Power measured, dBm	Antenna Gain, dBi	E_{meas}^{**} , dBuV/m	EIRP ^{***} , dBm	Limit, dBm	Margin ^{****} , dB	Verdict
58320	0.005144	3.95	-7.33	24.0	141.24	36.54	40.0	-3.46	Pass
62640	0.004789	9.80	-4.56	24.0	144.63	39.93	40.0	-0.07	Pass
64800	0.004630	9.74	-4.99	24.0	144.50	39.80	40.0	-0.20	Pass

ANTENNA # 2

Frequency, MHz	λ^* , m	DSO, mV	Power measured, dBm	Antenna Gain, dBi	E_{meas}^{**} , dBuV/m	EIRP ^{***} , dBm	Limit, dBm	Margin ^{****} , dB	Verdict
58320	0.005144	3.72	-7.42	24.0	141.15	36.45	40.0	-3.55	Pass
62640	0.004789	9.59	-4.53	24.0	144.66	39.96	40.0	-0.04	Pass
64800	0.004630	9.53	-5.10	24.0	144.39	39.69	40.0	-0.31	Pass

ANTENNA # 3

Frequency, MHz	λ^* , m	DSO, mV	Power measured, dBm	Antenna Gain, dBi	E_{meas}^{**} , dBuV/m	EIRP ^{***} , dBm	Limit, dBm	Margin ^{****} , dB	Verdict
58320	0.005144	3.81	-7.33	24.0	141.24	36.54	40.0	-3.46	Pass
62640	0.004789	9.77	-4.55	24.0	144.64	39.94	40.0	-0.06	Pass
64800	0.004630	9.24	-5.20	24.0	144.29	39.59	40.0	-0.41	Pass

ANTENNA # 4

Frequency, MHz	λ^* , m	DSO, mV	Power measured, dBm	Antenna Gain, dBi	E_{meas}^{**} , dBuV/m	EIRP ^{***} , dBm	Limit, dBm	Margin ^{****} , dB	Verdict
58320	0.005144	3.33	-7.93	24.0	140.64	35.94	40.0	-4.06	Pass
62640	0.004789	9.56	-4.54	24.0	144.65	39.95	40.0	-0.05	Pass
64800	0.004630	9.59	-4.98	24.0	144.51	39.81	40.0	-0.19	Pass

* - $\lambda = 300/\text{Frequency(MHz)}$

** - $E_{\text{meas}} = 126.8 - 20\log(\lambda) + \text{Power measured} - \text{Measurement Antenna Gain (24 dBi)}$

*** - $\text{EIRP} = E_{\text{meas}} + 20\log(\text{Measurements distance}) - 104.7$

**** - $\text{Margin} = \text{EIRP} - \text{Limit}$

Reference numbers of test equipment used

HL 0770	HL 0771	HL 3290	HL 3291	HL 3293	HL 3301	HL 3302	HL 4343
HL 4856	HL 5360	HL 5409	HL 5710				
Power meter Agilent E4419B S/N MY40330349 Calibration due 15-Oct-2022							
Power sensor Agilent V8486A S/N MY58340003 Calibration due 14-Jan-2021							

Full description is given in Appendix A.



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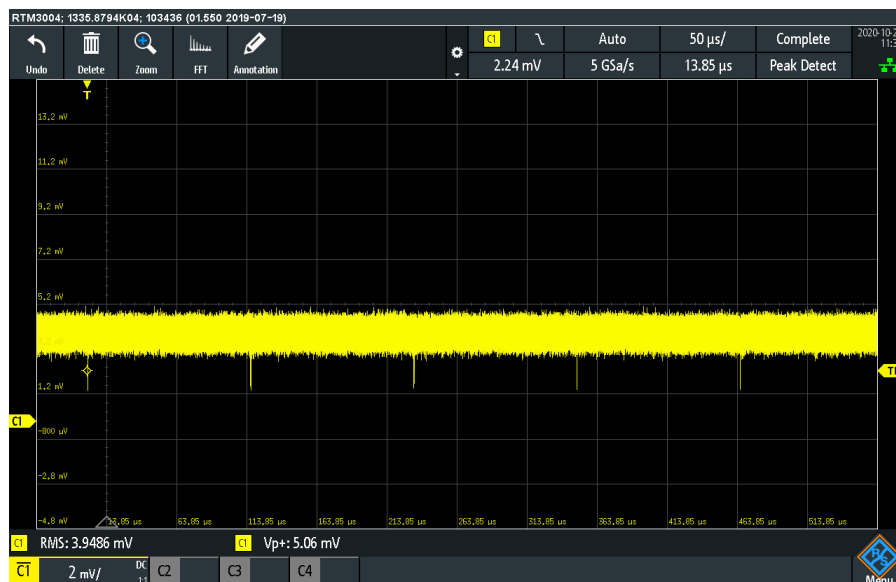
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Date of Issue: 8-Feb-21

Test specification:		FCC Section 15.255(b)(ii),(d), RSS-210 section J.2.2(b), J.4, Transmitter power and power spectral density	
Test procedure:		47 CFR, Section 2.1046; Section 15.255(b); ANSI C63.10, Sections 9.4, 9.5	
Test mode:		Verdict: PASS	
Date(s):			
01-Nov-20			
Temperature: 24 °C	Relative Humidity: 49 %	Air Pressure: 1013 hPa	Power: 48 VDC
Remarks:			

Plot 7.1.1 Output power test result at the 58.32 GHz frequency

DETECTOR:	Peak/Average
MODULATION:	16QAM
ANTENNA #	1



DETECTOR:	Peak/Average
MODULATION:	16QAM
ANTENNA #	2





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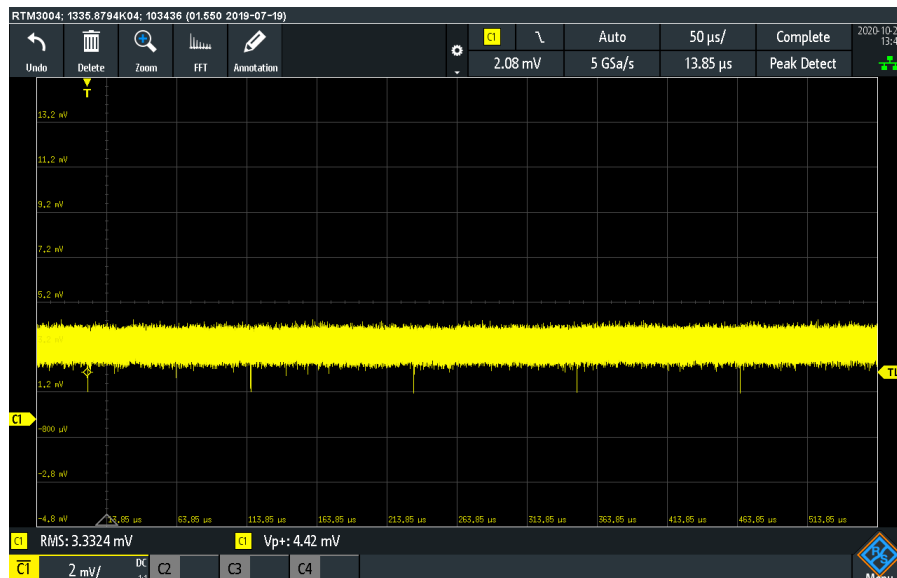
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Test procedure:		47 CFR, Section 2.1046; Section 15.255(b); ANSI C63.10, Sections 9.4, 9.5	
Test mode:		Verdict: PASS	
Date(s):			
01-Nov-20			
Temperature: 24 °C	Relative Humidity: 49 %	Air Pressure: 1013 hPa	Power: 48 VDC
Remarks:			

Plot 7.1.2 Output power test result at the 58.32 GHz frequency

DETECTOR:	Peak/Average
MODULATION:	16QAM
ANTENNA #	3



DETECTOR:	Peak/Average
MODULATION:	16QAM
ANTENNA #	4





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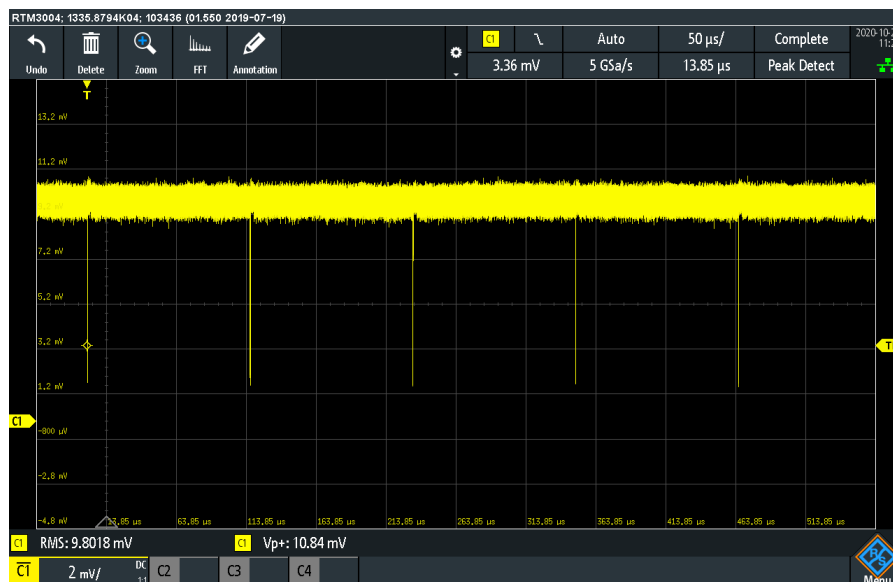
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Date of Issue: 8-Feb-21

Test specification:		FCC Section 15.255(b)(ii),(d), RSS-210 section J.2.2(b), J.4, Transmitter power and power spectral density	
Test procedure:		47 CFR, Section 2.1046; Section 15.255(b); ANSI C63.10, Sections 9.4, 9.5	
Test mode:		Verdict: PASS	
Date(s):			
01-Nov-20			
Temperature: 24 °C	Relative Humidity: 49 %	Air Pressure: 1013 hPa	Power: 48 VDC
Remarks:			

Plot 7.1.3 Output power test result at the 62.64 GHz frequency

DETECTOR:	Peak/Average
MODULATION:	16QAM
ANTENNA #	1



DETECTOR:	Peak/Average
MODULATION:	16QAM
ANTENNA #	2





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Date of Issue: 8-Feb-21

Test specification:		FCC Section 15.255(b)(ii),(d), RSS-210 section J.2.2(b), J.4, Transmitter power and power spectral density	
Test procedure:		47 CFR, Section 2.1046; Section 15.255(b); ANSI C63.10, Sections 9.4, 9.5	
Test mode:		Verdict: PASS	
Date(s):			
01-Nov-20			
Temperature: 24 °C	Relative Humidity: 49 %	Air Pressure: 1013 hPa	Power: 48 VDC
Remarks:			

Plot 7.1.4 Output power test result at the 62.64 GHz frequency

DETECTOR:	Peak/Average
MODULATION:	16QAM
ANTENNA #	3



DETECTOR:	Peak/Average
MODULATION:	16QAM
ANTENNA #	4





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Test specification: FCC Section 15.255(b)(ii),(d), RSS-210 section J.2.2(b), J.4, Transmitter power and power spectral density			
Test procedure: 47 CFR, Section 2.1046; Section 15.255(b); ANSI C63.10, Sections 9.4, 9.5			
Test mode: Compliance		Verdict: PASS	
Date(s): 01-Nov-20			
Temperature: 24 °C	Relative Humidity: 49 %	Air Pressure: 1013 hPa	Power: 48 VDC
Remarks:			

Plot 7.1.5 Output power test result at the 64.80 GHz frequency

DETECTOR:	Peak/Average
MODULATION:	16QAM
ANTENNA #	1



DETECTOR:	Peak/Average
MODULATION:	16QAM
ANTENNA #	2





HERMON LABORATORIES

Report ID: SIKRAD_FCC.40852

Date of Issue: 8-Feb-21

Test specification:		FCC Section 15.255(b)(ii),(d), RSS-210 section J.2.2(b), J.4, Transmitter power and power spectral density	
Test procedure:		47 CFR, Section 2.1046; Section 15.255(b); ANSI C63.10, Sections 9.4, 9.5	
Test mode:		Verdict: PASS	
Date(s):			
01-Nov-20			
Temperature: 24 °C	Relative Humidity: 49 %	Air Pressure: 1013 hPa	Power: 48 VDC
Remarks:			

Plot 7.1.6 Output power test result at the 64.80 GHz frequency

DETECTOR:	Peak/Average
MODULATION:	16QAM
ANTENNA #	3



DETECTOR:	Peak/Average
MODULATION:	16QAM
ANTENNA #	4





Test specification:		FCC Section 15.215(c), RSS-210 section J.4(c), RSS-Gen section 6.7, Occupied bandwidth	
Test procedure:		47 CFR, Section 2.1049, ANSI C63.10, Section 9.3	
Test mode:		Verdict: PASS	
Date(s):			
11-Mar-20			
Temperature: 25 °C	Relative Humidity: 43 %	Air Pressure: 1015 hPa	Power: 48 VDC
Remarks:			

7.2 Occupied bandwidth test

7.2.1 General

This test was performed to measure transmitter occupied bandwidth. Specification test limits are given in Table 7.2.1

Table 7.2.1 Occupied bandwidth limits

Assigned frequency range, MHz	Modulation envelope reference points	
57000 - 71000	6 dBc	99%

NOTE: Modulation envelope reference points provided in terms of attenuation below unmodulated carrier.

7.2.2 Test procedure

7.2.2.1 The EUT was set up as shown in Figure 7.2.1, energized and its proper operation was checked.

7.2.2.2 The EUT was set to transmit modulated carrier as provided in Table 7.2.2.

7.2.2.3 The transmitter occupied bandwidth was measured with spectrum analyzer as frequency delta between reference points on modulation envelope. The test results are provided in Table 7.2.2 and the associated plots.

Figure 7.2.1 Occupied bandwidth test setup





Test specification:		FCC Section 15.215(c), RSS-210 section J.4(c), RSS-Gen section 6.7, Occupied bandwidth	
Test procedure:		47 CFR, Section 2.1049, ANSI C63.10, Section 9.3	
Test mode:		Verdict: PASS	
Date(s):			
11-Mar-20			
Temperature: 25 °C	Relative Humidity: 43 %	Air Pressure: 1015 hPa	Power: 48 VDC
Remarks:			

Table 7.2.2 Occupied bandwidth test results

OPERATING FREQUENCY RANGE:

57000 –66000 MHz

DETECTOR USED:

Peak

Frequency, GHz	Antenna #	Occupied bandwidth 6 dBc, MHz	Occupied bandwidth 99%, MHz	Verdict
58.32	1	1542.0	2033.7	Pass
	2	1534.0	1987.7	Pass
	3	1397.0	1935.9	Pass
	4	1392.0	1939.3	Pass
62.64	1	1515.0	2084.3	Pass
	2	1525.0	2047.6	Pass
	3	1624.0	1939.2	Pass
	4	1627.0	2040.6	Pass
64.80	1	1528.0	1997.4	Pass
	2	1324.0	2056.9	Pass
	3	1453.0	1944.9	Pass
	4	1467.0	1976.9	Pass

Reference numbers of test equipment used

HL 0770	HL 0771	HL 3290	HL 3291				
Waveguide harmonic mixer M1971E S/N MY56130269 Calibration due 15-Jan-2022							

Full description is given in Appendix A.



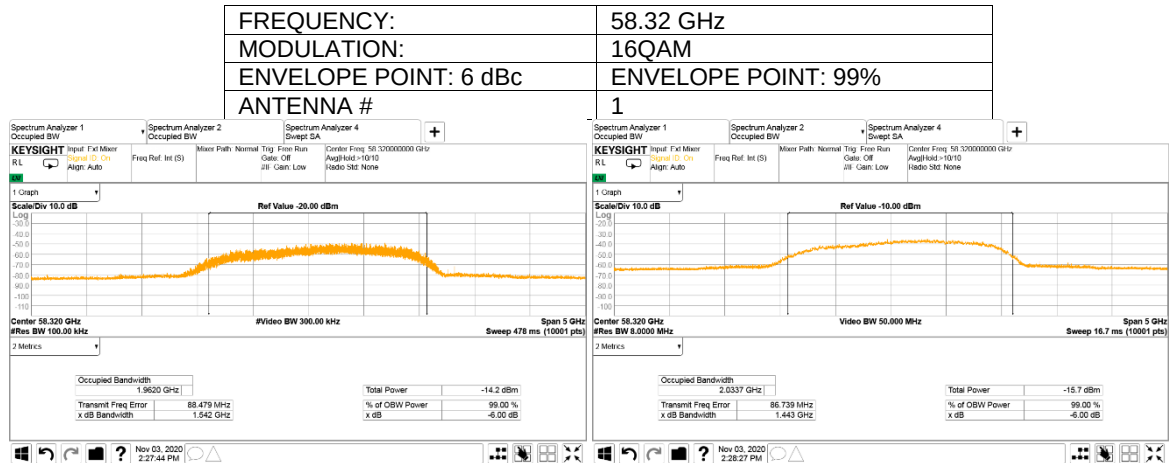
HERMON LABORATORIES

Report ID: SIKRAD_FCC.40852

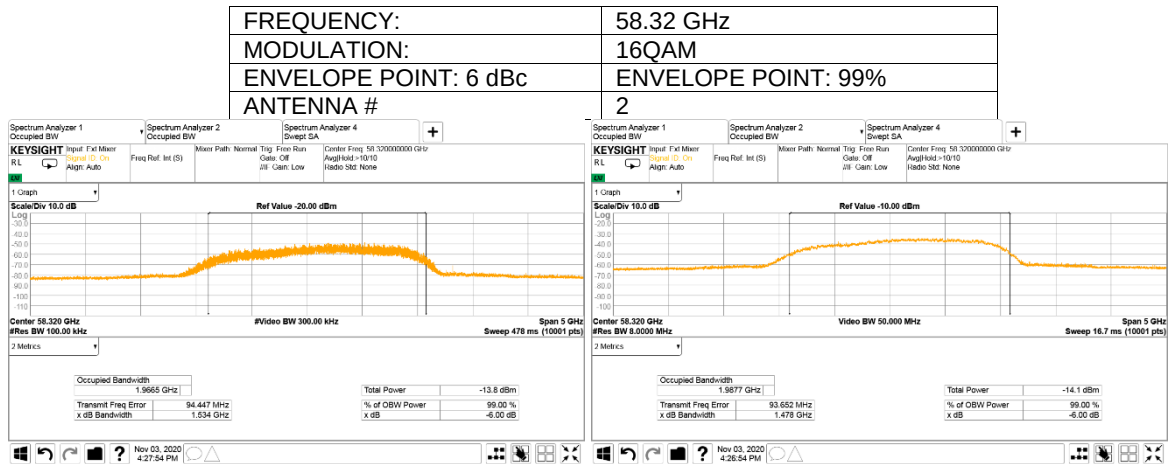
Date of Issue: 8-Feb-21

Test specification:	FCC Section 15.215(c), RSS-210 section J.4(c), RSS-Gen section 6.7, Occupied bandwidth		
Test procedure:	47 CFR, Section 2.1049, ANSI C63.10, Section 9.3		
Test mode:	Compliance	Verdict:	PASS
Date(s):	11-Mar-20		
Temperature: 25 °C	Relative Humidity: 43 %	Air Pressure: 1015 hPa	Power: 48 VDC
Remarks:			

Plot 7.2.1 The 6dBc and 99% occupied bandwidth



Plot 7.2.2 The 6dBc and 99% occupied bandwidth





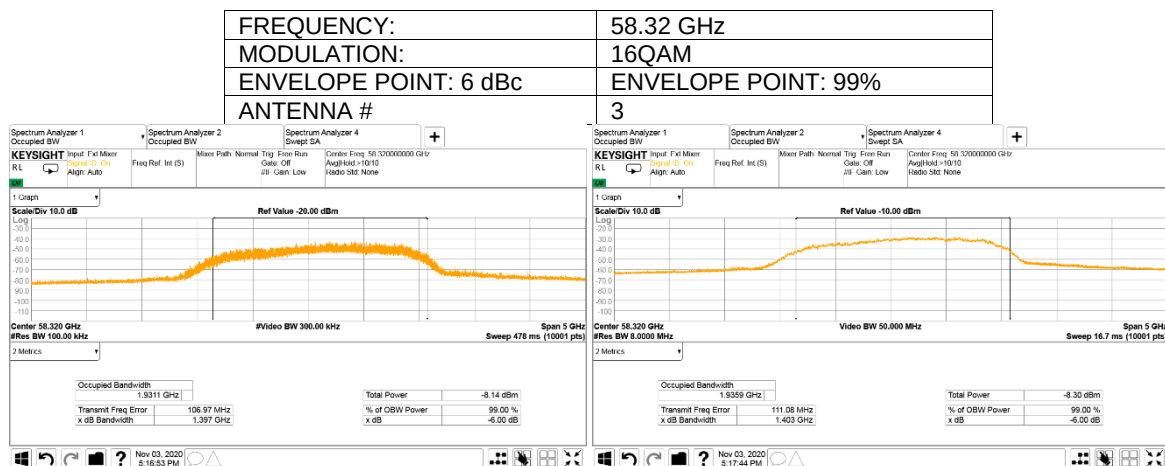
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Report ID: SIKRAD_FCC.40852

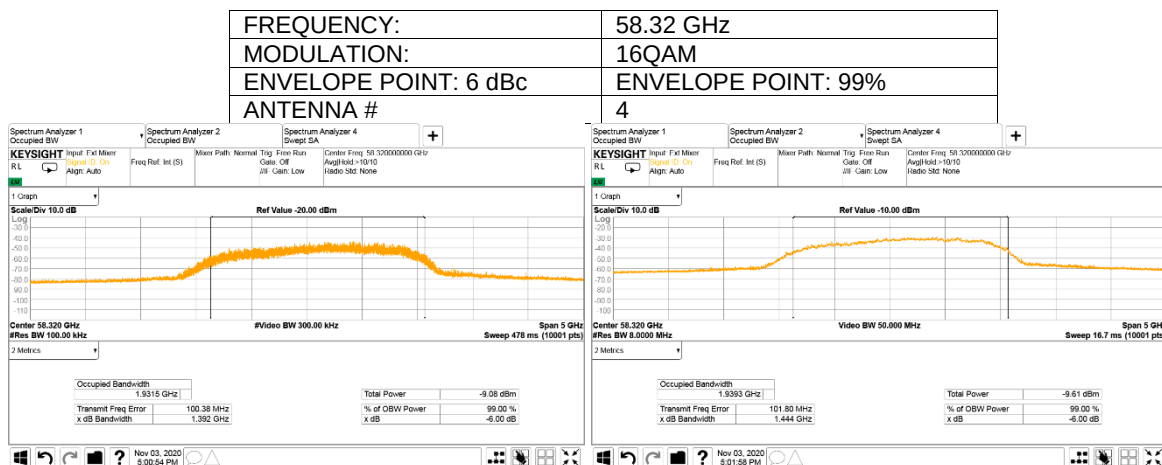
Date of Issue: 8-Feb-21

Test specification:	FCC Section 15.215(c), RSS-210 section J.4(c), RSS-Gen section 6.7, Occupied bandwidth		
Test procedure:	47 CFR, Section 2.1049, ANSI C63.10, Section 9.3		
Test mode:	Compliance	Verdict:	PASS
Date(s):	11-Mar-20		
Temperature: 25 °C	Relative Humidity: 43 %	Air Pressure: 1015 hPa	Power: 48 VDC
Remarks:			

Plot 7.2.3 The 6dBc and 99% occupied bandwidth



Plot 7.2.4 The 6dBc and 99% occupied bandwidth





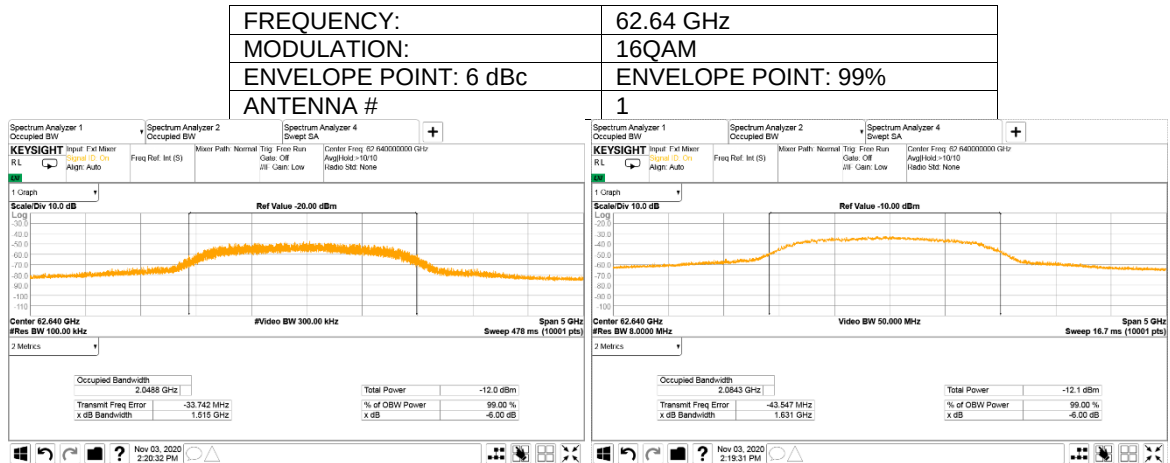
HERMON LABORATORIES

Report ID: SIKRAD_FCC.40852

Date of Issue: 8-Feb-21

Test specification:	FCC Section 15.215(c), RSS-210 section J.4(c), RSS-Gen section 6.7, Occupied bandwidth		
Test procedure:	47 CFR, Section 2.1049, ANSI C63.10, Section 9.3		
Test mode:	Compliance	Verdict:	PASS
Date(s):	11-Mar-20		
Temperature: 25 °C	Relative Humidity: 43 %	Air Pressure: 1015 hPa	Power: 48 VDC
Remarks:			

Plot 7.2.5 The 6dBc and 99% occupied bandwidth



Plot 7.2.6 The 6dBc and 99% occupied bandwidth

