

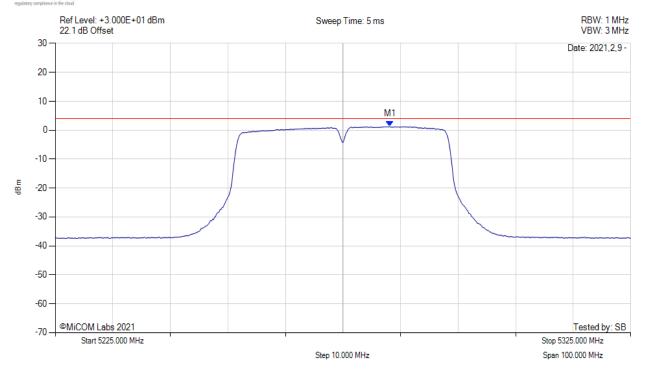
To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5275.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5283.200 MHz: 1.261 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5283.200 MHz : 1.305 dBm	Margin: -2.7 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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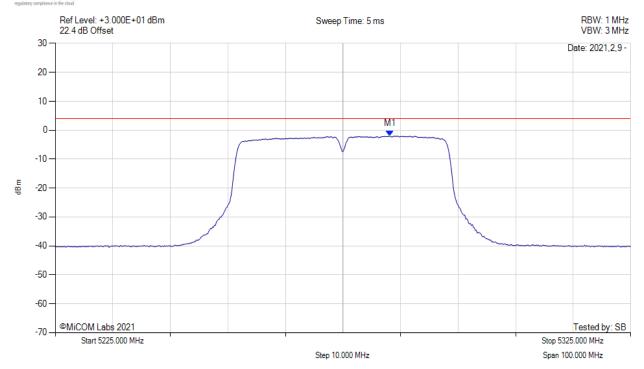
**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY

MiTest.

Variant: 40MHz, Channel: 5275.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5283.200 MHz: -2.028 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5283.200 MHz : -1.984 dBm	Margin: -6.0 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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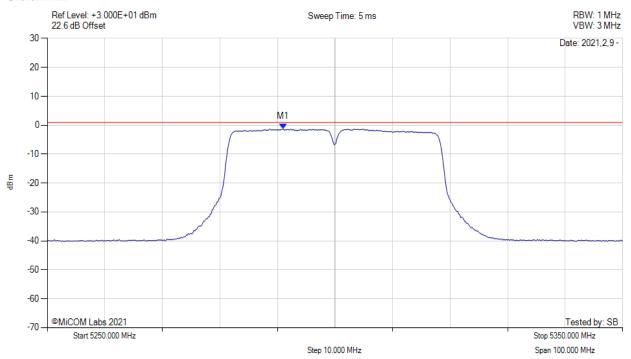
o: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5291.000 MHz: -1.220 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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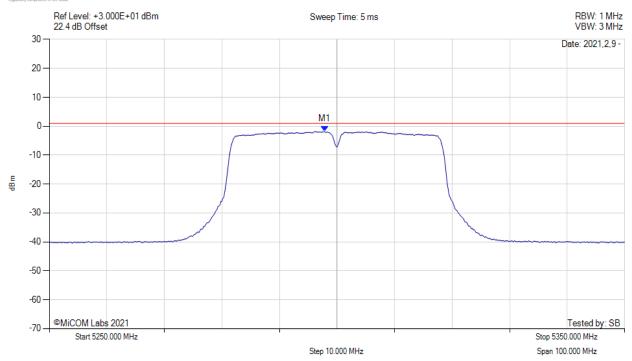
o: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5297.830 MHz: -1.822 dBm	Channel Frequency: 5300.00 MHz
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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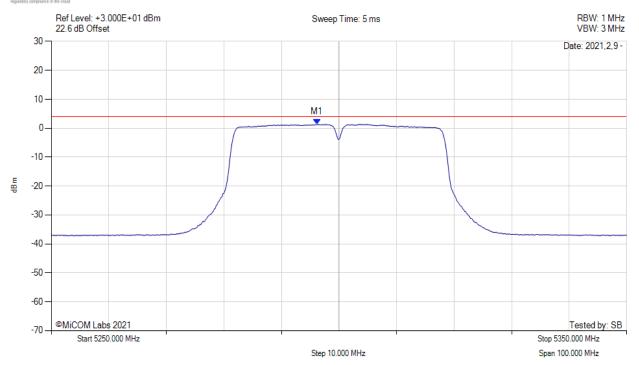
To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY

MiTest

Variant: 40MHz, Channel: 5300.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5296.200 MHz: 1.380 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5296.200 MHz : 1.424 dBm	Margin: -2.6 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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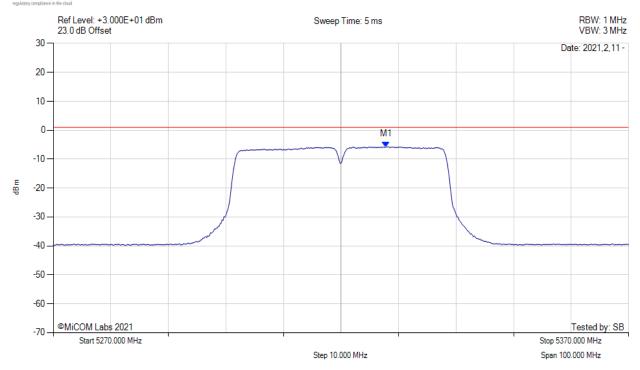
o: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5320.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5327.830 MHz: -5.737 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

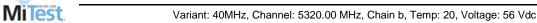
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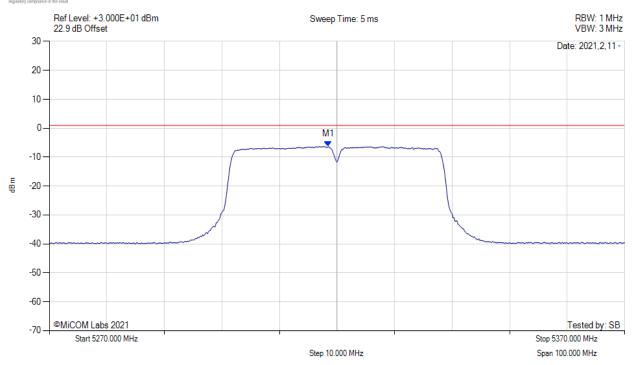


**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY





Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5318.500 MHz: -6.235 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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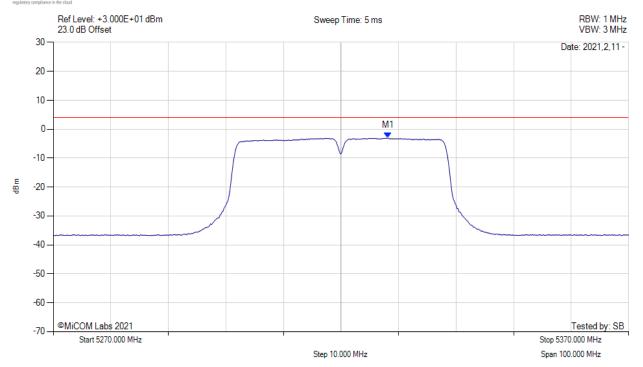
To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY

MiTest.

Variant: 40MHz, Channel: 5320.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5328.200 MHz: -3.055 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5328.200 MHz : -3.011 dBm	Margin: -7.0 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	_
Trace Mode = VIEW		

back to matrix

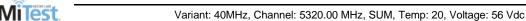
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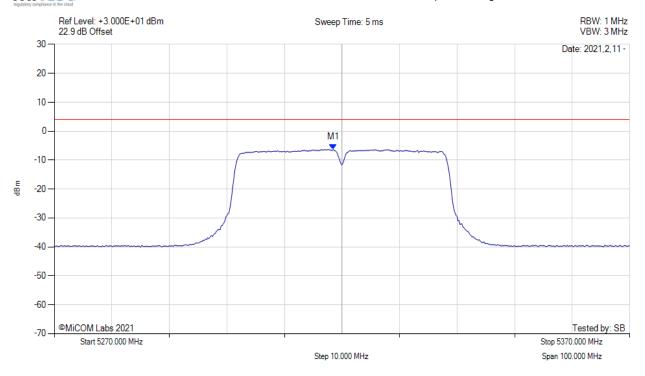


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY





Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5318.500 MHz: -6.235 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5318.500 MHz : -6.191 dBm	Margin: -10.2 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

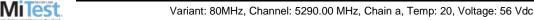
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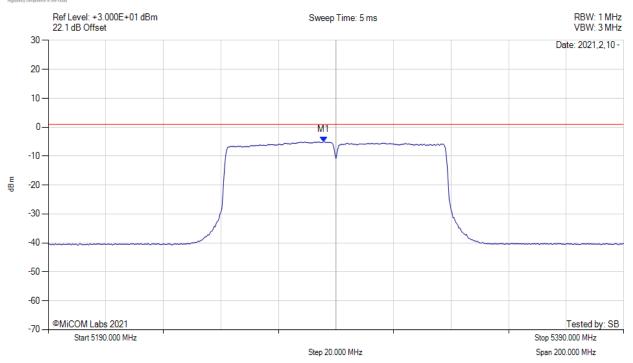


**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY





Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5285.700 MHz: -5.069 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

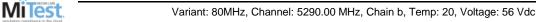
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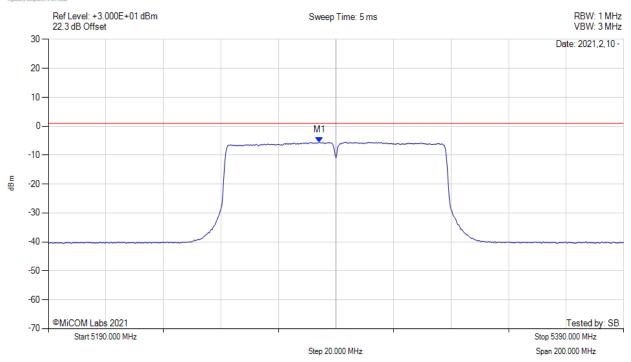


**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY





Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5284.300 MHz: -5.508 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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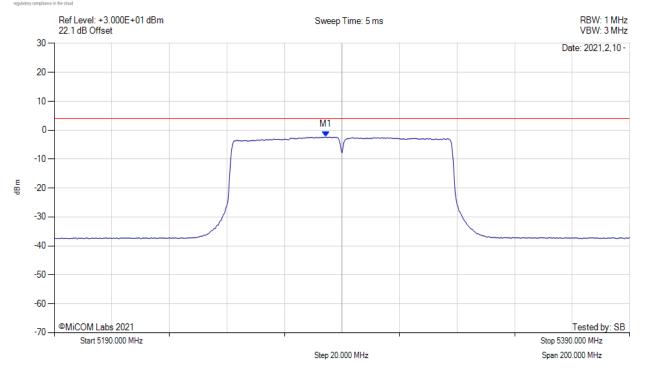
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY



Variant: 80MHz, Channel: 5290.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5284.300 MHz: -2.307 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5284.300 MHz : -2.263 dBm	Margin: -6.3 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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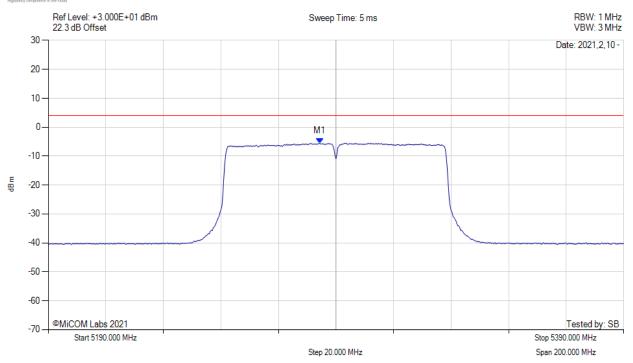
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY



Variant: 80MHz, Channel: 5290.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5284.300 MHz: -5.508 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5284.300 MHz : -5.464 dBm	Margin: -9.5 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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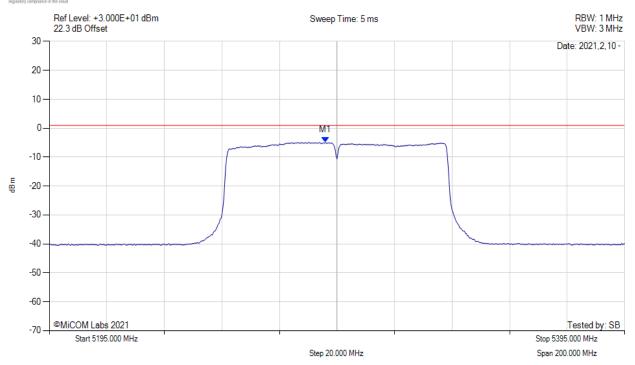


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Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY

Variant: 80MHz, Channel: 5295.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5291.000 MHz: -4.889 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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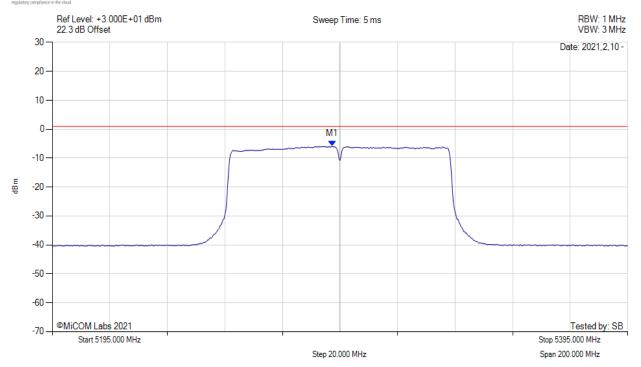


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Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY





Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5292.300 MHz: -5.926 dBm	Channel Frequency: 5295.00 MHz
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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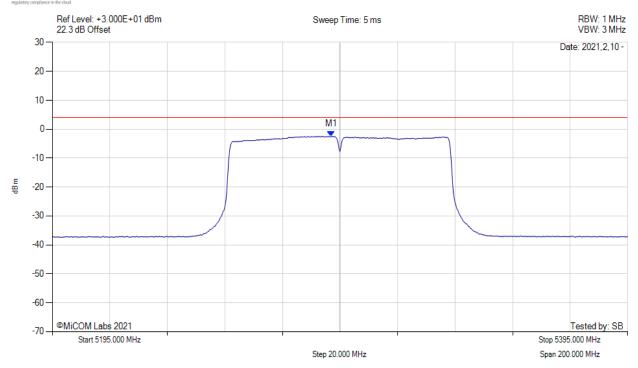


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY

Variant: 80MHz, Channel: 5295.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5292.000 MHz: -2.457 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5292.000 MHz : -2.413 dBm	Margin: -6.4 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

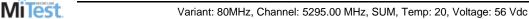
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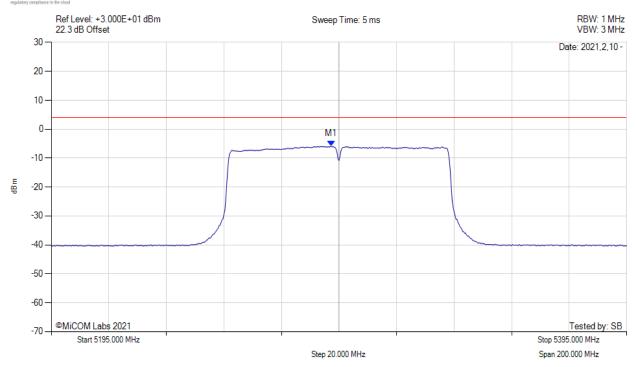


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Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY





Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5292.300 MHz: -5.926 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5292.300 MHz : -5.882 dBm	Margin: -9.9 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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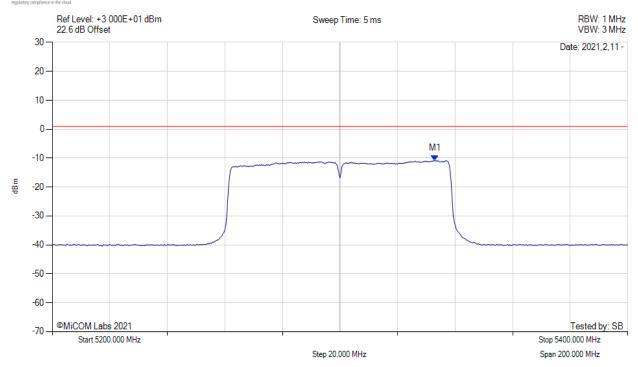


**b:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY

Variant: 80MHz, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1:5333.000 MHz:-10.807 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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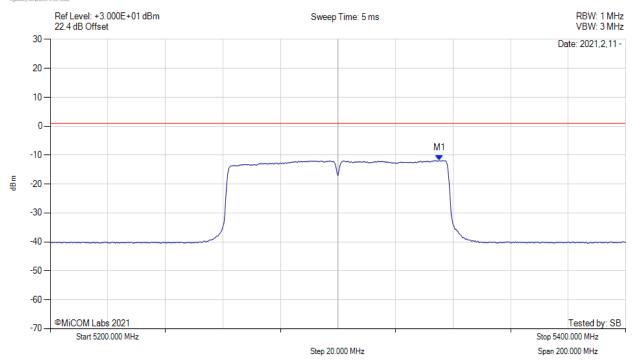
o: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY



Variant: 80MHz, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1:5335.300 MHz:-11.741 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

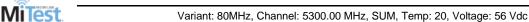
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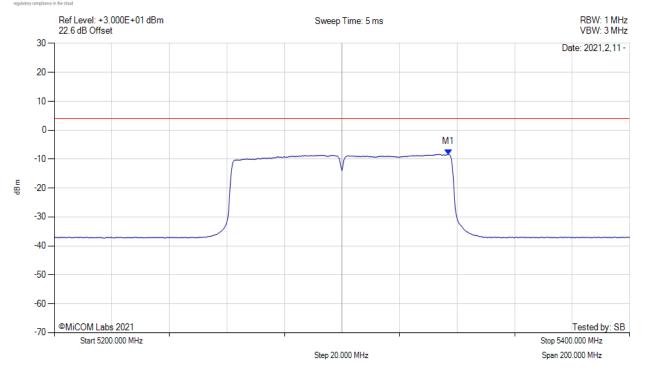


o: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY





Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5337.000 MHz: -8.375 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5337.000 MHz : -8.331 dBm	Margin: -12.3 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

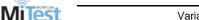
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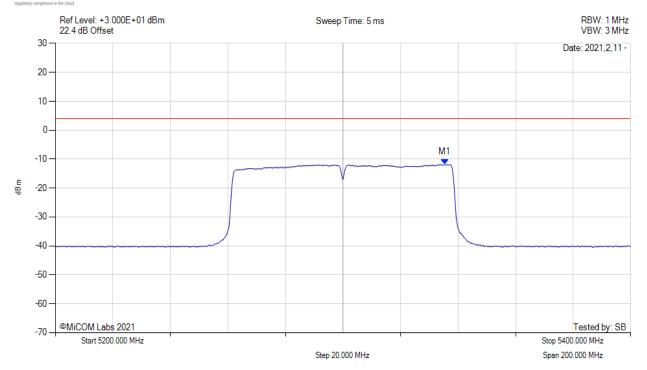
To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY



Variant: 80MHz, Channel: 5300.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5335.300 MHz: -11.741 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5335.300 MHz : -11.697 dBm	Margin: -15.7 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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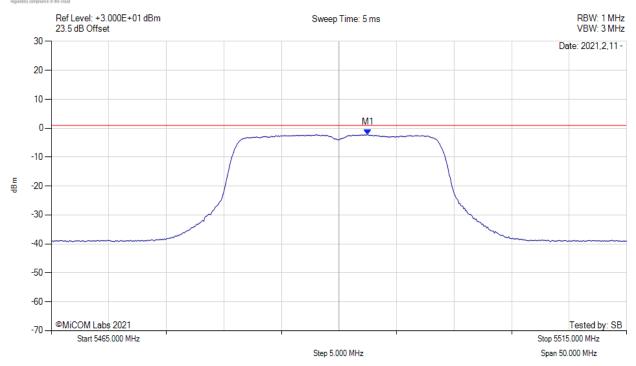


**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5490.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5492.500 MHz: -2.257 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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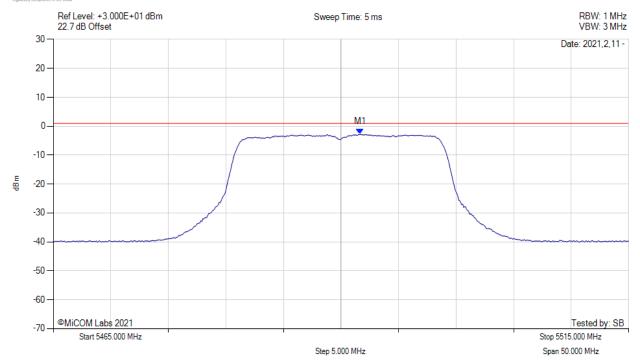
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY

MiTest

Variant: 20MHz, Channel: 5490.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5491.670 MHz: -2.842 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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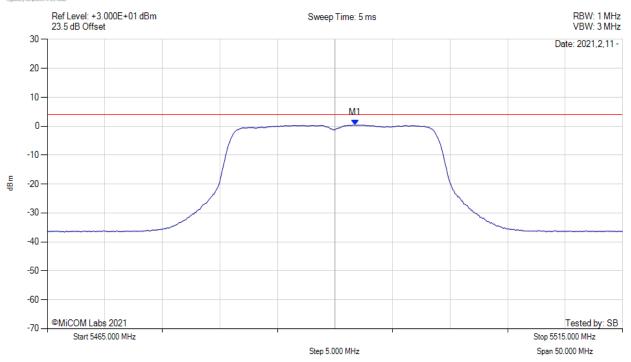
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5490.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5491.800 MHz: 0.385 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5491.800 MHz : 0.429 dBm	Margin: -3.6 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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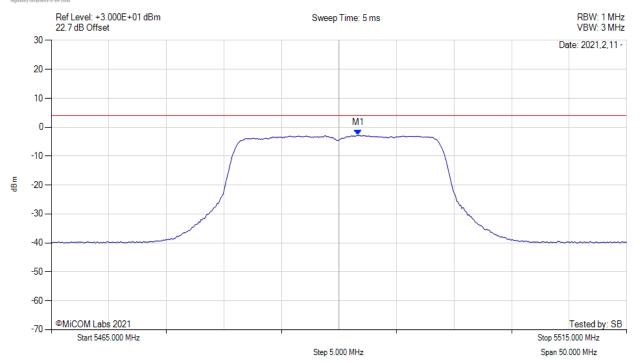
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5490.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5491.700 MHz: -2.842 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5491.700 MHz : -2.798 dBm	Margin: -6.8 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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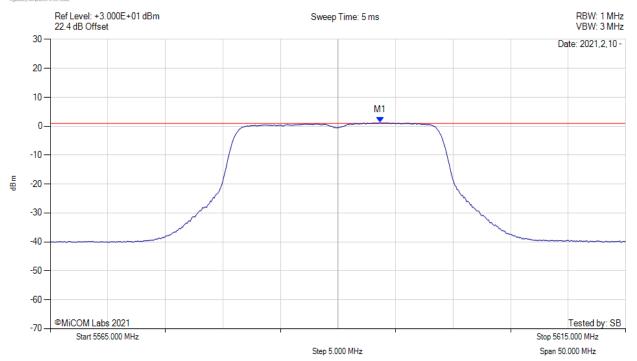
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY

MiTest

Variant: 20MHz, Channel: 5590.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5593.670 MHz: 1.417 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

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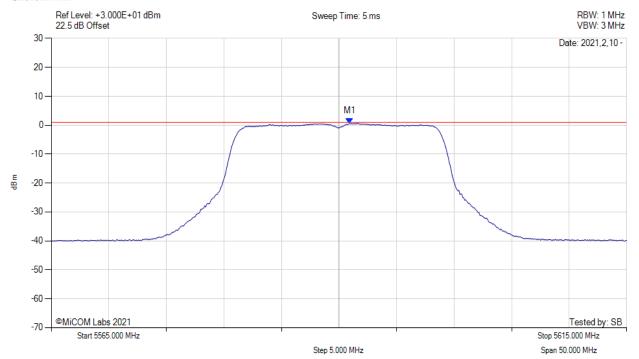
To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5590.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5590.920 MHz: 0.625 dBm	Channel Frequency: 5590.00 MHz
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		· ·

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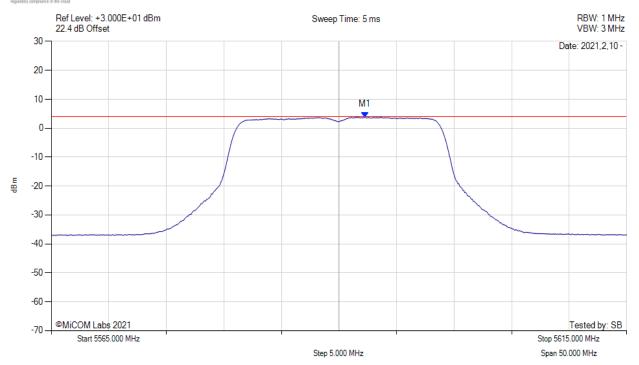
To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY

**MiTest** 

Variant: 20MHz, Channel: 5590.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5592.300 MHz: 3.842 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF: 5592.300 MHz: 3.886 dBm	Margin: -0.1 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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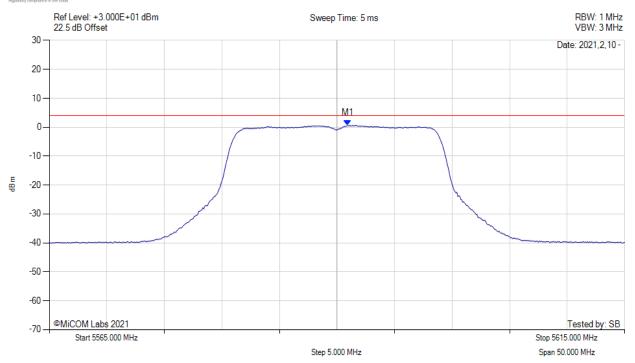
To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5590.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5590.900 MHz: 0.625 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5590.900 MHz : 0.669 dBm	Margin: -3.3 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

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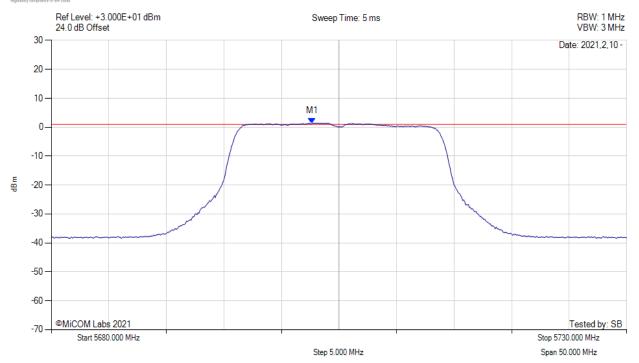
o: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5705.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5702.670 MHz: 1.434 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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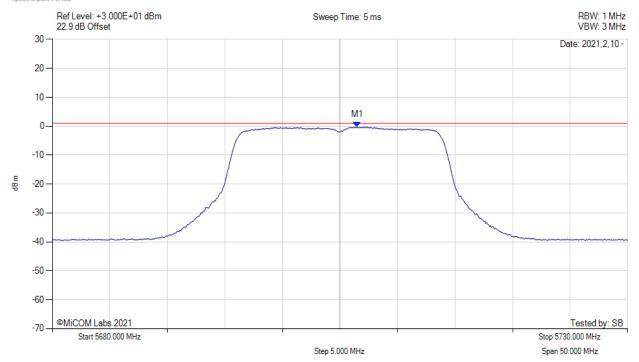
**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5705.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5706.500 MHz: -0.357 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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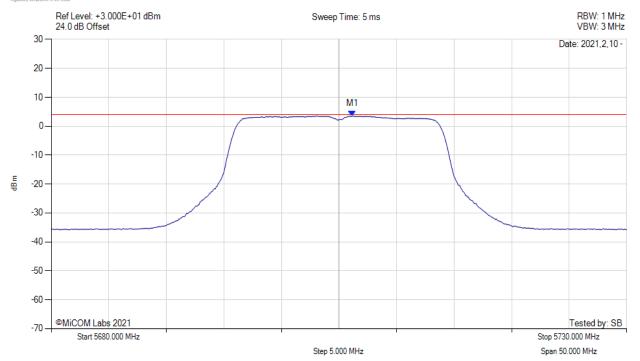
**Fo:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5705.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5706.200 MHz: 3.518 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5706.200 MHz : 3.562 dBm	Margin: -0.4 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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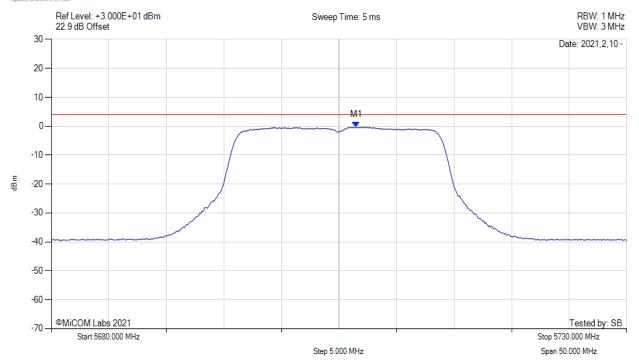
o: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5705.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5706.500 MHz: -0.357 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5706.500 MHz : -0.313 dBm	Margin: -4.3 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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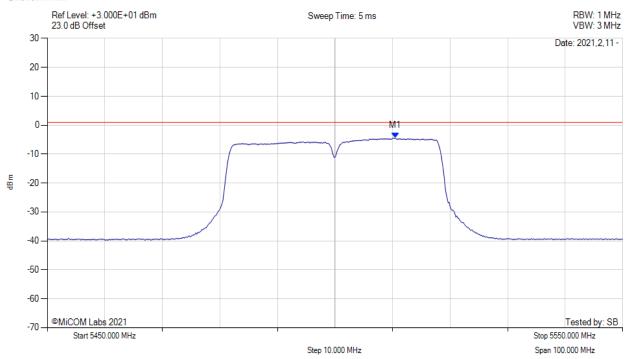
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5500.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5510.500 MHz: -4.432 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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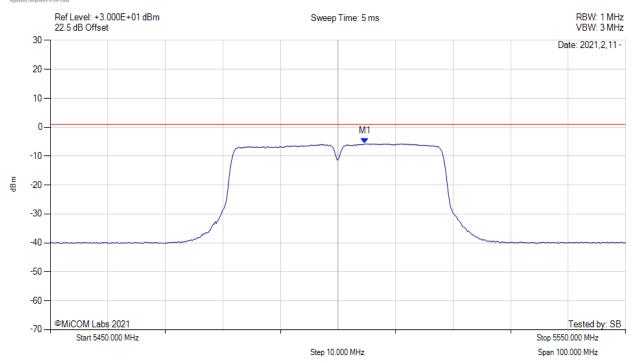
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5500.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5504.670 MHz: -5.715 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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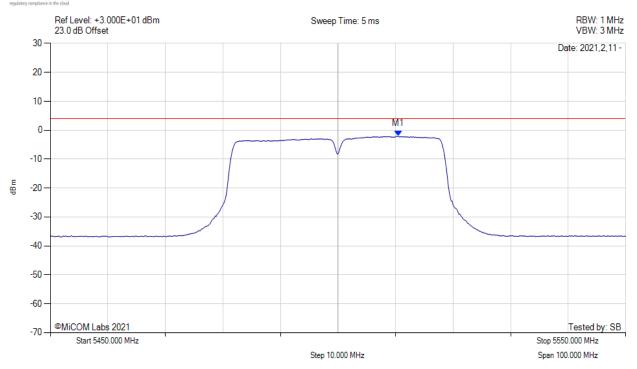


o: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

### POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5500.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1 : 5510.500 MHz : -2.072 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5510.500 MHz : -2.028 dBm	Margin: -6.0 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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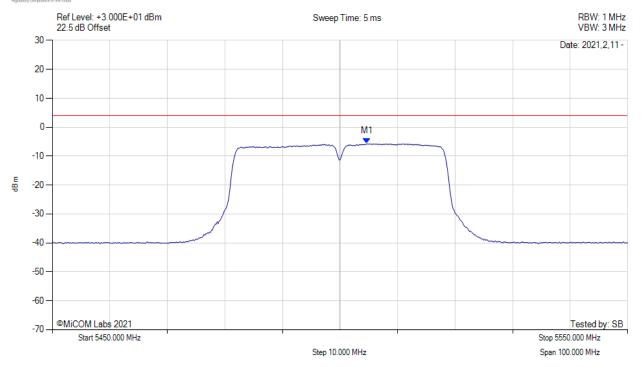
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5500.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1 : 5504.700 MHz : -5.715 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF: 5504.700 MHz: -5.671 dBm	Margin: -9.7 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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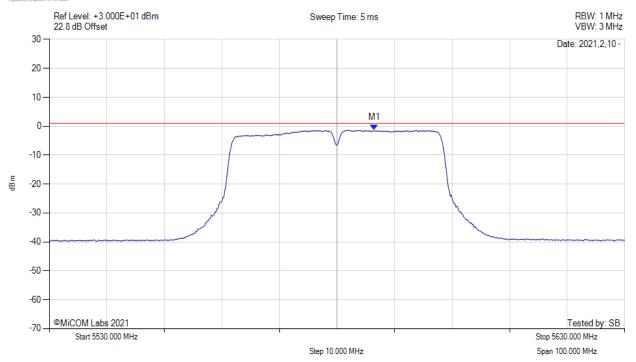
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY

MiTest

Variant: 40MHz, Channel: 5580.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5586.500 MHz: -1.323 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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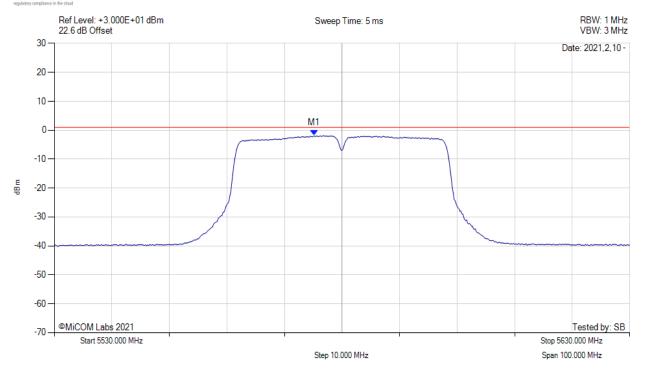
**Fo:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY

**MiTest** 

Variant: 40MHz, Channel: 5580.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5575.170 MHz: -1.860 dBm	Channel Frequency: 5580.00 MHz
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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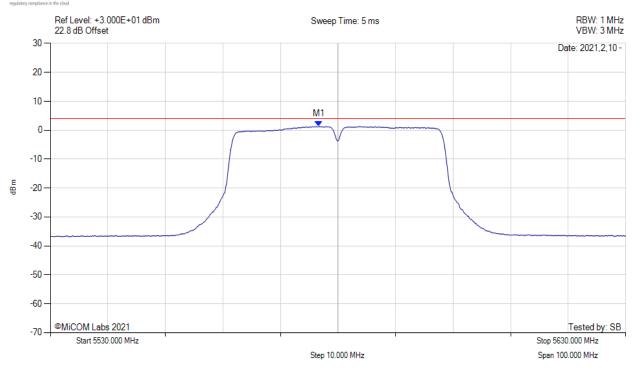


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5580.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5576.700 MHz: 1.301 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5576.700 MHz : 1.345 dBm	Margin: -2.7 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW	, .	

back to matrix

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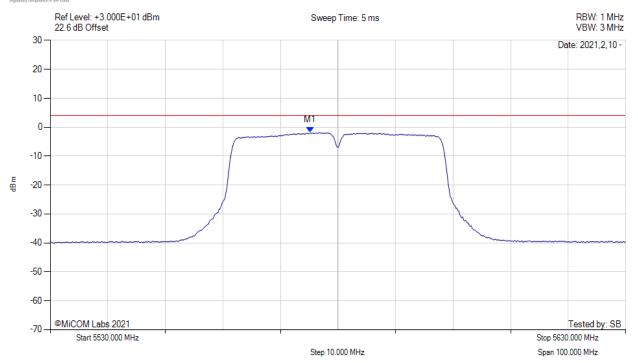
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5580.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5575.200 MHz: -1.860 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5575.200 MHz : -1.816 dBm	Margin: -5.8 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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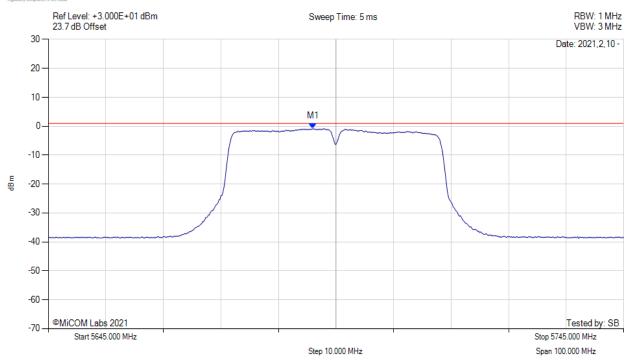
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5695.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5691.000 MHz: -0.808 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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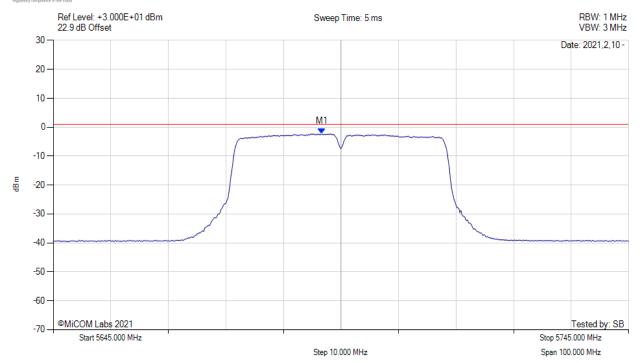
o: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY

MiTest

Variant: 40MHz, Channel: 5695.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5691.670 MHz: -2.289 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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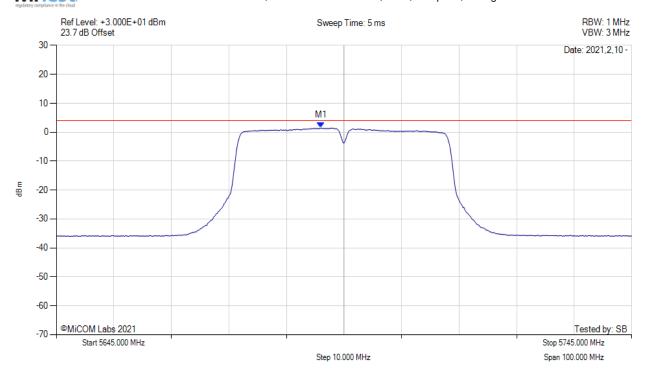


To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5695.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5691.000 MHz: 1.472 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5691.000 MHz : 1.516 dBm	Margin: -2.5 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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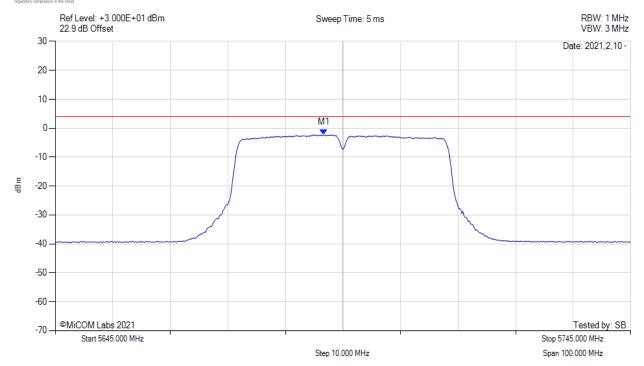
**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY

MiTest

Variant: 40MHz, Channel: 5695.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5691.700 MHz: -2.289 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5691.700 MHz : -2.245 dBm	Margin: -6.3 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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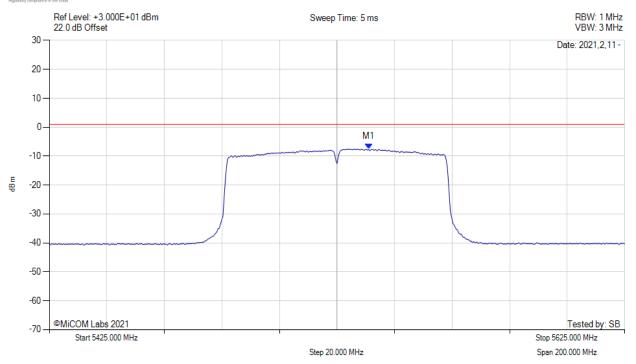


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY





Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5536.000 MHz: -7.552 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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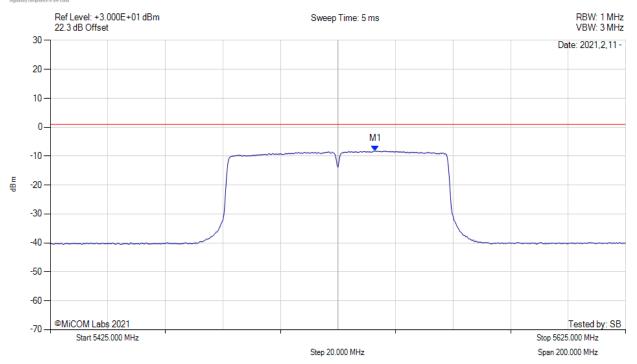


**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY





Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5538.000 MHz: -8.241 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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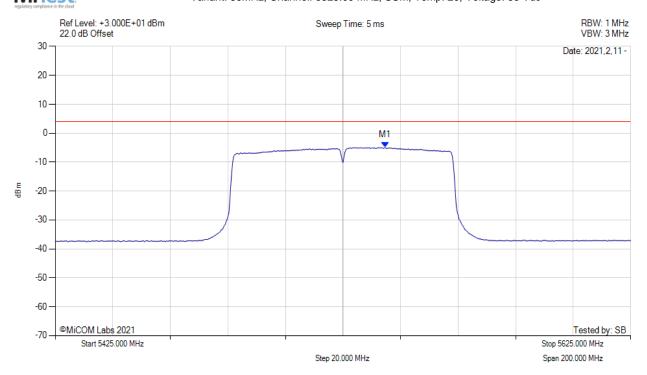


**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY





Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5539.700 MHz: -4.961 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5539.700 MHz : -4.917 dBm	Margin: -8.9 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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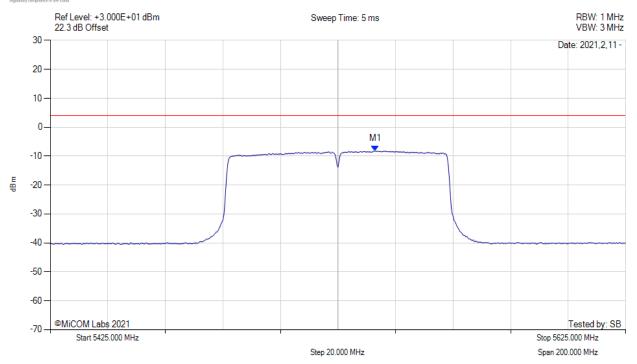
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY



Variant: 80MHz, Channel: 5525.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5538.000 MHz: -8.241 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5538.000 MHz : -8.197 dBm	Margin: -12.2 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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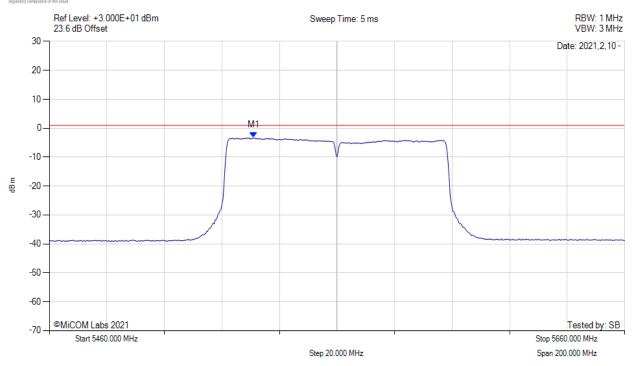


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY

Variant: 80MHz, Channel: 5560.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5531.000 MHz: -3.243 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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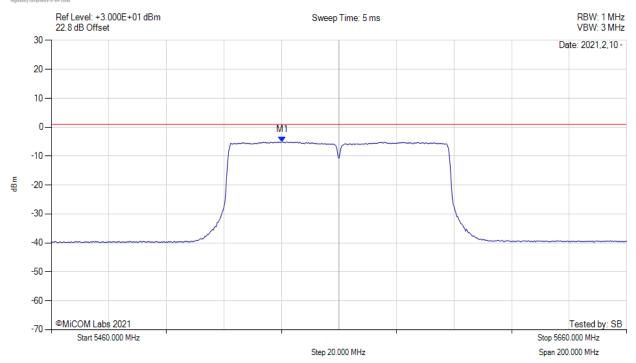
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY



Variant: 80MHz, Channel: 5560.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5540.300 MHz: -5.101 dBm	Channel Frequency: 5560.00 MHz
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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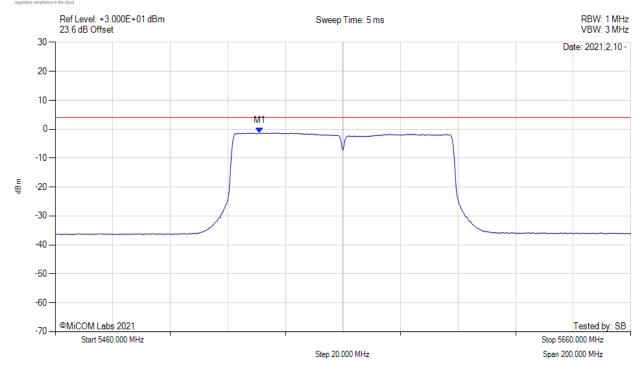
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY

MiTest

Variant: 80MHz, Channel: 5560.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5531.000 MHz: -1.246 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5531.000 MHz : -1.202 dBm	Margin: -5.2 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

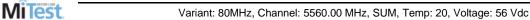
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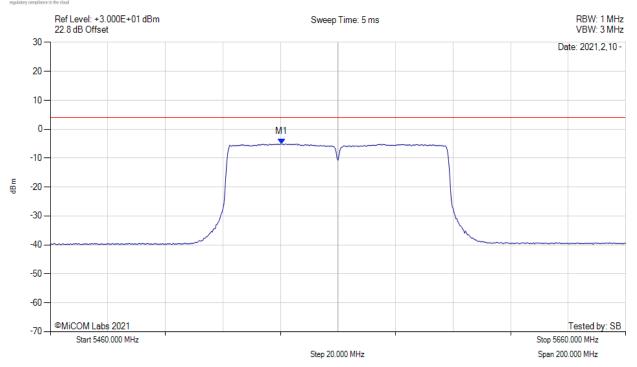


o: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY





Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5540.300 MHz: -5.101 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5540.300 MHz : -5.057 dBm	Margin: -9.1 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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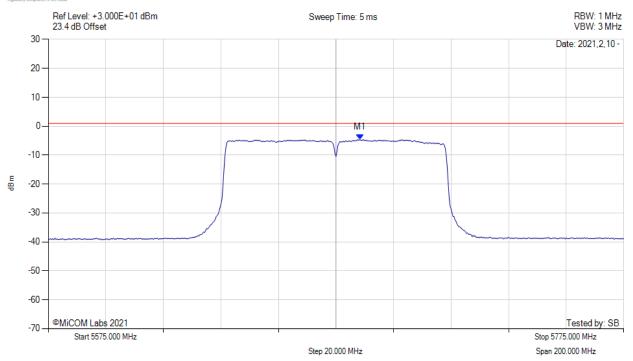
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY



Variant: 80MHz, Channel: 5675.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5683.300 MHz: -4.665 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

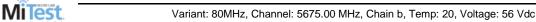
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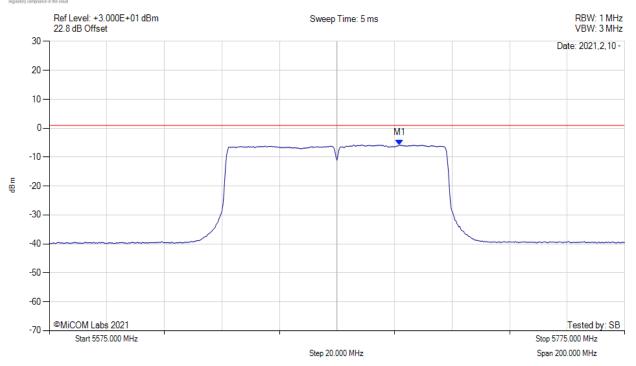


To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY





Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5696.700 MHz: -5.814 dBm	Limit: ≤ 0.990 dBm
Sweep Count = +100		
RF Atten (dB) = 30		
Trace Mode = VIEW		

back to matrix

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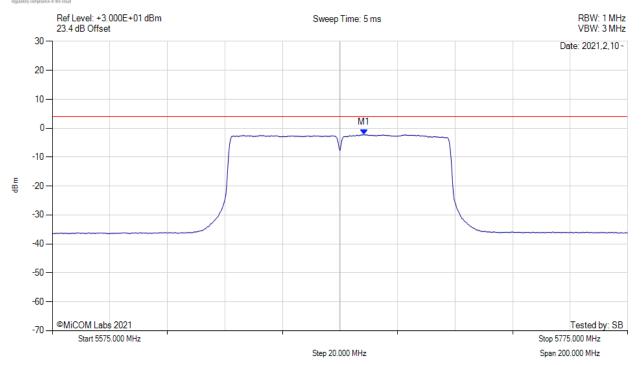
o: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY

MiTest

Variant: 80MHz, Channel: 5675.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5683.300 MHz: -2.239 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5683.300 MHz : -2.195 dBm	Margin: -6.2 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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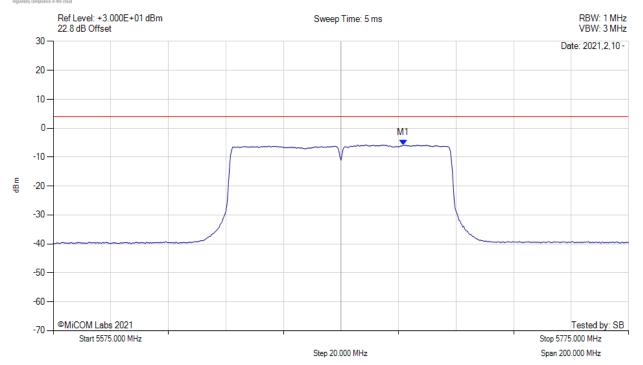
**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY

**MiTest** 

Variant: 80MHz, Channel: 5675.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5696.700 MHz: -5.814 dBm	Limit: ≤ 4.0 dBm
Sweep Count = +100	M1 + DCCF : 5696.700 MHz : -5.770 dBm	Margin: -9.8 dB
RF Atten (dB) = 30	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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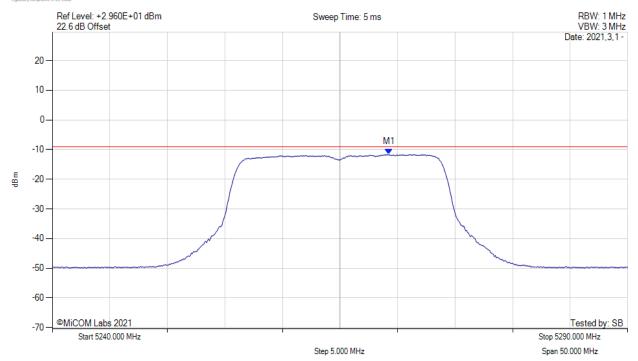
o: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5265.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5269.250 MHz: -11.592 dBm	Limit: ≤ -9.010 dBm
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

back to matrix

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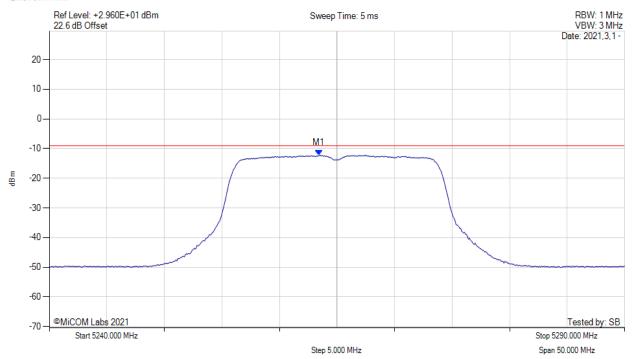
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5265.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5263.420 MHz: -12.210 dBm	Limit: ≤ -9.010 dBm
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

back to matrix

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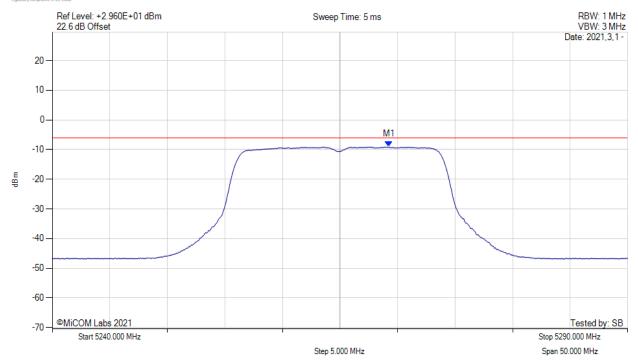
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5265.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5269.300 MHz: -9.081 dBm	Limit: ≤ -6.0 dBm
Sweep Count = +100	M1 + DCCF : 5269.300 MHz : -9.037 dBm	Margin: -3.0 dB
RF Atten (dB) = 20	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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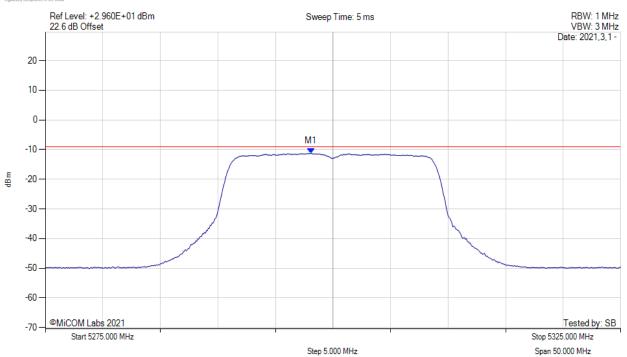
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5298.080 MHz: -11.252 dBm	Limit: ≤ -9.010 dBm
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

back to matrix

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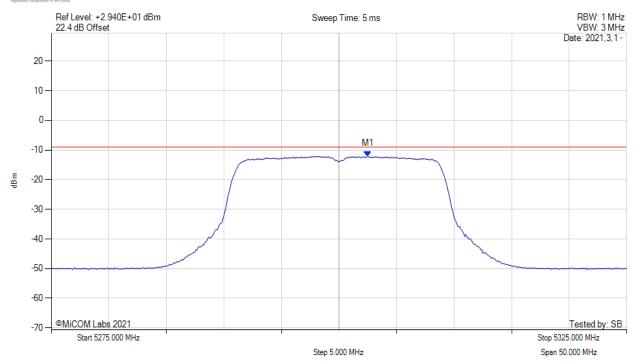
o: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY

MiTest

Variant: 20MHz, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5302.500 MHz: -12.111 dBm	Channel Frequency: 5300.00 MHz
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

back to matrix

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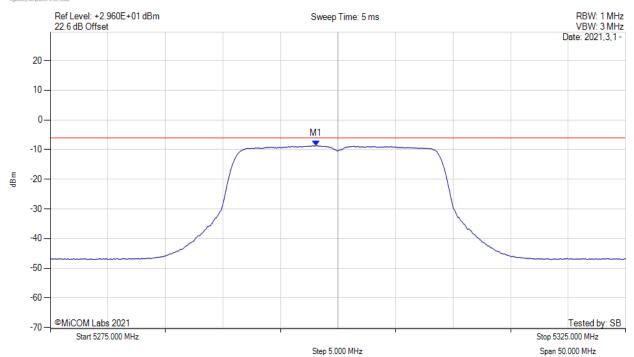
**To:** FCC 15.407 & ISED <u>RSS-247</u>

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5300.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5298.100 MHz: -8.686 dBm	Limit: ≤ -6.0 dBm
Sweep Count = +100	M1 + DCCF : 5298.100 MHz : -8.642 dBm	Margin: -2.7 dB
RF Atten (dB) = 20	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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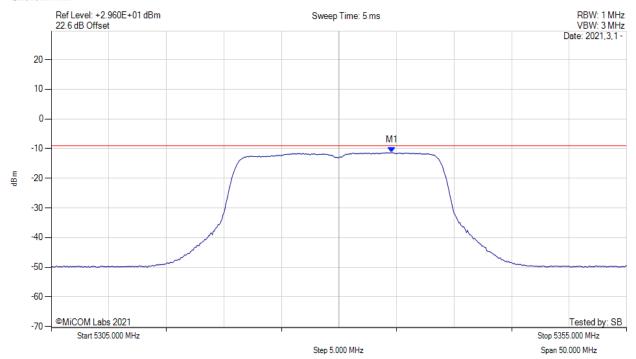
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5330.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5334.580 MHz: -11.327 dBm	Limit: ≤ -9.010 dBm
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

back to matrix

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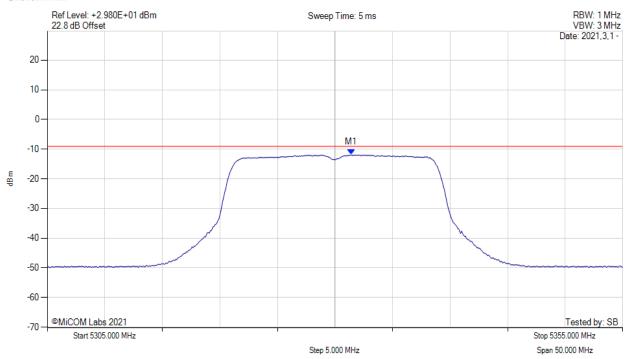
**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5330.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1:5331.420 MHz:-11.930 dBm	Limit: ≤ -9.010 dBm
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

back to matrix

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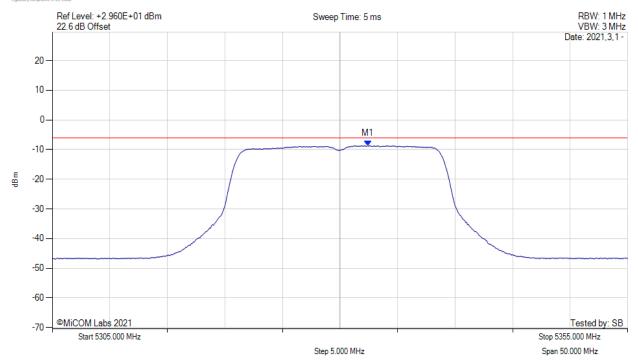
**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY

MiTest

Variant: 20MHz, Channel: 5330.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5332.400 MHz: -8.711 dBm	Limit: ≤ -6.0 dBm
Sweep Count = +100	M1 + DCCF : 5332.400 MHz : -8.667 dBm	Margin: -2.7 dB
RF Atten (dB) = 20	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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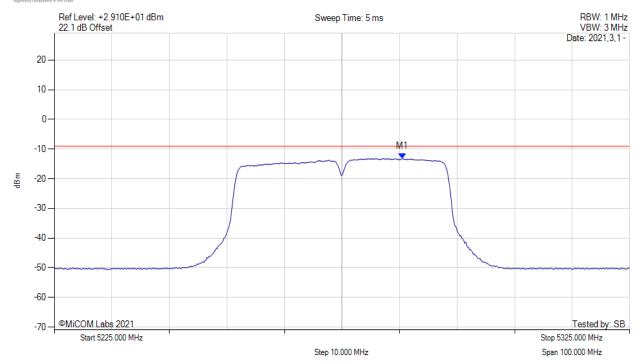
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY

MiTest

Variant: 40MHz, Channel: 5275.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5285.500 MHz: -13.150 dBm	Limit: ≤ -9.010 dBm
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

back to matrix

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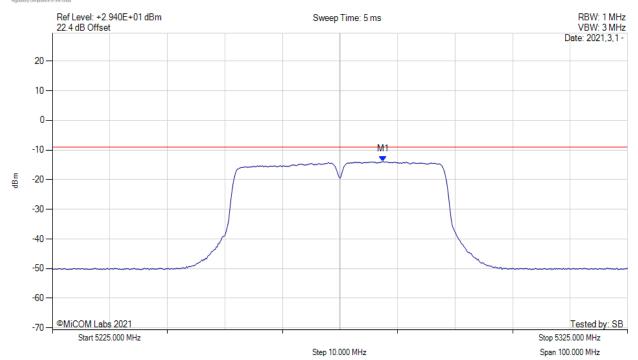
To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY

MiTest

Variant: 40MHz, Channel: 5275.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5282.500 MHz: -13.873 dBm	Limit: ≤ -9.010 dBm
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

back to matrix

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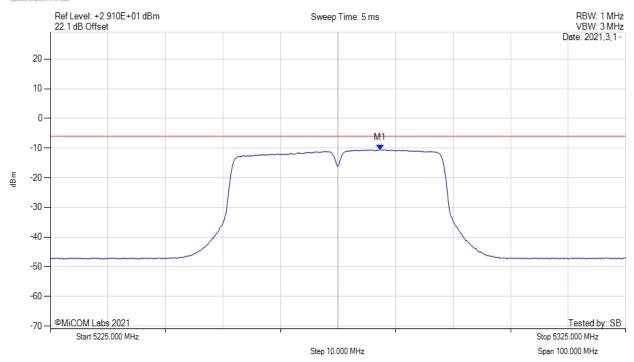
**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5275.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5282.300 MHz: -10.601 dBm	Limit: ≤ -6.0 dBm
Sweep Count = +100	M1 + DCCF : 5282.300 MHz : -10.557 dBm	Margin: -4.6 dB
RF Atten (dB) = 20	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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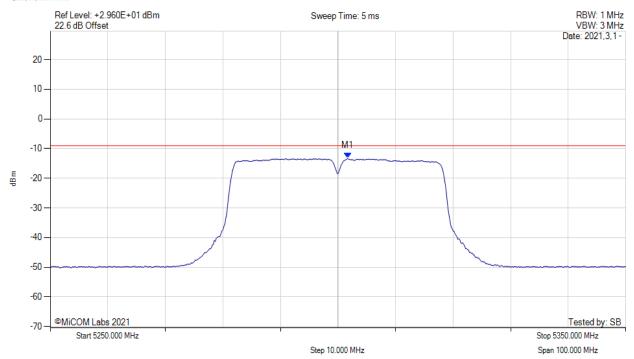
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5301.670 MHz: -13.300 dBm	Limit: ≤ -9.010 dBm
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

back to matrix

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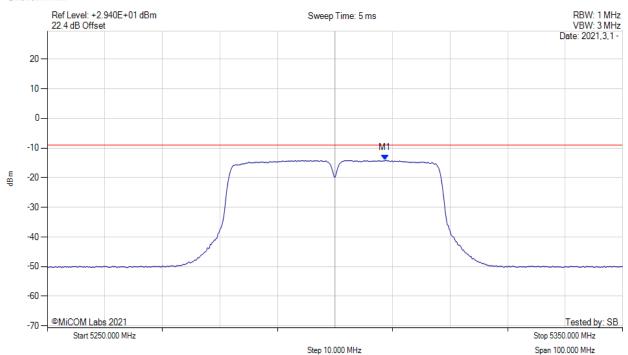
o: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1:5308.670 MHz:-14.141 dBm	Channel Frequency: 5300.00 MHz
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

back to matrix

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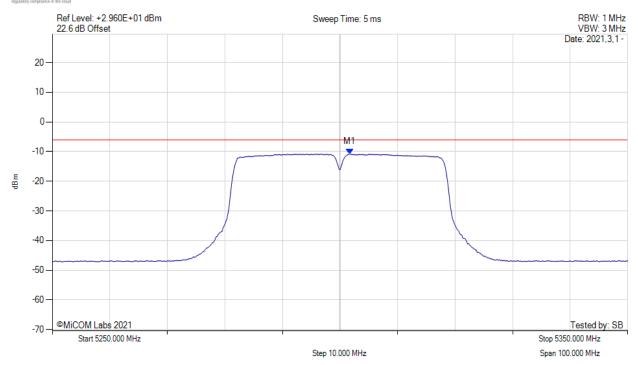
**FCC** 15.407 & ISED <u>RSS-247</u>

Serial #: RDWN72-U5 Rev A

# POWER SPECTRAL DENSITY

MiTest

Variant: 40MHz, Channel: 5300.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5301.700 MHz: -10.764 dBm	Limit: ≤ -6.0 dBm
Sweep Count = +100	M1 + DCCF : 5301.700 MHz : -10.720 dBm	Margin: -4.7 dB
RF Atten (dB) = 20	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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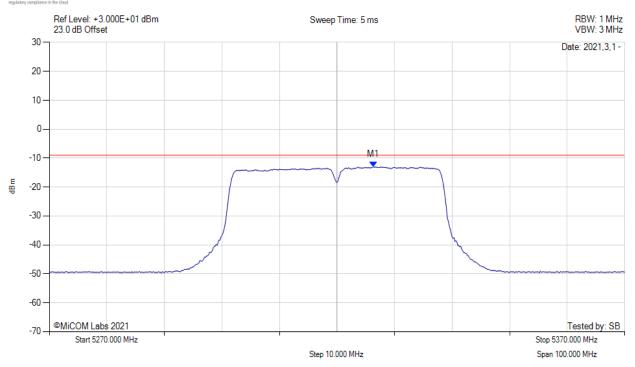


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Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5320.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5326.330 MHz: -13.003 dBm	Limit: ≤ -9.010 dBm
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

back to matrix

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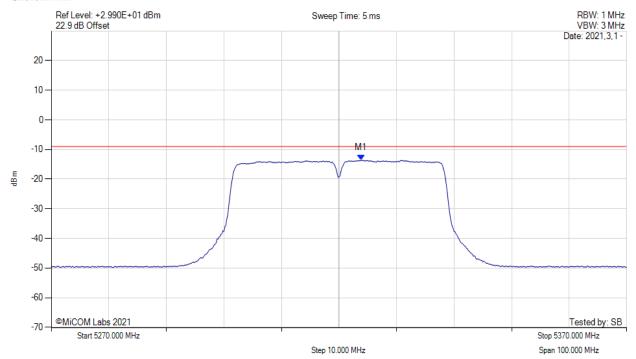
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Serial #: RDWN72-U5 Rev A

#### POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5320.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5323.830 MHz: -13.678 dBm	Limit: ≤ -9.010 dBm
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

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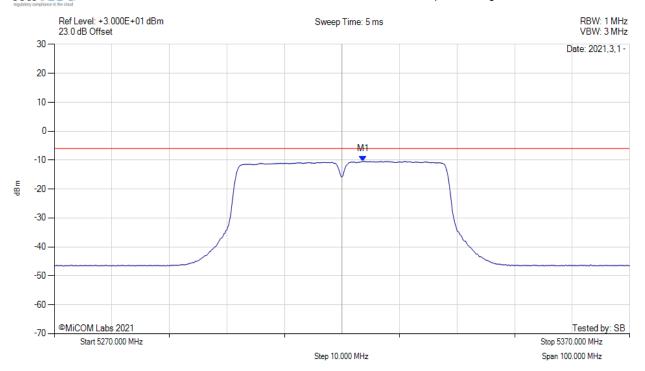
**Fo:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### POWER SPECTRAL DENSITY

MîTest.

Variant: 40MHz, Channel: 5320.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5323.700 MHz: -10.387 dBm	Limit: ≤ -6.0 dBm
Sweep Count = +100	M1 + DCCF : 5323.700 MHz : -10.343 dBm	Margin: -4.4 dB
RF Atten (dB) = 20	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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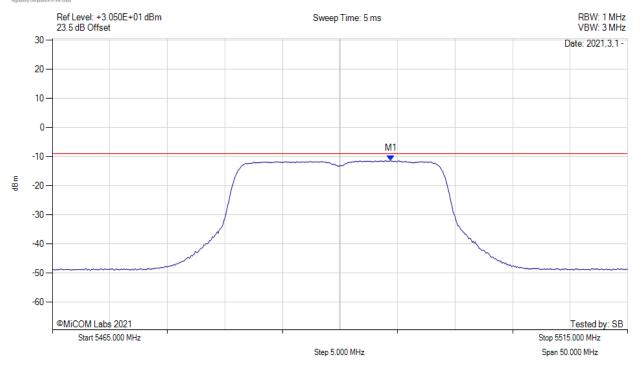


To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY





Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5494.420 MHz: -11.380 dBm	Limit: ≤ -9.010 dBm
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

back to matrix

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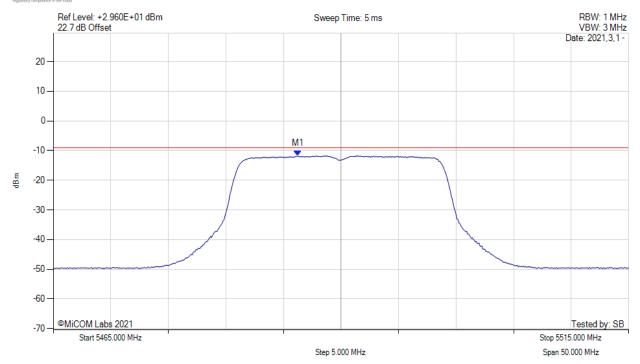
**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### POWER SPECTRAL DENSITY

MiTest

Variant: 20MHz, Channel: 5490.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5486.250 MHz: -11.766 dBm	Limit: ≤ -9.010 dBm
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

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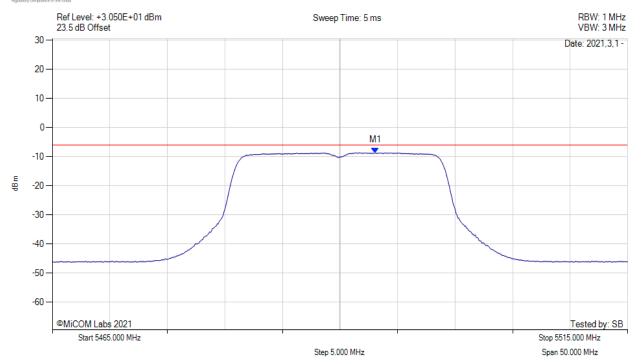
To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### POWER SPECTRAL DENSITY

MiTest

Variant: 20MHz, Channel: 5490.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5493.100 MHz: -8.674 dBm	Limit: ≤ -6.0 dBm
Sweep Count = +100	M1 + DCCF : 5493.100 MHz : -8.630 dBm	Margin: -2.6 dB
RF Atten (dB) = 20	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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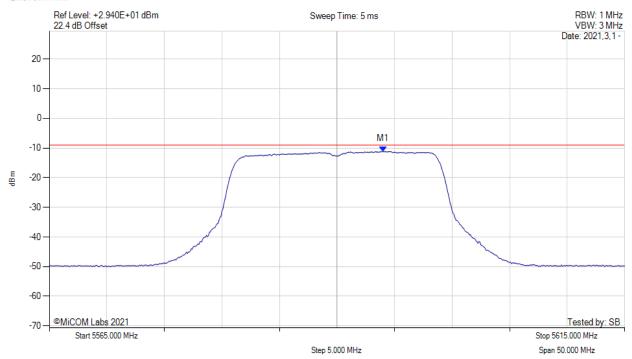
**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5590.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5594.000 MHz: -11.165 dBm	Limit: ≤ -9.010 dBm
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

back to matrix

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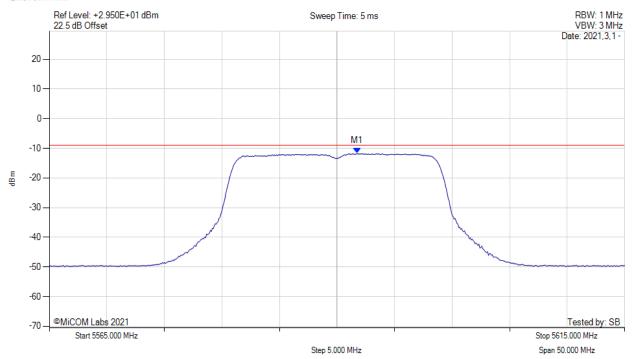
**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5590.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1:5591.750 MHz:-11.750 dBm	Channel Frequency: 5590.00 MHz
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

back to matrix

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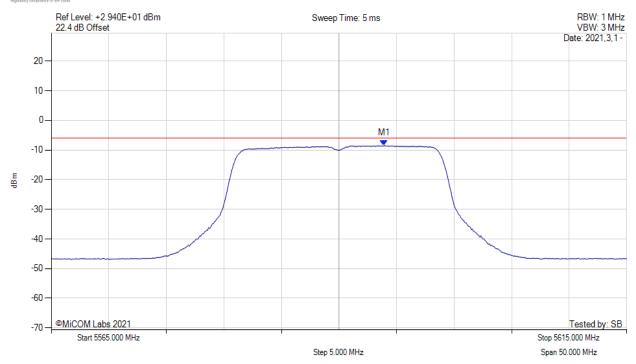
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Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY

MiTest

Variant: 20MHz, Channel: 5590.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5593.900 MHz: -8.528 dBm	Limit: ≤ -6.0 dBm
Sweep Count = +100	M1 + DCCF : 5593.900 MHz : -8.484 dBm	Margin: -2.5 dB
RF Atten (dB) = 20	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

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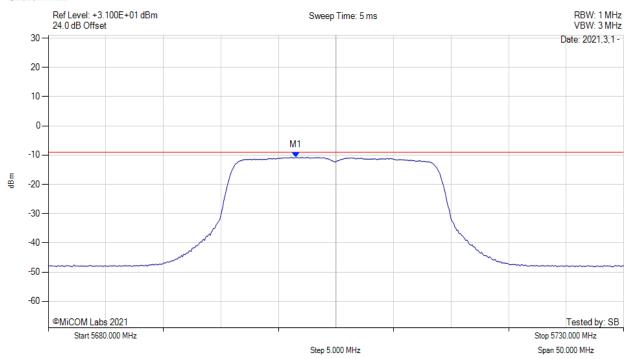
**Fo:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5705.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1:5701.500 MHz:-10.724 dBm	Limit: ≤ -9.010 dBm
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

back to matrix

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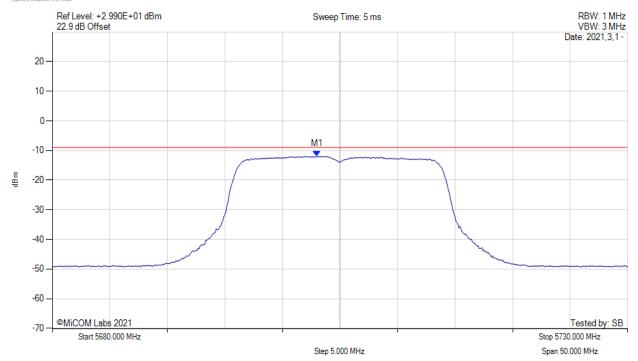
**To:** FCC 15.407 & ISED <u>RSS-247</u>

Serial #: RDWN72-U5 Rev A

#### POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5705.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5703.000 MHz: -12.007 dBm	Limit: ≤ -9.010 dBm
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

back to matrix

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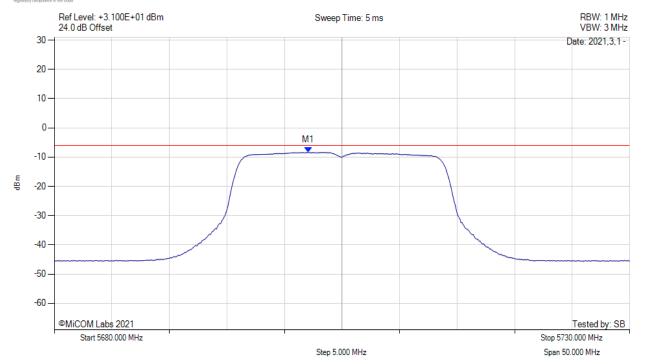
**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### POWER SPECTRAL DENSITY

MiTest

Variant: 20MHz, Channel: 5705.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5702.100 MHz: -8.334 dBm	Limit: ≤ -6.0 dBm
Sweep Count = +100	M1 + DCCF : 5702.100 MHz : -8.290 dBm	Margin: -2.3 dB
RF Atten (dB) = 20	Duty Cycle Correction Factor: +0.04 dB	
Trace Mode = VIEW		

back to matrix

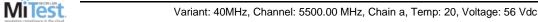
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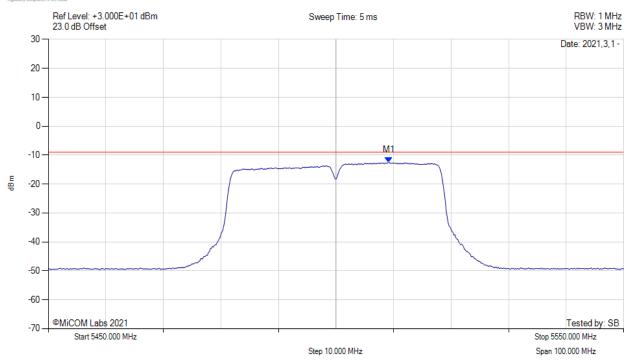


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Serial #: RDWN72-U5 Rev A

#### POWER SPECTRAL DENSITY





Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5509.170 MHz: -12.493 dBm	Limit: ≤ -9.010 dBm
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

back to matrix

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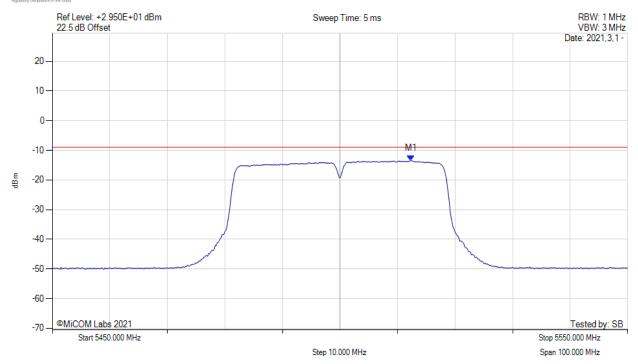
**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### POWER SPECTRAL DENSITY

MiTest

Variant: 40MHz, Channel: 5500.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results			
Detector = AVER	M1: 5512.330 MHz: -13.493 dBm	Limit: ≤ -9.010 dBm			
Sweep Count = +100					
RF Atten (dB) = 20					
Trace Mode = VIEW					

back to matrix

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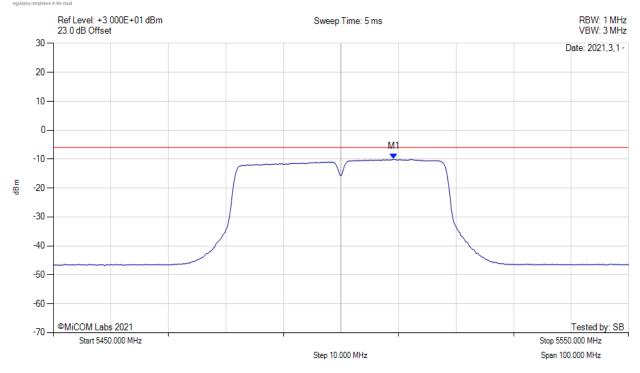


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Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5500.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results		
Detector = AVER	M1 : 5509.200 MHz : -10.011 dBm	Limit: ≤ -6.0 dBm		
Sweep Count = +100	M1 + DCCF : 5509.200 MHz : -9.967 dBm	Margin: -4.0 dB		
RF Atten (dB) = 20	Duty Cycle Correction Factor: +0.04 dB			
Trace Mode = VIEW				

back to matrix

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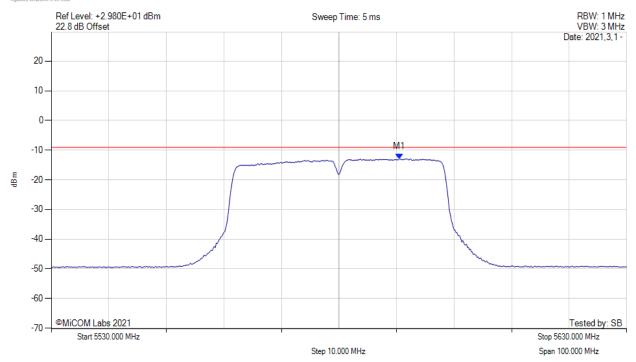
To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5580.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5590.500 MHz: -12.916 dBm	Limit: ≤ -9.010 dBm
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

back to matrix

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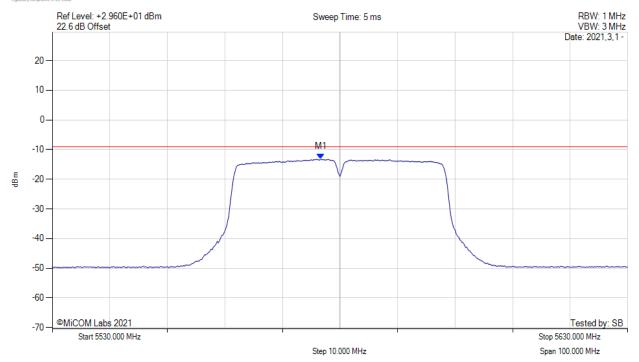
o: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5580.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1:5576.670 MHz:-13.221 dBm	Channel Frequency: 5580.00 MHz
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

back to matrix

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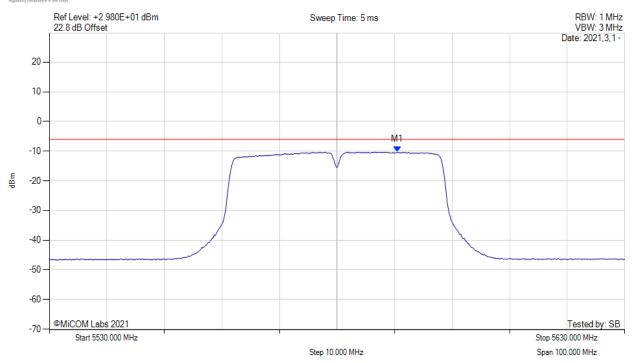
**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### POWER SPECTRAL DENSITY

MiTest.

Variant: 40MHz, Channel: 5580.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results			
Detector = AVER	M1: 5590.500 MHz: -10.290 dBm	Limit: ≤ -6.0 dBm			
Sweep Count = +100	M1 + DCCF : 5590.500 MHz : -10.246 dBm	Margin: -4.3 dB			
RF Atten (dB) = 20	Duty Cycle Correction Factor: +0.04 dB				
Trace Mode = VIEW					

back to matrix

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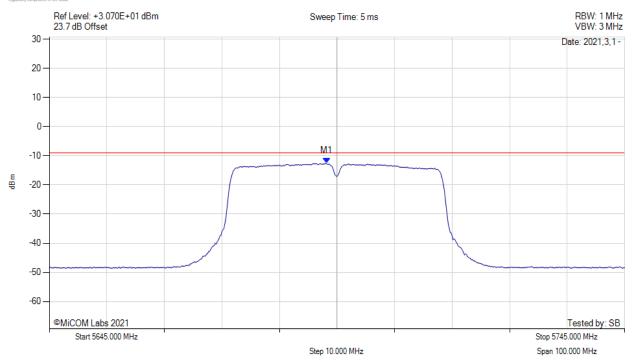
**FCC** 15.407 & ISED <u>RSS-247</u>

Serial #: RDWN72-U5 Rev A

## POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5695.00 MHz, Chain a, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results			
Detector = AVER	M1: 5693.170 MHz: -12.611 dBm	Limit: ≤ -9.010 dBm			
Sweep Count = +100					
RF Atten (dB) = 20					
Trace Mode = VIEW					

back to matrix

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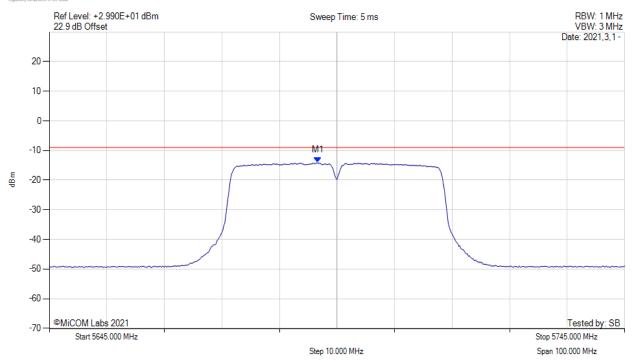
o: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5695.00 MHz, Chain b, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = AVER	M1: 5691.670 MHz: -14.156 dBm	Limit: ≤ -9.010 dBm
Sweep Count = +100		
RF Atten (dB) = 20		
Trace Mode = VIEW		

back to matrix

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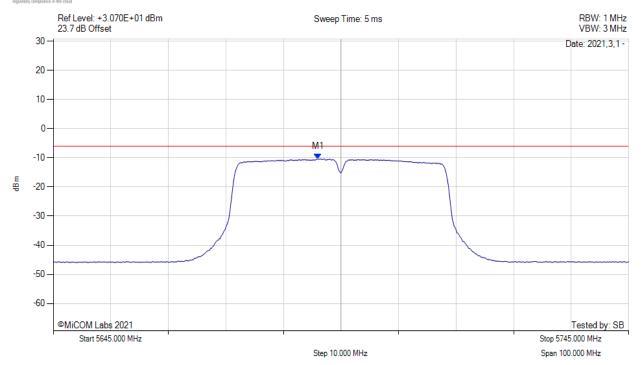
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### POWER SPECTRAL DENSITY

MiTest.

Variant: 40MHz, Channel: 5695.00 MHz, SUM, Temp: 20, Voltage: 56 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results		
Detector = AVER	M1: 5691.000 MHz: -10.355 dBm	Limit: ≤ -6.0 dBm		
Sweep Count = +100	M1 + DCCF : 5691.000 MHz : -10.311 dBm	Margin: -4.3 dB		
RF Atten (dB) = 20	Duty Cycle Correction Factor: +0.04 dB			
Trace Mode = VIEW				

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**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

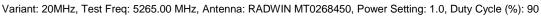
## A.3. Radiated

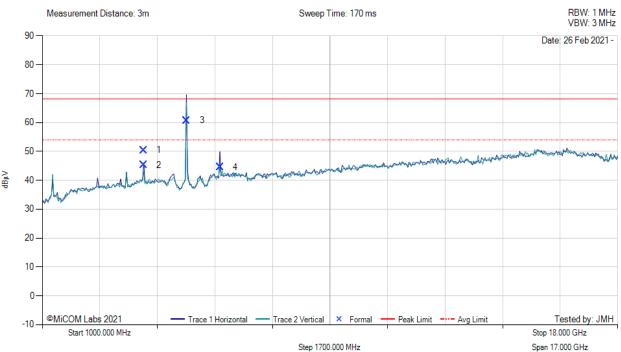
## A.3.1. TX Spurious & Restricted Band Emissions

## A.3.1.1. RADWIN MT0268450

# MiTest.

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS





1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3995.94	60.03	2.60	-12.25	50.38	Max Peak	Horizontal	124	200	68.2	-17.9	Pass
2	3995.94	54.90	2.60	-12.25	45.25	Max Avg	Horizontal	124	200	54.0	-8.8	Pass
3	5268.16	70.03	2.91	-12.21	60.73	Fundamental	Horizontal	100	0		1	
4	6249.97	50.72	3.25	-9.50	44.47	Peak (NRB)	Horizontal	100	121			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overloads.

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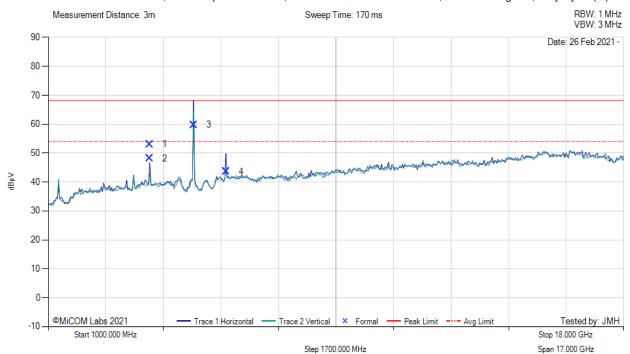


To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5300.00 MHz, Antenna: RADWIN MT0268450, Power Setting: 1.0, Duty Cycle (%): 90



	1000.00 - 18000.00 MHz													
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail		
1	3995.91	62.68	2.60	-12.25	53.03	Max Peak	Horizontal	186	216	68.2	-15.2	Pass		
2	3995.91	57.76	2.60	-12.25	48.11	Max Avg	Horizontal	186	216	54.0	-5.9	Pass		
3	5303.44	68.65	3.06	-11.97	59.74	Fundamental	Horizontal	100	0					
4	6249.96	49.89	3.25	-9.50	43.64	Peak (NRB)	Horizontal	100	106			Pass		

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overloads.

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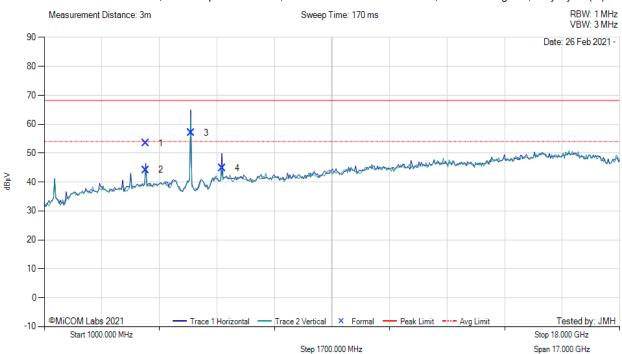


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5330.00 MHz, Antenna: RADWIN MT0268450, Power Setting: 1.0, Duty Cycle (%): 90



	1000.00 - 18000.00 MHz													
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail		
1	3996.04	63.08	2.60	-12.25	53.43	Max Peak	Horizontal	169	153	68.2	-14.8	Pass		
2	3996.04	53.83	2.60	-12.25	44.18	Max Avg	Horizontal	169	153	54.0	-9.8	Pass		
3	5333.43	65.87	3.08	-12.01	56.94	Fundamental	Horizontal	100	0					
4	6250.05	51.09	3.25	-9.49	44.85	Peak (NRB)	Horizontal	100	51			Pass		

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overloads.

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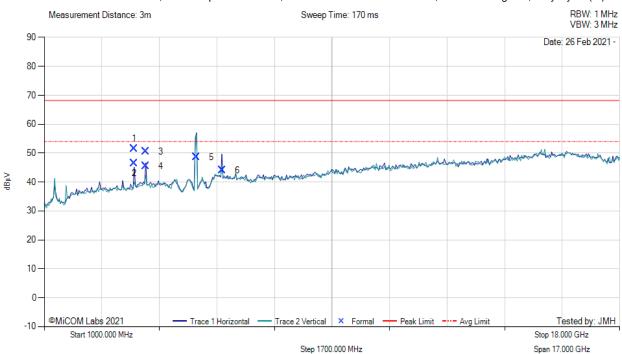


**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5490.00 MHz, Antenna: RADWIN MT0268450, Power Setting: 1.0, Duty Cycle (%): 99



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3660.04	60.90	2.48	-11.92	51.46	Max Peak	Horizontal	190	151	68.2	-16.8	Pass
2	3660.04	56.05	2.48	-11.92	46.61	Max Avg	Horizontal	190	151	54.0	-7.4	Pass
3	3996.04	60.16	2.60	-12.25	50.51	Max Peak	Horizontal	133	207	68.2	-17.7	Pass
4	3996.04	55.17	2.60	-12.25	45.52	Max Avg	Horizontal	133	207	54.0	-8.5	Pass
5	5493.30	57.23	3.10	-11.65	48.68	Fundamental	Horizontal	100	0			
6	6250.03	50.27	3.25	-9.49	44.03	Peak (NRB)	Horizontal	100	123			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overloads.

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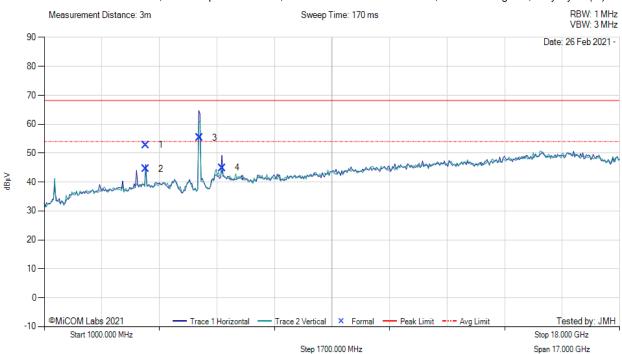


To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5590.00 MHz, Antenna: RADWIN MT0268450, Power Setting: 1.0, Duty Cycle (%): 99



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3995.96	62.42	2.60	-12.25	52.77	Max Peak	Horizontal	104	198	68.2	-15.5	Pass
2	3995.96	54.14	2.60	-12.25	44.49	Max Avg	Horizontal	104	198	54.0	-9.5	Pass
3	5585.87	63.80	3.13	-11.56	55.37	Fundamental	Horizontal	100	0			
4	6250.06	51.15	3.25	-9.49	44.91	Peak (NRB)	Horizontal	100	130			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overloads.

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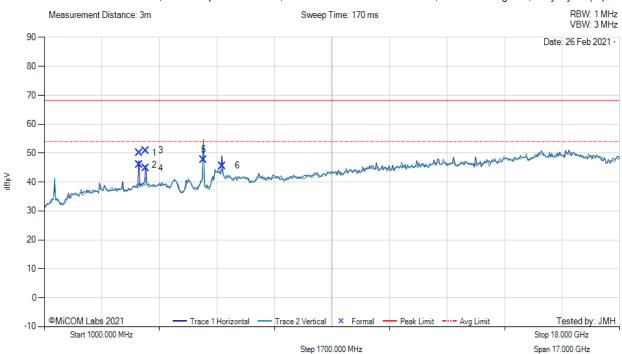


**Fo:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5705.00 MHz, Antenna: RADWIN MT0268450, Power Setting: 1.0, Duty Cycle (%): 99



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3803.44	59.42	2.54	-11.86	50.10	Max Peak	Horizontal	191	209	68.2	-18.1	Pass
2	3803.44	55.24	2.54	-11.86	45.92	Max Avg	Horizontal	191	209	54.0	-8.1	Pass
3	3995.86	60.54	2.60	-12.25	50.89	Max Peak	Horizontal	144	143	68.2	-17.3	Pass
4	3995.86	54.47	2.60	-12.25	44.82	Max Avg	Horizontal	144	143	54.0	-9.2	Pass
5	5708.51	55.89	3.13	-11.35	47.67	Fundamental	Horizontal	100	0			
6	6250.02	51.87	3.25	-9.49	45.63	Peak (NRB)	Horizontal	100	197			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overload

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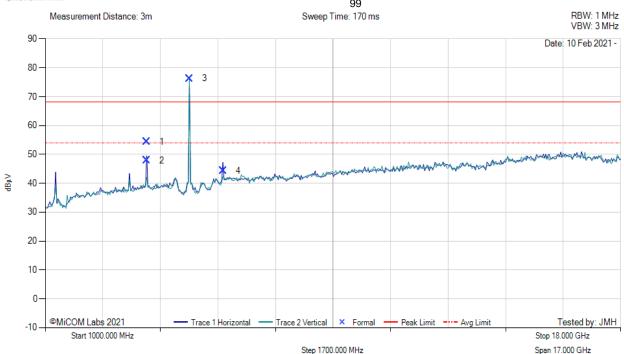
**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## A.3.1.2. RADWIN RW-9105-4958

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5265.00 MHz, Antenna: RADWIN RW-9105-4958, Power Setting: 13.0, Duty Cycle (%):



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3995.97	64.05	2.60	-12.25	54.40	Max Peak	Horizontal	136	281	68.2	-13.8	Pass
2	3995.97	57.58	2.60	-12.25	47.93	Max Avg	Horizontal	136	281	54.0	-6.1	Pass
3	5263.62	85.60	2.90	-12.24	76.26	Fundamental	Vertical	100	0			
4	6249.92	50.55	3.25	-9.50	44.30	Peak (NRB)	Horizontal	100	0			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overload.

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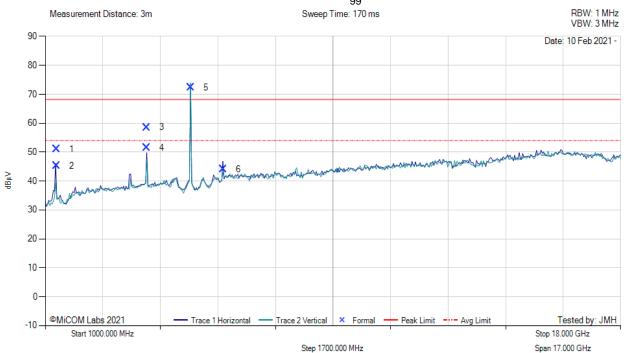


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5300.00 MHz, Antenna: RADWIN RW-9105-4958, Power Setting: 13.0, Duty Cycle (%): 99



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1331.97	65.40	1.49	-15.95	50.94	Max Peak	Horizontal	138	1	68.2	-17.3	Pass
2	1331.97	59.72	1.49	-15.95	45.26	Max Avg	Horizontal	138	1	54.0	-8.7	Pass
3	3995.95	68.16	2.60	-12.25	58.51	Max Peak	Horizontal	140	36	68.2	-9.7	Pass
4	3995.95	61.10	2.60	-12.25	51.45	Max Avg	Horizontal	140	36	54.0	-2.6	Pass
5	5304.10	81.16	3.06	-11.96	72.26	Fundamental	Vertical	100	0			
6	6249.90	50.28	3.25	-9.50	44.03	Peak (NRB)	Horizontal	100	0			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overload.

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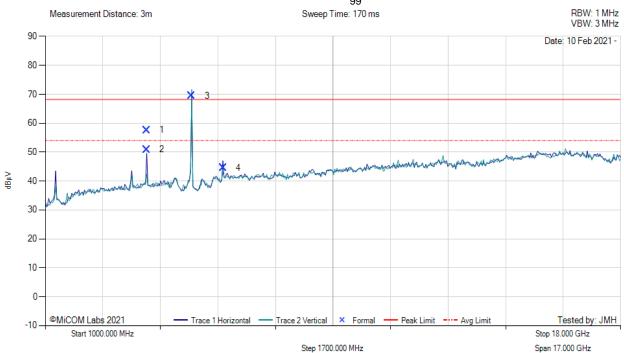


**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5330.00 MHz, Antenna: RADWIN RW-9105-4958, Power Setting: 13.0, Duty Cycle (%): 99



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3995.98	67.25	2.60	-12.25	57.60	Max Peak	Horizontal	125	296	68.2	-10.6	Pass
2	3995.98	60.52	2.60	-12.25	50.87	Max Avg	Horizontal	125	296	54.0	-3.1	Pass
3	5328.03	78.52	2.96	-11.96	69.52	Fundamental	Vertical	100	0			
4	6249.97	50.80	3.25	-9.50	44.55	Peak (NRB)	Horizontal	100	0			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overload.

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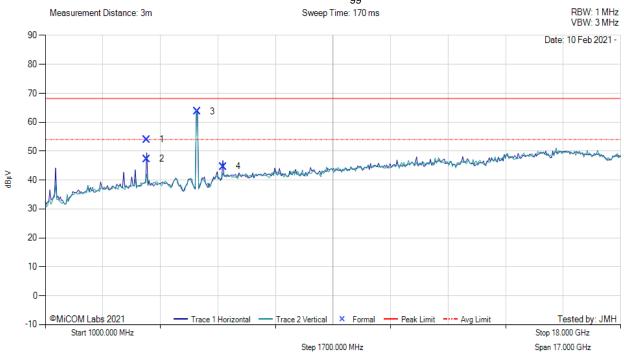


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5490.00 MHz, Antenna: RADWIN RW-9105-4958, Power Setting: 13.0, Duty Cycle (%): 99



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3995.95	63.64	2.60	-12.25	53.99	Max Peak	Horizontal	133	280	68.2	-14.2	Pass
2	3995.95	56.97	2.60	-12.25	47.32	Max Avg	Horizontal	133	280	54.0	-6.7	Pass
3	5488.12	72.21	3.17	-11.70	63.68	Fundamental	Vertical	100	0			
4	6249.89	50.92	3.25	-9.50	44.67	Peak (NRB)	Horizontal	100	0			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overload.

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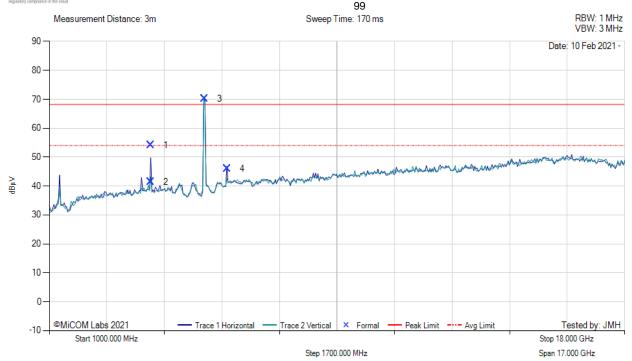


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5590.00 MHz, Antenna: RADWIN RW-9105-4958, Power Setting: 13.0, Duty Cycle (%):



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3995.97	63.78	2.60	-12.25	54.13	Max Peak	Horizontal	98	260	68.2	-14.1	Pass
2	3995.97	51.10	2.60	-12.25	41.45	Max Avg	Horizontal	98	260	54.0	-12.6	Pass
3	5588.28	78.64	3.14	-11.58	70.20	Fundamental	Vertical	100	0			
4	6249.93	52.20	3.25	-9.50	45.95	Peak (NRB)	Horizontal	100	0			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overload.

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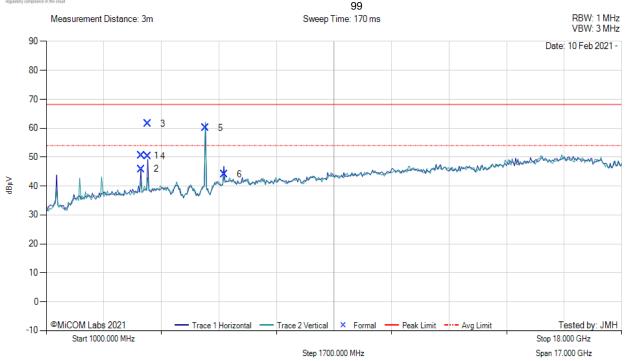


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5705.00 MHz, Antenna: RADWIN RW-9105-4958, Power Setting: 13.0, Duty Cycle (%):



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3803.25	59.78	2.54	-11.86	50.46	Max Peak	Horizontal	190	357	68.2	-17.8	Pass
2	3803.25	55.14	2.54	-11.86	45.82	Max Avg	Horizontal	190	357	54.0	-8.2	Pass
3	3995.97	71.21	2.60	-12.25	61.56	Max Peak	Horizontal	110	354	68.2	-6.7	Pass
4	3995.97	59.88	2.60	-12.25	50.23	Max Avg	Horizontal	110	354	54.0	-3.8	Pass
5	5703.33	68.29	3.18	-11.34	60.13	Fundamental	Vertical	100	0			
6	6250.04	50.32	3.25	-9.49	44.08	Peak (NRB)	Horizontal	100	0			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overload.

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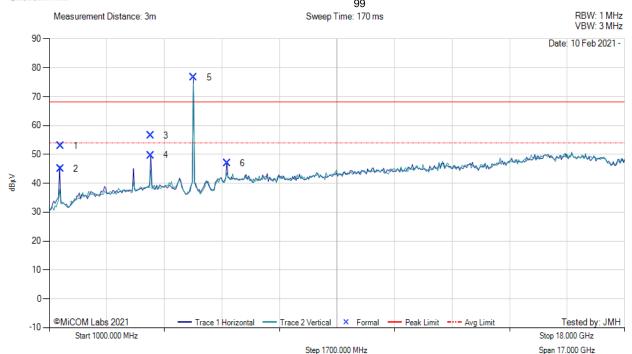
To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

## A.3.1.3. RADWIN RW-9105-5159

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5265.00 MHz, Antenna: RADWIN RW-9105-5159, Power Setting: 15.0, Duty Cycle (%):



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1332.01	67.45	1.49	-15.95	52.99	Max Peak	Horizontal	167	358	68.2	-15.2	Pass
2	1332.01	59.49	1.49	-15.95	45.03	Max Avg	Horizontal	167	358	54.0	-9.0	Pass
3	3996.12	66.11	2.60	-12.25	56.46	Max Peak	Horizontal	190	39	68.2	-11.8	Pass
4	3996.12	59.38	2.60	-12.25	49.73	Max Avg	Horizontal	190	39	54.0	-4.3	Pass
5	5270.26	85.87	2.91	-12.18	76.60	Fundamental	Horizontal	100	0			
6	6249.94	53.17	3.25	-9.50	46.92	Peak (NRB)	Horizontal	100	0			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overload.

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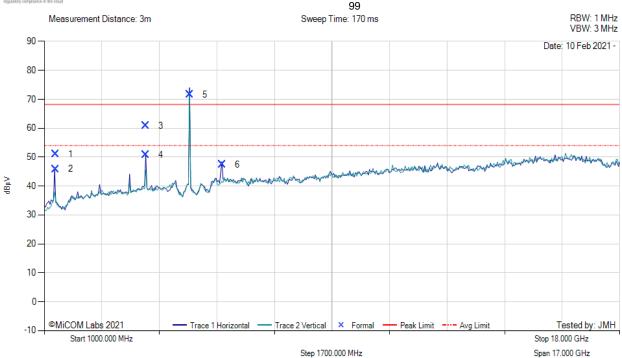


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5300.00 MHz, Antenna: RADWIN RW-9105-5159, Power Setting: 15.0, Duty Cycle (%):



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1332.06	65.53	1.49	-15.95	51.07	Max Peak	Horizontal	130	347	68.2	-17.2	Pass
2	1332.06	60.31	1.49	-15.95	45.85	Max Avg	Horizontal	130	347	54.0	-8.2	Pass
3	3995.96	70.43	2.60	-12.25	60.78	Max Peak	Horizontal	176	295	68.2	-7.5	Pass
4	3995.96	60.36	2.60	-12.25	50.71	Max Avg	Horizontal	176	295	54.0	-3.3	Pass
5	5299.98	80.31	2.90	-11.66	71.55	Fundamental	Horizontal	100	0			
6	6249.99	53.73	3.25	-9.50	47.48	Peak (NRB)	Horizontal	100	0			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overload.

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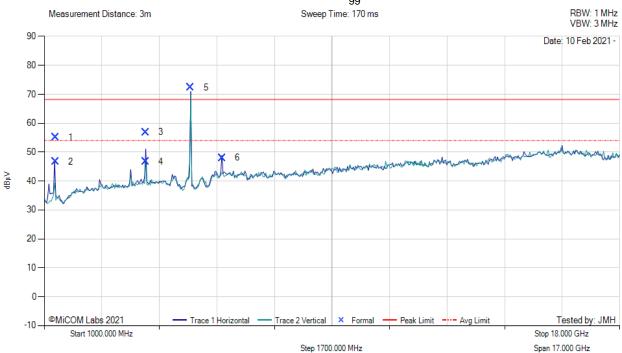


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5330.00 MHz, Antenna: RADWIN RW-9105-5159, Power Setting: 15.0, Duty Cycle (%): 99



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1331.98	69.48	1.49	-15.95	55.02	Max Peak	Horizontal	186	358	68.2	-13.2	Pass
2	1331.98	61.10	1.49	-15.95	46.64	Max Avg	Horizontal	186	358	54.0	-7.4	Pass
3	3995.99	66.49	2.60	-12.25	56.84	Max Peak	Horizontal	101	57	68.2	-11.4	Pass
4	3995.99	56.30	2.60	-12.25	46.65	Max Avg	Horizontal	101	57	54.0	-7.4	Pass
5	5328.36	81.35	2.96	-11.96	72.35	Fundamental	Horizontal	100	0			
6	6249.97	54.29	3.25	-9.50	48.04	Peak (NRB)	Horizontal	100	0			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overload.

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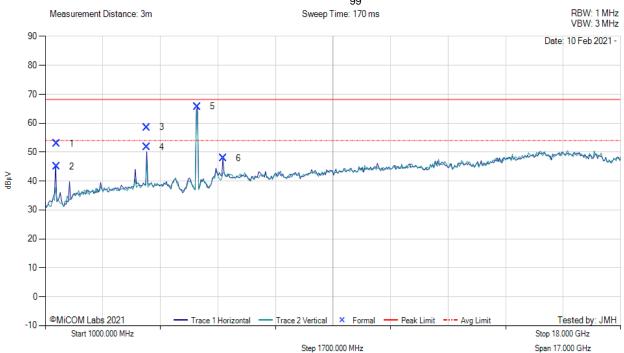


To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5490.00 MHz, Antenna: RADWIN RW-9105-5159, Power Setting: 15.0, Duty Cycle (%): 99



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1332.01	67.45	1.49	-15.95	52.99	Max Peak	Horizontal	167	1	68.2	-15.2	Pass
2	1332.01	59.48	1.49	-15.95	45.02	Max Avg	Horizontal	167	1	54.0	-9.0	Pass
3	3995.85	68.16	2.60	-12.25	58.51	Max Peak	Horizontal	143	42	68.2	-9.7	Pass
4	3995.85	61.32	2.60	-12.25	51.67	Max Avg	Horizontal	143	42	54.0	-2.3	Pass
5	5492.42	74.27	3.12	-11.67	65.72	Fundamental	Horizontal	100	0			
6	6249.93	54.16	3.25	-9.50	47.91	Peak (NRB)	Horizontal	100	0			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overload.

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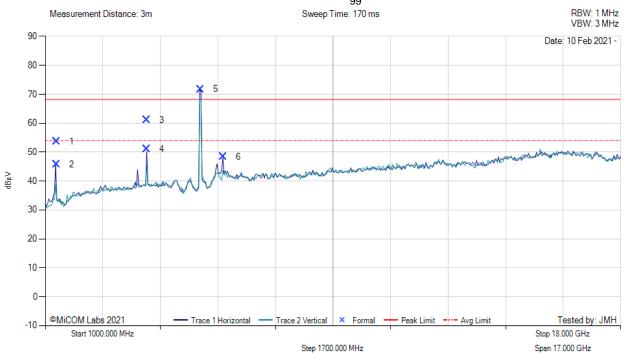


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5590.00 MHz, Antenna: RADWIN RW-9105-5159, Power Setting: 15.0, Duty Cycle (%): 99



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1331.98	68.09	1.49	-15.95	53.63	Max Peak	Horizontal	180	3	68.2	-14.6	Pass
2	1331.98	60.13	1.49	-15.95	45.67	Max Avg	Horizontal	180	3	54.0	-8.3	Pass
3	3996.00	70.69	2.60	-12.25	61.04	Max Peak	Horizontal	172	43	68.2	-7.2	Pass
4	3996.00	60.72	2.60	-12.25	51.07	Max Avg	Horizontal	172	43	54.0	-2.9	Pass
5	5588.83	80.20	3.15	-11.58	71.77	Fundamental	Horizontal	100	0			
6	6249.89	54.55	3.25	-9.50	48.30	Peak (NRB)	Horizontal	100	0			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overload.

back to matrix

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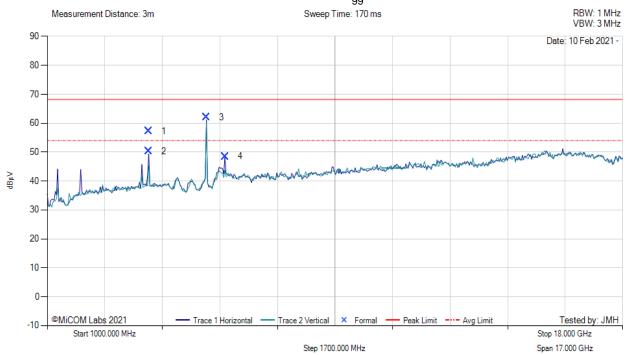


To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5705.00 MHz, Antenna: RADWIN RW-9105-5159, Power Setting: 15.0, Duty Cycle (%): 99



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3995.95	66.87	2.60	-12.25	57.22	Max Peak	Horizontal	153	293	68.2	-11.0	Pass
2	3995.95	59.94	2.60	-12.25	50.29	Max Avg	Horizontal	153	293	54.0	-3.7	Pass
3	5703.22	70.21	3.18	-11.34	62.05	Fundamental	Horizontal	100	0			
4	6249.93	54.76	3.25	-9.50	48.51	Peak (NRB)	Horizontal	100	0			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overload.

back to matrix

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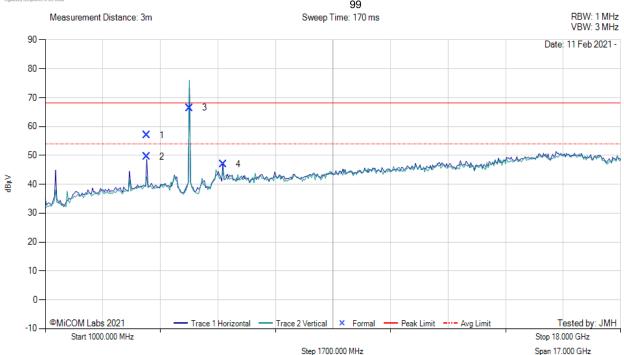
To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# A.3.1.4. RADWIN RW-9613-4960

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5265.00 MHz, Antenna: RADWIN RW-9613-4960, Power Setting: 7.0, Duty Cycle (%):



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3996.00	66.61	2.60	-12.25	56.96	Max Peak	Horizontal	168	42	68.2	-11.3	Pass
2	3996.00	59.15	2.60	-12.25	49.50	Max Avg	Horizontal	168	42	54.0	-4.5	Pass
3	5263.53	75.78	2.90	-12.24	66.44	Fundamental	Vertical	100	0			
4	6250.07	53.17	3.25	-9.49	46.93	Peak (NRB)	Horizontal	151	38			Pass

Test Notes: EUT powered by POE.5G Notch in front of amp to prevent overloads.

back to matrix

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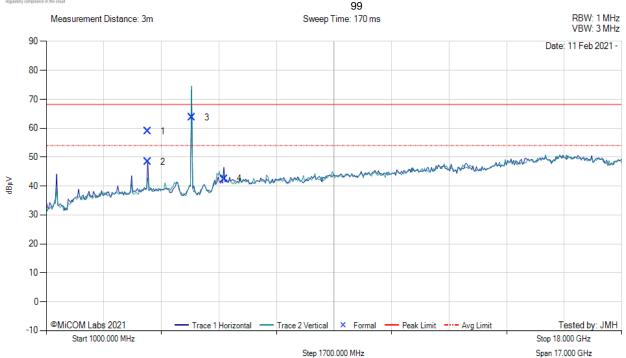


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5300.00 MHz, Antenna: RADWIN RW-9613-4960, Power Setting: 7.0, Duty Cycle (%):



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3995.98	68.53	2.60	-12.25	58.88	Max Peak	Horizontal	152	215	68.2	-9.4	Pass
2	3995.98	58.09	2.60	-12.25	48.44	Max Avg	Horizontal	152	215	54.0	-5.6	Pass
3	5304.65	72.59	3.07	-11.96	63.70	Fundamental	Vertical	100	0			
4	6250.01	48.78	3.25	-9.49	42.54	Peak (NRB)	Horizontal	100	70			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overloads.

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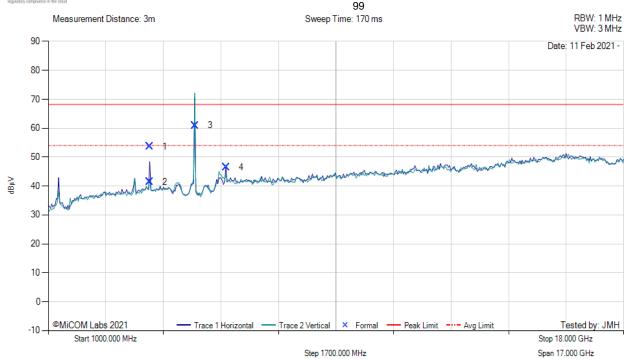


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5330.00 MHz, Antenna: RADWIN RW-9613-4960, Power Setting: 7.0, Duty Cycle (%):



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3996.07	63.36	2.60	-12.25	53.71	Max Peak	Horizontal	98	118	68.2	-14.5	Pass
2	3996.07	51.08	2.60	-12.25	41.43	Max Avg	Horizontal	98	118	54.0	-12.6	Pass
3	5328.47	69.94	2.96	-11.96	60.94	Fundamental	Vertical	100	0			
4	6249.96	52.76	3.25	-9.50	46.51	Peak (NRB)	Horizontal	100	51			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overloads.

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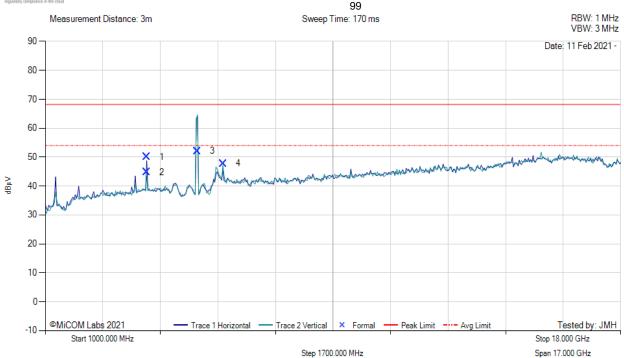


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5490.00 MHz, Antenna: RADWIN RW-9613-4960, Power Setting: 7.0, Duty Cycle (%):



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3995.94	59.62	2.60	-12.25	49.97	Max Peak	Horizontal	98	356	68.2	-18.3	Pass
2	3995.94	54.40	2.60	-12.25	44.75	Max Avg	Horizontal	98	356	54.0	-9.3	Pass
3	5488.23	60.57	3.17	-11.70	52.04	Fundamental	Vertical	100	0			
4	6249.96	54.04	3.25	-9.50	47.79	Peak (NRB)	Horizontal	100	45			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overloads.

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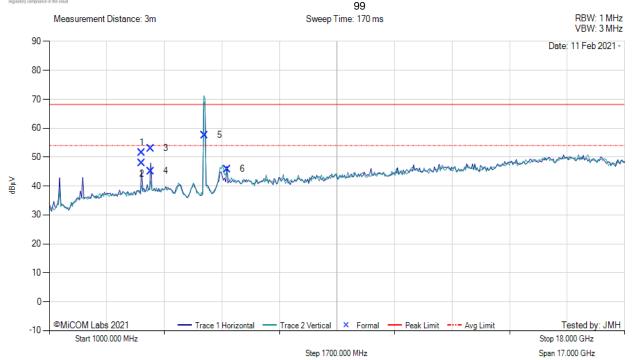


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5590.00 MHz, Antenna: RADWIN RW-9613-4960, Power Setting: 7.0, Duty Cycle (%):



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3726.72	60.67	2.51	-11.76	51.42	Max Peak	Horizontal	148	145	68.2	-16.8	Pass
2	3726.72	57.15	2.51	-11.76	47.90	Max Avg	Horizontal	148	145	54.0	-6.1	Pass
3	3995.96	62.67	2.60	-12.25	53.02	Max Peak	Horizontal	151	115	68.2	-15.2	Pass
4	3995.96	54.79	2.60	-12.25	45.14	Max Avg	Horizontal	151	115	54.0	-8.9	Pass
5	5588.39	66.02	3.14	-11.58	57.58	Fundamental	Vertical	100	0			
6	6249.90	52.09	3.25	-9.50	45.84	Peak (NRB)	Horizontal	151	82			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overloads.

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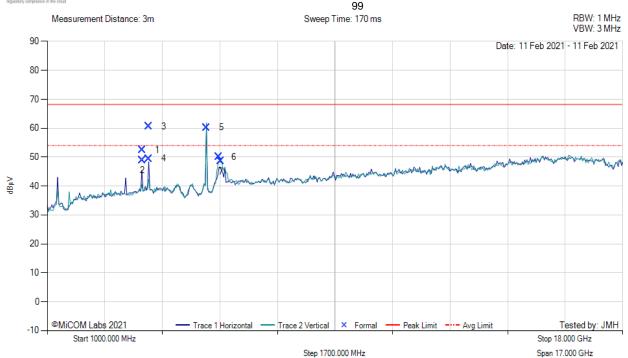


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 20MHz, Test Freq: 5705.00 MHz, Antenna: RADWIN RW-9613-4960, Power Setting: 7.0, Duty Cycle (%):



					1000	.00 - 18000.00 N	1Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3803.30	61.74	2.54	-11.86	52.42	Max Peak	Horizontal	149	146	68.2	-15.8	Pass
2	3803.30	58.28	2.54	-11.86	48.96	Max Avg	Horizontal	149	146	54.0	-5.0	Pass
3	3995.98	70.31	2.60	-12.25	60.66	Max Peak	Horizontal	107	292	68.2	-7.6	Pass
4	3995.98	59.14	2.60	-12.25	49.49	Max Avg	Horizontal	107	292	54.0	-4.5	Pass
5	5701.40	68.35	3.19	-11.35	60.19	Fundamental	Vertical	129	0			
6	6071.36	56.98	3.23	-10.09	50.12	Peak (NRB)	Vertical	150	1			Pass
7	6132.55	55.13	3.30	-9.84	48.59	Peak (NRB)	Vertical	150	5			Pass

Test Notes: EUT powered by POE. 5G Notch in front of amp to prevent overloads.

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Span 150.000 MHz

**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# A.3.2. Restricted Edge & Band-Edge Emissions

# A.3.2.5. RADWIN MT0268450

# RESTRICTED LOWER BAND-EDGE EMISSIONS



					5350	).00 - 5500.00 M	Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5439.86	13.14	3.11	34.50	50.75	Max Avg	Horizontal	163	0	54.0	-3.3	Pass
3	5470.00	27.43	3.06	34.55	65.04	Max Peak	Horizontal	163	0	74.0	-9.0	Pass
2	5460.00					Restricted- Band						
4	5470.00					Band-Edge						

Step 15.000 MHz

Test Notes: EUT powered by POE. PS 1.0 Max PSD

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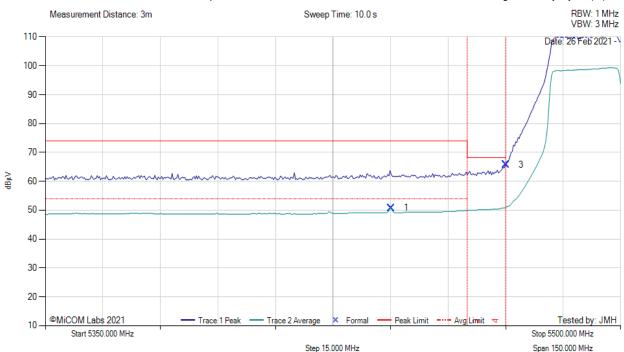
**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# MiTest

#### RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 40MHz, Test Freq: 5500.00 MHz, Antenna: RADWIN MT0268450, Power Setting: 1.0, Duty Cycle (%): 90



					5350	).00 - 5500.00 M	Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5440.16	13.14	3.11	34.50	50.75	Max Avg	Horizontal	163	0	54.0	-3.3	Pass
3	5470.00	28.07	3.06	34.55	65.68	Max Peak	Horizontal	163	0	68.2	-2.6	Pass
2	5460.00	-				Restricted- Band						-
4	5470.00					Band-Edge						

Test Notes: EUT powered by POE. 0.4 dB DCCF added to average measurement, Max PSD

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MiTest

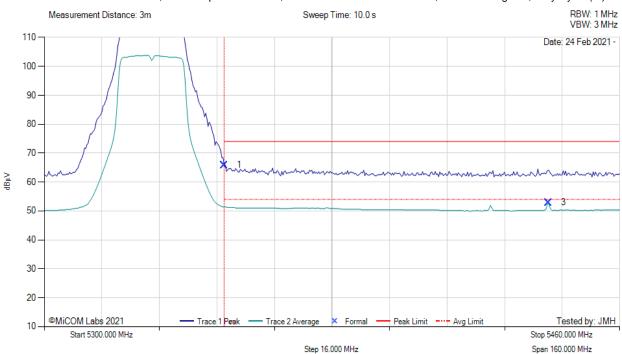
**Fitle:** Radwin AP0263510, AP0263530, AP0263540

**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 20MHz, Test Freq: 5330.00 MHz, Antenna: RADWIN MT0268450, Power Setting: 0.0, Duty Cycle (%): 99



					5300	).00 - 5460.00 M	Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5350.00	28.34	3.06	34.46	65.86	Max Peak	Horizontal	163	5	74.0	-8.1	Pass
3	5440.12	15.30	3.11	34.50	52.91	Max Avg	Horizontal	163	5	54.0	-1.1	Pass
2	5350.00					Restricted- Band						

Test Notes: EUT powered by POE.

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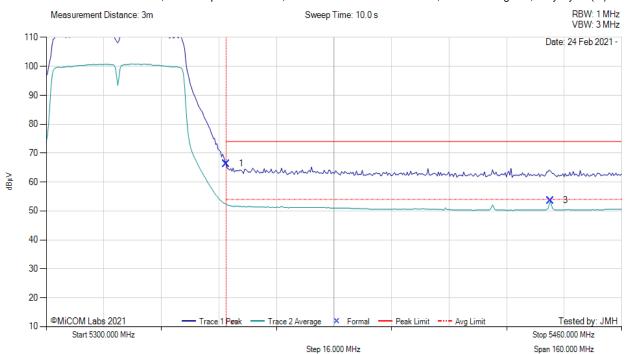


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 40MHz, Test Freq: 5320.00 MHz, Antenna: RADWIN MT0268450, Power Setting: 0.0, Duty Cycle (%): 90



					5300	).00 - 5460.00 M	Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5350.00	28.77	3.06	34.46	66.29	Max Peak	Horizontal	163	5	74.0	-7.7	Pass
3	5440.12	15.99	3.11	34.50	53.60	Max Avg	Horizontal	163	5	54.0	-0.4	Pass
2	5350.00					Restricted- Band						

Test Notes: EUT powered by POE. 0.4 dB DCCF added to avg measurement

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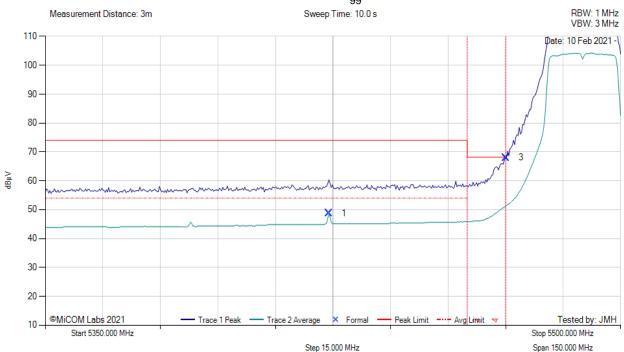
**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### A.3.2.6. RADWIN RW-9105-4958

#### RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 20MHz, Test Freq: 5490.00 MHz, Antenna: RADWIN RW-9105-4958, Power Setting: 8.5, Duty Cycle (%):



5350.00 - 5500.00 MHz Cable Measurement Hgt Frequency Raw AF Level Azt Limit Margin **Pass** Num Loss Pol MHz dBµV dB/m dBµV/m dBµV/m dB /Fail Type cm Deg dB 1 5423.93 11.07 3.07 34.51 48.65 Max Avg Vertical 142 0 54.0 -5.4 **Pass** Max Peak 3 5470.00 30.36 3.06 34.55 67.97 Vertical 142 68.2 -0.3 0 Pass Restricted-2 5460.00 ----------------Band 4 5470.00 Band-Edge

Test Notes: EUT powered by POE.

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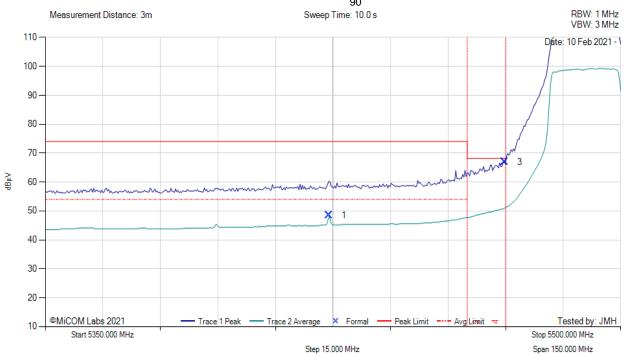


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 40MHz, Test Freq: 5500.00 MHz, Antenna: RADWIN RW-9105-4958, Power Setting: 7.5, Duty Cycle (%): 90



					5350.	.00 - 5500.00 MH	łz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5423.93	10.94	3.07	34.51	48.52	Max Avg	Vertical	142	0	54.0	-5.5	Pass
3	5469.70	29.31	3.06	34.55	66.92	Max Peak	Vertical	142	0	68.2	-1.3	Pass
2	5460.00					Restricted- Band						
4	5470.00					Band-Edge						

Test Notes: EUT powered by POE. 0.4 dB DCCF added to average measurement.

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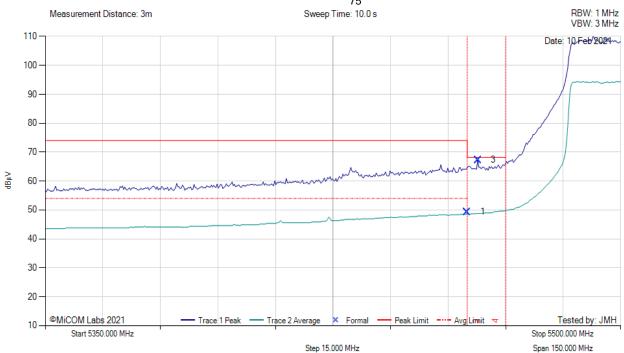


**Fo:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 80MHz, Test Freq: 5525.00 MHz, Antenna: RADWIN RW-9105-4958, Power Setting: 7.5, Duty Cycle (%): 75



					5350.	.00 - 5500.00 MH	łz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5460.00	11.70	3.06	34.53	49.29	Max Avg	Vertical	142	0	54.0	-4.7	Pass
3	5462.79	30.12	3.07	34.93	67.32	Max Peak	Vertical	142	0	68.2	-0.5	Pass
2	5460.00					Restricted- Band						
4	5470.00					Band-Edge						

Test Notes: EUT powered by POE. 1.25 dB DCCF added to average measurement.

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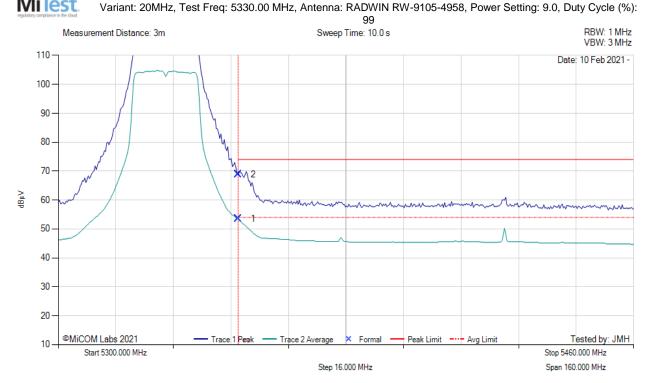


To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant COMUL. Test From 5220 CO MUL. Antonno DA DIVIN DIVI 0405 4050 Deven



					5300	.00 - 5460.00 MH	łz					
Num	MHz dBμV Loss dB/		AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail	
1	5350.00	15.96	3.06	34.46	53.48	Max Avg	Vertical	147	1	54.0	-0.5	Pass
2	5350.00	31.40	3.06	34.46	68.92	Max Peak	Vertical	147	1	74.0	-5.1	Pass
3	5350.00					Restricted- Band						

Test Notes: EUT powered by POE.

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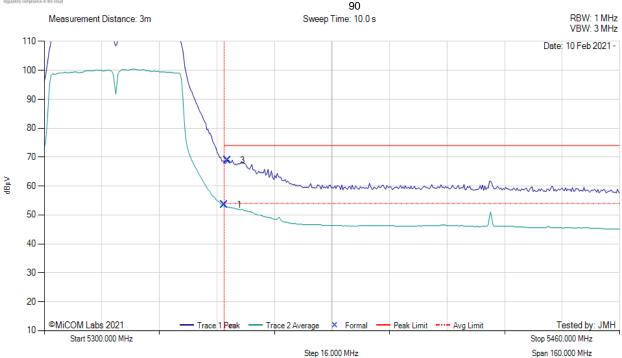


o: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 40MHz, Test Freq: 5320.00 MHz, Antenna: RADWIN RW-9105-4958, Power Setting: 8.0, Duty Cycle (%):



					5300	.00 - 5460.00 MH	łz					
Num	MHz dBμV Loss dB/m dE			Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail	
1	5350.00	15.96	3.06	34.46	53.48	Max Avg	Vertical	147	1	54.0	-0.5	Pass
3	5350.96	31.33	3.06	34.46	68.85	Max Peak	Vertical	147	1	74.0	-5.2	Pass
2	5350.00					Restricted- Band						

Test Notes: EUT powered by POE. 0.4 dB DCCF added to average measurement.

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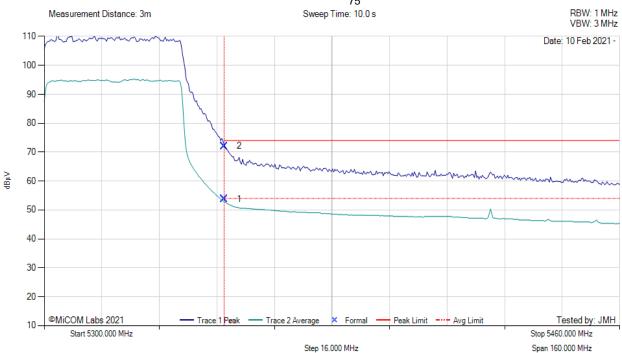


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 80MHz, Test Freq: 5300.00 MHz, Antenna: RADWIN RW-9105-4958, Power Setting: 7.5, Duty Cycle (%): 75



					5300	.00 - 5460.00 MH	łz					
Num	m         Frequency MHz         Raw dBμV         Cable Loss dB         AF dB/m           5350.00         16.26         3.06         34.46			Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail	
1	5350.00	16.26	3.06	34.46	53.78	Max Avg	Vertical	147	1	54.0	-0.2	Pass
2	5350.00	34.58	3.06	34.46	72.10	Max Peak	Vertical	147	1	74.0	-1.9	Pass
3	5350.00					Restricted- Band						

Test Notes: EUT powered by POE. 1.25 dB DCCF added to average measurement.

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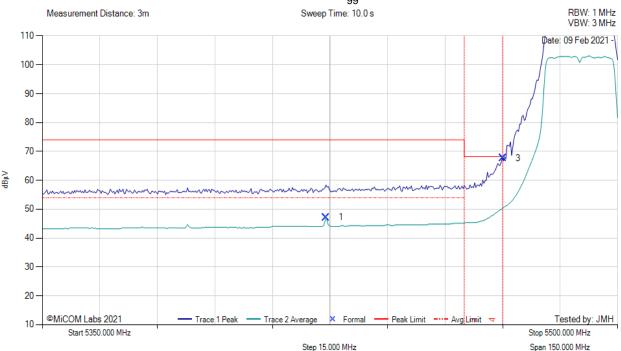
**To:** FCC 15.407 & ISED <u>RSS-247</u>

Serial #: RDWN72-U5 Rev A

# A.3.2.7. RADWIN RW-9105-5159

#### RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 20MHz, Test Freq: 5490.00 MHz, Antenna: RADWIN RW-9105-5159, Power Setting: 9.5, Duty Cycle (%):



					5350	).00 - 5500.00 M	Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5423.93	9.58	3.07	34.51	47.16	Max Avg	Horizontal	158	0	54.0	-6.8	Pass
3	5470.00	30.06	3.06	34.55	67.67	Max Peak	Horizontal	158	0	68.2	-0.6	Pass
2	5460.00					Restricted- Band						-
4	5470.00					Band-Edge						

Test Notes: EUT powered by POE.

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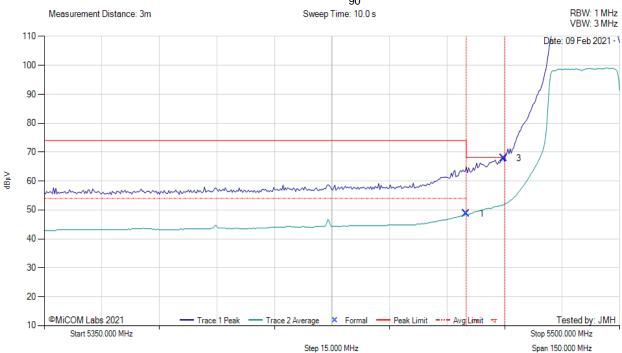


To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 40MHz, Test Freq: 5500.00 MHz, Antenna: RADWIN RW-9105-5159, Power Setting: 9.5, Duty Cycle (%): 90



					5350	).00 - 5500.00 M	Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5460.00	11.12	3.06	34.53	48.71	Max Avg	Horizontal	158	0	54.0	-5.4	Pass
3	5469.70	30.23	3.06	34.55	67.84	Max Peak	Horizontal	158	0	68.2	-0.4	Pass
2	5460.00					Restricted- Band	-					
4	5470.00					Band-Edge						

Test Notes: EUT powered by POE. Avg Measurements include DCCF of 0.4 dB.

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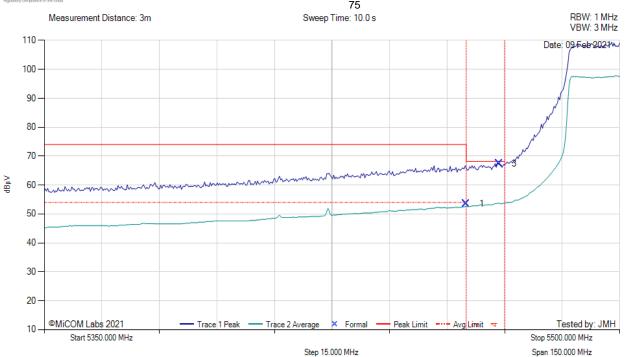


To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 80MHz, Test Freq: 5525.00 MHz, Antenna: RADWIN RW-9105-5159, Power Setting: 10.5, Duty Cycle (%):



					5350	).00 - 5500.00 M	Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5460.00	15.49	3.06	34.53	53.48	Max Avg	Horizontal	158	0	54.0	-0.1	Pass
3	5468.50	29.72	3.07	34.55	67.34	Max Peak	Horizontal	158	0	68.2	-0.9	Pass
2	5460.00					Restricted- Band						
4	5470.00					Band-Edge						

Test Notes: EUT powered by POE. Avg measurements have 1.25 dB DCCF added

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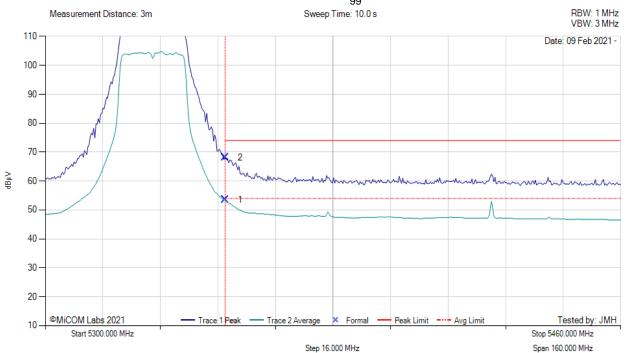
**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### RESTRICTED UPPER BAND-EDGE EMISSIONS

MiTest

Variant: 20MHz, Test Freq: 5330.00 MHz, Antenna: RADWIN RW-9105-5159, Power Setting: 10., Duty Cycle (%): 99



					5300	).00 - 5460.00 M	Hz					
Num	Num MHz dBμV Loss dB/m dBμV/m Type Pol cm Deg dE				Limit dBµV/m	Margin dB	Pass /Fail					
1	5350.00	15.96	3.06	34.46	53.48	Max Avg	Horizontal	158	0	54.0	-0.5	Pass
2	5350.00	30.54	3.06	34.46	68.06	Max Peak	Horizontal	158	0	74.0	-5.9	Pass
3	5350.00					Restricted- Band						

Test Notes: EUT powered by POE.

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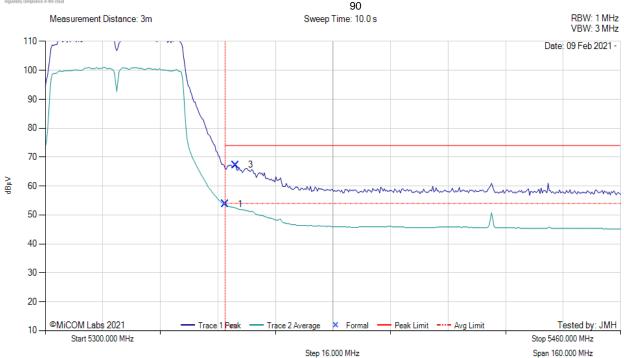
**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### RESTRICTED UPPER BAND-EDGE EMISSIONS

MiTest

Variant: 40MHz, Test Freq: 5320.00 MHz, Antenna: RADWIN RW-9105-5159, Power Setting: 9.0, Duty Cycle (%):



					5300	).00 - 5460.00 M	Hz					
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5350.00	16.27	3.06	34.46	53.79	Max Avg	Horizontal	158	0	54.0	-0.2	Pass
3	5352.89	29.76	3.05	34.47	67.28	Max Peak	Horizontal	158	0	74.0	-6.7	Pass
2	5350.00					Restricted- Band						

Test Notes: EUT powered by POE. Avg measurements have 0.4 dB DCCF added

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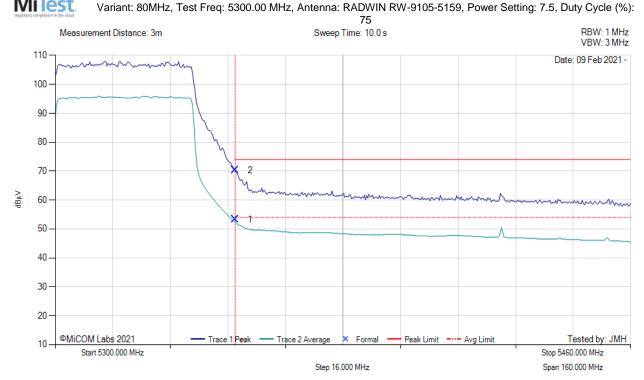
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**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### RESTRICTED UPPER BAND-EDGE EMISSIONS



					5300	).00 - 5460.00 M	Hz					
Num	m         Frequency MHz         Raw dBμV         Cable Loss dB dB/m         AF dB/m           5350.00         16.27         3.06         34.46				Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5350.00	16.27	3.06	34.46	53.24	Max Avg	Horizontal	158	0	54.0	-0.3	Pass
2	5350.00	32.71	3.06	34.46	70.23	Max Peak	Horizontal	158	0	74.0	-3.8	Pass
3	5350.00					Restricted- Band						

Test Notes: EUT powered by POE. Avg measurements have 1.25 dB DCCF added

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MiTest

itle: Radwin AP0263510, AP0263530, AP0263540

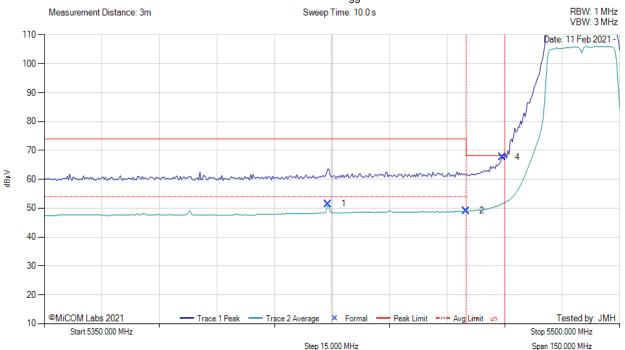
**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

# A.3.2.8. RADWIN RW-9613-4960

#### RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 20MHz, Test Freq: 5490.00 MHz, Antenna: RADWIN RW-9613-4960, Power Setting: 3.5, Duty Cycle (%):



	5350.00 - 5500.00 MHz													
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail		
1	5424.01	13.89	3.07	34.51	51.47	Max Avg	Vertical	150	0	54.0	-2.5	Pass		
2	5460.00	11.51	3.06	34.53	49.10	Max Avg	Vertical	150	0	54.0	-4.9	Pass		
4	5469.40	30.03	3.06	34.55	67.64	Max Peak	Vertical	150	0	68.2	-0.6	Pass		
3	5460.00	1		1		Restricted- Band			1					
5	5470.00					Band-Edge								

Test Notes: EUT powered by POE.

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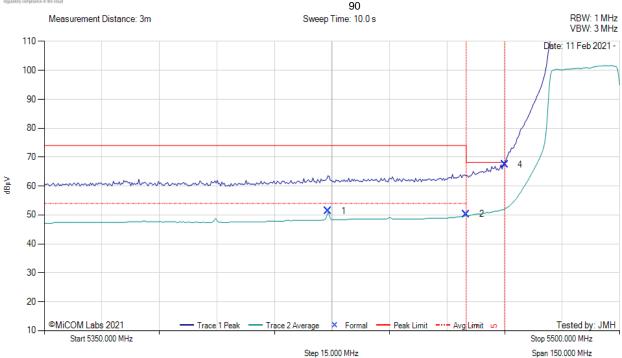


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 40MHz, Test Freq: 5500.00 MHz, Antenna: RADWIN RW-9613-4960, Power Setting: 3.0, Duty Cycle (%):



	5350.00 - 5500.00 MHz													
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail		
1	5424.01	13.76	3.07	34.51	51.33	Max Avg	Vertical	150	0	54.0	-2.7	Pass		
2	5460.00	12.57	3.06	34.53	50.26	Max Avg	Vertical	150	0	54.0	-3.7	Pass		
4	5470.00	29.81	3.06	34.55	67.42	Max Peak	Vertical	150	0	68.2	-0.8	Pass		
3	5460.00	1		1		Restricted- Band			1					
5	5470.00					Band-Edge								

Test Notes: EUT powered by POE. DCCF of 0.4 dB added to average measurement.

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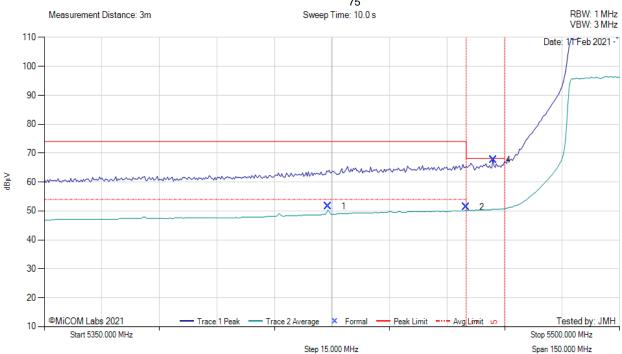


**FCC** 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 80MHz, Test Freq: 5525.00 MHz, Antenna: RADWIN RW-9613-4960, Power Setting: 3.5, Duty Cycle (%): 75



	5350.00 - 5500.00 MHz													
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail		
1	5424.01	13.98	3.07	34.51	51.56	Max Avg	Vertical	150	0	54.0	-2.4	Pass		
2	5460.00	13.79	3.06	34.53	51.38	Max Avg	Vertical	150	0	54.0	-2.6	Pass		
4	5466.99	29.98	3.08	34.55	67.61	Max Peak	Vertical	150	0	68.2	-0.6	Pass		
3	5460.00					Restricted- Band								
5	5470.00					Band-Edge								

Test Notes: EUT powered by POE. DCCF of 1.25 dB added to average measurement.

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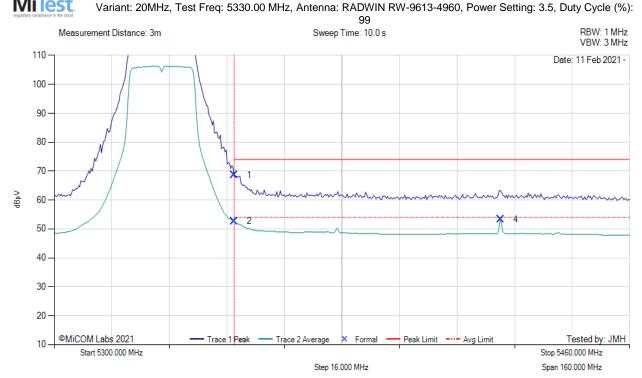


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### RESTRICTED UPPER BAND-EDGE EMISSIONS

Verient: 20MHz. Test Frog. 5220.00 MHz. Antenno: BADWIN RW 0642,4060. Rouse C



	5300.00 - 5460.00 MHz													
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail		
1	5350.00	31.08	3.06	34.46	68.60	Max Peak	Vertical	149	0	74.0	-5.4	Pass		
2	5350.00	15.12	3.06	34.46	52.64	Max Avg	Vertical	149	0	54.0	-1.4	Pass		
4	5424.07	15.76	3.07	34.51	53.34	Max Avg	Vertical	149	0	54.0	-0.7	Pass		
3	5350.00					Restricted- Band								

Test Notes: EUT powered by POE.

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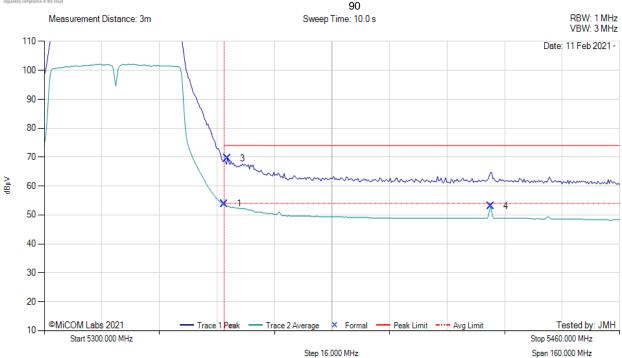


**To:** FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 40MHz, Test Freq: 5320.00 MHz, Antenna: RADWIN RW-9613-4960, Power Setting: 3.0, Duty Cycle (%):



	5300.00 - 5460.00 MHz													
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail		
1	5350.00	16.32	3.06	34.46	53.84	Max Avg	Vertical	149	0	54.0	-0.2	Pass		
3	5350.96	32.09	3.06	34.46	69.61	Max Peak	Vertical	149	0	74.0	-4.4	Pass		
4	5424.08	15.43	3.07	34.51	53.01	Max Avg	Vertical	149	0	54.0	-1.0	Pass		
2	5350.00					Restricted- Band								

Test Notes: EUT powered by POE. DCCF of 0.4 dB added to average measurement.

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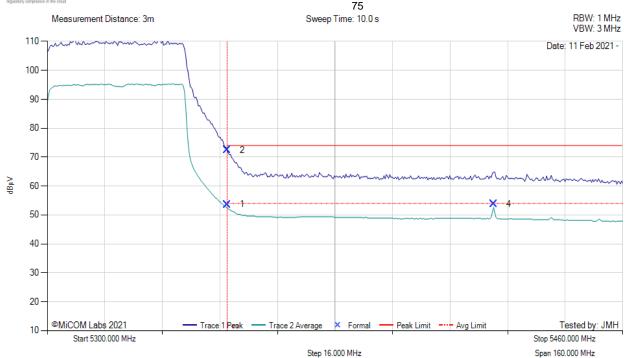


To: FCC 15.407 & ISED RSS-247

Serial #: RDWN72-U5 Rev A

#### RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 80MHz, Test Freq: 5300.00 MHz, Antenna: RADWIN RW-9613-4960, Power Setting: 1.0, Duty Cycle (%):



	5300.00 - 5460.00 MHz													
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail		
1	5350.00	16.08	3.06	34.46	53.60	Max Avg	Vertical	149	0	54.0	-0.4	Pass		
2	5350.00	34.98	3.06	34.46	72.50	Max Peak	Vertical	149	0	74.0	-1.5	Pass		
4	5424.09	16.12	3.08	34.51	53.81	Max Avg	Vertical	149	0	54.0	-0.2	Pass		
3	5350.00					Restricted- Band								

Test Notes: EUT powered by POE. DCCF of 1.25 dB added to average measurement.

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