

## Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
RF output power	5160.000	20.0	10.000000	PASS
Power Spectral Density	5160.000	20.0	10.000000	PASS
Occupied Channel Bandwidth 99%	5160.000	20.0	10.000000	PASS
Frequency stability	5160.000	20.0	10.000000	PASS
Tx Spurious Emission	5160.000	20.0	10.000000	PASS
Emissions in restricted frequency bands (Average)	5160.000	20.0	10.000000	PASS
RF output power	5200.000	20.0	10.000000	PASS
Power Spectral Density	5200.000	20.0	10.000000	PASS
RF output power	5245.000	20.0	10.000000	PASS
Power Spectral Density	5245.000	20.0	10.000000	PASS
Frequency stability	5245.000	20.0	10.000000	PASS
RF output power	5165.000	20.0	20.000000	PASS
Power Spectral Density	5165.000	20.0	20.000000	PASS
RF output power	5200.000	20.0	20.000000	PASS
Power Spectral Density	5200.000	20.0	20.000000	PASS
RF output power	5240.000	20.0	20.000000	PASS
Power Spectral Density	5240.000	20.0	20.000000	PASS
Emission Bandwidth 26 dB	5170.000	20.0	30.000000	PASS
RF output power	5170.000	20.0	30.000000	PASS
Power Spectral Density	5170.000	20.0	30.000000	PASS
RF output power	5200.000	20.0	30.000000	PASS
Power Spectral Density	5200.000	20.0	30.000000	PASS
RF output power	5235.000	20.0	30.000000	PASS
Power Spectral Density	5235.000	20.0	30.000000	PASS
RF output power	5175.000	20.0	40.000000	PASS
Power Spectral Density	5175.000	20.0	40.000000	PASS
RF output power	5200.000	20.0	40.000000	PASS
Power Spectral Density	5200.000	20.0	40.000000	PASS
RF output power	5230.000	20.0	40.000000	PASS
Power Spectral Density	5230.000	20.0	40.000000	PASS
RF output power	5180.000	20.0	50.000000	PASS
Power Spectral Density	5180.000	20.0	50.000000	PASS
RF output power	5200.000	20.0	50.000000	PASS
Power Spectral Density	5200.000	20.0	50.000000	PASS
RF output power	5225.000	20.0	50.000000	PASS
Power Spectral Density	5225.000	20.0	50.000000	PASS
Emissions in restricted frequency bands (Average)(2)	5160.000	20.0	10.000000	PASS
Emissions in restricted frequency bands (Average)	5200.000	20.0	10.000000	PASS
Emissions in restricted frequency bands (Average)	5245.000	20.0	10.000000	PASS
Emissions in restricted frequency bands (Average)	5165.000	20.0	20.000000	PASS
Emissions in restricted frequency bands (Average)	5200.000	20.0	20.000000	PASS
Emissions in restricted frequency bands (Average)	5240.000	20.0	20.000000	PASS
Emissions in restricted frequency bands (Average)	5175.000	20.0	40.000000	PASS
Emissions in restricted frequency bands (Average)	5200.000	20.0	40.000000	PASS
Emissions in restricted frequency bands (Average)	5230.000	20.0	40.000000	PASS
Emissions in restricted frequency bands (Average)	5170.000	20.0	30.000000	PASS
Emissions in restricted frequency bands (Average)	5200.000	20.0	30.000000	PASS
Emissions in restricted frequency bands (Average)	5235.000	20.0	30.000000	PASS
Emissions in restricted frequency bands (Average)	5180.000	20.0	50.000000	PASS
Emissions in restricted frequency bands (Average)	5200.000	20.0	50.000000	PASS
Emissions in restricted frequency bands (Average)	5225.000	20.0	50.000000	PASS
Emissions in restricted frequency bands (Average)(2)	5200.000	20.0	10.000000	PASS
Emissions in restricted frequency bands (Average)(2)	5245.000	20.0	10.000000	PASS
Emissions in restricted frequency bands (Average)(2)	5165.000	20.0	20.000000	PASS
Emissions in restricted frequency bands (Average)(2)	5200.000	20.0	20.000000	PASS
Emissions in restricted frequency bands (Average)(2)	5240.000	20.0	20.000000	PASS
Emissions in restricted frequency bands (Average)(2)	5175.000	20.0	40.000000	PASS
Emissions in restricted frequency bands (Average)(2)	5200.000	20.0	40.000000	PASS
Emissions in restricted frequency bands (Average)(2)	5230.000	20.0	40.000000	PASS
Emissions in restricted frequency bands (Average)(2)	5170.000	20.0	30.000000	PASS
Emissions in restricted frequency bands (Average)(2)	5200.000	20.0	30.000000	PASS

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
Emissions in restricted frequency bands (Average)(2)	5235.000	20.0	30.000000	PASS
Emissions in restricted frequency bands (Average)(2)	5180.000	20.0	50.000000	PASS
Emissions in restricted frequency bands (Average)(2)	5200.000	20.0	50.000000	PASS
Emissions in restricted frequency bands (Average)(2)	5225.000	20.0	50.000000	PASS
Tx Spurious Emission	5200.000	20.0	10.000000	PASS
Tx Spurious Emission	5245.000	20.0	10.000000	PASS
Tx Spurious Emission	5165.000	20.0	20.000000	PASS
Tx Spurious Emission	5200.000	20.0	20.000000	PASS
Tx Spurious Emission	5240.000	20.0	20.000000	PASS
Tx Spurious Emission	5175.000	20.0	40.000000	PASS
Tx Spurious Emission	5200.000	20.0	40.000000	PASS
Tx Spurious Emission	5230.000	20.0	40.000000	PASS
Tx Spurious Emission	5170.000	20.0	30.000000	PASS
Tx Spurious Emission	5200.000	20.0	30.000000	PASS
Tx Spurious Emission	5235.000	20.0	30.000000	PASS
Tx Spurious Emission	5180.000	20.0	50.000000	PASS
Tx Spurious Emission	5200.000	20.0	50.000000	PASS
Tx Spurious Emission	5225.000	20.0	50.000000	PASS
Emission Bandwidth 26 dB	5200.000	20.0	30.000000	PASS
Emission Bandwidth 26 dB	5235.000	20.0	30.000000	PASS
Emission Bandwidth 26 dB	5180.000	20.0	50.000000	PASS
Emission Bandwidth 26 dB	5200.000	20.0	50.000000	PASS
Emission Bandwidth 26 dB	5225.000	20.0	50.000000	PASS
Emission Bandwidth 26 dB	5230.000	20.0	40.000000	PASS
Emission Bandwidth 26 dB	5200.000	20.0	40.000000	PASS
Emission Bandwidth 26 dB	5175.000	20.0	40.000000	PASS
Emission Bandwidth 26 dB	5240.000	20.0	20.000000	PASS
Emission Bandwidth 26 dB	5200.000	20.0	20.000000	PASS
Emission Bandwidth 26 dB	5165.000	20.0	20.000000	PASS
Emission Bandwidth 26 dB	5245.000	20.0	10.000000	PASS
Emission Bandwidth 26 dB	5200.000	20.0	10.000000	PASS
Emission Bandwidth 26 dB	5160.000	20.0	10.000000	PASS
Occupied Channel Bandwidth 99%	5200.000	20.0	10.000000	PASS
Occupied Channel Bandwidth 99%	5245.000	20.0	10.000000	PASS
Occupied Channel Bandwidth 99%	5165.000	20.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5200.000	20.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5240.000	20.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5175.000	20.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5200.000	20.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5230.000	20.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5170.000	20.0	30.000000	PASS
Occupied Channel Bandwidth 99%	5200.000	20.0	30.000000	PASS
Occupied Channel Bandwidth 99%	5235.000	20.0	30.000000	PASS
Occupied Channel Bandwidth 99%	5180.000	20.0	50.000000	PASS
Occupied Channel Bandwidth 99%	5200.000	20.0	50.000000	PASS
Occupied Channel Bandwidth 99%	5225.000	20.0	50.000000	PASS

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**RF output power (5160 MHz; \_\_\_\_\_ (20 dBm); 10 MHz)**

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.E and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5160.000000	20.5	30.0	20.5	98.353	PASS

**Power Spectral Density (5160 MHz; \_\_\_\_\_ (20 dBm); 10 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5160.000000	5158.019802	5.963	17.0	PASS

**Ports**

Port	Duty Cycle (%)
1	0.000
2	0.000

**Measurement**

Setting	Instrument Value	Target Value
Start Frequency	5.15500 GHz	5.15500 GHz
Stop Frequency	5.16500 GHz	5.16500 GHz
Span	10.000 MHz	10.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 20
SweepTime	2.020 ms	2.020 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

**Occupied Channel Bandwidth 99% (5160 MHz; \_\_\_\_\_ (20 dBm); 10 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

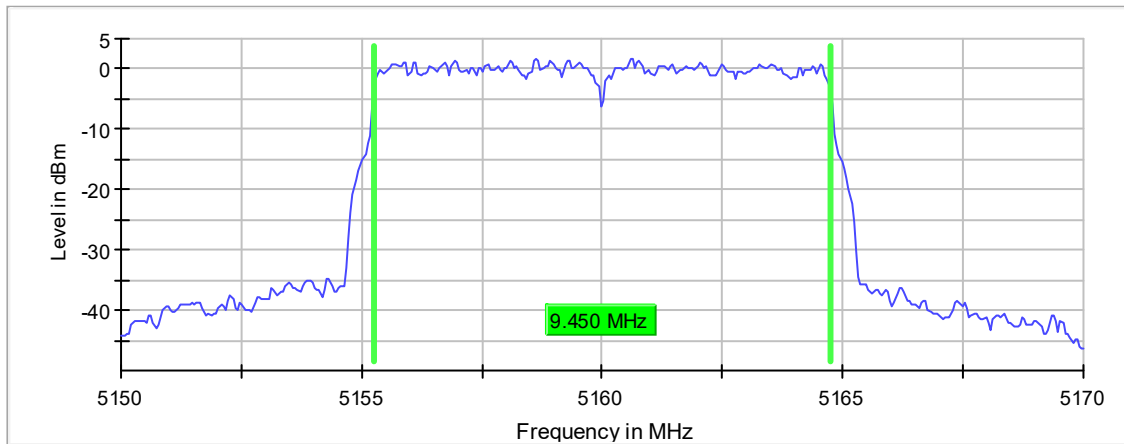
**99 % Bandwidth**

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5160.000000	9.450000	---	---	5155.275000	5164.725000

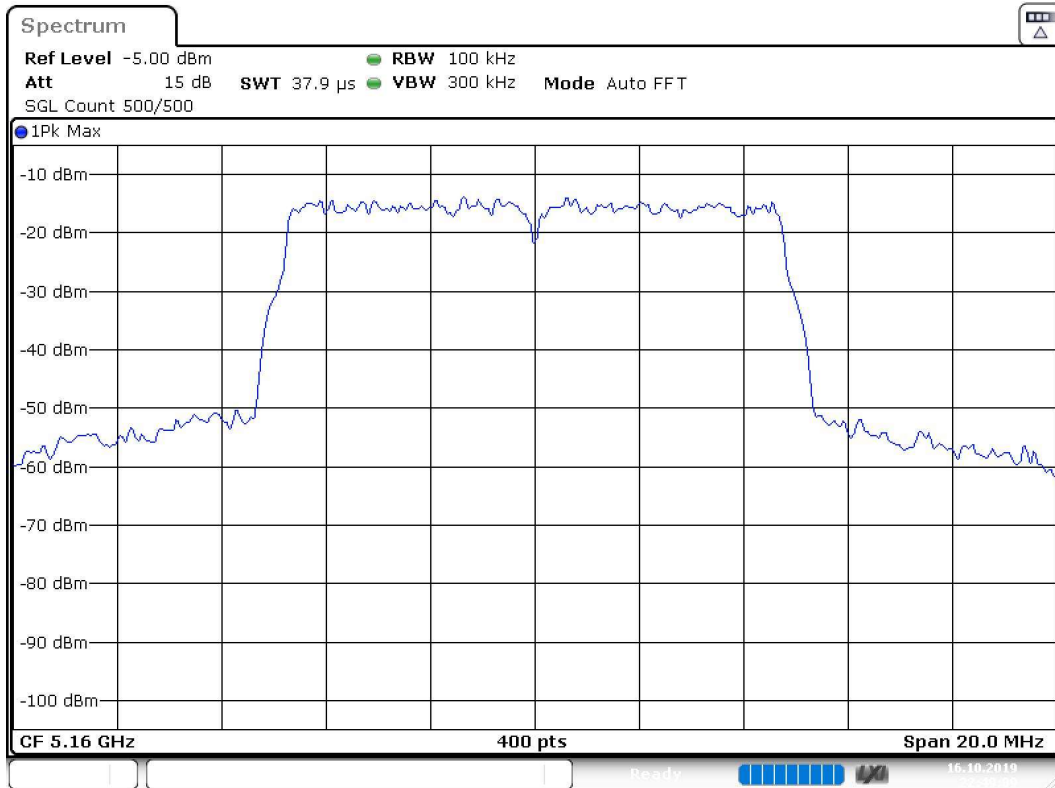
(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5160.000000	PASS

99 % Bandwidth



Bandwidth



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### Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.15000 GHz	5.15000 GHz
Stop Frequency	5.17000 GHz	5.17000 GHz
Span	20.000 MHz	20.000 MHz
RBW	100.000 kHz	>= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	400	~ 400
Sweptime	37.891 μs	AUTO
Reference Level	-5.000 dBm	-5.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

**Frequency stability (5160 MHz; \_\_\_\_\_ (20 dBm); 10 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(g), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 A.3 and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Frequency (MHz)	Difference (ppm)	Frequency Difference (kHz)	Limit Min (MHz)	Limit Max (MHz)	Result
5160.000000	5160.001500	0.291	1.499500	---	---	PASS

**Measurement**

Setting	Instrument Value	Target Value
Start Frequency	5.15500 GHz	5.15500 GHz
Stop Frequency	5.16500 GHz	5.16500 GHz
Span	10.000 MHz	10.000 MHz
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	10001	~ 10001
SweepTime	568.782 $\mu$ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	50	50
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

**Tx Spurious Emission (5160 MHz; \_\_\_\_\_ (20 dBm); 10 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.4&amp;5 and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Result
5160.000000	PASS

**Final measurements**

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
5149.729696	-19.0	-45.9	-27.0	18.9	PASS

**Pre Measurements**

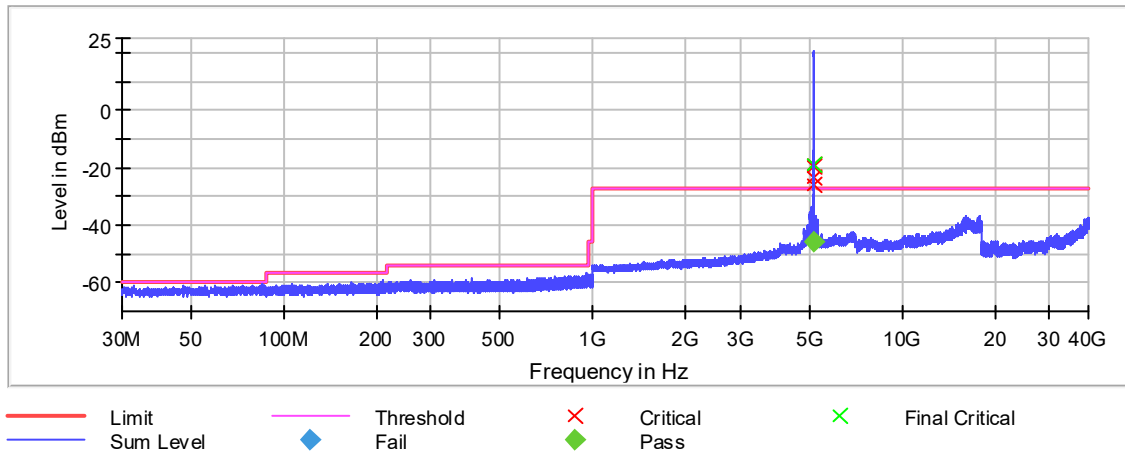
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
5149.729696	-19.0	-8.0	-27.0
5149.198463	-19.7	-7.3	-27.0
5148.135996	-23.7	-3.3	-27.0
5147.604762	-26.2	-0.8	-27.0
5148.667229	-27.8	0.8	-27.0
85.225000	-60.7	0.8	-59.9
87.025000	-60.9	1.0	-59.9
86.425000	-61.1	1.2	-59.9
59.875000	-61.1	1.2	-59.9
47.225000	-61.3	1.4	-59.9
68.525000	-61.3	1.4	-59.9
32.625000	-61.3	1.4	-59.9
78.825000	-61.3	1.4	-59.9
55.325000	-61.3	1.4	-59.9
84.575000	-61.4	1.5	-59.9

**Measurement Settings**

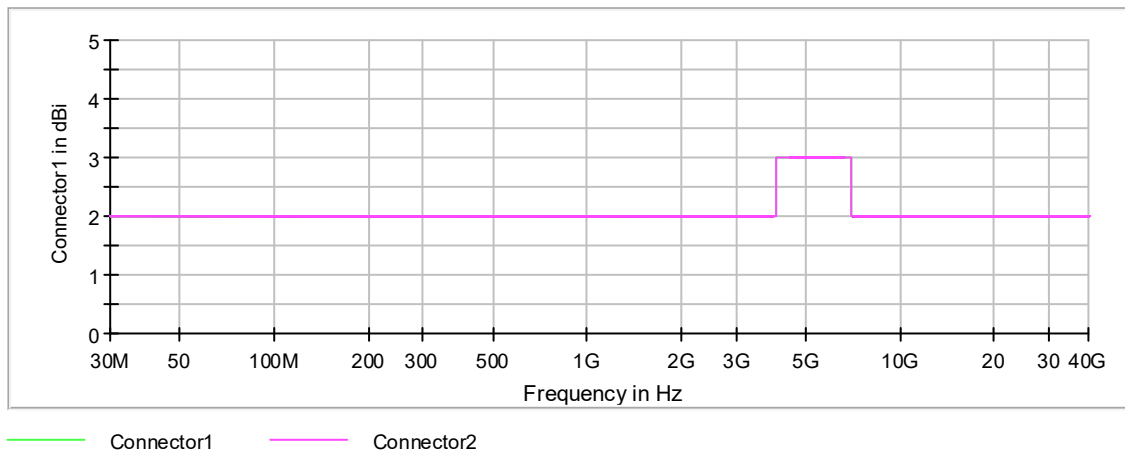
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	1000.000000	1	1
1000.000000	18000.000000	2	2
18000.000000	40000.000000	2	2



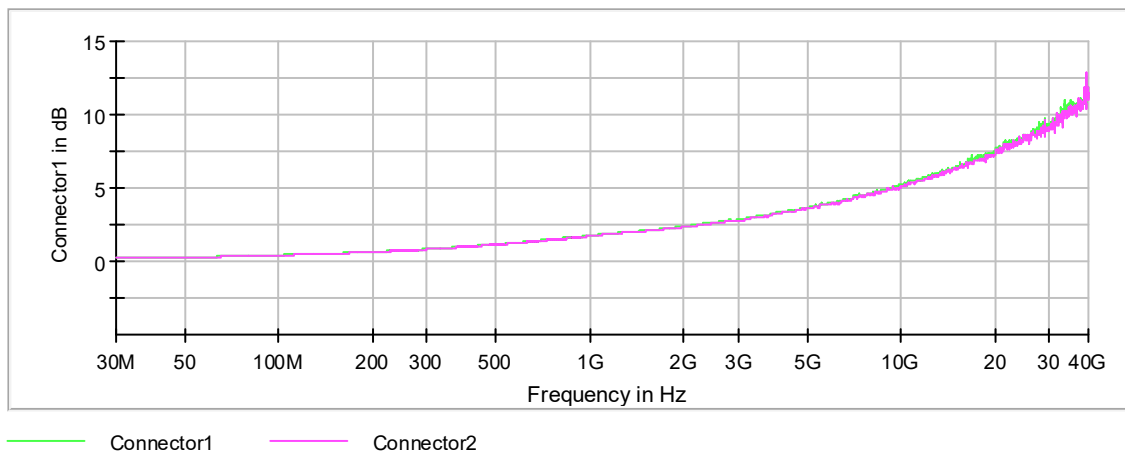
Spurious



Gain



Attenuation



## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	<= 120.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	19400	~ 19400
SweepTime	19.400 s	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	Channel	Channel
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	32001	~ 34000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Final Measurement 2

Setting	Instrument Value	Target Value
Span	ZeroSpan	ZeroSpan
RBW	1.000 MHz	~ 1.000 MHz
VBW	30.000 Hz	~ 30.000 Hz
SweepPoints	101	~ 101
SweepTime	1.000 s	1.000 s
Reference Level	5.000 dBm	AUTO
Attenuation	15.000 dB	15.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Emissions in restricted frequency bands (Average) (5160 MHz; \_\_\_\_\_ (20 dBm); 10 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5160.000000	PASS

### Final measurements

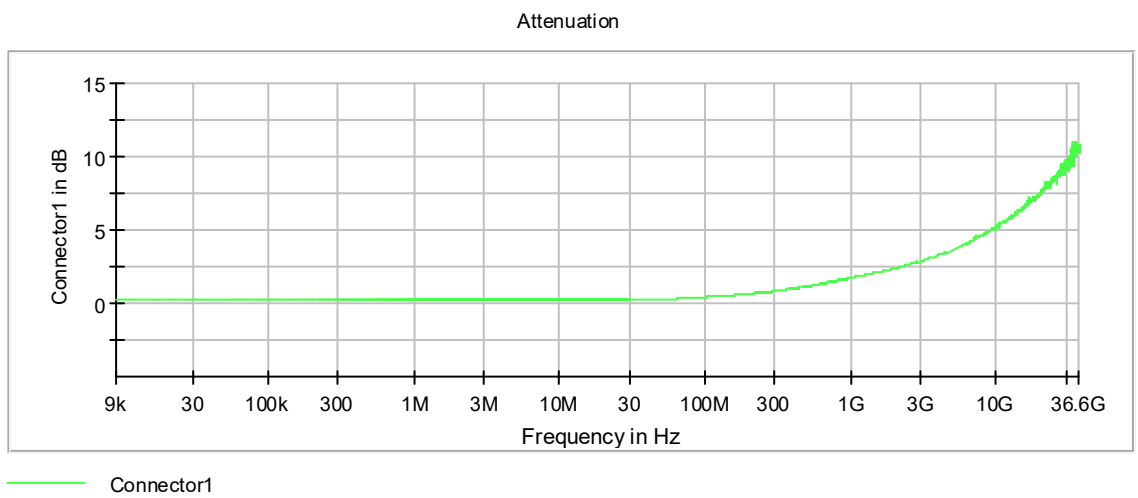
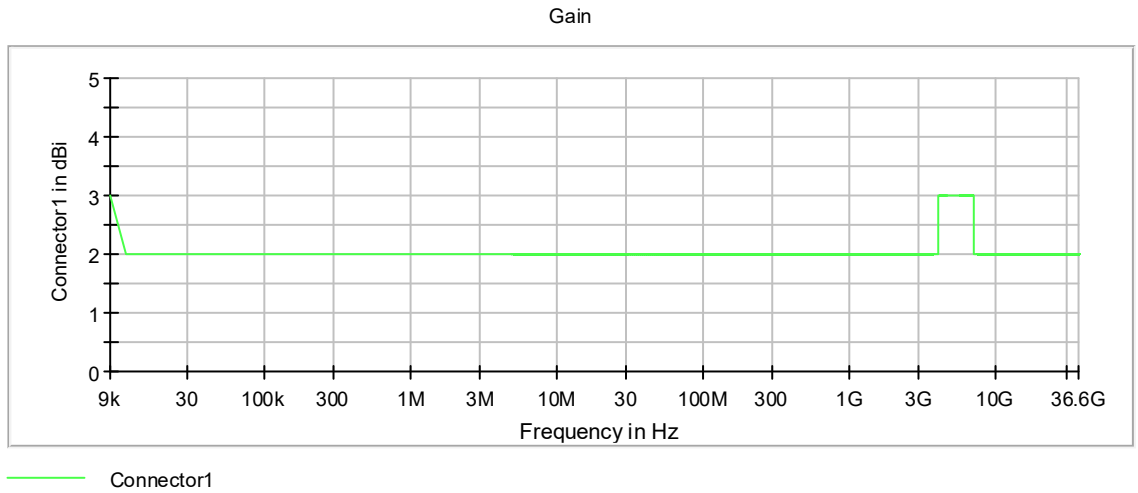
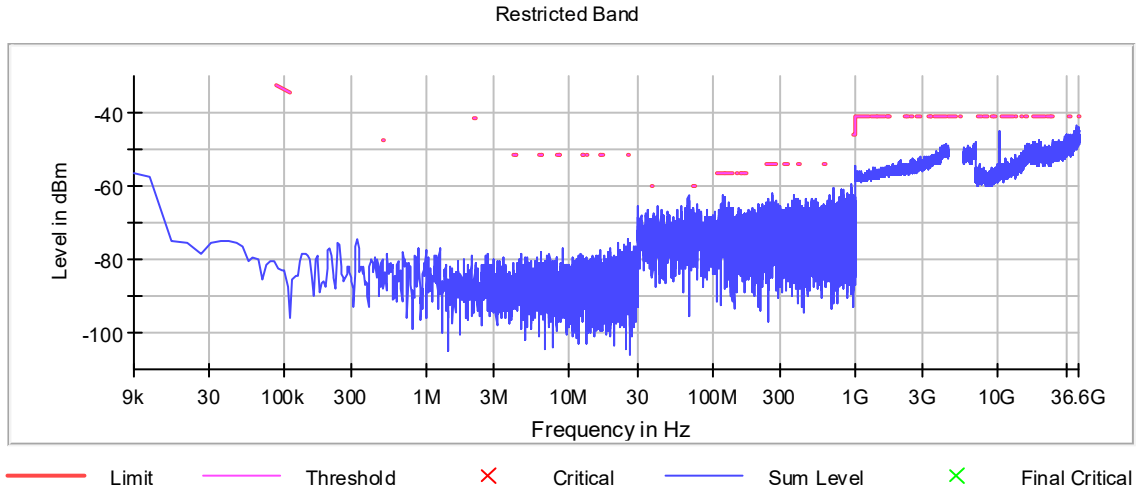
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36473.000844	-44.0	2.8	-41.2
36455.563889	-44.2	3.0	-41.2
36482.300553	-44.8	3.6	-41.2
36485.206712	-44.8	3.6	-41.2
36466.026062	-44.9	3.7	-41.2
36439.289397	-44.9	3.7	-41.2
36481.719321	-45.0	3.8	-41.2
36443.939252	-45.2	4.0	-41.2
36436.383238	-45.2	4.0	-41.2
36498.575045	-45.3	4.1	-41.2
36482.881785	-45.3	4.1	-41.2
36490.437799	-45.3	4.1	-41.2
36475.325771	-45.3	4.1	-41.2
36443.358020	-45.3	4.1	-41.2
36484.625480	-45.4	4.2	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1



## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

**RF output power (5200 MHz; \_\_\_\_\_ (20 dBm); 10 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.E and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5200.000000	27.4	53.0	27.4	98.357	PASS

**Power Spectral Density (5200 MHz; \_\_\_\_\_ (20 dBm); 10 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5200.000000	5201.386139	13.140	17.0	PASS

**Ports**

Port	Duty Cycle (%)
1	0.000
2	0.000

**Measurement**

Setting	Instrument Value	Target Value
Start Frequency	5.19500 GHz	5.19500 GHz
Stop Frequency	5.20500 GHz	5.20500 GHz
Span	10.000 MHz	10.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 20
SweepTime	2.020 ms	2.020 ms
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

**RF output power (5245 MHz; \_\_\_\_\_ (20 dBm); 10 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.E and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5245.000000	28.2	53.0	28.2	98.357	PASS



**Power Spectral Density (5245 MHz; \_\_\_\_\_ (20 dBm); 10 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5245.000000	5246.386139	13.659	17.0	PASS

**Ports**

Port	Duty Cycle (%)
1	0.000
2	0.000

**Measurement**

Setting	Instrument Value	Target Value
Start Frequency	5.24000 GHz	5.24000 GHz
Stop Frequency	5.25000 GHz	5.25000 GHz
Span	10.000 MHz	10.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 20
SweepTime	2.020 ms	2.020 ms
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

**Frequency stability (5245 MHz; \_\_\_\_\_ (20 dBm); 10 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(g), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 A.3 and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Frequency (MHz)	Difference (ppm)	Frequency Difference (kHz)	Limit Min (MHz)	Limit Max (MHz)	Result
5245.000000	5245.001000	0.191	1.000000	---	---	PASS

**Measurement**

Setting	Instrument Value	Target Value
Start Frequency	5.24000 GHz	5.24000 GHz
Stop Frequency	5.25000 GHz	5.25000 GHz
Span	10.000 MHz	10.000 MHz
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	10001	~ 10001
SweepTime	568.782 $\mu$ s	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	50	50
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

**RF output power (5165 MHz; \_\_\_\_\_ (20 dBm); 20 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.E and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5165.000000	19.9	53.0	19.9	99.411	PASS

**Power Spectral Density (5165 MHz; \_\_\_\_\_ (20 dBm); 20 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5165.000000	5160.643564	3.060	17.0	PASS

**Ports**

Port	Duty Cycle (%)
1	0.000
2	0.000

**Measurement**

Setting	Instrument Value	Target Value
Start Frequency	5.15500 GHz	5.15500 GHz
Stop Frequency	5.17500 GHz	5.17500 GHz
Span	20.000 MHz	20.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 40
SweepTime	2.020 ms	2.020 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

## RF output power (5200 MHz; \_\_\_\_\_ (20 dBm); 20 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.E and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5200.000000	23.2	53.0	23.2	99.410	PASS

**Power Spectral Density (5200 MHz; \_\_\_\_\_ (20 dBm); 20 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5200.000000	5198.811881	5.706	17.0	PASS

**Ports**

Port	Duty Cycle (%)
1	0.000
2	0.000

**Measurement**

Setting	Instrument Value	Target Value
Start Frequency	5.19000 GHz	5.19000 GHz
Stop Frequency	5.21000 GHz	5.21000 GHz
Span	20.000 MHz	20.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 40
SweepTime	2.020 ms	2.020 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

## RF output power (5240 MHz; \_\_\_\_\_ (20 dBm); 20 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.E and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5240.000000	28.3	53.0	28.3	99.412	PASS

**Power Spectral Density (5240 MHz; \_\_\_\_\_ (20 dBm); 20 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5240.000000	5241.188119	10.878	17.0	PASS

**Ports**

Port	Duty Cycle (%)
1	0.000
2	0.000

**Measurement**

Setting	Instrument Value	Target Value
Start Frequency	5.23000 GHz	5.23000 GHz
Stop Frequency	5.25000 GHz	5.25000 GHz
Span	20.000 MHz	20.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 40
SweepTime	2.020 ms	2.020 ms
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off



# Emission Bandwidth 26 dB (5170 MHz; \_\_\_\_\_ (20 dBm); 30 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

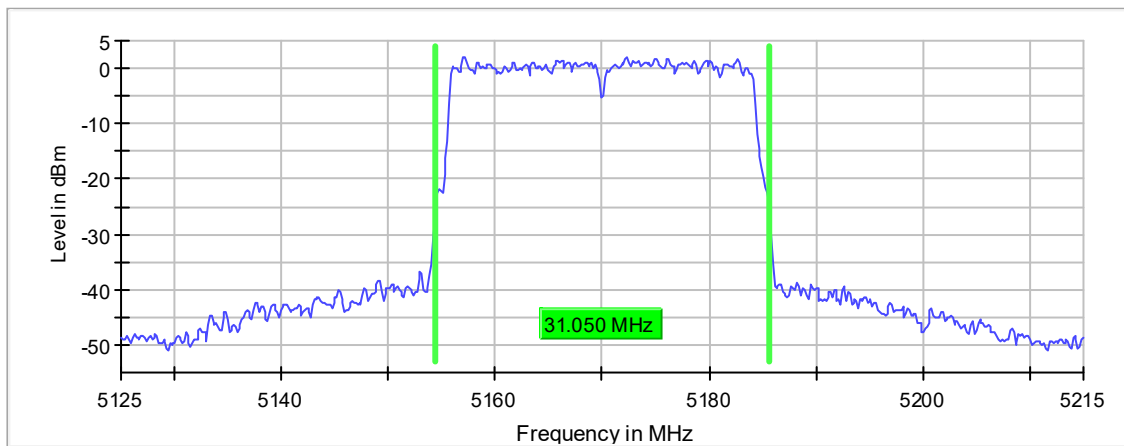
## 26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5170.000000	31.050000	---	---	5154.475000	5185.525000

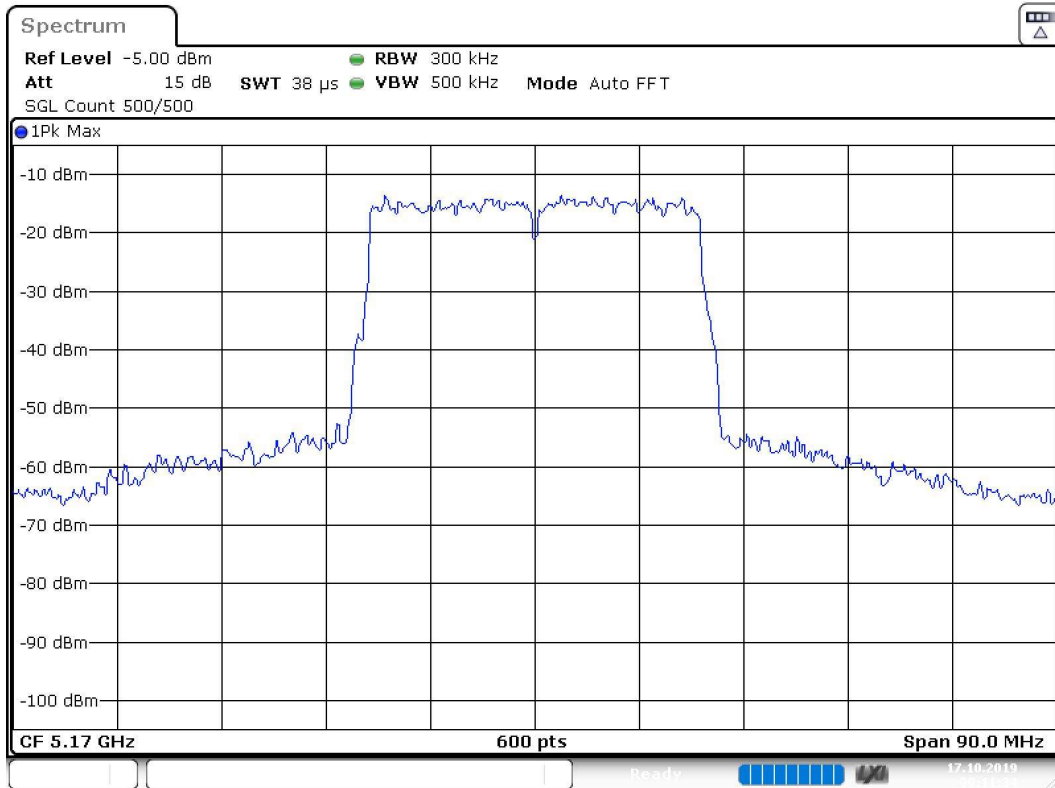
(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5170.000000	2.1	PASS

26 dB Bandwidth



Bandwidth



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### Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.1250 GHz	5.1250 GHz
Stop Frequency	5.2150 GHz	5.2150 GHz
Span	90.000 MHz	90.000 MHz
RBW	300.000 kHz	~ 300.000 kHz
VBW	500.000 kHz	>= 360.000 kHz
SweepPoints	600	~ 600
Sweptime	37.969 $\mu$ s	AUTO
Reference Level	-5.000 dBm	-5.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

**RF output power (5170 MHz; \_\_\_\_\_ (20 dBm); 30 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.E and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5170.000000	20.8	53.0	20.8	99.597	PASS

**Power Spectral Density (5170 MHz; \_\_\_\_\_ (20 dBm); 30 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5170.000000	5168.217822	3.635	17.0	PASS

**Ports**

Port	Duty Cycle (%)
1	0.000
2	0.000

**Measurement**

Setting	Instrument Value	Target Value
Start Frequency	5.15500 GHz	5.15500 GHz
Stop Frequency	5.18500 GHz	5.18500 GHz
Span	30.000 MHz	30.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 60
SweepTime	2.020 ms	2.020 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

**RF output power (5200 MHz; \_\_\_\_\_ (20 dBm); 30 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.E and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5200.000000	24.3	53.0	24.3	99.595	PASS

**Power Spectral Density (5200 MHz; \_\_\_\_\_ (20 dBm); 30 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5200.000000	5198.514851	7.374	17.0	PASS

**Ports**

Port	Duty Cycle (%)
1	0.000
2	0.000

**Measurement**

Setting	Instrument Value	Target Value
Start Frequency	5.18500 GHz	5.18500 GHz
Stop Frequency	5.21500 GHz	5.21500 GHz
Span	30.000 MHz	30.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 60
SweepTime	2.020 ms	2.020 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

**RF output power (5235 MHz; \_\_\_\_\_ (20 dBm); 30 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.E and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5235.000000	27.3	53.0	27.3	99.596	PASS

## Power Spectral Density (5235 MHz; \_\_\_\_\_ (20 dBm); 30 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5235.000000	5232.920792	9.824	17.0	PASS

### Ports

Port	Duty Cycle (%)
1	0.000
2	0.000

### Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.22000 GHz	5.22000 GHz
Stop Frequency	5.25000 GHz	5.25000 GHz
Span	30.000 MHz	30.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 60
SweepTime	2.020 ms	2.020 ms
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off



**RF output power (5175 MHz; \_\_\_\_\_ (20 dBm); 40 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.E and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5175.000000	19.8	53.0	19.8	99.485	PASS

**Power Spectral Density (5175 MHz; \_\_\_\_\_ (20 dBm); 40 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5175.000000	5178.168317	1.264	17.0	PASS

**Ports**

Port	Duty Cycle (%)
1	0.000
2	0.000

**Measurement**

Setting	Instrument Value	Target Value
Start Frequency	5.15500 GHz	5.15500 GHz
Stop Frequency	5.19500 GHz	5.19500 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 80
SweepTime	2.020 ms	2.020 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

**RF output power (5200 MHz; \_\_\_\_\_ (20 dBm); 40 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.E and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5200.000000	19.6	53.0	19.6	99.485	PASS

**Power Spectral Density (5200 MHz; \_\_\_\_\_ (20 dBm); 40 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5200.000000	5191.683168	1.268	17.0	PASS

**Ports**

Port	Duty Cycle (%)
1	0.000
2	0.000

**Measurement**

Setting	Instrument Value	Target Value
Start Frequency	5.18000 GHz	5.18000 GHz
Stop Frequency	5.22000 GHz	5.22000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 80
SweepTime	2.020 ms	2.020 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

**RF output power (5230 MHz; \_\_\_\_\_ (20 dBm); 40 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.E and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5230.000000	25.1	53.0	25.1	99.482	PASS

**Power Spectral Density (5230 MHz; \_\_\_\_\_ (20 dBm); 40 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5230.000000	5224.851485	6.567	17.0	PASS

**Ports**

Port	Duty Cycle (%)
1	0.000
2	0.000

**Measurement**

Setting	Instrument Value	Target Value
Start Frequency	5.21000 GHz	5.21000 GHz
Stop Frequency	5.25000 GHz	5.25000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 80
SweepTime	2.020 ms	2.020 ms
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

## RF output power (5180 MHz; \_\_\_\_\_ (20 dBm); 50 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.E and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5180.000000	18.6	53.0	18.6	99.705	PASS

**Power Spectral Density (5180 MHz; \_\_\_\_\_ (20 dBm); 50 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5180.000000	5170.099010	-0.868	17.0	PASS

**Ports**

Port	Duty Cycle (%)
1	0.000
2	0.000

**Measurement**

Setting	Instrument Value	Target Value
Start Frequency	5.15500 GHz	5.15500 GHz
Stop Frequency	5.20500 GHz	5.20500 GHz
Span	50.000 MHz	50.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 100
SweepTime	2.020 ms	2.020 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off



**RF output power (5200 MHz; \_\_\_\_\_ (20 dBm); 50 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.E and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5200.000000	18.6	53.0	18.6	99.705	PASS

## Power Spectral Density (5200 MHz; \_\_\_\_\_ (20 dBm); 50 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5200.000000	5201.980198	-0.742	17.0	PASS

### Ports

Port	Duty Cycle (%)
1	0.000
2	0.000

### Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.17500 GHz	5.17500 GHz
Stop Frequency	5.22500 GHz	5.22500 GHz
Span	50.000 MHz	50.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 100
SweepTime	2.020 ms	2.020 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

## RF output power (5225 MHz; \_\_\_\_\_ (20 dBm); 50 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.E and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5225.000000	18.6	53.0	18.6	99.705	PASS

**Power Spectral Density (5225 MHz; \_\_\_\_\_ (20 dBm); 50 MHz)**

Customized settings.

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

**Result**

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5225.000000	5235.891089	-0.862	17.0	PASS

**Ports**

Port	Duty Cycle (%)
1	0.000
2	0.000

**Measurement**

Setting	Instrument Value	Target Value
Start Frequency	5.20000 GHz	5.20000 GHz
Stop Frequency	5.25000 GHz	5.25000 GHz
Span	50.000 MHz	50.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 100
SweepTime	2.020 ms	2.020 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

## Emissions in restricted frequency bands (Average)(2) (5160 MHz; \_\_\_\_\_ (20 dBm); 10 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5160.000000	PASS

### Final measurements

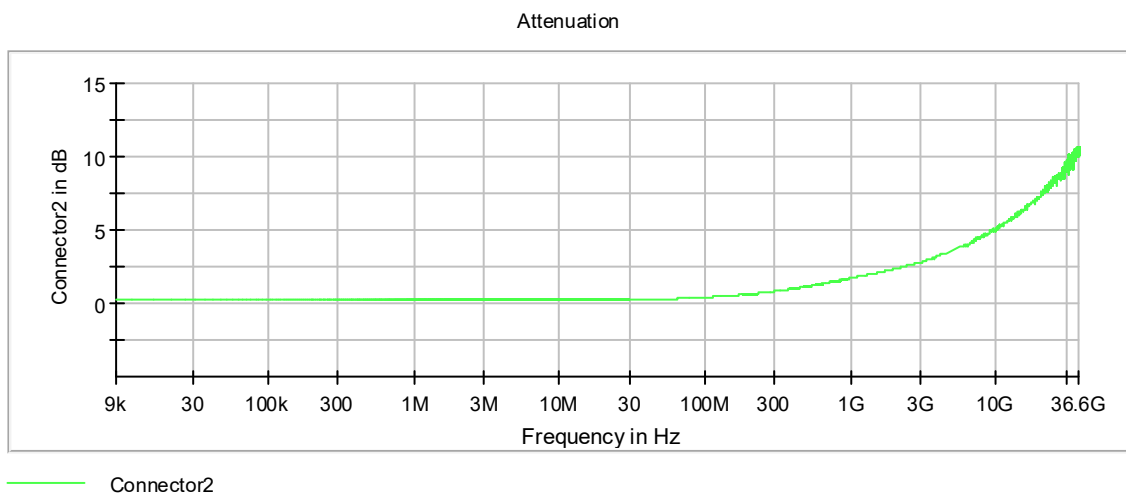
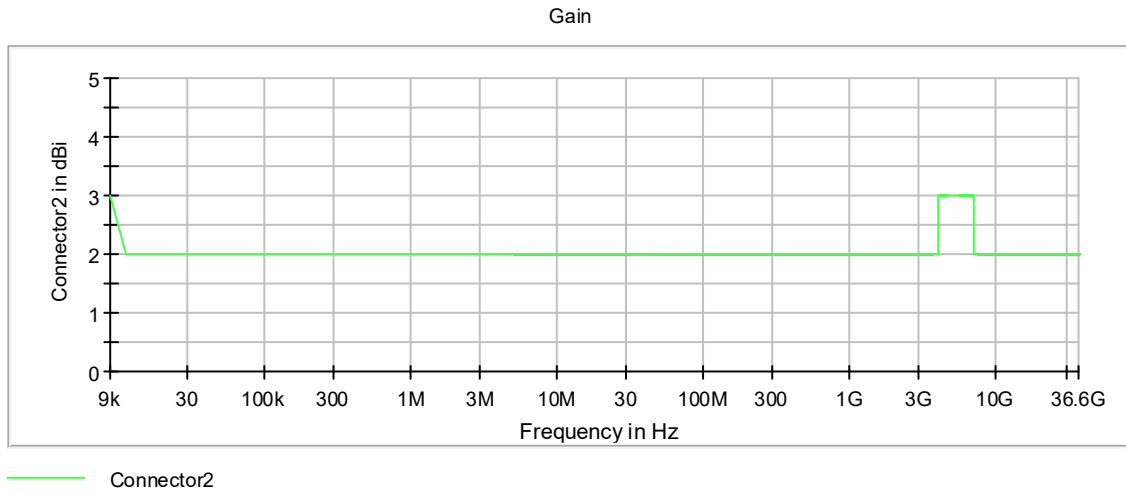
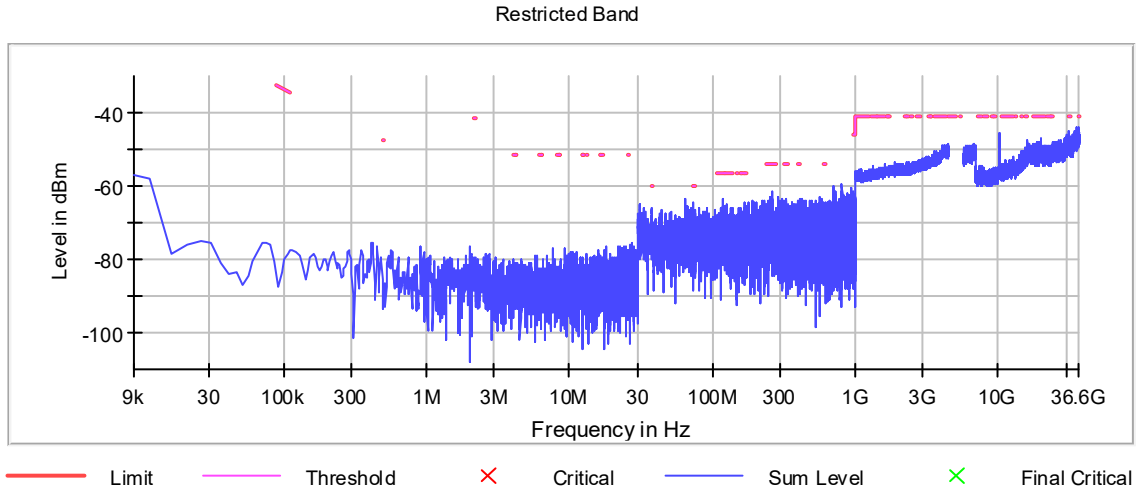
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36497.412581	-43.9	2.7	-41.2
36466.026062	-44.9	3.7	-41.2
36474.744539	-44.9	3.7	-41.2
36473.000844	-45.0	3.8	-41.2
36492.181494	-45.0	3.8	-41.2
36481.719321	-45.0	3.8	-41.2
31574.960157	-45.1	3.9	-41.2
36495.087654	-45.2	4.0	-41.2
36491.019031	-45.3	4.1	-41.2
36461.376207	-45.4	4.2	-41.2
36449.170338	-45.4	4.2	-41.2
36433.477079	-45.5	4.3	-41.2
36464.282366	-45.6	4.4	-41.2
36499.737508	-45.7	4.5	-41.2
36471.838380	-45.7	4.5	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1



## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

## Emissions in restricted frequency bands (Average) (5200 MHz; \_\_\_\_\_ (20 dBm); 10 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5200.000000	PASS

### Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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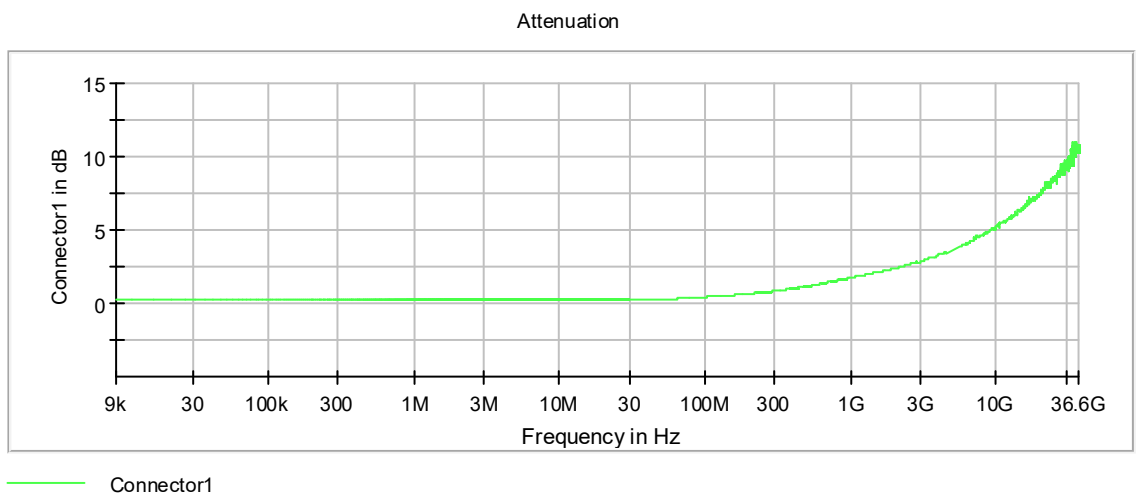
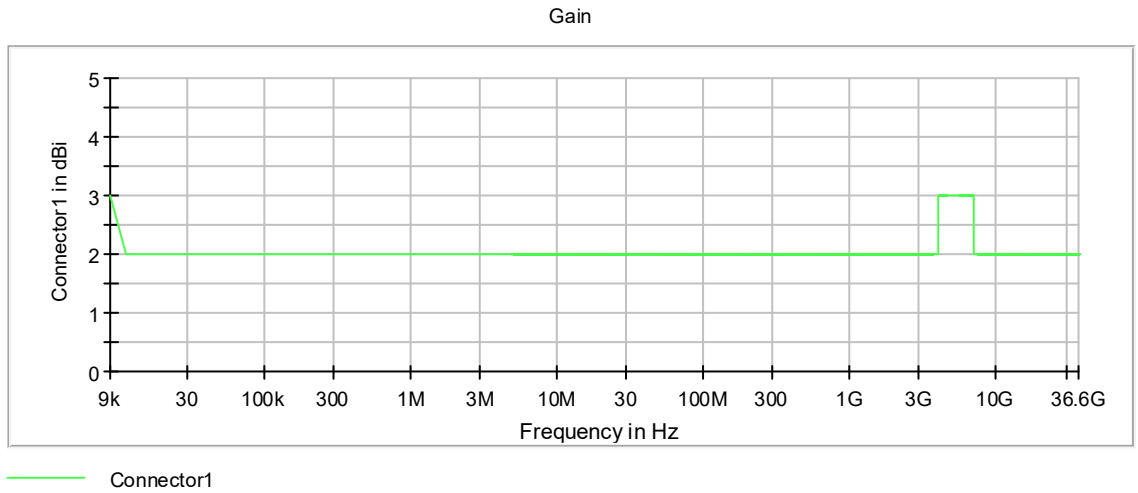
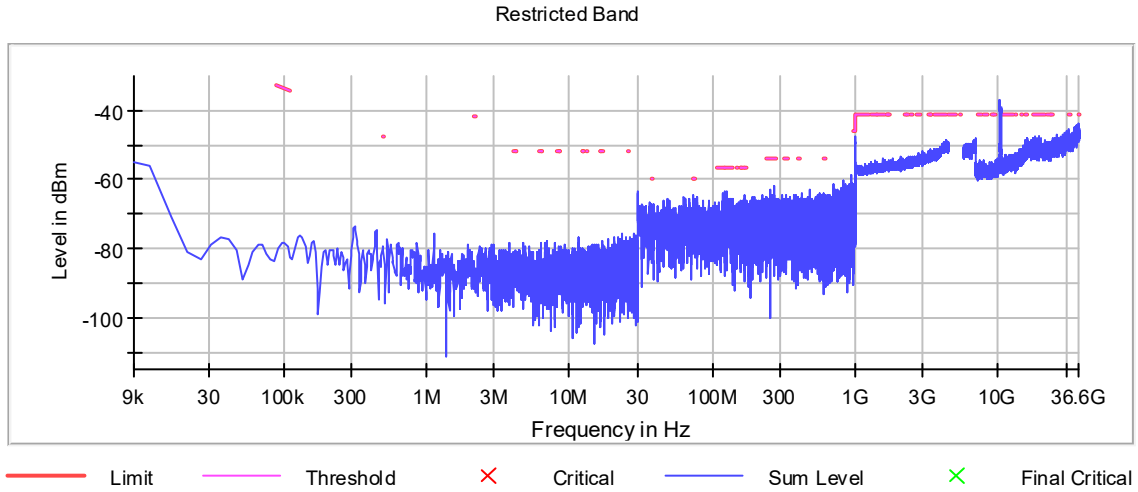
### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
1000.000000	-47.4	1.5	-45.9
36496.831349	-44.6	3.4	-41.2
36494.506422	-44.9	3.7	-41.2
36490.437799	-45.0	3.8	-41.2
36464.282366	-45.1	3.9	-41.2
36478.231930	-45.2	4.0	-41.2
36489.275335	-45.3	4.1	-41.2
36471.257148	-45.3	4.1	-41.2
36488.694103	-45.4	4.2	-41.2
36436.964470	-45.4	4.2	-41.2
36431.733383	-45.5	4.3	-41.2
36449.751570	-45.5	4.3	-41.2
36467.769757	-45.5	4.3	-41.2
36434.058311	-45.6	4.4	-41.2
36483.463017	-45.6	4.4	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1





## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

## Emissions in restricted frequency bands (Average) (5245 MHz; \_\_\_\_\_ (20 dBm); 10 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5245.000000	PASS

### Final measurements

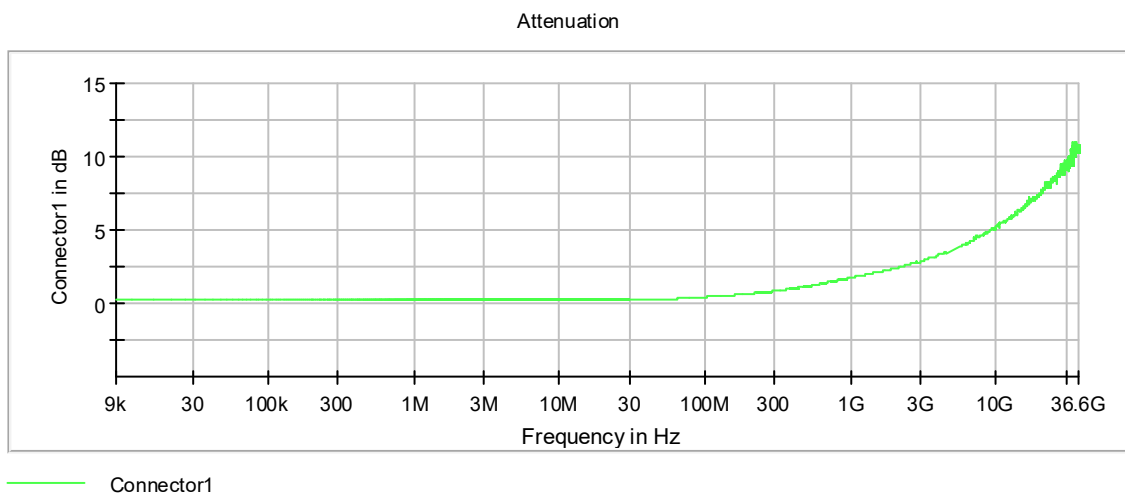
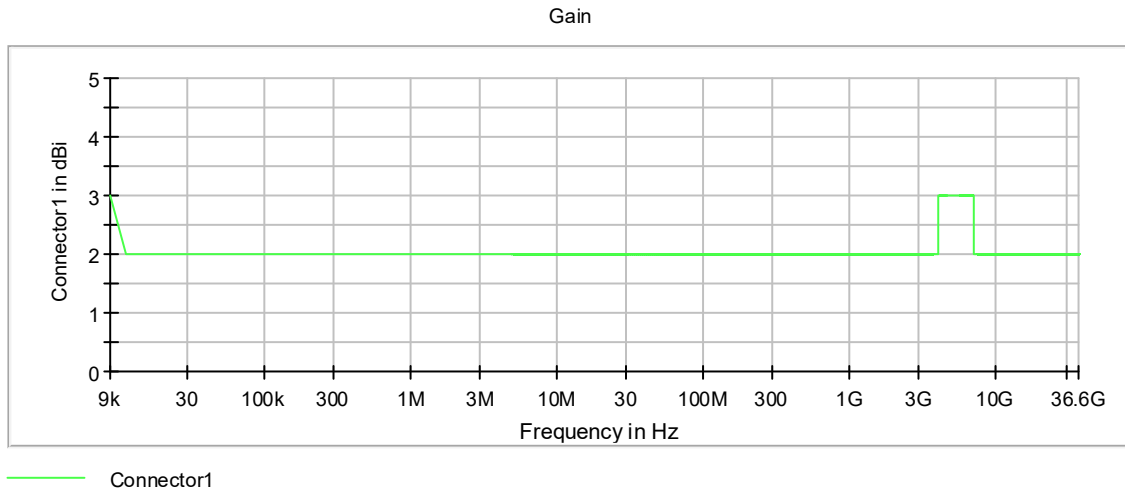
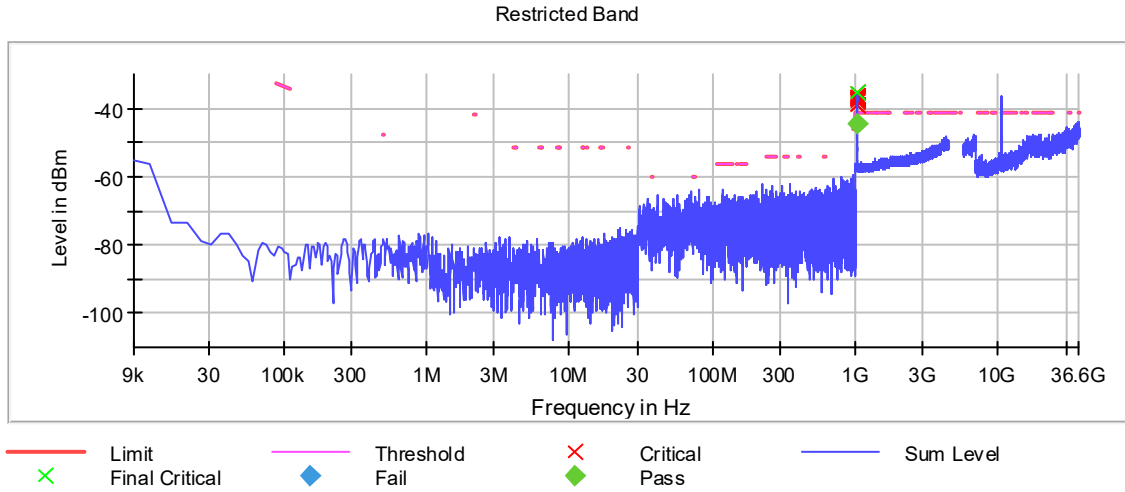
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
1040.250000	-35.4	-44.4	-41.2	3.2	PASS

### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
1040.250000	-35.4	-5.8	-41.2
1037.250000	-36.3	-4.9	-41.2
1040.750000	-36.3	-4.9	-41.2
1039.250000	-36.5	-4.7	-41.2
1039.750000	-36.7	-4.5	-41.2
1041.250000	-36.7	-4.5	-41.2
1037.750000	-36.8	-4.4	-41.2
1038.750000	-36.9	-4.3	-41.2
1043.750000	-37.0	-4.2	-41.2
1036.750000	-37.1	-4.1	-41.2
1042.250000	-37.3	-3.9	-41.2
1041.750000	-37.3	-3.9	-41.2
1043.250000	-37.5	-3.7	-41.2
1038.250000	-37.7	-3.5	-41.2
1036.250000	-37.7	-3.5	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1



## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

## Final Measurement 1

Setting	Instrument Value	Target Value
Span	ZeroSpan	ZeroSpan
RBW	1.000 MHz	~ 1.000 MHz
VBW	30.000 Hz	~ 30.000 Hz
SweepPoints	101	~ 101
SweepTime	1.000 s	1.000 s
Reference Level	5.000 dBm	AUTO
Attenuation	15.000 dB	15.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Emissions in restricted frequency bands (Average) (5165 MHz; \_\_\_\_\_ (20 dBm); 20 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5165.000000	PASS

### Final measurements

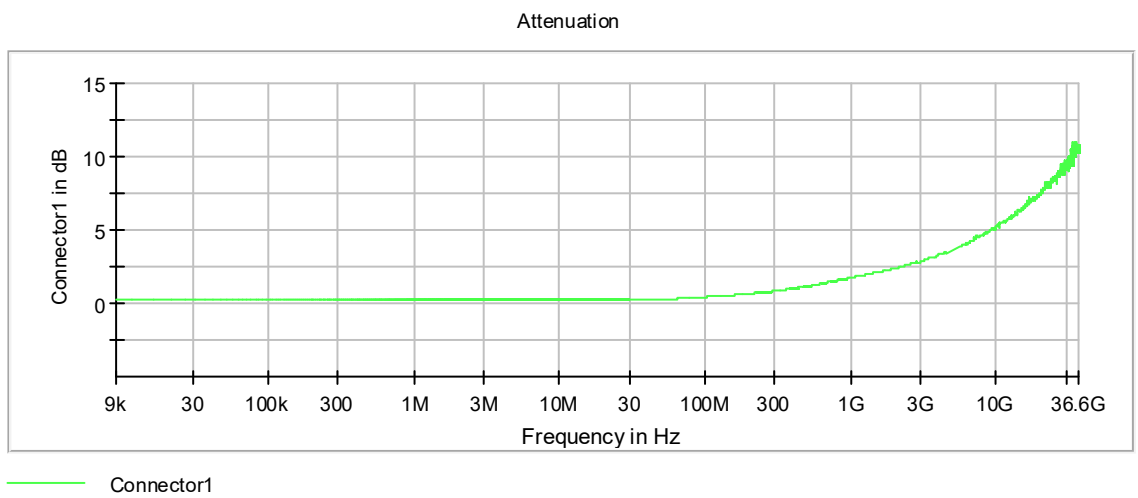
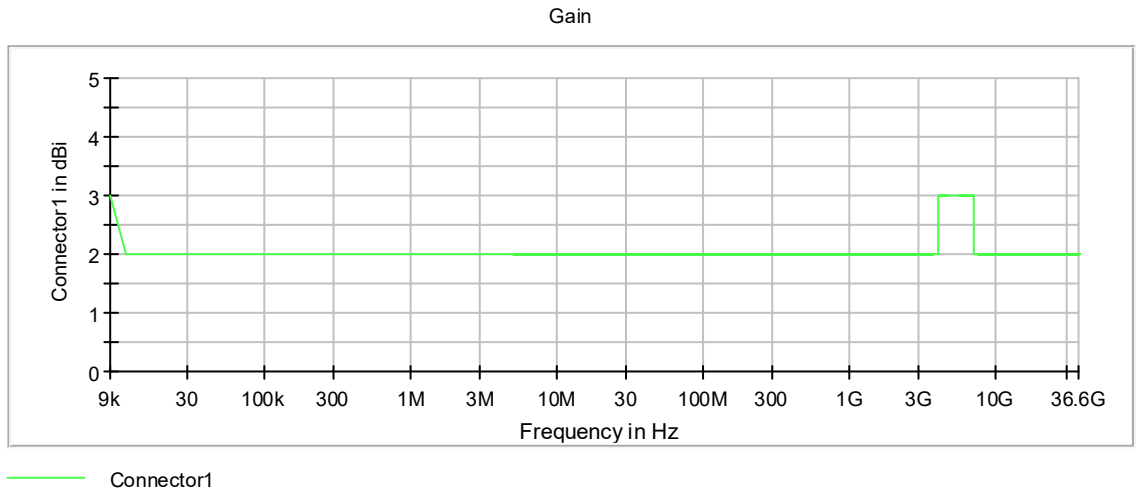
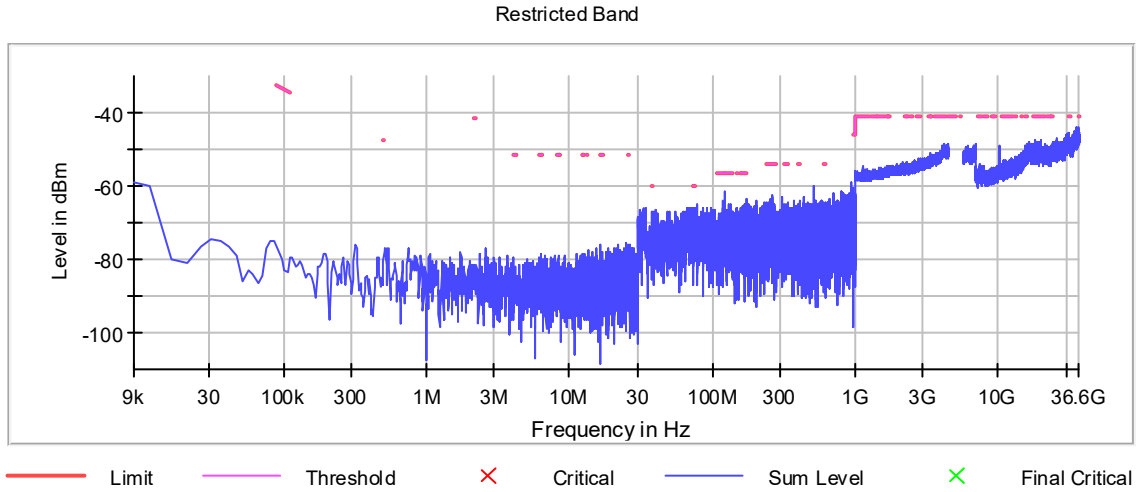
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36443.358020	-44.3	3.1	-41.2
36497.993813	-44.6	3.4	-41.2
36437.545702	-44.7	3.5	-41.2
36434.639543	-44.8	3.6	-41.2
36441.614325	-44.9	3.7	-41.2
36485.787944	-45.0	3.8	-41.2
36471.257148	-45.1	3.9	-41.2
36496.831349	-45.1	3.9	-41.2
36486.950408	-45.1	3.9	-41.2
36450.332802	-45.2	4.0	-41.2
36433.477079	-45.2	4.0	-41.2
36452.657729	-45.2	4.0	-41.2
36458.470048	-45.3	4.1	-41.2
36492.181494	-45.3	4.1	-41.2
36476.488235	-45.4	4.2	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1



## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off



## Emissions in restricted frequency bands (Average) (5200 MHz; \_\_\_\_\_ (20 dBm); 20 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5200.000000	PASS

### Final measurements

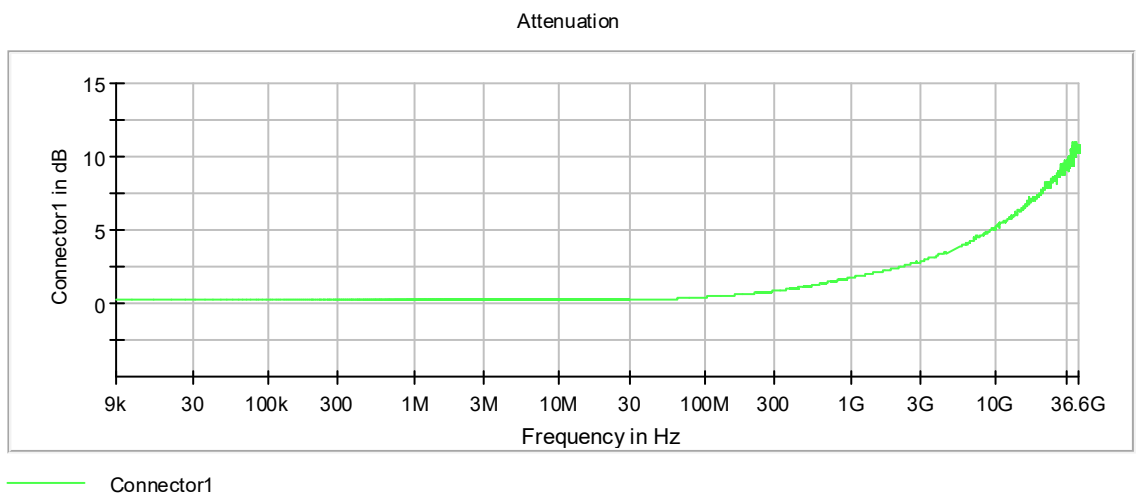
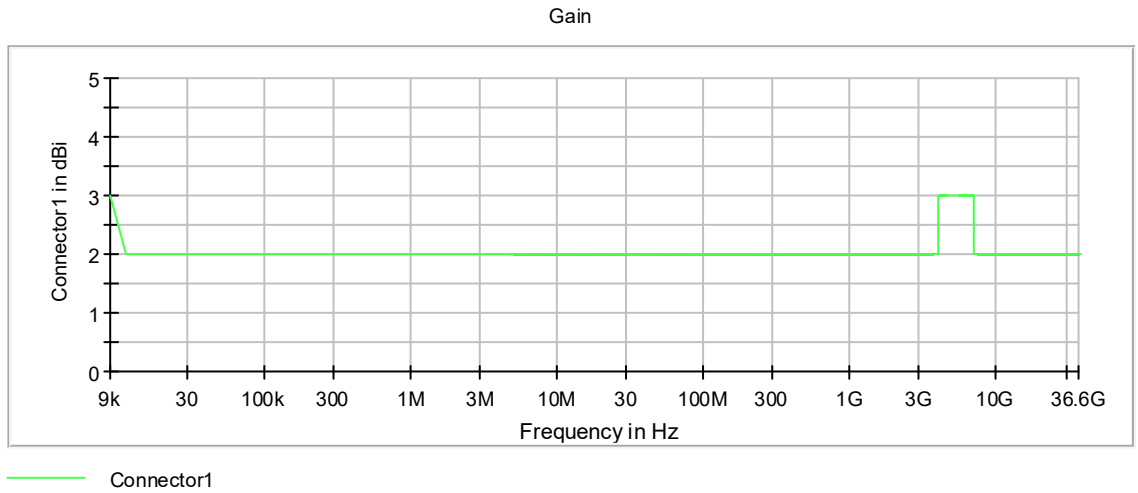
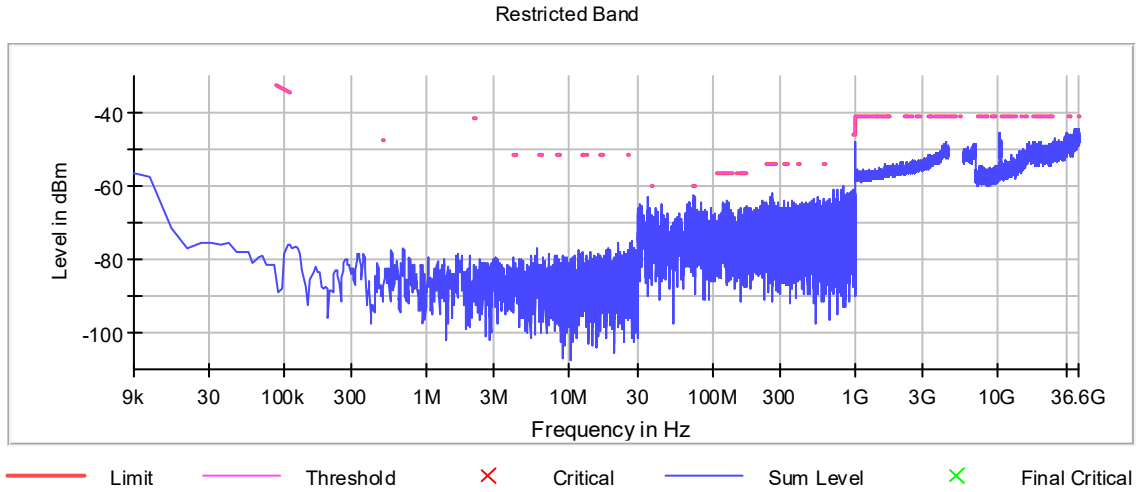
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
1000.000000	-48.0	2.1	-45.9
74.825000	-62.6	2.7	-59.9
74.875000	-63.0	3.1	-59.9
36468.932221	-44.7	3.5	-41.2
36450.332802	-44.7	3.5	-41.2
36452.657729	-44.8	3.6	-41.2
36466.607294	-44.9	3.7	-41.2
36496.250117	-45.1	3.9	-41.2
36436.964470	-45.2	4.0	-41.2
36435.802006	-45.2	4.0	-41.2
36499.156276	-45.3	4.1	-41.2
36492.181494	-45.3	4.1	-41.2
73.275000	-64.0	4.1	-59.9
36454.982657	-45.3	4.1	-41.2
36434.639543	-45.4	4.2	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1



## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

## Emissions in restricted frequency bands (Average) (5240 MHz; \_\_\_\_\_ (20 dBm); 20 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5240.000000	PASS

### Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
1034.750000	-37.1	-46.8	-41.2	5.6	PASS

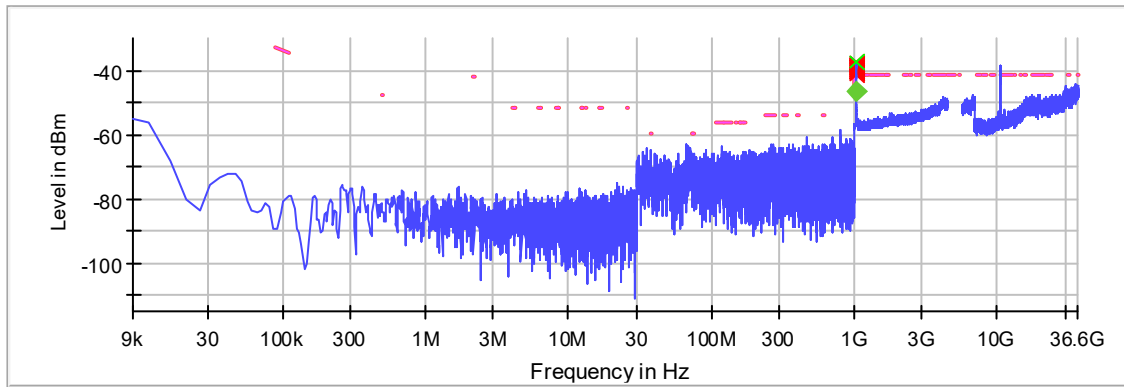
### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
1034.750000	-37.1	-4.1	-41.2
1035.750000	-38.1	-3.1	-41.2
1032.250000	-38.1	-3.1	-41.2
1035.250000	-38.2	-3.0	-41.2
1033.750000	-38.3	-2.9	-41.2
1036.250000	-38.5	-2.7	-41.2
1032.750000	-38.5	-2.7	-41.2
1036.750000	-38.6	-2.6	-41.2
1031.750000	-38.7	-2.5	-41.2
1037.250000	-38.7	-2.5	-41.2
1033.250000	-38.9	-2.3	-41.2
1030.250000	-39.0	-2.2	-41.2
1031.250000	-39.3	-1.9	-41.2
1034.250000	-39.3	-1.9	-41.2
1038.250000	-39.4	-1.8	-41.2

### Measurement Settings

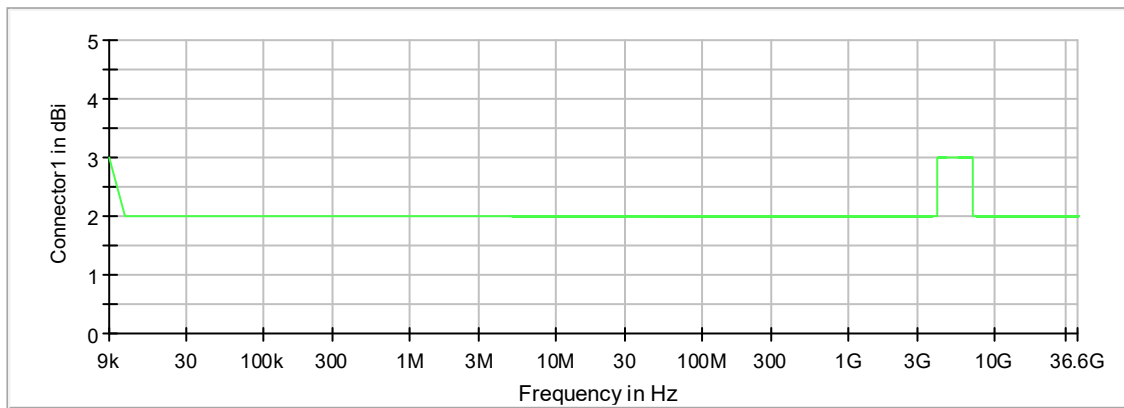
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1

Restricted Band



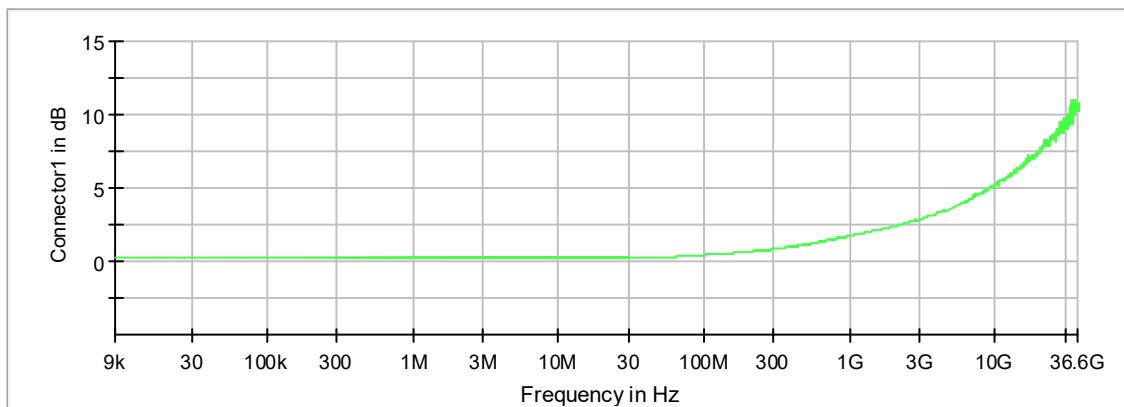
- Limit
- - - Threshold
- X Critical
- Sum Level
- X Final Critical
- ◆ Fail
- ◆ Pass

Gain



- Connector1

Attenuation



- Connector1

## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

## Final Measurement 1

Setting	Instrument Value	Target Value
Span	ZeroSpan	ZeroSpan
RBW	1.000 MHz	~ 1.000 MHz
VBW	30.000 Hz	~ 30.000 Hz
SweepPoints	101	~ 101
SweepTime	1.000 s	1.000 s
Reference Level	5.000 dBm	AUTO
Attenuation	15.000 dB	15.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Emissions in restricted frequency bands (Average) (5175 MHz; \_\_\_\_\_ (20 dBm); 40 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5175.000000	PASS

### Final measurements

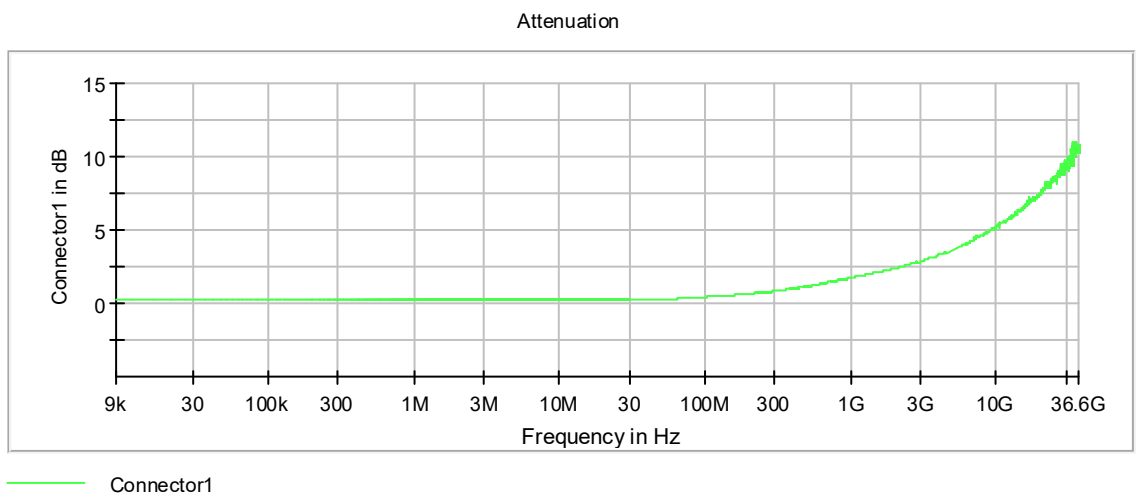
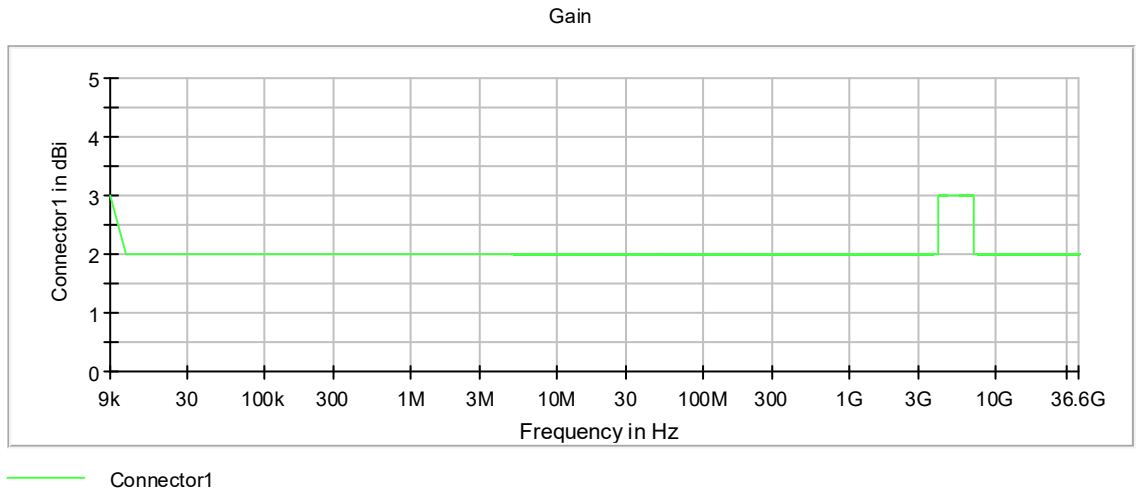
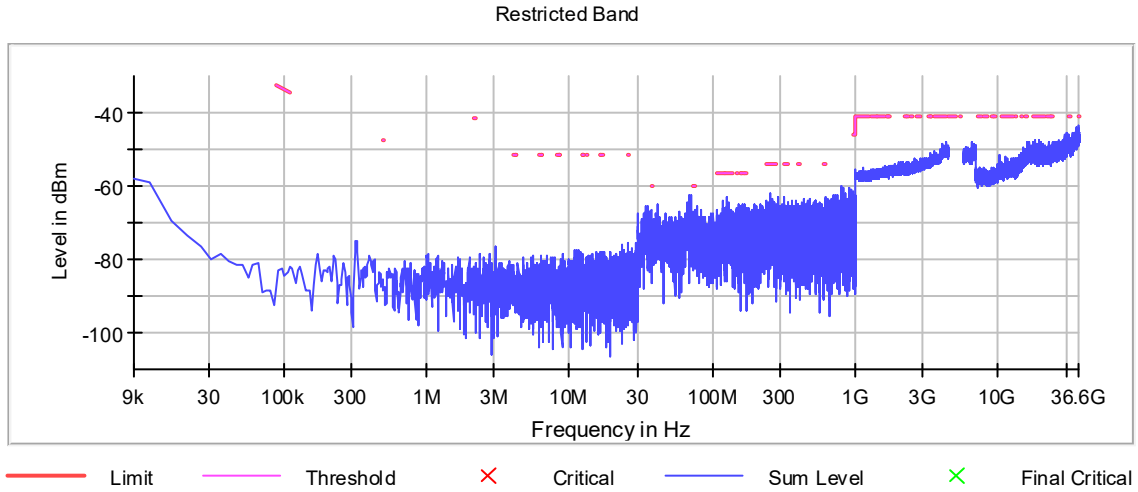
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36456.145120	-43.6	2.4	-41.2
36467.188525	-44.3	3.1	-41.2
36432.895847	-44.4	3.2	-41.2
36486.950408	-44.9	3.7	-41.2
36485.206712	-45.0	3.8	-41.2
36494.506422	-45.1	3.9	-41.2
36470.094685	-45.2	4.0	-41.2
36450.914034	-45.2	4.0	-41.2
36461.376207	-45.2	4.0	-41.2
36495.668885	-45.3	4.1	-41.2
36459.051280	-45.3	4.1	-41.2
36470.675916	-45.3	4.1	-41.2
36487.531640	-45.4	4.2	-41.2
36451.495266	-45.4	4.2	-41.2
36447.426643	-45.5	4.3	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1



## Pre Measurement 1



Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

## Emissions in restricted frequency bands (Average) (5200 MHz; \_\_\_\_\_ (20 dBm); 40 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5200.000000	PASS

### Final measurements

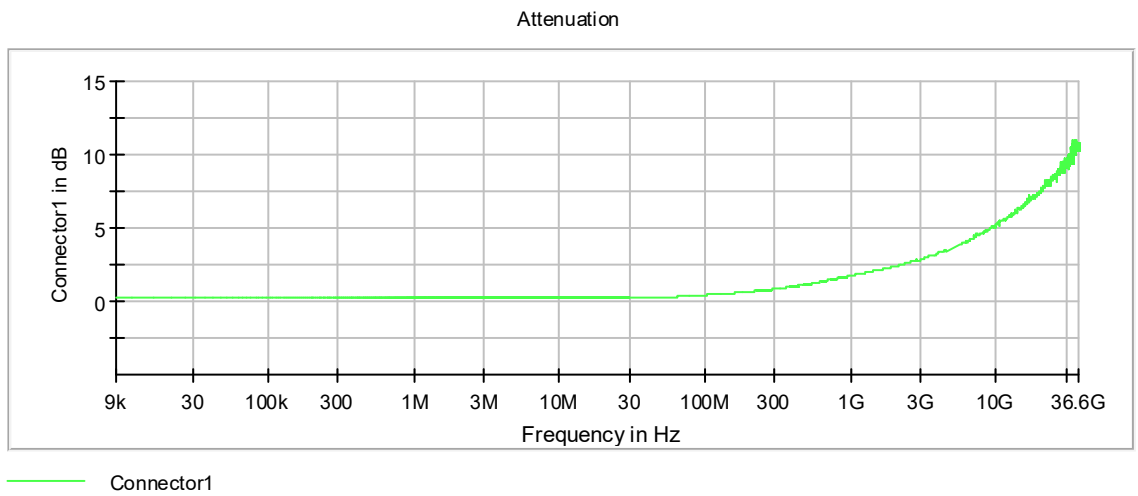
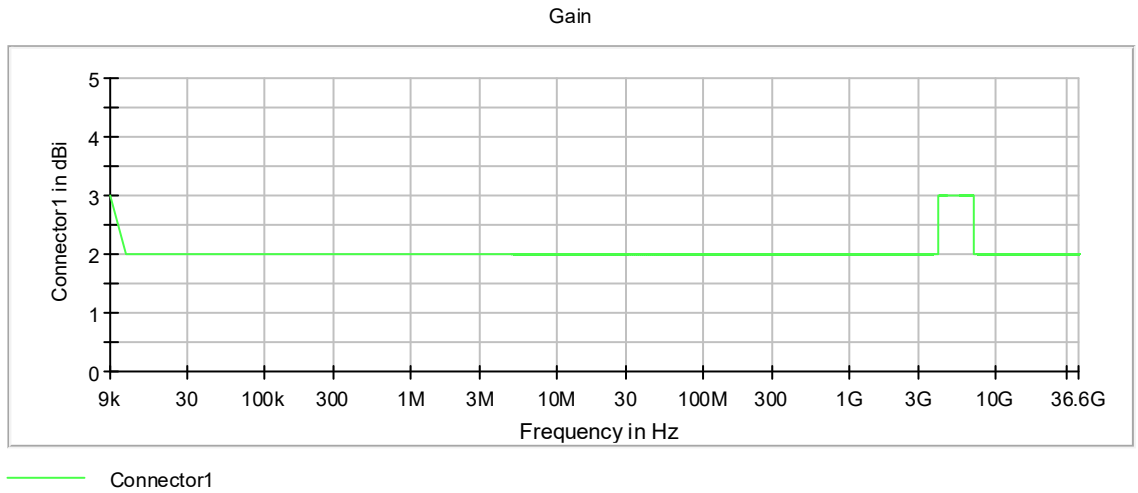
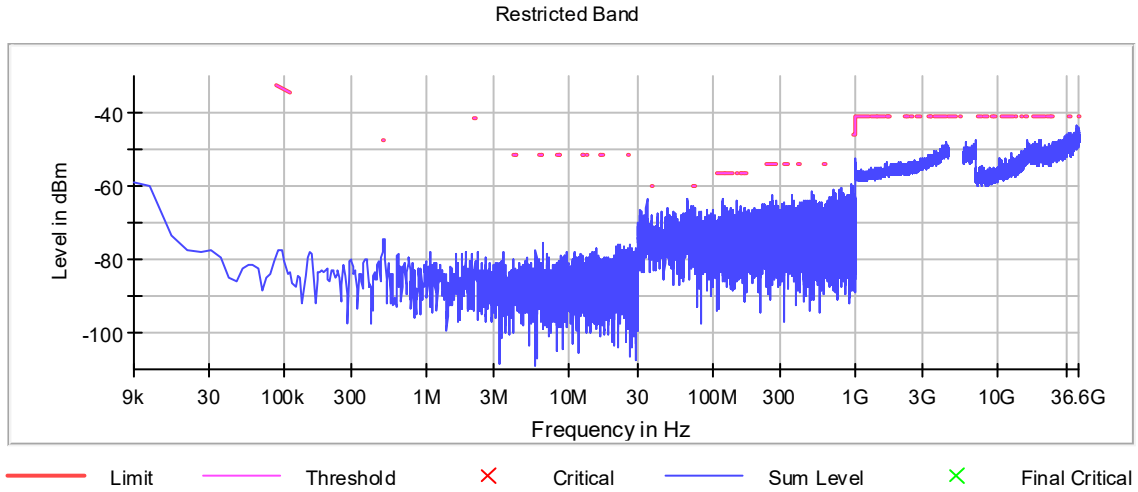
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36476.488235	-44.4	3.2	-41.2
36462.538671	-44.7	3.5	-41.2
36457.307584	-44.8	3.6	-41.2
36475.907003	-44.9	3.7	-41.2
36480.556858	-45.0	3.8	-41.2
36472.419612	-45.1	3.9	-41.2
36471.257148	-45.2	4.0	-41.2
36469.513453	-45.2	4.0	-41.2
36436.964470	-45.2	4.0	-41.2
36452.657729	-45.2	4.0	-41.2
36444.520484	-45.3	4.1	-41.2
36483.463017	-45.4	4.2	-41.2
36441.614325	-45.4	4.2	-41.2
36478.813162	-45.4	4.2	-41.2
31616.808850	-45.5	4.3	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1



## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

## Emissions in restricted frequency bands (Average) (5230 MHz; \_\_\_\_\_ (20 dBm); 40 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5230.000000	PASS

### Final measurements

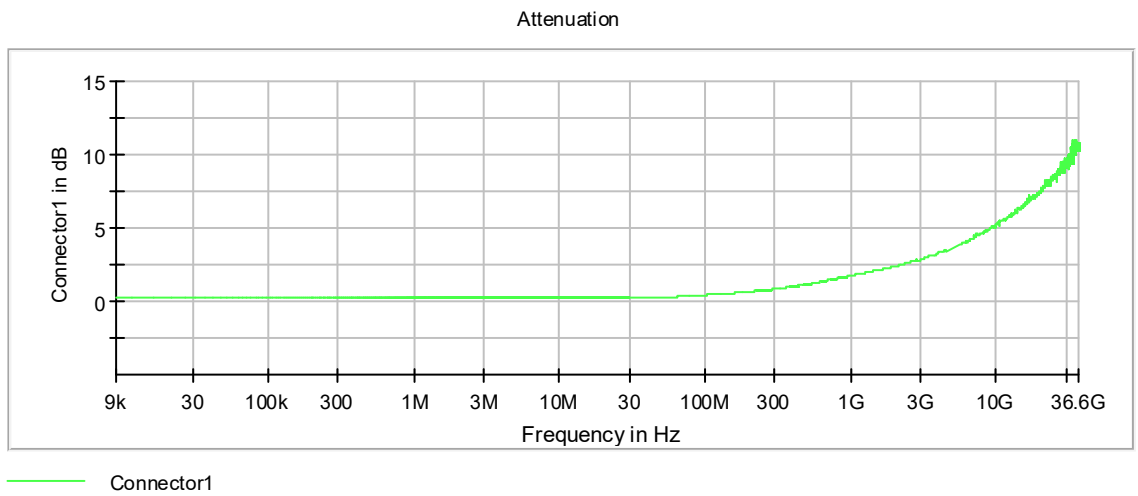
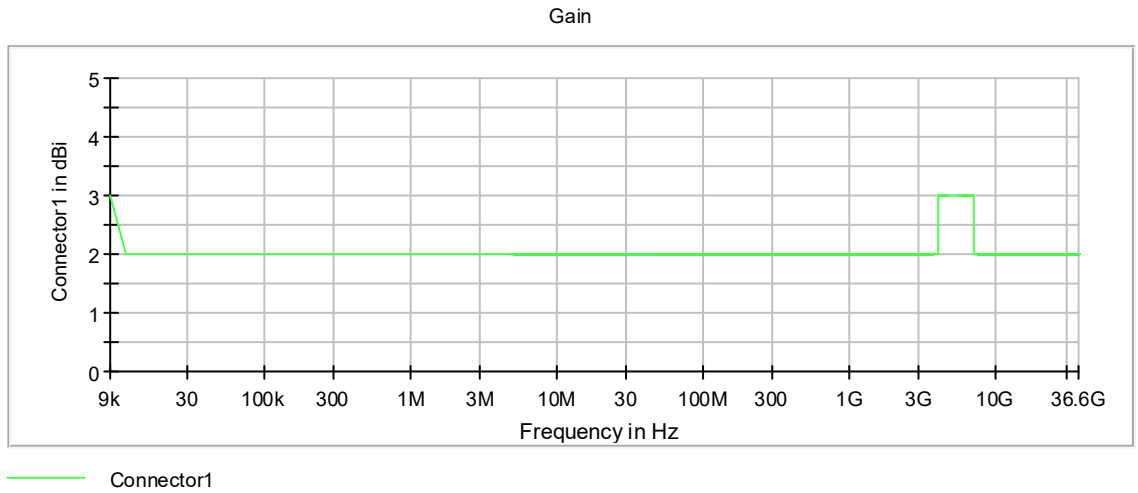
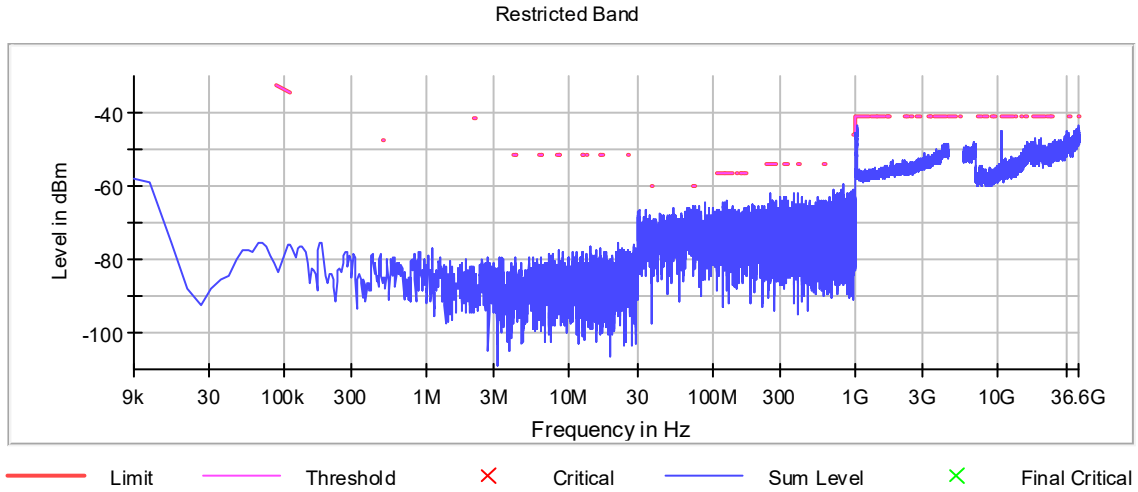
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
1019.250000	-43.4	2.2	-41.2
1024.250000	-44.0	2.8	-41.2
36466.607294	-44.0	2.8	-41.2
36453.820193	-44.1	2.9	-41.2
36499.737508	-44.6	3.4	-41.2
1027.750000	-44.6	3.4	-41.2
1023.250000	-44.6	3.4	-41.2
36486.950408	-44.7	3.5	-41.2
36495.087654	-44.7	3.5	-41.2
1021.250000	-44.7	3.5	-41.2
36493.343958	-44.8	3.6	-41.2
1028.750000	-45.1	3.9	-41.2
1025.250000	-45.1	3.9	-41.2
1025.750000	-45.1	3.9	-41.2
36467.188525	-45.1	3.9	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1



## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

## Emissions in restricted frequency bands (Average) (5170 MHz; \_\_\_\_\_ (20 dBm); 30 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5170.000000	PASS

### Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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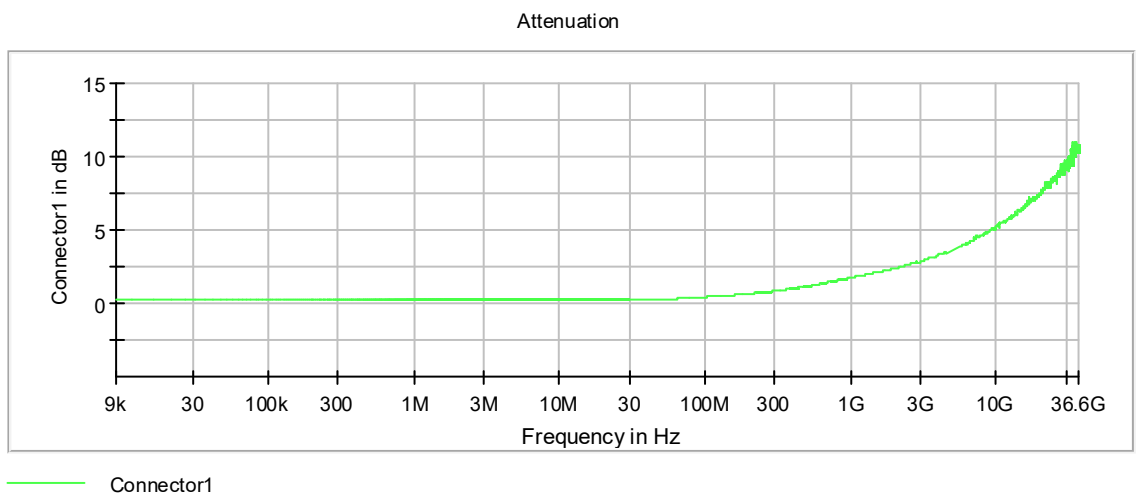
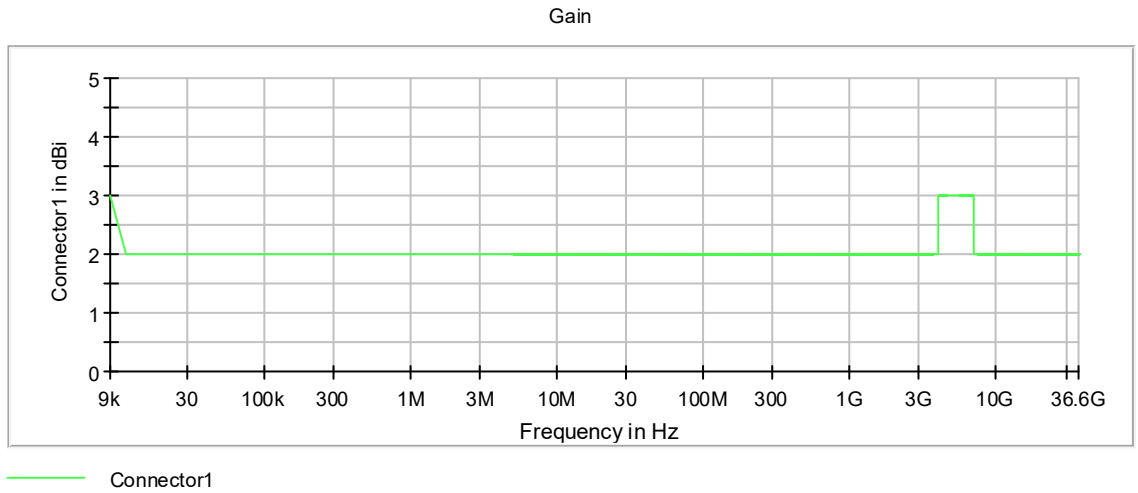
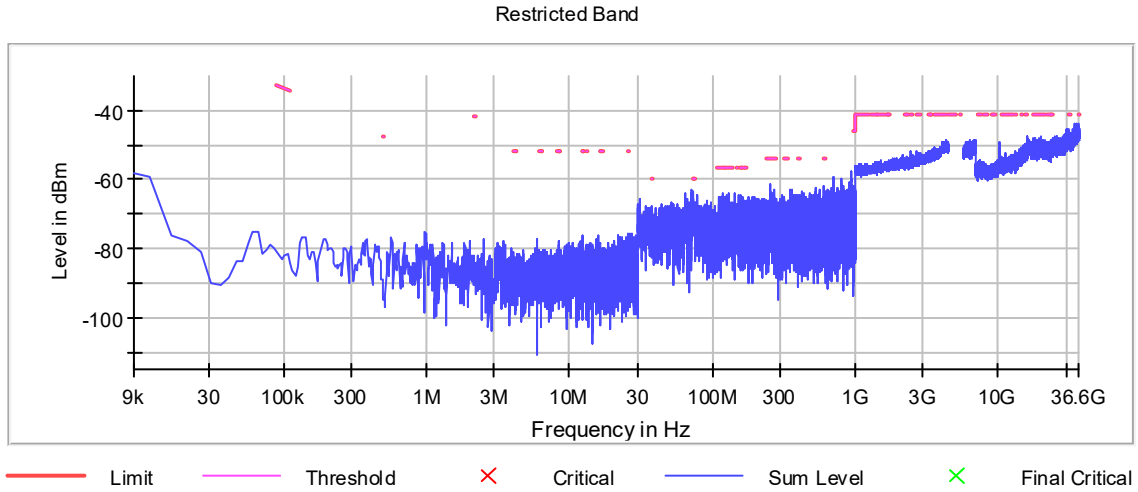
### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36497.412581	-44.7	3.5	-41.2
36473.000844	-45.0	3.8	-41.2
36464.863598	-45.2	4.0	-41.2
36485.206712	-45.2	4.0	-41.2
36449.170338	-45.3	4.1	-41.2
36460.213743	-45.3	4.1	-41.2
36481.138089	-45.3	4.1	-41.2
36456.726352	-45.3	4.1	-41.2
36455.563889	-45.4	4.2	-41.2
36438.708165	-45.4	4.2	-41.2
36474.744539	-45.4	4.2	-41.2
36467.188525	-45.4	4.2	-41.2
36499.156276	-45.4	4.2	-41.2
36493.343958	-45.4	4.2	-41.2
36496.831349	-45.4	4.2	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1





## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

## Emissions in restricted frequency bands (Average) (5200 MHz; \_\_\_\_\_ (20 dBm); 30 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5200.000000	PASS

### Final measurements

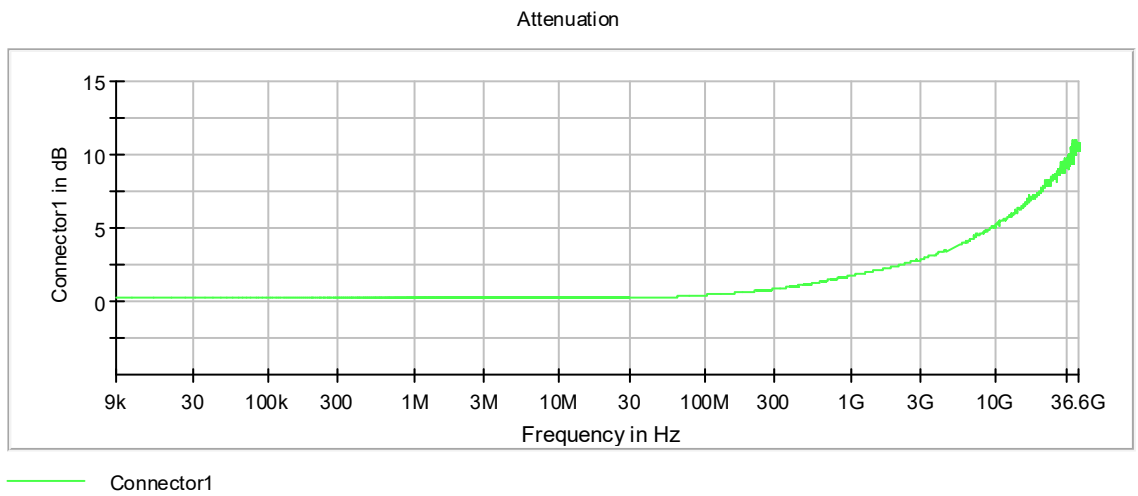
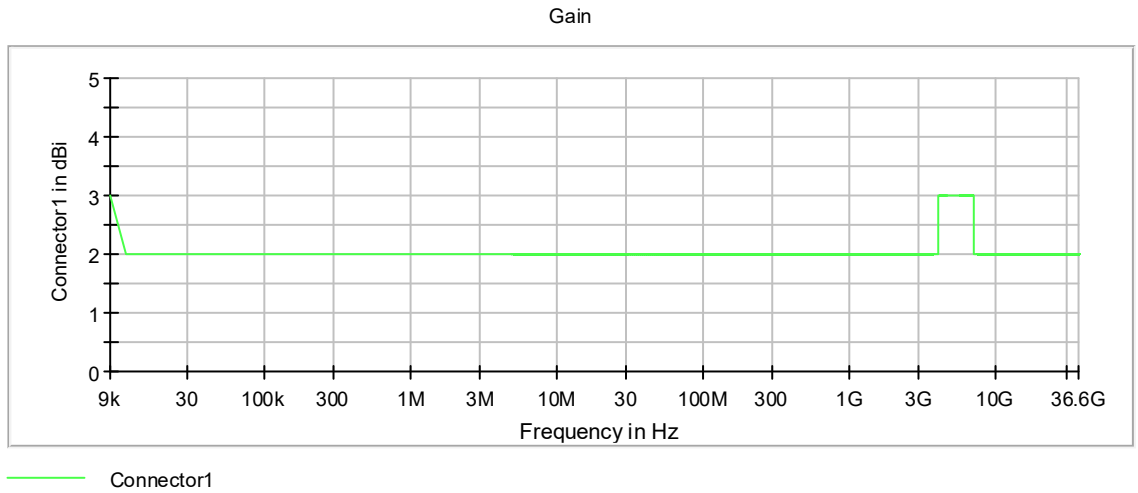
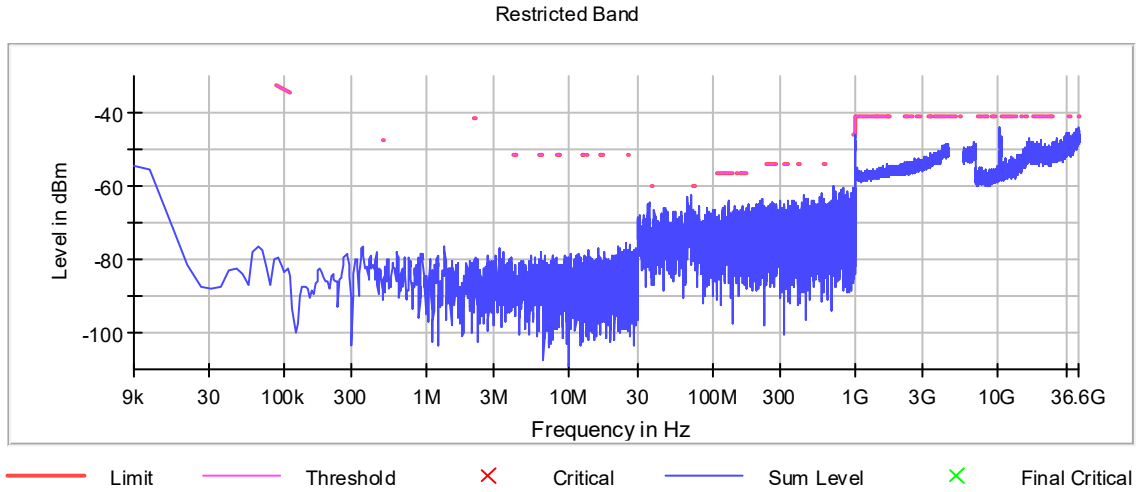
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
1000.000000	-46.7	0.8	-45.9
36445.101716	-44.4	3.2	-41.2
36470.675916	-44.7	3.5	-41.2
36477.650698	-44.8	3.6	-41.2
36482.300553	-44.9	3.7	-41.2
36457.888816	-45.0	3.8	-41.2
36481.719321	-45.0	3.8	-41.2
36488.694103	-45.0	3.8	-41.2
36485.787944	-45.1	3.9	-41.2
36485.206712	-45.2	4.0	-41.2
36459.632511	-45.2	4.0	-41.2
36460.794975	-45.2	4.0	-41.2
36475.325771	-45.3	4.1	-41.2
36455.563889	-45.3	4.1	-41.2
36490.437799	-45.3	4.1	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1



## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

## Emissions in restricted frequency bands (Average) (5235 MHz; \_\_\_\_\_ (20 dBm); 30 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5235.000000	PASS

### Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
1029.750000	-39.4	-49.3	-41.2	8.1	PASS

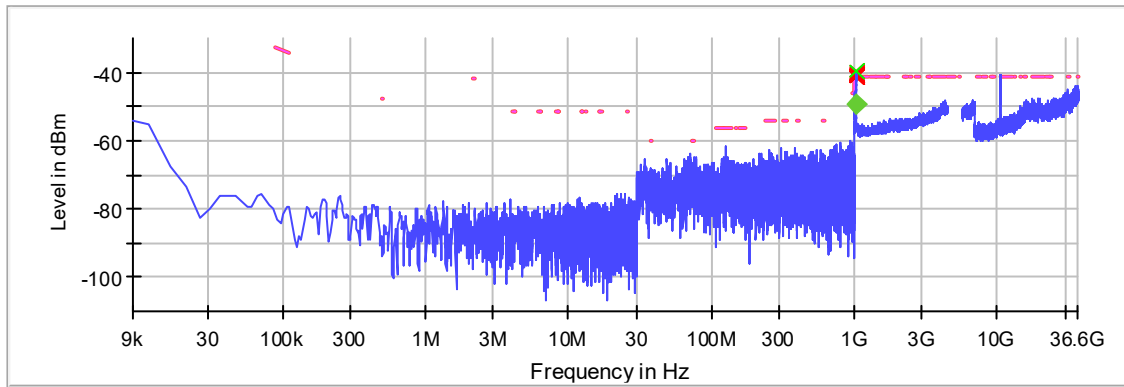
### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
1029.750000	-39.4	-1.8	-41.2
1030.250000	-40.3	-0.9	-41.2
1025.750000	-40.5	-0.7	-41.2
1027.250000	-40.5	-0.7	-41.2
1032.750000	-40.6	-0.6	-41.2
1026.250000	-40.7	-0.5	-41.2
1027.750000	-40.7	-0.5	-41.2
1025.250000	-40.8	-0.4	-41.2
1028.750000	-41.0	-0.2	-41.2
1030.750000	-41.1	-0.1	-41.2
1032.250000	-41.1	-0.1	-41.2
1024.750000	-41.1	-0.1	-41.2
1034.750000	-41.1	-0.1	-41.2
1026.750000	-41.2	0.0	-41.2
1031.750000	-41.2	0.0	-41.2

### Measurement Settings

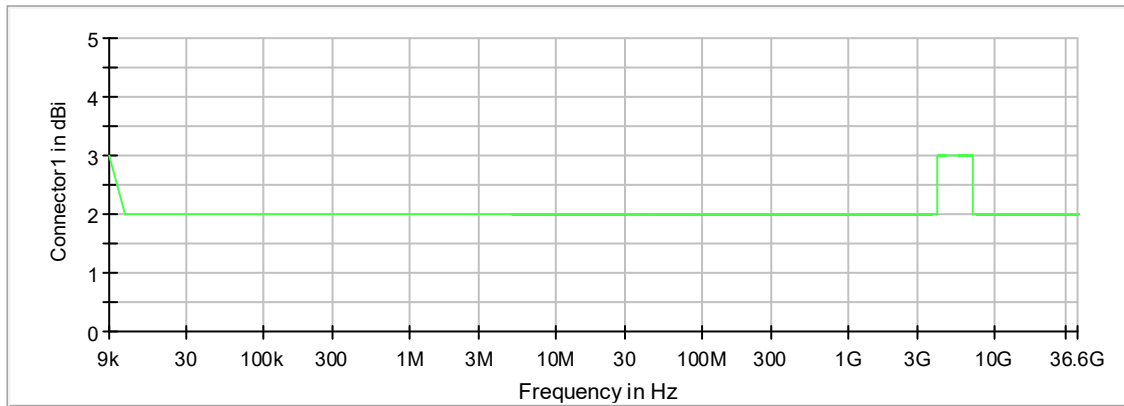
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1

Restricted Band



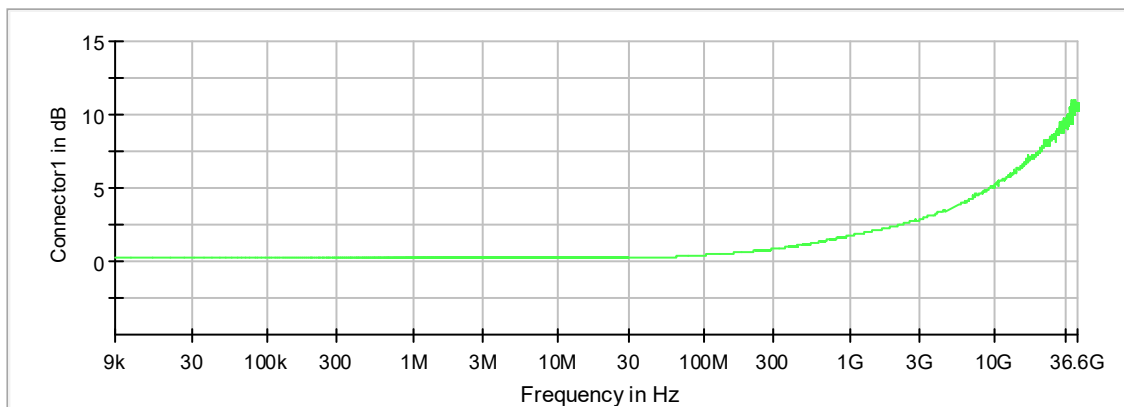
- Limit
- - - Threshold
- x Final Critical
- Sum Level
- ◆ Critical Pass

Gain



- Connector1

Attenuation



- Connector1

## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

## Final Measurement 1

Setting	Instrument Value	Target Value
Span	ZeroSpan	ZeroSpan
RBW	1.000 MHz	~ 1.000 MHz
VBW	30.000 Hz	~ 30.000 Hz
SweepPoints	101	~ 101
SweepTime	1.000 s	1.000 s
Reference Level	5.000 dBm	AUTO
Attenuation	15.000 dB	15.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off



## Emissions in restricted frequency bands (Average) (5180 MHz; \_\_\_\_\_ (20 dBm); 50 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5180.000000	PASS

### Final measurements

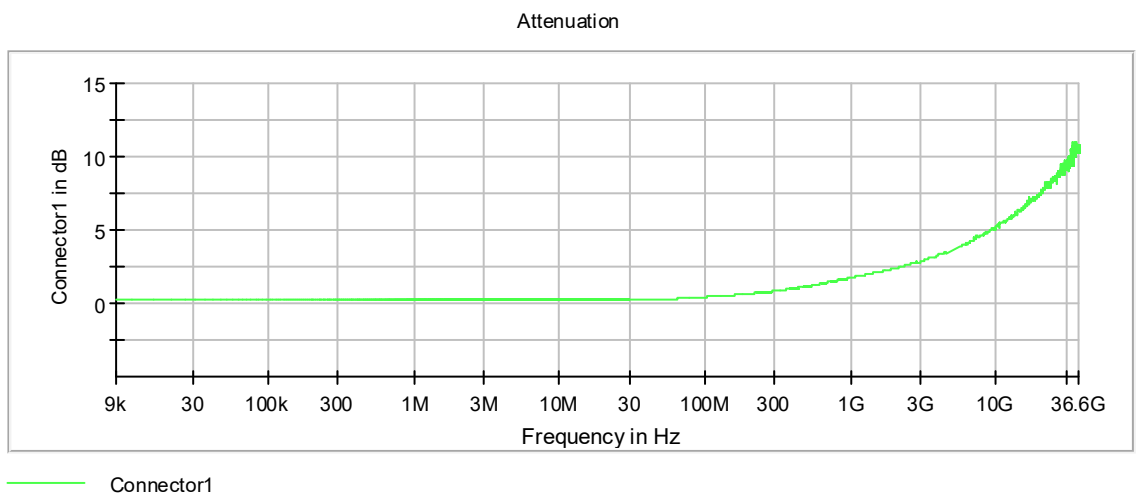
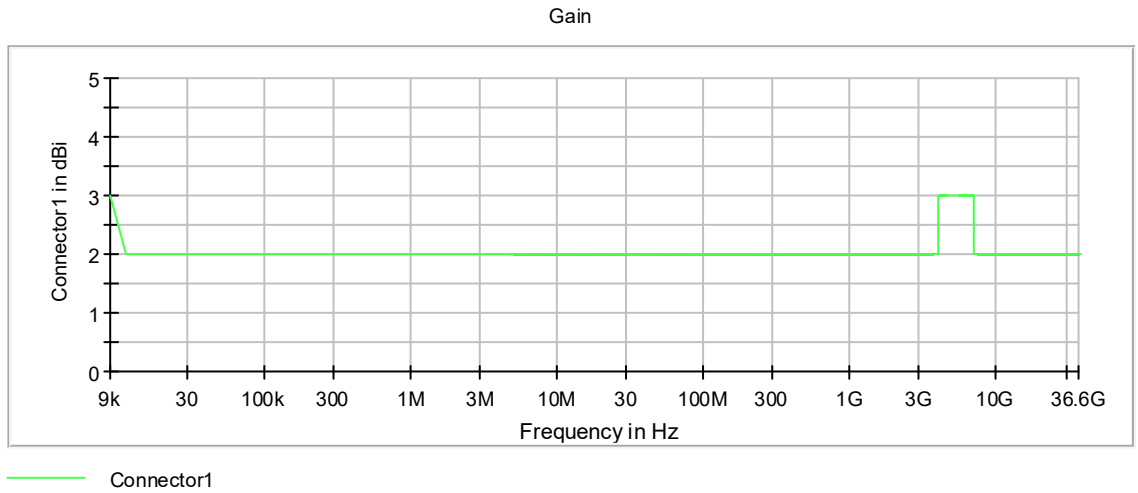
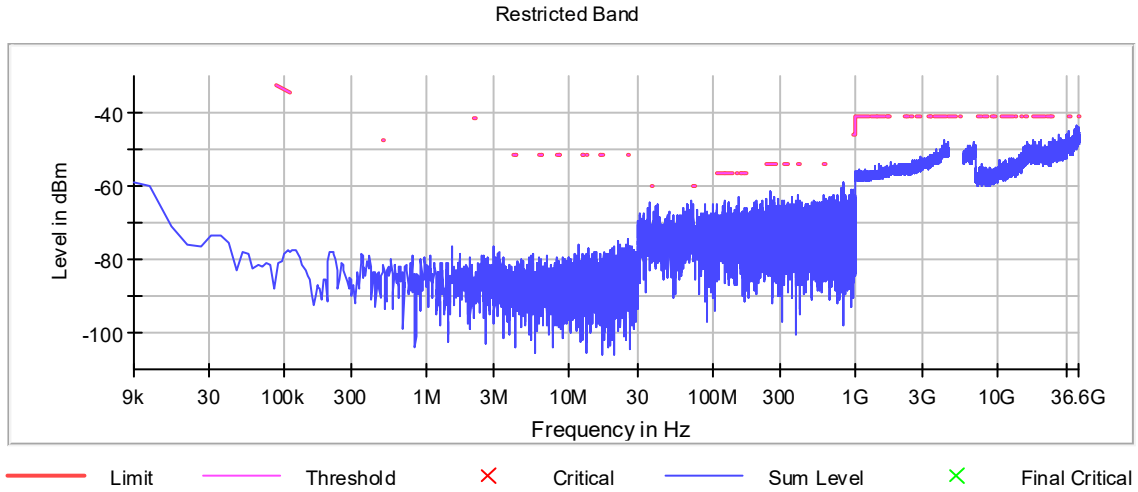
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36449.170338	-44.0	2.8	-41.2
36445.682947	-44.2	3.0	-41.2
36493.925190	-44.2	3.0	-41.2
36459.051280	-44.4	3.2	-41.2
36499.156276	-44.9	3.7	-41.2
36481.138089	-45.0	3.8	-41.2
36456.145120	-45.0	3.8	-41.2
36495.668885	-45.1	3.9	-41.2
31623.202400	-45.2	4.0	-41.2
36453.820193	-45.2	4.0	-41.2
36471.838380	-45.3	4.1	-41.2
36465.444830	-45.3	4.1	-41.2
36445.101716	-45.3	4.1	-41.2
36475.907003	-45.4	4.2	-41.2
36456.726352	-45.4	4.2	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1



## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

## Emissions in restricted frequency bands (Average) (5200 MHz; \_\_\_\_\_ (20 dBm); 50 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5200.000000	PASS

### Final measurements

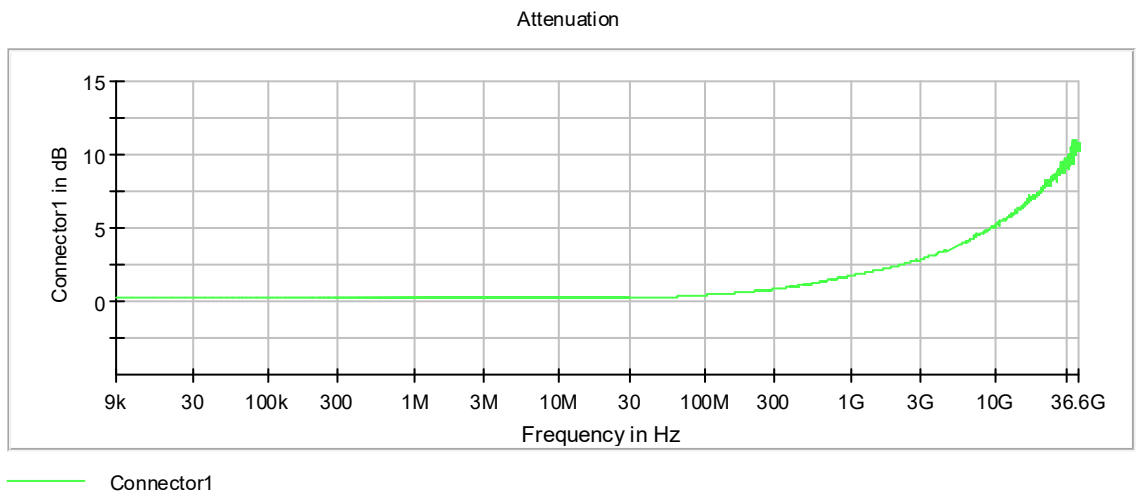
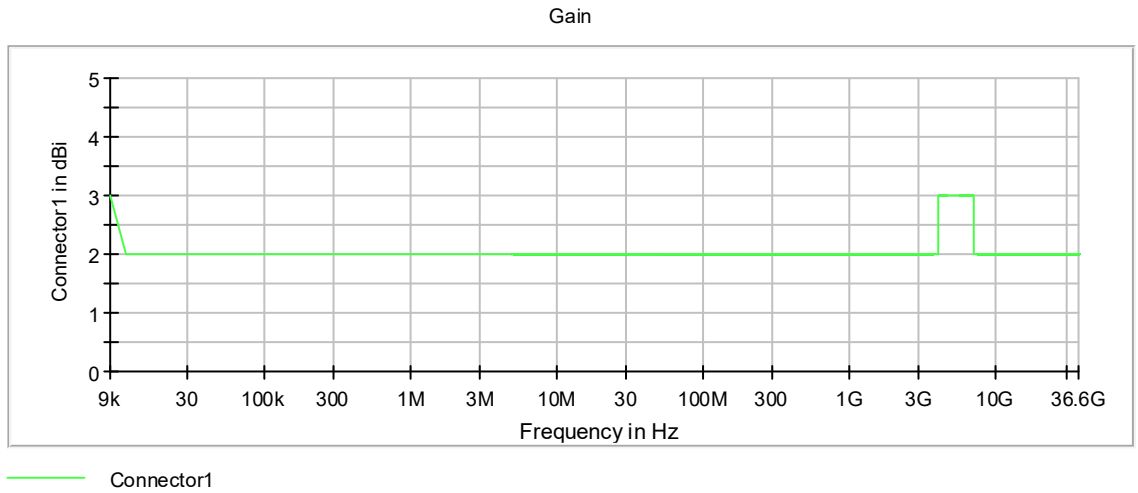
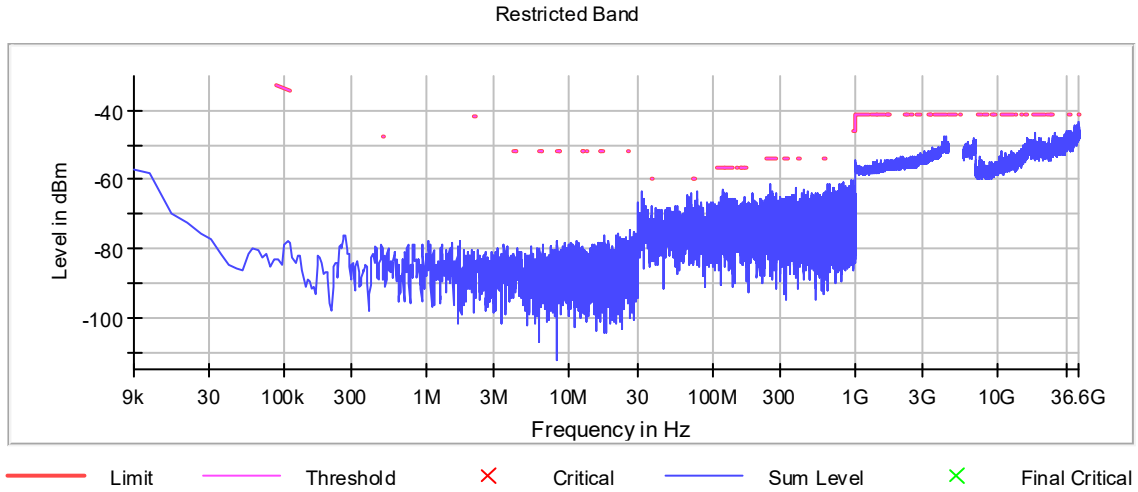
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36482.881785	-44.4	3.2	-41.2
36431.152151	-44.5	3.3	-41.2
36457.888816	-44.7	3.5	-41.2
36458.470048	-44.9	3.7	-41.2
36477.650698	-45.0	3.8	-41.2
36461.376207	-45.1	3.9	-41.2
36448.589107	-45.1	3.9	-41.2
36478.813162	-45.1	3.9	-41.2
36450.332802	-45.2	4.0	-41.2
36461.957439	-45.3	4.1	-41.2
36436.383238	-45.3	4.1	-41.2
36438.126934	-45.3	4.1	-41.2
36479.975626	-45.4	4.2	-41.2
36484.044249	-45.4	4.2	-41.2
36442.195556	-45.5	4.3	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1



## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

## Emissions in restricted frequency bands (Average) (5225 MHz; \_\_\_\_\_ (20 dBm); 50 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5225.000000	PASS

### Final measurements

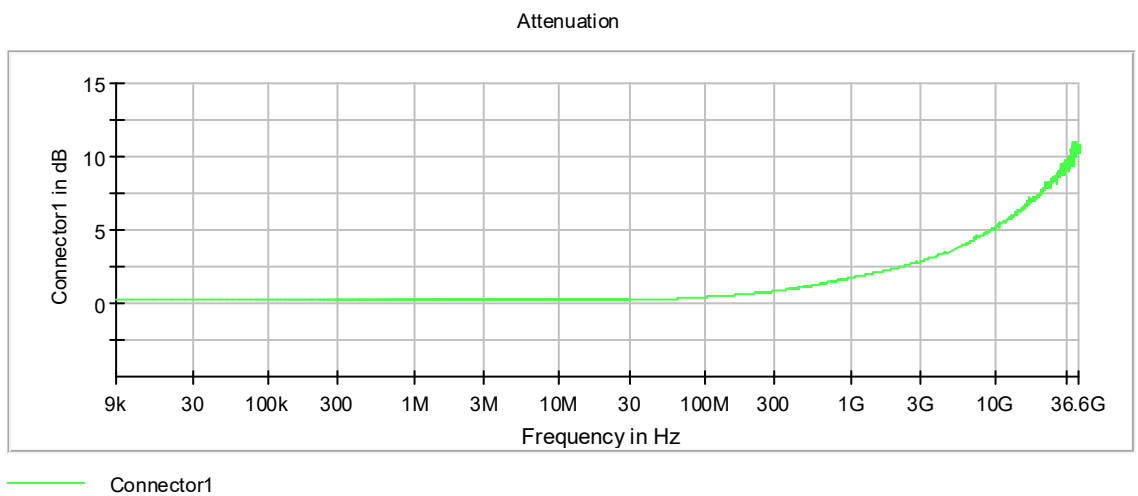
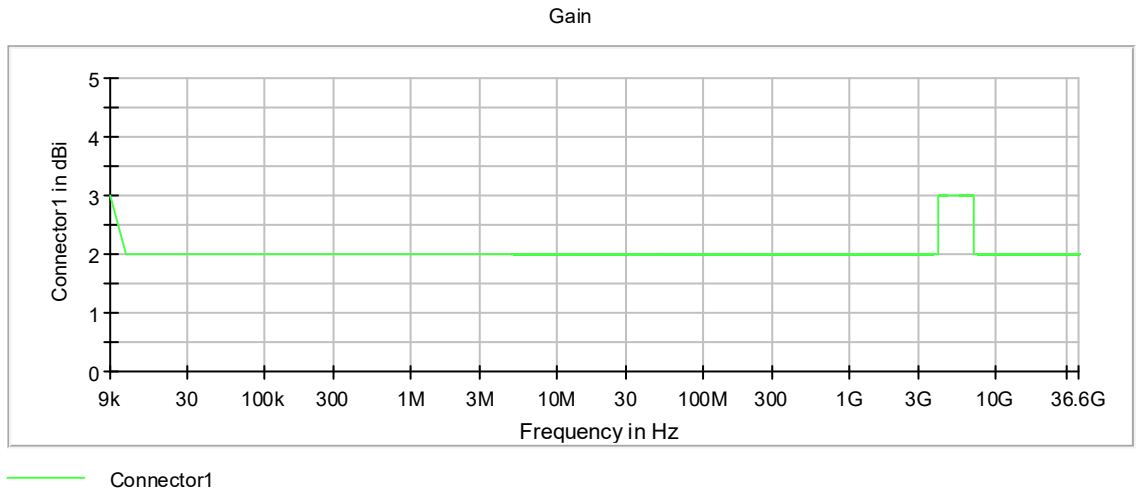
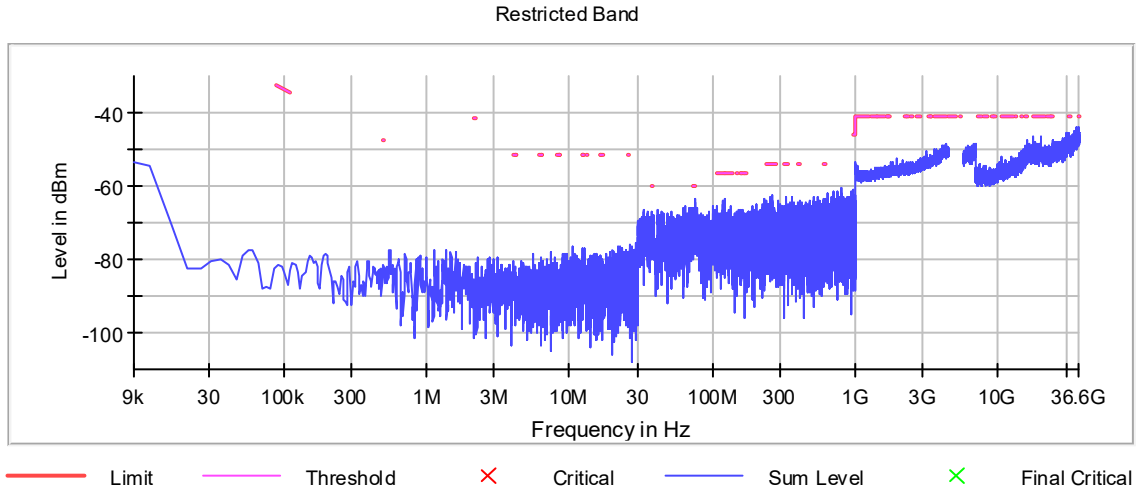
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36477.069467	-44.1	2.9	-41.2
36481.719321	-44.5	3.3	-41.2
36489.856567	-44.7	3.5	-41.2
36493.925190	-44.8	3.6	-41.2
36471.257148	-44.8	3.6	-41.2
36458.470048	-44.9	3.7	-41.2
36468.932221	-44.9	3.7	-41.2
36477.650698	-45.0	3.8	-41.2
36455.563889	-45.0	3.8	-41.2
36452.657729	-45.2	4.0	-41.2
36482.881785	-45.2	4.0	-41.2
36499.737508	-45.3	4.1	-41.2
36479.394394	-45.3	4.1	-41.2
36445.682947	-45.3	4.1	-41.2
36448.589107	-45.3	4.1	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1



## Pre Measurement 1



Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

## Emissions in restricted frequency bands (Average)(2) (5200 MHz; \_\_\_\_\_ (20 dBm); 10 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5200.000000	PASS

### Final measurements

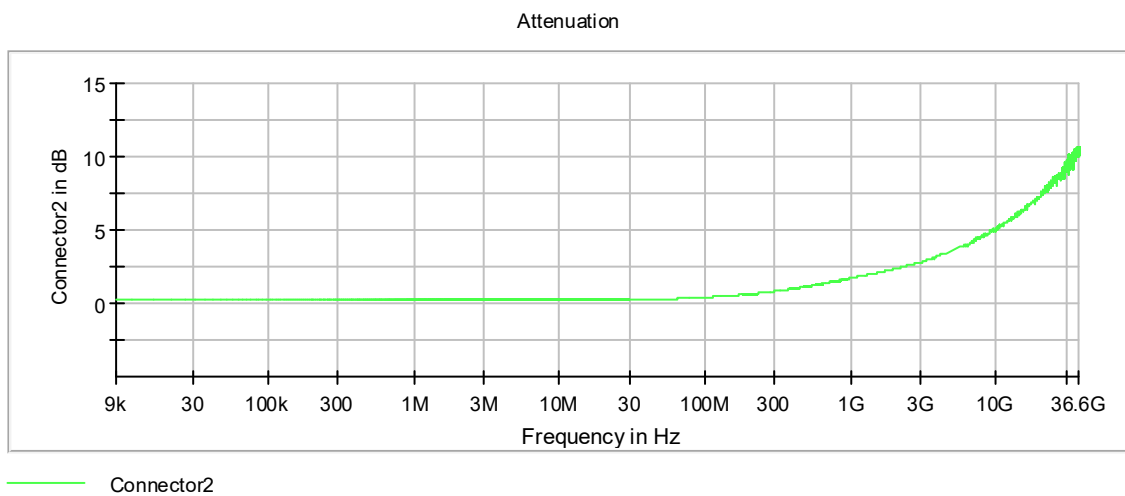
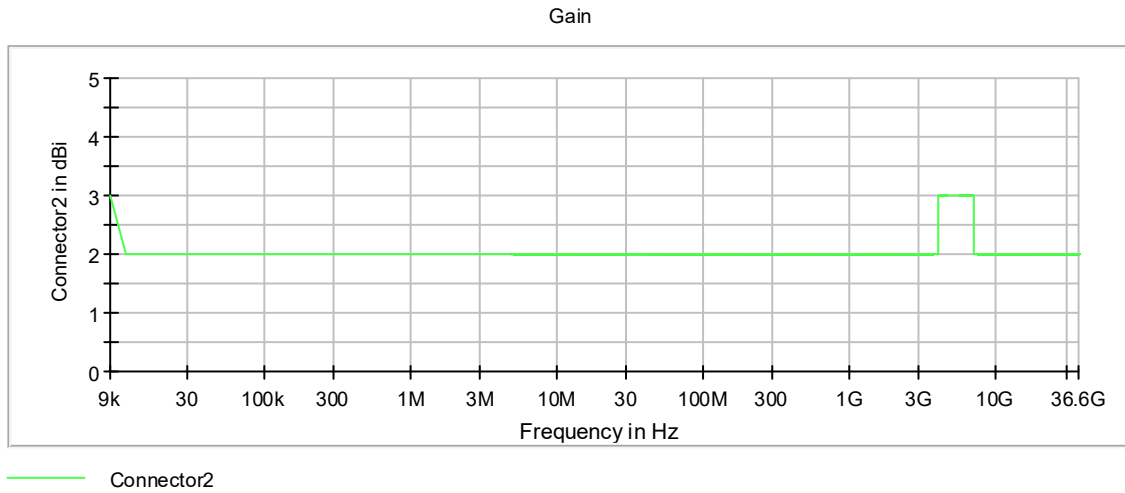
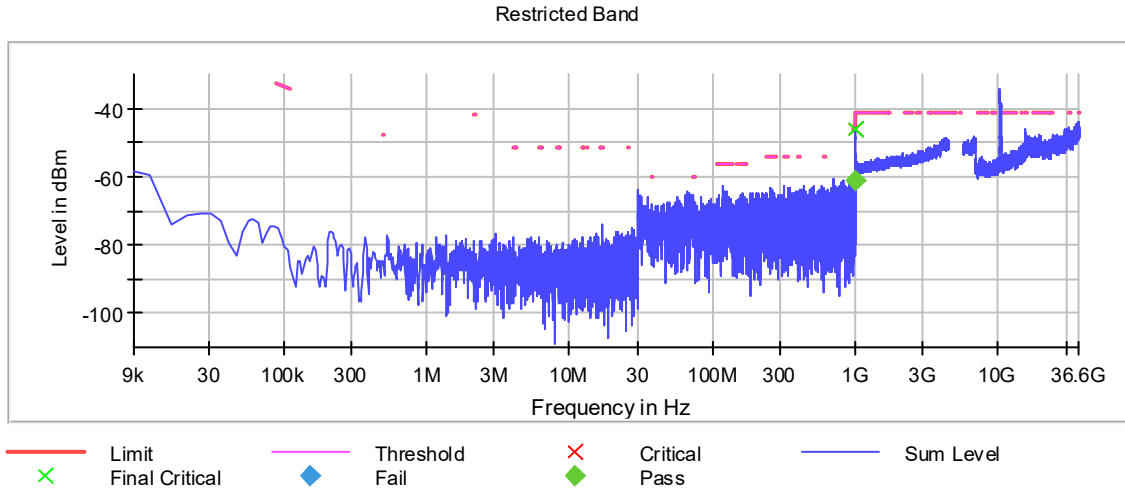
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
1000.000000	-45.9	-61.2	-45.9	15.3	PASS

### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
1000.000000	-45.9	0.0	-45.9
36474.744539	-44.0	2.8	-41.2
36461.957439	-44.8	3.6	-41.2
36493.925190	-44.9	3.7	-41.2
36467.769757	-45.1	3.9	-41.2
36456.145120	-45.2	4.0	-41.2
36460.213743	-45.4	4.2	-41.2
36484.044249	-45.4	4.2	-41.2
36484.625480	-45.4	4.2	-41.2
36431.733383	-45.4	4.2	-41.2
36447.426643	-45.4	4.2	-41.2
36430.570920	-45.4	4.2	-41.2
36448.589107	-45.5	4.3	-41.2
36452.076498	-45.6	4.4	-41.2
36479.975626	-45.6	4.4	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1



## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

## Final Measurement 2

Setting	Instrument Value	Target Value
Span	ZeroSpan	ZeroSpan
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	101	~ 101
SweepTime	1.000 s	1.000 s
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	QuasiPeak	QuasiPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Emissions in restricted frequency bands (Average)(2) (5245 MHz; \_\_\_\_\_ (20 dBm); 10 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5245.000000	PASS

### Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
1039.750000	-33.8	-43.1	-41.2	1.9	PASS

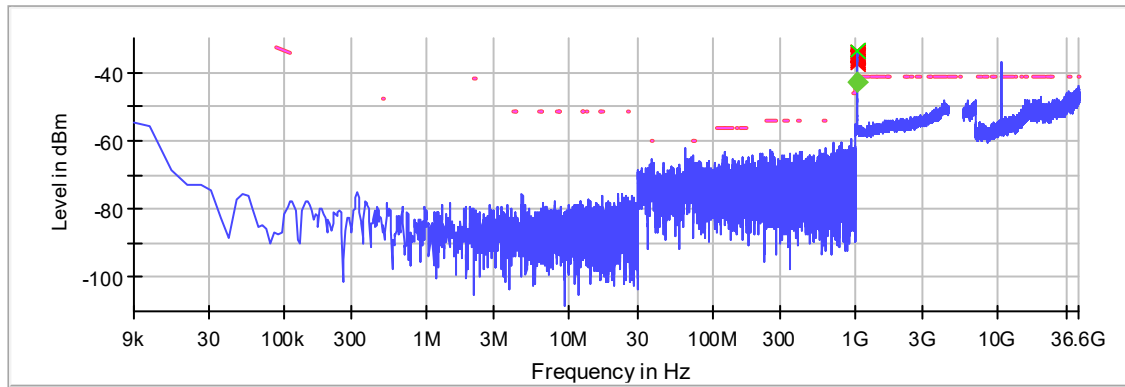
### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
1039.750000	-33.8	-7.4	-41.2
1039.250000	-34.0	-7.2	-41.2
1043.250000	-34.4	-6.8	-41.2
1042.750000	-34.6	-6.6	-41.2
1041.750000	-34.7	-6.5	-41.2
1040.250000	-35.2	-6.0	-41.2
1038.750000	-35.2	-6.0	-41.2
1040.750000	-35.3	-5.9	-41.2
1038.250000	-35.3	-5.9	-41.2
1041.250000	-35.3	-5.9	-41.2
1042.250000	-35.4	-5.8	-41.2
1037.750000	-35.5	-5.7	-41.2
1037.250000	-35.6	-5.6	-41.2
1036.250000	-35.9	-5.3	-41.2
1043.750000	-36.6	-4.6	-41.2

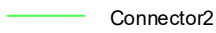
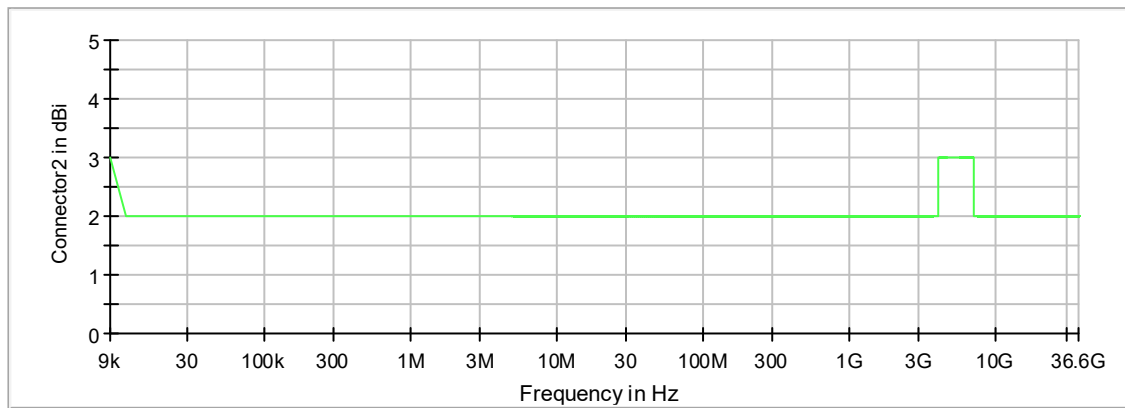
### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1

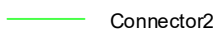
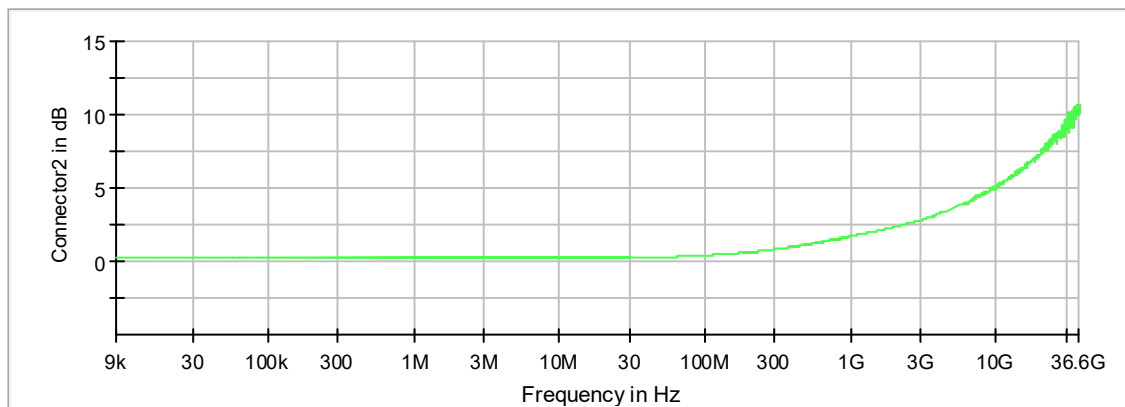
Restricted Band



Gain



Attenuation



## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

## Final Measurement 1

Setting	Instrument Value	Target Value
Span	ZeroSpan	ZeroSpan
RBW	1.000 MHz	~ 1.000 MHz
VBW	30.000 Hz	~ 30.000 Hz
SweepPoints	101	~ 101
SweepTime	1.000 s	1.000 s
Reference Level	5.000 dBm	AUTO
Attenuation	15.000 dB	15.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Emissions in restricted frequency bands (Average)(2) (5165 MHz; \_\_\_\_\_ (20 dBm); 20 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5165.000000	PASS

### Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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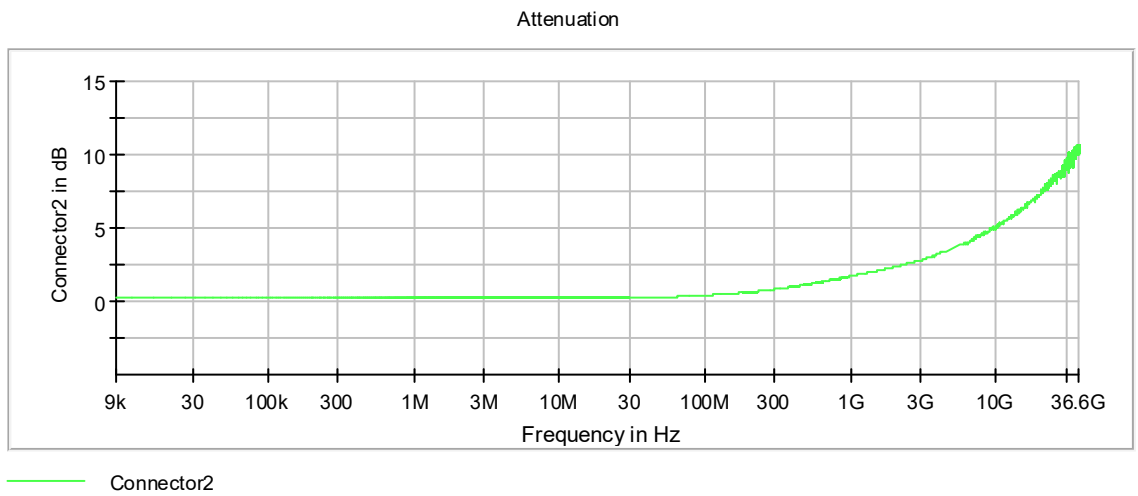
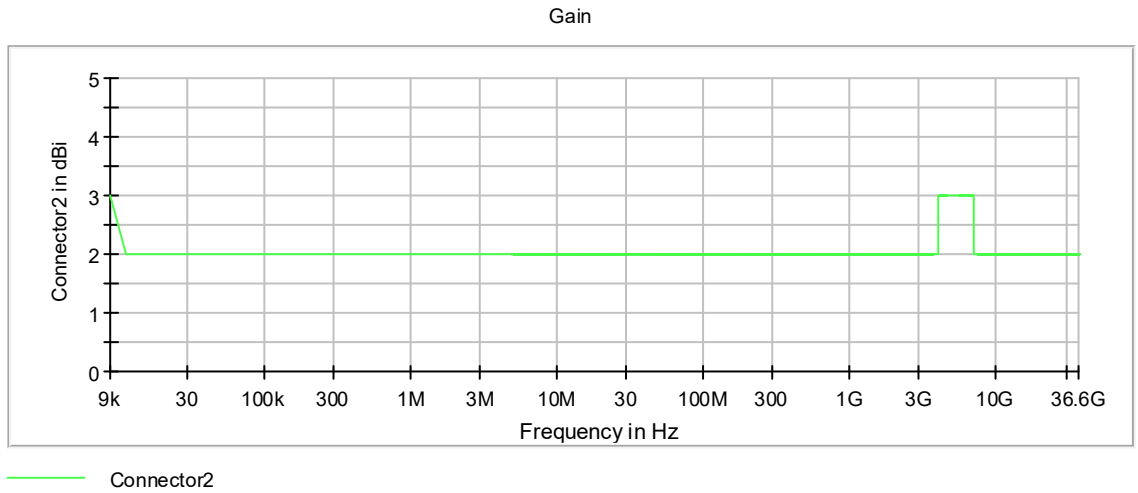
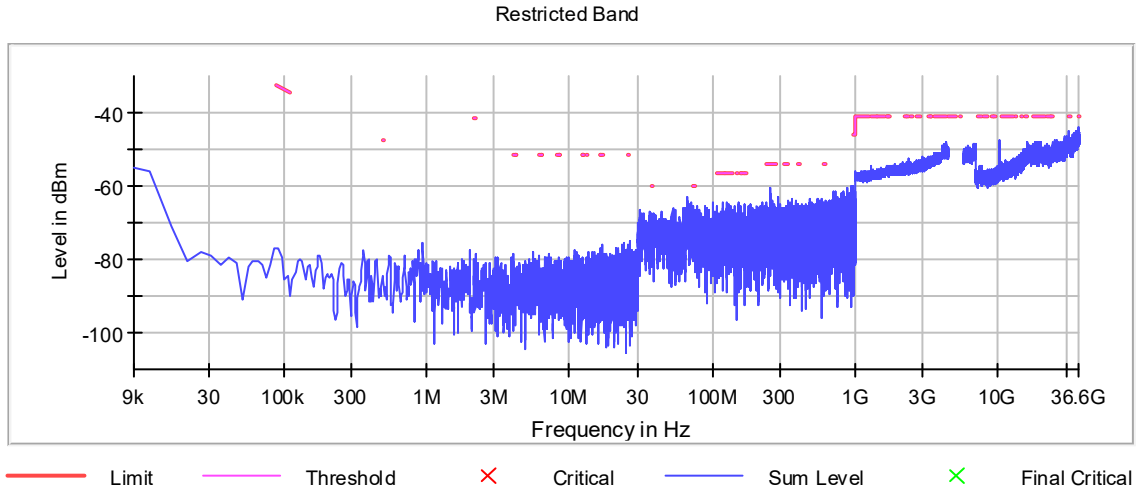
### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36482.300553	-44.1	2.9	-41.2
36485.787944	-44.2	3.0	-41.2
36434.058311	-44.6	3.4	-41.2
36440.451861	-45.1	3.9	-41.2
36478.231930	-45.1	3.9	-41.2
36431.733383	-45.2	4.0	-41.2
31610.415300	-45.2	4.0	-41.2
36439.289397	-45.2	4.0	-41.2
36471.838380	-45.3	4.1	-41.2
36479.394394	-45.3	4.1	-41.2
36432.314615	-45.3	4.1	-41.2
36487.531640	-45.4	4.2	-41.2
36483.463017	-45.4	4.2	-41.2
36443.358020	-45.5	4.3	-41.2
36493.343958	-45.5	4.3	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1





## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

## Emissions in restricted frequency bands (Average)(2) (5200 MHz; \_\_\_\_\_ (20 dBm); 20 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5200.000000	PASS

### Final measurements

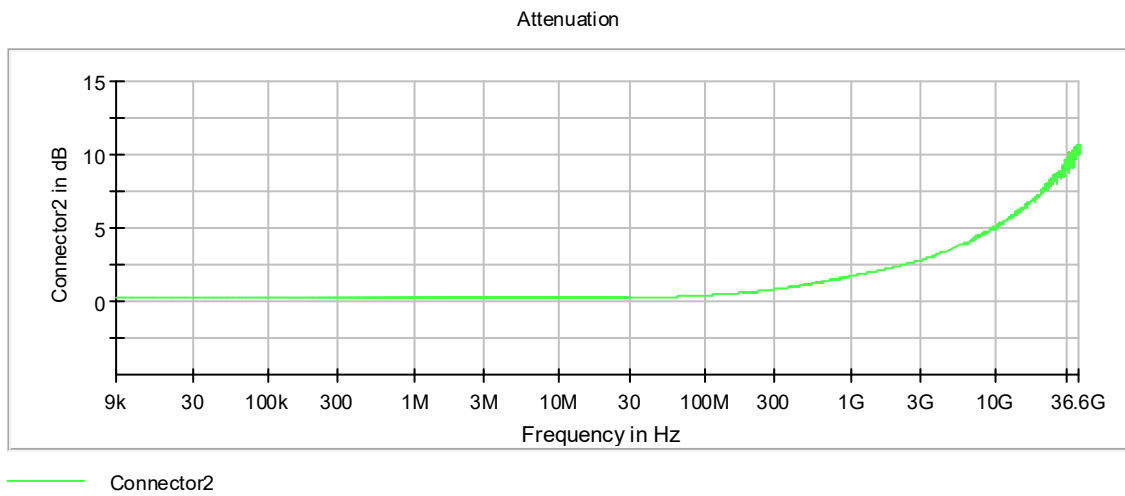
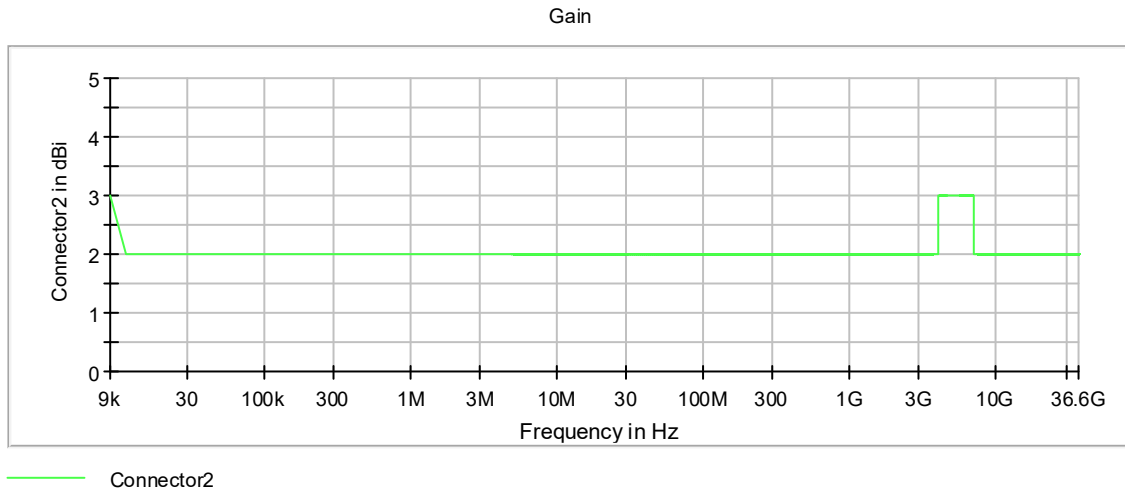
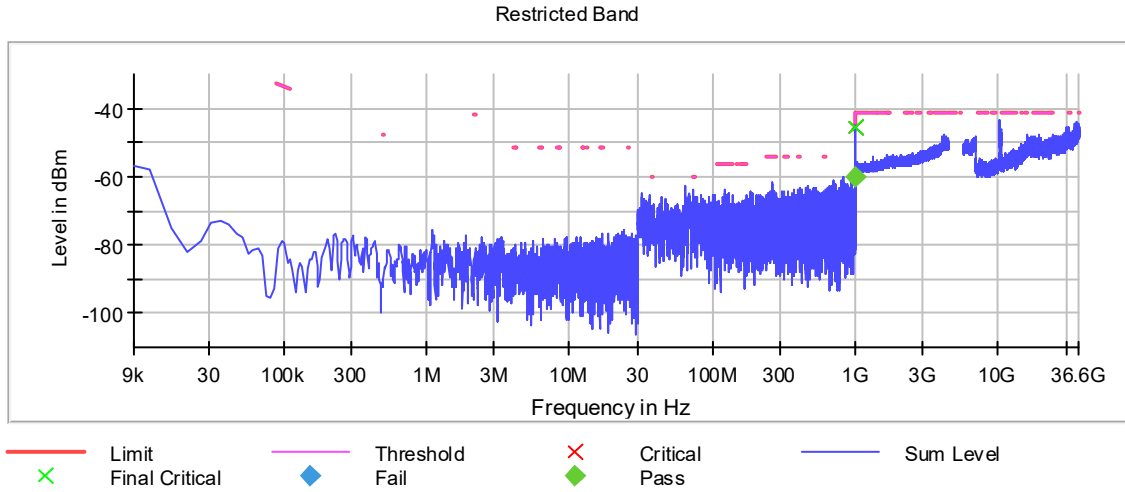
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
1000.000000	-45.8	-60.3	-45.9	14.4	PASS

### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
1000.000000	-45.8	-0.1	-45.9
36463.119903	-44.8	3.6	-41.2
36445.101716	-44.9	3.7	-41.2
36487.531640	-45.1	3.9	-41.2
36446.845411	-45.1	3.9	-41.2
1001.750000	-45.2	4.0	-41.2
36490.437799	-45.3	4.1	-41.2
74.375000	-64.1	4.2	-59.9
36484.044249	-45.4	4.2	-41.2
36493.343958	-45.5	4.3	-41.2
36495.668885	-45.5	4.3	-41.2
36482.300553	-45.6	4.4	-41.2
36447.426643	-45.6	4.4	-41.2
36485.206712	-45.6	4.4	-41.2
36491.019031	-45.6	4.4	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1



## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

## Final Measurement 2

Setting	Instrument Value	Target Value
Span	ZeroSpan	ZeroSpan
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	101	~ 101
SweepTime	1.000 s	1.000 s
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	QuasiPeak	QuasiPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Emissions in restricted frequency bands (Average)(2) (5240 MHz; \_\_\_\_\_ (20 dBm); 20 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5240.000000	PASS

### Final measurements

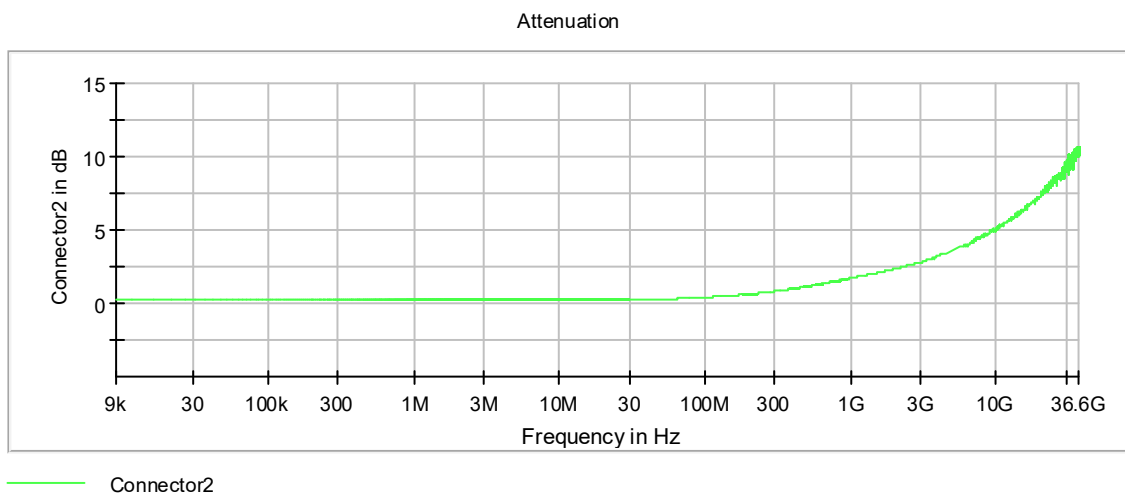
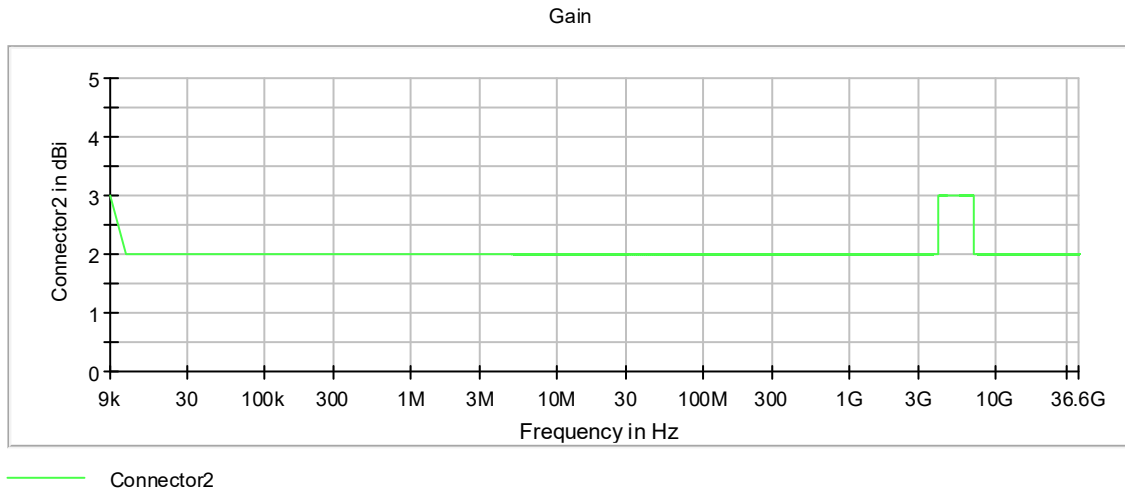
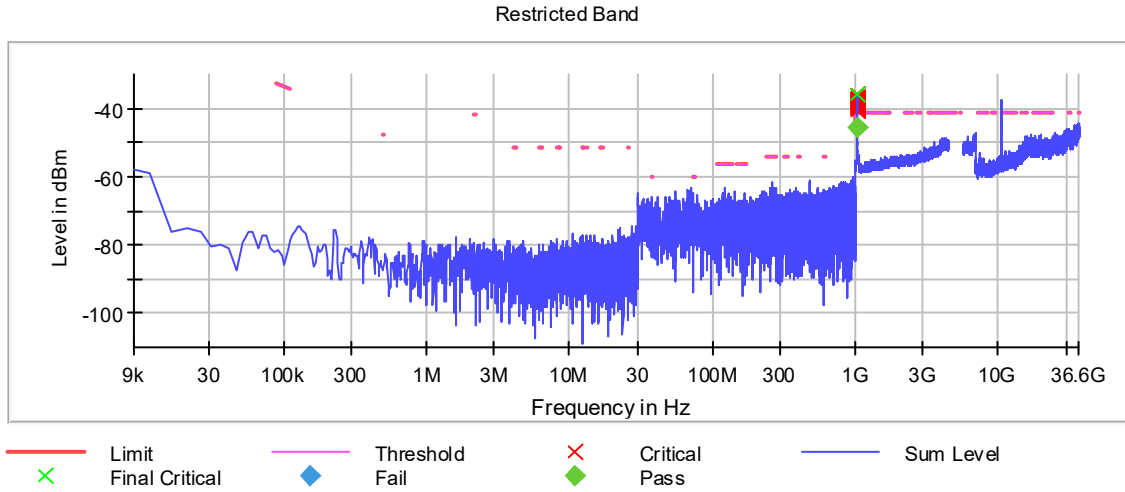
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
1034.250000	-35.6	-45.8	-41.2	4.6	PASS

### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
1034.250000	-35.6	-5.6	-41.2
1034.750000	-36.0	-5.2	-41.2
1037.750000	-36.1	-5.1	-41.2
1031.750000	-36.8	-4.4	-41.2
1037.250000	-36.8	-4.4	-41.2
1038.250000	-36.9	-4.3	-41.2
1035.250000	-37.1	-4.1	-41.2
1038.750000	-37.2	-4.0	-41.2
1035.750000	-37.2	-4.0	-41.2
1033.750000	-37.3	-3.9	-41.2
1036.750000	-37.4	-3.8	-41.2
1032.250000	-37.7	-3.5	-41.2
1033.250000	-37.8	-3.4	-41.2
1036.250000	-37.8	-3.4	-41.2
1039.250000	-38.1	-3.1	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1



## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

## Final Measurement 1

Setting	Instrument Value	Target Value
Span	ZeroSpan	ZeroSpan
RBW	1.000 MHz	~ 1.000 MHz
VBW	30.000 Hz	~ 30.000 Hz
SweepPoints	101	~ 101
SweepTime	1.000 s	1.000 s
Reference Level	5.000 dBm	AUTO
Attenuation	15.000 dB	15.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off



## Emissions in restricted frequency bands (Average)(2) (5175 MHz; \_\_\_\_\_ (20 dBm); 40 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5175.000000	PASS

### Final measurements

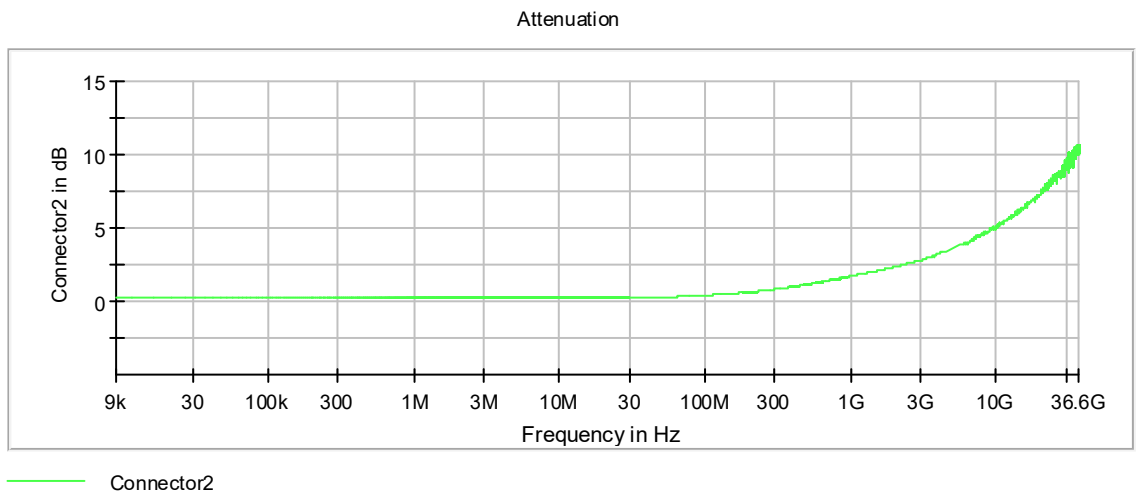
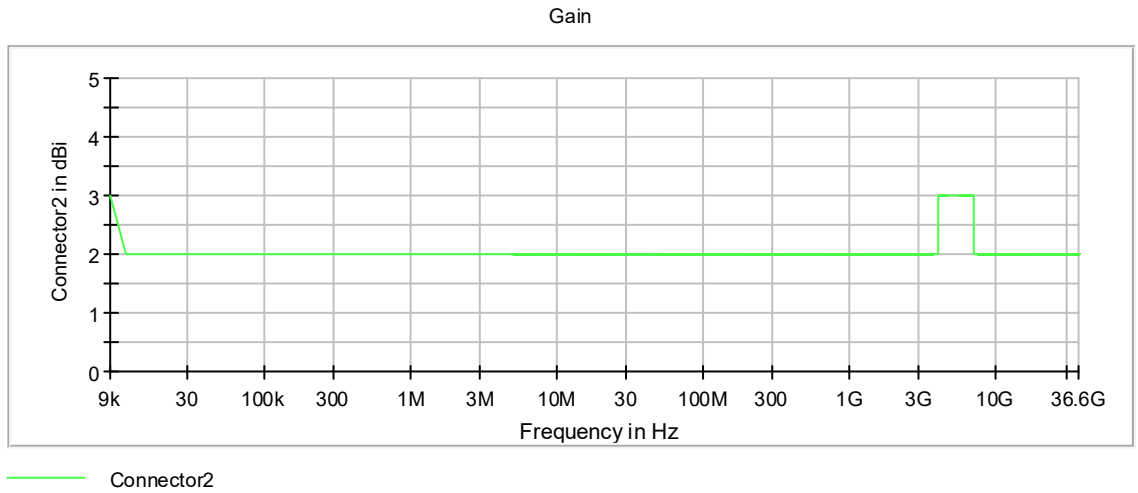
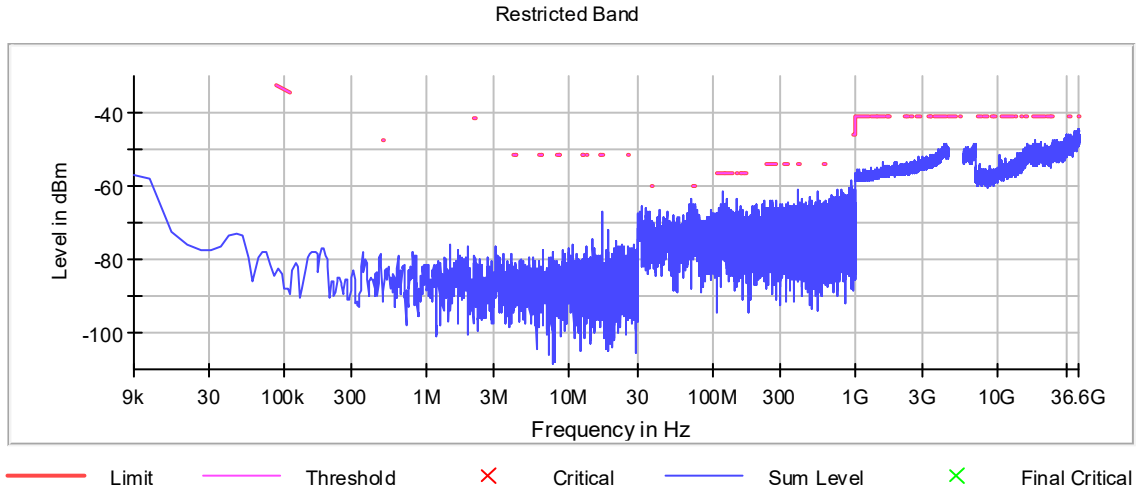
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36493.343958	-44.5	3.3	-41.2
36496.250117	-44.8	3.6	-41.2
36477.069467	-45.0	3.8	-41.2
36488.112871	-45.0	3.8	-41.2
36467.769757	-45.1	3.9	-41.2
36470.094685	-45.1	3.9	-41.2
36478.231930	-45.2	4.0	-41.2
36485.787944	-45.2	4.0	-41.2
36468.932221	-45.2	4.0	-41.2
36499.156276	-45.2	4.0	-41.2
36487.531640	-45.2	4.0	-41.2
36476.488235	-45.3	4.1	-41.2
36497.993813	-45.3	4.1	-41.2
36481.719321	-45.3	4.1	-41.2
36461.376207	-45.3	4.1	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1



## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

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## Emissions in restricted frequency bands (Average)(2) (5200 MHz; \_\_\_\_\_ (20 dBm); 40 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5200.000000	PASS

### Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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### Pre Measurements

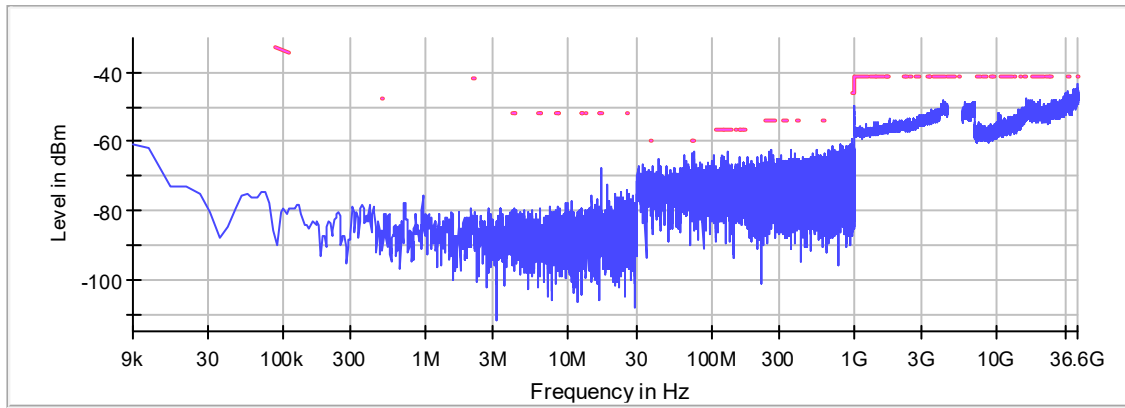
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36497.993813	-43.5	2.3	-41.2
74.825000	-63.3	3.4	-59.9
74.175000	-63.5	3.6	-59.9
36466.026062	-45.0	3.8	-41.2
1000.000000	-49.7	3.8	-45.9
36469.513453	-45.1	3.9	-41.2
36463.701134	-45.1	3.9	-41.2
31211.690260	-45.3	4.1	-41.2
36494.506422	-45.3	4.1	-41.2
36480.556858	-45.3	4.1	-41.2
74.125000	-64.1	4.2	-59.9
36451.495266	-45.5	4.3	-41.2
36457.888816	-45.5	4.3	-41.2
36475.907003	-45.5	4.3	-41.2
36463.119903	-45.5	4.3	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1

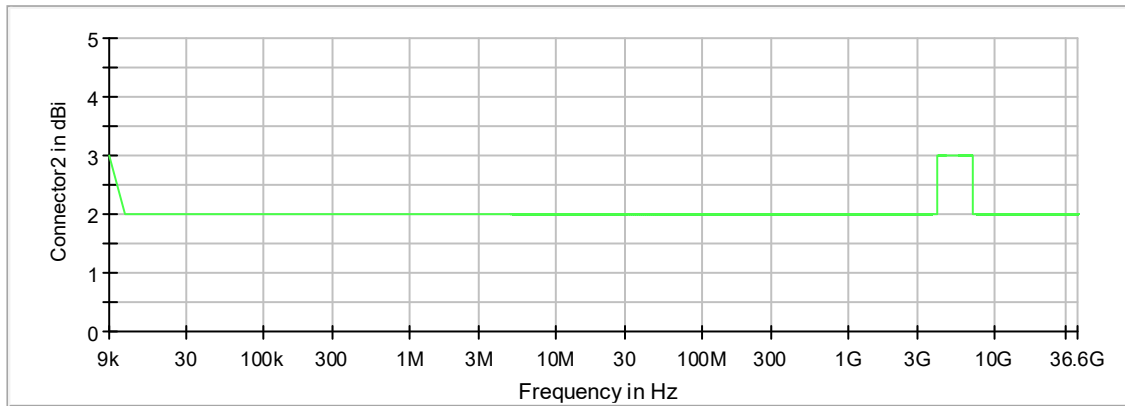
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Restricted Band



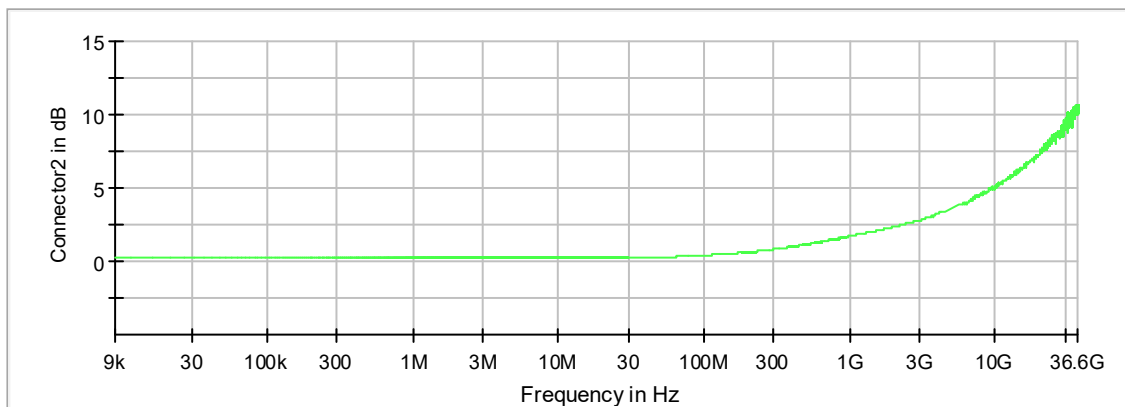
— Limit    — Threshold    × Critical    — Sum Level    × Final Critical

Gain



— Connector2

Attenuation



— Connector2

## Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

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## Emissions in restricted frequency bands (Average)(2) (5230 MHz; \_\_\_\_\_ (20 dBm); 40 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5230.000000	PASS

### Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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### Pre Measurements

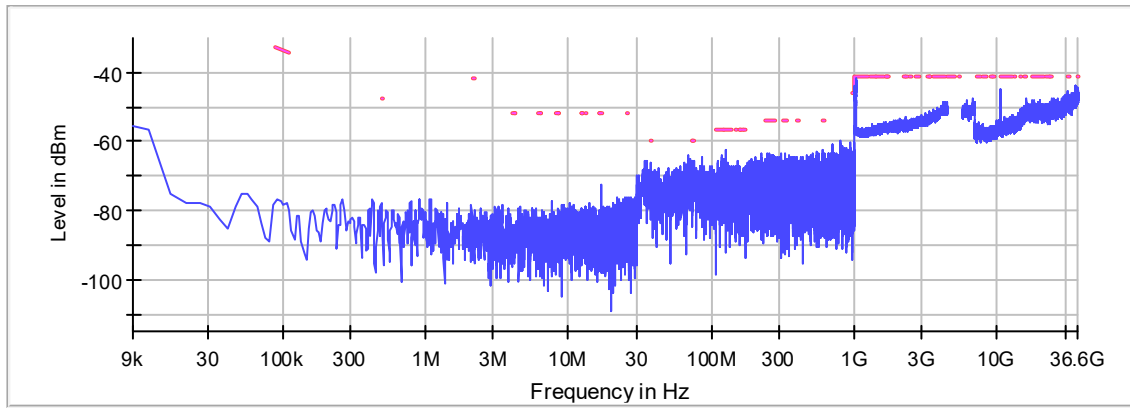
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
1024.250000	-41.8	0.6	-41.2
1027.250000	-42.1	0.9	-41.2
1030.250000	-42.4	1.2	-41.2
1021.750000	-42.8	1.6	-41.2
1029.750000	-42.9	1.7	-41.2
1025.750000	-43.1	1.9	-41.2
1022.750000	-43.1	1.9	-41.2
1027.750000	-43.2	2.0	-41.2
1026.750000	-43.2	2.0	-41.2
1023.750000	-43.2	2.0	-41.2
1024.750000	-43.2	2.0	-41.2
1030.750000	-43.2	2.0	-41.2
1023.250000	-43.3	2.1	-41.2
1028.250000	-43.3	2.1	-41.2
1021.250000	-43.5	2.3	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1

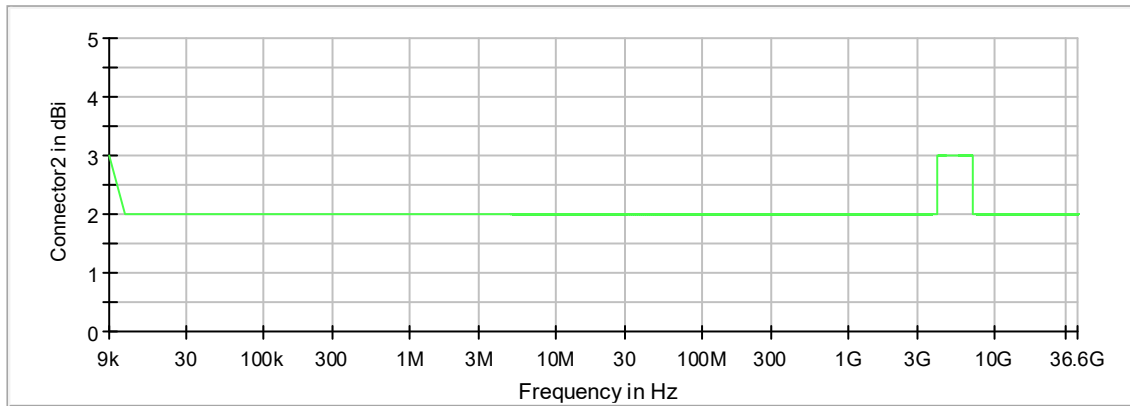
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Restricted Band



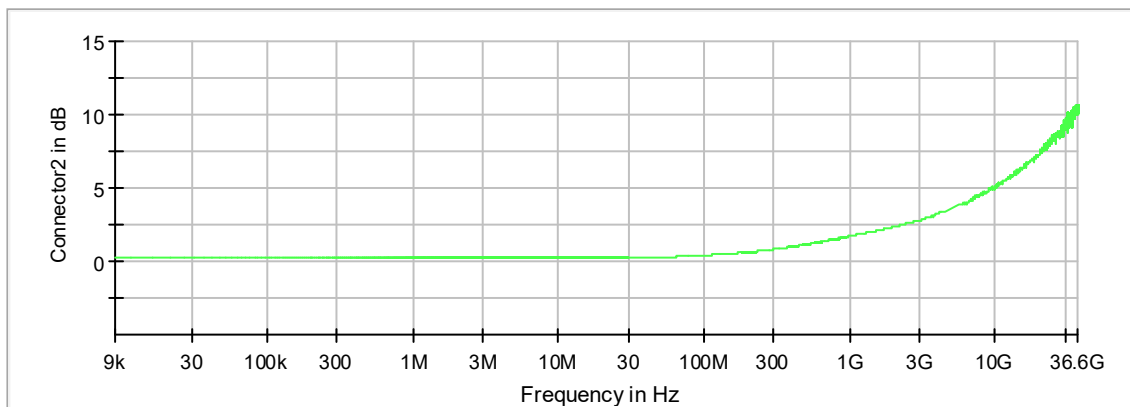
— Limit    — Threshold    × Critical    — Sum Level    × Final Critical

Gain



— Connector2

Attenuation



— Connector2

## Pre Measurement 1



Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	7000	~ 7000
SweepTime	20.000 s	20.000 s
Reference Level	10.000 dBm	AUTO
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off

## Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	15.000 dBm	AUTO
Attenuation	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
SweepType	FFT	AUTO
Preamp	off	off

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## Emissions in restricted frequency bands (Average)(2) (5170 MHz; \_\_\_\_\_ (20 dBm); 30 MHz)

Customized settings.

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.1 and ANSI C63.10-2013

### Result

DUT Frequency (MHz)	Result
5170.000000	PASS

### Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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### Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36486.950408	-44.8	3.6	-41.2
36440.451861	-45.0	3.8	-41.2
36487.531640	-45.0	3.8	-41.2
36443.939252	-45.0	3.8	-41.2
36495.087654	-45.1	3.9	-41.2
36481.719321	-45.3	4.1	-41.2
36456.145120	-45.5	4.3	-41.2
36477.650698	-45.6	4.4	-41.2
36447.426643	-45.6	4.4	-41.2
36464.863598	-45.6	4.4	-41.2
36462.538671	-45.7	4.5	-41.2
36494.506422	-45.7	4.5	-41.2
36466.026062	-45.7	4.5	-41.2
36492.181494	-45.7	4.5	-41.2
36479.975626	-45.7	4.5	-41.2

### Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	4500.000000	1	1
5700.000000	18000.000000	1	1
18000.000000	36600.000000	1	1

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