



427 West 12800 South
Draper, UT 84020

Test Report Attachment

FCC ID	SWX-UCGT
ISED ID	6545A-UCGT
Equipment Under Test	UCG-Industrial
Test Report Serial Number	TR10650_01
Date of Tests	11 - 15 November 2025
Report Issue Date	24 January 2026

Test Personnel

Testing performed by	Evan Hartzell
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Test Location

Testing was performed at the Unified Compliance Laboratory located at 427 West 12800 South, Draper, UT 84020. Unified Compliance Laboratory is accredited by National Voluntary Laboratory Accreditation Program (NVLAP); NVLAP Code 600241-0 which is effective until 30 June 2026. This site has also been registered with Innovations, Science and Economic Development (ISED) department as was accepted under Appendix B, Phase 1 procedures of the APEC Tel MRA for Canadian recognition. ISED No.: 25346, effective until 30 June 2026. Unified Compliance Laboratory has been assigned Conformity Assessment Number US0223 by ISED and MRA US5037.



Revision History		
Revision	Description	Date
01	Original Report Release	24 January 2026

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1 RF Conducted WiFi

NOTE: The first channel contains the equipment setting table(s), if subsequent channels do not have an equipment setting table(s) then the equipment setting table(s) is the same as the first channel.

1.1 EHT Mode

1.1.1 Summary

Test	Frequency (MHz)	Nominal Bandwidth (MHz)	Result
RF output power	2412.000	20.000000	PASS
Minimum Emission Bandwidth 6 dB	2412.000	20.000000	PASS
Power Spectral Density	2412.000	20.000000	PASS
Occupied Channel Bandwidth 99%	2412.000	20.000000	PASS
Band Edge low	2412.000	20.000000	PASS
Band Edge high	2412.000	20.000000	PASS
Tx Spurious Emission	2412.000	20.000000	PASS
Power Spectral Density	2417.000	20.000000	PASS
Band Edge low	2417.000	20.000000	PASS
Band Edge high	2417.000	20.000000	PASS
Power Spectral Density	2422.000	20.000000	PASS
Band Edge low	2422.000	20.000000	PASS
Band Edge high	2422.000	20.000000	PASS
Power Spectral Density	2427.000	20.000000	PASS
Band Edge low	2427.000	20.000000	PASS
Band Edge high	2427.000	20.000000	PASS
Power Spectral Density	2432.000	20.000000	PASS
Band Edge low	2432.000	20.000000	PASS
Band Edge high	2432.000	20.000000	PASS
Minimum Emission Bandwidth 6 dB	2437.000	20.000000	PASS
Power Spectral Density	2437.000	20.000000	PASS
Occupied Channel Bandwidth 99%	2437.000	20.000000	PASS
Band Edge low	2437.000	20.000000	PASS
Band Edge high	2437.000	20.000000	PASS
Tx Spurious Emission	2437.000	20.000000	PASS
Power Spectral Density	2442.000	20.000000	PASS
Band Edge low	2442.000	20.000000	PASS
Band Edge high	2442.000	20.000000	PASS
Power Spectral Density	2447.000	20.000000	PASS
Band Edge low	2447.000	20.000000	PASS
Band Edge high	2447.000	20.000000	PASS
Power Spectral Density	2452.000	20.000000	PASS
Band Edge low	2452.000	20.000000	PASS
Band Edge high	2452.000	20.000000	PASS
Power Spectral Density	2457.000	20.000000	PASS
Band Edge low	2457.000	20.000000	PASS
Band Edge high	2457.000	20.000000	PASS
Minimum Emission Bandwidth 6 dB	2462.000	20.000000	PASS
Power Spectral Density	2462.000	20.000000	PASS
Occupied Channel Bandwidth 99%	2462.000	20.000000	PASS
Band Edge low	2462.000	20.000000	PASS
Band Edge high	2462.000	20.000000	PASS
Tx Spurious Emission	2462.000	20.000000	PASS
Minimum Emission Bandwidth 6 dB	2422.000	40.000000	PASS

Power Spectral Density	2422.000	40.000000	PASS
Occupied Channel Bandwidth 99%	2422.000	40.000000	PASS
Band Edge low	2422.000	40.000000	PASS
Band Edge high	2422.000	40.000000	PASS
Tx Spurious Emission	2422.000	40.000000	PASS
Minimum Emission Bandwidth 6 dB	2437.000	40.000000	PASS
Power Spectral Density	2437.000	40.000000	PASS
Occupied Channel Bandwidth 99%	2437.000	40.000000	PASS
Band Edge low	2437.000	40.000000	PASS
Band Edge high	2437.000	40.000000	PASS
Tx Spurious Emission	2437.000	40.000000	PASS
Minimum Emission Bandwidth 6 dB	2452.000	40.000000	PASS
Power Spectral Density	2452.000	40.000000	PASS
Occupied Channel Bandwidth 99%	2452.000	40.000000	PASS
Band Edge low	2452.000	40.000000	PASS
Band Edge high	2452.000	40.000000	PASS
Tx Spurious Emission	2452.000	40.000000	PASS

RF output power (2412 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2412.000000	26.6	30.0	26.6	99.697	PASS

OSP PowerMeter settings

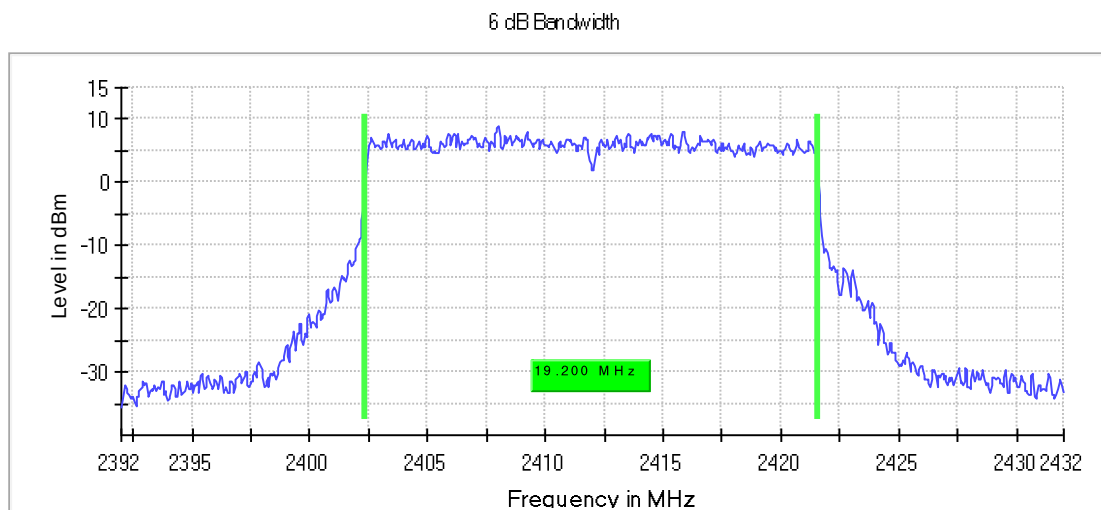
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μ s	1.000 μ s

Minimum Emission Bandwidth 6 dB (2412 MHz; 24.000 dBm; 20 MHz)

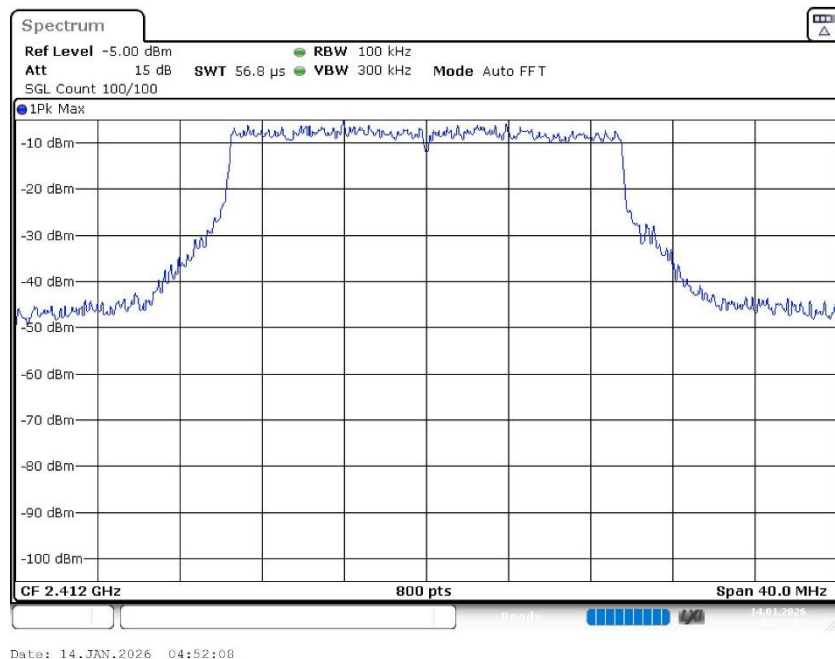
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	19.200000	0.500000	---	2402.375000	2421.575000

DUT Frequency (MHz)	Max Level (dBm)	Result
2412.000000	8.8	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39200 GHz	2.39200 GHz
Stop Frequency	2.43200 GHz	2.43200 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
Sweeptime	56.836 μ s	AUTO
Reference Level	-5.000 dBm	-5.000 dBm

Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

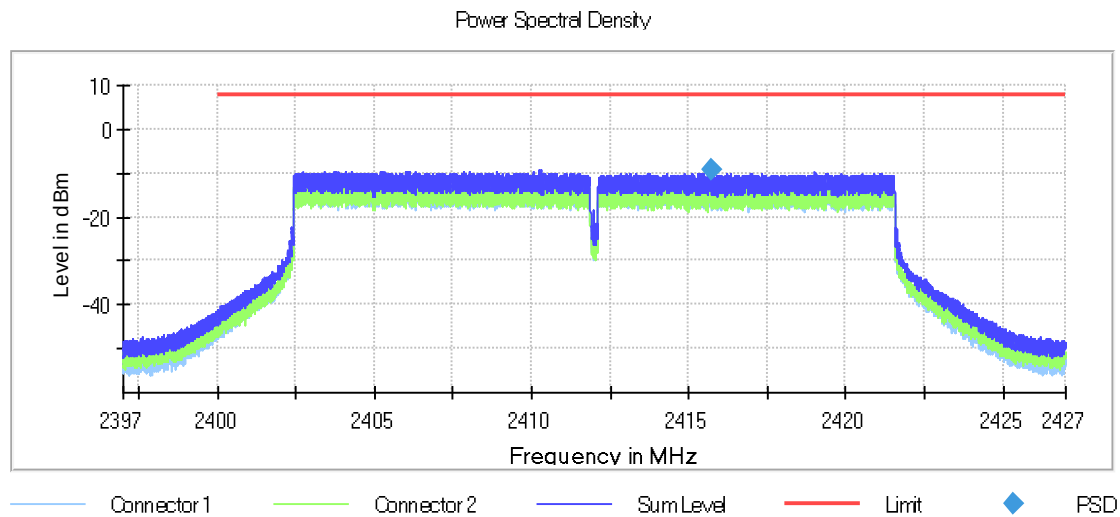
Power Spectral Density (2412 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2412.000000	2415.740250	-9.285	8.0	PASS

Ports

Port	State
1	used
2	used



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39700 GHz	2.39700 GHz
Stop Frequency	2.42700 GHz	2.42700 GHz
Span	30.000 MHz	30.000 MHz
RBW	3.000 kHz	<= 3.000 kHz
VBW	10.000 kHz	>= 9.000 kHz
SweepPoints	20000	~ 20000
SweepTime	4.424 ms	AUTO
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	Average Power	Average Power
Sweeptype	FFT	AUTO

Preamp	off	off
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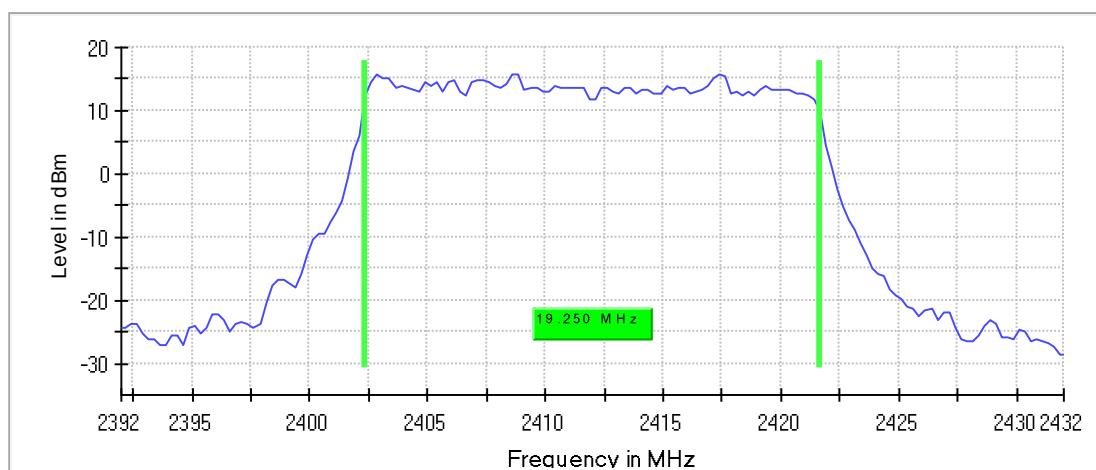
Occupied Channel Bandwidth 99% (2412 MHz; 24.000 dBm; 20 MHz)

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	19.250000	---	---	2402.375000	2421.625000

DUT Frequency (MHz)	Result
2412.000000	PASS

99 %Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39200 GHz	2.39200 GHz
Stop Frequency	2.43200 GHz	2.43200 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	>= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	160	~ 160
SweepTime	11.344 μ s	AUTO
Reference Level	-5.000 dBm	-5.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

Band Edge low (2412 MHz; 24.000 dBm; 20 MHz)

Result

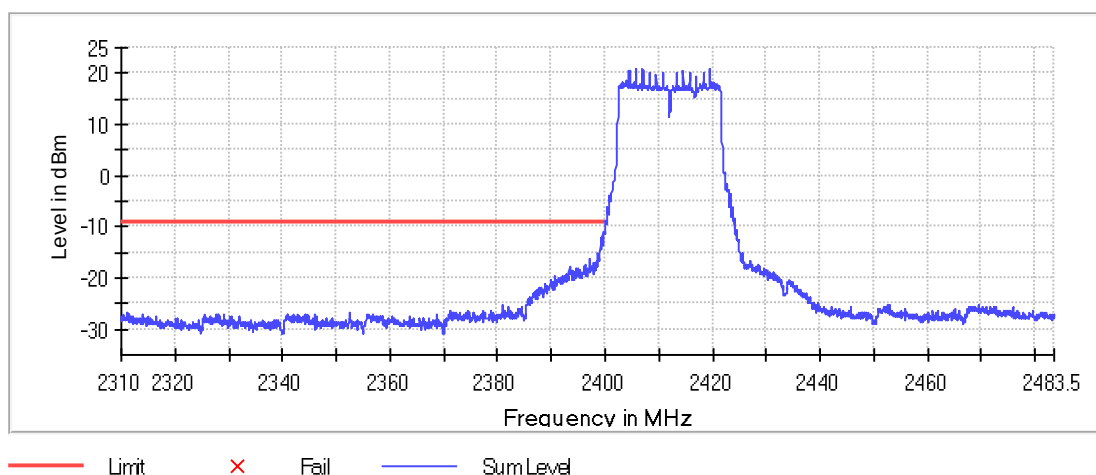
DUT Frequency (MHz)	Result
2412.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.825000	-10.9	1.8	-9.1	PASS
2399.775000	-11.0	1.9	-9.1	PASS
2399.975000	-11.1	2.0	-9.1	PASS

2399.925000	-11.2	2.2	-9.1	PASS
2399.475000	-11.3	2.2	-9.1	PASS
2399.675000	-11.4	2.3	-9.1	PASS
2399.725000	-11.5	2.4	-9.1	PASS
2399.875000	-11.5	2.4	-9.1	PASS
2399.625000	-11.9	2.9	-9.1	PASS
2399.225000	-12.0	2.9	-9.1	PASS
2399.525000	-12.0	2.9	-9.1	PASS
2399.425000	-12.2	3.1	-9.1	PASS
2399.175000	-12.3	3.2	-9.1	PASS
2399.275000	-12.9	3.8	-9.1	PASS
2399.125000	-13.1	4.1	-9.1	PASS

Band Edge



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	113.672 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	8 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	74 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.35 dB	0.50 dB

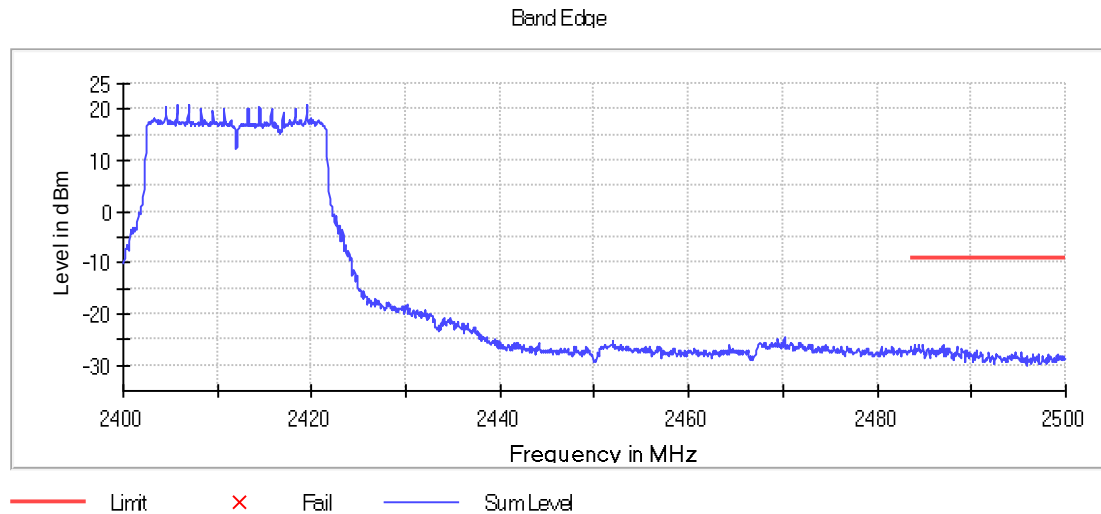
Band Edge high (2412 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
2412.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2486.975000	-26.0	16.9	-9.1	PASS
2484.425000	-26.1	17.0	-9.1	PASS
2484.825000	-26.1	17.0	-9.1	PASS
2483.975000	-26.1	17.0	-9.1	PASS
2484.475000	-26.3	17.2	-9.1	PASS
2486.925000	-26.3	17.2	-9.1	PASS
2484.875000	-26.4	17.3	-9.1	PASS
2487.025000	-26.4	17.3	-9.1	PASS
2483.925000	-26.4	17.4	-9.1	PASS
2483.525000	-26.5	17.4	-9.1	PASS
2488.475000	-26.5	17.4	-9.1	PASS
2484.375000	-26.6	17.5	-9.1	PASS
2487.375000	-26.7	17.6	-9.1	PASS
2485.375000	-26.7	17.6	-9.1	PASS
2484.175000	-26.8	17.7	-9.1	PASS



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
Sweptime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	50 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.38 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.48350 GHz	2.48350 GHz
Stop Frequency	2.50000 GHz	2.50000 GHz
Span	16.500 MHz	16.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	330	~ 330
Sweptime	18.945 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB

Trace Mode	Max Hold	Max Hold
Sweep type	FFT	AUTO
Preamp	off	off
Stable mode	Trace	Trace
Stable value	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Tx Spurious Emission (2412 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
2412.000000	PASS

Final measurements

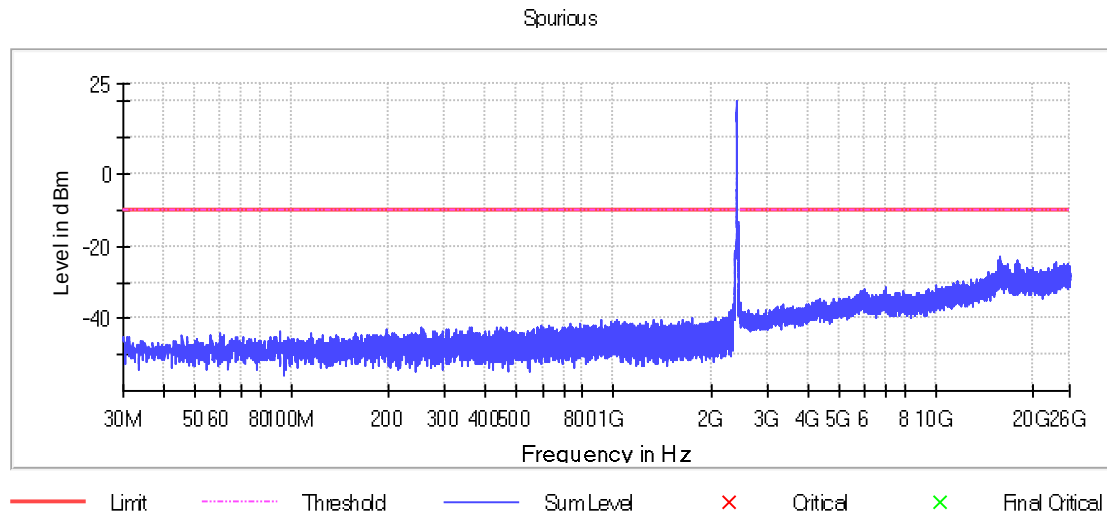
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2399.475000	-10.4	0.6	-9.9
2399.525000	-11.0	1.1	-9.9
2399.425000	-11.5	1.6	-9.9
2399.225000	-11.9	2.0	-9.9
2399.275000	-12.2	2.4	-9.9
2399.175000	-12.5	2.6	-9.9
2399.575000	-13.2	3.3	-9.9
2399.975000	-13.3	3.4	-9.9
2399.725000	-13.5	3.6	-9.9
2399.775000	-14.1	4.2	-9.9
2399.925000	-14.2	4.4	-9.9
2399.675000	-14.4	4.5	-9.9
2399.375000	-14.7	4.8	-9.9
2399.125000	-14.8	5.0	-9.9
2399.325000	-14.9	5.0	-9.9

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2350.000000	1	1
2350.000000	2483.500000	2	1
2483.500000	26000.000000	1	1



Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	≤ 100.000 kHz
VBW	300.000 kHz	≥ 300.000 kHz
SweepPoints	32001	~ 46400
SweepTime	32.100 ms	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	40.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	3	3
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	100.000 kHz	≤ 100.000 kHz
VBW	300.000 kHz	≥ 300.000 kHz
SweepPoints	2670	~ 2670
SweepTime	151.563 μ s	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	40.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	300	300
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

Power Spectral Density (2417 MHz; 24.000 dBm; 20 MHz)

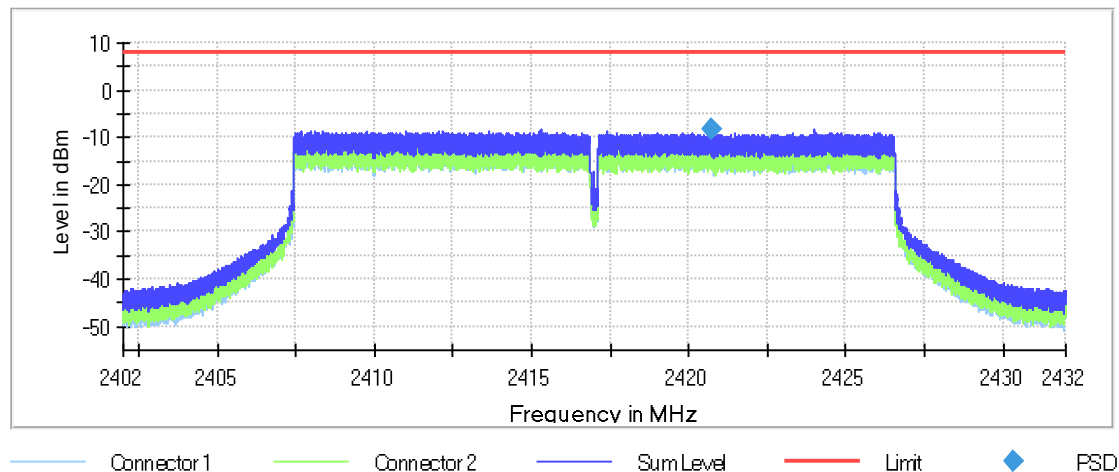
Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2417.000000	2420.740250	-8.086	8.0	PASS

Ports

Port	State
1	used
2	used

Power Spectral Density



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40200 GHz	2.40200 GHz
Stop Frequency	2.43200 GHz	2.43200 GHz
Span	30.000 MHz	30.000 MHz
RBW	3.000 kHz	<= 3.000 kHz
VBW	10.000 kHz	>= 9.000 kHz
SweepPoints	20000	~ 20000
SweepTime	4.424 ms	AUTO
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	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

Band Edge low (2417 MHz; 24.000 dBm; 20 MHz)

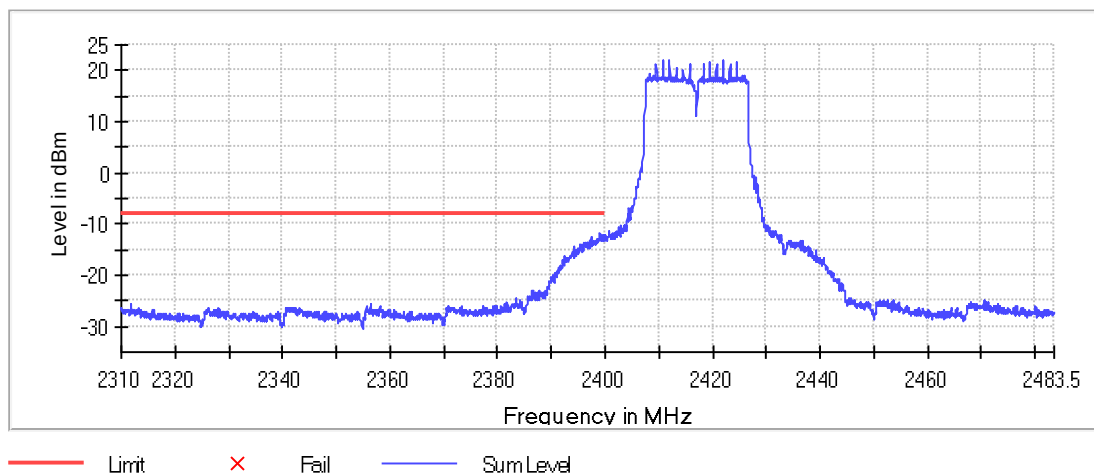
Result

DUT Frequency (MHz)	Result
2417.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.025000	-11.6	3.6	-8.1	PASS
2399.075000	-11.9	3.8	-8.1	PASS
2398.875000	-12.0	4.0	-8.1	PASS
2399.675000	-12.1	4.0	-8.1	PASS
2398.925000	-12.1	4.0	-8.1	PASS
2399.925000	-12.1	4.1	-8.1	PASS
2399.125000	-12.2	4.1	-8.1	PASS
2399.175000	-12.2	4.1	-8.1	PASS
2398.975000	-12.2	4.2	-8.1	PASS
2399.975000	-12.3	4.3	-8.1	PASS
2399.725000	-12.3	4.3	-8.1	PASS
2398.825000	-12.4	4.3	-8.1	PASS
2399.625000	-12.5	4.4	-8.1	PASS
2399.475000	-12.5	4.4	-8.1	PASS
2397.375000	-12.6	4.5	-8.1	PASS

Band Edge



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	113.672 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm

Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	78 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.24 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 µs	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	62 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.39 dB	0.50 dB

Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	113.672 µs	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	78 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.24 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	62 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.39 dB	0.50 dB

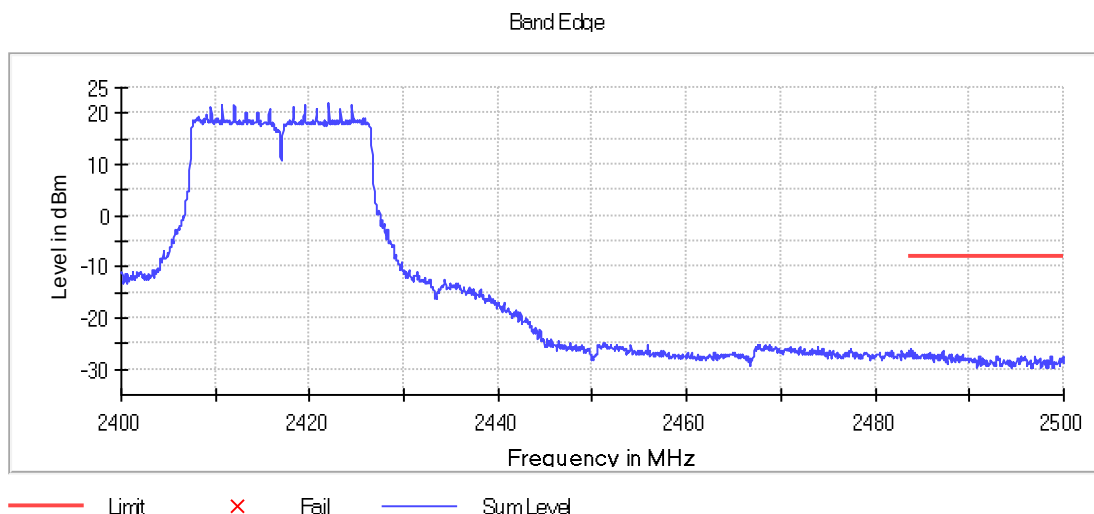
Band Edge high (2417 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
2417.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2483.825000	-26.0	17.8	-8.1	PASS
2483.875000	-26.2	18.1	-8.1	PASS
2483.925000	-26.5	18.4	-8.1	PASS
2487.175000	-26.5	18.4	-8.1	PASS
2483.575000	-26.5	18.4	-8.1	PASS
2484.175000	-26.6	18.5	-8.1	PASS
2484.225000	-26.6	18.5	-8.1	PASS
2483.525000	-26.6	18.5	-8.1	PASS
2487.125000	-26.8	18.7	-8.1	PASS
2483.775000	-26.9	18.8	-8.1	PASS
2485.775000	-26.9	18.8	-8.1	PASS
2486.925000	-26.9	18.8	-8.1	PASS
2483.975000	-27.0	18.9	-8.1	PASS
2485.025000	-27.0	18.9	-8.1	PASS
2485.525000	-27.0	18.9	-8.1	PASS



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
Sweptime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	73 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.35 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.48350 GHz	2.48350 GHz
Stop Frequency	2.50000 GHz	2.50000 GHz
Span	16.500 MHz	16.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	330	~ 330
Sweptime	18.945 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB

Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

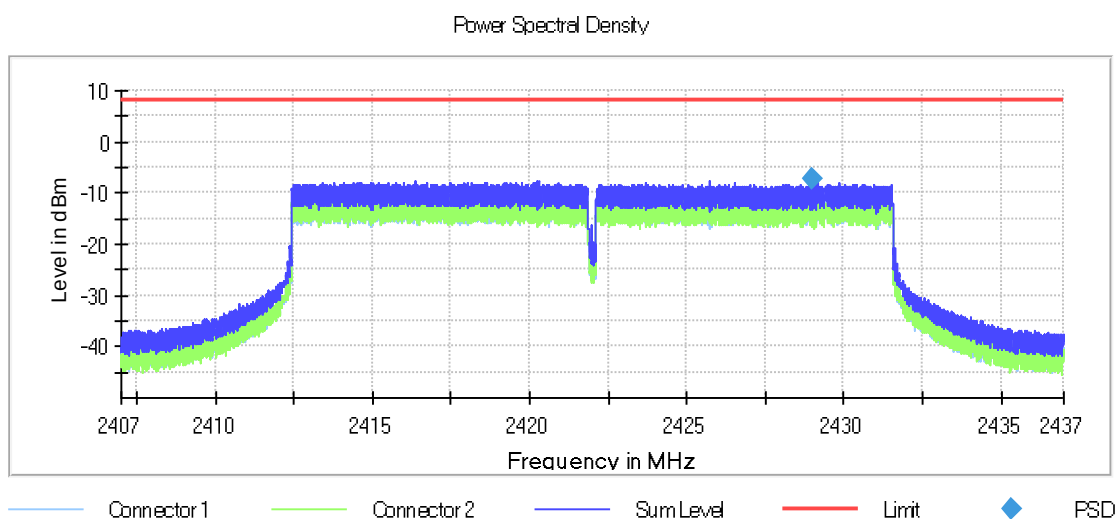
Power Spectral Density (2422 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2422.000000	2429.020750	-7.412	8.0	PASS

Ports

Port	State
1	used
2	used



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40700 GHz	2.40700 GHz
Stop Frequency	2.43700 GHz	2.43700 GHz
Span	30.000 MHz	30.000 MHz
RBW	3.000 kHz	<= 3.000 kHz
VBW	10.000 kHz	>= 9.000 kHz
SweepPoints	20000	~ 20000
SweepTime	4.424 ms	AUTO
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	Average Power	Average Power

Sweep type	FFT	AUTO
Preamp	off	off

Band Edge low (2422 MHz; 24.000 dBm; 20 MHz)

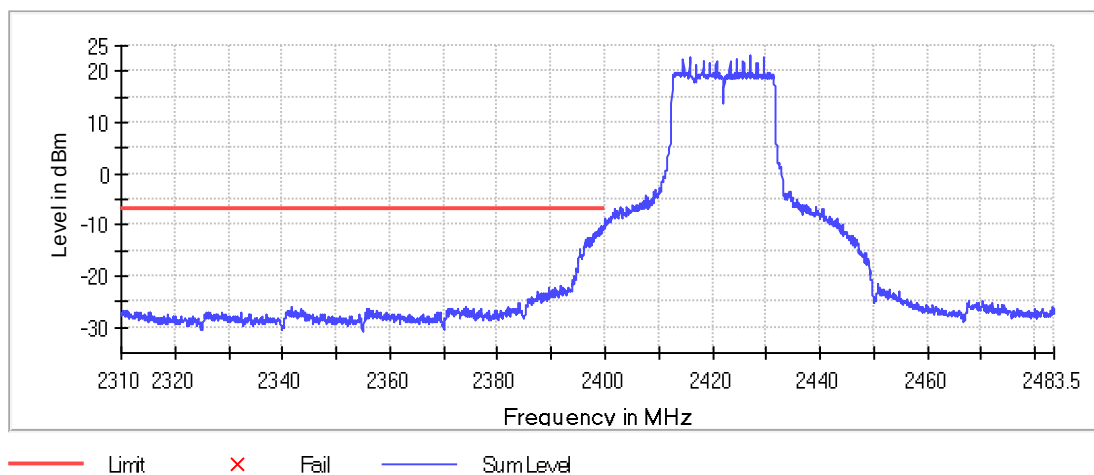
Result

DUT Frequency (MHz)	Result
2422.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.925000	-8.9	1.9	-7.0	PASS
2399.975000	-9.1	2.1	-7.0	PASS
2399.875000	-9.8	2.8	-7.0	PASS
2399.575000	-10.3	3.4	-7.0	PASS
2399.225000	-10.4	3.4	-7.0	PASS
2399.525000	-10.5	3.5	-7.0	PASS
2399.825000	-10.5	3.5	-7.0	PASS
2399.475000	-10.7	3.8	-7.0	PASS
2398.775000	-10.7	3.8	-7.0	PASS
2399.275000	-10.9	3.9	-7.0	PASS
2399.625000	-10.9	3.9	-7.0	PASS
2398.825000	-10.9	3.9	-7.0	PASS
2399.675000	-11.0	4.0	-7.0	PASS
2399.775000	-11.0	4.1	-7.0	PASS
2399.725000	-11.1	4.1	-7.0	PASS

Band Edge



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz

SweepPoints	1800	~ 1800
SweepTime	113.672 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	30 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	$\leq$ 100.000 kHz
VBW	300.000 kHz	$\geq$ 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	52 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.31 dB	0.50 dB

Band Edge high (2422 MHz; 24.000 dBm; 20 MHz)

Result

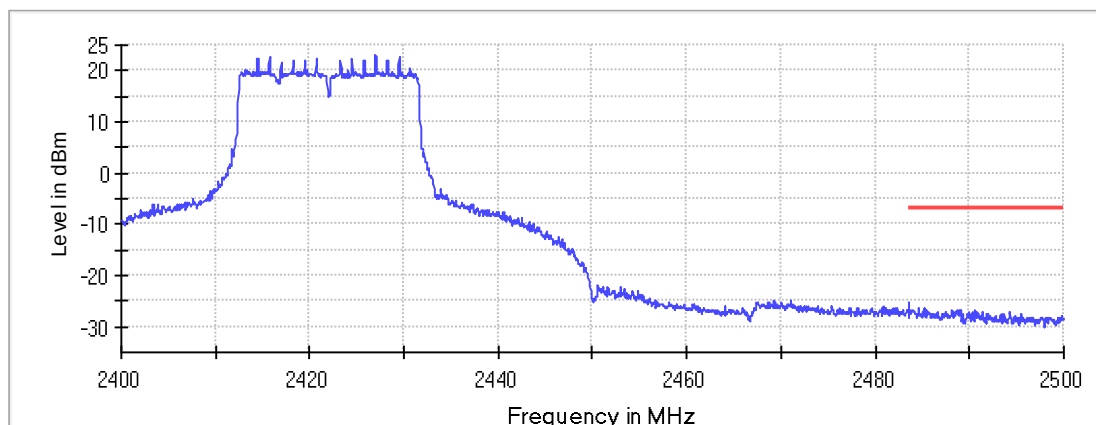
DUT Frequency (MHz)	Result
2422.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2483.525000	-25.4	18.4	-7.0	PASS
2483.575000	-26.4	19.4	-7.0	PASS
2485.175000	-26.4	19.4	-7.0	PASS
2484.625000	-26.5	19.5	-7.0	PASS
2488.625000	-26.6	19.6	-7.0	PASS
2485.125000	-26.6	19.6	-7.0	PASS
2484.075000	-26.6	19.6	-7.0	PASS
2488.675000	-26.6	19.6	-7.0	PASS

2489.025000	-26.6	19.7	-7.0	PASS
2483.775000	-26.7	19.7	-7.0	PASS
2488.175000	-26.7	19.7	-7.0	PASS
2488.975000	-26.7	19.7	-7.0	PASS
2484.575000	-26.8	19.8	-7.0	PASS
2490.625000	-26.8	19.8	-7.0	PASS
2484.025000	-26.8	19.9	-7.0	PASS

Band Edge



— Limit × Fail — Sum Level

Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	89 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.28 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.48350 GHz	2.48350 GHz
Stop Frequency	2.50000 GHz	2.50000 GHz
Span	16.500 MHz	16.500 MHz
RBW	100.000 kHz	<= 100.000 kHz

VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	330	~ 330
SweepTime	18.945 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

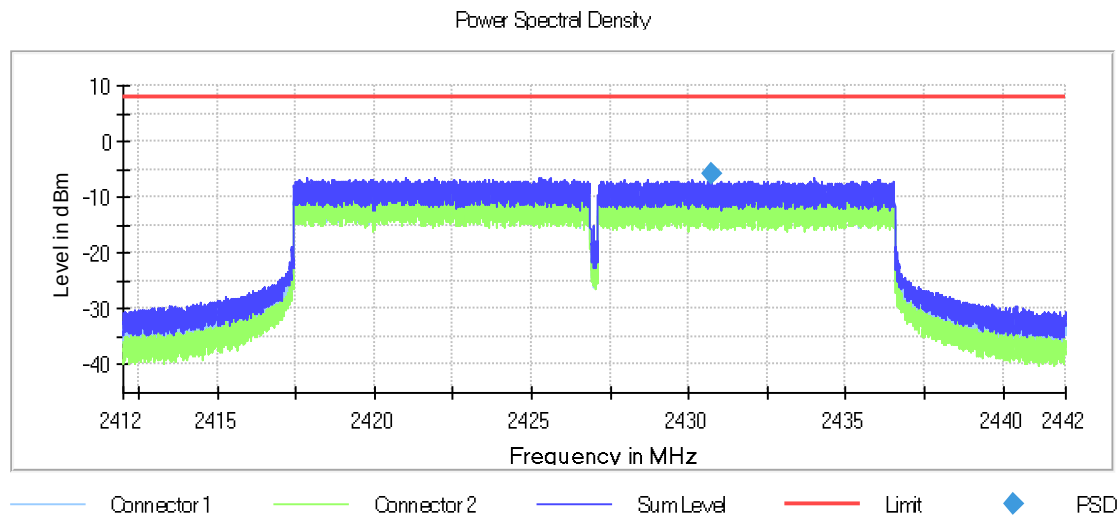
Power Spectral Density (2427 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2427.000000	2430.738750	-5.787	8.0	PASS

Ports

Port	State
1	used
2	used



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.41200 GHz	2.41200 GHz
Stop Frequency	2.44200 GHz	2.44200 GHz
Span	30.000 MHz	30.000 MHz
RBW	3.000 kHz	<= 3.000 kHz
VBW	10.000 kHz	>= 9.000 kHz

SweepPoints	20000	~ 20000
Sweeptime	4.424 ms	AUTO
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	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

Band Edge low (2427 MHz; 24.000 dBm; 20 MHz)

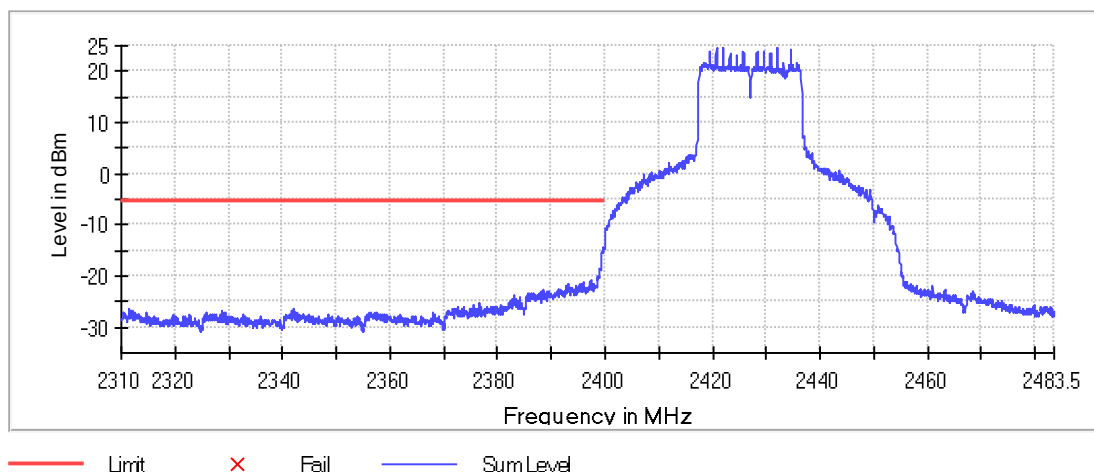
Result

DUT Frequency (MHz)	Result
2427.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.975000	-12.3	6.9	-5.4	PASS
2399.925000	-13.9	8.5	-5.4	PASS
2399.725000	-14.5	9.1	-5.4	PASS
2399.775000	-14.6	9.2	-5.4	PASS
2399.475000	-14.6	9.2	-5.4	PASS
2399.875000	-14.8	9.4	-5.4	PASS
2399.825000	-14.8	9.4	-5.4	PASS
2399.525000	-14.8	9.4	-5.4	PASS
2399.675000	-15.2	9.8	-5.4	PASS
2399.625000	-15.3	9.9	-5.4	PASS
2399.425000	-15.4	10.0	-5.4	PASS
2399.575000	-15.4	10.0	-5.4	PASS
2399.375000	-16.2	10.8	-5.4	PASS
2399.275000	-16.4	11.0	-5.4	PASS
2399.325000	-16.7	11.3	-5.4	PASS

Band Edge



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	113.672 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	12 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	54 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.46 dB	0.50 dB

Band Edge high (2427 MHz; 24.000 dBm; 20 MHz)

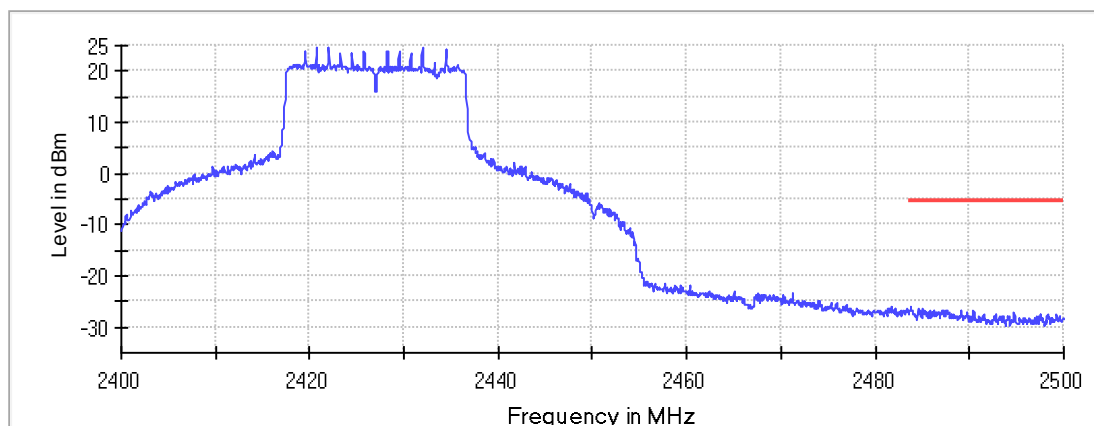
Result

DUT Frequency (MHz)	Result
2427.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2483.775000	-25.9	20.6	-5.3	PASS
2483.825000	-26.2	20.9	-5.3	PASS
2484.575000	-26.5	21.2	-5.3	PASS
2484.525000	-26.5	21.2	-5.3	PASS
2485.075000	-26.5	21.2	-5.3	PASS
2485.025000	-26.6	21.3	-5.3	PASS
2487.125000	-26.6	21.3	-5.3	PASS
2484.775000	-26.6	21.3	-5.3	PASS
2483.725000	-26.6	21.3	-5.3	PASS
2490.425000	-26.7	21.4	-5.3	PASS
2485.275000	-26.7	21.4	-5.3	PASS
2484.825000	-26.7	21.4	-5.3	PASS
2485.225000	-26.7	21.4	-5.3	PASS
2485.775000	-26.7	21.4	-5.3	PASS
2483.925000	-26.8	21.4	-5.3	PASS

Band Edge



— Limit × Fail — SumLevel

Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	52 / max. 150	max. 150
Stable	3 / 3	3

Max Stable Difference	0.21 dB	0.50 dB
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Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.48350 GHz	2.48350 GHz
Stop Frequency	2.50000 GHz	2.50000 GHz
Span	16.500 MHz	16.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	330	~ 330
SweepTime	18.945 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

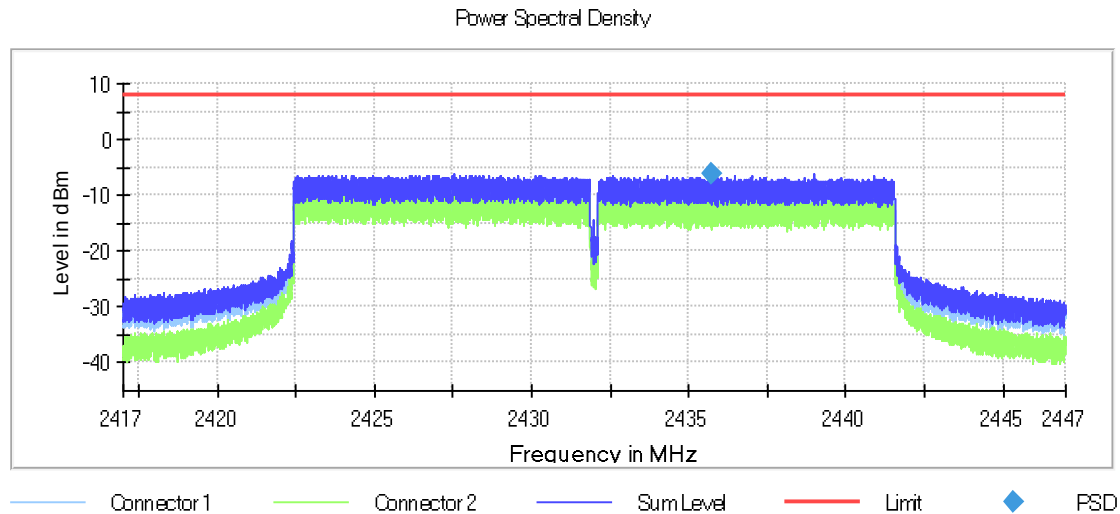
Power Spectral Density (2432 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2432.000000	2435.738750	-6.075	8.0	PASS

Ports

Port	State
1	used
2	used



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.41700 GHz	2.41700 GHz
Stop Frequency	2.44700 GHz	2.44700 GHz
Span	30.000 MHz	30.000 MHz
RBW	3.000 kHz	<= 3.000 kHz
VBW	10.000 kHz	>= 9.000 kHz
SweepPoints	20000	~ 20000
SweepTime	4.424 ms	AUTO
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	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

Band Edge low (2432 MHz; 24.000 dBm; 20 MHz)

Result

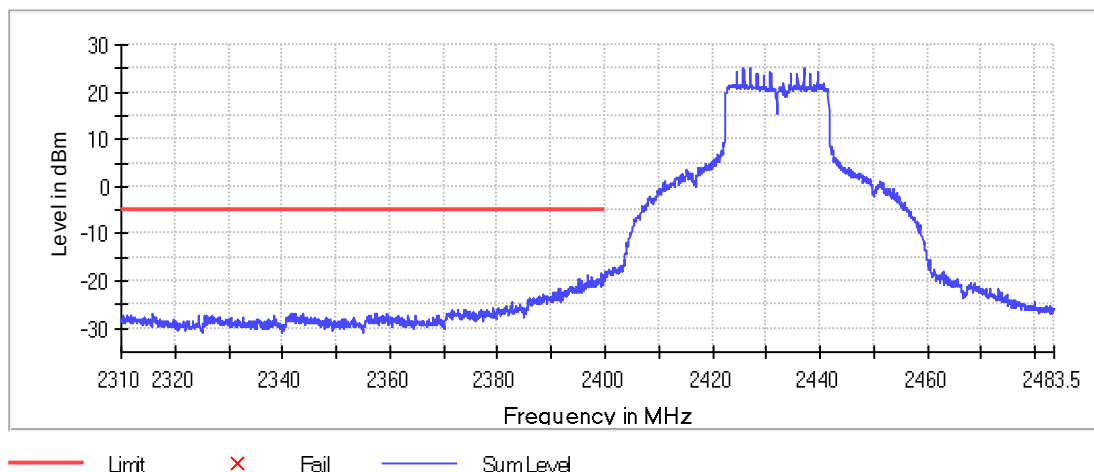
DUT Frequency (MHz)	Result
2432.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.375000	-18.4	13.5	-4.9	PASS
2399.325000	-18.4	13.6	-4.9	PASS
2396.675000	-18.8	14.0	-4.9	PASS
2399.725000	-18.9	14.0	-4.9	PASS
2396.725000	-18.9	14.0	-4.9	PASS
2399.425000	-19.0	14.2	-4.9	PASS
2399.675000	-19.1	14.2	-4.9	PASS
2397.475000	-19.2	14.3	-4.9	PASS
2399.475000	-19.3	14.4	-4.9	PASS

2399.625000	-19.3	14.5	-4.9	PASS
2397.425000	-19.6	14.7	-4.9	PASS
2399.775000	-19.6	14.8	-4.9	PASS
2395.125000	-19.7	14.8	-4.9	PASS
2395.175000	-19.7	14.8	-4.9	PASS
2397.525000	-19.7	14.8	-4.9	PASS

Band Edge



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	113.672 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	21 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz

SweepPoints	1670	~ 1670
Sweeptime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	80 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.37 dB	0.50 dB

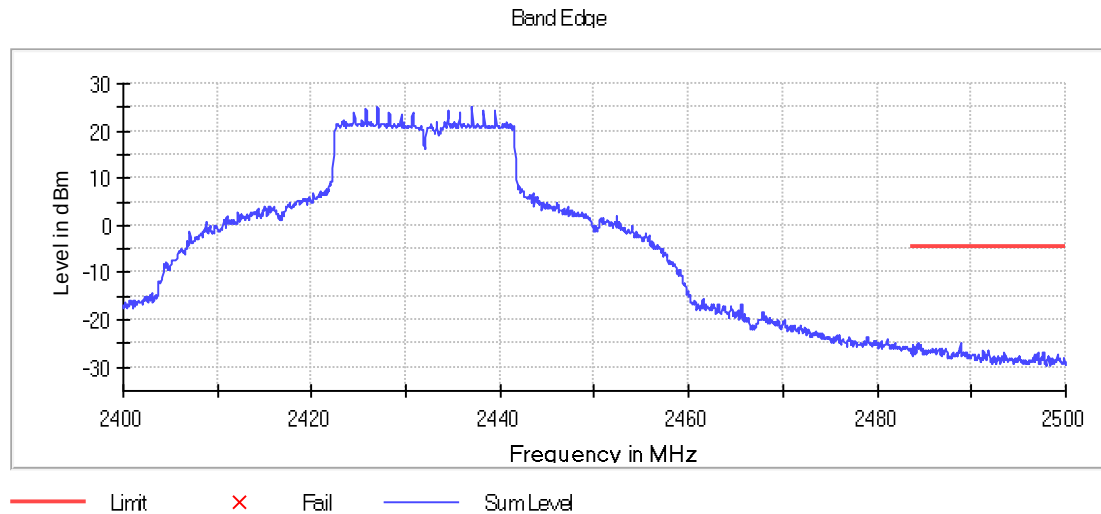
Band Edge high (2432 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
2432.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2488.825000	-25.0	20.3	-4.7	PASS
2484.325000	-25.0	20.3	-4.7	PASS
2484.225000	-25.2	20.5	-4.7	PASS
2484.275000	-25.2	20.5	-4.7	PASS
2484.625000	-25.3	20.6	-4.7	PASS
2484.575000	-25.3	20.6	-4.7	PASS
2484.425000	-25.4	20.6	-4.7	PASS
2488.875000	-25.4	20.6	-4.7	PASS
2483.825000	-25.4	20.7	-4.7	PASS
2483.875000	-25.6	20.9	-4.7	PASS
2484.475000	-25.6	20.9	-4.7	PASS
2483.975000	-25.7	21.0	-4.7	PASS
2484.175000	-25.7	21.0	-4.7	PASS
2483.925000	-25.8	21.1	-4.7	PASS
2484.375000	-26.0	21.3	-4.7	PASS



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
Sweptime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	80 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.36 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.48350 GHz	2.48350 GHz
Stop Frequency	2.50000 GHz	2.50000 GHz
Span	16.500 MHz	16.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	330	~ 330
Sweptime	18.945 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB

Trace Mode	Max Hold	Max Hold
Sweep type	FFT	AUTO
Preamp	off	off
Stable mode	Trace	Trace
Stable value	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

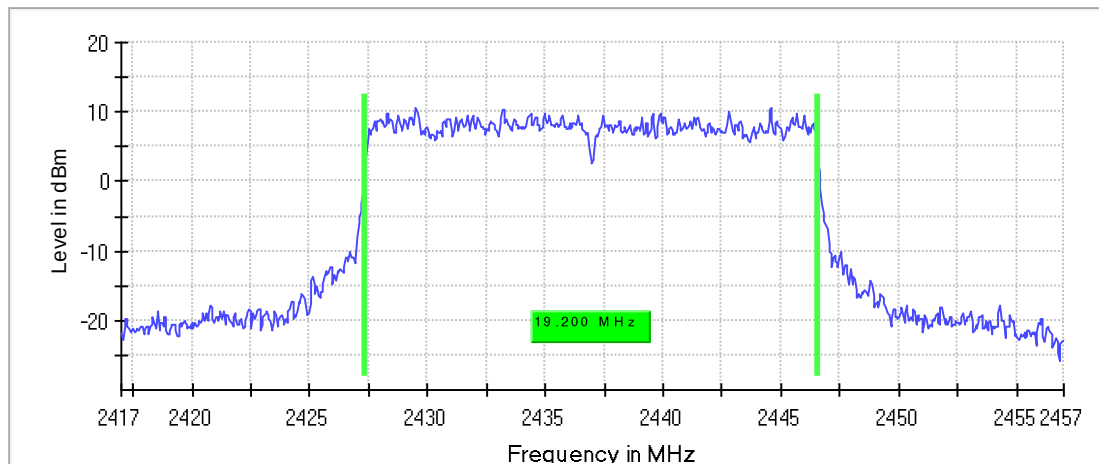
Minimum Emission Bandwidth 6 dB (2437 MHz; 24.000 dBm; 20 MHz)

6 dB Bandwidth

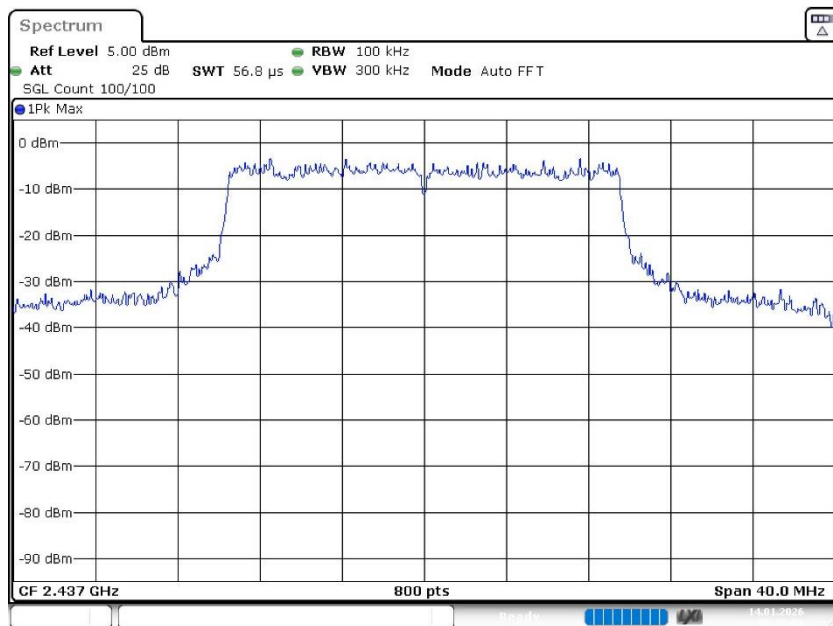
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	19.200000	0.500000	---	2427.375000	2446.575000

DUT Frequency (MHz)	Max Level (dBm)	Result
2437.000000	10.6	PASS

6 dB Bandwidth



Bandwidth



Date: 14.JAN.2026 05:39:30

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.41700 GHz	2.41700 GHz
Stop Frequency	2.45700 GHz	2.45700 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
SweepTime	56.836 μ s	AUTO
Reference Level	5.000 dBm	-5.000 dBm
Attenuation	25.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Start Frequency	2.41700 GHz	2.41700 GHz
Stop Frequency	2.45700 GHz	2.45700 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
SweepTime	56.836 μ s	AUTO
Reference Level	5.000 dBm	-5.000 dBm
Attenuation	25.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

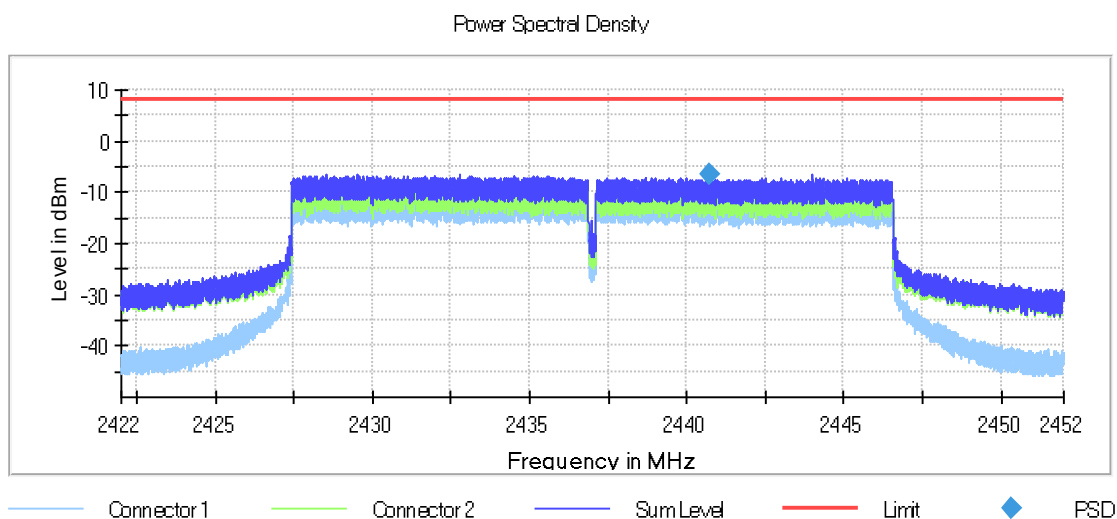
Power Spectral Density (2437 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2437.000000	2440.738750	-6.438	8.0	PASS

Ports

Port	State
1	used
2	used



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.42200 GHz	2.42200 GHz
Stop Frequency	2.45200 GHz	2.45200 GHz
Span	30.000 MHz	30.000 MHz
RBW	3.000 kHz	<= 3.000 kHz
VBW	10.000 kHz	>= 9.000 kHz
SweepPoints	20000	~ 20000
SweepTime	4.424 ms	AUTO
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	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

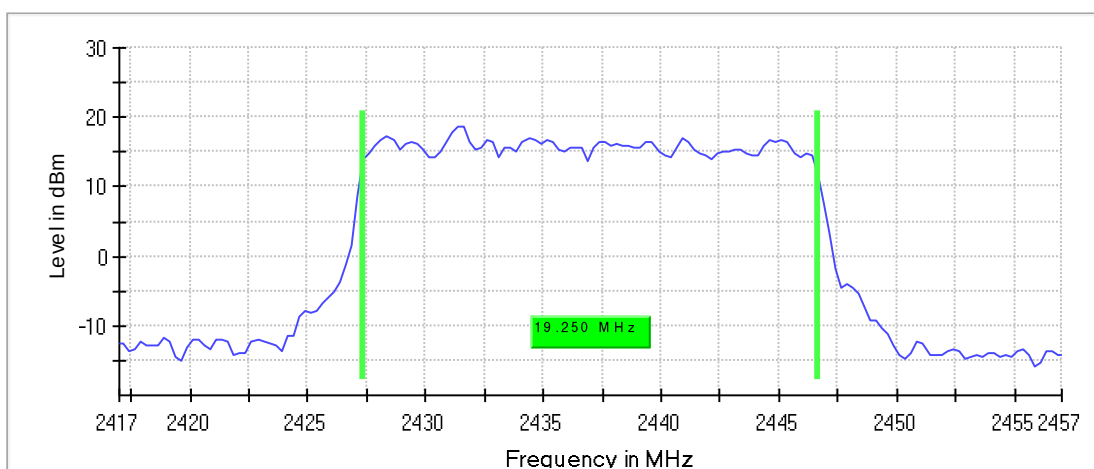
Occupied Channel Bandwidth 99% (2437 MHz; 24.000 dBm; 20 MHz)

99 % Bandwidth

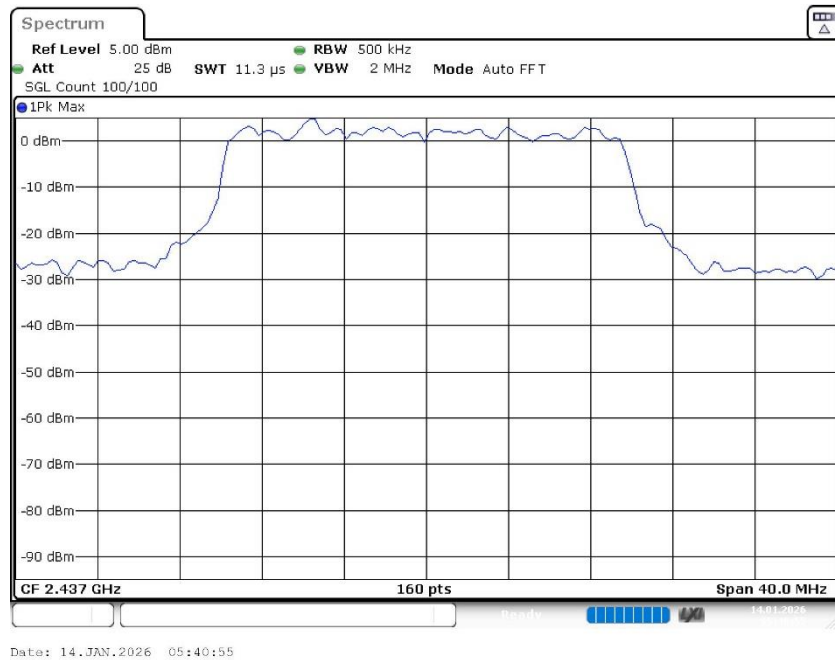
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	19.250000	---	---	2427.375000	2446.625000

DUT Frequency (MHz)	Result
2437.000000	PASS

99 % Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.41700 GHz	2.41700 GHz
Stop Frequency	2.45700 GHz	2.45700 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	$\geq$ 500.000 kHz
VBW	2.000 MHz	$\geq$ 1.500 MHz
SweepPoints	160	$\sim$ 160
Sweptime	11.344 μ s	AUTO
Reference Level	5.000 dBm	-5.000 dBm
Attenuation	25.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

Band Edge low (2437 MHz; 24.000 dBm; 20 MHz)

Result

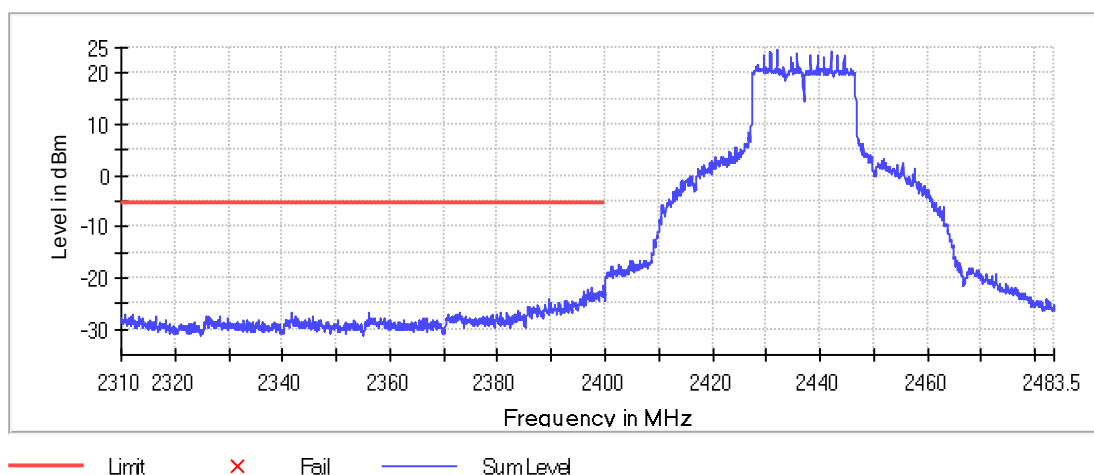
DUT Frequency (MHz)	Result
2437.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.725000	-21.5	16.0	-5.5	PASS
2399.775000	-21.8	16.2	-5.5	PASS
2399.675000	-21.8	16.2	-5.5	PASS

2397.425000	-22.0	16.5	-5.5	PASS
2396.775000	-22.1	16.6	-5.5	PASS
2396.725000	-22.2	16.6	-5.5	PASS
2397.375000	-22.3	16.8	-5.5	PASS
2396.825000	-22.5	16.9	-5.5	PASS
2399.625000	-22.5	17.0	-5.5	PASS
2399.825000	-22.5	17.0	-5.5	PASS
2399.225000	-22.5	17.0	-5.5	PASS
2399.575000	-22.5	17.0	-5.5	PASS
2399.175000	-22.6	17.0	-5.5	PASS
2395.975000	-22.6	17.1	-5.5	PASS
2399.125000	-22.7	17.2	-5.5	PASS

Band Edge



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	113.672 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	73 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.06 dB	0.50 dB

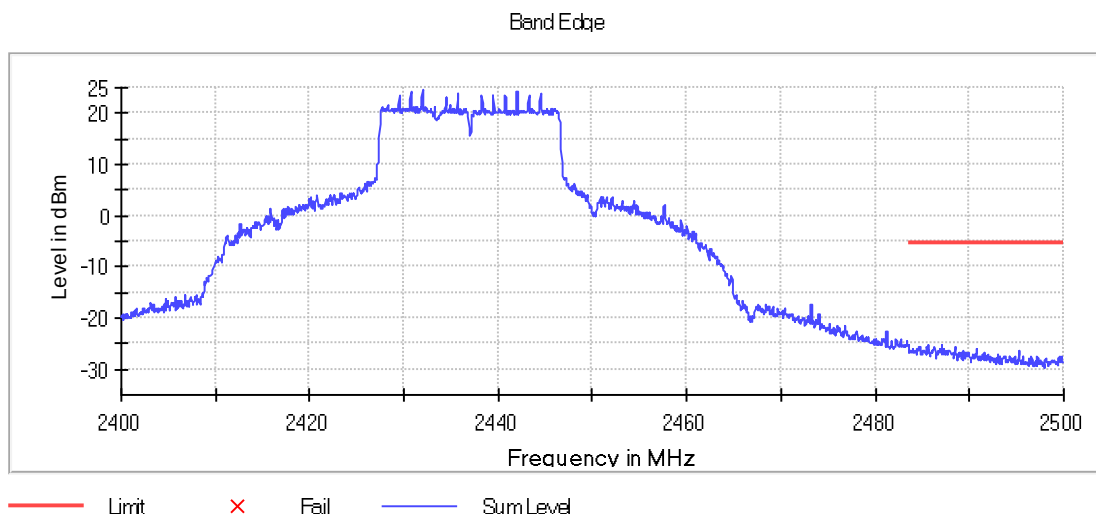
Band Edge high (2437 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
2437.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2485.675000	-25.1	19.6	-5.4	PASS
2483.525000	-25.2	19.8	-5.4	PASS
2485.625000	-25.3	19.8	-5.4	PASS
2487.025000	-25.4	20.0	-5.4	PASS
2488.475000	-25.5	20.0	-5.4	PASS
2485.475000	-25.5	20.1	-5.4	PASS
2485.425000	-25.5	20.1	-5.4	PASS
2484.725000	-25.5	20.1	-5.4	PASS
2486.325000	-25.6	20.1	-5.4	PASS
2486.225000	-25.6	20.2	-5.4	PASS
2484.625000	-25.6	20.2	-5.4	PASS
2487.075000	-25.6	20.2	-5.4	PASS
2486.275000	-25.6	20.2	-5.4	PASS
2483.575000	-25.8	20.3	-5.4	PASS
2484.675000	-25.8	20.3	-5.4	PASS



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
Sweptime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	80 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.14 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.48350 GHz	2.48350 GHz
Stop Frequency	2.50000 GHz	2.50000 GHz
Span	16.500 MHz	16.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	330	~ 330
Sweptime	18.945 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB

Trace Mode	Max Hold	Max Hold
Sweep type	FFT	AUTO
Preamp	off	off
Stable mode	Trace	Trace
Stable value	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Tx Spurious Emission (2437 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
2437.000000	PASS

Final measurements

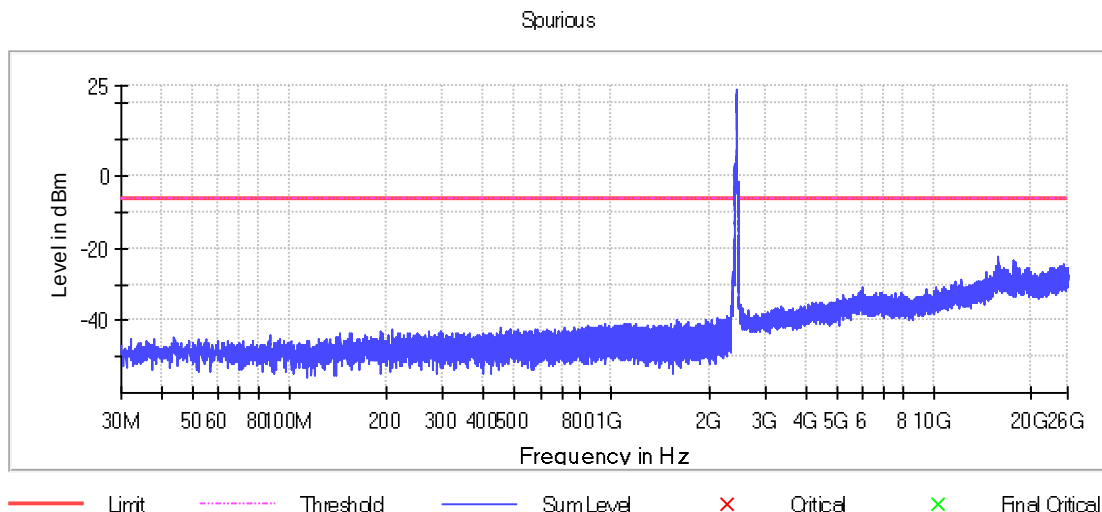
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2399.375000	-20.8	14.4	-6.3
2399.025000	-21.0	14.6	-6.3
2399.425000	-21.0	14.7	-6.3
2399.075000	-21.1	14.7	-6.3
2399.675000	-21.1	14.8	-6.3
2399.725000	-21.1	14.8	-6.3
2398.975000	-21.5	15.2	-6.3
2399.625000	-21.6	15.3	-6.3
2399.325000	-21.8	15.5	-6.3
2399.775000	-21.8	15.5	-6.3
2397.625000	-21.9	15.5	-6.3
2397.575000	-21.9	15.5	-6.3
2399.125000	-21.9	15.6	-6.3
2399.475000	-21.9	15.6	-6.3
15736.470821	-22.2	15.8	-6.3

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2350.000000	1	1
2350.000000	2483.500000	2	1
2483.500000	26000.000000	1	1



Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	≤ 100.000 kHz
VBW	300.000 kHz	≥ 300.000 kHz
SweepPoints	32001	~ 46400
SweepTime	32.100 ms	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	40.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	3	3
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	100.000 kHz	≤ 100.000 kHz
VBW	300.000 kHz	≥ 300.000 kHz
SweepPoints	2670	~ 2670
SweepTime	151.563 μ s	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	40.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	300	300
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

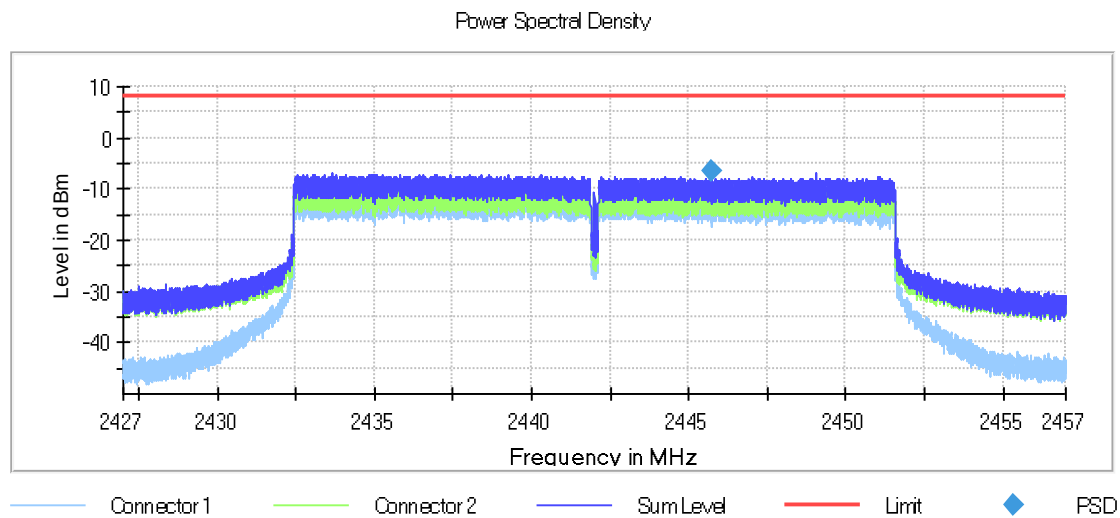
Power Spectral Density (2442 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2442.000000	2445.747750	-6.452	8.0	PASS

Ports

Port	State
1	used
2	used



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.42700 GHz	2.42700 GHz
Stop Frequency	2.45700 GHz	2.45700 GHz
Span	30.000 MHz	30.000 MHz
RBW	3.000 kHz	<= 3.000 kHz
VBW	10.000 kHz	>= 9.000 kHz
SweepPoints	20000	~ 20000
SweepTime	4.424 ms	AUTO
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	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

Band Edge low (2442 MHz; 24.000 dBm; 20 MHz)

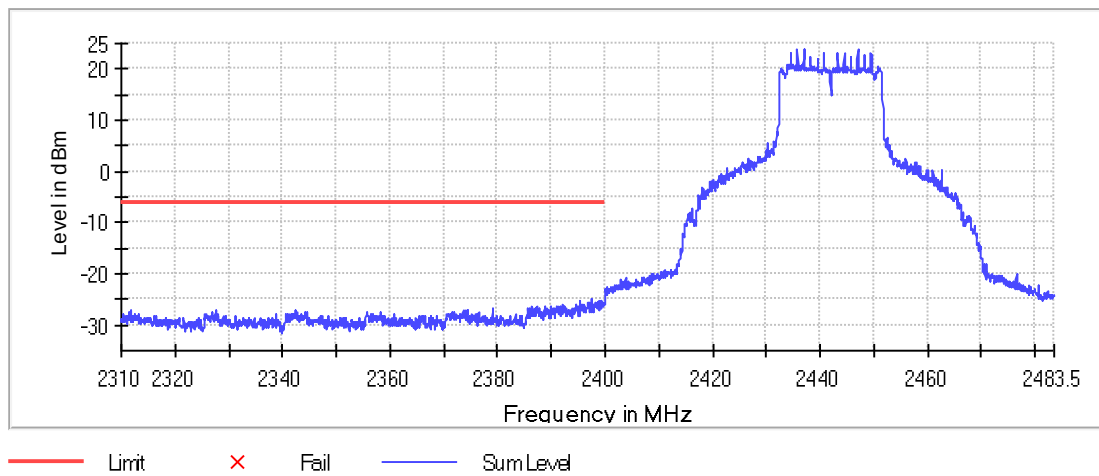
Result

DUT Frequency (MHz)	Result
2442.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.925000	-24.4	18.4	-5.9	PASS
2399.975000	-24.5	18.6	-5.9	PASS
2397.425000	-25.0	19.1	-5.9	PASS
2397.475000	-25.0	19.1	-5.9	PASS
2398.825000	-25.2	19.2	-5.9	PASS
2398.875000	-25.2	19.3	-5.9	PASS
2399.125000	-25.3	19.3	-5.9	PASS
2399.325000	-25.4	19.5	-5.9	PASS
2398.775000	-25.4	19.5	-5.9	PASS
2395.375000	-25.4	19.5	-5.9	PASS
2398.725000	-25.4	19.5	-5.9	PASS
2398.225000	-25.5	19.5	-5.9	PASS
2398.425000	-25.5	19.5	-5.9	PASS
2398.175000	-25.5	19.6	-5.9	PASS
2397.525000	-25.6	19.7	-5.9	PASS

Band Edge



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	113.672 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB

Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	83 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.22 dB	0.50 dB

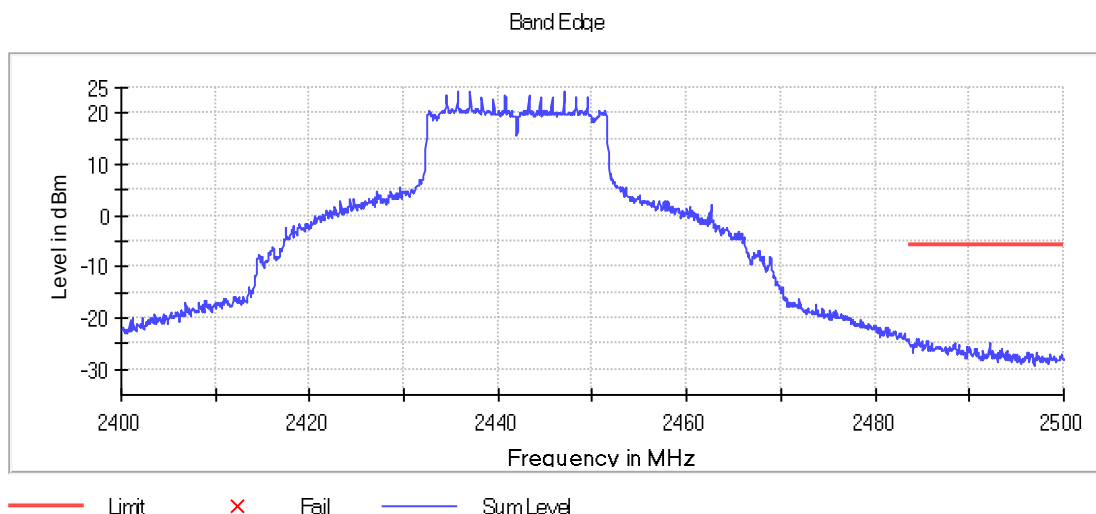
Band Edge high (2442 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
2442.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2484.425000	-24.2	18.5	-5.6	PASS
2484.625000	-24.3	18.7	-5.6	PASS
2484.375000	-24.4	18.7	-5.6	PASS
2484.475000	-24.4	18.8	-5.6	PASS
2485.525000	-24.6	18.9	-5.6	PASS
2485.475000	-24.6	19.0	-5.6	PASS
2484.575000	-24.6	19.0	-5.6	PASS
2484.925000	-24.7	19.0	-5.6	PASS
2484.975000	-24.7	19.1	-5.6	PASS
2484.175000	-24.7	19.1	-5.6	PASS
2484.125000	-24.8	19.2	-5.6	PASS
2483.675000	-24.8	19.2	-5.6	PASS
2484.675000	-24.8	19.2	-5.6	PASS
2484.825000	-24.8	19.2	-5.6	PASS
2483.525000	-24.8	19.2	-5.6	PASS



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
Sweptime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	49 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.26 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.48350 GHz	2.48350 GHz
Stop Frequency	2.50000 GHz	2.50000 GHz
Span	16.500 MHz	16.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	330	~ 330
Sweptime	18.945 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB

Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

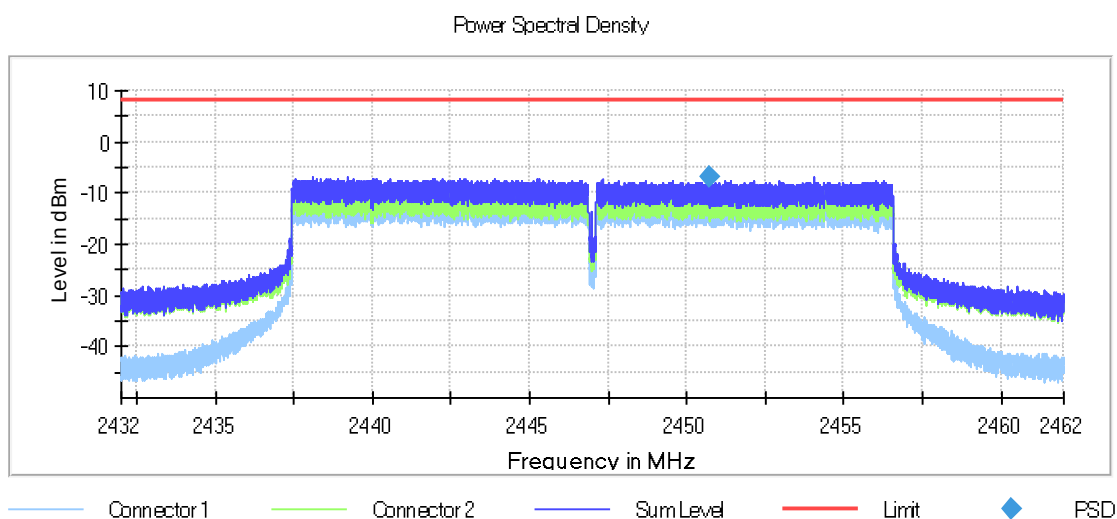
Power Spectral Density (2447 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2447.000000	2450.747750	-6.885	8.0	PASS

Ports

Port	State
1	used
2	used



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.43200 GHz	2.43200 GHz
Stop Frequency	2.46200 GHz	2.46200 GHz
Span	30.000 MHz	30.000 MHz
RBW	3.000 kHz	<= 3.000 kHz
VBW	10.000 kHz	>= 9.000 kHz
SweepPoints	20000	~ 20000
SweepTime	4.424 ms	AUTO
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	Average Power	Average Power

Sweep type	FFT	AUTO
Preamp	off	off

Band Edge low (2447 MHz; 24.000 dBm; 20 MHz)

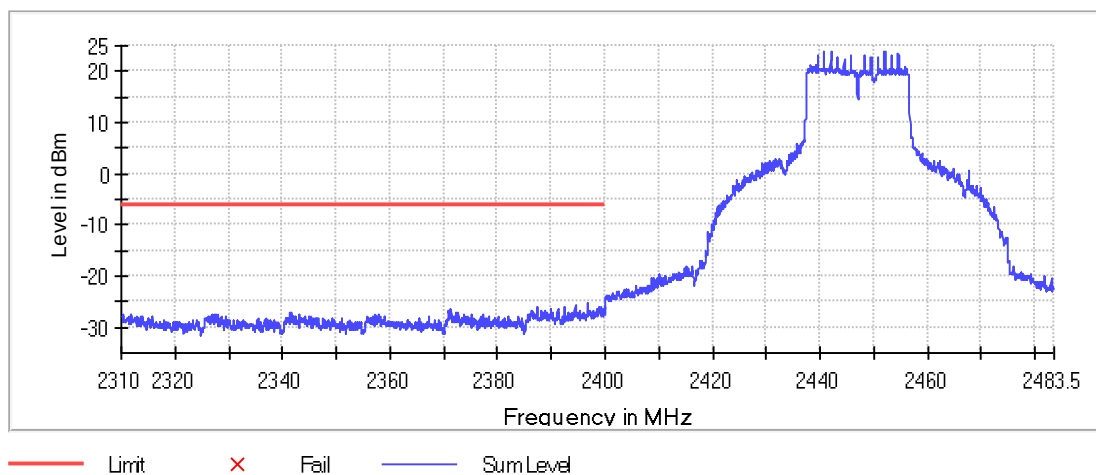
Result

DUT Frequency (MHz)	Result
2447.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2396.775000	-25.3	19.3	-5.9	PASS
2396.725000	-25.4	19.5	-5.9	PASS
2394.425000	-25.6	19.7	-5.9	PASS
2394.475000	-26.0	20.0	-5.9	PASS
2399.875000	-26.1	20.1	-5.9	PASS
2392.375000	-26.1	20.1	-5.9	PASS
2387.375000	-26.1	20.1	-5.9	PASS
2387.425000	-26.1	20.2	-5.9	PASS
2399.025000	-26.1	20.2	-5.9	PASS
2399.125000	-26.2	20.2	-5.9	PASS
2399.175000	-26.2	20.3	-5.9	PASS
2399.825000	-26.3	20.3	-5.9	PASS
2399.775000	-26.3	20.3	-5.9	PASS
2398.975000	-26.4	20.4	-5.9	PASS
2391.175000	-26.4	20.4	-5.9	PASS

Band Edge



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz

SweepPoints	1800	~ 1800
SweepTime	113.672 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	$\leq$ 100.000 kHz
VBW	300.000 kHz	$\geq$ 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	76 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.50 dB	0.50 dB

Band Edge high (2447 MHz; 24.000 dBm; 20 MHz)

Result

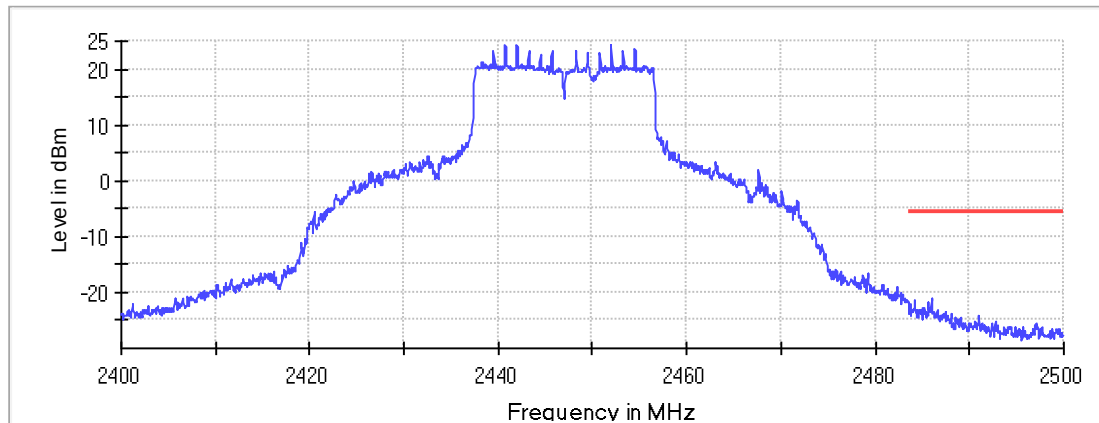
DUT Frequency (MHz)	Result
2447.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2486.025000	-21.2	15.5	-5.7	PASS
2485.975000	-21.3	15.6	-5.7	PASS
2484.225000	-21.3	15.7	-5.7	PASS
2484.175000	-21.6	15.9	-5.7	PASS
2486.075000	-21.7	16.1	-5.7	PASS
2485.625000	-21.9	16.2	-5.7	PASS
2483.675000	-21.9	16.3	-5.7	PASS
2485.675000	-22.0	16.3	-5.7	PASS

2483.625000	-22.1	16.4	-5.7	PASS
2483.725000	-22.2	16.5	-5.7	PASS
2485.825000	-22.7	17.1	-5.7	PASS
2484.125000	-22.8	17.1	-5.7	PASS
2483.575000	-22.8	17.1	-5.7	PASS
2485.075000	-22.8	17.2	-5.7	PASS
2485.125000	-22.9	17.3	-5.7	PASS

Band Edge



— Limit × Fail — SumLevel

Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 µs	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	52 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.43 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.48350 GHz	2.48350 GHz
Stop Frequency	2.50000 GHz	2.50000 GHz
Span	16.500 MHz	16.500 MHz
RBW	100.000 kHz	<= 100.000 kHz

VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	330	~ 330
SweepTime	18.945 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

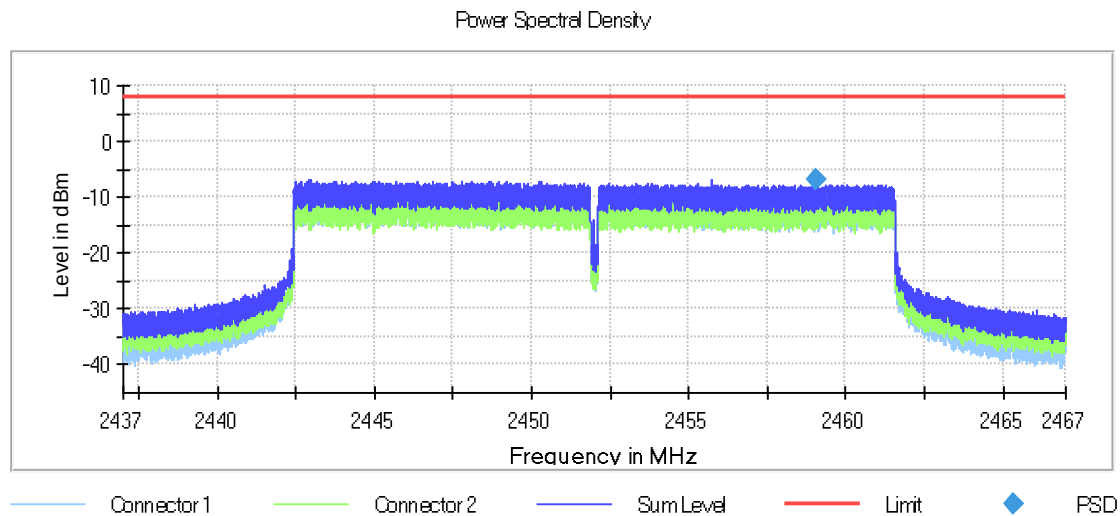
Power Spectral Density (2452 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2452.000000	2459.025250	-6.702	8.0	PASS

Ports

Port	State
1	used
2	used



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.43700 GHz	2.43700 GHz
Stop Frequency	2.46700 GHz	2.46700 GHz
Span	30.000 MHz	30.000 MHz
RBW	3.000 kHz	<= 3.000 kHz
VBW	10.000 kHz	>= 9.000 kHz

SweepPoints	20000	~ 20000
Sweeptime	4.424 ms	AUTO
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	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

Band Edge low (2452 MHz; 24.000 dBm; 20 MHz)

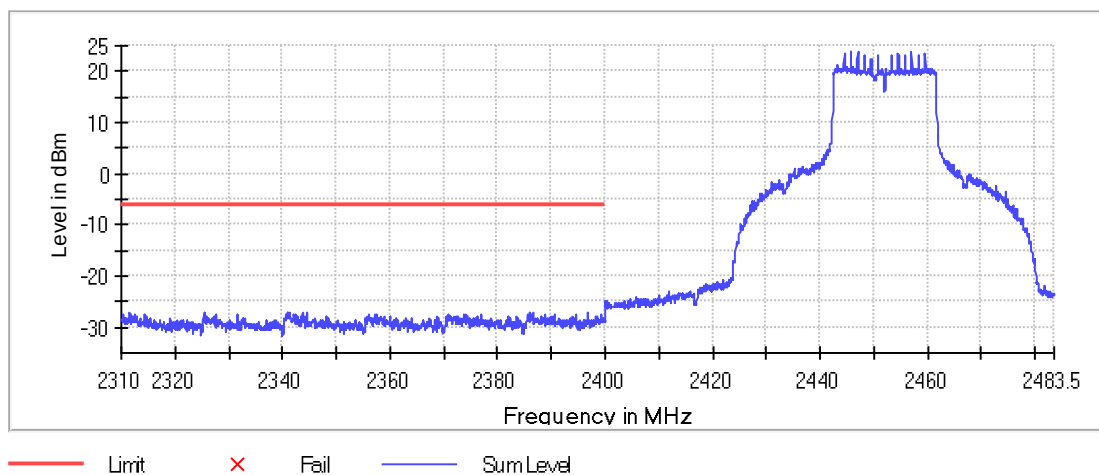
Result

DUT Frequency (MHz)	Result
2452.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2340.875000	-27.0	21.1	-5.9	PASS
2341.375000	-27.1	21.1	-5.9	PASS
2340.925000	-27.1	21.2	-5.9	PASS
2341.125000	-27.2	21.2	-5.9	PASS
2341.425000	-27.2	21.2	-5.9	PASS
2396.825000	-27.2	21.3	-5.9	PASS
2311.575000	-27.2	21.3	-5.9	PASS
2386.025000	-27.2	21.3	-5.9	PASS
2341.075000	-27.3	21.3	-5.9	PASS
2344.625000	-27.3	21.3	-5.9	PASS
2386.525000	-27.3	21.3	-5.9	PASS
2325.375000	-27.3	21.4	-5.9	PASS
2343.675000	-27.3	21.4	-5.9	PASS
2340.825000	-27.3	21.4	-5.9	PASS
2396.875000	-27.3	21.4	-5.9	PASS

Band Edge



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	113.672 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	73 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.40 dB	0.50 dB

Band Edge high (2452 MHz; 24.000 dBm; 20 MHz)

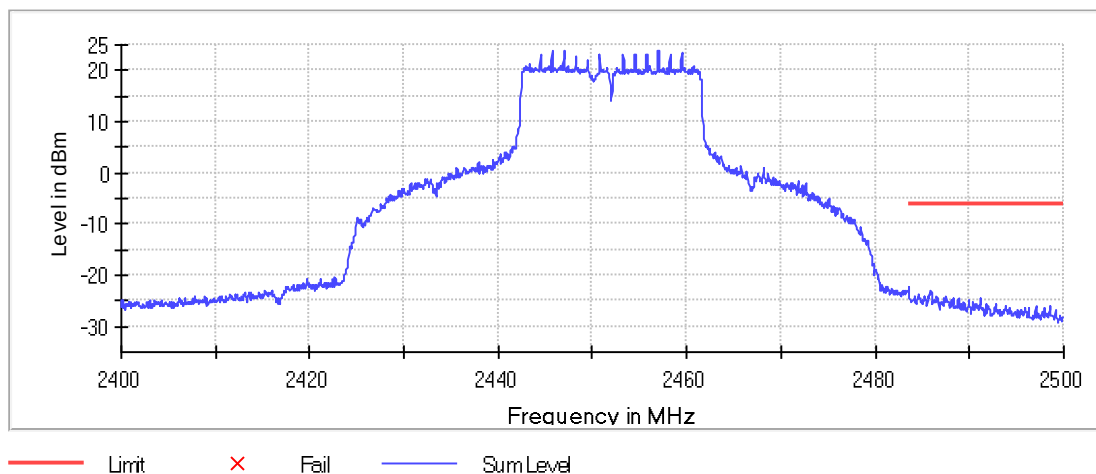
Result

DUT Frequency (MHz)	Result
2452.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2483.525000	-22.2	16.2	-6.0	PASS
2483.575000	-22.2	16.3	-6.0	PASS
2485.925000	-22.9	17.0	-6.0	PASS
2485.775000	-23.3	17.3	-6.0	PASS
2485.975000	-23.3	17.3	-6.0	PASS
2485.825000	-23.5	17.5	-6.0	PASS
2483.625000	-23.8	17.8	-6.0	PASS
2485.875000	-23.8	17.8	-6.0	PASS
2484.625000	-23.9	18.0	-6.0	PASS
2485.225000	-23.9	18.0	-6.0	PASS
2485.725000	-24.0	18.0	-6.0	PASS
2485.625000	-24.0	18.1	-6.0	PASS
2484.225000	-24.2	18.2	-6.0	PASS
2484.525000	-24.2	18.3	-6.0	PASS
2487.575000	-24.2	18.3	-6.0	PASS

Band Edge



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
Sweptime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm

Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	70 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.48350 GHz	2.48350 GHz
Stop Frequency	2.50000 GHz	2.50000 GHz
Span	16.500 MHz	16.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	330	~ 330
SweepTime	18.945 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

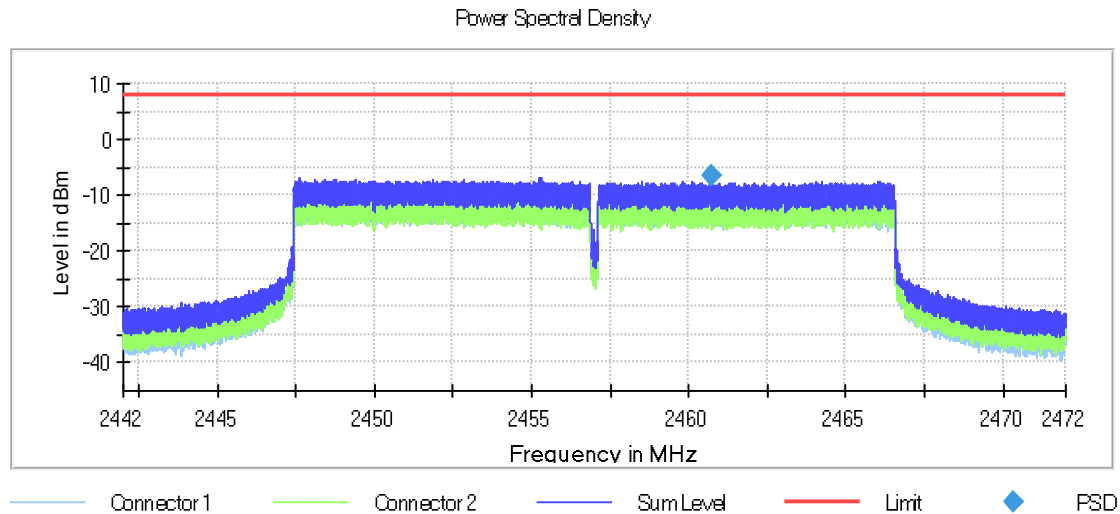
Power Spectral Density (2457 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2457.000000	2460.741750	-6.634	8.0	PASS

Ports

Port	State
1	used
2	used



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44200 GHz	2.44200 GHz
Stop Frequency	2.47200 GHz	2.47200 GHz
Span	30.000 MHz	30.000 MHz
RBW	3.000 kHz	<= 3.000 kHz
VBW	10.000 kHz	>= 9.000 kHz
SweepPoints	20000	~ 20000
SweepTime	4.424 ms	AUTO
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	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

Band Edge low (2457 MHz; 24.000 dBm; 20 MHz)

Result

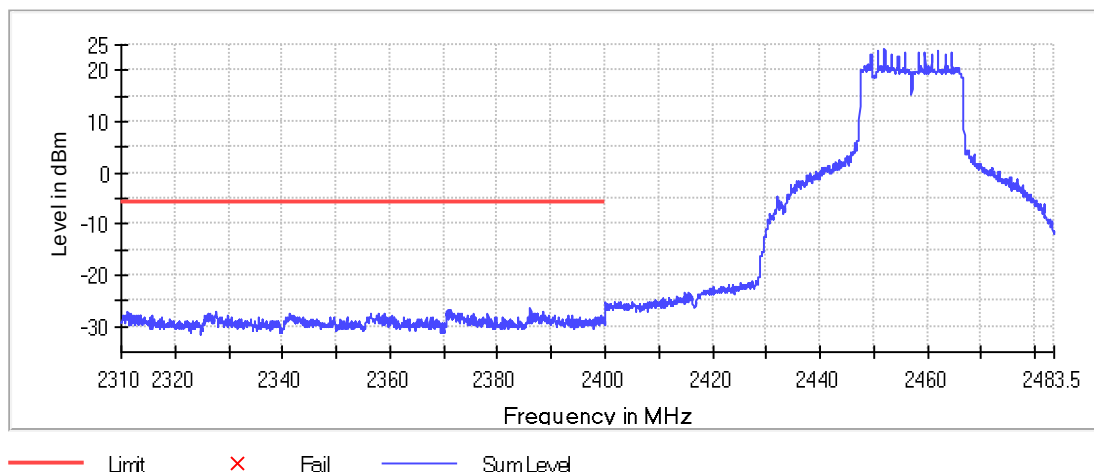
DUT Frequency (MHz)	Result
2457.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2386.125000	-26.5	20.7	-5.8	PASS
2370.675000	-26.7	20.9	-5.8	PASS
2371.325000	-26.8	21.0	-5.8	PASS
2371.275000	-26.9	21.1	-5.8	PASS
2371.125000	-26.9	21.1	-5.8	PASS
2370.625000	-27.0	21.2	-5.8	PASS
2386.175000	-27.0	21.2	-5.8	PASS
2327.725000	-27.1	21.3	-5.8	PASS
2388.525000	-27.1	21.3	-5.8	PASS

2386.075000	-27.1	21.3	-5.8	PASS
2311.225000	-27.3	21.5	-5.8	PASS
2378.175000	-27.3	21.5	-5.8	PASS
2370.525000	-27.3	21.5	-5.8	PASS
2356.375000	-27.4	21.6	-5.8	PASS
2387.425000	-27.4	21.6	-5.8	PASS

Band Edge



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	113.672 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz

SweepPoints	1670	~ 1670
Sweeptime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	80 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.07 dB	0.50 dB

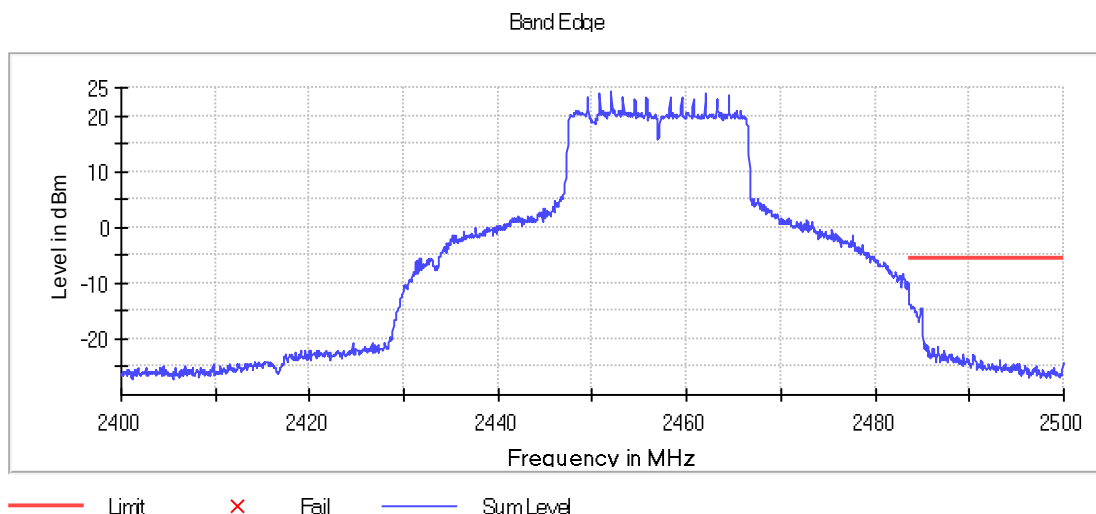
Band Edge high (2457 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
2457.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2483.525000	-12.3	6.6	-5.7	PASS
2483.575000	-12.8	7.1	-5.7	PASS
2483.625000	-13.5	7.8	-5.7	PASS
2483.725000	-13.8	8.0	-5.7	PASS
2483.675000	-13.8	8.1	-5.7	PASS
2483.825000	-14.0	8.3	-5.7	PASS
2483.775000	-14.0	8.3	-5.7	PASS
2483.925000	-14.0	8.3	-5.7	PASS
2483.975000	-14.1	8.4	-5.7	PASS
2484.075000	-14.2	8.5	-5.7	PASS
2484.125000	-14.4	8.6	-5.7	PASS
2484.025000	-14.4	8.7	-5.7	PASS
2484.875000	-14.4	8.7	-5.7	PASS
2484.825000	-14.4	8.7	-5.7	PASS
2483.875000	-14.4	8.7	-5.7	PASS



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
Sweptime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	61 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.47 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.48350 GHz	2.48350 GHz
Stop Frequency	2.50000 GHz	2.50000 GHz
Span	16.500 MHz	16.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	330	~ 330
Sweptime	18.945 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB

Trace Mode	Max Hold	Max Hold
Sweep type	FFT	AUTO
Preamp	off	off
Stable mode	Trace	Trace
Stable value	0.50 dB	0.50 dB
Run	6 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

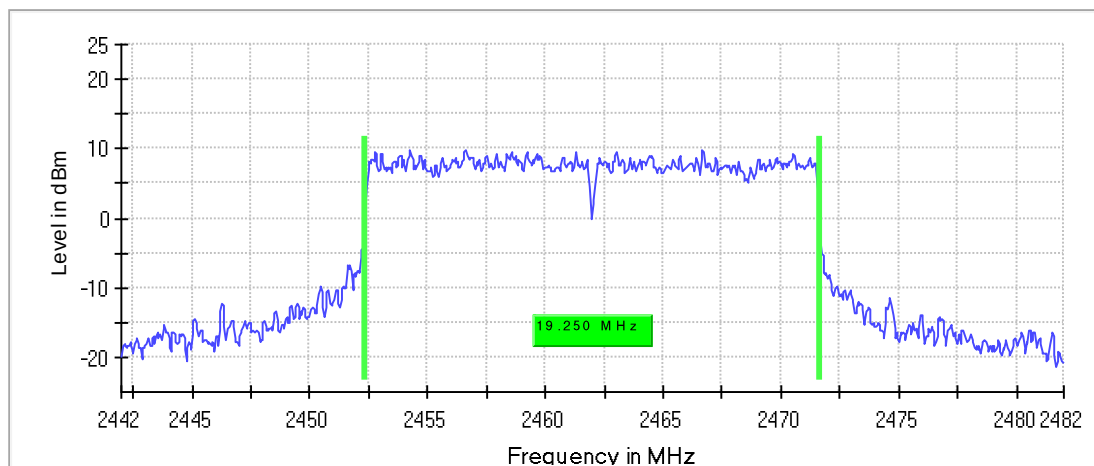
Minimum Emission Bandwidth 6 dB (2462 MHz; 24.000 dBm; 20 MHz)

6 dB Bandwidth

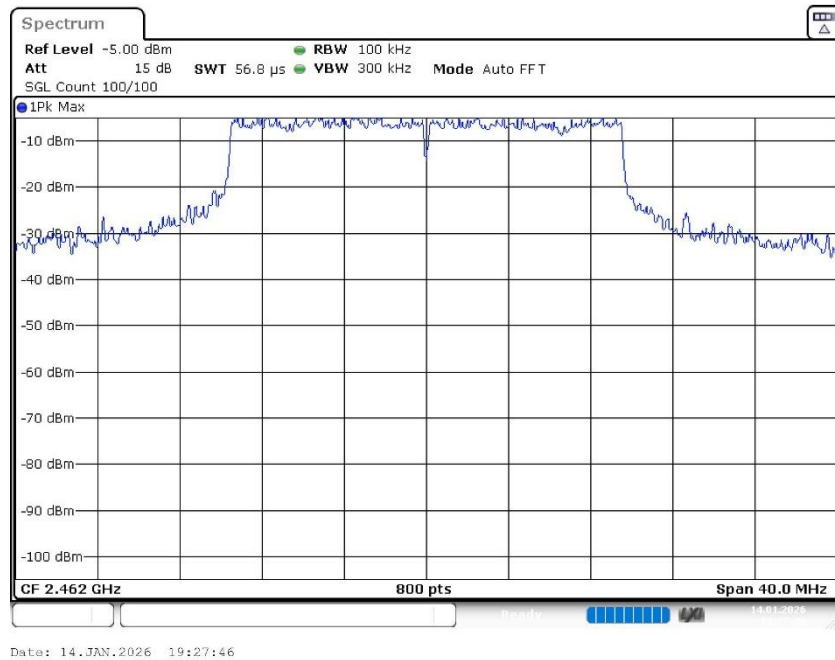
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	19.250000	0.500000	---	2452.375000	2471.625000

DUT Frequency (MHz)	Max Level (dBm)	Result
2462.000000	9.8	PASS

6 dB Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44200 GHz	2.44200 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
Sweptime	56.836 μ s	AUTO
Reference Level	-5.000 dBm	-5.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

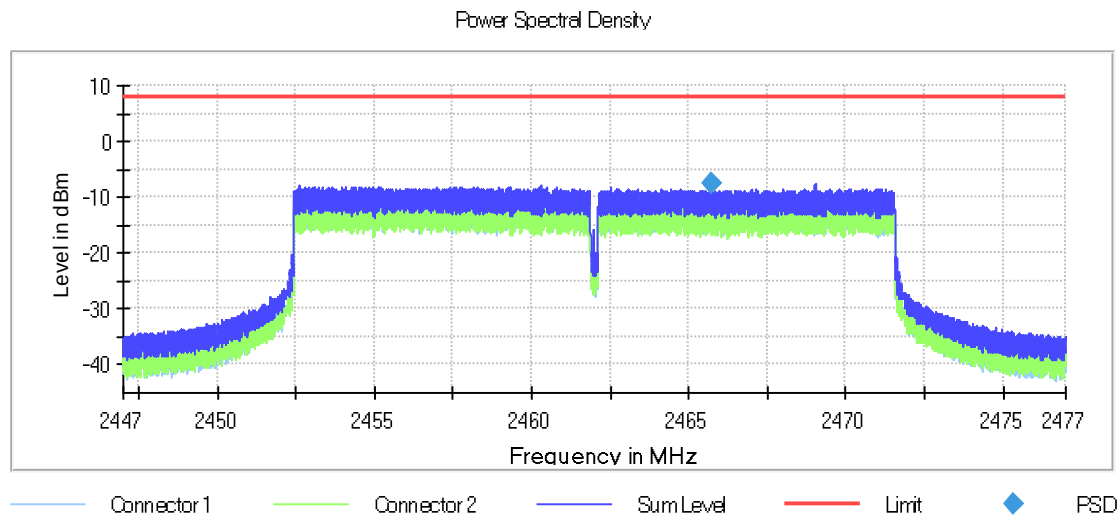
Power Spectral Density (2462 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2462.000000	2465.741750	-7.457	8.0	PASS

Ports

Port	State
1	used
2	used



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44700 GHz	2.44700 GHz
Stop Frequency	2.47700 GHz	2.47700 GHz
Span	30.000 MHz	30.000 MHz
RBW	3.000 kHz	<= 3.000 kHz
VBW	10.000 kHz	>= 9.000 kHz
SweepPoints	20000	~ 20000
SweepTime	4.424 ms	AUTO
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	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

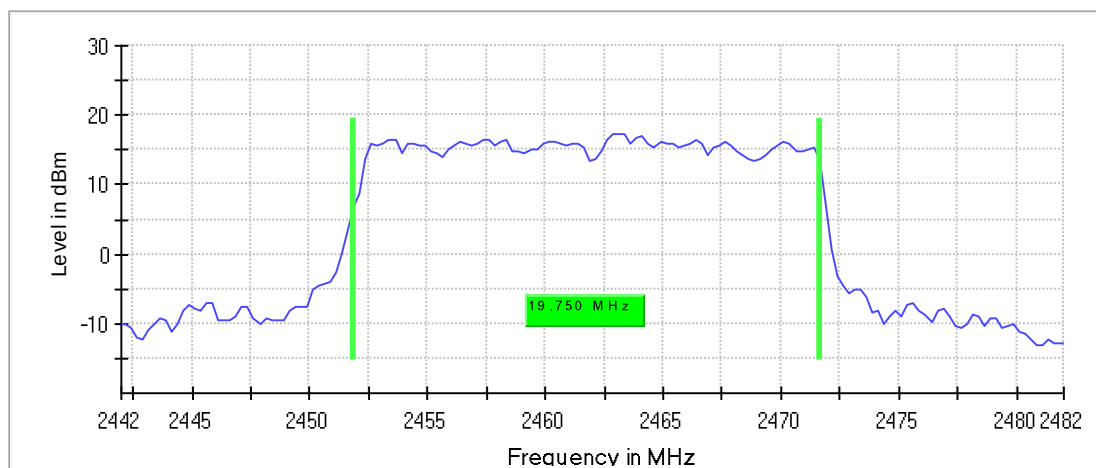
Occupied Channel Bandwidth 99% (2462 MHz; 24.000 dBm; 20 MHz)

99 % Bandwidth

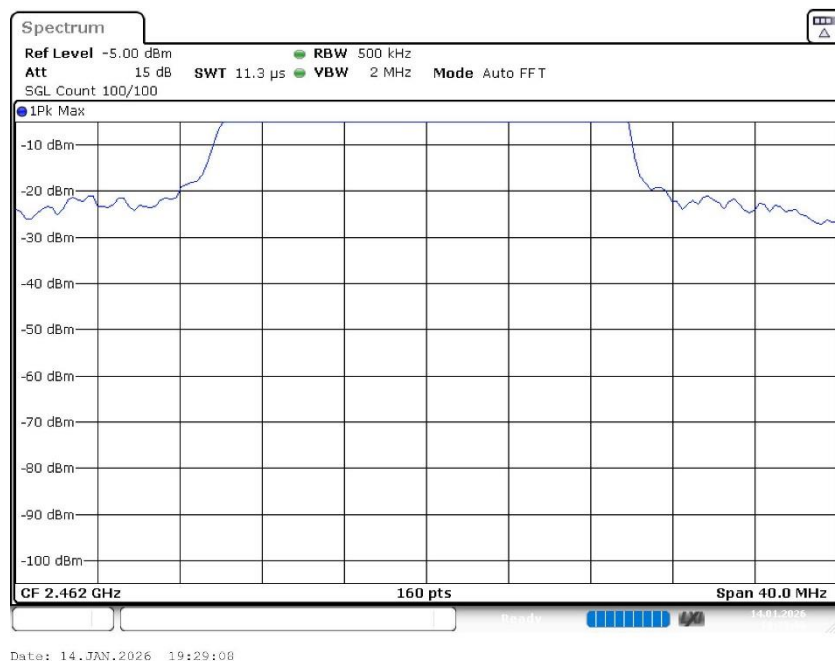
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	19.750000	---	---	2451.875000	2471.625000

DUT Frequency (MHz)	Result
2462.000000	PASS

99 %Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44200 GHz	2.44200 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	≥ 500.000 kHz
VBW	2.000 MHz	≥ 1.500 MHz
SweepPoints	160	~ 160
Sweeptime	11.344 μ s	AUTO
Reference Level	-5.000 dBm	-5.000 dBm

Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

Band Edge low (2462 MHz; 24.000 dBm; 20 MHz)

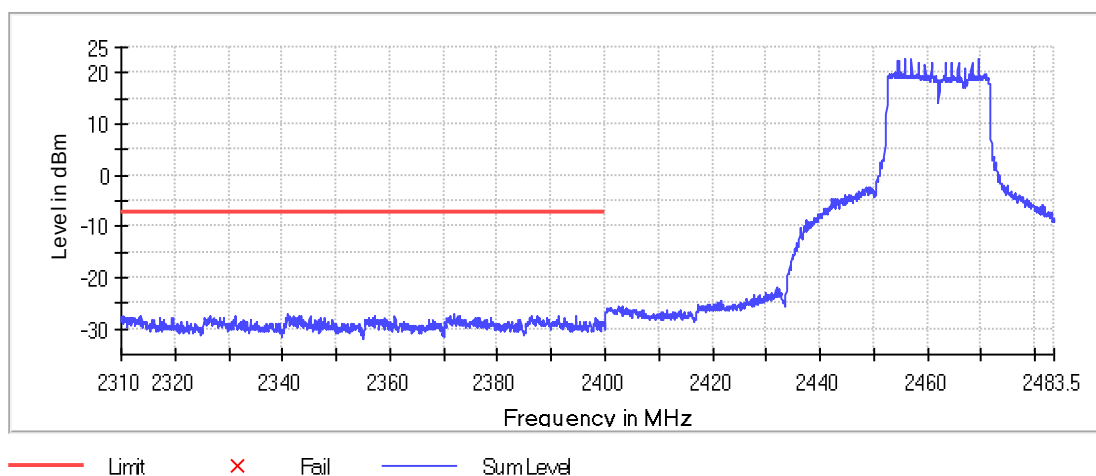
Result

DUT Frequency (MHz)	Result
2462.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2371.925000	-27.2	20.0	-7.2	PASS
2340.875000	-27.2	20.0	-7.2	PASS
2371.225000	-27.3	20.2	-7.2	PASS
2387.325000	-27.4	20.2	-7.2	PASS
2343.425000	-27.4	20.2	-7.2	PASS
2342.175000	-27.4	20.2	-7.2	PASS
2387.275000	-27.4	20.3	-7.2	PASS
2391.425000	-27.4	20.3	-7.2	PASS
2387.375000	-27.5	20.3	-7.2	PASS
2331.175000	-27.5	20.3	-7.2	PASS
2310.025000	-27.5	20.3	-7.2	PASS
2310.000000	-27.5	20.3	-7.2	PASS
2313.425000	-27.5	20.3	-7.2	PASS
2391.475000	-27.5	20.4	-7.2	PASS
2341.275000	-27.5	20.4	-7.2	PASS

Band Edge



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	113.672 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	89 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.37 dB	0.50 dB

Band Edge high (2462 MHz; 24.000 dBm; 20 MHz)

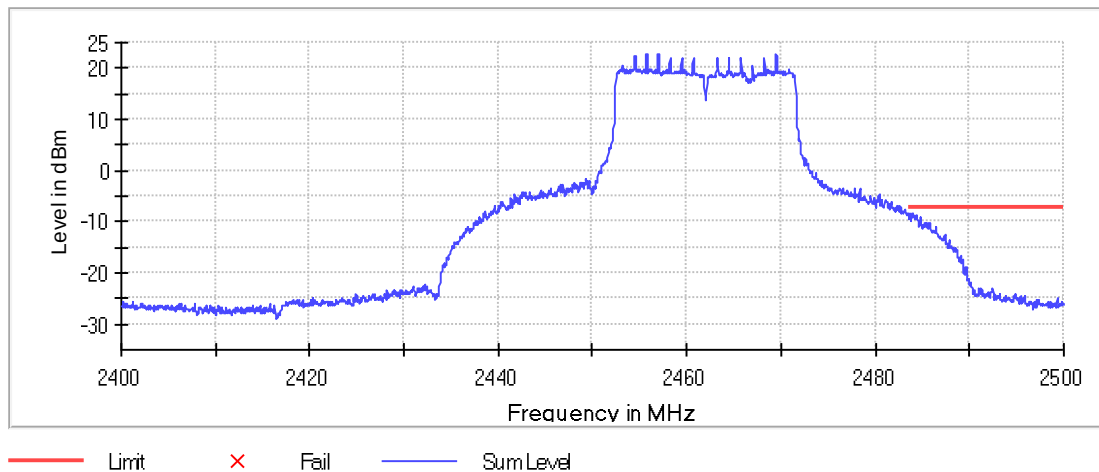
Result

DUT Frequency (MHz)	Result
2462.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2483.725000	-8.5	1.4	-7.2	PASS
2483.975000	-8.5	1.4	-7.2	PASS
2484.375000	-8.6	1.5	-7.2	PASS
2483.925000	-8.8	1.7	-7.2	PASS
2483.675000	-8.8	1.7	-7.2	PASS
2484.425000	-8.9	1.7	-7.2	PASS
2484.125000	-8.9	1.8	-7.2	PASS
2484.075000	-9.0	1.8	-7.2	PASS
2484.025000	-9.1	1.9	-7.2	PASS
2483.775000	-9.2	2.0	-7.2	PASS
2484.775000	-9.2	2.0	-7.2	PASS
2484.175000	-9.2	2.1	-7.2	PASS
2484.275000	-9.3	2.1	-7.2	PASS
2484.475000	-9.3	2.2	-7.2	PASS
2484.225000	-9.4	2.2	-7.2	PASS

Band Edge



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	79 / max. 150	max. 150
Stable	3 / 3	3

Max Stable Difference	0.11 dB	0.50 dB
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Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.48350 GHz	2.48350 GHz
Stop Frequency	2.50000 GHz	2.50000 GHz
Span	16.500 MHz	16.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	330	~ 330
SweepTime	18.945 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	38 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.19 dB	0.50 dB

Tx Spurious Emission (2462 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
2462.000000	PASS

Final measurements

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

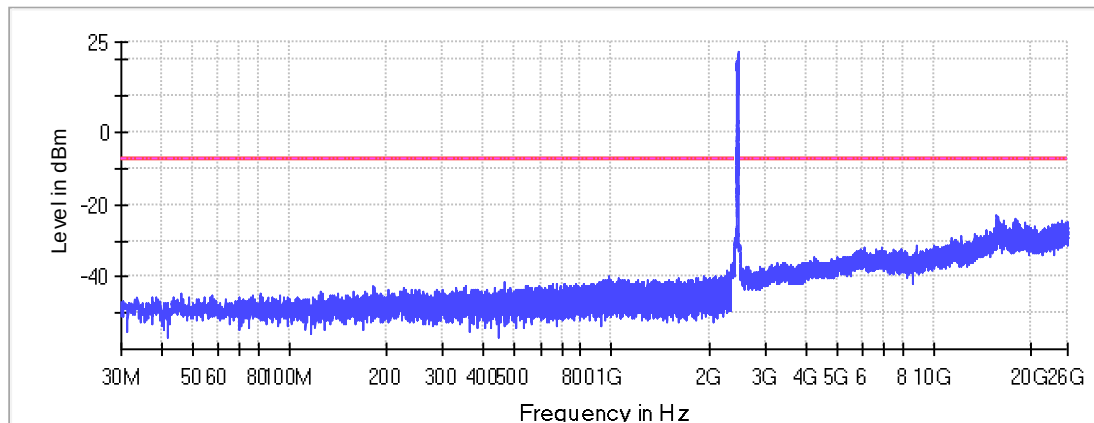
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2486.806904	-15.0	7.5	-7.5
2483.867434	-15.3	7.9	-7.5
2484.602301	-15.7	8.3	-7.5
2485.337169	-16.7	9.3	-7.5
2486.072037	-16.9	9.4	-7.5
2487.541772	-20.0	12.6	-7.5
2488.276640	-20.2	12.7	-7.5
15691.643894	-22.9	15.4	-7.5
15715.159659	-23.3	15.9	-7.5
15701.932041	-23.4	16.0	-7.5
15742.349763	-23.4	16.0	-7.5
2489.011507	-23.4	16.0	-7.5
15723.243203	-23.6	16.1	-7.5
15735.001086	-23.6	16.1	-7.5
15726.917542	-23.7	16.2	-7.5

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2350.000000	1	1
2350.000000	2483.500000	2	1
2483.500000	26000.000000	1	1

Spurious



— Limit — Threshold — SumLevel × Critical × Final Critical

Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	32001	~ 46400
SweepTime	32.100 ms	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	40.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	3	3
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	2670	~ 2670
SweepTime	151.563 μ s	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	40.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	300	300
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO

Preamp	off	off
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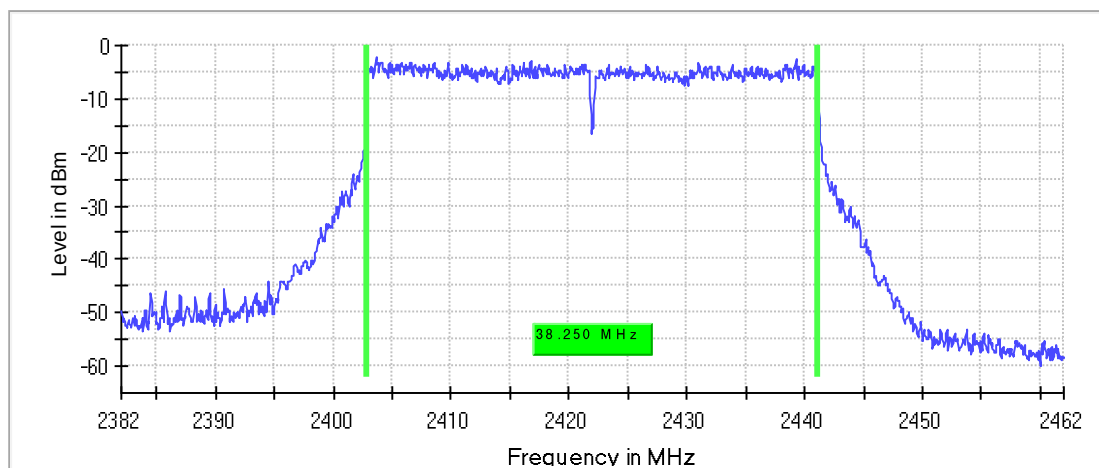
Minimum Emission Bandwidth 6 dB (2422 MHz; 24.000 dBm; 40 MHz)

6 dB Bandwidth

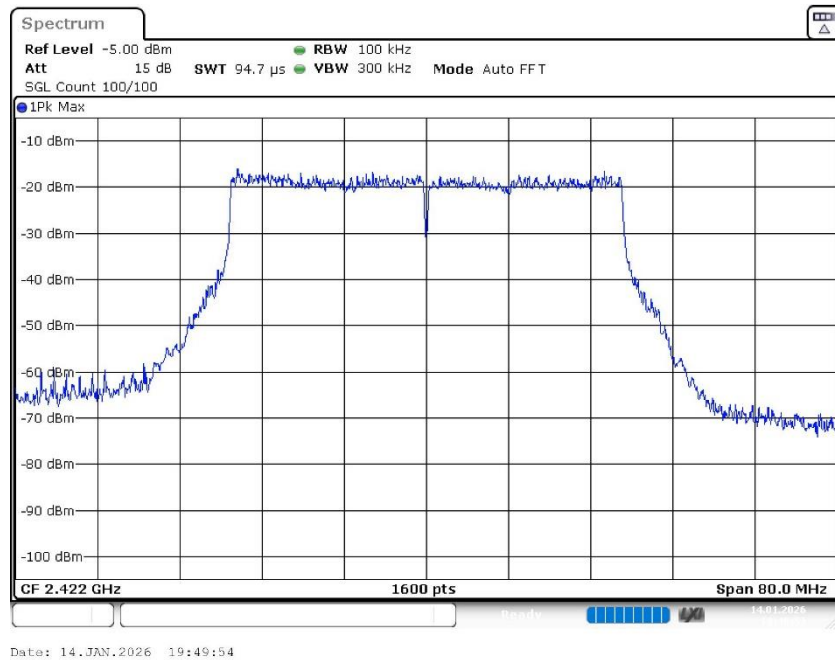
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2422.000000	38.250000	0.500000	---	2402.875000	2441.125000

DUT Frequency (MHz)	Max Level (dBm)	Result
2422.000000	-2.1	PASS

6 dB Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.38200 GHz	2.38200 GHz
Stop Frequency	2.46200 GHz	2.46200 GHz
Span	80.000 MHz	80.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	1600	~ 1600
Sweptime	94.727 μ s	AUTO
Reference Level	-5.000 dBm	-5.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

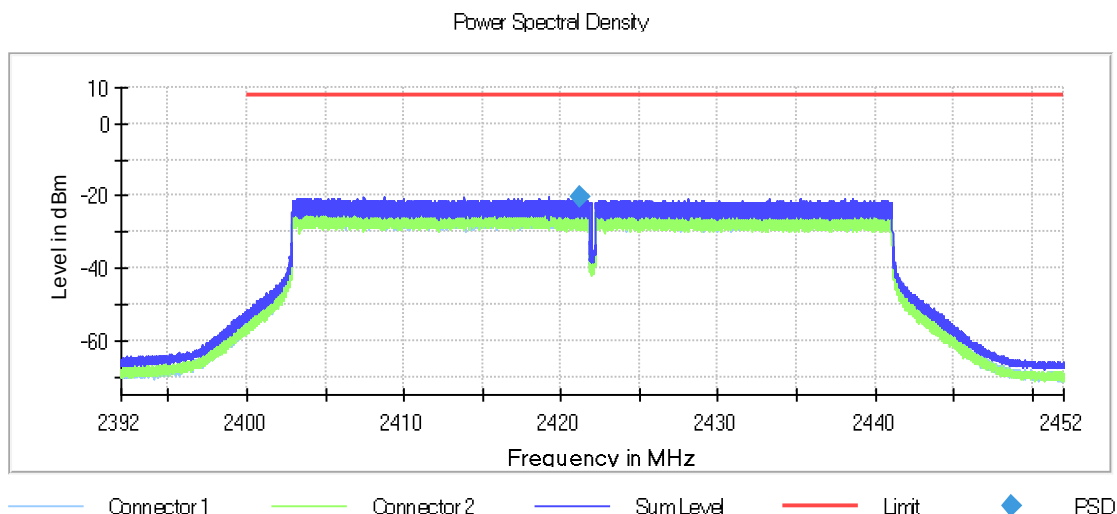
Power Spectral Density (2422 MHz; 24.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2422.000000	2421.210650	-20.035	8.0	PASS

Ports

Port	State
1	used
2	used



Measurement

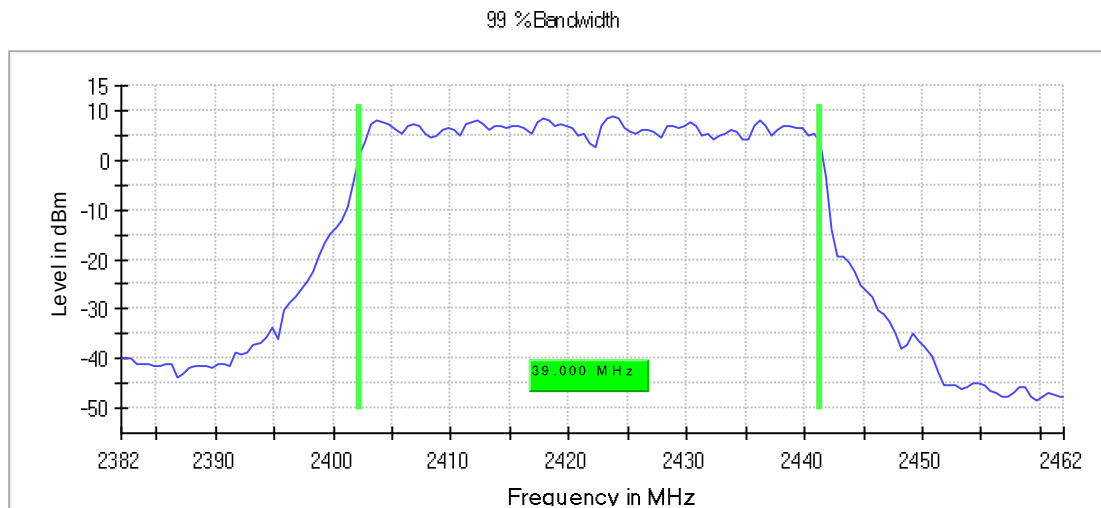
Setting	Instrument Value	Target Value
Start Frequency	2.39200 GHz	2.39200 GHz
Stop Frequency	2.45200 GHz	2.45200 GHz
Span	60.000 MHz	60.000 MHz
RBW	3.000 kHz	<= 3.000 kHz
VBW	10.000 kHz	>= 9.000 kHz
SweepPoints	32001	~ 40000
SweepTime	8.849 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

Occupied Channel Bandwidth 99% (2422 MHz; 24.000 dBm; 40 MHz)

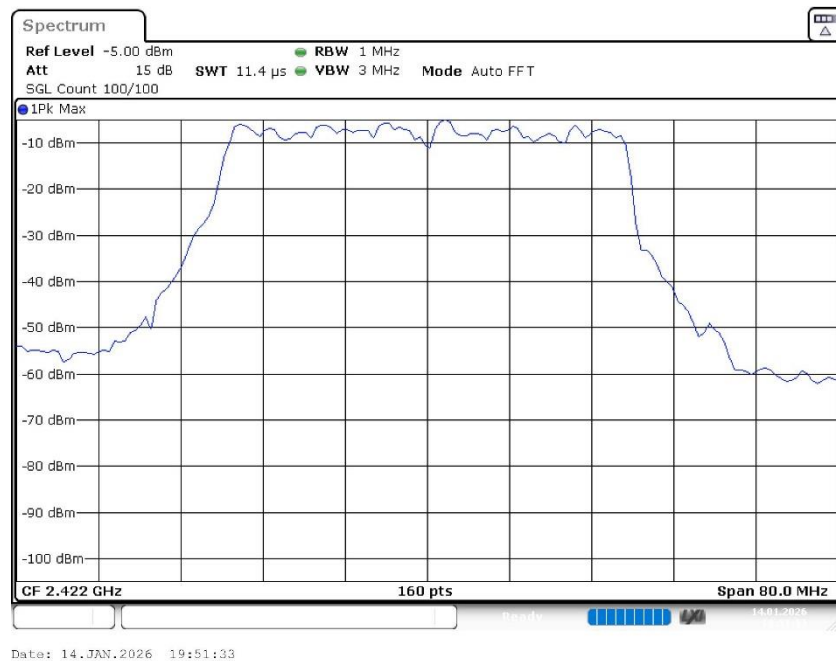
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2422.000000	39.000000	---	---	2402.250000	2441.250000

DUT Frequency (MHz)	Result
2422.000000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.38200 GHz	2.38200 GHz
Stop Frequency	2.46200 GHz	2.46200 GHz
Span	80.000 MHz	80.000 MHz
RBW	1.000 MHz	>= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	160	~ 160
Sweptime	11.438 μ s	AUTO
Reference Level	-5.000 dBm	-5.000 dBm

Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

Band Edge low (2422 MHz; 24.000 dBm; 40 MHz)

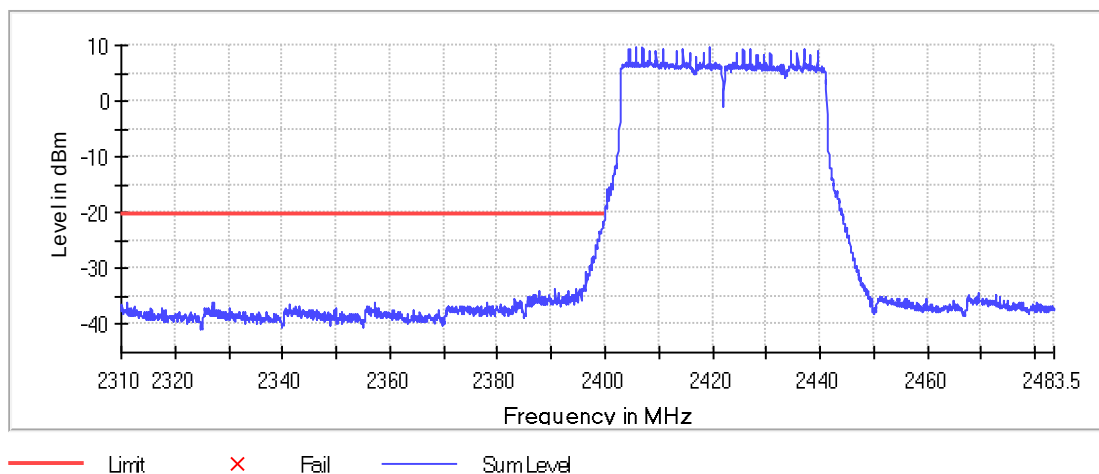
Result

DUT Frequency (MHz)	Result
2422.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.975000	-20.8	0.4	-20.3	PASS
2399.925000	-20.8	0.5	-20.3	PASS
2399.875000	-21.1	0.8	-20.3	PASS
2399.825000	-21.4	1.1	-20.3	PASS
2399.725000	-21.6	1.3	-20.3	PASS
2399.775000	-21.7	1.4	-20.3	PASS
2399.575000	-21.8	1.4	-20.3	PASS
2399.525000	-21.9	1.6	-20.3	PASS
2399.625000	-22.0	1.7	-20.3	PASS
2399.675000	-22.2	1.9	-20.3	PASS
2399.475000	-22.7	2.4	-20.3	PASS
2399.425000	-22.8	2.5	-20.3	PASS
2399.225000	-23.0	2.7	-20.3	PASS
2399.375000	-23.1	2.7	-20.3	PASS
2399.275000	-23.1	2.8	-20.3	PASS

Band Edge



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	113.672 μ s	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	11 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 μ s	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	111 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.42 dB	0.50 dB

Band Edge high (2422 MHz; 24.000 dBm; 40 MHz)

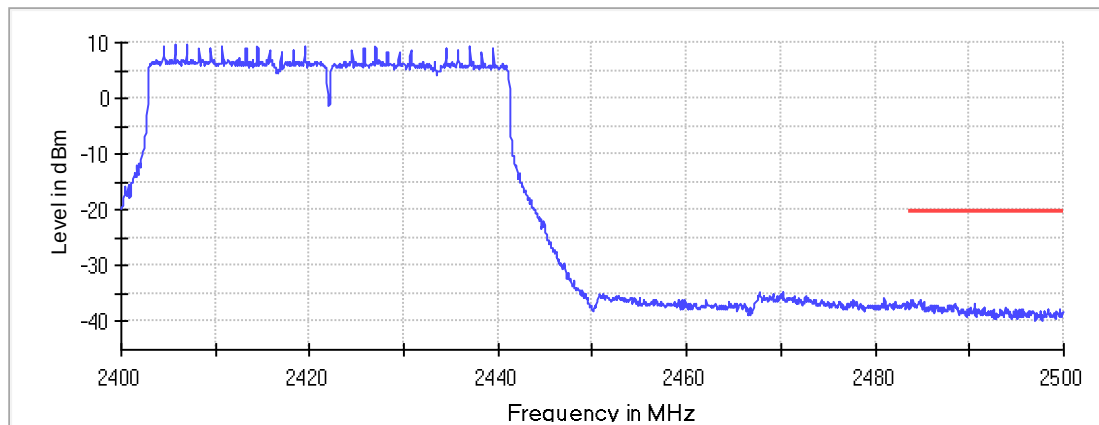
Result

DUT Frequency (MHz)	Result
2422.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2484.825000	-36.0	15.6	-20.4	PASS
2483.825000	-36.0	15.7	-20.4	PASS
2484.775000	-36.0	15.7	-20.4	PASS
2484.025000	-36.0	15.7	-20.4	PASS
2483.875000	-36.1	15.8	-20.4	PASS
2484.075000	-36.2	15.8	-20.4	PASS
2483.925000	-36.3	15.9	-20.4	PASS
2484.675000	-36.4	16.0	-20.4	PASS
2485.125000	-36.4	16.0	-20.4	PASS
2484.625000	-36.6	16.2	-20.4	PASS
2484.575000	-36.6	16.2	-20.4	PASS
2485.075000	-36.6	16.2	-20.4	PASS
2484.725000	-36.7	16.3	-20.4	PASS
2490.525000	-36.7	16.3	-20.4	PASS
2484.225000	-36.8	16.5	-20.4	PASS

Band Edge



— Limit × Fail — SumLevel

Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 μs	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	118 / max. 150	max. 150
Stable	3 / 3	3

Max Stable Difference	0.14 dB	0.50 dB
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Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.48350 GHz	2.48350 GHz
Stop Frequency	2.50000 GHz	2.50000 GHz
Span	16.500 MHz	16.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	330	~ 330
SweepTime	18.945 μ s	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Tx Spurious Emission (2422 MHz; 24.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Result
2422.000000	PASS

Final measurements

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

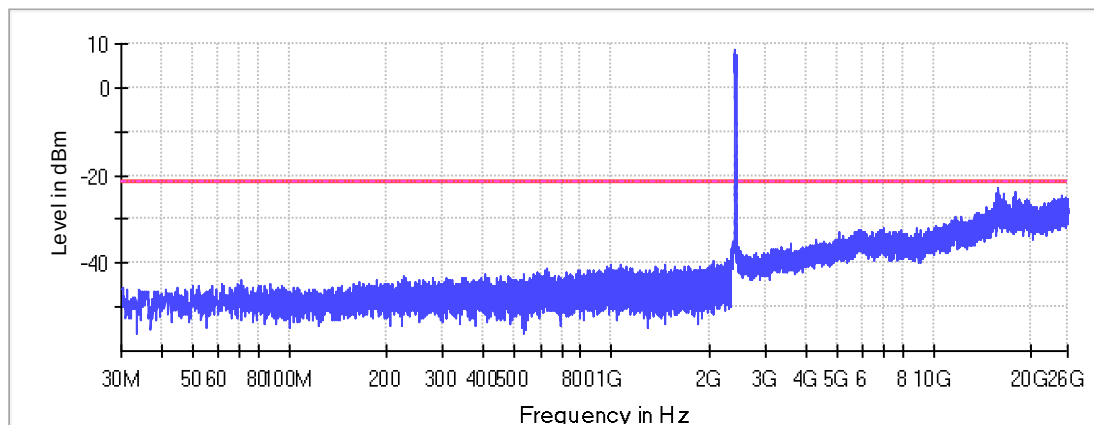
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2399.725000	-22.5	1.2	-21.4
15721.038600	-22.9	1.5	-21.4
15704.871512	-23.2	1.9	-21.4
2399.775000	-23.3	1.9	-21.4
15742.349763	-23.3	1.9	-21.4
2399.675000	-23.4	2.1	-21.4
15763.660925	-23.4	2.1	-21.4
15728.387277	-23.5	2.1	-21.4
15701.932041	-23.5	2.1	-21.4
17849.950212	-23.5	2.1	-21.4
15720.303733	-23.7	2.3	-21.4
15724.712939	-23.7	2.3	-21.4
15809.222720	-23.8	2.4	-21.4
15735.001086	-24.0	2.6	-21.4
15710.015585	-24.0	2.6	-21.4

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2350.000000	1	1
2350.000000	2483.500000	2	1
2483.500000	26000.000000	1	1

Spurious



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

Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	32001	~ 46400
SweepTime	32.100 ms	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	40.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	3	3
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	2670	~ 2670
SweepTime	151.563 μ s	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	40.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	300	300
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

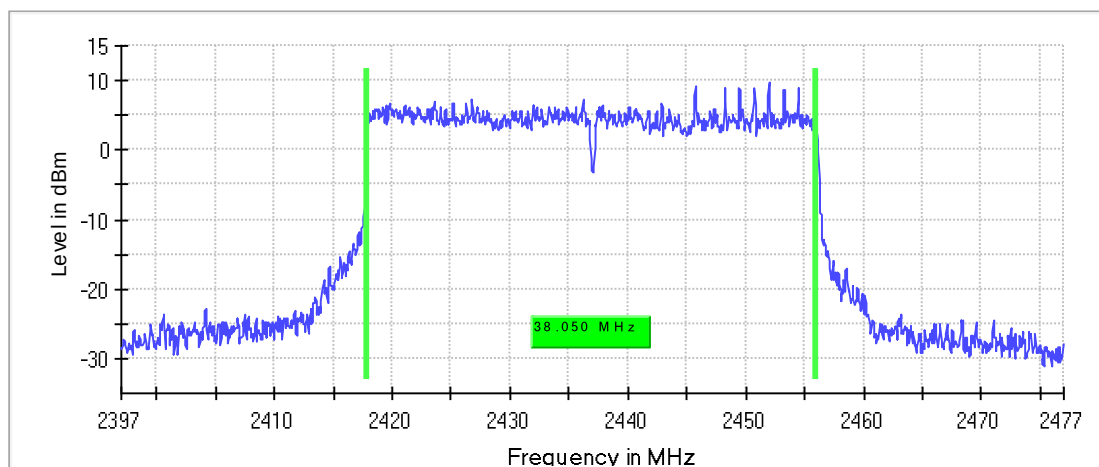
Minimum Emission Bandwidth 6 dB (2437 MHz; 24.000 dBm; 40 MHz)

6 dB Bandwidth

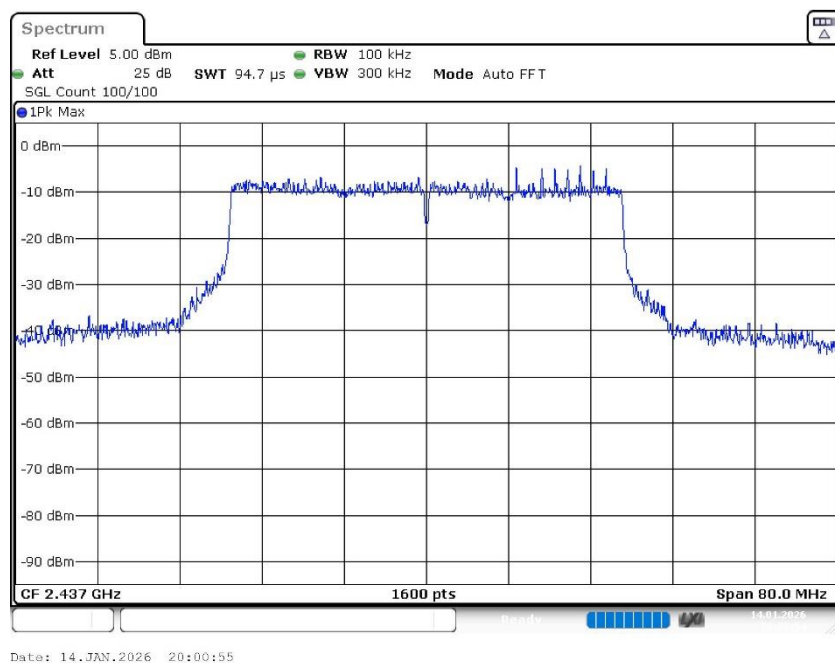
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	38.050000	0.500000	---	2417.875000	2455.925000

DUT Frequency (MHz)	Max Level (dBm)	Result
2437.000000	9.6	PASS

6 dB Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39700 GHz	2.39700 GHz
Stop Frequency	2.47700 GHz	2.47700 GHz
Span	80.000 MHz	80.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	1600	~ 1600
Sweeptime	94.727 μ s	AUTO
Reference Level	5.000 dBm	-5.000 dBm
Attenuation	25.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

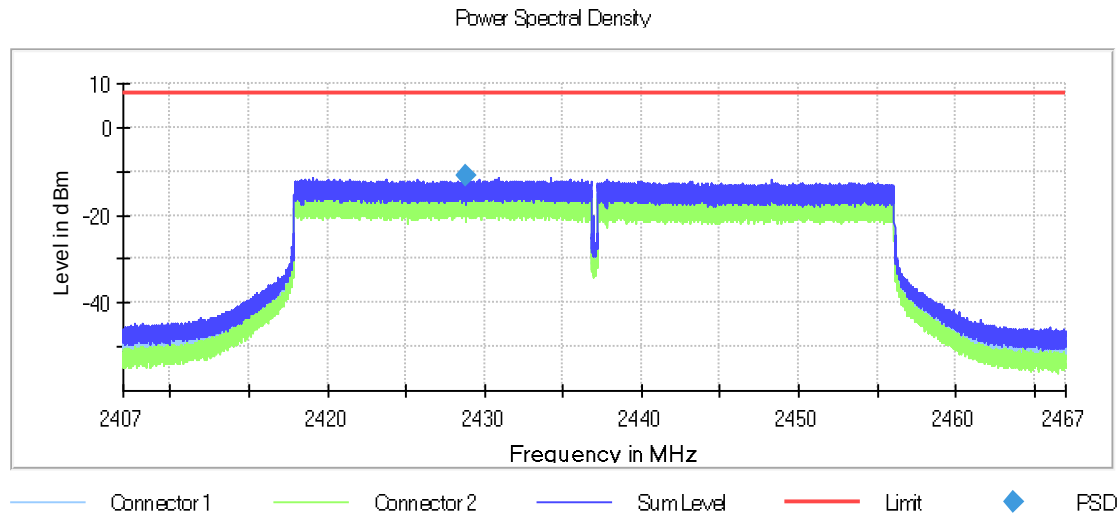
Power Spectral Density (2437 MHz; 24.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2437.000000	2428.866504	-11.130	8.0	PASS

Ports

Port	State
1	used
2	used



Measurement

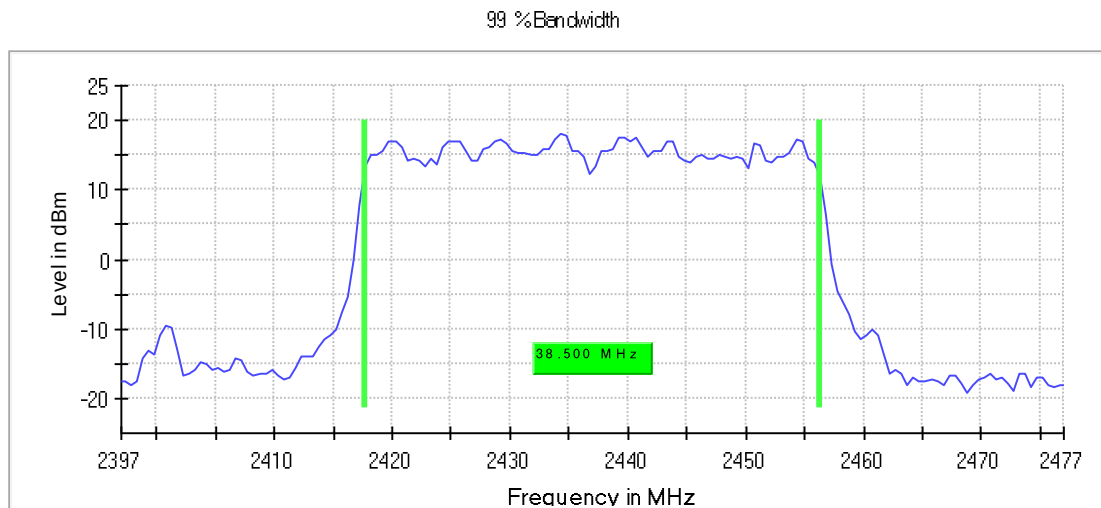
Setting	Instrument Value	Target Value
Start Frequency	2.40700 GHz	2.40700 GHz
Stop Frequency	2.46700 GHz	2.46700 GHz
Span	60.000 MHz	60.000 MHz
RBW	3.000 kHz	<= 3.000 kHz
VBW	10.000 kHz	>= 9.000 kHz
SweepPoints	32001	~ 40000
SweepTime	8.849 ms	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

Occupied Channel Bandwidth 99% (2437 MHz; 24.000 dBm; 40 MHz)

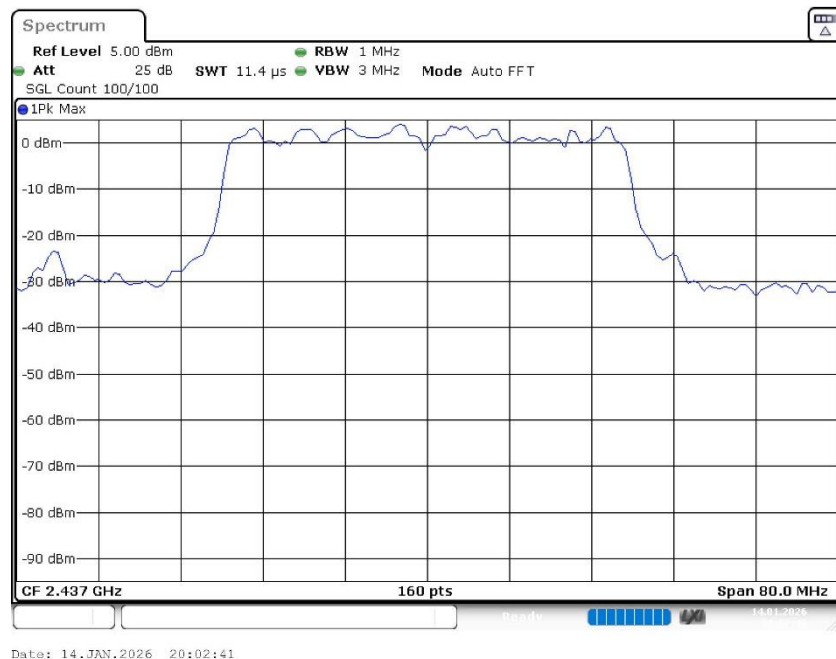
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	38.500000	---	---	2417.750000	2456.250000

DUT Frequency (MHz)	Result
2437.000000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39700 GHz	2.39700 GHz
Stop Frequency	2.47700 GHz	2.47700 GHz
Span	80.000 MHz	80.000 MHz
RBW	1.000 MHz	≥ 1.000 MHz
VBW	3.000 MHz	≥ 3.000 MHz
SweepPoints	160	~ 160
SweepTime	11.438 μ s	AUTO
Reference Level	5.000 dBm	-5.000 dBm

Attenuation	25.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

Band Edge low (2437 MHz; 24.000 dBm; 40 MHz)

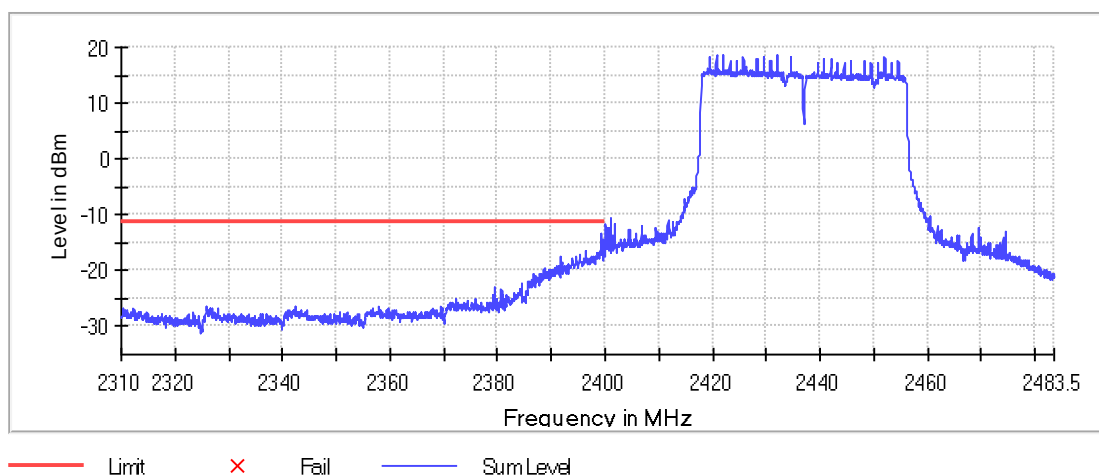
Result

DUT Frequency (MHz)	Result
2437.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.225000	-13.3	2.1	-11.3	PASS
2399.275000	-14.0	2.8	-11.3	PASS
2399.475000	-14.2	3.0	-11.3	PASS
2399.525000	-14.3	3.0	-11.3	PASS
2399.175000	-14.5	3.3	-11.3	PASS
2399.425000	-15.2	3.9	-11.3	PASS
2399.575000	-15.3	4.0	-11.3	PASS
2399.125000	-16.2	4.9	-11.3	PASS
2396.425000	-16.5	5.2	-11.3	PASS
2399.075000	-16.6	5.4	-11.3	PASS
2398.475000	-16.7	5.4	-11.3	PASS
2396.475000	-16.8	5.5	-11.3	PASS
2399.975000	-16.8	5.5	-11.3	PASS
2399.375000	-16.9	5.6	-11.3	PASS
2398.725000	-16.9	5.6	-11.3	PASS

Band Edge



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	113.672 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	27 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.32 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	81 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.44 dB	0.50 dB

Band Edge high (2437 MHz; 24.000 dBm; 40 MHz)

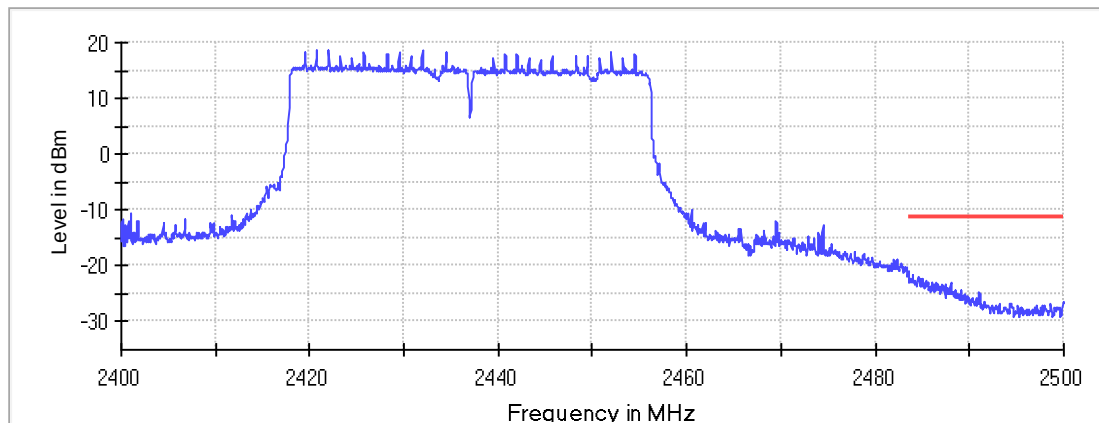
Result

DUT Frequency (MHz)	Result
2437.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2483.525000	-21.0	9.8	-11.2	PASS
2483.575000	-21.2	10.0	-11.2	PASS
2483.975000	-21.7	10.4	-11.2	PASS
2484.025000	-21.7	10.5	-11.2	PASS
2484.525000	-22.1	10.8	-11.2	PASS
2484.775000	-22.1	10.9	-11.2	PASS
2483.725000	-22.2	11.0	-11.2	PASS
2483.675000	-22.2	11.0	-11.2	PASS
2484.825000	-22.3	11.1	-11.2	PASS
2485.025000	-22.3	11.1	-11.2	PASS
2484.575000	-22.4	11.1	-11.2	PASS
2483.925000	-22.4	11.2	-11.2	PASS
2485.075000	-22.5	11.2	-11.2	PASS
2484.975000	-22.6	11.3	-11.2	PASS
2485.375000	-22.6	11.4	-11.2	PASS

Band Edge



— Limit × Fail — SumLevel

Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 µs	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	87 / max. 150	max. 150
Stable	3 / 3	3

Max Stable Difference	0.28 dB	0.50 dB
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Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.48350 GHz	2.48350 GHz
Stop Frequency	2.50000 GHz	2.50000 GHz
Span	16.500 MHz	16.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	330	~ 330
SweepTime	18.945 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Tx Spurious Emission (2437 MHz; 24.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Result
2437.000000	PASS

Final measurements

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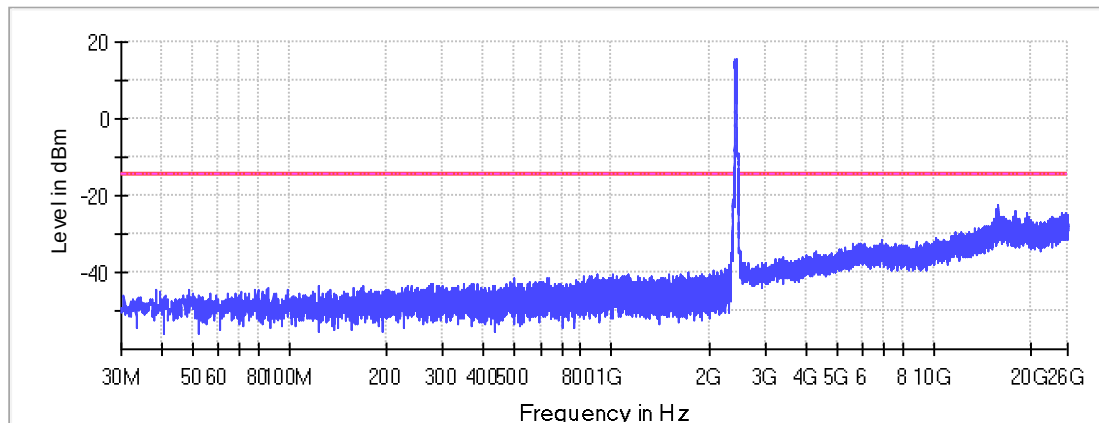
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2399.225000	-14.7	0.4	-14.3
2399.475000	-15.2	0.9	-14.3
2399.275000	-15.2	0.9	-14.3
2399.525000	-15.3	1.0	-14.3
2399.175000	-15.4	1.1	-14.3
2399.425000	-16.7	2.4	-14.3
2397.125000	-16.9	2.6	-14.3
2397.175000	-17.3	2.9	-14.3
2398.975000	-17.4	3.1	-14.3
2398.525000	-17.5	3.2	-14.3
2396.725000	-17.5	3.2	-14.3
2399.575000	-17.5	3.2	-14.3
2396.775000	-17.6	3.3	-14.3
2398.775000	-17.7	3.4	-14.3
2399.125000	-17.8	3.5	-14.3

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2350.000000	1	1
2350.000000	2483.500000	2	1
2483.500000	26000.000000	1	1

Spurious



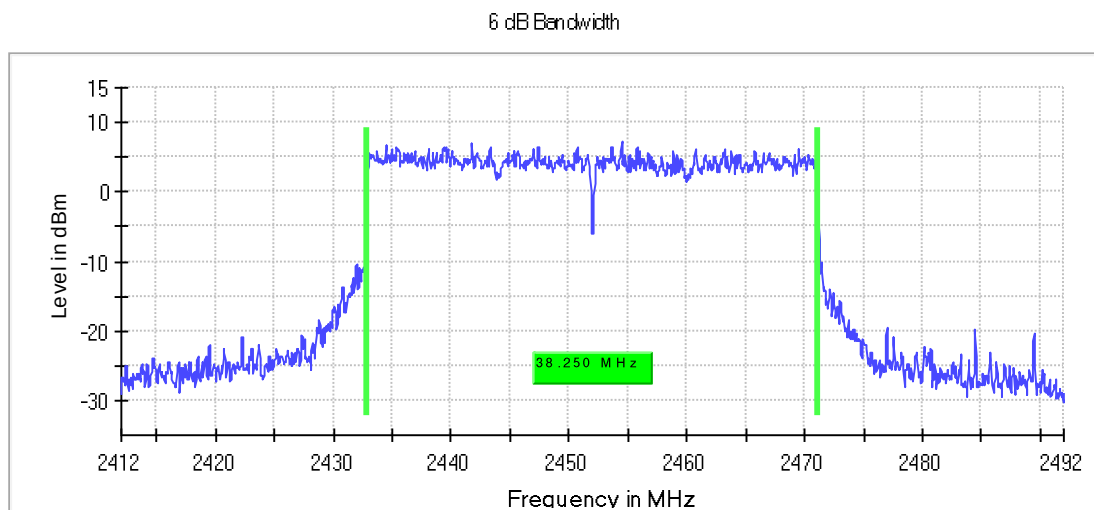
— Limit — Threshold — SumLevel × Critical × Final Critical

Minimum Emission Bandwidth 6 dB (2452 MHz; 24.000 dBm; 40 MHz)

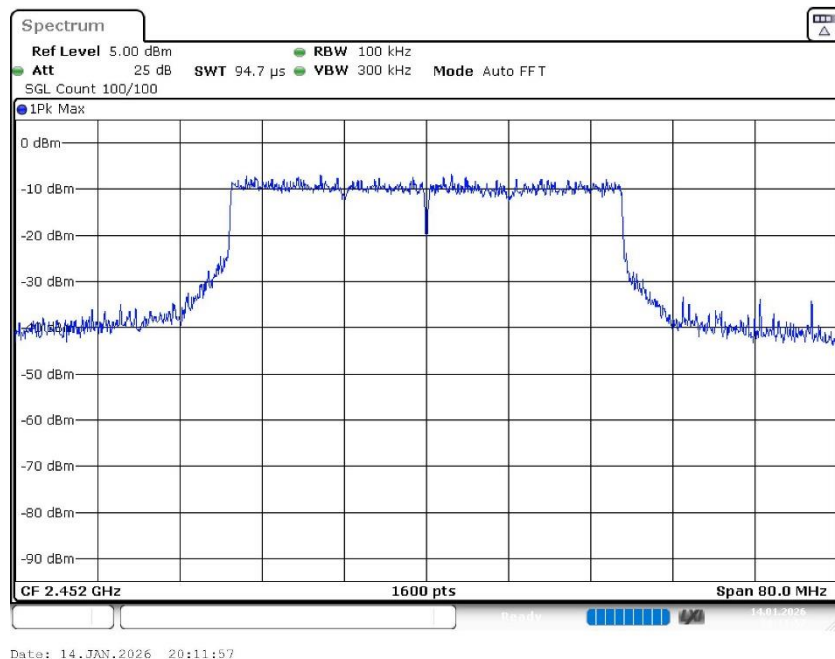
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2452.000000	38.250000	0.500000	---	2432.875000	2471.125000

DUT Frequency (MHz)	Max Level (dBm)	Result
2452.000000	7.2	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.41200 GHz	2.41200 GHz
Stop Frequency	2.49200 GHz	2.49200 GHz
Span	80.000 MHz	80.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	1600	~ 1600
Sweptime	94.727 μs	AUTO
Reference Level	5.000 dBm	-5.000 dBm

Attenuation	25.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

Power Spectral Density (2452 MHz; 24.000 dBm; 40 MHz)

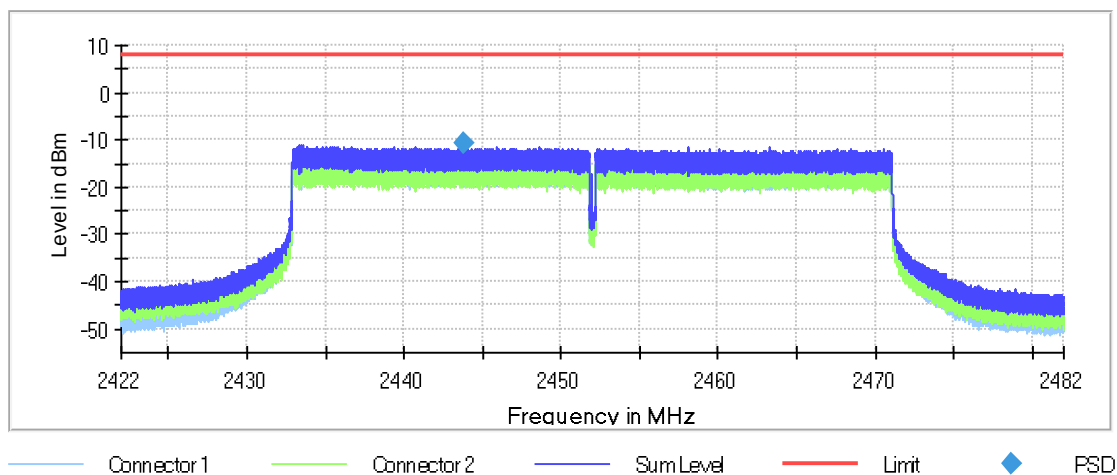
Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2452.000000	2443.866504	-10.582	8.0	PASS

Ports

Port	State
1	used
2	used

Power Spectral Density



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.42200 GHz	2.42200 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	60.000 MHz	60.000 MHz
RBW	3.000 kHz	<= 3.000 kHz
VBW	10.000 kHz	>= 9.000 kHz
SweepPoints	32001	~ 40000
SweepTime	8.849 ms	AUTO
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	Average Power	Average Power
Sweeptype	FFT	AUTO

Preamp	off	off
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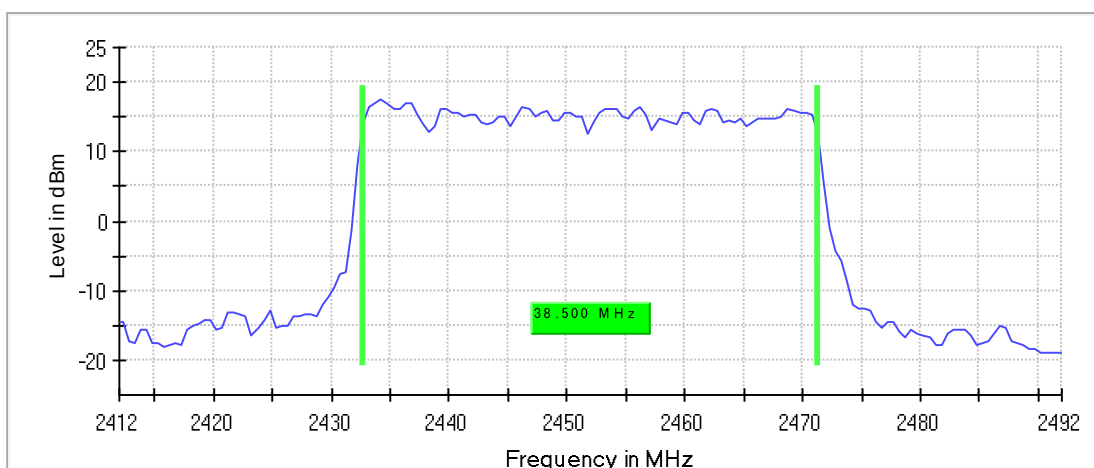
Occupied Channel Bandwidth 99% (2452 MHz; 24.000 dBm; 40 MHz)

99 % Bandwidth

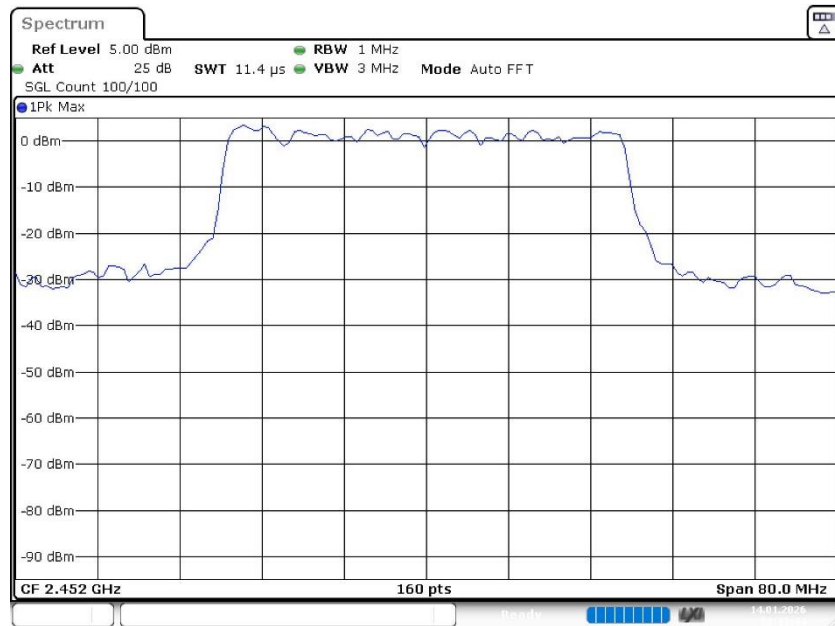
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2452.000000	38.500000	---	---	2432.750000	2471.250000

DUT Frequency (MHz)	Result
2452.000000	PASS

99 % Bandwidth



Bandwidth



Date: 14.JAN.2026 20:13:45

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.41200 GHz	2.41200 GHz
Stop Frequency	2.49200 GHz	2.49200 GHz
Span	80.000 MHz	80.000 MHz
RBW	1.000 MHz	>= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	160	~ 160
Sweeptime	11.438 μ s	AUTO
Reference Level	5.000 dBm	-5.000 dBm
Attenuation	25.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

Band Edge low (2452 MHz; 24.000 dBm; 40 MHz)

Result

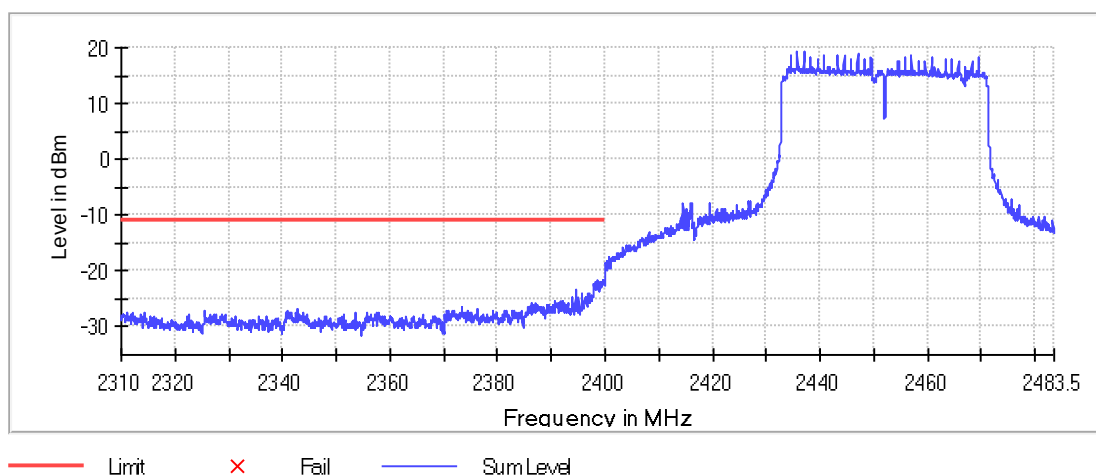
DUT Frequency (MHz)	Result
2452.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.975000	-21.4	10.7	-10.8	PASS
2399.725000	-21.6	10.9	-10.8	PASS
2398.675000	-21.7	10.9	-10.8	PASS

2398.725000	-21.7	11.0	-10.8	PASS
2399.525000	-21.8	11.0	-10.8	PASS
2399.625000	-21.8	11.1	-10.8	PASS
2399.675000	-21.9	11.1	-10.8	PASS
2399.225000	-22.0	11.2	-10.8	PASS
2399.925000	-22.0	11.2	-10.8	PASS
2399.575000	-22.0	11.2	-10.8	PASS
2398.225000	-22.0	11.3	-10.8	PASS
2399.025000	-22.1	11.3	-10.8	PASS
2399.075000	-22.1	11.3	-10.8	PASS
2399.475000	-22.1	11.3	-10.8	PASS
2399.775000	-22.1	11.3	-10.8	PASS

Band Edge



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1800	~ 1800
SweepTime	113.672 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	117 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.02 dB	0.50 dB

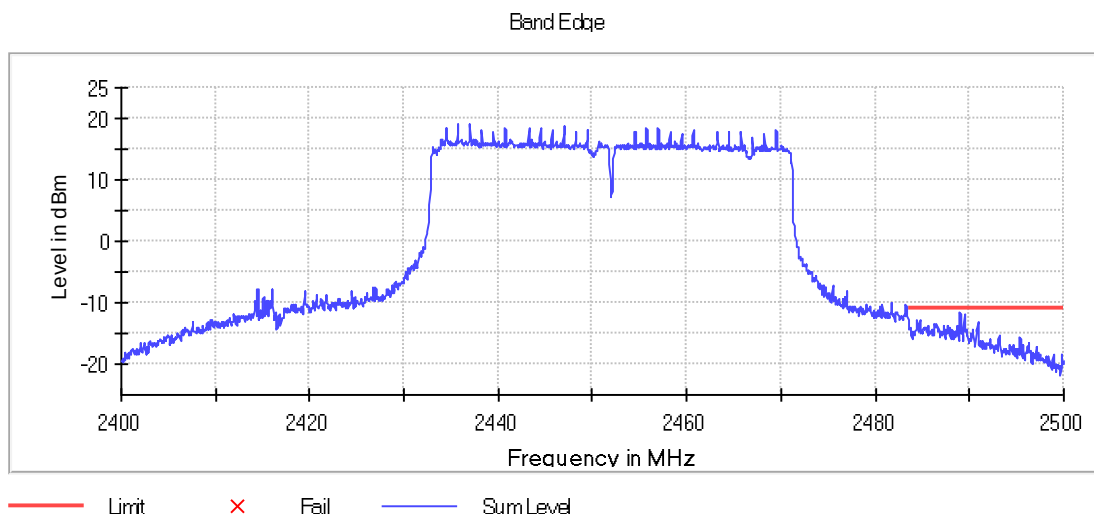
Band Edge high (2452 MHz; 24.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Result
2452.000000	PASS

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2488.975000	-11.5	0.7	-10.8	PASS
2489.475000	-11.7	0.9	-10.8	PASS
2489.025000	-11.9	1.1	-10.8	PASS
2489.525000	-11.9	1.1	-10.8	PASS
2484.725000	-12.8	2.0	-10.8	PASS
2484.775000	-12.8	2.0	-10.8	PASS
2484.475000	-12.9	2.1	-10.8	PASS
2484.425000	-12.9	2.1	-10.8	PASS
2488.925000	-12.9	2.1	-10.8	PASS
2490.875000	-13.3	2.5	-10.8	PASS
2483.525000	-13.3	2.5	-10.8	PASS
2486.275000	-13.4	2.7	-10.8	PASS
2490.925000	-13.5	2.7	-10.8	PASS
2486.525000	-13.5	2.7	-10.8	PASS
2486.475000	-13.5	2.7	-10.8	PASS



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
Sweptime	94.727 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	108 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.27 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.48350 GHz	2.48350 GHz
Stop Frequency	2.50000 GHz	2.50000 GHz
Span	16.500 MHz	16.500 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	330	~ 330
Sweptime	18.945 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB

Trace Mode	Max Hold	Max Hold
Sweep type	FFT	AUTO
Preamp	off	off
Stable mode	Trace	Trace
Stable value	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Tx Spurious Emission (2452 MHz; 24.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Result
2452.000000	PASS

Final measurements

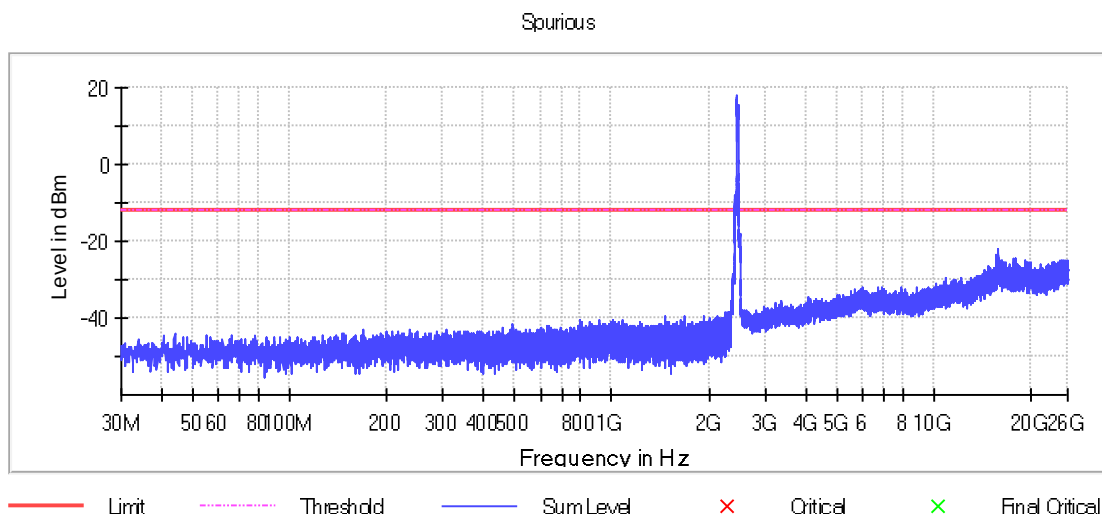
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2486.806904	-16.9	4.7	-12.2
2484.602301	-17.0	4.8	-12.2
2492.685846	-18.0	5.8	-12.2
2483.867434	-18.2	6.0	-12.2
2489.011507	-18.2	6.0	-12.2
2490.481243	-18.4	6.2	-12.2
2485.337169	-18.4	6.2	-12.2
2486.072037	-18.6	6.4	-12.2
2487.541772	-18.6	6.4	-12.2
2493.420713	-19.2	7.0	-12.2
2489.746375	-19.3	7.1	-12.2
2488.276640	-19.9	7.7	-12.2
2491.216110	-21.5	9.3	-12.2
2491.950978	-21.7	9.5	-12.2
2500.034522	-21.7	9.5	-12.2

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2350.000000	1	1
2350.000000	2483.500000	2	1
2483.500000	26000.000000	1	1



Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	≤ 100.000 kHz
VBW	300.000 kHz	≥ 300.000 kHz
SweepPoints	32001	~ 46400
SweepTime	32.100 ms	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	40.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	3	3
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	100.000 kHz	≤ 100.000 kHz
VBW	300.000 kHz	≥ 300.000 kHz
SweepPoints	2670	~ 2670
SweepTime	151.563 μ s	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	40.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	300	300
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

-- End of Report--