

n Mode Plots

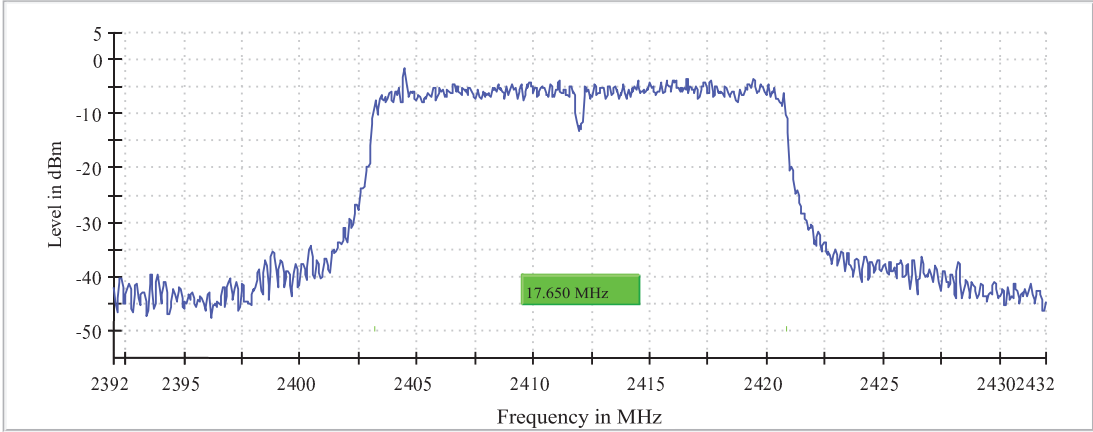
Minimum Emission Bandwidth 6 dB 2412 MHz

KDB 558074 D01 DTS Meas Guidance v05 and ANSI C63.10-2013 11.8.1

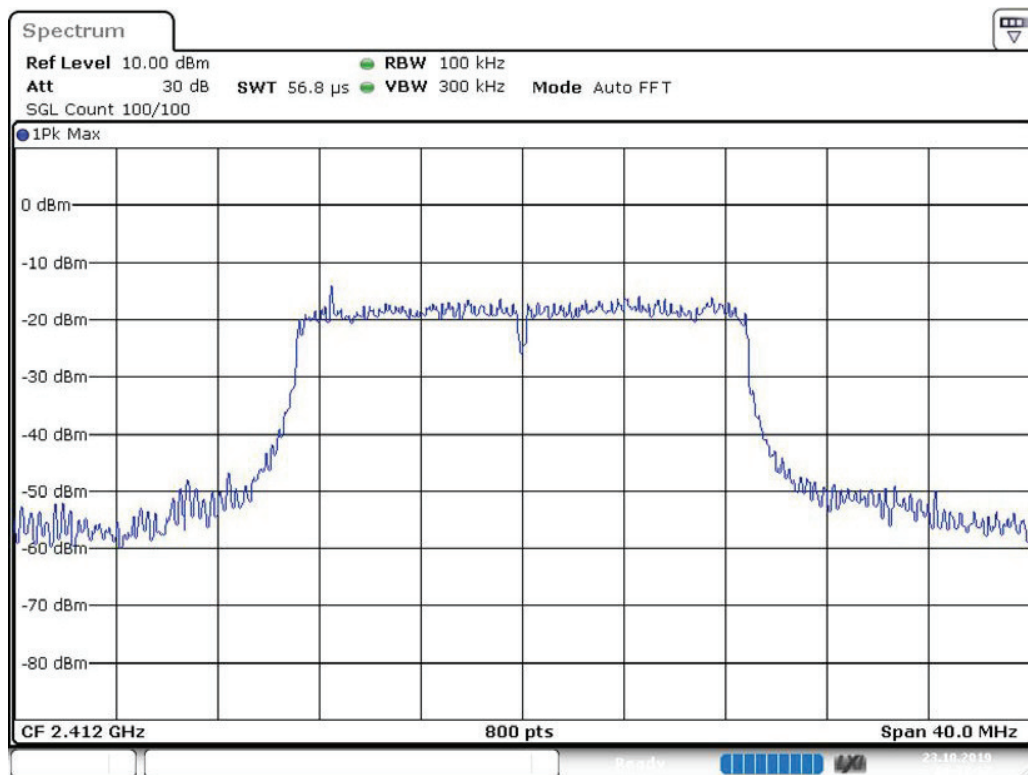
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	17.650000	0.500000	---	2403.175000	2420.825000

6 dB Bandwidth



Bandwidth



Date: 23.OCT.2019 05:18:38

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
Sweptime	56.836 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 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

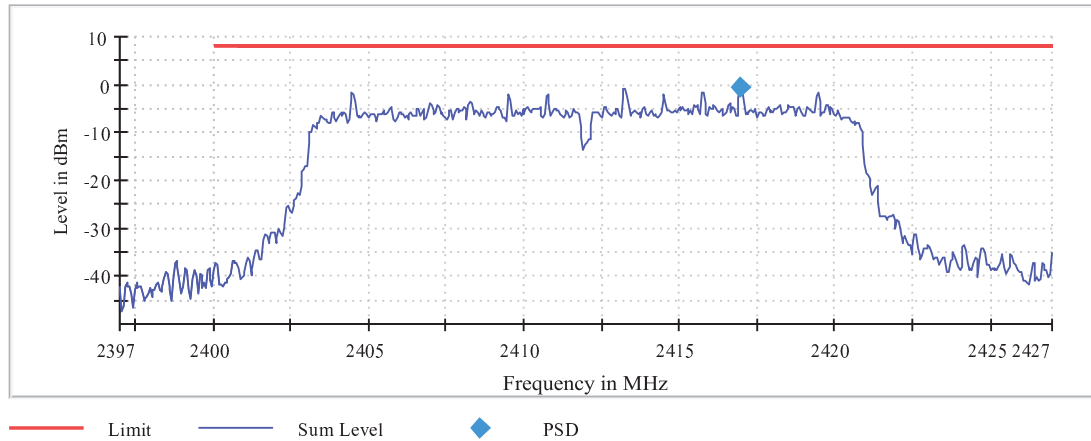
Peak Power Spectral Density 2412 MHz

KDB 558074 D01 DTS Meas Guidance v05 F and ANSI C63.10-2013

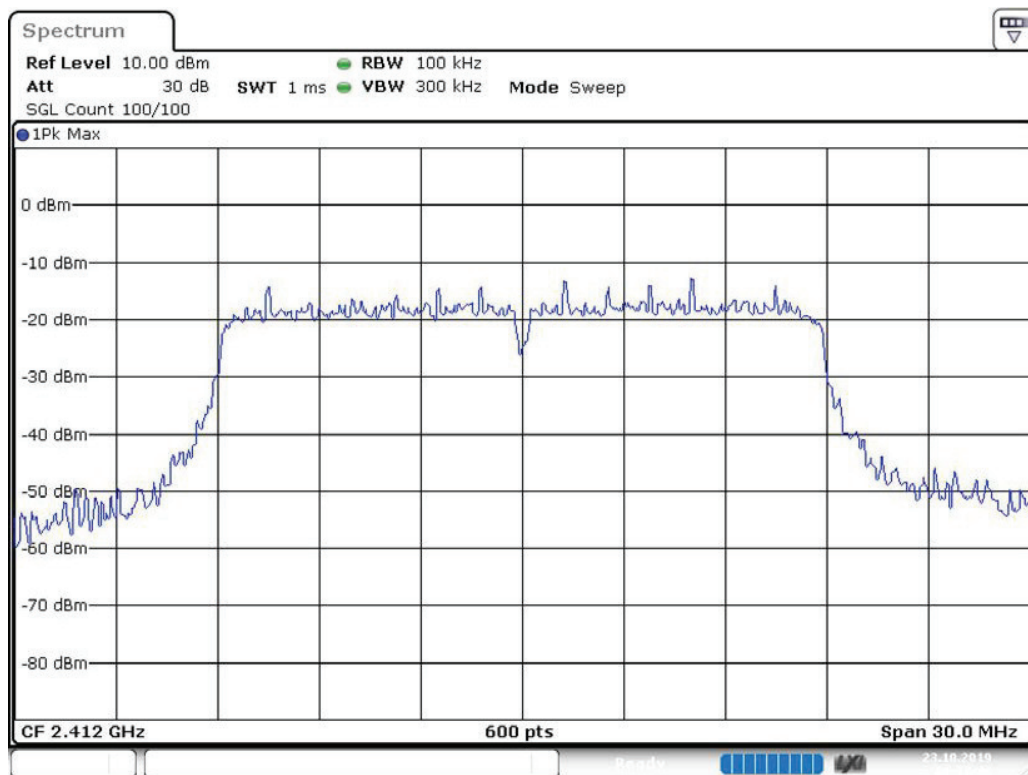
Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2412.000000	2416.975000	-0.369	8.0	PASS

Peak Power Spectral Density



PSD Connector 1



Date: 23.OCT.2019 05:18:47

Measurement

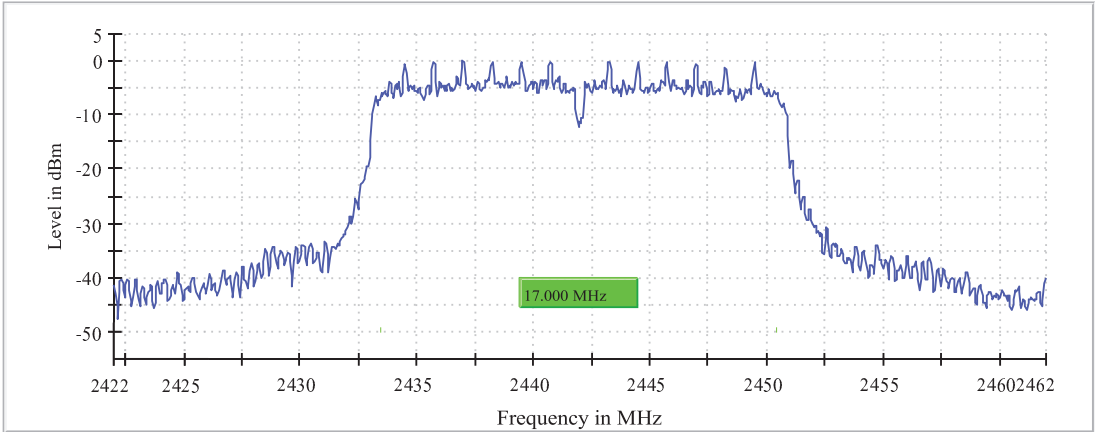
Setting	Instrument Value	Target Value
Start Frequency	2.39700 GHz	2.39700 GHz
Stop Frequency	2.42700 GHz	2.42700 GHz
Span	30.000 MHz	30.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	600	~ 600
Sweptime	1.040 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off

Minimum Emission Bandwidth 6 dB 2442 MHz
KDB 558074 D01 DTS Meas Guidance v05 and ANSI C63.10-2013 11.8.1

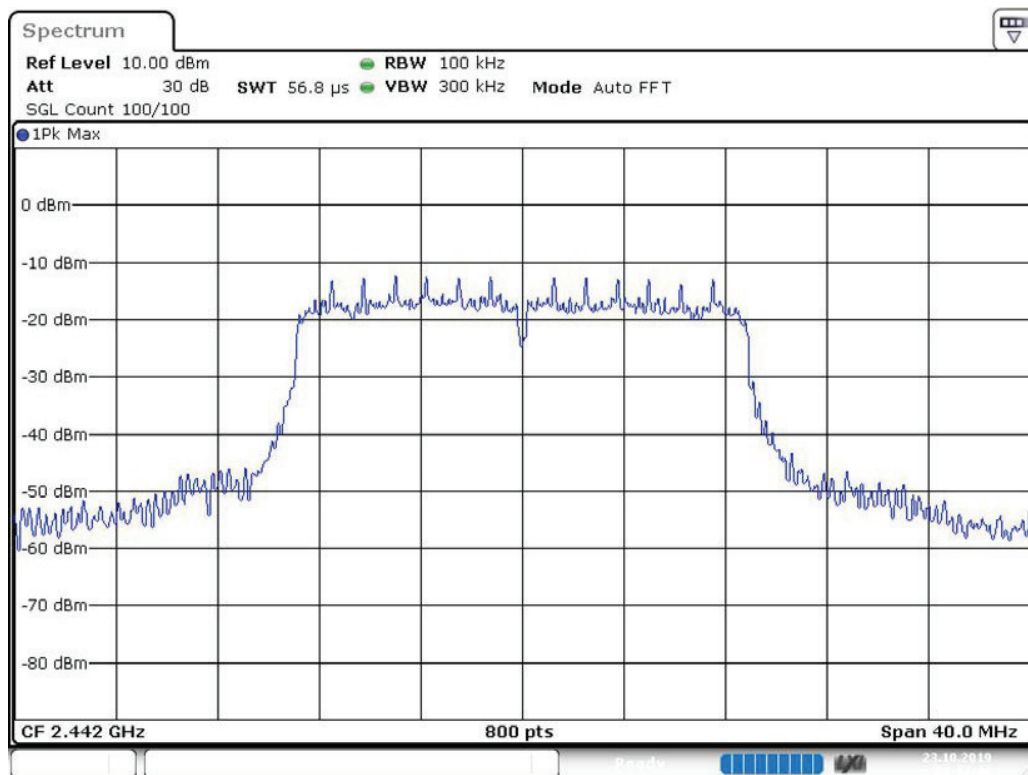
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2442.000000	17.000000	0.500000	---	2433.425000	2450.425000

6 dB Bandwidth



Bandwidth



Date: 23.OCT.2019 05:31:49

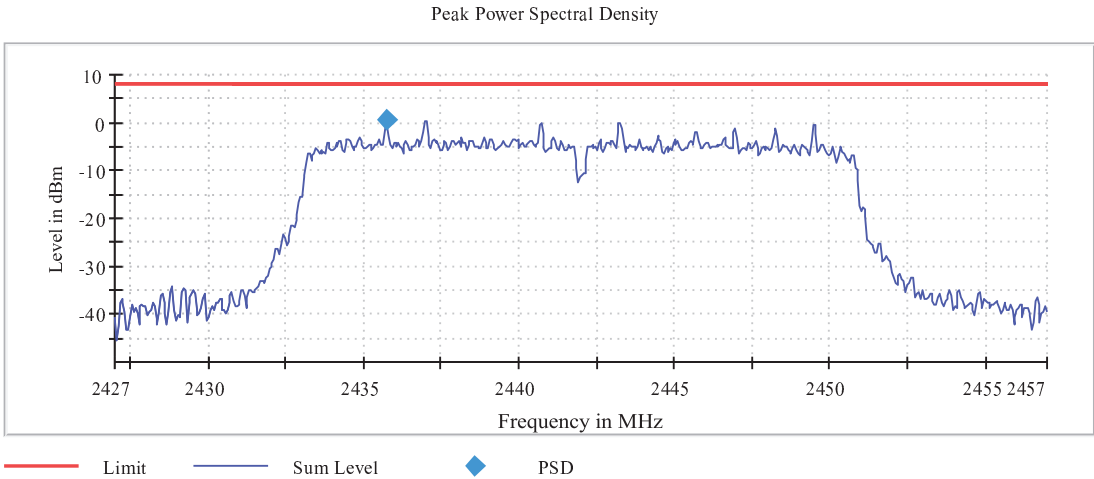
Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.42200 GHz	2.42200 GHz
Stop Frequency	2.46200 GHz	2.46200 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	10.000 dBm	10.000 dBm
Attenuation	30.000 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

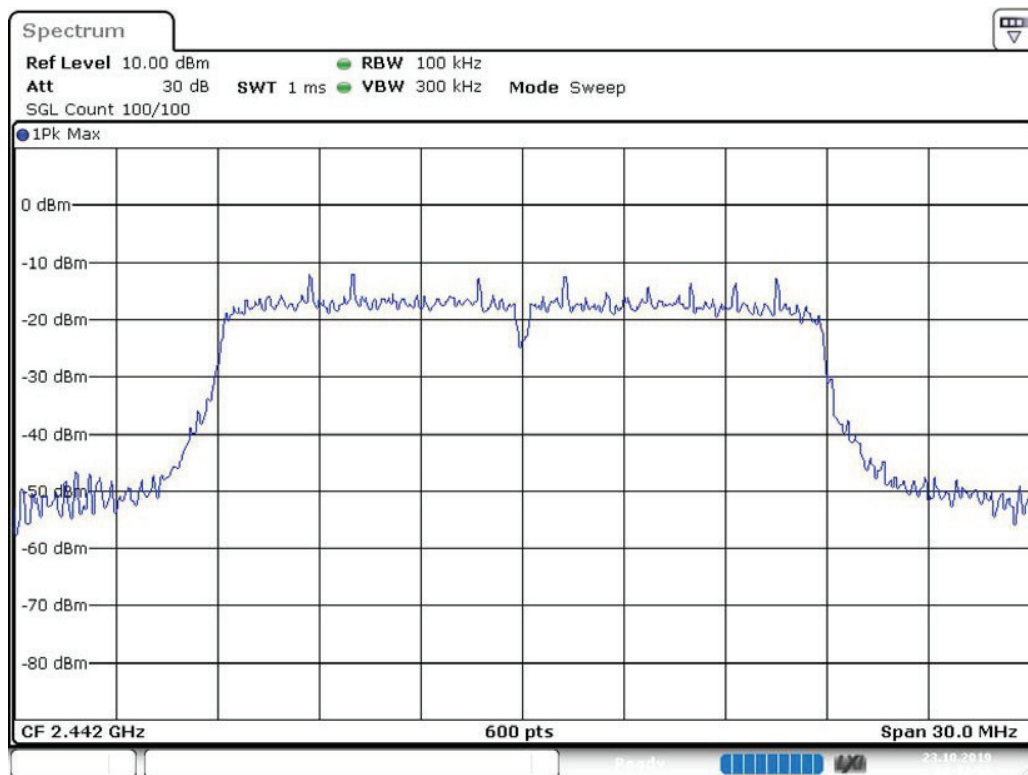
Peak Power Spectral Density 2442 MHz
KDB 558074 D01 DTS Meas Guidance v05 F and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2442.000000	2435.725000	0.453	8.0	PASS



PSD Connector 1



Date: 23.OCT.2019 05:31:59

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	100.000 kHz	≤ 100.000 kHz
VBW	300.000 kHz	≥ 300.000 kHz
SweepPoints	600	~ 600
Sweptime	1.040 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off

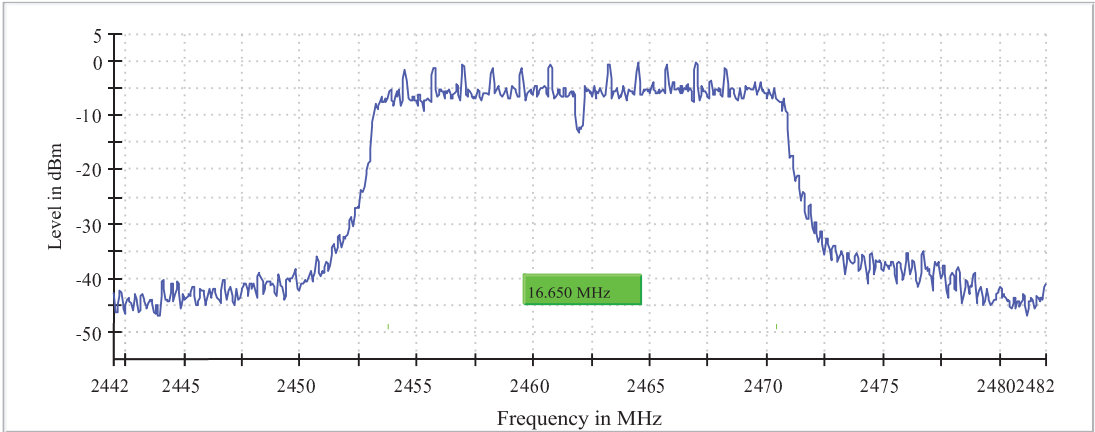
Minimum Emission Bandwidth 6 dB 2462 MHz

KDB 558074 D01 DTS Meas Guidance v05 and ANSI C63.10-2013 11.8.1

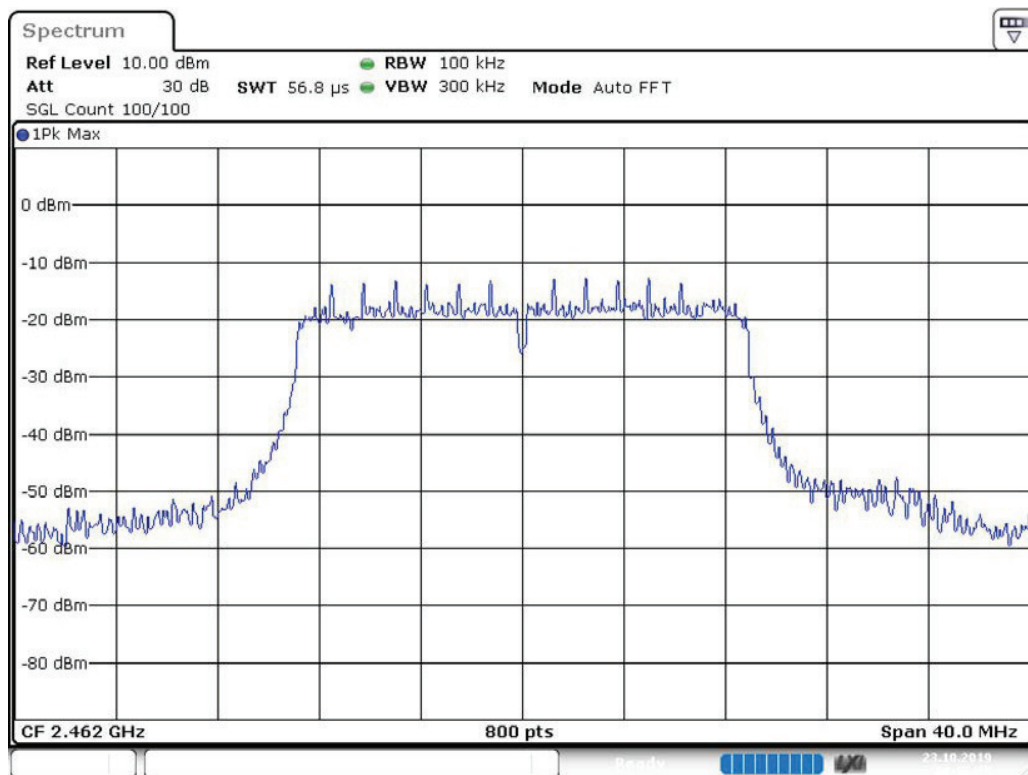
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	16.650000	0.500000	---	2453.775000	2470.425000

6 dB Bandwidth



Bandwidth



Date: 23.OCT.2019 05:36:15

Measurement

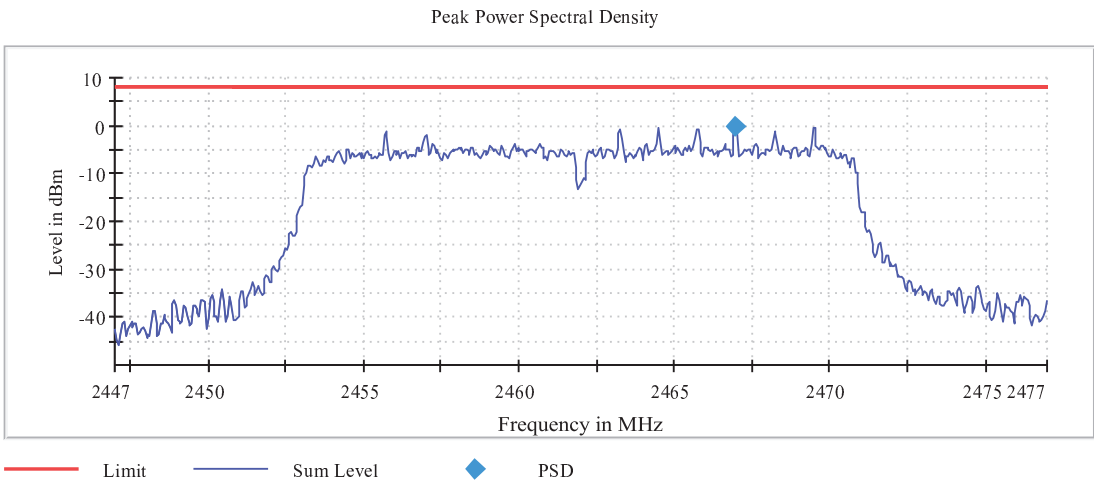
Setting	Instrument Value	Target Value
Start Frequency	2.44200 GHz	2.44200 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
Sweptime	56.836 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 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

Peak Power Spectral Density 2462 MHz

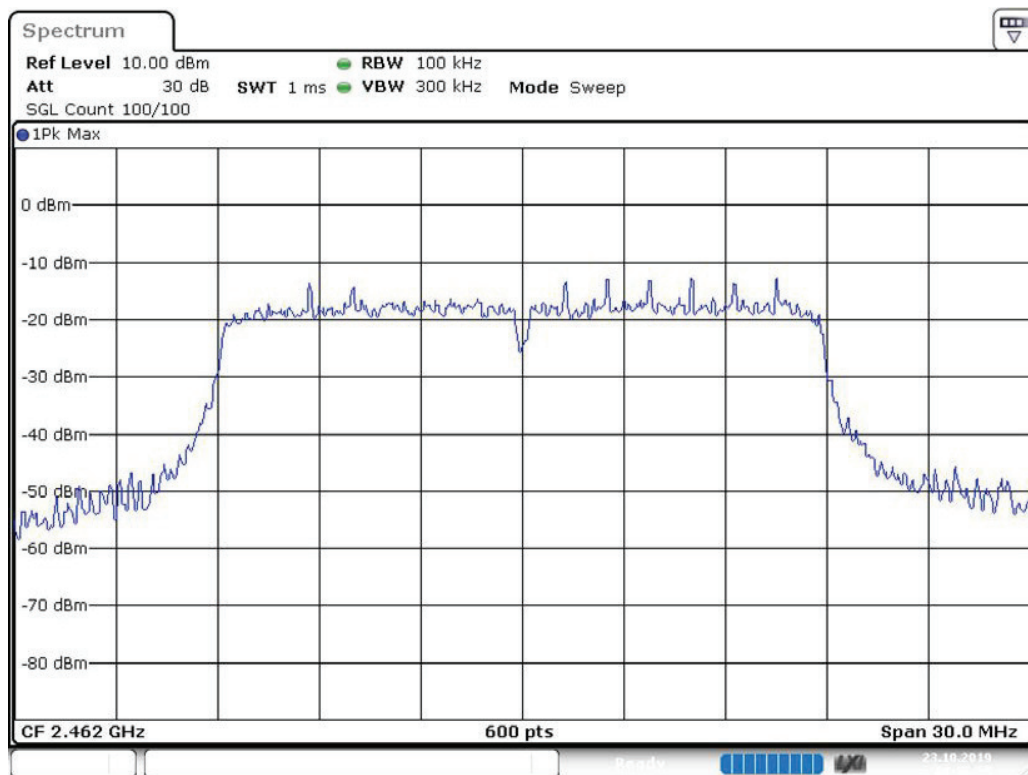
KDB 558074 D01 DTS Meas Guidance v05 F and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2462.000000	2466.975000	-0.275	8.0	PASS



PSD Connector 1



Date: 23.OCT.2019 05:36:25

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	100.000 kHz	≤ 100.000 kHz
VBW	300.000 kHz	≥ 300.000 kHz
SweepPoints	600	~ 600
Sweptime	1.040 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off

Band Edge low 2412 MHz

KDB 558074 D01 DTS Meas Guidance v05 8.7 and ANSI C63.10-2013

Measurement uncertainty calculated in accordance with ETSI TR 100 028-1. Expanded Uncertainty (K=2) < 0.8 dB

Result

DUT Frequency (MHz)	Result
2412.000000	PASS

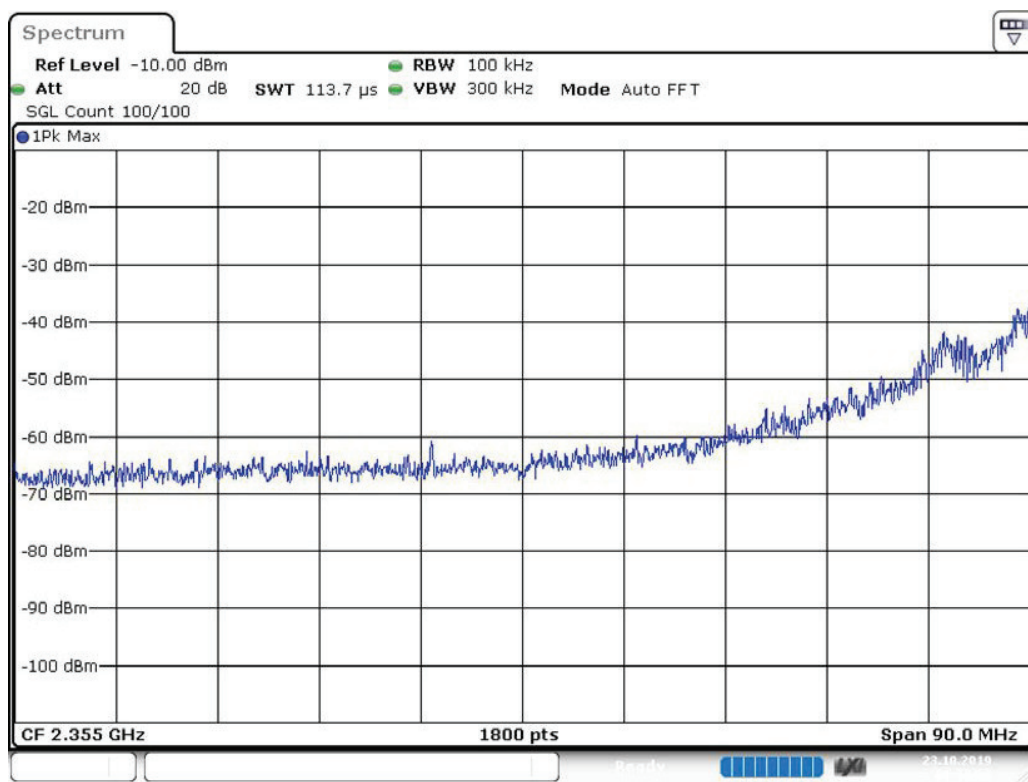
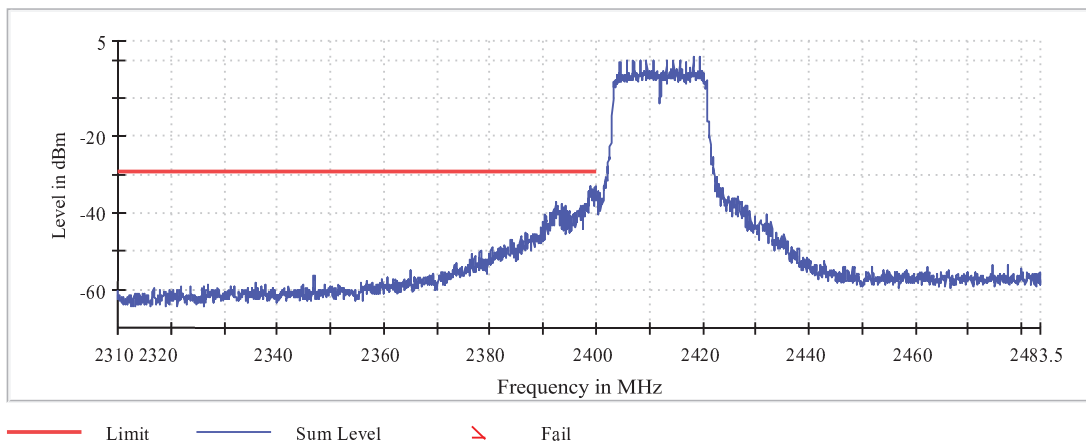
Inband Peak

Frequency (MHz)	Level (dBm)
2419.475000	0.9

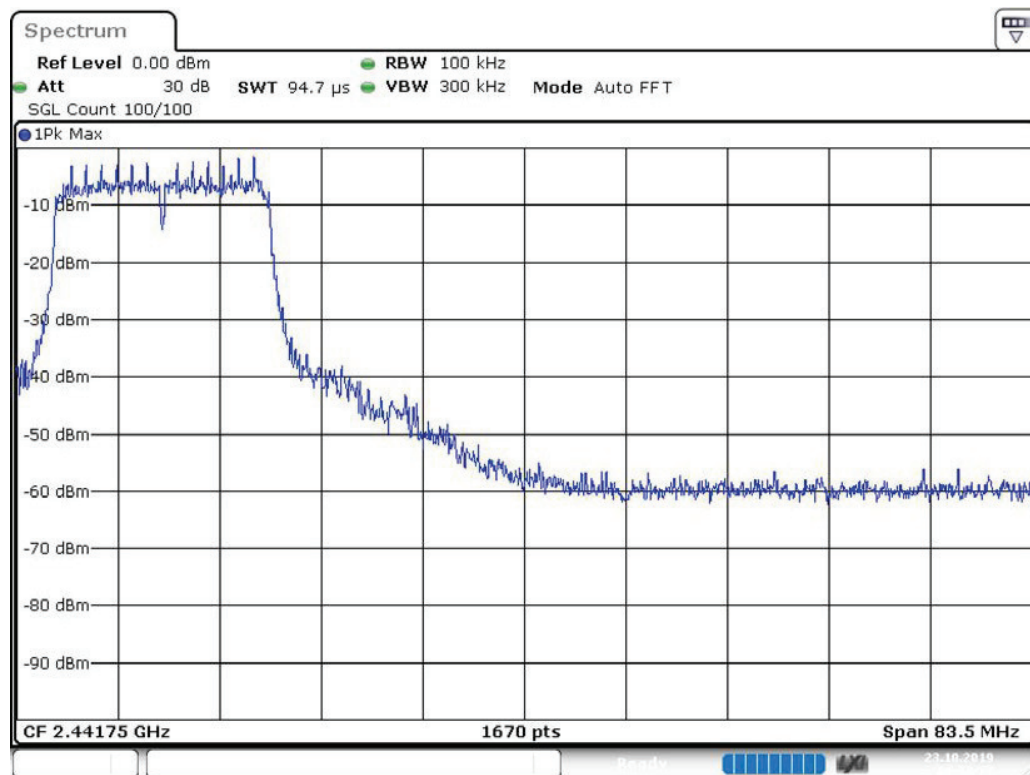
Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.825000	-33.0	3.9	-29.1	PASS
2398.875000	-33.1	4.0	-29.1	PASS
2399.875000	-33.2	4.1	-29.1	PASS
2398.825000	-33.3	4.2	-29.1	PASS
2398.925000	-33.4	4.3	-29.1	PASS
2399.775000	-33.6	4.6	-29.1	PASS
2399.175000	-34.1	5.0	-29.1	PASS
2398.525000	-34.2	5.1	-29.1	PASS
2399.125000	-34.2	5.2	-29.1	PASS
2399.225000	-34.2	5.2	-29.1	PASS
2399.475000	-34.3	5.3	-29.1	PASS
2399.425000	-34.3	5.3	-29.1	PASS
2398.775000	-34.4	5.3	-29.1	PASS
2399.525000	-34.6	5.6	-29.1	PASS
2398.475000	-34.6	5.6	-29.1	PASS

Band Edge



Date: 23.OCT.2019 05:19:07



Date: 23.OCT.2019 05:19:18

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	-10.000 dBm	-30.000 dBm
Attenuation	20.000 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

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	0.000 dBm	-30.000 dBm

Setting	Instrument Value	Target Value
Attenuation	30.000 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

Band Edge high 2462 MHz

KDB 558074 D01 DTS Meas Guidance v05 8.7 and ANSI C63.10-2013

Measurement uncertainty calculated in accordance with ETSI TR 100 028-1. Expanded Uncertainty (K=2) < 0.8 dB

Result

DUT Frequency (MHz)	Result
2462.000000	PASS

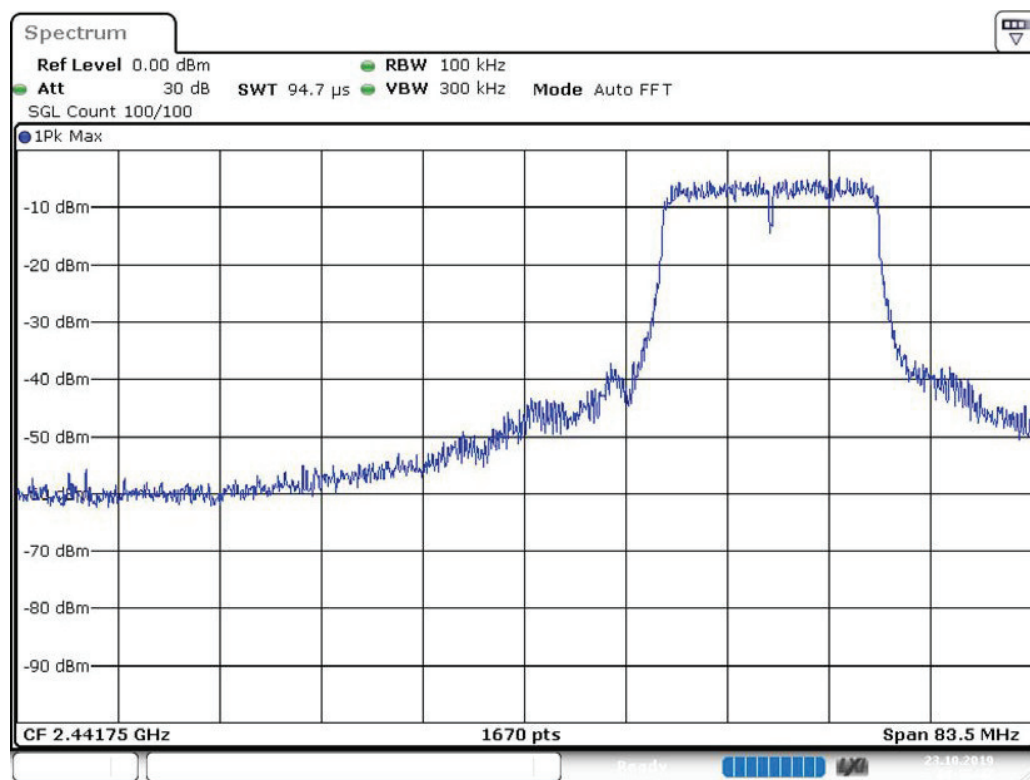
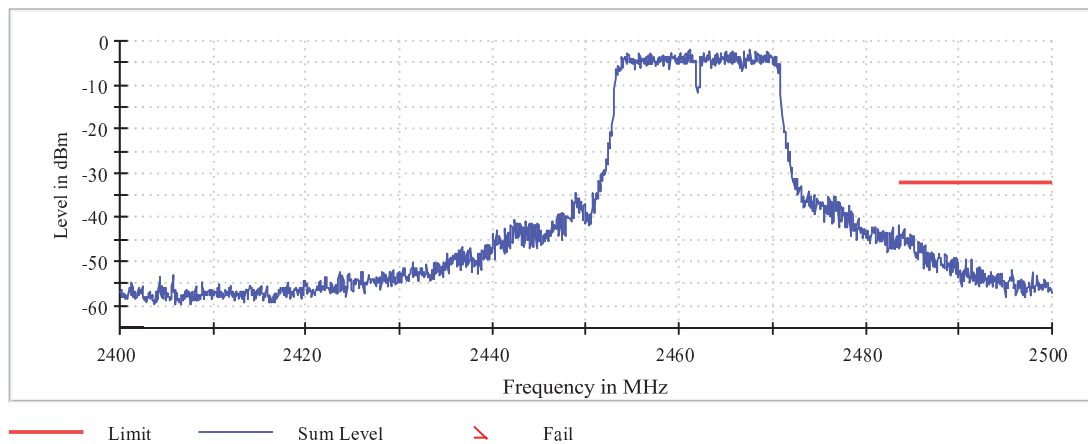
Inband Peak

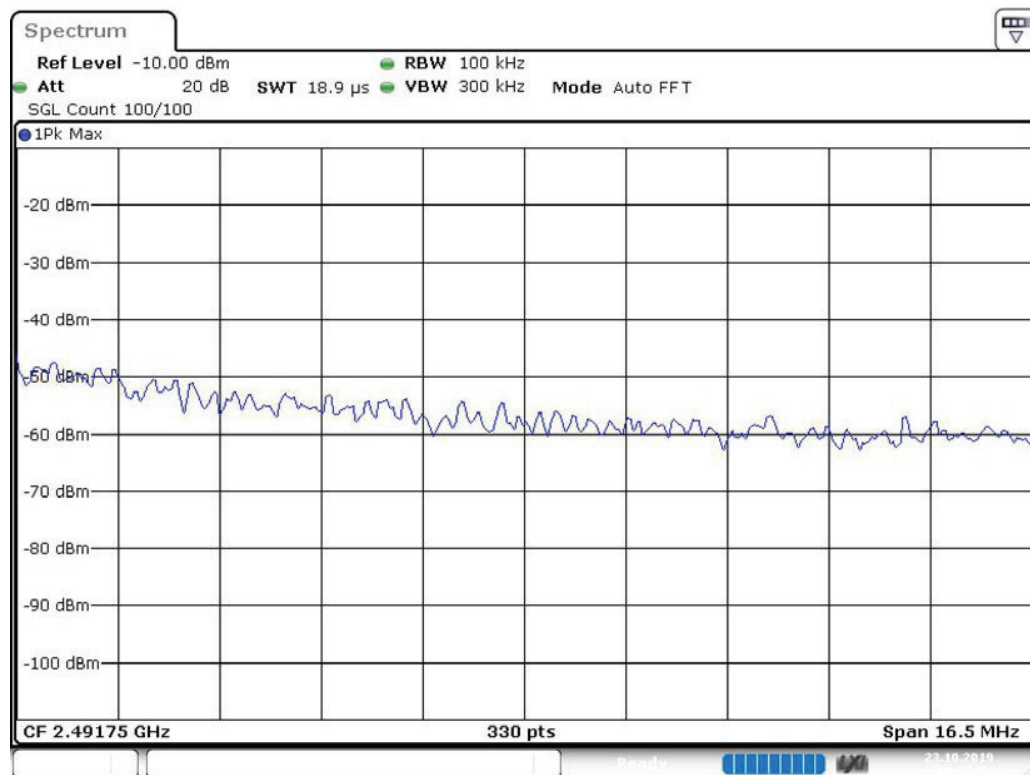
Frequency (MHz)	Level (dBm)
2467.625000	-2.2

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2483.525000	-41.7	9.5	-32.2	PASS
2484.125000	-42.8	10.6	-32.2	PASS
2484.075000	-43.3	11.1	-32.2	PASS
2484.175000	-43.3	11.2	-32.2	PASS
2483.825000	-43.7	11.5	-32.2	PASS
2483.875000	-43.8	11.6	-32.2	PASS
2484.825000	-43.9	11.7	-32.2	PASS
2484.875000	-43.9	11.8	-32.2	PASS
2485.125000	-44.1	11.9	-32.2	PASS
2483.925000	-44.2	12.0	-32.2	PASS
2483.975000	-44.2	12.0	-32.2	PASS
2485.075000	-44.2	12.1	-32.2	PASS
2483.575000	-44.4	12.2	-32.2	PASS
2483.775000	-44.5	12.3	-32.2	PASS
2484.525000	-44.7	12.5	-32.2	PASS

Band Edge





Date: 23.OCT.2019 05:36:54

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	0.000 dBm	-30.000 dBm
Attenuation	30.000 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

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	-10.000 dBm	-30.000 dBm

Setting	Instrument Value	Target Value
Attenuation	20.000 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

-- End of Test Report --