



427 West 12800 South
Draper, UT 84020

Test Report Attachment

FCC ID	SWX-U7PROM
ISED ID	6545A-U7PROM
Equipment Under Test	U7-Pro-Max
Test Report Serial Number	TR8824_01
Date of Test(s)	10 January and 5, 12 February 2024
Report Issue Date	13 February 2024

Test Personnel

Testing performed by	Evan Hartzell
-----------------------------	---------------

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 2024. 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 2024. Unified Compliance Laboratory has been assigned Conformity Assessment Number US0223 by ISED and MRA US5037.



1 UNII-5 Band

1.1 Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
Emission Bandwidth 26 dB	6435.000	24.0	20.000000	PASS
RF output power	6435.000	24.0	20.000000	PASS
In-Band Emissions	6435.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	6435.000	24.0	20.000000	PASS
Frequency Stability	6435.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	6475.000	24.0	20.000000	PASS
In-Band Emissions	6475.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	6475.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	6515.000	24.0	20.000000	PASS
In-Band Emissions	6515.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	6515.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	6445.000	24.0	40.000000	PASS
In-Band Emissions	6445.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	6445.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	6485.000	24.0	40.000000	PASS
In-Band Emissions	6485.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	6485.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	6465.000	24.0	80.000000	PASS
In-Band Emissions	6465.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	6465.000	24.0	80.000000	PASS
Emission Bandwidth 26 dB	6505.000	24.0	160.000000	PASS
In-Band Emissions	6505.000	24.0	160.000000	PASS
Occupied Channel Bandwidth 99%	6505.000	24.0	160.000000	PASS
Tx Spurious Emission	6505.000	24.0	160.000000	PASS
Emissions in restricted frequency bands (Average)	6505.000	24.0	160.000000	PASS
Emissions in restricted frequency bands (Peak)	6505.000	24.0	160.000000	PASS

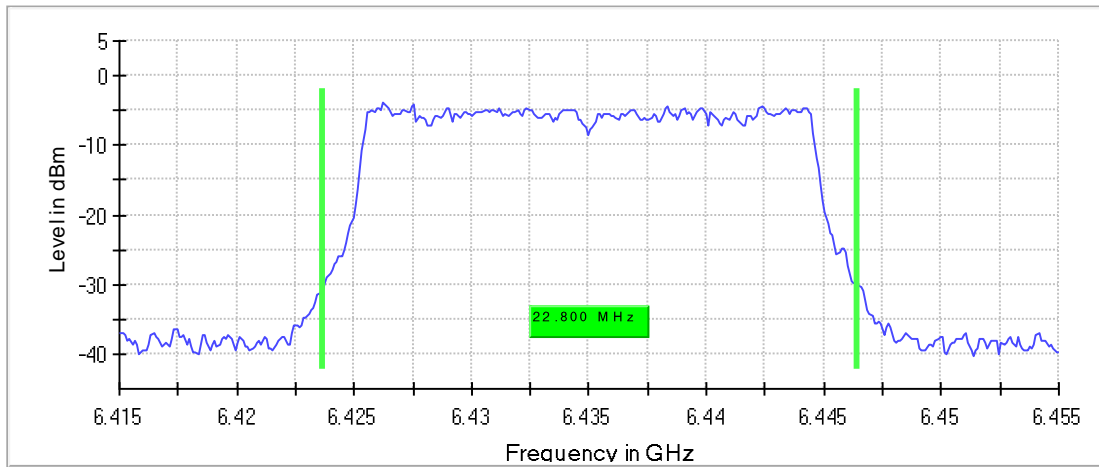
Emission Bandwidth 26 dB (6435 MHz; 24.000 dBm; 20 MHz)

26 dB Bandwidth

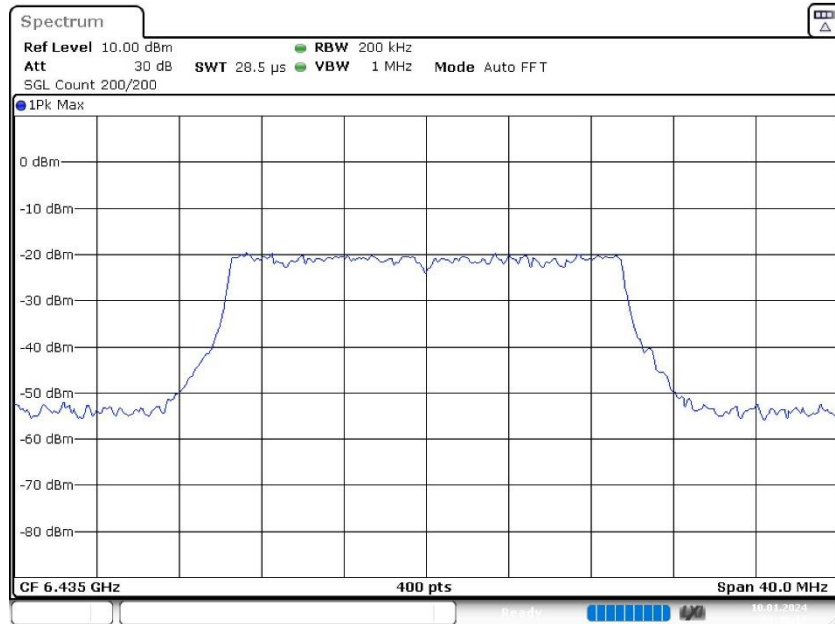
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6435.000000	22.800000	---	320.000000	6423.650000	---

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6435.000000	6446.450000	---	-4.0	PASS

26 dB Bandwidth



Bandwidth



Date: 10.JAN.2024 01:46:13

Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.41500 GHz	6.41500 GHz
Stop Frequency	6.45500 GHz	6.45500 GHz
Span	40.000 MHz	40.000 MHz
RBW	200.000 kHz	~ 200.000 kHz
VBW	1.000 MHz	>= 600.000 kHz
SweepPoints	400	~ 400
Sweeptime	28.477 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

RF output power (6435 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Gated EIRP (dBm)	Limit Max (dBm)	Gated RMS (dBm)	DutyCycle (%)	Result
6435.000000	14.8	24.0	14.8	99.714	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
-----------------	---------------	---------------

In-Band Emissions (6435 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
6435.000000	PASS

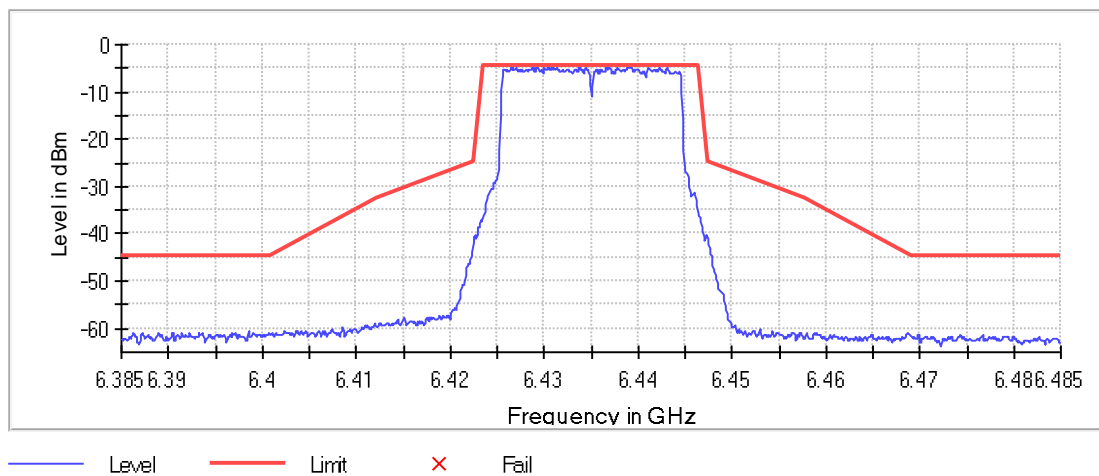
Inband Peak

Frequency (MHz)	Level (dBm)
6439.250000	-4.6

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6429.250000	-4.7	0.1	-4.6	PASS
6430.850000	-4.7	0.1	-4.6	PASS
6436.650000	-4.8	0.1	-4.6	PASS
6430.550000	-4.8	0.2	-4.6	PASS
6434.450000	-4.8	0.2	-4.6	PASS
6438.950000	-4.8	0.2	-4.6	PASS
6437.050000	-4.9	0.2	-4.6	PASS
6431.350000	-4.9	0.3	-4.6	PASS
6426.450000	-4.9	0.3	-4.6	PASS
6439.150000	-4.9	0.3	-4.6	PASS
6429.150000	-4.9	0.3	-4.6	PASS
6428.750000	-4.9	0.3	-4.6	PASS
6430.450000	-4.9	0.3	-4.6	PASS
6428.850000	-4.9	0.3	-4.6	PASS
6436.550000	-4.9	0.3	-4.6	PASS

In Band



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	6.38500 GHz	6.38500 GHz
Stop Frequency	6.48500 GHz	6.48500 GHz
Span	100.000 MHz	100.000 MHz
RBW	200.000 kHz	~ 200.000 kHz
VBW	500.000 kHz	~ 600.000 kHz
SweepPoints	1000	~ 1000
Sweptime	1.050 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	Sweep	Sweep
Preamp	off	off

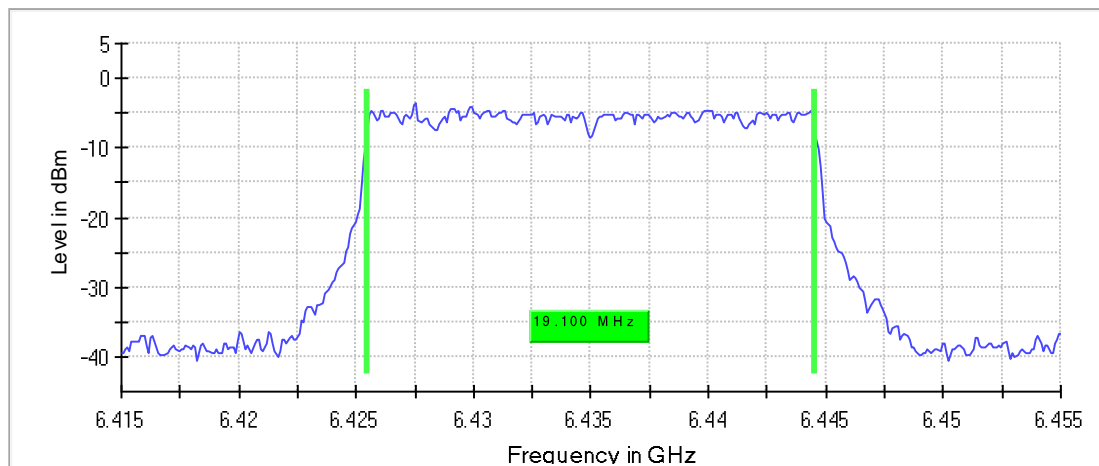
Occupied Channel Bandwidth 99% (6435 MHz; 24.000 dBm; 20 MHz)

99 % Bandwidth

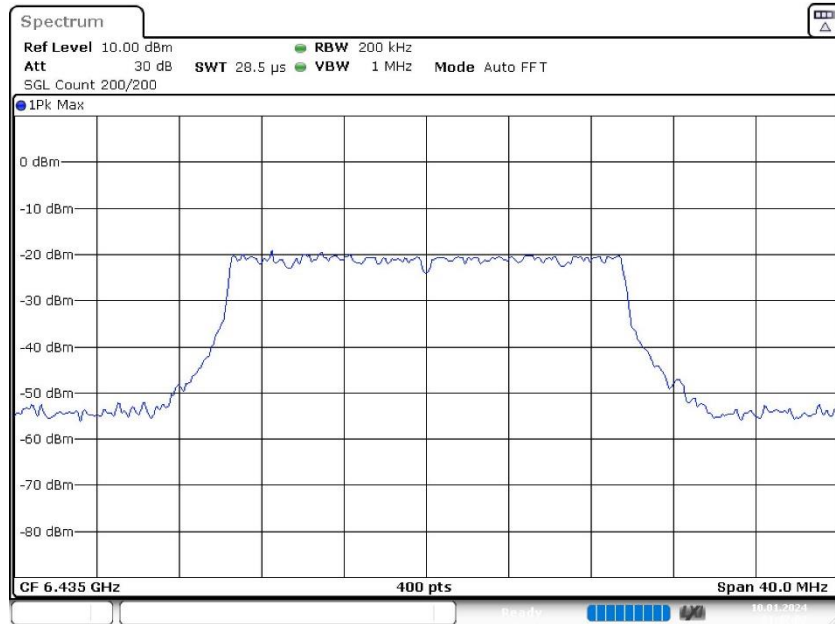
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6435.000000	19.100000	---	320.000000	6425.450000	5925.000000

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6435.000000	6444.550000	7125.000000	PASS

99 %Bandwidth



Bandwidth



Measurement

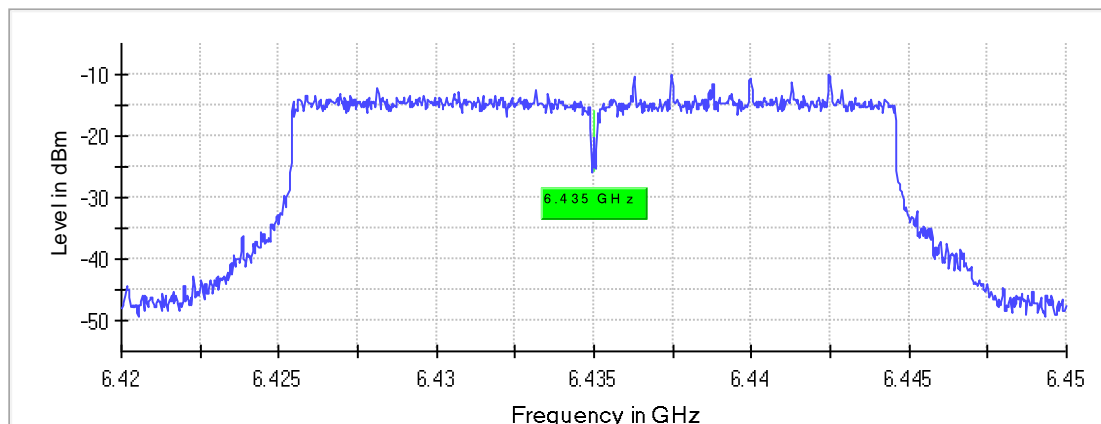
Setting	Instrument Value	Target Value
Start Frequency	6.41500 GHz	6.41500 GHz
Stop Frequency	6.45500 GHz	6.45500 GHz
Span	40.000 MHz	40.000 MHz
RBW	200.000 kHz	\geq 200.000 kHz
VBW	1.000 MHz	\geq 600.000 kHz
SweepPoints	400	\sim 400
SweepTime	28.477 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

Frequency Stability (6435 MHz; 24.000 dBm; 20 MHz)

Result

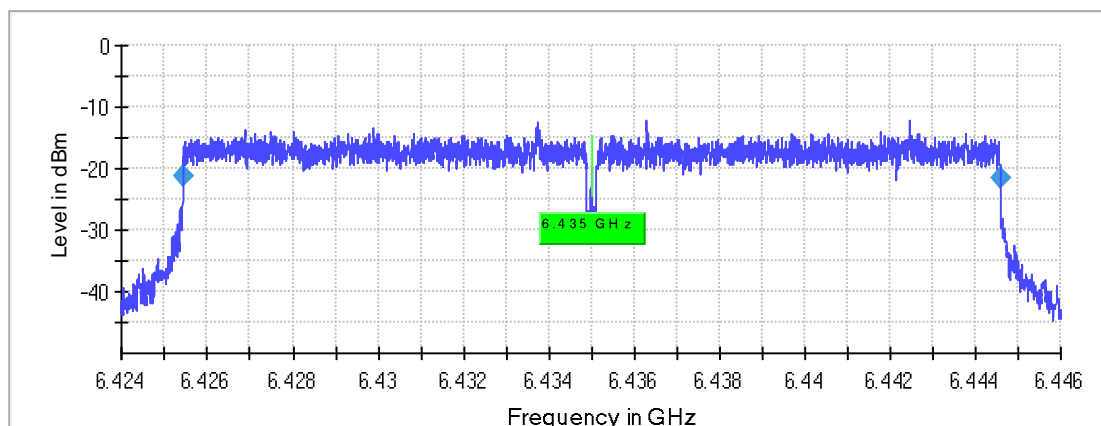
DUT Frequency (MHz)	Frequency (MHz)	Difference (ppm)	Frequency Difference (kHz)	Limit Min (MHz)	Limit Max (MHz)	Result
6435.000000	6434.994914	0.790	-5.086000	---	---	PASS

Frequency stability Pre



— Center frequency — Max Hold

Frequency stability



◆ Edge points — Max Hold — Center frequency

Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.42399 GHz	6.42399 GHz
Stop Frequency	6.44599 GHz	6.44599 GHz
Span	22.000 MHz	22.000 MHz
RBW	20.000 kHz	<= 22.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	10001	~ 10001
Sweeptime	473.902 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	50	50
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

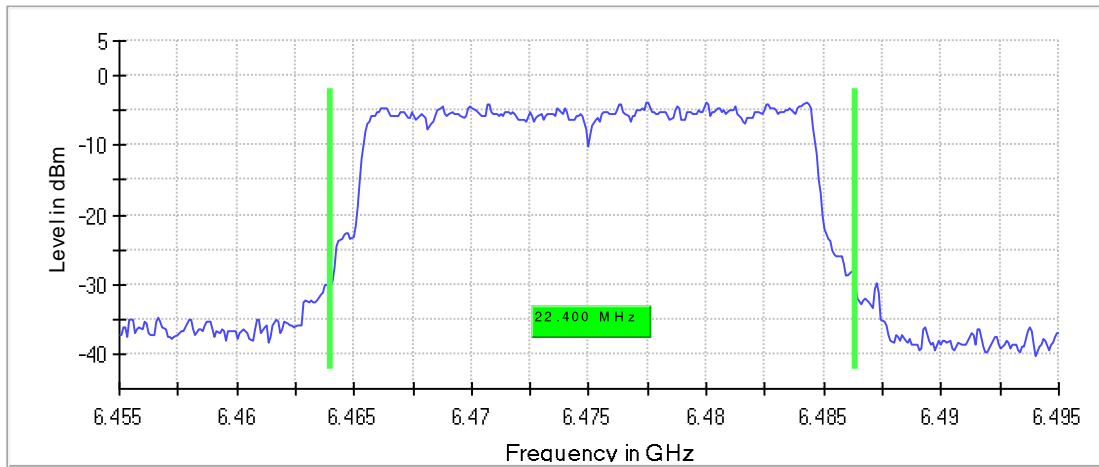
Emission Bandwidth 26 dB (6475 MHz; 24.000 dBm; 20 MHz)

26 dB Bandwidth

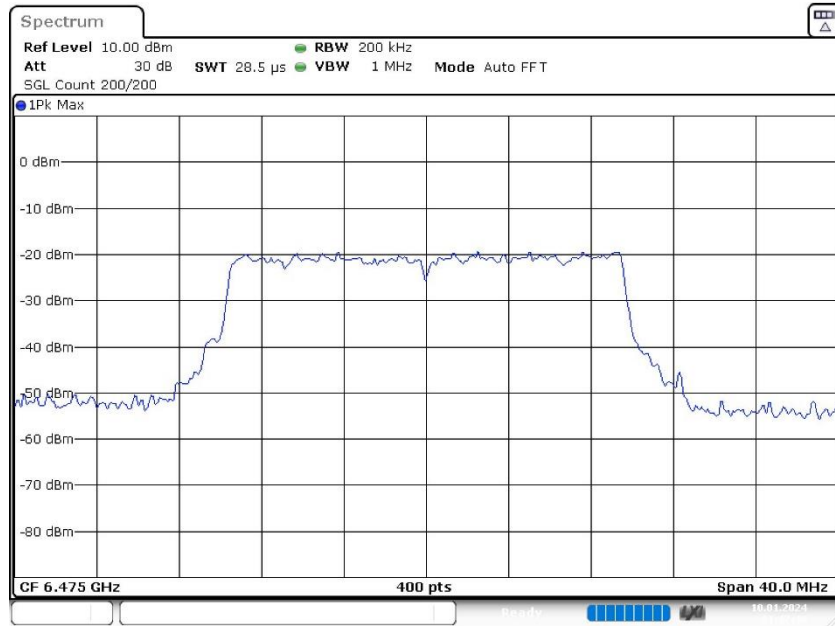
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6475.000000	22.400000	---	320.000000	6463.950000	---

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max R BE (MHz)	Max Level (dBm)	Result
6475.000000	6486.350000	---	-3.9	PASS

26 dB Bandwidth



Bandwidth



Date: 10.JAN.2024 01:47:41

In-Band Emissions (6475 MHz; 24.000 dBm; 20 MHz)

Result

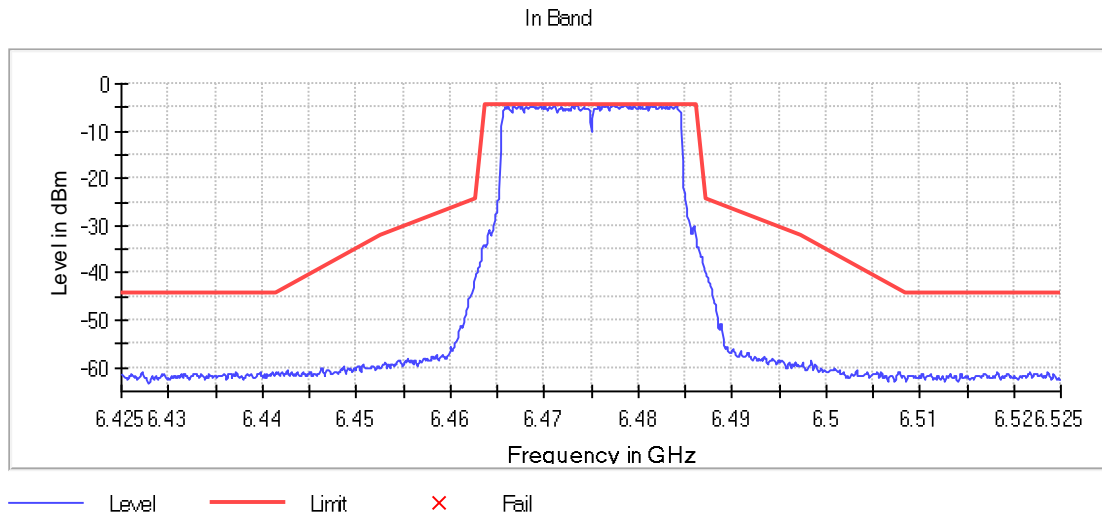
DUT Frequency (MHz)	Result
6475.000000	PASS

Inband Peak

Frequency (MHz)	Level (dBm)
6481.350000	-4.3

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6476.750000	-4.4	0.1	-4.3	PASS
6476.250000	-4.4	0.1	-4.3	PASS
6478.550000	-4.4	0.2	-4.3	PASS
6480.950000	-4.5	0.2	-4.3	PASS
6472.950000	-4.5	0.2	-4.3	PASS
6475.750000	-4.5	0.3	-4.3	PASS
6477.450000	-4.5	0.3	-4.3	PASS
6473.450000	-4.5	0.3	-4.3	PASS
6471.050000	-4.6	0.3	-4.3	PASS
6477.350000	-4.6	0.3	-4.3	PASS
6473.550000	-4.6	0.3	-4.3	PASS
6478.650000	-4.6	0.3	-4.3	PASS
6467.350000	-4.6	0.4	-4.3	PASS
6480.150000	-4.6	0.4	-4.3	PASS
6484.150000	-4.6	0.4	-4.3	PASS

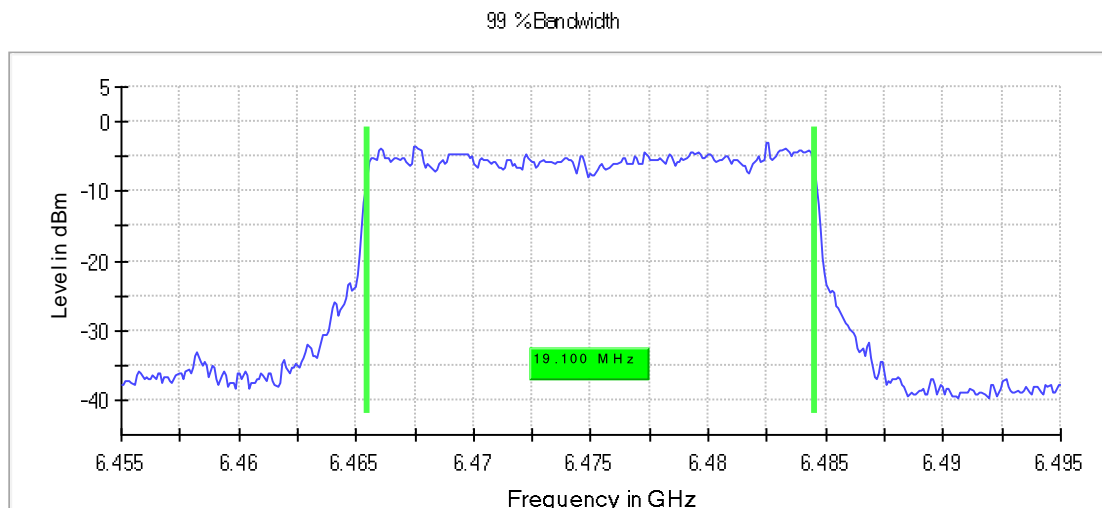


Occupied Channel Bandwidth 99% (6475 MHz; 24.000 dBm; 20 MHz)

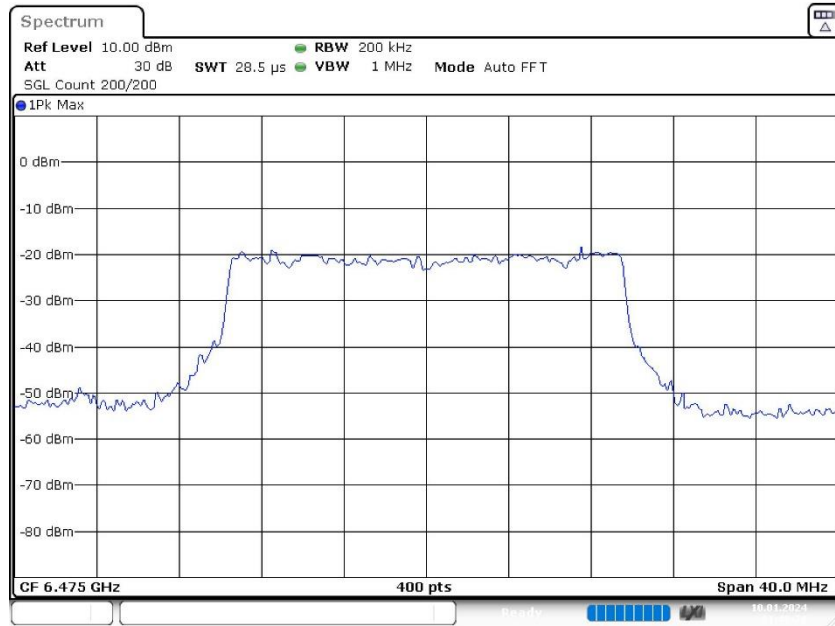
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6475.000000	19.100000	---	320.000000	6465.450000	5925.000000

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6475.000000	6484.550000	7125.000000	PASS



Bandwidth



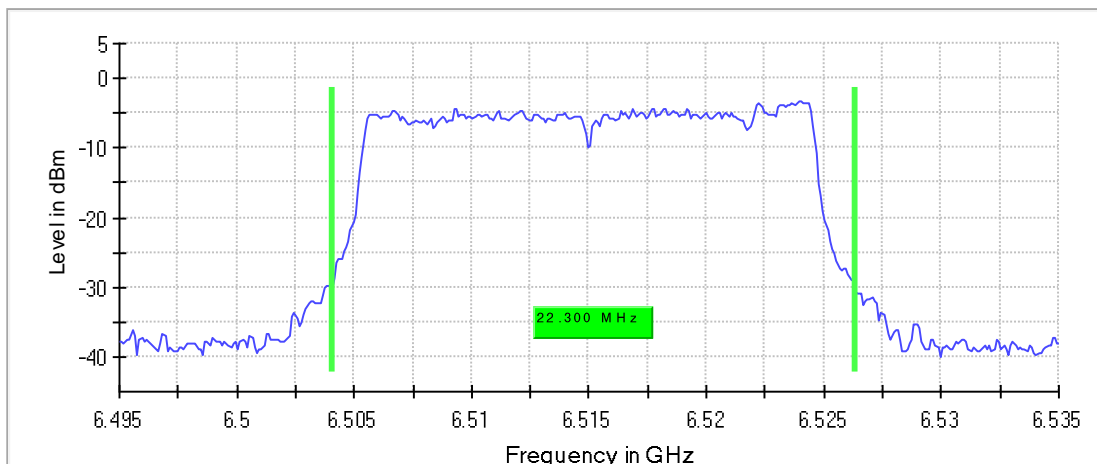
Emission Bandwidth 26 dB (6515 MHz; 24.000 dBm; 20 MHz)

26 dB Bandwidth

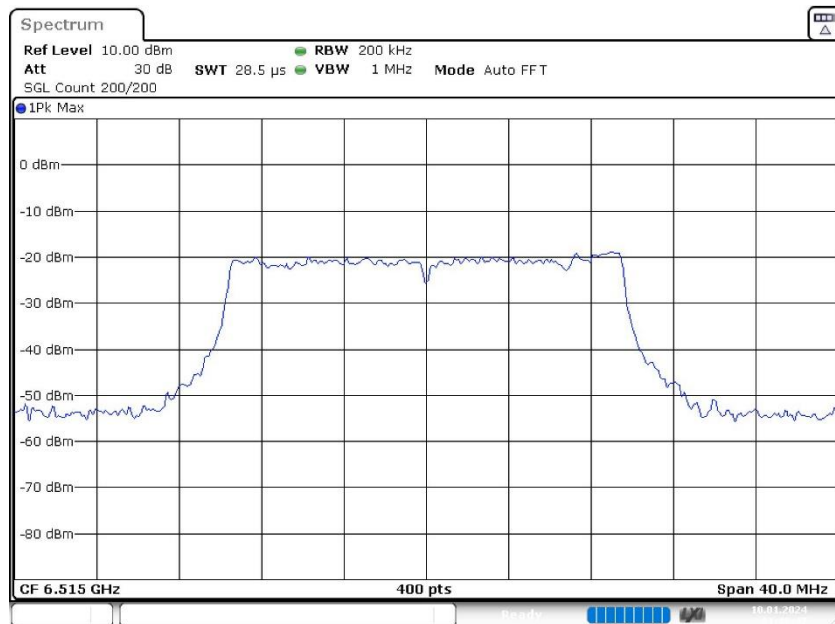
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6515.000000	22.300000	---	320.000000	6504.050000	---

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6515.000000	6526.350000	---	-3.2	PASS

26 dB Bandwidth



Bandwidth



In-Band Emissions (6515 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
6515.000000	PASS

Inband Peak

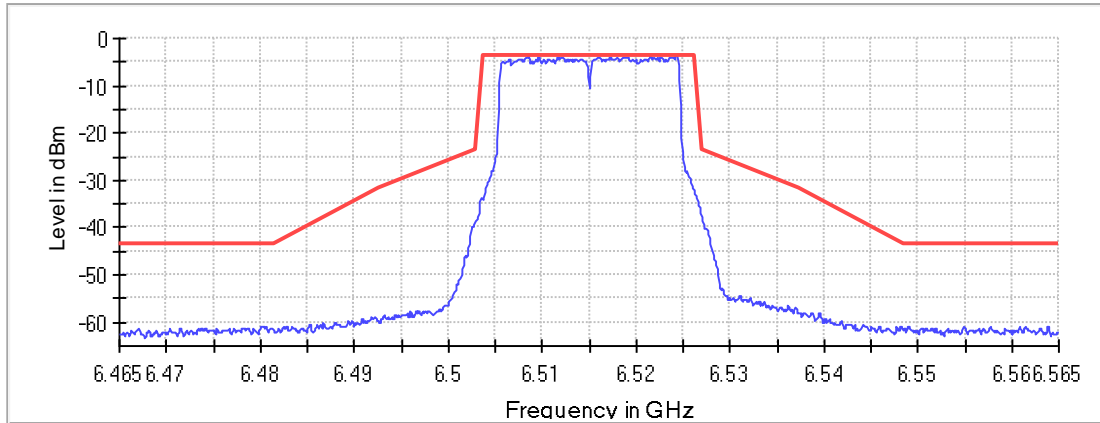
Frequency (MHz)	Level (dBm)
6524.350000	-3.5

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6524.350000	-3.5	0.0	-3.5	PASS
6524.450000	-3.8	0.3	-3.5	PASS
6521.550000	-3.8	0.3	-3.5	PASS
6524.250000	-3.8	0.3	-3.5	PASS
6508.550000	-3.9	0.3	-3.5	PASS
6517.950000	-3.9	0.4	-3.5	PASS
6508.450000	-3.9	0.4	-3.5	PASS
6521.650000	-4.0	0.4	-3.5	PASS
6518.050000	-4.0	0.5	-3.5	PASS
6523.750000	-4.0	0.5	-3.5	PASS
6512.150000	-4.0	0.5	-3.5	PASS
6521.950000	-4.0	0.5	-3.5	PASS
6515.850000	-4.0	0.5	-3.5	PASS
6511.650000	-4.0	0.5	-3.5	PASS

6512.250000	-4.0	0.5	-3.5	PASS
-------------	------	-----	------	------

In Band



— Level — Limit × Fail

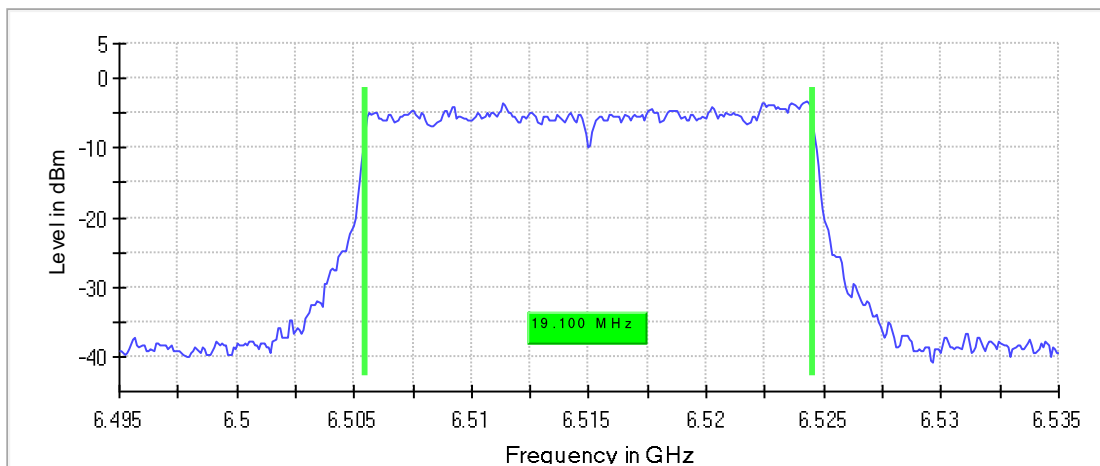
Occupied Channel Bandwidth 99% (6515 MHz; 24.000 dBm; 20 MHz)

99 % Bandwidth

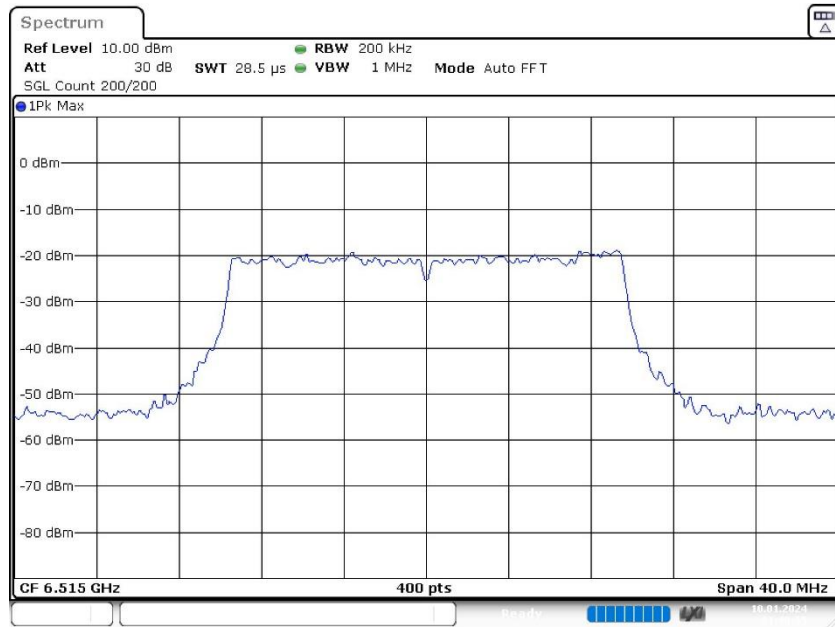
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6515.000000	19.100000	---	320.000000	6505.450000	5925.000000

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6515.000000	6524.550000	7125.000000	PASS

99 % Bandwidth



Bandwidth



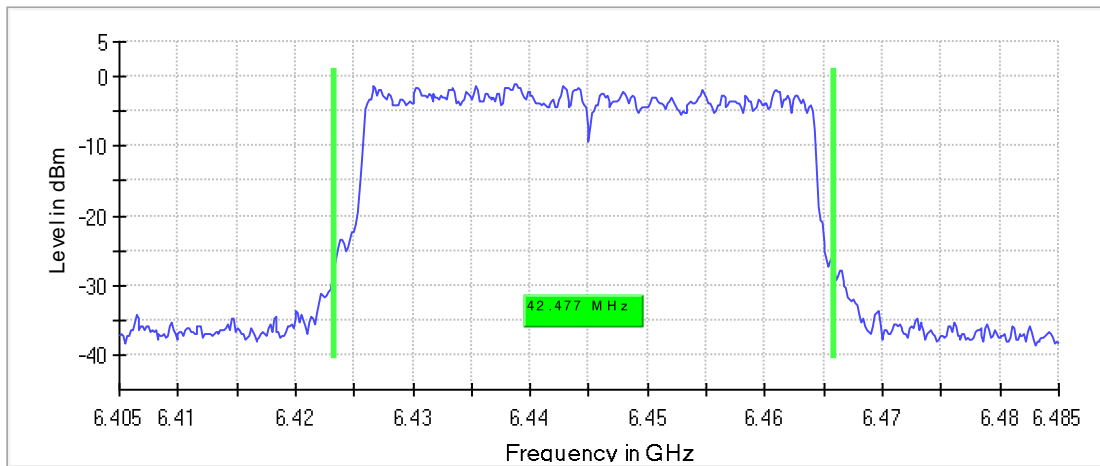
Emission Bandwidth 26 dB (6445 MHz; 24.000 dBm; 40 MHz)

26 dB Bandwidth

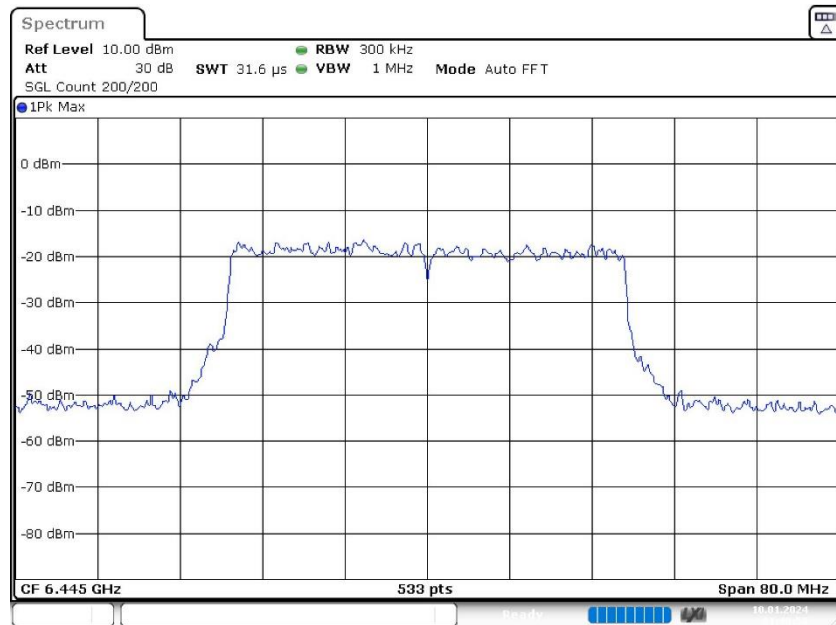
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6445.000000	42.476547	---	320.000000	6423.386492	---

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6445.000000	6465.863039	---	-1.0	PASS

26 dB Bandwidth



Bandwidth



Date: 10.JAN.2024 01:49:59

In-Band Emissions (6445 MHz; 24.000 dBm; 40 MHz)

Result

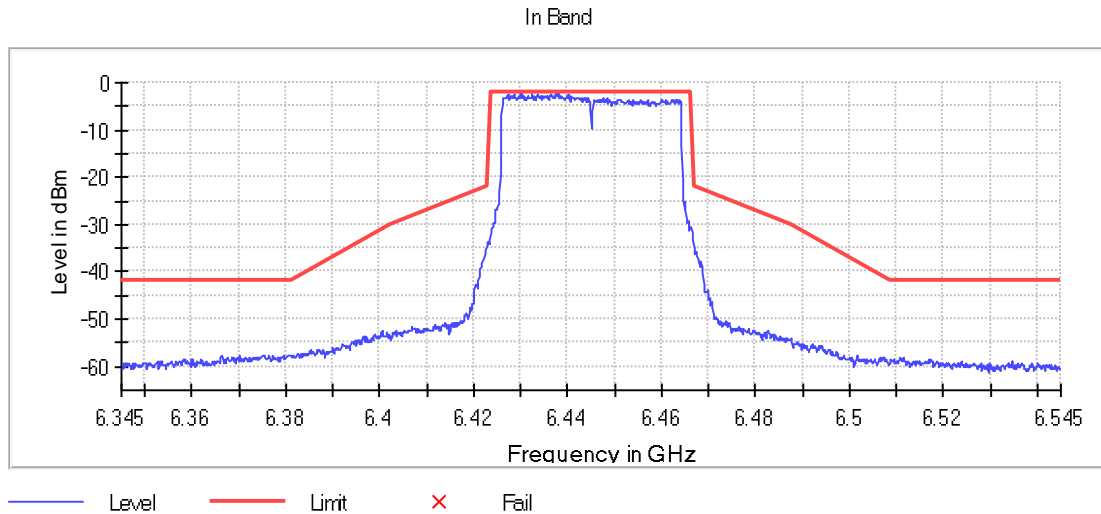
DUT Frequency (MHz)	Result
6445.000000	PASS

Inband Peak

Frequency (MHz)	Level (dBm)
6437.798200	-2.0

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6430.146287	-2.1	0.1	-2.0	PASS
6437.648162	-2.3	0.3	-2.0	PASS
6430.296324	-2.5	0.5	-2.0	PASS
6436.447862	-2.5	0.5	-2.0	PASS
6437.498125	-2.5	0.5	-2.0	PASS
6440.198800	-2.5	0.6	-2.0	PASS
6428.645911	-2.5	0.6	-2.0	PASS
6429.996249	-2.6	0.6	-2.0	PASS
6427.295574	-2.6	0.6	-2.0	PASS
6432.396849	-2.6	0.6	-2.0	PASS
6433.597149	-2.6	0.6	-2.0	PASS
6438.248312	-2.6	0.6	-2.0	PASS
6429.696174	-2.7	0.7	-2.0	PASS
6435.397599	-2.7	0.7	-2.0	PASS
6435.247562	-2.7	0.7	-2.0	PASS

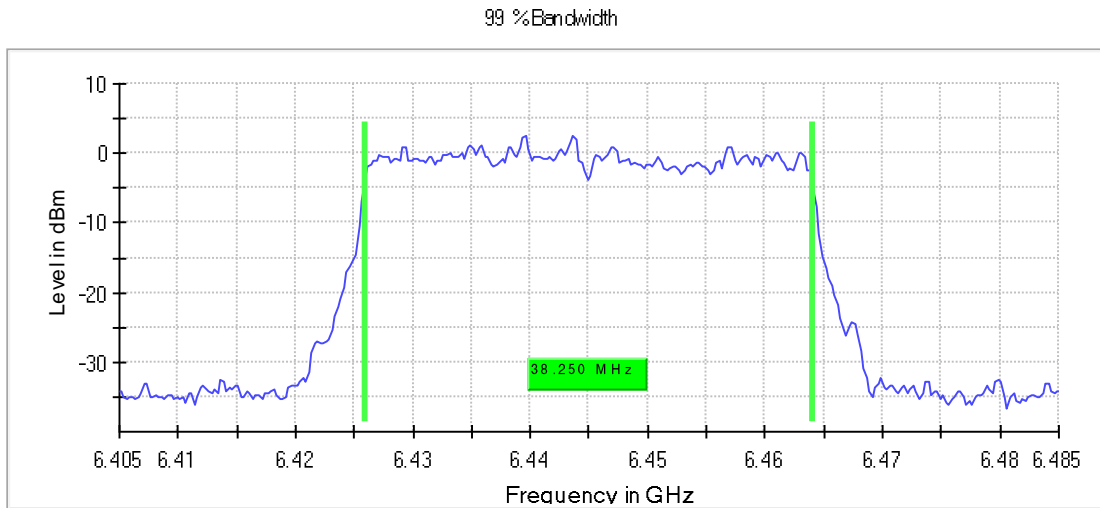


Occupied Channel Bandwidth 99% (6445 MHz; 24.000 dBm; 40 MHz)

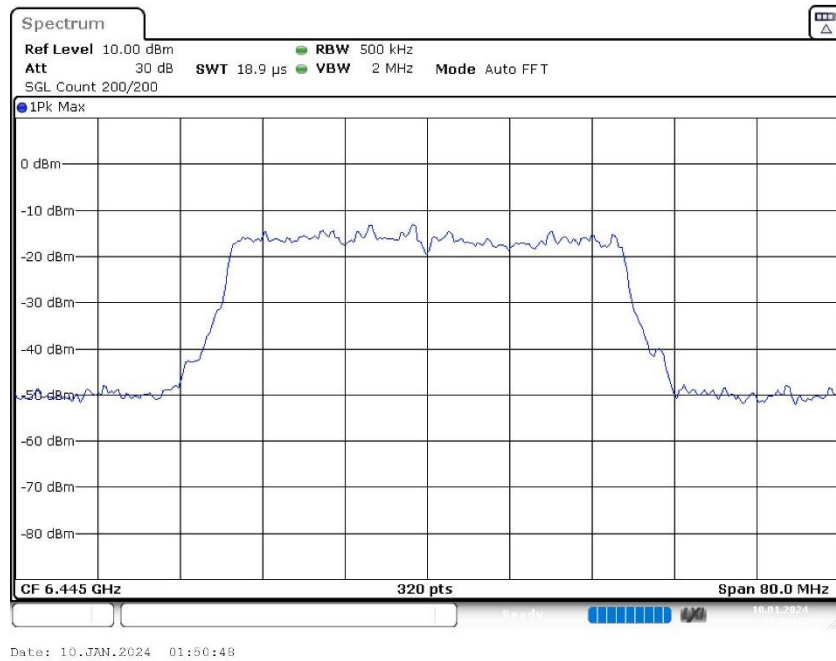
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6445.000000	38.250000	---	320.000000	6425.875000	5925.000000

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6445.000000	6464.125000	7125.000000	PASS



Bandwidth



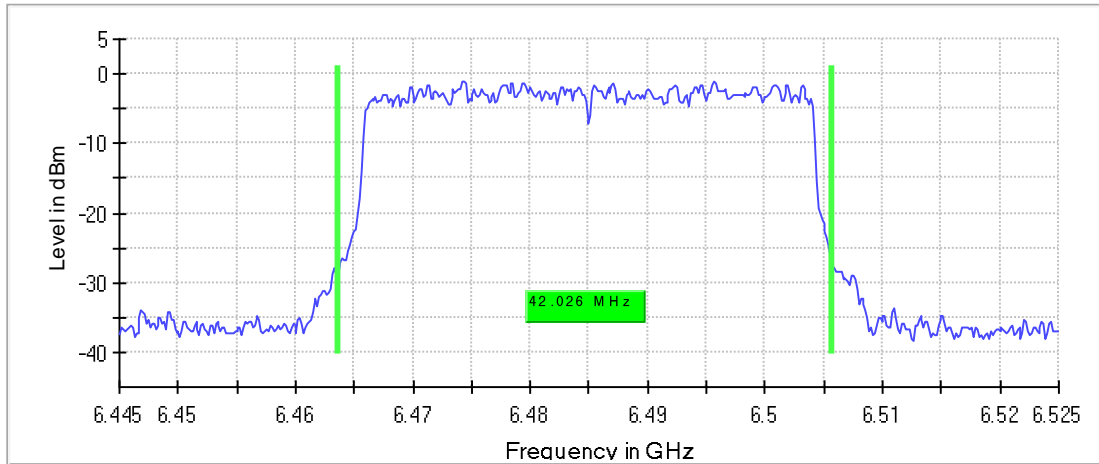
Emission Bandwidth 26 dB (6485 MHz; 24.000 dBm; 40 MHz)

26 dB Bandwidth

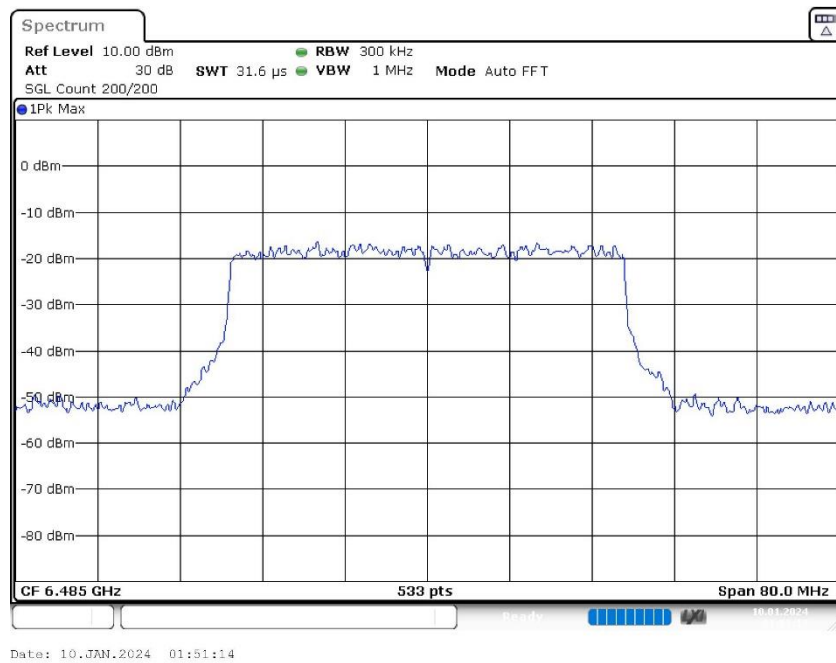
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6485.000000	42.026267	---	320.000000	6463.686679	---

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6485.000000	6505.712946	---	-0.9	PASS

26 dB Bandwidth



Bandwidth



In-Band Emissions (6485 MHz; 24.000 dBm; 40 MHz)

Result

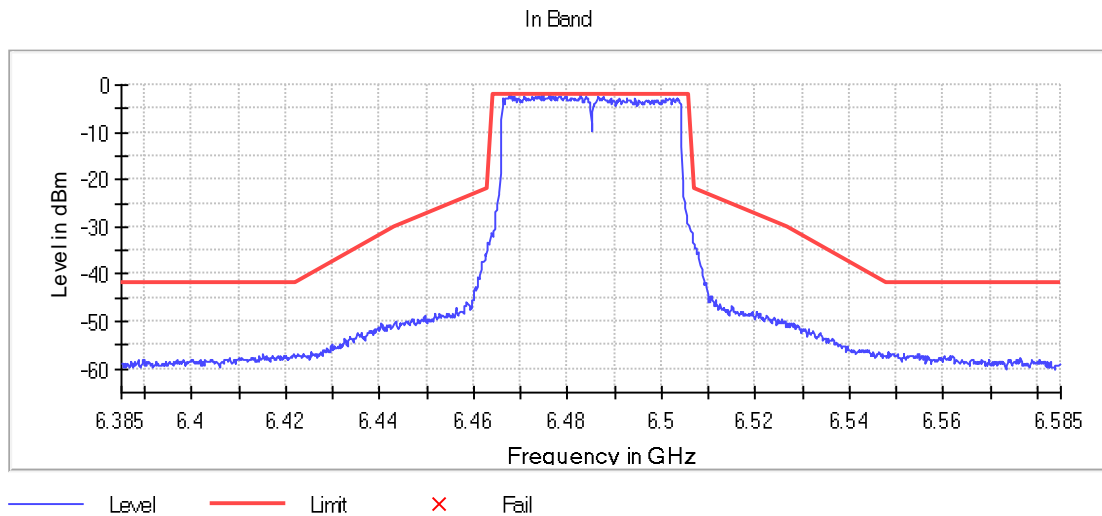
DUT Frequency (MHz)	Result
6485.000000	PASS

Inband Peak

Frequency (MHz)	Level (dBm)
6474.797449	-2.0

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6476.147787	-2.1	0.1	-2.0	PASS
6474.647412	-2.2	0.2	-2.0	PASS
6482.749437	-2.2	0.2	-2.0	PASS
6467.745686	-2.2	0.2	-2.0	PASS
6474.947487	-2.3	0.3	-2.0	PASS
6487.700675	-2.3	0.3	-2.0	PASS
6483.949737	-2.3	0.3	-2.0	PASS
6473.897224	-2.3	0.3	-2.0	PASS
6467.595649	-2.3	0.4	-2.0	PASS
6477.498125	-2.4	0.4	-2.0	PASS
6479.748687	-2.4	0.4	-2.0	PASS
6482.899475	-2.4	0.4	-2.0	PASS
6479.448612	-2.4	0.4	-2.0	PASS
6472.546887	-2.4	0.4	-2.0	PASS
6478.398350	-2.4	0.4	-2.0	PASS



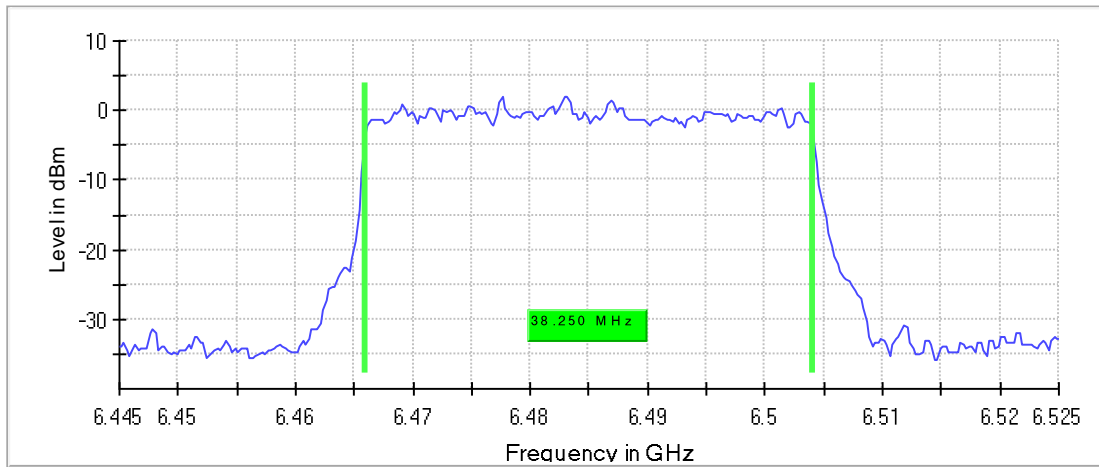
Occupied Channel Bandwidth 99% (6485 MHz; 24.000 dBm; 40 MHz)

99 % Bandwidth

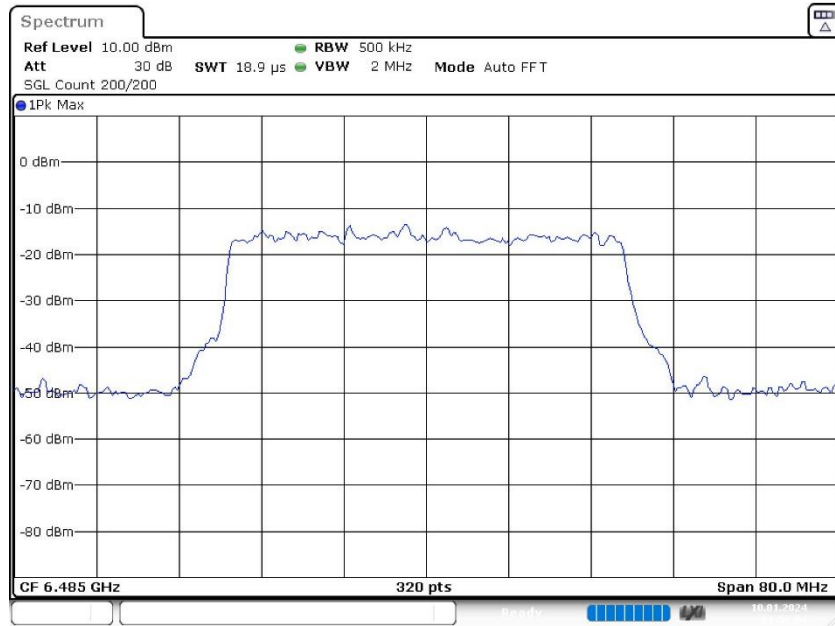
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6485.000000	38.250000	---	320.000000	6465.875000	5925.000000

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6485.000000	6504.125000	7125.000000	PASS

99 %Bandwidth



Bandwidth



Date: 10.JAN.2024 01:52:04

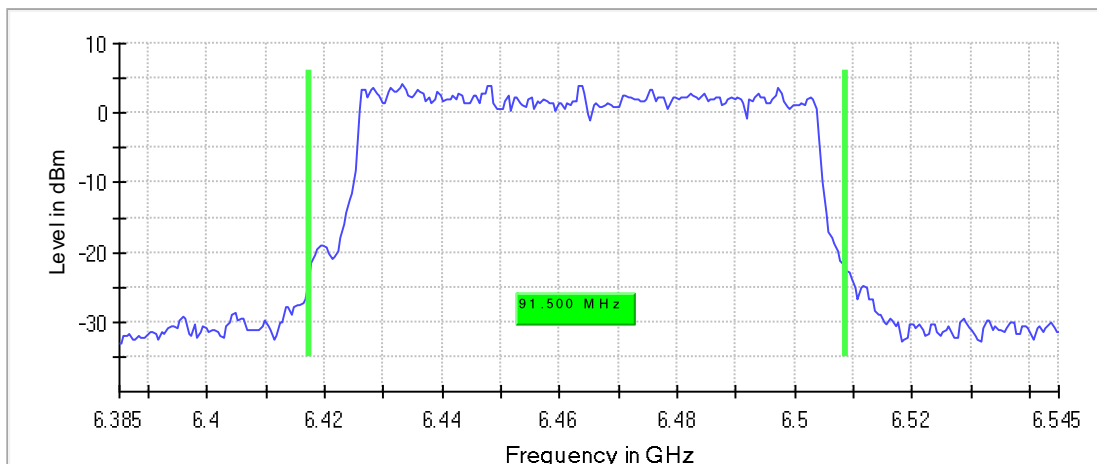
Emission Bandwidth 26 dB (6465 MHz; 24.000 dBm; 80 MHz)

26 dB Bandwidth

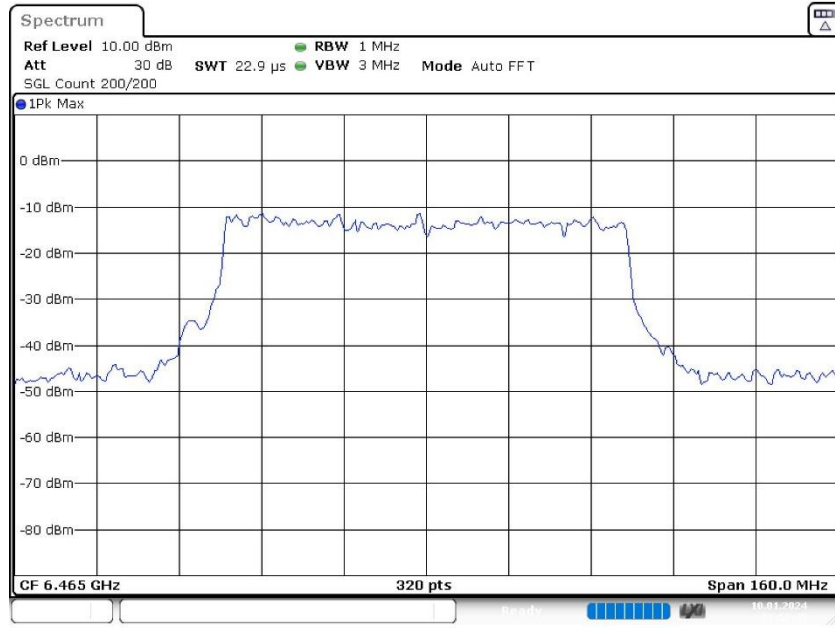
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6465.000000	91.500000	---	320.000000	6417.250000	---

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6465.000000	6508.750000	---	4.1	PASS

26 dB Bandwidth



Bandwidth



In-Band Emissions (6465 MHz; 24.000 dBm; 80 MHz)

Result

DUT Frequency (MHz)	Result
6465.000000	PASS

Inband Peak

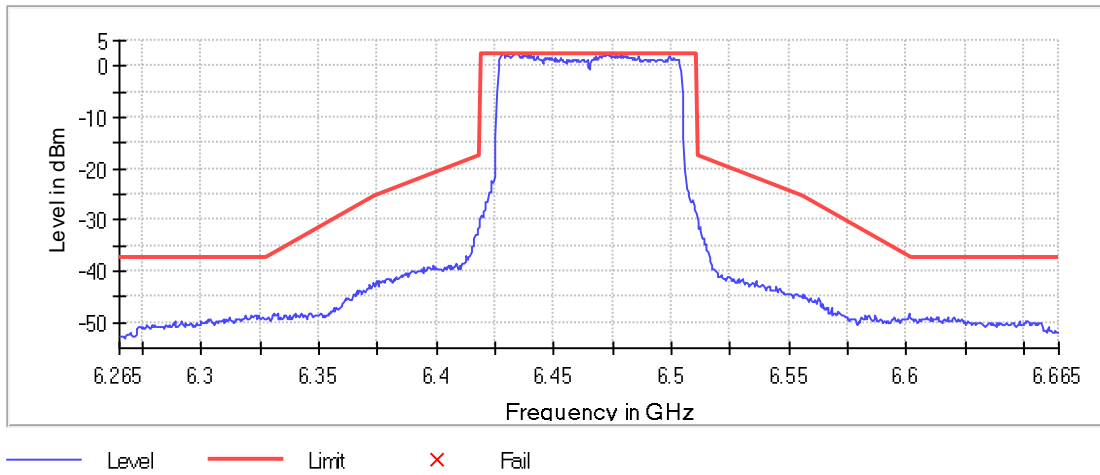
Frequency (MHz)	Level (dBm)
6433.250000	2.5

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6437.250000	2.4	0.0	2.5	PASS
6433.750000	2.4	0.0	2.5	PASS
6429.750000	2.4	0.1	2.5	PASS
6434.750000	2.4	0.1	2.5	PASS
6440.250000	2.3	0.2	2.5	PASS
6428.750000	2.2	0.2	2.5	PASS
6439.250000	2.2	0.2	2.5	PASS
6478.750000	2.2	0.2	2.5	PASS
6428.250000	2.2	0.2	2.5	PASS
6435.250000	2.2	0.2	2.5	PASS
6472.750000	2.2	0.3	2.5	PASS
6434.250000	2.2	0.3	2.5	PASS

6471.750000	2.2	0.3	2.5	PASS
6469.750000	2.2	0.3	2.5	PASS
6432.750000	2.1	0.3	2.5	PASS

In Band



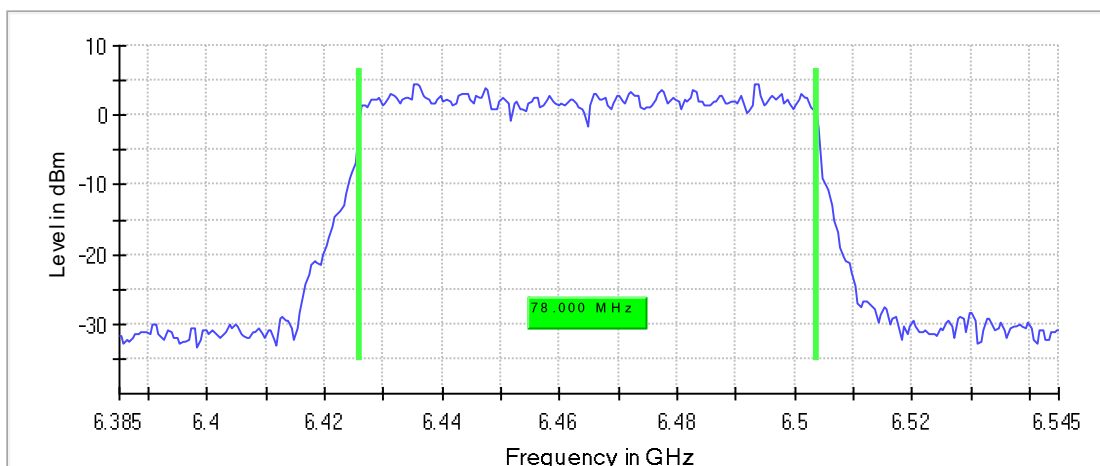
Occupied Channel Bandwidth 99% (6465 MHz; 24.000 dBm; 80 MHz)

99 % Bandwidth

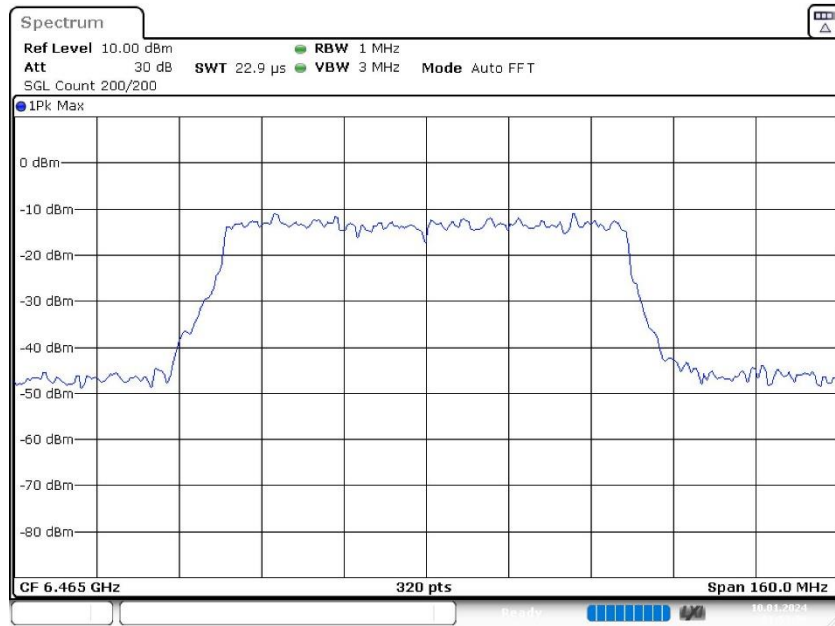
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6465.000000	78.000000	---	320.000000	6425.750000	5925.000000

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6465.000000	6503.750000	7125.000000	PASS

99 %Bandwidth



Bandwidth



Date: 10.JAN.2024 01:53:36

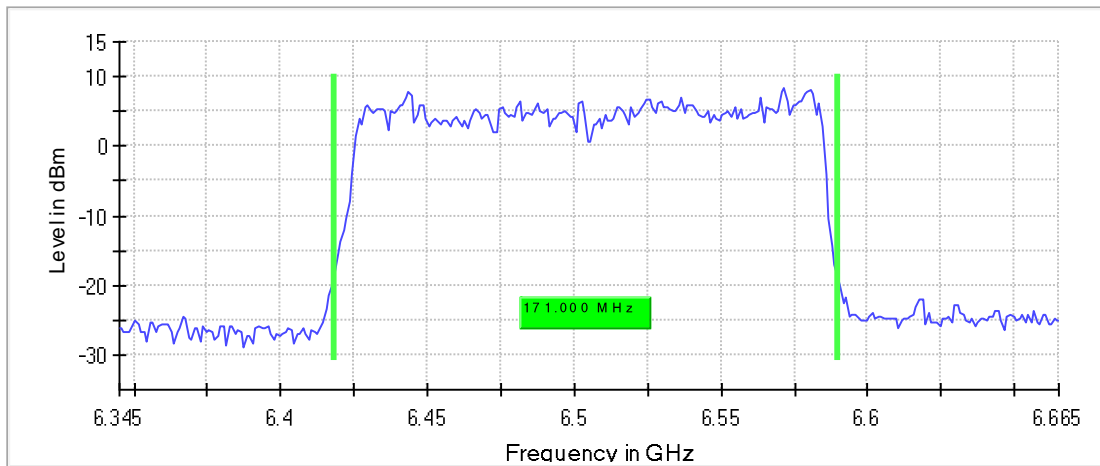
Emission Bandwidth 26 dB (6505 MHz; 24.000 dBm; 160 MHz)

26 dB Bandwidth

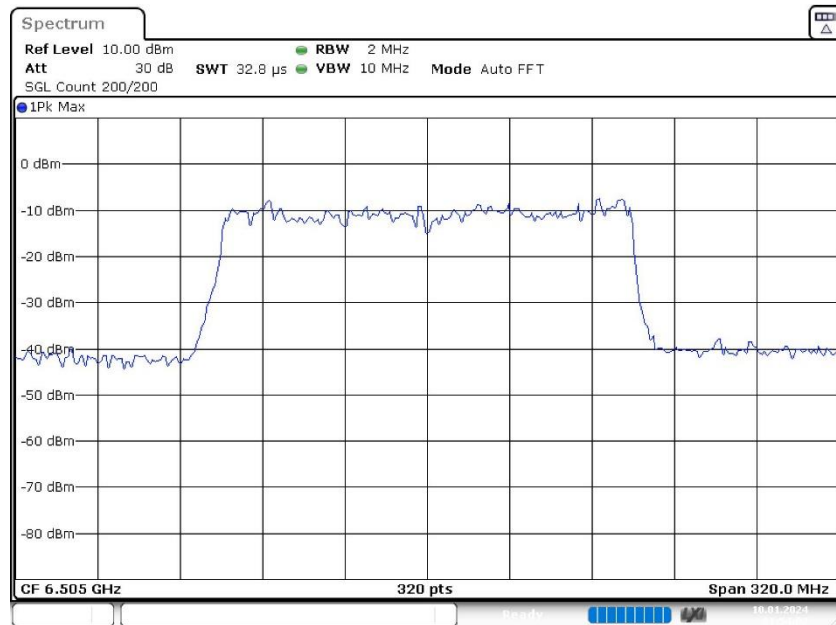
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 6 (MHz)	Bandwidth U-NII 7 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6505.000000	171.000000	106.500000	64.500000	---	320.000000

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6505.000000	6418.500000	---	6589.500000	---	8.2	PASS

26 dB Bandwidth



Bandwidth



In-Band Emissions (6505 MHz; 24.000 dBm; 160 MHz)

Result

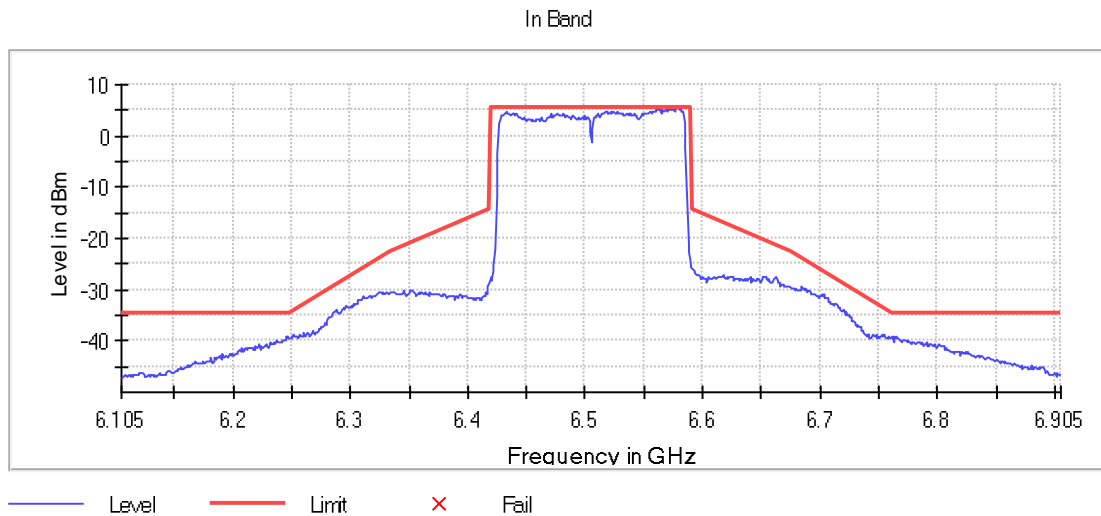
DUT Frequency (MHz)	Result
6505.000000	PASS

Inband Peak

Frequency (MHz)	Level (dBm)
6581.500000	5.5

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6579.500000	5.3	0.2	5.5	PASS
6578.500000	5.3	0.2	5.5	PASS
6563.500000	5.3	0.2	5.5	PASS
6580.500000	5.2	0.3	5.5	PASS
6571.500000	5.2	0.3	5.5	PASS
6573.500000	5.2	0.3	5.5	PASS
6560.500000	5.2	0.3	5.5	PASS
6575.500000	5.1	0.4	5.5	PASS
6574.500000	5.1	0.4	5.5	PASS
6577.500000	5.0	0.5	5.5	PASS
6565.500000	5.0	0.5	5.5	PASS
6568.500000	5.0	0.5	5.5	PASS
6561.500000	5.0	0.5	5.5	PASS
6562.500000	5.0	0.5	5.5	PASS
6572.500000	5.0	0.5	5.5	PASS

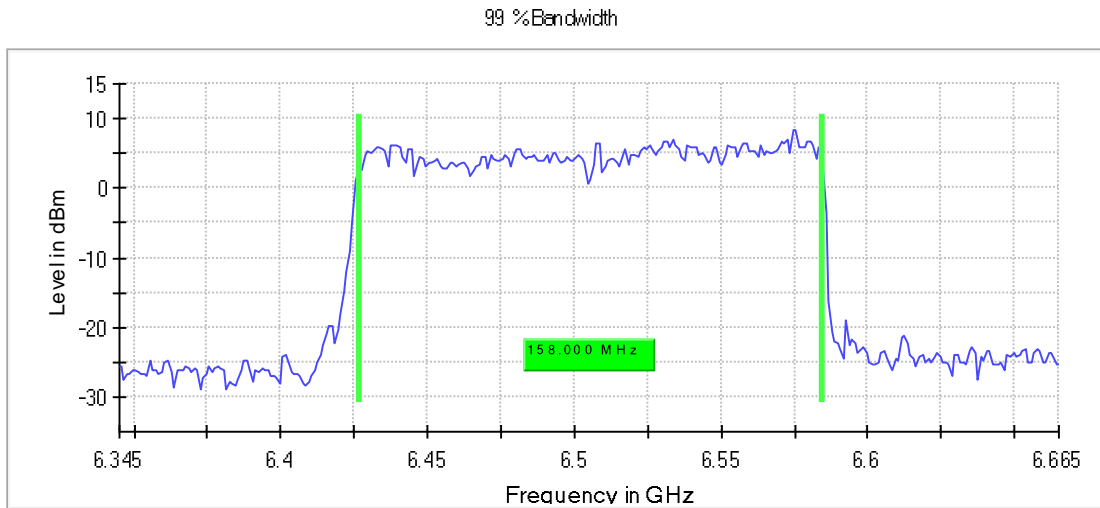


Occupied Channel Bandwidth 99% (6505 MHz; 24.000 dBm; 160 MHz)

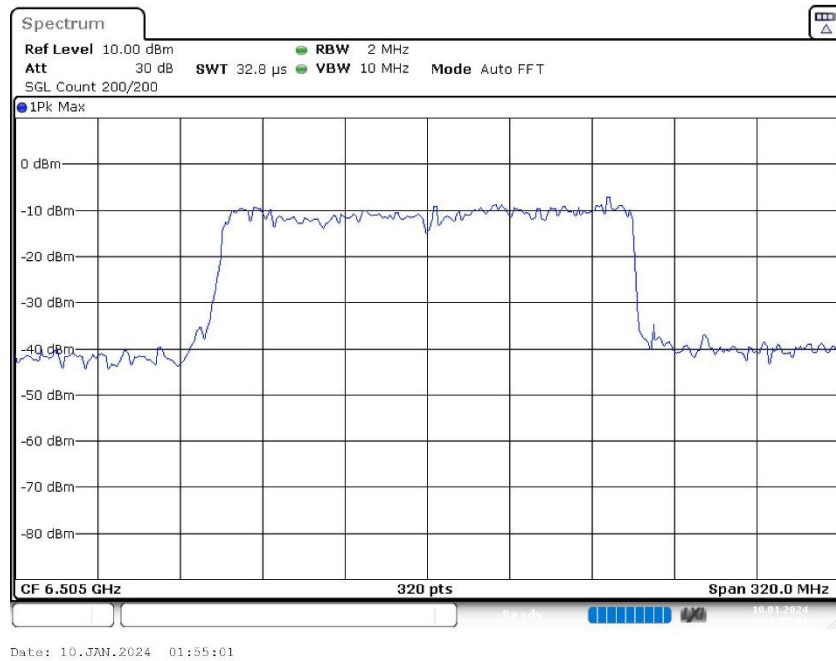
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 6 (MHz)	Bandwidth U-NII 7 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6505.000000	158.000000	98.500000	59.500000	---	320.000000

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6505.000000	6426.500000	5925.000000	6584.500000	7125.000000	PASS



Bandwidth



Tx Spurious Emission (6505 MHz; 24.000 dBm; 160 MHz)

Result

DUT Frequency (MHz)	Result
6505.000000	PASS

Final measurements

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

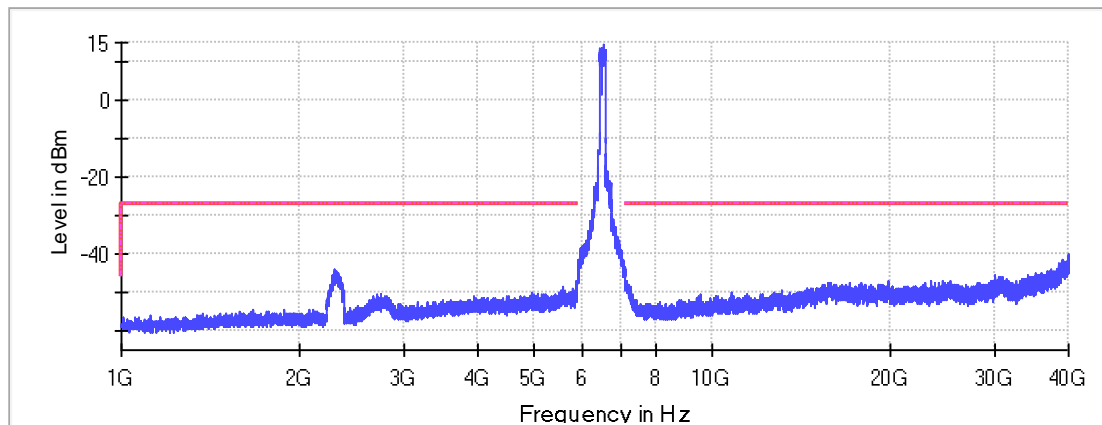
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
1000.000000	-57.9	12.0	-45.9
39955.750000	-40.1	13.1	-27.0
39979.750000	-40.5	13.5	-27.0
39956.250000	-41.1	14.1	-27.0
39965.250000	-41.3	14.3	-27.0
39999.750000	-41.3	14.3	-27.0
40000.000000	-41.3	14.3	-27.0
39971.750000	-41.3	14.3	-27.0
39983.750000	-41.4	14.4	-27.0
39208.750000	-41.5	14.5	-27.0
39966.250000	-41.5	14.5	-27.0
39949.250000	-41.5	14.5	-27.0
39966.750000	-41.6	14.6	-27.0
39147.250000	-41.6	14.6	-27.0
39997.250000	-41.7	14.7	-27.0

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	2	2
5925.000000	7125.000000	2	2
7125.000000	18000.000000	2	2
18000.000000	26000.000000	2	2
26000.000000	40000.000000	2	2

Spurious



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

Emissions in restricted frequency bands (Average) (6505 MHz; 24.000 dBm; 160 MHz)

Result

DUT Frequency (MHz)	Result
6505.000000	PASS

Final measurements

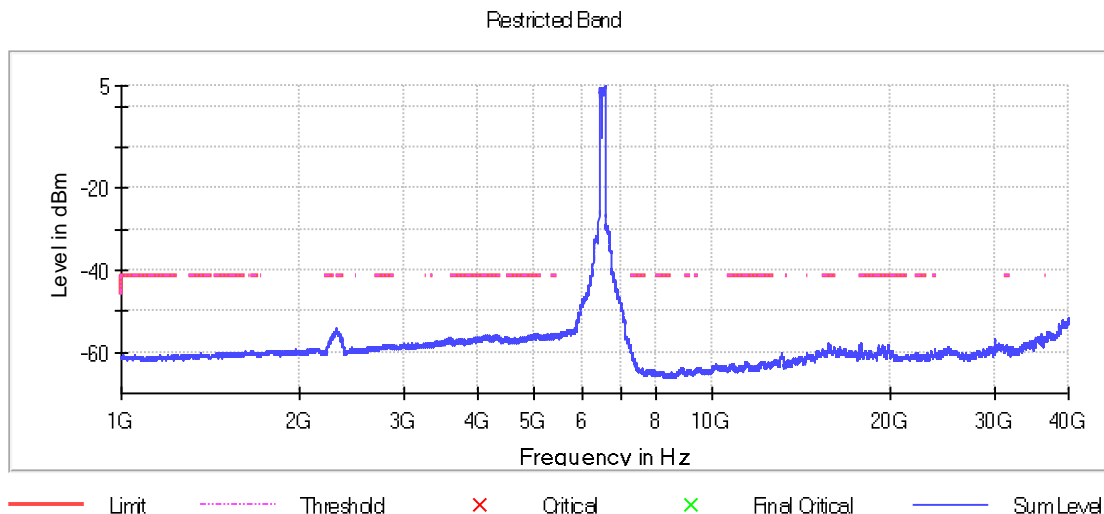
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2310.750000	-54.3	13.1	-41.2
2314.750000	-54.6	13.4	-41.2
2311.750000	-54.7	13.5	-41.2
2313.750000	-54.8	13.6	-41.2
2311.250000	-54.8	13.6	-41.2
2299.250000	-54.8	13.6	-41.2
2325.750000	-54.9	13.7	-41.2
2321.250000	-54.9	13.7	-41.2
2312.250000	-54.9	13.7	-41.2
2299.750000	-55.0	13.8	-41.2
2313.250000	-55.0	13.8	-41.2
2291.750000	-55.0	13.8	-41.2
2317.750000	-55.0	13.8	-41.2
2314.250000	-55.0	13.8	-41.2
2310.250000	-55.0	13.8	-41.2

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	1	1
5925.000000	7125.000000	1	1
7125.000000	18000.000000	1	1
18000.000000	40000.000000	1	1



Emissions in restricted frequency bands (Peak) (6505 MHz; 24.000 dBm; 160 MHz)

Result

DUT Frequency (MHz)	Result
6505.000000	PASS

Final measurements

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

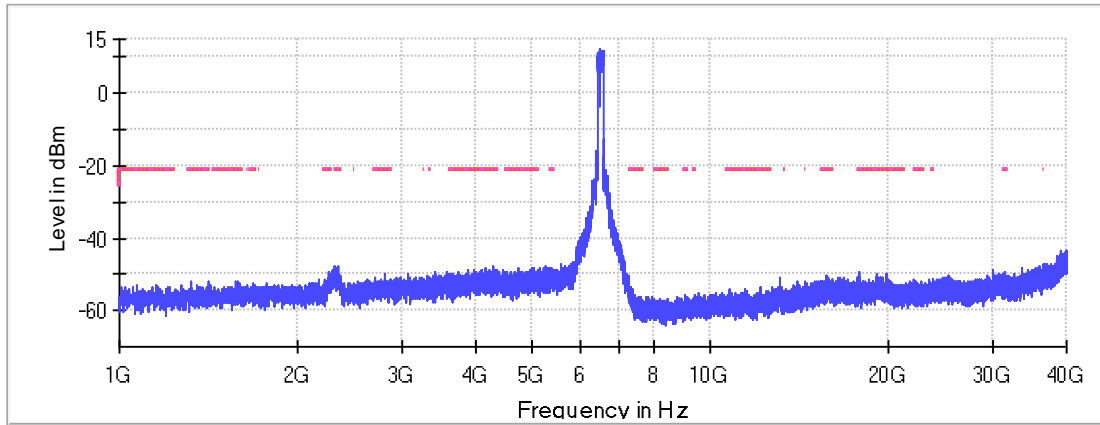
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
4277.250000	-47.7	26.5	-21.2
2340.250000	-47.8	26.6	-21.2
2331.750000	-48.0	26.8	-21.2
2332.250000	-48.0	26.8	-21.2
5391.250000	-48.1	26.9	-21.2
5039.750000	-48.1	26.9	-21.2
4970.250000	-48.3	27.1	-21.2
5384.750000	-48.3	27.1	-21.2
4722.750000	-48.3	27.1	-21.2
4168.750000	-48.4	27.2	-21.2
5384.250000	-48.5	27.3	-21.2
4307.250000	-48.5	27.3	-21.2
2340.750000	-48.5	27.3	-21.2
3886.750000	-48.5	27.3	-21.2
3886.250000	-48.6	27.4	-21.2

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	1	1
5925.000000	7125.000000	1	1
7125.000000	18000.000000	1	1
18000.000000	40000.000000	1	2

Restricted Band



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

1.2 Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
Power Spectral Density (SA-2)	6435.000	24.0	20.000000	PASS
Power Spectral Density (SA-2)	6475.000	24.0	20.000000	PASS
Power Spectral Density (SA-2)	6515.000	24.0	20.000000	PASS
Power Spectral Density (SA-2)	6445.000	24.0	40.000000	PASS
Power Spectral Density (SA-2)	6485.000	24.0	40.000000	PASS
Power Spectral Density (SA-2)	6465.000	24.0	80.000000	PASS
Power Spectral Density (SA-2)	6505.000	24.0	160.000000	PASS

Power Spectral Density (SA-2) (6435 MHz; 24.000 dBm; 20 MHz)

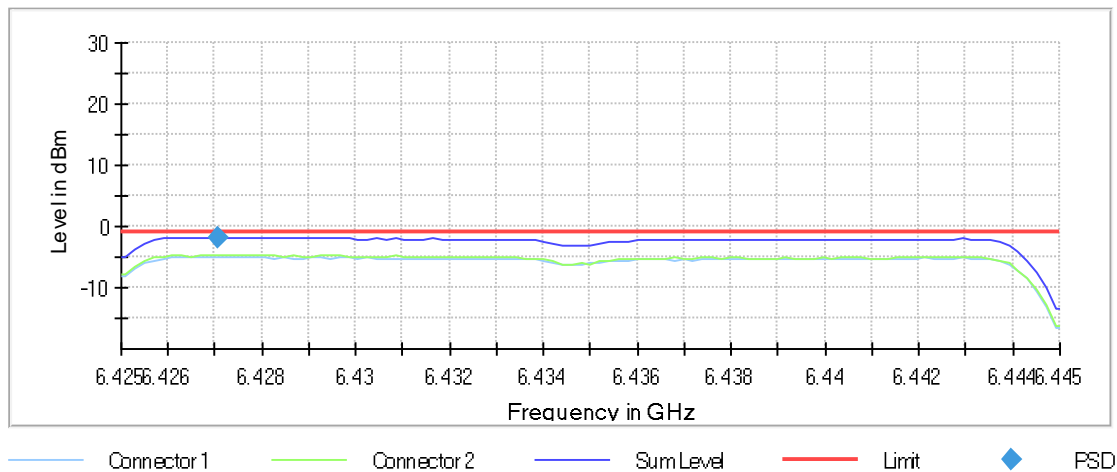
Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6435.000000	6427.079208	-1.858	-0.8	PASS

Ports

Port	State
1	used
2	used

Power Spectral Density (SA-2)



Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.42500 GHz	6.42500 GHz
Stop Frequency	6.44500 GHz	6.44500 GHz
Span	20.000 MHz	20.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 40
Sweeptime	1.000 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	Sweep	Sweep
Preamp	off	off

Power Spectral Density (SA-2) (6475 MHz; 24.000 dBm; 20 MHz)

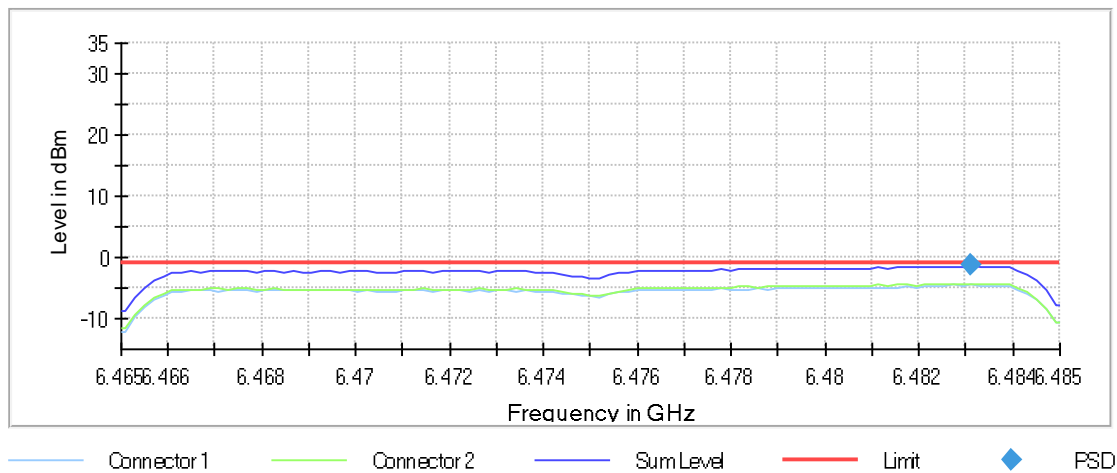
Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6475.000000	6483.118812	-1.347	-0.8	PASS

Ports

Port	State
1	used
2	used

Power Spectral Density (SA-2)



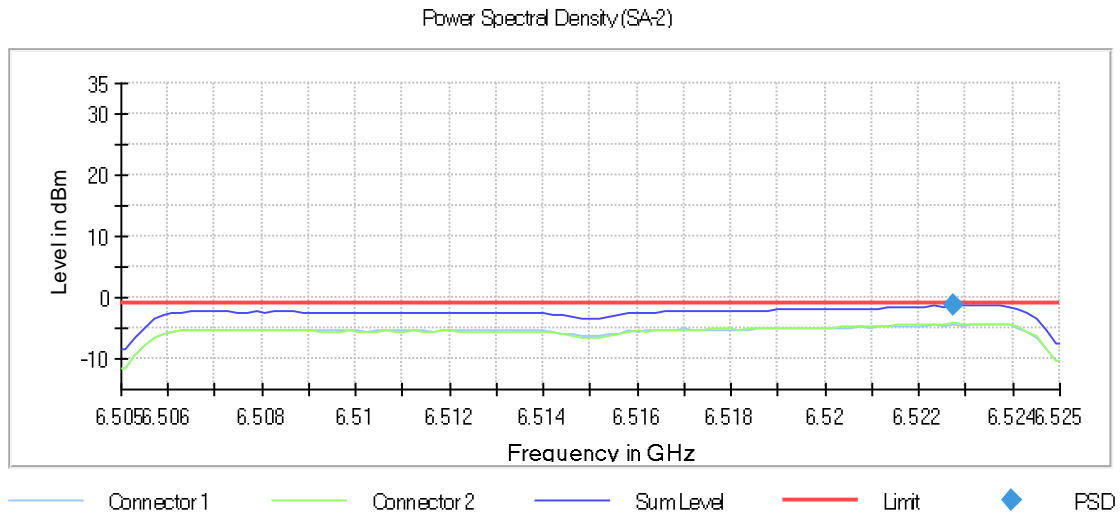
Power Spectral Density (SA-2) (6515 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6515.000000	6522.722772	-1.286	-0.8	PASS

Ports

Port	State
1	used
2	used



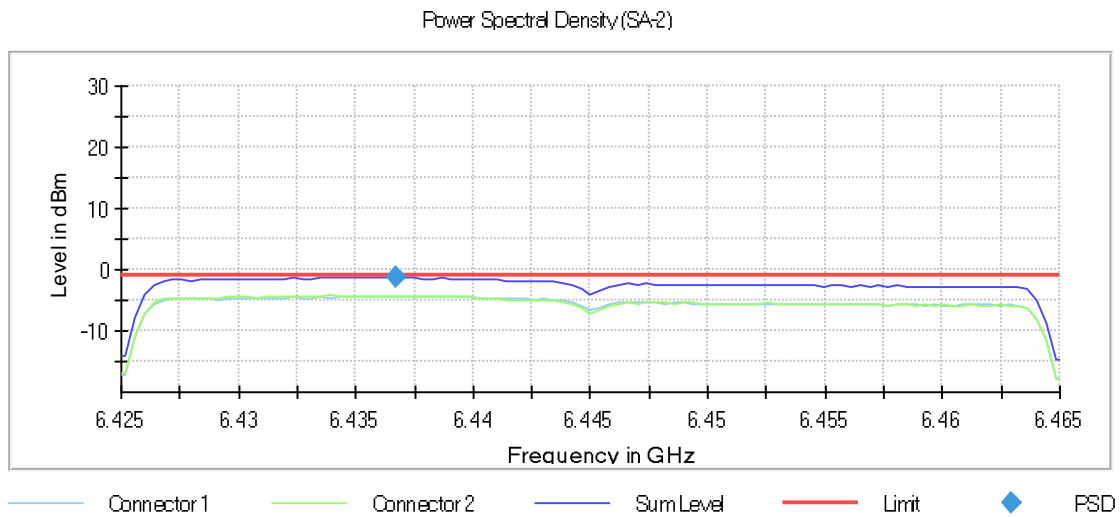
Power Spectral Density (SA-2) (6445 MHz; 24.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6445.000000	6436.683168	-1.317	-0.8	PASS

Ports

Port	State
1	used
2	used



Power Spectral Density (SA-2) (6485 MHz; 24.000 dBm; 40 MHz)

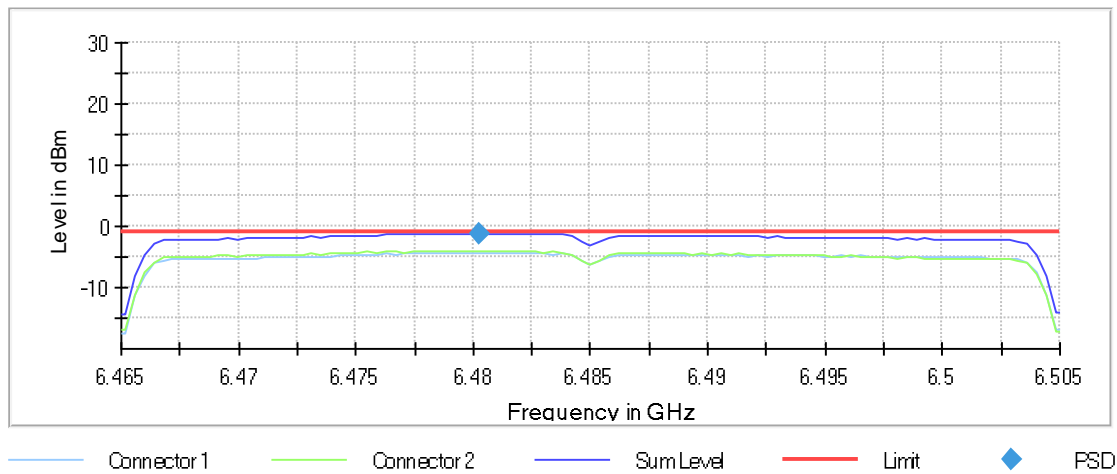
Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6485.000000	6480.247525	-1.143	-0.8	PASS

Ports

Port	State
1	used
2	used

Power Spectral Density (SA-2)



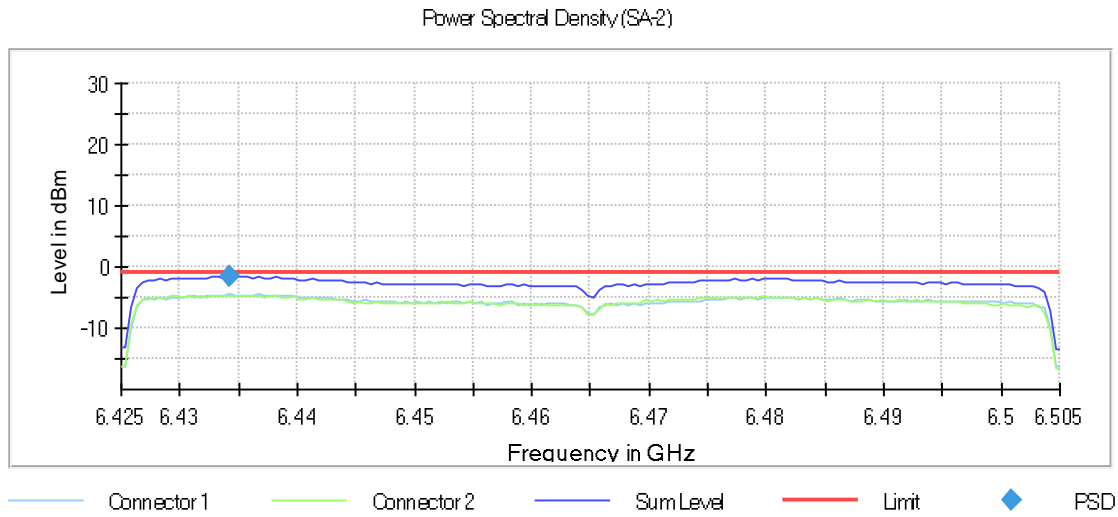
Power Spectral Density (SA-2) (6465 MHz; 24.000 dBm; 80 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6465.000000	6434.250000	-1.553	-0.8	PASS

Ports

Port	State
1	used
2	used



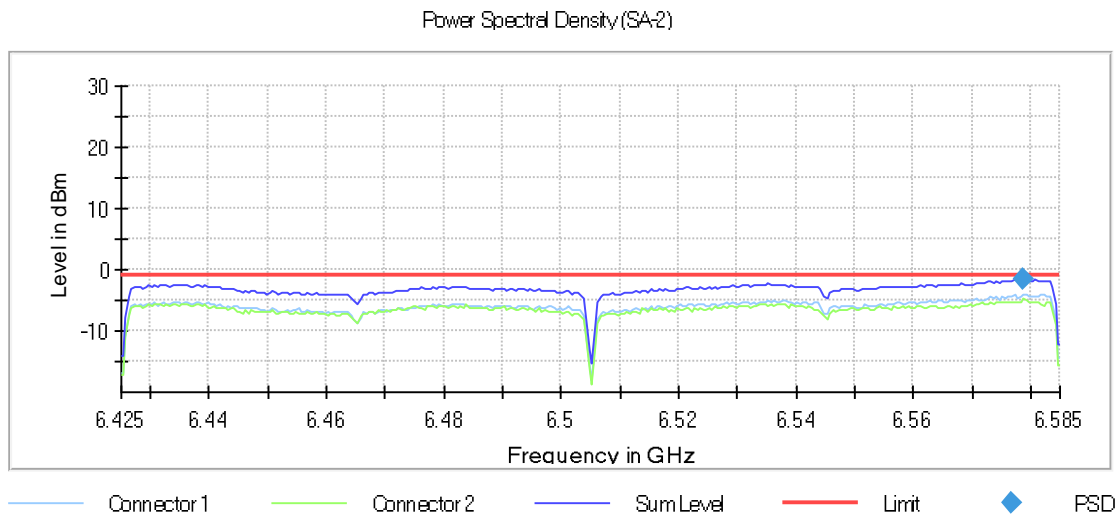
Power Spectral Density (SA-2) (6505 MHz; 24.000 dBm; 160 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6505.000000	6578.750000	-1.454	-0.8	PASS

Ports

Port	State
1	used
2	used



-- End of Report --