427 West 12800 South
Draper, UT 84020

Test Report Attachment

FCC ID	SWX-U7IW
ISED ID	6545A-U7IW
Equipment Under Test	U7-IW
Test Report Serial Number	TR9688_01
Date of Tests	16 – 17 October 2024
Report Issue Date	23 January 2025

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 2025. 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 2025. Unified Compliance Laboratory has been assigned Conformity Assessment Number US0223 by ISED and MRA US5037.

NVLAP LAB CODE 600241-0

1 RF Conducted UNII-3

1.1 HE Mode

1.1.1 Summary

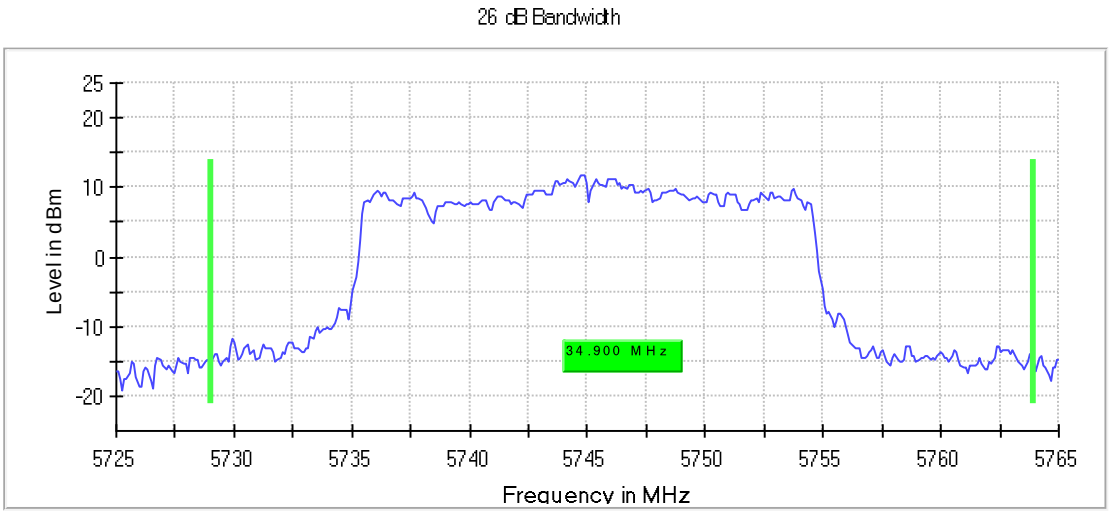
Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
Emission Bandwidth 26 dB	5745.000	24.0	20.000000	PASS
RF output power	5745.000	24.0	20.000000	PASS
Power Spectral Density	5745.000	24.0	20.000000	PASS
Minimum Emission Bandwidth 6 dB	5745.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5745.000	24.0	20.000000	PASS
Tx Spurious Emission	5745.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	5775.000	24.0	20.000000	PASS
Power Spectral Density	5775.000	24.0	20.000000	PASS
Minimum Emission Bandwidth 6 dB	5775.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5775.000	24.0	20.000000	PASS
Tx Spurious Emission	5775.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	5825.000	24.0	20.000000	PASS
Power Spectral Density	5825.000	24.0	20.000000	PASS
Minimum Emission Bandwidth 6 dB	5825.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5825.000	24.0	20.000000	PASS
Tx Spurious Emission	5825.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	5755.000	24.0	40.000000	PASS
Power Spectral Density	5755.000	24.0	40.000000	PASS
Minimum Emission Bandwidth 6 dB	5755.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5755.000	24.0	40.000000	PASS
Tx Spurious Emission	5755.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	5775.000	24.0	40.000000	PASS
Power Spectral Density	5775.000	24.0	40.000000	PASS
Minimum Emission Bandwidth 6 dB	5775.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5775.000	24.0	40.000000	PASS
Tx Spurious Emission	5775.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	5795.000	24.0	40.000000	PASS
Power Spectral Density	5795.000	24.0	40.000000	PASS
Minimum Emission Bandwidth 6 dB	5795.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5795.000	24.0	40.000000	PASS
Tx Spurious Emission	5795.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	5775.000	24.0	80.000000	PASS
Power Spectral Density	5775.000	24.0	80.000000	PASS
Minimum Emission Bandwidth 6 dB	5775.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	5775.000	24.0	80.000000	PASS
Tx Spurious Emission	5775.000	24.0	80.000000	PASS

Emission Bandwidth 26 dB (5745 MHz; 24.000 dBm; 20 MHz)

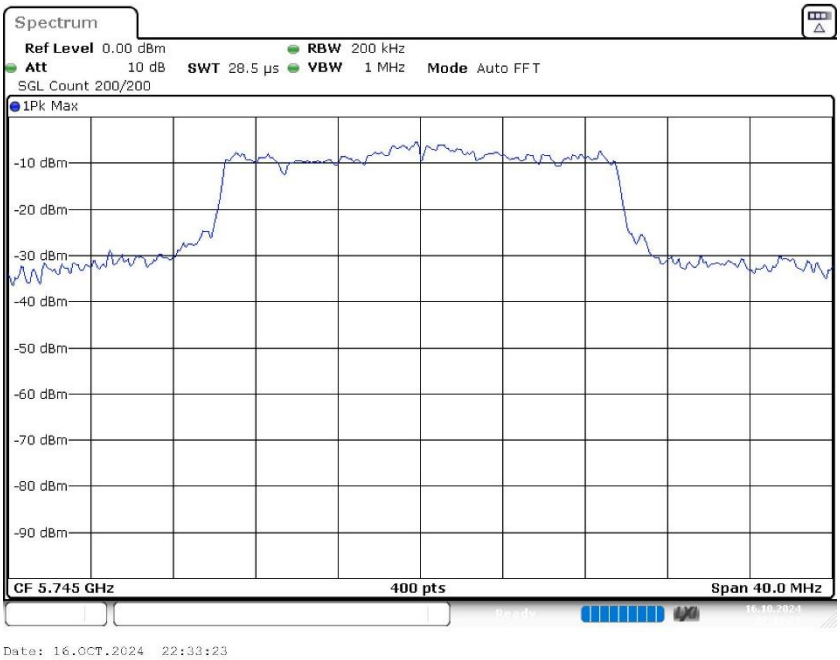
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5745.000000	34.900000	---	---	5729.050000	5763.950000

DUT Frequency (MHz)	Max Level (dBm)	Result
5745.000000	11.9	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.72500 GHz	5.72500 GHz
Stop Frequency	5.76500 GHz	5.76500 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 µs	AUTO
Reference Level	0.000 dBm	AUTO
Attenuation	10.000 dB	0.000 dB
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 (5745 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5745.000000	25.7	30.0	25.7	99.696	PASS

OSP PowerMeter settings

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

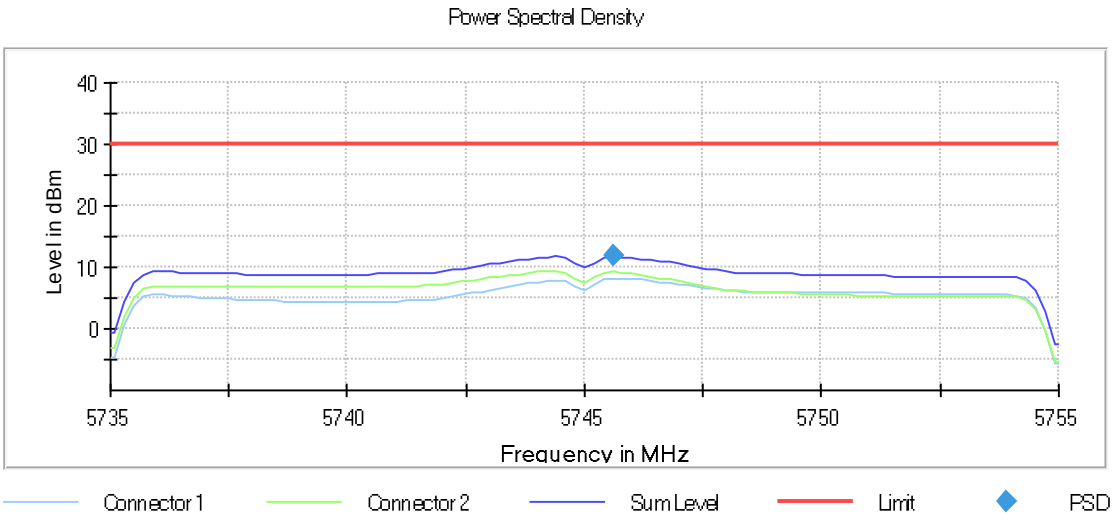
Power Spectral Density (5745 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5745.000000	5745.594059	11.804	30.0	PASS

Ports

Port	State
1	used
2	used



Measurement

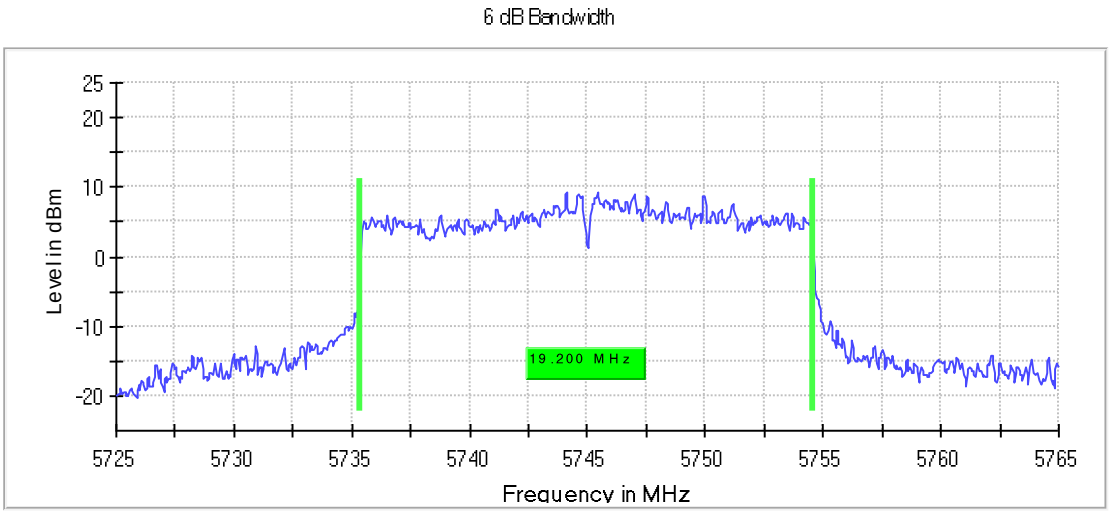
Setting	Instrument Value	Target Value
Start Frequency	5.73500 GHz	5.73500 GHz
Stop Frequency	5.75500 GHz	5.75500 GHz
Span	20.000 MHz	20.000 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	101	~ 80
Sweeptime	2.020 ms	2.020 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
Sweeptype	FFT	AUTO
Preamp	off	off

Minimum Emission Bandwidth 6 dB (5745 MHz; 24.000 dBm; 20 MHz)

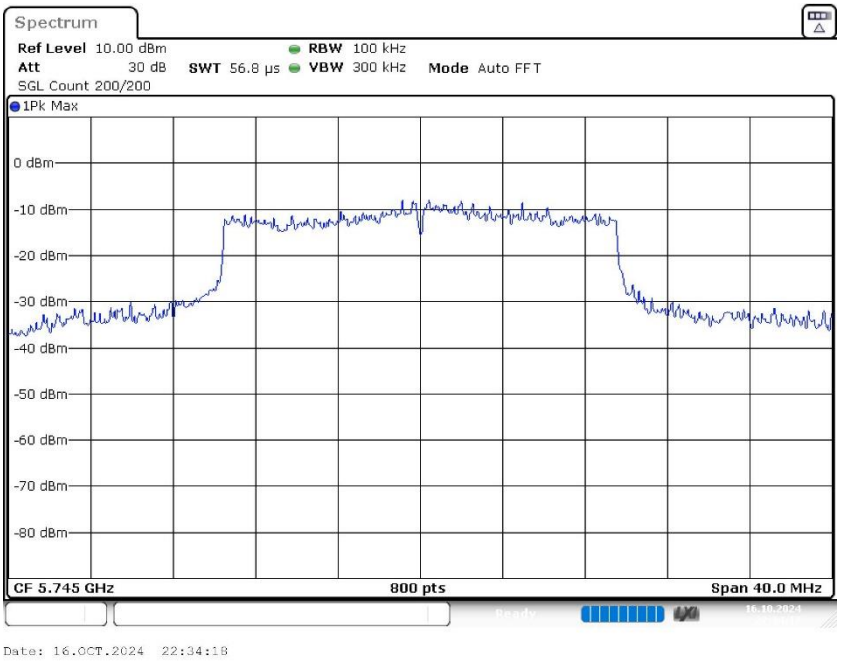
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5745.000000	19.200000	0.500000	---	5735.375000	5754.575000

DUT Frequency (MHz)	Max Level (dBm)	Result
5745.000000	9.3	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.72500 GHz	5.72500 GHz
Stop Frequency	5.76500 GHz	5.76500 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 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm

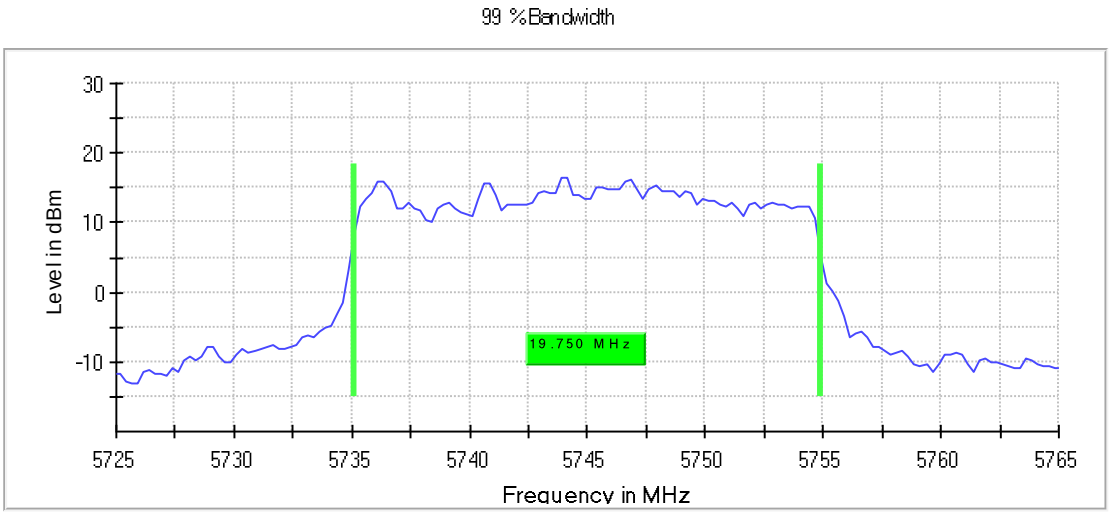
Attenuation	**30.000 dB**	**AUTO**
Detector	**MaxPeak**	**MaxPeak**
SweepCount	**200**	**200**
Filter	**3 dB**	**3 dB**
Trace Mode	**Max Hold**	**Max Hold**
Sweeptype	**FFT**	**AUTO**
Preamp	**off**	**off**

Occupied Channel Bandwidth 99% (5745 MHz; 24.000 dBm; 20 MHz)

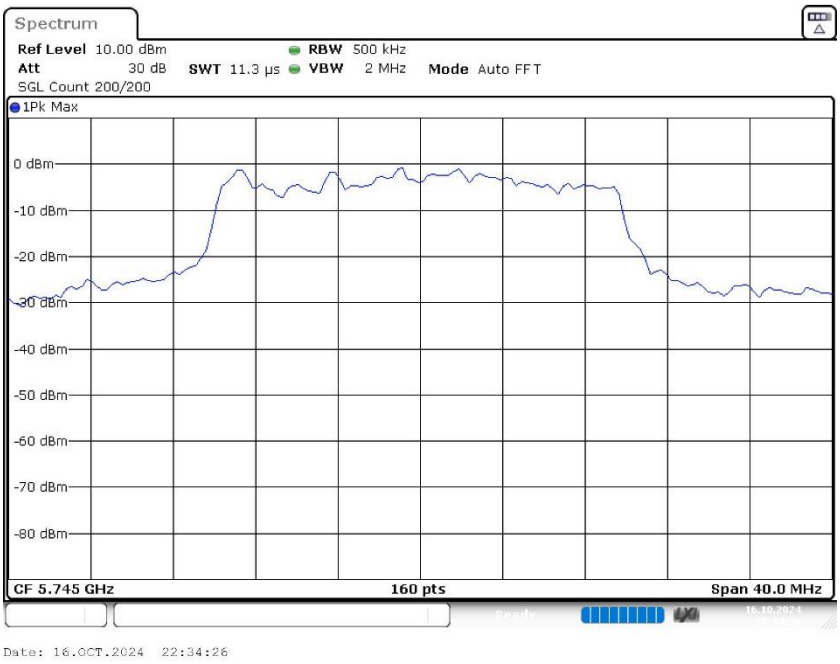
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5745.000000	**19.750000**	**---**	**---**	**5735.125000**	**5754.875000**

DUT Frequency (MHz)	Result
5745.000000	**PASS**



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.72500 GHz	5.72500 GHz
Stop Frequency	5.76500 GHz	5.76500 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 µs	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

Tx Spurious Emission (5745 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
5745.000000	PASS

Final measurements

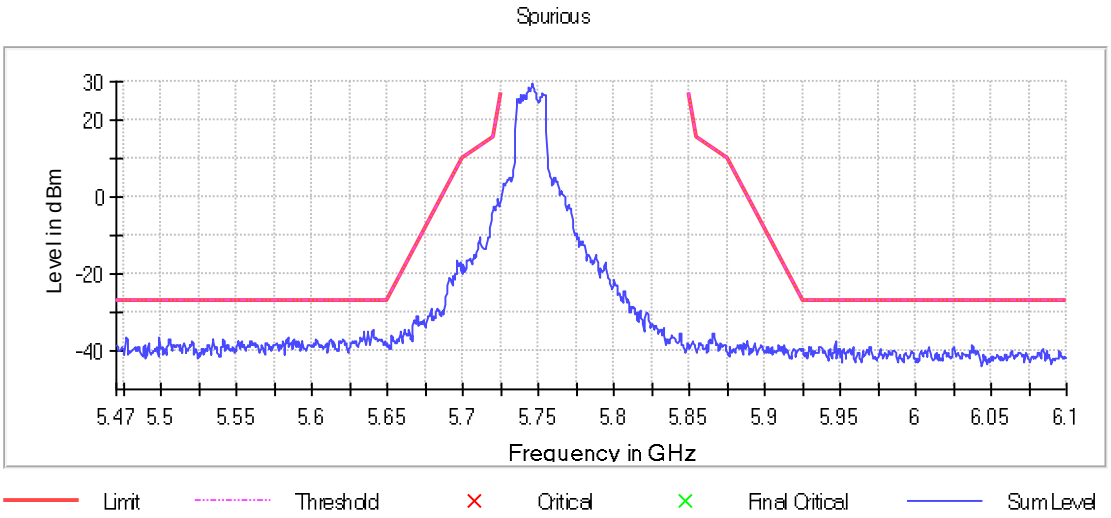
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
5640.250000	-34.3	7.3	-27.0
5640.750000	-34.6	7.6	-27.0
5639.750000	-34.9	7.9	-27.0
5634.250000	-35.0	8.0	-27.0
5636.750000	-35.2	8.2	-27.0
5637.250000	-35.5	8.5	-27.0
5636.250000	-35.7	8.7	-27.0
5634.750000	-35.8	8.8	-27.0
5639.250000	-35.9	8.9	-27.0
5638.750000	-36.2	9.2	-27.0
5633.750000	-36.2	9.2	-27.0
5631.750000	-36.4	9.4	-27.0
5642.250000	-36.4	9.4	-27.0
5632.250000	-36.4	9.4	-27.0
5476.750000	-36.5	9.5	-27.0

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
5470.000000	6100.000000	2	2



Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	1260	~ 1260
Sweeptime	85.781 µs	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	30	30
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO

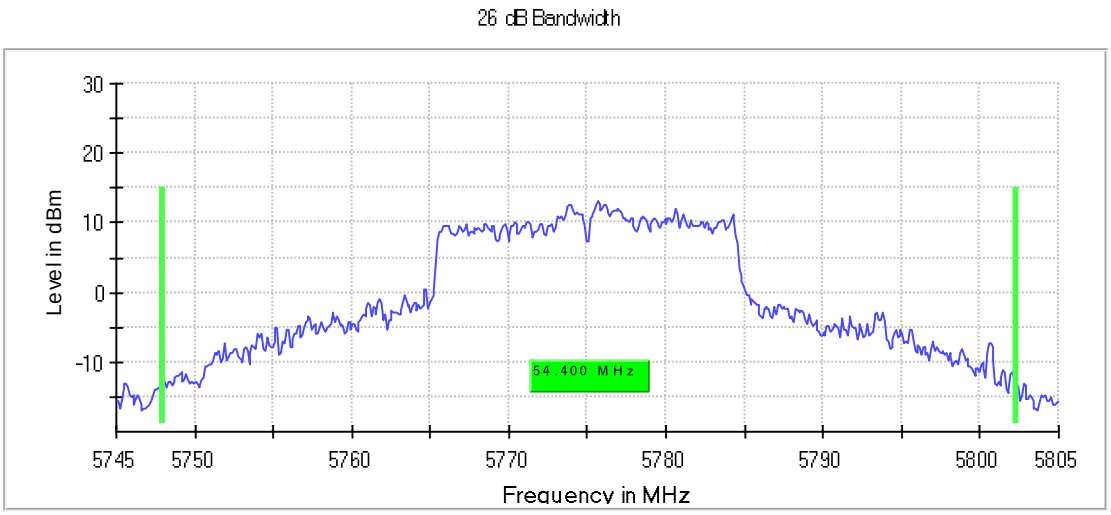
Preamp	**off**	**off**

Emission Bandwidth 26 dB (5775 MHz; 24.000 dBm; 20 MHz)

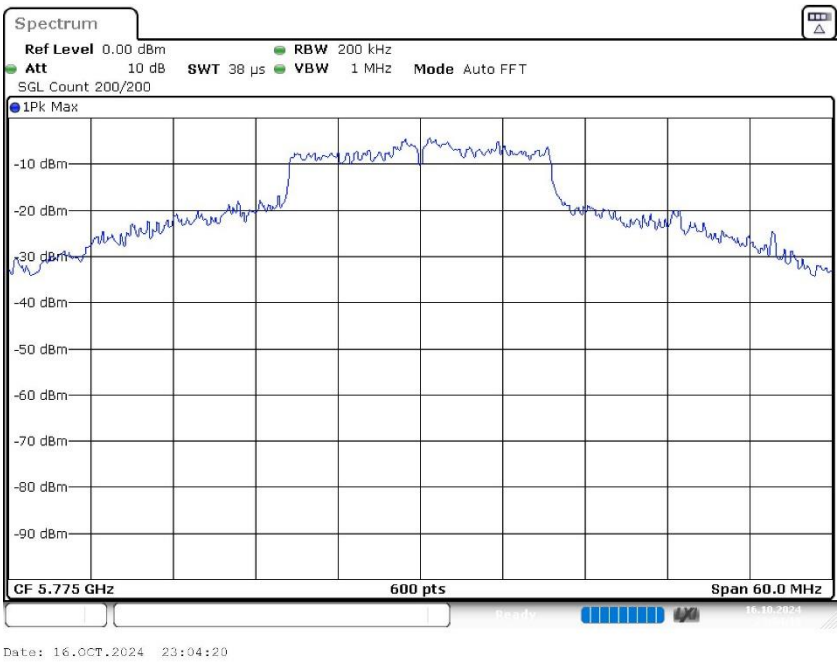
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5775.000000	54.400000	---	---	5747.950000	5802.350000

DUT Frequency (MHz)	Max Level (dBm)	Result
5775.000000	13.1	PASS



Bandwidth



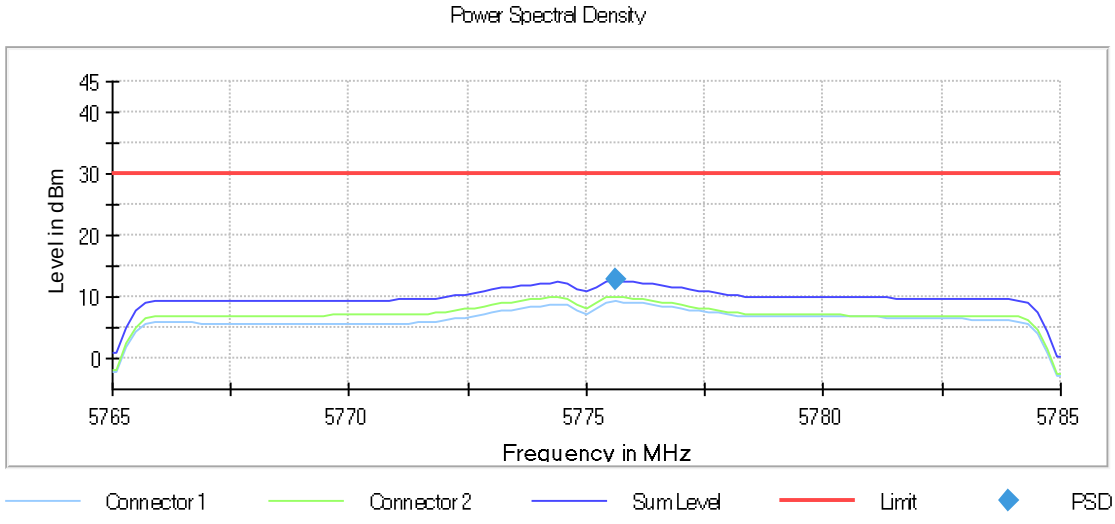
Power Spectral Density (5775 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5775.000000	5775.594059	12.696	30.0	PASS

Ports

Port	State
1	used
2	used

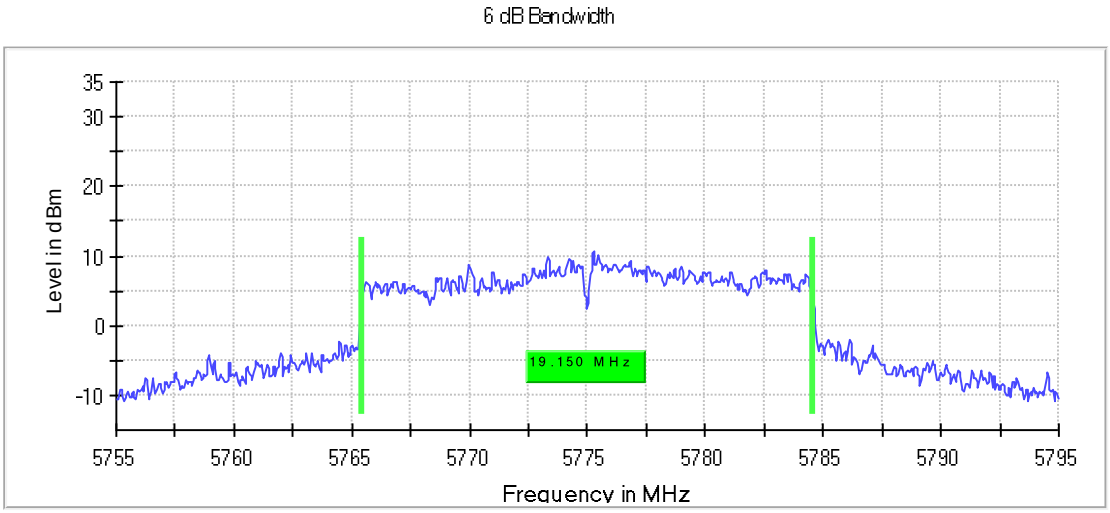


Minimum Emission Bandwidth 6 dB (5775 MHz; 24.000 dBm; 20 MHz)

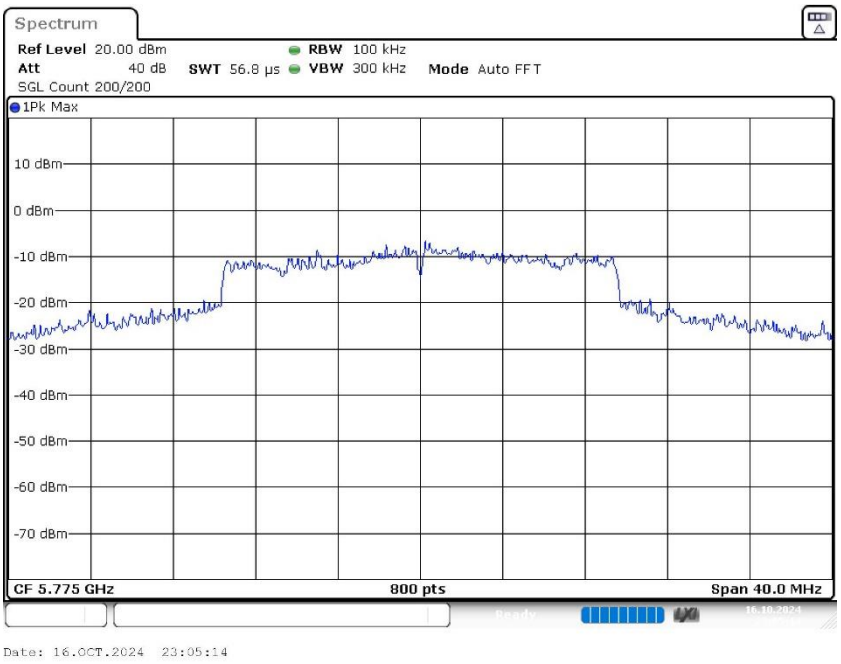
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5775.000000	19.150000	0.500000	---	5765.425000	5784.575000

DUT Frequency (MHz)	Max Level (dBm)	Result
5775.000000	10.6	PASS



Bandwidth

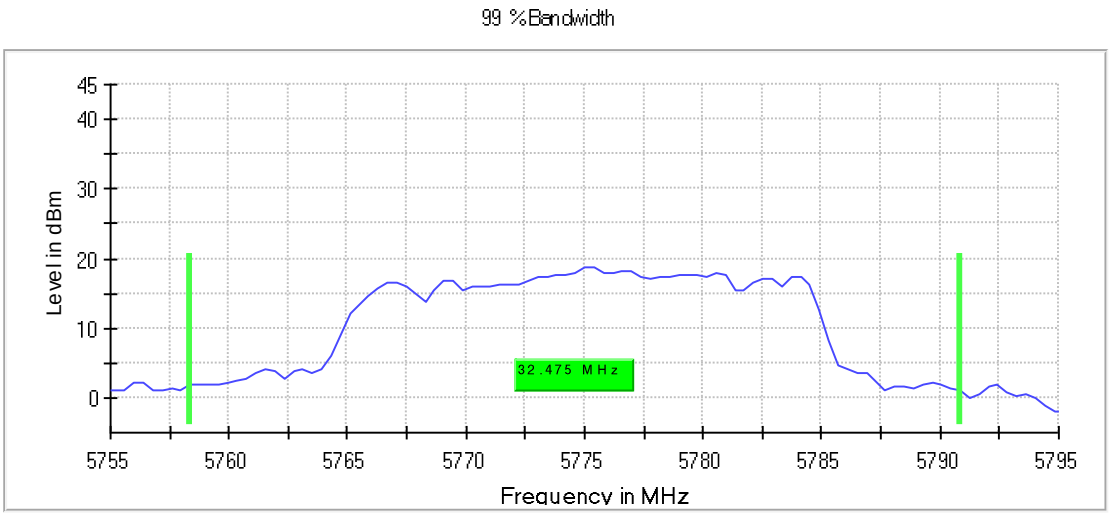


Occupied Channel Bandwidth 99% (5775 MHz; 24.000 dBm; 20 MHz)

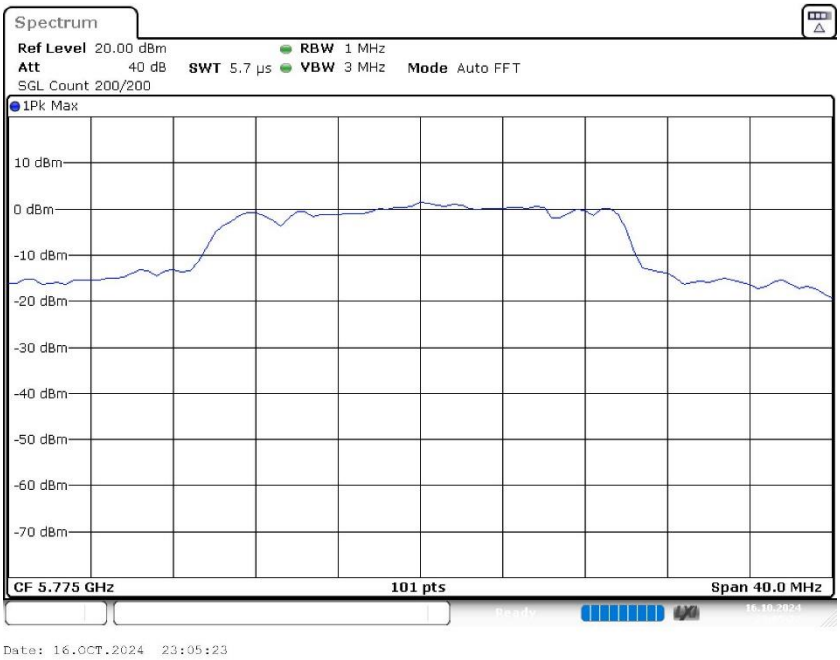
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5775.000000	32.475247	---	---	5758.366337	5790.841584

DUT Frequency (MHz)	Result
5775.000000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.75500 GHz	5.75500 GHz
Stop Frequency	5.79500 GHz	5.79500 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	>= 666.667 kHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 80
Sweeptime	5.681 µs	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 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

Tx Spurious Emission (5775 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
5775.000000	PASS

Final measurements

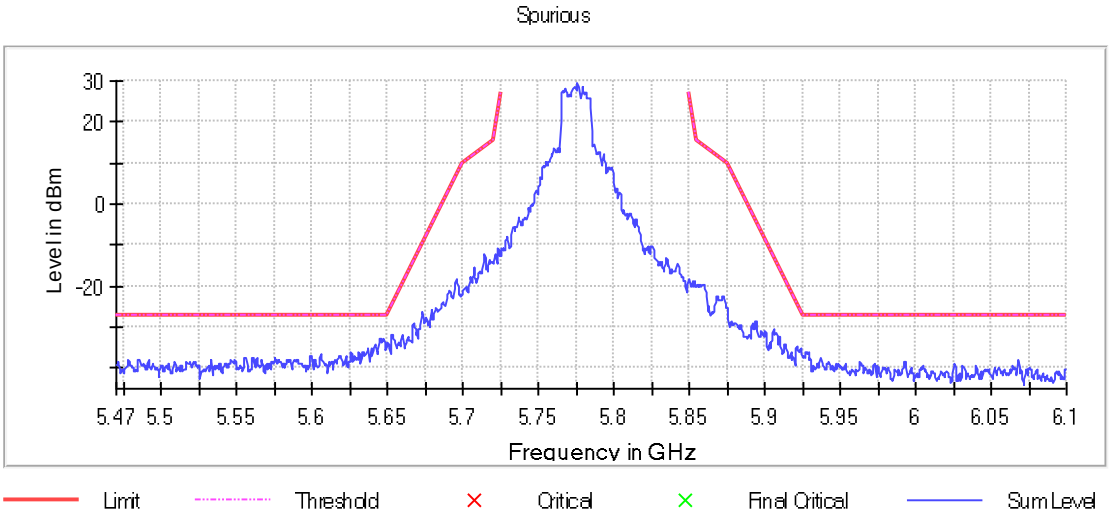
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
5645.250000	-32.6	5.6	-27.0
5644.750000	-32.7	5.7	-27.0
5647.250000	-32.8	5.8	-27.0
5646.750000	-33.2	6.2	-27.0
5645.750000	-33.2	6.2	-27.0
5649.750000	-33.5	6.5	-27.0
5646.250000	-33.5	6.5	-27.0
5644.250000	-33.6	6.6	-27.0
5647.750000	-33.8	6.8	-27.0
5652.750000	-31.8	6.9	-25.0
5650.250000	-33.8	7.0	-26.8
5653.250000	-31.9	7.3	-24.6
5641.750000	-34.4	7.4	-27.0
5642.250000	-34.5	7.5	-27.0
5649.250000	-34.6	7.6	-27.0

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
5470.000000	6100.000000	2	2

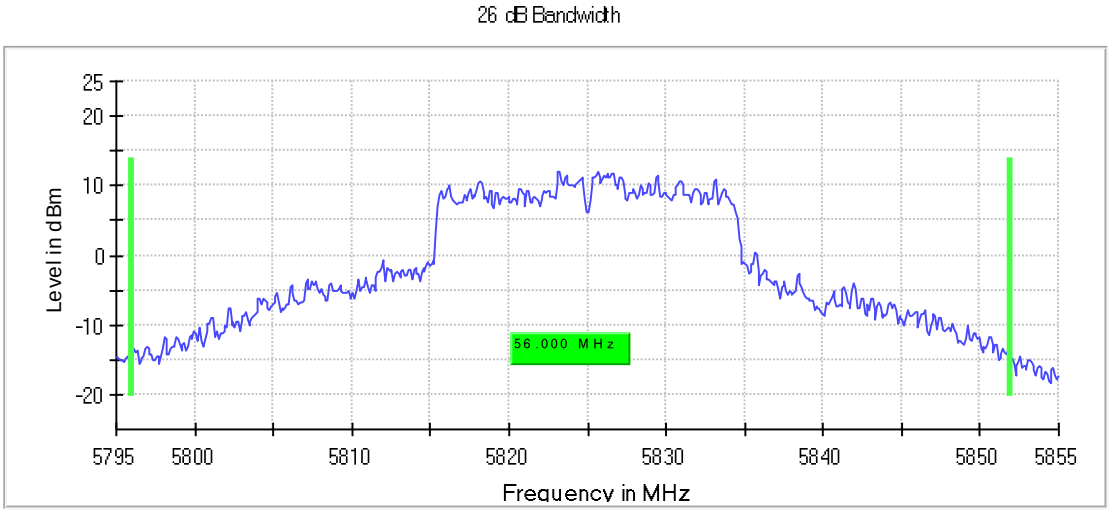


Emission Bandwidth 26 dB (5825 MHz; 24.000 dBm; 20 MHz)

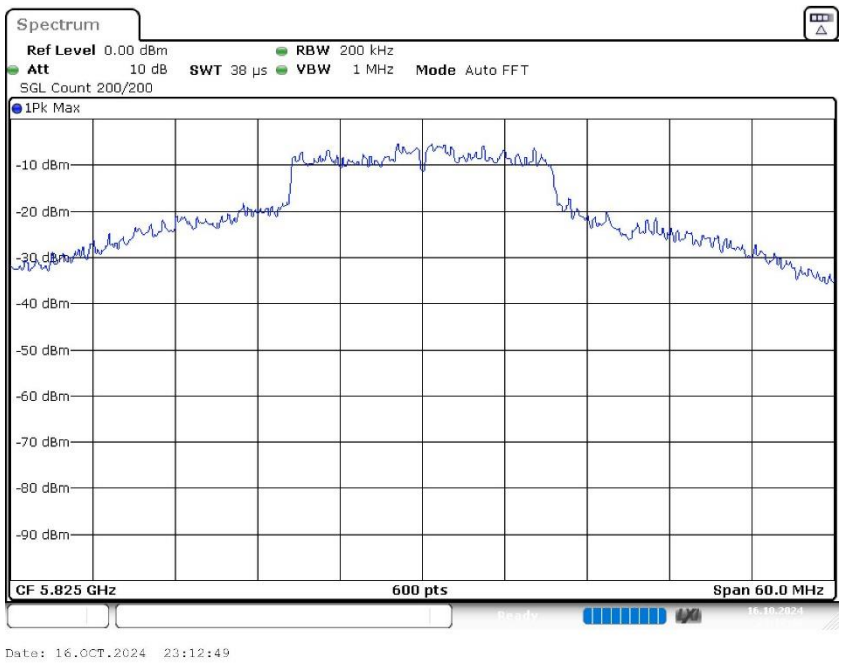
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5825.000000	56.000000	---	---	5795.950000	5851.950000

DUT Frequency (MHz)	Max Level (dBm)	Result
5825.000000	12.1	PASS



Bandwidth



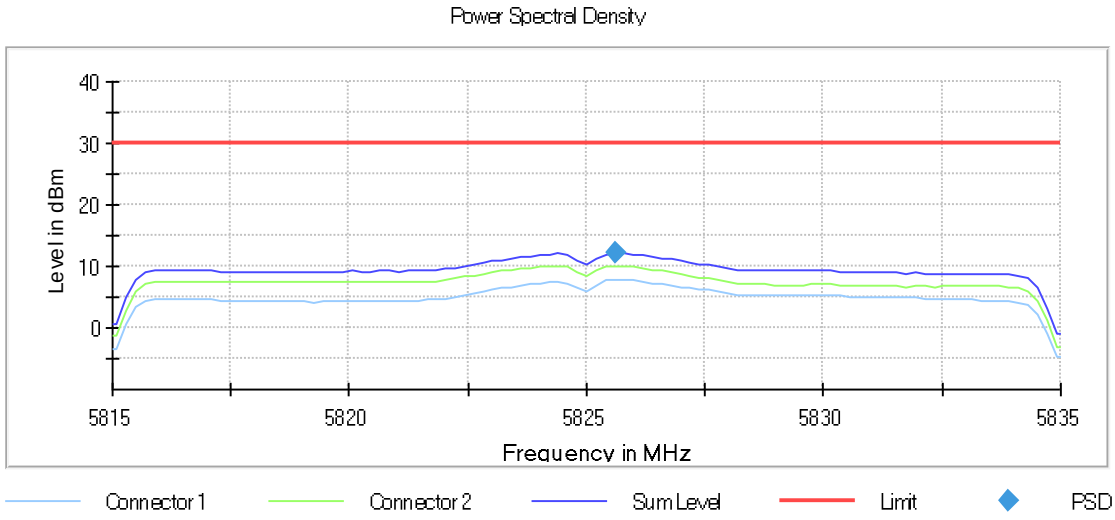
Power Spectral Density (5825 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5825.000000	5825.594059	12.137	30.0	PASS

Ports

Port	State
1	used
2	used

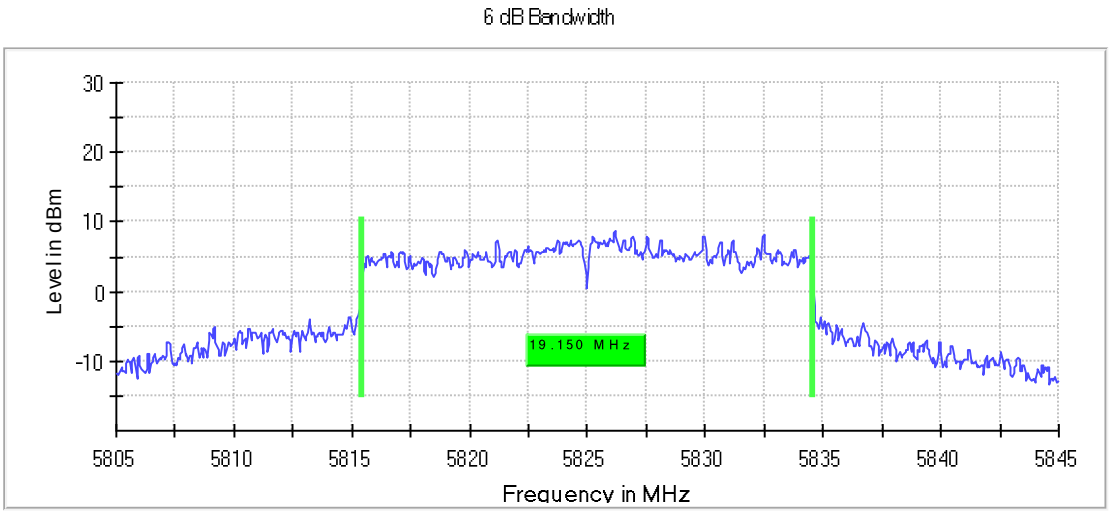


Minimum Emission Bandwidth 6 dB (5825 MHz; 24.000 dBm; 20 MHz)

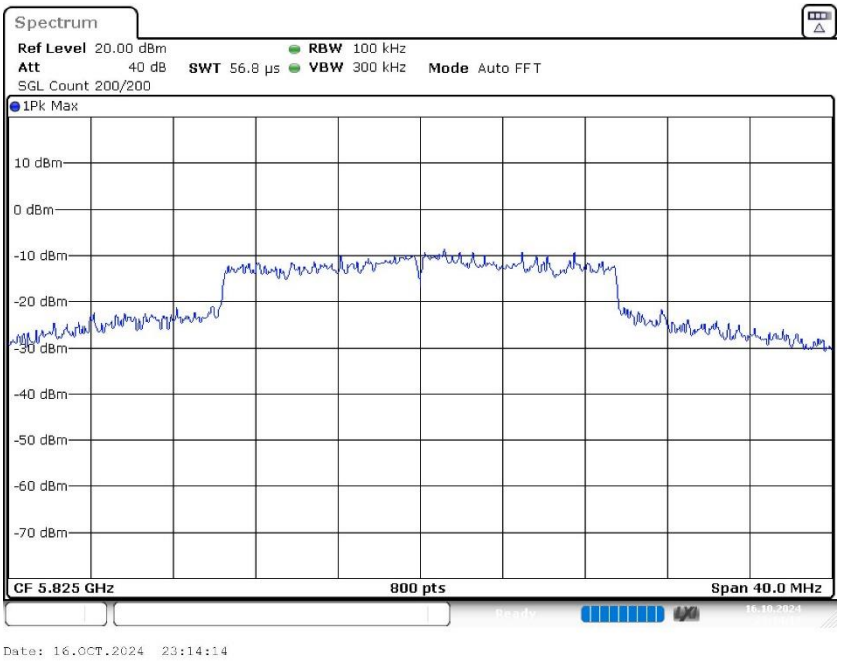
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5825.000000	19.150000	0.500000	---	5815.425000	5834.575000

DUT Frequency (MHz)	Max Level (dBm)	Result
5825.000000	8.6	PASS



Bandwidth

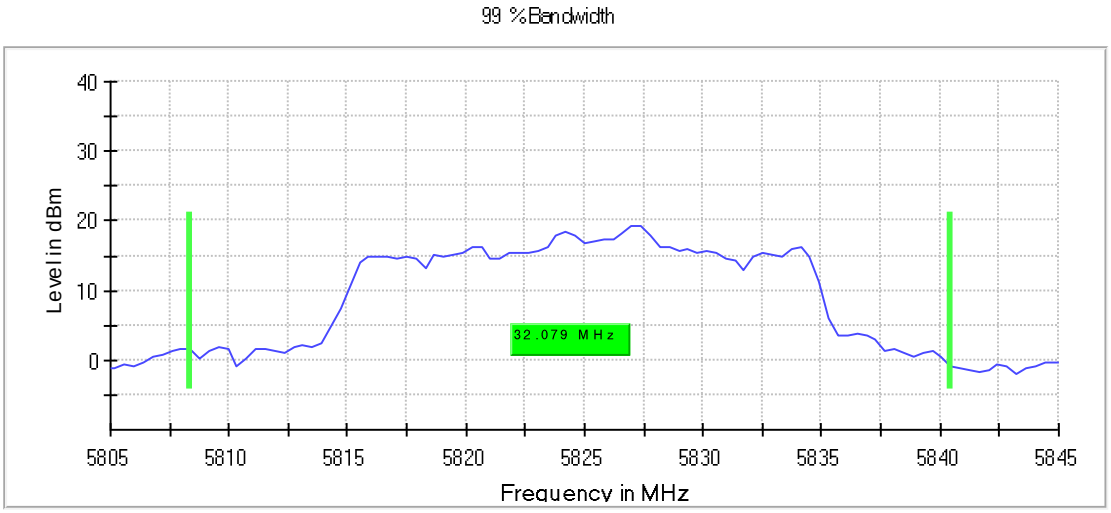


Occupied Channel Bandwidth 99% (5825 MHz; 24.000 dBm; 20 MHz)

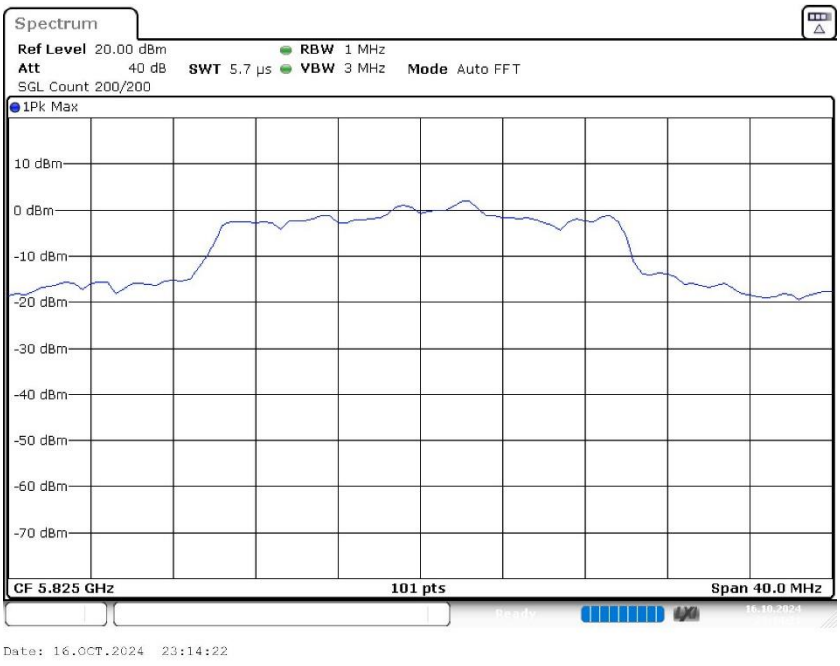
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5825.000000	32.079208	---	---	5808.366337	5840.445545

DUT Frequency (MHz)	Result
5825.000000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.80500 GHz	5.80500 GHz
Stop Frequency	5.84500 GHz	5.84500 GHz
Span	40.000 MHz	40.000 MHz

RBW	1.000 MHz	>= 666.667 kHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 80
Sweeptime	5.681 µs	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 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

Tx Spurious Emission (5825 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
5825.000000	PASS

Final measurements

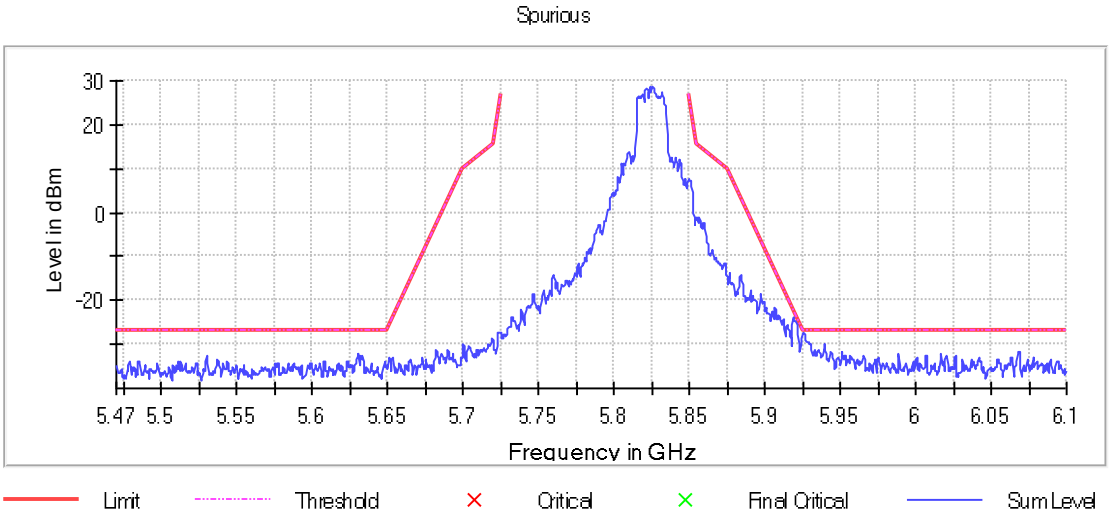
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
5925.750000	-27.4	0.4	-27.0
5925.250000	-27.5	0.5	-27.0
5926.250000	-27.8	0.8	-27.0
5920.750000	-24.8	0.9	-23.9
5920.250000	-24.9	1.4	-23.5
5921.250000	-25.7	1.4	-24.2
5926.750000	-28.5	1.5	-27.0
5921.750000	-26.1	1.5	-24.6
5918.750000	-23.9	1.5	-22.4
5919.750000	-24.9	1.8	-23.1
5924.750000	-28.6	1.8	-26.8
5927.250000	-28.9	1.9	-27.0
5919.250000	-24.7	1.9	-22.7
5927.750000	-29.5	2.5	-27.0
5928.250000	-29.5	2.5	-27.0

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
5470.000000	6100.000000	2	2

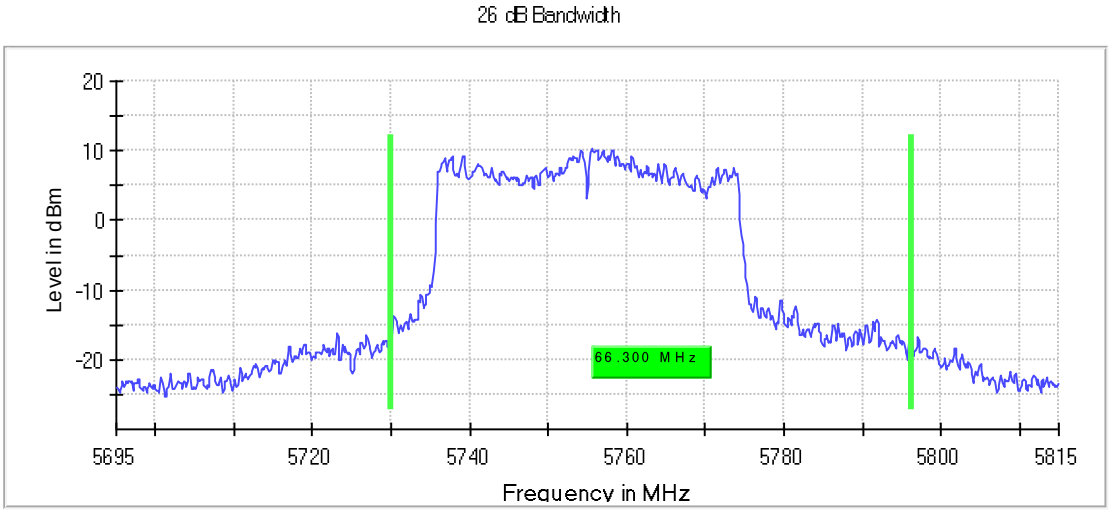


Emission Bandwidth 26 dB (5755 MHz; 24.000 dBm; 40 MHz)

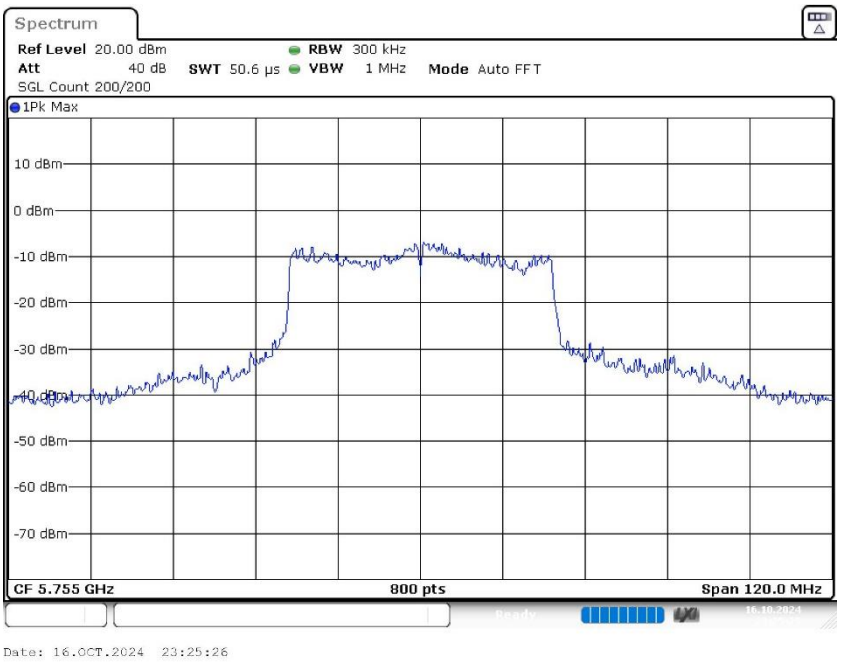
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5755.000000	66.300000	---	---	5730.025000	5796.325000

DUT Frequency (MHz)	Max Level (dBm)	Result
5755.000000	10.4	PASS



Bandwidth



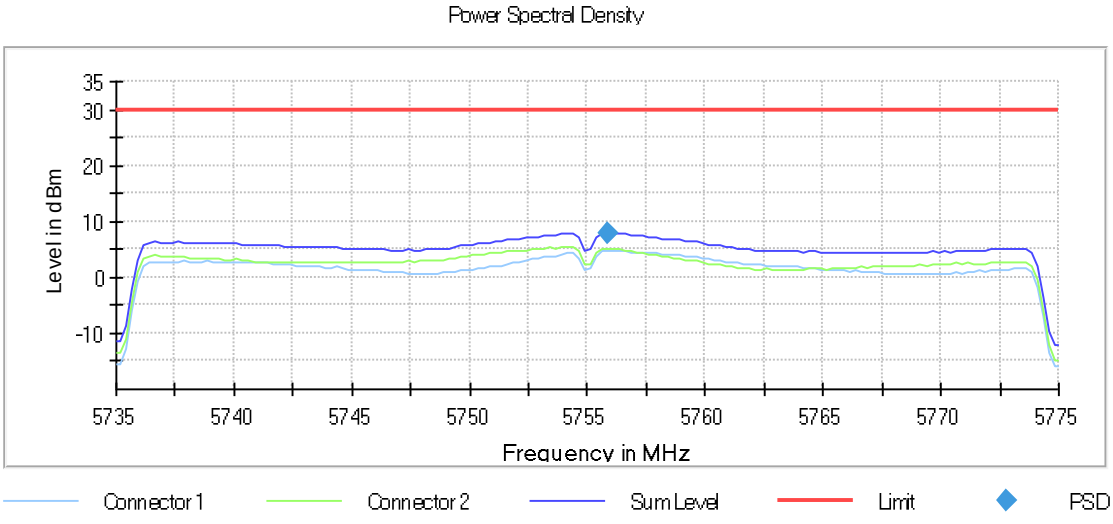
Power Spectral Density (5755 MHz; 24.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5755.000000	5755.875000	7.971	30.0	PASS

Ports

Port	State
1	used
2	used

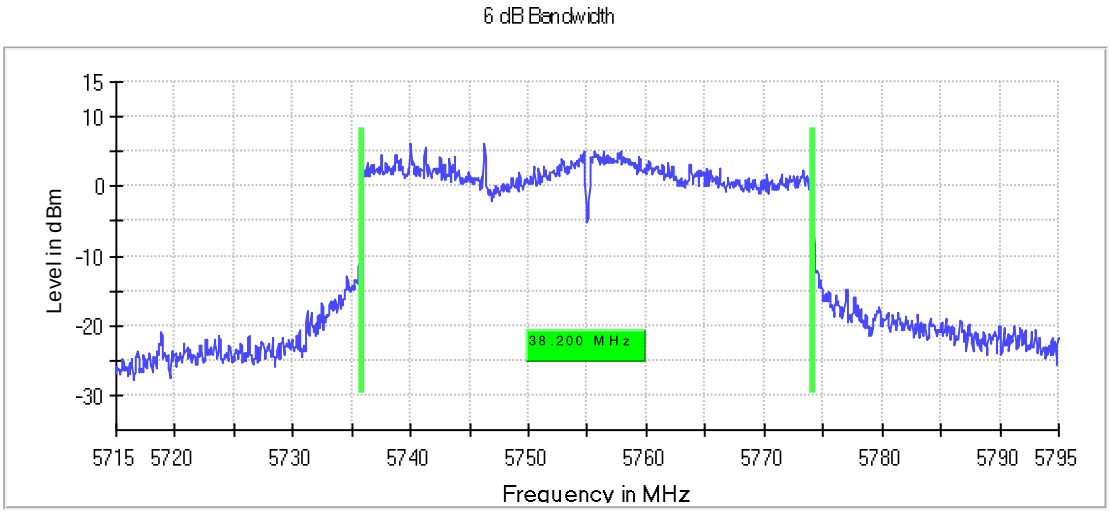


Minimum Emission Bandwidth 6 dB (5755 MHz; 24.000 dBm; 40 MHz)

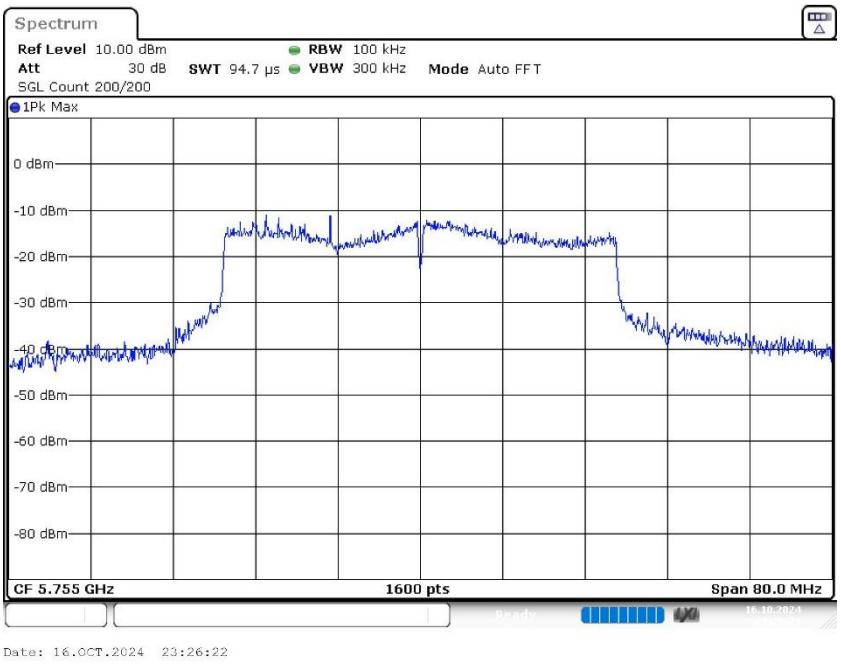
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5755.000000	38.200000	0.500000	---	5735.875000	5774.075000

DUT Frequency (MHz)	Max Level (dBm)	Result
5755.000000	6.3	PASS



Bandwidth

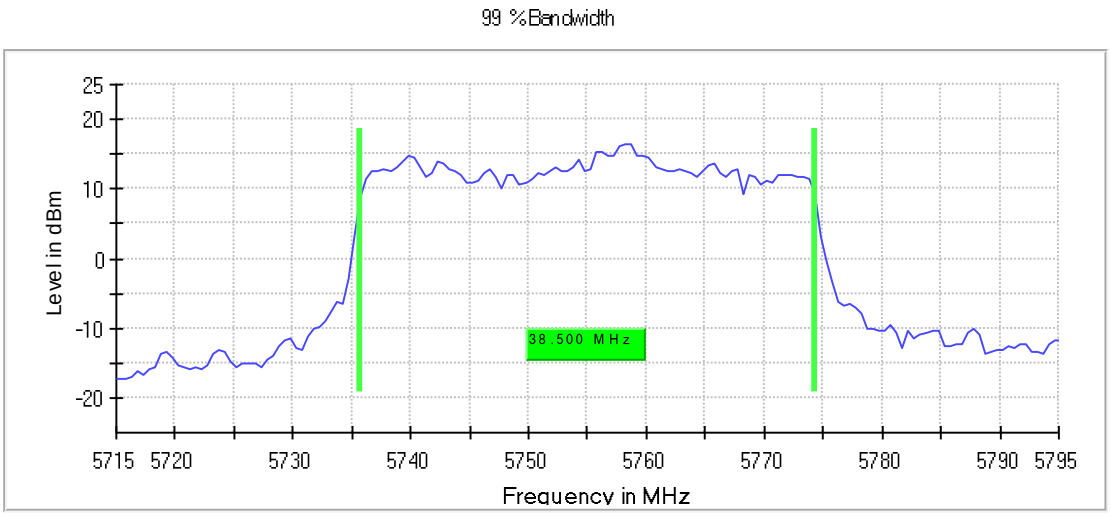


Occupied Channel Bandwidth 99% (5755 MHz; 24.000 dBm; 40 MHz)

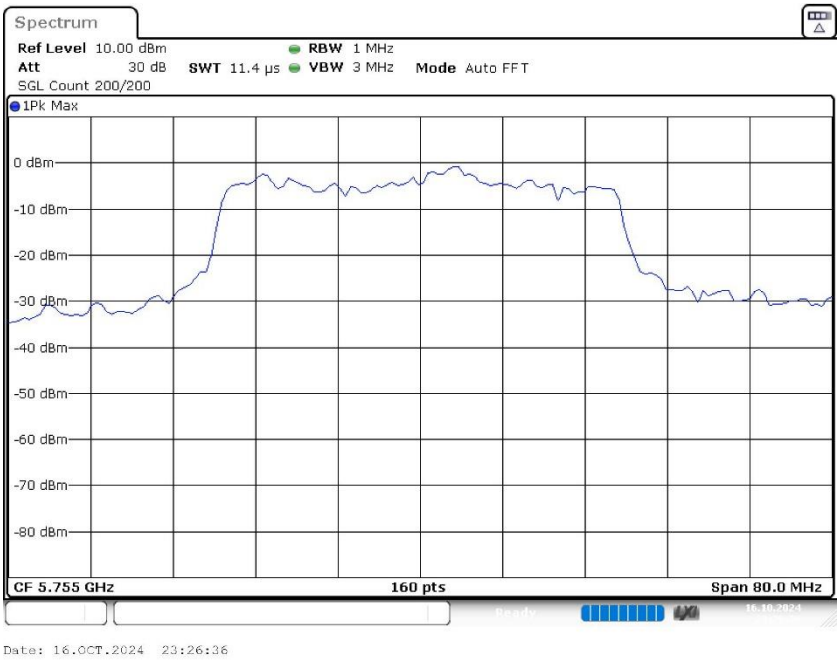
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5755.000000	38.500000	---	---	5735.750000	5774.250000

DUT Frequency (MHz)	Result
5755.000000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.71500 GHz	5.71500 GHz
Stop Frequency	5.79500 GHz	5.79500 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 µs	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

Tx Spurious Emission (5755 MHz; 24.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Result
5755.000000	PASS

Final measurements

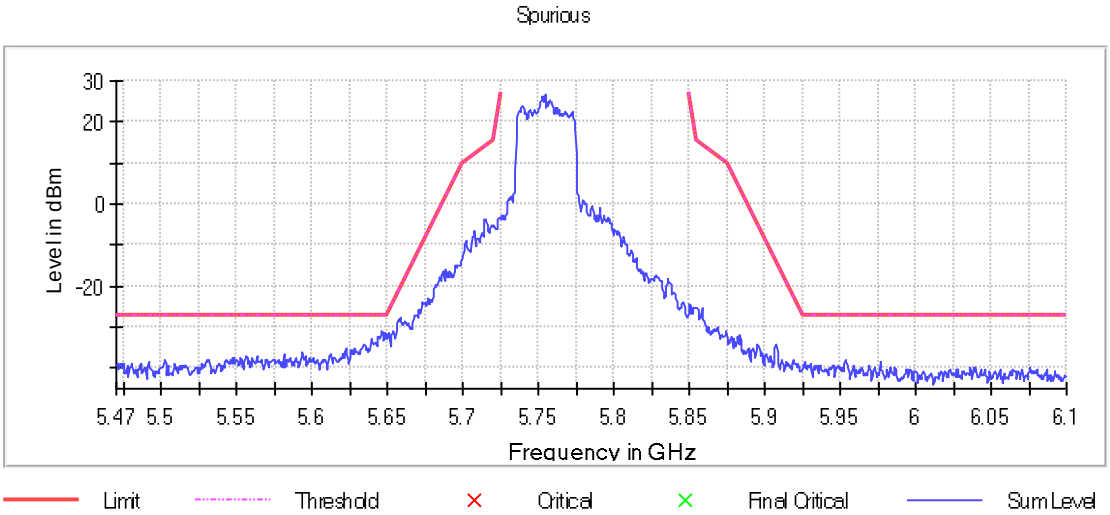
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
5646.250000	-31.0	4.0	-27.0
5645.750000	-31.2	4.2	-27.0
5646.750000	-31.4	4.4	-27.0
5648.250000	-31.6	4.6	-27.0
5649.750000	-31.8	4.8	-27.0
5645.250000	-32.0	5.0	-27.0
5647.750000	-32.0	5.0	-27.0
5650.250000	-31.8	5.0	-26.8
5650.750000	-31.6	5.2	-26.4
5644.250000	-32.2	5.2	-27.0
5643.750000	-32.2	5.2	-27.0
5638.750000	-32.6	5.6	-27.0
5639.250000	-32.7	5.7	-27.0
5648.750000	-32.7	5.7	-27.0
5644.750000	-32.9	5.9	-27.0

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
5470.000000	6100.000000	2	2

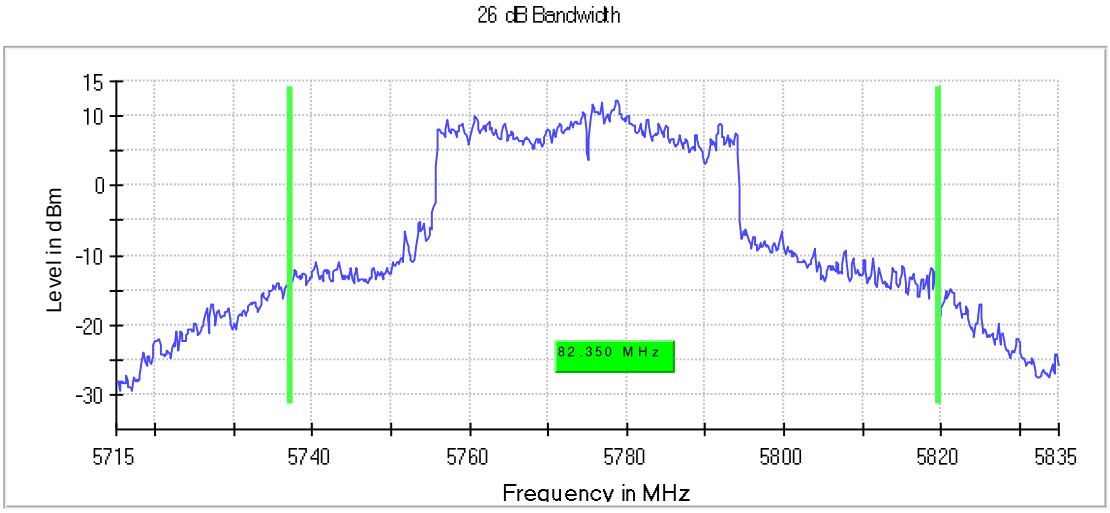


Emission Bandwidth 26 dB (5775 MHz; 24.000 dBm; 40 MHz)

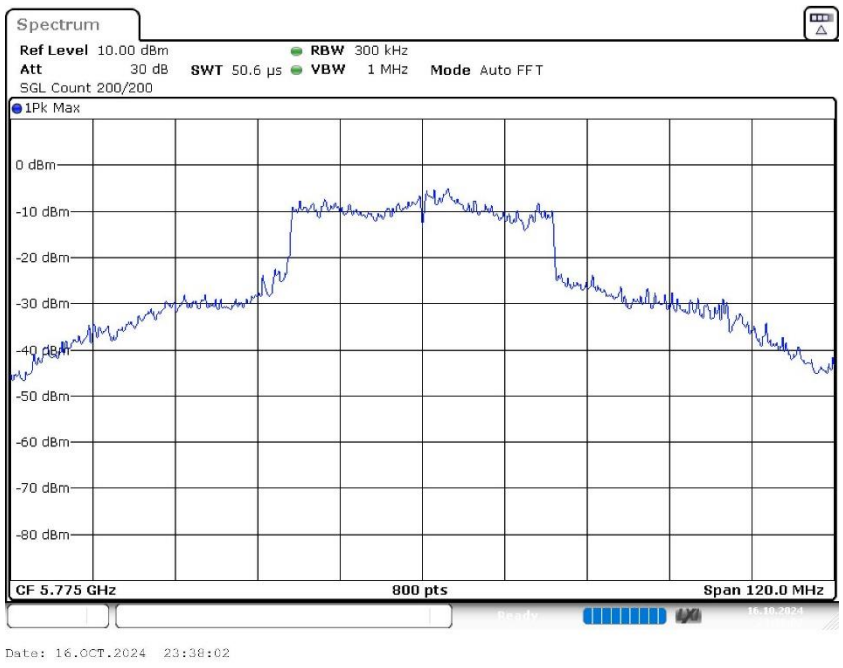
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5775.000000	82.350000	---	---	5737.275000	5819.625000

DUT Frequency (MHz)	Max Level (dBm)	Result
5775.000000	12.1	PASS



Bandwidth



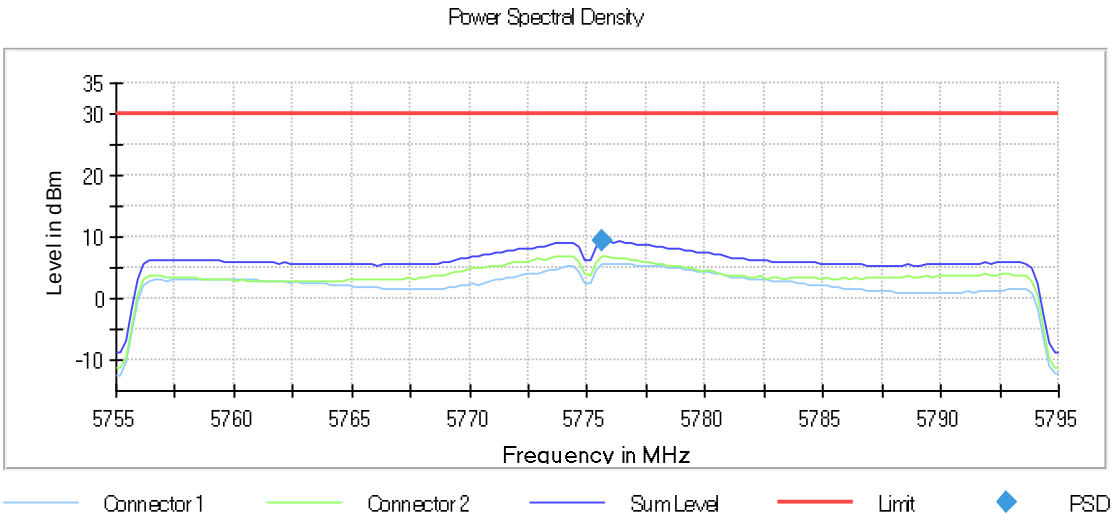
Power Spectral Density (5775 MHz; 24.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5775.000000	5775.625000	9.297	30.0	PASS

Ports

Port	State
1	used
2	used

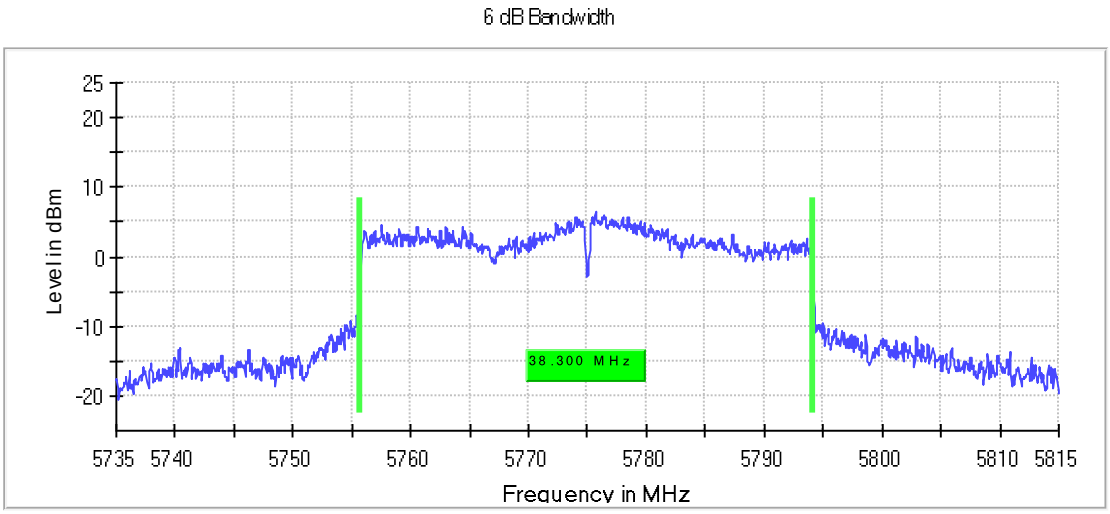


Minimum Emission Bandwidth 6 dB (5775 MHz; 24.000 dBm; 40 MHz)

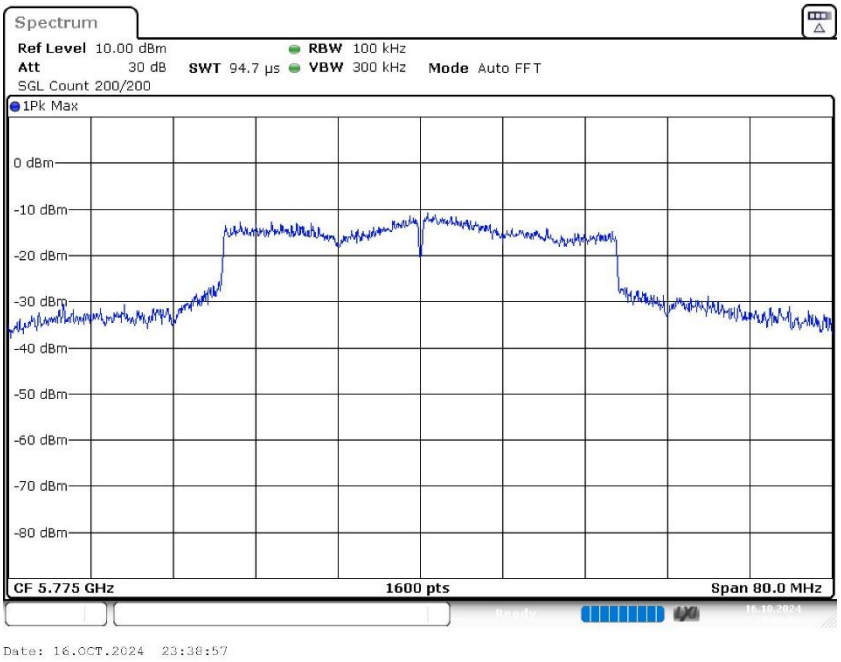
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5775.000000	38.300000	0.500000	---	5755.775000	5794.075000

DUT Frequency (MHz)	Max Level (dBm)	Result
5775.000000	6.5	PASS



Bandwidth

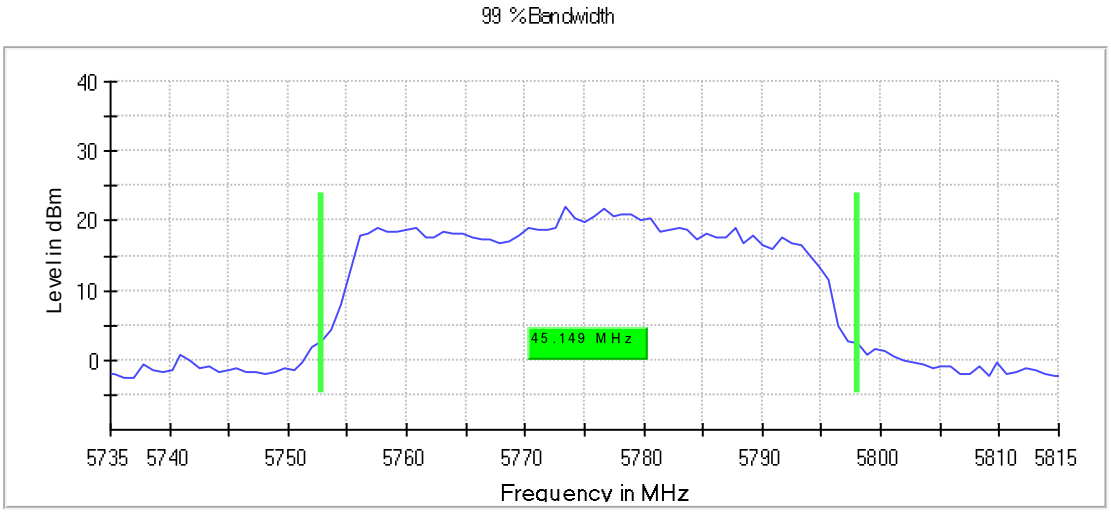


Occupied Channel Bandwidth 99% (5775 MHz; 24.000 dBm; 40 MHz)

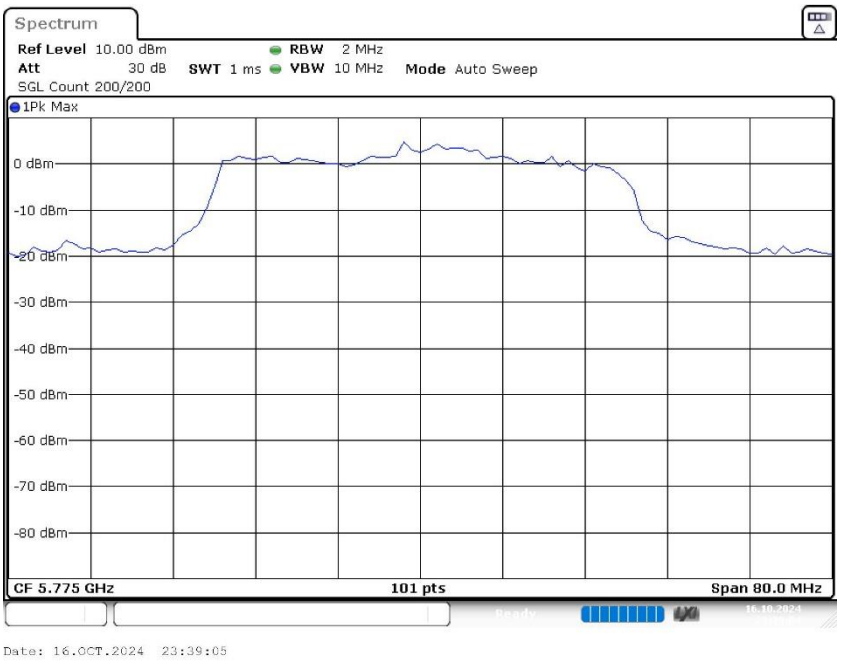
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5775.000000	45.148515	---	---	5752.821782	5797.970297

DUT Frequency (MHz)	Result
5775.000000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.73500 GHz	5.73500 GHz
Stop Frequency	5.81500 GHz	5.81500 GHz
Span	80.000 MHz	80.000 MHz

RBW	2.000 MHz	>= 1.333 MHz
VBW	10.000 MHz	>= 6.000 MHz
SweepPoints	101	~ 80
Sweeptime	1.000 ms	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	Sweep	AUTO
Preamp	off	off

Tx Spurious Emission (5775 MHz; 24.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Result
5775.000000	PASS

Final measurements

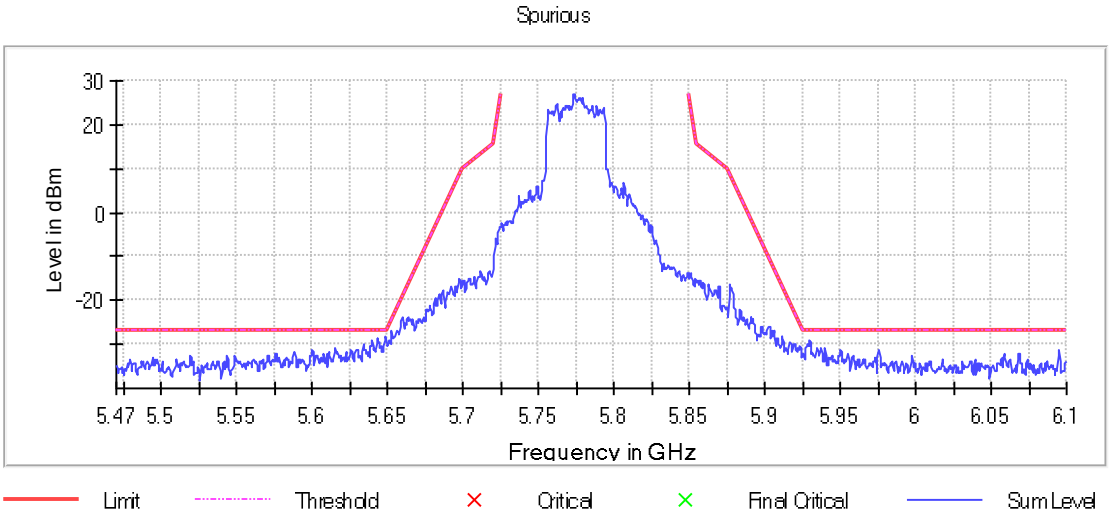
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
5648.750000	-28.4	1.4	-27.0
5643.250000	-28.6	1.6	-27.0
5648.250000	-28.7	1.7	-27.0
5652.750000	-26.9	1.9	-25.0
5647.750000	-29.0	2.0	-27.0
5639.750000	-29.1	2.1	-27.0
5639.250000	-29.2	2.2	-27.0
5929.750000	-29.2	2.2	-27.0
5643.750000	-29.3	2.3	-27.0
5930.250000	-29.4	2.4	-27.0
5642.750000	-29.4	2.4	-27.0
5652.250000	-27.8	2.5	-25.3
5644.250000	-29.6	2.6	-27.0
5649.250000	-29.8	2.8	-27.0
5928.250000	-29.8	2.8	-27.0

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
5470.000000	6100.000000	2	2

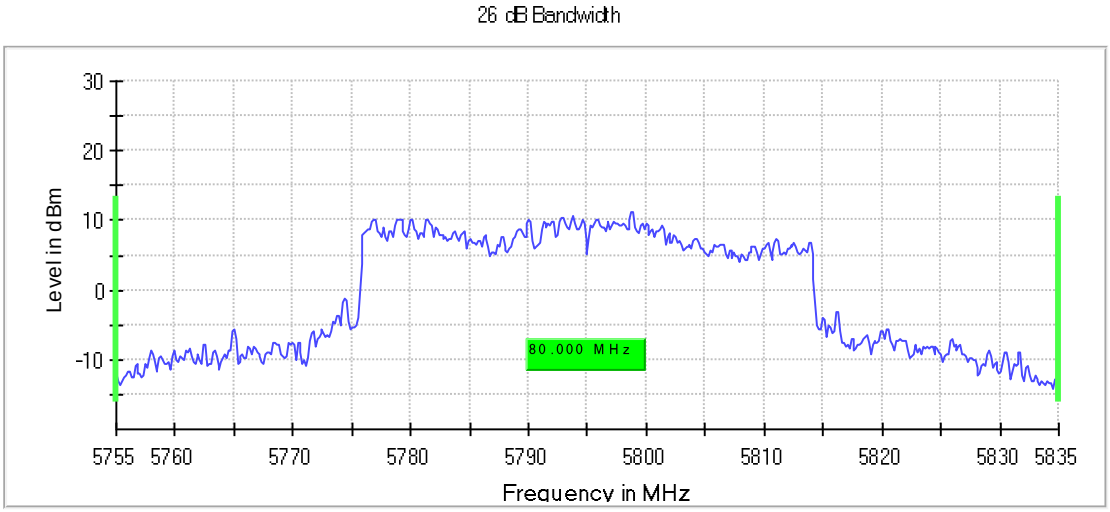


Emission Bandwidth 26 dB (5795 MHz; 24.000 dBm; 40 MHz)

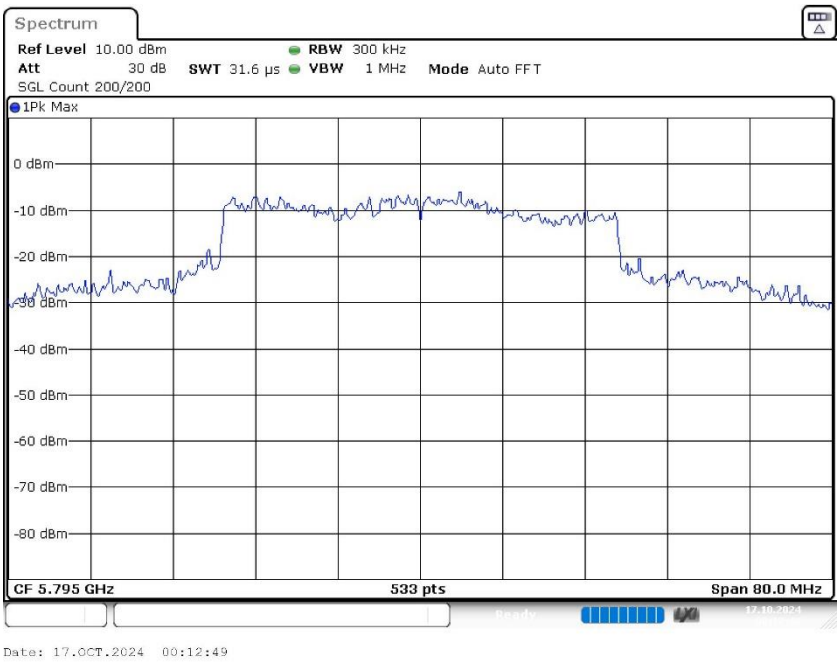
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5795.000000	80.000000	---	---	5755.000000	5835.000000

DUT Frequency (MHz)	Max Level (dBm)	Result
5795.000000	11.3	PASS



Bandwidth



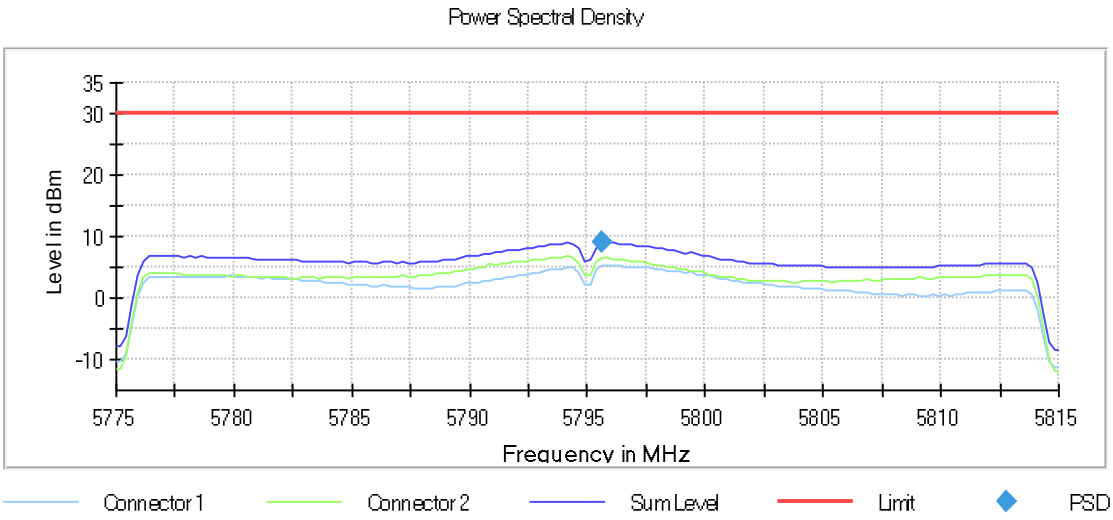
Power Spectral Density (5795 MHz; 24.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5795.000000	5795.625000	8.965	30.0	PASS

Ports

Port	State
1	used
2	used

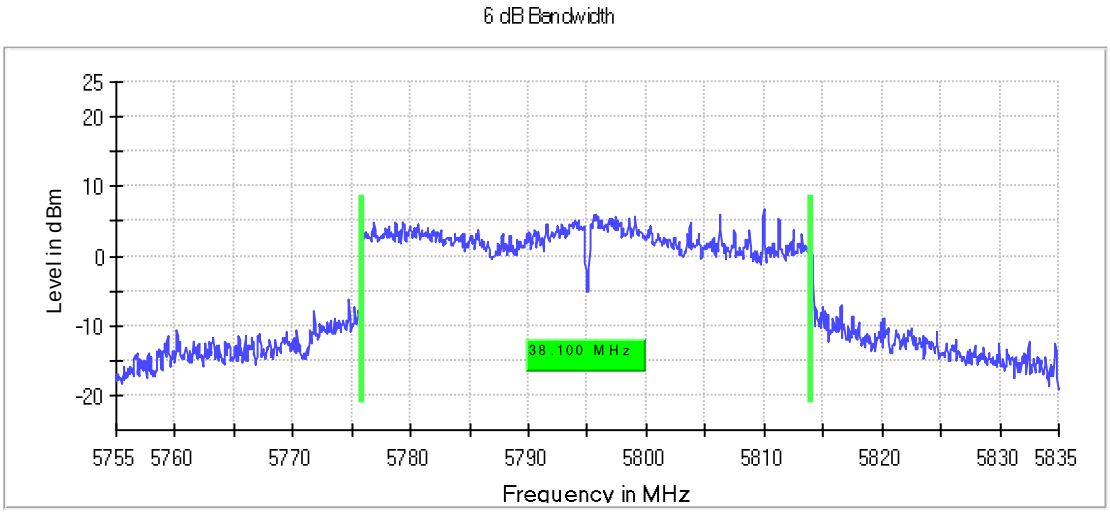


Minimum Emission Bandwidth 6 dB (5795 MHz; 24.000 dBm; 40 MHz)

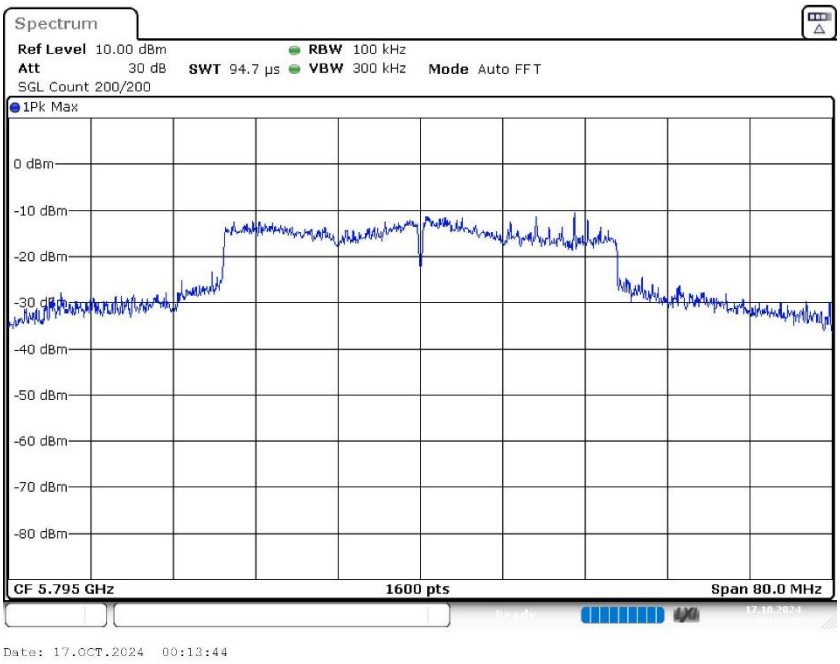
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5795.000000	38.100000	0.500000	---	5775.875000	5813.975000

DUT Frequency (MHz)	Max Level (dBm)	Result
5795.000000	6.8	PASS



Bandwidth

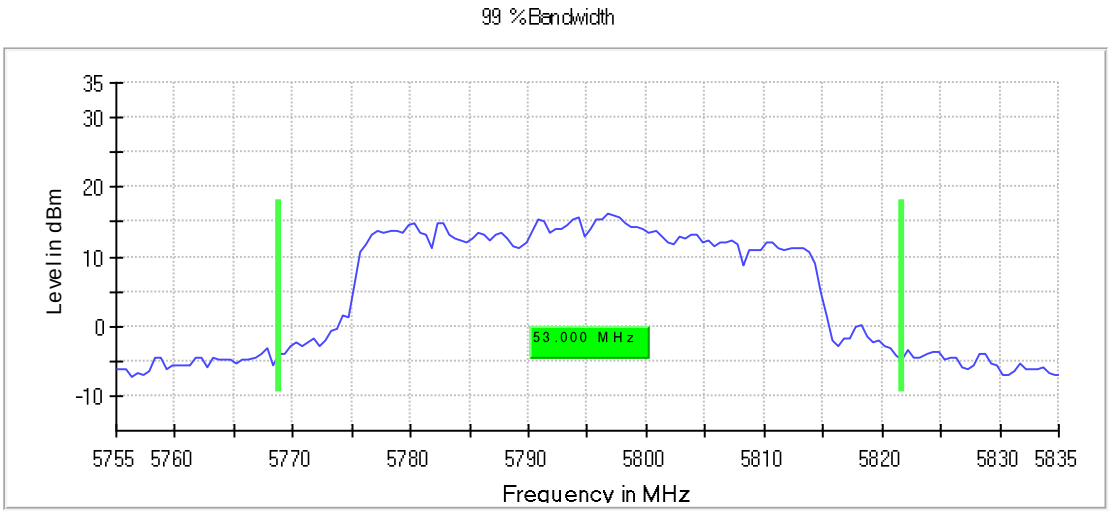


Occupied Channel Bandwidth 99% (5795 MHz; 24.000 dBm; 40 MHz)

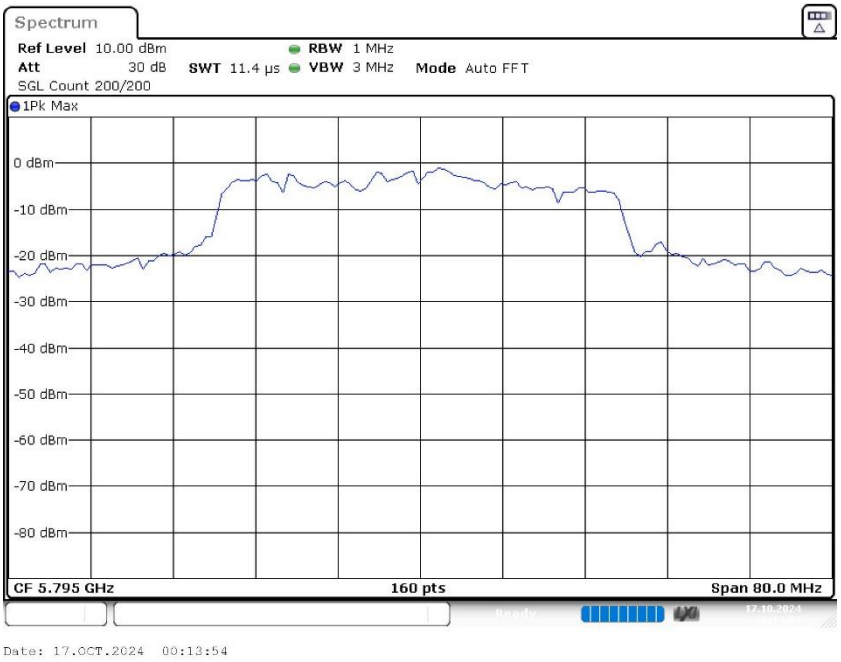
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5795.000000	53.000000	---	---	5768.750000	5821.750000

DUT Frequency (MHz)	Result
5795.000000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.75500 GHz	5.75500 GHz
Stop Frequency	5.83500 GHz	5.83500 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 µs	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

Tx Spurious Emission (5795 MHz; 24.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Result
5795.000000	PASS

Final measurements

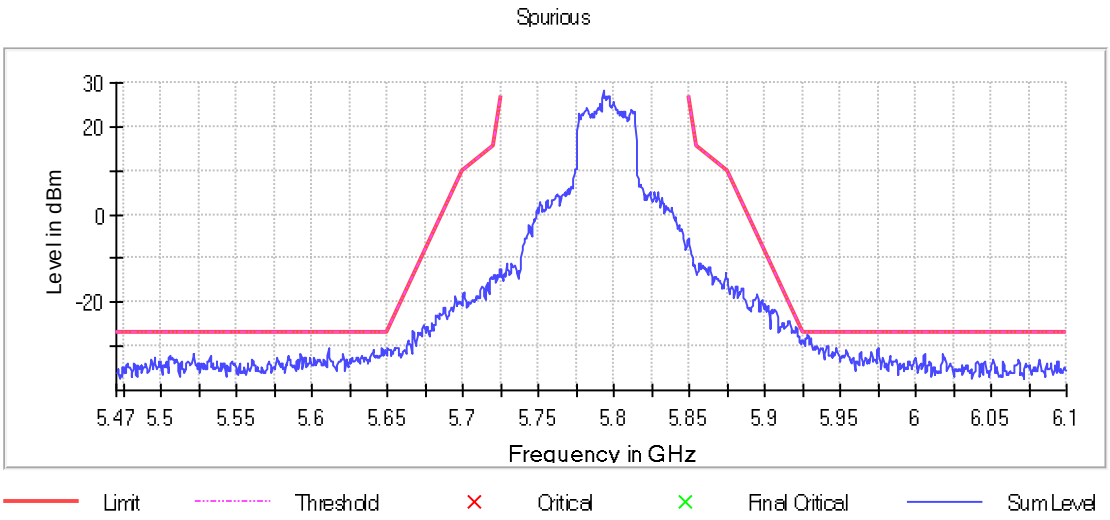
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
5928.250000	-27.4	0.4	-27.0
5928.750000	-27.8	0.8	-27.0
5927.250000	-28.1	1.1	-27.0
5927.750000	-28.3	1.3	-27.0
5930.750000	-28.3	1.3	-27.0
5926.750000	-28.4	1.4	-27.0
5920.750000	-25.4	1.5	-23.9
5925.250000	-28.6	1.6	-27.0
5924.750000	-28.6	1.8	-26.8
5921.250000	-26.0	1.8	-24.2
5929.250000	-28.8	1.8	-27.0
5925.750000	-28.9	1.9	-27.0
5931.250000	-29.2	2.2	-27.0
5921.750000	-27.0	2.4	-24.6
5930.250000	-29.4	2.4	-27.0

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
5470.000000	6100.000000	2	2

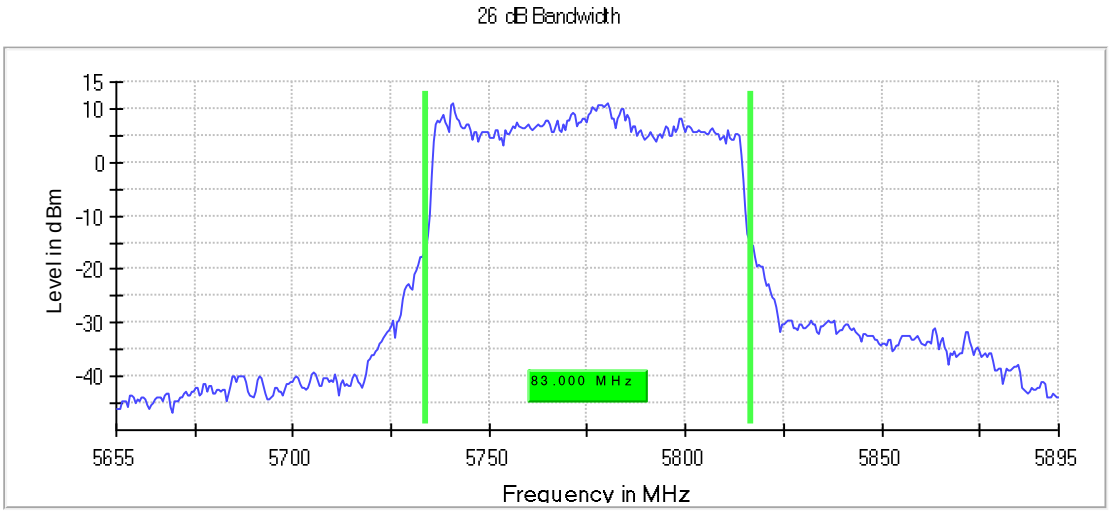


Emission Bandwidth 26 dB (5775 MHz; 24.000 dBm; 80 MHz)

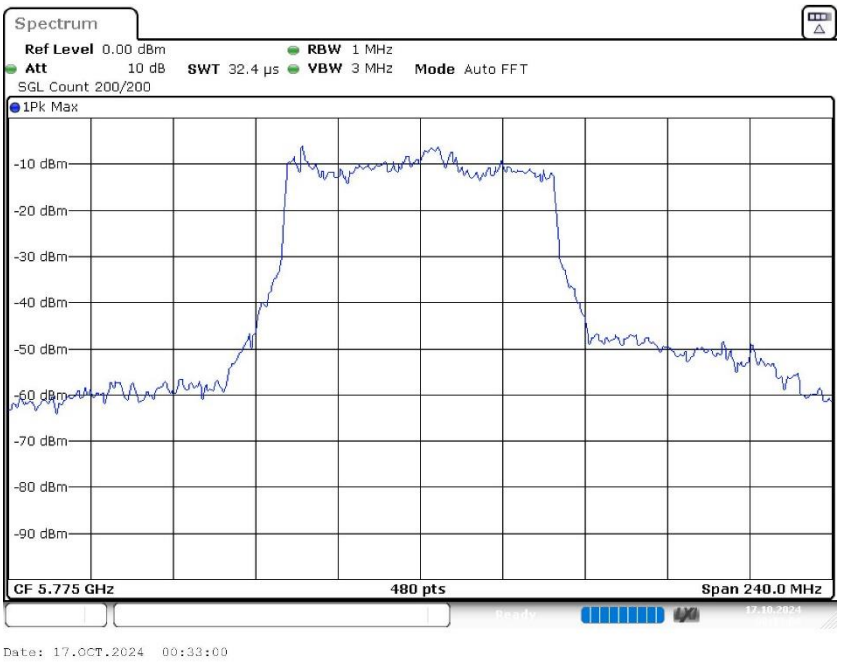
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5775.000000	83.000000	---	---	5733.750000	5816.750000

DUT Frequency (MHz)	Max Level (dBm)	Result
5775.000000	11.2	PASS



Bandwidth



Power Spectral Density (5775 MHz; 24.000 dBm; 80 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5775.000000	5775.875000	2.899	30.0	PASS

Ports

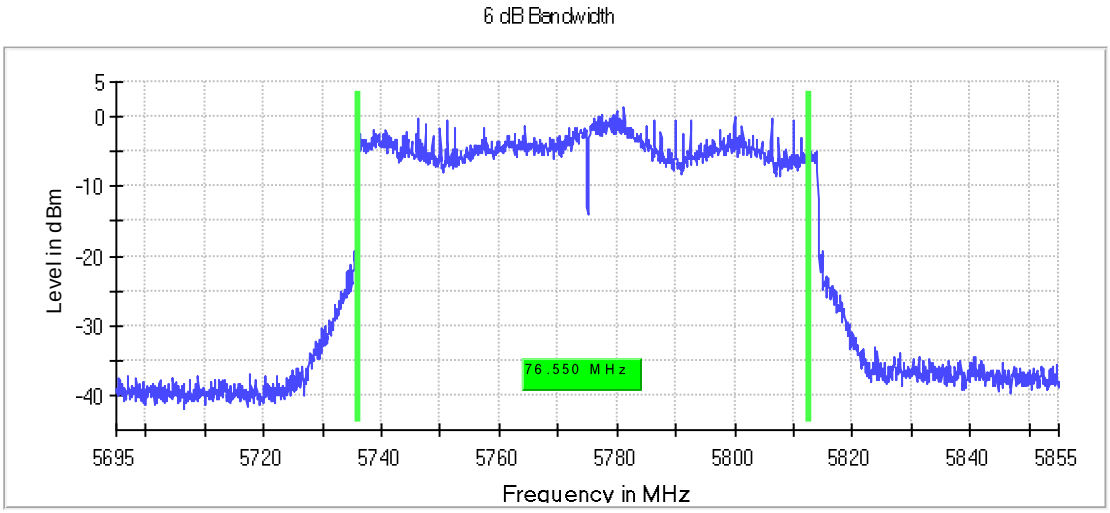
Port	State
1	used
2	used

Minimum Emission Bandwidth 6 dB (5775 MHz; 24.000 dBm; 80 MHz)

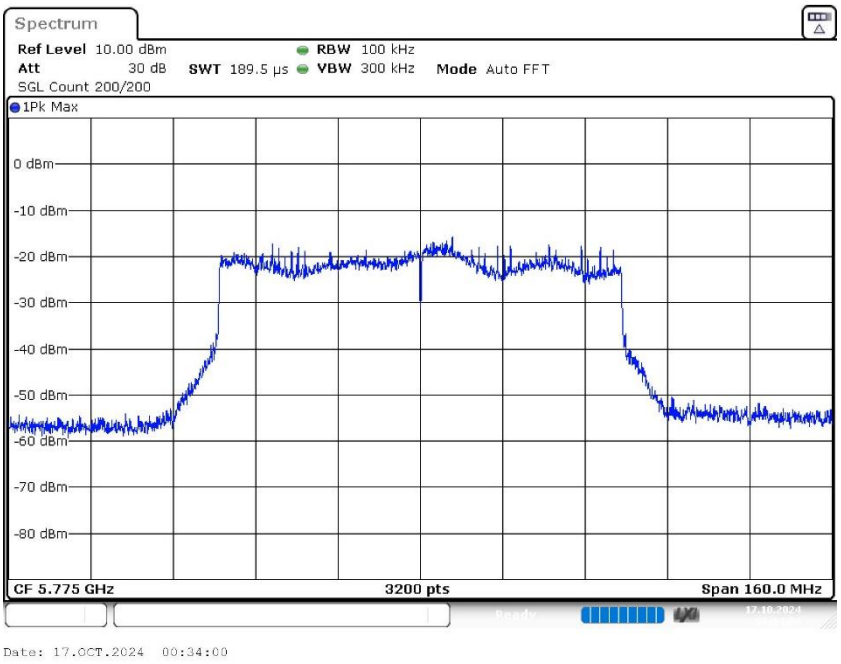
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5775.000000	76.550000	0.500000	---	5736.025000	5812.575000

DUT Frequency (MHz)	Max Level (dBm)	Result
5775.000000	1.5	PASS



Bandwidth

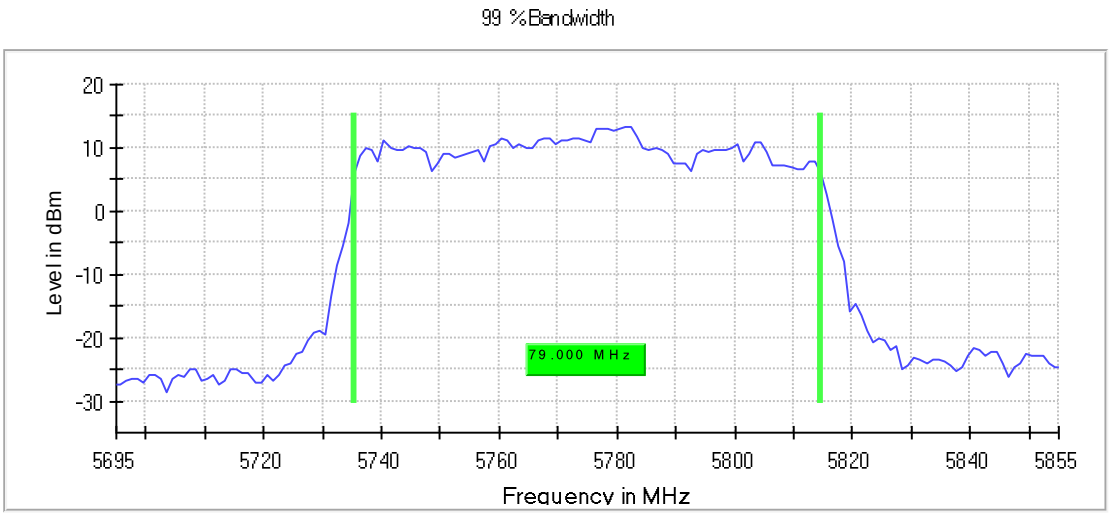


Occupied Channel Bandwidth 99% (5775 MHz; 24.000 dBm; 80 MHz)

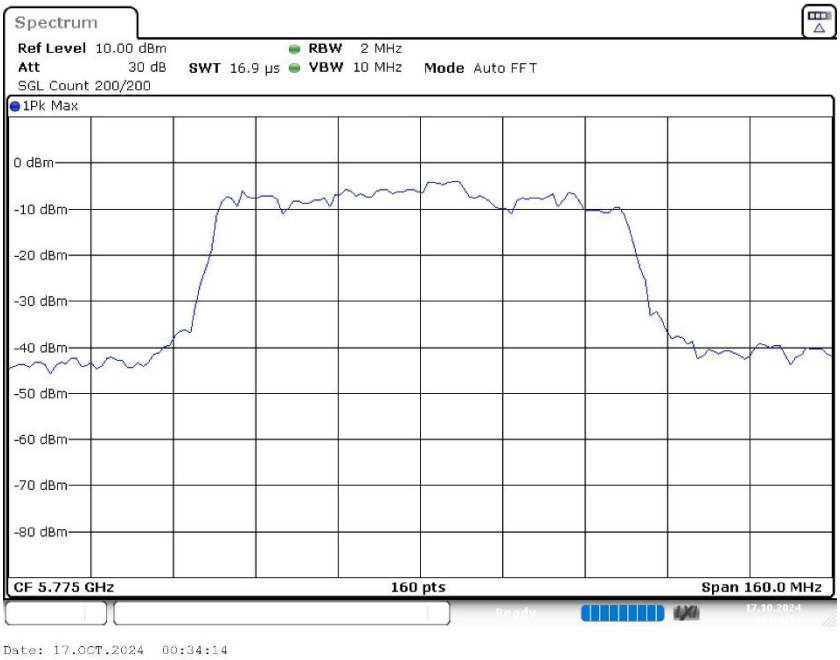
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5775.000000	79.000000	---	---	5735.500000	5814.500000

DUT Frequency (MHz)	Result
5775.000000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.69500 GHz	5.69500 GHz
Stop Frequency	5.85500 GHz	5.85500 GHz
Span	160.000 MHz	160.000 MHz
RBW	2.000 MHz	>= 2.000 MHz
VBW	10.000 MHz	>= 6.000 MHz
SweepPoints	160	~ 160
Sweeptime	16.875 µs	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

Tx Spurious Emission (5775 MHz; 24.000 dBm; 80 MHz)

Result

DUT Frequency (MHz)	Result
5775.000000	PASS

Final measurements

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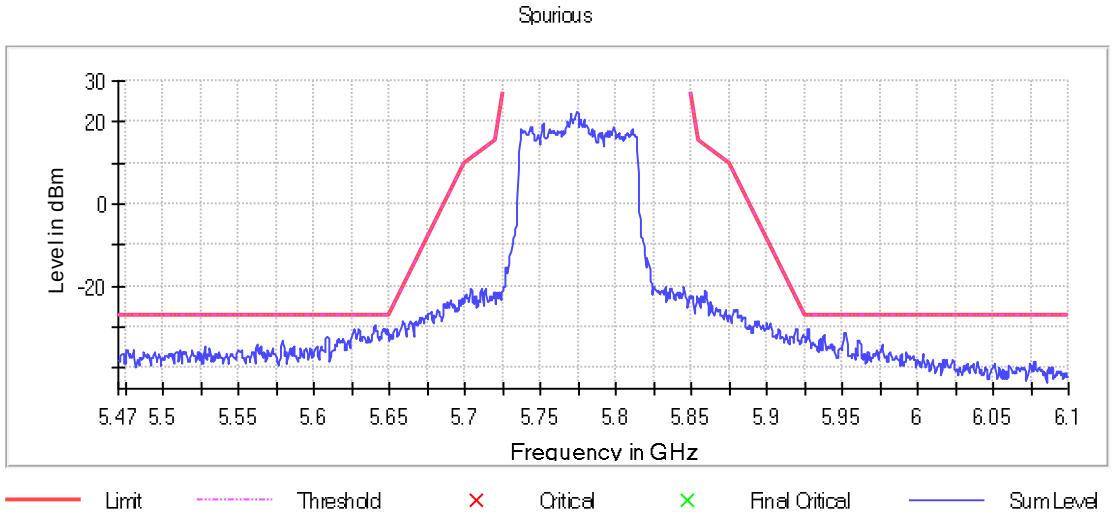
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
5640.250000	-29.3	2.3	-27.0
5639.750000	-29.8	2.8	-27.0
5640.750000	-29.9	2.9	-27.0
5626.750000	-30.4	3.4	-27.0
5648.750000	-30.5	3.5	-27.0
5927.250000	-30.5	3.5	-27.0
5646.250000	-30.5	3.5	-27.0
5927.750000	-30.6	3.6	-27.0
5626.250000	-30.6	3.6	-27.0
5629.250000	-30.6	3.6	-27.0
5648.250000	-30.7	3.7	-27.0
5646.750000	-30.7	3.7	-27.0
5645.250000	-30.7	3.7	-27.0
5641.250000	-30.8	3.8	-27.0
5926.750000	-30.8	3.8	-27.0

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
5470.000000	6100.000000	2	2



-- End of Report –