



427 West 12800 South  
Draper, UT 84020

## Test Report Attachment

<b>FCC ID</b>	SWX-UKU
<b>ISED ID</b>	6545A-UKU
<b>Equipment Under Test</b>	UK-Ultra
<b>Test Report Serial Number</b>	TR8513_01
<b>Date of Test</b>	30 November 2023
<b>Report Issue Date</b>	18 December 2023

### Test Personnel

<b>Testing performed by</b>	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 2023. 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-3 Band

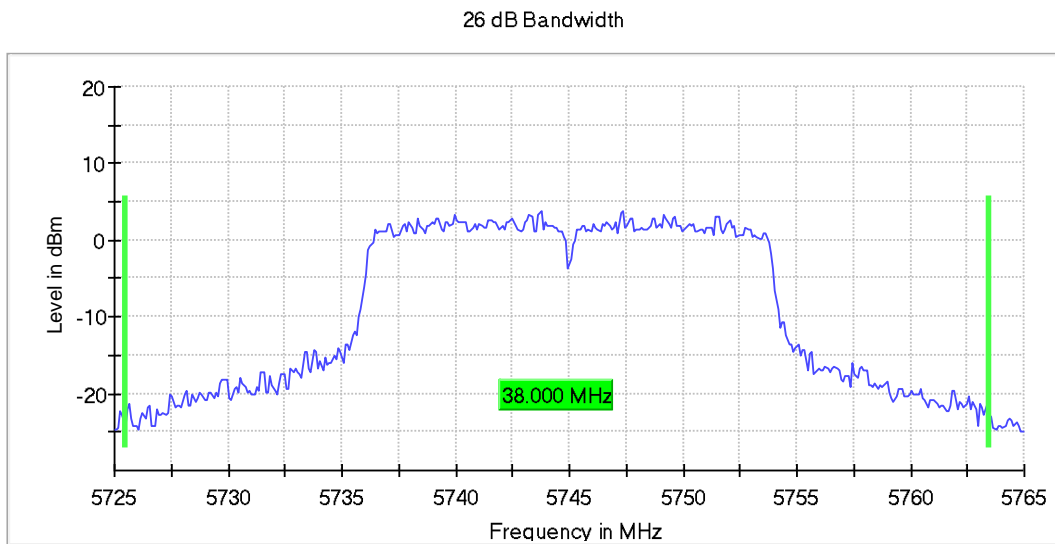
Test	Frequency	Nominal Power	Nominal Bandwidth	Result
	MHz	dBm	MHz	
Emission Bandwidth 26 dB	5745.000	24.0	20.000000	<b>PASS</b>
RF output power	5745.000	24.0	20.000000	<b>PASS</b>
Power Spectral Density	5745.000	24.0	20.000000	<b>PASS</b>
Minimum Emission Bandwidth 6 dB	5745.000	24.0	20.000000	<b>PASS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

Test	Frequency	Nominal Power	Nominal Bandwidth	Result
	MHz	dBm	MHz	
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

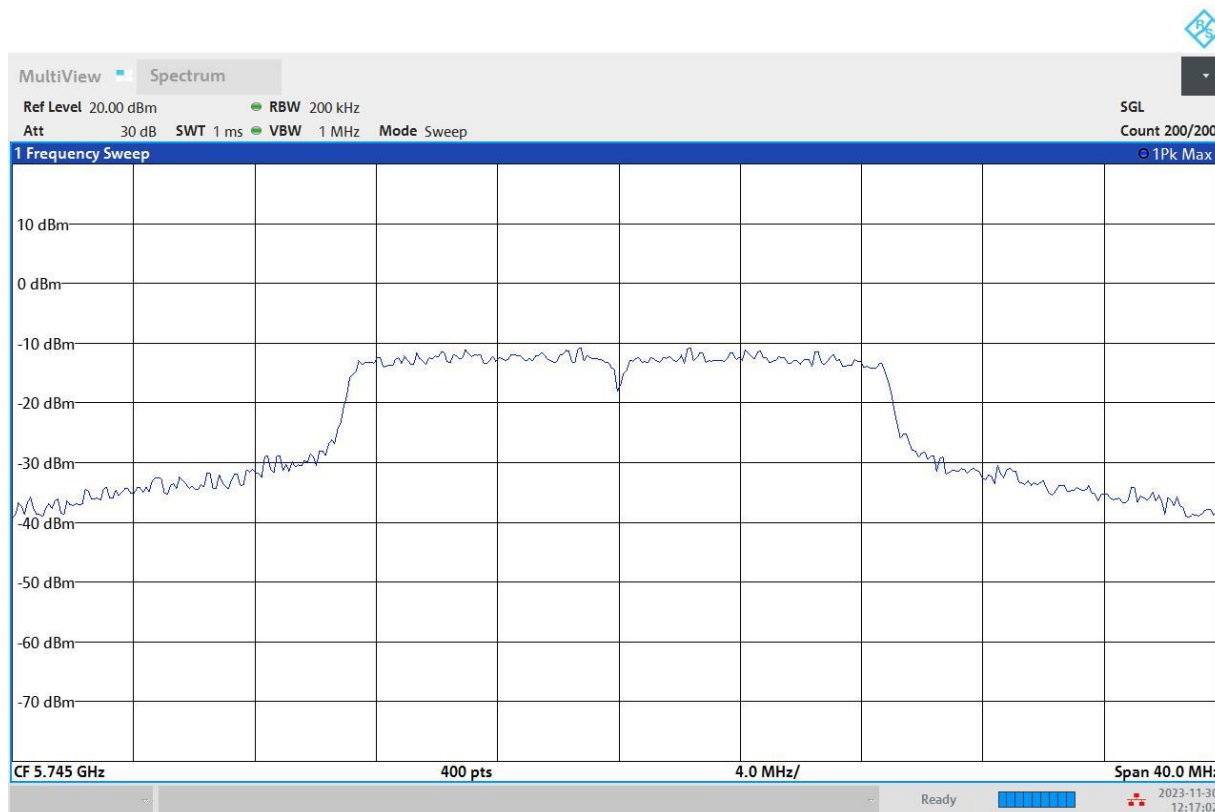
### Emission Bandwidth 26 dB (5745 MHz, 20 MHz, 24.000 dBm)

Table 1: 26 dB Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5745.000000	38.000000	---	---	5725.450000	5763.450000	3.7	PASS



**Figure 1: 26 dB Bandwidth**



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**Table 2: Measurement**

<b>Setting</b>	<b>Instrument Value</b>	<b>Target Value</b>
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	1.000 ms	AUTO
Reference Level	20.000 dBm	20.000 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

## RF output power (5745 MHz, 20 MHz, 24.000 dBm)

**Table 3: Result**

DUT Frequency	Gated RMS	Limit Max	Gated EIRP	DutyCycle	Result
MHz	dBm	dBm	dBm	%	
5745.000000	20.7	30.0	20.7	97.186	<b>PASS</b>

**Table 4: OSP PowerMeter settings**

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 $\mu$ s	1.000 $\mu$ s

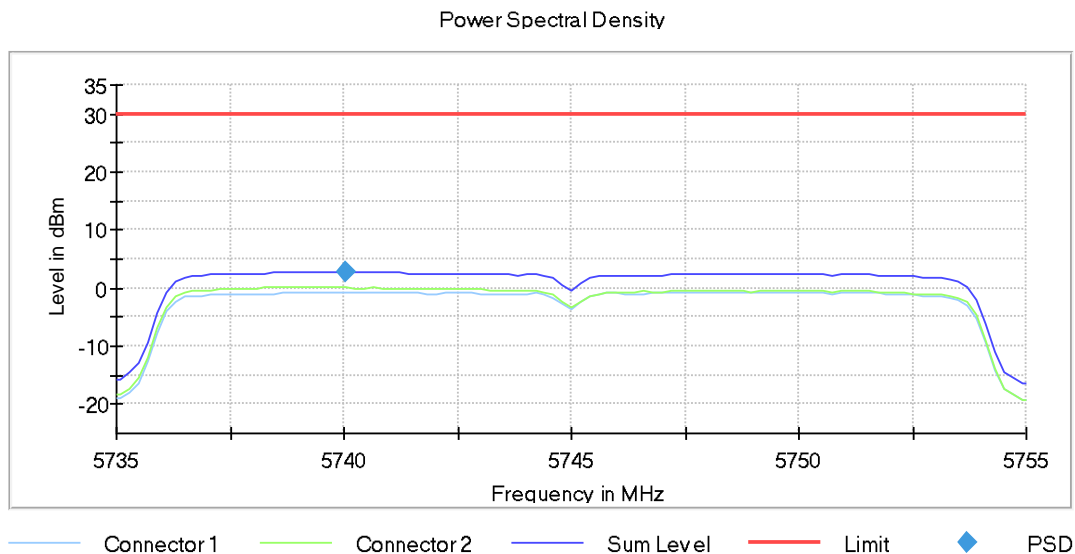
## Power Spectral Density (5745 MHz, 20 MHz, 24.000 dBm)

**Table 5: Result**

DUT Frequency	Frequency	PSD	Limit Max	Result
MHz	MHz	dBm	dBm	
5745.000000	5740.049505	2.762	30.0	<b>PASS</b>

**Table 6: Ports**

Port	State
1	used
2	used



**Figure 2: Power Spectral Density**

**Table 7: 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	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power

Setting	Instrument Value	Target Value
Sweeptype	Sweep	AUTO
Preamp	off	off

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

Table 8: 6 dB Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5745.000000	17.650000	0.500000	---	5736.125000	5753.775000	3.1	<b>PASS</b>

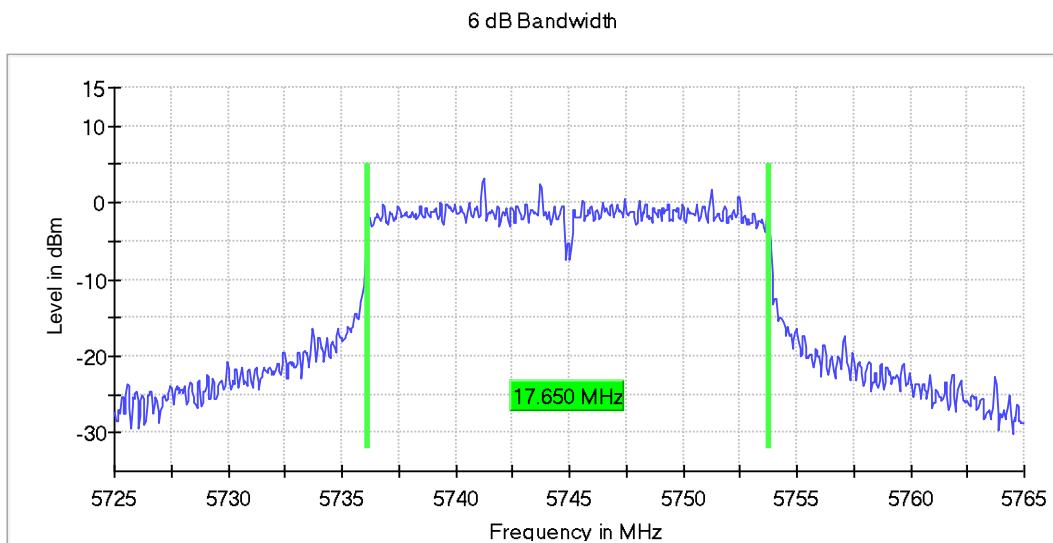
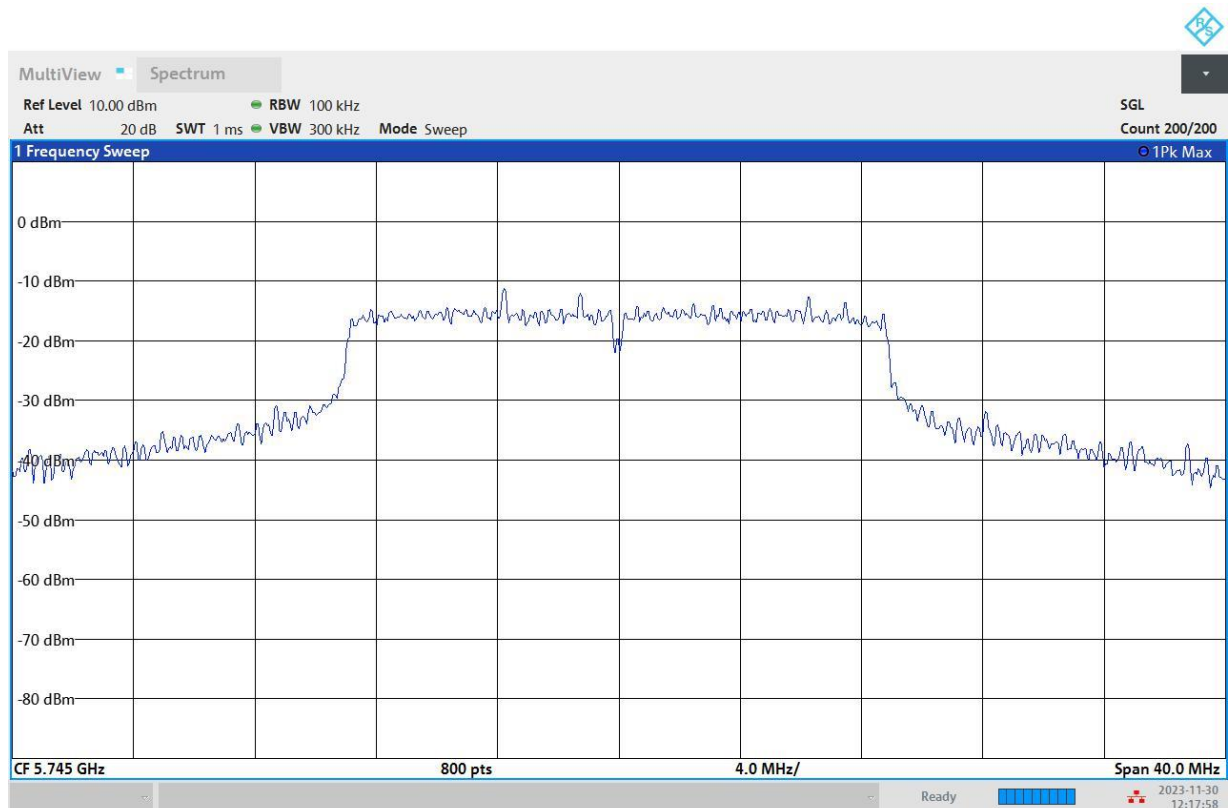


Figure 3: 6 dB Bandwidth





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**Table 9: 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	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO

Setting	Instrument Value	Target Value
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off

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

Table 10: 99 % Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	
5745.000000	19.400000	---	---	5735.150000	5754.550000	<b>PASS</b>

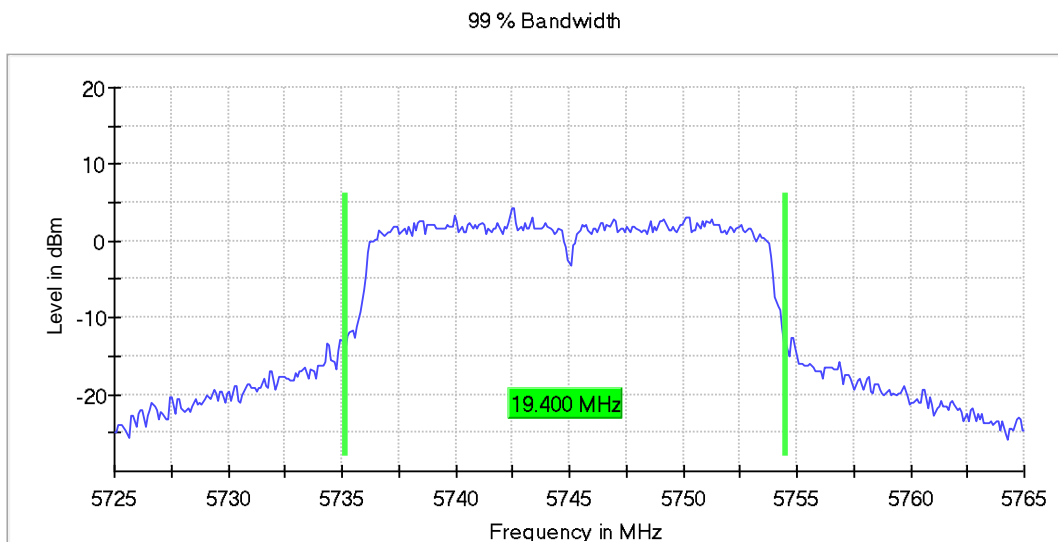
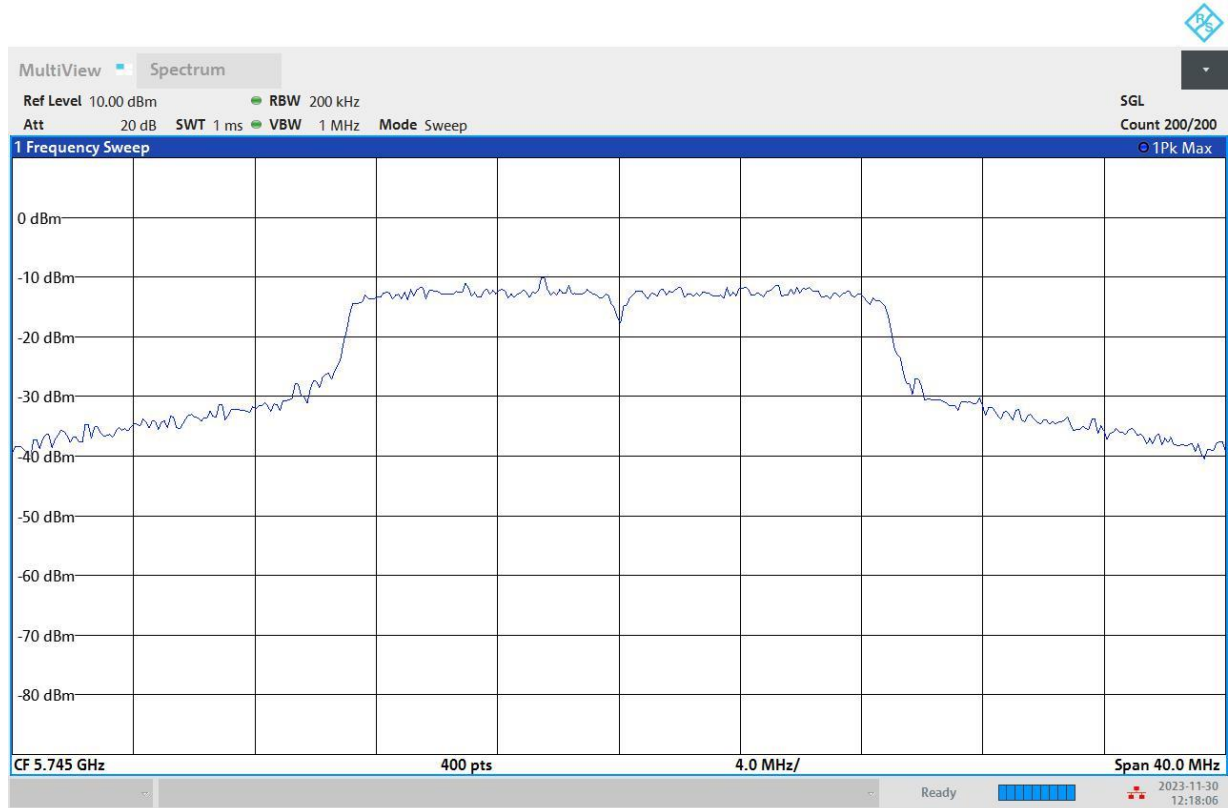


Figure 4: 99 % Bandwidth



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**Table 11: 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	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO

Setting	Instrument Value	Target Value
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 (5745 MHz, 20 MHz, 24.000 dBm)

Table 12: Result

DUT Frequency	Result
MHz	
5745.000000	<b>PASS</b>

Table 13: Final measurements

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

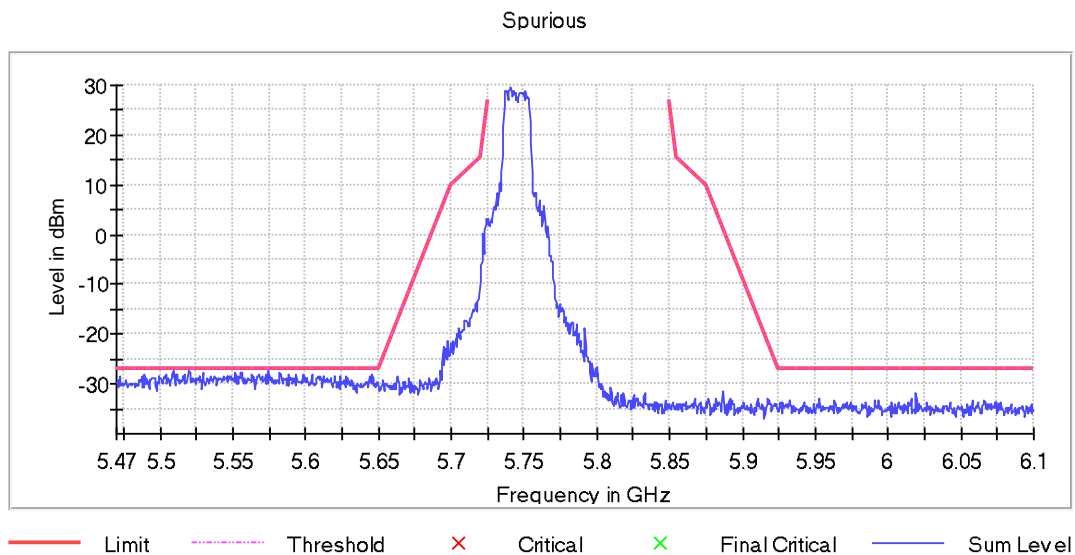
Table 14: Pre Measurements

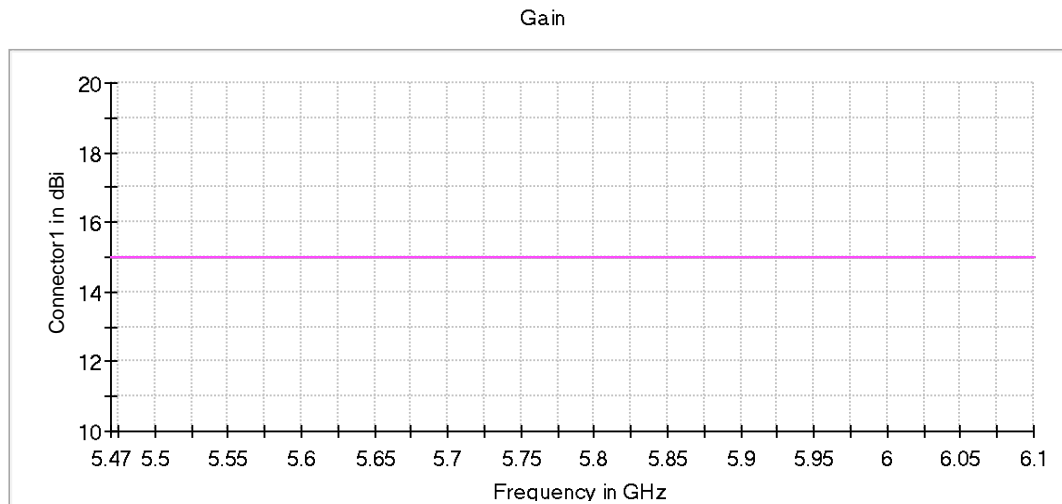
Frequency	Level	Margin	Limit
MHz	dBm	dB	dBm
5508.750000	-27.2	0.2	-27.0
5574.750000	-27.4	0.4	-27.0
5519.750000	-27.5	0.5	-27.0
5555.750000	-27.6	0.6	-27.0
5555.250000	-27.6	0.6	-27.0
5551.750000	-27.7	0.7	-27.0
5509.750000	-27.8	0.8	-27.0

Frequency	Level	Margin	Limit
MHz	dBm	dB	dBm
5519.250000	-27.8	0.8	-27.0
5520.250000	-27.8	0.8	-27.0
5529.750000	-27.8	0.8	-27.0
5582.250000	-27.8	0.8	-27.0
5529.250000	-27.9	0.9	-27.0
5567.750000	-27.9	0.9	-27.0
5604.250000	-27.9	0.9	-27.0
5489.250000	-28.0	1.0	-27.0

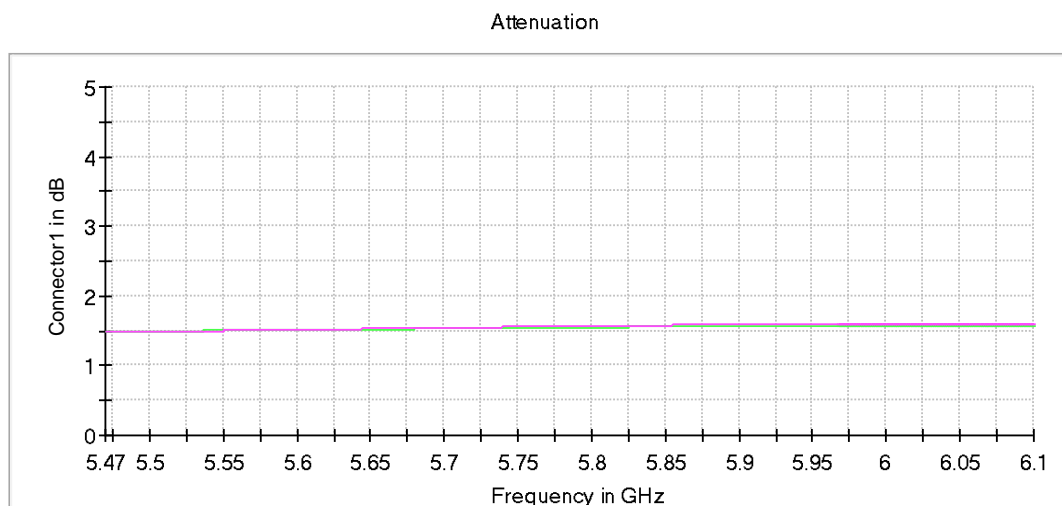
**Table 15: Measurement Settings**

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





Connector1 Connector2



Connector1 Connector2

**Table 16: Pre Measurement 2**

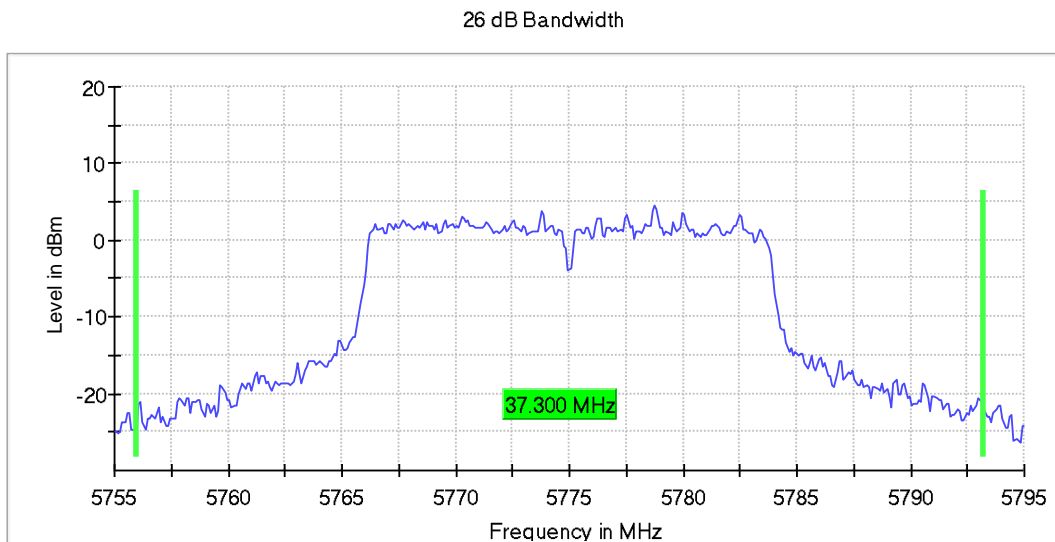
Setting	Instrument Value	Target Value
RBW	1.000 MHz	$\leq 1.000$ MHz
VBW	3.000 MHz	$\geq 3.000$ MHz
SweepPoints	1260	$\sim 1260$
Sweeptime	1.260 ms	AUTO
Reference Level	20.000 dBm	-10.000 dBm

Setting	Instrument Value	Target Value
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	Sweep	AUTO
Preamp	off	off

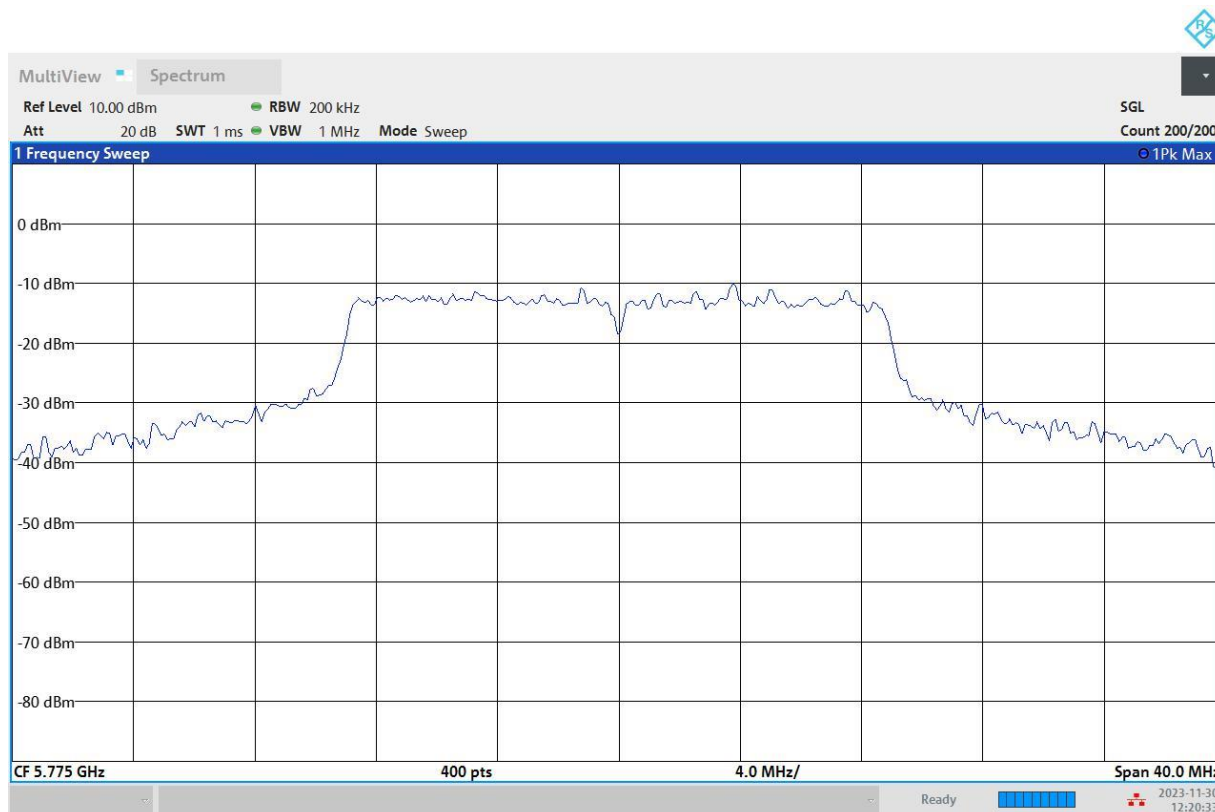
### Emission Bandwidth 26 dB (5775 MHz, 20 MHz, 24.000 dBm)

Table 17: 26 dB Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5775.000000	37.300000	---	---	5755.950000	5793.250000	4.5	<b>PASS</b>



**Figure 5: 26 dB Bandwidth**



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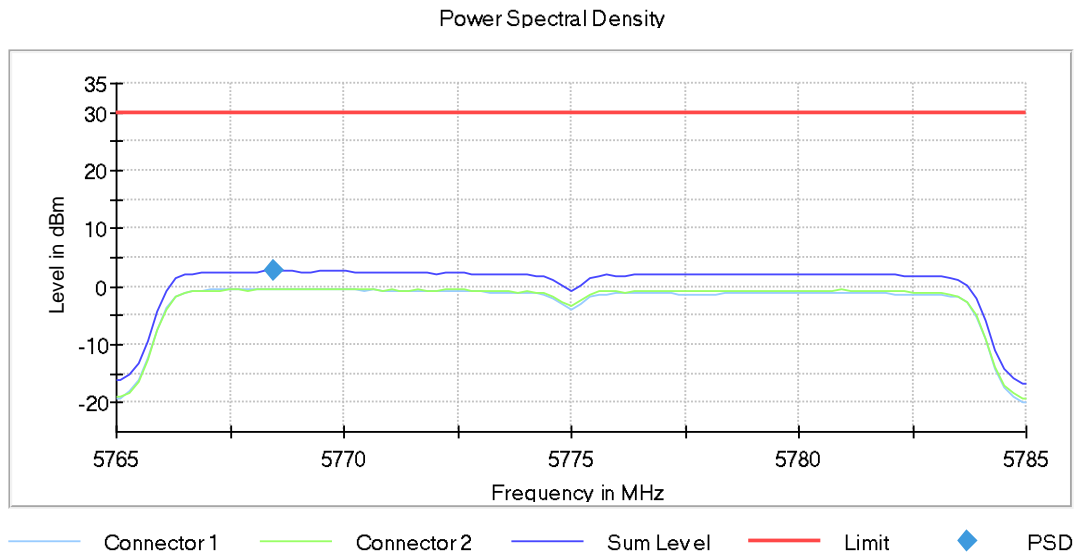
### Power Spectral Density (5775 MHz, 20 MHz, 24.000 dBm)

**Table 18: Result**

DUT Frequency MHz	Frequency MHz	PSD dBm	Limit Max dBm	Result
5775.000000	5768.465347	2.690	30.0	<b>PASS</b>

**Table 19: Ports**

Port	State
1	used
2	used

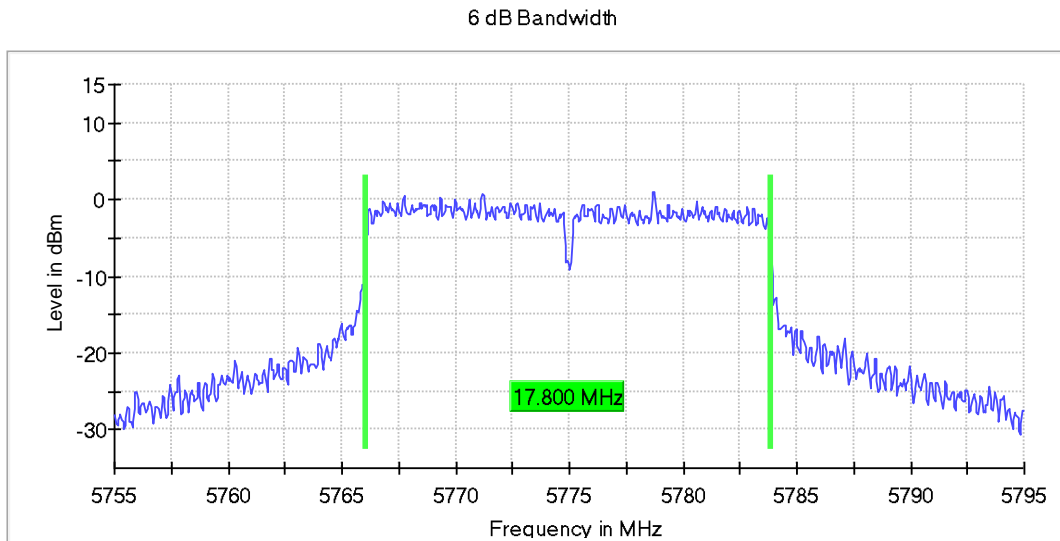


**Figure 6: Power Spectral Density**

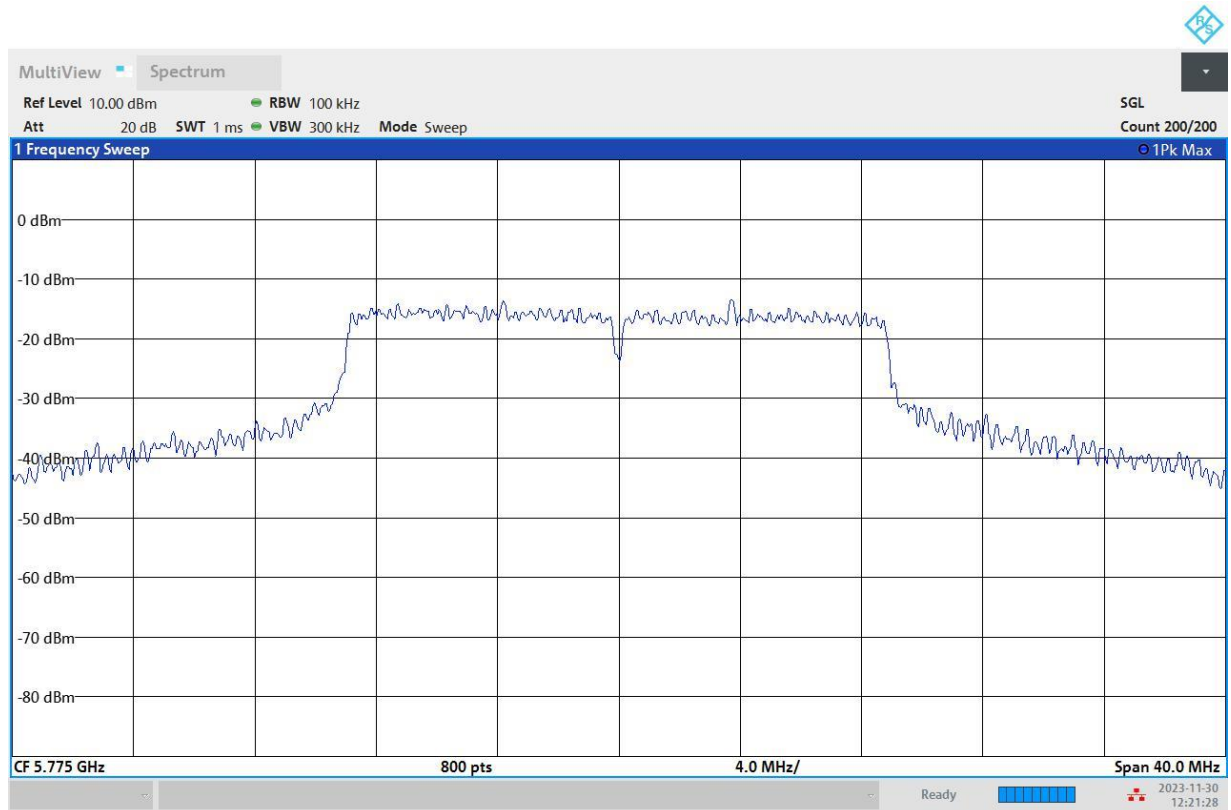
**Minimum Emission Bandwidth 6 dB (5775 MHz, 20 MHz, 24.000 dBm)**

**Table 20: 6 dB Bandwidth**

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5775.000000	17.800000	0.500000	---	5766.025000	5783.825000	1.1	<b>PASS</b>



**Figure 7: 6 dB Bandwidth**

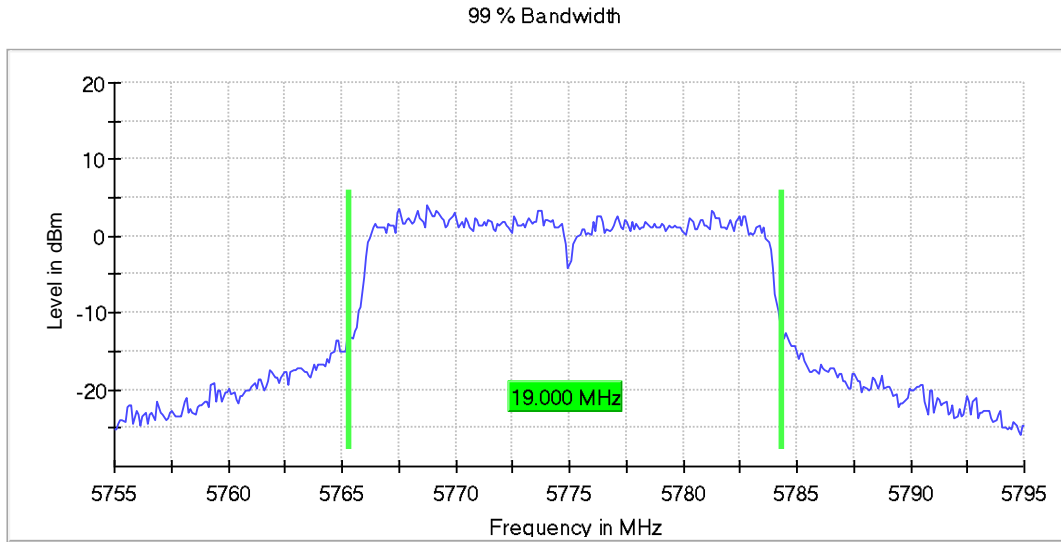


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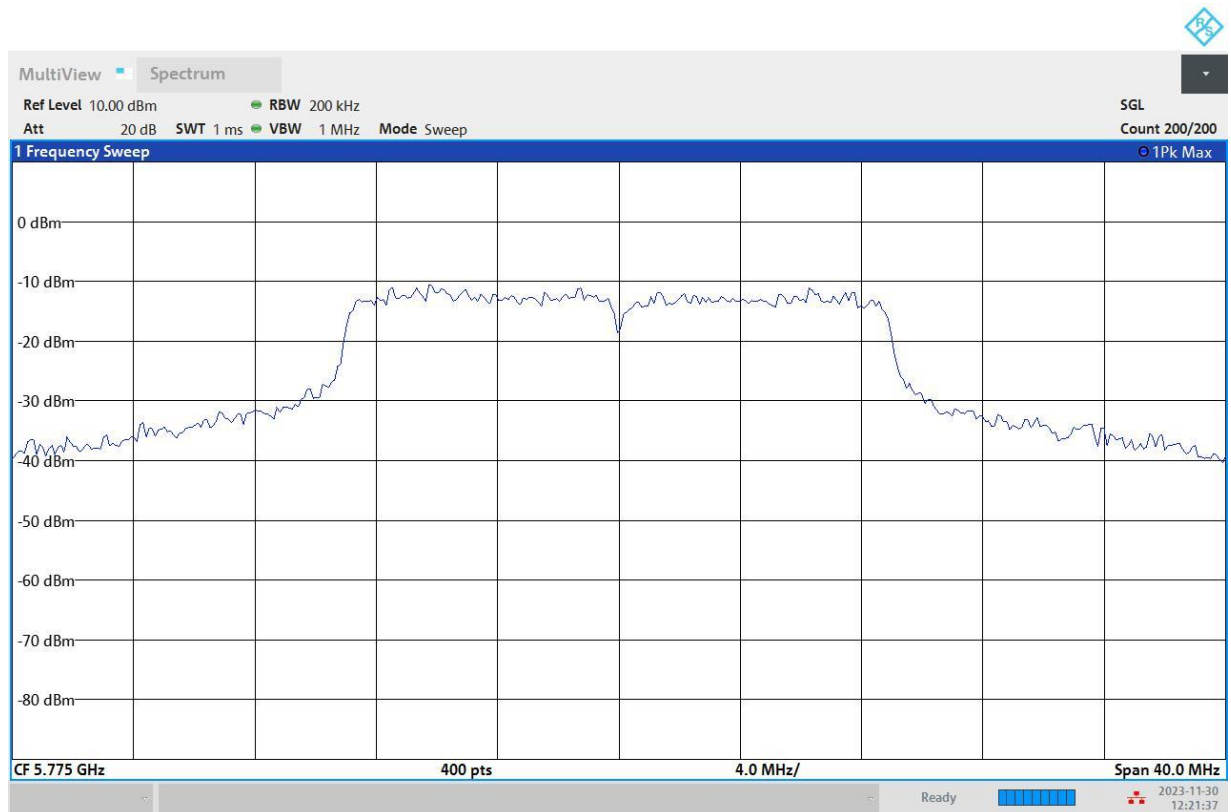
**Occupied Channel Bandwidth 99% (5775 MHz, 20 MHz, 24.000 dBm)**

**Table 21: 99 % Bandwidth**

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	
5775.000000	19.000000	---	---	5765.350000	5784.350000	<b>PASS</b>



**Figure 8: 99 % Bandwidth**



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## Tx Spurious Emission (5775 MHz, 20 MHz, 24.000 dBm)

**Table 22: Result**

DUT Frequency	Result
MHz	
5775.000000	<b>PASS</b>

**Table 23: Final measurements**

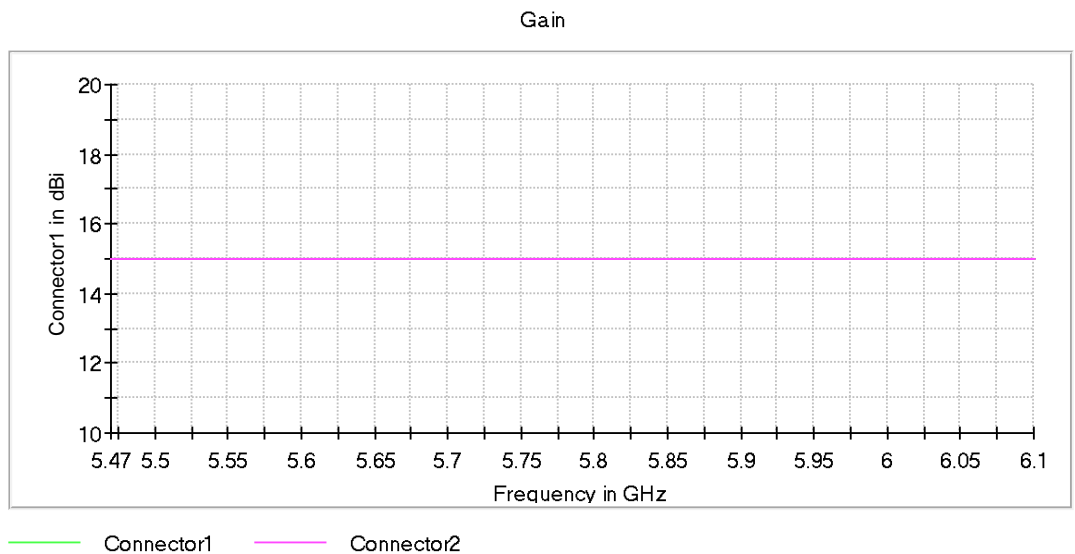
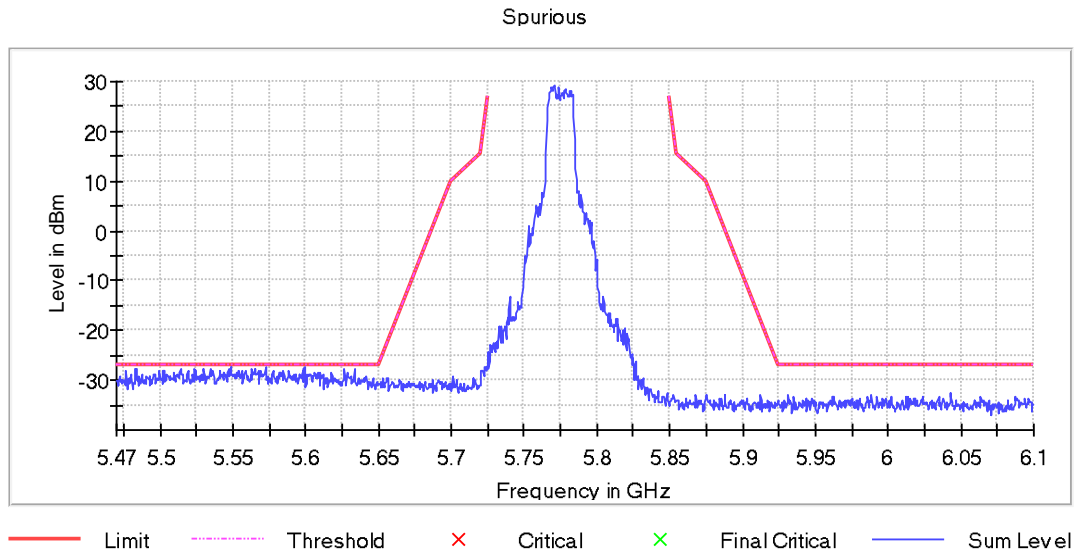
Frequency	Level Pre Measurement	level	Limit	Margin	Result
MHz	dBm	dBm	dBm	dB	
---	---	---	---	---	---

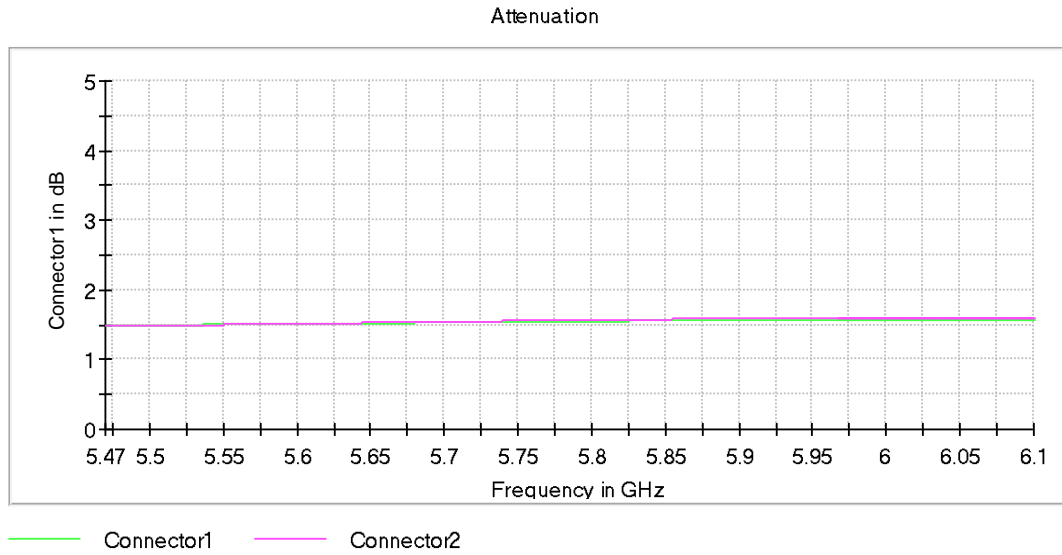
**Table 24: Pre Measurements**

Frequency	Level	Margin	Limit
MHz	dBm	dB	dBm
5572.750000	-27.2	0.2	-27.0
5548.750000	-27.2	0.2	-27.0
5599.250000	-27.2	0.2	-27.0
5572.250000	-27.2	0.2	-27.0
5483.750000	-27.6	0.6	-27.0
5565.250000	-27.6	0.6	-27.0
5534.250000	-27.6	0.6	-27.0
5523.750000	-27.6	0.6	-27.0
5598.750000	-27.6	0.6	-27.0
5548.250000	-27.7	0.7	-27.0
5563.250000	-27.7	0.7	-27.0
5514.250000	-27.8	0.8	-27.0
5534.750000	-27.8	0.8	-27.0
5633.250000	-27.8	0.8	-27.0
5529.750000	-27.8	0.8	-27.0

**Table 25: Measurement Settings**

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

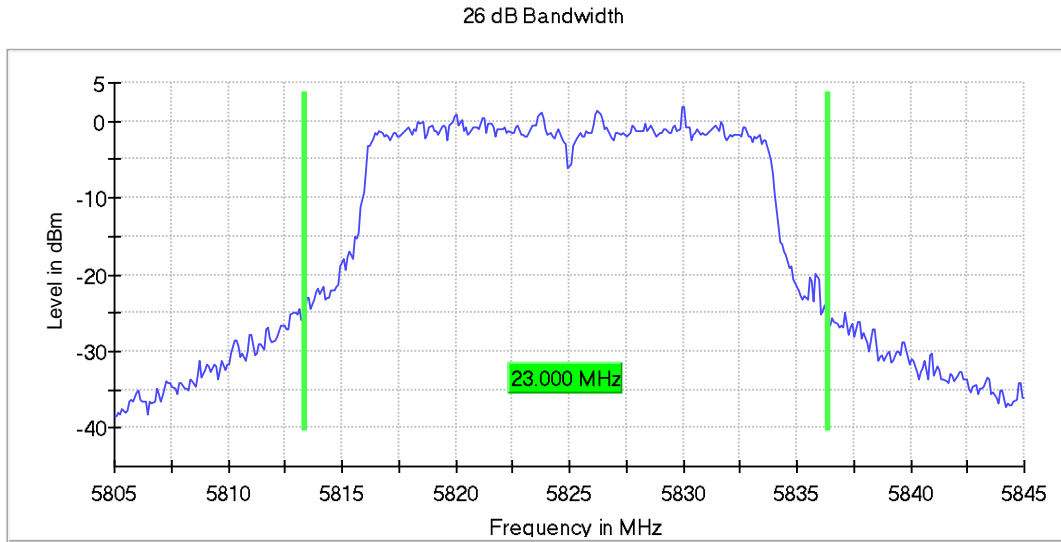




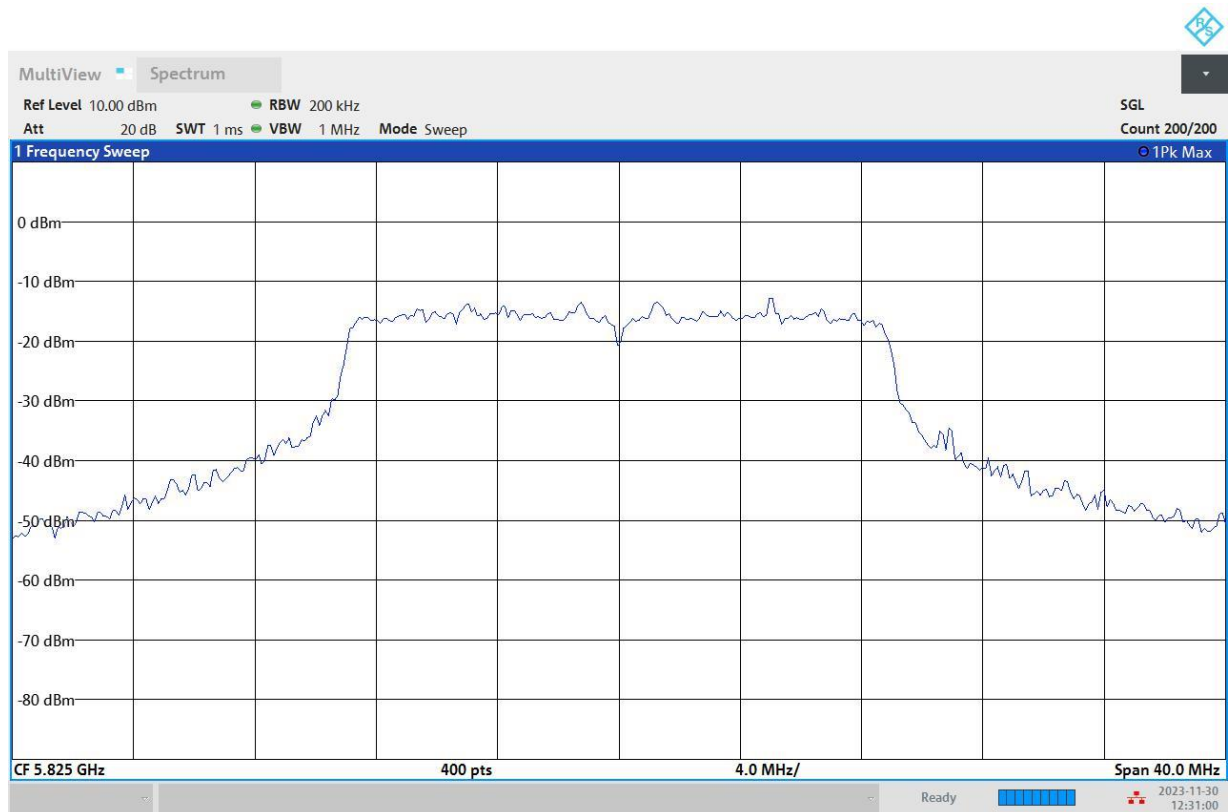
**Emission Bandwidth 26 dB (5825 MHz, 20 MHz, 24.000 dBm)**

Table 26: 26 dB Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5825.000000	23.000000	---	---	5813.350000	5836.350000	1.8	<b>PASS</b>



**Figure 9: 26 dB Bandwidth**



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### Power Spectral Density (5825 MHz, 20 MHz, 24.000 dBm)

Table 27: Result

DUT Frequency MHz	Frequency MHz	PSD dBm	Limit Max dBm	Result
5825.000000	5818.861386	-0.172	30.0	<b>PASS</b>

Table 28: Ports

Port	State
1	used
2	used

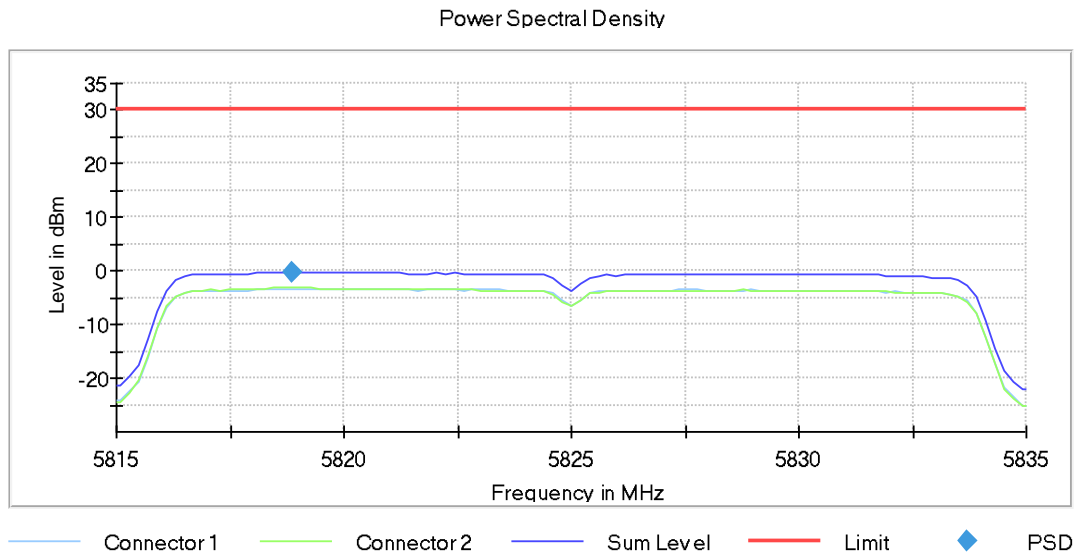
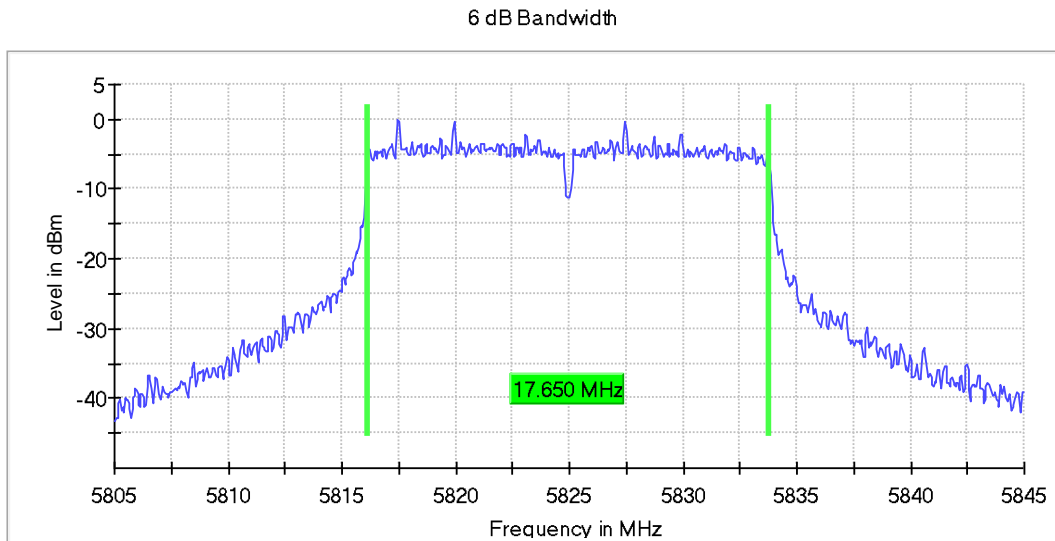


Figure 10: Power Spectral Density

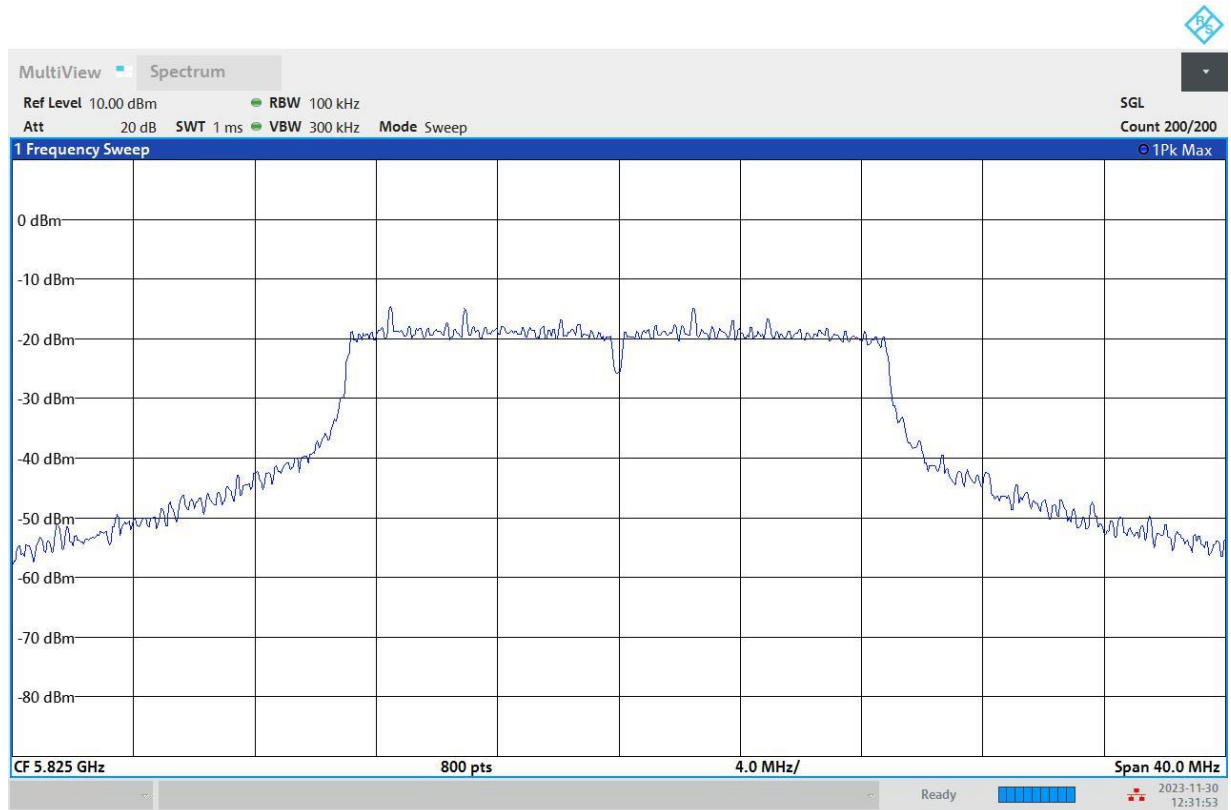
**Minimum Emission Bandwidth 6 dB (5825 MHz, 20 MHz, 24.000 dBm)**

**Table 29: 6 dB Bandwidth**

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5825.000000	17.650000	0.500000	---	5816.125000	5833.775000	0.0	<b>PASS</b>



**Figure 11: 6 dB Bandwidth**

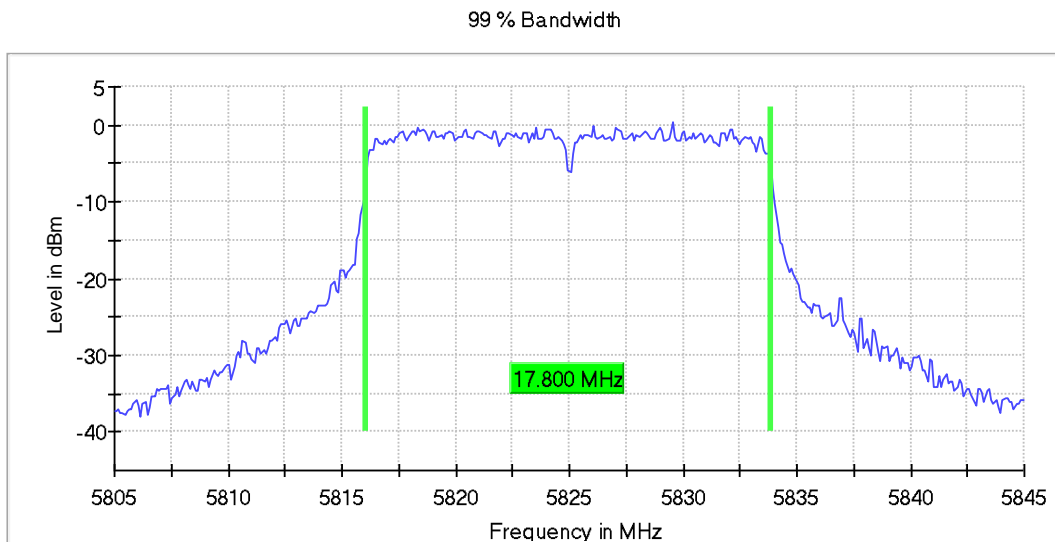


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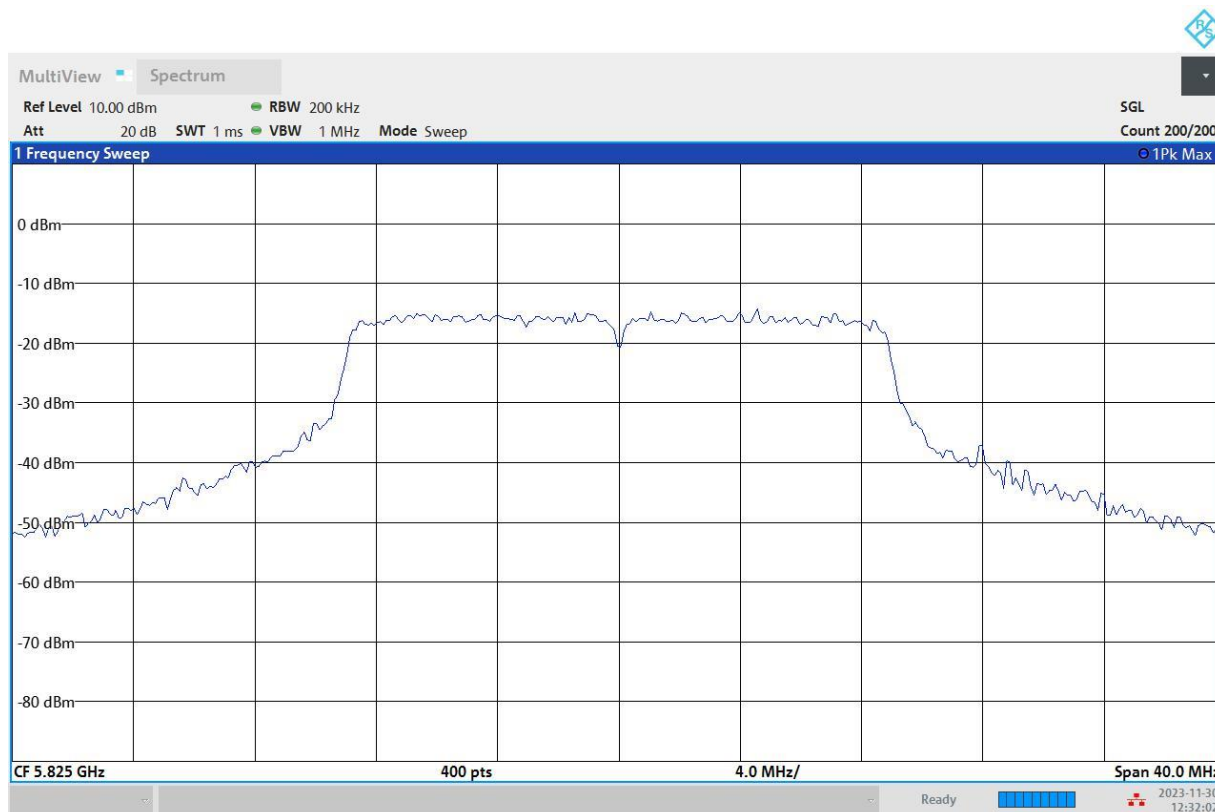
**Occupied Channel Bandwidth 99% (5825 MHz, 20 MHz, 24.000 dBm)**

**Table 30: 99 % Bandwidth**

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	
5825.000000	17.800000	---	---	5816.050000	5833.850000	<b>PASS</b>



**Figure 12: 99 % Bandwidth**



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## Tx Spurious Emission (5825 MHz, 20 MHz, 24.000 dBm)

Table 31: Result

DUT Frequency	Result
MHz	
5825.000000	PASS

Table 32: Final measurements

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

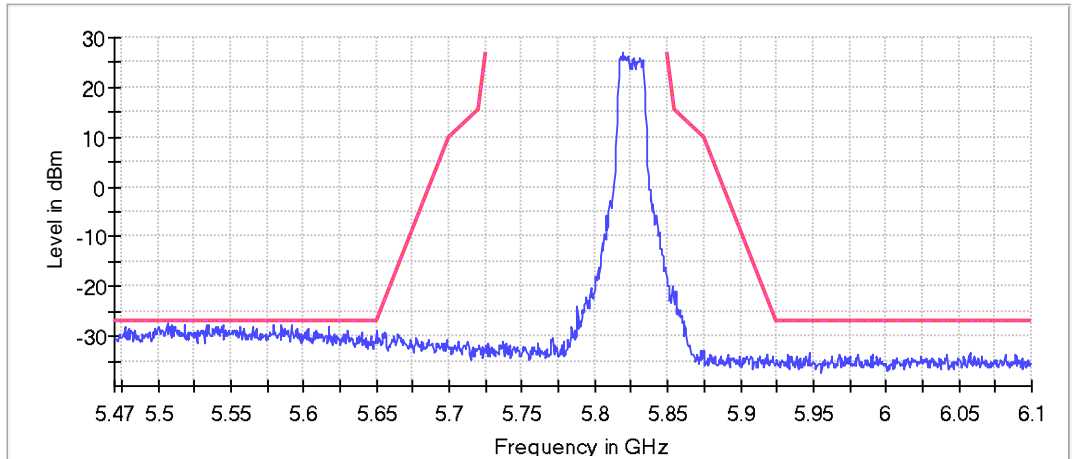
Table 33: Pre Measurements

Frequency	Level	Margin	Limit
MHz	dBm	dB	dBm
5506.250000	-27.4	0.4	-27.0
5518.250000	-27.6	0.6	-27.0
5534.250000	-27.6	0.6	-27.0
5591.750000	-27.7	0.7	-27.0
5506.750000	-27.7	0.7	-27.0
5579.250000	-27.7	0.7	-27.0
5509.750000	-27.8	0.8	-27.0
5544.750000	-27.8	0.8	-27.0
5584.750000	-27.9	0.9	-27.0
5533.250000	-27.9	0.9	-27.0
5564.750000	-27.9	0.9	-27.0
5539.250000	-27.9	0.9	-27.0
5556.250000	-28.0	1.0	-27.0
5543.750000	-28.0	1.0	-27.0
5477.250000	-28.1	1.1	-27.0

Table 34: Measurement Settings

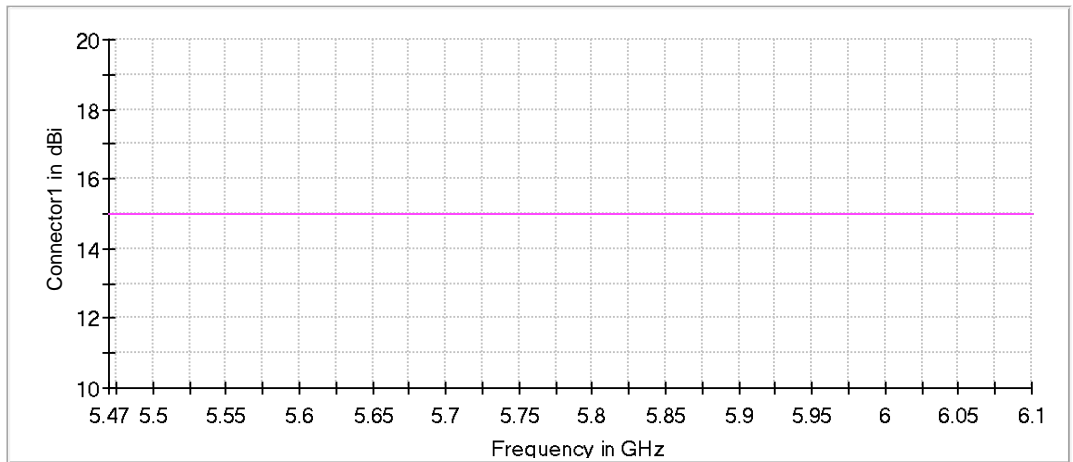
Start Frequency	Stop Frequency	Pre Measurement	Final Measurement
MHz	MHz		
5470.000000	6100.000000	2	2

Spurious

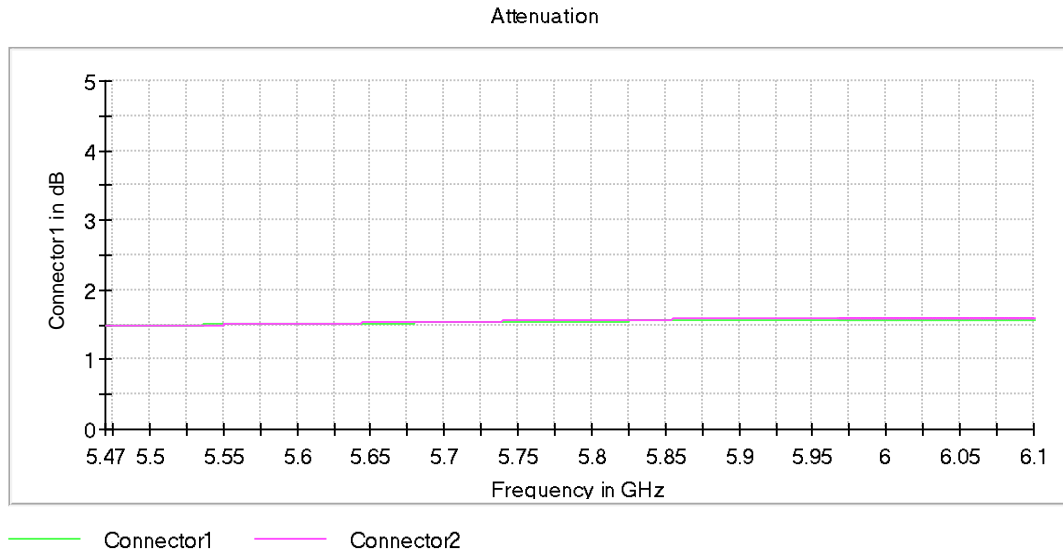


— Limit    - - - - Threshold    × Critical    × Final Critical    — Sum Level

Gain



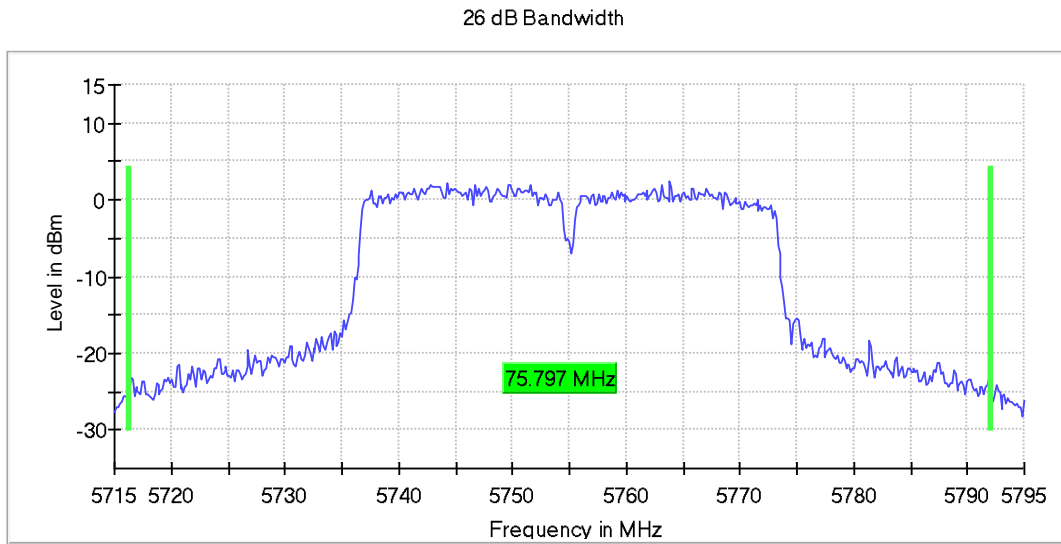
— Connector1    — Connector2



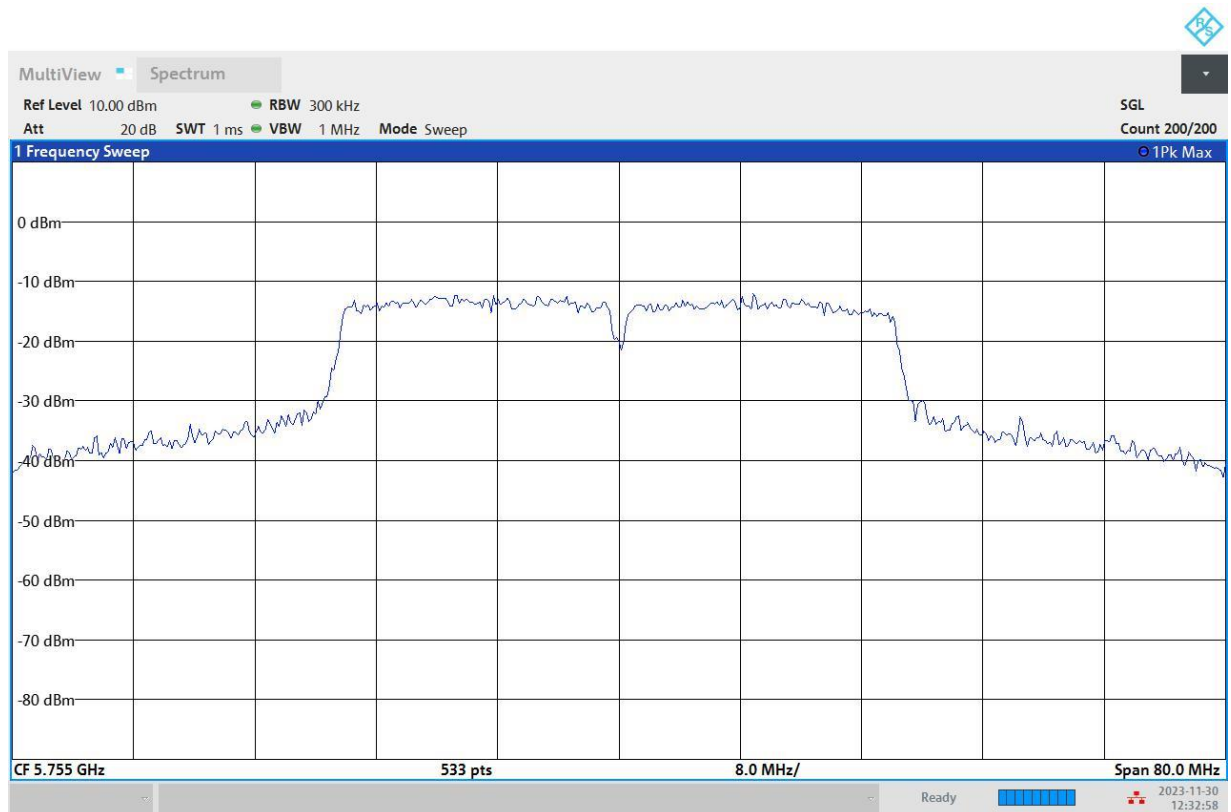
**Emission Bandwidth 26 dB (5755 MHz, 40 MHz, 24.000 dBm)**

Table 35: 26 dB Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5755.000000	75.797374	---	---	5716.275797	5792.073171	2.3	<b>PASS</b>



**Figure 13: 26 dB Bandwidth**



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**Power Spectral Density (5755 MHz, 40 MHz, 24.000 dBm)**

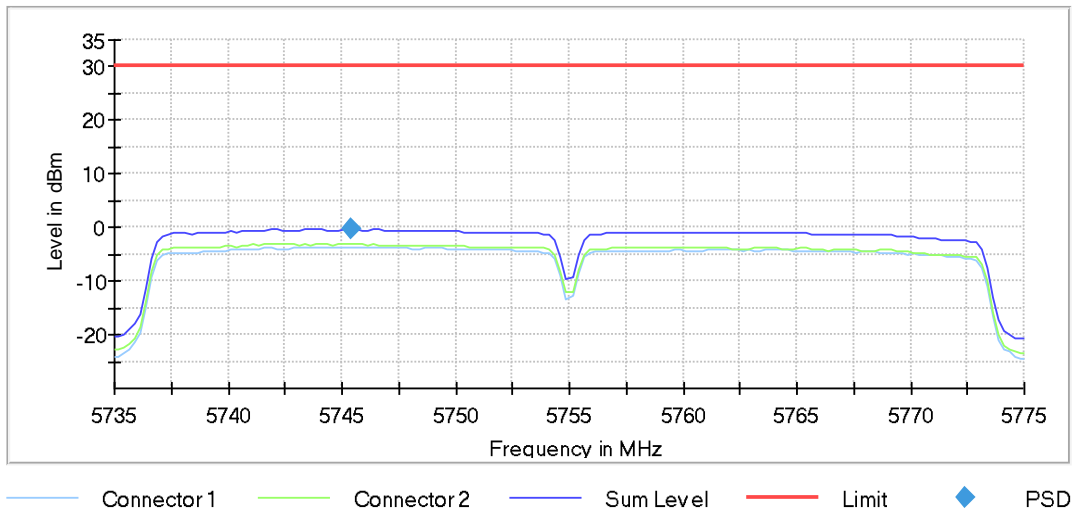
**Table 36: Result**

DUT Frequency MHz	Frequency MHz	PSD dBm	Limit Max dBm	Result
5755.000000	5745.375000	-0.354	30.0	<b>PASS</b>

**Table 37: Ports**

Port	State
1	used
2	used

Power Spectral Density

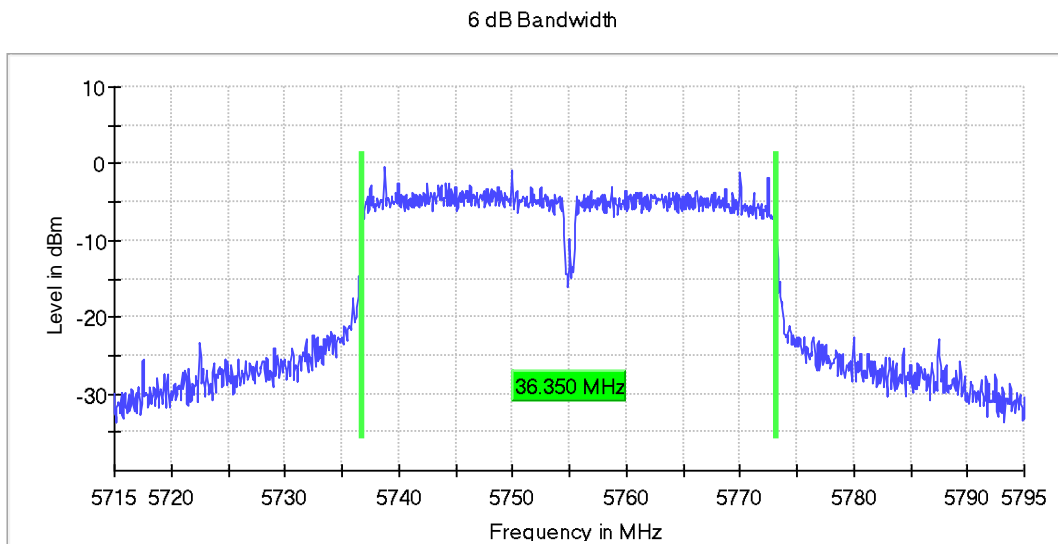


**Figure 14: Power Spectral Density**

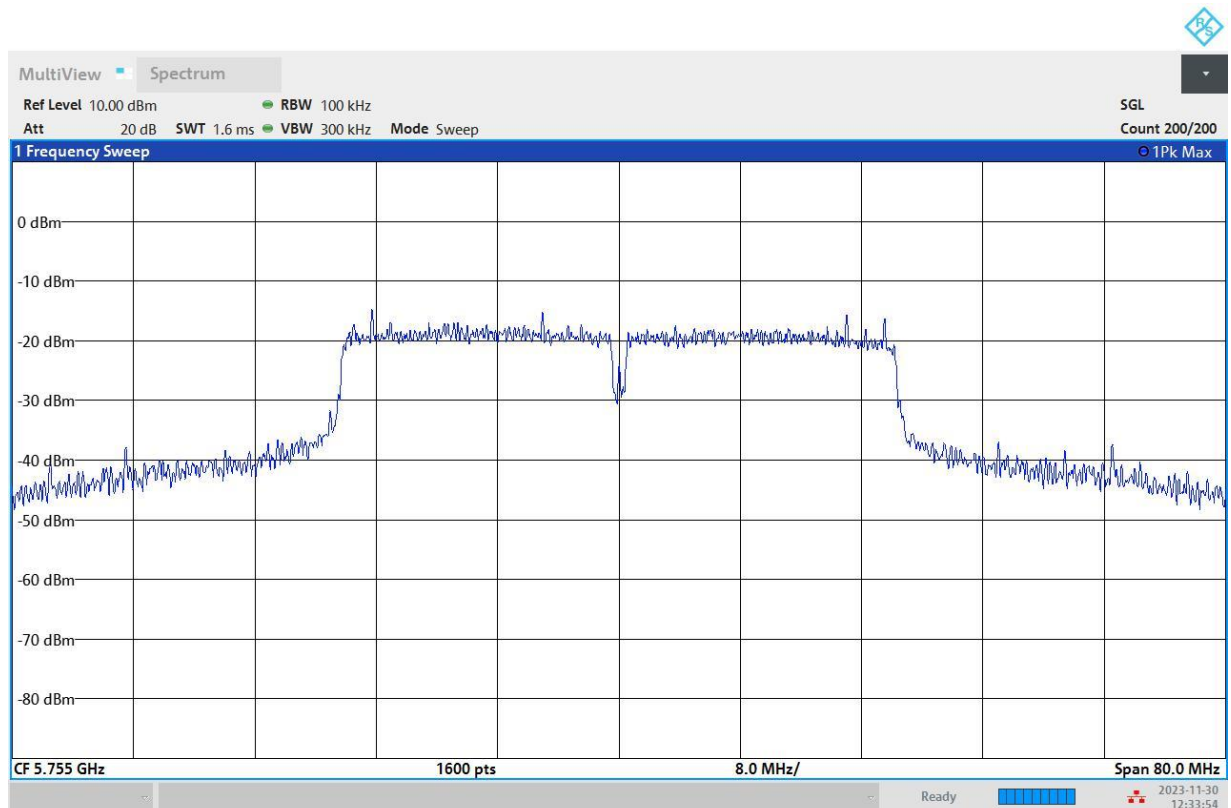
**Minimum Emission Bandwidth 6 dB (5755 MHz, 40 MHz, 24.000 dBm)**

**Table 38: 6 dB Bandwidth**

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5755.000000	36.350000	0.500000	---	5736.825000	5773.175000	-0.3	<b>PASS</b>



**Figure 15: 6 dB Bandwidth**

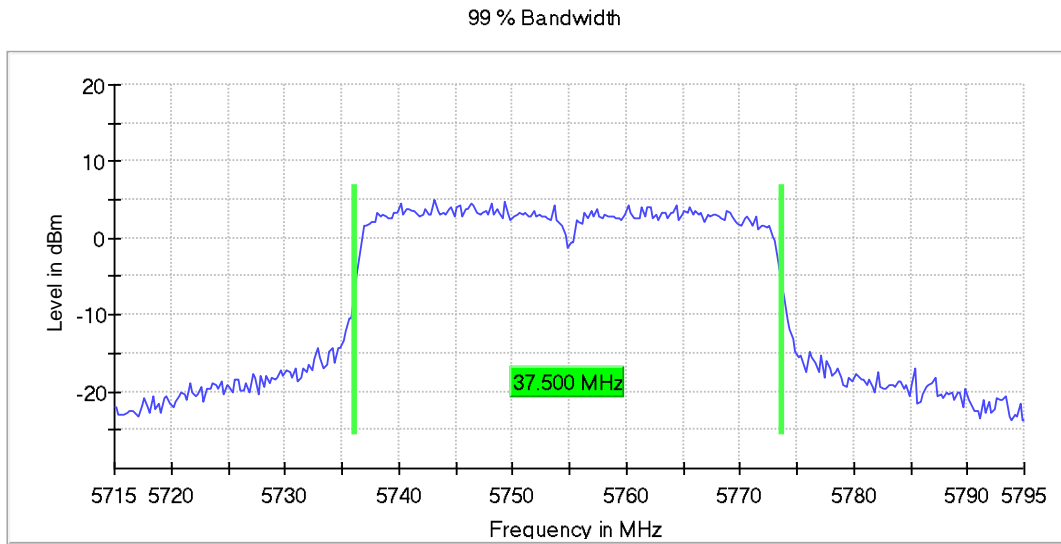


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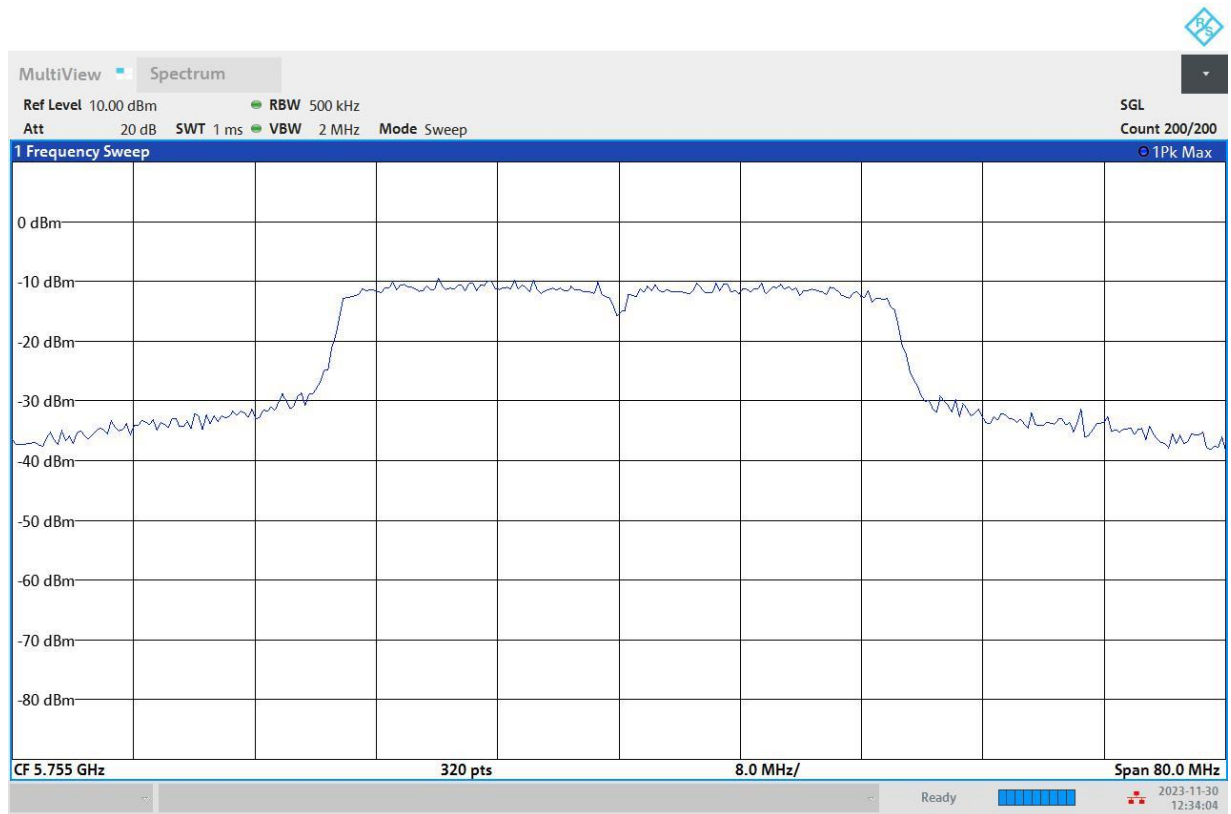
**Occupied Channel Bandwidth 99% (5755 MHz, 40 MHz, 24.000 dBm)**

**Table 39: 99 % Bandwidth**

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	
5755.000000	37.500000	---	---	5736.125000	5773.625000	<b>PASS</b>



**Figure 16: 99 % Bandwidth**



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**Tx Spurious Emission (5755 MHz, 40 MHz, 24.000 dBm)**
**Table 40: Result**

DUT Frequency	Result
MHz	
5755.000000	<b>PASS</b>

**Table 41: Final measurements**

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

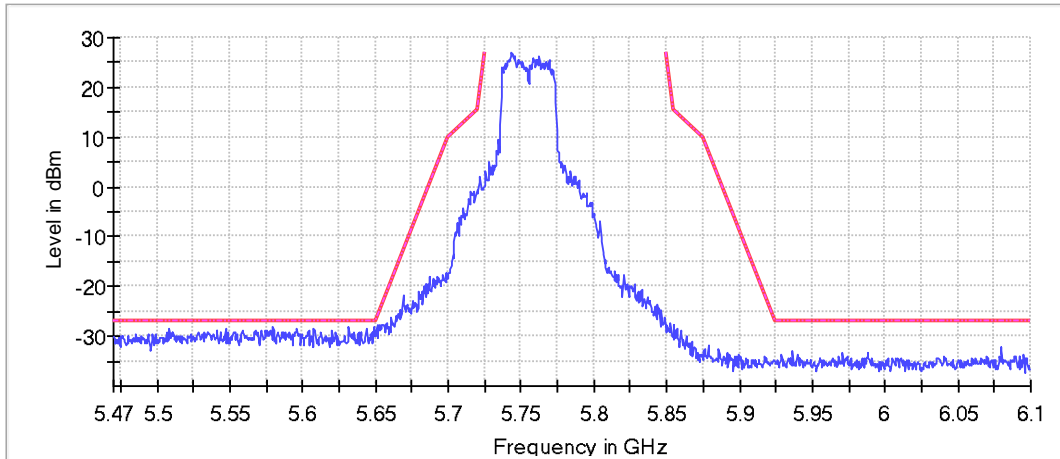
**Table 42: Pre Measurements**

Frequency	Level	Margin	Limit
MHz	dBm	dB	dBm
5648.750000	-28.0	1.0	-27.0
5631.750000	-28.0	1.0	-27.0
5579.750000	-28.3	1.3	-27.0
5547.250000	-28.3	1.3	-27.0
5508.250000	-28.4	1.4	-27.0
5607.750000	-28.4	1.4	-27.0
5643.750000	-28.5	1.5	-27.0
5596.250000	-28.6	1.6	-27.0
5604.250000	-28.7	1.7	-27.0
5644.250000	-28.7	1.7	-27.0
5651.250000	-27.8	1.8	-26.1
5608.250000	-28.8	1.8	-27.0
5631.250000	-28.8	1.8	-27.0
5567.250000	-28.9	1.9	-27.0
5580.250000	-28.9	1.9	-27.0

**Table 43: Measurement Settings**

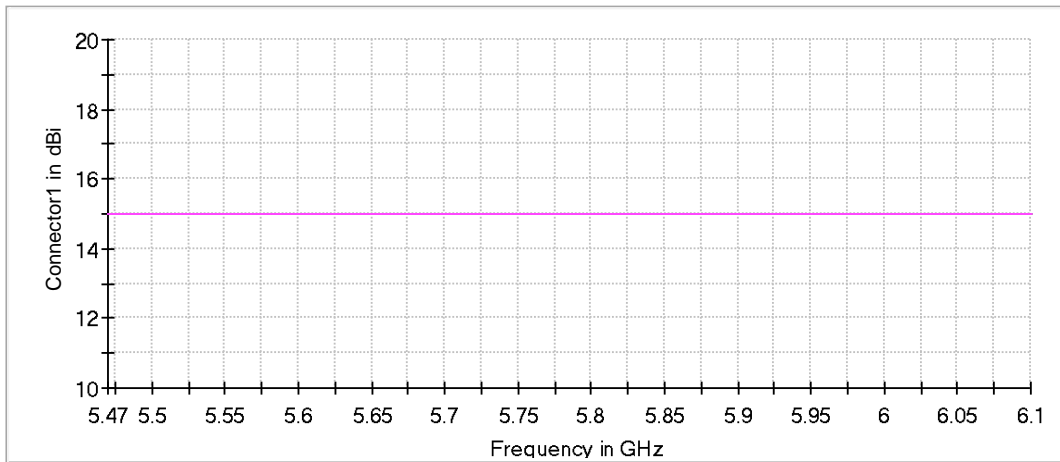
Start Frequency	Stop Frequency	Pre Measurement	Final Measurement
MHz	MHz		
5470.000000	6100.000000	2	2

Spurious

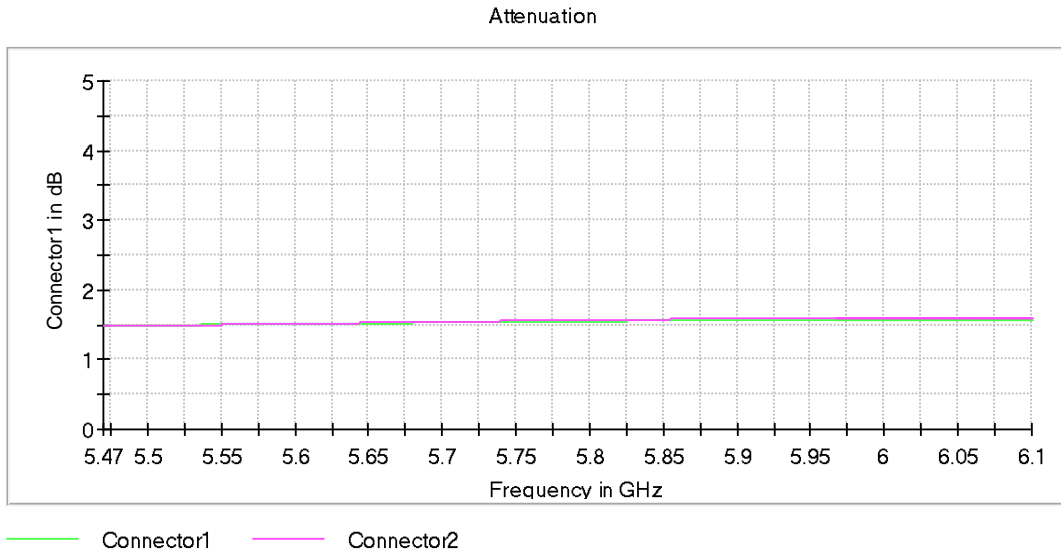


— Limit    — Threshold    × Critical    × Final Critical    — Sum Level

Gain



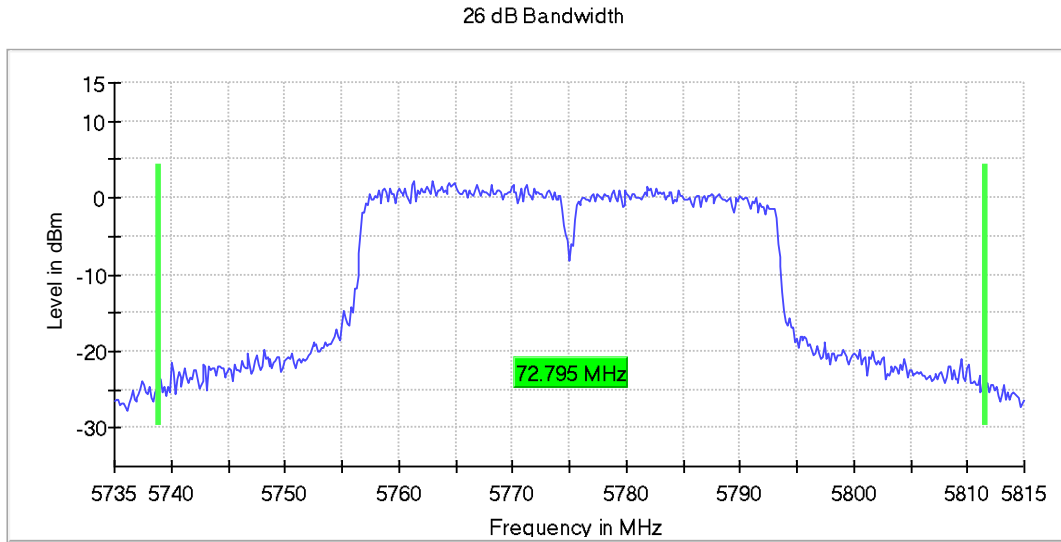
— Connector1    — Connector2



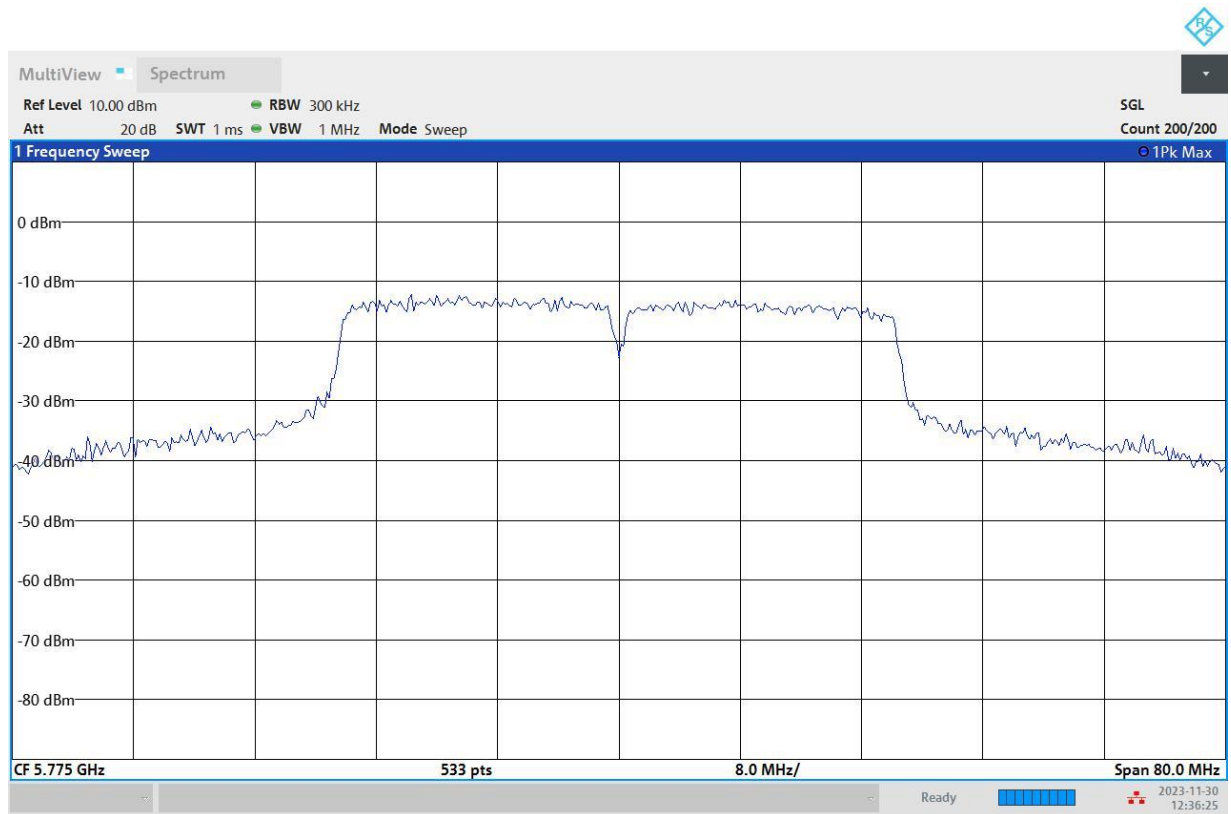
**Emission Bandwidth 26 dB (5775 MHz, 40 MHz, 24.000 dBm)**

Table 44: 26 dB Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5775.000000	72.795497	---	---	5738.827392	5811.622889	2.3	<b>PASS</b>



**Figure 17: 26 dB Bandwidth**



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**Power Spectral Density (5775 MHz, 40 MHz, 24.000 dBm)**

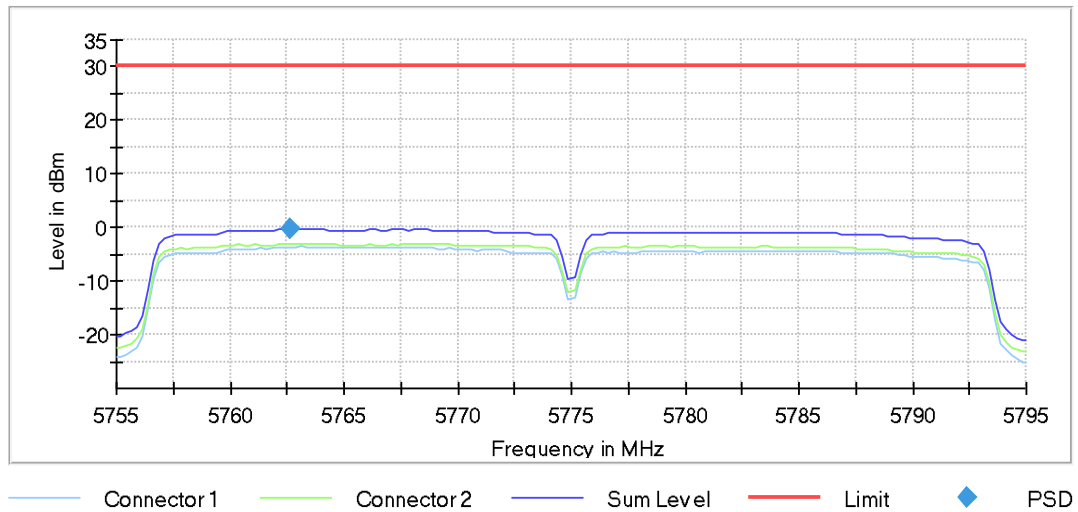
**Table 45: Result**

DUT Frequency MHz	Frequency MHz	PSD dBm	Limit Max dBm	Result
5775.000000	5762.625000	-0.321	30.0	<b>PASS</b>

**Table 46: Ports**

Port	State
1	used
2	used

**Power Spectral Density**



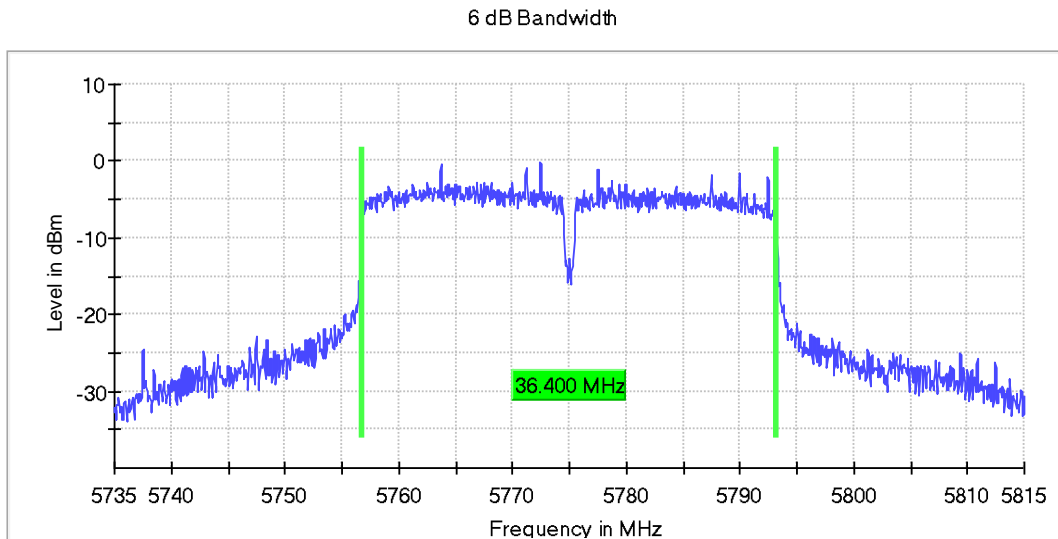
**Figure 18: Power Spectral Density**

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

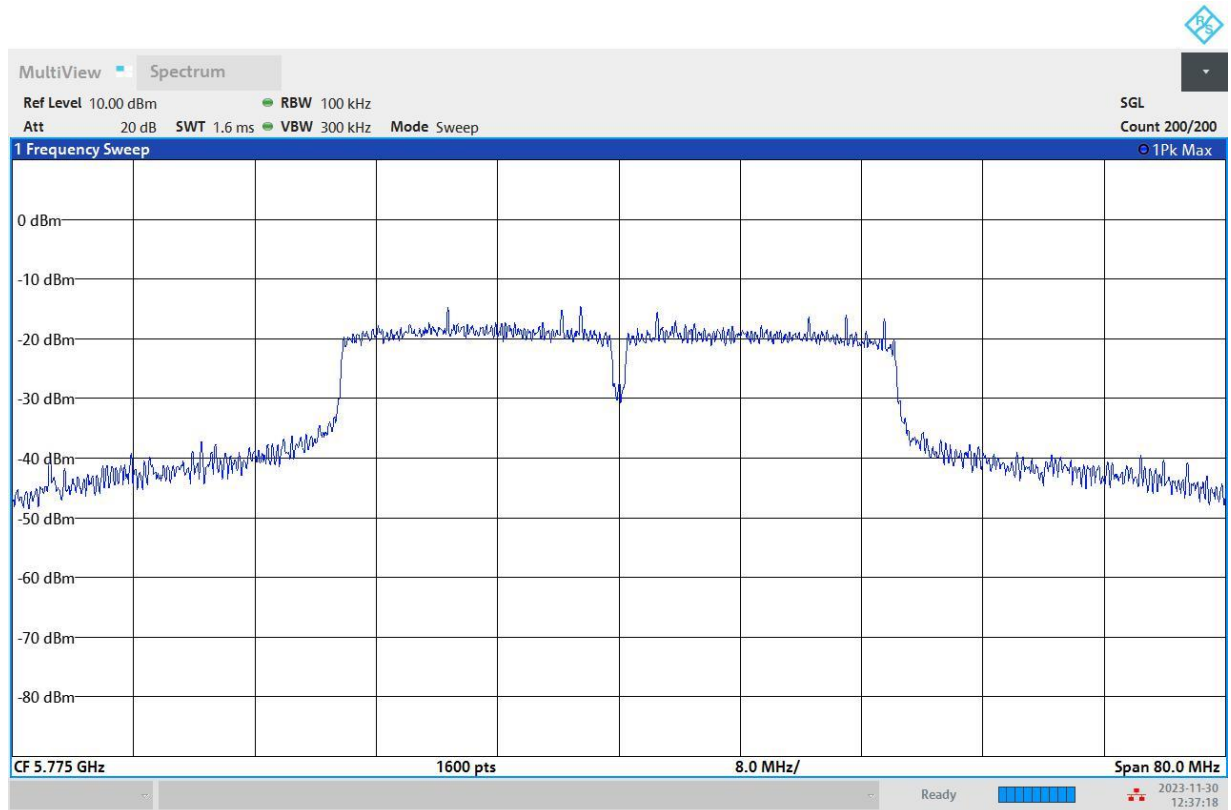
Customized settings.

**Table 47: 6 dB Bandwidth**

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5775.000000	36.400000	0.500000	---	5756.775000	5793.175000	-0.1	<b>PASS</b>



**Figure 19: 6 dB Bandwidth**

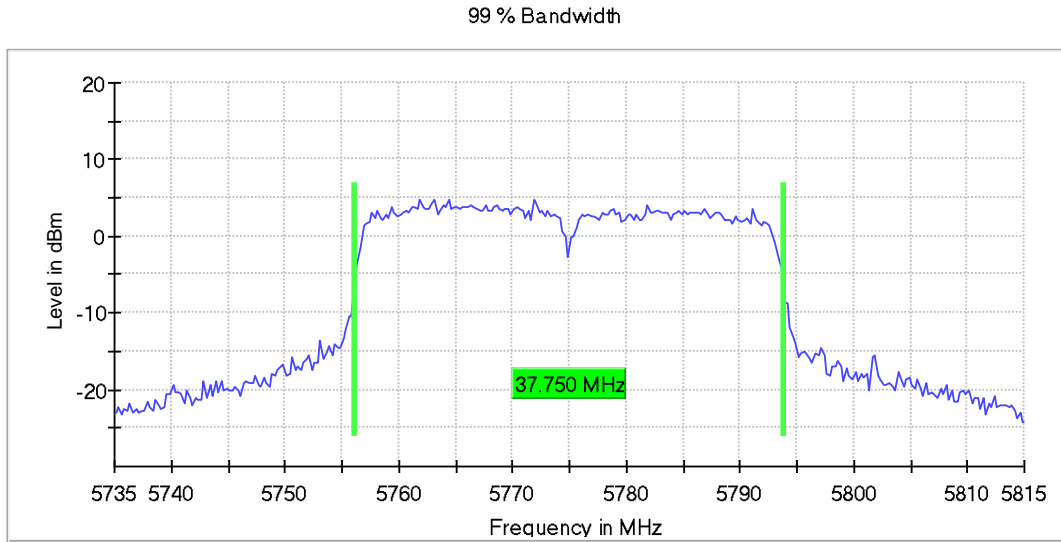


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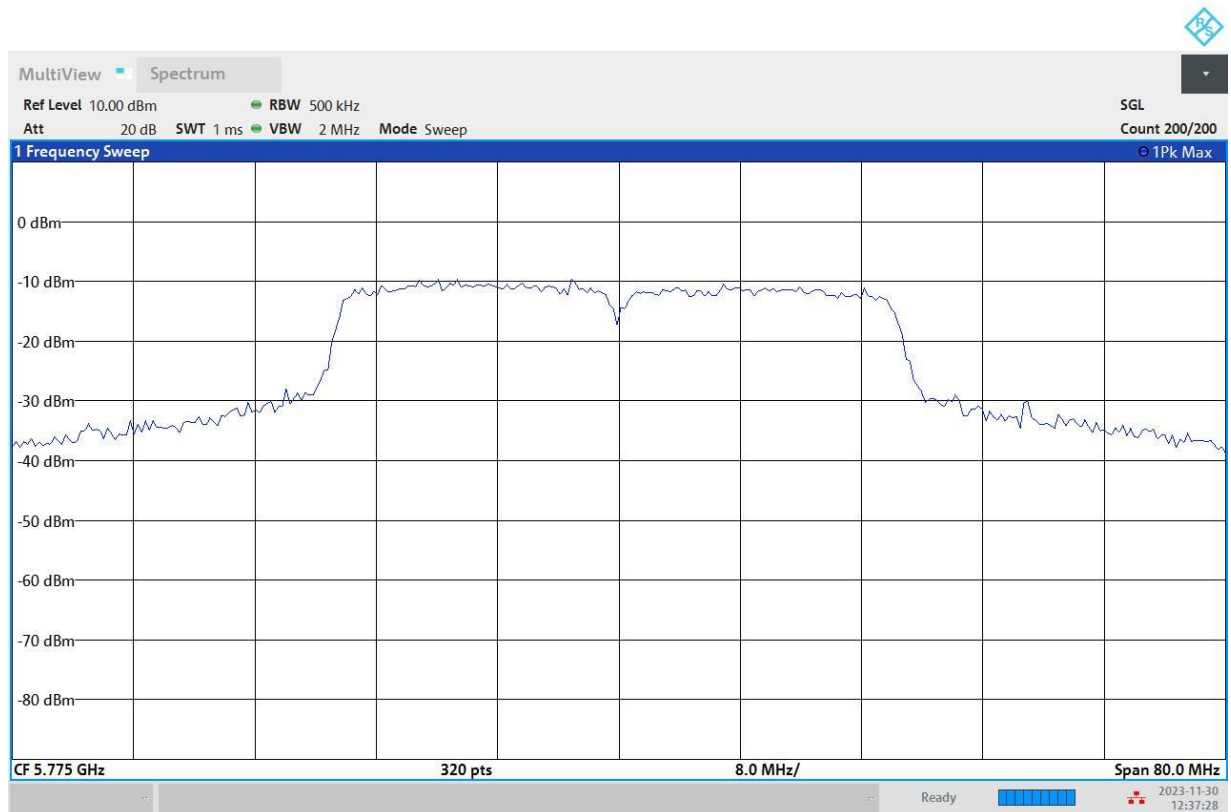
**Occupied Channel Bandwidth 99% (5775 MHz, 40 MHz, 24.000 dBm)**

**Table 48: 99 % Bandwidth**

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	
5775.000000	37.750000	---	---	5756.125000	5793.875000	<b>PASS</b>



**Figure 20: 99 % Bandwidth**



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## Tx Spurious Emission (5775 MHz, 40 MHz, 24.000 dBm)

Table 49: Result

DUT Frequency	Result
MHz	
5775.000000	PASS

Table 50: Final measurements

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

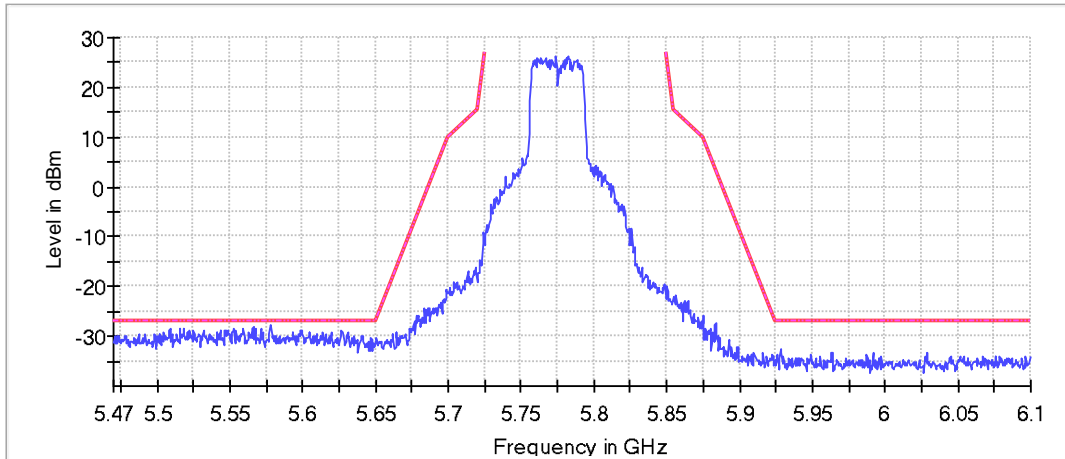
Table 51: Pre Measurements

Frequency	Level	Margin	Limit
MHz	dBm	dB	dBm
5578.250000	-27.8	0.8	-27.0
5577.750000	-27.8	0.8	-27.0
5566.250000	-28.1	1.1	-27.0
5552.750000	-28.3	1.3	-27.0
5518.250000	-28.3	1.3	-27.0
5565.750000	-28.4	1.4	-27.0
5559.250000	-28.4	1.4	-27.0
5571.250000	-28.5	1.5	-27.0
5567.250000	-28.5	1.5	-27.0
5515.750000	-28.6	1.6	-27.0
5508.750000	-28.6	1.6	-27.0
5543.750000	-28.6	1.6	-27.0
5547.250000	-28.7	1.7	-27.0
5522.250000	-28.7	1.7	-27.0
5598.750000	-28.8	1.8	-27.0

Table 52: Measurement Settings

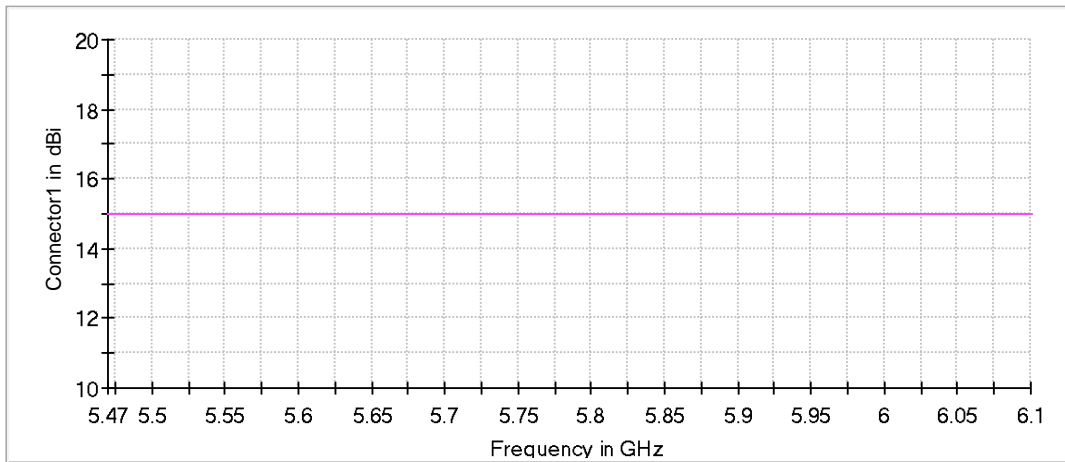
Start Frequency	Stop Frequency	Pre Measurement	Final Measurement
MHz	MHz		
5470.000000	6100.000000	2	2

Spurious

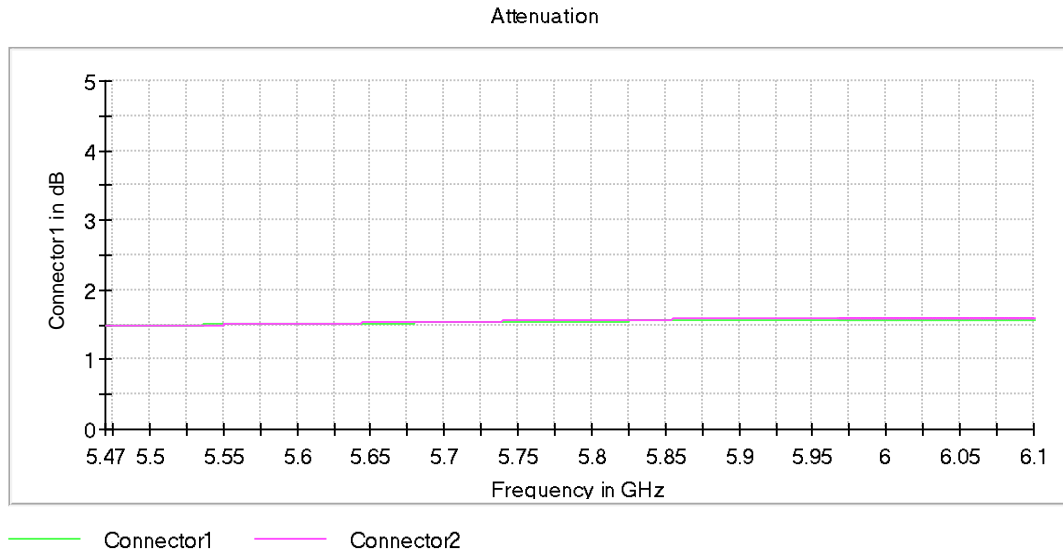


— Limit    — Threshold    × Critical    × Final Critical    — Sum Level

Gain



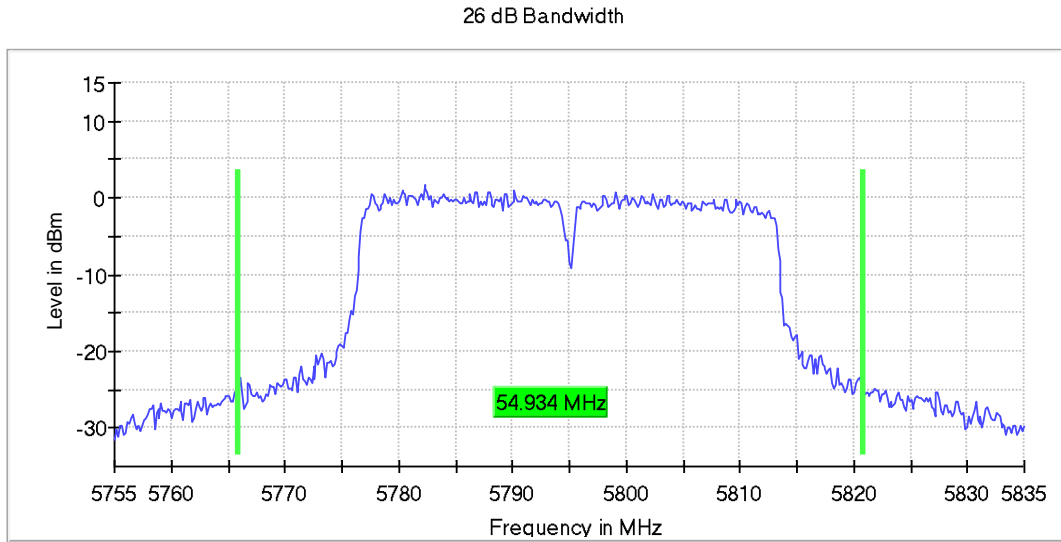
— Connector1    — Connector2



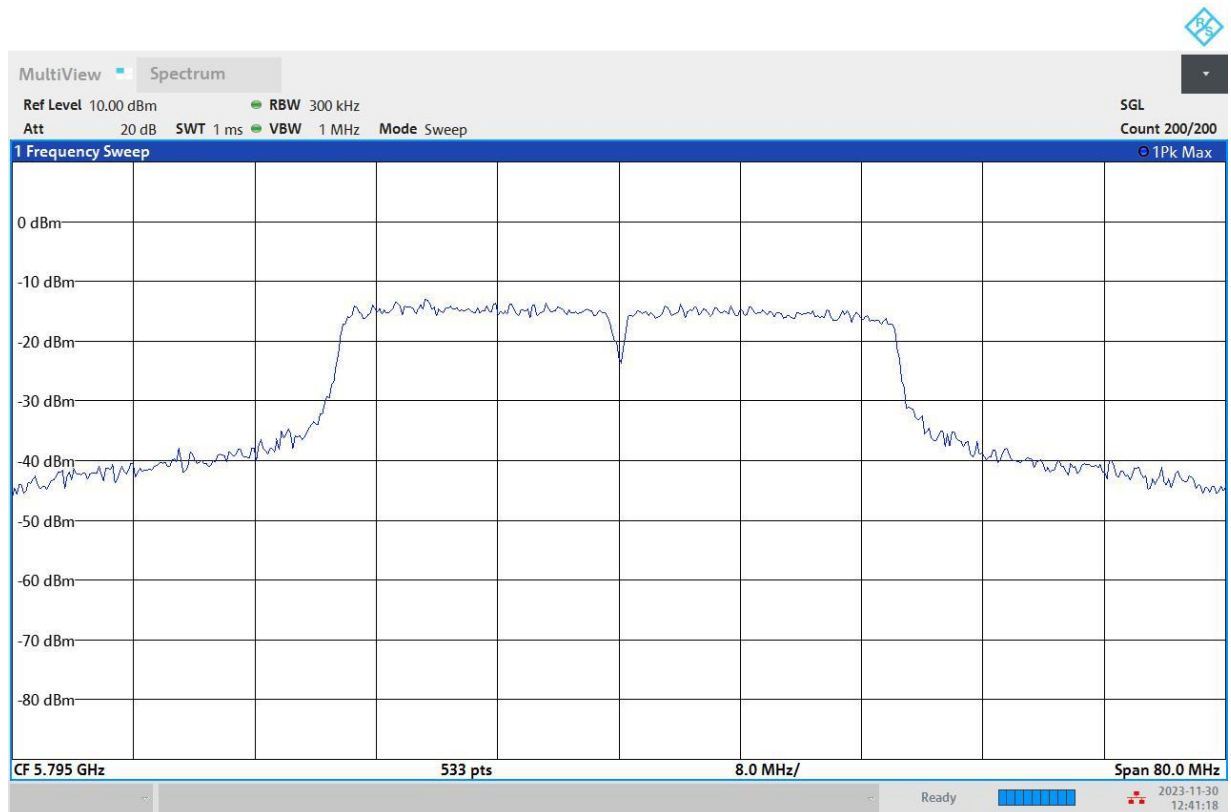
**Emission Bandwidth 26 dB (5795 MHz, 40 MHz, 24.000 dBm)**

Table 53: 26 dB Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5795.000000	54.934334	---	---	5765.881801	5820.816135	1.6	<b>PASS</b>



**Figure 21: 26 dB Bandwidth**



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**Power Spectral Density (5795 MHz, 40 MHz, 24.000 dBm)**

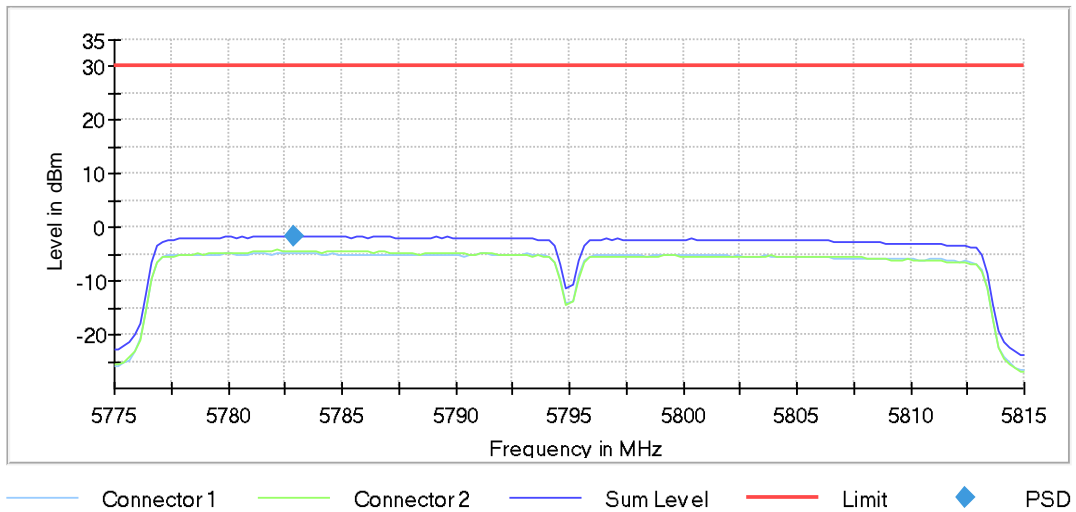
**Table 54: Result**

DUT Frequency MHz	Frequency MHz	PSD dBm	Limit Max dBm	Result
5795.000000	5782.875000	-1.489	30.0	<b>PASS</b>

**Table 55: Ports**

Port	State
1	used
2	used

**Power Spectral Density**

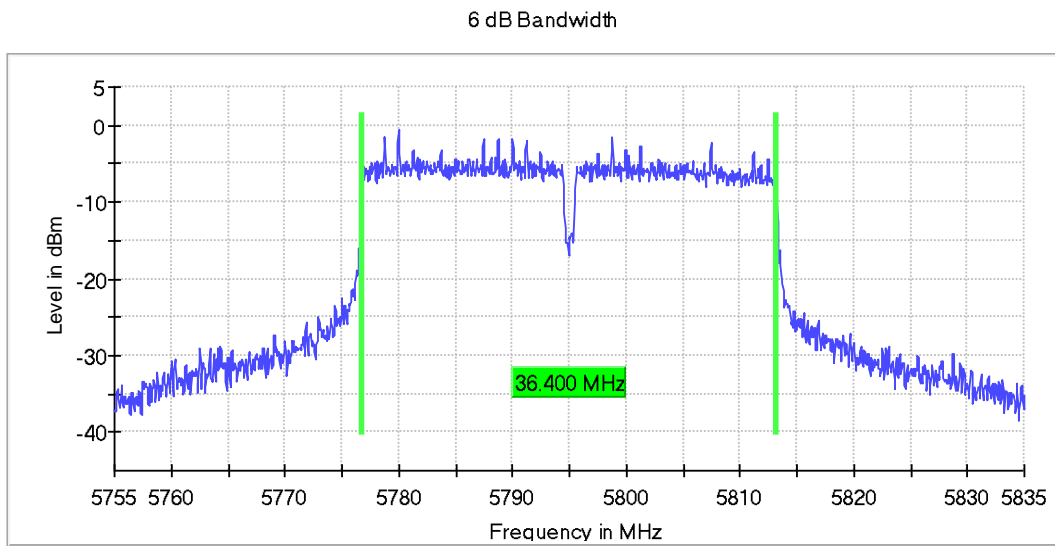


**Figure 22: Power Spectral Density**

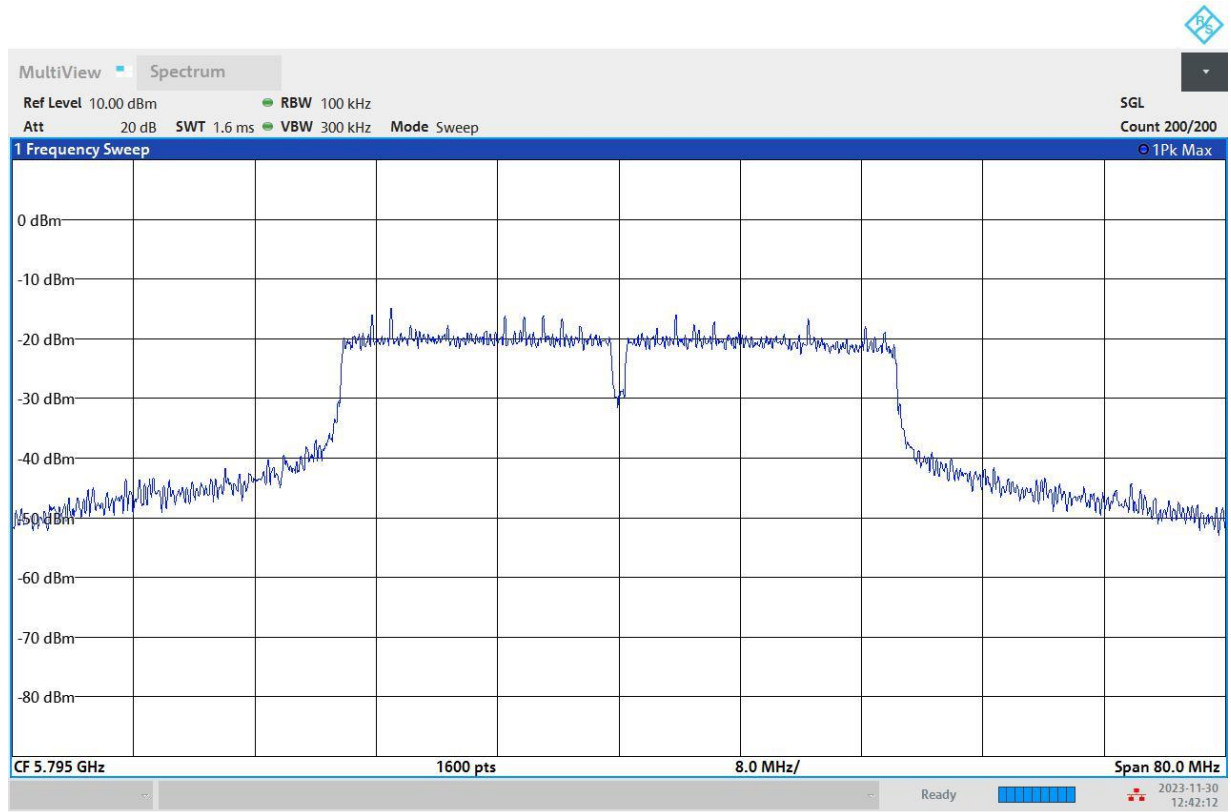
**Minimum Emission Bandwidth 6 dB (5795 MHz, 40 MHz, 24.000 dBm)**

**Table 56: 6 dB Bandwidth**

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5795.000000	36.400000	0.500000	---	5776.775000	5813.175000	-0.5	<b>PASS</b>



**Figure 23: 6 dB Bandwidth**

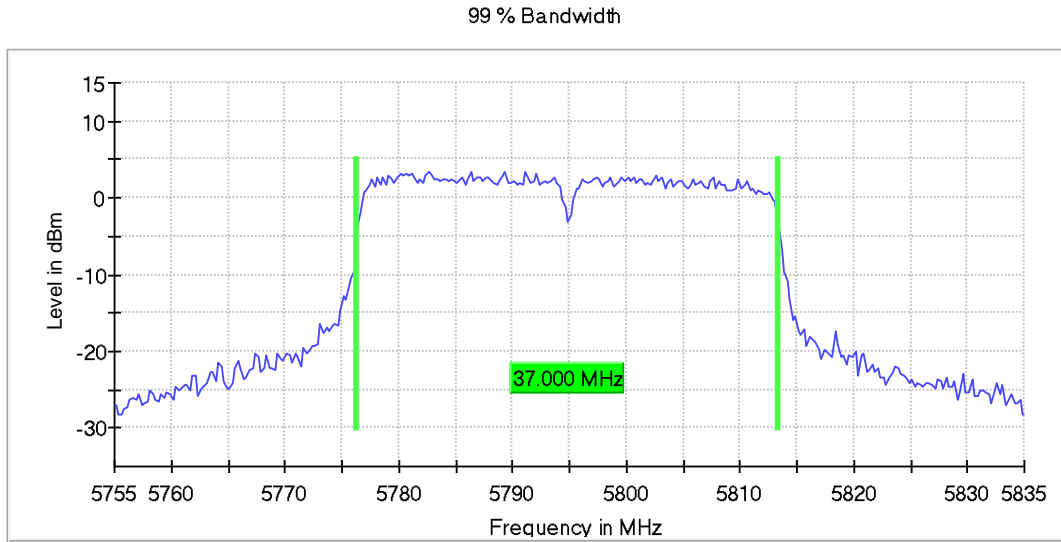


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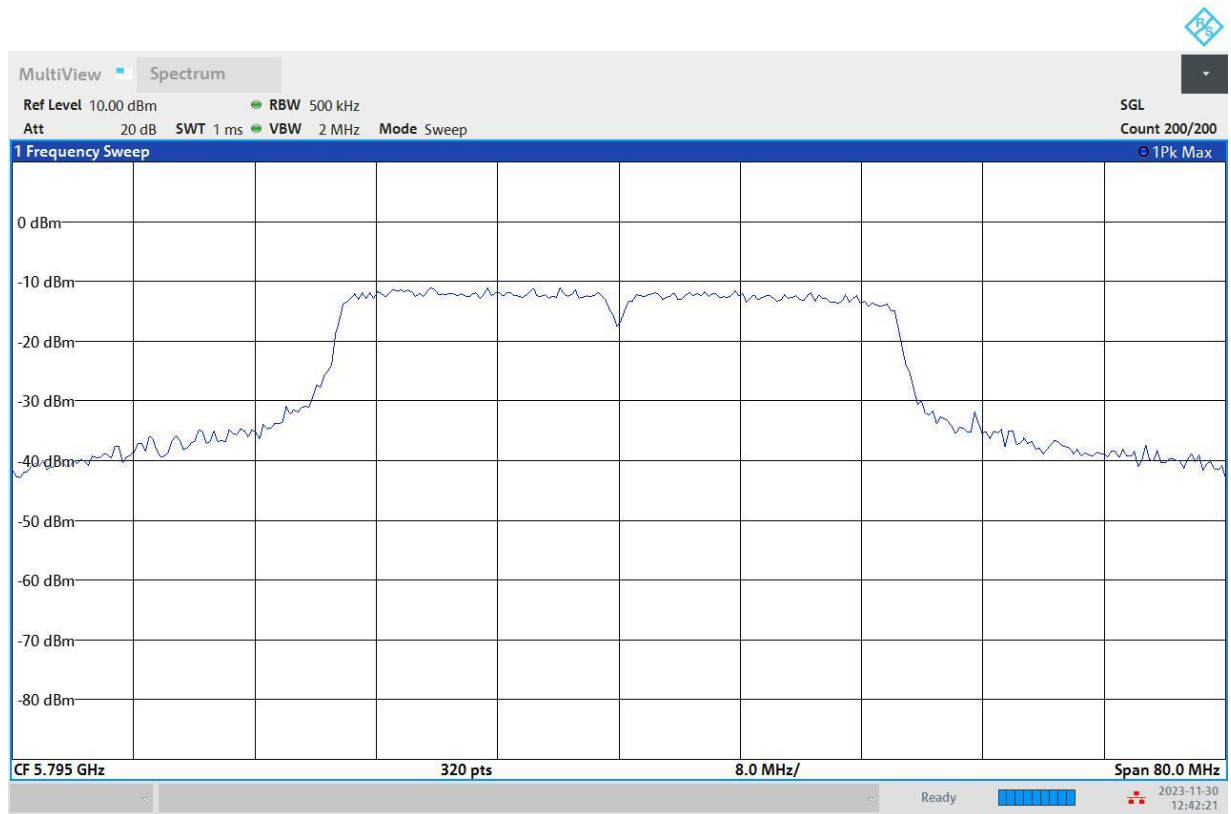
**Occupied Channel Bandwidth 99% (5795 MHz, 40 MHz, 24.000 dBm)**

Table 57: 99 % Bandwidth

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	
5795.000000	37.000000	---	---	5776.375000	5813.375000	PASS



**Figure 24: 99 % Bandwidth**



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**Tx Spurious Emission (5795 MHz, 40 MHz, 24.000 dBm)**
**Table 58: Result**

DUT Frequency	Result
MHz	
5795.000000	<b>PASS</b>

**Table 59: Final measurements**

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

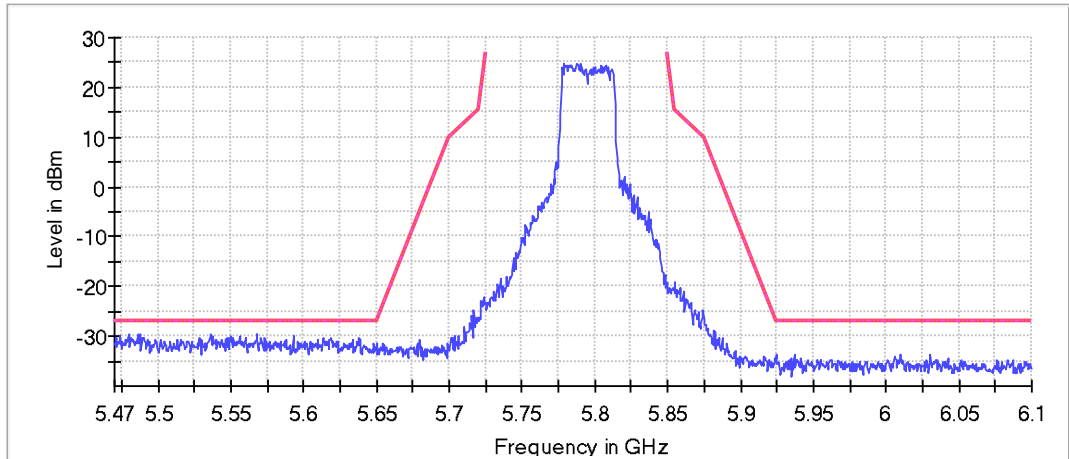
**Table 60: Pre Measurements**

Frequency	Level	Margin	Limit
MHz	dBm	dB	dBm
5486.250000	-29.5	2.5	-27.0
5479.750000	-29.6	2.6	-27.0
5536.250000	-29.6	2.6	-27.0
5567.750000	-29.6	2.6	-27.0
5487.250000	-29.7	2.7	-27.0
5480.250000	-29.7	2.7	-27.0
5555.750000	-29.8	2.8	-27.0
5537.750000	-29.9	2.9	-27.0
5550.250000	-30.0	3.0	-27.0
5473.750000	-30.0	3.0	-27.0
5535.750000	-30.0	3.0	-27.0
5474.250000	-30.0	3.0	-27.0
5593.250000	-30.1	3.1	-27.0
5471.250000	-30.1	3.1	-27.0
5592.750000	-30.2	3.2	-27.0

**Table 61: Measurement Settings**

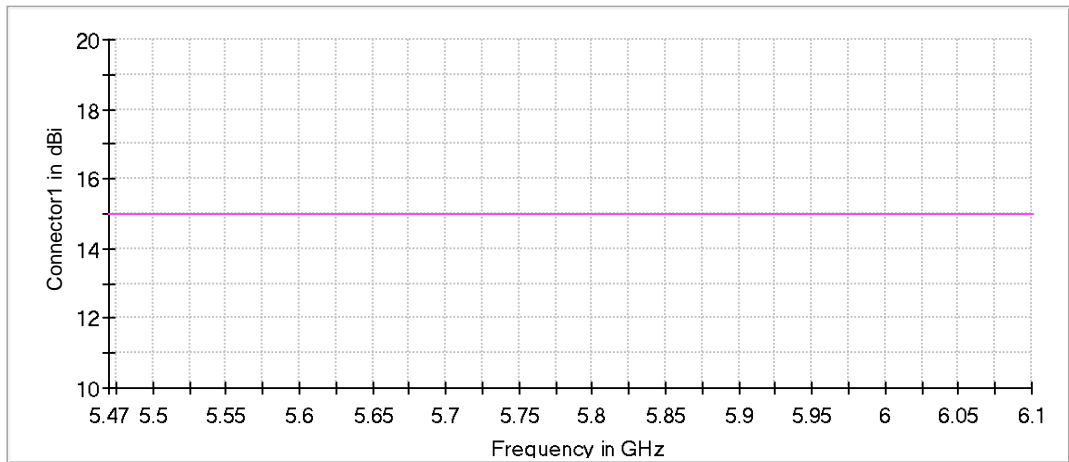
Start Frequency	Stop Frequency	Pre Measurement	Final Measurement
MHz	MHz		
5470.000000	6100.000000	2	2

Spurious



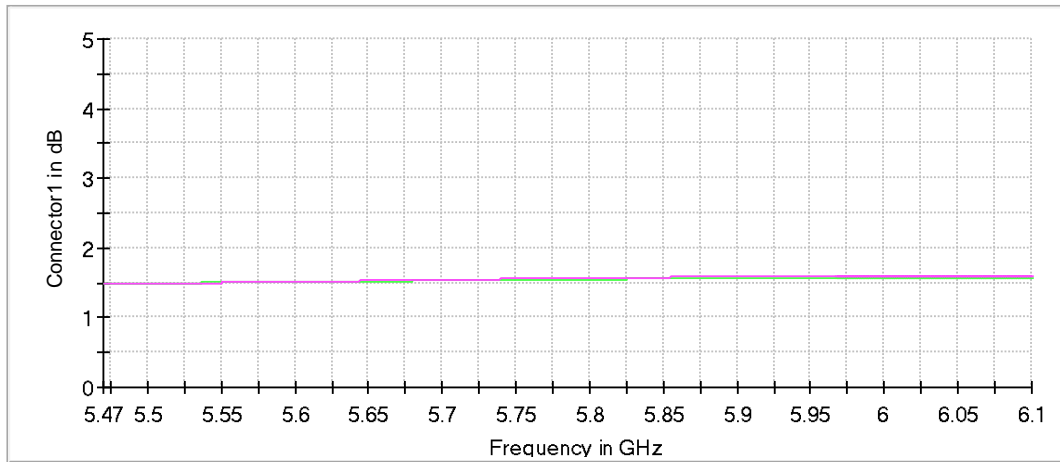
— Limit    — Threshold    × Critical    × Final Critical    — Sum Level

Gain



— Connector1    — Connector2

Attenuation

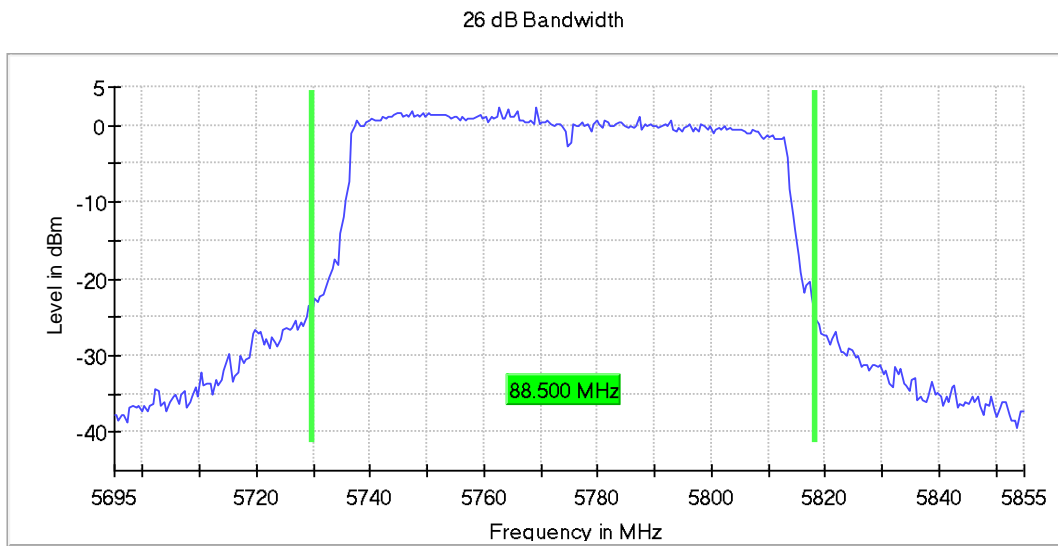


— Connector1 — Connector2

**Emission Bandwidth 26 dB (5775 MHz, 80 MHz, 24.000 dBm)**

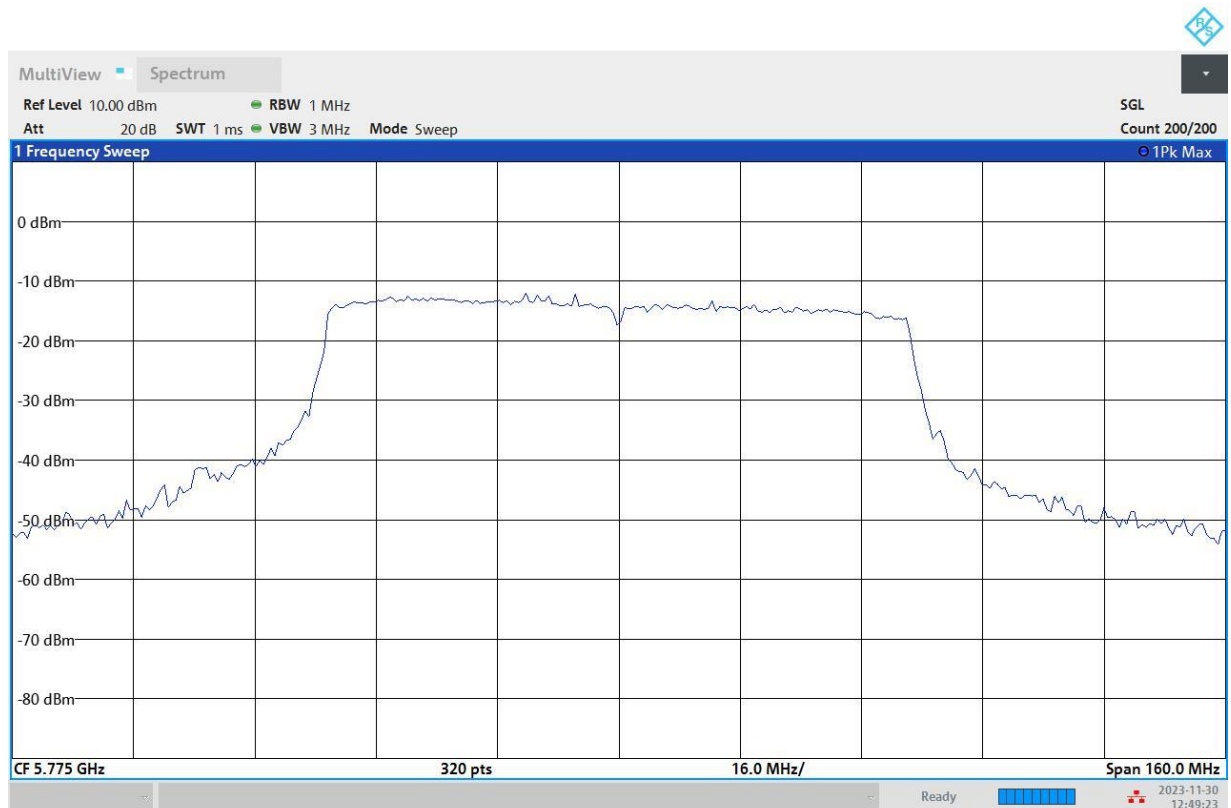
**Table 62: 26 dB Bandwidth**

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5775.000000	88.500000	---	---	5729.750000	5818.250000	2.5	<b>PASS</b>



**Figure 25: 26 dB Bandwidth**





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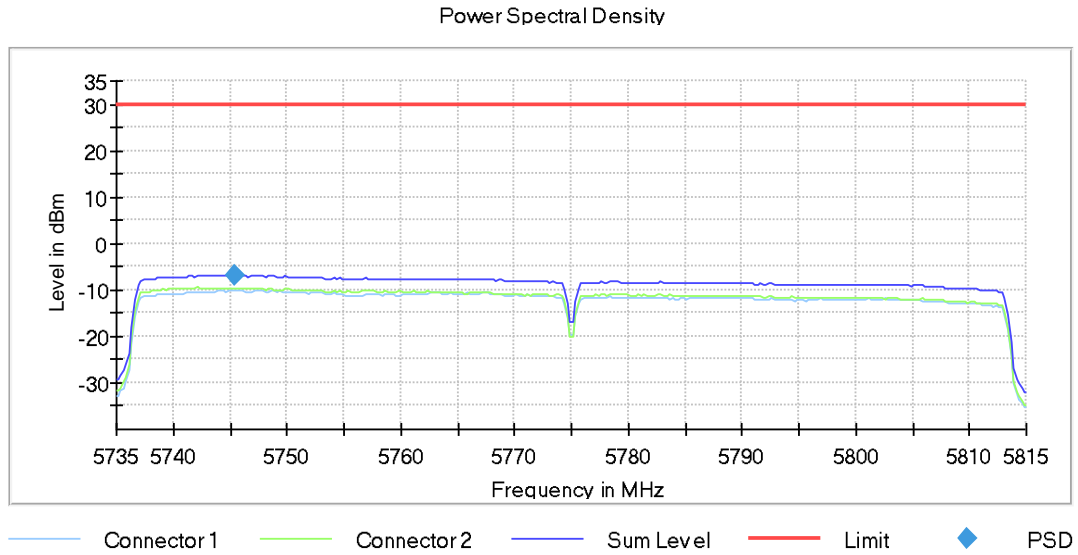
**Power Spectral Density (5775 MHz, 80 MHz, 24.000 dBm)**

Table 63: Result

DUT Frequency	Frequency	PSD	Limit Max	Result
MHz	MHz	dBm	dBm	
5775.000000	5745.375000	-6.836	30.0	<b>PASS</b>

Table 64: Ports

Port	State
1	used
2	used

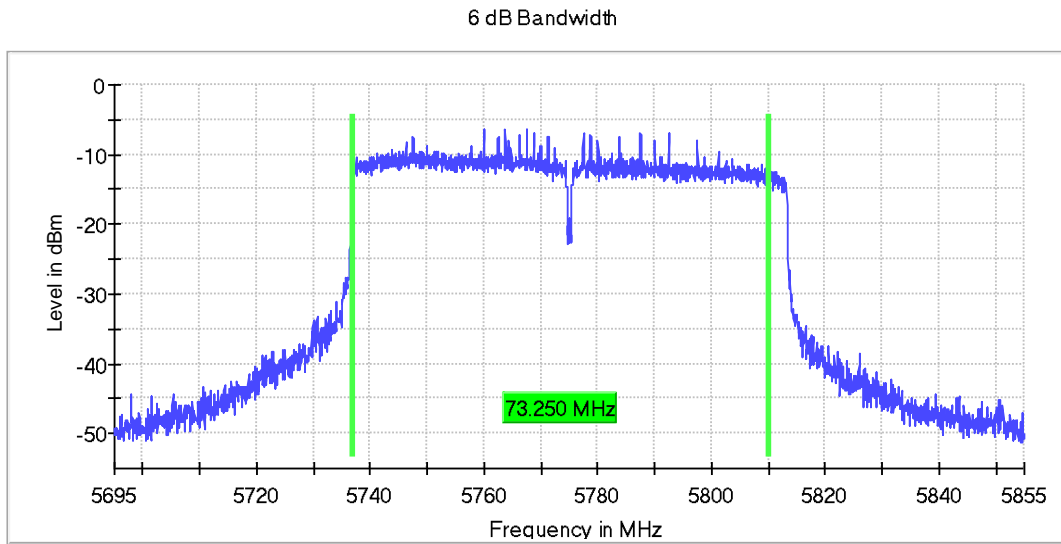


**Figure 26: Power Spectral Density**

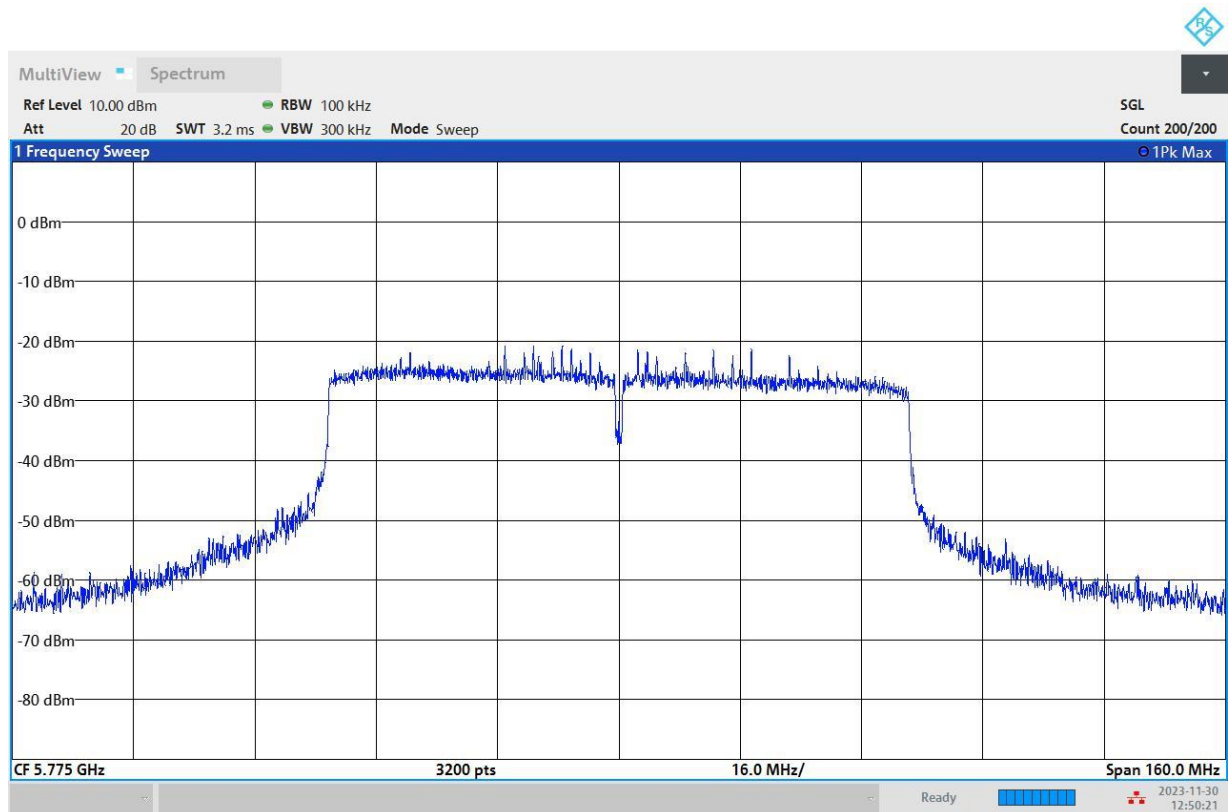
**Minimum Emission Bandwidth 6 dB (5775 MHz, 80 MHz, 24.000 dBm)**

**Table 65: 6 dB Bandwidth**

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Max Level	Result
MHz	MHz	MHz	MHz	MHz	MHz	dBm	
5775.000000	73.250000	0.500000	---	5736.825000	5810.075000	-6.3	<b>PASS</b>



**Figure 27: 6 dB Bandwidth**

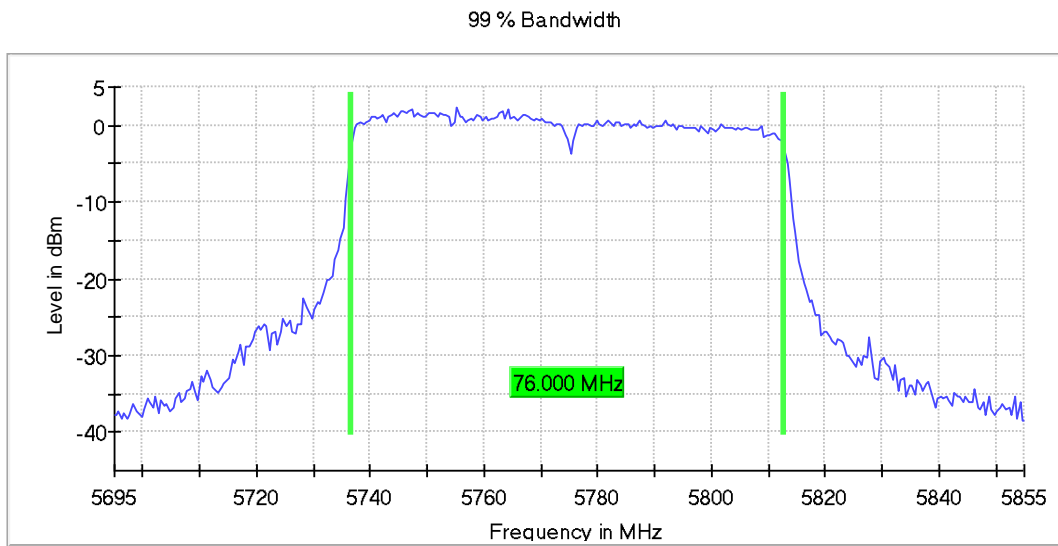


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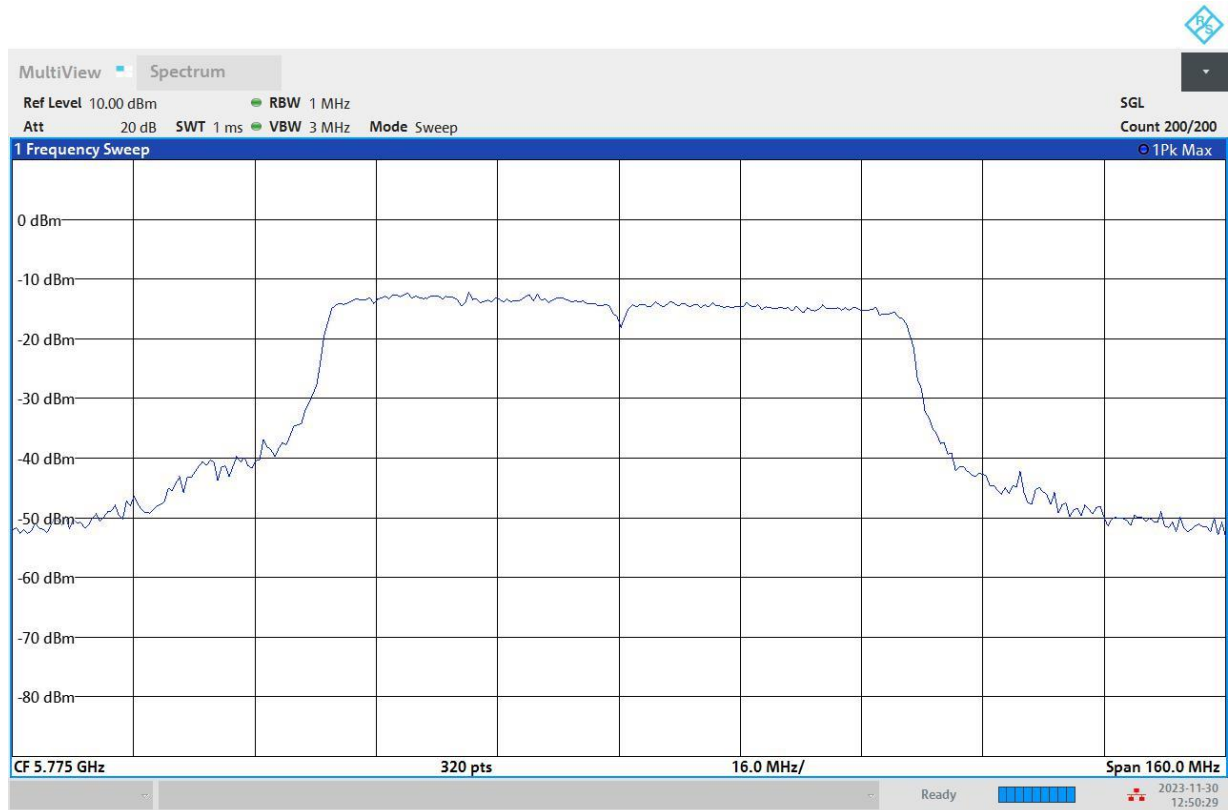
**Occupied Channel Bandwidth 99% (5775 MHz, 80 MHz, 24.000 dBm)**

**Table 66: 99 % Bandwidth**

DUT Frequency	Bandwidth	Limit Min	Limit Max	Band Edge Left	Band Edge Right	Result
MHz	MHz	MHz	MHz	MHz	MHz	
5775.000000	76.000000	---	---	5736.750000	5812.750000	<b>PASS</b>



**Figure 28: 99 % Bandwidth**



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### Tx Spurious Emission (5775 MHz, 80 MHz, 24.000 dBm)

Table 67: Result

DUT Frequency	Result
MHz	
5775.000000	PASS

Table 68: Final measurements

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

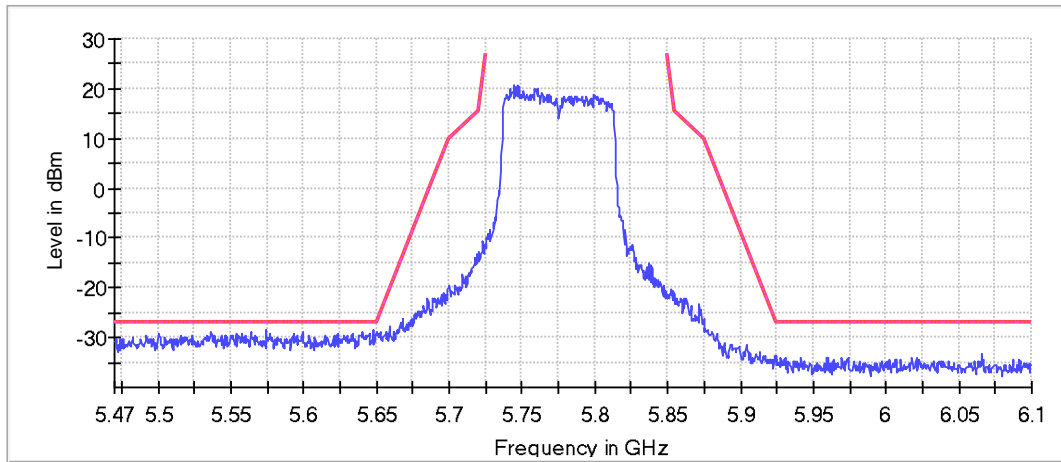
**Table 69: Pre Measurements**

<b>Frequency</b>	<b>Level</b>	<b>Margin</b>	<b>Limit</b>
<b>MHz</b>	<b>dBm</b>	<b>dB</b>	<b>dBm</b>
5647.750000	-28.5	1.5	-27.0
5574.250000	-28.6	1.6	-27.0
5599.250000	-28.7	1.7	-27.0
5649.750000	-28.8	1.8	-27.0
5536.250000	-28.9	1.9	-27.0
5640.750000	-28.9	1.9	-27.0
5563.750000	-29.0	2.0	-27.0
5645.250000	-29.2	2.2	-27.0
5576.750000	-29.2	2.2	-27.0
5557.750000	-29.2	2.2	-27.0
5593.250000	-29.3	2.3	-27.0
5500.250000	-29.3	2.3	-27.0
5623.250000	-29.3	2.3	-27.0
5650.250000	-29.2	2.3	-26.8
5633.250000	-29.4	2.4	-27.0

**Table 70: Measurement Settings**

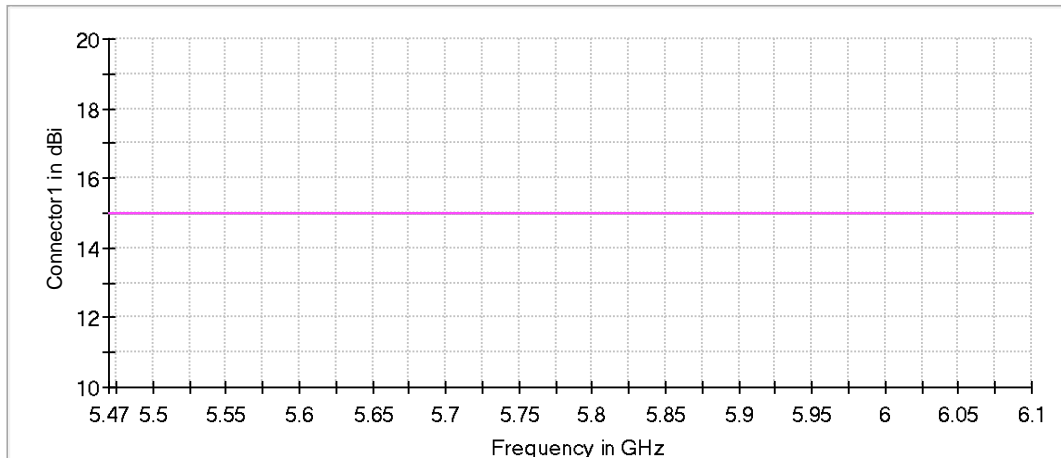
<b>Start Frequency</b>	<b>Stop Frequency</b>	<b>Pre Measurement</b>	<b>Final Measurement</b>
<b>MHz</b>	<b>MHz</b>		
5470.000000	6100.000000	2	2

Spurious



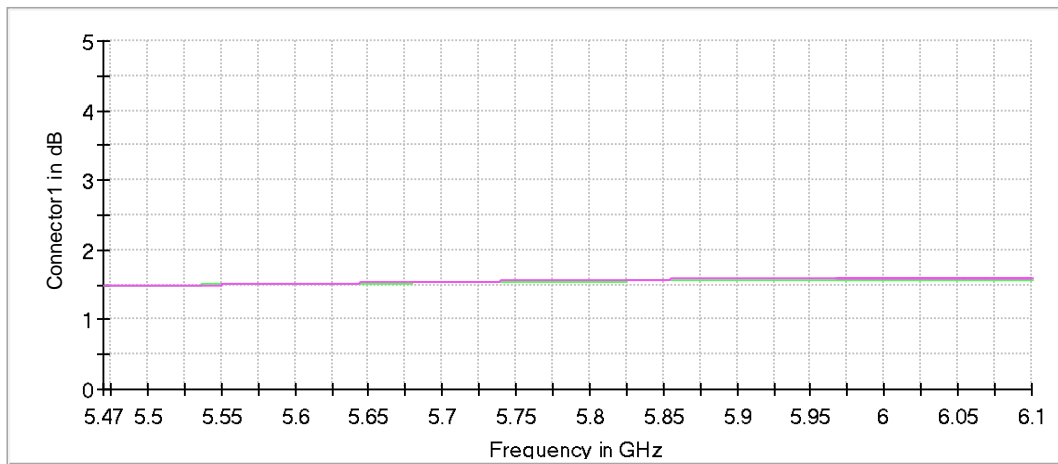
— Limit    - - - - Threshold    × Critical    × Final Critical    — Sum Level

Gain



— Connector1    — Connector2

Attenuation



Connector1 Connector2



-- End of Report --