Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
Emission Bandwidth 26 dB	6535.000	24.0	20.000000	PASS
RF output power	6535.000	24.0	20.000000	PASS
In-Band Emissions	6535.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	6535.000	24.0	20.000000	PASS
Frequency Stability	6535.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	6695.000	24.0	20.000000	PASS
In-Band Emissions	6695.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	6695.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	6875.000	24.0	20.000000	PASS
In-Band Emissions	6875.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	6875.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	6525.000	24.0	40.000000	PASS
In-Band Emissions	6525.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	6525.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	6685.000	24.0	40.000000	PASS
In-Band Emissions	6685.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	6685.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	6885.000	24.0	40.000000	PASS
In-Band Emissions	6885.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	6885.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	6545.000	24.0	80.000000	PASS
In-Band Emissions	6545.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	6545.000	24.0	80.000000	PASS
Emission Bandwidth 26 dB	6705.000	24.0	80.000000	PASS
In-Band Emissions	6705.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	6705.000	24.0	80.000000	PASS
Emission Bandwidth 26 dB	6865.000	24.0	80.000000	PASS
In-Band Emissions	6865.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	6865.000	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	6665.000	24.0	160.000000	PASS
In-Band Emissions	6665.000	24.0	160.000000	PASS
Occupied Channel Bandwidth 99%	6665.000	24.0	160.000000	PASS
Tx Spurious Emission	6665.000	24.0	160.000000	PASS
Emissions in restricted frequency bands (Average)	6665.000	24.0	160.000000	PASS
Emissions in restricted frequency bands (Peak)	6665.000	24.0	160.000000	PASS
Emission Bandwidth 26 dB	6825.000	24.0	160.000000	PASS
In-Band Emissions	6825.000	24.0	160.000000	PASS
Occupied Channel Bandwidth 99%	6825.000	24.0	160.000000	PASS
Tx Spurious Emission	6825.000	24.0	160.000000	PASS
Emissions in restricted frequency bands (Average)	6825.000	24.0	160.000000	PASS
Emissions in restricted frequency bands (Peak)	6825.000	24.0	160.000000	PASS

Emission Bandwidth 26 dB (6535 MHz; 24.000 dBm; 20 MHz)

Customized settings.

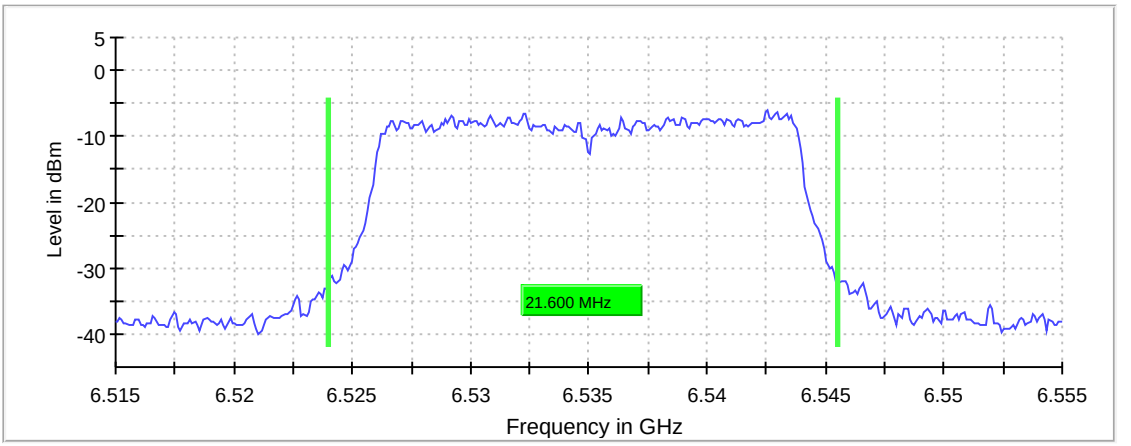
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6535.000000	21.600000	---	320.000000	6523.950000	---

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6535.000000	6545.550000	---	-6.0	PASS

26 dB Bandwidth



Bandwidth

Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.51500 GHz	6.51500 GHz
Stop Frequency	6.55500 GHz	6.55500 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	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 (6535 MHz; 24.000 dBm; 20 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Gated EIRP (dBm)	Limit Max (dBm)	Gated RMS (dBm)	DutyCycle (%)	Result
6535.000000	14.6	24.0	14.6	85.464	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

In-Band Emissions (6535 MHz; 24.000 dBm; 20 MHz)

Customized settings.

Result

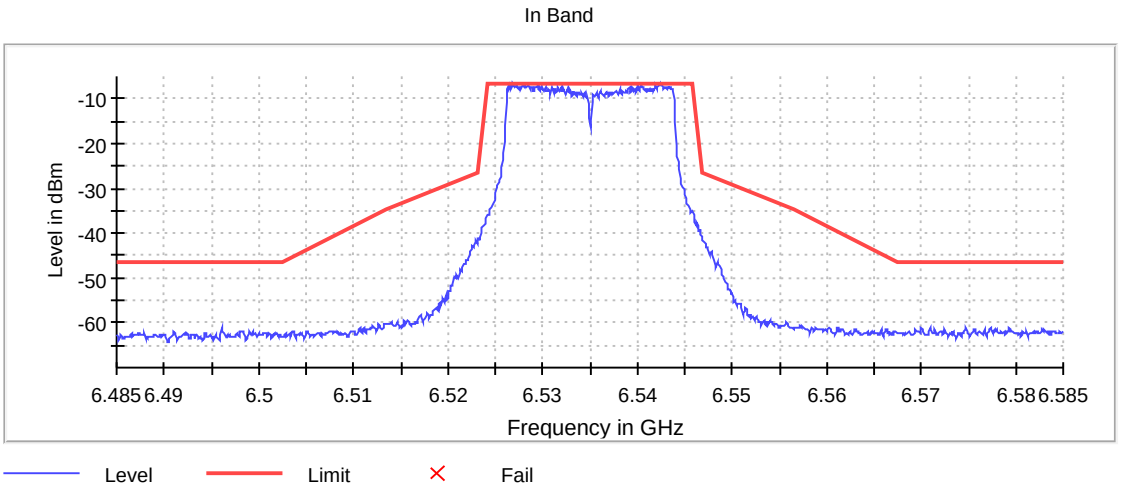
DUT Frequency (MHz)	Result
6535.000000	PASS

Inband Peak

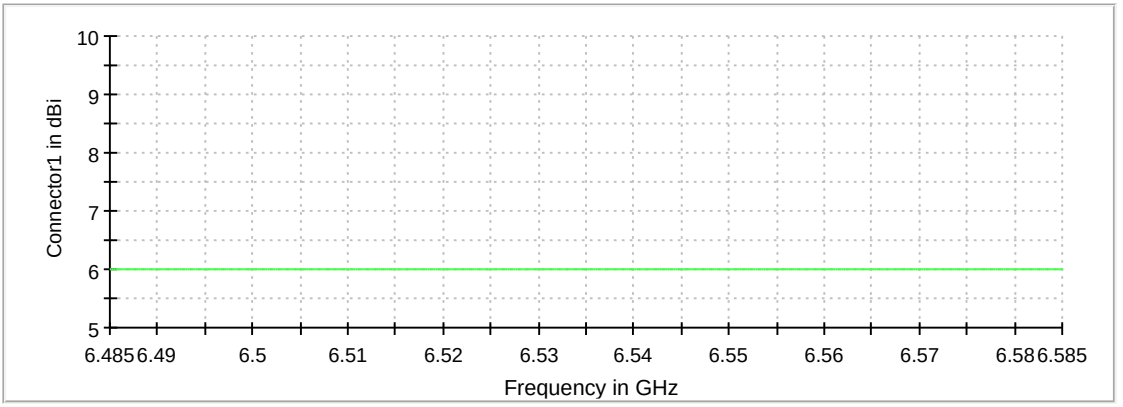
Frequency (MHz)	Level (dBm)
6542.550000	-6.5

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6526.950000	-6.6	0.1	-6.5	PASS
6526.650000	-6.9	0.4	-6.5	PASS
6529.450000	-6.9	0.4	-6.5	PASS
6540.050000	-6.9	0.4	-6.5	PASS
6542.350000	-6.9	0.4	-6.5	PASS
6528.550000	-7.0	0.5	-6.5	PASS
6542.450000	-7.0	0.5	-6.5	PASS
6542.250000	-7.0	0.5	-6.5	PASS
6527.850000	-7.0	0.5	-6.5	PASS
6527.250000	-7.0	0.5	-6.5	PASS
6528.150000	-7.0	0.5	-6.5	PASS
6528.450000	-7.0	0.5	-6.5	PASS
6526.850000	-7.1	0.6	-6.5	PASS
6526.350000	-7.1	0.6	-6.5	PASS
6541.950000	-7.2	0.6	-6.5	PASS

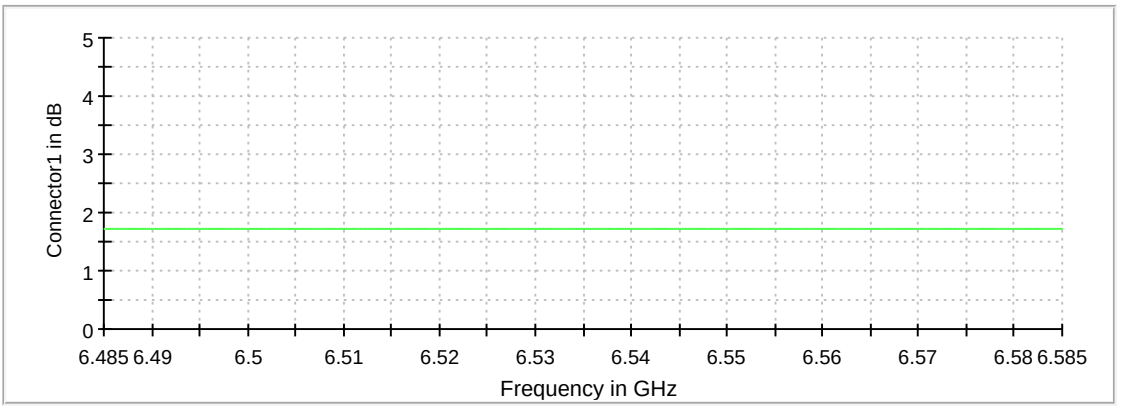


Gain



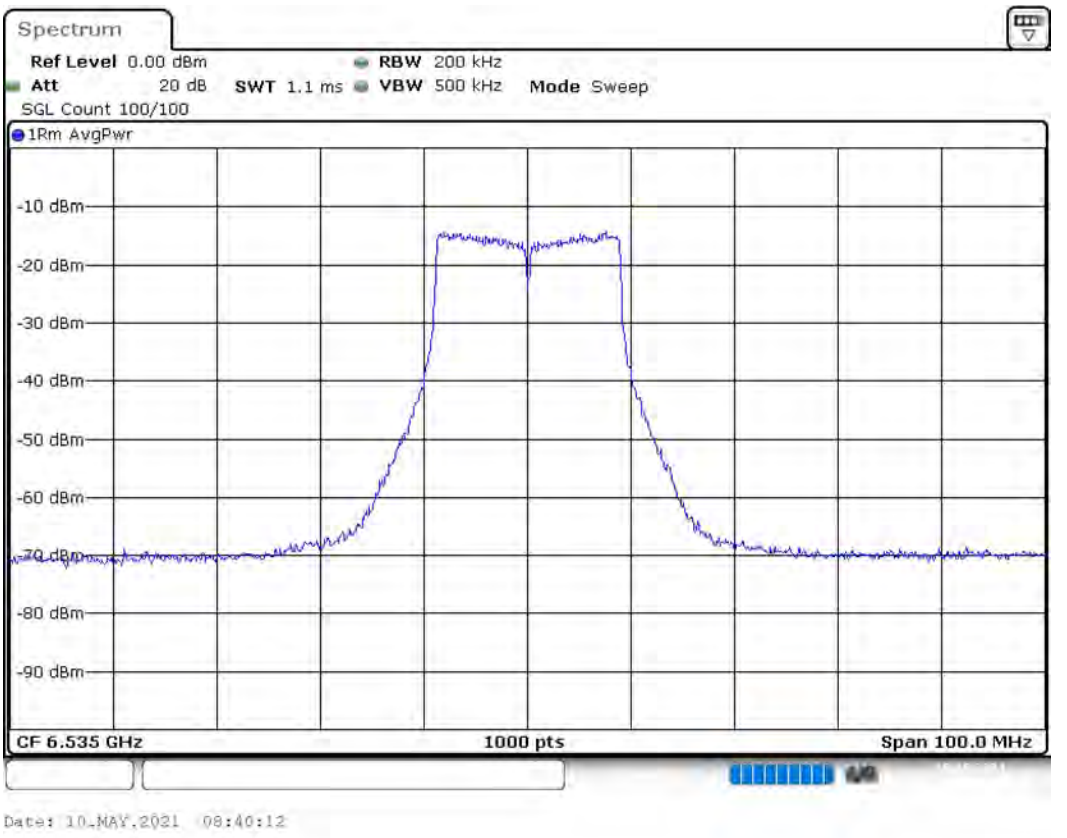
Connector1

Attenuation



Connector1

In Band Connector 1_0



Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	6.48500 GHz	6.48500 GHz
Stop Frequency	6.58500 GHz	6.58500 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
Sweeptime	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% (6535 MHz; 24.000 dBm; 20 MHz)

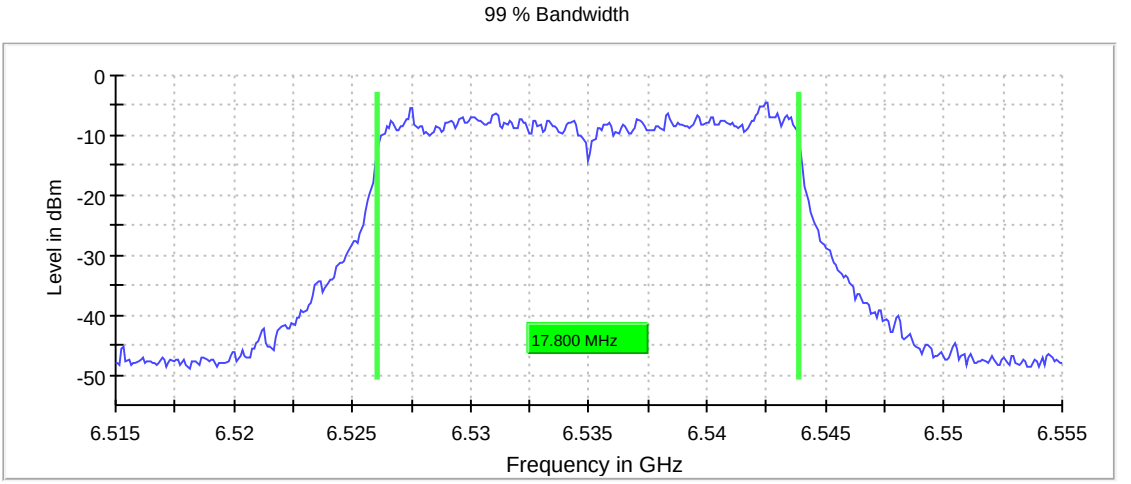
Customized settings.

99 % Bandwidth

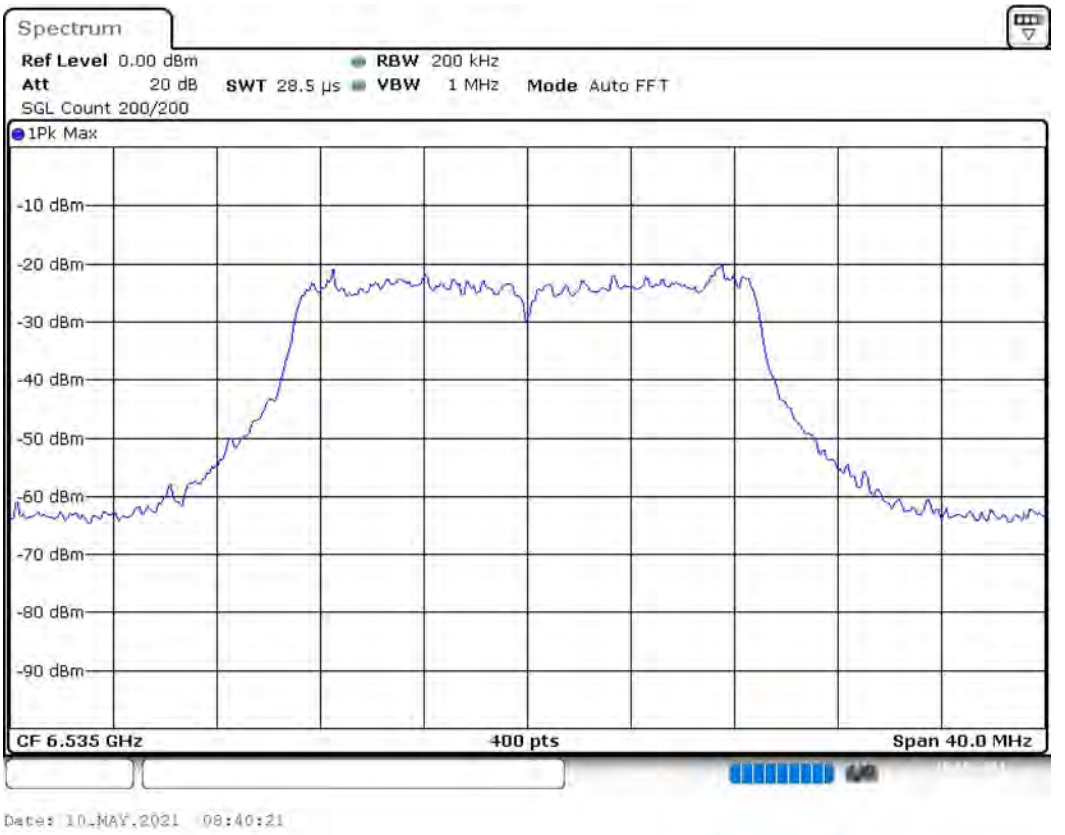
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6535.000000	17.800000	---	320.000000	6526.050000	5925.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6535.000000	6543.850000	7125.000000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.51500 GHz	6.51500 GHz
Stop Frequency	6.55500 GHz	6.55500 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	0.000 dBm
Attenuation	20.000 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

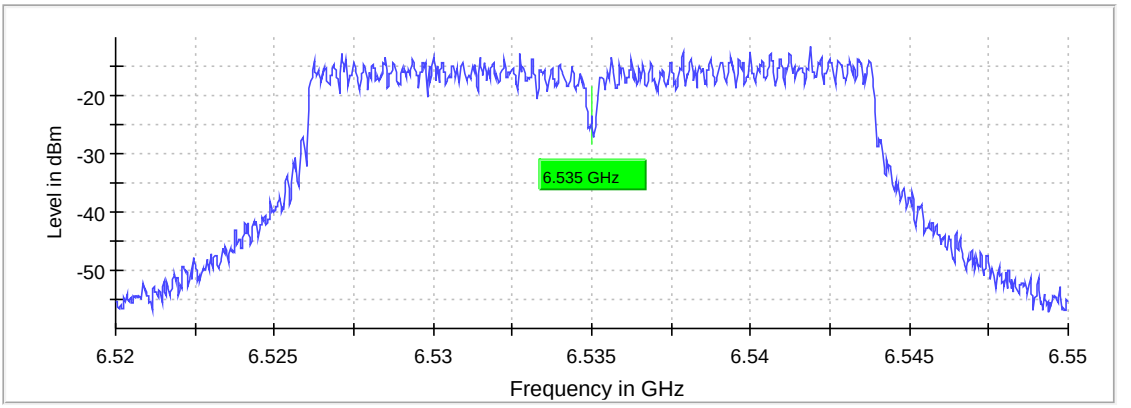
Frequency Stability (6535 MHz; 24.000 dBm; 20 MHz)

Customized settings.

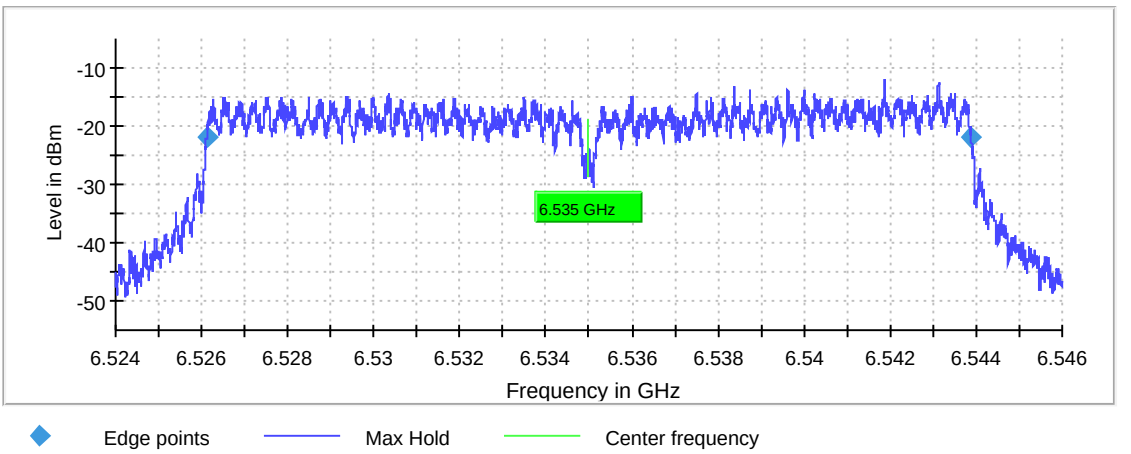
Result

DUT Frequency (MHz)	Frequency (MHz)	Difference (ppm)	Frequency Difference (kHz)	Limit Min (MHz)	Limit Max (MHz)	Result
6535.000000	6534.998901	0.168	-1.099500	---	---	PASS

Frequency stability Pre



Frequency stability



Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.52400 GHz	6.52400 GHz
Stop Frequency	6.54600 GHz	6.54600 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 µs	AUTO

Setting	Instrument Value	Target Value
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 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 (6695 MHz; 24.000 dBm; 20 MHz)

Customized settings.

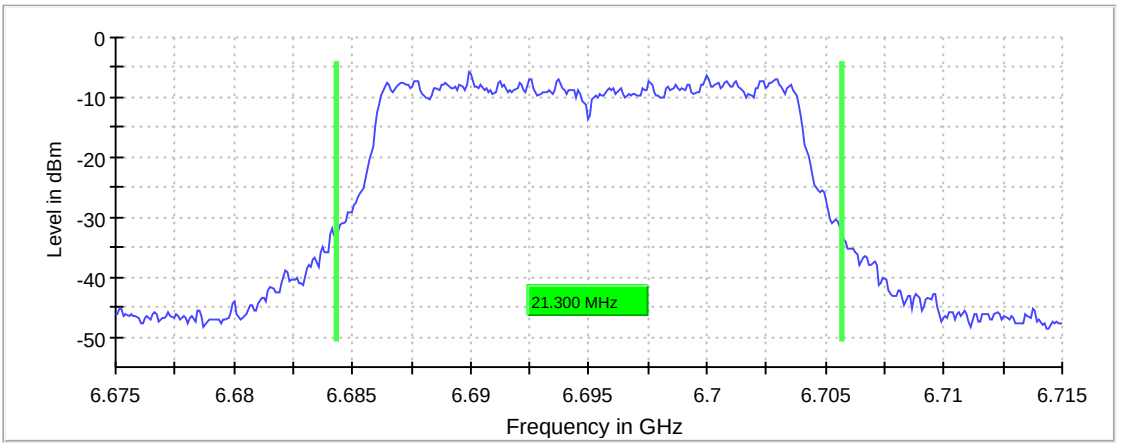
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6695.000000	21.300000	---	320.000000	6684.350000	---

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6695.000000	6705.650000	---	-5.9	PASS

26 dB Bandwidth



Bandwidth


Spectrum
Ref Level 0.00 dBm
RBW 200 kHz
Att 20 dB
SWT 28.5 µs
VBW 1 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
-90 dBm
CF 6.695 GHz
400 pts
Span 40.0 MHz
Date: 10.MAY.2021 08:41:06

In-Band Emissions (6695 MHz; 24.000 dBm; 20 MHz)

Customized settings.

Result

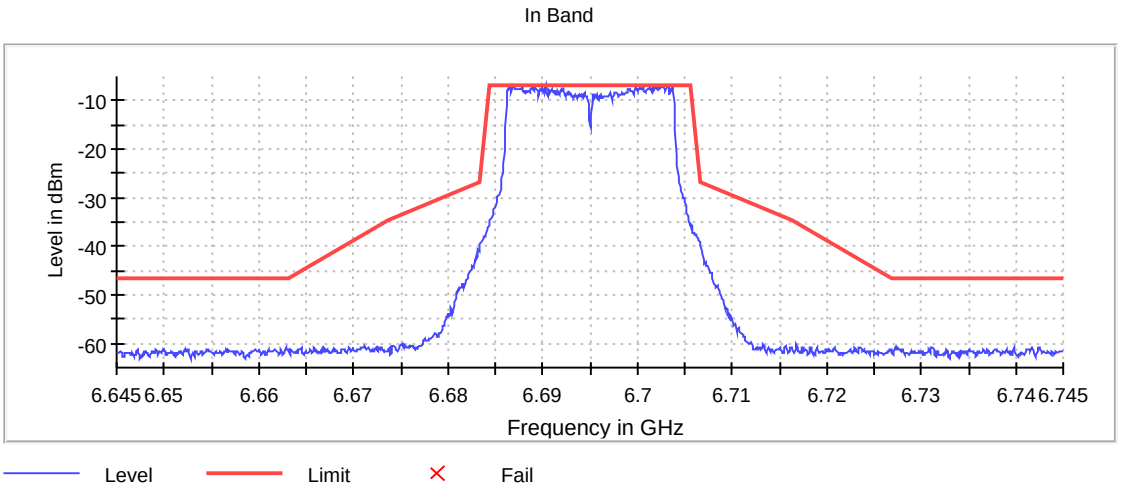
DUT Frequency (MHz)	Result
6695.000000	PASS

Inband Peak

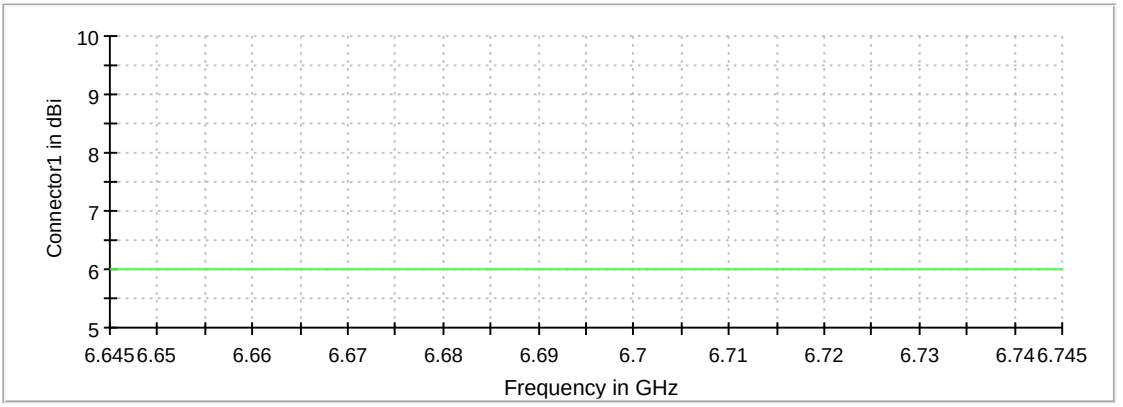
Frequency (MHz)	Level (dBm)
6703.150000	-6.7

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6686.950000	-6.8	0.0	-6.7	PASS
6702.250000	-7.0	0.3	-6.7	PASS
6702.150000	-7.0	0.3	-6.7	PASS
6703.250000	-7.0	0.3	-6.7	PASS
6690.350000	-7.0	0.3	-6.7	PASS
6686.550000	-7.1	0.4	-6.7	PASS
6702.550000	-7.2	0.4	-6.7	PASS
6690.050000	-7.2	0.5	-6.7	PASS
6687.050000	-7.2	0.5	-6.7	PASS
6700.650000	-7.3	0.5	-6.7	PASS
6700.350000	-7.3	0.6	-6.7	PASS
6703.750000	-7.3	0.6	-6.7	PASS
6702.450000	-7.3	0.6	-6.7	PASS
6686.350000	-7.3	0.6	-6.7	PASS
6688.850000	-7.3	0.6	-6.7	PASS

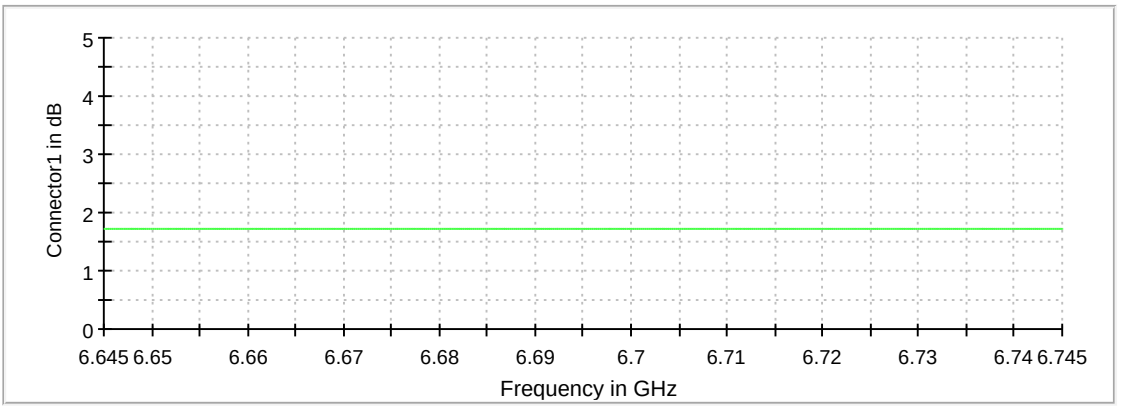


Gain



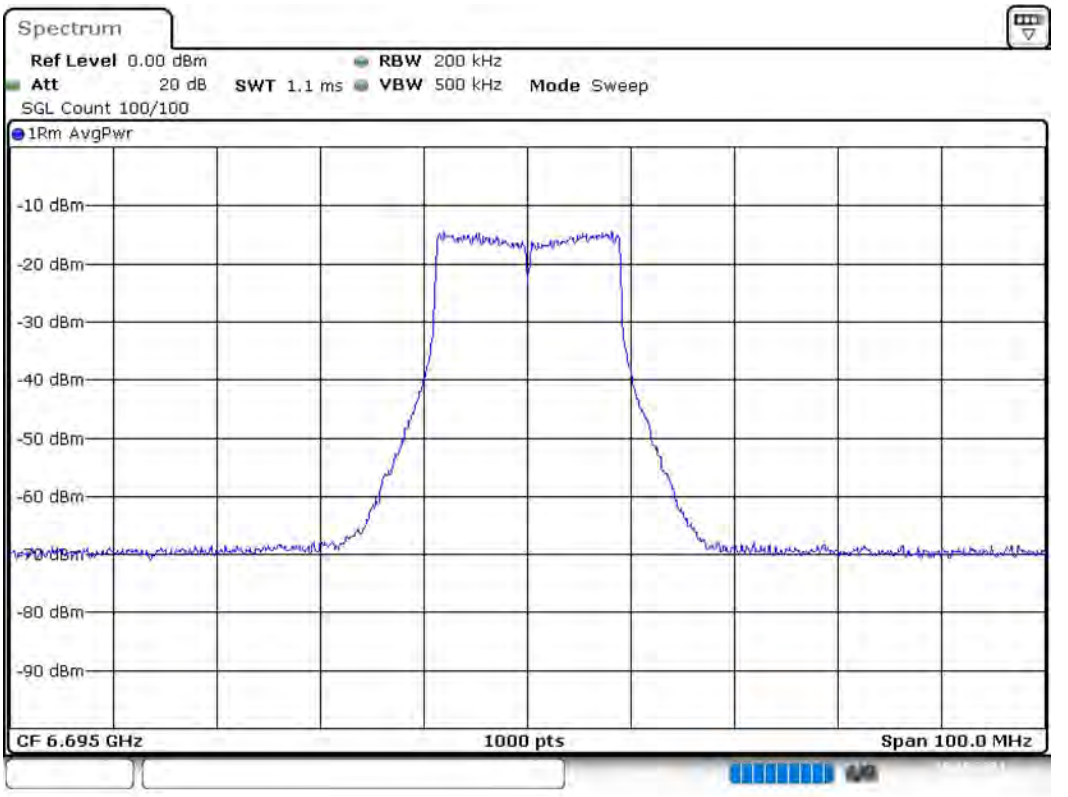
Connector1

Attenuation



Connector1

In Band Connector 1_0


Spectrum
Ref Level 0.00 dBm
RBW 200 kHz
Att 20 dB
SWT 1.1 ms
VBW 500 kHz
Mode Sweep
SGL Count 100/100
1Rm AvgPwr
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
-90 dBm
CF 6.695 GHz
1000 pts
Span 100.0 MHz
Date: 10.MAY.2021 08:42:02

Occupied Channel Bandwidth 99% (6695 MHz; 24.000 dBm; 20 MHz)

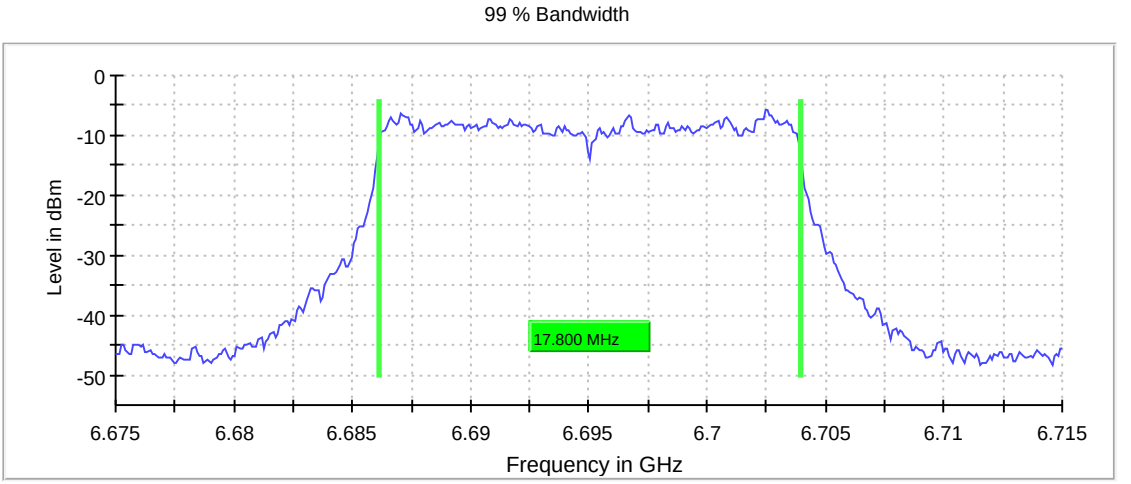
Customized settings.

99 % Bandwidth

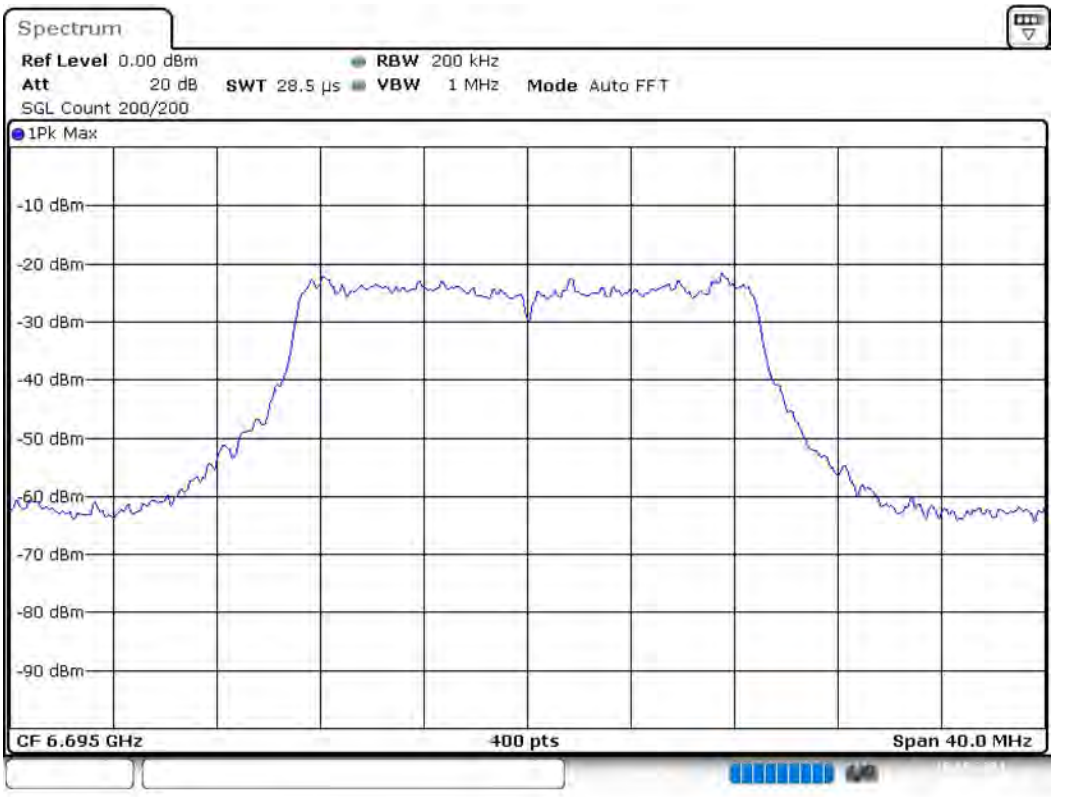
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6695.000000	17.800000	---	320.000000	6686.150000	5925.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6695.000000	6703.950000	7125.000000	PASS



Bandwidth


Spectrum
Ref Level 0.00 dBm
RBW 200 kHz
Att 20 dB
SWT 28.5 µs
VBW 1 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
-90 dBm
CF 6.695 GHz
400 pts
Span 40.0 MHz
Date: 10.MAY.2021 08:42:11

Emission Bandwidth 26 dB (6875 MHz; 24.000 dBm; 20 MHz)

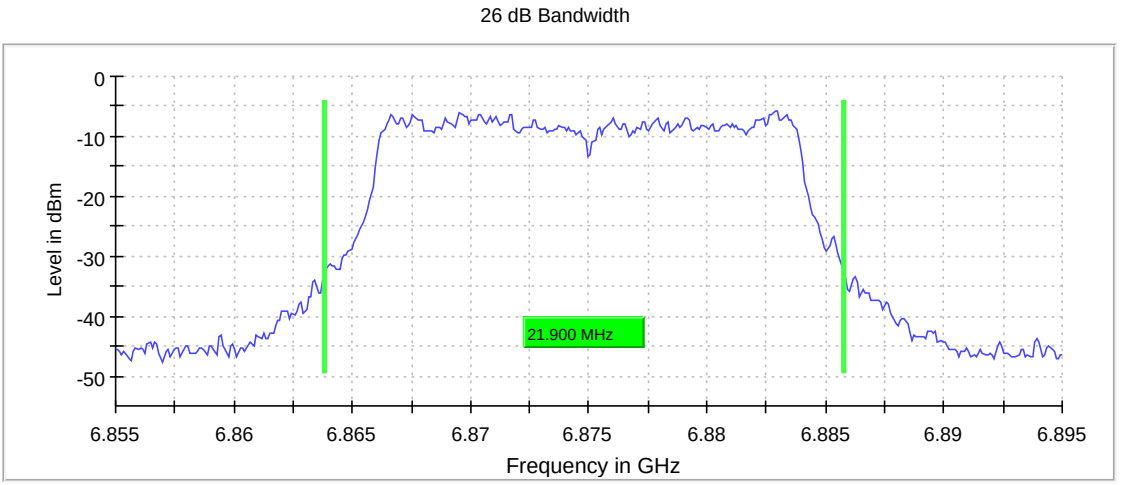
Customized settings.

26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 7 (MHz)	Bandwidth U-NII 8 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6875.000000	21.900000	11.150000	10.750000	---	320.000000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

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
6875.000000	6863.850000	---	6885.750000	---	-5.8	PASS



Bandwidth


Spectrum
Ref Level 0.00 dBm
RBW 200 kHz
Att 20 dB
SWT 28.5 µs
VBW 1 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
-90 dBm
CF 6.875 GHz
400 pts
Span 40.0 MHz
Date: 10.MAY.2021 08:42:50

In-Band Emissions (6875 MHz; 24.000 dBm; 20 MHz)

Customized settings.

Result

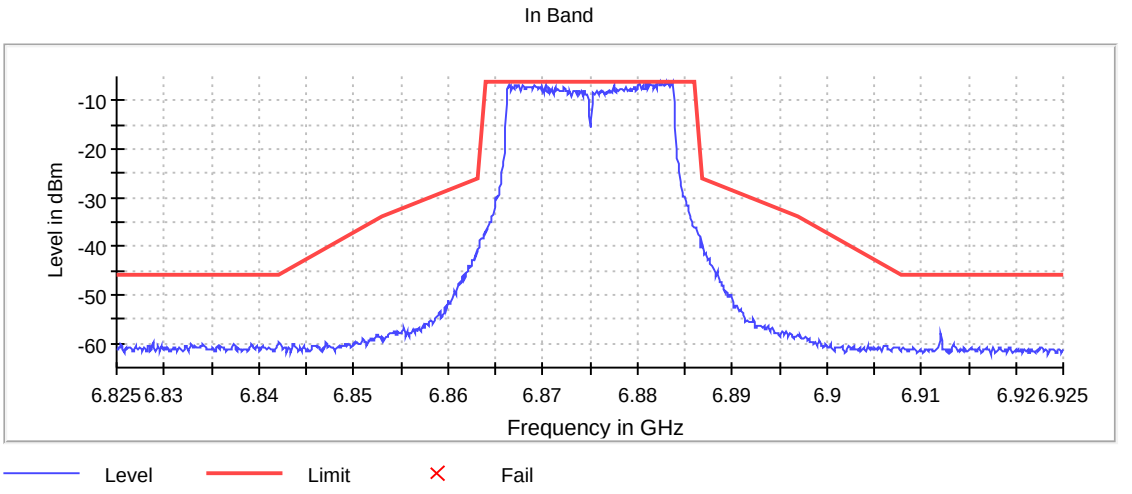
DUT Frequency (MHz)	Result
6875.000000	PASS

Inband Peak

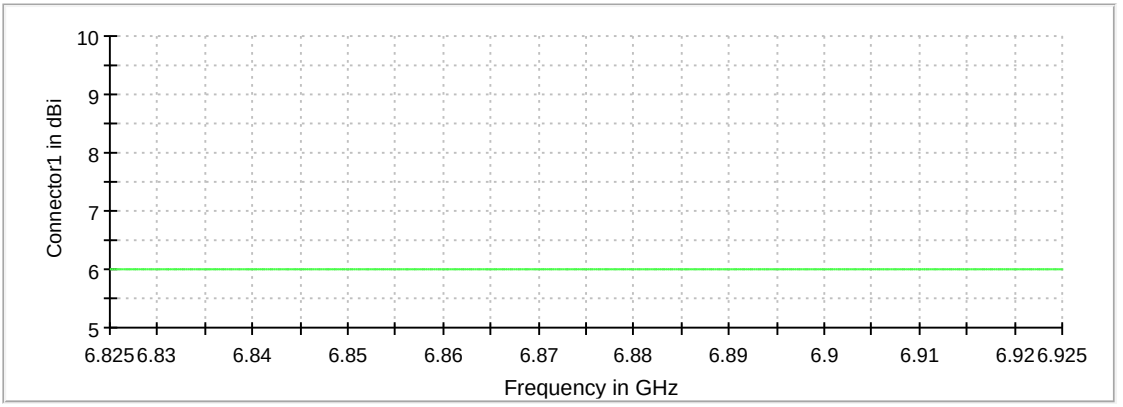
Frequency (MHz)	Level (dBm)
6883.750000	-6.1

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6883.750000	-6.1	0.0	-6.1	PASS
6882.250000	-6.2	0.1	-6.1	PASS
6882.550000	-6.2	0.1	-6.1	PASS
6883.450000	-6.2	0.1	-6.1	PASS
6883.150000	-6.2	0.2	-6.1	PASS
6880.350000	-6.4	0.3	-6.1	PASS
6883.550000	-6.4	0.4	-6.1	PASS
6881.050000	-6.4	0.4	-6.1	PASS
6880.950000	-6.5	0.5	-6.1	PASS
6881.350000	-6.5	0.5	-6.1	PASS
6882.850000	-6.6	0.5	-6.1	PASS
6883.050000	-6.6	0.5	-6.1	PASS
6880.250000	-6.6	0.5	-6.1	PASS
6882.150000	-6.6	0.5	-6.1	PASS
6883.250000	-6.7	0.6	-6.1	PASS

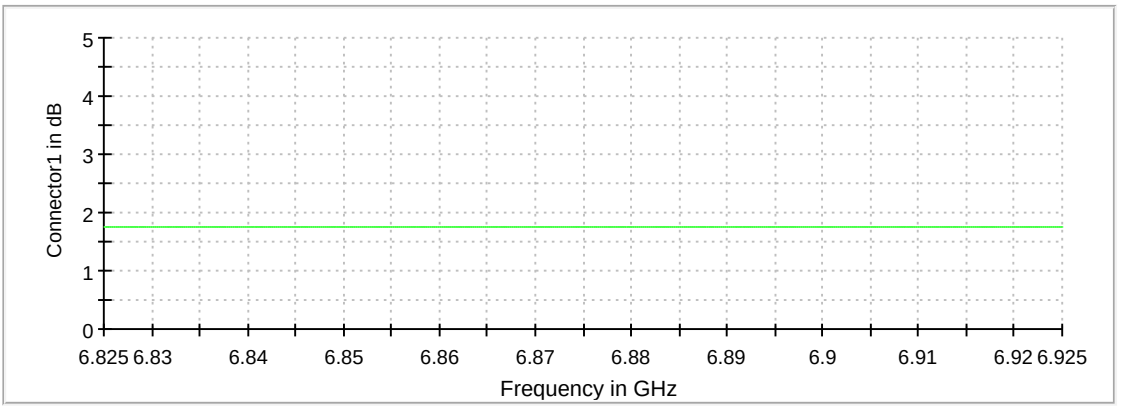


Gain



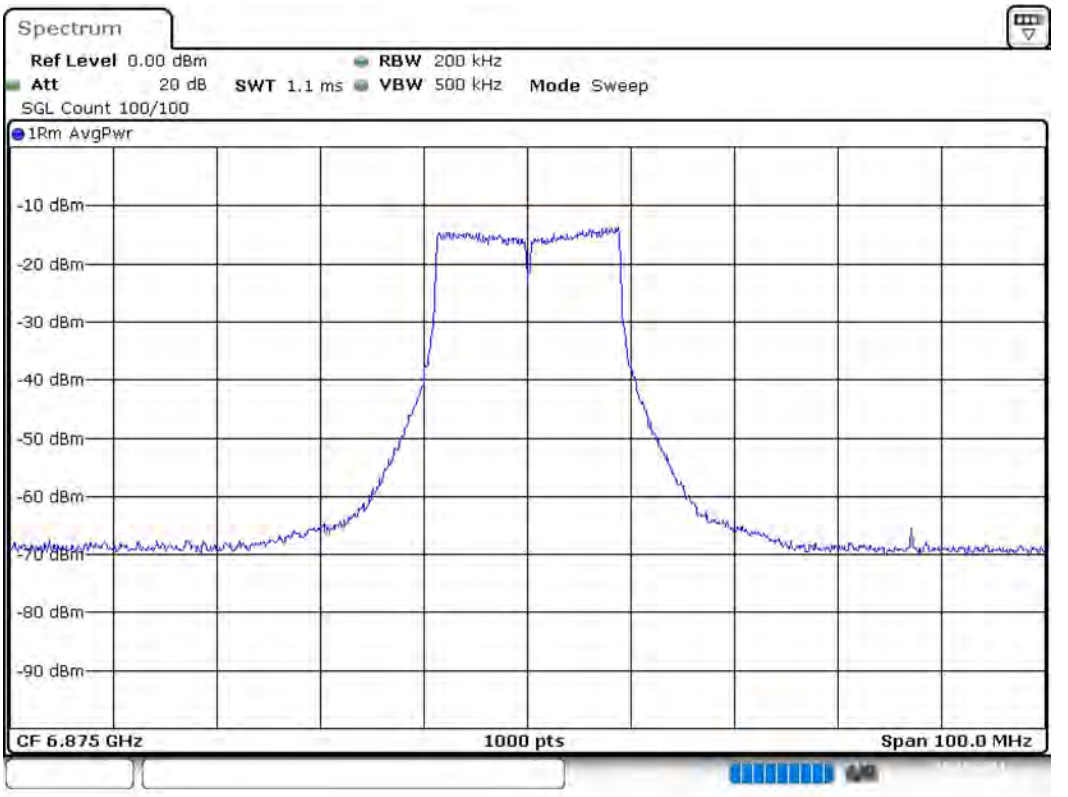
Connector1

Attenuation



Connector1

In Band Connector 1_0


Spectrum
Ref Level 0.00 dBm
RBW 200 kHz
Att 20 dB
SWT 1.1 ms
VBW 500 kHz
Mode Sweep
SGL Count 100/100
1Rm AvgPwr
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
-90 dBm
CF 6.875 GHz
1000 pts
Span 100.0 MHz
Date: 10.MAY.2021 08:43:47

Occupied Channel Bandwidth 99% (6875 MHz; 24.000 dBm; 20 MHz)

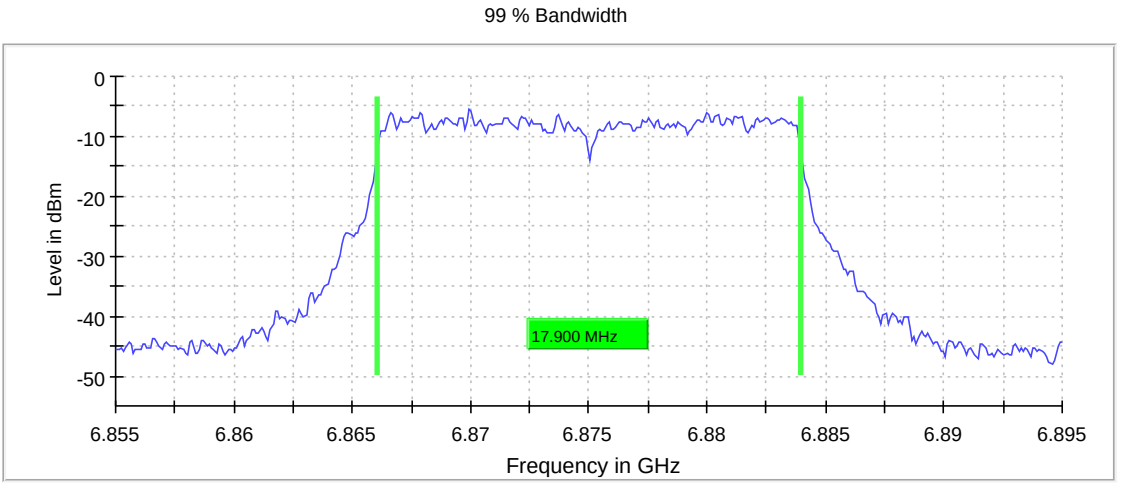
Customized settings.

99 % Bandwidth

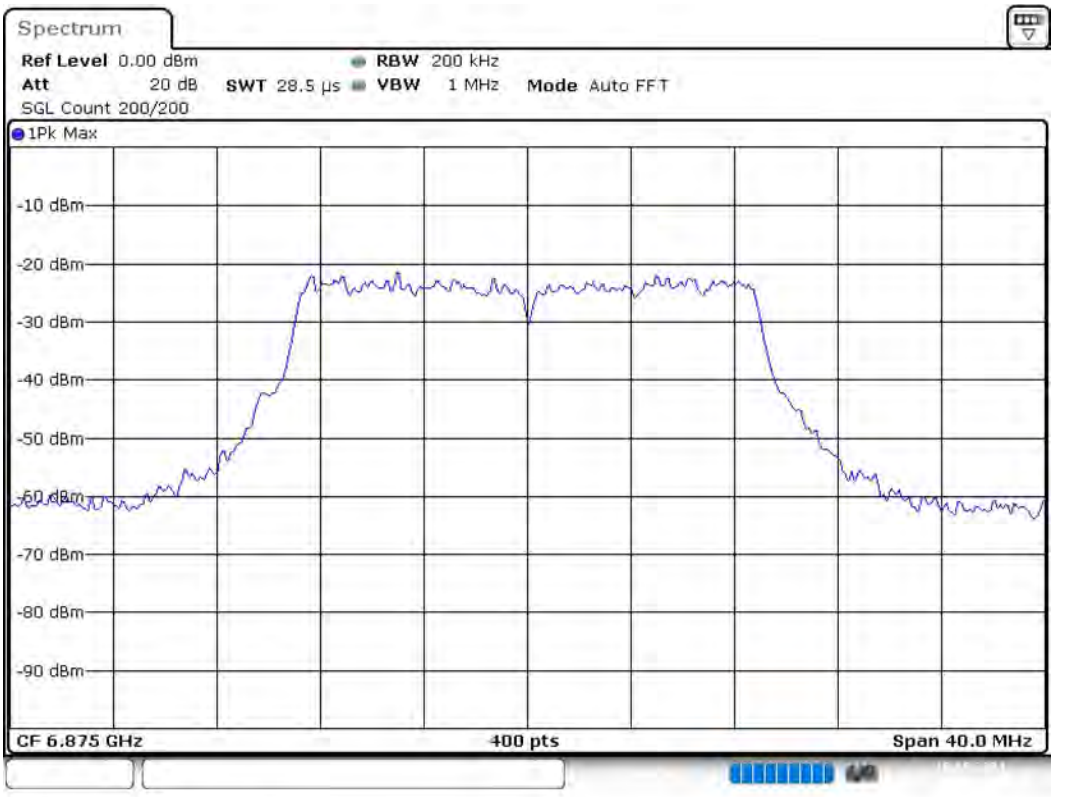
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 7 (MHz)	Bandwidth U-NII 8 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6875.000000	17.900000	8.950000	8.950000	---	320.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6875.000000	6866.050000	5925.000000	6883.950000	7125.000000	PASS



Bandwidth


Spectrum
Ref Level 0.00 dBm
RBW 200 kHz
Att 20 dB
SWT 28.5 µs
VBW 1 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
-90 dBm
CF 6.875 GHz
400 pts
Span 40.0 MHz
Date: 10.MAY.2021 08:43:56

Emission Bandwidth 26 dB (6525 MHz; 24.000 dBm; 40 MHz)

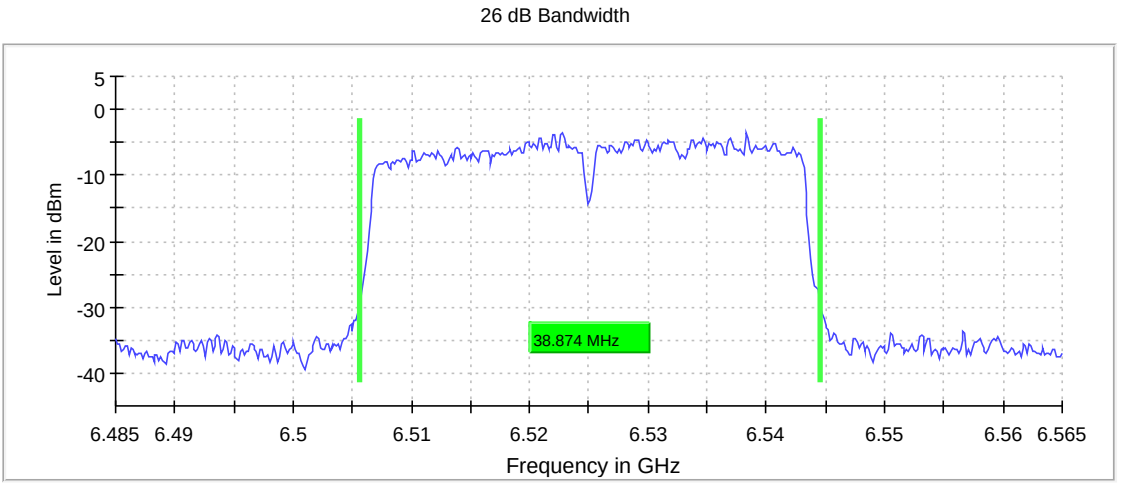
Customized settings.

26 dB Bandwidth

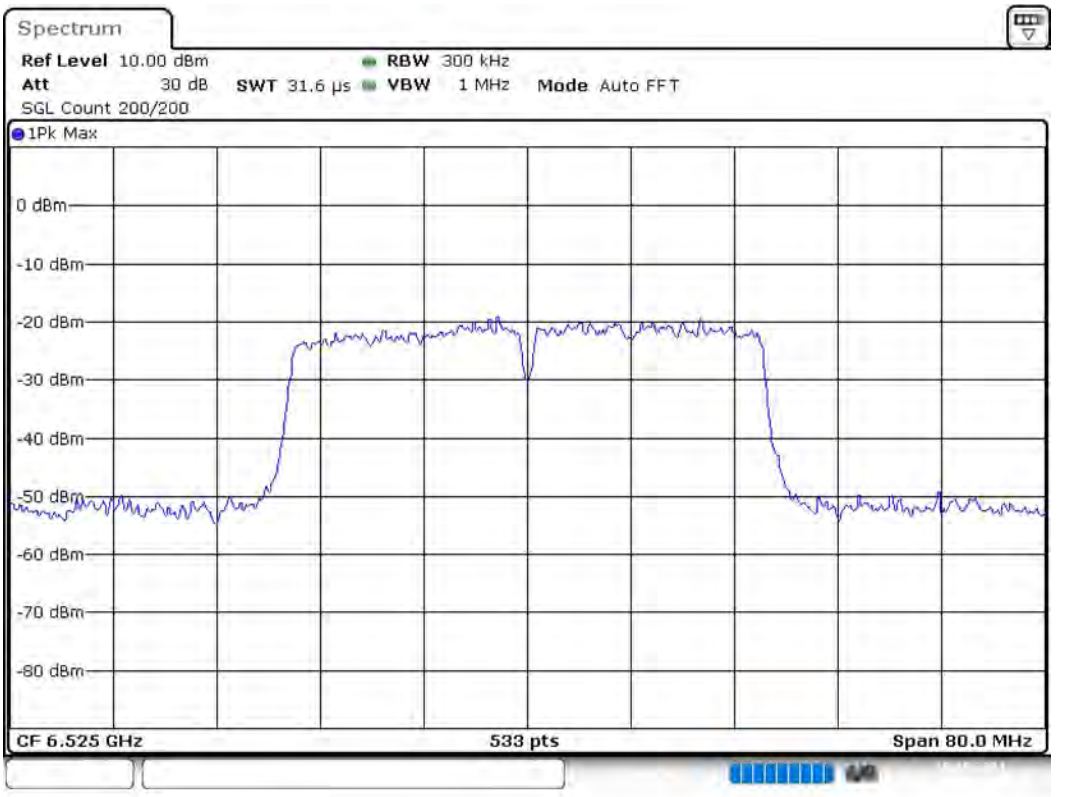
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 6 (MHz)	Bandwidth U-NII 7 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6525.000000	38.874296	19.362101	19.512195	---	320.000000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

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
6525.000000	6505.637899	---	6544.512195	---	-3.5	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 300 kHz
Att 30 dB
SWT 31.6 µs
VBW 1 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.525 GHz
533 pts
Span 80.0 MHz
Date: 10.MAY.2021 08:50:31

In-Band Emissions (6525 MHz; 24.000 dBm; 40 MHz)

Customized settings.

Result

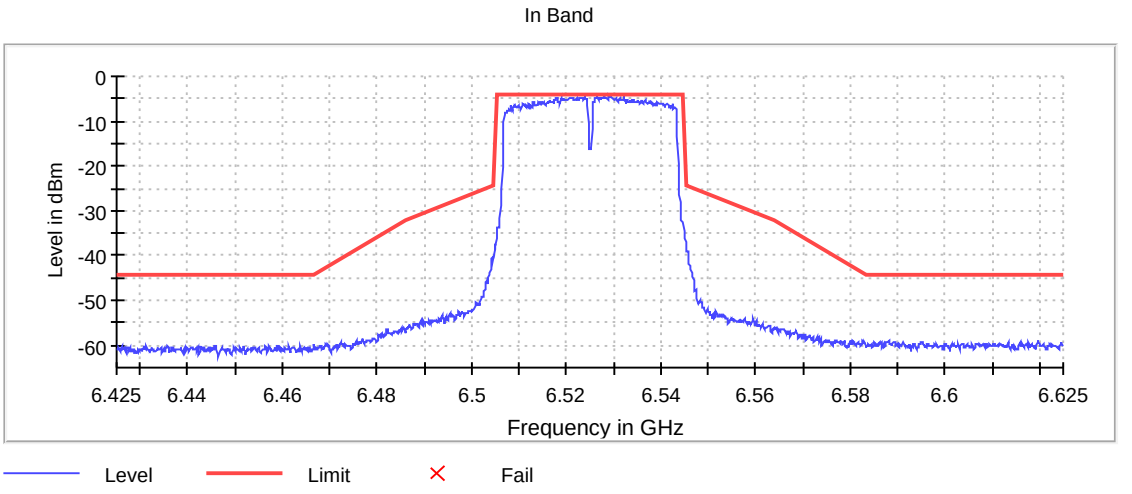
DUT Frequency (MHz)	Result
6525.000000	PASS

Inband Peak

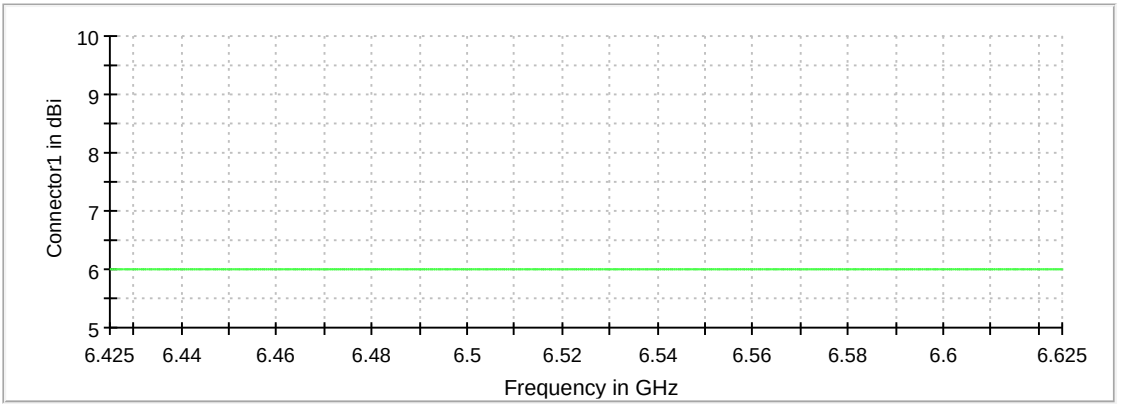
Frequency (MHz)	Level (dBm)
6529.051013	-4.3

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6528.000750	-4.4	0.1	-4.3	PASS
6529.501125	-4.4	0.1	-4.3	PASS
6529.201050	-4.5	0.2	-4.3	PASS
6523.949737	-4.5	0.3	-4.3	PASS
6532.201800	-4.6	0.3	-4.3	PASS
6526.500375	-4.6	0.4	-4.3	PASS
6523.199550	-4.7	0.4	-4.3	PASS
6528.300825	-4.7	0.4	-4.3	PASS
6521.399100	-4.7	0.4	-4.3	PASS
6523.349587	-4.7	0.4	-4.3	PASS
6527.850713	-4.7	0.4	-4.3	PASS
6523.049512	-4.7	0.4	-4.3	PASS
6528.150788	-4.7	0.4	-4.3	PASS
6522.149287	-4.7	0.4	-4.3	PASS
6520.648912	-4.7	0.4	-4.3	PASS

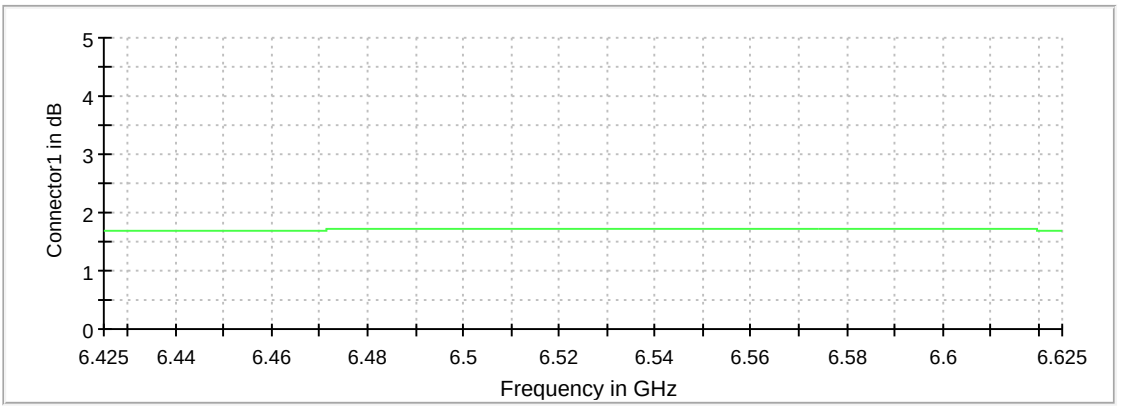


Gain



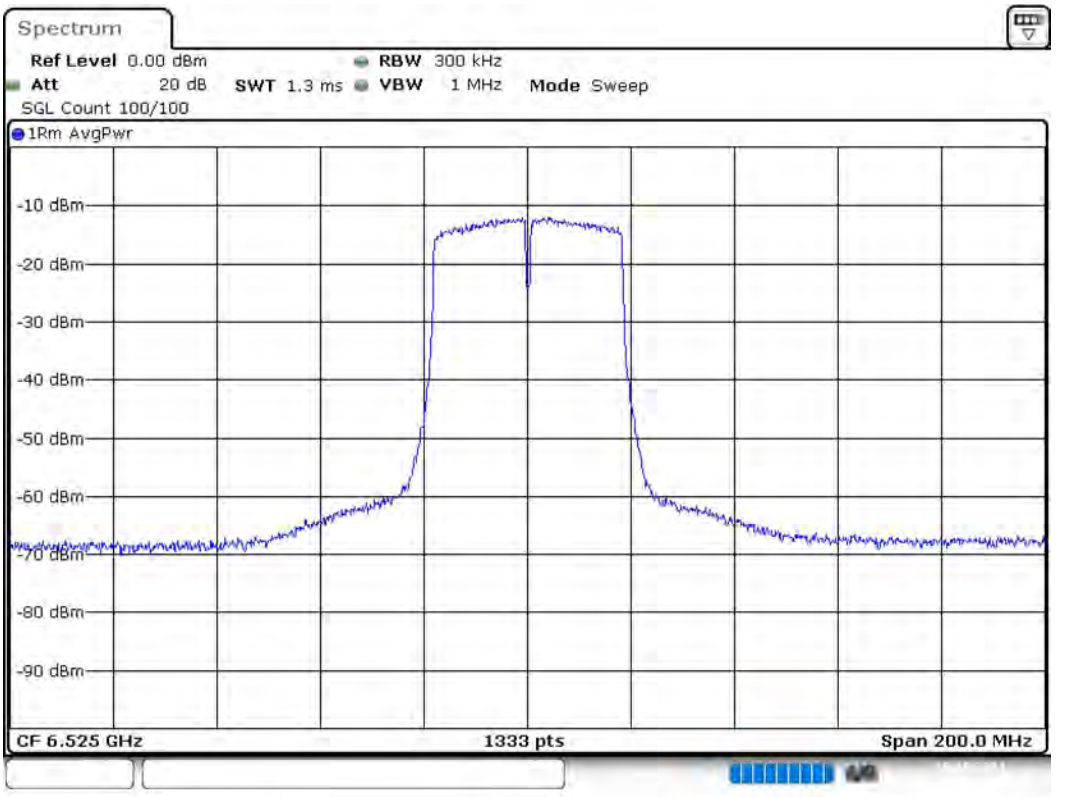
Connector1

Attenuation



Connector1

In Band Connector 1_0


Spectrum
Ref Level 0.00 dBm
RBW 300 kHz
Att 20 dB
SWT 1.3 ms
VBW 1 MHz
Mode Sweep
SGL Count 100/100
1Rm AvgPwr
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
-90 dBm
CF 6.525 GHz
1333 pts
Span 200.0 MHz
Date: 10.MAY.2021 08:51:25

Occupied Channel Bandwidth 99% (6525 MHz; 24.000 dBm; 40 MHz)

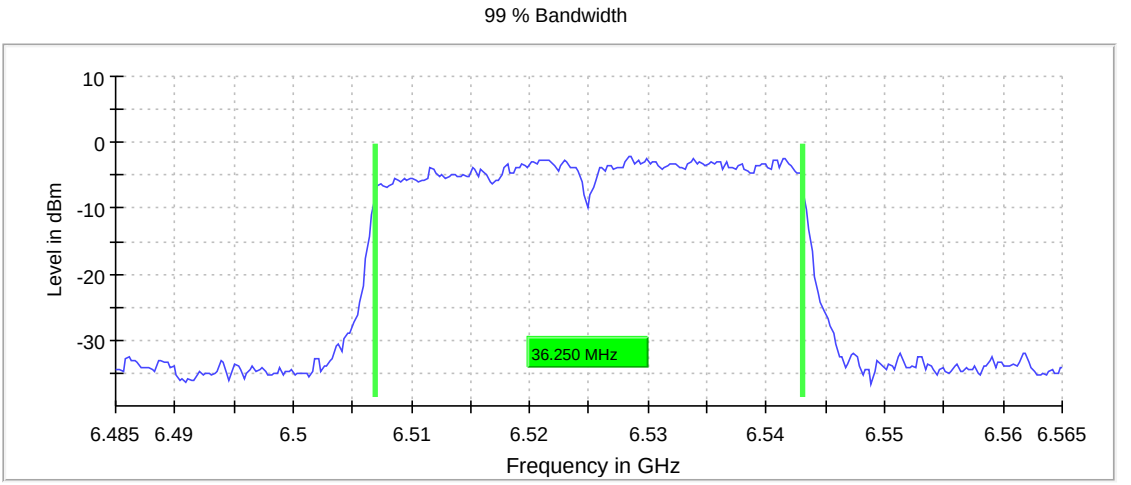
Customized settings.

99 % Bandwidth

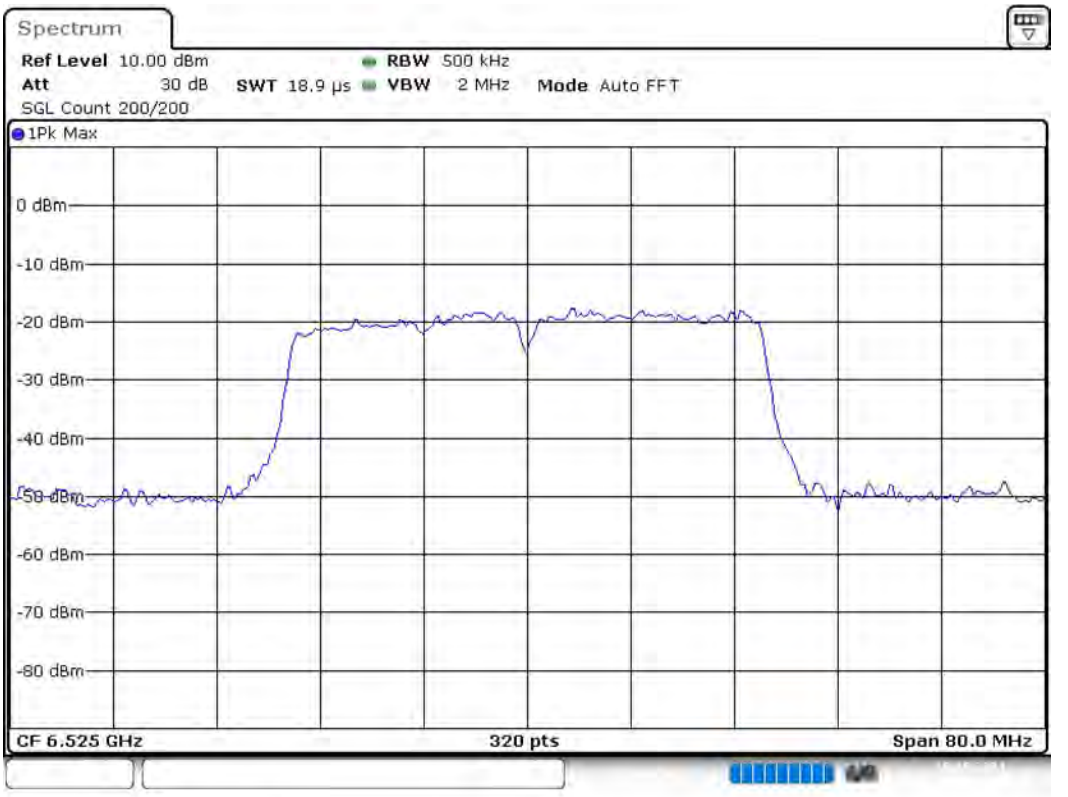
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 6 (MHz)	Bandwidth U-NII 7 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6525.000000	36.250000	18.125000	18.125000	---	320.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6525.000000	6506.875000	5925.000000	6543.125000	7125.000000	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 500 kHz
Att 30 dB
SWT 18.9 µs
VBW 2 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.525 GHz
320 pts
Span 80.0 MHz
Date: 10.MAY.2021 08:51:35

Emission Bandwidth 26 dB (6685 MHz; 24.000 dBm; 40 MHz)

Customized settings.

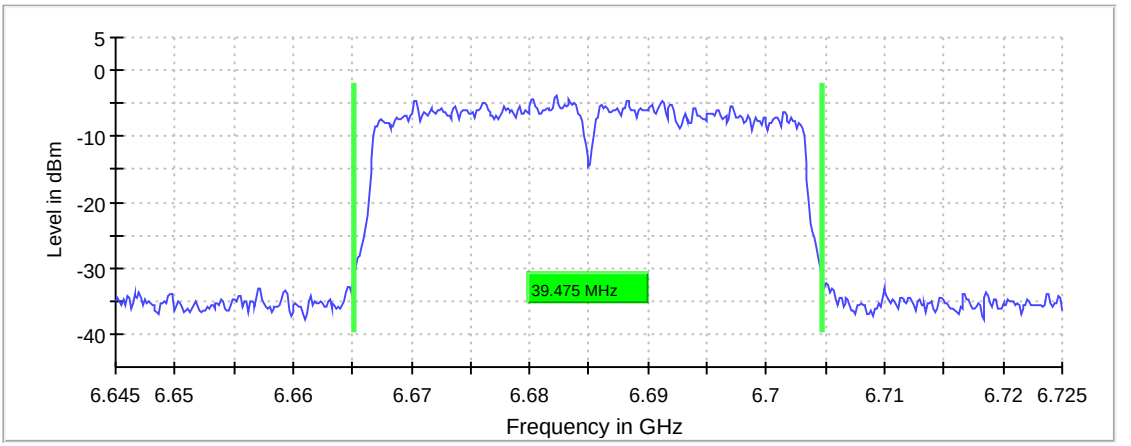
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6685.000000	39.474672	---	320.000000	6665.187617	---

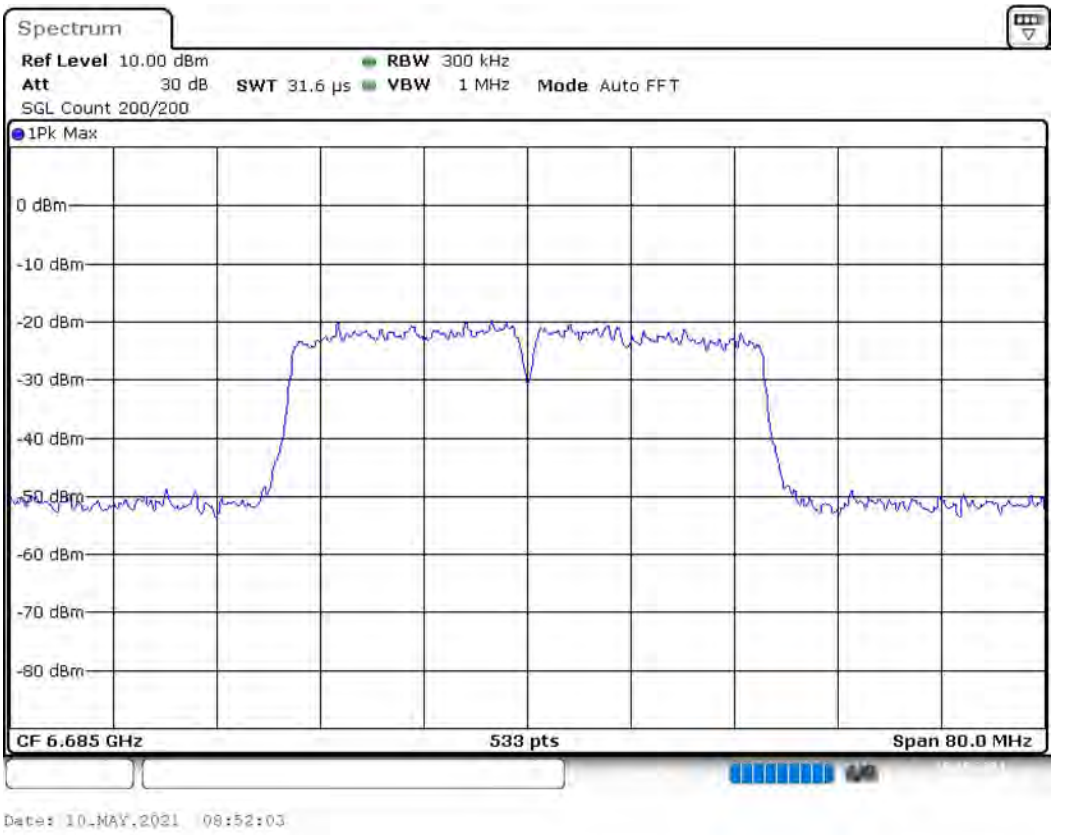
(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6685.000000	6704.662289	---	-3.9	PASS

26 dB Bandwidth



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 300 kHz
Att 30 dB
SWT 31.6 µs
VBW 1 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.685 GHz
533 pts
Span 80.0 MHz
Date: 10.MAY.2021 08:52:03

In-Band Emissions (6685 MHz; 24.000 dBm; 40 MHz)

Customized settings.

Result

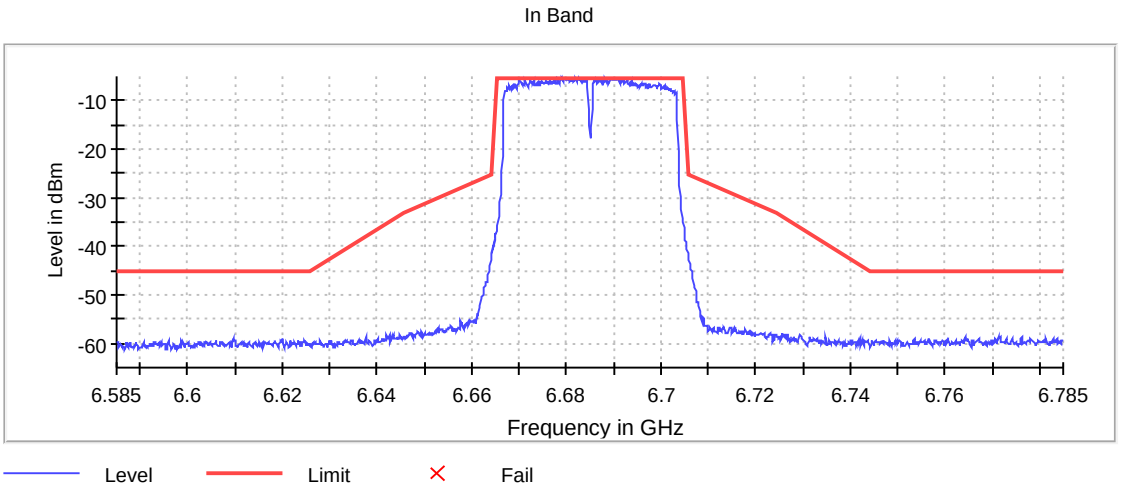
DUT Frequency (MHz)	Result
6685.000000	PASS

Inband Peak

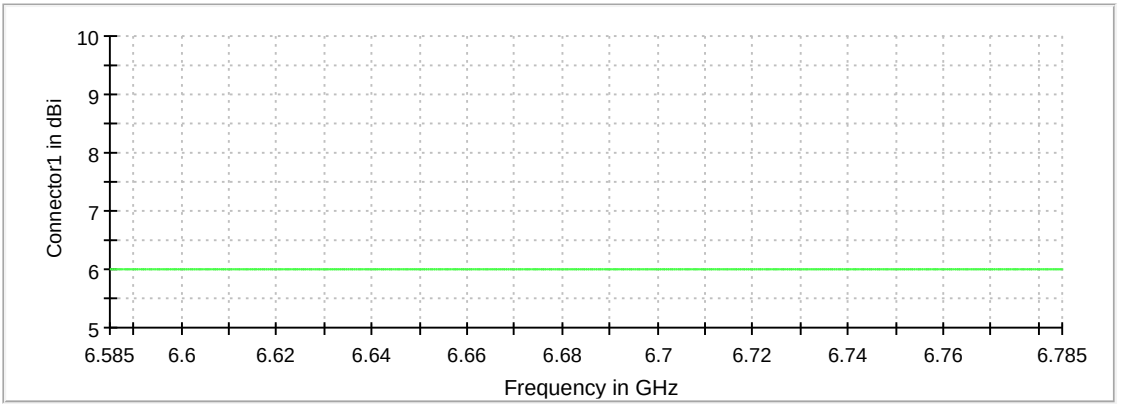
Frequency (MHz)	Level (dBm)
6680.048762	-5.2

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6690.701425	-5.3	0.1	-5.2	PASS
6689.651163	-5.3	0.1	-5.2	PASS
6689.501125	-5.3	0.1	-5.2	PASS
6683.949737	-5.3	0.1	-5.2	PASS
6691.001500	-5.3	0.1	-5.2	PASS
6690.851463	-5.3	0.1	-5.2	PASS
6679.598650	-5.3	0.1	-5.2	PASS
6681.249062	-5.4	0.2	-5.2	PASS
6681.999250	-5.4	0.2	-5.2	PASS
6681.399100	-5.5	0.3	-5.2	PASS
6680.198800	-5.5	0.3	-5.2	PASS
6677.648162	-5.5	0.3	-5.2	PASS
6688.150788	-5.5	0.3	-5.2	PASS
6682.899475	-5.5	0.3	-5.2	PASS
6679.148537	-5.5	0.3	-5.2	PASS

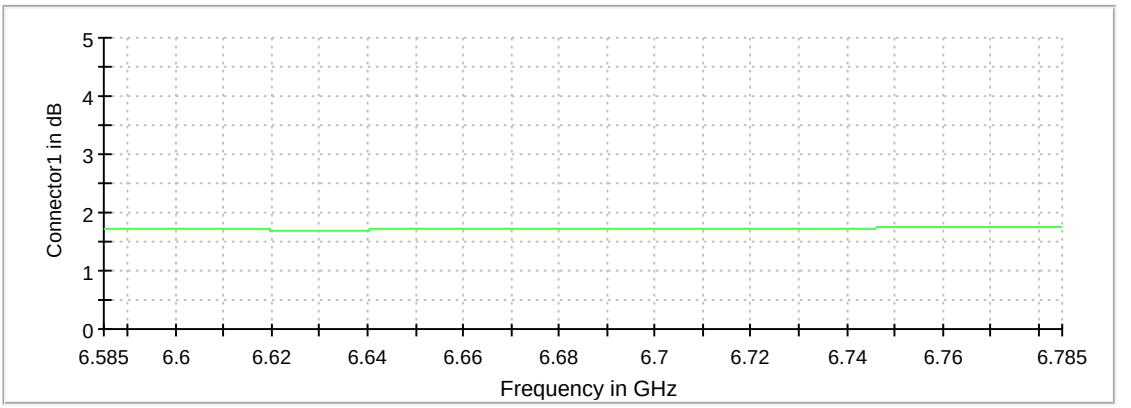


Gain



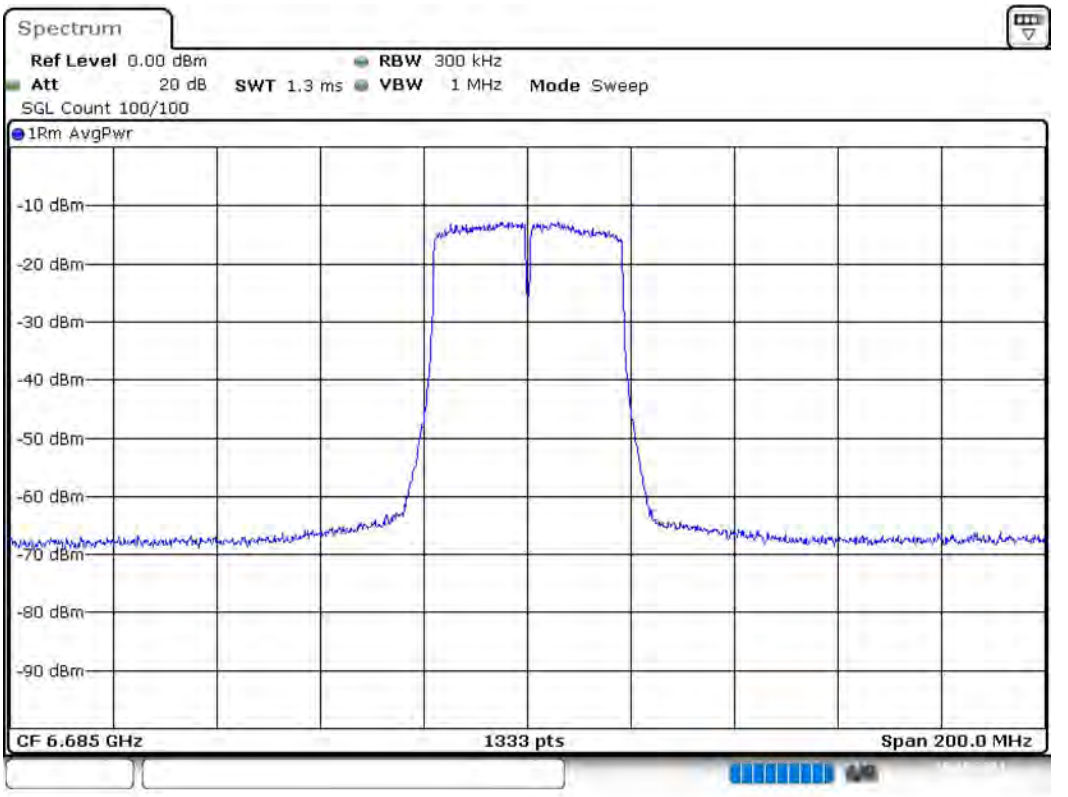
Connector1

Attenuation



Connector1

In Band Connector 1_0


Spectrum
Ref Level 0.00 dBm
RBW 300 kHz
Att 20 dB
SWT 1.3 ms
VBW 1 MHz
Mode Sweep
SGL Count 100/100
1Rm AvgPwr
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
-90 dBm
CF 6.685 GHz
1333 pts
Span 200.0 MHz
Date: 10.MAY.2021 08:52:58

Occupied Channel Bandwidth 99% (6685 MHz; 24.000 dBm; 40 MHz)

Customized settings.

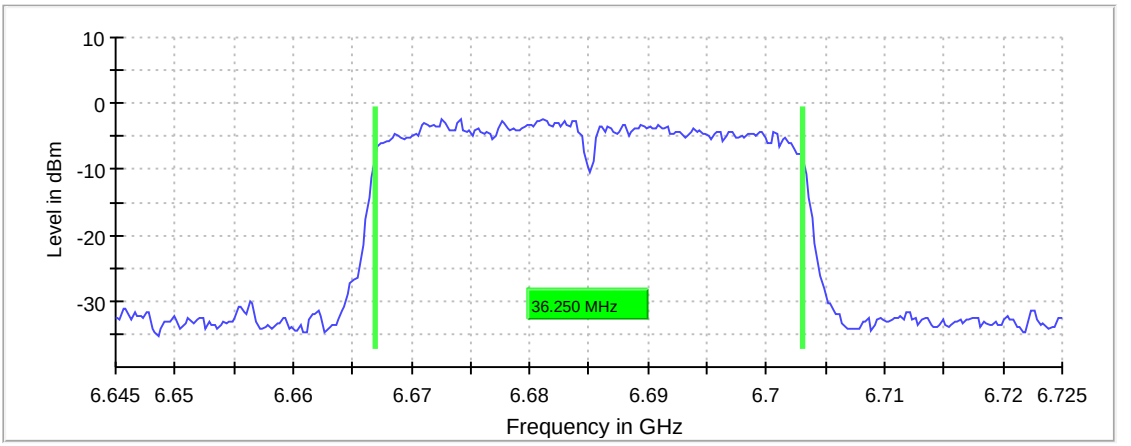
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6685.000000	36.250000	---	320.000000	6666.875000	5925.000000

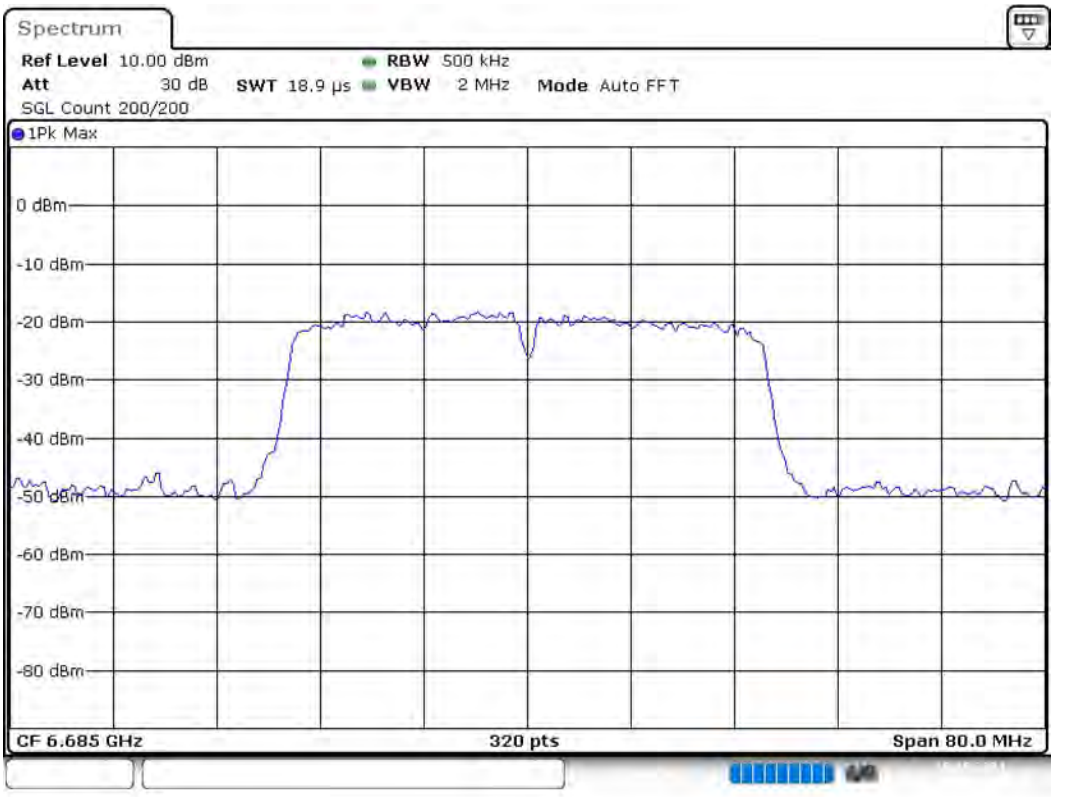
(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6685.000000	6703.125000	7125.000000	PASS

99 % Bandwidth



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 500 kHz
Att 30 dB
SWT 18.9 µs
VBW 2 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.685 GHz
320 pts
Span 80.0 MHz
Date: 10.MAY.2021 08:53:07

Emission Bandwidth 26 dB (6885 MHz; 24.000 dBm; 40 MHz)

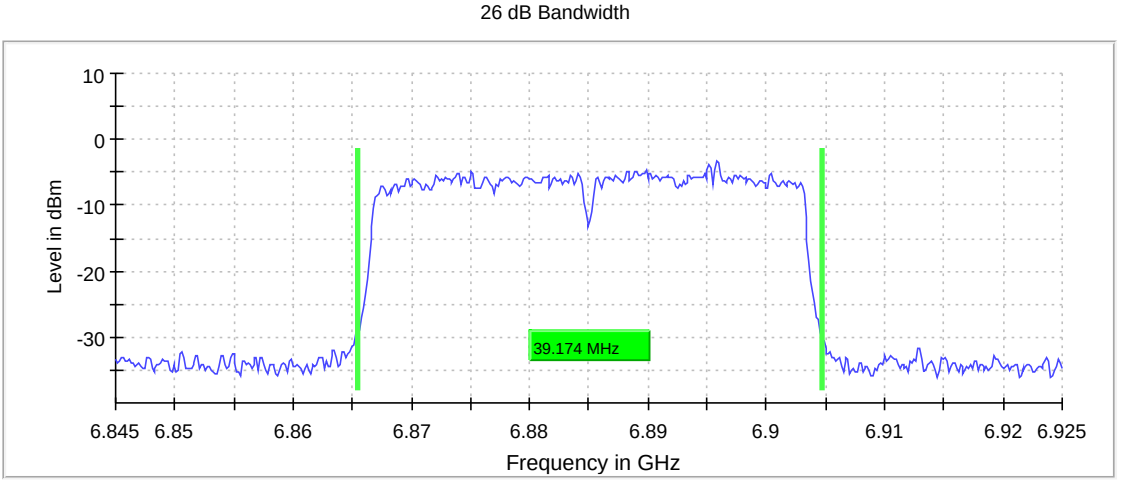
Customized settings.

26 dB Bandwidth

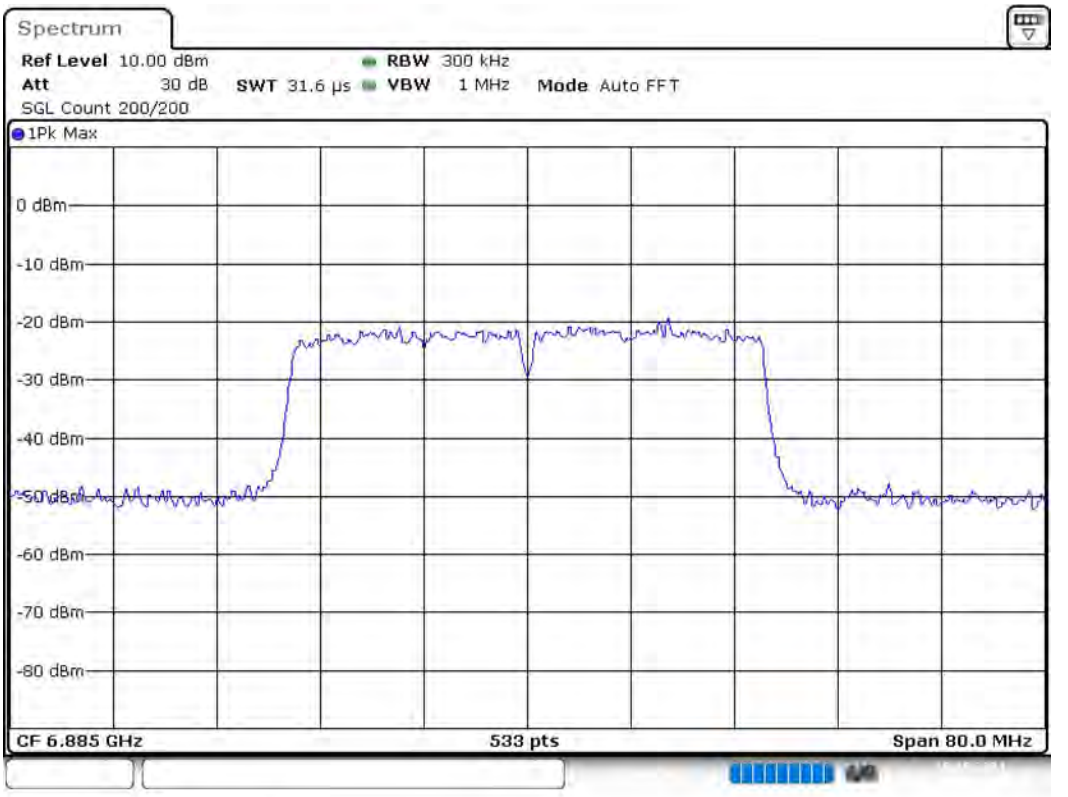
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 7 (MHz)	Bandwidth U-NII 8 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6885.000000	39.174484	9.512195	29.662289	---	320.000000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

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
6885.000000	6865.487805	---	6904.662289	---	-3.3	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 300 kHz
Att 30 dB
SWT 31.6 µs
VBW 1 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.885 GHz
533 pts
Span 80.0 MHz
Date: 10.MAY.2021 08:53:24

In-Band Emissions (6885 MHz; 24.000 dBm; 40 MHz)

Customized settings.

Result

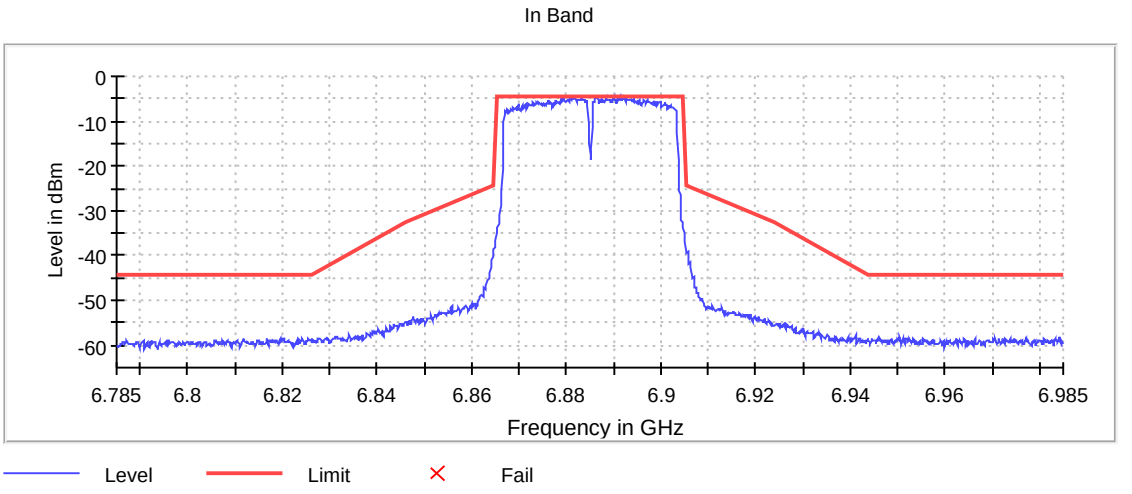
DUT Frequency (MHz)	Result
6885.000000	PASS

Inband Peak

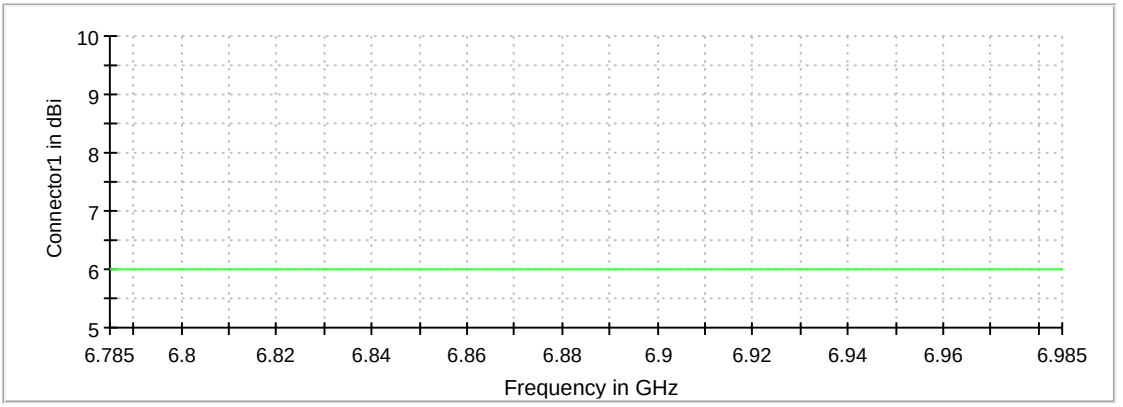
Frequency (MHz)	Level (dBm)
6881.849212	-4.4

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6881.849212	-4.4	0.0	-4.4	PASS
6891.301575	-4.5	0.1	-4.4	PASS
6889.951238	-4.6	0.2	-4.4	PASS
6891.901725	-4.7	0.2	-4.4	PASS
6886.500375	-4.7	0.2	-4.4	PASS
6881.699175	-4.7	0.2	-4.4	PASS
6892.051763	-4.7	0.3	-4.4	PASS
6886.200300	-4.7	0.3	-4.4	PASS
6881.399100	-4.8	0.3	-4.4	PASS
6883.199550	-4.8	0.4	-4.4	PASS
6892.651913	-4.8	0.4	-4.4	PASS
6888.300825	-4.8	0.4	-4.4	PASS
6881.249062	-4.9	0.4	-4.4	PASS
6892.351838	-4.9	0.4	-4.4	PASS
6891.751688	-4.9	0.5	-4.4	PASS

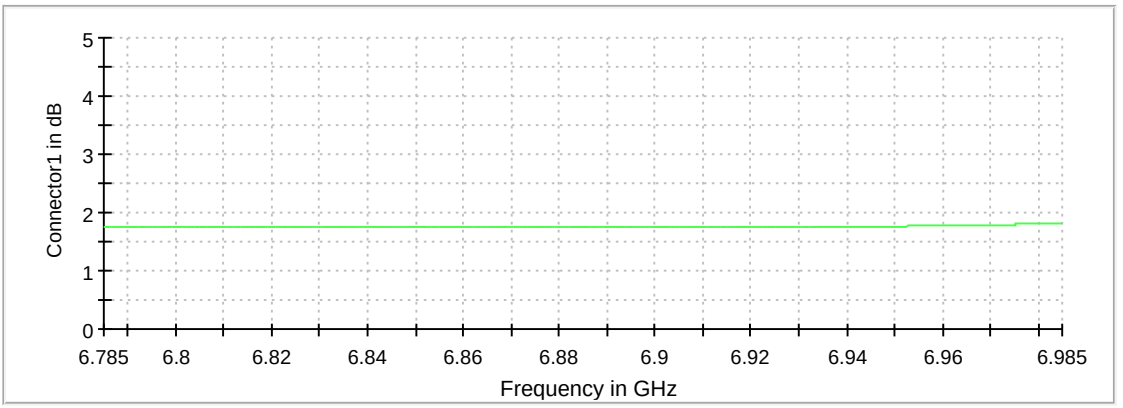


Gain



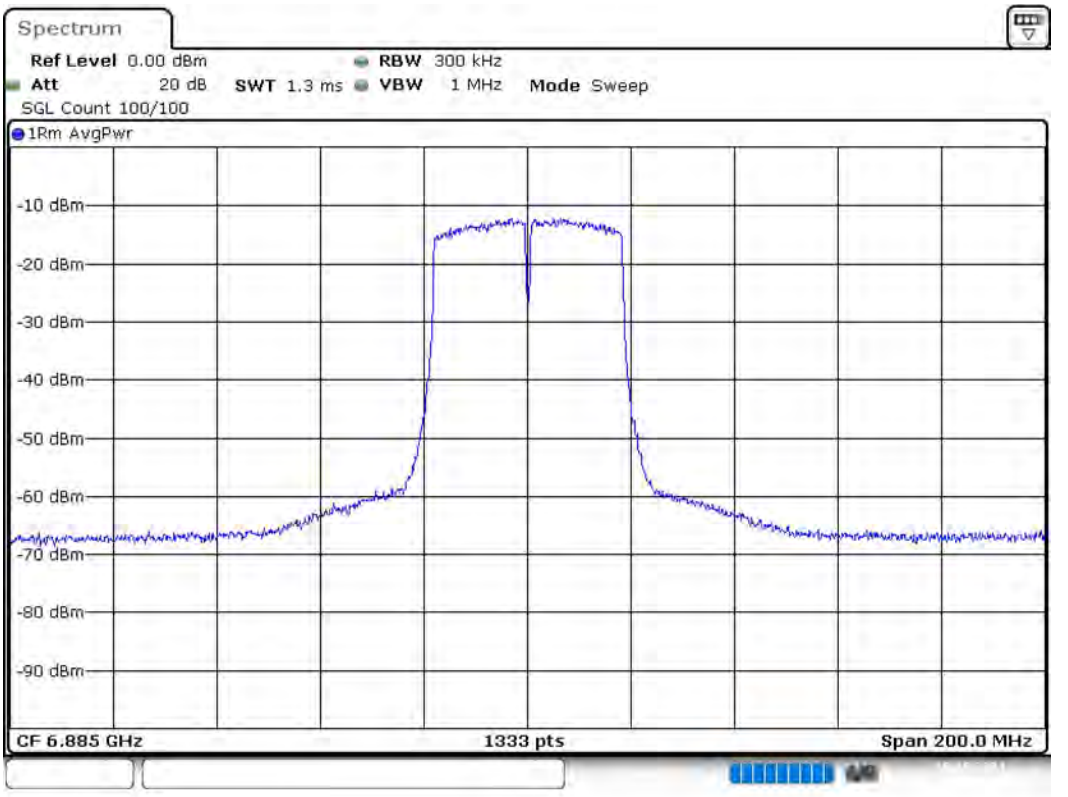
Connector1

Attenuation



Connector1

In Band Connector 1_0


Spectrum
Ref Level 0.00 dBm
RBW 300 kHz
Att 20 dB
SWT 1.3 ms
VBW 1 MHz
Mode Sweep
SGL Count 100/100
1Rm AvgPwr
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
-90 dBm
CF 6.885 GHz
1333 pts
Span 200.0 MHz
Date: 10.MAY.2021 08:54:19

Occupied Channel Bandwidth 99% (6885 MHz; 24.000 dBm; 40 MHz)

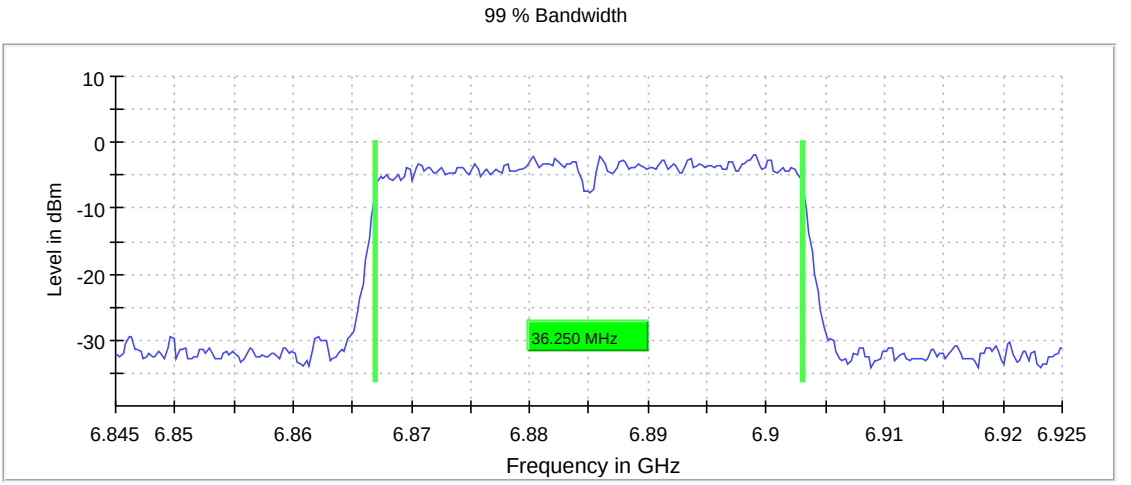
Customized settings.

99 % Bandwidth

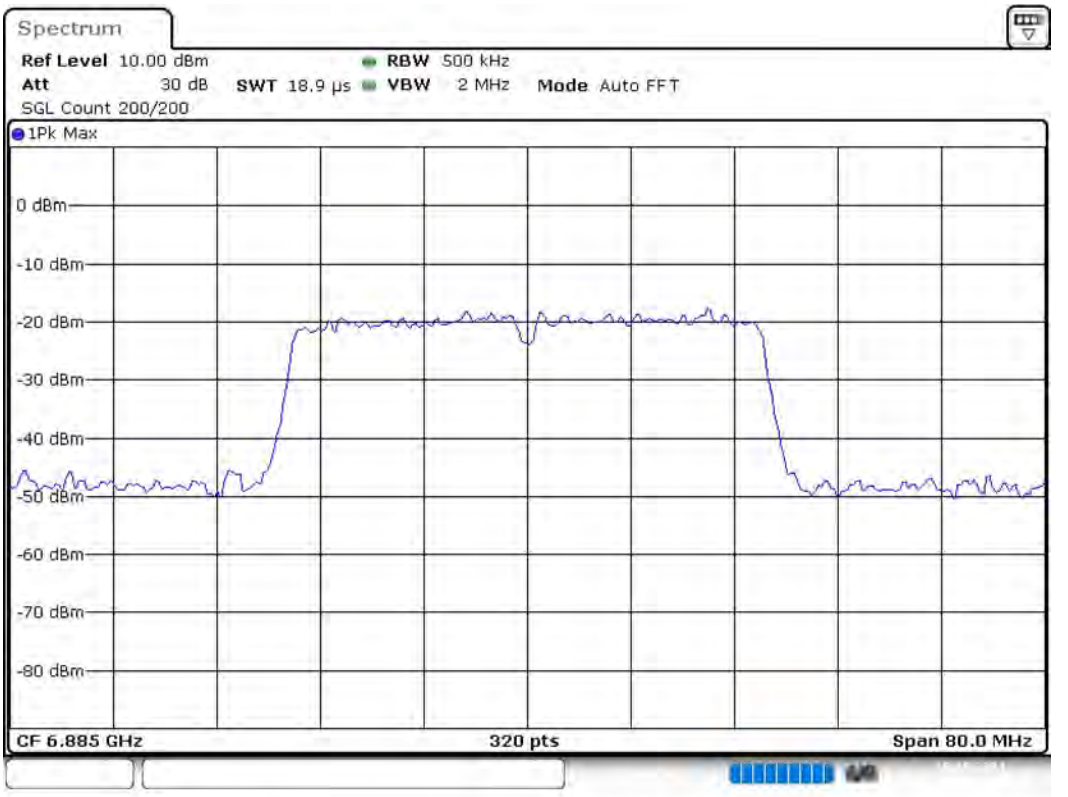
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 7 (MHz)	Bandwidth U-NII 8 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6885.000000	36.250000	8.125000	28.125000	---	320.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6885.000000	6866.875000	5925.000000	6903.125000	7125.000000	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 500 kHz
Att 30 dB
SWT 18.9 µs
VBW 2 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.885 GHz
320 pts
Span 80.0 MHz
Date: 10.MAY.2021 08:54:28

Emission Bandwidth 26 dB (6545 MHz; 24.000 dBm; 80 MHz)

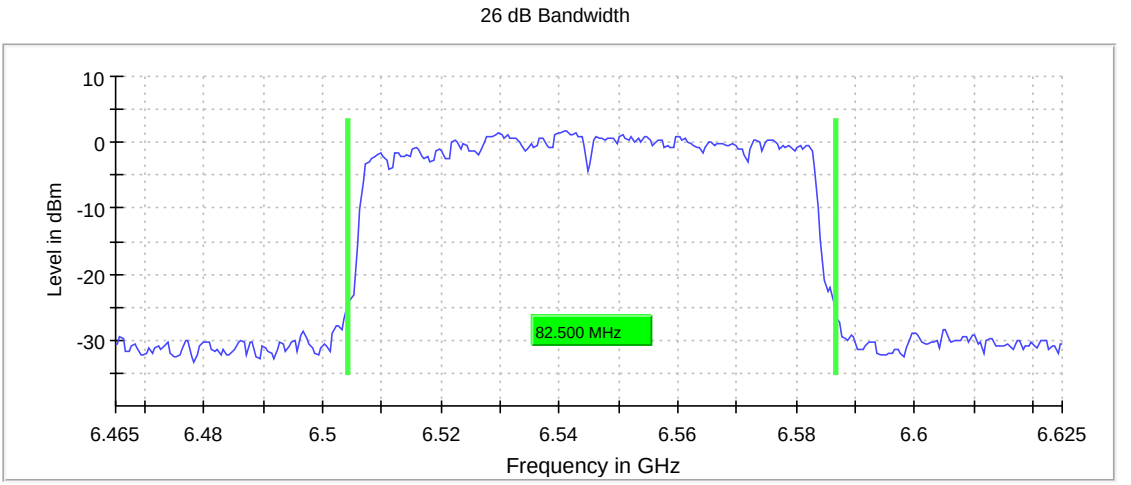
Customized settings.

26 dB Bandwidth

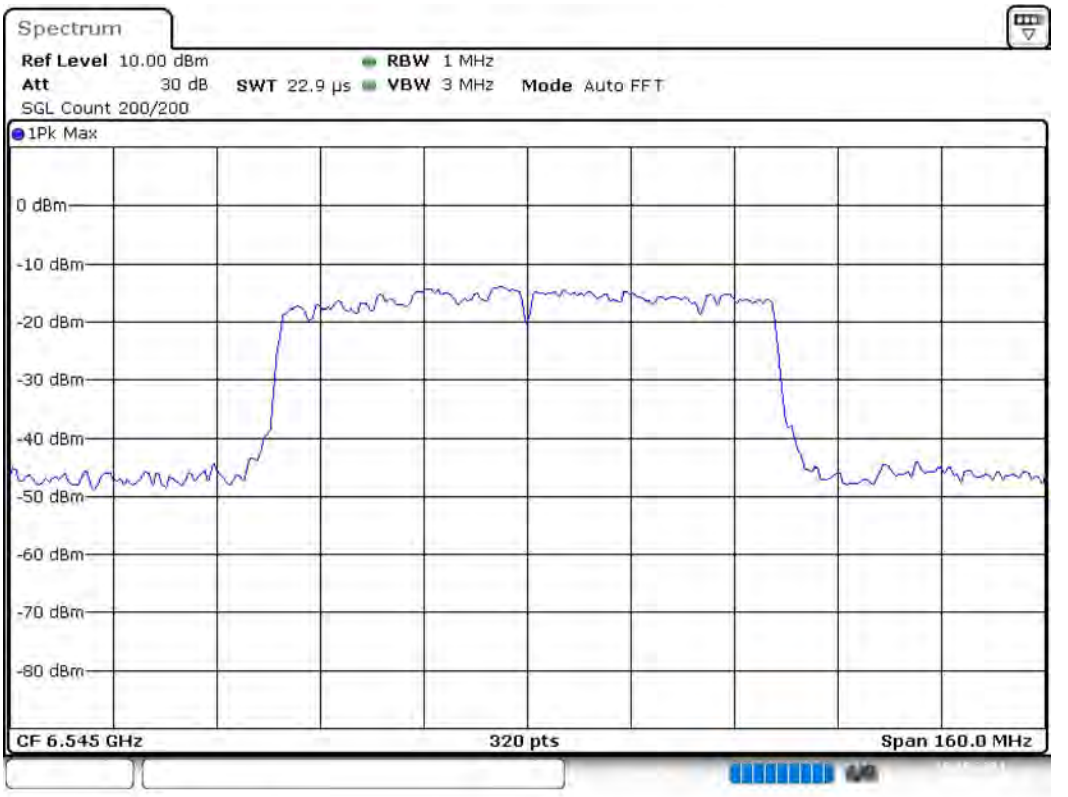
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 6 (MHz)	Bandwidth U-NII 7 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6545.000000	82.500000	20.750000	61.750000	---	320.000000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

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
6545.000000	6504.250000	---	6586.750000	---	1.7	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 1 MHz
Att 30 dB
SWT 22.9 µs
VBW 3 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.545 GHz
320 pts
Span 160.0 MHz
Date: 10.MAY.2021 08:54:49

In-Band Emissions (6545 MHz; 24.000 dBm; 80 MHz)

Customized settings.

Result

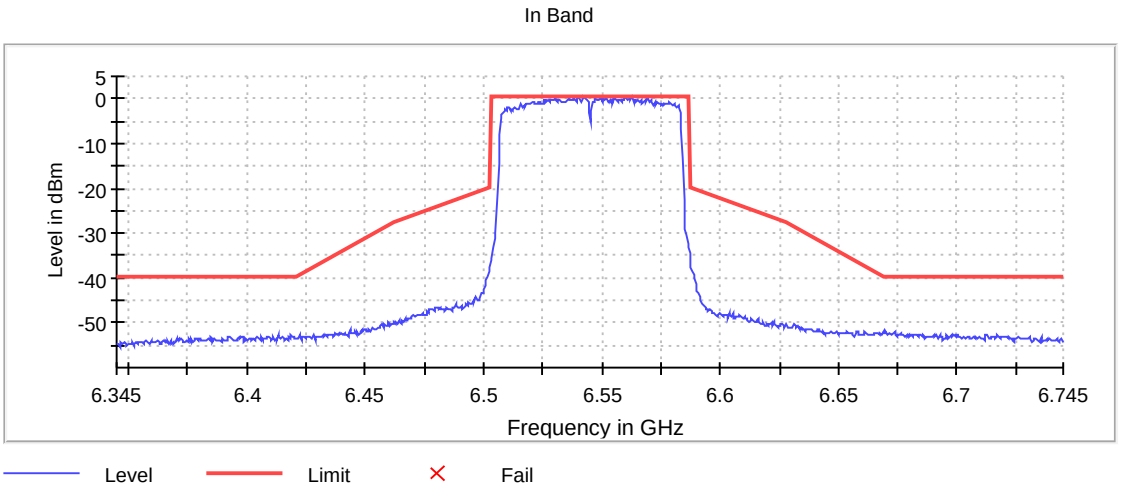
DUT Frequency (MHz)	Result
6545.000000	PASS

Inband Peak

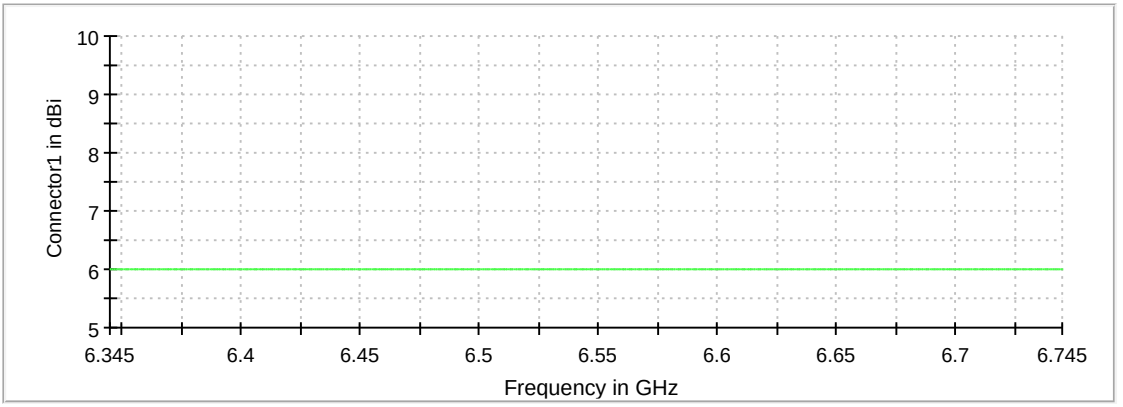
Frequency (MHz)	Level (dBm)
6562.750000	0.4

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6542.250000	0.4	0.0	0.4	PASS
6561.750000	0.2	0.2	0.4	PASS
6552.250000	0.2	0.2	0.4	PASS
6538.250000	0.1	0.3	0.4	PASS
6550.750000	0.1	0.3	0.4	PASS
6543.250000	0.1	0.3	0.4	PASS
6549.250000	0.1	0.3	0.4	PASS
6539.750000	0.1	0.3	0.4	PASS
6542.750000	0.0	0.4	0.4	PASS
6541.750000	0.0	0.4	0.4	PASS
6569.250000	0.0	0.4	0.4	PASS
6560.250000	0.0	0.4	0.4	PASS
6555.250000	0.0	0.4	0.4	PASS
6540.750000	0.0	0.4	0.4	PASS
6551.750000	0.0	0.4	0.4	PASS

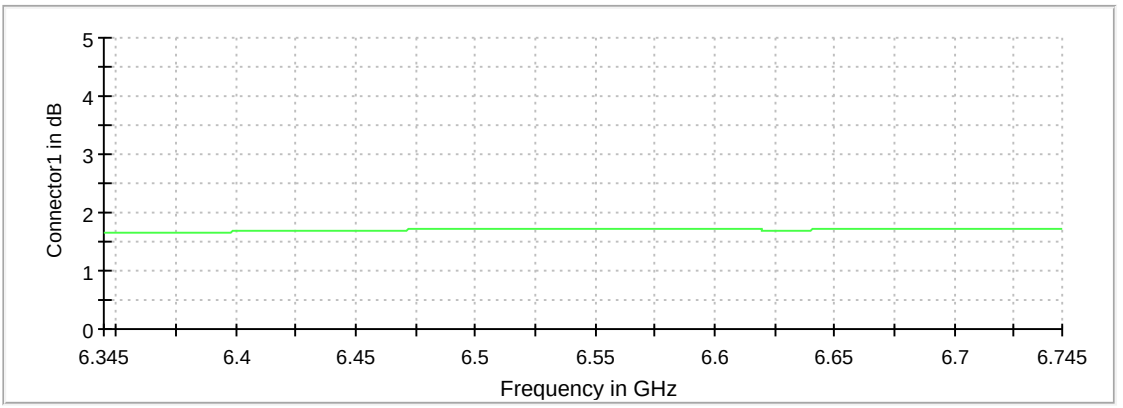


Gain



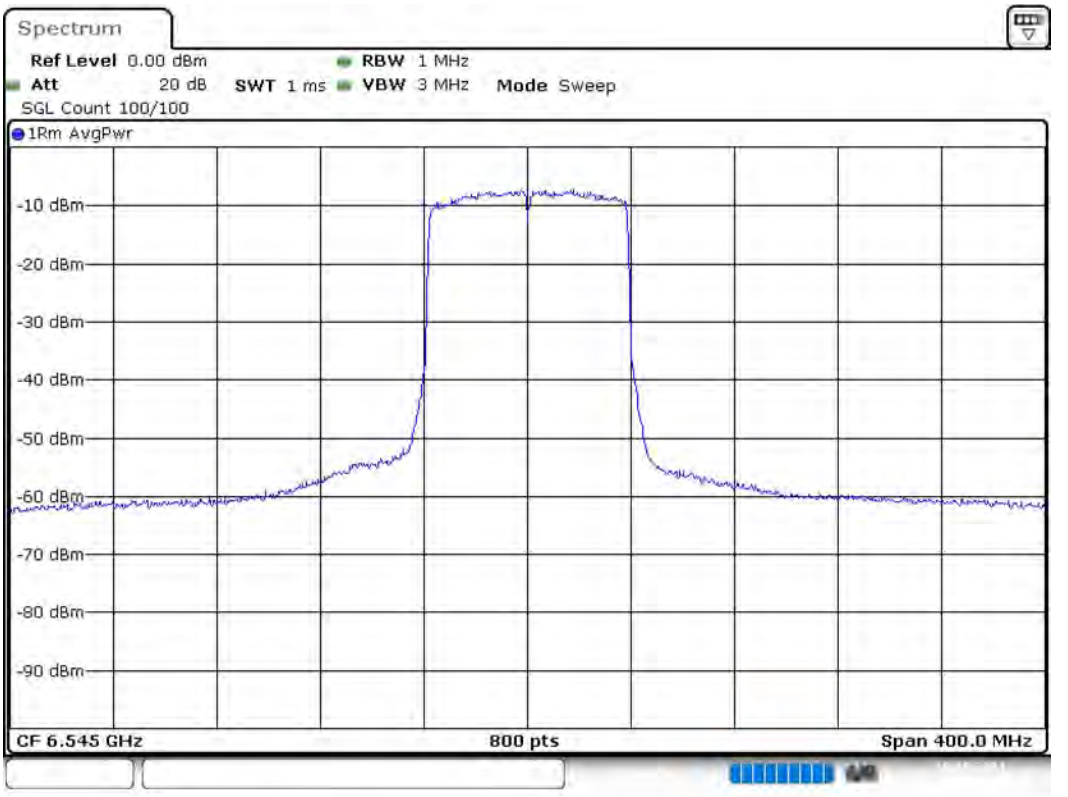
Connector1

Attenuation



Connector1

In Band Connector 1_0


Spectrum
Ref Level 0.00 dBm
RBW 1 MHz
Att 20 dB
SWT 1 ms
VBW 3 MHz
Mode Sweep
SGL Count 100/100
1Rm AvgPwr
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
-90 dBm
CF 6.545 GHz
800 pts
Span 400.0 MHz
Date: 10.MAY.2021 08:55:44

Occupied Channel Bandwidth 99% (6545 MHz; 24.000 dBm; 80 MHz)

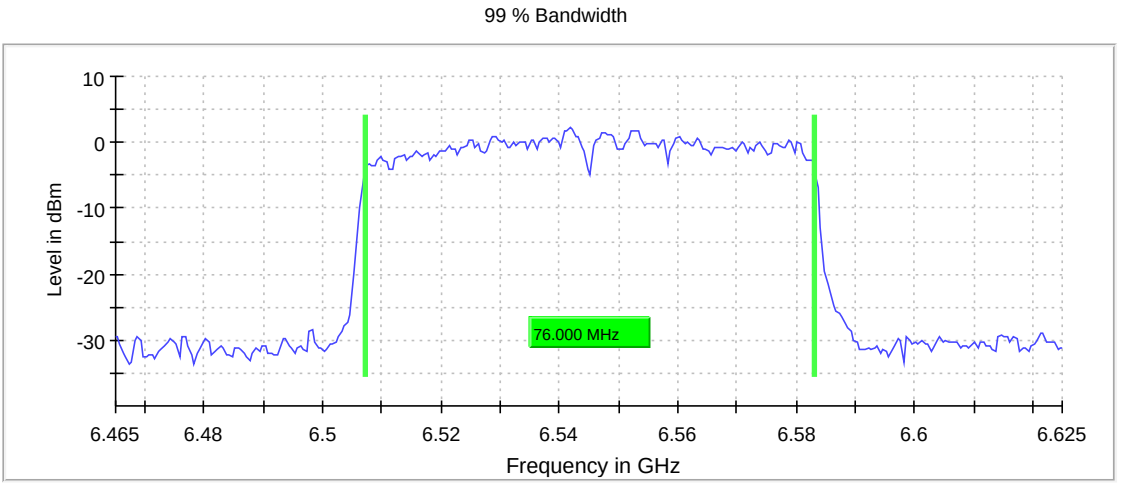
Customized settings.

99 % Bandwidth

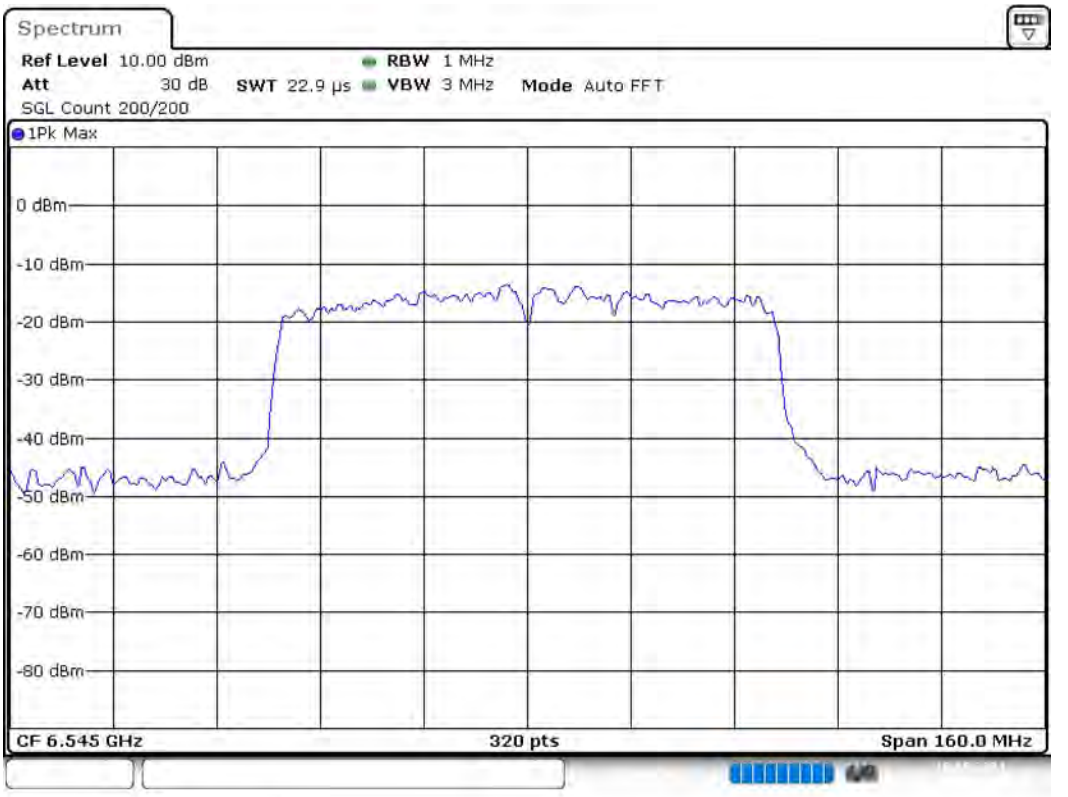
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 6 (MHz)	Bandwidth U-NII 7 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6545.000000	76.000000	17.750000	58.250000	---	320.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6545.000000	6507.250000	5925.000000	6583.250000	7125.000000	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 1 MHz
Att 30 dB
SWT 22.9 µs
VBW 3 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.545 GHz
320 pts
Span 160.0 MHz
Date: 10.MAY.2021 08:55:55

Emission Bandwidth 26 dB (6705 MHz; 24.000 dBm; 80 MHz)

Customized settings.

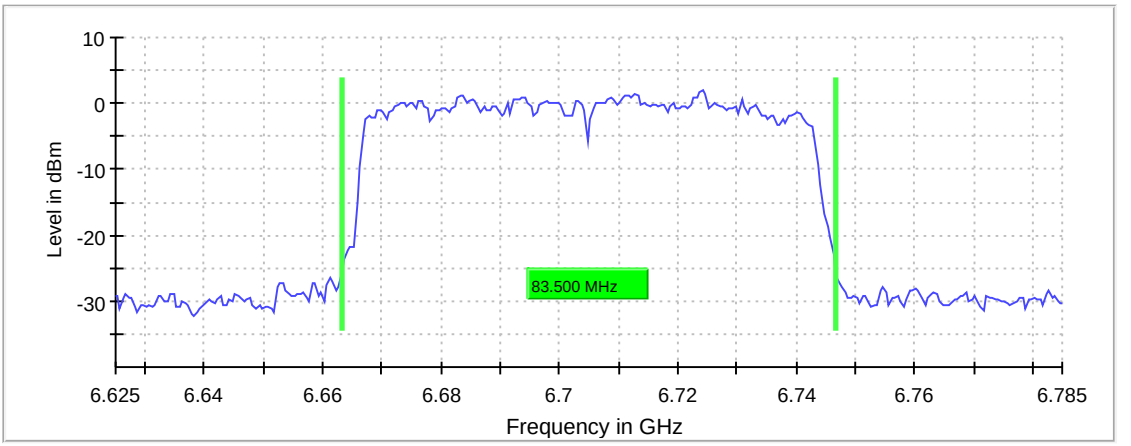
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6705.000000	83.500000	---	320.000000	6663.250000	---

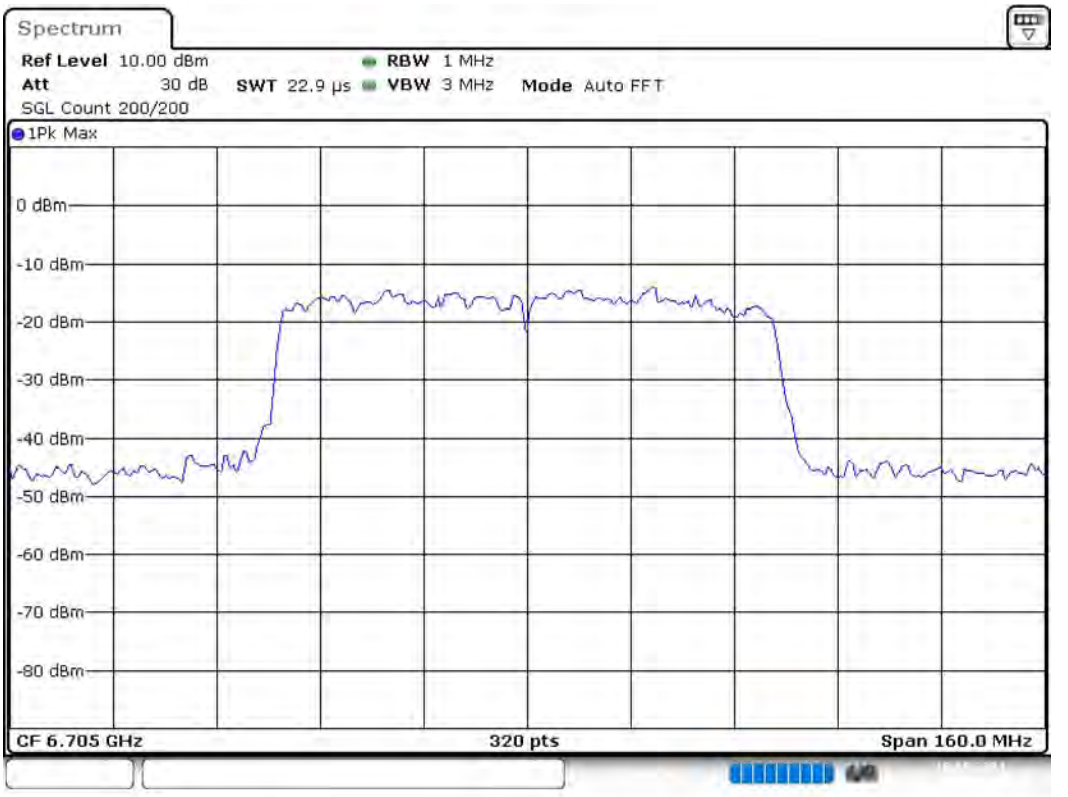
(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6705.000000	6746.750000	---	2.0	PASS

26 dB Bandwidth



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 1 MHz
Att 30 dB
SWT 22.9 µs
VBW 3 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.705 GHz
320 pts
Span 160.0 MHz
Date: 10.MAY.2021 08:56:56

In-Band Emissions (6705 MHz; 24.000 dBm; 80 MHz)

Customized settings.

Result

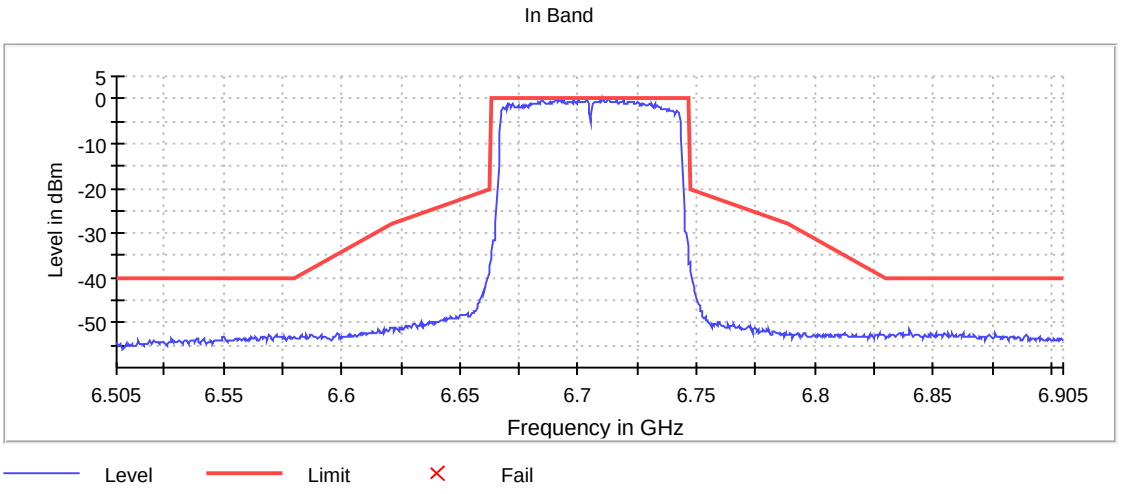
DUT Frequency (MHz)	Result
6705.000000	PASS

Inband Peak

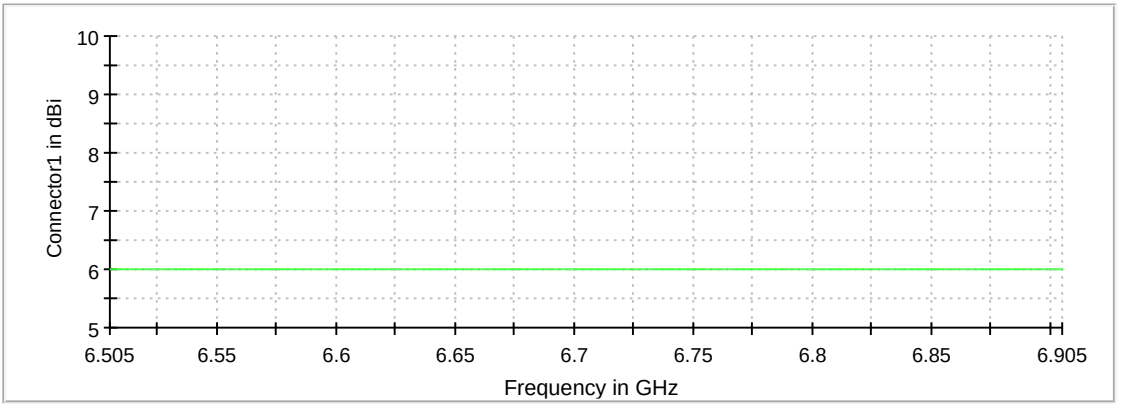
Frequency (MHz)	Level (dBm)
6712.750000	0.0

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6712.750000	0.0	0.0	0.0	PASS
6710.750000	-0.1	0.1	0.0	PASS
6692.250000	-0.2	0.2	0.0	PASS
6703.750000	-0.3	0.3	0.0	PASS
6691.250000	-0.3	0.3	0.0	PASS
6716.250000	-0.3	0.3	0.0	PASS
6690.750000	-0.3	0.3	0.0	PASS
6690.250000	-0.3	0.3	0.0	PASS
6694.250000	-0.4	0.4	0.0	PASS
6710.250000	-0.4	0.4	0.0	PASS
6698.250000	-0.4	0.4	0.0	PASS
6700.250000	-0.4	0.4	0.0	PASS
6709.250000	-0.5	0.5	0.0	PASS
6684.750000	-0.5	0.5	0.0	PASS
6719.250000	-0.5	0.5	0.0	PASS

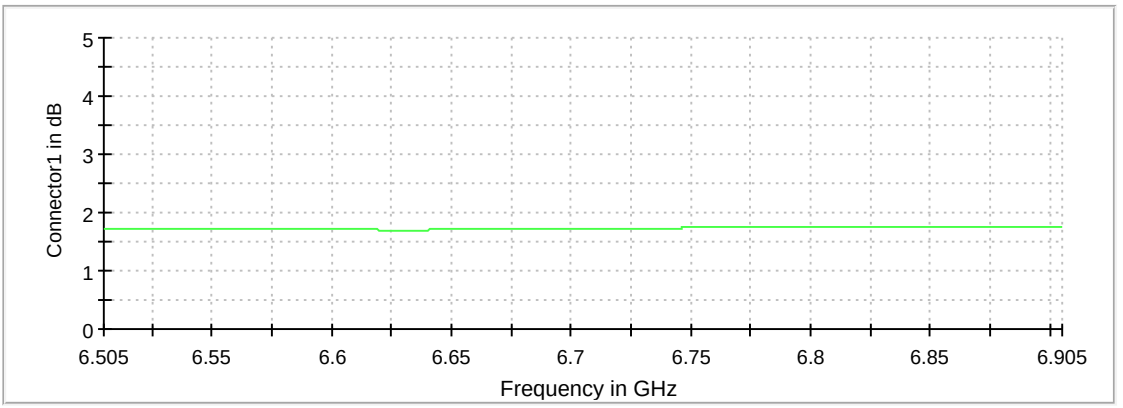


Gain



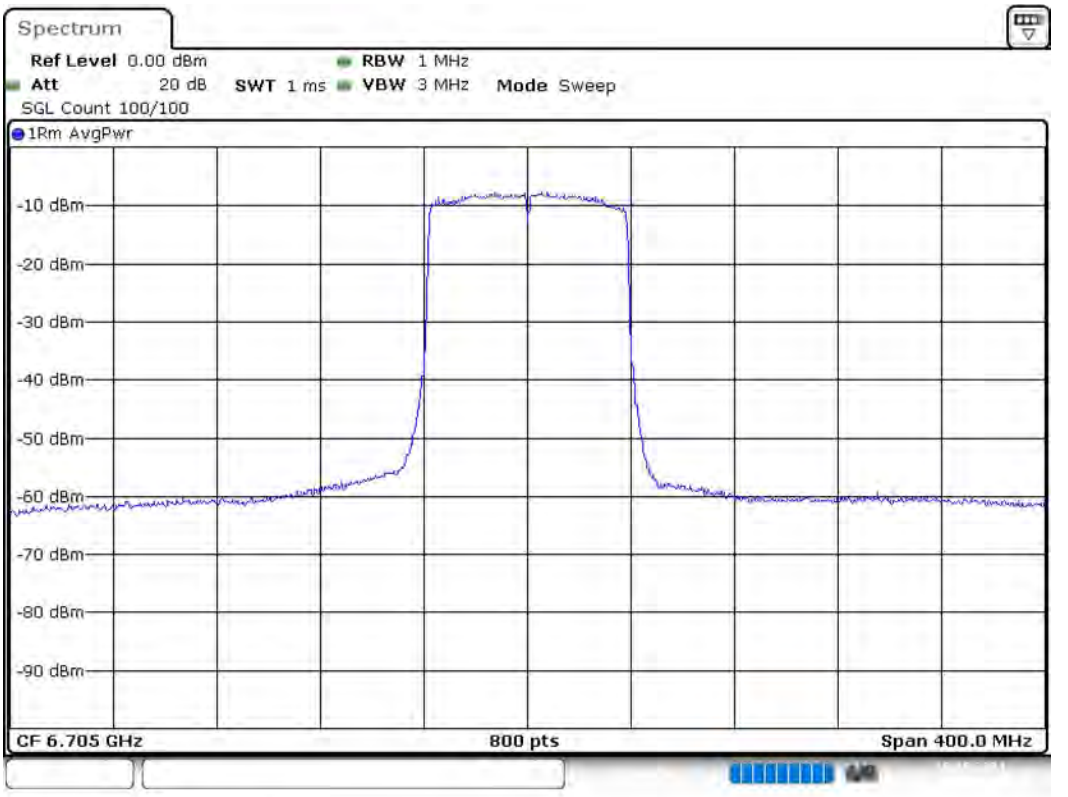
Connector1

Attenuation



Connector1

In Band Connector 1_0


Spectrum
Ref Level 0.00 dBm
RBW 1 MHz
Att 20 dB
SWT 1 ms
VBW 3 MHz
Mode Sweep
SGL Count 100/100
1Rm AvgPwr
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
-90 dBm
CF 6.705 GHz
800 pts
Span 400.0 MHz
Date: 10.MAY.2021 08:57:51

Occupied Channel Bandwidth 99% (6705 MHz; 24.000 dBm; 80 MHz)

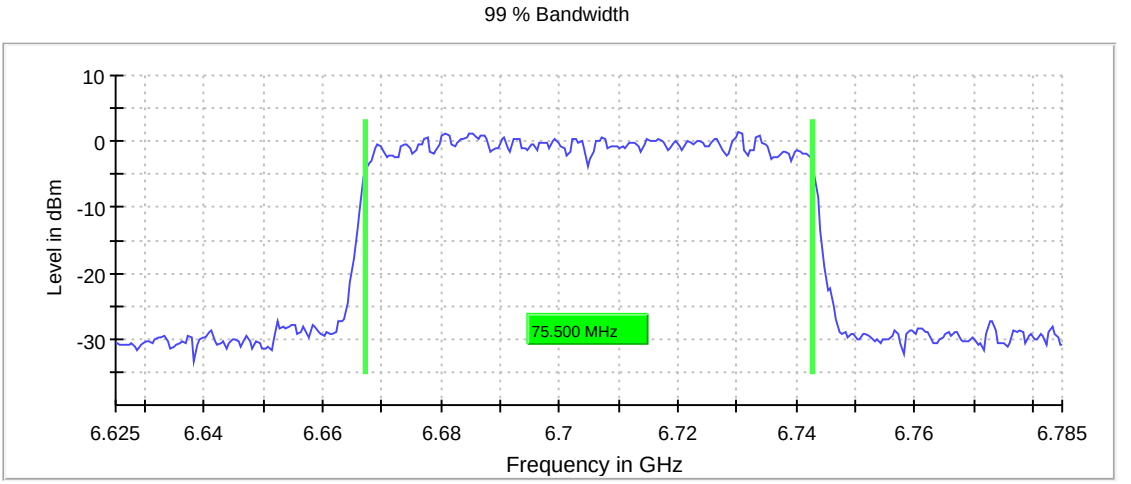
Customized settings.

99 % Bandwidth

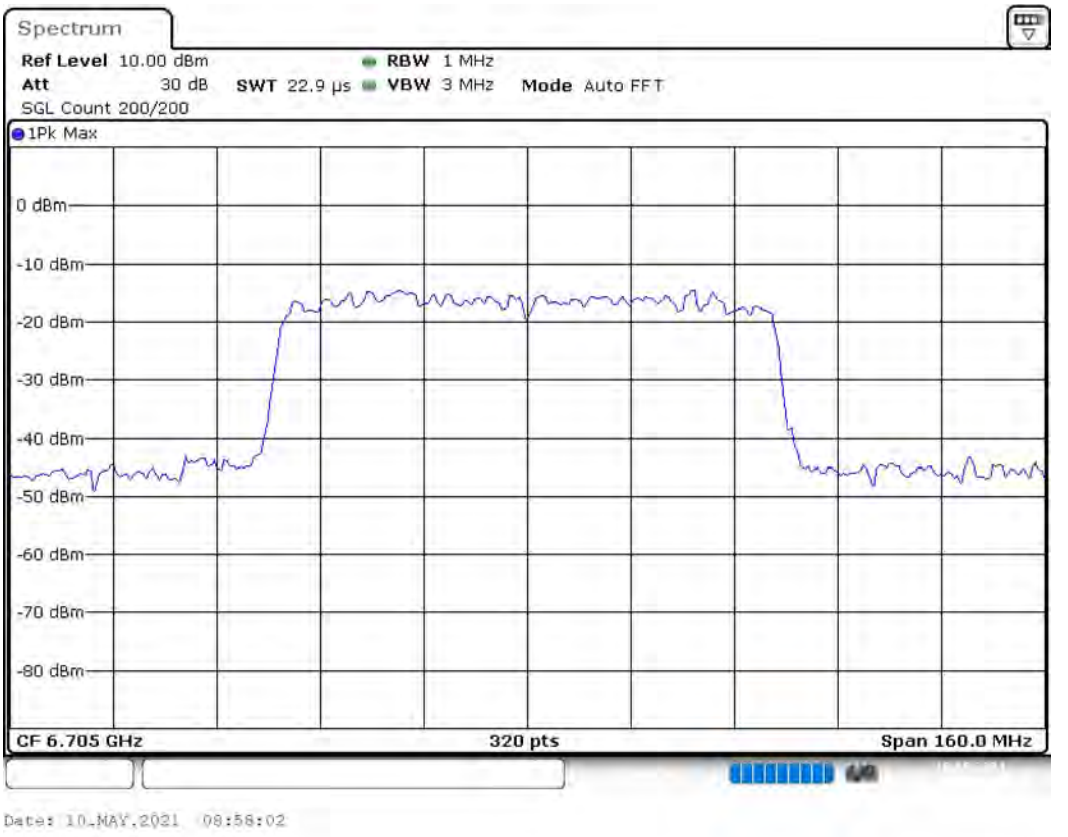
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6705.000000	75.500000	---	320.000000	6667.250000	5925.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6705.000000	6742.750000	7125.000000	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 1 MHz
Att 30 dB
SWT 22.9 µs
VBW 3 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.705 GHz
320 pts
Span 160.0 MHz
Date: 10.MAY.2021 08:58:02

Emission Bandwidth 26 dB (6865 MHz; 24.000 dBm; 80 MHz)

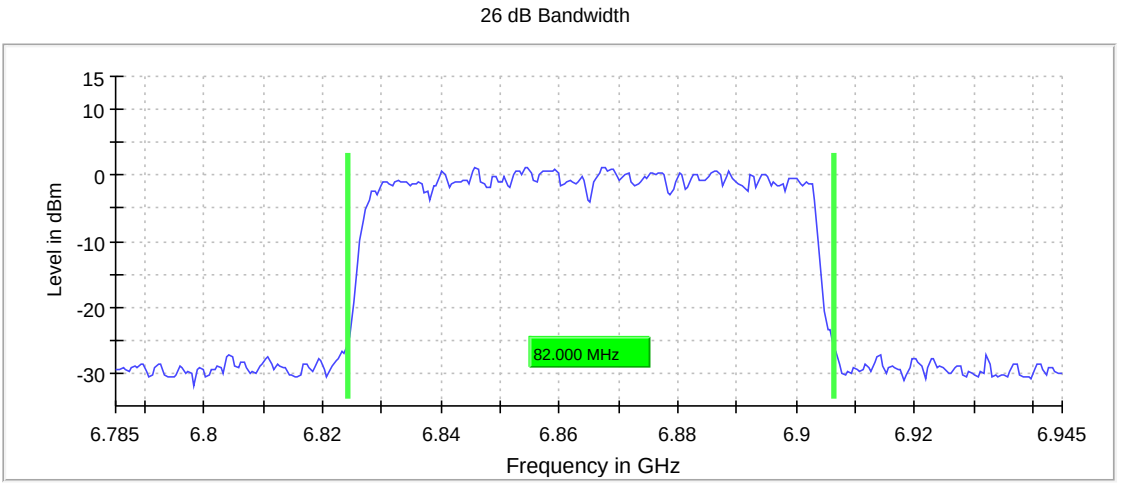
Customized settings.

26 dB Bandwidth

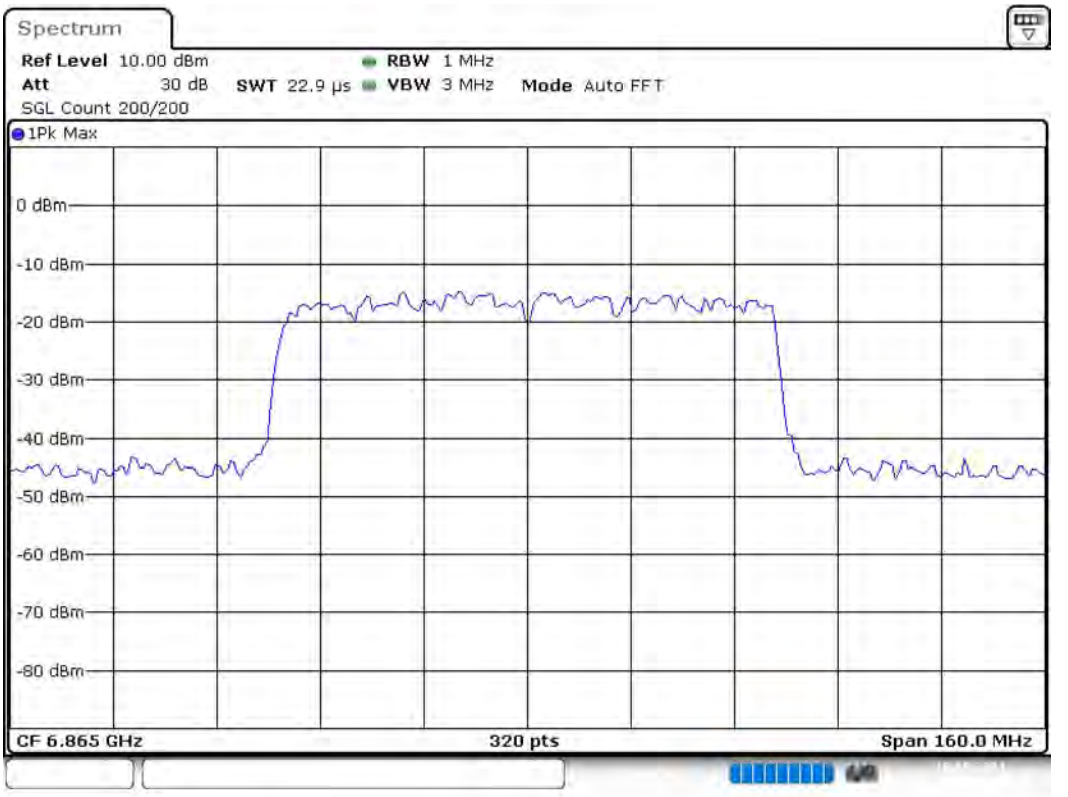
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 7 (MHz)	Bandwidth U-NII 8 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6865.000000	82.000000	50.750000	31.250000	---	320.000000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

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
6865.000000	6824.250000	---	6906.250000	---	1.3	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 1 MHz
Att 30 dB
SWT 22.9 µs
VBW 3 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.865 GHz
320 pts
Span 160.0 MHz
Date: 10.MAY.2021 08:58:41

In-Band Emissions (6865 MHz; 24.000 dBm; 80 MHz)

Customized settings.

Result

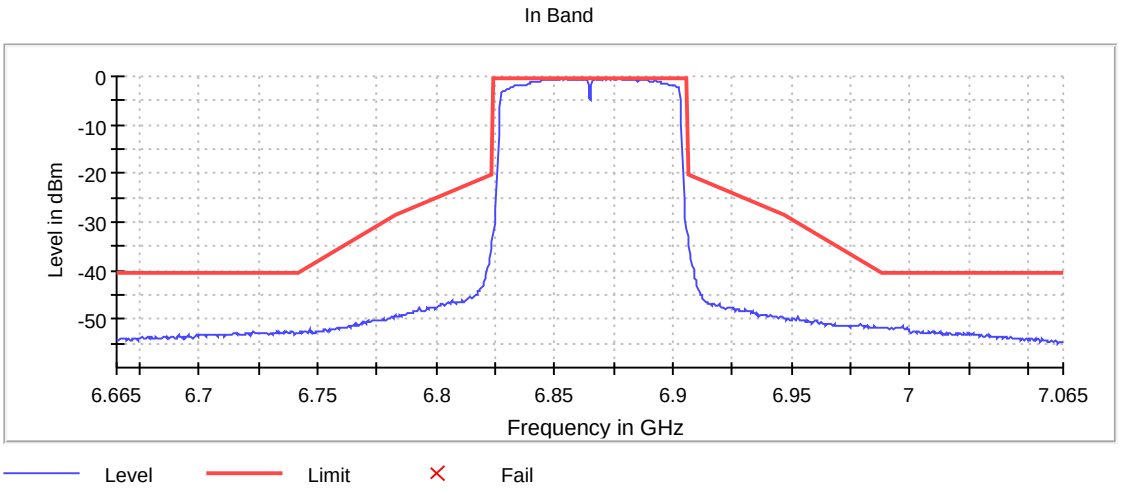
DUT Frequency (MHz)	Result
6865.000000	PASS

Inband Peak

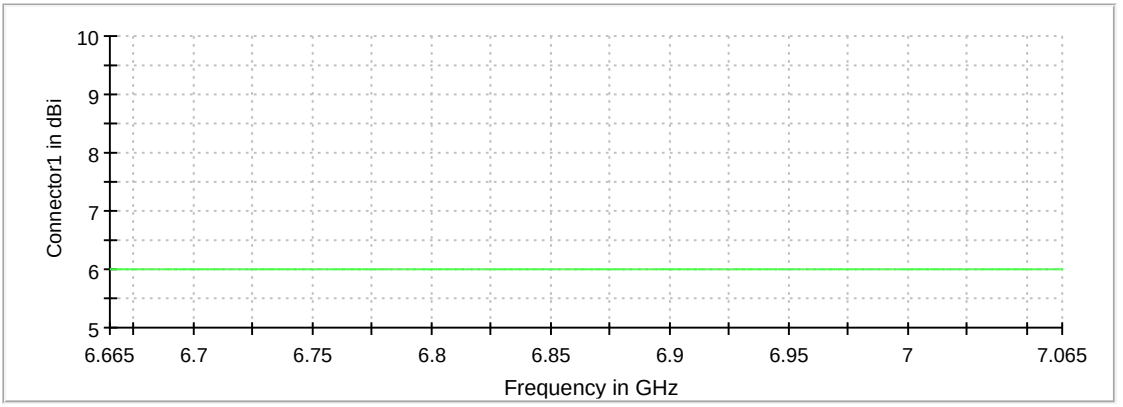
Frequency (MHz)	Level (dBm)
6853.250000	-0.4

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6853.250000	-0.4	0.0	-0.4	PASS
6852.750000	-0.4	0.0	-0.4	PASS
6851.750000	-0.4	0.0	-0.4	PASS
6871.250000	-0.4	0.0	-0.4	PASS
6872.750000	-0.4	0.1	-0.4	PASS
6853.750000	-0.4	0.1	-0.4	PASS
6874.750000	-0.5	0.1	-0.4	PASS
6873.750000	-0.5	0.1	-0.4	PASS
6871.750000	-0.5	0.1	-0.4	PASS
6854.750000	-0.5	0.1	-0.4	PASS
6877.750000	-0.5	0.2	-0.4	PASS
6876.750000	-0.5	0.2	-0.4	PASS
6874.250000	-0.5	0.2	-0.4	PASS
6880.750000	-0.5	0.2	-0.4	PASS
6867.750000	-0.5	0.2	-0.4	PASS

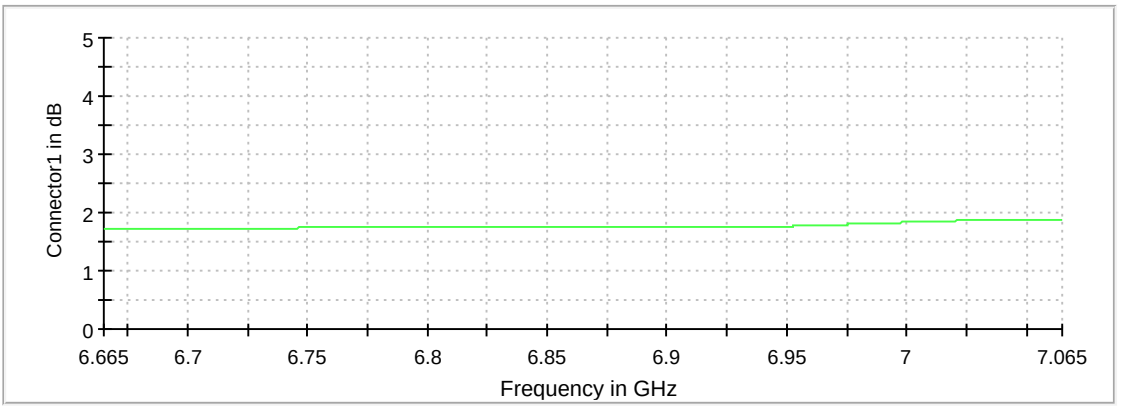


Gain



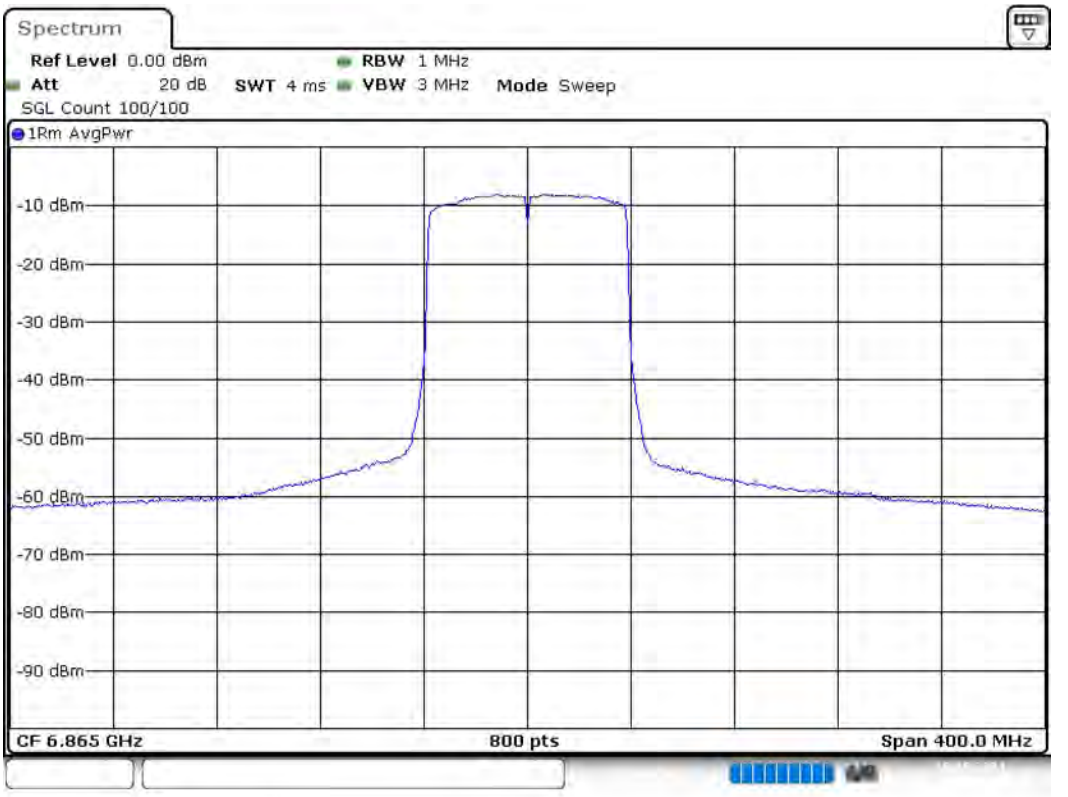
Connector1

Attenuation



Connector1

In Band Connector 1_0


Spectrum
Ref Level 0.00 dBm
RBW 1 MHz
Att 20 dB
SWT 4 ms
VBW 3 MHz
Mode Sweep
SGL Count 100/100
1Rm AvgPwr
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
-90 dBm
CF 6.865 GHz
800 pts
Span 400.0 MHz
Date: 10.MAY.2021 08:59:39

Occupied Channel Bandwidth 99% (6865 MHz; 24.000 dBm; 80 MHz)

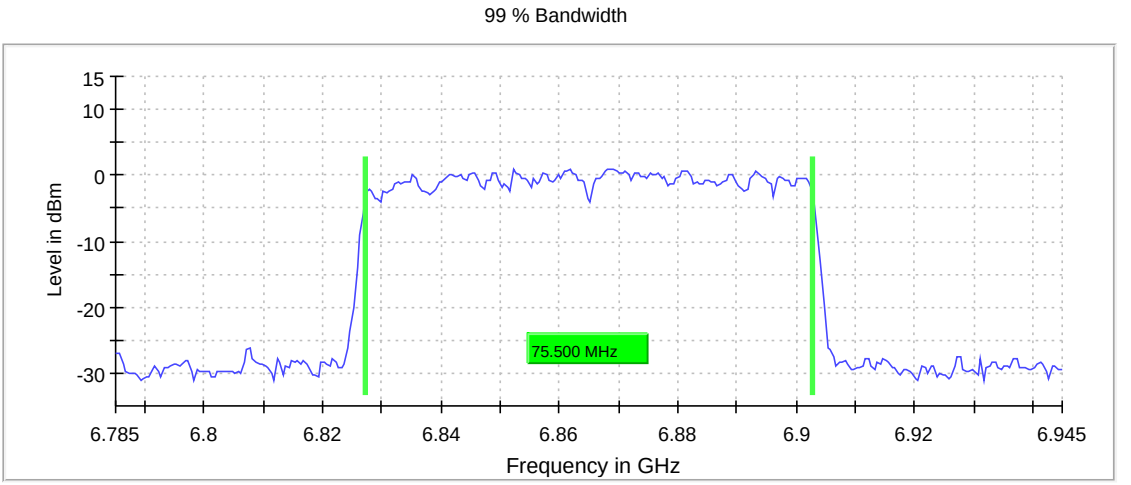
Customized settings.

99 % Bandwidth

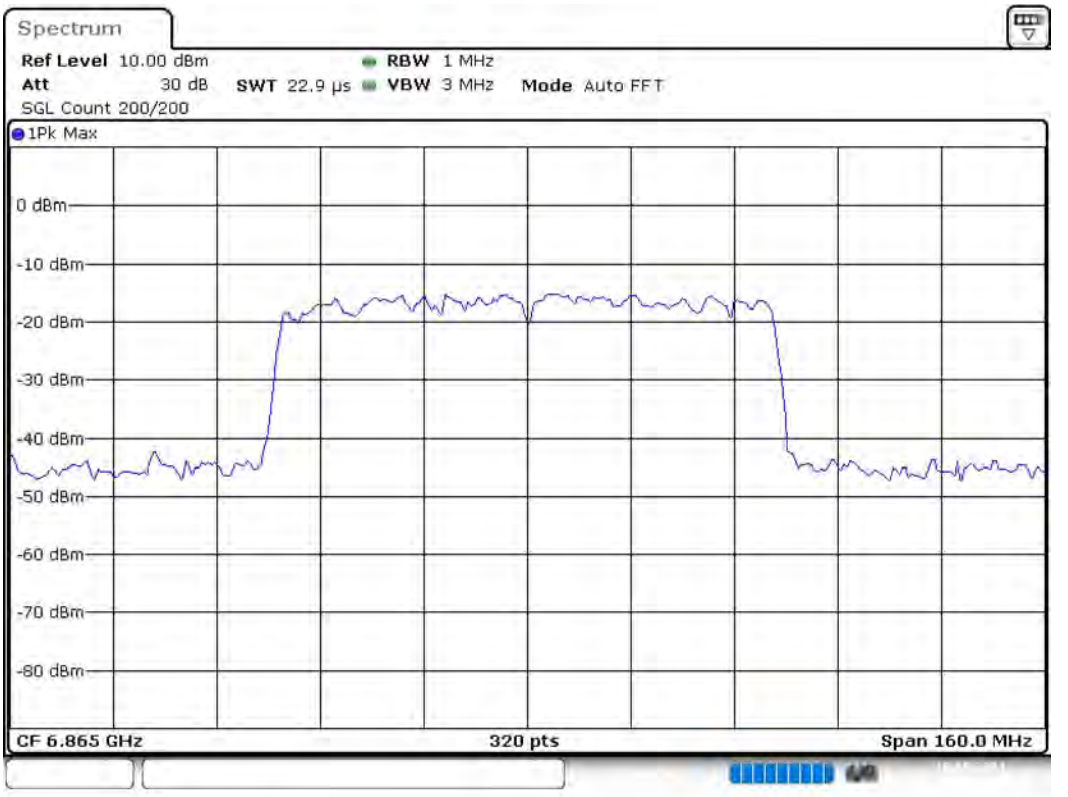
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 7 (MHz)	Bandwidth U-NII 8 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6865.000000	75.500000	47.750000	27.750000	---	320.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6865.000000	6827.250000	5925.000000	6902.750000	7125.000000	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 1 MHz
Att 30 dB
SWT 22.9 µs
VBW 3 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.865 GHz
320 pts
Span 160.0 MHz
Date: 10.MAY.2021 08:59:50

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

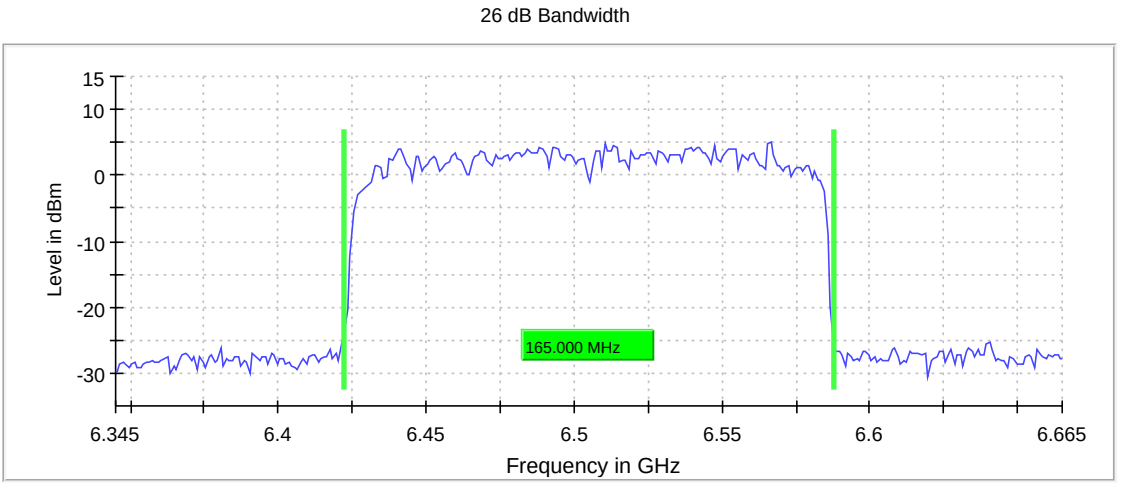
Customized settings.

26 dB Bandwidth

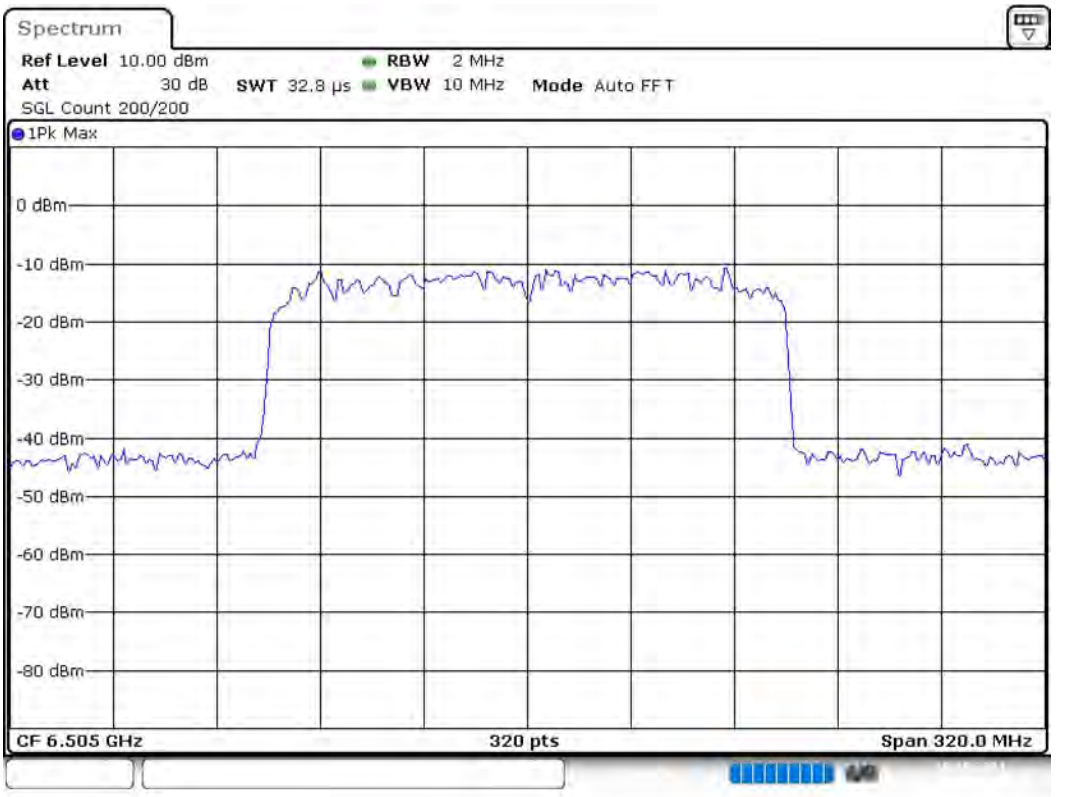
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 6 (MHz)	Bandwidth U-NII 7 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6505.000000	165.000000	102.500000	62.500000	---	320.000000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

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	6422.500000	---	6587.500000	---	4.9	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 2 MHz
Att 30 dB
SWT 32.8 µs
VBW 10 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.505 GHz
320 pts
Span 320.0 MHz
Date: 10.MAY.2021 09:00:12

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

Customized settings.

Result

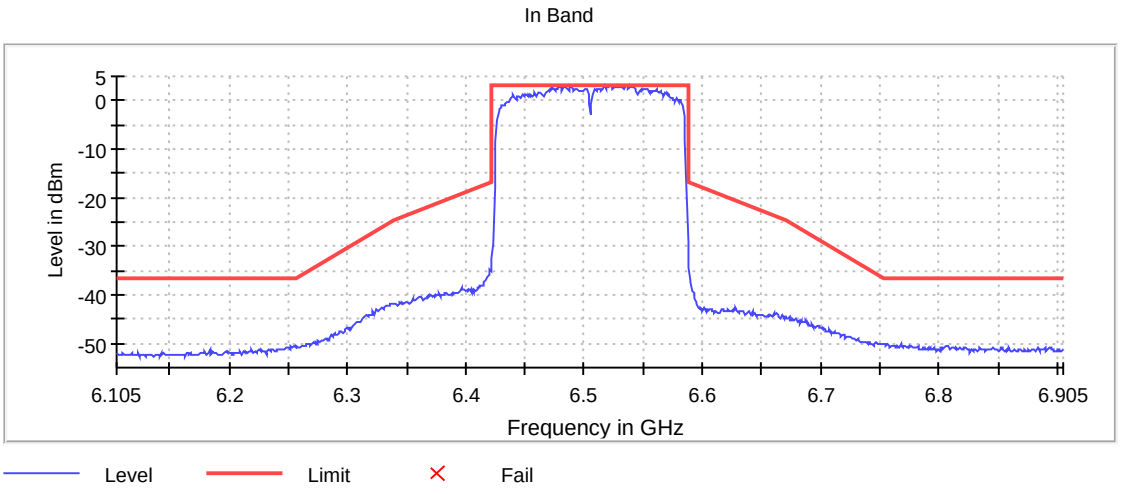
DUT Frequency (MHz)	Result
6505.000000	PASS

Inband Peak

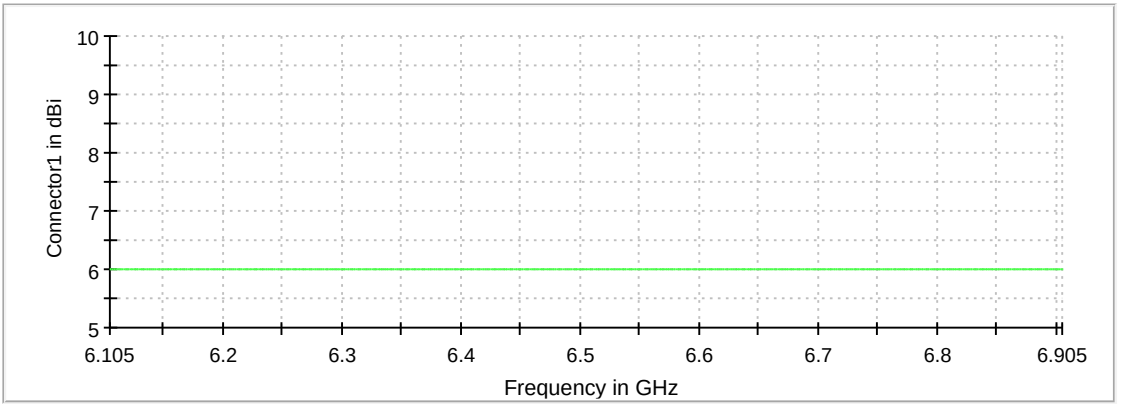
Frequency (MHz)	Level (dBm)
6521.500000	3.2

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6521.500000	3.2	0.0	3.2	PASS
6488.500000	3.2	0.0	3.2	PASS
6536.500000	3.2	0.0	3.2	PASS
6535.500000	3.1	0.1	3.2	PASS
6519.500000	3.1	0.1	3.2	PASS
6529.500000	3.1	0.1	3.2	PASS
6517.500000	3.0	0.2	3.2	PASS
6522.500000	3.0	0.2	3.2	PASS
6539.500000	2.9	0.3	3.2	PASS
6531.500000	2.9	0.3	3.2	PASS
6541.500000	2.9	0.3	3.2	PASS
6520.500000	2.9	0.3	3.2	PASS
6483.500000	2.9	0.3	3.2	PASS
6473.500000	2.8	0.4	3.2	PASS
6528.500000	2.8	0.4	3.2	PASS

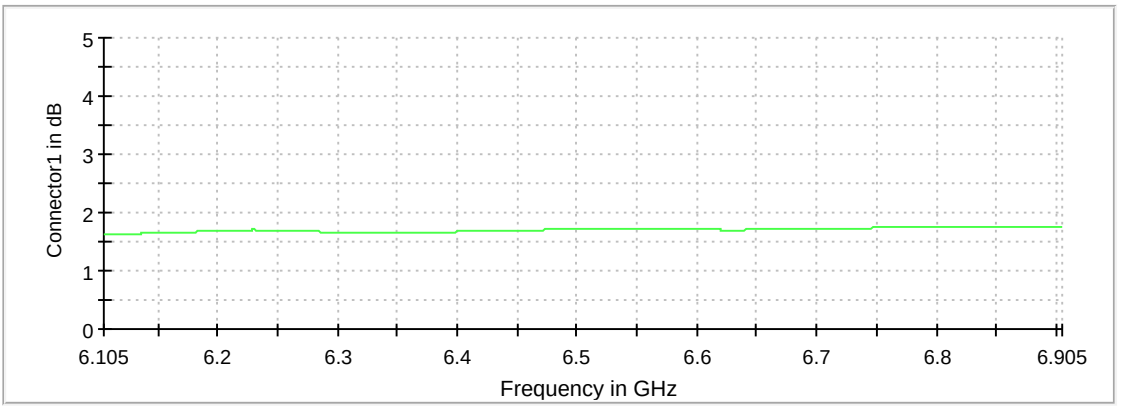


Gain



Connector1

Attenuation



Connector1

In Band Connector 1_0


Spectrum
Ref Level 0.00 dBm
RBW 2 MHz
Att 20 dB
SWT 1 ms
VBW 5 MHz
Mode Sweep
SGL Count 100/100
1Rm AvgPwr
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
-90 dBm
CF 6.505 GHz
800 pts
Span 800.0 MHz
Date: 10.MAY.2021 09:01:09

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

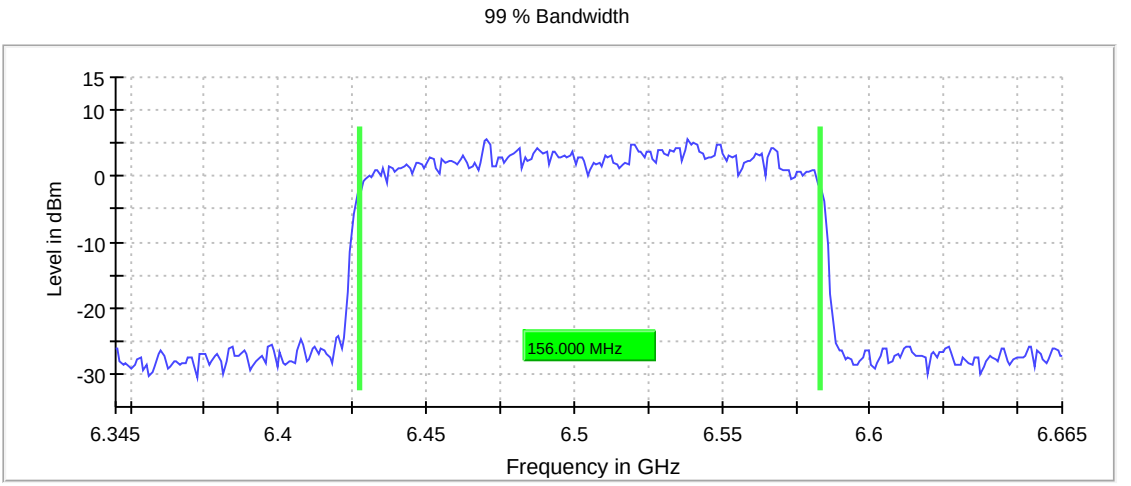
Customized settings.

99 % Bandwidth

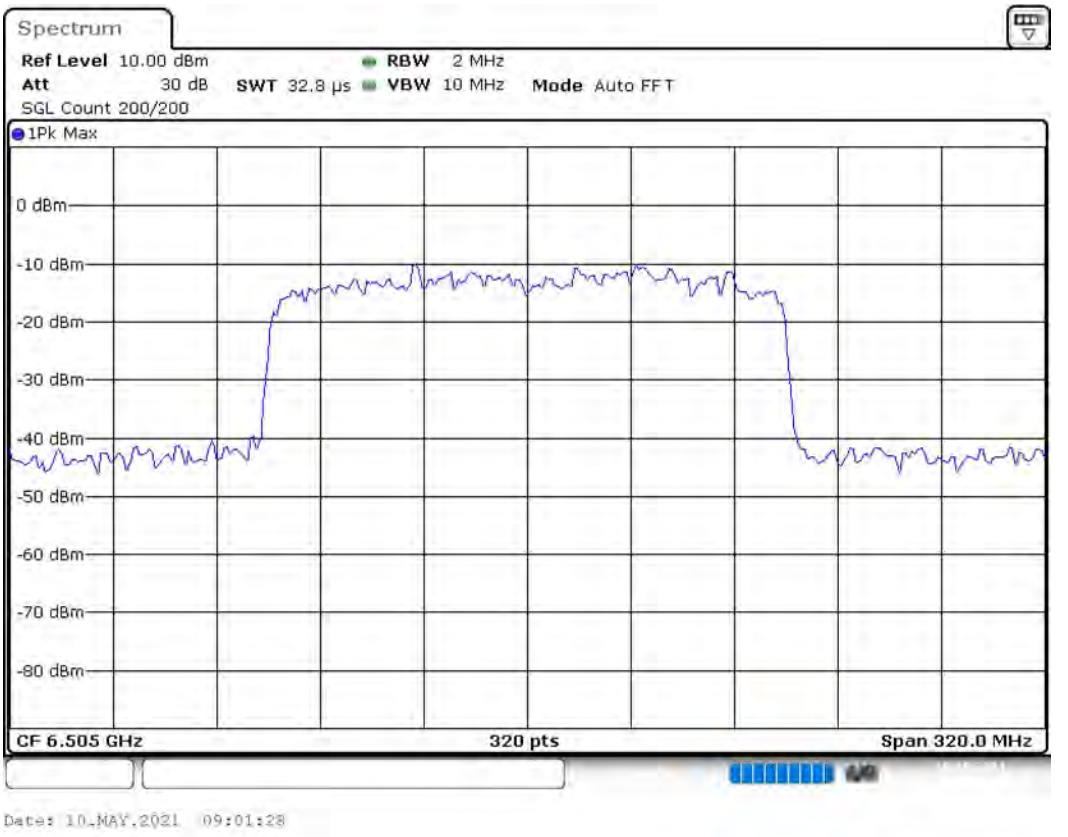
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 6 (MHz)	Bandwidth U-NII 7 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6505.000000	156.000000	97.500000	58.500000	---	320.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6505.000000	6427.500000	5925.000000	6583.500000	7125.000000	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 2 MHz
Att 30 dB
SWT 32.8 µs
VBW 10 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.505 GHz
320 pts
Span 320.0 MHz
Date: 10.MAY.2021 09:01:28

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

Customized settings.

Result

DUT Frequency (MHz)	Result
6505.000000	PASS

Final measurements

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

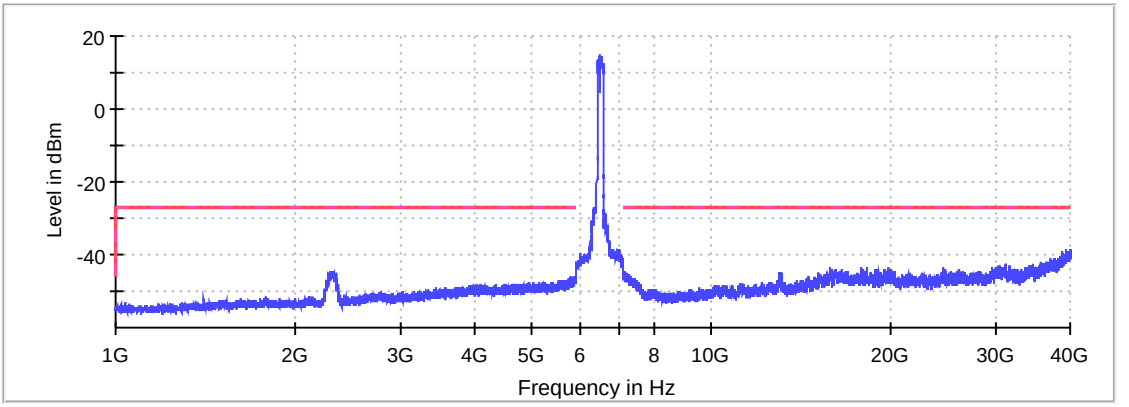
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
1000.000000	-55.0	9.1	-45.9
39910.750000	-38.3	11.3	-27.0
39893.250000	-38.5	11.5	-27.0
39897.250000	-38.5	11.5	-27.0
39912.750000	-38.5	11.5	-27.0
39535.250000	-38.6	11.6	-27.0
39861.750000	-38.7	11.7	-27.0
39891.250000	-38.7	11.7	-27.0
39882.250000	-38.8	11.8	-27.0
39884.750000	-38.8	11.8	-27.0
39986.250000	-38.8	11.8	-27.0
39901.250000	-38.8	11.8	-27.0
39879.250000	-38.8	11.8	-27.0
39884.250000	-38.9	11.9	-27.0
39939.250000	-38.9	11.9	-27.0

Measurement Settings

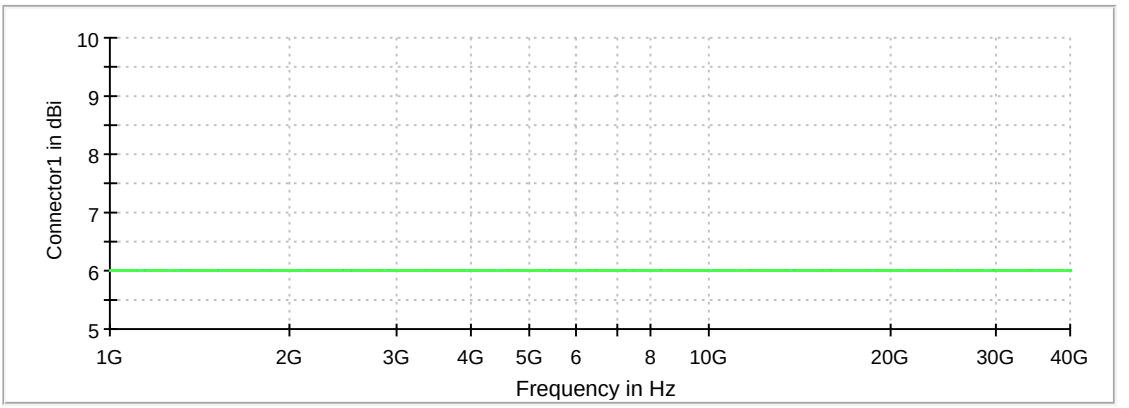
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	2	2
5925.000000	7125.000000	2	2
7125.000000	18000.000000	2	2
18000.000000	26000.000000	2	2
26000.000000	40000.000000	2	2

Spurious



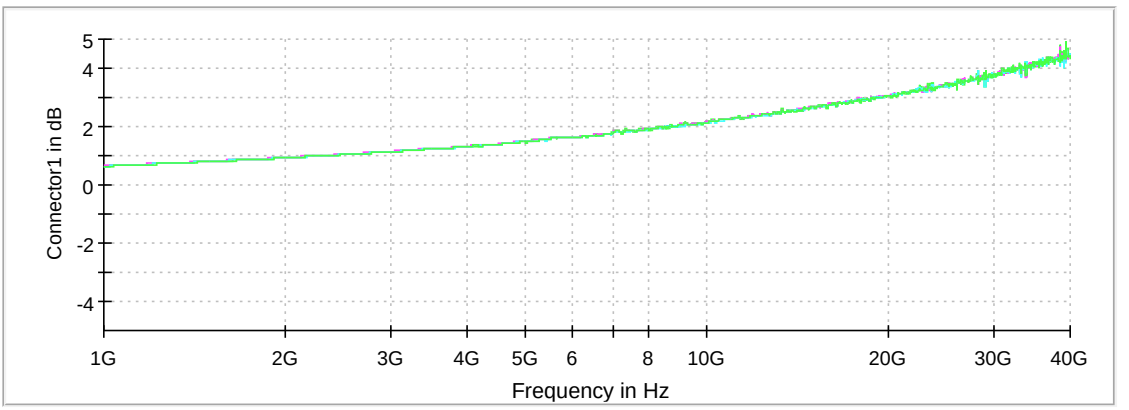
Limit Threshold Critical Final Critical Sum Level

Gain



Connector1 Connector2 Connector3 Connector4

Attenuation



Connector1 Connector2 Connector3 Connector4

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

Customized settings.

Result

DUT Frequency (MHz)	Result
6505.000000	PASS

Final measurements

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

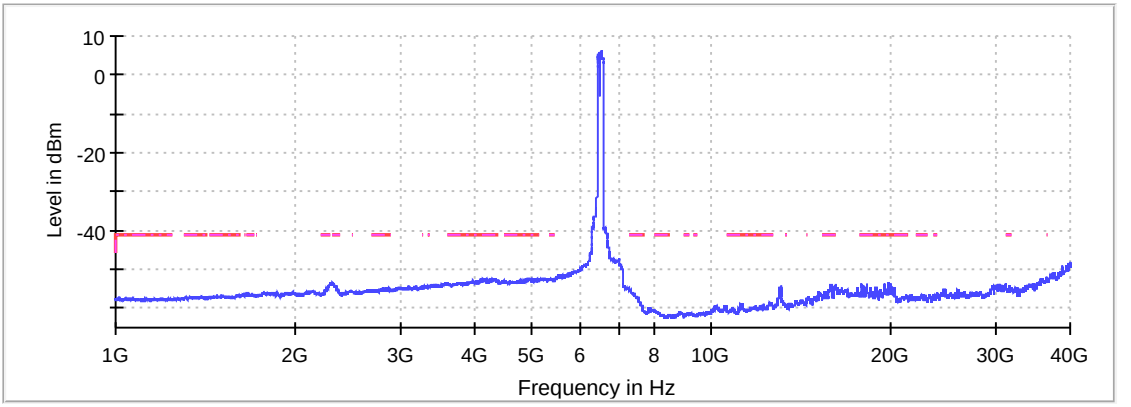
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36452.954595	-52.0	10.8	-41.2
36449.517203	-52.1	10.9	-41.2
36468.766601	-52.1	10.9	-41.2
4159.750000	-52.1	10.9	-41.2
36487.328521	-52.1	10.9	-41.2
4938.250000	-52.1	10.9	-41.2
5362.250000	-52.1	10.9	-41.2
36452.267117	-52.1	10.9	-41.2
36478.391300	-52.1	10.9	-41.2
5358.750000	-52.2	11.0	-41.2
4316.750000	-52.2	11.0	-41.2
5416.250000	-52.2	11.0	-41.2
5361.750000	-52.2	11.0	-41.2
5408.250000	-52.2	11.0	-41.2
5361.250000	-52.2	11.0	-41.2

Measurement Settings

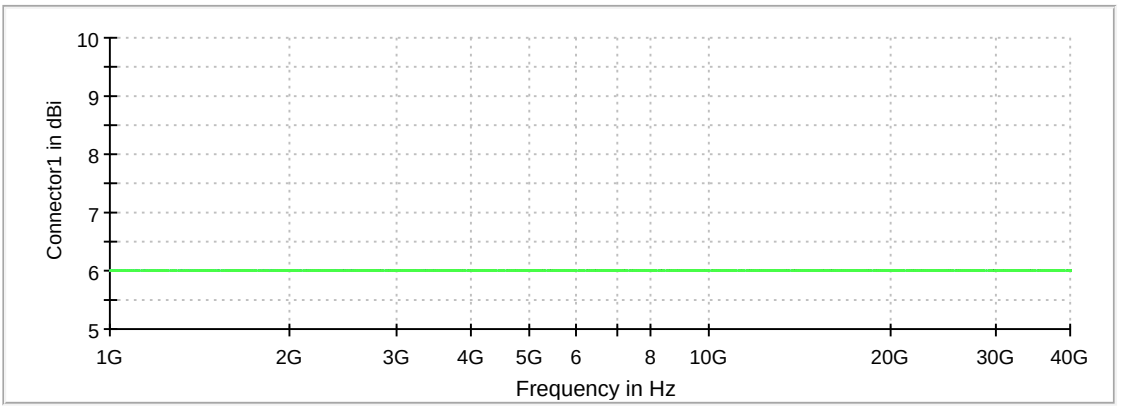
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	1	1
5925.000000	7125.000000	1	1
7125.000000	18000.000000	1	1
18000.000000	40000.000000	1	1

Restricted Band



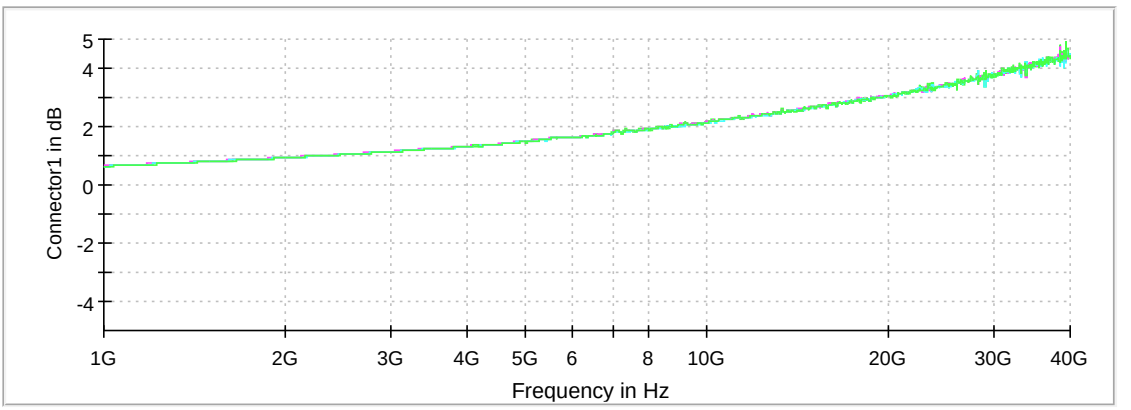
Limit Threshold Critical Final Critical Sum Level

Gain



Connector1 Connector2 Connector3 Connector4

Attenuation



Connector1 Connector2 Connector3 Connector4

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

Customized settings.

Result

DUT Frequency (MHz)	Result
6505.000000	PASS

Final measurements

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

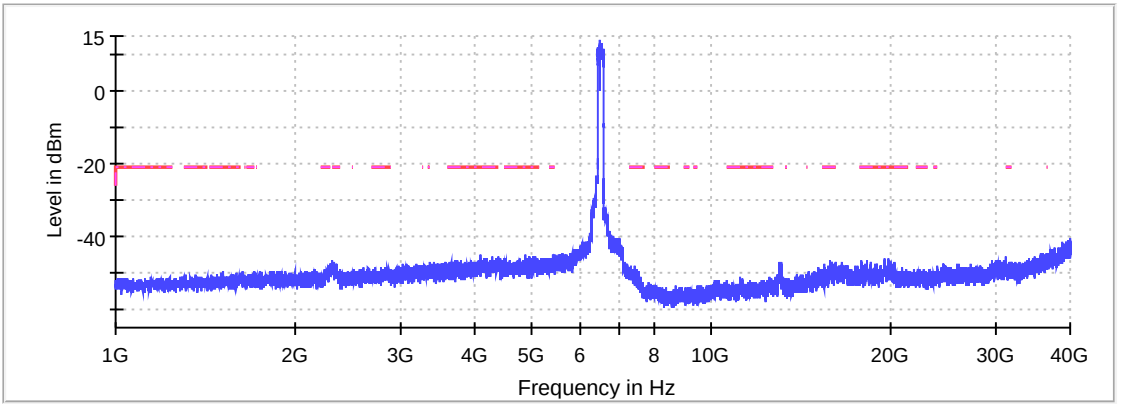
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36483.891128	-44.7	23.5	-21.2
36484.578607	-44.7	23.5	-21.2
5421.750000	-45.0	23.8	-21.2
36469.454080	-45.1	23.9	-21.2
4096.750000	-45.2	24.0	-21.2
4862.750000	-45.2	24.0	-21.2
36467.391644	-45.3	24.1	-21.2
5447.750000	-45.4	24.2	-21.2
5056.750000	-45.4	24.2	-21.2
36471.516515	-45.4	24.2	-21.2
36472.891472	-45.5	24.3	-21.2
5029.750000	-45.5	24.3	-21.2
36466.704165	-45.5	24.3	-21.2
5027.750000	-45.5	24.3	-21.2
4942.750000	-45.6	24.4	-21.2

Measurement Settings

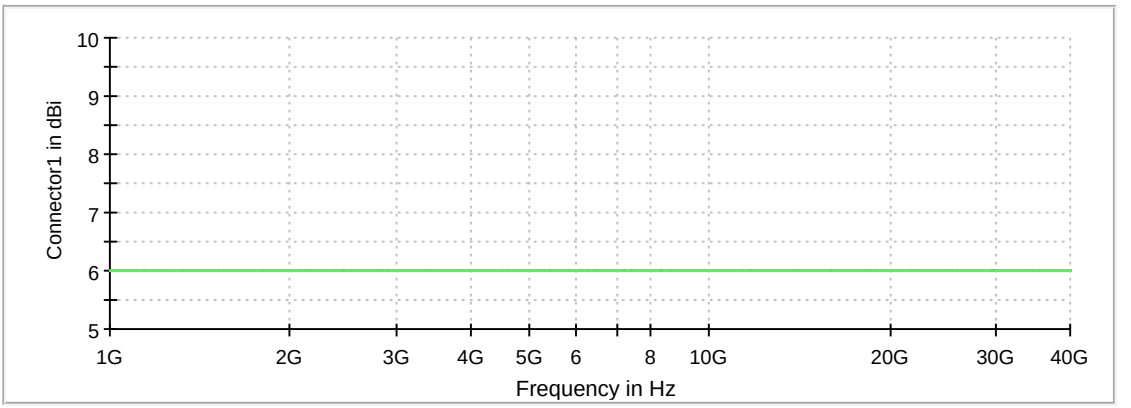
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	1	1
5925.000000	7125.000000	1	1
7125.000000	18000.000000	1	1
18000.000000	40000.000000	1	2

Restricted Band



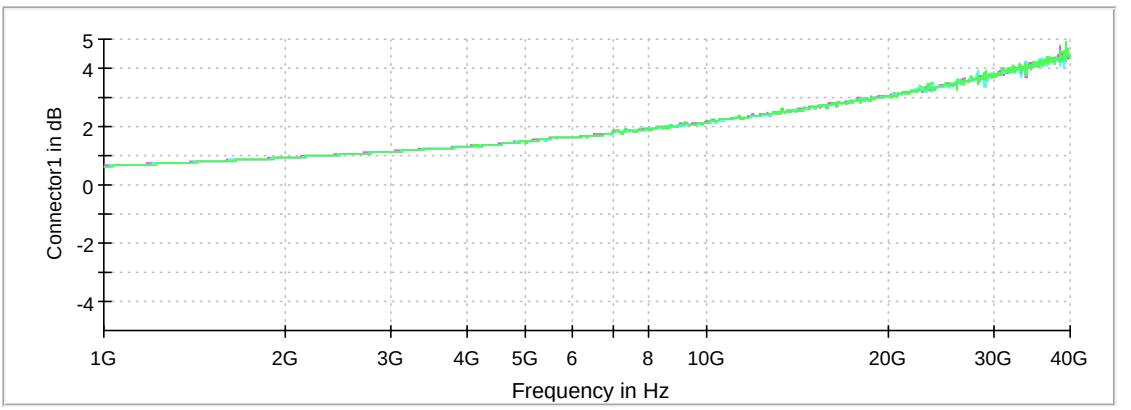
Limit Threshold Critical Final Critical Sum Level

Gain



Connector1 Connector2 Connector3 Connector4

Attenuation



Connector1 Connector2 Connector3 Connector4

Emission Bandwidth 26 dB (6665 MHz; 24.000 dBm; 160 MHz)

Customized settings.

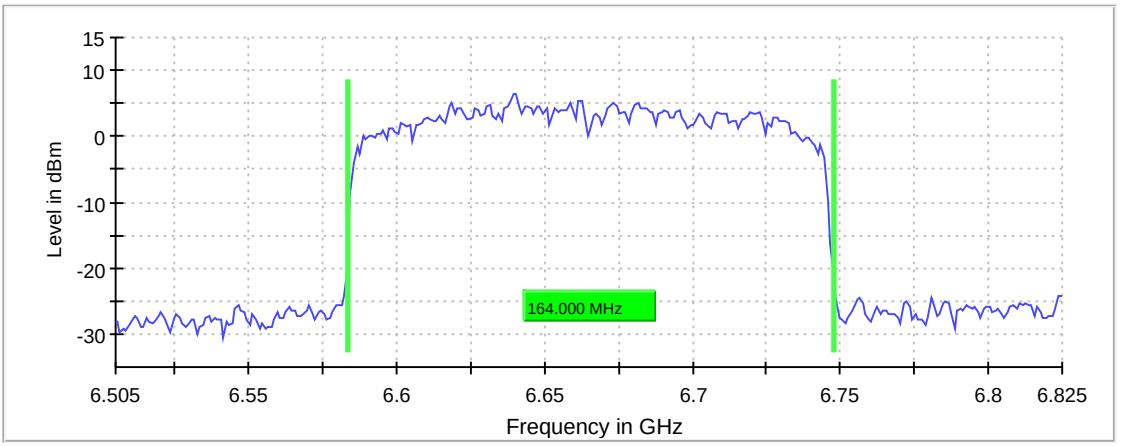
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6665.000000	164.000000	---	320.000000	6583.500000	---

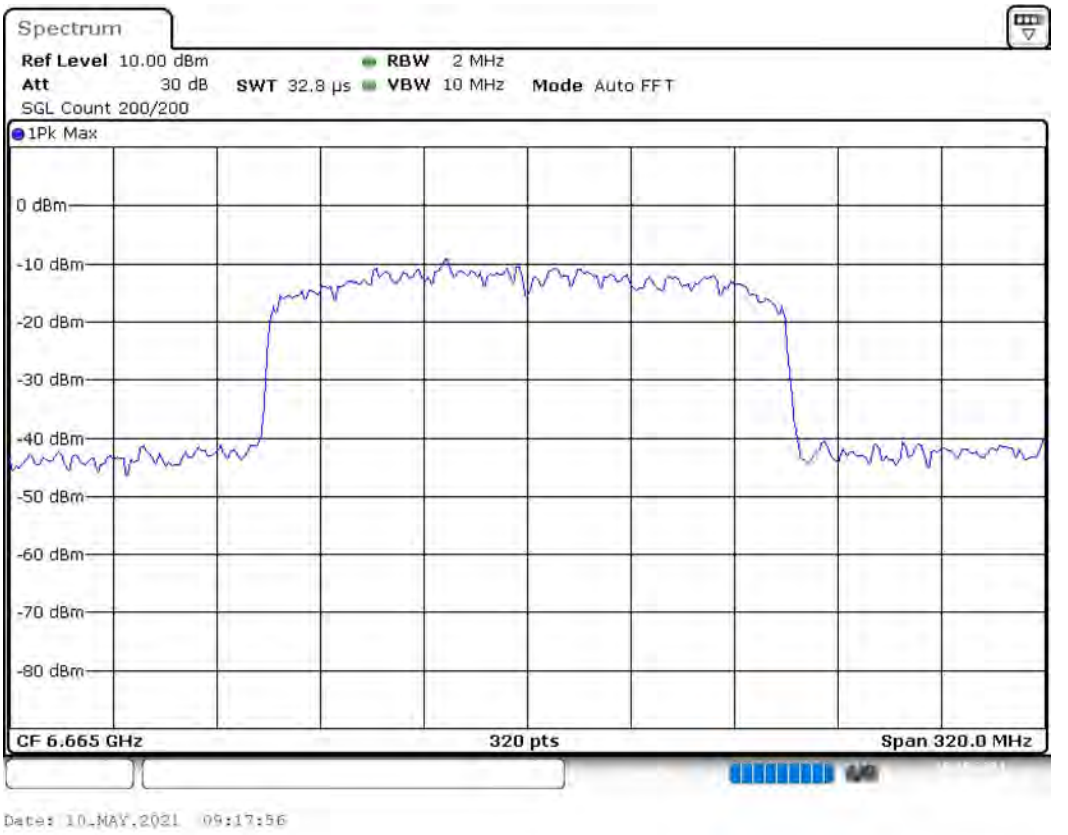
(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Max Level (dBm)	Result
6665.000000	6747.500000	---	6.6	PASS

26 dB Bandwidth



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 2 MHz
Att 30 dB
SWT 32.8 µs
VBW 10 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.665 GHz
320 pts
Span 320.0 MHz
Date: 10.MAY.2021 09:17:56

In-Band Emissions (6665 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

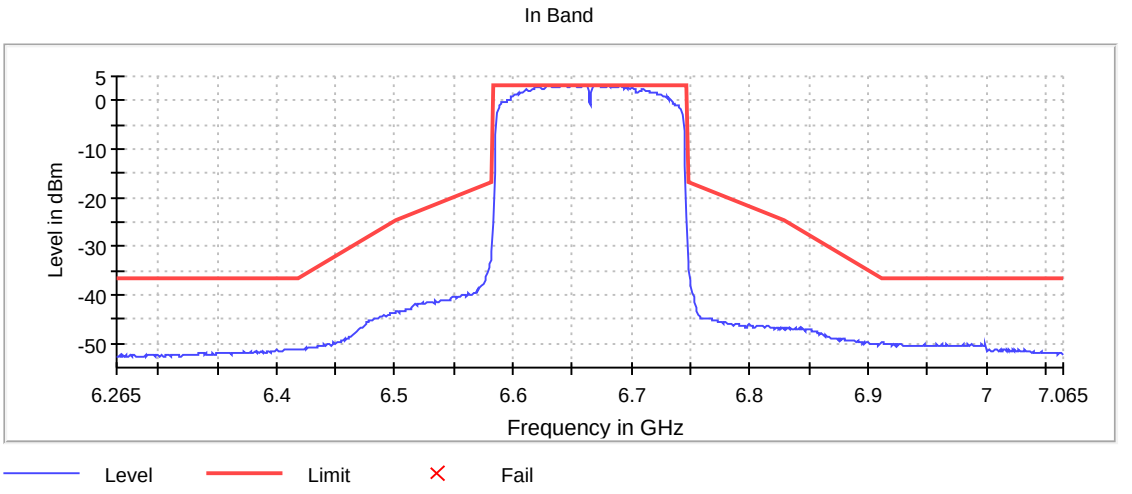
DUT Frequency (MHz)	Result
6665.000000	PASS

Inband Peak

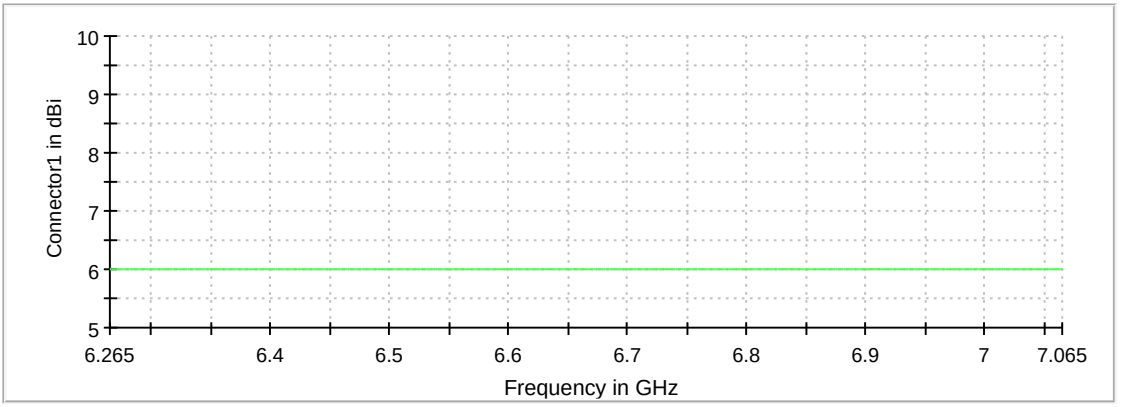
Frequency (MHz)	Level (dBm)
6671.500000	3.3

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6671.500000	3.3	0.0	3.3	PASS
6650.500000	3.2	0.1	3.3	PASS
6630.500000	3.2	0.1	3.3	PASS
6670.500000	3.2	0.1	3.3	PASS
6642.500000	3.2	0.1	3.3	PASS
6661.500000	3.1	0.2	3.3	PASS
6669.500000	3.1	0.2	3.3	PASS
6672.500000	3.1	0.2	3.3	PASS
6651.500000	3.1	0.2	3.3	PASS
6658.500000	3.1	0.2	3.3	PASS
6649.500000	3.1	0.2	3.3	PASS
6640.500000	3.1	0.2	3.3	PASS
6641.500000	3.1	0.2	3.3	PASS
6631.500000	3.1	0.2	3.3	PASS
6690.500000	3.1	0.2	3.3	PASS

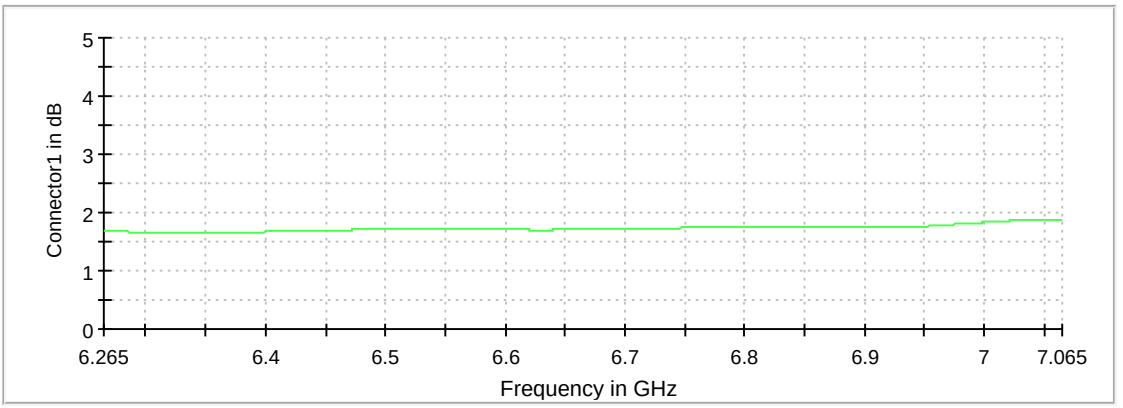


Gain



Connector1

Attenuation



Connector1

In Band Connector 1_0


Spectrum
Ref Level 0.00 dBm
RBW 2 MHz
Att 20 dB
SWT 4 ms
VBW 5 MHz
Mode Sweep
SGL Count 100/100
1Rm AvgPwr
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
-90 dBm
CF 6.665 GHz
800 pts
Span 800.0 MHz
Date: 10.MAY.2021 09:18:56

Occupied Channel Bandwidth 99% (6665 MHz; 24.000 dBm; 160 MHz)

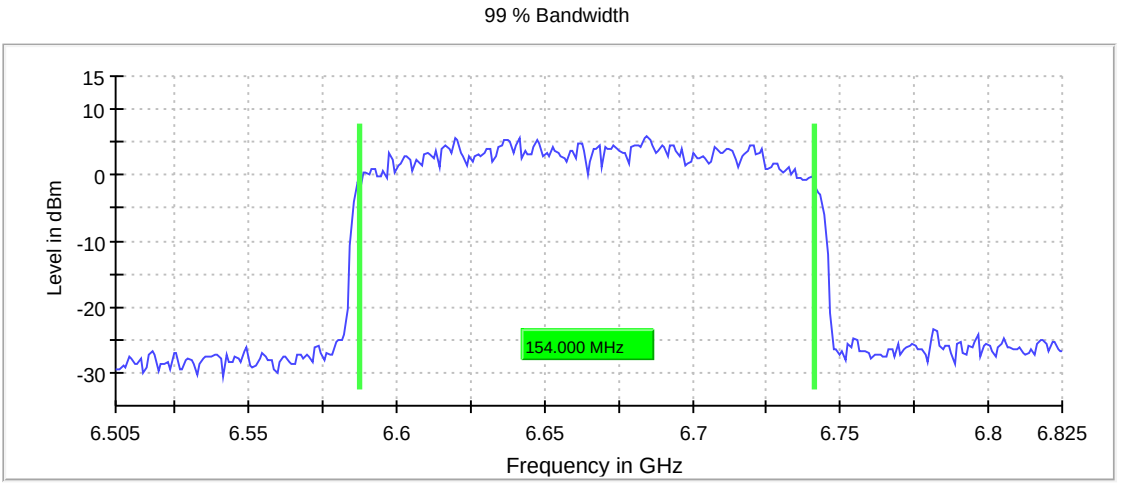
Customized settings.

99 % Bandwidth

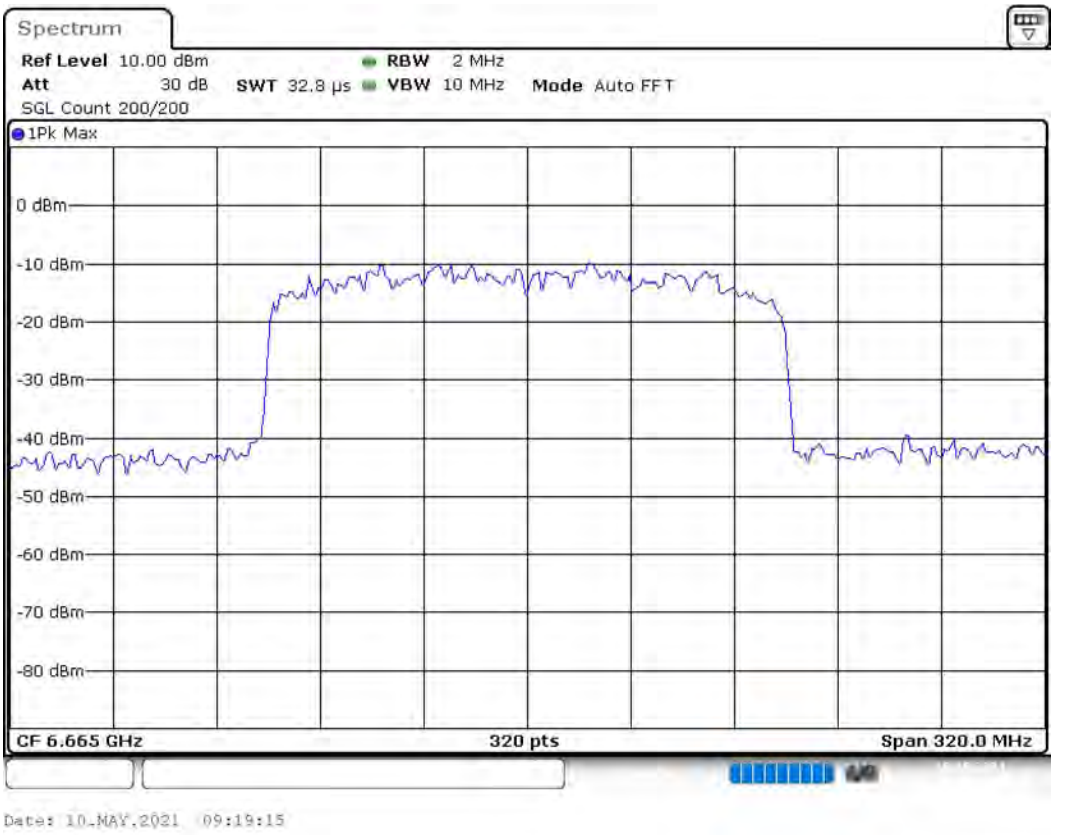
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6665.000000	154.000000	---	320.000000	6587.500000	5925.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6665.000000	6741.500000	7125.000000	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 2 MHz
Att 30 dB
SWT 32.8 µs
VBW 10 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.665 GHz
320 pts
Span 320.0 MHz
Date: 10.MAY.2021 09:19:15

Tx Spurious Emission (6665 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6665.000000	PASS

Final measurements

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

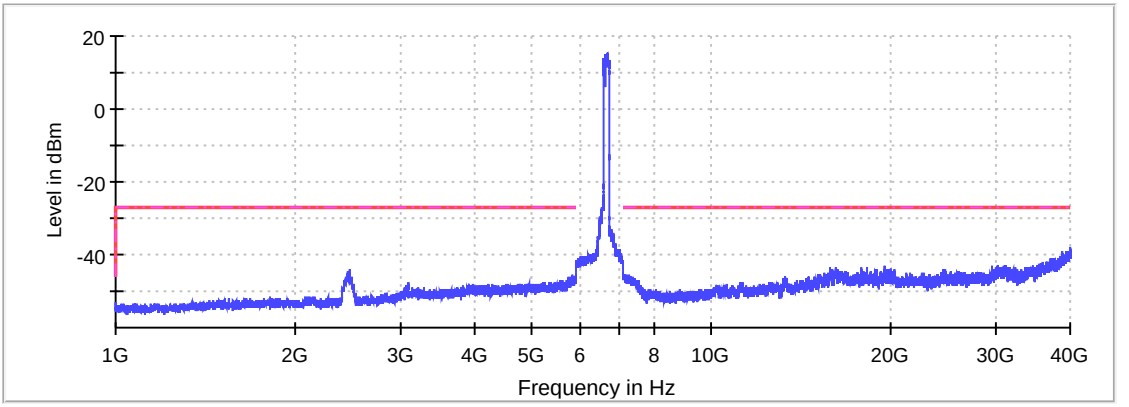
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
1000.000000	-55.3	9.4	-45.9
39883.750000	-38.2	11.2	-27.0
39881.750000	-38.2	11.2	-27.0
39877.750000	-38.6	11.6	-27.0
39903.250000	-38.6	11.6	-27.0
39904.750000	-38.7	11.7	-27.0
39868.250000	-38.7	11.7	-27.0
39918.250000	-38.7	11.7	-27.0
39852.250000	-38.7	11.7	-27.0
39865.250000	-38.7	11.7	-27.0
39861.750000	-38.8	11.8	-27.0
39940.750000	-38.8	11.8	-27.0
39931.250000	-38.8	11.8	-27.0
39937.750000	-38.8	11.8	-27.0
39845.250000	-38.8	11.8	-27.0

Measurement Settings

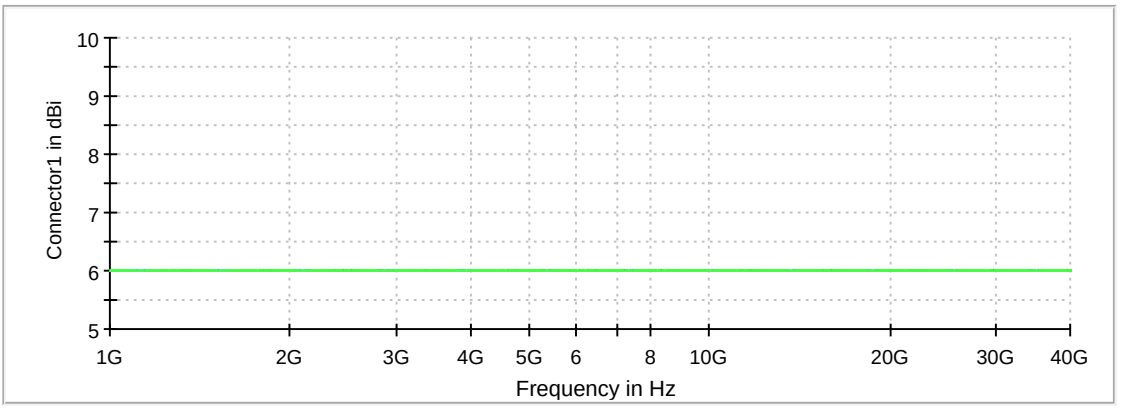
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	2	2
5925.000000	7125.000000	2	2
7125.000000	18000.000000	2	2
18000.000000	26000.000000	2	2
26000.000000	40000.000000	2	2

Spurious



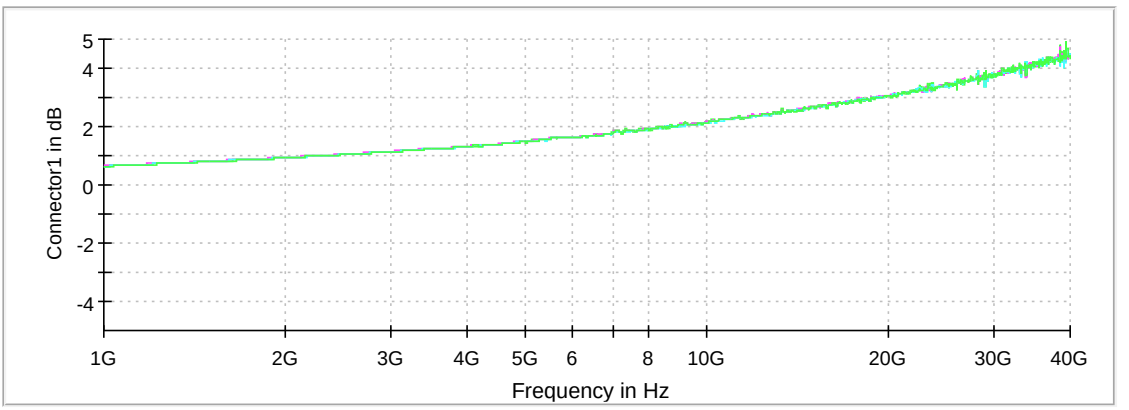
Limit Threshold Critical Final Critical Sum Level

Gain



Connector1 Connector2 Connector3 Connector4

Attenuation



Connector1 Connector2 Connector3 Connector4

Emissions in restricted frequency bands (Average) (6665 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6665.000000	PASS

Final measurements

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

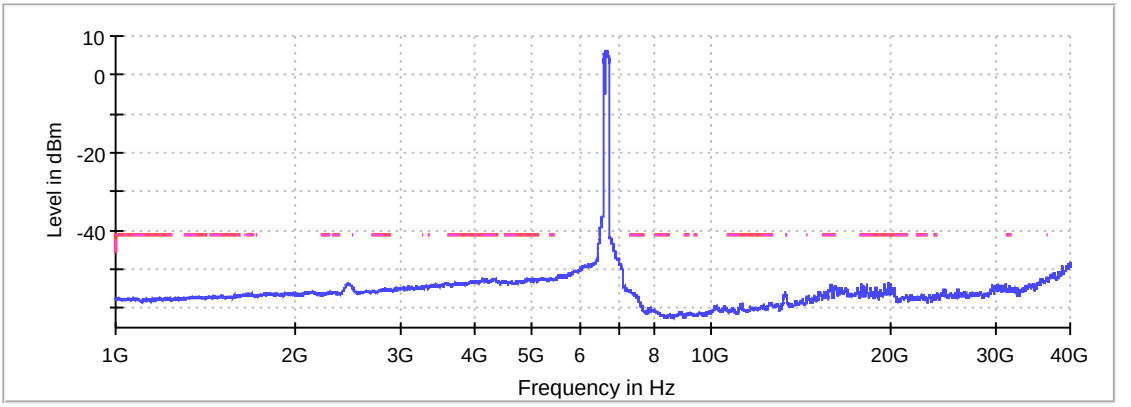
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36461.204337	-52.0	10.8	-41.2
36463.266773	-52.1	10.9	-41.2
36459.141902	-52.1	10.9	-41.2
5365.750000	-52.1	10.9	-41.2
5452.750000	-52.1	10.9	-41.2
4951.750000	-52.1	10.9	-41.2
36454.329552	-52.1	10.9	-41.2
36494.203306	-52.2	11.0	-41.2
5367.250000	-52.2	11.0	-41.2
36446.767289	-52.2	11.0	-41.2
36453.642074	-52.2	11.0	-41.2
4956.250000	-52.2	11.0	-41.2
36465.329208	-52.2	11.0	-41.2
5381.250000	-52.2	11.0	-41.2
4951.250000	-52.2	11.0	-41.2

Measurement Settings

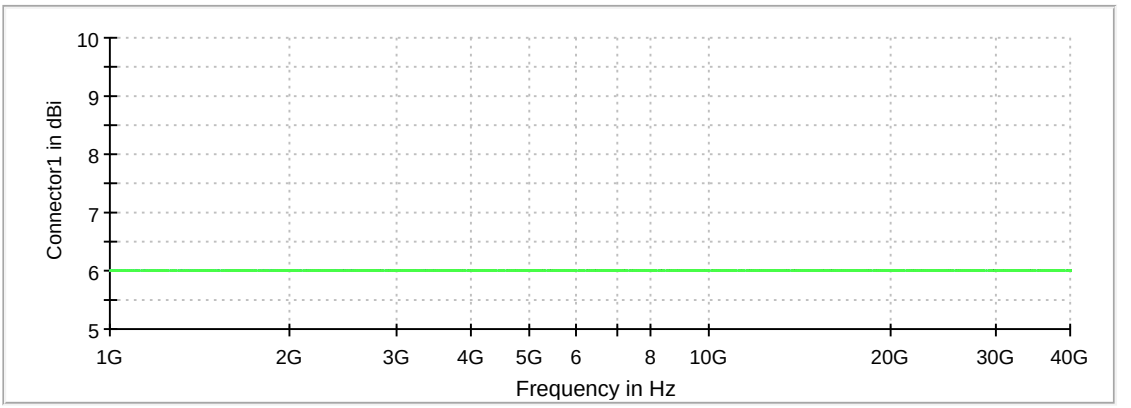
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	1	1
5925.000000	7125.000000	1	1
7125.000000	18000.000000	1	1
18000.000000	40000.000000	1	1

Restricted Band



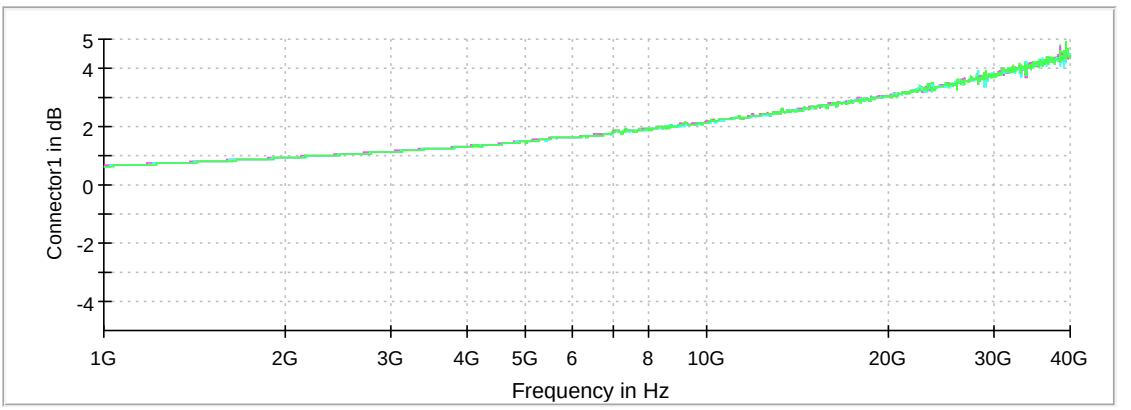
Limit Threshold Critical Final Critical Sum Level

Gain



Connector1 Connector2 Connector3 Connector4

Attenuation



Connector1 Connector2 Connector3 Connector4

Emissions in restricted frequency bands (Peak) (6665 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6665.000000	PASS

Final measurements

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

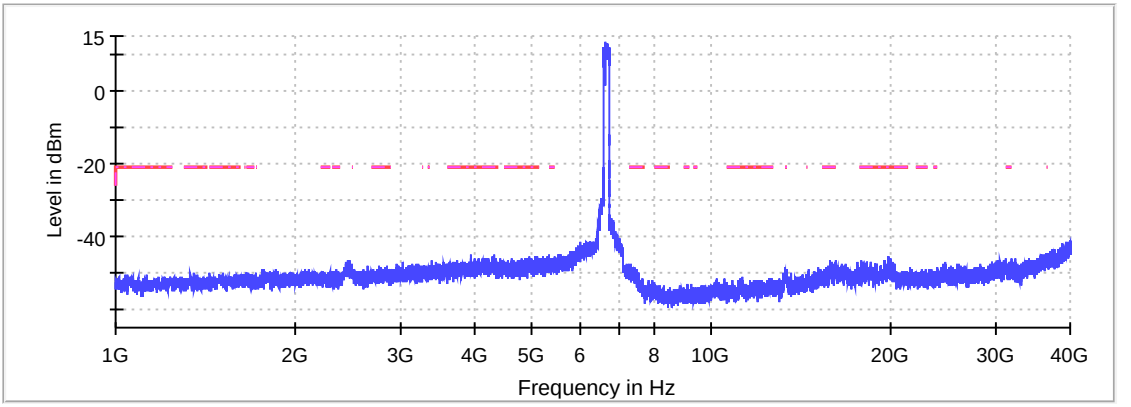
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36490.078435	-44.6	23.4	-21.2
36484.578607	-45.0	23.8	-21.2
36433.017718	-45.1	23.9	-21.2
4322.750000	-45.2	24.0	-21.2
3958.250000	-45.2	24.0	-21.2
36450.204681	-45.3	24.1	-21.2
36456.391988	-45.3	24.1	-21.2
36458.454423	-45.3	24.1	-21.2
19896.409487	-45.4	24.2	-21.2
36462.579294	-45.4	24.2	-21.2
4957.250000	-45.4	24.2	-21.2
36479.078779	-45.4	24.2	-21.2
36435.767632	-45.4	24.2	-21.2
4284.750000	-45.4	24.2	-21.2
5049.250000	-45.5	24.3	-21.2

Measurement Settings

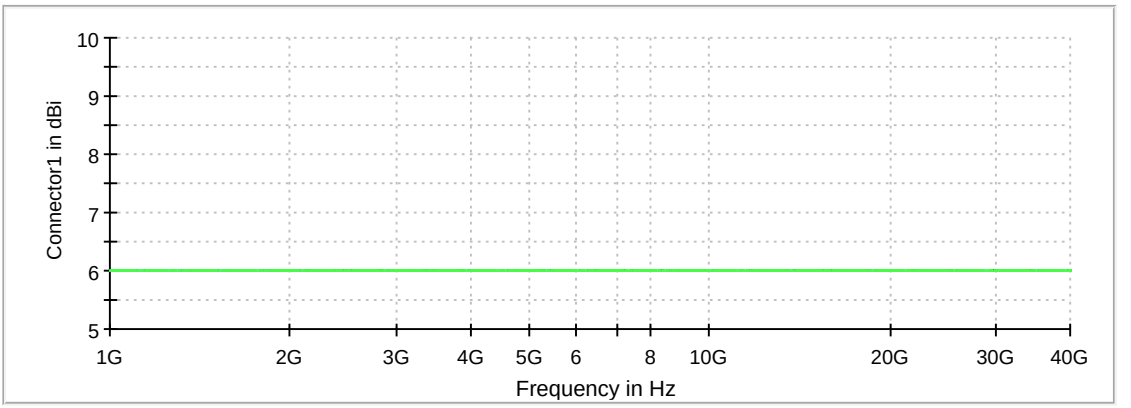
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	1	1
5925.000000	7125.000000	1	1
7125.000000	18000.000000	1	1
18000.000000	40000.000000	1	2

Restricted Band



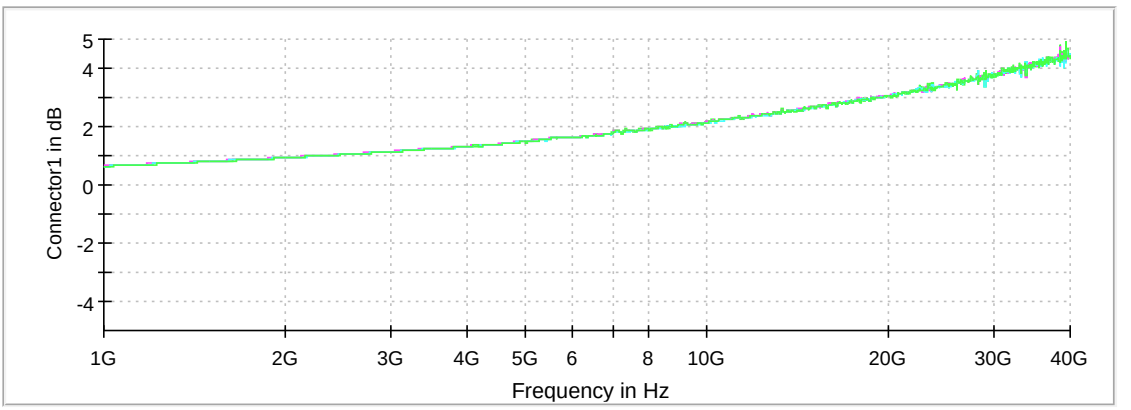
Limit Threshold Critical Final Critical Sum Level

Gain



Connector1 Connector2 Connector3 Connector4

Attenuation



Connector1 Connector2 Connector3 Connector4

Emission Bandwidth 26 dB (6825 MHz; 24.000 dBm; 160 MHz)

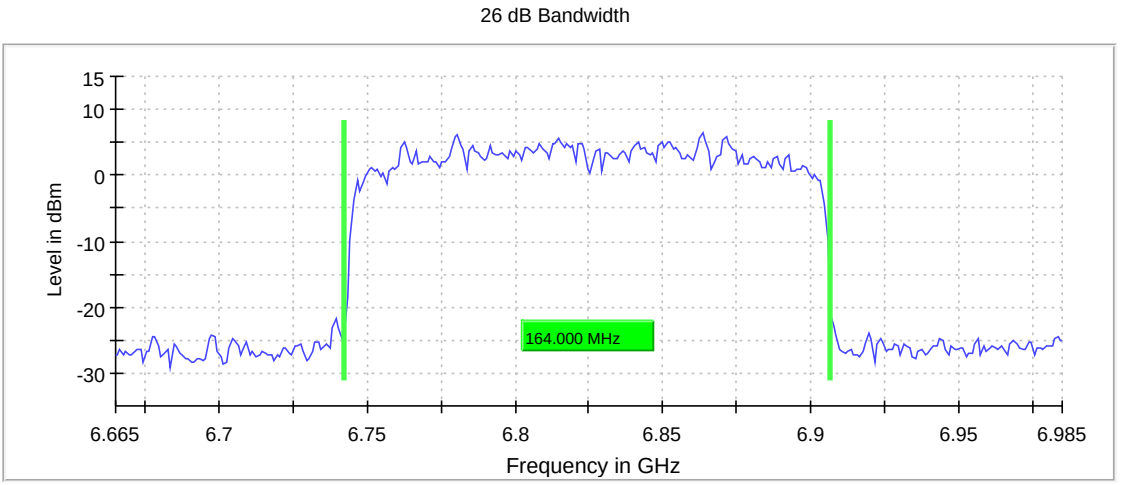
Customized settings.

26 dB Bandwidth

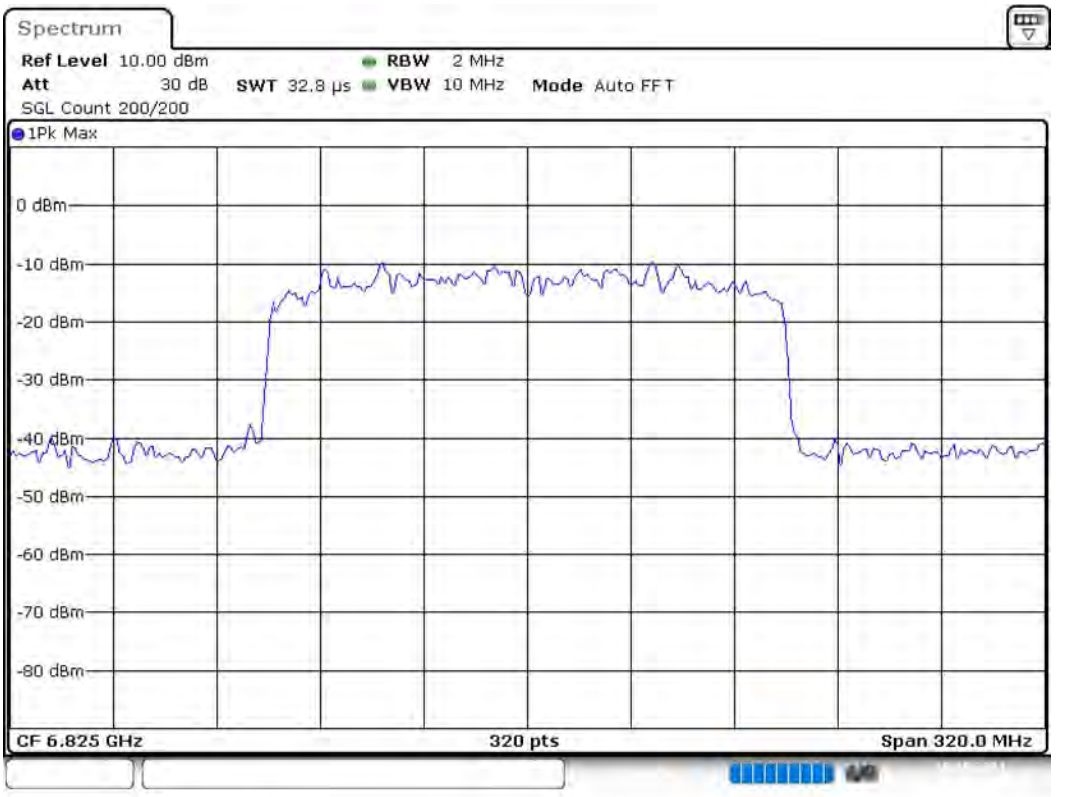
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 7 (MHz)	Bandwidth U-NII 8 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6825.000000	164.000000	132.500000	31.500000	---	320.000000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

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
6825.000000	6742.500000	---	6906.500000	---	6.4	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 2 MHz
Att 30 dB
SWT 32.8 µs
VBW 10 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.825 GHz
320 pts
Span 320.0 MHz
Date: 10.MAY.2021 09:41:09

In-Band Emissions (6825 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

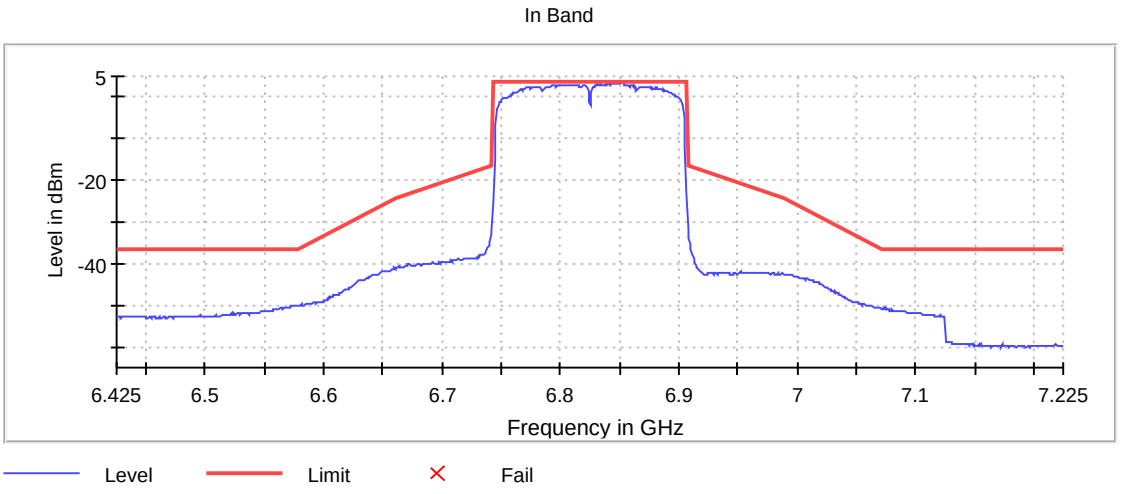
DUT Frequency (MHz)	Result
6825.000000	PASS

Inband Peak

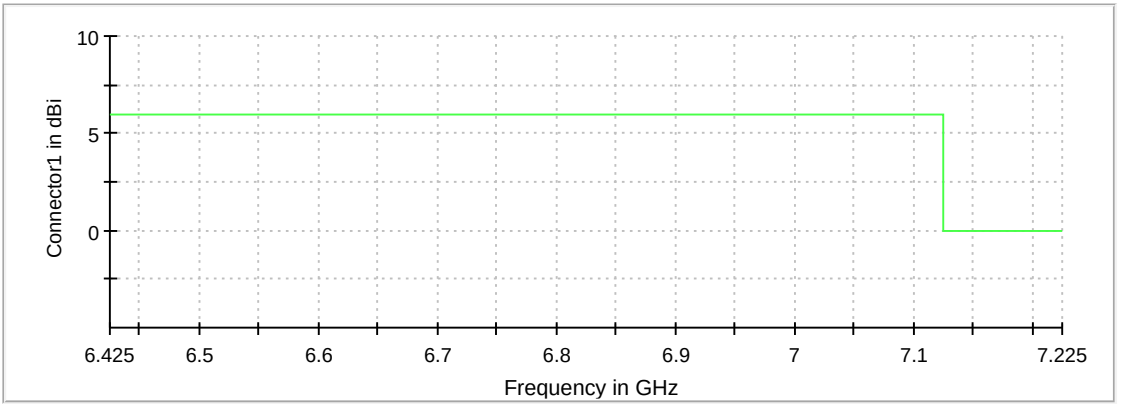
Frequency (MHz)	Level (dBm)
6851.500000	3.6

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6852.500000	3.5	0.1	3.6	PASS
6847.500000	3.4	0.2	3.6	PASS
6853.500000	3.3	0.3	3.6	PASS
6844.500000	3.3	0.3	3.6	PASS
6846.500000	3.3	0.3	3.6	PASS
6849.500000	3.3	0.3	3.6	PASS
6843.500000	3.3	0.3	3.6	PASS
6848.500000	3.3	0.3	3.6	PASS
6842.500000	3.2	0.4	3.6	PASS
6845.500000	3.1	0.4	3.6	PASS
6850.500000	3.1	0.5	3.6	PASS
6831.500000	3.1	0.5	3.6	PASS
6833.500000	3.1	0.5	3.6	PASS
6838.500000	3.1	0.5	3.6	PASS
6840.500000	3.1	0.5	3.6	PASS

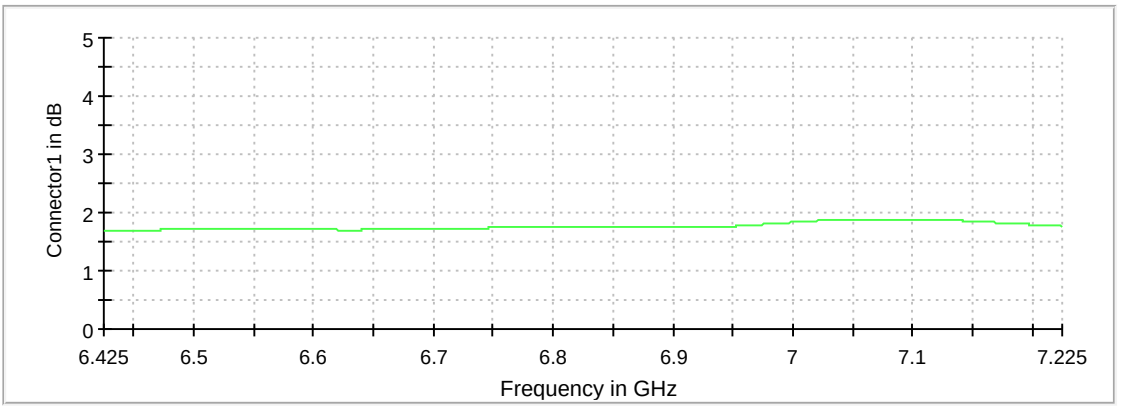


Gain



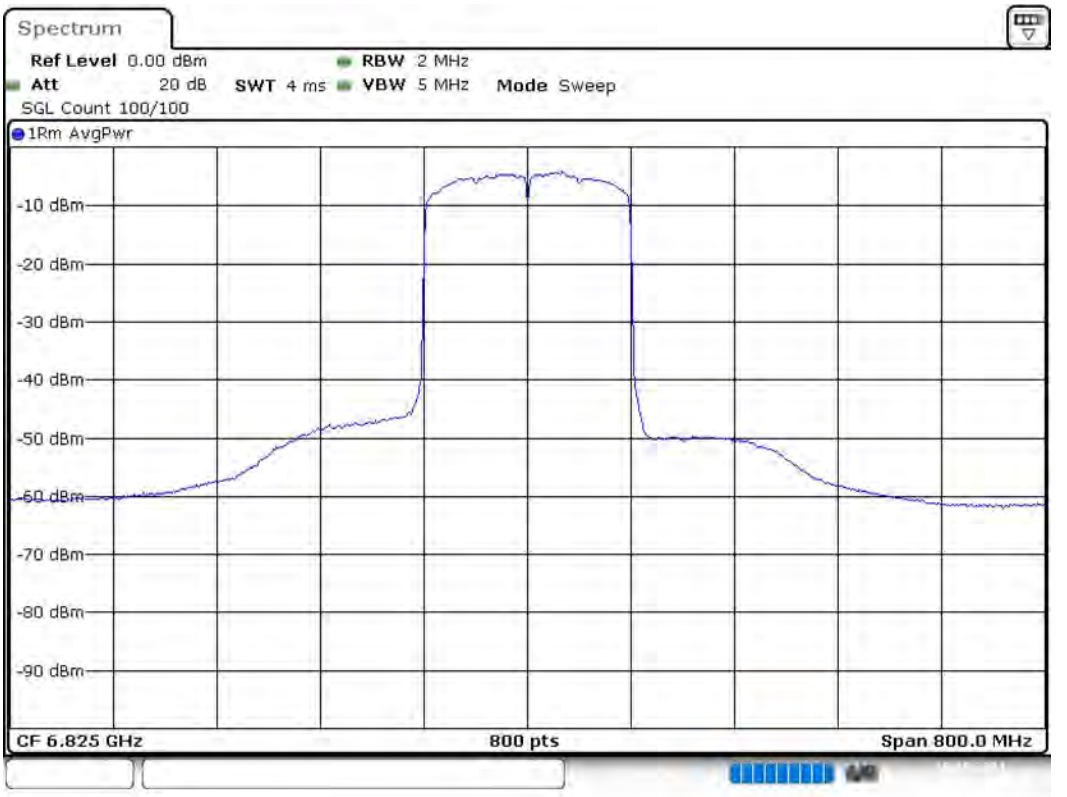
Connector1

Attenuation



Connector1

In Band Connector 1_0


Spectrum
Ref Level 0.00 dBm
RBW 2 MHz
Att 20 dB
SWT 4 ms
VBW 5 MHz
Mode Sweep
SGL Count 100/100
1Rm AvgPwr
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
-90 dBm
CF 6.825 GHz
800 pts
Span 800.0 MHz
Date: 10.MAY.2021 09:42:10

Occupied Channel Bandwidth 99% (6825 MHz; 24.000 dBm; 160 MHz)

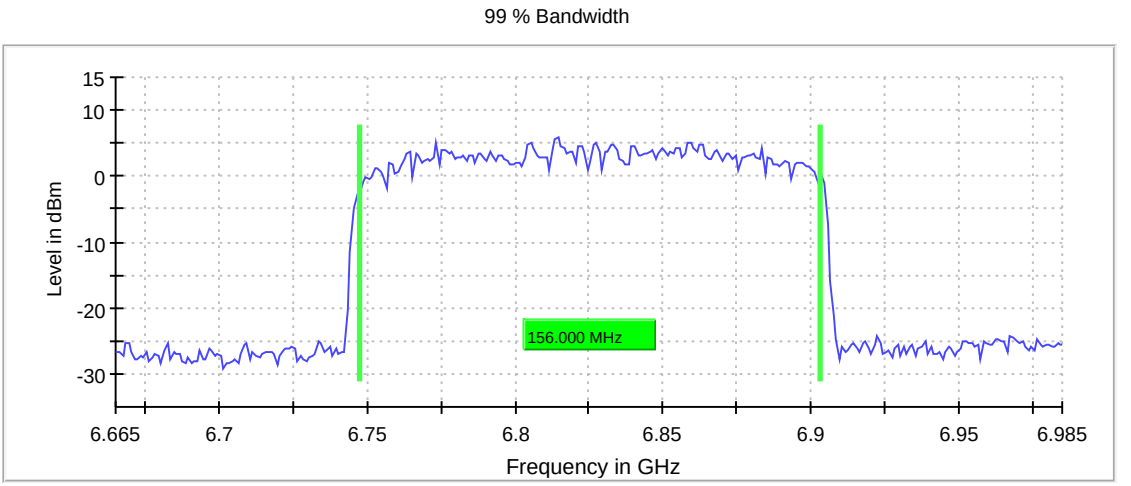
Customized settings.

99 % Bandwidth

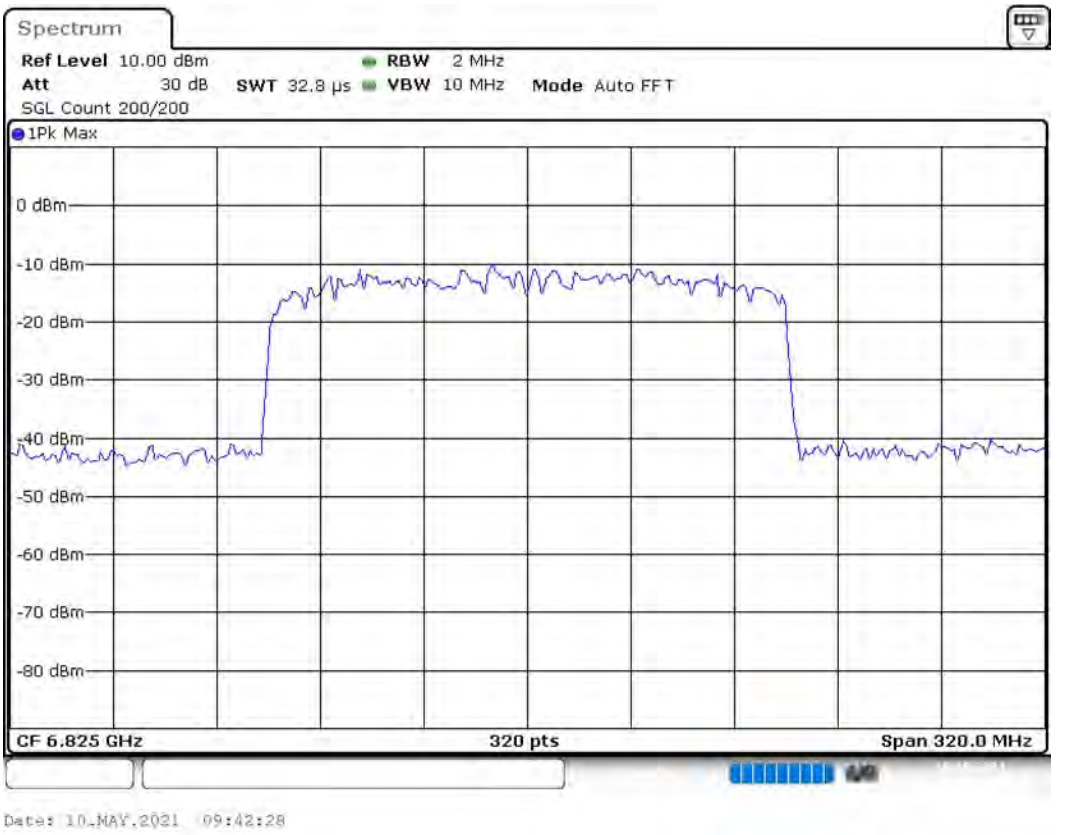
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 7 (MHz)	Bandwidth U-NII 8 (MHz)	Limit Min (MHz)	Limit Max (MHz)
6825.000000	156.000000	127.500000	28.500000	---	320.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6825.000000	6747.500000	5925.000000	6903.500000	7125.000000	PASS



Bandwidth


Spectrum
Ref Level 10.00 dBm
RBW 2 MHz
Att 30 dB
SWT 32.8 µs
VBW 10 MHz
Mode Auto FFT
SGL Count 200/200
1Pk Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 6.825 GHz
320 pts
Span 320.0 MHz
Date: 10.MAY.2021 09:42:28

Tx Spurious Emission (6825 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6825.000000	PASS

Final measurements

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

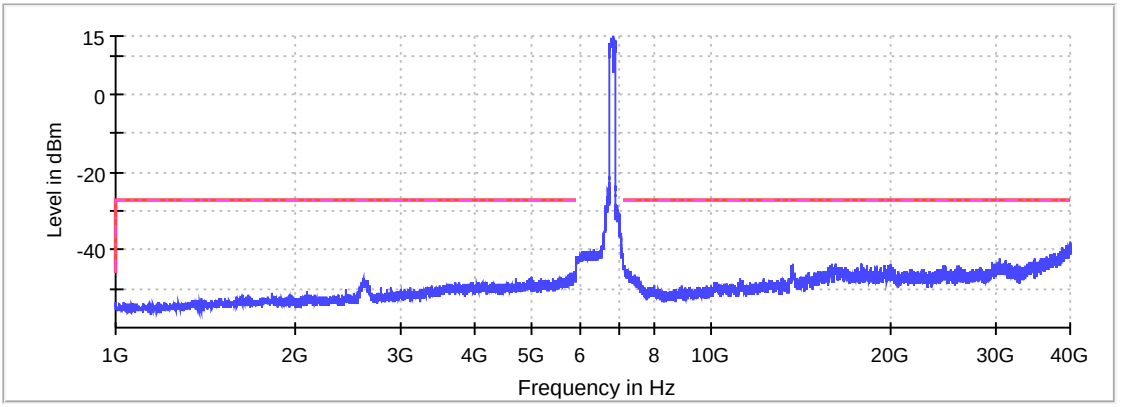
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
1000.000000	-54.8	8.9	-45.9
39896.250000	-38.0	11.0	-27.0
39854.750000	-38.1	11.1	-27.0
39883.250000	-38.4	11.4	-27.0
39890.250000	-38.5	11.5	-27.0
39886.250000	-38.5	11.5	-27.0
39892.250000	-38.6	11.6	-27.0
39895.750000	-38.7	11.7	-27.0
39904.250000	-38.8	11.8	-27.0
39913.250000	-38.8	11.8	-27.0
39885.750000	-38.8	11.8	-27.0
39849.250000	-38.8	11.8	-27.0
39897.250000	-38.9	11.9	-27.0
39512.250000	-38.9	11.9	-27.0
39888.250000	-38.9	11.9	-27.0

Measurement Settings

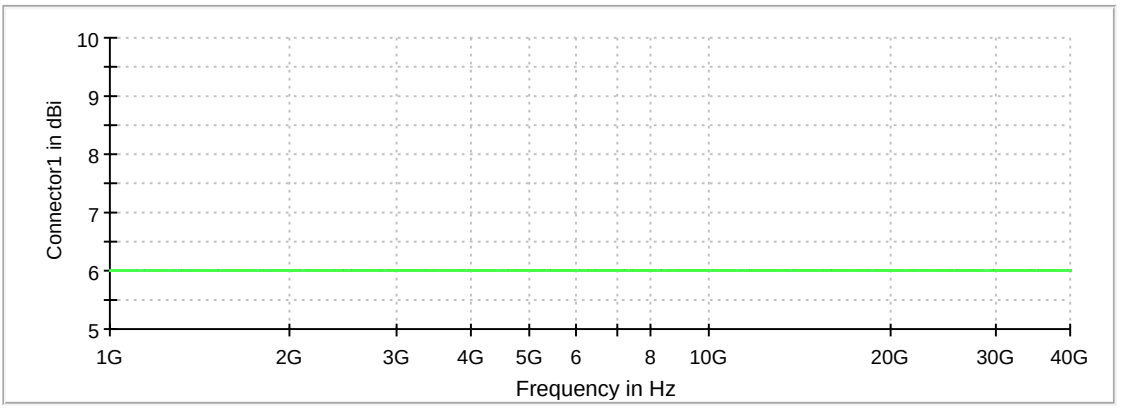
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	2	2
5925.000000	7125.000000	2	2
7125.000000	18000.000000	2	2
18000.000000	26000.000000	2	2
26000.000000	40000.000000	2	2

Spurious



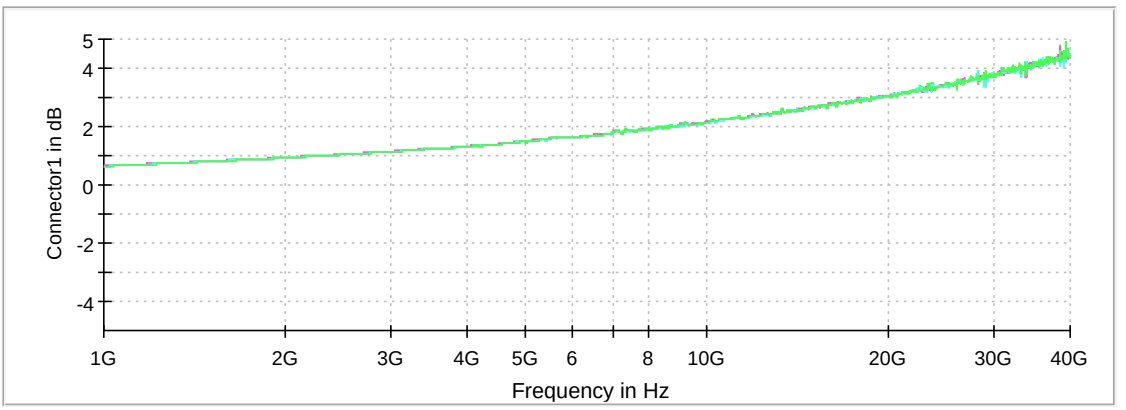
Limit Threshold Critical Final Critical Sum Level

Gain



Connector1 Connector2 Connector3 Connector4

Attenuation



Connector1 Connector2 Connector3 Connector4

Emissions in restricted frequency bands (Average) (6825 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6825.000000	PASS

Final measurements

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

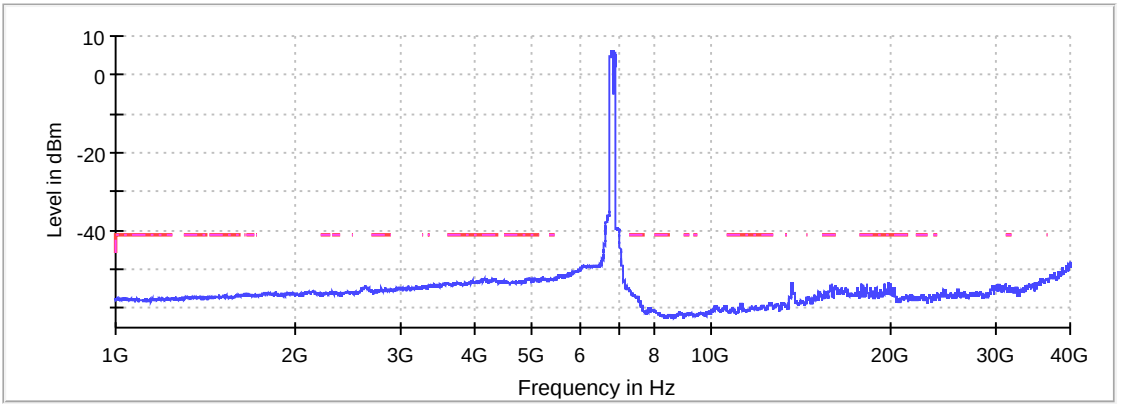
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
5391.250000	-52.1	10.9	-41.2
36479.078779	-52.1	10.9	-41.2
5392.750000	-52.1	10.9	-41.2
36477.016343	-52.1	10.9	-41.2
5055.750000	-52.2	11.0	-41.2
5389.250000	-52.2	11.0	-41.2
36498.328177	-52.2	11.0	-41.2
36453.642074	-52.2	11.0	-41.2
5367.250000	-52.2	11.0	-41.2
4956.750000	-52.2	11.0	-41.2
5062.250000	-52.2	11.0	-41.2
4957.750000	-52.2	11.0	-41.2
36462.579294	-52.2	11.0	-41.2
36461.891816	-52.2	11.0	-41.2
5360.250000	-52.2	11.0	-41.2

Measurement Settings

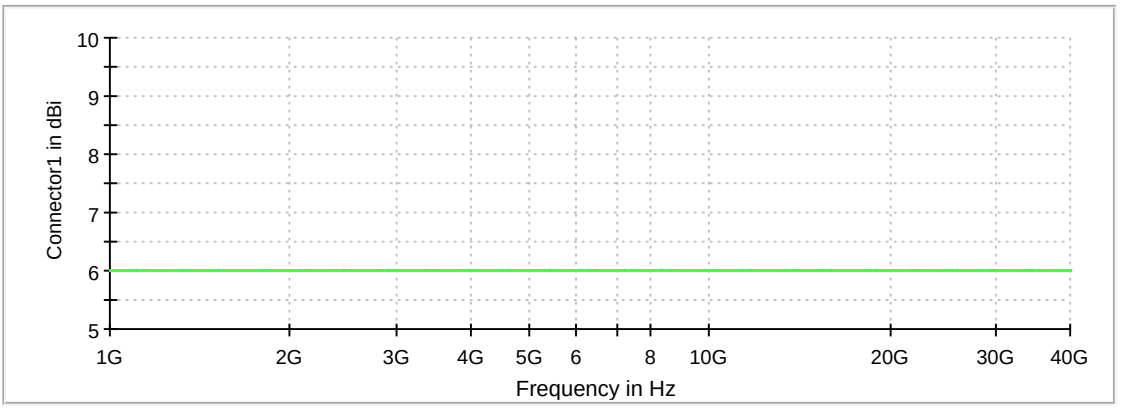
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	1	1
5925.000000	7125.000000	1	1
7125.000000	18000.000000	1	1
18000.000000	40000.000000	1	1

Restricted Band



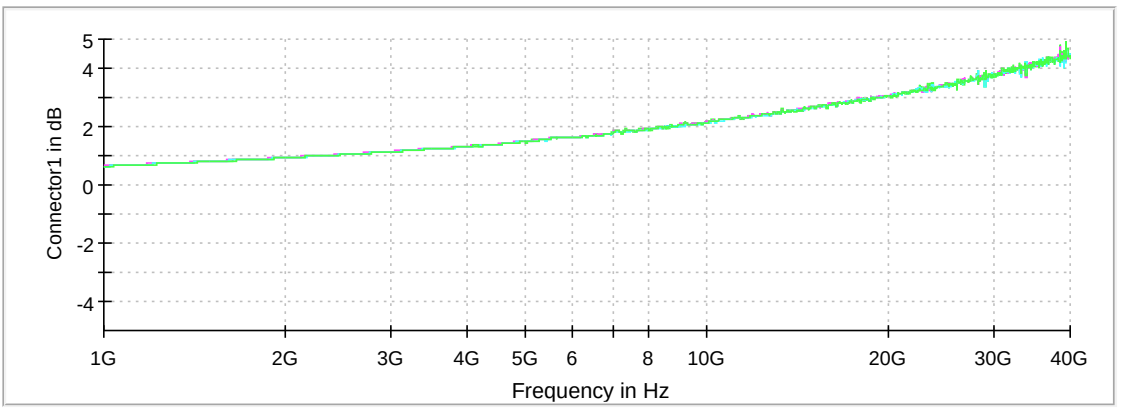
Limit Threshold Critical Final Critical Sum Level

Gain



Connector1 Connector2 Connector3 Connector4

Attenuation



Connector1 Connector2 Connector3 Connector4

Emissions in restricted frequency bands (Peak) (6825 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6825.000000	PASS

Final measurements

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

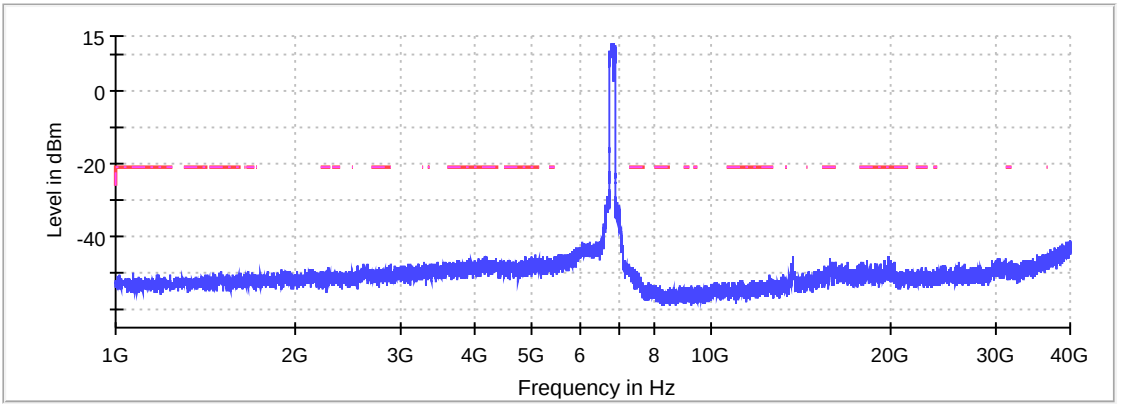
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
5068.250000	-44.8	23.6	-21.2
36476.328865	-45.0	23.8	-21.2
36492.140871	-45.1	23.9	-21.2
5068.750000	-45.2	24.0	-21.2
36445.392331	-45.2	24.0	-21.2
36456.391988	-45.2	24.0	-21.2
36465.329208	-45.3	24.1	-21.2
36458.454423	-45.3	24.1	-21.2
36454.329552	-45.3	24.1	-21.2
19901.221837	-45.3	24.1	-21.2
36438.517546	-45.4	24.2	-21.2
36479.766257	-45.4	24.2	-21.2
36481.141214	-45.4	24.2	-21.2
36483.891128	-45.5	24.3	-21.2
36464.641730	-45.5	24.3	-21.2

Measurement Settings

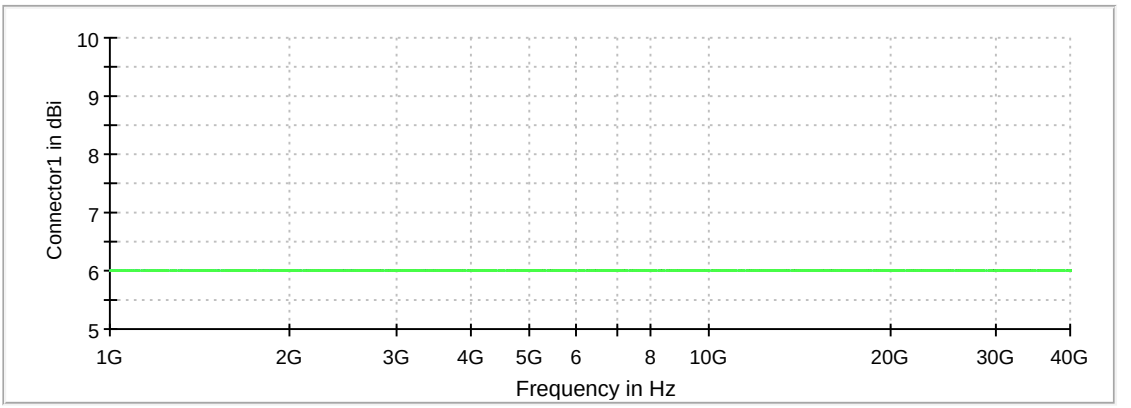
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
1000.000000	5925.000000	1	1
5925.000000	7125.000000	1	1
7125.000000	18000.000000	1	1
18000.000000	40000.000000	1	2

Restricted Band



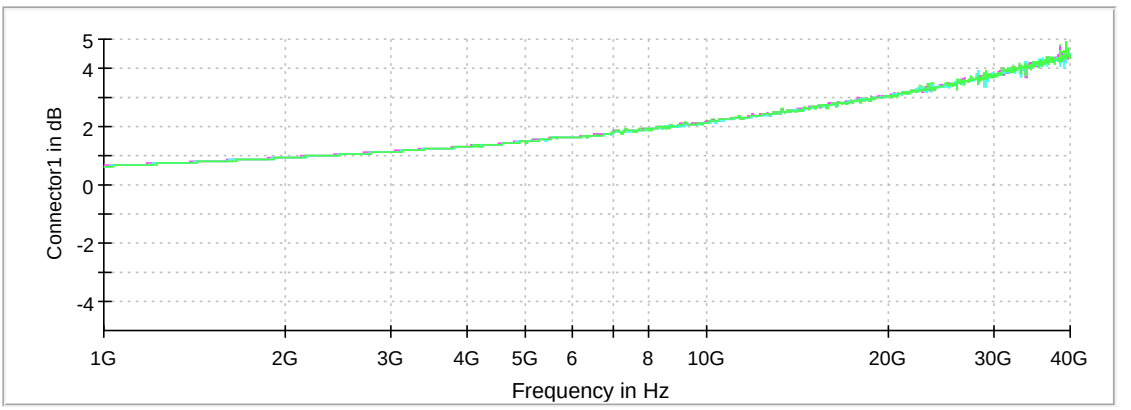
Limit Threshold Critical Final Critical Sum Level

Gain



Connector1 Connector2 Connector3 Connector4

Attenuation



Connector1 Connector2 Connector3 Connector4

Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
Power Spectral Density (SA-2)	**6535.000**	**24.0**	**20.000000**	**PASS**

Power Spectral Density (SA-2) (6535 MHz; 24.000 dBm; 20 MHz)

Customized settings.

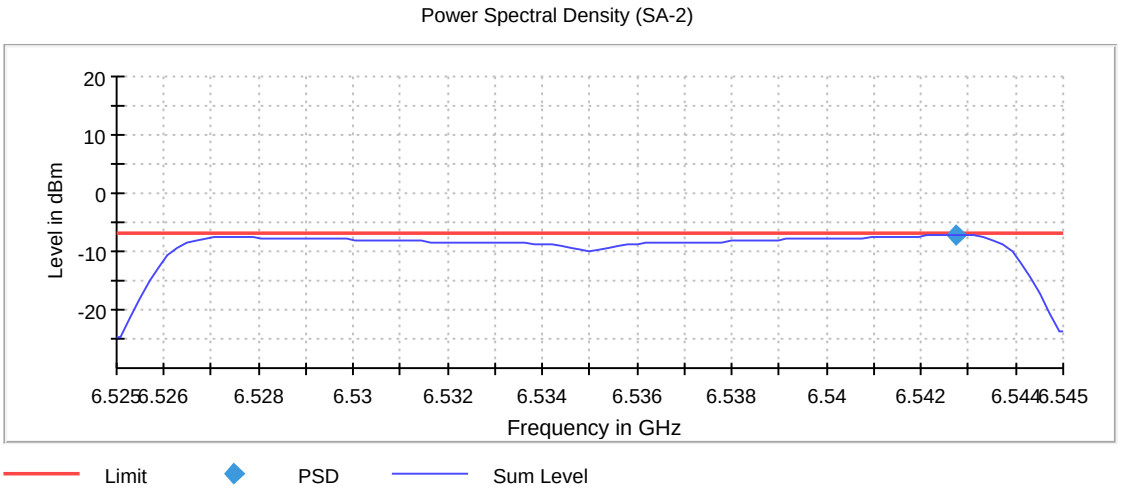
Max level of analyzer (-7.2 dBm) more than 28.0 dB below the nominal power level.

Result

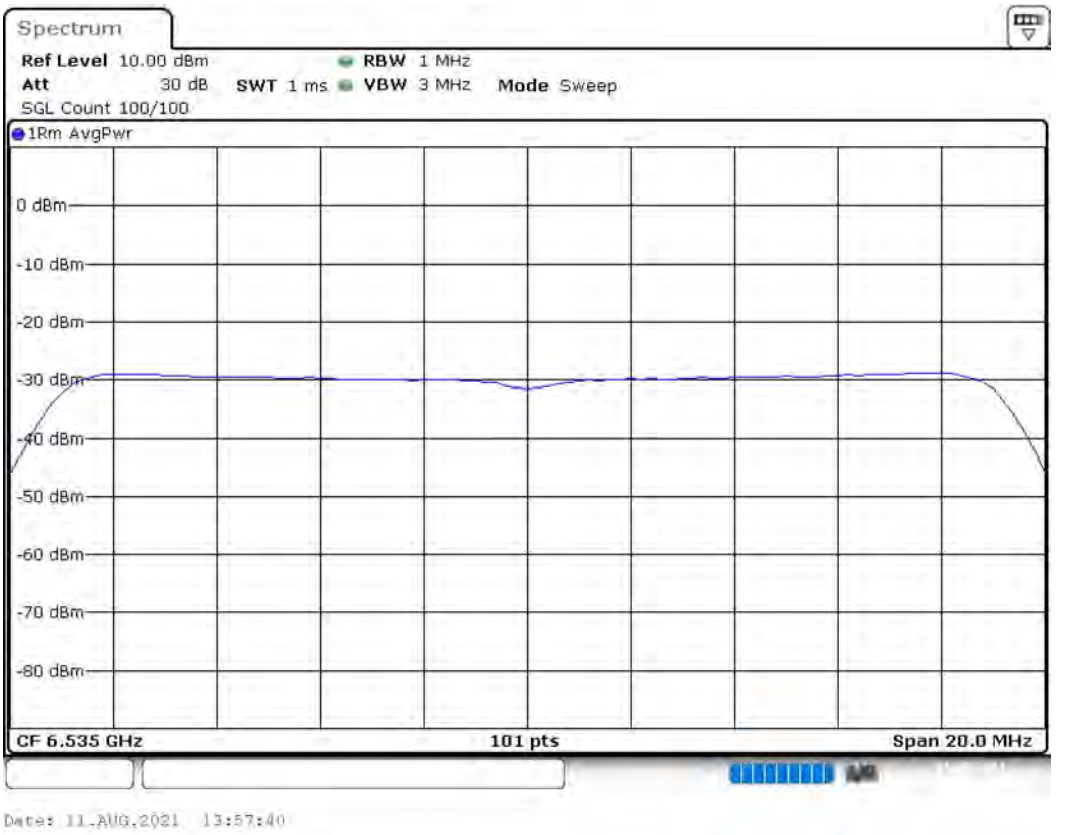
DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6535.000000	6542.722772	-7.167	-7.0	PASS

Ports

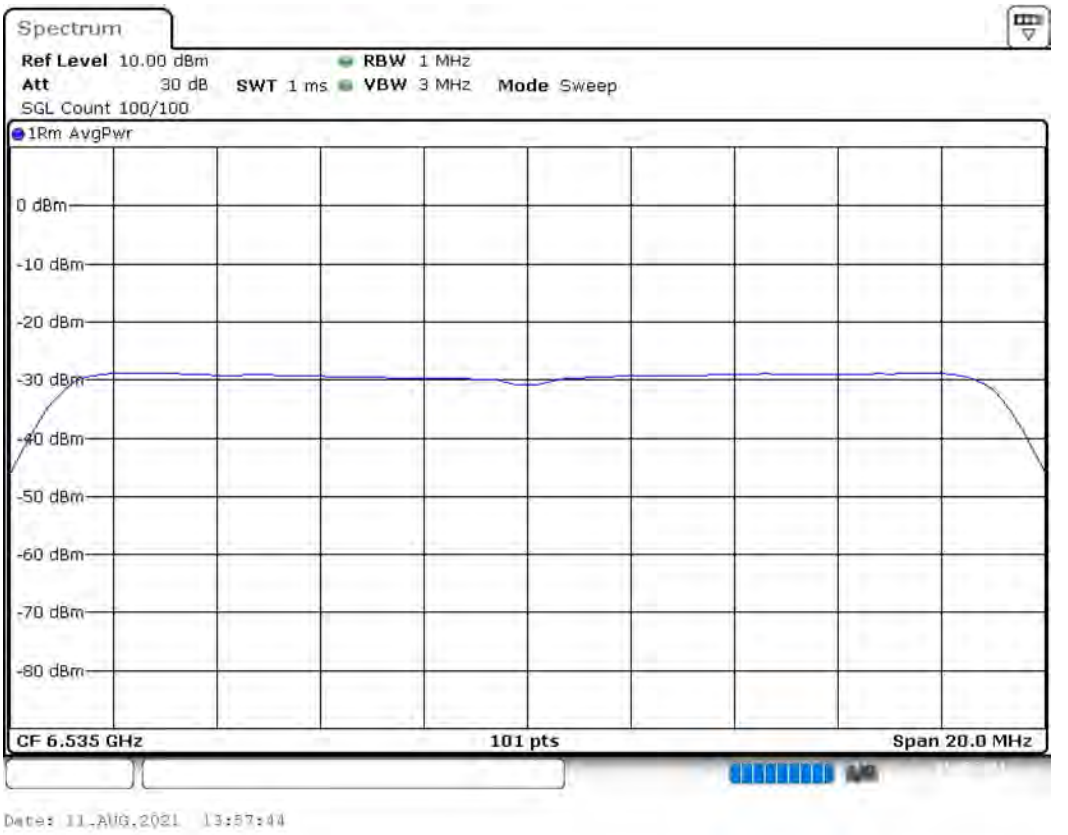
Port	State
1	used
2	used
3	used
4	used



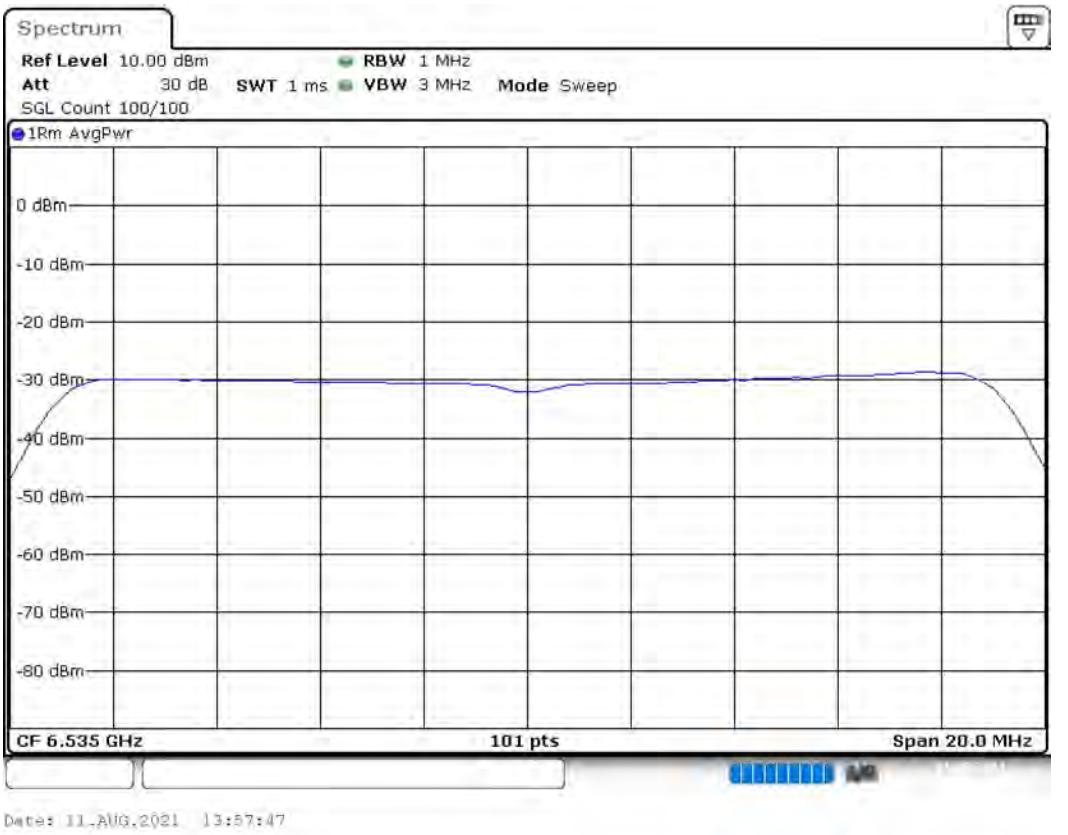
PSD Connector 1



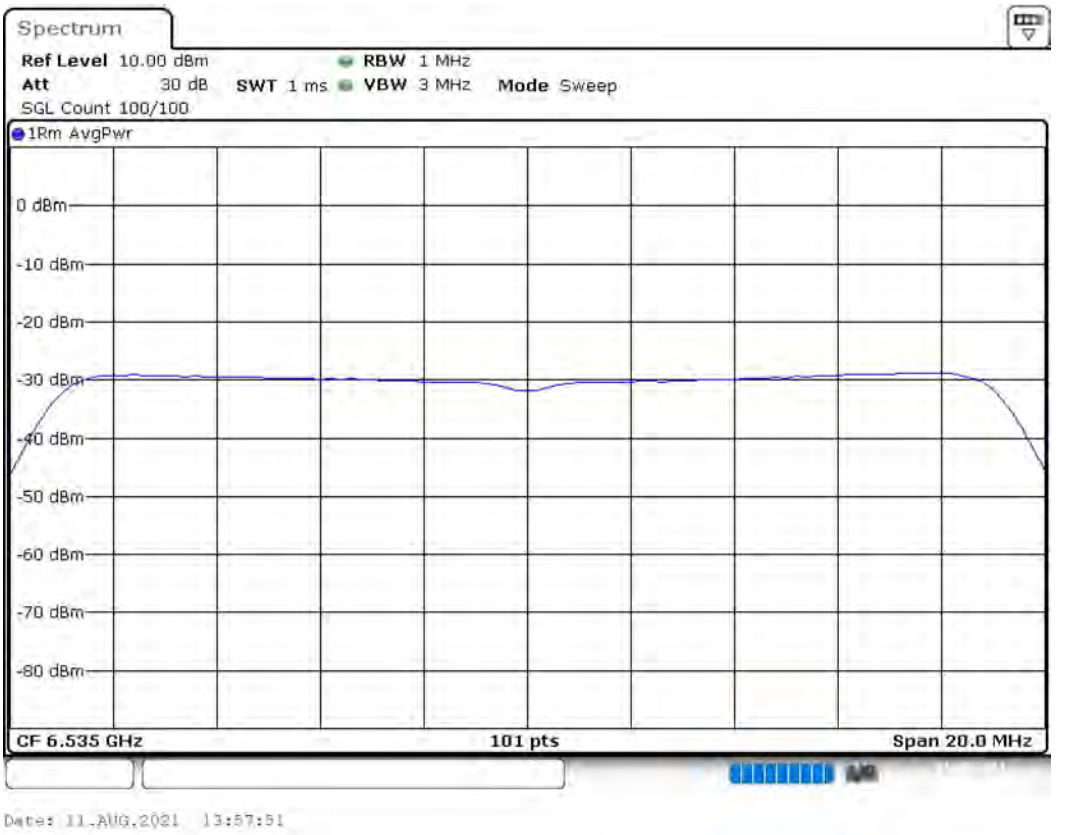
PSD Connector 2



PSD Connector 3



PSD Connector 4



Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.52500 GHz	6.52500 GHz
Stop Frequency	6.54500 GHz	6.54500 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

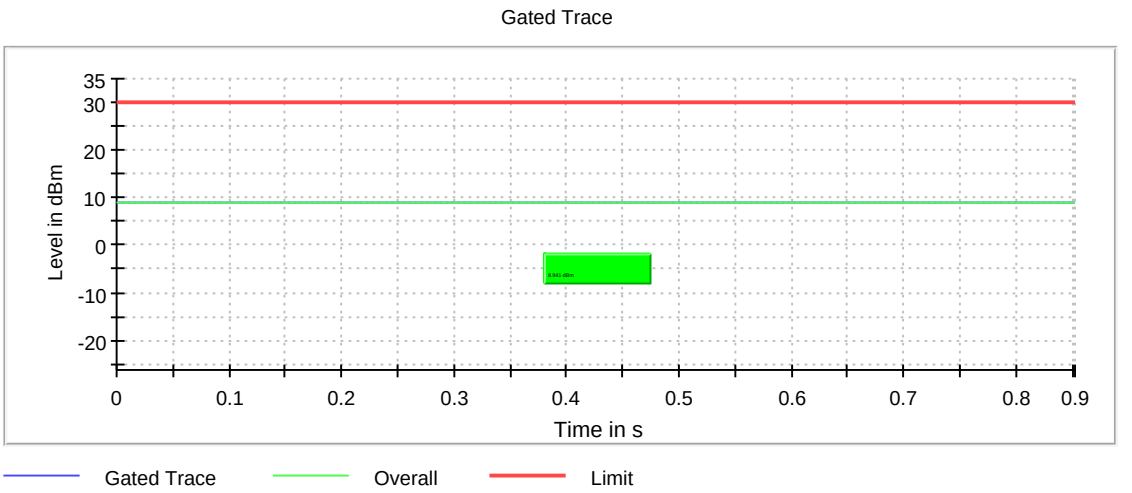
Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
RF output power	6535.000	24.0	20.000000	PASS

RF output power (6535 MHz; 24.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Gated EIRP (dBm)	Limit Max (dBm)	Gated RMS (dBm)	DutyCycle (%)	Result
6535.000000	8.9	30.0	8.9	85.617	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