

MFR - Average Power (EIRP) _ Radiated Peak Power (EIRP) _ OBW (Frequency Stability)

No.1-3031-26-02-56_TR1-A201-R01

September 09, 2026

Test Standard(s)

Systems FCC.ISED - NI

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Authorized

Meheza Walla

Lab Manager
Radio Labs

Table of Content

Systems FCC.ISED # Channel Power	3
Systems FCC.ISED # Peak Power	5
Systems FCC.ISED # Frequency stability over temperature & voltage ~ 76000-81000 MHz	7

Systems FCC.ISED # Channel Power

References

TC start	24.07.2026 11:53:43
Ambit temp (test rack) [°C] humidity [rel%]	not enabled not enabled
System version	6.1.0.0
Standard Version	Systems FCC.ISED NI
Method	
Description	Systems FCC ISED Channel power
Information	

Equipment

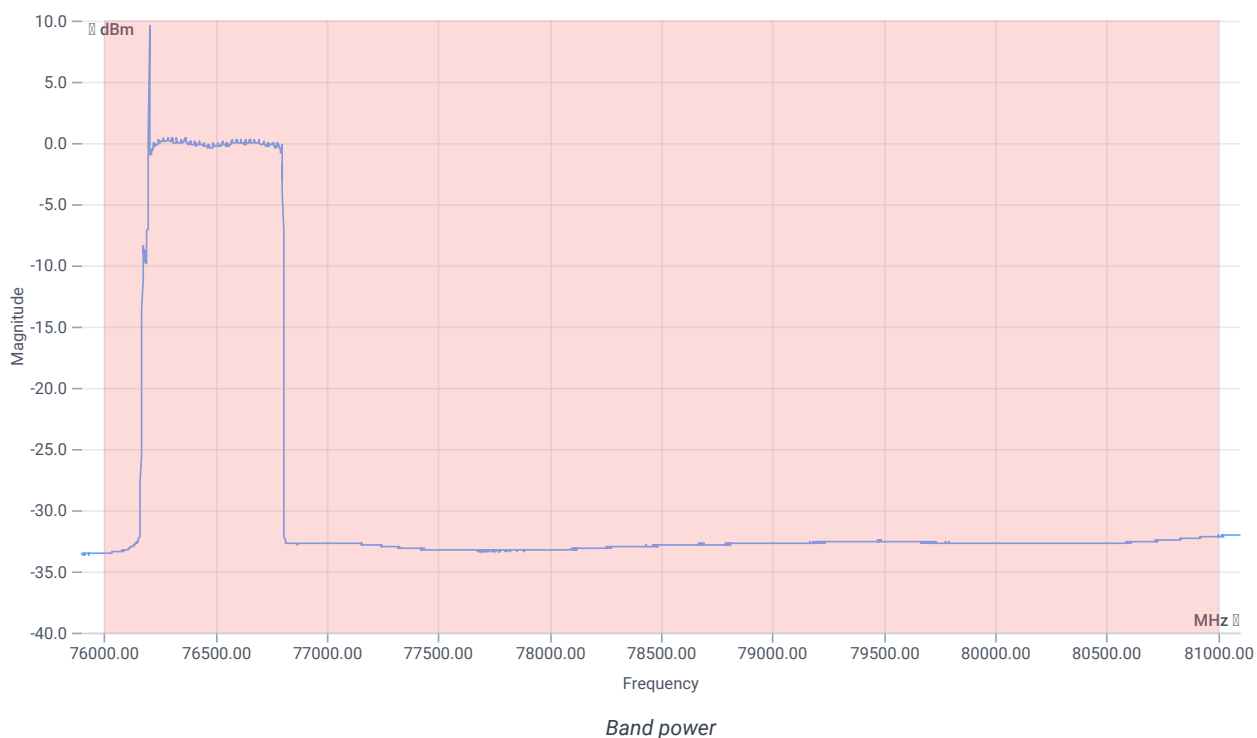
Signal analyzer,Rohde&Schwarz,FSW-85,1312.8000K85/101333,5.30SP1
Power supply,ROHDE&SCHWARZ,HMP2020,121993,HW50010003/SW2.72
Climatic box,CTS,T-40/50,064023,LAN

Test Parameter

Tech/EUT/mode	TID092_1-3031_26-01_76GHz_DUT7-MFR_TnomVnom_CHP_FCC
EUT port	
Temperature	nom
Voltage	nom
Auto control enabled power supply Climatic Box	Yes Yes
Full path type	
Full path name	
Switch bits	

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 56.8 0
Start [MHz] Stop [MHz]	75900.000 81100.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	1100000 1 5201 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Channel power span	---	---	5000	MHz	INFO
Band power		50	27.6	dBm	PASS
Band power	---		575.439937	mW	PASS

Verdict

PASS

Systems FCC.ISED # Peak Power

References

TC start	24.07.2026 06:31:59
Ambit temp (test rack) [°C] humidity [rel%]	not enabled not enabled
System version	6.1.0.0
Standard Version	Systems FCC.ISED NI
Method	
Description	Systems FCC ISED Peak power
Information	

Equipment

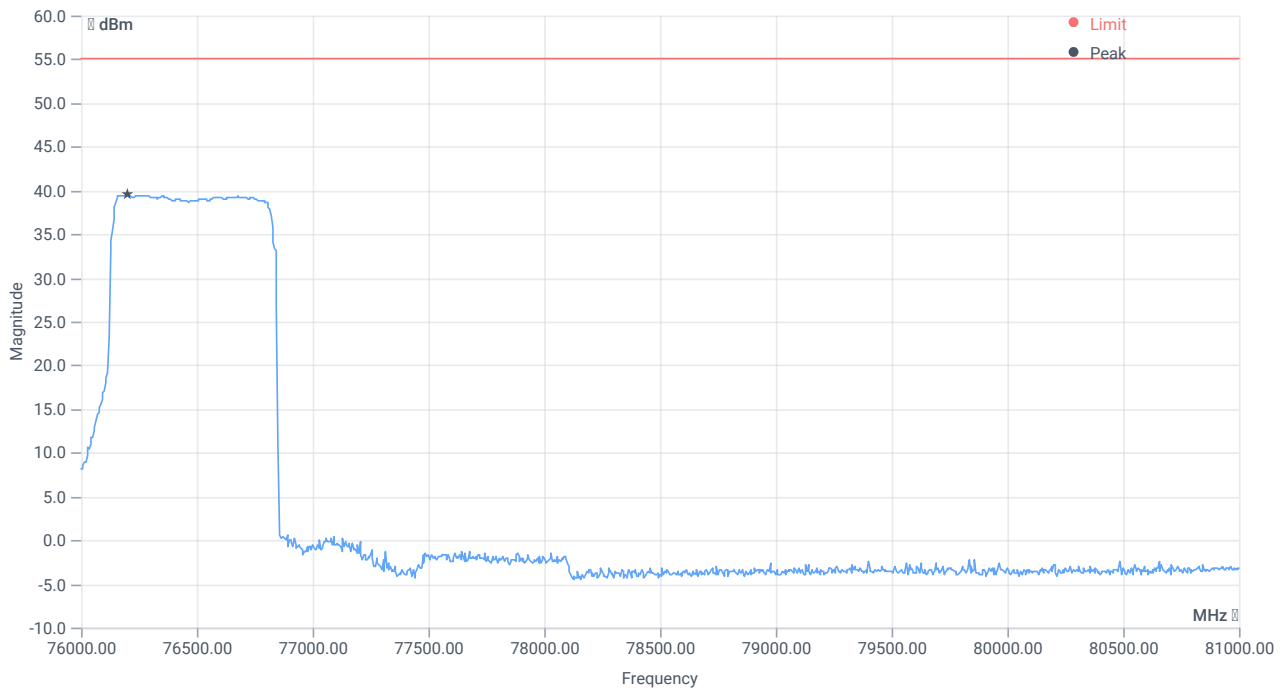
Signal analyzer,Rohde&Schwarz,FSW-85,1312.8000K85/101333,5.30SP1
Power supply,ROHDE&SCHWARZ,HMP2020,121993,HW50010003/SW2.72
Climatic box,CTS,T-40/50,064023,LAN

Test Parameter

Tech/EUT/mode	TID077_1-3031_26-01_76GHz_DUT7-MFR_TnomVnom_PP_FCC
EUT port	
Temperature	nom
Voltage	nom
Auto control enabled power supply Climatic Box	Yes Yes
Full path type	
Full path name	
Switch bits	

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 56.8 0
Start [MHz] Stop [MHz]	76000.000 81000.000
RBW [MHz] VBW [MHz]	50.000000 80.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	350000 1 1001 SWE



Peak output power

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	55	39.49	dBm	PASS
Peak power	---		8892.011179	mW	PASS
Frequency at peak	---	---	76202.3	MHz	INFO

Verdict

PASS

Systems FCC.ISED # Frequency stability over temperature & voltage ~ 76000-81000 MHz

References

TC start	23.07.2026 20:16:47
Ambit temp (test rack) [°C] humidity [rel%]	not enabled not enabled
System version	6.1.0.0
Standard Version	Systems FCC.ISED NI
Method	
Description	Systems FCC ISED Freq stability over temp/volt
Information	

Equipment

Signal analyzer,Rohde&Schwarz,FSW-85,1312.8000K85/101333,5.30SP1
Power supply,ROHDE&SCHWARZ,HMP2020,121993,HW50010003/SW2.72
Climatic box,CTS,T-40/50,064023,LAN

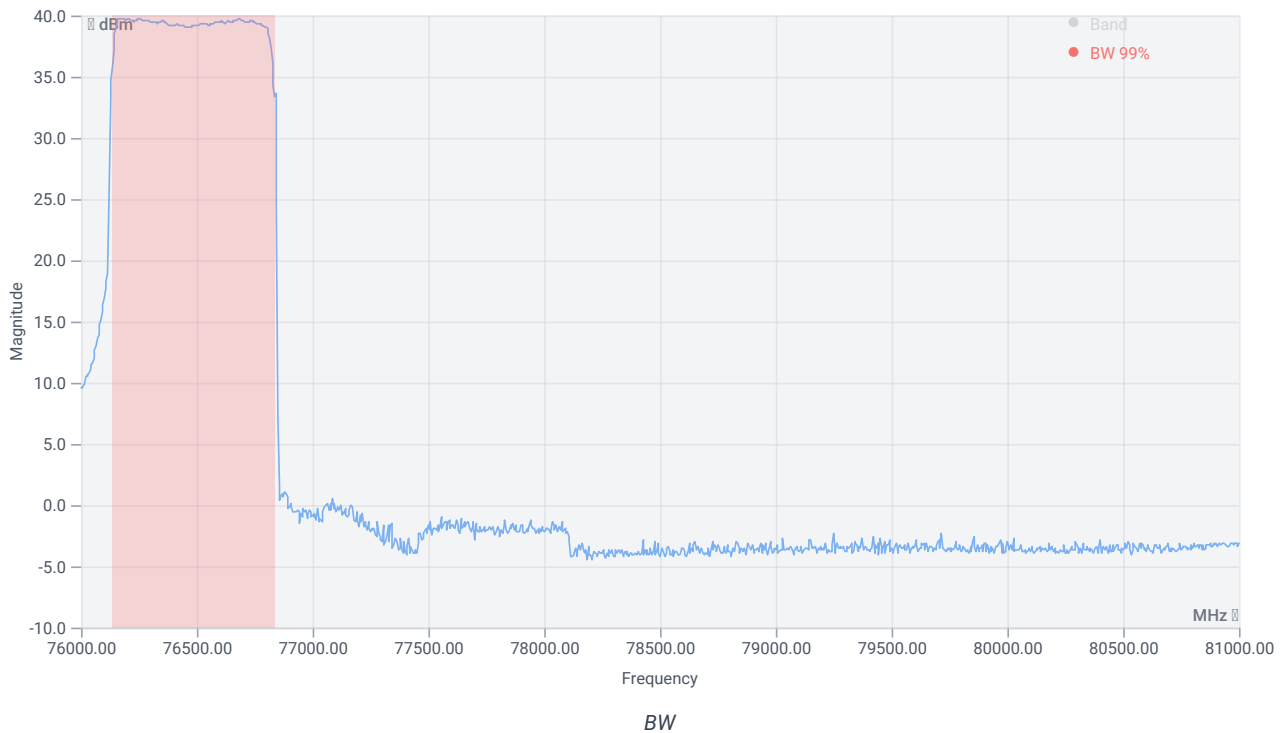
Test Parameter

Tech/EUT/mode	TID051_1-3031_26-01_76GHz_DUT7-MFR_TnomVnom_FCC_FS
EUT port	
Temperature	var
Voltage	var
Auto control enabled power supply Climatic Box	Yes Yes
Full path type	
Full path name	
Switch bits	

Test for temperature[°C]: 20 | voltage [V]: 12

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 56.8 0
Start [MHz] Stop [MHz]	76000.000 81000.000
RBW [MHz] VBW [MHz]	50.000000 80.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	350000 1 1001 SWE



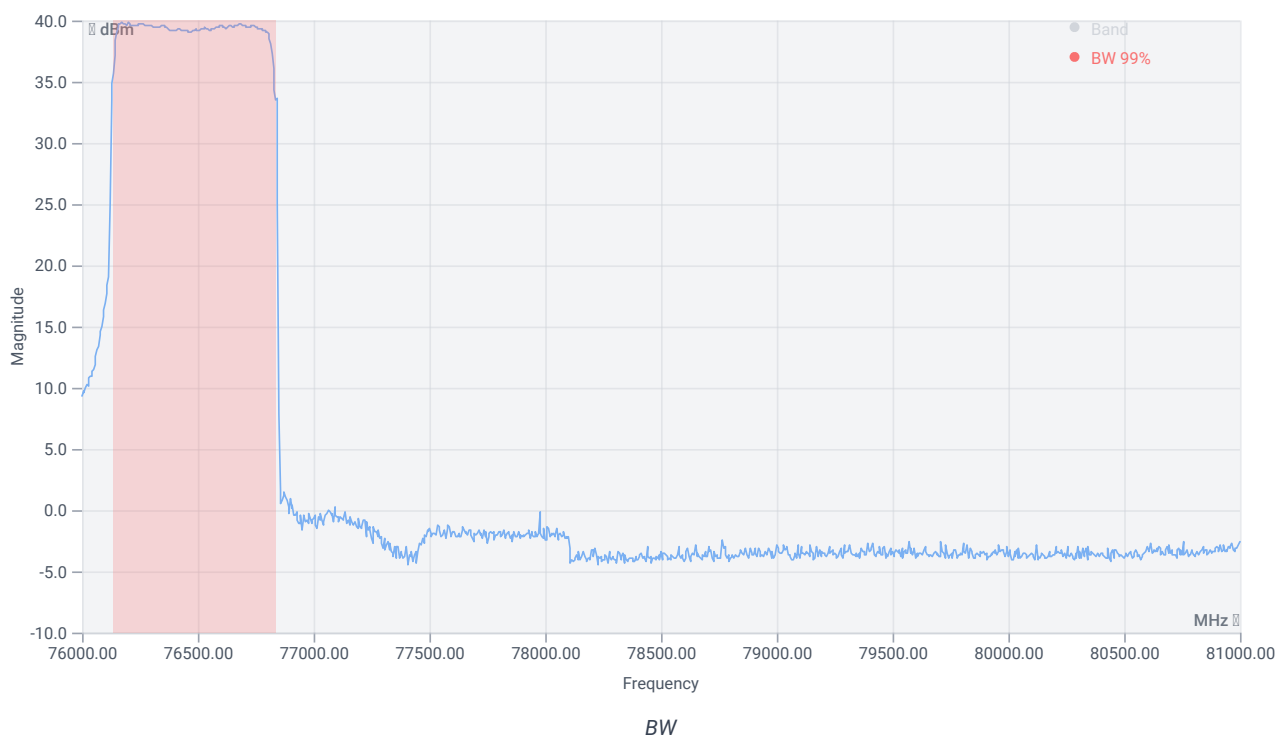
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	697.964	MHz	INFO
T1 99%	76000	---	76134.6176	MHz	PASS
T2 99%	---	81000	76832.5819	MHz	PASS

Test for temperature[°C]: 20 | voltage [V]: 10.2

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 56.8 0
Start [MHz] Stop [MHz]	76000.000 81000.000
RBW [MHz] VBW [MHz]	50.000000 80.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	350000 1 1001 SWE



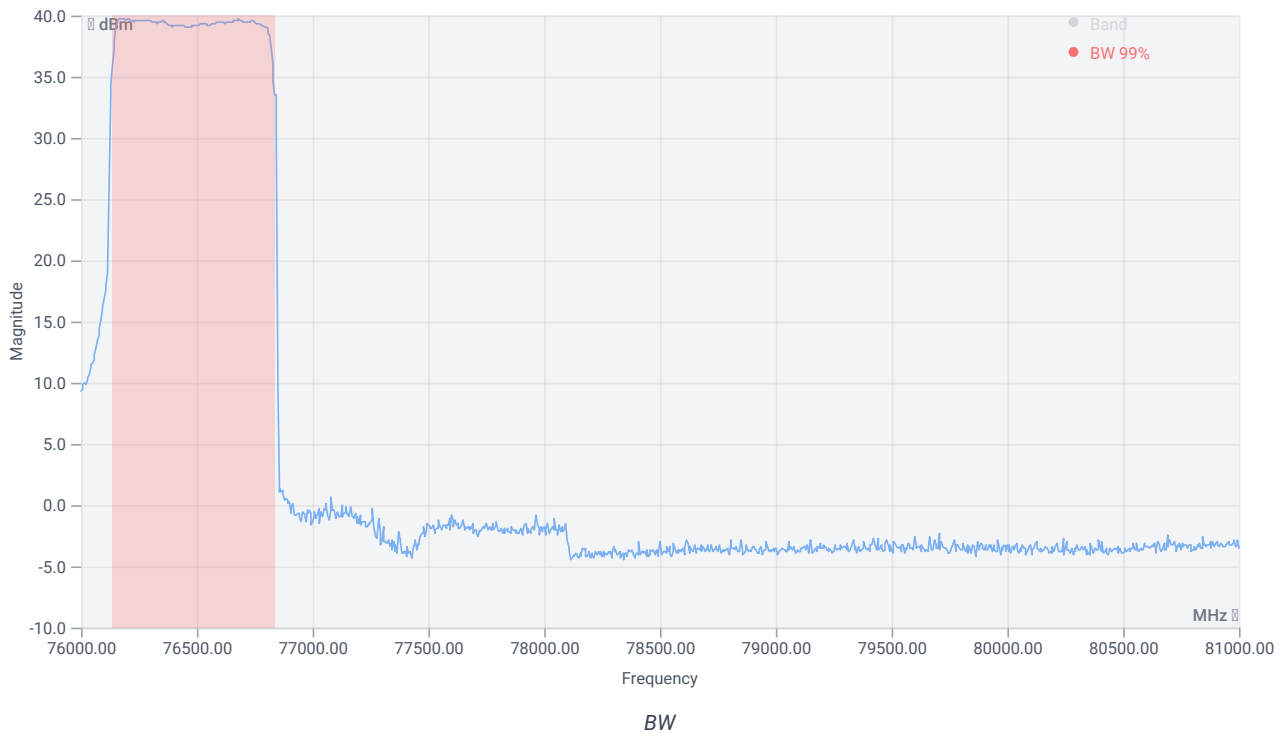
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	698.191	MHz	INFO
T1 99%	76000	---	76134.5652	MHz	PASS
T2 99%	---	81000	76832.7565	MHz	PASS

Test for temperature[°C]: 20 | voltage [V]: 13.8

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 56.8 0
Start [MHz] Stop [MHz]	76000.000 81000.000
RBW [MHz] VBW [MHz]	50.000000 80.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	350000 1 1001 SWE



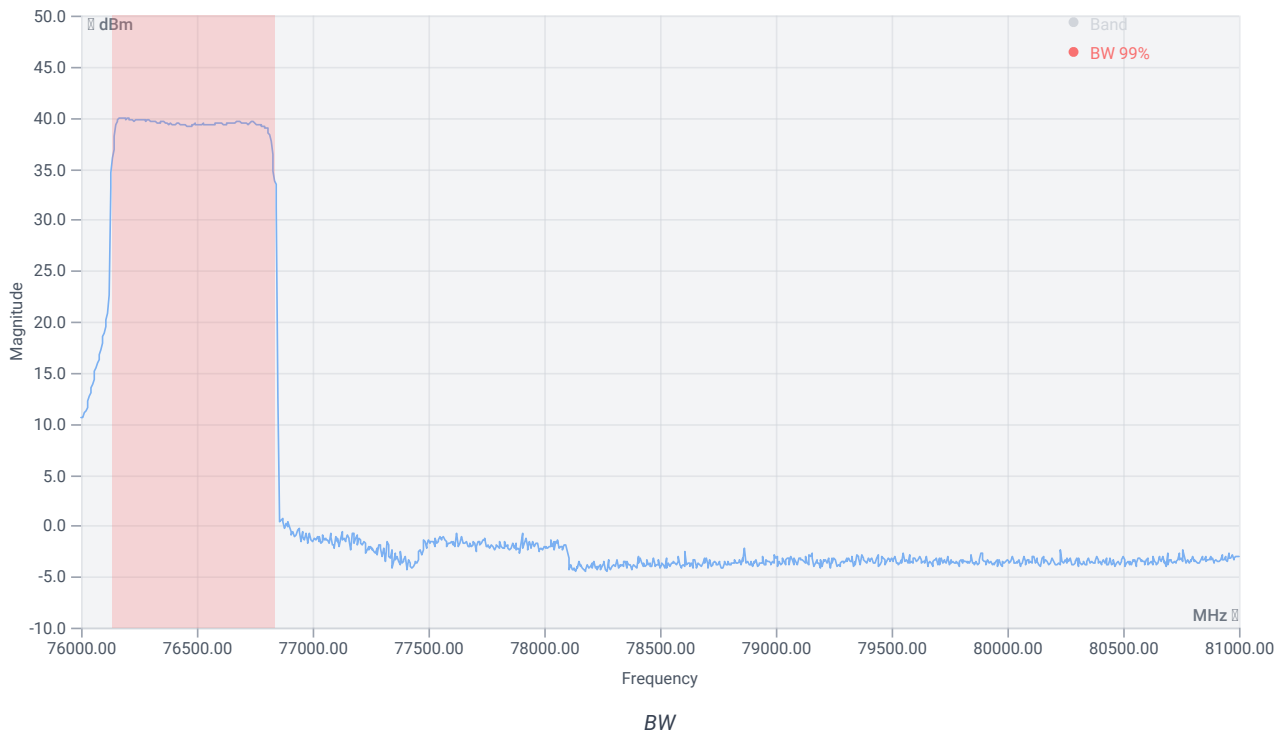
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	699.414	MHz	INFO
T1 99%	76000	---	76134.8877	MHz	PASS
T2 99%	---	81000	76834.3013	MHz	PASS

Test for temperature[°C]: -40 | voltage [V]: 12

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 56.8 0
Start [MHz] Stop [MHz]	76000.000 81000.000
RBW [MHz] VBW [MHz]	50.000000 80.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	350000 1 1001 SWE



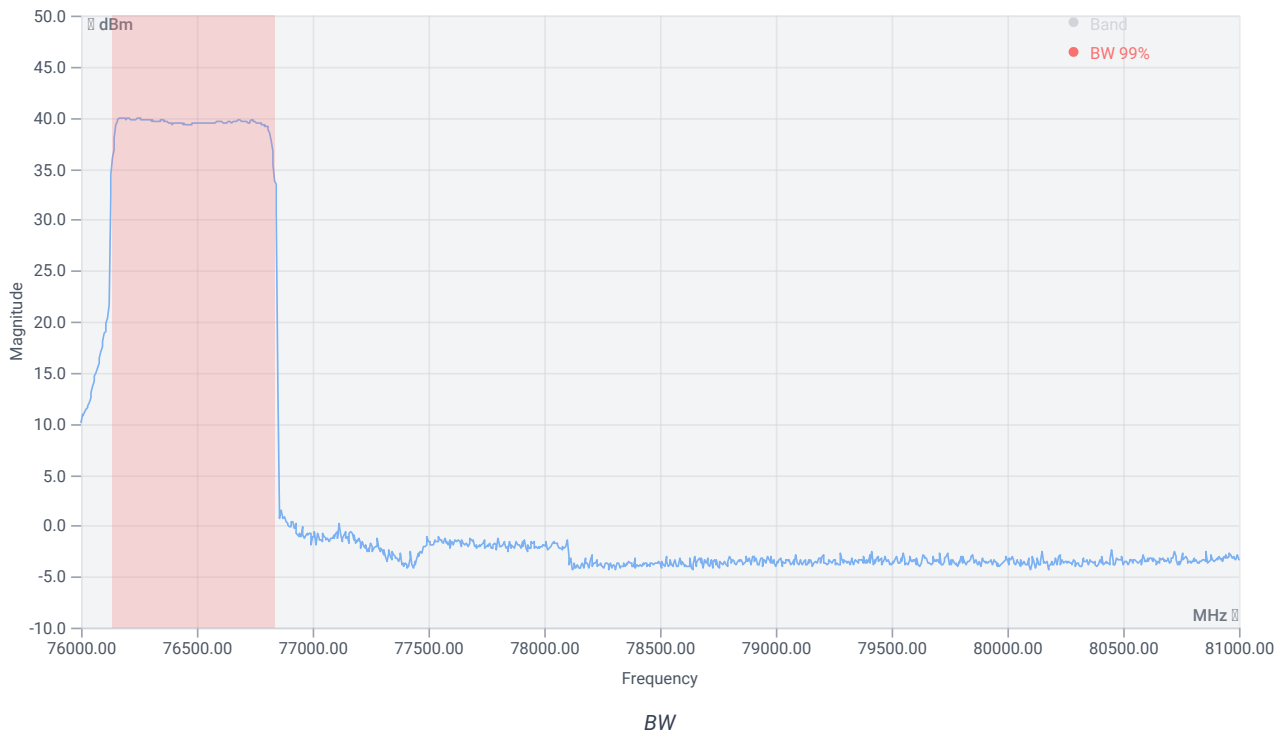
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	699.518	MHz	INFO
T1 99%	76000	---	76135.0085	MHz	PASS
T2 99%	---	81000	76834.5265	MHz	PASS

Test for temperature[°C]: -30 | voltage [V]: 12

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 56.8 0
Start [MHz] Stop [MHz]	76000.000 81000.000
RBW [MHz] VBW [MHz]	50.000000 80.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	350000 1 1001 SWE



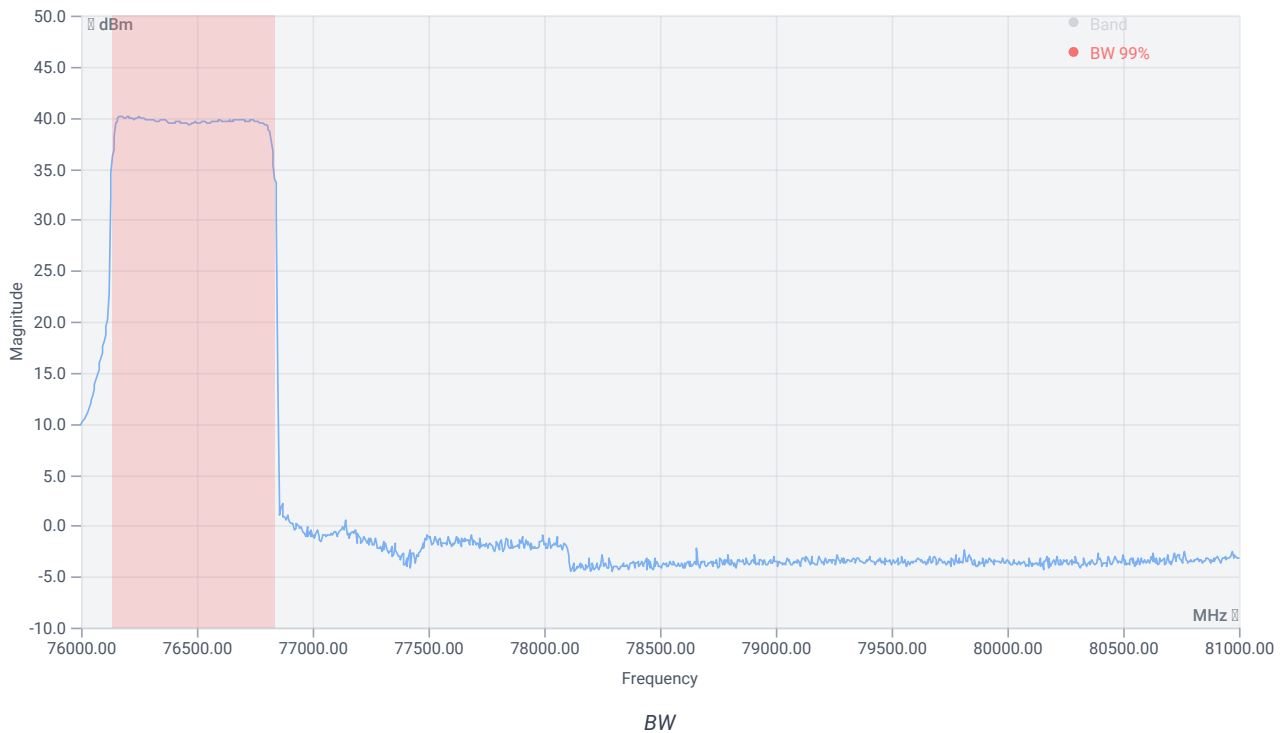
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	698.396	MHz	INFO
T1 99%	76000	---	76135.7666	MHz	PASS
T2 99%	---	81000	76834.1627	MHz	PASS

Test for temperature[°C]: -20 | voltage [V]: 12

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 56.8 0
Start [MHz] Stop [MHz]	76000.000 81000.000
RBW [MHz] VBW [MHz]	50.000000 80.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	350000 1 1001 SWE



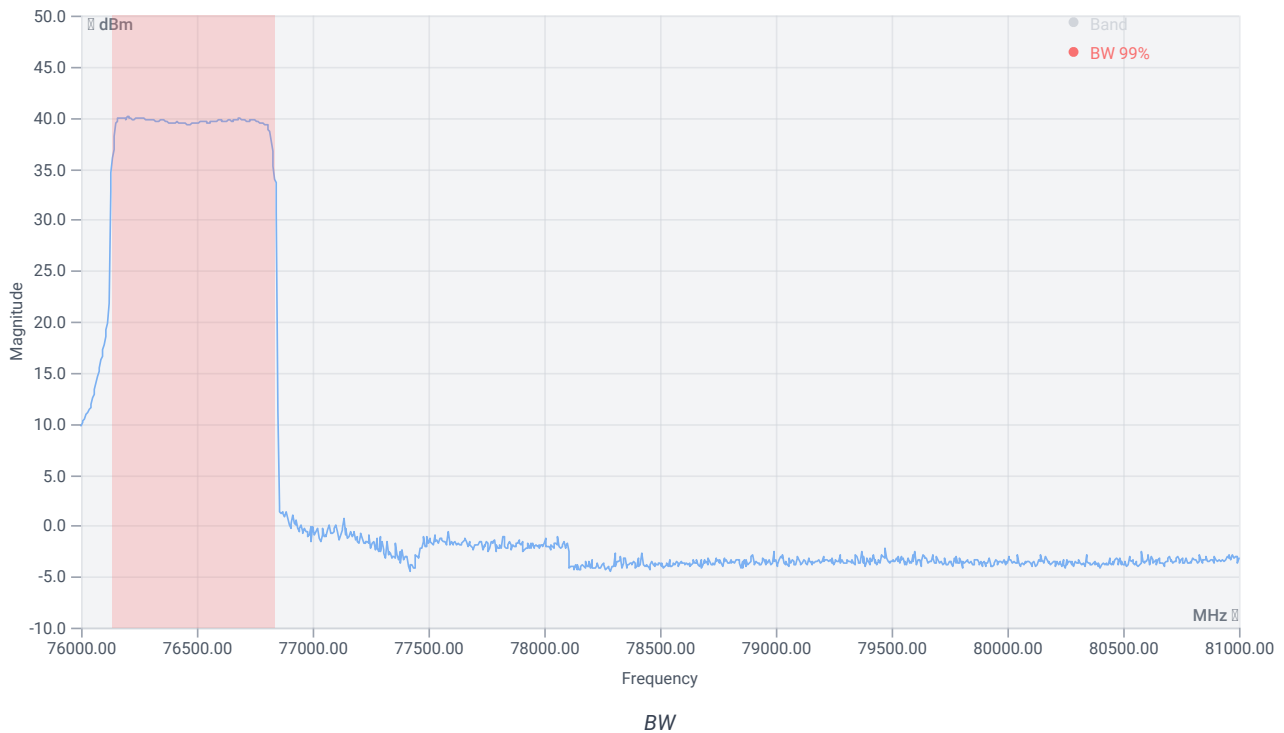
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	698.156	MHz	INFO
T1 99%	76000	---	76135.8941	MHz	PASS
T2 99%	---	81000	76834.0503	MHz	PASS

Test for temperature[°C]: -10 | voltage [V]: 12

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 56.8 0
Start [MHz] Stop [MHz]	76000.000 81000.000
RBW [MHz] VBW [MHz]	50.000000 80.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	350000 1 1001 SWE



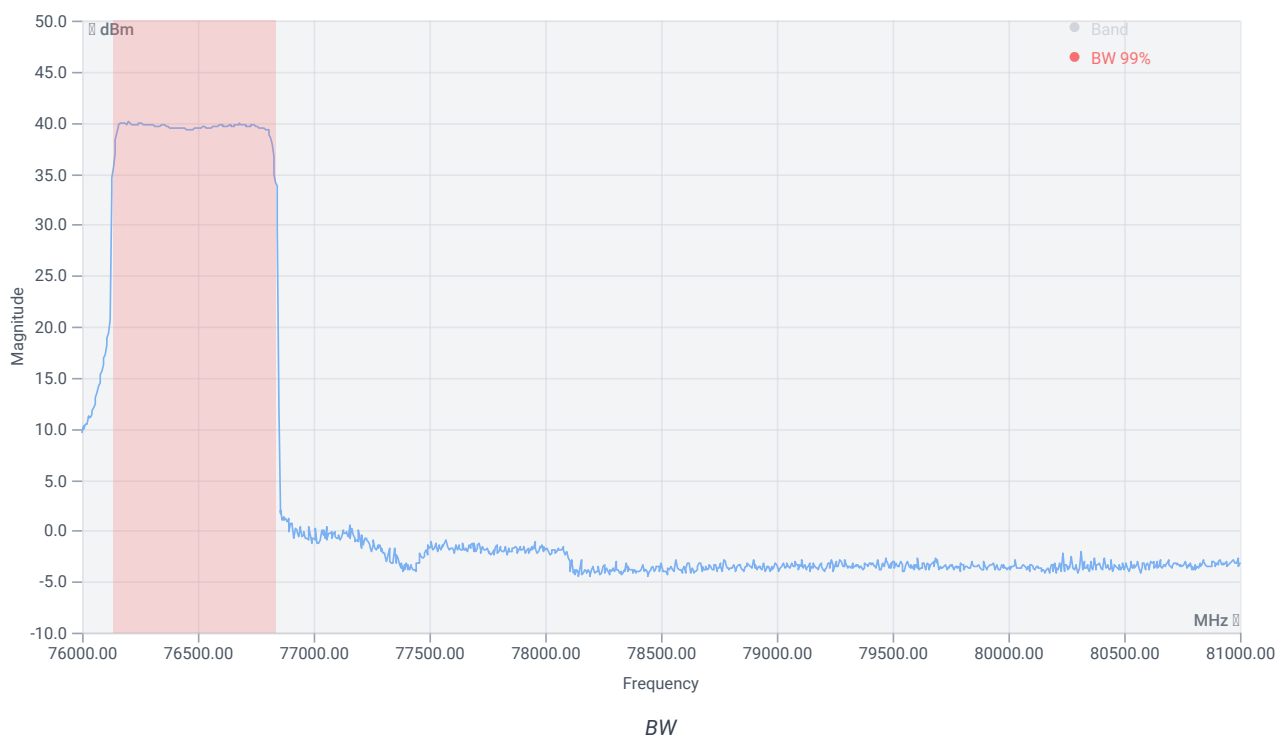
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	698.546	MHz	INFO
T1 99%	76000	---	76135.7444	MHz	PASS
T2 99%	---	81000	76834.2903	MHz	PASS

Test for temperature[°C]: 0 | voltage [V]: 12

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 56.8 0
Start [MHz] Stop [MHz]	76000.000 81000.000
RBW [MHz] VBW [MHz]	50.000000 80.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	350000 1 1001 SWE



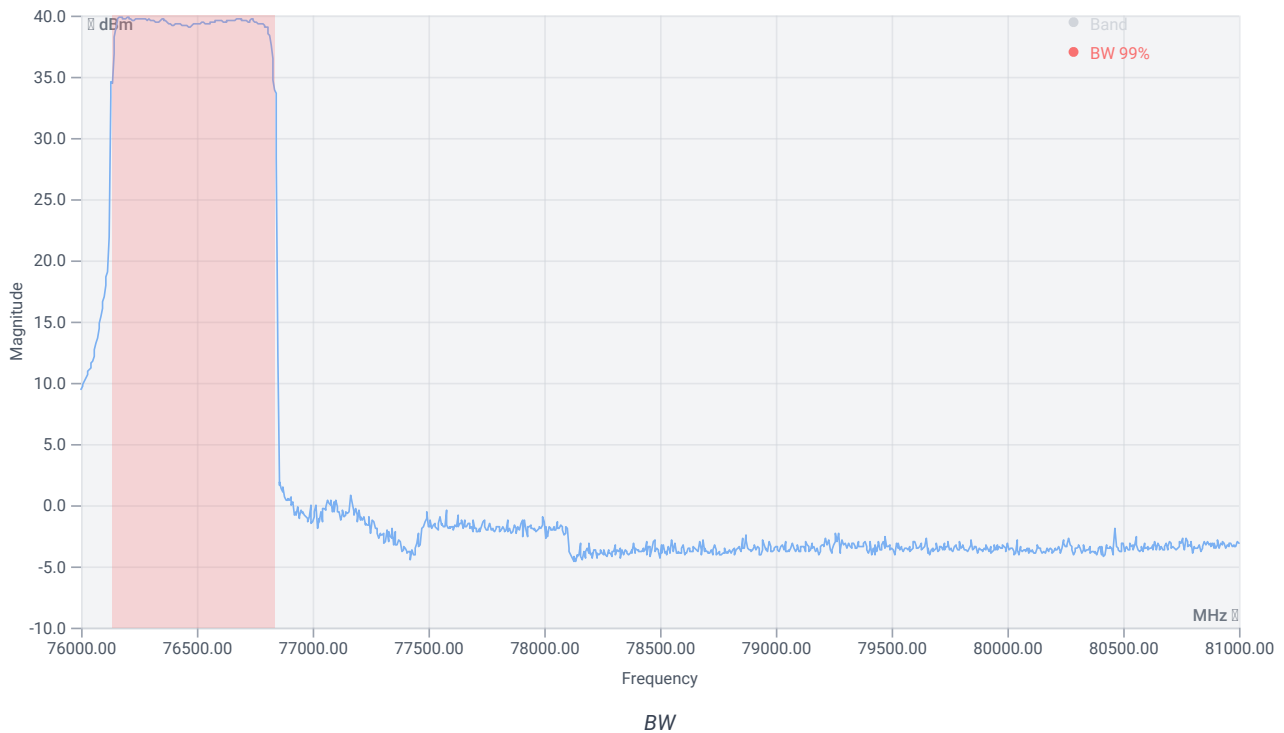
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	698.639	MHz	INFO
T1 99%	76000	---	76135.4356	MHz	PASS
T2 99%	---	81000	76834.0749	MHz	PASS

Test for temperature[°C]: 10 | voltage [V]: 12

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 56.8 0
Start [MHz] Stop [MHz]	76000.000 81000.000
RBW [MHz] VBW [MHz]	50.000000 80.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	350000 1 1001 SWE



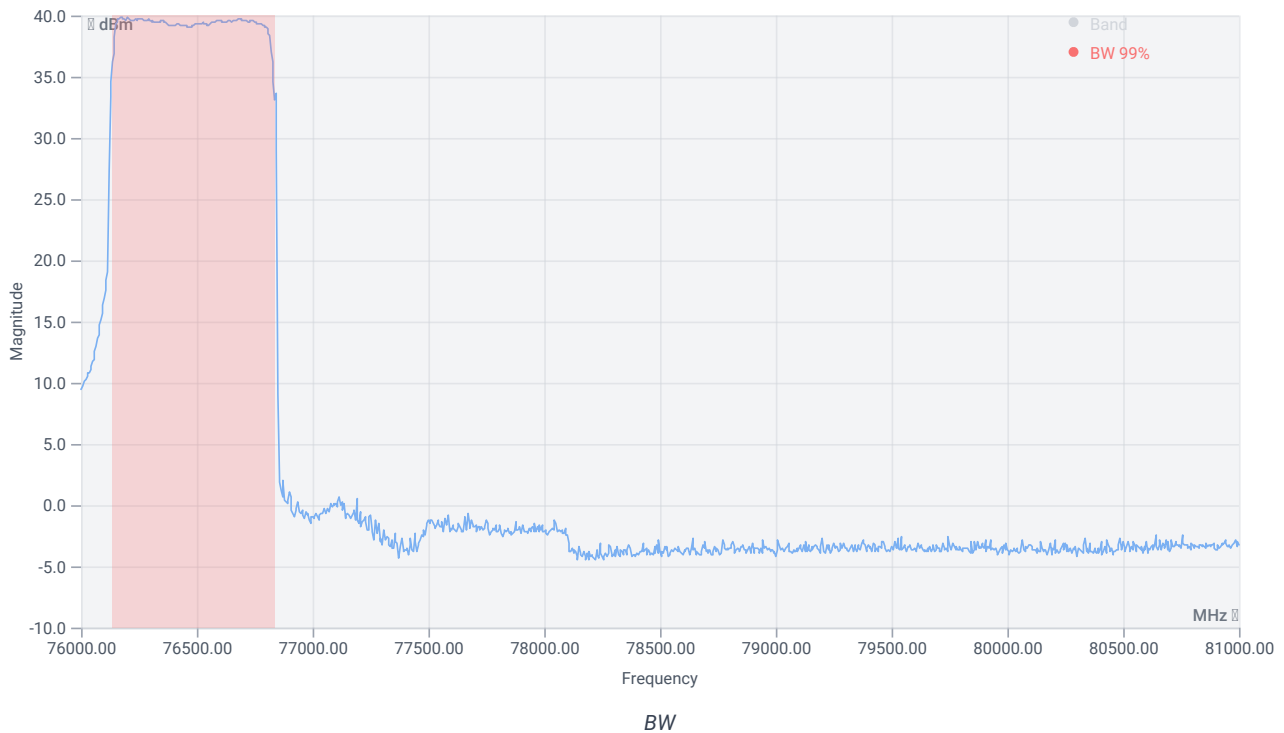
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	698.313	MHz	INFO
T1 99%	76000	---	76135.4111	MHz	PASS
T2 99%	---	81000	76833.7238	MHz	PASS

Test for temperature[°C]: 20 | voltage [V]: 12

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 56.8 0
Start [MHz] Stop [MHz]	76000.000 81000.000
RBW [MHz] VBW [MHz]	50.000000 80.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	350000 1 1001 SWE



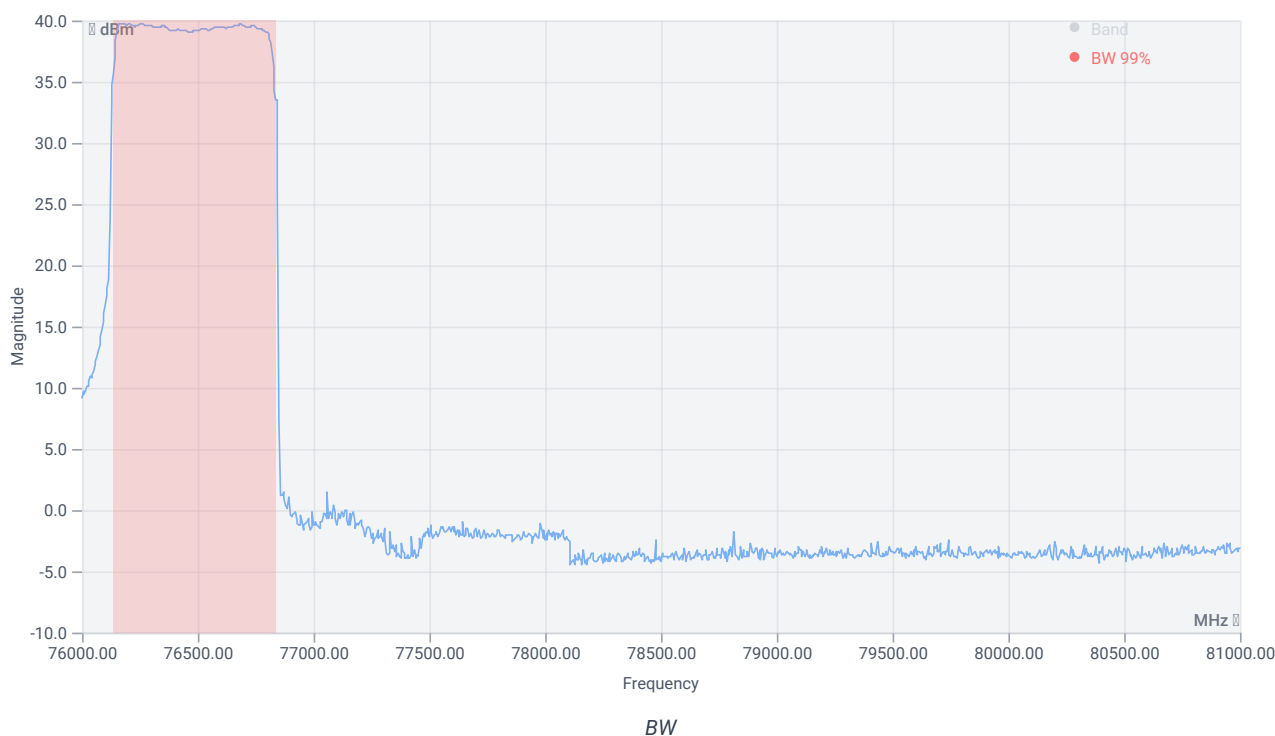
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	698.695	MHz	INFO
T1 99%	76000	---	76134.6813	MHz	PASS
T2 99%	---	81000	76833.3764	MHz	PASS

Test for temperature[°C]: 30 | voltage [V]: 12

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 56.8 0
Start [MHz] Stop [MHz]	76000.000 81000.000
RBW [MHz] VBW [MHz]	50.000000 80.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	350000 1 1001 SWE



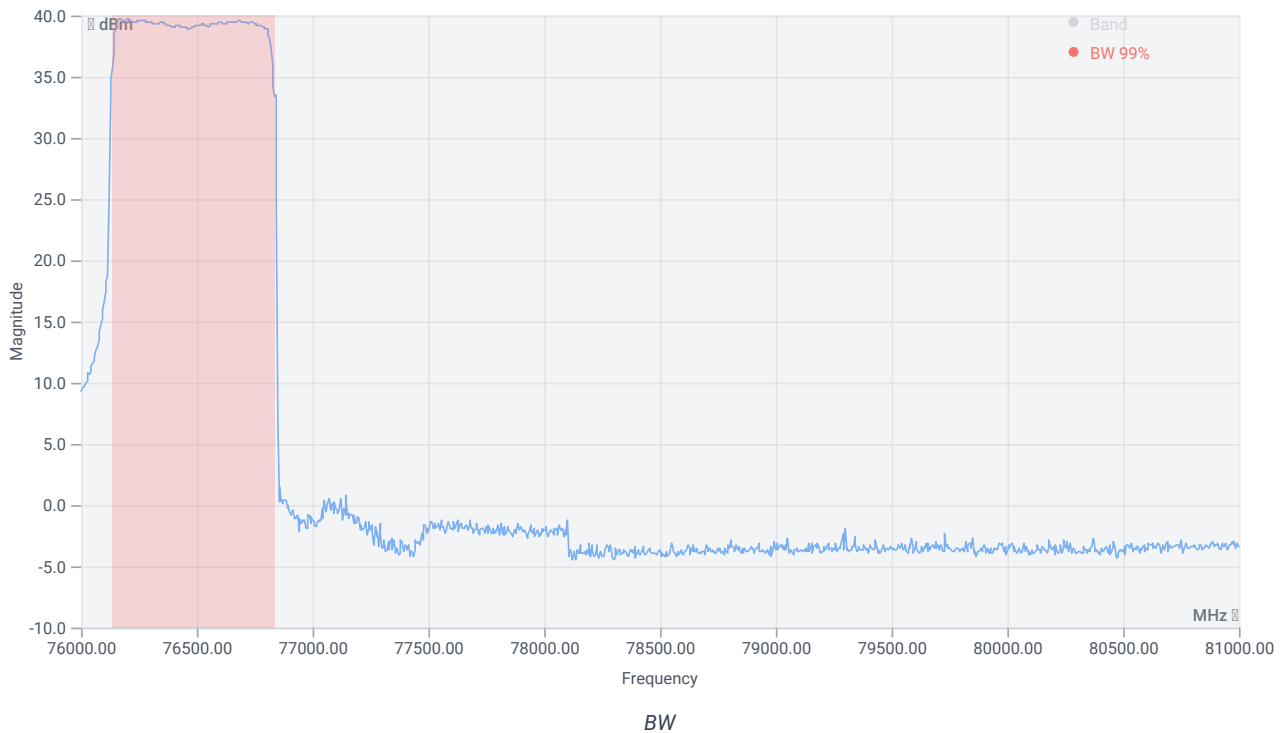
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	698.054	MHz	INFO
T1 99%	76000	---	76134.8076	MHz	PASS
T2 99%	---	81000	76832.8614	MHz	PASS

Test for temperature[°C]: 40 | voltage [V]: 12

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 56.8 0
Start [MHz] Stop [MHz]	76000.000 81000.000
RBW [MHz] VBW [MHz]	50.000000 80.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	350000 1 1001 SWE



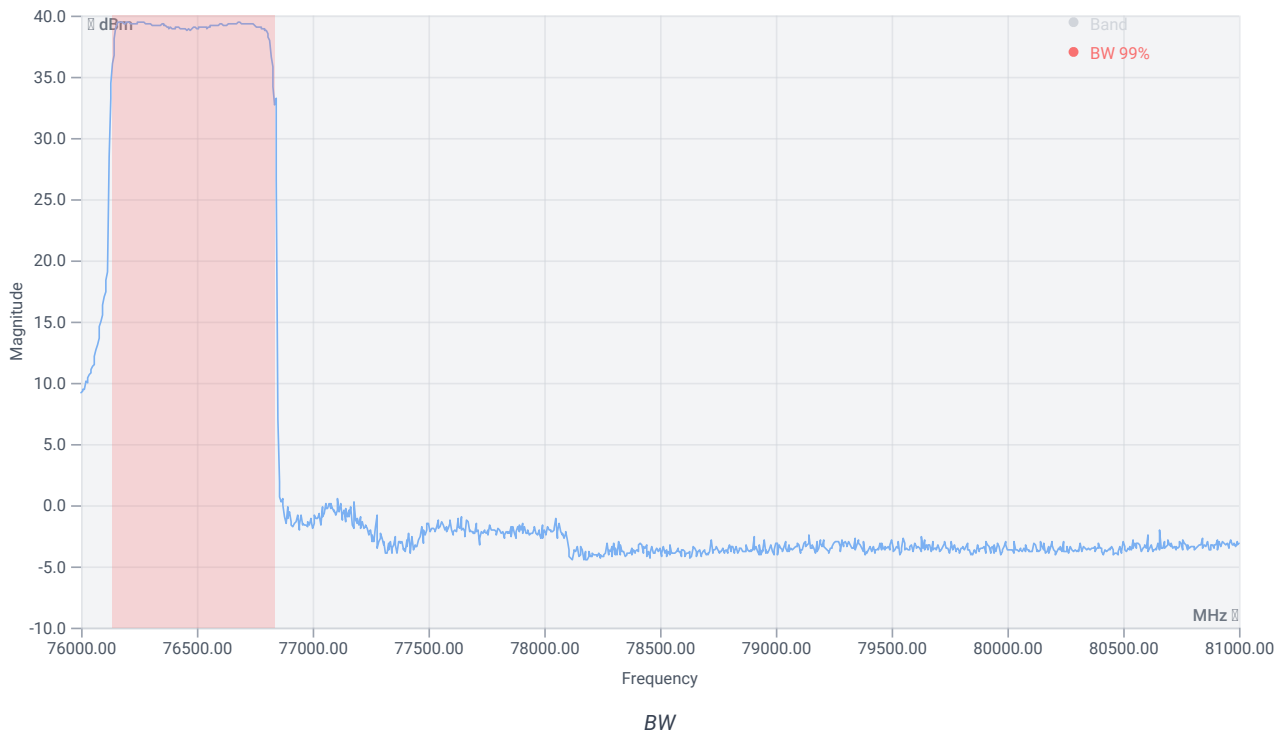
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	698.360	MHz	INFO
T1 99%	76000	---	76134.3701	MHz	PASS
T2 99%	---	81000	76832.7303	MHz	PASS

Test for temperature[°C]: 50 | voltage [V]: 12

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 56.8 0
Start [MHz] Stop [MHz]	76000.000 81000.000
RBW [MHz] VBW [MHz]	50.000000 80.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	350000 1 1001 SWE



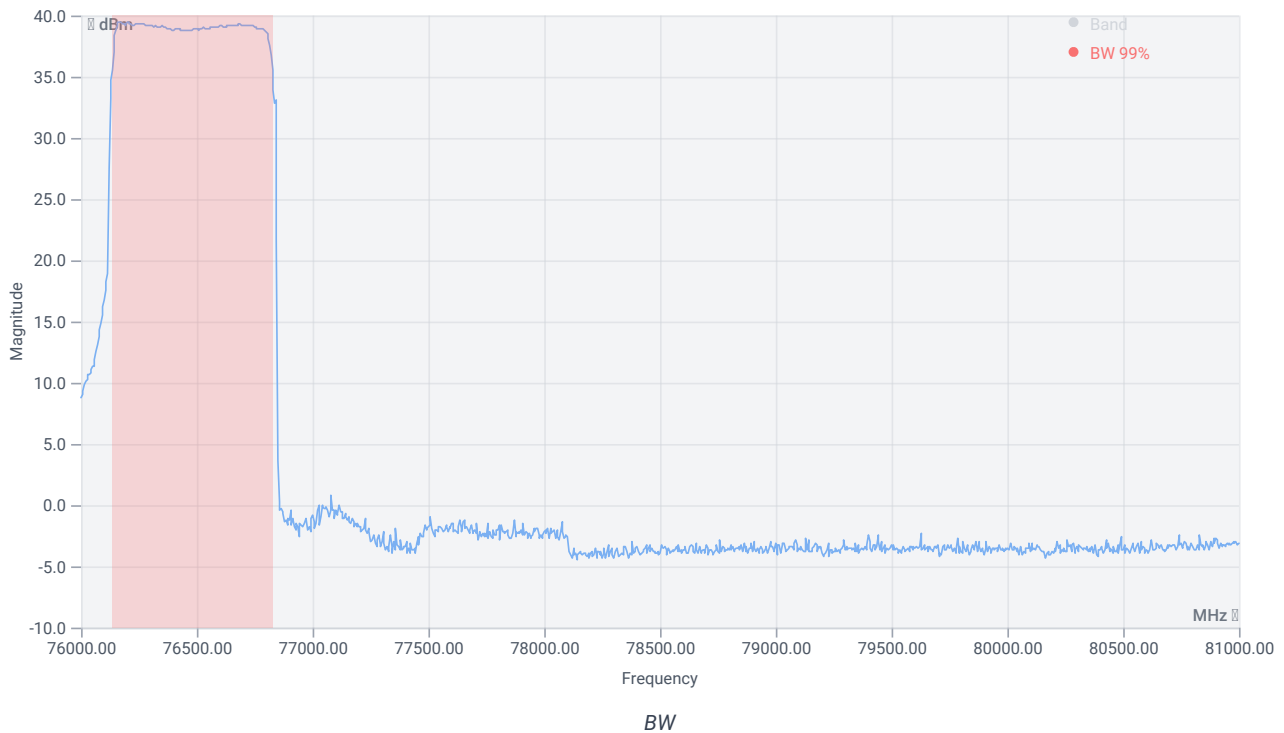
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	698.493	MHz	INFO
T1 99%	76000	---	76134.0121	MHz	PASS
T2 99%	---	81000	76832.5052	MHz	PASS

Test for temperature[°C]: 60 | voltage [V]: 12

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 56.8 0
Start [MHz] Stop [MHz]	76000.000 81000.000
RBW [MHz] VBW [MHz]	50.000000 80.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	350000 1 1001 SWE



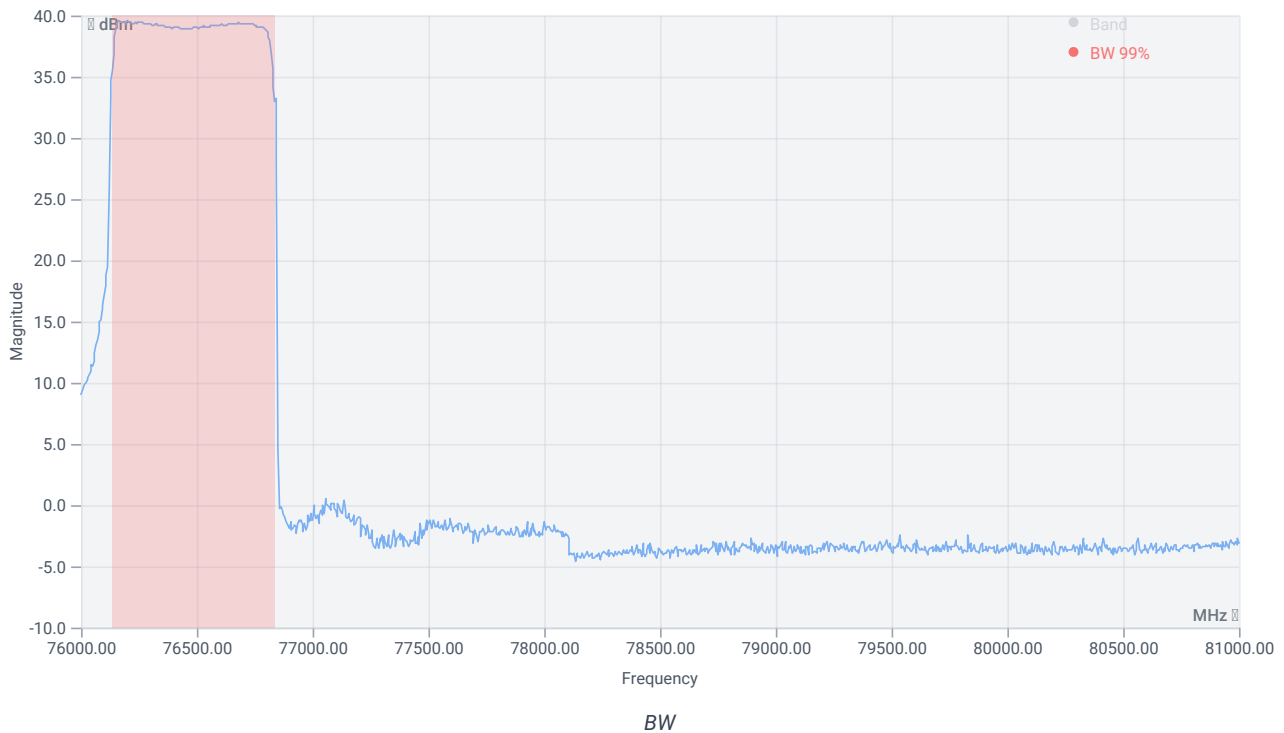
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	698.326	MHz	INFO
T1 99%	76000	---	76133.7595	MHz	PASS
T2 99%	---	81000	76832.0860	MHz	PASS

Test for temperature[°C]: 70 | voltage [V]: 12

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 56.8 0
Start [MHz] Stop [MHz]	76000.000 81000.000
RBW [MHz] VBW [MHz]	50.000000 80.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	350000 1 1001 SWE



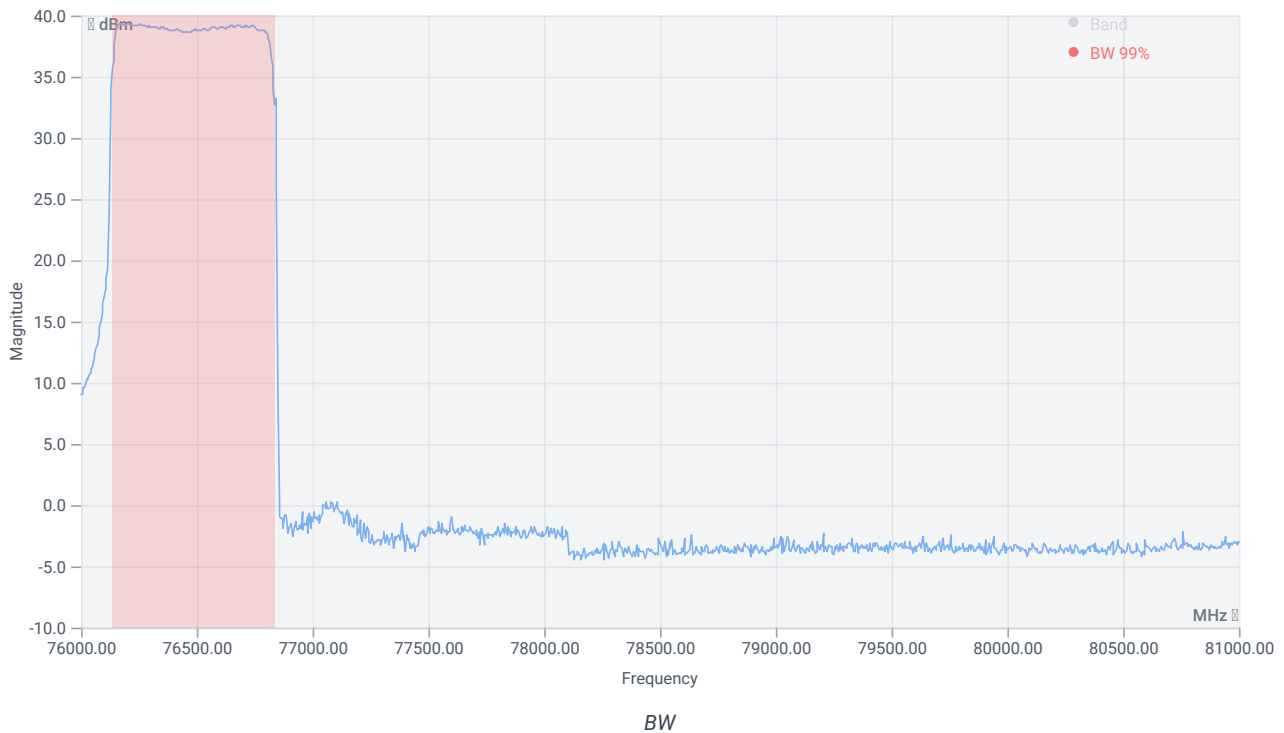
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	698.927	MHz	INFO
T1 99%	76000	---	76134.1596	MHz	PASS
T2 99%	---	81000	76833.0861	MHz	PASS

Test for temperature[°C]: 80 | voltage [V]: 12

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	40.00 56.8 0
Start [MHz] Stop [MHz]	76000.000 81000.000
RBW [MHz] VBW [MHz]	50.000000 80.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	350000 1 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	697.680	MHz	INFO
T1 99%	76000	---	76135.2490	MHz	PASS
T2 99%	---	81000	76832.9293	MHz	PASS

Verdict

PASS

- END OF DOCUMENT -