

Annex A201 - Frequency stability

No.1-9898-25-01-03_TR1-A201-R01

May 07, 2025

Test Standard(s)

NA - NI

Systems FCC.ISED - NI

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Authorized

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NA # Power supply and clima box control ~

References

TC start	06.05.2025 14:12:26
Ambit temp (test rack) [°C] humidity [rel%]	not enabled not enabled
System version	5.1.9.0
Standard Version	NA NI
Method	
Description	Power Supply & Clima Box
Information	

Equipment

Power supply,Agilent Technologies,N5767A,US14J1569P,B.00.06,REV:F
 Climatic box,CTS,T-40/50,064023,LAN

Test parameter

Switched path	None
Temperature	nom
Voltage	nom

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Power supply: switched off					

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Clima box: switched off					

Verdict

INFO

Systems FCC.ISED # Frequency stability over temperature & voltage ~ TID0056a 116000-123000 MHz

References

TC start	06.05.2025 16:33:26
Ambit temp (test rack) [°C] humidity [rel%]	not enabled not enabled
System version	5.1.9.0
Standard Version	Systems FCC.ISED NI
Method	
Description	Systems FCC ISED Freq stability over temp/volt
Information	

Equipment

Signal analyzer,Rohde&Schwarz,FSW-50,1331.5003K50/101332,6.20
Power supply,Agilent Technologies,N5767A,US14J1569P,B.00.06,REV:F
Climatic box,CTS,T-40/50,064023,LAN

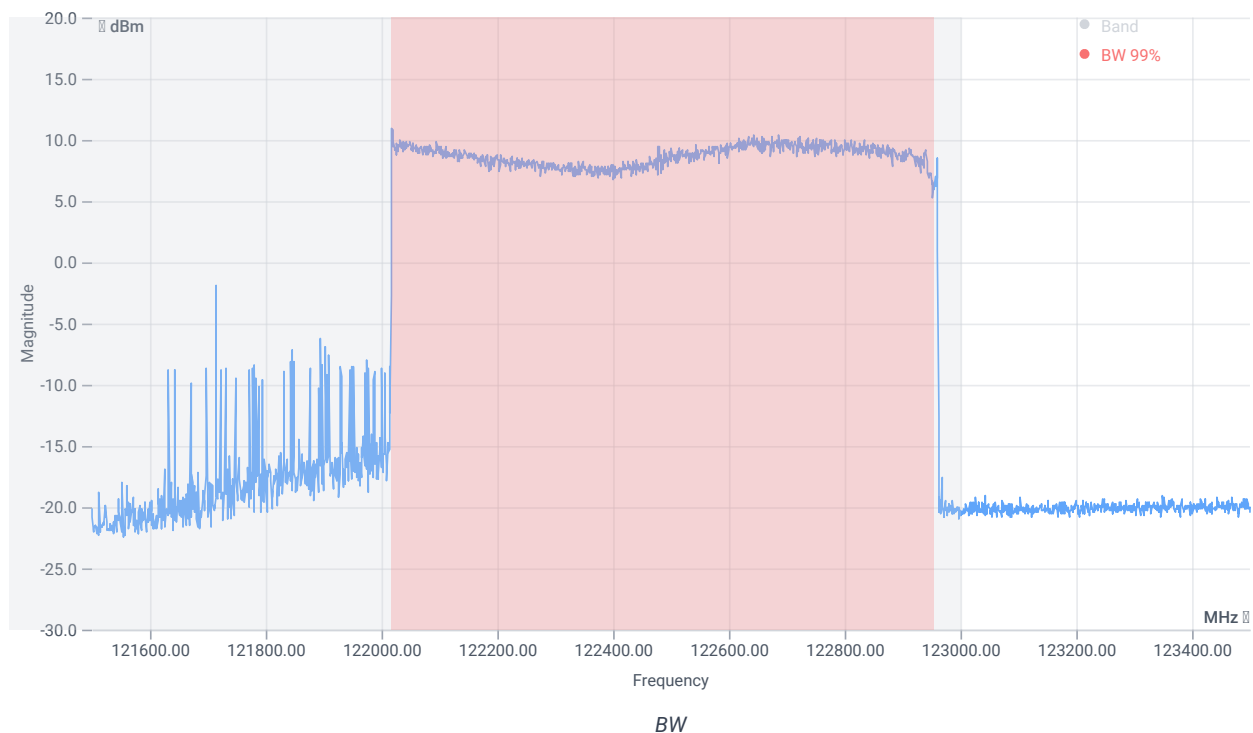
Test Parameter

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]: 24

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	30.00 47.6 0
Start [MHz] Stop [MHz]	121500.000 123500.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	20000 1 2001 SWE



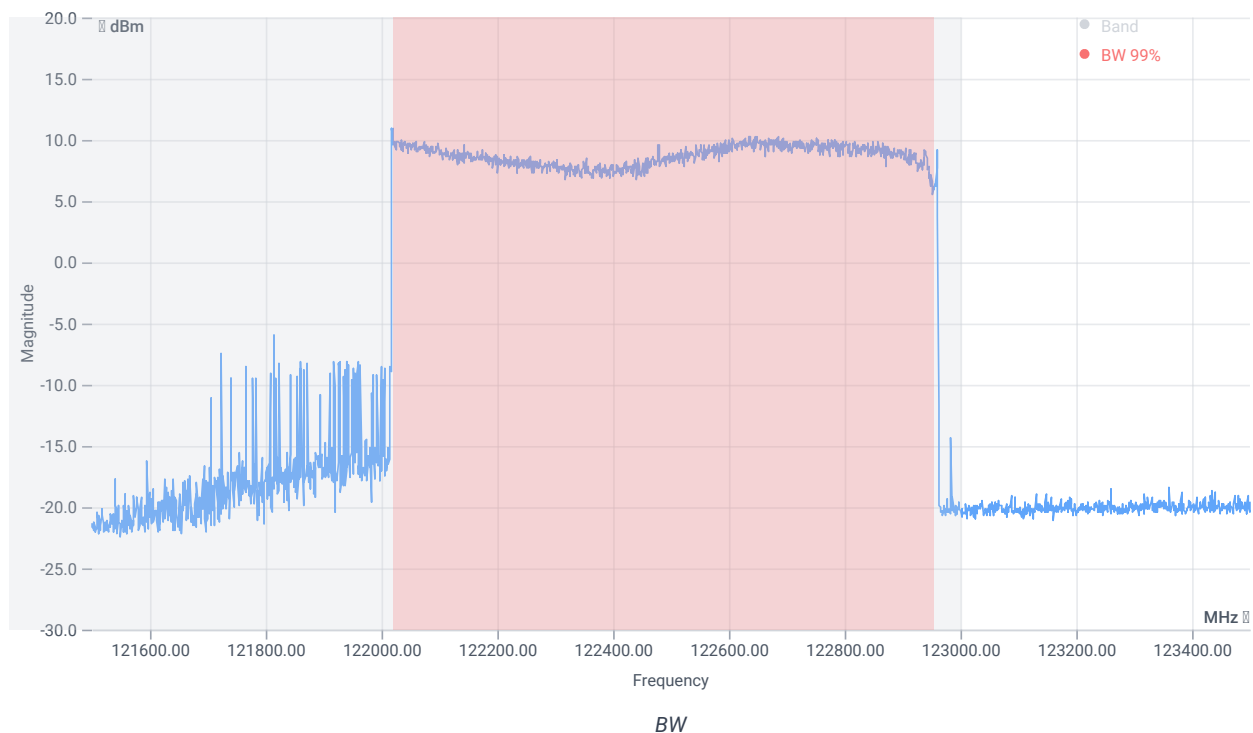
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	935.935	MHz	INFO
T1 99%	116000	---	122018.4708	MHz	PASS
T2 99%	---	123000	122954.4054	MHz	PASS

Test for temperature[°C]: 20 | voltage [V]: 20.4

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	30.00 47.6 0
Start [MHz] Stop [MHz]	121500.000 123500.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	20000 1 2001 SWE



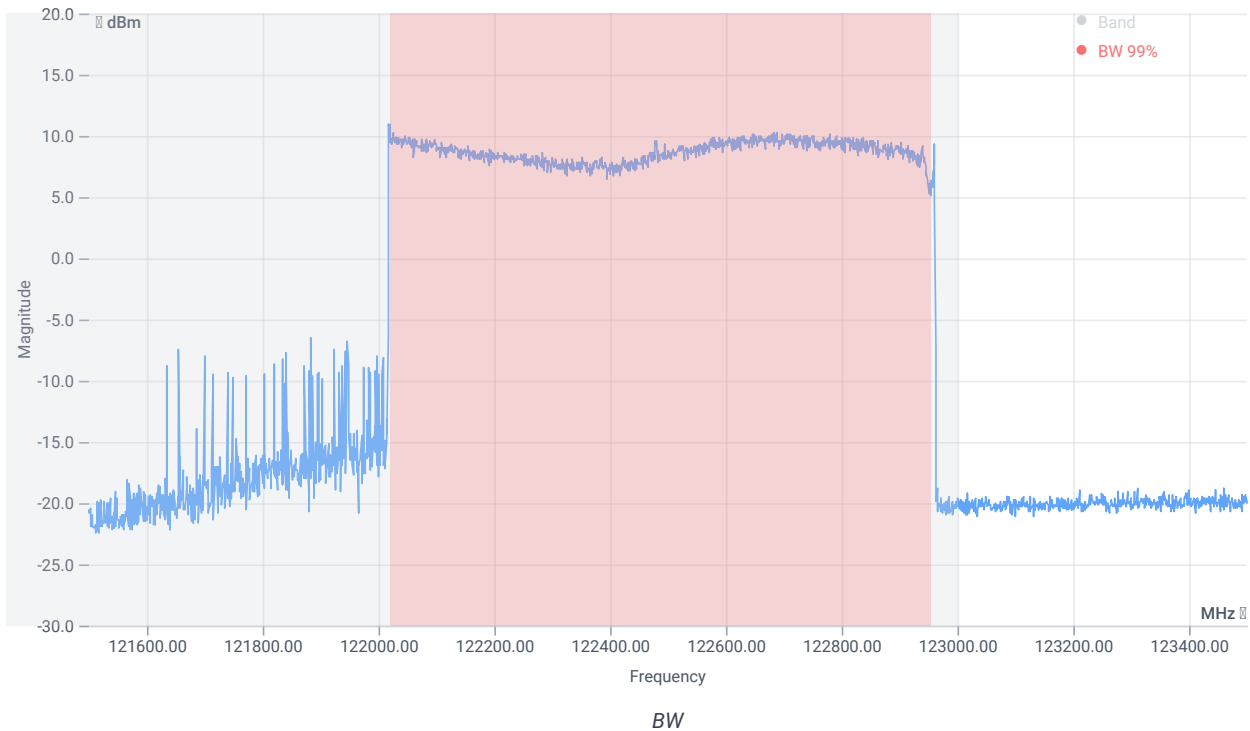
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	936.568	MHz	INFO
T1 99%	116000	---	122018.6114	MHz	PASS
T2 99%	---	123000	122955.1794	MHz	PASS

Test for temperature[°C]: 20 | voltage [V]: 27.6

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	30.00 47.6 0
Start [MHz] Stop [MHz]	121500.000 123500.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	20000 1 2001 SWE



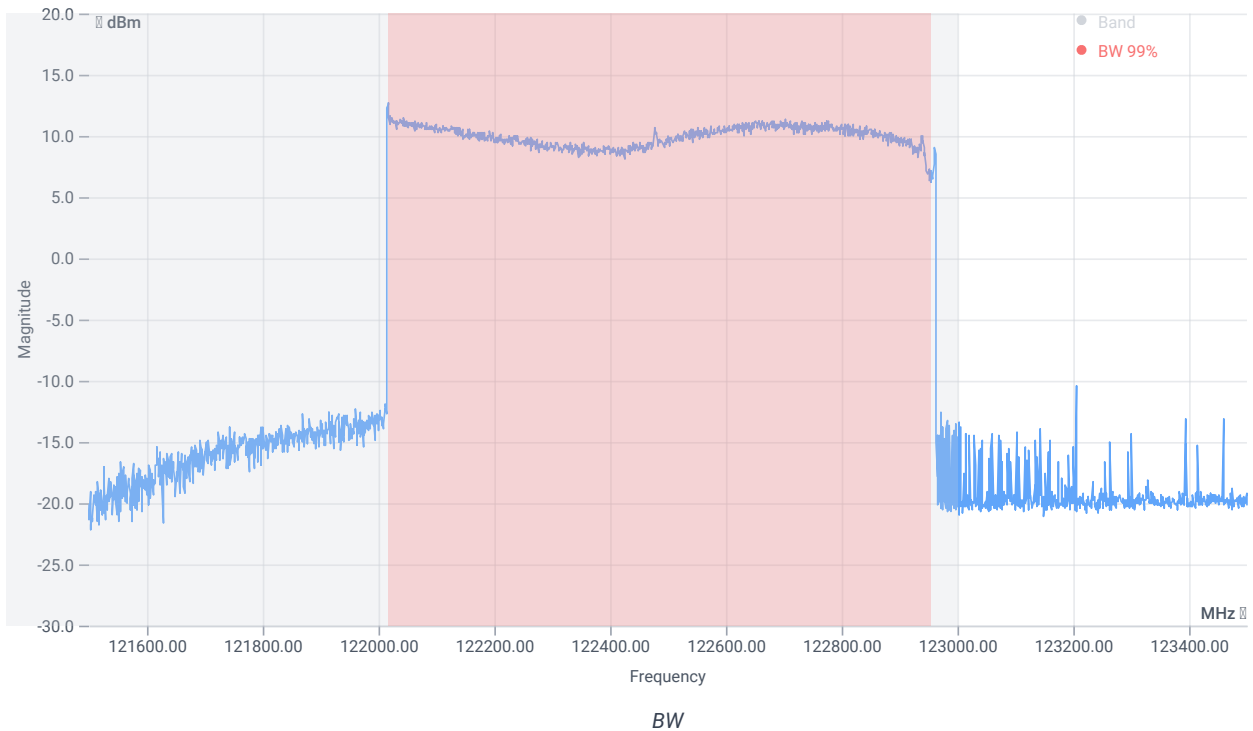
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	936.744	MHz	INFO
T1 99%	116000	---	122018.6017	MHz	PASS
T2 99%	---	123000	122955.3456	MHz	PASS

Test for temperature[°C]: -20 | voltage [V]: 24

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	30.00 47.6 0
Start [MHz] Stop [MHz]	121500.000 123500.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	20000 1 2001 SWE



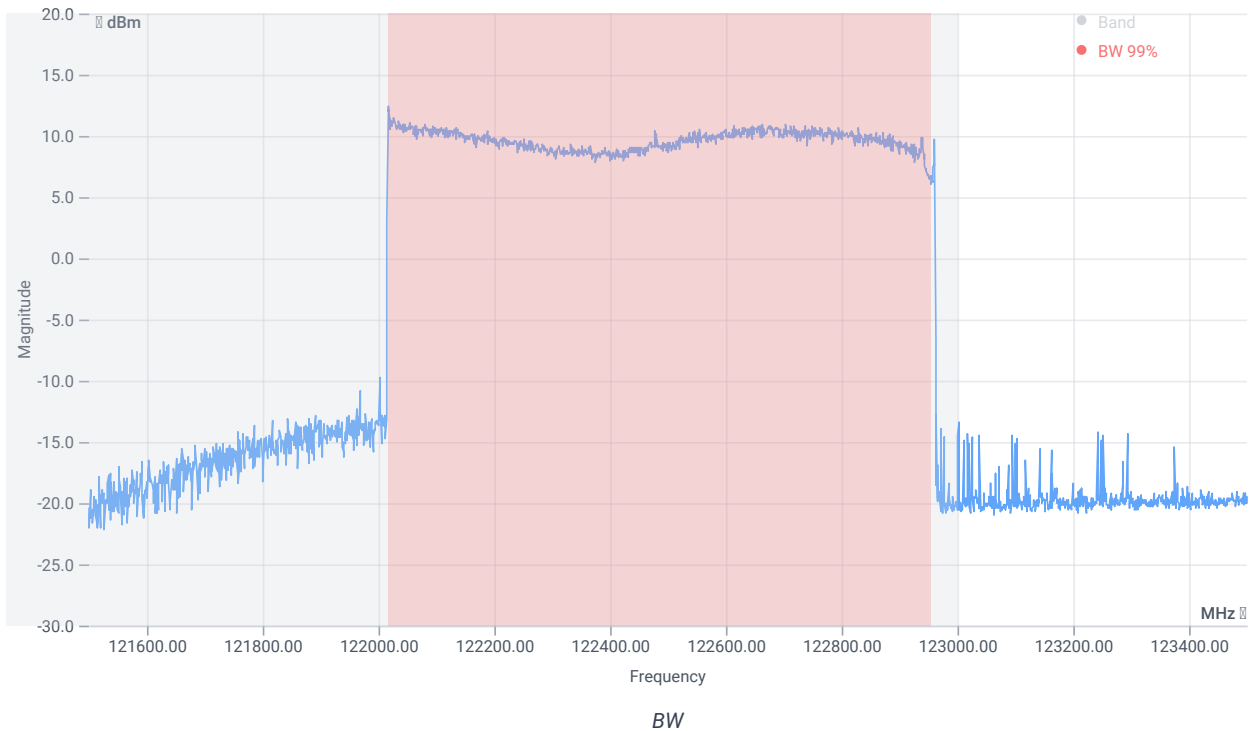
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	938.759	MHz	INFO
T1 99%	116000	---	122016.6124	MHz	PASS
T2 99%	---	123000	122955.3712	MHz	PASS

Test for temperature[°C]: -10 | voltage [V]: 24

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	30.00 47.6 0
Start [MHz] Stop [MHz]	121500.000 123500.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	20000 1 2001 SWE



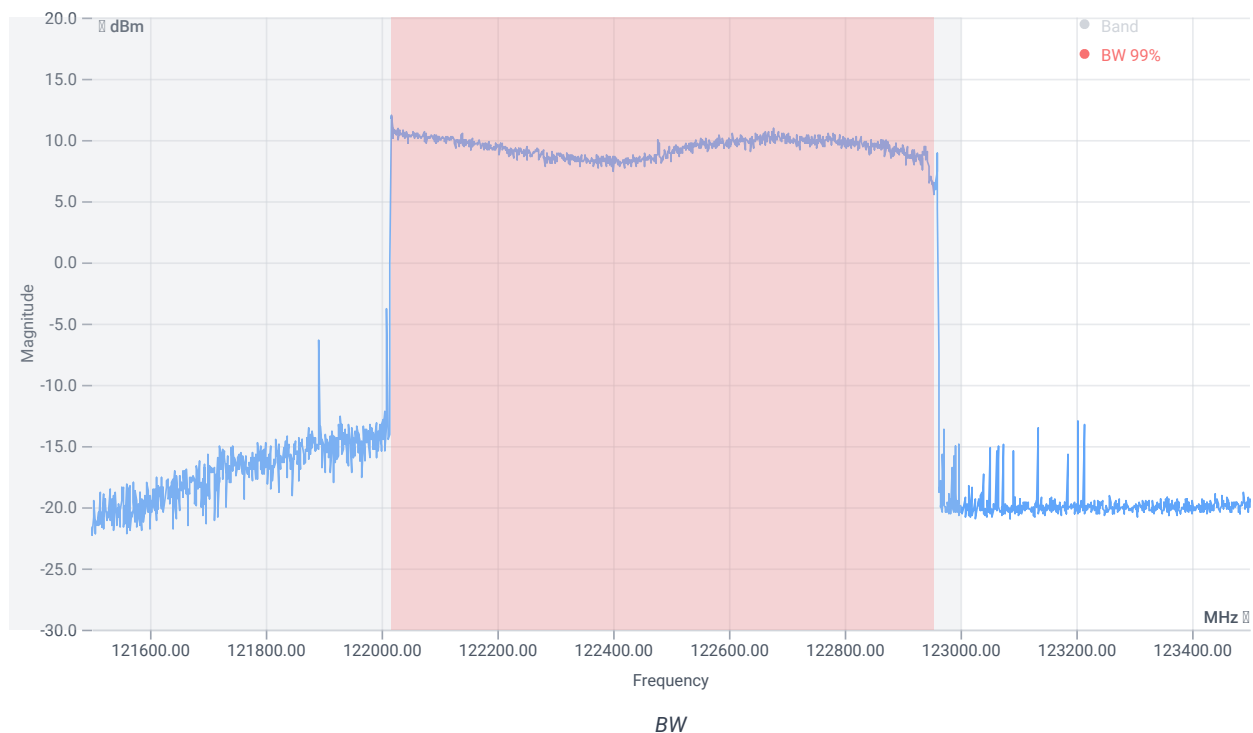
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	937.110	MHz	INFO
T1 99%	116000	---	122017.4575	MHz	PASS
T2 99%	---	123000	122954.5671	MHz	PASS

Test for temperature[°C]: 0 | voltage [V]: 24

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	30.00 47.6 0
Start [MHz] Stop [MHz]	121500.000 123500.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	20000 1 2001 SWE



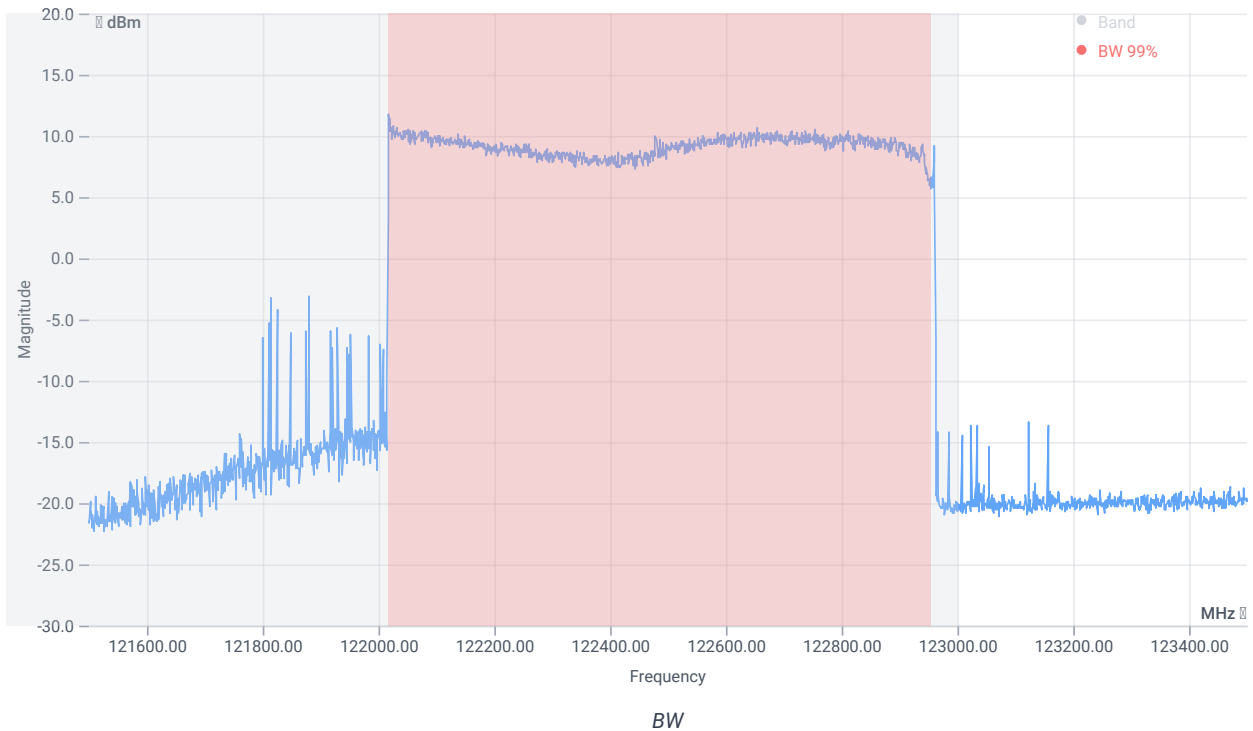
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	936.116	MHz	INFO
T1 99%	116000	---	122017.6234	MHz	PASS
T2 99%	---	123000	122953.7397	MHz	PASS

Test for temperature[°C]: 10 | voltage [V]: 24

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	30.00 47.6 0
Start [MHz] Stop [MHz]	121500.000 123500.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	20000 1 2001 SWE



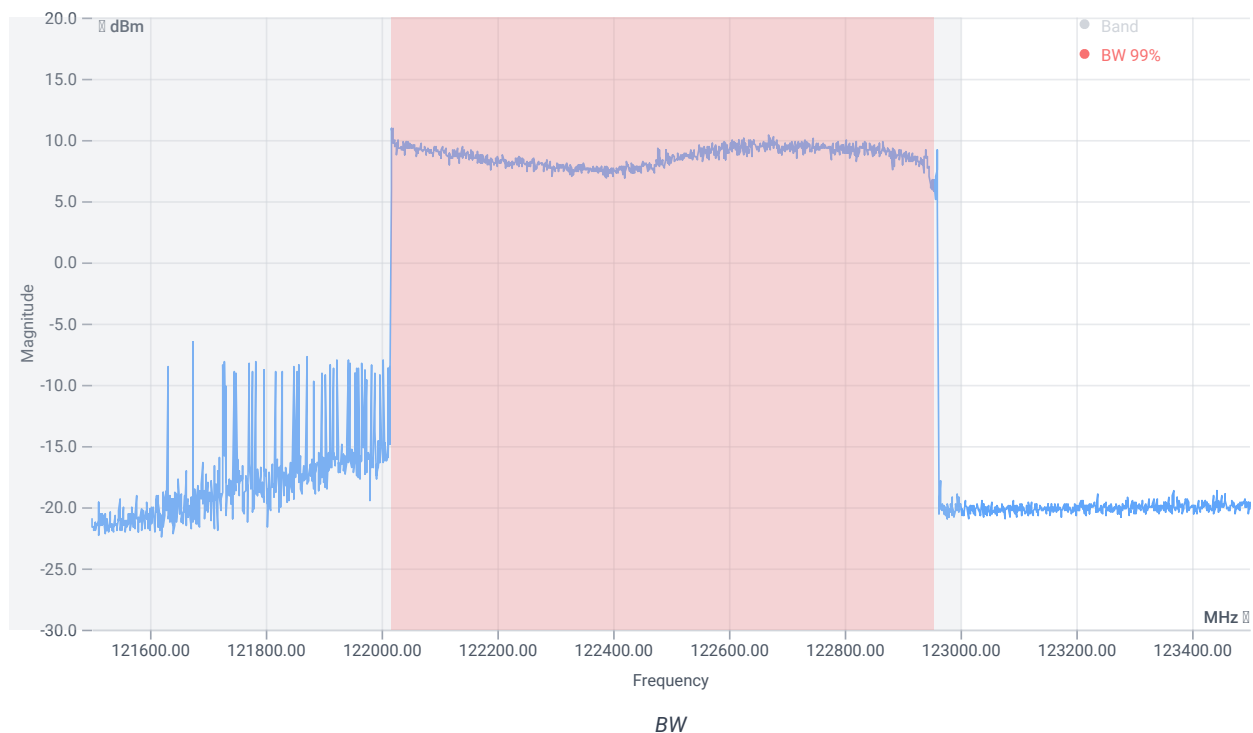
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	936.231	MHz	INFO
T1 99%	116000	---	122018.3238	MHz	PASS
T2 99%	---	123000	122954.5550	MHz	PASS

Test for temperature[°C]: 20 | voltage [V]: 24

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	30.00 47.6 0
Start [MHz] Stop [MHz]	121500.000 123500.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	20000 1 2001 SWE



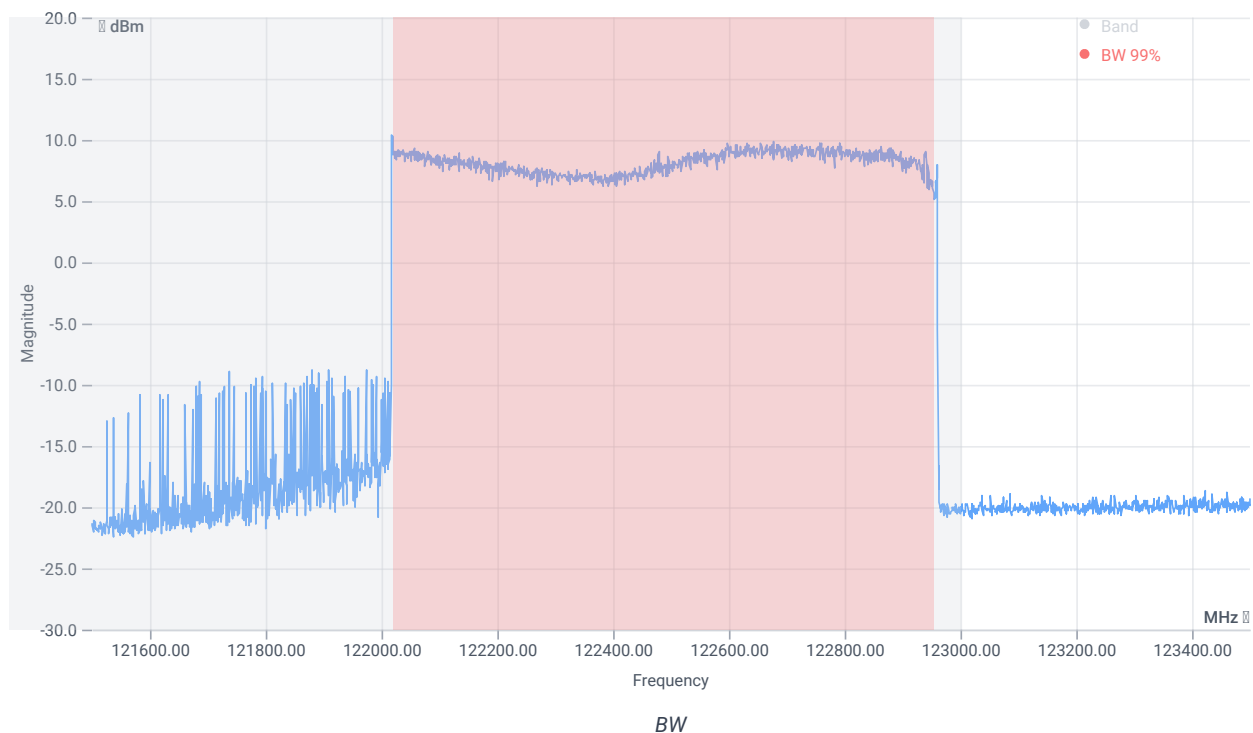
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	936.971	MHz	INFO
T1 99%	116000	---	122018.2606	MHz	PASS
T2 99%	---	123000	122955.2314	MHz	PASS

Test for temperature[°C]: 30 | voltage [V]: 24

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	30.00 47.6 0
Start [MHz] Stop [MHz]	121500.000 123500.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	20000 1 2001 SWE



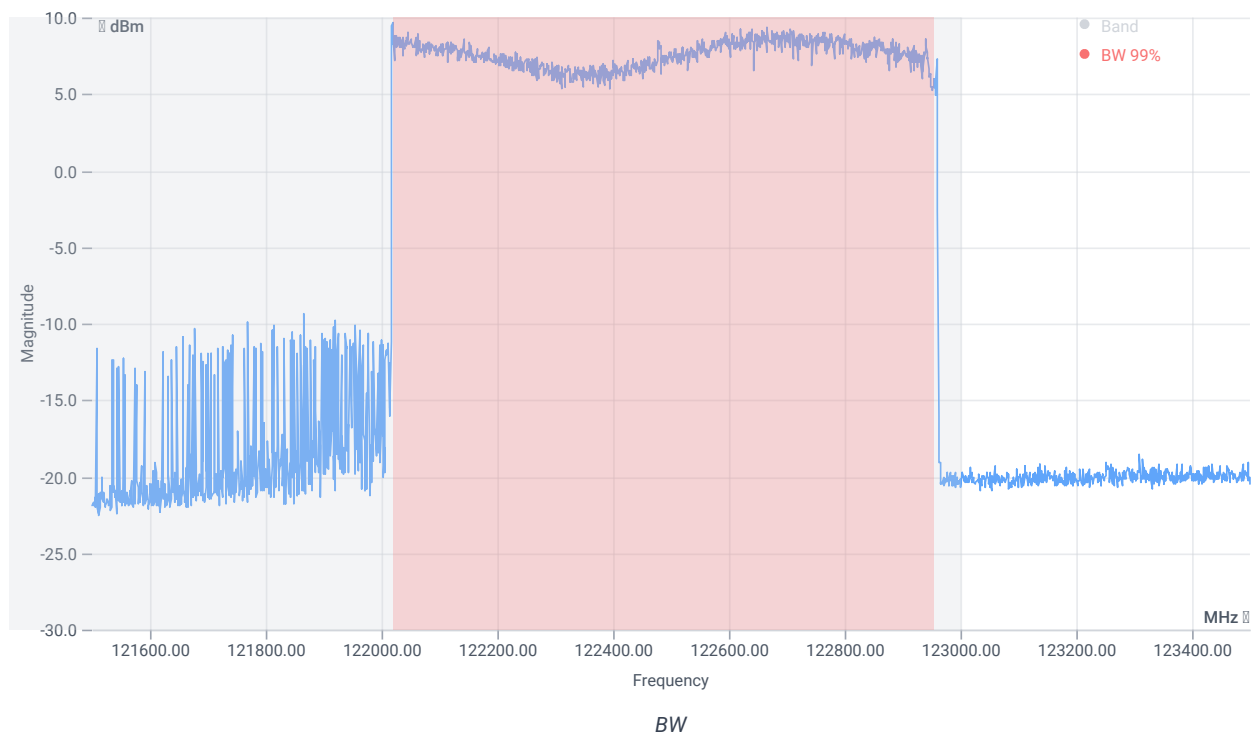
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	935.183	MHz	INFO
T1 99%	116000	---	122019.4101	MHz	PASS
T2 99%	---	123000	122954.5927	MHz	PASS

Test for temperature[°C]: 40 | voltage [V]: 24

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	30.00 47.6 0
Start [MHz] Stop [MHz]	121500.000 123500.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	20000 1 2001 SWE



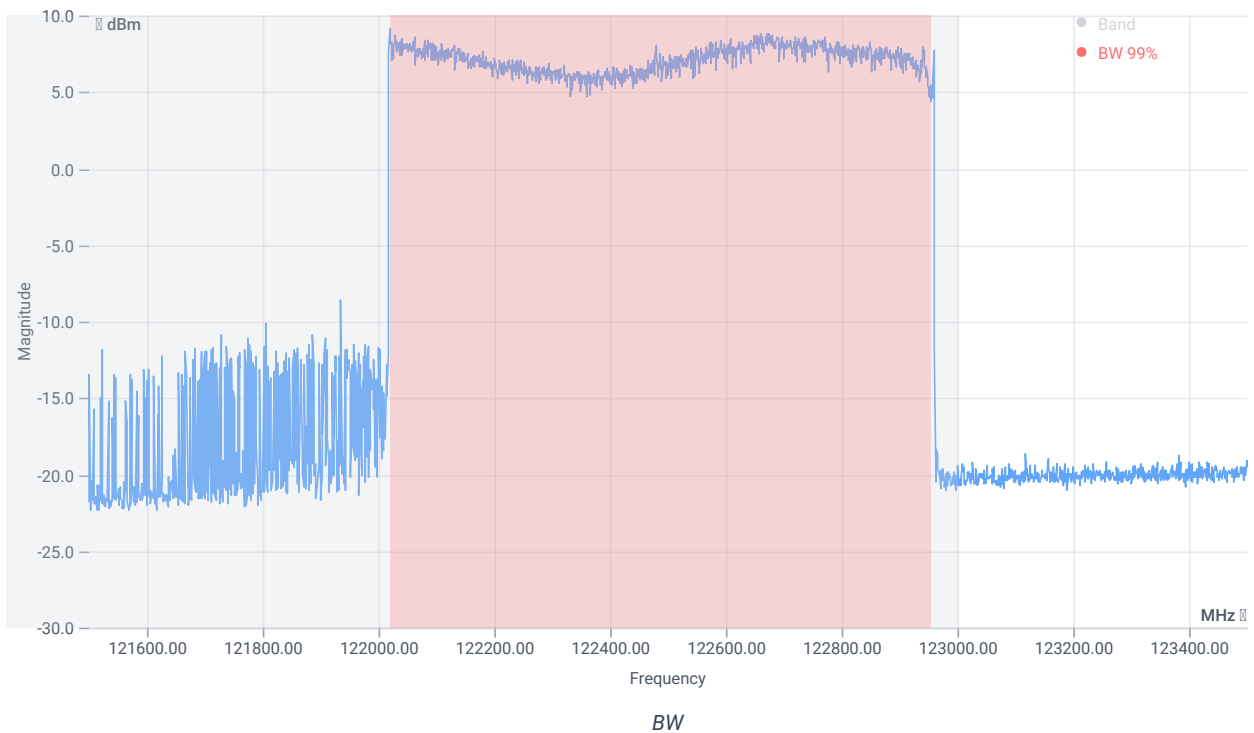
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	935.214	MHz	INFO
T1 99%	116000	---	122019.3489	MHz	PASS
T2 99%	---	123000	122954.5625	MHz	PASS

Test for temperature[°C]: 50 | voltage [V]: 24

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	30.00 47.6 0
Start [MHz] Stop [MHz]	121500.000 123500.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	20000 1 2001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	935.079	MHz	INFO
T1 99%	116000	---	122019.5592	MHz	PASS
T2 99%	---	123000	122954.6380	MHz	PASS

Verdict

PASS

NA # Create group ~

References

TC start	06.05.2025 20:07:55
Ambit temp (test rack) [°C] humidity [rel%]	not enabled not enabled
System version	5.1.9.0
Standard Version	NA NI
Method	
Description	Create group
Information	

Test Parameter

Group name	Group: TID0057
Clear logging/group	Yes

Verdict

INFO

- END OF DOCUMENT -