

Radiated test results

No.23-1-0012601T016_TR1-A201-R01

December 18, 2024

Test Standard(s)

Systems FCC.ISED - NI

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Systems FCC.ISED # Frequency stability over temperature & voltage ~ RADAR 60G/ 'Data transmission (Other) 55250-65750 MHz

References

TC start	20.08.2024 09:15:39
Ambit temp [°C] humidity [rel%]	not enabled not enabled
System version	5.0.7.6
Standard Version	Systems FCC.ISED NI
Method	
Description	Systems FCC ISED Freq stability over temp/volt
Information	

Equipment

Signal analyzer,Rohde&Schwarz,FSW-67,1312.8000K67/104023,6.00
Power supply,HEWLETT-PACKARD,E3632A,0,1.2-5.0-1.0
Climatic box,Voetsch,VT4002,56604682,LAN

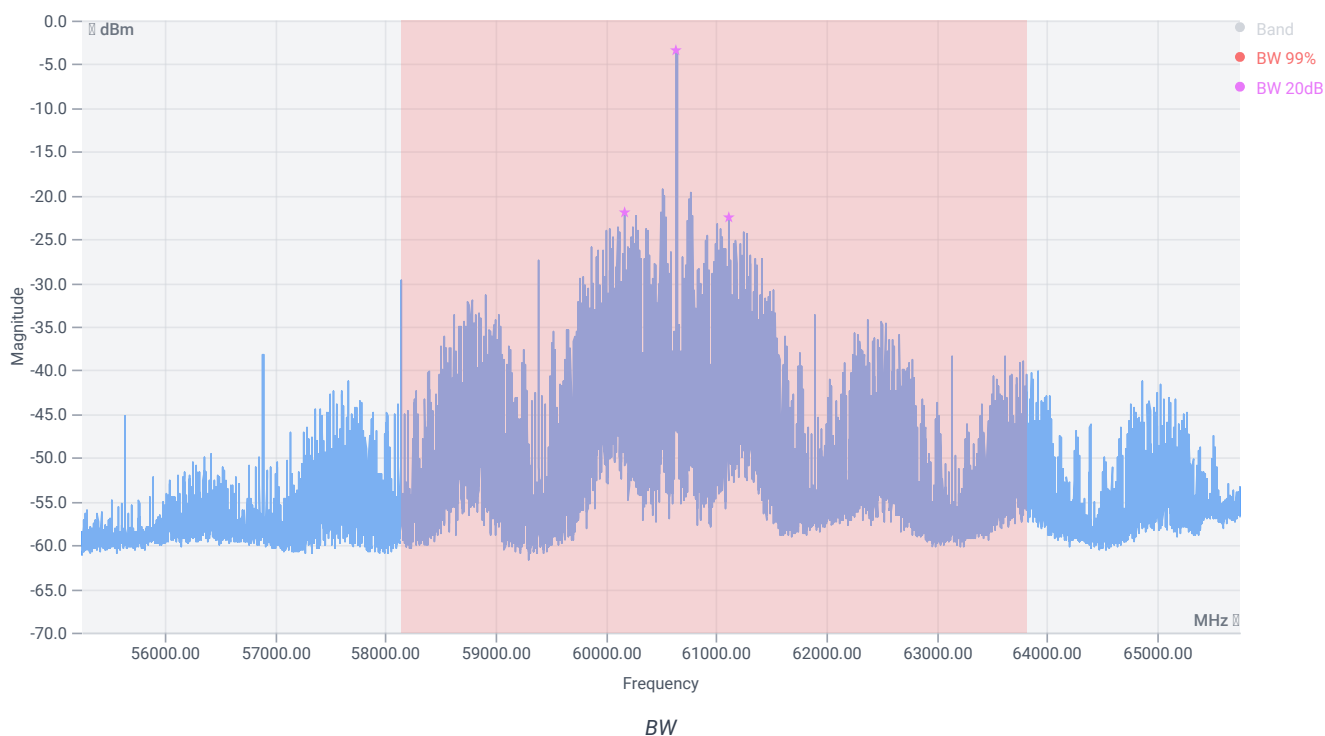
Test Parameter

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]	0.00 0 6
Start [MHz] Stop [MHz]	55250.000 65750.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	21000 1 10501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	5669.214	MHz	INFO
T1 99%	55250	---	58142.0635	MHz	PASS
T2 99%	---	65750	63811.2778	MHz	PASS

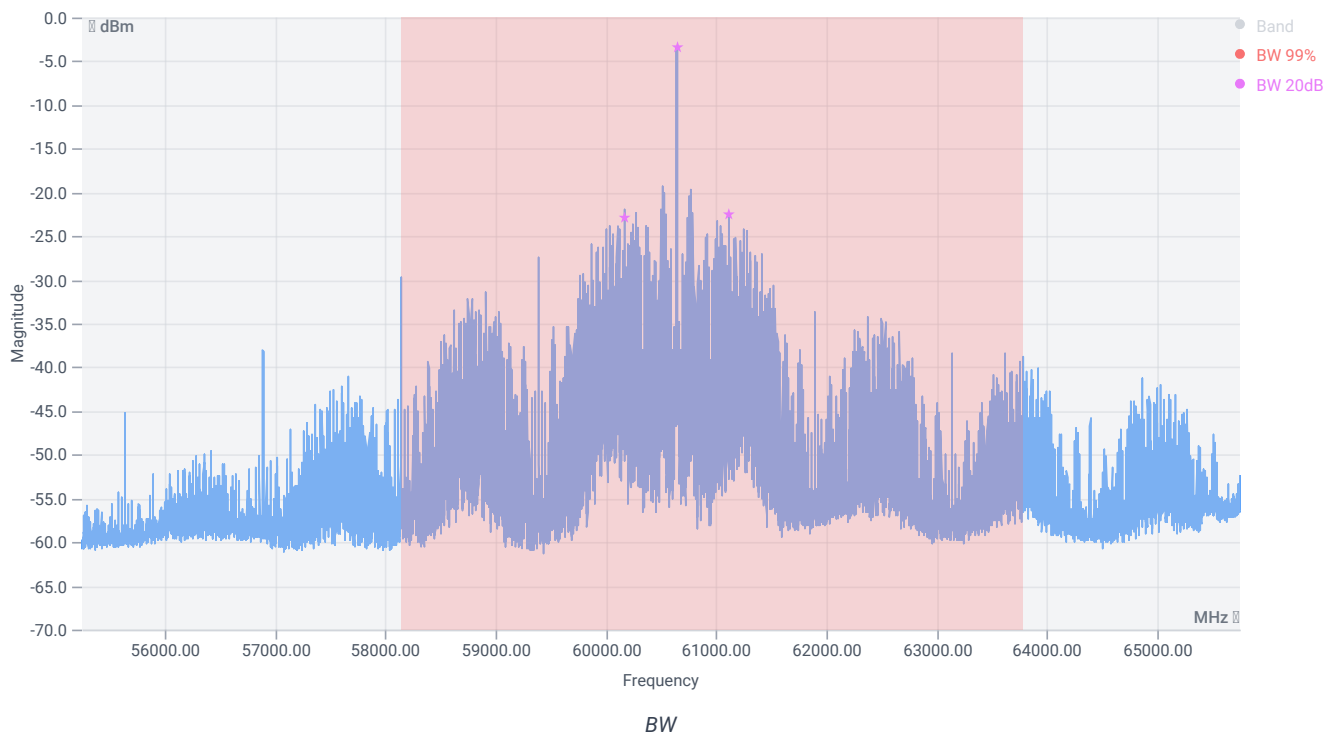
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	954	MHz	INFO
Reference freq.	---	---	60642	MHz	INFO
T1 20dB	55250	---	60166.0000	MHz	PASS
T2 20dB	---	65750	61120.0000	MHz	PASS

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

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	0.00 0 6
Start [MHz] Stop [MHz]	55250.000 65750.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	21000 1 10501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	5647.540	MHz	INFO
T1 99%	55250	---	58142.5890	MHz	PASS
T2 99%	---	65750	63790.1293	MHz	PASS

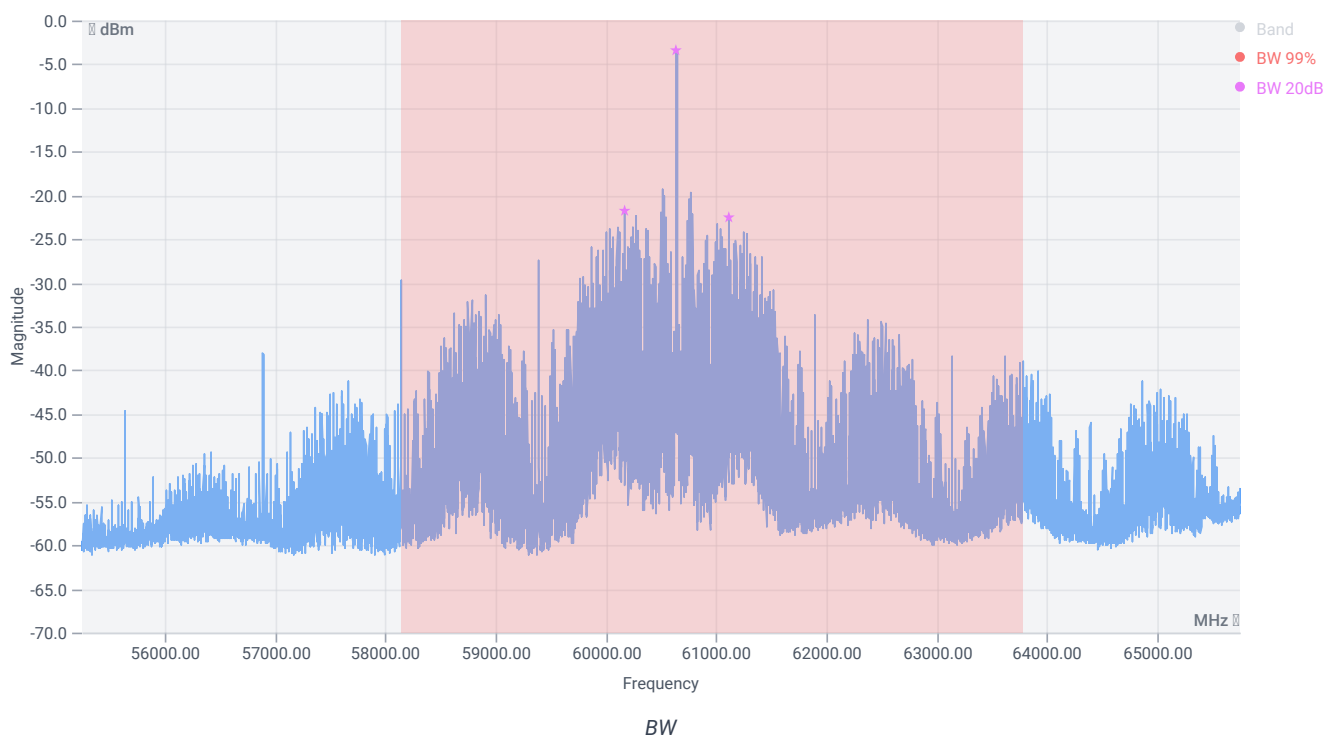
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	955	MHz	INFO
Reference freq.	---	---	60643	MHz	INFO
T1 20dB	55250	---	60165.0000	MHz	PASS
T2 20dB	---	65750	61120.0000	MHz	PASS

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

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	0.00 0 6
Start [MHz] Stop [MHz]	55250.000 65750.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	21000 1 10501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	5649.975	MHz	INFO
T1 99%	55250	---	58142.1694	MHz	PASS
T2 99%	---	65750	63792.1442	MHz	PASS

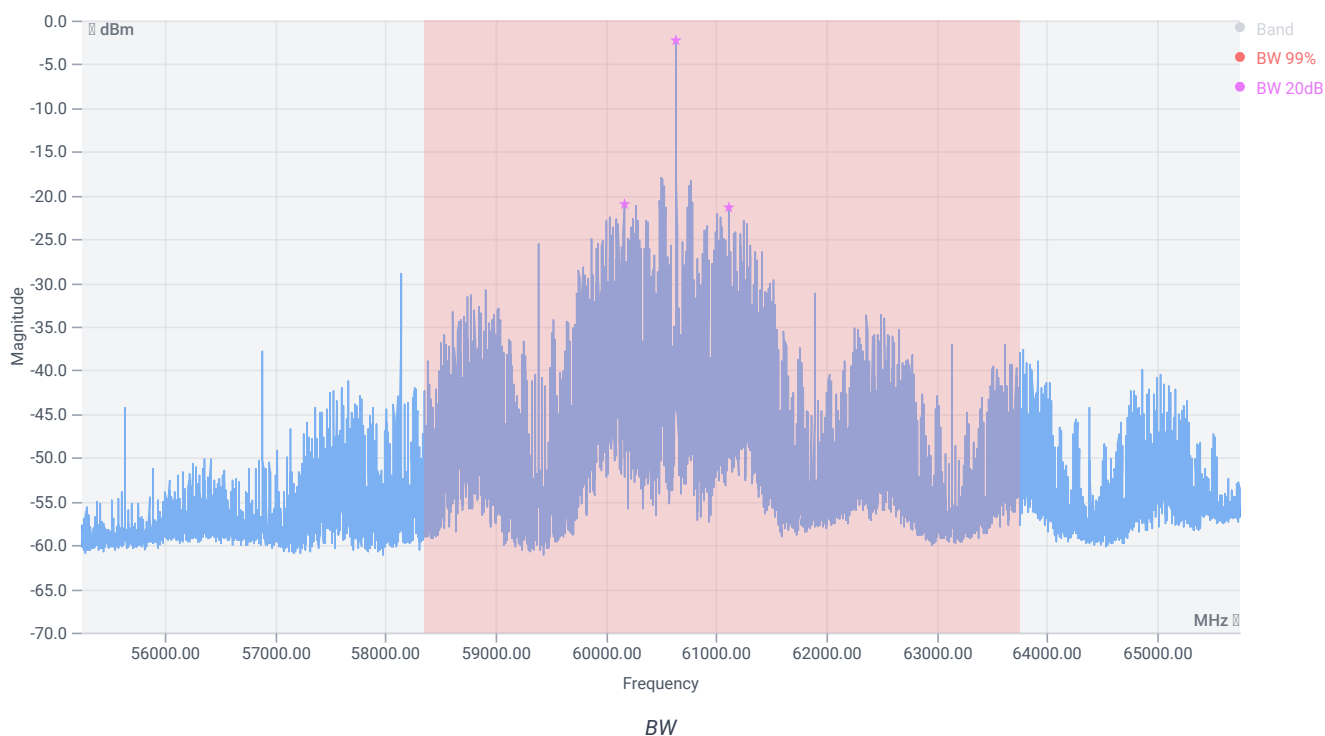
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	954	MHz	INFO
Reference freq.	---	---	60642	MHz	INFO
T1 20dB	55250	---	60166.0000	MHz	PASS
T2 20dB	---	65750	61120.0000	MHz	PASS

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

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	0.00 0 6
Start [MHz] Stop [MHz]	55250.000 65750.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	21000 1 10501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	5391.222	MHz	INFO
T1 99%	55250	---	58358.9126	MHz	PASS
T2 99%	---	65750	63750.1344	MHz	PASS

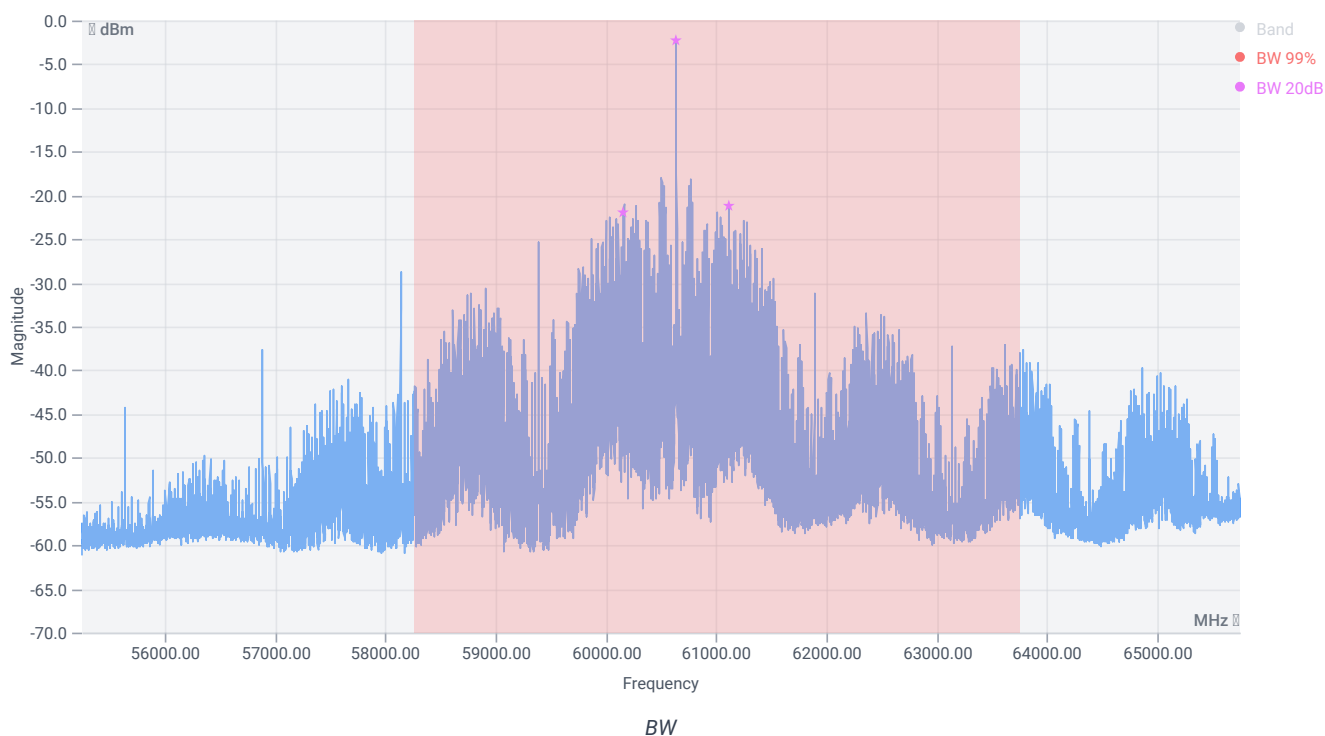
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	954	MHz	INFO
Reference freq.	---	---	60640	MHz	INFO
T1 20dB	55250	---	60163.0000	MHz	PASS
T2 20dB	---	65750	61117.0000	MHz	PASS

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

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	0.00 0 6
Start [MHz] Stop [MHz]	55250.000 65750.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	21000 1 10501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	5484.209	MHz	INFO
T1 99%	55250	---	58266.7246	MHz	PASS
T2 99%	---	65750	63750.9339	MHz	PASS

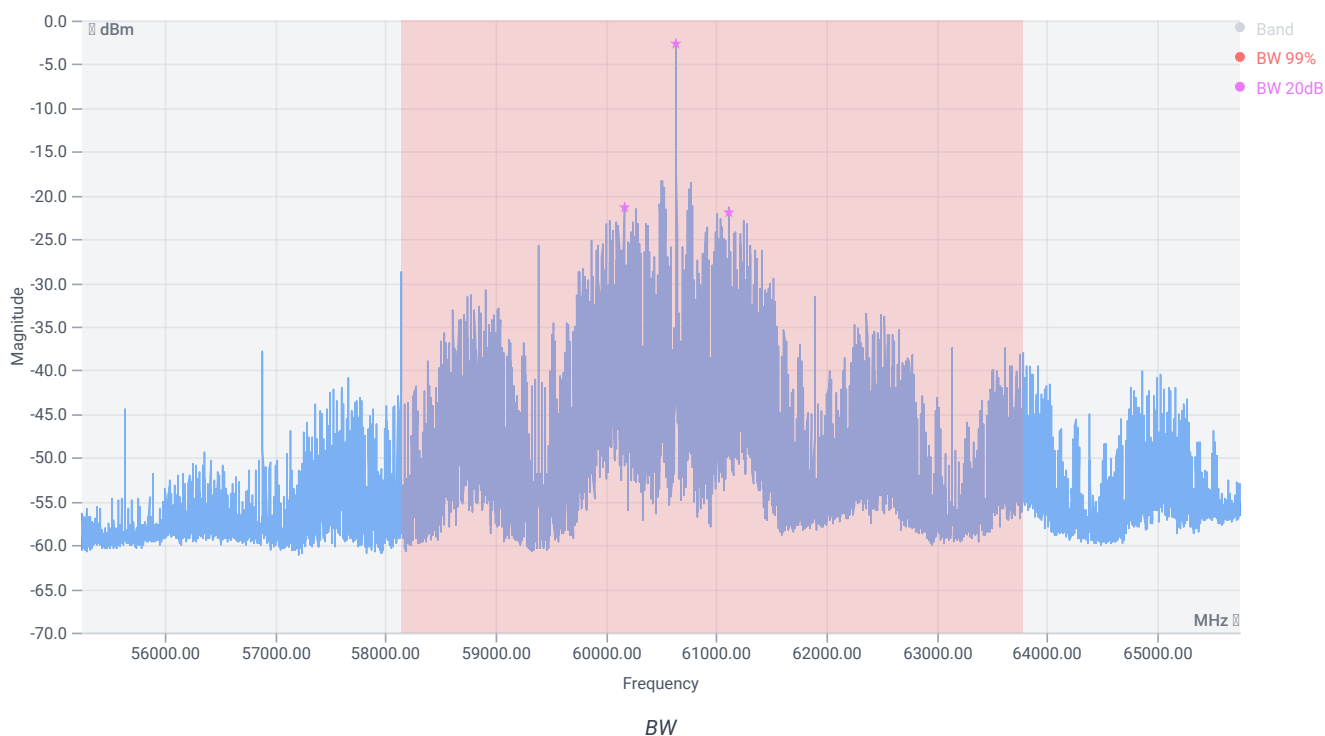
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	955	MHz	INFO
Reference freq.	---	---	60640	MHz	INFO
T1 20dB	55250	---	60162.0000	MHz	PASS
T2 20dB	---	65750	61117.0000	MHz	PASS

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

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	0.00 0 6
Start [MHz] Stop [MHz]	55250.000 65750.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	21000 1 10501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	5640.491	MHz	INFO
T1 99%	55250	---	58141.6793	MHz	PASS
T2 99%	---	65750	63782.1708	MHz	PASS

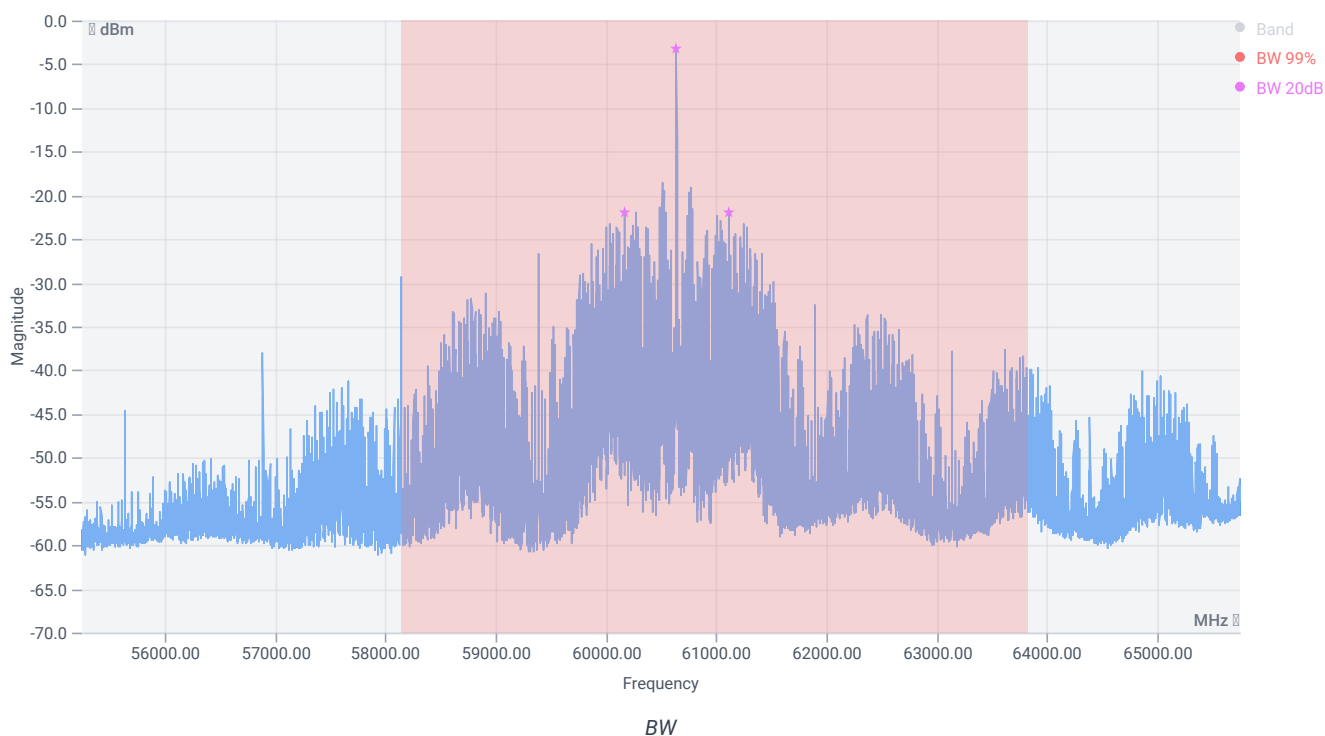
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	955	MHz	INFO
Reference freq.	---	---	60640	MHz	INFO
T1 20dB	55250	---	60163.0000	MHz	PASS
T2 20dB	---	65750	61118.0000	MHz	PASS

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

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	0.00 0 6
Start [MHz] Stop [MHz]	55250.000 65750.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	21000 1 10501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	5687.730	MHz	INFO
T1 99%	55250	---	58141.0587	MHz	PASS
T2 99%	---	65750	63828.7887	MHz	PASS

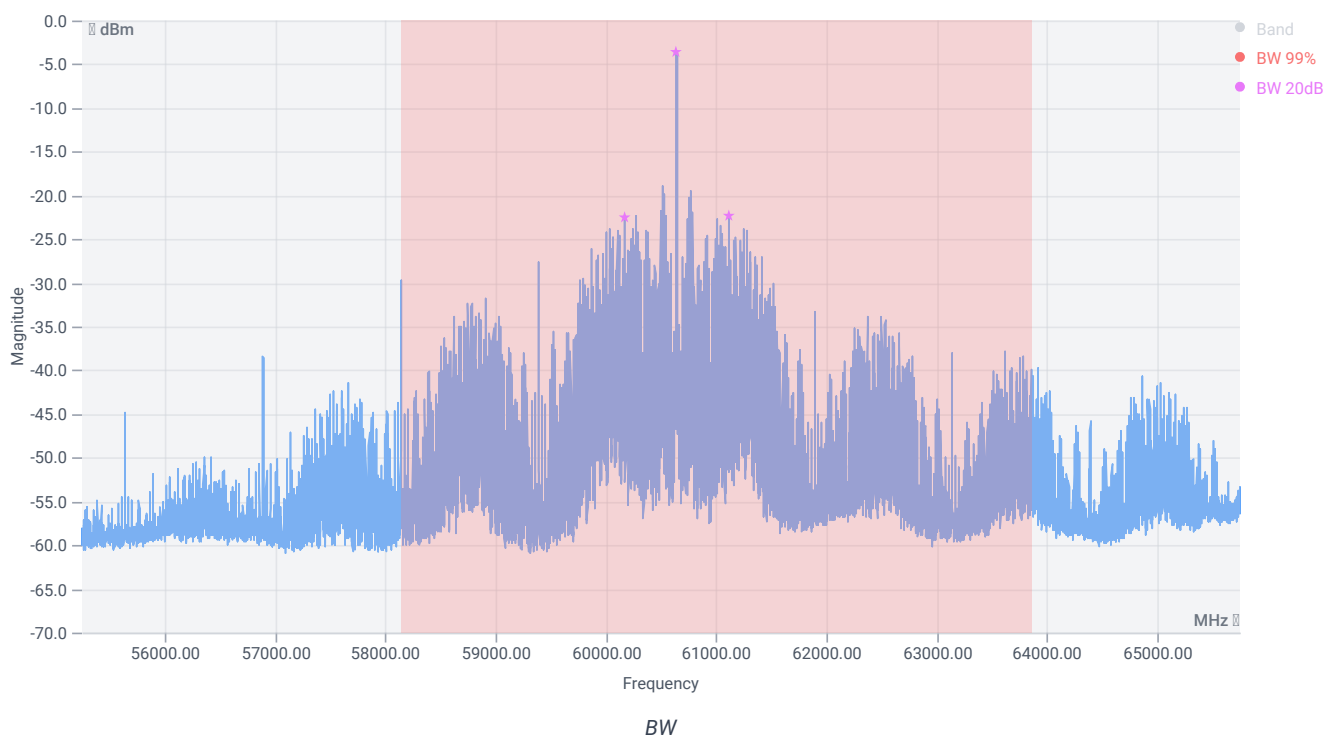
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	954	MHz	INFO
Reference freq.	---	---	60641	MHz	INFO
T1 20dB	55250	---	60164.0000	MHz	PASS
T2 20dB	---	65750	61118.0000	MHz	PASS

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

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	0.00 0 6
Start [MHz] Stop [MHz]	55250.000 65750.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	21000 1 10501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	5712.576	MHz	INFO
T1 99%	55250	---	58142.0843	MHz	PASS
T2 99%	---	65750	63854.6599	MHz	PASS

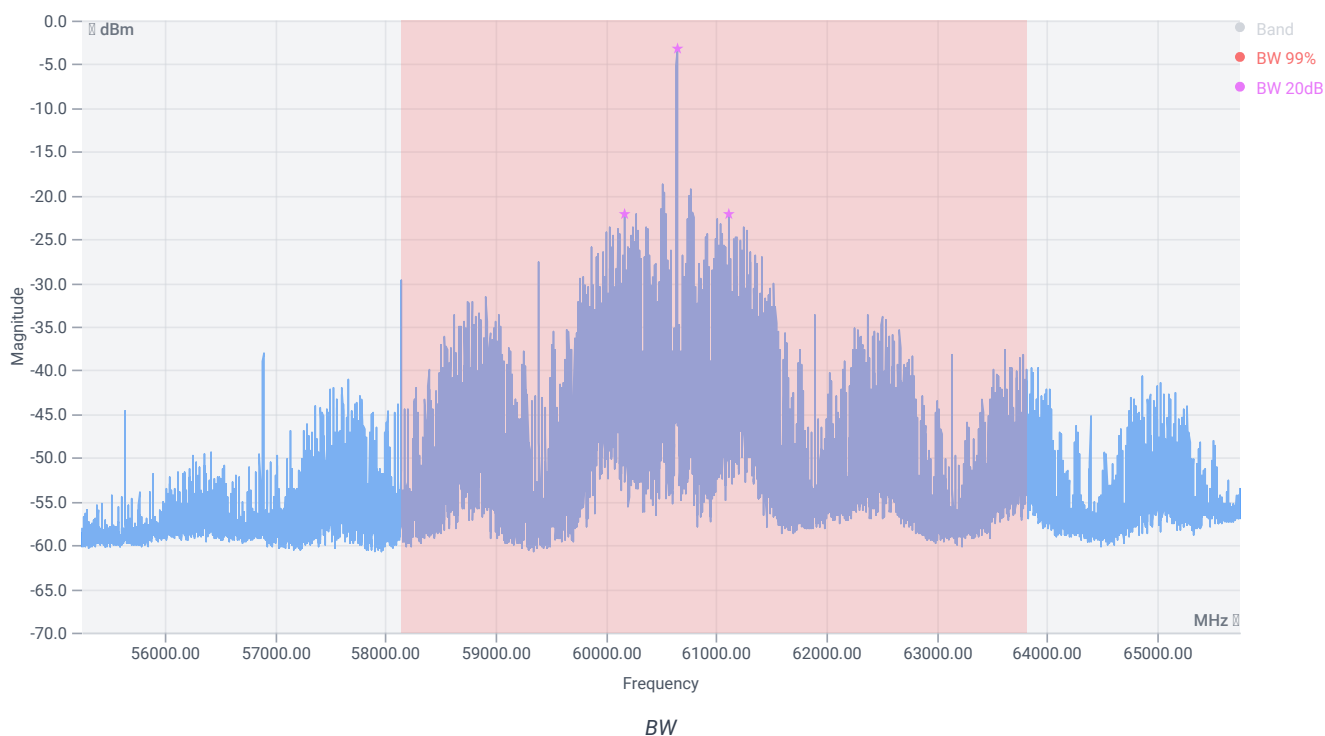
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	954	MHz	INFO
Reference freq.	---	---	60642	MHz	INFO
T1 20dB	55250	---	60165.0000	MHz	PASS
T2 20dB	---	65750	61119.0000	MHz	PASS

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

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	0.00 0 6
Start [MHz] Stop [MHz]	55250.000 65750.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	21000 1 10501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	5672.427	MHz	INFO
T1 99%	55250	---	58143.1128	MHz	PASS
T2 99%	---	65750	63815.5396	MHz	PASS

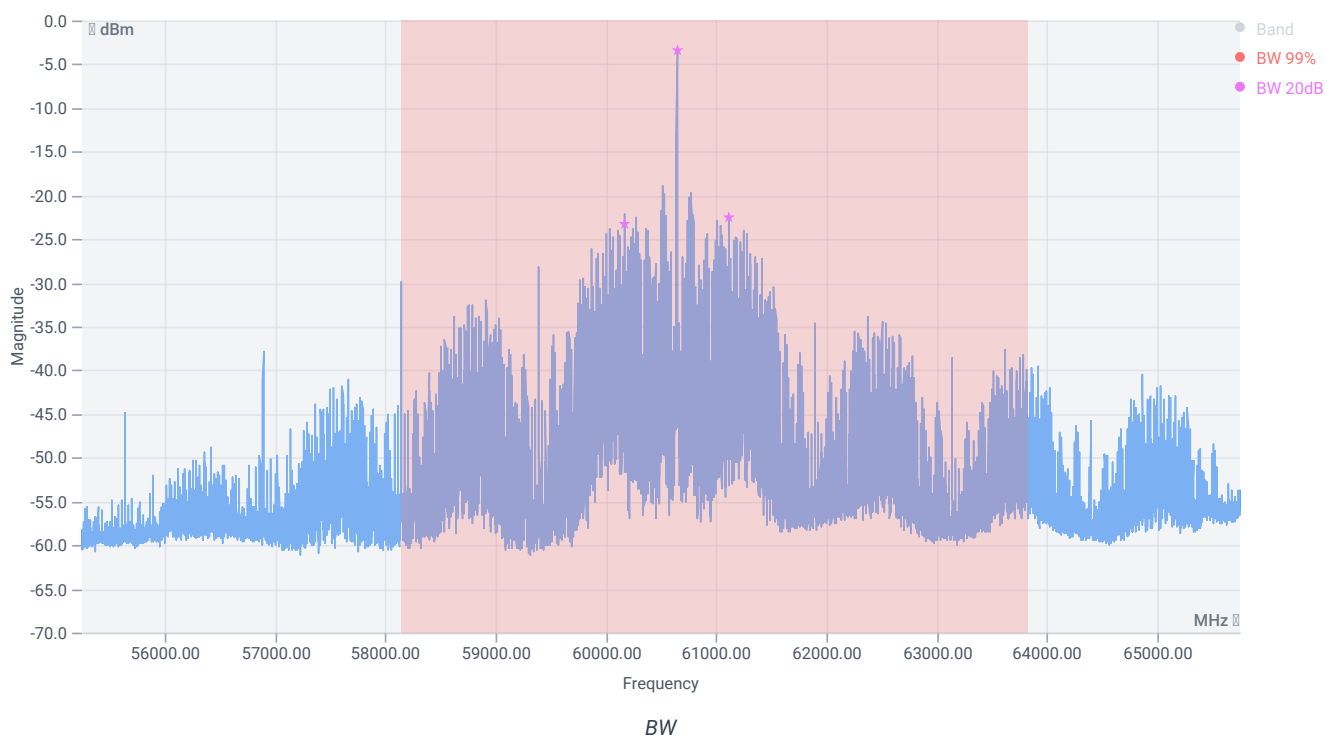
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	954	MHz	INFO
Reference freq.	---	---	60643	MHz	INFO
T1 20dB	55250	---	60166.0000	MHz	PASS
T2 20dB	---	65750	61120.0000	MHz	PASS

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

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	0.00 0 6
Start [MHz] Stop [MHz]	55250.000 65750.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	21000 1 10501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	5687.266	MHz	INFO
T1 99%	55250	---	58143.1589	MHz	PASS
T2 99%	---	65750	63830.4250	MHz	PASS

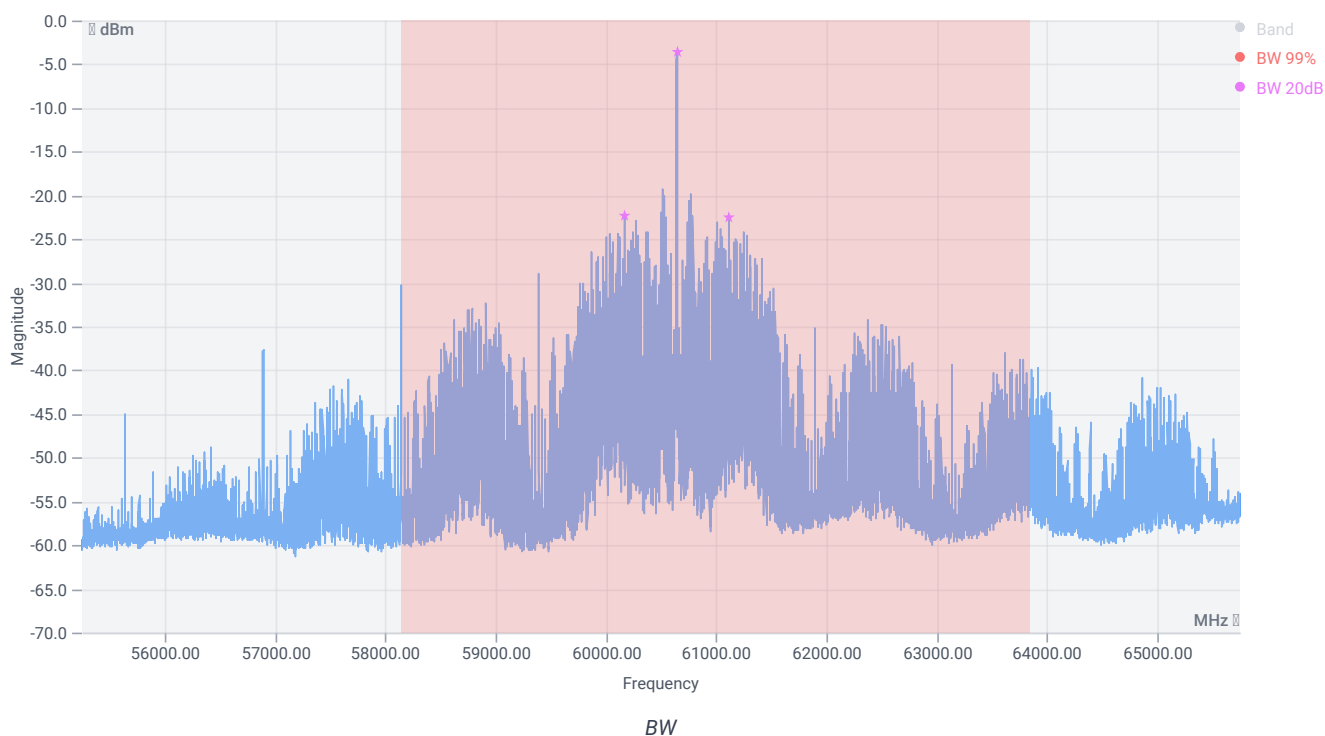
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	955	MHz	INFO
Reference freq.	---	---	60644	MHz	INFO
T1 20dB	55250	---	60166.0000	MHz	PASS
T2 20dB	---	65750	61121.0000	MHz	PASS

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

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	0.00 0 6
Start [MHz] Stop [MHz]	55250.000 65750.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	21000 1 10501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	5701.841	MHz	INFO
T1 99%	55250	---	58141.9706	MHz	PASS
T2 99%	---	65750	63843.8113	MHz	PASS

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	954	MHz	INFO
Reference freq.	---	---	60643	MHz	INFO
T1 20dB	55250	---	60166.0000	MHz	PASS
T2 20dB	---	65750	61120.0000	MHz	PASS

Verdict

PASS

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