Conducted test results

No.23-1-0014801T031_TR1-A202-R01

June 29, 2024

Test Standard(s)	FCC, ISED - NI

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Authorized

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Radio Labs

Table of Content

FCC, ISED # Block edge conducted ~ LTE Band_25 Ant-EUT1

References

TC start	19.04.2024 15:46:33
Ambit temp [°C] | humidity [rel%]	not enabled | not enabled
System version	5.0.3.9
Standard | Version	FCC, ISED | NI
Method	
Description	FCC/ISED Block edge conducted - LTE Band_25
Information	

Equipment

Signal analyzer,Rohde&Schwarz,FSV3030,1330.5000K30/101247,1.90
Signaling unit,Rohde&Schwarz,CMW,1201.0002k50/168880,4.0.140
Switch matrix, cetecom advanced, USM virtual,RCE-PC19,none

Test Parameter

Technology to test	LTE
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 0
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 0
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000000:00000000:00000000:00000000

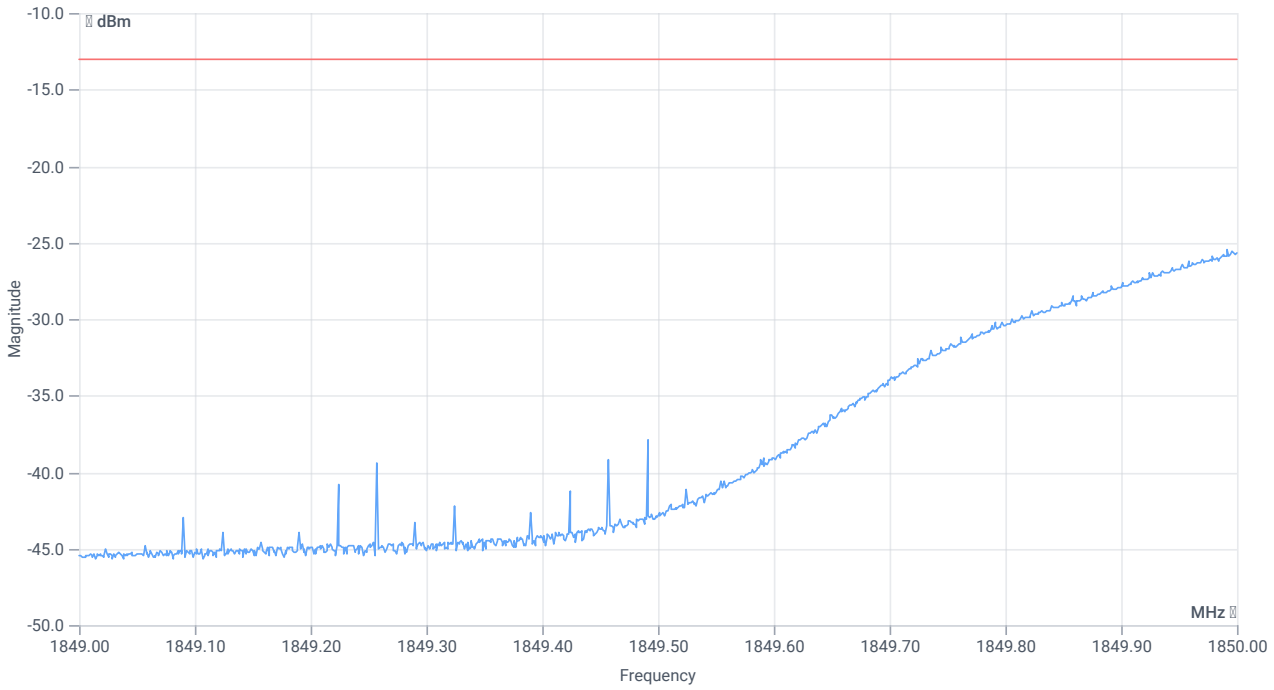
Test for CBW [MHz]: 20

Test frequency: low

Test freq: low, UL[MHz]/CH 1860/26140, CBW [MHz]: 20, RB_1_low, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.64 | 2.92 | 34
Start [MHz] | Stop [MHz]	1849.000 | 1850.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE lower

RESULT lower band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 1849.5	---	-13	-26.72	dBm	PASS

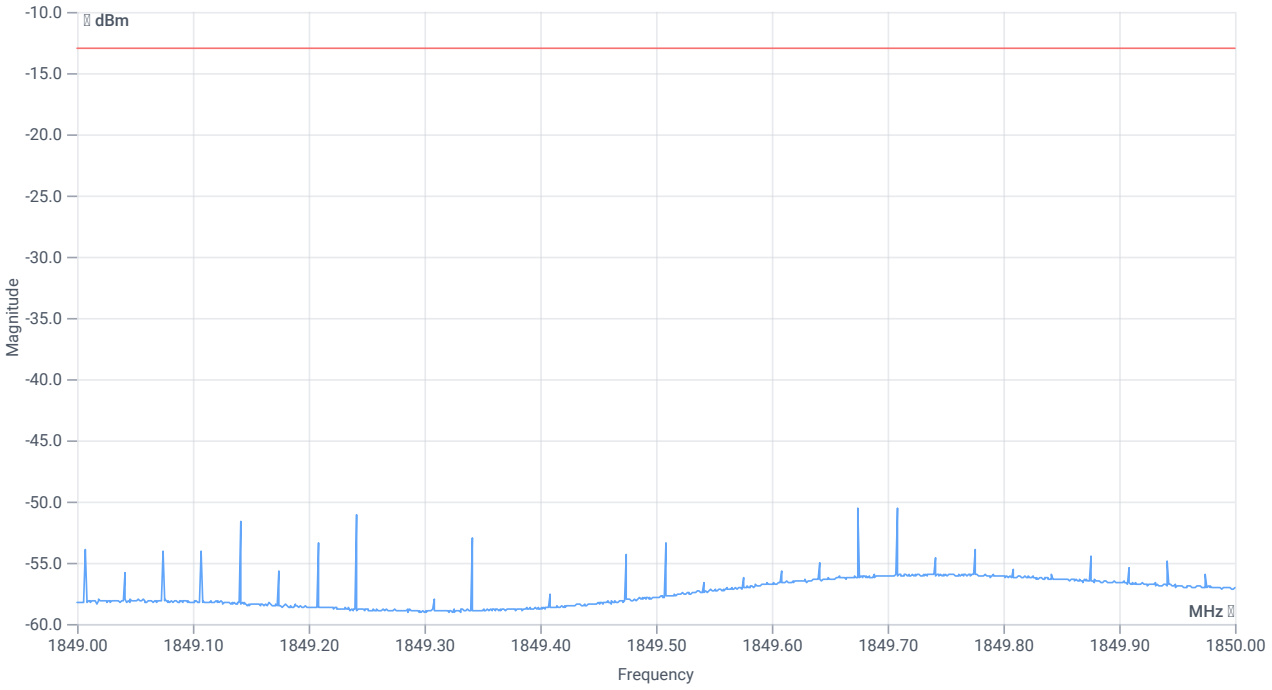
Test freq: low, UL[MHz]/CH 1860/26140, CBW [MHz]: 20, RB_1_high, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.71 | 2.92 | 34
Start [MHz] | Stop [MHz]	1849.000 | 1850.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000

READ SA SETTINGS:

Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE lower

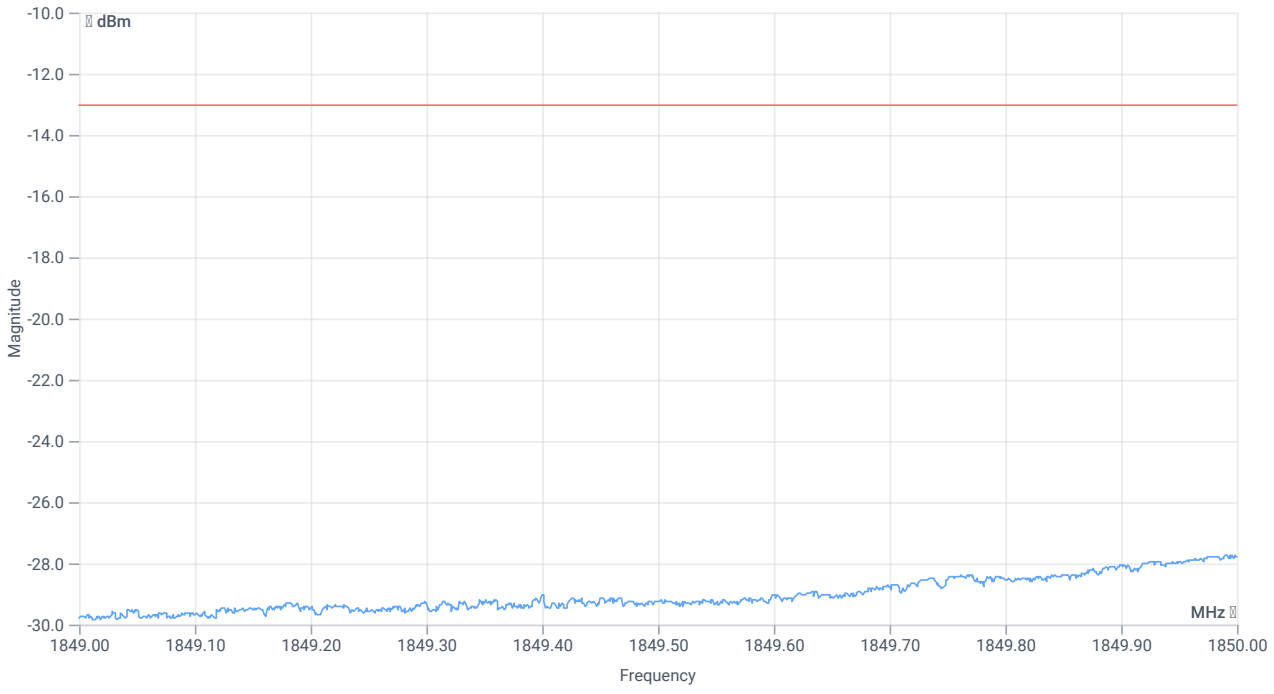
RESULT lower band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 1849.5	---	-13	-50.56	dBm	PASS

Test freq: low, UL[MHz]/CH 1860/26140, CBW [MHz]: 20, RB_50PCT_low, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.86 | 2.92 | 29
Start [MHz] | Stop [MHz]	1849.000 | 1850.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE lower

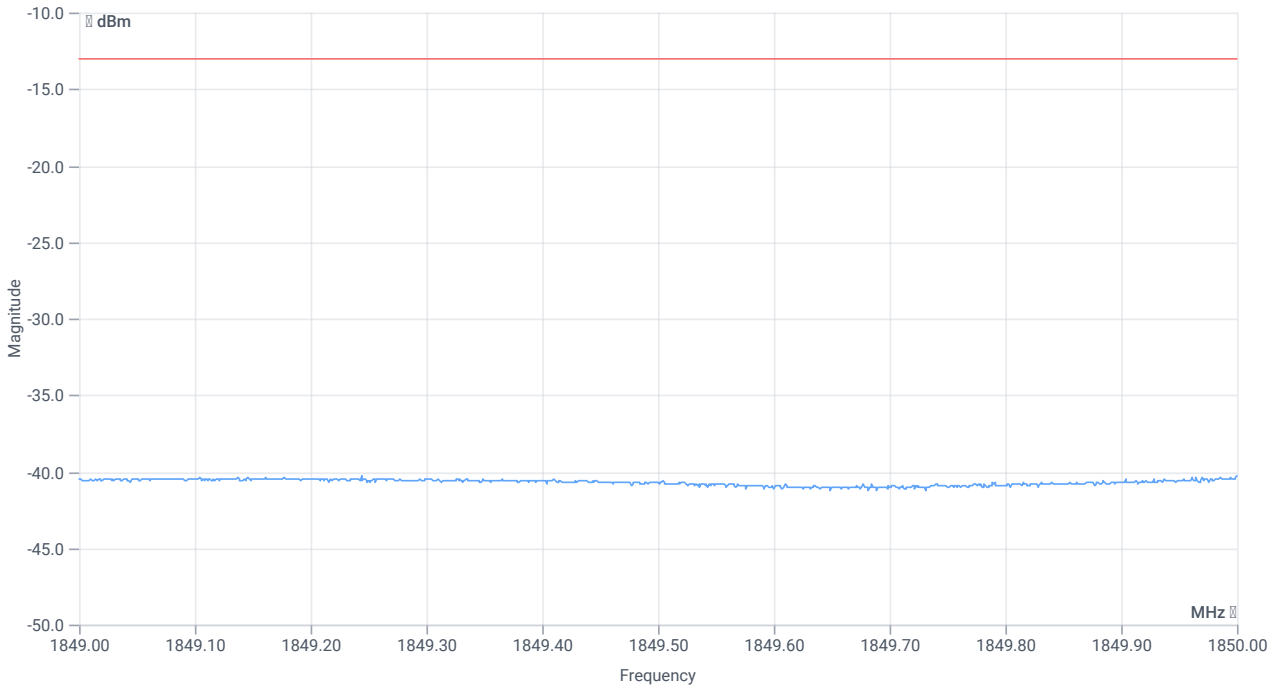
RESULT lower band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 1849.5	---	-13	-22.3	dBm	PASS

Test freq: low, UL[MHz]/CH 1860/26140, CBW [MHz]: 20, RB_50PCT_high, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.74 | 2.92 | 29
Start [MHz] | Stop [MHz]	1849.000 | 1850.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE lower

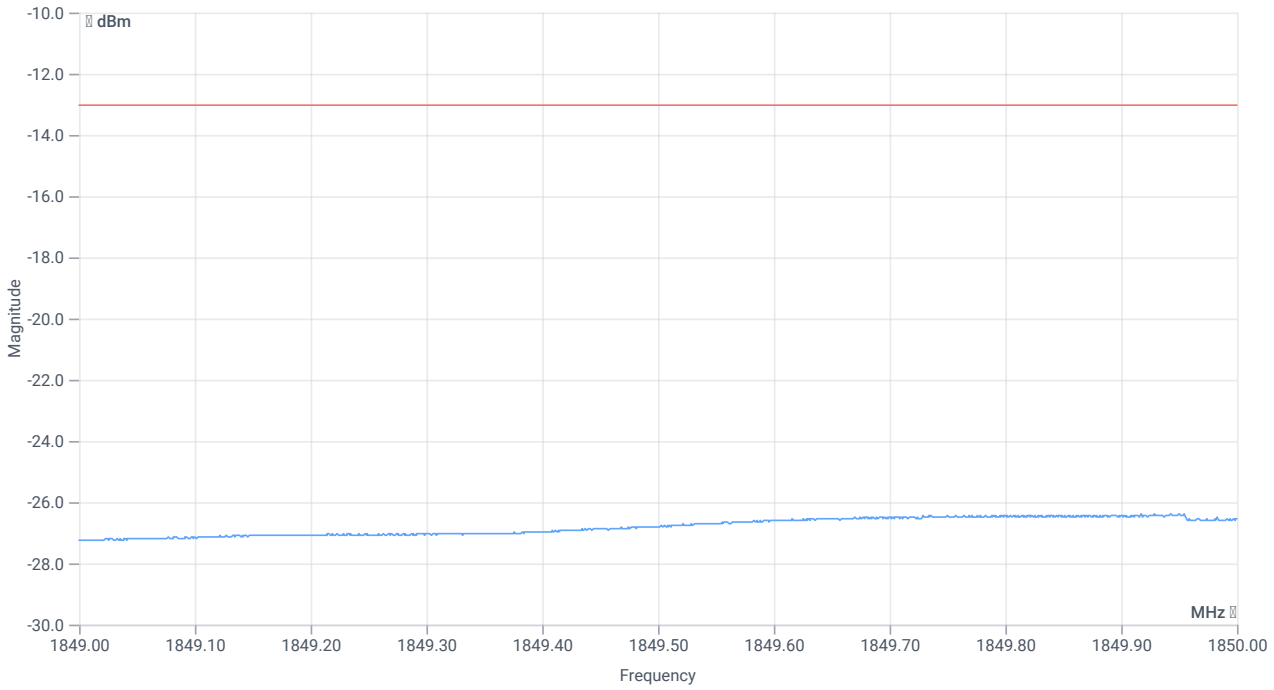
RESULT lower band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 1849.5	---	-13	-33.99	dBm	PASS

Test freq: low, UL[MHz]/CH 1860/26140, CBW [MHz]: 20, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.30 | 2.92 | 28
Start [MHz] | Stop [MHz]	1849.000 | 1850.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE lower

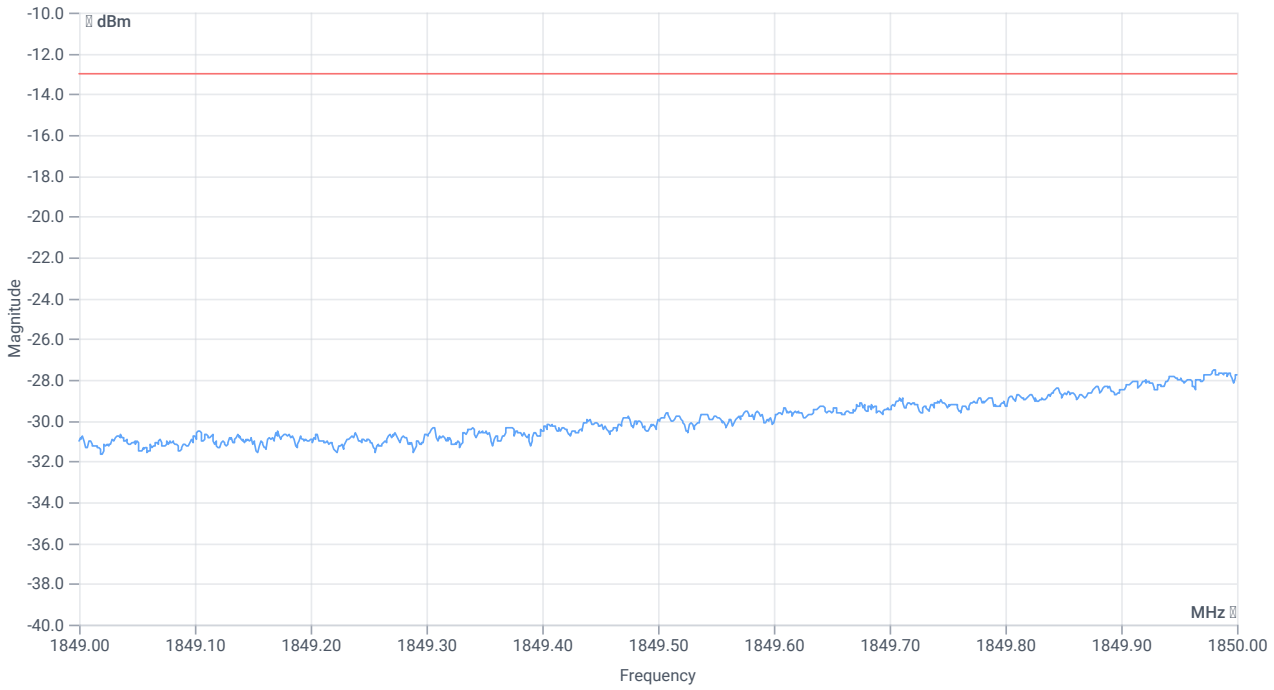
RESULT lower band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 1849.5	---	-13	-20.07	dBm	PASS

Test freq: low, UL[MHz]/CH 1860/26140, CBW [MHz]: 20, RB_25PCT_low, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.97 | 2.92 | 31
Start [MHz] | Stop [MHz]	1849.000 | 1850.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE lower

RESULT lower band

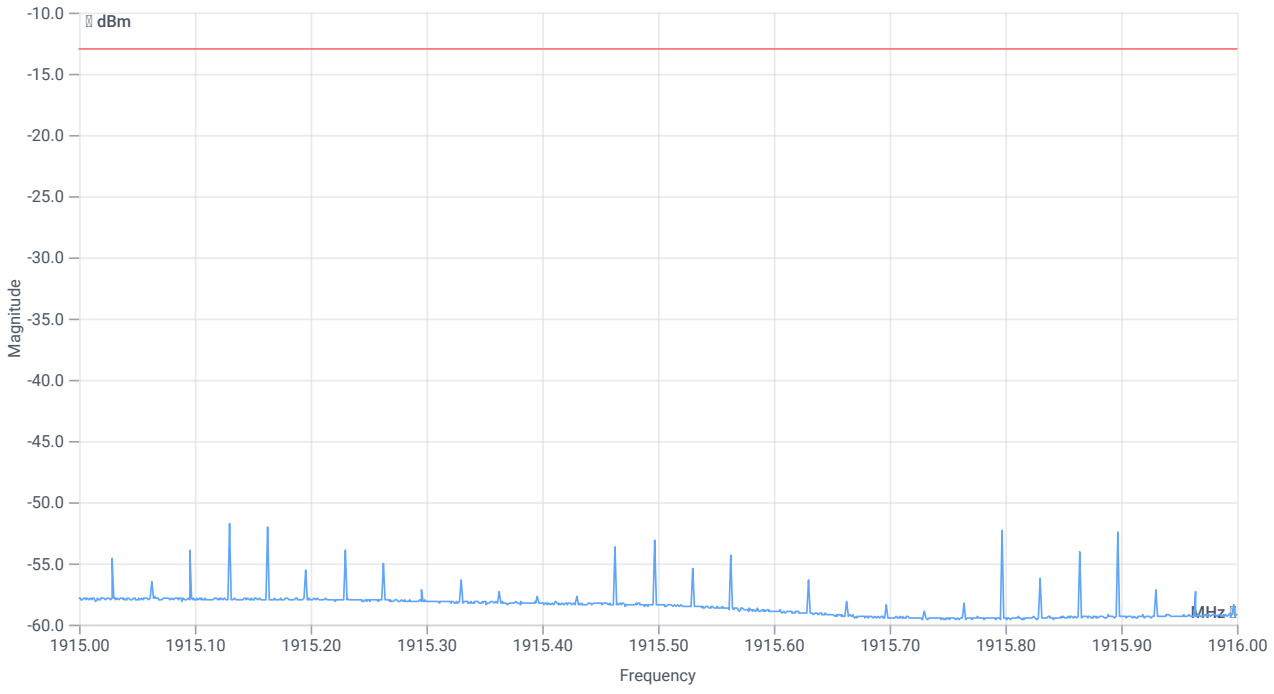
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 1849.5	---	-13	-23.11	dBm	PASS

Test frequency: high

Test freq: high, UL[MHz]/CH 1905/26590, CBW [MHz]: 20, RB_1_low, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.63 | 2.92 | 34
Start [MHz] | Stop [MHz]	1915.000 | 1916.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE upper

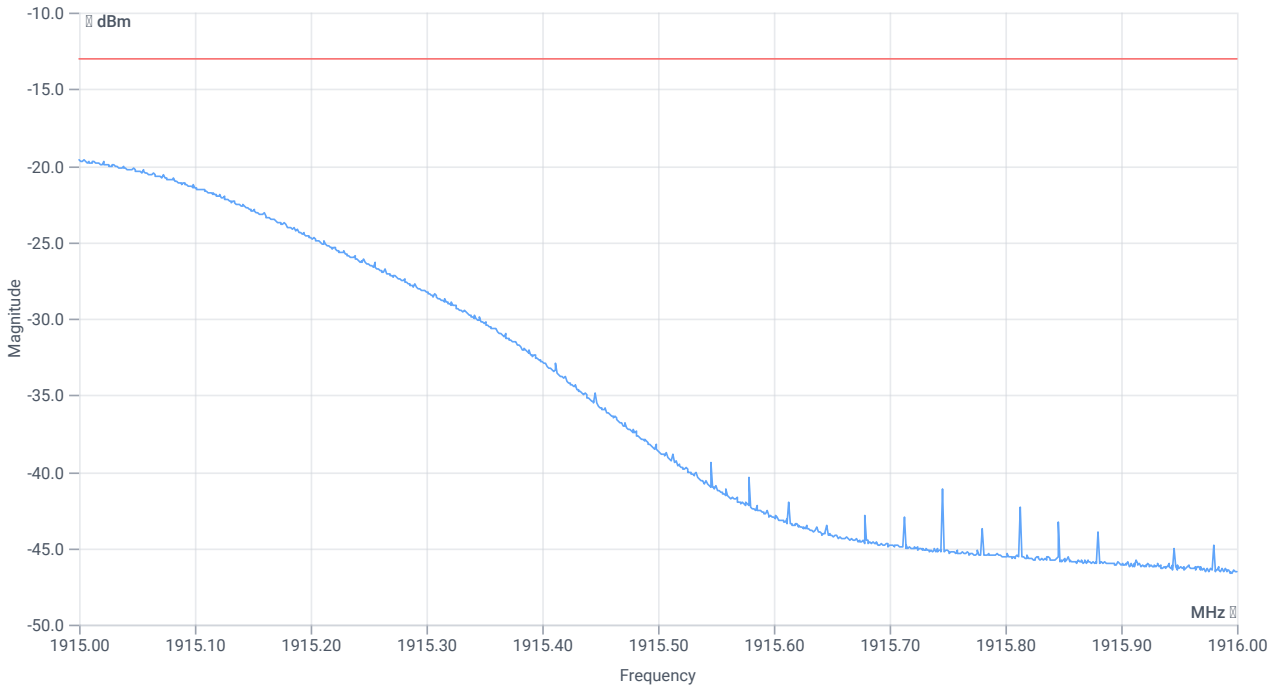
RESULT upper band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 1915.5	---	-13	-51.72	dBm	PASS

Test freq: high, UL[MHz]/CH 1905/26590, CBW [MHz]: 20, RB_1_high, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.51 | 2.92 | 34
Start [MHz] | Stop [MHz]	1915.000 | 1916.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE upper

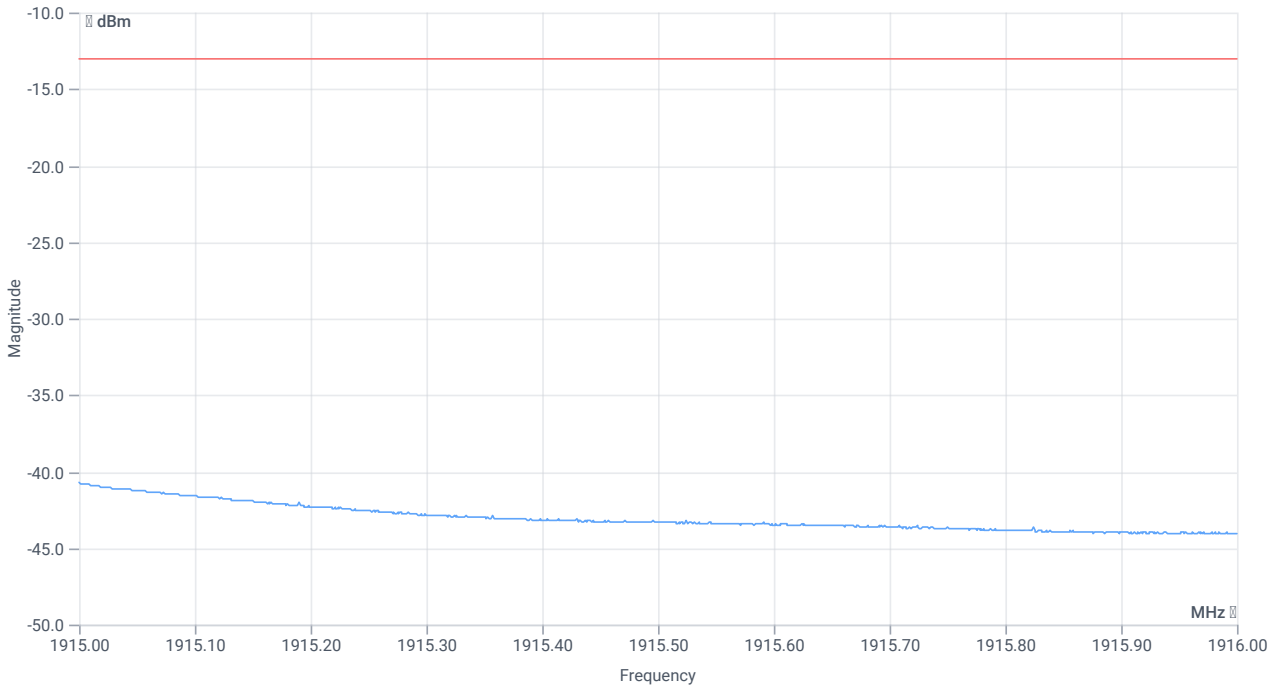
RESULT upper band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 1915.5	---	-13	-20.71	dBm	PASS

Test freq: high, UL[MHz]/CH 1905/26590, CBW [MHz]: 20, RB_50PCT_low, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.72 | 2.92 | 29
Start [MHz] | Stop [MHz]	1915.000 | 1916.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE upper

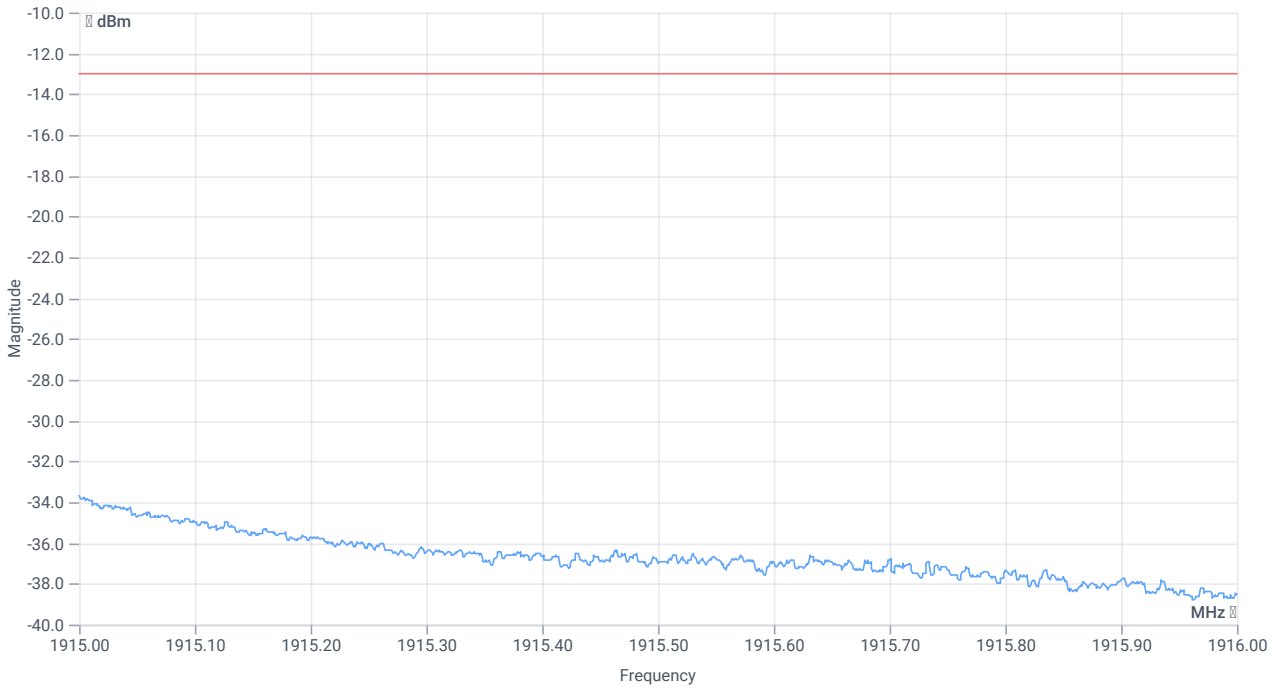
RESULT upper band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 1915.5	---	-13	-36.25	dBm	PASS

Test freq: high, UL[MHz]/CH 1905/26590, CBW [MHz]: 20, RB_50PCT_high, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.93 | 2.92 | 30
Start [MHz] | Stop [MHz]	1915.000 | 1916.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE upper

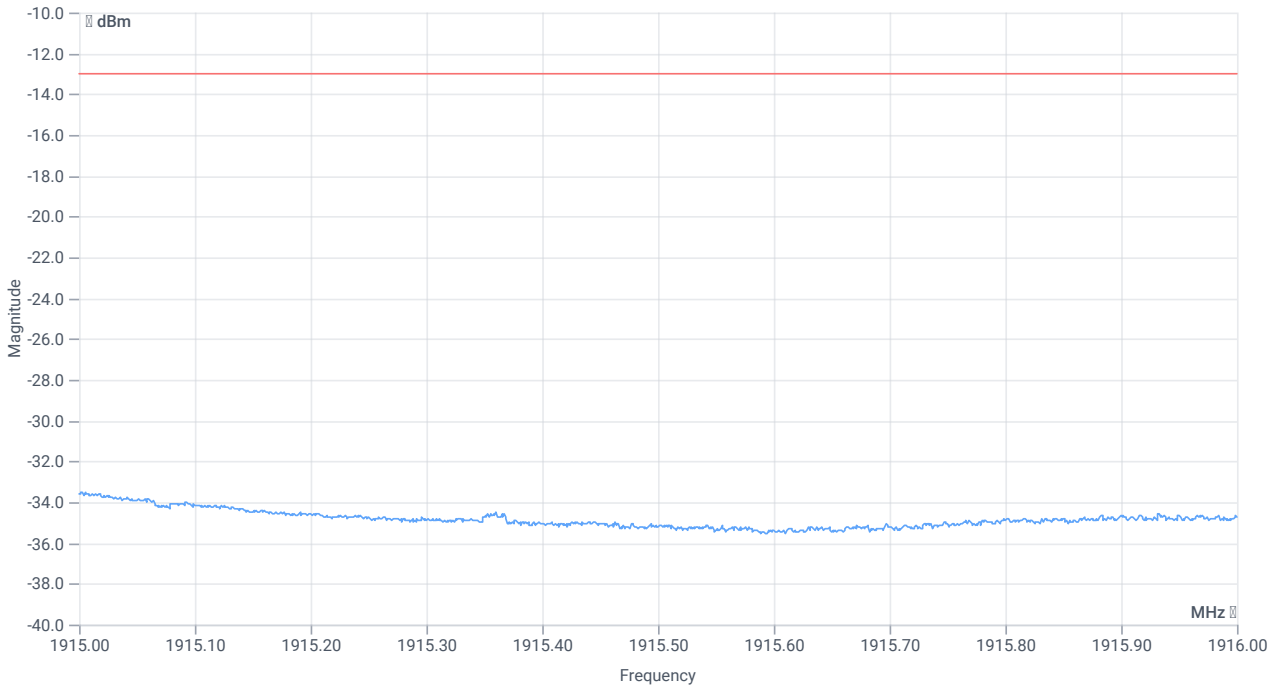
RESULT upper band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 1915.5	---	-13	-29.85	dBm	PASS

Test freq: high, UL[MHz]/CH 1905/26590, CBW [MHz]: 20, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.77 | 2.92 | 28
Start [MHz] | Stop [MHz]	1915.000 | 1916.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE upper

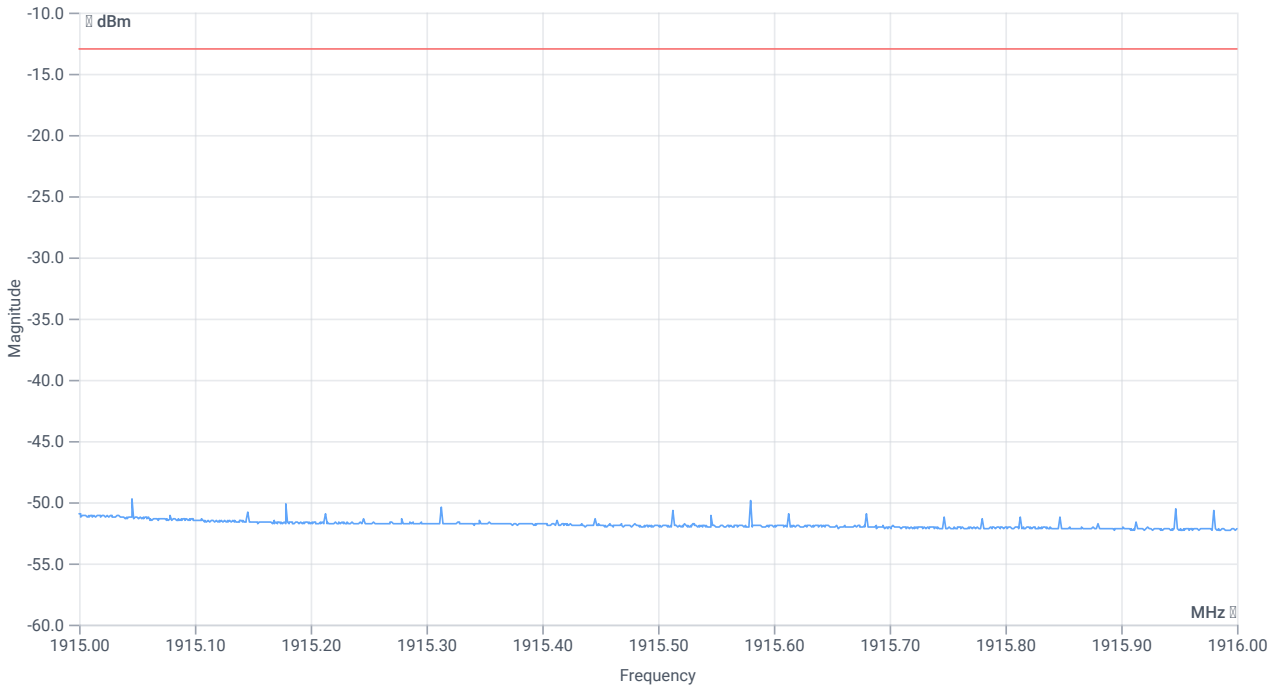
RESULT upper band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 1915.5	---	-13	-28.11	dBm	PASS

Test freq: high, UL[MHz]/CH 1905/26590, CBW [MHz]: 20, RB_25PCT_low, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.80 | 2.92 | 30
Start [MHz] | Stop [MHz]	1915.000 | 1916.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE upper

RESULT upper band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 1915.5	---	-13	-45.11	dBm	PASS

Verdict
PASS

FCC, ISED # Block edge conducted ~ LTE Band_26 Ant-EUT1

References

TC start	19.04.2024 15:58:19
Ambit temp [°C] | humidity [rel%]	not enabled | not enabled
System version	5.0.3.9
Standard | Version	FCC, ISED | NI
Method	
Description	FCC/ISED Block edge conducted - LTE Band_26
Information	

Equipment

Signal analyzer,Rohde&Schwarz,FSV3030,1330.5000K30/101247,1.90
Signaling unit,Rohde&Schwarz,CMW,1201.0002k50/168880,4.0.140
Switch matrix, cetecom advanced, USM virtual,RCE-PC19,none

Test Parameter

Technology to test	LTE
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 0
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 0
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000000:00000000:00000000:00000000

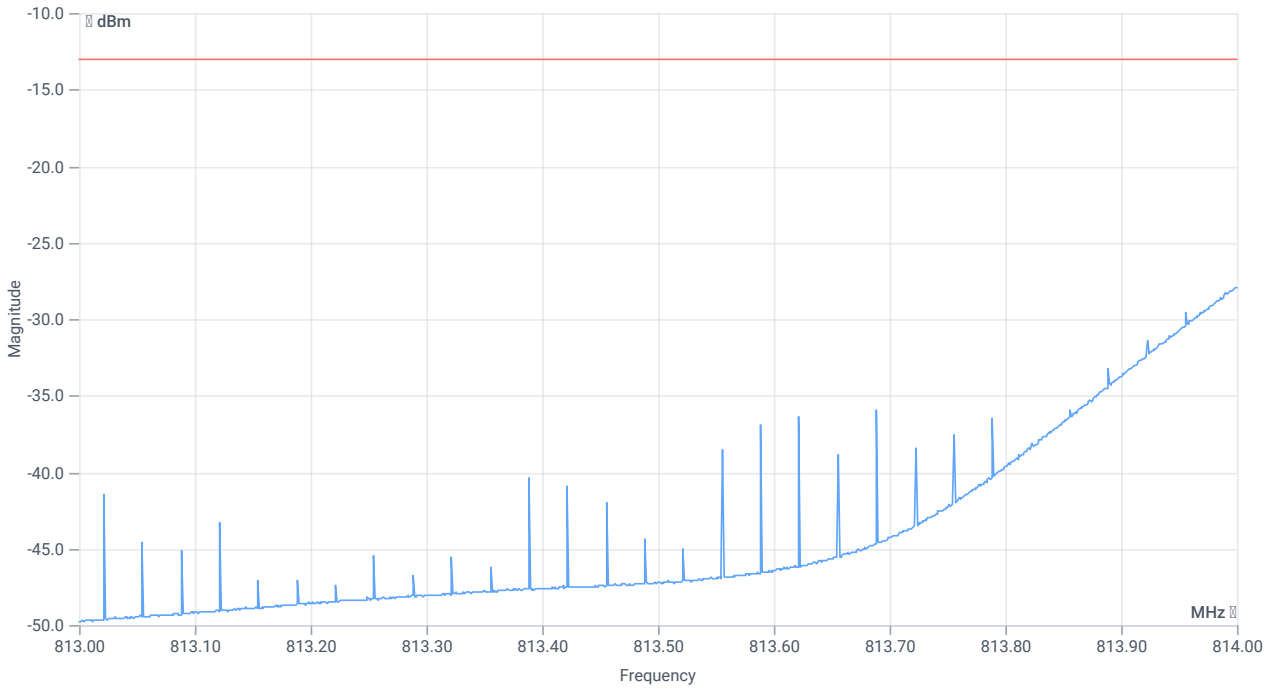
Test for CBW [MHz]: 15

Test frequency: low

Test freq: low, UL[MHz]/CH 821.5/26765, CBW [MHz]: 15, RB_1_low, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.11 | 2.63 | 35
Start [MHz] | Stop [MHz]	813.000 | 814.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE lower

RESULT lower band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 813.5	---	-13	-32	dBm	PASS

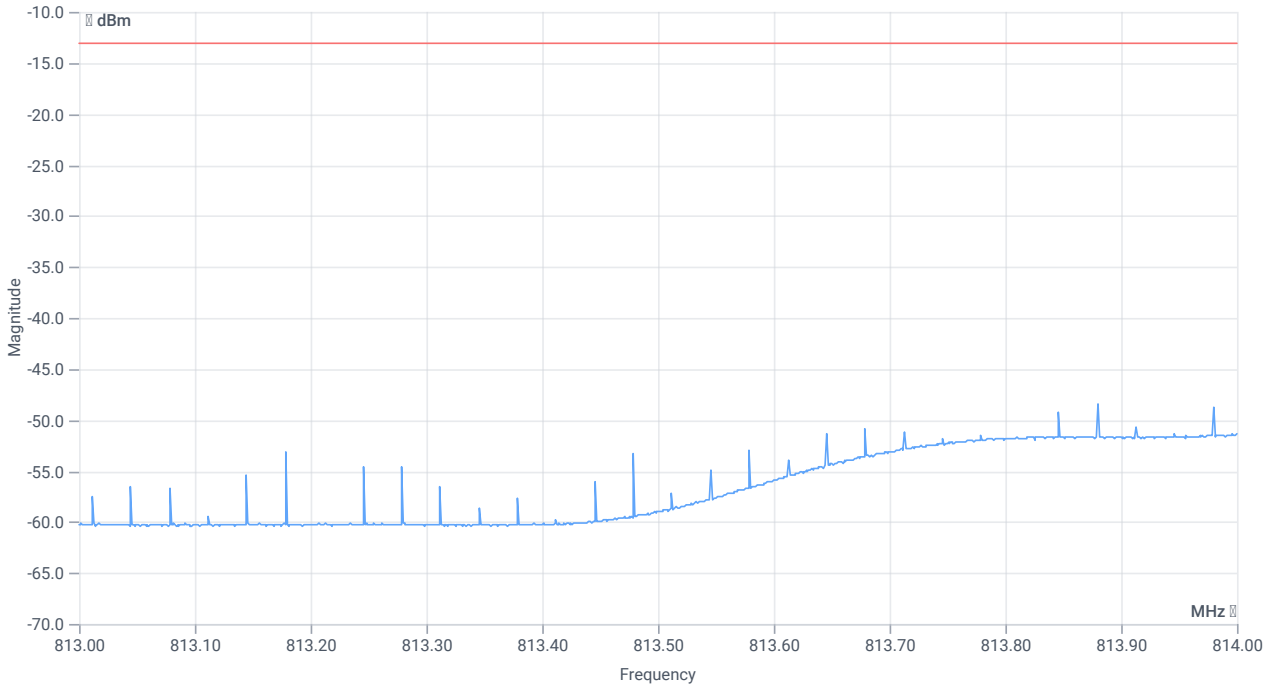
Test freq: low, UL[MHz]/CH 821.5/26765, CBW [MHz]: 15, RB_1_high, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.26 | 2.63 | 35
Start [MHz] | Stop [MHz]	813.000 | 814.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000

READ SA SETTINGS:

Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE lower

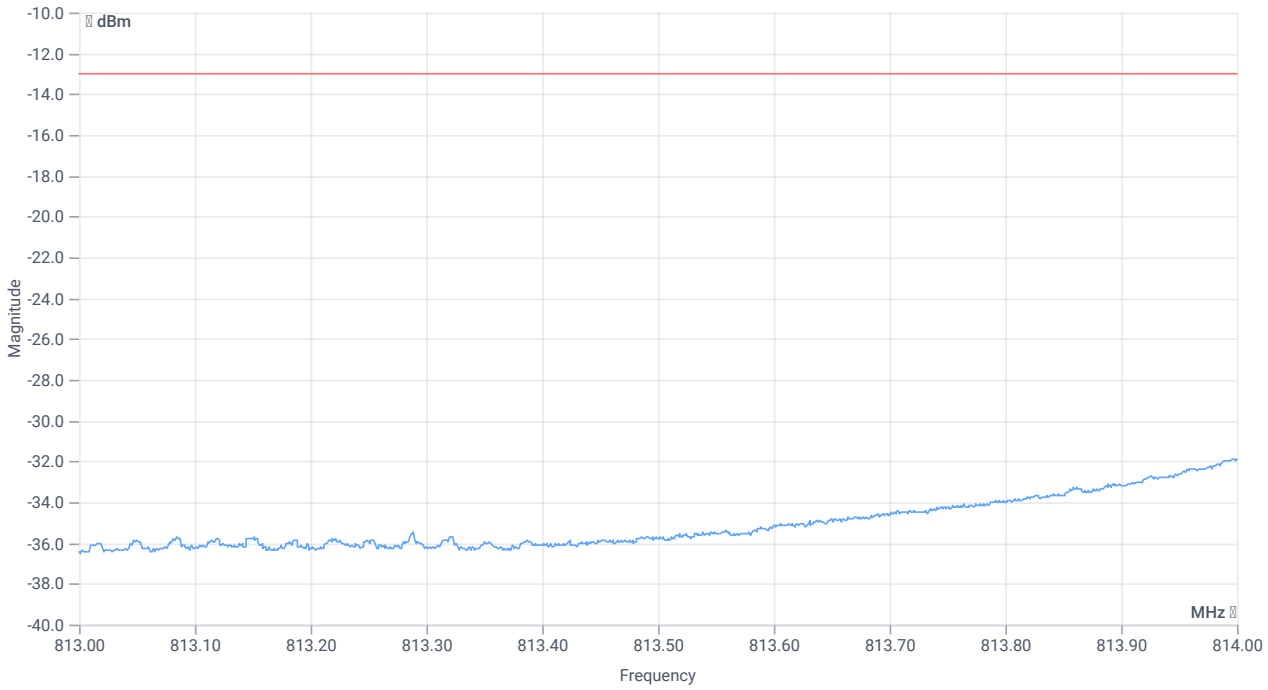
RESULT lower band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 813.5	---	-13	-48.47	dBm	PASS

Test freq: low, UL[MHz]/CH 821.5/26765, CBW [MHz]: 15, RB_50PCT_low, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.14 | 2.63 | 31
Start [MHz] | Stop [MHz]	813.000 | 814.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE lower

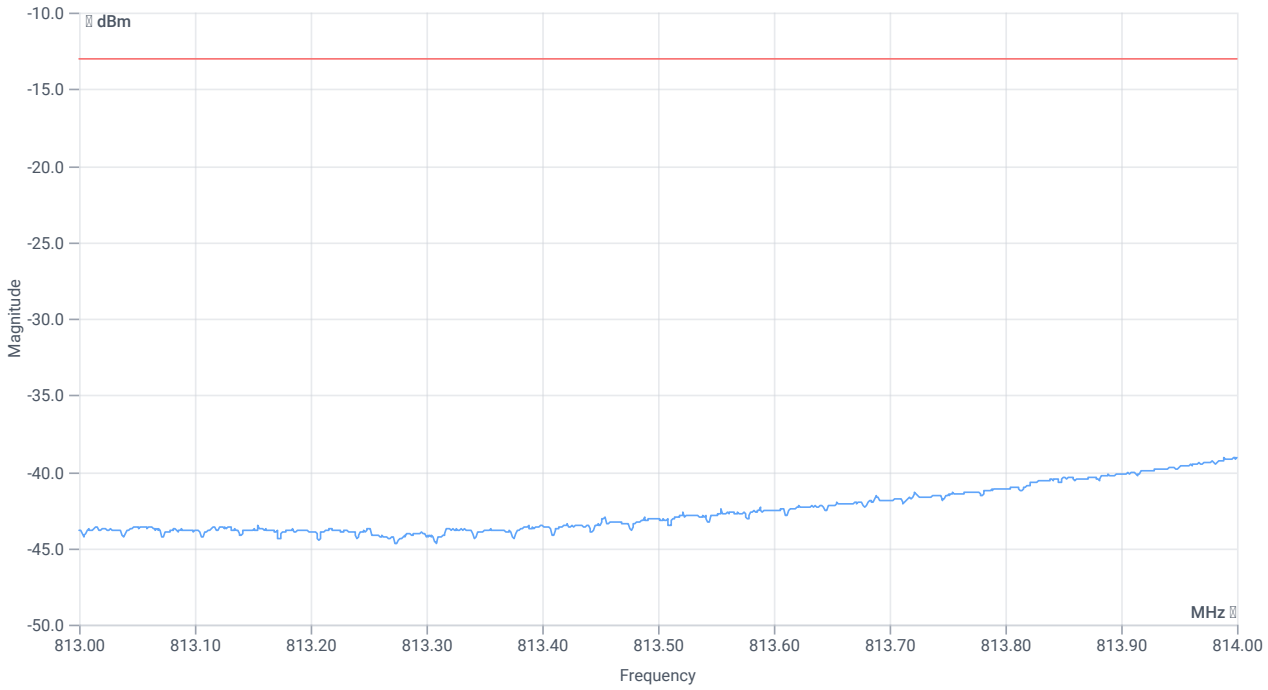
RESULT lower band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 813.5	---	-13	-28.23	dBm	PASS

Test freq: low, UL[MHz]/CH 821.5/26765, CBW [MHz]: 15, RB_50PCT_high, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.28 | 2.63 | 31
Start [MHz] | Stop [MHz]	813.000 | 814.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE lower

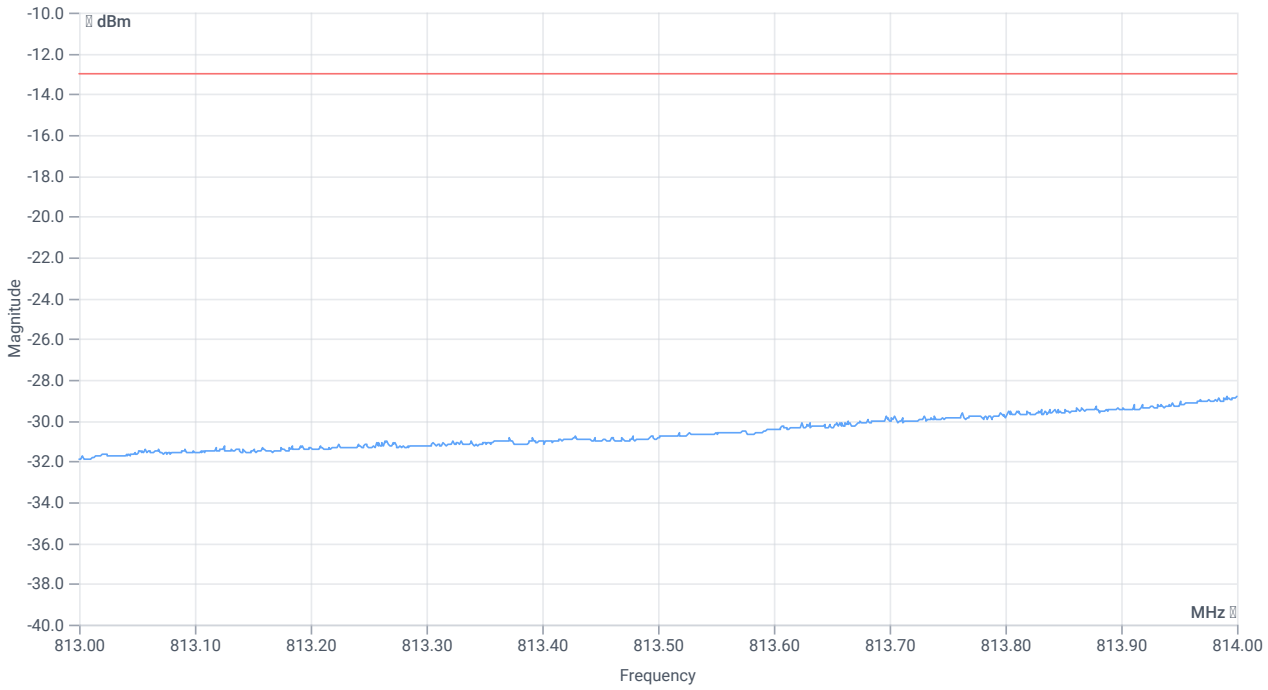
RESULT lower band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 813.5	---	-13	-35.6	dBm	PASS

Test freq: low, UL[MHz]/CH 821.5/26765, CBW [MHz]: 15, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.95 | 2.63 | 30
Start [MHz] | Stop [MHz]	813.000 | 814.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE lower

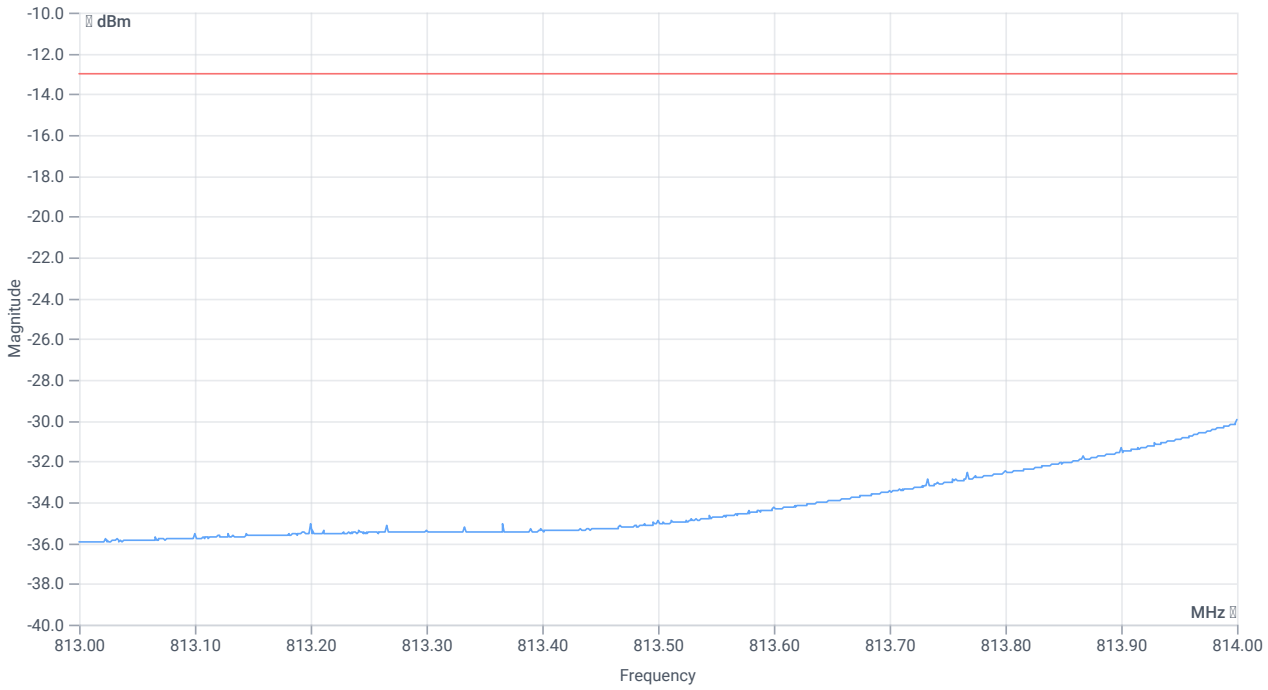
RESULT lower band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 813.5	---	-13	-23.8	dBm	PASS

Test freq: low, UL[MHz]/CH 821.5/26765, CBW [MHz]: 15, RB_25PCT_low, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.18 | 2.63 | 32
Start [MHz] | Stop [MHz]	813.000 | 814.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE lower

RESULT lower band

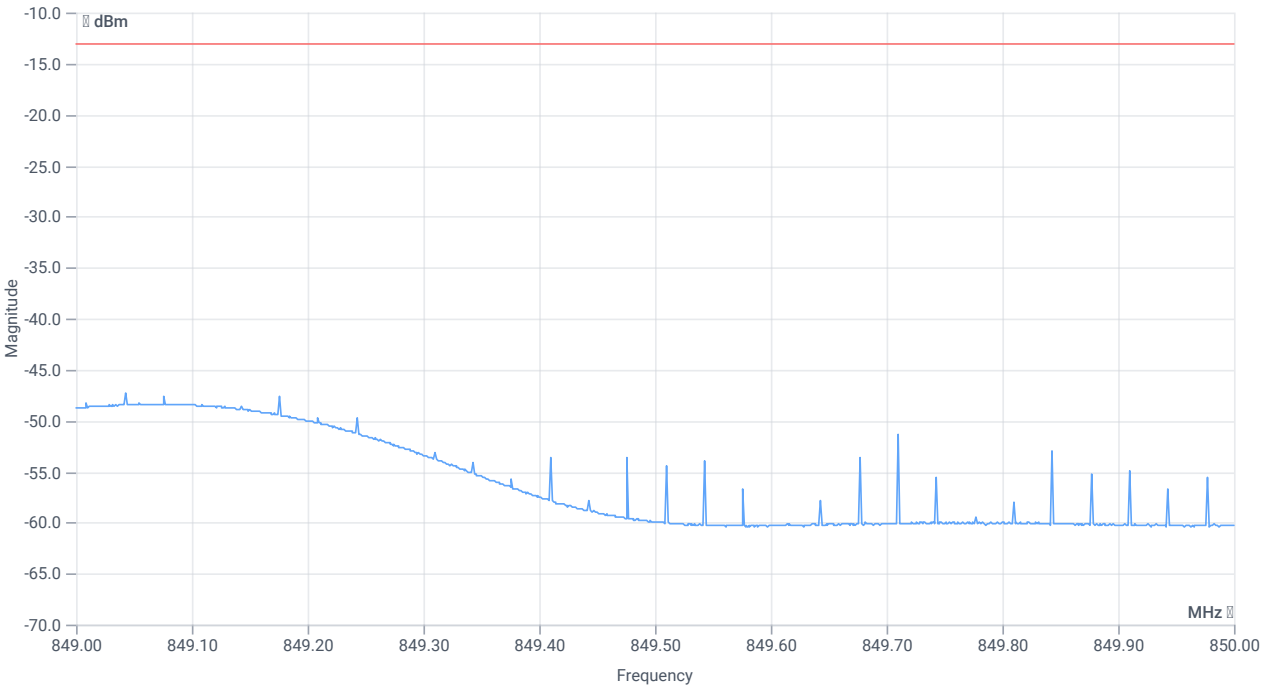
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 813.5	---	-13	-27.17	dBm	PASS

Test frequency: high

Test freq: high, UL[MHz]/CH 841.5/26965, CBW [MHz]: 15, RB_1_low, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.23 | 2.64 | 35
Start [MHz] | Stop [MHz]	849.000 | 850.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE upper

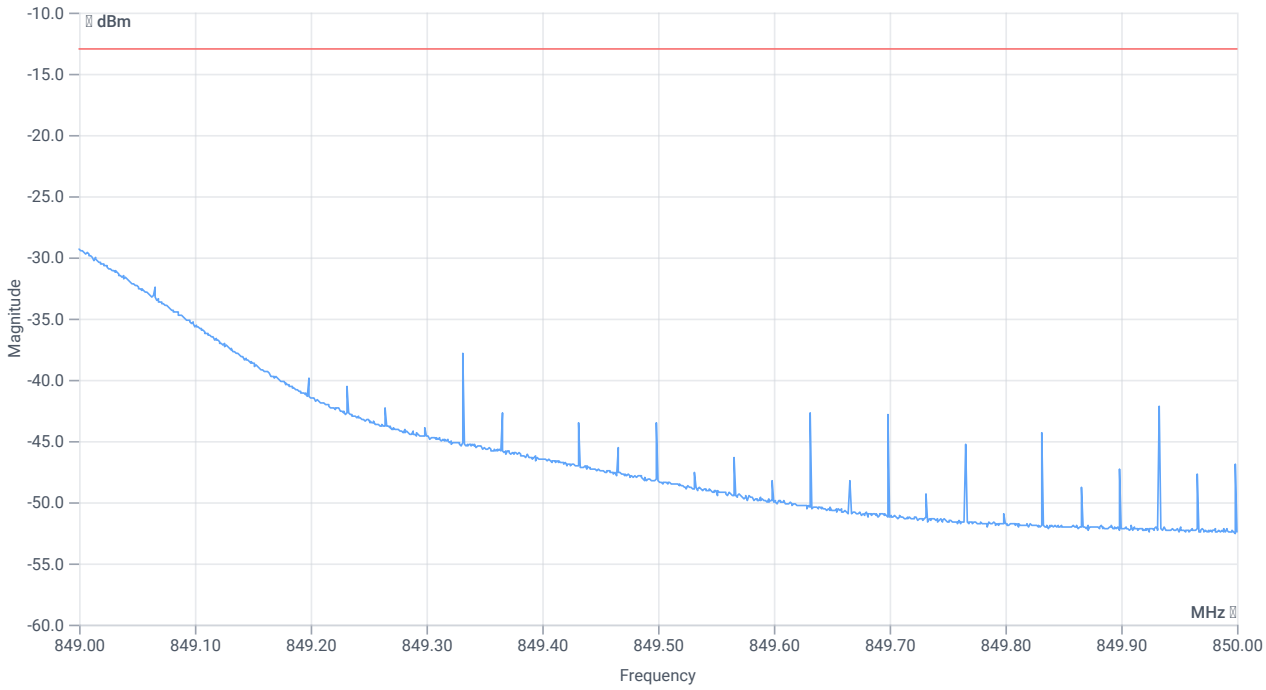
RESULT upper band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 849.5	---	-13	-46.91	dBm	PASS

Test freq: high, UL[MHz]/CH 841.5/26965, CBW [MHz]: 15, RB_1_high, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.09 | 2.64 | 35
Start [MHz] | Stop [MHz]	849.000 | 850.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE upper

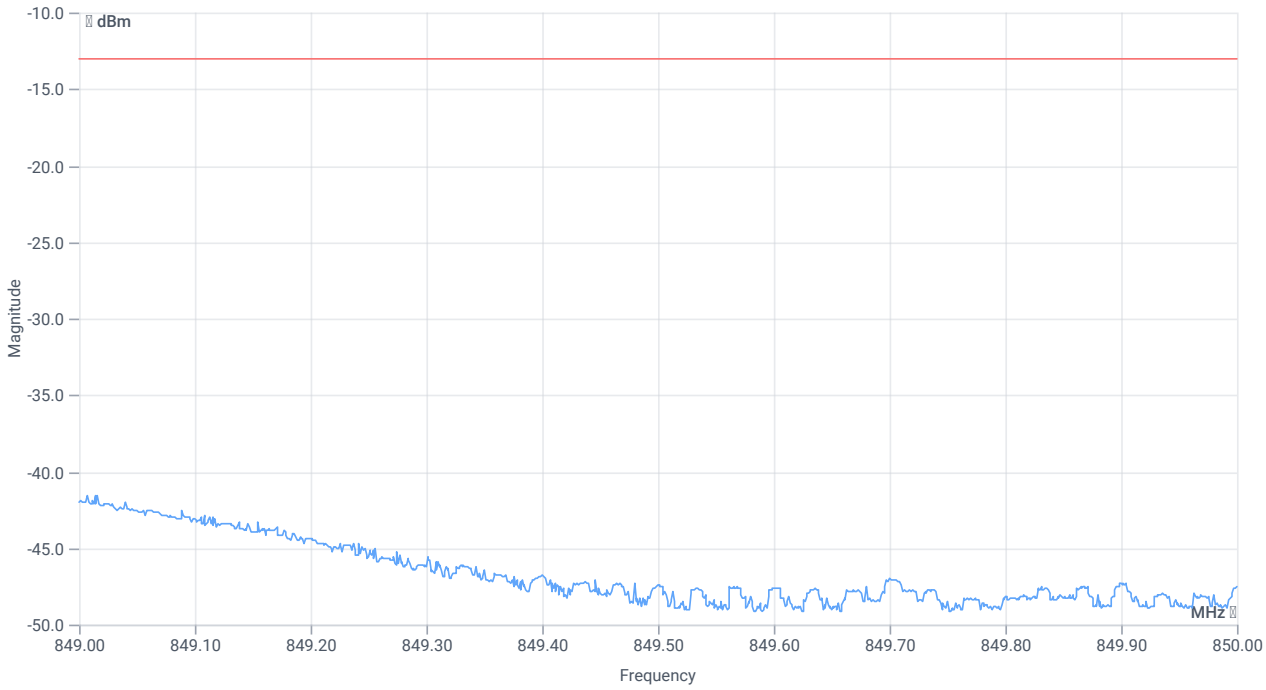
RESULT upper band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 849.5	---	-13	-33.65	dBm	PASS

Test freq: high, UL[MHz]/CH 841.5/26965, CBW [MHz]: 15, RB_50PCT_low, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.23 | 2.64 | 31
Start [MHz] | Stop [MHz]	849.000 | 850.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE upper

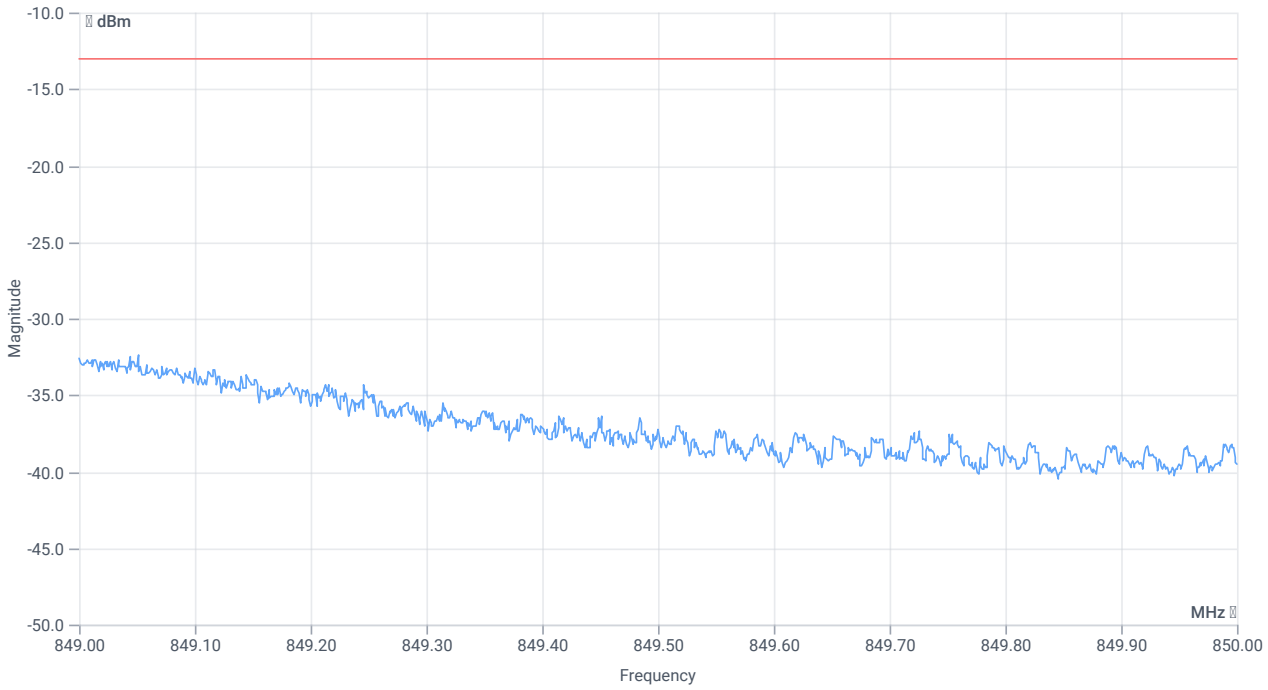
RESULT upper band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 849.5	---	-13	-39.48	dBm	PASS

Test freq: high, UL[MHz]/CH 841.5/26965, CBW [MHz]: 15, RB_50PCT_high, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.28 | 2.64 | 31
Start [MHz] | Stop [MHz]	849.000 | 850.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE upper

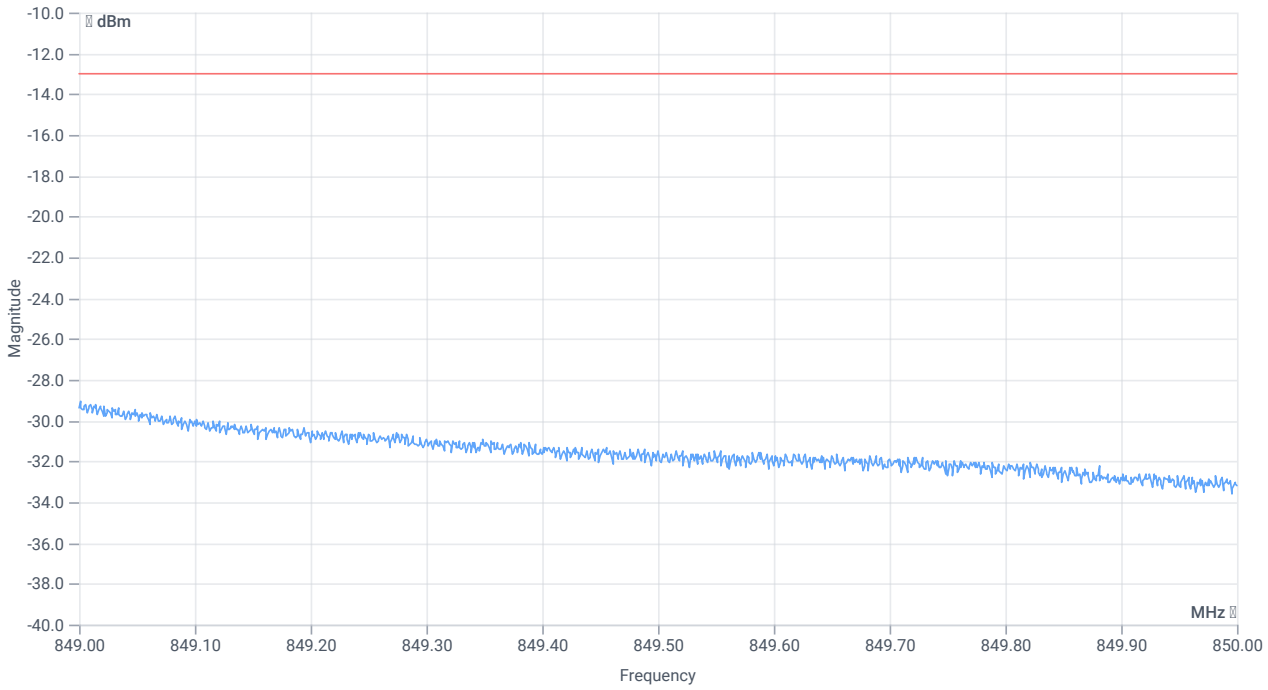
RESULT upper band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 849.5	---	-13	-29.94	dBm	PASS

Test freq: high, UL[MHz]/CH 841.5/26965, CBW [MHz]: 15, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.98 | 2.64 | 30
Start [MHz] | Stop [MHz]	849.000 | 850.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE upper

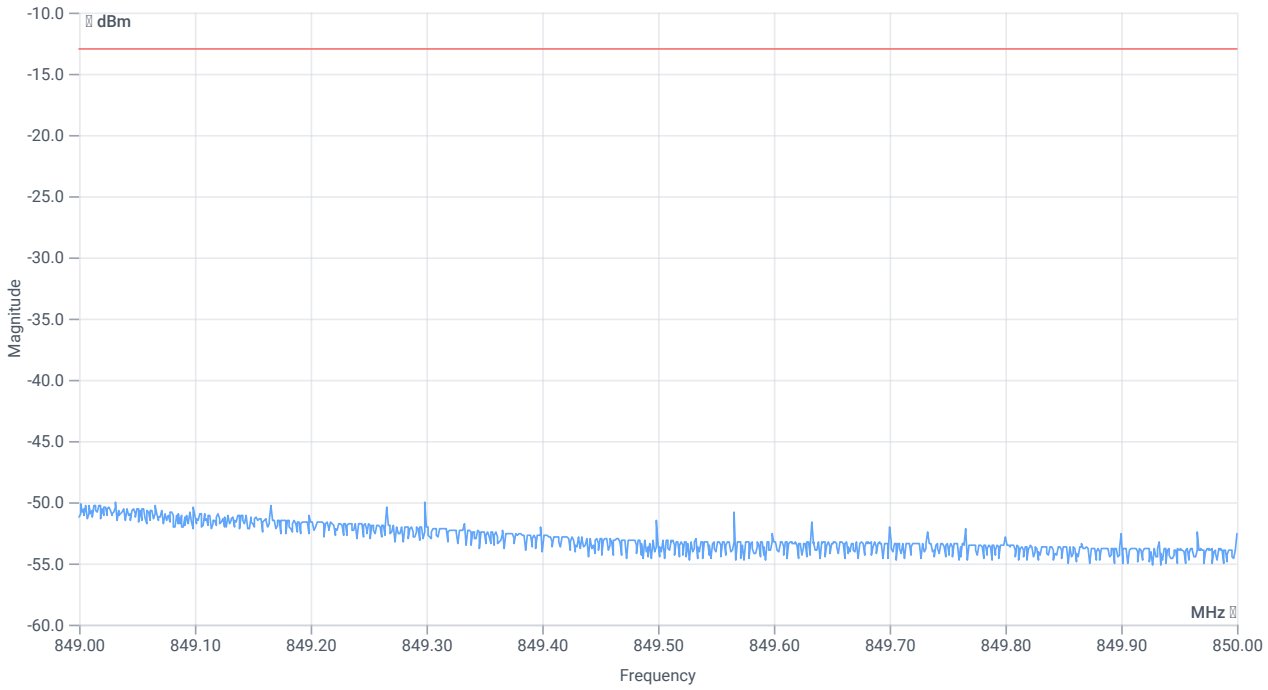
RESULT upper band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 849.5	---	-13	-24.74	dBm	PASS

Test freq: high, UL[MHz]/CH 841.5/26965, CBW [MHz]: 15, RB_25PCT_low, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.32 | 2.64 | 32
Start [MHz] | Stop [MHz]	849.000 | 850.000
RBW [MHz] | VBW [MHz]	0.200000 | 1.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	30000 | 1 | 1001 | SWE



BE upper

RESULT upper band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 849.5	---	-13	-46.08	dBm	PASS

Verdict

PASS

- END OF DOCUMENT -