

Conducted test results

No.1-0307-25-01-02_TR1-A201-R01

August 22, 2025

Test Standard(s)

NA - NI

FCC, ISED - GSM850_Part22H, GSM1900_Part24E

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Authorized

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NA # Output power conducted by signaling unit ~ GSM EGPR Band_850

References

TC start	21.08.2025 07:34:37
Ambit temp (test rack) [°C] humidity [rel%]	not enabled not enabled
System version	6.0.3.0
Standard Version	NA NI
Method	
Description	Output power cond. by signaling unit - GSM EGPR Band_850
Information	

EUT Common settings GSM

Max PCL GSM 900/850 GSM 1800/1900	5 0
Max Γ GSM 900/850 GSM 1800/1900	3 3
No of UL slots GPRS EGPRs	1 1

Equipment

Signaling unit GSM/UMTS/LTE,Rohde&Schwarz,CMW,1201.0002k50/172340,4.0.250
Switch matrix,cetecom advanced GmbH,USM,D001,1.0.0

Test Parameter

Technology to test	GSM
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 824.2
Frequency mid to test	True Freq [MHz] 836.4000000000001
Frequency high to test	True Freq [MHz] 848.8000000000001
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
Full path type	EUT_SIG
Full path name	EUT1.MP.SIG1/
Switch bits	00000001:00000001:00000000:00000110

Test at UL [MHz]: 824.2, UL Channel: 128, Coding: MC5, PCL/ Γ : 3

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Burst power (by SigU) --	--	--	27.44	dBm	INFO

Test at UL [MHz]: 836.4000000000001, UL Channel: 189, Coding: MC5, PCL/Γ: 3

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Burst power (by SigU) --	--	--	27.11	dBm	INFO

Test at UL [MHz]: 848.8000000000001, UL Channel: 251, Coding: MC5, PCL/Γ: 3

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Burst power (by SigU) --	--	--	26.46	dBm	INFO

Verdict

PASS

FCC, ISED # Block edge conducted ~ GSM EGPR Band_850

References

TC start	21.08.2025 07:35:04
Ambit temp (test rack) [°C] humidity [rel%]	not enabled not enabled
System version	6.0.3.0
Standard Version	FCC, ISED GSM850_Part22H, GSM1900_Part24E
Method	
Description	FCC/ISED Block edge conducted - GSM EGPR Band_850
Information	

EUT Common settings GSM

Max PCL GSM 900/850 GSM 1800/1900	5 0
Max Γ GSM 900/850 GSM 1800/1900	3 3
No of UL slots GPRS EGPRs	1 1

Equipment

Signal analyzer,Rohde&Schwarz,FSV3030,1330.5000K30/101247,1.90
Signaling unit GSM/UMTS/LTE,Rohde&Schwarz,CMW,1201.0002k50/172340,4.0.250
Switch matrix,cetecom advanced GmbH,USM,D001,1.0.0

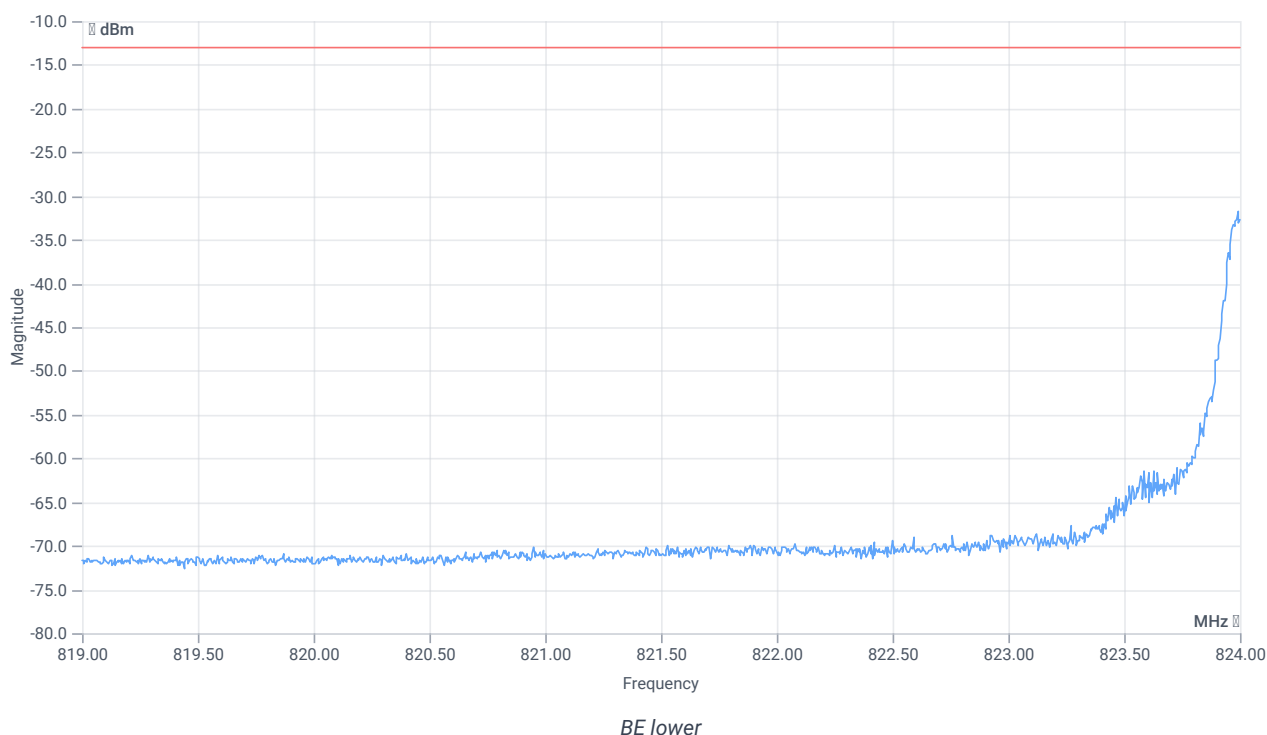
Test Parameter

Technology to test	GSM
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 824.2
Frequency mid to test	False Freq [MHz] 836.4000000000001
Frequency high to test	True Freq [MHz] 848.8000000000001
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

Test at UL [MHz]: 824.2, UL Channel: 128, Coding: MC5, PCL/Γ: 3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	31.84 1.84 40
Start [MHz] Stop [MHz]	819.000 824.000
RBW [MHz] VBW [MHz]	0.006250 0.020000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	30000 1 1001 SWE



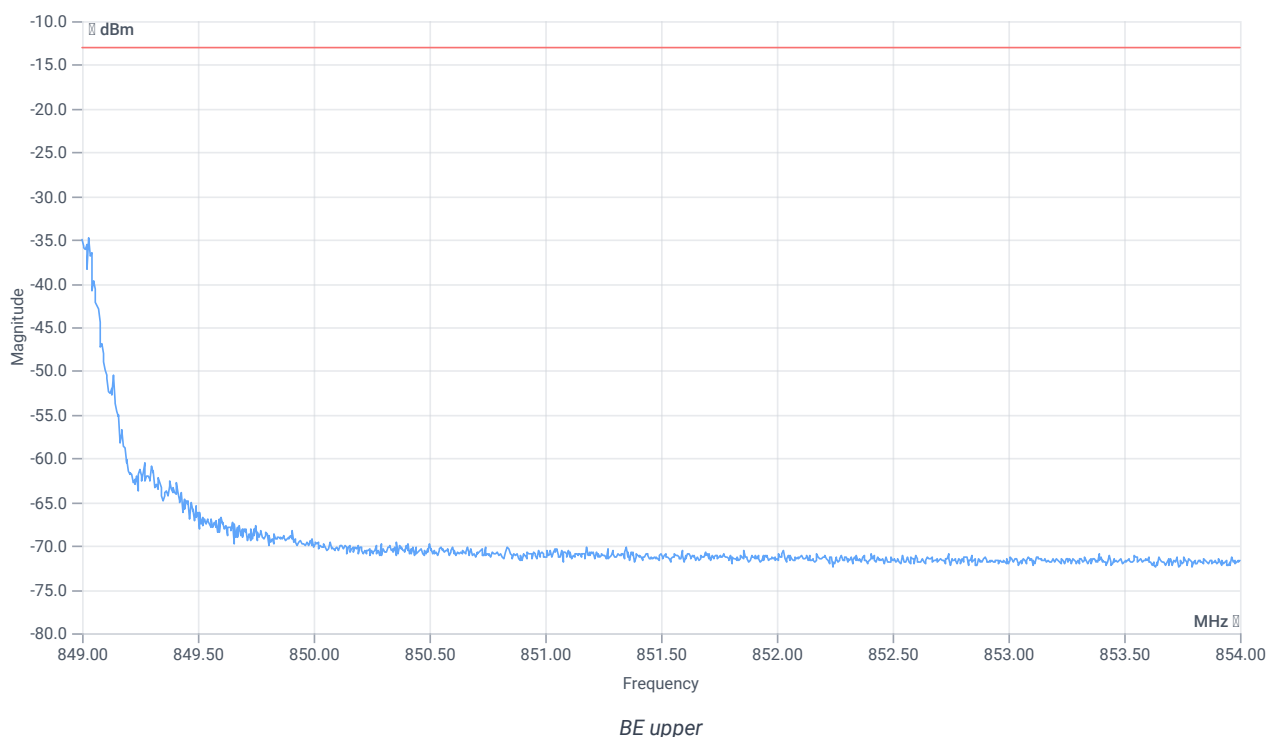
RESULT lower band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 823.5	---	-13	-23.93	dBm	PASS
Frequency [MHz] 822.5	---	-13	-48.6	dBm	PASS
Frequency [MHz] 821.5	---	-13	-48.99	dBm	PASS
Frequency [MHz] 820.5	---	-13	-49.66	dBm	PASS
Frequency [MHz] 819.5	---	-13	-49.94	dBm	PASS

Test at UL [MHz]: 848.8000000000001, UL Channel: 251, Coding: MC5, PCL/Γ: 3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	31.90 1.9 40
Start [MHz] Stop [MHz]	849.000 854.000
RBW [MHz] VBW [MHz]	0.006250 0.020000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	30000 1 1001 SWE



RESULT upper band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 849.5	---	-13	-26.78	dBm	PASS
Frequency [MHz] 850.5	---	-13	-48.85	dBm	PASS
Frequency [MHz] 851.5	---	-13	-49.41	dBm	PASS
Frequency [MHz] 852.5	---	-13	-49.81	dBm	PASS
Frequency [MHz] 853.5	---	-13	-49.99	dBm	PASS

Verdict

PASS

NA # Output power conducted by signaling unit ~ GSM EGPR Band_1900

References

TC start	21.08.2025 07:36:40
Ambit temp (test rack) [°C] humidity [rel%]	not enabled not enabled
System version	6.0.3.0
Standard Version	NA NI
Method	
Description	Output power cond. by signaling unit - GSM EGPR Band_1900
Information	

EUT Common settings GSM

Max PCL GSM 900/850 GSM 1800/1900	5 0
Max Γ GSM 900/850 GSM 1800/1900	3 3
No of UL slots GPRS EGPRs	1 1

Equipment

Signaling unit GSM/UMTS/LTE,Rohde&Schwarz,CMW,1201.0002k50/172340,4.0.250
Switch matrix,cetecom advanced GmbH,USM,D001,1.0.0

Test Parameter

Technology to test	GSM
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 1850.2
Frequency mid to test	True Freq [MHz] 1880
Frequency high to test	True Freq [MHz] 1909.8
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
Full path type	EUT_SIG
Full path name	EUT1.MP.SIG1/
Switch bits	00000001:00000001:00000000:00000110

Test at UL [MHz]: 1850.2, UL Channel: 512, Coding: MC5, PCL/Γ: 3

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Burst power (by SigU) --	--	--	26.32	dBm	INFO

Test at UL [MHz]: 1880, UL Channel: 661, Coding: MC5, PCL/Γ: 3

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Burst power (by SigU) --	--	--	26.86	dBm	INFO

Test at UL [MHz]: 1909.8, UL Channel: 810, Coding: MC5, PCL/Γ: 3

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Burst power (by SigU) --	--	--	25.43	dBm	INFO

Verdict

PASS

FCC, ISED # Block edge conducted ~ GSM EGPR Band_1900

References

TC start	21.08.2025 07:40:54
Ambit temp (test rack) [°C] humidity [rel%]	not enabled not enabled
System version	6.0.3.0
Standard Version	FCC, ISED GSM850_Part22H, GSM1900_Part24E
Method	
Description	FCC/ISED Block edge conducted - GSM EGPR Band_1900
Information	

EUT Common settings GSM

Max PCL GSM 900/850 GSM 1800/1900	5 0
Max Γ GSM 900/850 GSM 1800/1900	3 3
No of UL slots GPRS EGPRs	1 1

Equipment

Signal analyzer,Rohde&Schwarz,FSV3030,1330.5000K30/101247,1.90
Signaling unit GSM/UMTS/LTE,Rohde&Schwarz,CMW,1201.0002k50/172340,4.0.250
Switch matrix,cetecom advanced GmbH,USM,D001,1.0.0

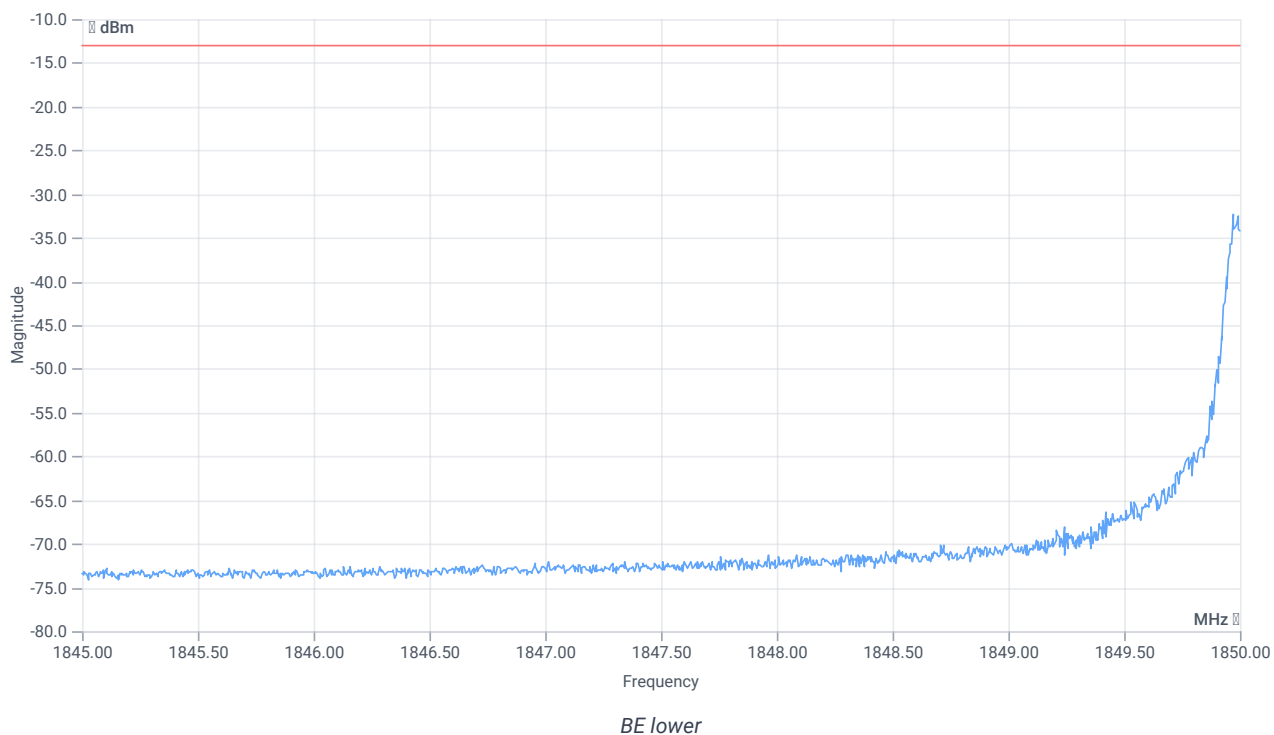
Test Parameter

Technology to test	GSM
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 1850.2
Frequency mid to test	False Freq [MHz] 1880
Frequency high to test	True Freq [MHz] 1909.8
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

Test at UL [MHz]: 1850.2, UL Channel: 512, Coding: MC5, PCL/Γ: 3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	28.95 2.77 37
Start [MHz] Stop [MHz]	1845.000 1850.000
RBW [MHz] VBW [MHz]	0.006250 0.020000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	30000 1 1001 SWE



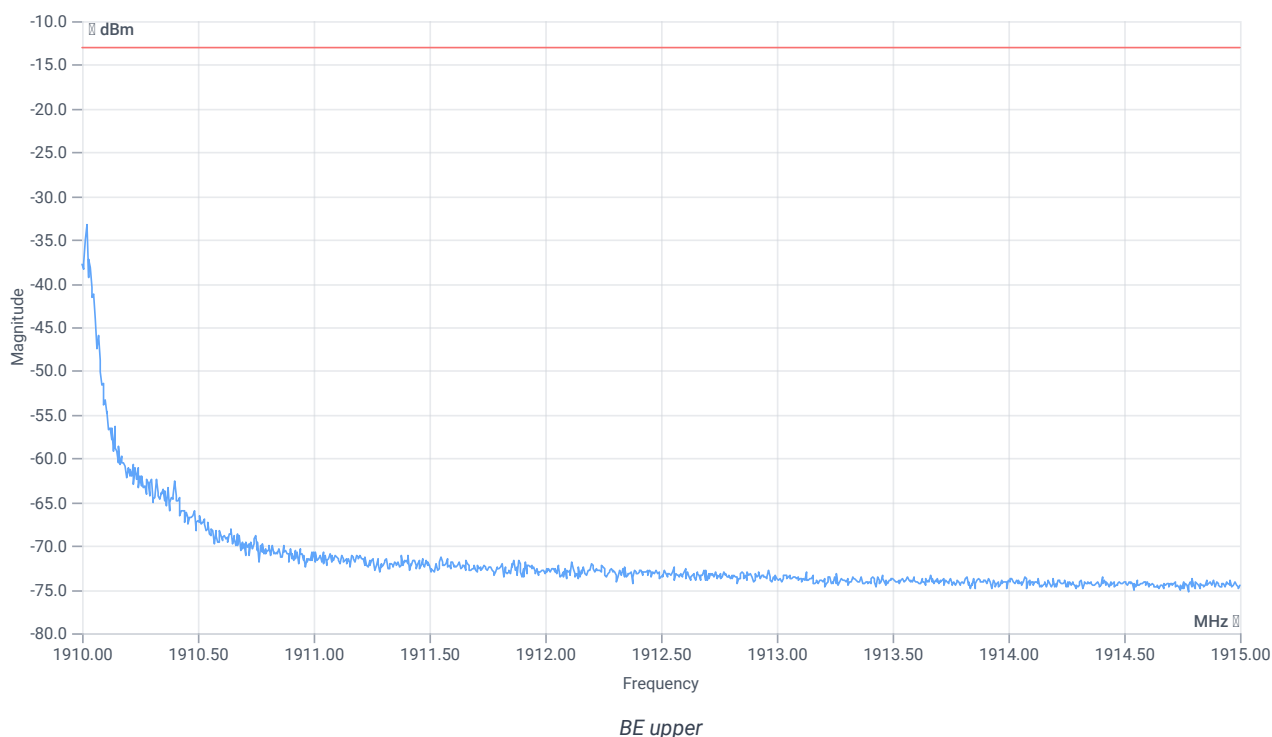
RESULT lower band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 1849.5	---	-13	-24.67	dBm	PASS
Frequency [MHz] 1848.5	---	-13	-49.8	dBm	PASS
Frequency [MHz] 1847.5	---	-13	-50.83	dBm	PASS
Frequency [MHz] 1846.5	---	-13	-51.36	dBm	PASS
Frequency [MHz] 1845.5	---	-13	-51.66	dBm	PASS

Test at UL [MHz]: 1909.8, UL Channel: 810, Coding: MC5, PCL/Γ: 3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	28.48 3.04 36
Start [MHz] Stop [MHz]	1910.000 1915.000
RBW [MHz] VBW [MHz]	0.006250 0.020000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	30000 1 1001 SWE



RESULT upper band

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Band power 1MHz					
Frequency [MHz] 1910.5	---	-13	-27.97	dBm	PASS
Frequency [MHz] 1911.5	---	-13	-50.36	dBm	PASS
Frequency [MHz] 1912.5	---	-13	-51.45	dBm	PASS
Frequency [MHz] 1913.5	---	-13	-52.24	dBm	PASS
Frequency [MHz] 1914.5	---	-13	-52.61	dBm	PASS

Verdict

PASS

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