

Measurement Results

No.1-3977/22-02-11_Annex_MR_A1

Test logging

This document is electronically signed and valid without handwritten signature.
For verification of the electronic signatures, the public keys can be requested at the testing laboratory.

Test/s performed:

Andreas Luckenbill
Head of Department
Radio Communications

Table of Content

EUT Information	10
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	11
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	16
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	24
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	32
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	40
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	48
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	56
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	64
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	72
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	80
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	88
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	96
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	101
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	106
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	111
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	116
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	121
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	126
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	131
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	136
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	141
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	146
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	151
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	156
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	161
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	166
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	171
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	176
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	181
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	186
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	191
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	196
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	201
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	206
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	211
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	216
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	221
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	226
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	231
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	236
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	241
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	246

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	251
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	256
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	261
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	266
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	271
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	273
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	275
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	277
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	279
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	281
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	283
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	285
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FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	293
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	295
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	297
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	299
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	301
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	303
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	305
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	307
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30	309
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	312
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	317
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	322
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	327
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	332
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	337
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30	342
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FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-2 SCS-30	784
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FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-1 SCS-30	792
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-1 SCS-30	798
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FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-1 SCS-30	810
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FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-1 SCS-30	828
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-1 SCS-30	834
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-1 SCS-30	840
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FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-1 SCS-30	852
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-1 SCS-30	858
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-1 SCS-30	864
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FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-1 SCS-30	930
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-1 SCS-30	936
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-1 SCS-30	942
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-1 SCS-30	948
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-1 SCS-30	954
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-2 SCS-30	960
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-2 SCS-30	966
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-2 SCS-30	972
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-2 SCS-30	978
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FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-2 SCS-30	1014
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-2 SCS-30	1020
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-2 SCS-30	1026

FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-2 SCS-30	1209
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-2 SCS-30	1215
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-2 SCS-30	1221
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-2 SCS-30	1227
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FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-2 SCS-30	1239
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-2 SCS-30	1245
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-2 SCS-30	1251
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-2 SCS-30	1257
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-1 SCS-30	1263

EUT Information

EUT DEFINITION	
Manufacturer	Sagemcom Broadband SAS
Type	Fast 5688W
Serial Number	DM220525900045
Setup Number	1.0
Version SW	SG520TMDAR01A04M4G_BETA_20220524A_01.001.01.001
Version FW	SG520TMDAR01A04M4G_BETA_20220524A_01.001.01.001
Version HW	V1.0
Comment 1	
Comment 2	
Temperature [°C] Min	0
Temperature [°C] Nom	20
Temperature [°C] Max	50
Voltage [V] Min	102
Voltage [V] Nom	120
Voltage [V] Max	138

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	01.07.2022 11:32:58
Ambit Temp [°C] Humidity [rel%]	23.8 43
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True
Frequency mid to test	False
Frequency high to test	False
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 90

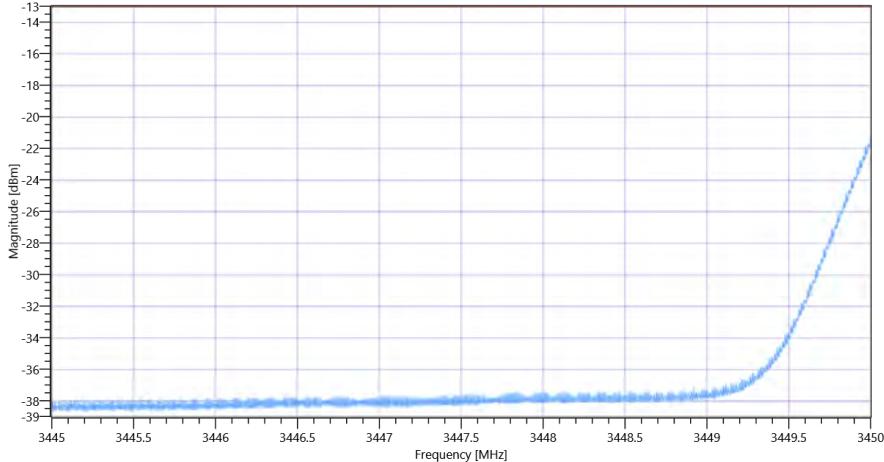
Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.68 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-29.25	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-38.07	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-38.27	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-38.43	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-38.6	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

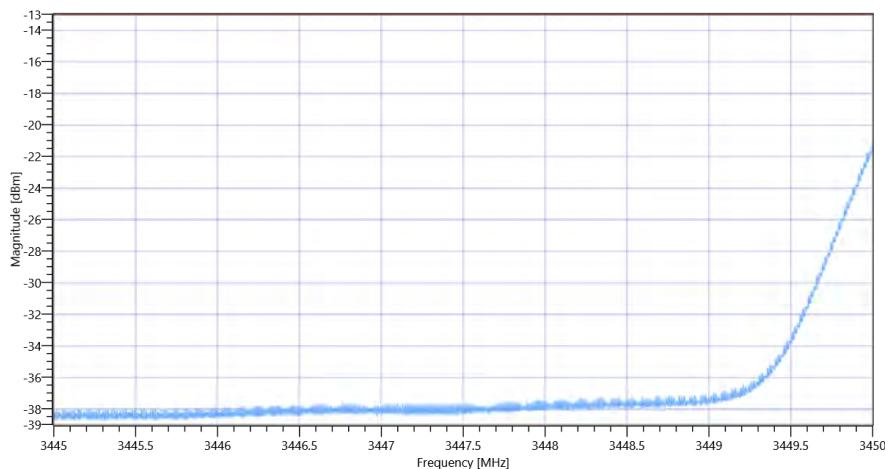
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.97 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3450.5	---	-13	-29.08	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-37.95	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-38.29	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-38.42	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-38.67	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

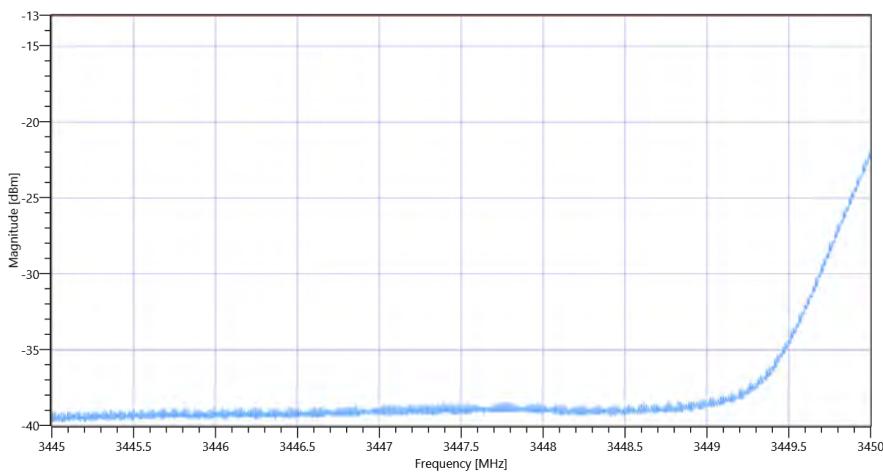
Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.72 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-29.84	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-39.22	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-39.23	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-39.46	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-39.62	dBm	PASS



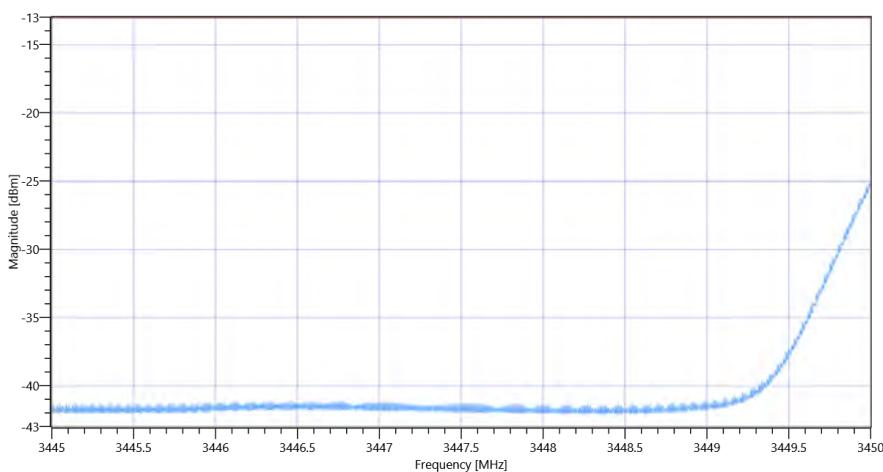
Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.99 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-32.92	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-42.03	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-41.95	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-41.81	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-41.98	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	01.07.2022 02:36:36
Ambit Temp [°C] Humidity [rel%]	24.5 47
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	True
Frequency high to test	False
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 10

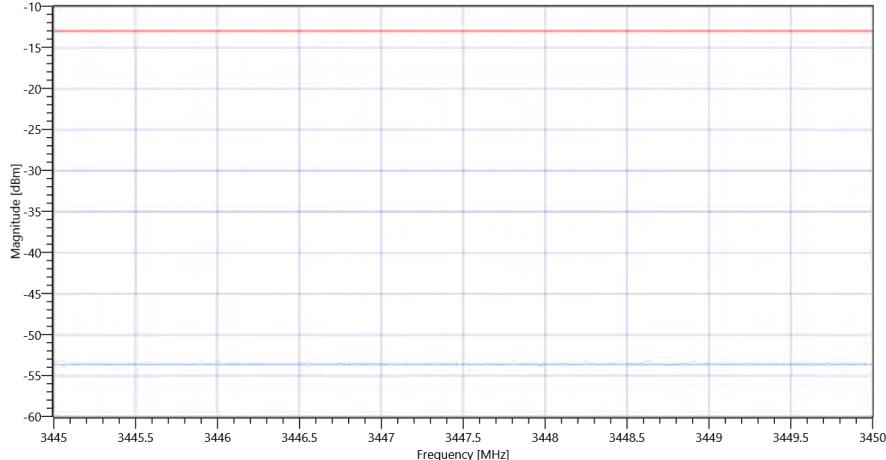
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.02 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-43.88	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-43.88	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-43.89	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-43.88	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-43.9	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

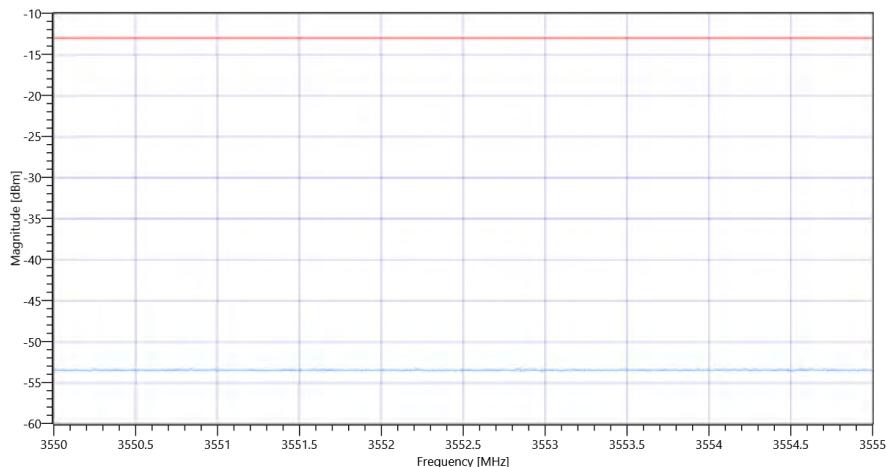
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.02 0 35
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-43.72	dBm	PASS

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3551.5	---	-13	-43.73	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-43.72	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-43.72	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-43.71	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

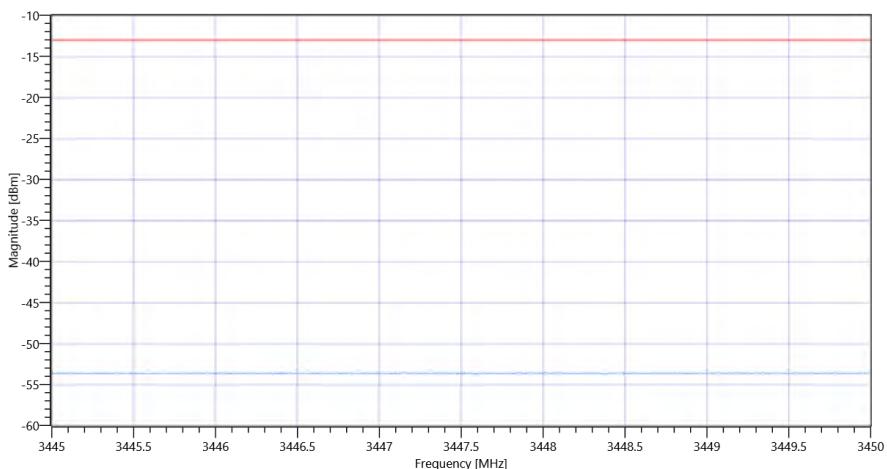
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.16 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-43.87	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-43.88	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-43.89	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-43.89	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-43.89	dBm	PASS



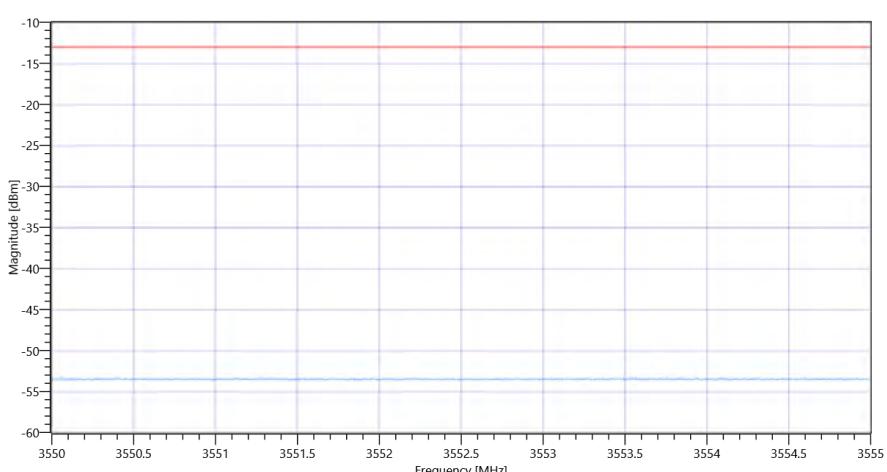
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.16 0 35
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-43.73	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-43.73	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-43.73	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-43.71	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-43.72	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

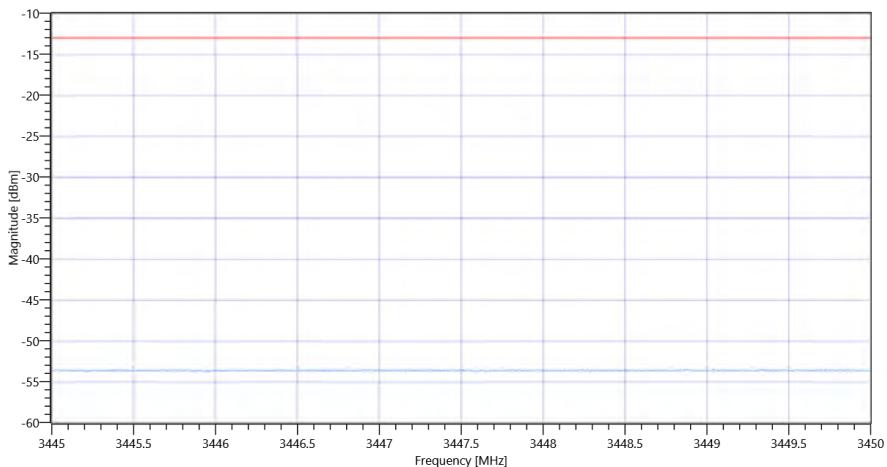
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.51 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-43.87	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-43.88	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-43.89	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-43.89	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-43.89	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

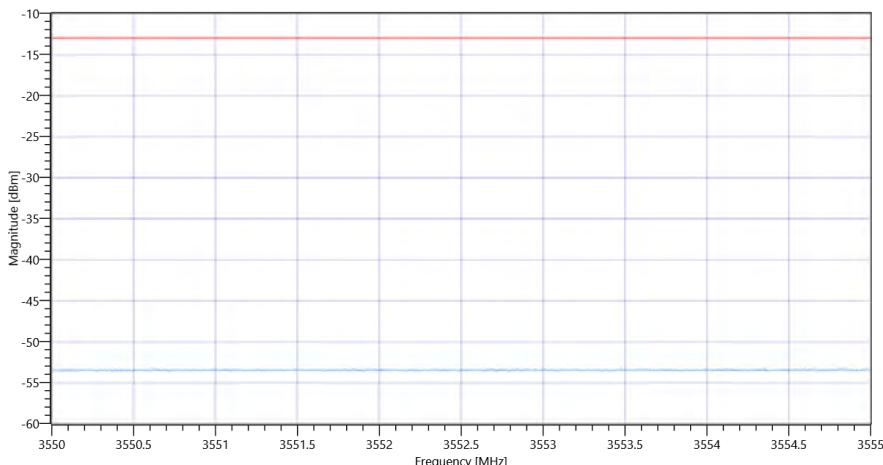
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.51 0 35
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-43.73	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-43.72	dBm	PASS

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3552.5	---	-13	-43.72	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-43.72	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-43.71	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

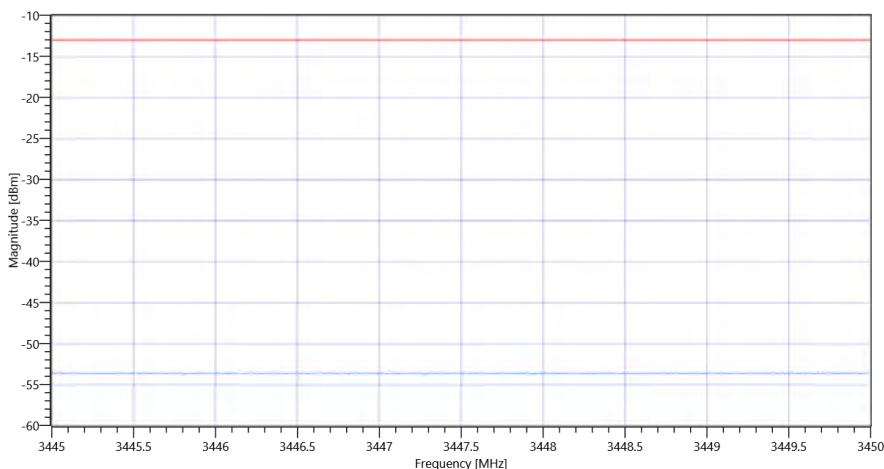
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.23 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-43.88	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-43.89	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-43.9	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-43.88	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-43.89	dBm	PASS



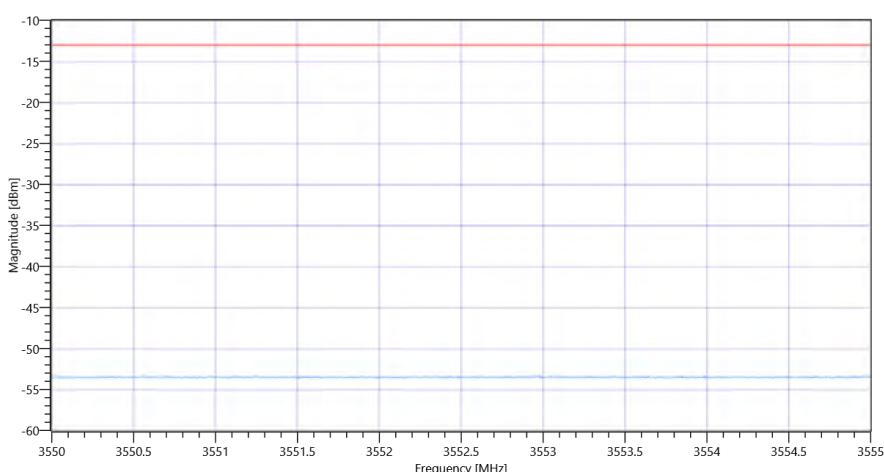
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.23 0 35
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-43.72	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-43.73	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-43.72	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-43.72	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-43.73	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	01.07.2022 02:08:19
Ambit Temp [°C] Humidity [rel%]	24.6 47
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	True
Frequency high to test	False
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 20

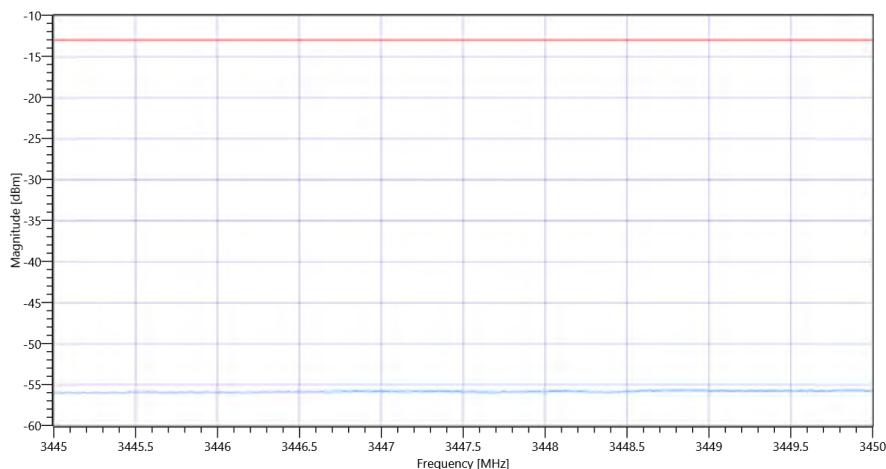
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 20, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.42 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-49.03	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-49.07	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-49.12	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-49.15	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-49.23	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

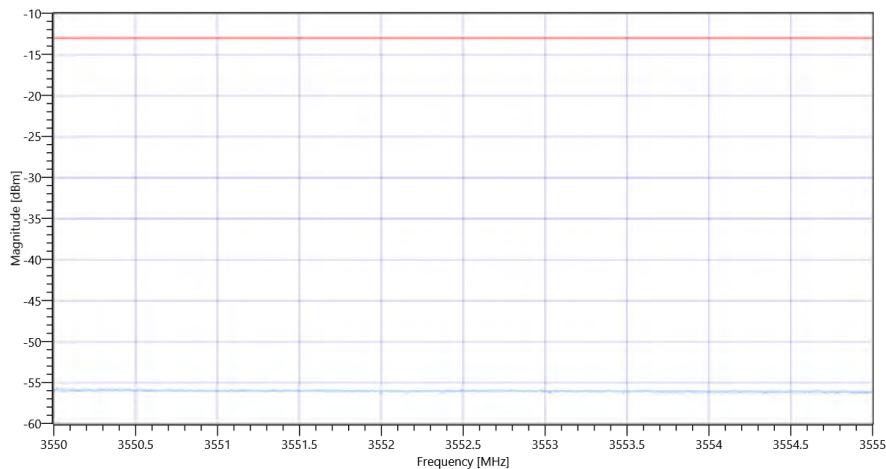
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.42 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-49.21	dBm	PASS

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3551.5	---	-13	-49.27	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-49.3	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-49.33	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-49.38	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

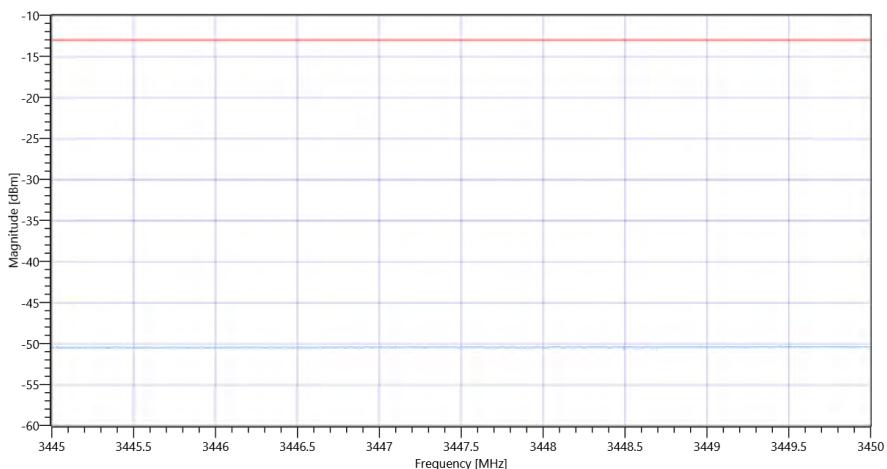
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 20, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.46 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-43.65	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-43.68	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-43.7	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-43.72	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-43.74	dBm	PASS



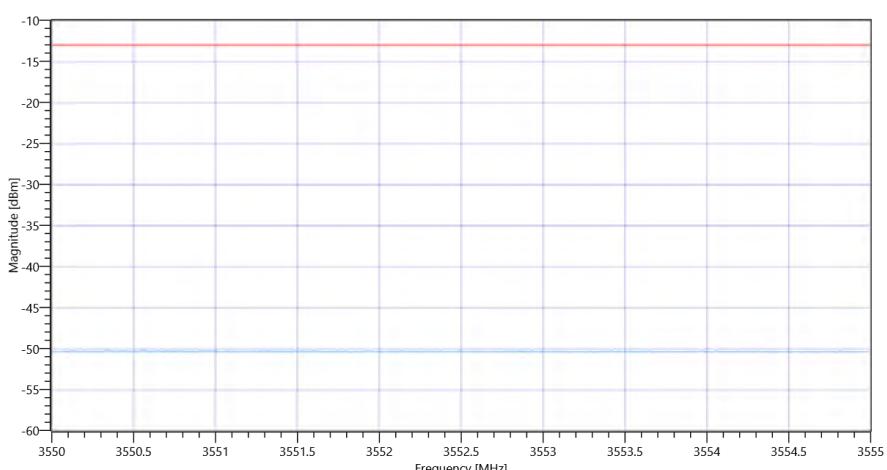
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.46 0 35
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-43.59	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-43.6	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-43.61	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-43.62	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-43.63	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

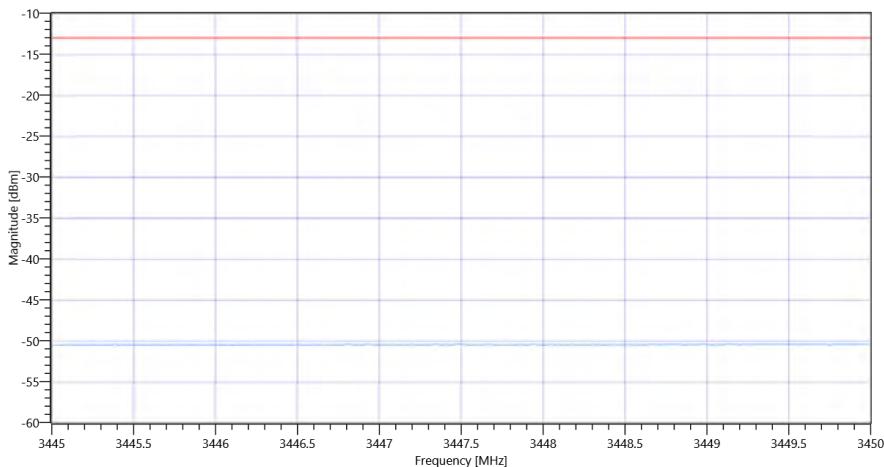
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 20, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.12 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-43.68	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-43.72	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-43.73	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-43.75	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-43.75	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

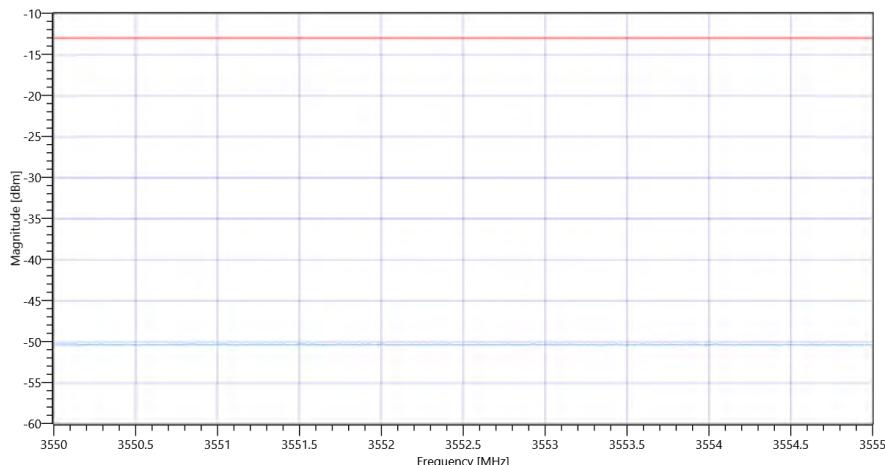
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.12 0 35
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-43.61	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-43.61	dBm	PASS

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3552.5	---	-13	-43.61	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-43.62	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-43.64	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

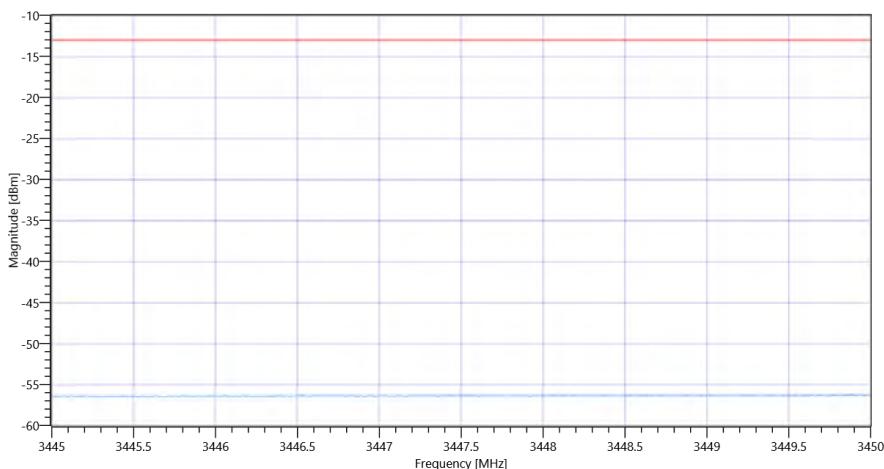
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 20, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.86 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-49.56	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-49.59	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-49.62	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-49.64	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-49.66	dBm	PASS



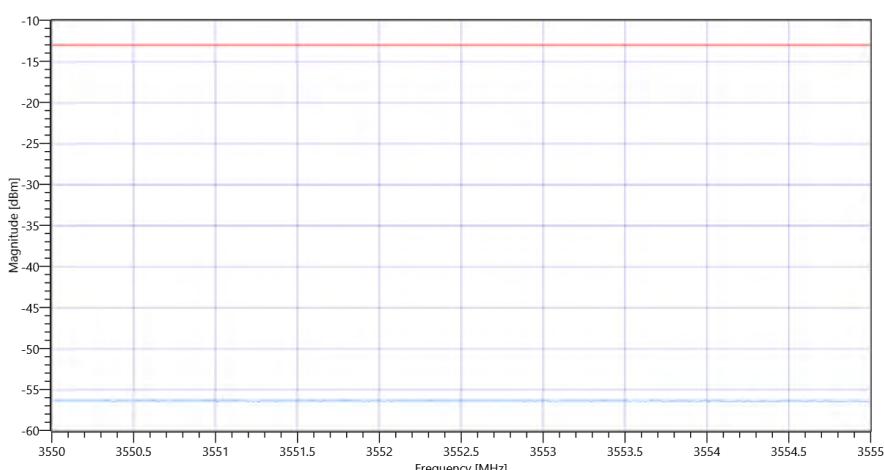
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.86 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-49.6	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-49.61	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-49.61	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-49.63	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-49.64	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	01.07.2022 01:41:10
Ambit Temp [°C] Humidity [rel%]	24.6 46
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	True
Frequency high to test	False
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 30

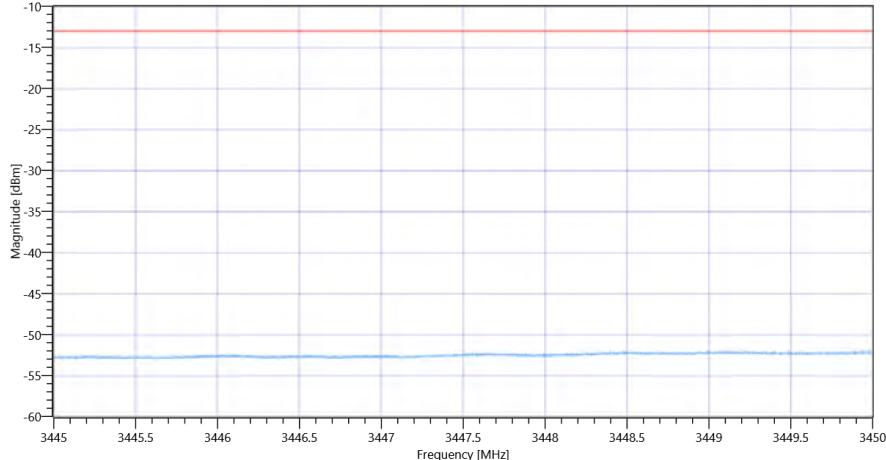
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 30, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.02 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-47.28	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-47.36	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-47.58	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-47.73	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-47.79	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

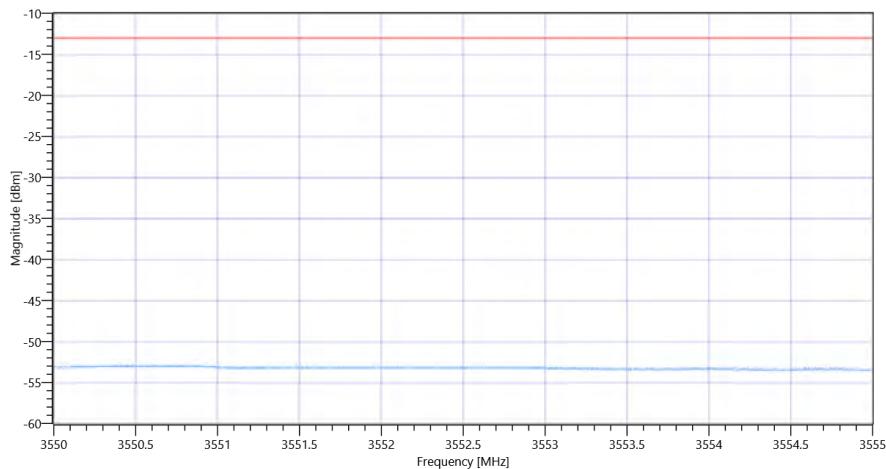
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.02 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-48.06	dBm	PASS

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3551.5	---	-13	-48.2	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-48.2	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-48.36	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-48.42	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

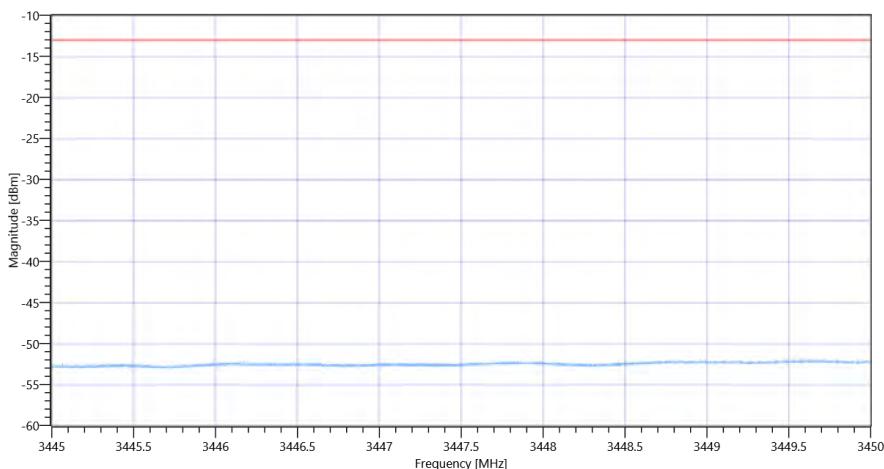
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 30, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.16 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-47.28	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-47.47	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-47.55	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-47.6	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-47.79	dBm	PASS



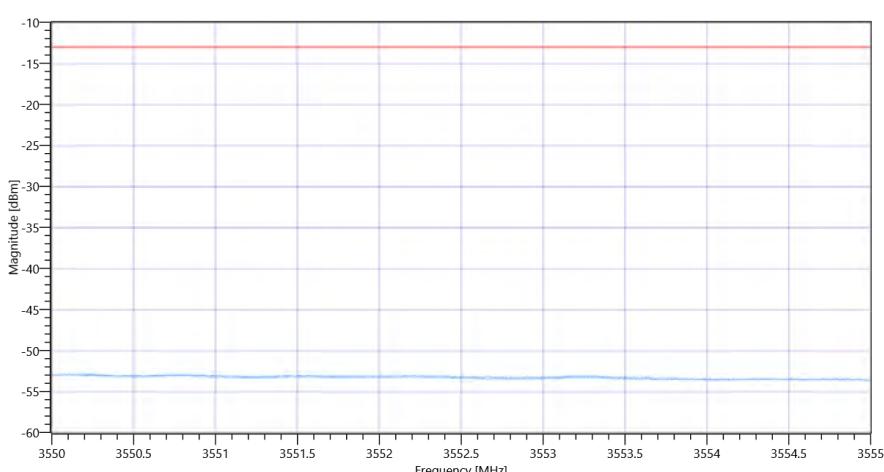
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.16 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-48.08	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-48.21	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-48.29	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-48.38	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-48.54	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

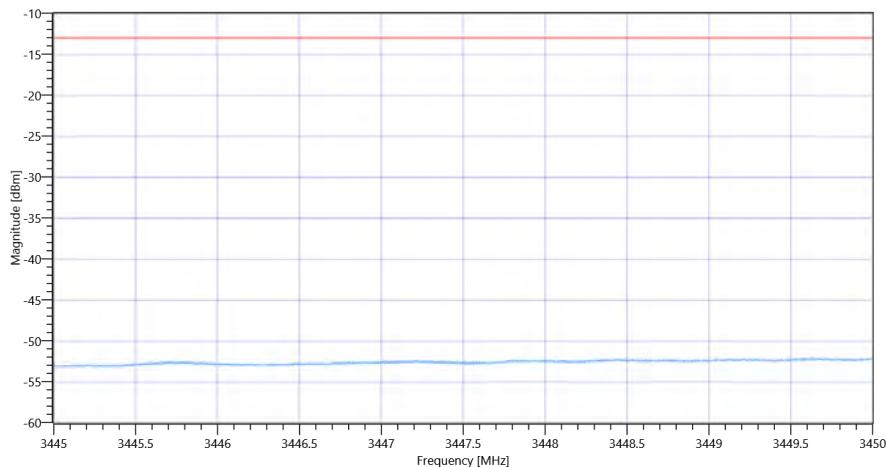
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 30, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.82 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-47.34	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-47.47	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-47.63	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-47.85	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-47.93	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

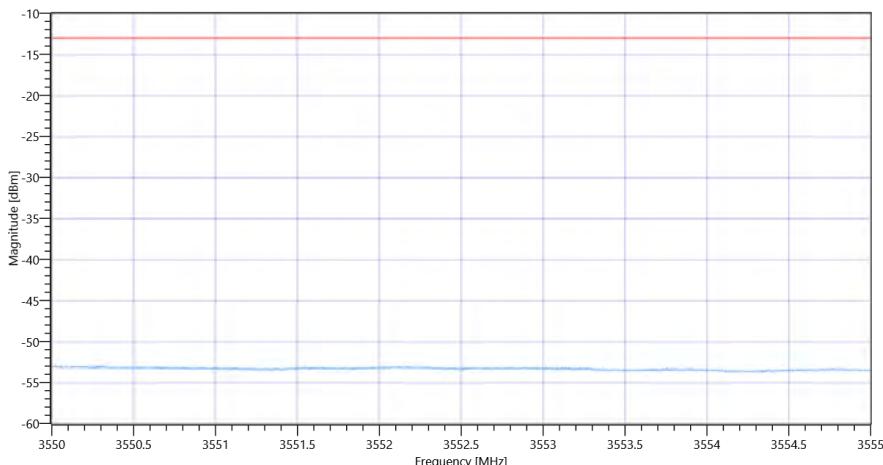
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.82 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-48.21	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-48.33	dBm	PASS

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3552.5	---	-13	-48.27	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-48.44	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-48.54	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

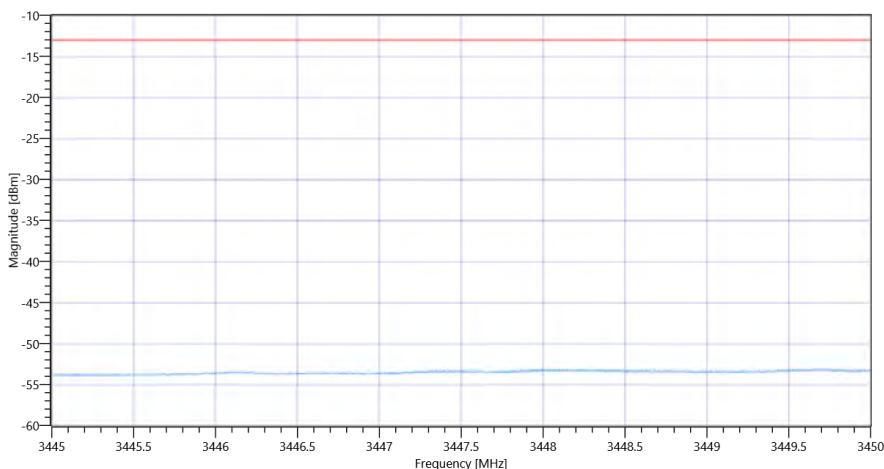
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 30, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.76 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

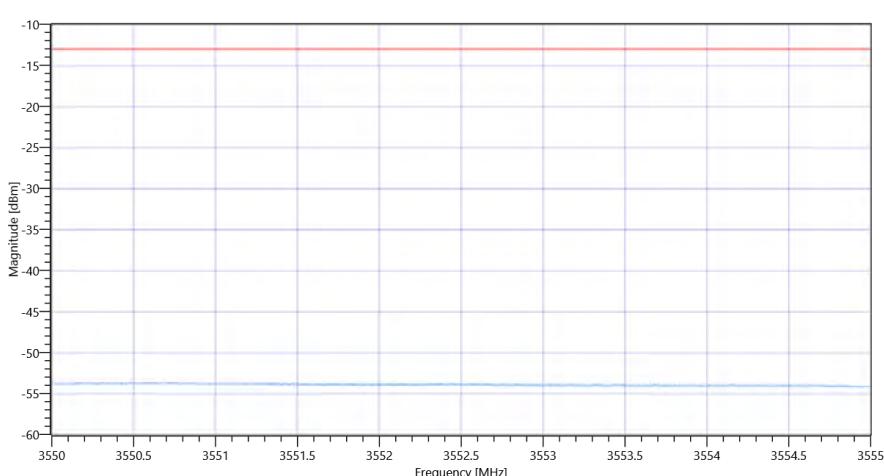
Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-48.37	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-48.37	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-48.47	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-48.66	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-48.82	dBm	PASS


READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.76 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-48.79	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-48.89	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-48.94	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-49.03	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-49.07	dBm	PASS



General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	01.07.2022 01:14:02
Ambit Temp [°C] Humidity [rel%]	24.7 46
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	True
Frequency high to test	False
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 40

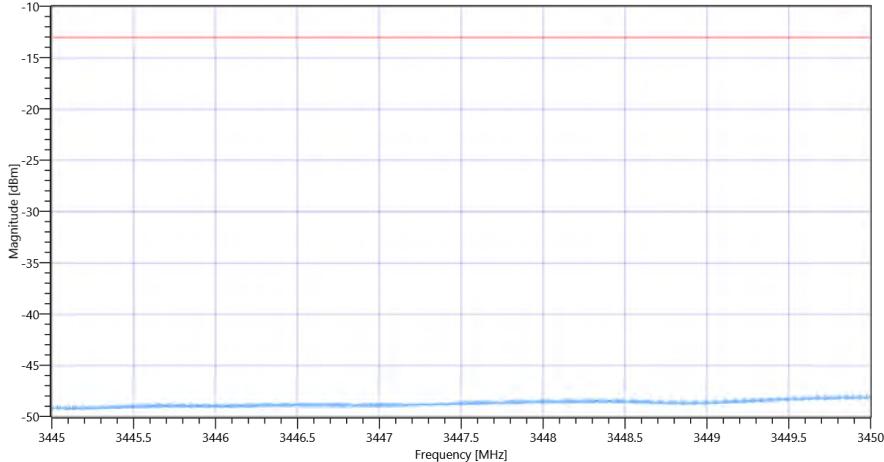
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.84 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-45.58	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-45.82	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-45.98	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-46.15	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-46.29	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

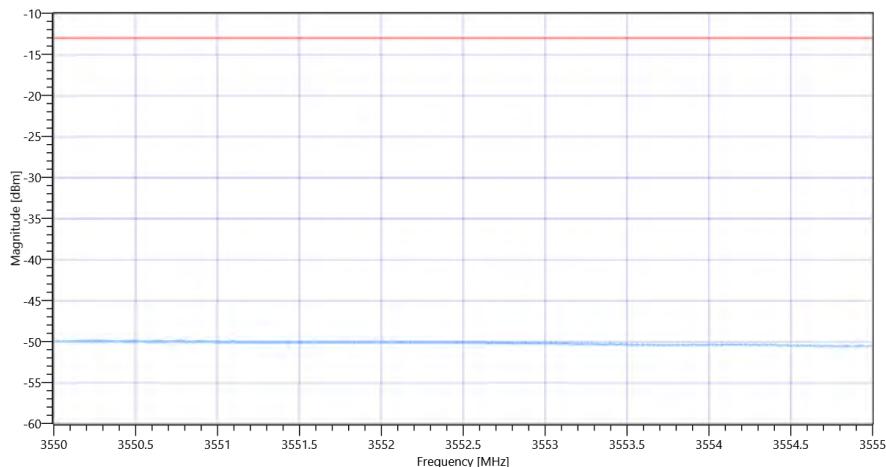
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.84 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-47.21	dBm	PASS

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3551.5	---	-13	-47.29	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-47.36	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-47.58	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-47.71	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

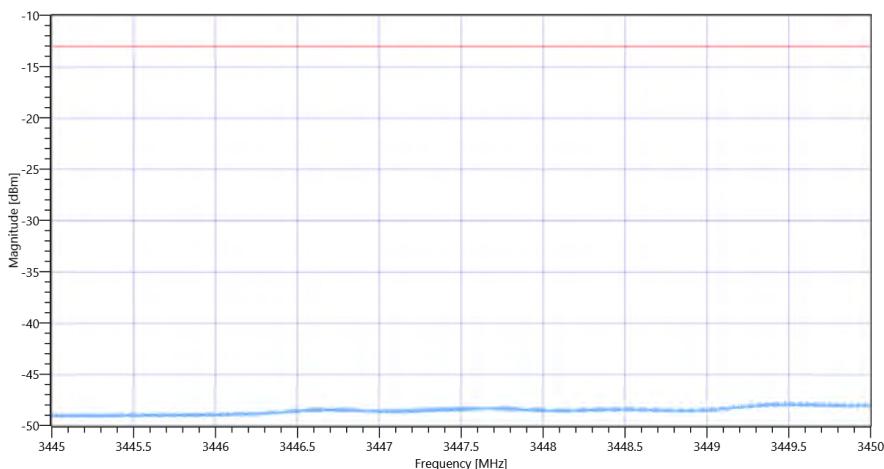
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.39 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

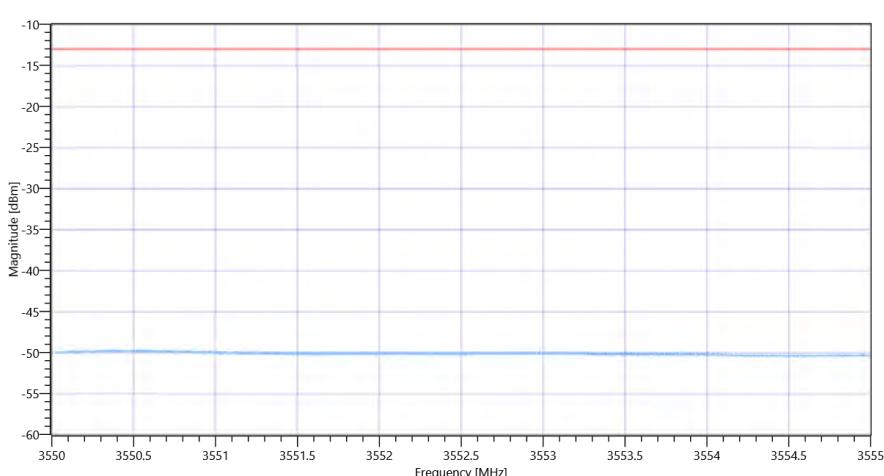
Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-45.33	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-45.75	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-45.71	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-45.91	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-46.25	dBm	PASS


READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.39 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-47.11	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-47.34	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-47.35	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-47.41	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-47.59	dBm	PASS



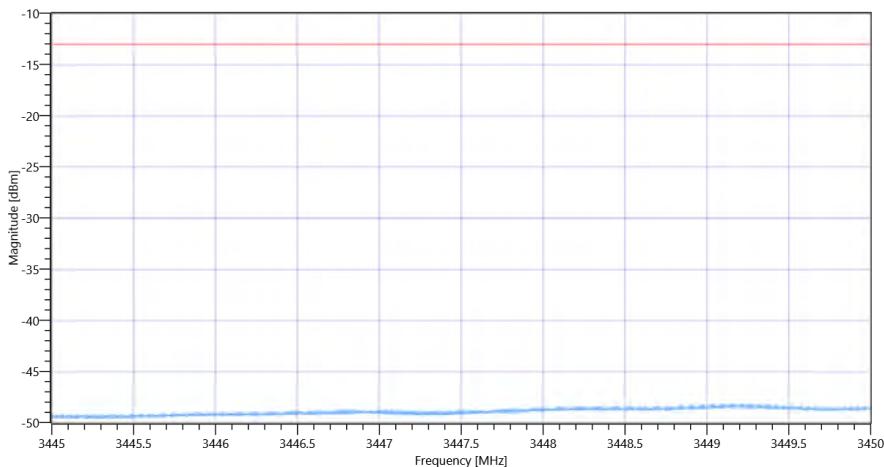
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.42 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-45.79	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-45.88	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-46.22	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-46.32	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-46.59	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

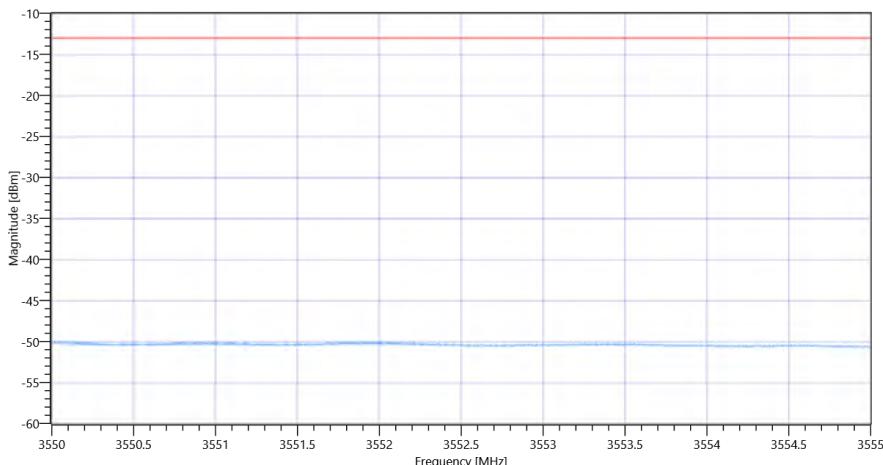
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.42 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-47.53	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-47.54	dBm	PASS

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3552.5	---	-13	-47.63	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-47.64	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-47.81	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

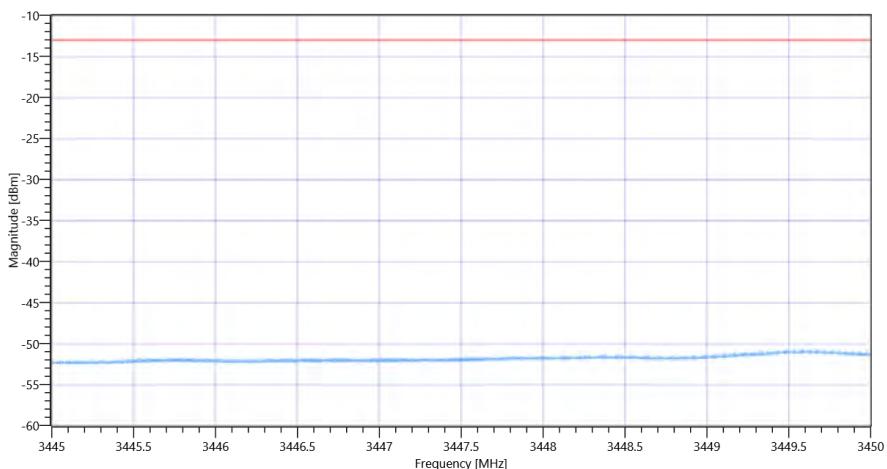
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.56 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

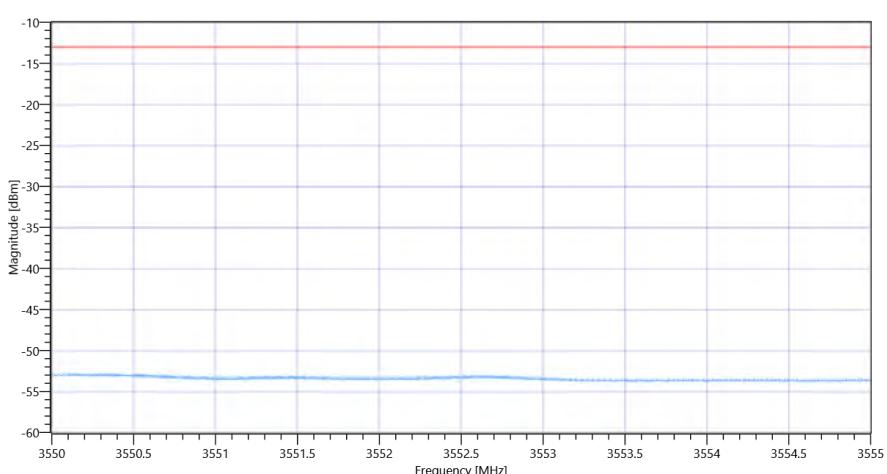
Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-48.49	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-48.99	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-49.19	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-49.35	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-49.43	dBm	PASS


READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.56 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-50.36	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-50.62	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-50.59	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-50.88	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-50.9	dBm	PASS



General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	01.07.2022 00:46:55
Ambit Temp [°C] Humidity [rel%]	24.8 46
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	True
Frequency high to test	False
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 50

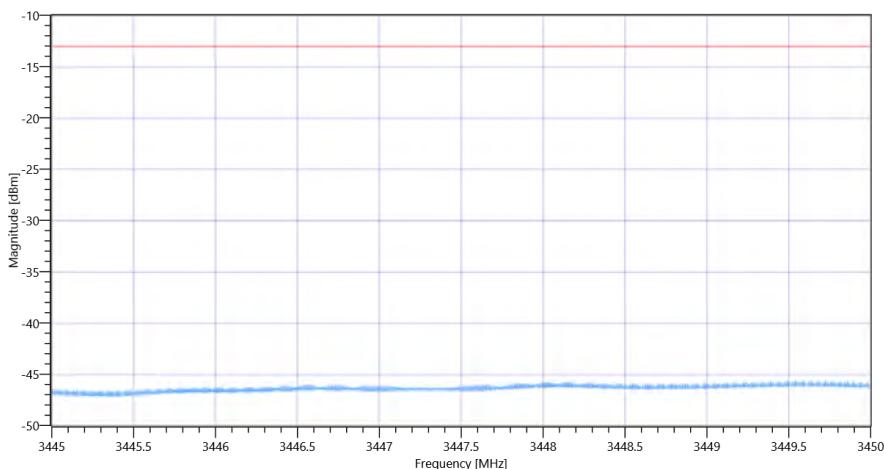
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.00 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-43.32	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-43.45	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-43.62	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-43.72	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-44.02	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

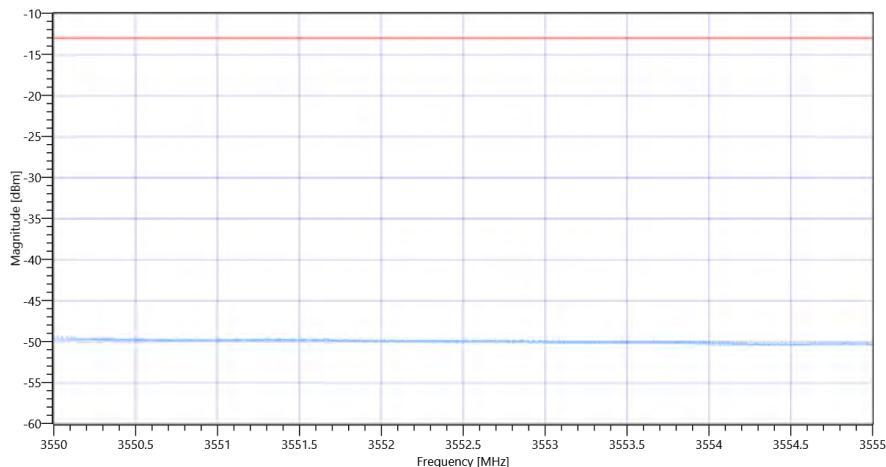
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.00 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-47.01	dBm	PASS

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3551.5	---	-13	-47.08	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-47.2	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-47.32	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-47.54	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

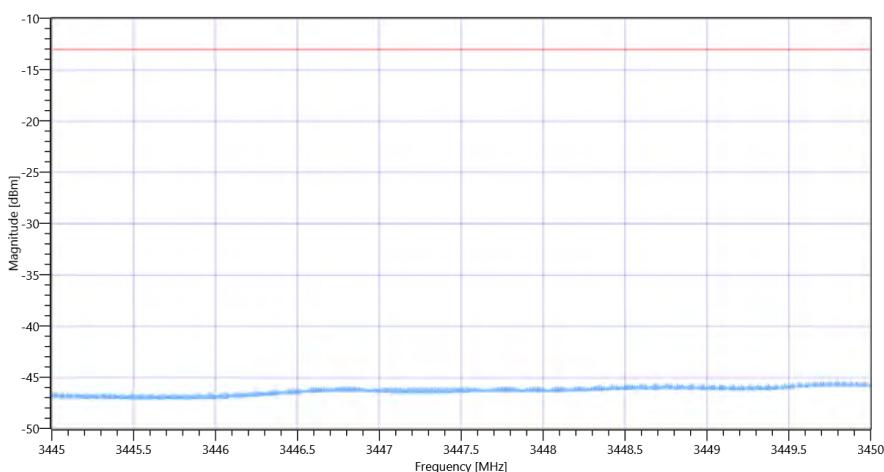
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.29 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-43.16	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-43.34	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-43.57	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-43.72	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-44.14	dBm	PASS



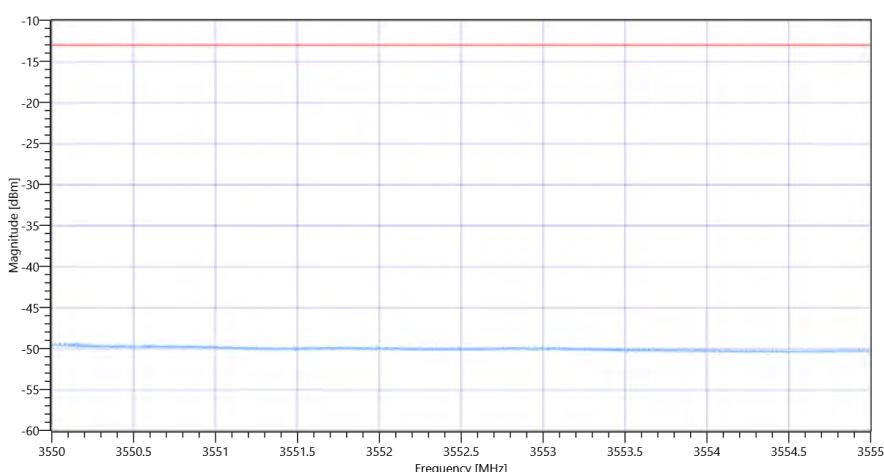
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.29 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-46.96	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-47.21	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-47.26	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-47.4	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-47.55	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

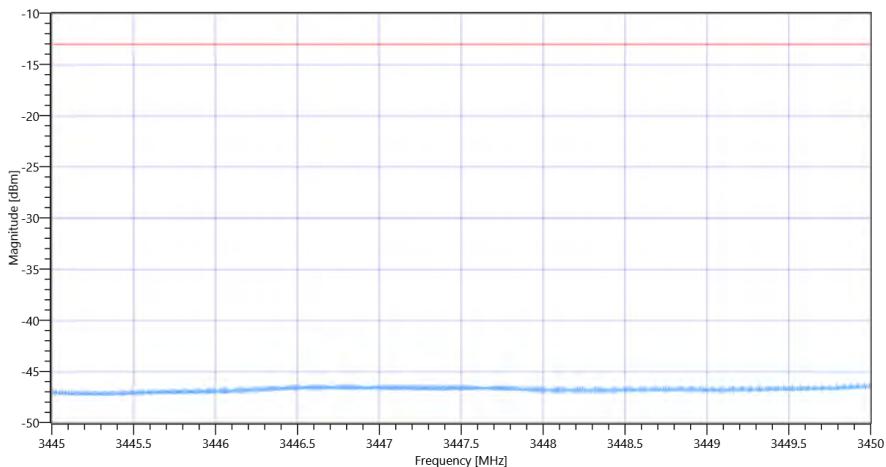
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.08 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-43.93	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-44.05	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-43.9	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-43.91	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-44.31	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

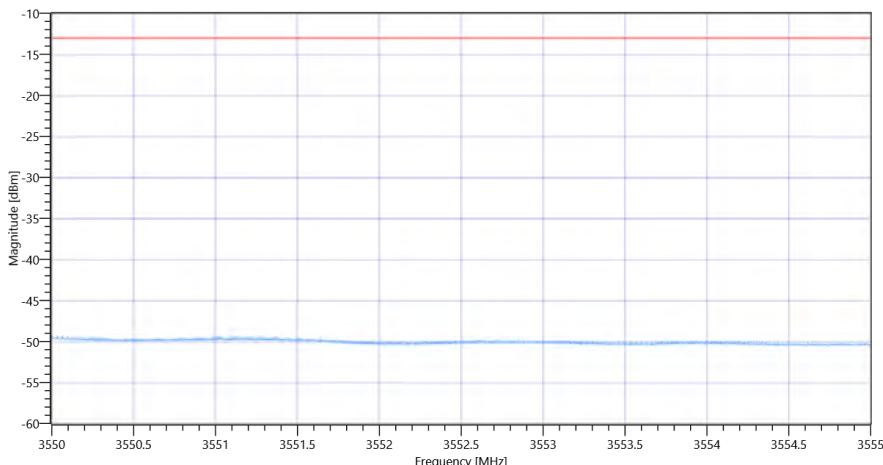
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.08 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-46.98	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-47.09	dBm	PASS

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3552.5	---	-13	-47.35	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-47.44	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-47.54	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

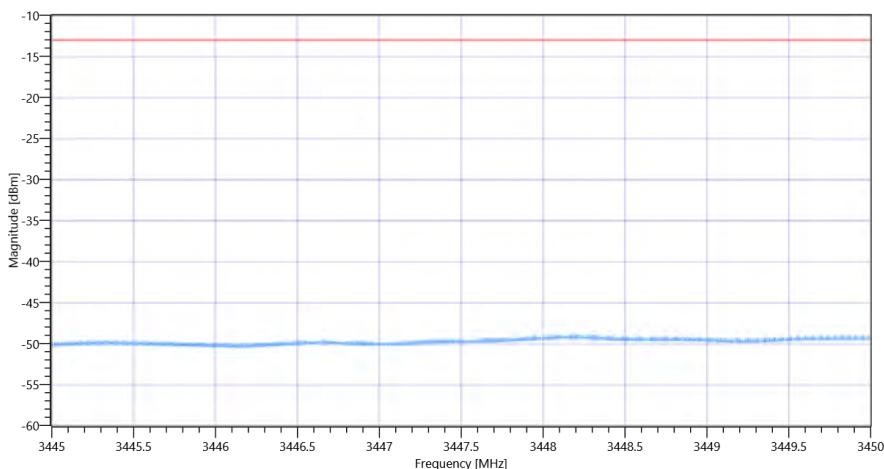
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.98 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-46.74	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-46.64	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-46.97	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-47.3	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-47.27	dBm	PASS



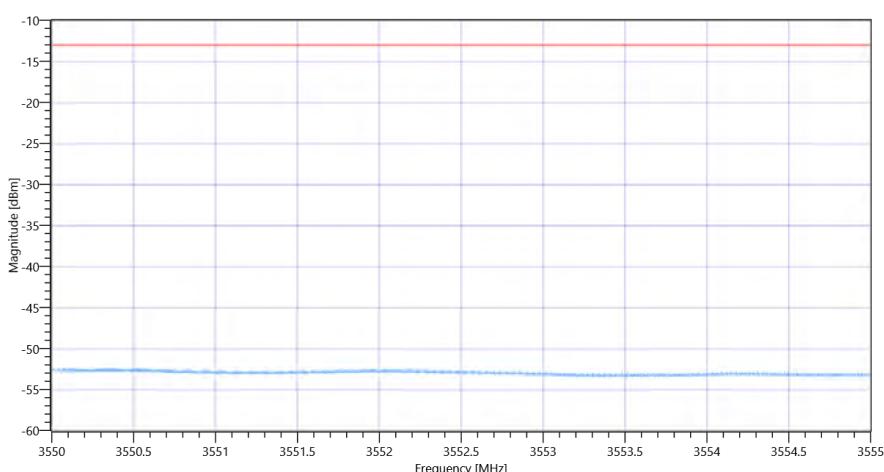
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.98 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-49.97	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-50.13	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-50.16	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-50.48	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-50.42	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	01.07.2022 00:19:23
Ambit Temp [°C] Humidity [rel%]	24.9 46
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	True
Frequency high to test	False
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 60

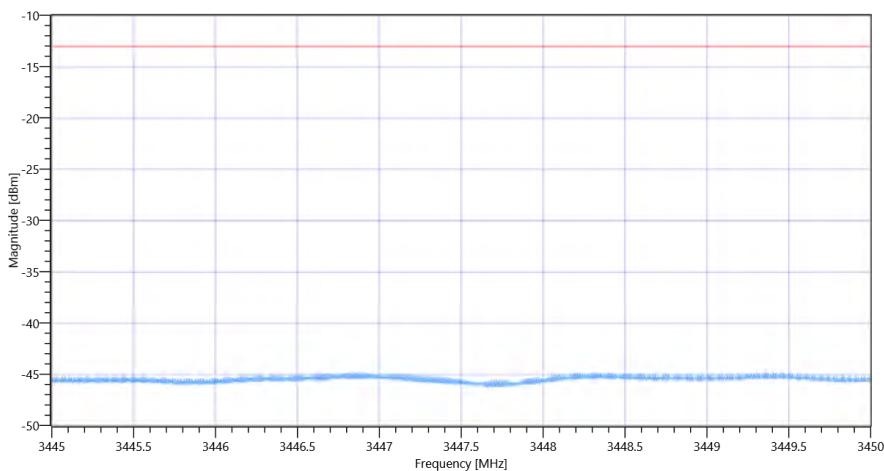
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.54 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-42.62	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-42.59	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-42.93	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-42.64	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-42.88	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

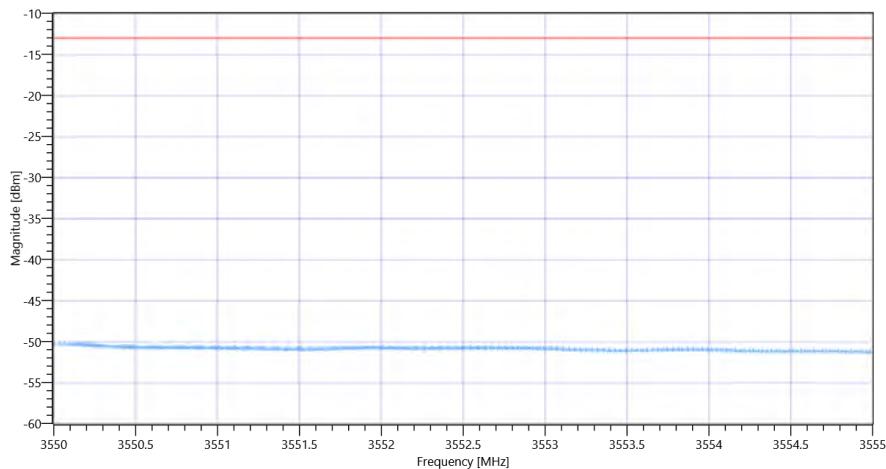
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.54 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-47.84	dBm	PASS

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3551.5	---	-13	-48.09	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-48.04	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-48.27	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-48.42	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

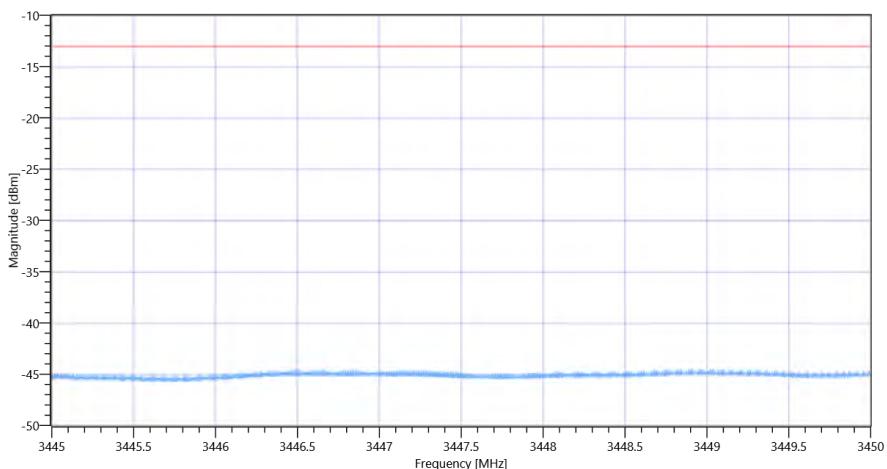
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.65 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-42.27	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-42.26	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-42.37	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-42.27	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-42.64	dBm	PASS



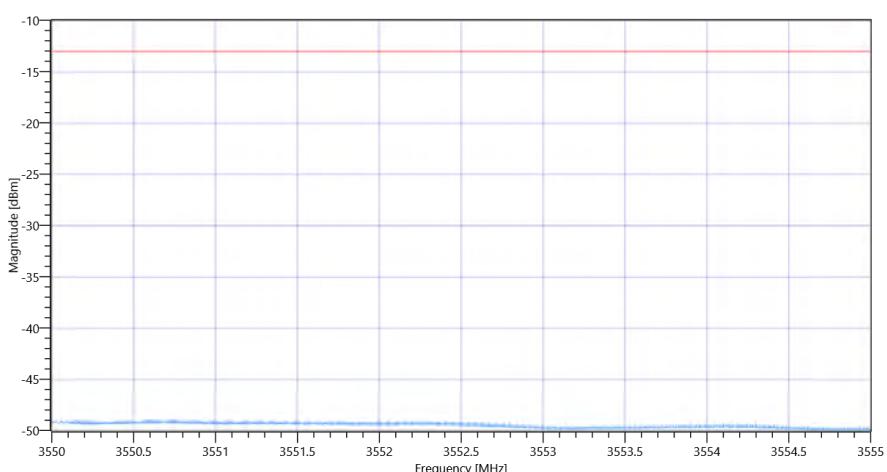
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.65 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-46.46	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-46.53	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-46.68	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-46.96	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-46.98	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

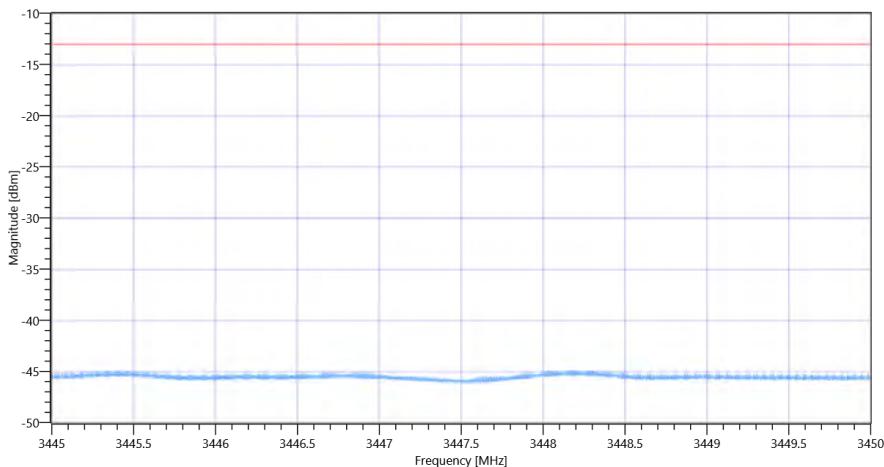
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.05 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-42.85	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-42.67	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-42.97	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-42.76	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-42.69	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

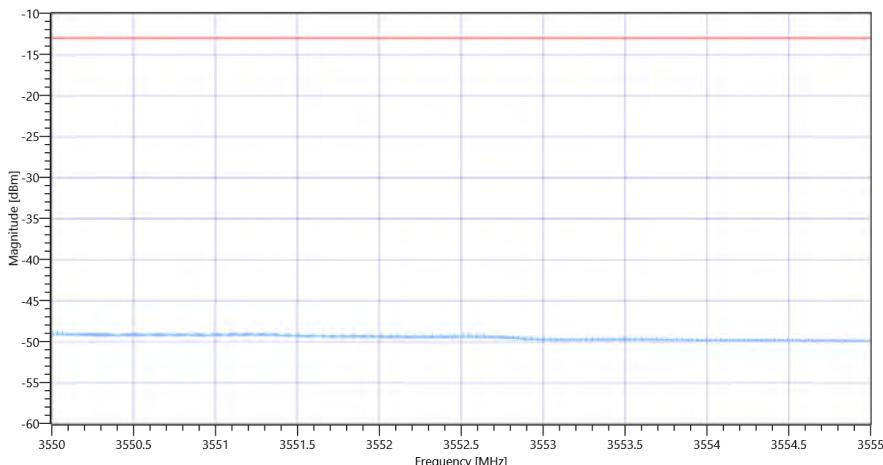
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.05 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-46.44	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-46.53	dBm	PASS

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3552.5	---	-13	-46.69	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-47	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-47.09	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

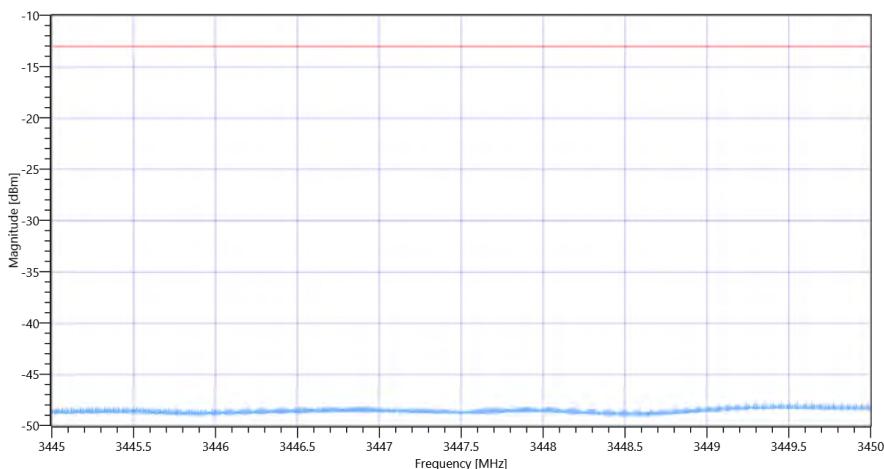
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.89 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

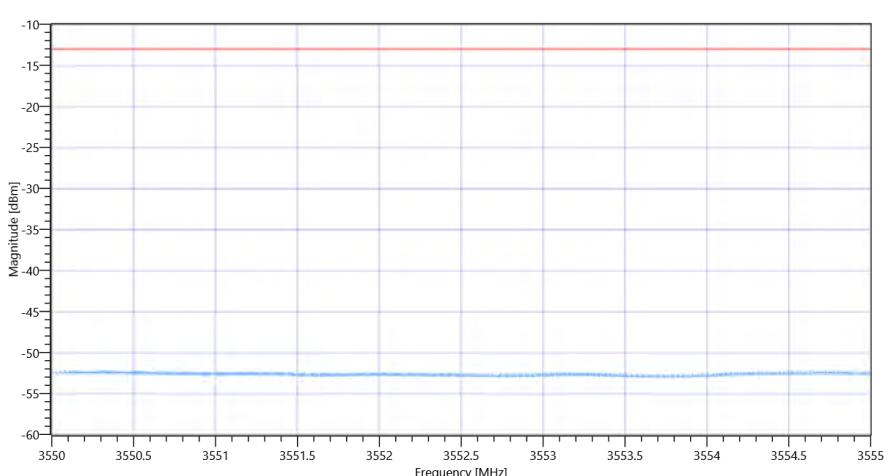
Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-45.5	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-45.95	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-45.84	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-45.83	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-45.91	dBm	PASS


READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.89 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-49.73	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-49.91	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-50.01	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-50.05	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-49.81	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 23:51:53
Ambit Temp [°C] Humidity [rel%]	25.1 45
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	True
Frequency high to test	False
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 70

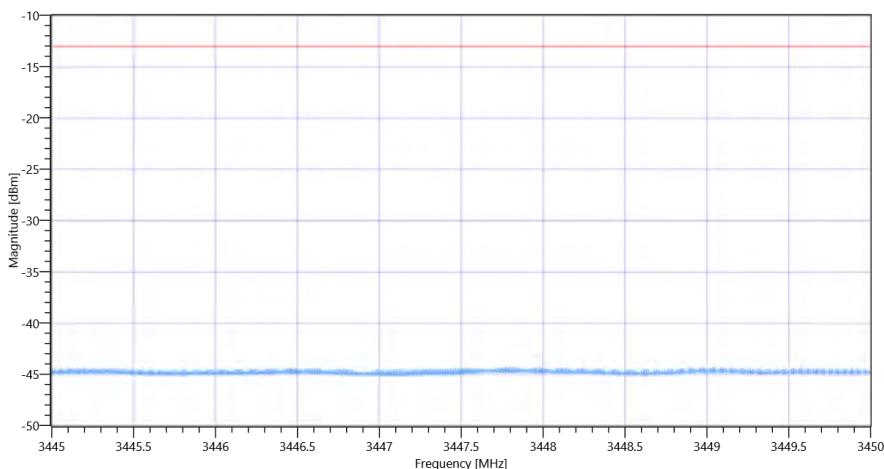
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.07 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-42.02	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-42.04	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-42.02	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-42.07	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-42.06	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

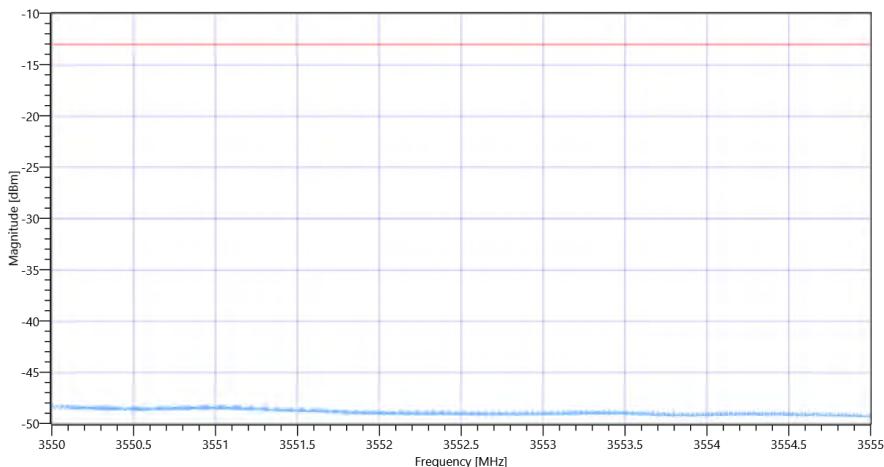
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.07 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-45.74	dBm	PASS

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3551.5	---	-13	-45.95	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-46.27	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-46.29	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-46.38	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

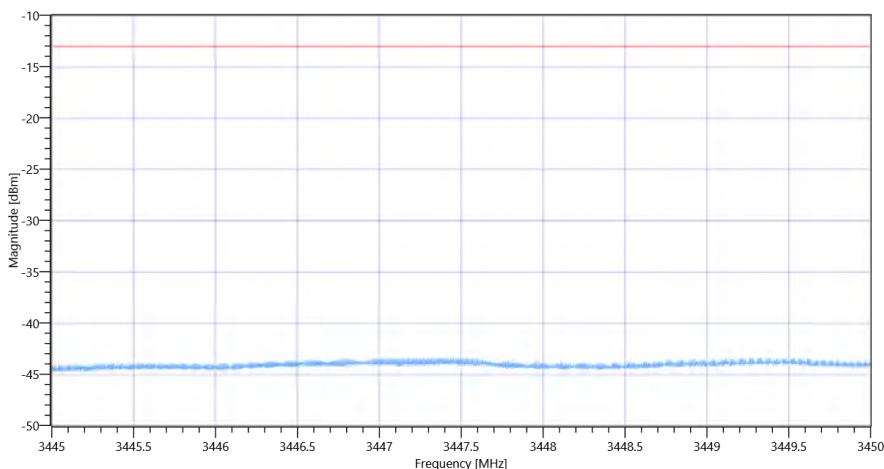
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.88 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

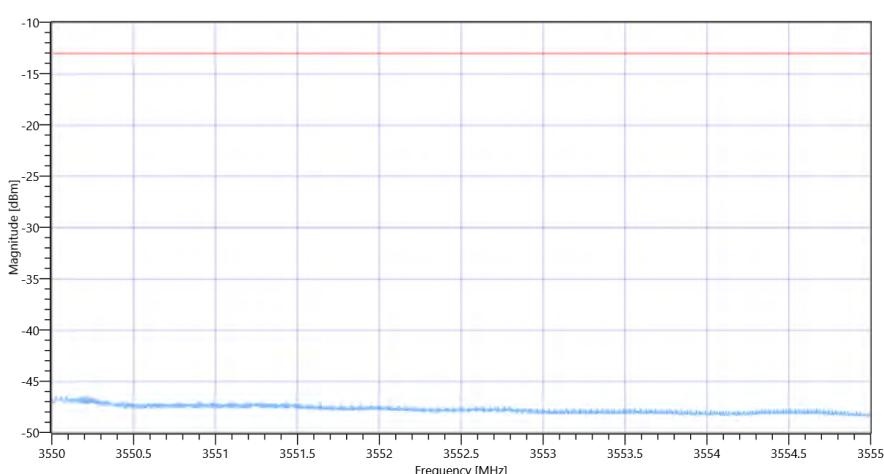
Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-41.17	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-41.41	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-41.19	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-41.29	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-41.58	dBm	PASS


READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.88 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-44.44	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-44.73	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-45.03	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-45.27	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-45.35	dBm	PASS



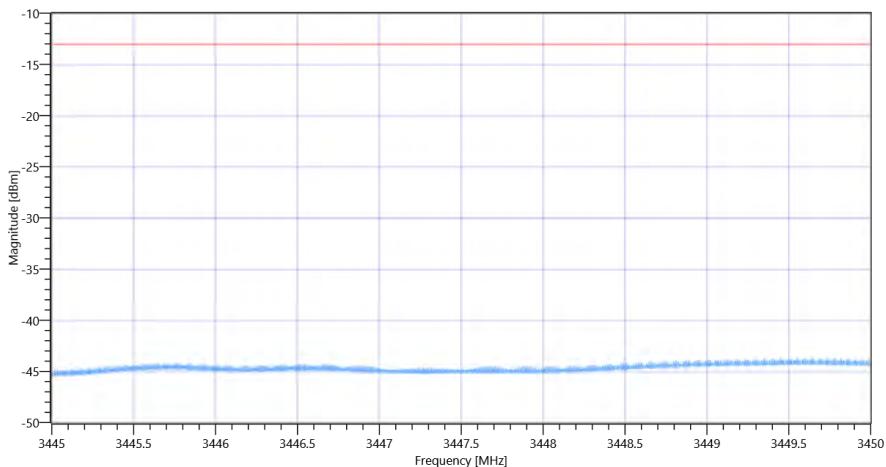
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.94 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-41.42	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-41.85	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-42.2	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-42.01	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-42.05	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

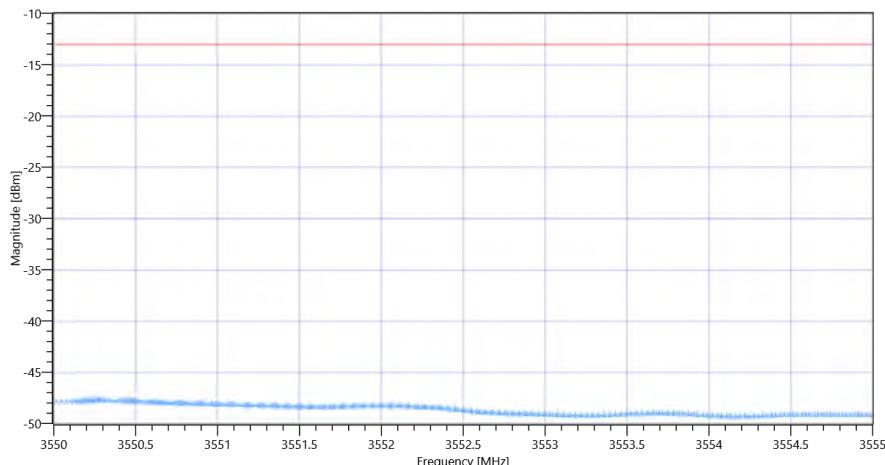
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.94 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-45.16	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-45.54	dBm	PASS

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3552.5	---	-13	-45.96	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-46.41	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-46.48	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

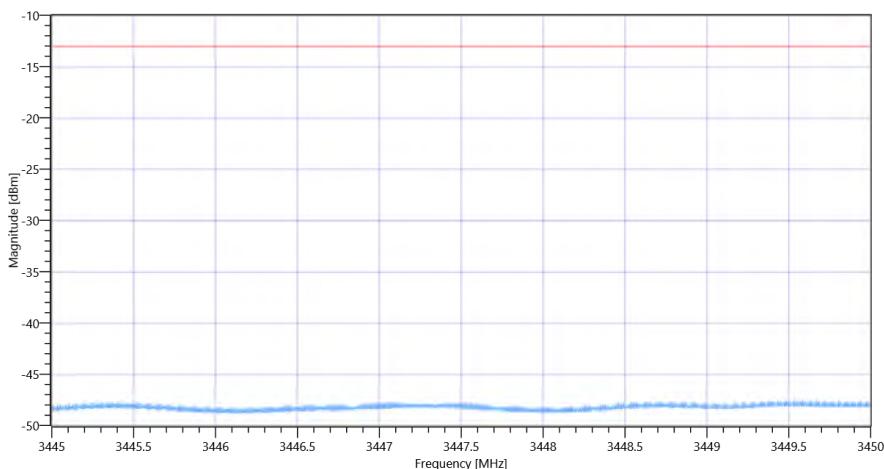
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.98 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-45.25	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-45.47	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-45.46	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-45.64	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-45.49	dBm	PASS



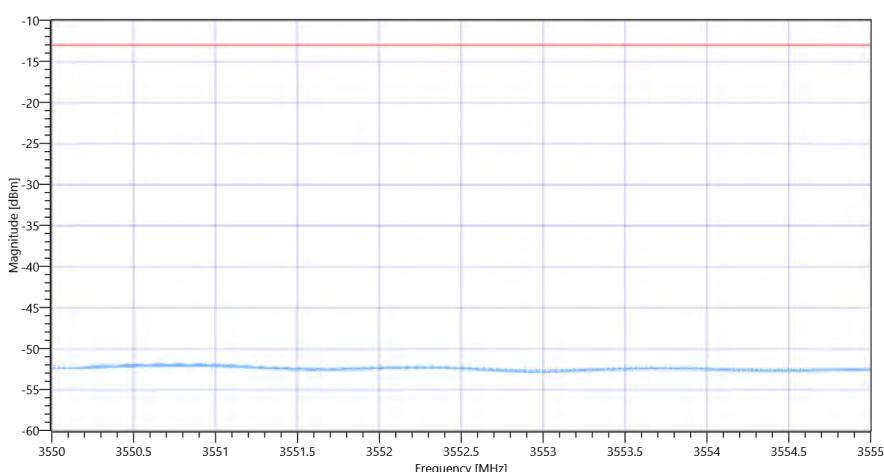
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.98 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-49.41	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-49.63	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-49.74	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-49.78	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-49.87	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 23:24:23
Ambit Temp [°C] Humidity [rel%]	25.2 45
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	True
Frequency high to test	False
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 80

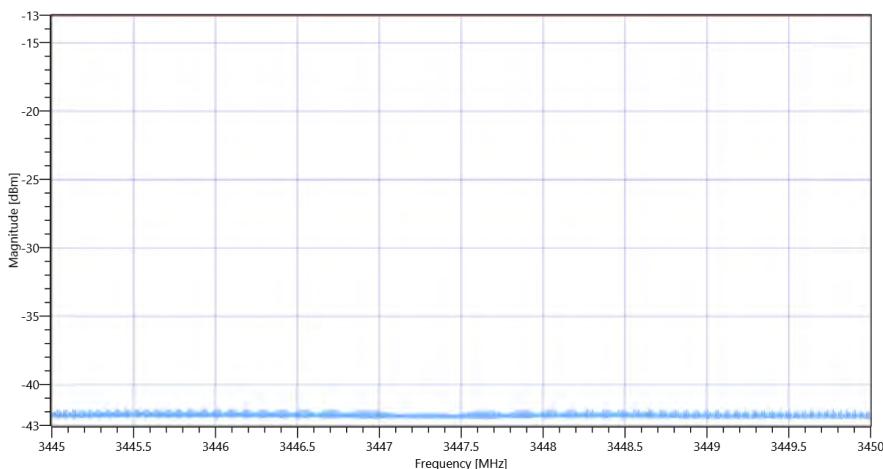
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 80, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.69 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-42.54	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-42.5	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-42.54	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-42.48	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-42.46	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

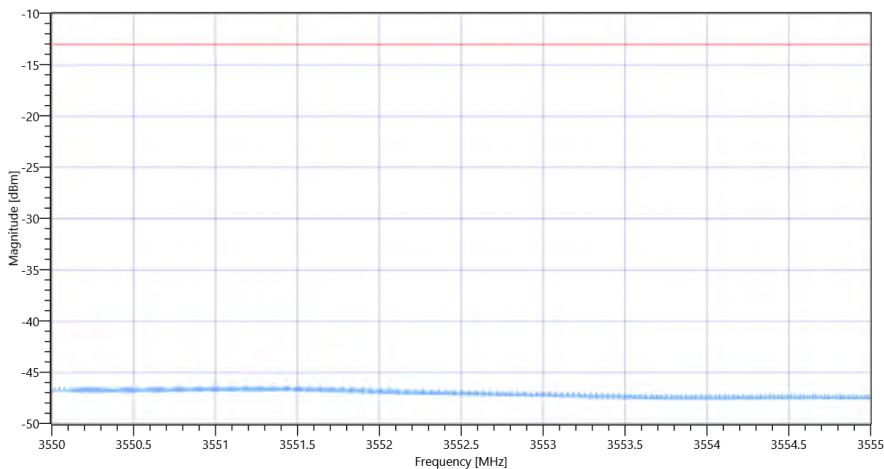
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.69 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-47	dBm	PASS

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3551.5	---	-13	-46.97	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-47.32	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-47.63	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-47.69	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

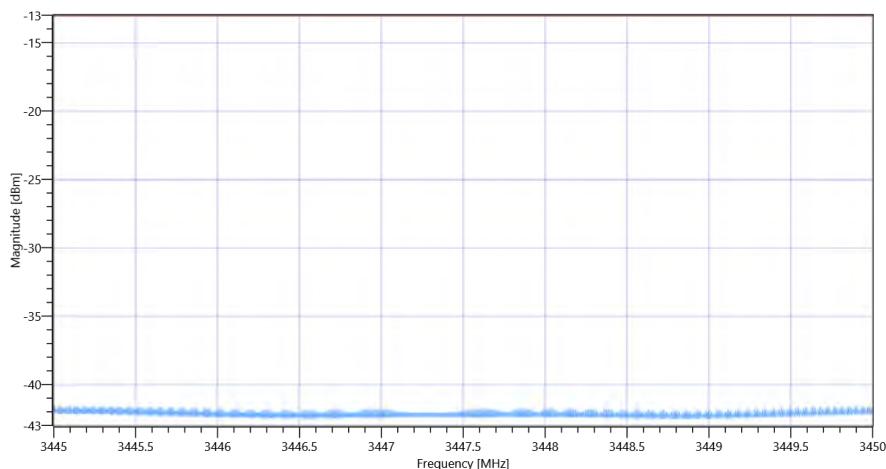
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 80, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.73 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

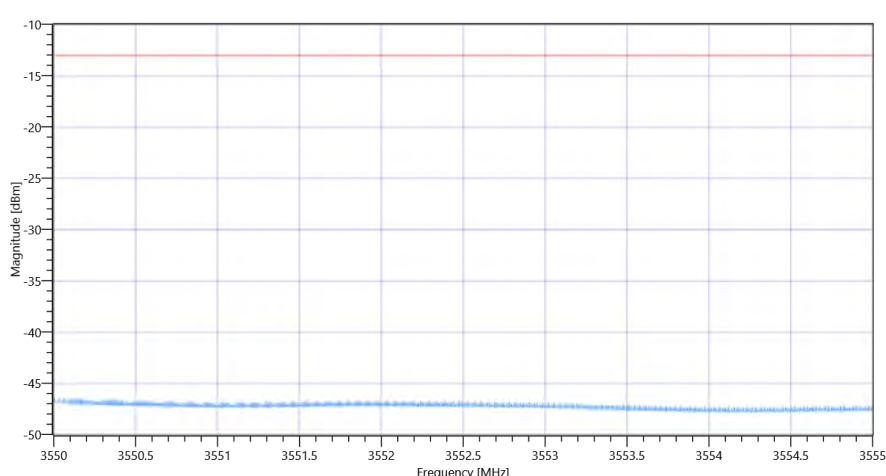
Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-42.37	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-42.49	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-42.43	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-42.47	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-42.26	dBm	PASS


READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.73 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-47.25	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-47.37	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-47.38	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-47.69	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-47.86	dBm	PASS



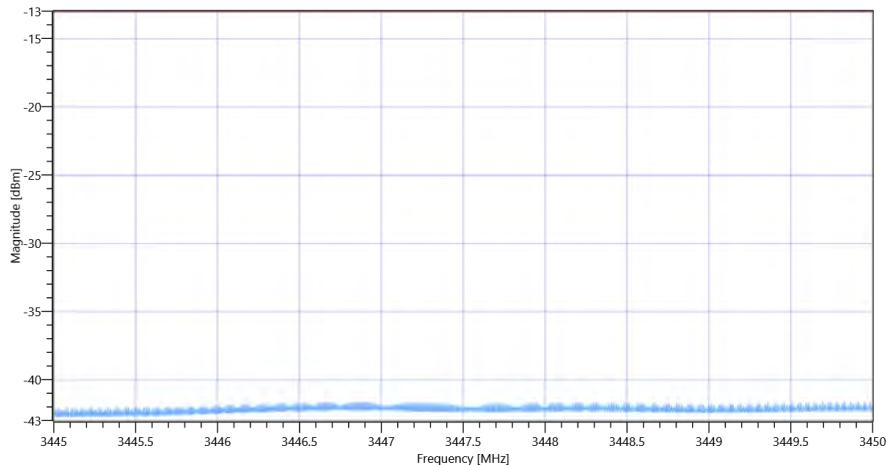
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 80, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.73 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-42.39	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-42.39	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-42.37	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-42.35	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-42.67	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

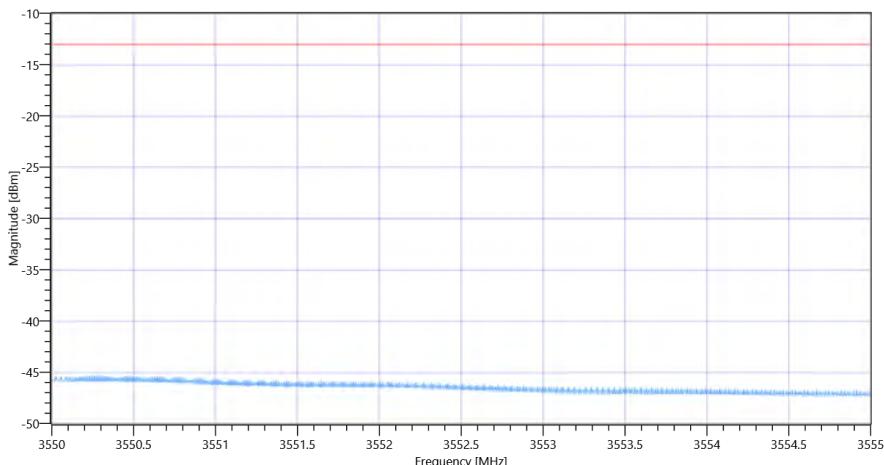
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.73 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-46.03	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-46.45	dBm	PASS

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3552.5	---	-13	-46.77	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-47.13	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-47.31	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

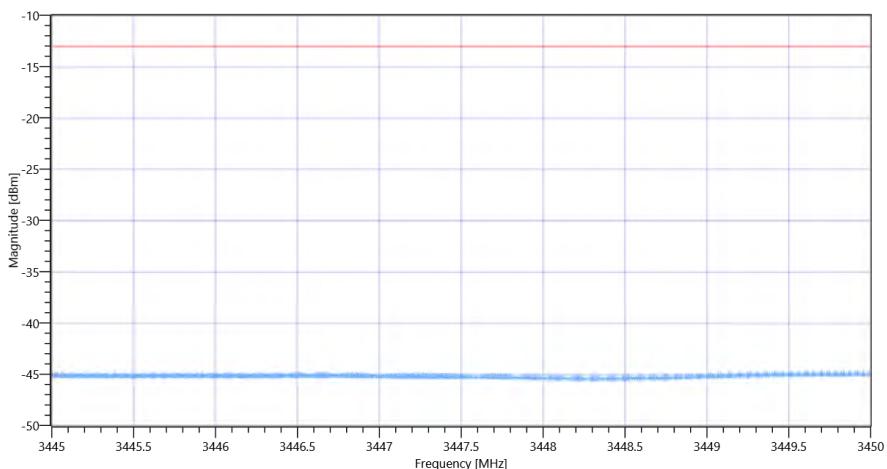
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 80, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.50 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

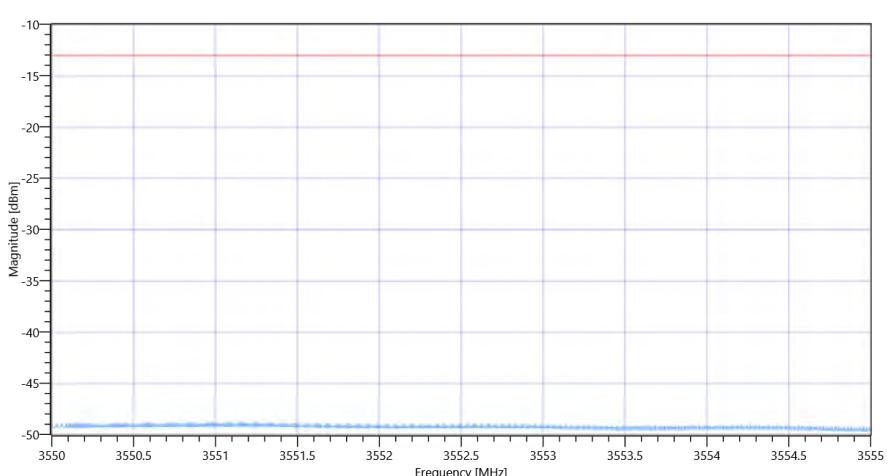
Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-45.32	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-45.64	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-45.52	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-45.41	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-45.41	dBm	PASS


READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.50 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-49.38	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-49.4	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-49.49	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-49.61	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-49.65	dBm	PASS



General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 22:56:55
Ambit Temp [°C] Humidity [rel%]	25.4 45
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	True
Frequency high to test	False
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 90

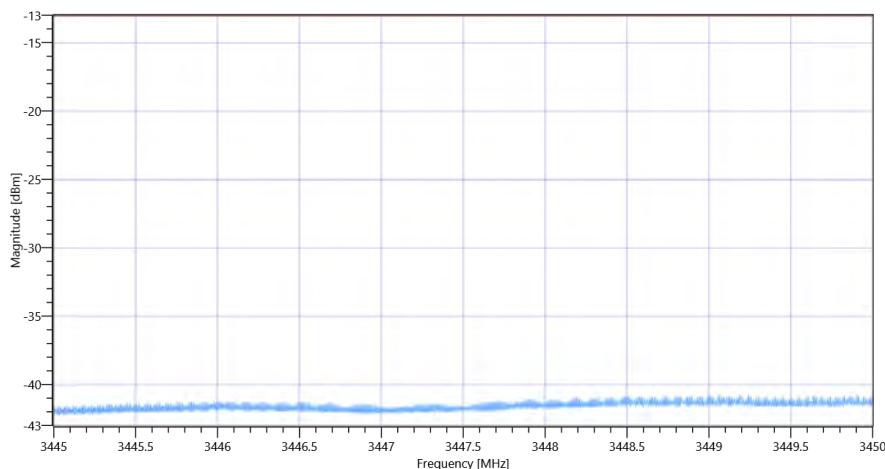
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 90, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.76 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-41.57	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-41.61	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-41.96	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-41.99	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-42.05	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

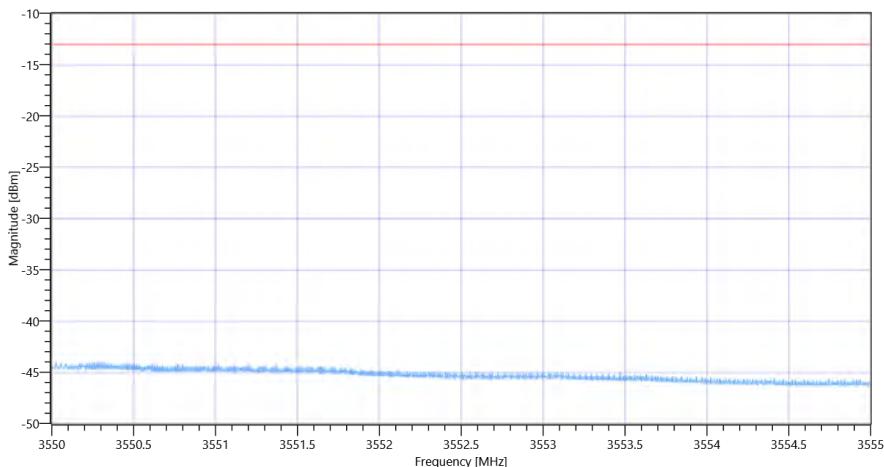
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.76 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-44.82	dBm	PASS

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3551.5	---	-13	-45.1	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-45.62	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-45.88	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-46.31	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

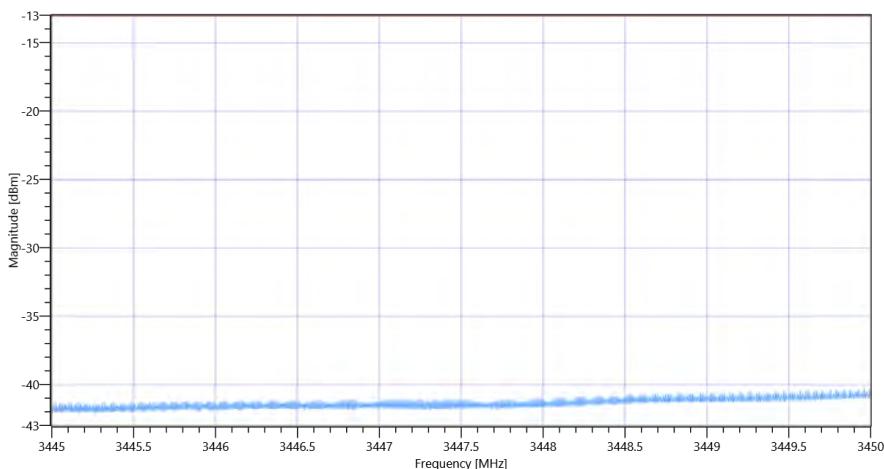
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 90, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.31 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-41.18	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-41.44	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-41.76	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-41.81	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-41.95	dBm	PASS



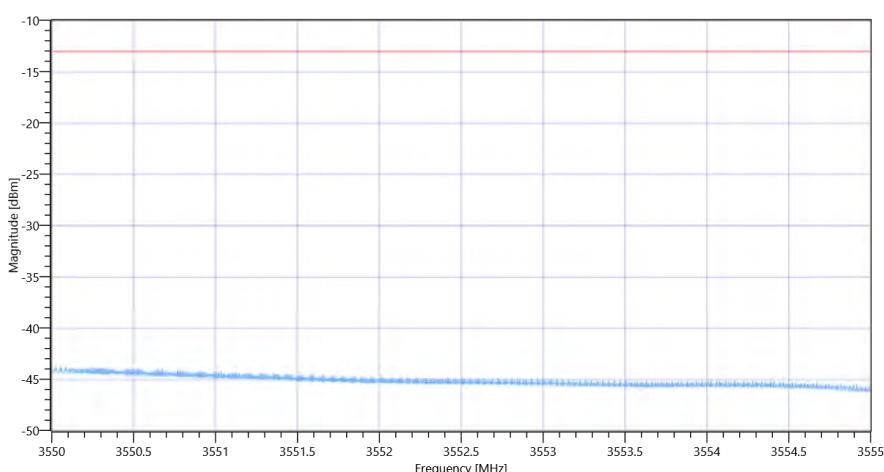
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.31 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-44.63	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-45.17	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-45.54	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-45.77	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-45.95	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

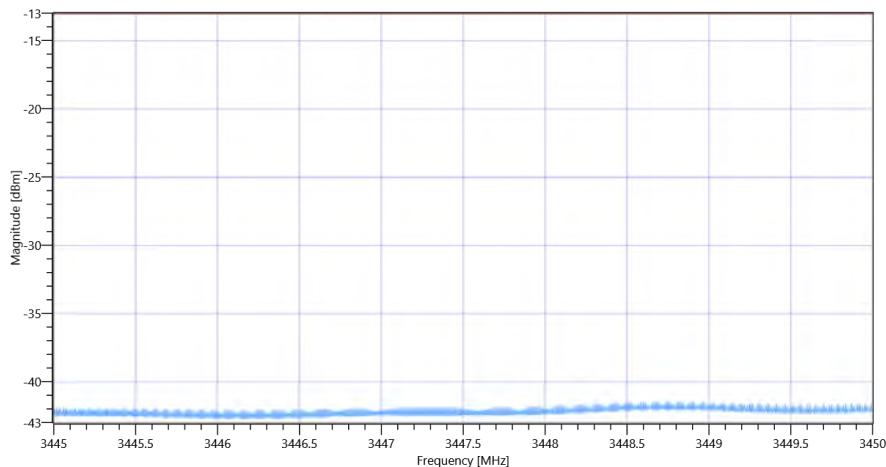
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 90, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.73 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-42.29	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-42.21	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-42.51	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-42.66	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-42.61	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

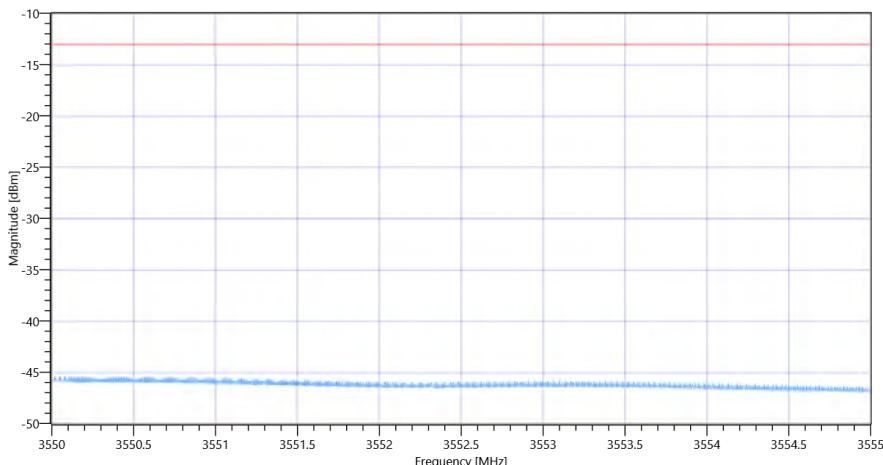
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.73 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-46.08	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-46.35	dBm	PASS

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3552.5	---	-13	-46.56	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-46.57	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-46.86	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

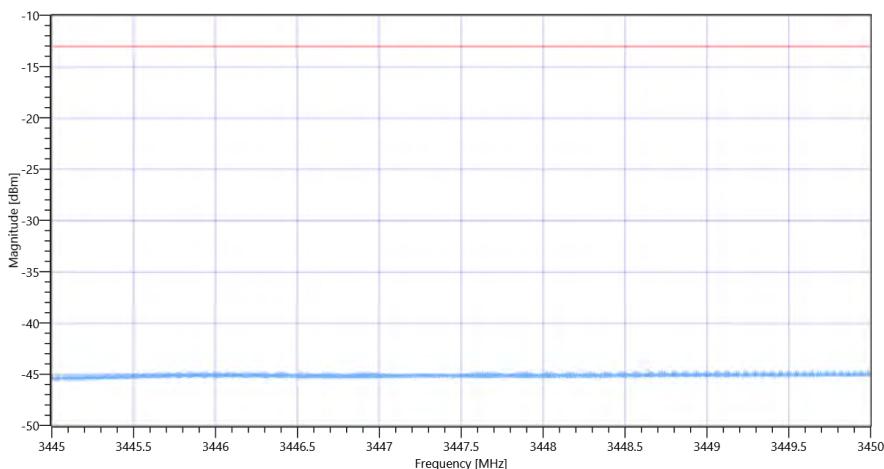
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 90, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.91 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-45.29	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-45.34	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-45.39	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-45.4	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-45.47	dBm	PASS



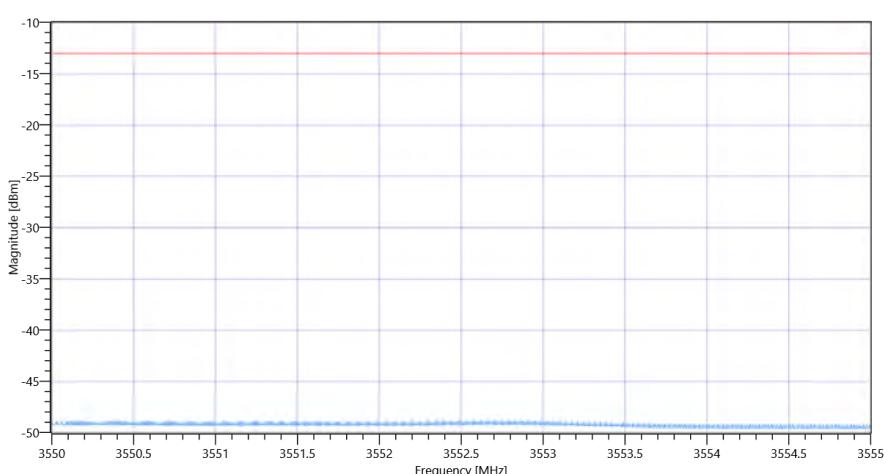
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.91 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-49.4	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-49.43	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-49.38	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-49.55	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-49.7	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 22:23:16
Ambit Temp [°C] Humidity [rel%]	25.5 45
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	True
Frequency high to test	False
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 100

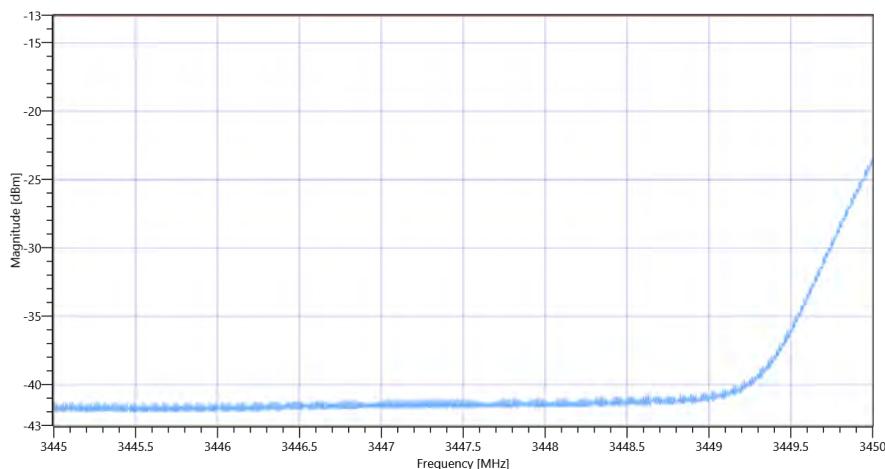
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 100, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.52 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-31.28	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-41.53	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-41.72	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-41.86	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-41.98	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

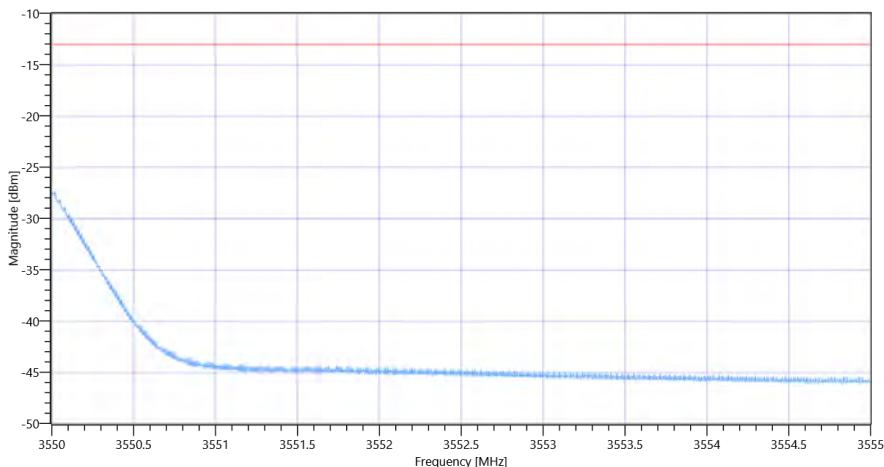
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.52 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-35.14	dBm	PASS

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3551.5	---	-13	-45.01	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-45.37	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-45.75	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-46.04	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

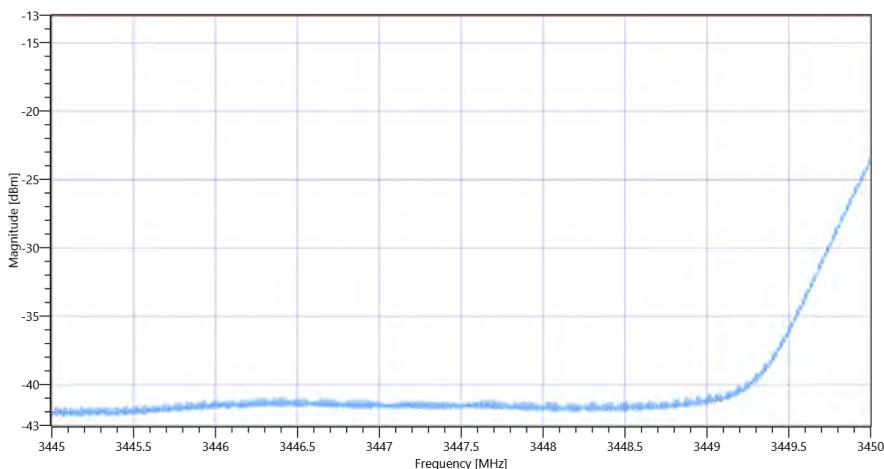
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 100, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.78 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-31.32	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-41.85	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-41.82	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-41.68	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-42.13	dBm	PASS



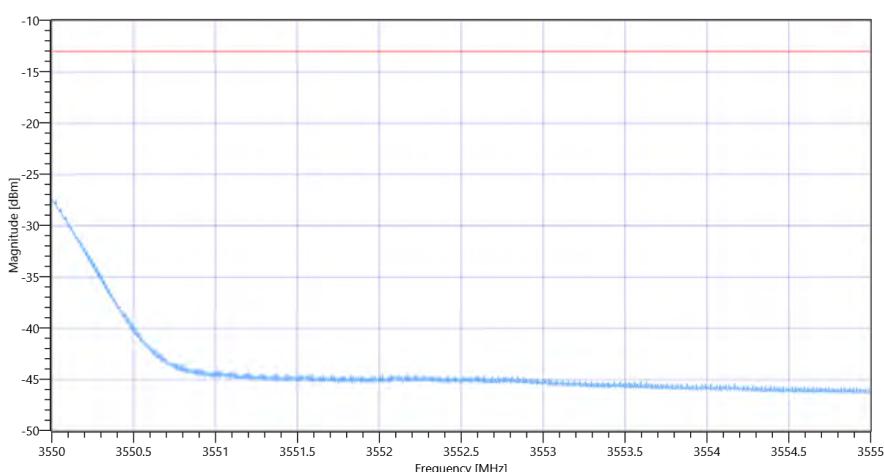
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.78 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-35.19	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-45.16	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-45.34	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-45.89	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-46.29	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

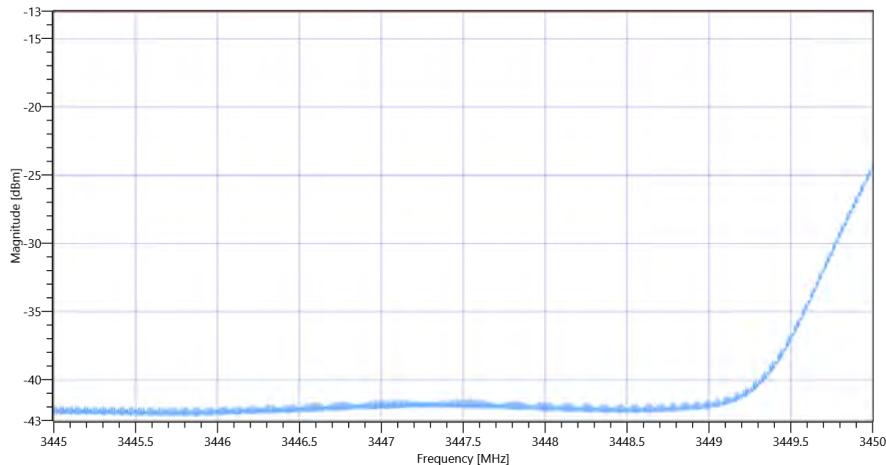
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 100, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.91 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-32.15	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-42.38	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-42.15	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-42.39	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-42.62	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

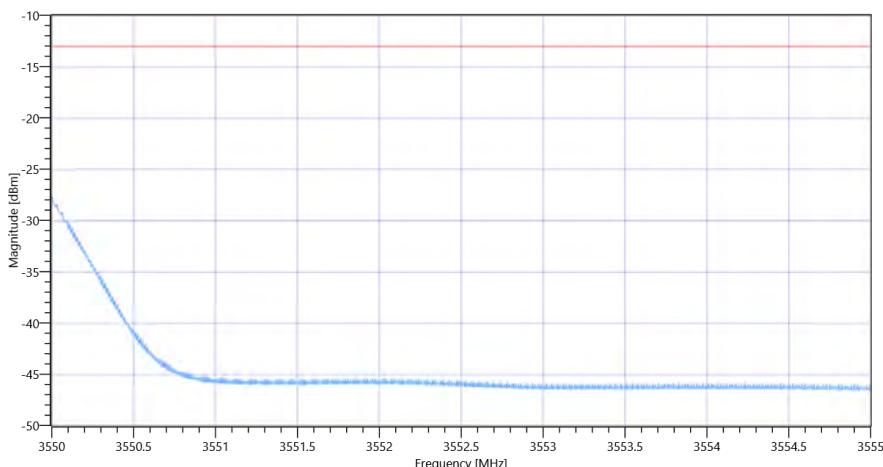
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.91 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-35.86	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-46.05	dBm	PASS

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3552.5	---	-13	-46.25	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-46.54	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-46.57	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

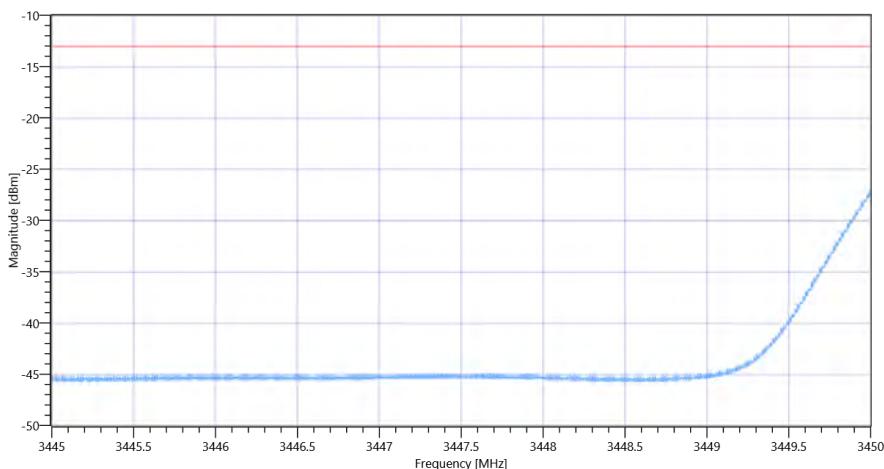
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 100, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.55 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

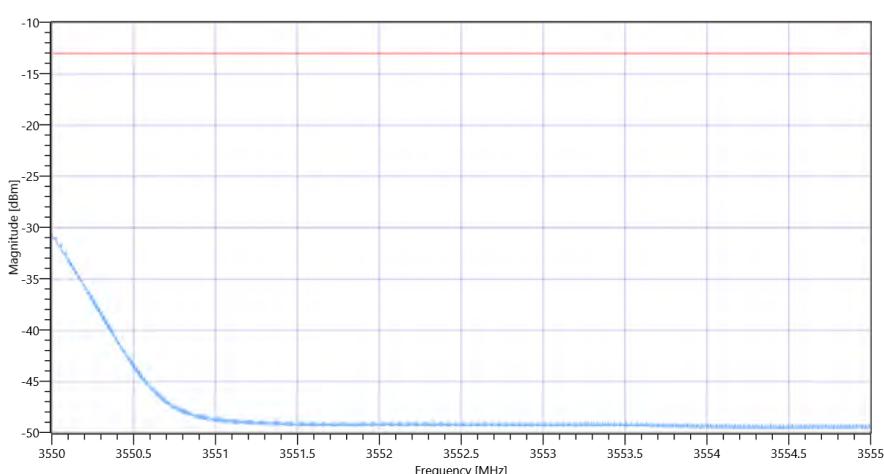
Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-34.98	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-45.7	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-45.51	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-45.61	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-45.68	dBm	PASS


READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.55 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-38.52	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-49.38	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-49.49	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-49.54	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-49.71	dBm	PASS



General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 21:56:18
Ambit Temp [°C] Humidity [rel%]	25.6 45
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	False
Frequency high to test	True
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 10

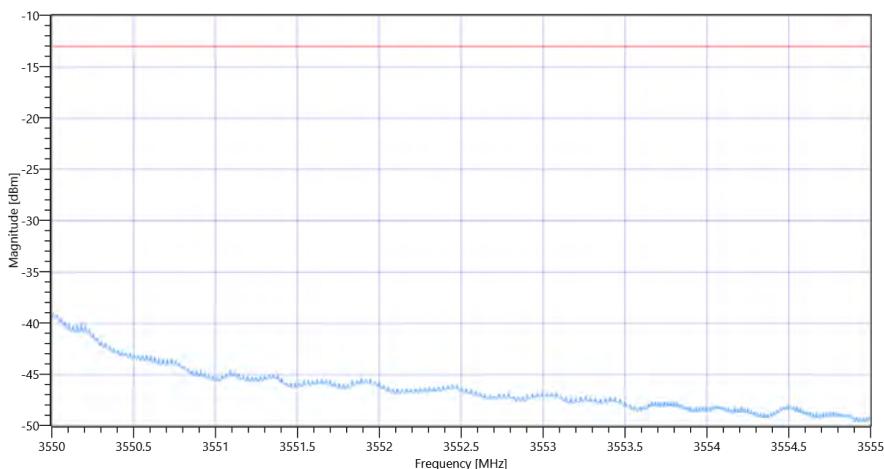
Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.75 0 35
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-32.74	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-35.96	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-37.08	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-38.08	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-39.05	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

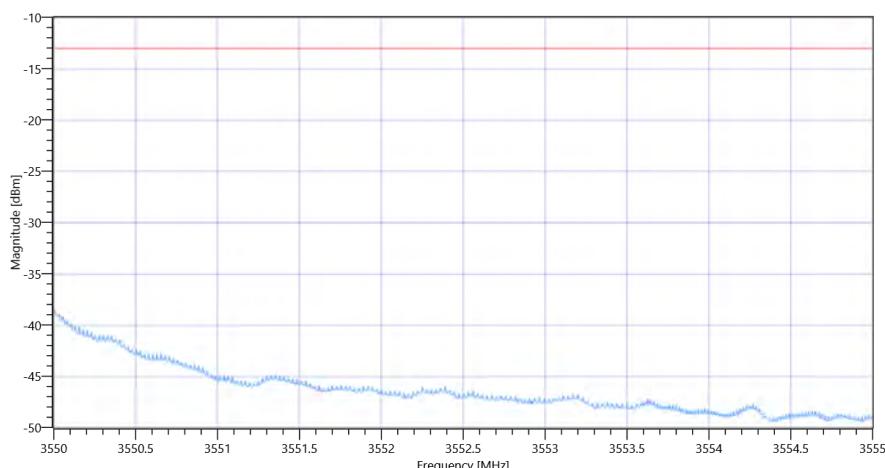
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.60 0 35
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3550.5	---	-13	-32.33	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-36.11	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-37.2	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-38.09	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-39.08	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

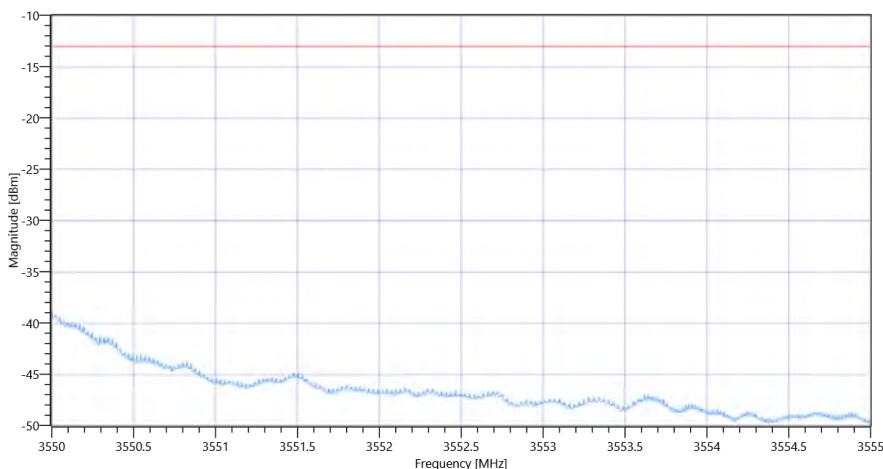
Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.79 0 35
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-32.73	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-36.31	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-37.41	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-38.19	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-39.41	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

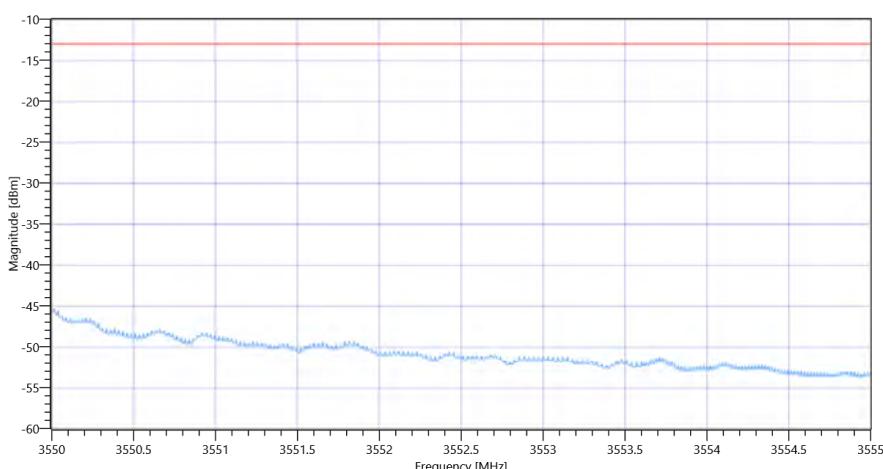
Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.40 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-38.24	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-40.15	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-41.56	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-42.34	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-43.25	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 21:30:42
Ambit Temp [°C] Humidity [rel%]	25.7 45
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	False
Frequency high to test	True
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 20

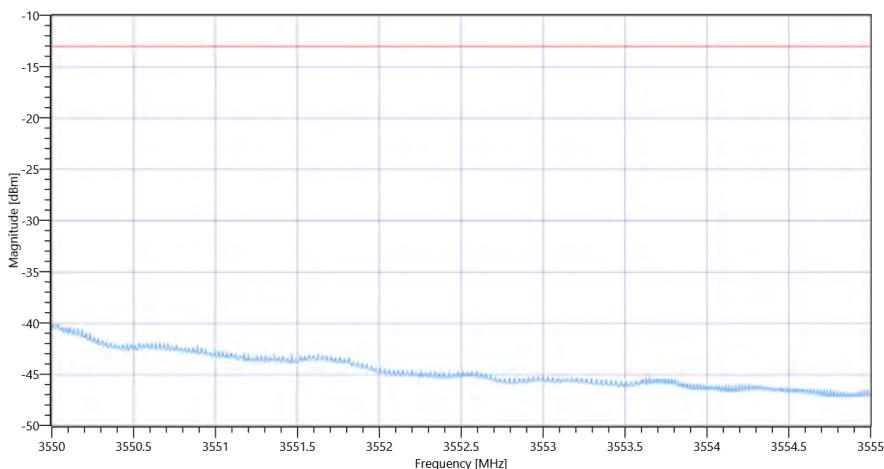
Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.91 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-35.25	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-36.9	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-38.5	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-39.12	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-39.9	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

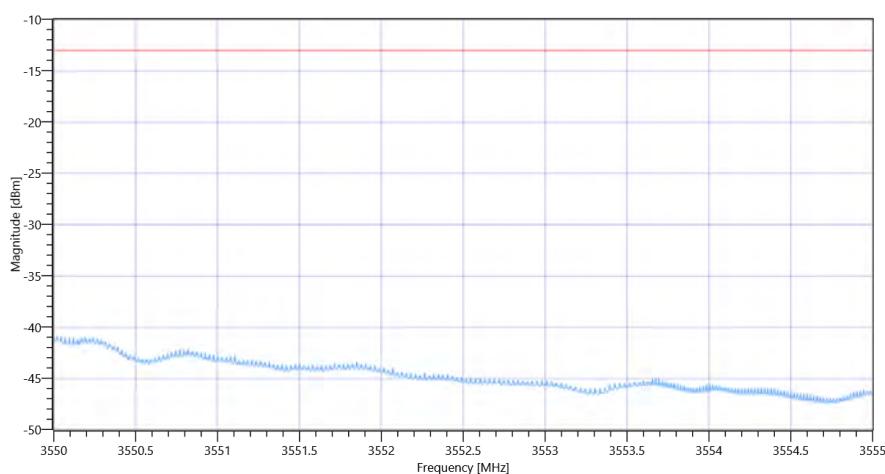
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.71 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3550.5	---	-13	-35.6	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-37.1	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-38.42	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-39.17	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-39.88	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

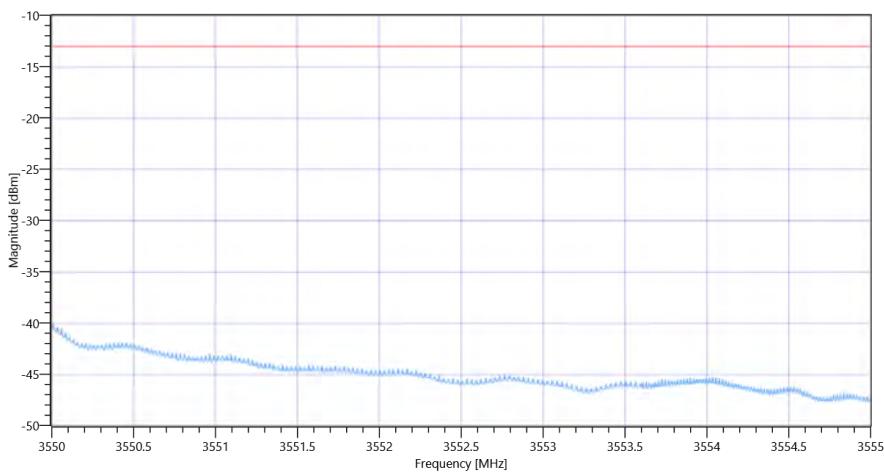
Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.50 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-35.77	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-37.6	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-38.71	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-39.36	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-40	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

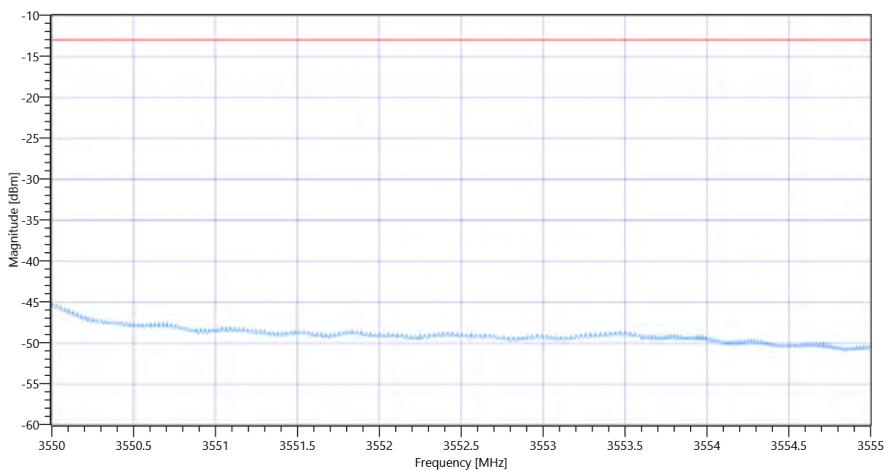
Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.94 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-40.78	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-42.09	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-42.52	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-42.53	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-43.53	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 21:05:56
Ambit Temp [°C] Humidity [rel%]	25.8 45
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	False
Frequency high to test	True
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 30

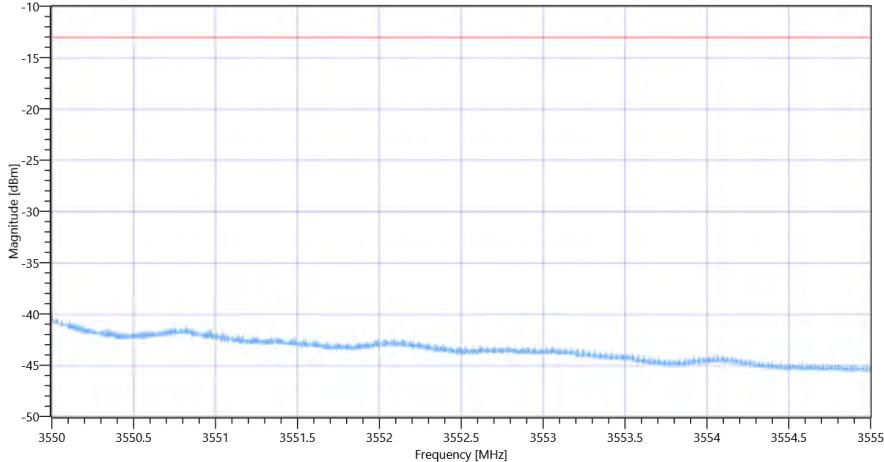
Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.49 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-36.79	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-37.88	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-38.41	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-39.31	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-40.09	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

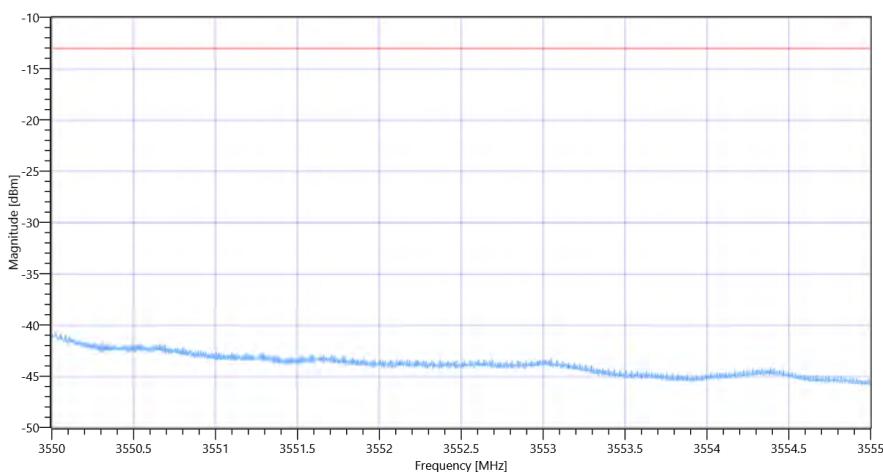
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.73 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3550.5	--	-13	-37.25	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-38.43	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-38.89	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-39.7	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-40.1	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

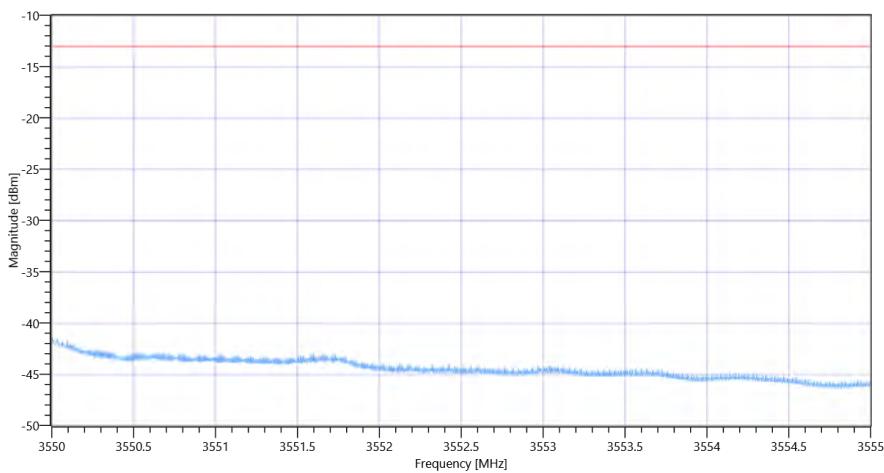
Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.42 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-38.13	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-38.77	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-39.68	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-40.02	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-40.73	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

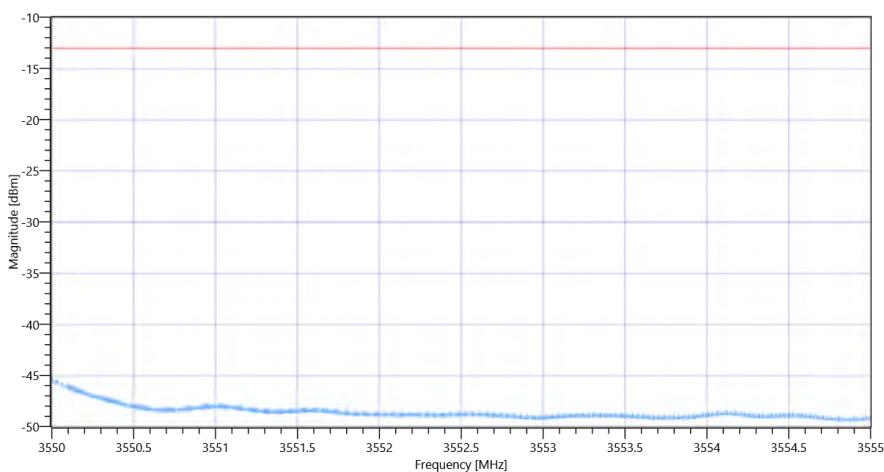
Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.13 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-42.51	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-43.51	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-43.92	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-44.05	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-44.05	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 20:41:07
Ambit Temp [°C] Humidity [rel%]	25.8 46
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	False
Frequency high to test	True
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 40

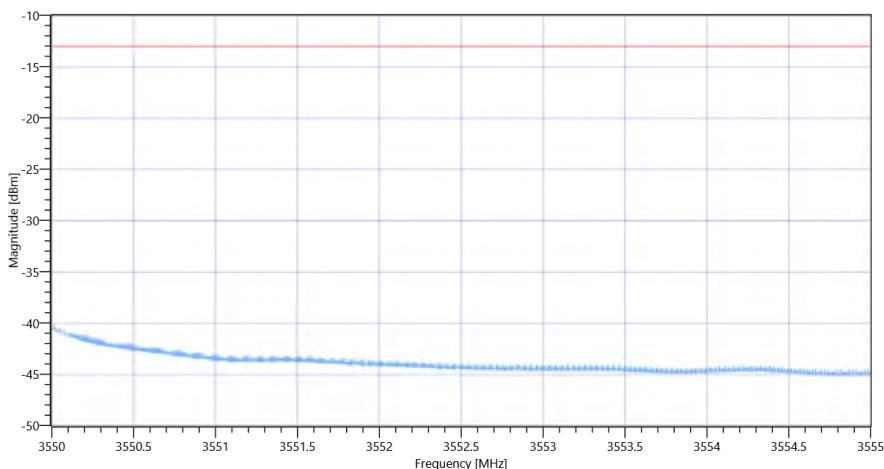
Test freq: high, UL[MHz]/CH 3530/0, CBW [MHz]: 40, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.22 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-39.5	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-40.93	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-41.53	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-41.81	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-41.99	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test freq: high, UL[MHz]/CH 3530/0, CBW [MHz]: 40, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

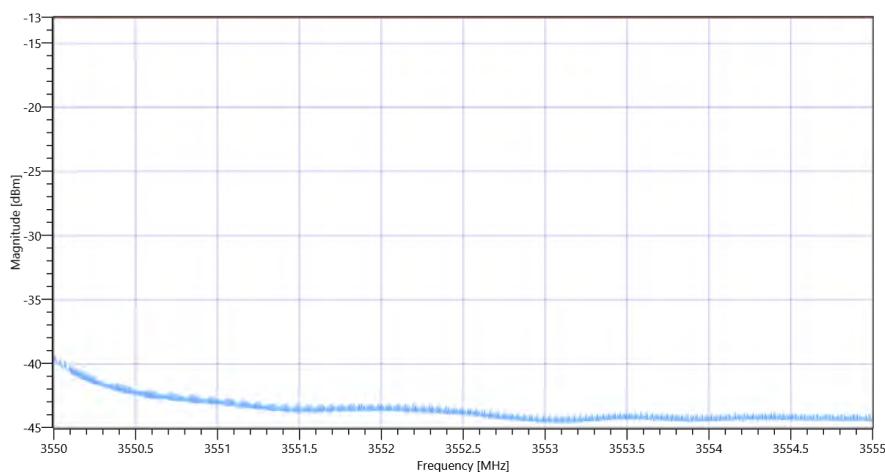
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.03 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3550.5	--	-13	-39.13	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-40.7	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-41.13	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-41.55	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-41.53	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

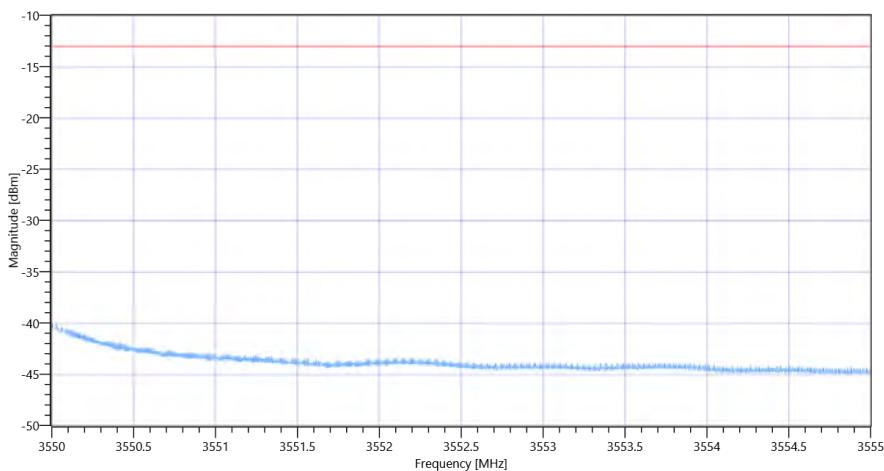
Test freq: high, UL[MHz]/CH 3530/0, CBW [MHz]: 40, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.74 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-39.49	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-41.04	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-41.34	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-41.58	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-41.89	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

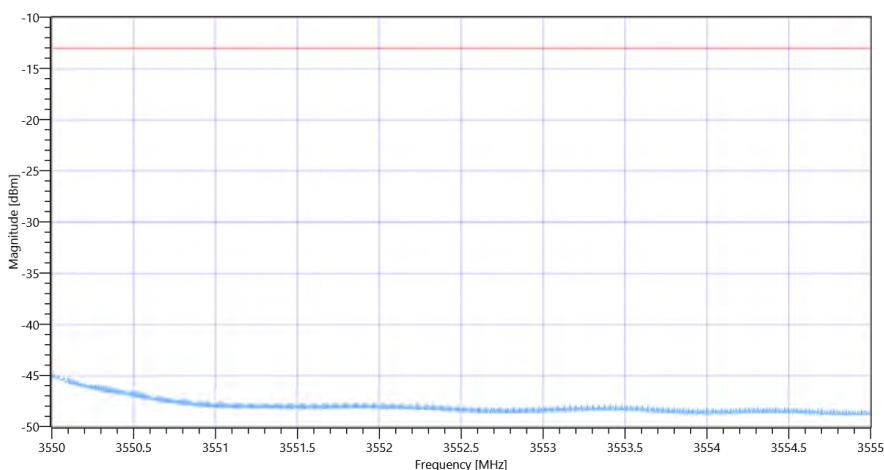
Test freq: high, UL[MHz]/CH 3530/0, CBW [MHz]: 40, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.44 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-43.96	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-45.28	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-45.54	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-45.6	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-45.83	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 20:15:57
Ambit Temp [°C] Humidity [rel%]	26.0 46
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	False
Frequency high to test	True
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 50

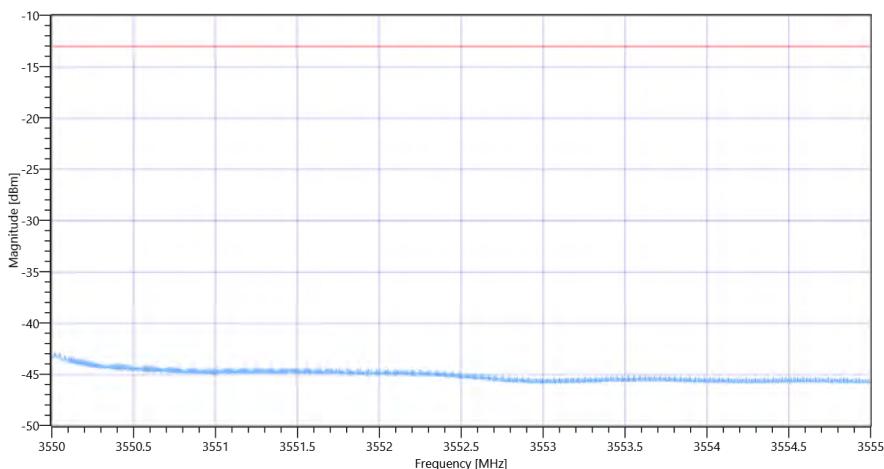
Test freq: high, UL[MHz]/CH 3525/0, CBW [MHz]: 50, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.57 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-41.53	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-42.01	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-42.46	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-42.82	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-42.9	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test freq: high, UL[MHz]/CH 3525/0, CBW [MHz]: 50, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

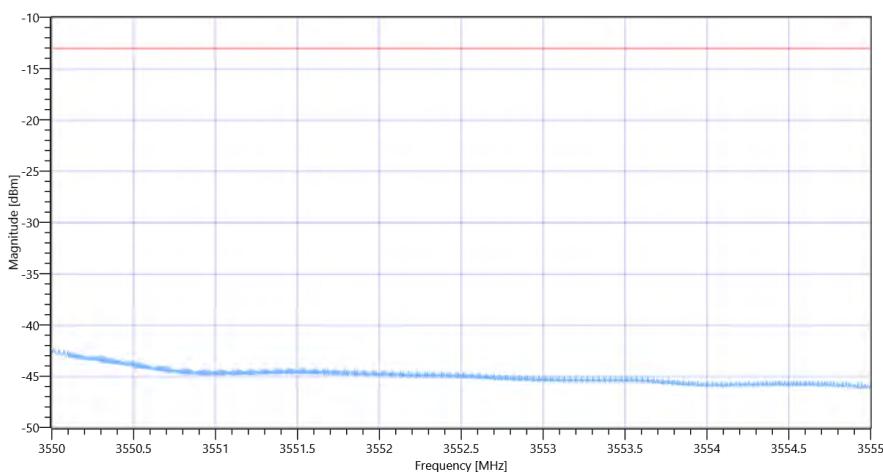
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.19 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3550.5	---	-13	-41.04	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-41.89	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-42.27	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-42.74	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-43.09	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

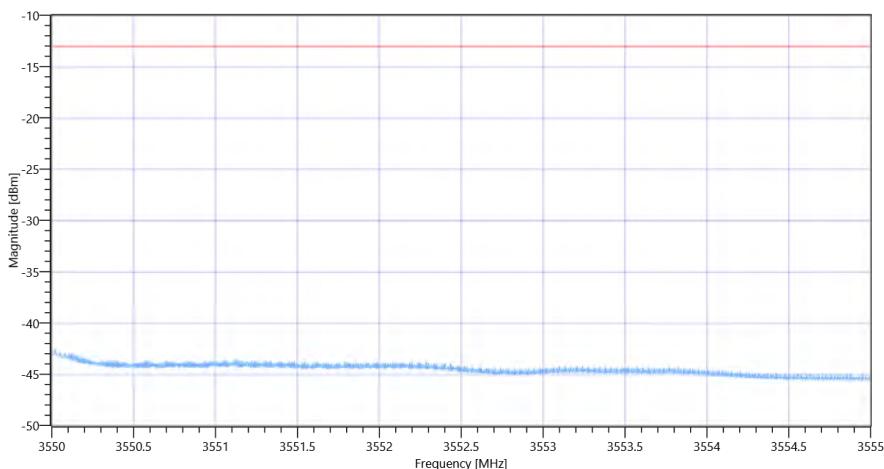
Test freq: high, UL[MHz]/CH 3525/0, CBW [MHz]: 50, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.81 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-41.14	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-41.38	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-41.75	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-41.94	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-42.51	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

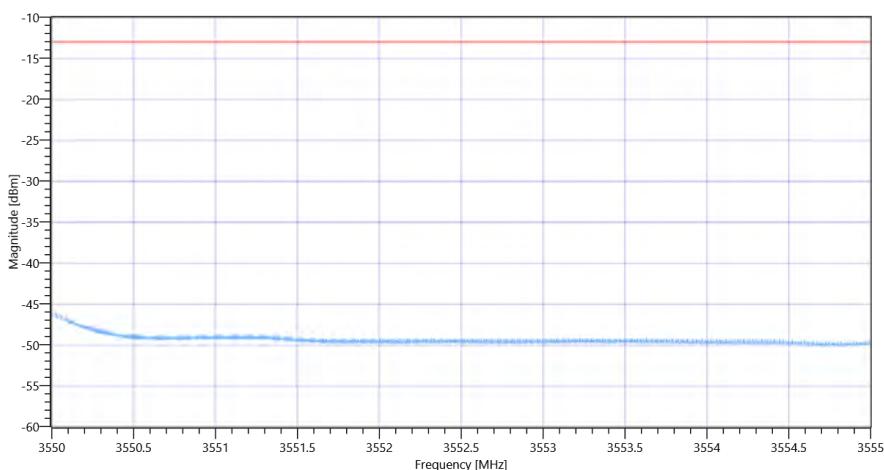
Test freq: high, UL[MHz]/CH 3525/0, CBW [MHz]: 50, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.57 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-45.73	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-46.6	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-46.84	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-46.82	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-47.03	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 19:50:54
Ambit Temp [°C] Humidity [rel%]	26.1 47
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	False
Frequency high to test	True
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 60

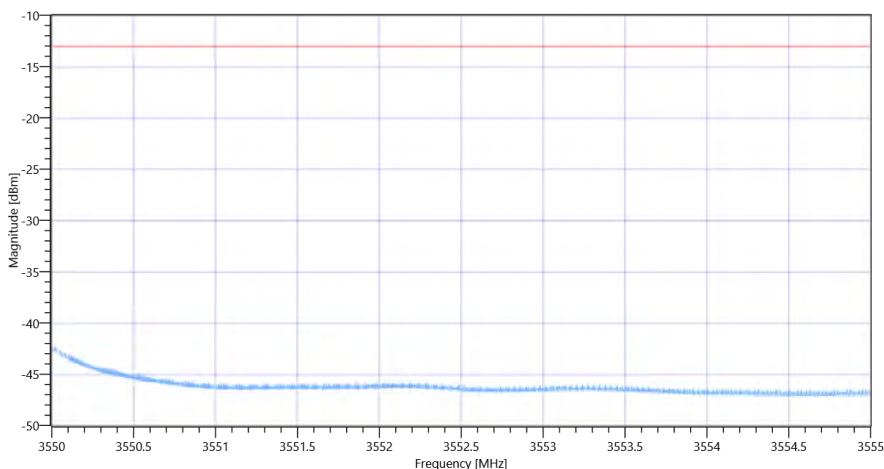
Test freq: high, UL[MHz]/CH 3520/0, CBW [MHz]: 60, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.31 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-42.14	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-43.53	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-43.63	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-43.79	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-44.11	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test freq: high, UL[MHz]/CH 3520/0, CBW [MHz]: 60, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

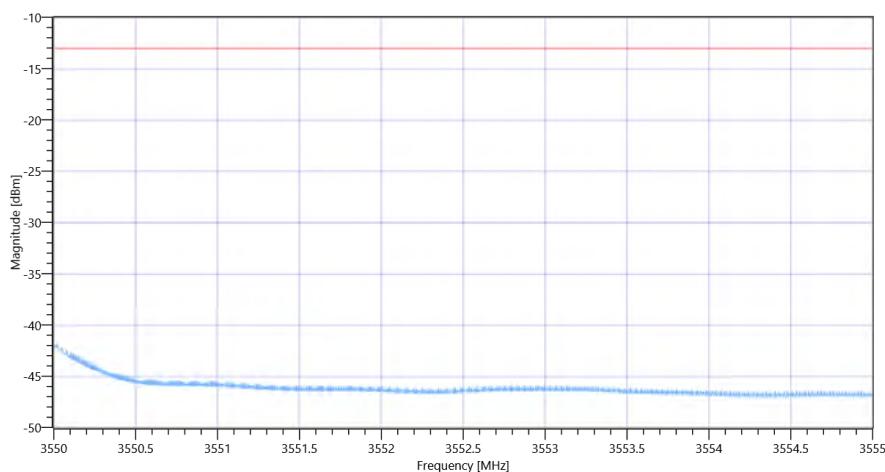
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.22 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3550.5	---	-13	-41.98	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-43.42	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-43.63	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-43.71	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-44.04	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

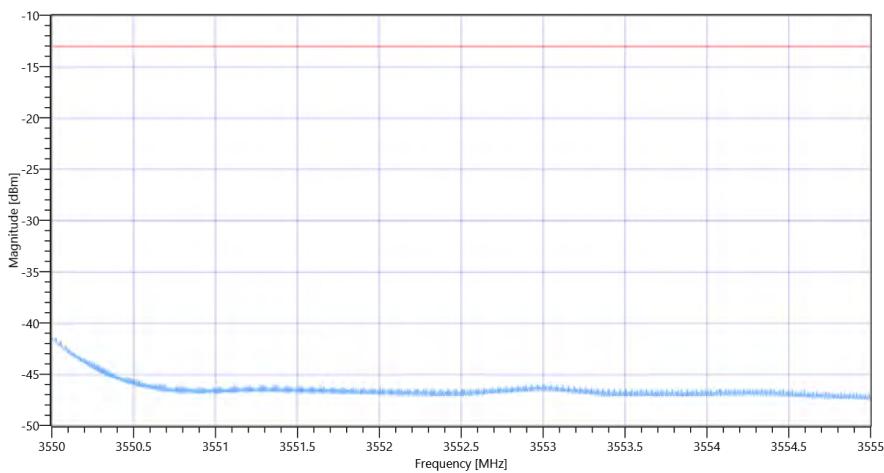
Test freq: high, UL[MHz]/CH 3520/0, CBW [MHz]: 60, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.80 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-42.18	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-43.84	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-43.96	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-44.03	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-44.22	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

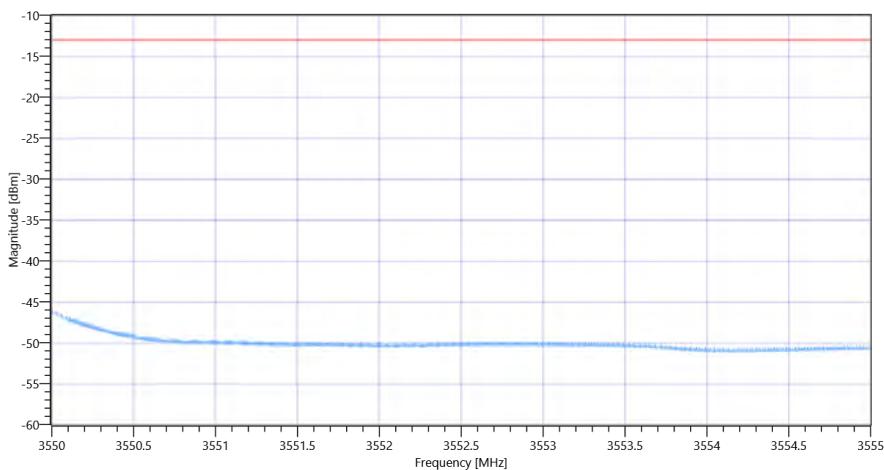
Test freq: high, UL[MHz]/CH 3520/0, CBW [MHz]: 60, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.55 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-45.98	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-47.41	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-47.48	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-47.67	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-48.08	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 19:25:44
Ambit Temp [°C] Humidity [rel%]	26.3 47
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	False
Frequency high to test	True
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 70

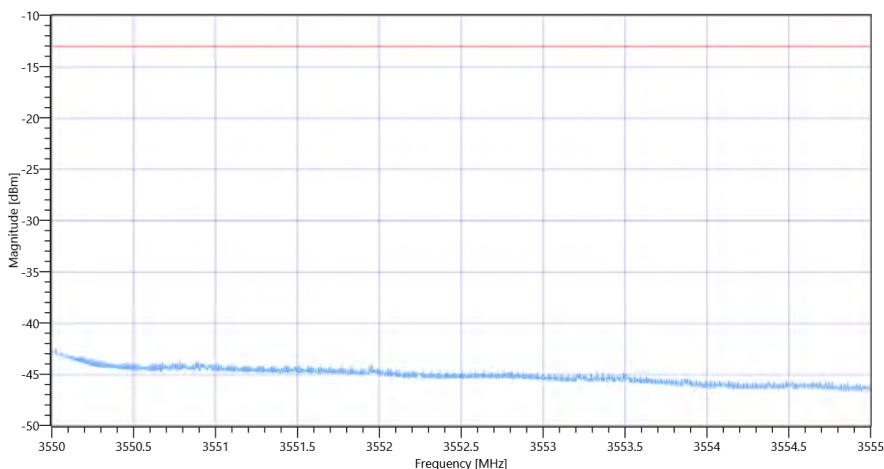
Test freq: high, UL[MHz]/CH 3515/0, CBW [MHz]: 70, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.45 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-41.28	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-41.87	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-42.38	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-42.84	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-43.43	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test freq: high, UL[MHz]/CH 3515/0, CBW [MHz]: 70, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

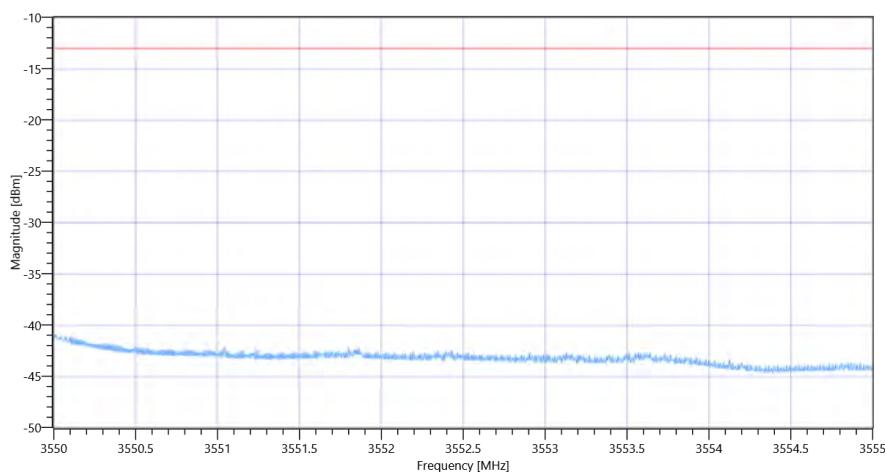
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.76 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3550.5	---	-13	-39.57	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-40.21	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-40.43	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-40.61	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-41.45	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

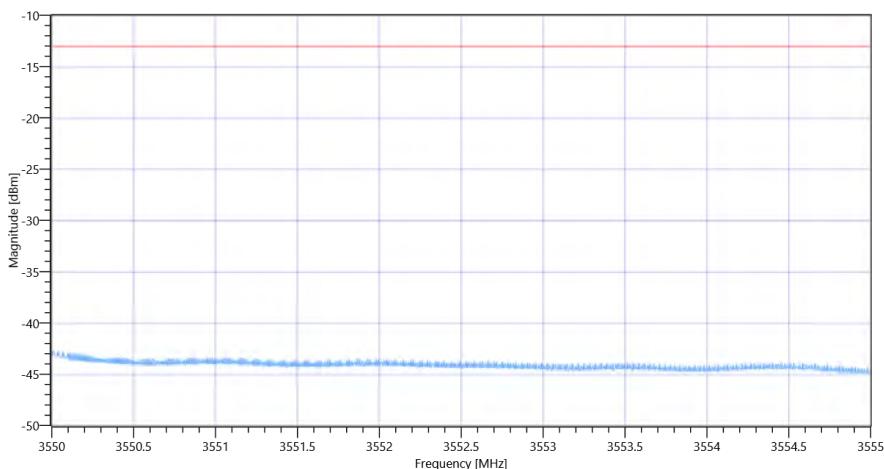
Test freq: high, UL[MHz]/CH 3515/0, CBW [MHz]: 70, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.32 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-40.92	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-41.2	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-41.37	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-41.65	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-41.69	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

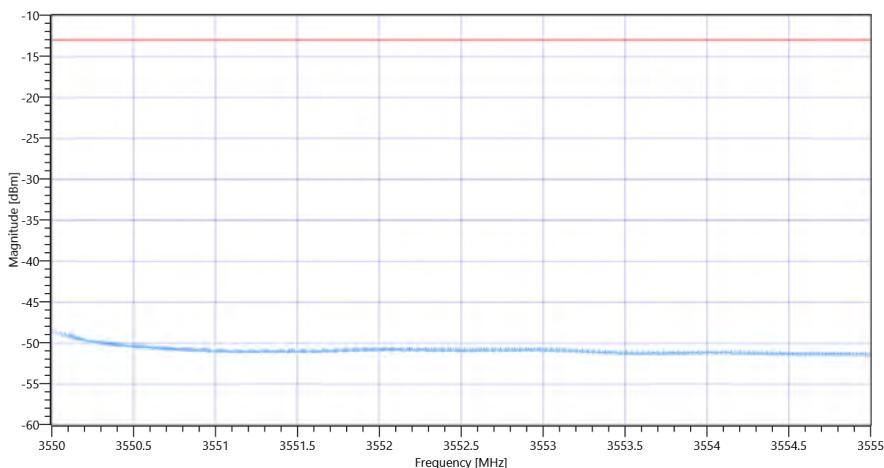
Test freq: high, UL[MHz]/CH 3515/0, CBW [MHz]: 70, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.21 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-47.42	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-48.24	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-48.11	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-48.4	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-48.57	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 19:00:30
Ambit Temp [°C] Humidity [rel%]	26.6 47
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	False
Frequency high to test	True
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 80

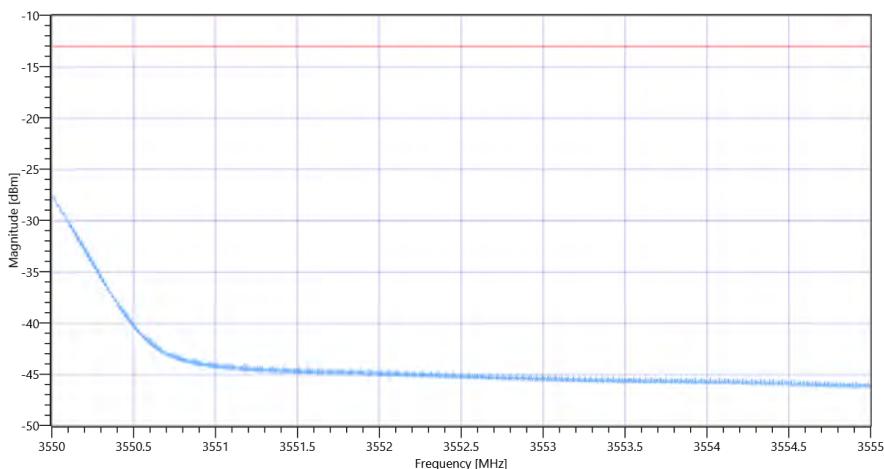
Test freq: high, UL[MHz]/CH 3510/0, CBW [MHz]: 80, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.36 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-35.43	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-44.92	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-45.46	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-45.88	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-46.2	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test freq: high, UL[MHz]/CH 3510/0, CBW [MHz]: 80, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

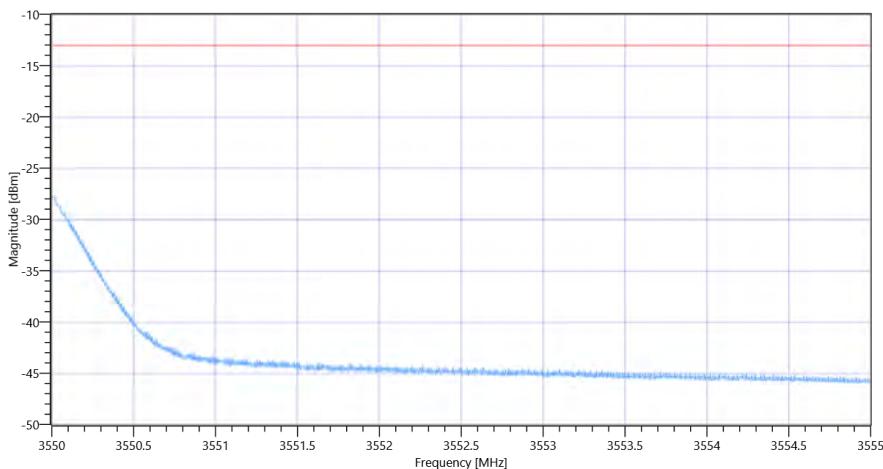
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.69 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3550.5	---	-13	-35.45	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-44.54	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-45.1	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-45.5	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-45.84	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

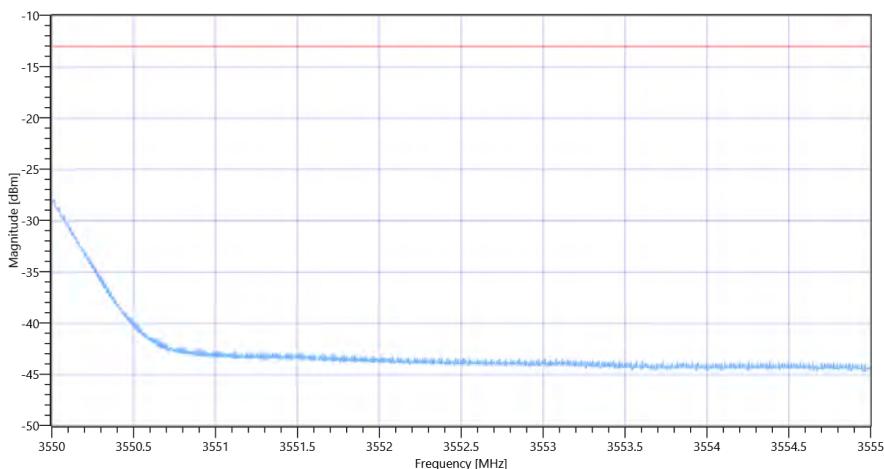
Test freq: high, UL[MHz]/CH 3510/0, CBW [MHz]: 80, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.76 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-35.72	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-43.62	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-44.1	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-44.39	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-44.54	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

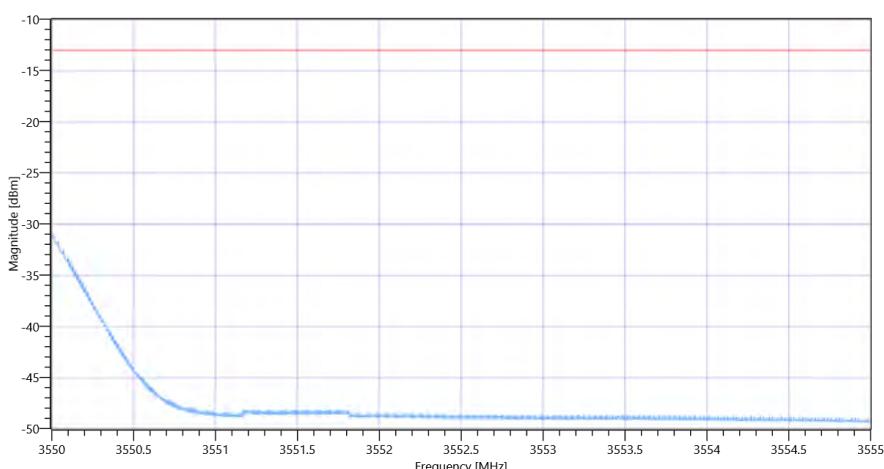
Test freq: high, UL[MHz]/CH 3510/0, CBW [MHz]: 80, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.52 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-39.12	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-48.78	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-49.11	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-49.22	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-49.4	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 18:34:27
Ambit Temp [°C] Humidity [rel%]	26.7 47
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	False
Frequency high to test	True
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 90

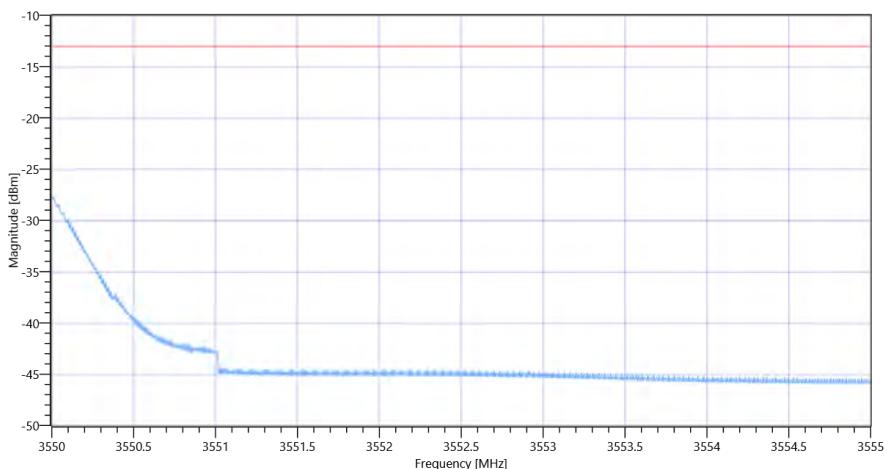
Test freq: high, UL[MHz]/CH 3505/0, CBW [MHz]: 90, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.26 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-35.42	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-45.1	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-45.25	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-45.62	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-45.93	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test freq: high, UL[MHz]/CH 3505/0, CBW [MHz]: 90, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

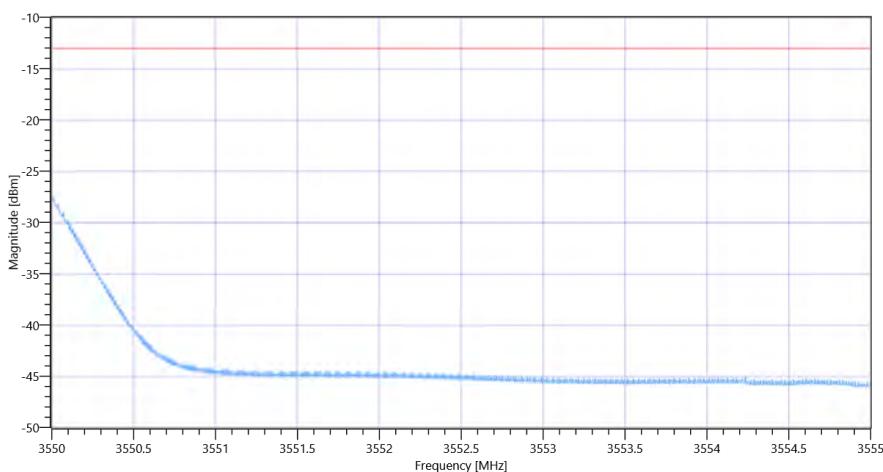
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.35 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3550.5	---	-13	-35.54	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-45.09	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-45.41	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-45.78	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-45.9	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

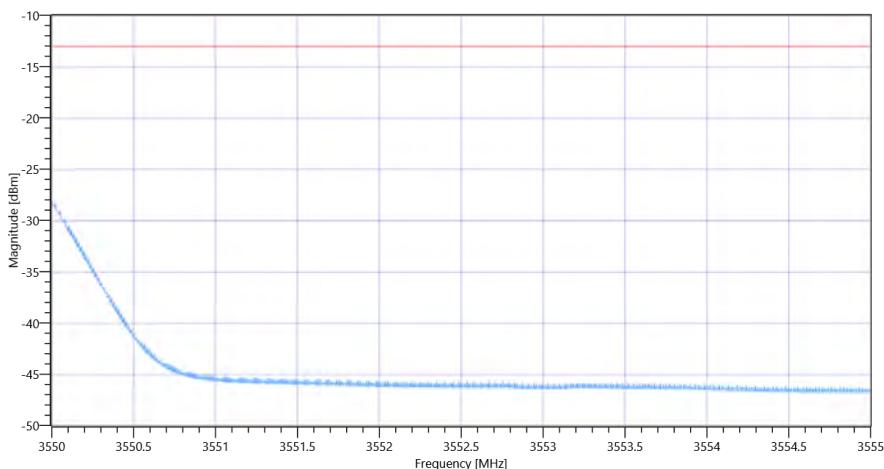
Test freq: high, UL[MHz]/CH 3505/0, CBW [MHz]: 90, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.65 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-36.14	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-46.06	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-46.38	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-46.52	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-46.8	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

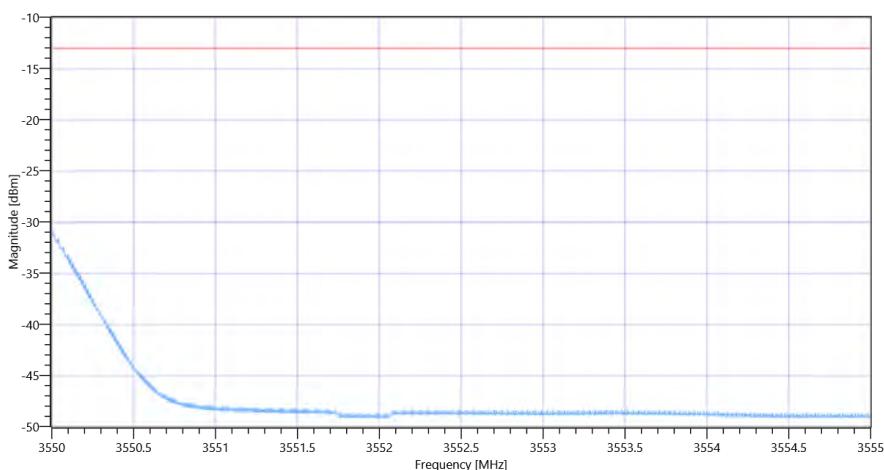
Test freq: high, UL[MHz]/CH 3505/0, CBW [MHz]: 90, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.94 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-39.01	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-48.83	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-48.95	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-48.96	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-49.18	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 17:24:27
Ambit Temp [°C] Humidity [rel%]	27.5 42
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True
Frequency mid to test	False
Frequency high to test	False
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 80

Test freq: low, UL[MHz]/CH 3490/0, CBW [MHz]: 80, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.36 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-33.28	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-41.93	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-42.17	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-42.42	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-42.43	dBm	PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test freq: low, UL[MHz]/CH 3490/0, CBW [MHz]: 80, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.64 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3450.5	--	-13	-33.24	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-42.04	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-42.22	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-42.32	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-42.6	dBm	PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test freq: low, UL[MHz]/CH 3490/0, CBW [MHz]: 80, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.67 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-33.88	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-41.72	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-42.03	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-42.12	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-42.22	dBm	PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test freq: low, UL[MHz]/CH 3490/0, CBW [MHz]: 80, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.12 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-36.7	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-45.36	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-45.3	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-45.44	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-45.55	dBm	PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 16:57:53
Ambit Temp [°C] Humidity [rel%]	27.4 42
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True
Frequency mid to test	False
Frequency high to test	False
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 70

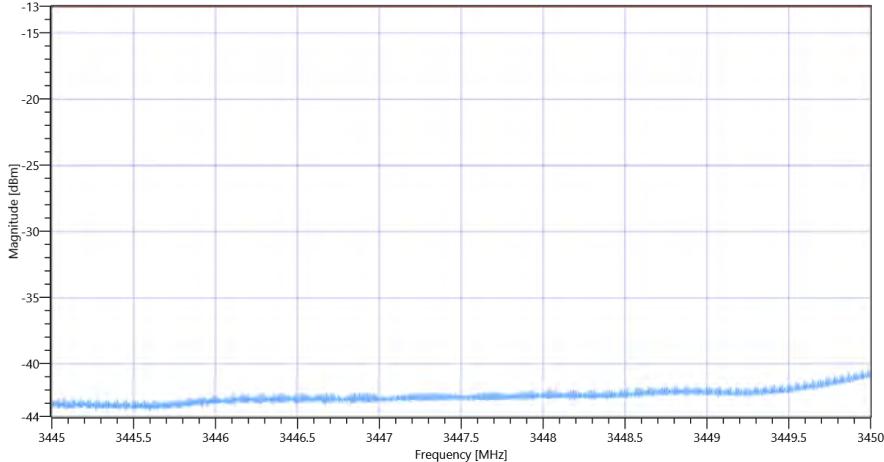
Test freq: low, UL[MHz]/CH 3485/0, CBW [MHz]: 70, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.87 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-39	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-39.52	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-39.79	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-39.93	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-40.33	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test freq: low, UL[MHz]/CH 3485/0, CBW [MHz]: 70, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

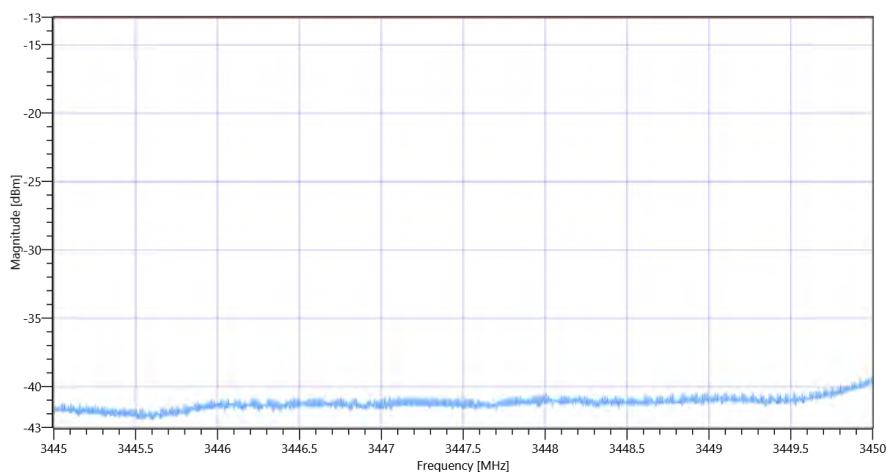
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.94 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3450.5	--	-13	-37.92	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-38.32	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-38.46	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-38.57	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-39.05	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

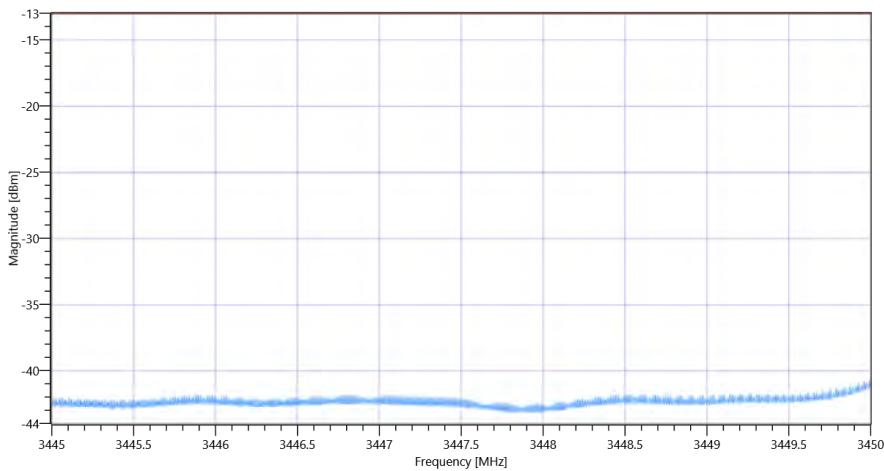
Test freq: low, UL[MHz]/CH 3485/0, CBW [MHz]: 70, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.66 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-39.25	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-39.65	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-39.83	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-39.61	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-39.7	dBm	PASS



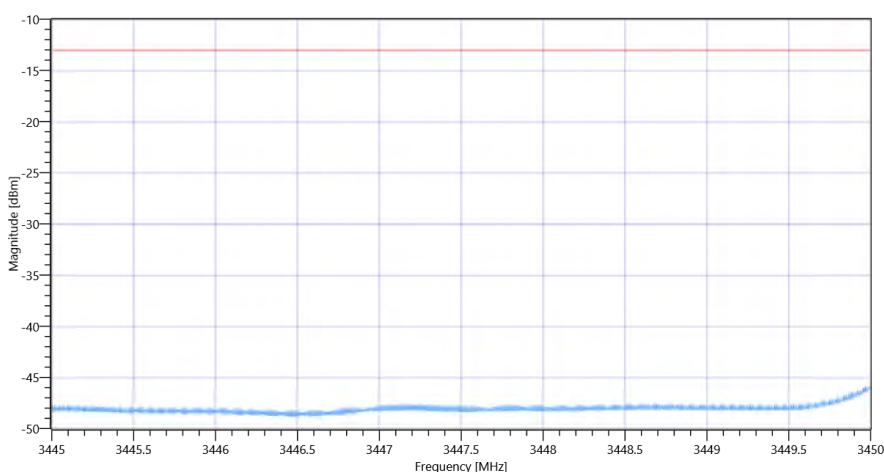
Test freq: low, UL[MHz]/CH 3485/0, CBW [MHz]: 70, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.86 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-44.86	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-45.22	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-45.31	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-45.65	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-45.45	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 16:13:20
Ambit Temp [°C] Humidity [rel%]	27.3 42
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True
Frequency mid to test	False
Frequency high to test	False
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 60

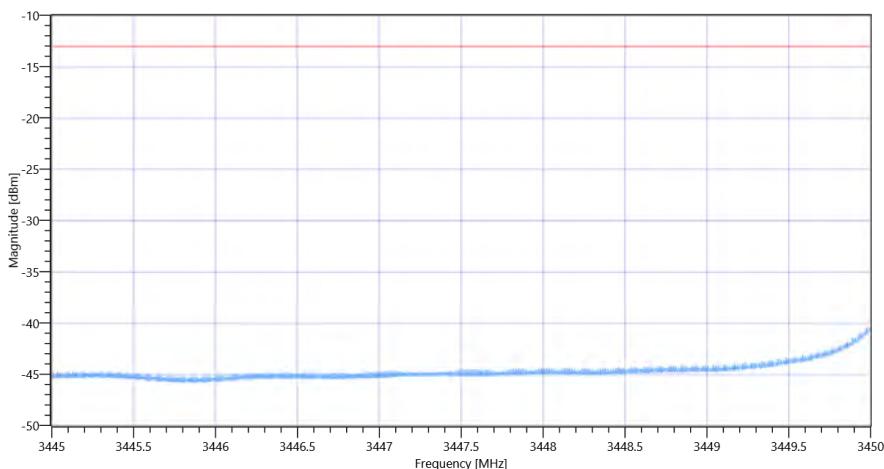
Test freq: low, UL[MHz]/CH 3480/0, CBW [MHz]: 60, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.84 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-40.57	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-41.95	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-42.19	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-42.48	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-42.54	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test freq: low, UL[MHz]/CH 3480/0, CBW [MHz]: 60, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

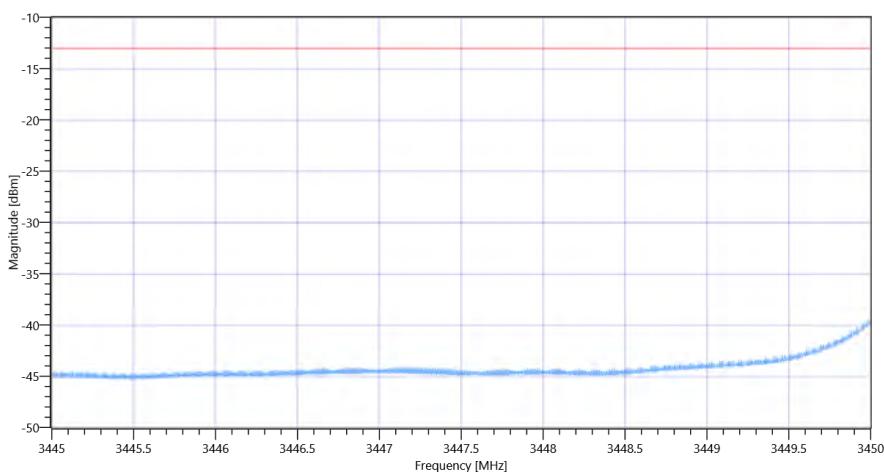
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.71 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3450.5	---	-13	-39.85	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-41.71	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-41.85	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-41.9	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-42.18	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

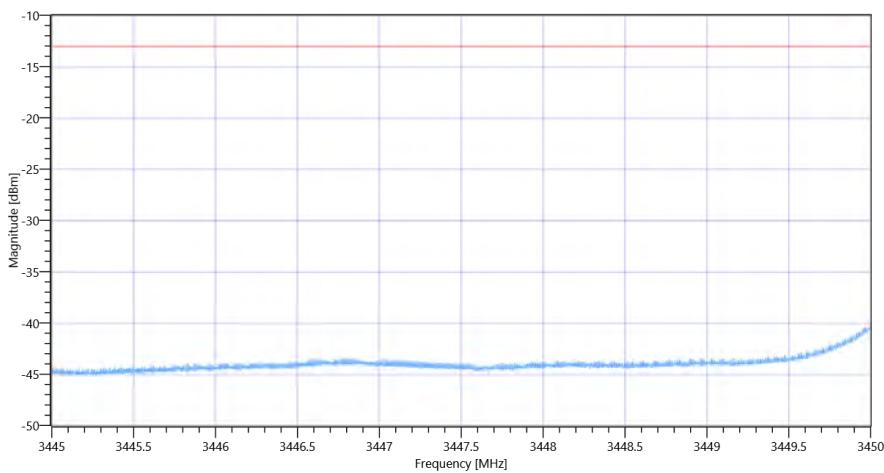
Test freq: low, UL[MHz]/CH 3480/0, CBW [MHz]: 60, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.04 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-40.21	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-41.31	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-41.46	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-41.32	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-41.88	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

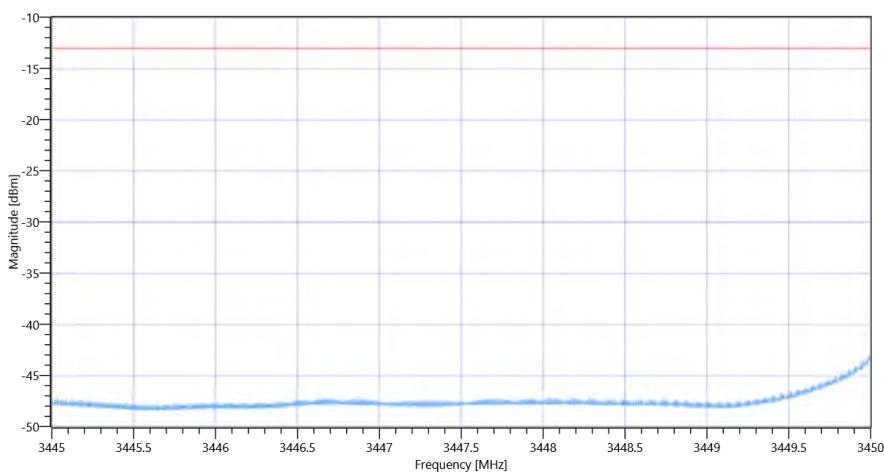
Test freq: low, UL[MHz]/CH 3480/0, CBW [MHz]: 60, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.87 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-43.67	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-44.97	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-44.96	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-45.06	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-45.24	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 15:47:10
Ambit Temp [°C] Humidity [rel%]	27.2 42
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True
Frequency mid to test	False
Frequency high to test	False
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 50

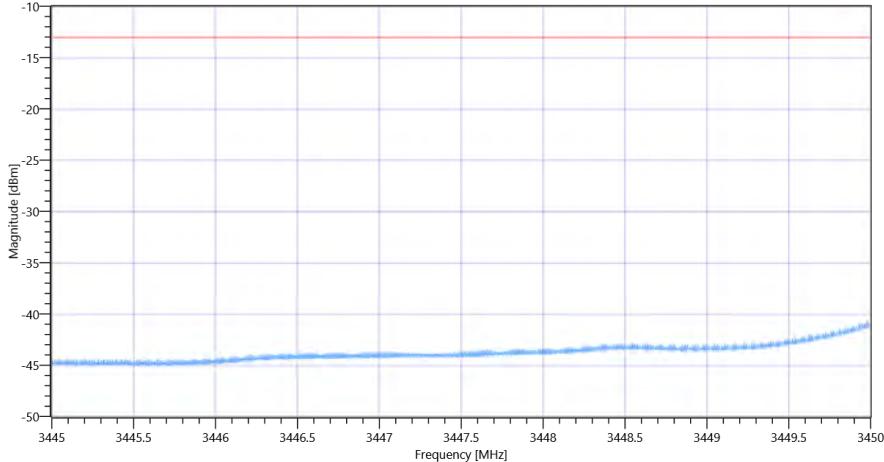
Test freq: low, UL[MHz]/CH 3475/0, CBW [MHz]: 50, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.92 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-39.8	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-40.66	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-41.17	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-41.47	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-42.02	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test freq: low, UL[MHz]/CH 3475/0, CBW [MHz]: 50, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

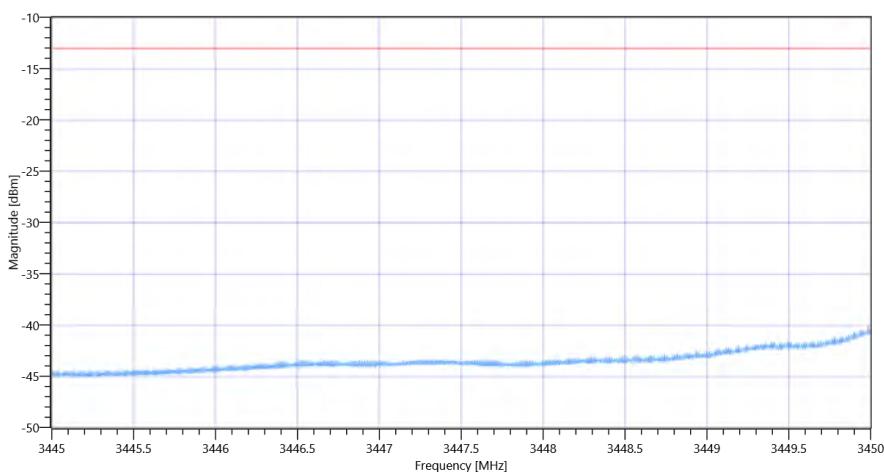
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.91 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3450.5	---	-13	-39.2	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-40.64	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-41	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-41.21	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-41.91	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

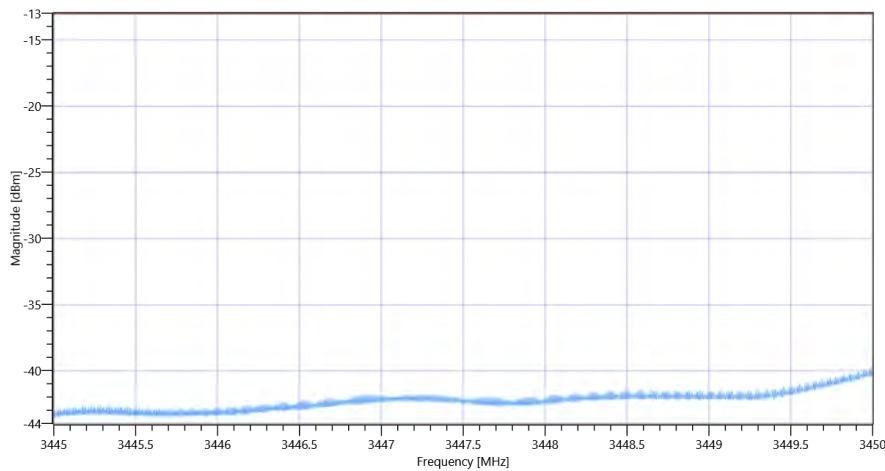
Test freq: low, UL[MHz]/CH 3475/0, CBW [MHz]: 50, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.80 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-38.61	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-39.24	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-39.51	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-39.92	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-40.41	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

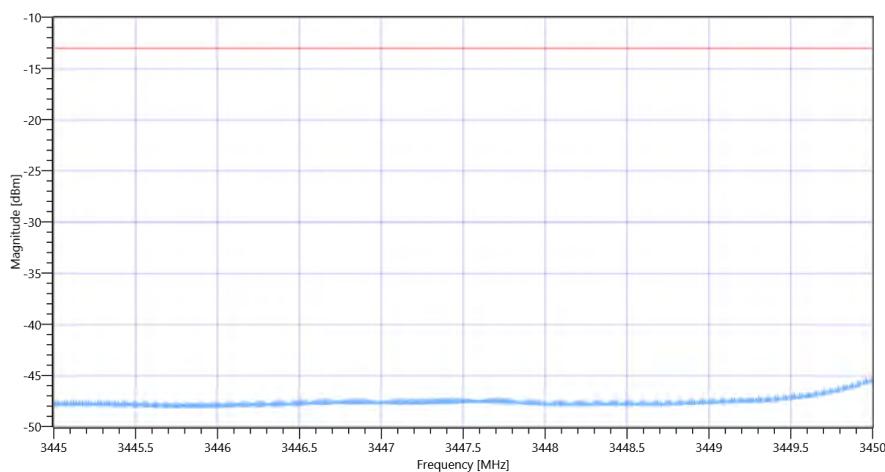
Test freq: low, UL[MHz]/CH 3475/0, CBW [MHz]: 50, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.07 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-44.16	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-44.99	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-44.83	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-44.97	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-45.09	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 15:02:01
Ambit Temp [°C] Humidity [rel%]	27.3 43
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True
Frequency mid to test	False
Frequency high to test	False
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 40

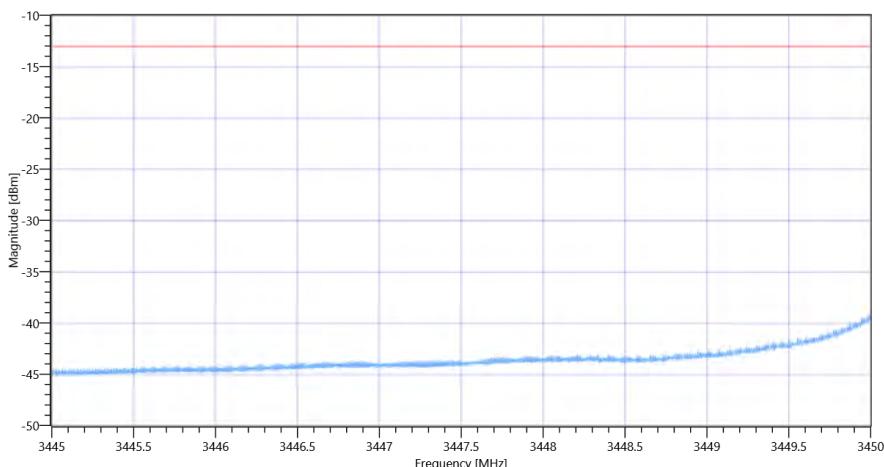
Test freq: low, UL[MHz]/CH 3470/0, CBW [MHz]: 40, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.50 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-39.03	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-40.73	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-41.14	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-41.53	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-41.93	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test freq: low, UL[MHz]/CH 3470/0, CBW [MHz]: 40, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

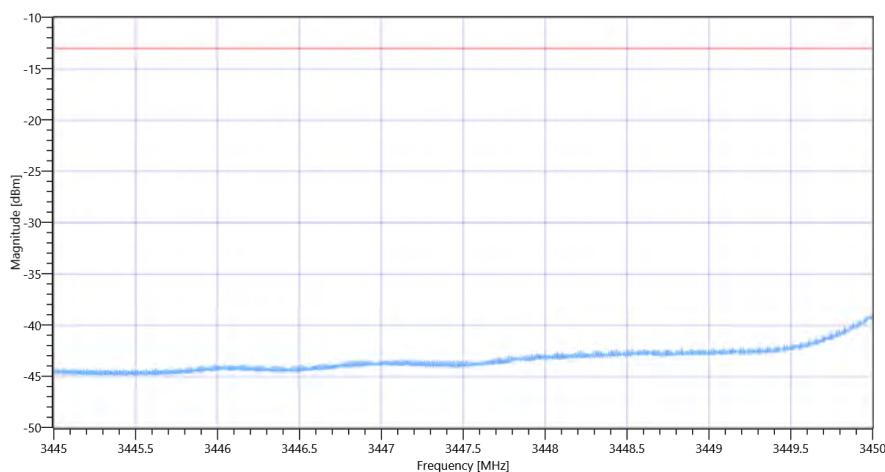
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.39 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3450.5	---	-13	-38.89	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-40.11	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-40.9	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-41.39	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-41.82	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

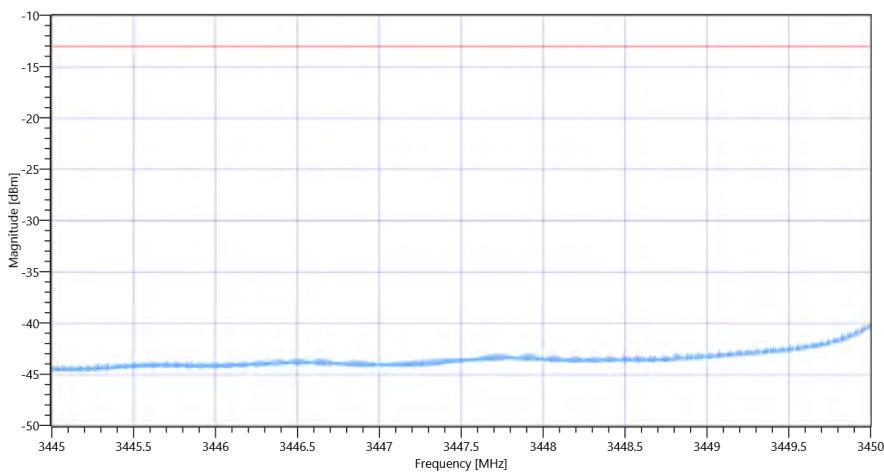
Test freq: low, UL[MHz]/CH 3470/0, CBW [MHz]: 40, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.18 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-39.52	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-40.78	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-40.93	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-41.22	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-41.51	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

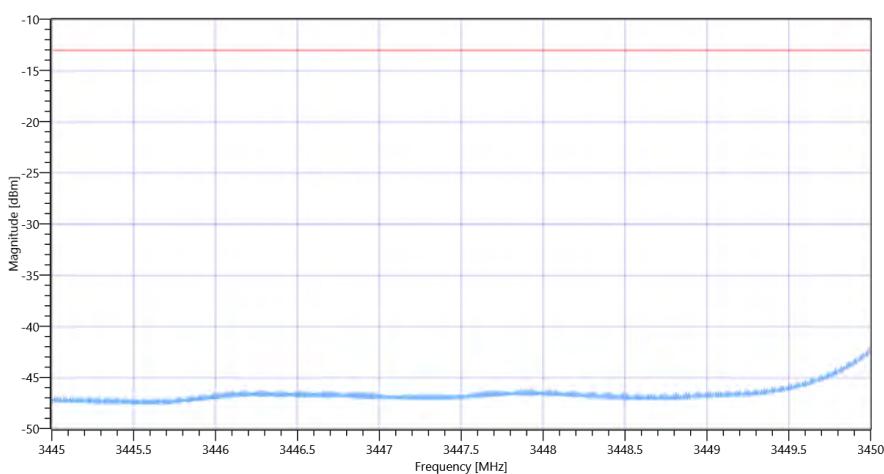
Test freq: low, UL[MHz]/CH 3470/0, CBW [MHz]: 40, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.80 0 25
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-42.62	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-44.07	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-44.02	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-43.96	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-44.5	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 14:37:06
Ambit Temp [°C] Humidity [rel%]	27.3 43
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True
Frequency mid to test	False
Frequency high to test	False
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 30

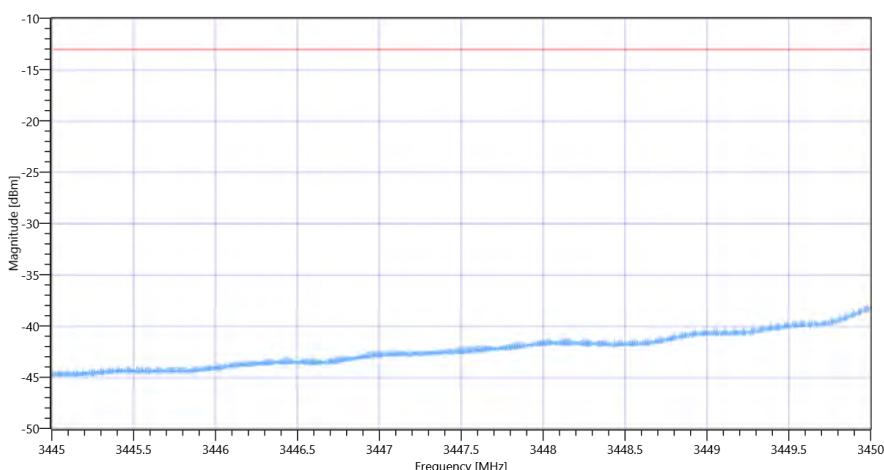
Test freq: low, UL[MHz]/CH 3465/0, CBW [MHz]: 30, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.39 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-34.93	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-36.51	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-37.4	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-38.51	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-39.46	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test freq: low, UL[MHz]/CH 3465/0, CBW [MHz]: 30, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

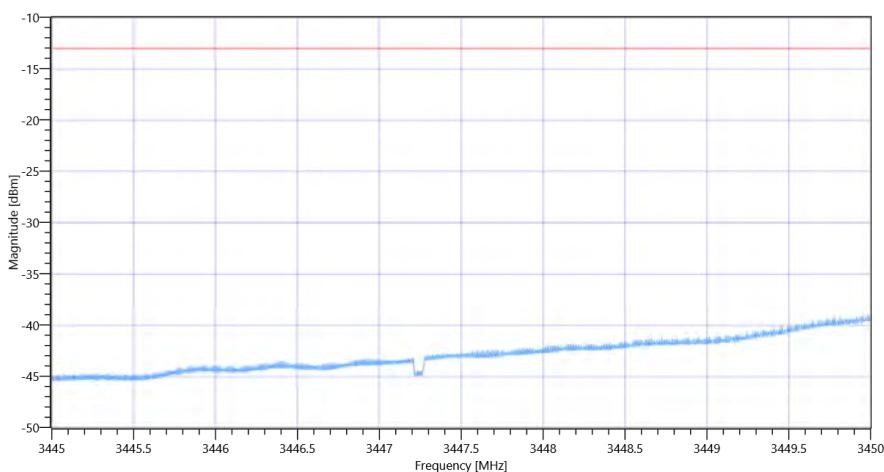
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.20 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3450.5	---	-13	-35.48	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-37.02	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-38.14	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-39.09	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-39.94	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

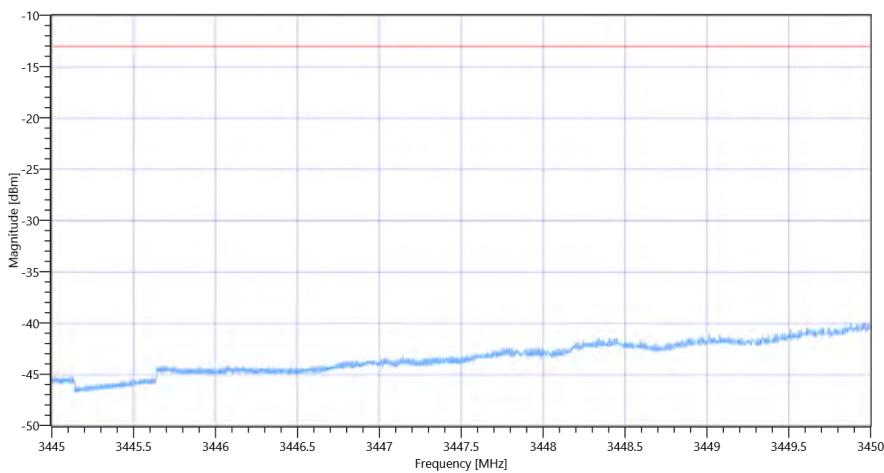
Test freq: low, UL[MHz]/CH 3465/0, CBW [MHz]: 30, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.99 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-36.29	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-37.3	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-38.46	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-39.49	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-40.49	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

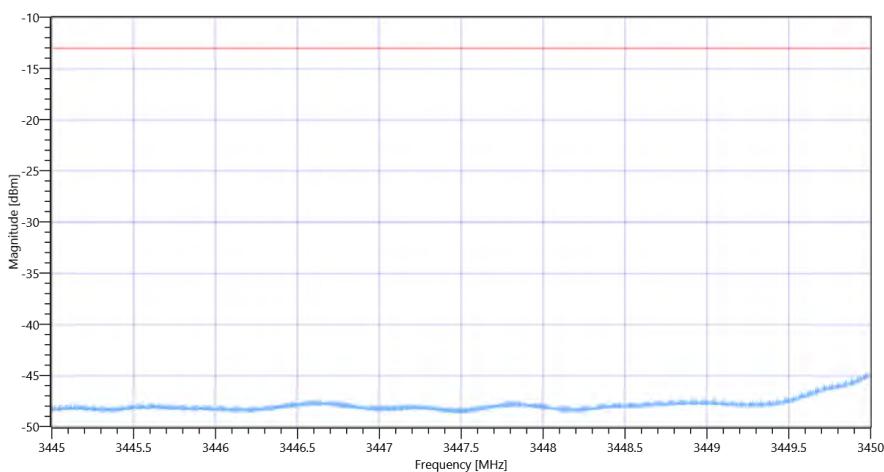
Test freq: low, UL[MHz]/CH 3465/0, CBW [MHz]: 30, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.60 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-41.94	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-43	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-43.17	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-43.09	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-43.22	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 14:11:08
Ambit Temp [°C] Humidity [rel%]	27.1 44
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True
Frequency mid to test	False
Frequency high to test	False
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 20

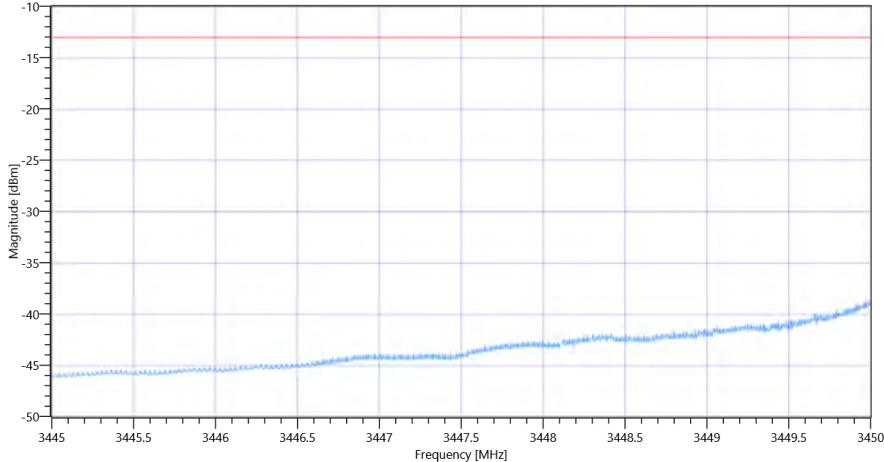
Test freq: low, UL[MHz]/CH 3460/0, CBW [MHz]: 20, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.17 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-34.02	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-35.7	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-37.01	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-38.18	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-39.02	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test freq: low, UL[MHz]/CH 3460/0, CBW [MHz]: 20, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

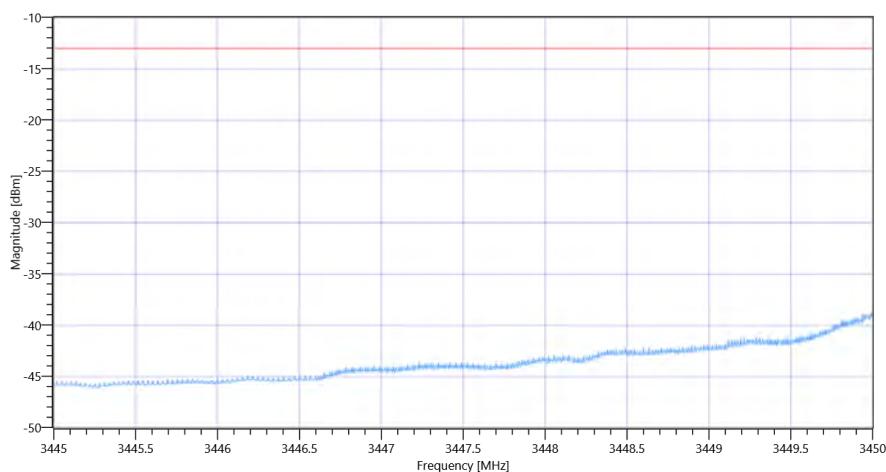
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.28 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3450.5	---	-13	-34.3	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-36.11	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-37.31	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-38.32	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-38.99	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

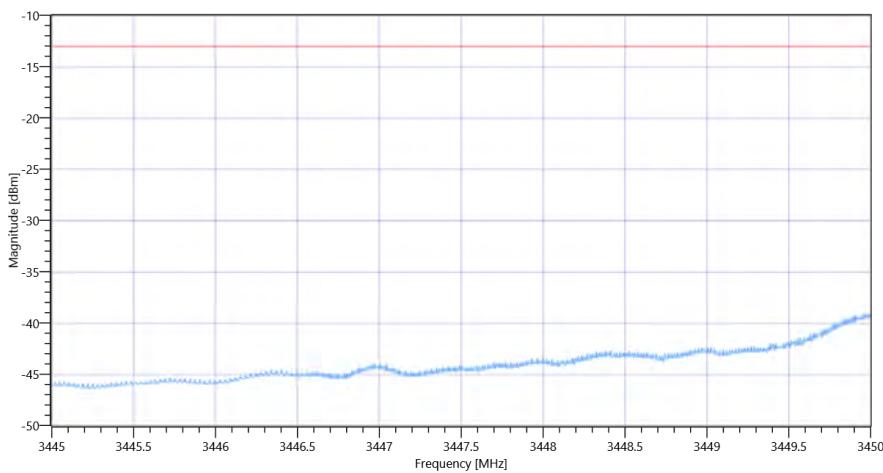
Test freq: low, UL[MHz]/CH 3460/0, CBW [MHz]: 20, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.16 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-34.75	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-36.58	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-37.72	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-38.35	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-39.19	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

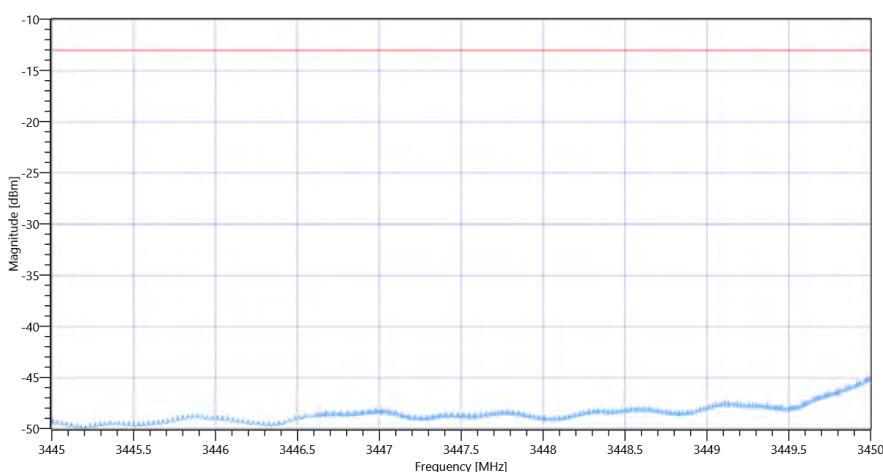
Test freq: low, UL[MHz]/CH 3460/0, CBW [MHz]: 20, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.74 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-40.45	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-41.74	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-42	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-42.23	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-42.68	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	30.06.2022 13:46:10
Ambit Temp [°C] Humidity [rel%]	27.0 45
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True
Frequency mid to test	False
Frequency high to test	False
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 10

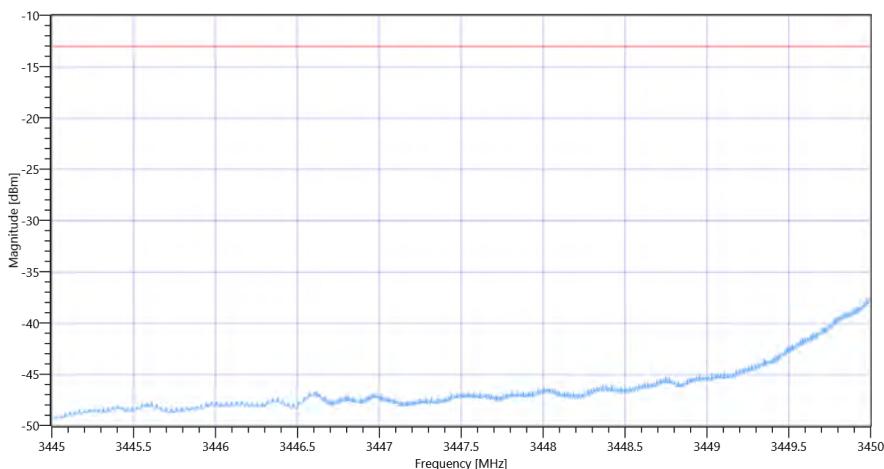
Test freq: low, UL[MHz]/CH 3455/0, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.11 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	--	-13	-31.96	dBm	PASS
Frequency [MHz] 3451.5	--	-13	-36.59	dBm	PASS
Frequency [MHz] 3452.5	--	-13	-37.6	dBm	PASS
Frequency [MHz] 3453.5	--	-13	-37.93	dBm	PASS
Frequency [MHz] 3454.5	--	-13	-38.73	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

Test freq: low, UL[MHz]/CH 3455/0, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

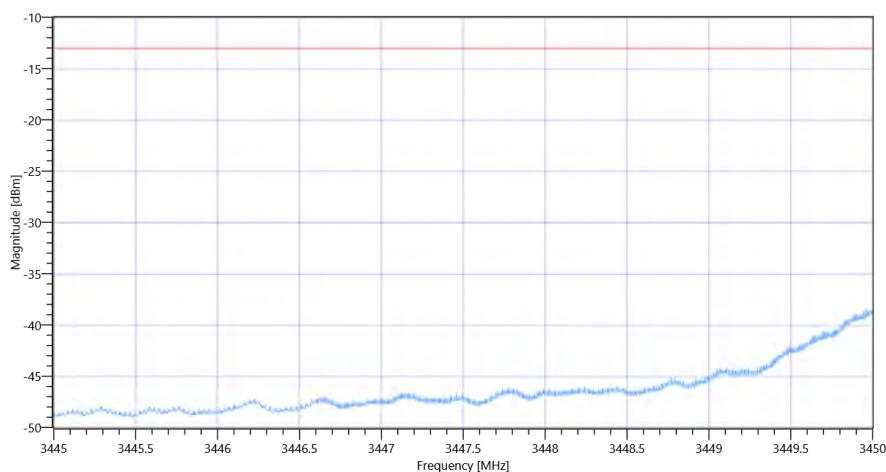
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.87 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3450.5	---	-13	-32.25	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-36.53	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-37.39	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-38.12	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-38.77	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

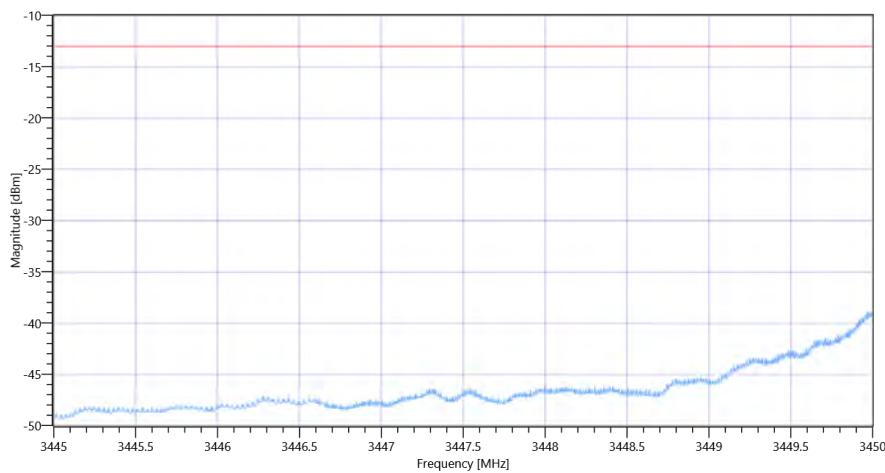
Test freq: low, UL[MHz]/CH 3455/0, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.28 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-32.83	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-36.73	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-37.49	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-38.16	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-38.79	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

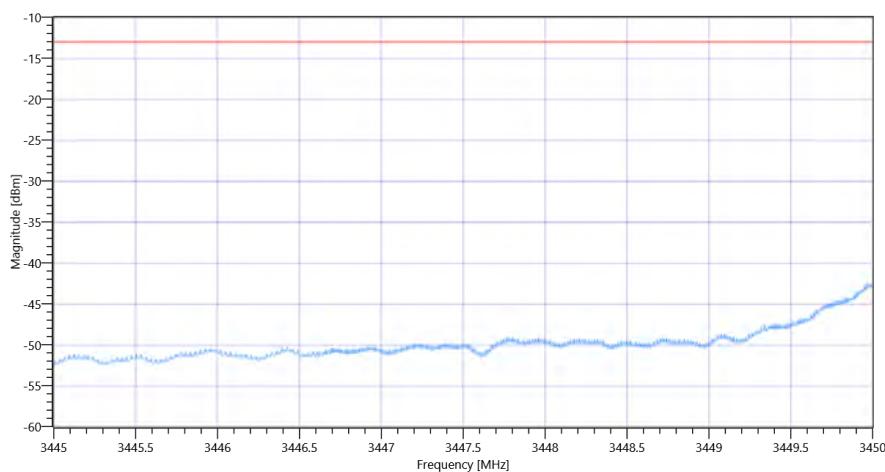
Test freq: low, UL[MHz]/CH 3455/0, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.43 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3450.5	---	-13	-36.73	dBm	PASS
Frequency [MHz] 3451.5	---	-13	-40.12	dBm	PASS
Frequency [MHz] 3452.5	---	-13	-40.47	dBm	PASS
Frequency [MHz] 3453.5	---	-13	-41.29	dBm	PASS
Frequency [MHz] 3454.5	---	-13	-41.87	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

Test References

TC Start	26.06.2022 12:24:50
Ambit Temp [°C] Humidity [rel%]	25.1 52
System Version	3.1.1.3
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	False
Frequency high to test	True
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 10

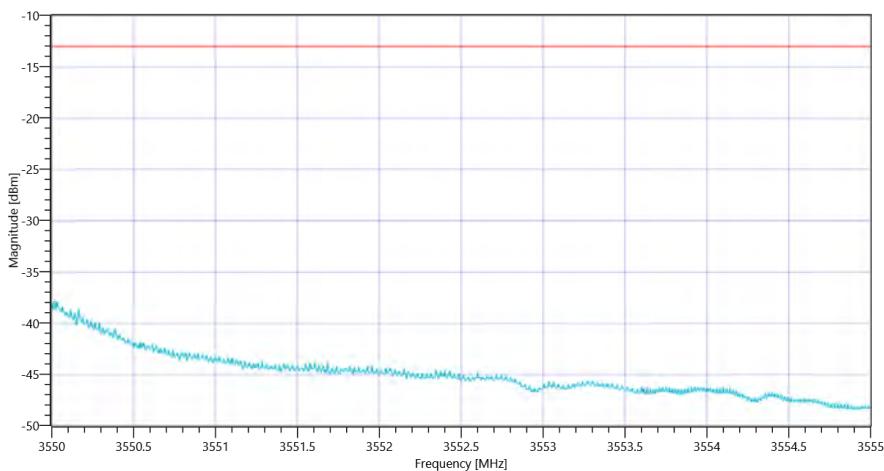
Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.51 0 35
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-31.5	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-34.59	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-35.62	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-36.62	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-37.72	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

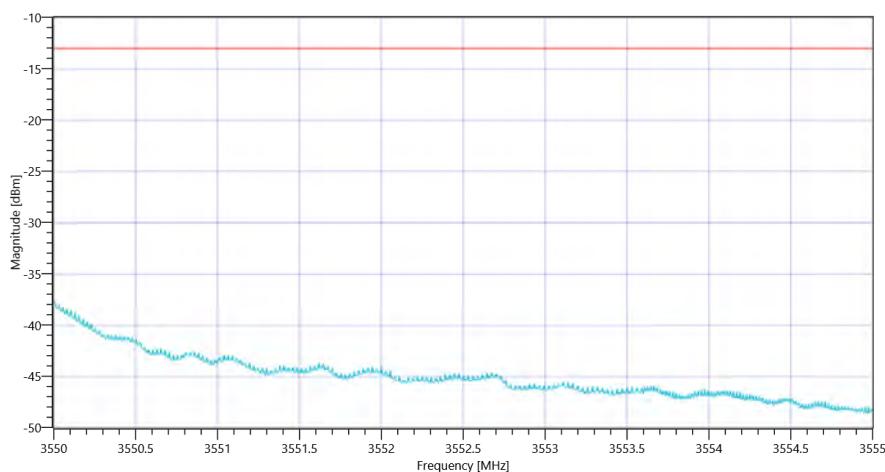
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.37 0 35
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT upper band

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3550.5	---	-13	-31.52	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-34.57	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-35.68	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-36.74	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-37.79	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

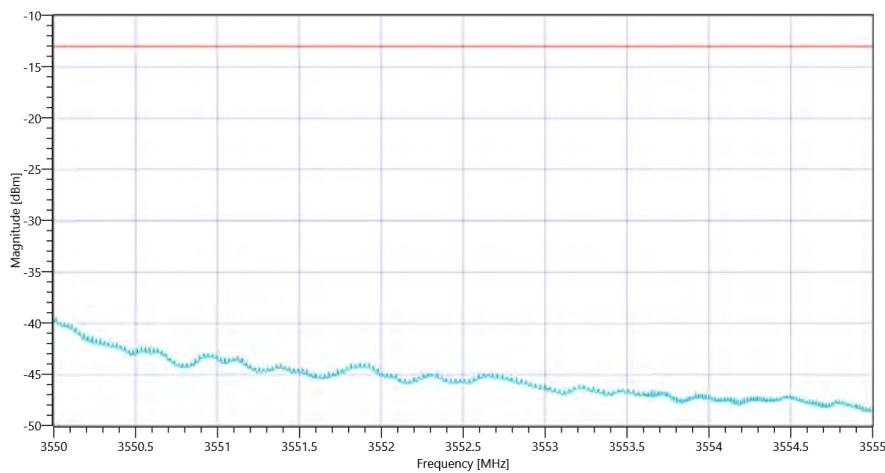
Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.18 0 35
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-32.57	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-34.74	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-35.81	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-37.14	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-37.96	dBm	PASS



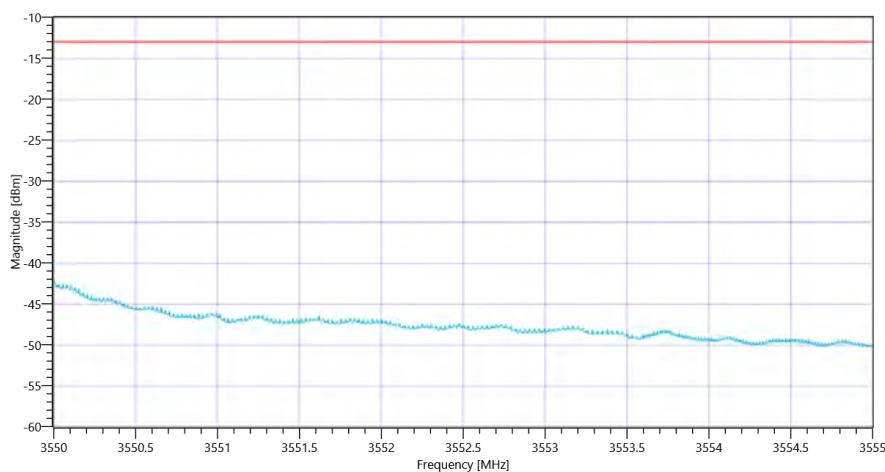
Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.74 0 35
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-35.26	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-37.33	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-38.17	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-38.9	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-39.93	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

Test References

TC Start	26.06.2022 11:17:34
Ambit Temp [°C] Humidity [rel%]	25.1 52
System Version	3.1.1.3
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	False
Frequency high to test	True
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 20

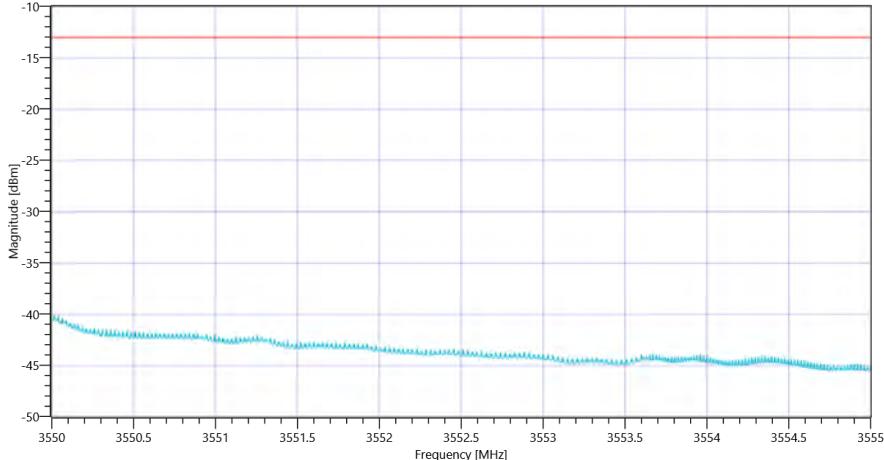
Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.56 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-35.15	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-36.23	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-37.19	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-37.8	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-38.21	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

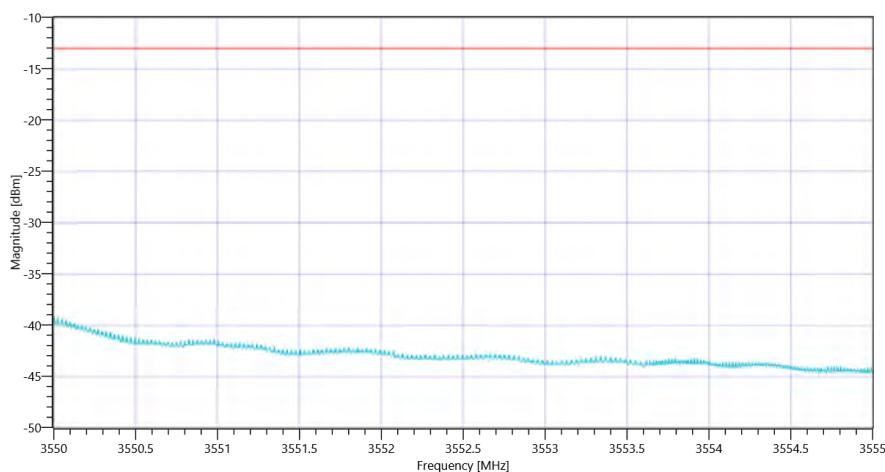
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.52 0 35
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT upper band

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3550.5	---	-13	-34.46	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-35.73	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-36.48	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-36.91	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-37.43	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

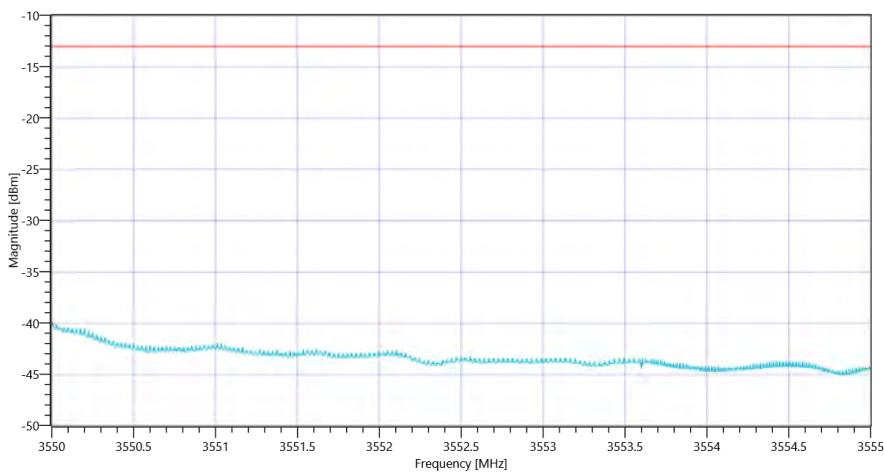
Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.51 0 35
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-35.17	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-36.24	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-36.88	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-37.23	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-37.69	dBm	PASS



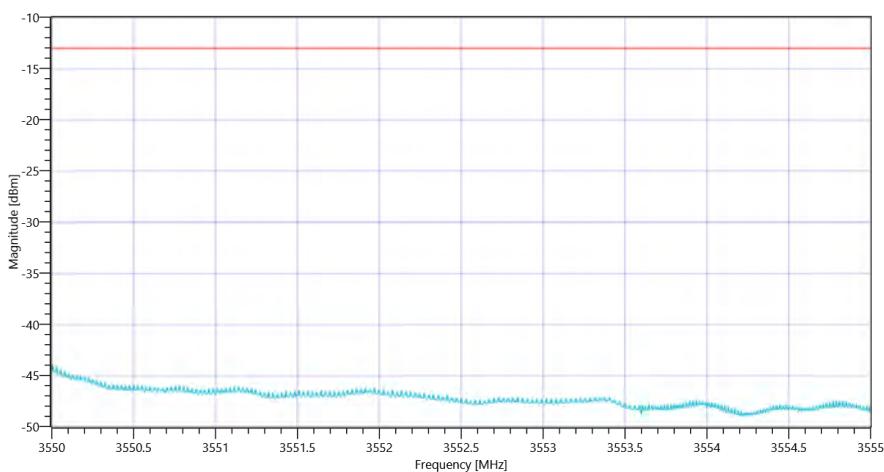
Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.97 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-39.27	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-40.02	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-40.57	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-41.05	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-41.5	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

Test References

TC Start	26.06.2022 10:30:49
Ambit Temp [°C] Humidity [rel%]	24.8 53
System Version	3.1.1.3
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	False
Frequency high to test	True
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 30

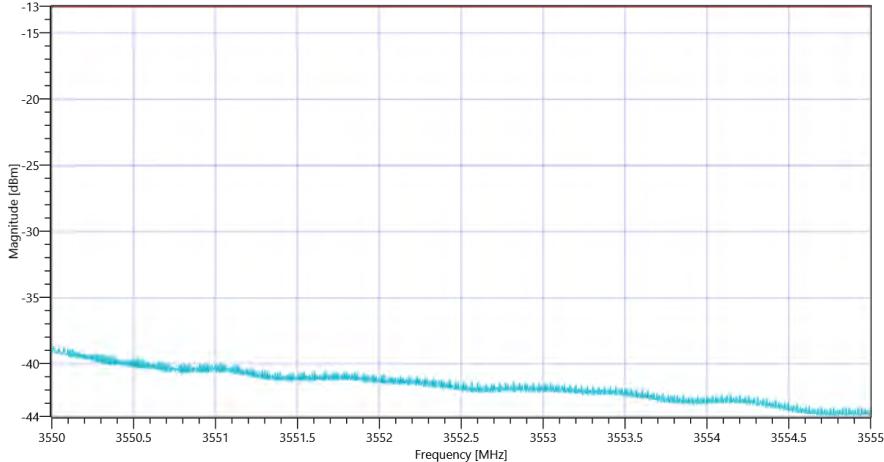
Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.65 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-34.94	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-35.96	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-36.7	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-37.36	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-38.31	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

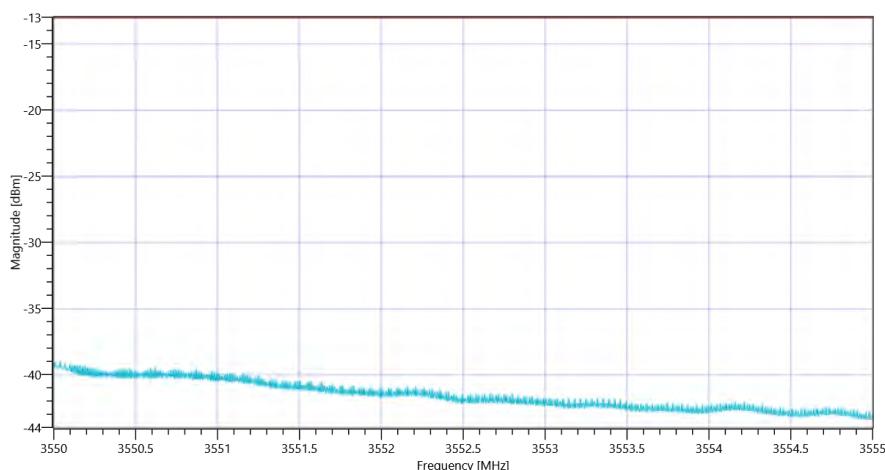
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.81 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					

RESULT upper band

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3550.5	---	-13	-34.96	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-35.91	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-36.77	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-37.46	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-37.85	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

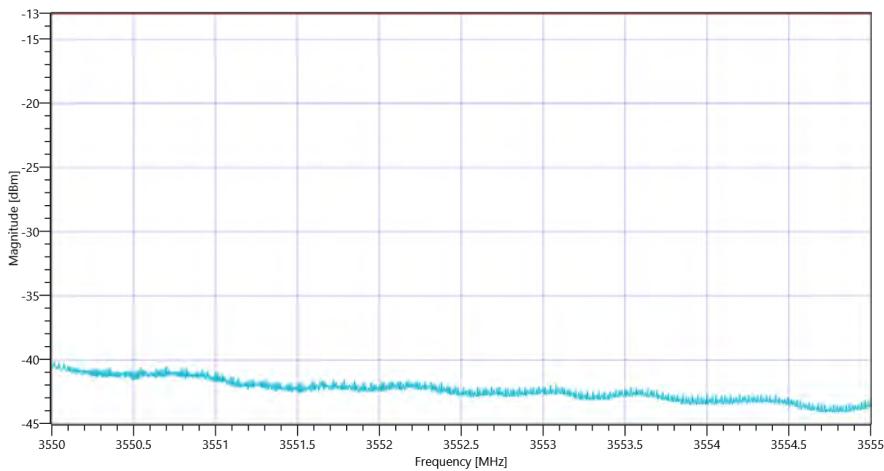
Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.39 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-36.12	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-37.11	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-37.44	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-37.87	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-38.5	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

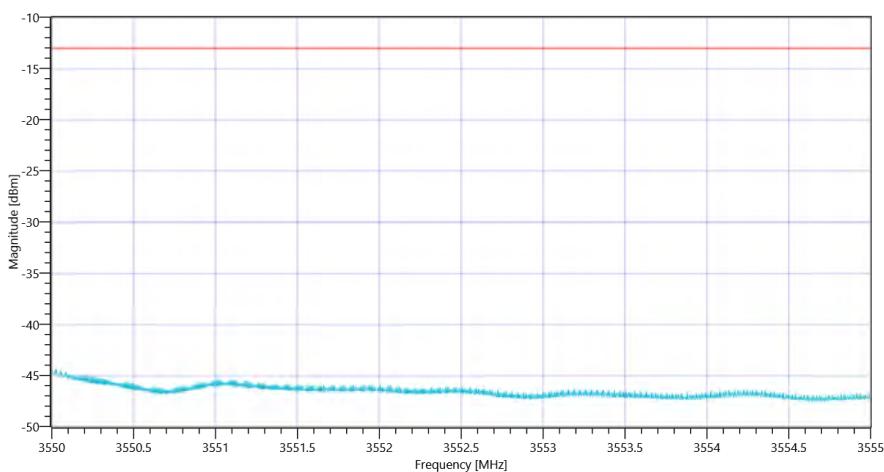
Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.88 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-40.89	dBm	PASS
Frequency [MHz] 3551.5	---	-13	-41.22	dBm	PASS
Frequency [MHz] 3552.5	---	-13	-41.71	dBm	PASS
Frequency [MHz] 3553.5	---	-13	-41.98	dBm	PASS
Frequency [MHz] 3554.5	---	-13	-42.08	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

Test References

TC Start	26.06.2022 09:54:25
Ambit Temp [°C] Humidity [rel%]	24.8 53
System Version	3.1.1.3
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_77_A
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	CPOFDM
Antenna Port used	2
Temperature	nom
Voltage	nom
Frequency low to test	False
Frequency mid to test	False
Frequency high to test	True
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 40

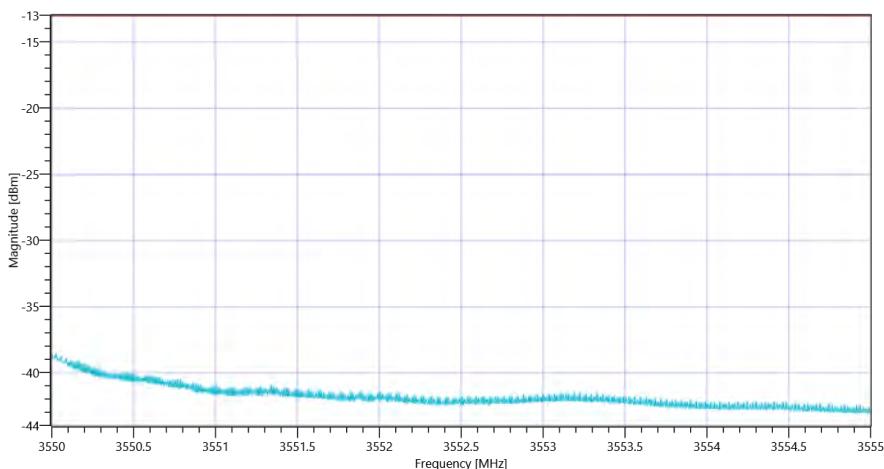
Test freq: high, UL[MHz]/CH 3530/0, CBW [MHz]: 40, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.08 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-37.54	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-38.89	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-39.36	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-39.43	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-39.93	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

Test freq: high, UL[MHz]/CH 3530/0, CBW [MHz]: 40, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.03 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT upper band

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					