

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

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EUT Information

EUT DEFINITION	
Manufacturer	Sagemcom Broadband SAS
Type	Fast 5688W
Serial Number	DM2205259000045
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

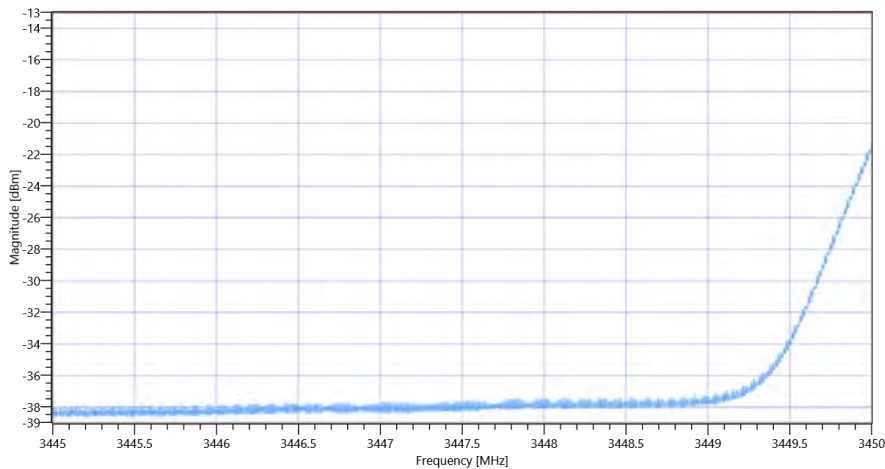
Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: QPSK

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:

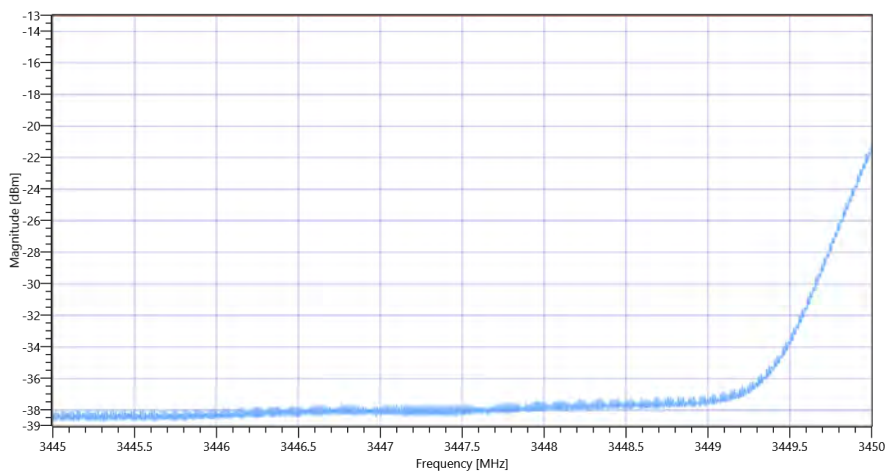
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.97 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

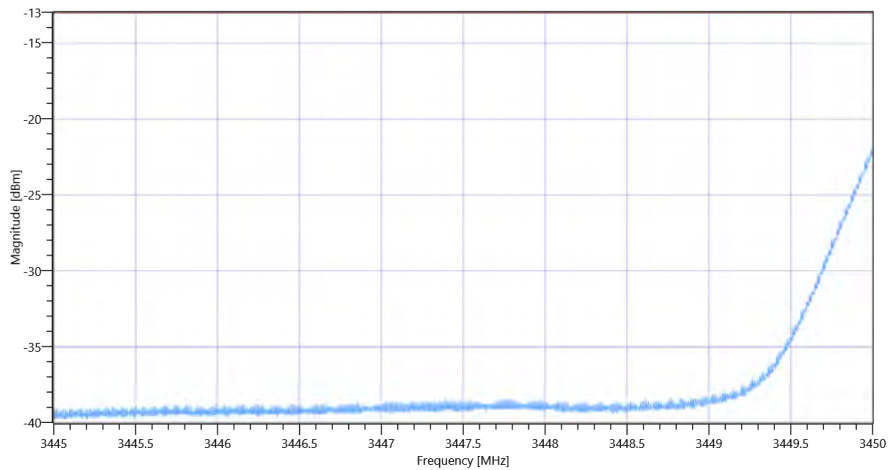
Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: 64QAM

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



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

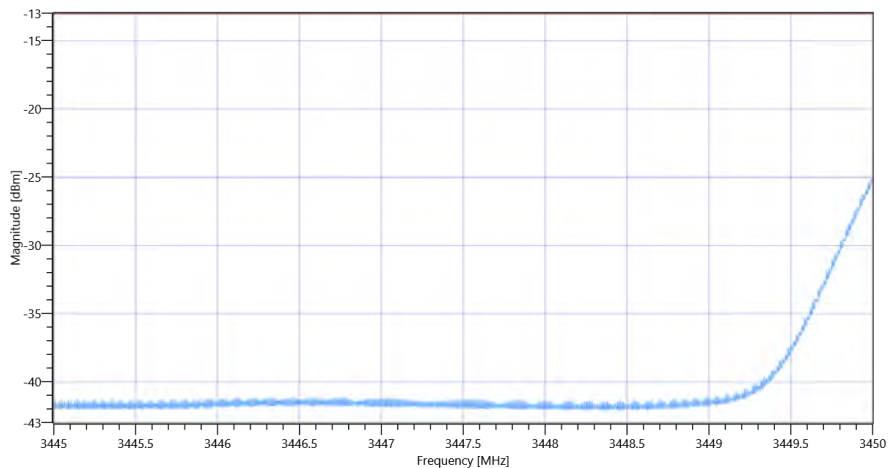
Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: 256QAM

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

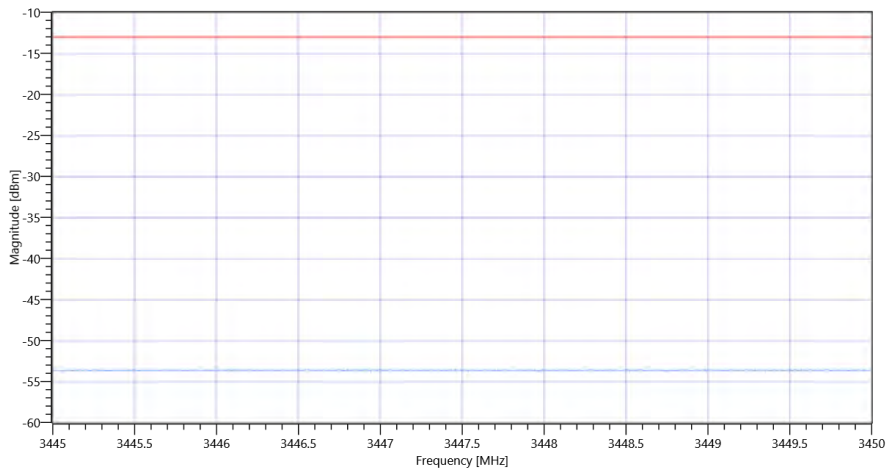
Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	

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



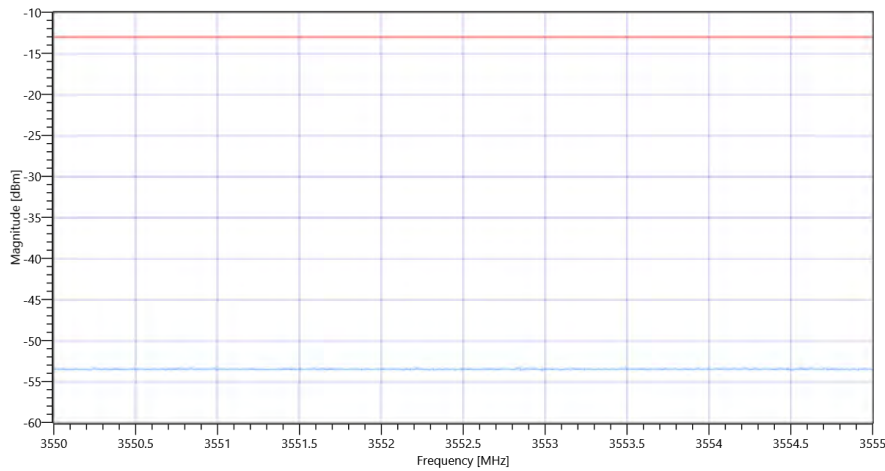
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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

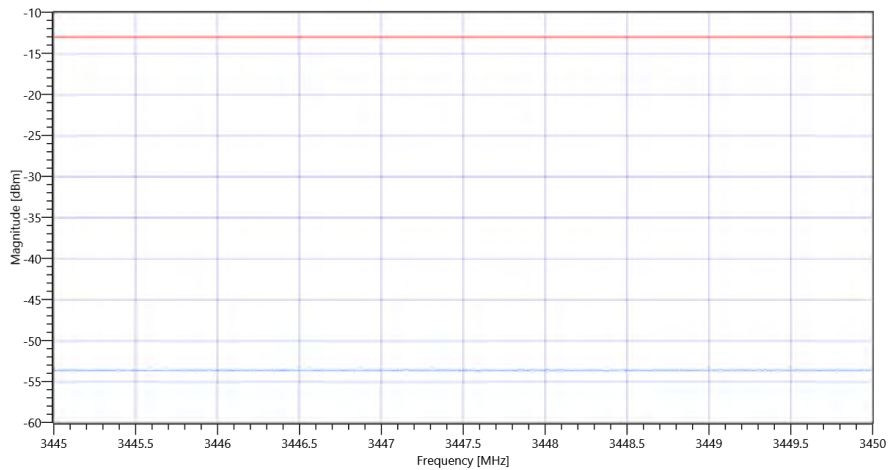
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

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



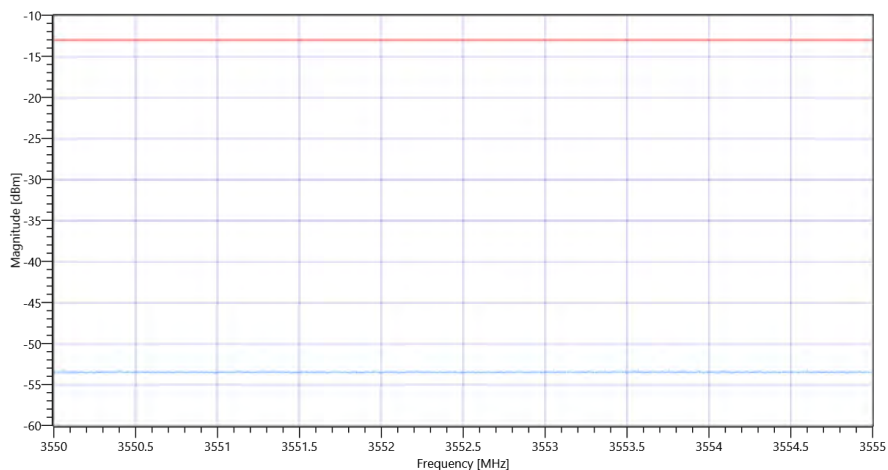
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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

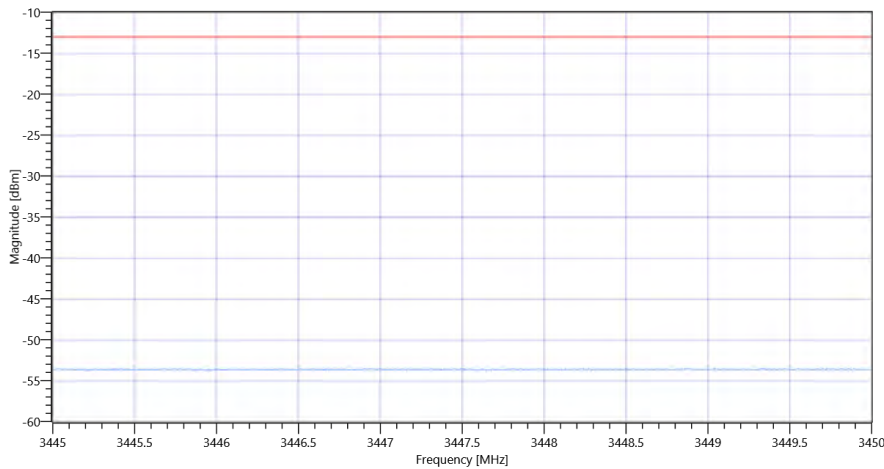
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

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:

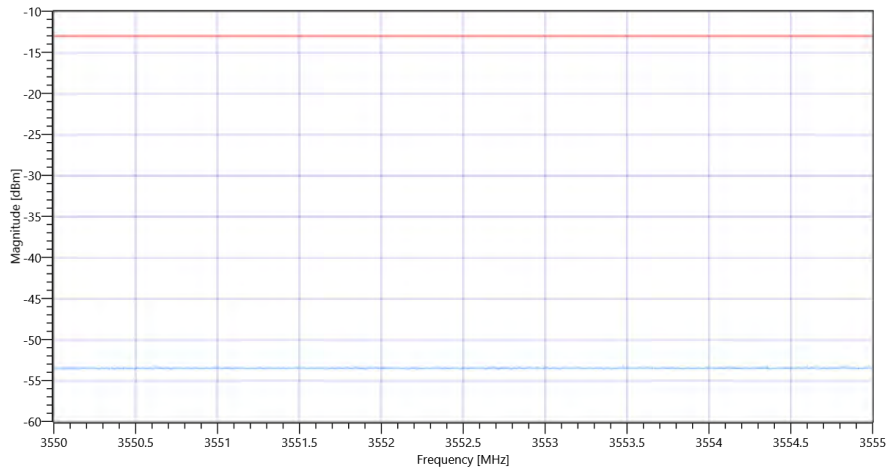
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.51 0 35
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

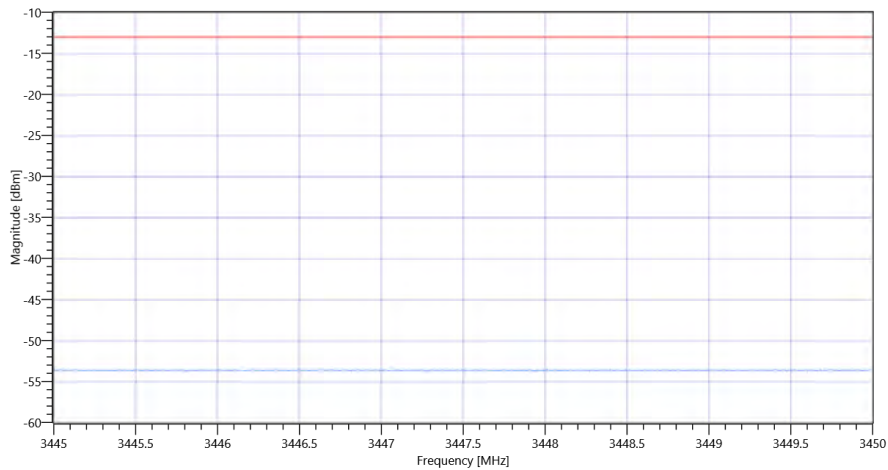
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

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



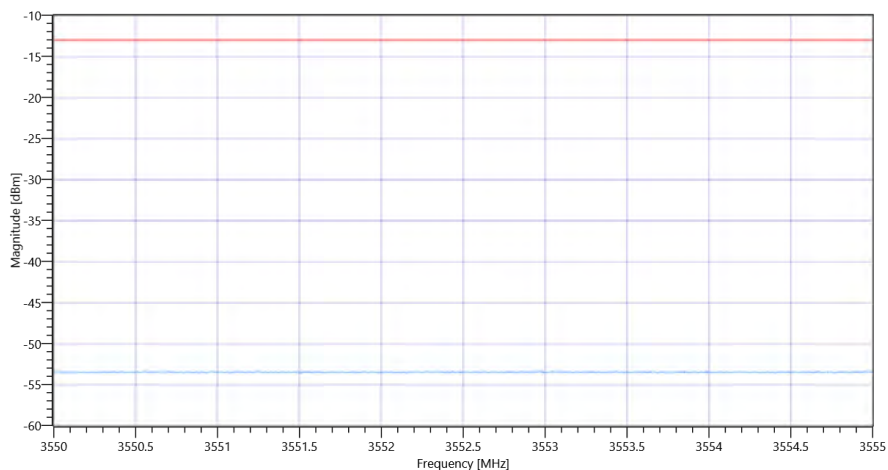
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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

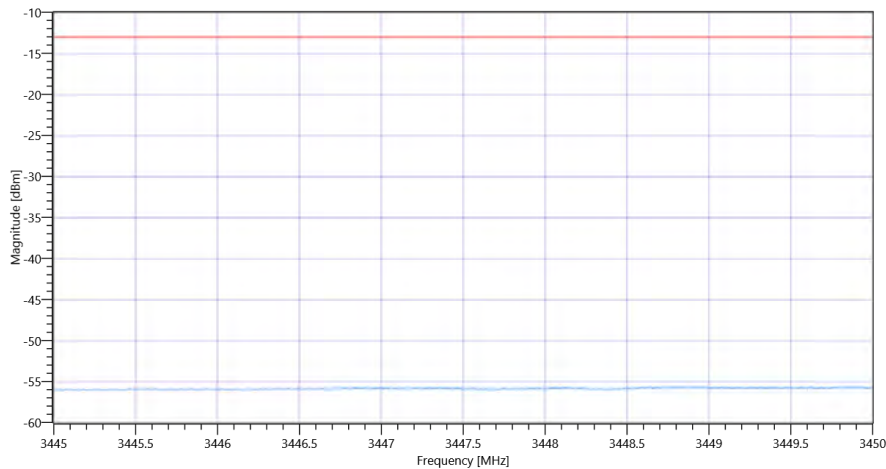
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 20, RB_100PCT, Mod: QPSK

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:

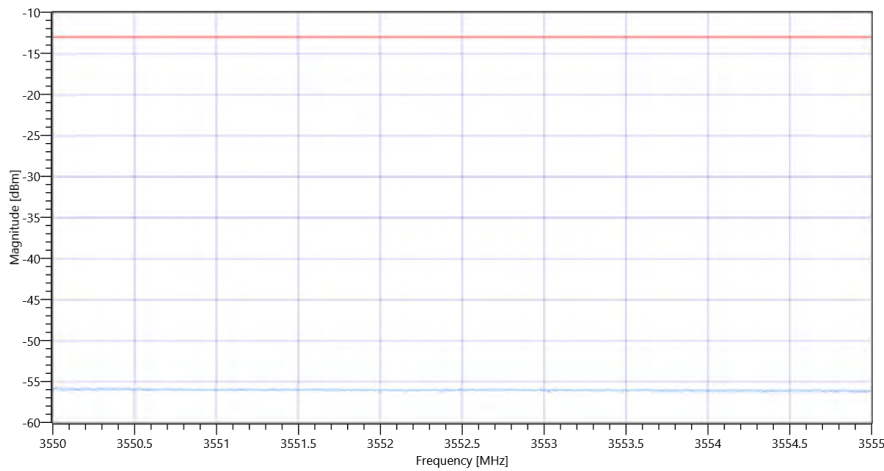
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.42 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

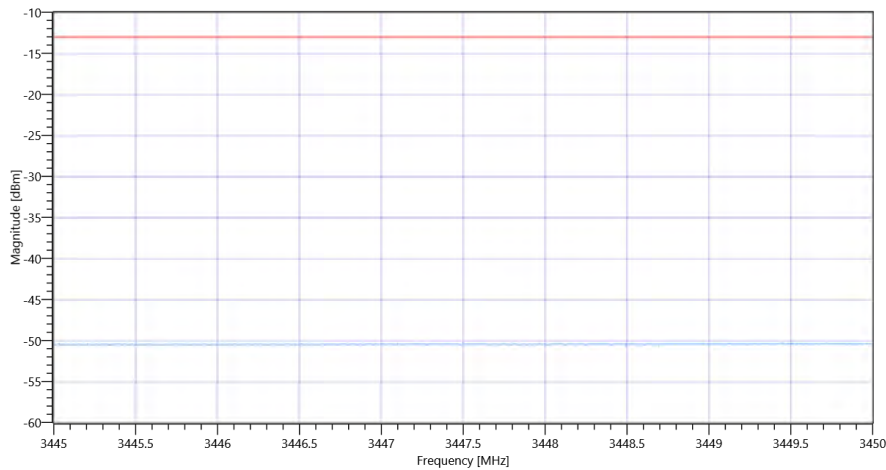
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 20, RB_100PCT, Mod: 16QAM

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



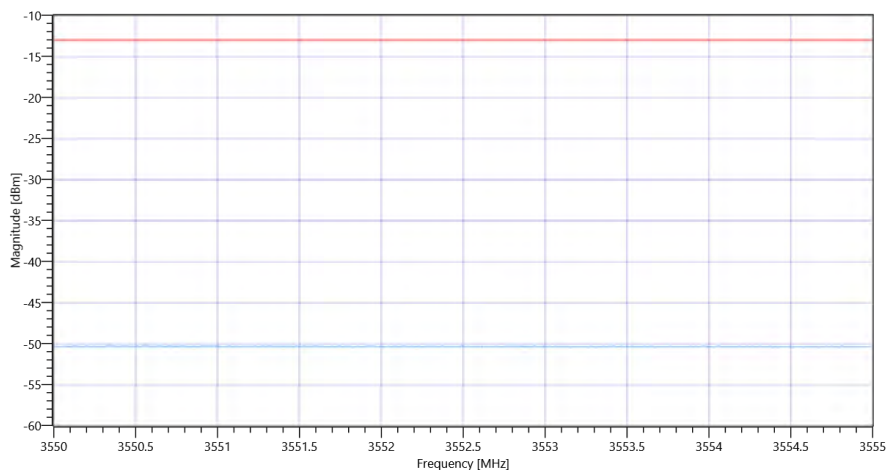
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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

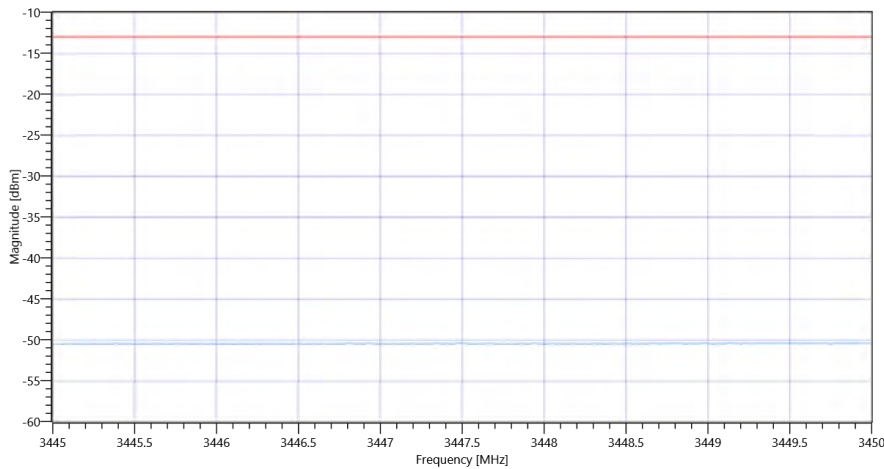
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 20, RB_100PCT, Mod: 64QAM

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:

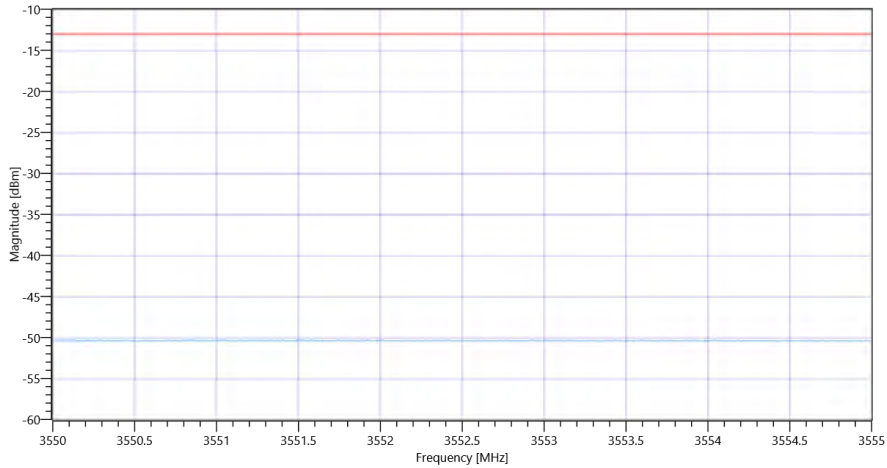
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.12 0 35
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

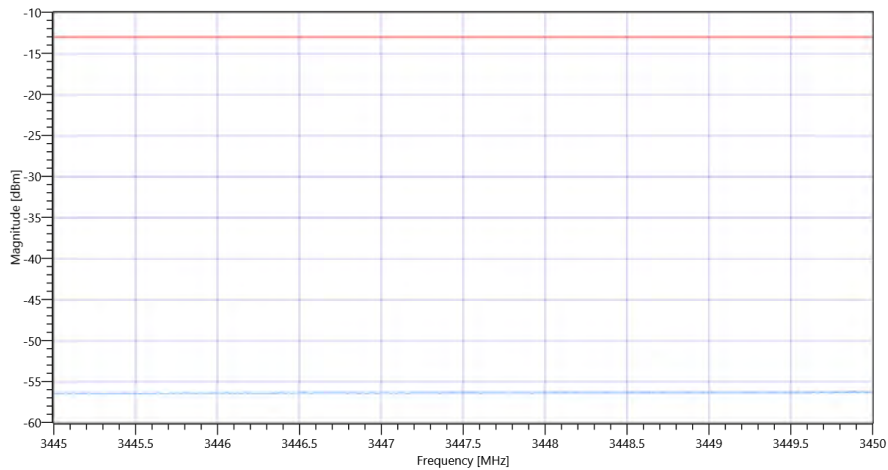
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 20, RB_100PCT, Mod: 256QAM

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



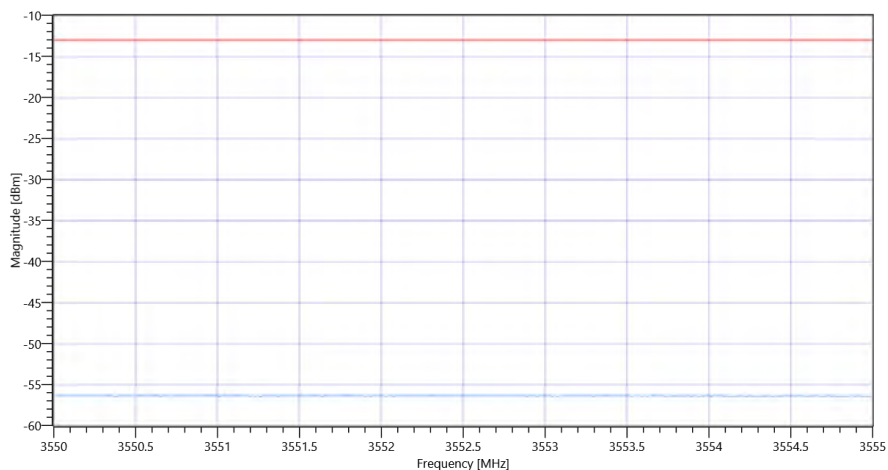
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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

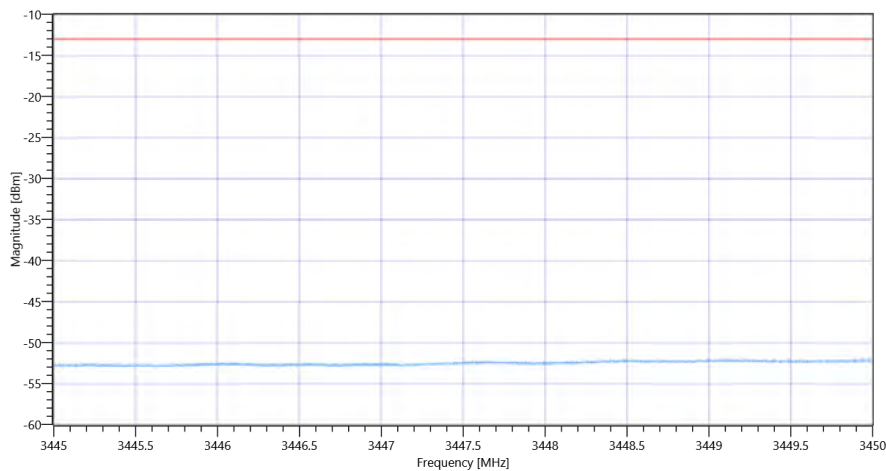
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 30, RB_100PCT, Mod: QPSK

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:

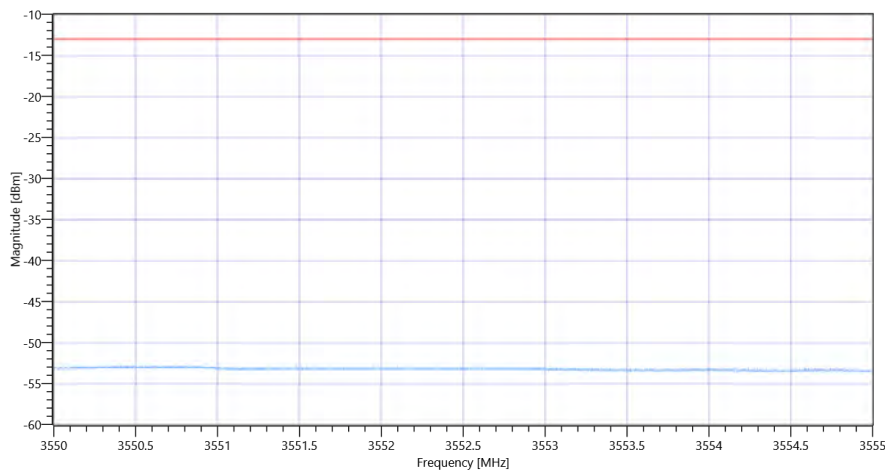
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.02 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

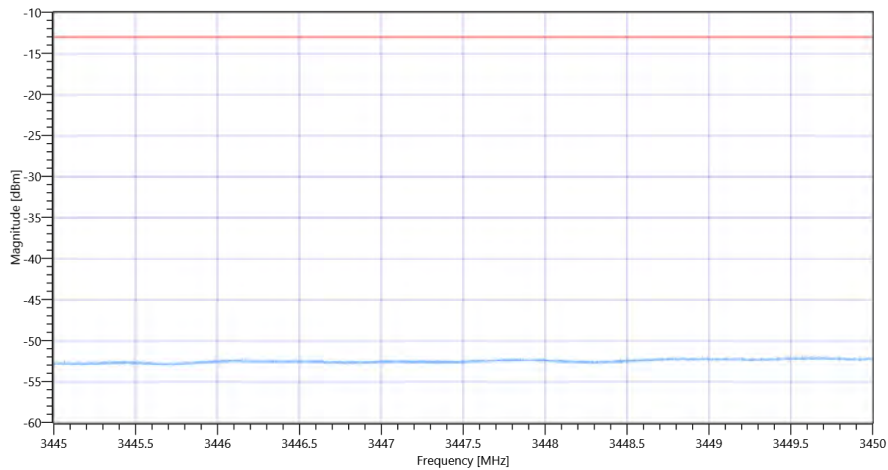
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 30, RB_100PCT, Mod: 16QAM

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



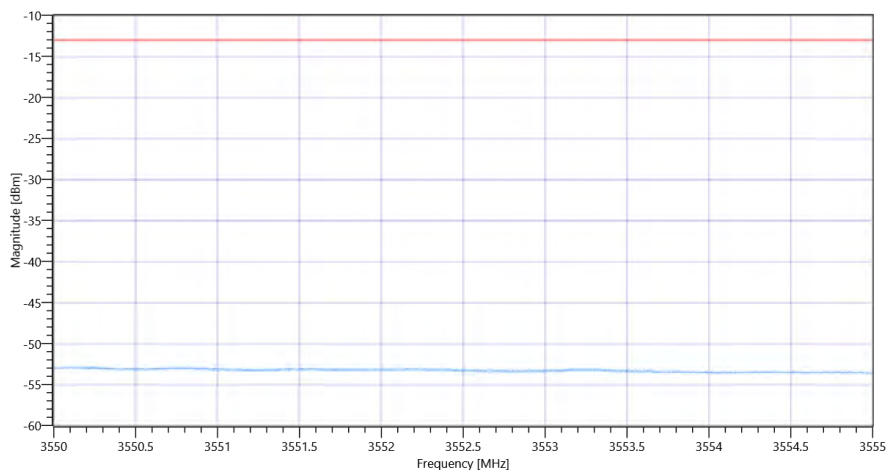
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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

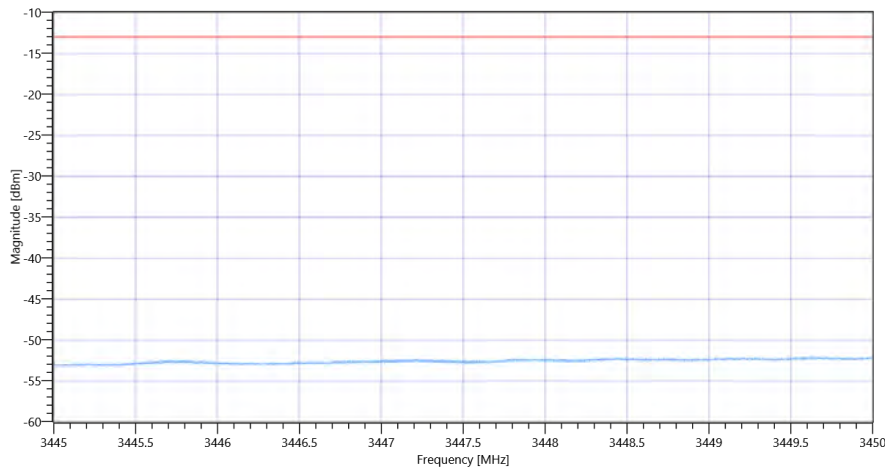
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 30, RB_100PCT, Mod: 64QAM

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:

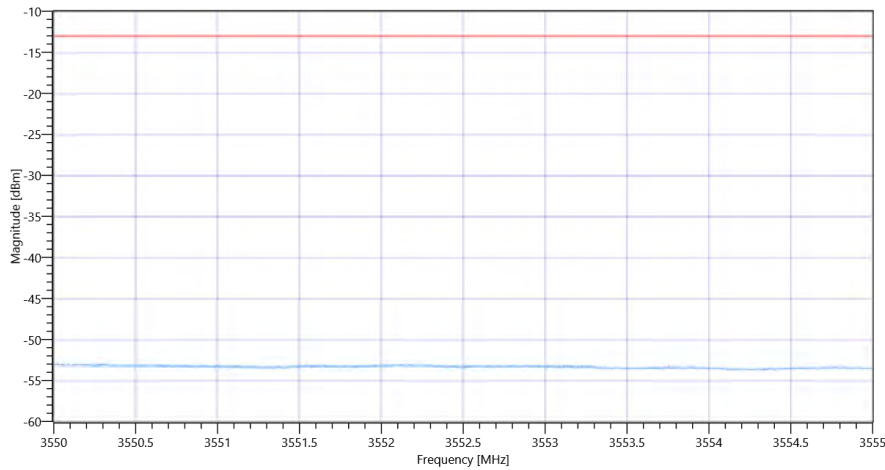
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.82 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

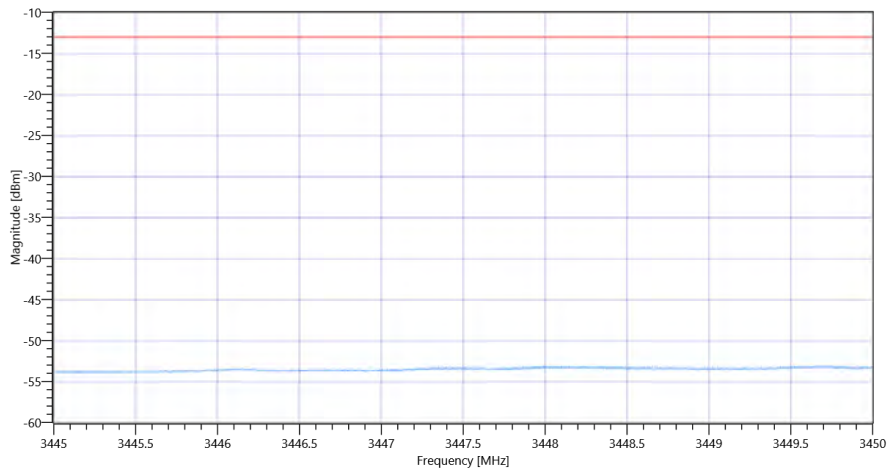
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 30, RB_100PCT, Mod: 256QAM

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



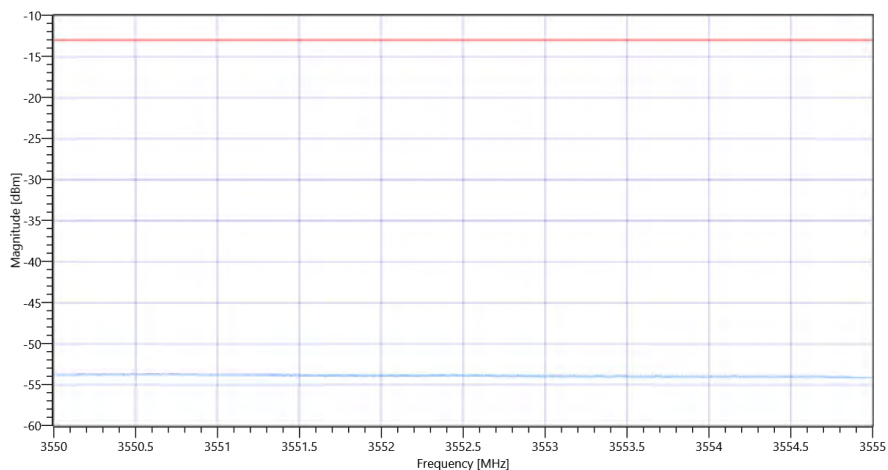
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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



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 01:14:02
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

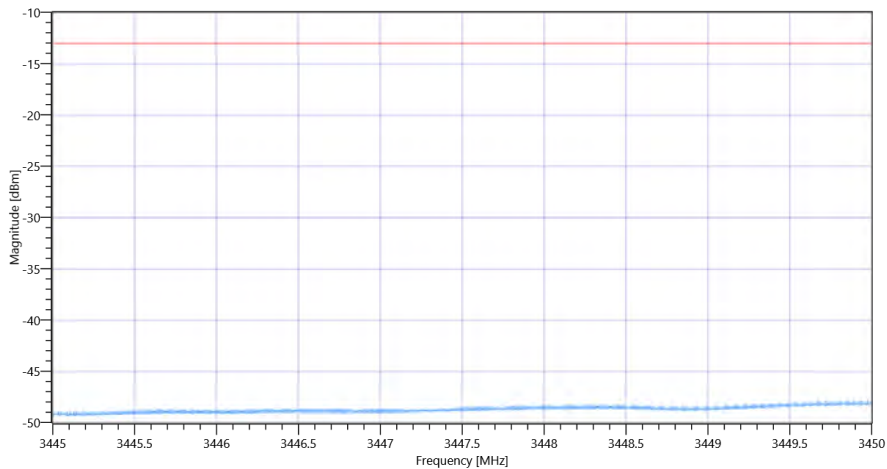
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB_100PCT, Mod: QPSK

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:

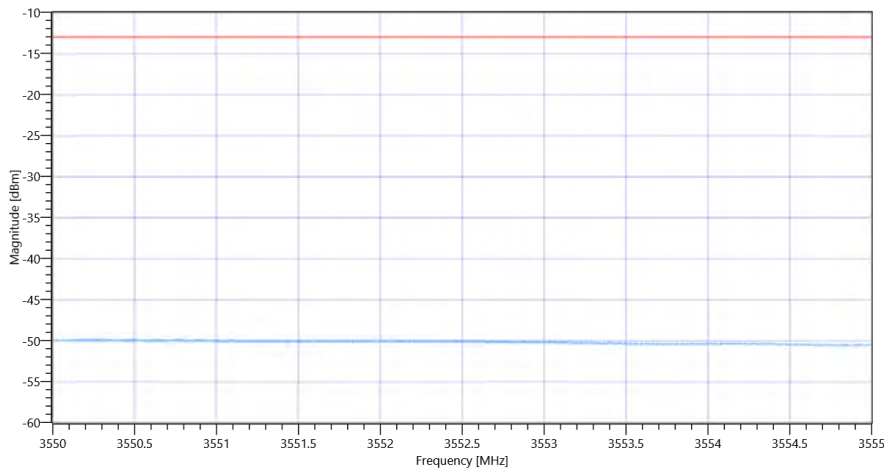
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.84 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

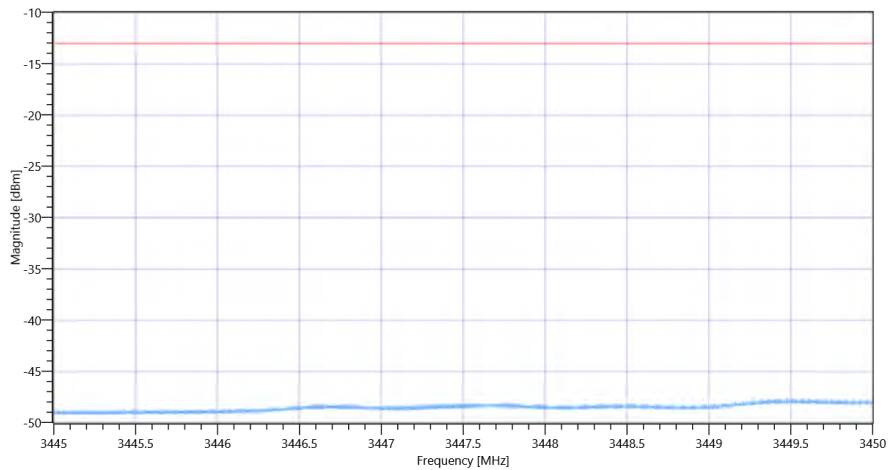
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB_100PCT, Mod: 16QAM

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



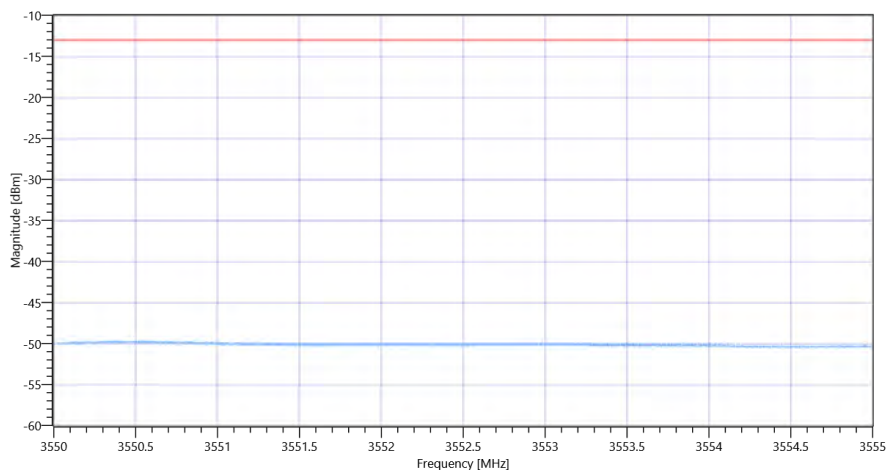
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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



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

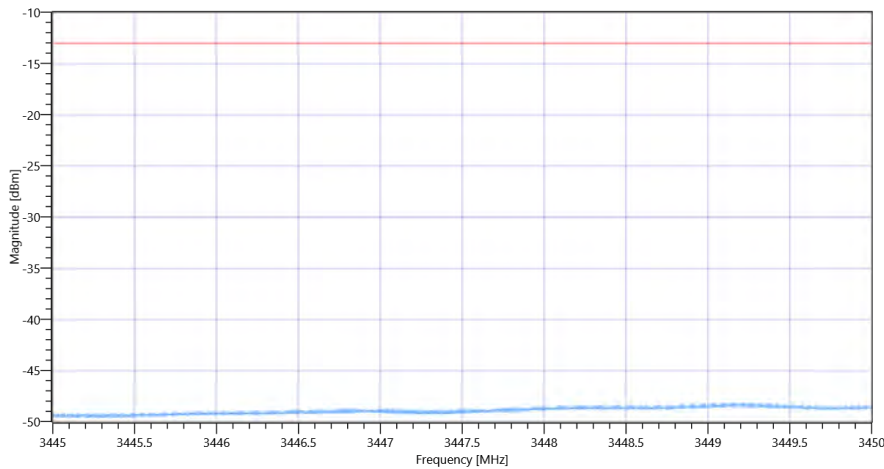
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB_100PCT, Mod: 64QAM

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:

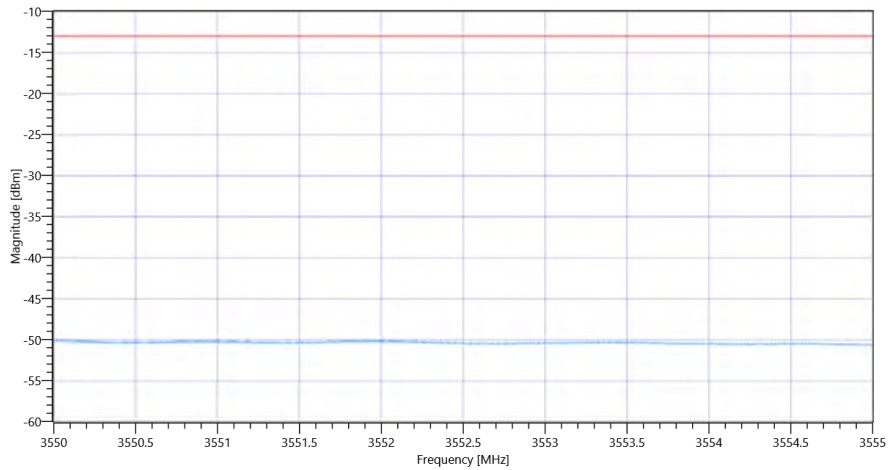
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.42 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

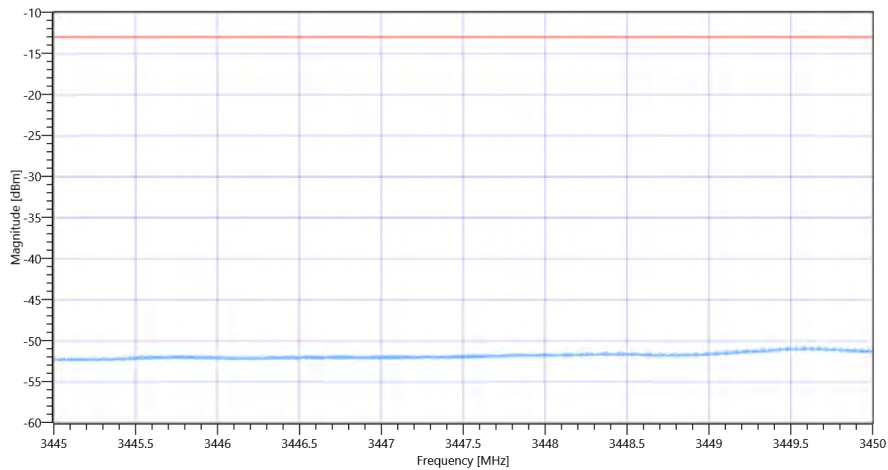
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB_100PCT, Mod: 256QAM

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



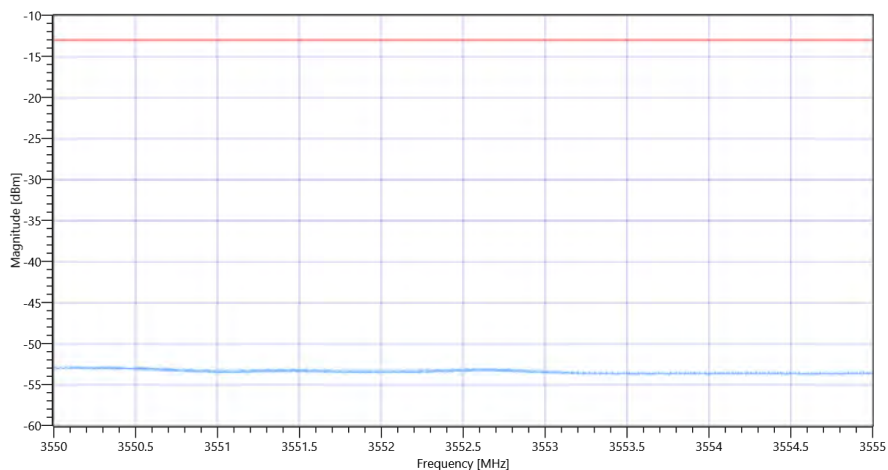
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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



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 00:46:55
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

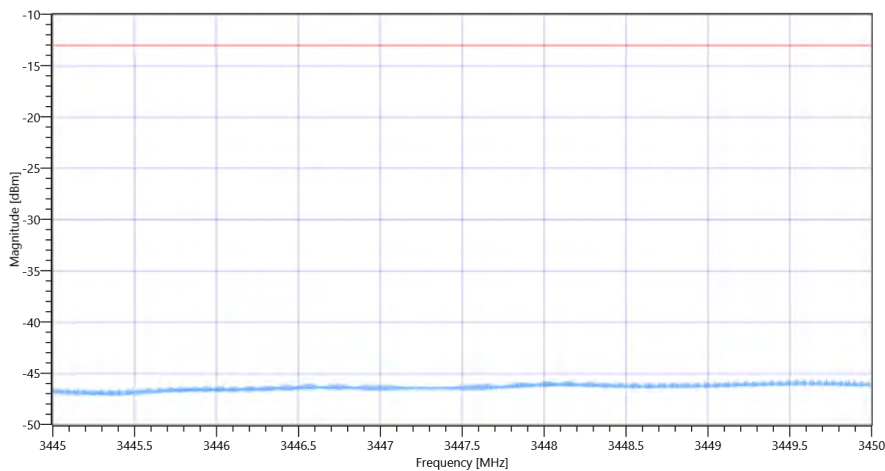
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB_100PCT, Mod: QPSK

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:

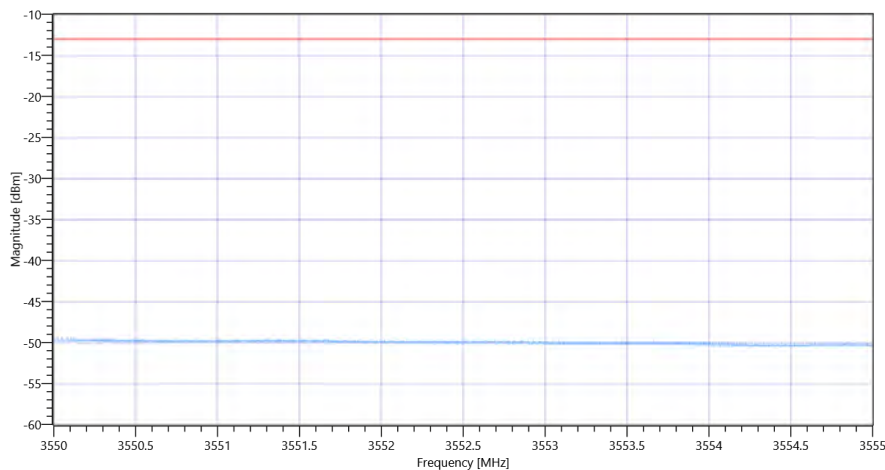
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.00 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

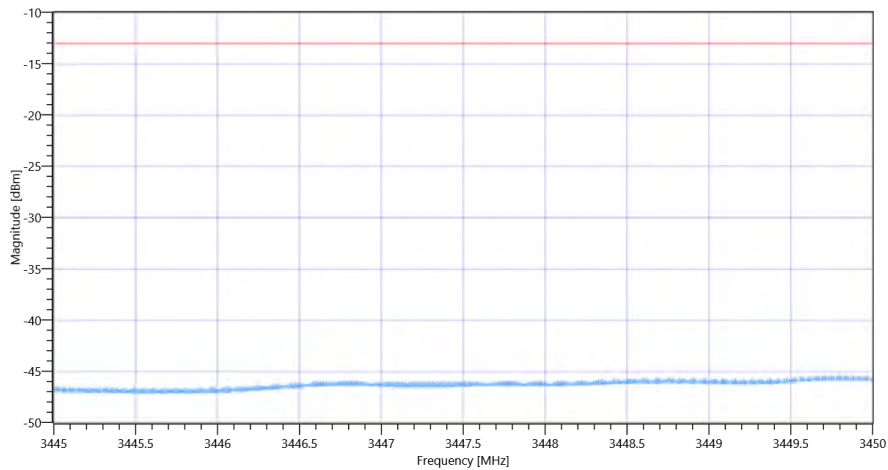
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB_100PCT, Mod: 16QAM

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



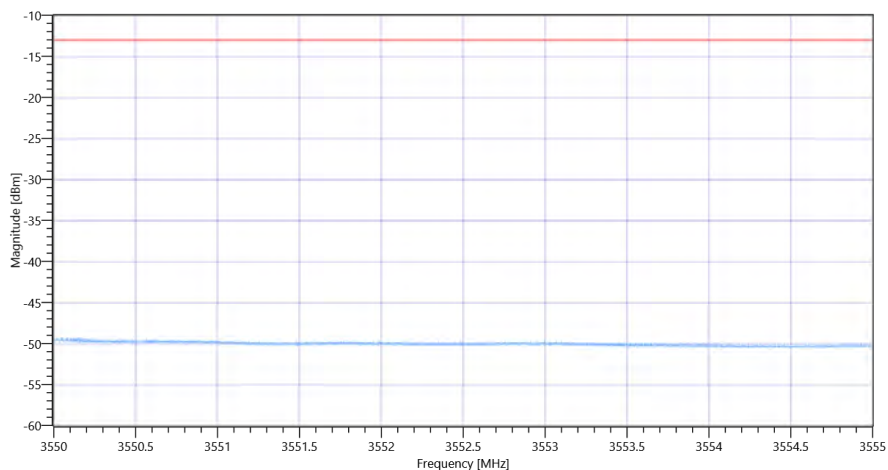
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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

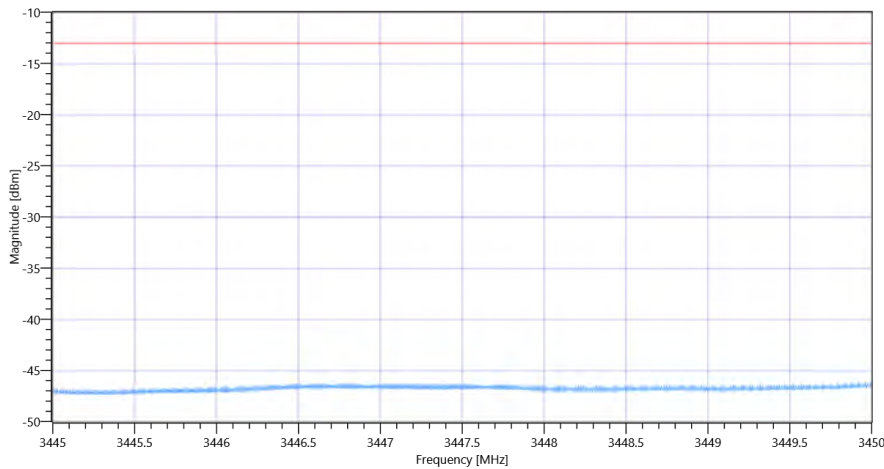
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB_100PCT, Mod: 64QAM

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:

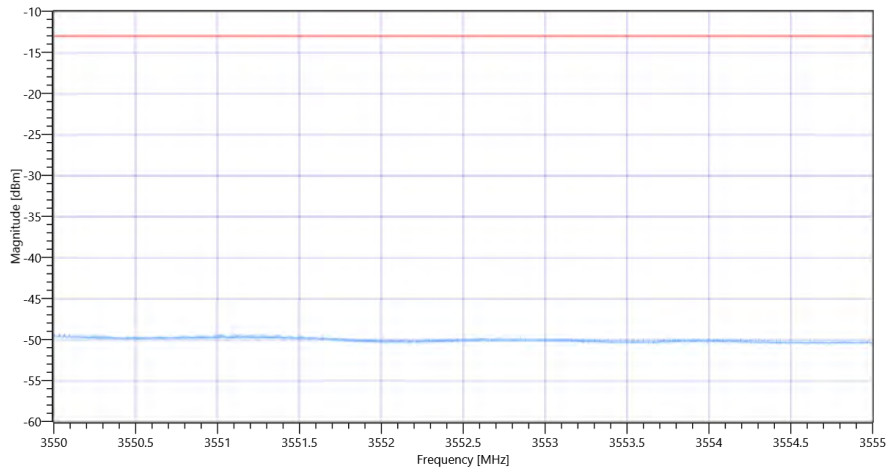
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.08 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

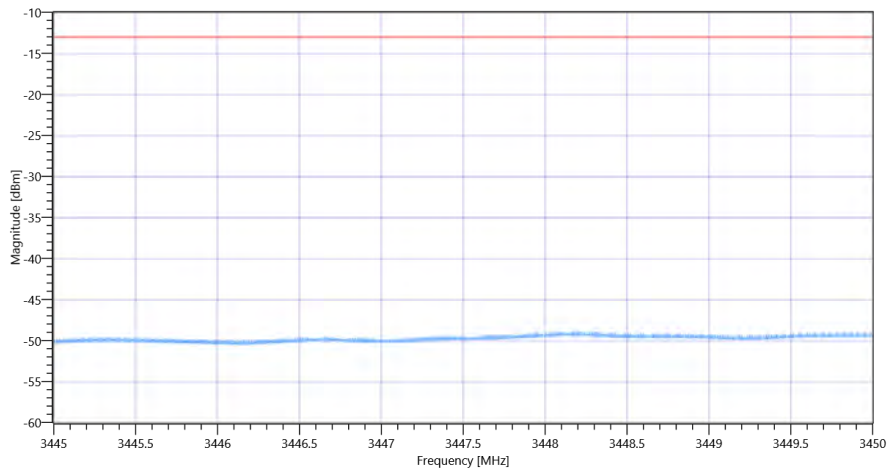
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB_100PCT, Mod: 256QAM

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



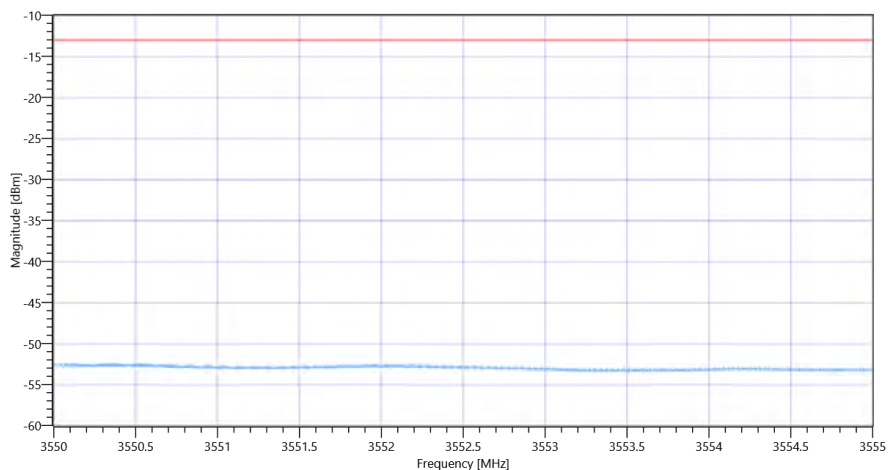
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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

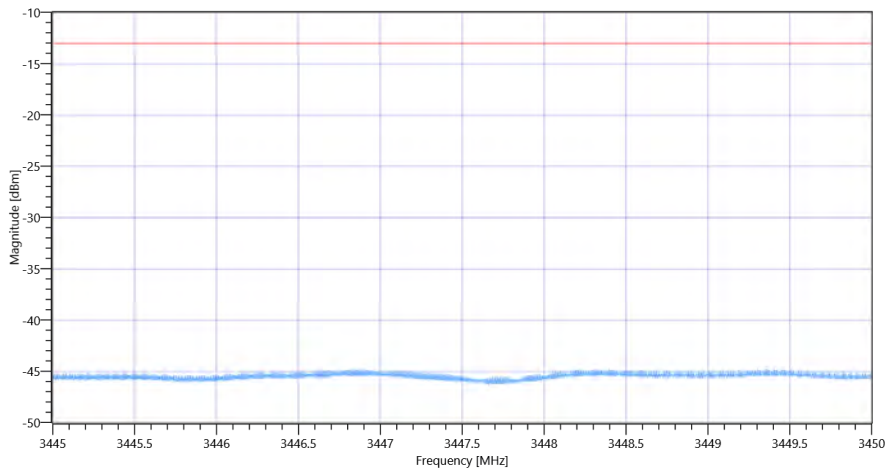
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB_100PCT, Mod: QPSK

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:

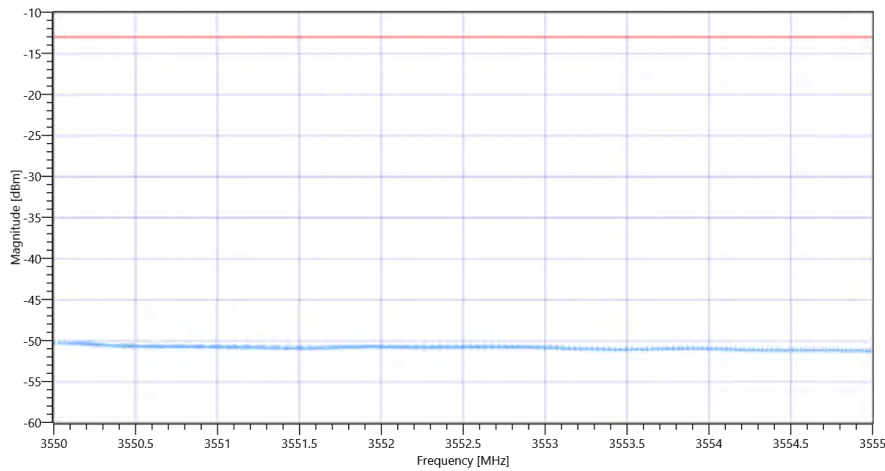
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.54 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

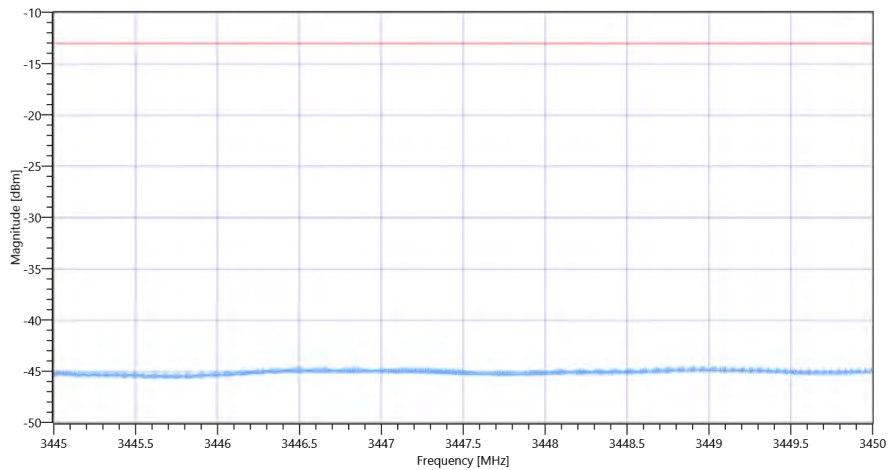
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB_100PCT, Mod: 16QAM

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



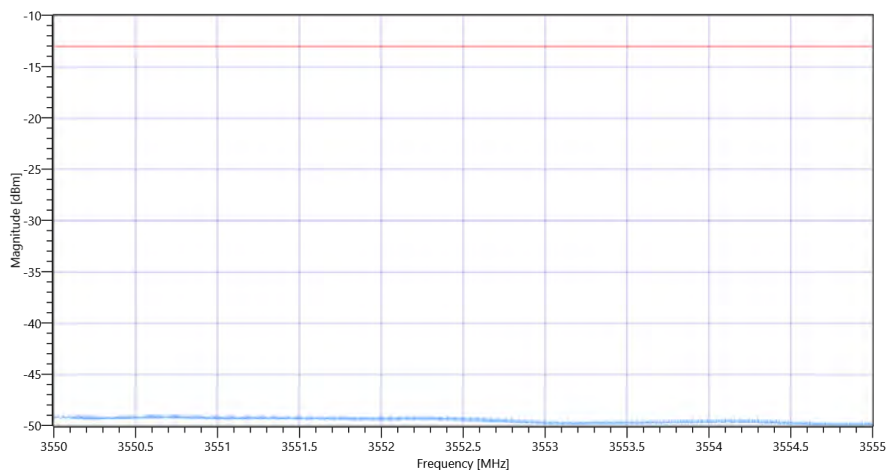
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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

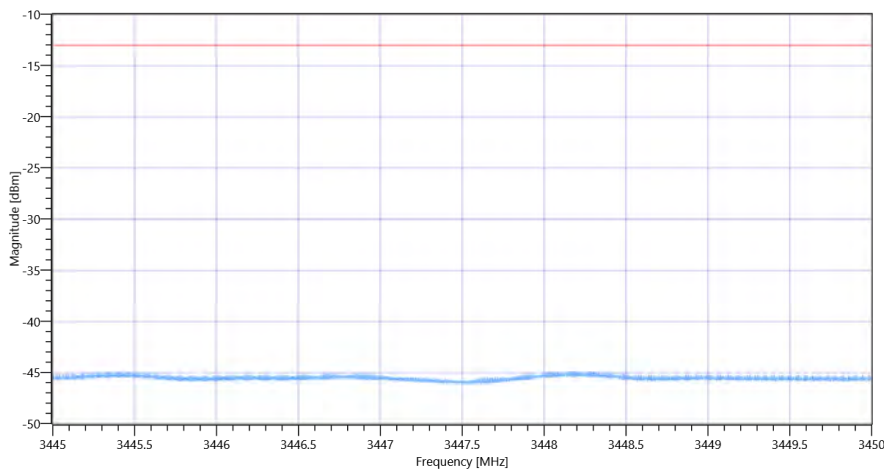
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB_100PCT, Mod: 64QAM

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:

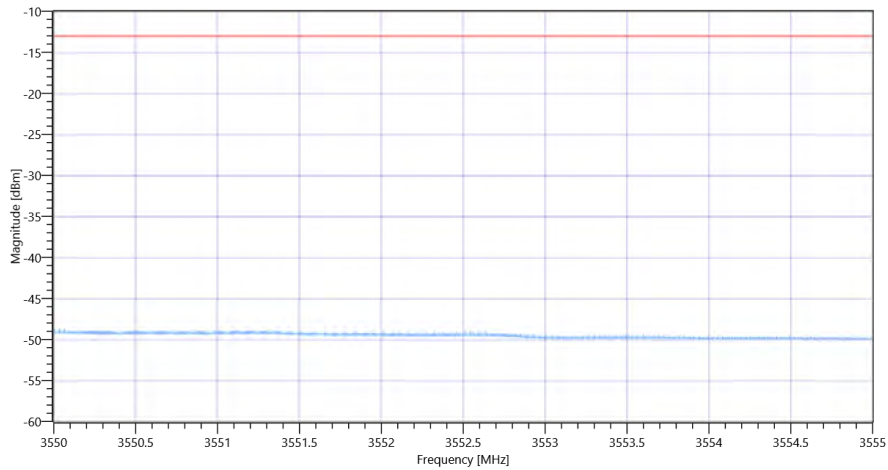
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.05 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

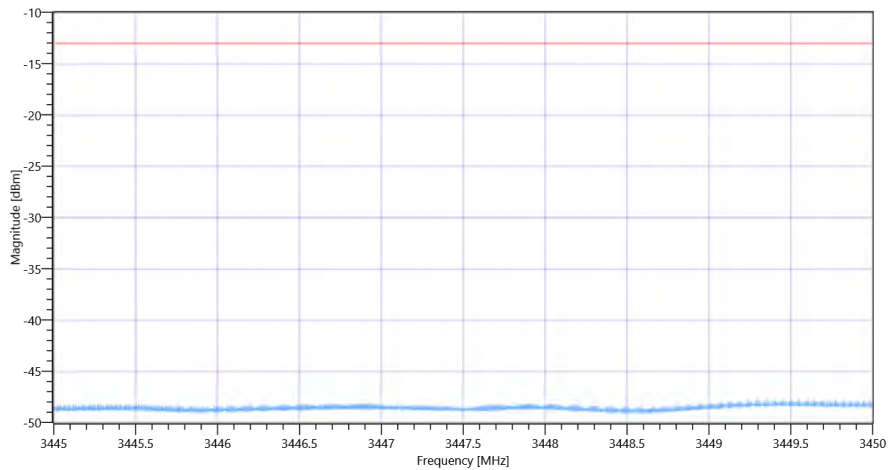
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB_100PCT, Mod: 256QAM

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



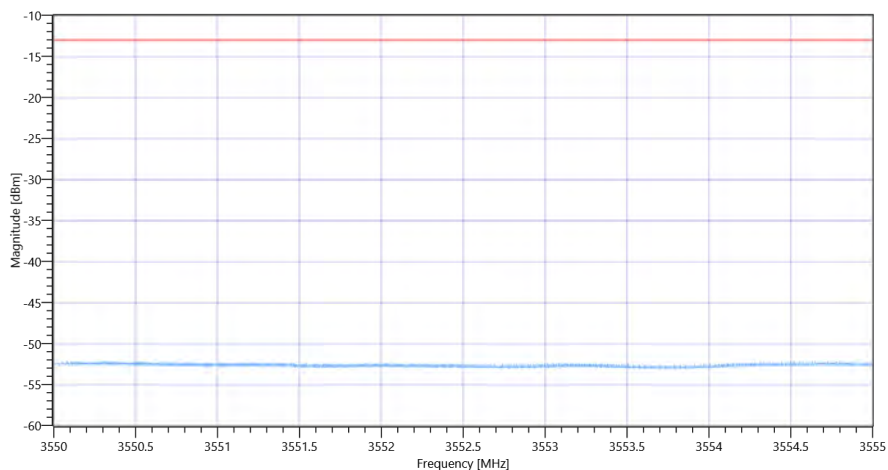
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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

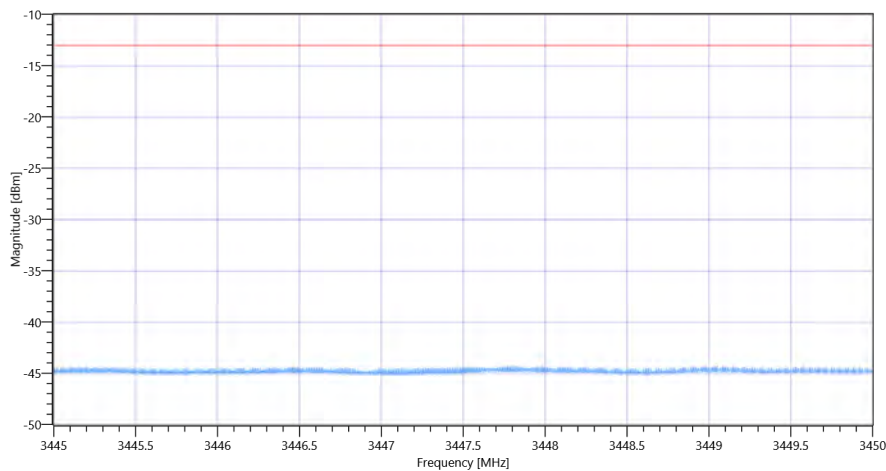
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB_100PCT, Mod: QPSK

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:

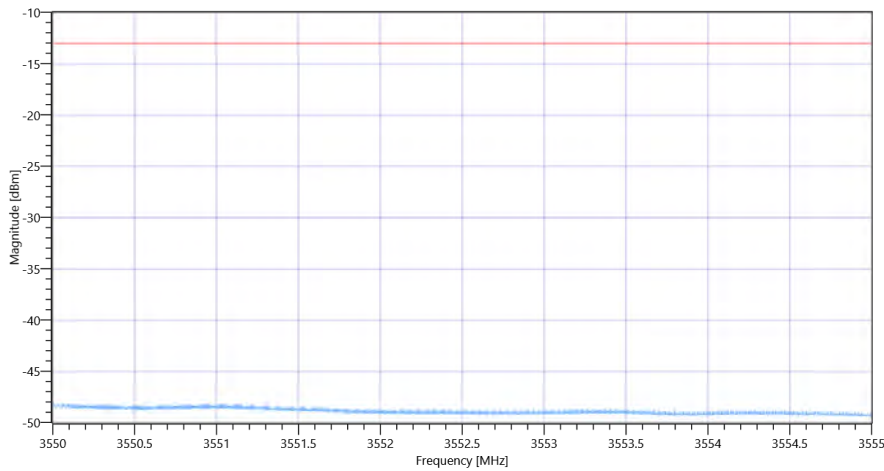
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.07 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

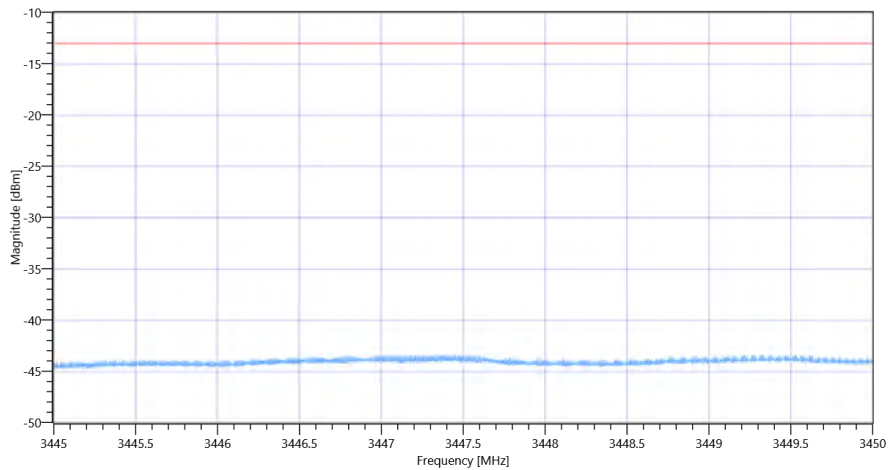
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB_100PCT, Mod: 16QAM

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



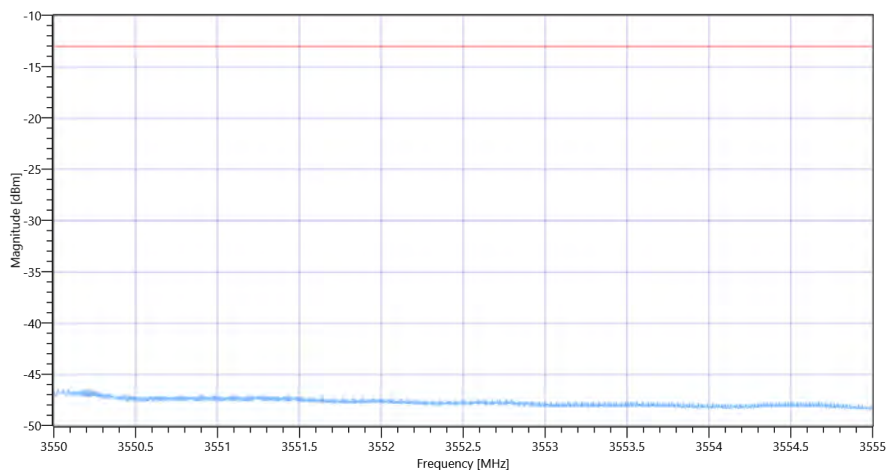
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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



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

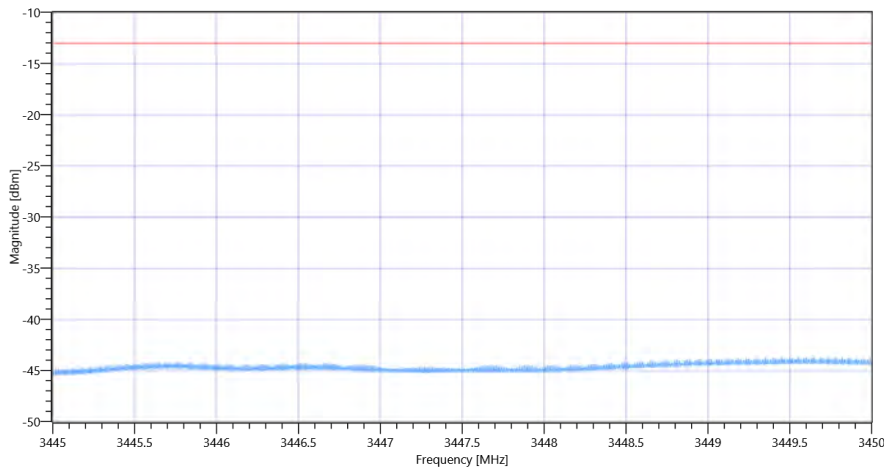
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB_100PCT, Mod: 64QAM

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:

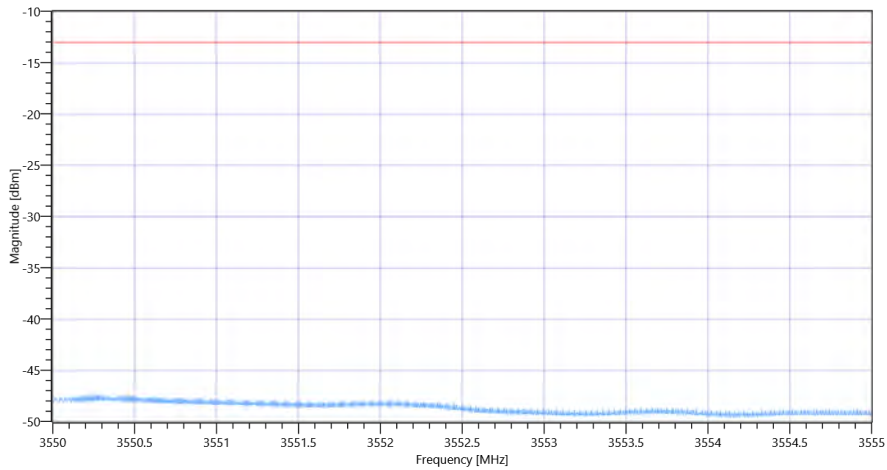
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.94 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

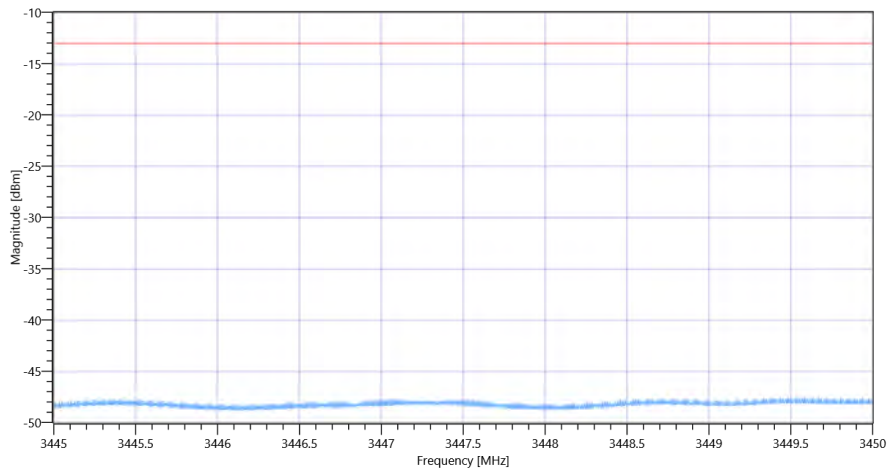
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB_100PCT, Mod: 256QAM

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



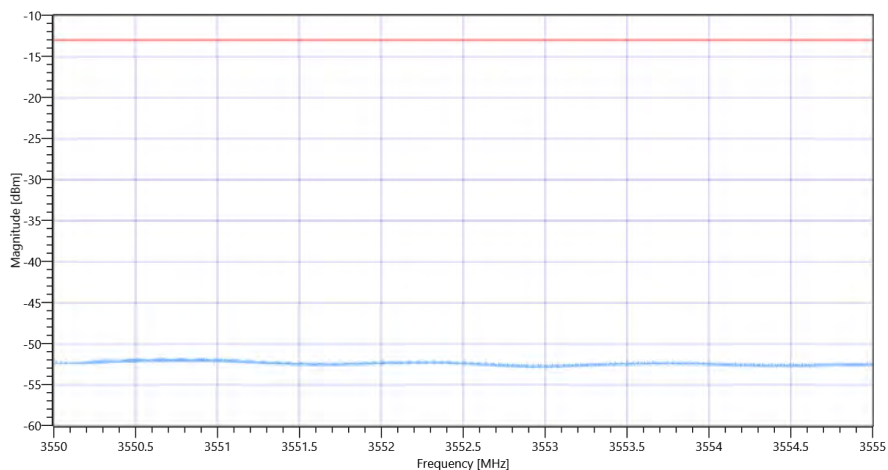
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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

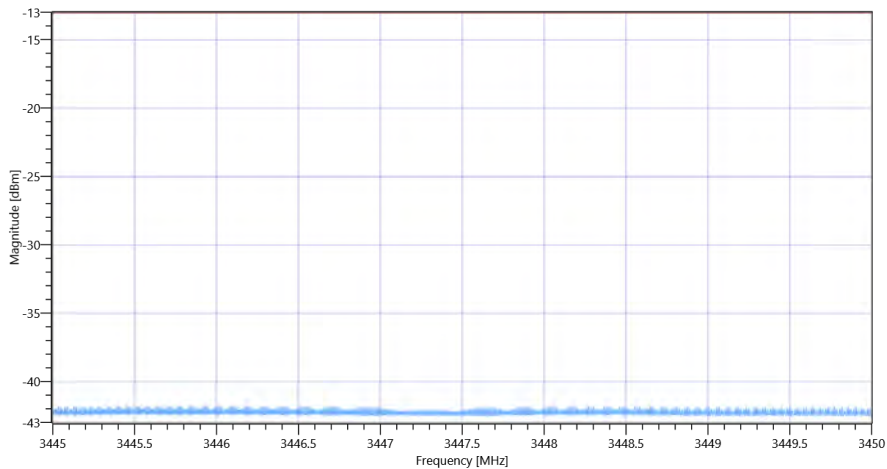
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 80, RB_100PCT, Mod: QPSK

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:

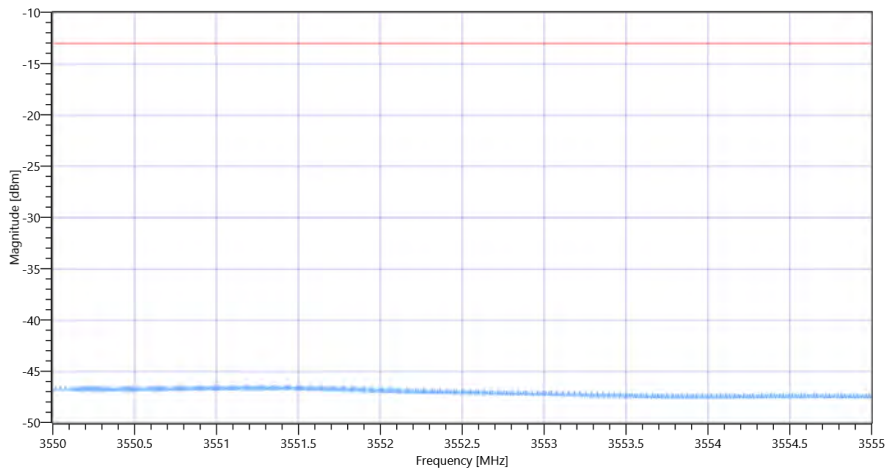
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.69 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

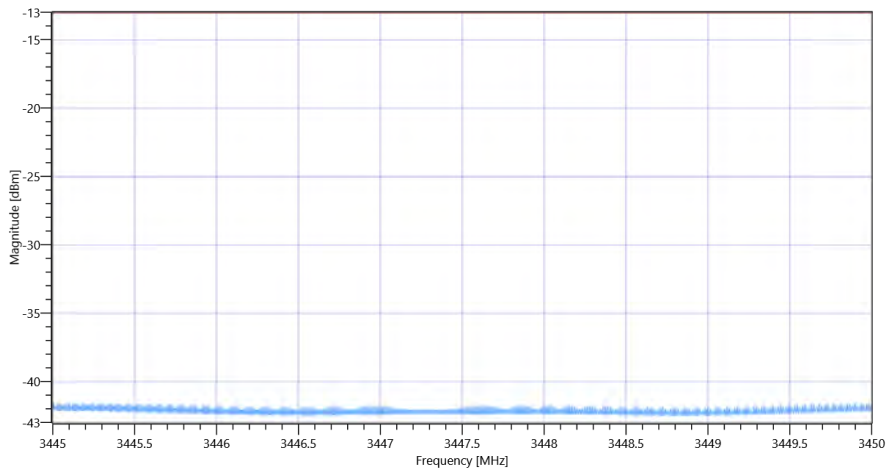
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 80, RB_100PCT, Mod: 16QAM

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



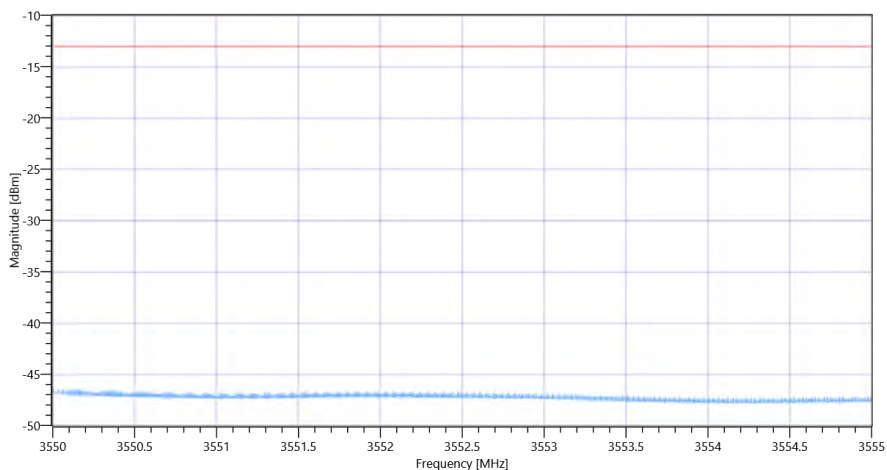
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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



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

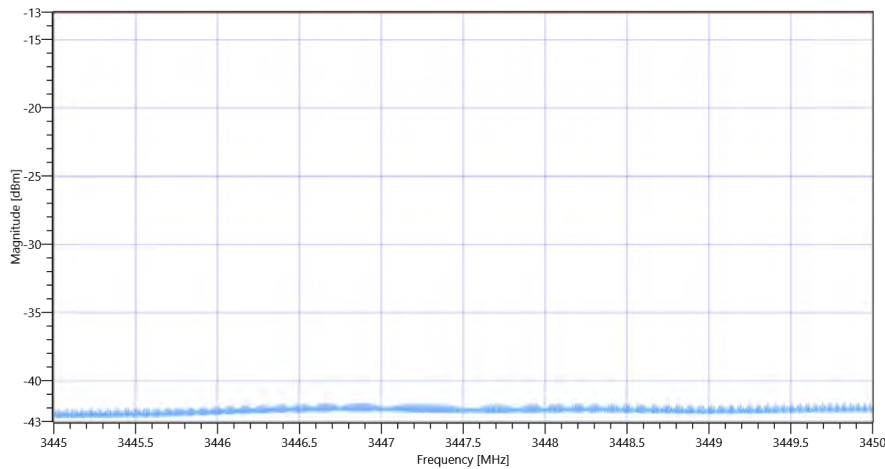
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 80, RB_100PCT, Mod: 64QAM

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:

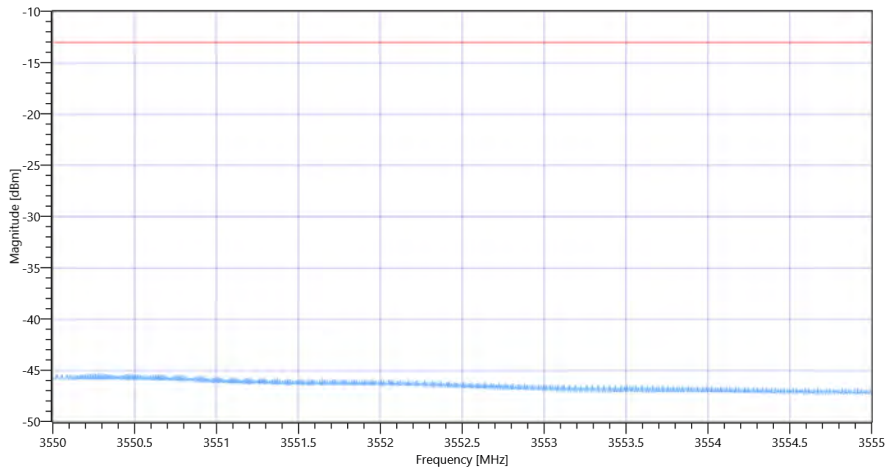
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.73 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

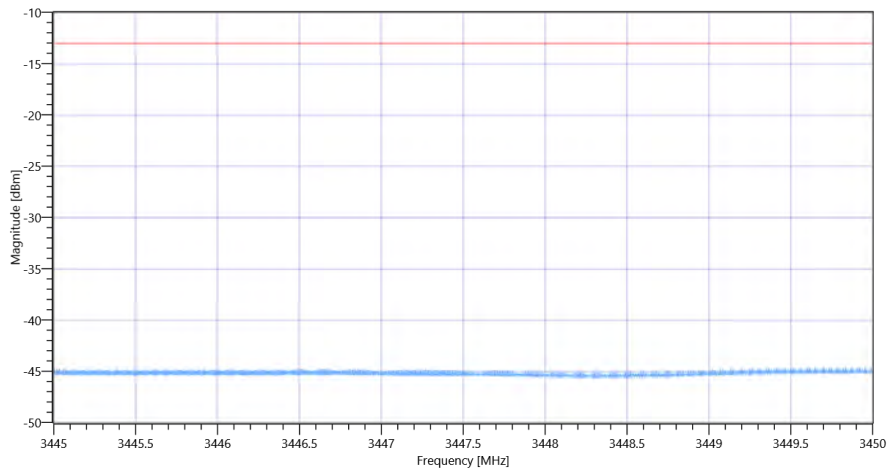
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 80, RB_100PCT, Mod: 256QAM

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



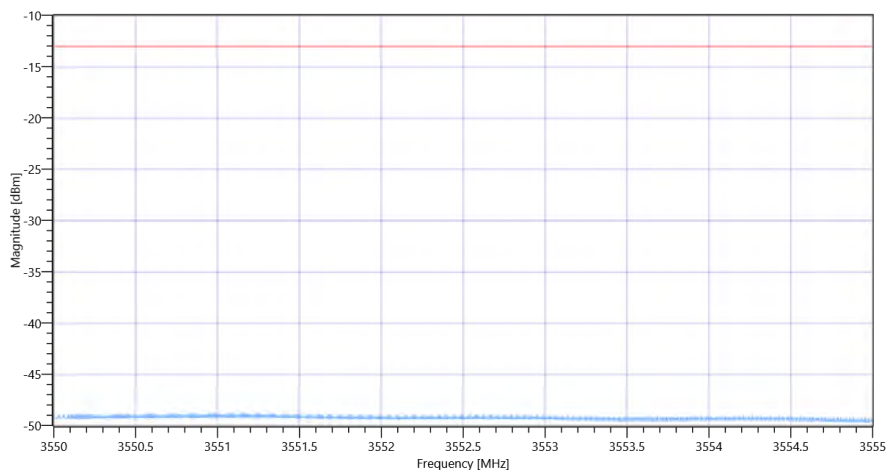
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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



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 22:56:55
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

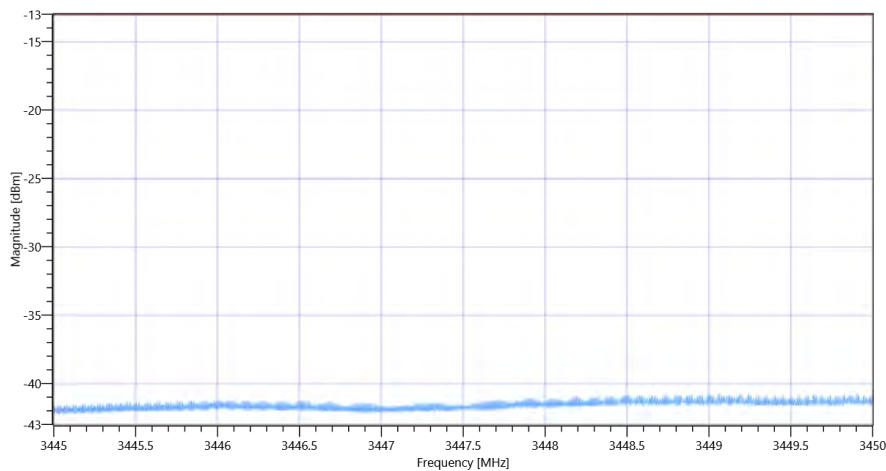
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 90, RB_100PCT, Mod: QPSK

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:

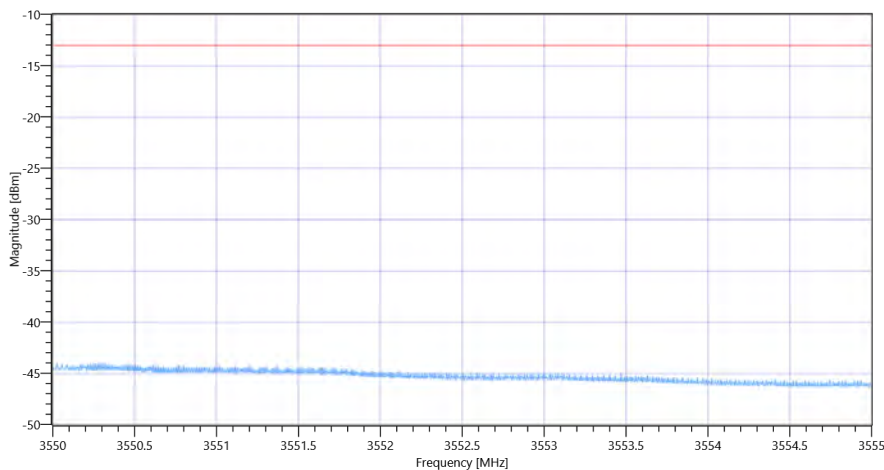
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.76 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

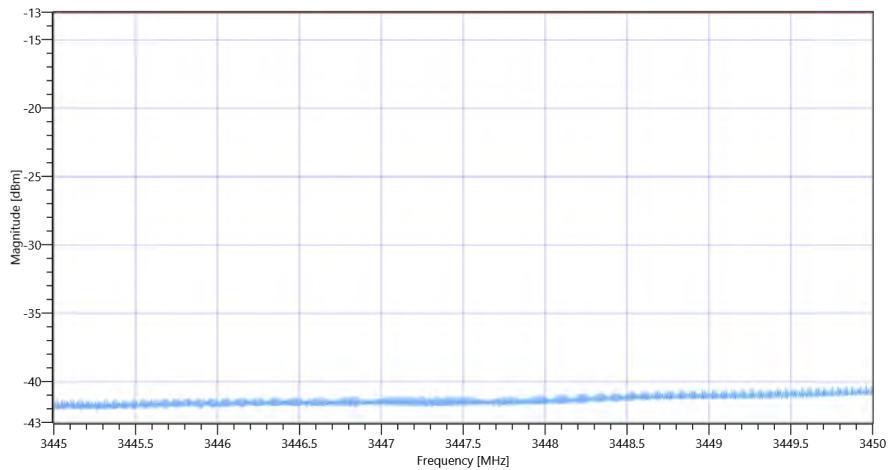
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 90, RB_100PCT, Mod: 16QAM

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



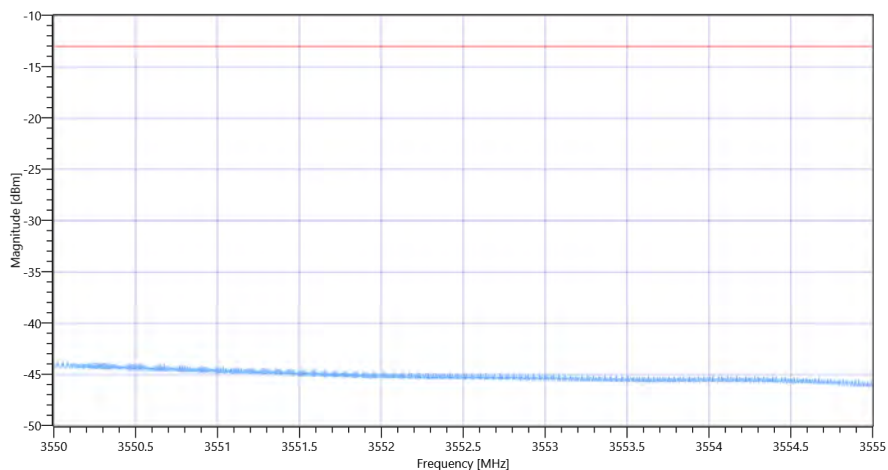
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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

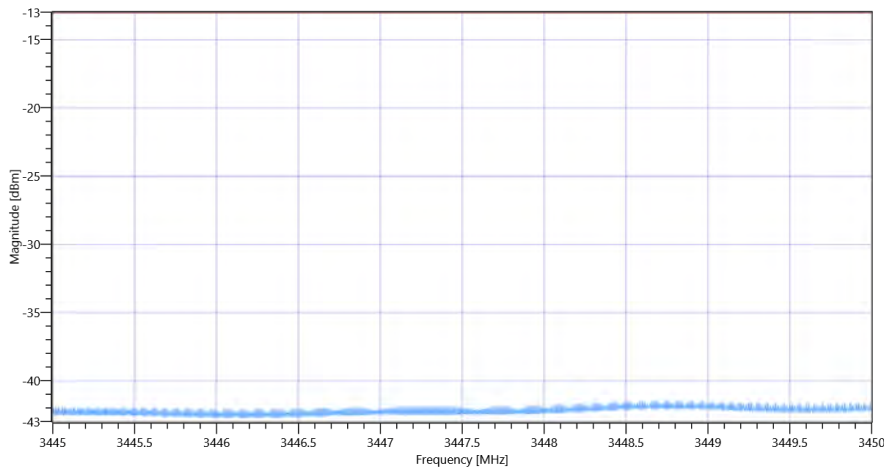
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 90, RB_100PCT, Mod: 64QAM

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:

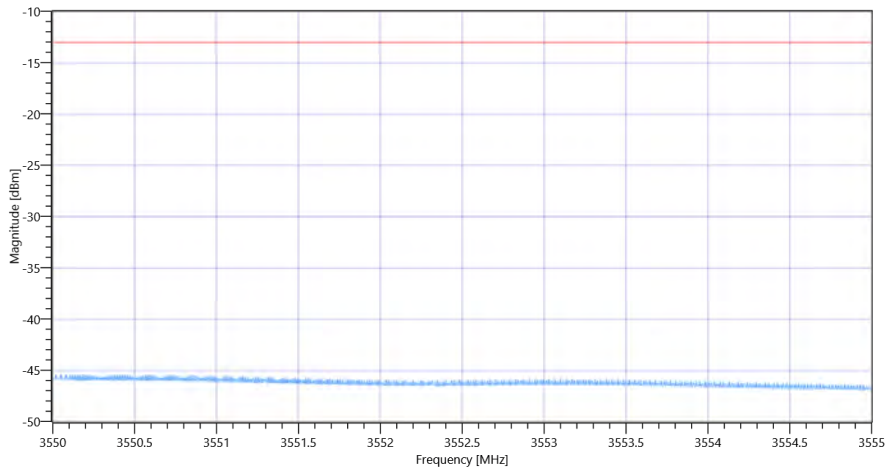
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.73 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

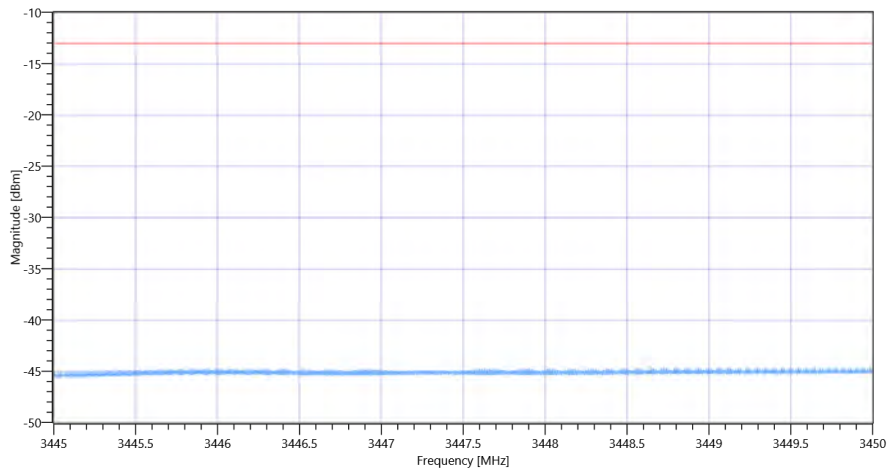
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 90, RB_100PCT, Mod: 256QAM

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



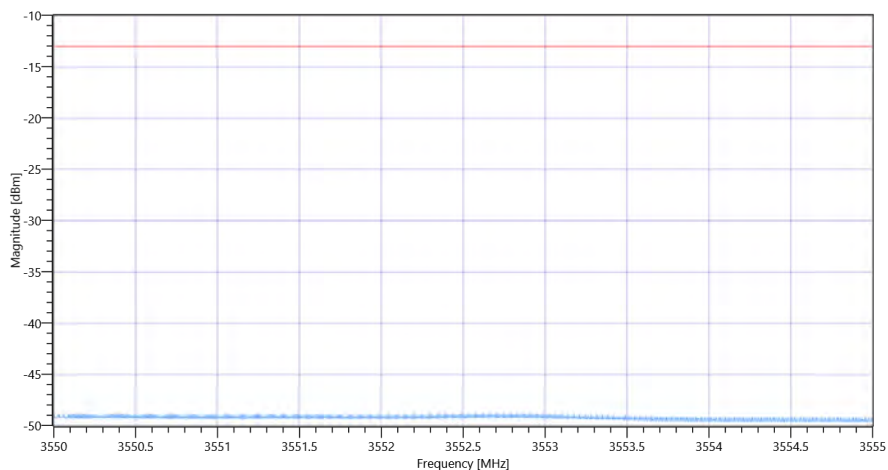
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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

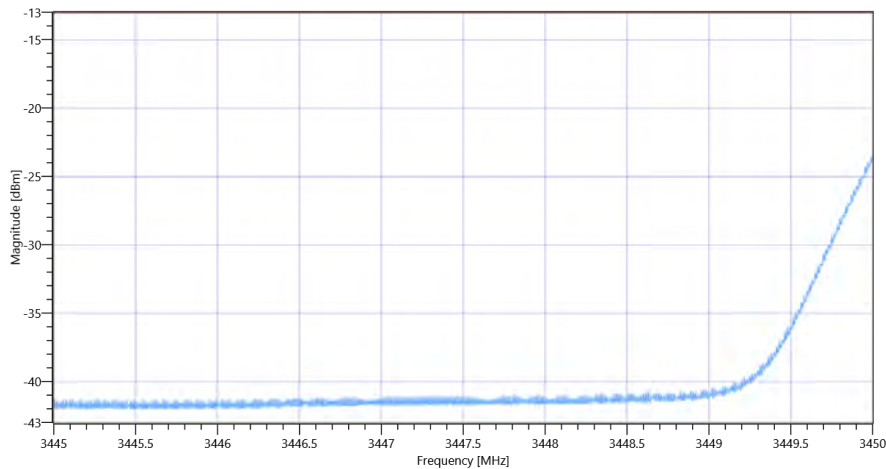
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 100, RB_100PCT, Mod: QPSK

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:

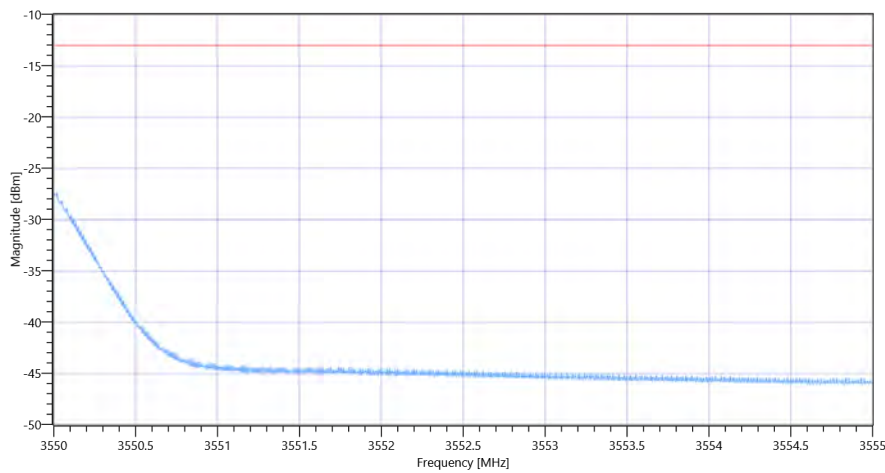
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.52 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

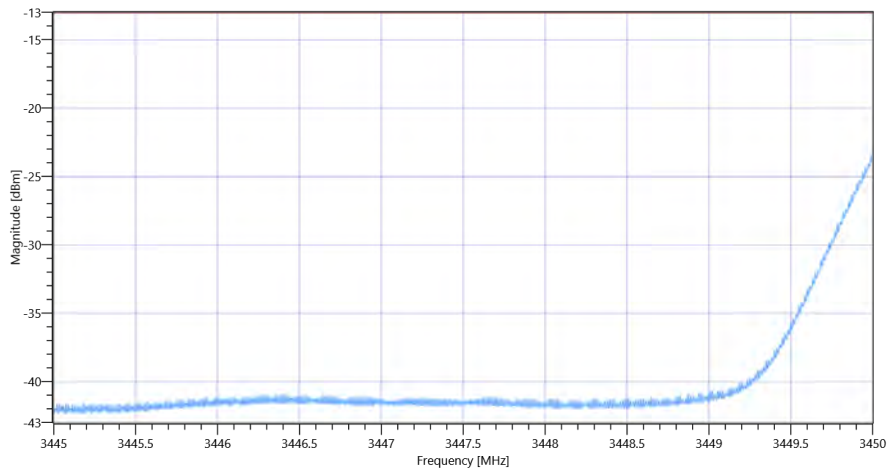
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 100, RB_100PCT, Mod: 16QAM

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



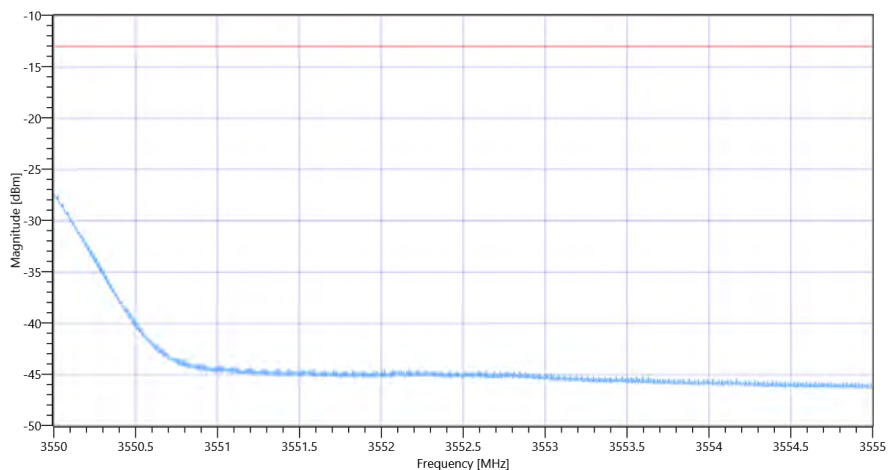
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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

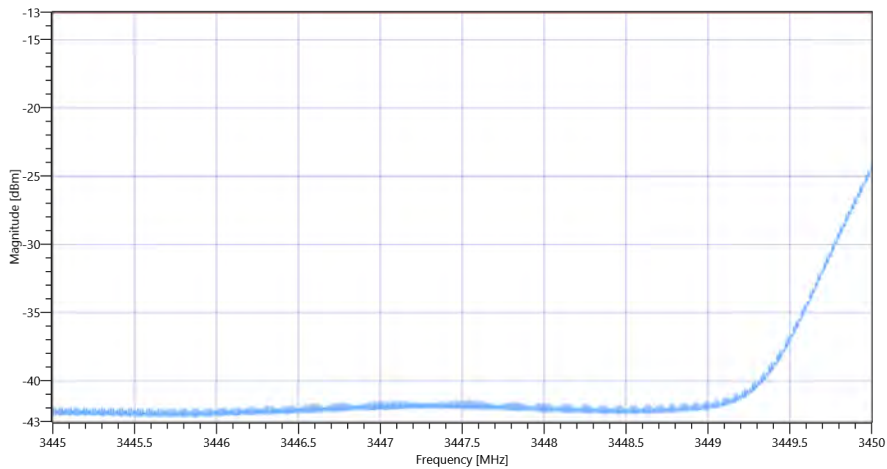
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 100, RB_100PCT, Mod: 64QAM

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:

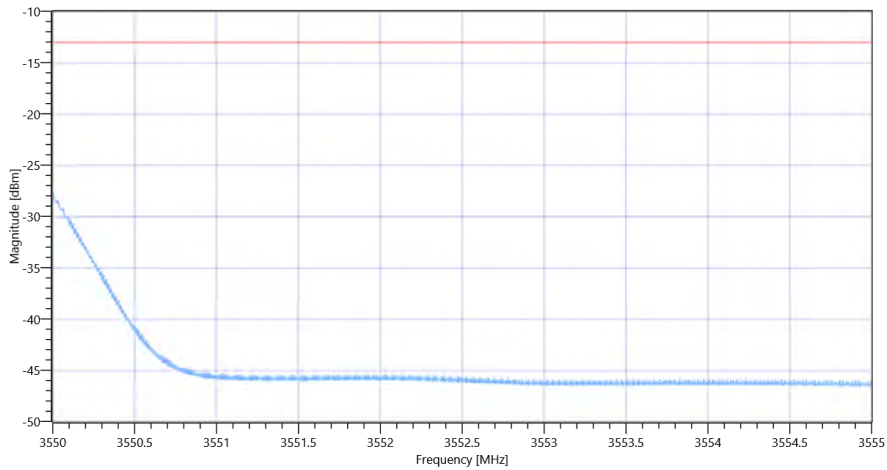
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.91 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

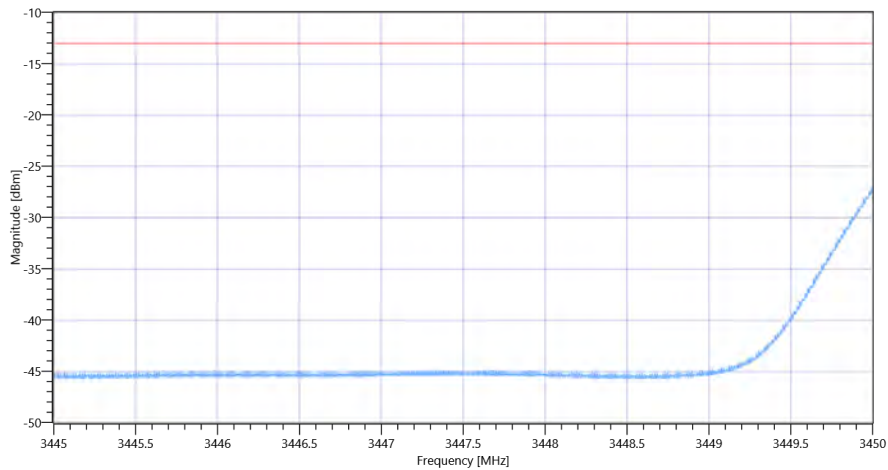
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 100, RB_100PCT, Mod: 256QAM

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



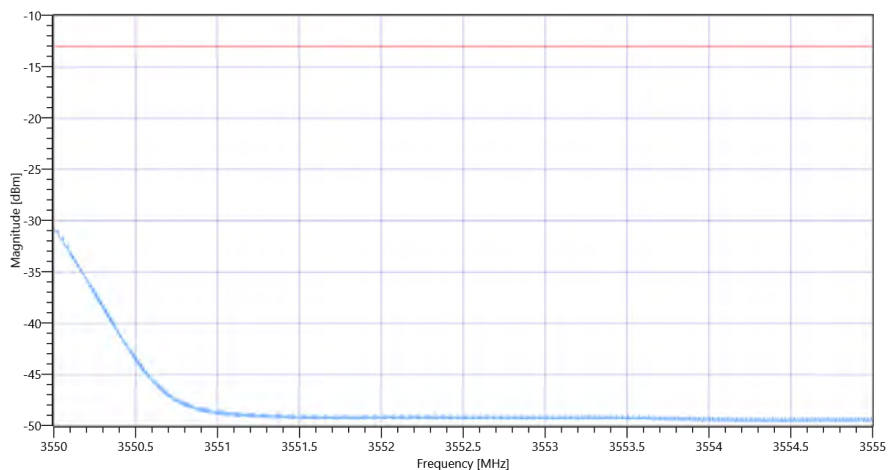
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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



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 21:56:18
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

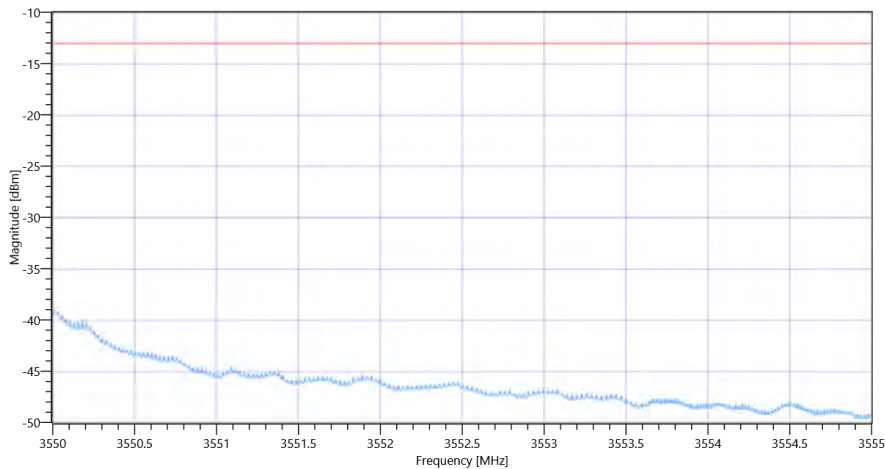
Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

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:

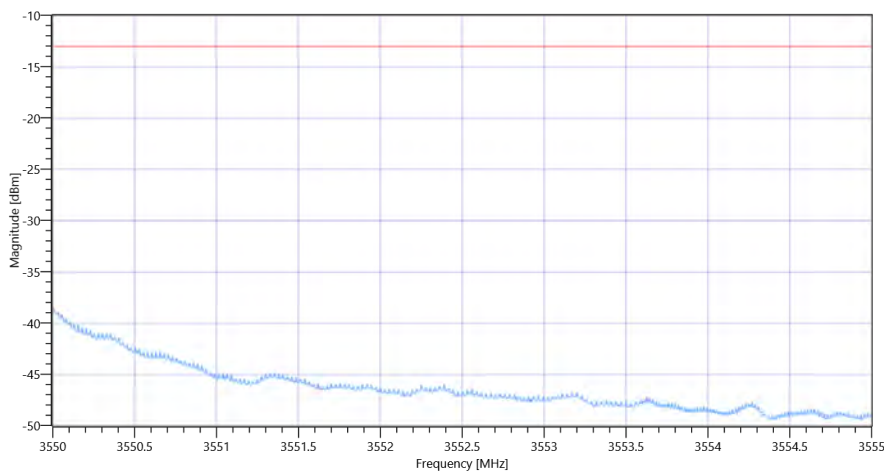
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.60 0 35
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

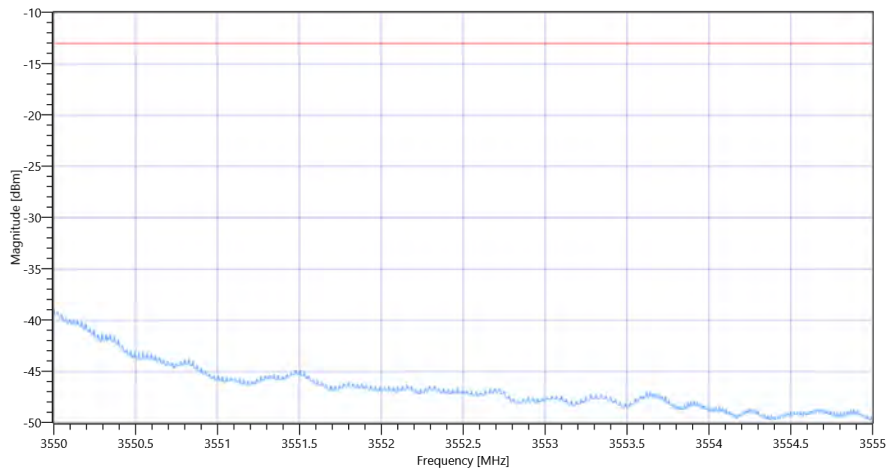
Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

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

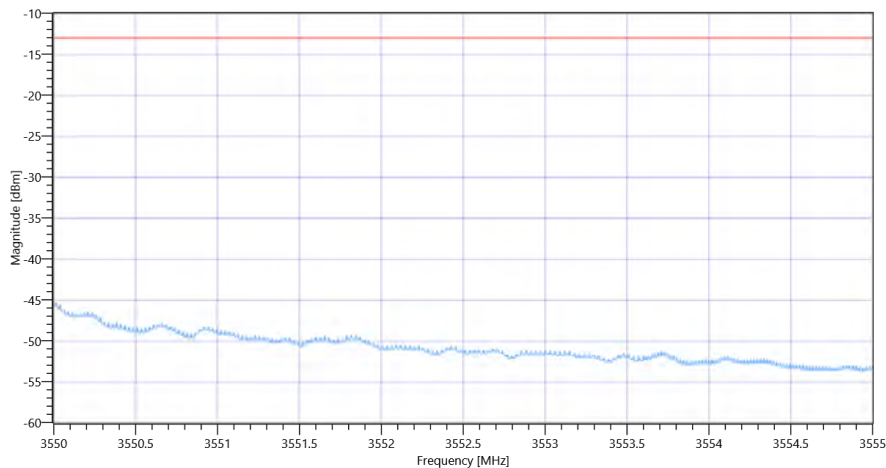
Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

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

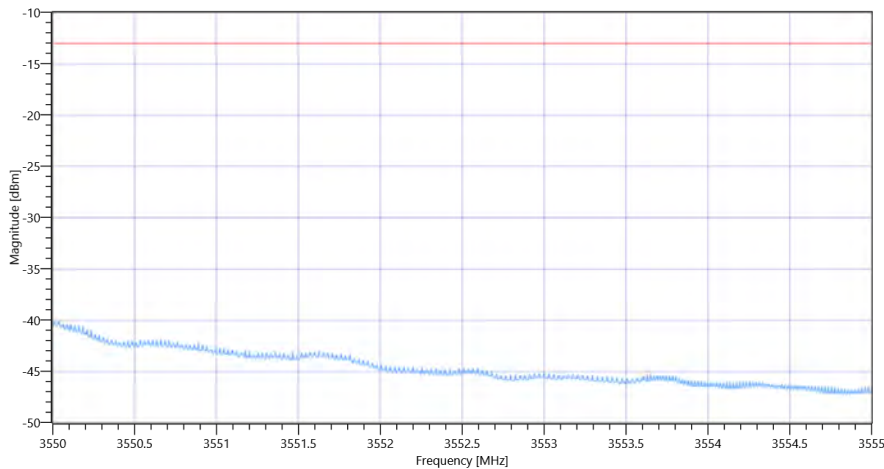
Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB_100PCT, Mod: QPSK

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:

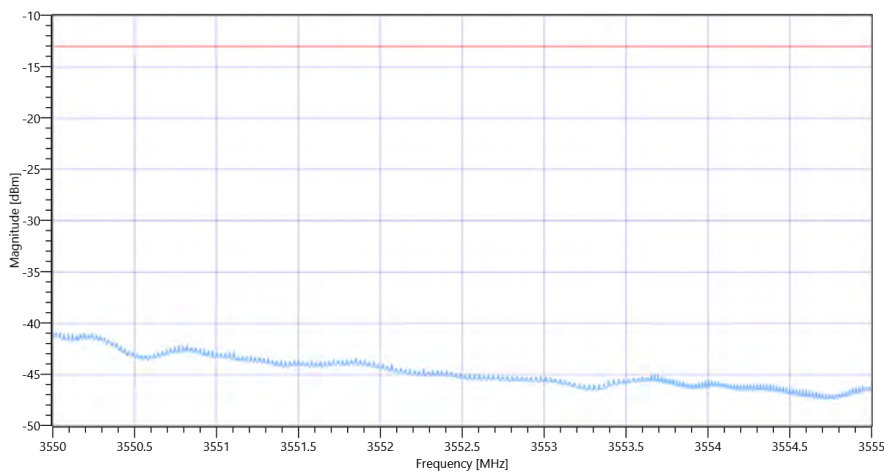
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.71 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

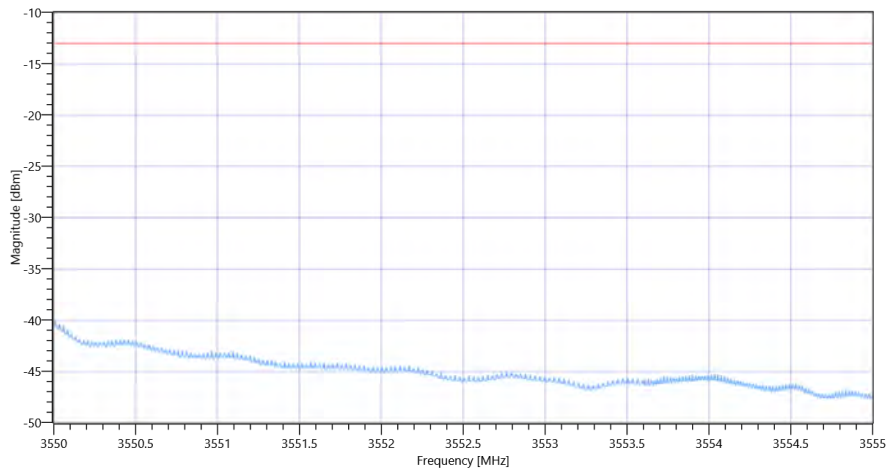
Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB_100PCT, Mod: 64QAM

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

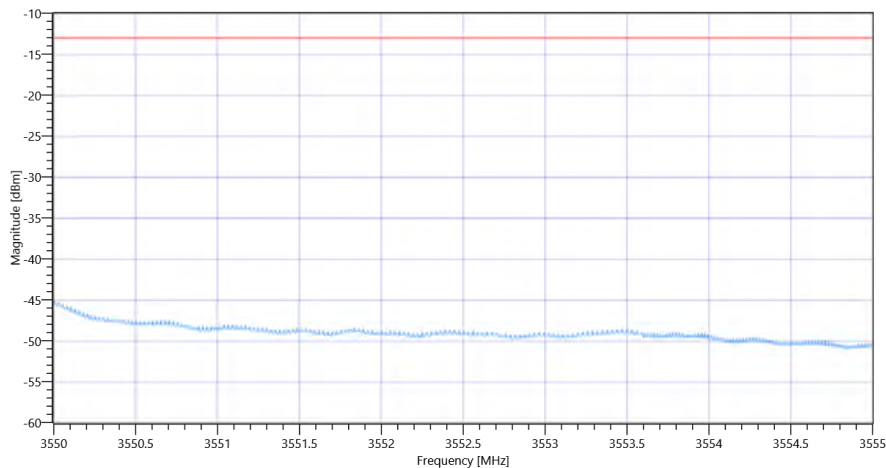
Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB_100PCT, Mod: 256QAM

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

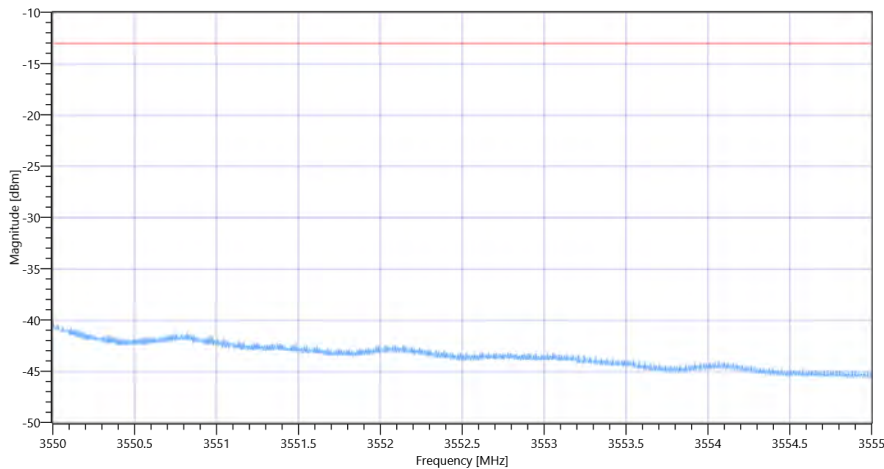
Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB_100PCT, Mod: QPSK

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:

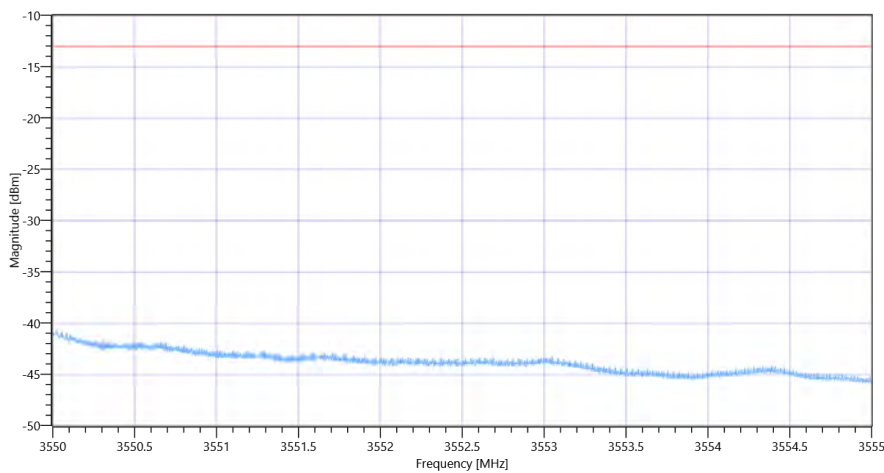
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.73 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

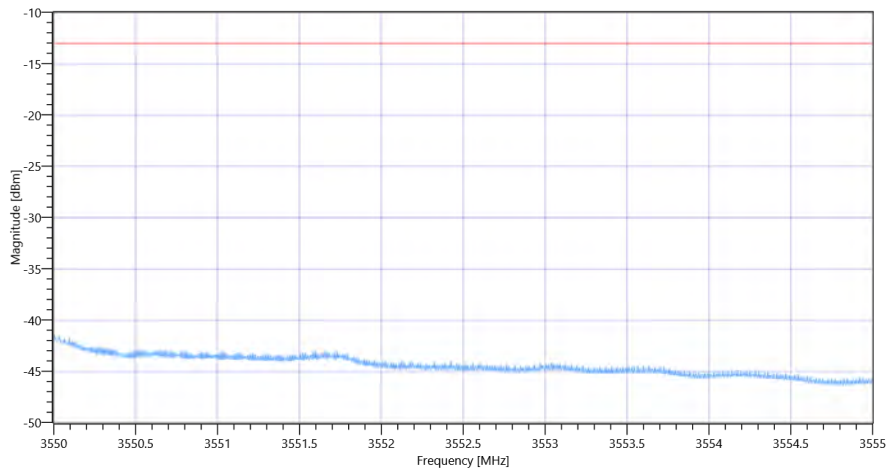
Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB_100PCT, Mod: 64QAM

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

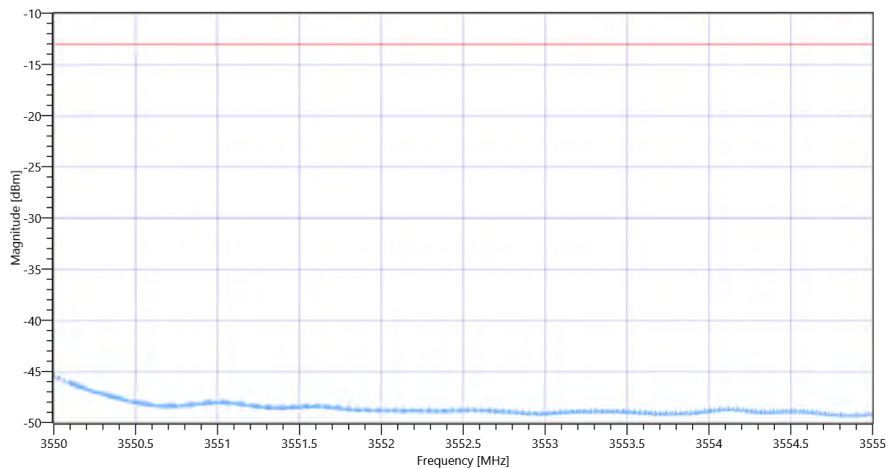
Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB_100PCT, Mod: 256QAM

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

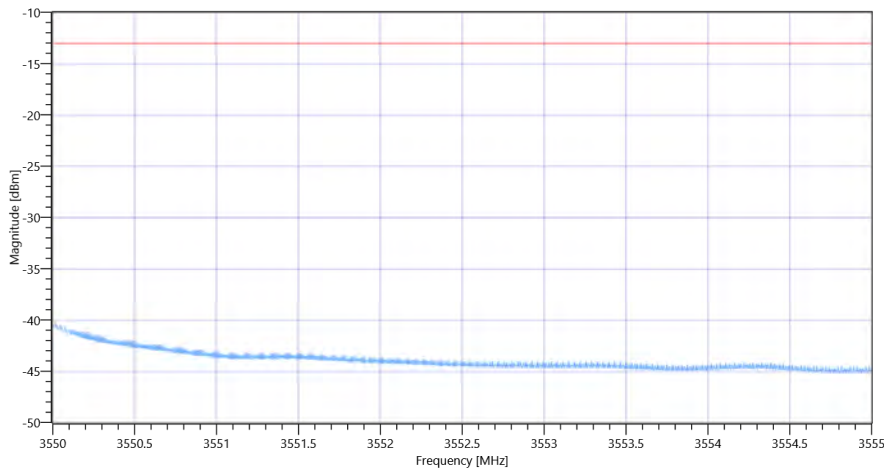
Test freq: high, UL[MHz]/CH 3530/0, CBW [MHz]: 40, RB_100PCT, Mod: QPSK

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:

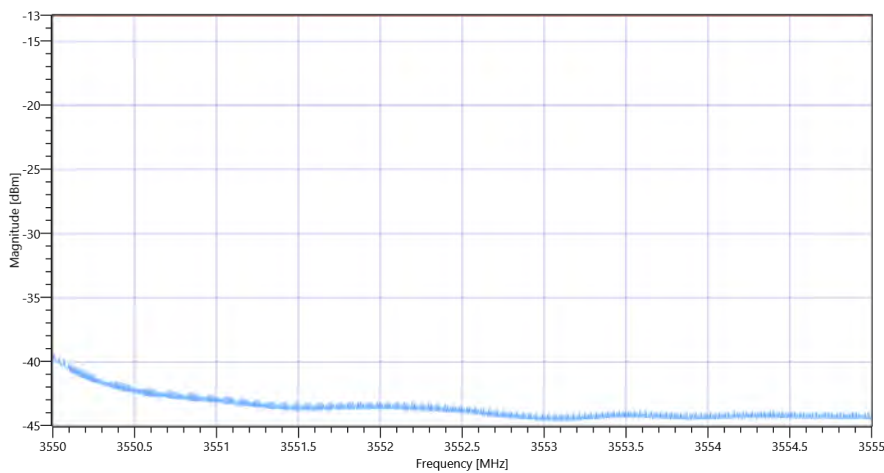
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.03 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

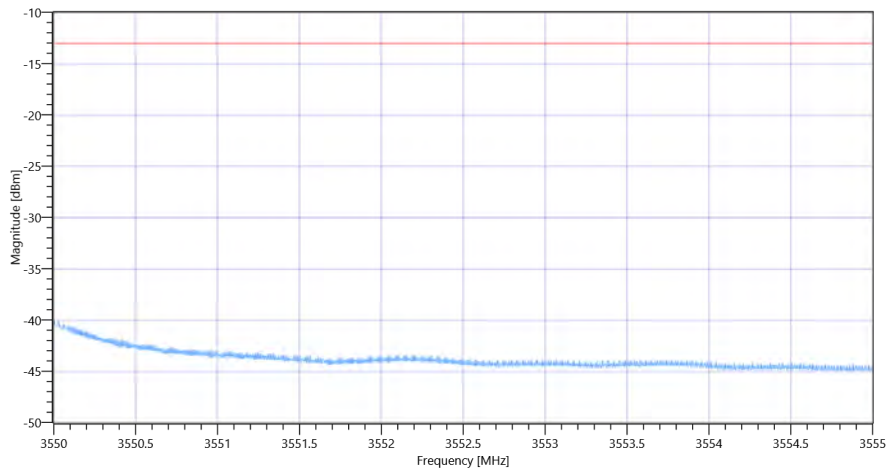
Test freq: high, UL[MHz]/CH 3530/0, CBW [MHz]: 40, RB_100PCT, Mod: 64QAM

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

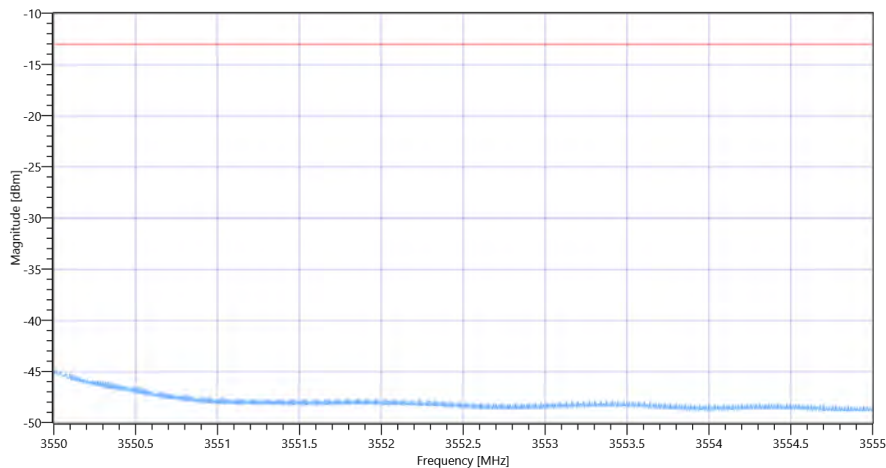
Test freq: high, UL[MHz]/CH 3530/0, CBW [MHz]: 40, RB_100PCT, Mod: 256QAM

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

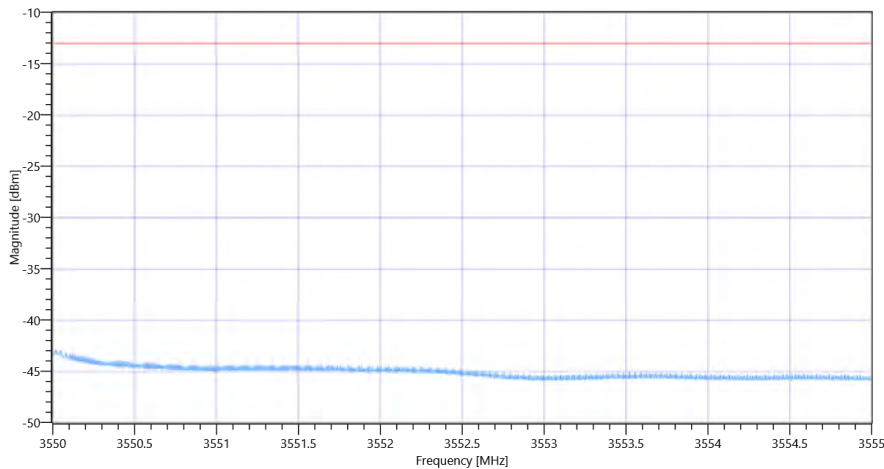
Test freq: high, UL[MHz]/CH 3525/0, CBW [MHz]: 50, RB_100PCT, Mod: QPSK

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:

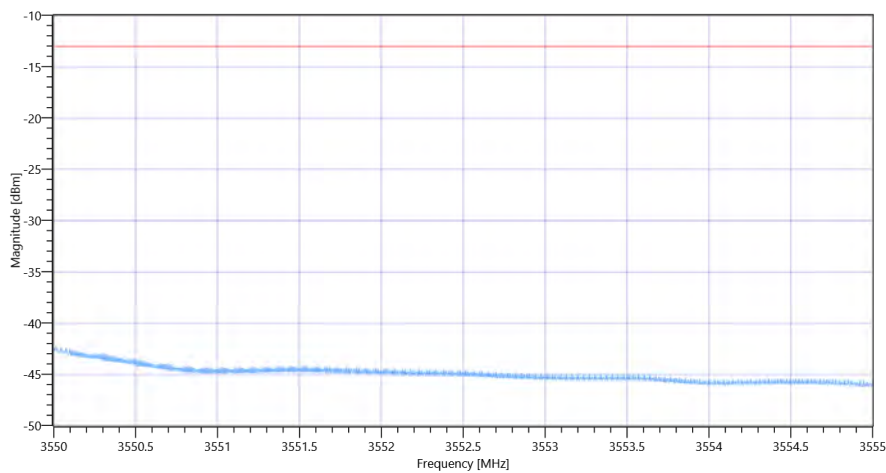
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.19 0 30
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

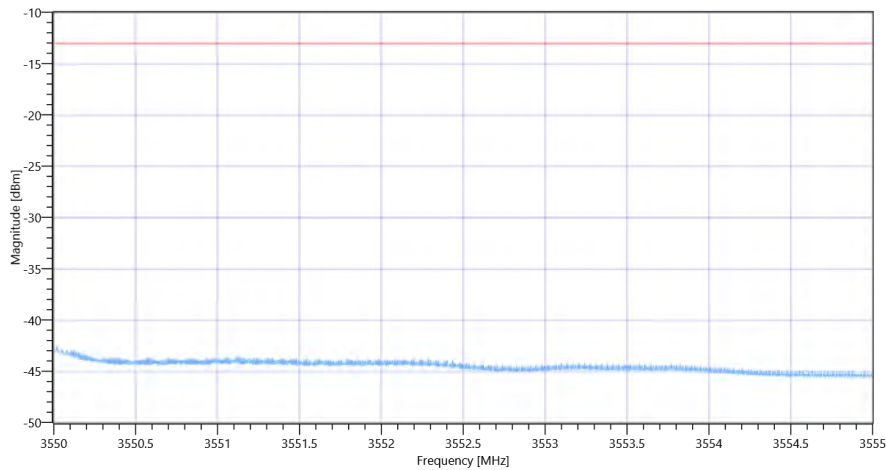
Test freq: high, UL[MHz]/CH 3525/0, CBW [MHz]: 50, RB_100PCT, Mod: 64QAM

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

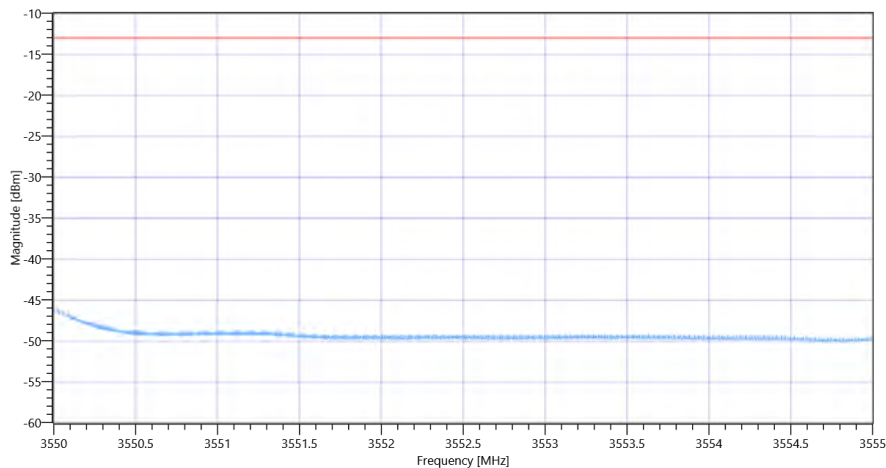
Test freq: high, UL[MHz]/CH 3525/0, CBW [MHz]: 50, RB_100PCT, Mod: 256QAM

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

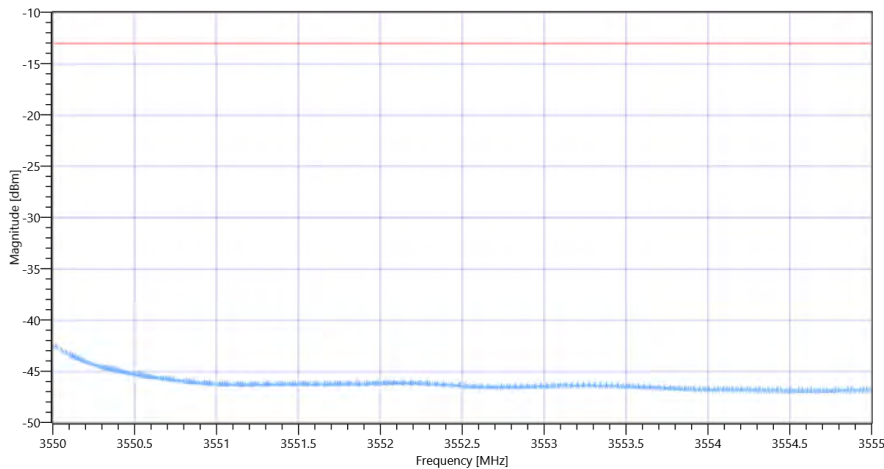
Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	

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

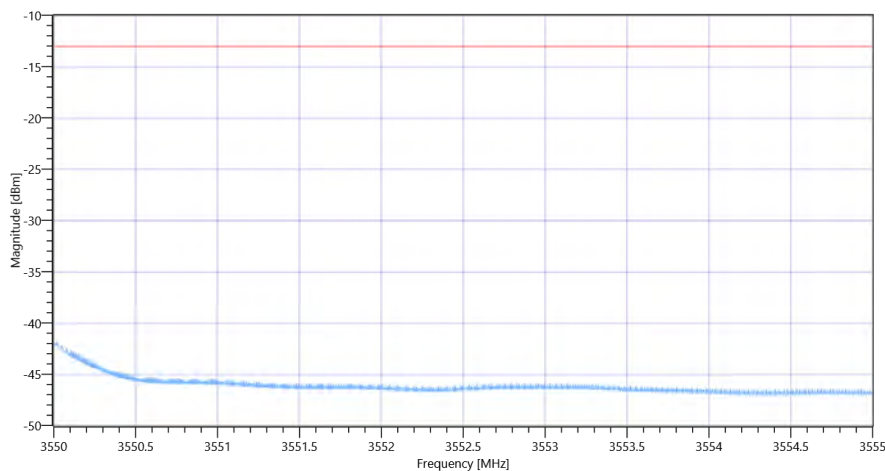
Test freq: high, UL[MHz]/CH 3520/0, CBW [MHz]: 60, RB_100PCT, Mod: 16QAM

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

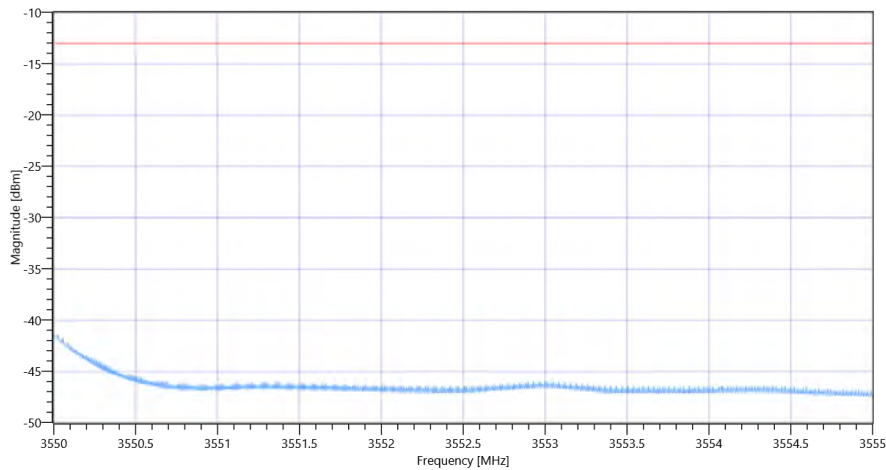
Test freq: high, UL[MHz]/CH 3520/0, CBW [MHz]: 60, RB_100PCT, Mod: 64QAM

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

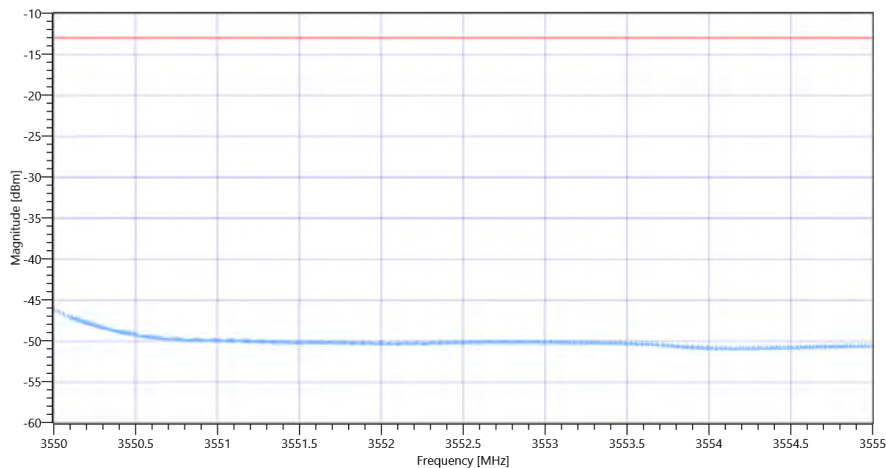
Test freq: high, UL[MHz]/CH 3520/0, CBW [MHz]: 60, RB_100PCT, Mod: 256QAM

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

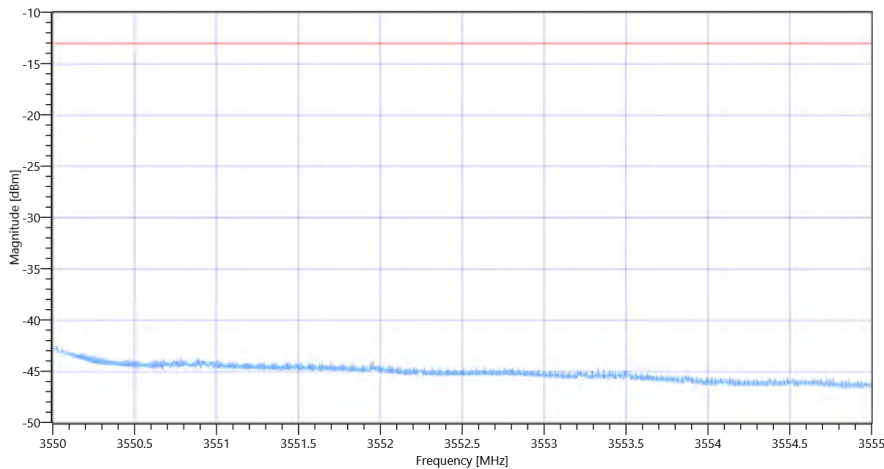
Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	

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

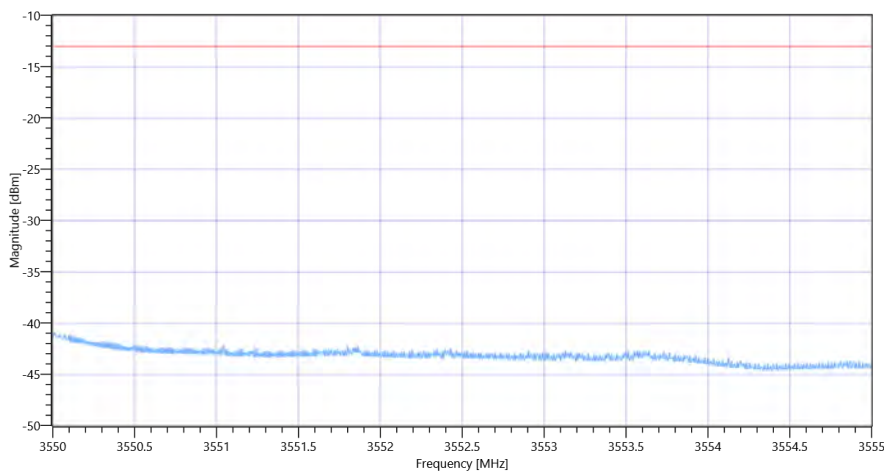
Test freq: high, UL[MHz]/CH 3515/0, CBW [MHz]: 70, RB_100PCT, Mod: 16QAM

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

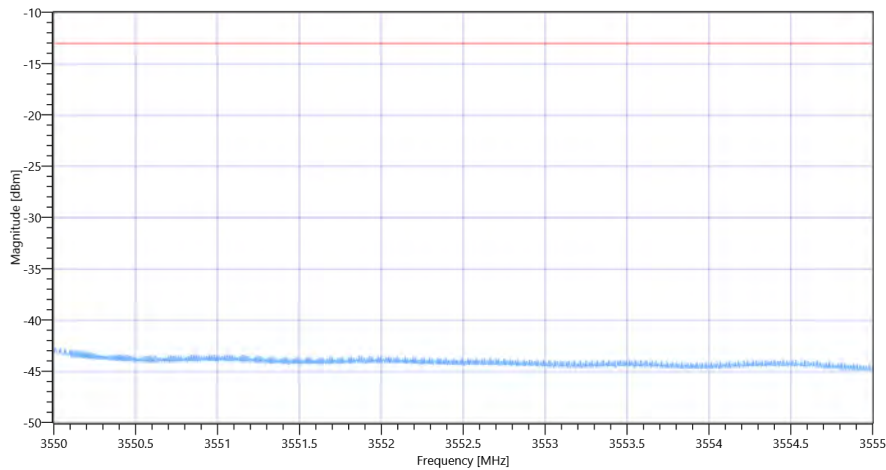
Test freq: high, UL[MHz]/CH 3515/0, CBW [MHz]: 70, RB_100PCT, Mod: 64QAM

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

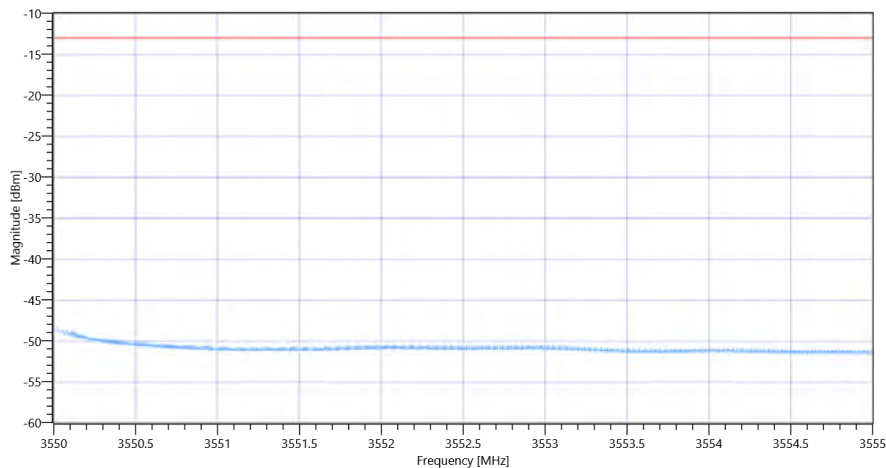
Test freq: high, UL[MHz]/CH 3515/0, CBW [MHz]: 70, RB_100PCT, Mod: 256QAM

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

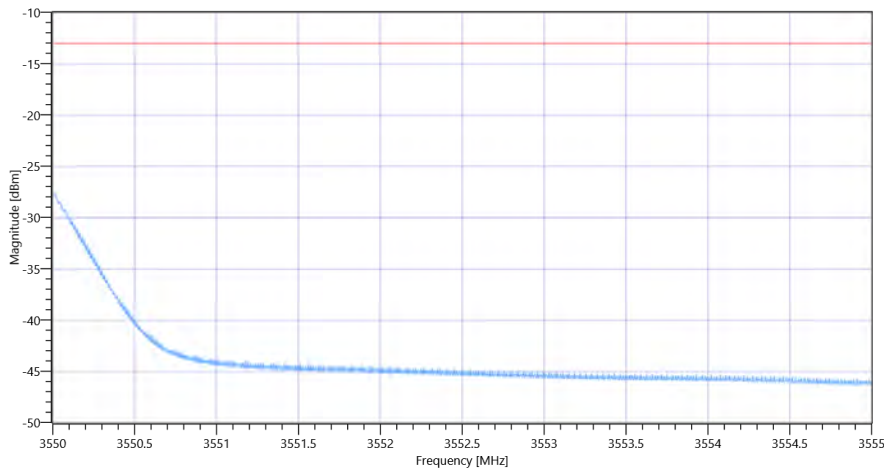
Test freq: high, UL[MHz]/CH 3510/0, CBW [MHz]: 80, RB_100PCT, Mod: QPSK

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:

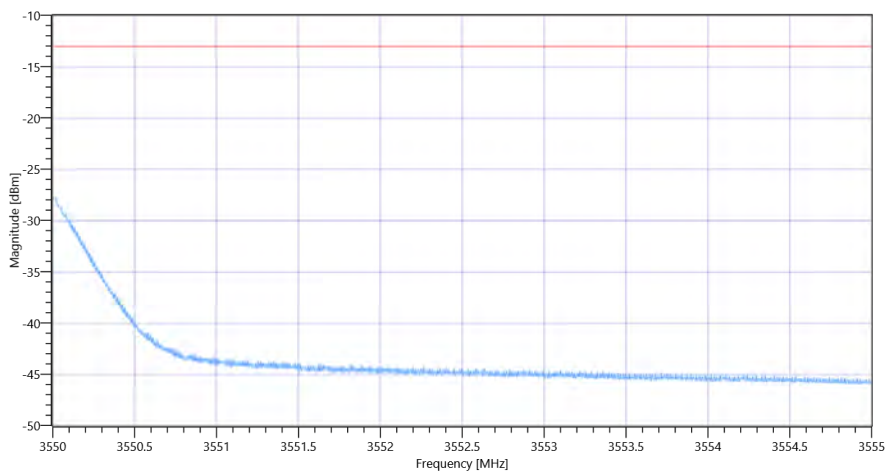
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.69 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

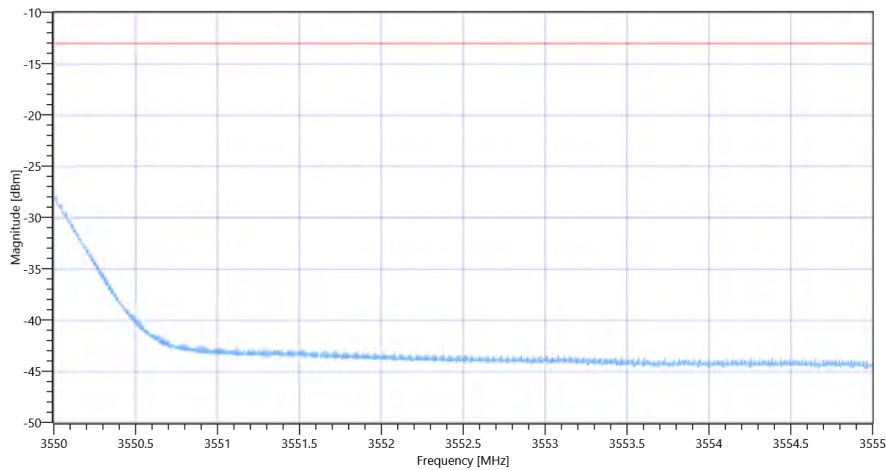
Test freq: high, UL[MHz]/CH 3510/0, CBW [MHz]: 80, RB_100PCT, Mod: 64QAM

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

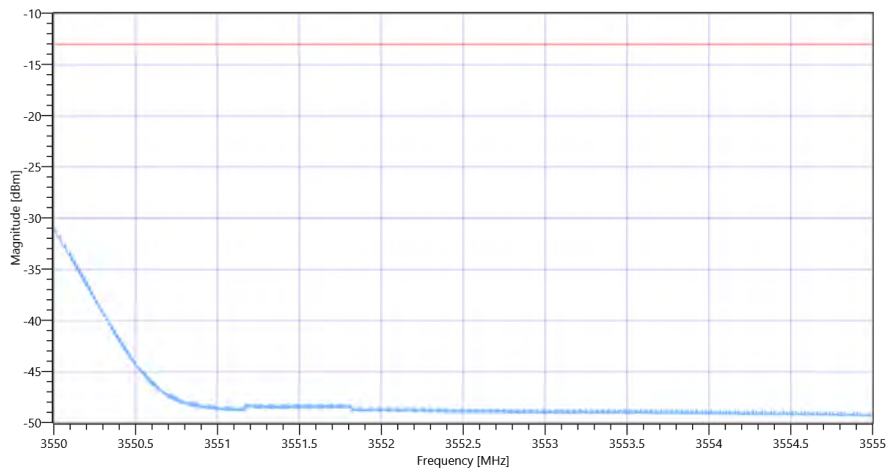
Test freq: high, UL[MHz]/CH 3510/0, CBW [MHz]: 80, RB_100PCT, Mod: 256QAM

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

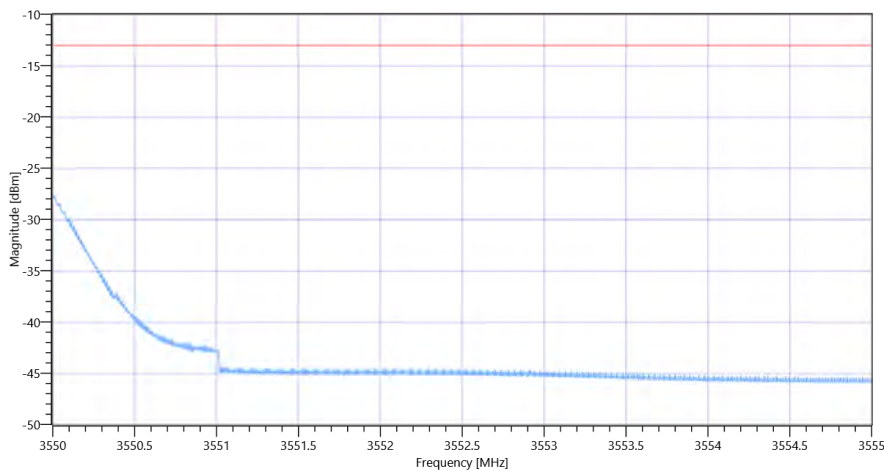
Test freq: high, UL[MHz]/CH 3505/0, CBW [MHz]: 90, RB_100PCT, Mod: QPSK

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:

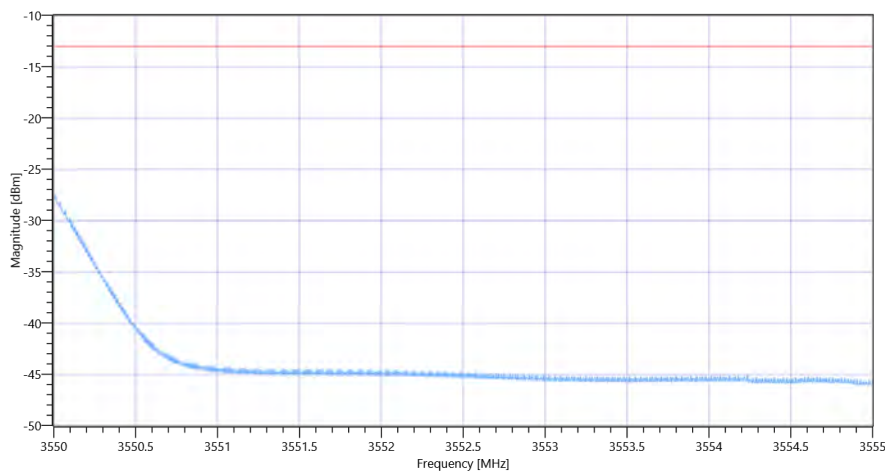
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.35 0 25
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

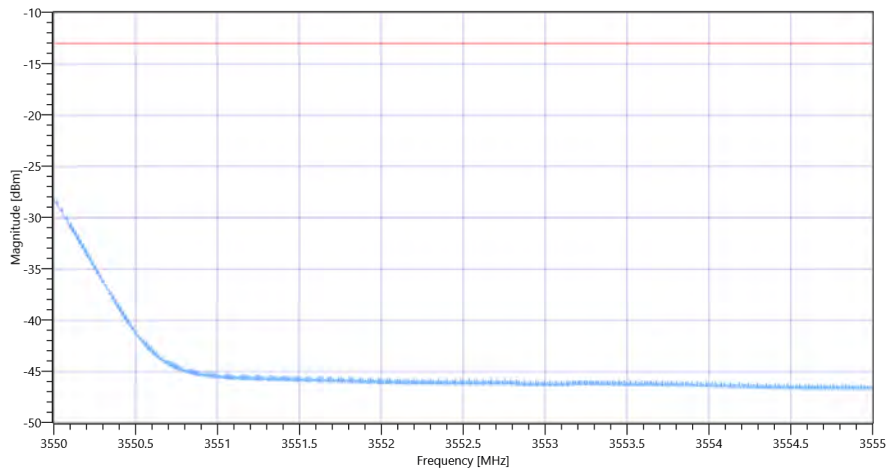
Test freq: high, UL[MHz]/CH 3505/0, CBW [MHz]: 90, RB_100PCT, Mod: 64QAM

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

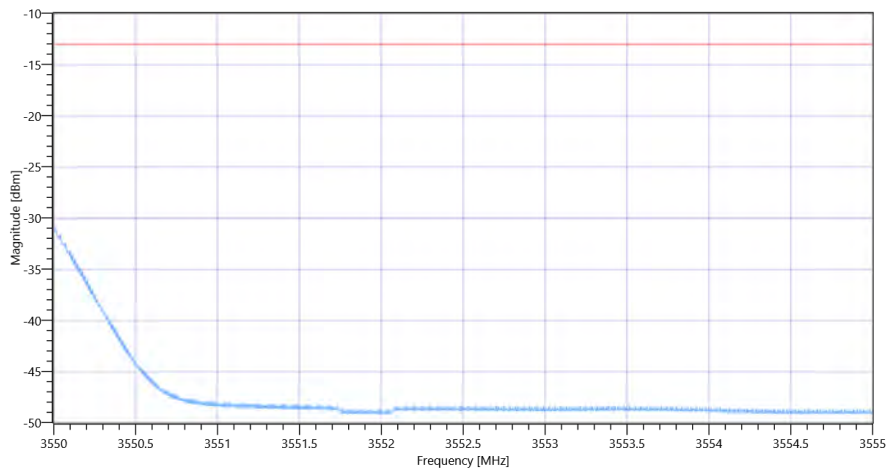
Test freq: high, UL[MHz]/CH 3505/0, CBW [MHz]: 90, RB_100PCT, Mod: 256QAM

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

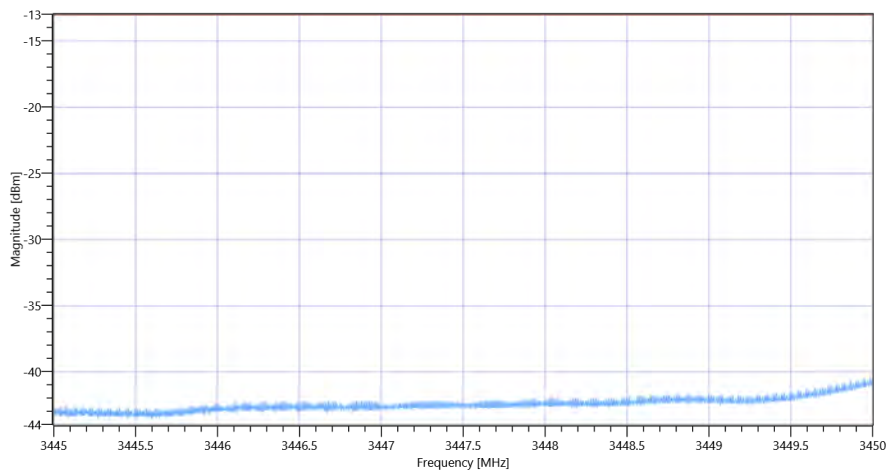
Test freq: low, UL[MHz]/CH 3485/0, CBW [MHz]: 70, RB_100PCT, Mod: QPSK

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

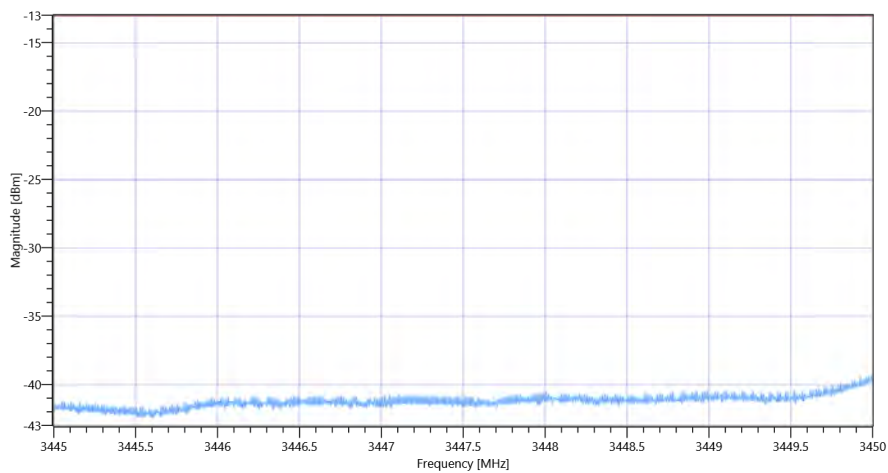
READ SA SETTINGS:

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

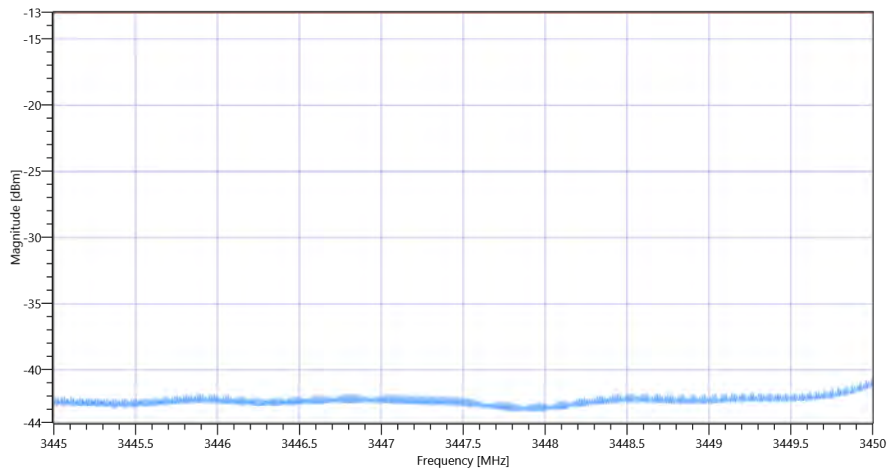


FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

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



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

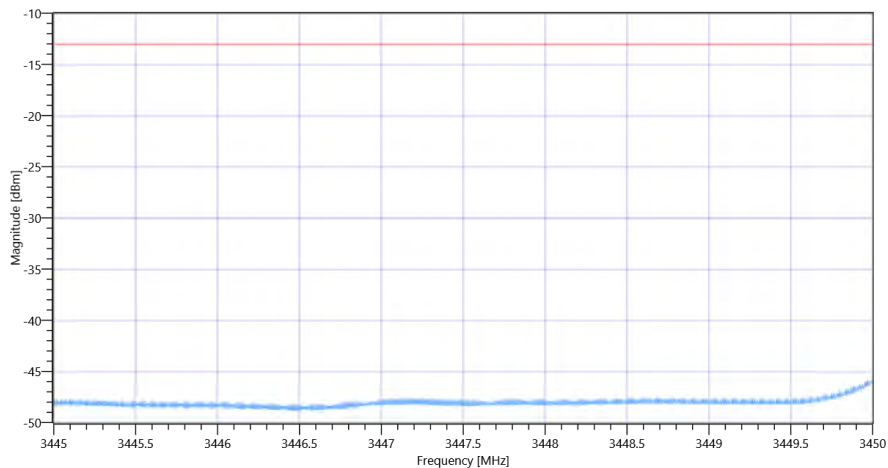
Test freq: low, UL[MHz]/CH 3485/0, CBW [MHz]: 70, RB_100PCT, Mod: 256QAM

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

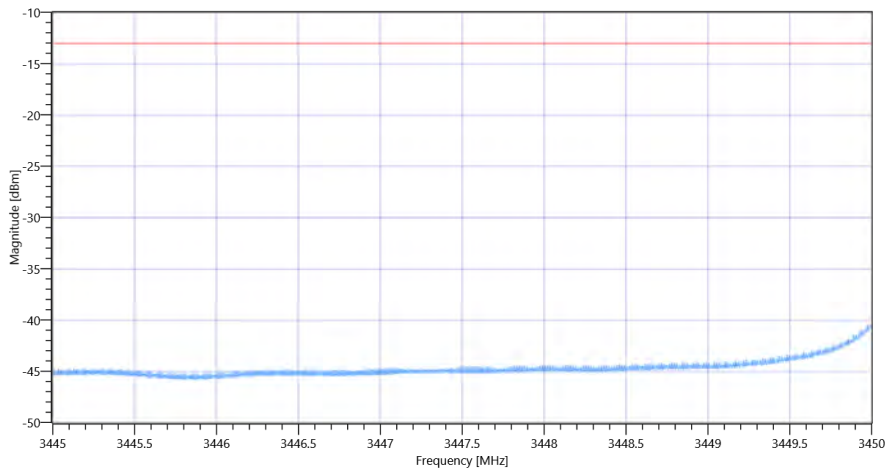
Test freq: low, UL[MHz]/CH 3480/0, CBW [MHz]: 60, RB_100PCT, Mod: QPSK

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:

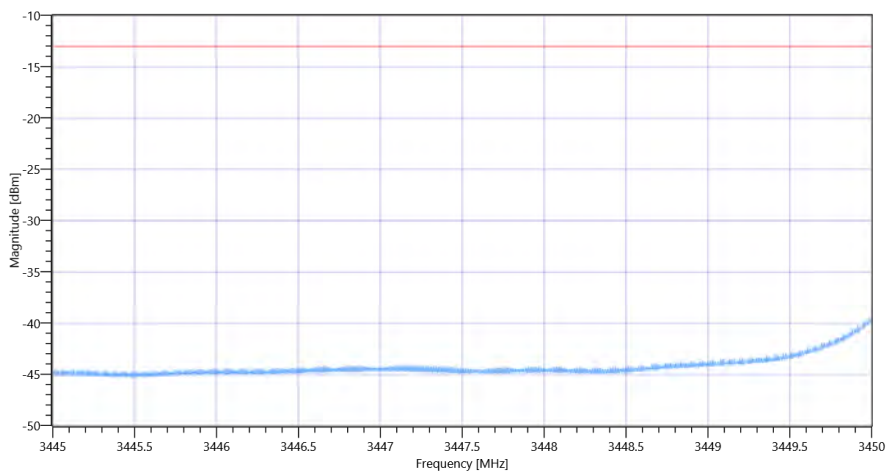
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.71 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

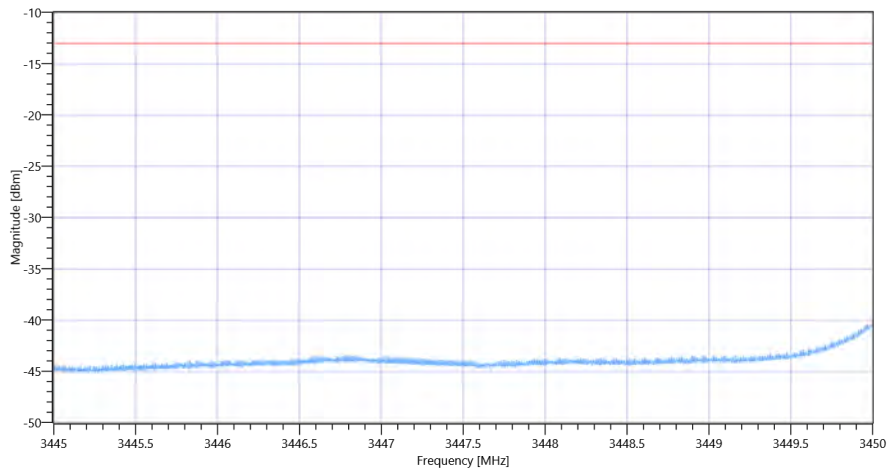
Test freq: low, UL[MHz]/CH 3480/0, CBW [MHz]: 60, RB_100PCT, Mod: 64QAM

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

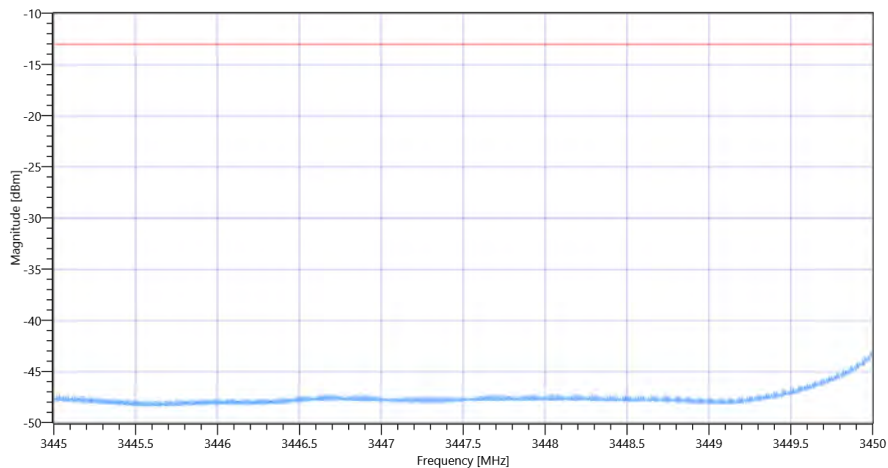
Test freq: low, UL[MHz]/CH 3480/0, CBW [MHz]: 60, RB_100PCT, Mod: 256QAM

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

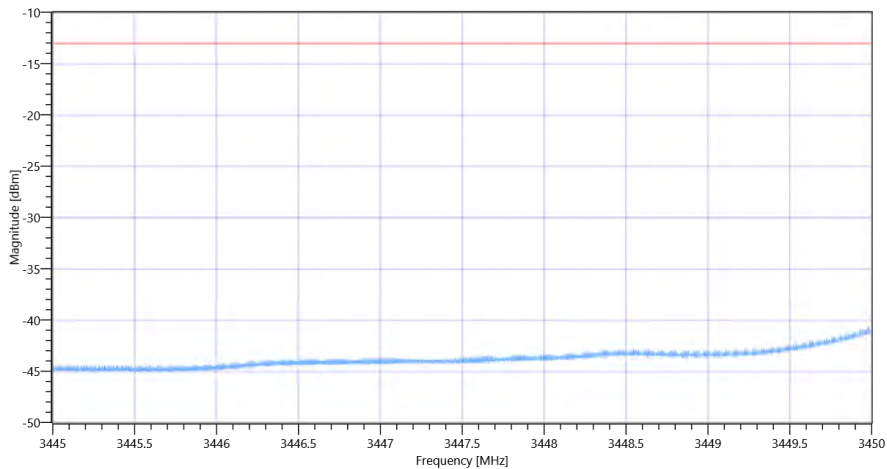
Test freq: low, UL[MHz]/CH 3475/0, CBW [MHz]: 50, RB_100PCT, Mod: QPSK

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:

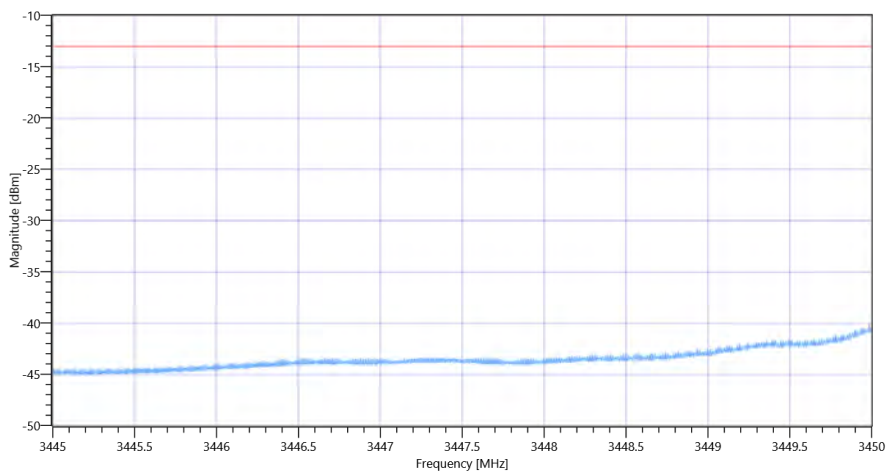
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.91 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

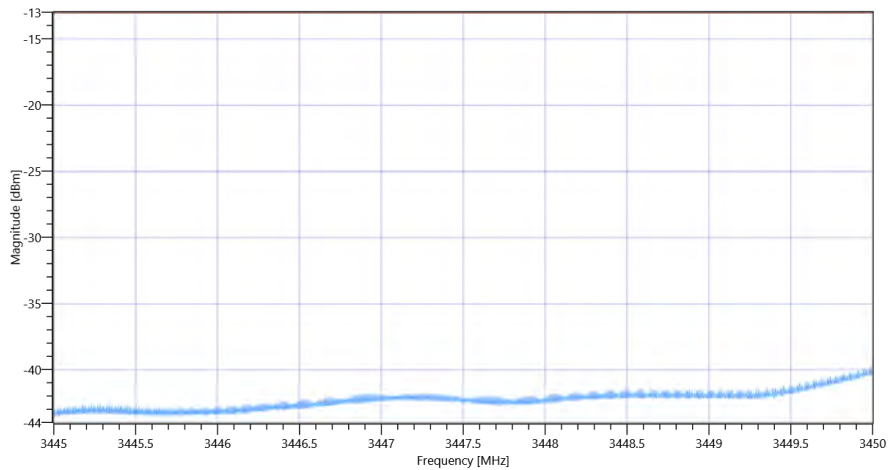
Test freq: low, UL[MHz]/CH 3475/0, CBW [MHz]: 50, RB_100PCT, Mod: 64QAM

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

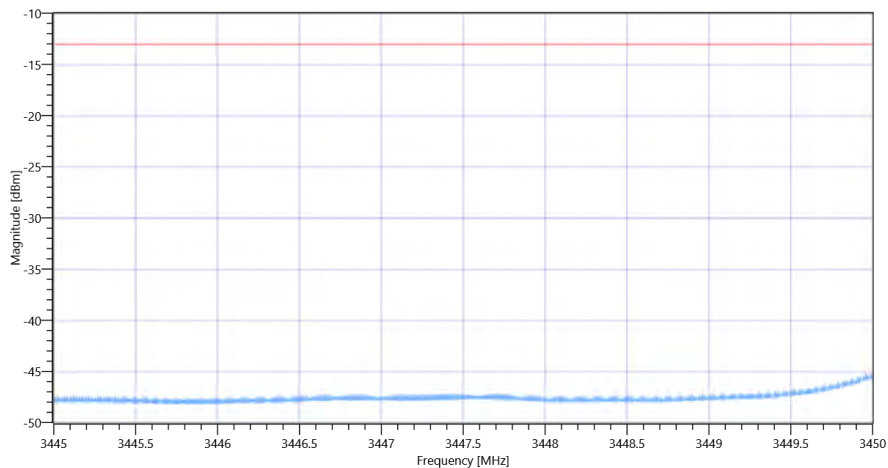
Test freq: low, UL[MHz]/CH 3475/0, CBW [MHz]: 50, RB_100PCT, Mod: 256QAM

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

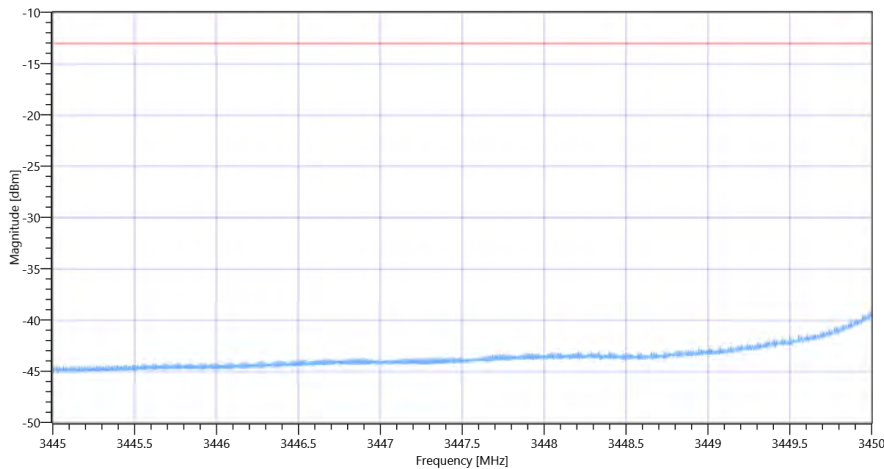
Test freq: low, UL[MHz]/CH 3470/0, CBW [MHz]: 40, RB_100PCT, Mod: QPSK

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:

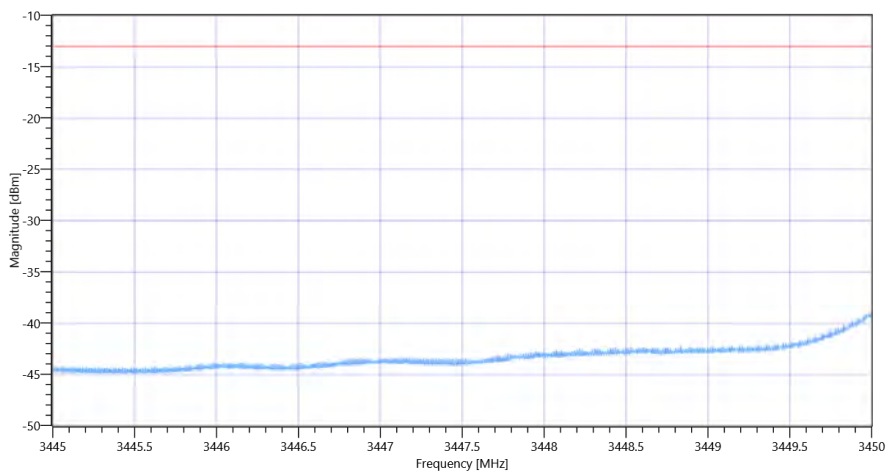
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.39 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

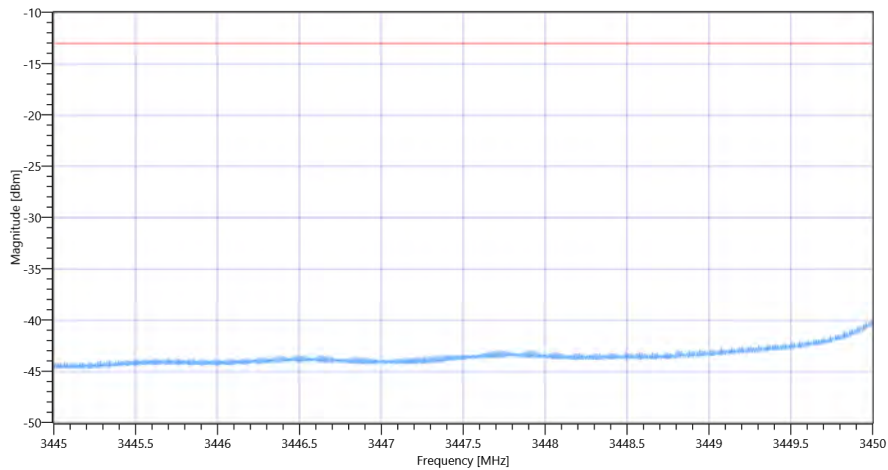
Test freq: low, UL[MHz]/CH 3470/0, CBW [MHz]: 40, RB_100PCT, Mod: 64QAM

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

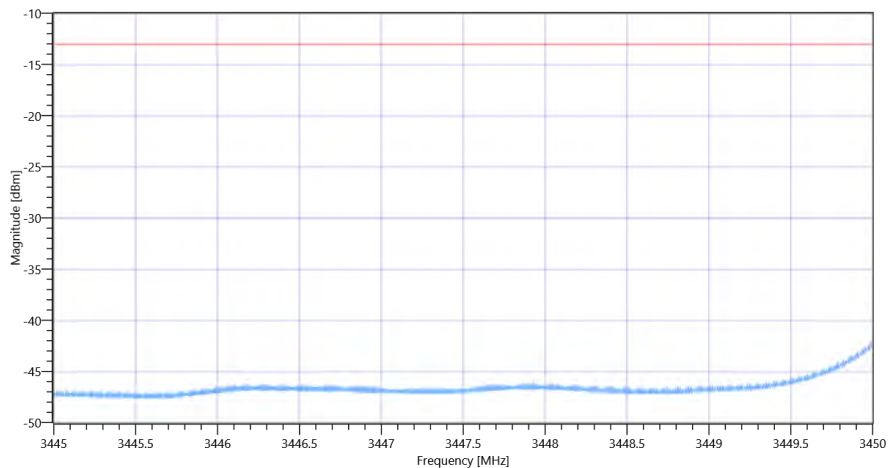
Test freq: low, UL[MHz]/CH 3470/0, CBW [MHz]: 40, RB_100PCT, Mod: 256QAM

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

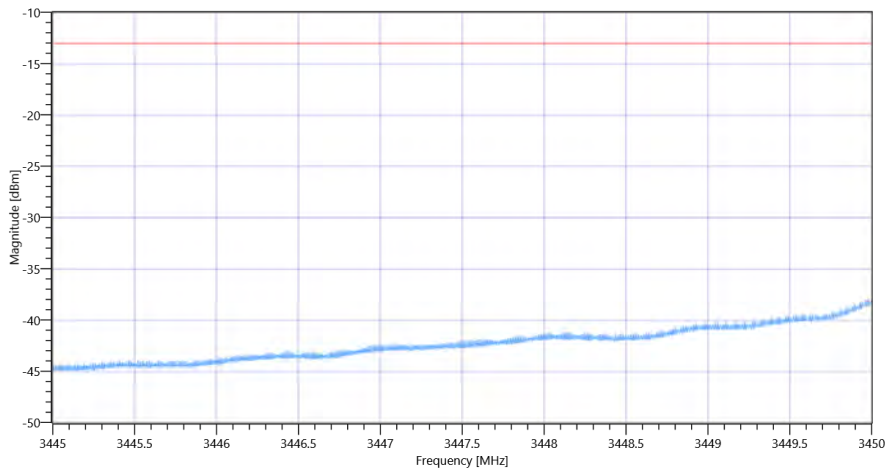
Test freq: low, UL[MHz]/CH 3465/0, CBW [MHz]: 30, RB_100PCT, Mod: QPSK

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:

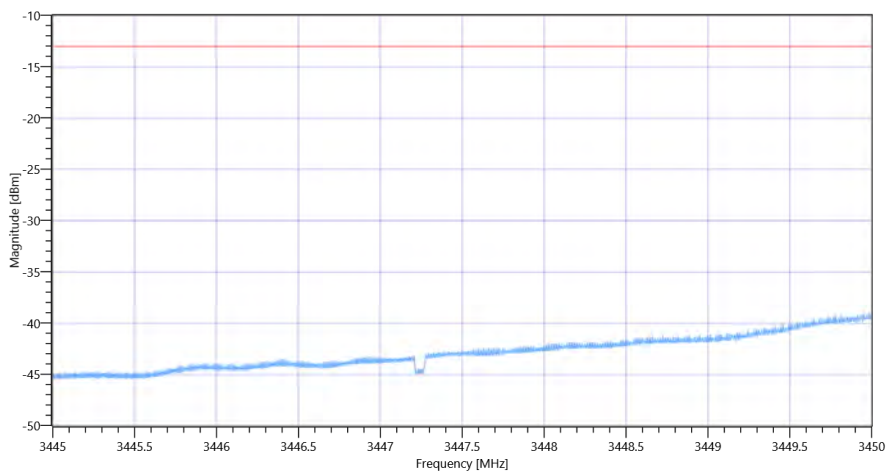
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.20 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

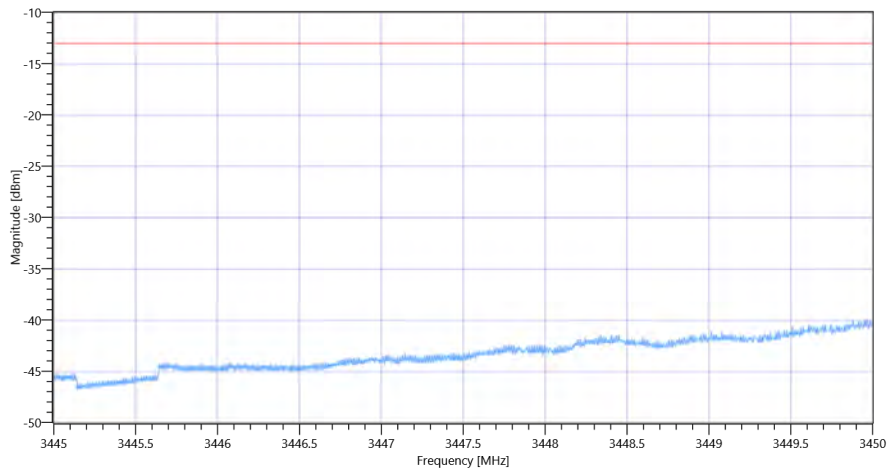
Test freq: low, UL[MHz]/CH 3465/0, CBW [MHz]: 30, RB_100PCT, Mod: 64QAM

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

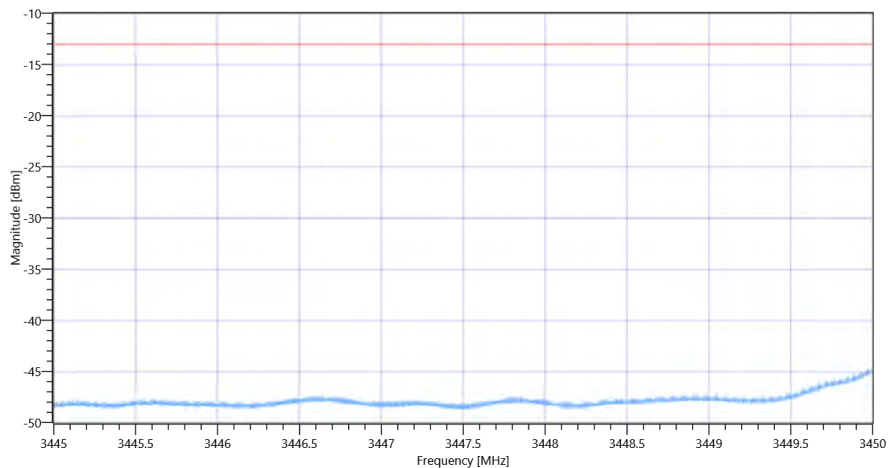
Test freq: low, UL[MHz]/CH 3465/0, CBW [MHz]: 30, RB_100PCT, Mod: 256QAM

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

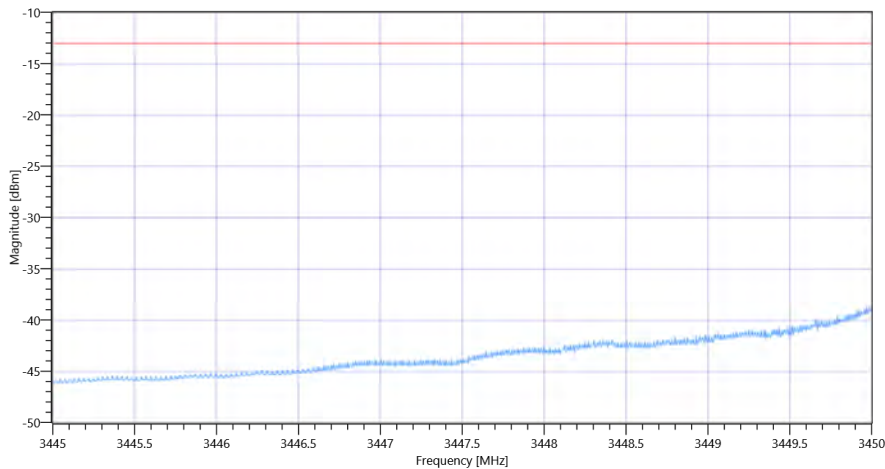
Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	

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

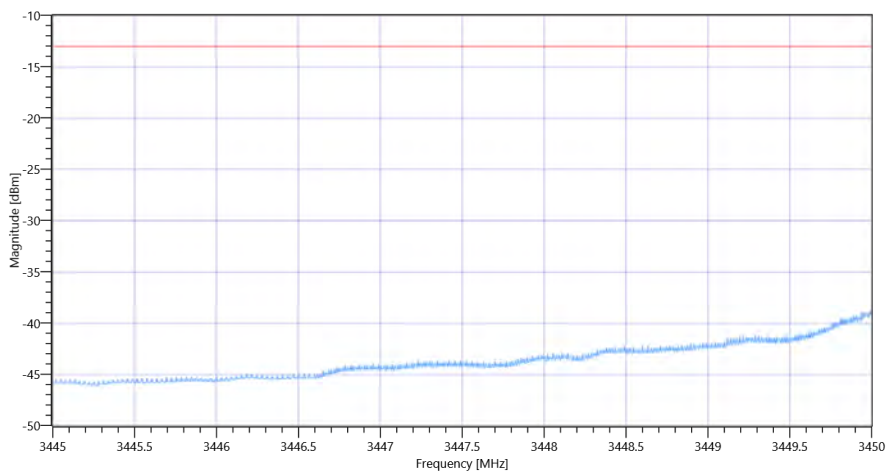
Test freq: low, UL[MHz]/CH 3460/0, CBW [MHz]: 20, RB_100PCT, Mod: 16QAM

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

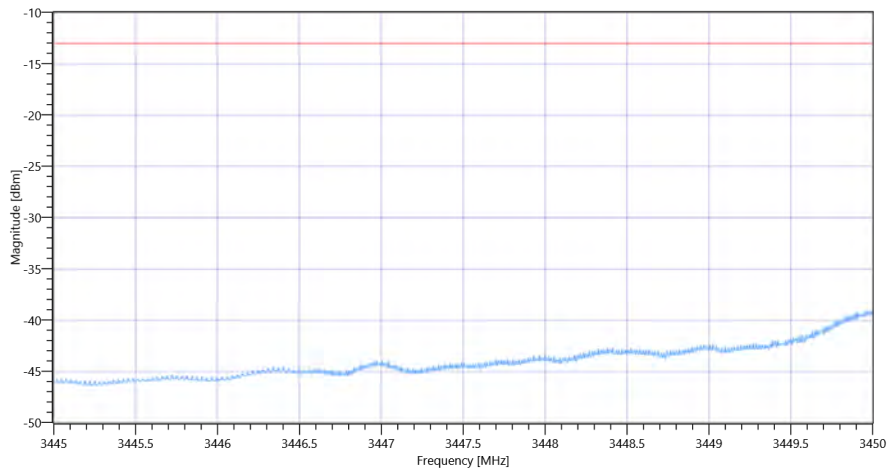
Test freq: low, UL[MHz]/CH 3460/0, CBW [MHz]: 20, RB_100PCT, Mod: 64QAM

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

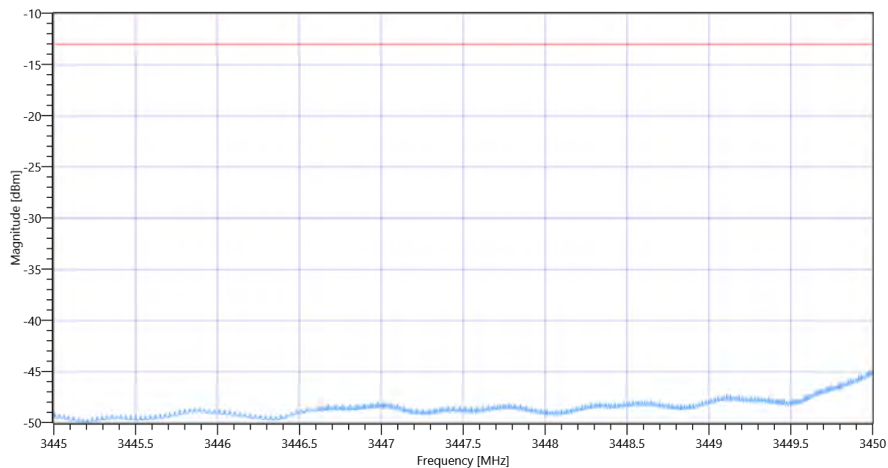
Test freq: low, UL[MHz]/CH 3460/0, CBW [MHz]: 20, RB_100PCT, Mod: 256QAM

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

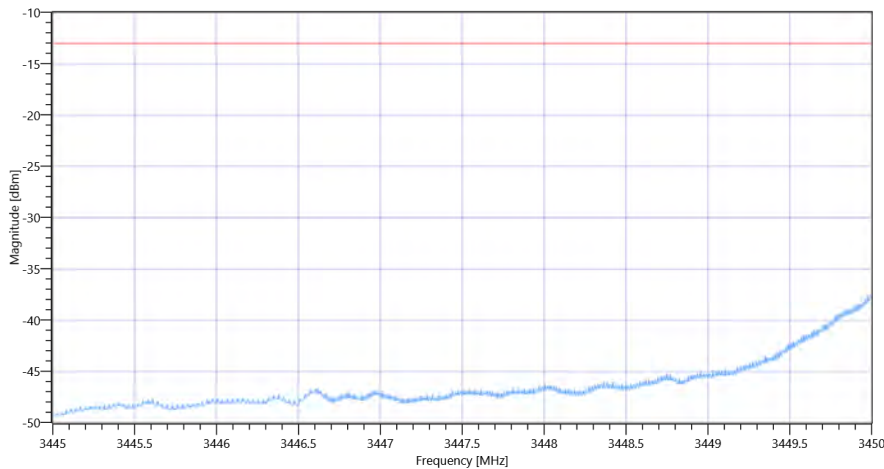
Test freq: low, UL[MHz]/CH 3455/0, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

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:

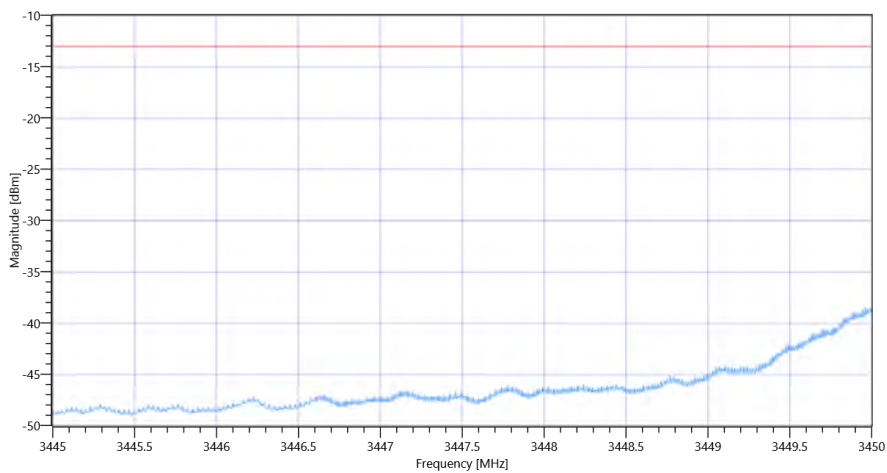
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.87 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

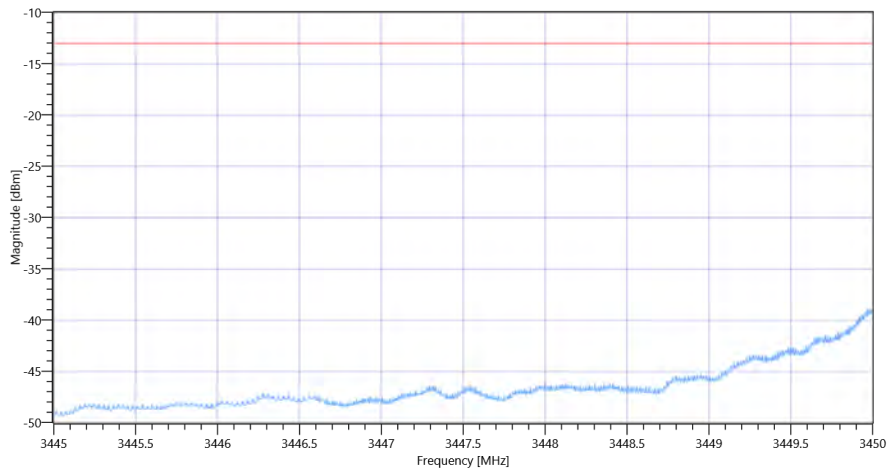
Test freq: low, UL[MHz]/CH 3455/0, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

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

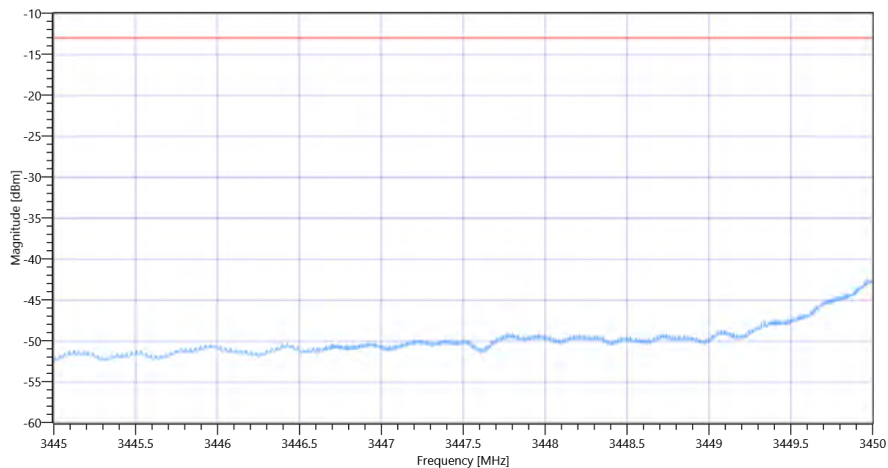
Test freq: low, UL[MHz]/CH 3455/0, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

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

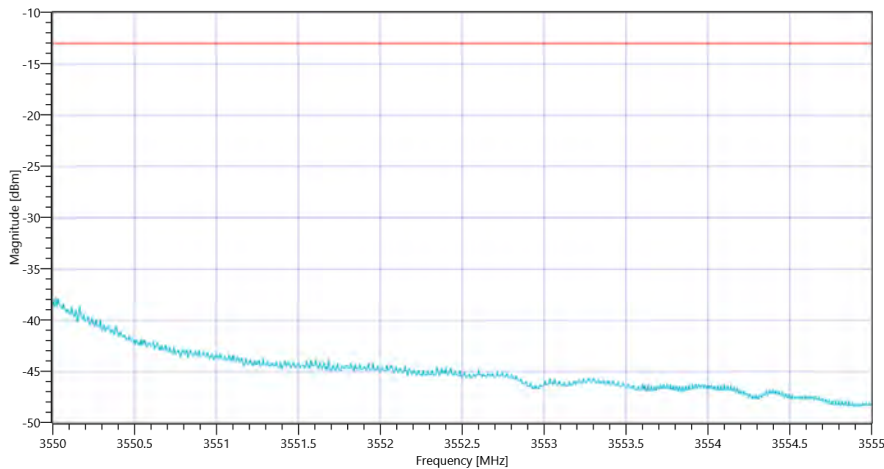
Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

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:

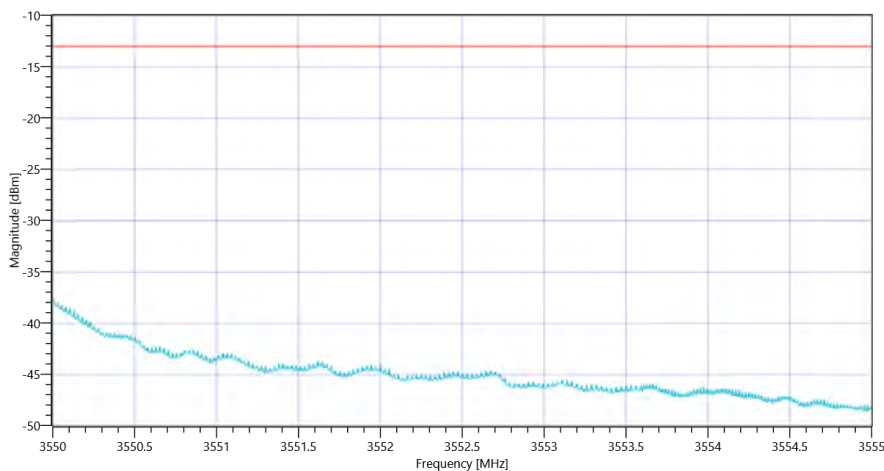
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.37 0 35
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

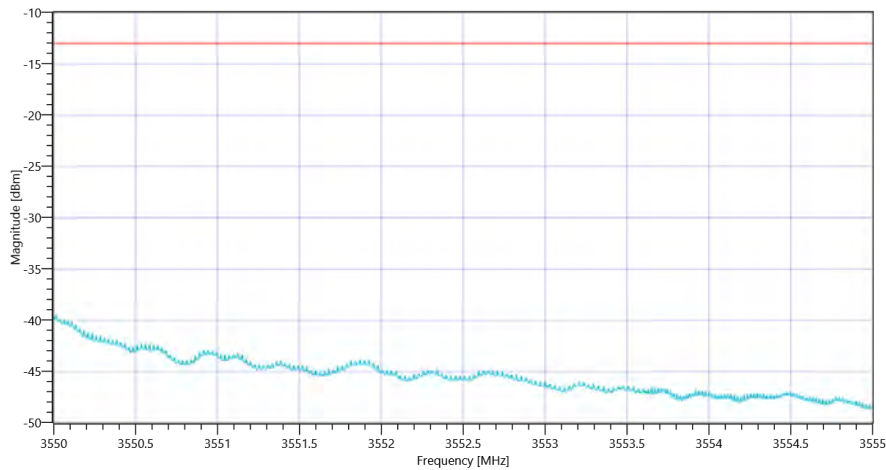
Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

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



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

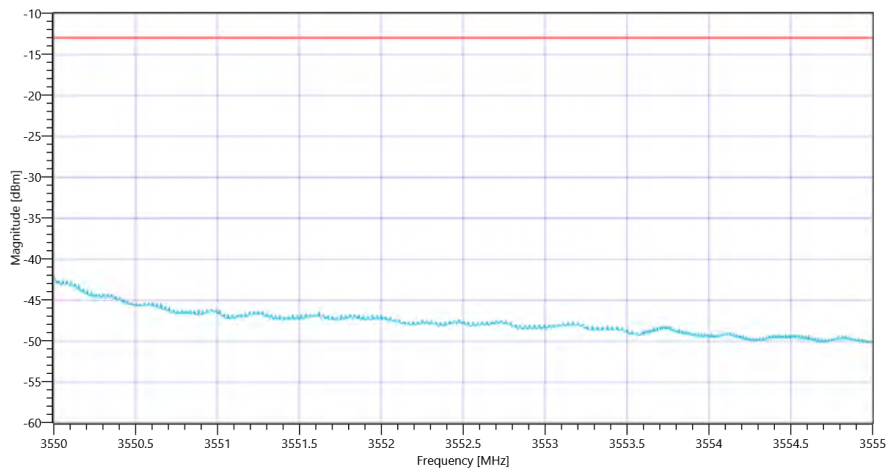
Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

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

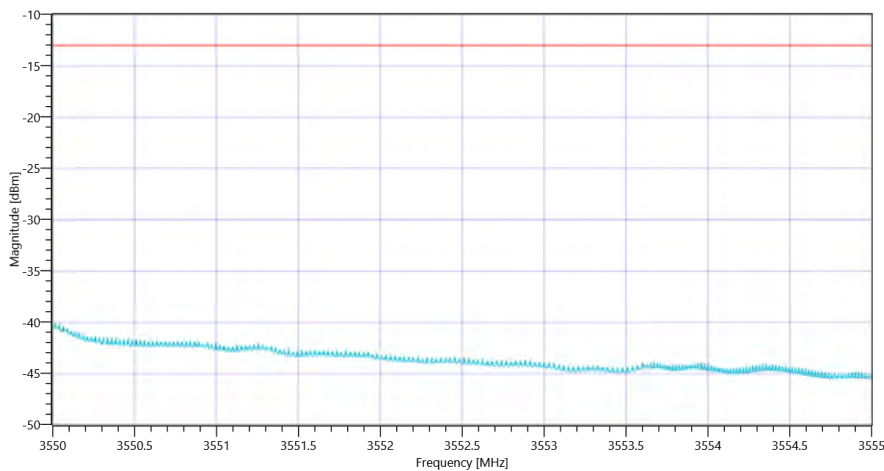
Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB_100PCT, Mod: QPSK

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:

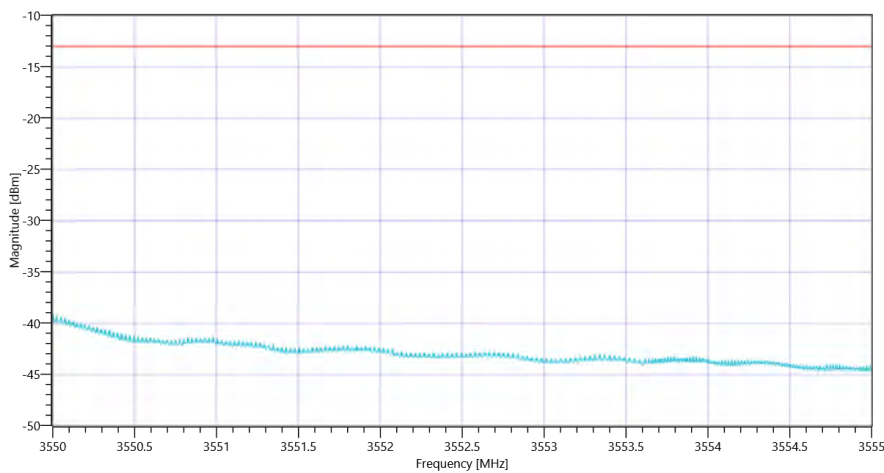
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.52 0 35
Start [MHz] Stop [MHz]	3550.000 3555.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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

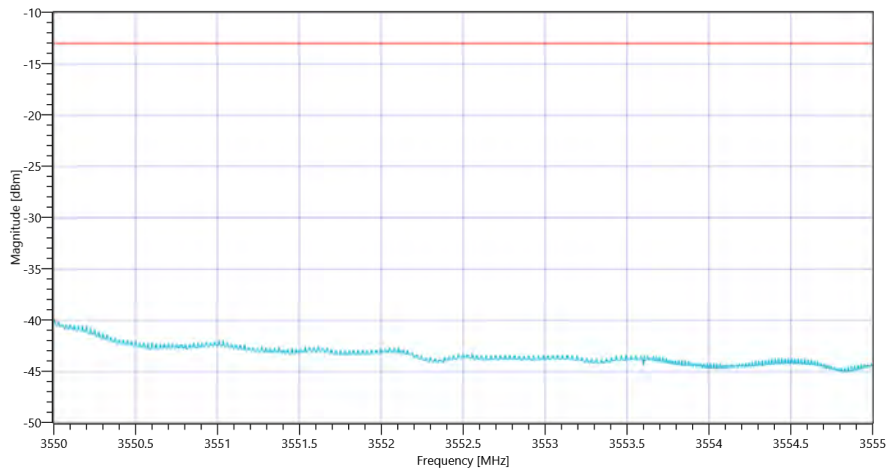
Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB_100PCT, Mod: 64QAM

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



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

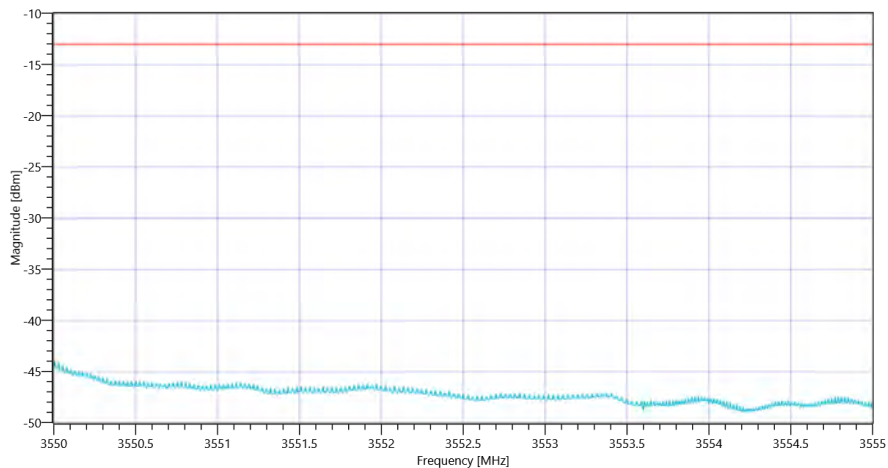
Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB_100PCT, Mod: 256QAM

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

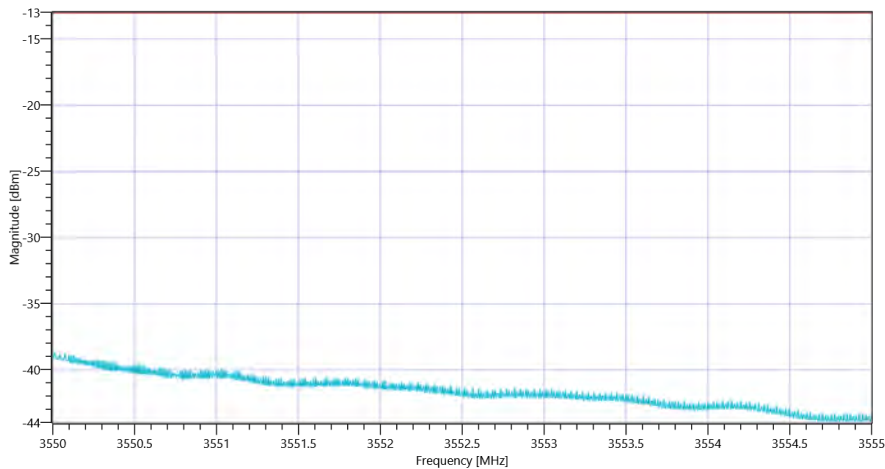
Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	

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

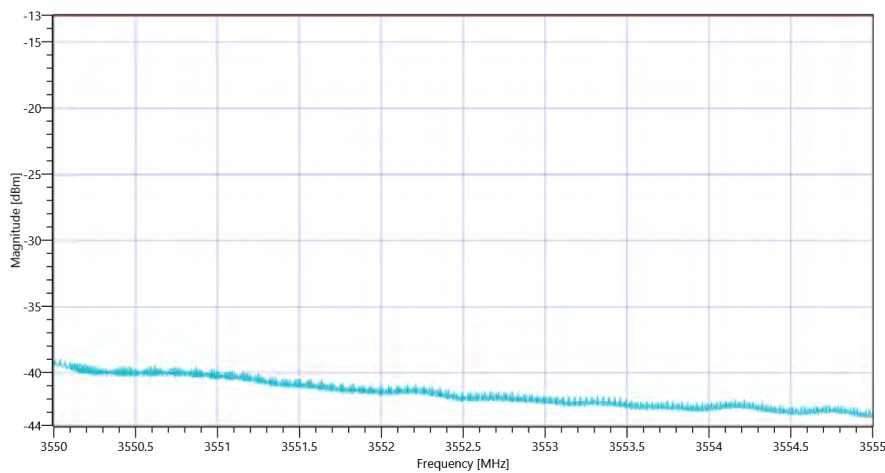
Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB_100PCT, Mod: 16QAM

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

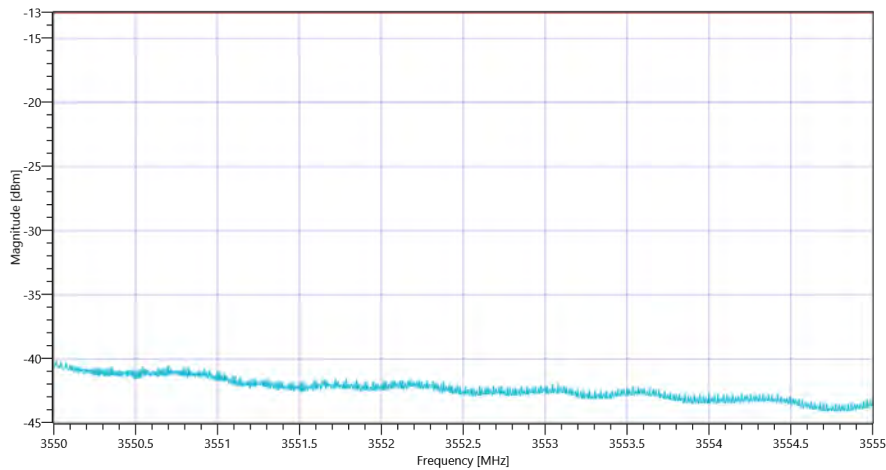
Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB_100PCT, Mod: 64QAM

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

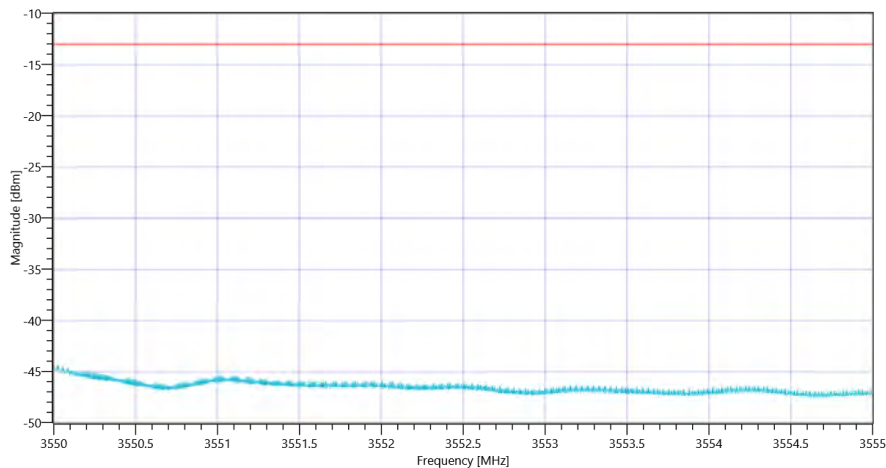
Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB_100PCT, Mod: 256QAM

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

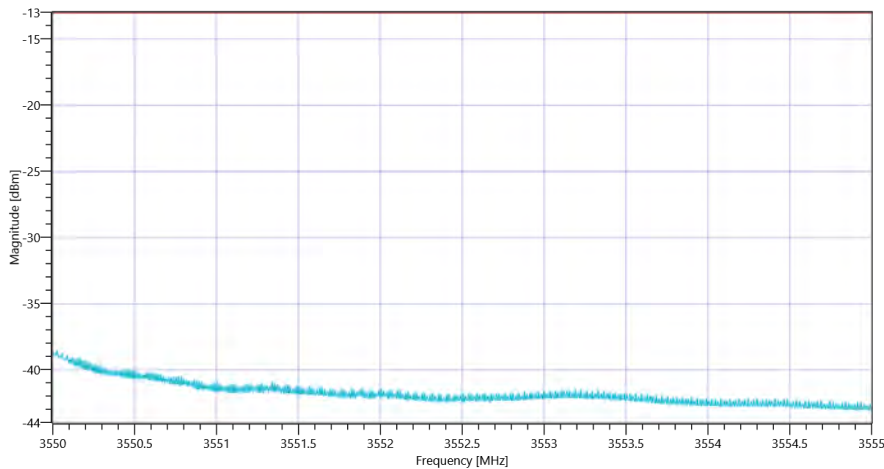
Test Equipment	
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70	

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					