

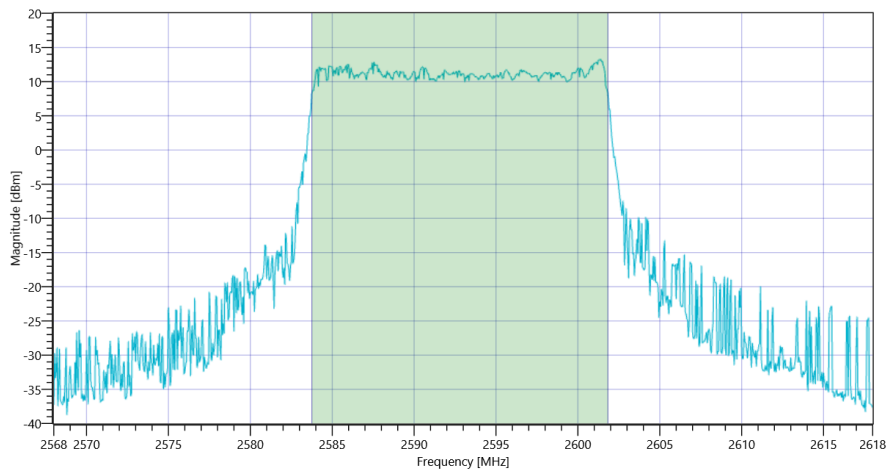
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-1 SCS-30 26dB

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	18.082	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.74 0 30
Start [MHz] Stop [MHz]	2568.000 2618.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-1 SCS-30 26dB

UL[MHz]/CH 2593/0 , CBW [MHz]: 20 , RB_100PCT , Mod: 256QAM

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	15.76	dBm	INFO
Ref. Frequency	---	---	2600.990	MHz	INFO

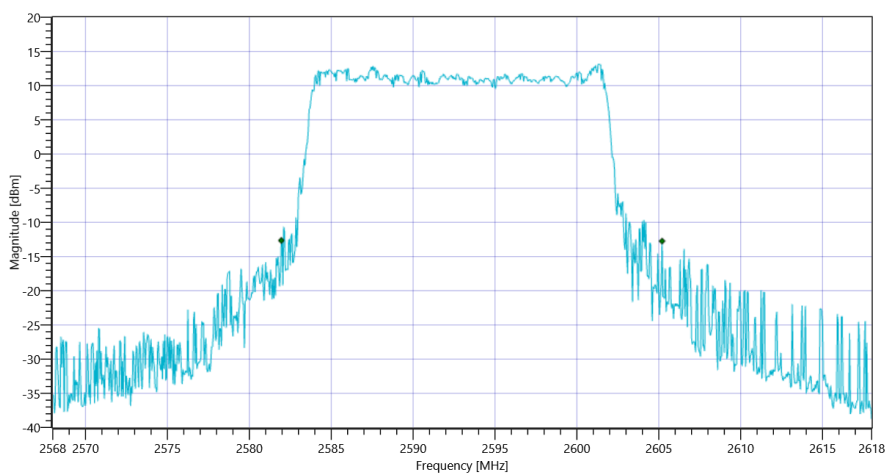
READ SA SETTINGS:

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.76 0 30
Start [MHz] Stop [MHz]	2568.000 2618.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	23.25	MHz	INFO



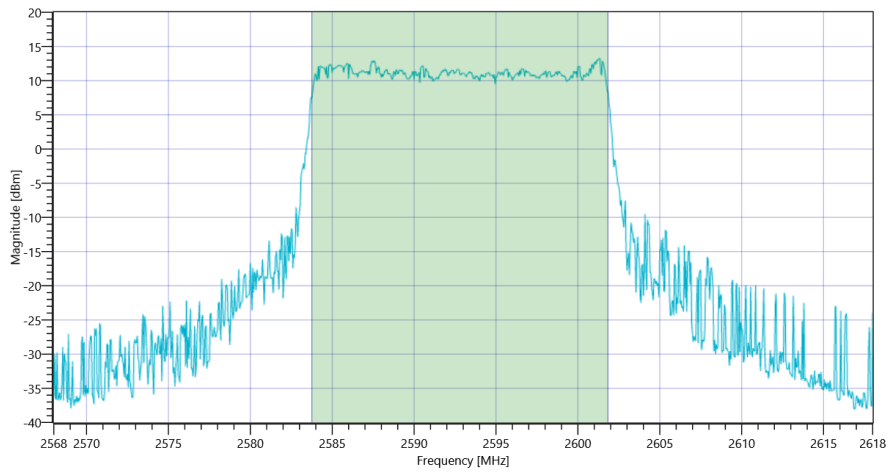
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-1 SCS-30 26dB

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	18.082	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.76 0 30
Start [MHz] Stop [MHz]	2568.000 2618.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE



General verdict

PASS

FCC/ISED Block edge conducted ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 QPSK RB_100PCT

Test References	
TC Start	25.04.2022 18:40:13
Ambit Temp [°C] Humidity [rel%]	27.2 30
System Version	3.0.6.3
Test Specification	Mobile Radio 5G
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge cond - 5G Band_X
Add. Information	

Test Parameter	
Technology to test	Mobile Radio 5G
Band	Band_41
Antenna Port used	2
Max Trans. BW [MHz]	20
Subcarrier spacing [MHz]	15
Modulation	QPSK
Resource block	RB_100PCT
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2506.02
Frequency mid to test	False Freq [MHz] 2592.99
Frequency high to test	False Freq [MHz] 2679.99
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 TX 2506.02 MHz

RESULT: Reference Power cond.

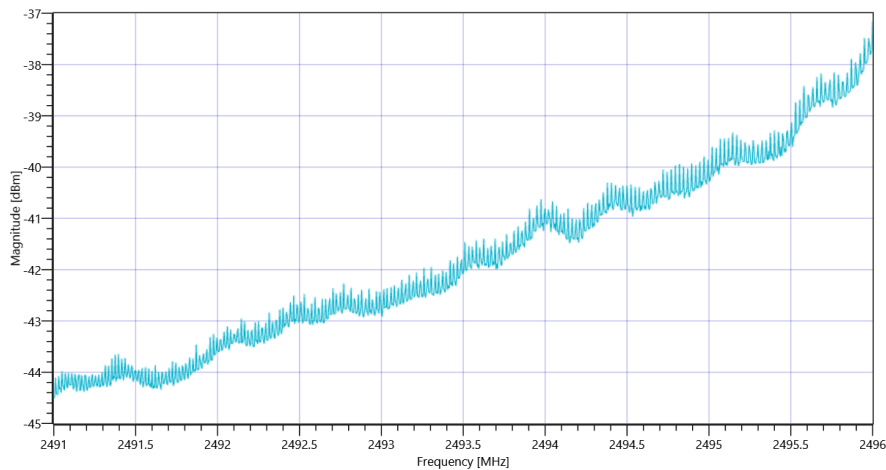
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	16.22	dBm	INFO
Ref. Frequency	---	---	2513.410	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	24.22 0 40
Start [MHz] Stop [MHz]	2491.000 2496.000
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] 2496.5	---	-13	-32.38	dBm	PASS
Frequency [MHz] 2497.5	---	-13	-34	dBm	PASS
Frequency [MHz] 2498.5	---	-13	-35.24	dBm	PASS
Frequency [MHz] 2499.5	---	-13	-36.28	dBm	PASS
Frequency [MHz] 2500.5	---	-13	-37.35	dBm	PASS



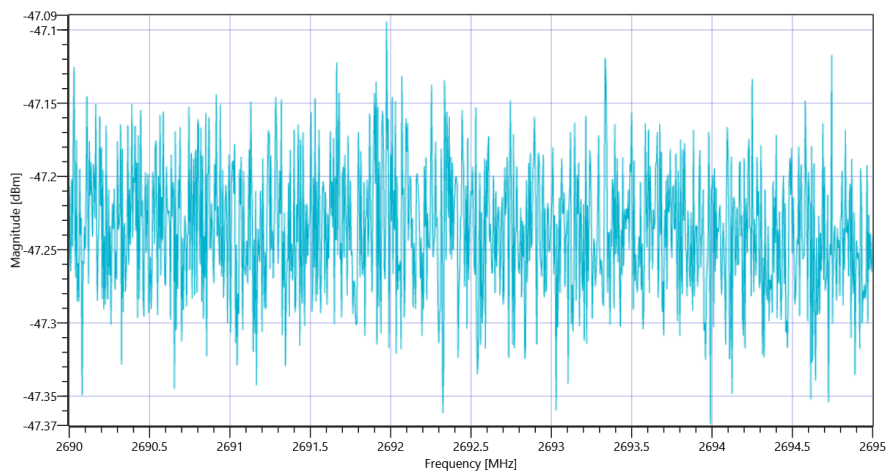
FCC-ISED Block edge conducted ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 QPSK RB_100PCT

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	24.22 0 40
Start [MHz] Stop [MHz]	2690.000 2695.000
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] 2690.5	---	-13	-40.51	dBm	PASS
Frequency [MHz] 2691.5	---	-13	-40.52	dBm	PASS
Frequency [MHz] 2692.5	---	-13	-40.52	dBm	PASS
Frequency [MHz] 2693.5	---	-13	-40.52	dBm	PASS
Frequency [MHz] 2694.5	---	-13	-40.53	dBm	PASS



FCC-ISED Block edge conducted ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 QPSK RB_100PCT

General verdict

PASS

FCC/ISED TX Emissions conducted ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 QPSK RB_100PCT

Test References	
TC Start	25.04.2022 18:42:00
Ambit Temp [°C] Humidity [rel%]	27.2 30
System Version	3.0.6.3
Test Specification	Mobile Radio 5G
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio TX Emissions conducted - 5G Band_X
Add. Information	

Test Parameter	
Technology to test	Mobile Radio 5G
Band	Band_41
Antenna Port used	2
Max Trans. BW [MHz]	20
Subcarrier spacing [MHz]	15
Modulation	QPSK
Resource block	RB_100PCT
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2506.02
Frequency mid to test	False Freq [MHz] 2592.99
Frequency high to test	False Freq [MHz] 2679.99
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 TX 2506.02 MHz

RESULT: Reference Power cond.

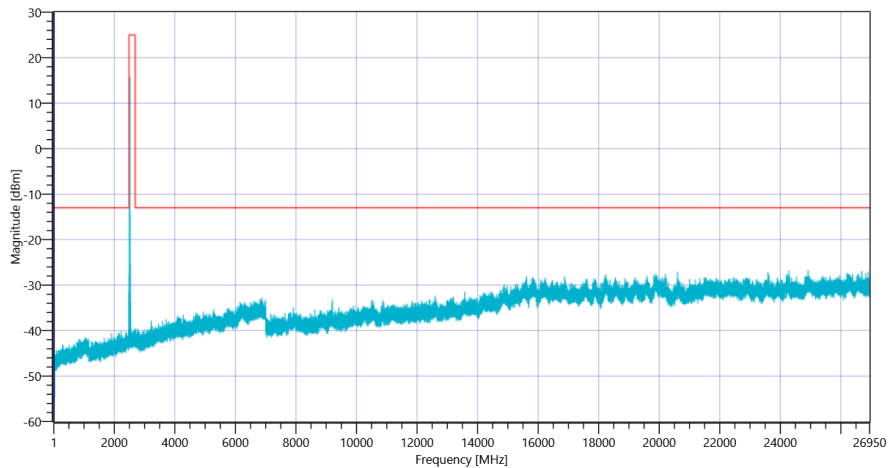
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	15.07	dBm	INFO
Ref. Frequency	---	---	2512.110	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.07 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	200 1 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peaks higher limit	---	0	0	no	PASS



FCC-ISED TX Emissions conducted ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 QPSK RB_100PCT 2506.02 MHz

General verdict

PASS

FCC/ISED TX Emissions conducted ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 QPSK RB_100PCT

Test References	
TC Start	25.04.2022 18:44:15
Ambit Temp [°C] Humidity [rel%]	27.1 29
System Version	3.0.6.3
Test Specification	Mobile Radio 5G
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio TX Emissions conducted - 5G Band_X
Add. Information	

Test Parameter	
Technology to test	Mobile Radio 5G
Band	Band_41
Antenna Port used	2
Max Trans. BW [MHz]	20
Subcarrier spacing [MHz]	15
Modulation	QPSK
Resource block	RB_100PCT
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2506.02
Frequency mid to test	True Freq [MHz] 2592.99
Frequency high to test	False Freq [MHz] 2679.99
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 TX 2592.99 MHz

RESULT: Reference Power cond.

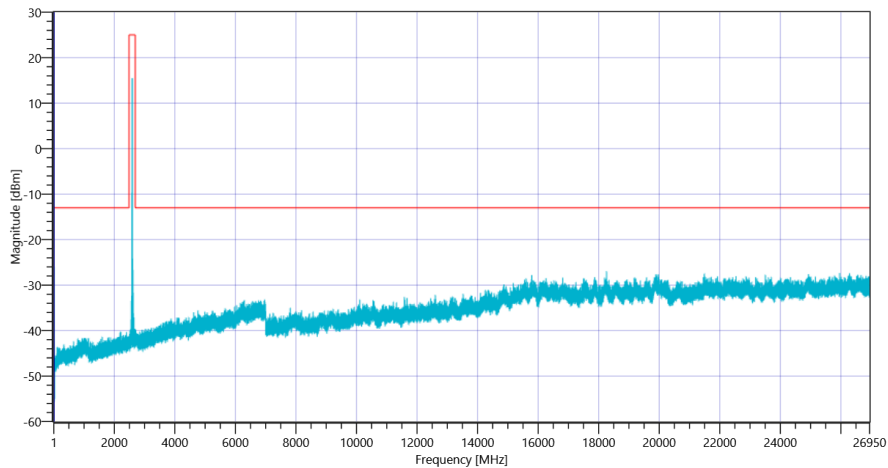
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	15.41	dBm	INFO
Ref. Frequency	---	---	2598.280	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.41 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	200 1 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peaks higher limit	---	0	0	no	PASS



FCC-ISED TX Emissions conducted ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 QPSK RB_100PCT 2592.99 MHz

General verdict

PASS

FCC/ISED Block edge conducted ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 QPSK RB_100PCT

Test References	
TC Start	25.04.2022 18:51:23
Ambit Temp [°C] Humidity [rel%]	27.0 30
System Version	3.0.6.3
Test Specification	Mobile Radio 5G
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge cond - 5G Band_X
Add. Information	

Test Parameter	
Technology to test	Mobile Radio 5G
Band	Band_41
Antenna Port used	2
Max Trans. BW [MHz]	20
Subcarrier spacing [MHz]	15
Modulation	QPSK
Resource block	RB_100PCT
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2506.02
Frequency mid to test	False Freq [MHz] 2592.99
Frequency high to test	True Freq [MHz] 2679.99
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 TX 2679.99 MHz

RESULT: Reference Power cond.

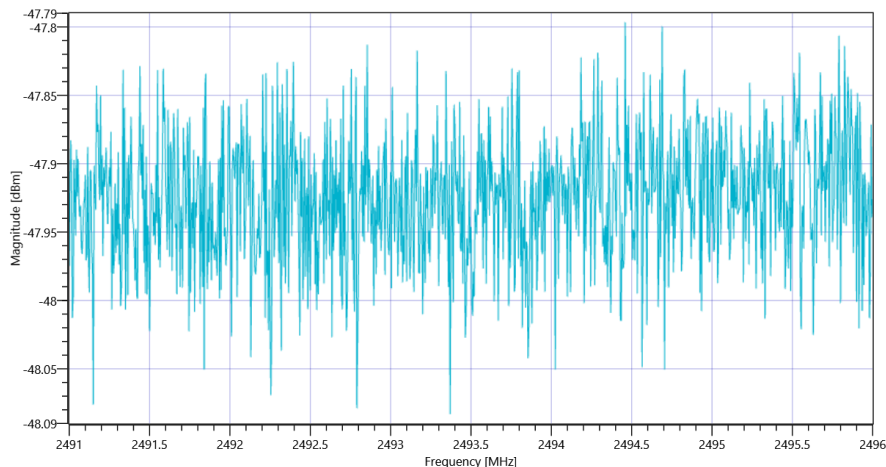
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	15.58	dBm	INFO
Ref. Frequency	---	---	2677.590	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.58 0 40
Start [MHz] Stop [MHz]	2491.000 2496.000
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] 2496.5	---	-13	-41.2	dBm	PASS
Frequency [MHz] 2497.5	---	-13	-41.2	dBm	PASS
Frequency [MHz] 2498.5	---	-13	-41.22	dBm	PASS
Frequency [MHz] 2499.5	---	-13	-41.21	dBm	PASS
Frequency [MHz] 2500.5	---	-13	-41.21	dBm	PASS



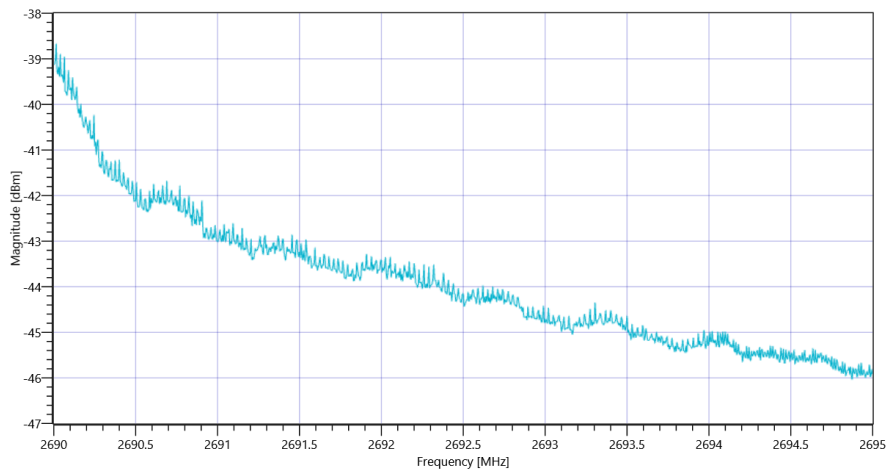
FCC-ISED Block edge conducted ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 QPSK RB_100PCT

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.58 0 40
Start [MHz] Stop [MHz]	2690.000 2695.000
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] 2690.5	---	-13	-34.65	dBm	PASS
Frequency [MHz] 2691.5	---	-13	-36.59	dBm	PASS
Frequency [MHz] 2692.5	---	-13	-37.39	dBm	PASS
Frequency [MHz] 2693.5	---	-13	-38.26	dBm	PASS
Frequency [MHz] 2694.5	---	-13	-38.83	dBm	PASS



FCC-ISED Block edge conducted ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 QPSK RB_100PCT

General verdict

PASS

FCC/ISED TX Emissions conducted ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 QPSK RB_100PCT

Test References	
TC Start	25.04.2022 18:57:53
Ambit Temp [°C] Humidity [rel%]	26.9 30
System Version	3.0.6.3
Test Specification	Mobile Radio 5G
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio TX Emissions conducted - 5G Band_X
Add. Information	

Test Parameter	
Technology to test	Mobile Radio 5G
Band	Band_41
Antenna Port used	2
Max Trans. BW [MHz]	20
Subcarrier spacing [MHz]	15
Modulation	QPSK
Resource block	RB_100PCT
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2506.02
Frequency mid to test	False Freq [MHz] 2592.99
Frequency high to test	True Freq [MHz] 2679.99
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 TX 2679.99 MHz

RESULT: Reference Power cond.

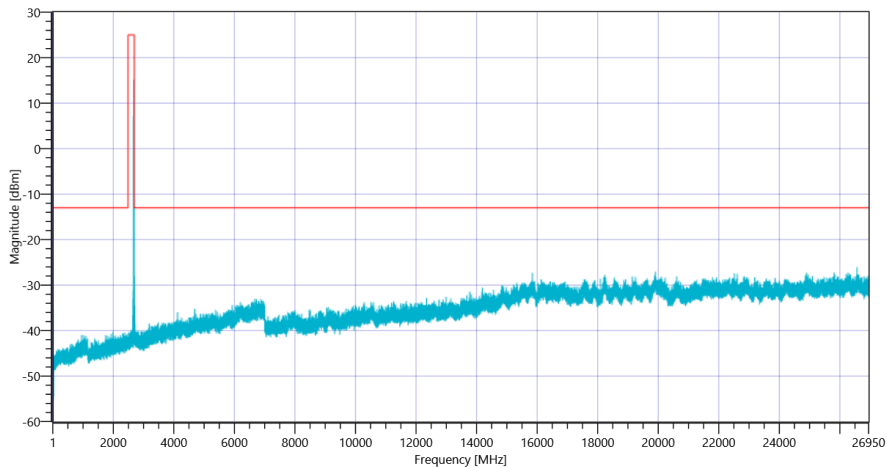
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	17.80	dBm	INFO
Ref. Frequency	---	---	2675.890	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.80 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	200 1 1001 SWE

RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peaks higher limit	---	0	0	no	PASS



FCC-ISED TX Emissions conducted ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 QPSK RB_100PCT 2679.99 MHz

General verdict

PASS

FCC/ISED Bandwidths ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 16QAM RB_100PCT

Test References	
TC Start	21.04.2022 15:08:41
Ambit Temp [°C] Humidity [rel%]	26.3 24
System Version	3.0.6.3
Test Specification	Mobile Radio 5G
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Bandwidths - 5G Band_X
Add. Information	

Test Parameter	
Technology to test	Mobile Radio 5G
Band	Band_41
Antenna Port used	2
Max Trans. BW [MHz]	20
Subcarrier spacing [MHz]	15
Modulation	16QAM
Resource block	RB_100PCT
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2506.02
Frequency mid to test	False Freq [MHz] 2592.99
Frequency high to test	False Freq [MHz] 2679.99
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 TX 2506.02 MHz (26dB)

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	15.79	dBm	INFO
Ref. Frequency	---	---	2511.610	MHz	INFO

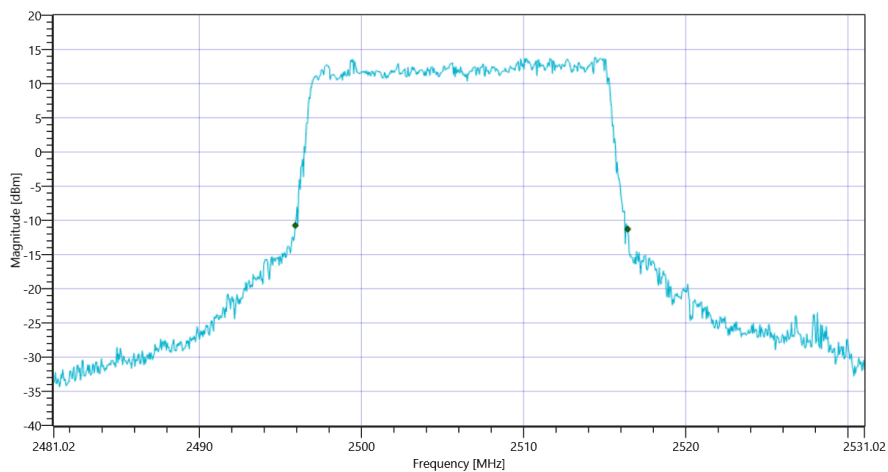
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.79 0 40
Start [MHz] Stop [MHz]	2481.020 2531.020
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.5	MHz	INFO

Plot: Bandwidth only



FCC-ISED Bandwidths ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 16QAM RB_100PCT 26dB

Test at TX 2506.02 MHz (99%)

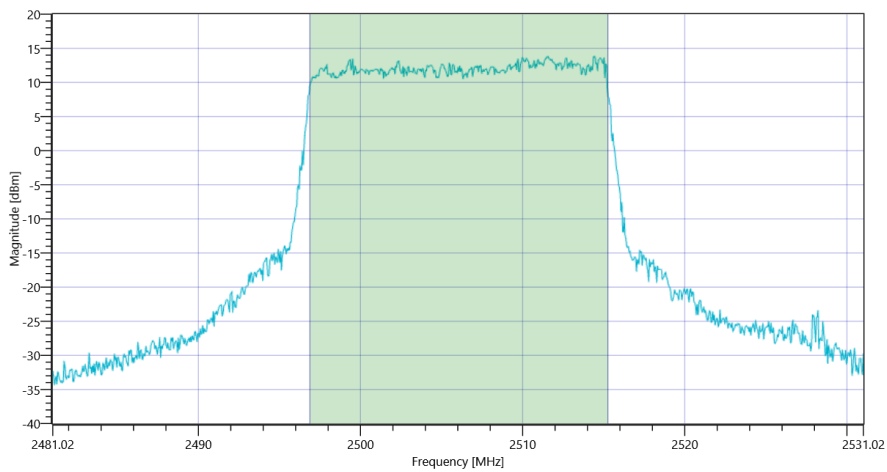
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.79 0 40
Start [MHz] Stop [MHz]	2481.020 2531.020
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS VIEW
Sweep: Time [ms] Count Points per Section Type	1 1500 1001 SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	18.432	MHz	INFO

Plot: Bandwidth only



FCC-ISED Bandwidths ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 16QAM RB_100PCT 26dB

General verdict

PASS

FCC/ISED Bandwidths ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 16QAM RB_100PCT

Test References	
TC Start	21.04.2022 15:12:19
Ambit Temp [°C] Humidity [rel%]	26.4 24
System Version	3.0.6.3
Test Specification	Mobile Radio 5G
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Bandwidths - 5G Band_X
Add. Information	

Test Parameter	
Technology to test	Mobile Radio 5G
Band	Band_41
Antenna Port used	2
Max Trans. BW [MHz]	20
Subcarrier spacing [MHz]	15
Modulation	16QAM
Resource block	RB_100PCT
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2506.02
Frequency mid to test	True Freq [MHz] 2592.99
Frequency high to test	False Freq [MHz] 2679.99
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 TX 2592.99 MHz (26dB)

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	16.80	dBm	INFO
Ref. Frequency	---	---	2601.280	MHz	INFO

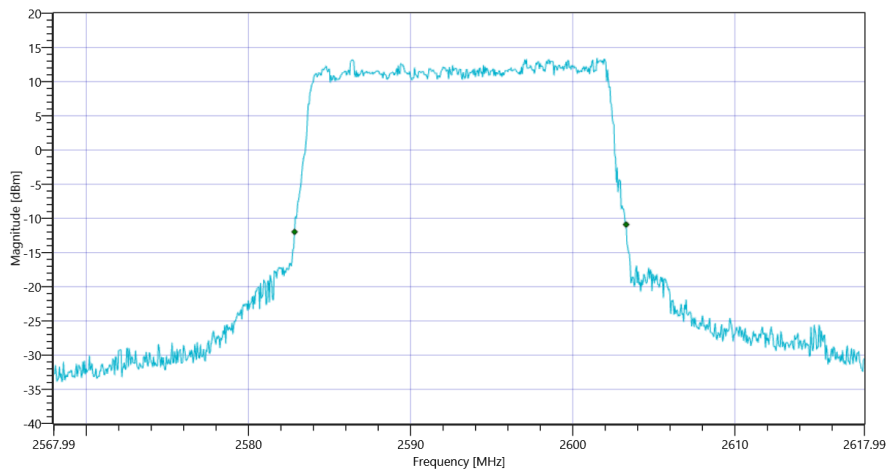
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	24.80 0 40
Start [MHz] Stop [MHz]	2567.990 2617.990
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.45	MHz	INFO

Plot: Bandwidth only



FCC-ISED Bandwidths ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 16QAM RB_100PCT 26dB

Test at TX 2592.99 MHz (99%)

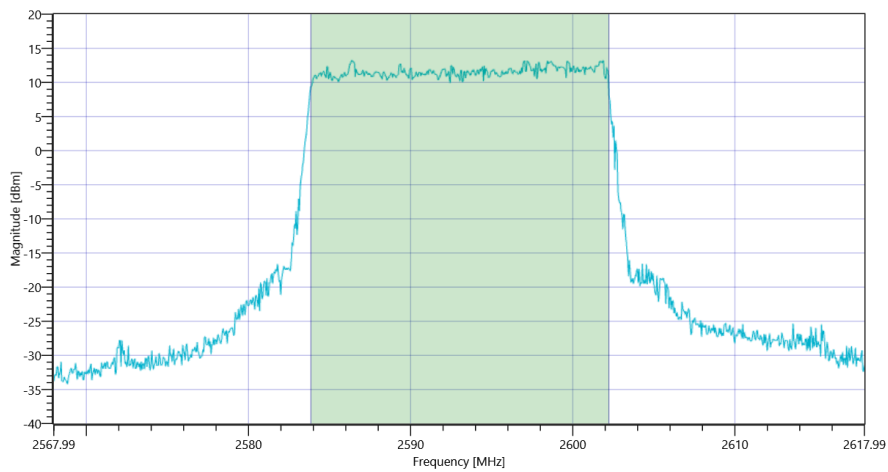
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	24.80 0 40
Start [MHz] Stop [MHz]	2567.990 2617.990
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS VIEW
Sweep: Time [ms] Count Points per Section Type	1 1500 1001 SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	18.432	MHz	INFO

Plot: Bandwidth only



General verdict

PASS

FCC/ISED Bandwidths ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 16QAM RB_100PCT

Test References	
TC Start	21.04.2022 15:17:04
Ambit Temp [°C] Humidity [rel%]	26.4 24
System Version	3.0.6.3
Test Specification	Mobile Radio 5G
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Bandwidths - 5G Band_X
Add. Information	

Test Parameter	
Technology to test	Mobile Radio 5G
Band	Band_41
Antenna Port used	2
Max Trans. BW [MHz]	20
Subcarrier spacing [MHz]	15
Modulation	16QAM
Resource block	RB_100PCT
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2506.02
Frequency mid to test	False Freq [MHz] 2592.99
Frequency high to test	True Freq [MHz] 2679.99
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 TX 2679.99 MHz (26dB)

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	14.88	dBm	INFO
Ref. Frequency	---	---	2680.990	MHz	INFO

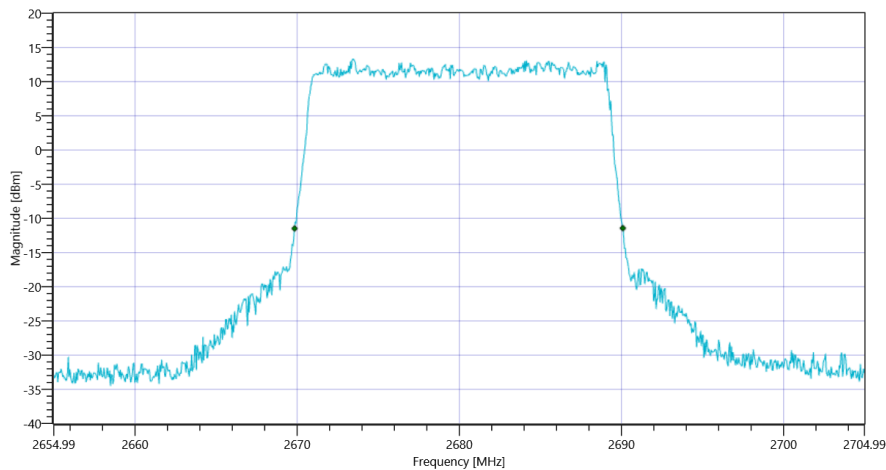
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.88 0 40
Start [MHz] Stop [MHz]	2654.990 2704.990
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.25	MHz	INFO

Plot: Bandwidth only



FCC-ISED Bandwidths ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 16QAM RB_100PCT 26dB

Test at TX 2679.99 MHz (99%)

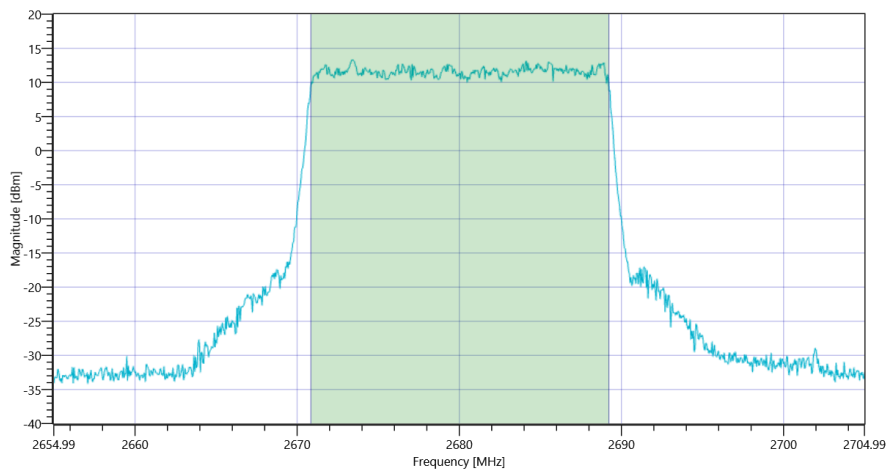
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.88 0 40
Start [MHz] Stop [MHz]	2654.990 2704.990
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS VIEW
Sweep: Time [ms] Count Points per Section Type	1 1500 1001 SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	18.432	MHz	INFO

Plot: Bandwidth only



General verdict

PASS

FCC/ISED Bandwidths ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 64QAM RB_100PCT

Test References	
TC Start	21.04.2022 15:09:29
Ambit Temp [°C] Humidity [rel%]	26.3 24
System Version	3.0.6.3
Test Specification	Mobile Radio 5G
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Bandwidths - 5G Band_X
Add. Information	

Test Parameter	
Technology to test	Mobile Radio 5G
Band	Band_41
Antenna Port used	2
Max Trans. BW [MHz]	20
Subcarrier spacing [MHz]	15
Modulation	64QAM
Resource block	RB_100PCT
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2506.02
Frequency mid to test	False Freq [MHz] 2592.99
Frequency high to test	False Freq [MHz] 2679.99
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 TX 2506.02 MHz (26dB)

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	14.84	dBm	INFO
Ref. Frequency	---	---	2511.910	MHz	INFO

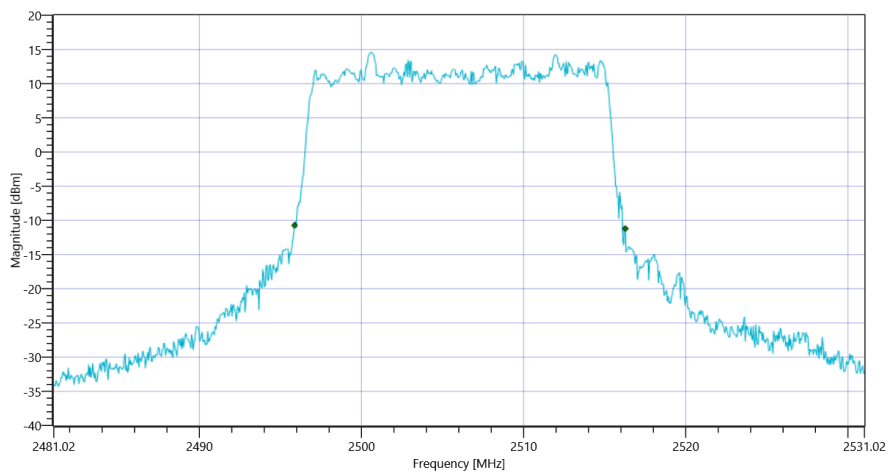
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.84 0 40
Start [MHz] Stop [MHz]	2481.020 2531.020
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.4	MHz	INFO

Plot: Bandwidth only



FCC-ISED Bandwidths ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 64QAM RB_100PCT 26dB

Test at TX 2506.02 MHz (99%)

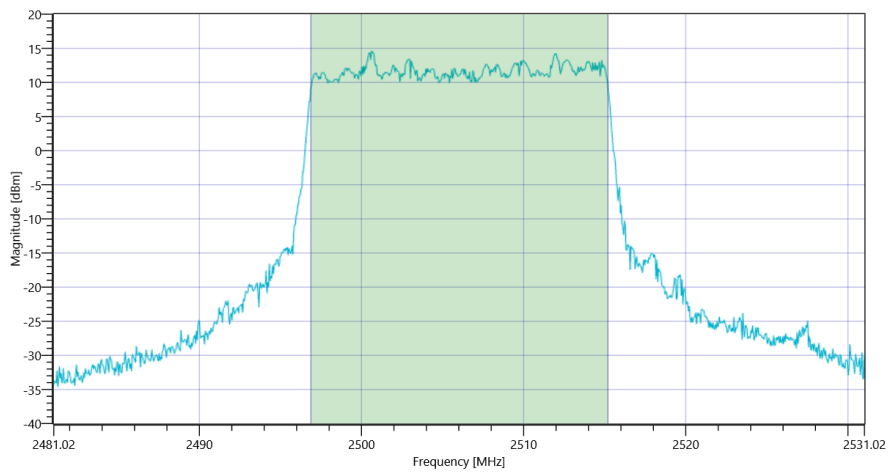
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.84 0 40
Start [MHz] Stop [MHz]	2481.020 2531.020
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS VIEW
Sweep: Time [ms] Count Points per Section Type	1 1500 1001 SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	18.332	MHz	INFO

Plot: Bandwidth only



FCC-ISED Bandwidths ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 64QAM RB_100PCT 26dB

General verdict

PASS

FCC/ISED Bandwidths ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 64QAM RB_100PCT

Test References	
TC Start	21.04.2022 15:13:07
Ambit Temp [°C] Humidity [rel%]	26.4 24
System Version	3.0.6.3
Test Specification	Mobile Radio 5G
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Bandwidths - 5G Band_X
Add. Information	

Test Parameter	
Technology to test	Mobile Radio 5G
Band	Band_41
Antenna Port used	2
Max Trans. BW [MHz]	20
Subcarrier spacing [MHz]	15
Modulation	64QAM
Resource block	RB_100PCT
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2506.02
Frequency mid to test	True Freq [MHz] 2592.99
Frequency high to test	False Freq [MHz] 2679.99
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 TX 2592.99 MHz (26dB)

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	15.58	dBm	INFO
Ref. Frequency	---	---	2596.790	MHz	INFO

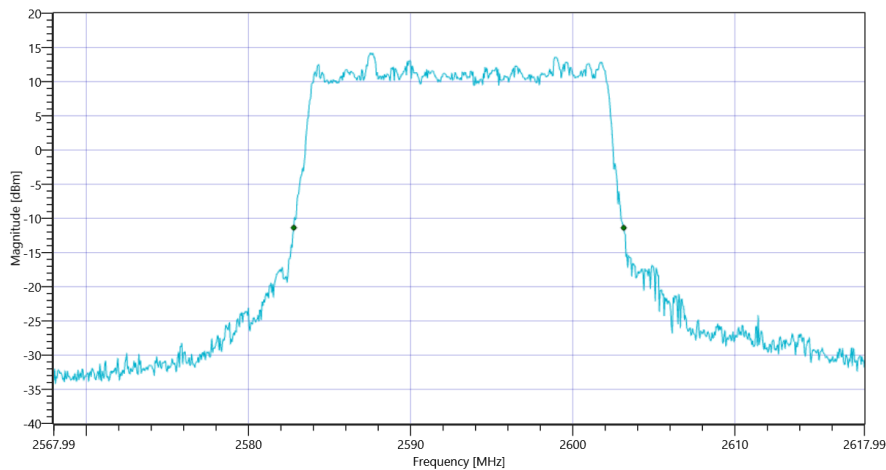
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.58 0 40
Start [MHz] Stop [MHz]	2567.990 2617.990
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.35	MHz	INFO

Plot: Bandwidth only



FCC-ISED Bandwidths ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 64QAM RB_100PCT 26dB

Test at TX 2592.99 MHz (99%)

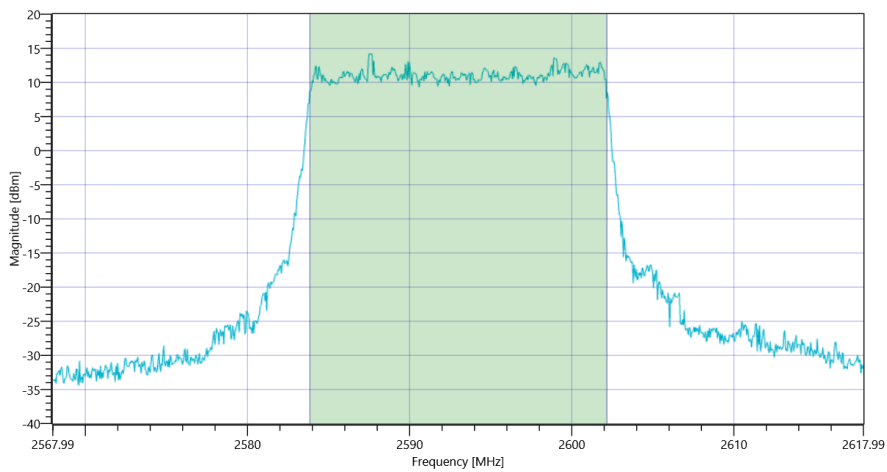
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.58 0 40
Start [MHz] Stop [MHz]	2567.990 2617.990
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS VIEW
Sweep: Time [ms] Count Points per Section Type	1 1500 1001 SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	18.382	MHz	INFO

Plot: Bandwidth only



General verdict

PASS

FCC/ISED Bandwidths ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 64QAM RB_100PCT

Test References	
TC Start	21.04.2022 15:18:04
Ambit Temp [°C] Humidity [rel%]	26.4 24
System Version	3.0.6.3
Test Specification	Mobile Radio 5G
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Bandwidths - 5G Band_X
Add. Information	

Test Parameter	
Technology to test	Mobile Radio 5G
Band	Band_41
Antenna Port used	2
Max Trans. BW [MHz]	20
Subcarrier spacing [MHz]	15
Modulation	64QAM
Resource block	RB_100PCT
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2506.02
Frequency mid to test	False Freq [MHz] 2592.99
Frequency high to test	True Freq [MHz] 2679.99
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 TX 2679.99 MHz (26dB)

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	14.84	dBm	INFO
Ref. Frequency	---	---	2685.880	MHz	INFO

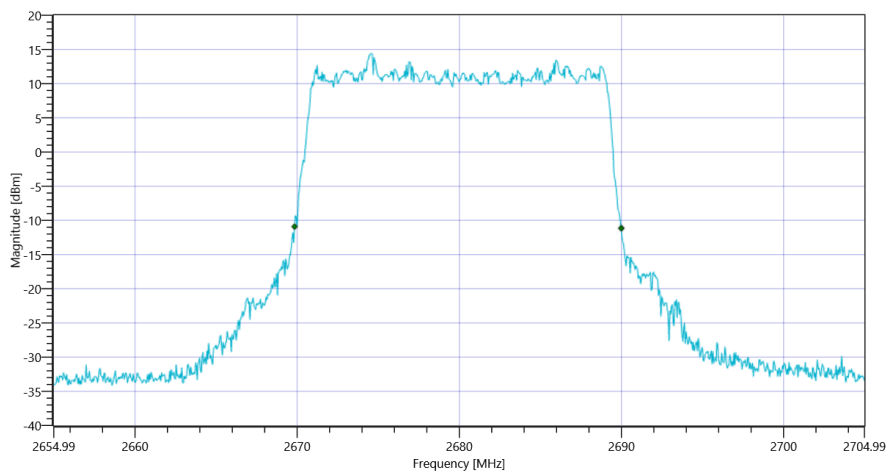
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.84 0 40
Start [MHz] Stop [MHz]	2654.990 2704.990
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.15	MHz	INFO

Plot: Bandwidth only



FCC-ISED Bandwidths ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 64QAM RB_100PCT 26dB

Test at TX 2679.99 MHz (99%)

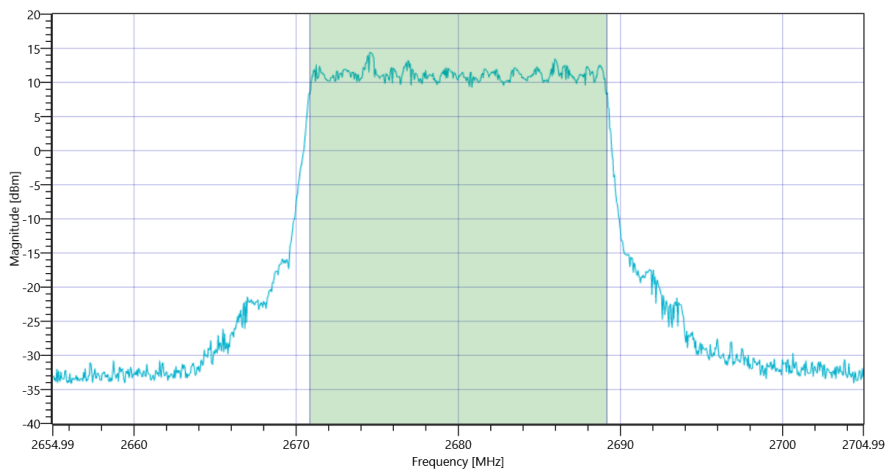
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.84 0 40
Start [MHz] Stop [MHz]	2654.990 2704.990
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS VIEW
Sweep: Time [ms] Count Points per Section Type	1 1500 1001 SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	18.382	MHz	INFO

Plot: Bandwidth only



General verdict

PASS

FCC/ISED Bandwidths ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 QPSK RB_100PCT

Test References	
TC Start	21.04.2022 15:07:49
Ambit Temp [°C] Humidity [rel%]	26.3 24
System Version	3.0.6.3
Test Specification	Mobile Radio 5G
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Bandwidths - 5G Band_X
Add. Information	

Test Parameter	
Technology to test	Mobile Radio 5G
Band	Band_41
Antenna Port used	2
Max Trans. BW [MHz]	20
Subcarrier spacing [MHz]	15
Modulation	QPSK
Resource block	RB_100PCT
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2506.02
Frequency mid to test	False Freq [MHz] 2592.99
Frequency high to test	False Freq [MHz] 2679.99
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 TX 2506.02 MHz (26dB)

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	17.17	dBm	INFO
Ref. Frequency	---	---	2509.920	MHz	INFO

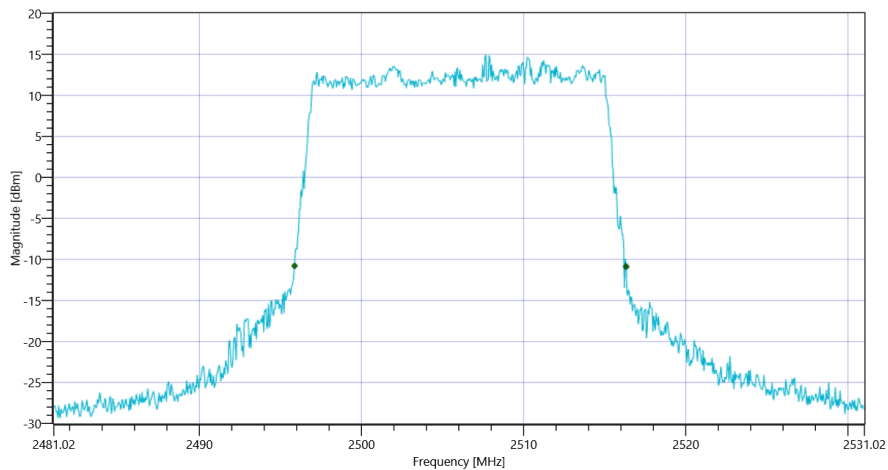
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	25.17 0 45
Start [MHz] Stop [MHz]	2481.020 2531.020
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.45	MHz	INFO

Plot: Bandwidth only



FCC-ISED Bandwidths ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 QPSK RB_100PCT 26dB

Test at TX 2506.02 MHz (99%)

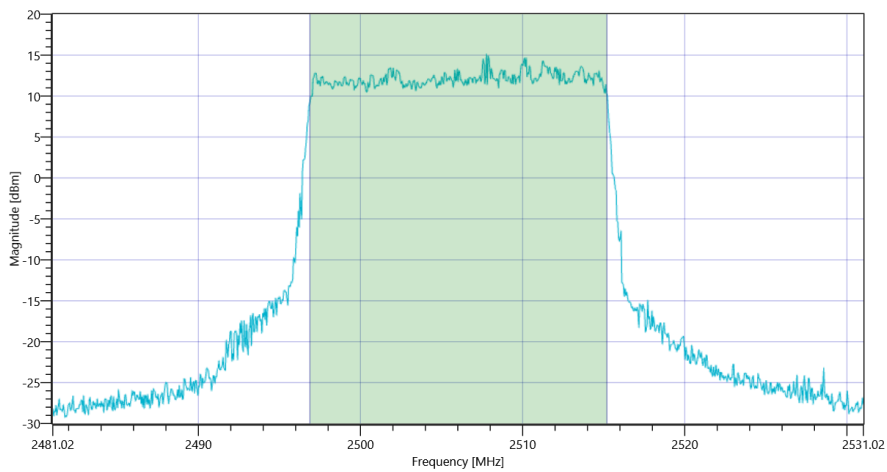
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	25.17 0 40
Start [MHz] Stop [MHz]	2481.020 2531.020
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS VIEW
Sweep: Time [ms] Count Points per Section Type	1 1500 1001 SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	18.382	MHz	INFO

Plot: Bandwidth only



General verdict

PASS

FCC/ISED Bandwidths ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 QPSK RB_100PCT

Test References	
TC Start	21.04.2022 15:10:16
Ambit Temp [°C] Humidity [rel%]	26.3 24
System Version	3.0.6.3
Test Specification	Mobile Radio 5G
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Bandwidths - 5G Band_X
Add. Information	

Test Parameter	
Technology to test	Mobile Radio 5G
Band	Band_41
Antenna Port used	2
Max Trans. BW [MHz]	20
Subcarrier spacing [MHz]	15
Modulation	QPSK
Resource block	RB_100PCT
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2506.02
Frequency mid to test	True Freq [MHz] 2592.99
Frequency high to test	False Freq [MHz] 2679.99
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 TX 2592.99 MHz (26dB)

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	15.05	dBm	INFO
Ref. Frequency	---	---	2591.290	MHz	INFO

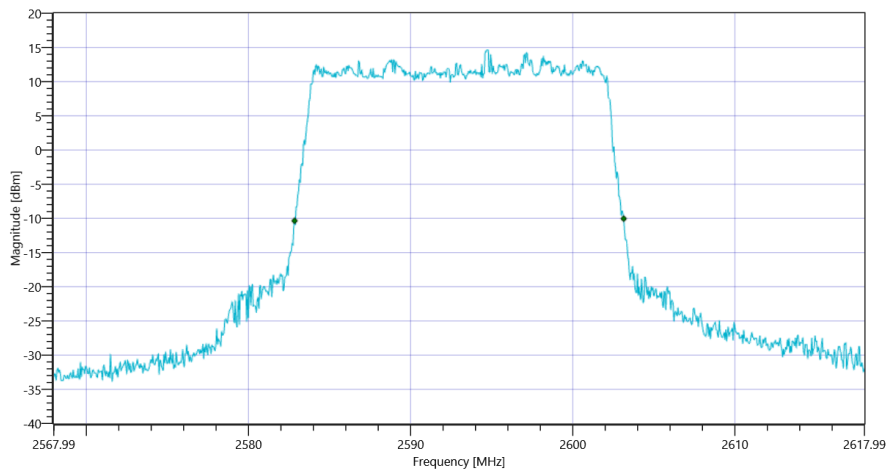
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.05 0 40
Start [MHz] Stop [MHz]	2567.990 2617.990
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.3	MHz	INFO

Plot: Bandwidth only



FCC-ISED Bandwidths ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 QPSK RB_100PCT 26dB

Test at TX 2592.99 MHz (99%)

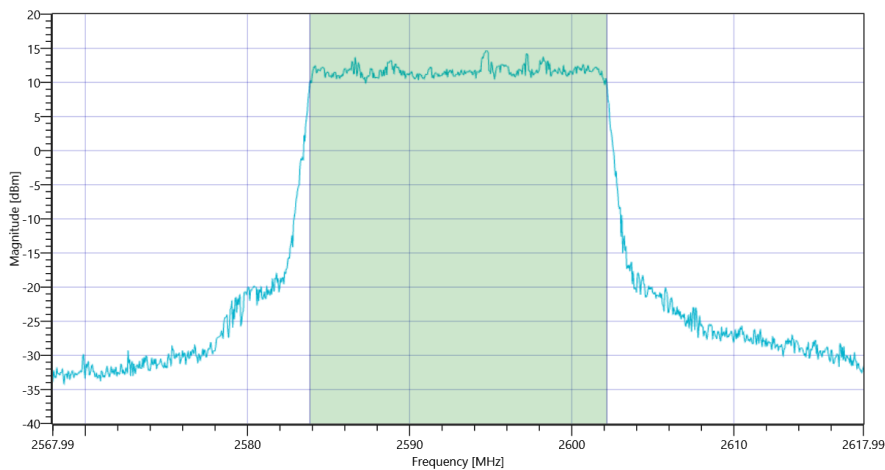
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.05 0 40
Start [MHz] Stop [MHz]	2567.990 2617.990
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS VIEW
Sweep: Time [ms] Count Points per Section Type	1 1500 1001 SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	18.382	MHz	INFO

Plot: Bandwidth only



General verdict

PASS

FCC/ISED Bandwidths ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 QPSK RB_100PCT

Test References	
TC Start	21.04.2022 15:13:55
Ambit Temp [°C] Humidity [rel%]	26.4 24
System Version	3.0.6.3
Test Specification	Mobile Radio 5G
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Bandwidths - 5G Band_X
Add. Information	

Test Parameter	
Technology to test	Mobile Radio 5G
Band	Band_41
Antenna Port used	2
Max Trans. BW [MHz]	20
Subcarrier spacing [MHz]	15
Modulation	QPSK
Resource block	RB_100PCT
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2506.02
Frequency mid to test	False Freq [MHz] 2592.99
Frequency high to test	True Freq [MHz] 2679.99
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 TX 2679.99 MHz (26dB)

RESULT: Reference Power cond.

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	15.29	dBm	INFO
Ref. Frequency	---	---	2671.700	MHz	INFO

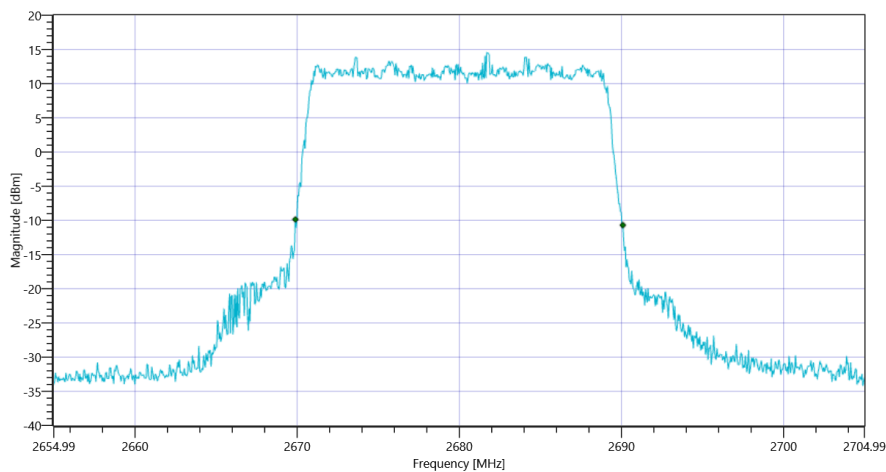
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.29 0 40
Start [MHz] Stop [MHz]	2654.990 2704.990
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	20.2	MHz	INFO

Plot: Bandwidth only



FCC-ISED Bandwidths ~ Mobile Radio 5G Band_41 Ant-2 BW-20 SCS-15 QPSK RB_100PCT 26dB

Test at TX 2679.99 MHz (99%)

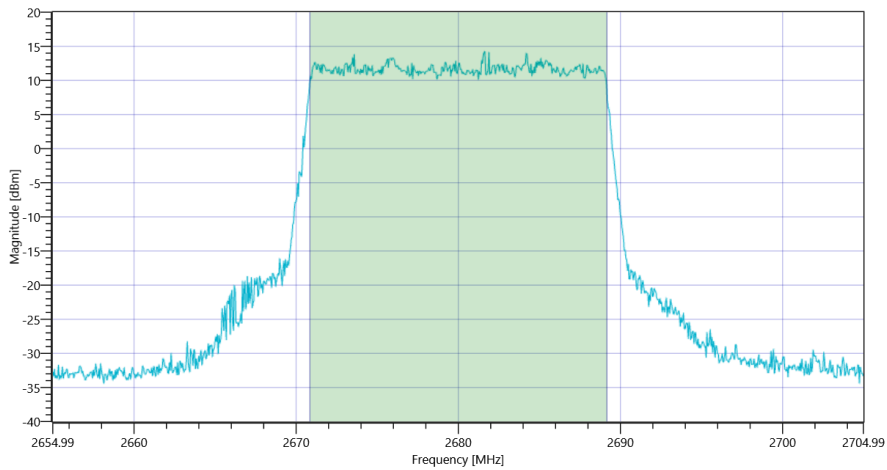
READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.29 0 40
Start [MHz] Stop [MHz]	2654.990 2704.990
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS VIEW
Sweep: Time [ms] Count Points per Section Type	1 1500 1001 SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	18.332	MHz	INFO

Plot: Bandwidth only



General verdict

PASS

FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-2 SCS-30

Test References	
TC Start	23.05.2022 14:56:57
Ambit Temp [°C] Humidity [rel%]	29.7 45
System Version	3.0.6.4
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_41
Add. Information	

Test Parameter	
Technology to test	NR
Band	Band_41
SCS [kHz]	30
Antenna Port used	2
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 2506/0 , CBW [MHz]: 20 , RB_100PCT , Mod: BPSK

RESULT: Reference Power cond.

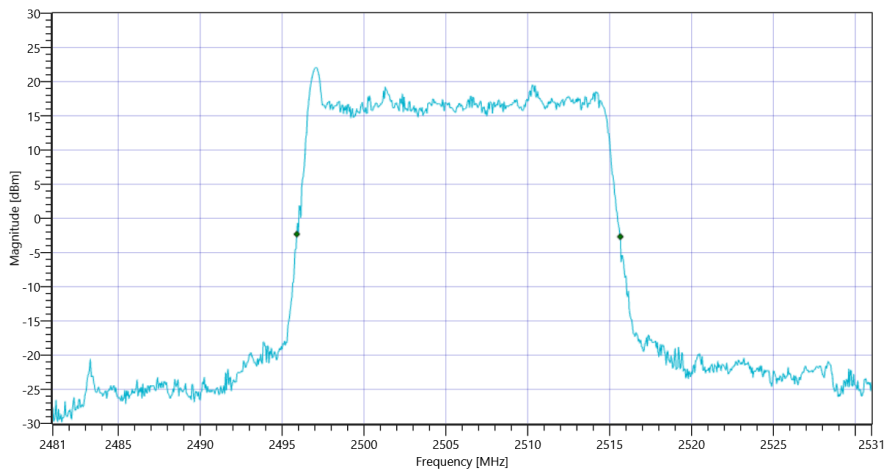
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	21.53	dBm	INFO
Ref. Frequency	---	---	2497.010	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.53 0 40
Start [MHz] Stop [MHz]	2481.000 2531.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	19.75	MHz	INFO



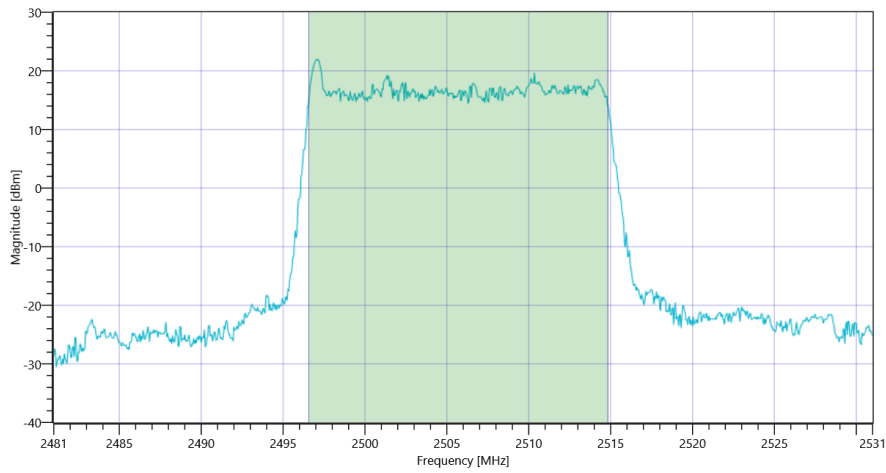
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-1 SCS-30 26dB

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	18.282	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.53 0 40
Start [MHz] Stop [MHz]	2481.000 2531.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 1500 1001 SWE



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-1 SCS-30 26dB

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_41 Ant-2 SCS-30

Test References	
TC Start	23.05.2022 14:57:43
Ambit Temp [°C] Humidity [rel%]	29.7 45
System Version	3.0.6.4
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_41
Add. Information	

Test Parameter	
Technology to test	NR
Band	Band_41
SCS [kHz]	30
Antenna Port used	2
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 2506/0 , CBW [MHz]: 20 , RB_100PCT , Mod: BPSK

RESULT: Reference Power cond.

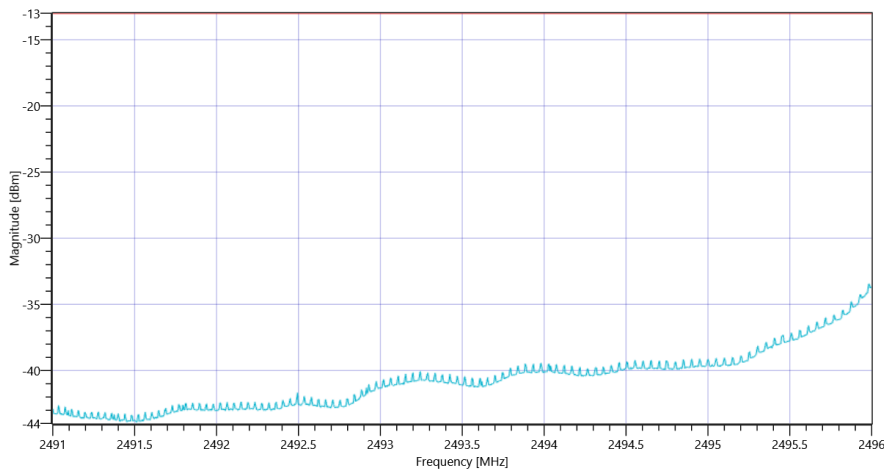
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	21.99	dBm	INFO
Ref. Frequency	---	---	2497.110	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.99 0 40
Start [MHz] Stop [MHz]	2491.000 2496.000
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] 2496.5	---	-13	-30.41	dBm	PASS
Frequency [MHz] 2497.5	---	-13	-33.16	dBm	PASS
Frequency [MHz] 2498.5	---	-13	-33.94	dBm	PASS
Frequency [MHz] 2499.5	---	-13	-35.77	dBm	PASS
Frequency [MHz] 2500.5	---	-13	-36.58	dBm	PASS



FCC, ISSED # Block edge conducted ~ NR Band_41 Ant-1 SCS-30

General verdict

PASS

FCC, ISED # TX Emissions conducted ~ NR Band_41 Ant-2 SCS-30

Test References	
TC Start	23.05.2022 14:58:46
Ambit Temp [°C] Humidity [rel%]	29.7 45
System Version	3.0.6.4
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio TX Emissions conducted - NR Band_41
Add. Information	

Test Parameter	
Technology to test	NR
Band	Band_41
SCS [kHz]	30
Antenna Port used	2
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 2506/0 , CBW [MHz]: 20 , RB_100PCT , Mod: BPSK

RESULT: Reference Power cond.

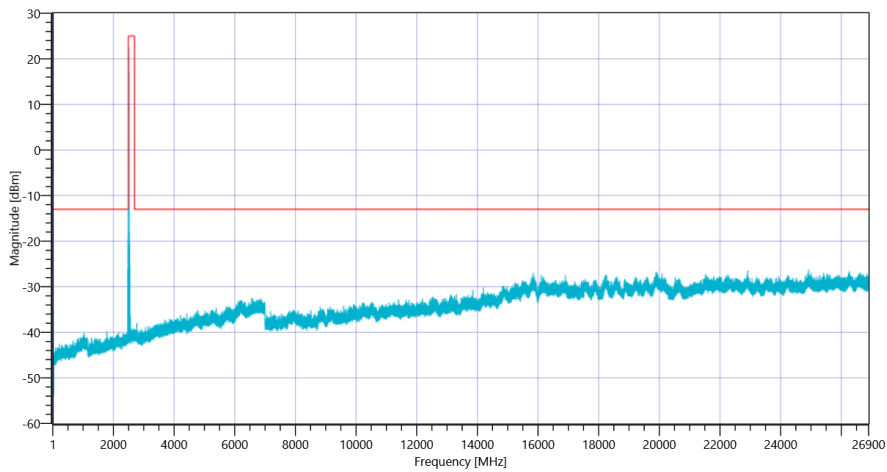
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	22.10	dBm	INFO
Ref. Frequency	---	---	2497.010	MHz	INFO

READ SA SETTINGS:

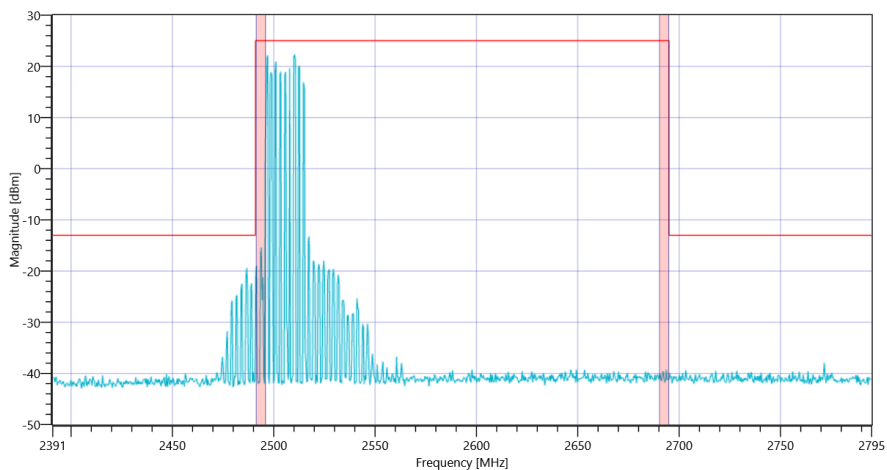
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.10 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low , UL[MHz]/CH 2506/0 , CBW [MHz]: 20 , RB_100PCT , Mod: BPSK

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peaks higher limit	---	0	0	no	PASS



FCC, ISED # TX Emissions conducted ~ NR Band_41 Ant-1 SCS-30 2506 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_41 Ant-1 SCS-30 2506

General verdict

PASS

FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-2 SCS-30

Test References	
TC Start	23.05.2022 15:18:00
Ambit Temp [°C] Humidity [rel%]	29.7 45
System Version	3.0.6.4
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_41
Add. Information	

Test Parameter	
Technology to test	NR
Band	Band_41
SCS [kHz]	30
Antenna Port used	2
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 2511/0 , CBW [MHz]: 30 , RB_100PCT , Mod: BPSK

RESULT: Reference Power cond.

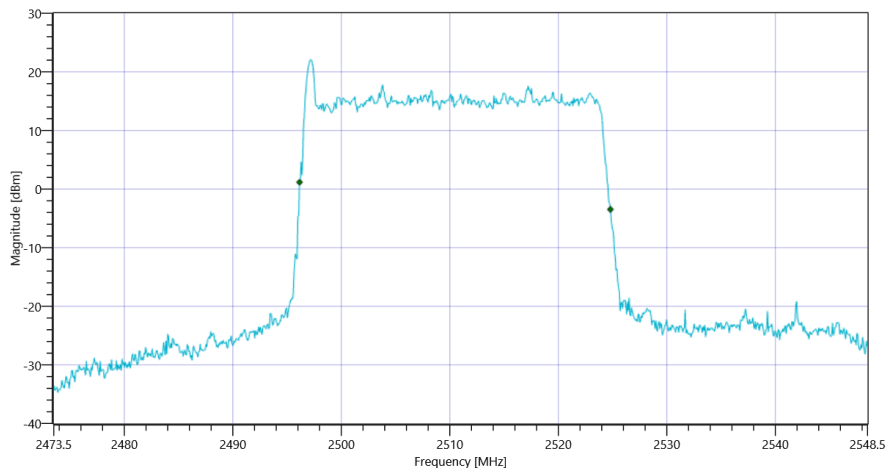
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	21.73	dBm	INFO
Ref. Frequency	---	---	2497.110	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.73 0 40
Start [MHz] Stop [MHz]	2473.500 2548.500
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	28.65	MHz	INFO



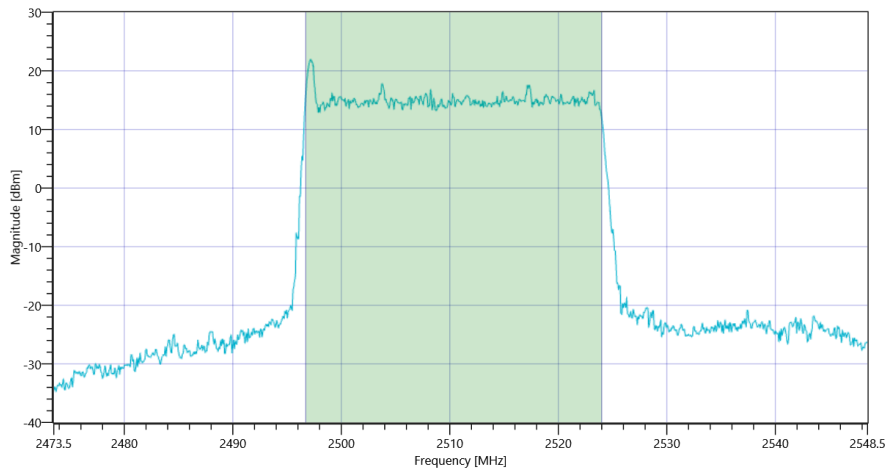
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-1 SCS-30 26dB

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	27.273	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.73 0 40
Start [MHz] Stop [MHz]	2473.500 2548.500
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 1500 1001 SWE



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-1 SCS-30 26dB

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_41 Ant-2 SCS-30

Test References	
TC Start	23.05.2022 15:26:50
Ambit Temp [°C] Humidity [rel%]	29.8 45
System Version	3.0.6.4
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_41
Add. Information	

Test Parameter	
Technology to test	NR
Band	Band_41
SCS [kHz]	30
Antenna Port used	2
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 2511/0 , CBW [MHz]: 30 , RB_100PCT , Mod: BPSK

RESULT: Reference Power cond.

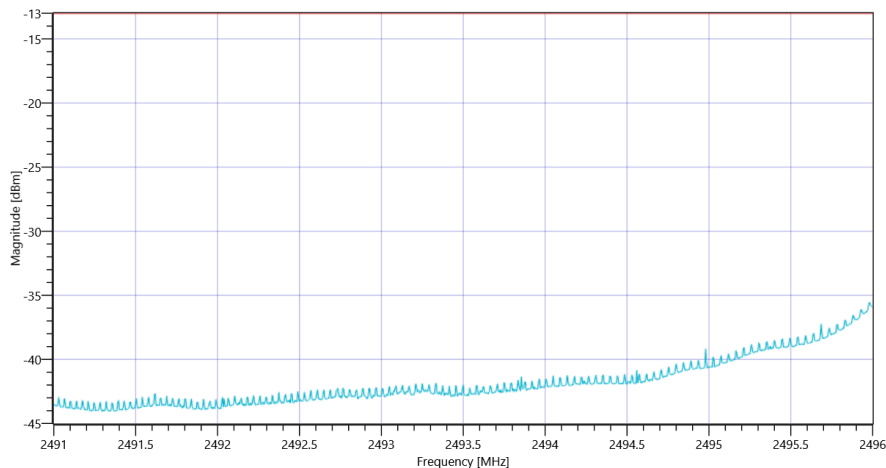
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	19.32	dBm	INFO
Ref. Frequency	---	---	2503.710	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.32 0 35
Start [MHz] Stop [MHz]	2491.000 2496.000
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] 2496.5	---	-13	-33.49	dBm	PASS
Frequency [MHz] 2497.5	---	-13	-36.47	dBm	PASS
Frequency [MHz] 2498.5	---	-13	-37.48	dBm	PASS
Frequency [MHz] 2499.5	---	-13	-38.12	dBm	PASS
Frequency [MHz] 2500.5	---	-13	-38.68	dBm	PASS



FCC, ISSED # Block edge conducted ~ NR Band_41 Ant-1 SCS-30

General verdict

PASS

FCC, ISED # TX Emissions conducted ~ NR Band_41 Ant-2 SCS-30

Test References	
TC Start	23.05.2022 15:27:52
Ambit Temp [°C] Humidity [rel%]	29.8 45
System Version	3.0.6.4
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio TX Emissions conducted - NR Band_41
Add. Information	

Test Parameter	
Technology to test	NR
Band	Band_41
SCS [kHz]	30
Antenna Port used	2
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 2511/0 , CBW [MHz]: 30 , RB_100PCT , Mod: BPSK

RESULT: Reference Power cond.

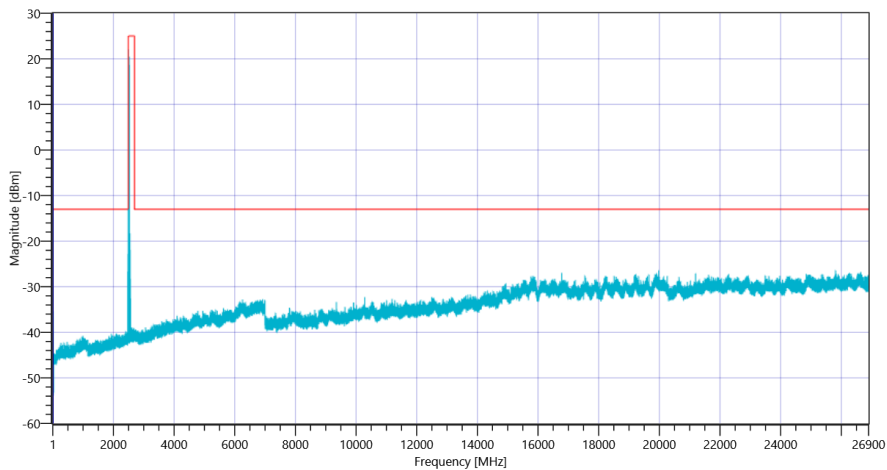
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	21.74	dBm	INFO
Ref. Frequency	---	---	2497.210	MHz	INFO

READ SA SETTINGS:

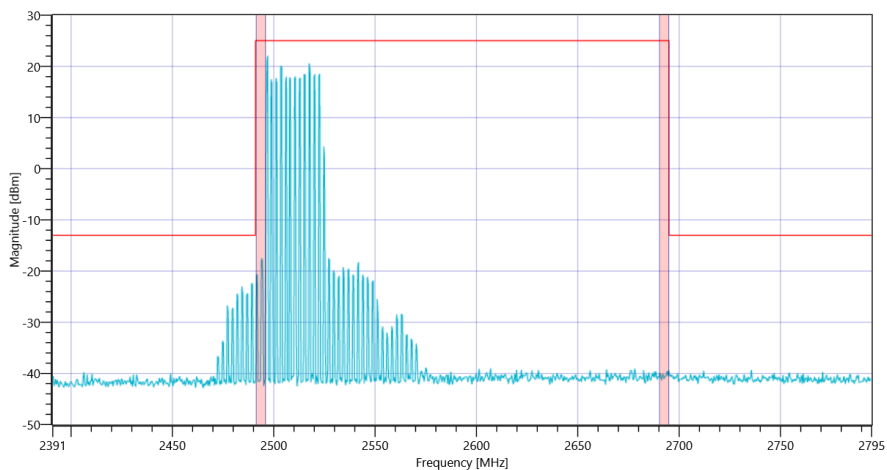
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.74 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low , UL[MHz]/CH 2511/0 , CBW [MHz]: 30 , RB_100PCT , Mod: BPSK

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peaks higher limit	---	0	0	no	PASS



FCC, ISED # TX Emissions conducted ~ NR Band_41 Ant-1 SCS-30 2511 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_41 Ant-1 SCS-30 2511

General verdict

PASS

FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-2 SCS-30

Test References	
TC Start	23.05.2022 15:35:41
Ambit Temp [°C] Humidity [rel%]	29.8 44
System Version	3.0.6.4
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_41
Add. Information	

Test Parameter	
Technology to test	NR
Band	Band_41
SCS [kHz]	30
Antenna Port used	2
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 2516/0 , CBW [MHz]: 40 , RB_100PCT , Mod: BPSK

RESULT: Reference Power cond.

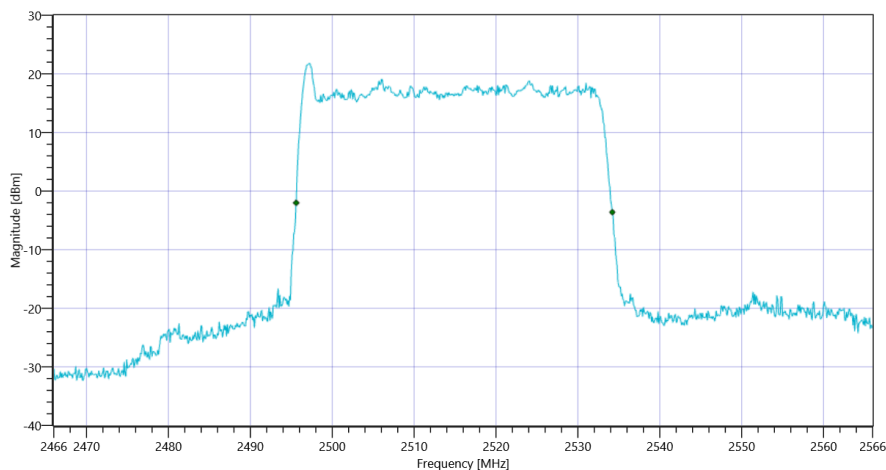
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	21.62	dBm	INFO
Ref. Frequency	---	---	2497.120	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.62 0 40
Start [MHz] Stop [MHz]	2466.000 2566.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	38.6	MHz	INFO



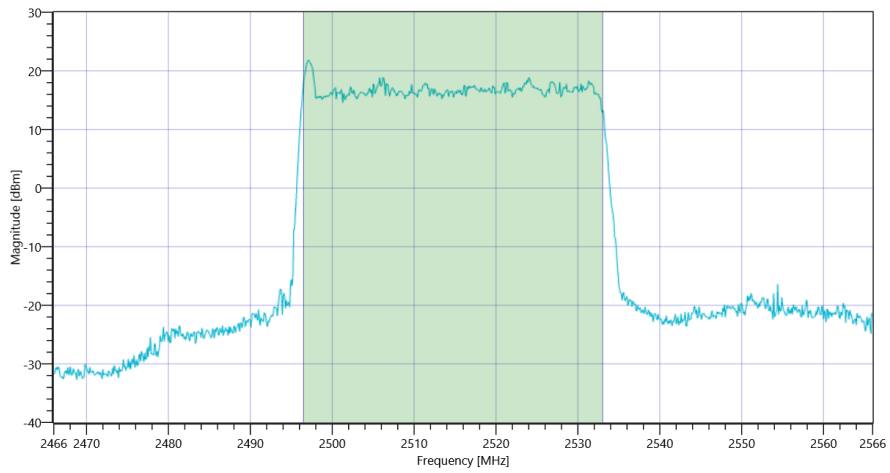
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-1 SCS-30 26dB

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	36.563	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.62 0 40
Start [MHz] Stop [MHz]	2466.000 2566.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 1500 1001 SWE



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-1 SCS-30 26dB

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_41 Ant-2 SCS-30

Test References	
TC Start	23.05.2022 15:36:25
Ambit Temp [°C] Humidity [rel%]	29.8 44
System Version	3.0.6.4
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_41
Add. Information	

Test Parameter	
Technology to test	NR
Band	Band_41
SCS [kHz]	30
Antenna Port used	2
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 2516/0 , CBW [MHz]: 40 , RB_100PCT , Mod: BPSK

RESULT: Reference Power cond.

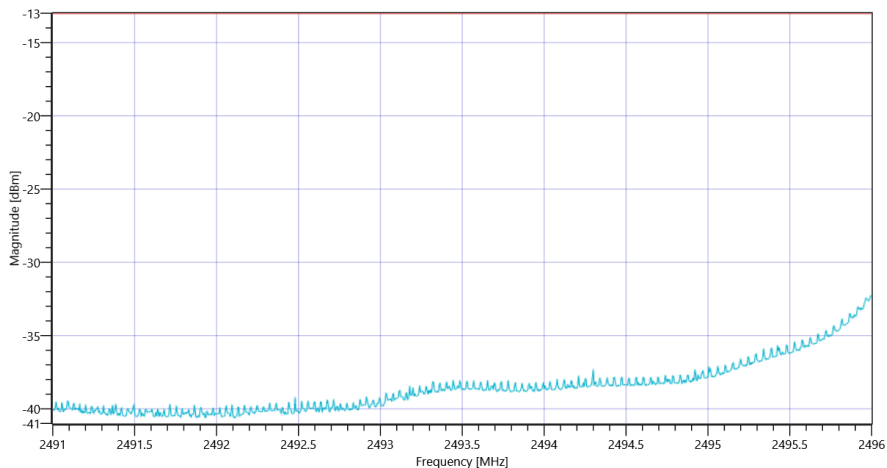
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	21.57	dBm	INFO
Ref. Frequency	---	---	2497.220	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.57 0 40
Start [MHz] Stop [MHz]	2491.000 2496.000
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] 2496.5	---	-13	-32.74	dBm	PASS
Frequency [MHz] 2497.5	---	-13	-35.49	dBm	PASS
Frequency [MHz] 2498.5	---	-13	-36	dBm	PASS
Frequency [MHz] 2499.5	---	-13	-37.26	dBm	PASS
Frequency [MHz] 2500.5	---	-13	-37.47	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_41 Ant-1 SCS-30

General verdict

PASS

FCC, ISED # TX Emissions conducted ~ NR Band_41 Ant-2 SCS-30

Test References	
TC Start	23.05.2022 15:37:26
Ambit Temp [°C] Humidity [rel%]	29.8 44
System Version	3.0.6.4
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio TX Emissions conducted - NR Band_41
Add. Information	

Test Parameter	
Technology to test	NR
Band	Band_41
SCS [kHz]	30
Antenna Port used	2
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 2516/0 , CBW [MHz]: 40 , RB_100PCT , Mod: BPSK

RESULT: Reference Power cond.

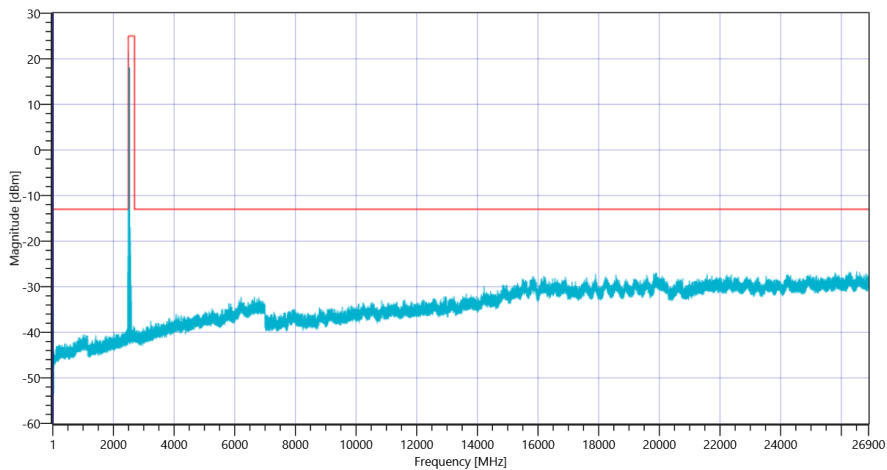
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	21.14	dBm	INFO
Ref. Frequency	---	---	2497.120	MHz	INFO

READ SA SETTINGS:

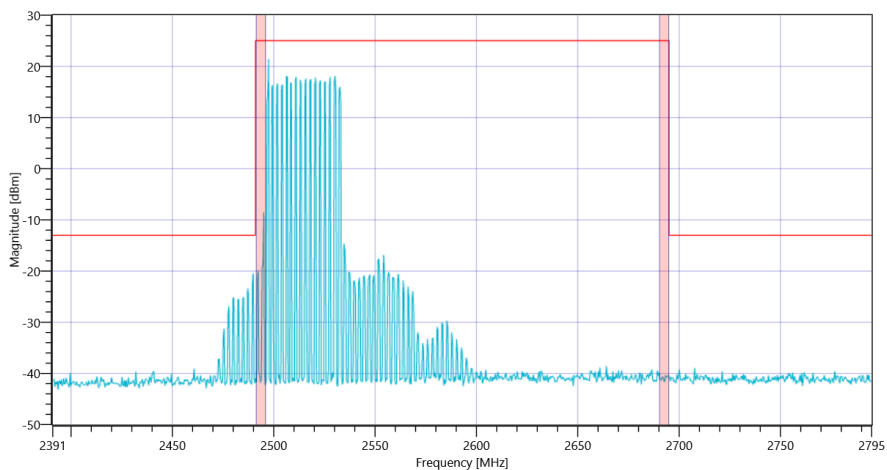
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.14 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low , UL[MHz]/CH 2516/0 , CBW [MHz]: 40 , RB_100PCT , Mod: BPSK

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peaks higher limit	---	0	0	no	PASS



FCC, ISED # TX Emissions conducted ~ NR Band_41 Ant-1 SCS-30 2516 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_41 Ant-1 SCS-30 2516

General verdict

PASS

FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-2 SCS-30

Test References	
TC Start	23.05.2022 15:43:04
Ambit Temp [°C] Humidity [rel%]	29.8 44
System Version	3.0.6.4
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_41
Add. Information	

Test Parameter	
Technology to test	NR
Band	Band_41
SCS [kHz]	30
Antenna Port used	2
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 2521/0 , CBW [MHz]: 50 , RB_100PCT , Mod: BPSK

RESULT: Reference Power cond.

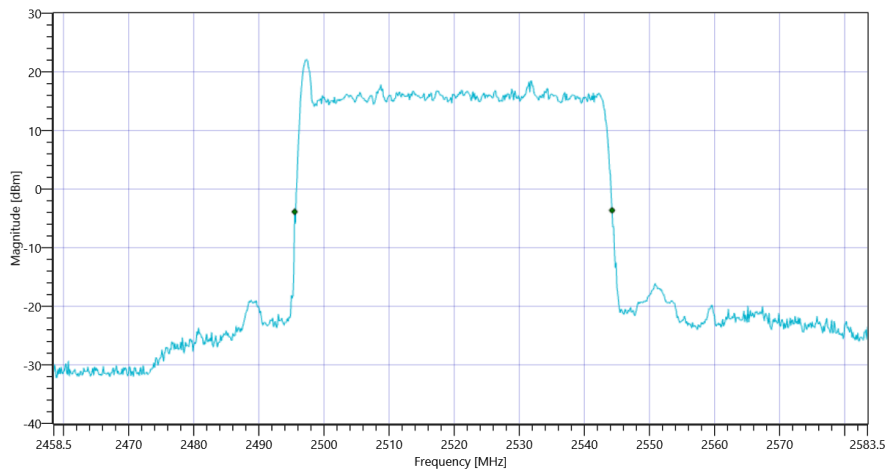
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	21.70	dBm	INFO
Ref. Frequency	---	---	2497.220	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.70 0 40
Start [MHz] Stop [MHz]	2458.500 2583.500
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	48.75	MHz	INFO



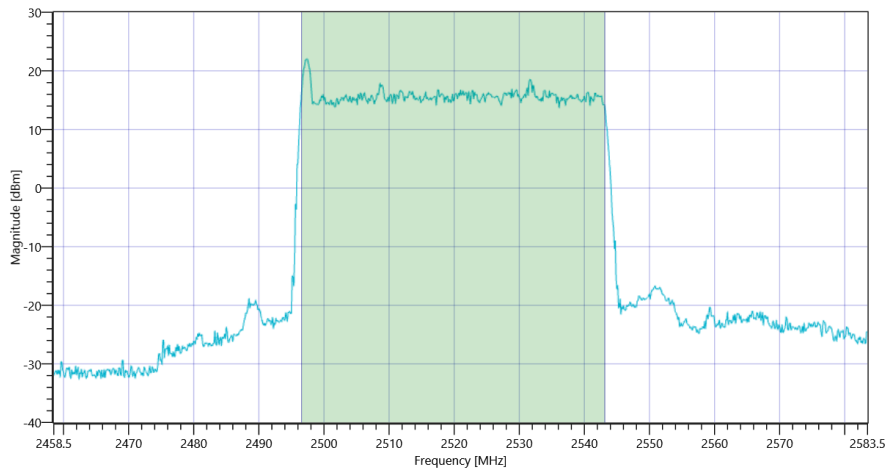
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-1 SCS-30 26dB

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	46.578	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.70 0 40
Start [MHz] Stop [MHz]	2458.500 2583.500
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 1500 1001 SWE



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-1 SCS-30 26dB

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_41 Ant-2 SCS-30

Test References	
TC Start	23.05.2022 15:44:03
Ambit Temp [°C] Humidity [rel%]	29.9 44
System Version	3.0.6.4
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_41
Add. Information	

Test Parameter	
Technology to test	NR
Band	Band_41
SCS [kHz]	30
Antenna Port used	2
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 2521/0 , CBW [MHz]: 50 , RB_100PCT , Mod: BPSK

RESULT: Reference Power cond.

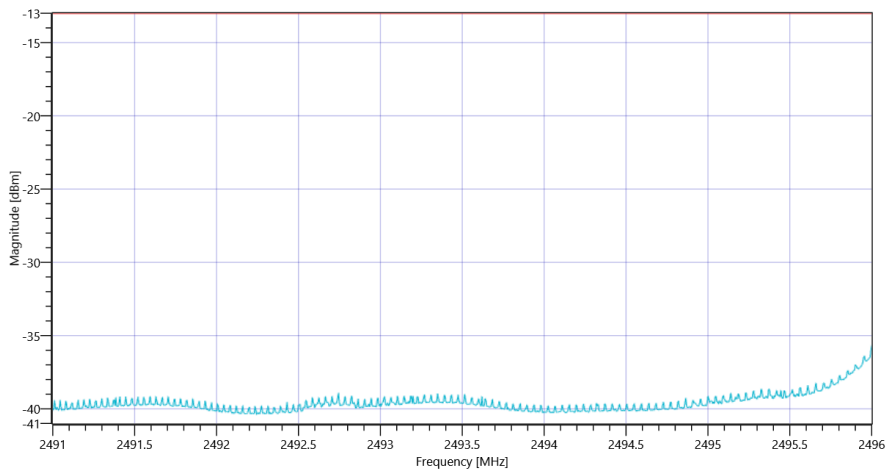
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	21.85	dBm	INFO
Ref. Frequency	---	---	2497.220	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.85 0 40
Start [MHz] Stop [MHz]	2491.000 2496.000
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] 2496.5	---	-13	-35.85	dBm	PASS
Frequency [MHz] 2497.5	---	-13	-37.23	dBm	PASS
Frequency [MHz] 2498.5	---	-13	-36.93	dBm	PASS
Frequency [MHz] 2499.5	---	-13	-37.17	dBm	PASS
Frequency [MHz] 2500.5	---	-13	-37.01	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_41 Ant-1 SCS-30

General verdict

PASS

FCC, ISED # TX Emissions conducted ~ NR Band_41 Ant-2 SCS-30

Test References	
TC Start	23.05.2022 15:45:12
Ambit Temp [°C] Humidity [rel%]	29.9 44
System Version	3.0.6.4
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio TX Emissions conducted - NR Band_41
Add. Information	

Test Parameter	
Technology to test	NR
Band	Band_41
SCS [kHz]	30
Antenna Port used	2
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 2521/0 , CBW [MHz]: 50 , RB_100PCT , Mod: BPSK

RESULT: Reference Power cond.

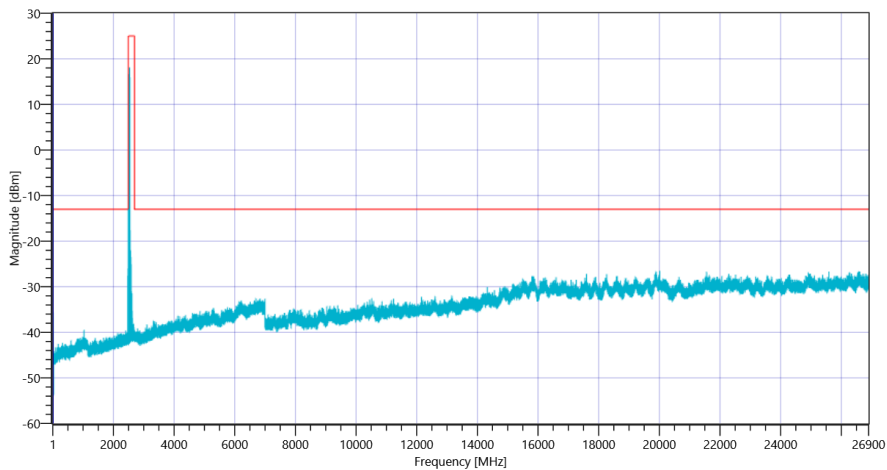
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	22.16	dBm	INFO
Ref. Frequency	---	---	2497.320	MHz	INFO

READ SA SETTINGS:

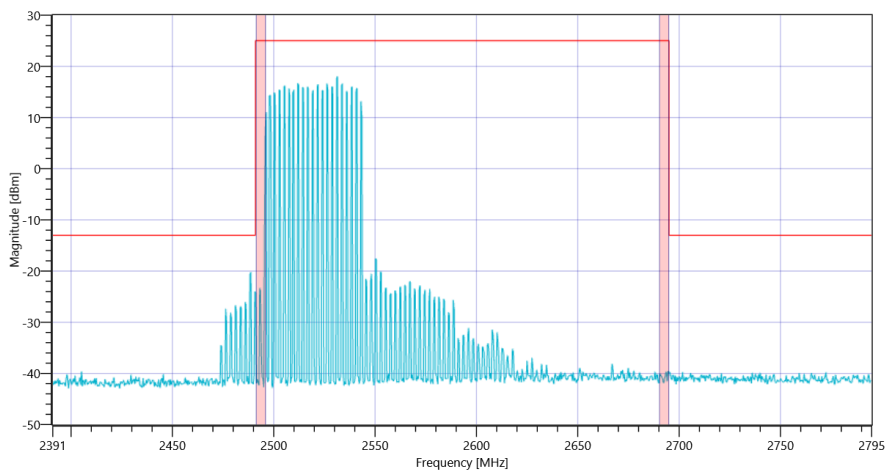
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.16 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low , UL[MHz]/CH 2521/0 , CBW [MHz]: 50 , RB_100PCT , Mod: BPSK

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peaks higher limit	---	0	0	no	PASS



FCC, ISED # TX Emissions conducted ~ NR Band_41 Ant-1 SCS-30 2521 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_41 Ant-1 SCS-30 2521

General verdict

PASS

FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-2 SCS-30

Test References	
TC Start	23.05.2022 15:50:24
Ambit Temp [°C] Humidity [rel%]	29.7 44
System Version	3.0.6.4
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_41
Add. Information	

Test Parameter	
Technology to test	NR
Band	Band_41
SCS [kHz]	30
Antenna Port used	2
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 2526/0 , CBW [MHz]: 60 , RB_100PCT , Mod: BPSK

RESULT: Reference Power cond.

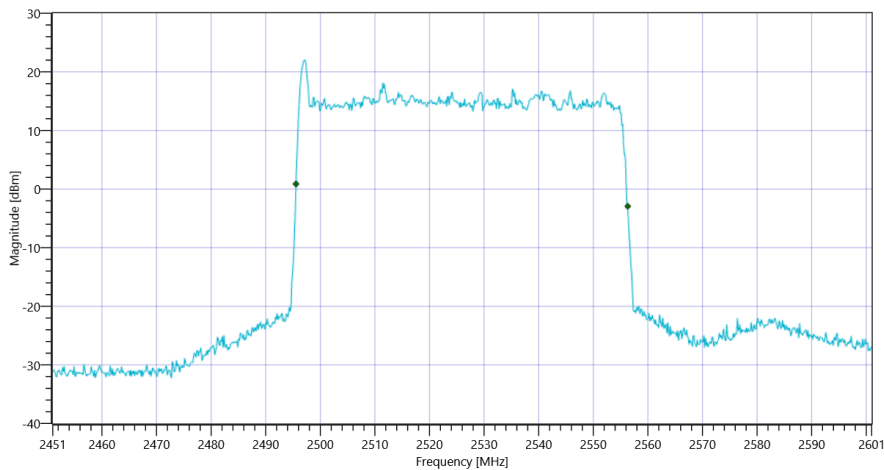
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	20.82	dBm	INFO
Ref. Frequency	---	---	2497.030	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.82 0 40
Start [MHz] Stop [MHz]	2451.000 2601.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	60.75	MHz	INFO



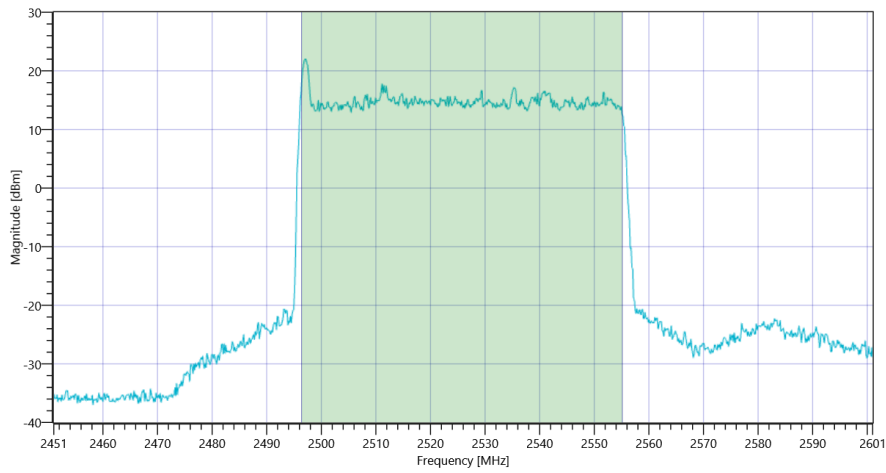
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-1 SCS-30 26dB

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	58.741	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.82 0 35
Start [MHz] Stop [MHz]	2451.000 2601.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 1500 1001 SWE



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-1 SCS-30 26dB

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_41 Ant-2 SCS-30

Test References	
TC Start	23.05.2022 15:51:18
Ambit Temp [°C] Humidity [rel%]	29.7 44
System Version	3.0.6.4
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_41
Add. Information	

Test Parameter	
Technology to test	NR
Band	Band_41
SCS [kHz]	30
Antenna Port used	2
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 2526/0 , CBW [MHz]: 60 , RB_100PCT , Mod: BPSK

RESULT: Reference Power cond.

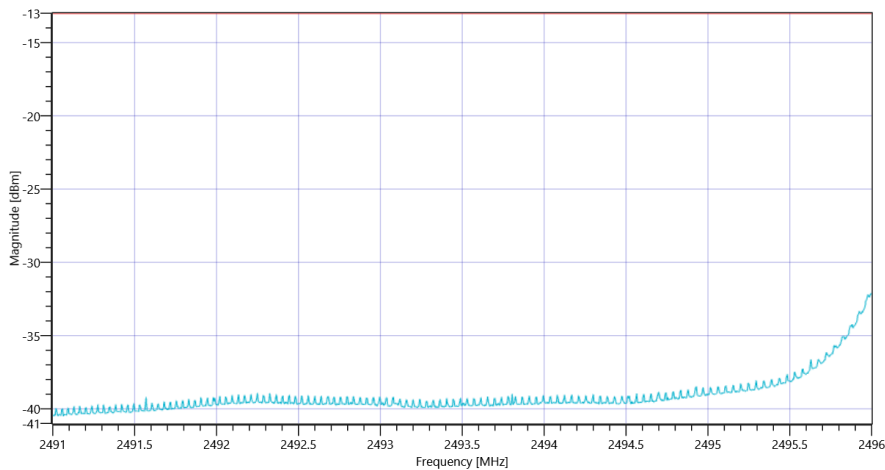
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	20.08	dBm	INFO
Ref. Frequency	---	---	2496.930	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.08 0 40
Start [MHz] Stop [MHz]	2491.000 2496.000
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] 2496.5	---	-13	-33.97	dBm	PASS
Frequency [MHz] 2497.5	---	-13	-36.62	dBm	PASS
Frequency [MHz] 2498.5	---	-13	-36.91	dBm	PASS
Frequency [MHz] 2499.5	---	-13	-36.78	dBm	PASS
Frequency [MHz] 2500.5	---	-13	-37.27	dBm	PASS



FCC, ISSED # Block edge conducted ~ NR Band_41 Ant-1 SCS-30

General verdict

PASS

FCC, ISED # TX Emissions conducted ~ NR Band_41 Ant-2 SCS-30

Test References	
TC Start	23.05.2022 15:52:31
Ambit Temp [°C] Humidity [rel%]	29.7 44
System Version	3.0.6.4
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio TX Emissions conducted - NR Band_41
Add. Information	

Test Parameter	
Technology to test	NR
Band	Band_41
SCS [kHz]	30
Antenna Port used	2
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 2526/0 , CBW [MHz]: 60 , RB_100PCT , Mod: BPSK

RESULT: Reference Power cond.

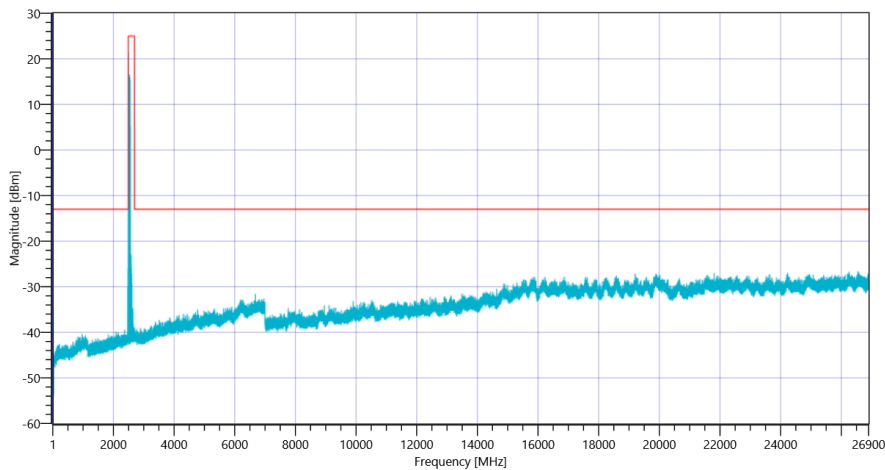
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	21.29	dBm	INFO
Ref. Frequency	---	---	2497.030	MHz	INFO

READ SA SETTINGS:

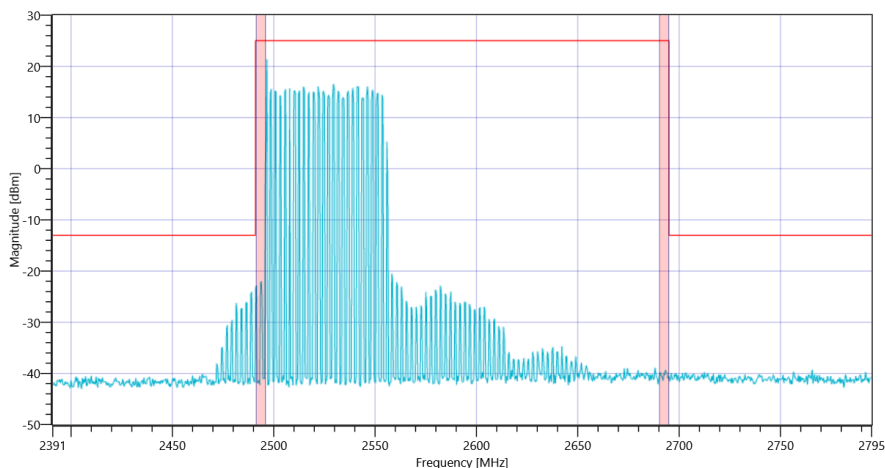
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.29 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low , UL[MHz]/CH 2526/0 , CBW [MHz]: 60 , RB_100PCT , Mod: BPSK

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peaks higher limit	---	0	0	no	PASS



FCC, ISED # TX Emissions conducted ~ NR Band_41 Ant-1 SCS-30 2526 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_41 Ant-1 SCS-30 2526

General verdict

PASS

FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-2 SCS-30

Test References	
TC Start	23.05.2022 15:57:51
Ambit Temp [°C] Humidity [rel%]	29.7 44
System Version	3.0.6.4
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_41
Add. Information	

Test Parameter	
Technology to test	NR
Band	Band_41
SCS [kHz]	30
Antenna Port used	2
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 2536/0 , CBW [MHz]: 80 , RB_100PCT , Mod: BPSK

RESULT: Reference Power cond.

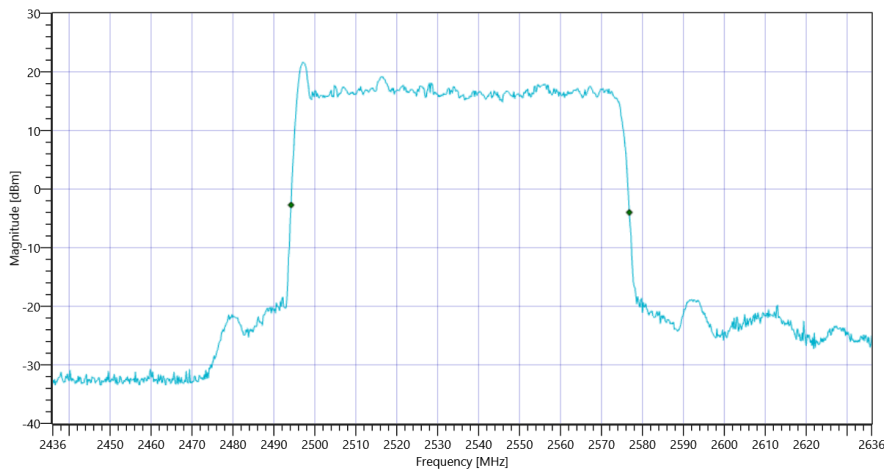
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	19.13	dBm	INFO
Ref. Frequency	---	---	2497.140	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.13 0 35
Start [MHz] Stop [MHz]	2436.000 2636.000
RBW [MHz] VBW [MHz]	2.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	82.6	MHz	INFO



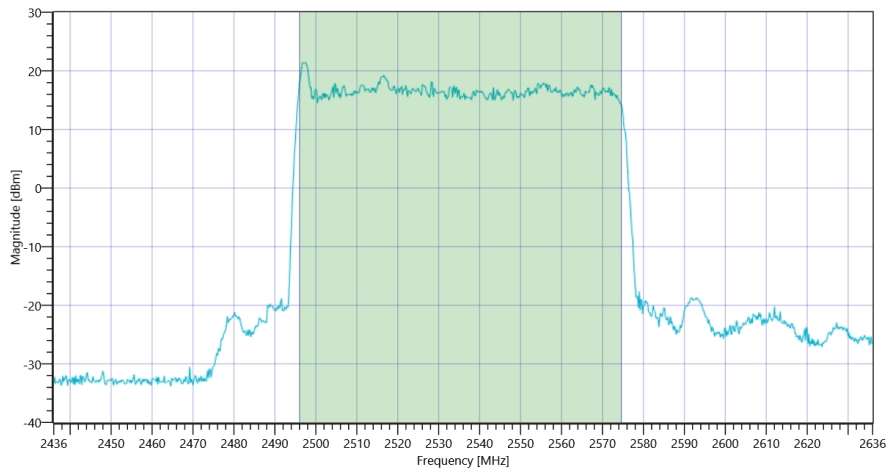
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-1 SCS-30 26dB

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	78.721	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.13 0 35
Start [MHz] Stop [MHz]	2436.000 2636.000
RBW [MHz] VBW [MHz]	2.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 1500 1001 SWE



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-1 SCS-30 26dB

General verdict

PASS

FCC, ISED # Block edge conducted ~ NR Band_41 Ant-2 SCS-30

Test References	
TC Start	23.05.2022 15:58:43
Ambit Temp [°C] Humidity [rel%]	29.6 44
System Version	3.0.6.4
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio Block edge conducted - NR Band_41
Add. Information	

Test Parameter	
Technology to test	NR
Band	Band_41
SCS [kHz]	30
Antenna Port used	2
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 2536/0 , CBW [MHz]: 80 , RB_100PCT , Mod: BPSK

RESULT: Reference Power cond.

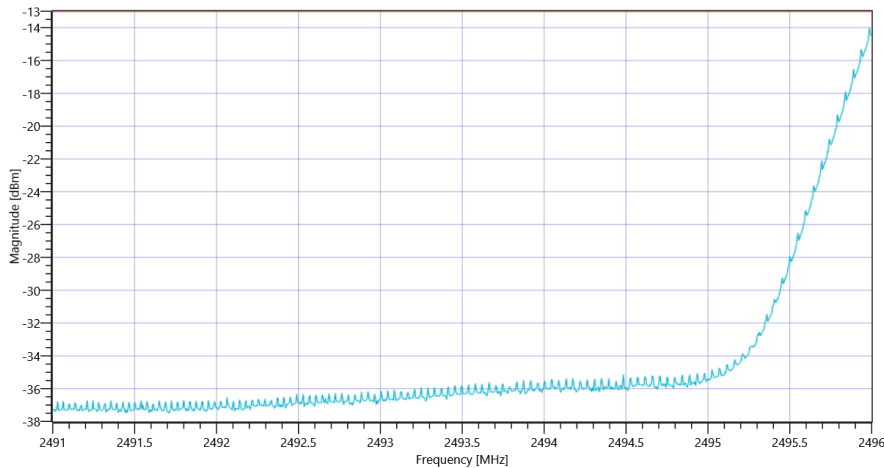
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	21.10	dBm	INFO
Ref. Frequency	---	---	2497.140	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.10 0 40
Start [MHz] Stop [MHz]	2491.000 2496.000
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] 2496.5	---	-13	-22.38	dBm	PASS
Frequency [MHz] 2497.5	---	-13	-36.04	dBm	PASS
Frequency [MHz] 2498.5	---	-13	-36.53	dBm	PASS
Frequency [MHz] 2499.5	---	-13	-37.13	dBm	PASS
Frequency [MHz] 2500.5	---	-13	-37.46	dBm	PASS



FCC, ISED # Block edge conducted ~ NR Band_41 Ant-1 SCS-30

General verdict

PASS

FCC, ISED # TX Emissions conducted ~ NR Band_41 Ant-2 SCS-30

Test References	
TC Start	23.05.2022 15:59:49
Ambit Temp [°C] Humidity [rel%]	29.5 43
System Version	3.0.6.4
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio TX Emissions conducted - NR Band_41
Add. Information	

Test Parameter	
Technology to test	NR
Band	Band_41
SCS [kHz]	30
Antenna Port used	2
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 2536/0 , CBW [MHz]: 80 , RB_100PCT , Mod: BPSK

RESULT: Reference Power cond.

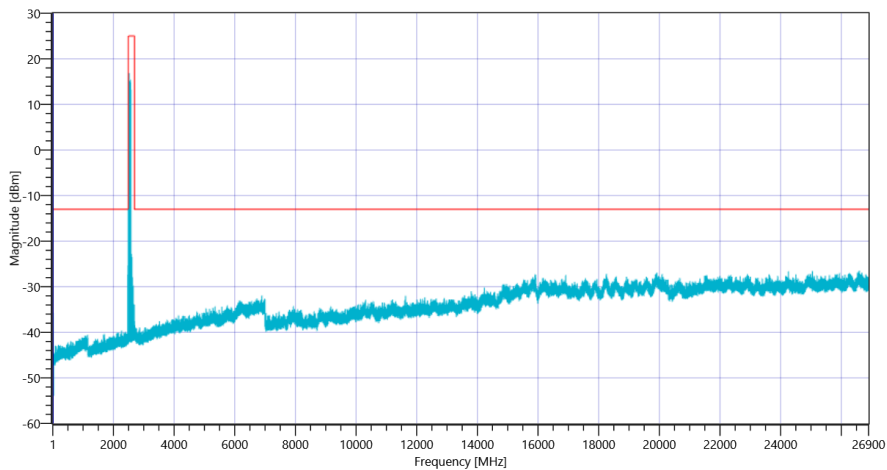
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	21.08	dBm	INFO
Ref. Frequency	---	---	2497.240	MHz	INFO

READ SA SETTINGS:

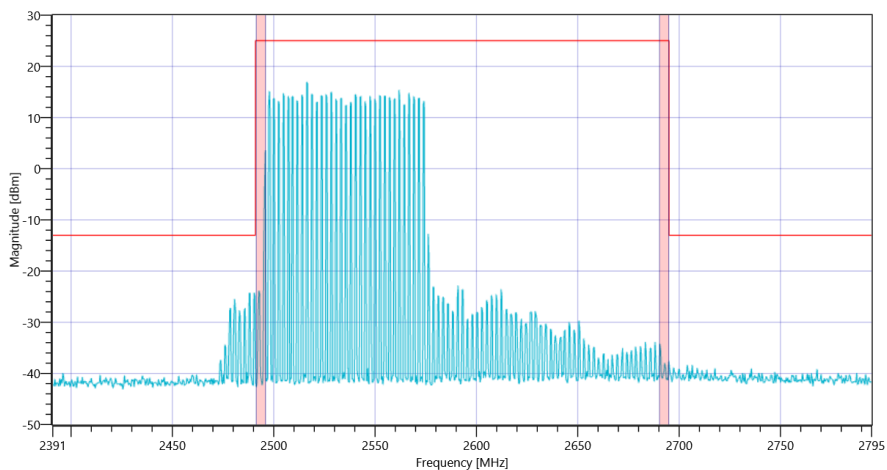
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.08 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low , UL[MHz]/CH 2536/0 , CBW [MHz]: 80 , RB_100PCT , Mod: BPSK

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Peaks higher limit	---	0	0	no	PASS



FCC, ISED # TX Emissions conducted ~ NR Band_41 Ant-1 SCS-30 2536 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_41 Ant-1 SCS-30 2536

General verdict

PASS

FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-2 SCS-30

Test References	
TC Start	23.05.2022 16:05:02
Ambit Temp [°C] Humidity [rel%]	28.8 45
System Version	3.0.6.4
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_41
Add. Information	

Test Parameter	
Technology to test	NR
Band	Band_41
SCS [kHz]	30
Antenna Port used	2
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 2541/0 , CBW [MHz]: 90 , RB_100PCT , Mod: BPSK

RESULT: Reference Power cond.

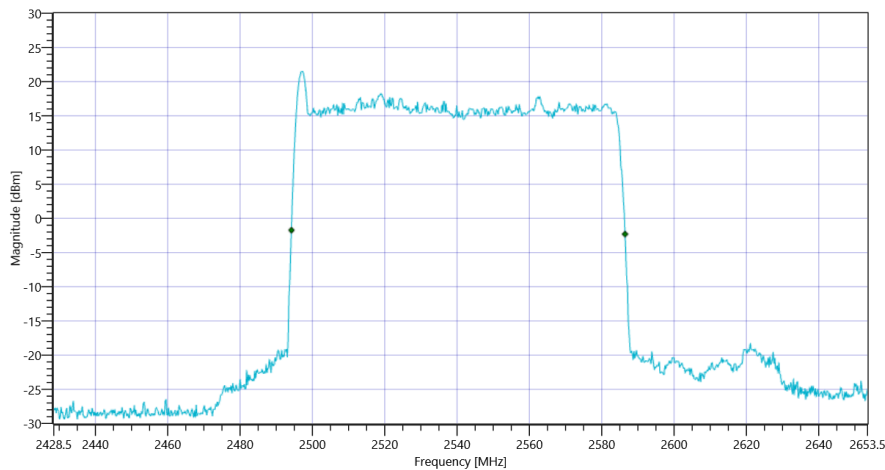
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Ref. Power 1MHz/1MHz cond.	---	---	21.24	dBm	INFO
Ref. Frequency	---	---	2497.040	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.24 0 40
Start [MHz] Stop [MHz]	2428.500 2653.500
RBW [MHz] VBW [MHz]	2.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	92.25	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_41 Ant-1 SCS-30 26dB

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	88.561	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.24 0 40
Start [MHz] Stop [MHz]	2428.500 2653.500
RBW [MHz] VBW [MHz]	2.000000 10.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 1500 1001 SWE