

Measurement Results

No.1-3977/22-03-21_Annex_MR_A1

Test logging

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Document authorized:

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Radio Communications

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FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-1 SCS-30	1002
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-1 SCS-30	1010

EUT Information

EUT DEFINITION

Manufacturer	Sagemcom Broadband SAS
Type	F5688W
Serial Number	IMEI: 359509840061128
Setup Number	1.0
Version SW	SG520TMDAR02A02M4G_01.001.01.001_V01
Version FW	SG520TMDAR02A02M4G_01.001.01.001_V01
Version HW	1.2
Comment 1	
Comment 2	
Temperature [°C] Min	-30
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-2 SCS-30

Test References

TC Start	29.11.2022 16:35:48
Ambit Temp [°C] Humidity [rel%]	24.7 36
System Version	3.3.2.1
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	ANT-2 MIMO

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	True
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

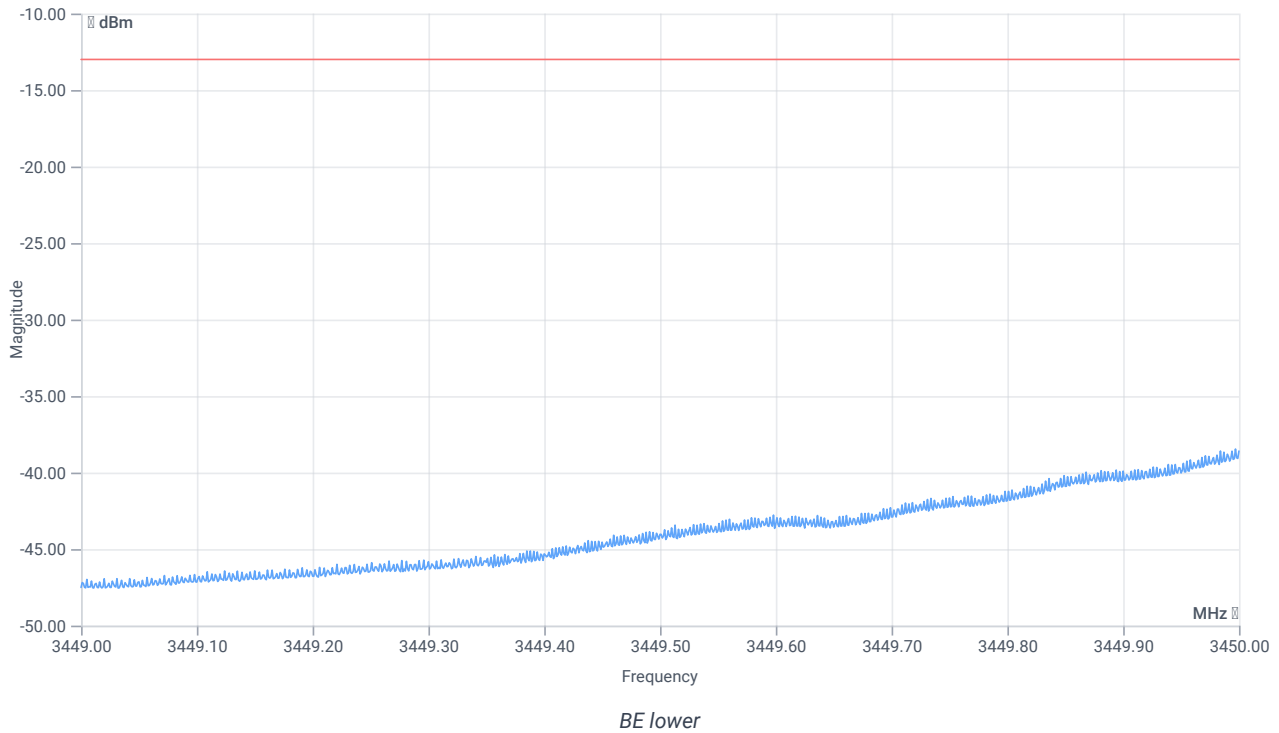
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 10

Test freq: low, UL[MHz]/CH 3455.01/630334, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.53 0 35
Start [MHz] Stop [MHz]	3449.000 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



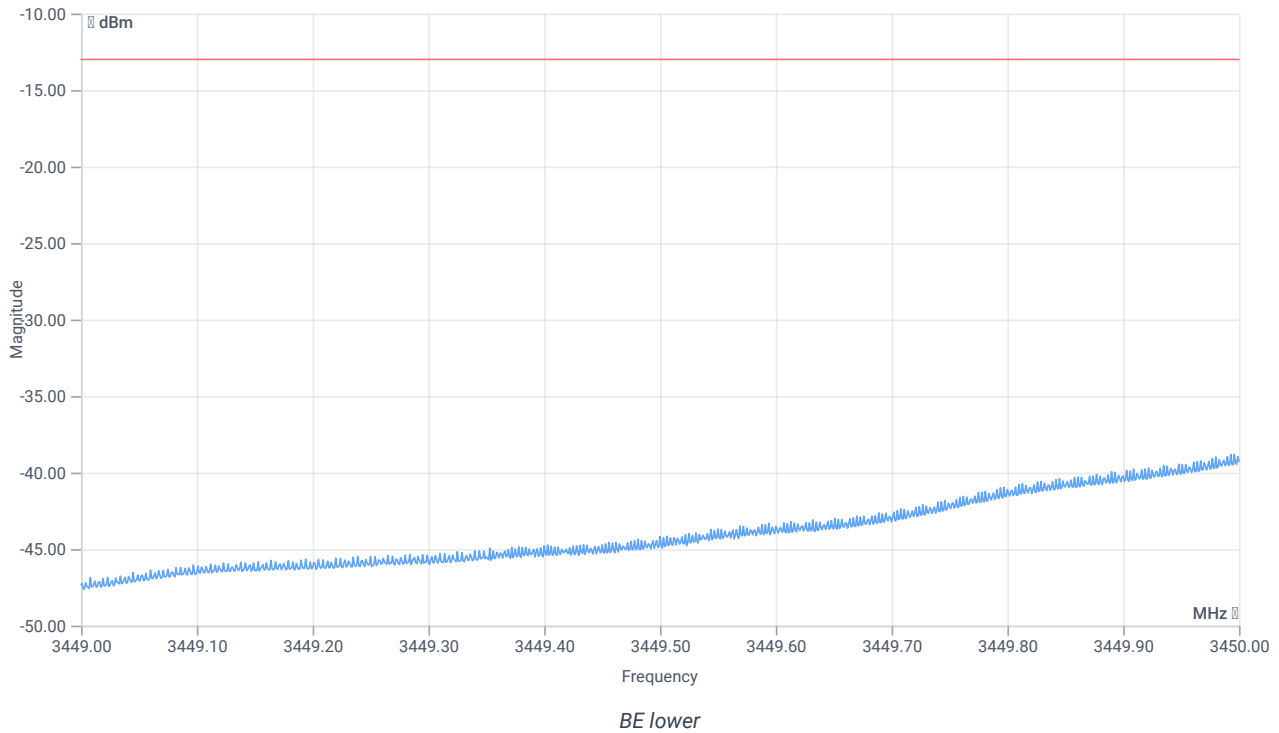
RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3449.5	--	-13	-33.57	dBm	PASS

Test freq: low, UL[MHz]/CH 3455.01/630334, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.60 0 35
Start [MHz] Stop [MHz]	3449.000 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



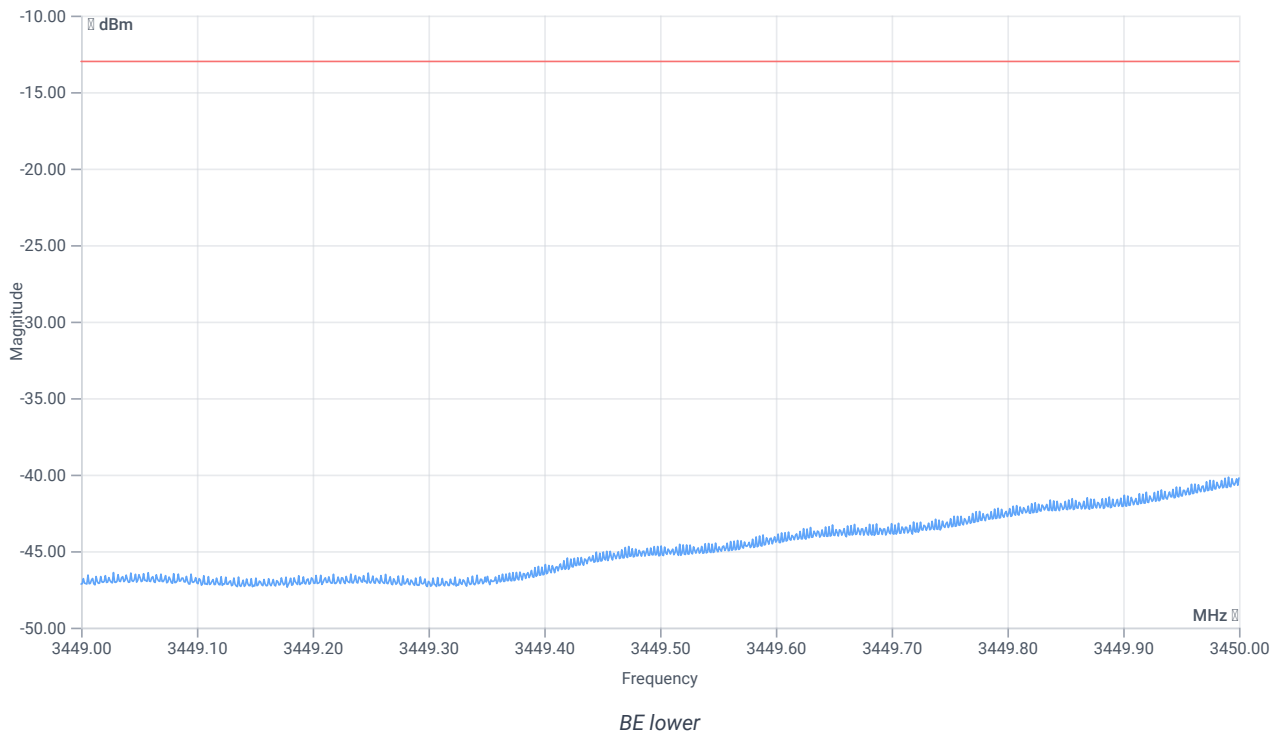
RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3449.5	---	-13	-33.62	dBm	PASS

Test freq: low, UL[MHz]/CH 3455.01/630334, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.66 0 35
Start [MHz] Stop [MHz]	3449.000 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



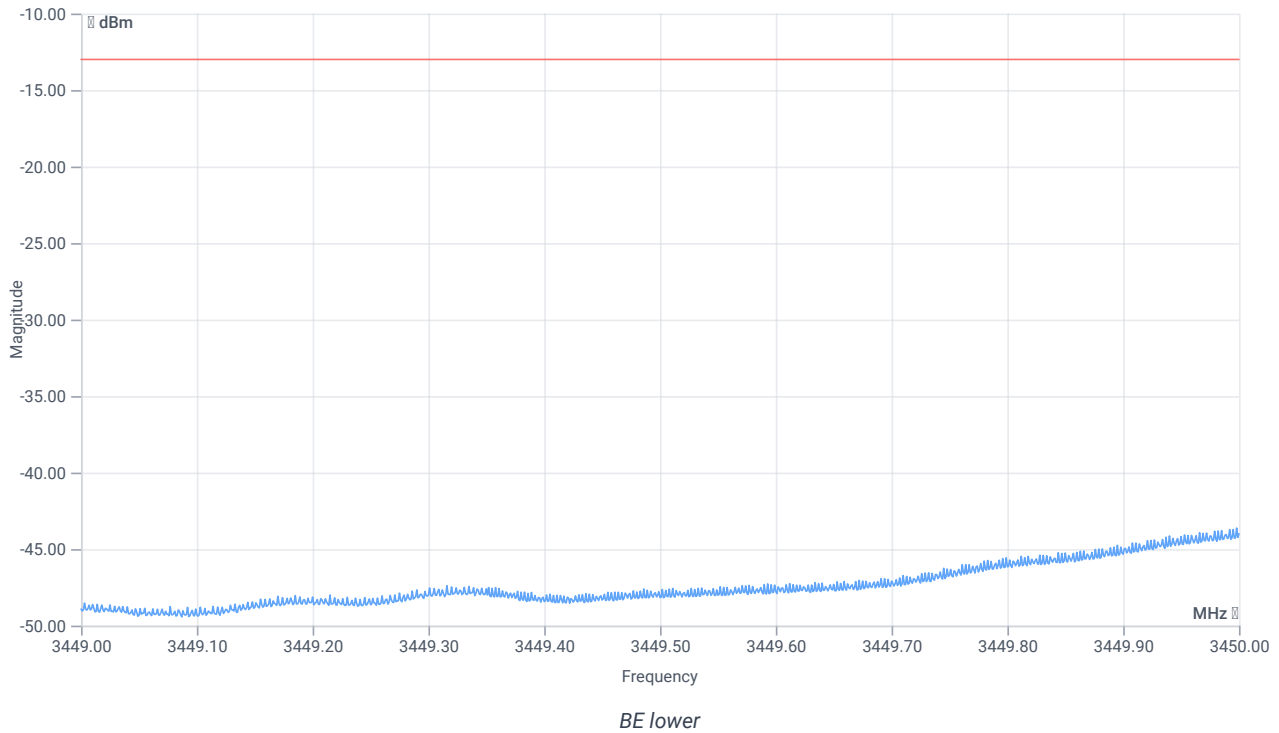
RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3449.5	--	-13	-34.59	dBm	PASS

Test freq: low, UL[MHz]/CH 3455.01/630334, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.17 0 35
Start [MHz] Stop [MHz]	3449.000 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



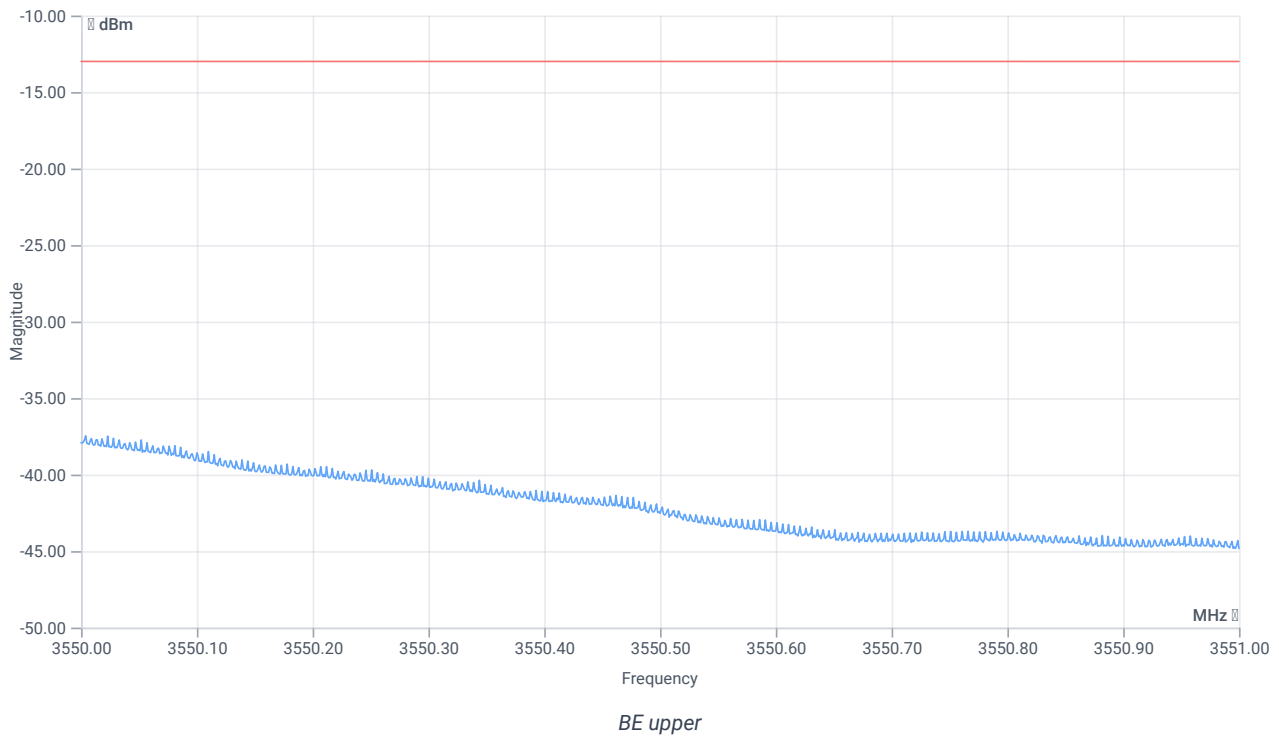
RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3449.5	--	-13	-37.47	dBm	PASS

Test freq: high, UL[MHz]/CH 3544.98/636332, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.69 0 35
Start [MHz] Stop [MHz]	3550.000 3551.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE



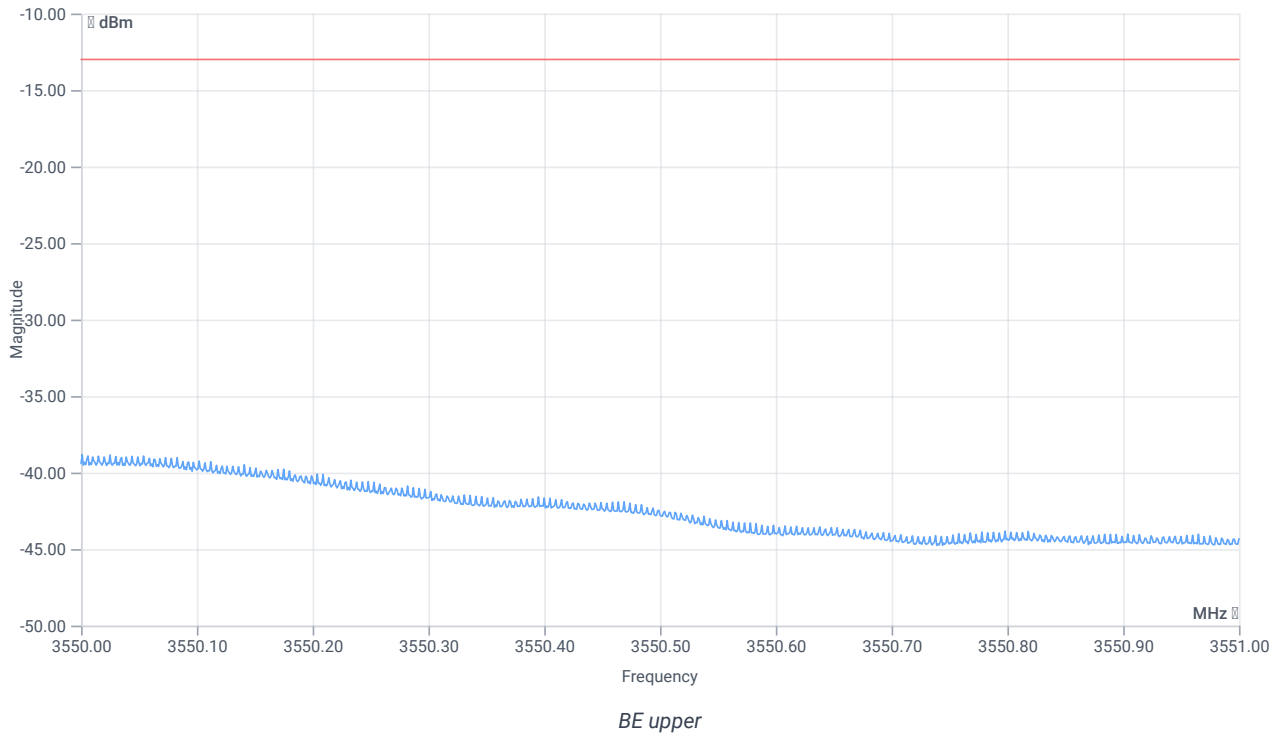
RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-31.85	dBm	PASS

Test freq: high, UL[MHz]/CH 3544.98/636332, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.58 0 35
Start [MHz] Stop [MHz]	3550.000 3551.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE



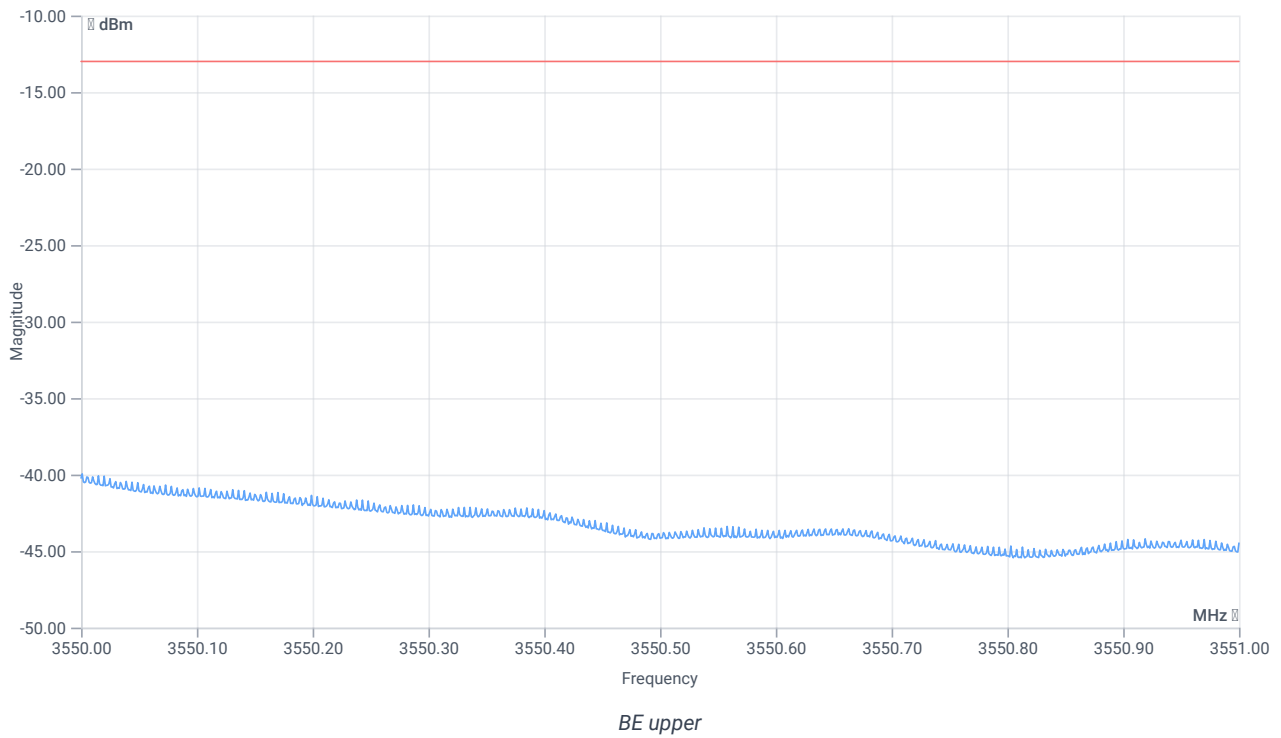
RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	---	-13	-32.44	dBm	PASS

Test freq: high, UL[MHz]/CH 3544.98/636332, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.09 0 35
Start [MHz] Stop [MHz]	3550.000 3551.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE



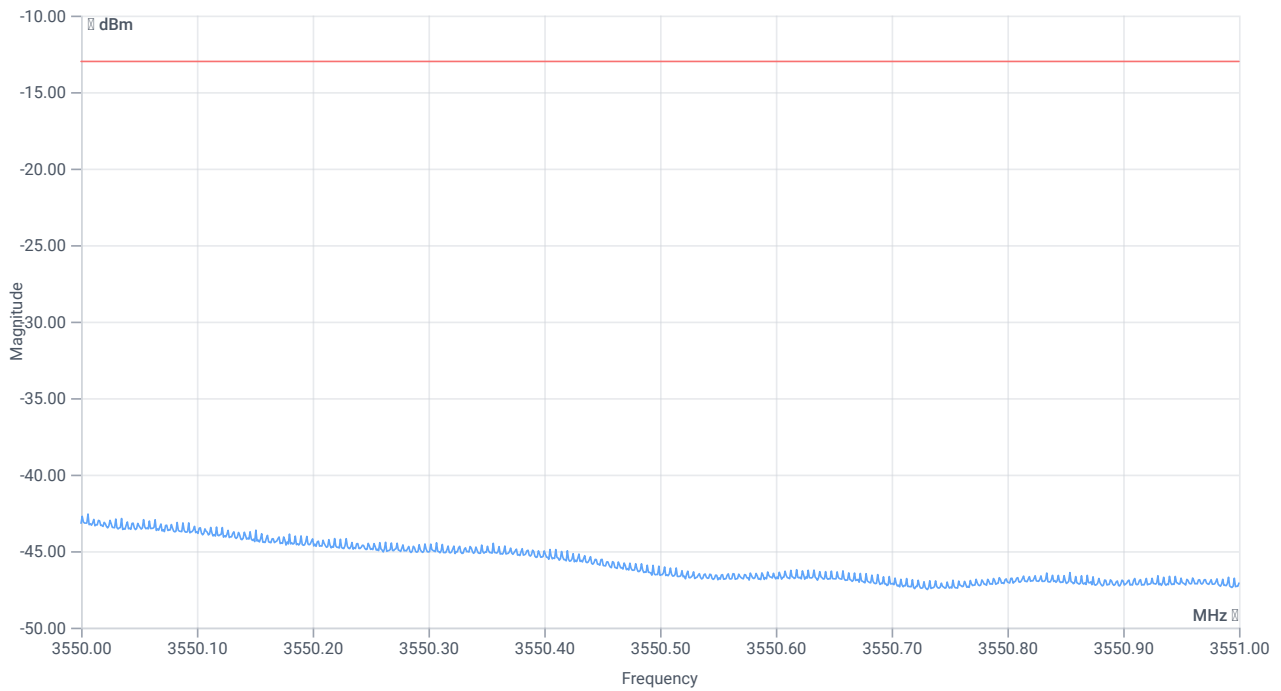
RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-33.36	dBm	PASS

Test freq: high, UL[MHz]/CH 3544.98/636332, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.17 0 35
Start [MHz] Stop [MHz]	3550.000 3551.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE



BE upper

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-35.84	dBm	PASS

FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band_77_A Ant-2 SCS-30

Test References

TC Start	29.11.2022 16:10:06
Ambit Temp [°C] Humidity [rel%]	25.0 35
System Version	3.3.2.1
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	ANT-2 MIMO

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	True
Frequency mid to test	True
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

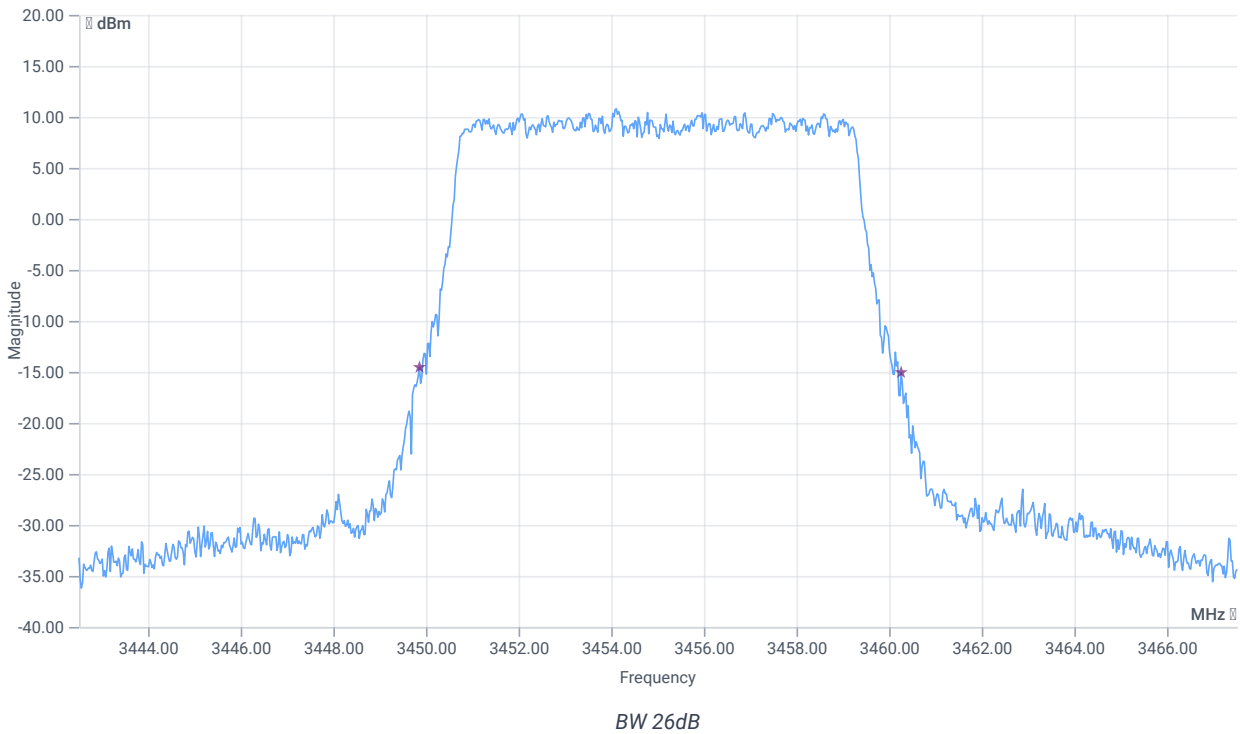
Test freq: low, UL[MHz]/CH 3455.01/630334, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.93 0 40
Start [MHz] Stop [MHz]	3442.510 3467.510
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH

READ SA SETTINGS:

Sweep: Time [ms] | Count | Points per Section | Type 2 | 1500 | 1001 | SWE

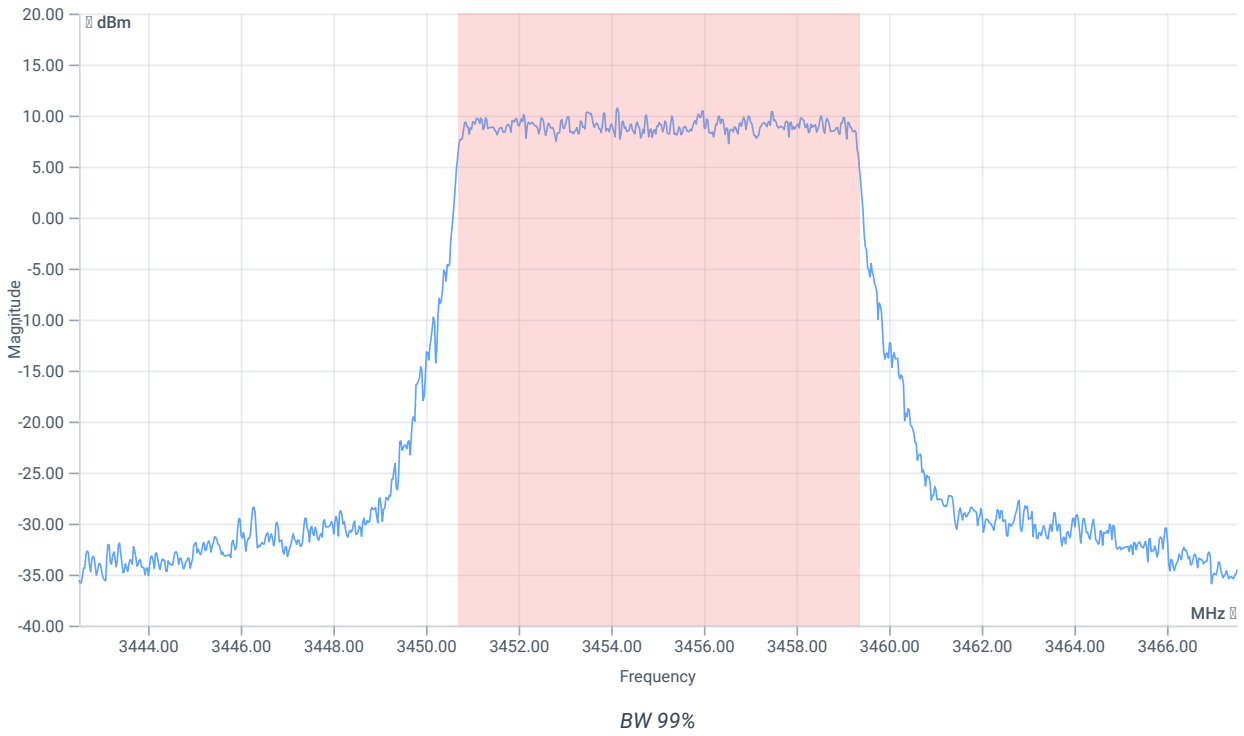


RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	10.4	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.93 0 40
Start [MHz] Stop [MHz]	3442.510 3467.510
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1 1500 1001 SWE



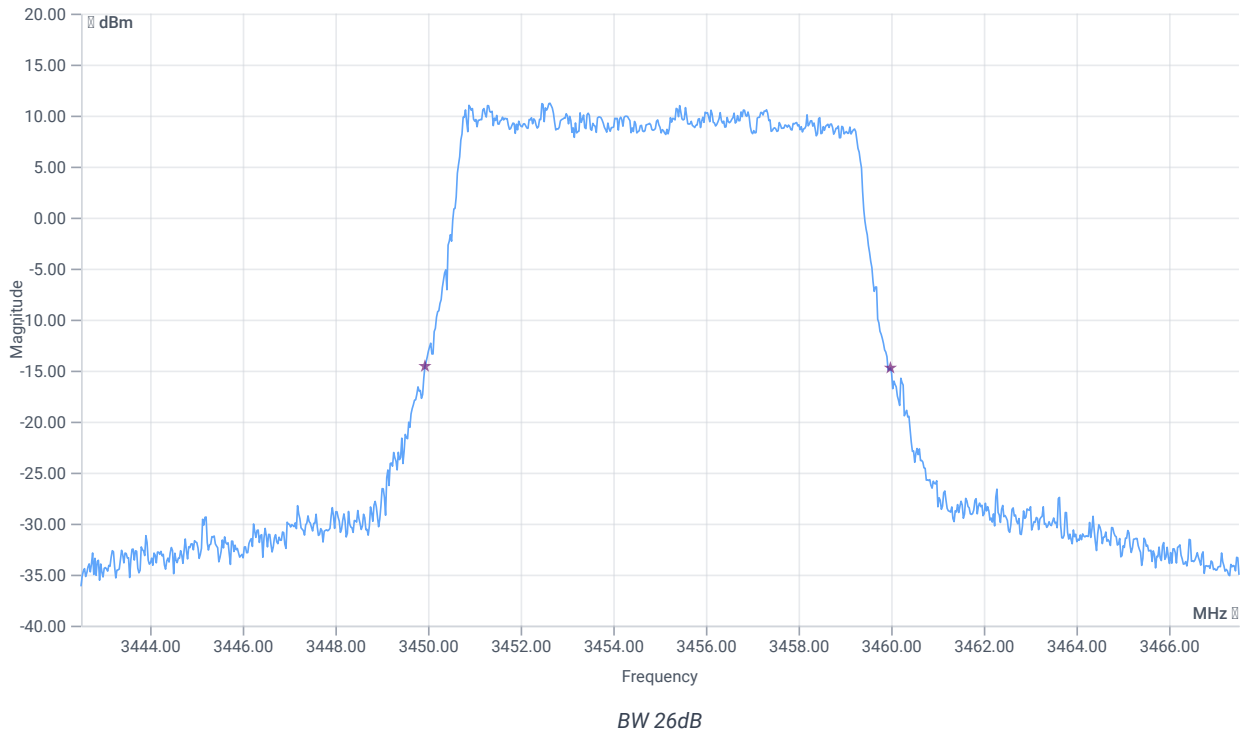
RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	8.666	MHz	INFO

Test freq: low, UL[MHz]/CH 3455.01/630334, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.01 0 40
Start [MHz] Stop [MHz]	3442.510 3467.510
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

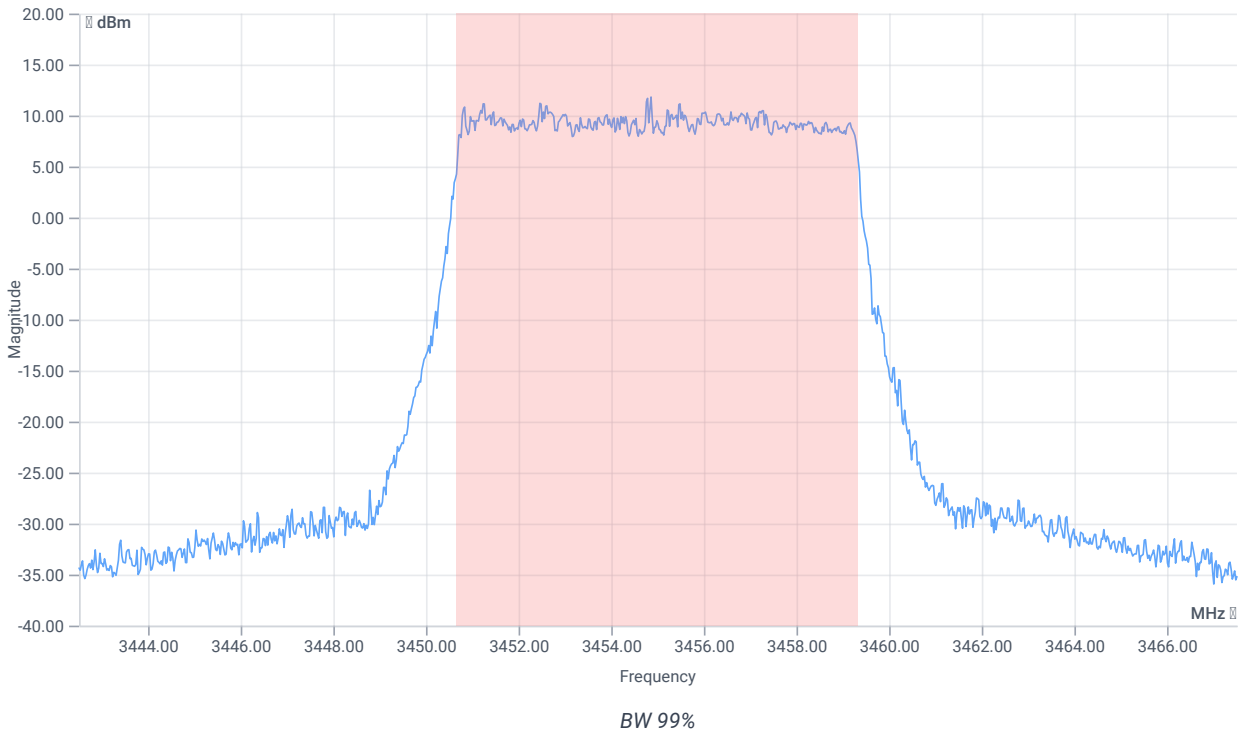


RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	10.05	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.01 0 40
Start [MHz] Stop [MHz]	3442.510 3467.510
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE



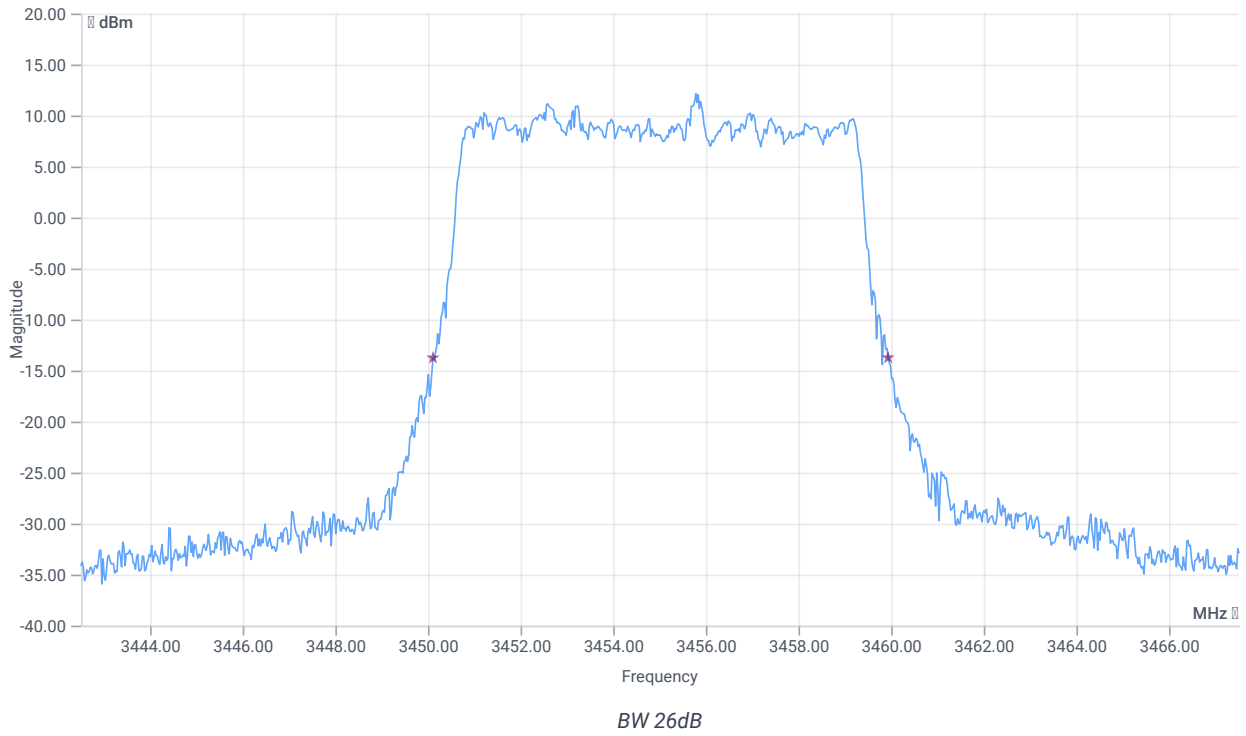
RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	8.666	MHz	INFO

Test freq: low, UL[MHz]/CH 3455.01/630334, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.65 0 40
Start [MHz] Stop [MHz]	3442.510 3467.510
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

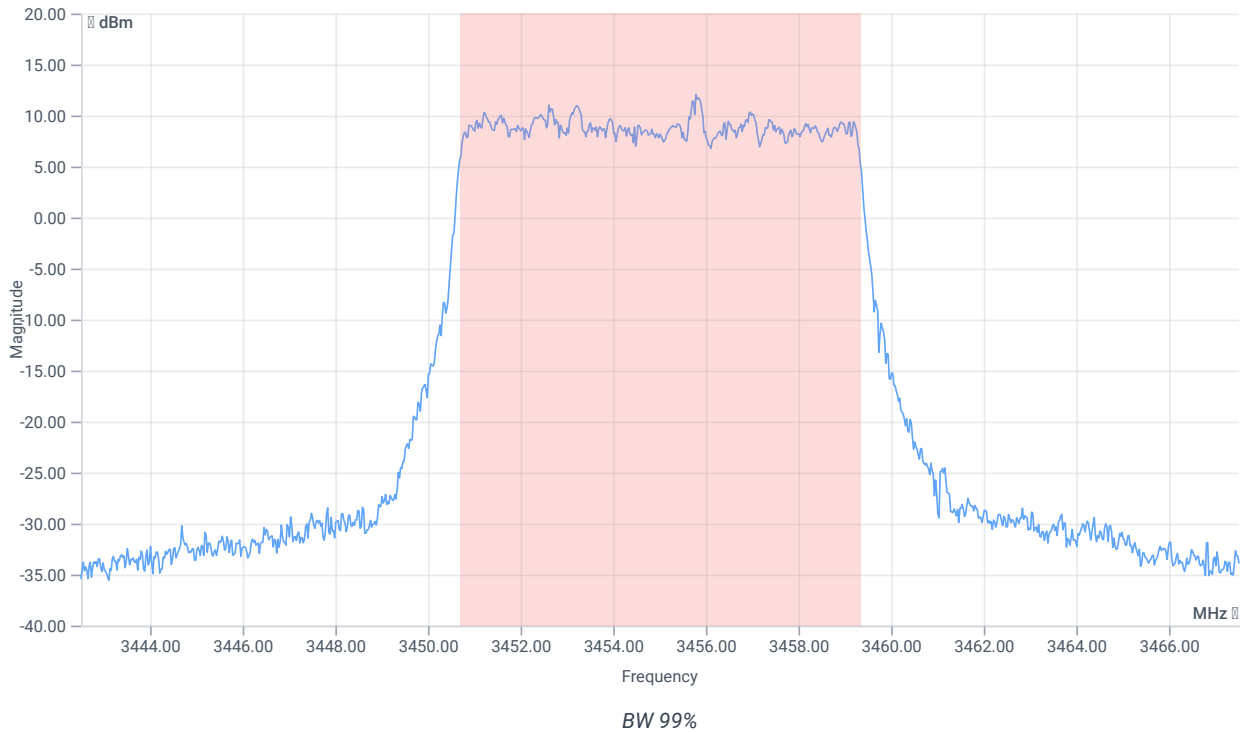


RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	9.825	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.65 0 40
Start [MHz] Stop [MHz]	3442.510 3467.510
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE



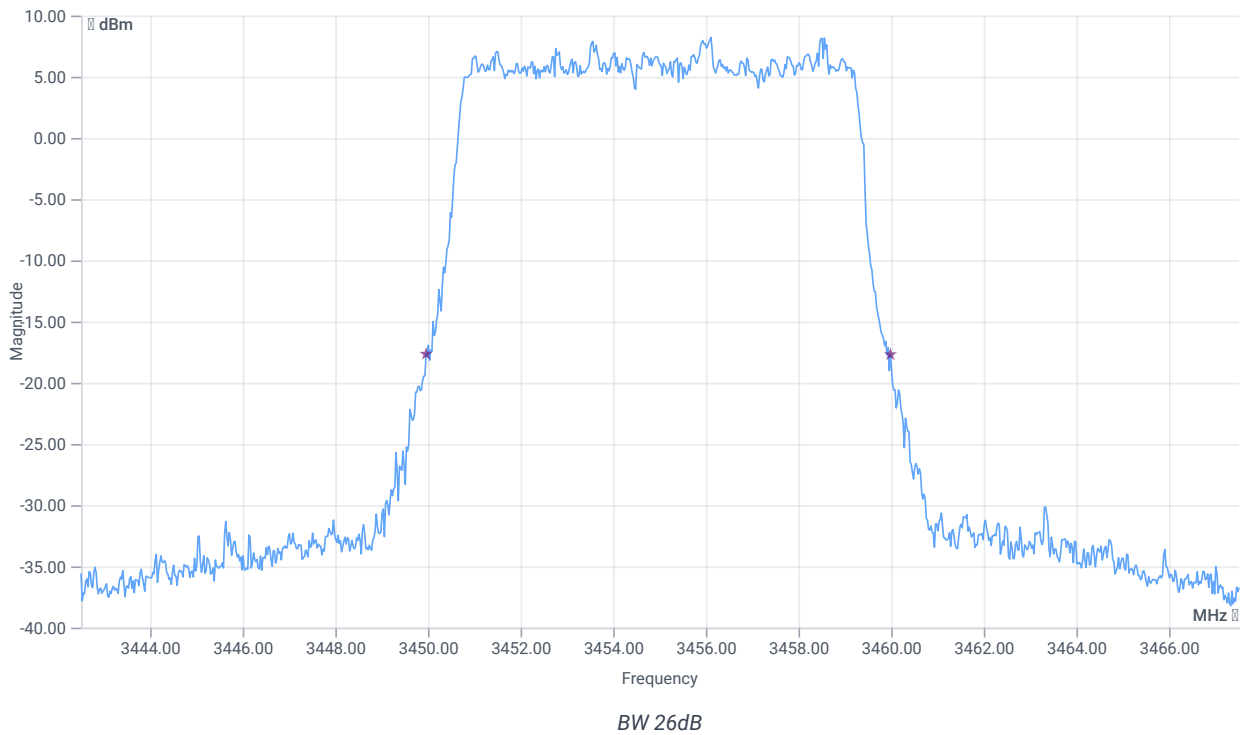
RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	8.641	MHz	INFO

Test freq: low, UL[MHz]/CH 3455.01/630334, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.79 0 35
Start [MHz] Stop [MHz]	3442.510 3467.510
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

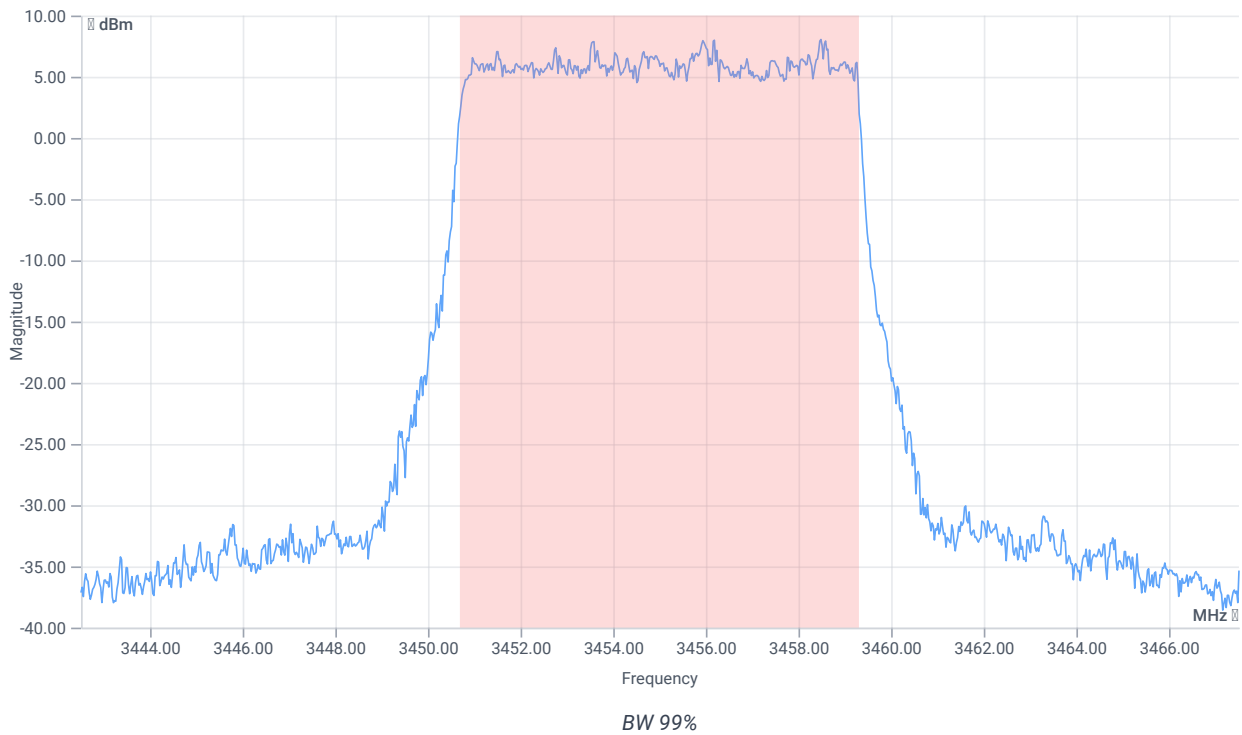


RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	10.025	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.79 0 35
Start [MHz] Stop [MHz]	3442.510 3467.510
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE



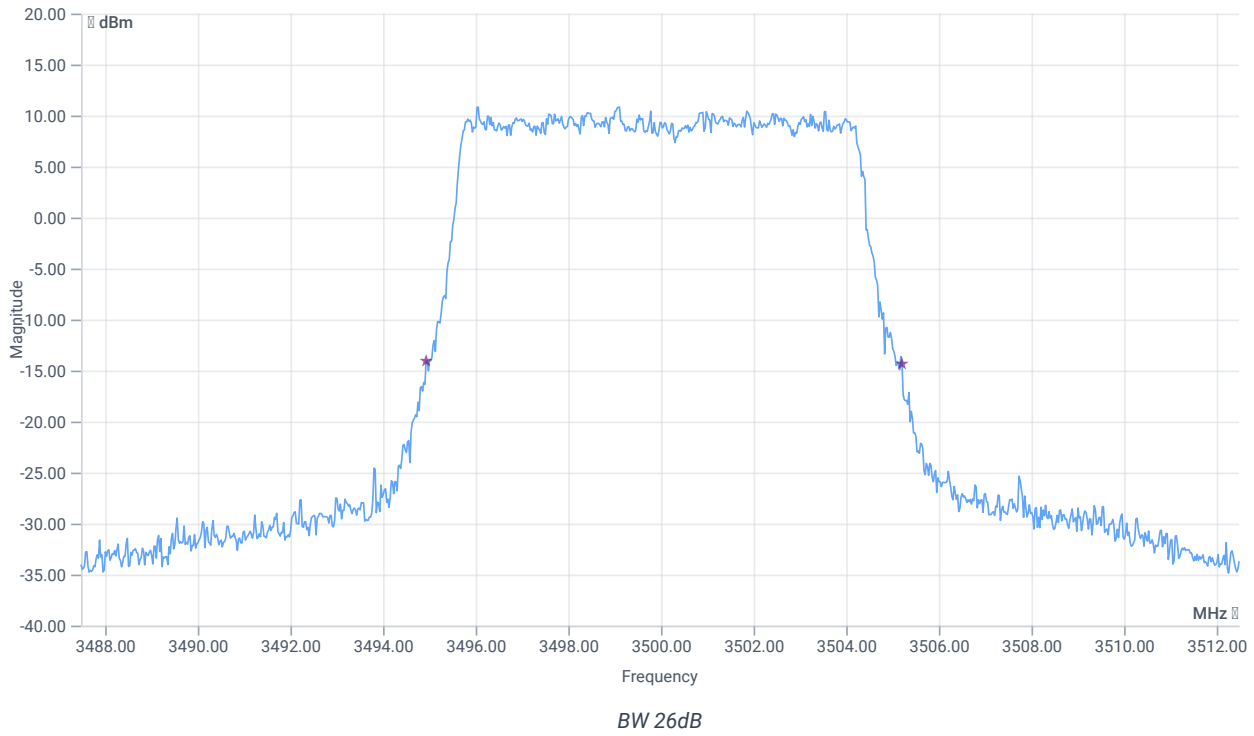
RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	8.616	MHz	INFO

Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.56 0 40
Start [MHz] Stop [MHz]	3487.480 3512.480
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

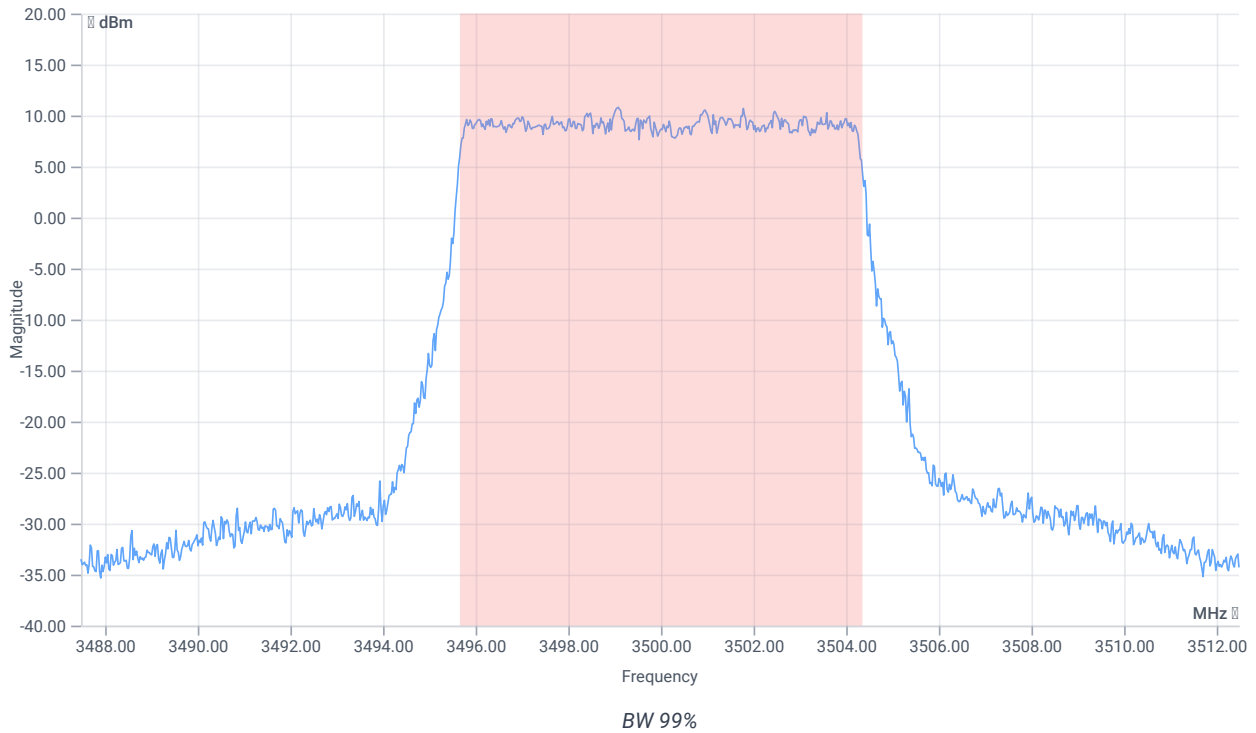


RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	10.275	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.56 0 40
Start [MHz] Stop [MHz]	3487.480 3512.480
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE



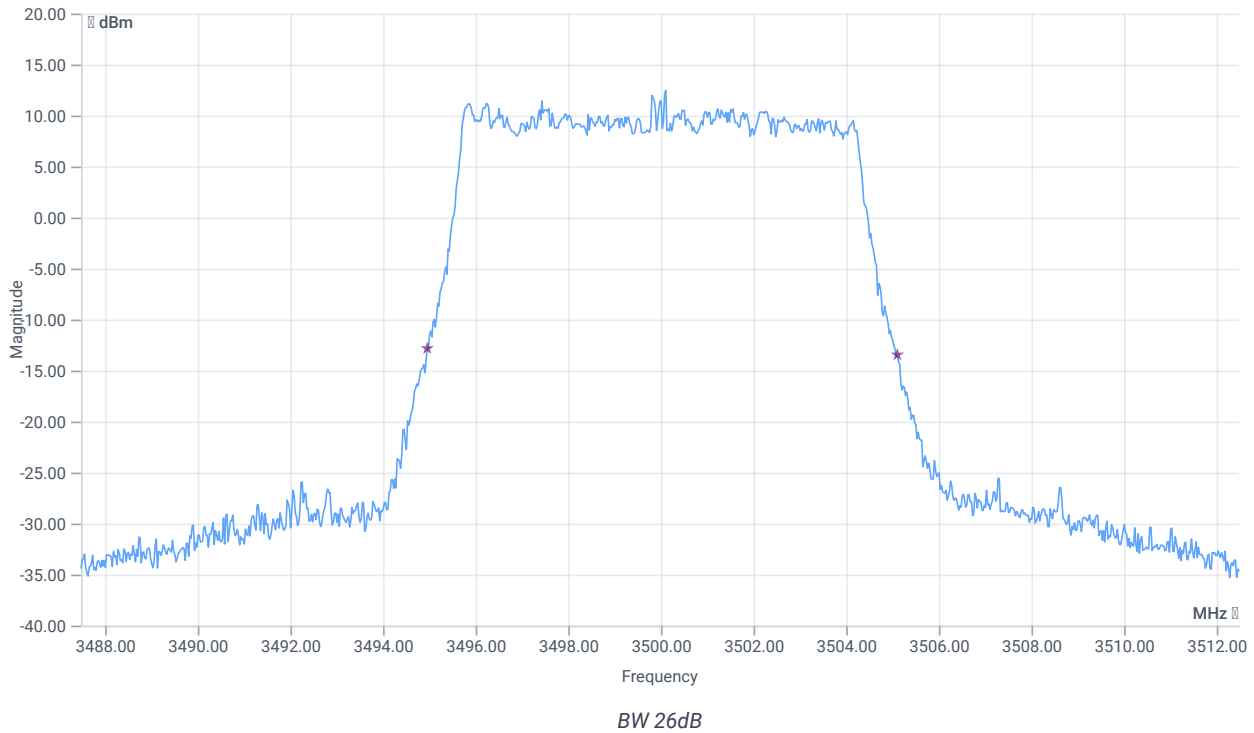
RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	8.691	MHz	INFO

Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.81 0 40
Start [MHz] Stop [MHz]	3487.480 3512.480
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

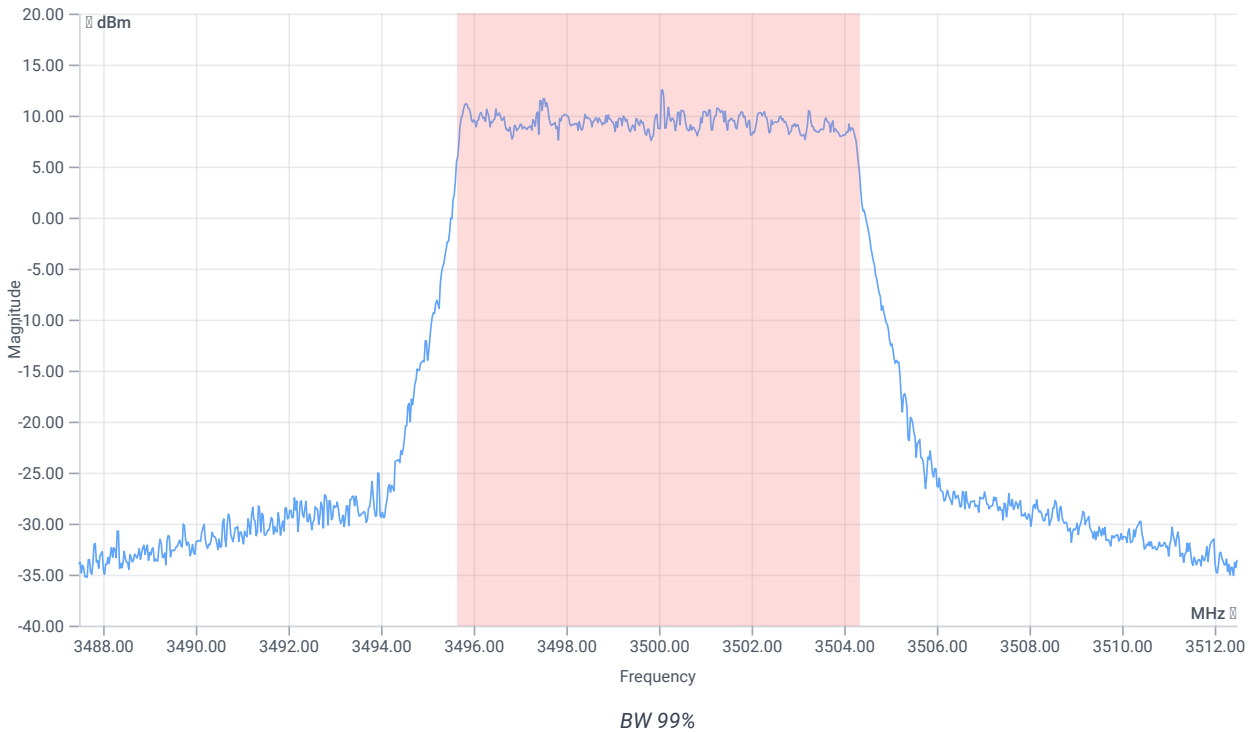


RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	10.15	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.81 0 40
Start [MHz] Stop [MHz]	3487.480 3512.480
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE



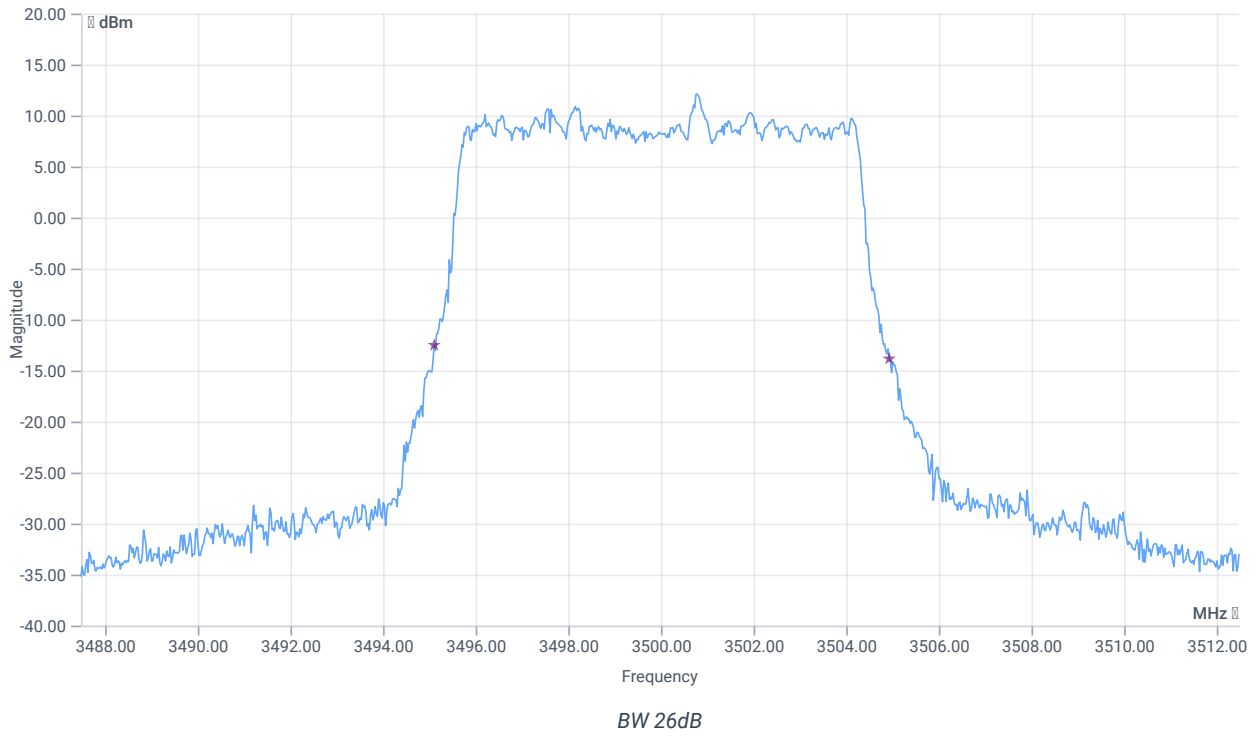
RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	8.691	MHz	INFO

Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.72 0 40
Start [MHz] Stop [MHz]	3487.480 3512.480
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

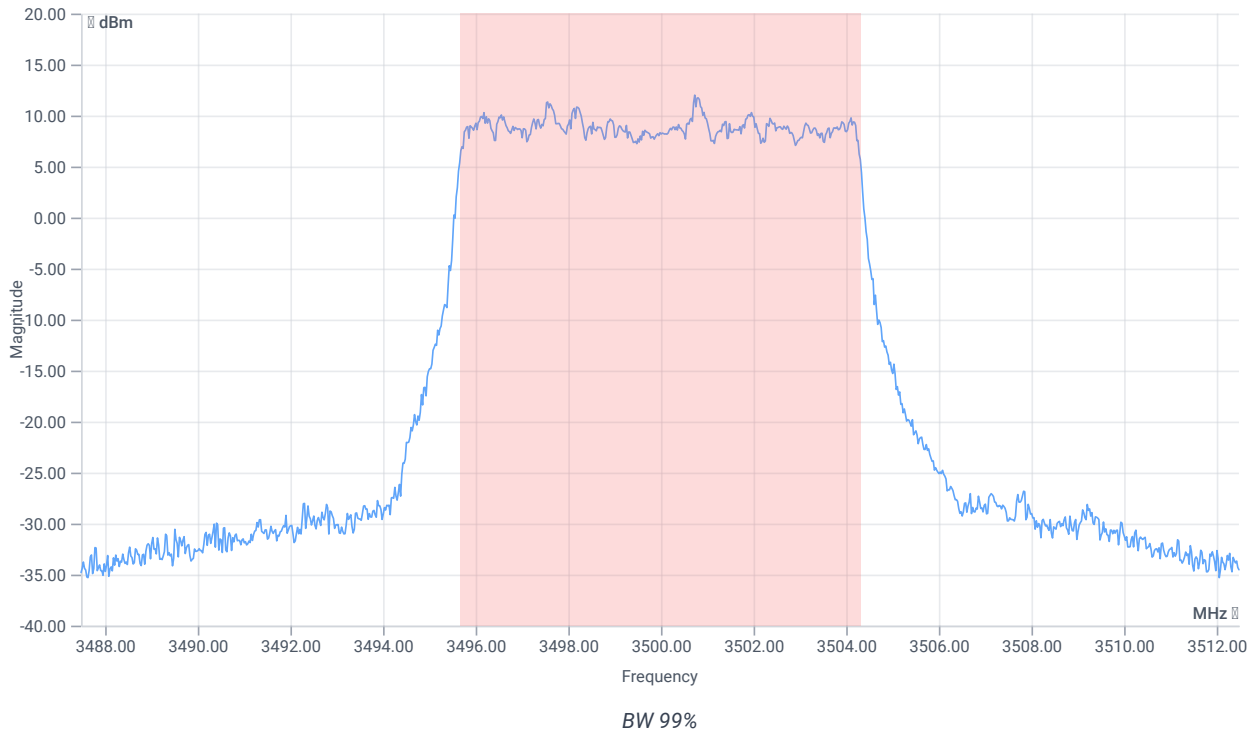


RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	9.825	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.72 0 40
Start [MHz] Stop [MHz]	3487.480 3512.480
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE



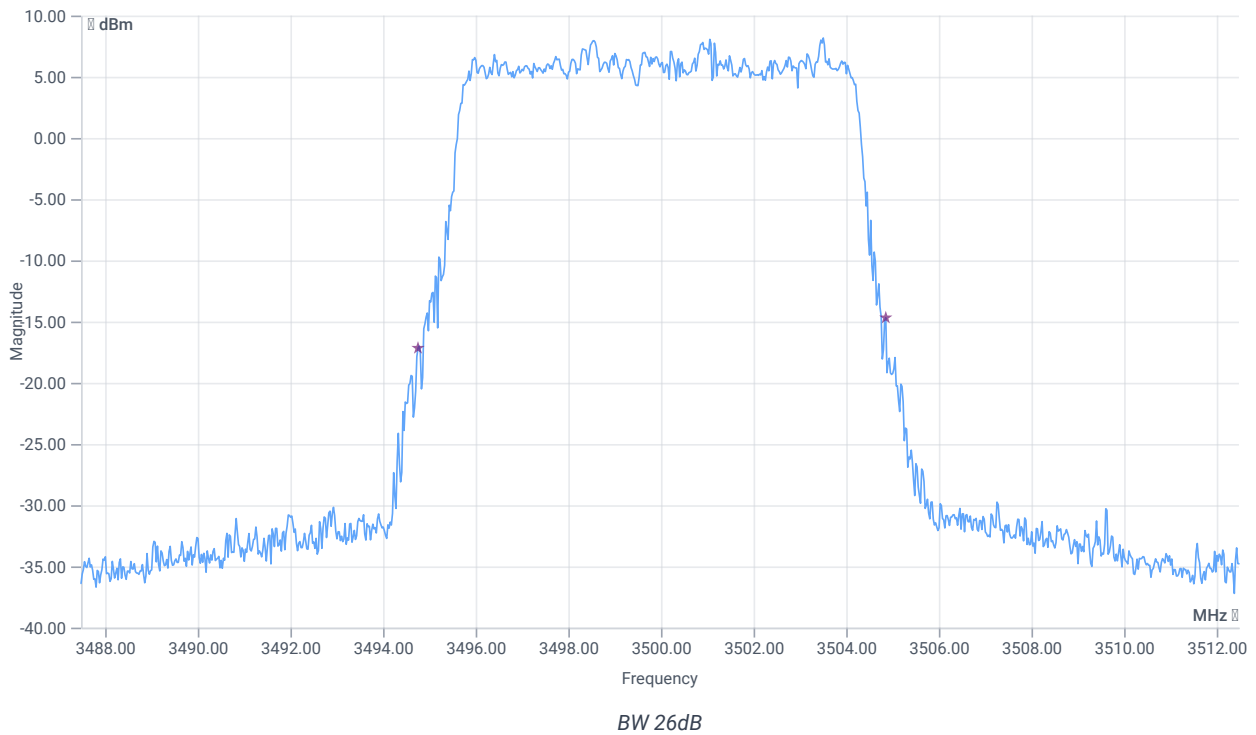
RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	8.641	MHz	INFO

Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.09 0 40
Start [MHz] Stop [MHz]	3487.480 3512.480
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

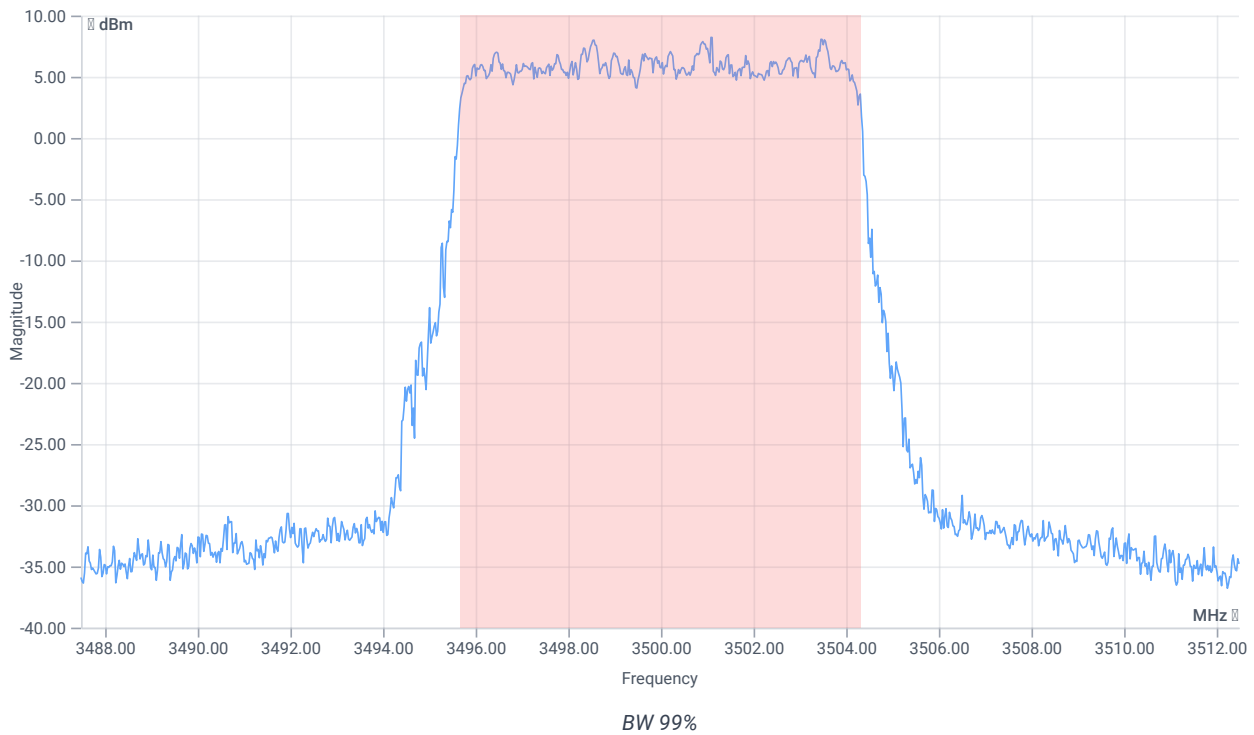


RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	10.1	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.09 0 40
Start [MHz] Stop [MHz]	3487.480 3512.480
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE



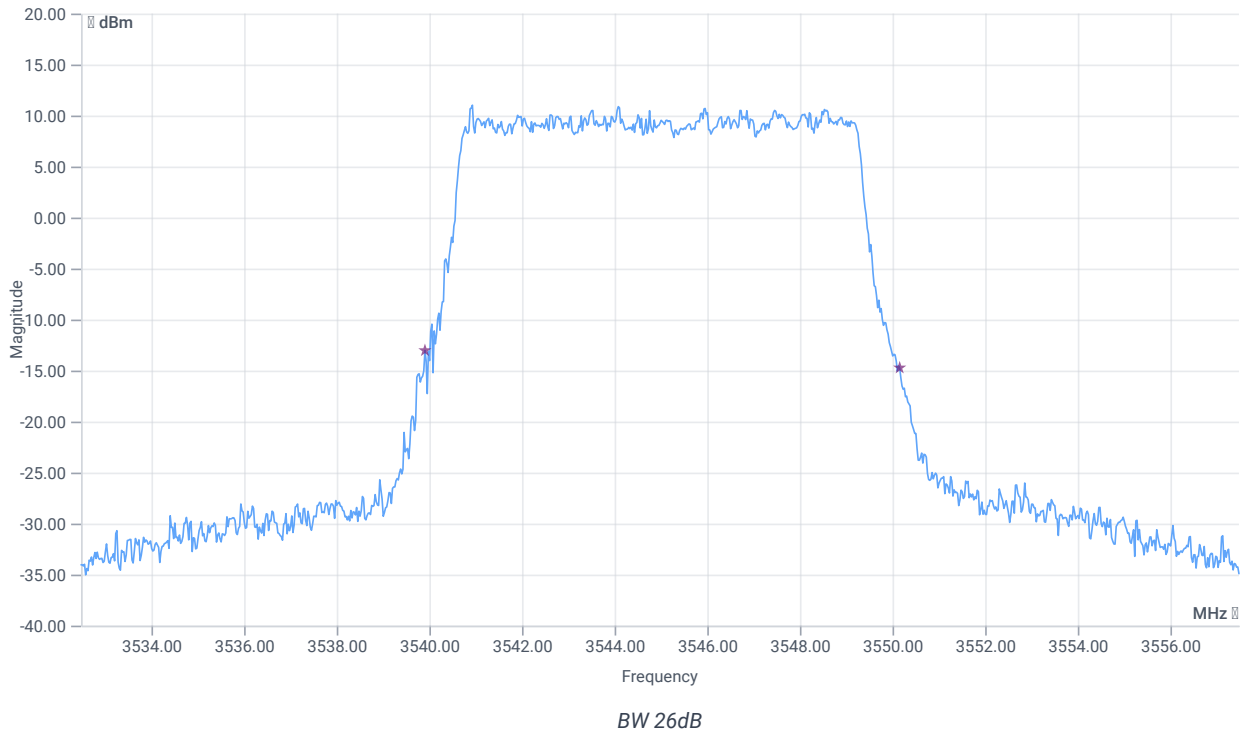
RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	8.641	MHz	INFO

Test freq: high, UL[MHz]/CH 3544.98/636332, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.73 0 40
Start [MHz] Stop [MHz]	3532.480 3557.480
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

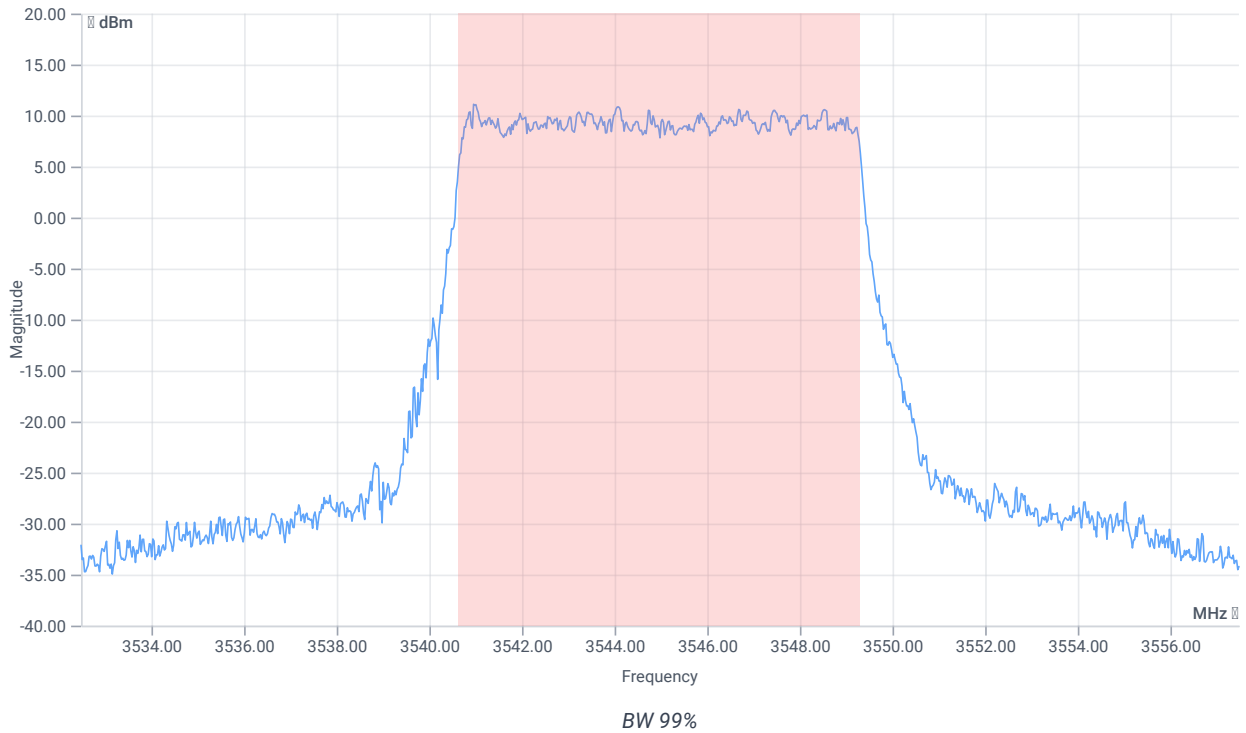


RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	10.25	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.73 0 40
Start [MHz] Stop [MHz]	3532.480 3557.480
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE



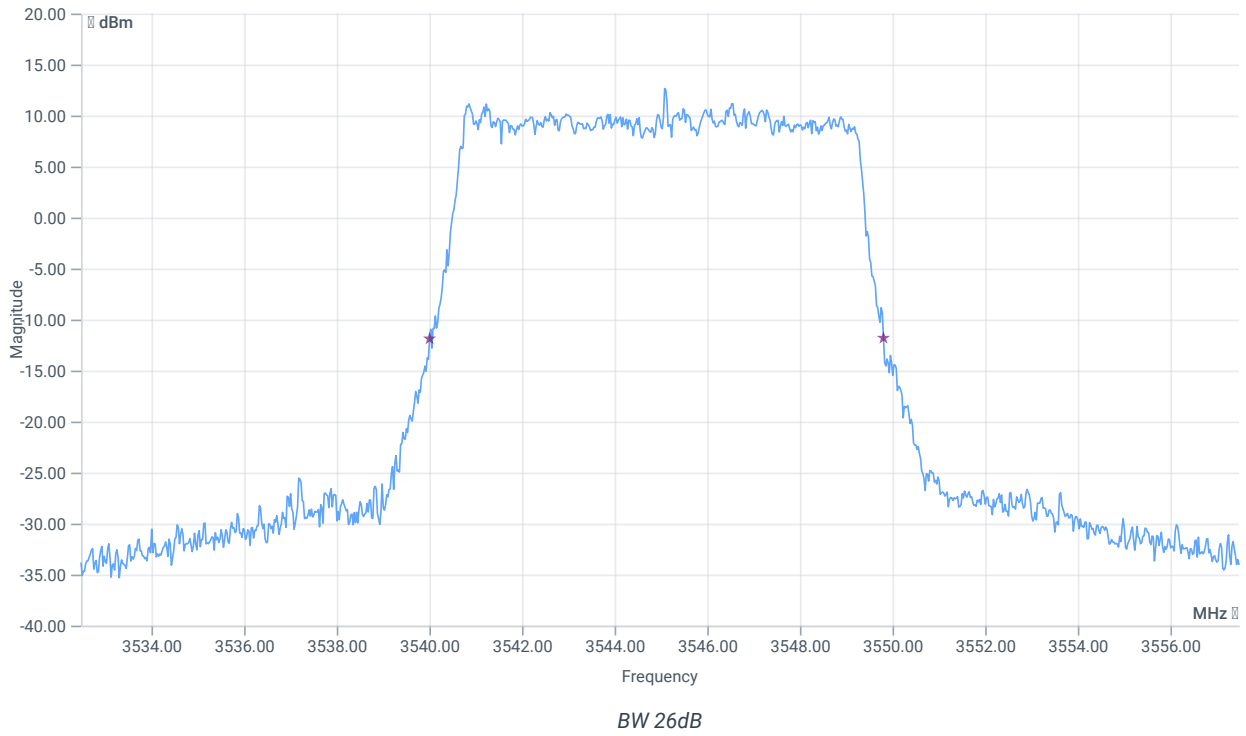
RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	8.666	MHz	INFO

Test freq: high, UL[MHz]/CH 3544.98/636332, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.58 0 40
Start [MHz] Stop [MHz]	3532.480 3557.480
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

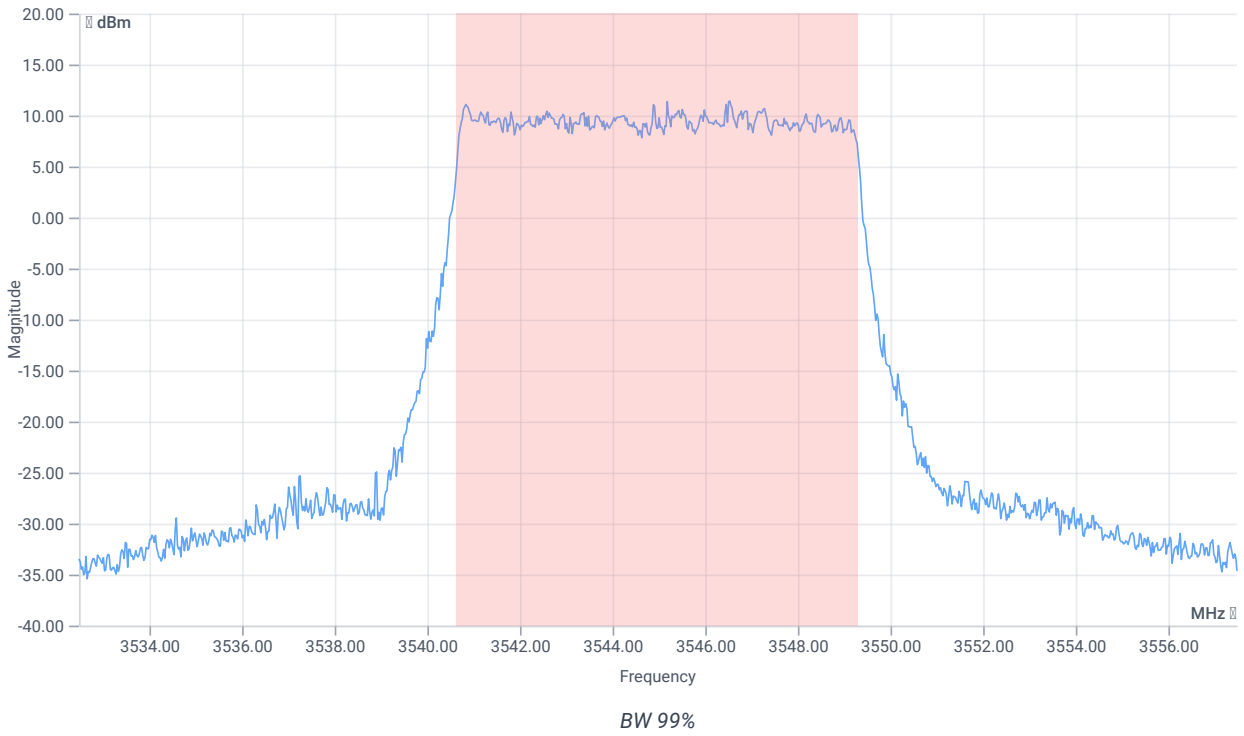


RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	9.8	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.58 0 40
Start [MHz] Stop [MHz]	3532.480 3557.480
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE



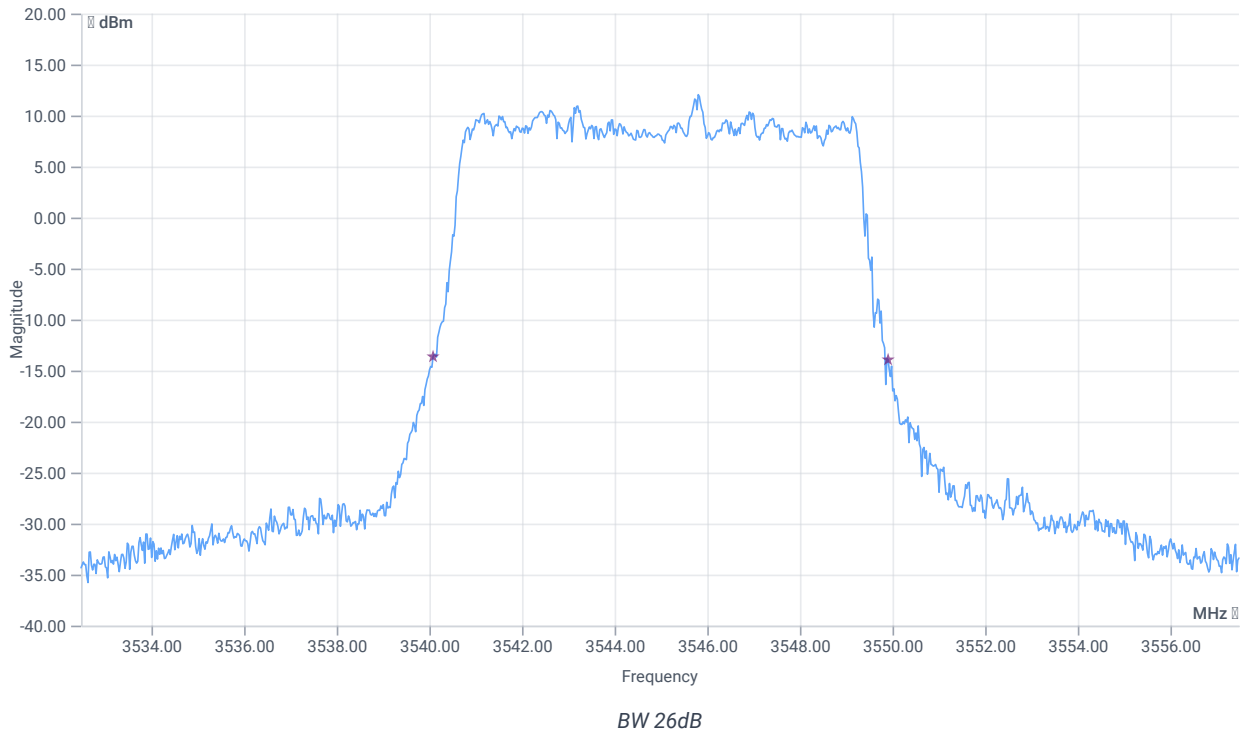
RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	8.666	MHz	INFO

Test freq: high, UL[MHz]/CH 3544.98/636332, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.79 0 40
Start [MHz] Stop [MHz]	3532.480 3557.480
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

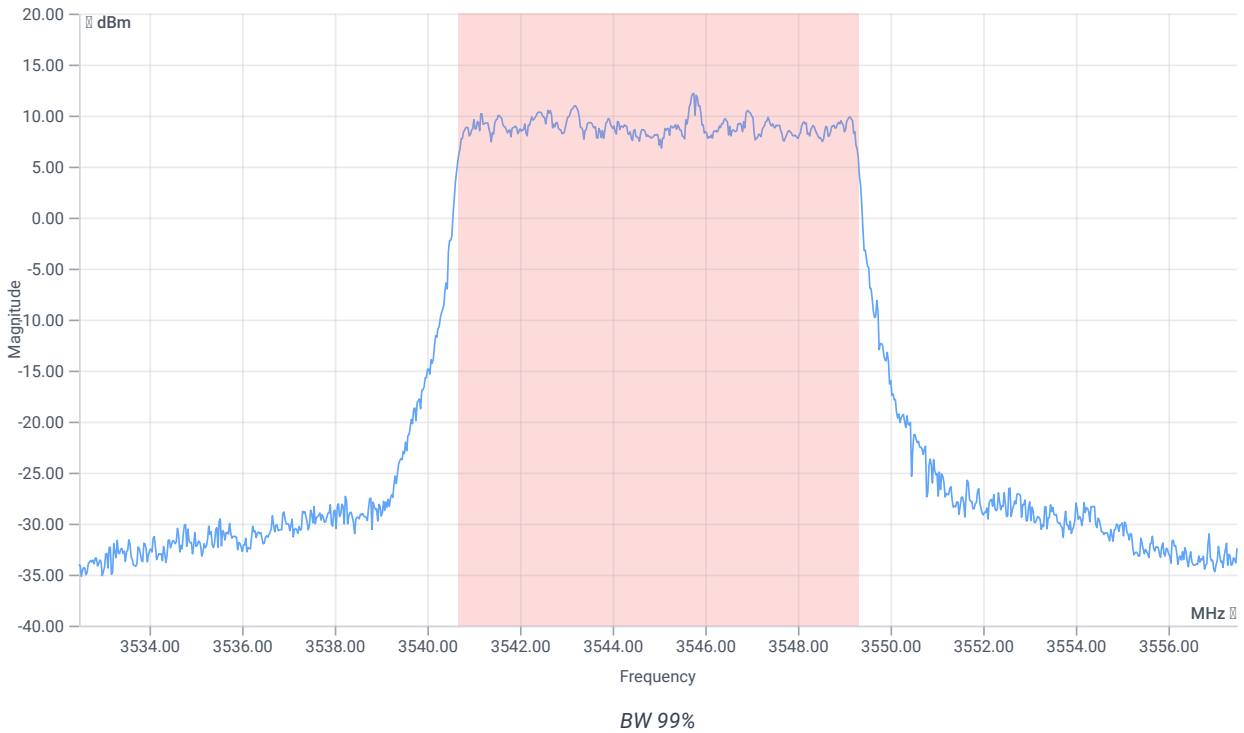


RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	9.825	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.79 0 40
Start [MHz] Stop [MHz]	3532.480 3557.480
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE



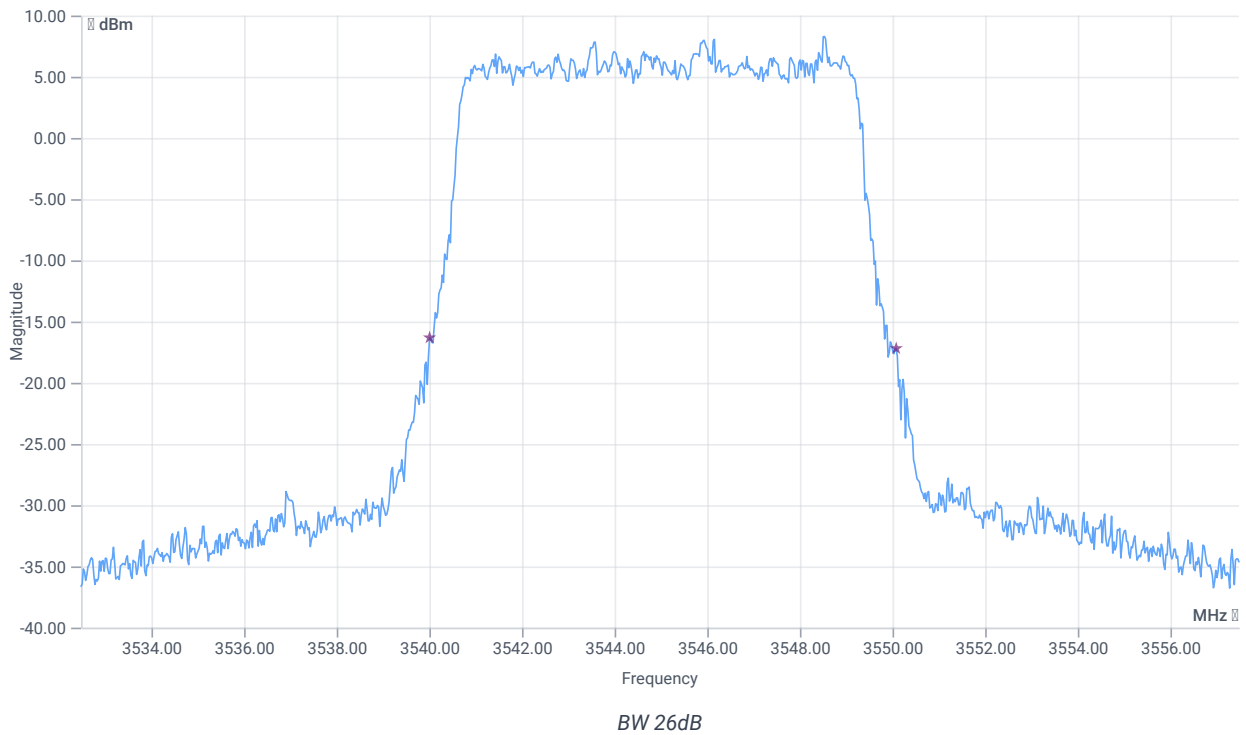
RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	8.641	MHz	INFO

Test freq: high, UL[MHz]/CH 3544.98/636332, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.00 0 40
Start [MHz] Stop [MHz]	3532.480 3557.480
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE

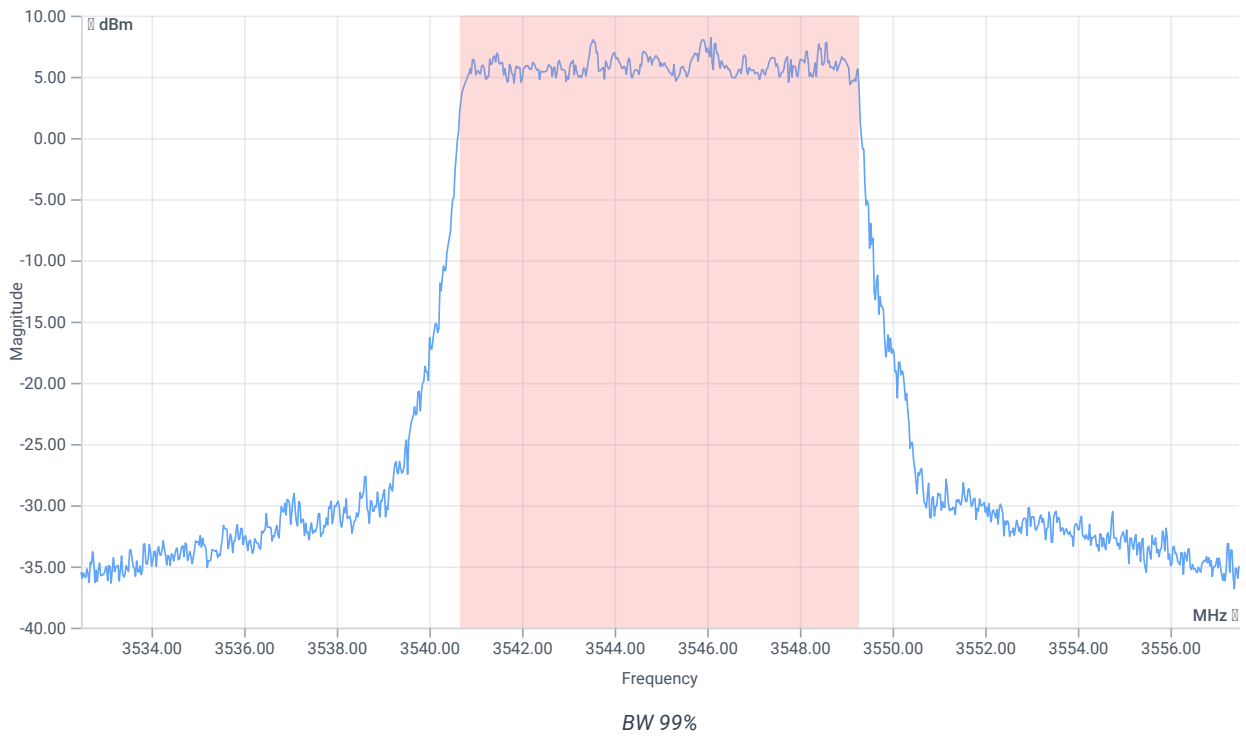


RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	--	--	10.075	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.00 0 40
Start [MHz] Stop [MHz]	3532.480 3557.480
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	2 1500 1001 SWE



RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	--	--	8.616	MHz	INFO

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

Test References

TC Start	29.11.2022 15:48:21
Ambit Temp [°C] Humidity [rel%]	24.9 36
System Version	3.3.2.1
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	DFTOFDM
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

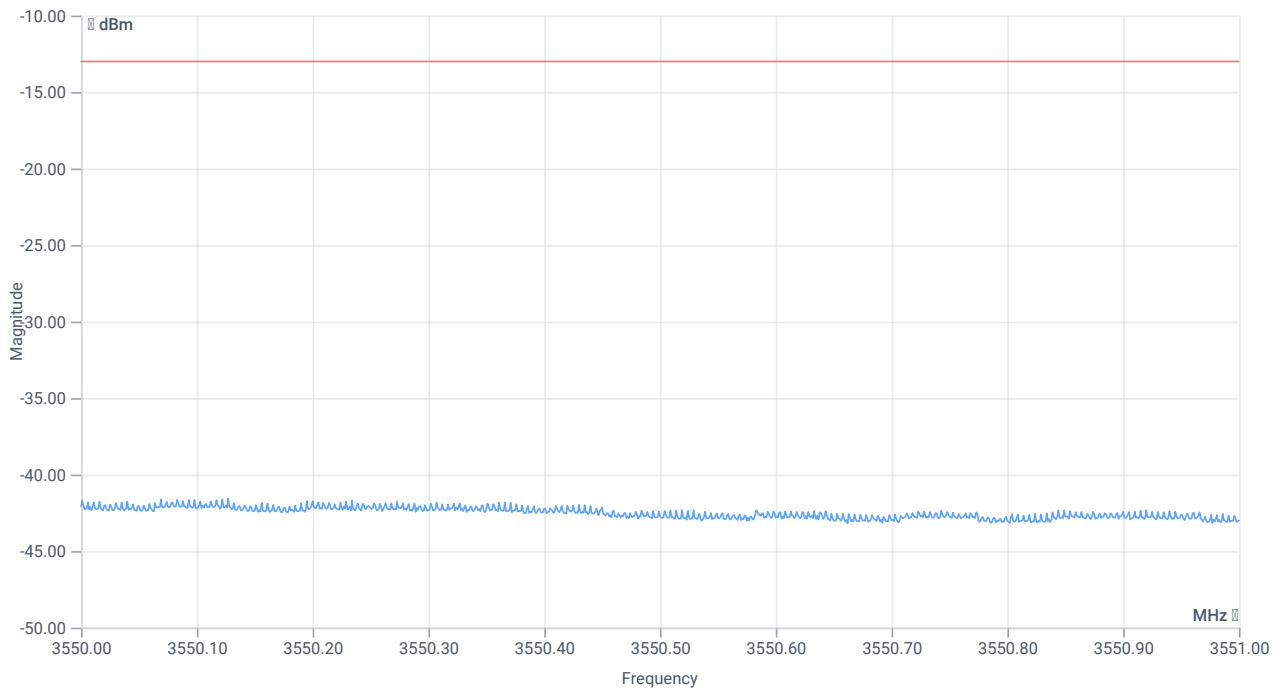
Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70

Test at BW [MHz]: 30

Test freq: high, UL[MHz]/CH 3534.99/635666, CBW [MHz]: 30, RB_100PCT, Mod: BPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.94 0 35
Start [MHz] Stop [MHz]	3550.000 3551.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE



BE upper

RESULT upper band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3550.5	--	-13	-37.55	dBm	PASS

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

Test References

TC Start	08.11.2022 16:38:06
Ambit Temp [°C] Humidity [rel%]	25.5 37
System Version	3.3.1.5
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	ANT-1 SISO

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	DFTOFDM
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

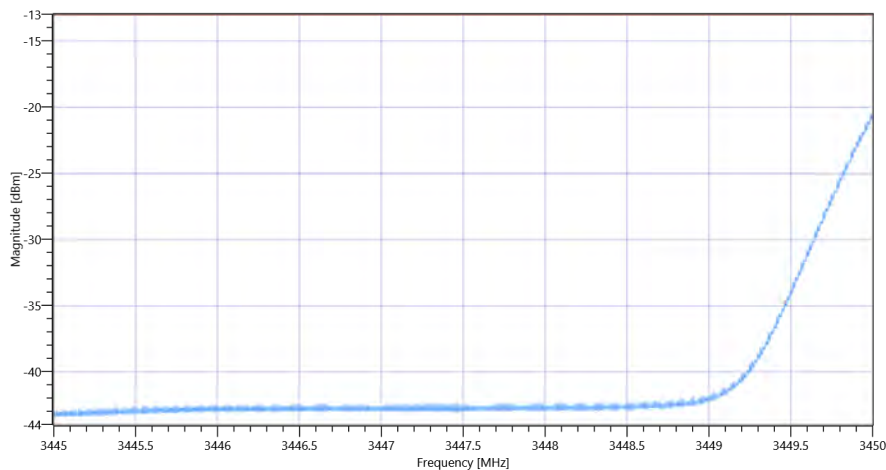
Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 100, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.76 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] 3449.5	--	-13	-28.51	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-42.84	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-43.03	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-43.06	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-43.25	dBm	PASS



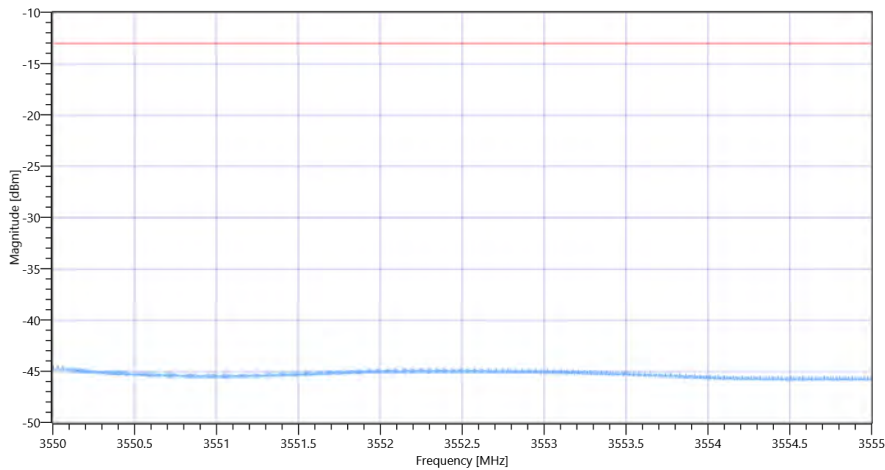
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.76 0 30
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	-45.49	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-45.54	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-45.27	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-45.56	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-45.99	dBm	PASS



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

Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 100, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

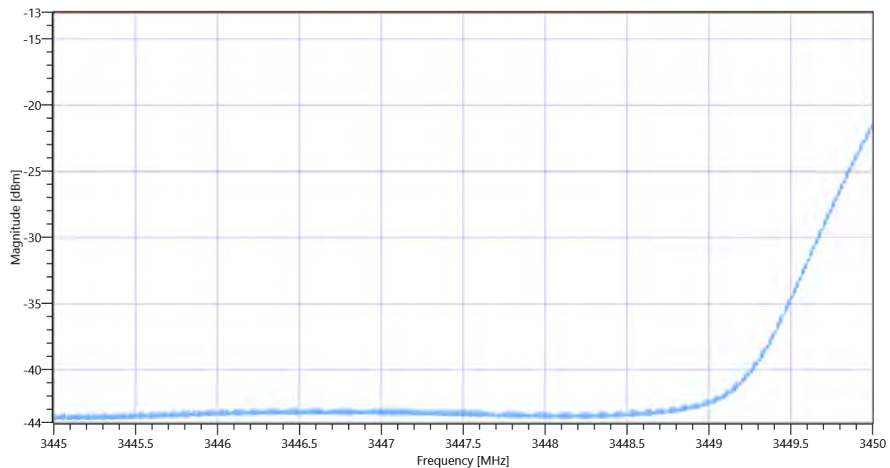
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.43 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3449.5	--	-13	-29.35	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-43.53	dBm	PASS

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3447.5	--	-13	-43.61	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-43.49	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-43.75	dBm	PASS



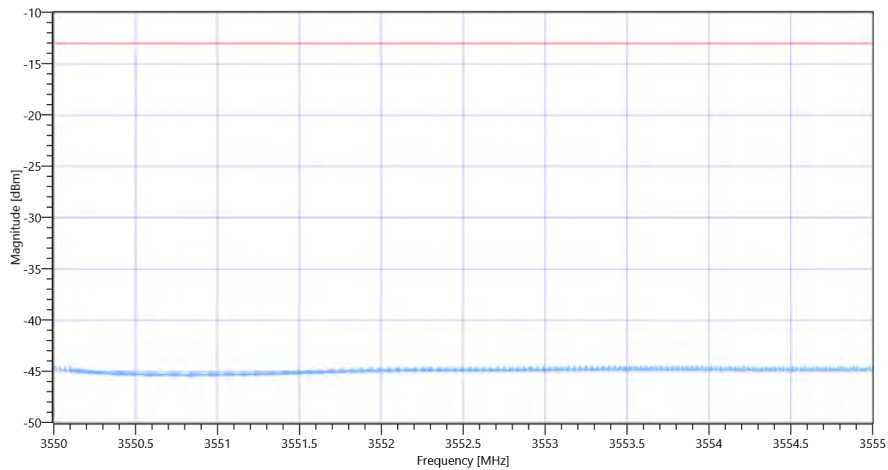
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.43 0 30
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	-45.47	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-45.39	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-45.13	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-45.03	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-45.08	dBm	PASS



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

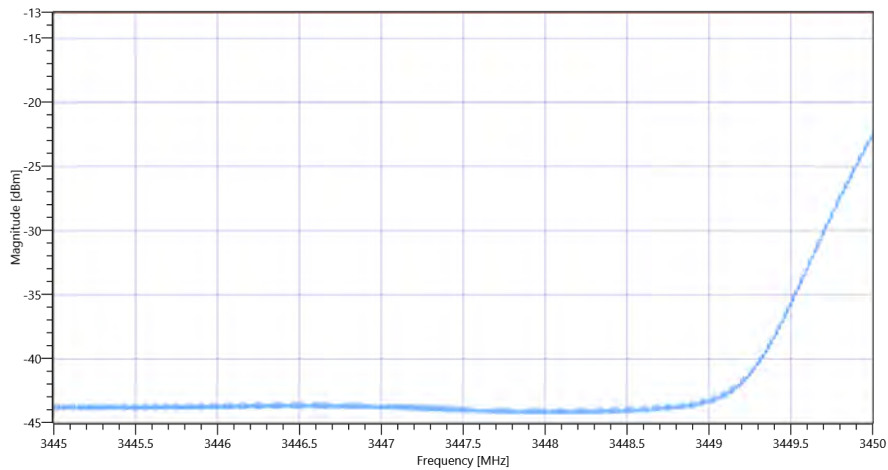
Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 100, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.45 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] 3449.5	--	-13	-30.39	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-44.22	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-44.26	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-43.97	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-44.06	dBm	PASS



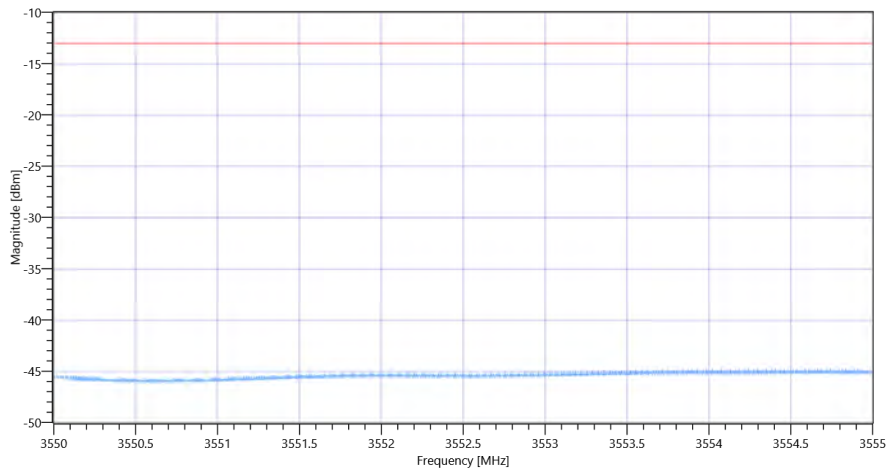
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.45 0 30
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	-46.12	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-45.84	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-45.69	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-45.46	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-45.35	dBm	PASS



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

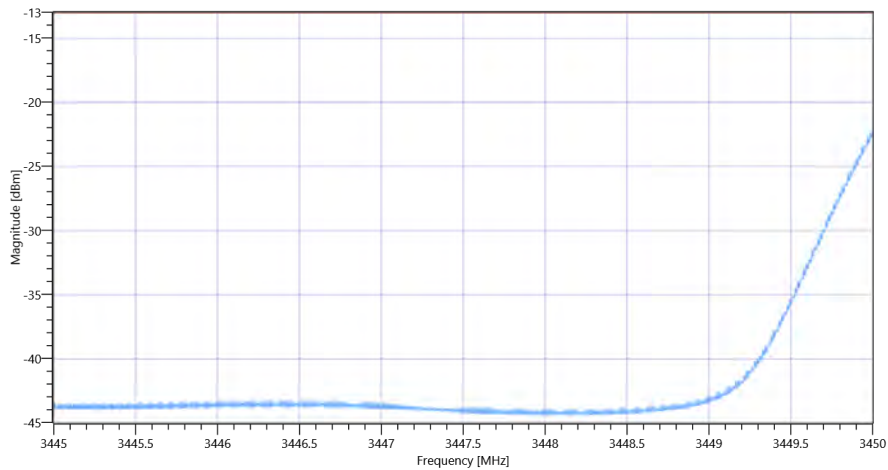
Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 100, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.44 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] 3449.5	--	-13	-30.24	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-44.27	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-44.29	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-43.87	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-43.98	dBm	PASS



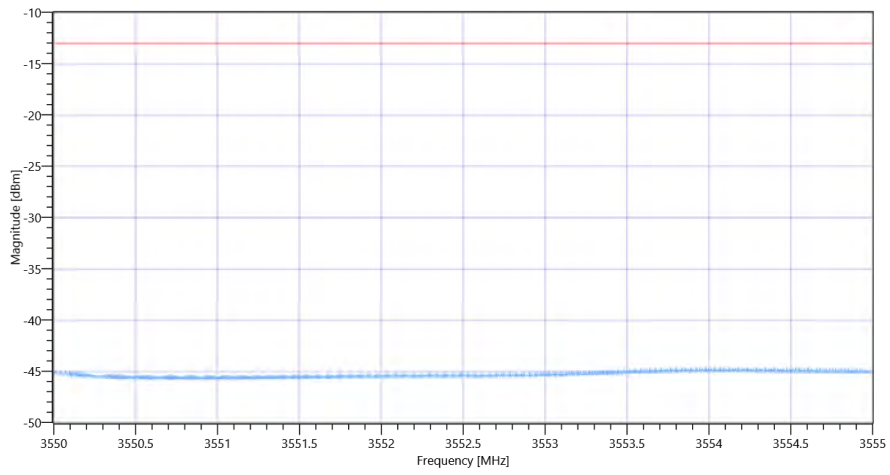
FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.44 0 30
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	-45.79	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-45.82	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-45.7	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-45.35	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-45.21	dBm	PASS



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

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

Test References

TC Start	08.11.2022 14:50:16
Ambit Temp [°C] Humidity [rel%]	26.1 36
System Version	3.3.1.5
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	ANT-1 SISO

Test Parameter

Technology to test	NR
Band	Band_77_A
SCS [kHz]	30
Waveform	DFTOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True
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

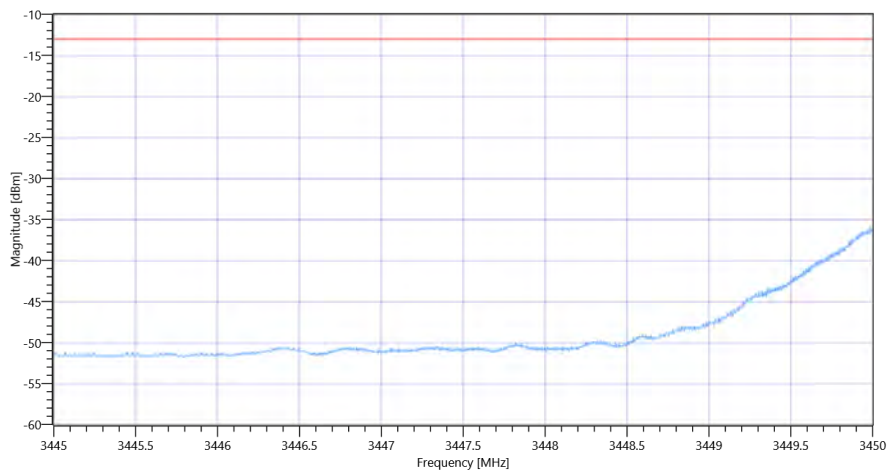
Test freq: low, UL[MHz]/CH 3455.01/630334, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.92 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] 3449.5	--	-13	-31.22	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-39.81	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-41.06	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-41.35	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-41.79	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3455.01/630334, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

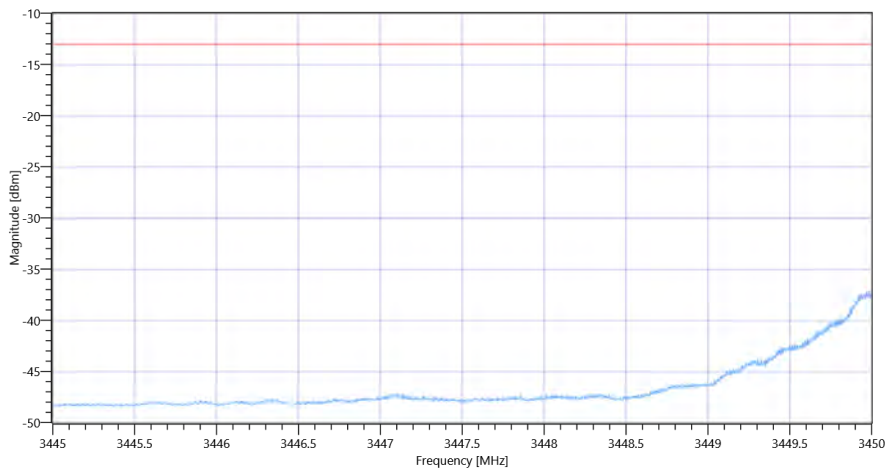
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.18 0 40
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.100000 0.500000

READ SA SETTINGS:

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] 3449.5	--	-13	-31.97	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-37.41	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-37.93	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-38.22	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-38.46	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3455.01/630334, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

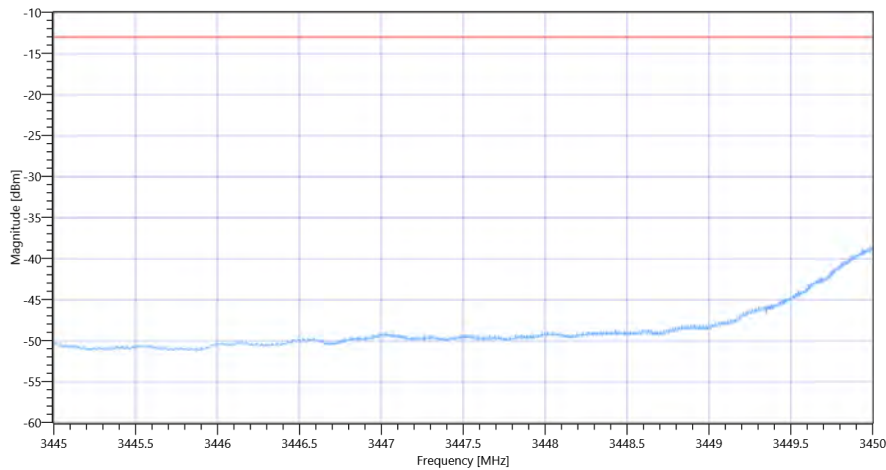
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.27 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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] 3449.5	--	-13	-33.49	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-39.27	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-39.88	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-40.41	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-41.11	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3455.01/630334, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

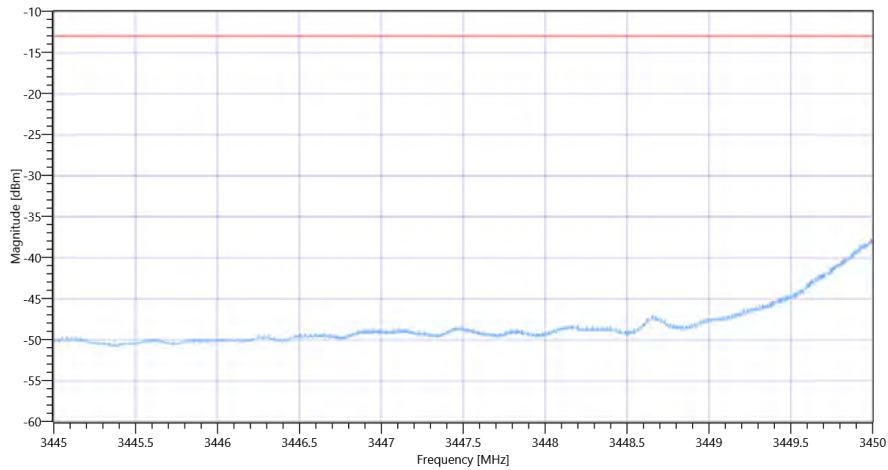
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.40 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.100000 0.500000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3449.5	--	-13	-33.16	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-38.78	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-39.46	dBm	PASS

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3446.5	--	-13	-39.94	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-40.54	dBm	PASS



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

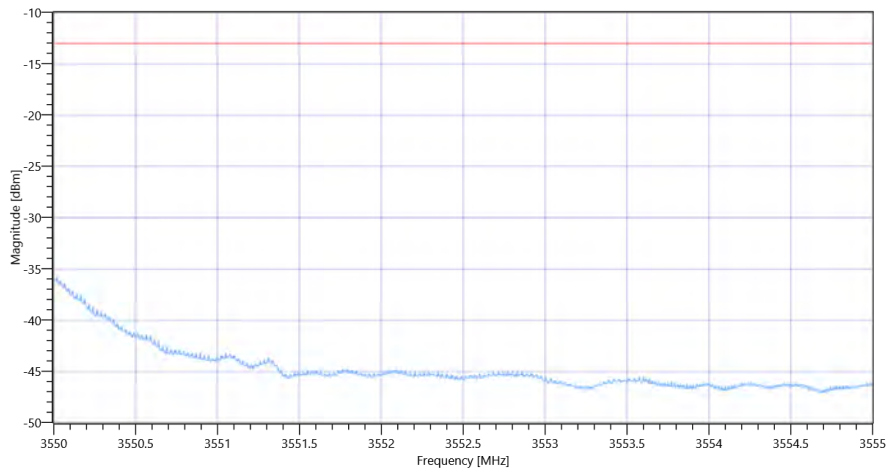
Test freq: high, UL[MHz]/CH 3544.98/636332, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.18 0 40
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	-30.56	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-35.04	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-35.65	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-36.49	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-36.78	dBm	PASS



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

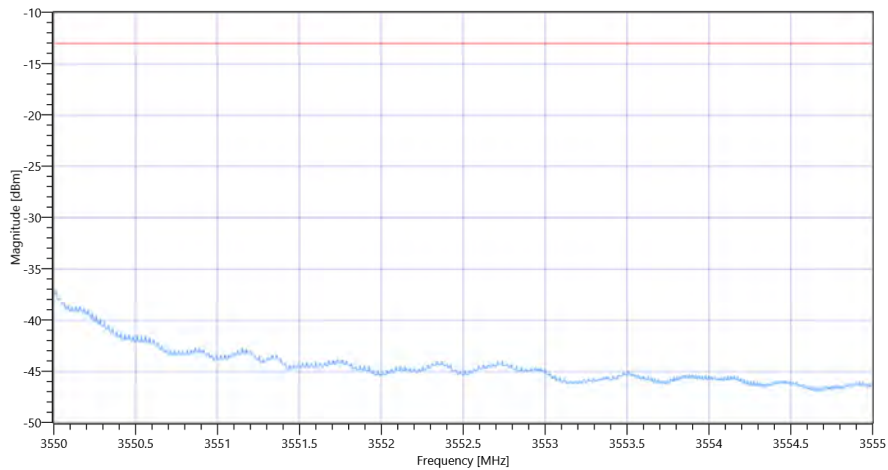
Test freq: high, UL[MHz]/CH 3544.98/636332, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.27 0 40
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	-31.31	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-34.38	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-35.02	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-35.99	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-36.5	dBm	PASS



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

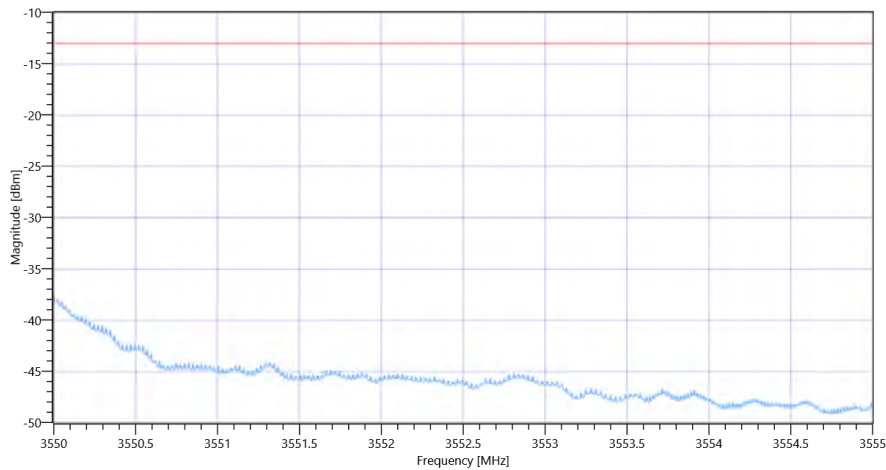
Test freq: high, UL[MHz]/CH 3544.98/636332, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.47 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	-32.22	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-35.55	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-36.2	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-37.55	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-38.66	dBm	PASS



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

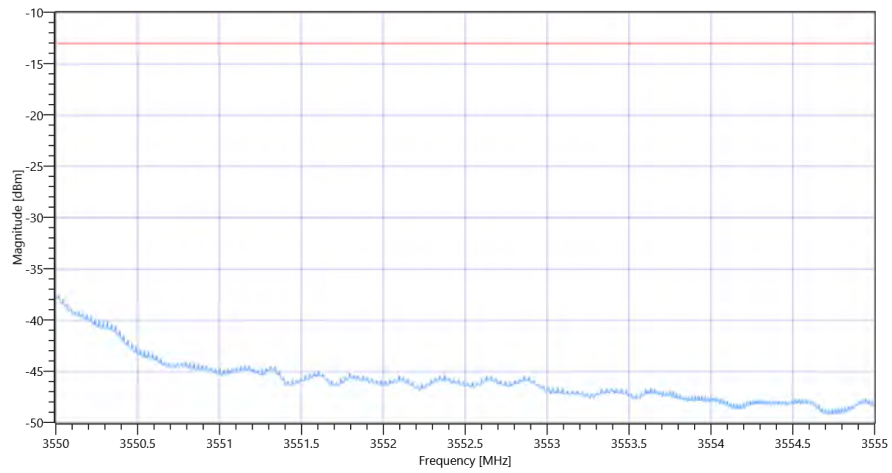
Test freq: high, UL[MHz]/CH 3544.98/636332, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.77 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	-31.99	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-35.77	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-36.39	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-37.51	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-38.51	dBm	PASS



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

Test at BW [MHz]: 20

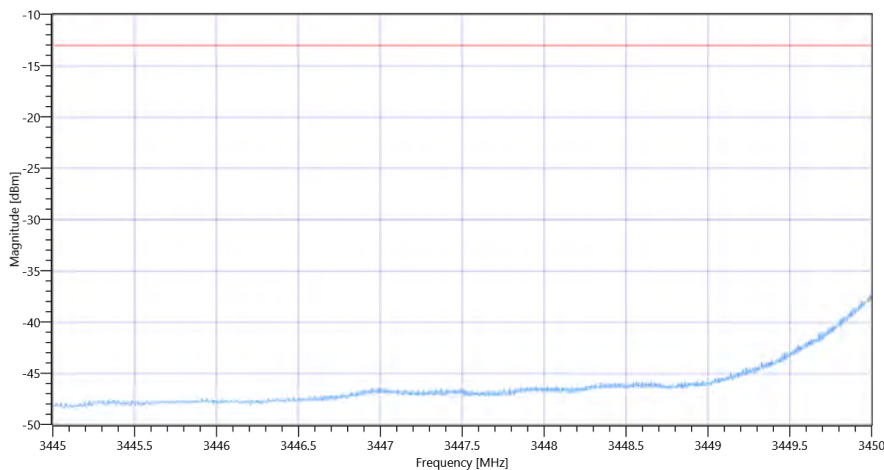
Test freq: low, UL[MHz]/CH 3460.02/630668, CBW [MHz]: 20, RB_100PCT, Mod: QPSK

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]	0.200000 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] 3449.5	--	-13	-35.24	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-39.59	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-40.11	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-40.72	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-41.15	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3460.02/630668, CBW [MHz]: 20, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

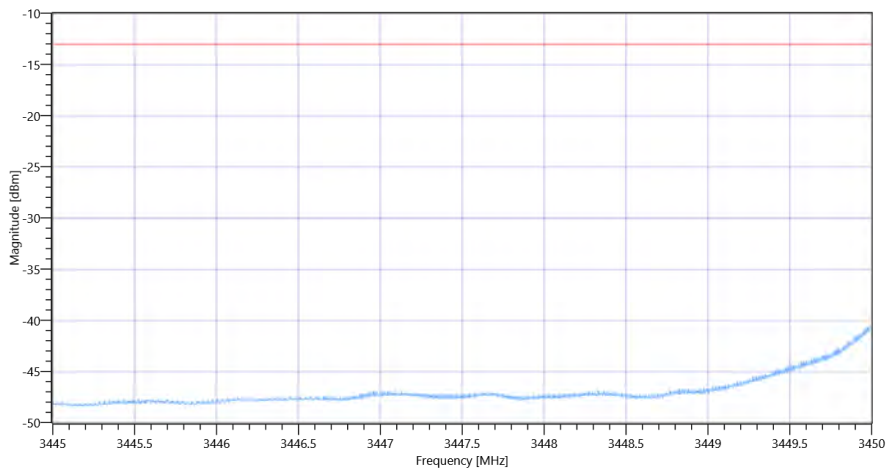
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.78 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.200000 1.000000

READ SA SETTINGS:

Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3449.5	---	-13	-37.45	dBm	PASS
Frequency [MHz] 3448.5	---	-13	-40.52	dBm	PASS
Frequency [MHz] 3447.5	---	-13	-40.64	dBm	PASS
Frequency [MHz] 3446.5	---	-13	-40.92	dBm	PASS
Frequency [MHz] 3445.5	---	-13	-41.33	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3460.02/630668, CBW [MHz]: 20, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

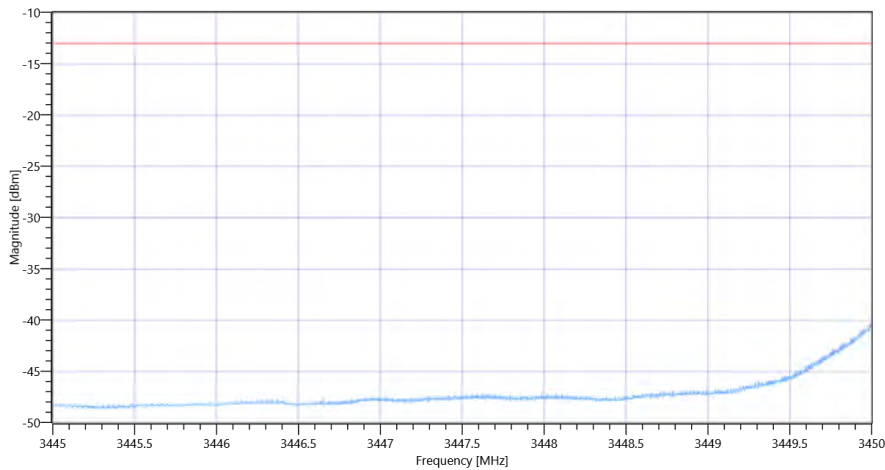
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.73 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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] 3449.5	--	-13	-37.73	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-40.73	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-40.92	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-41.31	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-41.62	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3460.02/630668, CBW [MHz]: 20, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

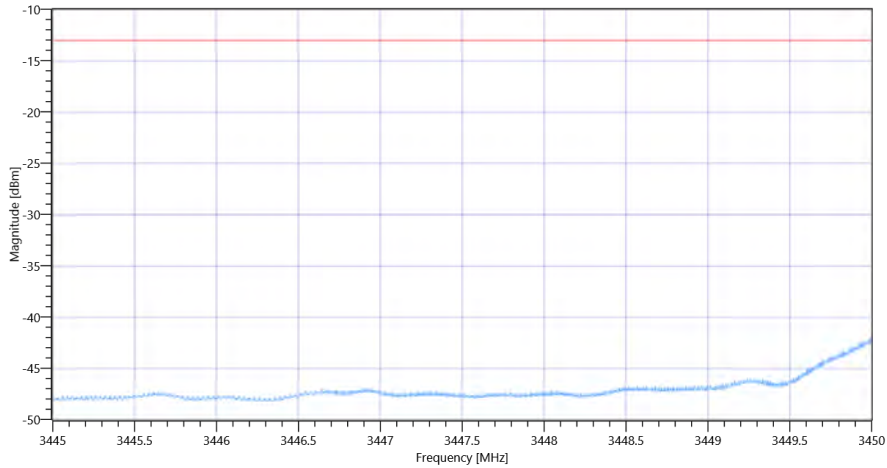
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.10 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.200000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3449.5	--	-13	-38.43	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-40.51	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-40.88	dBm	PASS

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3446.5	--	-13	-40.9	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-41.1	dBm	PASS



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

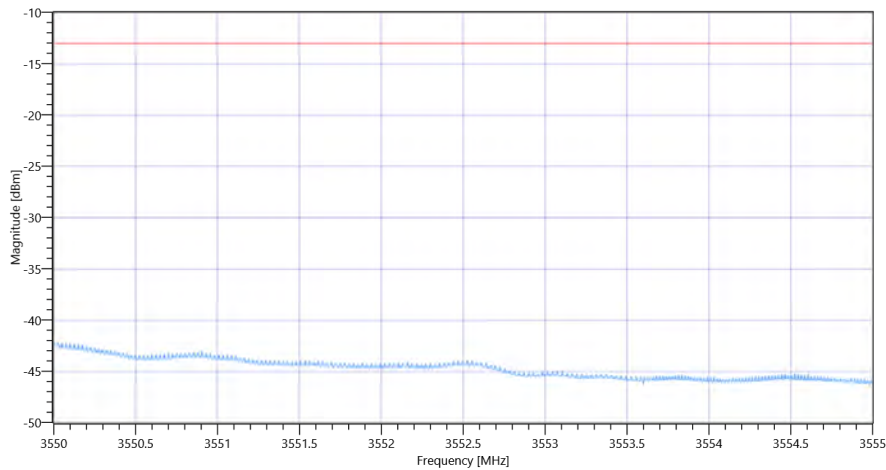
Test freq: high, UL[MHz]/CH 3540/636000, CBW [MHz]: 20, RB_100PCT, Mod: QPSK

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]	0.200000 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	-36.55	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-37.52	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-37.94	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-38.9	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-39.1	dBm	PASS



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

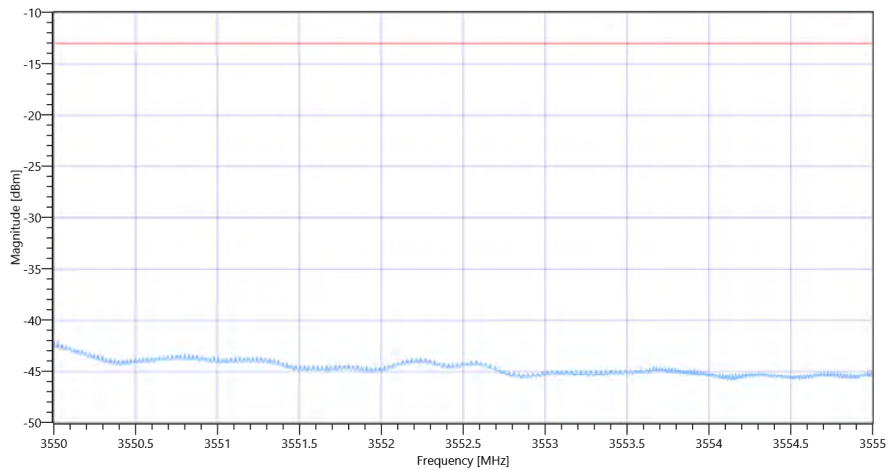
Test freq: high, UL[MHz]/CH 3540/636000, CBW [MHz]: 20, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.76 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	-36.92	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-37.69	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-37.89	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-38.39	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-38.72	dBm	PASS



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

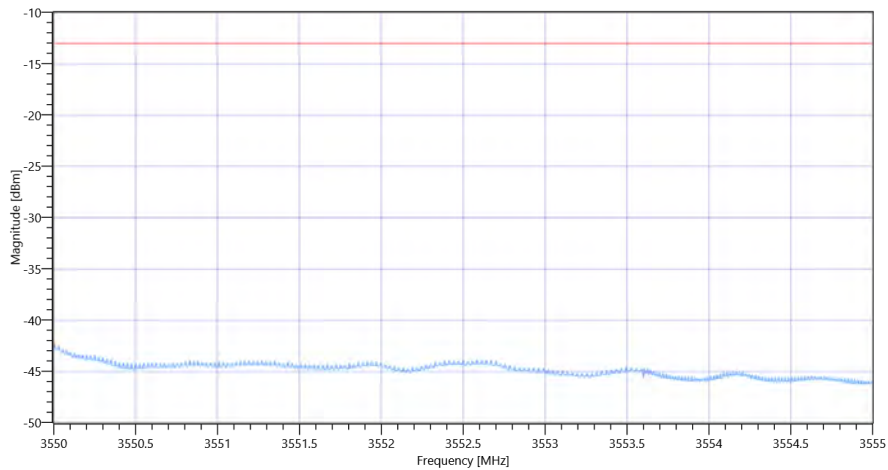
Test freq: high, UL[MHz]/CH 3540/636000, CBW [MHz]: 20, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.00 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	-37.38	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-37.73	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-37.84	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-38.61	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-39.02	dBm	PASS



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

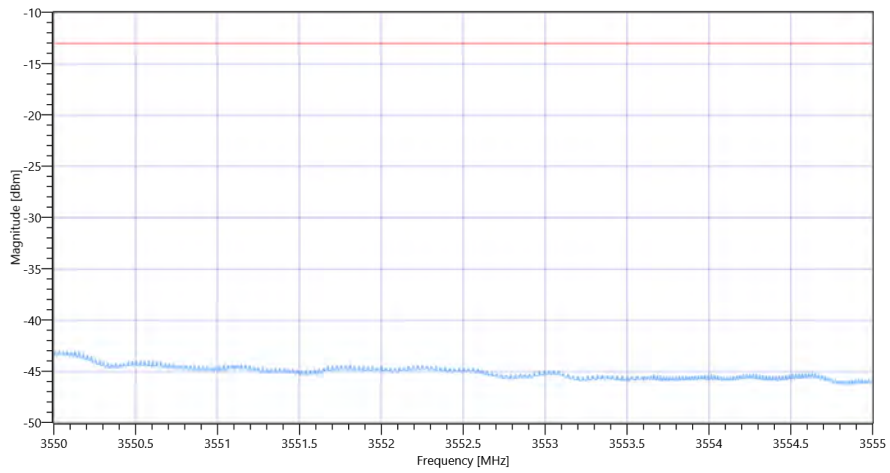
Test freq: high, UL[MHz]/CH 3540/636000, CBW [MHz]: 20, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.00 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	-37.5	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-38.13	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-38.35	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-38.91	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-39.02	dBm	PASS



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

Test at BW [MHz]: 30

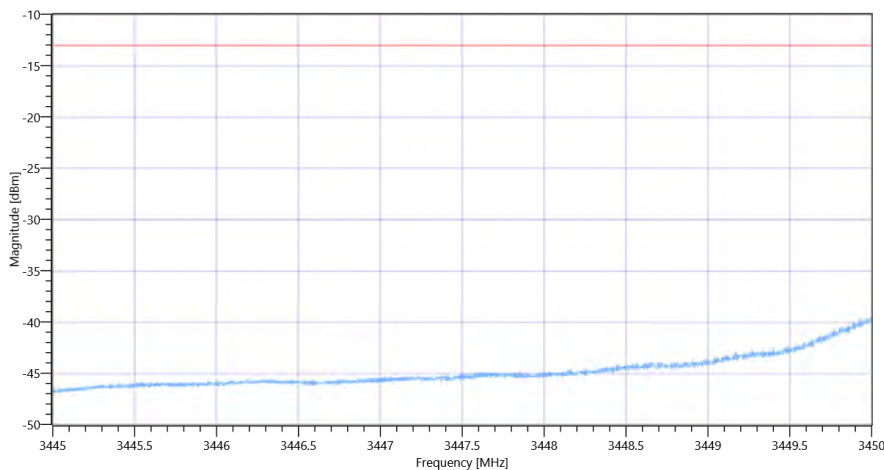
Test freq: low, UL[MHz]/CH 3465/631000, CBW [MHz]: 30, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.34 0 35
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] 3449.5	--	-13	-37.16	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-39.57	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-40.4	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-40.89	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-41.29	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3465/631000, CBW [MHz]: 30, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

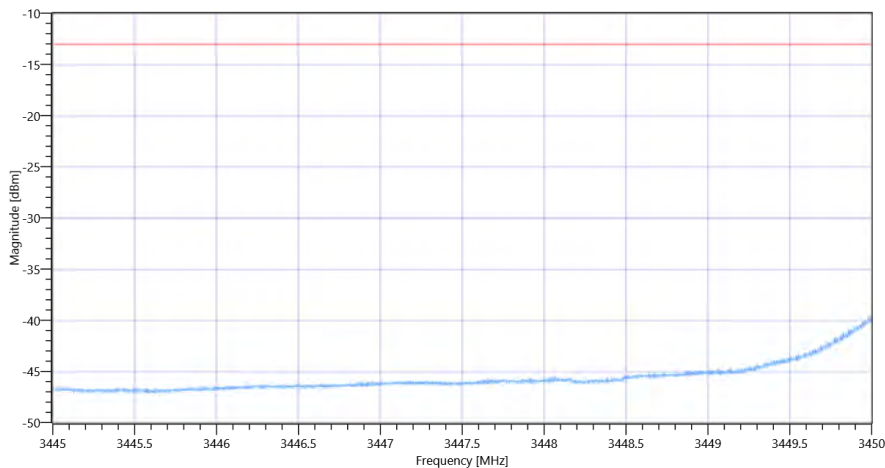
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.63 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.300000 1.000000

READ SA SETTINGS:

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] 3449.5	---	-13	-38.15	dBm	PASS
Frequency [MHz] 3448.5	---	-13	-40.64	dBm	PASS
Frequency [MHz] 3447.5	---	-13	-41.11	dBm	PASS
Frequency [MHz] 3446.5	---	-13	-41.48	dBm	PASS
Frequency [MHz] 3445.5	---	-13	-41.85	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3465/631000, CBW [MHz]: 30, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

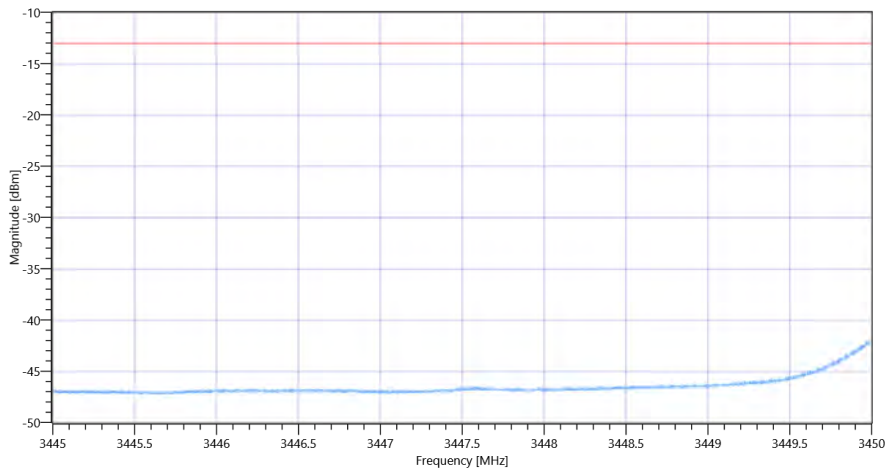
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.29 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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] 3449.5	--	-13	-40	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-41.65	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-41.89	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-41.93	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-42.05	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3465/631000, CBW [MHz]: 30, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

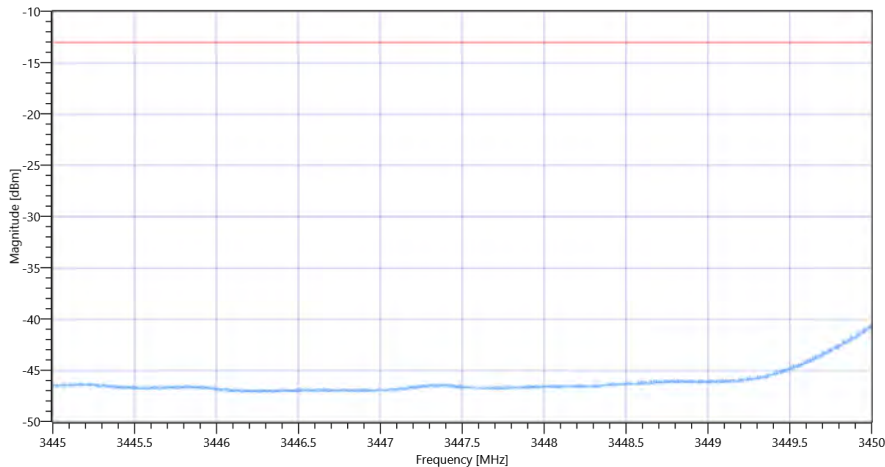
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.52 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3449.5	--	-13	-39.05	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-41.37	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-41.71	dBm	PASS

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3446.5	--	-13	-41.98	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-41.64	dBm	PASS



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

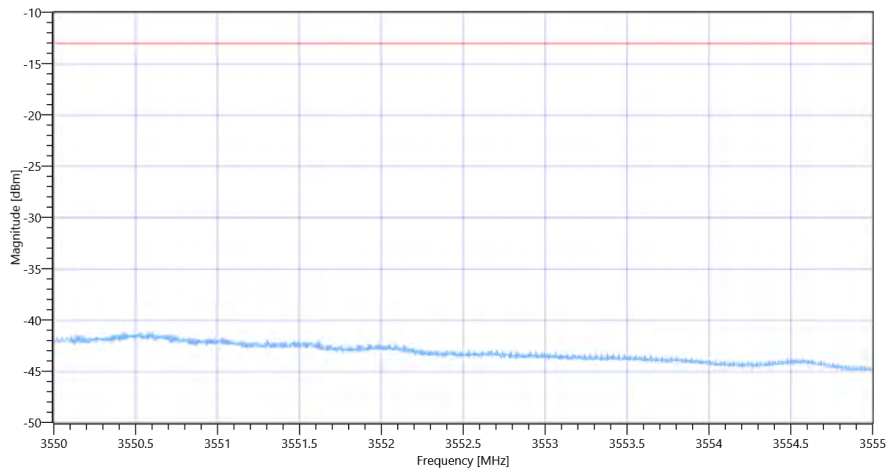
Test freq: high, UL[MHz]/CH 3534.99/635666, CBW [MHz]: 30, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.56 0 35
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	-36.89	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-37.55	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-38.28	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-38.82	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-39.4	dBm	PASS



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

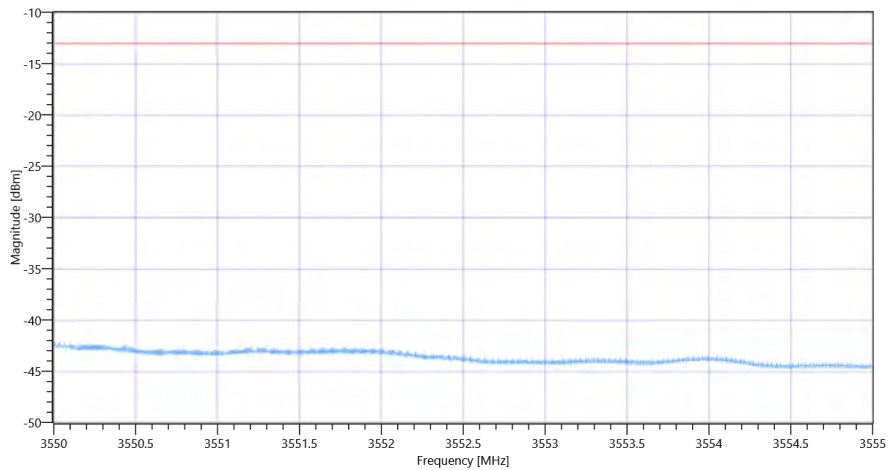
Test freq: high, UL[MHz]/CH 3534.99/635666, CBW [MHz]: 30, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.74 0 35
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	-37.96	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-38.11	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-38.79	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-39.07	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-39.37	dBm	PASS



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

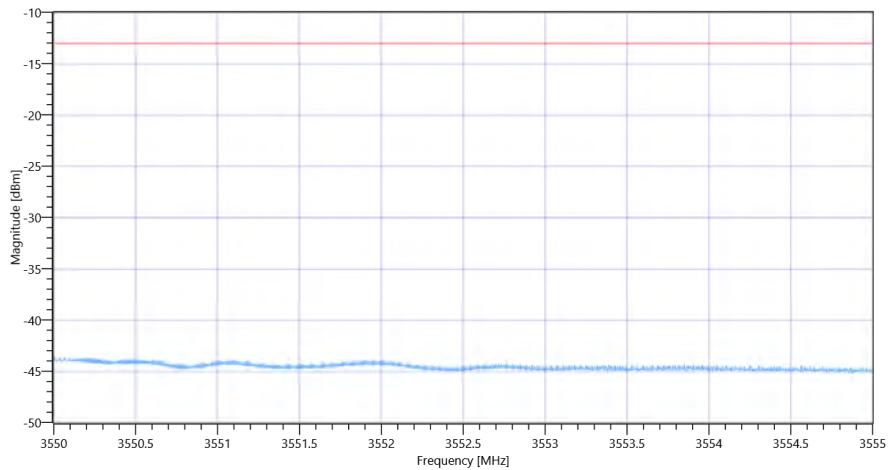
Test freq: high, UL[MHz]/CH 3534.99/635666, CBW [MHz]: 30, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.65 0 35
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	-39.21	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-39.42	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-39.65	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-39.76	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-39.87	dBm	PASS



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

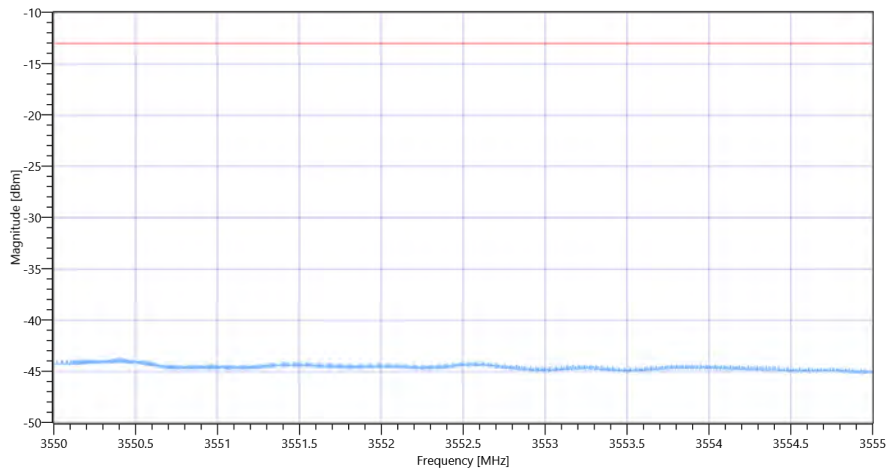
Test freq: high, UL[MHz]/CH 3534.99/635666, CBW [MHz]: 30, RB_100PCT, Mod: 256QAM

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]	0.300000 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	-39.33	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-39.54	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-39.59	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-39.77	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 at BW [MHz]: 40

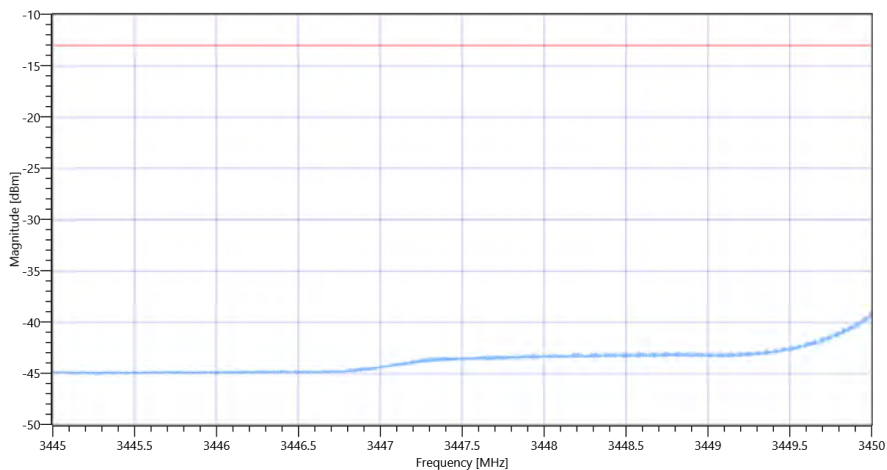
Test freq: low, UL[MHz]/CH 3470.01/631334, CBW [MHz]: 40, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.94 0 35
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] 3449.5	--	-13	-39.28	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-40.51	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-40.92	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-42.06	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-42.18	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3470.01/631334, CBW [MHz]: 40, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

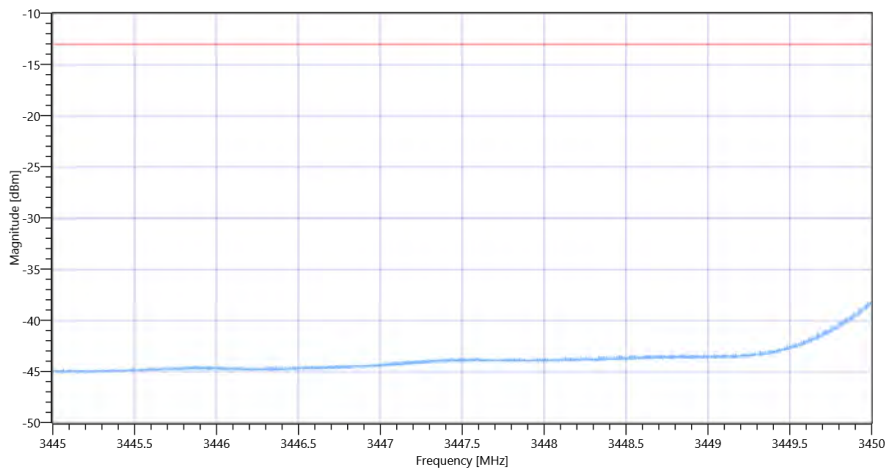
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.32 0 35
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000

READ SA SETTINGS:

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] 3449.5	---	-13	-38.99	dBm	PASS
Frequency [MHz] 3448.5	---	-13	-40.95	dBm	PASS
Frequency [MHz] 3447.5	---	-13	-41.25	dBm	PASS
Frequency [MHz] 3446.5	---	-13	-41.89	dBm	PASS
Frequency [MHz] 3445.5	---	-13	-42.09	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3470.01/631334, CBW [MHz]: 40, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

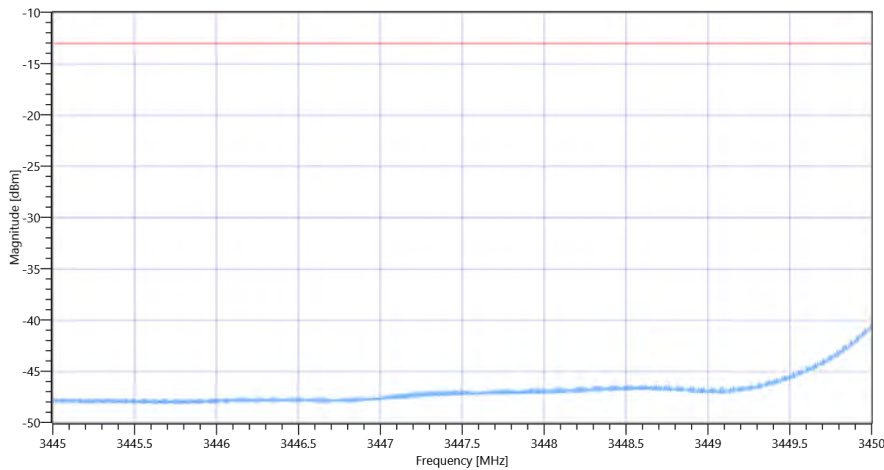
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.22 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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] 3449.5	--	-13	-41.83	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-44.02	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-44.43	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-45.04	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-45.16	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3470.01/631334, CBW [MHz]: 40, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

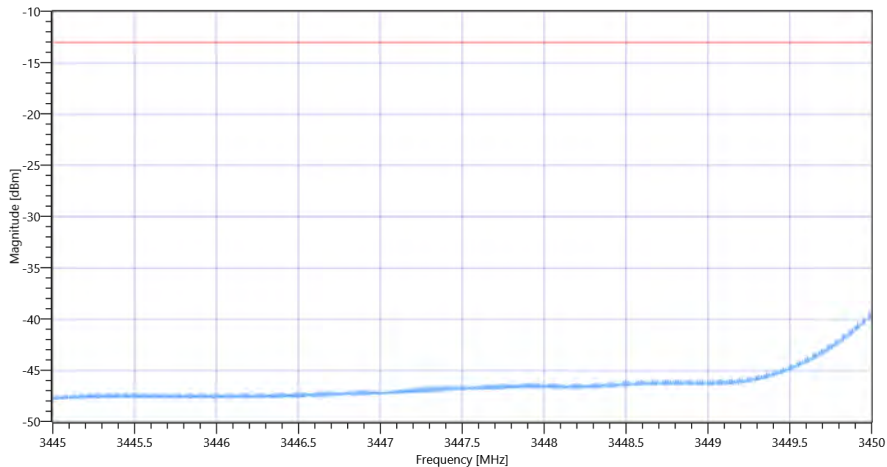
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.53 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3449.5	--	-13	-40.92	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-43.65	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-44.04	dBm	PASS

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3446.5	--	-13	-44.64	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-44.79	dBm	PASS



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

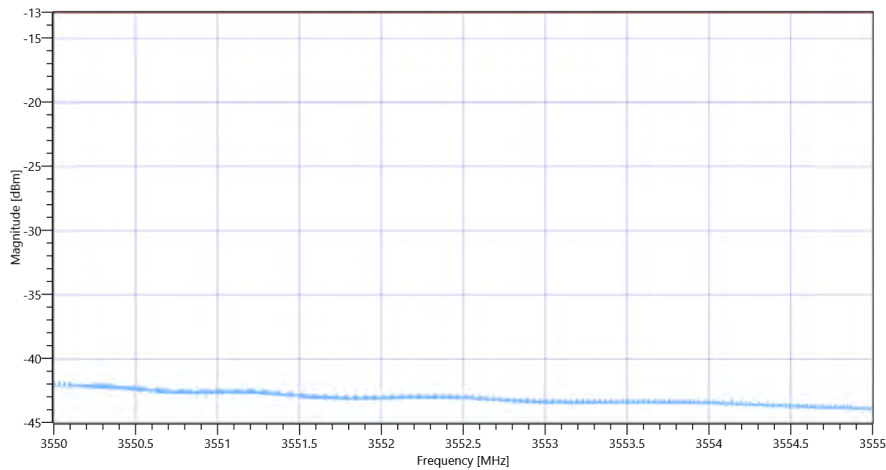
Test freq: high, UL[MHz]/CH 3529.98/635332, CBW [MHz]: 40, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.35 0 35
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	-39.62	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-40.12	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-40.37	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-40.66	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-40.95	dBm	PASS



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

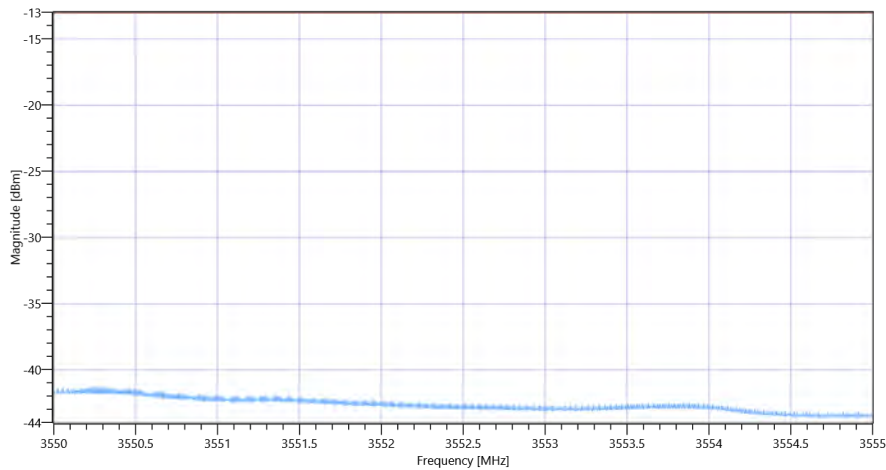
Test freq: high, UL[MHz]/CH 3529.98/635332, CBW [MHz]: 40, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.59 0 35
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	-39.09	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-39.62	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-40.07	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-40.11	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-40.57	dBm	PASS



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

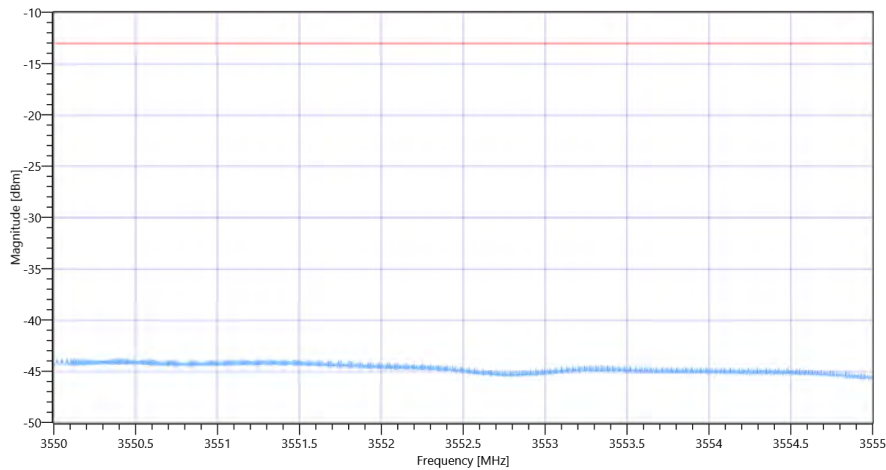
Test freq: high, UL[MHz]/CH 3529.98/635332, CBW [MHz]: 40, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.58 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	-41.45	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-41.54	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-42.19	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-42.19	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-42.45	dBm	PASS



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

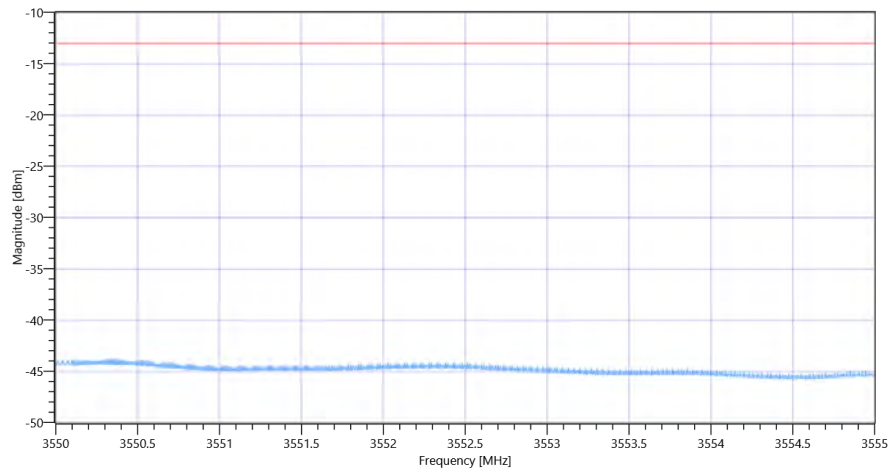
Test freq: high, UL[MHz]/CH 3529.98/635332, CBW [MHz]: 40, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.80 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	-41.6	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-41.99	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-41.89	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-42.37	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-42.7	dBm	PASS



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

Test at BW [MHz]: 50

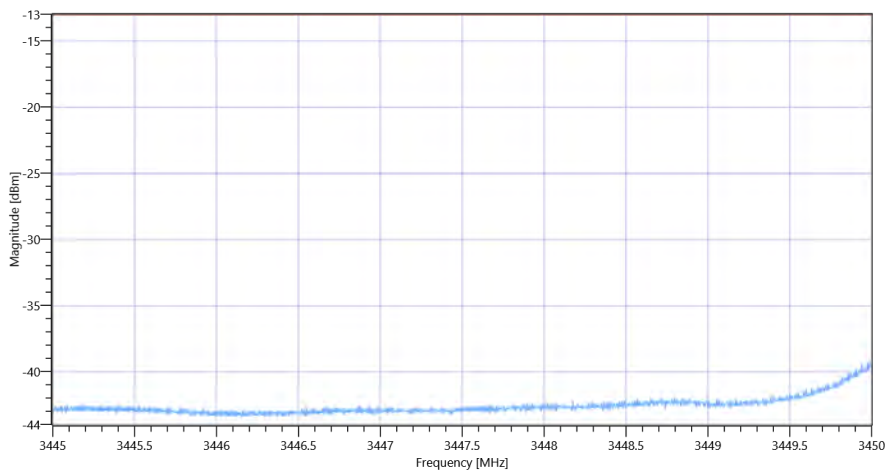
Test freq: low, UL[MHz]/CH 3475.02/631668, CBW [MHz]: 50, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.69 0 35
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] 3449.5	--	-13	-38.82	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-39.74	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-40.11	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-40.32	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-40.16	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3475.02/631668, CBW [MHz]: 50, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

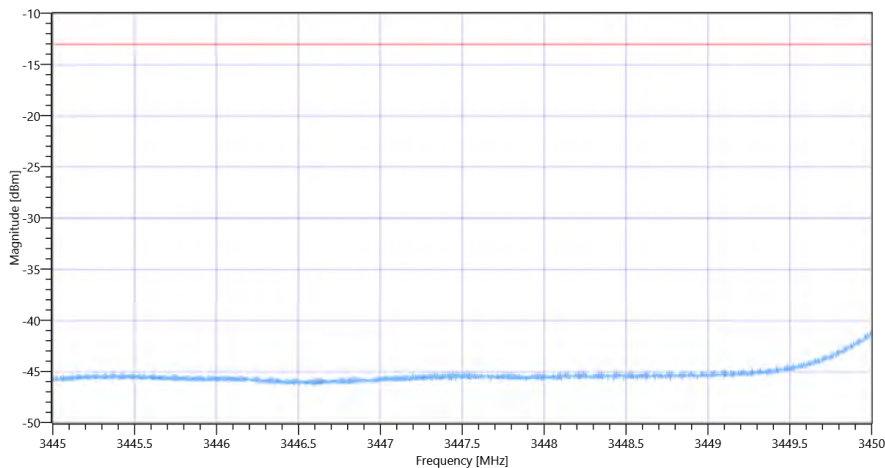
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.25 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000

READ SA SETTINGS:

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] 3449.5	---	-13	-41.31	dBm	PASS
Frequency [MHz] 3448.5	---	-13	-42.69	dBm	PASS
Frequency [MHz] 3447.5	---	-13	-42.81	dBm	PASS
Frequency [MHz] 3446.5	---	-13	-43.15	dBm	PASS
Frequency [MHz] 3445.5	---	-13	-42.86	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3475.02/631668, CBW [MHz]: 50, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

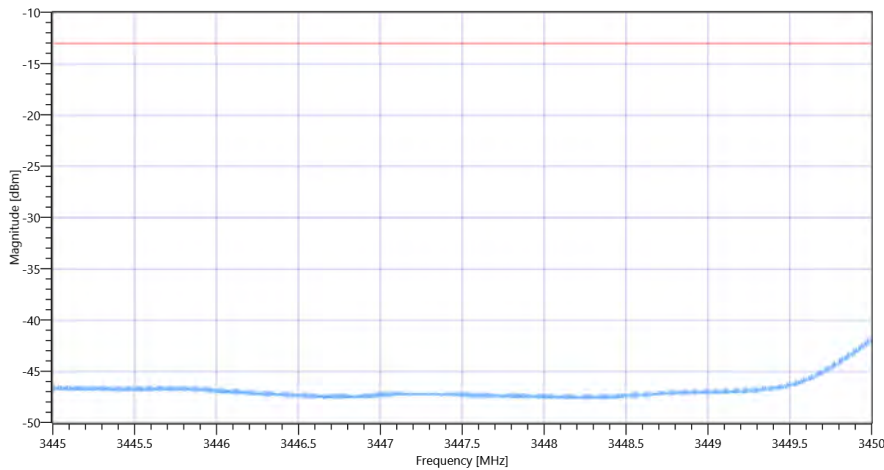
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.16 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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] 3449.5	--	-13	-42.59	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-44.56	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-44.55	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-44.51	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-43.97	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3475.02/631668, CBW [MHz]: 50, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

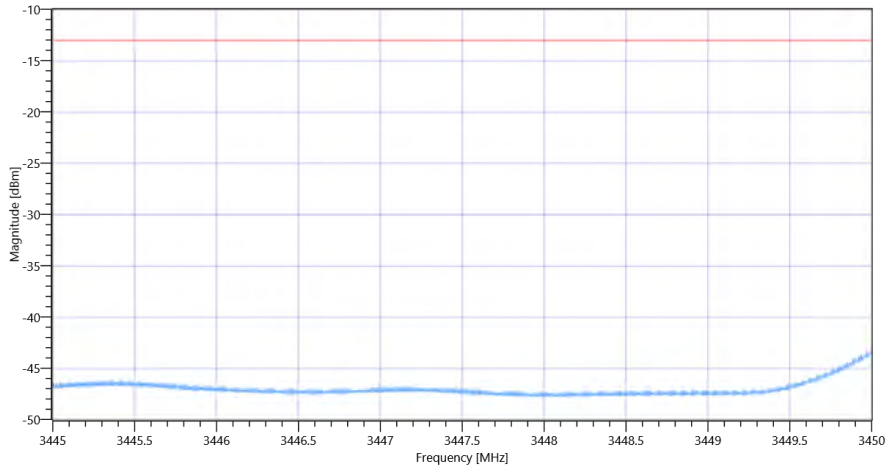
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.78 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3449.5	--	-13	-43.4	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-44.74	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-44.55	dBm	PASS

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3446.5	--	-13	-44.47	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-43.94	dBm	PASS



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

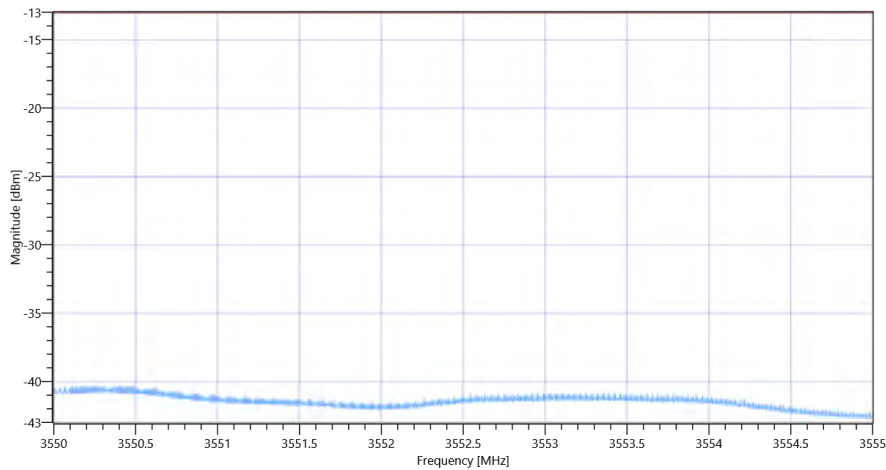
Test freq: high, UL[MHz]/CH 3525/635000, CBW [MHz]: 50, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.79 0 35
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	-38.08	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-38.85	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-38.72	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-38.51	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-39.31	dBm	PASS



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

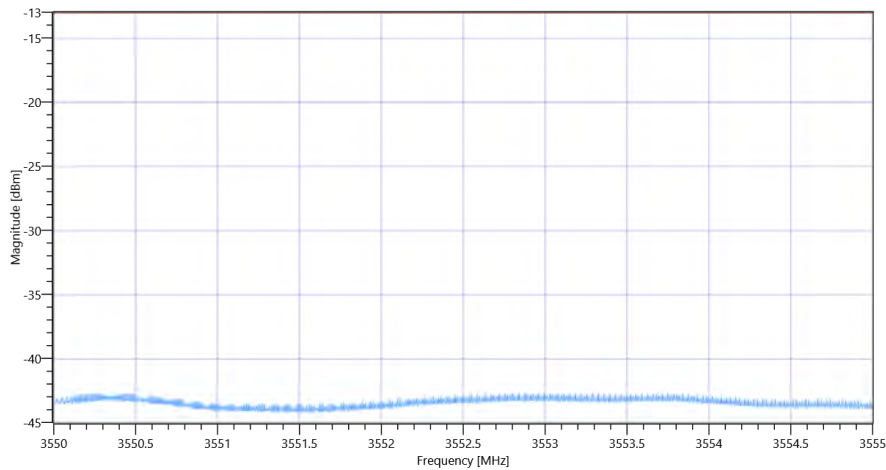
Test freq: high, UL[MHz]/CH 3525/635000, CBW [MHz]: 50, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.08 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	-40.57	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-41.14	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-40.54	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-40.41	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-40.81	dBm	PASS



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

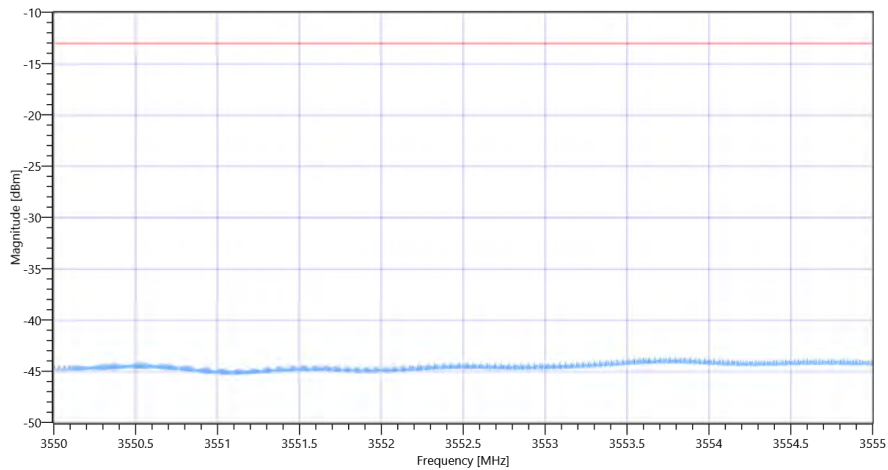
Test freq: high, UL[MHz]/CH 3525/635000, CBW [MHz]: 50, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.21 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	-41.93	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-42.17	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-41.91	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-41.49	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-41.46	dBm	PASS



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

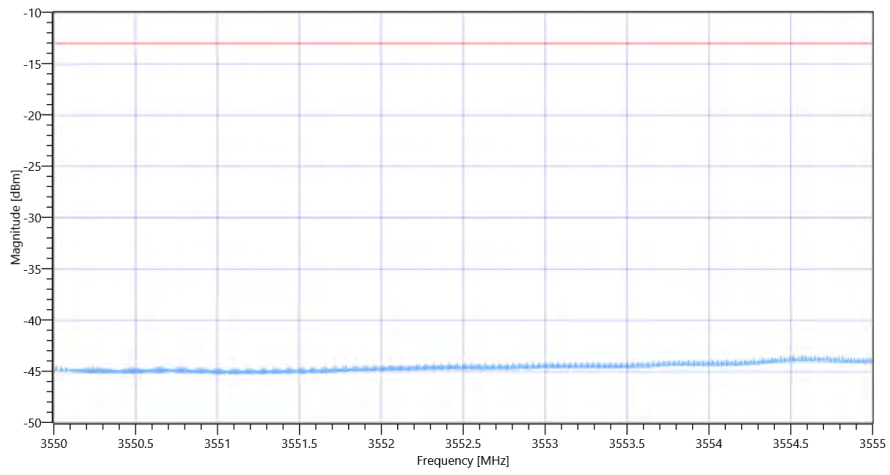
Test freq: high, UL[MHz]/CH 3525/635000, CBW [MHz]: 50, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.96 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	-42.22	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-42.21	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-41.89	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-41.68	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-41.29	dBm	PASS



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

Test at BW [MHz]: 60

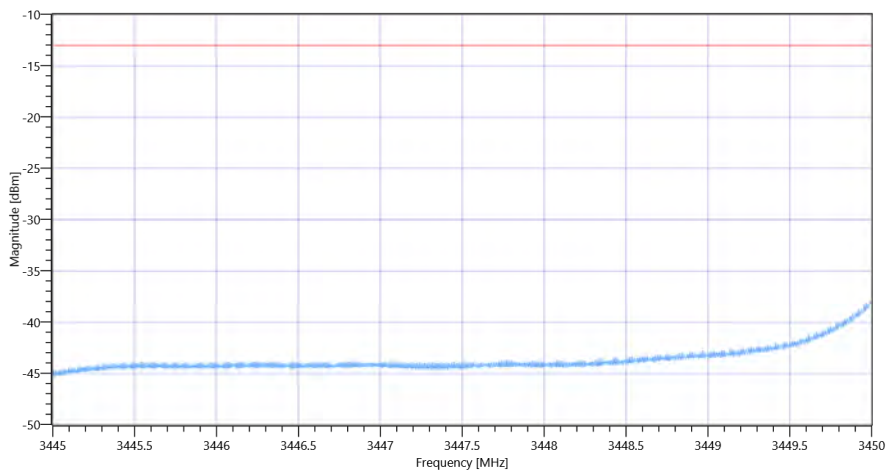
Test freq: low, UL[MHz]/CH 3480/632000, CBW [MHz]: 60, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.65 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] 3449.5	---	-13	-38.72	dBm	PASS
Frequency [MHz] 3448.5	---	-13	-41.02	dBm	PASS
Frequency [MHz] 3447.5	---	-13	-41.49	dBm	PASS
Frequency [MHz] 3446.5	---	-13	-41.49	dBm	PASS
Frequency [MHz] 3445.5	---	-13	-41.69	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3480/632000, CBW [MHz]: 60, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

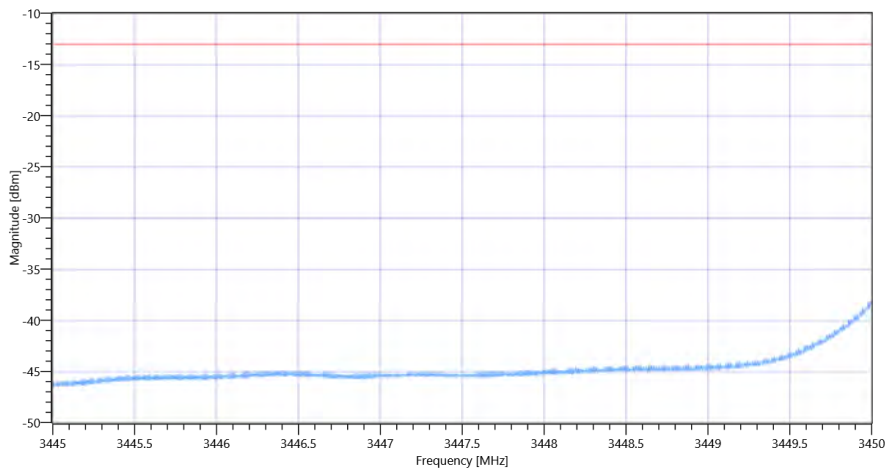
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.00 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000

READ SA SETTINGS:

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] 3449.5	---	-13	-39.63	dBm	PASS
Frequency [MHz] 3448.5	---	-13	-42.08	dBm	PASS
Frequency [MHz] 3447.5	---	-13	-42.56	dBm	PASS
Frequency [MHz] 3446.5	---	-13	-42.63	dBm	PASS
Frequency [MHz] 3445.5	---	-13	-43.02	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3480/632000, CBW [MHz]: 60, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

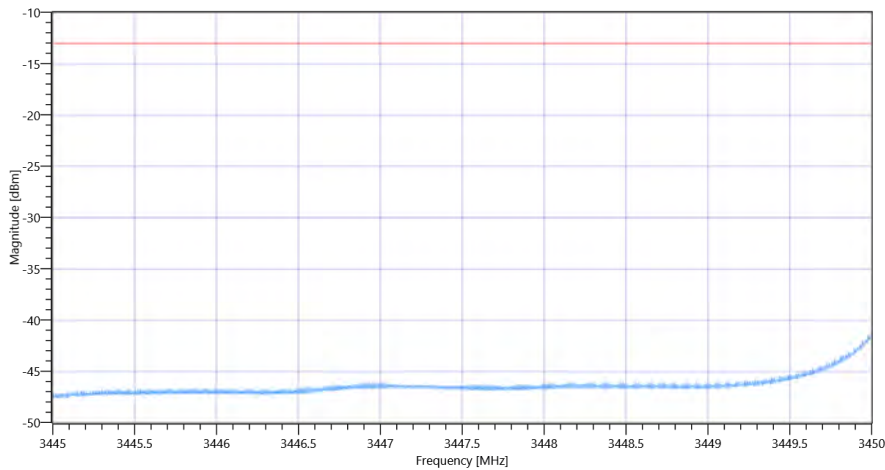
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.89 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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] 3449.5	--	-13	-42.2	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-43.72	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-43.81	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-44.08	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-44.35	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3480/632000, CBW [MHz]: 60, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

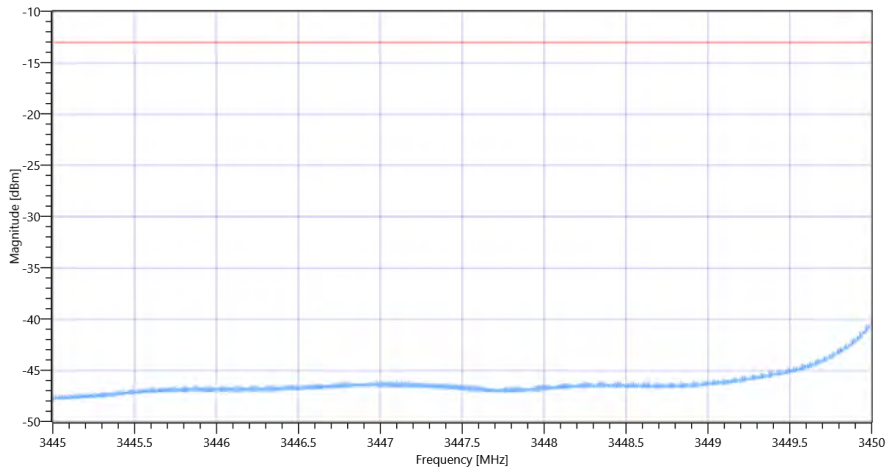
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.85 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3449.5	--	-13	-41.53	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-43.76	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-43.94	dBm	PASS

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3446.5	--	-13	-43.92	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-44.42	dBm	PASS



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

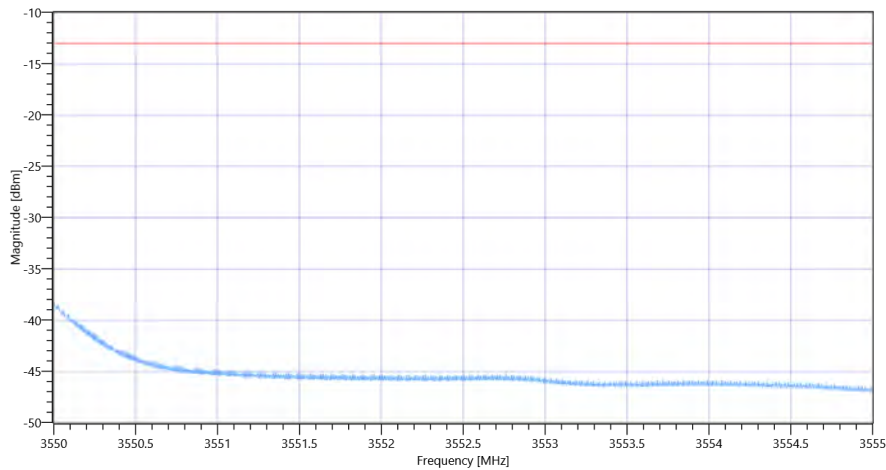
Test freq: high, UL[MHz]/CH 3519.99/634666, CBW [MHz]: 60, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.88 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	-39.89	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-42.76	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-42.97	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-43.49	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-43.71	dBm	PASS



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

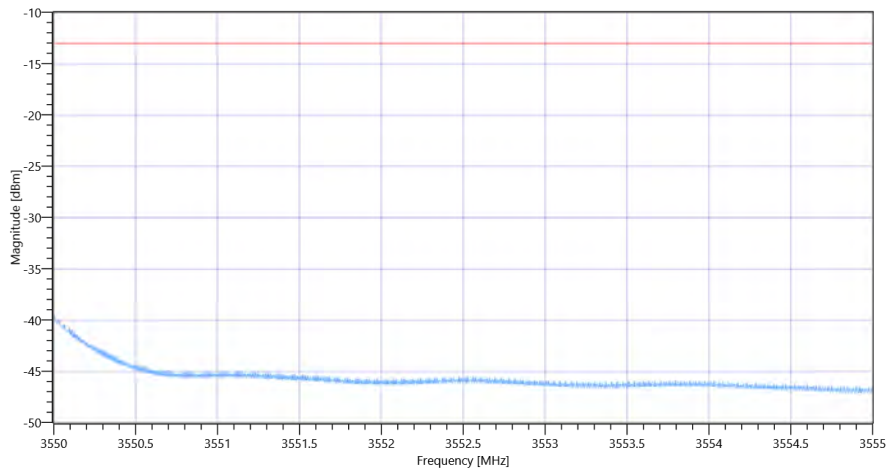
Test freq: high, UL[MHz]/CH 3519.99/634666, CBW [MHz]: 60, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.23 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	-40.85	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-42.94	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-43.27	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-43.59	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-43.88	dBm	PASS



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

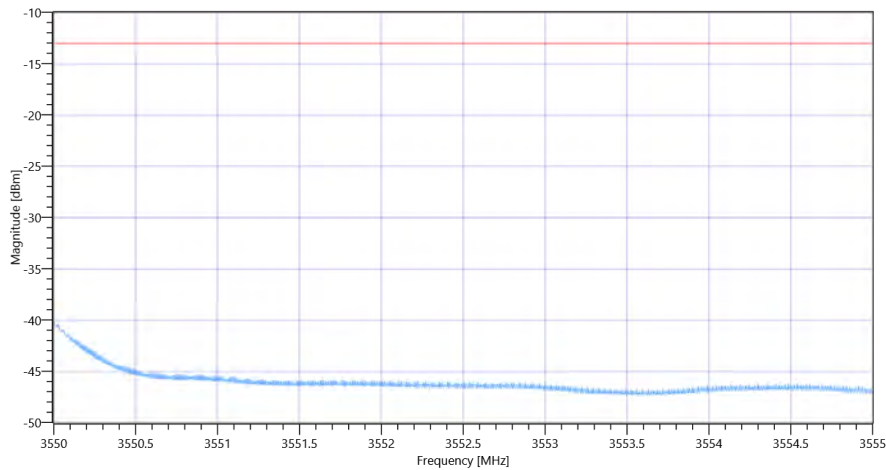
Test freq: high, UL[MHz]/CH 3519.99/634666, CBW [MHz]: 60, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.94 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	-41.32	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-43.39	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-43.66	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-44.2	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-43.95	dBm	PASS



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

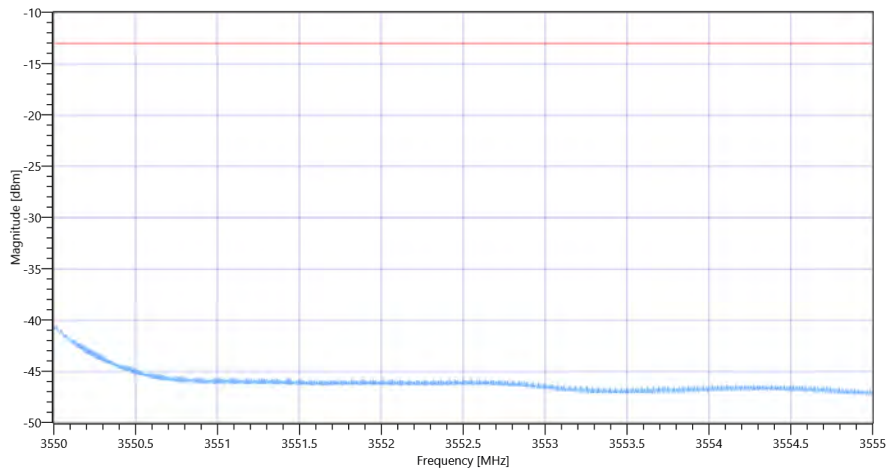
Test freq: high, UL[MHz]/CH 3519.99/634666, CBW [MHz]: 60, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.21 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	-41.41	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-43.34	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-43.45	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-44.08	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-44.03	dBm	PASS



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

Test at BW [MHz]: 70

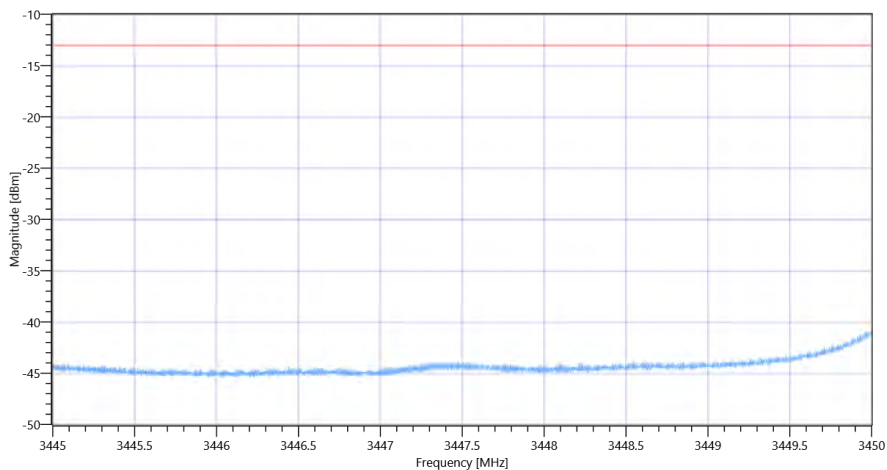
Test freq: low, UL[MHz]/CH 3485.01/632334, CBW [MHz]: 70, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.93 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] 3449.5	--	-13	-40.46	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-41.67	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-41.78	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-42.2	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-42.05	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3485.01/632334, CBW [MHz]: 70, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

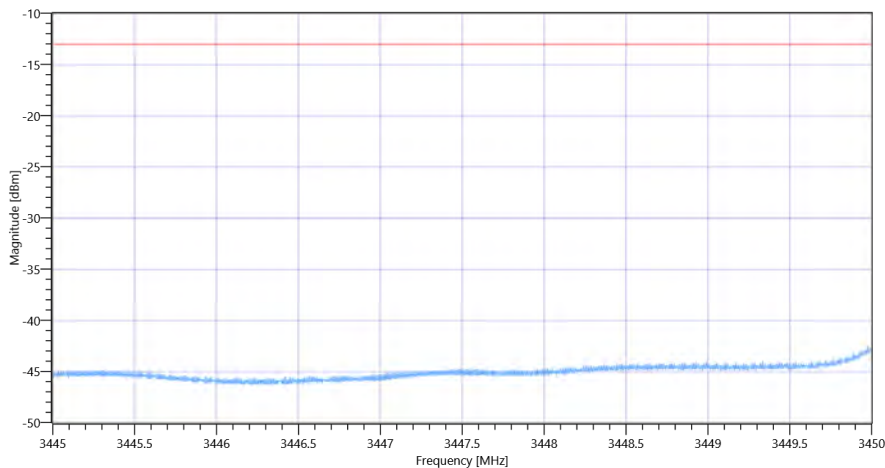
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.69 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000

READ SA SETTINGS:

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] 3449.5	---	-13	-41.52	dBm	PASS
Frequency [MHz] 3448.5	---	-13	-41.94	dBm	PASS
Frequency [MHz] 3447.5	---	-13	-42.47	dBm	PASS
Frequency [MHz] 3446.5	---	-13	-43.13	dBm	PASS
Frequency [MHz] 3445.5	---	-13	-42.7	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3485.01/632334, CBW [MHz]: 70, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

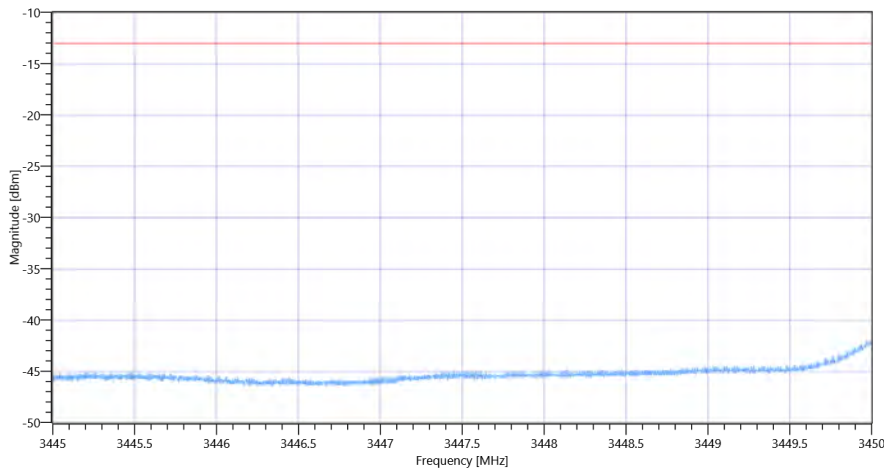
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.80 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

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

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3449.5	--	-13	-41.54	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-42.45	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-42.77	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-43.32	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-42.86	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3485.01/632334, CBW [MHz]: 70, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

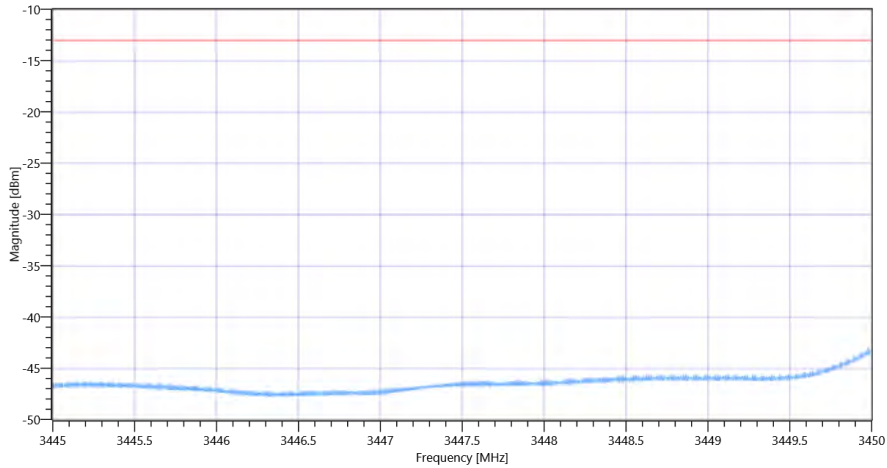
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.03 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3449.5	--	-13	-42.62	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-43.38	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-43.95	dBm	PASS

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3446.5	--	-13	-44.67	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-44.02	dBm	PASS



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

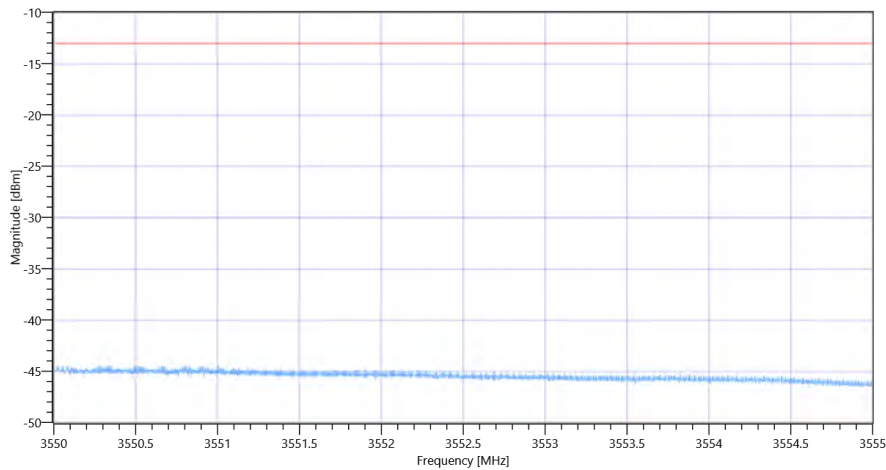
Test freq: high, UL[MHz]/CH 3514.98/634332, CBW [MHz]: 70, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.08 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	-42.2	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-42.47	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-42.72	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-42.97	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-43.24	dBm	PASS



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

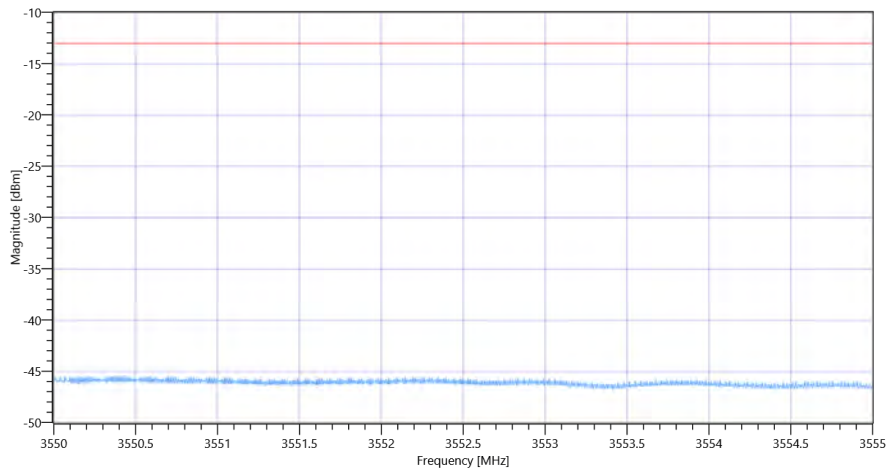
Test freq: high, UL[MHz]/CH 3514.98/634332, CBW [MHz]: 70, RB_100PCT, Mod: 16QAM

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]	0.500000 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	-43.14	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-43.3	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-43.29	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-43.53	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-43.65	dBm	PASS



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

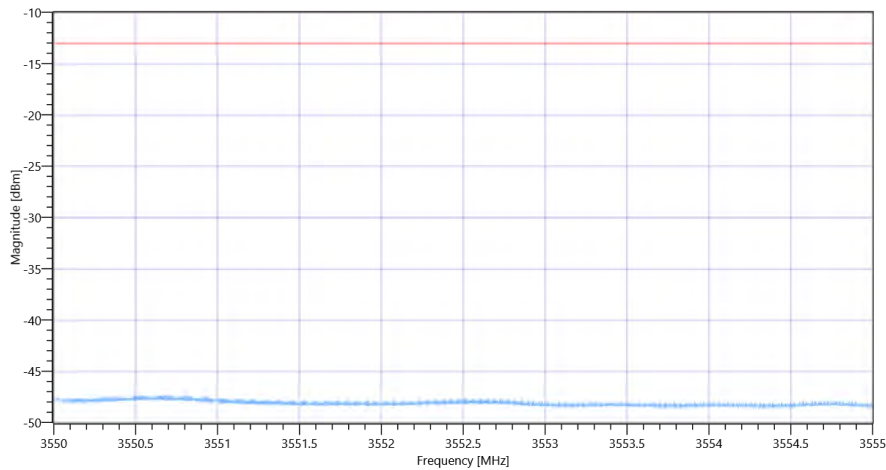
Test freq: high, UL[MHz]/CH 3514.98/634332, CBW [MHz]: 70, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.75 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	-44.98	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-45.34	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-45.33	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-45.54	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-45.53	dBm	PASS



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

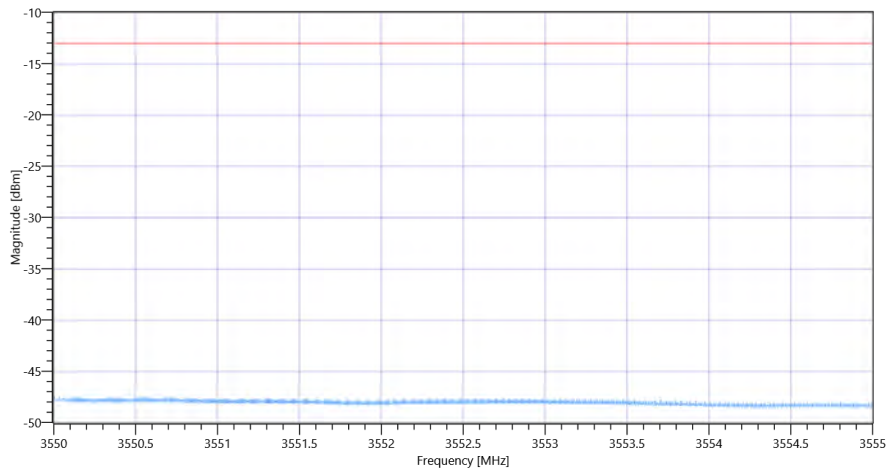
Test freq: high, UL[MHz]/CH 3514.98/634332, CBW [MHz]: 70, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.35 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	-45.07	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-45.24	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-45.22	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-45.34	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-45.57	dBm	PASS



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

Test at BW [MHz]: 80

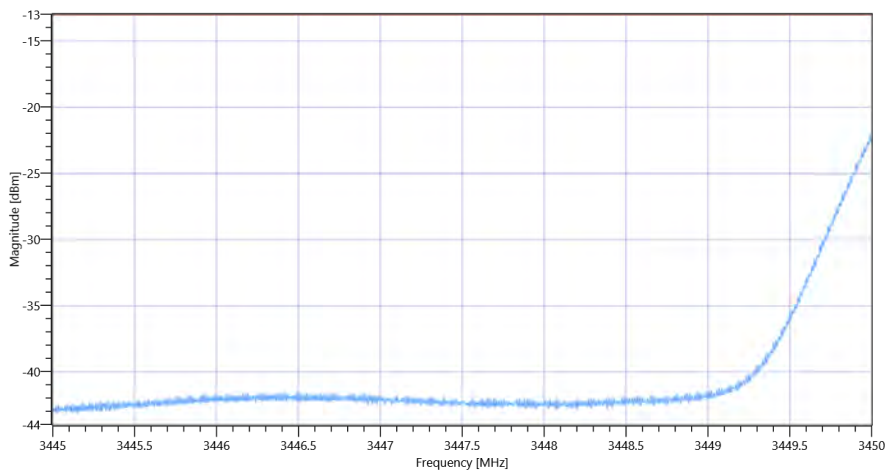
Test freq: low, UL[MHz]/CH 3490.02/632668, CBW [MHz]: 80, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.24 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] 3449.5	--	-13	-30.31	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-42.51	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-42.59	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-42.26	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-42.73	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3490.02/632668, CBW [MHz]: 80, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

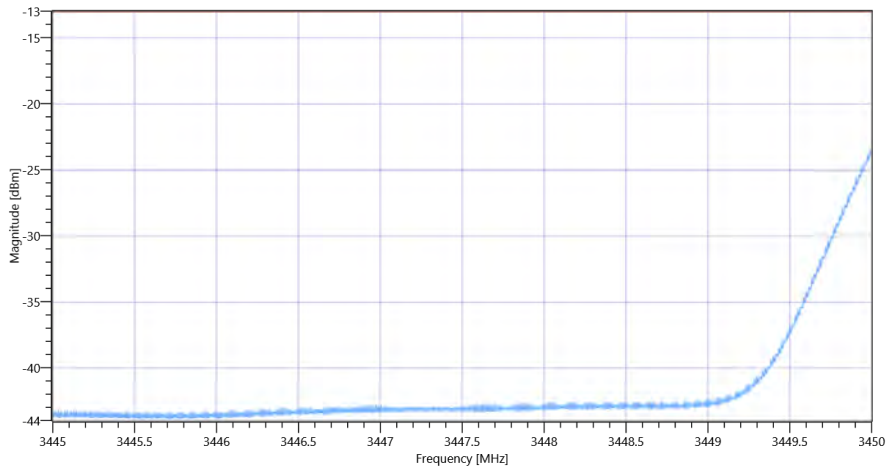
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.08 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000

READ SA SETTINGS:

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] 3449.5	--	-13	-31.65	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-43.16	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-43.35	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-43.61	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-43.87	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3490.02/632668, CBW [MHz]: 80, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

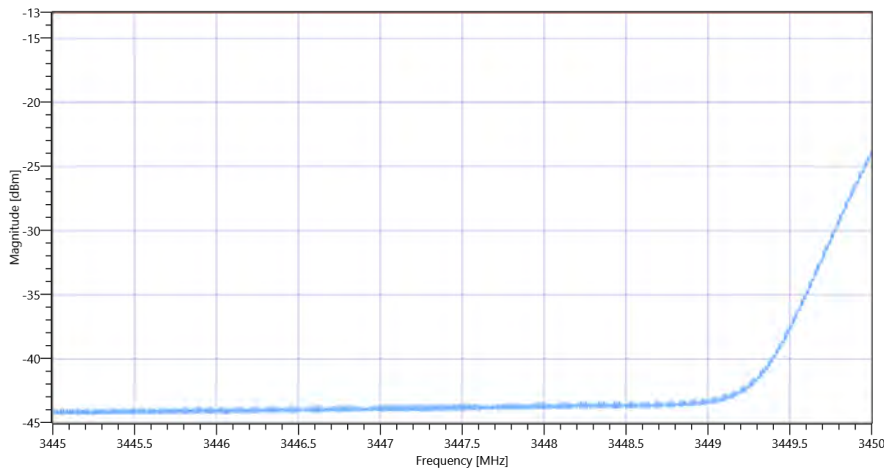
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.26 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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] 3449.5	--	-13	-32.03	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-43.9	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-44.1	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-44.26	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-44.39	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3490.02/632668, CBW [MHz]: 80, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

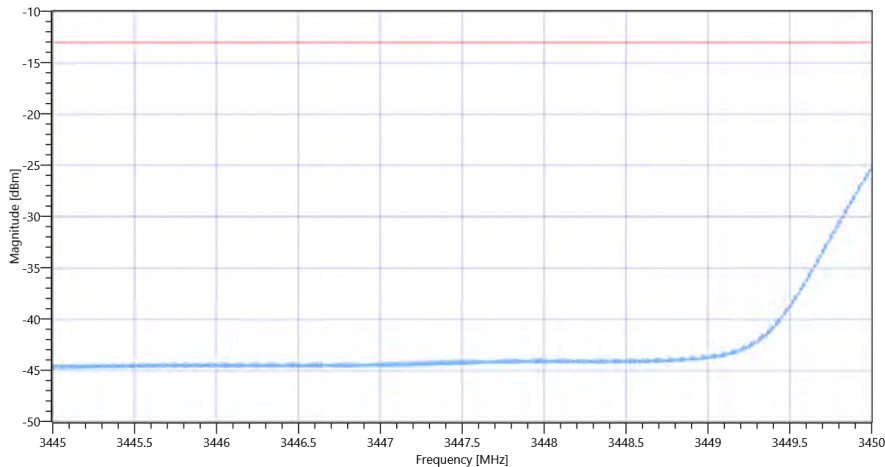
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.46 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3449.5	--	-13	-33.31	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-44.33	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-44.53	dBm	PASS

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3446.5	--	-13	-44.77	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-44.83	dBm	PASS



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

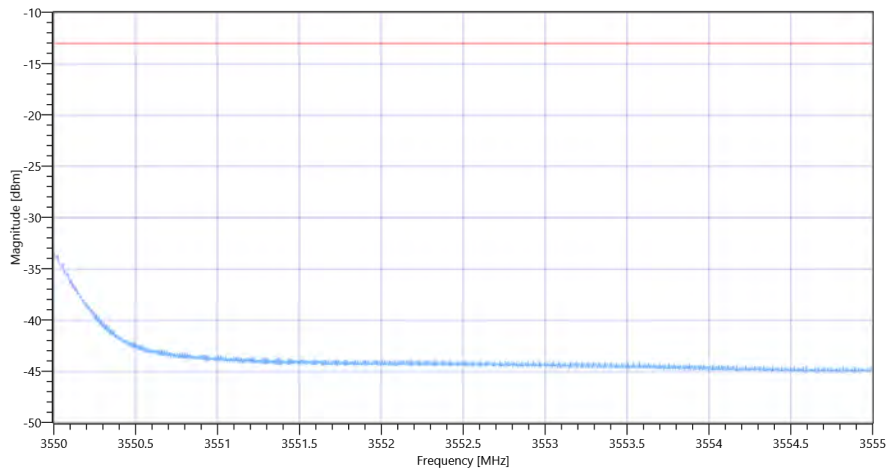
Test freq: high, UL[MHz]/CH 3510/634000, CBW [MHz]: 80, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.40 0 30
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	-40.25	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-44.34	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-44.55	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-44.77	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-45.1	dBm	PASS



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

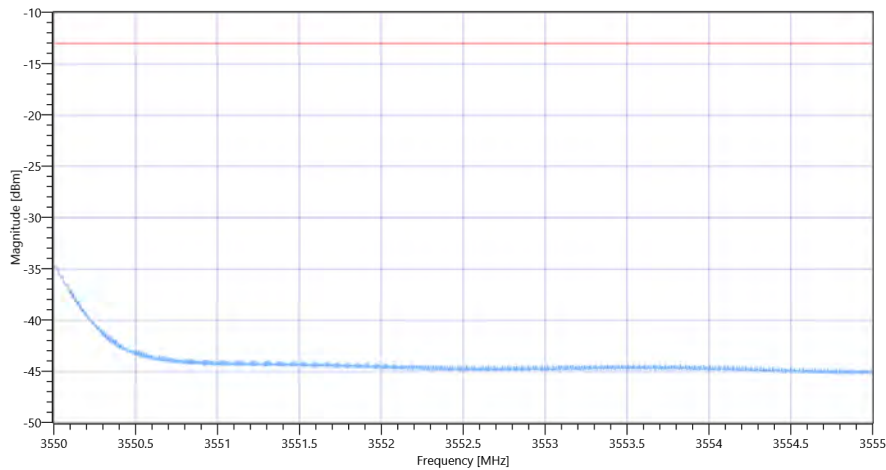
Test freq: high, UL[MHz]/CH 3510/634000, CBW [MHz]: 80, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.14 0 30
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	-41.13	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-44.63	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-44.98	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-44.92	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-45.2	dBm	PASS



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

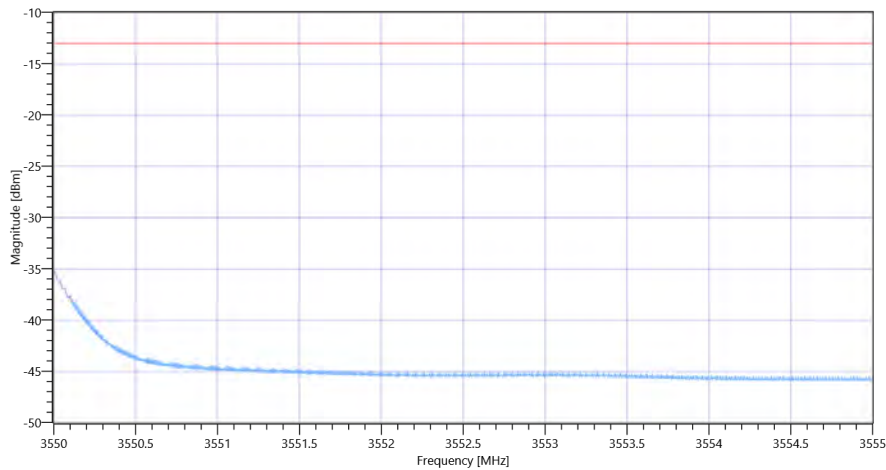
Test freq: high, UL[MHz]/CH 3510/634000, CBW [MHz]: 80, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.10 0 30
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	-41.73	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-45.32	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-45.64	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-45.75	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-46.01	dBm	PASS



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

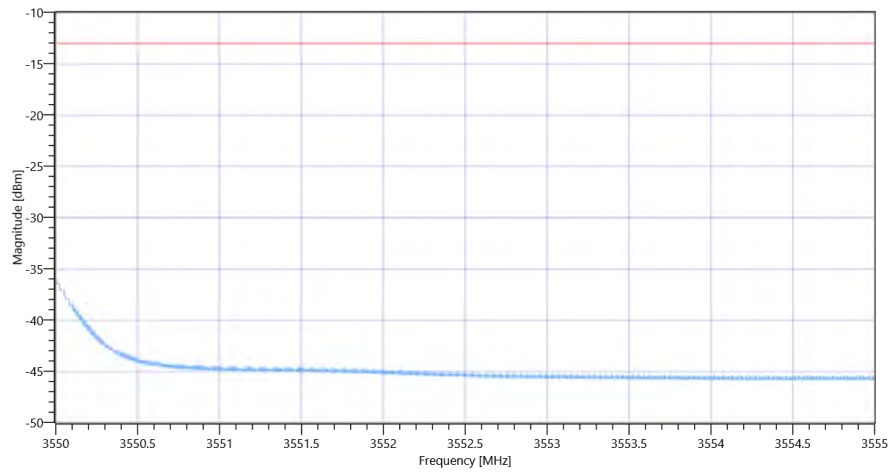
Test freq: high, UL[MHz]/CH 3510/634000, CBW [MHz]: 80, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.44 0 30
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	-42.26	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-45.17	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-45.62	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-45.86	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 at BW [MHz]: 90

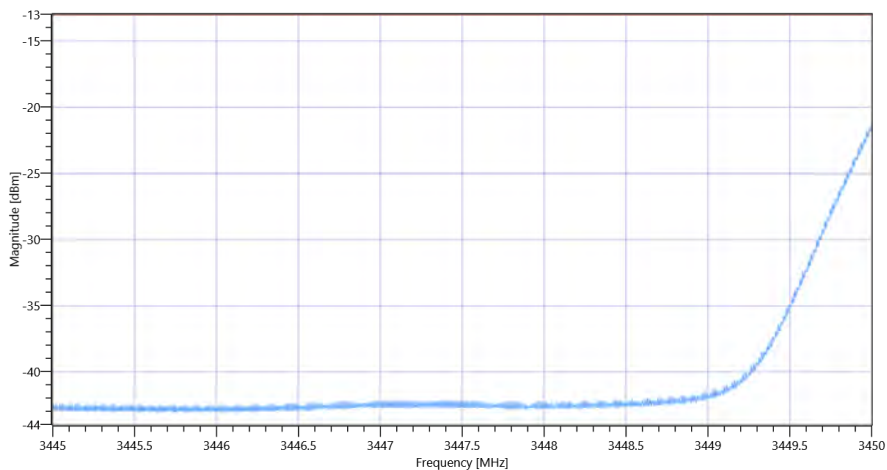
Test freq: low, UL[MHz]/CH 3495/633000, CBW [MHz]: 90, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.00 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] 3449.5	--	-13	-29.49	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-42.65	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-42.8	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-42.95	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-43.06	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3495/633000, CBW [MHz]: 90, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

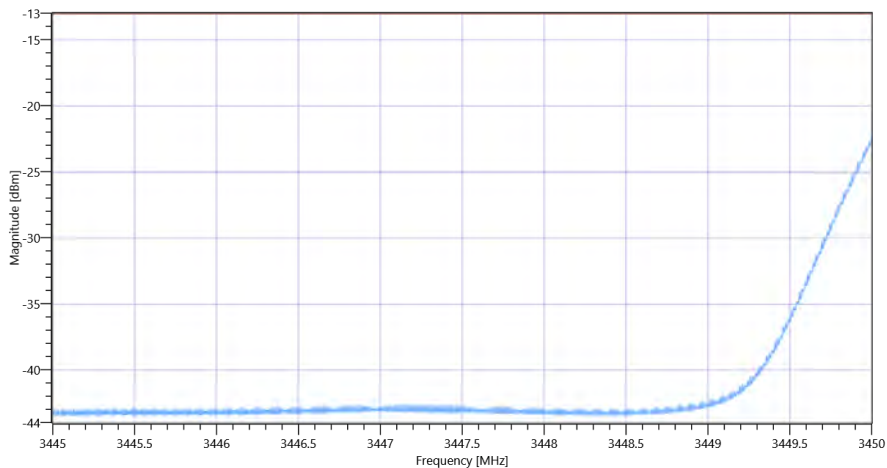
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.96 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000

READ SA SETTINGS:

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] 3449.5	--	-13	-30.62	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-43.41	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-43.32	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-43.35	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-43.5	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3495/633000, CBW [MHz]: 90, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

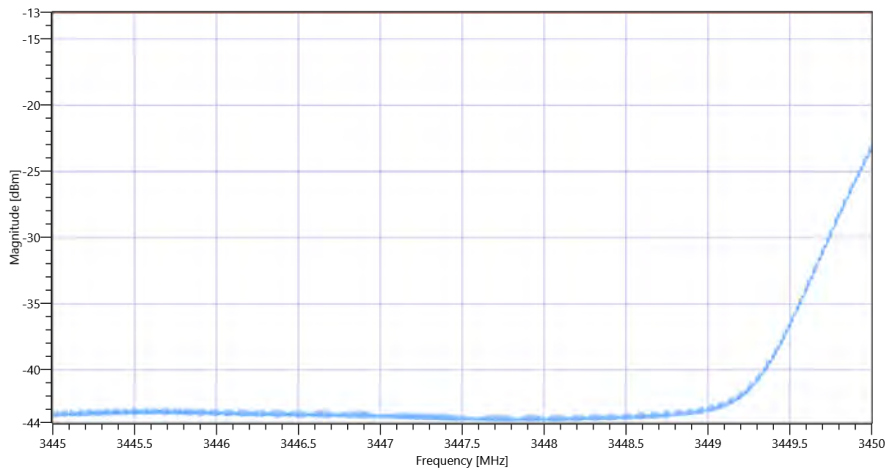
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.73 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

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] 3449.5	--	-13	-31.17	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-43.79	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-43.92	dBm	PASS
Frequency [MHz] 3446.5	--	-13	-43.64	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-43.51	dBm	PASS



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

Test freq: low, UL[MHz]/CH 3495/633000, CBW [MHz]: 90, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

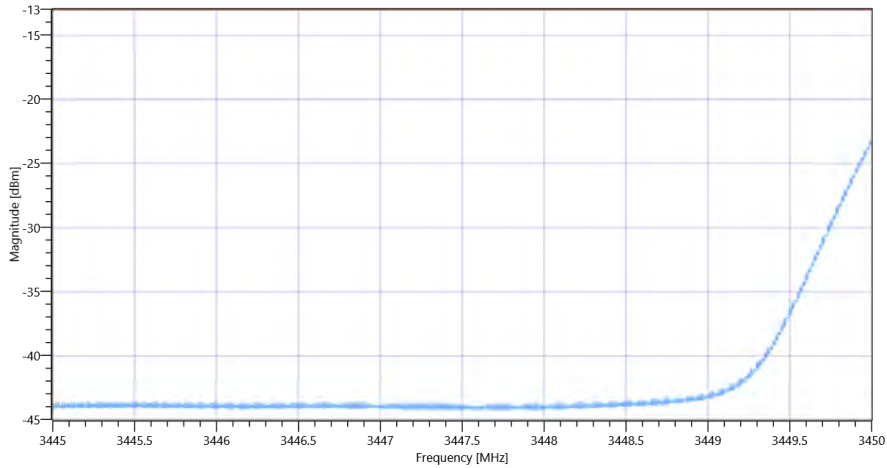
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.94 0 30
Start [MHz] Stop [MHz]	3445.000 3450.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	30000 1 1001 SWE

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Band power 1MHz					
Frequency [MHz] 3449.5	--	-13	-31.24	dBm	PASS
Frequency [MHz] 3448.5	--	-13	-44.01	dBm	PASS
Frequency [MHz] 3447.5	--	-13	-44.28	dBm	PASS

RESULT lower band

Test description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Frequency [MHz] 3446.5	--	-13	-44.21	dBm	PASS
Frequency [MHz] 3445.5	--	-13	-44.18	dBm	PASS



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

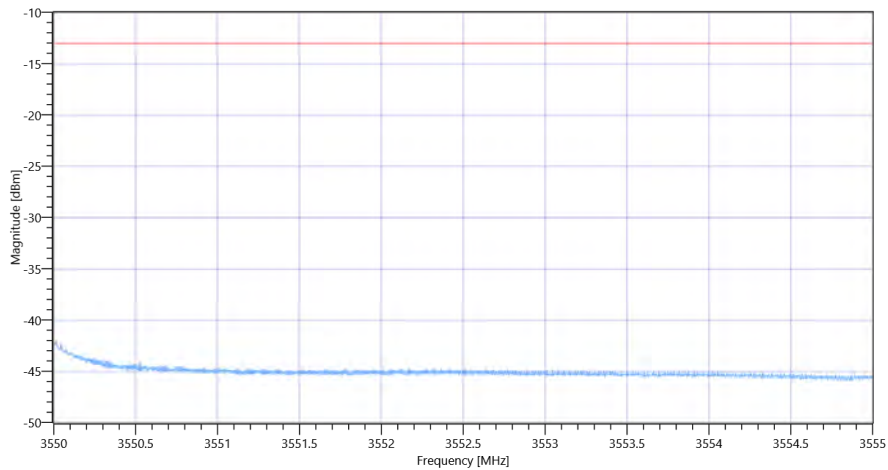
Test freq: high, UL[MHz]/CH 3504.99/633666, CBW [MHz]: 90, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.11 0 30
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	-44.58	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-45.36	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-45.39	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-45.55	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-45.77	dBm	PASS



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

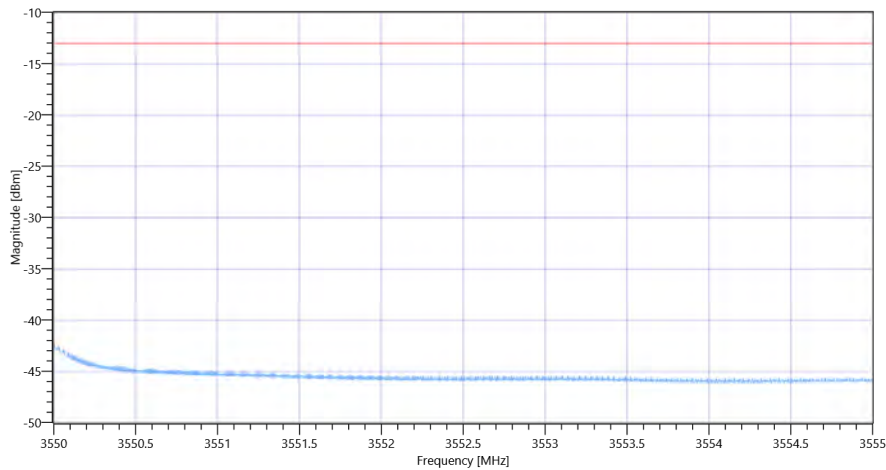
Test freq: high, UL[MHz]/CH 3504.99/633666, CBW [MHz]: 90, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.85 0 30
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	-44.87	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-45.76	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-46	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-46.1	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-46.2	dBm	PASS



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

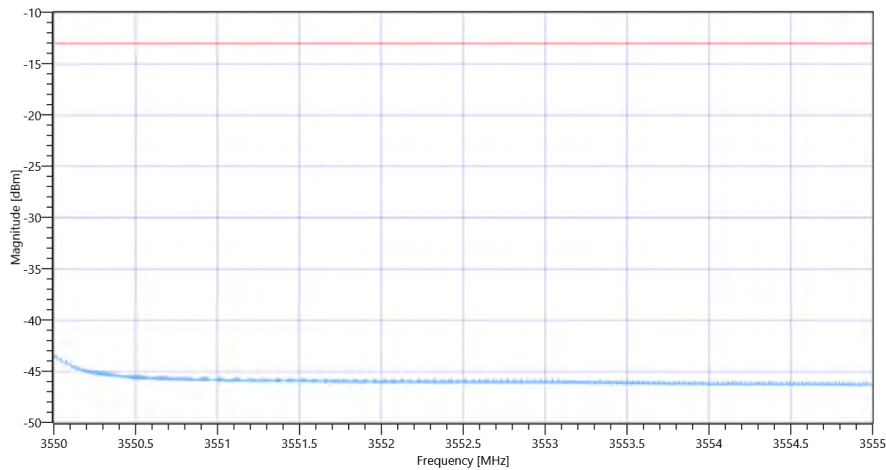
Test freq: high, UL[MHz]/CH 3504.99/633666, CBW [MHz]: 90, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.51 0 30
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	-45.56	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-46.19	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-46.28	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-46.39	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-46.52	dBm	PASS



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

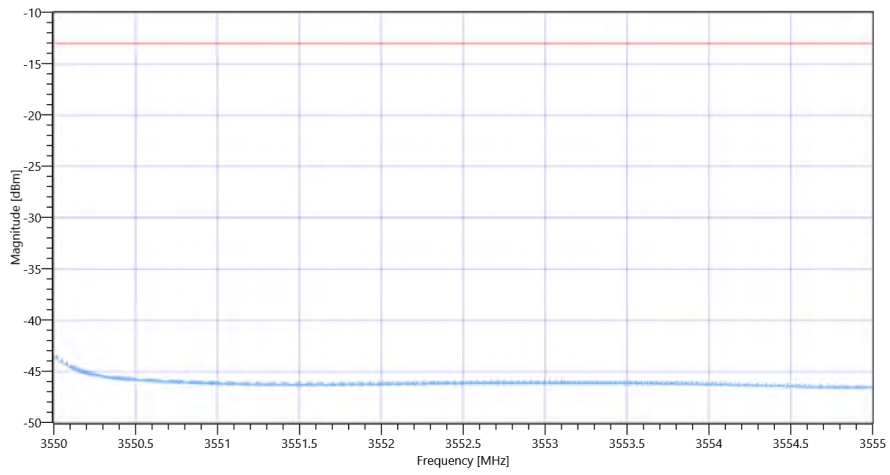
Test freq: high, UL[MHz]/CH 3504.99/633666, CBW [MHz]: 90, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.04 0 30
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	-45.79	dBm	PASS
Frequency [MHz] 3551.5	--	-13	-46.54	dBm	PASS
Frequency [MHz] 3552.5	--	-13	-46.42	dBm	PASS
Frequency [MHz] 3553.5	--	-13	-46.43	dBm	PASS
Frequency [MHz] 3554.5	--	-13	-46.71	dBm	PASS



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

FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	06.11.2022 22:02:00
Ambit Temp [°C] Humidity [rel%]	24.0 34
System Version	3.3.1.5
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio TX Emissions 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

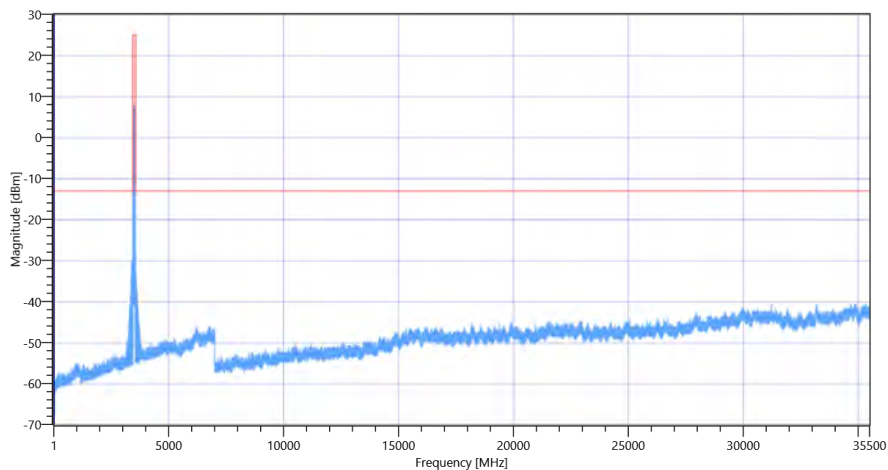
Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 100, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

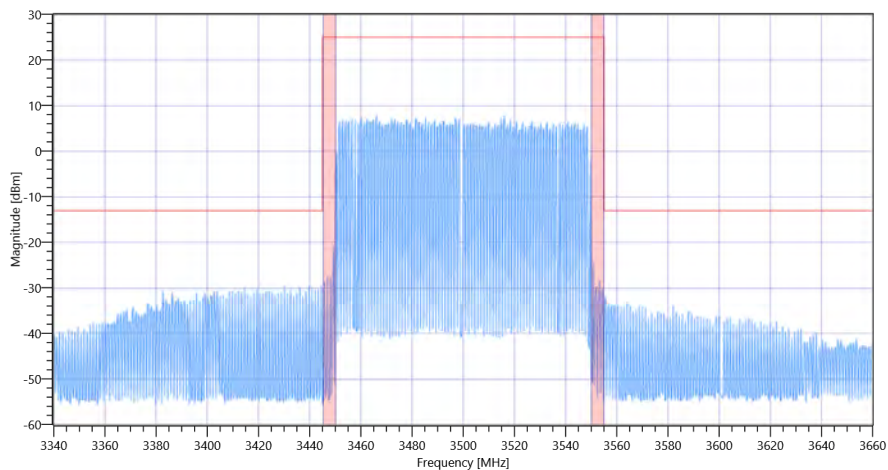
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-4.09 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 100, RB_100PCT, Mod: QPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98

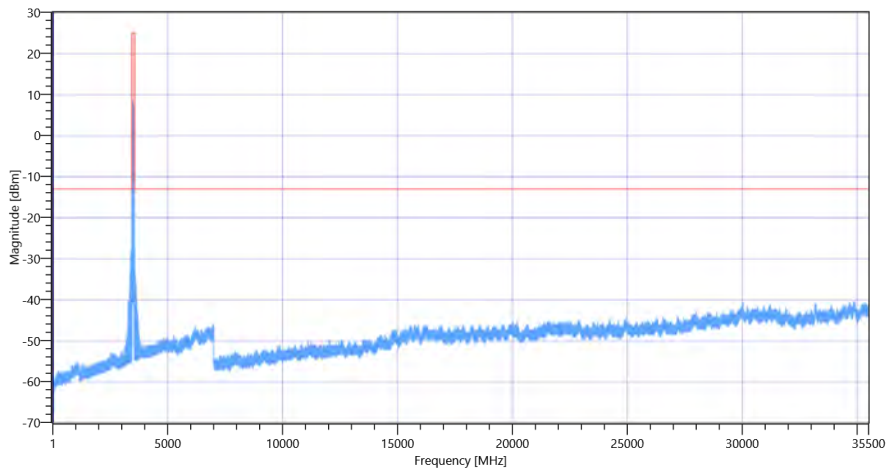
Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 100, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

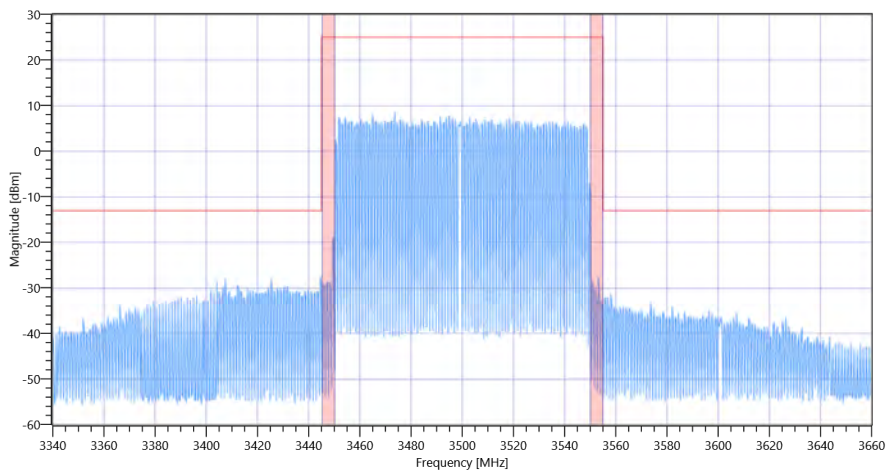
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-3.46 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 100, RB_100PCT, Mod: 16QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98

Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 100, RB_100PCT, Mod: 64QAM

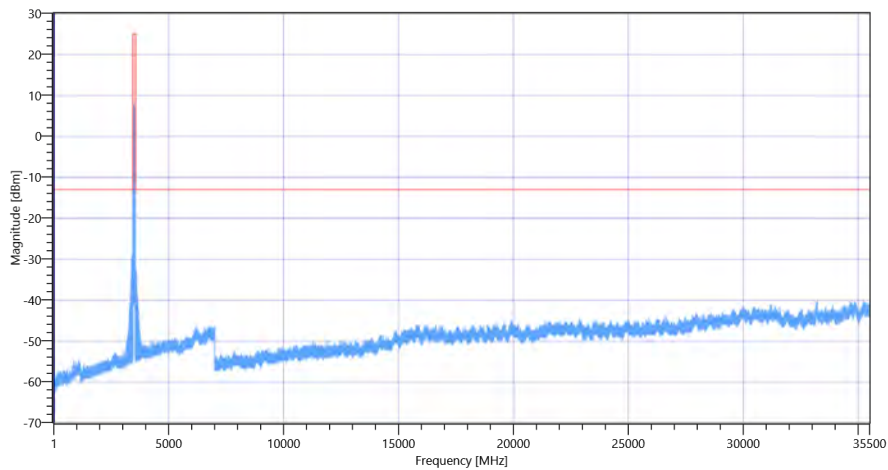
READ SA SETTINGS:

READ SA SETTINGS:

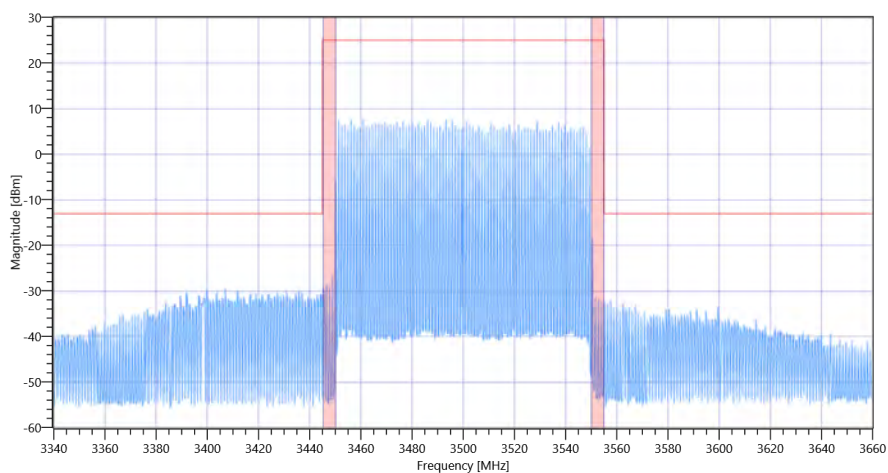
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-3.71 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 100, RB_100PCT, Mod: 64QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98

Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 100, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

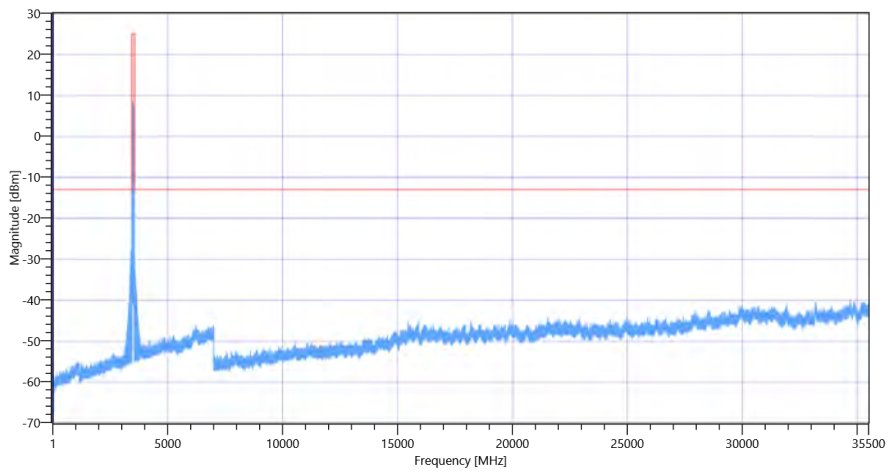
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-2.86 0 15
--	----------------

READ SA SETTINGS:

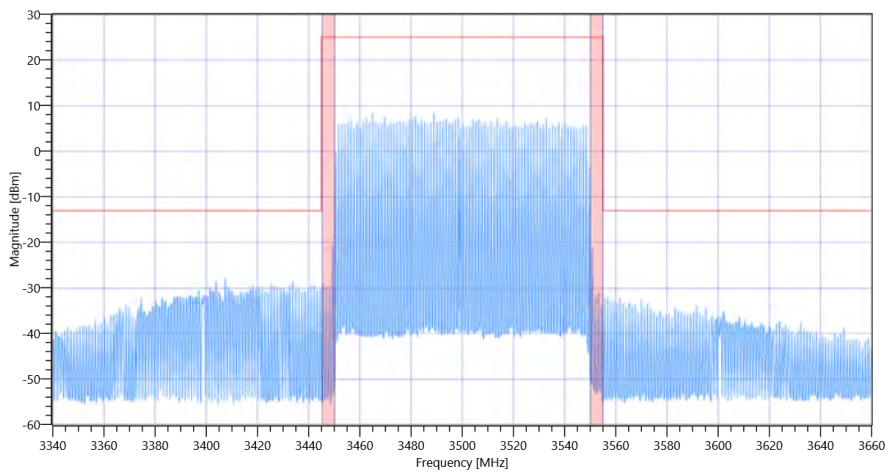
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 100, RB_100PCT, Mod: 256QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98

FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30

Test References

TC Start	06.11.2022 17:47:45
Ambit Temp [°C] Humidity [rel%]	24.2 33
System Version	3.3.1.5
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio TX Emissions 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	True
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

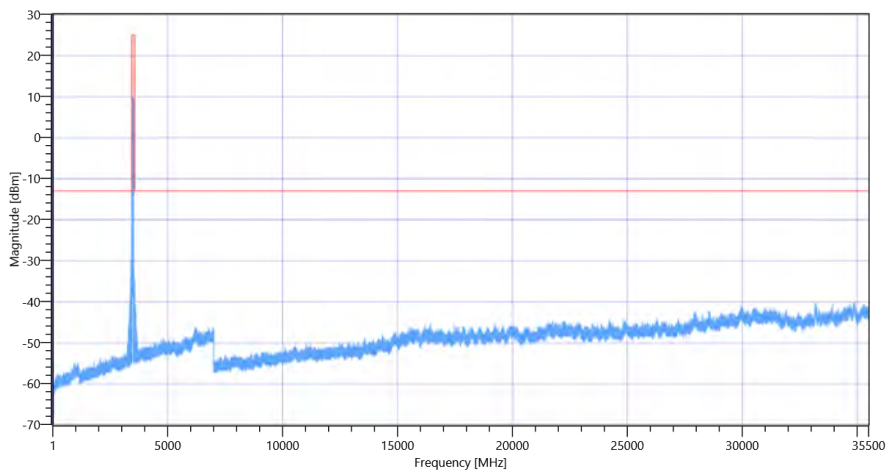
Test freq: low, UL[MHz]/CH 3480/632000, CBW [MHz]: 60, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

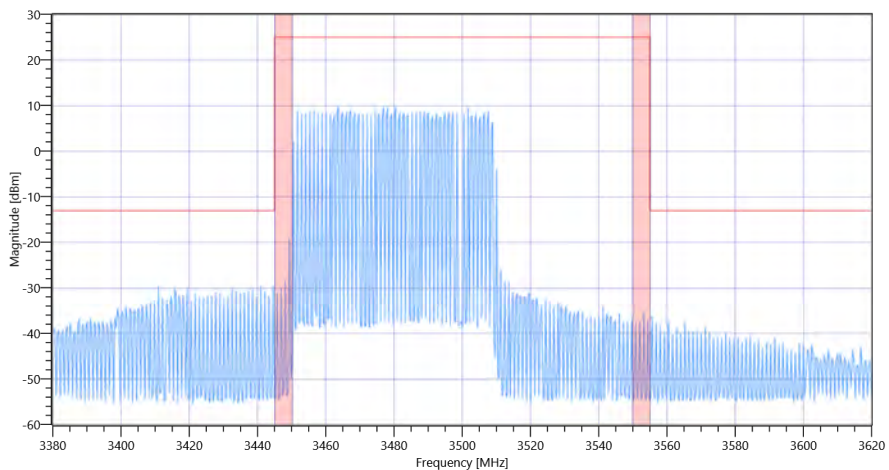
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.96 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 3480/632000, CBW [MHz]: 60, RB_100PCT, Mod: QPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3480 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3480

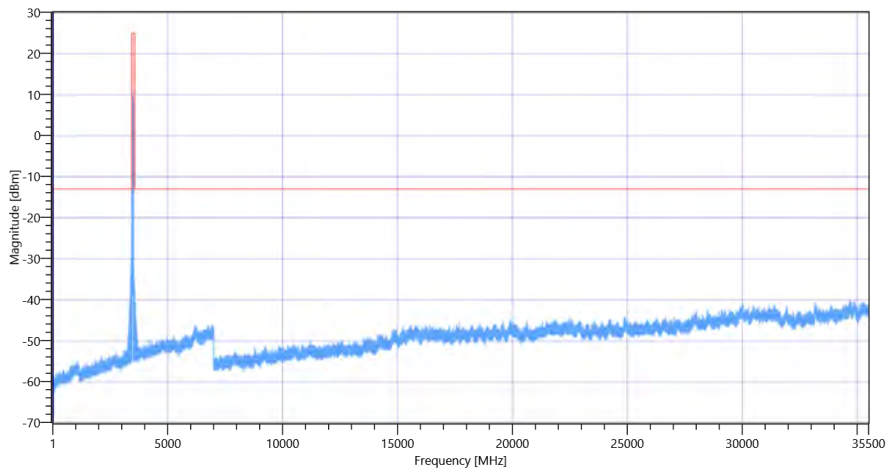
Test freq: low, UL[MHz]/CH 3480/632000, CBW [MHz]: 60, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

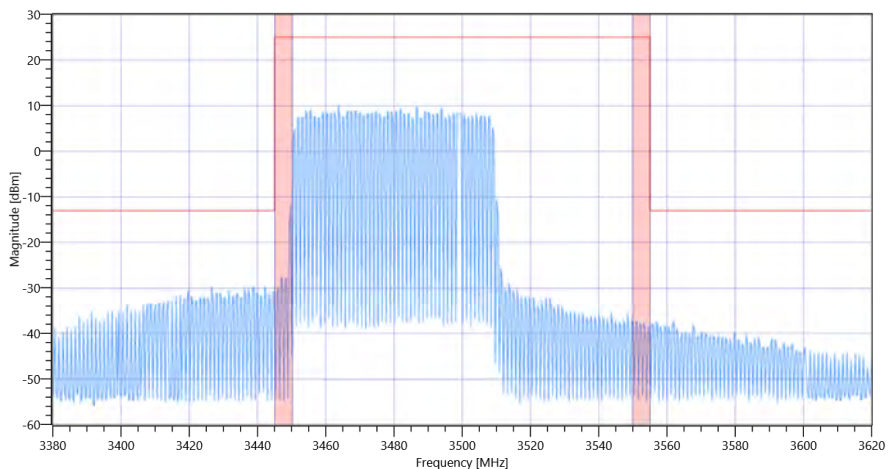
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.52 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 3480/632000, CBW [MHz]: 60, RB_100PCT, Mod: 16QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3480 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3480

Test freq: low, UL[MHz]/CH 3480/632000, CBW [MHz]: 60, RB_100PCT, Mod: 64QAM

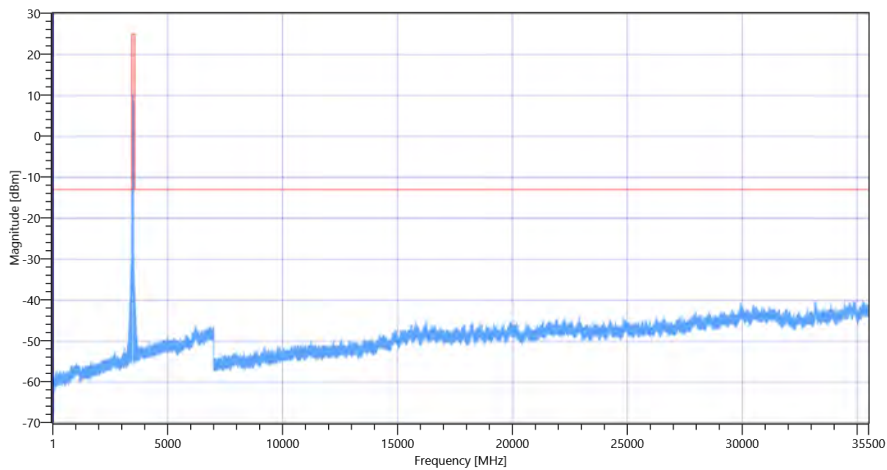
READ SA SETTINGS:

READ SA SETTINGS:

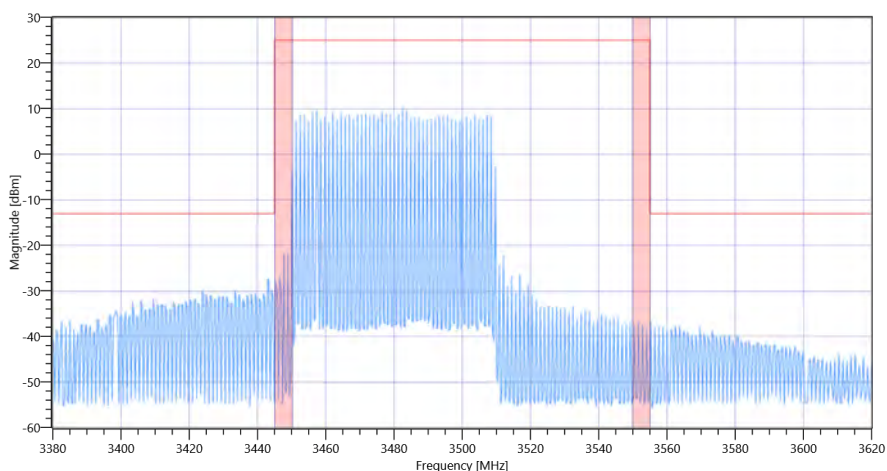
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.27 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 3480/632000, CBW [MHz]: 60, RB_100PCT, Mod: 64QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3480 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3480

Test freq: low, UL[MHz]/CH 3480/632000, CBW [MHz]: 60, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

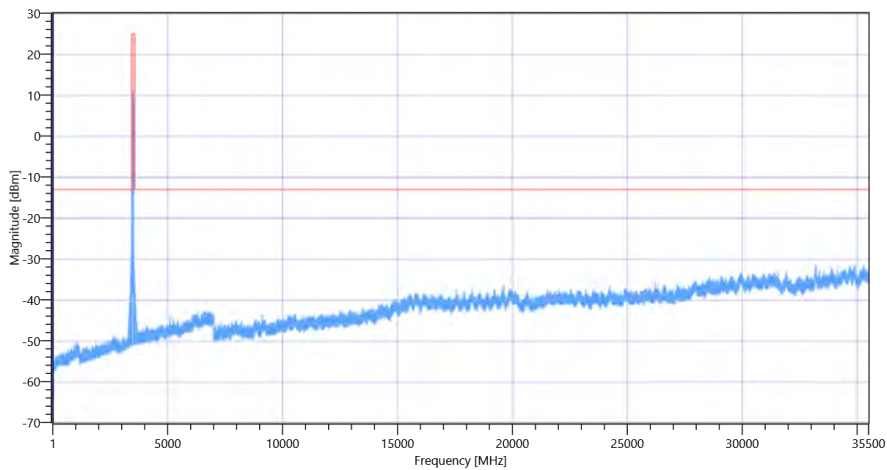
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	0.49 0 20
--	---------------

READ SA SETTINGS:

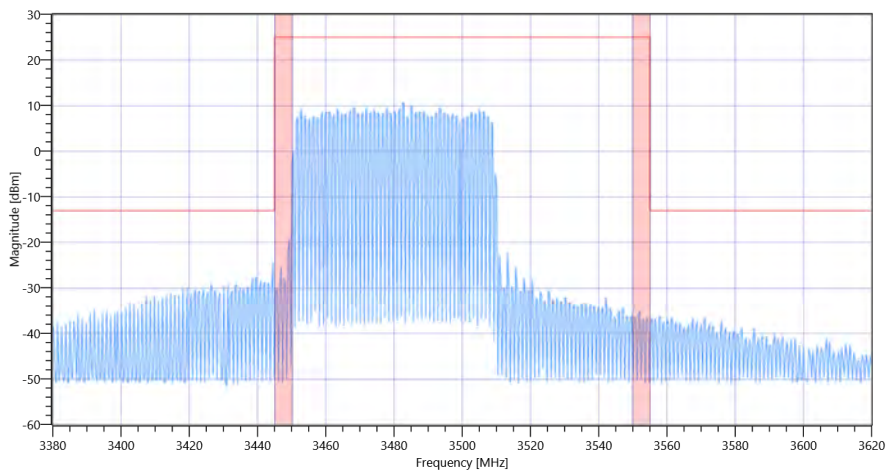
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 3480/632000, CBW [MHz]: 60, RB_100PCT, Mod: 256QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3480 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3480

Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 60, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

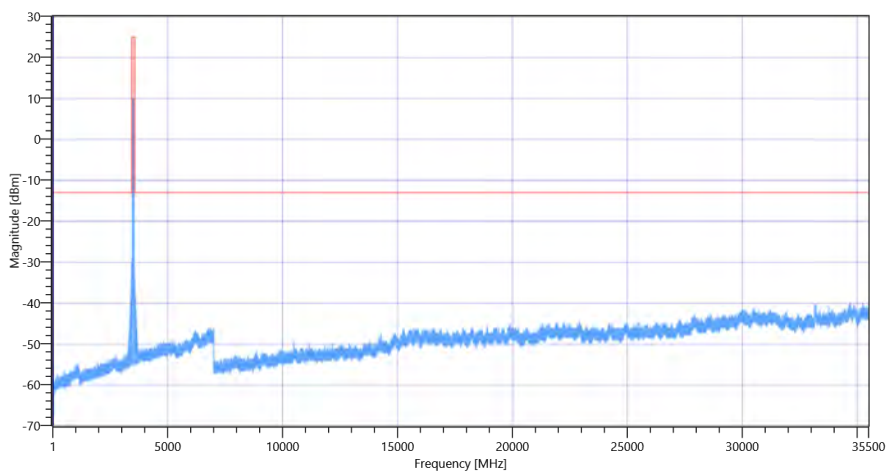
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.34 0 15
Start [MHz] Stop [MHz]	1.000 401.000

READ SA SETTINGS:

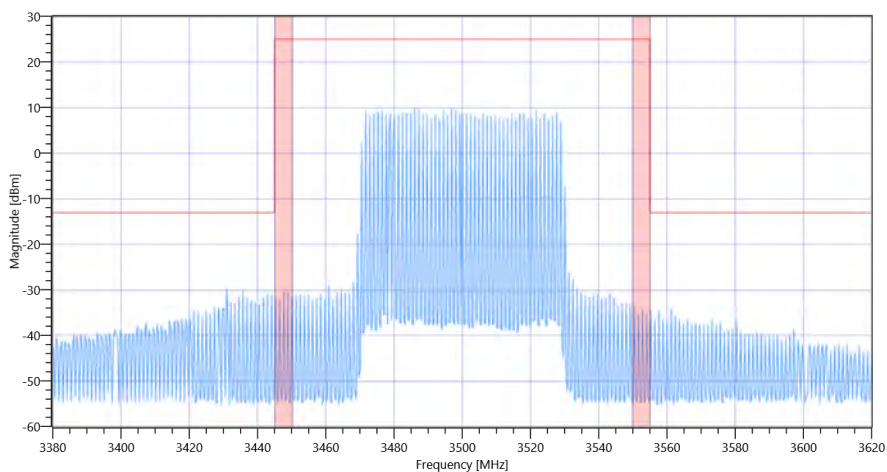
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 60, RB_100PCT, Mod: QPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98

Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 60, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

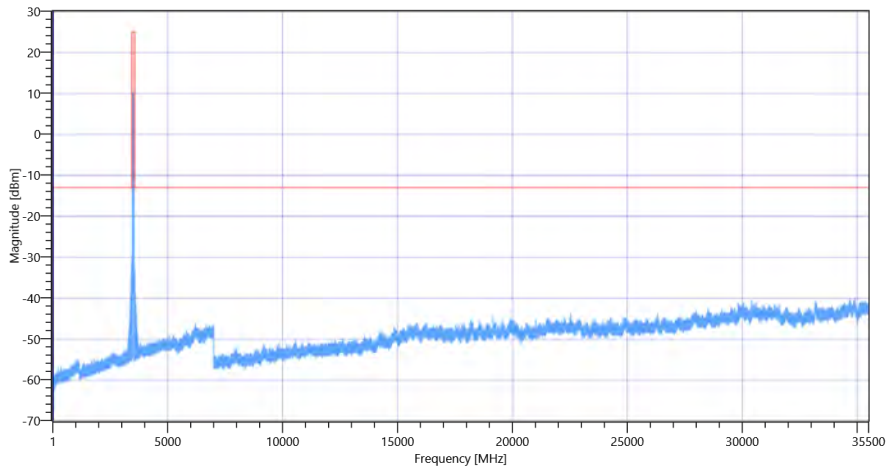
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.51 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000

READ SA SETTINGS:

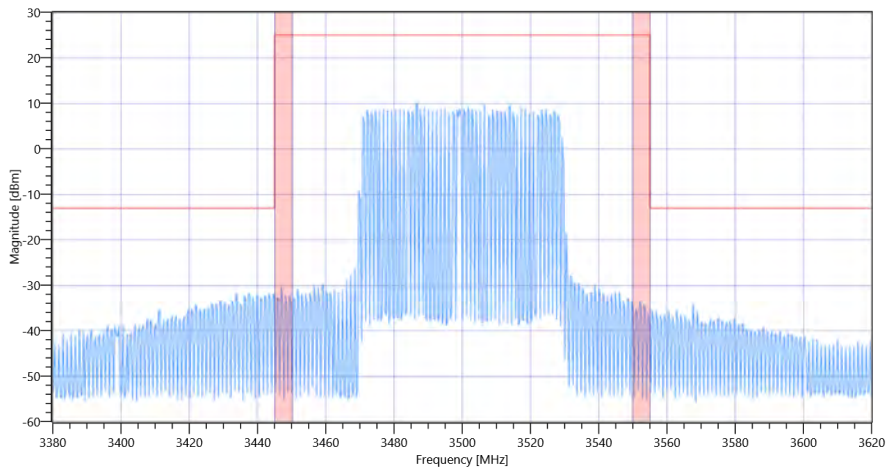
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 60, RB_100PCT, Mod: 16QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98

Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 60, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

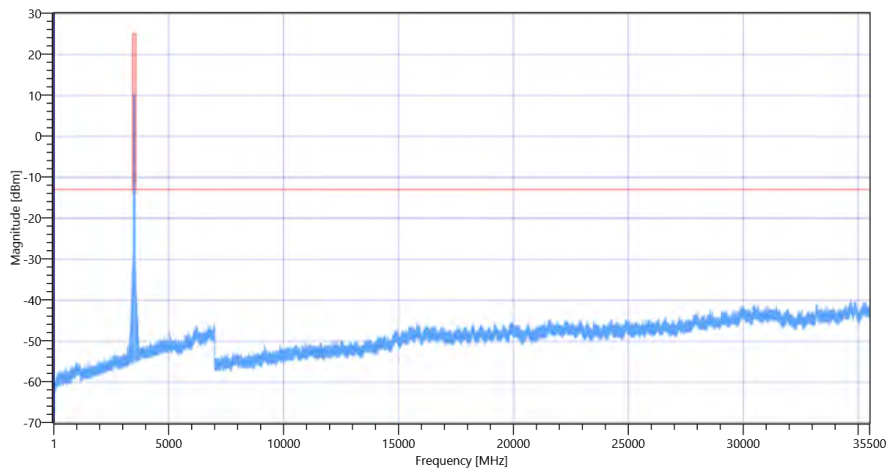
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.17 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH

READ SA SETTINGS:

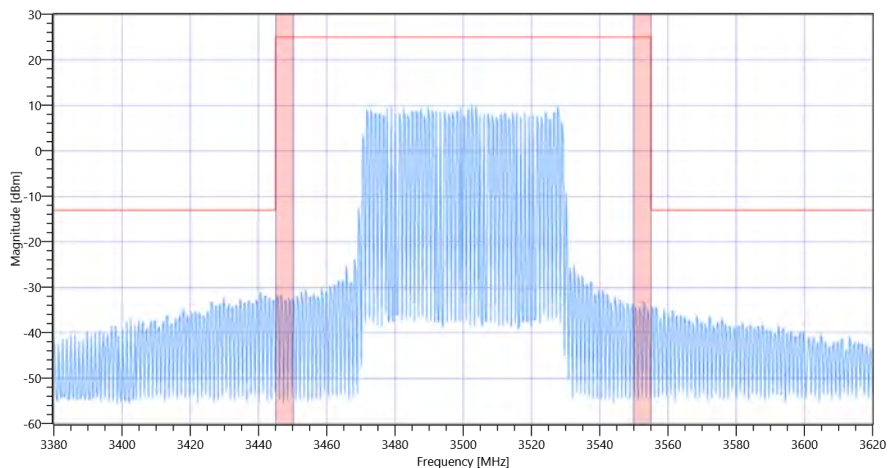
Sweep: Time [ms] | Count | Points per Section | Type 1600 | 1 | 1001 | SWE

RESULT Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 60, RB_100PCT, Mod: 64QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98

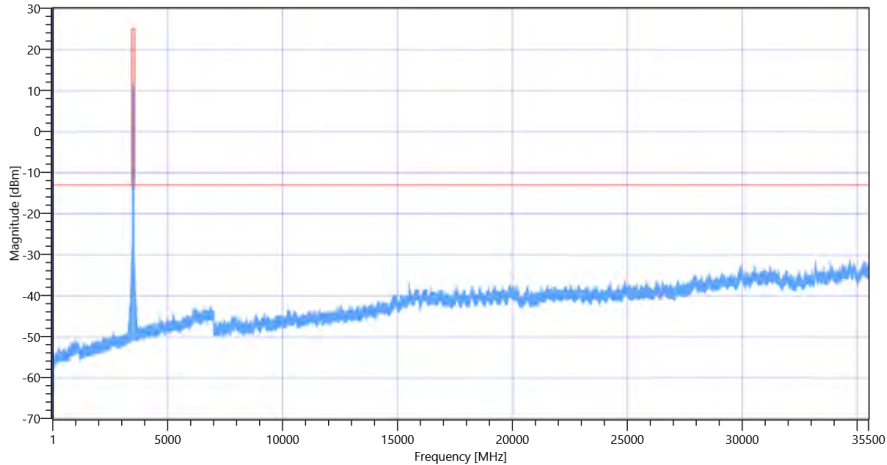
Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 60, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

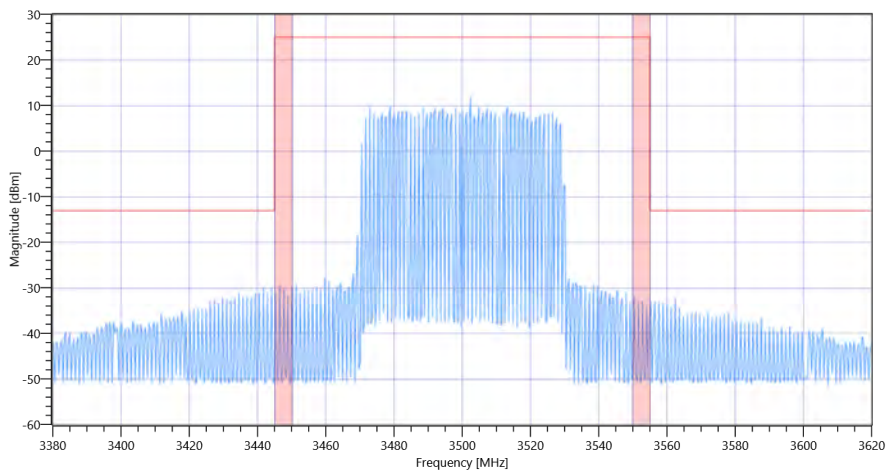
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB] 0.69 | 0 | 20
 Start [MHz] | Stop [MHz] 1.000 | 401.000
 RBW [MHz] | VBW [MHz] 1.000000 | 3.000000
 Detector | TraceMode POS | MAXH
 Sweep: Time [ms] | Count | Points per Section | Type 1600 | 1 | 1001 | SWE

RESULT Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 60, RB_100PCT, Mod: 256QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98

Test freq: high, UL[MHz]/CH 3519.99/634666, CBW [MHz]: 60, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

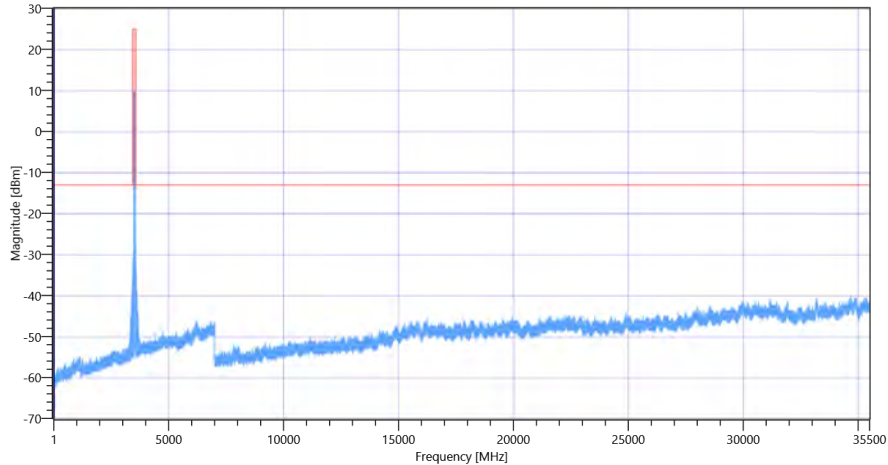
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.34 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: high, UL[MHz]/CH 3519.99/634666, CBW [MHz]: 60, RB_100PCT, Mod: QPSK

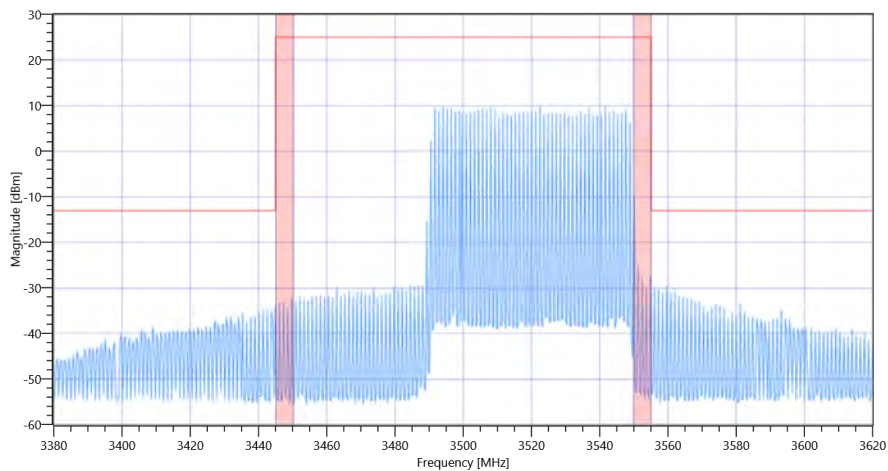
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
2022-12-15					

RESULT Test freq: high, UL[MHz]/CH 3519.99/634666, CBW [MHz]: 60, RB_100PCT, Mod: QPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3519.99 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3519.99

Test freq: high, UL[MHz]/CH 3519.99/634666, CBW [MHz]: 60, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

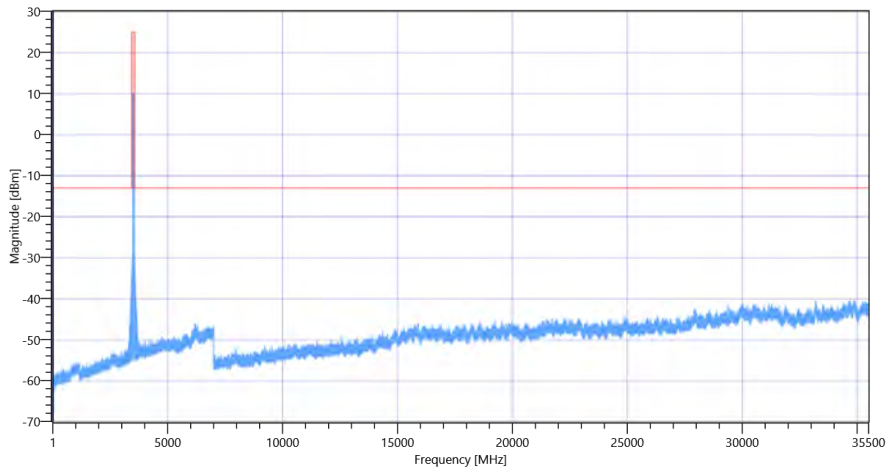
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.15 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: high, UL[MHz]/CH 3519.99/634666, CBW [MHz]: 60, RB_100PCT, Mod: 16QAM

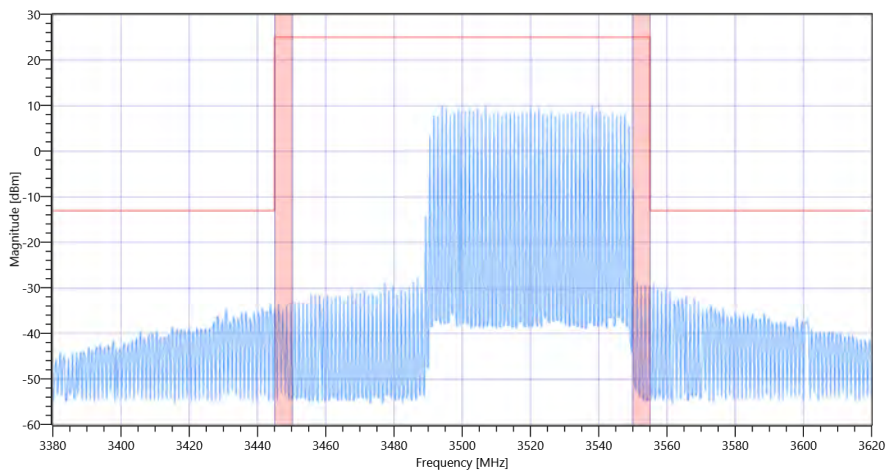
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
2022-12-15		Document 1-3977/22-03-21_Annex_MR			137/1190

RESULT Test freq: high, UL[MHz]/CH 3519.99/634666, CBW [MHz]: 60, RB_100PCT, Mod: 16QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3519.99 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3519.99

Test freq: high, UL[MHz]/CH 3519.99/634666, CBW [MHz]: 60, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

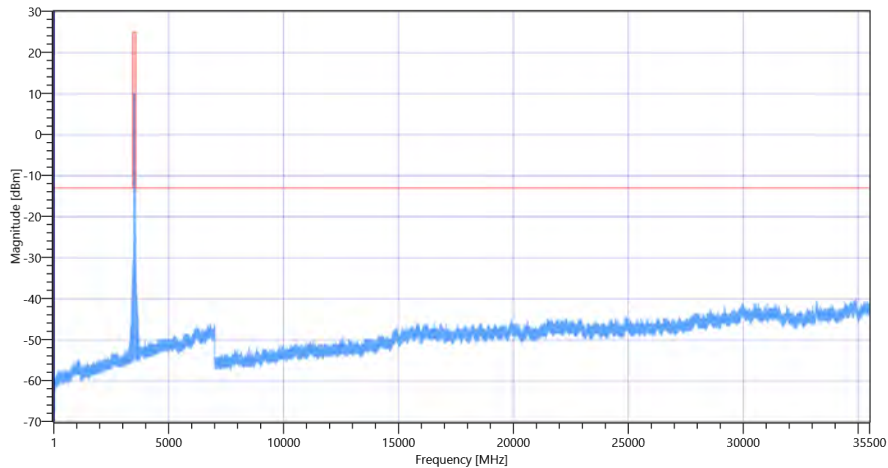
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.23 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: high, UL[MHz]/CH 3519.99/634666, CBW [MHz]: 60, RB_100PCT, Mod: 64QAM

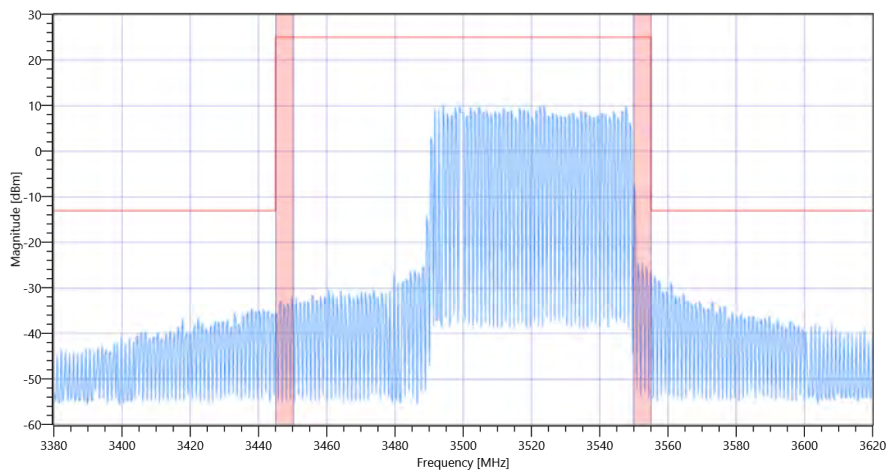
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
2022-12-15		Document 1-3977/22-03-21_Annex_MR			138/1190

RESULT Test freq: high, UL[MHz]/CH 3519.99/634666, CBW [MHz]: 60, RB_100PCT, Mod: 64QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3519.99 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3519.99

Test freq: high, UL[MHz]/CH 3519.99/634666, CBW [MHz]: 60, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

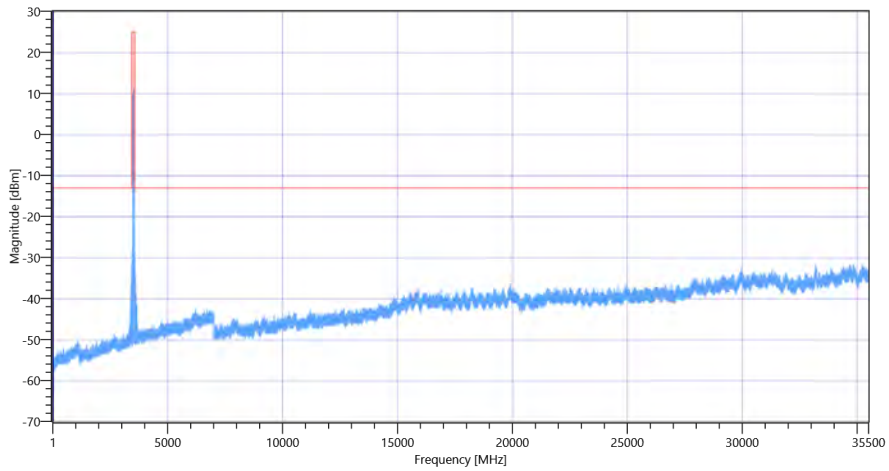
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	0.32 0 20
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: high, UL[MHz]/CH 3519.99/634666, CBW [MHz]: 60, RB_100PCT, Mod: 256QAM

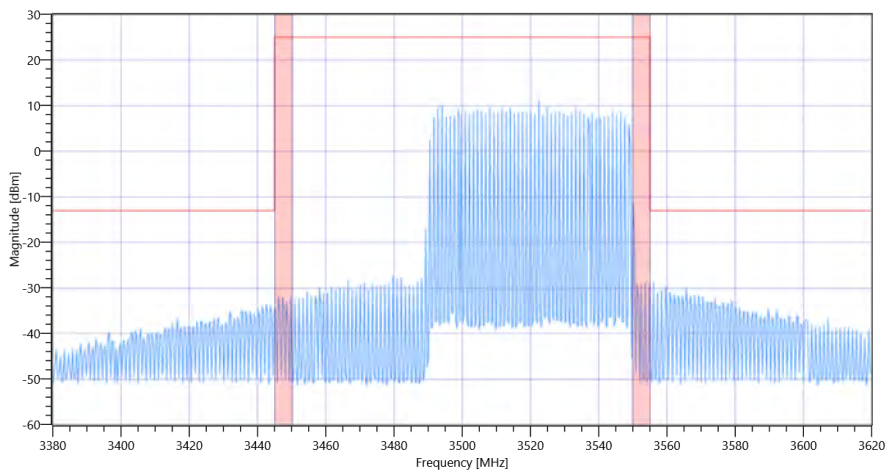
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
2022-12-15		Document 1-3977/22-03-21_Annex_MR			139/1190

RESULT Test freq: high, UL[MHz]/CH 3519.99/634666, CBW [MHz]: 60, RB_100PCT, Mod: 256QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3519.99 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3519.99

Test at BW [MHz]: 70

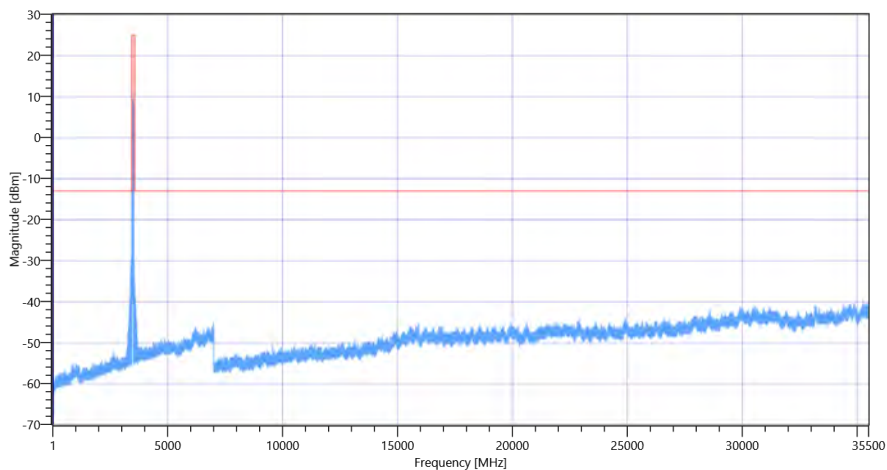
Test freq: low, UL[MHz]/CH 3485.01/632334, CBW [MHz]: 70, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

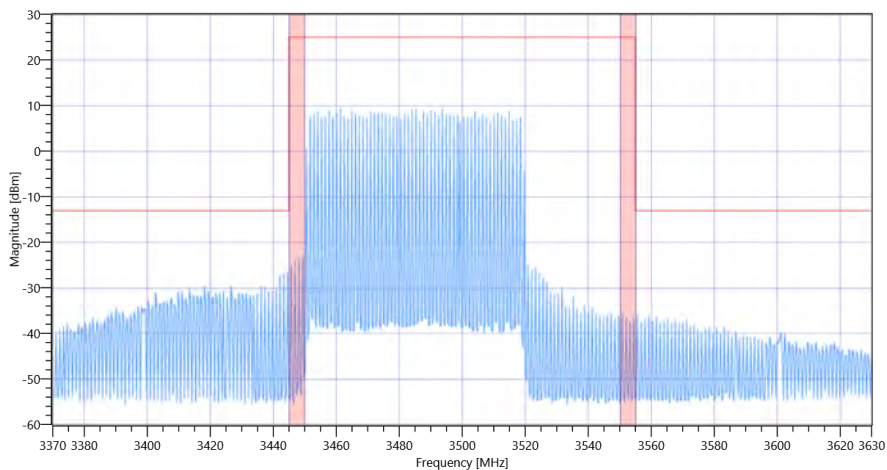
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-2.33 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 3485.01/632334, CBW [MHz]: 70, RB_100PCT, Mod: QPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3485.01 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3485.01

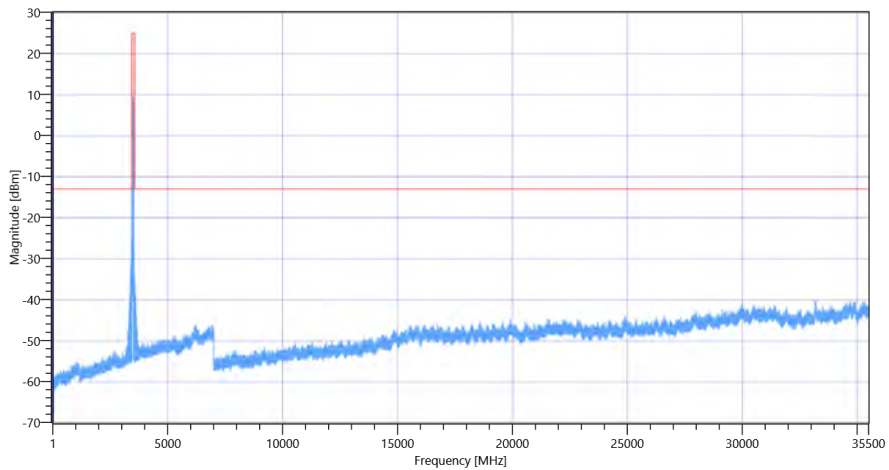
Test freq: low, UL[MHz]/CH 3485.01/632334, CBW [MHz]: 70, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

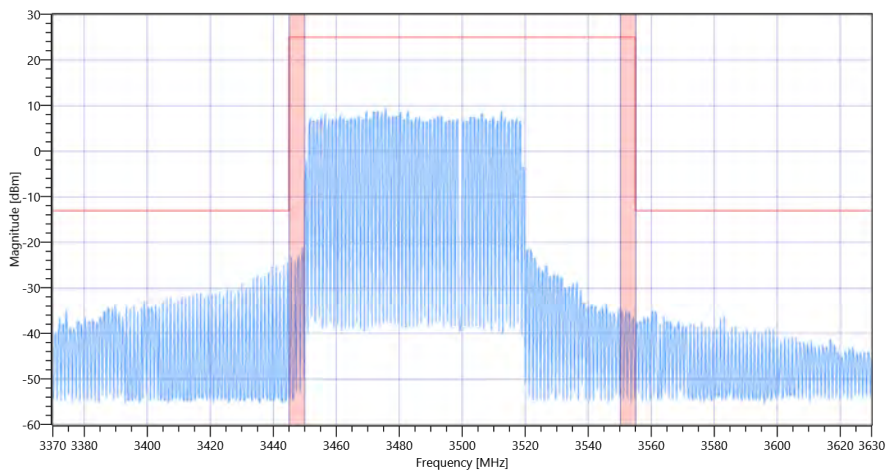
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.72 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 3485.01/632334, CBW [MHz]: 70, RB_100PCT, Mod: 16QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3485.01 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3485.01

Test freq: low, UL[MHz]/CH 3485.01/632334, CBW [MHz]: 70, RB_100PCT, Mod: 64QAM

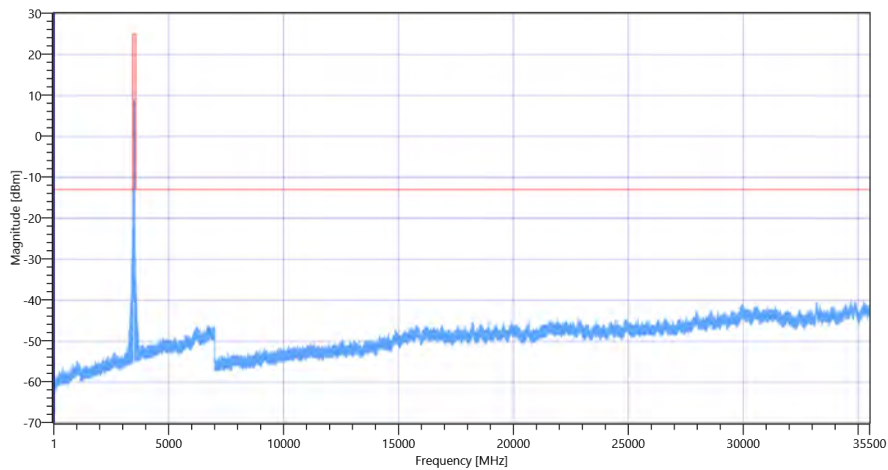
READ SA SETTINGS:

READ SA SETTINGS:

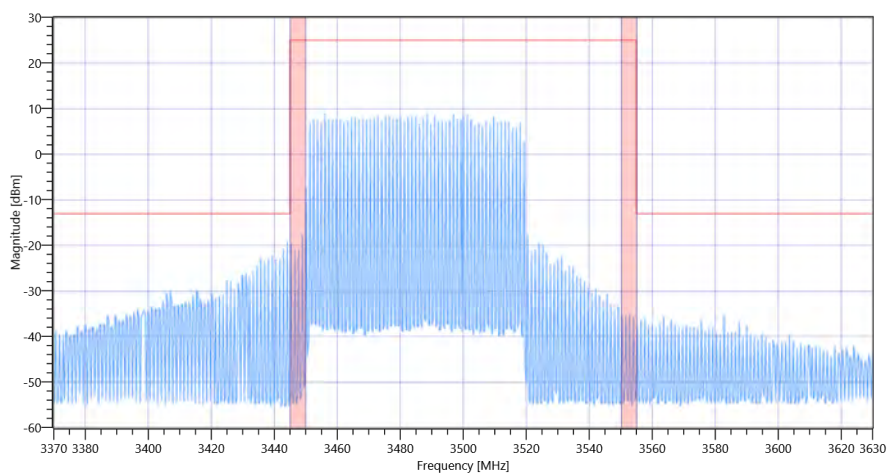
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.74 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 3485.01/632334, CBW [MHz]: 70, RB_100PCT, Mod: 64QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3485.01 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3485.01

Test freq: low, UL[MHz]/CH 3485.01/632334, CBW [MHz]: 70, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

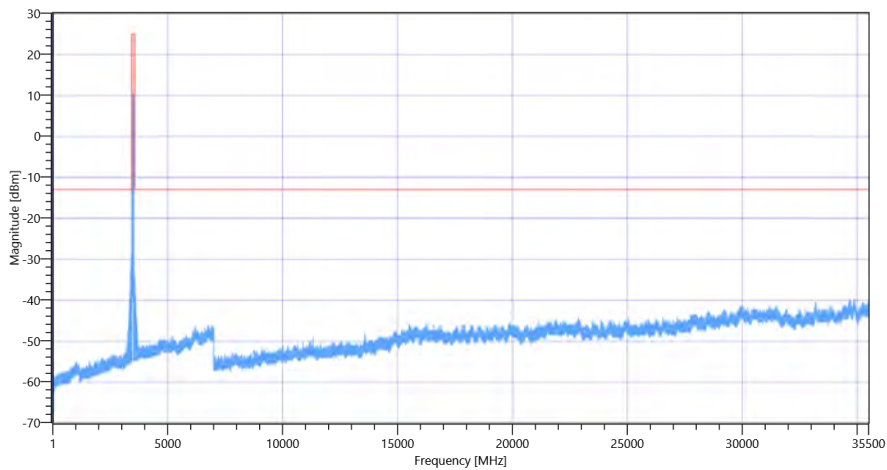
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-0.64 0 15
--	----------------

READ SA SETTINGS:

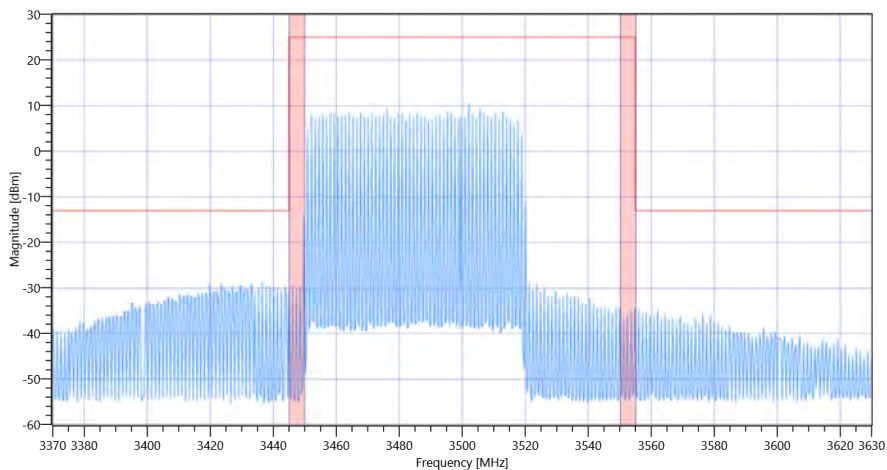
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 3485.01/632334, CBW [MHz]: 70, RB_100PCT, Mod: 256QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3485.01 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3485.01

Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 70, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

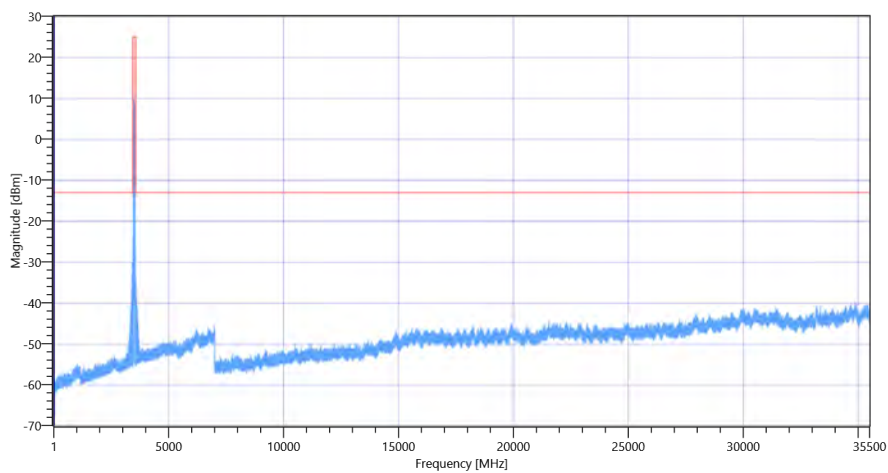
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.46 0 15
Start [MHz] Stop [MHz]	1.000 401.000

READ SA SETTINGS:

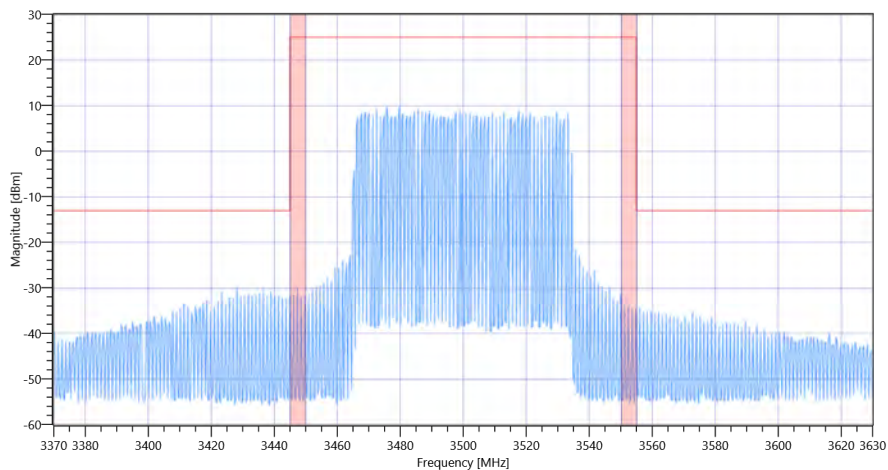
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 70, RB_100PCT, Mod: QPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98

Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 70, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

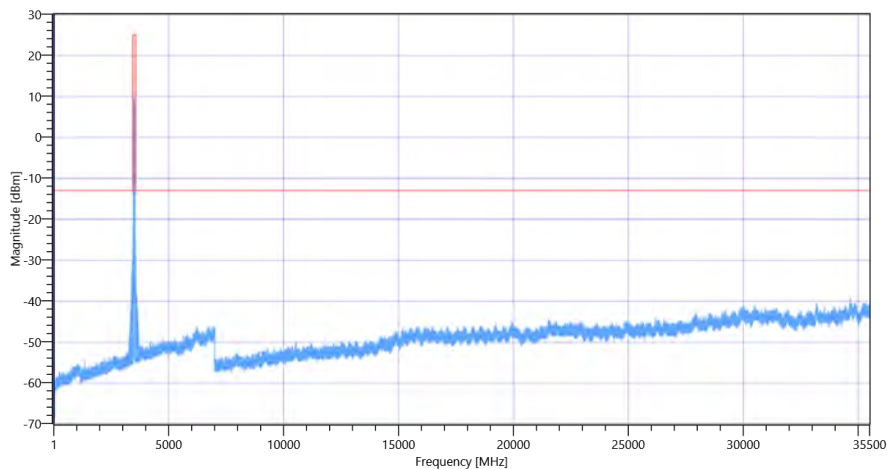
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.70 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000

READ SA SETTINGS:

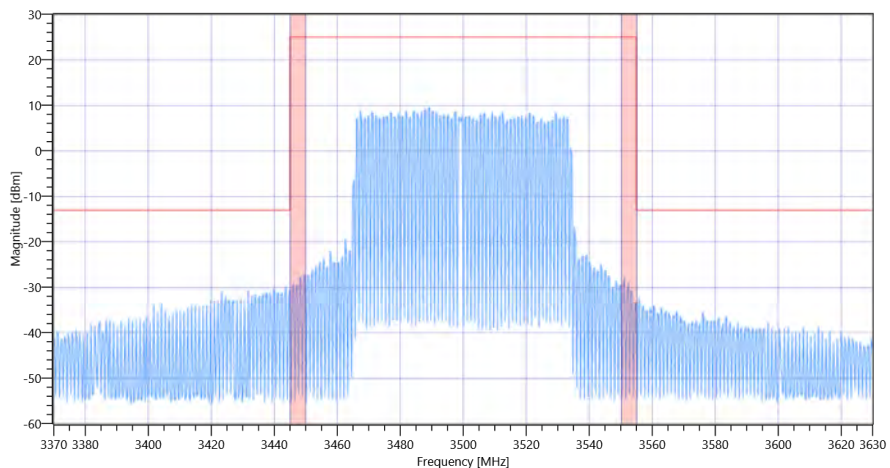
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 70, RB_100PCT, Mod: 16QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98

Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 70, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

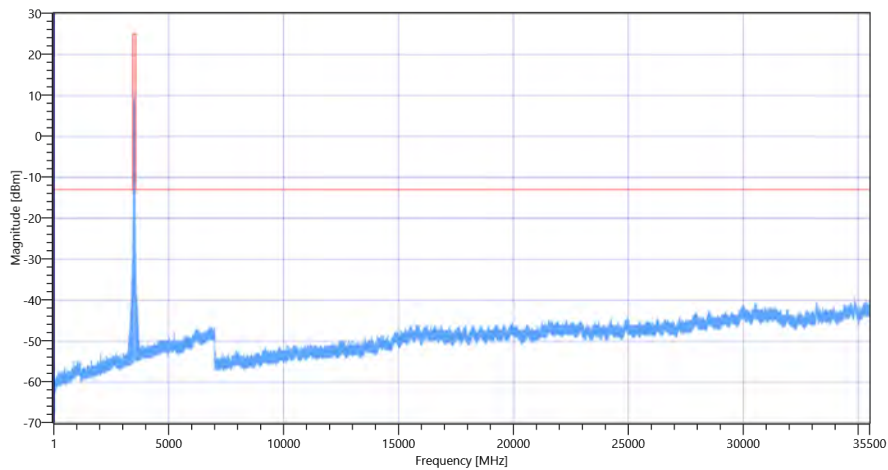
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.60 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH

READ SA SETTINGS:

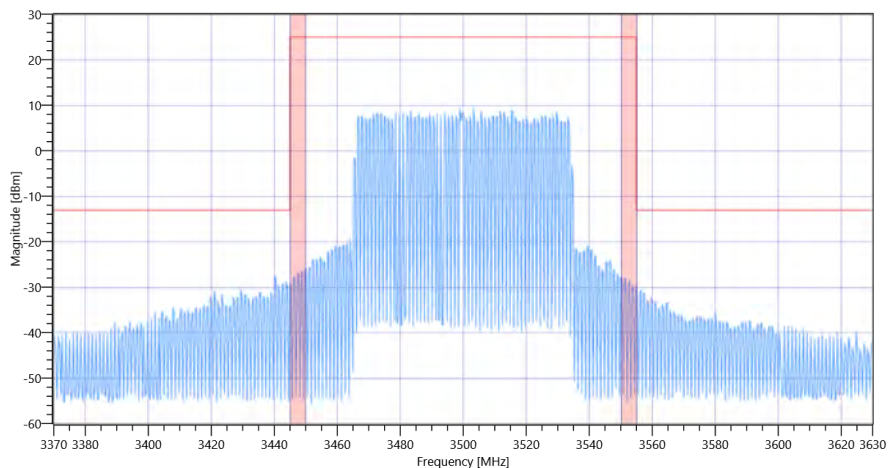
Sweep: Time [ms] | Count | Points per Section | Type 1600 | 1 | 1001 | SWE

RESULT Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 70, RB_100PCT, Mod: 64QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98

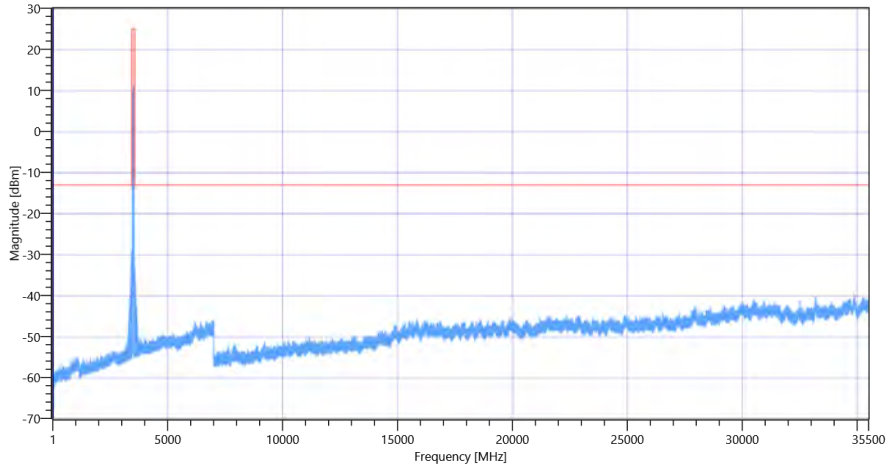
Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 70, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

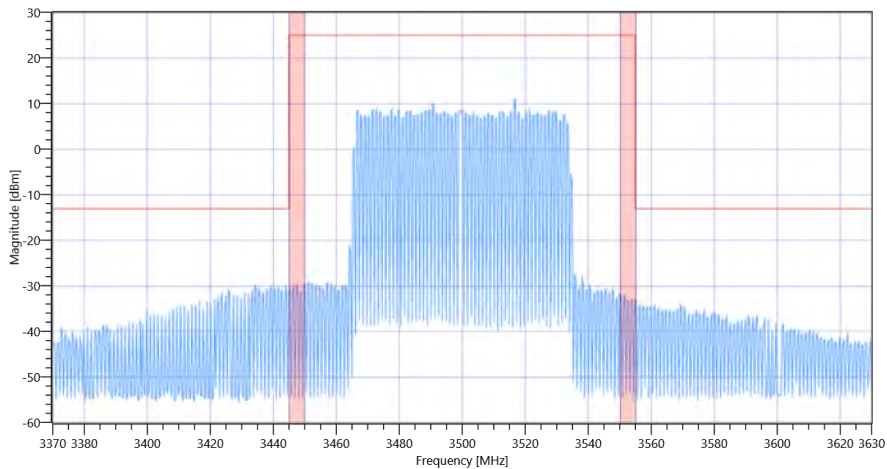
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-0.60 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 70, RB_100PCT, Mod: 256QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98

Test freq: high, UL[MHz]/CH 3514.98/634332, CBW [MHz]: 70, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

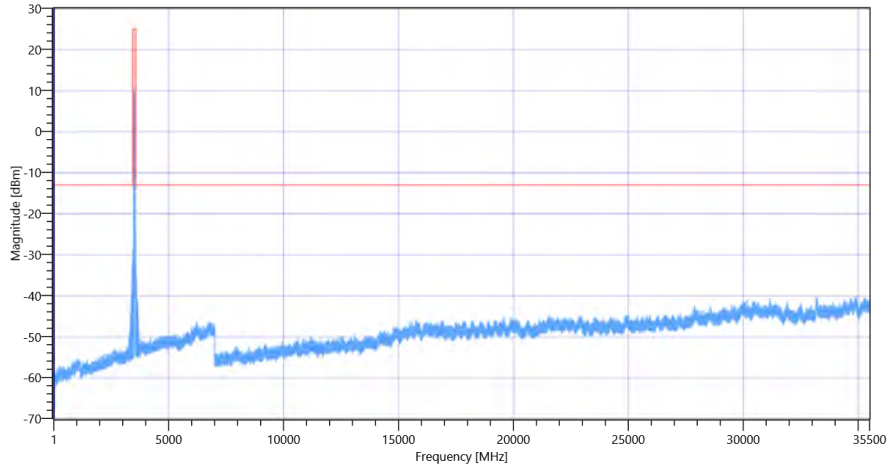
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.85 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: high, UL[MHz]/CH 3514.98/634332, CBW [MHz]: 70, RB_100PCT, Mod: QPSK

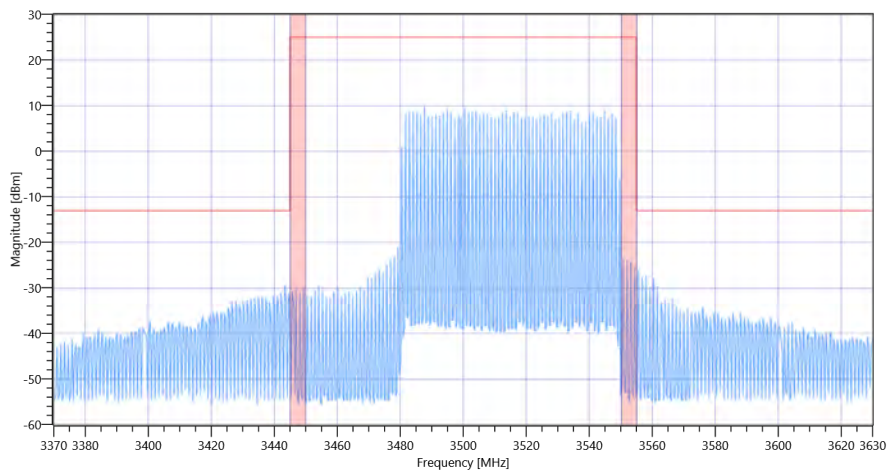
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
2022-12-15		Document 1-3977/22-03-21_Annex_MR			148/1190

RESULT Test freq: high, UL[MHz]/CH 3514.98/634332, CBW [MHz]: 70, RB_100PCT, Mod: QPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3514.98 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3514.98

Test freq: high, UL[MHz]/CH 3514.98/634332, CBW [MHz]: 70, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

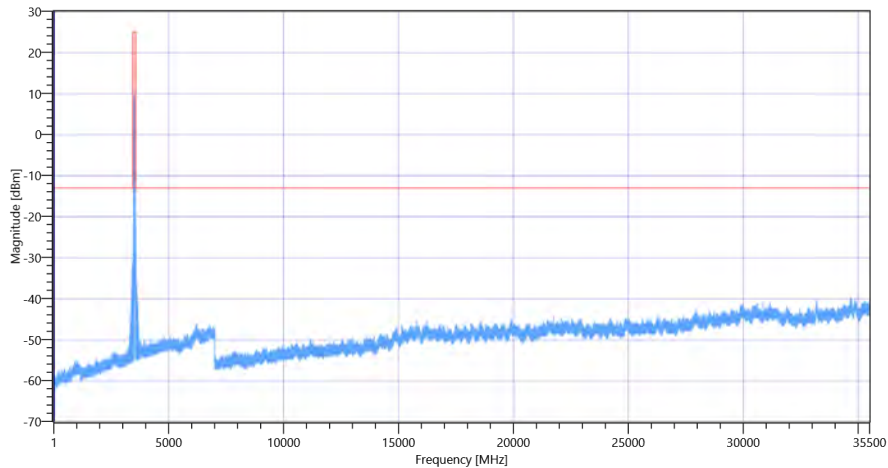
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-2.09 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: high, UL[MHz]/CH 3514.98/634332, CBW [MHz]: 70, RB_100PCT, Mod: 16QAM

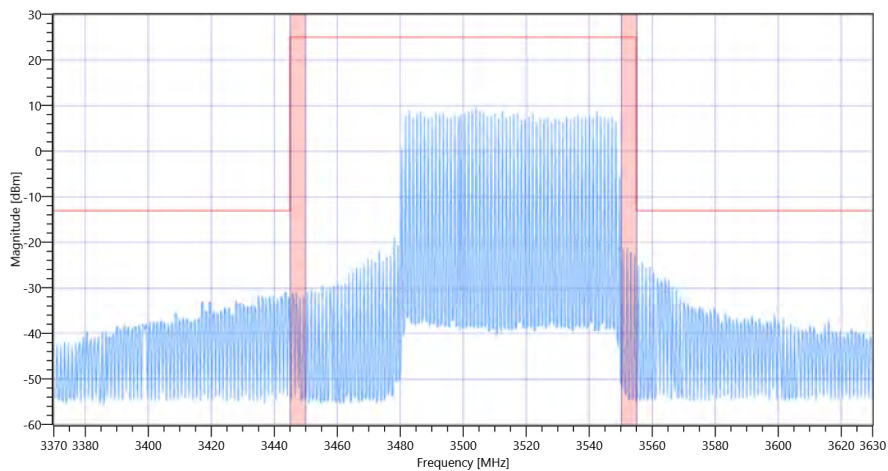
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
2022-12-15		Document 1-3977/22-03-21_Annex_MR			149/1190

RESULT Test freq: high, UL[MHz]/CH 3514.98/634332, CBW [MHz]: 70, RB_100PCT, Mod: 16QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3514.98 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3514.98

Test freq: high, UL[MHz]/CH 3514.98/634332, CBW [MHz]: 70, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

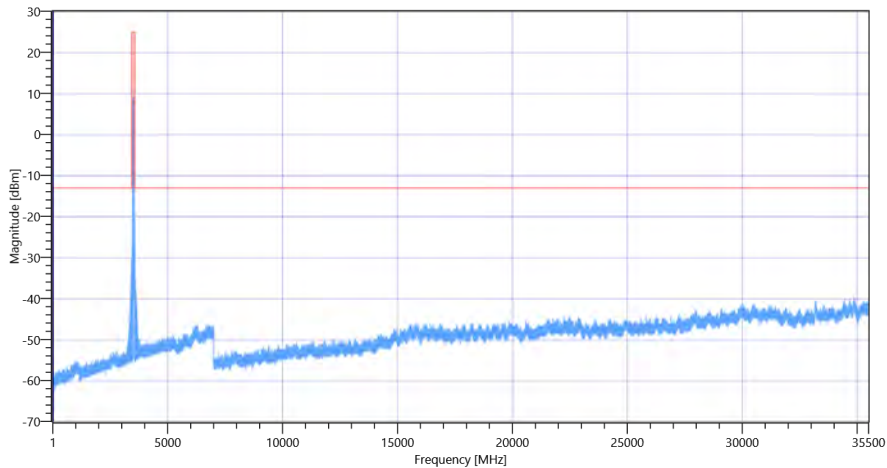
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.78 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: high, UL[MHz]/CH 3514.98/634332, CBW [MHz]: 70, RB_100PCT, Mod: 64QAM

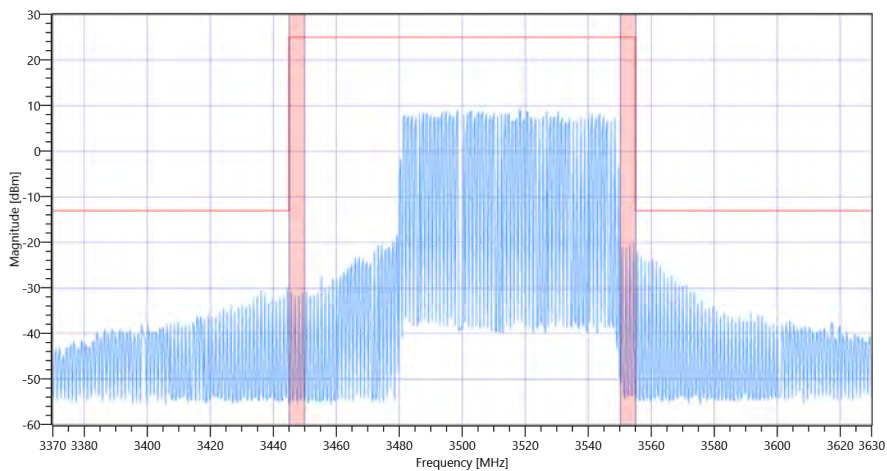
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
2022-12-15		Document 1-3977/22-03-21_Annex_MR			150/1190

RESULT Test freq: high, UL[MHz]/CH 3514.98/634332, CBW [MHz]: 70, RB_100PCT, Mod: 64QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3514.98 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3514.98

Test freq: high, UL[MHz]/CH 3514.98/634332, CBW [MHz]: 70, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

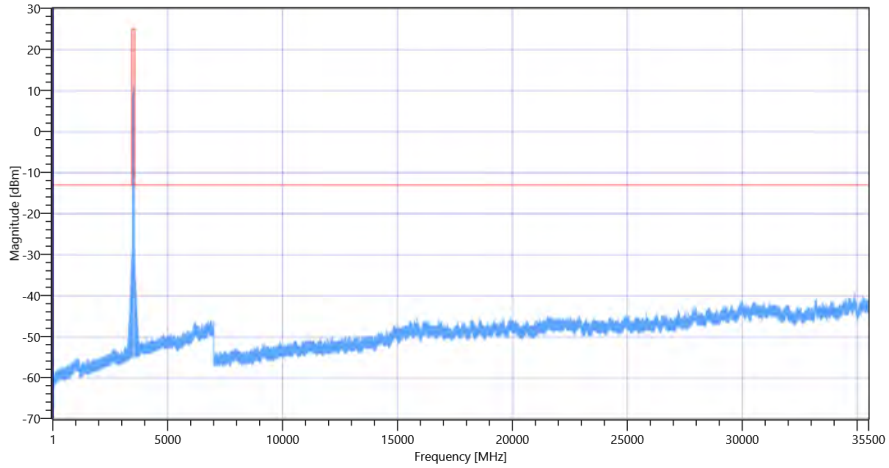
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-0.54 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: high, UL[MHz]/CH 3514.98/634332, CBW [MHz]: 70, RB_100PCT, Mod: 256QAM

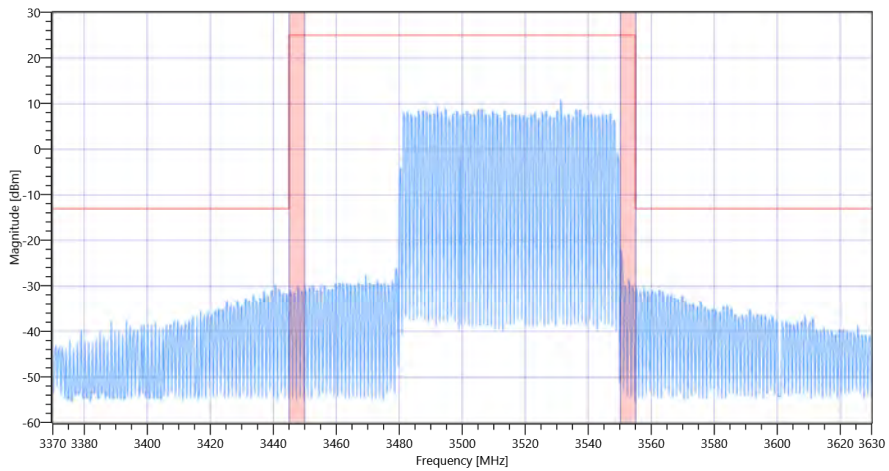
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
2022-12-15		Document 1-3977/22-03-21_Annex_MR			151/1190

RESULT Test freq: high, UL[MHz]/CH 3514.98/634332, CBW [MHz]: 70, RB_100PCT, Mod: 256QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3514.98 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3514.98

Test at BW [MHz]: 80

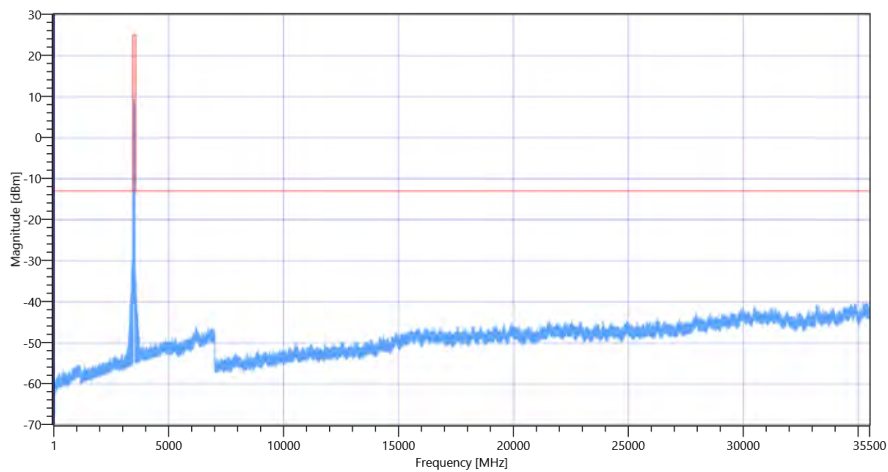
Test freq: low, UL[MHz]/CH 3490.02/632668, CBW [MHz]: 80, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

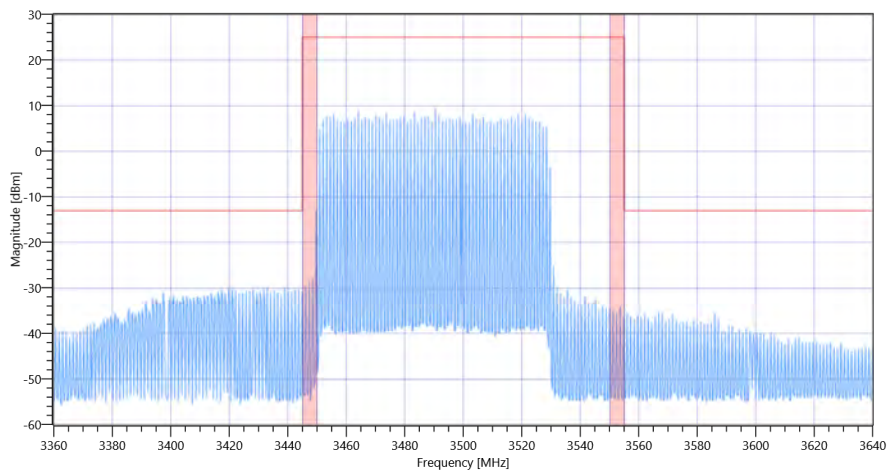
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-2.17 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 3490.02/632668, CBW [MHz]: 80, RB_100PCT, Mod: QPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3490.02 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3490.02

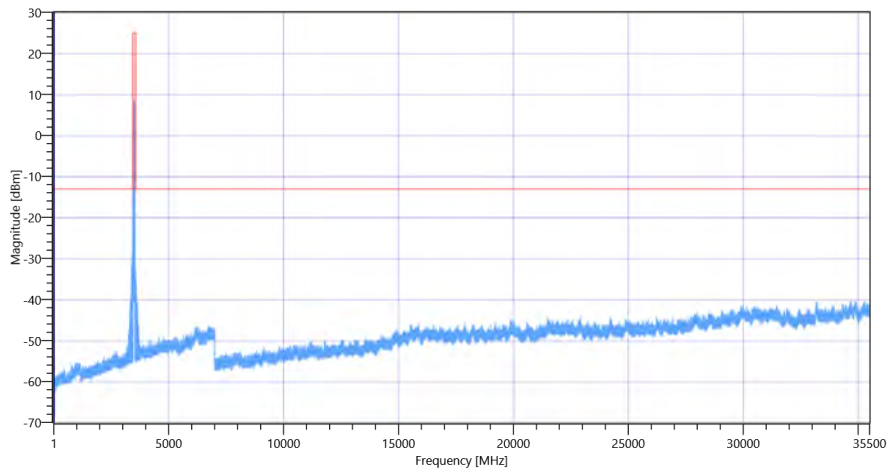
Test freq: low, UL[MHz]/CH 3490.02/632668, CBW [MHz]: 80, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

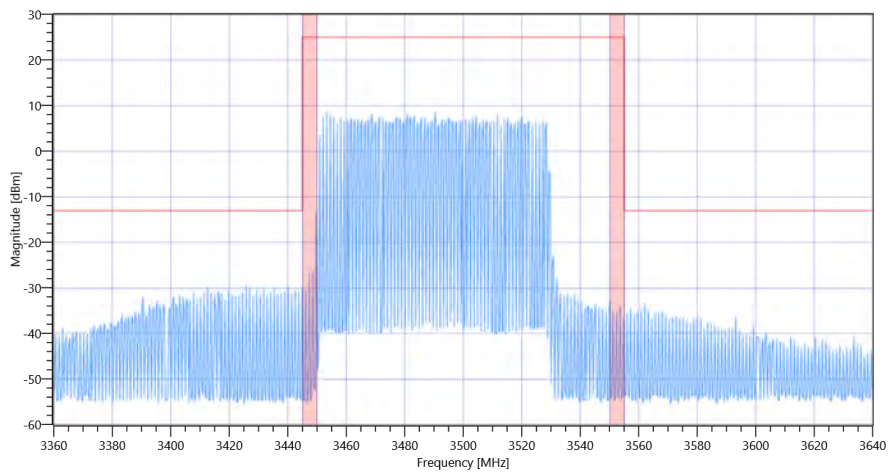
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-2.67 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 3490.02/632668, CBW [MHz]: 80, RB_100PCT, Mod: 16QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3490.02 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3490.02

Test freq: low, UL[MHz]/CH 3490.02/632668, CBW [MHz]: 80, RB_100PCT, Mod: 64QAM

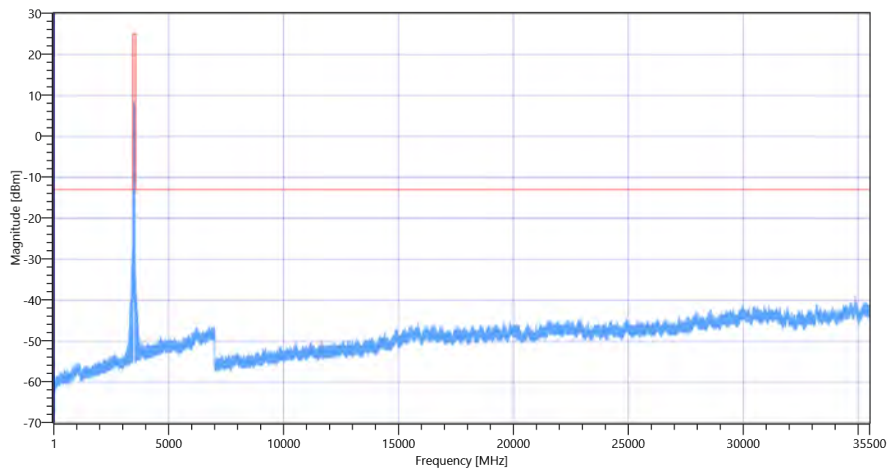
READ SA SETTINGS:

READ SA SETTINGS:

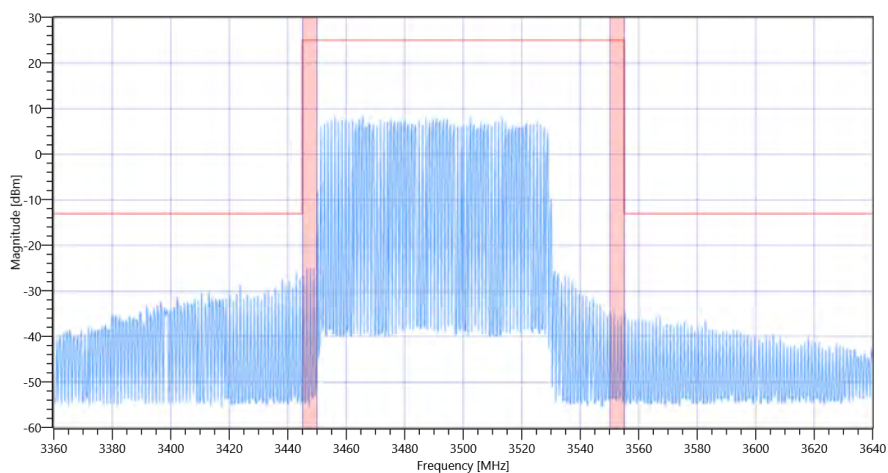
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-3.16 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 3490.02/632668, CBW [MHz]: 80, RB_100PCT, Mod: 64QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3490.02 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3490.02

Test freq: low, UL[MHz]/CH 3490.02/632668, CBW [MHz]: 80, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

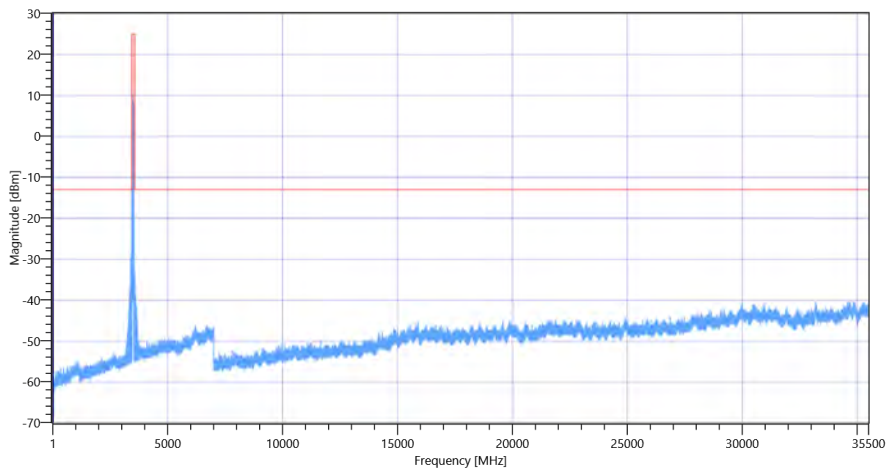
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.40 0 15
--	----------------

READ SA SETTINGS:

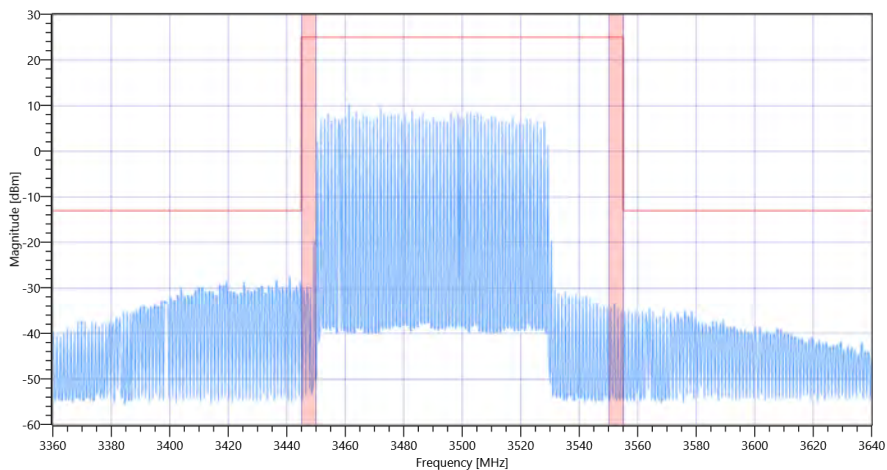
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 3490.02/632668, CBW [MHz]: 80, RB_100PCT, Mod: 256QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3490.02 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3490.02

Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 80, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

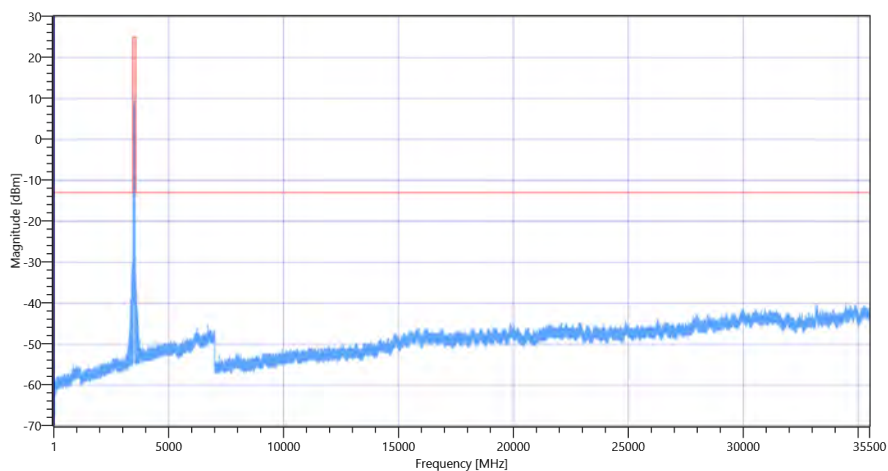
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-2.25 0 15
Start [MHz] Stop [MHz]	1.000 401.000

READ SA SETTINGS:

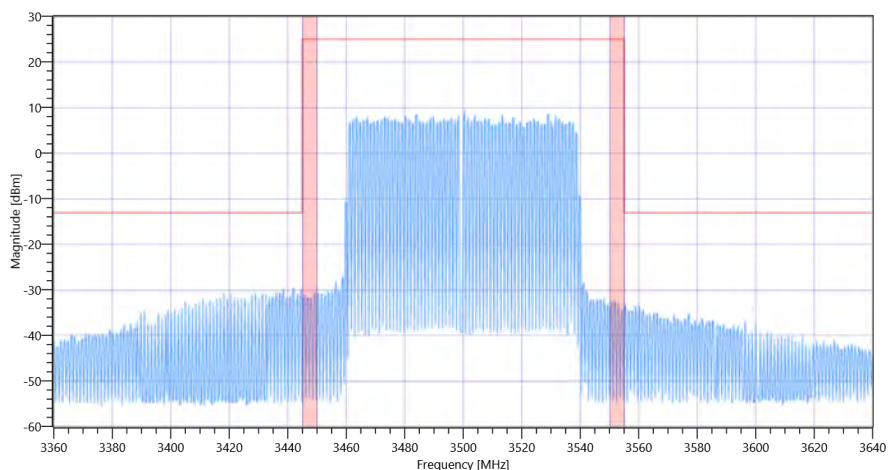
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 80, RB_100PCT, Mod: QPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98

Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 80, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

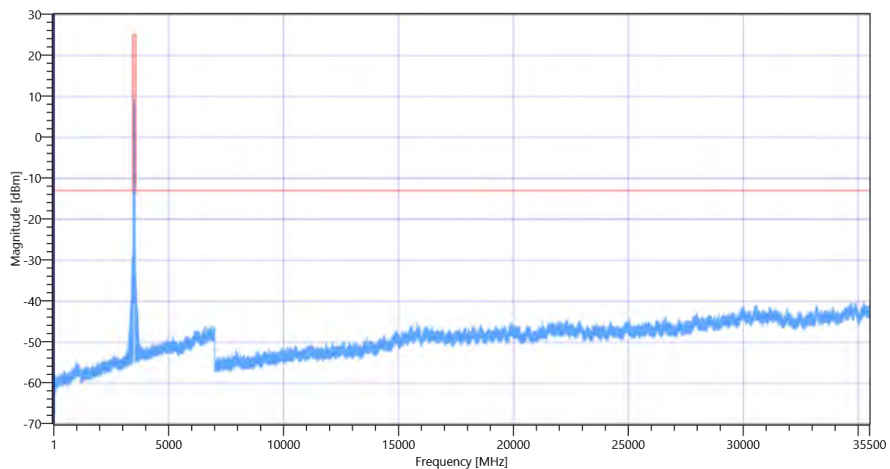
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-2.56 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000

READ SA SETTINGS:

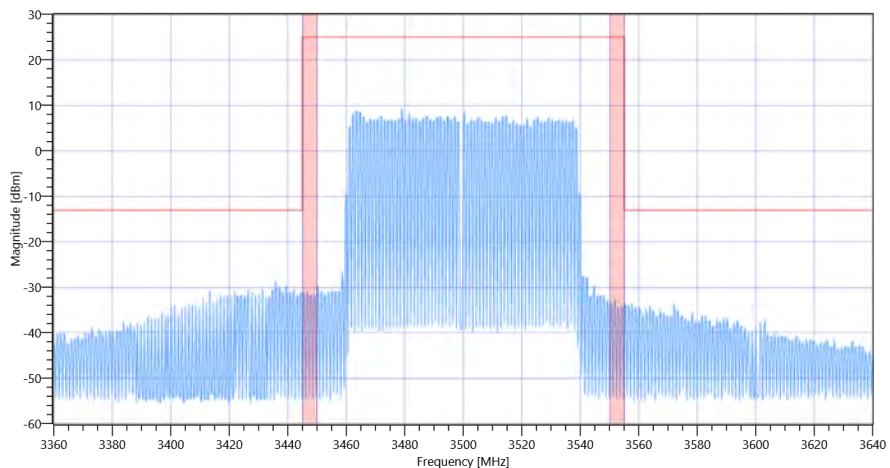
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 80, RB_100PCT, Mod: 16QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98

Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 80, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

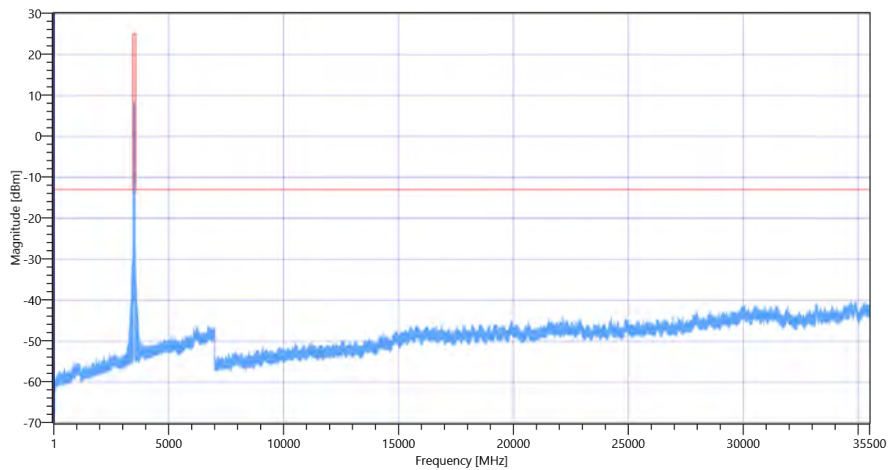
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-3.03 0 15
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH

READ SA SETTINGS:

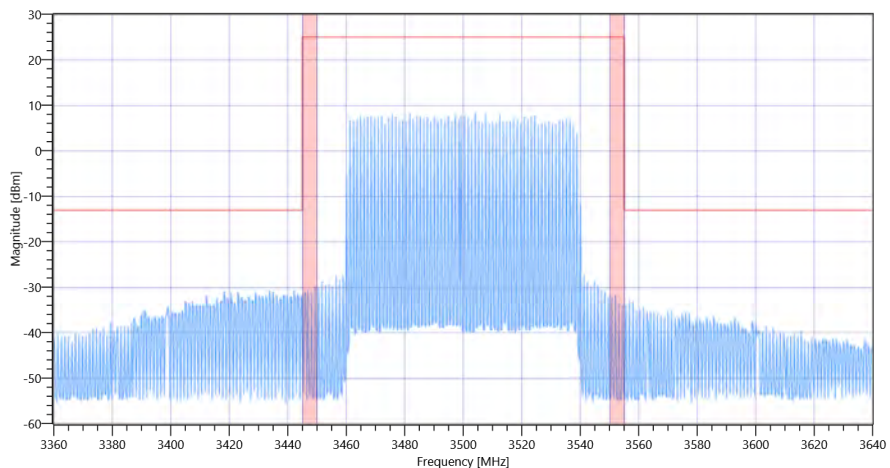
Sweep: Time [ms] | Count | Points per Section | Type 1600 | 1 | 1001 | SWE

RESULT Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 80, RB_100PCT, Mod: 64QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98

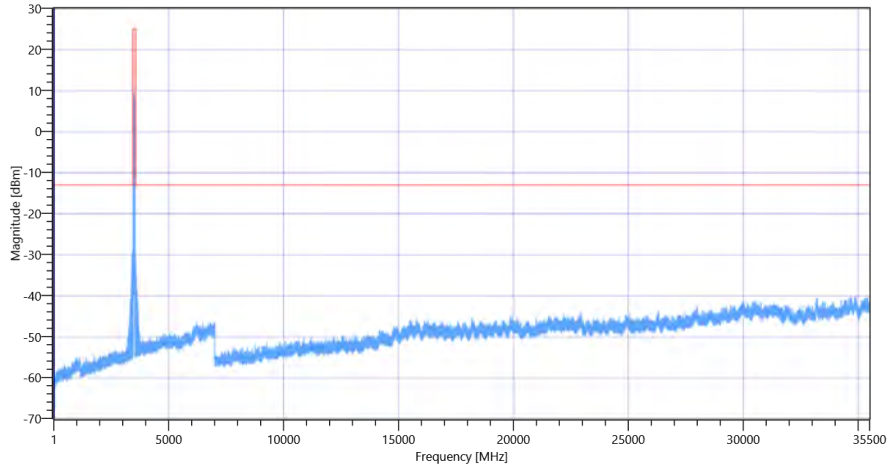
Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 80, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

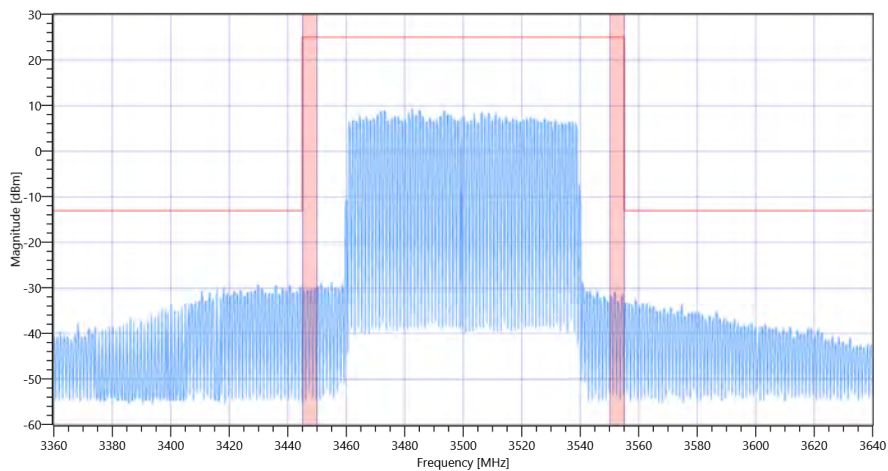
RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB] -1.16 | 0 | 15
 Start [MHz] | Stop [MHz] 1.000 | 401.000
 RBW [MHz] | VBW [MHz] 1.000000 | 3.000000
 Detector | TraceMode POS | MAXH
 Sweep: Time [ms] | Count | Points per Section | Type 1600 | 1 | 1001 | SWE

RESULT Test freq: mid, UL[MHz]/CH 3499.98/633332, CBW [MHz]: 80, RB_100PCT, Mod: 256QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3499.98

Test freq: high, UL[MHz]/CH 3510/634000, CBW [MHz]: 80, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-2.41 0 15
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: high, UL[MHz]/CH 3510/634000, CBW [MHz]: 80, RB_100PCT, Mod: QPSK

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
2022-12-15		Document 1-3977/22-03-21_Annex_MR			160/1190