

Test at BW [MHz]: 40

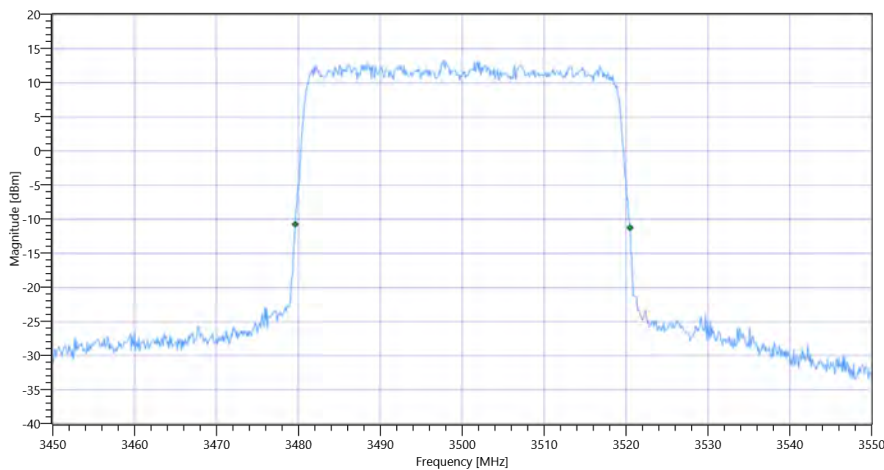
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB\_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.76   0   30
Start [MHz]   Stop [MHz]	3450.000   3550.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.9	MHz	INFO



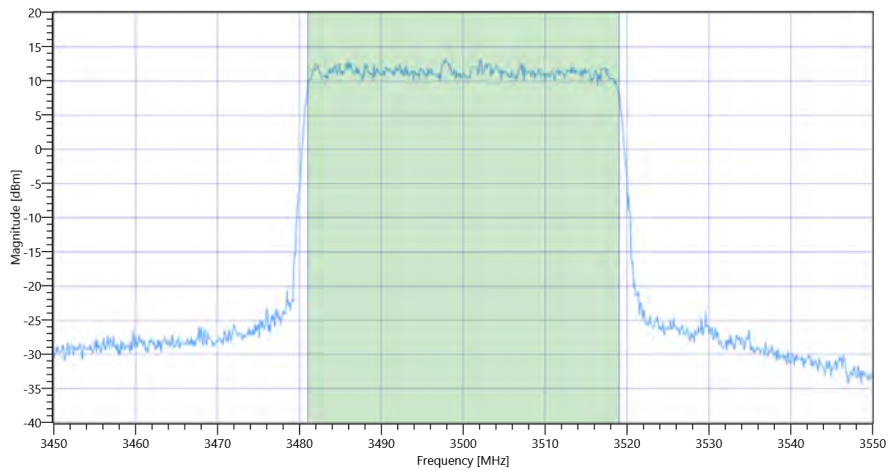
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.76   0   30
Start [MHz]   Stop [MHz]	3450.000   3550.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	37.962	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

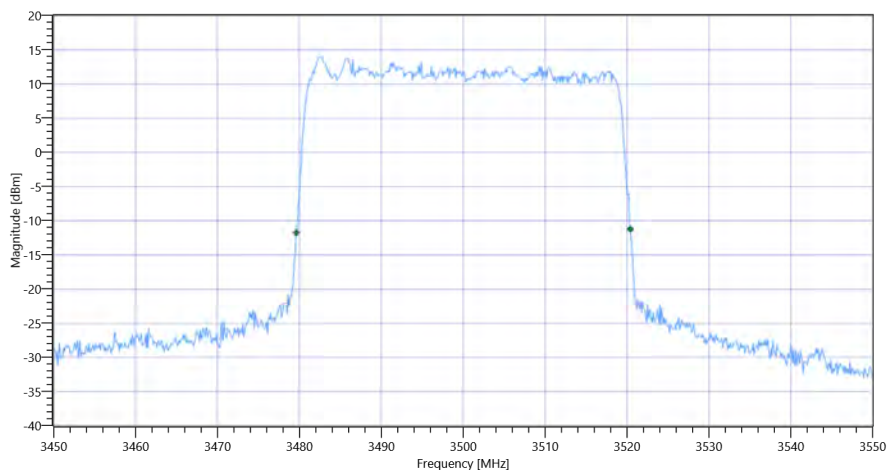
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.35   0   30
Start [MHz]   Stop [MHz]	3450.000   3550.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.8	MHz	INFO



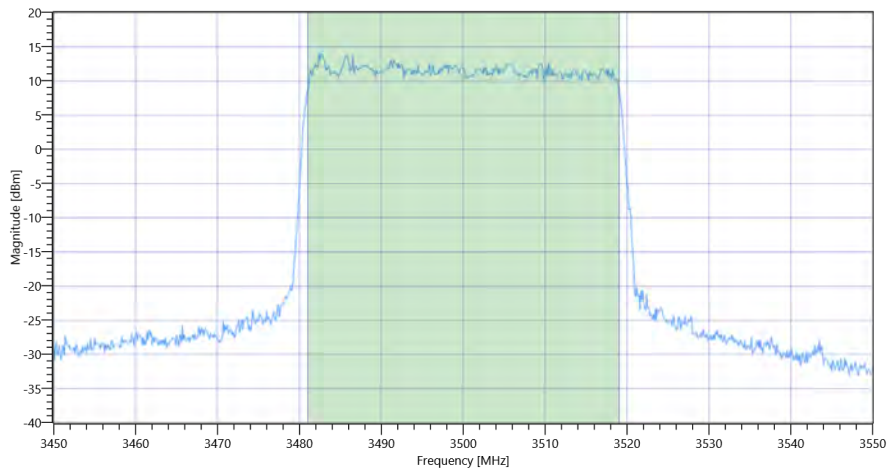
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.35   0   30
Start [MHz]   Stop [MHz]	3450.000   3550.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	37.962	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

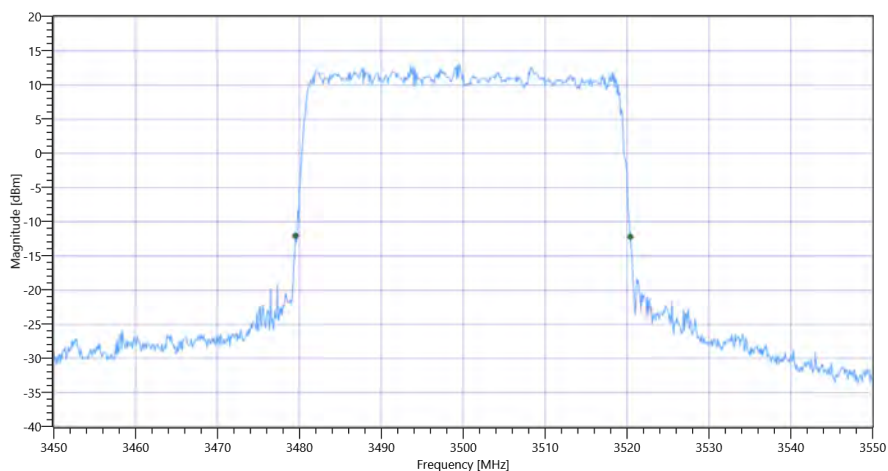
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	12.48   0   30
Start [MHz]   Stop [MHz]	3450.000   3550.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.9	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

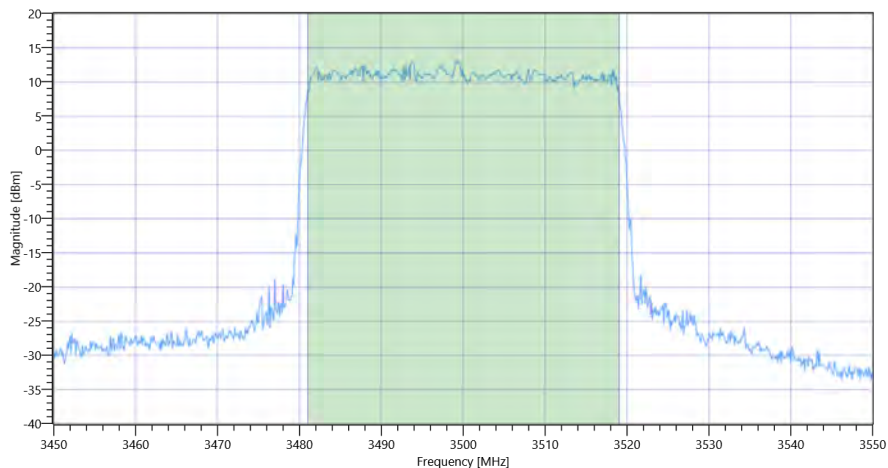
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	12.48   0   30
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**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3450.000   3550.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	37.962	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

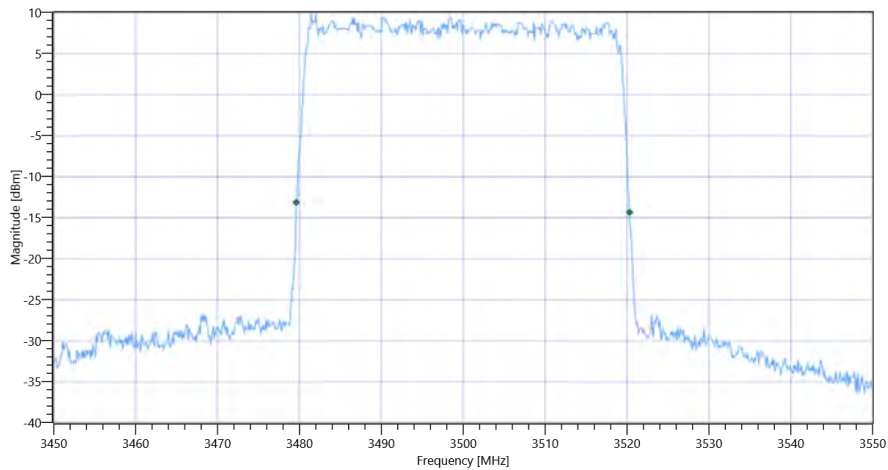
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB\_100PCT, Mod: 256QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.71   0   25
Start [MHz]   Stop [MHz]	3450.000   3550.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.7	MHz	INFO



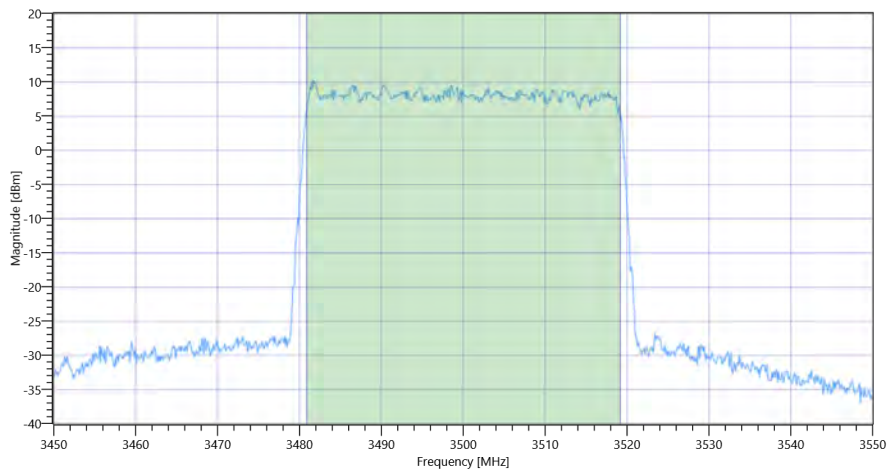
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.71   0   25
Start [MHz]   Stop [MHz]	3450.000   3550.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	38.262	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	01.07.2022 00:43:51
Ambit Temp [°C]   Humidity [rel%]	24.8   46
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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

Test at BW [MHz]: 50

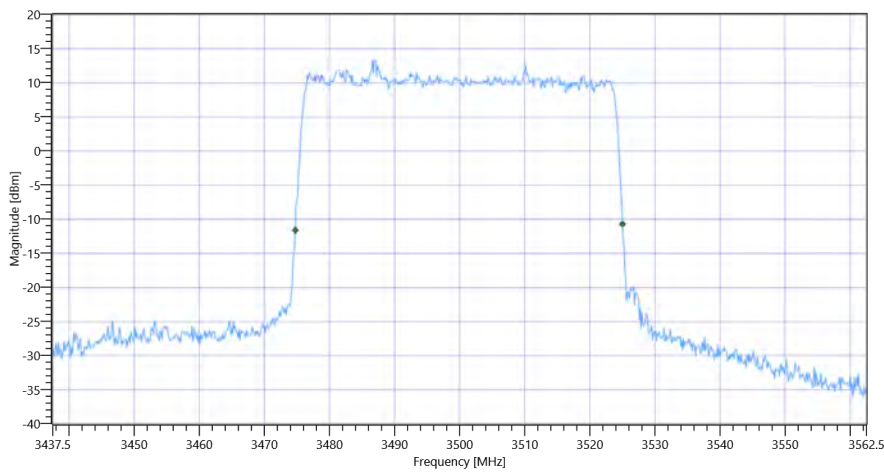
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB\_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.69   0   30
Start [MHz]   Stop [MHz]	3437.500   3562.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	50.25	MHz	INFO



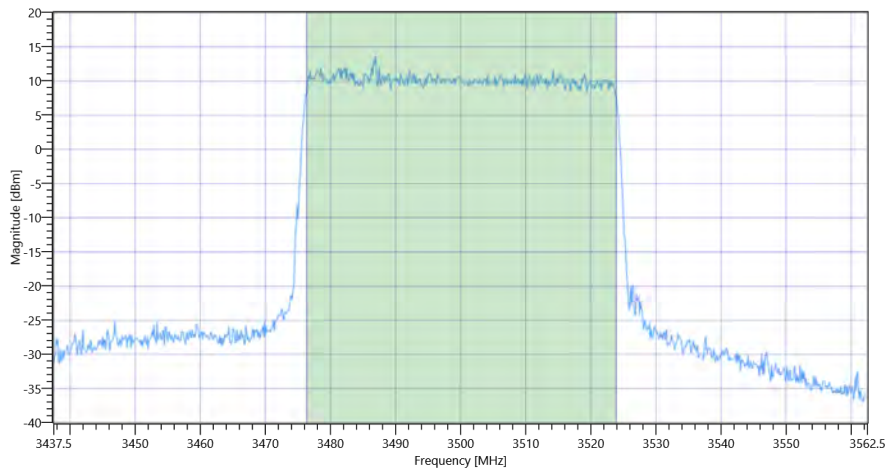
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.69   0   25
Start [MHz]   Stop [MHz]	3437.500   3562.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	47.577	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

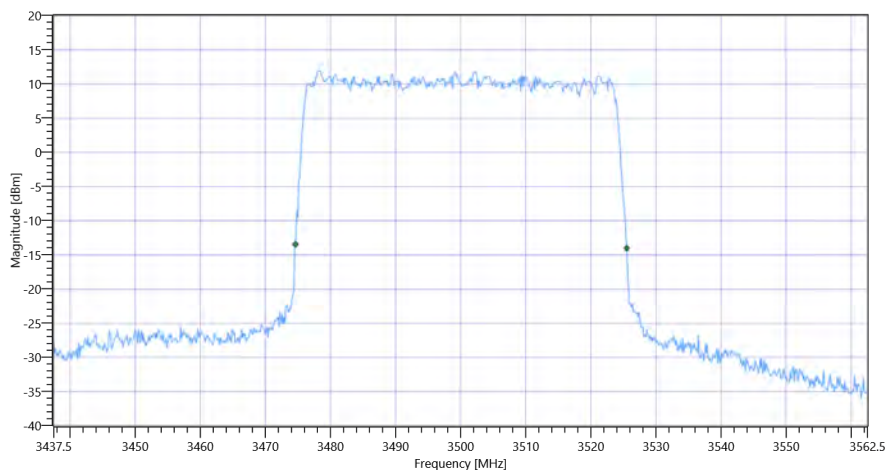
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.36   0   30
Start [MHz]   Stop [MHz]	3437.500   3562.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	50.875	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

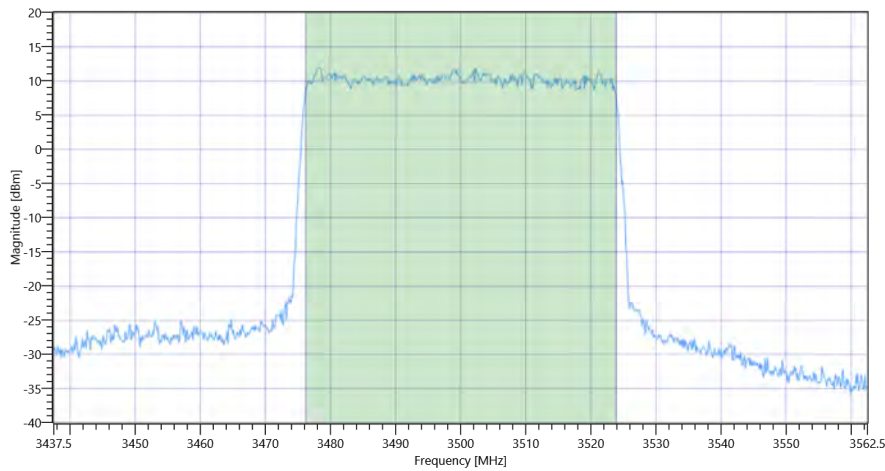
**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.36   0   30
Start [MHz]   Stop [MHz]	3437.500   3562.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE



**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	47.702	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

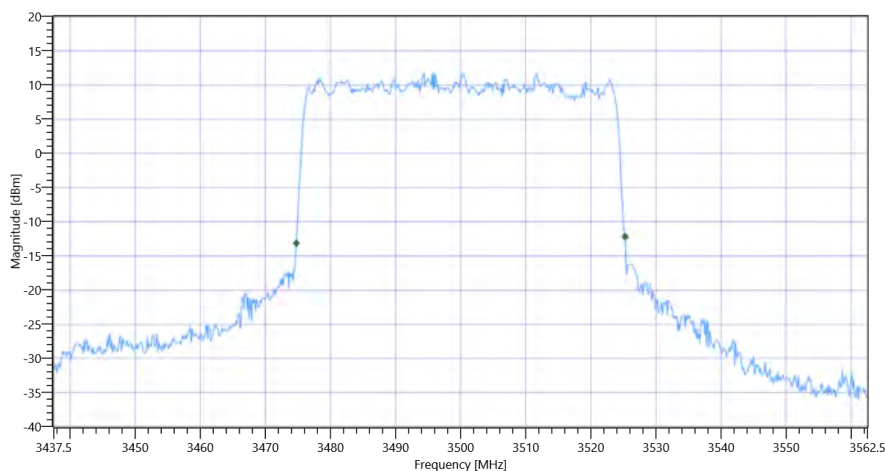
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.97   0   25
Start [MHz]   Stop [MHz]	3437.500   3562.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	50.5	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

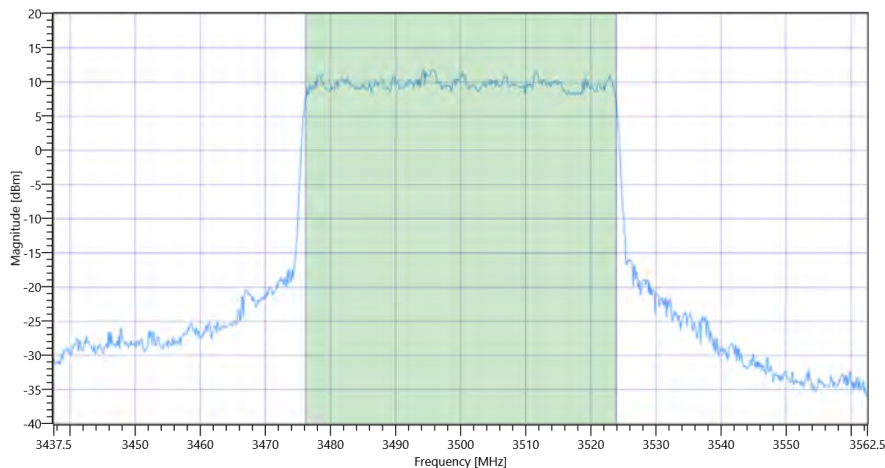
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.97   0   25
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**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3437.500   3562.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	47.702	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

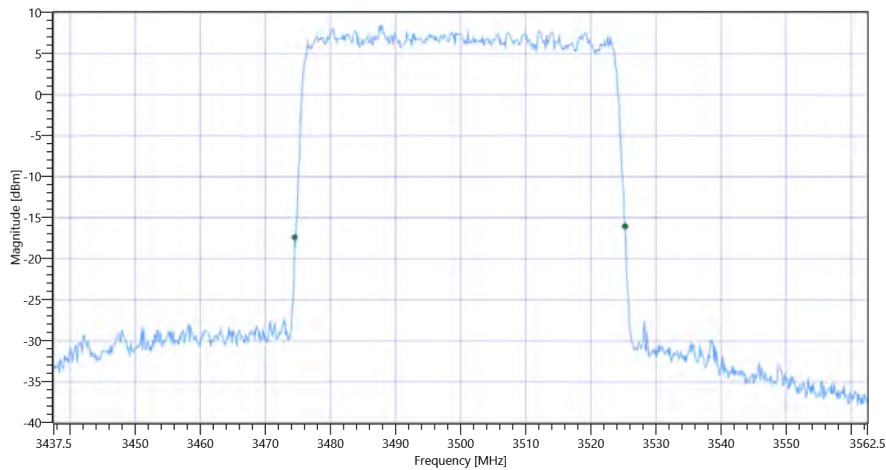
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB\_100PCT, Mod: 256QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.88   0   25
Start [MHz]   Stop [MHz]	3437.500   3562.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	50.75	MHz	INFO



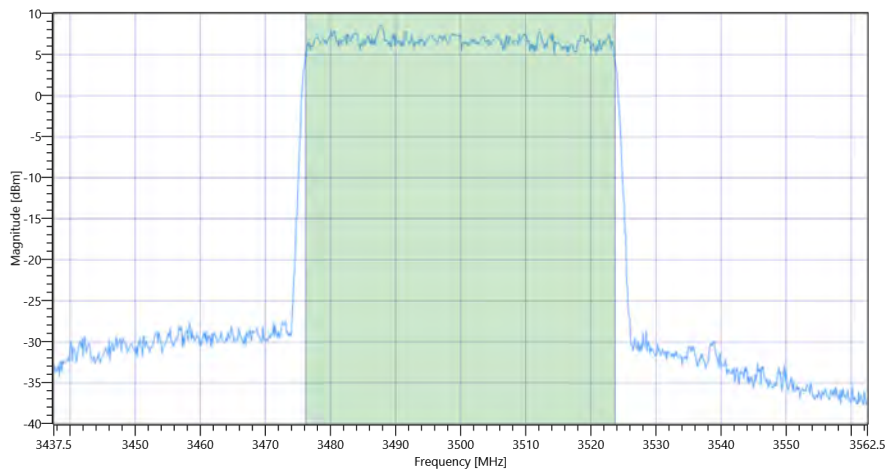
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.88   0   25
Start [MHz]   Stop [MHz]	3437.500   3562.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	47.577	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	01.07.2022 00:16:20
Ambit Temp [°C]   Humidity [rel%]	24.9   46
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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

Test at BW [MHz]: 60

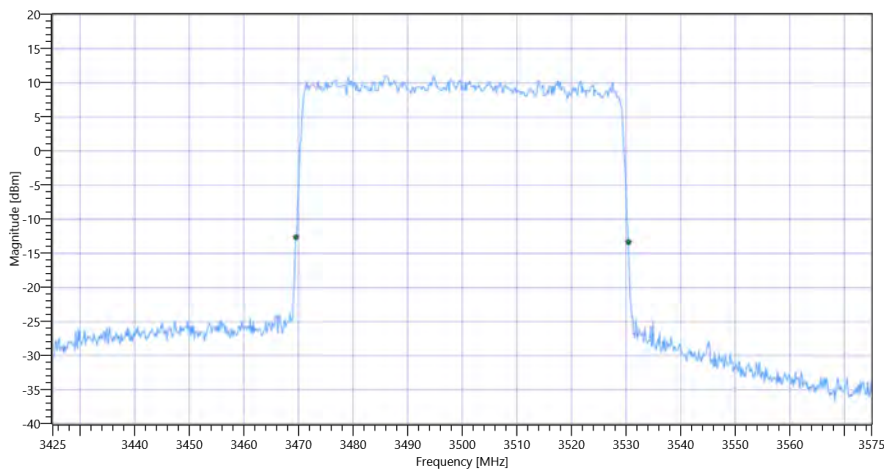
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB\_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.30   0   30
Start [MHz]   Stop [MHz]	3425.000   3575.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	60.9	MHz	INFO



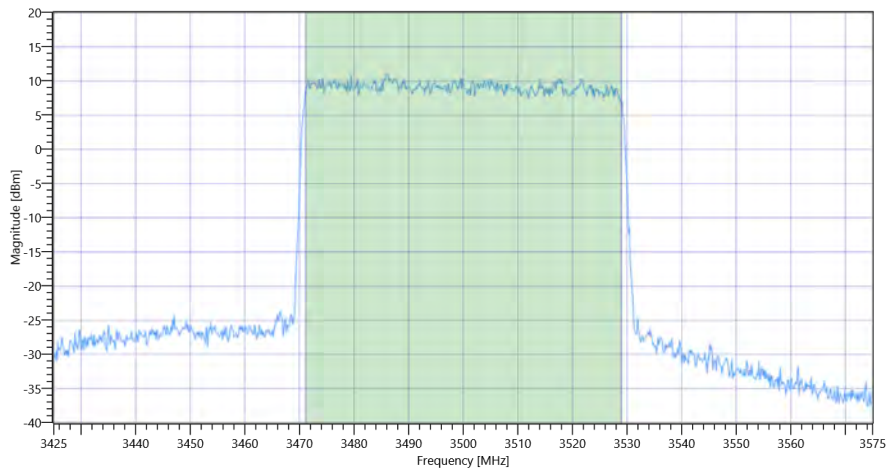
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.30   0   25
Start [MHz]   Stop [MHz]	3425.000   3575.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	57.842	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

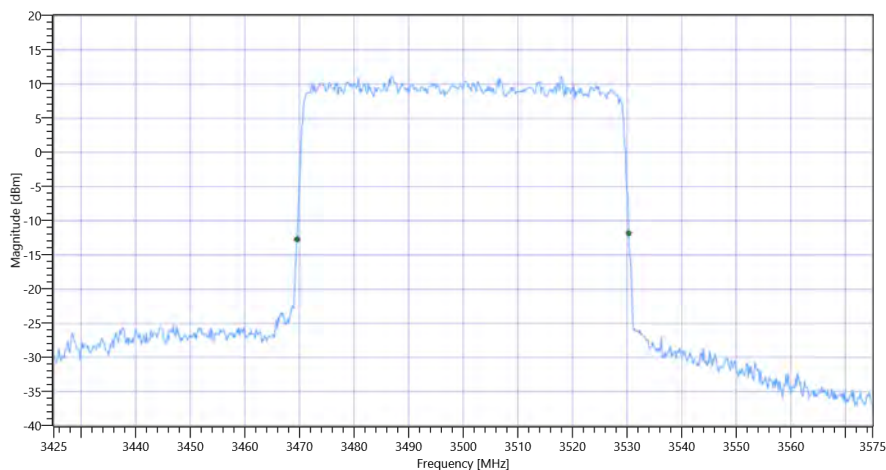
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.53   0   25
Start [MHz]   Stop [MHz]	3425.000   3575.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

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



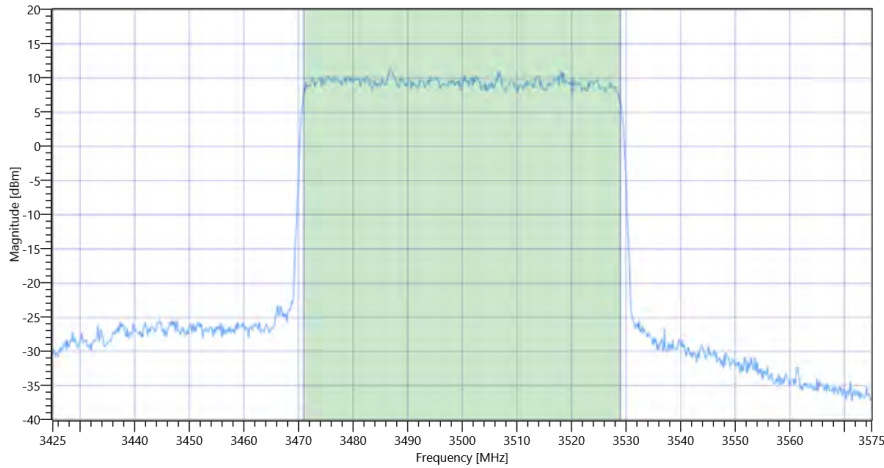
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.53   0   25
Start [MHz]   Stop [MHz]	3425.000   3575.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	57.992	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

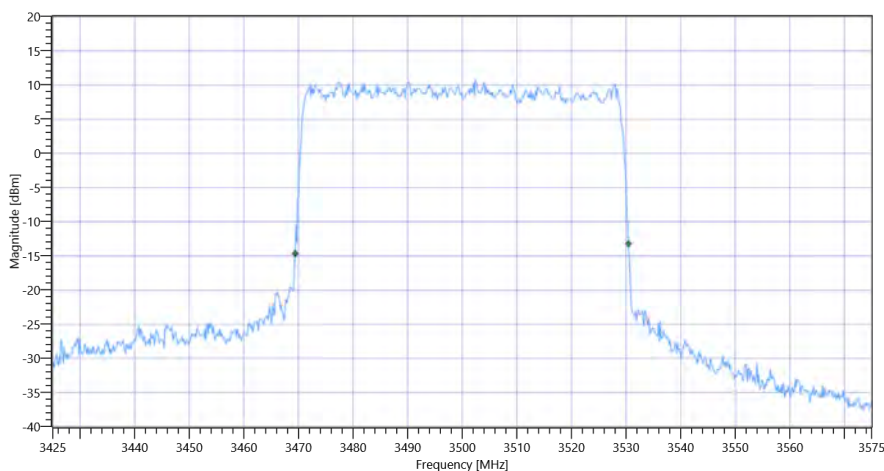
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.14   0   25
Start [MHz]   Stop [MHz]	3425.000   3575.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	61.05	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

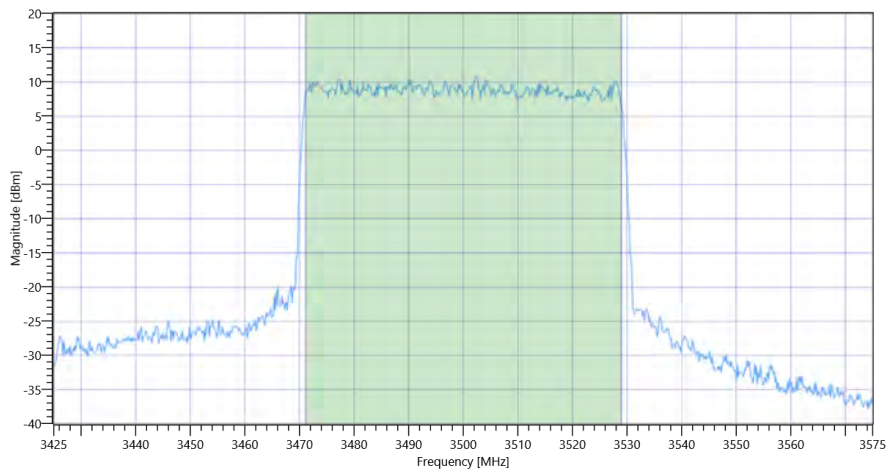
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.14   0   25
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**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3425.000   3575.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	57.842	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB\_100PCT, Mod: 256QAM

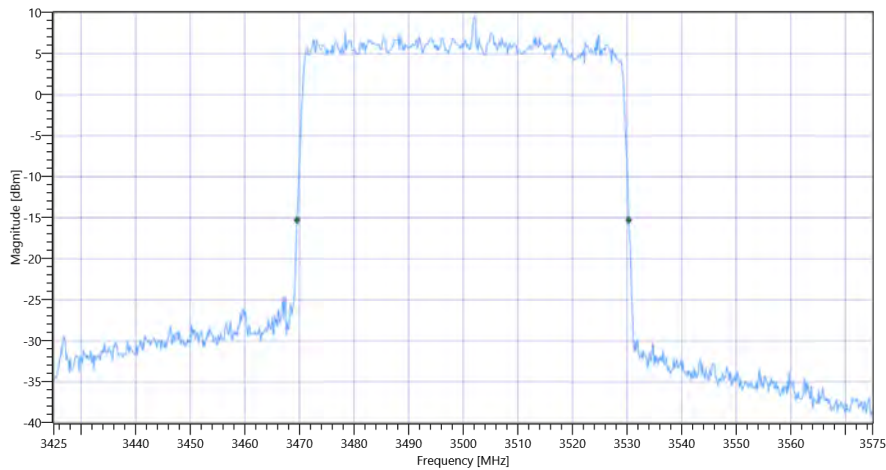
**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.06   0   25
Start [MHz]   Stop [MHz]	3425.000   3575.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

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





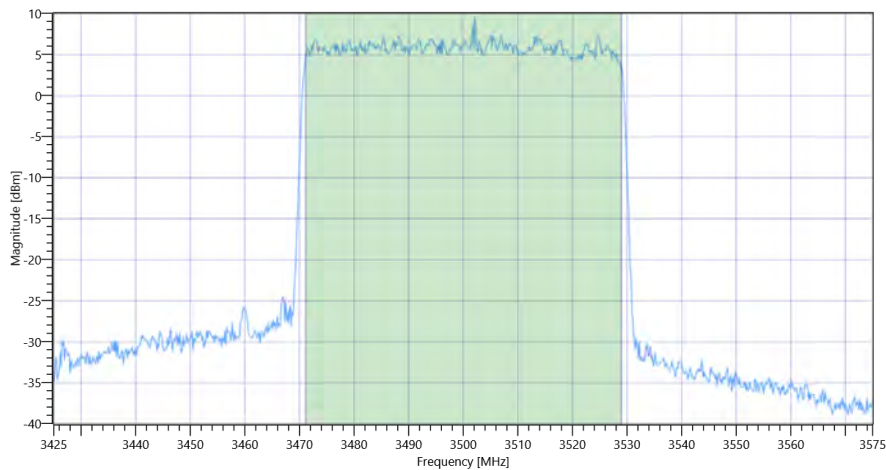
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.06   0   25
Start [MHz]   Stop [MHz]	3425.000   3575.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	57.842	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 23:48:50
Ambit Temp [°C]   Humidity [rel%]	25.1   46
System Version	3.2.0.2
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	

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

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

Test at BW [MHz]: 70

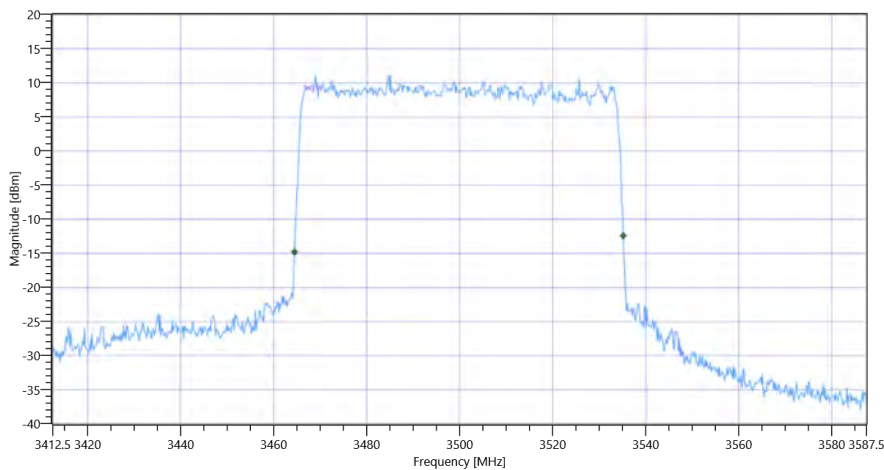
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB\_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.89   0   25
Start [MHz]   Stop [MHz]	3412.500   3587.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	70.7	MHz	INFO



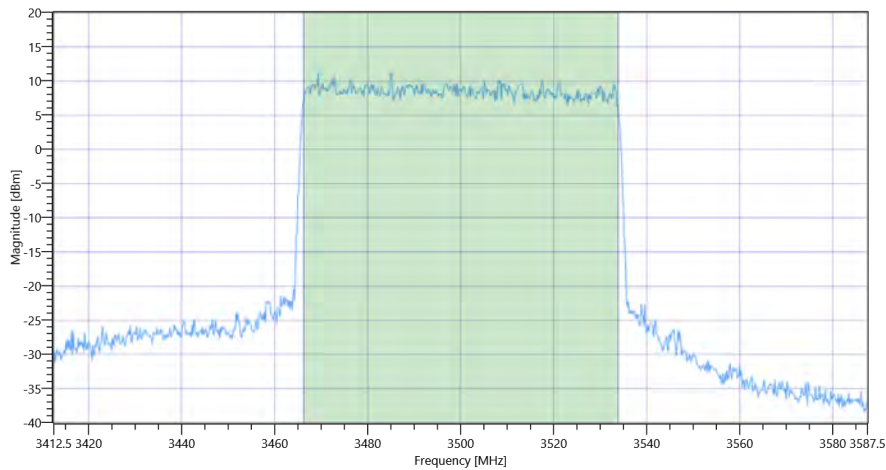
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.89   0   25
Start [MHz]   Stop [MHz]	3412.500   3587.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	67.483	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

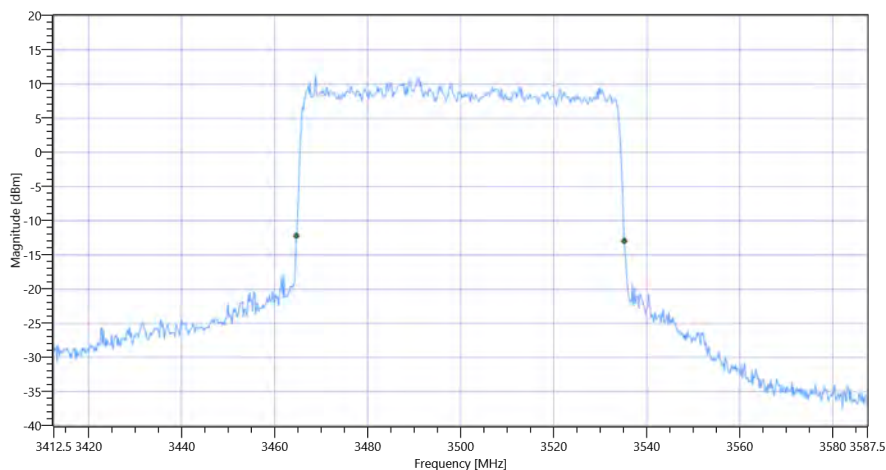
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.28   0   25
Start [MHz]   Stop [MHz]	3412.500   3587.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	70.525	MHz	INFO



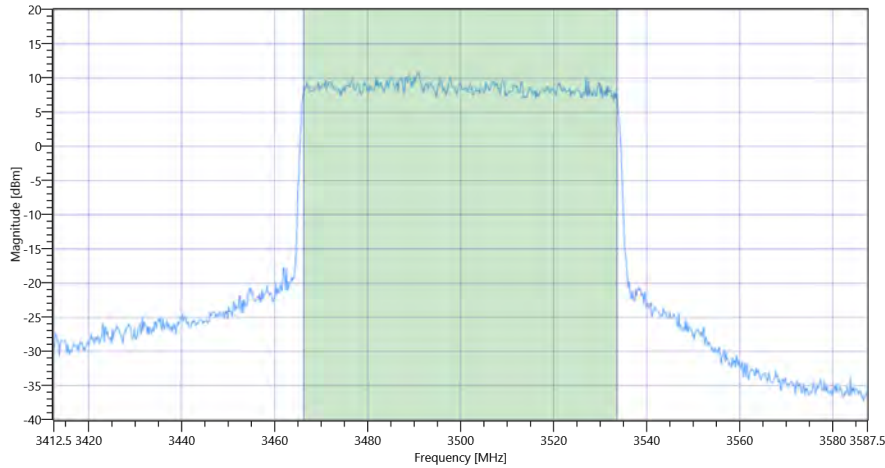
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.28   0   25
Start [MHz]   Stop [MHz]	3412.500   3587.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	67.483	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

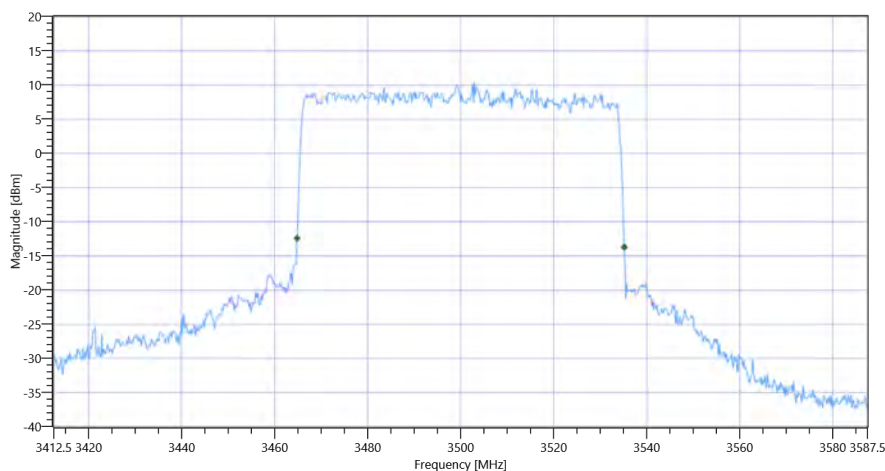
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.82   0   25
Start [MHz]   Stop [MHz]	3412.500   3587.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	70.35	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

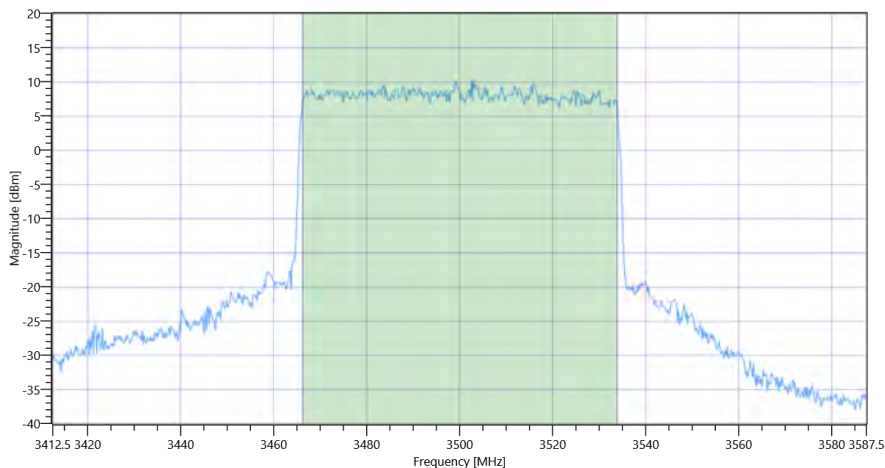
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.82   0   25
--	---------------

**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3412.500   3587.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	67.483	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

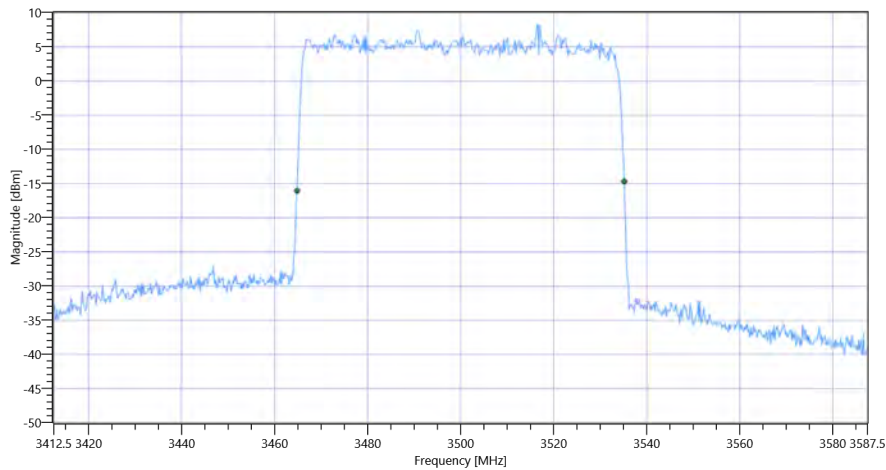
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB\_100PCT, Mod: 256QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.02   0   25
Start [MHz]   Stop [MHz]	3412.500   3587.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	70.35	MHz	INFO



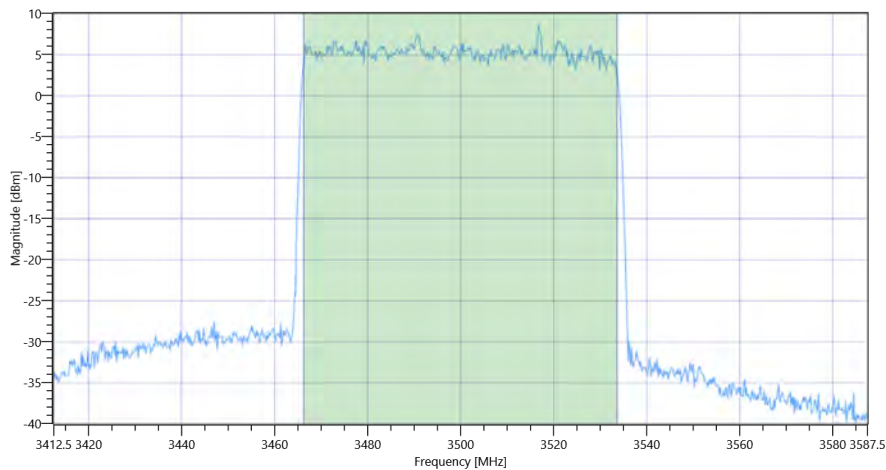
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.02   0   25
Start [MHz]   Stop [MHz]	3412.500   3587.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	67.308	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 23:21:21
Ambit Temp [°C]   Humidity [rel%]	25.2   45
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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



Test at BW [MHz]: 80

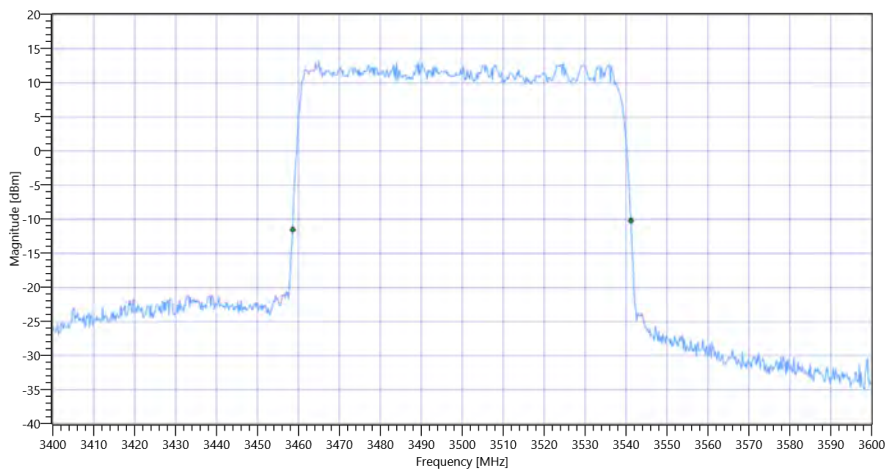
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 80, RB\_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.05   0   25
Start [MHz]   Stop [MHz]	3400.000   3600.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

RESULT 26 dB

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



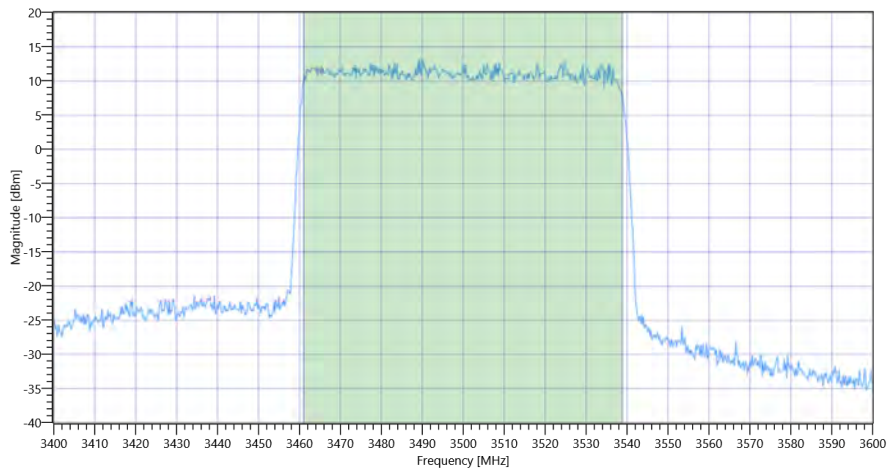
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.05   0   25
Start [MHz]   Stop [MHz]	3400.000   3600.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	77.922	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

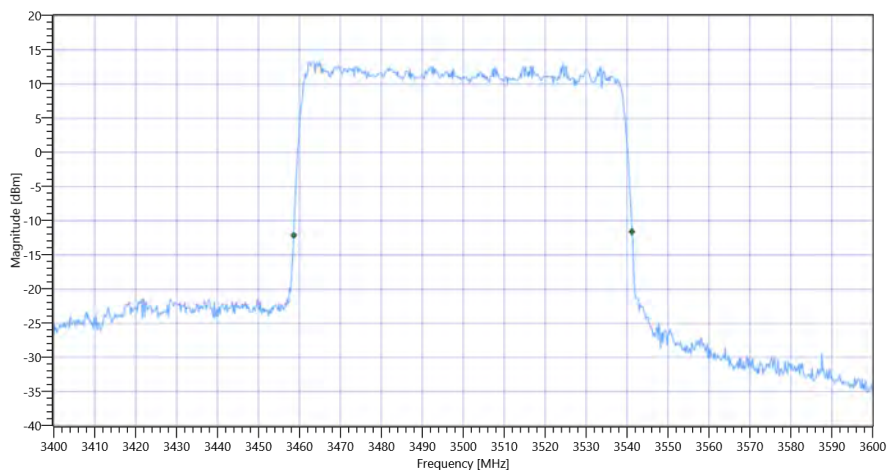
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 80, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.72   0   25
Start [MHz]   Stop [MHz]	3400.000   3600.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

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



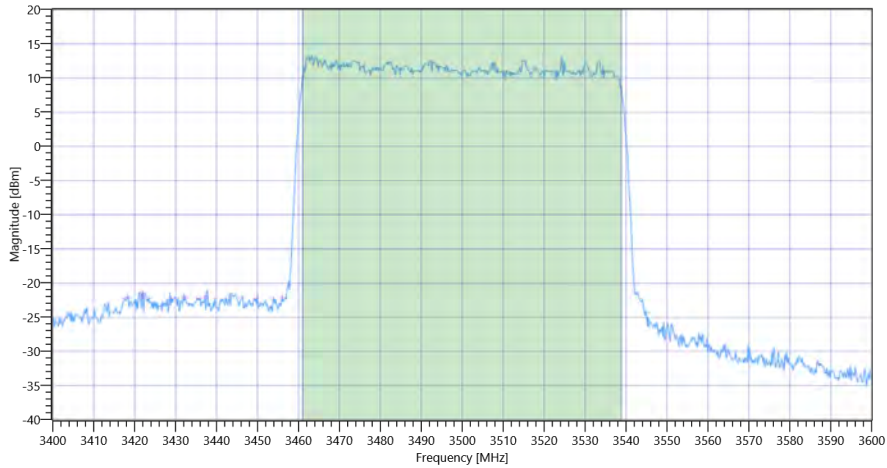
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.72   0   25
Start [MHz]   Stop [MHz]	3400.000   3600.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	77.922	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

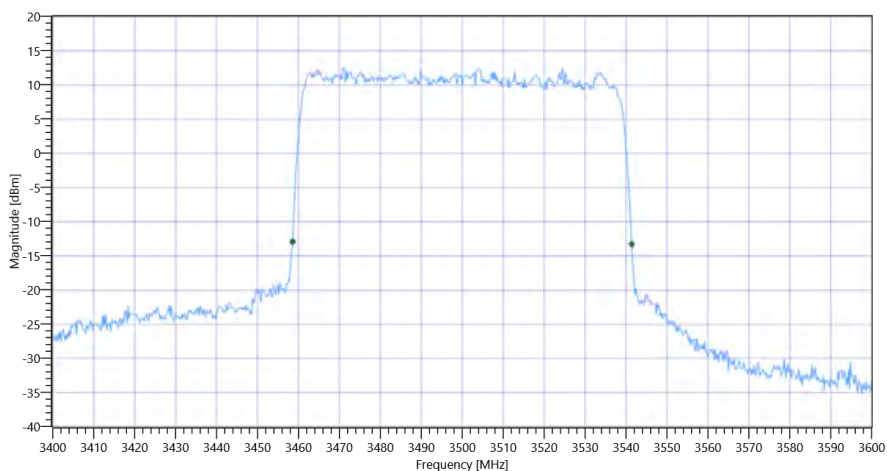
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 80, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.72   0   25
Start [MHz]   Stop [MHz]	3400.000   3600.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	82.8	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

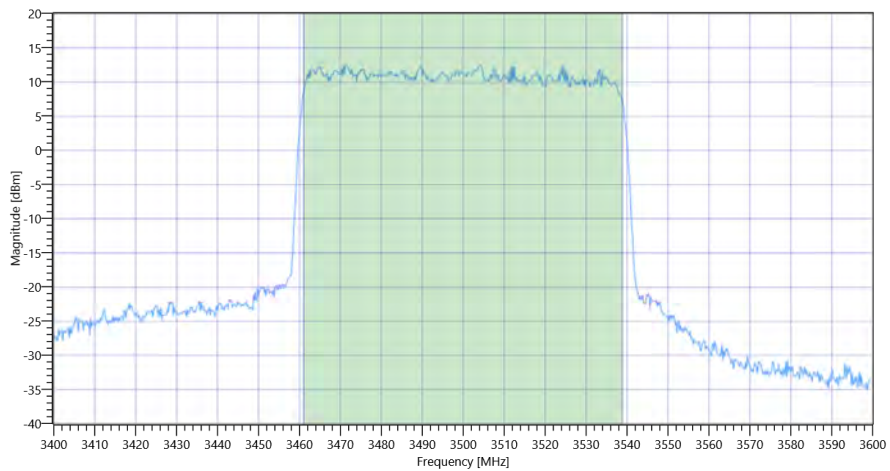
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.72   0   25
--	---------------

**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3400.000   3600.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	77.722	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

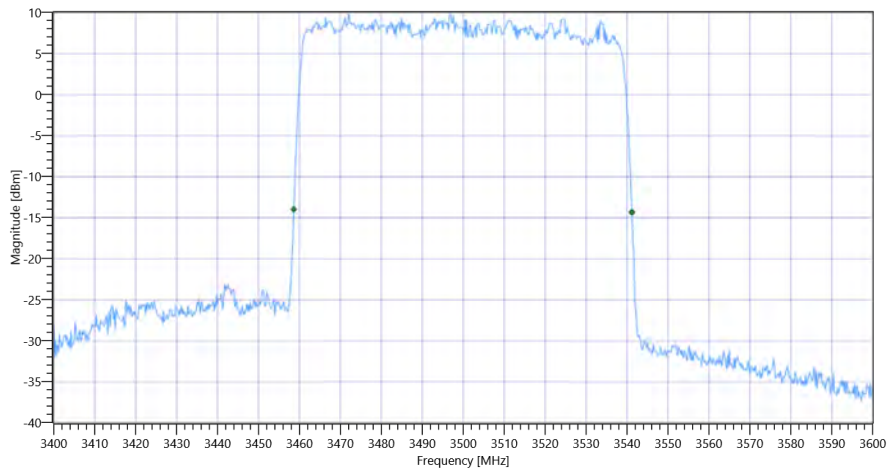
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 80, RB\_100PCT, Mod: 256QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.54   0   25
Start [MHz]   Stop [MHz]	3400.000   3600.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

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



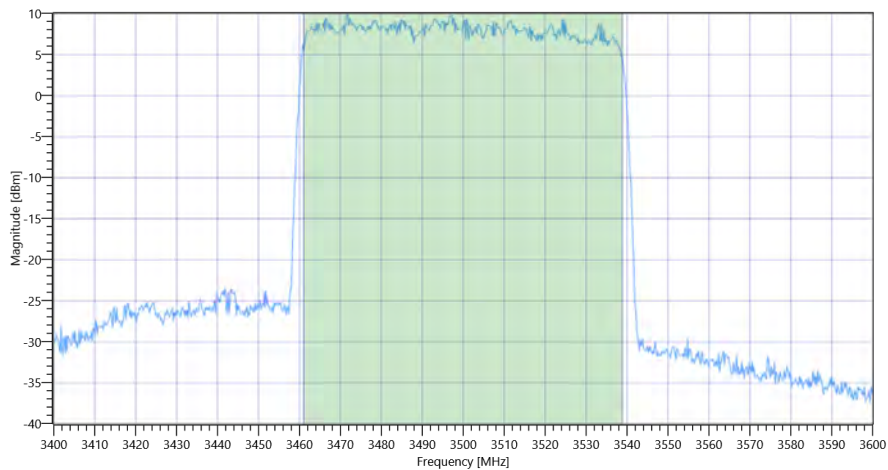
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.54   0   25
Start [MHz]   Stop [MHz]	3400.000   3600.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	77.922	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 22:53:54
Ambit Temp [°C]   Humidity [rel%]	25.4   45
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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

Test at BW [MHz]: 90

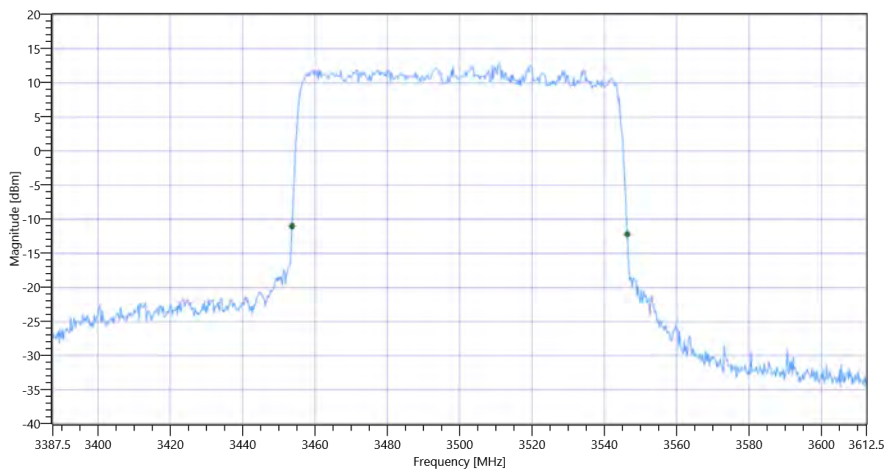
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 90, RB\_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.82   0   25
Start [MHz]   Stop [MHz]	3387.500   3612.500
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	92.7	MHz	INFO



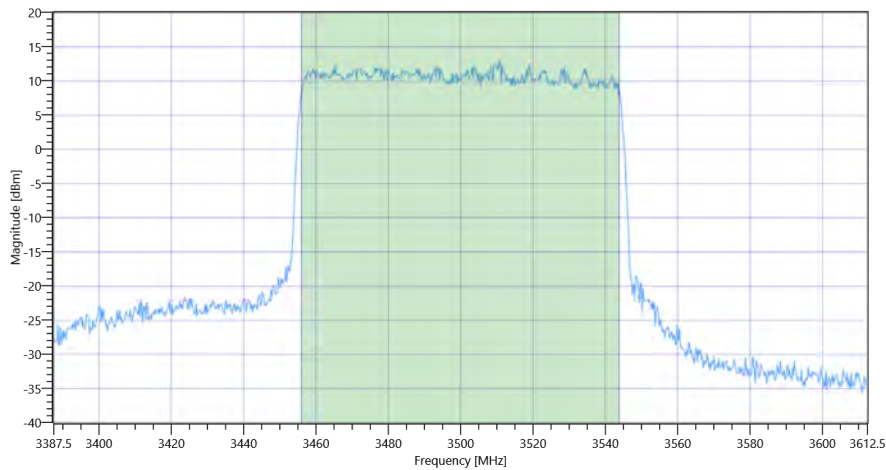
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.82   0   25
Start [MHz]   Stop [MHz]	3387.500   3612.500
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	87.887	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

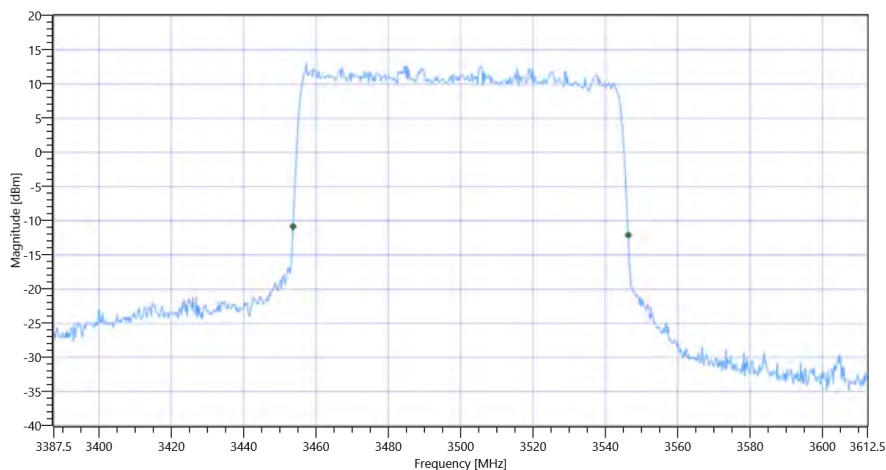
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 90, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.32   0   25
Start [MHz]   Stop [MHz]	3387.500   3612.500
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	92.7	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

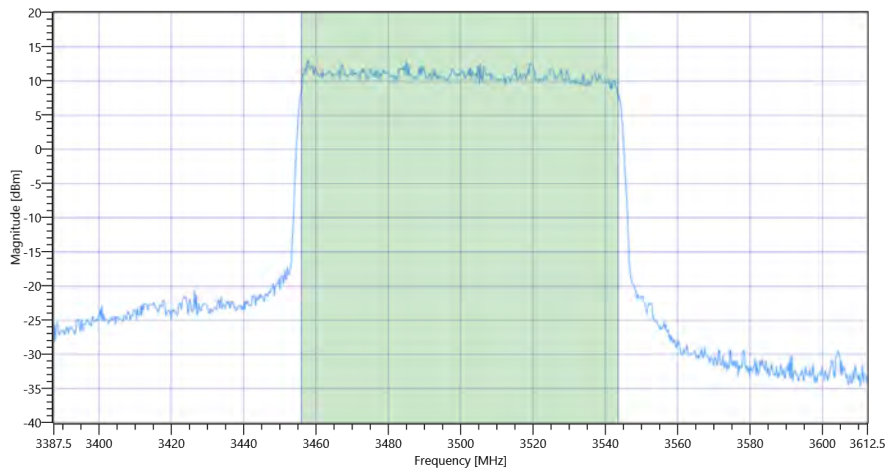
**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.32   0   25
Start [MHz]   Stop [MHz]	3387.500   3612.500
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE



**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	87.662	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

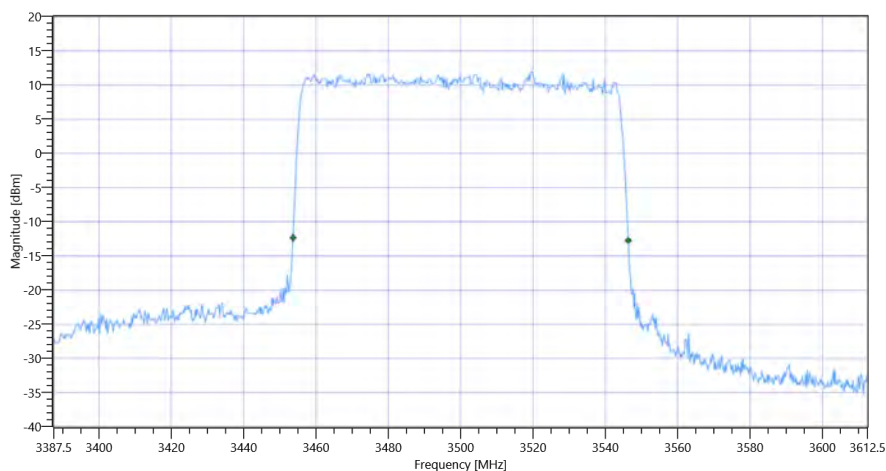
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 90, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.62   0   25
Start [MHz]   Stop [MHz]	3387.500   3612.500
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	92.7	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

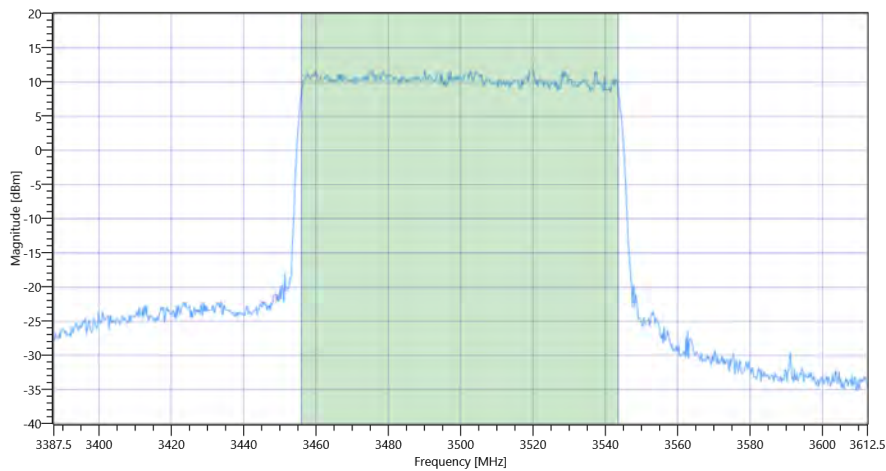
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.62   0   25
--	---------------

**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3387.500   3612.500
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	87.662	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

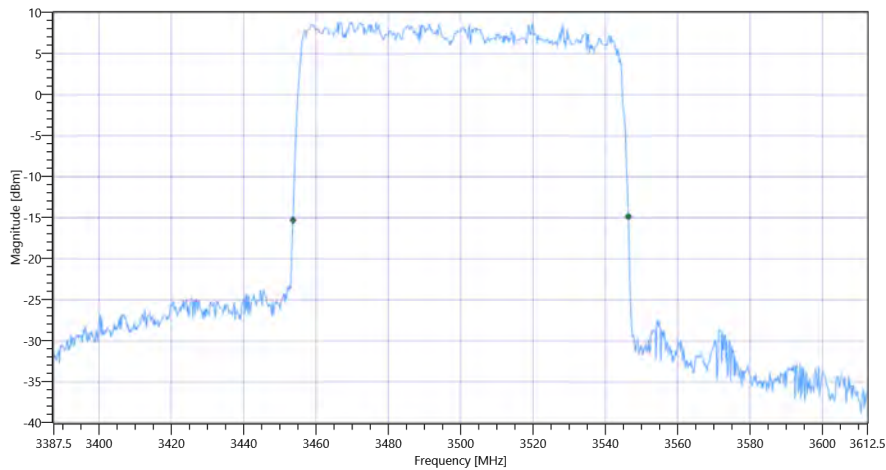
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 90, RB\_100PCT, Mod: 256QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	5.95   0   20
Start [MHz]   Stop [MHz]	3387.500   3612.500
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	92.7	MHz	INFO



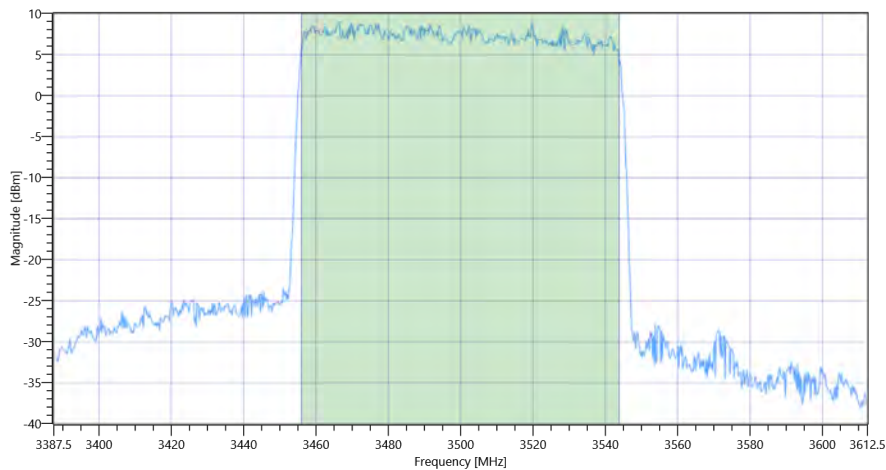
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	5.95   0   20
Start [MHz]   Stop [MHz]	3387.500   3612.500
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	87.887	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 22:19:47
Ambit Temp [°C]   Humidity [rel%]	25.5   45
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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

### Test at BW [MHz]: 100

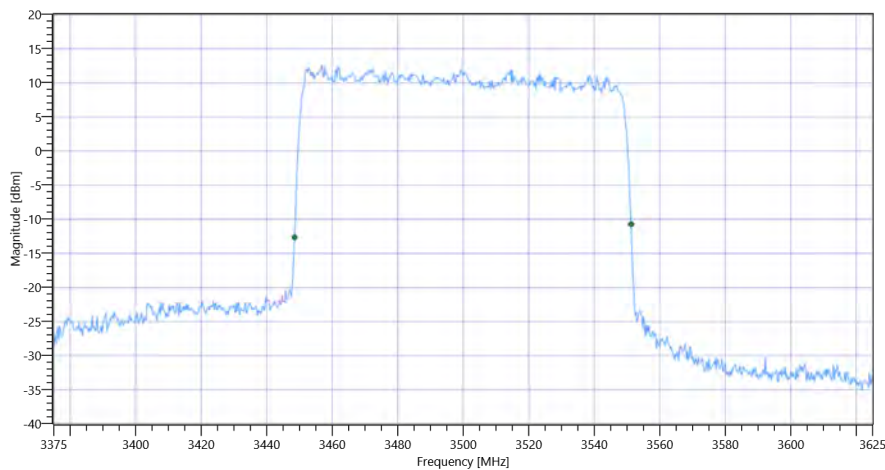
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 100, RB\_100PCT, Mod: QPSK

#### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.05   0   25
Start [MHz]   Stop [MHz]	3375.000   3625.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

#### RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	102.75	MHz	INFO



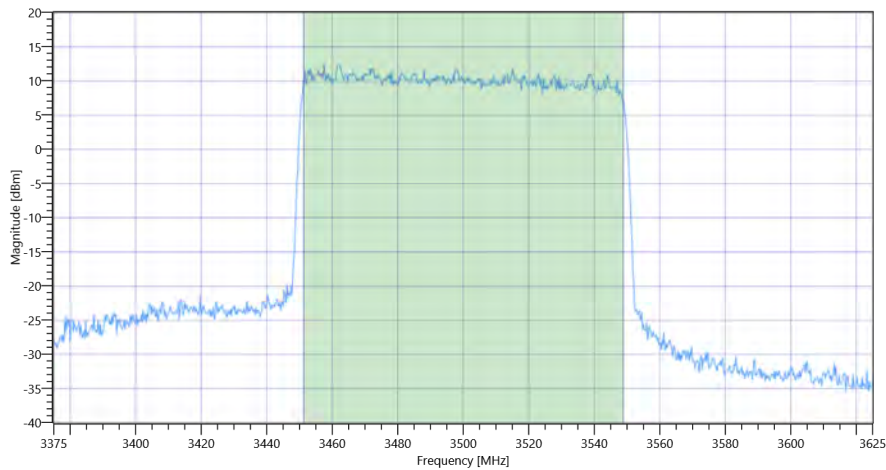
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

#### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.05   0   25
Start [MHz]   Stop [MHz]	3375.000   3625.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

#### RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	97.652	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

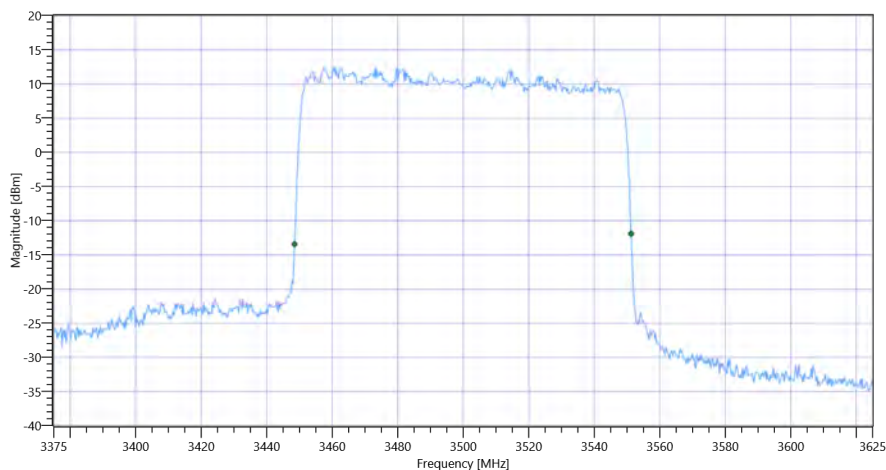
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 100, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.70   0   25
Start [MHz]   Stop [MHz]	3375.000   3625.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	102.75	MHz	INFO



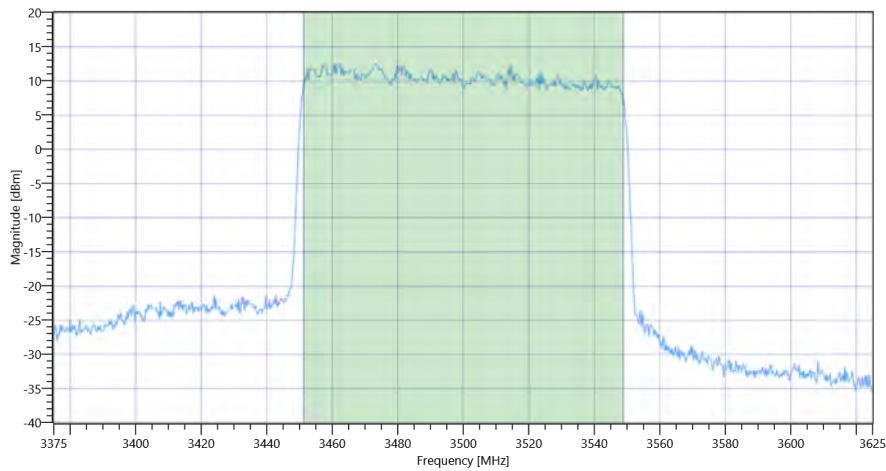
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.70   0   25
Start [MHz]   Stop [MHz]	3375.000   3625.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	97.652	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

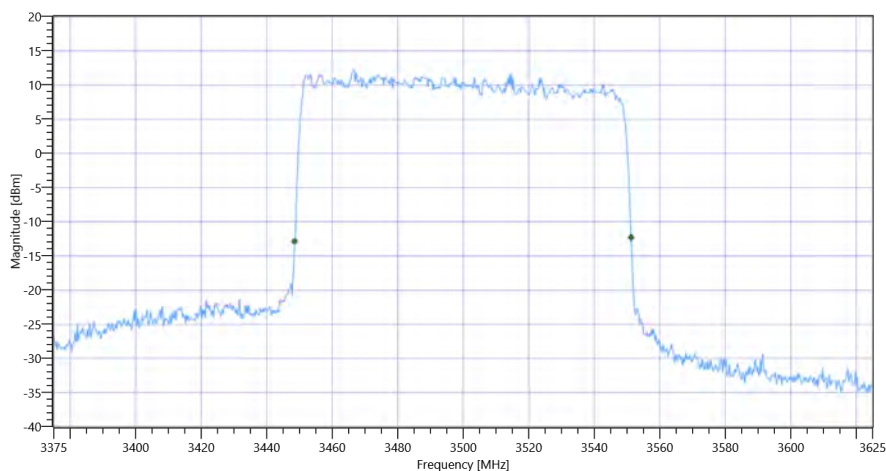
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 100, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.98   0   25
Start [MHz]   Stop [MHz]	3375.000   3625.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	102.75	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

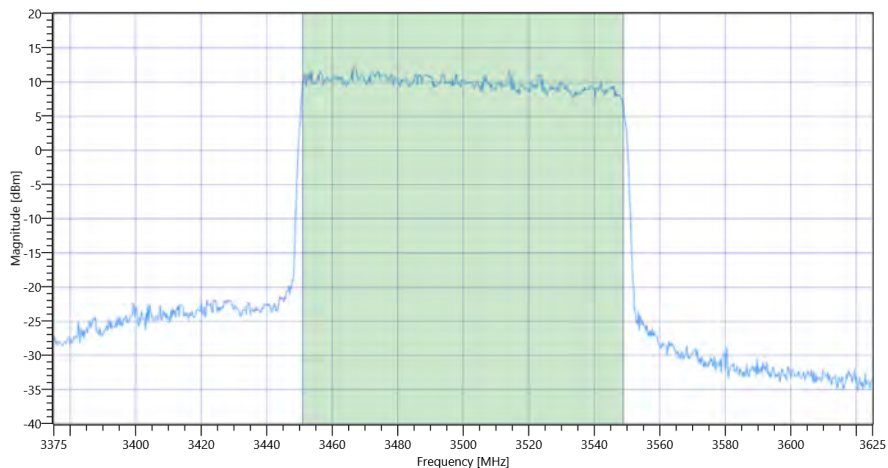
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.98   0   25
--	---------------

**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3375.000   3625.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	97.902	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 100, RB\_100PCT, Mod: 256QAM

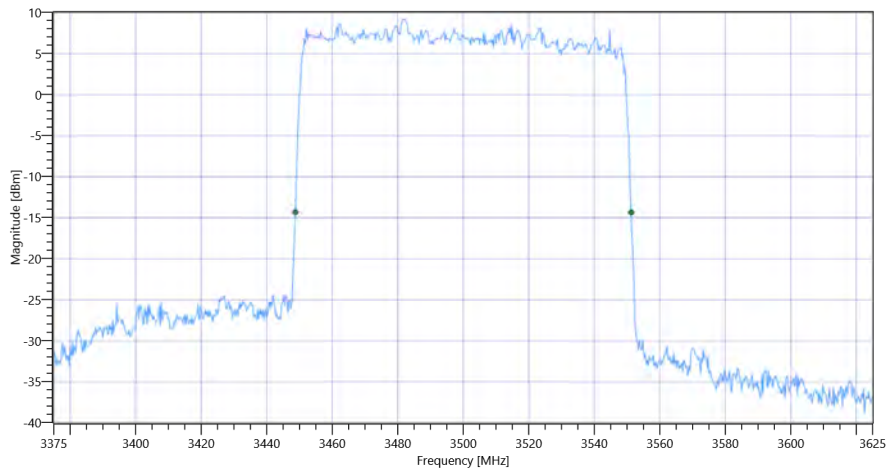
**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	5.58   0   20
Start [MHz]   Stop [MHz]	3375.000   3625.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	102.5	MHz	INFO





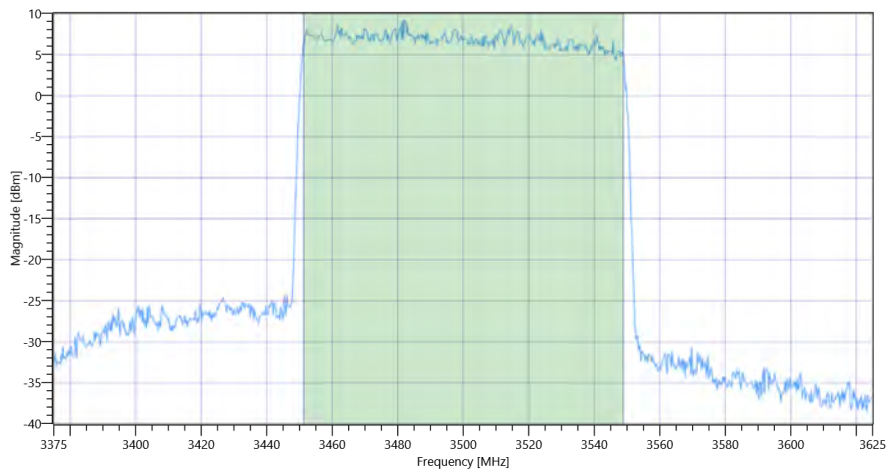
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	5.58   0   20
Start [MHz]   Stop [MHz]	3375.000   3625.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	97.902	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 21:52:52
Ambit Temp [°C]   Humidity [rel%]	25.6   45
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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

Test at BW [MHz]: 10

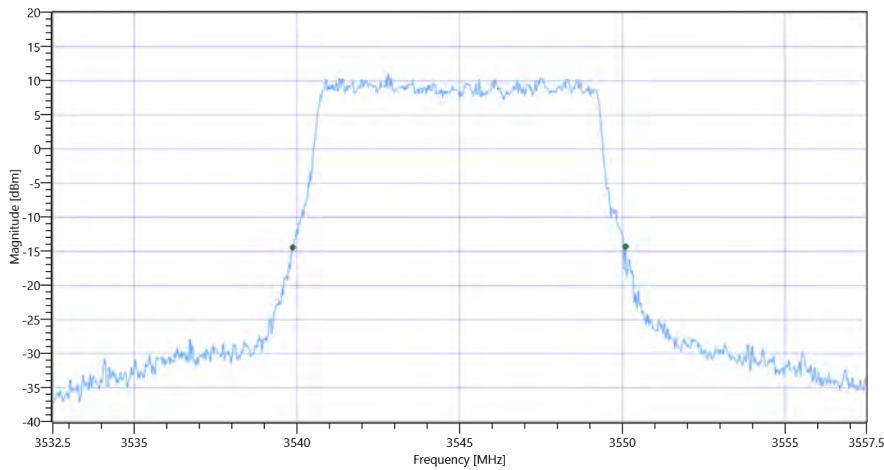
Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB\_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	16.15   0   35
Start [MHz]   Stop [MHz]	3532.500   3557.500
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	---	---	10.225	MHz	INFO



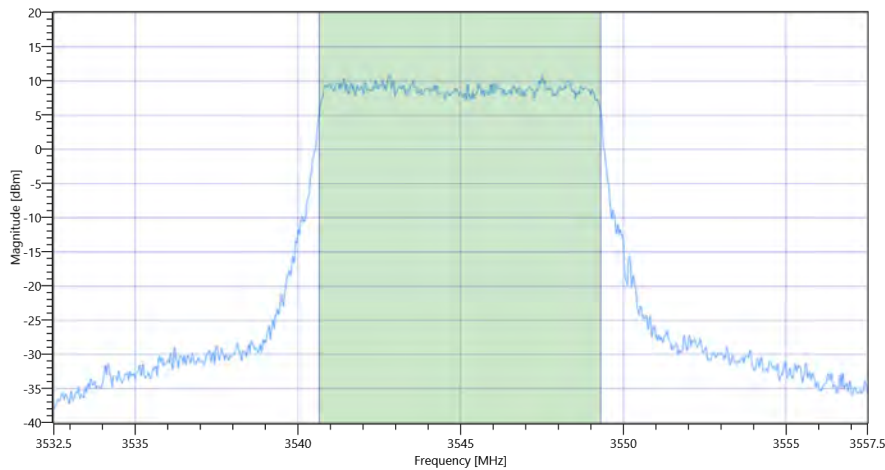
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	16.15   0   35
Start [MHz]   Stop [MHz]	3532.500   3557.500
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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

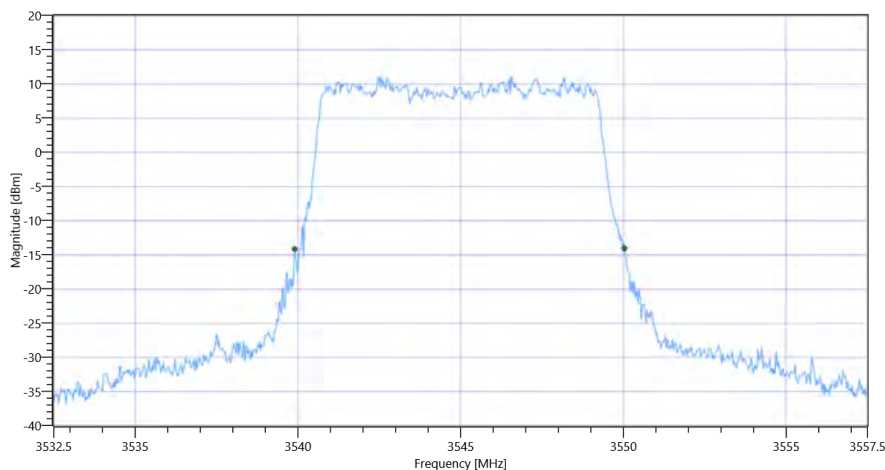
Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	17.60   0   35
Start [MHz]   Stop [MHz]	3532.500   3557.500
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	---	---	10.125	MHz	INFO



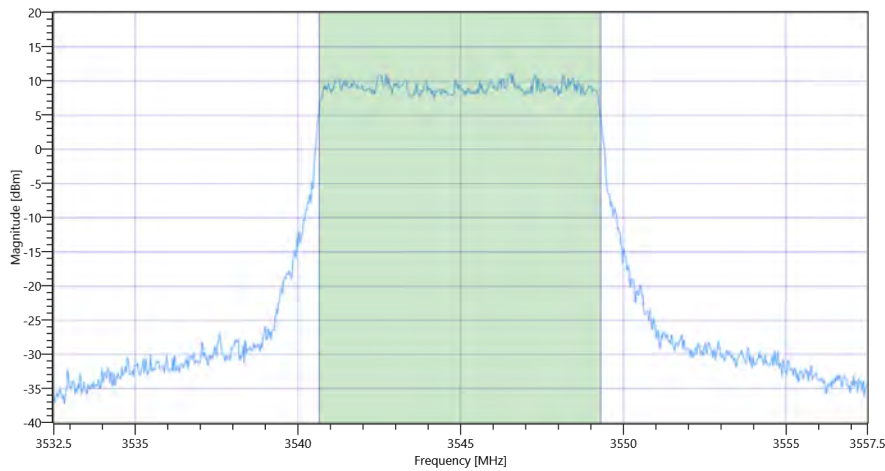
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	17.60   0   35
Start [MHz]   Stop [MHz]	3532.500   3557.500
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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

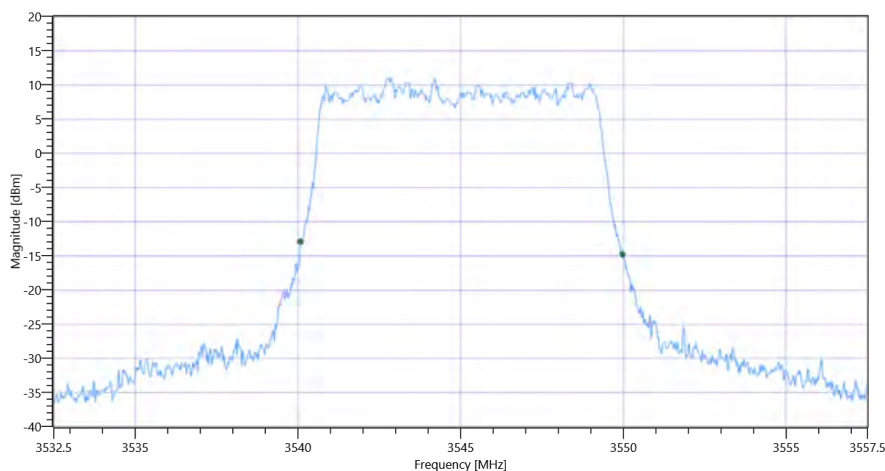
Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	17.79   0   35
Start [MHz]   Stop [MHz]	3532.500   3557.500
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	---	---	9.9	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

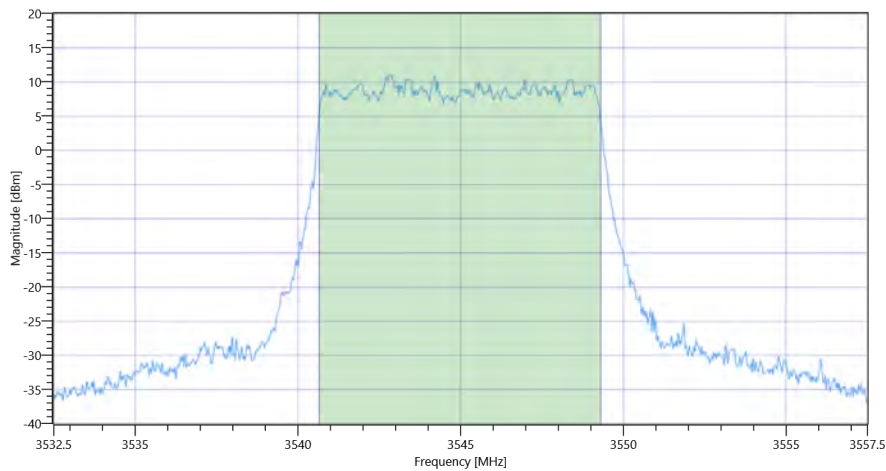
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	17.79   0   35
--	----------------

**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3532.500   3557.500
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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

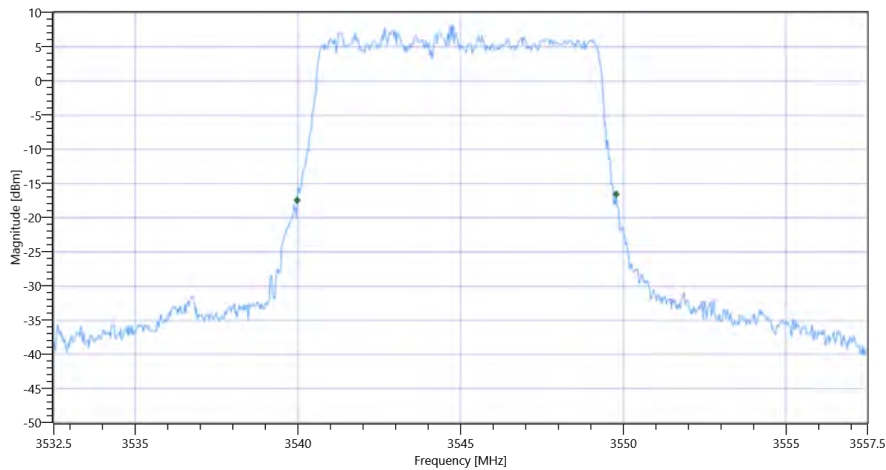
Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB\_100PCT, Mod: 256QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	14.51   0   30
Start [MHz]   Stop [MHz]	3532.500   3557.500
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



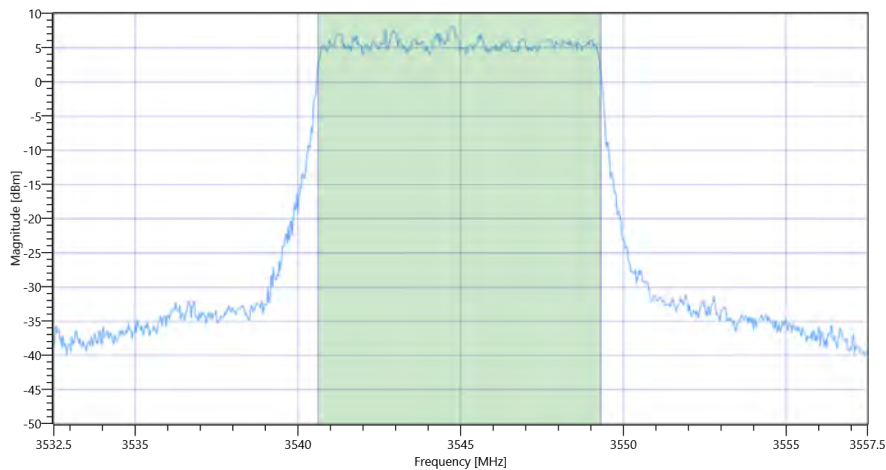
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	14.51   0   30
Start [MHz]   Stop [MHz]	3532.500   3557.500
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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 21:28:06
Ambit Temp [°C]   Humidity [rel%]	25.7   45
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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



### Test at BW [MHz]: 20

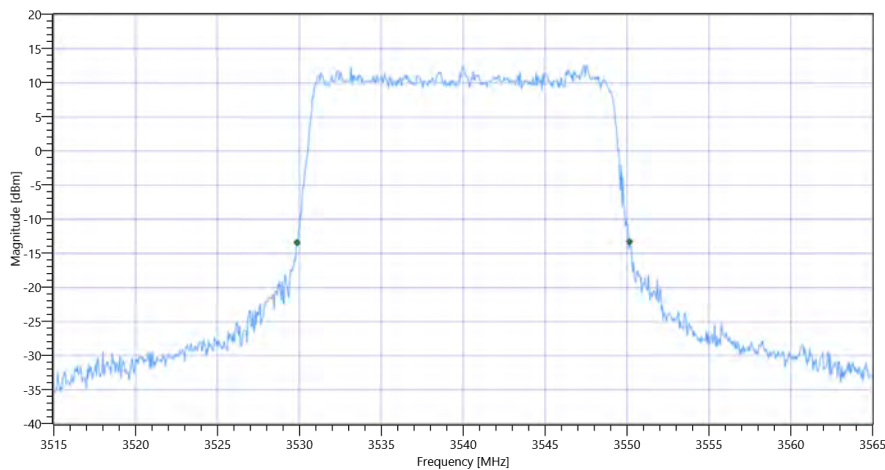
Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB\_100PCT, Mod: QPSK

#### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.17   0   30
Start [MHz]   Stop [MHz]	3515.000   3565.000
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

#### RESULT 26 dB

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



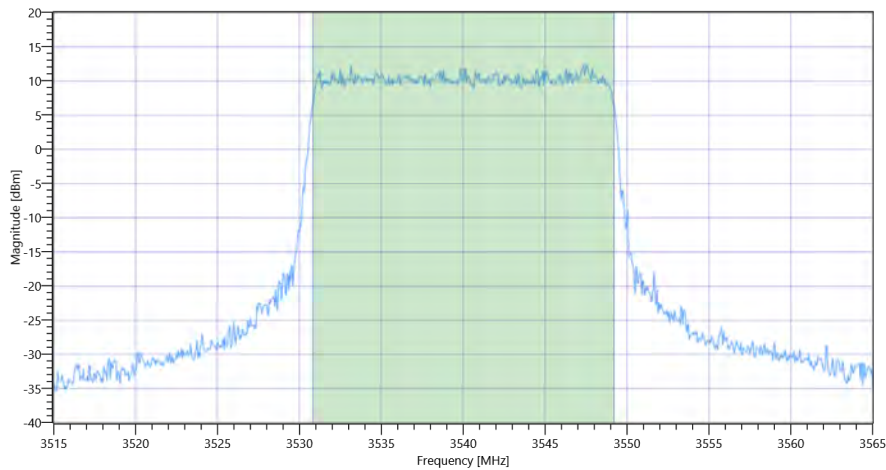
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

#### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.17   0   30
Start [MHz]   Stop [MHz]	3515.000   3565.000
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

#### RESULT 99%

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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

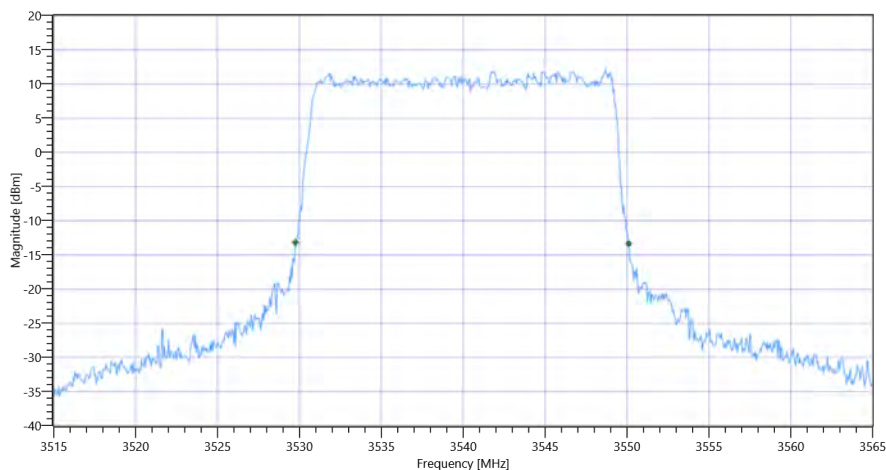
Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	14.75   0   30
Start [MHz]   Stop [MHz]	3515.000   3565.000
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

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



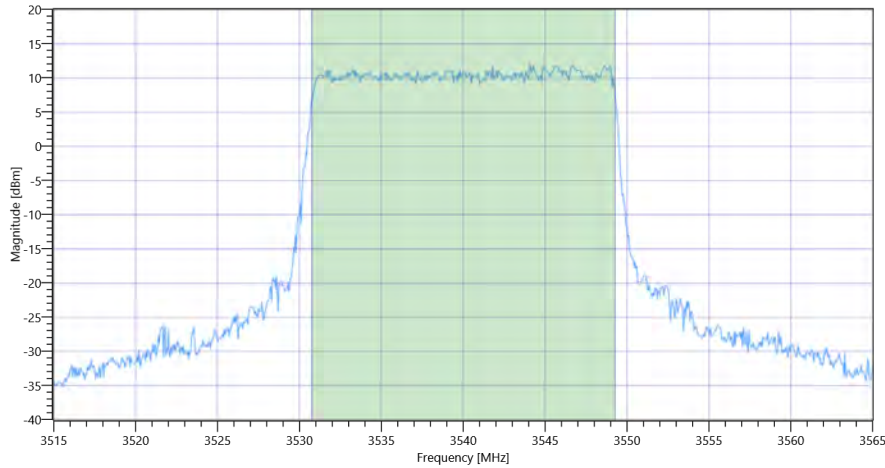
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	14.75   0   30
Start [MHz]   Stop [MHz]	3515.000   3565.000
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	18.482	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

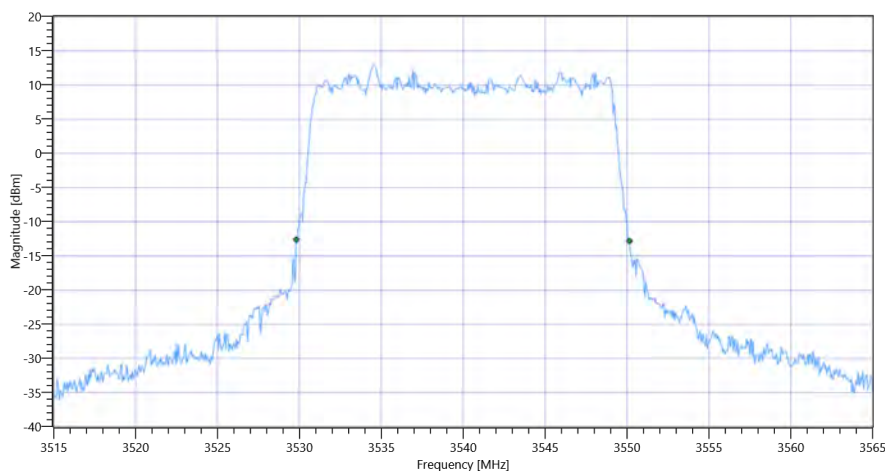
Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	14.32   0   30
Start [MHz]   Stop [MHz]	3515.000   3565.000
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

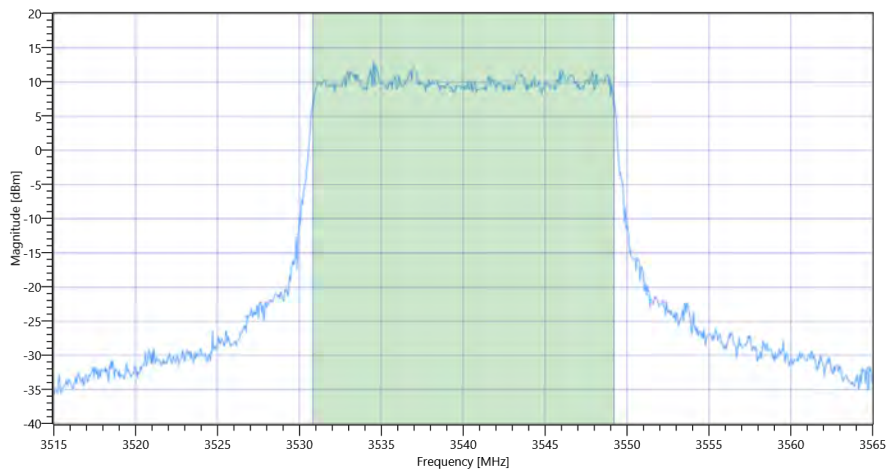
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	14.32   0   30
--	----------------

**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3515.000   3565.000
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

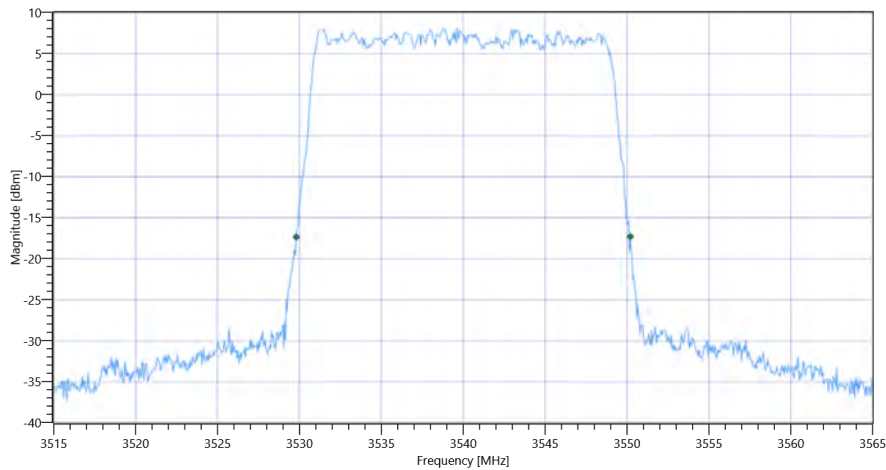
Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB\_100PCT, Mod: 256QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.14   0   30
Start [MHz]   Stop [MHz]	3515.000   3565.000
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

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



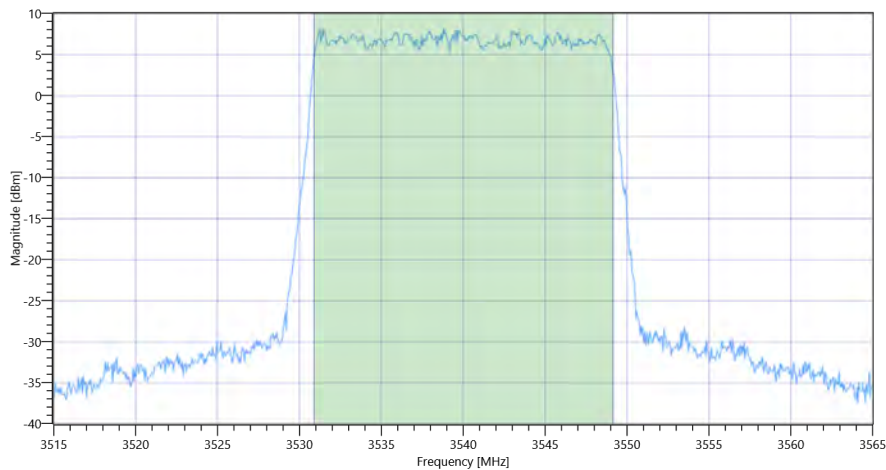
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.14   0   30
Start [MHz]   Stop [MHz]	3515.000   3565.000
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 21:03:21
Ambit Temp [°C]   Humidity [rel%]	25.8   45
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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

### Test at BW [MHz]: 30

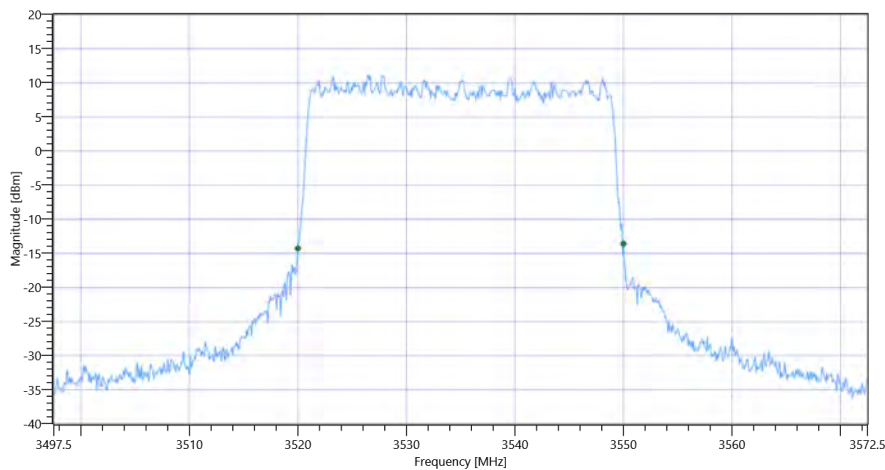
Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB\_100PCT, Mod: QPSK

#### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	12.74   0   30
Start [MHz]   Stop [MHz]	3497.500   3572.500
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

#### RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	30	MHz	INFO



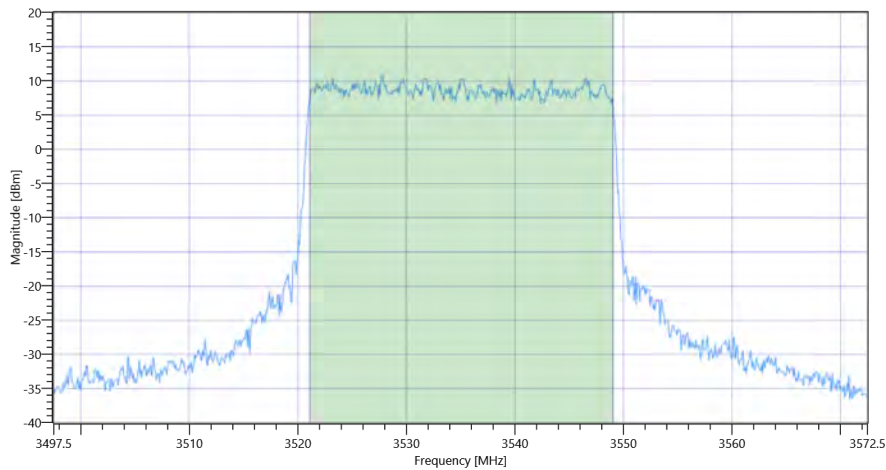
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

#### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	12.74   0   30
Start [MHz]   Stop [MHz]	3497.500   3572.500
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

#### RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	27.947	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

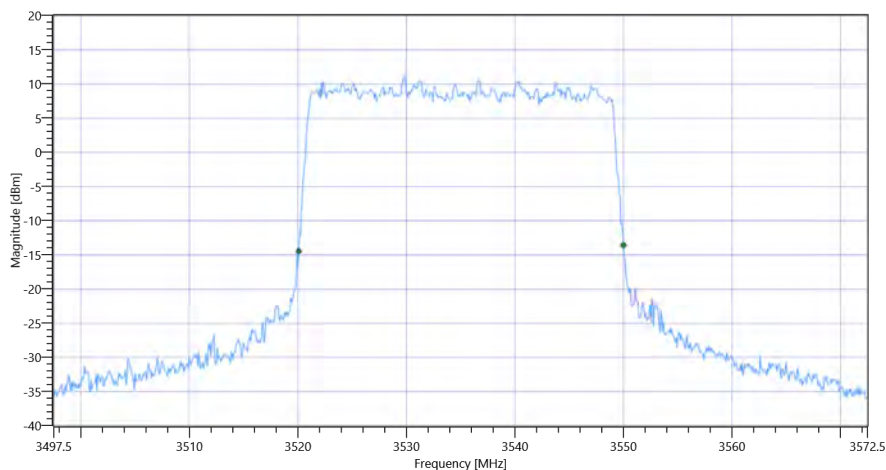
Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.70   0   30
Start [MHz]   Stop [MHz]	3497.500   3572.500
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	29.925	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

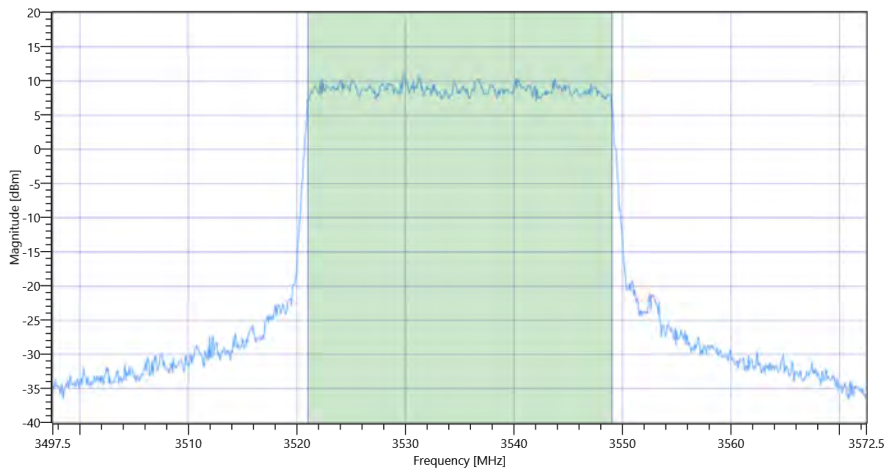
**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.70   0   30
Start [MHz]   Stop [MHz]	3497.500   3572.500
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE



**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	28.022	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

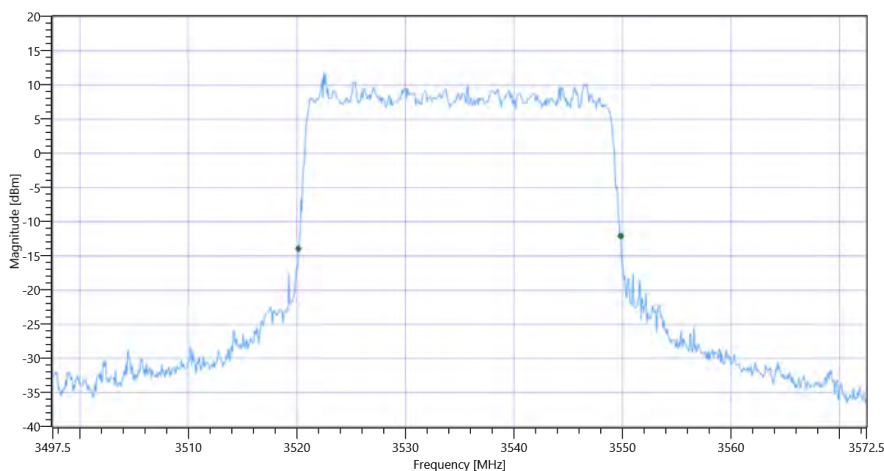
Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.30   0   30
Start [MHz]   Stop [MHz]	3497.500   3572.500
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	29.7	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

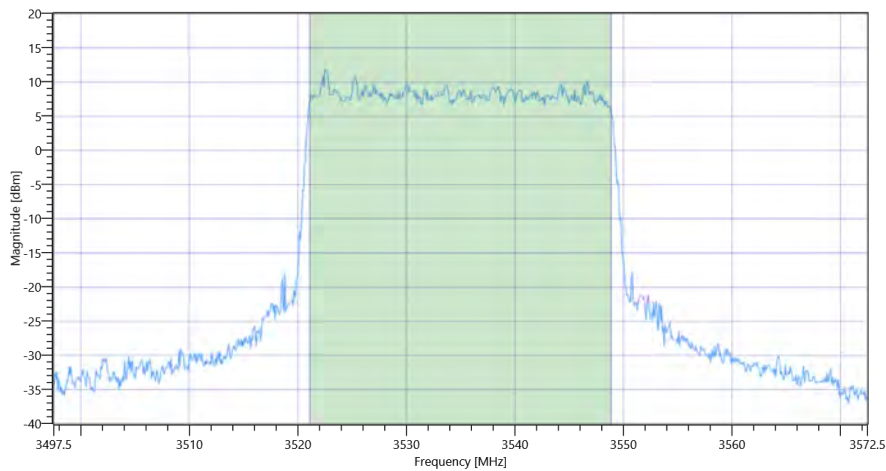
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.30   0   30
--	----------------

**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3497.500   3572.500
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	27.797	MHz	INFO



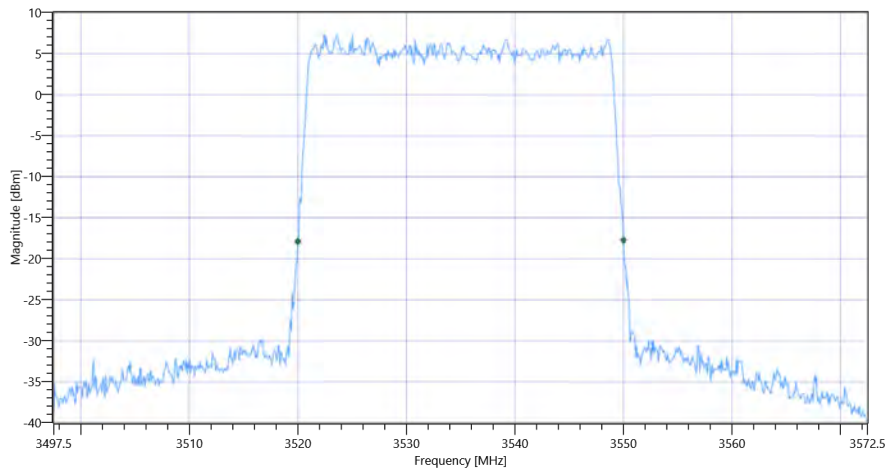
Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB\_100PCT, Mod: 256QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.13   0   25
Start [MHz]   Stop [MHz]	3497.500   3572.500
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	30	MHz	INFO



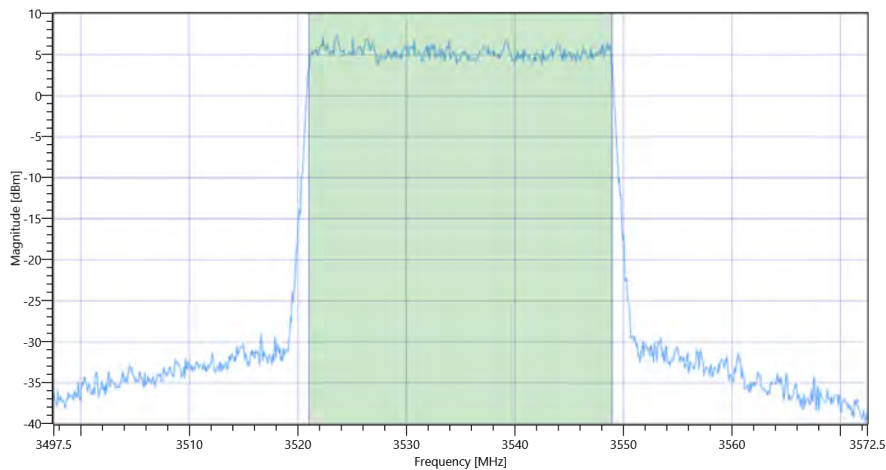
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.13   0   25
Start [MHz]   Stop [MHz]	3497.500   3572.500
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	27.947	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 20:38:33
Ambit Temp [°C]   Humidity [rel%]	25.9   46
System Version	3.2.0.2
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	

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

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

Test at BW [MHz]: 40

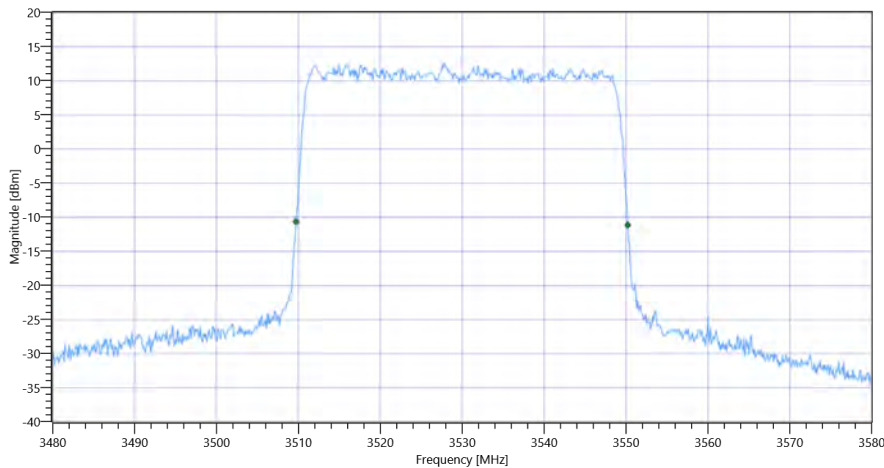
Test freq: high, UL[MHz]/CH 3530/0, CBW [MHz]: 40, RB\_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.74   0   30
Start [MHz]   Stop [MHz]	3480.000   3580.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.5	MHz	INFO



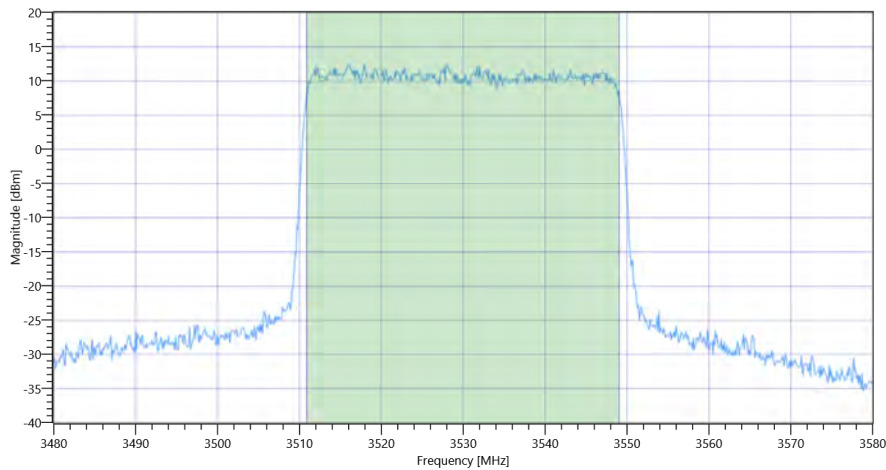
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.74   0   30
Start [MHz]   Stop [MHz]	3480.000   3580.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	38.062	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

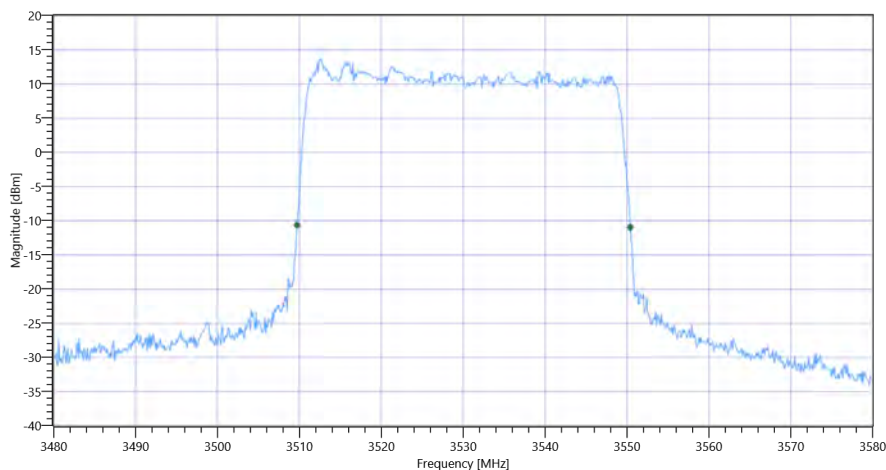
Test freq: high, UL[MHz]/CH 3530/0, CBW [MHz]: 40, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.04   0   30
Start [MHz]   Stop [MHz]	3480.000   3580.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.7	MHz	INFO



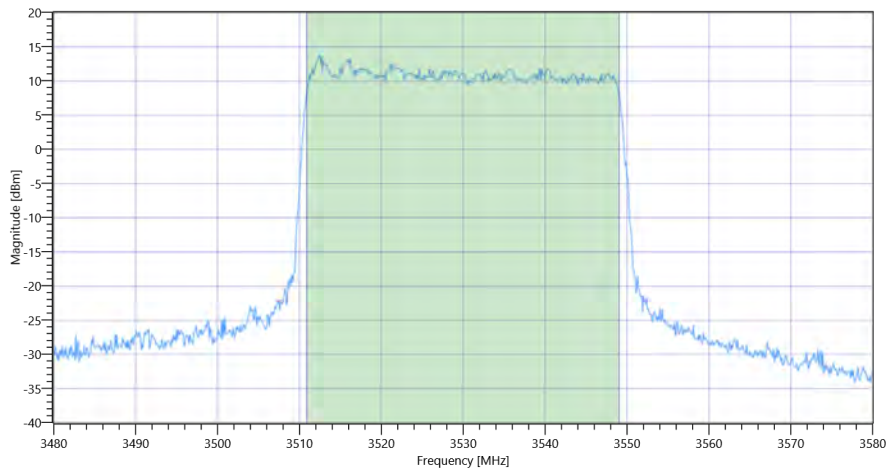
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.04   0   30
Start [MHz]   Stop [MHz]	3480.000   3580.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	38.062	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

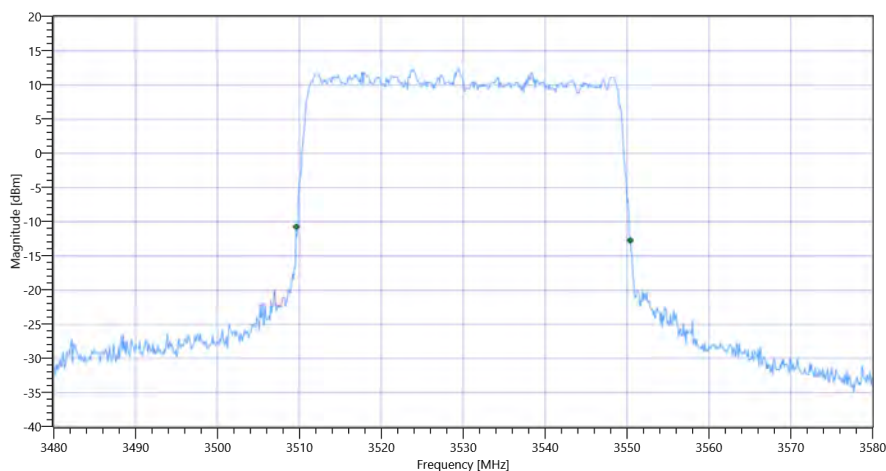
Test freq: high, UL[MHz]/CH 3530/0, CBW [MHz]: 40, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.66   0   30
Start [MHz]   Stop [MHz]	3480.000   3580.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.8	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

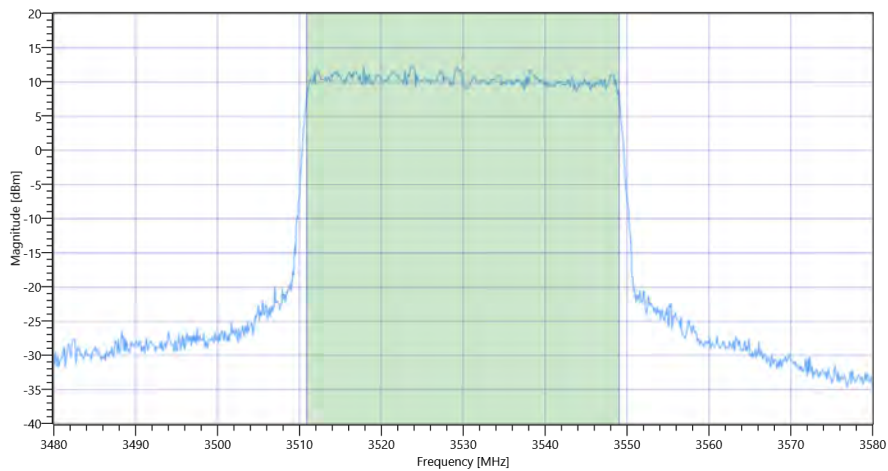
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.66   0   30
--	----------------

**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3480.000   3580.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	38.062	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

Test freq: high, UL[MHz]/CH 3530/0, CBW [MHz]: 40, RB\_100PCT, Mod: 256QAM

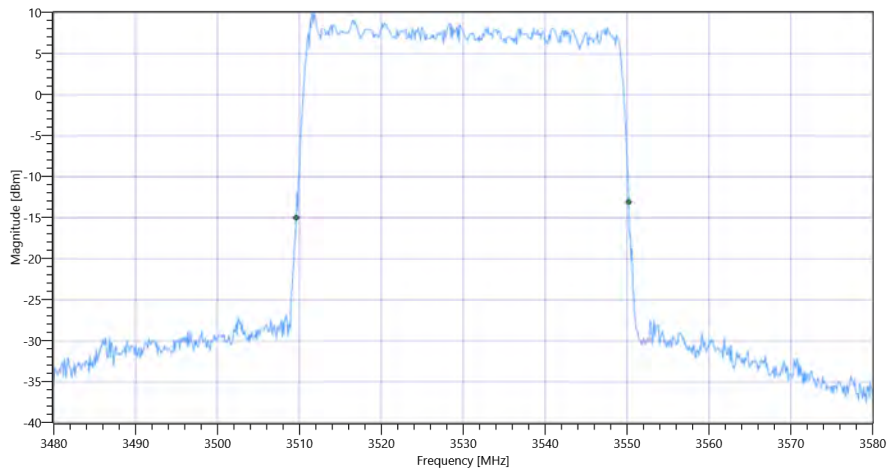
**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.36   0   25
Start [MHz]   Stop [MHz]	3480.000   3580.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.6	MHz	INFO





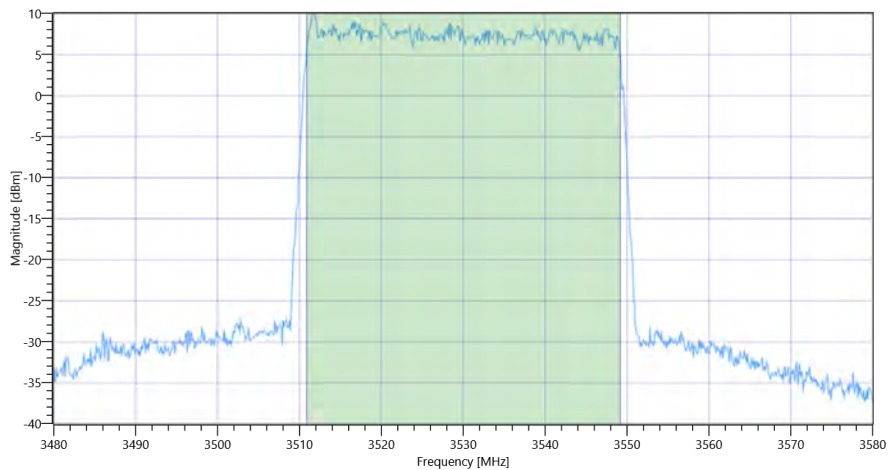
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.36   0   25
Start [MHz]   Stop [MHz]	3480.000   3580.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	38.162	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 20:13:22
Ambit Temp [°C]   Humidity [rel%]	26.0   46
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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

Test at BW [MHz]: 50

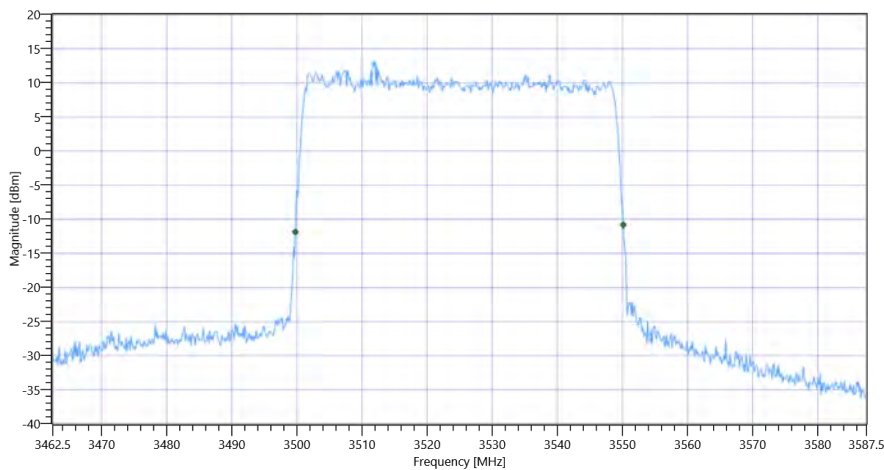
Test freq: high, UL[MHz]/CH 3525/0, CBW [MHz]: 50, RB\_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.36   0   30
Start [MHz]   Stop [MHz]	3462.500   3587.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	50.375	MHz	INFO



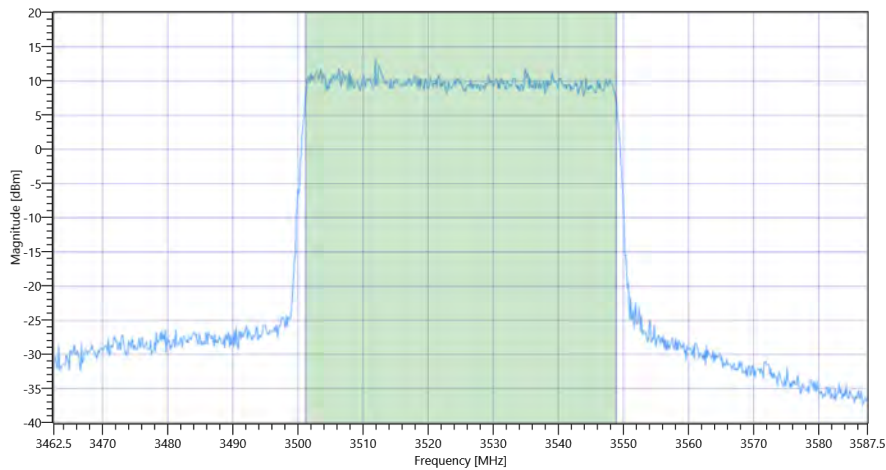
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.36   0   25
Start [MHz]   Stop [MHz]	3462.500   3587.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	47.702	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

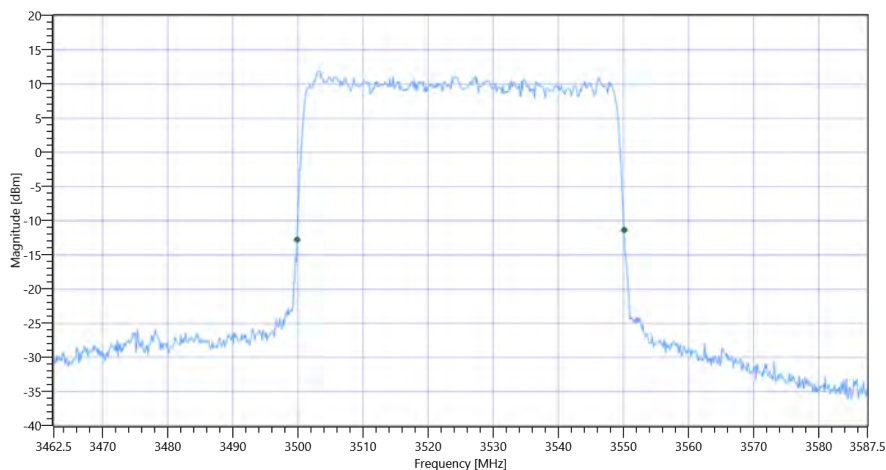
Test freq: high, UL[MHz]/CH 3525/0, CBW [MHz]: 50, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.19   0   30
Start [MHz]   Stop [MHz]	3462.500   3587.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	50.25	MHz	INFO



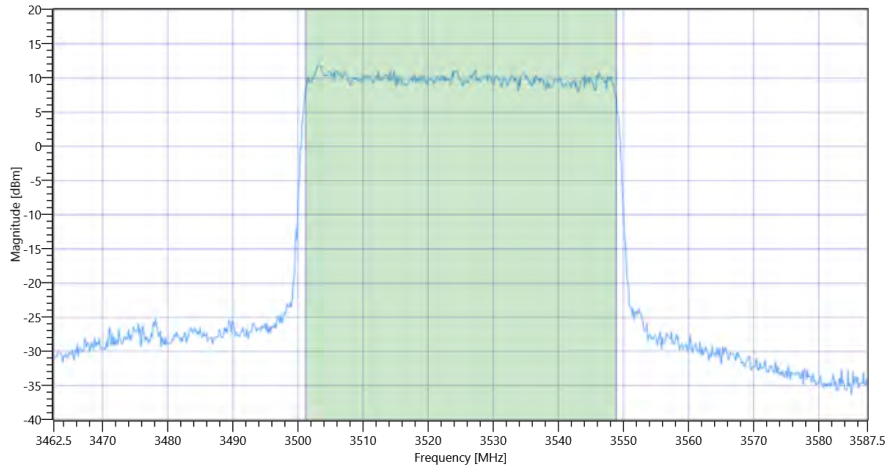
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.19   0   30
Start [MHz]   Stop [MHz]	3462.500   3587.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	47.702	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

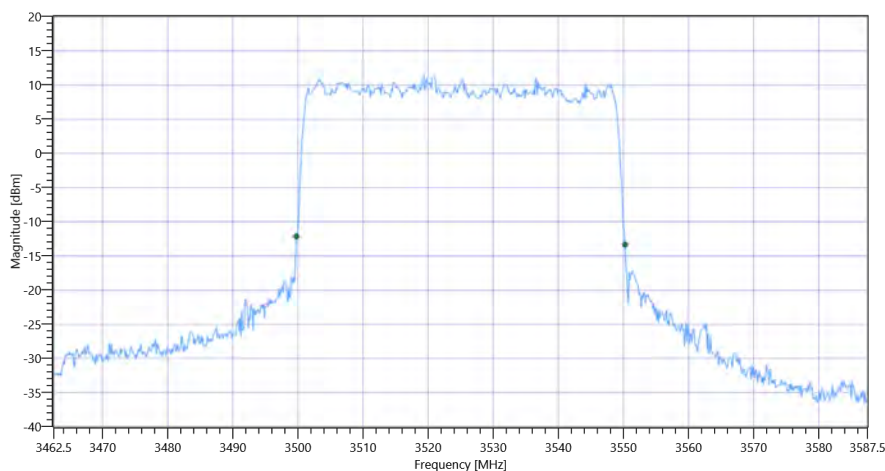
Test freq: high, UL[MHz]/CH 3525/0, CBW [MHz]: 50, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.63   0   25
Start [MHz]   Stop [MHz]	3462.500   3587.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	50.5	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

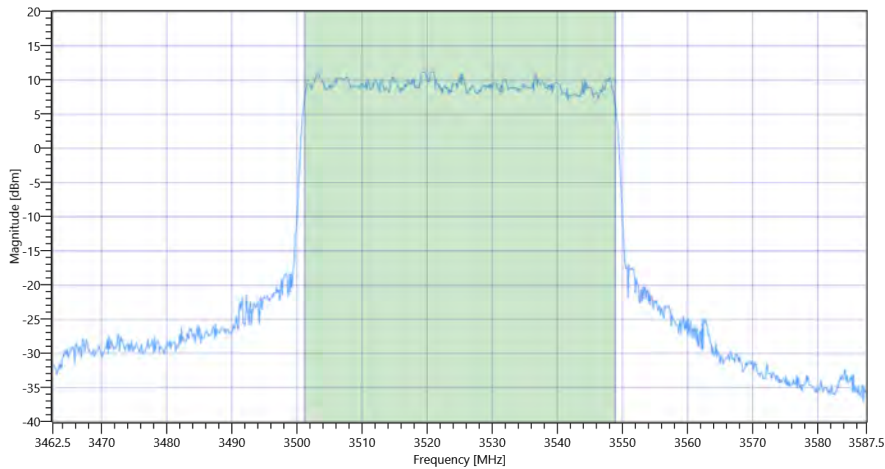
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.63   0   25
--	----------------

**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3462.500   3587.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	47.702	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

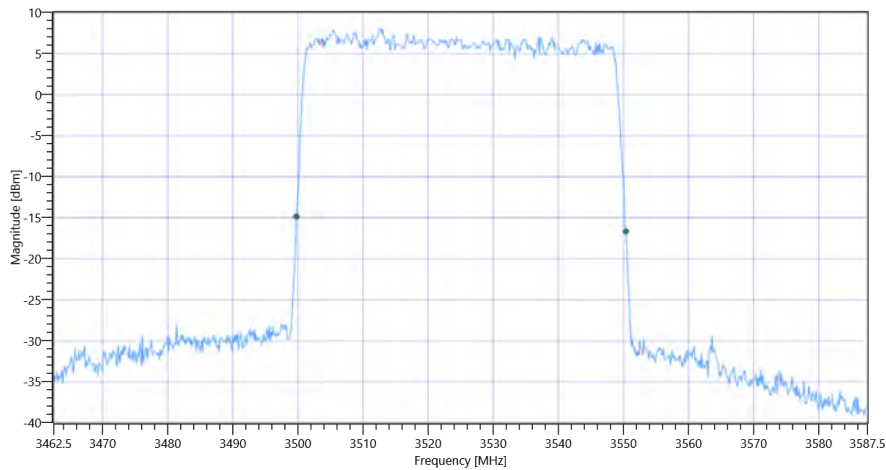
Test freq: high, UL[MHz]/CH 3525/0, CBW [MHz]: 50, RB\_100PCT, Mod: 256QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.56   0   25
Start [MHz]   Stop [MHz]	3462.500   3587.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	50.625	MHz	INFO



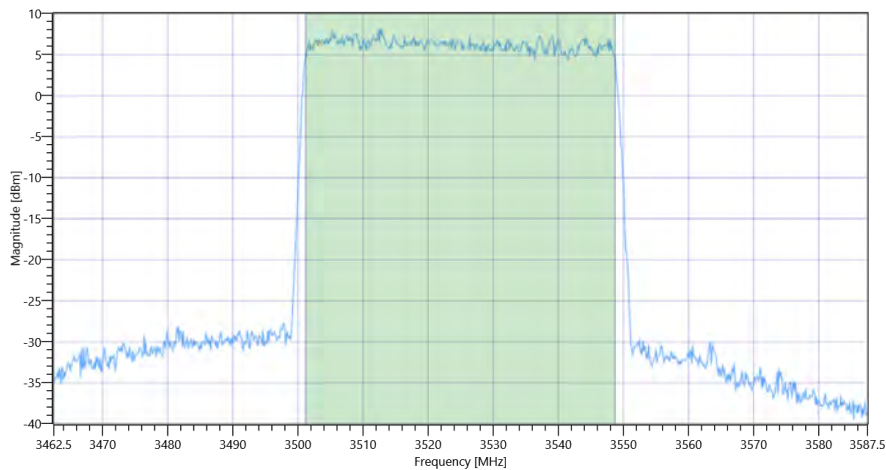
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.56   0   25
Start [MHz]   Stop [MHz]	3462.500   3587.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	47.577	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 19:47:51
Ambit Temp [°C]   Humidity [rel%]	26.2   47
System Version	3.2.0.2
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	

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

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



Test at BW [MHz]: 60

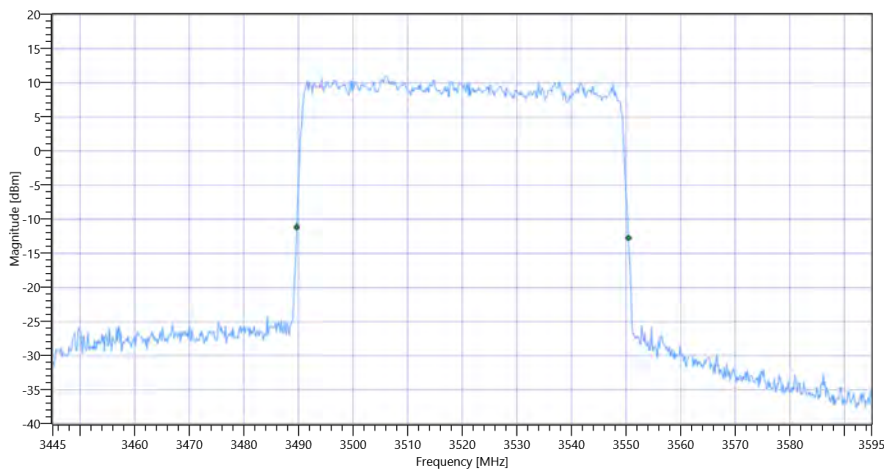
Test freq: high, UL[MHz]/CH 3520/0, CBW [MHz]: 60, RB\_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.35   0   25
Start [MHz]   Stop [MHz]	3445.000   3595.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

RESULT 26 dB

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



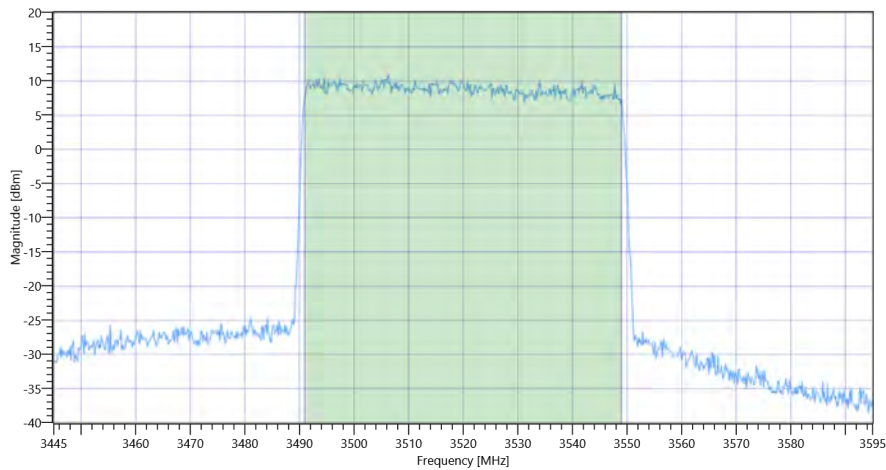
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.35   0   25
Start [MHz]   Stop [MHz]	3445.000   3595.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	57.992	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

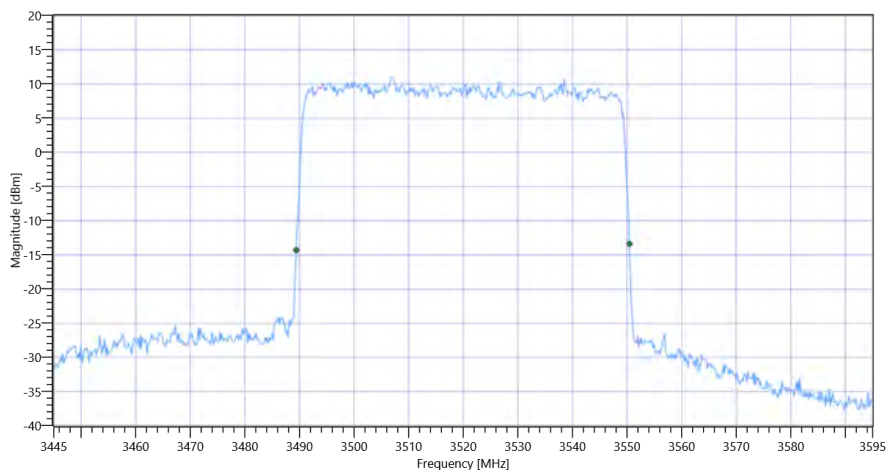
Test freq: high, UL[MHz]/CH 3520/0, CBW [MHz]: 60, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.17   0   25
Start [MHz]   Stop [MHz]	3445.000   3595.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	61.05	MHz	INFO



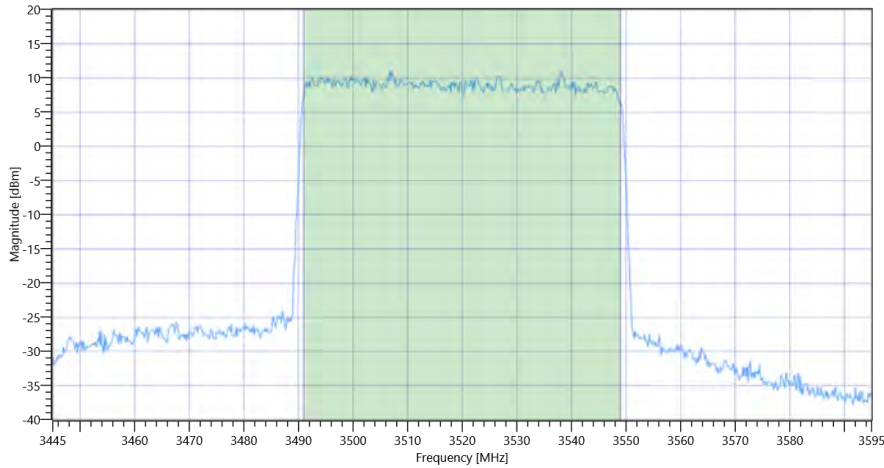
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.17   0   25
Start [MHz]   Stop [MHz]	3445.000   3595.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	57.992	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

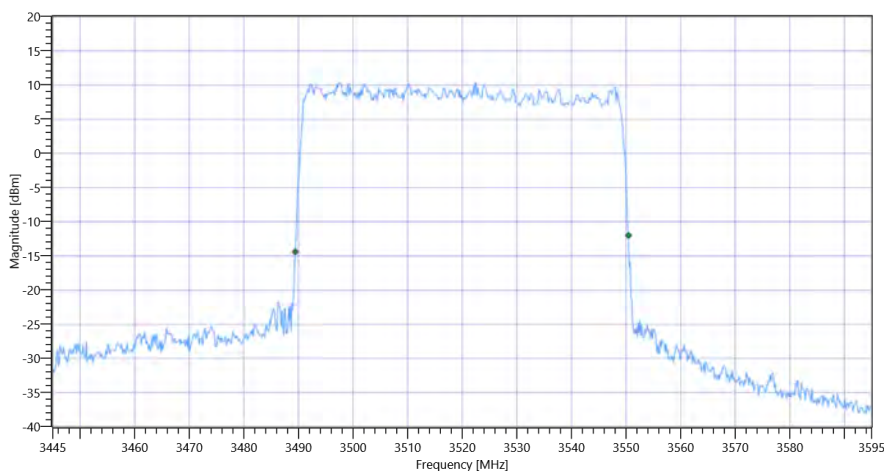
Test freq: high, UL[MHz]/CH 3520/0, CBW [MHz]: 60, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.76   0   25
Start [MHz]   Stop [MHz]	3445.000   3595.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	61.05	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

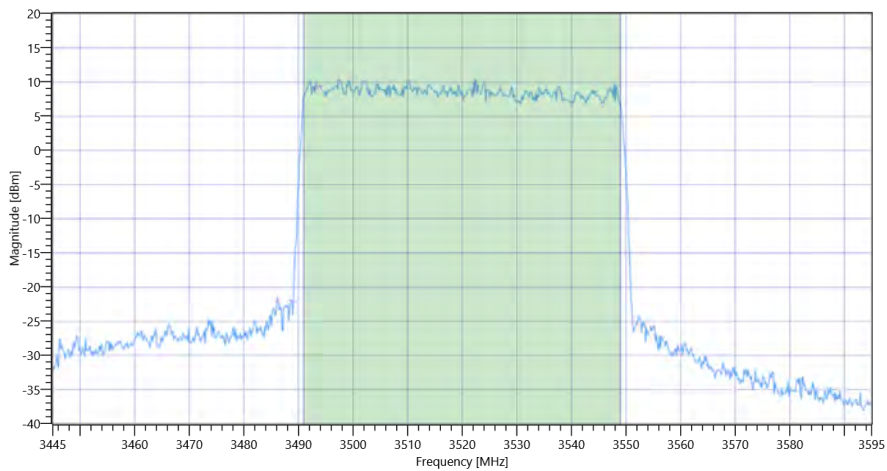
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.76   0   25
--	---------------

**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3445.000   3595.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	57.992	MHz	INFO



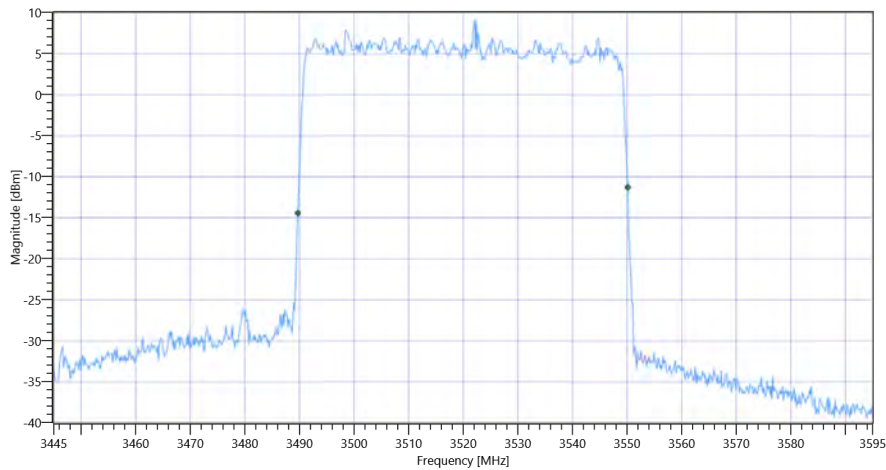
Test freq: high, UL[MHz]/CH 3520/0, CBW [MHz]: 60, RB\_100PCT, Mod: 256QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.60   0   25
Start [MHz]   Stop [MHz]	3445.000   3595.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	60.45	MHz	INFO



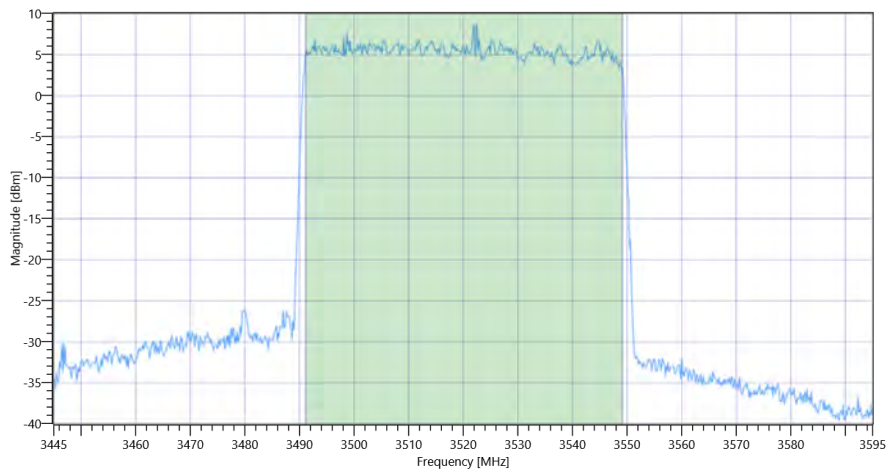
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.60   0   25
Start [MHz]   Stop [MHz]	3445.000   3595.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	57.992	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 19:22:41
Ambit Temp [°C]   Humidity [rel%]	26.3   47
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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

### Test at BW [MHz]: 70

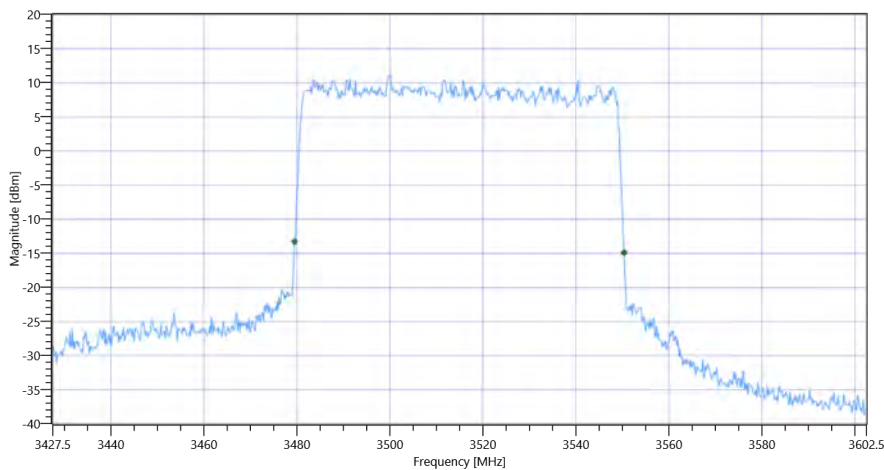
Test freq: high, UL[MHz]/CH 3515/0, CBW [MHz]: 70, RB\_100PCT, Mod: QPSK

#### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.40   0   25
Start [MHz]   Stop [MHz]	3427.500   3602.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

#### RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	70.875	MHz	INFO



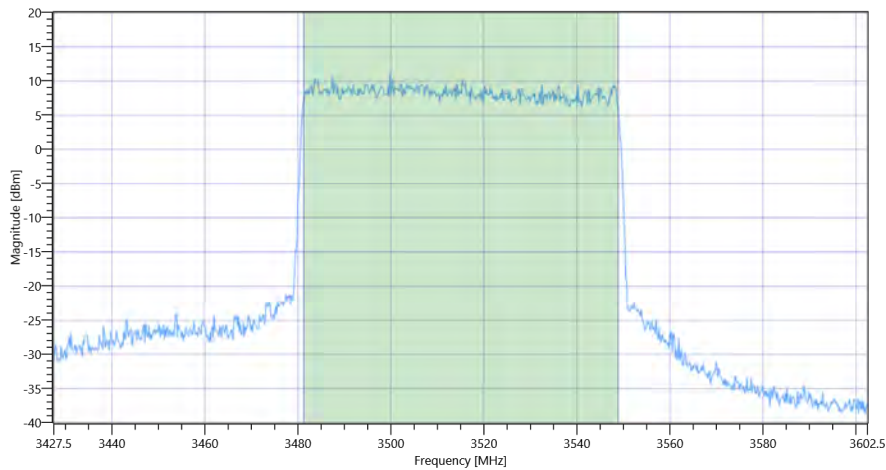
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

#### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.40   0   25
Start [MHz]   Stop [MHz]	3427.500   3602.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

#### RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	67.483	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

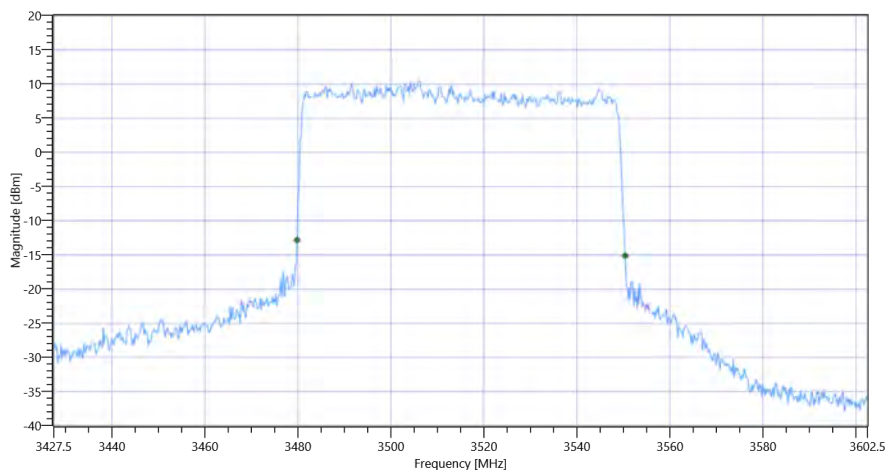
Test freq: high, UL[MHz]/CH 3515/0, CBW [MHz]: 70, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.04   0   25
Start [MHz]   Stop [MHz]	3427.500   3602.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	70.525	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

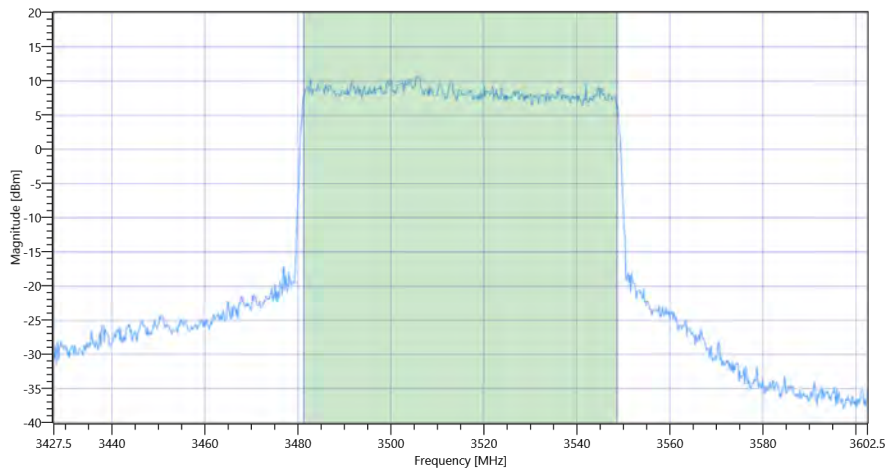
**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.04   0   25
Start [MHz]   Stop [MHz]	3427.500   3602.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE



**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	67.483	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

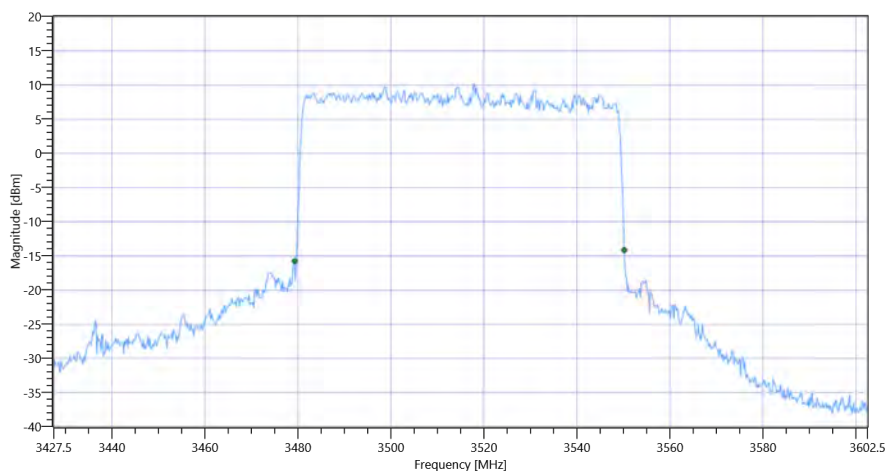
Test freq: high, UL[MHz]/CH 3515/0, CBW [MHz]: 70, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.46   0   25
Start [MHz]   Stop [MHz]	3427.500   3602.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	70.875	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

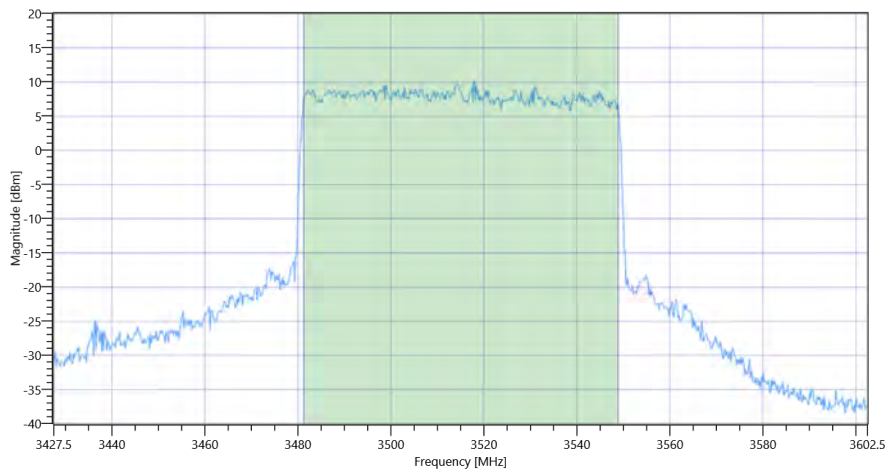
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.46   0   25
--	---------------

**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3427.500   3602.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	67.483	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

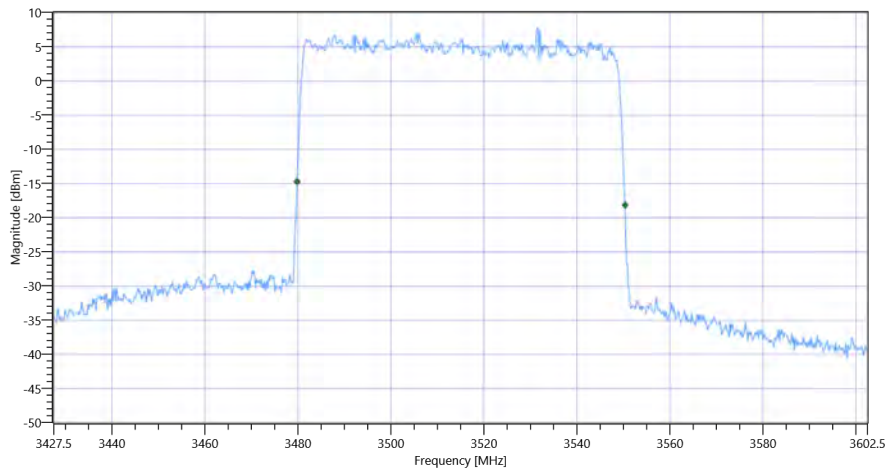
Test freq: high, UL[MHz]/CH 3515/0, CBW [MHz]: 70, RB\_100PCT, Mod: 256QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.60   0   25
Start [MHz]   Stop [MHz]	3427.500   3602.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	70.525	MHz	INFO



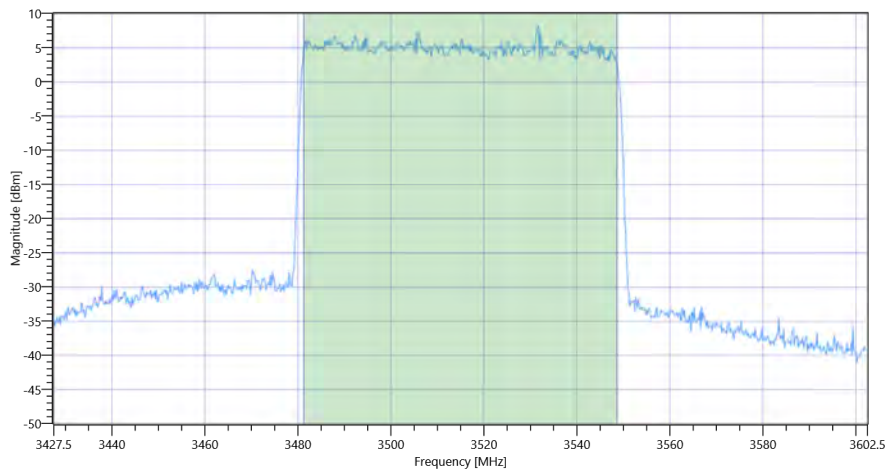
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.60   0   25
Start [MHz]   Stop [MHz]	3427.500   3602.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	67.308	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 18:57:29
Ambit Temp [°C]   Humidity [rel%]	26.6   47
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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

Test at BW [MHz]: 80

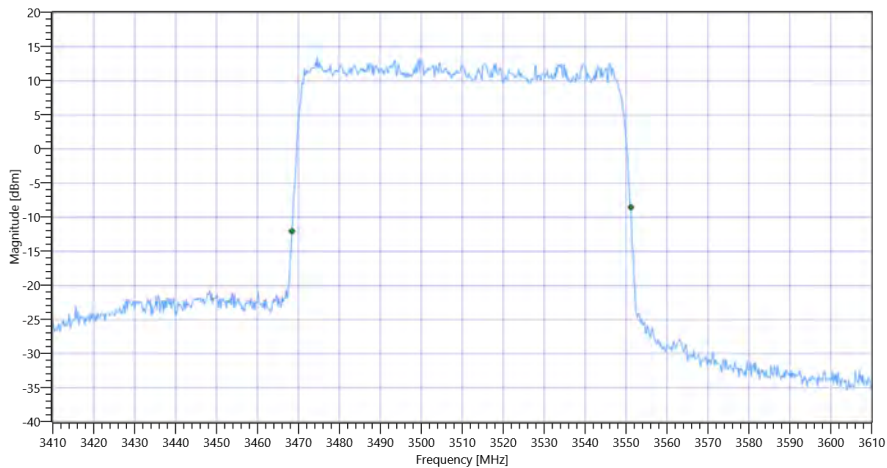
Test freq: high, UL[MHz]/CH 3510/0, CBW [MHz]: 80, RB\_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.71   0   25
Start [MHz]   Stop [MHz]	3410.000   3610.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	82.8	MHz	INFO



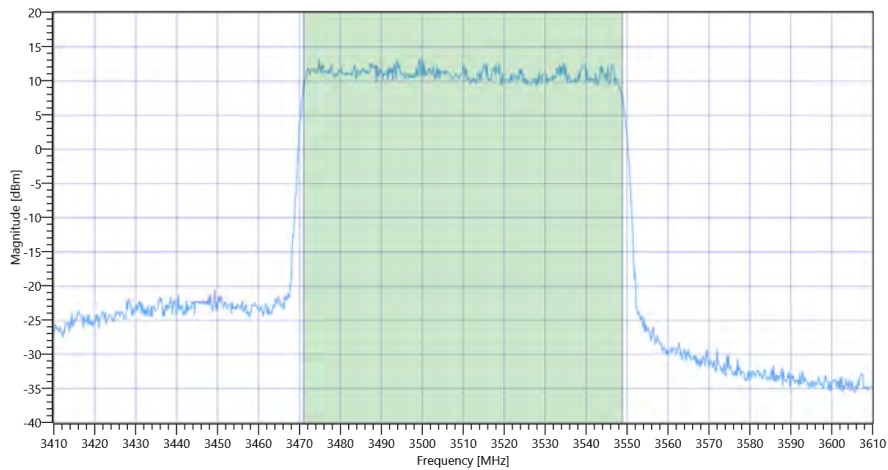
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.71   0   25
Start [MHz]   Stop [MHz]	3410.000   3610.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	77.722	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

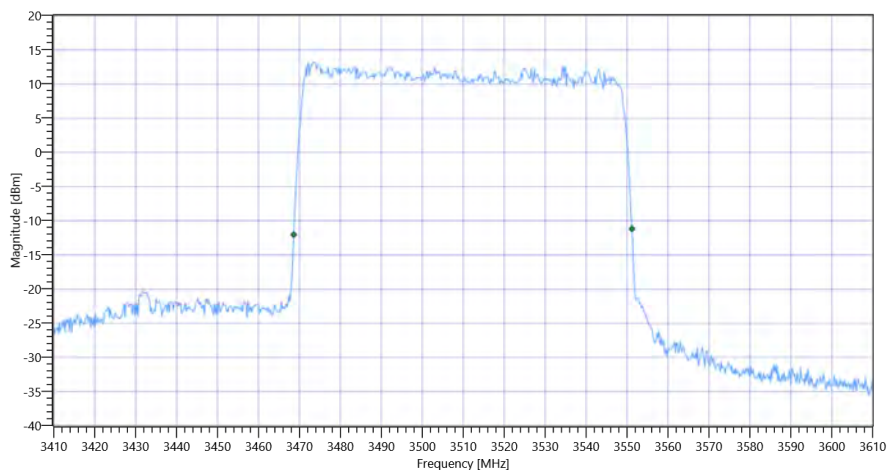
Test freq: high, UL[MHz]/CH 3510/0, CBW [MHz]: 80, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.52   0   25
Start [MHz]   Stop [MHz]	3410.000   3610.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

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



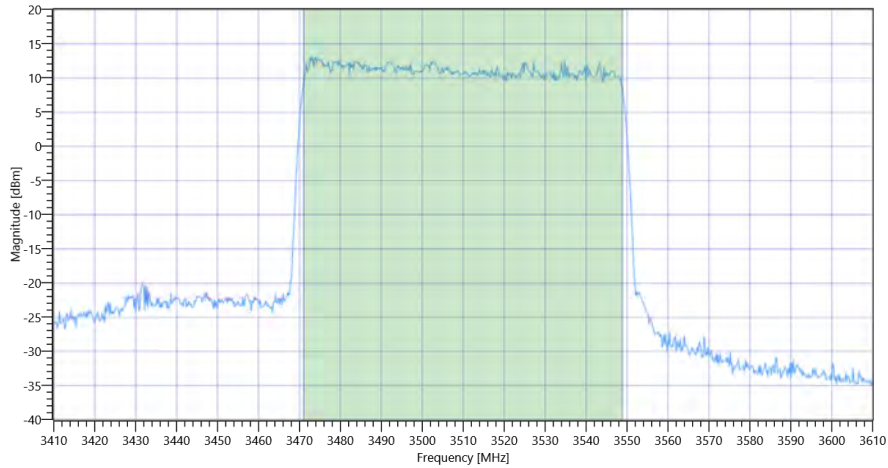
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.52   0   25
Start [MHz]   Stop [MHz]	3410.000   3610.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	77.922	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

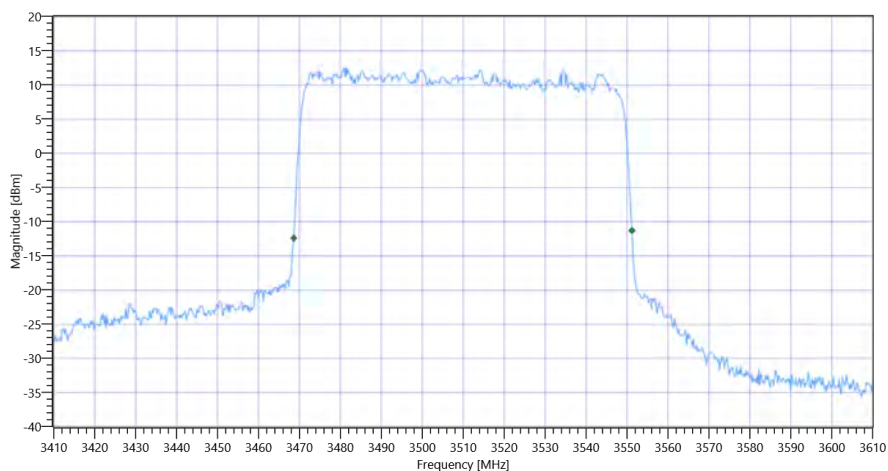
Test freq: high, UL[MHz]/CH 3510/0, CBW [MHz]: 80, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.65   0   25
Start [MHz]   Stop [MHz]	3410.000   3610.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

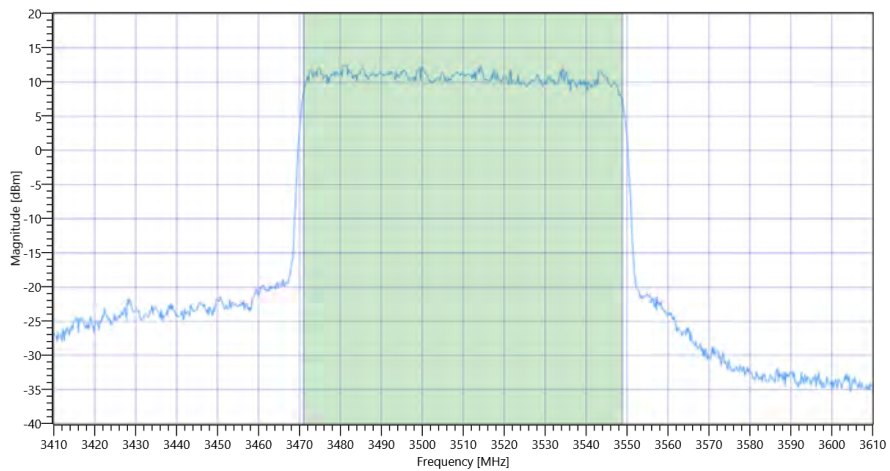
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.65   0   25
--	---------------

**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3410.000   3610.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	77.922	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

Test freq: high, UL[MHz]/CH 3510/0, CBW [MHz]: 80, RB\_100PCT, Mod: 256QAM

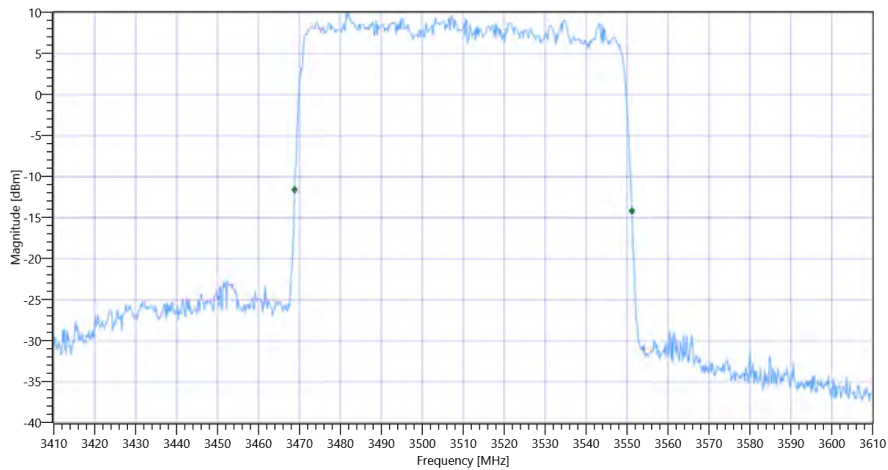
**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.23   0   25
Start [MHz]   Stop [MHz]	3410.000   3610.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	82.4	MHz	INFO





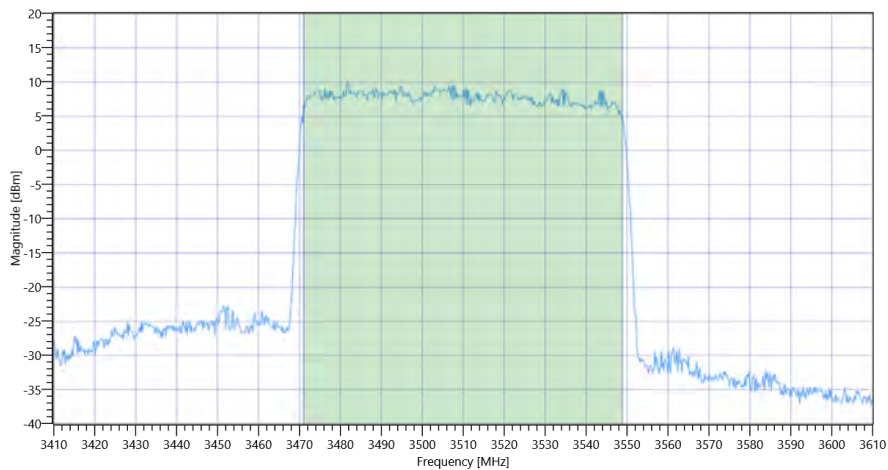
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.23   0   25
Start [MHz]   Stop [MHz]	3410.000   3610.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	77.922	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 18:31:27
Ambit Temp [°C]   Humidity [rel%]	26.7   47
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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

Test at BW [MHz]: 90

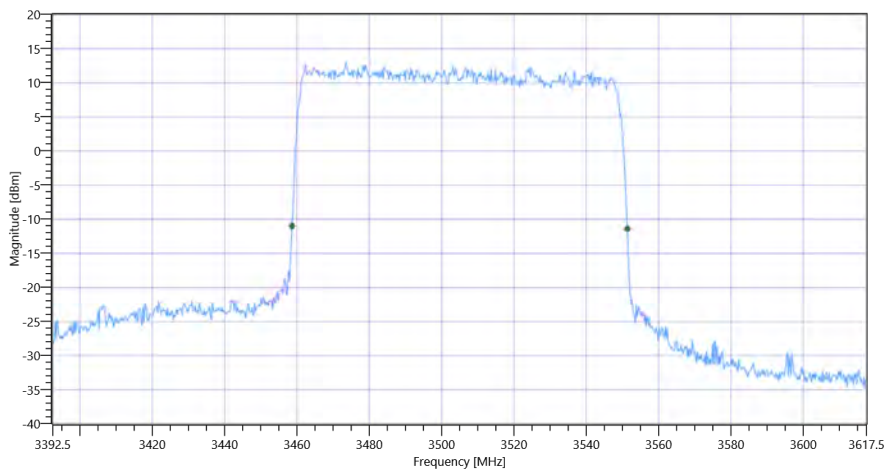
Test freq: high, UL[MHz]/CH 3505/0, CBW [MHz]: 90, RB\_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.63   0   25
Start [MHz]   Stop [MHz]	3392.500   3617.500
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	92.7	MHz	INFO



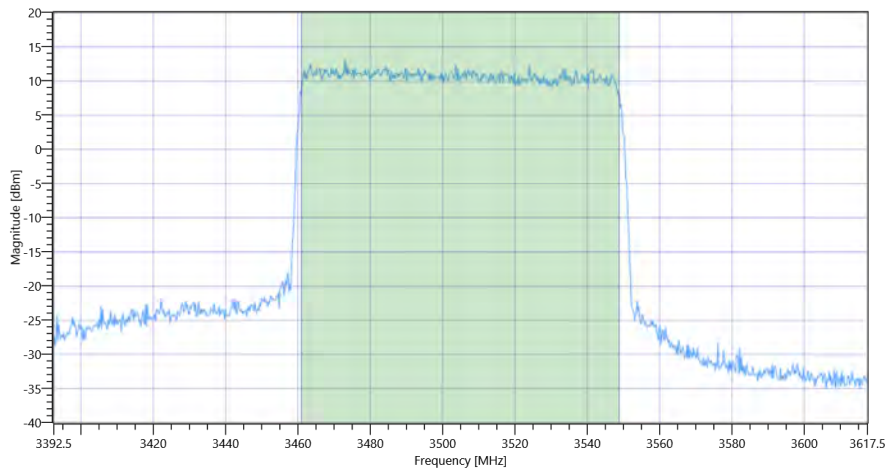
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.63   0   25
Start [MHz]   Stop [MHz]	3392.500   3617.500
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	87.887	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

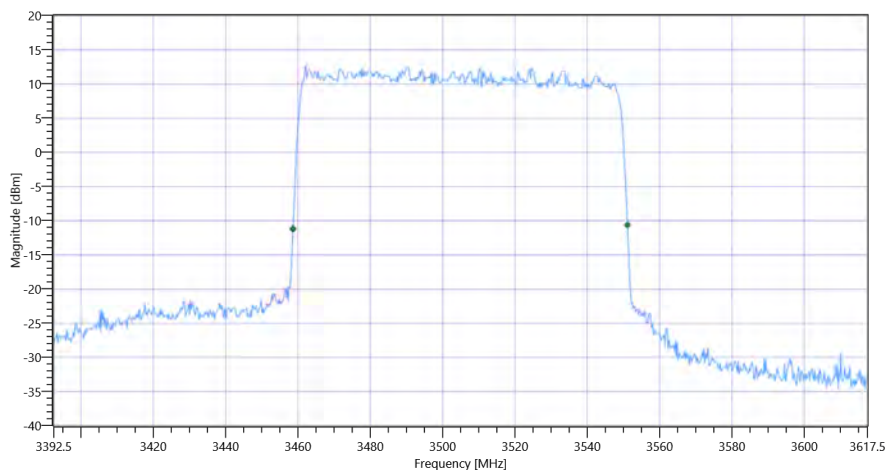
Test freq: high, UL[MHz]/CH 3505/0, CBW [MHz]: 90, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.21   0   25
Start [MHz]   Stop [MHz]	3392.500   3617.500
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	92.475	MHz	INFO



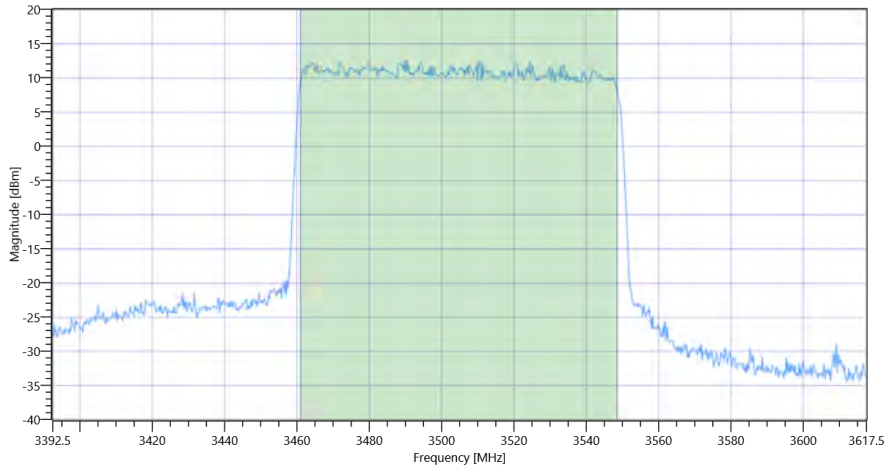
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.21   0   25
Start [MHz]   Stop [MHz]	3392.500   3617.500
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	87.662	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

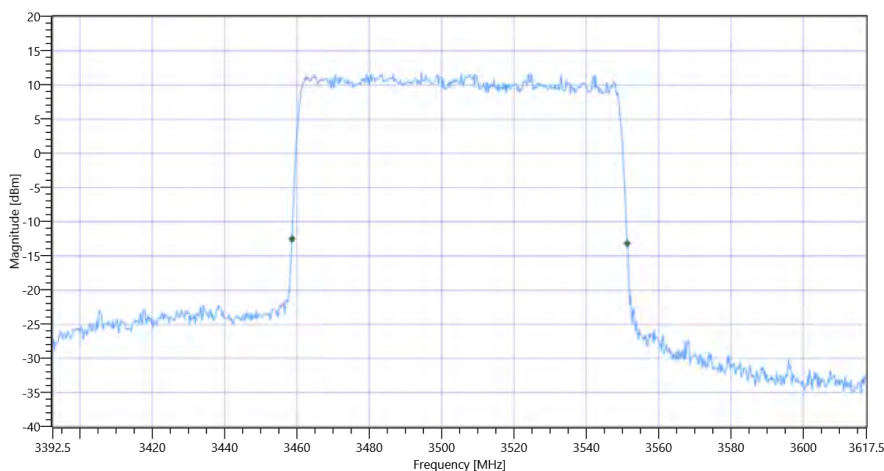
Test freq: high, UL[MHz]/CH 3505/0, CBW [MHz]: 90, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.66   0   25
Start [MHz]   Stop [MHz]	3392.500   3617.500
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	92.7	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

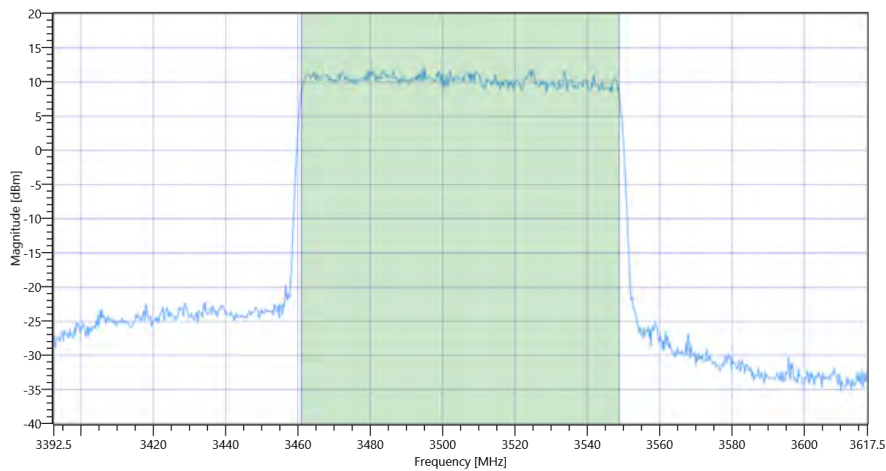
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.66   0   25
--	---------------

**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3392.500   3617.500
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	87.887	MHz	INFO



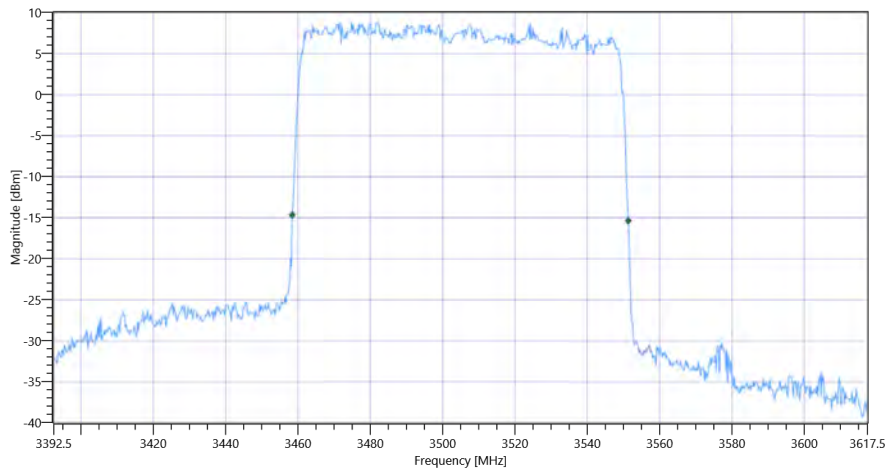
Test freq: high, UL[MHz]/CH 3505/0, CBW [MHz]: 90, RB\_100PCT, Mod: 256QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	5.93   0   20
Start [MHz]   Stop [MHz]	3392.500   3617.500
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	92.925	MHz	INFO



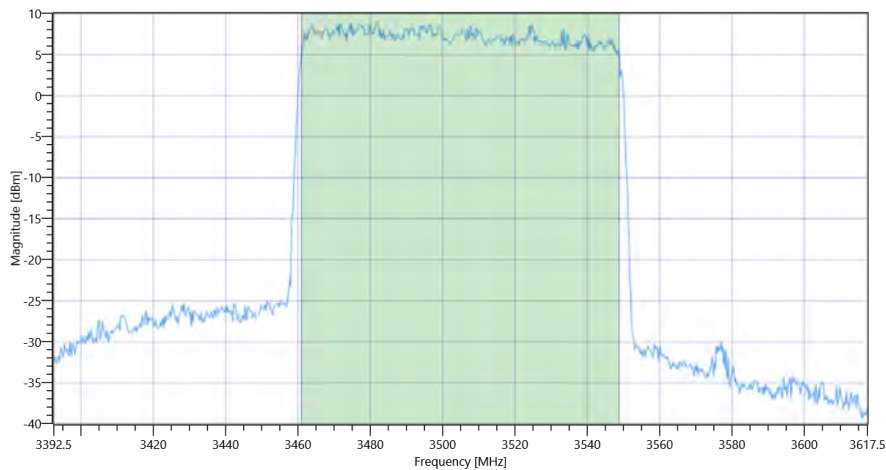
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	5.93   0   20
Start [MHz]   Stop [MHz]	3392.500   3617.500
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	87.887	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 17:21:26
Ambit Temp [°C]   Humidity [rel%]	27.5   42
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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



Test at BW [MHz]: 80

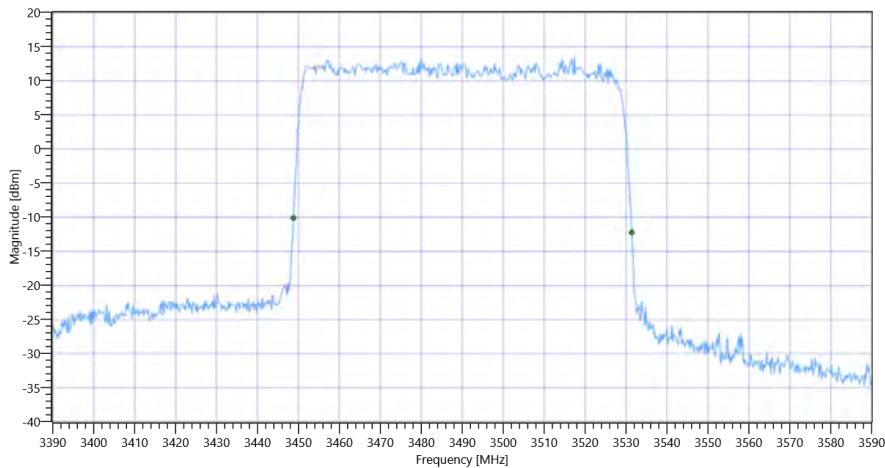
Test freq: low, UL[MHz]/CH 3490/0, CBW [MHz]: 80, RB\_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.18   0   25
Start [MHz]   Stop [MHz]	3390.000   3590.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

RESULT 26 dB

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



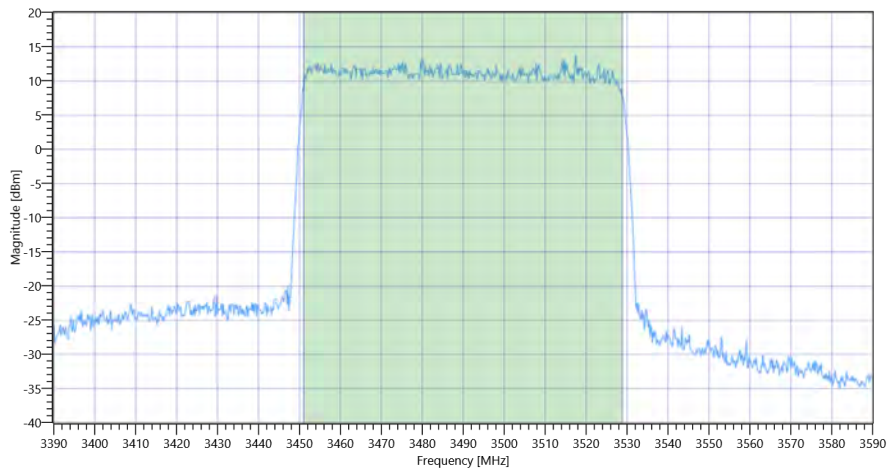
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.18   0   25
Start [MHz]   Stop [MHz]	3390.000   3590.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	77.722	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

Test freq: low, UL[MHz]/CH 3490/0, CBW [MHz]: 80, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.31   0   25
Start [MHz]   Stop [MHz]	3390.000   3590.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	82.4	MHz	INFO

FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.31   0   25
Start [MHz]   Stop [MHz]	3390.000   3590.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	77.722	MHz	INFO

FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

Test freq: low, UL[MHz]/CH 3490/0, CBW [MHz]: 80, RB\_100PCT, Mod: 64QAM

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.69   0   25
Start [MHz]   Stop [MHz]	3390.000   3590.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	82.4	MHz	INFO

FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.69   0   25
--	---------------

READ SA SETTINGS:	
Start [MHz]   Stop [MHz]	3390.000   3590.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

RESULT 99%					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	77.722	MHz	INFO

FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

Test freq: low, UL[MHz]/CH 3490/0, CBW [MHz]: 80, RB\_100PCT, Mod: 256QAM

READ SA SETTINGS:	
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.27   0   25
Start [MHz]   Stop [MHz]	3390.000   3590.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

RESULT 26 dB					
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	82.4	MHz	INFO

FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.27   0   25
Start [MHz]   Stop [MHz]	3390.000   3590.000
RBW [MHz]   VBW [MHz]	2.000000   10.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	77.922	MHz	INFO

FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 16:54:51
Ambit Temp [°C]   Humidity [rel%]	27.4   41
System Version	3.2.0.2
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	

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

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

### Test at BW [MHz]: 70

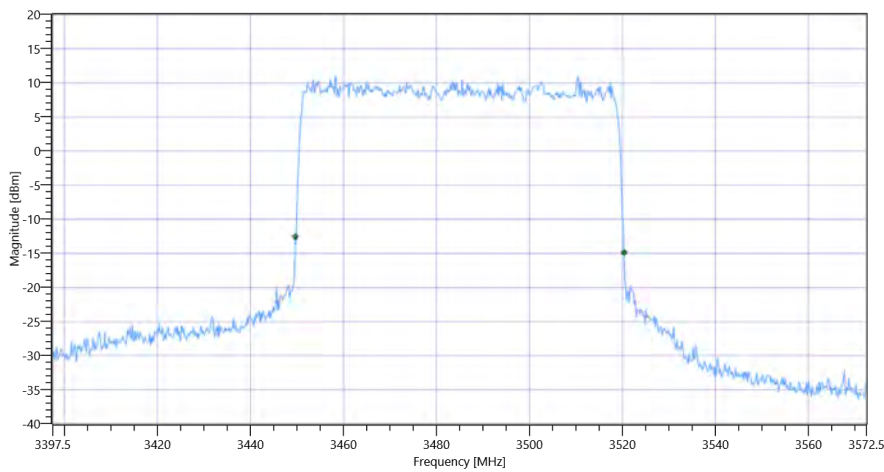
Test freq: low, UL[MHz]/CH 3485/0, CBW [MHz]: 70, RB\_100PCT, Mod: QPSK

#### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.39   0   30
Start [MHz]   Stop [MHz]	3397.500   3572.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

#### RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	70.7	MHz	INFO



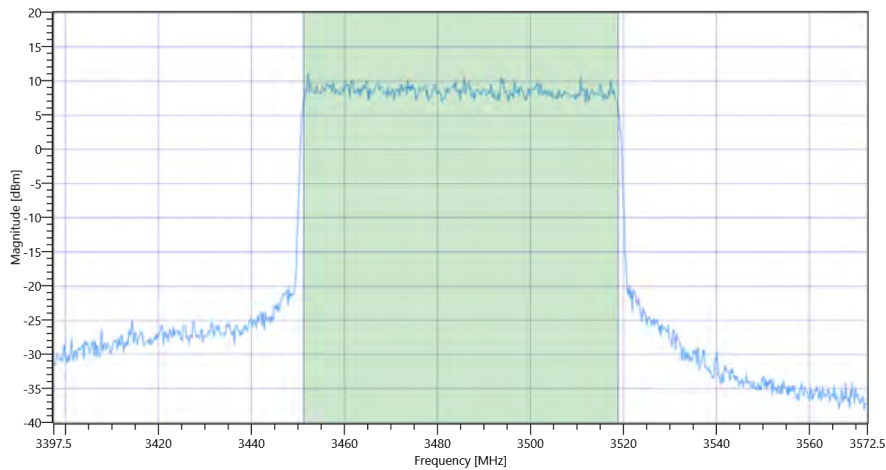
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

#### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.39   0   25
Start [MHz]   Stop [MHz]	3397.500   3572.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

#### RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	67.483	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

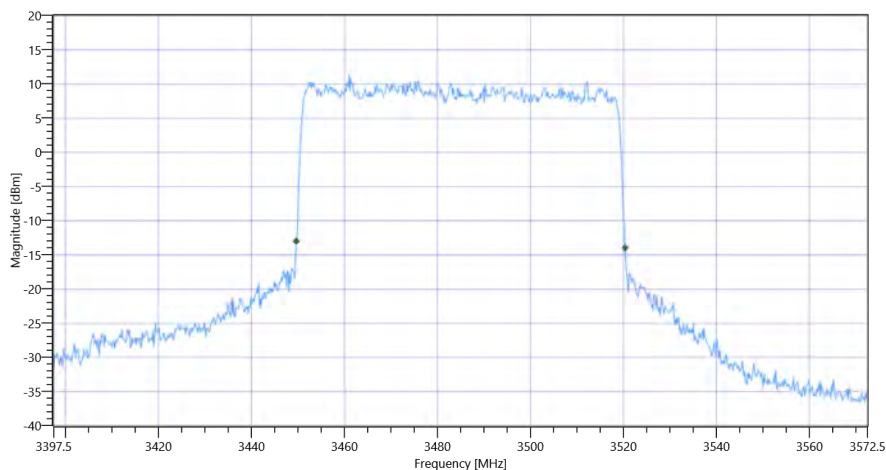
Test freq: low, UL[MHz]/CH 3485/0, CBW [MHz]: 70, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.74   0   25
Start [MHz]   Stop [MHz]	3397.500   3572.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	70.7	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

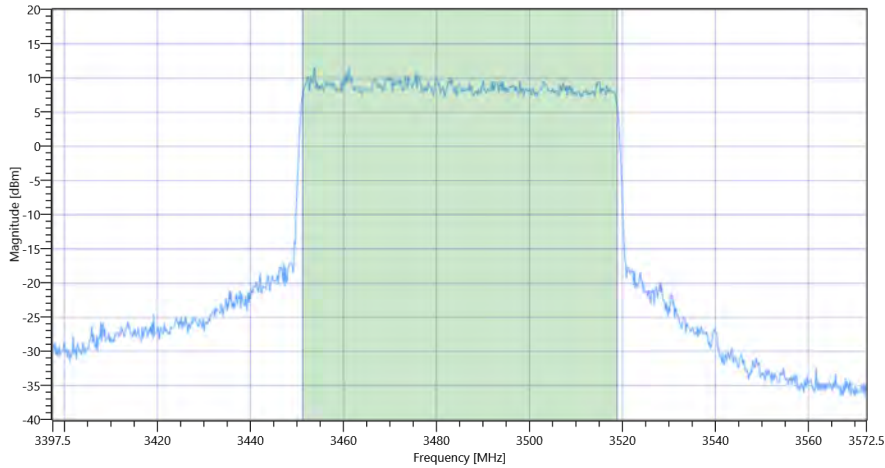
**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.74   0   25
Start [MHz]   Stop [MHz]	3397.500   3572.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE



**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	67.657	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

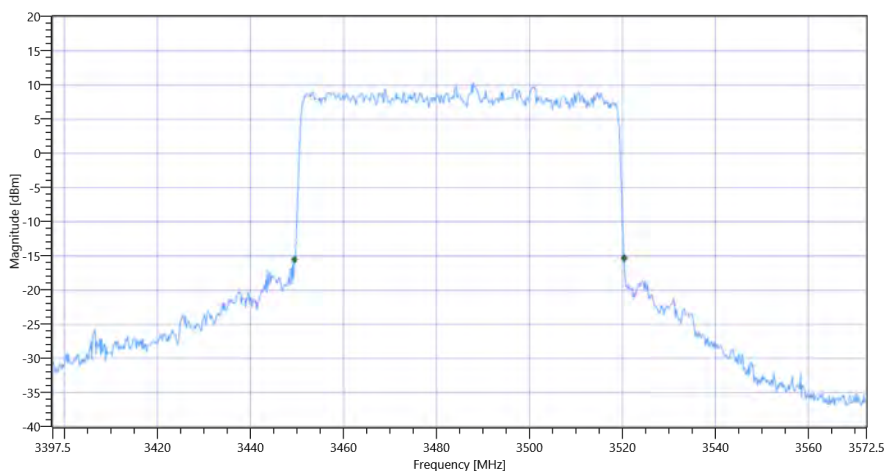
Test freq: low, UL[MHz]/CH 3485/0, CBW [MHz]: 70, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.63   0   25
Start [MHz]   Stop [MHz]	3397.500   3572.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	70.875	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

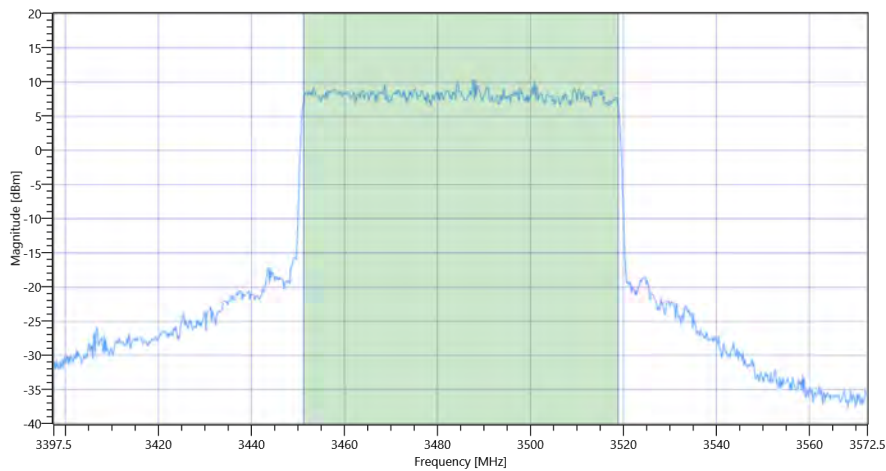
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.63   0   25
--	---------------

**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3397.500   3572.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	67.832	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

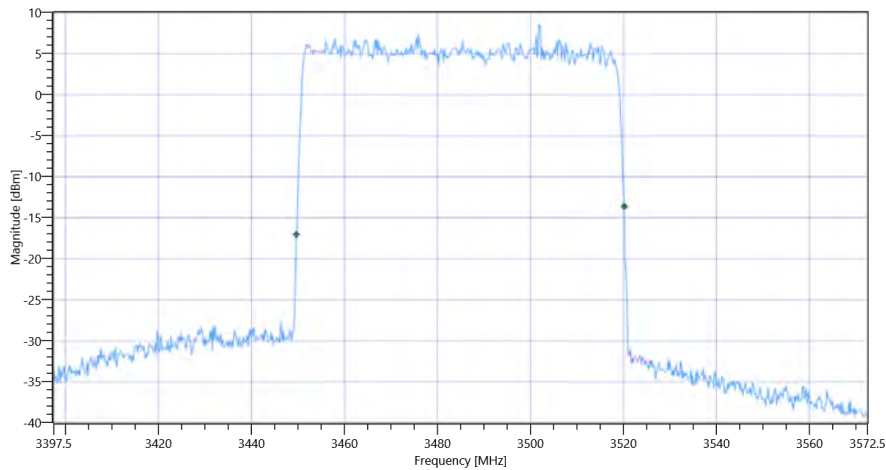
Test freq: low, UL[MHz]/CH 3485/0, CBW [MHz]: 70, RB\_100PCT, Mod: 256QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.94   0   25
Start [MHz]   Stop [MHz]	3397.500   3572.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	70.525	MHz	INFO



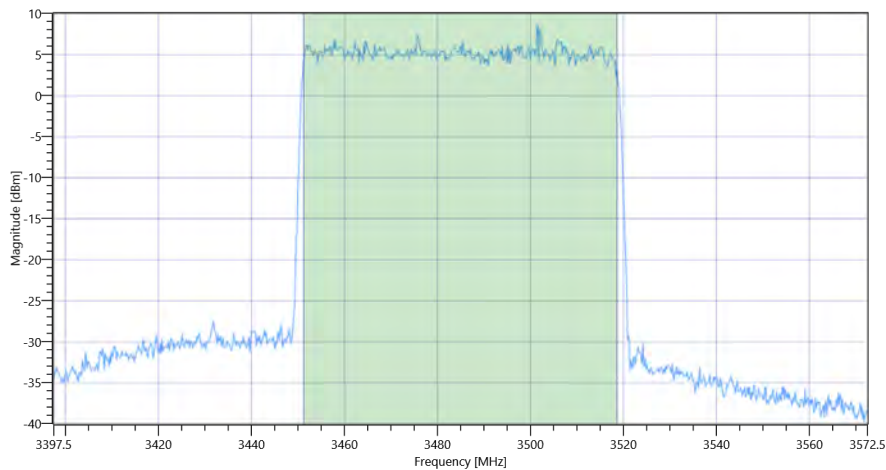
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.94   0   25
Start [MHz]   Stop [MHz]	3397.500   3572.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	67.308	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 16:09:46
Ambit Temp [°C]   Humidity [rel%]	27.3   42
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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

Test at BW [MHz]: 60

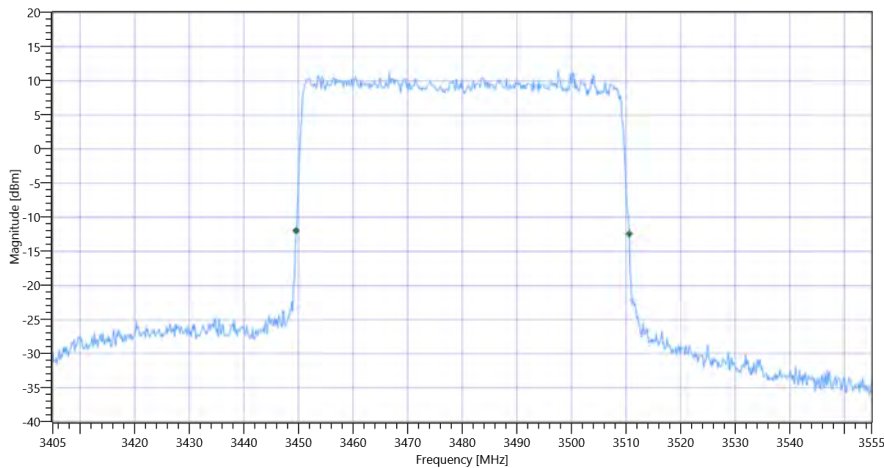
Test freq: low, UL[MHz]/CH 3480/0, CBW [MHz]: 60, RB\_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.98   0   30
Start [MHz]   Stop [MHz]	3405.000   3555.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	61.05	MHz	INFO



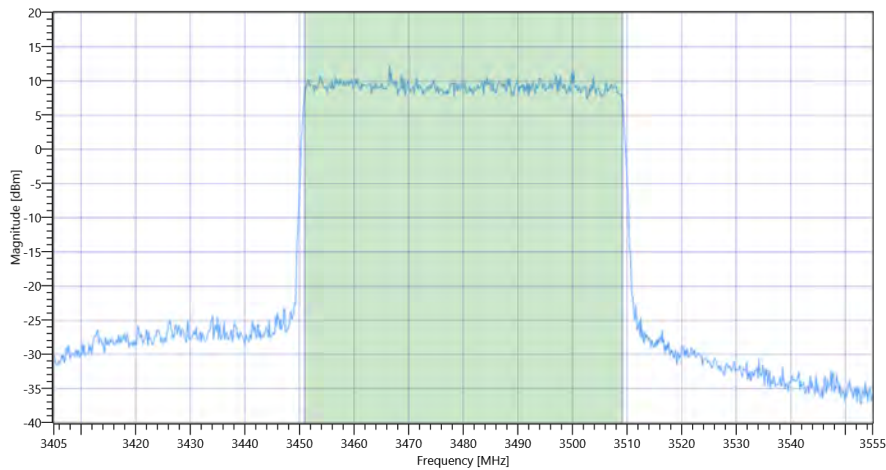
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.98   0   25
Start [MHz]   Stop [MHz]	3405.000   3555.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	58.142	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

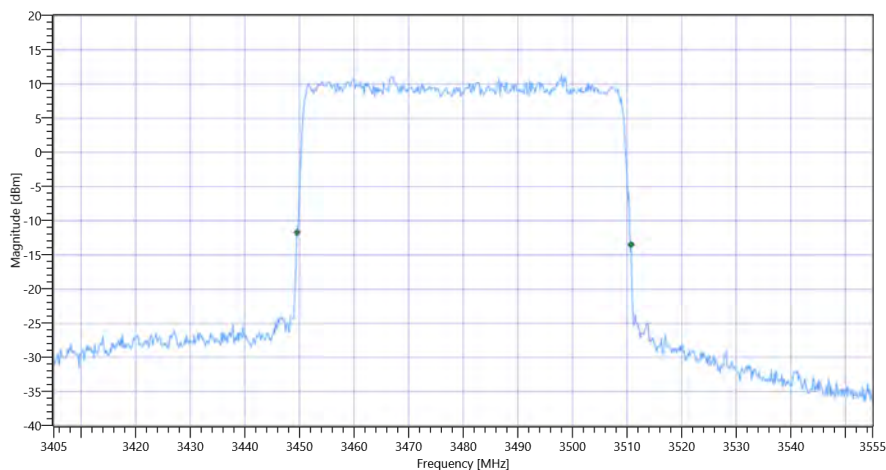
Test freq: low, UL[MHz]/CH 3480/0, CBW [MHz]: 60, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.59   0   25
Start [MHz]   Stop [MHz]	3405.000   3555.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	61.2	MHz	INFO



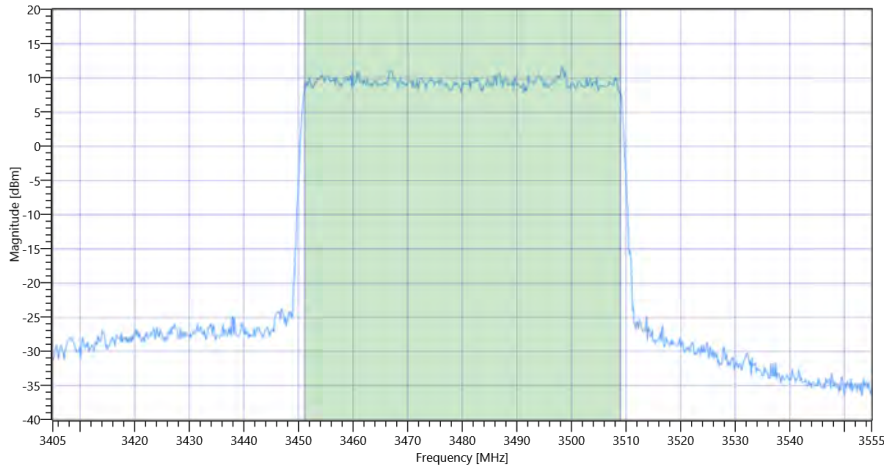
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.59   0   25
Start [MHz]   Stop [MHz]	3405.000   3555.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	57.842	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

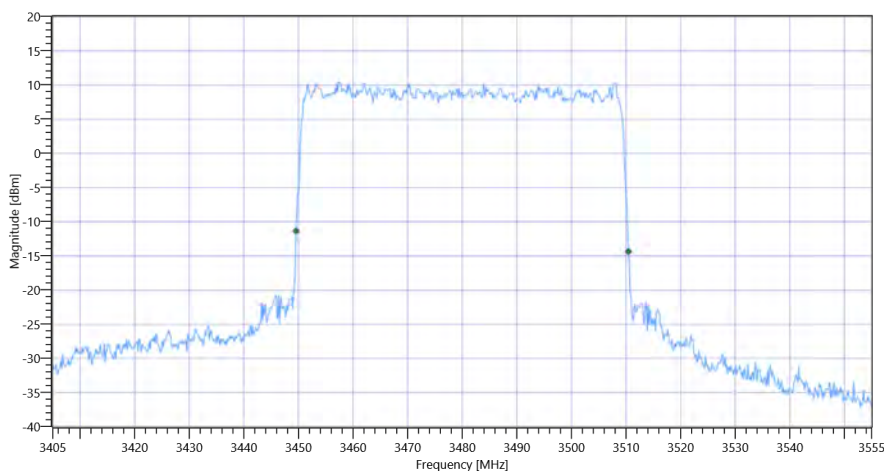
Test freq: low, UL[MHz]/CH 3480/0, CBW [MHz]: 60, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.95   0   25
Start [MHz]   Stop [MHz]	3405.000   3555.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	60.9	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

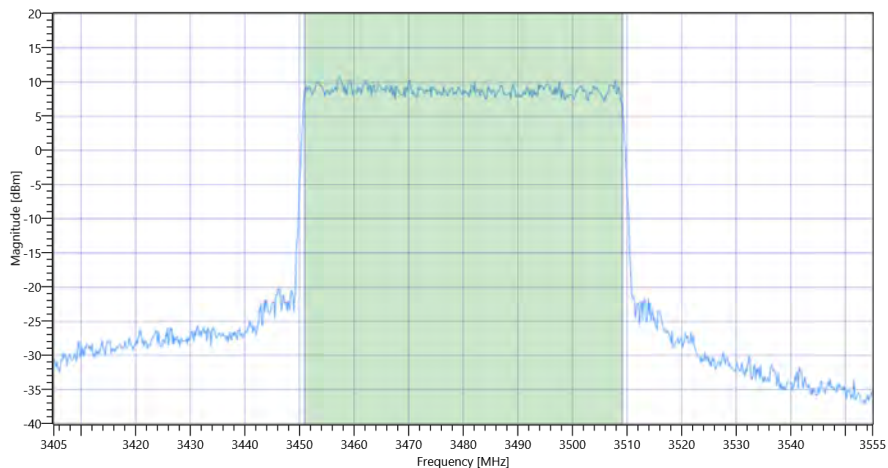
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.95   0   25
--	---------------

**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3405.000   3555.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	58.142	MHz	INFO



Test freq: low, UL[MHz]/CH 3480/0, CBW [MHz]: 60, RB\_100PCT, Mod: 256QAM

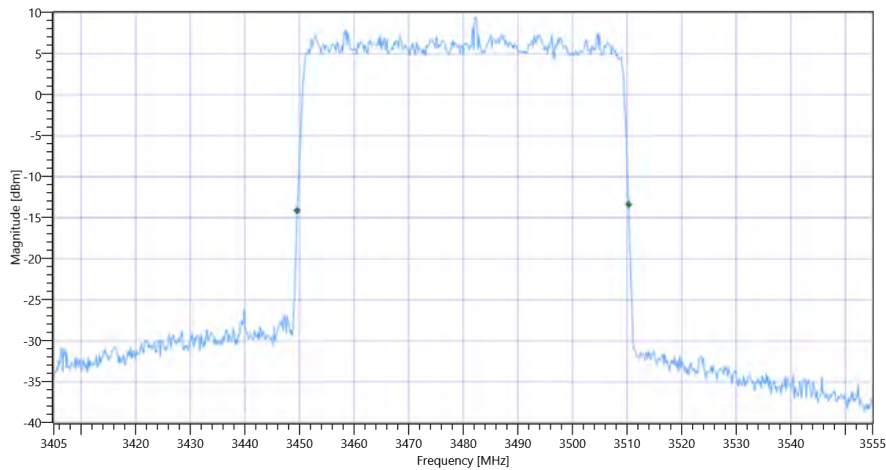
**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.84   0   25
Start [MHz]   Stop [MHz]	3405.000   3555.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

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





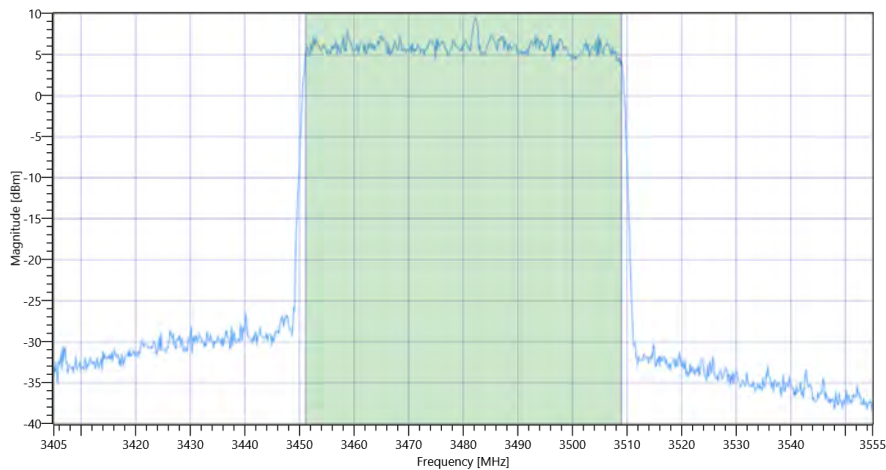
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.84   0   25
Start [MHz]   Stop [MHz]	3405.000   3555.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	57.842	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 15:44:10
Ambit Temp [°C]   Humidity [rel%]	27.3   42
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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

Test at BW [MHz]: 50

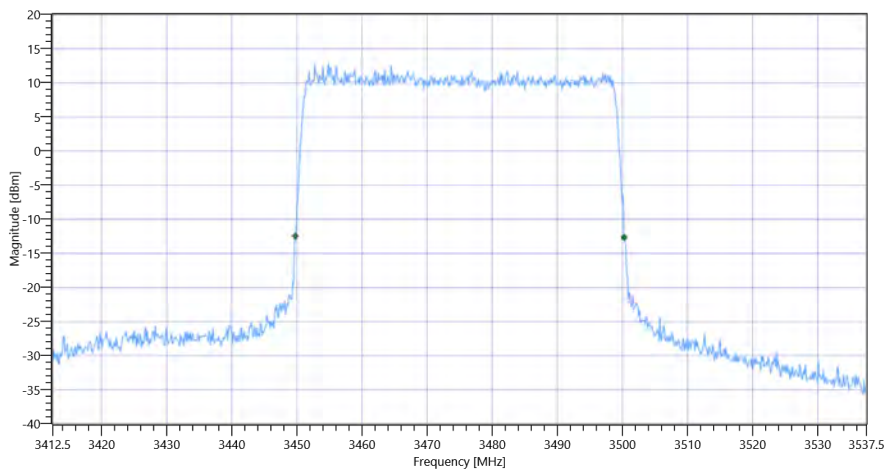
Test freq: low, UL[MHz]/CH 3475/0, CBW [MHz]: 50, RB\_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.19   0   30
Start [MHz]   Stop [MHz]	3412.500   3537.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	50.5	MHz	INFO



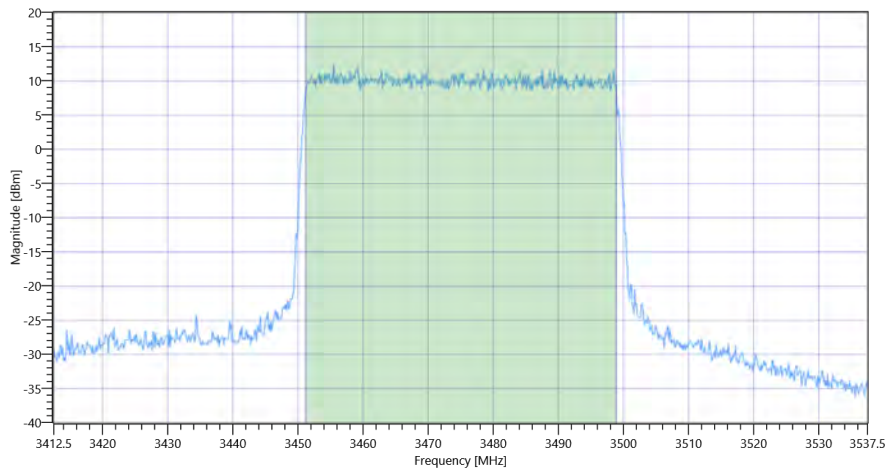
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.19   0   30
Start [MHz]   Stop [MHz]	3412.500   3537.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	47.702	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

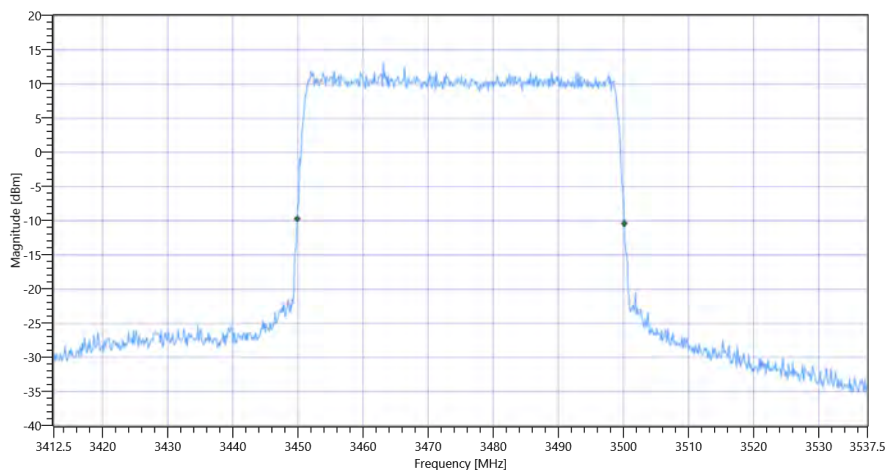
Test freq: low, UL[MHz]/CH 3475/0, CBW [MHz]: 50, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	12.51   0   30
Start [MHz]   Stop [MHz]	3412.500   3537.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	50.25	MHz	INFO



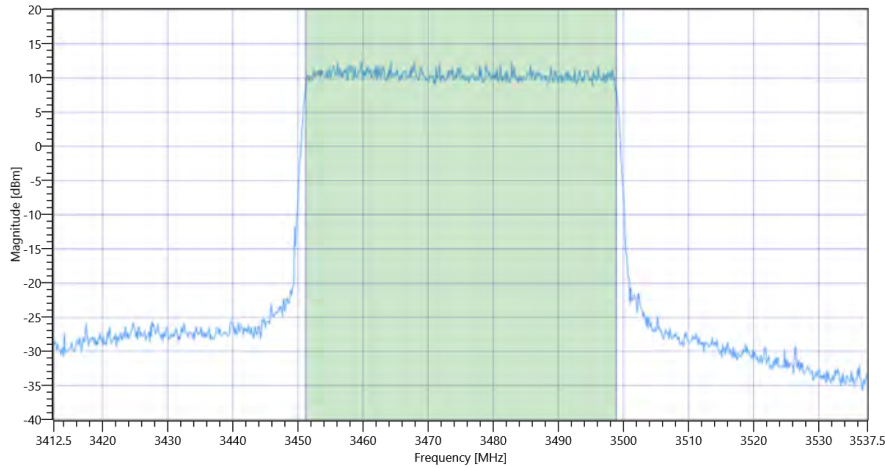
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	12.51   0   30
Start [MHz]   Stop [MHz]	3412.500   3537.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	47.702	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

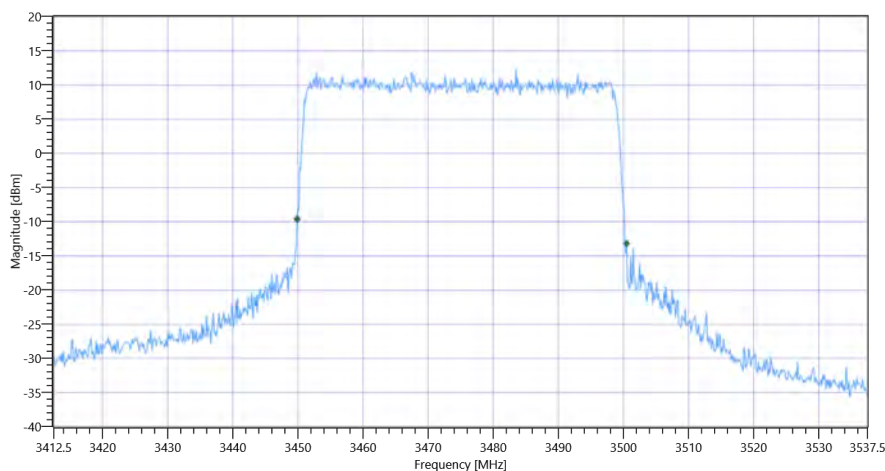
Test freq: low, UL[MHz]/CH 3475/0, CBW [MHz]: 50, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.83   0   30
Start [MHz]   Stop [MHz]	3412.500   3537.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	50.625	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

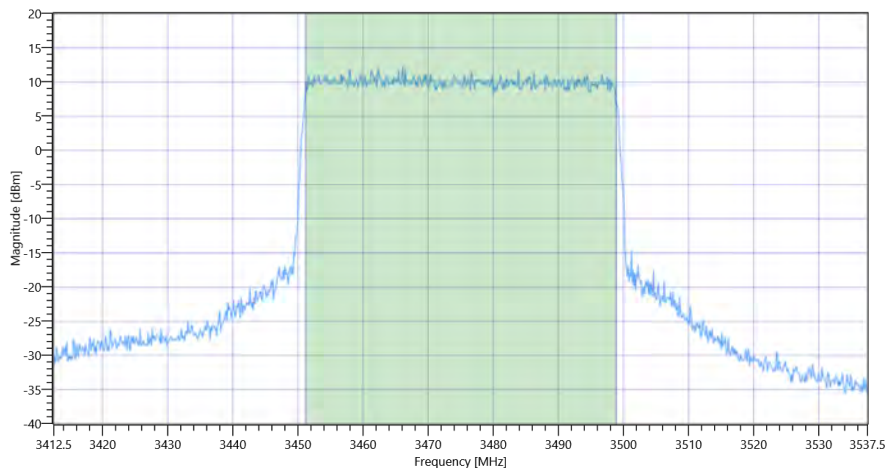
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.83   0   30
--	----------------

**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3412.500   3537.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	47.702	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

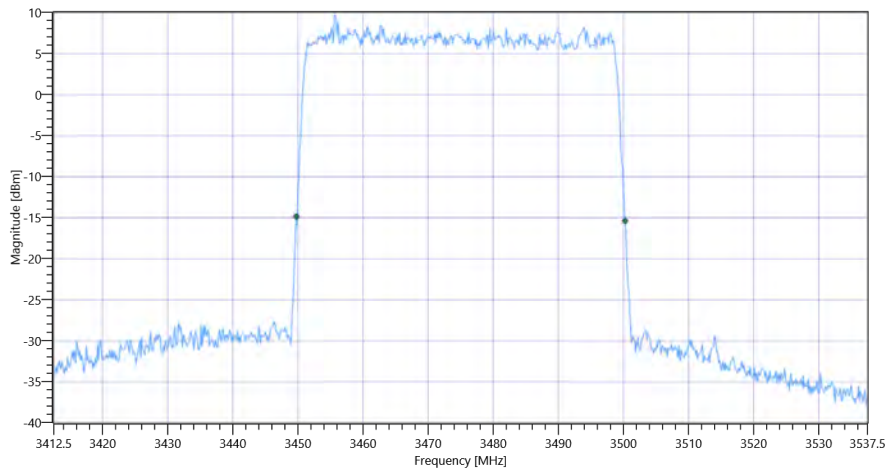
Test freq: low, UL[MHz]/CH 3475/0, CBW [MHz]: 50, RB\_100PCT, Mod: 256QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.05   0   25
Start [MHz]   Stop [MHz]	3412.500   3537.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	50.5	MHz	INFO



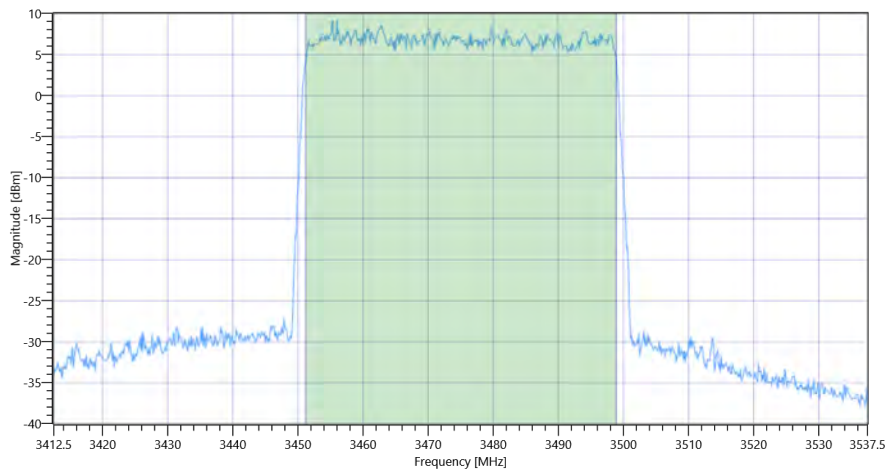
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.05   0   25
Start [MHz]   Stop [MHz]	3412.500   3537.500
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	47.702	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 14:59:25
Ambit Temp [°C]   Humidity [rel%]	27.3   43
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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



Test at BW [MHz]: 40

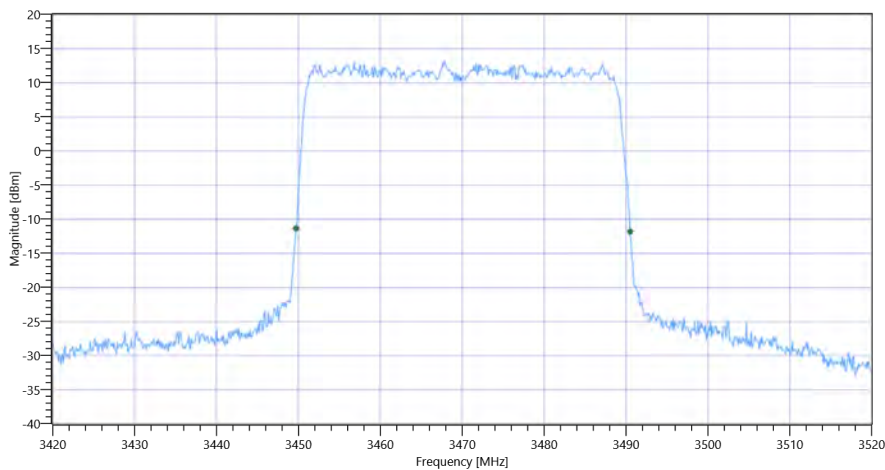
Test freq: low, UL[MHz]/CH 3470/0, CBW [MHz]: 40, RB\_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	12.54   0   30
Start [MHz]   Stop [MHz]	3420.000   3520.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.8	MHz	INFO



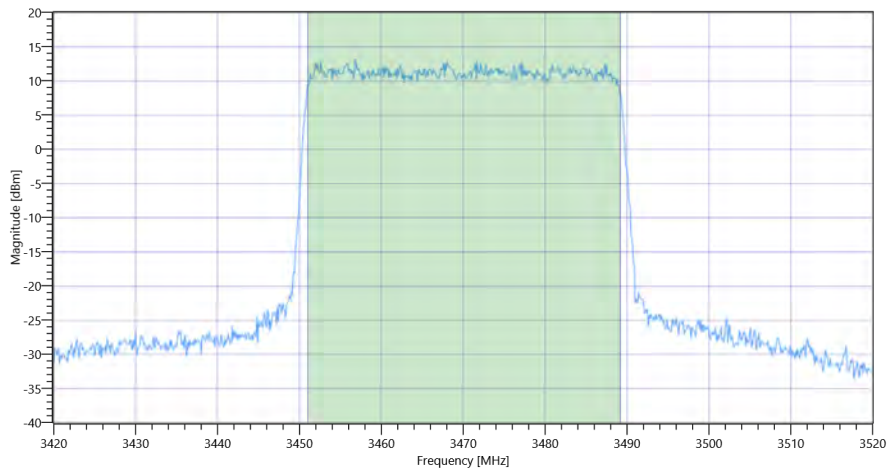
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	12.54   0   30
Start [MHz]   Stop [MHz]	3420.000   3520.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	38.162	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

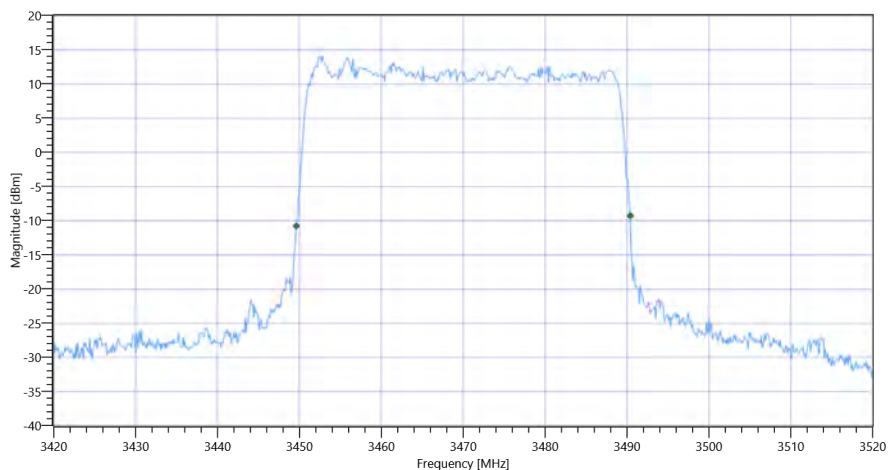
Test freq: low, UL[MHz]/CH 3470/0, CBW [MHz]: 40, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.20   0   30
Start [MHz]   Stop [MHz]	3420.000   3520.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.8	MHz	INFO



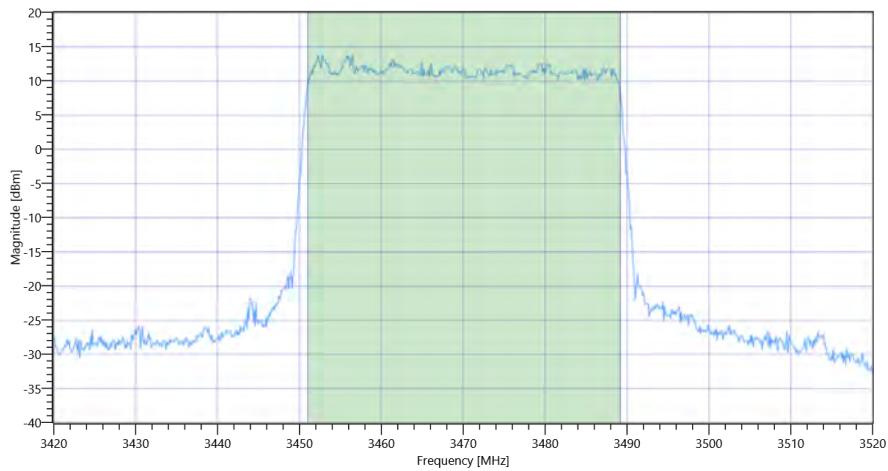
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.20   0   30
Start [MHz]   Stop [MHz]	3420.000   3520.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	38.062	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

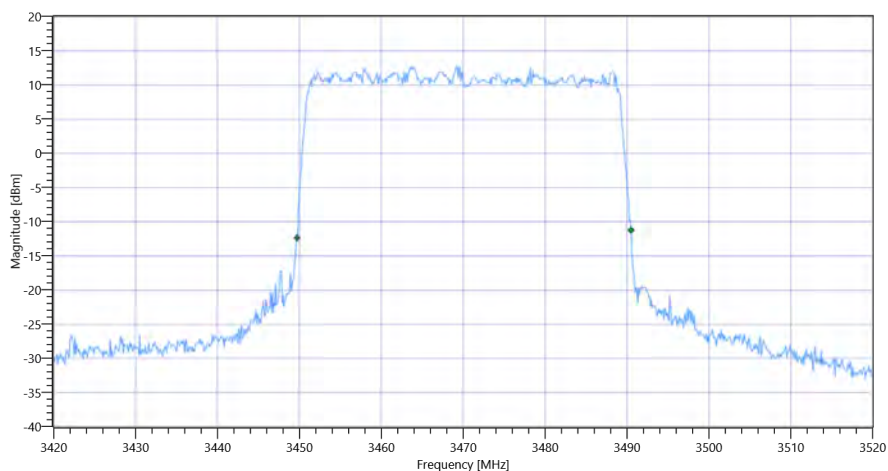
Test freq: low, UL[MHz]/CH 3470/0, CBW [MHz]: 40, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	12.17   0   30
Start [MHz]   Stop [MHz]	3420.000   3520.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	40.8	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

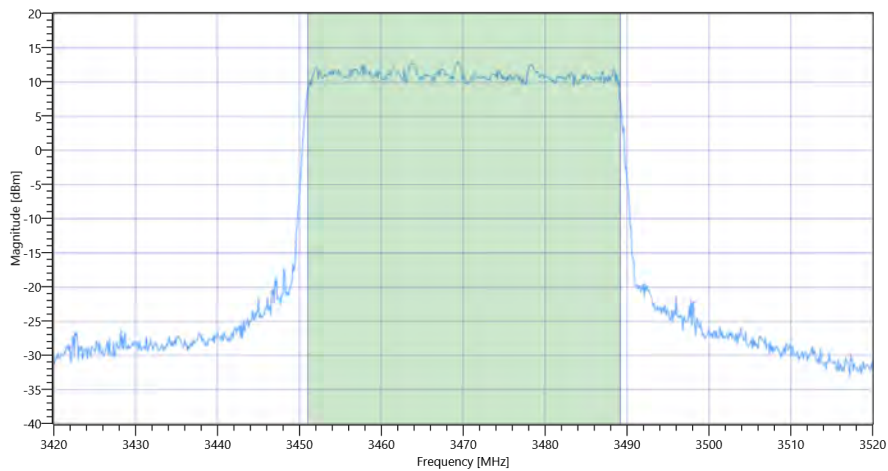
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	12.17   0   30
--	----------------

**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3420.000   3520.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	38.062	MHz	INFO



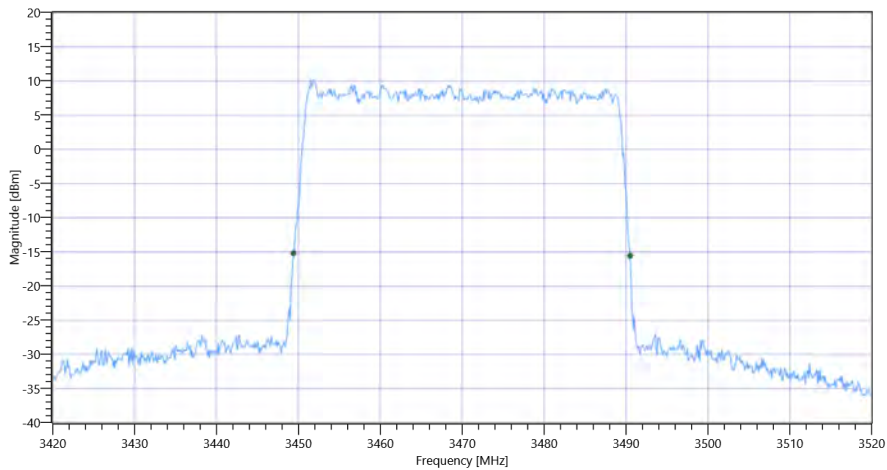
Test freq: low, UL[MHz]/CH 3470/0, CBW [MHz]: 40, RB\_100PCT, Mod: 256QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.79   0   25
Start [MHz]   Stop [MHz]	3420.000   3520.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	41.1	MHz	INFO



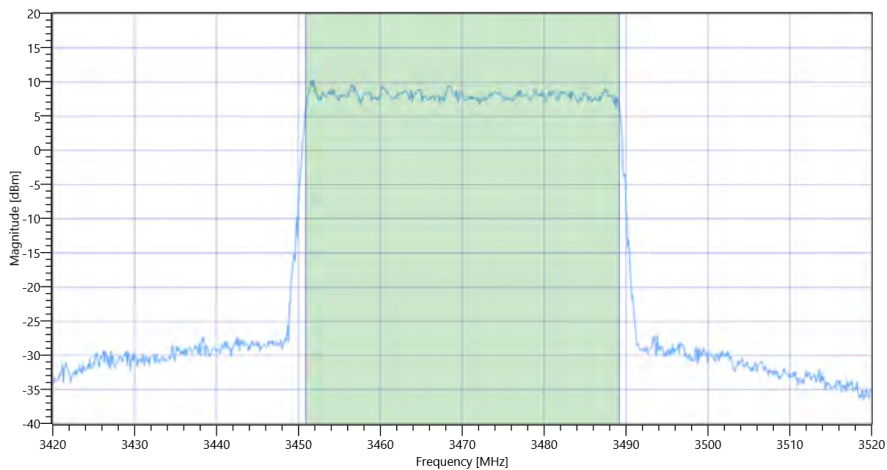
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.79   0   25
Start [MHz]   Stop [MHz]	3420.000   3520.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	38.262	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 14:34:32
Ambit Temp [°C]   Humidity [rel%]	27.3   43
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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

Test at BW [MHz]: 30

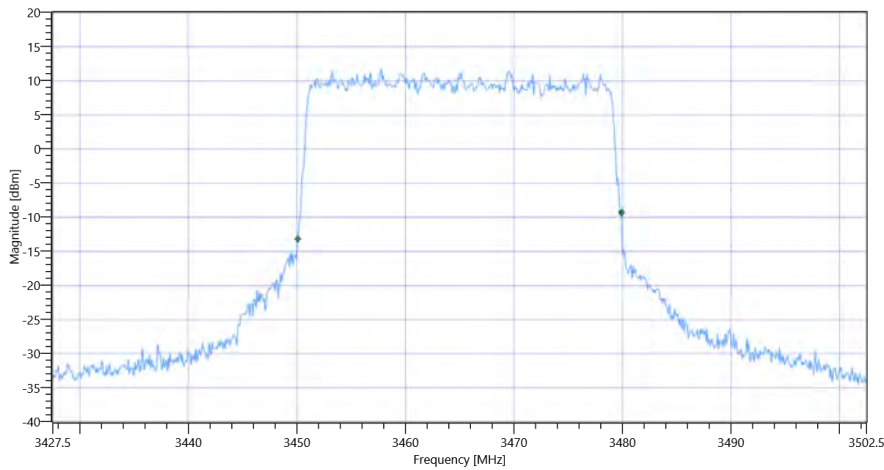
Test freq: low, UL[MHz]/CH 3465/0, CBW [MHz]: 30, RB\_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.75   0   30
Start [MHz]   Stop [MHz]	3427.500   3502.500
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

RESULT 26 dB

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	29.85	MHz	INFO



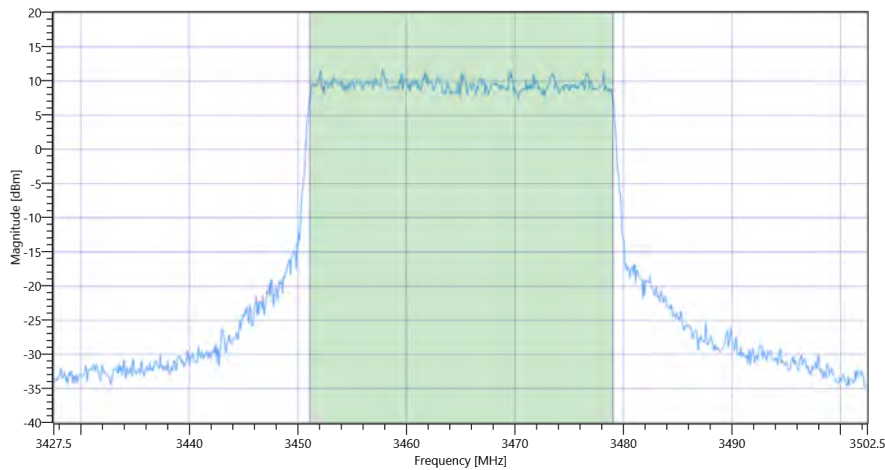
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.75   0   30
Start [MHz]   Stop [MHz]	3427.500   3502.500
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

RESULT 99%

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	27.947	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

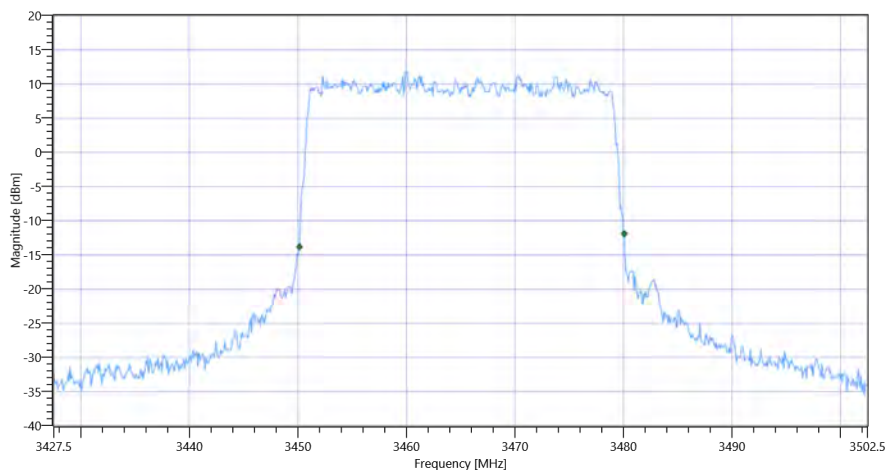
Test freq: low, UL[MHz]/CH 3465/0, CBW [MHz]: 30, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	14.04   0   30
Start [MHz]   Stop [MHz]	3427.500   3502.500
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	29.925	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

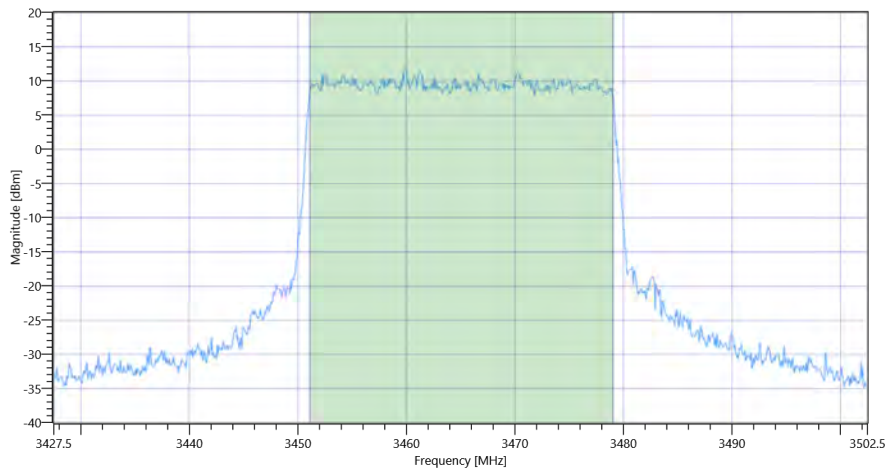
**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	14.04   0   30
Start [MHz]   Stop [MHz]	3427.500   3502.500
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE



**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	27.947	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

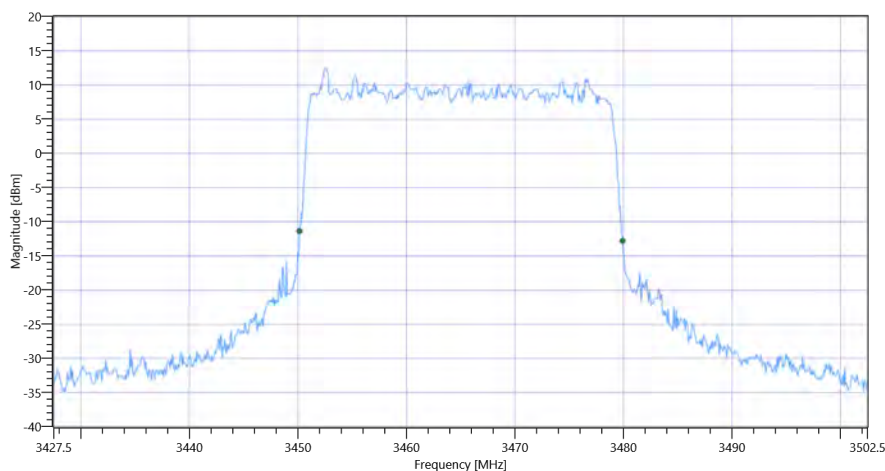
Test freq: low, UL[MHz]/CH 3465/0, CBW [MHz]: 30, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.96   0   30
Start [MHz]   Stop [MHz]	3427.500   3502.500
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	29.775	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

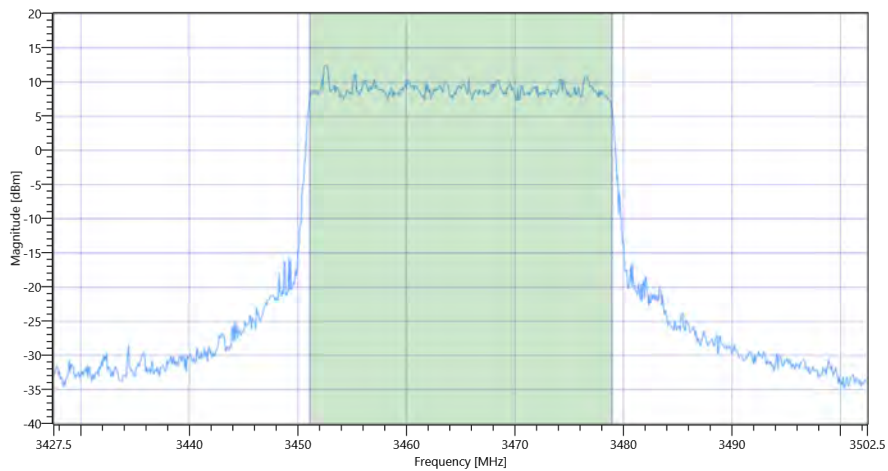
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	13.96   0   30
--	----------------

**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3427.500   3502.500
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	27.872	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

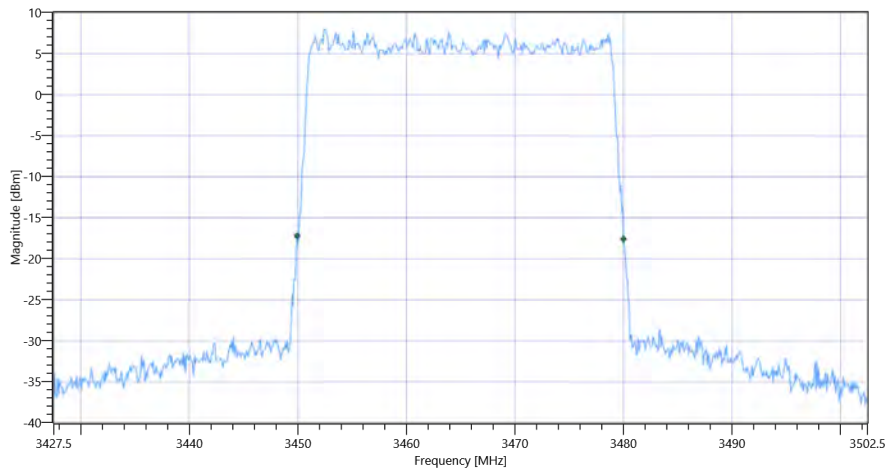
Test freq: low, UL[MHz]/CH 3465/0, CBW [MHz]: 30, RB\_100PCT, Mod: 256QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.74   0   25
Start [MHz]   Stop [MHz]	3427.500   3502.500
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 26dB	---	---	30.075	MHz	INFO



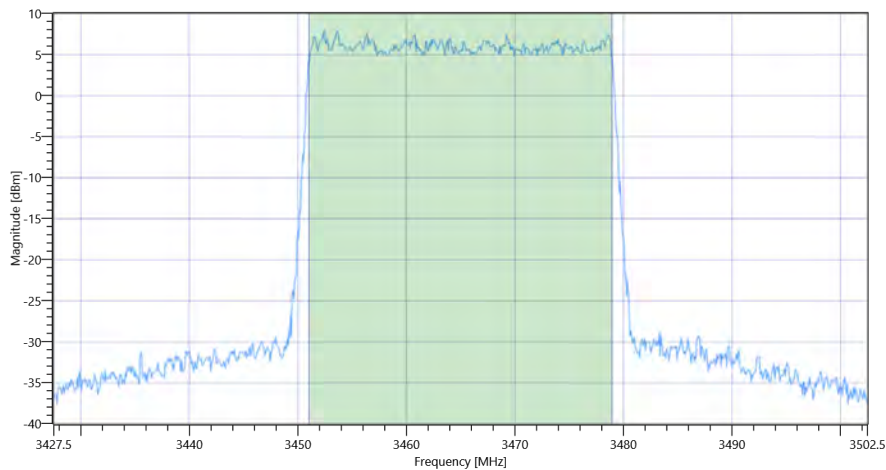
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.74   0   25
Start [MHz]   Stop [MHz]	3427.500   3502.500
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Bandwidth 99%	---	---	27.947	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 14:08:37
Ambit Temp [°C]   Humidity [rel%]	27.1   44
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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

### Test at BW [MHz]: 20

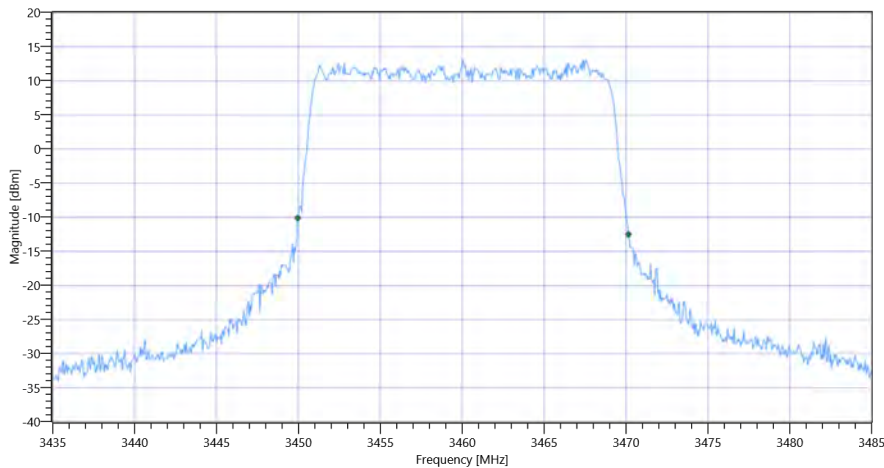
Test freq: low, UL[MHz]/CH 3460/0, CBW [MHz]: 20, RB\_100PCT, Mod: QPSK

#### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	14.83   0   30
Start [MHz]   Stop [MHz]	3435.000   3485.000
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

#### RESULT 26 dB

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



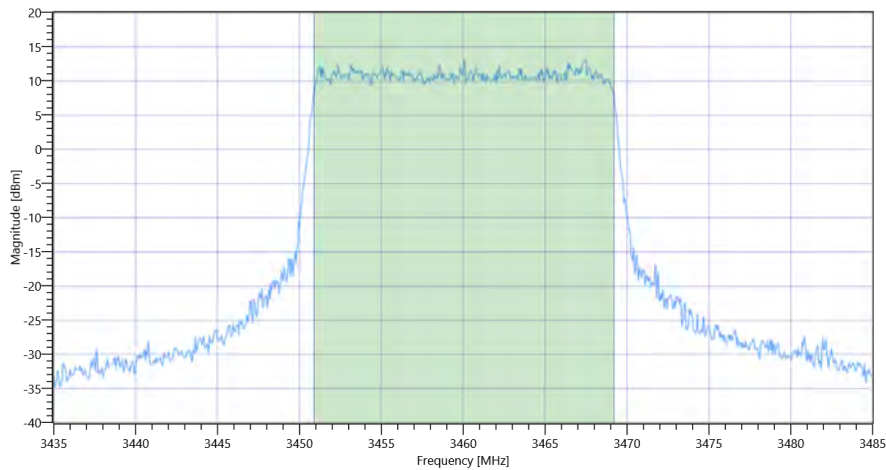
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

#### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	14.83   0   30
Start [MHz]   Stop [MHz]	3435.000   3485.000
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

#### RESULT 99%

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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

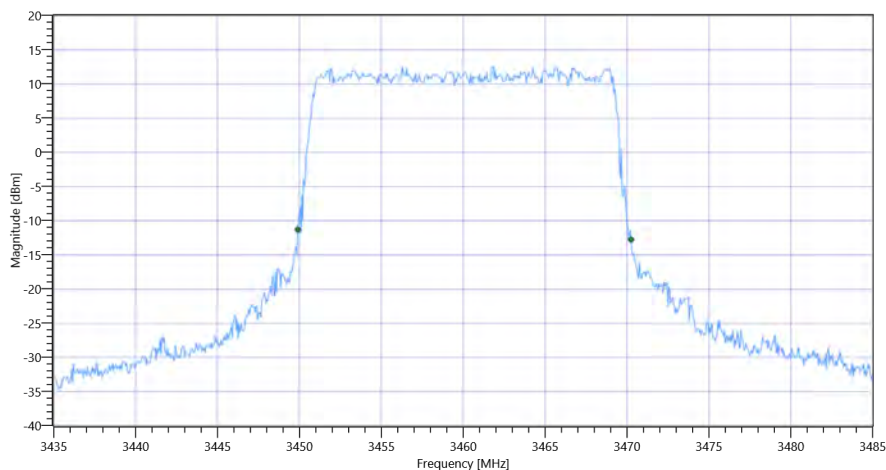
Test freq: low, UL[MHz]/CH 3460/0, CBW [MHz]: 20, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	14.78   0   30
Start [MHz]   Stop [MHz]	3435.000   3485.000
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

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



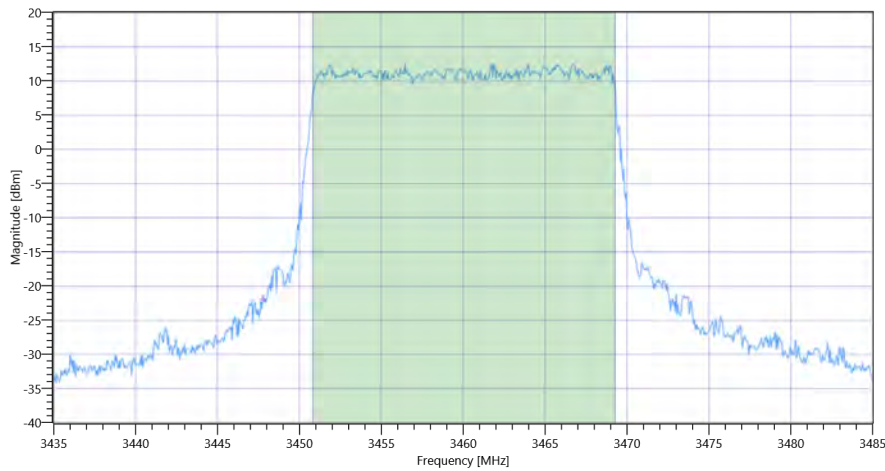
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	14.78   0   30
Start [MHz]   Stop [MHz]	3435.000   3485.000
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

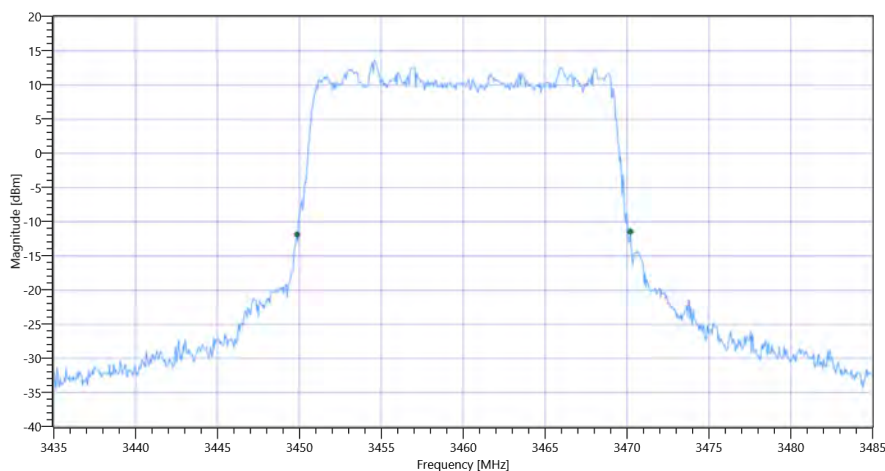
Test freq: low, UL[MHz]/CH 3460/0, CBW [MHz]: 20, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	14.97   0   30
Start [MHz]   Stop [MHz]	3435.000   3485.000
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

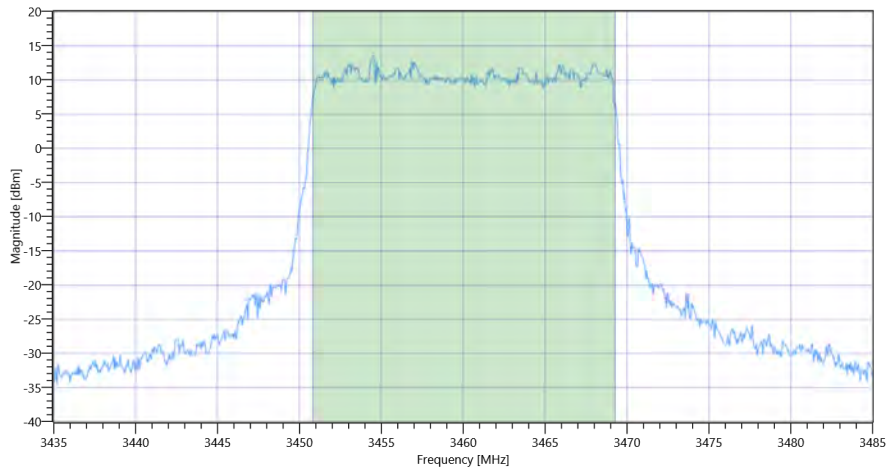
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	14.97   0   30
--	----------------

**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3435.000   3485.000
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

Test freq: low, UL[MHz]/CH 3460/0, CBW [MHz]: 20, RB\_100PCT, Mod: 256QAM

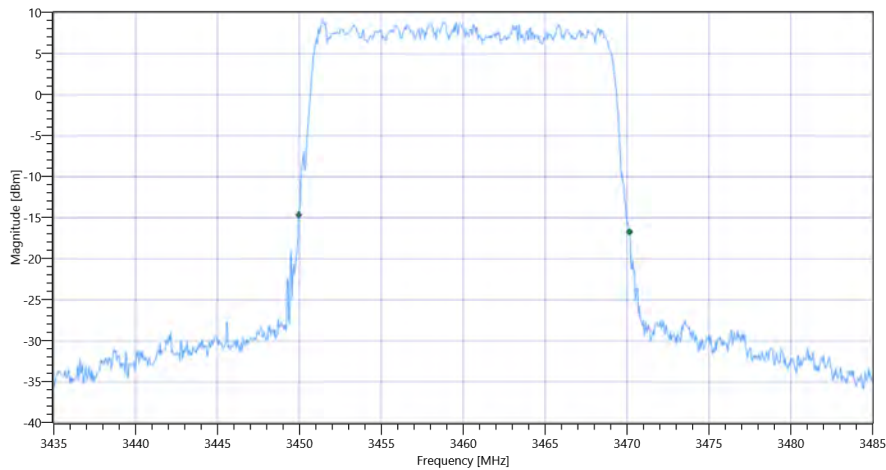
**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.70   0   30
Start [MHz]   Stop [MHz]	3435.000   3485.000
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 26 dB**

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





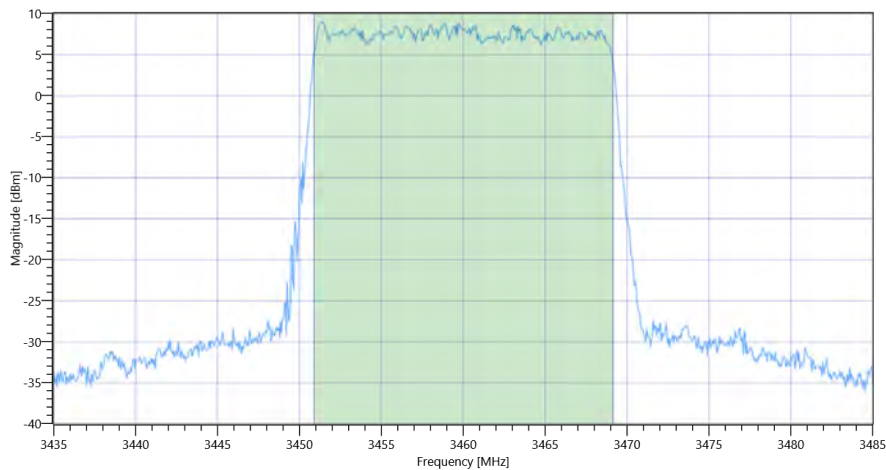
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.70   0   30
Start [MHz]   Stop [MHz]	3435.000   3485.000
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

**RESULT 99%**

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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30

Test References	
TC Start	30.06.2022 13:42:13
Ambit Temp [°C]   Humidity [rel%]	27.0   45
System Version	3.2.0.2
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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

### Test at BW [MHz]: 10

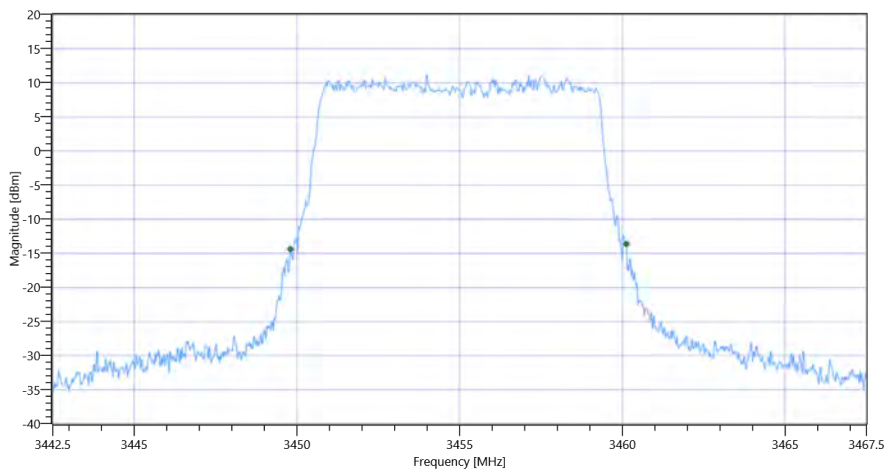
Test freq: low, UL[MHz]/CH 3455/0, CBW [MHz]: 10, RB\_100PCT, Mod: QPSK

#### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	16.73   0   35
Start [MHz]   Stop [MHz]	3442.500   3467.500
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	---	---	10.325	MHz	INFO



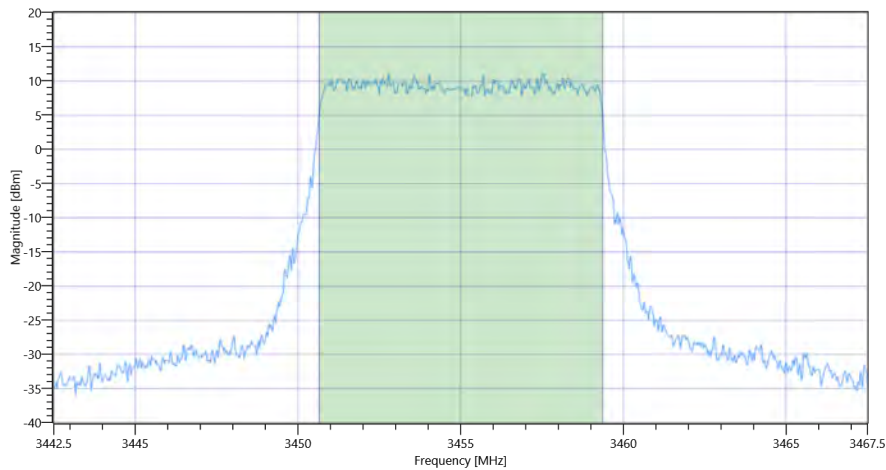
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

#### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	16.73   0   35
Start [MHz]   Stop [MHz]	3442.500   3467.500
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%	---	---	8.691	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

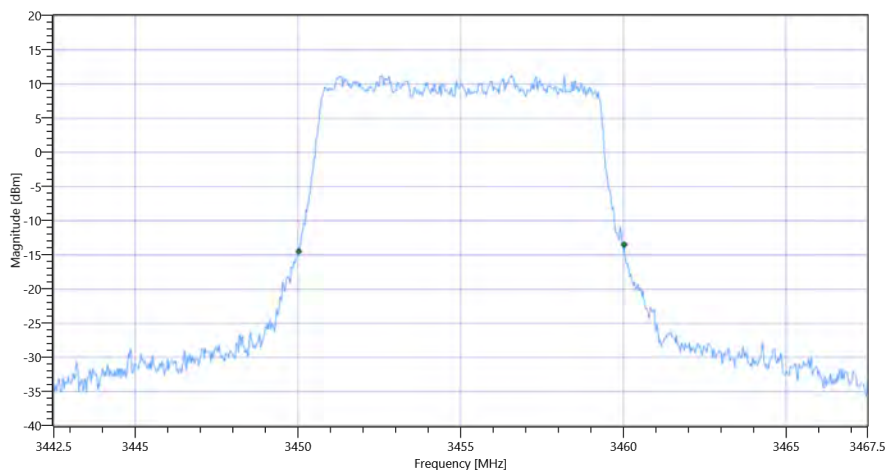
Test freq: low, UL[MHz]/CH 3455/0, CBW [MHz]: 10, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	17.91   0   35
Start [MHz]   Stop [MHz]	3442.500   3467.500
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	MHz	INFO



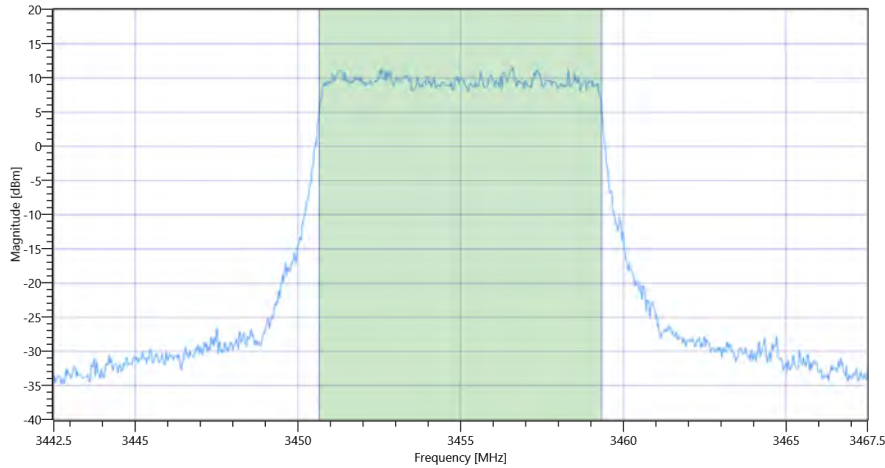
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	17.91   0   35
Start [MHz]   Stop [MHz]	3442.500   3467.500
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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

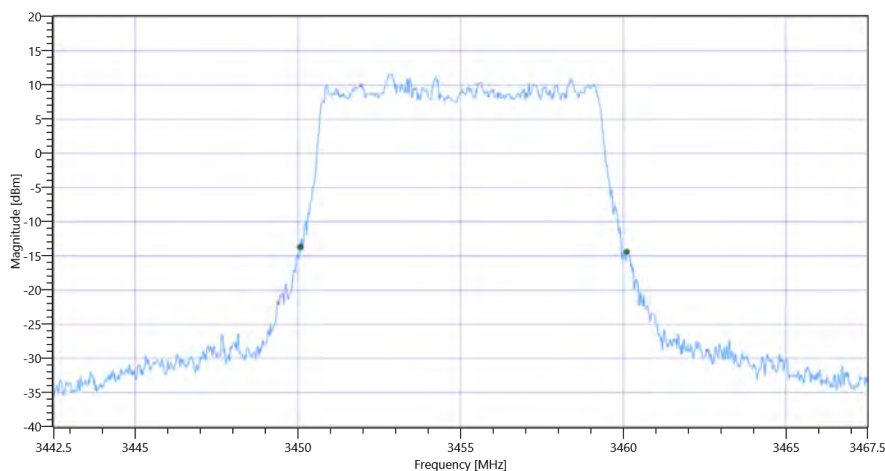
Test freq: low, UL[MHz]/CH 3455/0, CBW [MHz]: 10, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	18.33   0   35
Start [MHz]   Stop [MHz]	3442.500   3467.500
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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

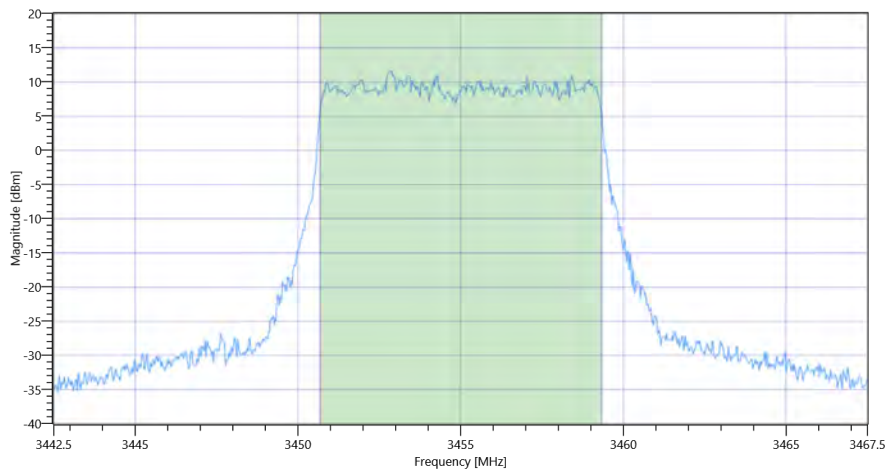
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	18.33   0   35
--	----------------

**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3442.500   3467.500
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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

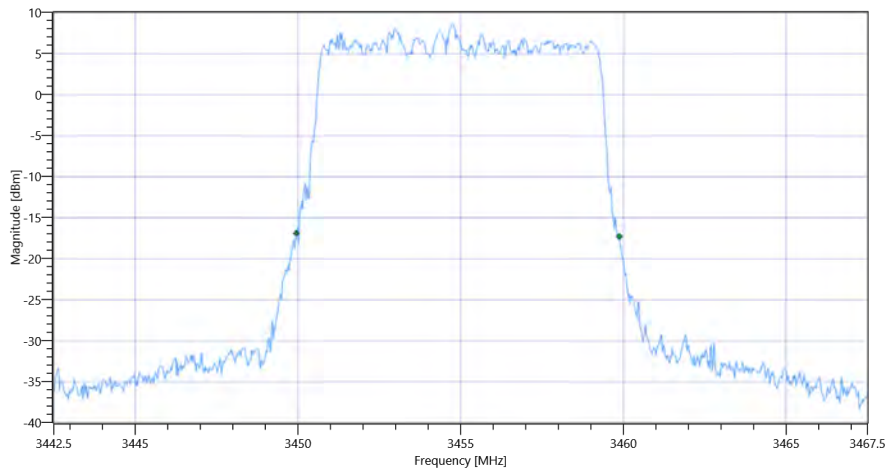
Test freq: low, UL[MHz]/CH 3455/0, CBW [MHz]: 10, RB\_100PCT, Mod: 256QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	14.93   0   30
Start [MHz]   Stop [MHz]	3442.500   3467.500
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	---	---	9.925	MHz	INFO



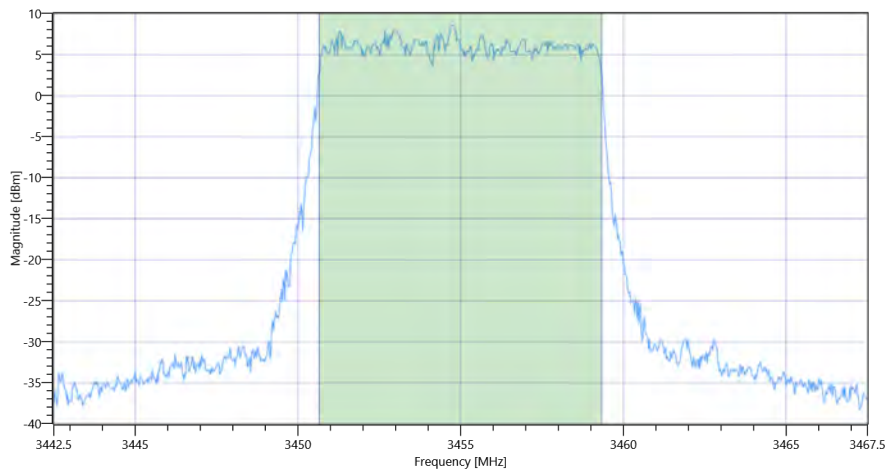
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	14.93   0   30
Start [MHz]   Stop [MHz]	3442.500   3467.500
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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-1 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-2 SCS-30

Test References	
TC Start	26.06.2022 12:21:24
Ambit Temp [°C]   Humidity [rel%]	25.1   52
System Version	3.1.1.3
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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



Test at BW [MHz]: 10

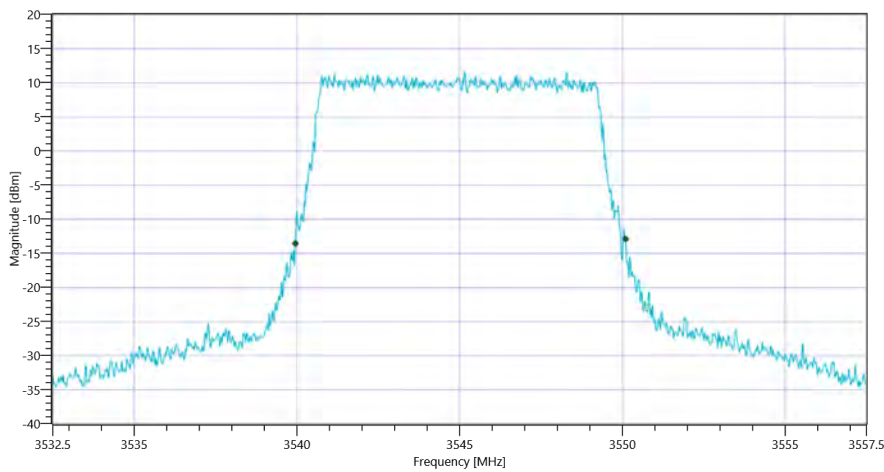
Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB\_100PCT, Mod: QPSK

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	17.63   0   35
Start [MHz]   Stop [MHz]	3532.500   3557.500
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



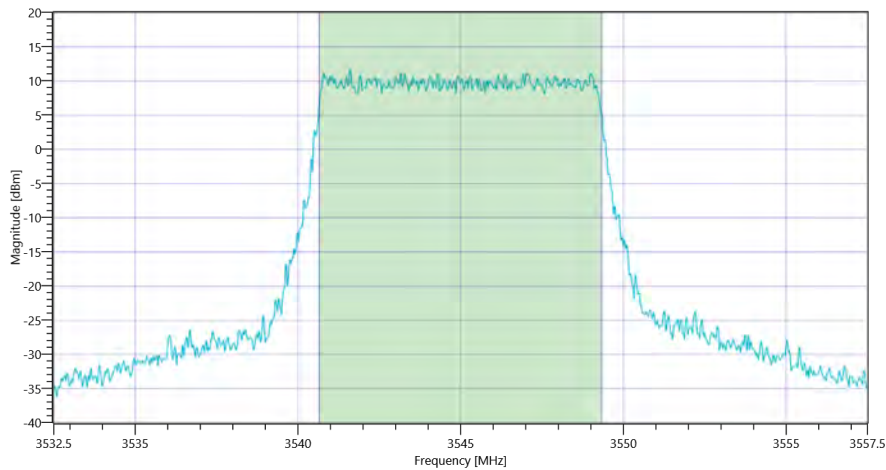
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-2 SCS-30 26dB

READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	17.63   0   35
Start [MHz]   Stop [MHz]	3532.500   3557.500
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%	---	---	8.691	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-2 SCS-30 26dB

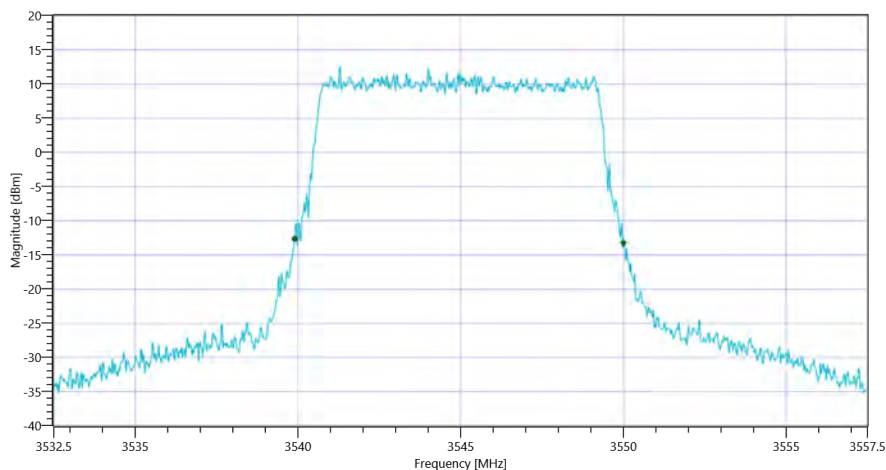
Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB\_100PCT, Mod: 16QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	20.20   0   35
Start [MHz]   Stop [MHz]	3532.500   3557.500
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



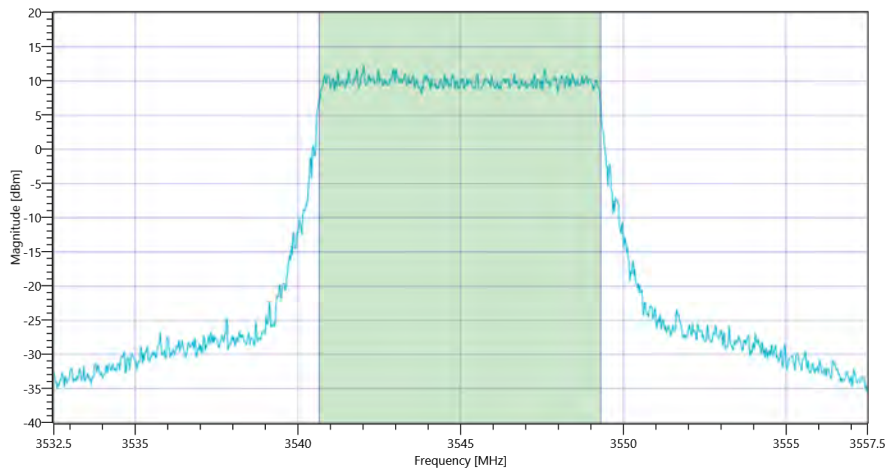
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-2 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	20.20   0   35
Start [MHz]   Stop [MHz]	3532.500   3557.500
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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-2 SCS-30 26dB

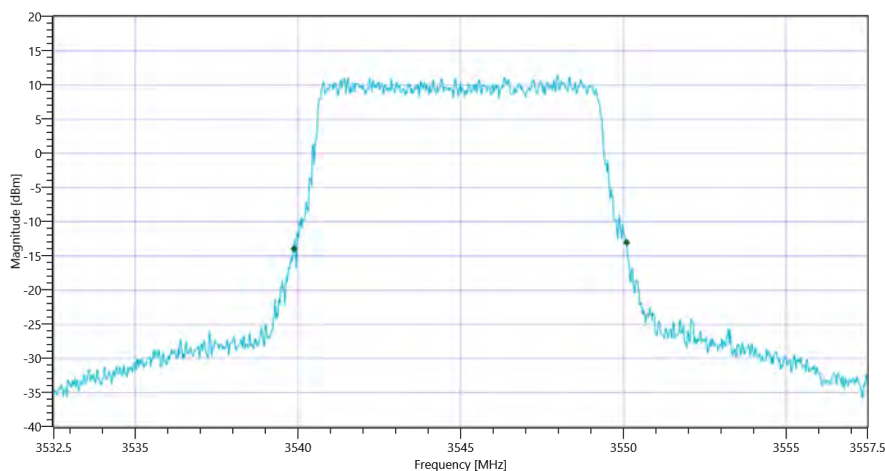
Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB\_100PCT, Mod: 64QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	18.64   0   35
Start [MHz]   Stop [MHz]	3532.500   3557.500
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	---	---	10.225	MHz	INFO



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-2 SCS-30 26dB

**READ SA SETTINGS:**

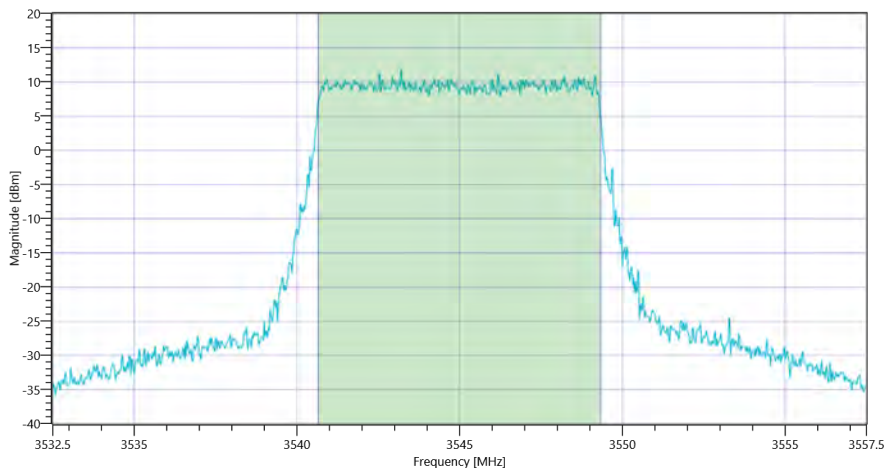
RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	18.64   0   35
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**READ SA SETTINGS:**

Start [MHz]   Stop [MHz]	3532.500   3557.500
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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-2 SCS-30 26dB

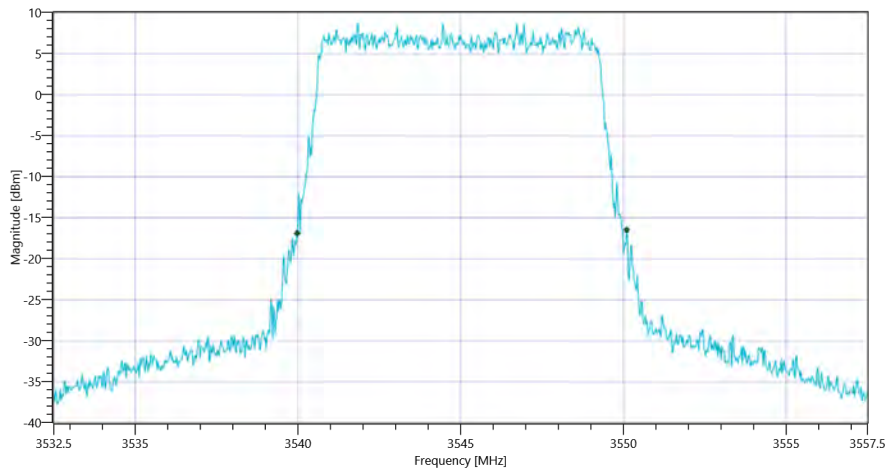
Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB\_100PCT, Mod: 256QAM

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	15.38   0   30
Start [MHz]   Stop [MHz]	3532.500   3557.500
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	---	---	10.125	MHz	INFO



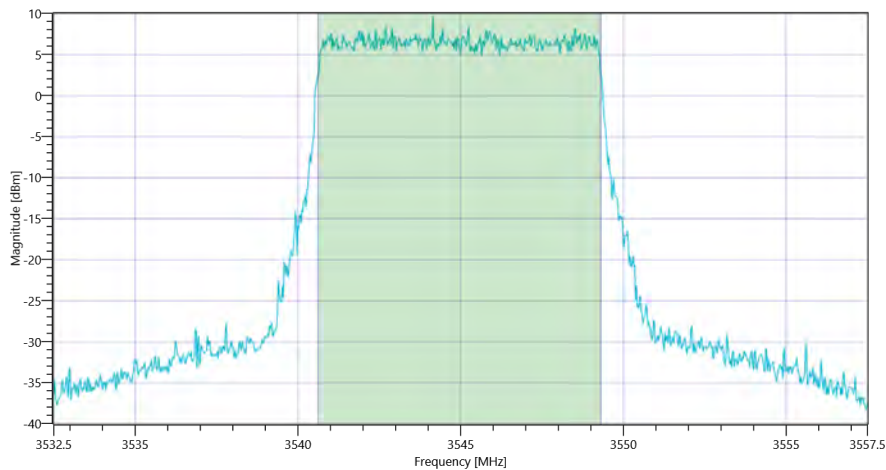
FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-2 SCS-30 26dB

**READ SA SETTINGS:**

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	15.38   0   30
Start [MHz]   Stop [MHz]	3532.500   3557.500
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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-2 SCS-30 26dB

General verdict

**PASS**

## FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-2 SCS-30

Test References	
TC Start	26.06.2022 11:15:00
Ambit Temp [°C]   Humidity [rel%]	25.1   52
System Version	3.1.1.3
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED Bandwidths 99PCT and 26dB - NR Band_77_A
Add. Information	

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

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

### Test at BW [MHz]: 20

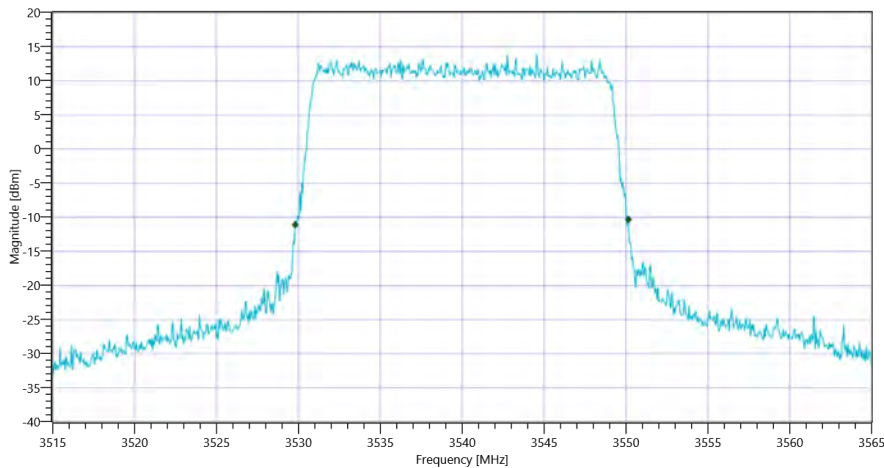
Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB\_100PCT, Mod: QPSK

#### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	15.18   0   35
Start [MHz]   Stop [MHz]	3515.000   3565.000
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	2   1500   1001   SWE

#### RESULT 26 dB

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



FCC, ISED # Bandwidth 99PCT and 26dB ~ NR Band\_77\_A Ant-2 SCS-30 26dB

#### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	15.18   0   30
Start [MHz]   Stop [MHz]	3515.000   3565.000
RBW [MHz]   VBW [MHz]	0.500000   2.000000
Detector   TraceMode	POS   MAXH
Sweep: Time [ms]   Count   Points per Section   Type	1   1500   1001   SWE

#### RESULT 99%

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