

Measurement Results

No.1-3977/22-03-20_Annex_MR_A1

Test logging

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Document authorized:

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Head of Department
Radio Communications

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EUT Information

EUT DEFINITION

Manufacturer	Sagemcom Broadband SAS
Type	Fast 5688W
Serial Number	IMEI: 359509840061128
Setup Number	1.0
Version SW	SG520TMDAR02A02M4G_01.001.01.001_V01
Version FW	SG520TMDAR02A02M4G_01.001.01.001_V01
Version HW	1.2
Comment 1	
Comment 2	
Temperature [°C] Min	-30
Temperature [°C] Nom	20
Temperature [°C] Max	55
Voltage [V] Min	102
Voltage [V] Nom	120
Voltage [V] Max	138

FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15

Test References

TC Start	05.10.2022 18:17:58
Ambit Temp [°C] Humidity [rel%]	27.6 38
System Version	3.3.1.3
Test Specification	FCC, ISED -
Test Method	
TC Version	0.0.1
My Description	FCC/ISED MobileRadio TX Emissions conducted - NR Band_71
Add. Information	

Test Parameter

Technology to test	NR
Band	Band_71
SCS [kHz]	15
Waveform	DFTOFDM
Antenna Port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True
Frequency mid to test	True
Frequency high to test	True
Auto Control enabled Power Supply Climatic Box	No No
Additional Path Loss [dB]	0
Switched Path	None

Test Equipment

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

Test at BW [MHz]: 5

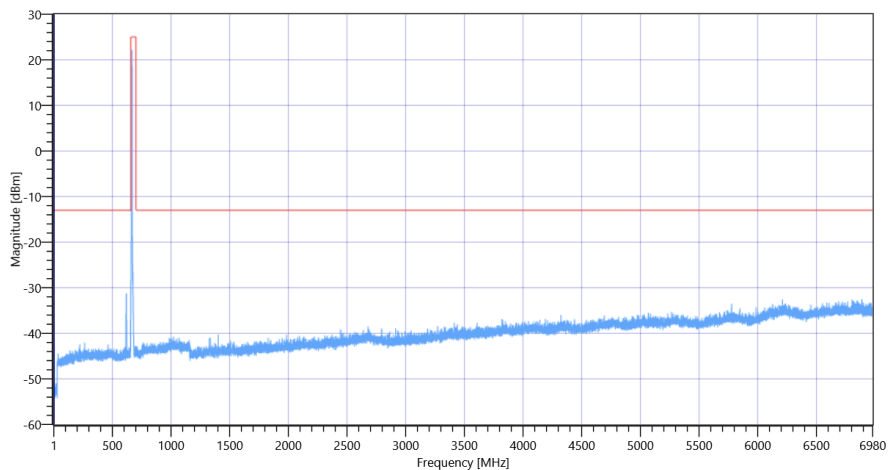
Test freq: low, UL[MHz]/CH 665.5/133100, CBW [MHz]: 5, RB_100PCT, Mod: BPSK

READ SA SETTINGS:

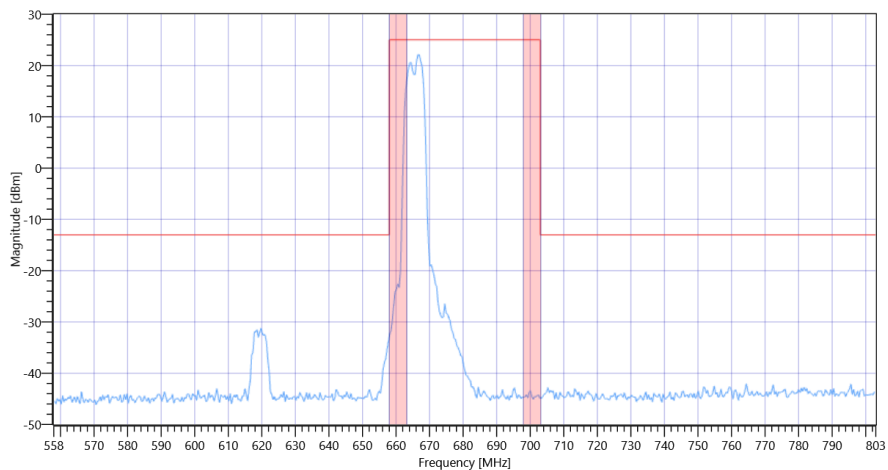
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.02 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 665.5/133100, CBW [MHz]: 5, RB_100PCT, Mod: BPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 665.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 665.5

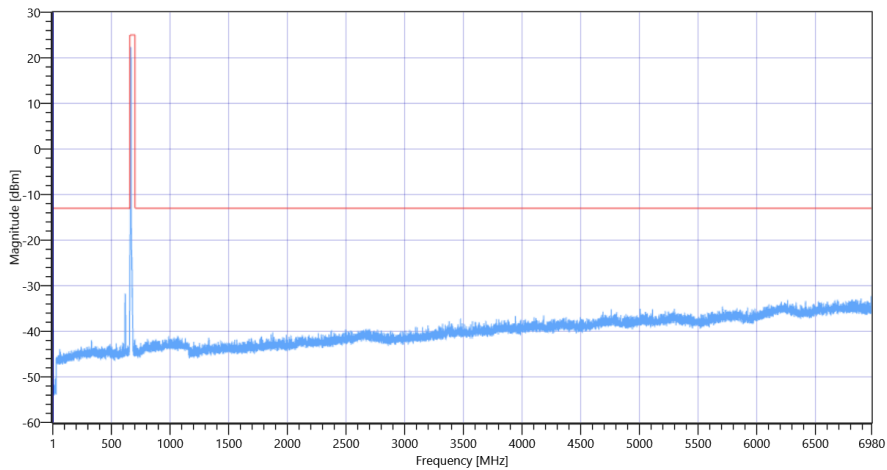
Test freq: low, UL[MHz]/CH 665.5/133100, CBW [MHz]: 5, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

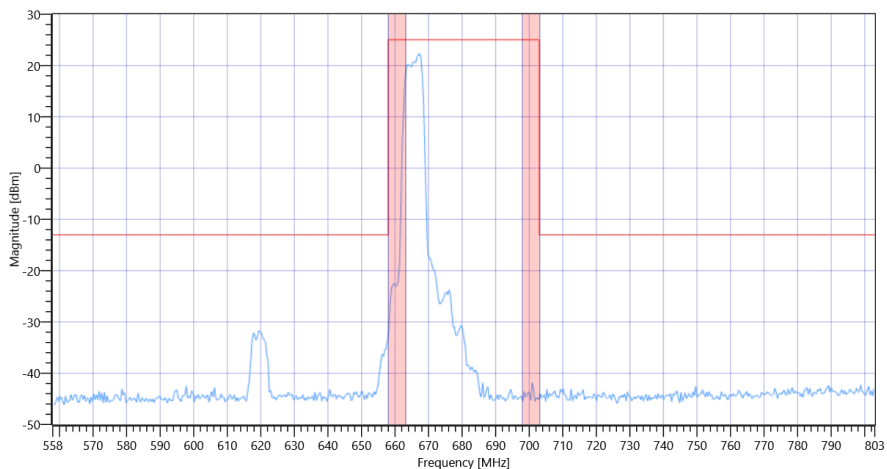
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.15 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 665.5/133100, CBW [MHz]: 5, RB_100PCT, Mod: QPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 665.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 665.5

Test freq: low, UL[MHz]/CH 665.5/133100, CBW [MHz]: 5, RB_100PCT, Mod: 16QAM

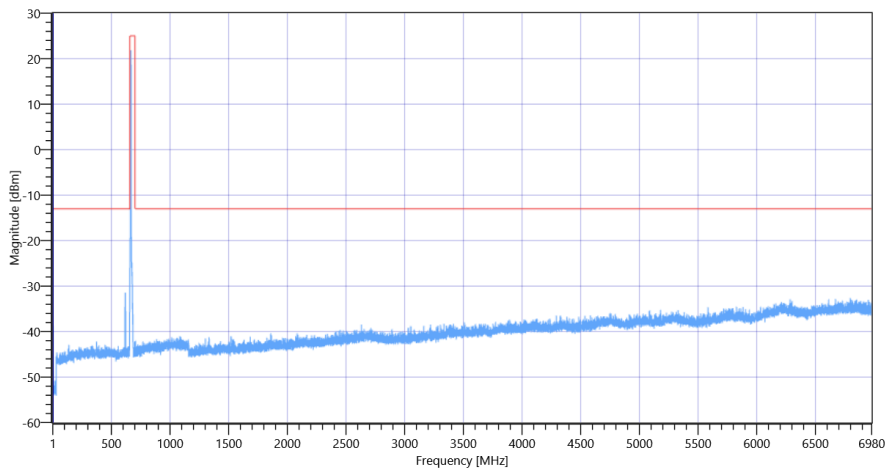
READ SA SETTINGS:

READ SA SETTINGS:

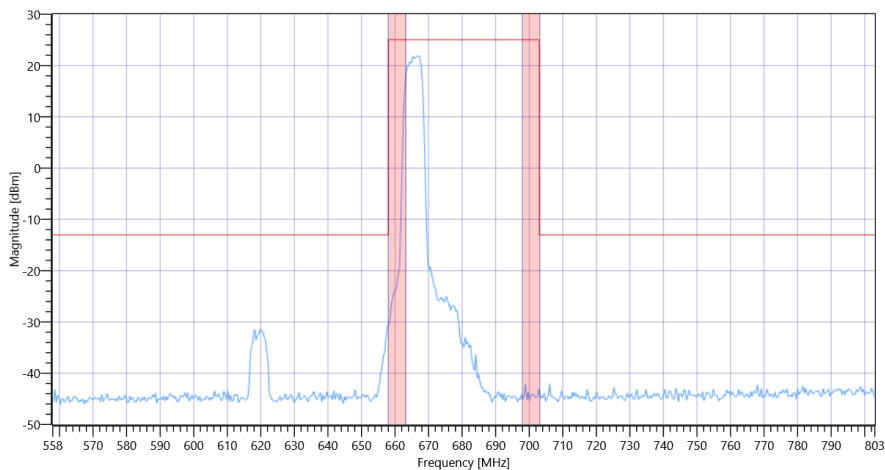
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.41 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 665.5/133100, CBW [MHz]: 5, RB_100PCT, Mod: 16QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 665.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 665.5

Test freq: low, UL[MHz]/CH 665.5/133100, CBW [MHz]: 5, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

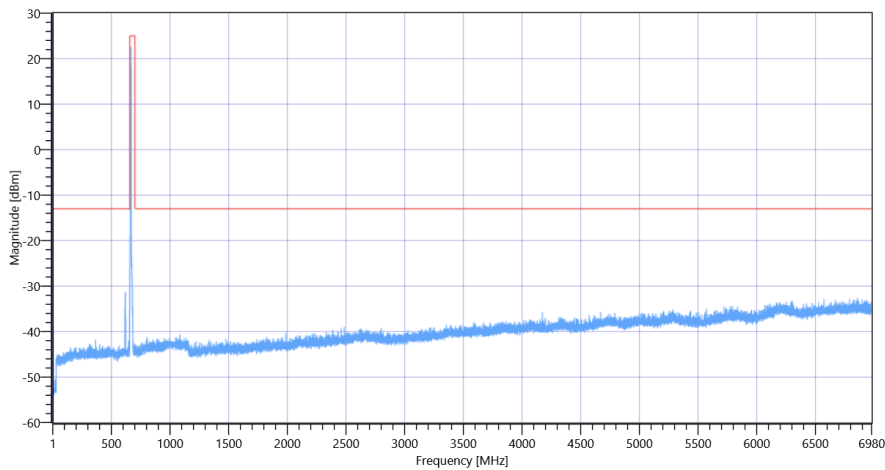
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.26 0 30
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READ SA SETTINGS:

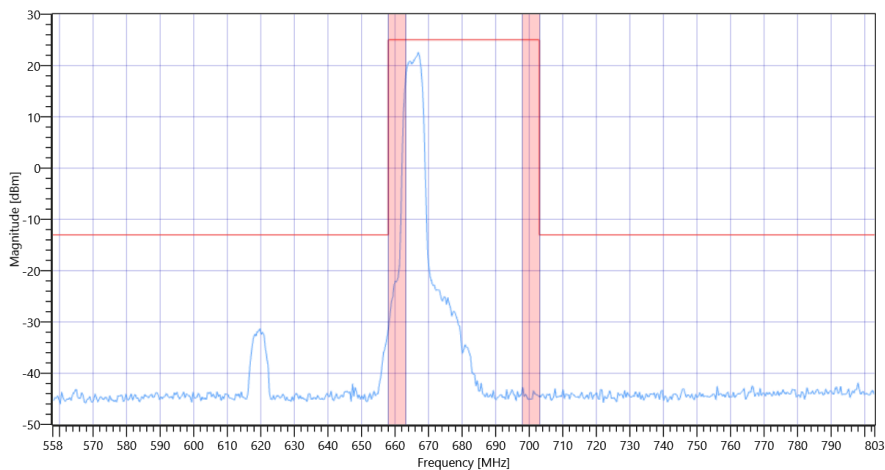
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 665.5/133100, CBW [MHz]: 5, RB_100PCT, Mod: 64QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 665.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 665.5

Test freq: low, UL[MHz]/CH 665.5/133100, CBW [MHz]: 5, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

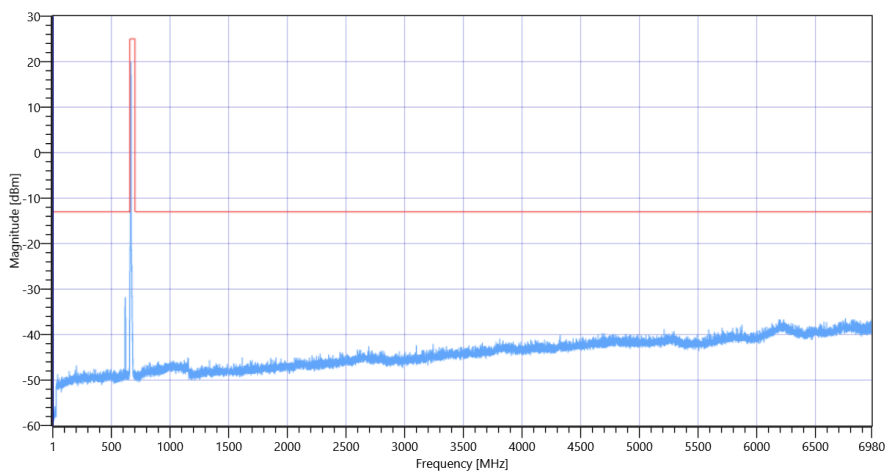
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.66 0 25
Start [MHz] Stop [MHz]	1.000 401.000

READ SA SETTINGS:

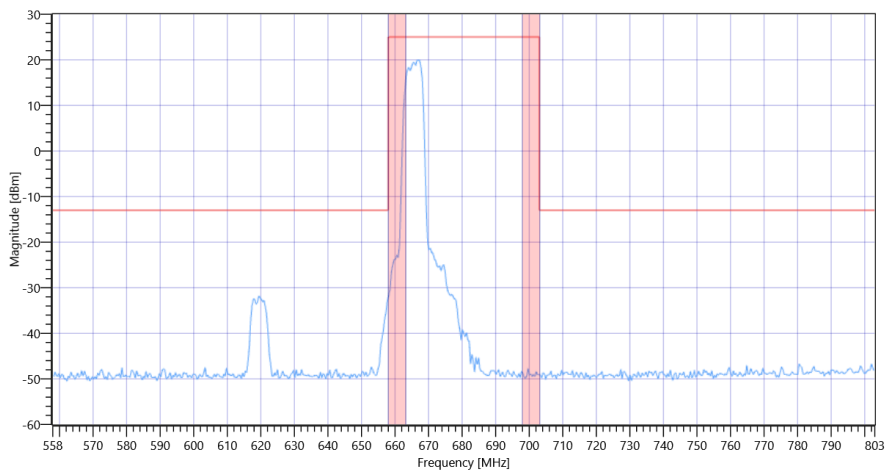
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 665.5/133100, CBW [MHz]: 5, RB_100PCT, Mod: 256QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 665.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 665.5

Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 5, RB_100PCT, Mod: BPSK

READ SA SETTINGS:

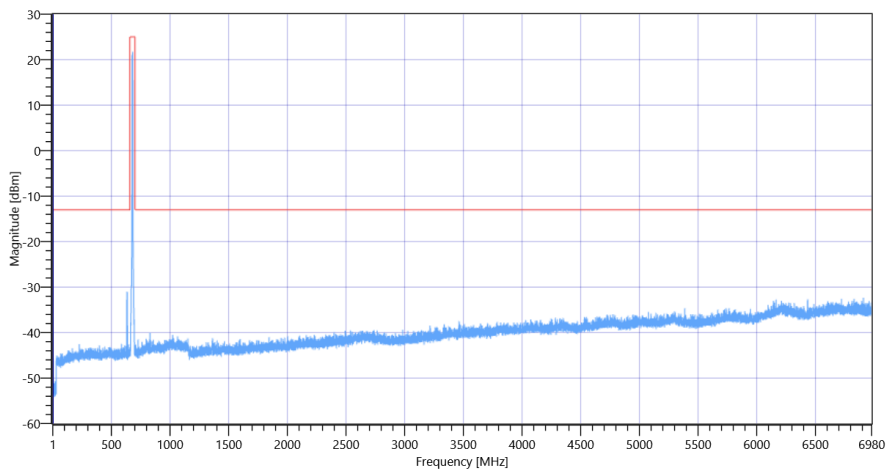
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.60 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000

READ SA SETTINGS:

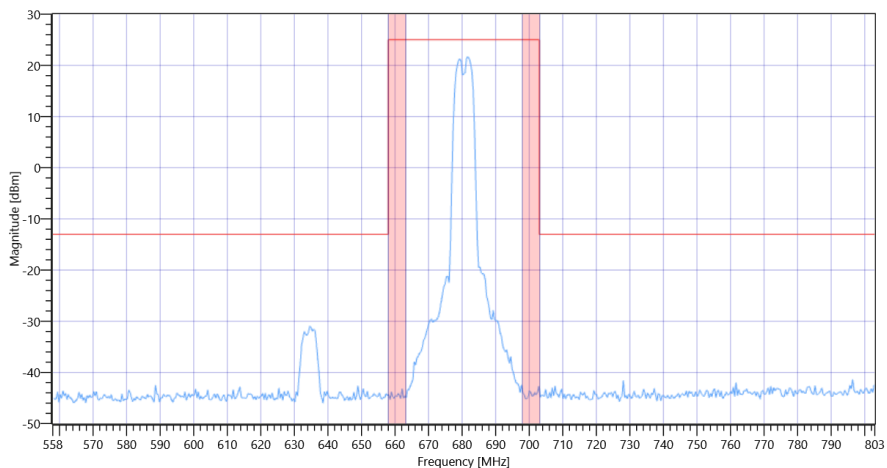
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 5, RB_100PCT, Mod: BPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5

Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 5, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

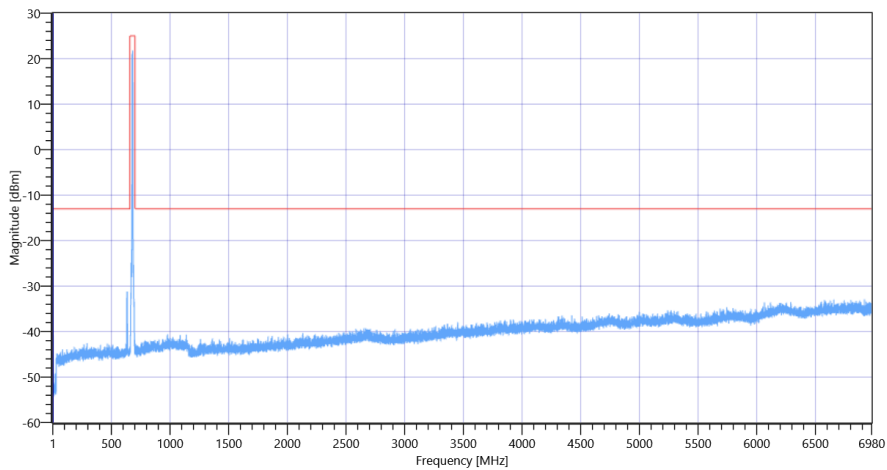
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.55 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH

READ SA SETTINGS:

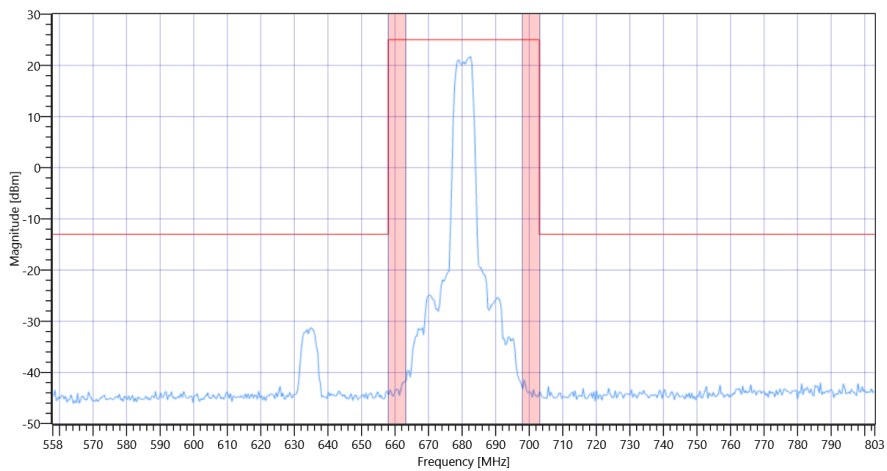
Sweep: Time [ms] | Count | Points per Section | Type 1600 | 1 | 1001 | SWE

RESULT Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 5, RB_100PCT, Mod: QPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5

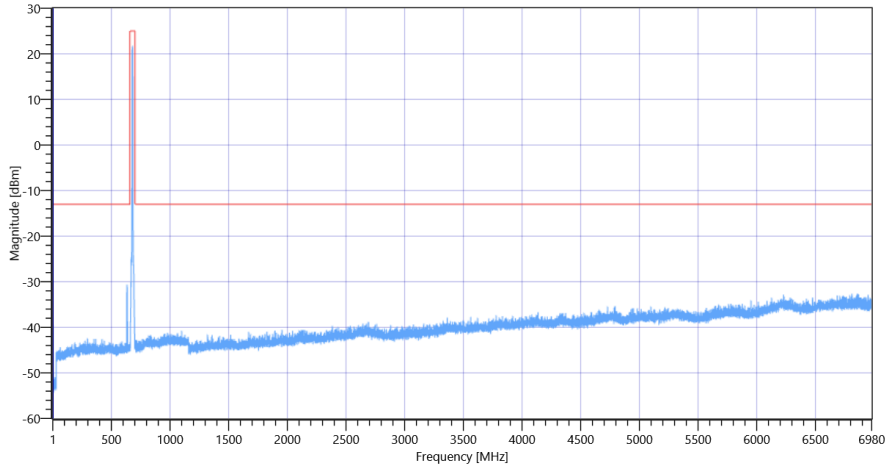
Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 5, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

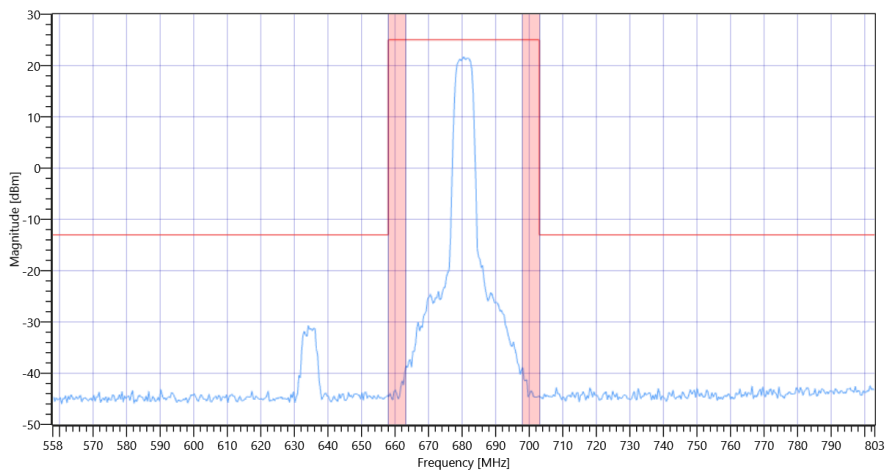
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.32 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 5, RB_100PCT, Mod: 16QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5

Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 5, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

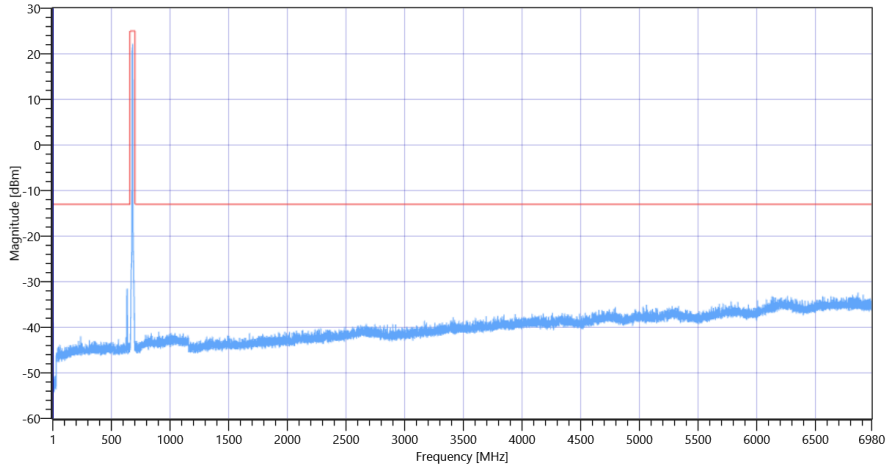
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.75 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 5, RB_100PCT, Mod: 64QAM

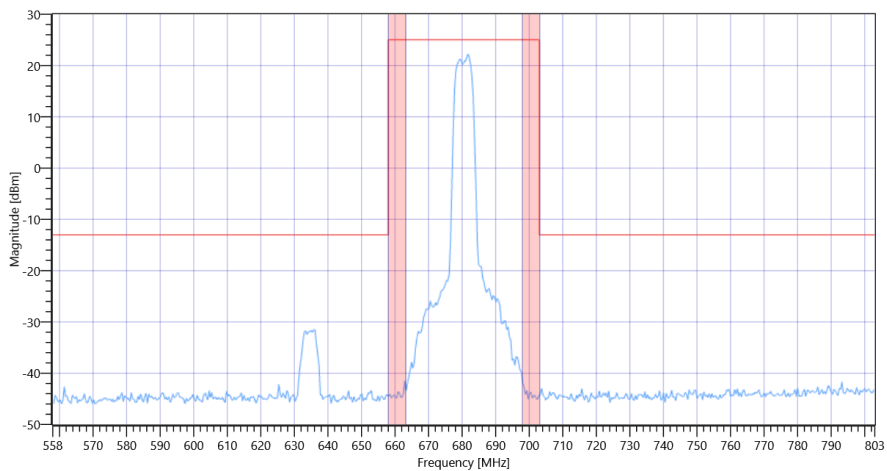
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
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RESULT Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 5, RB_100PCT, Mod: 64QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5

Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 5, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

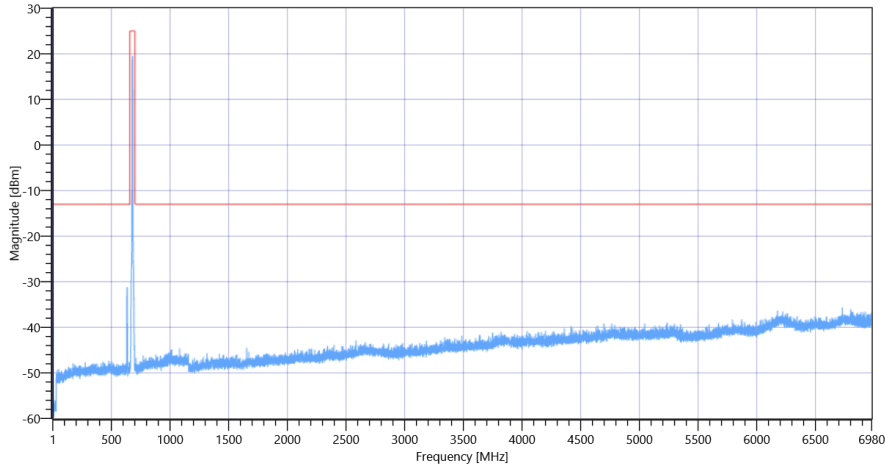
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.16 0 25
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 5, RB_100PCT, Mod: 256QAM

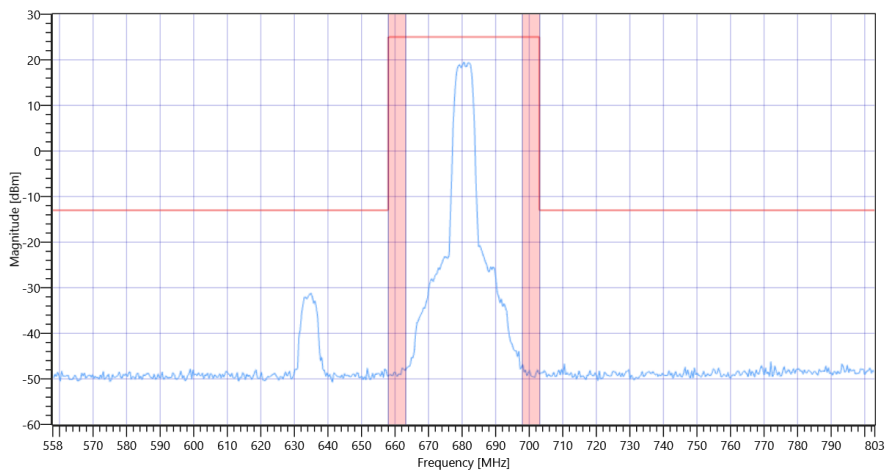
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
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RESULT Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 5, RB_100PCT, Mod: 256QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5

Test freq: high, UL[MHz]/CH 695.5/139100, CBW [MHz]: 5, RB_100PCT, Mod: BPSK

READ SA SETTINGS:

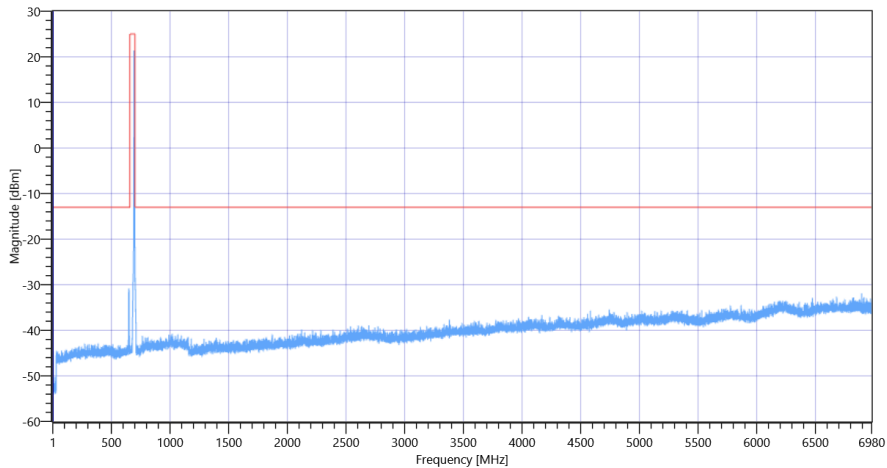
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.31 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: high, UL[MHz]/CH 695.5/139100, CBW [MHz]: 5, RB_100PCT, Mod: BPSK

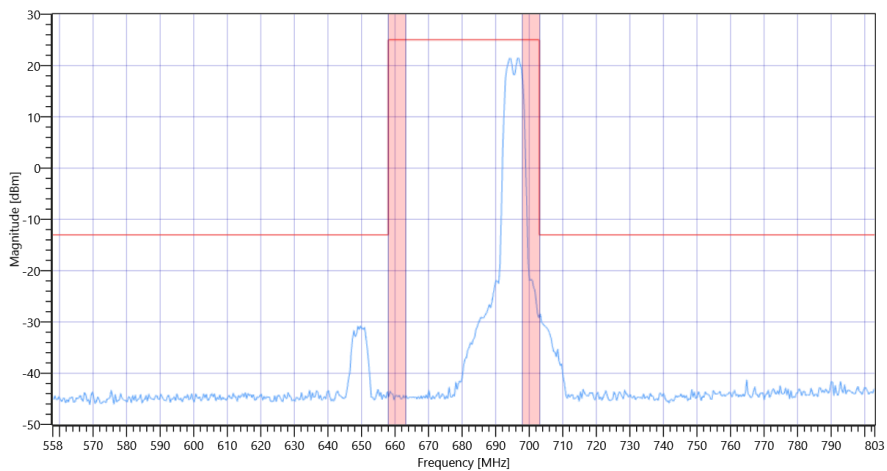
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
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RESULT Test freq: high, UL[MHz]/CH 695.5/139100, CBW [MHz]: 5, RB_100PCT, Mod: BPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 695.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 695.5

Test freq: high, UL[MHz]/CH 695.5/139100, CBW [MHz]: 5, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

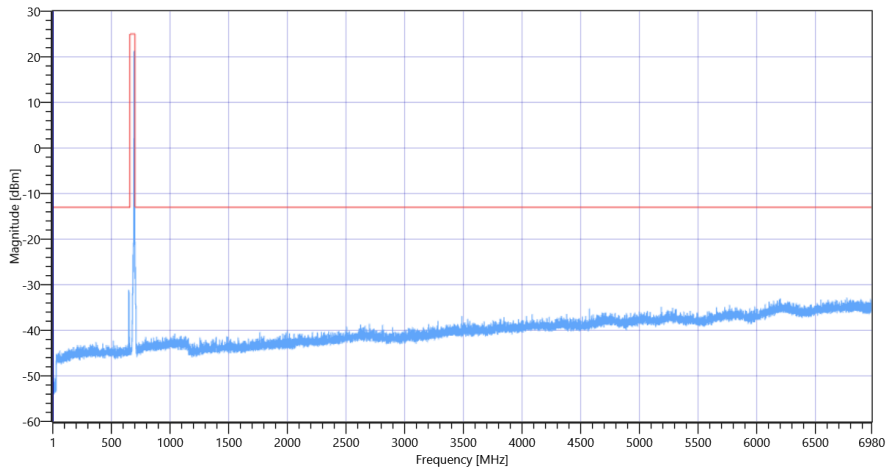
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.04 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: high, UL[MHz]/CH 695.5/139100, CBW [MHz]: 5, RB_100PCT, Mod: QPSK

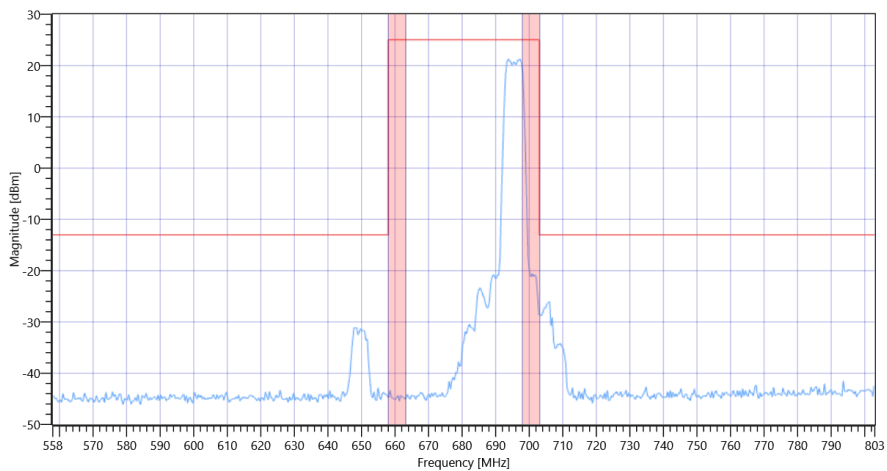
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
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RESULT Test freq: high, UL[MHz]/CH 695.5/139100, CBW [MHz]: 5, RB_100PCT, Mod: QPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 695.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 695.5

Test freq: high, UL[MHz]/CH 695.5/139100, CBW [MHz]: 5, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

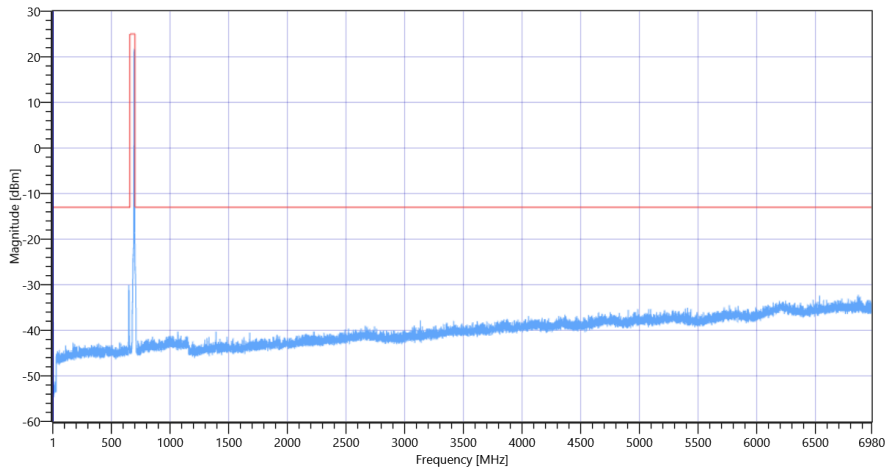
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.33 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: high, UL[MHz]/CH 695.5/139100, CBW [MHz]: 5, RB_100PCT, Mod: 16QAM

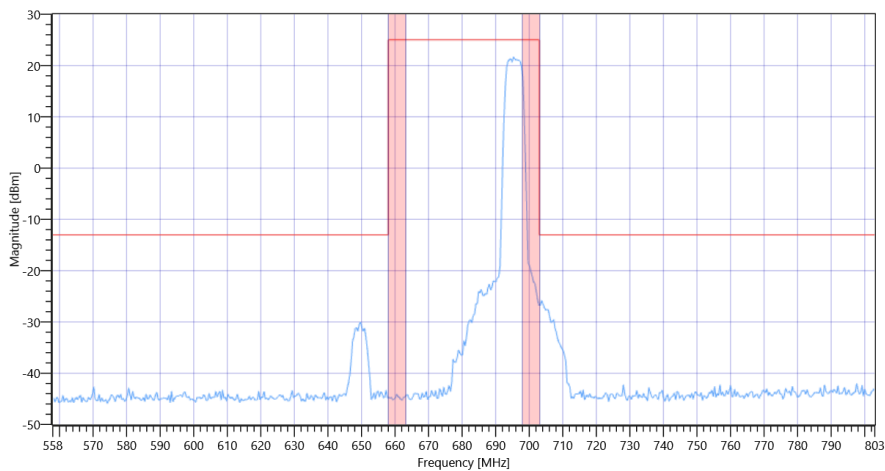
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
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RESULT Test freq: high, UL[MHz]/CH 695.5/139100, CBW [MHz]: 5, RB_100PCT, Mod: 16QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 695.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 695.5

Test freq: high, UL[MHz]/CH 695.5/139100, CBW [MHz]: 5, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

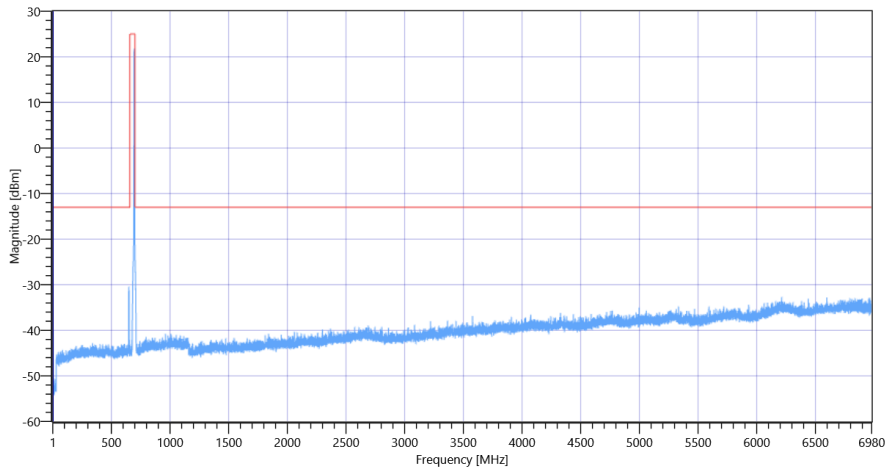
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.38 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: high, UL[MHz]/CH 695.5/139100, CBW [MHz]: 5, RB_100PCT, Mod: 64QAM

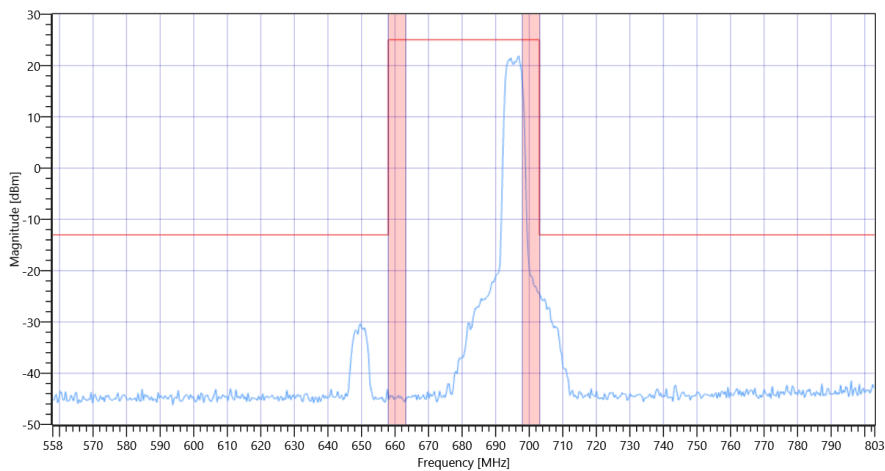
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
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RESULT Test freq: high, UL[MHz]/CH 695.5/139100, CBW [MHz]: 5, RB_100PCT, Mod: 64QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 695.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 695.5

Test freq: high, UL[MHz]/CH 695.5/139100, CBW [MHz]: 5, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

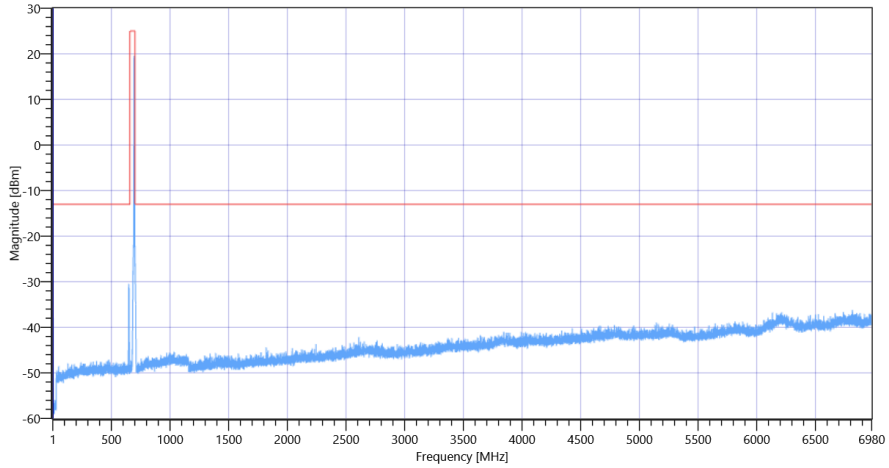
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.09 0 25
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: high, UL[MHz]/CH 695.5/139100, CBW [MHz]: 5, RB_100PCT, Mod: 256QAM

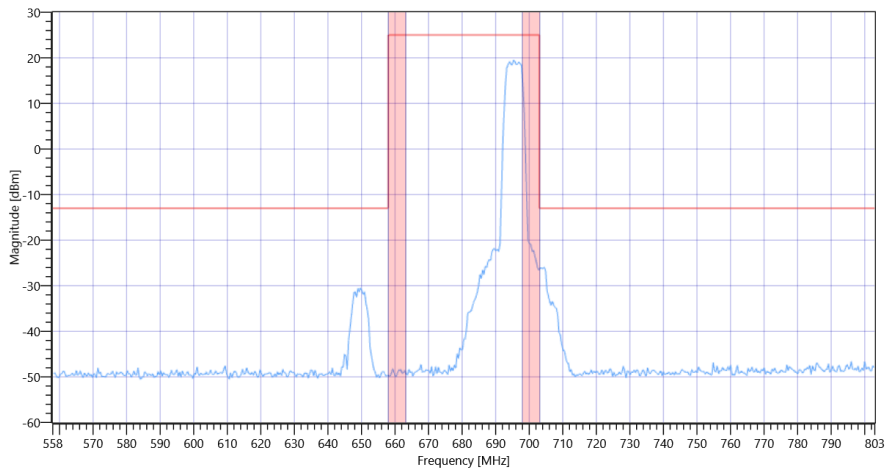
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
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RESULT Test freq: high, UL[MHz]/CH 695.5/139100, CBW [MHz]: 5, RB_100PCT, Mod: 256QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 695.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 695.5

Test at BW [MHz]: 10

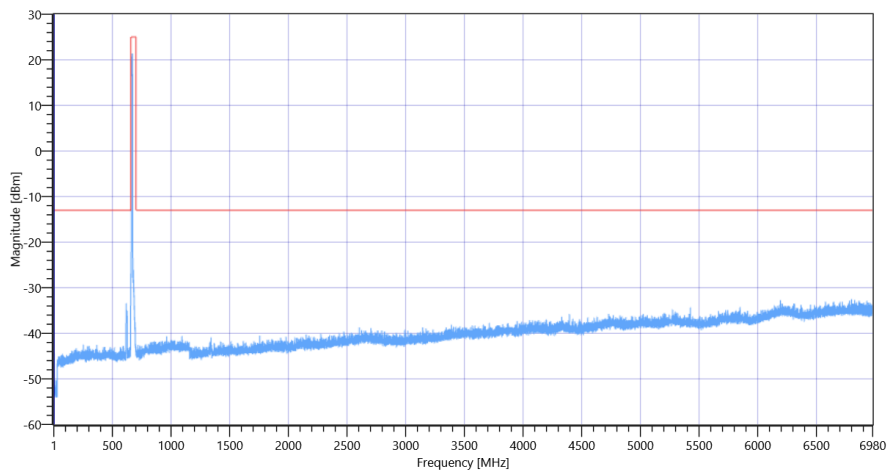
Test freq: low, UL[MHz]/CH 668/133600, CBW [MHz]: 10, RB_100PCT, Mod: BPSK

READ SA SETTINGS:

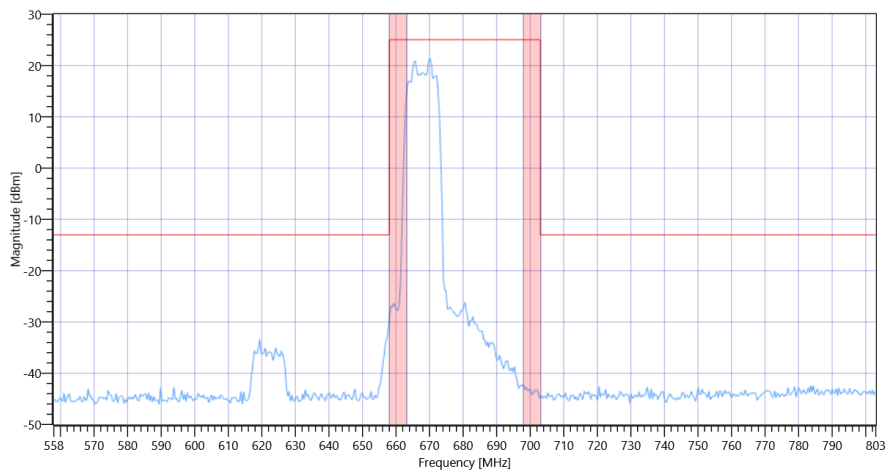
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.23 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 668/133600, CBW [MHz]: 10, RB_100PCT, Mod: BPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 668 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 668

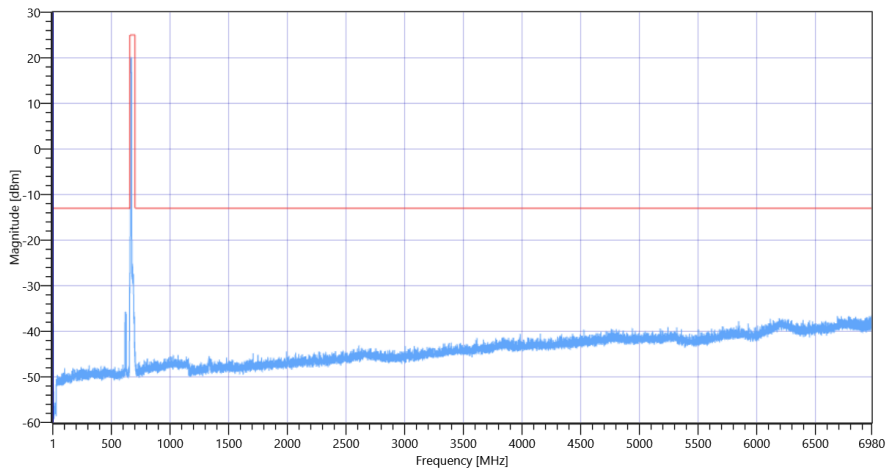
Test freq: low, UL[MHz]/CH 668/133600, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

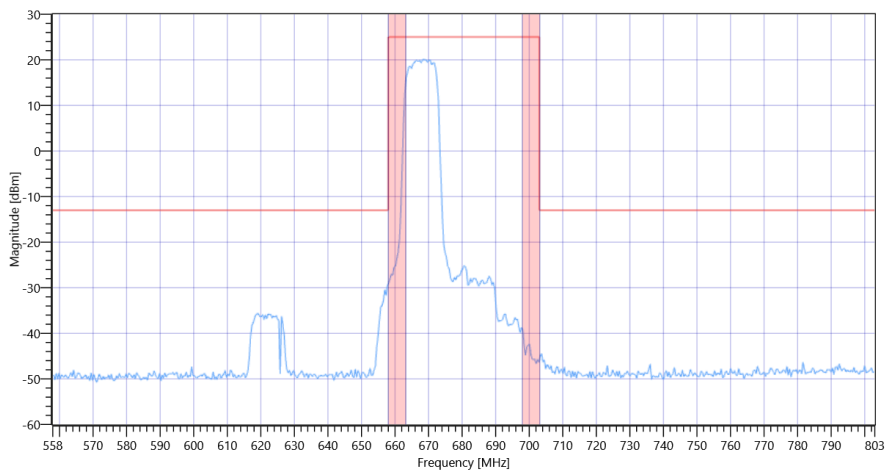
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.89 0 25
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 668/133600, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 668 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 668

Test freq: low, UL[MHz]/CH 668/133600, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

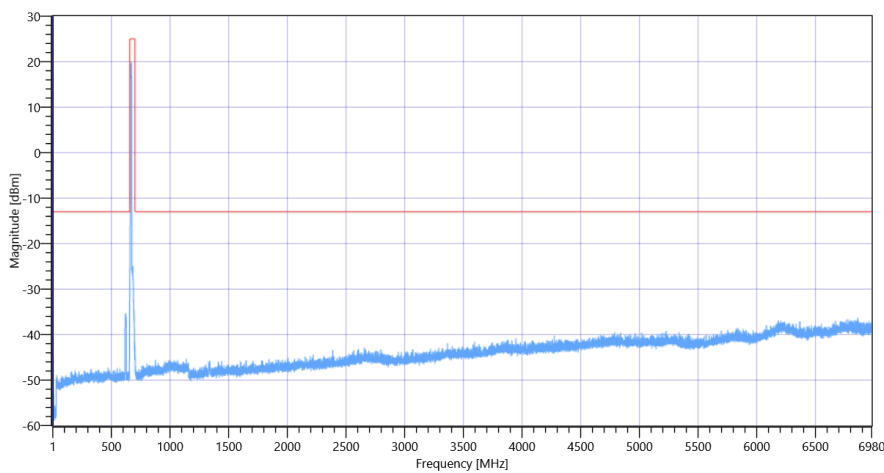
READ SA SETTINGS:

READ SA SETTINGS:

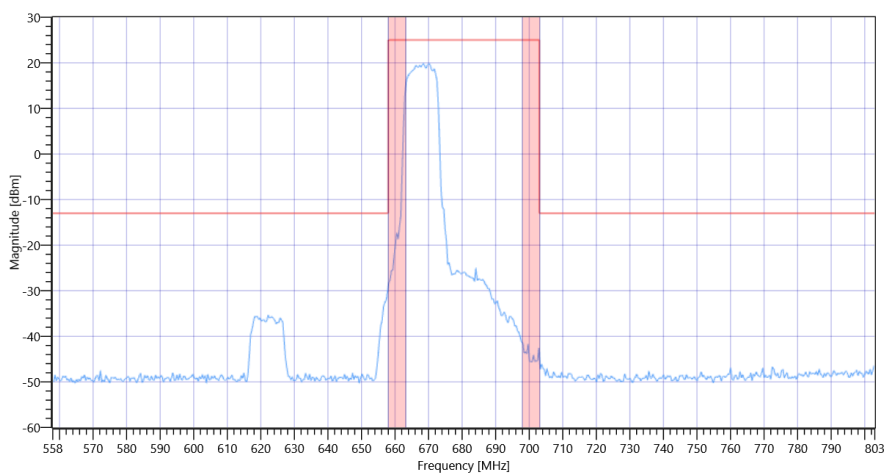
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.48 0 25
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 668/133600, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 668 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 668

Test freq: low, UL[MHz]/CH 668/133600, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

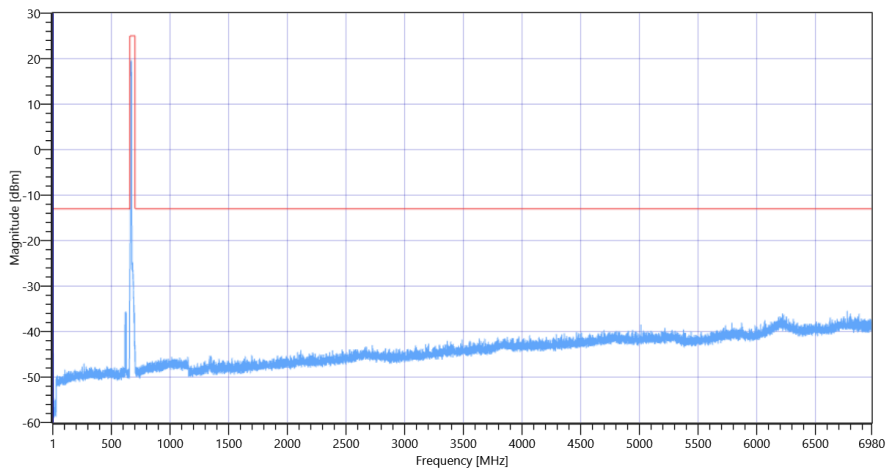
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.86 0 25
--	---------------

READ SA SETTINGS:

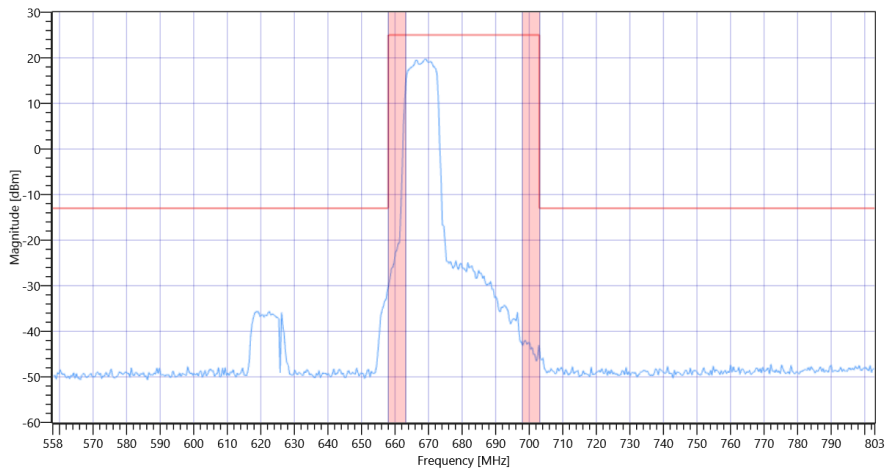
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 668/133600, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 668 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 668

Test freq: low, UL[MHz]/CH 668/133600, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

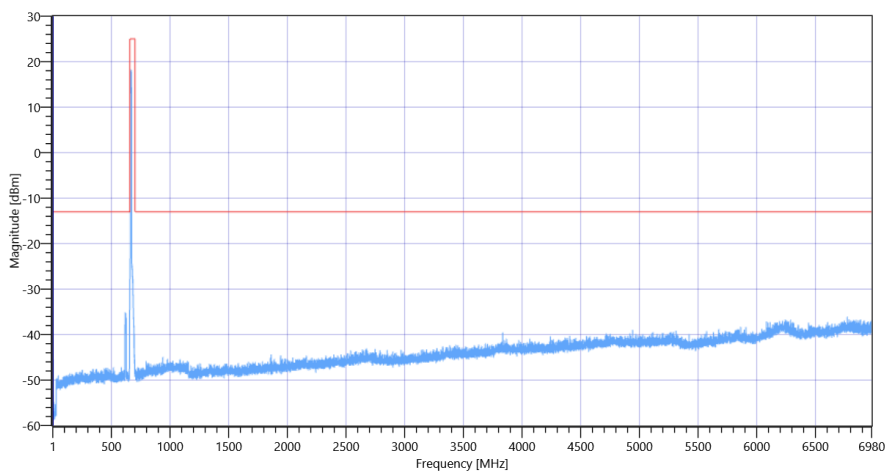
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.80 0 25
Start [MHz] Stop [MHz]	1.000 401.000

READ SA SETTINGS:

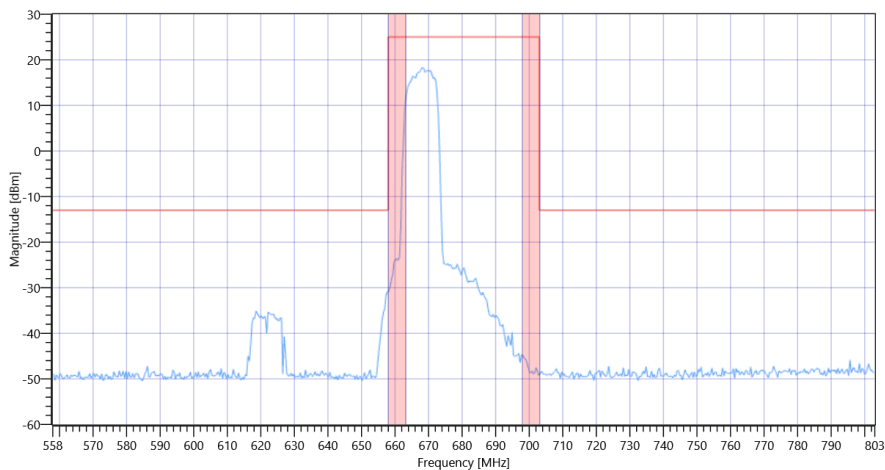
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 668/133600, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 668 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 668

Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 10, RB_100PCT, Mod: BPSK

READ SA SETTINGS:

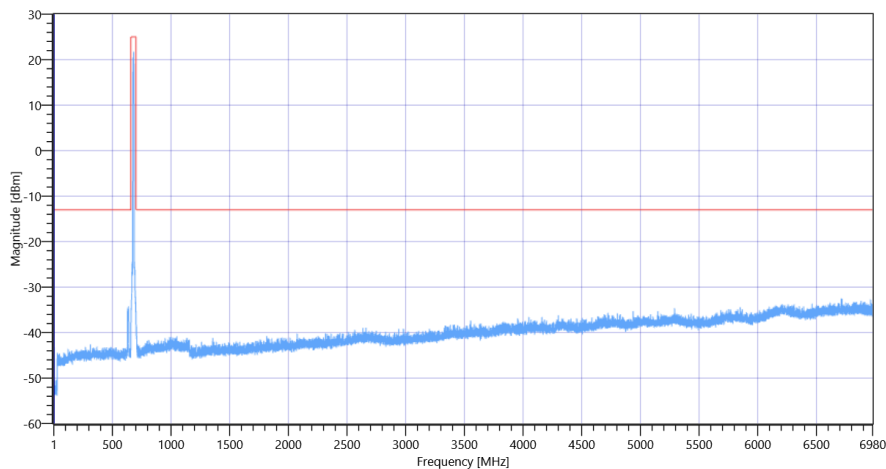
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.57 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000

READ SA SETTINGS:

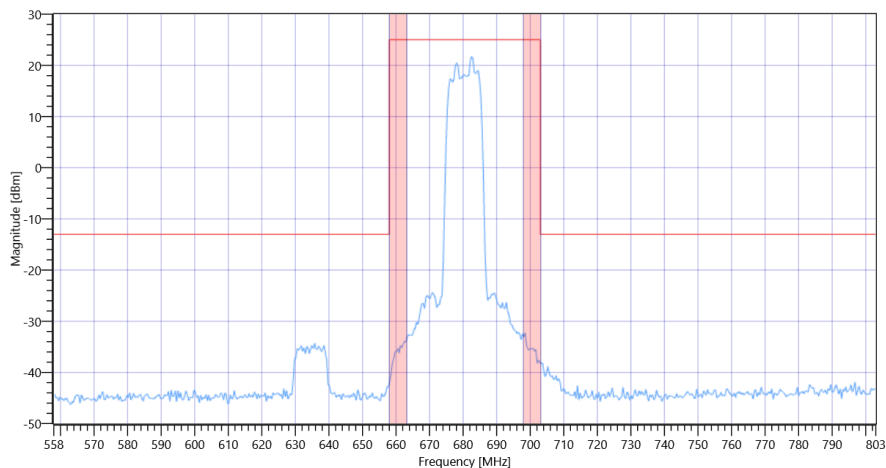
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 10, RB_100PCT, Mod: BPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5

Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

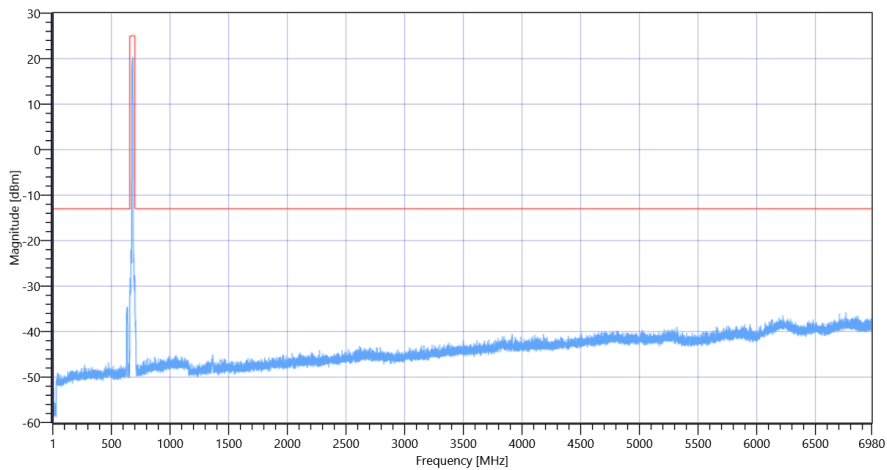
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.90 0 25
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH

READ SA SETTINGS:

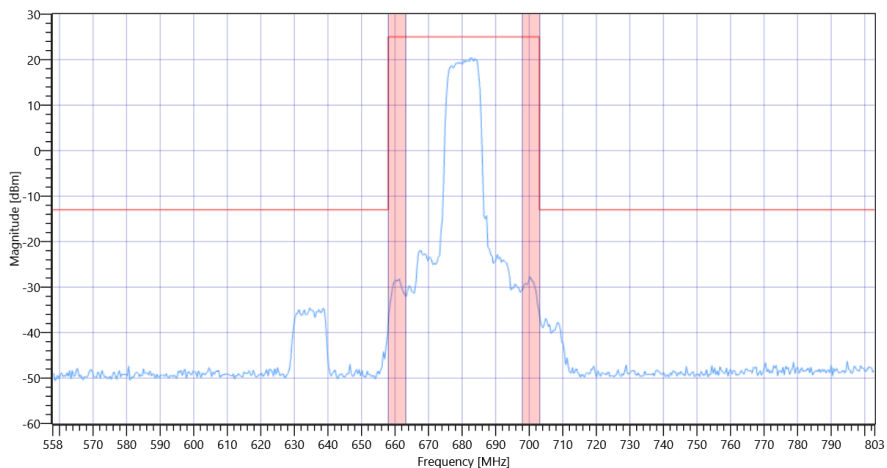
Sweep: Time [ms] | Count | Points per Section | Type 1600 | 1 | 1001 | SWE

RESULT Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5

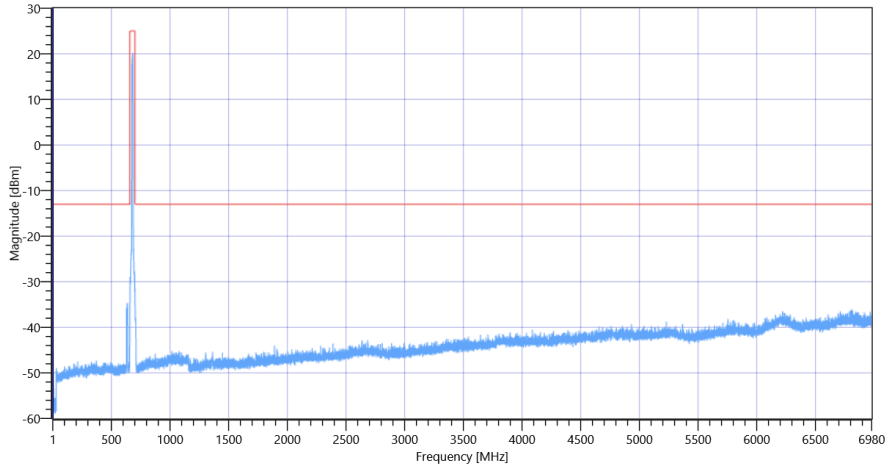
Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

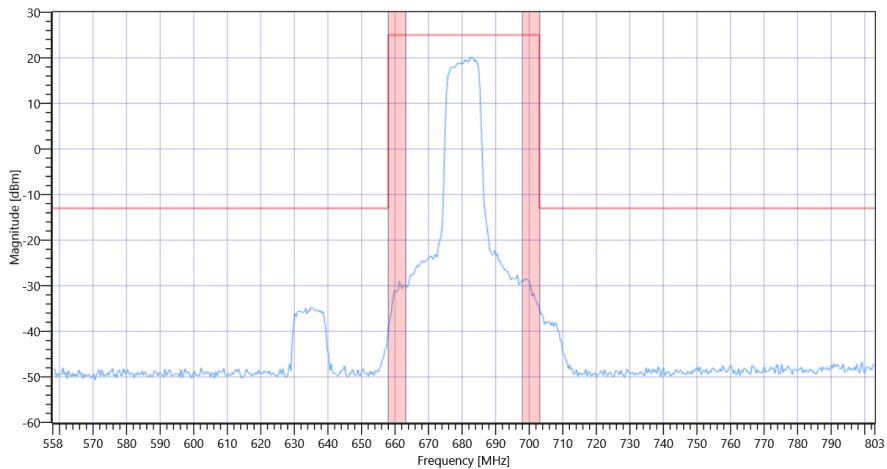
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.75 0 25
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5

Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

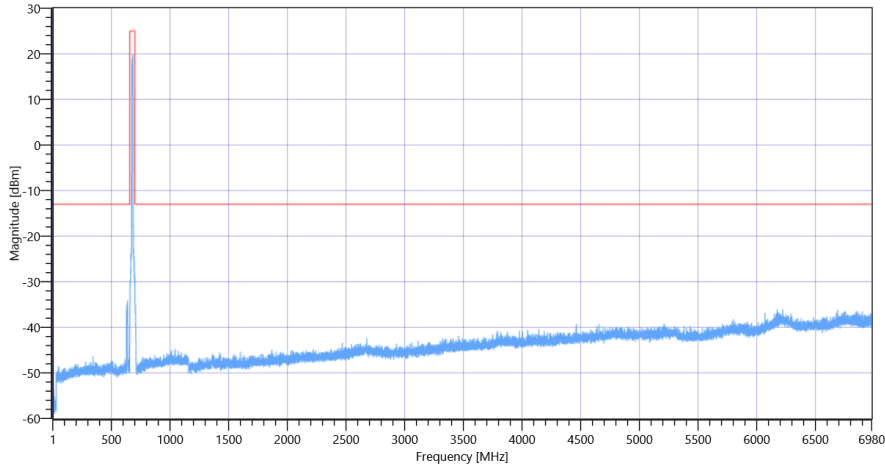
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.09 0 25
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

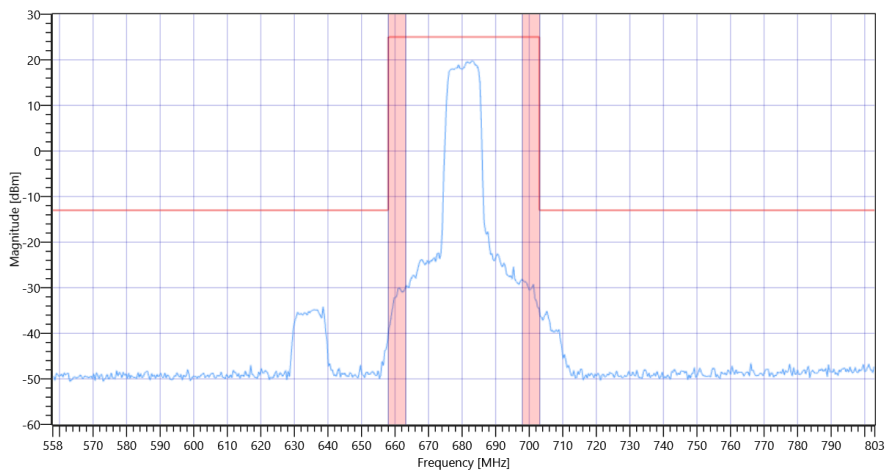
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
2023-01-19					

RESULT Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5

Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

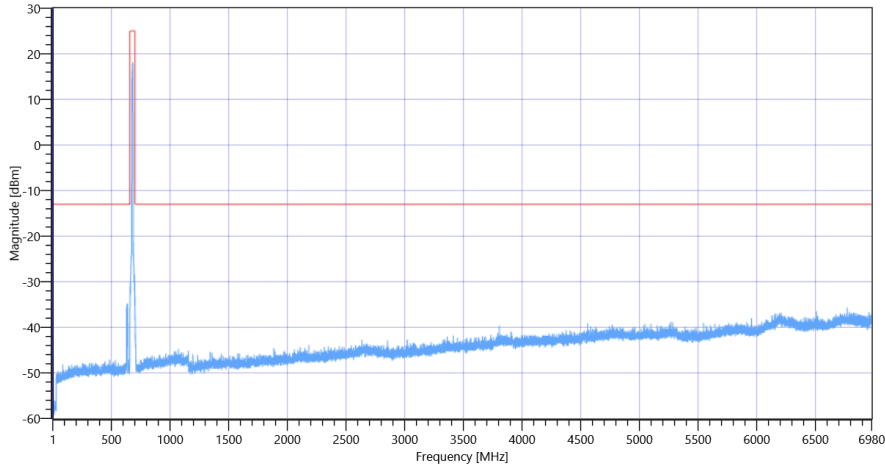
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.47 0 25
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

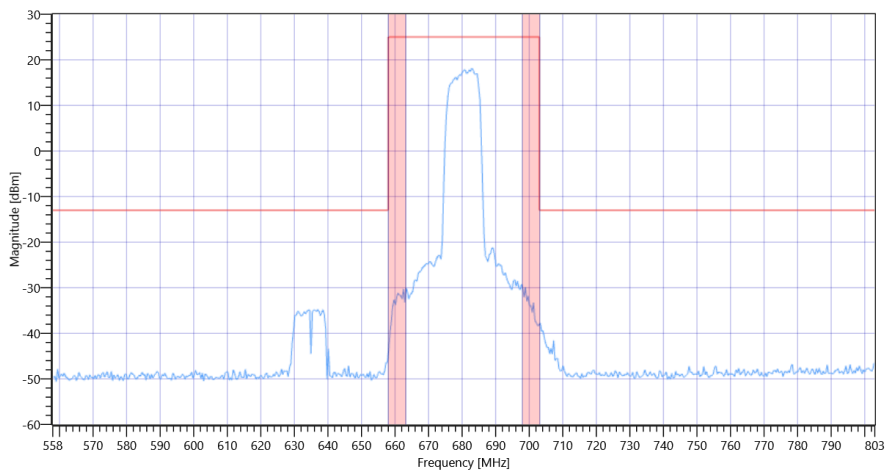
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
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RESULT Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5

Test freq: high, UL[MHz]/CH 693/138600, CBW [MHz]: 10, RB_100PCT, Mod: BPSK

READ SA SETTINGS:

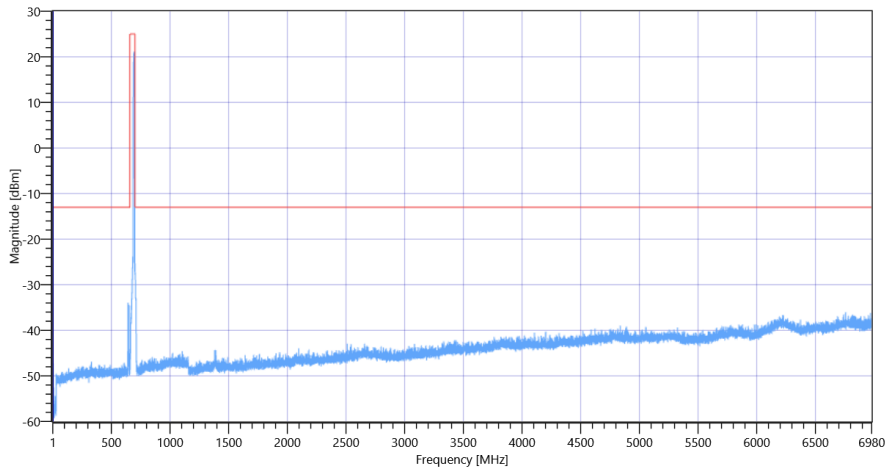
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.97 0 25
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: high, UL[MHz]/CH 693/138600, CBW [MHz]: 10, RB_100PCT, Mod: BPSK

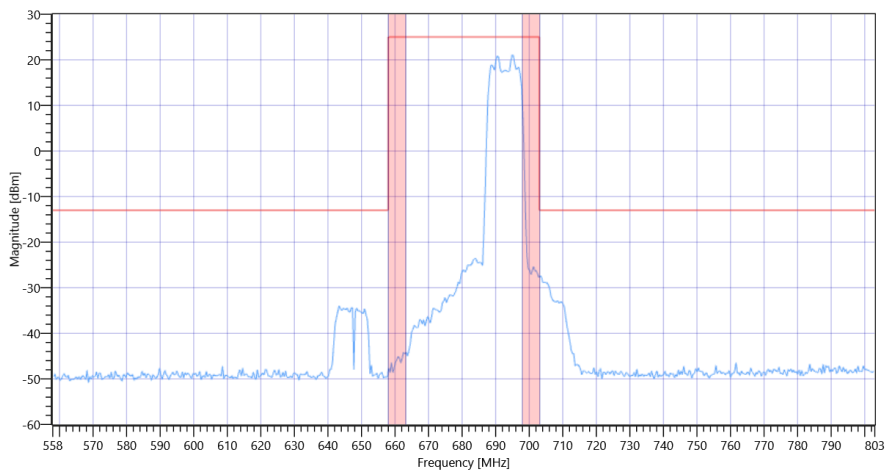
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
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RESULT Test freq: high, UL[MHz]/CH 693/138600, CBW [MHz]: 10, RB_100PCT, Mod: BPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 693 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 693

Test freq: high, UL[MHz]/CH 693/138600, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

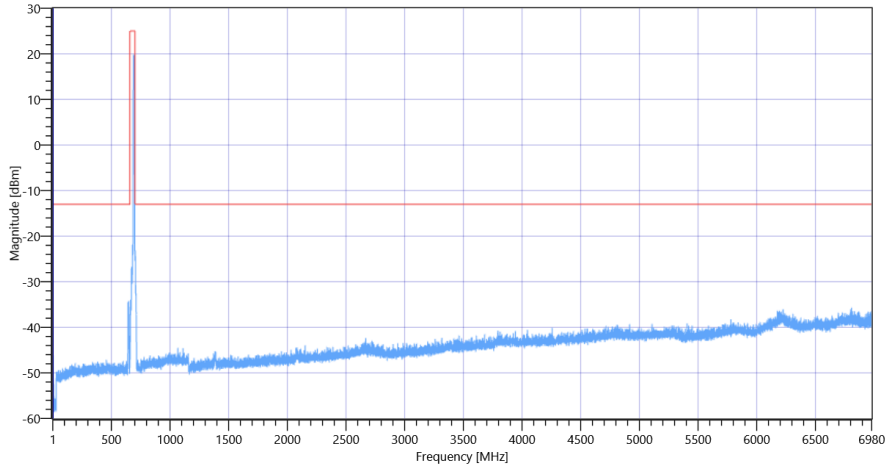
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.43 0 25
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: high, UL[MHz]/CH 693/138600, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

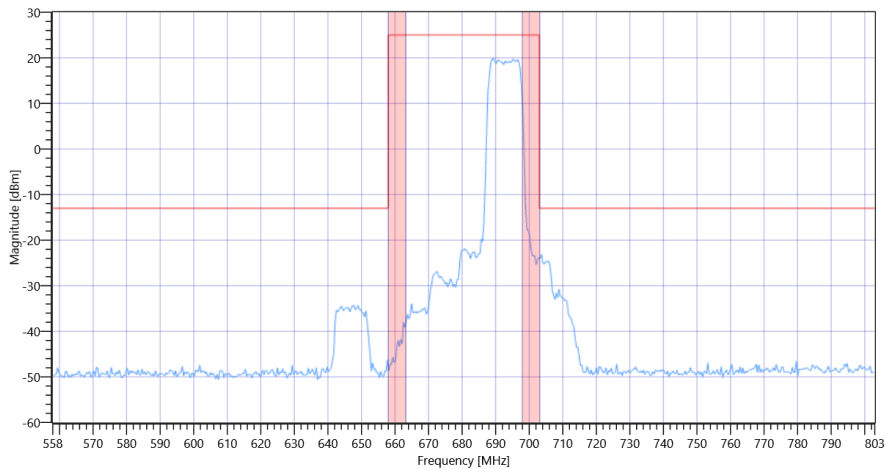
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
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RESULT Test freq: high, UL[MHz]/CH 693/138600, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 693 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 693

Test freq: high, UL[MHz]/CH 693/138600, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

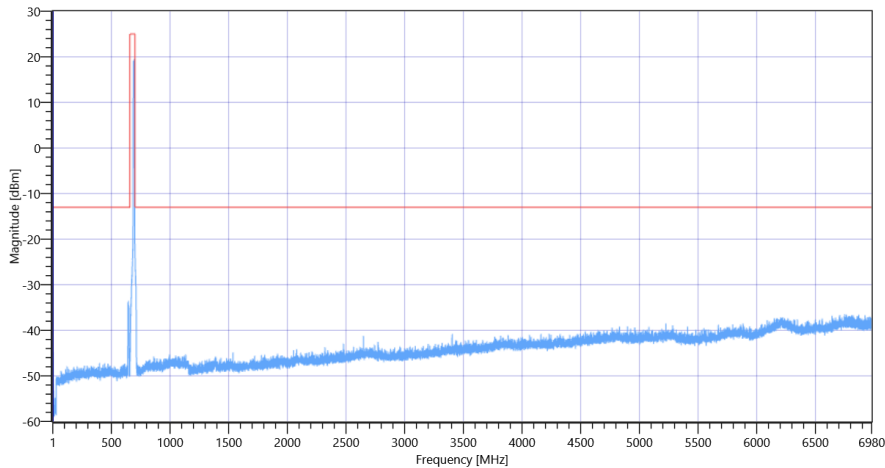
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.06 0 25
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: high, UL[MHz]/CH 693/138600, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

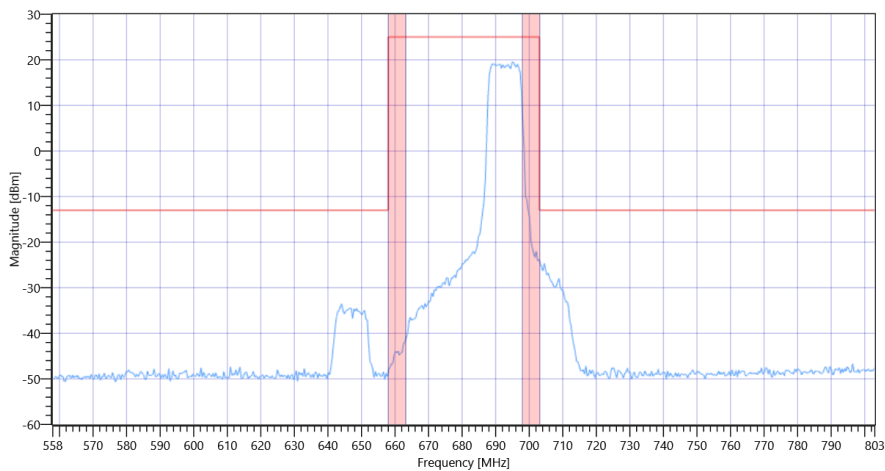
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
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RESULT Test freq: high, UL[MHz]/CH 693/138600, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 693 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 693

Test freq: high, UL[MHz]/CH 693/138600, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

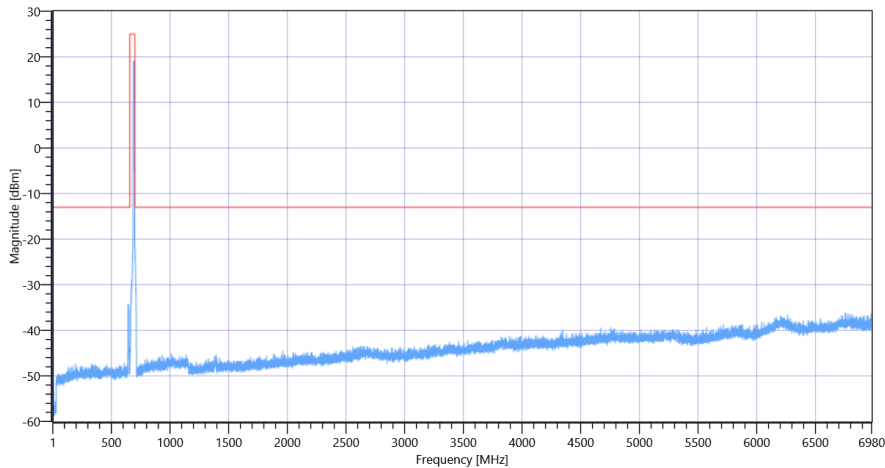
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.64 0 25
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: high, UL[MHz]/CH 693/138600, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

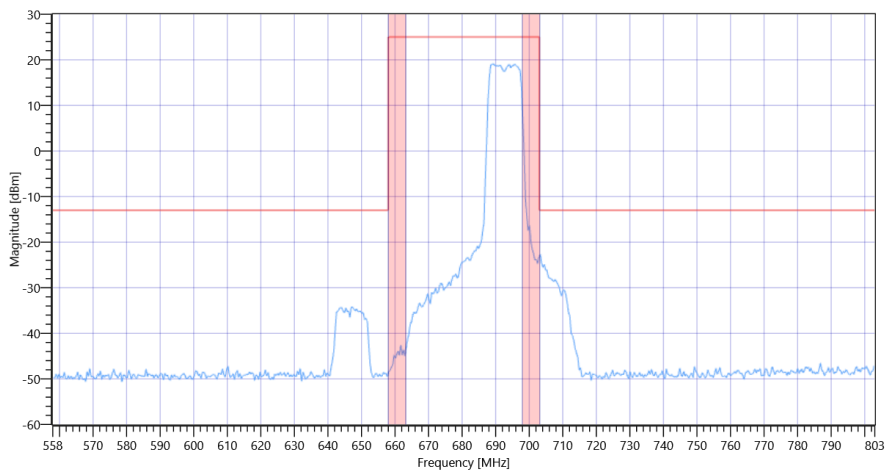
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
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RESULT Test freq: high, UL[MHz]/CH 693/138600, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 693 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 693

Test freq: high, UL[MHz]/CH 693/138600, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

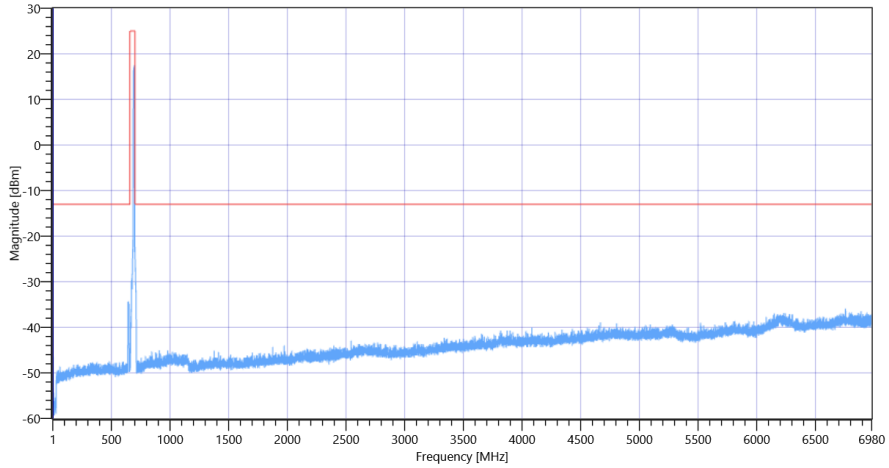
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.84 0 25
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: high, UL[MHz]/CH 693/138600, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

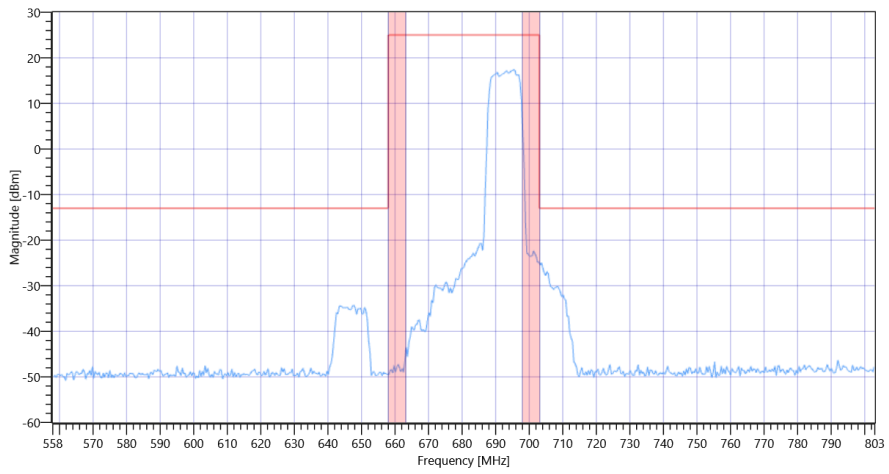
Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
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RESULT Test freq: high, UL[MHz]/CH 693/138600, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 693 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 693

Test at BW [MHz]: 15

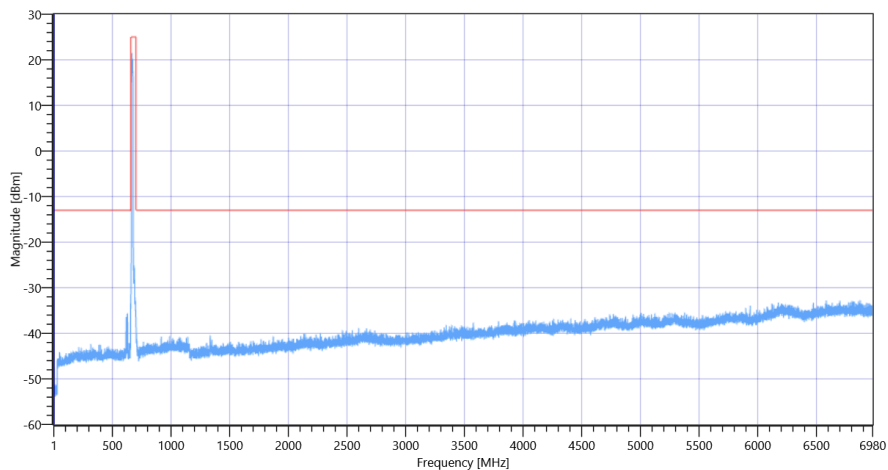
Test freq: low, UL[MHz]/CH 670.5/134100, CBW [MHz]: 15, RB_100PCT, Mod: BPSK

READ SA SETTINGS:

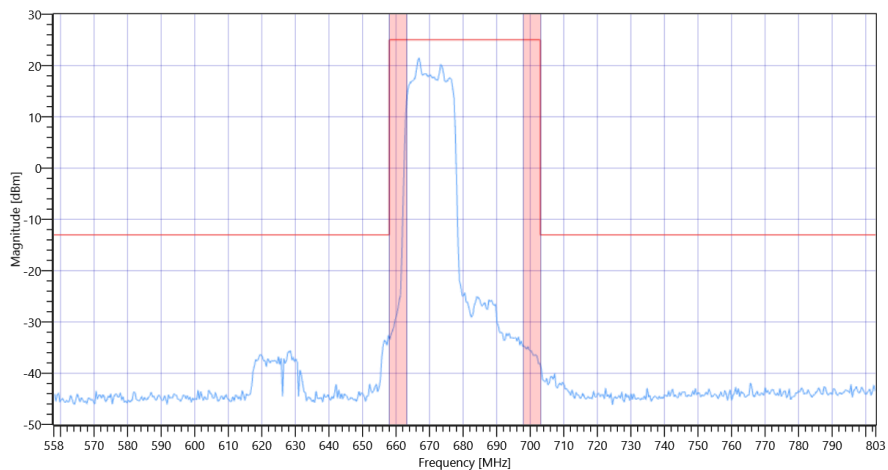
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.49 0 30
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 670.5/134100, CBW [MHz]: 15, RB_100PCT, Mod: BPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 670.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 670.5

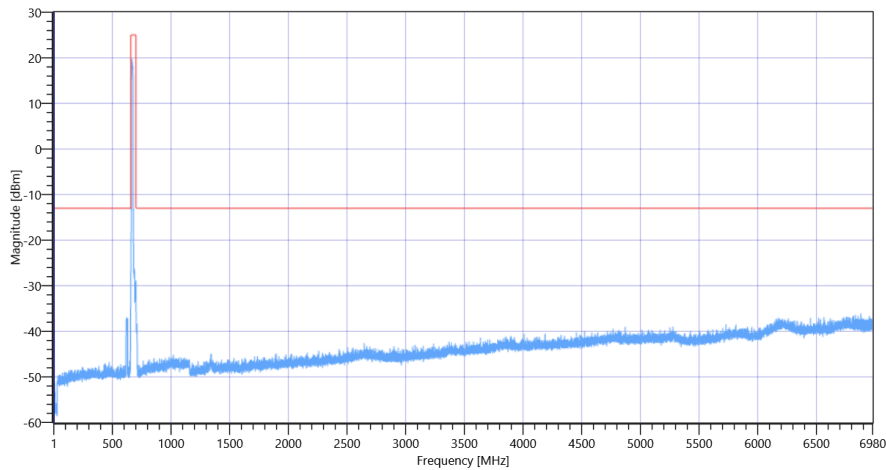
Test freq: low, UL[MHz]/CH 670.5/134100, CBW [MHz]: 15, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

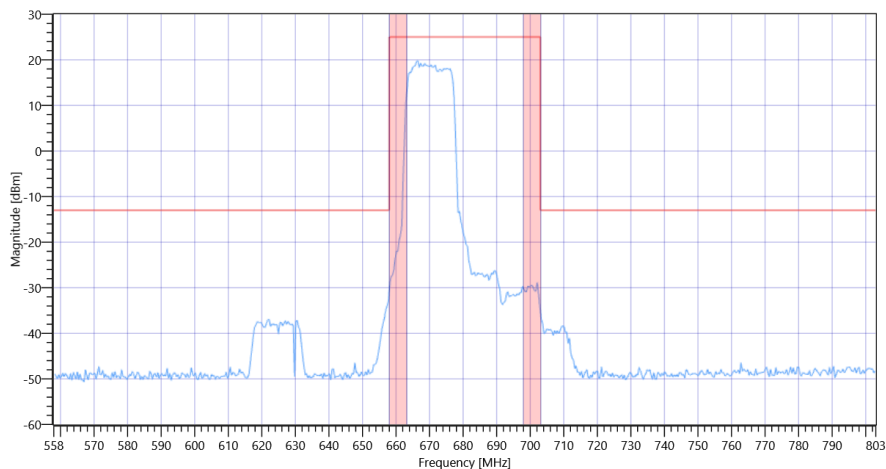
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.18 0 25
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 670.5/134100, CBW [MHz]: 15, RB_100PCT, Mod: QPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 670.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 670.5

Test freq: low, UL[MHz]/CH 670.5/134100, CBW [MHz]: 15, RB_100PCT, Mod: 16QAM

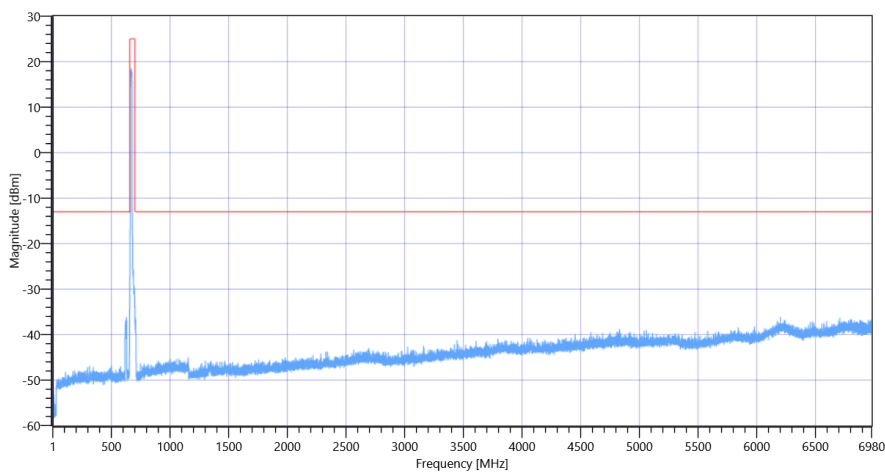
READ SA SETTINGS:

READ SA SETTINGS:

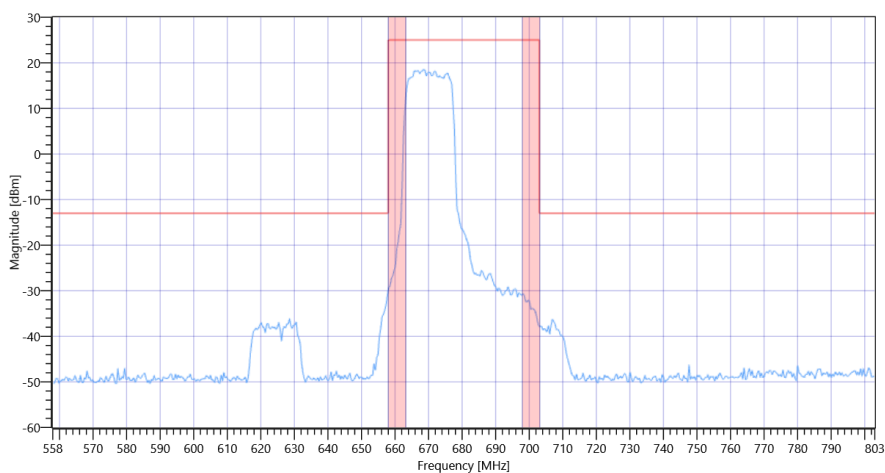
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.99 0 25
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 670.5/134100, CBW [MHz]: 15, RB_100PCT, Mod: 16QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 670.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 670.5

Test freq: low, UL[MHz]/CH 670.5/134100, CBW [MHz]: 15, RB_100PCT, Mod: 64QAM

READ SA SETTINGS:

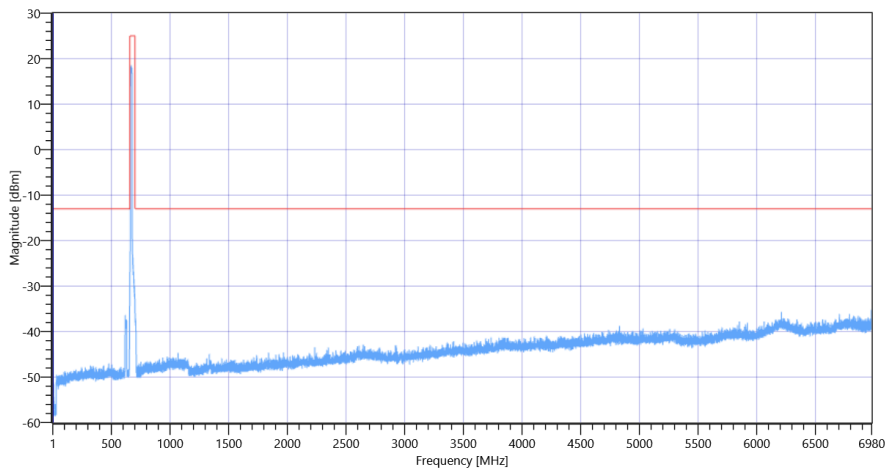
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.91 0 25
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READ SA SETTINGS:

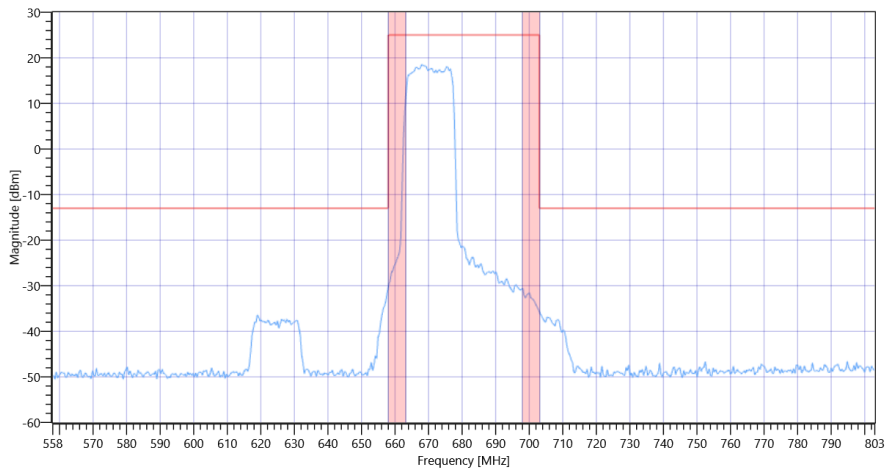
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 670.5/134100, CBW [MHz]: 15, RB_100PCT, Mod: 64QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 670.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 670.5

Test freq: low, UL[MHz]/CH 670.5/134100, CBW [MHz]: 15, RB_100PCT, Mod: 256QAM

READ SA SETTINGS:

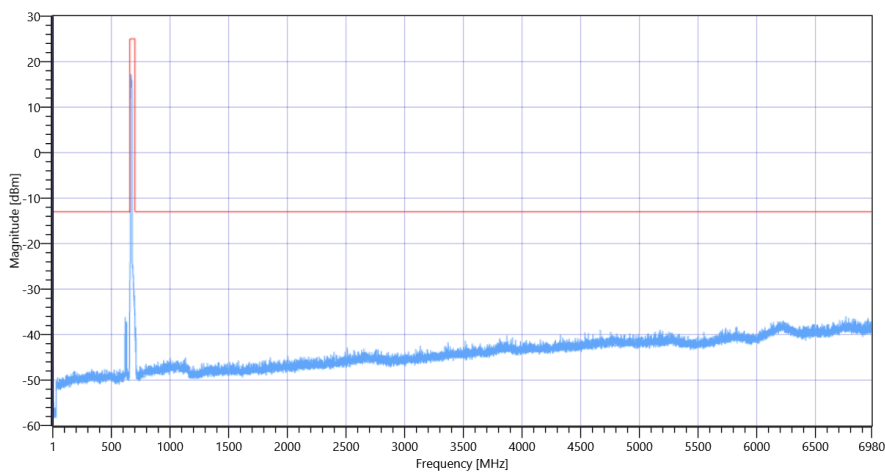
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.43 0 25
Start [MHz] Stop [MHz]	1.000 401.000

READ SA SETTINGS:

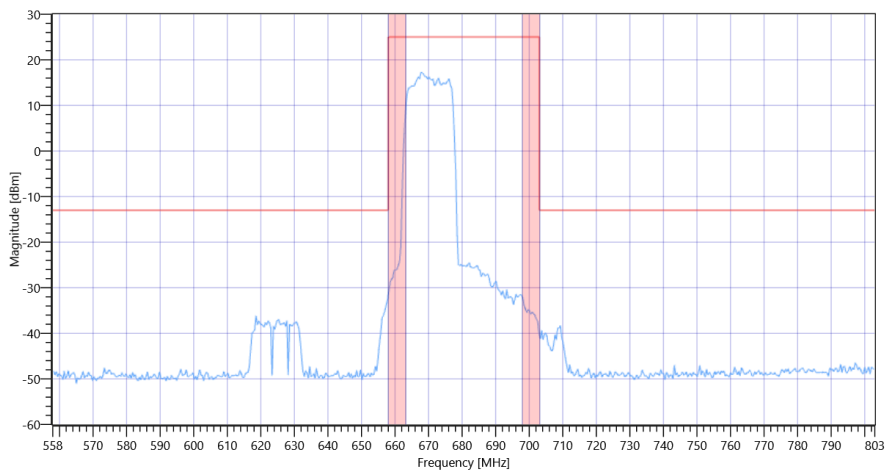
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: low, UL[MHz]/CH 670.5/134100, CBW [MHz]: 15, RB_100PCT, Mod: 256QAM

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 670.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 670.5

Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 15, RB_100PCT, Mod: BPSK

READ SA SETTINGS:

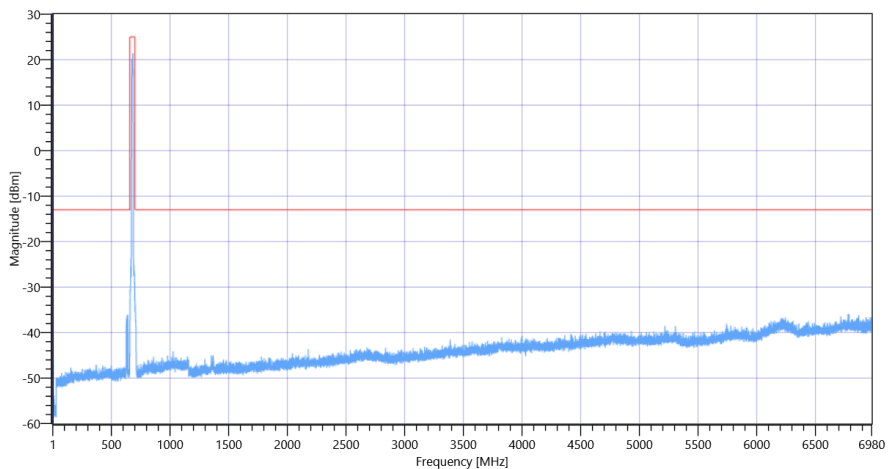
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.89 0 25
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000

READ SA SETTINGS:

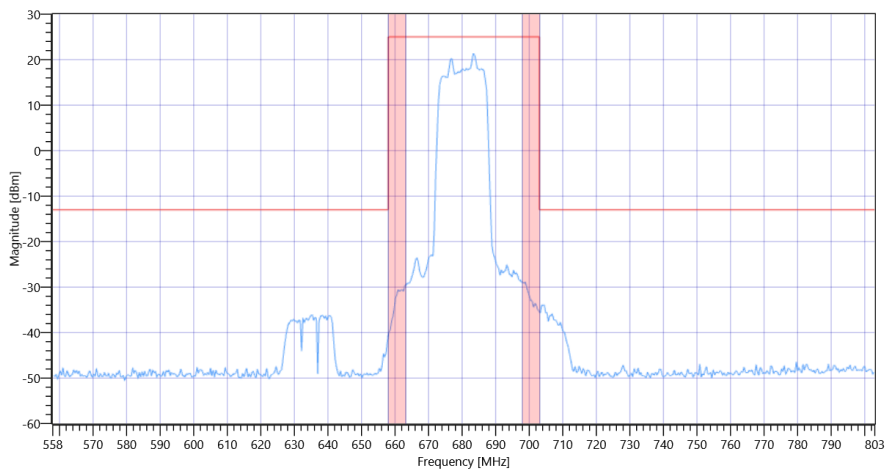
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE

RESULT Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 15, RB_100PCT, Mod: BPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5

Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 15, RB_100PCT, Mod: QPSK

READ SA SETTINGS:

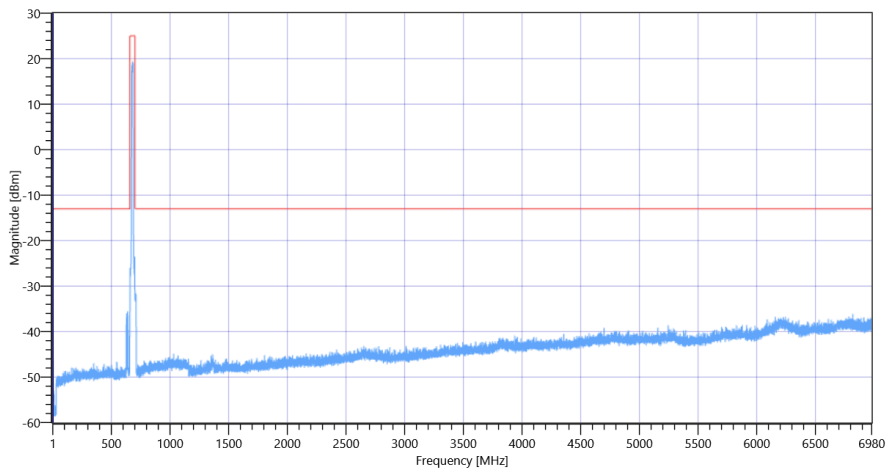
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.08 0 25
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH

READ SA SETTINGS:

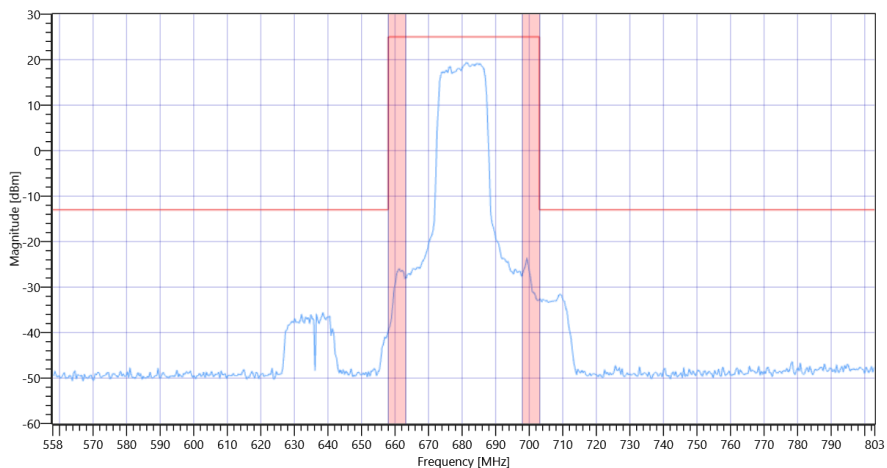
Sweep: Time [ms] | Count | Points per Section | Type 1600 | 1 | 1001 | SWE

RESULT Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 15, RB_100PCT, Mod: QPSK

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



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5 MHz



FCC, ISED # TX Emissions conducted ~ NR Band_71 Ant-1 SCS-15 680.5

Test freq: mid, UL[MHz]/CH 680.5/136100, CBW [MHz]: 15, RB_100PCT, Mod: 16QAM

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.25 0 25
Start [MHz] Stop [MHz]	1.000 401.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: Time [ms] Count Points per Section Type	1600 1 1001 SWE