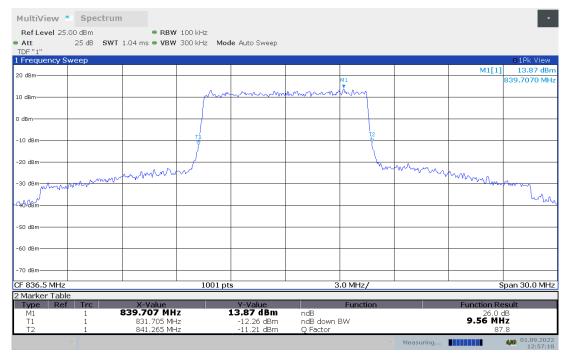


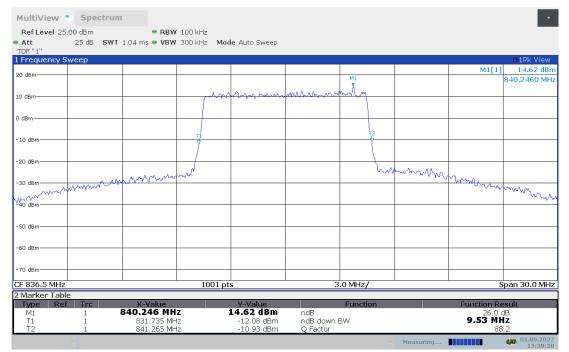
LTE Band 5, 10MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
836.5	QPSK	16QAM
030.5	9.56	9.53

LTE Band 5, 10MHz Bandwidth, QPSK (-26dBc BW)



LTE Band 5, 10MHz Bandwidth, 16QAM (-26dBc BW)

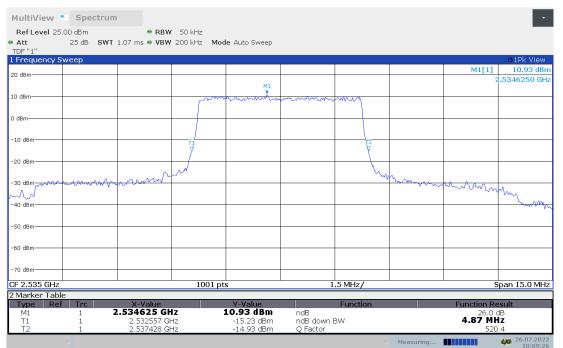




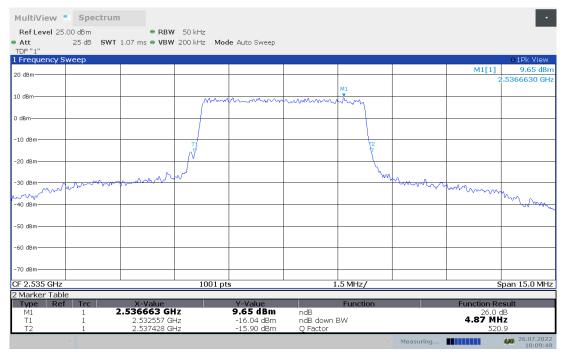
LTE band 7, 5MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2525.0	QPSK	16QAM
2535.0	4.87	4.87

LTE band 7, 5MHz Bandwidth, QPSK (-26dBc BW)



LTE band 7, 5MHz Bandwidth,16QAM (-26dBc BW)

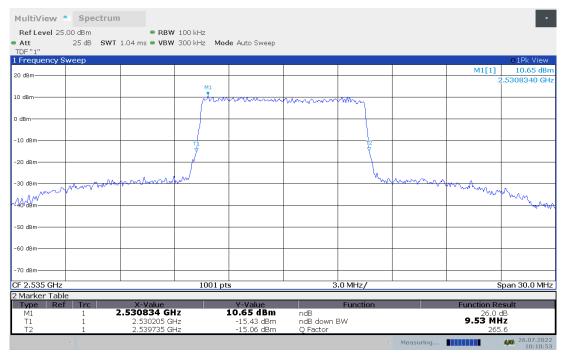




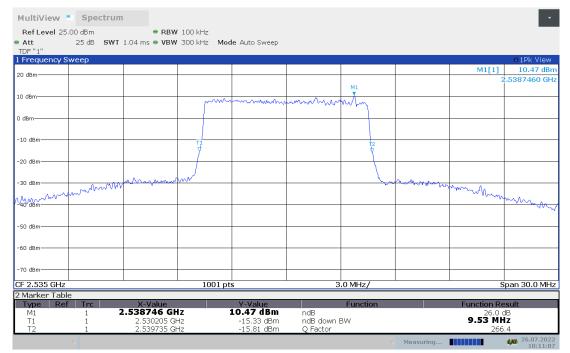
LTE band 7, 10MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2525.0	QPSK	16QAM
2535.0	9.53	9.53

LTE band 7, 10MHz Bandwidth, QPSK (-26dBc BW)



LTE band 7, 10MHz Bandwidth, 16QAM (-26dBc BW)

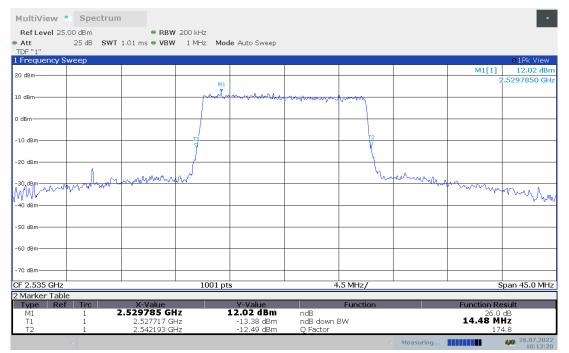




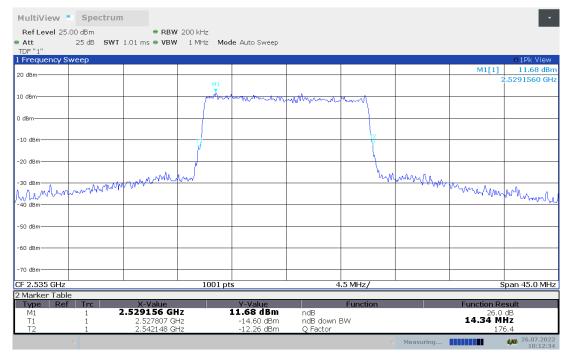
LTE band 7, 15MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2525.0	QPSK	16QAM
2535.0	14.48	14.34

LTE band 7, 15MHz Bandwidth, QPSK (-26dBc BW)



LTE band 7, 15MHz Bandwidth, 16QAM (-26dBc BW)

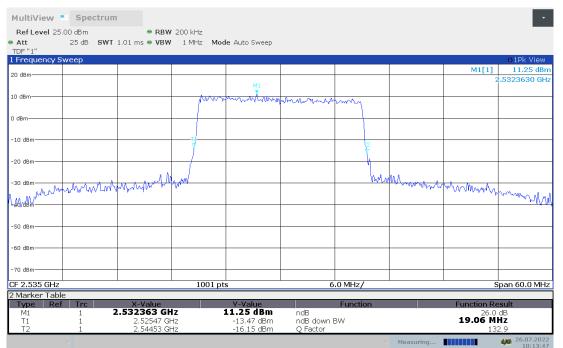




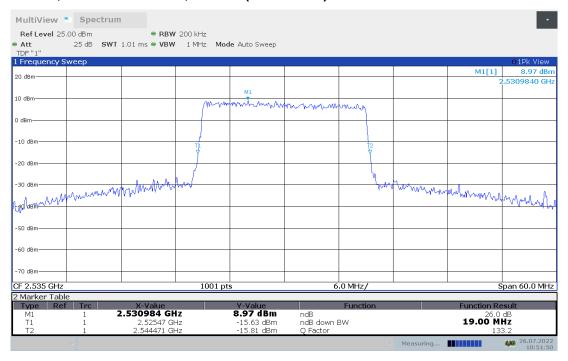
LTE band 7, 20MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2535.0	QPSK	16QAM
2555.0	19.06	19.00

LTE band 7, 20MHz Bandwidth, QPSK (-26dBc BW)



LTE band 7, 20MHz Bandwidth, 16QAM (-26dBc BW)

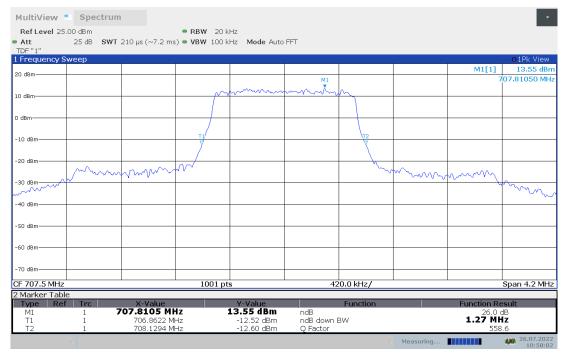




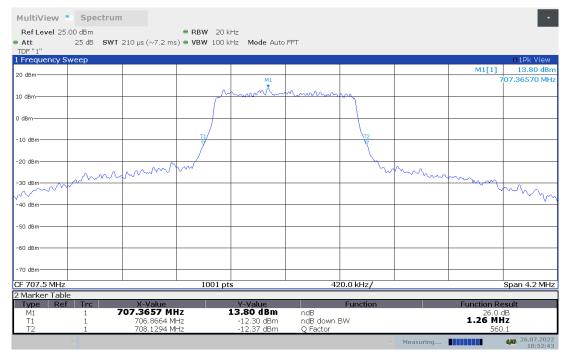
LTE band 12, 1.4MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
707.5	QPSK	16QAM
707.5	1.27	1.26

LTE band 12, 1.4MHz Bandwidth, QPSK (-26dBc BW)



LTE band 12, 1.4MHz Bandwidth, 16QAM (-26dBc BW)

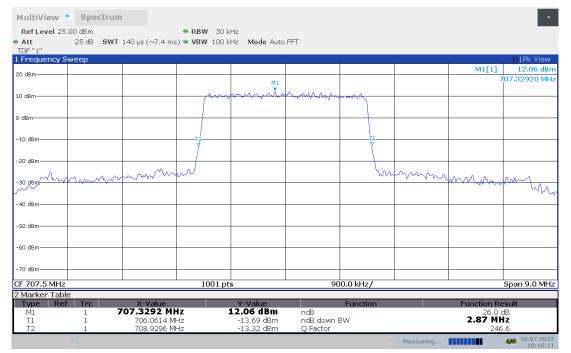




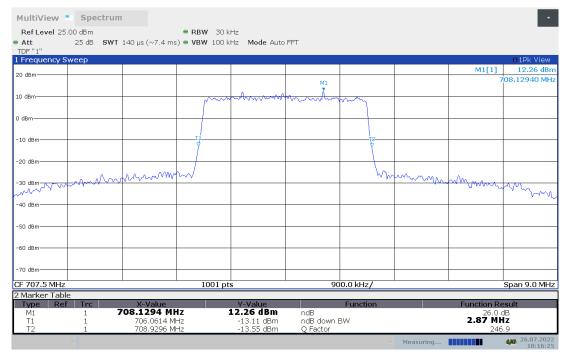
LTE band 12, 3MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
707 5	QPSK	16QAM
707.5	2.87	2.87

LTE band 12, 3MHz Bandwidth, QPSK (-26dBc BW)



LTE band 12, 3MHz Bandwidth, 16QAM (-26dBc BW)

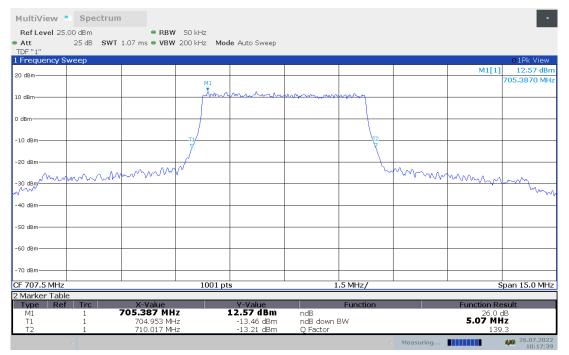




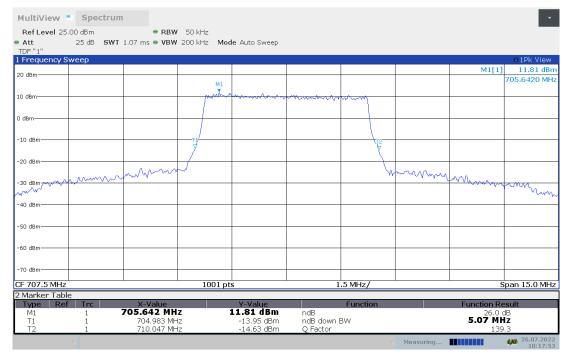
LTE band 12, 5MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
707.5	QPSK	16QAM
107.5	5.07	5.07

LTE band 12, 5MHz Bandwidth, QPSK (-26dBc BW)



LTE band 12, 5MHz Bandwidth,16QAM (-26dBc BW)

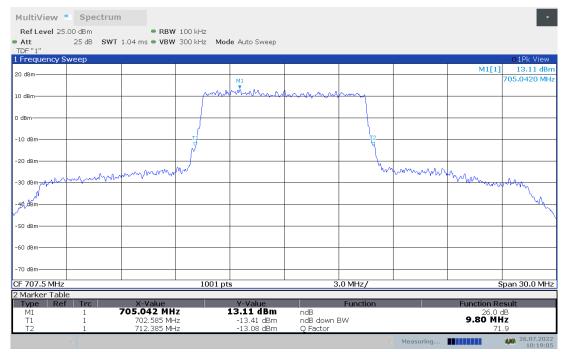




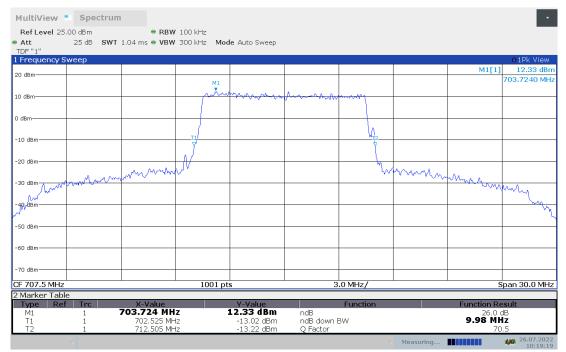
LTE band 12, 10MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
707.5	QPSK	16QAM
107.5	9.80	9.98

LTE band 12, 10MHz Bandwidth, QPSK (-26dBc BW)



LTE band 12, 10MHz Bandwidth, 16QAM (-26dBc BW)

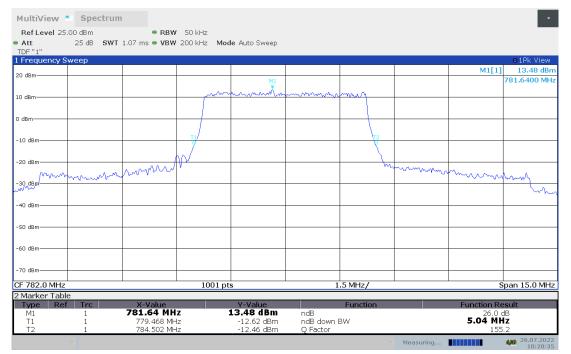




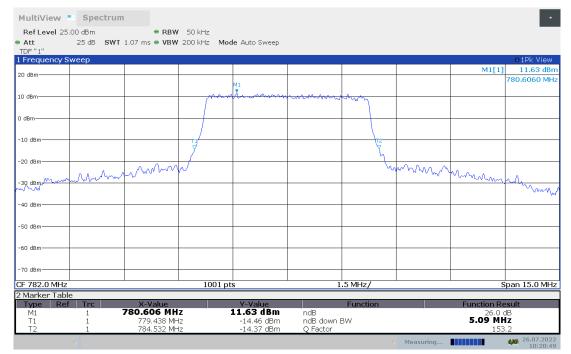
LTE band 13, 5MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
782.0	QPSK	16QAM
782.0	5.04	5.09

LTE band 13, 5MHz Bandwidth, QPSK (-26dBc BW)



LTE band 13, 5MHz Bandwidth,16QAM (-26dBc BW)

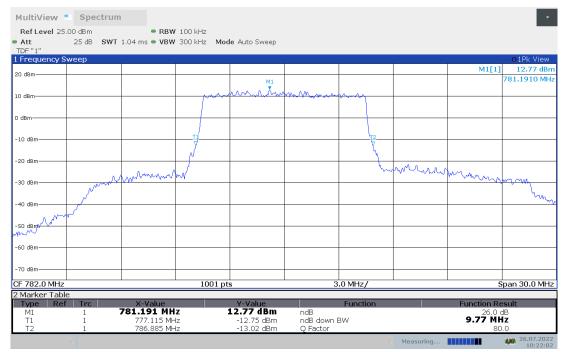




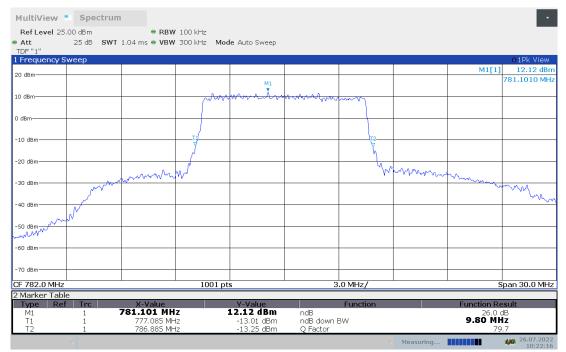
LTE band 13, 10MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
782.0	QPSK	16QAM
782.0	9.77	9.80

LTE band 13, 10MHz Bandwidth, QPSK (-26dBc BW)



LTE band 13, 10MHz Bandwidth, 16QAM (-26dBc BW)

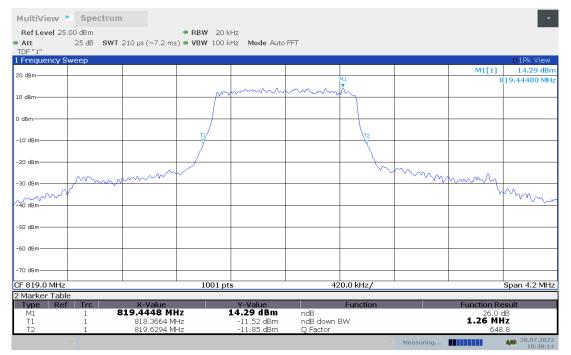




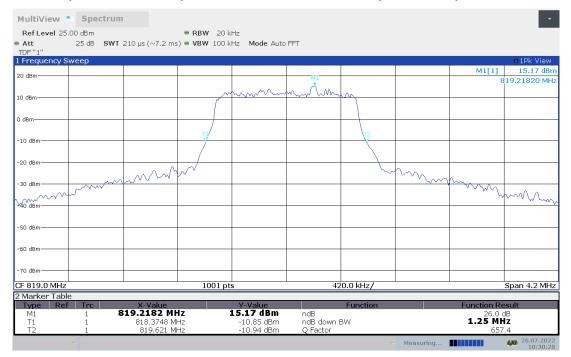
LTE band 26(814MHz-824MHz), 1.4MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
819.0	QPSK	16QAM
019.0	1.26	1.25

LTE band 26(814MHz-824MHz), 1.4MHz Bandwidth, QPSK (-26dBc BW)



LTE band 26(814MHz-824MHz), 1.4MHz Bandwidth, 16QAM (-26dBc BW)

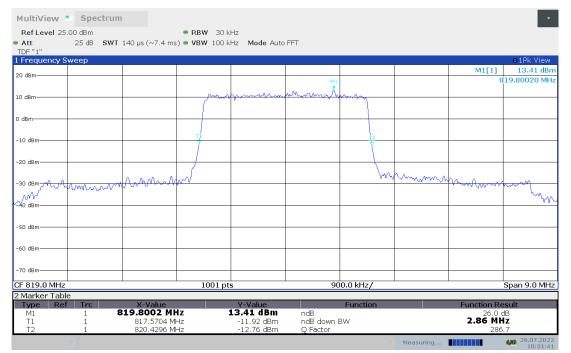




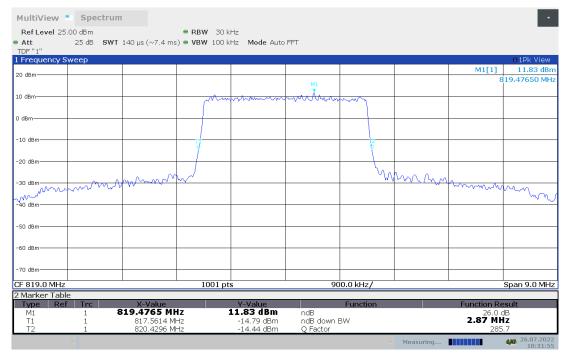
LTE band 26(814MHz-824MHz), 3MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
810.0	QPSK	16QAM
819.0	2.86	2.8

LTE band 26(814MHz-824MHz), 3MHz Bandwidth, QPSK (-26dBc BW)



LTE band 26(814MHz-824MHz), 3MHz Bandwidth, 16QAM (-26dBc BW)

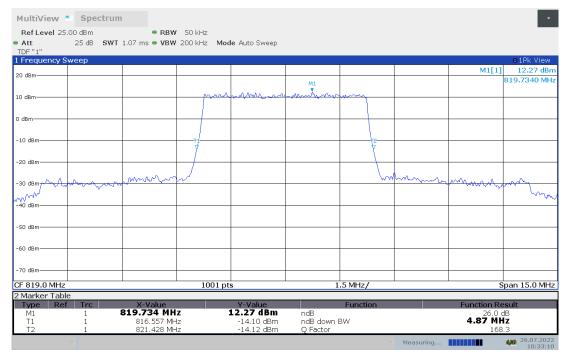




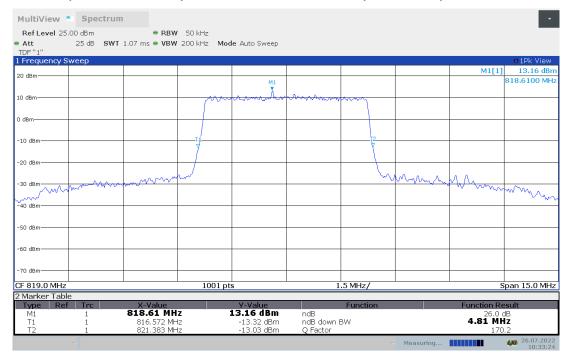
LTE band 26(814MHz-824MHz), 5MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
819.0	QPSK	16QAM
019.0	4.87	4.81

LTE band 26(814MHz-824MHz), 5MHz Bandwidth, QPSK (-26dBc BW)



LTE band 26(814MHz-824MHz), 5MHz Bandwidth,16QAM (-26dBc BW)

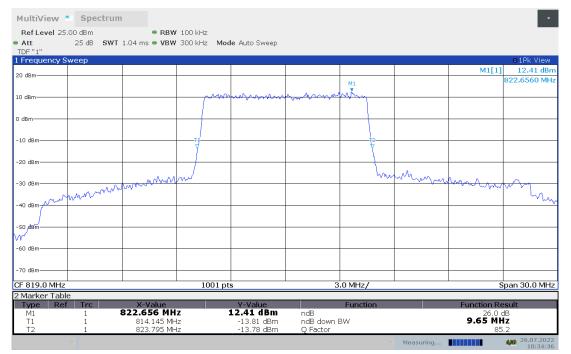




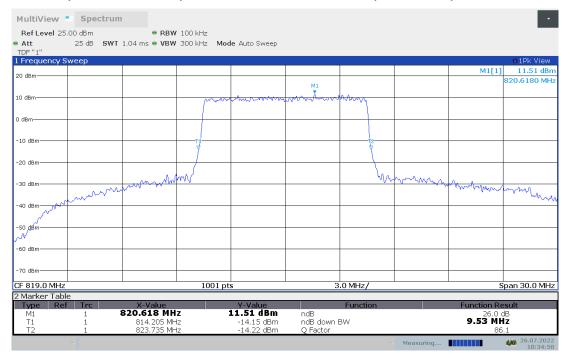
LTE band 26(814MHz-824MHz), 10MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth	(-26dBc BW)(kHz)
810.0	QPSK	16QAM
819.0	9.65	9.53

LTE band 26(814MHz-824MHz), 10MHz Bandwidth, QPSK (-26dBc BW)



LTE band 26(814MHz-824MHz), 10MHz Bandwidth, 16QAM (-26dBc BW)

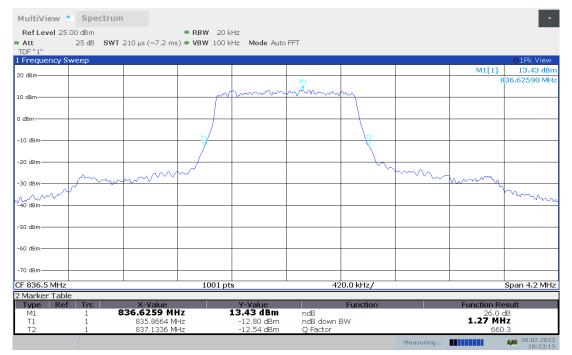




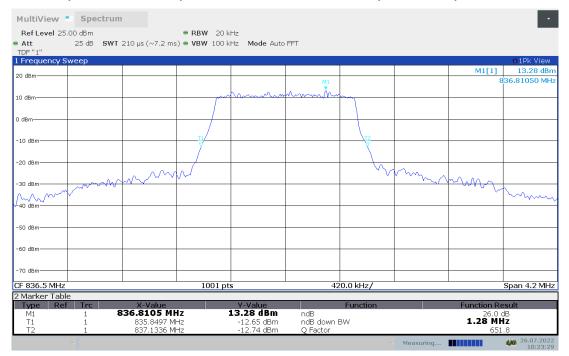
LTE band 26(824MHz-849MHz), 1.4MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
926 F	QPSK	16QAM
836.5	1.27	1.28

LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, QPSK (-26dBc BW)



LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, 16QAM (-26dBc BW)

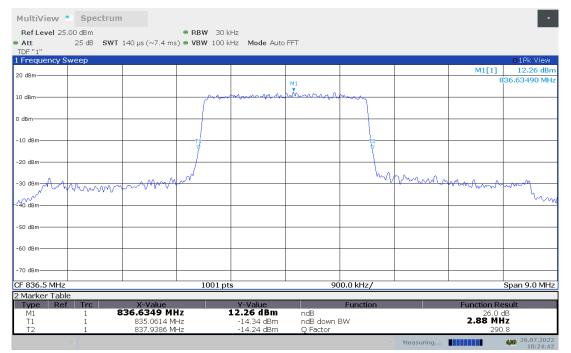




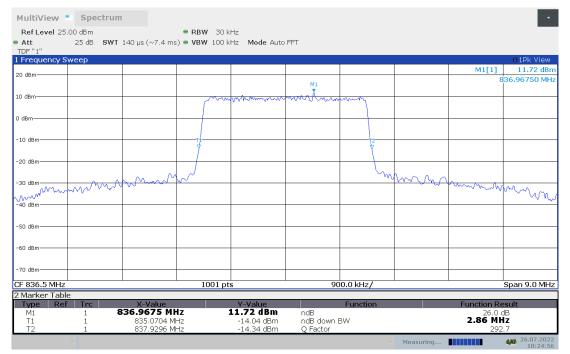
LTE band 26(824MHz-849MHz), 3MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
836.5	QPSK	16QAM
030.3	2.88	2.86

LTE band 26(824MHz-849MHz), 3MHz Bandwidth, QPSK (-26dBc BW)



LTE band 26(824MHz-849MHz), 3MHz Bandwidth, 16QAM (-26dBc BW)

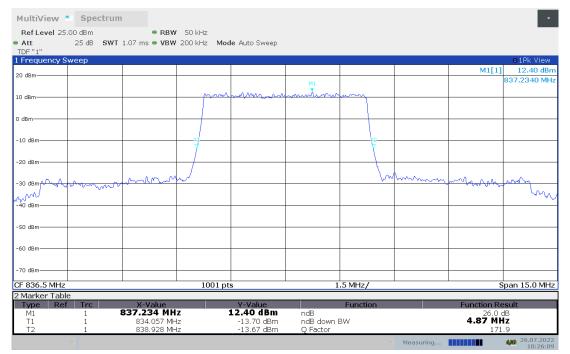




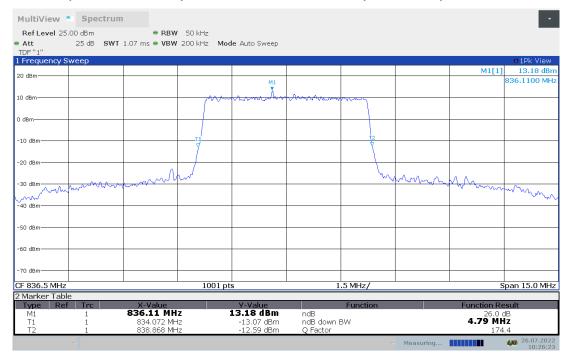
LTE band 26(824MHz-849MHz), 5MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
836.5	QPSK	16QAM
030.0	4.87	4.79

LTE band 26(824MHz-849MHz), 5MHz Bandwidth, QPSK (-26dBc BW)



LTE band 26(824MHz-849MHz), 5MHz Bandwidth,16QAM (-26dBc BW)

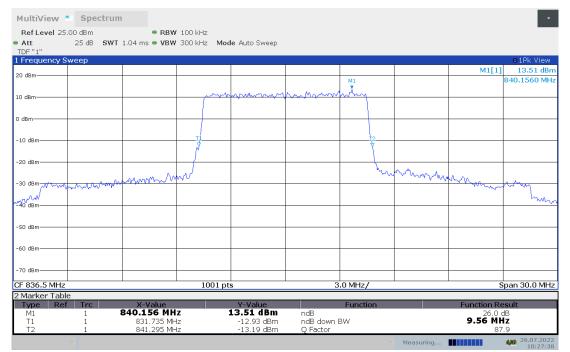




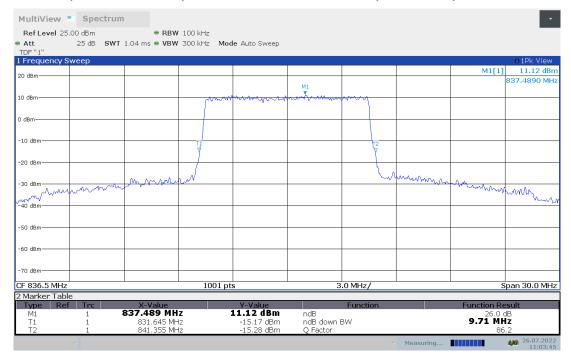
LTE band 26(824MHz-849MHz), 10MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
836.5	QPSK	16QAM
030.3	9.56	9.71

LTE band 26(824MHz-849MHz), 10MHz Bandwidth, QPSK (-26dBc BW)



LTE band 26(824MHz-849MHz), 10MHz Bandwidth, 16QAM (-26dBc BW)

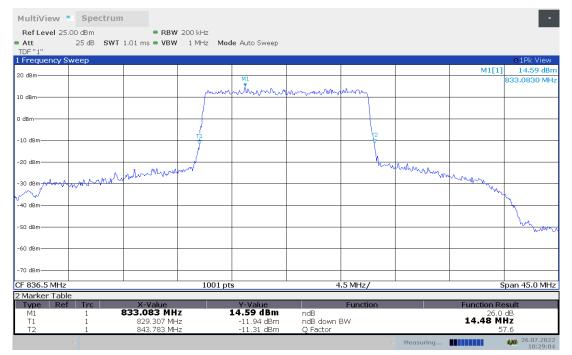




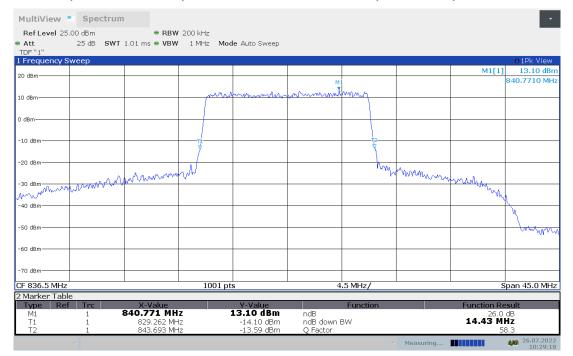
LTE band 26(824MHz-849MHz), 15MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth	(-26dBc BW)(kHz)
836.5	QPSK	16QAM
030.0	14.48	14.43

LTE band 26(824MHz-849MHz), 15MHz Bandwidth, QPSK (-26dBc BW)



LTE band 26(824MHz-849MHz), 15MHz Bandwidth, 16QAM (-26dBc BW)

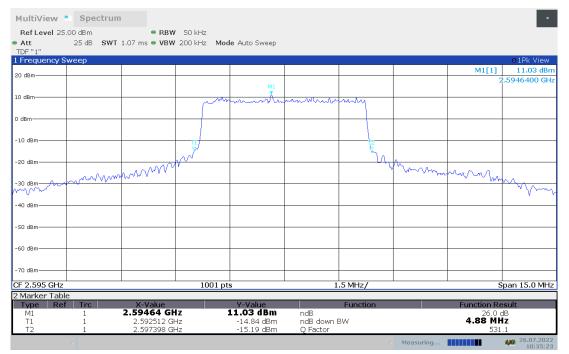




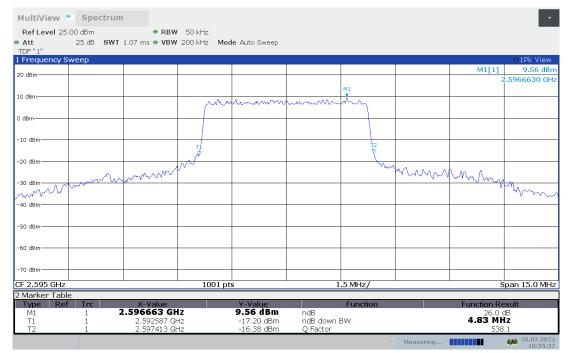
LTE band 38, 5MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2505.0	QPSK	16QAM
2595.0	4.88	4.83

LTE band 38, 5MHz Bandwidth, QPSK (-26dBc BW)



LTE band 38, 5MHz Bandwidth,16QAM (-26dBc BW)

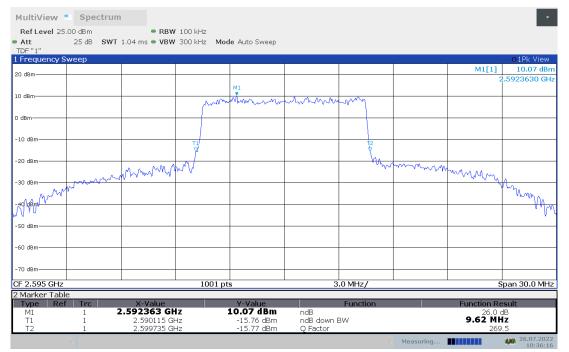




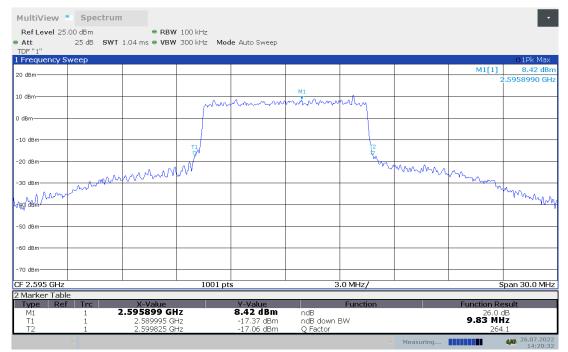
LTE band 38, 10MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2505.0	QPSK	16QAM
2595.0	9.62	9.83

LTE band 38, 10MHz Bandwidth, QPSK (-26dBc BW)



LTE band 38, 10MHz Bandwidth, 16QAM (-26dBc BW)





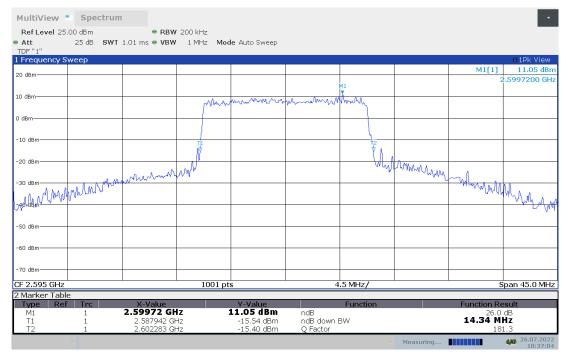
LTE band 38, 15MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2505.0	QPSK	16QAM
2595.0	14.30	14.34

LTE band 38, 15MHz Bandwidth, QPSK (-26dBc BW)



LTE band 38, 15MHz Bandwidth, 16QAM (-26dBc BW)

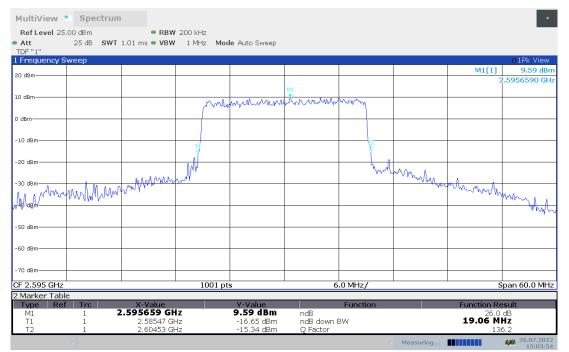




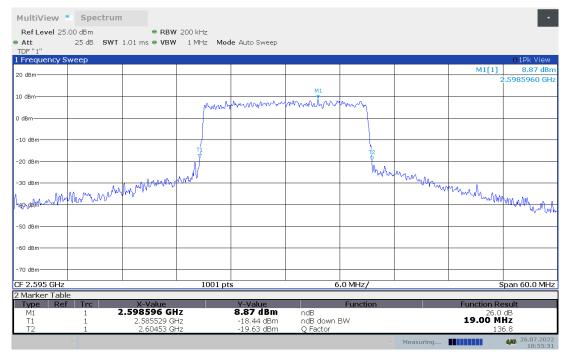
LTE band 38, 20MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2505.0	QPSK	16QAM
2595.0	19.06	19.00

LTE band 38, 20MHz Bandwidth, QPSK (-26dBc BW)



LTE band 38, 20MHz Bandwidth, 16QAM (-26dBc BW)

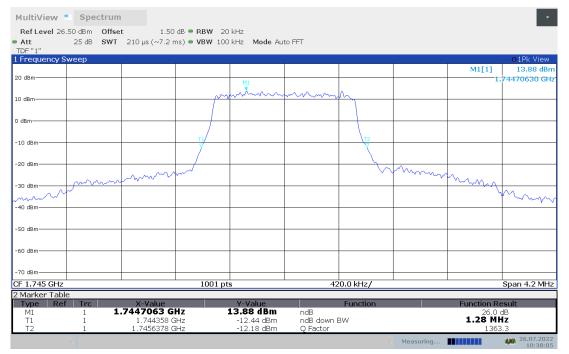




LTE band 66, 1.4MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
1745 0	QPSK	16QAM
1745.0	1.28	1.26

LTE band 66, 1.4MHz Bandwidth, QPSK (-26dBc BW)



LTE band 66, 1.4MHz Bandwidth, 16QAM (-26dBc BW)

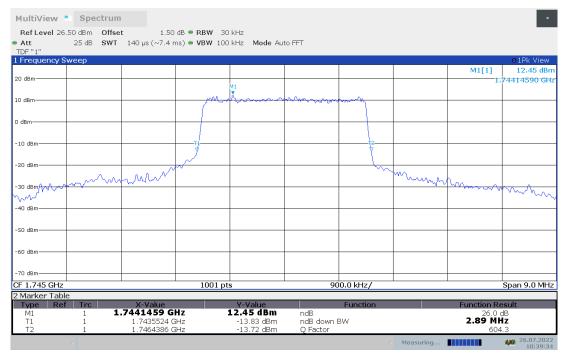




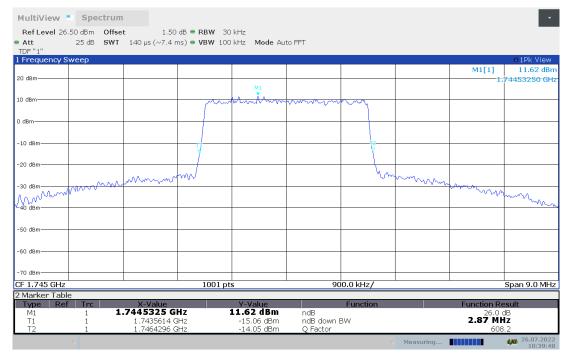
LTE band 66, 3MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz) QPSK 16QAM 2 89 2 87	
1745 0	QPSK	16QAM
1745.0	2.89	2.87

LTE band 66, 3MHz Bandwidth, QPSK (-26dBc BW)



LTE band 66, 3MHz Bandwidth, 16QAM (-26dBc BW)

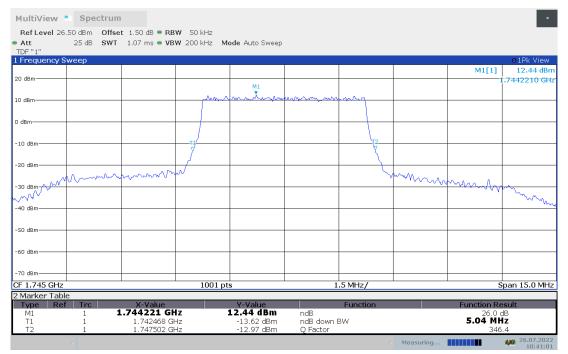




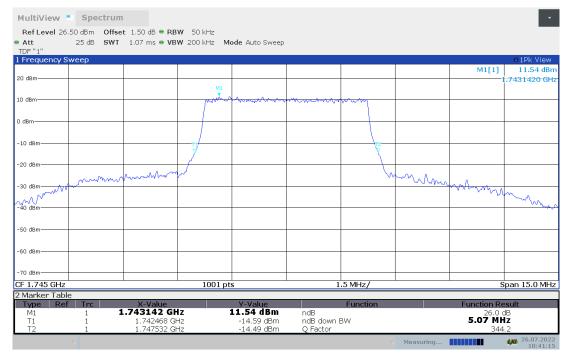
LTE band 66, 5MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1745.0	QPSK	16QAM	
	5.04	5.07	

LTE band 66, 5MHz Bandwidth, QPSK (-26dBc BW)



LTE band 66, 5MHz Bandwidth,16QAM (-26dBc BW)





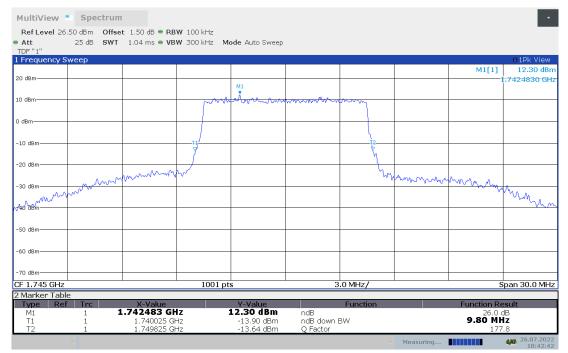
LTE band 66, 10MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)			
1745.0	QPSK	16QAM		
	9.86	9.80		

LTE band 66, 10MHz Bandwidth, QPSK (-26dBc BW)



LTE band 66, 10MHz Bandwidth, 16QAM (-26dBc BW)

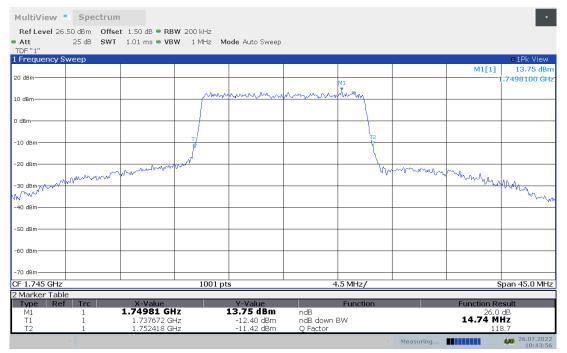




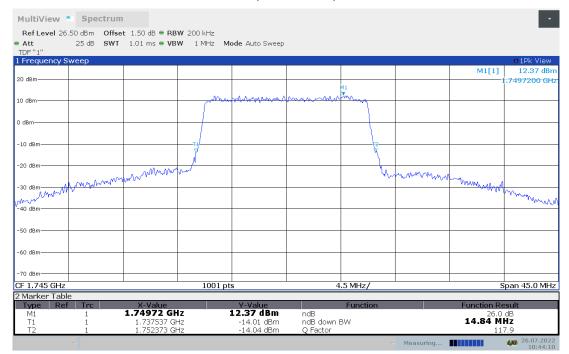
LTE band 66, 15MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)			
4745.0	QPSK	16QAM		
1745.0	14.74	14.84		

LTE band 66, 15MHz Bandwidth, QPSK (-26dBc BW)



LTE band 66, 15MHz Bandwidth, 16QAM (-26dBc BW)

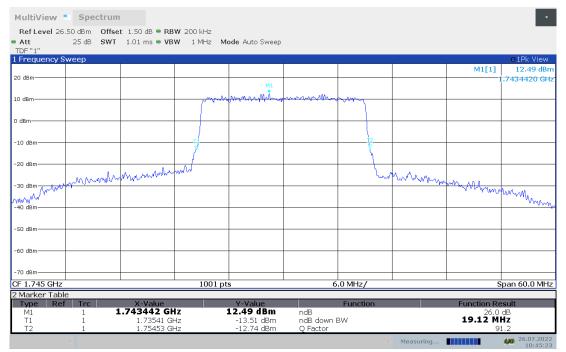




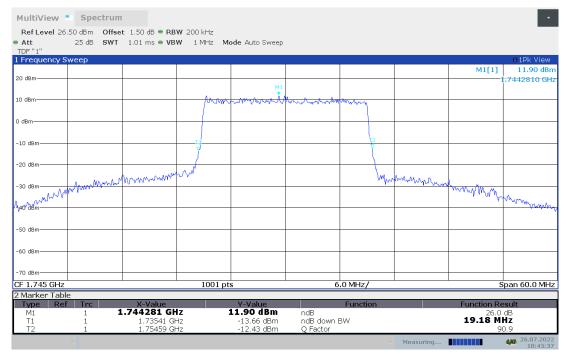
LTE band 66, 20MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)			
1715.0	QPSK	16QAM		
1745.0	19.12	19.18		

LTE band 66, 20MHz Bandwidth, QPSK (-26dBc BW)



LTE band 66, 20MHz Bandwidth, 16QAM (-26dBc BW)



Note: Expanded measurement uncertainty is U = 3428 Hz, k = 2



A.6 BAND EDGE COMPLIANCE

Reference

FCC: CFR Part 2.1051, 22.917, 24.238, 27.53, 90.691.

A.6.1 Measurement limit

Part 22.917 For operations in the 824–849MHz band, the FCC limit is 43 +10 log (P)dB below the transmitter power(P) in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

Part 24.238 and Part 27.53(h) specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

Part 27.53(m) specifies for mobile digital stations, the attenuation factor shall be not less than 40+ 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Part 27.53(g) states for operations in the 600 MHz band and the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 +10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

Part 90.691 states that out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 Log10(f/6.1) decibels or 50 + 10 Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz. For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) decibels or 80 decibels, whichever is the lesser attenuation, where f is greater than 12.5 kHz. For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + 10Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.



A.6.2Measurement Procedure

The testing follows ANSI C63.26

a) The EUT was connected to spectrum analyzer and system simulator via a power divider.

b) The band edges of low and high channels for the highest RF powers were measured.

c) Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.

d) Set spectrum analyzer with RMS detector.

e) The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

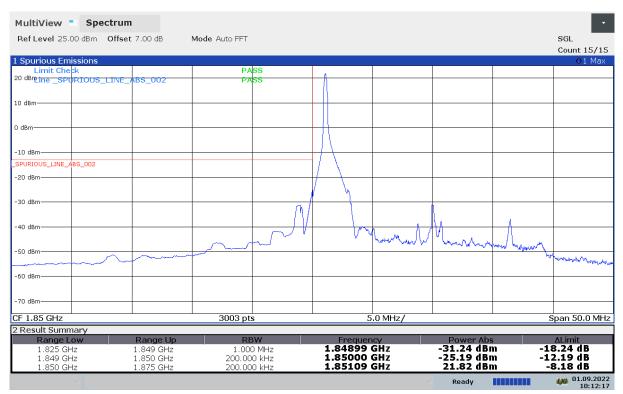
f) Checked that all the results comply with the emission limit line.

A.6.3 Measurement result

Only worst case result is given below



LTE band 2 LOW BAND EDGE BLOCK-1RB-low_offset



HIGH BAND EDGE BLOCK-1RB-high_offset



LOW BAND EDGE BLOCK-20MHz-100%RB

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No. I22N01585-RF-LTE



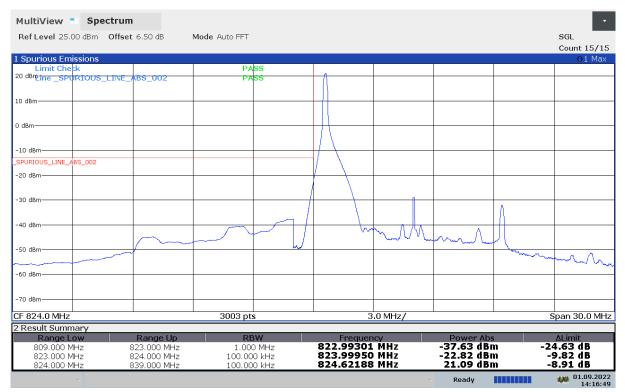
MultiView - Spectrum					· •
Ref Level 25.00 dBm Offset	: 7.00 dB I	Mode Auto FFT			SGL
					Count 15/15
1 Spurious Emissions					o1 Max
Limit Check		PASS			
20 dBmLine _SPURIOUS_LINE_	ABS_002	PASS			
10 dBm					
0.40			for and prover the many have been	Marine where the water the second	nuy -
0 dBm					
-10 dBm					
_SPURIOUS_LINE_ABS_002					
-20 dBm					
20 0011					
-30 dBm					
-30 dBm	\sim				
					Manan Maran
-40 dBm					
-50 dBm					
-60 dBm					
-70 dBm					
-70 dbm					
CF 1.85 GHz		3003 pts	5.0 MHz/		Span 50.0 MHz
2 Result Summary		<u>_</u>	· · · · ·		
Range Low	Range Up	RBW	Frequency	Power Abs	∆Limit
1.825 GHz	1.849 GHz	1.000 MHz	1.84899 GHz	-23.65 dBm	-10.65 dB
	1.850 GHz	200.000 kHz	1.85000 GHz	-28.56 dBm	-15.56 dB
1.850 GHz	1.875 GHz	200.000 kHz	1.85206 GHz	5.23 dBm	-24.77 dB
			2	Ready Ready	01.09.2022 01:13:18

HIGH BAND EDGE BLOCK-20MHz-100%RB

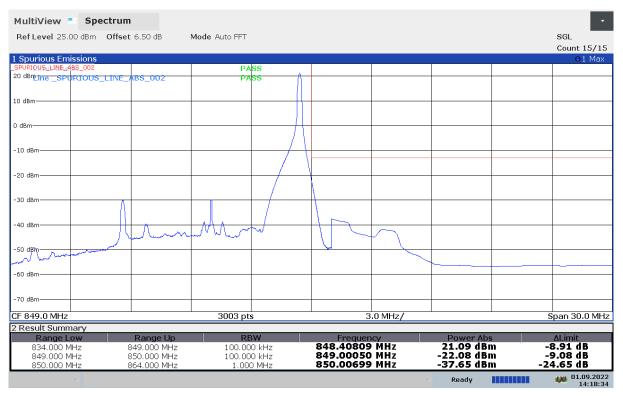
MultiView Spectrum Ref Level 20.00 dBm Offse		1ode Auto FFT			SGL Count 15/15
1 Spurious Emissions SPURIOUS:LINE, ABS_002	1	PASS		T	●1 Max
Line SPURIOUS LINE	ARE 002	PASS			
10 dBm	_KB3_002	FA35			
10 0011					
0 dBm					
-10 dBm					
-20 dBm					
-20 UBM					
-30 dBm					
				~	
-40 dBm					
-50 dBm-					
-60 dBm					
-70 dBm					
10 dbiii					
CF 1.91 GHz	· · · · ·	3003 pts	5.0 MH	z/	Span 50.0 MHz
2 Result Summary		· · · · · · · · · · · · · · · · · · ·			
Range Low	Range Up	RBW	Frequency	Power Abs	∆Limit
1.885 GHz	1.910 GHz	200.000 kHz	1.89211 GHz	2.30 dBm	
1.910 GHz	1.911 GHz	200.000 kHz	1.91007 GHz	-35.66 dBm	
1.911 GHz	1.935 GHz	1.000 MHz	1.91101 GHz	-30.83 dBm	
				🔻 Ready	01.09.2022



LTE Band 5 LOW BAND EDGE BLOCK-1RB-low_offset



HIGH BAND EDGE BLOCK-1RB-high_offset





LOW BAND EDGE BLOCK-10MHz-100%RB

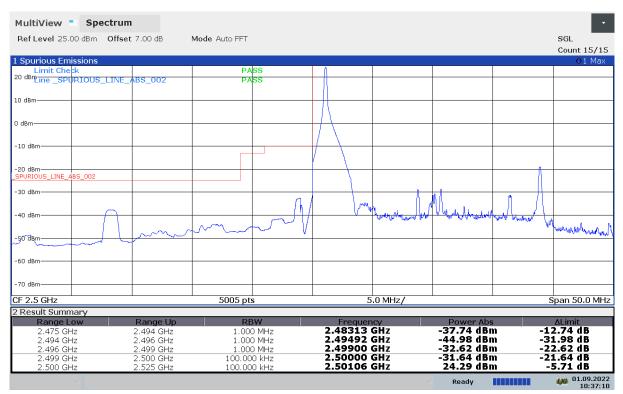
MultiView Spectru Ref Level 25.00 dBm Offset		Mode Auto FFT						SGL
								Count 15/15
1 Spurious Emissions Limit Check		PA	88					o1 Max
20 dBm_ine_SPORTOUS_LINE	ABS UUZ	PA						
10 dBm								
10 0011								
				mon	moundary	-	ing	
0 dBm								
-10 dBm								
_SPURIOUS_LINE_ABS_002								
-20 dBm								
				1				
-30 dBm			- me					
			Q.C.M.				and the second second	munament
-40_dBm	-							
-50 dBm								
-60 dBm								
-70 dBm								
CF 824.0 MHz		3003 pts		2	.0 MHz/			pan 30.0 MHz
		3003 pts	,	3	10 1911 127		3	part 50.0 MHz
2 Result Summary Range Low	Range Up	RB	147	Frequen		Power Abs		ΔLimit
809,000 MHz	823.000 MHz	1.000		822.95105		-22.99 dBr		7.99 dB
823.000 MHz	824.000 MHz	100.000		823.99750	MHz	-31.43 dBr	n -11	3.43 dB
824.000 MHz	839.000 MHz	100.000) kHz	824.89161	MHz	4.38 dBr	n2!	5.62 dB
~					~	Ready		01.09.2022 14:17:26

HIGH BAND EDGE BLOCK-10MHz-100%RB

MultiView Spectrum Ref Level 25.00 dBm Offset 6.50 dB	Mode Auto FFT			SGL Count 15/15
Spurious Emissions				oi Max
SPURIOUS_LINE_ABS_002	PASS			
20 dBm_tine _SPURIOUS_LINE_ABS_002	PASS			
.0 dBm				
, manun	www.www.www.			
) dBm				
10 dBm				
-20 dBm				
-30 dBm				
and a set of the set o				
40 dBm				
-50 dBm				
-60 dBm				
70 dBm				
F 849.0 MHz Result Summary	3003 pts	3.0 MHz/		Span 30.0 MHz
Range Low Range U	D RBW	Frequency	Power Abs	ΔLimit
834.000 MHz 849.000 MH	iz 100.000 kHz	842.83367 MHz	4.21 dBm	-25.79 dB -17.11 dB
849.000 MHz 850.000 MHz 864.000 MHz		849.05944 MHz 850.00699 MHz	-30.11 dBm -22.01 dBm	-17.11 dB -9.01 dB
			Ready	



LTE band 7 LOW BAND EDGE BLOCK-1RB-low_offset



HIGH BAND EDGE BLOCK-1RB-high_offset



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LOW BAND EDGE BLOCK-20MHz-100%RB

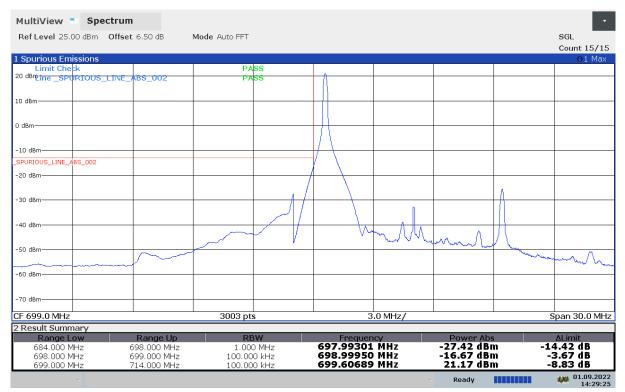
MultiView Spectrum		Mode Auto FFT							SGL
	L) .00 GD	noue nato in i							Count 15/15
1 Spurious Emissions									o1 Max
Limit Check		PA	SS						
^{20 dBm} Line _SPURIOUS_LINE_	ABS_002	PA	SS						
10 dBm									
					hard the man the local	on we have the manual	alabarton and the state of the	munimum under the step	
0 dBm									
-10 dBm									
-10 dBm									
-20 dBm SPURIOUS_LINE_ABS_002				17					
_SPORIOUS_LINE_ABS_002				1					
-30 dBm				1					Marchardorotanian mille
									a sur
-40 dBm	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~								
			مريها	1					
-50 dBm-									
-60 dBm									
-70 dBm									
CF 2.5 GHz		5005 pts	6		5	.0 MHz/			Span 50.0 MHz
2 Result Summary									
Range Low	Range Up	RB			Frequen		Power Ab		ΔLimit
2.475 GHz	2.494 GHz	1.000			2.49357		-35.02 dB		LO.O2 dB
2.494 GHz	2.496 GHz	1.000			2.49600 (2.49900 (-34.88 dB -32.55 dB		21.88 dB 22.55 dB
2.496 GHz 2.499 GHz	2.499 GHz 2.500 GHz	1.000			2.49900		-32.55 dB		22.55 ab 31.01 dB
2.499 GHZ 2.500 GHz	2.500 GHz	100.00			2.50790		8.59 dB		21.41 dB
2.000 GHZ	2,020 0112	100.00		-					01.09.2022
~							Ready		10:36:44

HIGH BAND EDGE BLOCK-20MHz-100%RB

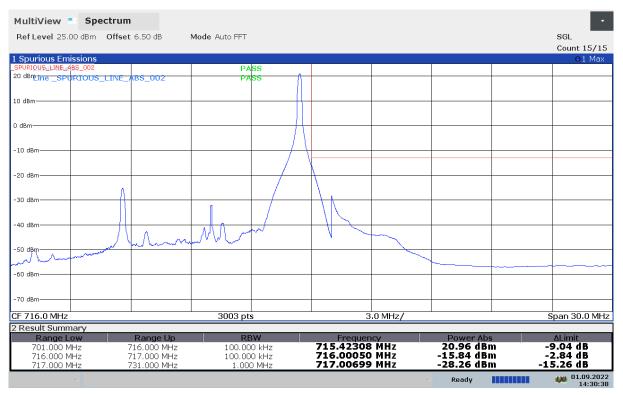
						_
MultiView Spect	trum					•
Ref Level 25.00 dBm C	Offset 7.00 dB Mode	e Auto FFT				SGL
						Count 15/15
1 Spurious Emissions SPURIOUS_LINE_ABS_002		PASS				o1 Max
20 dBmLine _SPURIOUS_L		PASS				
LINE_SPORTOUS_L	INC_805_002	FR33				
10 dBm						
1. Million Mar	We have here and a shall be and a state of the	and white the will be with				
0 dBm						
-10 dBm						
-20 dBm						
			A l			
-30 dBm			What have a second seco			
-30 asm-						
-40 dBm						
-40 UBM						
-50 dBm						
-60 dBm						
-70 dBm						
CF 2.57 GHz		5005 pts		5.0 MHz/		Span 50.0 MHz
2 Result Summary		·		· · · · ·		
Range Low	Range Up	RBW	Freque		Power Abs	ΔLimit
2.545 GHz	2.570 GHz	100.000 kHz	2.56697		9.63 dBm	-20.37 dB
2.570 GHz 2.571 GHz	2.571 GHz 2.575 GHz	100.000 kHz 1.000 MHz	2.57091 2.57100		-26.25 dBm -27.51 dBm	-16.25 dB -17.51 dB
2.575 GHz	2.575 GHz	1.000 MHz	2.57500		-30.82 dBm	-17.82 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57622		-31.97 dBm	-6.97 dB
7					Ready	01.09.2022
					Keuuy	10:38:2



LTE band 12 LOW BAND EDGE BLOCK-1RB-low_offset



HIGH BAND EDGE BLOCK-1RB-high_offset





LOW BAND EDGE BLOCK-10MHz-100%RB

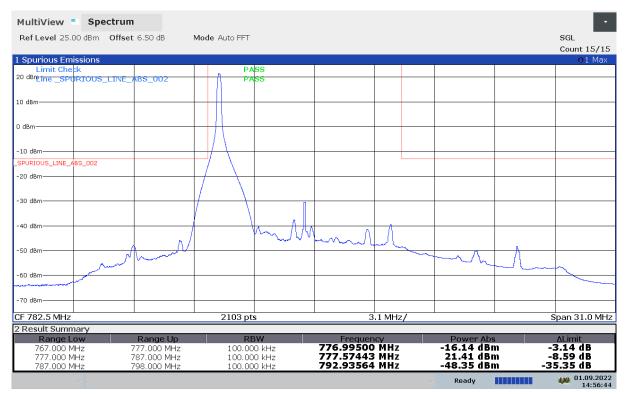
MultiView Spectrum Ref Level 25.00 dBm Offset		Mode Auto FFT						SGL Count 15/15
1 Spurious Emissions								o1 Max
Limit Check		PA	SS					U I Max
20 dBm_ine _SPURTOUS_LINE_	ABS UUZ	PA						
	_							
10 dBm								
10 0000								
				pomounoun	when have march march	manne	~~	
0 dBm								
-10 dBm								
SPURIOUS_LINE_ABS_002								
-20 dBm			_	1				
				/				
-30 dBm								
							manne	minimum
-40 dBm								
-40 uBIII								
-50 dBm	-							
-60 dBm								
-70 dBm								
CF 699.0 MHz		3003 pts	•	3	.0 MHz/		c	pan 30.0 MHz
2 Result Summary		5005 pt.			10 111127			
Range Low	Range Up	RB	14/	Frequen	A 4	Power Abs		∆Limit
	598.000 MHz	1.000		697.89510	MHZ	-23.64 dBr		0.64 dB
	599.000 MHz	100.00		698.99151		-29.72 dBr		5.72 dB
	714.000 MHz	100.00		702.34915		3.91 dBr		5.09 dB
					~	Ready		01.09.2022 14:29:55

HIGH BAND EDGE BLOCK-10MHz-100%RB

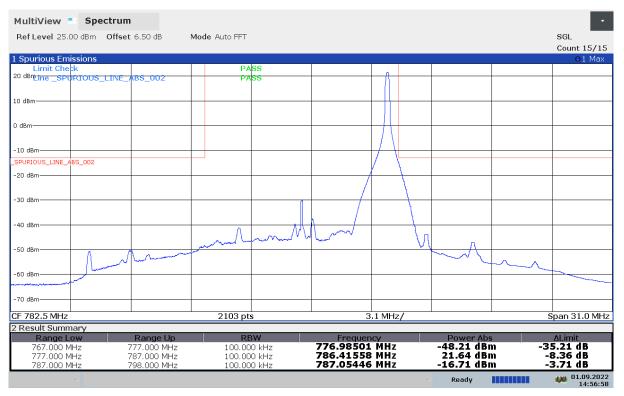
MultiView Spectrum Ref Level 25.00 dBm Offset 6	6.50 dB Mode Auto FF	т				SGL Count 15/1
l Spurious Emissions						oi Max
SPURIOUS_LINE_ABS_002		PASS				
20 dBm_ine_SPURIOUS_LINE_A	BS_002	PASS				
10 dBm						
	مى يەر بىرى بىرى بىرى بىرى بىرى بىرى بىرى بى	mannen				
0 dBm						
-10 dBm						
-20 dBm						
-20 dBm				/		
-30 dBm		\ \	man			
and a second and a second						
-40 dBm					\rightarrow	
-50 dBm						
co. In						
-60 dBm						
-70 dBm						
				<u></u>		
2 Result Summary	3003	pts	3	.0 MHz/		Span 30.0 MH
	Range Up	RBW	Frequen	су	Power Abs	
		000 kHz	713.46004 716.00050		3.94 dBr -27.89 dBr	
		000 kHz)00 MHz	717.00699		-27.89 dBi	
~				~	Ready	01.09.202 14:31:0



LTE band 13 LOW BAND EDGE BLOCK-1RB-low_offset



HIGH BAND EDGE BLOCK-1RB-high_offset



EDGE BLOCK-10MHz-100%RB

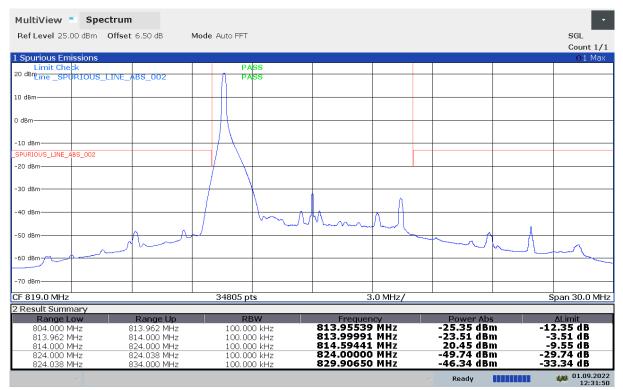
No. I22N01585-RF-LTE



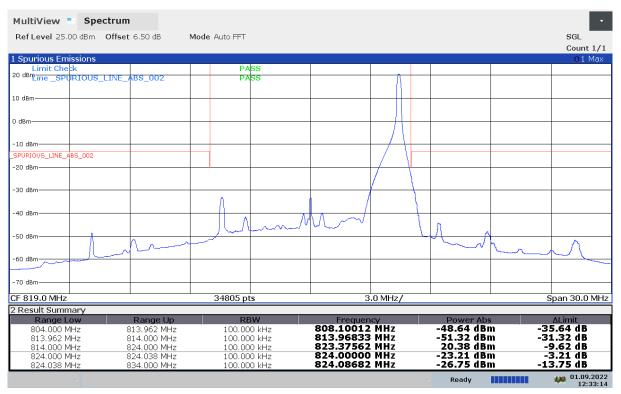
MultiView Spectrum Ref Level 25.00 dBm Offset		Mode Auto FFT							SGL Count 15/15
1 Spurious Emissions									o1 Max
Limit Check		PAS	S						
20 dBmLine _SPURIOUS_LINE_	ABS_UU2	PAS	5						
10 dBm									
			warman warman warman warman warman wa mana wa m	and the second design a	my				
0 dBm									
-10 dBm									
_SPURIOUS_LINE_ABS_002									
-20 dBm									
-30 dBm					\				
and the second second	man	***							
-40 dBm									
-50 dBm									
-60 dBm									
-70 dBm									
CF 782.5 MHz	11	2103 pts		3	.1 MHz	2/			Span 31.0 MHz
2 Result Summary									
777.000 MHz	Range Up 777.000 MHz 787.000 MHz	RB\ 100.000 100.000	kHz kHz	Frequen 776.99500 779.79221	MHz MHz		Power Abs -28.11 dBi 4.59 dBi	n – n –	ALimit 15.11 dB 25.41 dB
787.000 MHz	798.000 MHz	100.000	kHz	787.05446	MHZ	~	-28.64 dBı _{Ready}	<u>n -</u>	15.64 dB 01.09.2022 14:56:20



LTE band 26(814MHz-824MHz) LOW BAND EDGE BLOCK-1RB-low_offset



HIGH BAND EDGE BLOCK-1RB-high_offset



BAND EDGE BLOCK-10MHz-100%RB

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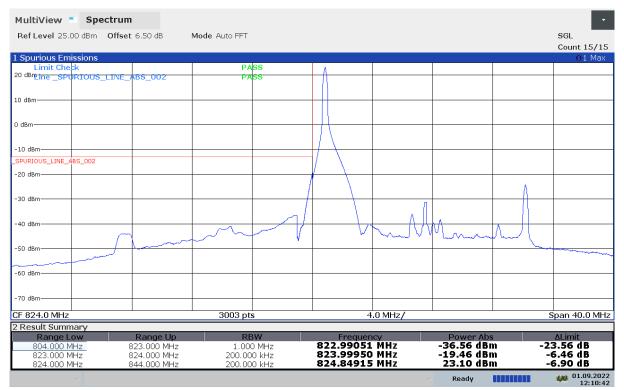
No. I22N01585-RF-LTE



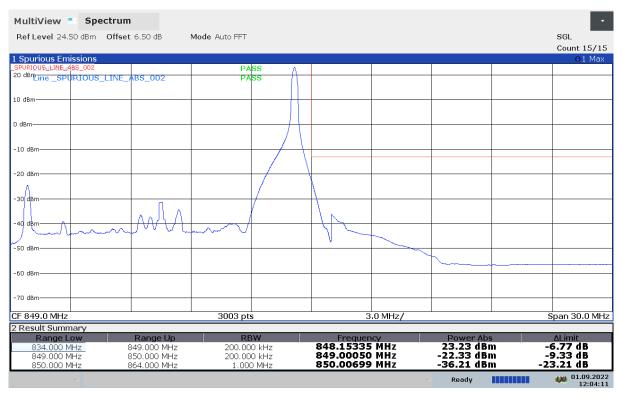
MultiView Spect Ref Level 25.00 dBm O		Mode Auto FFT			SGL Count 1/1
1 Spurious Emissions					o1 Max
Limit Check		PASS			
20 dBm_ine _SPURIOUS_LI	NE_ABS_002	PASS			
10 dBm					
0 dBm					
-10 dBm					
SPURIOUS LINE ABS 002					
-20 dBm					
-30 dBm					
36 ubm					
-40 dBm					
-50 dBm					
-60 dBm					
-70 dBm					
CF 819.0 MHz		34805 pts	3.0 MHz/		Span 30.0 MHz
2 Result Summary	Range Up	RBW	Enormonal	Power Abs	ΔLimit
Range Low 804.000 MHz	813.962 MHz	100.000 kHz	Frequency 813.95539 MHz	-36.05 dBm	-23.05 dB
813.962 MHz	814.000 MHz	100.000 kHz	813.99991 MHz	-35.42 dBm	-15.42 dB
814.000 MHz	824.000 MHz	100.000 kHz	821.99700 MHz	3.08 dBm	-26.92 dB
824.000 MHz	824.038 MHz	100.000 kHz	824.00000 MHz	-33.46 dBm	-13.46 dB
824.038 MHz	834.000 MHz	100.000 kHz	824.08682 MHz	-33.94 dBm	-20.94 dB
~				- Ready	01.09.2022 01:09.2022 12:32:45



LTE band 26(824MHz-849MHz) LOW BAND EDGE BLOCK-1RB-low_offset



HIGH BAND EDGE BLOCK-1RB-high_offset





LOW BAND EDGE BLOCK-15MHz-100%RB

MultiView Spectru							-
Ref Level 25.00 dBm Offs	et 6.50 dB	Mode Auto FFT					SGL
							Count 15/15
1 Spurious Emissions			Ý T		l.	Γ	o1 Max
Limit Check		PASS					
20 dBmLine _SPURTOUS_LINE	_ABS_002	PASS					
10 dBm							
			manne	-			
0 dBm							
-10 dBm							
_SPURIOUS_LINE_ABS_002							
-20 dBm							
-30 dBm			~				mon
-40 dBm							
-50_dBm							
F I							
-60 dBm							
-70 dBm							
-70 UBm							
CF 824.0 MHz		3003 pts	4.	0 MHz/		S	pan 40.0 MHz
2 Result Summary		<u>.</u>		•			
Range Low	Range Up	RBW	Frequence	zv .	Power Abs		ΔLimit
804.000 MHz	823.000 MHz	1.000 MHz	822.99051	MHZ	-23.44 dBn	n -1(D.44 dB
823.000 MHz	824.000 MHz	200.000 kHz	823.53397		-29.68 dBr		5.68 dB
824.000 MHz	844.000 MHz	200.000 kHz	825.22877	MHZ	5.22 dBr	n -24	4.78 dB
7				~	Ready		01.09.2022 12:10:09

HIGH BAND EDGE BLOCK-15MHz-100%RB

MultiView Spectru Ref Level 24.50 dBm Offi		de Auto FFT				SGL Count 15/15
1 Spurious Emissions						○ 1 Max
_SPURIOUS_LINE_ABS_002		PASS				
20 dBm	E_ABS_002	PASS				
10 dBm						
	- marine and a second s					
0 dBm			1			
-10 dBm						
-20 dBm						
-30 dBm				<u> </u>		
-40 dBm				\rightarrow		
				λ		
-50 dBm						
-60 dBm						
-70 dBm						
		2002				0
CF 849.0 MHz 2 Result Summary		3003 pts	4,1	0 MHz/		Span 40.0 MHz
Range Low	Range Up	RBW	Frequence	v	Power Abs	∆Limit
829.000 MHz	849.000 MHz	200.000 kHz	837.52148	MHz	5.04 dBm	-24.96 dB
849.000 MHz 850.000 MHz	850.000 MHz 869.000 MHz	200.000 kHz 1.000 MHz	849.51299 850.00949		-29.73 dBm -23.45 dBm	-16.73 dB -10.45 dB
	009.000 MHZ	1.000 MHZ	030.00949	F1112		
					Ready Ready	12:05:42



LTE band 38 LOW BAND EDGE BLOCK-1RB-low_offset



HIGH BAND EDGE BLOCK-1RB-high_offset





LOW BAND EDGE BLOCK-20MHz-100%RB

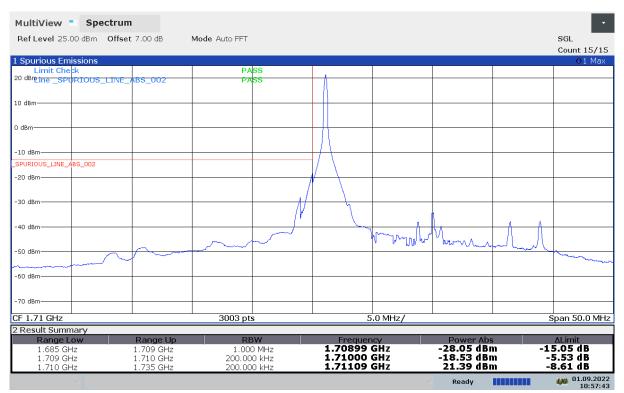
MultiView Spect							•
Ref Level 25.00 dBm Of	ffset 7.00 dB	Mode Auto FFT					SGL
1 Spurious Emissions							Count 15/15 O 1 Max
Limit Check		PASS					O I Max
20 dBmLine _SPURIOUS_LI	NE ABS 002	PASS					
10 dBm							
			dare the day was	and the second second		and a state lie	
0 dBm			motions should misself	mounduration	b block block of the property of the ball	WANGER WALL WING	
-10 dBm							
10 0011							
-20 dBm SPURIOUS_LINE_ABS_002							
							1.11
-30 dBm						~~~~	with when the date of the second states of the seco
-40 dBm	~~	-					
-50 dBm							
Co. dow							
-60 dBm							
-70 dBm							
CF 2.57 GHz		5005 pts		5.0 MHz/		Si	oan 50.0 MHz
2 Result Summary		0000 pt3		010111127			
Range Low	Range Up	RBW	Freque	ncy	Power Abs		∆Limit
2.545 GHz	2.564 GHz	1.000 MHz	2.56399		-33.65 dBi		.65 dB
2.564 GHz	2.565 GHz	1.000 MHz	2.56500		-31.95 dBr		.95 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56796		-22.89 dBı		.89 dB
2.569 GHz	2.570 GHz	50.000 kHz	2.56993		-27.69 dBi		.69 dB
2.570 GHz	2.595 GHz	50.000 kHz	2.57221	GHZ	5.40 dBı		.60 dB
~					Ready		01.09.2022 11:02:31

HIGH BAND EDGE BLOCK-20MHz-100%RB

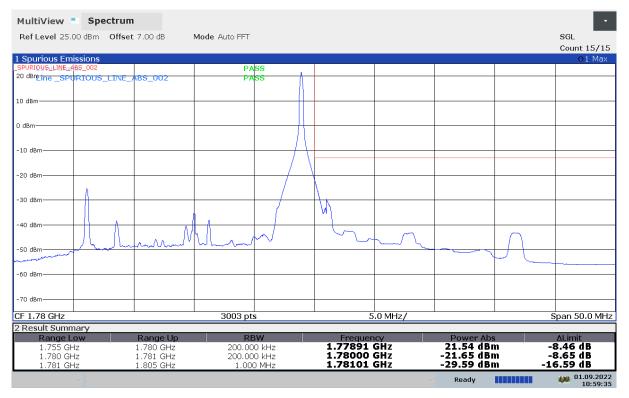
					_
	ctrum				*
Ref Level 25.00 dBm	Offset 7.00 dB N	Node Auto FFT			SGL Count 15/15
1 Spurious Emissions					•1 Max
SPURIOUS_LINE_ABS_002		PASS			
20 dBm_ine _SPURIOUS_	LINE_ABS_002	PASS			
LO dBm					
pulled from	newsking Andrew payour from	wandwardeddillalathalanaathalathala			
) dBm					
-10 dBm					
20 dBm					
30 dBm					
30 dBm					
40 dBm					
-50 dBm					
SU dBm					
60 dBm					
-70 dBm					
F 2.62 GHz		5005 pts	5.0 MHz/		Span 50.0 MH
Result Summary			_		
Range Low 2.595 GHz	Range Up 2.620 GHz	RBW 50,000 kHz	Erequency 2.60633 GHz	Power Abs 6.14 dBm	∆Limit -23.86 dB
2.595 GHz 2.620 GHz	2.621 GHz	50.000 kHz	2.62022 GHz	-28.46 dBm	-18.46 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62183 GHz	-30.53 dBm	-20.53 dB
2.625 GHz	2.626 GHz	1.000 MHz	2.62500 GHz	-32.87 dBm	-19.87 dB
2.626 GHz	2.645 GHz	1.000 MHz	2.62631 GHz	-32.27 dBm	-7.27 dB
				🔻 Ready	₩ 01.09.2022 11:04:00



LTE band 66 LOW BAND EDGE BLOCK-1RB-low_offset



HIGH BAND EDGE BLOCK-1RB-high_offset



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LOW BAND EDGE BLOCK-20MHz-100%RB

MultiView = Spectrum	ı						•
Ref Level 25.00 dBm Offset	t 7.00 dB	Mode Auto FFT					SGL
							Count 15/15
1 Spurious Emissions		D 100					o1 Max
Limit Check 20 dBm_ine_SPURTOUS_LINE_		PASS PASS					
SPORIOUS_LINE_	AB5_002	PA55					
10 dBm							
0 dBm			and a second				
-10 dBm							
_SPURIOUS_LINE_ABS_002							
-20 dBm							
-30 dBm			Line				Summer a
-40 dBm							
-50 dBm							
-50 08/1							
-60 dBm							
-70 dBm							
-70 080							
CF 1.71 GHz		3003 pts		5.0 MHz/		S	pan 50.0 MHz
2 Result Summary							
Range Low	Range Up	RBW	Frequer	nev	Power Abs		ΔLimit
1.685 GHz	1.709 GHz	1.000 MHz	1.70894	GHz	-23.85 dBr	n -10).85 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70999		-29.48 dBr		5.48 dB
1.710 GHz	1.735 GHz	200.000 kHz	1.72732	GHz	2.07 dBr	n -27	7.93 dB
~				~	Ready		01.09.2022 10:57:13

HIGH BAND EDGE BLOCK-20MHz-100%RB

MultiView Spectrum Ref Level 25.00 dBm Offset 7.00	O dB Mode Auto FFT					SGL Coun	•t 15/15
1 Spurious Emissions							o1 Max
SPURIOUS_LINE_ABS_002		SS					
20 dBmLine _SPURIOUS_LINE_ABS_	_002 PA	ss					
10 dBm							
0 dBm							
-10 dBm							
-20 dBm							
-30 dBm							
			~				
-40 dBm							
-50 dBm							
-60 dBm							
oo usiii							
-70 dBm							
CF 1.78 GHz	3003 pt	s	5	.0 MHz/		Span 5	0.0 MHz
2 Result Summary							
		3W	Frequen 1.77062		Power Abs 2.16 dBn		
	30 GHz 200.00 31 GHz 200.00		1.78000		-32.27 dBn		
) MHz	1.78315		-26.50 dBn		
					Ready	4)0	1.09.2022

Note: Expanded measurement uncertainty is U = 0.49dB(100KHz-2GHz)/1.21dB(2GHz-26.5GHz), k = 1.96

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A.7 CONDUCTED SPURIOUS EMISSION

Reference

FCC: CFR Part 2.1051, 22.917, 24.238, 27.53, 90.691.

A.7.1 Measurement Method

The following steps outline the procedure used to measure the conducted emissions from the EUT.

- Determine frequency range for measurements: From CFR 2.1051 the spectrum should be investigated from the lowest radio frequency generated in the equipment up to at least the 10th harmonic of the carrier frequency. For the mobile station equipment tested, this equates to a frequency range of 13 MHz to 9 GHz, data taken from 10 MHz to 25 GHz.
- 2. Determine EUT transmit frequencies: below outlines the band edge frequencies pertinent to conducted emissions testing.
- 3. The number of sweep points of spectrum analyzer is set to 30001 which is greater than span/RBW.

A. 7.2 Measurement Limit

Part 22.917, Part 24.238 and Part 27.53(h) specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P) dB$.

The specification that emissions shall be attenuated below the transmitter power (P) by at least 43 + 10 log (P) dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

Part 27.53(m)(4) specifies for mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Part 27.53(a) states for mobile and portable stations operating in the 2305–2315 MHz and 2350–2360 MHz bands: By a factor of not less than: 43 +10 log (P) dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than 55 + 10 log (P) dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than 61 + 10 log (P) dB on all frequencies between 2327 and



2341 MHz, and not less than $67 + 10 \log (P) dB$ onall frequencies between 2328 and 2337MHz; By a factor of not less than $43 + 10 \log (P) dB$ on all frequencies between 2300 and 2305 MHz, 55 + 10 log (P) dB on all frequencies between 2296 and 2300MHz, $61 + 10 \log (P) dB$ on all frequencies between 2292 and 2296 MHz, $67 + 10 \log (P) dB$ on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log (P) dB$ below 2288 MHz; By a factor of not less than $43 + 10 \log (P) dB$ on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log (P) dB$ above 2365 MHz.

Part 90.691 states that out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 Log10(f/6.1) decibels or 50 + 10 Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz. For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) decibels or 80 decibels, whichever is the lesser attenuation, where f is greater than 12.5 kHz. For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + 10Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.



A. 7.3 Measurement result

Only worst case result is given below

A. 7.3 Measurement result

Only worst case result is given below

LTE band 2 : 30MHz – 19.1GHz

Spurious emission limit –13dBm.

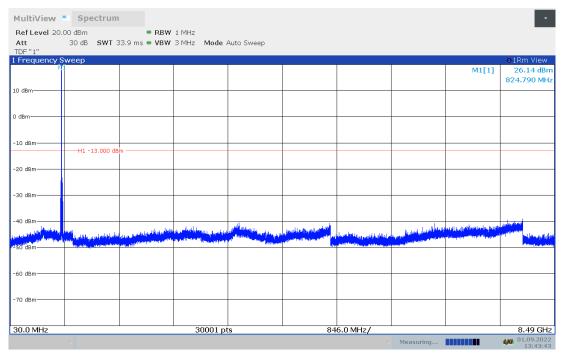
MultiView	Spectrum	l .							•
Ref Level 20.		● RBW							
Att TDF "1"	30 dB SWT :	76.3 ms 🖷 VBW	3 MHz Mode /	Auto Sweep					
1 Frequency S	weep								●1Rm View
N	1							M1[1]	23.62 dBm
									1.880050 GHz
10 dBm									
0 dBm									
-10 dBm									
	H1 -13.000 dB	m —							
-20 dBm									
-30 dBm									
-40 dBm									
-40 UBM			and the second se					he had	hannada nasharibiti
and the first subject	a shalled be built	خادية فاعيره المحاج المحاج المحاج المحاج المحاج	A DESCRIPTION OF THE OWNER OF THE	and the public supplicity of the	مسأفطار ليتقبص واصافيهم	واستعقبان ورواحير ومحتفظ والقط تعقينا	فالالقاسين بماسين والم		The second s
-50 dBm-		and the second s	and the second s	That introduces a first sector	ing particular and particular second seco	and all the state of the second states	and the second		
-60 dBm									
-70 dBm									
30.0 MHz			30001 pt		1	.91 GHz/			19.1 GHz
30.0 MH2			30001 pi	.5	1.		No		
							Measuring		26.07.2022 14:05:37



LTE Band 5: 30MHz - 8.49GHz

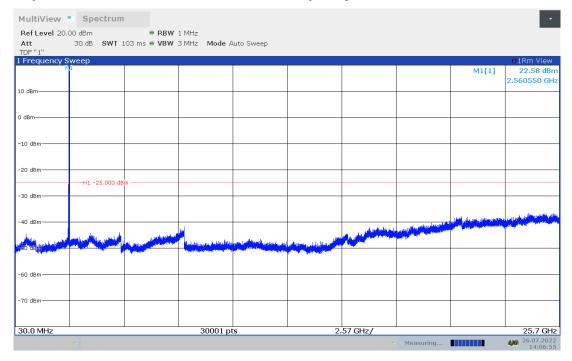
Spurious emission limit –13dBm.

NOTE: peak above the limit line is the carrier frequency.



LTE band 7 20MHz QPSK: 30MHz – 25.7GHz

Spurious emission limit -25dBm.

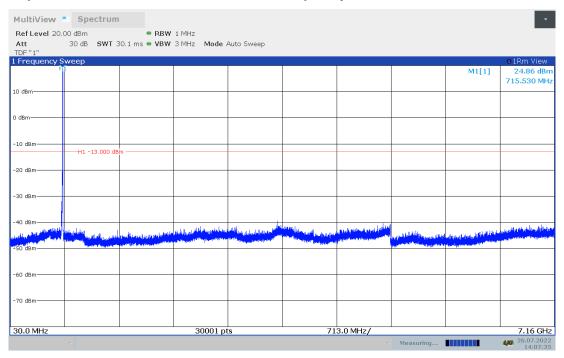




LTE band 12: 30MHz – 7.16GHz

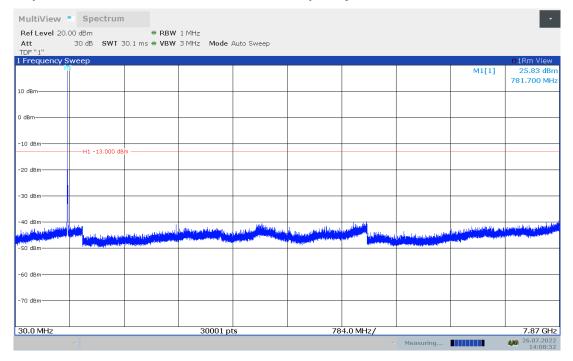
Spurious emission limit -13dBm.

NOTE: peak above the limit line is the carrier frequency.



LTE band 13: 30MHz – 7.87GHz

Spurious emission limit –13dBm.

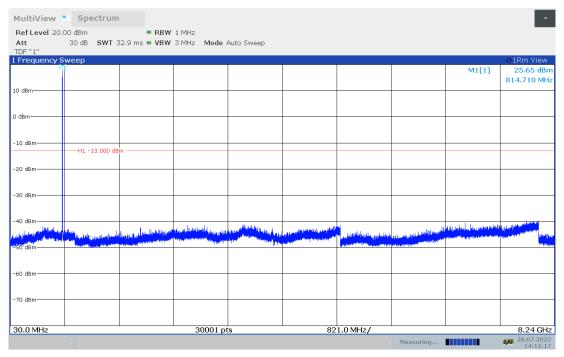




LTE band 26(814MHz-824MHz): 30MHz – 8.24GHz

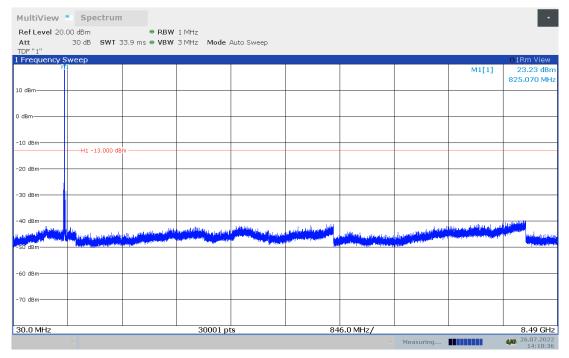
Spurious emission limit –13dBm.

NOTE: peak above the limit line is the carrier frequency.



LTE band 26(824MHz-849MHz): 30MHz - 8.49GHz

Spurious emission limit -13dBm.

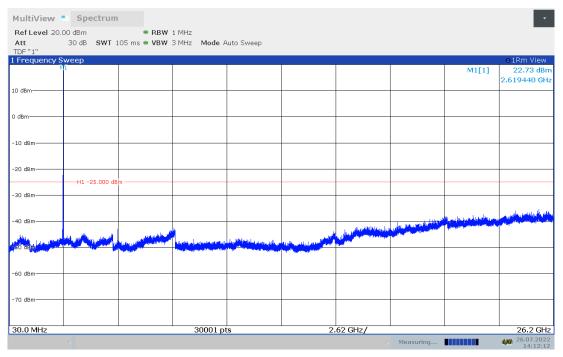




LTE band 38: 30MHz - 26.2GHz

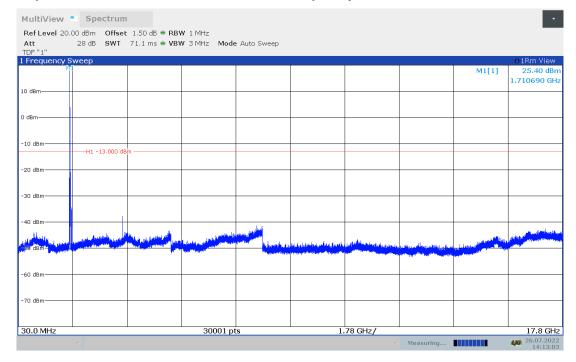
Spurious emission limit -25dBm.

NOTE: peak above the limit line is the carrier frequency.



LTE band 66: 30MHz – 17.8GHz

Spurious emission limit –13dBm.





A.8 PEAK-TO-AVERAGE POWER RATIO

Reference

FCC: CFR Part 24.232, 27.50(d), KDB971168 D01(5.7).

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure. The measurement must be performed using a signal corresponding to the highest PAPR expected during periods of continuous transmission.

a)Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;

b) Set resolution/measurement bandwidth \geq signal' s occupied bandwidth;

c) Set the number of counts to a value that stabilizes the measured CCDF curve;

d) Set the measurement interval to 1 ms

e)Record the maximum PAPR level associated with a probability of 0.1%

A.8.1 Measurement limit

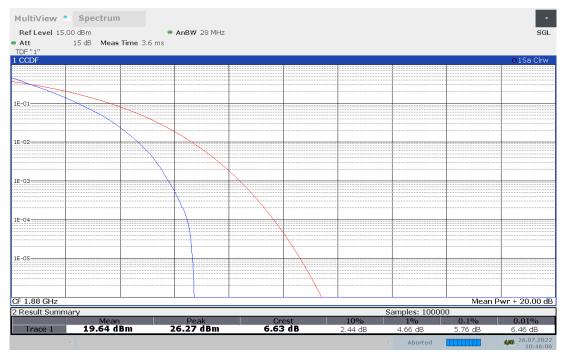
not exceed 13 dB

- A.8.2 Measurement results
- Only worst case result is given below

LTE band 2

Eroquopov(MHz)	Bandwidth(MHz)	PAPR(dB)	
Frequency(MHz)	Danuwiutii(ivinz)	QPSK	16QAM
1880.0	20	5.76	6.54

LTE band 2, 20MHz Bandwidth, QPSK (PAPR)







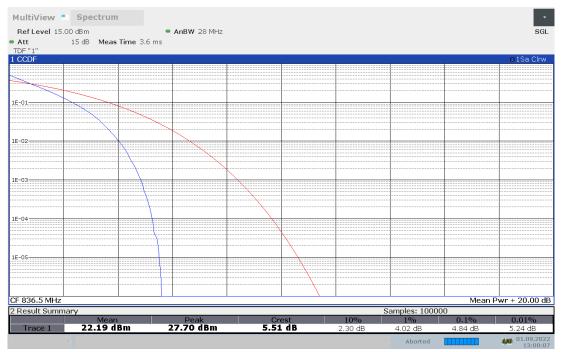
LTE band 2, 20MHz Bandwidth, 16QAM (PAPR)



LTE Band 5

Fraguanay (MHz)	Bandwidth(MHz)	PAPR(dB)	
Frequency(MHz)	Danuwiutii(ivinz)	QPSK	16QAM
836.5	10	4.84	5.62

LTE Band 5, 15MHz Bandwidth, QPSK (PAPR)



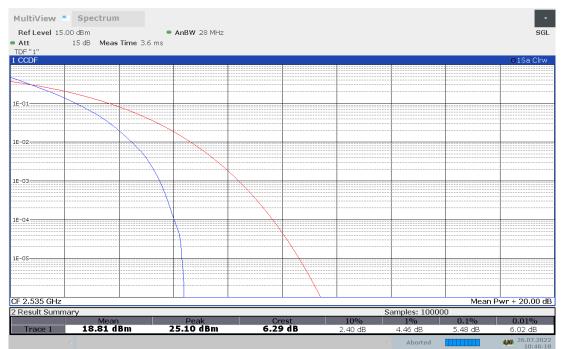




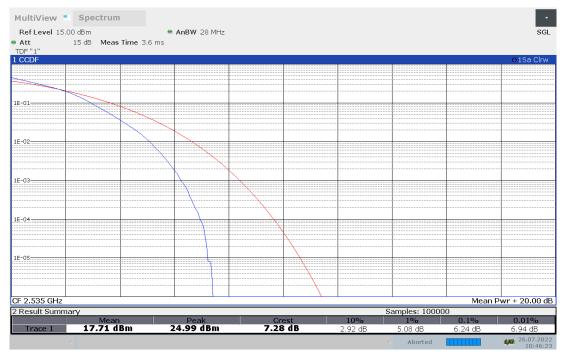


	Bandwidth(MHz)	PAPR(dB)	
Frequency(MHz)	Danuwiutii(ivinz)	QPSK	16QAM
2535.0	20	5.48	6.24

LTE band 7, 20MHz Bandwidth, QPSK (PAPR)



LTE band 7, 20MHz Bandwidth, 16QAM (PAPR)



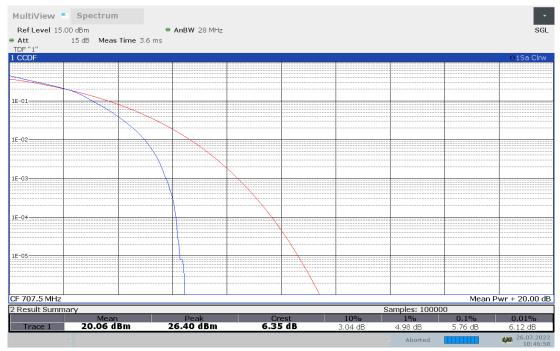


	Bandwidth(MHz)	PAPR(dB)	
Frequency(MHz)	Danuwiutii(ivinz)	QPSK	16QAM
707.5	10	4.96	5.76

LTE band 12, 10MHz Bandwidth, QPSK (PAPR)



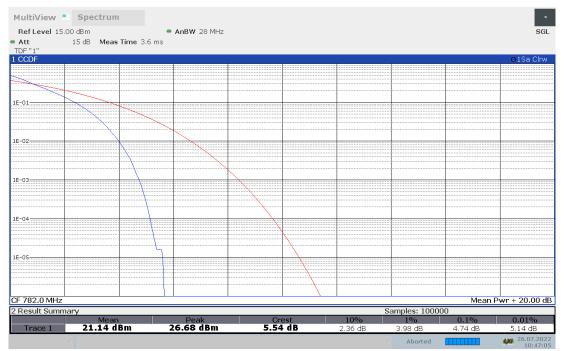






	Bandwidth(MHz)	PAPR(dB)	
Frequency(MHz)	Danuwiutii(ivinz)	QPSK	16QAM
782.0	10	4.74	5.56

LTE band 13, 10MHz Bandwidth, QPSK (PAPR)





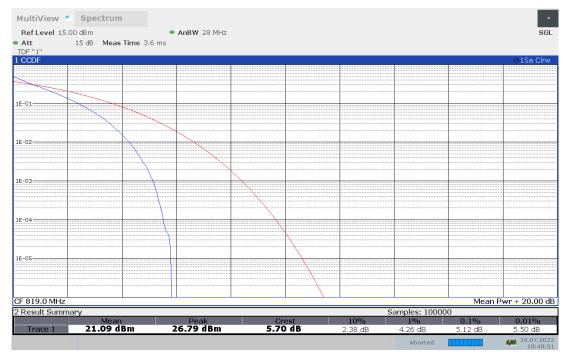




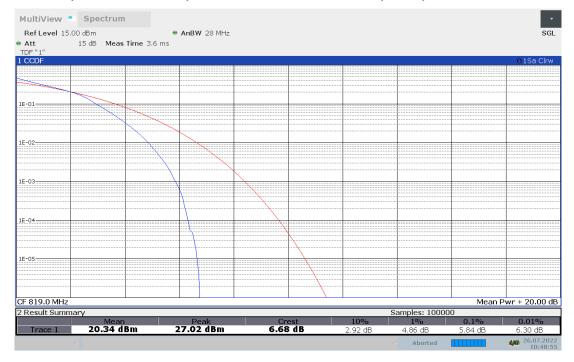
LTE band 26(814MHz -824MHz)

	Bandwidth(MHz)	PAPR(dB)	
Frequency(MHz)		QPSK	16QAM
819.0	10	5.12	5.84

LTE band 26(814MHz -824MHz), 10MHz Bandwidth, QPSK (PAPR)



LTE band 26(814MHz -824MHz), 10MHz Bandwidth, 16QAM (PAPR)

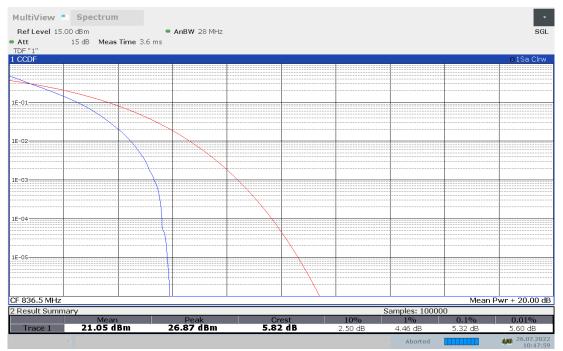




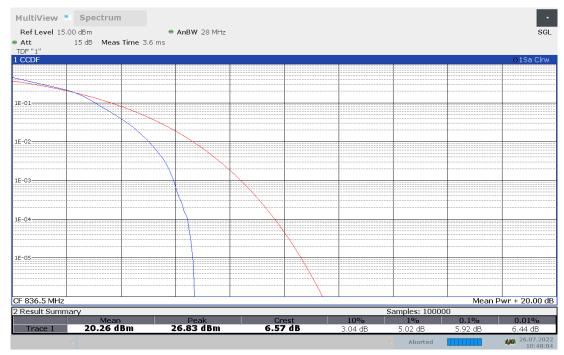
LTE band 26(824MHz -849MHz)

	Bandwidth(MHz)	PAPR(dB)	
Frequency(MHz)	Danuwiutii(ivinz)	idth(MHz) QPSK	16QAM
836.5	10	5.32	5.92

LTE band 26(824MHz -849MHz), 15MHz Bandwidth, QPSK (PAPR)



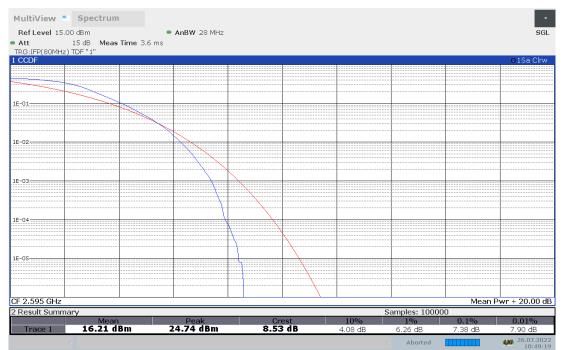
LTE band 26(824MHz -849MHz), 15MHz Bandwidth, 16QAM (PAPR)



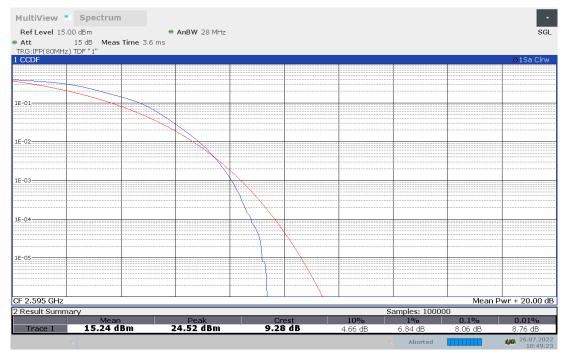


	Bandwidth(MHz)	PAPR(dB)	
Frequency(MHz)	Banuwiutii(ivinz)	QPSK	16QAM
2595.0	20	7.38	8.06

LTE band 38, 20MHz Bandwidth, QPSK (PAPR)



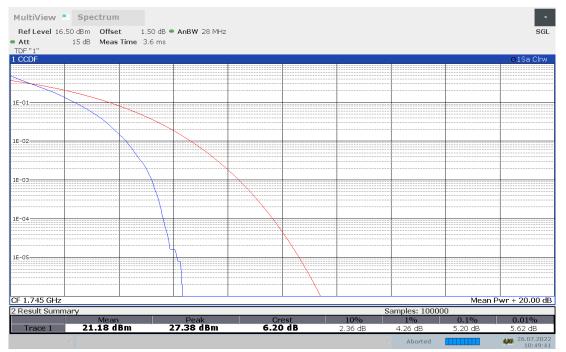
LTE band 38, 20MHz Bandwidth, 16QAM (PAPR)



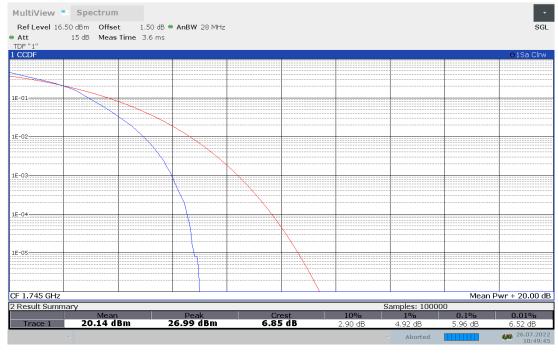


	Bandwidth(MHz)	PAPR(dB)	
Frequency(MHz)	Danuwiutii(ivinz)	QPSK	16QAM
1745.0	20	5.20	5.96

LTE band 66, 20MHz Bandwidth, QPSK (PAPR)



LTE band 66, 20MHz Bandwidth, 16QAM (PAPR)



END OF REPORT