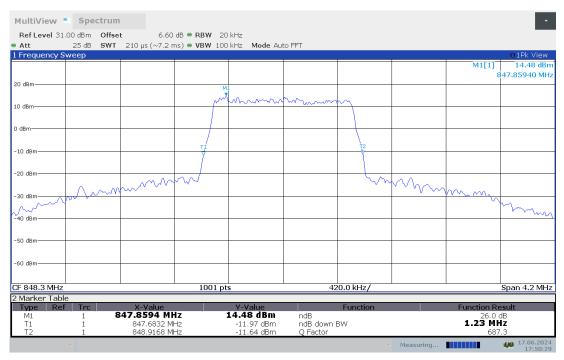


MultiView	- Spectru	m							•
	.00 dBm Off		dB 🖷 RBW 20						_
Att 1 Frequency S		T 210 μs (~7.2 n	ns) 🖶 VBW 100	) kHz Mode Au	to FFT				●1Pk View
1 Hoquonoy e				-				M1[1]	14.97 dBm
									847.88880 MHz
20 dBm				M1					
10 dBm			^~	mm	man	$\sim$			
0 dBm						<u> </u>			
			т.			T2			
-10 dBm						7			
-20 dBm						-			
-30 dBm		~~~~	www.			~~~	m		
-30 dBm	mer w							m	m
-40 dBm									m
-50 dBm									
-60 dBm									
CE 0.40 0 MU			1001		40				Caracia di Di Milla
CF 848.3 MHz 2 Marker Tab			1001 pt	S	42	0.0 kHz/			Span 4.2 MHz
Type Re		X-Value		Y-Value		Function		Function R	
M1 T1	1	847.8888 MH 847.6832 MH		14.97 dBm -11.36 dBm	ndB ndB down f	314/		26.0 1.23 M	dB H 7
T2	1	848.9126 M		-10.46 dBm	Q Factor				9.7
	v					~	Measuring		17.06.2024 17:50:15

#### LTE band 5 , 1.4MHz Bandwidth,HIGH,16QAM (-26dBc BW)

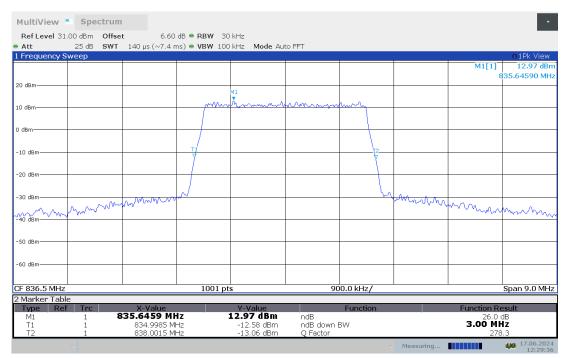




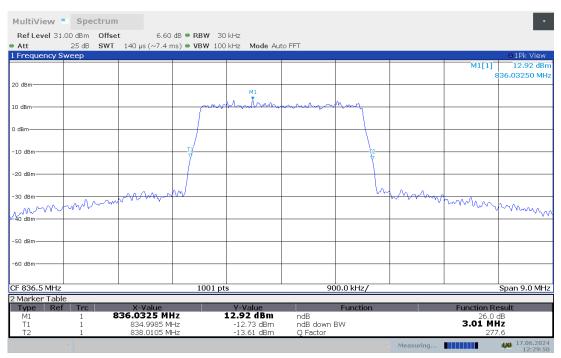
#### LTE band 5,3MHz(-26dBc BW)

Frequency/(MHz)	Emission Bandwi	dth (-26dBc BW)(MHz)	
Frequency(MHz)	QPSK	16QAM	
836.5	3.003	3.012	
825.5	3.003	2.994	
847.5	2.994	2.994	

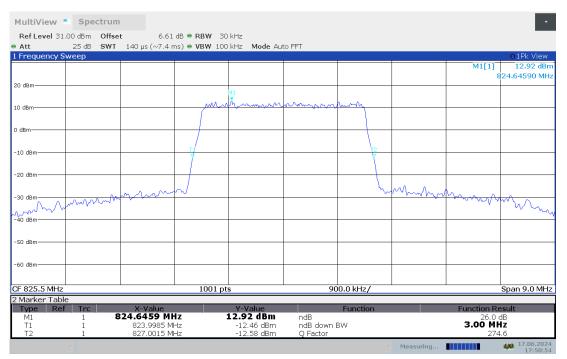
## LTE band 5, 3MHz Bandwidth, MID, QPSK (-26dBc BW)



# LTE band 5, 3MHz Bandwidth, MID, 16QAM (-26dBc BW)

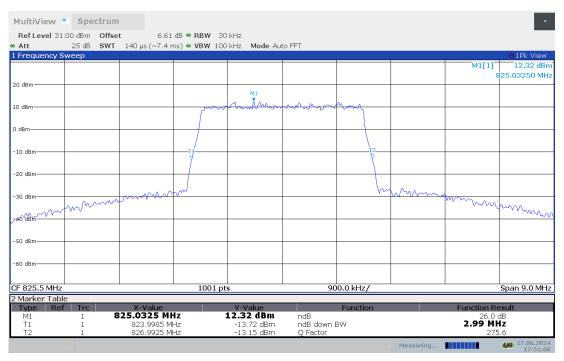






### LTE band 5, 3MHz Bandwidth,LOW,QPSK (-26dBc BW)

### LTE band 5, 3MHz Bandwidth,LOW,16QAM (-26dBc BW)

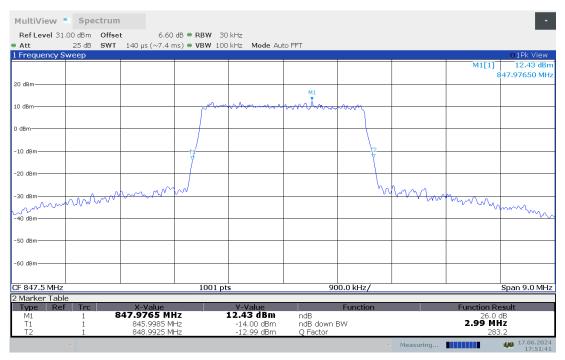


#### LTE band 5, 3MHz Bandwidth, HIGH, QPSK (-26dBc BW)



MultiView	Spectrur	n							
	.00 dBm Offs		db • RBW 30						
Att Frequency S		140 µs (~7.4 m	s) <b>= VBW</b> 100	kHz Mode Au	to FF1				●1Pk View
								M1[1]	13.58 dBm
20 dBm									848.30020 MHz
					м1 Х				
10 dBm		+	m	mmm	mon	many			
0 dBm									
-10 dBm						T2			
-20 dBm									
-30 dBm		mann	m			L.	man		
many	mon	mm					4 Wa .	mon	mm
40 dBm									
F. 10									
-50 dBm									
-60 dBm									
CF 847.5 MHz			1001 pt	5	90	0.0 kHz/	1		Span 9.0 MHz
Marker Tab		X-Value		Y-Value		Function	_	Function R	esult
M1		848.3002 MH		L3.58 dBm	ndB			26.0 2.99 M	dB
T1 T2	1	846.0075 MH 849.0015 MH		-12.04 dBm -12.48 dBm	ndB down E Q Factor	5VV		<b>2.99 M</b> 28	
	v					~	Measuring		17.06.2024 17:51:27

#### LTE band 5, 3MHz Bandwidth, HIGH, 16QAM (-26dBc BW)

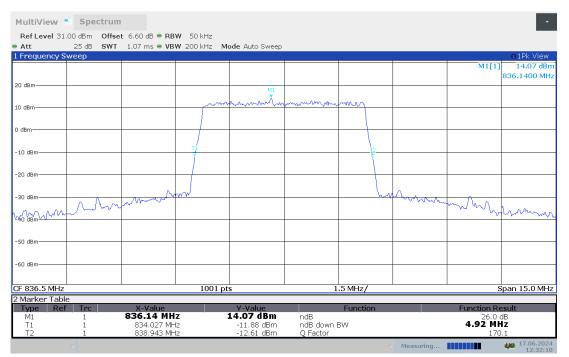




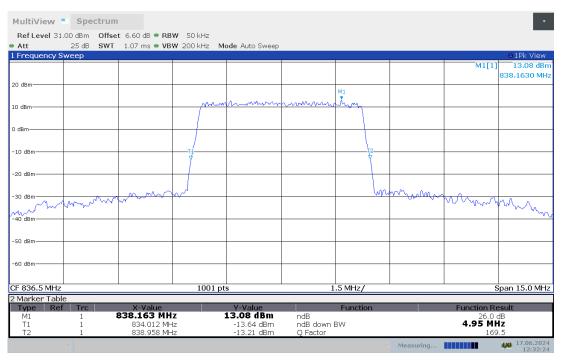
#### LTE band 5,5MHz(-26dBc BW)

	Emission Bandwi	dth (-26dBc BW)(MHz)
Frequency(MHz)	QPSK	16QAM
836.5	4.915	4.945
826.5	4.915	4.870
846.5	4.915	4.930

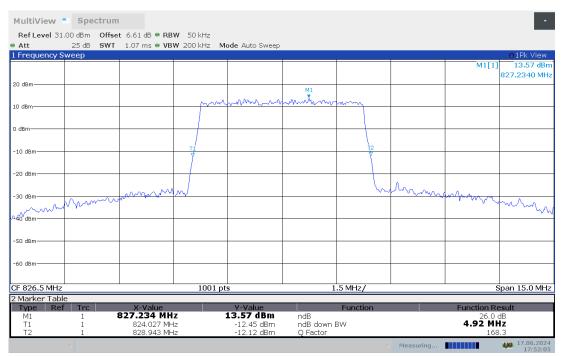
## LTE band 5 , 5MHz Bandwidth, MID, QPSK (-26dBc BW)



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

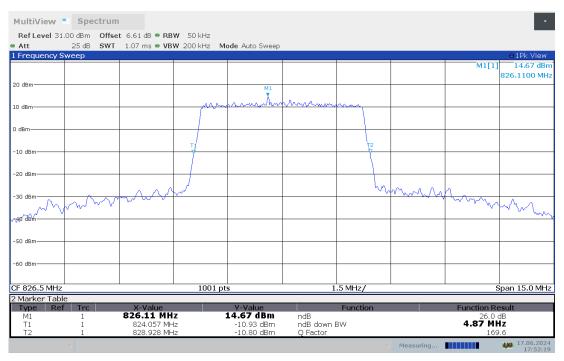






# LTE band 5 , 5MHz Bandwidth,LOW,QPSK (-26dBc BW)

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

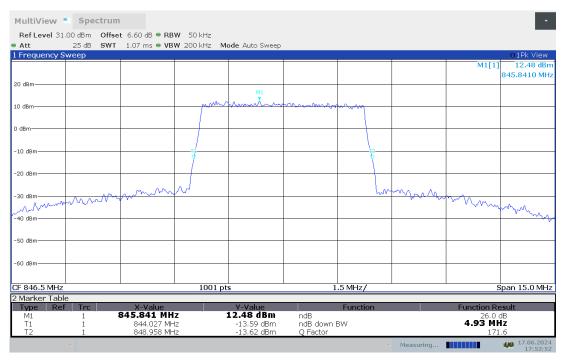


#### LTE band 5 , 5MHz Bandwidth, HIGH, QPSK (-26dBc BW)



MultiView	• Spectru	m							-
		et 6.60 dB 🖷 RBW							
Att		T 1.07 ms 🗢 VBW	200 kHz Mo	ode Auto Sweep					
l Frequency	sweep						1	M1[1]	01Pk View 13.24 dBm
								(WILL)	845.7210 MHz
20 dBm									01002101012
				M1					
10 dBm			non	man	www.www	my			
D dBm									
-10 dBm			<u></u>			<u>†2</u>			
-20 dBm									
		how	$\mathcal{V}$			4	Man		mm
-30 dBm	www.V						• • • · · · · · · · · · · · · · · · · ·	mon	
Mar								- °VL	monn
-40 dBm									-,
-50 dBm									
-60 dBm									
CF 846.5 MH:			1001 pt	8	1.	.5 MHz/		:	Span 15.0 MHz
2 Marker Tab Type Re		X-Value		Y-Value		Function		Function R	
Type Re M1	1	845.721 MHz		L3.24 dBm	ndB	Function		26.0	
T1	1	844.027 MHz		-12.50 dBm	ndB down E	3W		4.92 MI	Hz
T2	1	848.943 MHz		-12.25 dBm	Q Factor			172	
							Measuring		40 17.06.2024 17:52:38

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

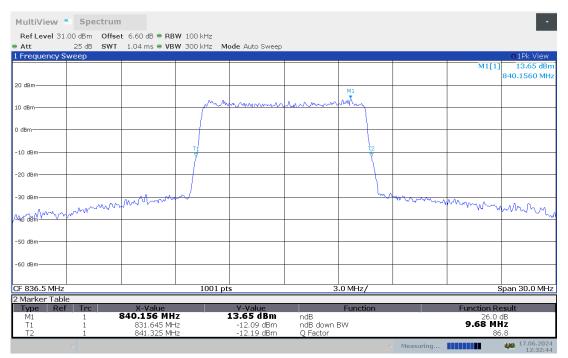




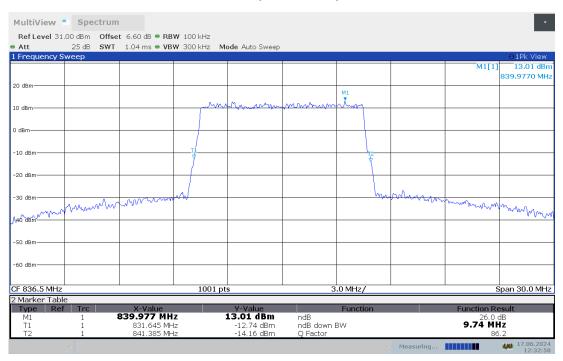
#### LTE band 5,10MHz(-26dBc BW)

	Emission Bandwi	dth (-26dBc BW)(MHz)
Frequency(MHz)	QPSK	16QAM
836.5	9.680	9.740
829	9.710	9.710
844	9.680	9.710

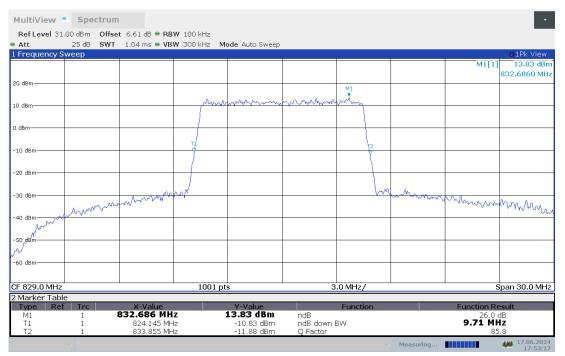
## LTE band 5, 10MHz Bandwidth, MID, QPSK (-26dBc BW)



#### LTE band 5, 10MHz Bandwidth, MID, 16QAM (-26dBc BW)

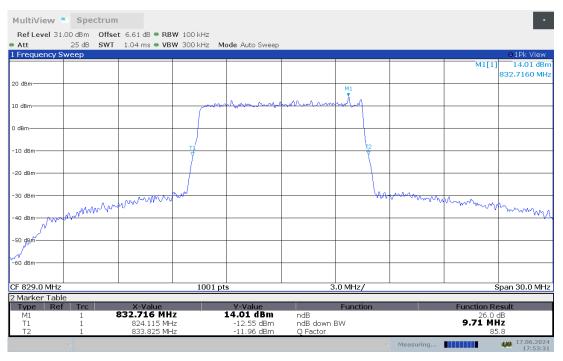






# LTE band 5 , 10MHz Bandwidth,LOW,QPSK (-26dBc BW)

# LTE band 5 , 10MHz Bandwidth,LOW,16QAM (-26dBc BW)

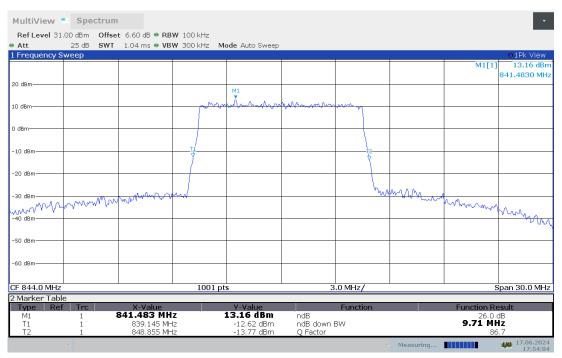


# LTE band 5 , 10MHz Bandwidth,HIGH,QPSK (-26dBc BW)



		<b>fset</b> 6.60 dB ● RBW 100 kH				_
Att		VT 1.04 ms 🖷 VBW 300 kH	z Mode Auto Sweep			
Frequency	Sweep			1		01Pk View
						M1[1] 13.96 dBm 844.8690 MHz
0 dBm						0-14.0050 Mills
				M1 T		
0 dBm			montand	mannon		
dBm						
10 dBm		<u>_</u>		12		
20 dBm						
30 dBm		- La amana ana an		W	Mythy	
mm	mm	mmanana				mmmmmm
40 dBm						- www.change
						(m)
50 dBm						
60 dBm						
F 844.0 MH	7	10	01 pts	3.0 MHz/		Span 30.0 MHz
Marker Tal	ole					
Type Re		X-Value	Y-Value	Function	F	Function Result
M1 T1	1	844.869 MHz 839.145 MHz	13.96 dBm -11.78 dBm	ndB ndB down BW		26.0 dB 9.68 MHz
T2	1	848.825 MHz	-12.54 dBm	Q Factor		87.3

### LTE band 5, 10MHz Bandwidth, HIGH, 16QAM (-26dBc BW)

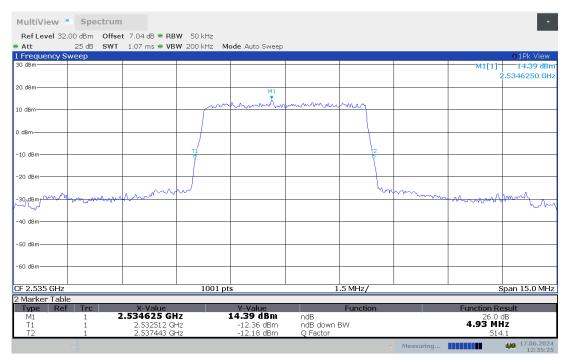




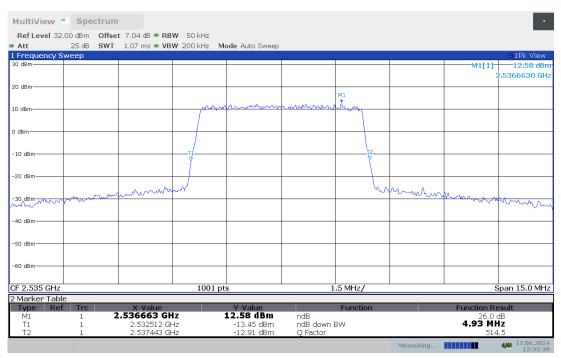
### LTE band 7,5MHz(-26dBc BW)

	Emission Bandwi	dth (-26dBc BW)(MHz)	
Frequency(MHz)	QPSK	16QAM	
2535	4.930	4.930	
2502.5	4.915	4.915	
2567.5	4.915	4.900	

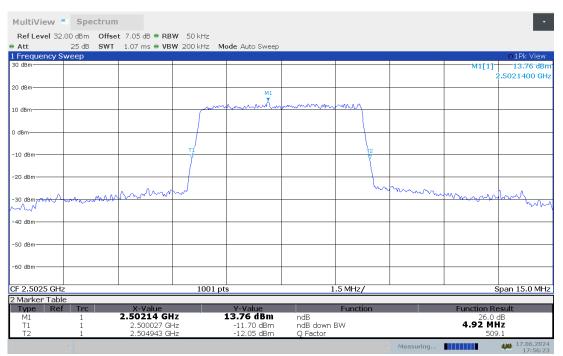
## LTE band 7 , 5MHz Bandwidth, MID, QPSK (-26dBc BW)



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

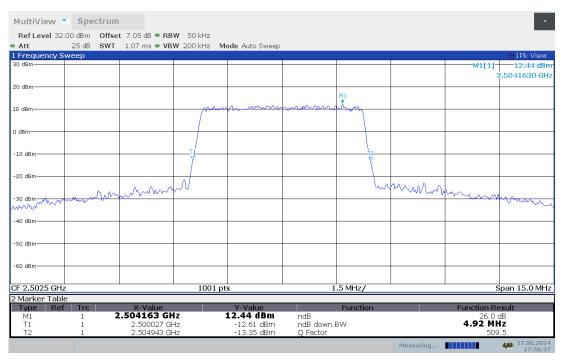






## LTE band 7 , 5MHz Bandwidth,LOW,QPSK (-26dBc BW)

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

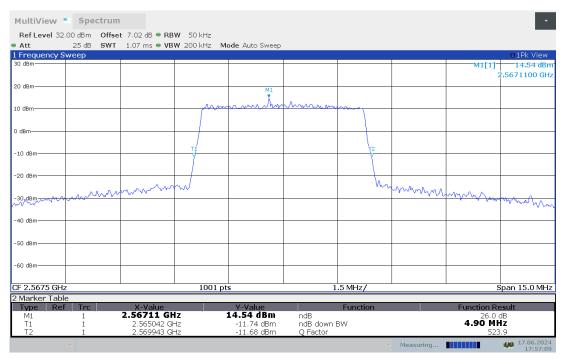


#### LTE band 7 , 5MHz Bandwidth,HIGH,QPSK (-26dBc BW)



14 11 12 <i>1</i>									
	Spectrun								•
		et 7.02 dB 🖷 RB							
Att		1.07 ms 🗢 VB	W 200 kHz M	ode Auto Sweep					o1Pk View
1 Frequency S 30 dBm	sweep					1		M1[1]	13.40 dBm
									2.5664660 GHz
20 dBm				M1					
10 dBm			mm		mmm	mm			
to abiii									
) dBm									
			T						
-10 dBm									
-20 dBm									
-20.dem	And when	mm	n d			w.	m	man	han
-30/dBm/									Lam
-40 dBm									
-50 dBm									
-60 dBm									
CF 2.5675 GH	z		1001 pt	s	1	.5 MHz/			pan 15.0 MHz
2 Marker Tab									
Type Re M1		X-Value 2.566466 GH	7	Y-Value 13.40 dBm	ndB	Function		Function Re 26.0	
T1	1 .	2.565027 GH		-12.12 dBm	ndB down f	BW		4.92 M	1z
T2	1	2.569943 GH		-12.69 dBm	Q Factor			522	
							Measuring		17.06.2024 18:34:01

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

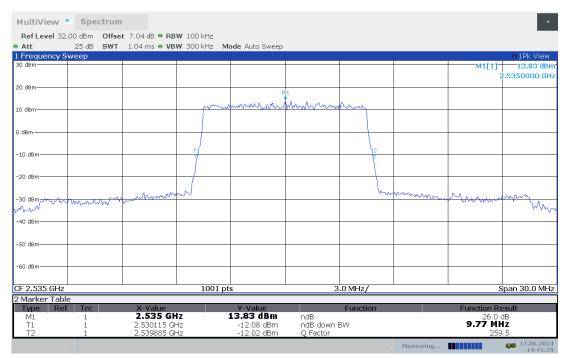




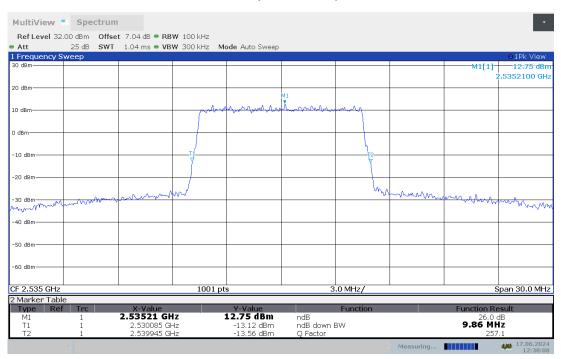
### LTE band 7,10MHz(-26dBc BW)

	Emission Bandwi	dth (-26dBc BW)(MHz)	
Frequency(MHz)	QPSK	16QAM	
2535	9.770	9.860	
2505	9.800	9.770	
2565	9.710	9.710	

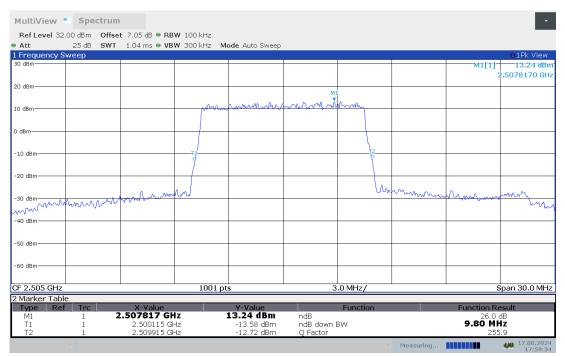
## LTE band 7 , 10MHz Bandwidth, MID, QPSK (-26dBc BW)



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

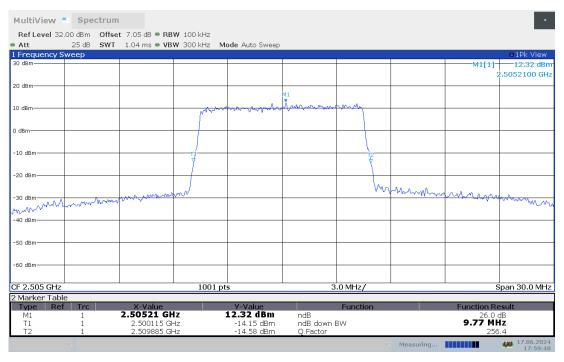






# LTE band 7 , 10MHz Bandwidth,LOW,QPSK (-26dBc BW)

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

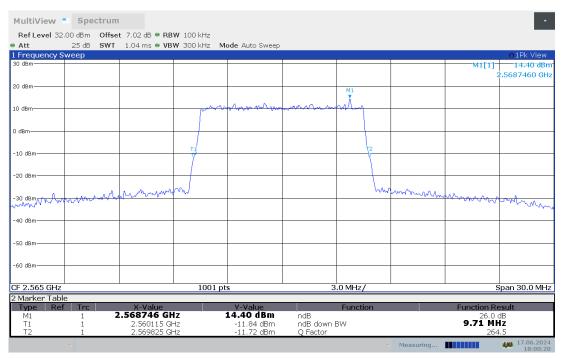


# LTE band 7 , 10MHz Bandwidth,HIGH,QPSK (-26dBc BW)



MultiView	Spectrum	n							•
		 et 7.02 dB ● RB	W 100 kHz						
Att		1.04 ms = VB		ode Auto Sweep					
l Frequency S	weep								o1Pk View
30 dBm								M1[1]	13.53 dBm 2.5686860 GHz
20 dBm						M1			
10 dBm			m	mmm	mmm	<b>•</b>			
0 dBm									
-10 dBm			4			12			
10 000			) X			7			
-20 dBm									
-30 dBm	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	mon	m			Why	mmm	hammen Am	man
ww	400.4 00000								home
-40 dBm									
-50 dBm									
-60 dBm									
CF 2.565 GHz			1001 pt	s	3	.0 MHz/			Span 30.0 MHz
2 Marker Tabl									
Type Ref M1		X-Value 2.568686 GH	7	Y-Value 13.53 dBm	ndB	Function		Function R	
МI T1 T2	1 1 1	2.560145 GH 2.569855 GH	Ηz	-11.85 dBm -12.40 dBm	ndB ndB down I Q Factor	BW		26.0 9.71 MI 264	Hz
	~	2.2330000 01		229 dom		~	Measuring		17.06.2024 18:00:07

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

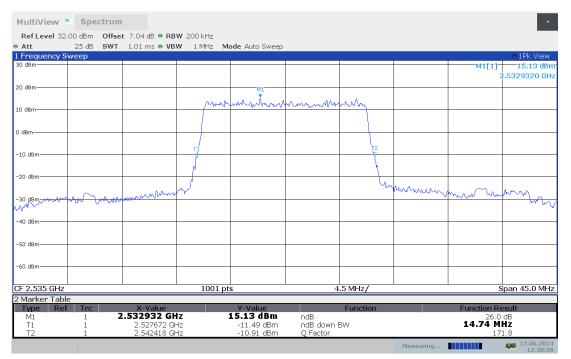




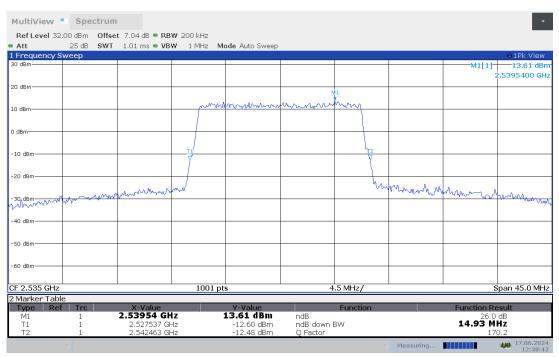
## LTE band 7,15MHz(-26dBc BW)

	Emission Bandwid	th (-26dBc BW)(MHz)		
Frequency(MHz)	QPSK	16QAM		
2535	14.745	14.925		
2507.5	14.745	14.745		
2562.5	14.700	14.880		

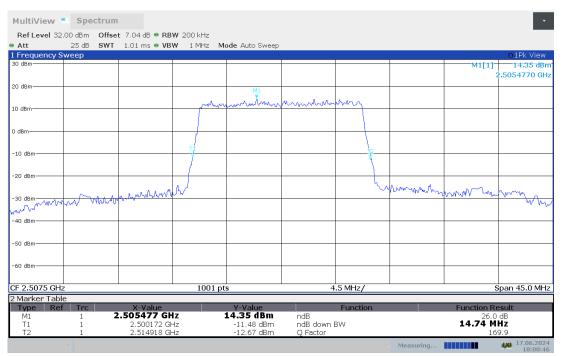
## LTE band 7 , 15MHz Bandwidth, MID, QPSK (-26dBc BW)



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

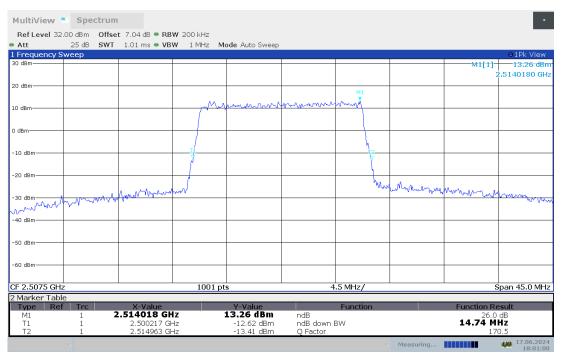






# LTE band 7 , 15MHz Bandwidth,LOW,QPSK (-26dBc BW)

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

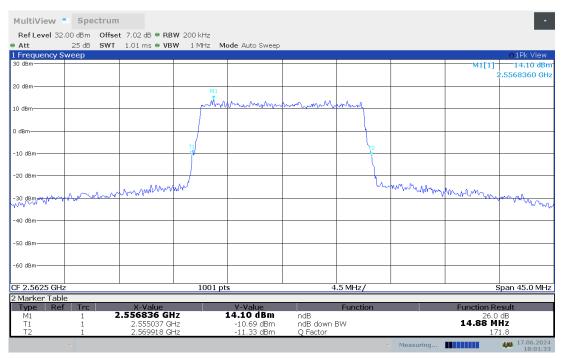


# LTE band 7 , 15MHz Bandwidth,HIGH,QPSK (-26dBc BW)



	Spectrum	1 st 7.02 dB = RB							
Att				lode Auto Sweep					
Frequency S		1.01 110 0 40		ioue nato oncep					●1Pk View
30 dBm								M1[1	] 14.61 dBm 2.5591280 GHz
20 dBm				M1					
.0 dBm			Mm	mmmm	mound	www			
0 ubiii									
) dBm									
						12			
10 dBm			<u>⊤1</u> ダ						
-20 dBm			had a			hor	Marann .		
30 dBm ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	mond	man	10-				anno mar	man	mony
WV VVV									M.M.
40 dBm									
50 dBm									
60 dBm									
ou ubm									
CF 2.5625 GH	2		1001 p	ts	4	.5 MHz/			Span 45.0 MHz
Marker Tabl									
Type Ref M1		X-Value 2.559128 GH	z	Y-Value 14.61 dBm	ndB	Function		Function	Result .0 dB
Τ1	1	2.555172 GF		-12.19 dBm	ndB down B	3W		14.70	MHz
T2	1	2.569873 GH	1Z	-11.37 dBm	Q Factor			1	174.1

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

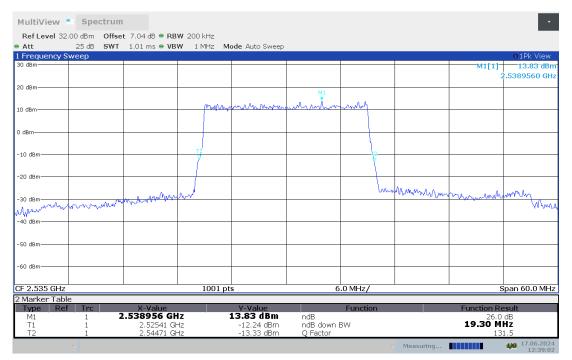




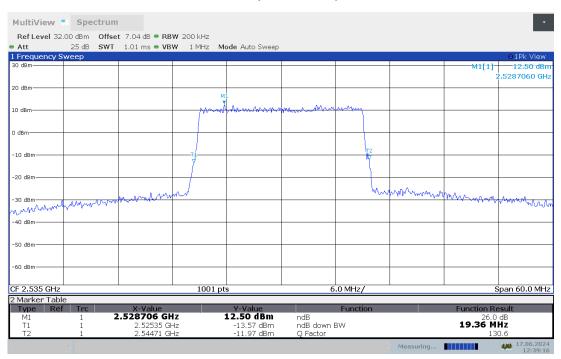
#### LTE band 7,20MHz(-26dBc BW)

Frequency/(MHz)	Emission Bandwidth (-26dBc BW)(MHz)				
Frequency(MHz)	QPSK	16QAM			
2535	19.301	19.361			
2510	19.361	19.421			
2560	19.121	19.361			

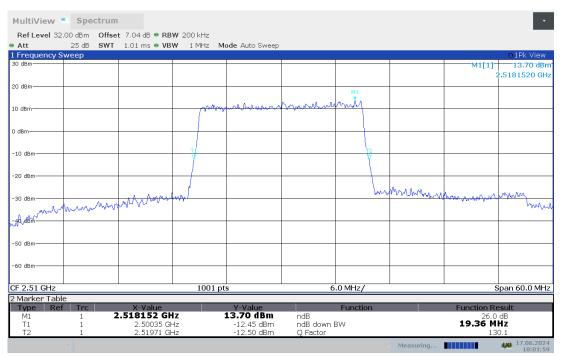
## LTE band 7 , 20MHz Bandwidth, MID, QPSK (-26dBc BW)



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

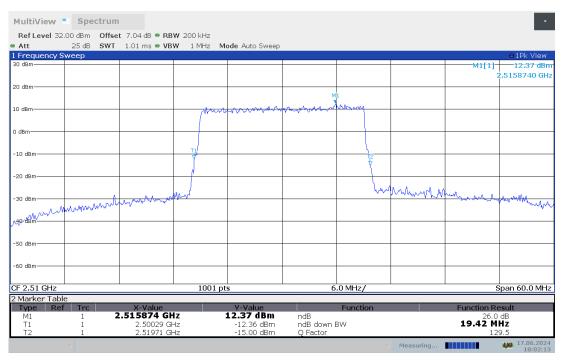






# LTE band 7 , 20MHz Bandwidth,LOW,QPSK (-26dBc BW)

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

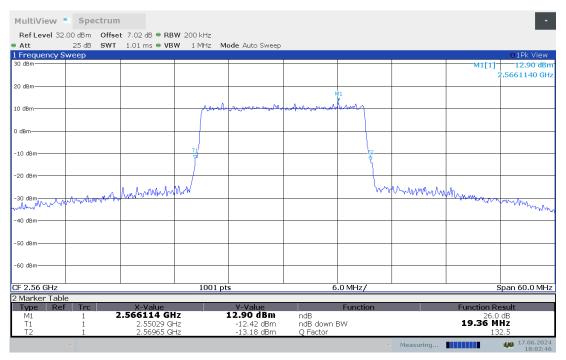


# LTE band 7 , 20MHz Bandwidth,HIGH,QPSK (-26dBc BW)



MultiViou	Spectru	100							
Ref Level 32 Att		set 7.02 dB = RB							
Att 1 Frequency :		T 1.01 ms 🗢 VB		ode Auto Sweep					o1Pk View
30 dBm								M1[1]	1
									2.5665930 GHz
20 dBm						M1			
						T			
10 dBm			Man	montan	manhand	Maring			
0 dBm									
			т			T2			
-10 dBm			4			¥			
			1			ξ			
-20 dBm									
			. (			L	I alm at the		
-30 dBm	And Anna later	mannon	MW				hours	Marana	approximation of the second
www	,								homen
-40 dBm									- P W
-50 dBm									
-60 dBm									
CF 2.56 GHz			1001 pt	IS IS	6	.0 MHz/		1	Span 60.0 MHz
2 Marker Tab	le								
Type Re	fTrc	X-Value		Y-Value		Function		Function R	
M1 T1	1	2.566593 GH 2.55047 GH		14.84 dBm -9.62 dBm	ndB ndB down f	B14/		26.0 19.12 M	)dB
T2	1	2.56959 GH		-10.16 dBm	Q Factor	_>**			34.2
	~				-	2	Measuring		17.06.2024
									18:02:32

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

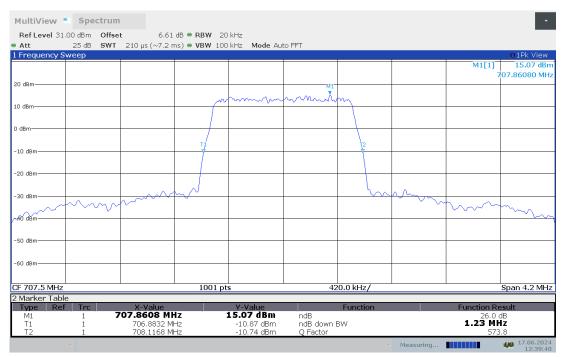




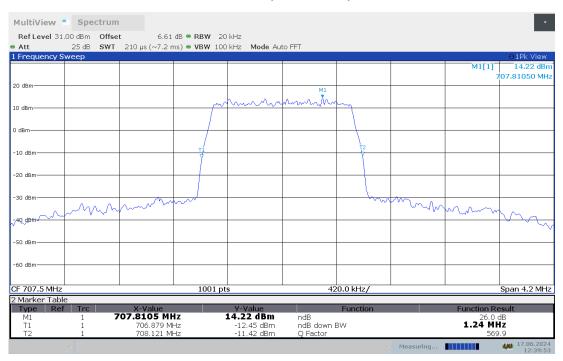
	Emission Bandwi	dth (-26dBc BW)(MHz)
Frequency(MHz)	QPSK	16QAM
707.5	1.234	1.242
699.7	1.238	1.238
715.3	1.234	1.242

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

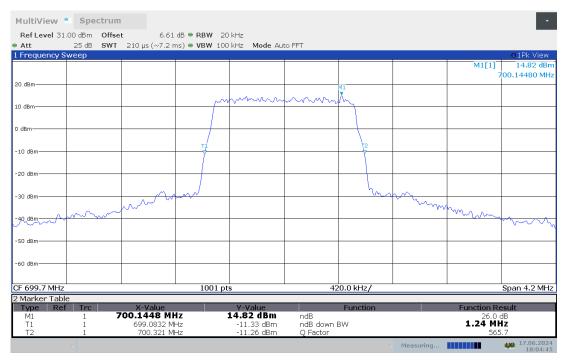
## LTE band 12 , 1.4MHz Bandwidth,MID,QPSK (-26dBc BW)



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

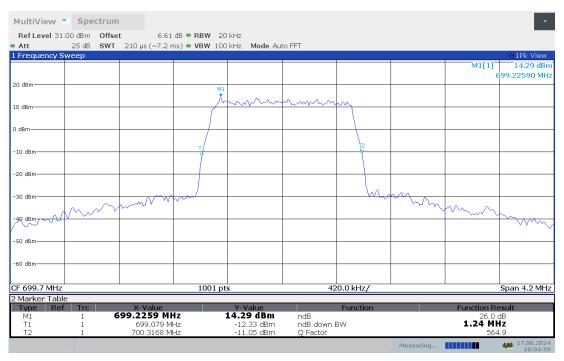






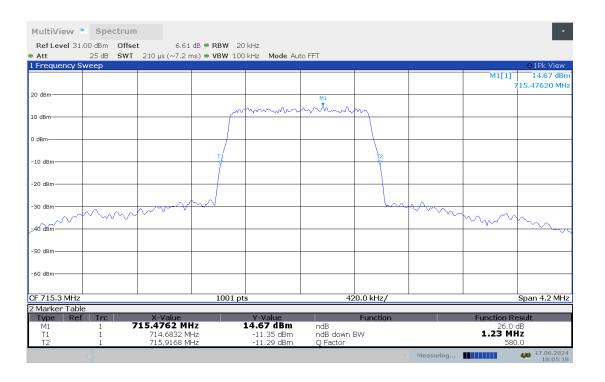
# LTE band 12 , 1.4MHz Bandwidth,LOW,QPSK (-26dBc BW)

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



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





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

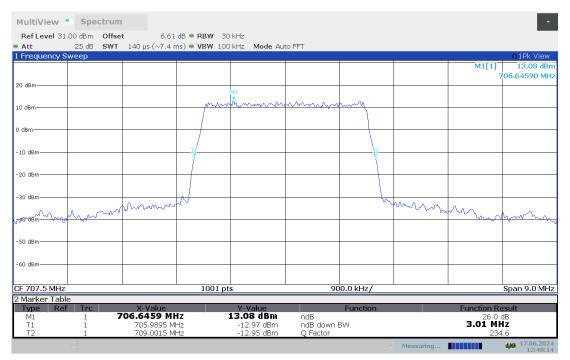




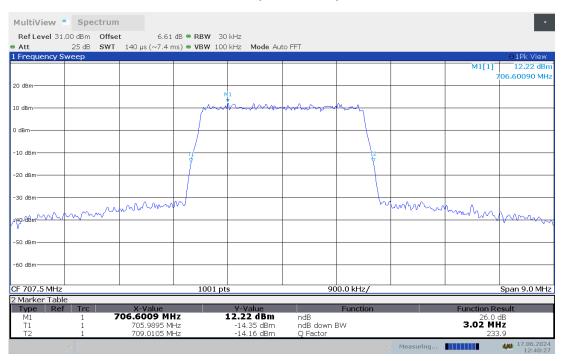
#### LTE band 12,3MHz(-26dBc BW)

	Emission Bandwidth (-26dBc BW)(MHz)				
Frequency(MHz)	QPSK	16QAM			
707.5	3.012	3.021			
700.5	3.012	2.931			
714.5	2.985	2.985			

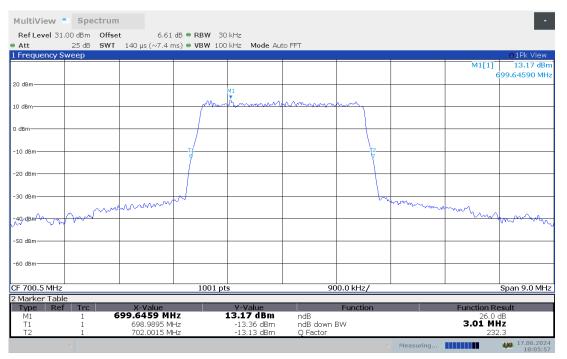
## LTE band 12, 3MHz Bandwidth, MID, QPSK (-26dBc BW)



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

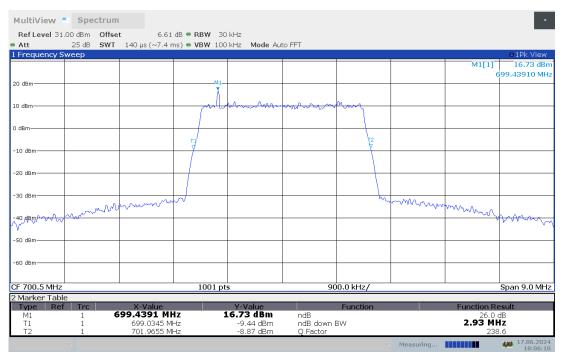






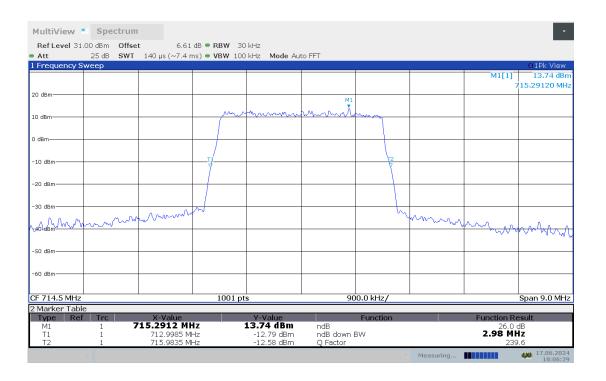
# LTE band 12 , 3MHz Bandwidth,LOW,QPSK (-26dBc BW)

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

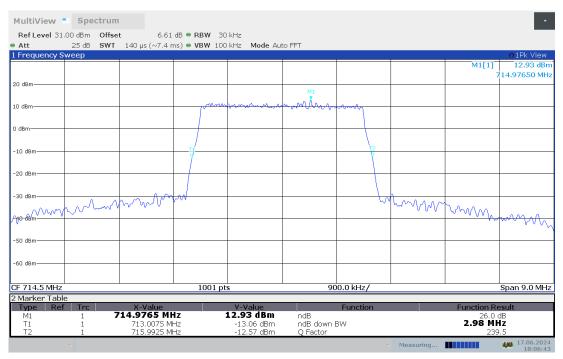


# LTE band 12 , 3MHz Bandwidth,HIGH,QPSK (-26dBc BW)





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

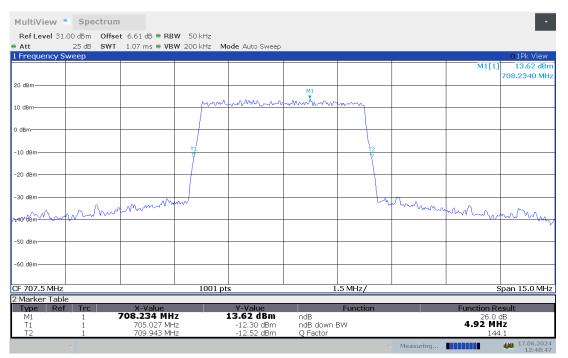




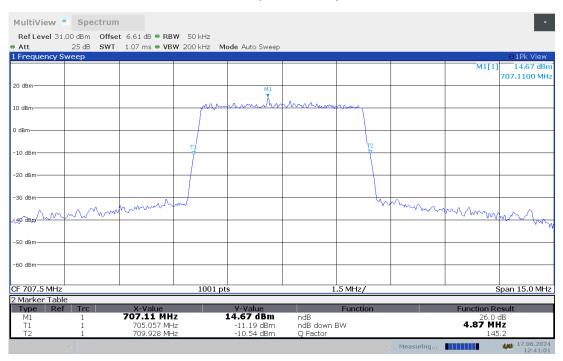
#### LTE band 12,5MHz(-26dBc BW)

	Emission Bandwi	dth (-26dBc BW)(MHz)
Frequency(MHz)	QPSK	16QAM
707.5	4.915	4.870
701.5	4.915	4.915
713.5	4.900	4.870

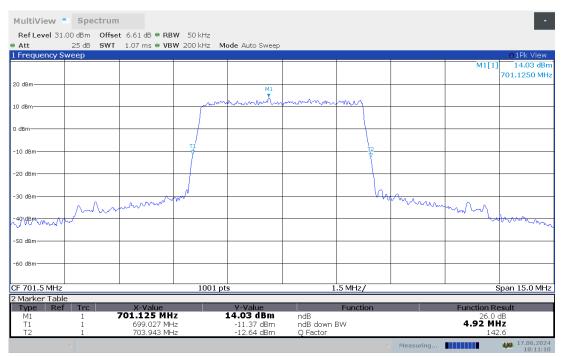
## LTE band 12 , 5MHz Bandwidth, MID, QPSK (-26dBc BW)



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

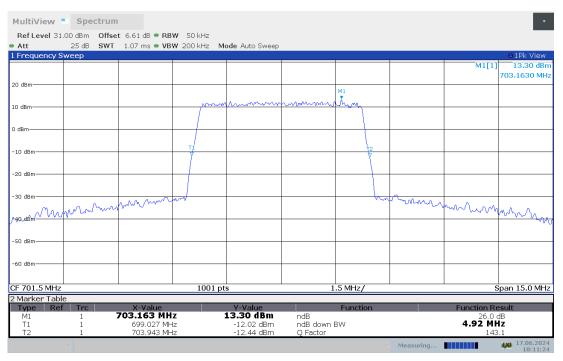






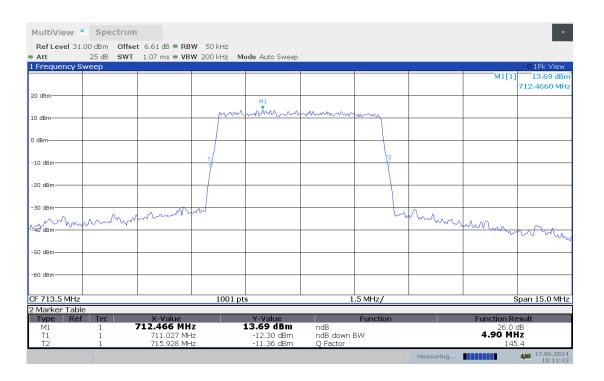
# LTE band 12 , 5MHz Bandwidth,LOW,QPSK (-26dBc BW)

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

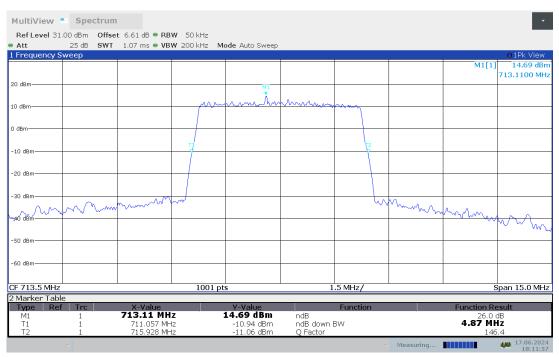


#### LTE band 12 , 5MHz Bandwidth, HIGH, QPSK (-26dBc BW)





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

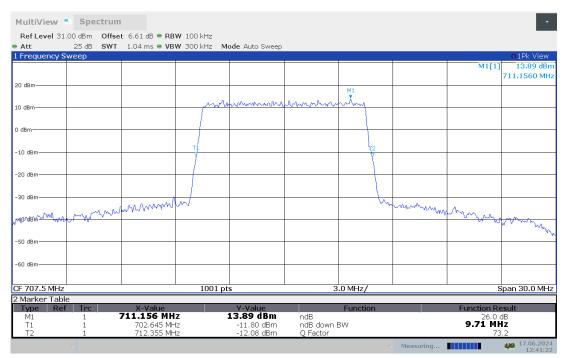




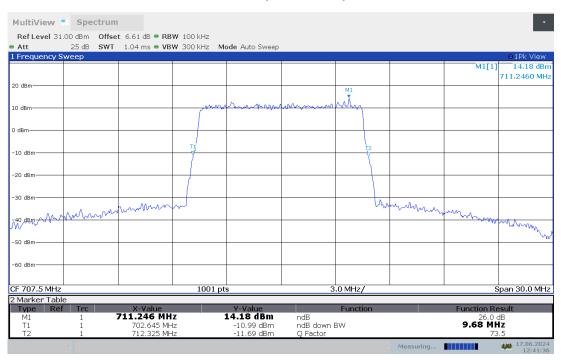
## LTE band 12,10MHz(-26dBc BW)

	Emission Bandwi	dth (-26dBc BW)(MHz)
Frequency(MHz)	QPSK	16QAM
707.5	9.710	9.680
704	9.710	9.800
711	9.680	9.830

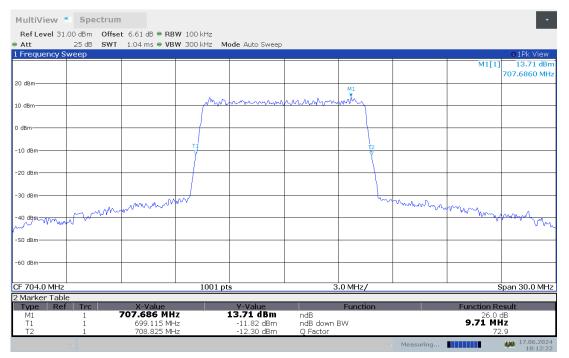
### LTE band 12 , 10MHz Bandwidth, MID, QPSK (-26dBc BW)



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

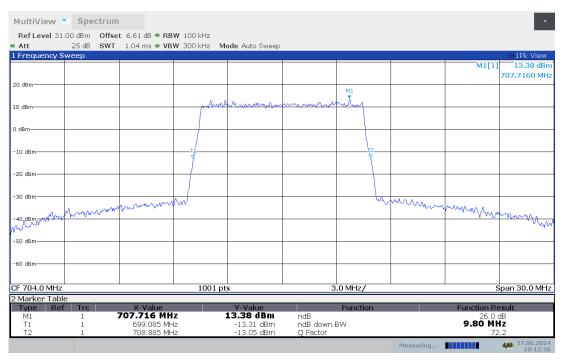






# LTE band 12 , 10MHz Bandwidth,LOW,QPSK (-26dBc BW)

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

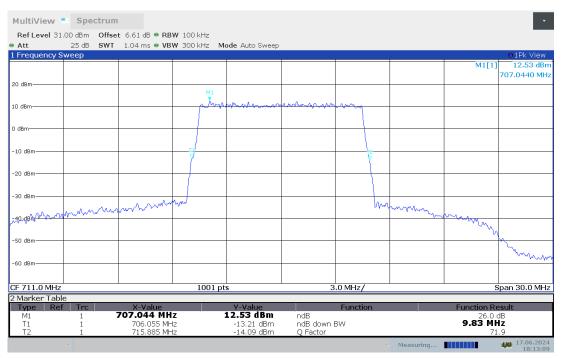


#### LTE band 12, 10MHz Bandwidth, HIGH, QPSK (-26dBc BW)



Ref Level 31.00 d       Att       2:       Frequency Sweet       20 dBm	5 dB SWT	: 6.61 dB ● RBV 1.04 ms ● VBV		ode Auto Sweep			-		o 1Pk View
Frequency Swee		1.04 ms • VBV	♥ 300 kHz Ma	ode Auto Sweep			1		
	ep								
20 dBm									14.06 dBm
20 dBm								M1[1]	714.8960 MHz
		1							
						M1			
LO dBm			mm	mmann	mon	ming			
) dBm									
			-						
10 dBm						V V			
-20 dBm									
			1						
-30 dBm		. Anna an	N			h			
manner	mm	NVS HALLOS	<u> </u>				mmmmmmm	Mara.	
								my	
-50 dBm								6	
									and and a second
-60 dBm									mound
CF 711.0 MHz			1001 pt		3	.0 MHz/		5	pan 30.0 MHz
Marker Table			2001 pt	-		/			
Type Ref	Trc	X-Value		Y-Value		Function		Function Re	
M1 T1	1 7	714.896 MHz 706.145 MH;		L4.06 dBm -11.70 dBm	ndB ndB down f	B14/		26.0 0 9.68 MH	iB IZ
T2	1	715.825 MHz		-12.03 dBm	Q Factor	_***		73	
v							Measuring		17.06.2024 18:12:55

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

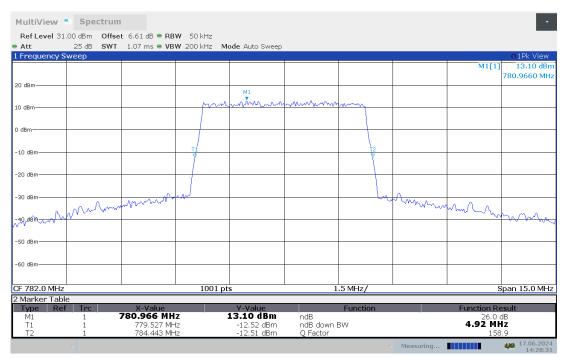




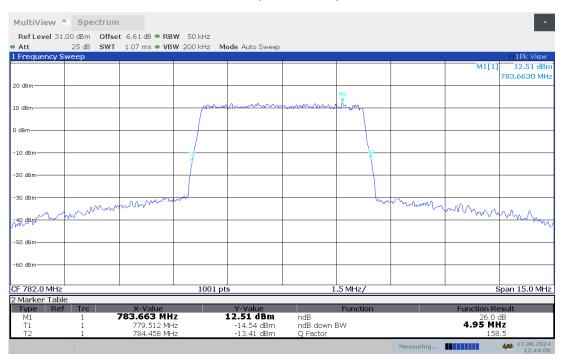
#### LTE band 13,5MHz(-26dBc BW)

	Emission Bandwi	dth (-26dBc BW)(MHz)
Frequency(MHz)	QPSK	16QAM
782	4.915	4.945
779.5	4.915	4.945
784.5	4.915	4.870

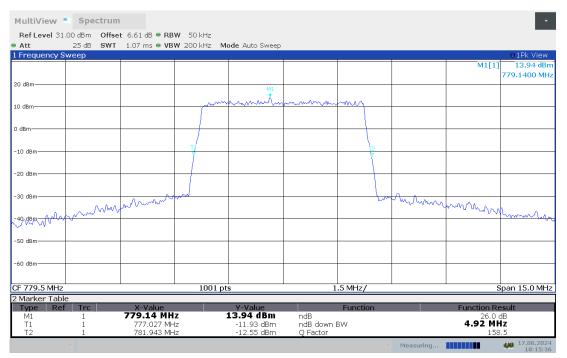
## LTE band 13, 5MHz Bandwidth, MID, QPSK (-26dBc BW)



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

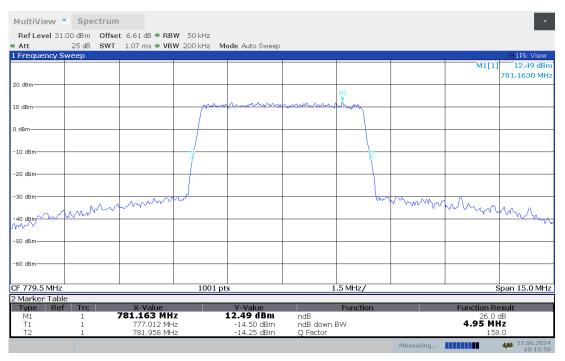






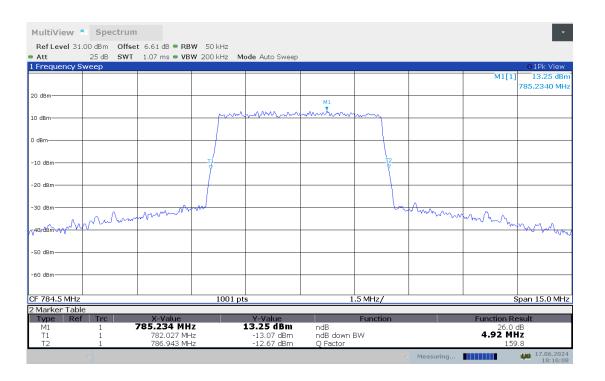
# LTE band 13 , 5MHz Bandwidth,LOW,QPSK (-26dBc BW)

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

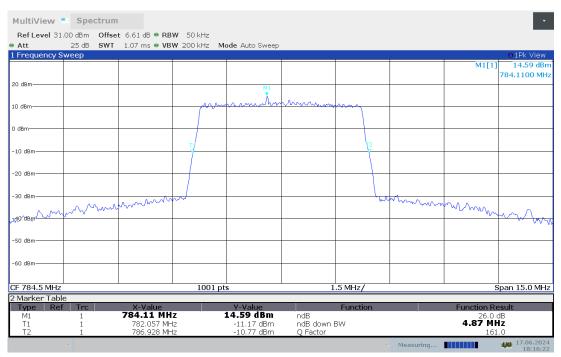


#### LTE band 13, 5MHz Bandwidth, HIGH, QPSK (-26dBc BW)





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

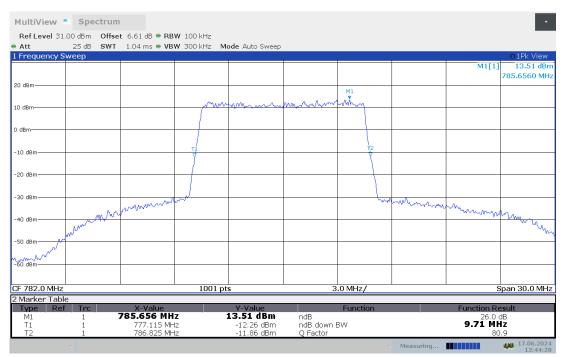




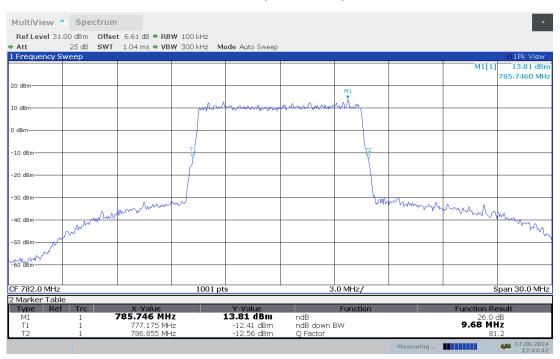
### LTE band 13,10MHz(-26dBc BW)

	Emission Bandwi	dth (-26dBc BW)(MHz)
Frequency(MHz)	QPSK	16QAM
782	9.710	9.680
782	9.710	9.770
782	9.710	9.710

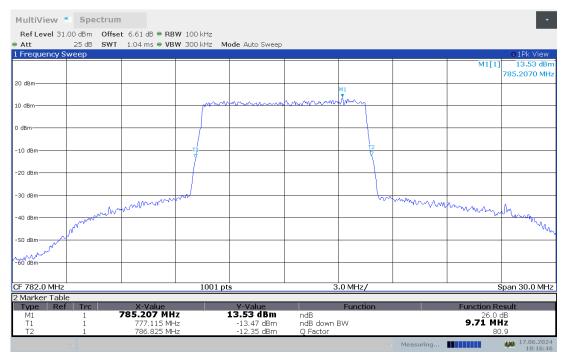
## LTE band 13, 10MHz Bandwidth, MID, QPSK (-26dBc BW)



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

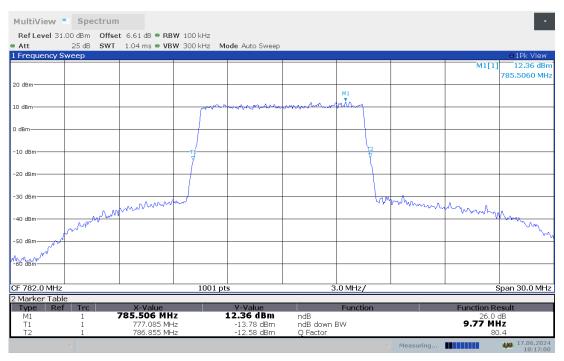






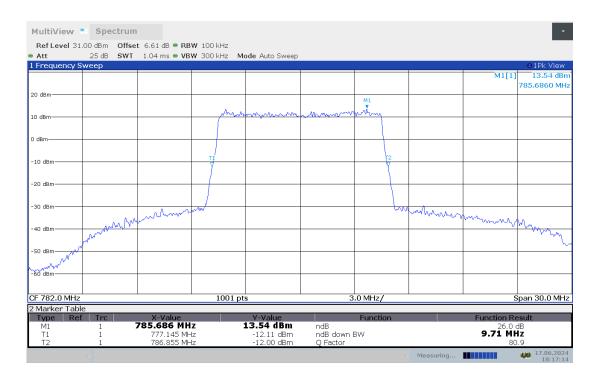
## LTE band 13 , 10MHz Bandwidth,LOW,QPSK (-26dBc BW)

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

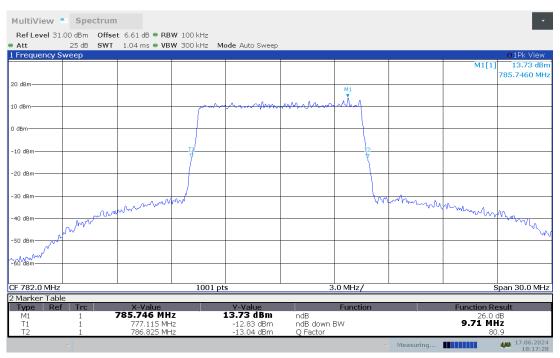


### LTE band 13, 10MHz Bandwidth, HIGH, QPSK (-26dBc BW)





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

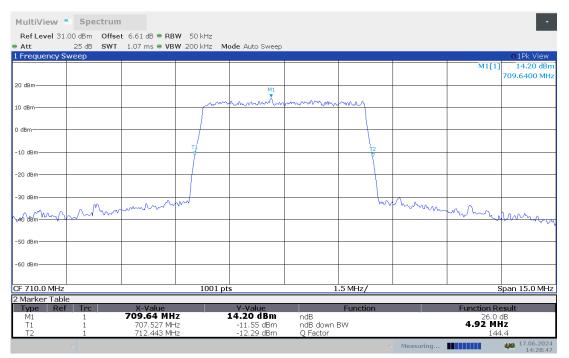




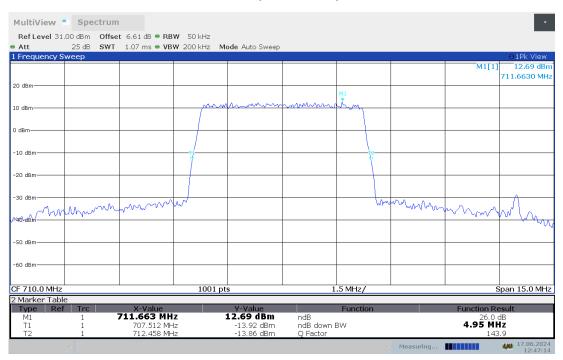
### LTE band 17,5MHz(-26dBc BW)

	Emission Bandwi	dth (-26dBc BW)(MHz)
Frequency(MHz)	QPSK	16QAM
710	4.915	4.945
706.5	4.915	4.870
713.5	4.915	4.930

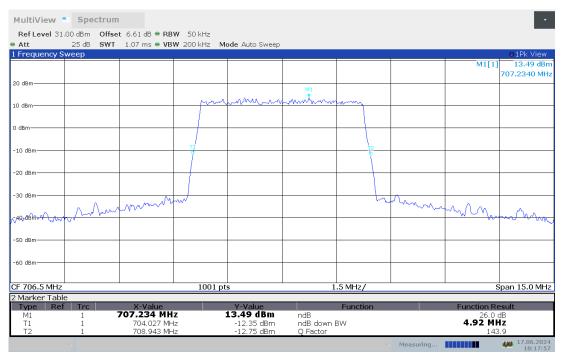
### LTE band 17, 5MHz Bandwidth, MID, QPSK (-26dBc BW)



### LTE band 17, 5MHz Bandwidth, MID, 16QAM (-26dBc BW)

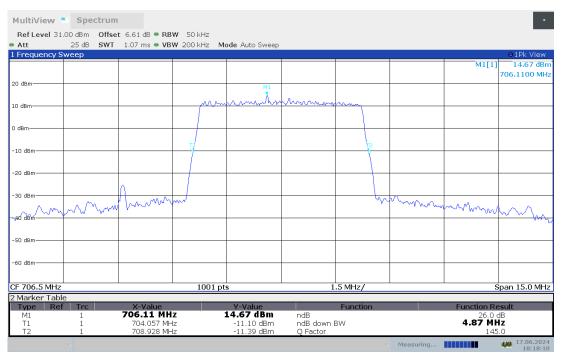






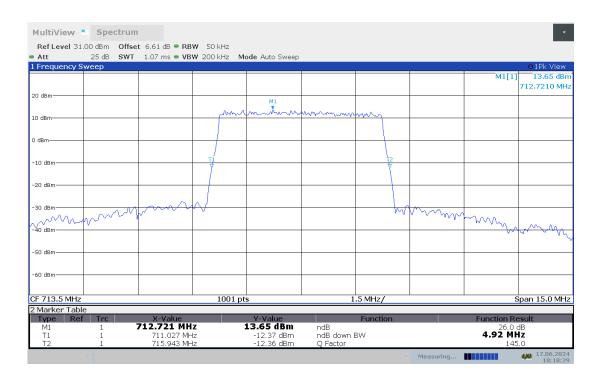
# LTE band 17 , 5MHz Bandwidth,LOW,QPSK (-26dBc BW)

## LTE band 17 , 5MHz Bandwidth,LOW,16QAM (-26dBc BW)

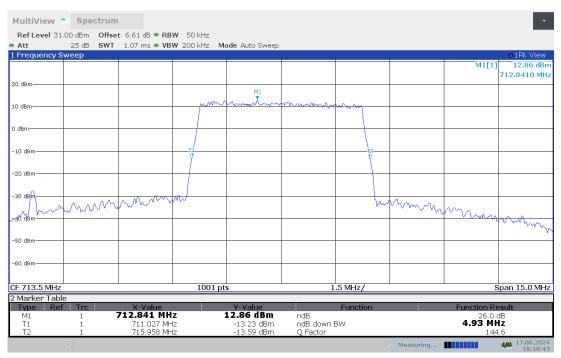


## LTE band 17 , 5MHz Bandwidth,HIGH,QPSK (-26dBc BW)





### LTE band 17, 5MHz Bandwidth, HIGH, 16QAM (-26dBc BW)



9.800



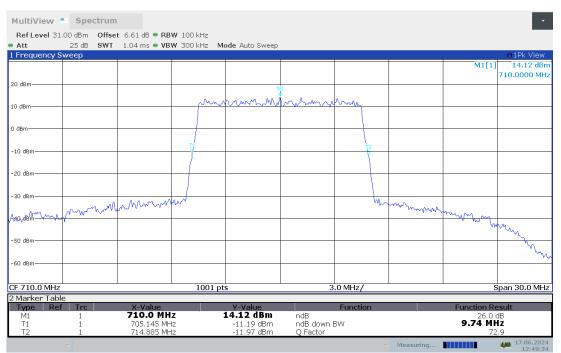
(					
	Emission Bandwidth (-26dBc BW)(MHz)				
Frequency(MHz)	QPSK	16QAM			
710	9.740	9.770			
709	9.740	9.800			

9.680

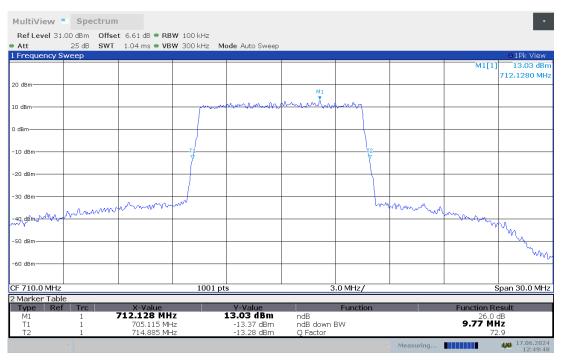
### LTE band 17,10MHz(-26dBc BW)

711

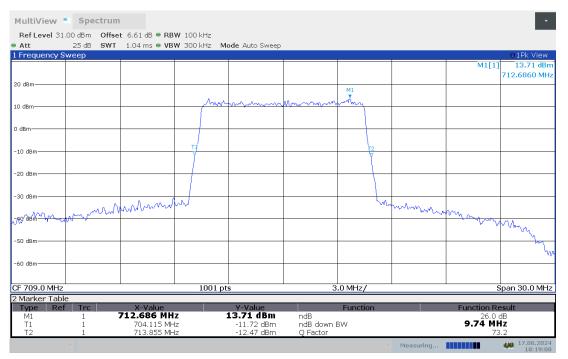
# LTE band 17 , 10MHz Bandwidth,MID,QPSK (-26dBc BW)



## LTE band 17, 10MHz Bandwidth,MID,16QAM (-26dBc BW)

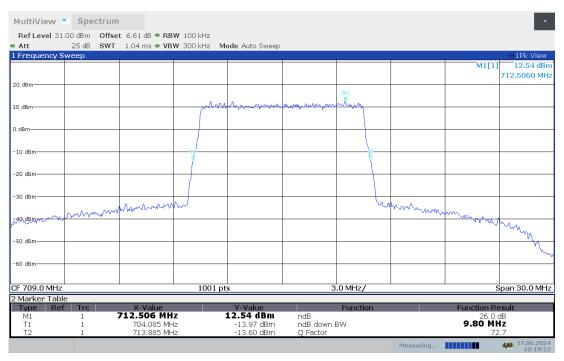






## LTE band 17 , 10MHz Bandwidth,LOW,QPSK (-26dBc BW)

## LTE band 17 , 10MHz Bandwidth,LOW,16QAM (-26dBc BW)

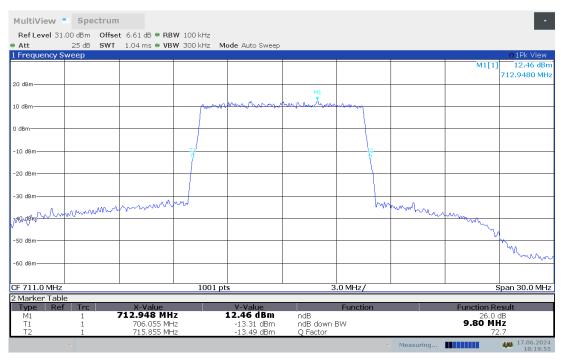


LTE band 17, 10MHz Bandwidth, HIGH, QPSK (-26dBc BW)



Ref Level 31 Att	00 dBm Offse 25 dB SWT			lode Auto Sweep					
Frequency S		1.04 ms 🖶 VB	WY SUUKHZ IV	Iode Auto Sweep					o1Pk View
								M1[1]	1
20 dBm				M1					
10 dBm			mm	mound	mamme	mmy			
) dBm									
-10 dBm						T2			
10 000			1						
-20 dBm									
-30 dBm	hundre	mm	~~			h.	mahamma	M	
								handred	n
-50 dBm									mm
-60 dBm									
CF 711.0 MHz			1001 p	ts	3	.0 MHz/			Span 30.0 MHz
Marker Tab	le				-	· ·			
Type         Re           M1         T1           T2         T2		X-Value 708.902 MH 706.145 M⊢ 715.825 M⊢	z	Y-Value 14.32 dBm -12.70 dBm -10.95 dBm	ndB ndB down I Q Factor	Function BW		Function R <sup>,</sup> 26.0 <b>9.68 MI</b>	dB

### LTE band 17 , 10MHz Bandwidth,HIGH,16QAM (-26dBc BW)

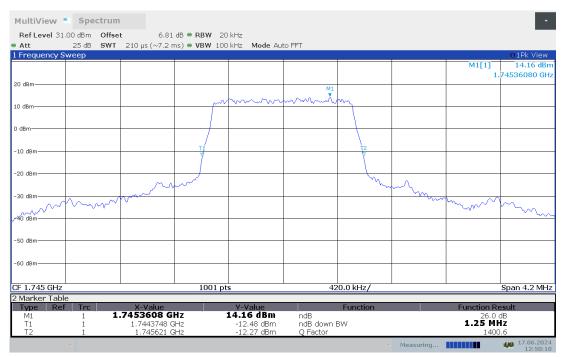




	Emission Bandwi	dth (-26dBc BW)(MHz)
Frequency(MHz)	QPSK	16QAM
1745	1.246	1.242
1710.7	1.238	1.246
1779.3	1.238	1.234

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

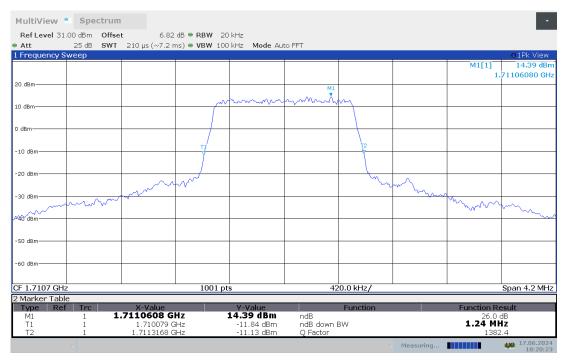
### LTE band 66 , 1.4MHz Bandwidth,MID,QPSK (-26dBc BW)



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

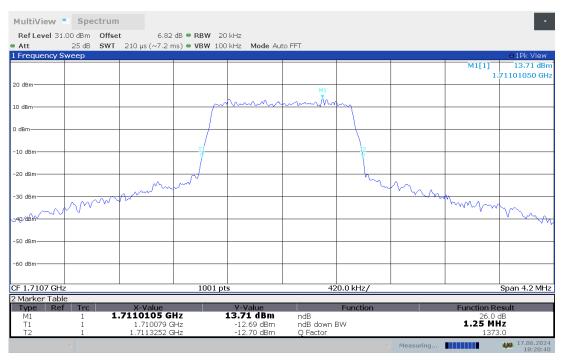






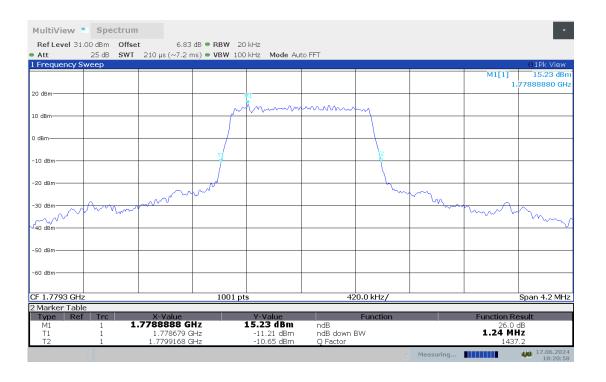
# LTE band 66 , 1.4MHz Bandwidth,LOW,QPSK (-26dBc BW)

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

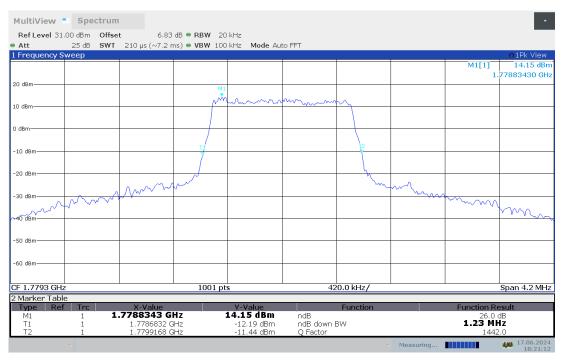


LTE band 66 , 1.4MHz Bandwidth,HIGH,QPSK (-26dBc BW)





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

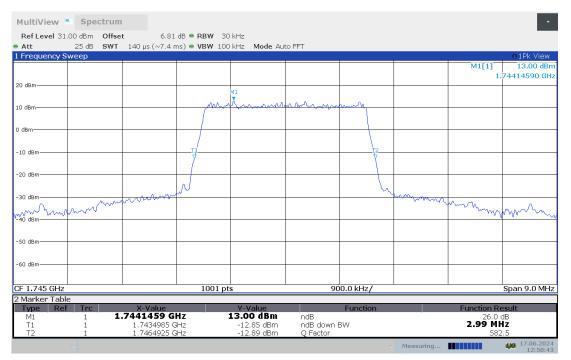




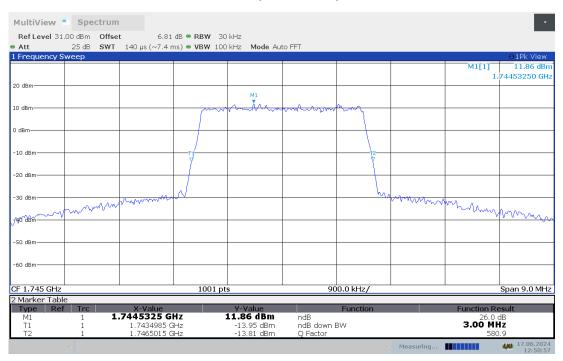
### LTE band 66,3MHz(-26dBc BW)

	Emission Bandwi	dth (-26dBc BW)(MHz)
Frequency(MHz)	QPSK	16QAM
1745	2.994	3.003
1711.5	3.003	3.003
1778.5	3.030	2.985

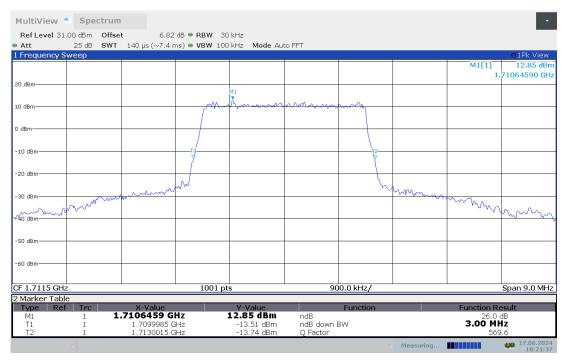
### LTE band 66 , 3MHz Bandwidth, MID, QPSK (-26dBc BW)



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

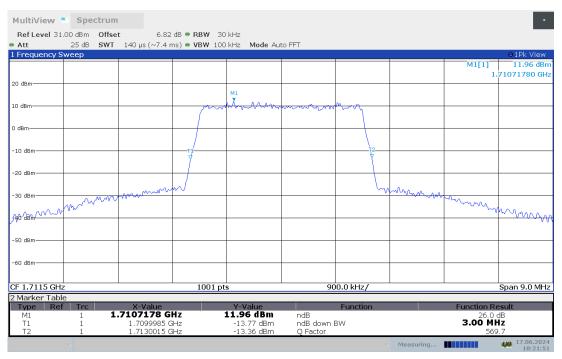






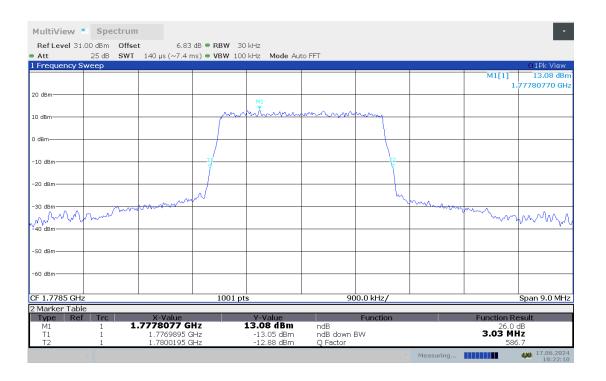
## LTE band 66 , 3MHz Bandwidth,LOW,QPSK (-26dBc BW)

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

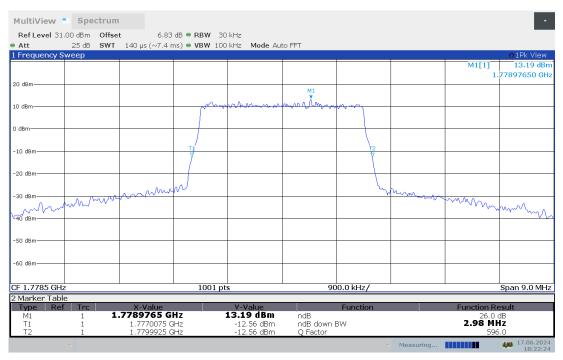


## LTE band 66 , 3MHz Bandwidth, HIGH, QPSK (-26dBc BW)





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

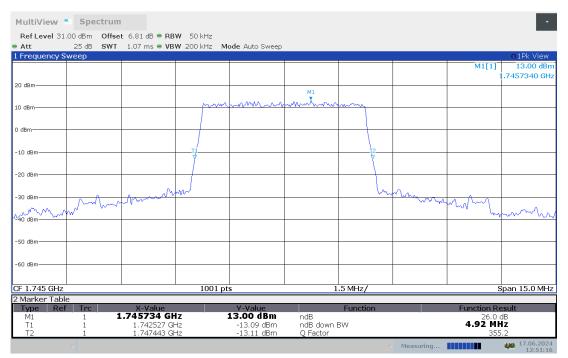




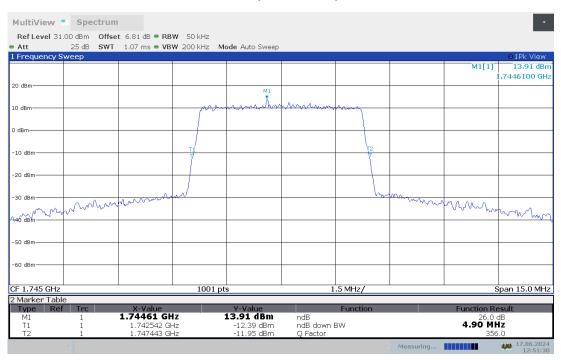
#### LTE band 66,5MHz(-26dBc BW)

	Emission Bandwi	dth (-26dBc BW)(MHz)
Frequency(MHz)	QPSK	16QAM
1745	4.915	4.900
1712.5	4.915	4.885
1777.5	4.915	4.930

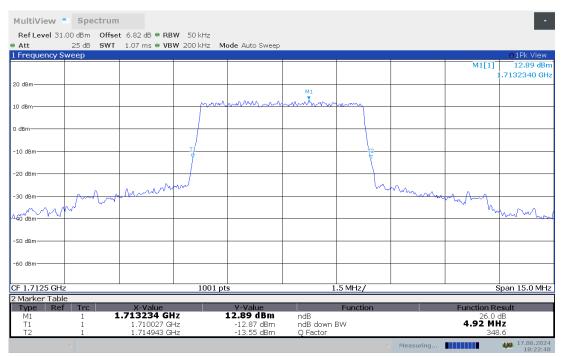
### LTE band 66 , 5MHz Bandwidth, MID, QPSK (-26dBc BW)



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

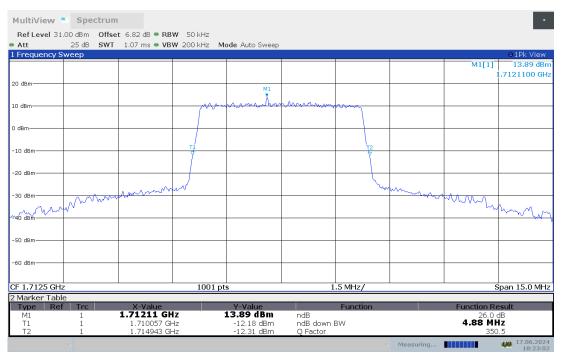






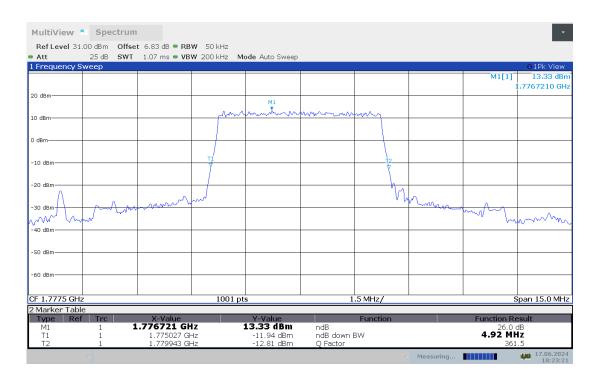
## LTE band 66 , 5MHz Bandwidth,LOW,QPSK (-26dBc BW)

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

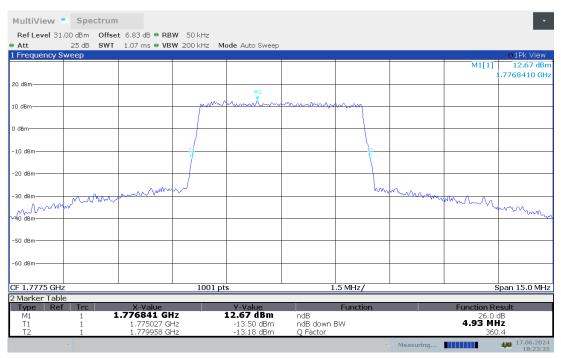


## LTE band 66 , 5MHz Bandwidth,HIGH,QPSK (-26dBc BW)





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

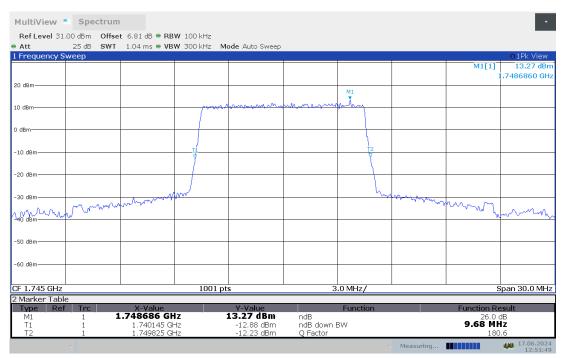




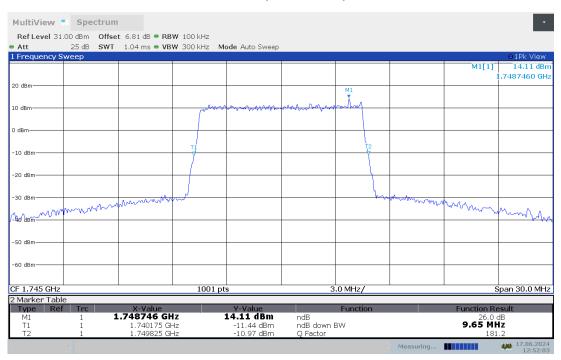
### LTE band 66,10MHz(-26dBc BW)

	Emission Bandwi	dth (-26dBc BW)(MHz)
Frequency(MHz)	QPSK	16QAM
1745	9.680	9.650
1715	9.740	9.680
1775	9.710	9.740

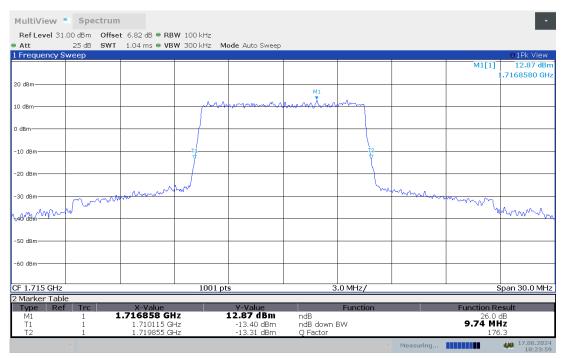
### LTE band 66 , 10MHz Bandwidth, MID, QPSK (-26dBc BW)



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

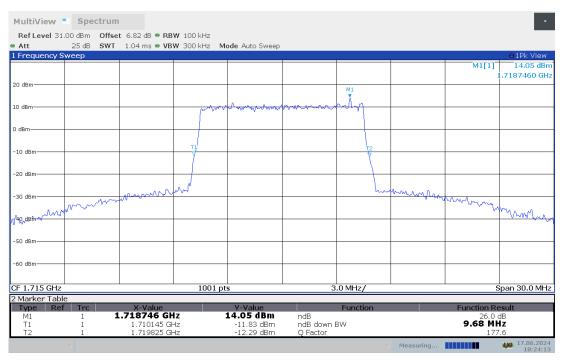






## LTE band 66 , 10MHz Bandwidth,LOW,QPSK (-26dBc BW)

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

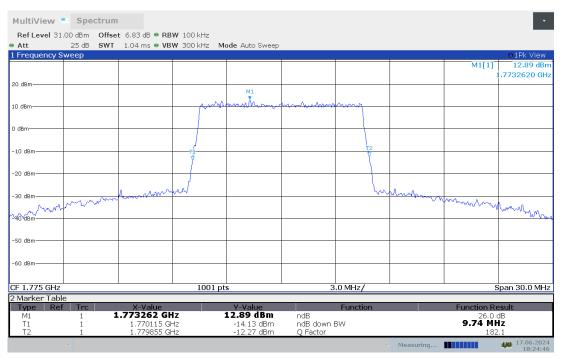


## LTE band 66 , 10MHz Bandwidth, HIGH, QPSK (-26dBc BW)



MultiView						•
Ref Level 31 Att		<b>set</b> 6.83 dB <b>● RBW</b> 100 kl /T 1.04 ms <b>● VBW</b> 300 kl				
Frequency S		1 1.04 ms - VBW 300 K	nz Mode Auto Sweep			o1Pk View
					N	11[1] 14.17 dBm 1.7789260 GHz
20 dBm				M1		
10 dBm			mmmmm	mommunity		
) dBm						
-10 dBm		1		12		
10 000						
20 dBm						
-30 dBm		man man		Lw	manna	
40 dBm	Mum	~~~~~			manan	monum
40 UBM						
50 dBm						
-60 dBm						
00 0011						
CF 1.775 GHz		1	DO1 pts	3.0 MHz/		Span 30.0 MHz
Marker Tabl		V U-L	V H-h	Europe 1	_	Non Devela
Type Rei M1	f <u>Trc</u> 1	X-Value 1.778926 GHz	Y-Value 14.17 dBm	Function ndB	2	tion Result 26.0 dB
T1 T2	1	1.770145 GHz 1.779855 GHz	-11.44 dBm -11.14 dBm	ndB down BW Q Factor	9.7	1 MHz 183.2
14	-	1.775000 0112	11.14 GDIII		Measuring	17.05.0004

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

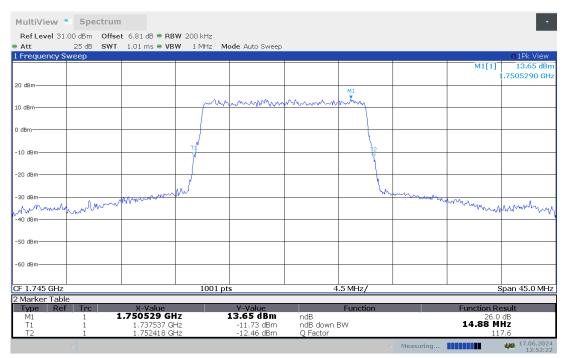




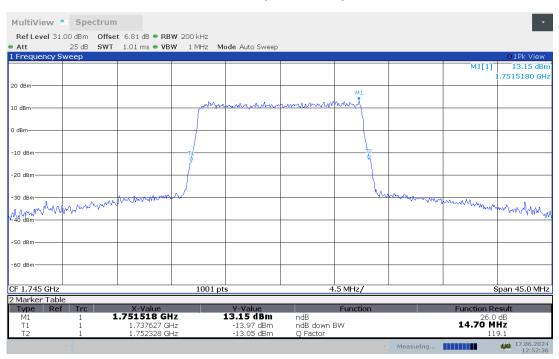
### LTE band 66,15MHz(-26dBc BW)

	Emission Bandwid	th (-26dBc BW)(MHz)
Frequency(MHz)	QPSK	16QAM
1745	14.880	14.700
1717.5	14.880	14.655
1772.5	14.745	14.880

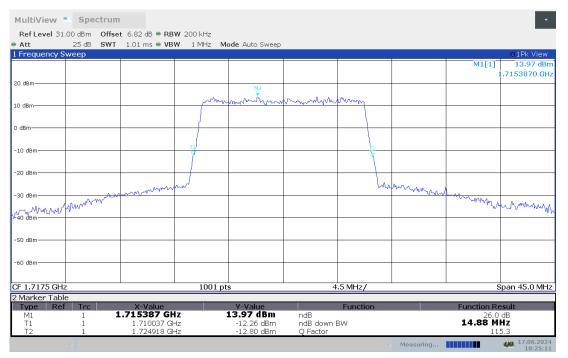
### LTE band 66 , 15MHz Bandwidth, MID, QPSK (-26dBc BW)



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

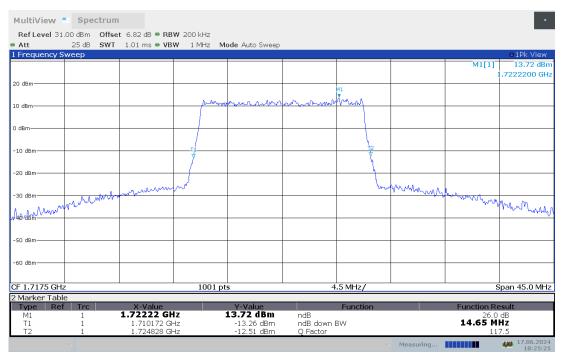






## LTE band 66 , 15MHz Bandwidth,LOW,QPSK (-26dBc BW)

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

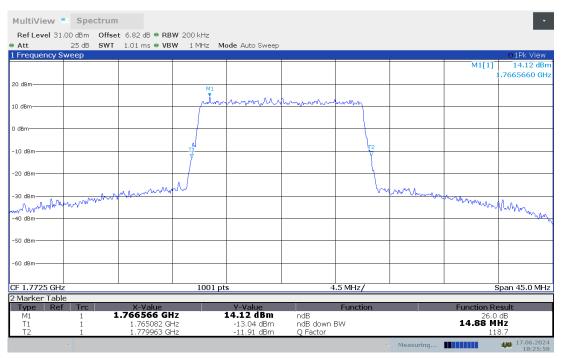


## LTE band 66 , 15MHz Bandwidth, HIGH, QPSK (-26dBc BW)



Att		fset 6.82 dB ● RB\ /T 1.01 ms ● VB\		ode Auto Sweep					
Frequency									o1Pk View
								M1[1]	14.88 dBn
									1.7691730 GH
I dBm				MI				-	-
			non	mound	mann	man			
dBm									
dBm									-
			Ţ			T2			
.0 dBm	-								+
0 dBm									
			~~ <u>_</u>			had			
30 dBm		monorm					anne with the	mum	
Mann	montion						ummmm.	man	howman
10 dBm									- · m
i0 dBm	-								
i0 dBm									
= 1.7725 G⊦	7		1001 pt	he l	4	.5 MHz/		L,	Span 45.0 MH:
Marker Tab			1001 p			10 11112/			span loto min
Type Re		X-Value		Y-Value		Function		Function R	esult
M1	1	1.769173 GH		14.88 dBm	ndB			26.0	l dB
T1 T2	1	1.765172 G⊢ 1.779918 G⊢		-10.48 dBm -10.89 dBm	ndB down E Q Factor	3W		14.74 M	HZ 20.0

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

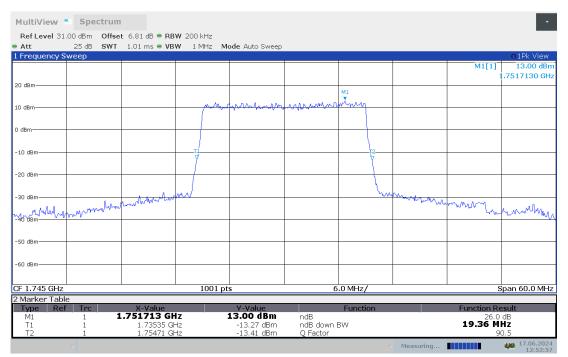




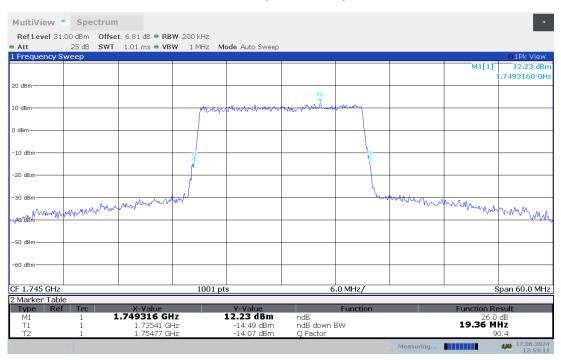
### LTE band 66,20MHz(-26dBc BW)

Erequency/(MHz)	Emission Bandwid	th (-26dBc BW)(MHz)
Frequency(MHz)	QPSK	16QAM
1745	19.361	19.361
1720	19.121	19.301
1770	19.361	19.421

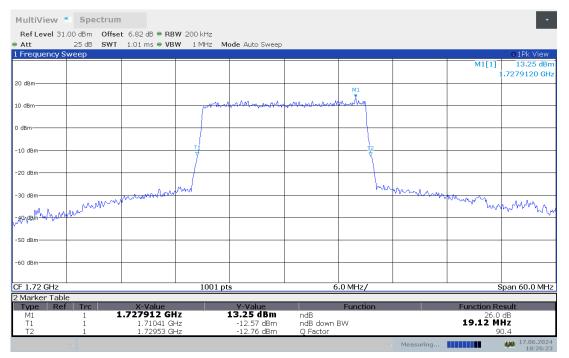
### LTE band 66 , 20MHz Bandwidth, MID, QPSK (-26dBc BW)



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

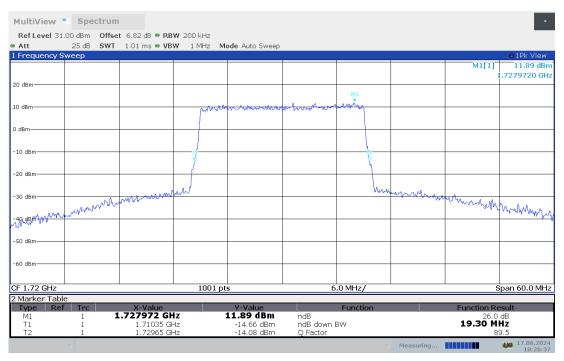






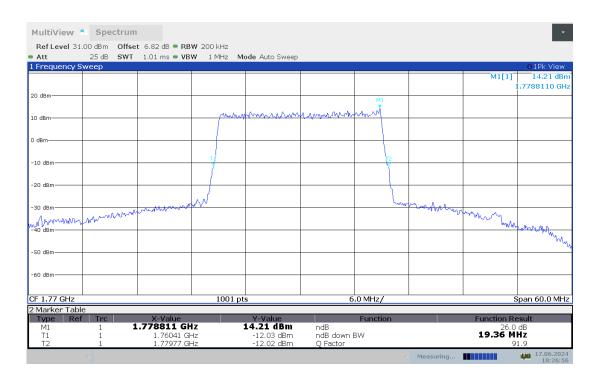
# LTE band 66 , 20MHz Bandwidth,LOW,QPSK (-26dBc BW)

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

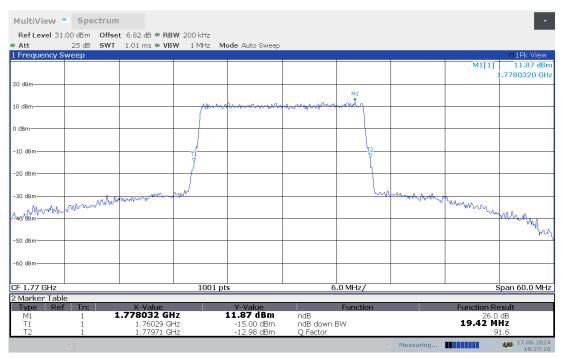


## LTE band 66 , 20MHz Bandwidth, HIGH, QPSK (-26dBc BW)





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



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



# A.6 BAND EDGE COMPLIANCE

#### 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(c) specifies On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB; On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations; Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed; Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

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.

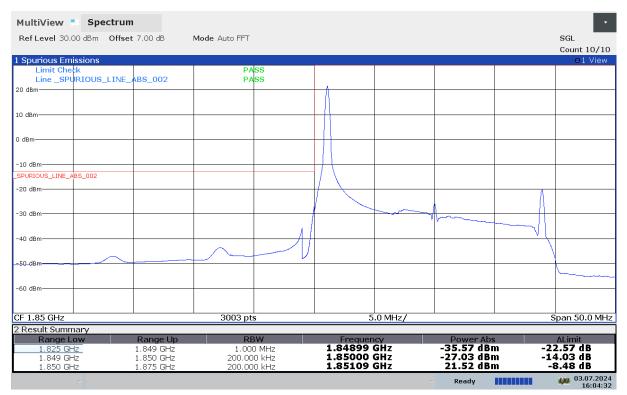
Part 27.53(m) specifies for mobile digital stations, the attenuation factor shall be not less than 40+ 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 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.

#### A.6.2 Measurement result

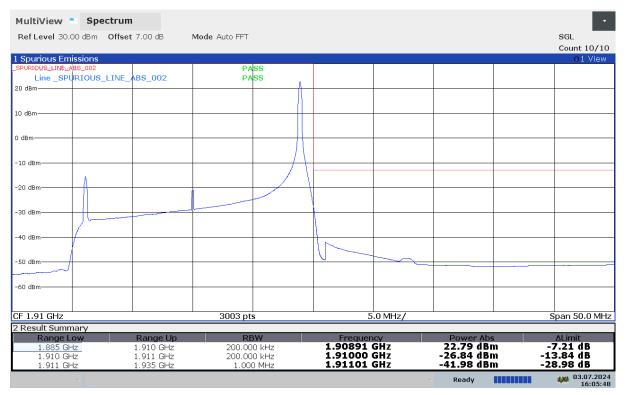
#### Only worst case result is given below



# LTE band 2 LOW BAND EDGE BLOCK-1RB-low\_offset



## HIGH BAND EDGE BLOCK-1RB-high\_offset





#### LOW BAND EDGE BLOCK-20MHz-100%RB

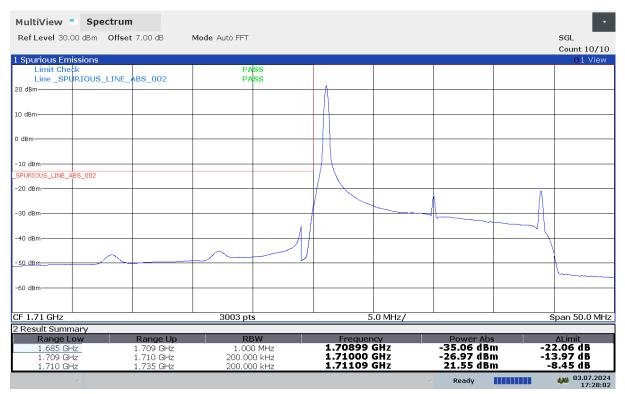
MultiView Spectrum Ref Level 30.00 dBm Offse		<b>1ode</b> Auto FFT			SGL Count 10/10
1 Spurious Emissions					O1 View
Limit Check Line _SPURIOUS_LINE_ 20 dBm	ABS_002	PASS PASS			
10 dBm					
					~
0 dBm					
-10 dBm-					
_SPURIOUS_LINE_ABS_002					
-20 dBm					
-30 dBm		1			
-40 dBm					
-50 dBm					
-60 dBm					
CF 1.85 GHz	1	3003 pts	5.0 MHz/		Span 50.0 MHz
2 Result Summary					
Range Low           1.825 GHz           1.849 GHz           1.850 GHz	Range Up 1.849 GHz 1.850 GHz 1.875 GHz	RBW 1.000 MHz 200.000 kHz 200.000 kHz	Frequency 1.84899 GHz 1.85000 GHz 1.86784 GHz	Power Abs -35.72 dBm -38.37 dBm 3.59 dBm	∆Limit -22.72 dB -25.37 dB -26.41 dB
7				🔻 Ready	03.07.2024 16:03:26

### HIGH BAND EDGE BLOCK-20MHz-100%RB

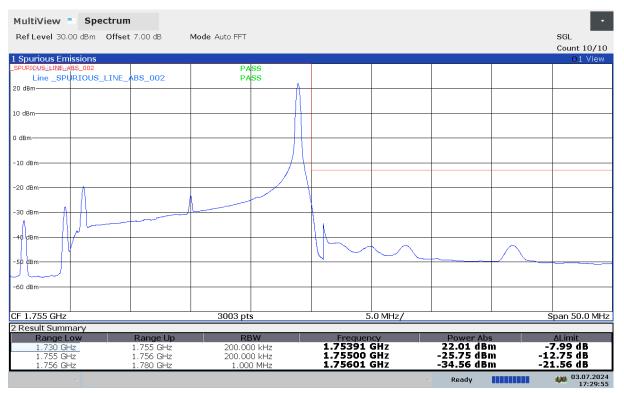
	PASS PASS				01 View
Line _SPURIOUS_LINE_ABS_002					
20 dBm 10 dBm 10 dBm 10 dBm 20 dBm 20 dBm 20 dBm 30 dBm 40 dBm 40 dBm 50 dBm					
10 dBm 10 dBm 10 dBm 20 dBm 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm 50 dBm 51 J91 GHz 51 J91 GHz 51 GHZ					
D dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -50 dBm -50 dBm -51 GHz -51 G					
D dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -50 dBm -50 dBm -51 GHz -51 G					
-10 dBm					
-10 dBm					
-20 dBm					
-20 dBm					
-30 dBm					
30 dBm 40 dBm 50 dBm 60 dBm F 1.91 GHz 3					
40 dBm					
-40 dBm					
-50 dBm					
-50 dBm					
-50 dBm					
-60 dBm					
-60 dBm					
F 1.91 GHz ::					
F 1.91 GHz ::					
	003 pts	5.0 M	MHz/	1	Span 50.0 MH
Result Summary					
Range Low Range Up		Frequency 1.89116 GH		Power Abs	ΔLimit
1.885 GHz 1.910 GHz 1.910 GHz 1.911 GHz	RBW		/	3.68 dBm	-26.32 dB -25.84 dB
1.911 GHz 1.935 GHz	200.000 kHz			8.84 dBm	
		1.91000 GH 1.91101 GH	lz -3	8.84 dBm 5.32 dBm	-22.32 dB



# LTE band 4 LOW BAND EDGE BLOCK-1RB-low\_offset



### HIGH BAND EDGE BLOCK-1RB-high\_offset





#### LOW BAND EDGE BLOCK-20MHz-100%RB

MultiView Spectrum Ref Level 30.00 dBm Offse		Mode Auto FFT			SGL Count 10/10
1 Spurious Emissions					O1 View
Limit Check Line _SPURIOUS_LINE_ 20 dBm-	_ <b>ABS_0</b> 02	PASS PASS			
10 dBm					
0 dBm					~
-10 dBm					
_SPURIOUS_LINE_ABS_002					
-20 dBm					
-30 dBm					
-40 dBm			~		
-50 dBm					
-60 dBm					
CF 1.71 GHz		3003 pts	5.0 MHz/	I I	Span 50.0 MHz
2 Result Summary					
Range Low           1.685 GHz           1.709 GHz           1.710 GHz	Range Up 1.709 GHz 1.710 GHz 1.735 GHz	RBW 1.000 MHz 200.000 kHz 200.000 kHz	Frequency 1.70899 GHz 1.71000 GHz 1.72819 GHz	Power Abs -34.21 dBm -37.74 dBm 3.35 dBm	ΔLimit -21.21 dB -24.74 dB -26.65 dB
7				v Ready	03.07.2024 16:31:16

### HIGH BAND EDGE BLOCK-20MHz-100%RB

MultiView Spectrum Ref Level 30.00 dBm Offset 7.00 dB	Mode Auto FFT			SGL Count 10/10
l Spurious Emissions				O1 View
SPURIOUS_LINE_ABS_002 Line_SPURIOUS_LINE_ABS_002	PASS PASS			
20 dBm	PASS			
LO dBm				
U UBM				
) dBm				
10 dBm				
20 dBm				
-30 dBm				
40 dBm				
50 dBm				
60 dBm		+ +		
CF 1.755 GHz	3003 pts	5.0 MHz/		Span 50.0 MH
Result Summary	0000 pts	510 mHZ/		oparioolo Mir
Range Low Range Up	RBW	Frequency	Power Abs	ΔLimit
1.730 GHz 1.755 GHz	200.000 kHz	1.75244 GHz	3.63 dBm	-26.37 dB
1.755 GHz 1.756 GHz 1.756 GHz 1.780 GHz	200.000 kHz 1.000 MHz	1.75500 GHz 1.75601 GHz	-37.73 dBm -35.88 dBm	-24.73 dB -22.88 dB
1.750 GHZ	1.000 Miliz	100001 0112		
			Ready	17:30:1



# LTE band 5 LOW BAND EDGE BLOCK-1RB-low\_offset

MultiView Spec	Offset 6.70 dB M	ode Auto FFT				SGL Count 10/1
1 Spurious Emissions						o1 View
Limit Check		PASS				
Line _SPURIOUS_I	LINE_ABS_002	PASS				
20 dBm			1			
10 dBm						
10 0011						
0 dBm						
-10 dBm						
			-1/			
_SPURIOUS_LINE_ABS_002						
-20 dBm						
				1 8		Δ
-30 dBm						1)
30 dbiii						J
						$\lambda$
-40 dBm						
-50 dBm	$\sim$					
-50 dBm						
						A A
-60 dBm						
CF 824.0 MHz	· · · · ·	3003 pts		3.0 MHz/		Span 30.0 Mi
2 Result Summary						
Range Low	Range Up	RBW	Freque	nev	Power Abs	ΔLimit
809.000 MHz	823.000 MHz	1.000 MHz	822.99301	LMHz	-43.22 dBn	1 -30.22 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99950		-23.68 dBm	
824.000 MHz	839.000 MHz	100.000 kHz	824.59191	L MHz	20.39 dBn	n -9.61 dB
7				~	Ready	<b>()</b> 03.07.20
					Reduy	17:39:

### HIGH BAND EDGE BLOCK-1RB-high\_offset





#### LOW BAND EDGE BLOCK-10MHz-100%RB

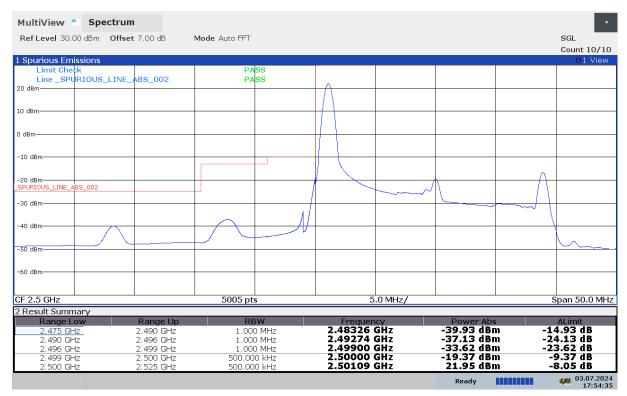
Ref Level 30.00 df	<b>Spectrum</b> Bm Offset (	5.70 dB M	Mode Auto FFT						SGL Count 10/10
1 Spurious Emissic	ons								o1 View
Limit Check Line _SPURIC	DUS_LINE_A	BS_002	PA PA						
20 060									
10 dBm									
0 dBm								-	
U dBm									
-10 dBm									
_SPURIOUS_LINE_ABS_C	002								
-20 dBm									
20 d0				_					
-30 dBm									
-40 dBm				مسيرا					
-50 dBm									
-60 dBm									
CF 824.0 MHz		1	3003 pts	6	3	.0 MHz/			Span 30.0 MHz
2 Result Summary									
Range Low		Range Up	RB		Frequen	су	Power Abs	;	ΔLimit
809.000 MHz 823.000 MHz 824.000 MHz	. 82	23.000 MHz 24.000 MHz 39.000 MHz	1.000 100.00 100.00	0 kHz	822.99301 823.99950 831.15534	MHz	-29.45 dBr -34.31 dBr 3.50 dBr	n -:	L6.45 dB 21.31 dB 26.50 dB
824.000 MHz	83	9.000 MHZ	100.00		551.15354	• MNZ			03.07.2024 17:38:59

### HIGH BAND EDGE BLOCK-10MHz-100%RB

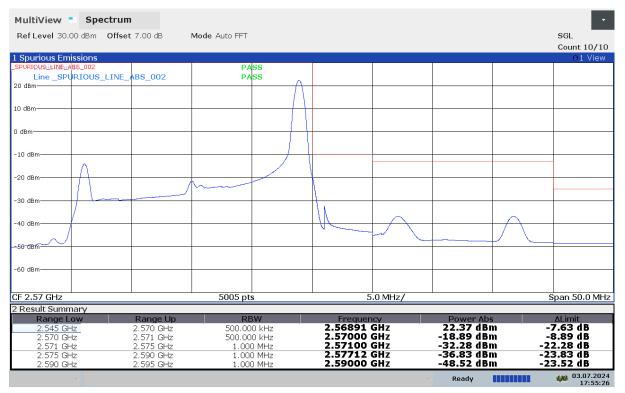
MultiView  Spectrum Ref Level 30.00 dBm Offset	6.70 dB <b>Mode</b> At	ito FFT				SGL Count 10/1
Spurious Emissions						O1 View
SPURIOUS_LINE_ABS_002 Line_SPURIOUS_LINE_A	RG 000	PASS PASS				
20 dBm	BS_002	PASS				
20 dbm						
10.40						
LO dBm						
· · · · · · · · · · · · · · · · · · ·						
) dBm						
-10 dBm						
20 dBm						
		۱ N				
-30 dBm						
40 dBm						
-50 dBm						
60 dBm						
F 849.0 MHz	3	003 pts	3	.0 MHz/		Span 30.0 MF
Result Summary Range Low	Range Up	RBW	Frequen		Power Abs	s 🛛 🗠 🗠
	49.000 MHz	100.000 kHz	842.14436	MHz	3.38 dBn	n -26.62 dB
849.000 MHz 8	50.000 MHz	100.000 kHz	849.00050		-33.44 dBn	
850.000 MHz 8	54.000 MHz	1.000 MHz	850.00699	MHZ	-27.89 dBr	
					Ready	03.07.202 17:41:2



## LTE band 7 LOW BAND EDGE BLOCK-1RB-low\_offset



# HIGH BAND EDGE BLOCK-1RB-high\_offset





#### LOW BAND EDGE BLOCK-20MHz-100%RB

MultiView Specti Ref Level 30.00 dBm Of		lode Auto FFT					SGL Count 10/10
Spurious Emissions							●1 View
Limit Check		PASS					
Line _SPURIOUS_LI	NE_ABS_002	PASS					
20 dBm							
0 dBm							
) dBm							
						1	
10 dBm							
20 dBm							
SPURIOUS_LINE_ABS_002							
		·				1	
30 dBm			1				
		L					
40 dBm							
50 dBm							
So abii							
60 dBm							
F 2.5 GHz		5005 pts		5.0 MHz/		5	pan 50.0 MH:
Result Summary							
Range Low	Range Up	RBW	Freque	PDCV	Power Abs		∆Limit
2.475 GHz	2.490 GHz	1.000 MHz	2.49028		-36.56 dBn		L.56 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49600		-33.70 dBn		0.70 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49900		-32.02 dBn		2.02 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.50000		-31.39 dBn		L.39 dB
2.500 GHz	2.525 GHz	500.000 kHz	2.51750	GHZ	7.14 dBn	<u>ו -2</u> מ	2.86 dB
					Ready		03.07.202

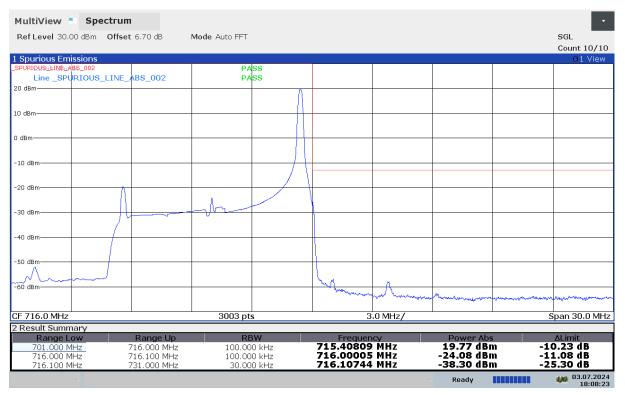
# HIGH BAND EDGE BLOCK-20MHz-100%RB

MultiView = Spect	rum				•
RefLevel 30.00 dBm O	offset 7.00 dB	Mode Auto FFT			SGL Count 10/10
1 Spurious Emissions					o1 View
_SPURIOUS_LINE_ABS_002		PASS			
Line _SPURIOUS_LI	INE_ABS_002	PASS			
20 dBm					
10 dBm					
			<b>λ</b>		
0 dBm					
-10 dBm					
-20 dBm					
-30 dBm					
-40 dBm					
-50 dBm					
-so ubm					
-60 dBm					
CF 2.57 GHz		5005 pts	5.0 MHz	,	Span 50.0 MHz
		5005 pts	5.0 MH2,	/	3part 50.0 MH.
2 Result Summary	Danas Lis	RBW	European a	Davia Al	41 Sun 34
2.545 GHz	Range Up 2.570 GHz	500.000 kHz	Frequency 2.56577 GHz	Power Abs 7.06 dBm	∆Limit -22.94 dB
2.545 GHz	2.570 GHz 2.571 GHz	500.000 kHz	2.57000 GHz	-28.27 dBm	
2.571 GHz	2.575 GHz	1.000 MHz	2.57100 GHz	-27.78 dBm	
2.575 GHz	2.590 GHz	1.000 MHz	2.57501 GHz	-28.82 dBm	-15.82 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59000 GHz	-39.04 dBm	14.04 dB
				- Ready	<b>W</b> 03.07.2024
				Reauy	17:55:5



# LTE band 12 LOW BAND EDGE BLOCK-1RB-low\_offset







#### LOW BAND EDGE BLOCK-10MHz-100%RB

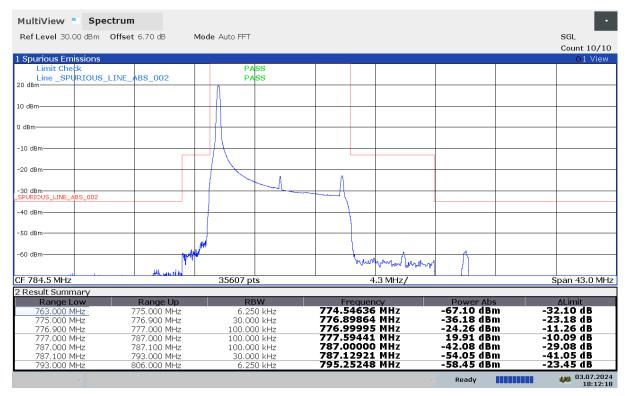
MultiView S Ref Level 30.00 dB	<b>pectrum</b> m <b>Offset</b> 6.70 dB	Mode Auto FFT			SGL Count 10/10
1 Spurious Emission	ns				o1 View
Limit Check	JS_LINE_ABS_002	PASS PASS			
10 dBm					
0 dBm					٦
-10 dBm					
_SPURIOUS_LINE_ABS_00	2				
-20 dBm					
-30 dBm					
-40 dBm					
-50 dBm		- white and the second se			
-60 dBm	and a second with a second a s				
CF 698.0 MHz		3003 pts	3.0 MHz/		Span 30.0 MHz
2 Result Summary					
Range Low 683.000 MHz 697.900 MHz 698.000 MHz	Range Up 697.900 MHz 698.000 MHz 713.000 MHz	RBW 30.000 kHz 100.000 kHz 100.000 kHz	Frequency 697.89256 MHz 697.99995 MHz 706.02448 MHz	Power Abs -45.26 dBm -35.88 dBm 3.18 dBm	∆Limit -32.26 dB -22.88 dB -26.82 dB
~				🔻 Ready	03.07.2024 18:05:49

## HIGH BAND EDGE BLOCK-10MHz-100%RB





# LTE band 13 LOW BAND EDGE BLOCK-1RB-low\_offset



MultiView Spect Ref Level 30.00 dBm C		ode Auto FFT			SGL Count 10/10
1 Spurious Emissions					o1 View
Limit Check		PASS			
Line _SPURIOUS_LI	INE_ABS_002	PASS			
Lo ubiii					
10 dBm			<u> </u>		
IO GDIN					
0 dBm					
-10 dBm					
-20 dBm		0			
-30 dBm		- A - A - A - A - A - A - A - A - A - A			
SPURIOUS_LINE_ABS_002					
-40 dBm					
		1			
-50 dBm					
-60 dBm					
	Alty Alle	AN I	Www.www.www.	AA .	
	A. A.				
CF 784.5 MHz		35607 pts	4.3 MHz/		Span 43.0 MHz
2 Result Summary					
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.19401 MHz	-65.49 dBm	-30.49 dB
775.000 MHz 776.900 MHz	776.900 MHz 777.000 MHz	30.000 kHz 100.000 kHz	776.89864 MHz 776.99995 MHz	-58.60 dBm -41.86 dBm	-45.60 dB -28.86 dB
776.900 MHz	777.000 MHz	100.000 kHz	786.41558 MHz	20.14 dBm	-28.86 dB
787.000 MHz	787.100 MHz	100.000 kHz	787.00000 MHz	-23.86 dBm	-10.86 dB
787.100 MHz	793.000 MHz	30.000 kHz	787.12921 MHz	-40.85 dBm	-27.85 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.12376 MHz	-64.74 dBm	-29.74 dB
~				- Ready	03.07.2024
				Reduy	18:13:3



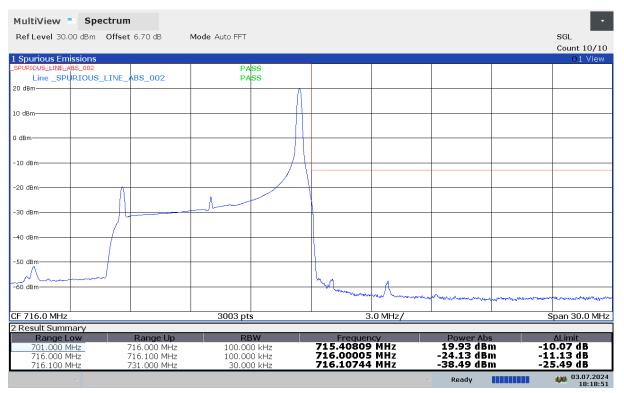
### EDGE BLOCK-10MHz-100%RB

		Mode Auto FFT			SGL Count 10/10 01 View
Limit Check		PASS			011101
	US_LINE_ABS_002	PASS			
20 dBm					
10 dBm					
10 UBM					
0 dBm					
o abiii					
-10 dBm					
10 0000					
-20 dBm					
20 0011					
-30 dBm					
_SPURIOUS_LINE_ABS_0	02				
-40 dBm					
		un he	a n		
-50 dBm		V	Willing register and the second		
	فالمروج والأرار	•	a allowed	กป	
-60 dBm	And the Activity of the second				
	anna water of the the section of the			- Marken	
CF 784.5 MHz	Autor	25603 - 5-			0 40 0 Mil-
		35607 pts	4.3 MHz/		Span 43.0 MHz
2 Result Summary	Danas Lin	RBW	European and	Davies that	ΔLimit
Range Low 763.000 MHz	Range Up 775,000 MHz	6.250 kHz	Frequency 774.92297 MHz	Power Abs -53.50 dBm	-18.50 dB
775.000 MHz	776,900 MHz	30.000 kHz	776.52732 MHz	-42.43 dBm	-29.43 dB
776.900 MHz	777.000 MHz	100.000 kHz	776.99995 MHz	-35.05 dBm	-22.05 dB
777.000 MHz	787.000 MHz	100.000 kHz	784.55744 MHz	3.10 dBm	-26.90 dB
787.000 MHz	787.100 MHz	100.000 kHz	787.00000 MHz	-35.24 dBm	-22.24 dB
787.100 MHz 793.000 MHz	793.000 MHz 806.000 MHz	<u>30.000 kHz</u> 6.250 kHz	787.53812 MHz 793.45050 MHz	-44.52 dBm -58.84 dBm	-31.52 dB -23.84 dB
793.000 MHZ	800.000 MH2	0.230 KHZ	755.45050 MIZ		02.07.2024
~				🗸 Ready 🚺	03.07.2024 18:12:46



# LTE band 17 LOW BAND EDGE BLOCK-1RB-low\_offset

Limit Chelk         PASS         PASS           0 d8m         0	Spectrum           Ref Level 30.00 dBm         Offset 6.70	0 dB Mode Auto FFT						SGL Count 10/1
Line_SPURIOUS_LINE_ABS_002         PASS           0 dBm	Spurious Emissions							o1 Viev
0 dBm 0 dBm dBm dBm dBm dBm dBm 10 dBm 10 dBm 30 dBm 30 dBm 50 dBm								
0 dBm dBm dBm dBm dBm dBm dBm 10 dBm 10 dBm 90 dBm 9		_002 P/	ASS					
dBm	J dBm			Δ				
dBm								
10 dBm SPURIOUS_LINE_ABS_002 20 dBm 40 dBm 40 dBm 50 dBm 50 dBm 50 dBm 50 dBm 50 dBm 60 dBm 703.000 MHz 703.900 MHz 703.900 MHz 703.900 MHz 703.900 MHz 703.900 MHz 703.900 MHz 703.900 MHz 703.900 MHz 703.900 MHz 704.57692 MHz 19.75 dBm -10.25 dBm	J dBm							
10 dBm SPURIOUS_LINE_ABS_002 20 dBm 40 dBm 40 dBm 50 dBm 50 dBm 50 dBm 50 dBm 50 dBm 60 dBm 703.000 MHz 703.900 MHz 703.900 MHz 703.900 MHz 703.900 MHz 703.900 MHz 703.900 MHz 703.900 MHz 703.900 MHz 703.900 MHz 704.57692 MHz 19.75 dBm -10.25 dBm								
10 dBm PURIOUS_LINE_ABS_002 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm 50 dBm 50 dBm 50 dBm 704.00 MHz 703.900 MHz 703.900 MHz 703.900 MHz 703.900 MHz 703.900 MHz 703.900 MHz 704.57692 MHz 19.75 dBm -10.25 dBm	dBase							
PURIOUS_LINE_A65_002 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm 50 dBm 50 dBm 50 dBm 703.900 MHz 703.900 MH	ubm							
PURIOUS_LINE_A65_002 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm 50 dBm 50 dBm 50 dBm 703.900 MHz 703.900 MH								
20 dBm 30 dBm 40 dBm 50 dBm	10 dBm			+				
30 dBm       4 </td <td>PURIOUS_LINE_ABS_002</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	PURIOUS_LINE_ABS_002							
10 dBm     0 dBm	0 dBm							
40 dBm 50 dBm 50 dBm 60 dBm 60 dBm F 704.0 MHz Result Summary Result Summary Result Summary Result Summary 703.900 MHz 703.900 MHz 703.9								
40 dBm 50 dBm 50 dBm 60 dBm 60 dBm F 704.0 MHz Result Summary Result Summary Result Summary Result Summary 703.900 MHz 703.900 MHz 703.9							Λ	
S0 dBm         S0 dBm<	30 dBm						11	
S0 dBm         S0 dBm<							- (	
S0 dBm         Annual Annu	40 dBm							
S0 dBm         Annual Annu								
Sid dBm         Addition         Addition         Span 30.0 MHz           704.00 MHz         3003 pts         3.0 MHz/         Span 30.0 MHz           For Ange Low         Range Up         RBW         Frequency         Power Abs         ALimit           669.000 MHz         703.900 MHz         30.000 kHz         703.89256 MHz         -38.50 dBm         -25.50 dB           703.900 MHz         700.000 kHz         703.9995 MHz         -24.69 dBm         -11.69 dB         -11.69 dB           704.000 MHz         719.000 MHz         100.000 kHz         704.57692 MHz         19.75 dBm         -10.25 dB								
F 704.0 MHz         3003 pts         3.0 MHz/         Span 30.0 MHz           Result Summary         Range Low         Range Up         RBW         Frequency         Power Abs         ALimit           689.000 MHz         703.900 MHz         300,00 KHz         703.89256 MHz         -38.50 dBm         -225.50 dB           703.900 MHz         704.000 MHz         100,000 kHz         703.99995 MHz         -24.69 dBm         -11.69 dB           704.000 MHz         719.000 MHz         100.000 kHz         704.57692 MHz         19.75 dBm         -10.25 dB	jū dBm-							
E 704.0 MHz         3003 pts         3.0 MHz/         Span 30.0 MHz           Result Summary         Range Low         Range Up         RBW         Frequency         Power Abs         ALimit           689.000 MHz         703.900 MHz         300.00 kHz         703.89256 MHz         -38.50 dBm         -225.50 dB           703.900 MHz         703.000 kHz         703.9995 MHz         -24.69 dBm         -11.69 dB         -11.69 dB           704.000 MHz         719.000 MHz         100.000 kHz         704.57692 MHz         19.75 dBm         -10.25 dB		Δ.						$\wedge$
F 704.0 MHz         3003 pts         3.0 MHz/         Span 30.0 M           Result Summary         Range Low         Range Up         RBW         Frequency         Power Abs         ΔLimit           689.000 MHz         703.900 MHz         30.000 kHz         703.89256 MHz         -38.50 dBm         -25.50 dB           703.900 MHz         704.000 MHz         100.000 kHz         703.99995 MHz         -24.69 dBm         -11.69 dB           704.000 MHz         719.000 MHz         100.000 kHz         704.57692 MHz         19.75 dBm         -10.25 dB	i0 dBm		- Come					
Result Summary           Range Low         Range Up         RBW         Frequency         Power Abs         ALimit           689.000 MHz         703.900 MHz         30.000 kHz         703.89256 MHz         -38.50 dBm         -25.50 dB           703.900 MHz         700.000 kHz         703.9995 MHz         -24.69 dBm         -11.69 dB           704.000 MHz         719.000 MHz         100.000 kHz         704.57692 MHz         19.75 dBm         -10.25 dB	and the second started and a second start and the second start and the second start and the second start and the	manager from man her	- work and the					
Result Summary           Range Low         Range Up         RBW         Frequency         Power Abs         ALimit           689.000 MHz         703.900 MHz         30.000 kHz         703.89256 MHz         -38.50 dBm         -25.50 dB           703.900 MHz         700.000 kHz         703.9995 MHz         -24.69 dBm         -11.69 dB           704.000 MHz         719.000 MHz         100.000 kHz         704.57692 MHz         19.75 dBm         -10.25 dB								
Range Low         Range Up         RBW         Frequency         Power Abs         ALimit           669.000 MHz         703.900 MHz         30.000 kHz <b>703.89256 MHz</b> -38.50 dBm         -25.50 dB           703.900 MHz         704.000 MHz         100.000 kHz <b>703.9995 MHz</b> -24.69 dBm         -11.69 dB           704.000 MHz         719.000 MHz         100.000 kHz <b>704.57692 MHz</b> 19.75 dBm         -10.25 dB	F 704.0 MHz	3003 pt	ts	3	.0 MHz/		5	Span 30.0 M
689.000 MHz         703.900 MHz         30.000 kHz <b>703.89256 MHz</b> -38.50 dBm         -25.50 dB           703.900 MHz         704.000 MHz         100.000 kHz <b>703.99995 MHz</b> -24.69 dBm         -11.69 dB           704.000 MHz         719.000 MHz         100.000 kHz <b>704.57692 MHz 19.75 dBm</b> -10.25 dB	Result Summary							
703.900 MHz         704.000 MHz         100.000 kHz         703.99995 MHz         -24.69 dBm         -11.69 dB           704.000 MHz         719.000 MHz         100.000 kHz         704.57692 MHz         19.75 dBm         -10.25 dB	Range Low Rar	nge Up 🔋 🔋 🛛 🖓	BW					ΔLimit
704.000 MHz 719.000 MHz 100.000 kHz 704.57692 MHz 19.75 dBm -10.25 dB								
	/u4.000 MHz 719.0	<u>JUU MHZ 100.00</u>	UU KHZ	704.57692	MMZ	19.72 GBU	1	





## LOW BAND EDGE BLOCK-10MHz-100%RB

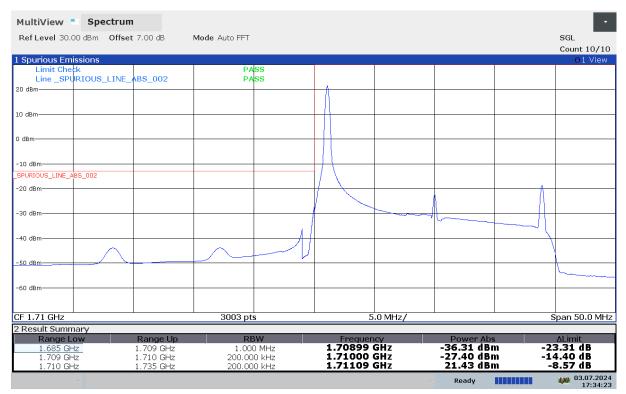
MultiView Spe Ref Level 30.00 dBm	offset 6.70 dB	Mode Auto FFT			SGL Count 10/10
1 Spurious Emissions					01 View
Limit Check Line _SPURIOUS_	LINE_ABS_002	PASS PASS			
20 dBm					
10 dBm					
0 dBm					
-10 dBm					
_SPURIOUS_LINE_ABS_002					
-20 dBm			++		
-30 dBm					
-40 dBm					
			/		
-50 dBm	ur.	walker the second walk			
-68.dBm	and and and a start of the star				
CF 704.0 MHz	1	3003 pts	3.0 MHz/	1	Span 30.0 MHz
2 Result Summary					
Range Low	Range Up	RBW	Frequency	Power Abs	∆Limit
689.000 MHz 703.900 MHz 704.000 MHz	703.900 MHz 704.000 MHz 719.000 MHz	30.000 kHz 100.000 kHz 100.000 kHz	703.89256 MHz 703.99995 MHz 712.36913 MHz	-45.66 dBm -35.99 dBm 3.05 dBm	-32.66 dB -22.99 dB -26.95 dB
704.000 Miliz	719.000 MIDZ	100.000 KHZ		Ready	03.07.2024 18:17:49

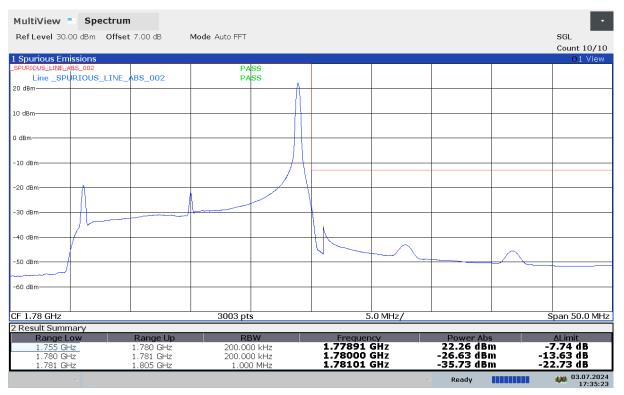
## HIGH BAND EDGE BLOCK-10MHz-100%RB

Multiplication and Description						_
MultiView     Spect       Ref Level 30.00 dBm     C		de Auto FFT				SGL
						Count 10/10
1 Spurious Emissions SPURIOUS LINE ABS 002		PASS				o1 View
Line _SPURIOUS_L	INE ABS 002	PASS				
20 dBm						
10 dBm						
0 dBm			7			
-10 dBm						
-20 dBm						
-30 dBm						
-40 dBm						
			man			
-50 dBm			- manufacture marine	mun way		
-60 dBm				Jungson,	e	
					mannestrum	an with the second of the second s
CF 716.0 MHz		3003 pts	3.0	MHz/	I	Span 30.0 MHz
2 Result Summary						
Range Low 701.000 MHz	Range Up 716.000 MHz	RBW 100.000 kHz	Frequence 713.51998	/ MH7	Power Abs 3.09 dBm	∆Limit -26.91 dB
716.000 MHz	716.000 MHz 716.100 MHz	100.000 kHz 100.000 kHz	716.00005	MHz -	36.46 dBm	-23.46 dB
716.100 MHz	731.000 MHz	30.000 kHz	716.10744	MHz -	46.56 dBm	-33.56 dB
					Ready Ready	03.07.2024 18:18:30



# LTE band 66 LOW BAND EDGE BLOCK-1RB-low\_offset







#### LOW BAND EDGE BLOCK-20MHz-100%RB

MultiView Spectrum				
Ref Level 30.00 dBm Offset 7.00 dB	Mode Auto FFT			SGL
				Count 10/10
1 Spurious Emissions				o1 View
Limit Check	PASS			
Line _SPURIOUS_LINE_ABS_002	PASS			
20 dBm				
10 dBm				
0 dBm				7
-10 dBm				
_SPURIOUS_LINE_ABS_002				
-20 dBm				
-30 dBm	_	/		
-40 dBm				
-40 dBm				
-50 dBm				
-60 dBm				
CF 1.71 GHz	3003 pts	5.0 MHz/		Span 50.0 MHz
2 Result Summary				
Range Low Range Up		Frequency	Power Abs	ΔLimit
1.685 GHz 1.709 GHz 1.710 GHz	1.000 MHz 200.000 kHz	1.70899 GHz 1.71000 GHz	-29.18 dBm -34.19 dBm	-16.18 dB -21.19 dB
1.710 GHz 1.735 GHz	200.000 kHz	1.72842 GHz	3.12 dBm	-26.88 dB
1.700 012	2001000 1112			03.07.2024
*			Ready Ready	17:33:36

## HIGH BAND EDGE BLOCK-20MHz-100%RB

Ref Level 30.00 dBm     Offset 7.00 dB     Mode Auto FFT     SGL Count 10/10       Spurious     The SPURIOUS_LINE_A85_002     PASS     0 1 View       D dBm     D dBm     D dBm     D dBm     D dBm       10 dBm     D dBm     D dBm     D dBm     D dBm       20 dBm     D dBm     D dBm     D dBm     D dBm       10 dBm     D dBm     D dBm     D dBm     D dBm       10 dBm     D dBm     D dBm     D dBm     D dBm       10 dBm     D dBm     D dBm     D dBm     D dBm       10 dBm     D dBm     D dBm     D dBm     D dBm       10 dBm     D dBm     D dBm     D dBm     D dBm       10 dBm     D dBm     D dBm     D dBm     D dBm       10 dBm     D dBm     D dBm     D dBm     D dBm       10 dBm     D dBm     D dBm     D dBm     D dBm       10 dBm     D dBm     D dBm     D dBm     D dBm       10 dBm     D dBm     D dBm     D dBm     D dBm       10 dBm     D dBm     D dBm     D dBm     D dBm       10 dBm     D dBm     D dBm     D dBm     D dBm       10 dBm     D dBm     D dBm     D dBm     D dBm       10 dBm								_
Spurious Emissions         Count 10/10           PURIOUS_LINE_ABS_002         PASS         0.1 View           0 dBm         0         0         0.1 View           0 dBm         0         0         0         0           0 dBm         0         0         0         0         0           0 dBm         0         0         0         0         0         0           0 dBm         0         0         0         0         0         0         0           0 dBm         0 <t< td=""><td>MultiView Spectrum</td><td></td><td></td><td></td><td></td><td></td><td></td><td>•</td></t<>	MultiView Spectrum							•
Spurious Emissions         01 View           PARS02         PASS         01 View           Une_SPURIOUS_LINE_ABS_002         PASS         0           0 d8m         0         0           10 d8m         0         0           20 d8m         0         0           30 d8m         0         0           50 d8m         0         0           1.735 GHz         3003 pts         5.0 MHz/           1.755 GHz         1.780 GHz         200.000 kHz         1.77756 GHz           1.780 GHz         1.780 GHz         200.000 kHz         1.780 GHz           1.780 GHz         1.805 GHz         1.000 MHz         1.7810 GHz           1.781 GHz         1.805 GHz         1	Ref Level 30.00 dBm Offset 7.00	dB Mode Auto FFT						SGL
PPARS         PASS         PASS           Line_SPURIOUS_LINE_ABS_002         PASS         PASS           0 dsm         0         0         0           0 dsm         0         0         0         0           ddm         0         0         0         0         0           ddm         0         0         0         0         0         0           ddm         0         0         0         0         0         0         0           30 d8m         0								Count 10/10
Line_SPURIOUS_LINE_ABS_002         PASS         Image: Control of the second sec		DA	20					o1 View
0 d8m d8m d8m d8m d8m d8m d8m 20 d8m 20 d8m a0 d8m 40 d8m a0 d8m 40 d8m 50 d8m 50 d8m 50 d8m 50 d8m 50 d8m 40 d8m 50 d8m 50 d8m 50 d8m 40 d8m 50 d8m 5								
d8m         d8m <td>20 dBm</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	20 dBm							
d8m         d8m <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
10 dBm     20 dBm       20 dBm     30 dBm       40 dBm     40 dBm       50 dBm     40 dBm       60 dBm     50 dBm       60 dBm     50 dBm       17.75 GHz     3003 pts       50.0 MHz/     Span 50.0 MHz       8 span 50.0 MHz     Span 50.0 MHz       17.75 GHz     1.780 GHz       1.755 GHz     1.780 GHz       1.781 GHz     200.000 kHz       1.781 GHz     1.000 MHz	10 dBm							
10 dBm     20 dBm       20 dBm     30 dBm       40 dBm     40 dBm       50 dBm     40 dBm       60 dBm     50 dBm       60 dBm     50 dBm       17.75 GHz     3003 pts       50.0 MHz/     Span 50.0 MHz       8 span 50.0 MHz     Span 50.0 MHz       17.75 GHz     1.780 GHz       1.755 GHz     1.780 GHz       1.781 GHz     200.000 kHz       1.781 GHz     1.000 MHz								
20 dBm 30 dBm 40 dBm 50 dBm 60 dBm 60 dBm F 1.78 GHz Result Summary Result Summary Result Summary 1.755 GHz 1.780 GHz 1.780 GHz 1.780 GHz 1.781 GHz 1.	0 dBm							
20 dBm 30 dBm 40 dBm 50 dBm 60 dBm 60 dBm F 1.78 GHz Result Summary Result Summary Result Summary 1.755 GHz 1.780 GHz 1.780 GHz 1.780 GHz 1.781 GHz 1.								
30 dBm 40 dBm 50 dBm 50 dBm 50 dBm 50 dBm F 1.78 GHz Result Summary Result Summary Range Up Range Up Rang	-10 dBm							
30 dBm 40 dBm 50 dBm 50 dBm 50 dBm 50 dBm F 1.78 GHz Result Summary Result Summary Range Up Range Up Rang								
A0 dBm         A1 dBm<	-20 dBm							
A0 dBm         A1 dBm<								
S0 dBm         S0 dBm<	-30 dBm			P	_			
S0 dBm         S0 dBm<			N.	]				
60 dBm         3003 pts         5.0 MHz/         Span 50.0 MHz           F 1.78 GHz         3003 pts         5.0 MHz/         Span 50.0 MHz           Result Summary         Range Low         Range Up         RBW         Frequency         Power Abs         ALimit           1.755 GHz         1.780 GHz         200.000 kHz         1.77756 GHz         3.63 dBm         -26.37 dB           1.780 GHz         1.781 GHz         200.000 kHz         1.778000 GHz         -33.70 dBm         -20.70 dB           1.781 GHz         1.805 GHz         1.000 MHz         1.78101 GHz         -29.33 dBm         -16.33 dB <td>-40 dBm</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	-40 dBm							
60 dBm         3003 pts         5.0 MHz/         Span 50.0 MHz           F 1.78 GHz         3003 pts         5.0 MHz/         Span 50.0 MHz           Result Summary         Range Low         Range Up         RBW         Frequency         Power Abs         ALimit           1.755 GHz         1.780 GHz         200.000 kHz         1.77756 GHz         3.63 dBm         -26.37 dB           1.780 GHz         1.781 GHz         200.000 kHz         1.778000 GHz         -33.70 dBm         -20.70 dB           1.781 GHz         1.805 GHz         1.000 MHz         1.78101 GHz         -29.33 dBm         -16.33 dB <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
F 1.78 GHz         3003 pts         5.0 MHz/         Span 50.0 MHz           Result Summary         Range Low         Range Up         RBW         Frequency         Power Abs         ΔLimit           1.755 GHz         1.780 GHz         200.000 kHz         1.77756 GHz         3.63 dBm         -26.37 dB           1.780 GHz         1.781 GHz         200.000 kHz         1.778000 GHz         -33.70 dBm         -20.70 dB           1.781 GHz         1.805 GHz         1.000 MHz         1.78101 GHz         -29.33 dBm         -16.33 dB	-50 dBm							
F 1.78 GHz         3003 pts         5.0 MHz/         Span 50.0 MHz           Result Summary         Range Low         Range Up         RBW         Frequency         Power Abs         ΔLimit           1.755 GHz         1.780 GHz         200.000 kHz         1.77756 GHz         3.63 dBm         -26.37 dB           1.780 GHz         1.781 GHz         200.000 kHz         1.778000 GHz         -33.70 dBm         -20.70 dB           1.781 GHz         1.805 GHz         1.000 MHz         1.78101 GHz         -29.33 dBm         -16.33 dB								
Result Summary         Range Up         RBW         Frequency         Power Abs         ΔLimit           1.755 GHz         1.780 GHz         200.000 kHz         1.77756 GHz         3.63 dBm         -26.37 dB           1.780 GHz         1.781 GHz         200.000 kHz         1.778000 GHz         -33.70 dBm         -26.37 dB           1.780 GHz         1.781 GHz         200.000 kHz         1.78000 GHz         -33.70 dBm         -20.70 dB           1.781 GHz         1.805 GHz         1.000 MHz         1.78101 GHz         -29.33 dB         -16.33 dB	-60 dBm							
Result Summary         Range Up         RBW         Frequency         Power Abs         ΔLimit           1.755 GHz         1.780 GHz         200.000 kHz         1.77756 GHz         3.63 dBm         -26.37 dB           1.780 GHz         1.781 GHz         200.000 kHz         1.778000 GHz         -33.70 dBm         -26.37 dB           1.780 GHz         1.781 GHz         200.000 kHz         1.78000 GHz         -33.70 dBm         -20.70 dB           1.781 GHz         1.805 GHz         1.000 MHz         1.78101 GHz         -29.33 dB         -16.33 dB								
Range Low         Range Up         RBW         Frequency         Power Abs         ALimit           1.755 GHz         1.780 GHz         200.000 kHz         1.77756 GHz         3.63 dBm         -26.37 dB           1.780 GHz         1.781 GHz         200.000 kHz         1.778000 GHz         -33.70 dBm         -26.37 dB           1.780 GHz         1.781 GHz         200.000 kHz         1.78000 GHz         -33.70 dBm         -20.70 dB           1.781 GHz         1.805 GHz         1.000 MHz         1.78101 GHz         -29.33 dBm         -16.33 dB	CF 1.78 GHz	3003 pts		5.	0 MHz/		S	oan 50.0 MHz
1.755 GHz         1.780 GHz         200.000 kHz         1.77756 GHz         3.63 dBm         -26.37 dB           1.780 GHz         1.781 GHz         200.000 kHz         1.78000 GHz         -33.70 dBm         -20.70 dB           1.781 GHz         1.805 GHz         1.000 MHz         1.78101 GHz         -29.33 dBm         -16.33 dB	2 Result Summary				-			
1.780 GHz         1.781 GHz         200,000 kHz         1.78000 GHz         -33.70 dBm         -20.70 dB           1.781 GHz         1.805 GHz         1.000 MHz         1.78101 GHz         -29.33 dBm         -16.33 dB								
1.781 GHz 1.805 GHz 1.000 MHz 1.78101 GHz -29.33 dBm -16.33 dB								
Ready ####################################						-29.33 dBn	n -16	
	7				~	Ready		03.07.2024

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



# A.7 CONDUCTED SPURIOUS EMISSION

### A.7.1 Measurement Method

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

- 1. In measuring unwanted emissions, the spectrum shall be investigated from 30 MHz or the lowest radio frequency signal generated in the equipment, whichever is lower, without going below 9 kHz, up to at least the frequency given below:
  - a) If the equipment operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
  - b) If the equipment operates at or above 10 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
- 2. Determine EUT transmit frequencies: below outlines the band edge frequencies pertinent to conducted emissions testing.

The number of sweep points of spectrum analyzer is greater than 2×span/RBWA. 7.2 A. 7.2 A. 7.2 A. 7.2

## A. 7.2 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(c) specifies On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least  $43 + 10 \log (P) dB$ ; On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least  $43 + 10 \log (P) dB$ ; On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than  $65 + 10 \log (P) dB$  in a 6.25 kHz band segment, for mobile and portable stations; Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed; Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrument instrumentation bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

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 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.

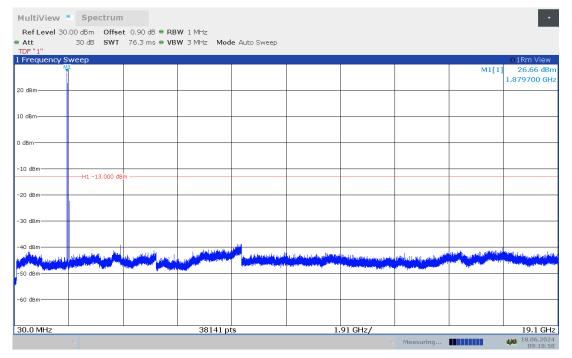
# A. 7.3 Measurement result

### Only worst case result is given below

## LTE band 2 : 30MHz – 19.1GHz

Spurious emission limit –13dBm.

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

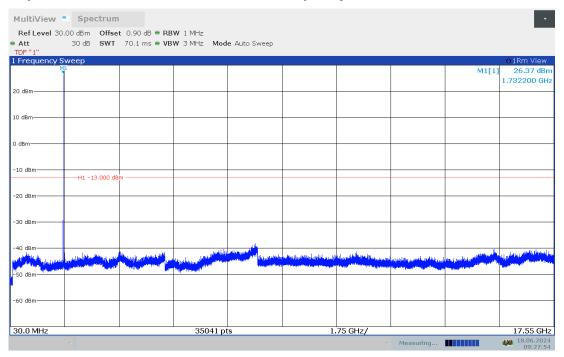




# LTE band 4 : 30MHz – 17.55GHz

Spurious emission limit -13dBm.

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



### LTE band 5 20MHz QPSK: 30MHz – 8.49GHz

Spurious emission limit -25dBm.

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

