



#### n66,15MHz(-26dBc)

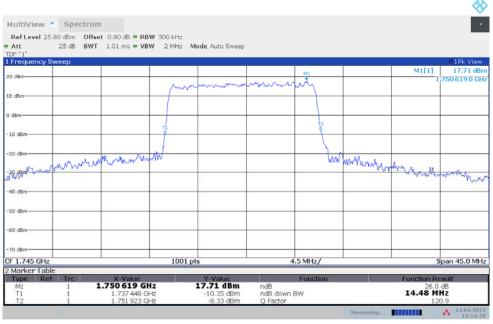
	Emission Bandwidth (-26dBc) (MHz)	
Frequency (MHz)	DFT-s-pi/2 BPSK	DFT-s-QPSK
1745	14.476	14.476

## n66,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



19:14:11 14.04.2022

# n66,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



19:14:29 14.04.2022





#### n66,20MHz(-26dBc)

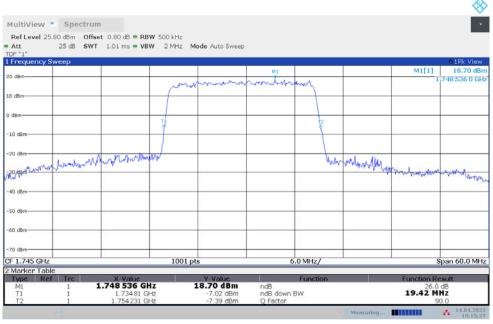
	Emission Bandwidth (-26dBc) (MHz)	
Frequency (MHz)	DFT-s-pi/2 BPSK	DFT-s-QPSK
1745	19.301	19.421

## n66,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



19:15:10 14.04.2022

# n66,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



19:15:28 14.04.2022





#### n66,25MHz(-26dBc)

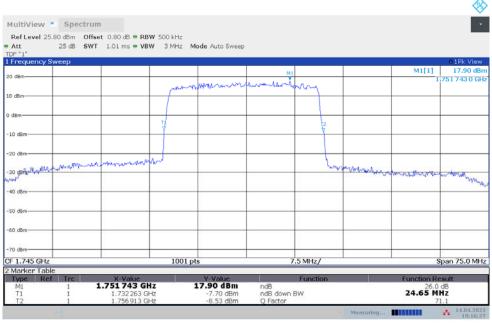
	Emission Bandwidth (-26dBc) (MHz)	
Frequency (MHz)	DFT-s-pi/2 BPSK	DFT-s-QPSK
1745	24.426	24.650

## n66,25MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



19:16:10 14.04.2022

# n66,25MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



19:16:27 14.04.2022





#### n66,30MHz(-26dBc)

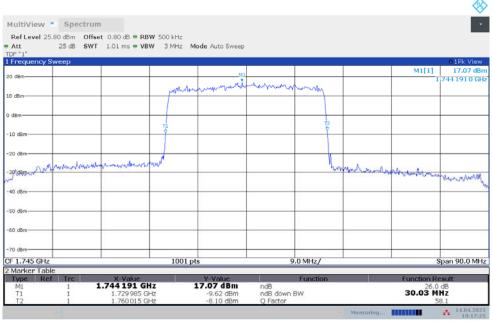
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1745	29.940	30.030

## n66,30MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



19:17:08 14.04.2022

# n66,30MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



19:17:25 14.04.2022

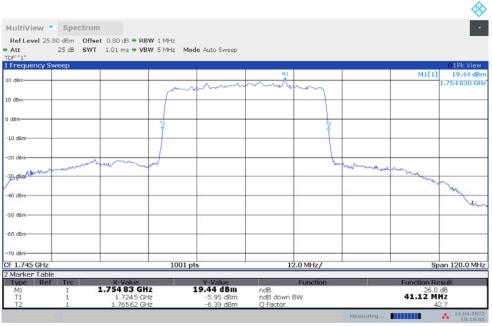




#### n66,40MHz(-26dBc)

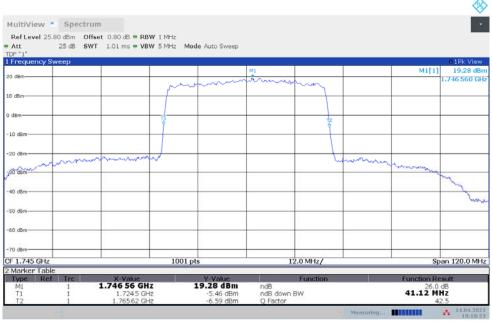
	Emission Bandwidth (-26dBc) (MHz)	
Frequency (MHz)	DFT-s-pi/2 BPSK	DFT-s-QPSK
1745	41.120	41.120

## n66,40MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



19:18:06 14.04.2022

# n66,40MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



19:18:23 14.04.2022





# n71 n71,5MHz(-26dBc)

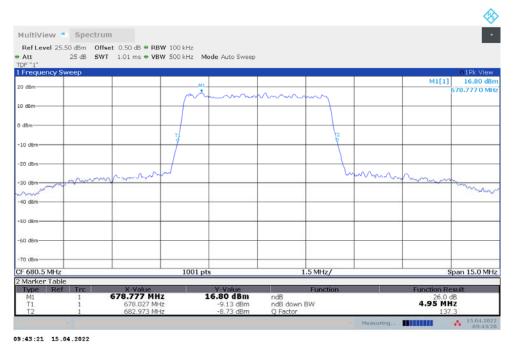
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
680.5	4.900	4.945

# n71,5MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



09:43:03 15.04.2022

# n71,5MHz Bandwidth,DFT-s-QPSK (-26dBc BW)







#### n71,10MHz(-26dBc)

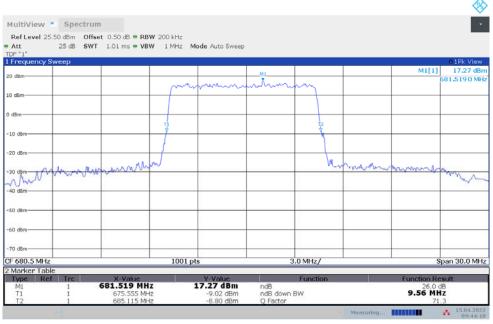
	Emission Bandwidth (-26dBc) (MHz)	
Frequency (MHz)	DFT-s-pi/2 BPSK	DFT-s-QPSK
680.5	9.740	9.560

# n71,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



09:44:01 15.04.2022

# n71,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



09:44:19 15.04.2022

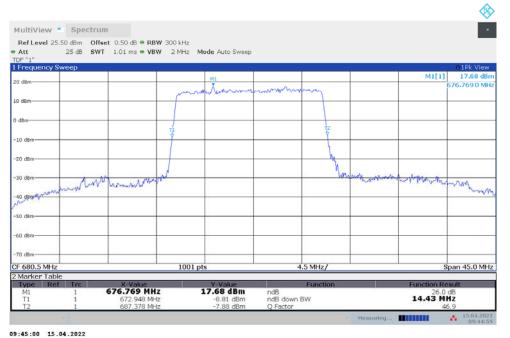




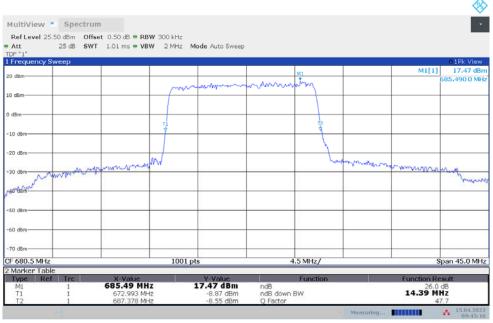
#### n71,15MHz(-26dBc)

	Emission Bandwidth (-26dBc) (MHz)	
Frequency (MHz)	DFT-s-pi/2 BPSK	DFT-s-QPSK
680.5	14.431	14.386

## n71,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



# n71,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



09:45:17 15.04.2022

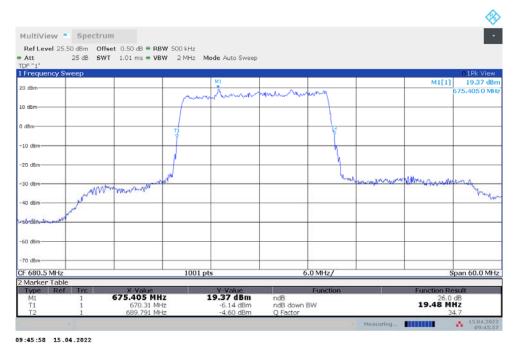




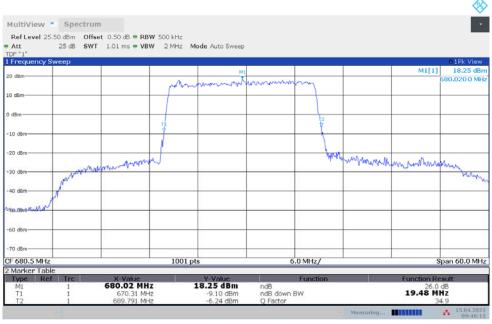
#### n71,20MHz(-26dBc)

	Emission Bandwidth (-26dBc) (MHz)	
Frequency (MHz)	DFT-s-pi/2 BPSK	DFT-s-QPSK
680.5	19.481	19.481

## n71,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



# n71,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



09:46:16 15.04.2022



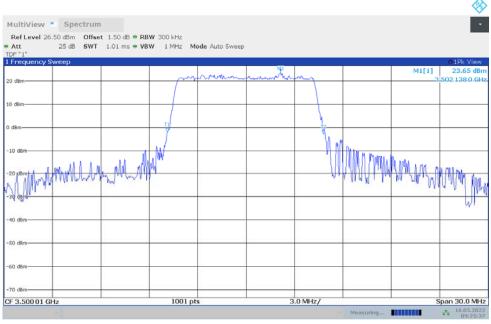


# n77L

n77L,10MHz(-26dBc)

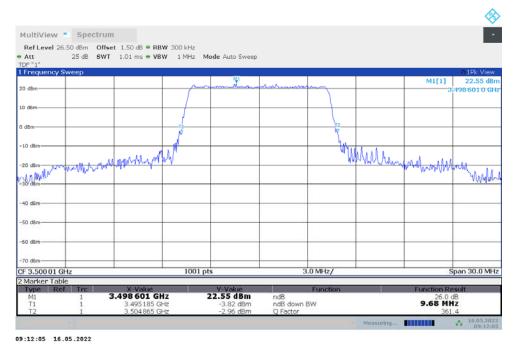
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	9.680	9.680

# n77L,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



09:25:37 16.05.2022

# n77L,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



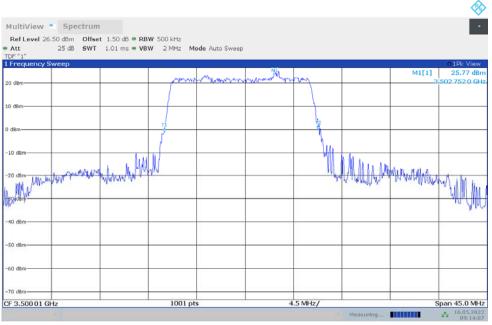




#### n77L,15MHz(-26dBc)

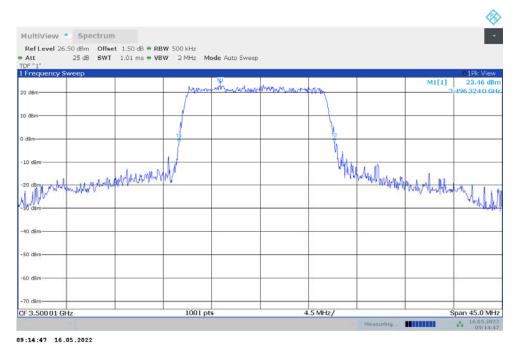
	Emission Bandwidth (-26dBc) (MHz)	
Frequency (MHz)	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	14.296	14.476

# n77L,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



09:14:08 16.05.2022

# n77L,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



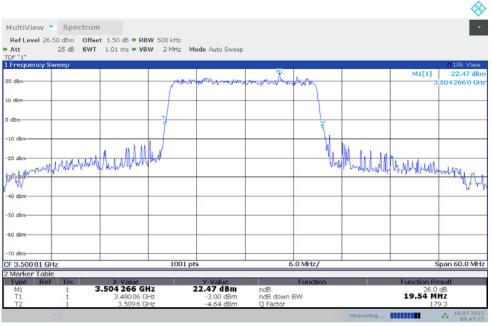




#### n77L,20MHz(-26dBc)

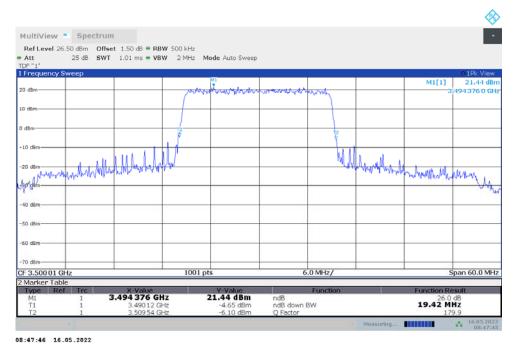
	Emission Bandwidth (-26dBc) (MHz)	
Frequency (MHz)	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	19.540	19.421

# n77L,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



08:47:28 16.05.2022

# n77L,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



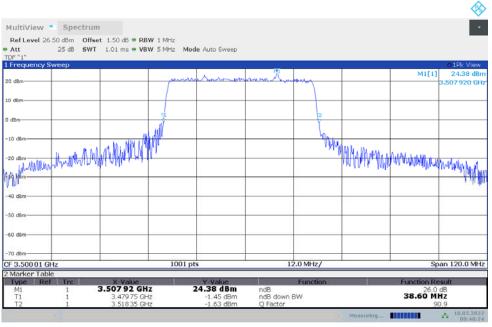




#### n77L,40MHz(-26dBc)

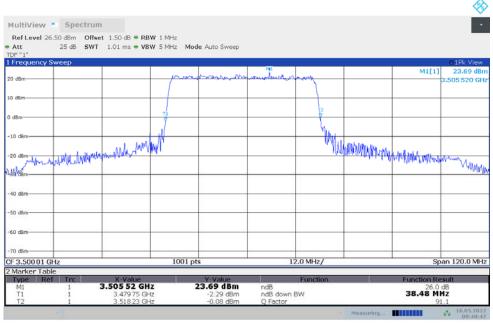
	Emission Bandwidth (-26dBc) (MHz)	
Frequency (MHz)	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	38.600	38.480

# n77L,40MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



08:48:25 16.05.2022

# n77L,40MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



08:48:43 16.05.2022

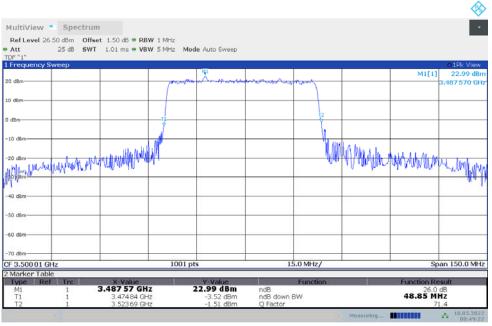




#### n77L,50MHz(-26dBc)

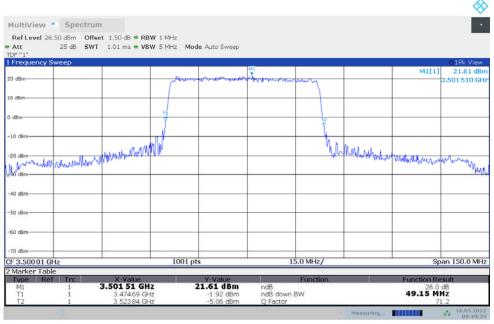
	Emission Bandwidth (-26dBc) (MHz)	
Frequency (MHz)	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	48.850	49.150

# n77L,50MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



08:49:22 16.05.2022

# n77L,50MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



08:49:39 16.05.2022

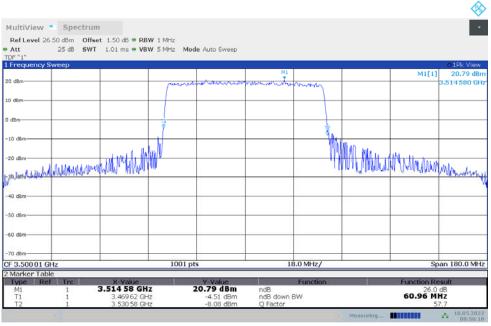




#### n77L,60MHz(-26dBc)

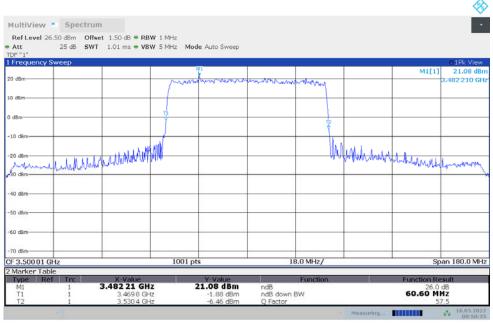
	Emission Bandwidth (-26dBc) (MHz)	
Frequency (MHz)	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	60.960	60.600

# n77L,60MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



08:50:18 16.05.2022

# n77L,60MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



08:50:35 16.05.2022

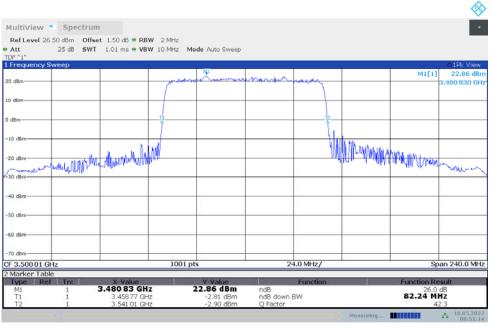




#### n77L,80MHz(-26dBc)

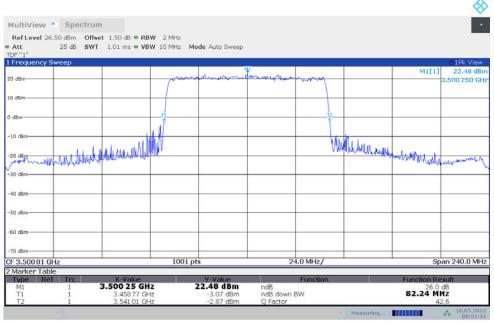
	Emission Bandwidth (-26dBc) (MHz)	
Frequency (MHz)	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	82.240	82.240

# n77L,80MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



08:51:14 16.05.2022

# n77L,80MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



08:51:31 16.05.2022

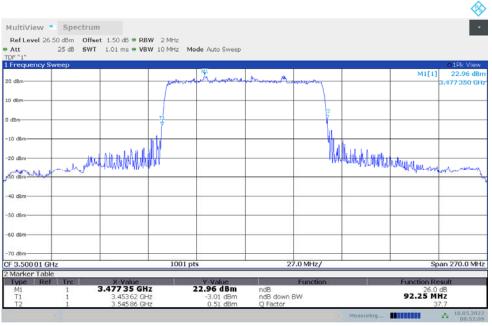




#### n77L,90MHz(-26dBc)

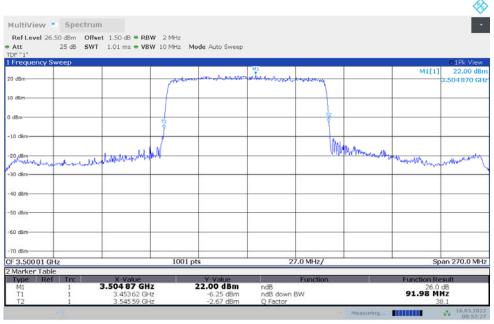
	Emission Bandwidth (-26dBc) (MHz)	
Frequency (MHz)	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	92.250	91.980

## n77L,90MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



08:52:10 16.05.2022

# n77L,90MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



08:52:27 16.05.2022

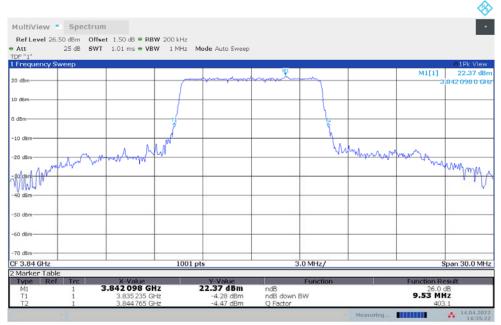




# n77H n77H,10MHz(-26dBc)

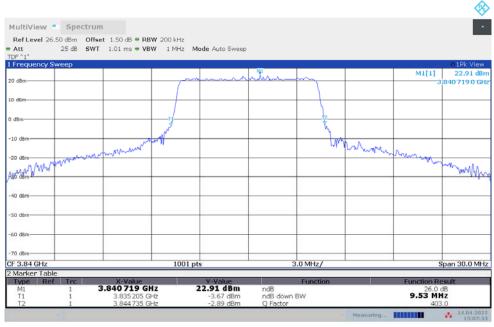
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	9.530	9.530

# n77H,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



14:35:23 14.04.2022

# n77H,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



15:07:33 14.04.2022

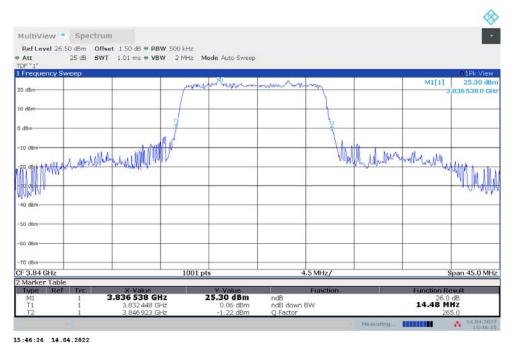




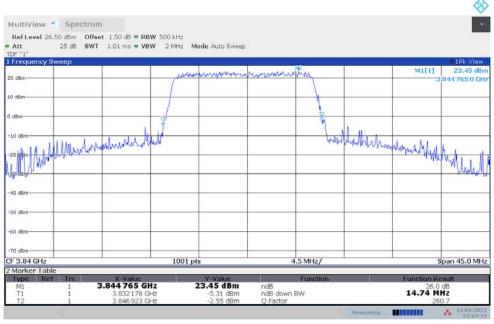
#### n77H,15MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	14.476	14.745

# n77H,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



# n77H,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



15:47:20 14.04.2022

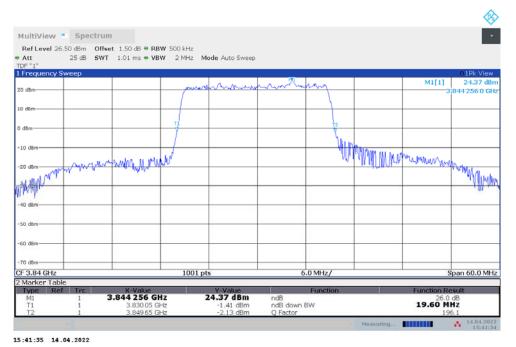




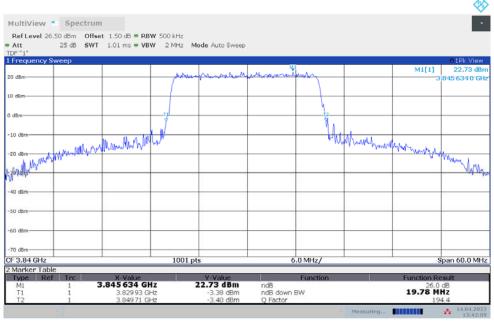
#### n77H,20MHz(-26dBc)

	Emission Bandwidth (-26dBc) (MHz)	
Frequency (MHz)	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	19.600	19.780

## n77H,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



# n77H,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



15:42:10 14.04.2022

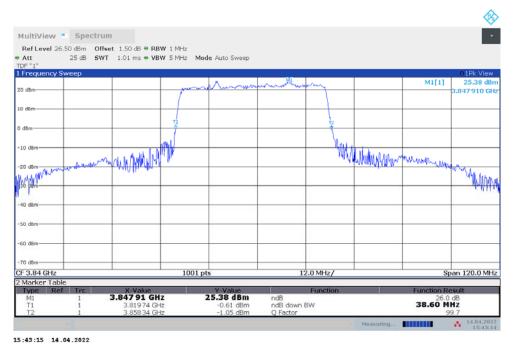




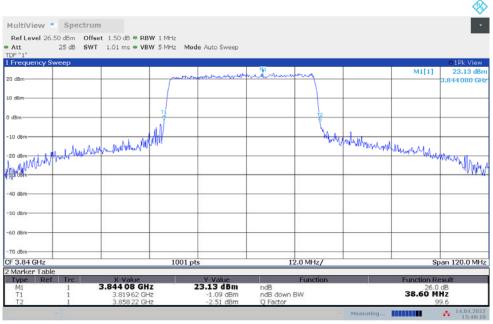
#### n77H,40MHz(-26dBc)

	Emission Bandwidth (-26dBc) (MHz)	
Frequency (MHz)	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	38.600	38.600

## n77H,40MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



# n77H,40MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



15:48:11 14.04.2022

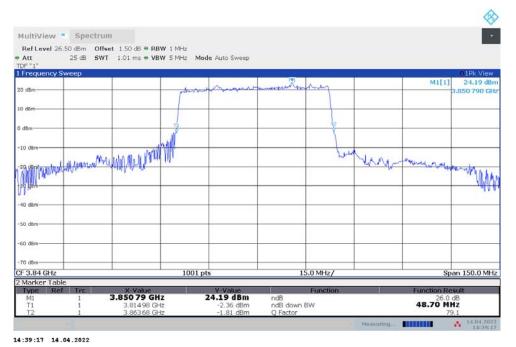




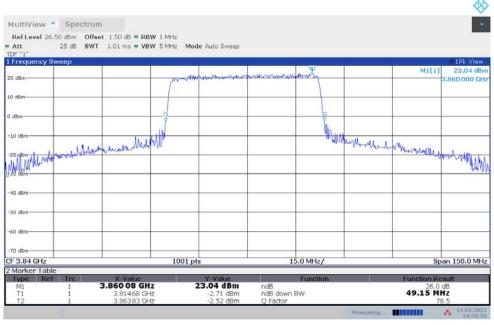
#### n77H,50MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	48.700	49.150

## n77H,50MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



# n77H,50MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



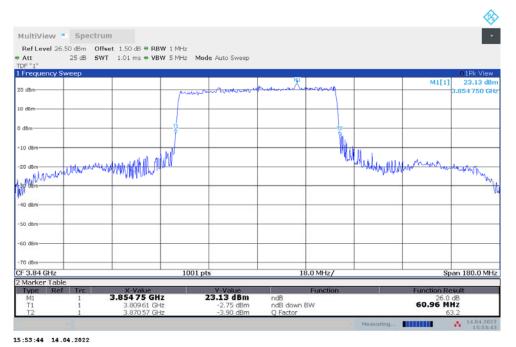




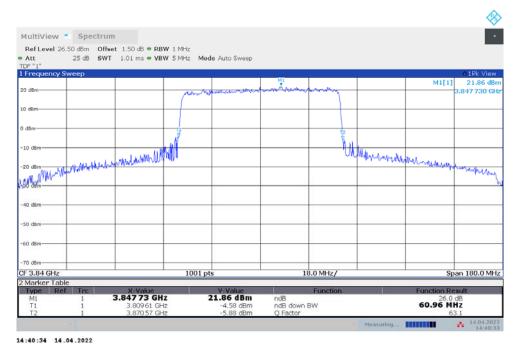
#### n77H,60MHz(-26dBc)

	Emission Bandwidth (-26dBc) (MHz)	
Frequency (MHz)	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	60.960	60.960

## n77H,60MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



# n77H,60MHz Bandwidth,DFT-s-QPSK (-26dBc BW)







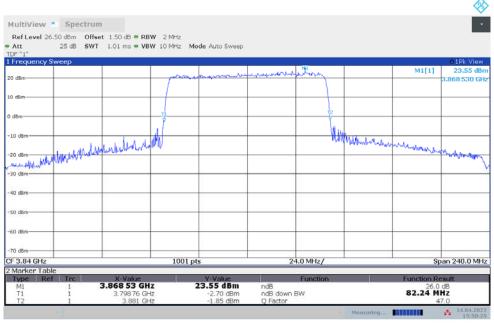
#### n77H,80MHz(-26dBc)

	Emission Bandwidth (-26dBc) (MHz)	
Frequency (MHz)	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	82.000	82.240

## n77H,80MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



# n77H,80MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



15:50:25 14.04.2022

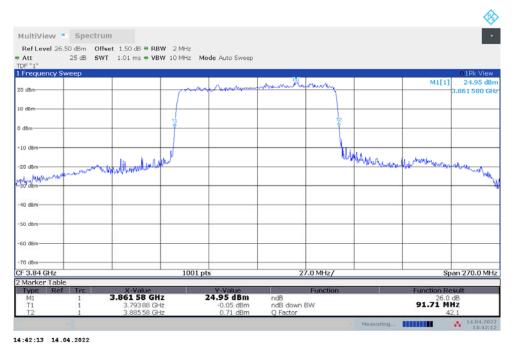




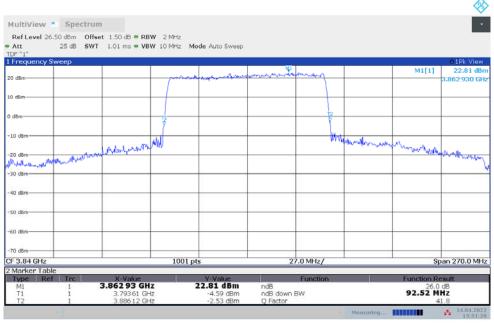
#### n77H,90MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	
3840	91.710	92.520	

# n77H,90MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



# n77H,90MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



15:51:21 14.04.2022





#### n77H,100MHz(-26dBc)

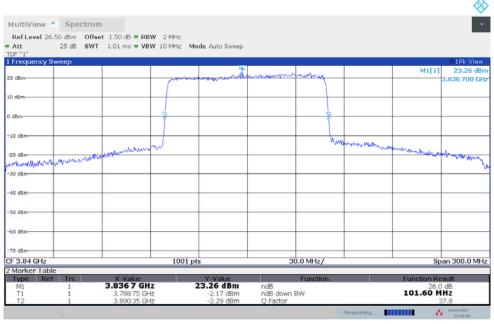
	Emission Bandwidth (-26dBc) (MHz)			
Frequency (MHz)	DFT-s-pi/2 BPSK	DFT-s-QPSK		
3840	101.600	101.600		

## n77H,100MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



17:35:37 14.04.2022

# n77H,100MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



17:35:55 14.04.2022





# A.6 Band Edge Compliance

## A.6.1 Measurement limit

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 + 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(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(n) states for mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed –13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz 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, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

Part 27.53(I) states for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

Compliance with this paragraph (I)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall





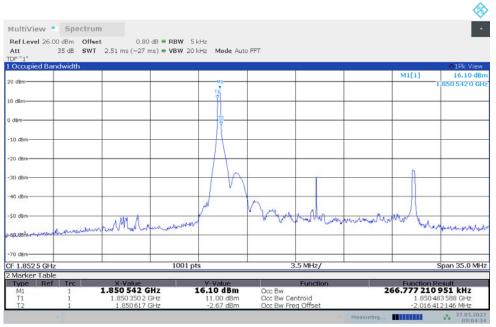
be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.





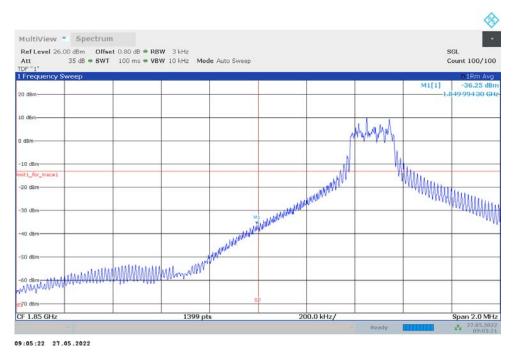
# A.6.2 Measurement result NR n2

# OBW: 1RB-LOW\_offset



09:04:35 27.05.2022

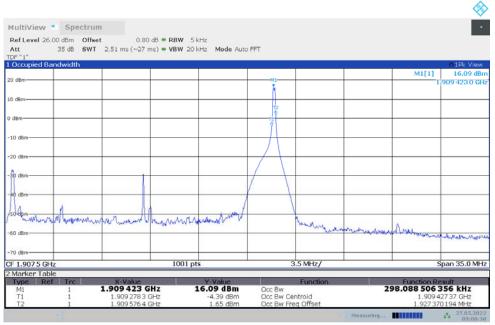
# LOW BAND EDGE BLOCK-1RB-LOW\_offset





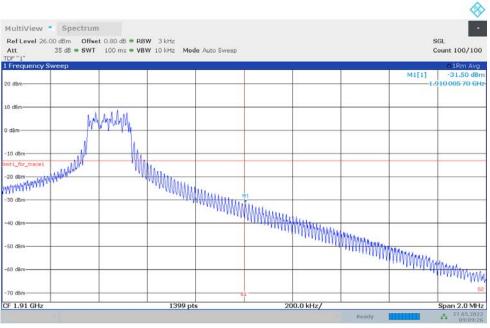


# OBW: 1RB-HIGH\_offset



09:08:39 27.05.2022

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

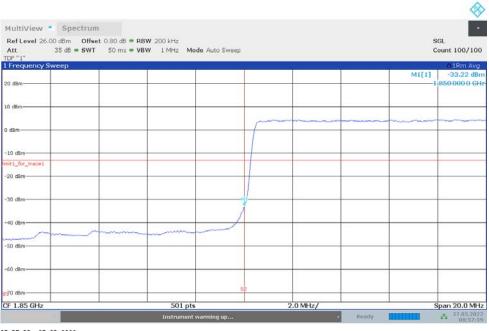


09:09:27 27.05.2022



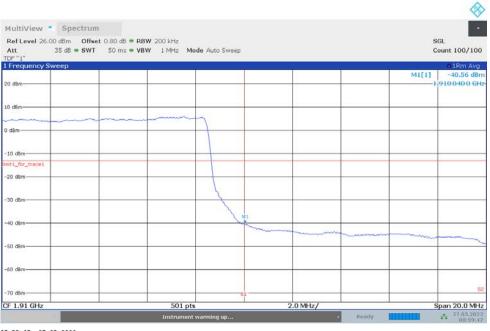


# LOW BAND EDGE BLOCK-20M-100%RB



08:57:59 27.05.2022

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

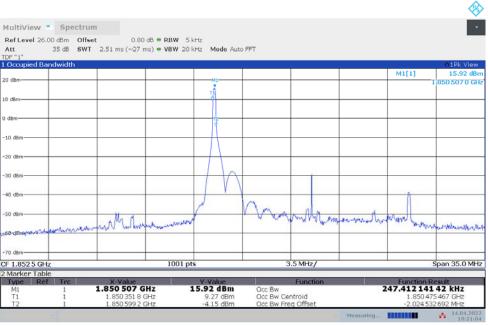


08:59:43 27.05.2022



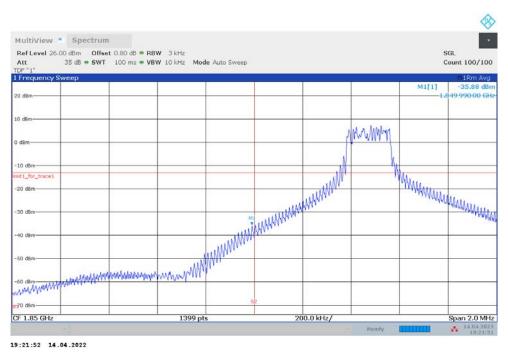


# NR n25 OBW: 1RB-LOW\_offset



19:21:05 14.04.2022

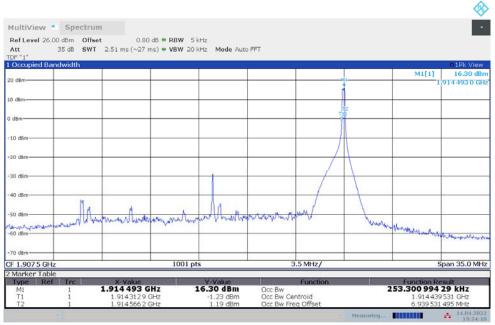
# LOW BAND EDGE BLOCK-1RB-LOW\_offset





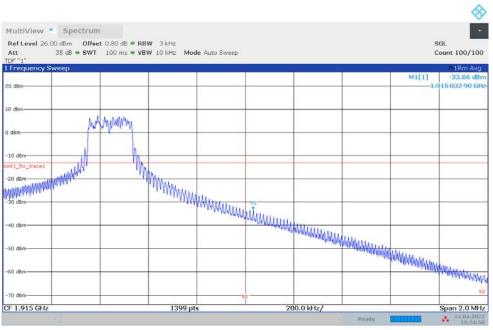


# OBW: 1RB-HIGH\_offset



19:24:11 14.04.2022

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

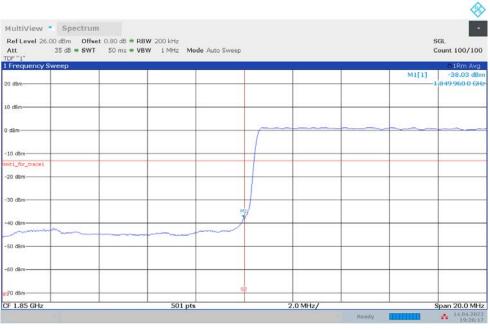


19:24:59 14.04.2022



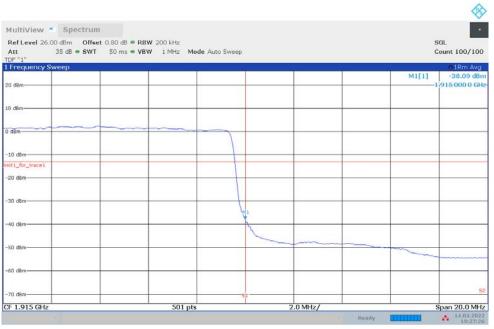


# LOW BAND EDGE BLOCK-40M-100%RB



19:26:18 14.04.2022

## HIGH BAND EDGE BLOCK-40M-100%RB



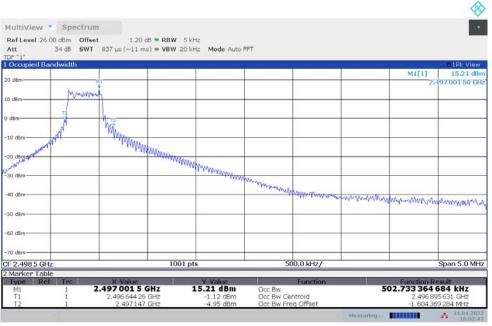
19:27:27 14.04.2022





# NR n41

# OBW: 1RB-LOW\_offset



18:02:43 14.04.2022

# LOW BAND EDGE BLOCK-1RB-LOW\_offset

MultiView Spectrum				
Att 27 dB • SWT	8.20 dB = RBW 20 kHz 3 s = VBW 100 kHz Mode Auto Sw	70.00		
DF "1"	55 WEW TOOKH2 MODE ALLO SH	eep		
Frequency Sweep			M1[1]	01Rm View -27.20 dB
) d8m				.495 987 00 G
) dBm				
dBm				
.0 dBm				
it1_for_trace1				
20 dBm				
0 dBm			a marine	amount
			man	
0 dBm		monorman		
and a second	mandana			
0 dBm				-
0 dBm				
0 dBm				
.495 GHz	501 pts	100.0 kHz/		2.496 G

18:03:23 14.04.2022



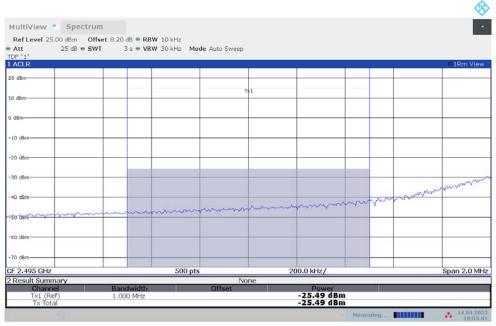


## LOW BAND EDGE BLOCK-1RB-LOW\_offset

									- 🗞
MultiView	Spectrum								
Ref Level 26.0 Att TDF "1"		t 8.20 dB ● RBV 3 s ● VBV		Auto Sweep					
1 Frequency S	weep								01Rm View
20 d8m								M1[1]	-12.64 dBm 495 000 0 GHz
10 dBm									
0 dBm									
-10 dBm									- M1
	F			1					- /
-20 dBm									and
-30 dBm	www	www.ww	ANW ~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	MMMMM	AMAMAL.	
-40 dBm			1.1.10						-
-50 dBm									
-60 dBm									
-70 dBm									
2.489 5 GHz			501 pts		55	50.0 kHz/		CANADA CONTRACTOR	2.495 GHz
	10					07	Measuring		* 14.04.2022 18:04:03

18:04:04 14.04.2022

# **Channal Power**



18:05:01 14.04.2022



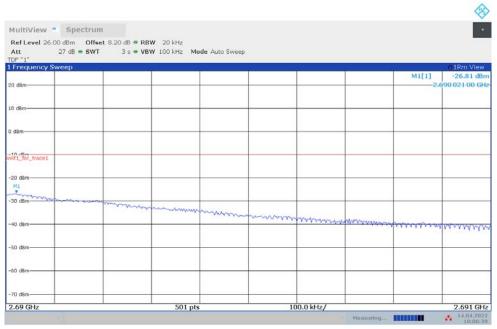


# OBW: 1RB-HIGH\_offset



18:05:59 14.04.2022

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

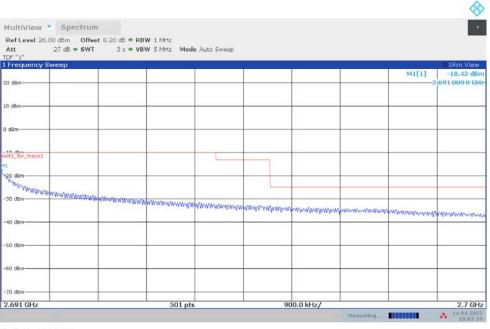


18:06:39 14.04.2022



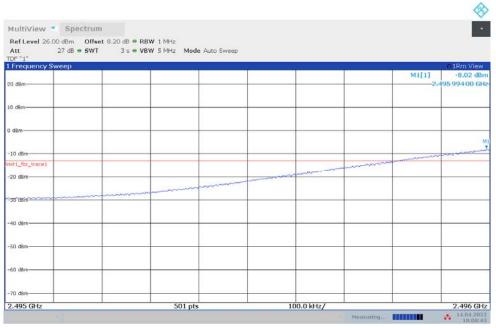


## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



18:07:19 14.04.2022

# LOW BAND EDGE BLOCK-100M-100%RB

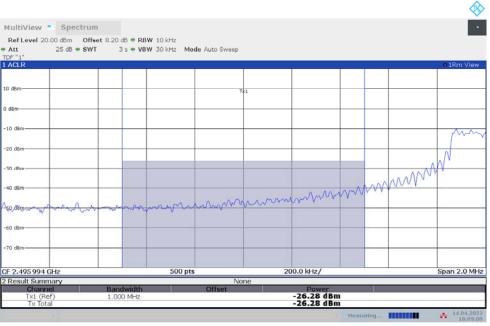


18:08:43 14.04.2022



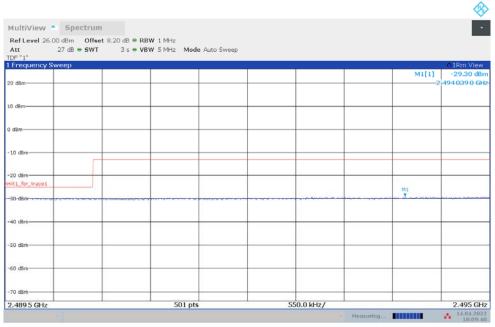


# **Channal Power**



18:09:00 14.04.2022

# LOW BAND EDGE BLOCK-100M-100%RB

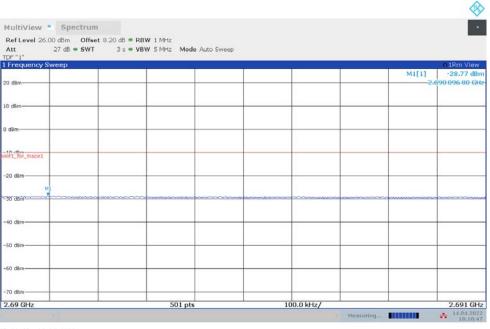


18:09:41 14.04.2022



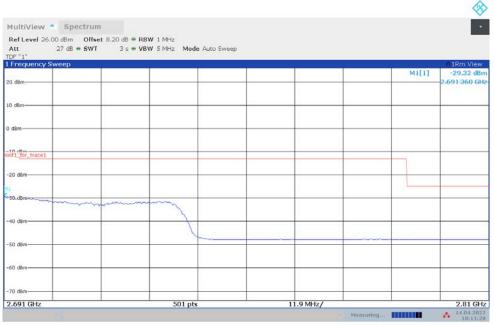


## HIGH BAND EDGE BLOCK-100M-100%RB



18:10:48 14.04.2022

# HIGH BAND EDGE BLOCK-100M-100%RB



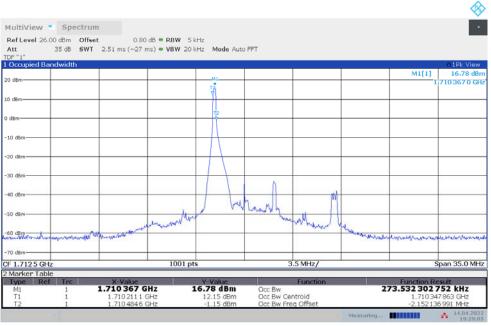
18:11:28 14.04.2022





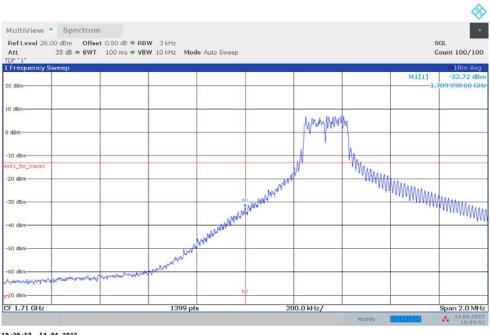
#### NR n66

#### OBW: 1RB-LOW\_offset



19:29:06 14.04.2022

# LOW BAND EDGE BLOCK-1RB-LOW\_offset

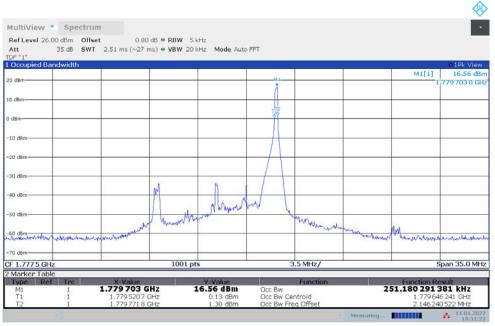


19:29:53 14.04.2022



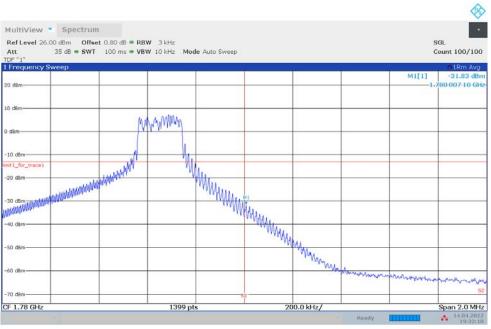


# OBW: 1RB-HIGH\_offset



19:31:23 14.04.2022

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

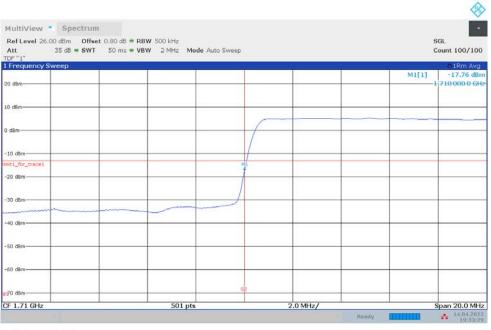


19:32:10 14.04.2022



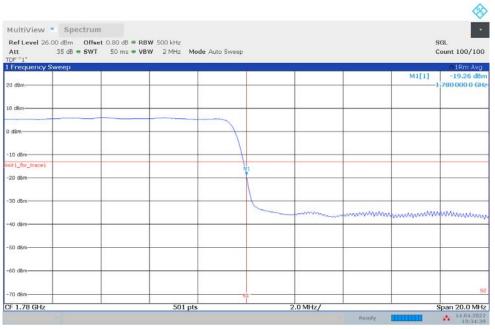


# LOW BAND EDGE BLOCK-40M-100%RB



19:33:30 14.04.2022

## HIGH BAND EDGE BLOCK-40M-100%RB

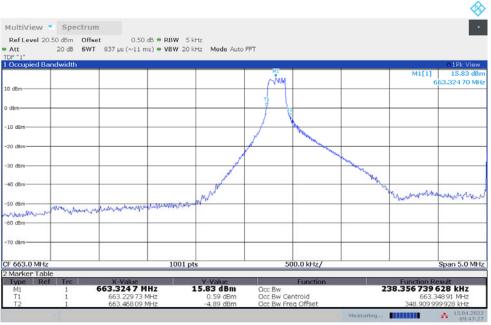


19:34:39 14.04.2022



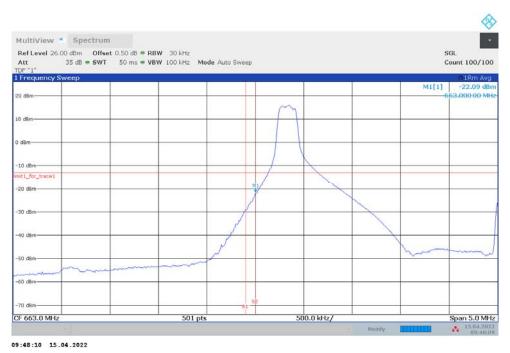


# NR n71 OBW: 1RB-LOW\_offset



09:47:28 15.04.2022

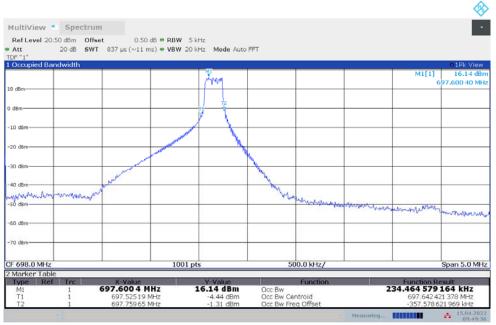
# LOW BAND EDGE BLOCK-1RB-LOW\_offset





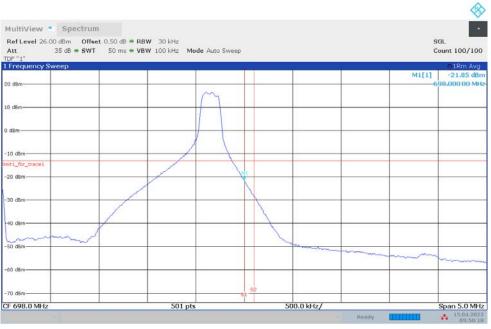


# OBW: 1RB-HIGH\_offset



09:49:36 15.04.2022

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

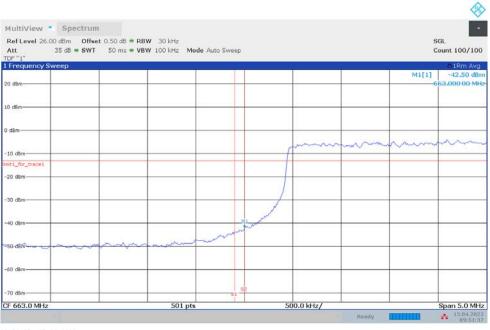


09:50:18 15.04.2022



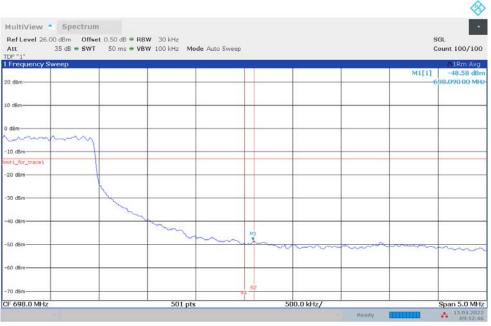


# LOW BAND EDGE BLOCK-20M-100%RB



09:51:37 15.04.2022

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

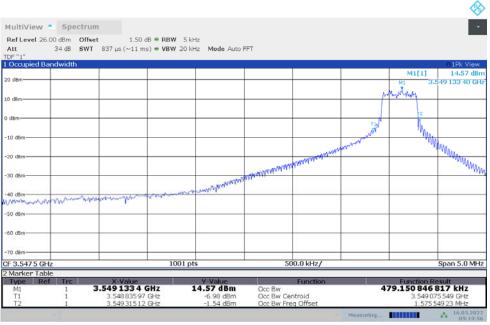


09:52:46 15.04.2022



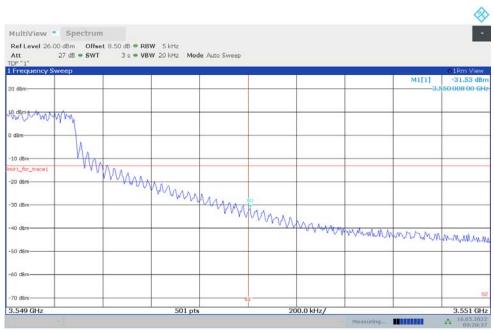


# NR n77L OBW: 1RB-HIGH\_offset



09:19:57 16.05.2022

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



09:20:38 16.05.2022