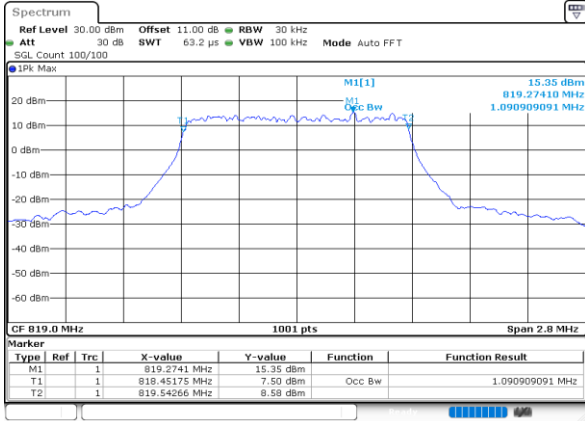




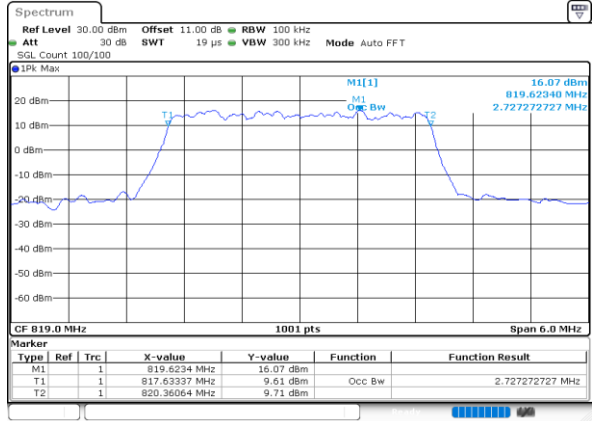
LTE Band 26

Middle Channel / 1.4MHz / 64QAM



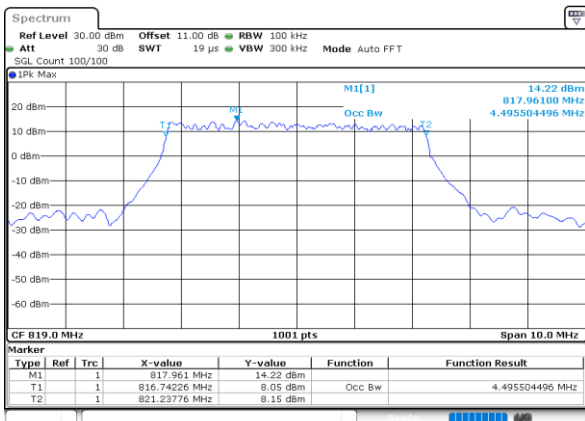
Date: 15.MAR.2023 22:50:10

Middle Channel / 3MHz / 64QAM



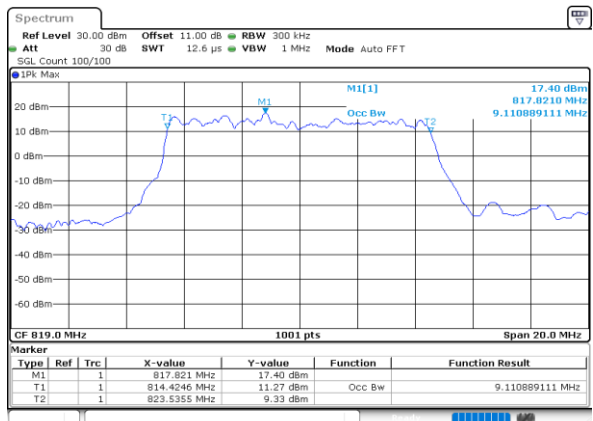
Date: 15.MAR.2023 23:07:12

Middle Channel / 5MHz / 64QAM



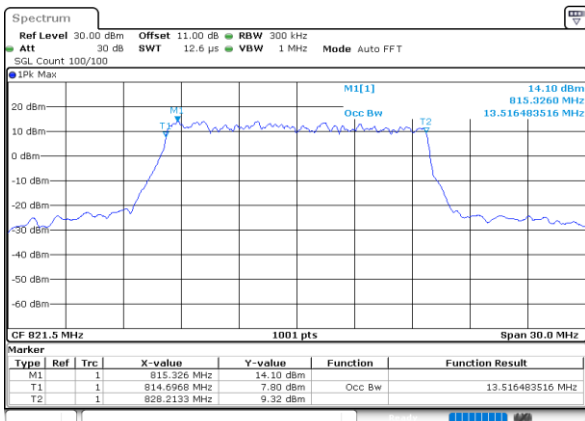
Date: 15.MAR.2023 23:19:30

Middle Channel / 10MHz / 64QAM



Date: 15.MAR.2023 23:27:46

Low Channel / 5MHz / 64QAM

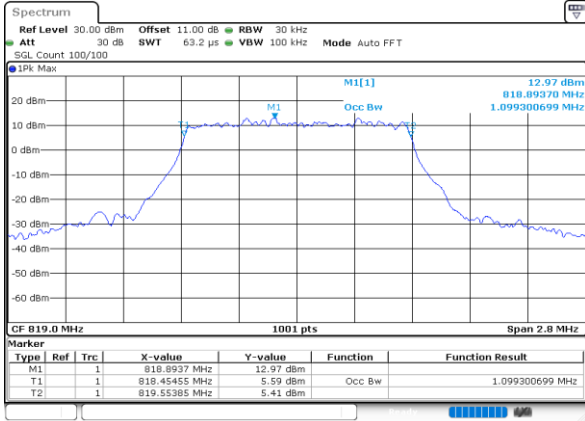


Date: 15.MAR.2023 23:38:53



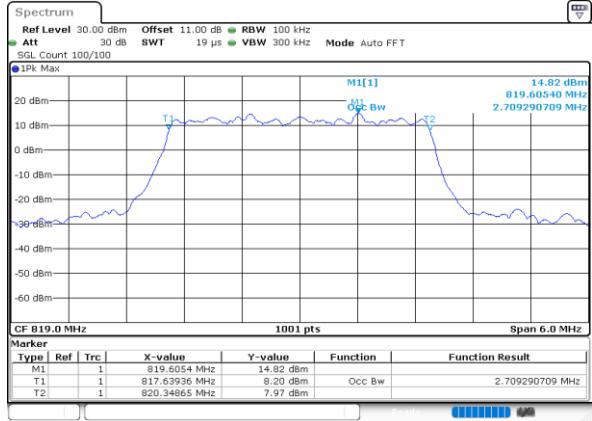
LTE Band 26

Middle Channel / 1.4MHz / 256QAM



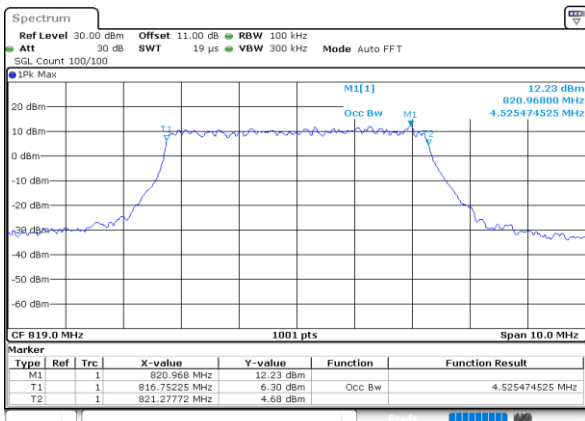
Date: 15.MAR.2023 23:40:57

Middle Channel / 3MHz / 256QAM



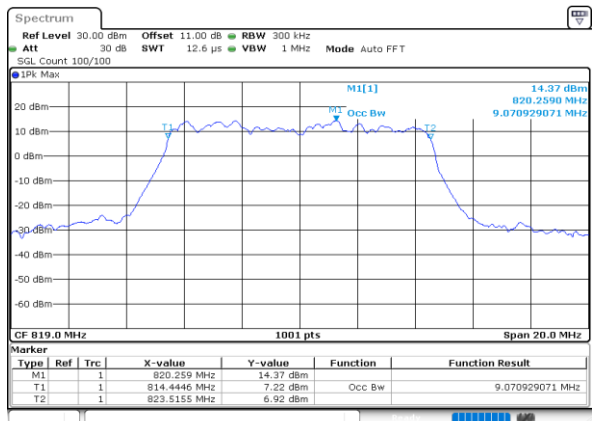
Date: 15.MAR.2023 23:45:23

Middle Channel / 5MHz / 256QAM



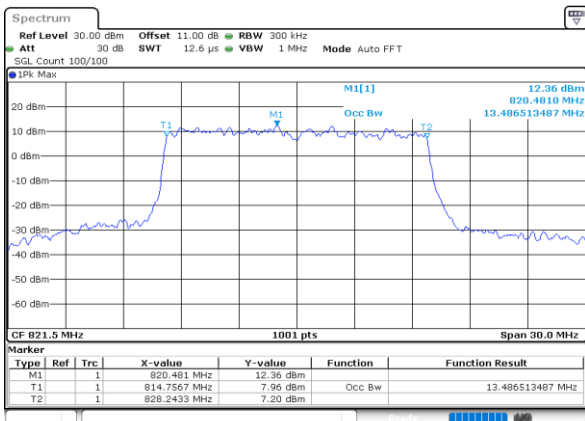
Date: 15.MAR.2023 23:47:59

Middle Channel / 10MHz / 256QAM



Date: 15.MAR.2023 23:50:31

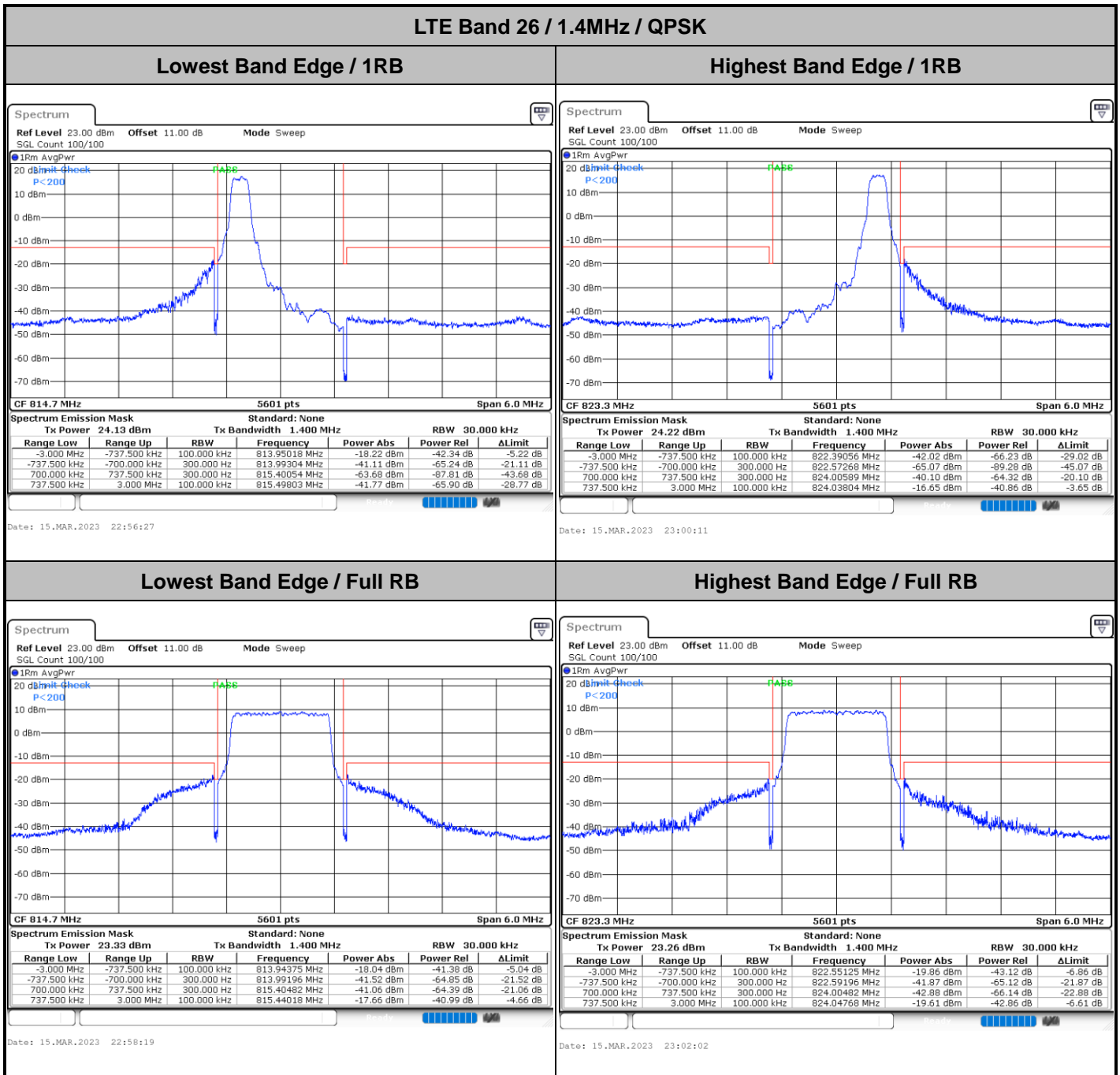
Low Channel / 15MHz / 256QAM



Date: 15.MAR.2023 23:52:41



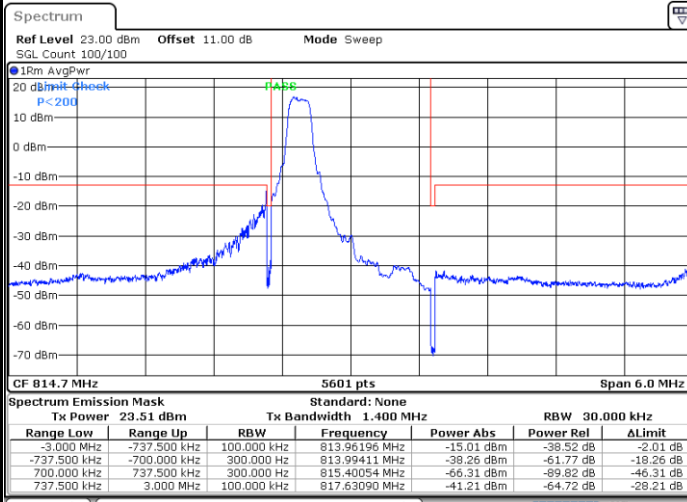
# Emission masks – In-band emissions





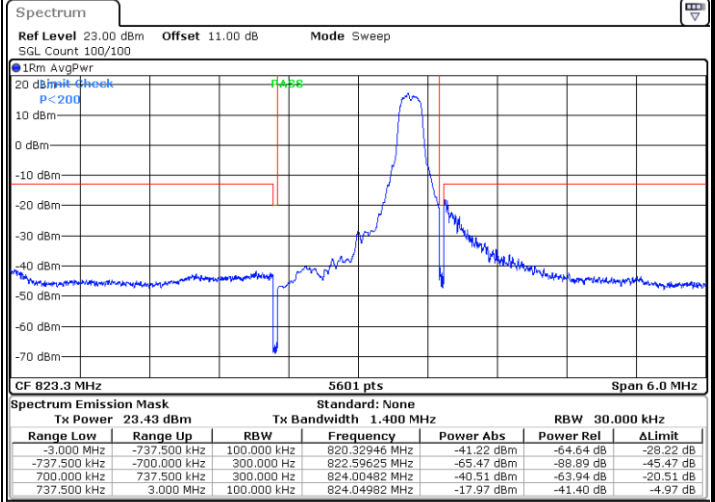
LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



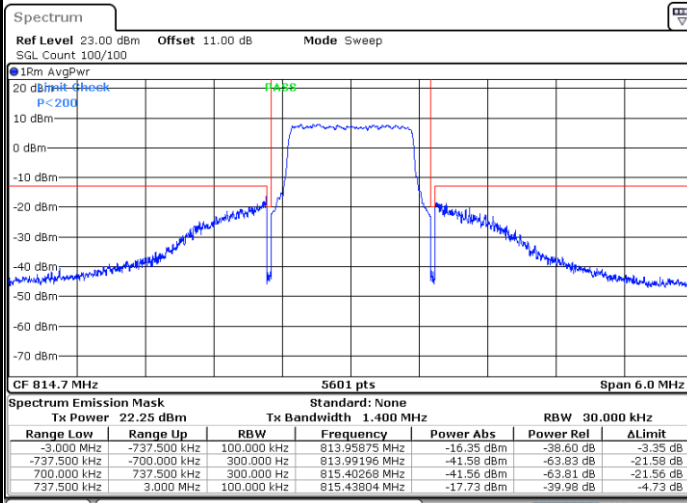
Date: 15.MAR.2023 22:57:23

Highest Band Edge / 1 RB



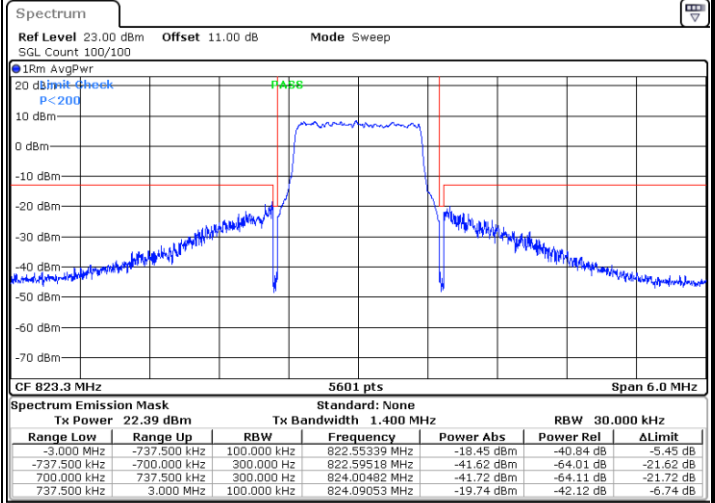
Date: 15.MAR.2023 23:01:06

Lowest Band Edge / Full RB



Date: 15.MAR.2023 22:59:15

Highest Band Edge / Full RB



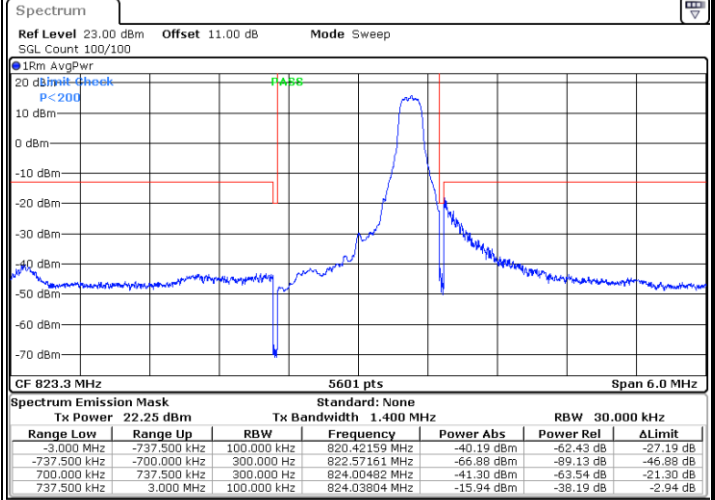
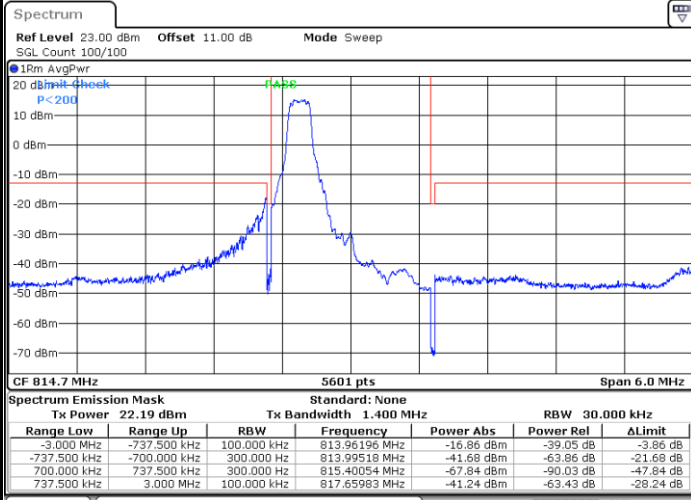
Date: 15.MAR.2023 23:02:58



LTE Band 26 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

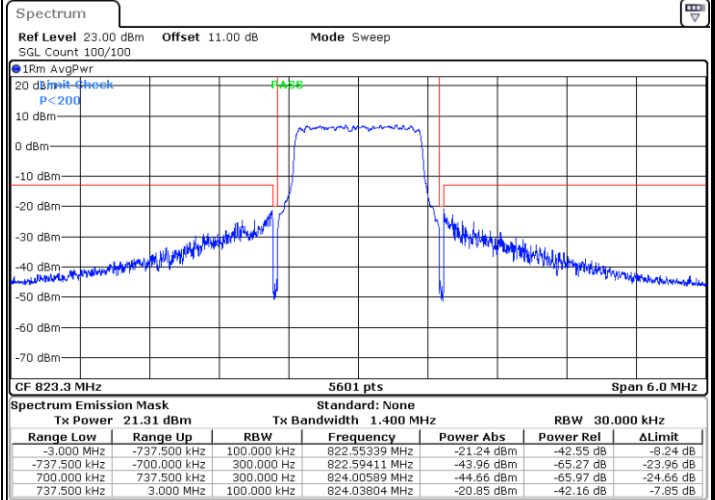
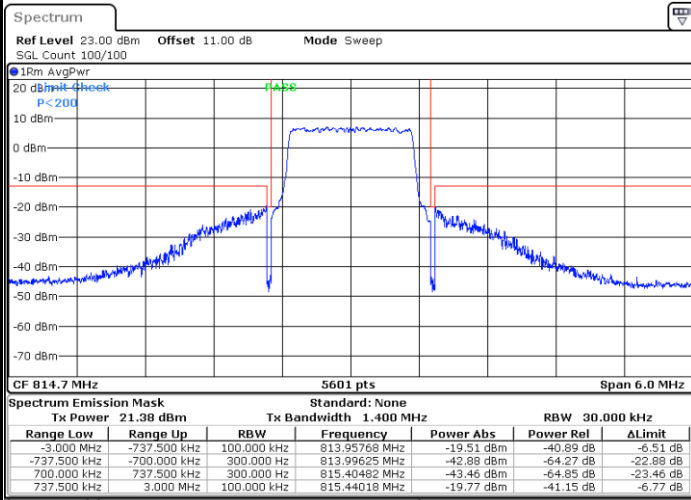


Date: 15.MAR.2023 23:03:54

Date: 15.MAR.2023 23:05:46

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



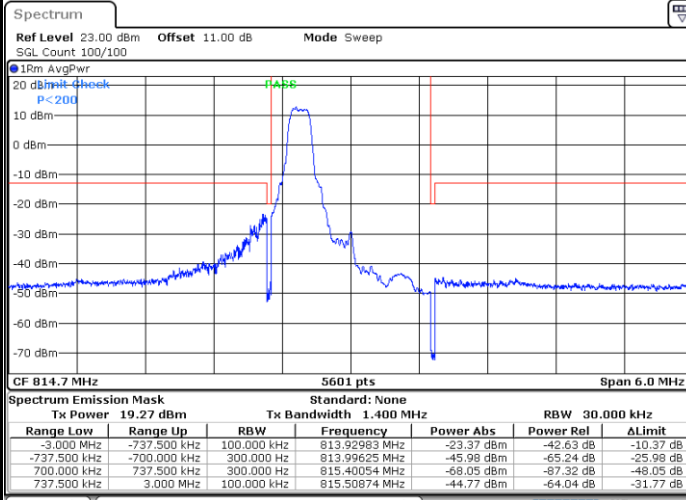
Date: 15.MAR.2023 23:04:50

Date: 15.MAR.2023 23:06:42



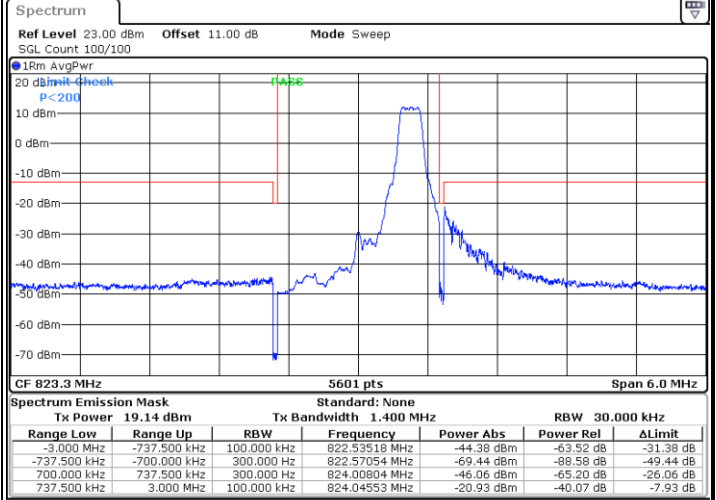
LTE Band 26 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



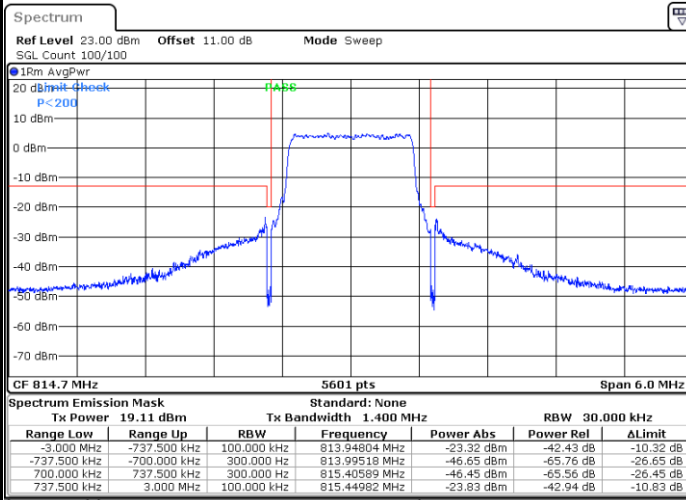
Date: 15.MAR.2023 23:42:06

Highest Band Edge / 1 RB



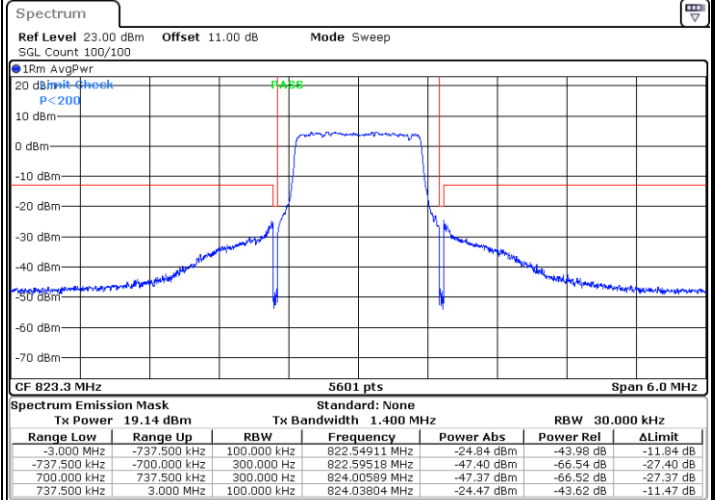
Date: 15.MAR.2023 23:43:58

Lowest Band Edge / Full RB



Date: 15.MAR.2023 23:43:02

Highest Band Edge / Full RB

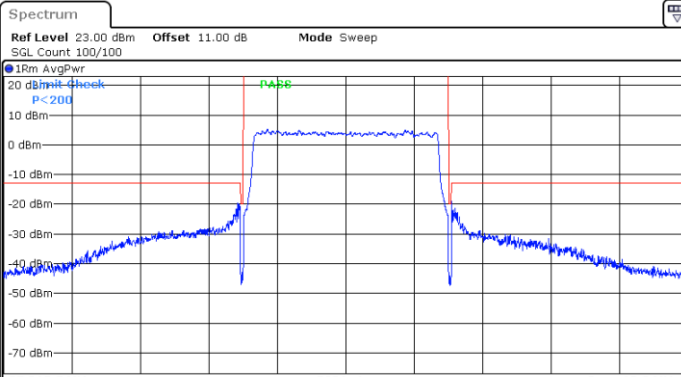


Date: 15.MAR.2023 23:44:53



LTE Band 26 / 3MHz / QPSK

Lowest Band Edge / Full RB

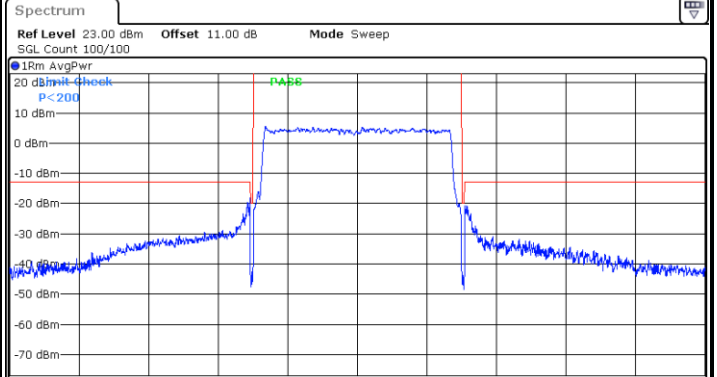


CF 815.5 MHz 5601 pts Span 10.0 MHz

Spectrum Emission Mask		Standard: None		RBW 30.000 kHz		
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	813.92411 MHz	-19.49 dBm	-42.48 dB	-6.49 dB
-1.538 MHz	-1.500 MHz	300.000 kHz	813.99911 MHz	-41.51 dBm	-64.50 dB	-21.51 dB
1.500 MHz	1.538 MHz	300.000 kHz	817.00268 MHz	-42.92 dBm	-65.90 dB	-22.92 dB
1.538 MHz	5.000 MHz	100.000 kHz	817.03839 MHz	-18.91 dBm	-41.90 dB	-5.91 dB

Date: 15.MAR.2023 23:10:08

Highest Band Edge / Full RB



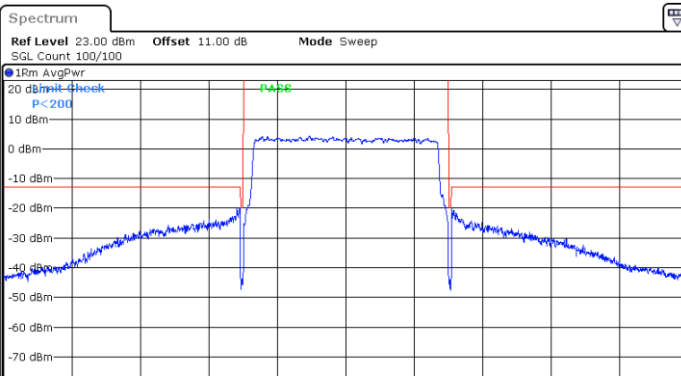
CF 822.5 MHz 5601 pts Span 10.0 MHz

Spectrum Emission Mask		Standard: None		RBW 30.000 kHz		
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	820.96161 MHz	-18.16 dBm	-41.52 dB	-5.16 dB
-1.538 MHz	-1.500 MHz	300.000 kHz	820.99911 MHz	-41.16 dBm	-64.52 dB	-21.16 dB
1.500 MHz	1.538 MHz	300.000 kHz	824.00268 MHz	-42.60 dBm	-65.96 dB	-22.60 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.04018 MHz	-20.81 dBm	-44.17 dB	-7.81 dB

Date: 15.MAR.2023 23:11:59

LTE Band 26 / 3MHz / 16QAM

Lowest Band Edge / Full RB

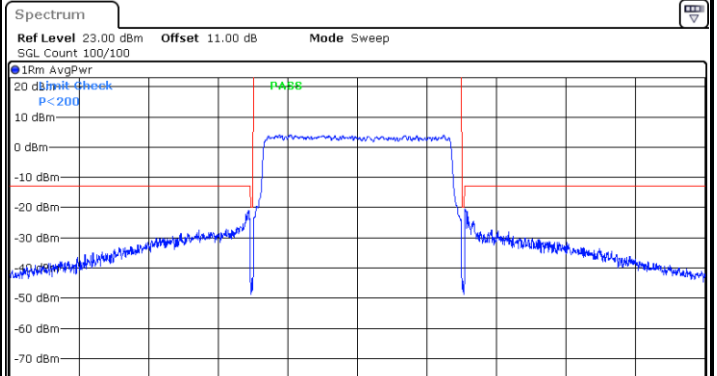


CF 815.5 MHz 5601 pts Span 10.0 MHz

Spectrum Emission Mask		Standard: None		RBW 30.000 kHz		
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	813.95625 MHz	-19.75 dBm	-41.98 dB	-6.75 dB
-1.538 MHz	-1.500 MHz	300.000 kHz	813.99911 MHz	-41.65 dBm	-63.87 dB	-21.65 dB
1.500 MHz	1.538 MHz	300.000 kHz	817.00268 MHz	-43.00 dBm	-65.22 dB	-23.00 dB
1.538 MHz	5.000 MHz	100.000 kHz	817.04554 MHz	-20.07 dBm	-42.30 dB	-7.07 dB

Date: 15.MAR.2023 23:11:04

Highest Band Edge / Full RB



CF 822.5 MHz 5601 pts Span 10.0 MHz

Spectrum Emission Mask		Standard: None		RBW 30.000 kHz		
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	820.93839 MHz	-21.02 dBm	-43.29 dB	-8.02 dB
-1.538 MHz	-1.500 MHz	300.000 kHz	820.99911 MHz	-43.27 dBm	-65.53 dB	-23.27 dB
1.500 MHz	1.538 MHz	300.000 kHz	824.00268 MHz	-43.61 dBm	-65.87 dB	-23.61 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.04732 MHz	-20.55 dBm	-42.81 dB	-7.55 dB

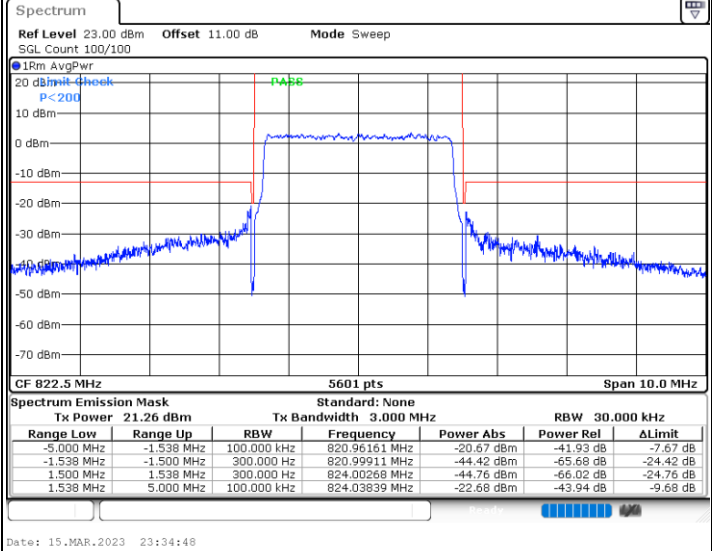
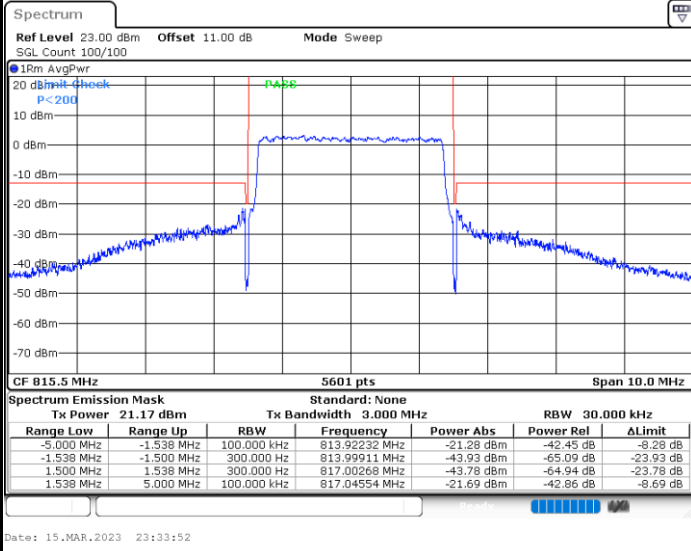
Date: 15.MAR.2023 23:12:55



LTE Band 26 / 3MHz / 64QAM

Lowest Band Edge / Full RB

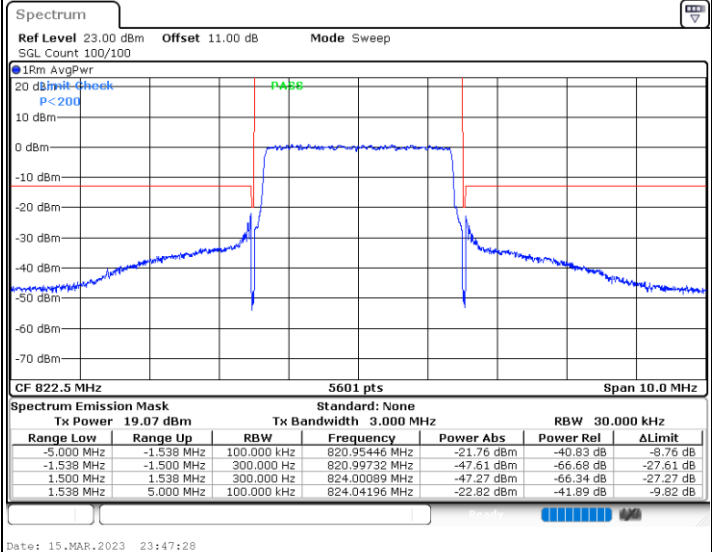
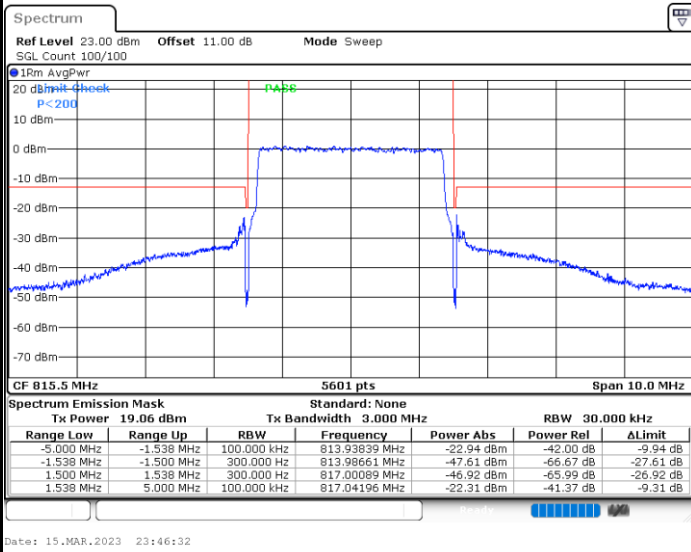
Highest Band Edge / Full RB



LTE Band 26 / 3MHz / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

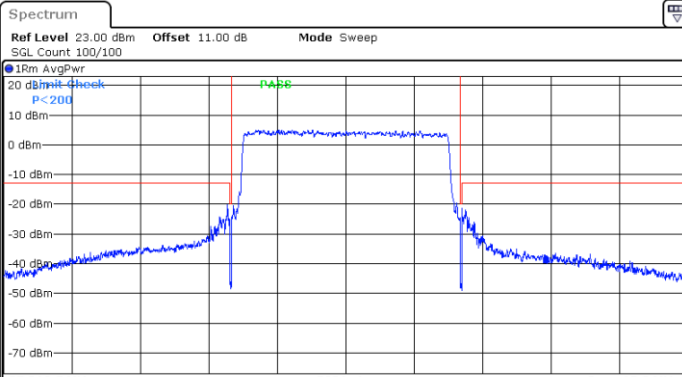






LTE Band 26 / 5MHz / QPSK

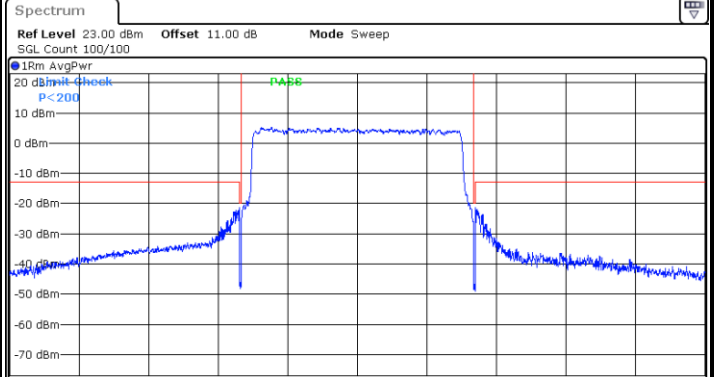
Lowest Band Edge / Full RB



Spectrum Emission Mask		Standard: None		RBW 50.000 kHz		
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	813.89953 MHz	-20.12 dBm	-43.12 dB	-7.12 dB
-2.538 MHz	-2.500 MHz	300.000 kHz	813.98795 MHz	-45.29 dBm	-68.29 dB	-25.29 dB
2.500 MHz	2.538 MHz	300.000 kHz	819.00134 MHz	-46.38 dBm	-69.39 dB	-26.38 dB
2.538 MHz	7.500 MHz	100.000 kHz	819.03884 MHz	-21.45 dBm	-44.46 dB	-8.45 dB

Date: 15.MAR.2023 23:22:36

Highest Band Edge / Full RB



Spectrum Emission Mask		Standard: None		RBW 50.000 kHz		
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	818.96116 MHz	-21.40 dBm	-44.65 dB	-8.40 dB
-2.538 MHz	-2.500 MHz	300.000 kHz	818.98795 MHz	-45.43 dBm	-68.68 dB	-25.43 dB
2.500 MHz	2.538 MHz	300.000 kHz	824.00134 MHz	-46.13 dBm	-69.38 dB	-26.13 dB
2.538 MHz	7.500 MHz	100.000 kHz	824.04956 MHz	-21.36 dBm	-44.61 dB	-8.36 dB

Date: 15.MAR.2023 23:24:28

LTE Band 26 / 5MHz / 16QAM

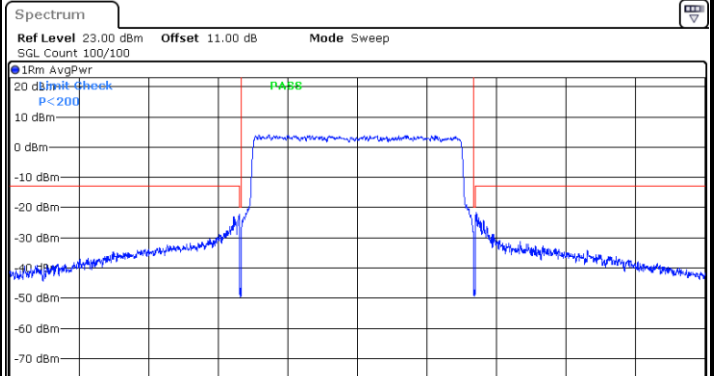
Lowest Band Edge / Full RB



Spectrum Emission Mask		Standard: None		RBW 50.000 kHz		
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	813.94240 MHz	-20.25 dBm	-42.47 dB	-7.25 dB
-2.538 MHz	-2.500 MHz	300.000 kHz	813.99865 MHz	-45.49 dBm	-67.70 dB	-25.49 dB
2.500 MHz	2.538 MHz	300.000 kHz	819.01205 MHz	-47.06 dBm	-69.27 dB	-27.06 dB
2.538 MHz	7.500 MHz	100.000 kHz	819.06028 MHz	-22.02 dBm	-44.23 dB	-9.02 dB

Date: 15.MAR.2023 23:23:32

Highest Band Edge / Full RB



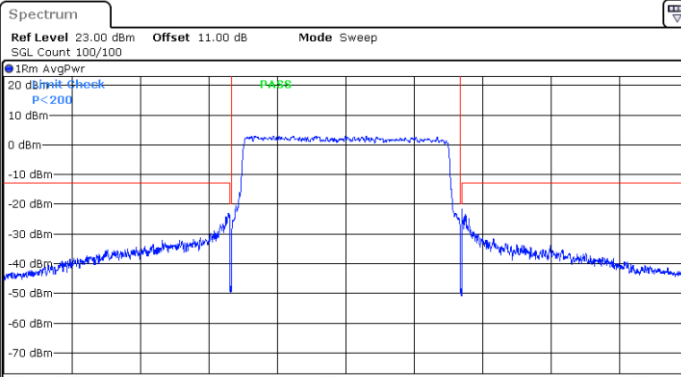
Spectrum Emission Mask		Standard: None		RBW 50.000 kHz		
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	818.95848 MHz	-22.05 dBm	-44.23 dB	-9.05 dB
-2.538 MHz	-2.500 MHz	300.000 kHz	818.98795 MHz	-46.21 dBm	-68.39 dB	-26.21 dB
2.500 MHz	2.538 MHz	300.000 kHz	824.00134 MHz	-47.14 dBm	-69.32 dB	-27.14 dB
2.538 MHz	7.500 MHz	100.000 kHz	824.07099 MHz	-21.55 dBm	-43.73 dB	-8.55 dB

Date: 15.MAR.2023 23:25:24



LTE Band 26 / 5MHz / 64QAM

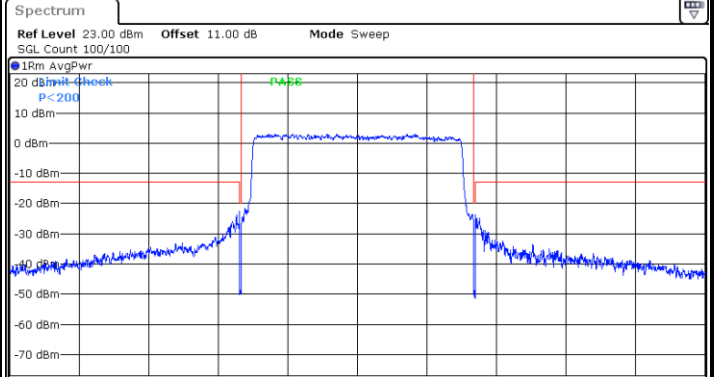
Lowest Band Edge / Full RB



Spectrum Emission Mask		Standard: None		RBW 50.000 kHz		
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	813.91561 MHz	-22.96 dBm	-44.06 dB	-9.96 dB
-2.538 MHz	-2.500 MHz	300.000 kHz	813.99866 MHz	-47.41 dBm	-68.51 dB	-27.41 dB
2.500 MHz	2.538 MHz	300.000 kHz	819.00134 MHz	-48.17 dBm	-69.27 dB	-28.17 dB
2.538 MHz	7.500 MHz	100.000 kHz	819.04152 MHz	-21.70 dBm	-42.80 dB	-8.70 dB

Date: 15.MAR.2023 23:35:46

Highest Band Edge / Full RB

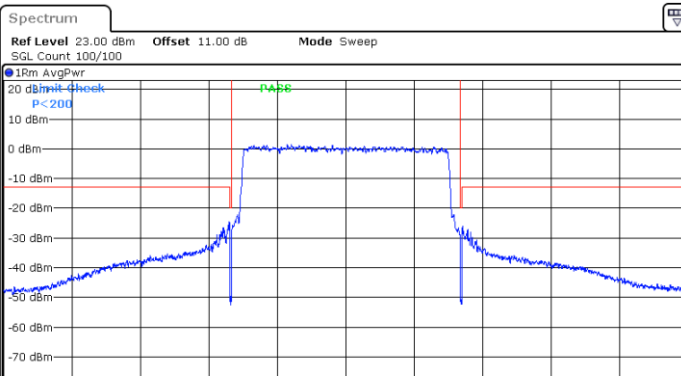


Spectrum Emission Mask		Standard: None		RBW 50.000 kHz		
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	818.96116 MHz	-22.54 dBm	-43.71 dB	-9.54 dB
-2.538 MHz	-2.500 MHz	300.000 kHz	818.99866 MHz	-47.46 dBm	-68.62 dB	-27.46 dB
2.500 MHz	2.538 MHz	300.000 kHz	824.00402 MHz	-48.59 dBm	-69.75 dB	-28.59 dB
2.538 MHz	7.500 MHz	100.000 kHz	824.03884 MHz	-23.74 dBm	-44.91 dB	-10.74 dB

Date: 15.MAR.2023 23:36:42

LTE Band 26 / 5MHz / 256QAM

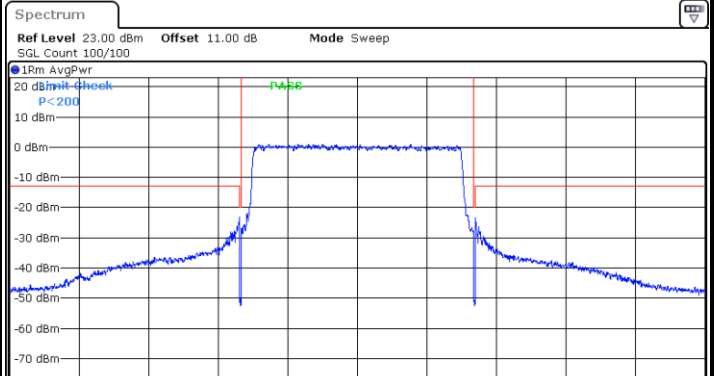
Lowest Band Edge / Full RB



Spectrum Emission Mask		Standard: None		RBW 50.000 kHz		
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	813.93972 MHz	-24.59 dBm	-43.75 dB	-11.59 dB
-2.538 MHz	-2.500 MHz	300.000 kHz	813.98527 MHz	-49.34 dBm	-68.50 dB	-29.34 dB
2.500 MHz	2.538 MHz	300.000 kHz	819.00134 MHz	-50.34 dBm	-69.50 dB	-30.34 dB
2.538 MHz	7.500 MHz	100.000 kHz	819.05760 MHz	-25.87 dBm	-45.03 dB	-12.87 dB

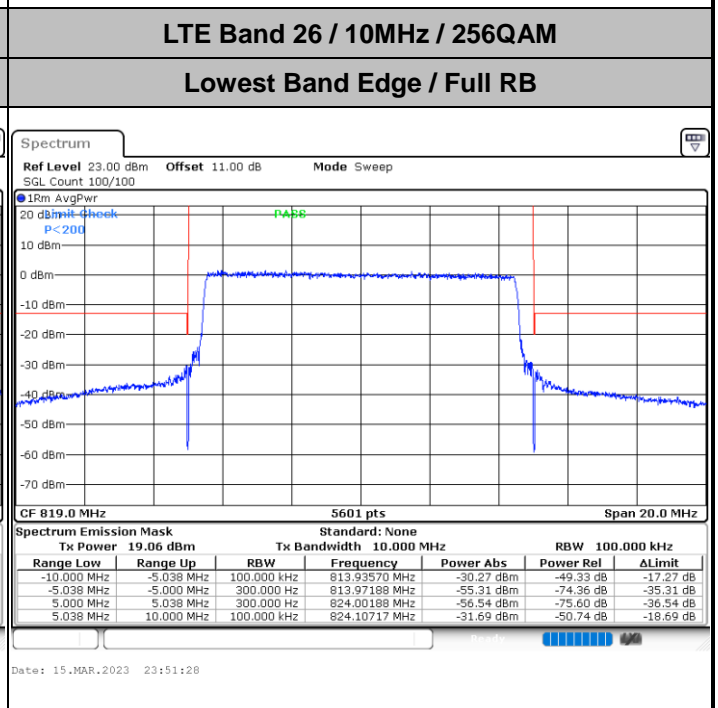
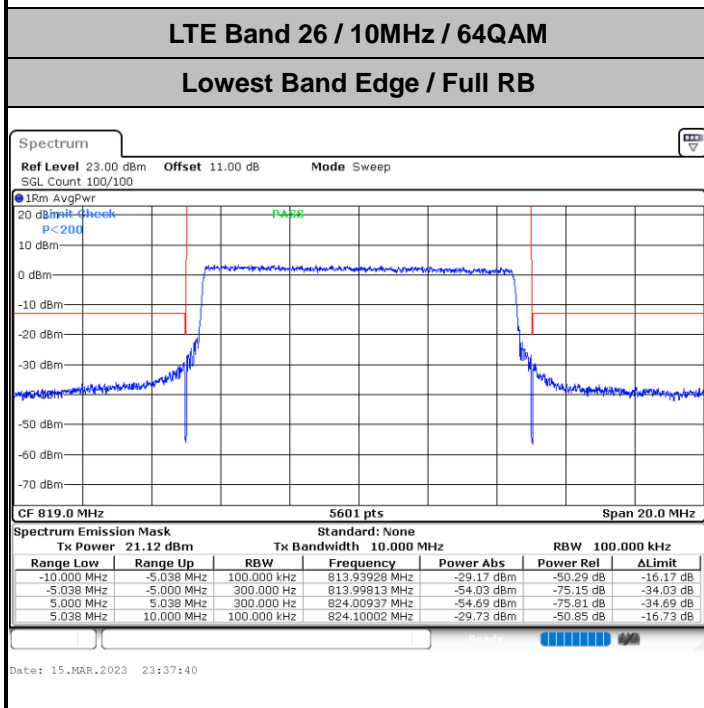
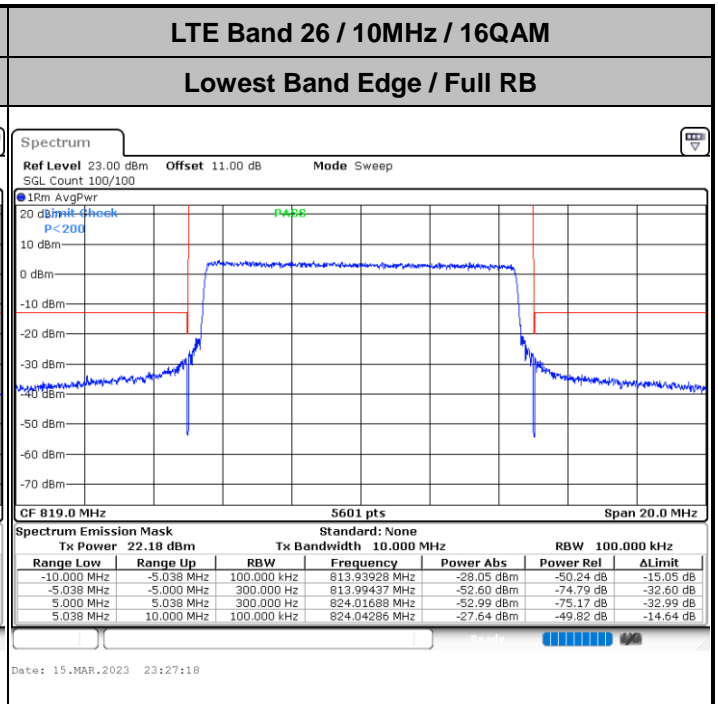
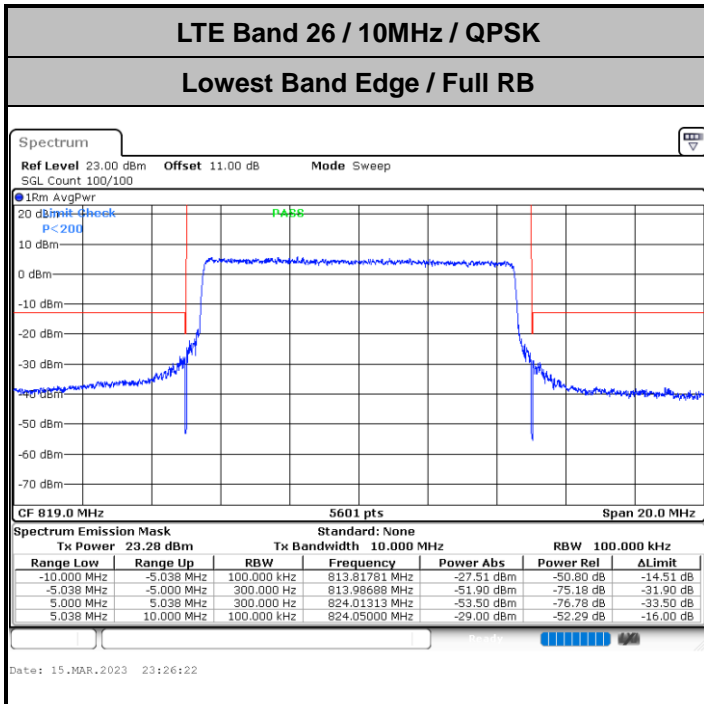
Date: 15.MAR.2023 23:49:06

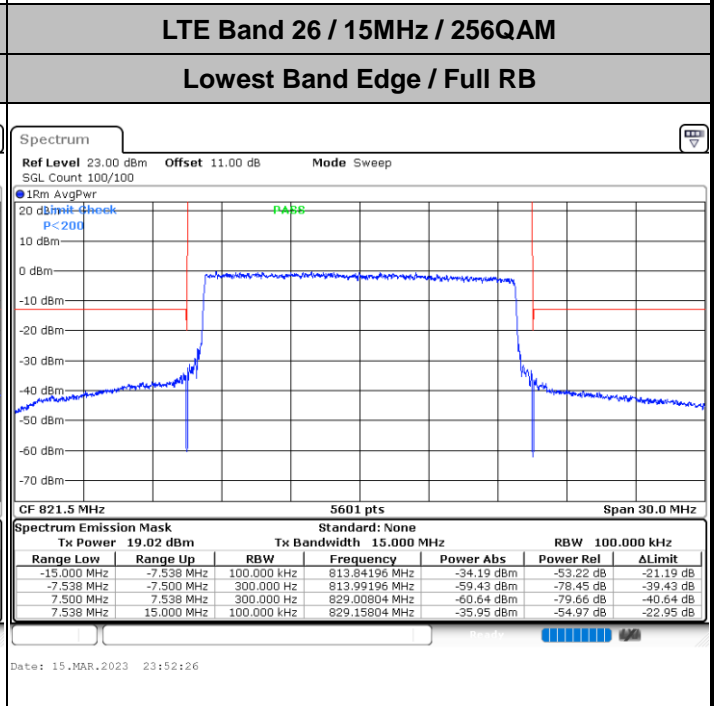
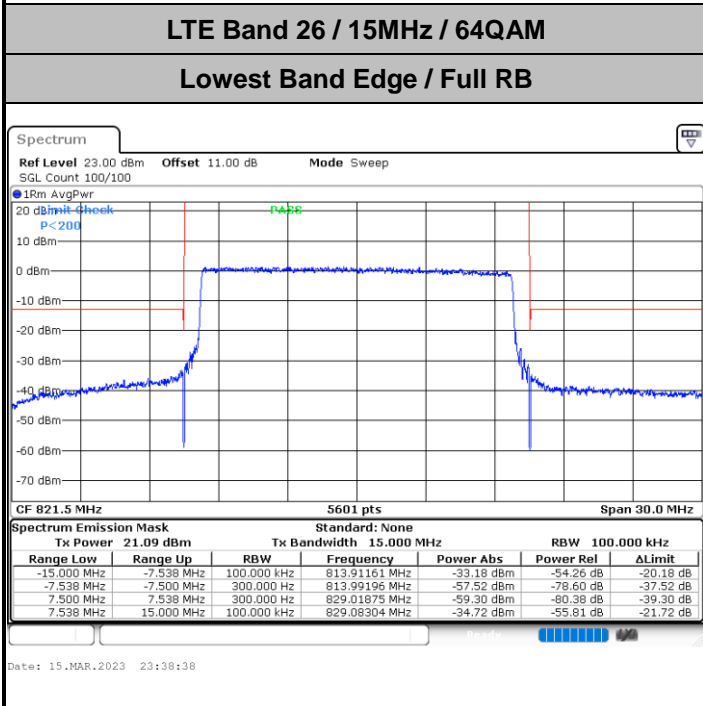
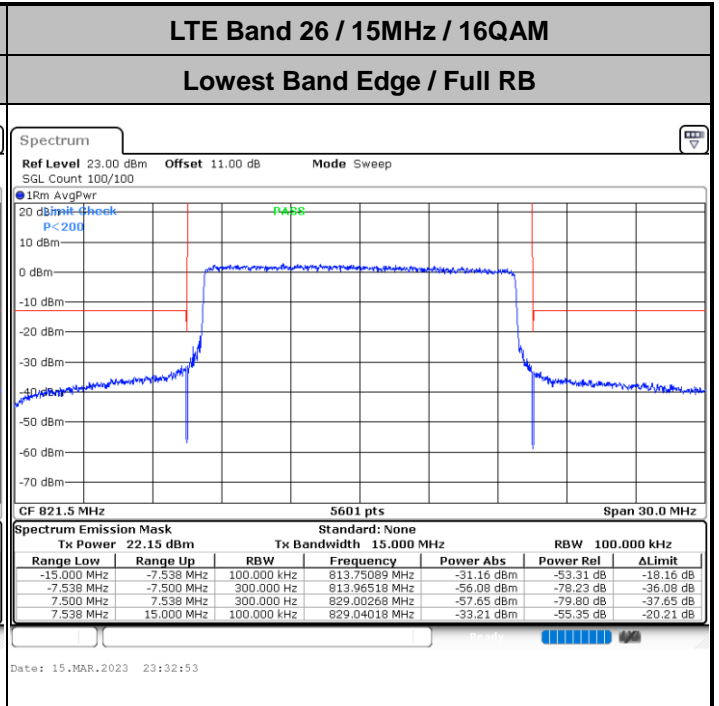
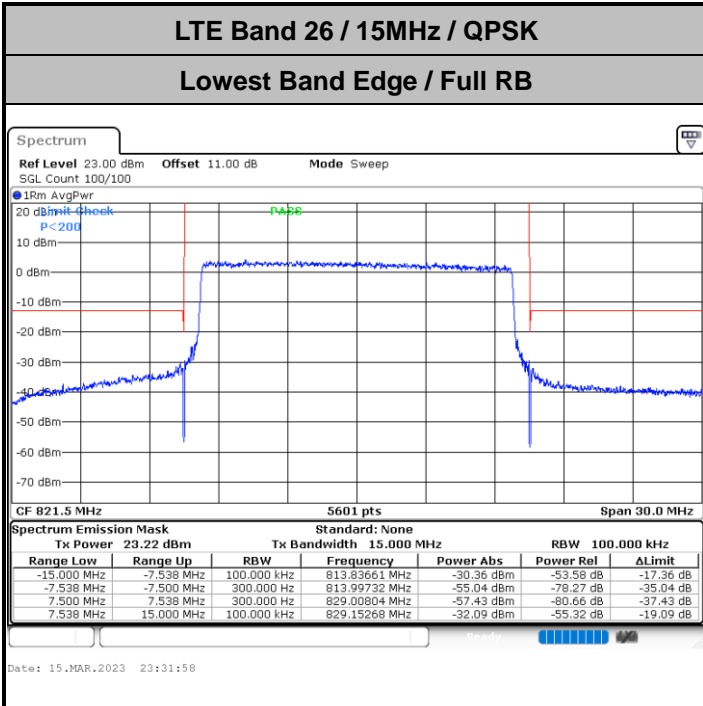
Highest Band Edge / Full RB



Spectrum Emission Mask		Standard: None		RBW 50.000 kHz		
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	818.96116 MHz	-22.95 dBm	-42.05 dB	-9.95 dB
-2.538 MHz	-2.500 MHz	300.000 kHz	818.98795 MHz	-49.95 dBm	-69.05 dB	-29.95 dB
2.500 MHz	2.538 MHz	300.000 kHz	824.00134 MHz	-50.06 dBm	-69.16 dB	-30.06 dB
2.538 MHz	7.500 MHz	100.000 kHz	824.04152 MHz	-23.41 dBm	-42.50 dB	-10.41 dB

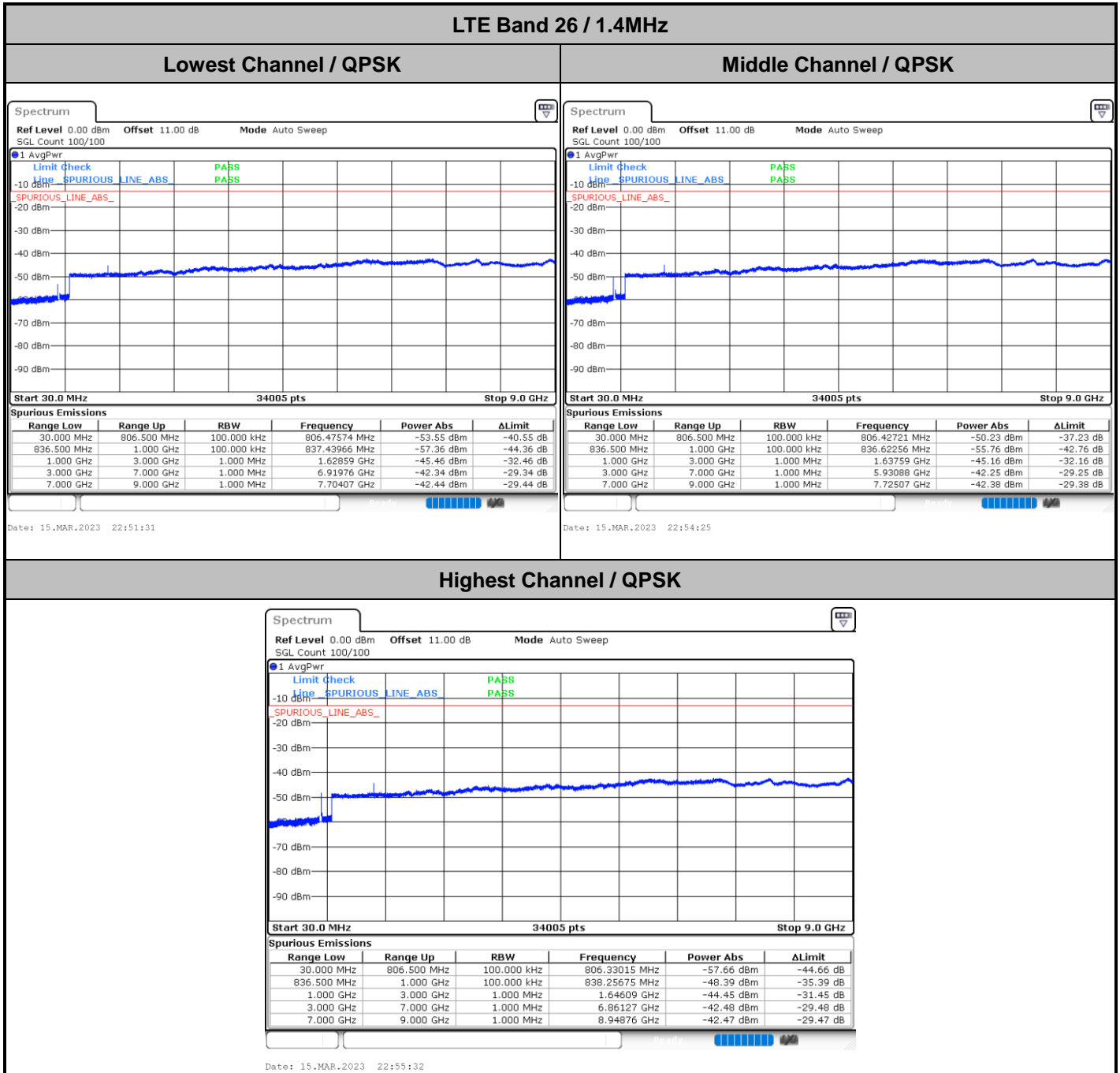
Date: 15.MAR.2023 23:50:02







# Emission masks – Out of band emissions

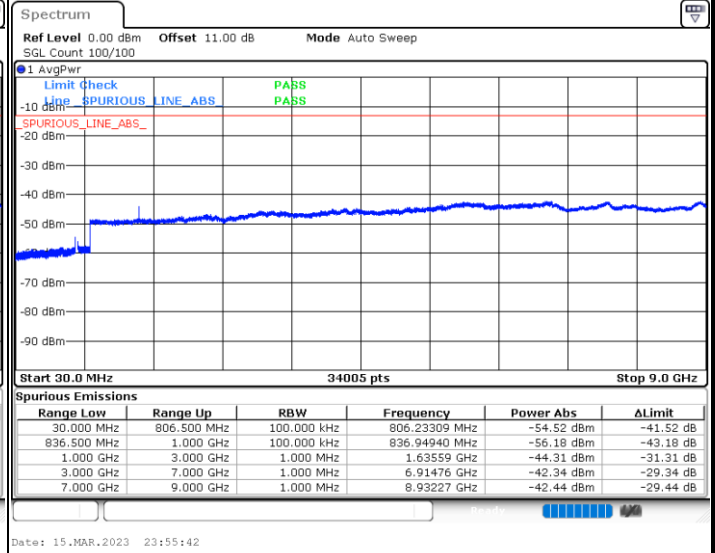
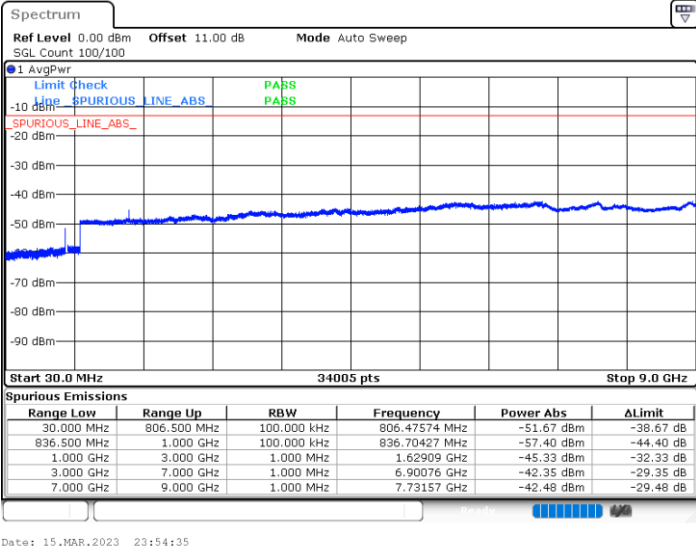




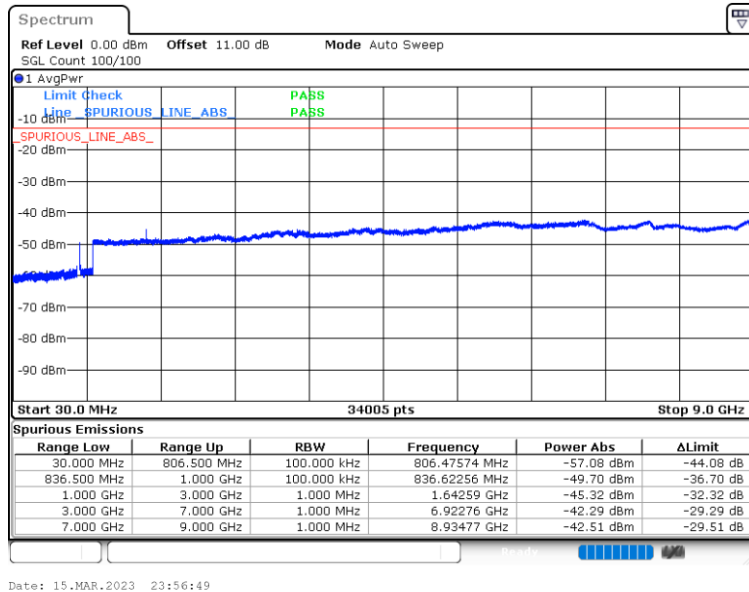
LTE Band 26 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

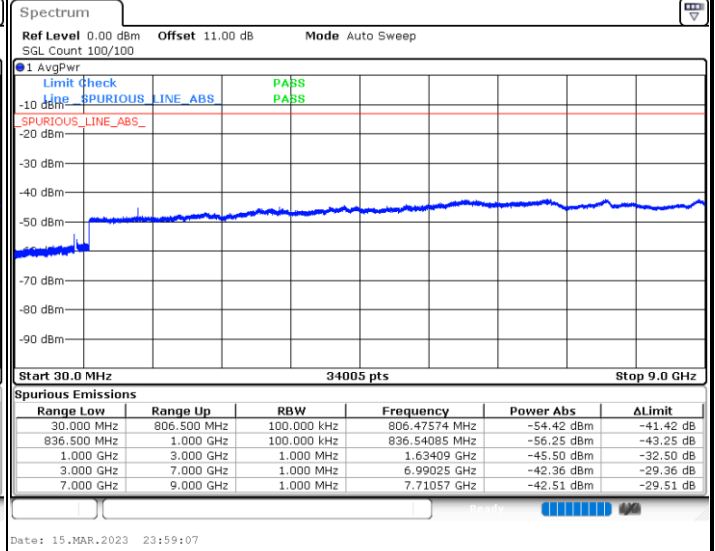
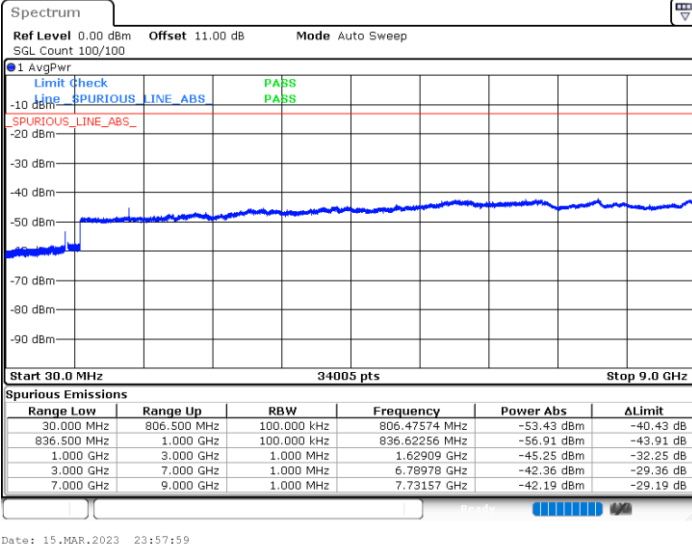




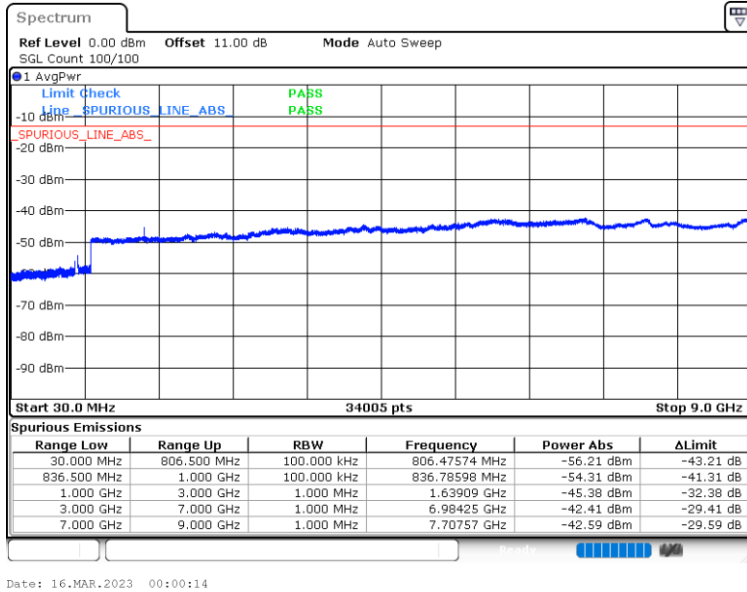
LTE Band 26 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



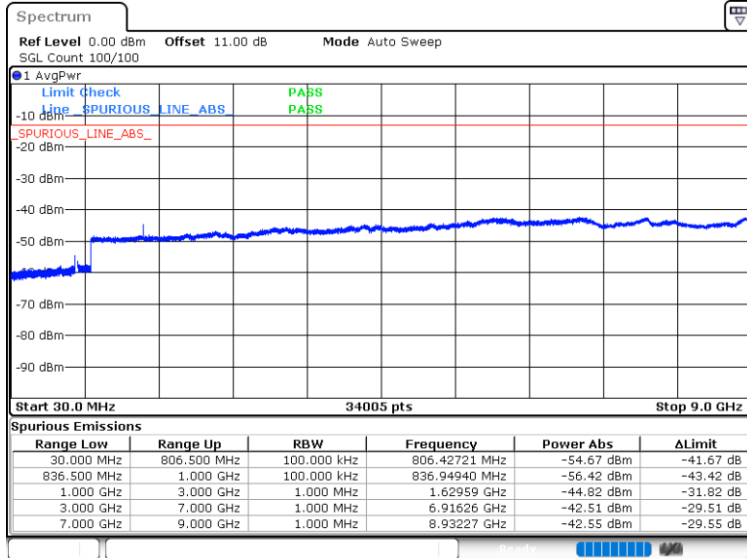
Highest Channel / QPSK





LTE Band 26 / 10MHz

Middle Channel / QPSK



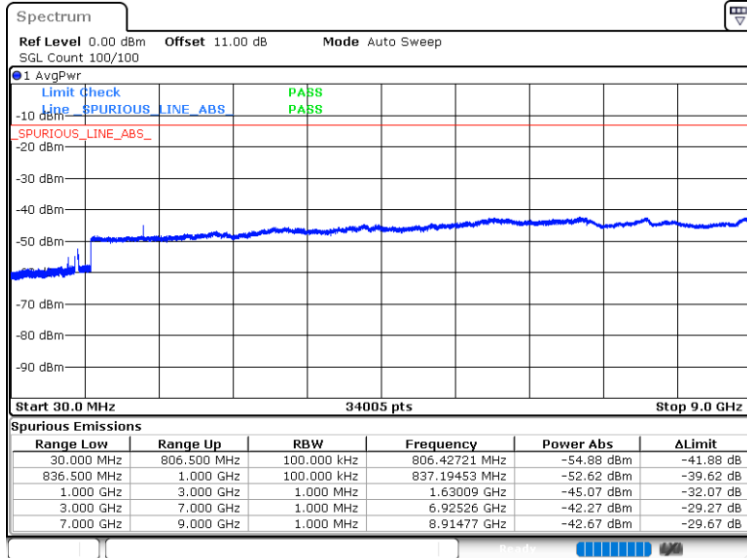
Date: 16.MAR.2023 00:02:07





LTE Band 26 / 15MHz

Middle Channel / QPSK



Date: 16.MAR.2023 00:03:17



### Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0172	PASS
40	Normal Voltage	0.0167	
30	Normal Voltage	0.0076	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0147	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0034	
-30	Normal Voltage	0.0042	
20	Maximum Voltage	0.0188	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

**Note:**

- 1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



Test Conditions		LTE Band 26 (QPSK) / Low Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0167	PASS
40	Normal Voltage	0.0164	
30	Normal Voltage	0.0080	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0041	
-20	Normal Voltage	0.0050	
-30	Normal Voltage	0.0033	
20	Maximum Voltage	0.0108	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0129	

**Note:**

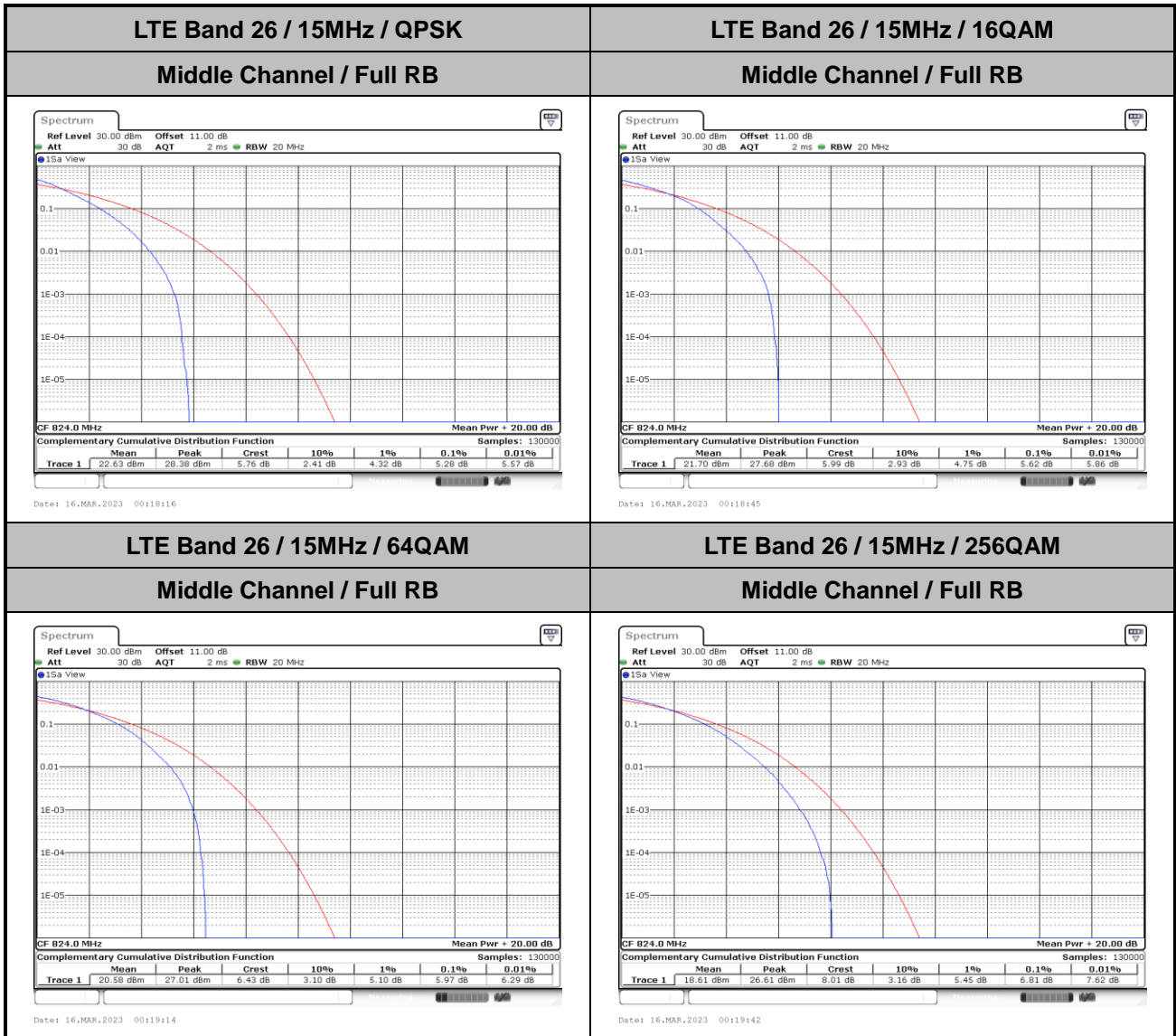
- 1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 26\_Part 90S\_824MHz

## Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.28	5.62	5.97	6.81	PASS





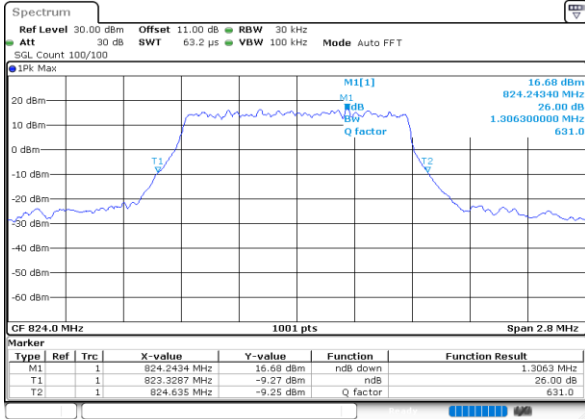
**26dB Bandwidth**

Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.31	1.33	3.09	3.12	5.00	4.90	9.89	10.15	14.45	14.33	-	-
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.27	1.31	3.06	3.19	5.22	5.19	10.13	10.45	14.42	14.60	-	-



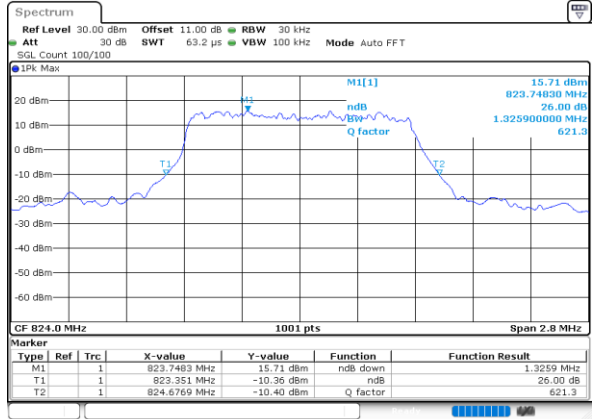
LTE Band 26

Middle Channel / 1.4MHz / QPSK



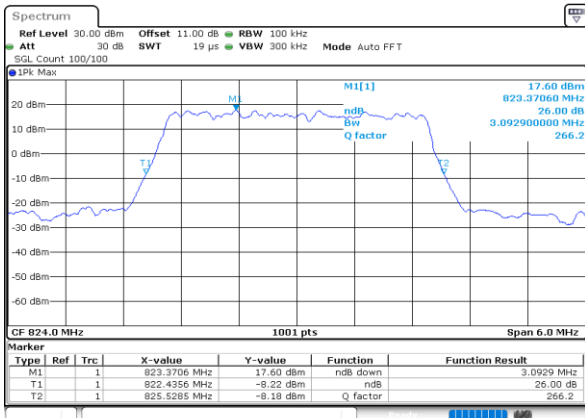
Date: 16.MAR.2023 00:04:44

Middle Channel / 1.4MHz / 16QAM



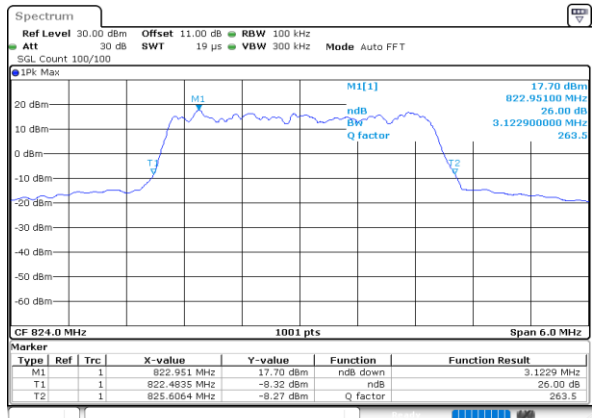
Date: 16.MAR.2023 00:05:10

Middle Channel / 3MHz / QPSK



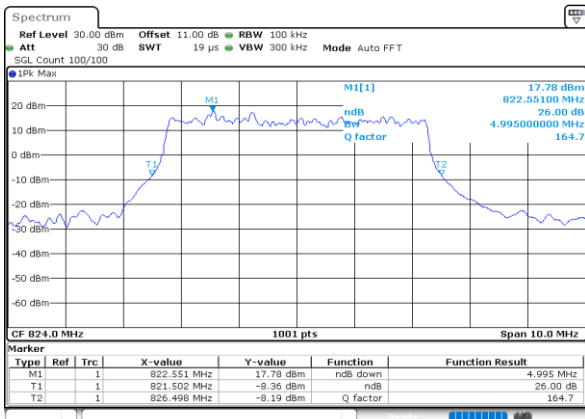
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Middle Channel / 3MHz / 16QAM



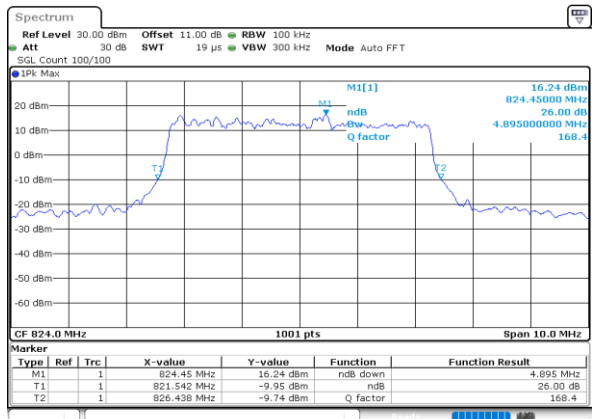
Date: 16.MAR.2023 00:07:56

Middle Channel / 5MHz / QPSK



Date: 16.MAR.2023 00:10:15

Middle Channel / 5MHz / 16QAM

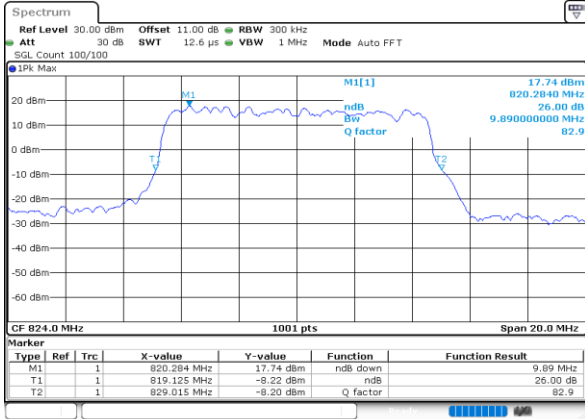


Date: 16.MAR.2023 00:10:42



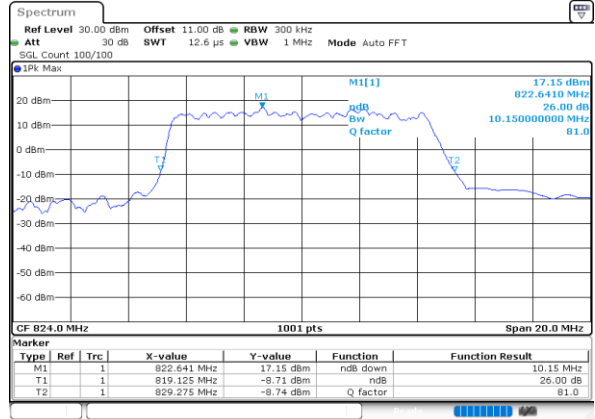
LTE Band 26

Middle Channel / 10MHz / QPSK



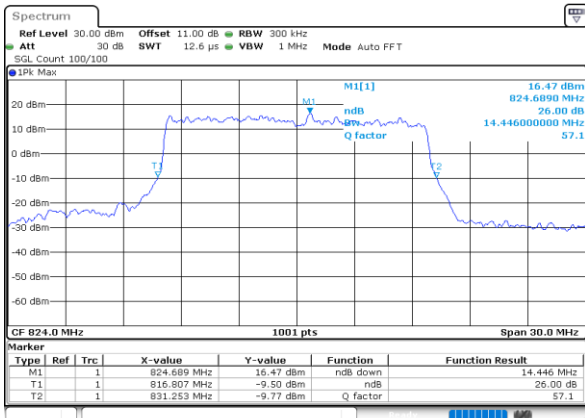
Date: 16.MAR.2023 00:13:01

Middle Channel / 10MHz / 16QAM



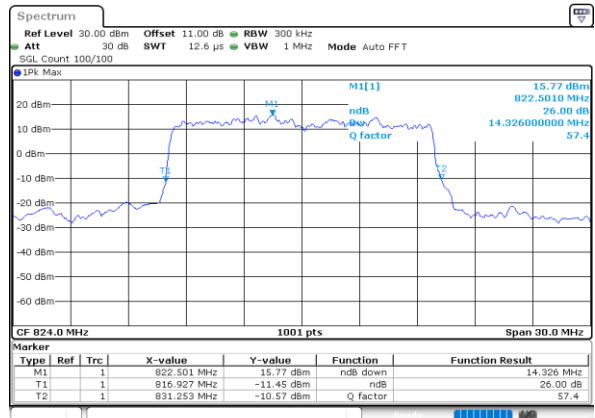
Date: 16.MAR.2023 00:13:27

Middle Channel / 15MHz / QPSK



Date: 16.MAR.2023 00:15:46

Middle Channel / 15MHz / 16QAM

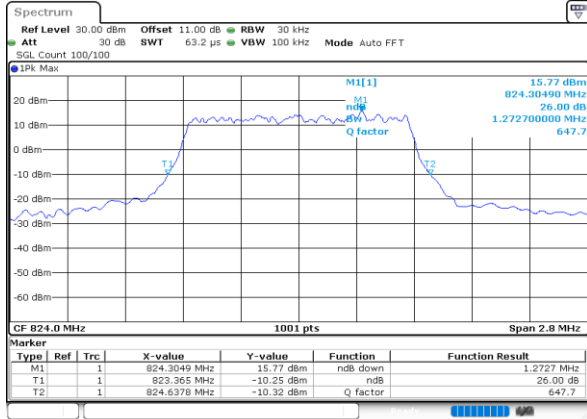


Date: 16.MAR.2023 00:16:13



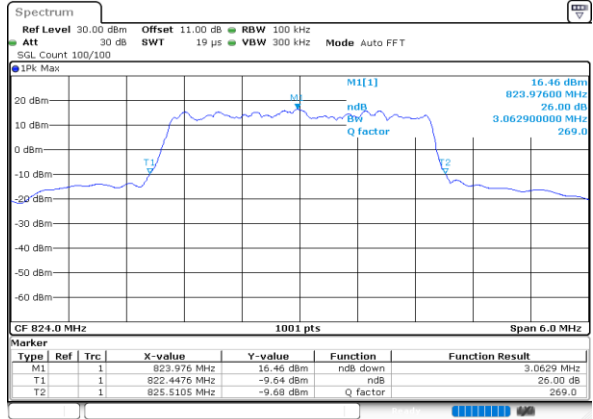
LTE Band 26

Middle Channel / 1.4MHz / 64QAM



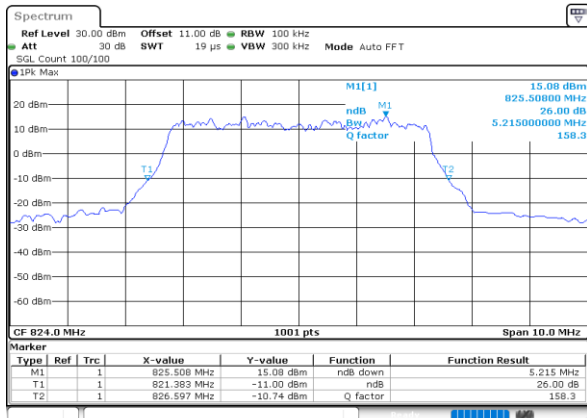
Date: 16.MAR.2023 00:06:05

Middle Channel / 3MHz / 64QAM



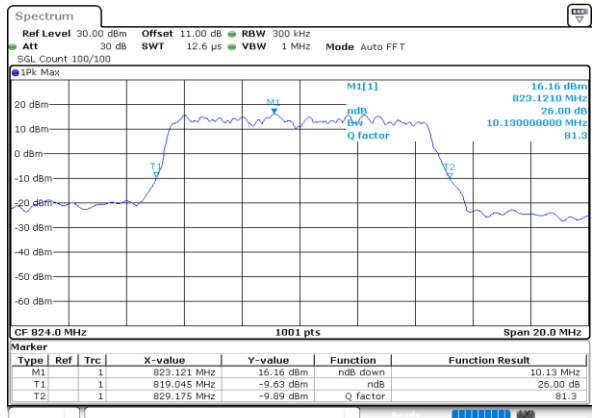
Date: 16.MAR.2023 00:08:51

Middle Channel / 5MHz / 64QAM



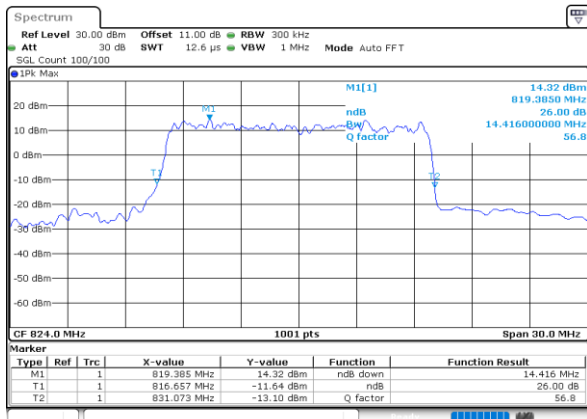
Date: 16.MAR.2023 00:11:37

Middle Channel / 10MHz / 64QAM



Date: 16.MAR.2023 00:14:23

Middle Channel / 15MHz / 64QAM



Date: 16.MAR.2023 00:17:08

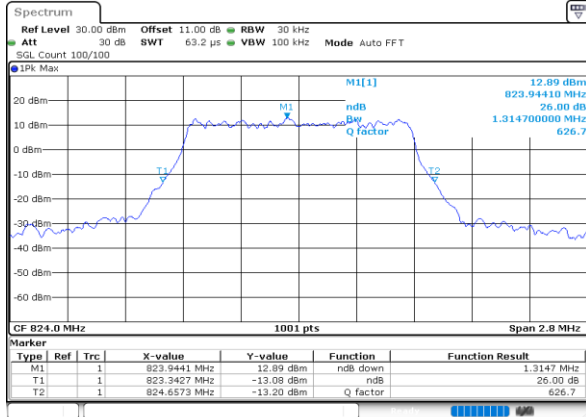
N/A





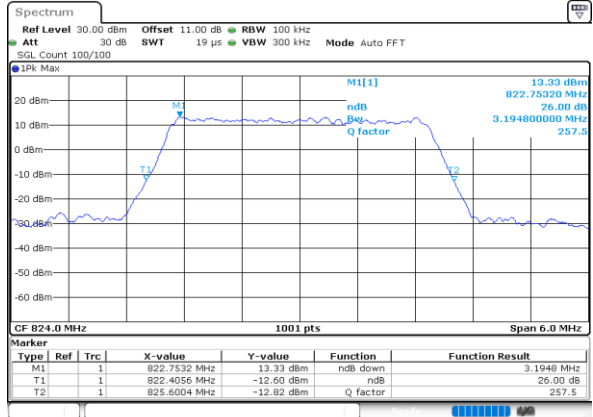
LTE Band 26

Middle Channel / 1.4MHz / 256QAM



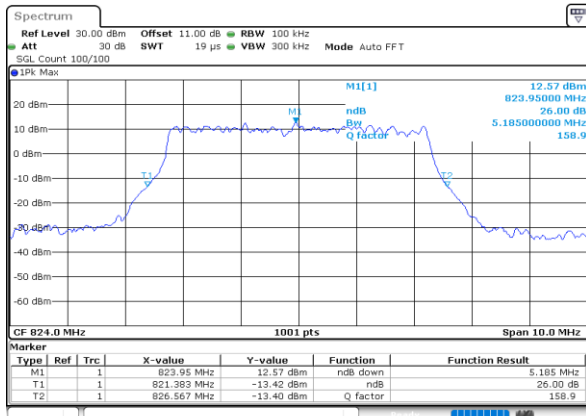
Date: 16.MAR.2023 00:06:46

Middle Channel / 3MHz / 256QAM



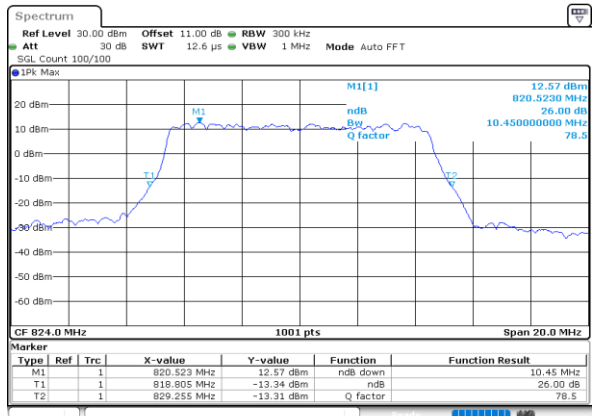
Date: 16.MAR.2023 00:10:32

Middle Channel / 5MHz / 256QAM



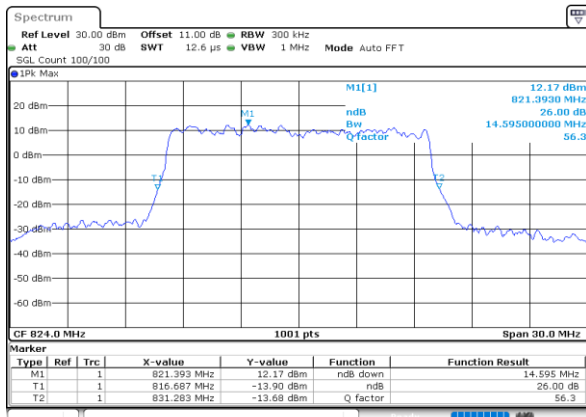
Date: 16.MAR.2023 00:12:19

Middle Channel / 10MHz / 256QAM



Date: 16.MAR.2023 00:15:03

Middle Channel / 15MHz / 256QAM



Date: 16.MAR.2023 00:17:49

N/A



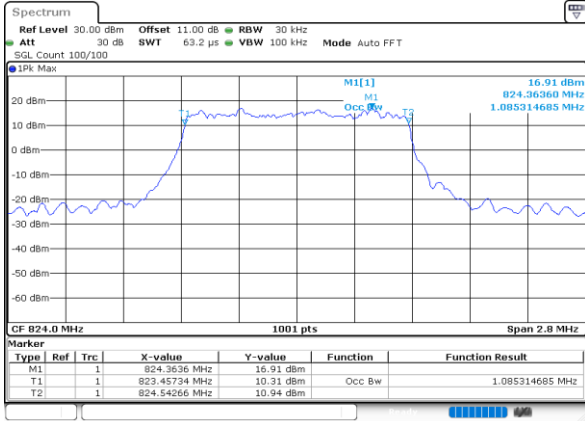
Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.10	2.73	2.72	4.49	4.48	9.07	9.03	13.37	13.43	-	-
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.10	1.09	2.72	2.72	4.48	4.48	9.03	8.99	13.43	13.37	-	-



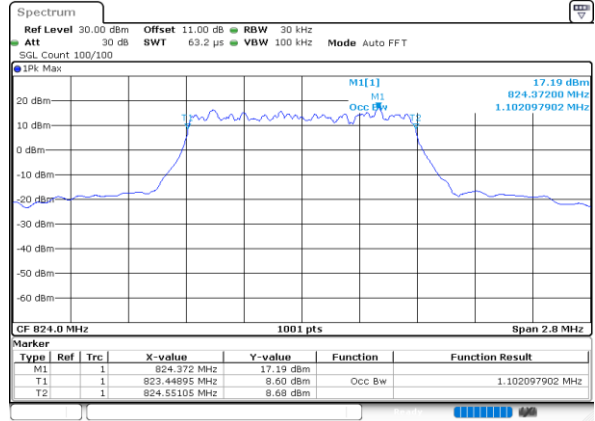
LTE Band 26

Middle Channel / 1.4MHz / QPSK



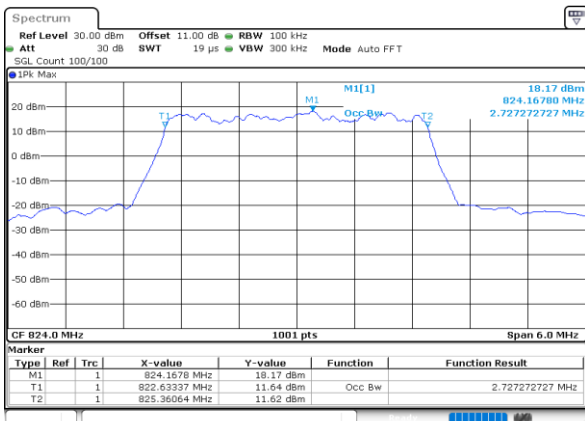
Date: 16.MAR.2023 00:04:29

Middle Channel / 1.4MHz / 16QAM



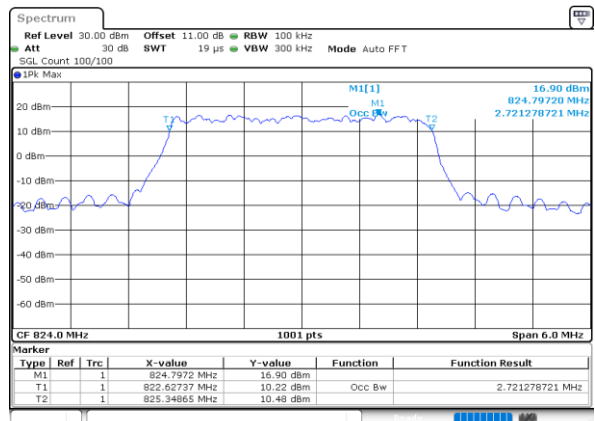
Date: 16.MAR.2023 00:05:24

Middle Channel / 3MHz / QPSK



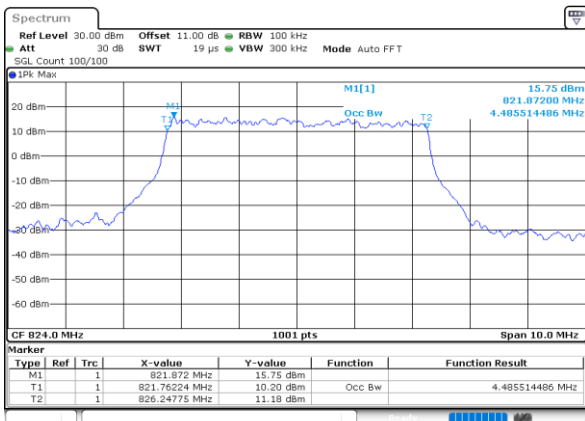
Date: 16.MAR.2023 00:07:16

Middle Channel / 3MHz / 16QAM



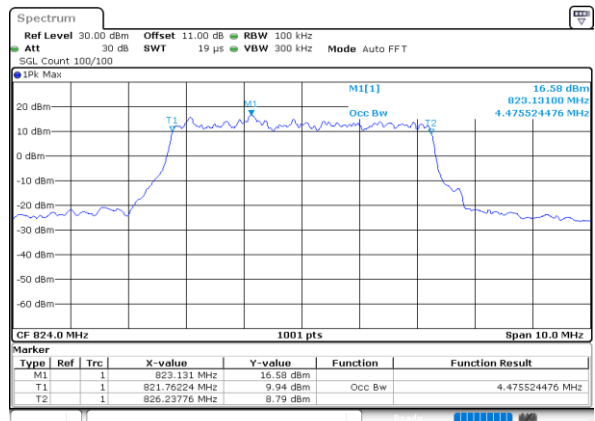
Date: 16.MAR.2023 00:08:11

Middle Channel / 5MHz / QPSK



Date: 16.MAR.2023 00:10:01

Middle Channel / 5MHz / 16QAM

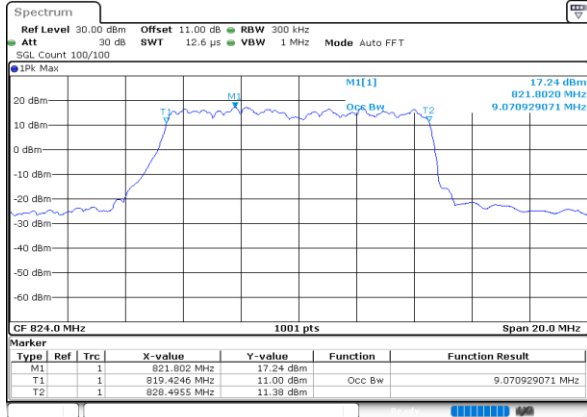


Date: 16.MAR.2023 00:10:56



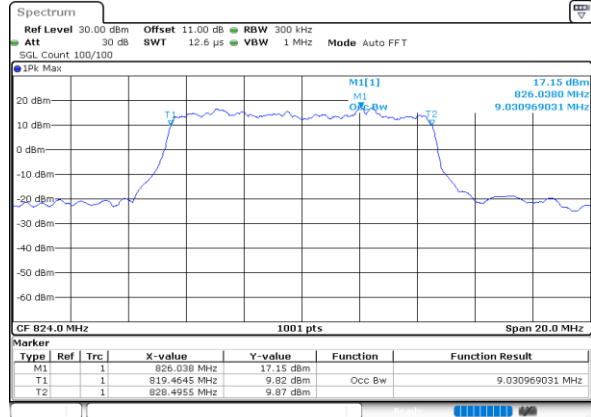
LTE Band 26

Middle Channel / 10MHz / QPSK



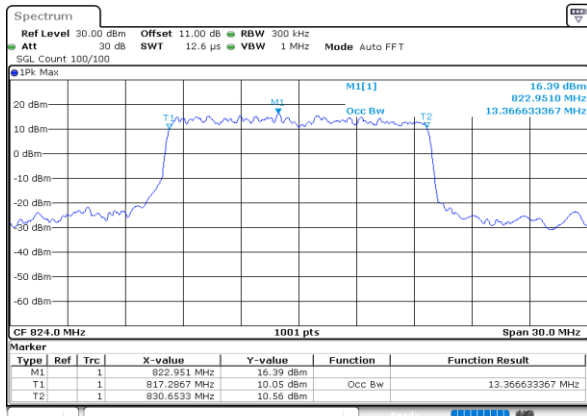
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Middle Channel / 10MHz / 16QAM



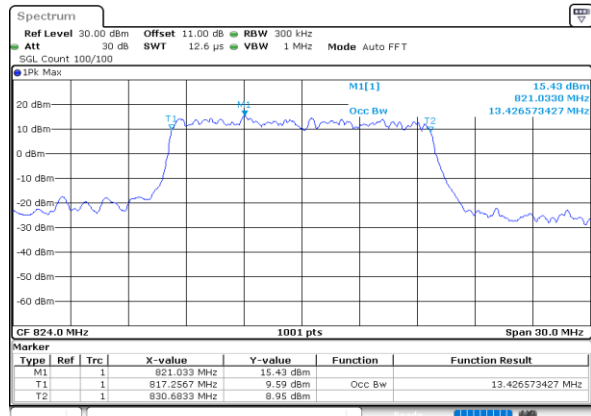
Date: 16.MAR.2023 00:13:42

Middle Channel / 15MHz / QPSK



Date: 16.MAR.2023 00:15:32

Middle Channel / 15MHz / 16QAM

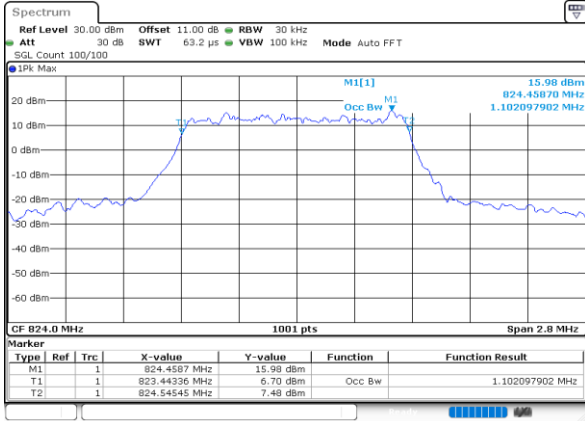


Date: 16.MAR.2023 00:16:27



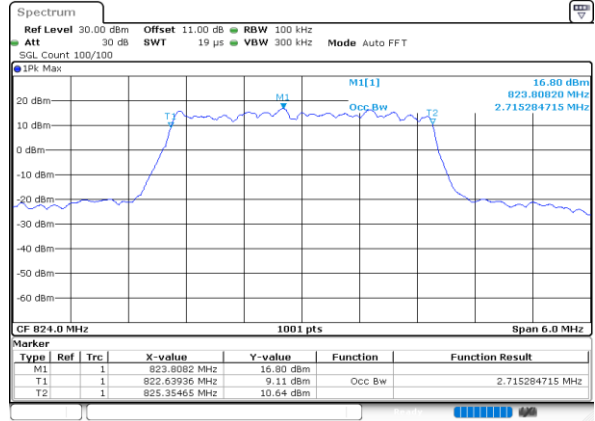
LTE Band 26

Middle Channel / 1.4MHz / 64QAM



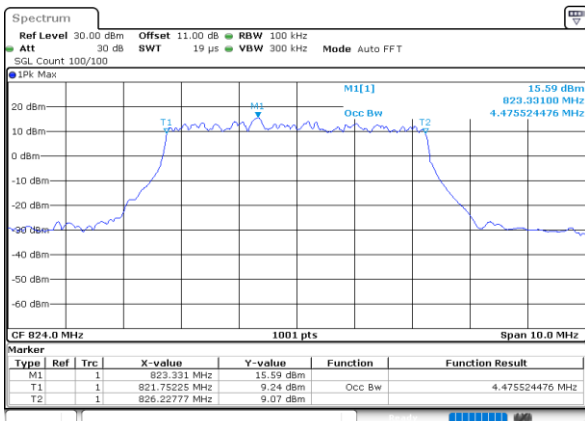
Date: 16.MAR.2023 00:05:51

Middle Channel / 3MHz / 64QAM



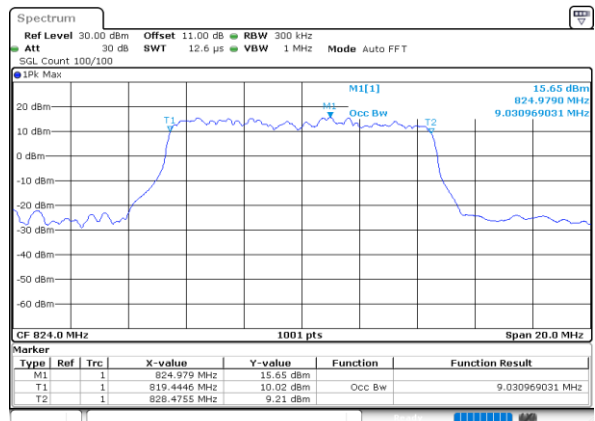
Date: 16.MAR.2023 00:08:37

Middle Channel / 5MHz / 64QAM



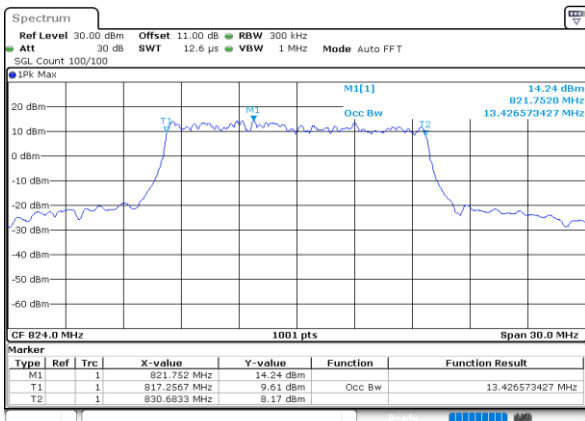
Date: 16.MAR.2023 00:11:23

Middle Channel / 10MHz / 64QAM



Date: 16.MAR.2023 00:14:09

Middle Channel / 15MHz / 64QAM



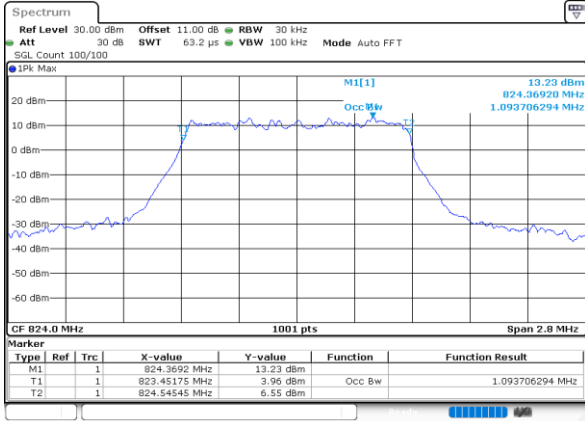
Date: 16.MAR.2023 00:16:54

N/A



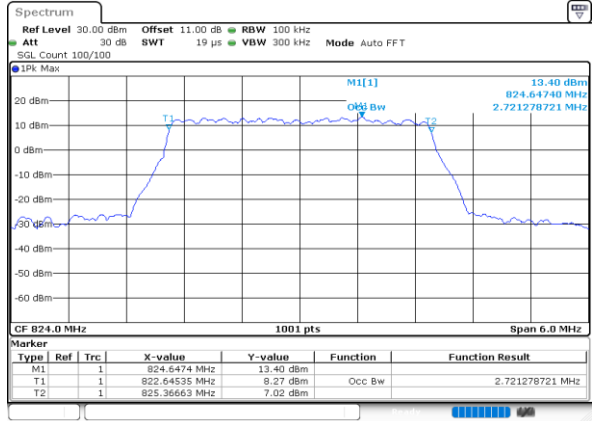
LTE Band 26

Middle Channel / 1.4MHz / 256QAM



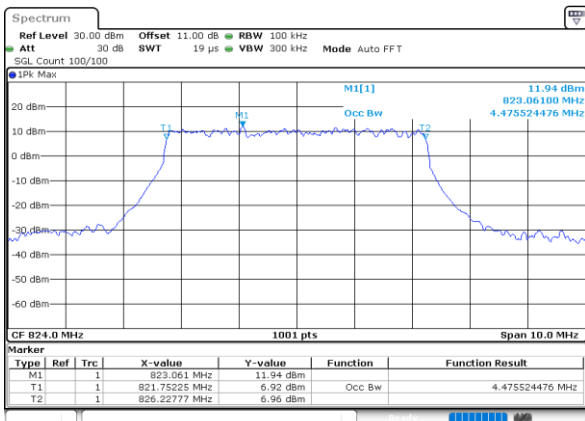
Date: 16.MAR.2023 00:06:32

Middle Channel / 3MHz / 256QAM



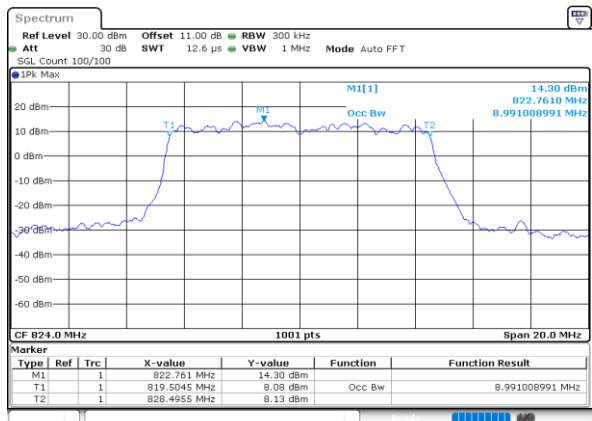
Date: 16.MAR.2023 00:09:18

Middle Channel / 5MHz / 256QAM



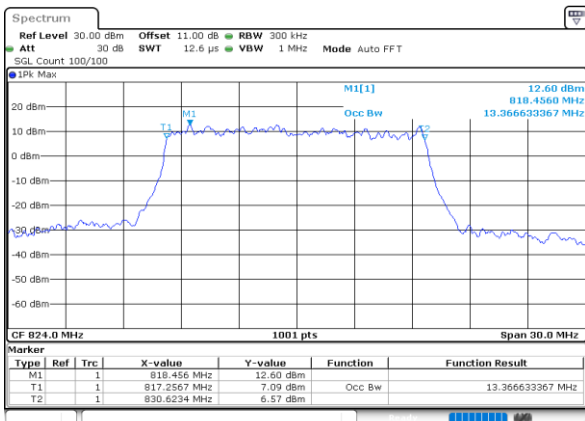
Date: 16.MAR.2023 00:12:04

Middle Channel / 10MHz / 256QAM



Date: 16.MAR.2023 00:14:49

Middle Channel /15MHz / 256QAM



Date: 16.MAR.2023 00:17:34

N/A