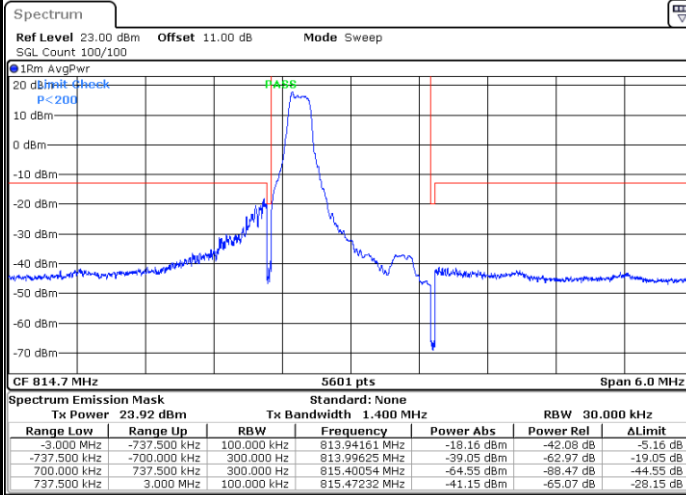




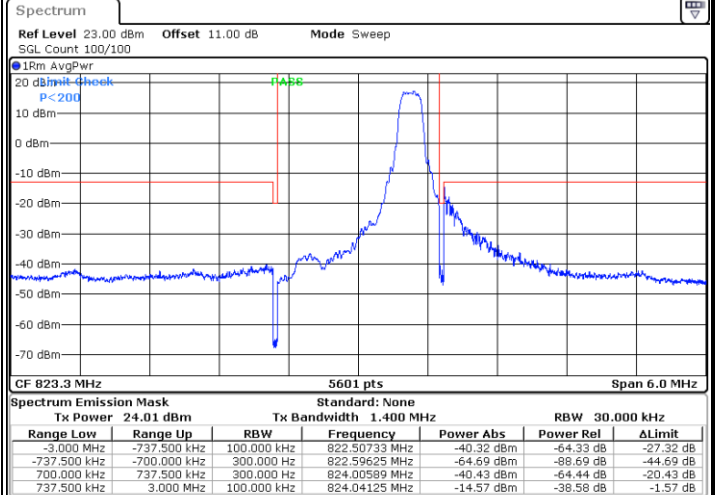
LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



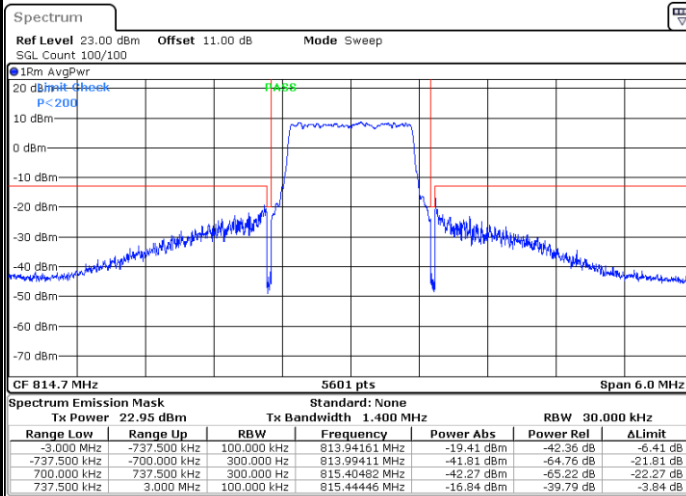
Date: 21.FEB.2023 11:05:54

Highest Band Edge / 1 RB



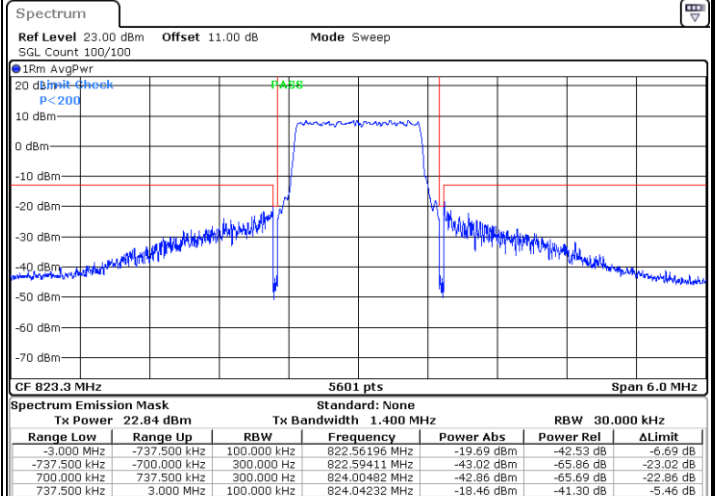
Date: 21.FEB.2023 11:09:49

Lowest Band Edge / Full RB



Date: 21.FEB.2023 11:07:51

Highest Band Edge / Full RB

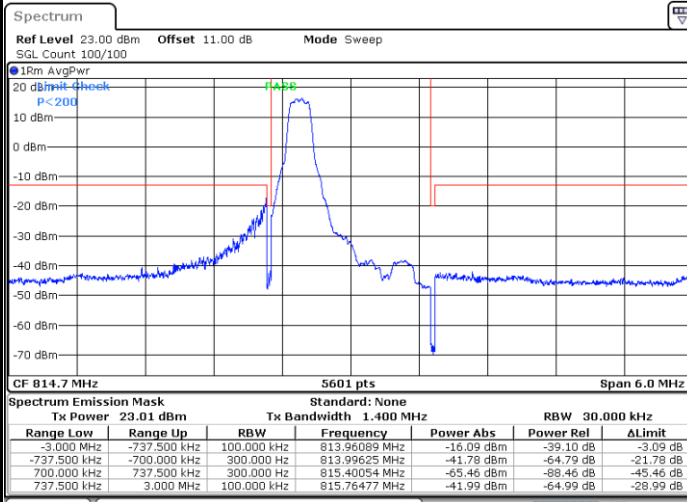


Date: 21.FEB.2023 11:13:42



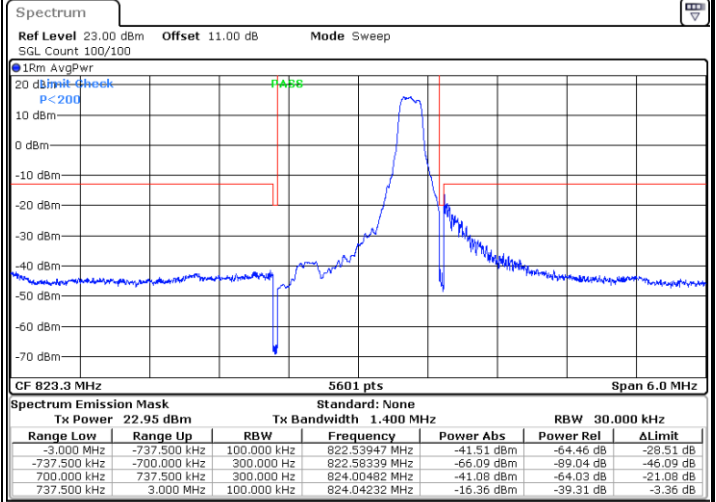
LTE Band 26 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



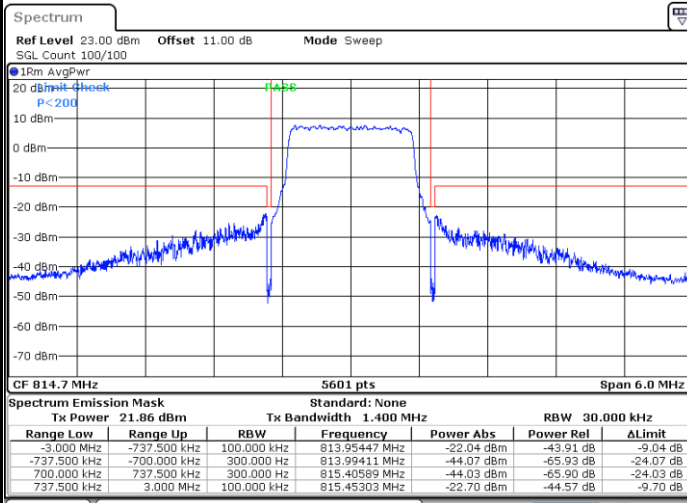
Date: 21.FEB.2023 11:14:41

Highest Band Edge / 1 RB



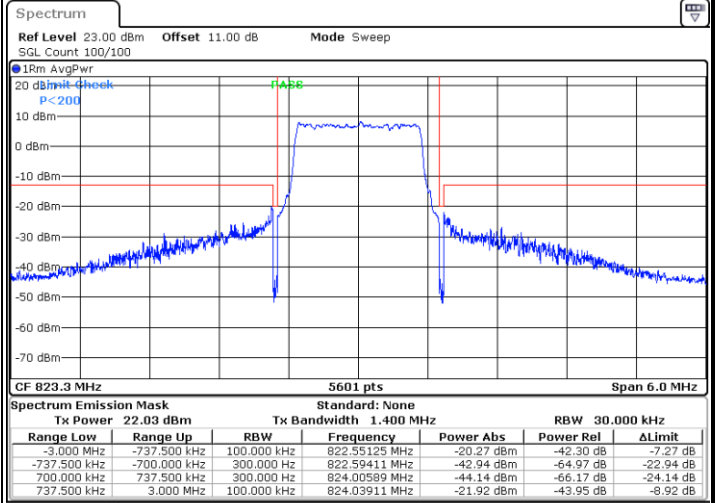
Date: 21.FEB.2023 11:16:38

Lowest Band Edge / Full RB



Date: 21.FEB.2023 11:15:39

Highest Band Edge / Full RB

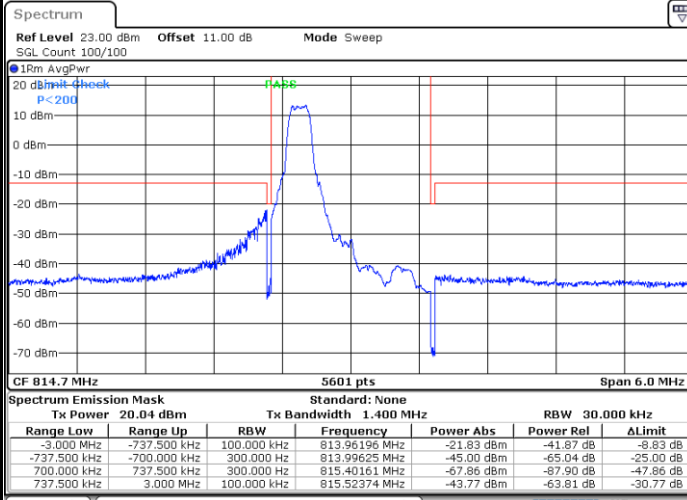


Date: 21.FEB.2023 11:17:36



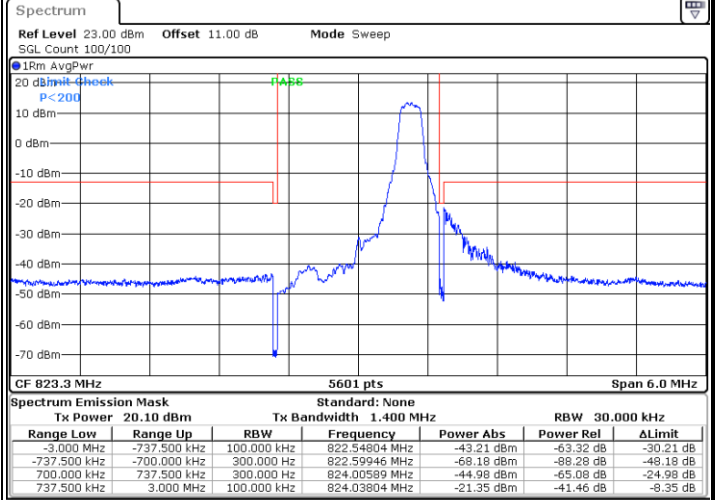
LTE Band 26 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



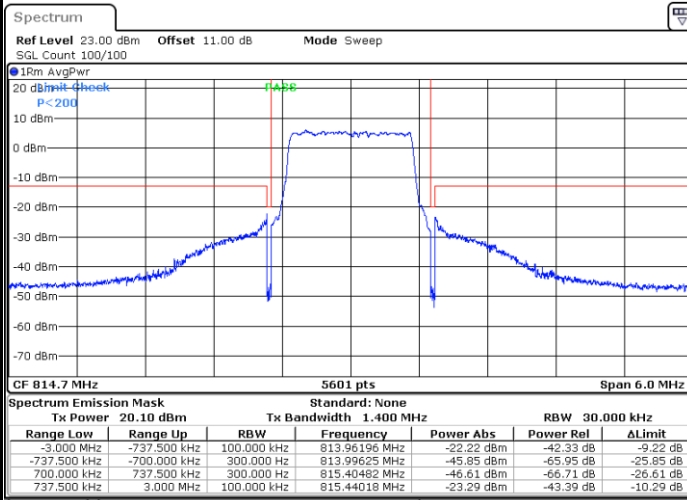
Date: 21.FEB.2023 11:36:55

Highest Band Edge / 1 RB



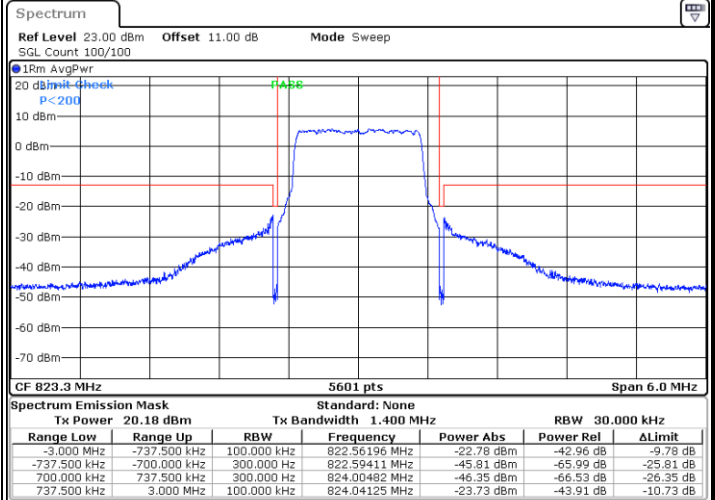
Date: 21.FEB.2023 11:38:52

Lowest Band Edge / Full RB



Date: 21.FEB.2023 11:37:53

Highest Band Edge / Full RB

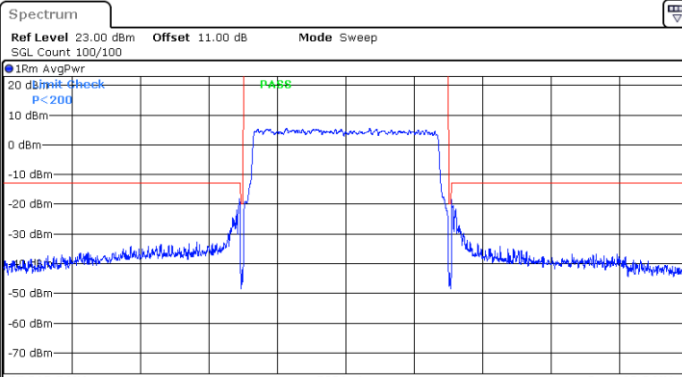


Date: 21.FEB.2023 11:39:51



LTE Band 26 / 3MHz / QPSK

Lowest Band Edge / Full RB

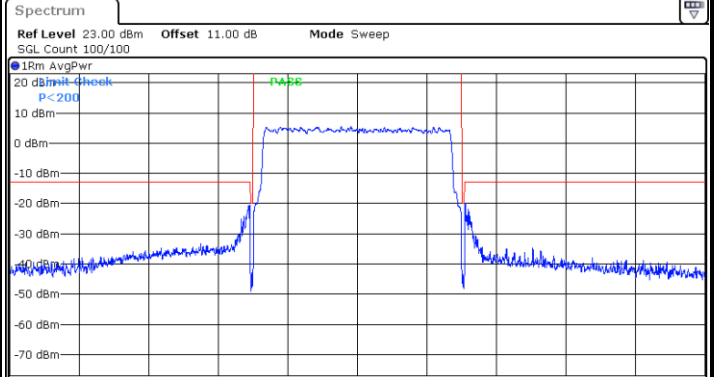


CF 815.5 MHz 5601 pts Span 10.0 MHz

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	813.94196 MHz	-18.17 dBm	-41.74 dB	-5.17 dB
-1.538 MHz	-1.500 MHz	300.000 kHz	813.99911 MHz	-41.01 dBm	-64.57 dB	-21.01 dB
1.500 MHz	1.538 MHz	300.000 kHz	817.00268 MHz	-42.81 dBm	-66.37 dB	-22.81 dB
1.538 MHz	5.000 MHz	100.000 kHz	817.04375 MHz	-18.51 dBm	-42.08 dB	-5.51 dB

Date: 21.FEB.2023 11:18:40

Highest Band Edge / Full RB



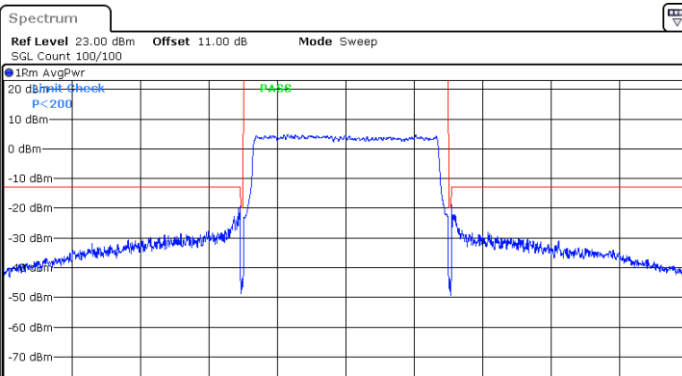
CF 822.5 MHz 5601 pts Span 10.0 MHz

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	820.95089 MHz	-20.49 dBm	-44.02 dB	-7.49 dB
-1.538 MHz	-1.500 MHz	300.000 kHz	820.99911 MHz	-41.86 dBm	-65.38 dB	-21.86 dB
1.500 MHz	1.538 MHz	300.000 kHz	824.00089 MHz	-42.01 dBm	-65.53 dB	-22.01 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.04911 MHz	-19.80 dBm	-43.33 dB	-6.80 dB

Date: 21.FEB.2023 11:20:37

LTE Band 26 / 3MHz / 16QAM

Lowest Band Edge / Full RB

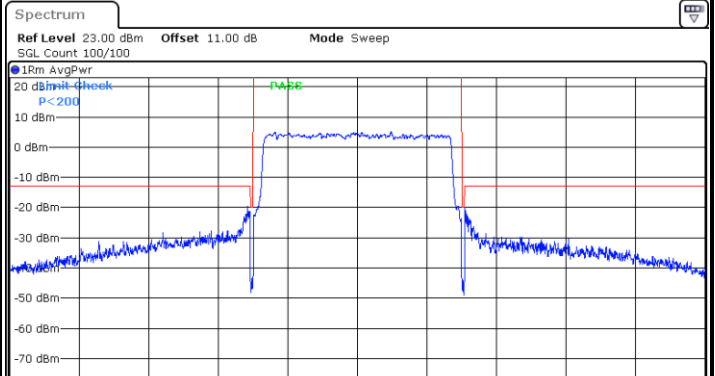


CF 815.5 MHz 5601 pts Span 10.0 MHz

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	813.95804 MHz	-19.31 dBm	-42.18 dB	-6.31 dB
-1.538 MHz	-1.500 MHz	300.000 kHz	813.99911 MHz	-42.99 dBm	-65.86 dB	-22.99 dB
1.500 MHz	1.538 MHz	300.000 kHz	817.00268 MHz	-42.86 dBm	-65.72 dB	-22.86 dB
1.538 MHz	5.000 MHz	100.000 kHz	817.04196 MHz	-18.80 dBm	-41.66 dB	-5.80 dB

Date: 21.FEB.2023 11:19:38

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	820.92232 MHz	-19.69 dBm	-42.66 dB	-6.69 dB
-1.538 MHz	-1.500 MHz	300.000 kHz	820.99911 MHz	-43.00 dBm	-65.97 dB	-23.00 dB
1.500 MHz	1.538 MHz	300.000 kHz	824.00268 MHz	-43.45 dBm	-66.42 dB	-23.45 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.04732 MHz	-19.95 dBm	-42.93 dB	-6.95 dB

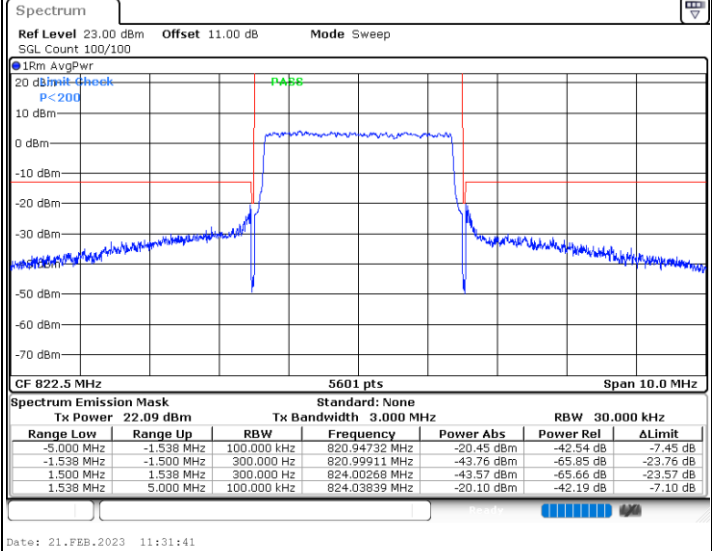
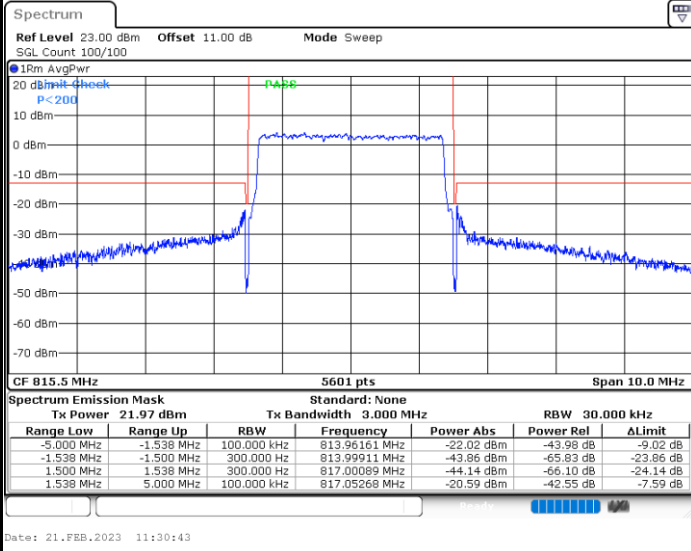
Date: 21.FEB.2023 11:21:35



LTE Band 26 / 3MHz / 64QAM

Lowest Band Edge / Full RB

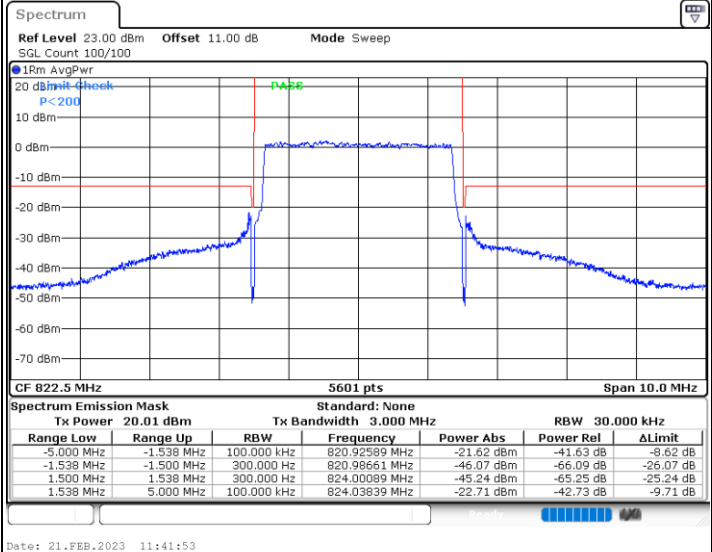
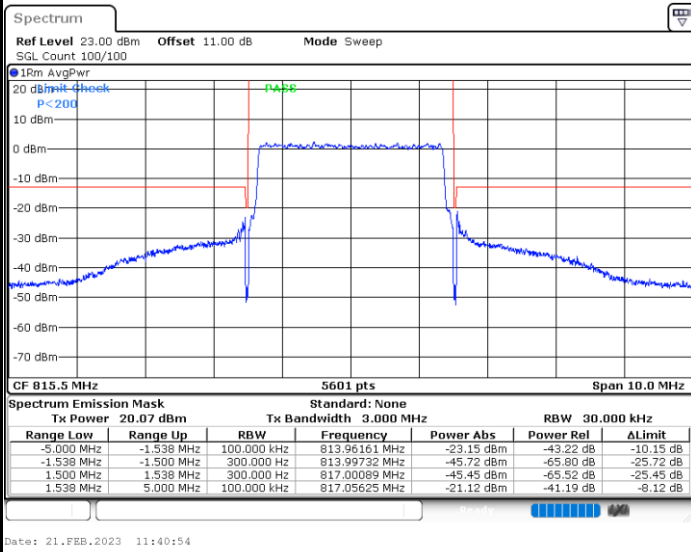
Highest Band Edge / Full RB



LTE Band 26 / 3MHz / 256QAM

Lowest Band Edge / Full RB

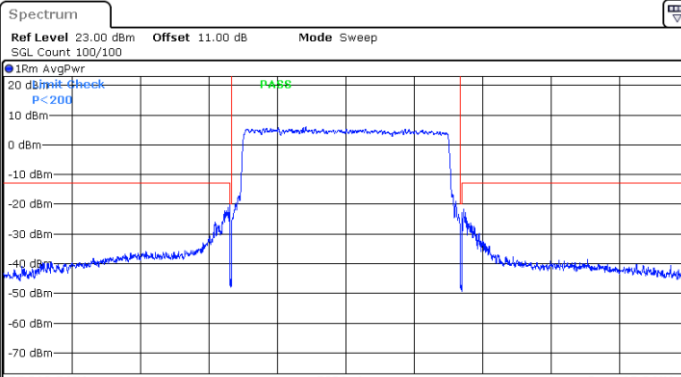
Highest Band Edge / Full RB





LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / Full RB

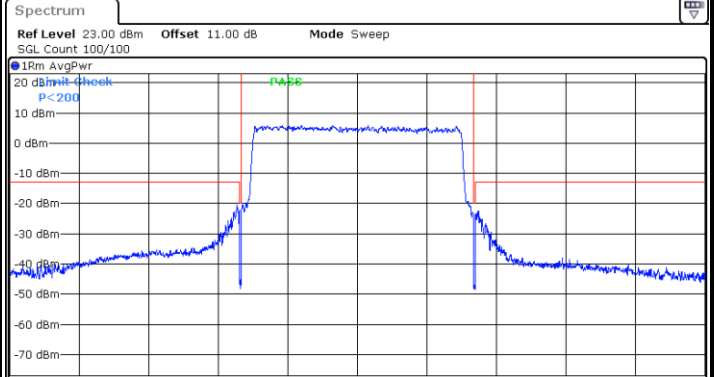


CF 816.5 MHz 5601 pts Span 15.0 MHz

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	813.95312 MHz	-19.92 dBm	-43.59 dB	-6.92 dB
-2.538 MHz	-2.500 MHz	300.000 kHz	813.99866 MHz	-44.79 dBm	-68.46 dB	-24.79 dB
2.500 MHz	2.538 MHz	300.000 kHz	819.00134 MHz	-45.77 dBm	-70.43 dB	-26.77 dB
2.538 MHz	7.500 MHz	100.000 kHz	819.08171 MHz	-21.62 dBm	-45.28 dB	-8.62 dB

Date: 21.FEB.2023 11:22:39

Highest Band Edge / Full RB



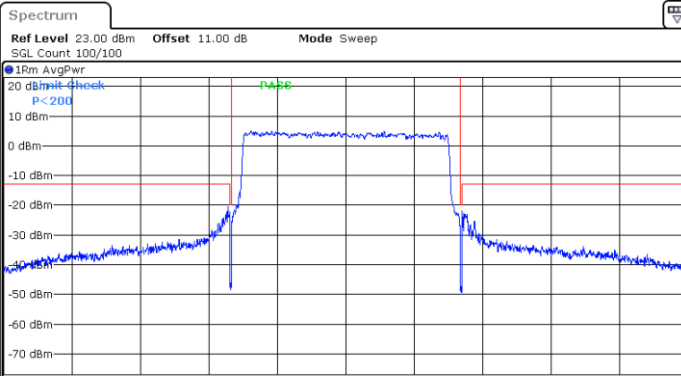
CF 821.5 MHz 5601 pts Span 15.0 MHz

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	818.89953 MHz	-20.57 dBm	-44.45 dB	-7.57 dB
-2.538 MHz	-2.500 MHz	300.000 kHz	818.99866 MHz	-44.51 dBm	-68.39 dB	-24.51 dB
2.500 MHz	2.538 MHz	300.000 kHz	824.00134 MHz	-46.09 dBm	-69.97 dB	-26.09 dB
2.538 MHz	7.500 MHz	100.000 kHz	824.11119 MHz	-22.37 dBm	-46.25 dB	-9.37 dB

Date: 21.FEB.2023 11:24:35

LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / Full RB

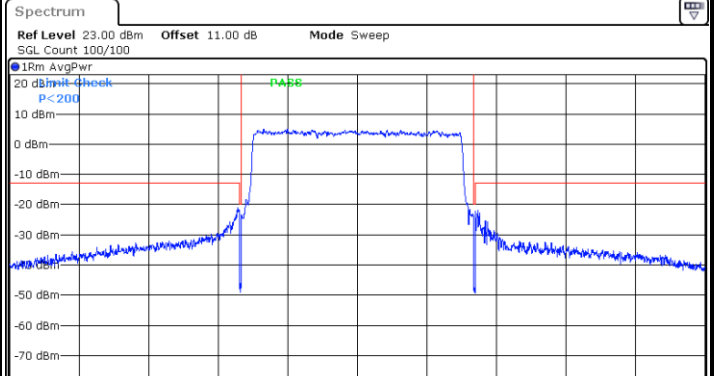


CF 816.5 MHz 5601 pts Span 15.0 MHz

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	813.91293 MHz	-20.54 dBm	-43.43 dB	-7.54 dB
-2.538 MHz	-2.500 MHz	300.000 kHz	813.98795 MHz	-45.79 dBm	-68.68 dB	-25.79 dB
2.500 MHz	2.538 MHz	300.000 kHz	819.00134 MHz	-47.16 dBm	-70.05 dB	-27.16 dB
2.538 MHz	7.500 MHz	100.000 kHz	819.03884 MHz	-22.00 dBm	-44.89 dB	-9.00 dB

Date: 21.FEB.2023 11:23:37

Highest Band Edge / Full RB



CF 821.5 MHz 5601 pts Span 15.0 MHz

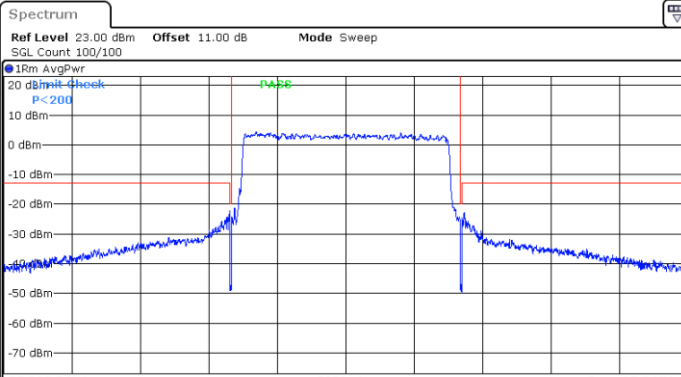
Spectrum Emission Mask		Standard: None		RBW 50.000 kHz		
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	818.91293 MHz	-20.94 dBm	-43.80 dB	-7.94 dB
-2.538 MHz	-2.500 MHz	300.000 kHz	818.98795 MHz	-45.79 dBm	-68.66 dB	-25.79 dB
2.500 MHz	2.538 MHz	300.000 kHz	824.01205 MHz	-46.82 dBm	-69.69 dB	-26.82 dB
2.538 MHz	7.500 MHz	100.000 kHz	824.09511 MHz	-21.94 dBm	-44.81 dB	-8.94 dB

Date: 21.FEB.2023 11:25:33



LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / Full RB

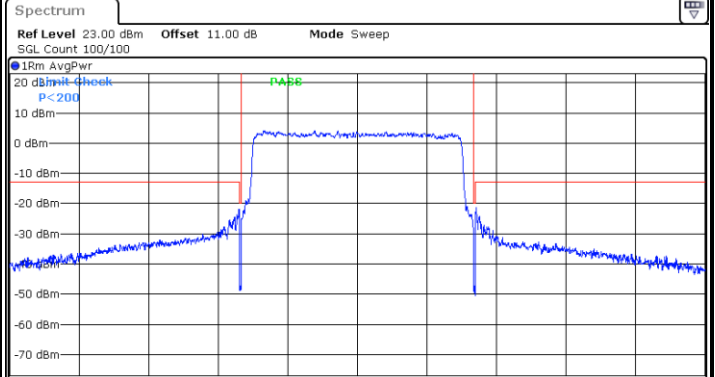


CF 816.5 MHz 5601 pts Span 15.0 MHz

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	813.95044 MHz	-22.13 dBm	-44.12 dB	-9.13 dB
-2.538 MHz	-2.500 MHz	300.000 kHz	813.98795 MHz	-47.11 dBm	-69.10 dB	-27.11 dB
2.500 MHz	2.538 MHz	300.000 kHz	819.02813 MHz	-46.99 dBm	-68.98 dB	-26.99 dB
2.538 MHz	7.500 MHz	100.000 kHz	819.09243 MHz	-22.86 dBm	-44.85 dB	-9.86 dB

Date: 21.FEB.2023 11:32:46

Highest Band Edge / Full RB



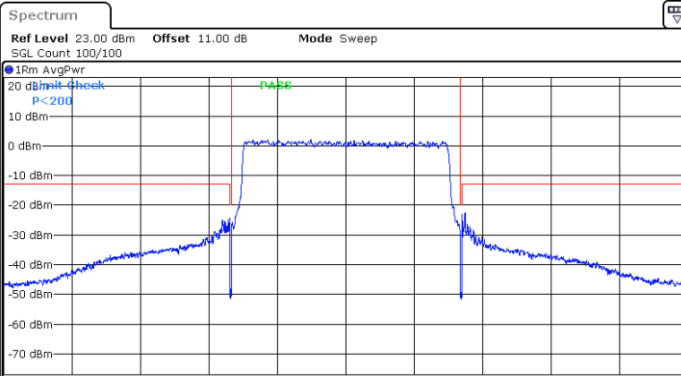
CF 821.5 MHz 5601 pts Span 15.0 MHz

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	818.94776 MHz	-21.81 dBm	-43.78 dB	-8.81 dB
-2.538 MHz	-2.500 MHz	300.000 kHz	818.99866 MHz	-46.64 dBm	-68.61 dB	-26.64 dB
2.500 MHz	2.538 MHz	300.000 kHz	824.00134 MHz	-47.18 dBm	-69.15 dB	-27.18 dB
2.538 MHz	7.500 MHz	100.000 kHz	824.05760 MHz	-21.29 dBm	-43.26 dB	-8.29 dB

Date: 21.FEB.2023 11:33:44

LTE Band 26 / 5MHz / 256QAM

Lowest Band Edge / Full RB

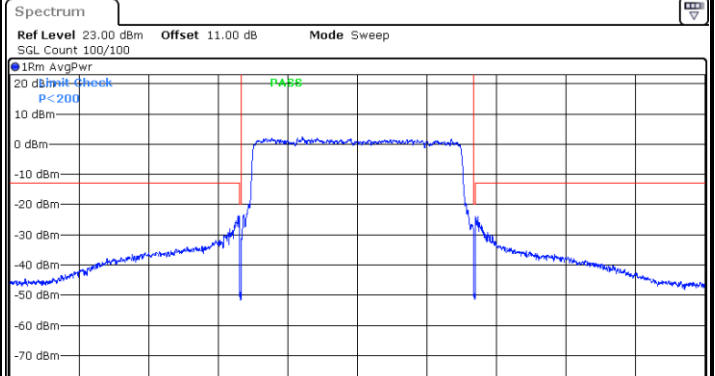


CF 816.5 MHz 5601 pts Span 15.0 MHz

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	813.96117 MHz	-24.16 dBm	-44.12 dB	-11.16 dB
-2.538 MHz	-2.500 MHz	300.000 kHz	813.98527 MHz	-49.25 dBm	-69.21 dB	-29.25 dB
2.500 MHz	2.538 MHz	300.000 kHz	819.00134 MHz	-48.68 dBm	-68.65 dB	-28.68 dB
2.538 MHz	7.500 MHz	100.000 kHz	819.11119 MHz	-22.62 dBm	-42.58 dB	-9.62 dB

Date: 21.FEB.2023 11:42:56

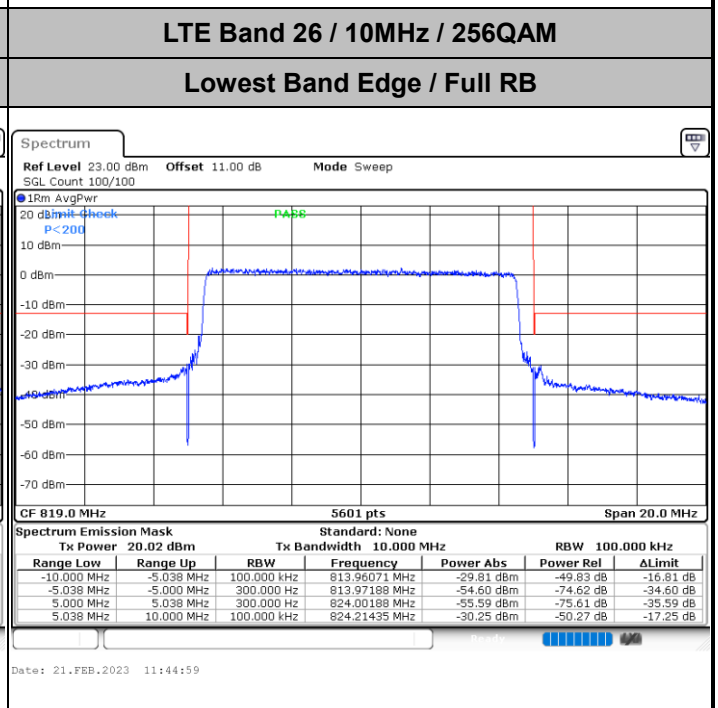
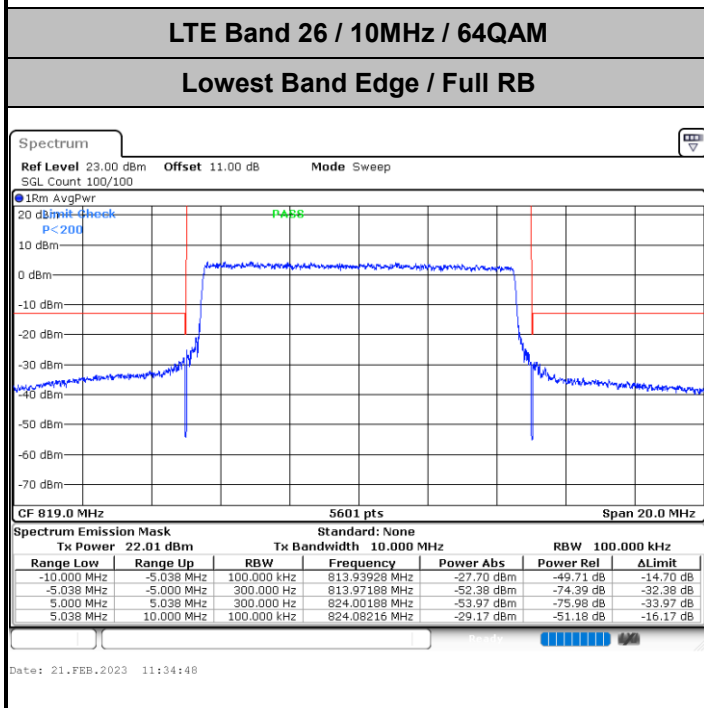
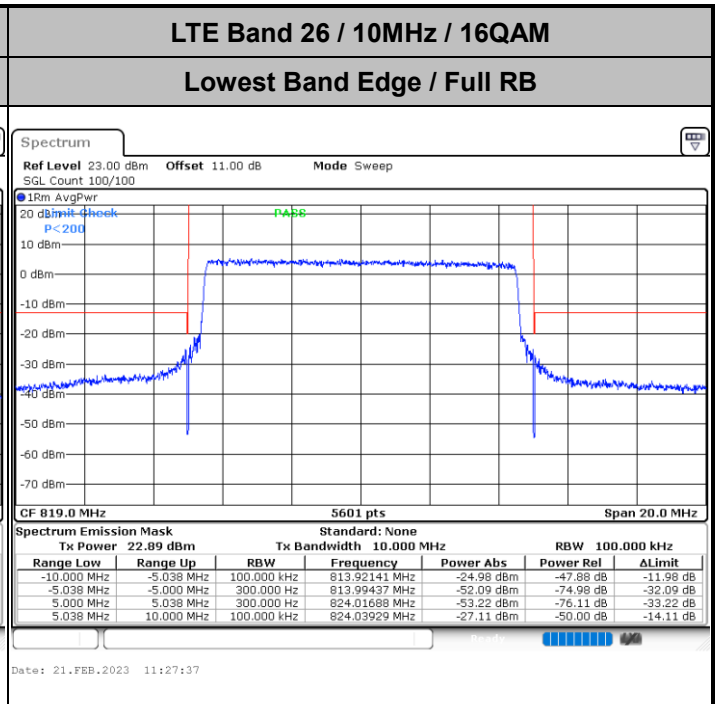
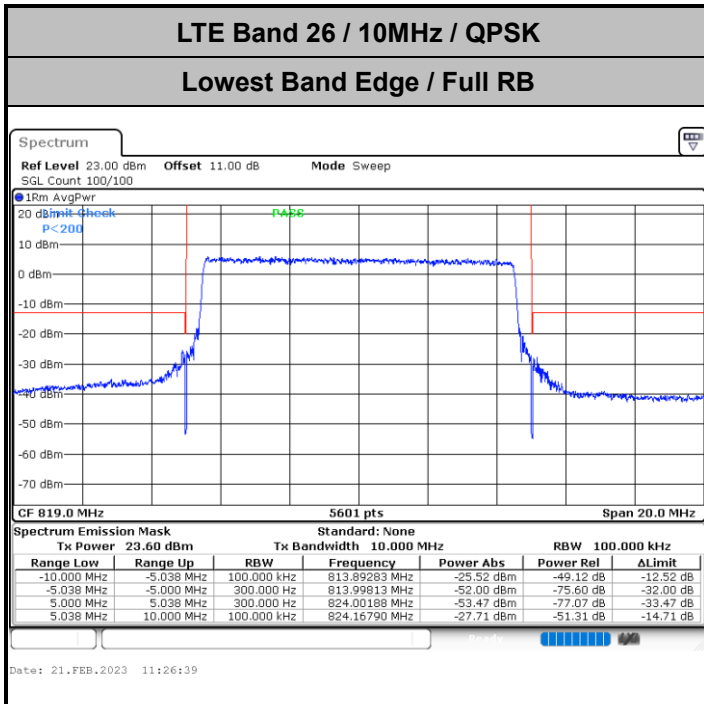
Highest Band Edge / Full RB



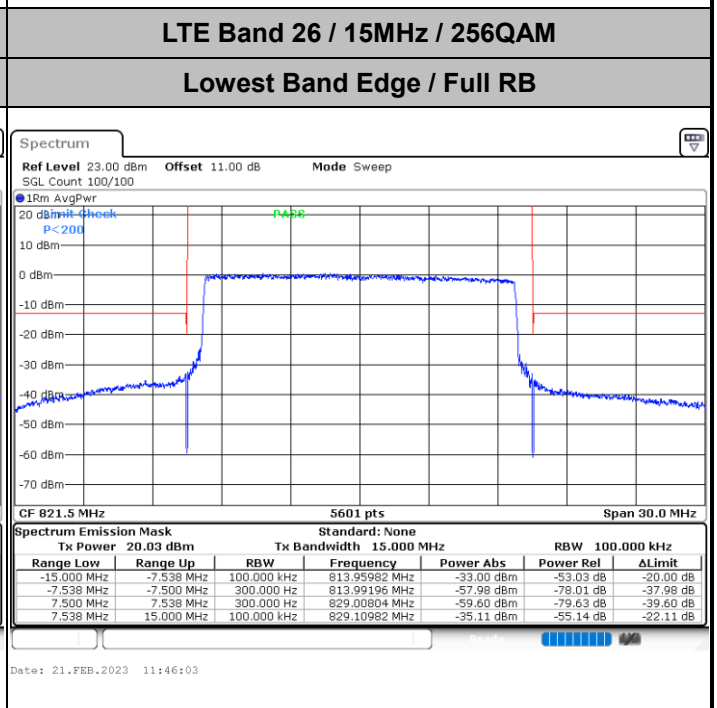
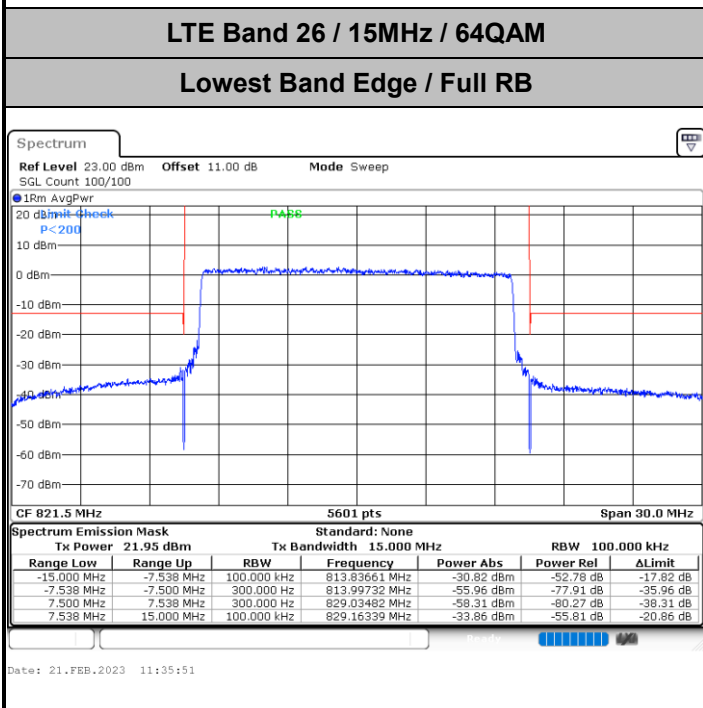
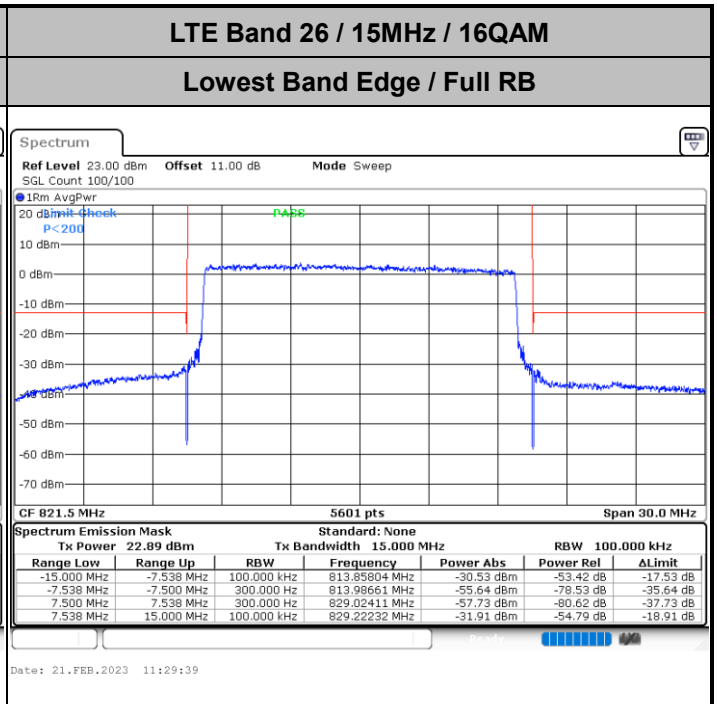
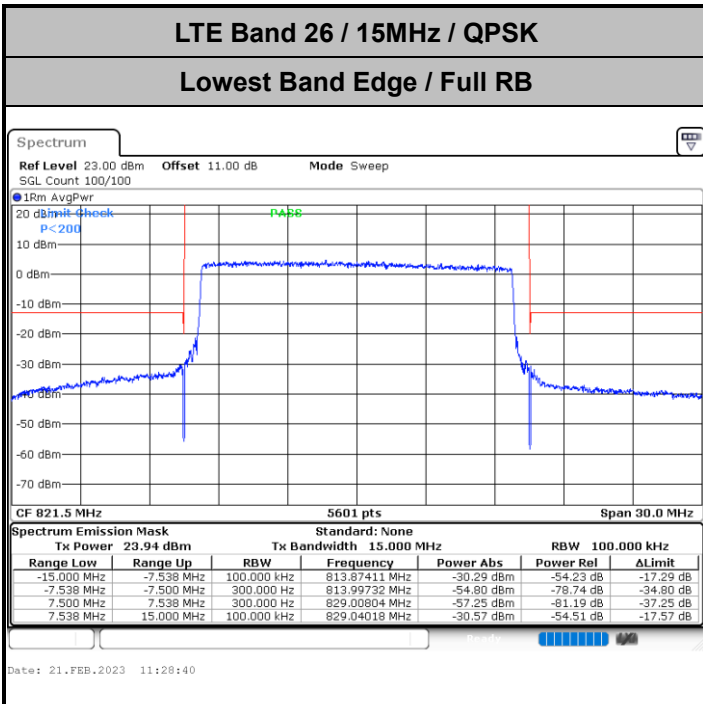
CF 821.5 MHz 5601 pts Span 15.0 MHz

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	818.92901 MHz	-23.75 dBm	-43.73 dB	-10.75 dB
-2.538 MHz	-2.500 MHz	300.000 kHz	818.98795 MHz	-49.06 dBm	-69.04 dB	-29.06 dB
2.500 MHz	2.538 MHz	300.000 kHz	824.01473 MHz	-49.43 dBm	-69.41 dB	-29.43 dB
2.538 MHz	7.500 MHz	100.000 kHz	824.10315 MHz	-24.07 dBm	-44.06 dB	-11.07 dB

Date: 21.FEB.2023 11:43:54









# Emission masks – Out of band emissions





### 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	0.0065	PASS
40	Normal Voltage	0.0104	
30	Normal Voltage	0.0054	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0037	
0	Normal Voltage	0.0029	
-10	Normal Voltage	0.0065	
-20	Normal Voltage	0.0079	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0109	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0060	

**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	0.0110	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0082	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0150	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0045	
-30	Normal Voltage	0.0057	
20	Maximum Voltage	0.0173	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0021	

**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

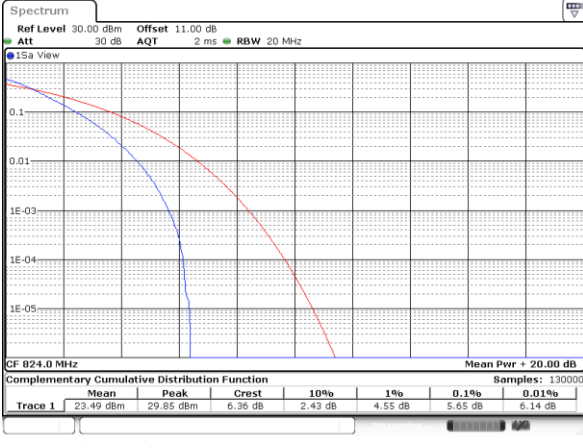
### Peak-to-Average Ratio

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	5.65	6.03	6.29	6.84	PASS



LTE Band 26 / 15MHz / QPSK

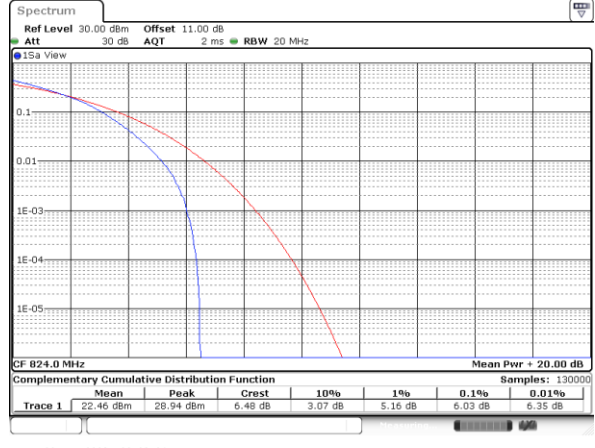
Middle Channel / Full RB



Date: 20.FEB.2023 22:02:54

LTE Band 26 / 15MHz / 16QAM

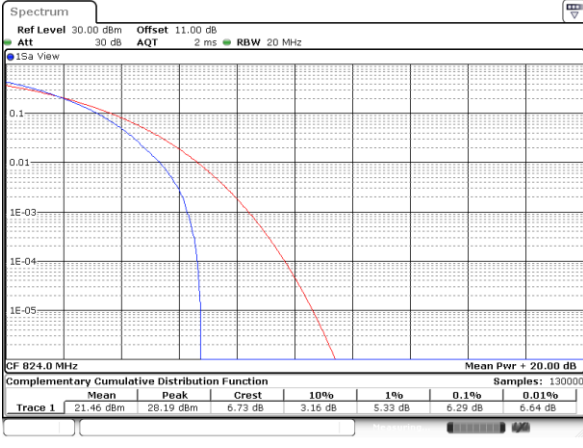
Middle Channel / Full RB



Date: 20.FEB.2023 22:03:24

LTE Band 26 / 15MHz / 64QAM

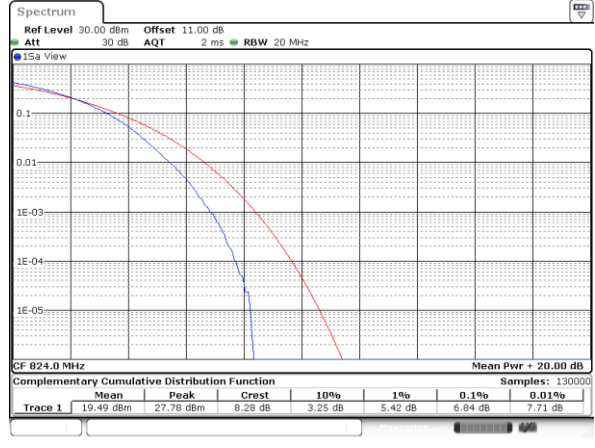
Middle Channel / Full RB



Date: 20.FEB.2023 22:03:55

LTE Band 26 / 15MHz / 256QAM

Middle Channel / Full RB



Date: 20.FEB.2023 22:04:26



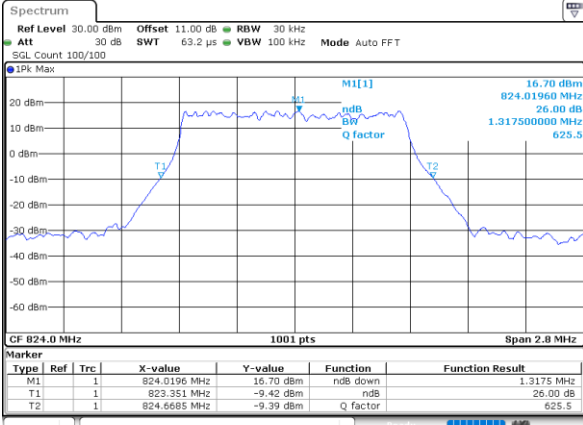
**26dB Bandwidth**

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	1.32	1.24	3.18	3.06	5.27	5.27	10.37	9.93	14.87	14.30	-	-
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	1.30	1.29	3.11	3.07	5.12	5.36	9.95	10.13	14.63	14.66	-	-



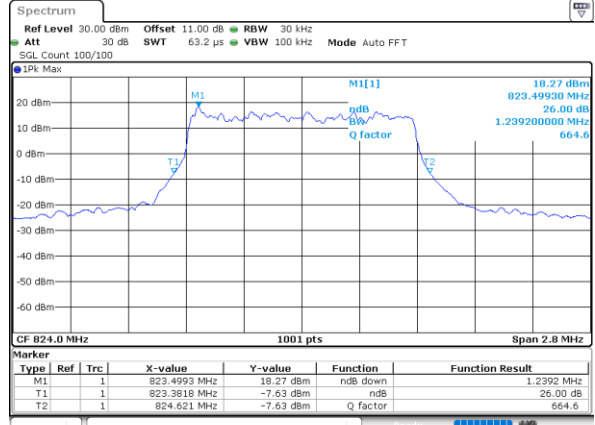
LTE Band 26

Middle Channel / 1.4MHz / QPSK



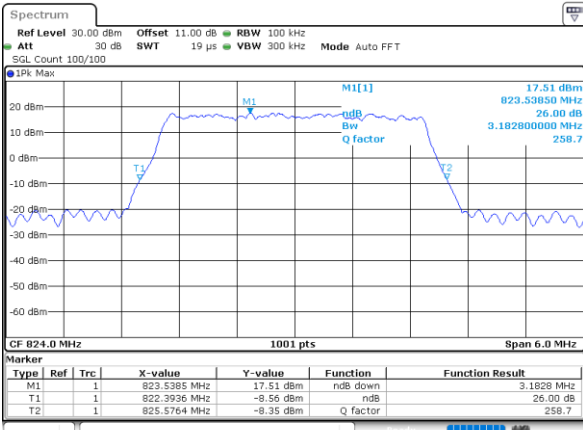
Date: 20.FEB.2023 21:48:07

Middle Channel / 1.4MHz / 16QAM



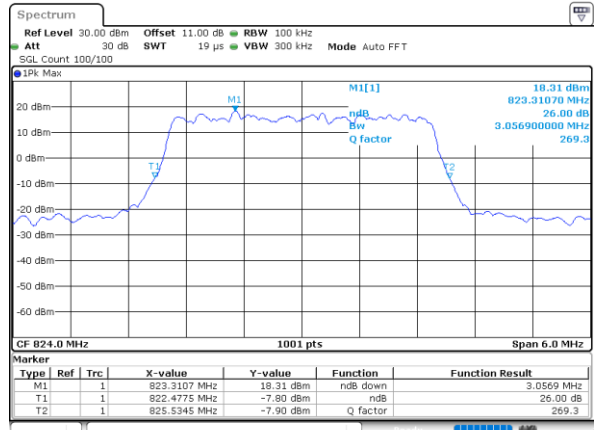
Date: 20.FEB.2023 21:48:36

Middle Channel / 3MHz / QPSK



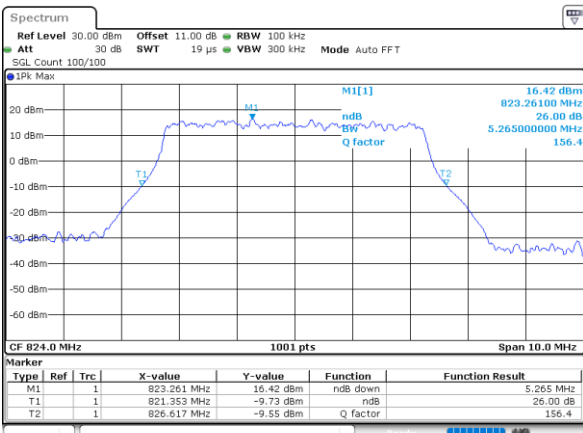
Date: 20.FEB.2023 21:51:08

Middle Channel / 3MHz / 16QAM



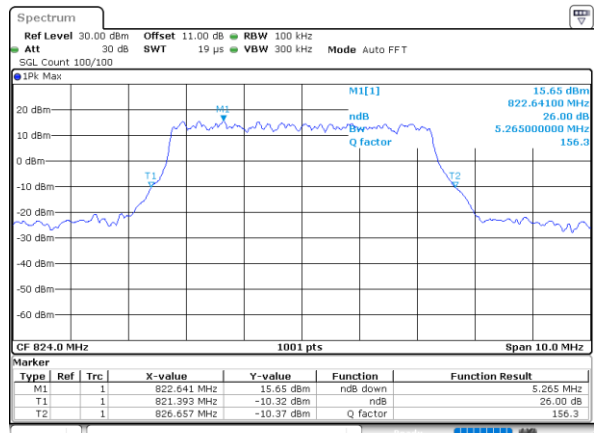
Date: 20.FEB.2023 21:51:37

Middle Channel / 5MHz / QPSK



Date: 20.FEB.2023 21:54:09

Middle Channel / 5MHz / 16QAM



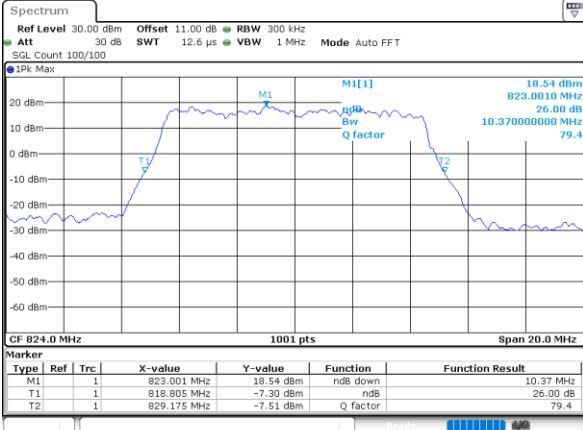
Date: 20.FEB.2023 21:54:39





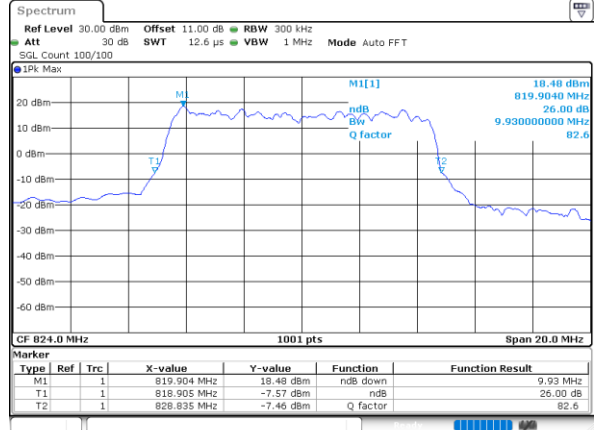
LTE Band 26

Middle Channel / 10MHz / QPSK



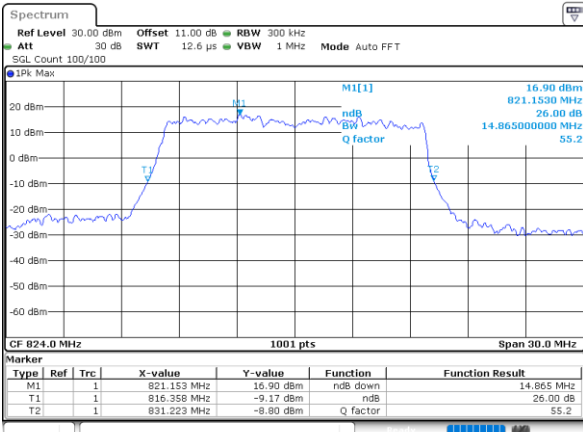
Date: 20.FEB.2023 21:57:11

Middle Channel / 10MHz / 16QAM



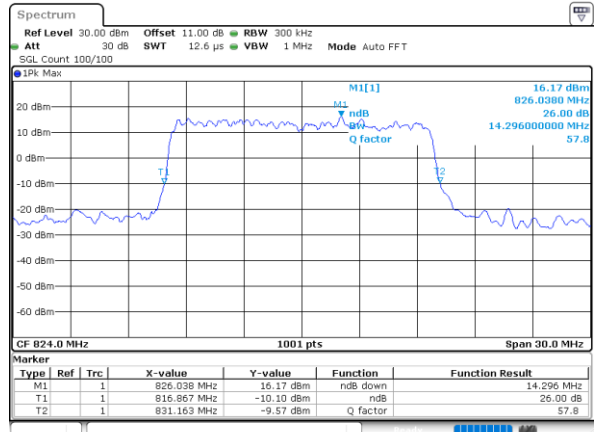
Date: 20.FEB.2023 21:57:41

Middle Channel / 15MHz / QPSK



Date: 20.FEB.2023 22:00:11

Middle Channel / 15MHz / 16QAM

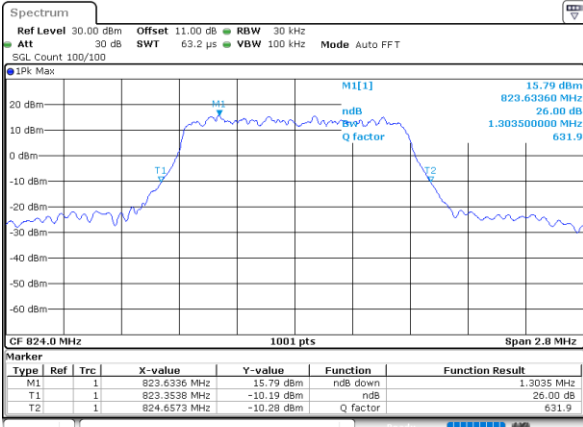


Date: 20.FEB.2023 22:00:41



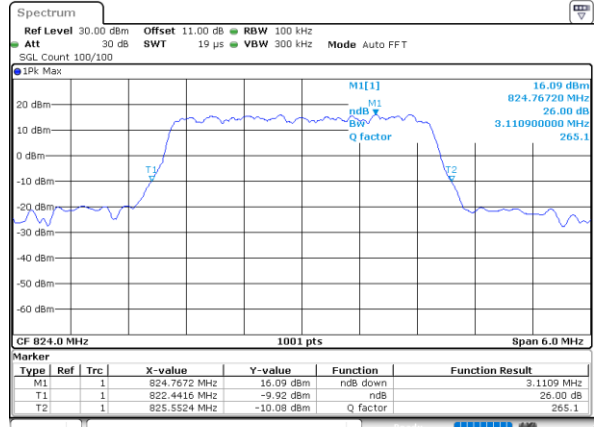
LTE Band 26

Middle Channel / 1.4MHz / 64QAM



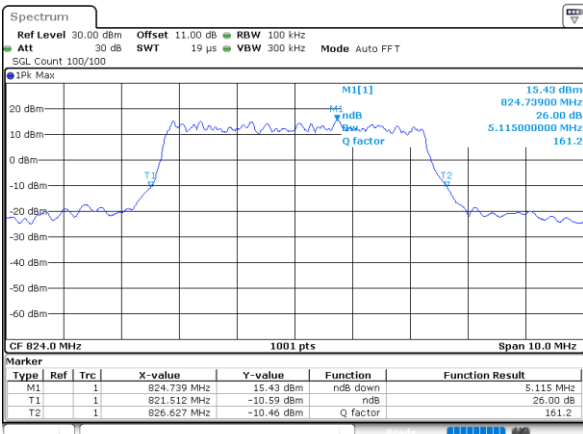
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Middle Channel / 3MHz / 64QAM



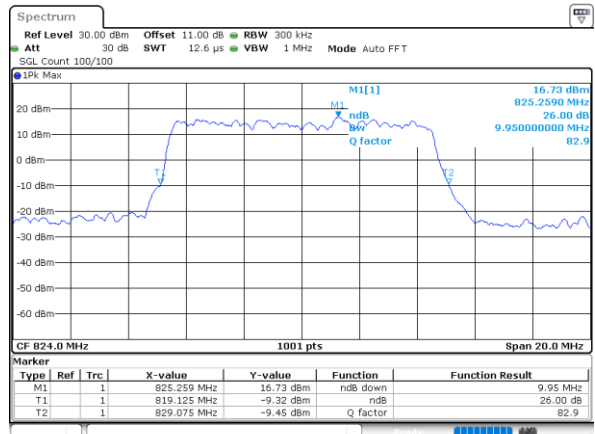
Date: 20, FEB, 2023 21:52:37

Middle Channel / 5MHz / 64QAM



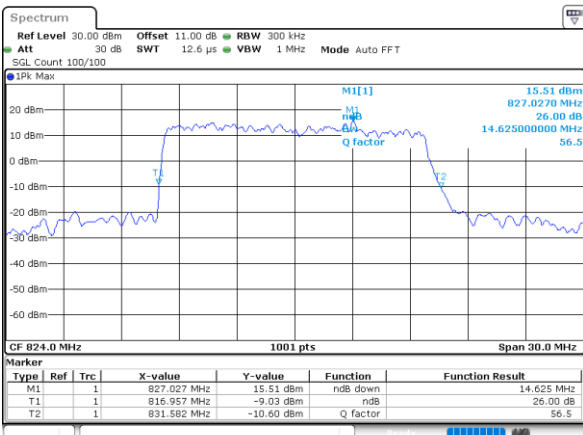
Date: 20, FEB, 2023 21:55:37

Middle Channel / 10MHz / 64QAM



Date: 20, FEB, 2023 21:58:38

Middle Channel / 15MHz / 64QAM



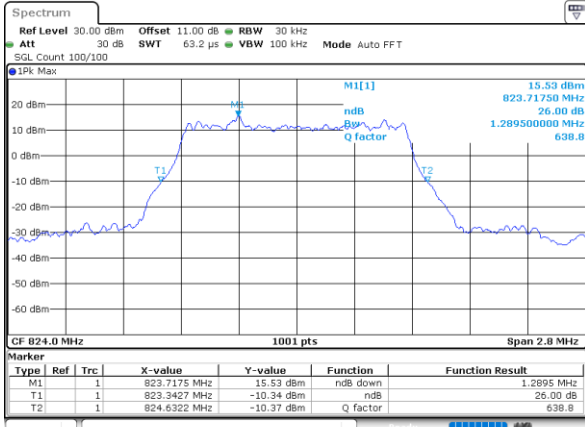
Date: 20, FEB, 2023 22:01:39

N/A



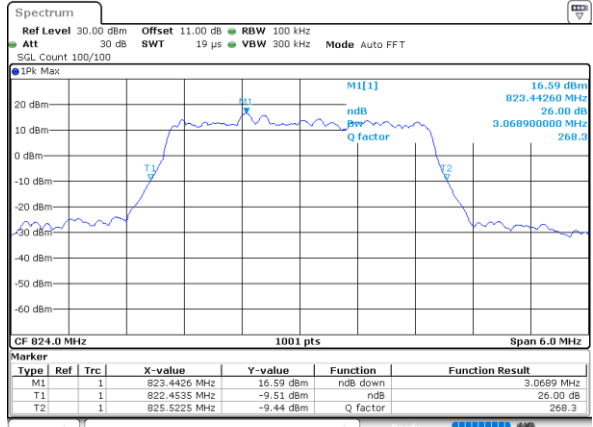
LTE Band 26

Middle Channel / 1.4MHz / 256QAM



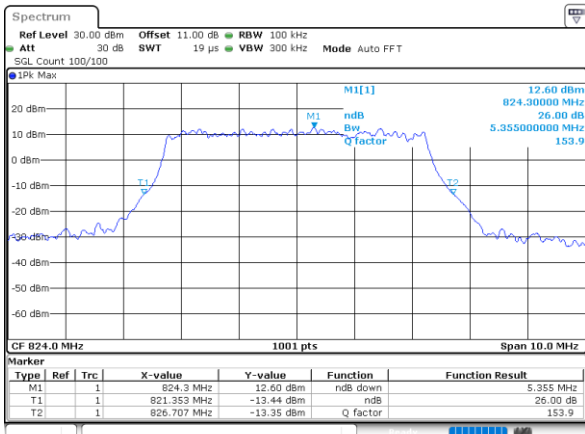
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Middle Channel / 3MHz / 256QAM



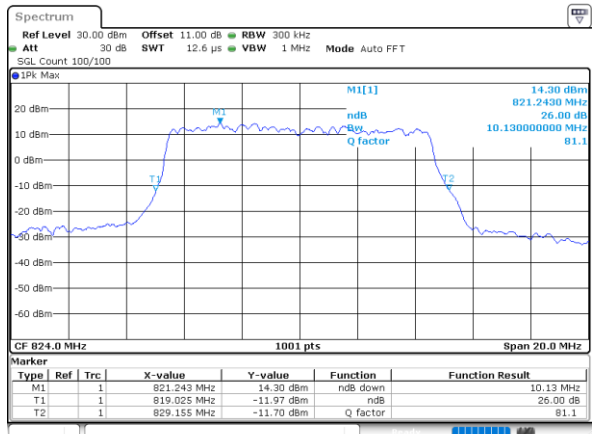
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Middle Channel / 5MHz / 256QAM



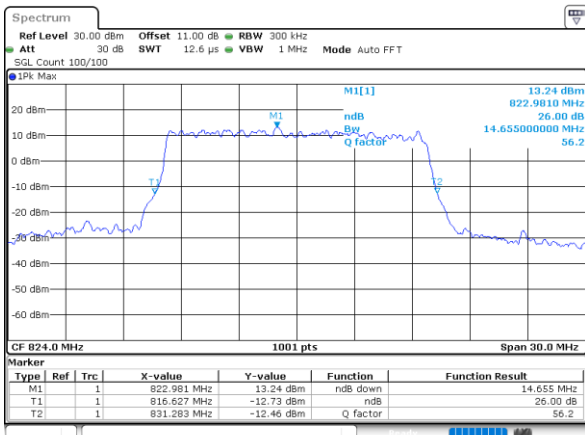
Date: 20.FEB.2023 21:56:21

Middle Channel / 10MHz / 256QAM



Date: 20.FEB.2023 21:59:22

Middle Channel / 15MHz / 256QAM



Date: 20.FEB.2023 22:02:23

N/A



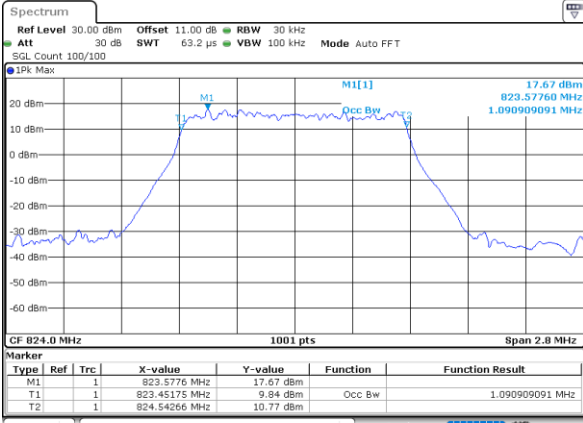
**Occupied Bandwidth**

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	1.11	2.71	2.74	4.49	4.50	9.05	9.05	13.46	13.49	-	-
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	1.09	1.10	2.72	2.73	4.53	4.52	9.03	8.99	13.43	13.34	-	-



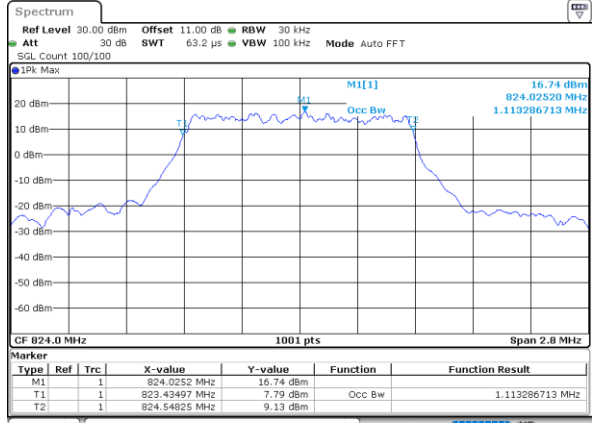
LTE Band 26

Middle Channel / 1.4MHz / QPSK



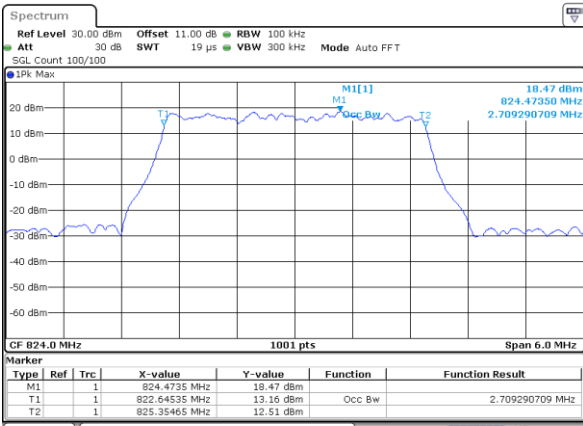
Date: 20.FEB.2023 21:47:53

Middle Channel / 1.4MHz / 16QAM



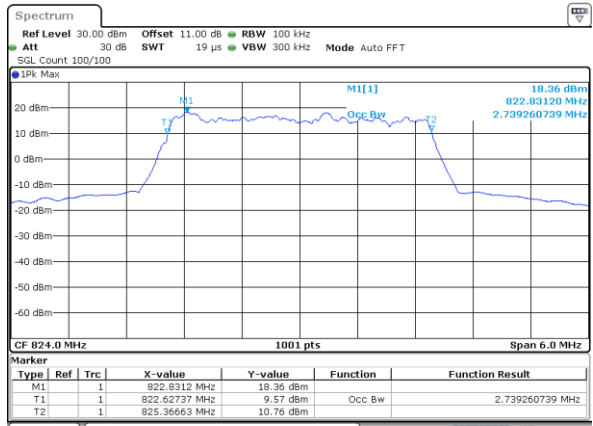
Date: 20.FEB.2023 21:48:50

Middle Channel / 3MHz / QPSK



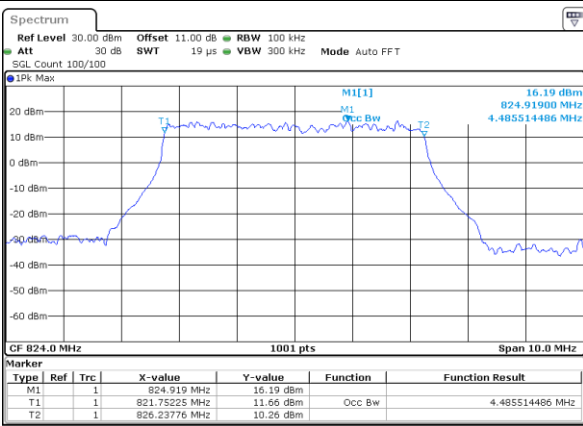
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Middle Channel / 3MHz / 16QAM



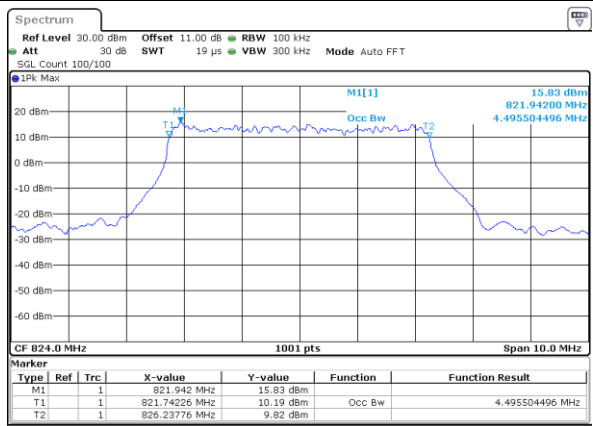
Date: 20.FEB.2023 21:51:51

Middle Channel / 5MHz / QPSK



Date: 20.FEB.2023 21:53:55

Middle Channel / 5MHz / 16QAM

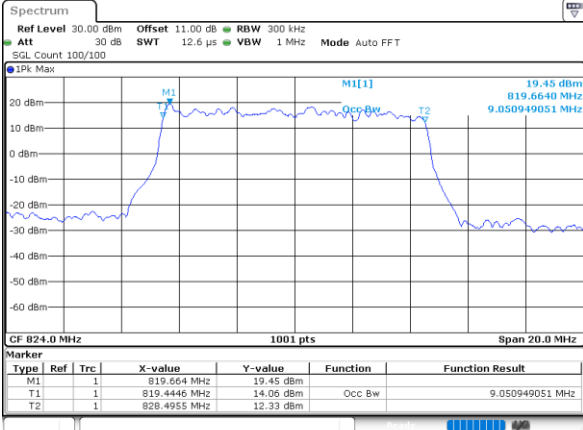


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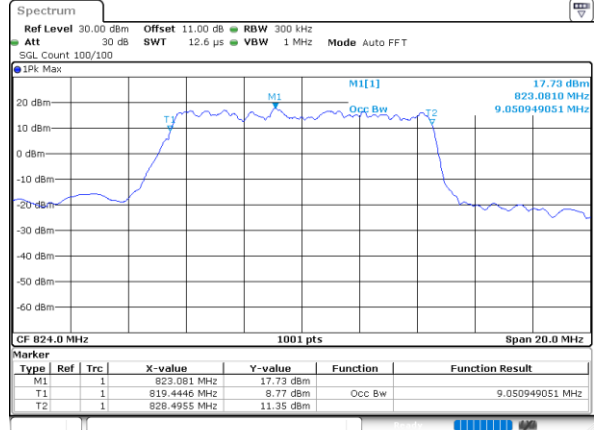
LTE Band 26

Middle Channel / 10MHz / QPSK



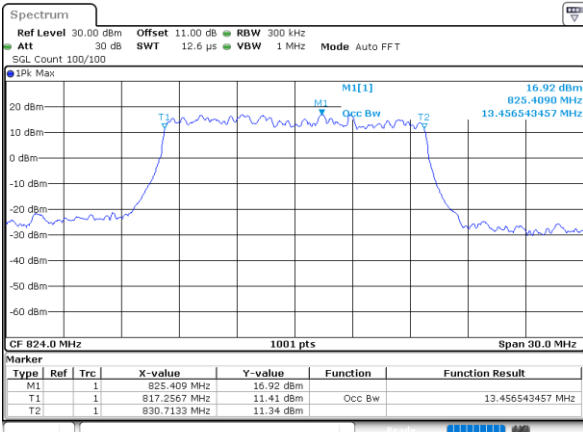
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Middle Channel / 10MHz / 16QAM



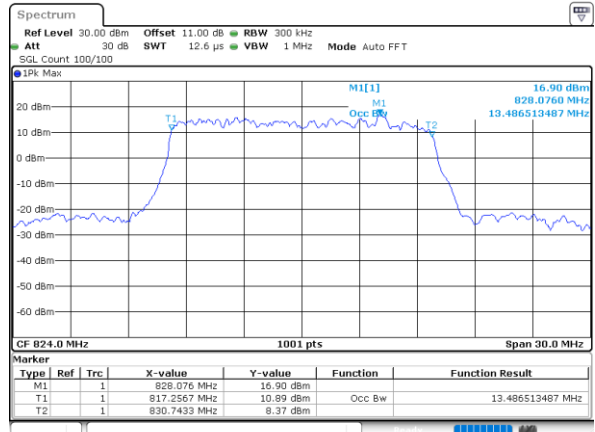
Date: 20.FEB.2023 21:57:55

Middle Channel / 15MHz / QPSK



Date: 20.FEB.2023 21:59:57

Middle Channel / 15MHz / 16QAM

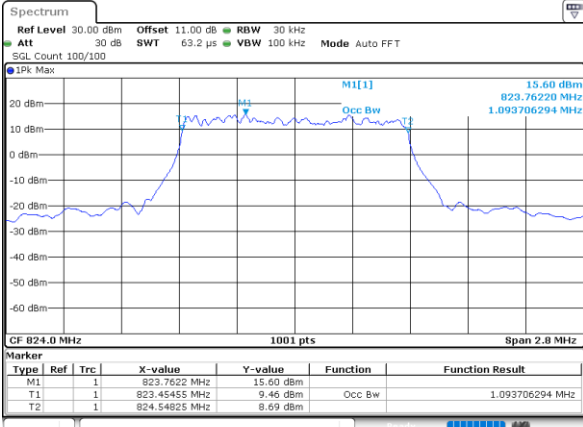


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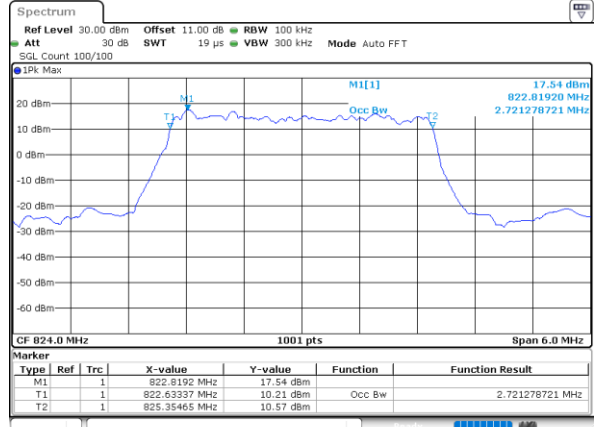
LTE Band 26

Middle Channel / 1.4MHz / 64QAM



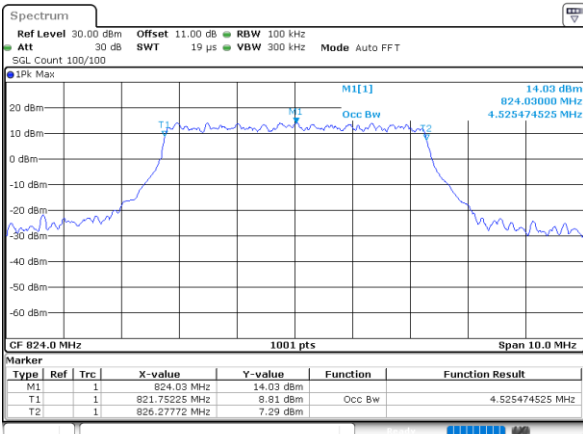
Date: 20.FEB.2023 21:49:20

Middle Channel / 3MHz / 64QAM



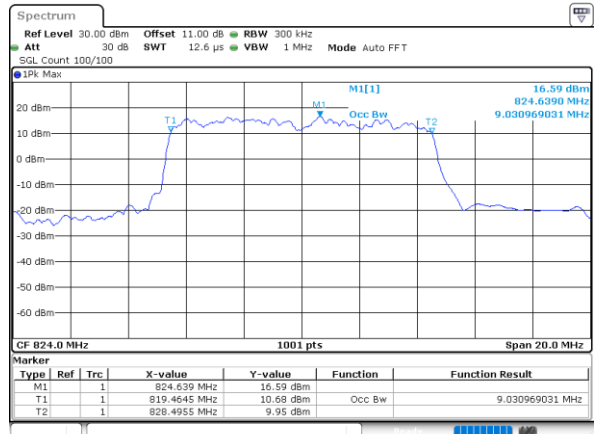
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Middle Channel / 5MHz / 64QAM



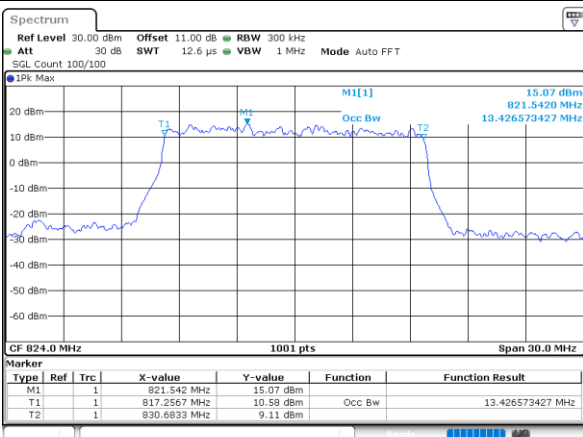
Date: 20.FEB.2023 21:55:23

Middle Channel / 10MHz / 64QAM



Date: 20.FEB.2023 21:58:24

Middle Channel / 15MHz / 64QAM



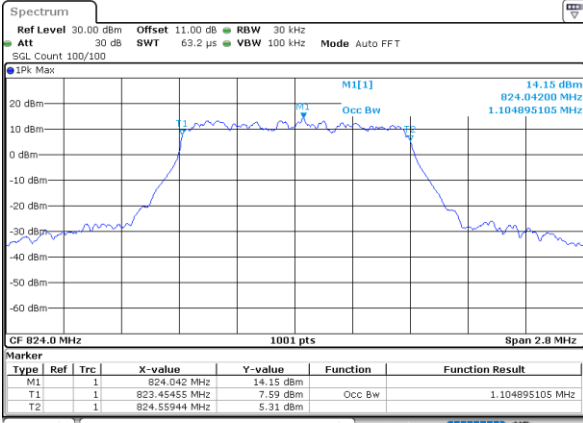
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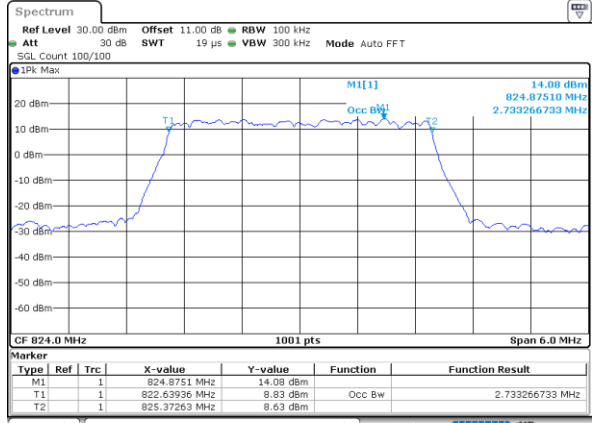
LTE Band 26

Middle Channel / 1.4MHz / 256QAM



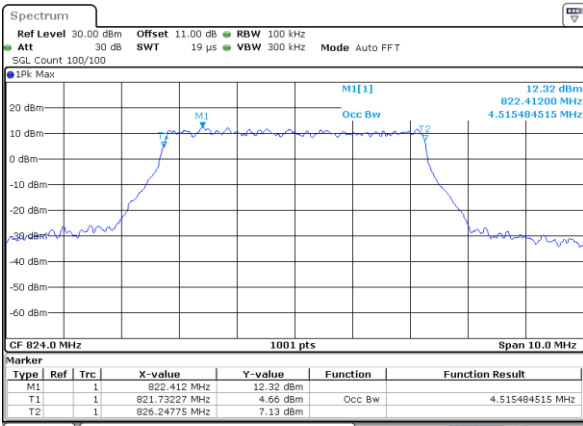
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Middle Channel / 3MHz / 256QAM



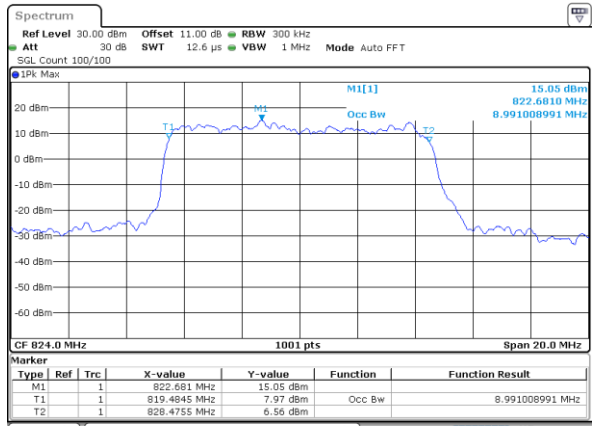
Date: 20.FEB.2023 21:53:07

Middle Channel / 5MHz / 256QAM



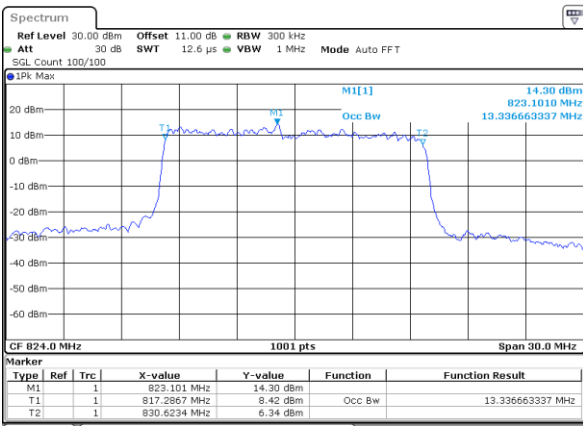
Date: 20.FEB.2023 21:56:07

Middle Channel / 10MHz / 256QAM



Date: 20.FEB.2023 21:59:08

Middle Channel /15MHz / 256QAM



Date: 20.FEB.2023 22:02:09

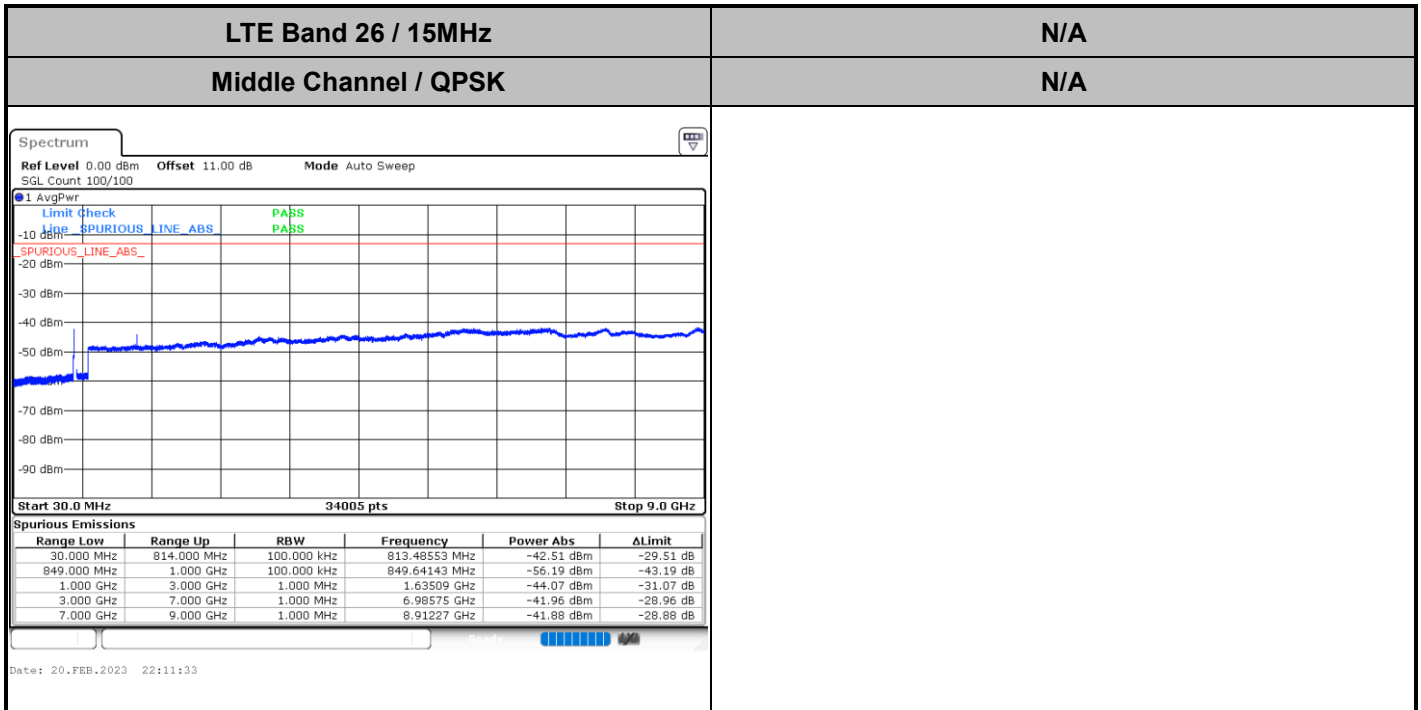
N/A





# Conducted Spurious Emission

LTE Band 26 / 1.4MHz		LTE Band 26 / 3MHz																																																																									
Middle Channel / QPSK		Middle Channel / QPSK																																																																									
<p>Spectrum</p> <p>Ref Level 0.00 dBm Offset 11.00 dB Mode Auto Sweep SGL Count 100/100</p> <p>Start 30.0 MHz Stop 9.0 GHz</p> <table border="1"> <thead> <tr> <th>Range Low</th> <th>Range Up</th> <th>RBW</th> <th>Frequency</th> <th>Power Abs</th> <th>ΔLimit</th> </tr> </thead> <tbody> <tr> <td>30.000 MHz</td> <td>814.000 MHz</td> <td>100.000 kHz</td> <td>811.47666 MHz</td> <td>-42.95 dBm</td> <td>-29.95 dB</td> </tr> <tr> <td>849.000 MHz</td> <td>1.000 GHz</td> <td>100.000 kHz</td> <td>994.07621 MHz</td> <td>-55.93 dBm</td> <td>-43.93 dB</td> </tr> <tr> <td>1.000 GHz</td> <td>3.000 GHz</td> <td>1.000 MHz</td> <td>1.64709 GHz</td> <td>-43.68 dBm</td> <td>-30.68 dB</td> </tr> <tr> <td>3.000 GHz</td> <td>7.000 GHz</td> <td>1.000 MHz</td> <td>6.92676 GHz</td> <td>-41.90 dBm</td> <td>-28.90 dB</td> </tr> <tr> <td>7.000 GHz</td> <td>9.000 GHz</td> <td>1.000 MHz</td> <td>7.72907 GHz</td> <td>-41.98 dBm</td> <td>-28.98 dB</td> </tr> </tbody> </table> <p>Date: 20.FEB.2023 22:05:52</p>		Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit	30.000 MHz	814.000 MHz	100.000 kHz	811.47666 MHz	-42.95 dBm	-29.95 dB	849.000 MHz	1.000 GHz	100.000 kHz	994.07621 MHz	-55.93 dBm	-43.93 dB	1.000 GHz	3.000 GHz	1.000 MHz	1.64709 GHz	-43.68 dBm	-30.68 dB	3.000 GHz	7.000 GHz	1.000 MHz	6.92676 GHz	-41.90 dBm	-28.90 dB	7.000 GHz	9.000 GHz	1.000 MHz	7.72907 GHz	-41.98 dBm	-28.98 dB	<p>Spectrum</p> <p>Ref Level 0.00 dBm Offset 11.00 dB Mode Auto Sweep SGL Count 100/100</p> <p>Start 30.0 MHz Stop 9.0 GHz</p> <table border="1"> <thead> <tr> <th>Range Low</th> <th>Range Up</th> <th>RBW</th> <th>Frequency</th> <th>Power Abs</th> <th>ΔLimit</th> </tr> </thead> <tbody> <tr> <td>30.000 MHz</td> <td>814.000 MHz</td> <td>100.000 kHz</td> <td>810.64371 MHz</td> <td>-44.97 dBm</td> <td>-31.97 dB</td> </tr> <tr> <td>849.000 MHz</td> <td>1.000 GHz</td> <td>100.000 kHz</td> <td>850.99975 MHz</td> <td>-56.46 dBm</td> <td>-43.46 dB</td> </tr> <tr> <td>1.000 GHz</td> <td>3.000 GHz</td> <td>1.000 MHz</td> <td>1.64559 GHz</td> <td>-44.04 dBm</td> <td>-31.04 dB</td> </tr> <tr> <td>3.000 GHz</td> <td>7.000 GHz</td> <td>1.000 MHz</td> <td>6.94026 GHz</td> <td>-41.81 dBm</td> <td>-28.81 dB</td> </tr> <tr> <td>7.000 GHz</td> <td>9.000 GHz</td> <td>1.000 MHz</td> <td>7.71907 GHz</td> <td>-42.08 dBm</td> <td>-29.08 dB</td> </tr> </tbody> </table> <p>Date: 20.FEB.2023 22:07:17</p>		Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit	30.000 MHz	814.000 MHz	100.000 kHz	810.64371 MHz	-44.97 dBm	-31.97 dB	849.000 MHz	1.000 GHz	100.000 kHz	850.99975 MHz	-56.46 dBm	-43.46 dB	1.000 GHz	3.000 GHz	1.000 MHz	1.64559 GHz	-44.04 dBm	-31.04 dB	3.000 GHz	7.000 GHz	1.000 MHz	6.94026 GHz	-41.81 dBm	-28.81 dB	7.000 GHz	9.000 GHz	1.000 MHz	7.71907 GHz	-42.08 dBm	-29.08 dB
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### 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	0.0057	PASS
40	Normal Voltage	0.0083	
30	Normal Voltage	0.0140	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0093	
0	Normal Voltage	0.0073	
-10	Normal Voltage	0.0042	
-20	Normal Voltage	0.0097	
-30	Normal Voltage	0.0033	
20	Maximum Voltage	0.0075	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0146	

**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	0.0110	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0082	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0150	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0045	
-30	Normal Voltage	0.0057	
20	Maximum Voltage	0.0173	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0021	

**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 30

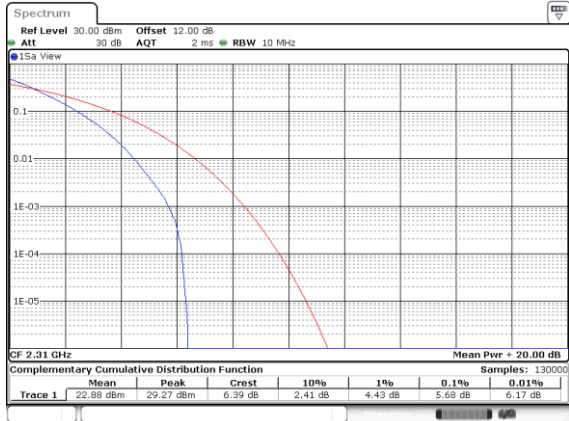
### Peak-to-Average Ratio

Mode	LTE Band 30 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.68	6.52	6.70	6.67	PASS



LTE Band 30 / 10MHz / QPSK

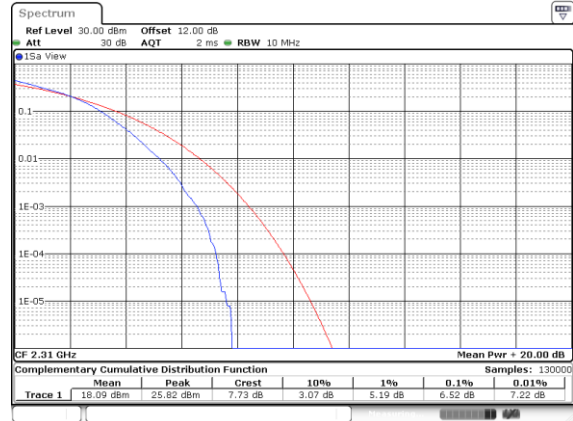
Middle Channel / Full RB



Date: 10.FEB.2023 12:22:25

LTE Band 30 / 10MHz / 16QAM

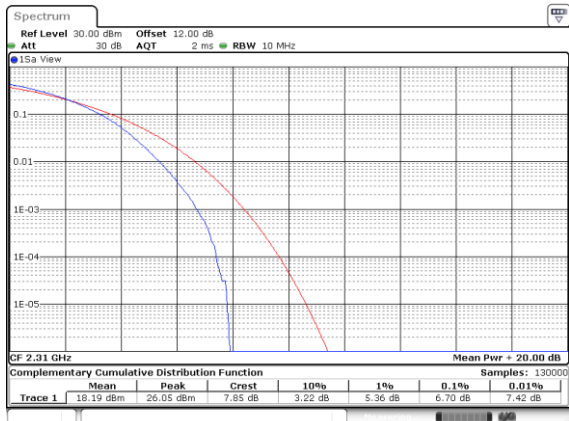
Middle Channel / Full RB



Date: 10.FEB.2023 12:22:56

LTE Band 30 / 10MHz / 64QAM

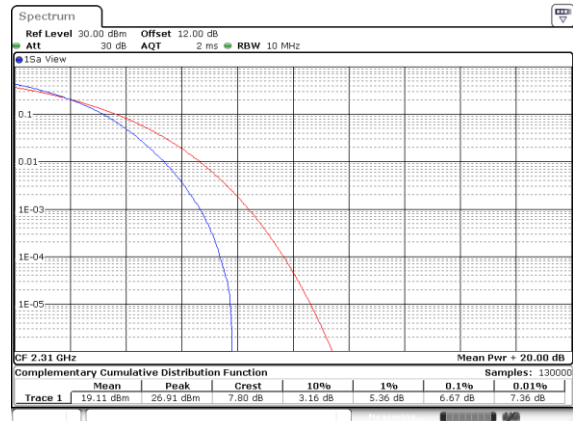
Middle Channel / Full RB



Date: 10.FEB.2023 12:23:26

LTE Band 30 / 10MHz / 256QAM

Middle Channel / Full RB



Date: 10.FEB.2023 12:23:57



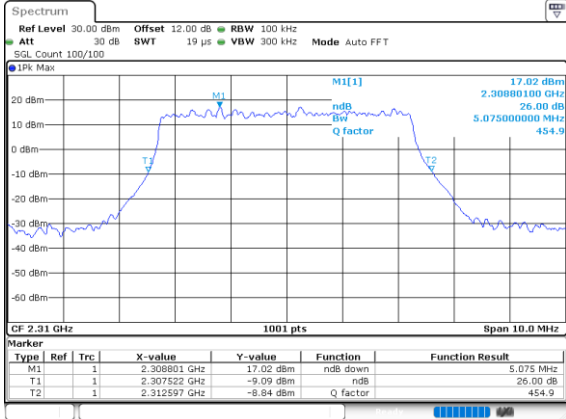
**26dB Bandwidth**

Mode	LTE Band 30 : 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	-	-	-	-	5.08	5.08	9.95	10.47	-	-	-	-
Mode	LTE Band 30 : 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	-	-	-	-	5.25	5.09	10.19	10.47	-	-	-	-



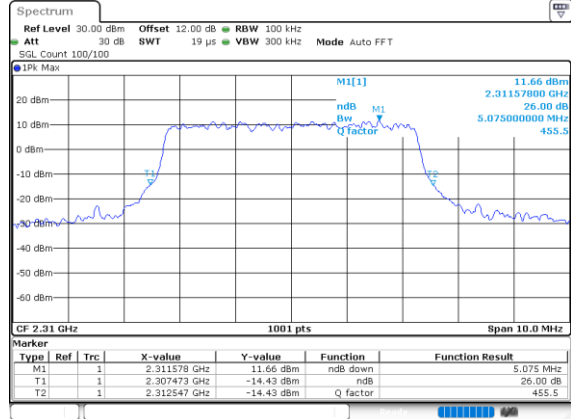
LTE Band 30

Middle Channel / 5MHz / QPSK



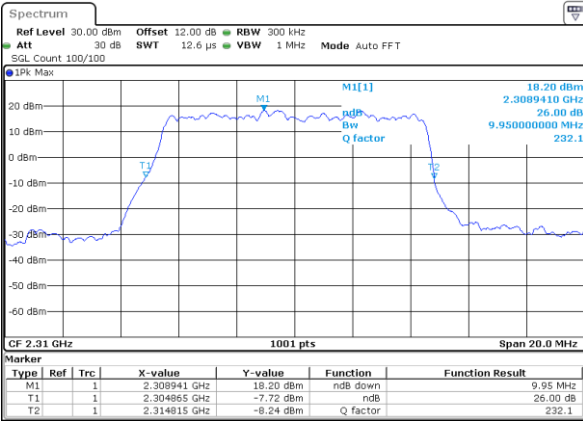
Date: 10.FEB.2023 12:16:27

Middle Channel / 5MHz / 16QAM



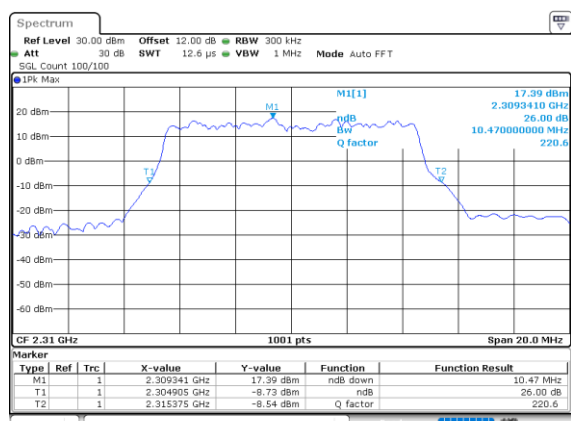
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Middle Channel / 10MHz / QPSK



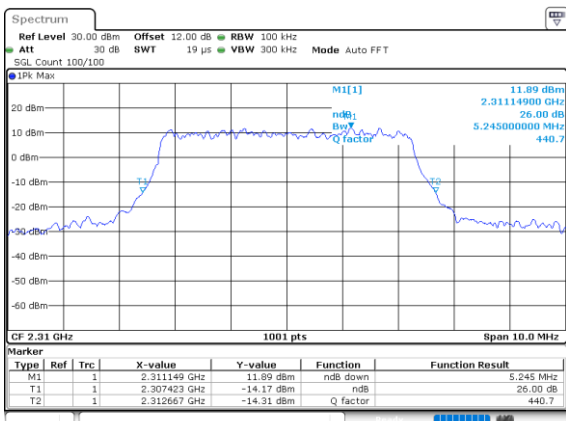
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Middle Channel / 10MHz / 16QAM



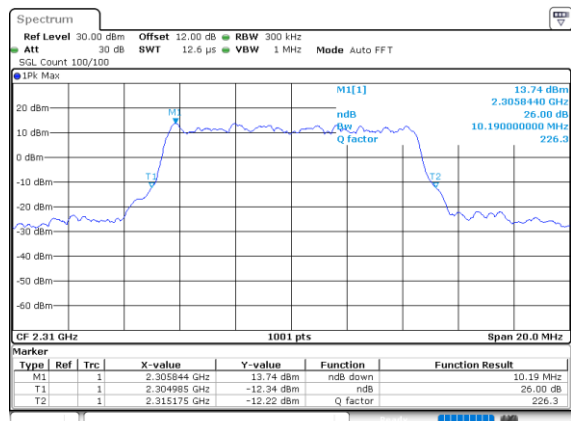
Date: 10.FEB.2023 12:20:55

Middle Channel / 5MHz / 64QAM



Date: 10.FEB.2023 12:17:25

Middle Channel / 10MHz / 64QAM



Date: 10.FEB.2023 12:21:24

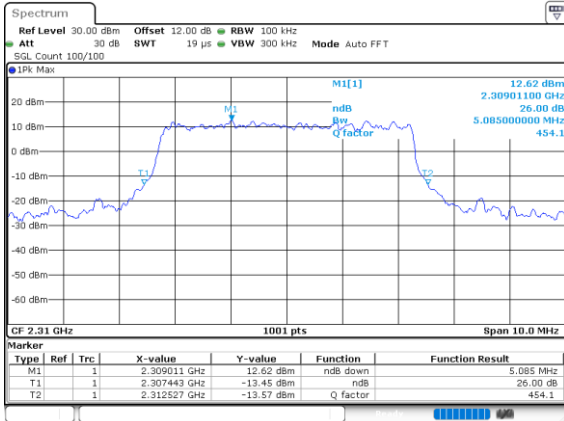




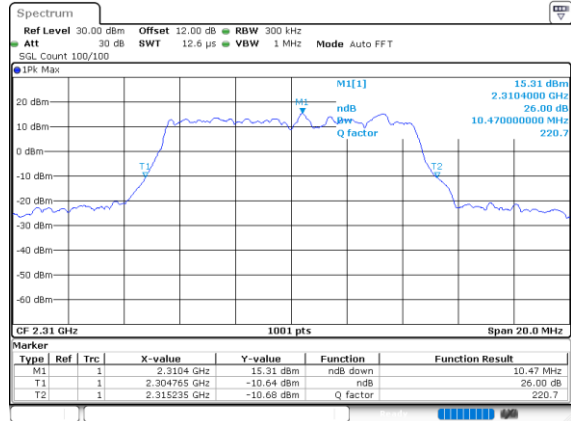
LTE Band 30

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



Date: 10.FEB.2023 12:17:55



Date: 10.FEB.2023 12:21:55



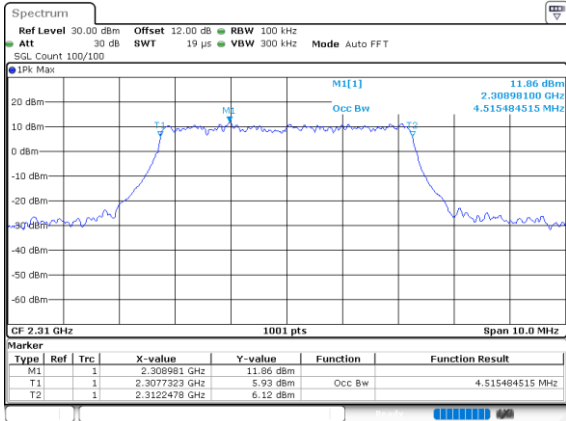
Occupied Bandwidth

Mode	LTE Band 30 : 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	-	-	-	-	4.52	4.49	9.03	9.09	-	-	-	-
Mode	LTE Band 30 : 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	-	-	-	-	4.51	4.52	9.15	9.03	-	-	-	-



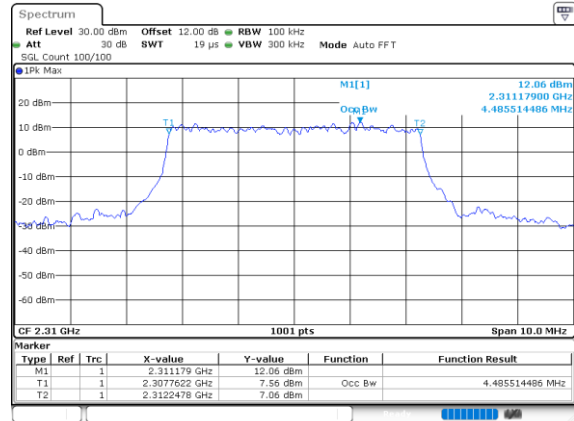
LTE Band 30

Middle Channel / 5MHz / QPSK



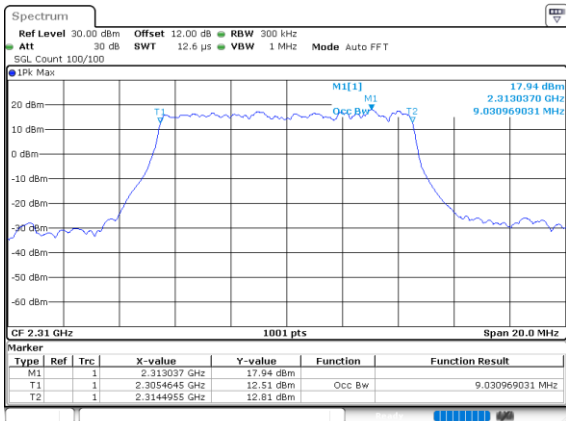
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Middle Channel / 5MHz / 16QAM



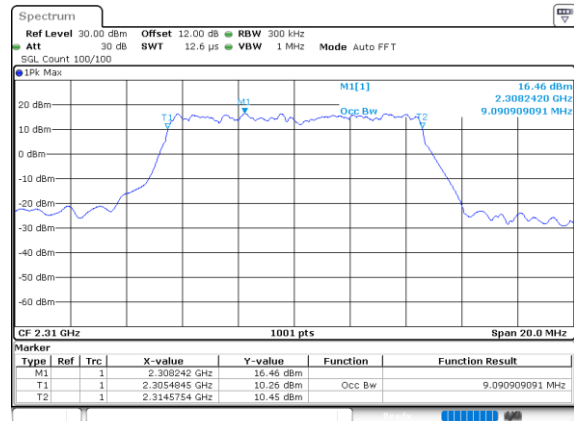
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Middle Channel / 10MHz / QPSK



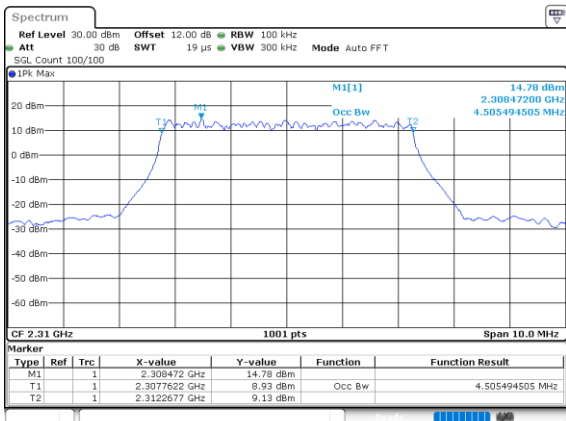
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Middle Channel / 10MHz / 16QAM



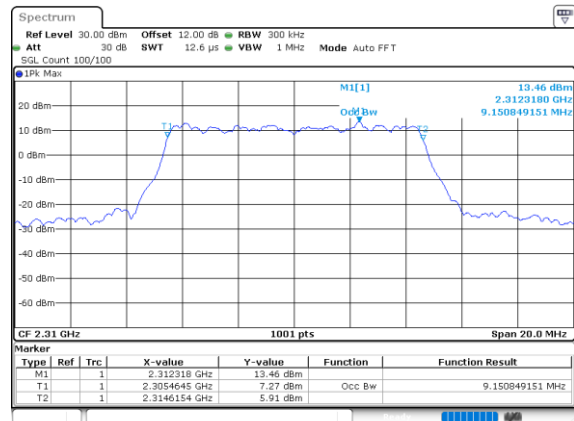
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Middle Channel / 5MHz / 64QAM



Date: 10.FEB.2023 12:15:30

Middle Channel / 10MHz / 64QAM



Date: 10.FEB.2023 12:19:28