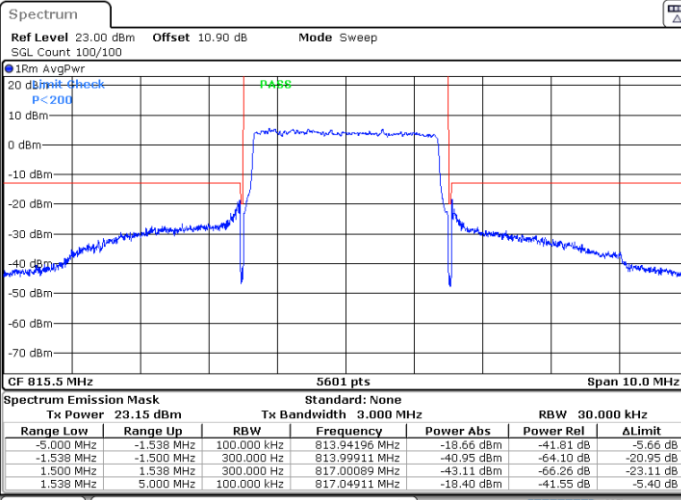




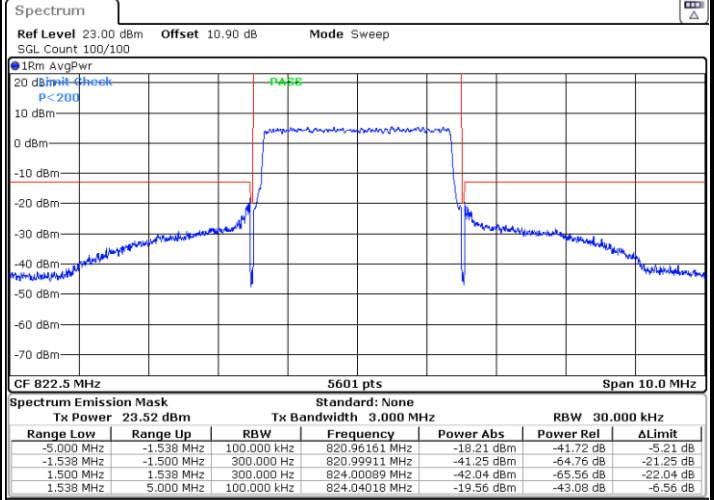
LTE Band 26 / 3MHz / QPSK

Lowest Band Edge / Full RB



Date: 2.AUG.2023 02:08:40

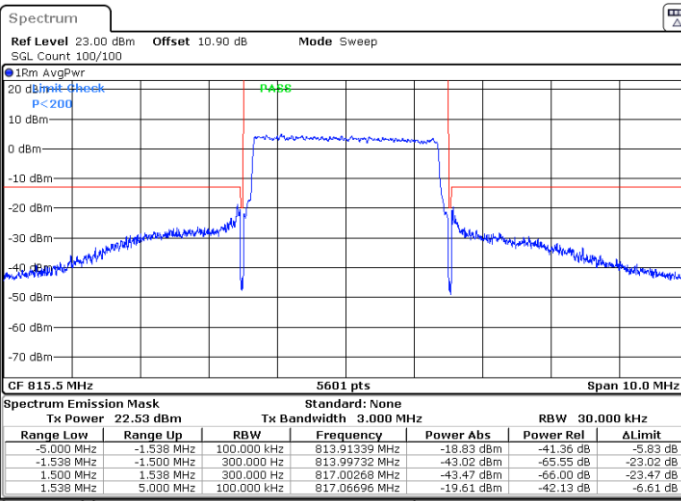
Highest Band Edge / Full RB



Date: 2.AUG.2023 02:10:38

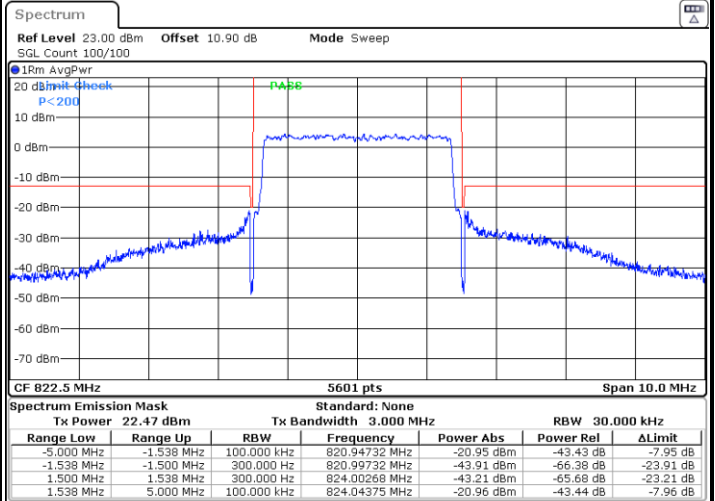
LTE Band 26 / 3MHz / 16QAM

Lowest Band Edge / Full RB



Date: 2.AUG.2023 02:09:39

Highest Band Edge / Full RB

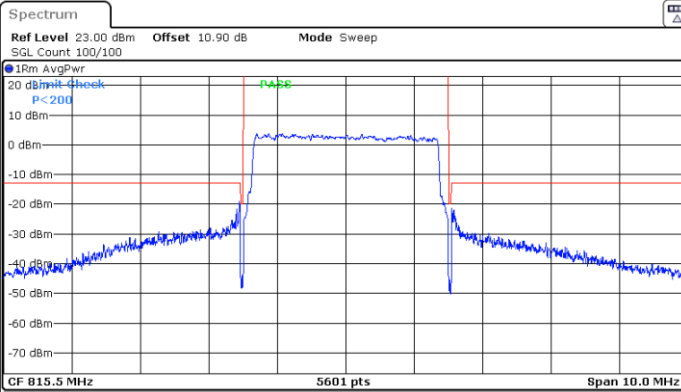


Date: 2.AUG.2023 02:11:38



LTE Band 26 / 3MHz / 64QAM

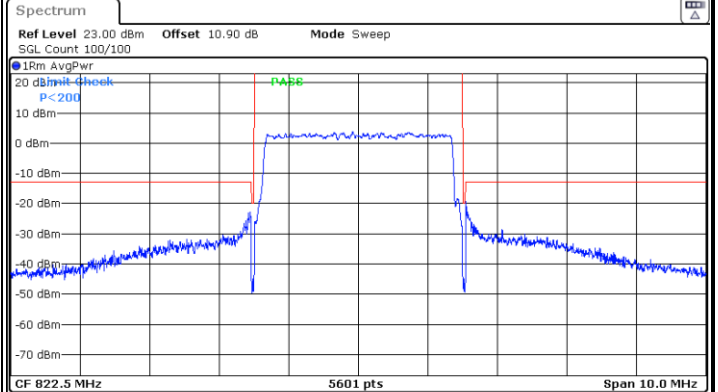
Lowest Band Edge / Full RB



Spectrum Emission Mask		Standard: None		RBW 30.000 kHz	
Range Low	Range Up	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	19.11 dBm	-40.76 dB	-6.11 dB
-1.538 MHz	-1.500 MHz	300.000 kHz	813.94732 MHz	-43.36 dBm	-65.02 dB
1.500 MHz	1.538 MHz	300.000 kHz	817.00268 MHz	-44.36 dBm	-66.02 dB
1.538 MHz	5.000 MHz	100.000 kHz	817.04732 MHz	-21.22 dBm	-42.88 dB

Date: 2.AUG.2023 02:27:32

Highest Band Edge / Full RB

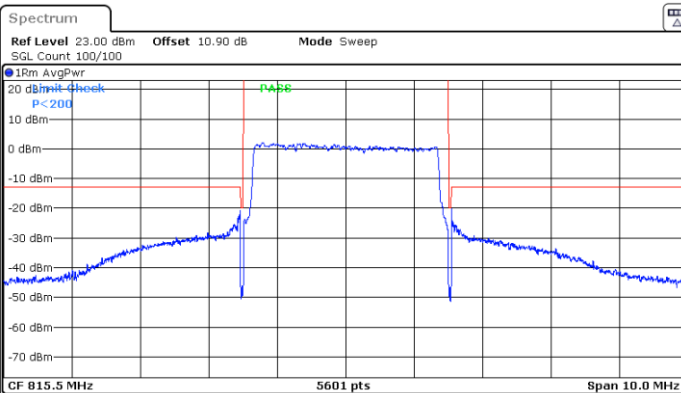


Spectrum Emission Mask		Standard: None		RBW 30.000 kHz	
Range Low	Range Up	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	21.65 dBm	-22.88 dB	-44.53 dB
-1.538 MHz	-1.500 MHz	300.000 kHz	820.94196 MHz	-43.79 dBm	-65.44 dB
1.500 MHz	1.538 MHz	300.000 kHz	824.00268 MHz	-44.33 dBm	-65.98 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.03839 MHz	-19.32 dBm	-40.97 dB

Date: 2.AUG.2023 02:28:32

LTE Band 26 / 3MHz / 256QAM

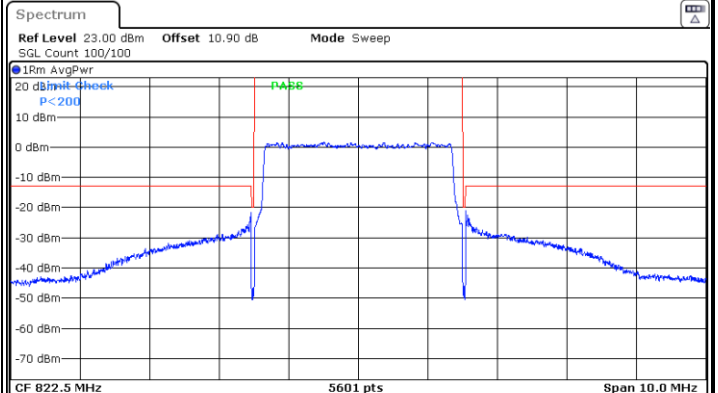
Lowest Band Edge / Full RB



Spectrum Emission Mask		Standard: None		RBW 30.000 kHz	
Range Low	Range Up	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	19.70 dBm	-40.34 dB	-7.64 dB
-1.538 MHz	-1.500 MHz	300.000 kHz	813.95446 MHz	-45.95 dBm	-65.66 dB
1.500 MHz	1.538 MHz	300.000 kHz	817.00089 MHz	-45.68 dBm	-65.38 dB
1.538 MHz	5.000 MHz	100.000 kHz	817.04018 MHz	-20.20 dBm	-39.91 dB

Date: 2.AUG.2023 02:45:13

Highest Band Edge / Full RB



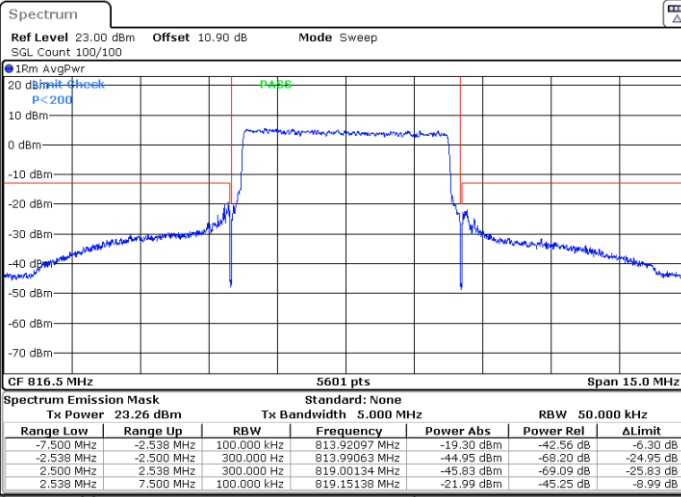
Spectrum Emission Mask		Standard: None		RBW 30.000 kHz	
Range Low	Range Up	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	19.75 dBm	-21.66 dB	-41.41 dB
-1.538 MHz	-1.500 MHz	300.000 kHz	820.95268 MHz	-46.44 dBm	-66.19 dB
1.500 MHz	1.538 MHz	300.000 kHz	824.00089 MHz	-44.81 dBm	-64.56 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.03839 MHz	-20.98 dBm	-40.73 dB

Date: 2.AUG.2023 02:46:12



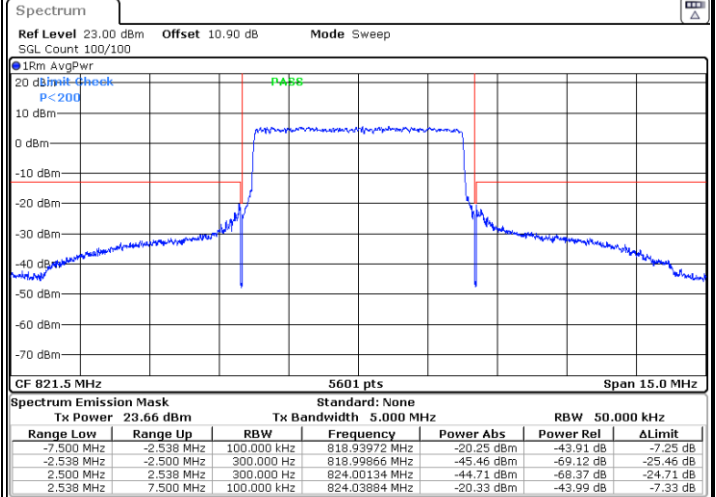
LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / Full RB



Date: 2.AUG.2023 02:15:24

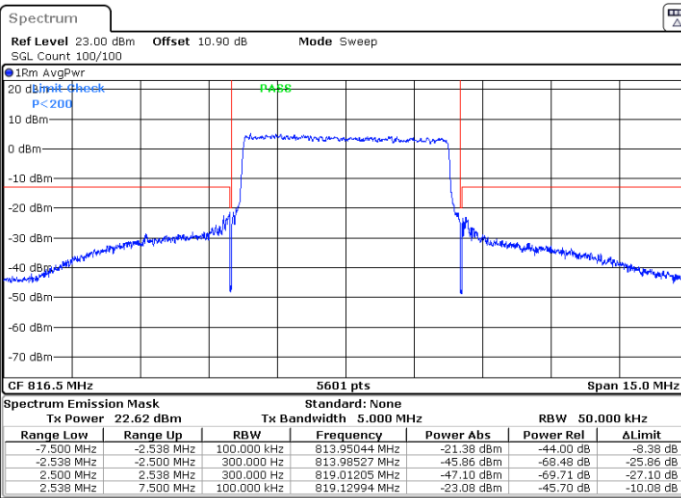
Highest Band Edge / Full RB



Date: 2.AUG.2023 02:17:22

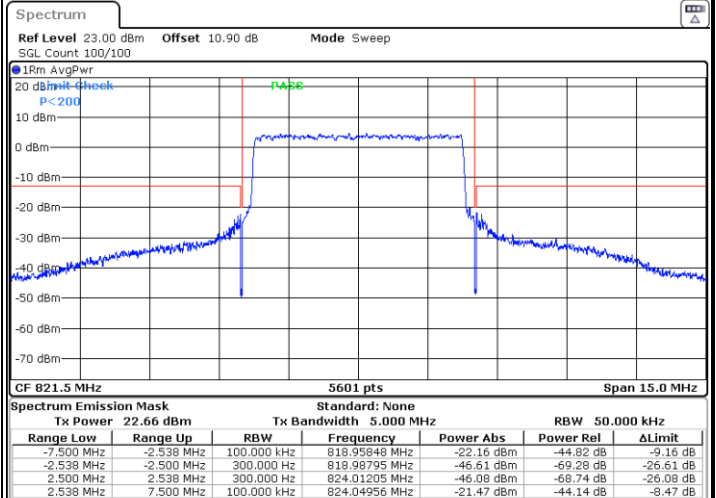
LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / Full RB



Date: 2.AUG.2023 02:16:23

Highest Band Edge / Full RB



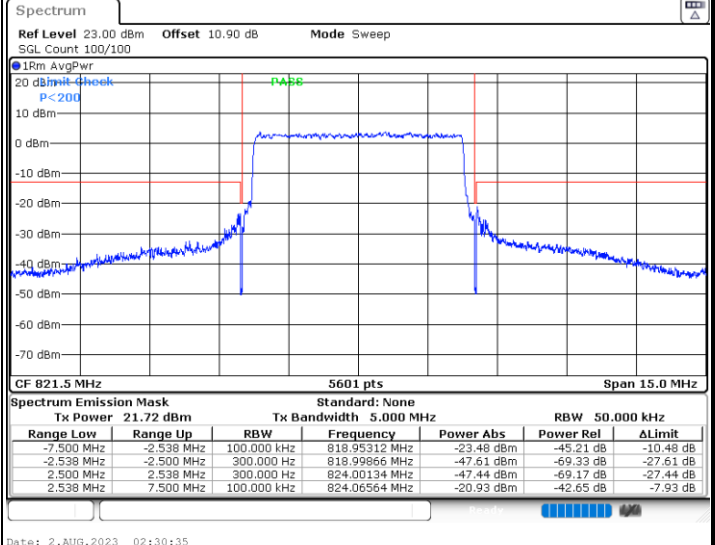
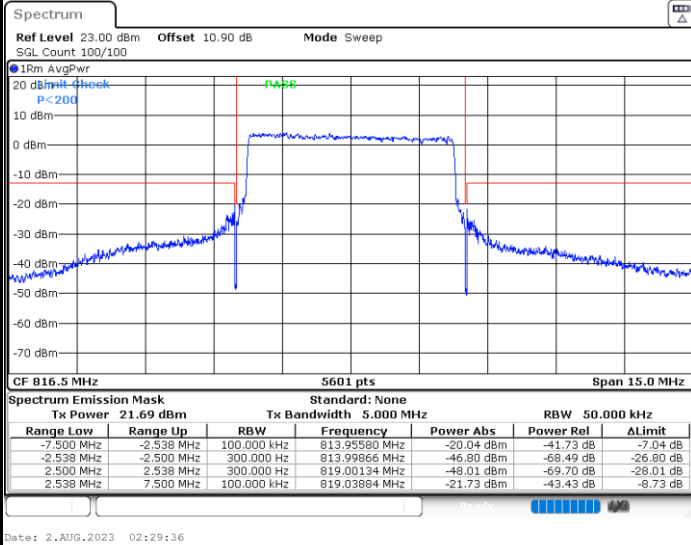
Date: 2.AUG.2023 02:18:21



LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / Full RB

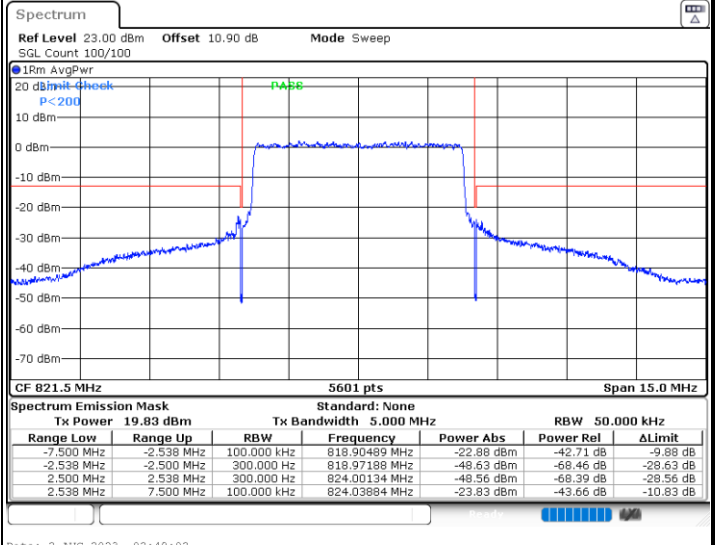
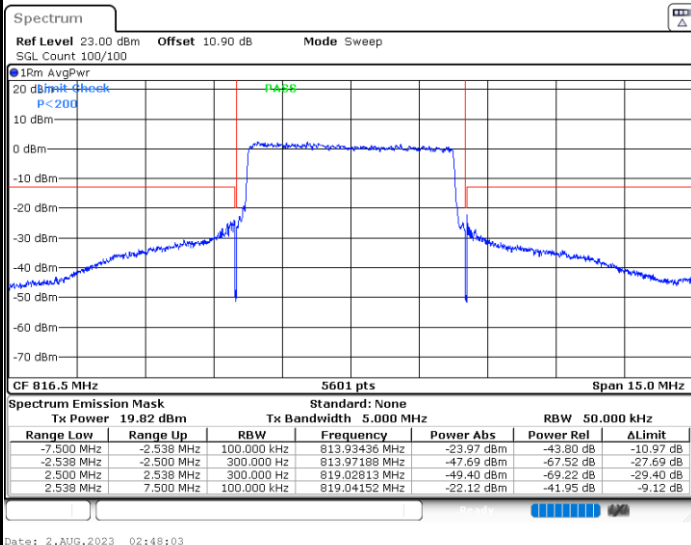
Highest Band Edge / Full RB

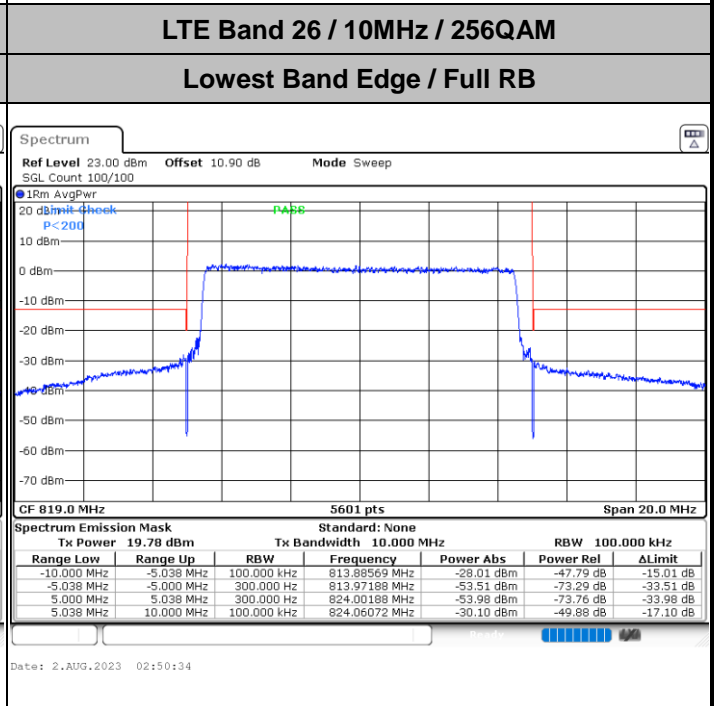
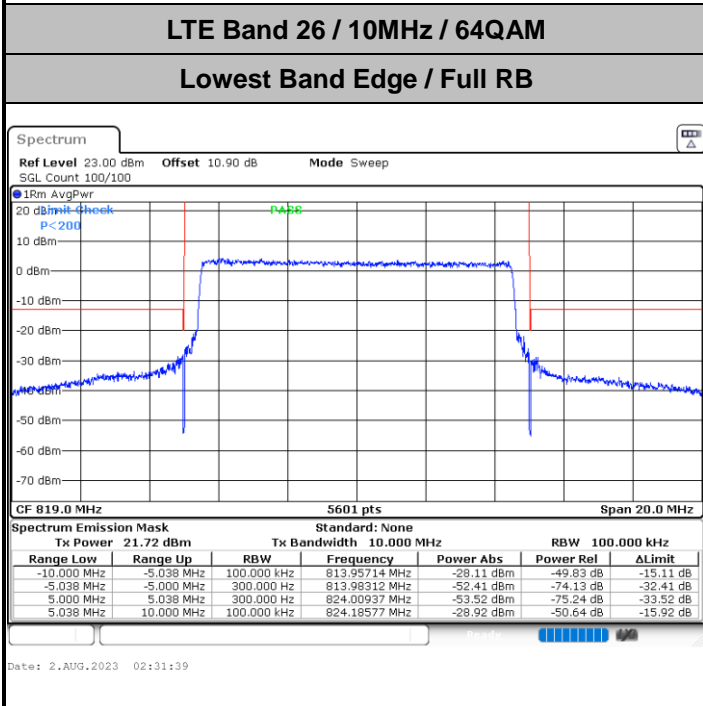
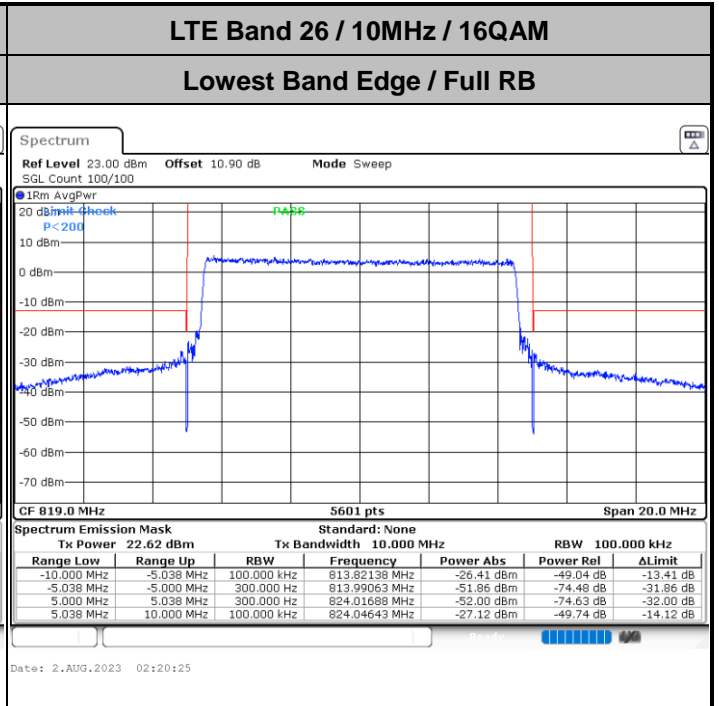
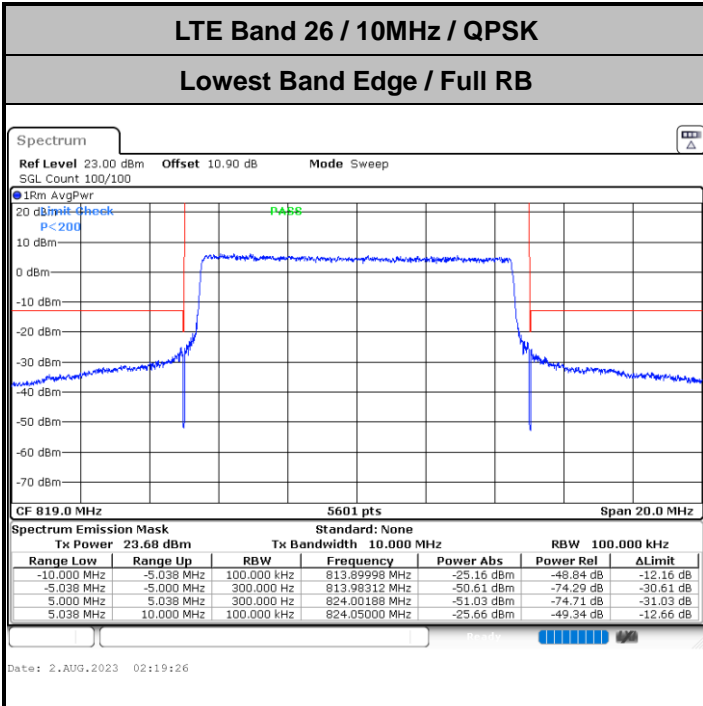


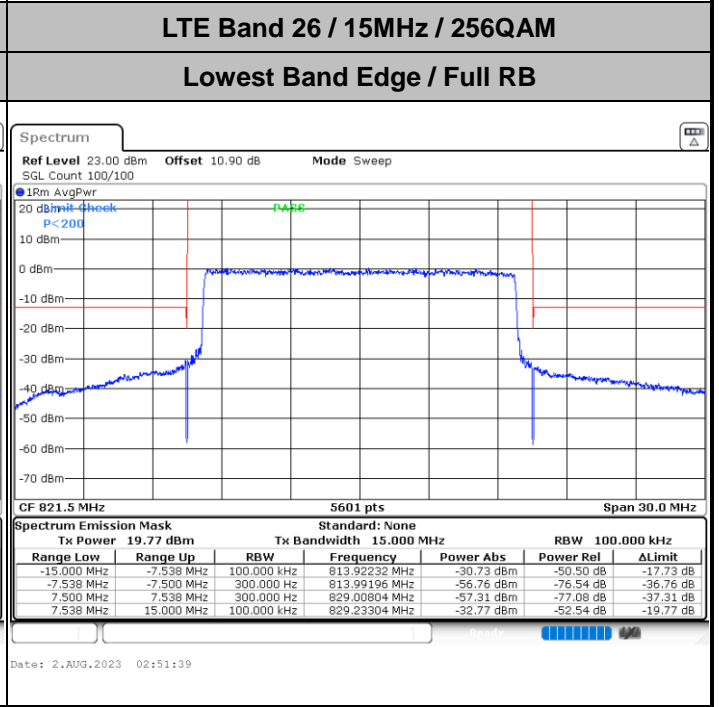
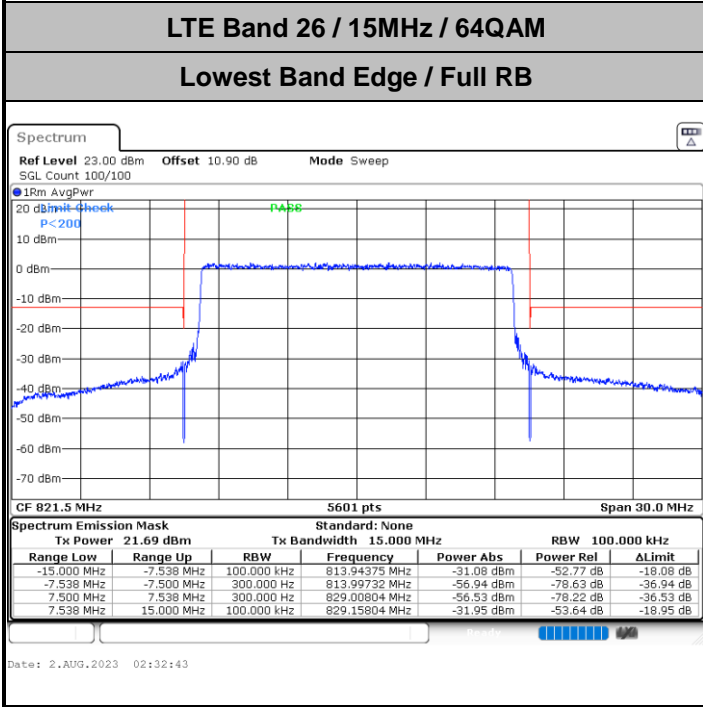
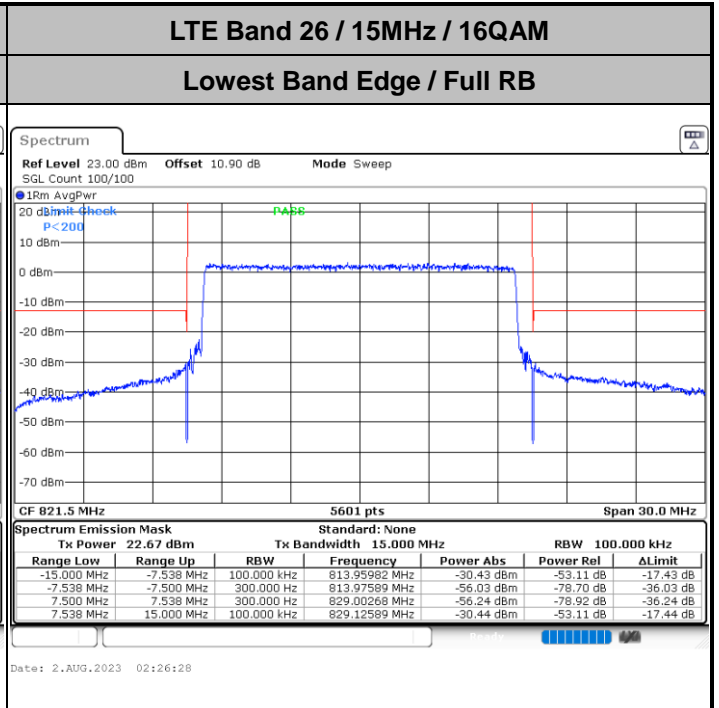
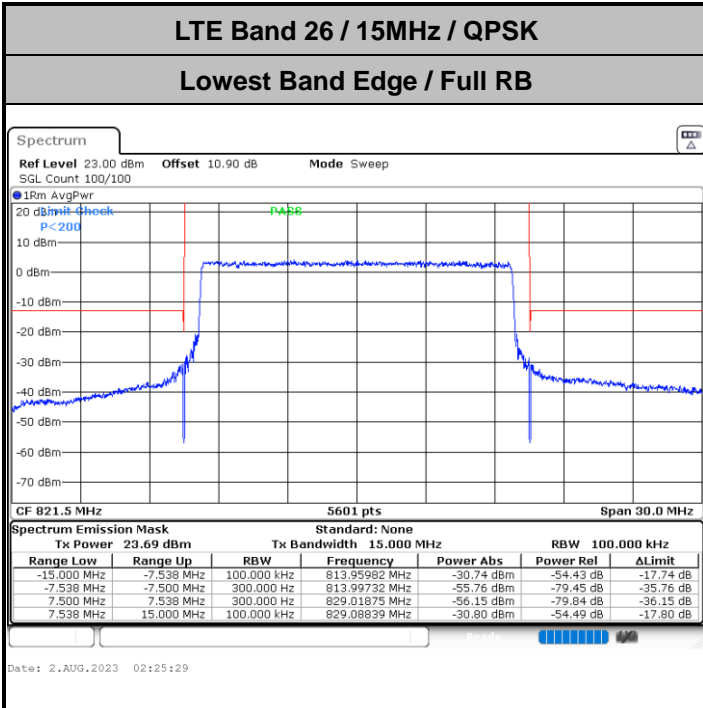
LTE Band 26 / 5MHz / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

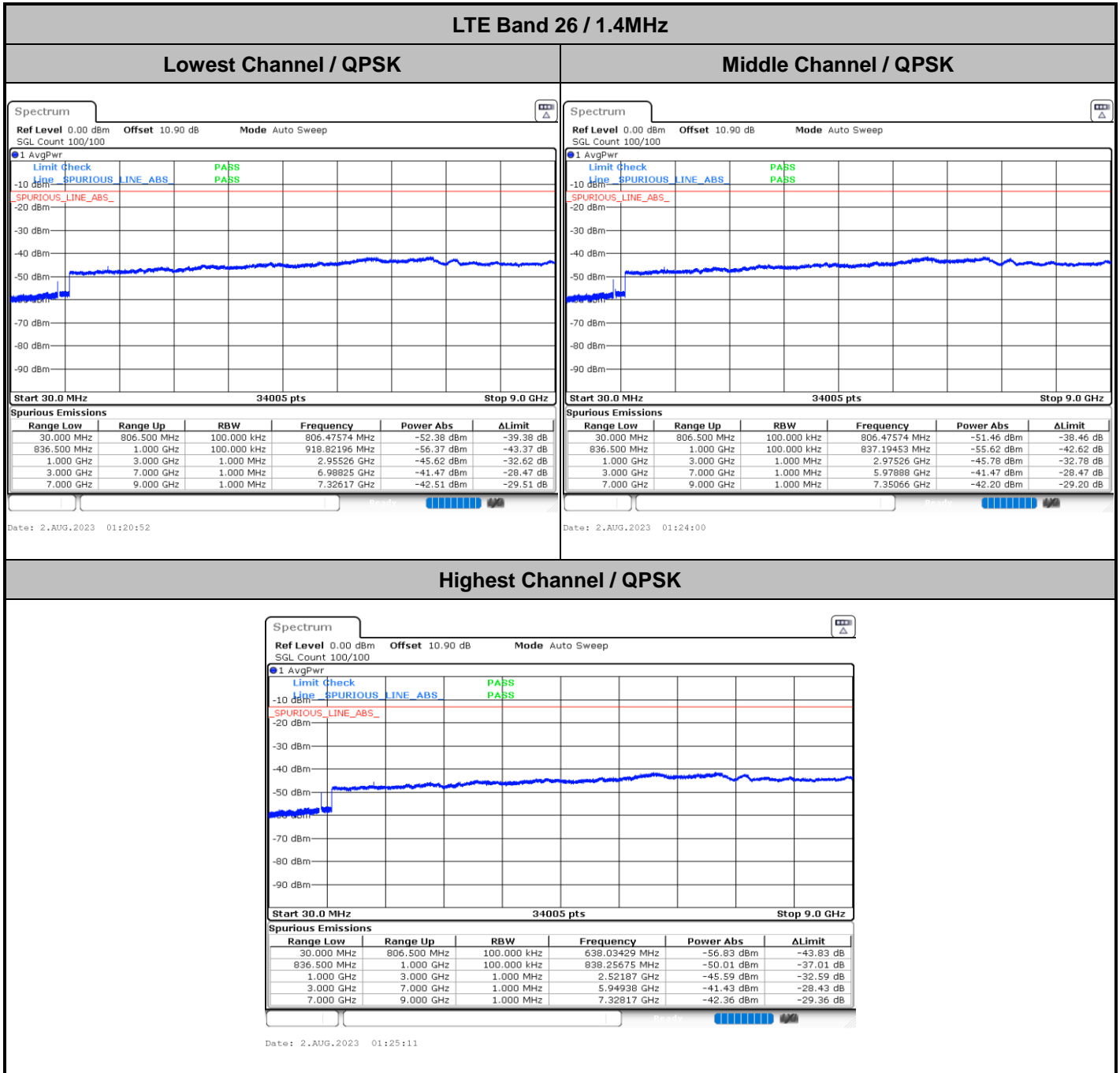








Emission masks – Out of band emissions

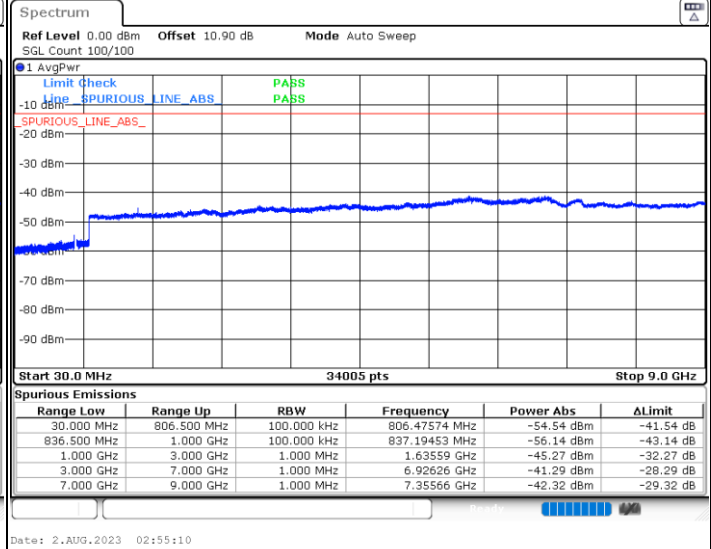
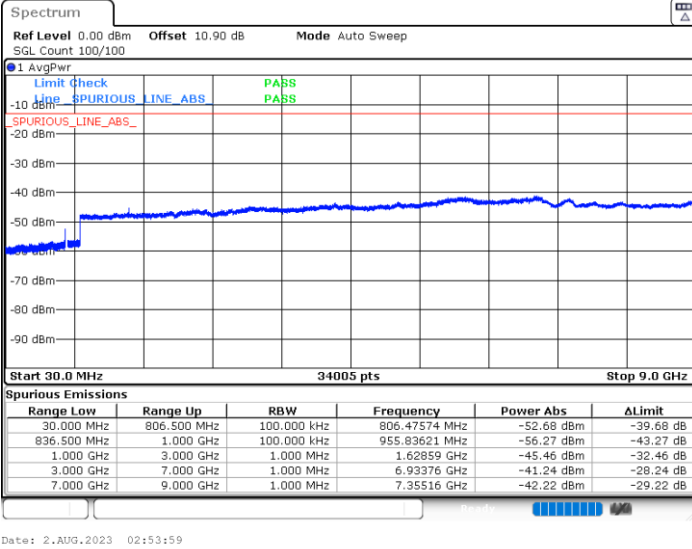




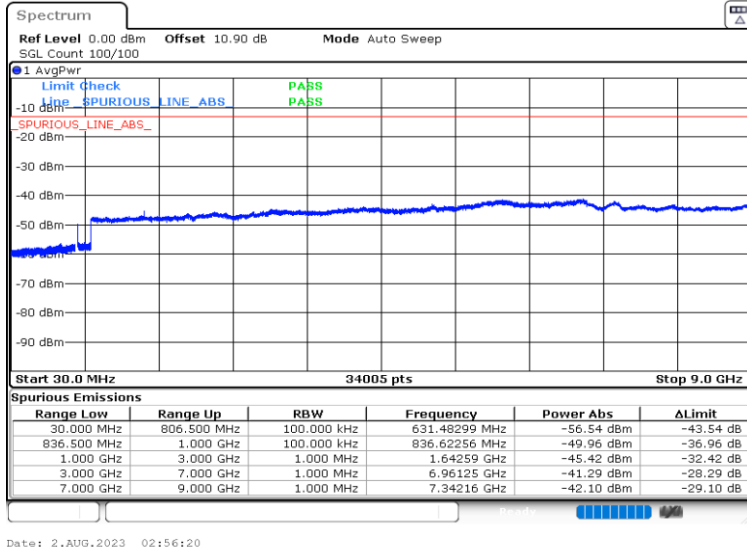
LTE Band 26 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

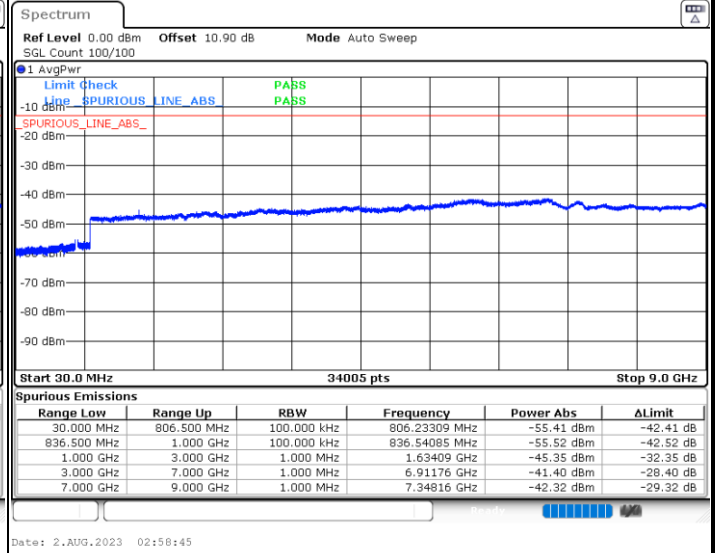
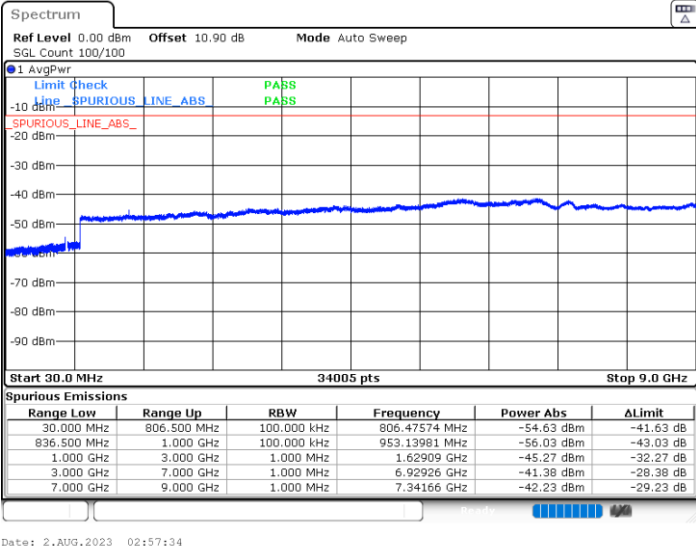




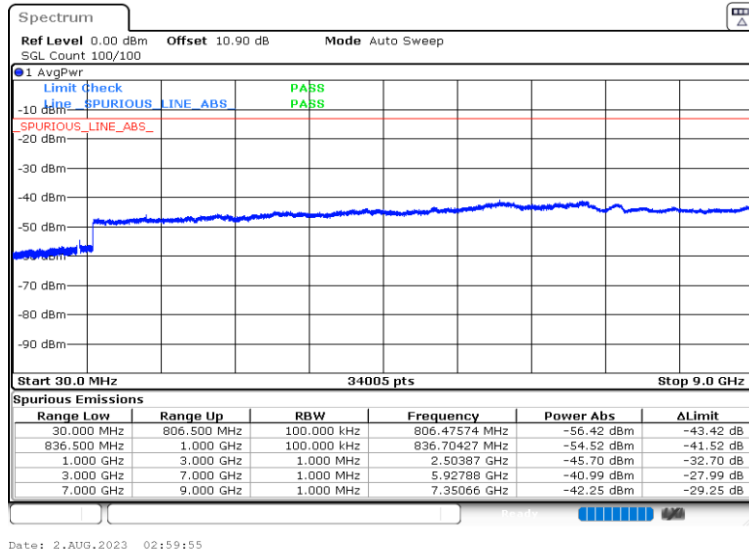
LTE Band 26 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



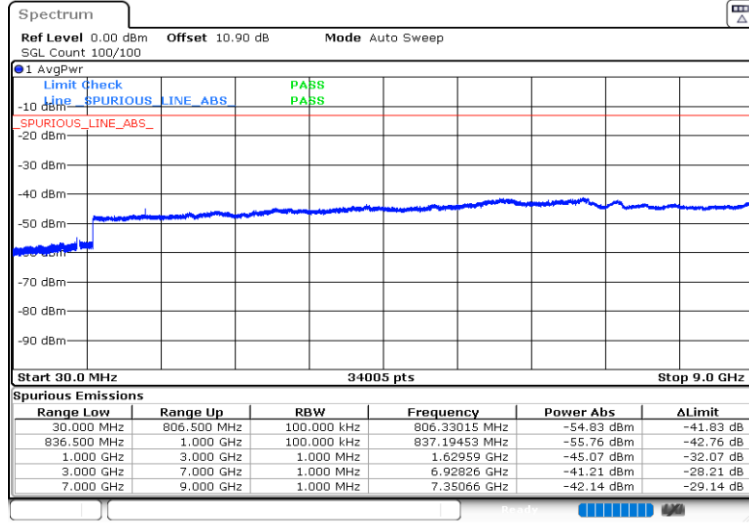
Highest Channel / QPSK





LTE Band 26 / 10MHz

Middle Channel / QPSK

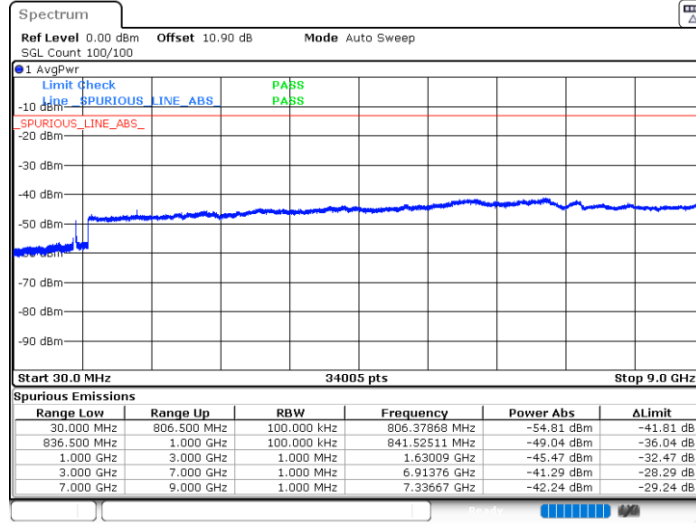


Date: 2.AUG.2023 03:01:10



LTE Band 26 / 15MHz

Middle Channel / QPSK



Date: 2. AUG. 2023 03:02:26



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	0.0132	PASS
40	Normal Voltage	0.0139	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0139	
0	Normal Voltage	0.0120	
-10	Normal Voltage	0.0056	
-20	Normal Voltage	0.0126	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0065	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0035	

Note:

- 1. Normal Voltage = 3.87 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.48 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	0.0033	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0051	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0134	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0052	
-30	Normal Voltage	0.0123	
20	Maximum Voltage	0.0041	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage = 3.87 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.48 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26_Part 90S_824 MHz

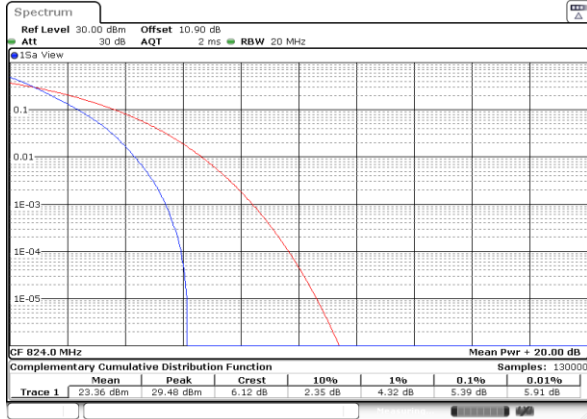
Peak-to-Average Ratio

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	5.39	6.29	6.58	6.87	PASS



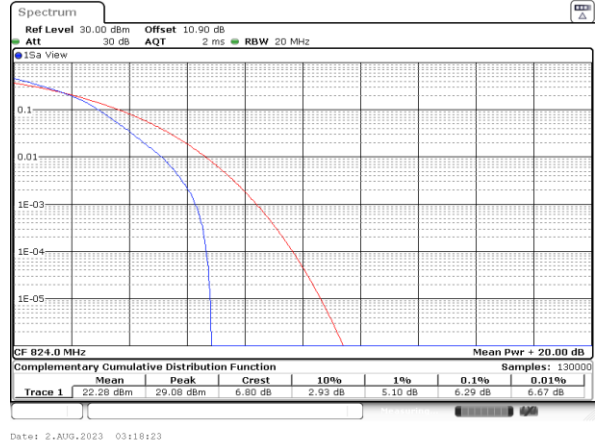
LTE Band 26 / 15MHz / QPSK

Middle Channel / Full RB



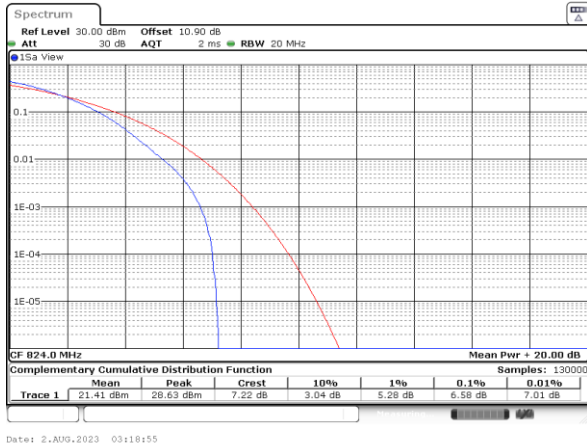
LTE Band 26 / 15MHz / 16QAM

Middle Channel / Full RB



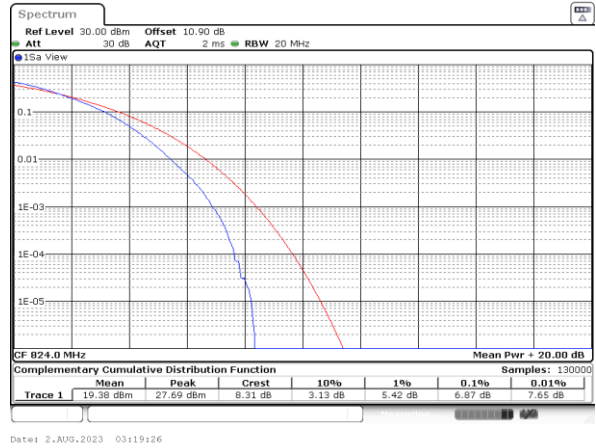
LTE Band 26 / 15MHz / 64QAM

Middle Channel / Full RB



LTE Band 26 / 15MHz / 256QAM

Middle Channel / Full RB





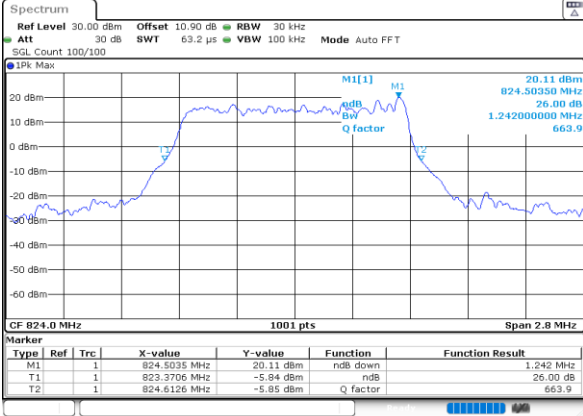
26dB Bandwidth

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	1.24	1.32	3.20	3.13	5.22	5.03	10.07	9.95	14.66	14.69	-	-
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	3.14	3.10	5.24	4.98	10.05	10.15	14.90	14.99	-	-



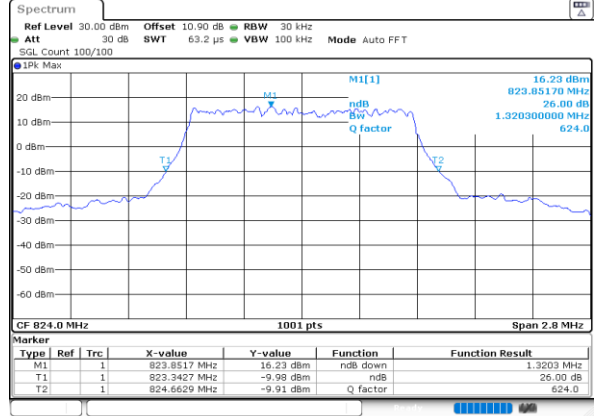
LTE Band 26

Middle Channel / 1.4MHz / QPSK



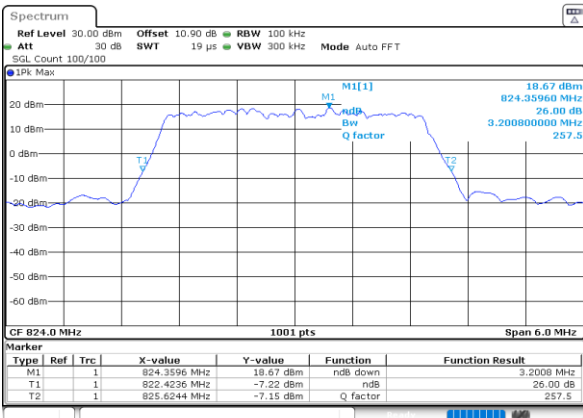
Date: 2.AUG.2023 03:03:15

Middle Channel / 1.4MHz / 16QAM



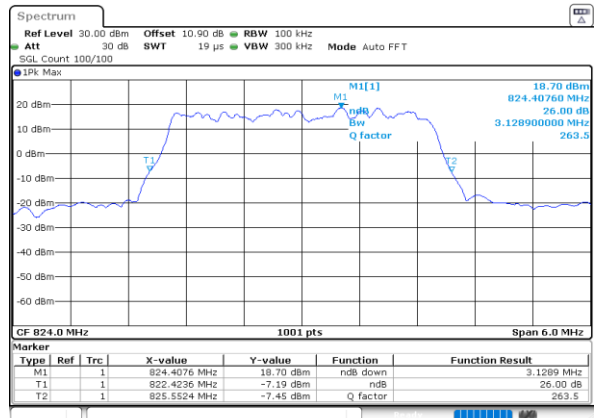
Date: 2.AUG.2023 03:03:44

Middle Channel / 3MHz / QPSK



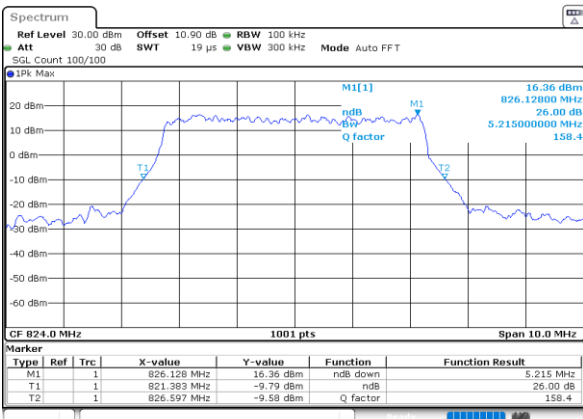
Date: 2.AUG.2023 03:06:14

Middle Channel / 3MHz / 16QAM



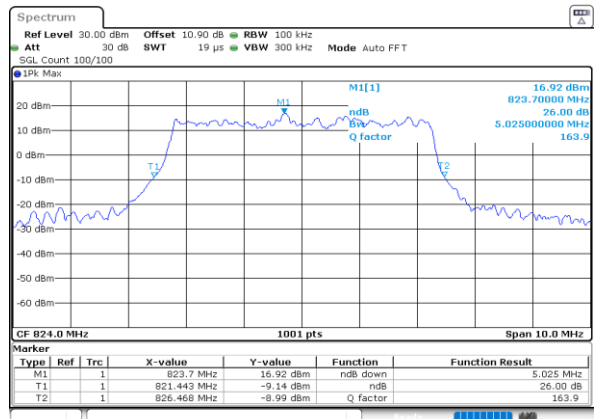
Date: 2.AUG.2023 03:06:43

Middle Channel / 5MHz / QPSK



Date: 2.AUG.2023 03:09:13

Middle Channel / 5MHz / 16QAM

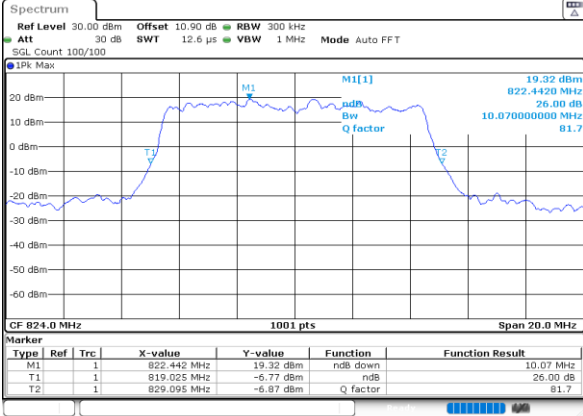


Date: 2.AUG.2023 03:09:42



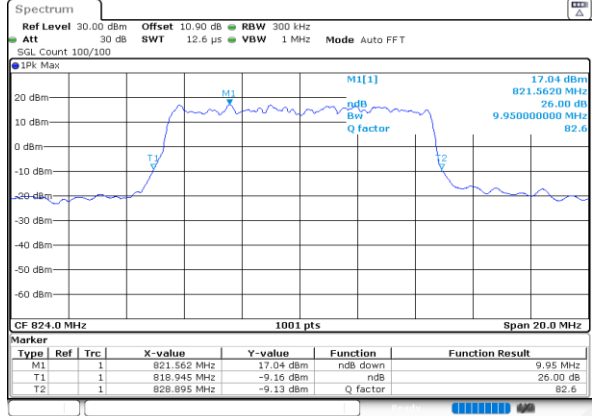
LTE Band 26

Middle Channel / 10MHz / QPSK



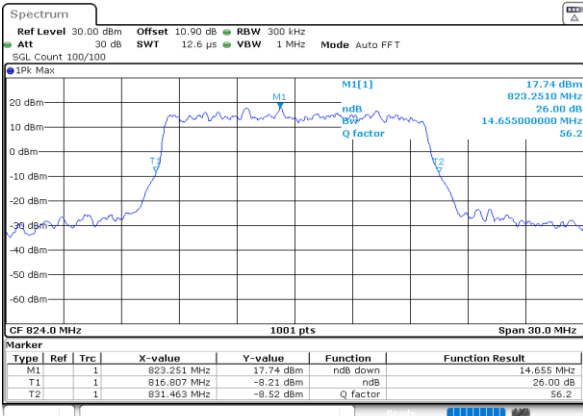
Date: 2.AUG.2023 03:12:12

Middle Channel / 10MHz / 16QAM



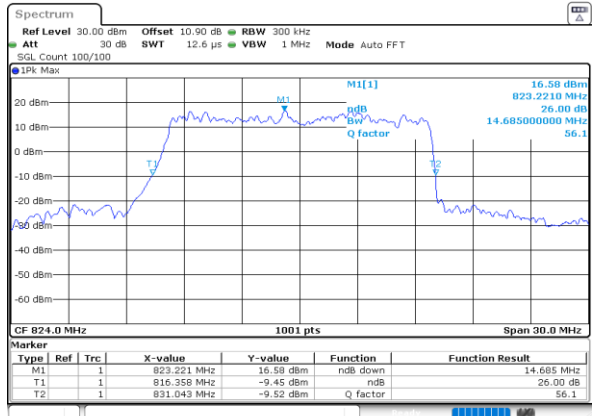
Date: 2.AUG.2023 03:12:41

Middle Channel / 15MHz / QPSK



Date: 2.AUG.2023 03:15:11

Middle Channel / 15MHz / 16QAM

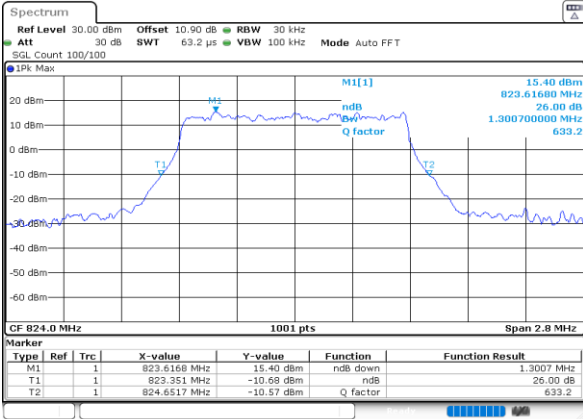


Date: 2.AUG.2023 03:15:40



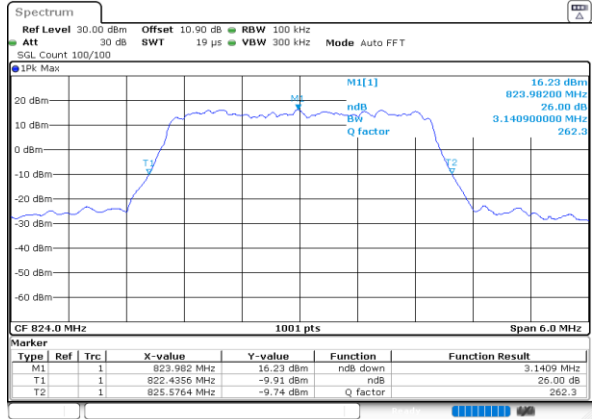
LTE Band 26

Middle Channel / 1.4MHz / 64QAM



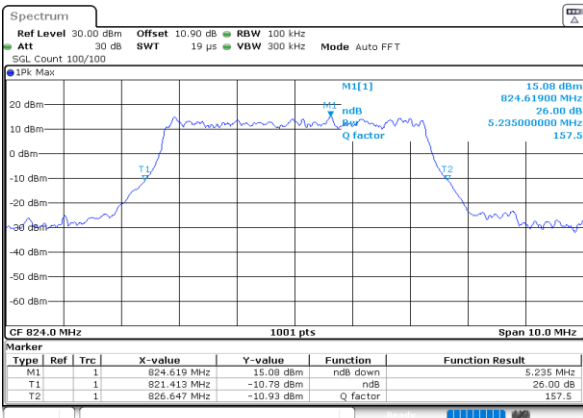
Date: 2.AUG.2023 03:10:42

Middle Channel / 3MHz / 64QAM



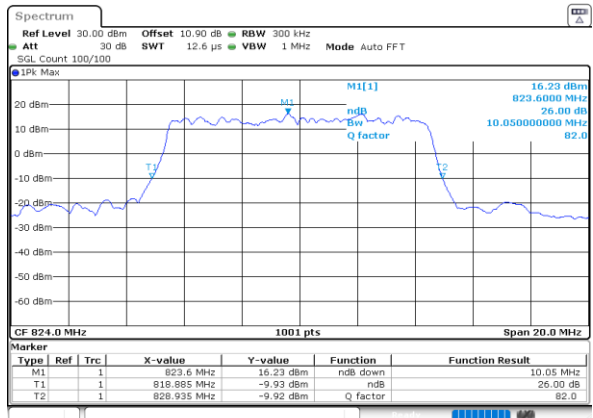
Date: 2.AUG.2023 03:07:41

Middle Channel / 5MHz / 64QAM



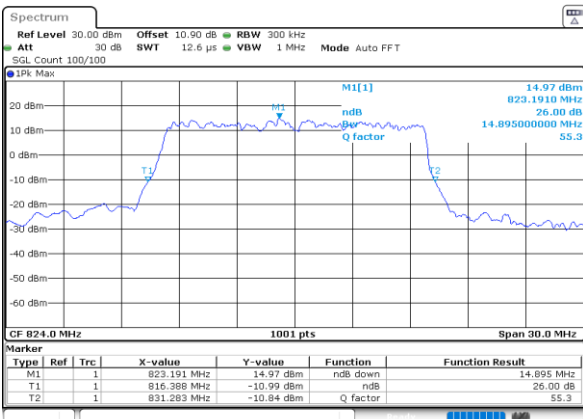
Date: 2.AUG.2023 03:11:40

Middle Channel / 10MHz / 64QAM



Date: 2.AUG.2023 03:13:39

Middle Channel / 15MHz / 64QAM



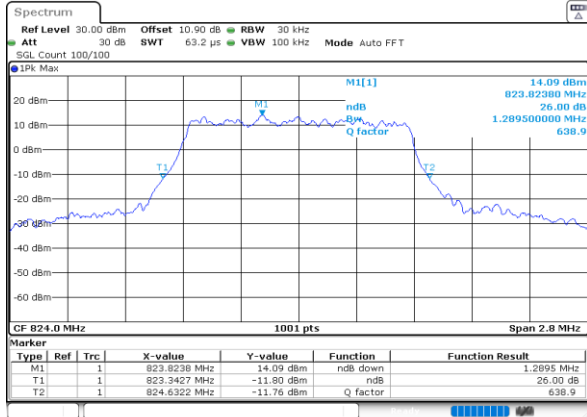
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N/A



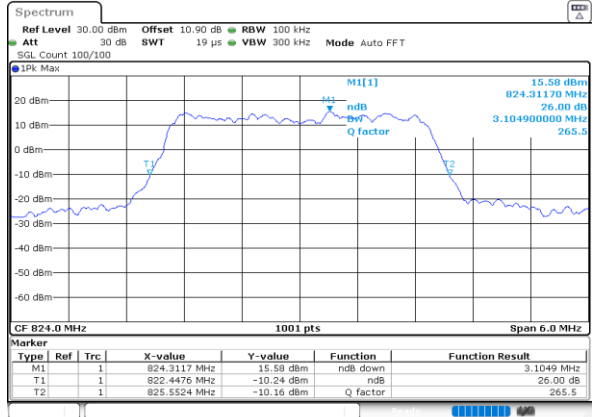
LTE Band 26

Middle Channel / 1.4MHz / 256QAM



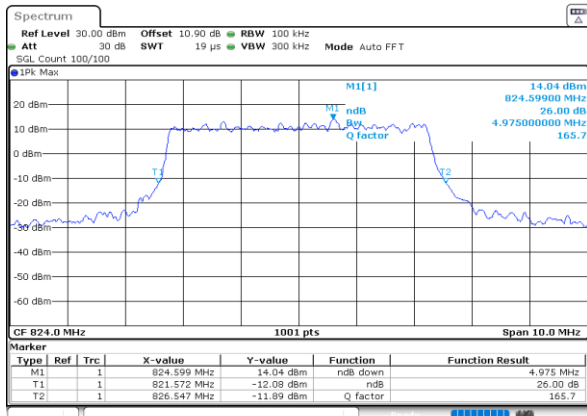
Date: 2.AUG.2023 03:05:25

Middle Channel / 3MHz / 256QAM



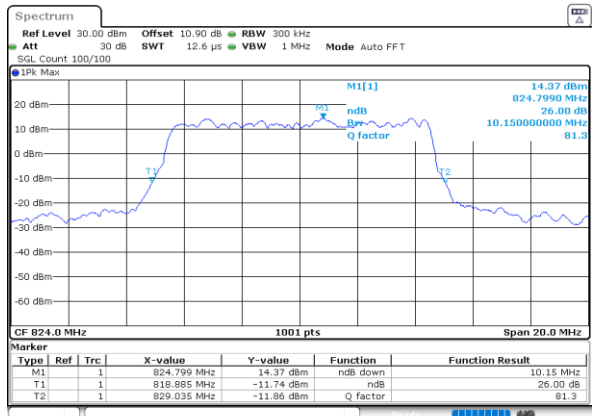
Date: 2.AUG.2023 03:08:24

Middle Channel / 5MHz / 256QAM



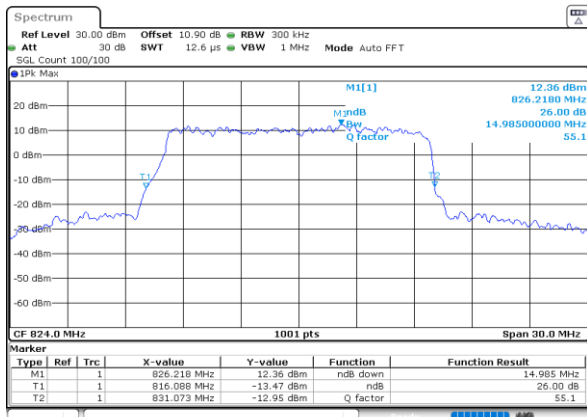
Date: 2.AUG.2023 03:11:23

Middle Channel / 10MHz / 256QAM



Date: 2.AUG.2023 03:14:22

Middle Channel / 15MHz / 256QAM



Date: 2.AUG.2023 03:17:21

N/A



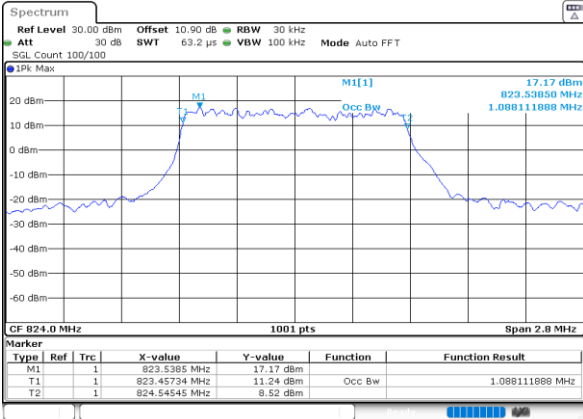
Occupied Bandwidth

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	2.74	2.73	4.51	4.51	8.99	9.11	13.46	13.40	-	-
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	1.10	2.73	2.72	4.50	4.49	9.01	9.09	13.37	13.49	-	-



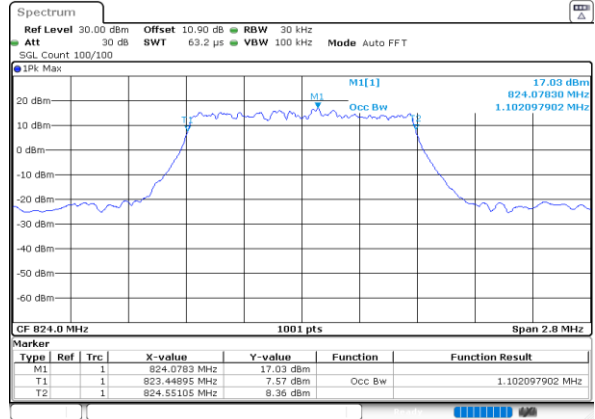
LTE Band 26

Middle Channel / 1.4MHz / QPSK



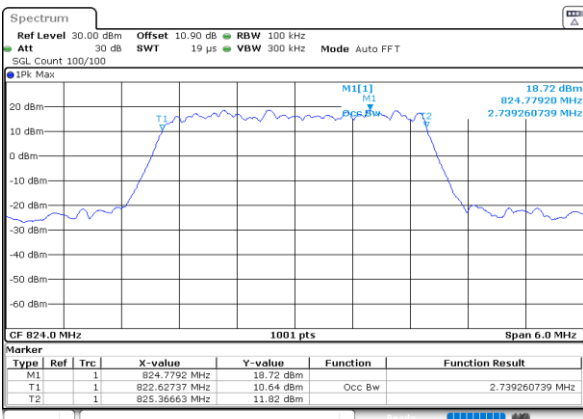
Date: 2.AUG.2023 03:03:01

Middle Channel / 1.4MHz / 16QAM



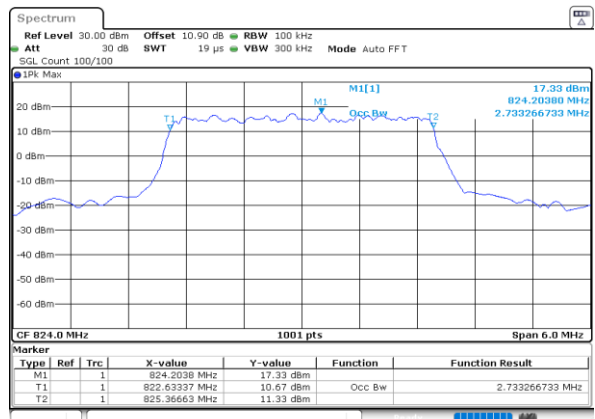
Date: 2.AUG.2023 03:03:58

Middle Channel / 3MHz / QPSK



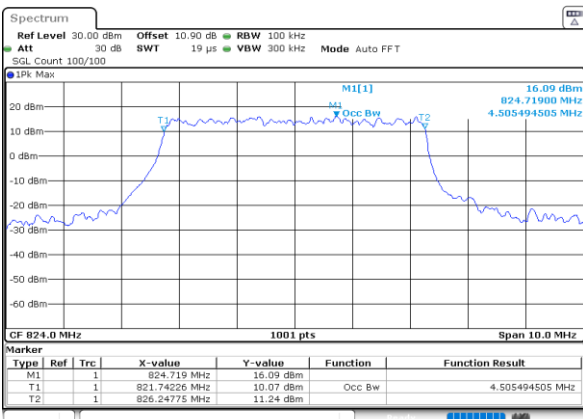
Date: 2.AUG.2023 03:10:10

Middle Channel / 3MHz / 16QAM



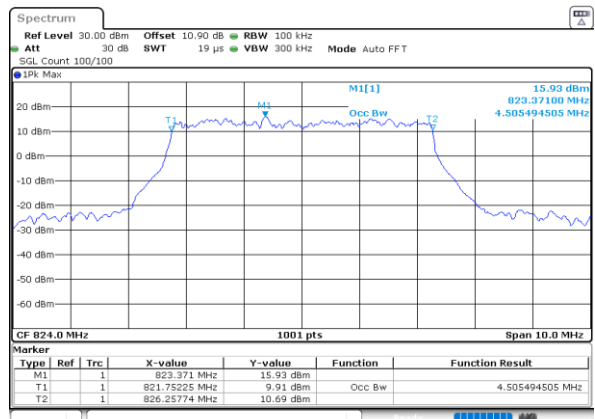
Date: 2.AUG.2023 03:10:57

Middle Channel / 5MHz / QPSK



Date: 2.AUG.2023 03:10:59

Middle Channel / 5MHz / 16QAM

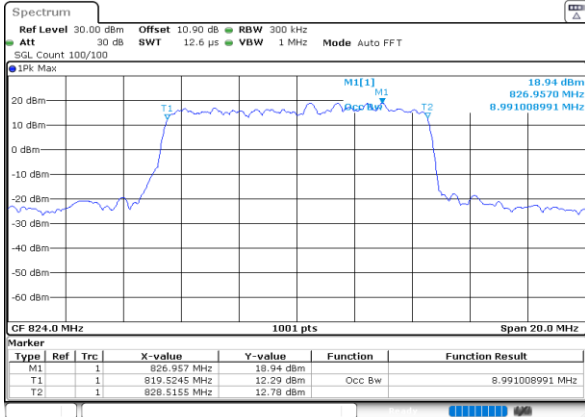


Date: 2.AUG.2023 03:09:56



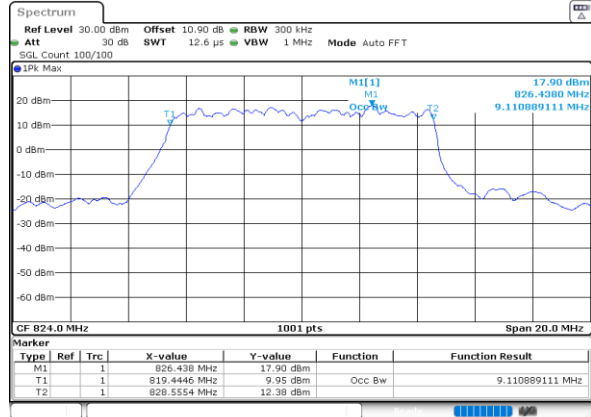
LTE Band 26

Middle Channel / 10MHz / QPSK



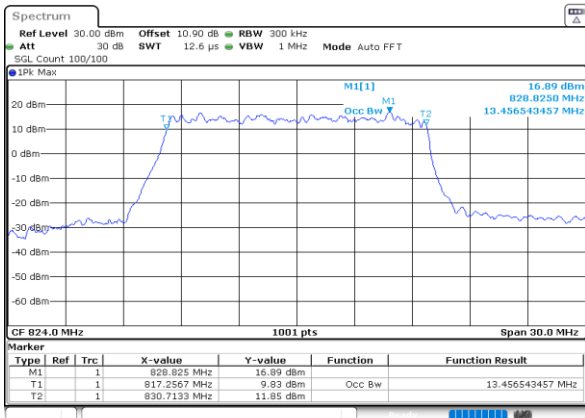
Date: 2.AUG.2023 03:11:58

Middle Channel / 10MHz / 16QAM



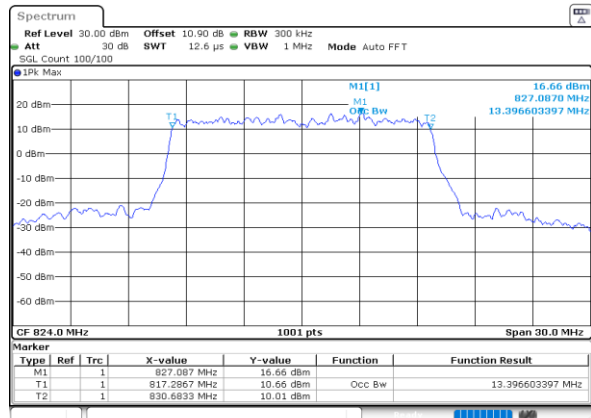
Date: 2.AUG.2023 03:12:55

Middle Channel / 15MHz / QPSK



Date: 2.AUG.2023 03:11:57

Middle Channel / 15MHz / 16QAM

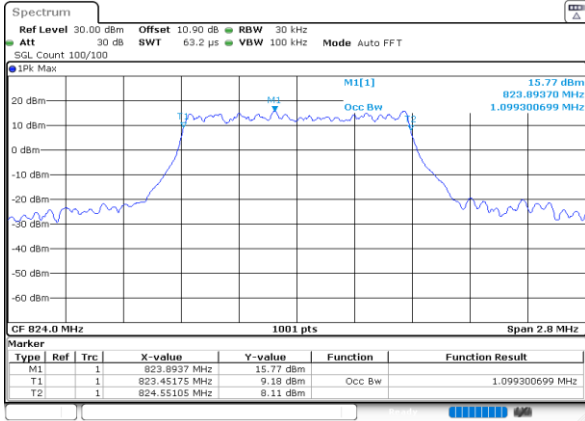


Date: 2.AUG.2023 03:15:54



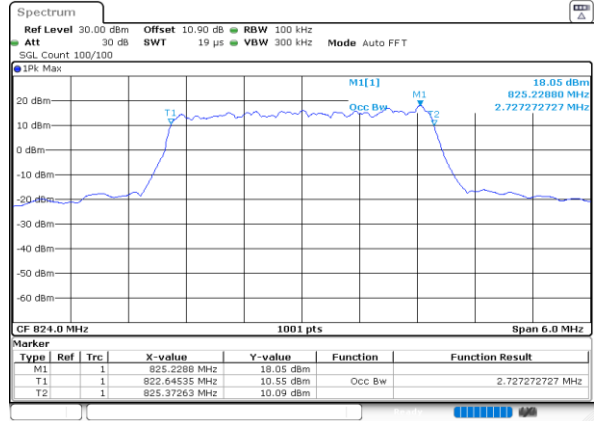
LTE Band 26

Middle Channel / 1.4MHz / 64QAM



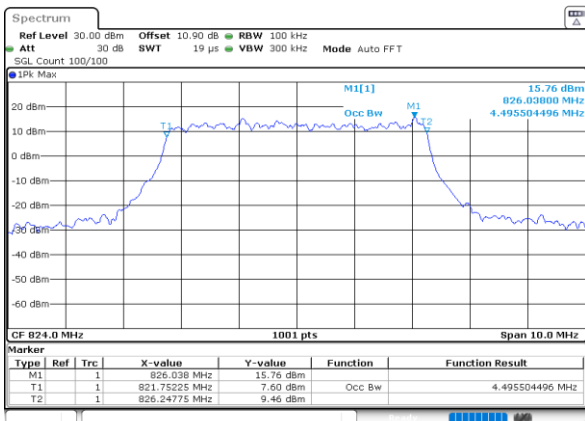
Date: 2.AUG.2023 03:04:28

Middle Channel / 3MHz / 64QAM



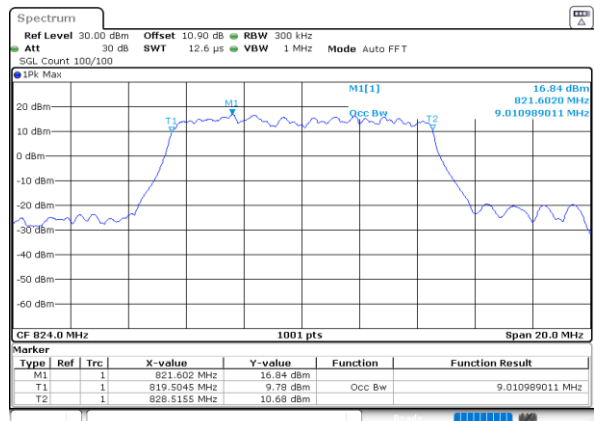
Date: 2.AUG.2023 03:07:27

Middle Channel / 5MHz / 64QAM



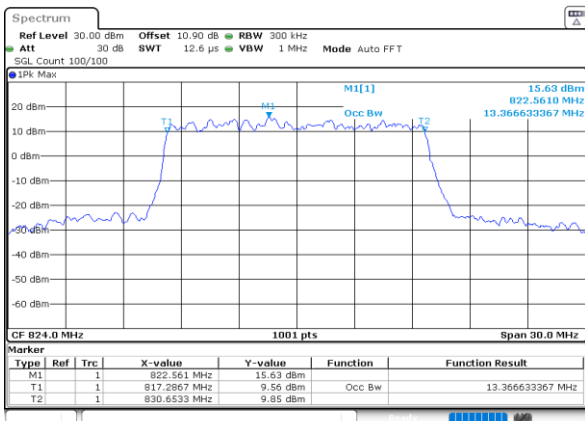
Date: 2.AUG.2023 03:10:26

Middle Channel / 10MHz / 64QAM



Date: 2.AUG.2023 03:13:25

Middle Channel / 15MHz / 64QAM



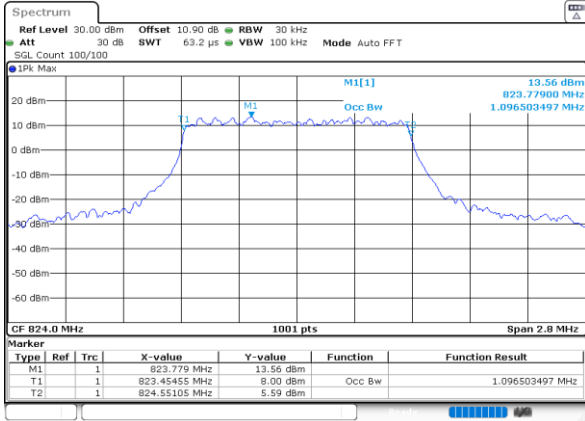
Date: 2.AUG.2023 03:16:24

N/A



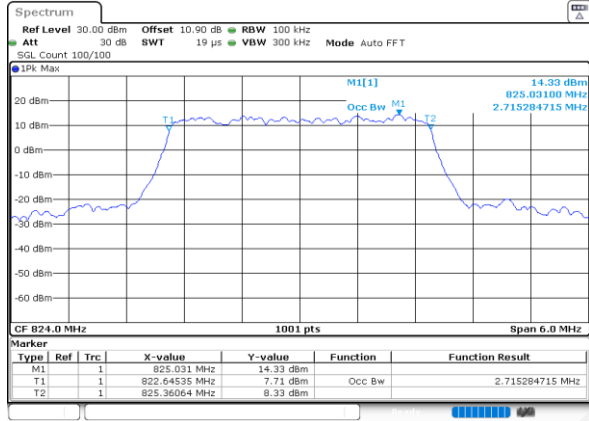
LTE Band 26

Middle Channel / 1.4MHz / 256QAM



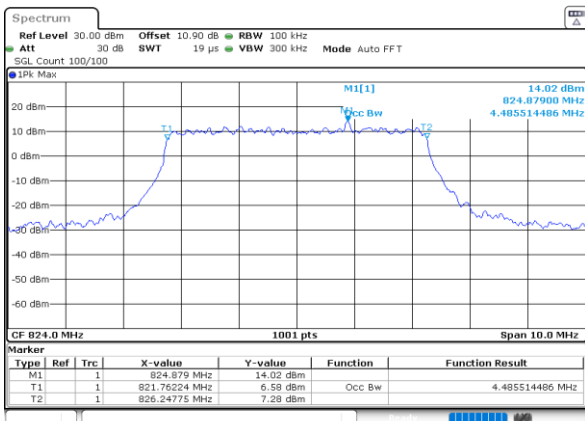
Date: 2.AUG.2023 03:05:11

Middle Channel / 3MHz / 256QAM



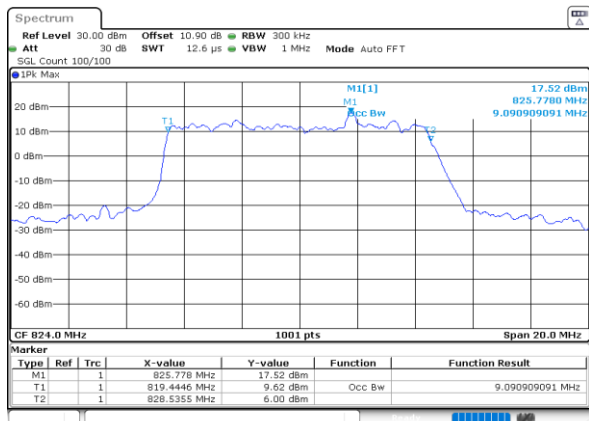
Date: 2.AUG.2023 03:08:10

Middle Channel / 5MHz / 256QAM



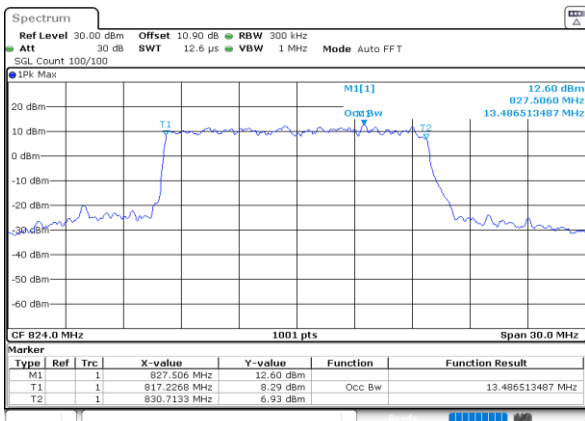
Date: 2.AUG.2023 03:11:09

Middle Channel / 10MHz / 256QAM



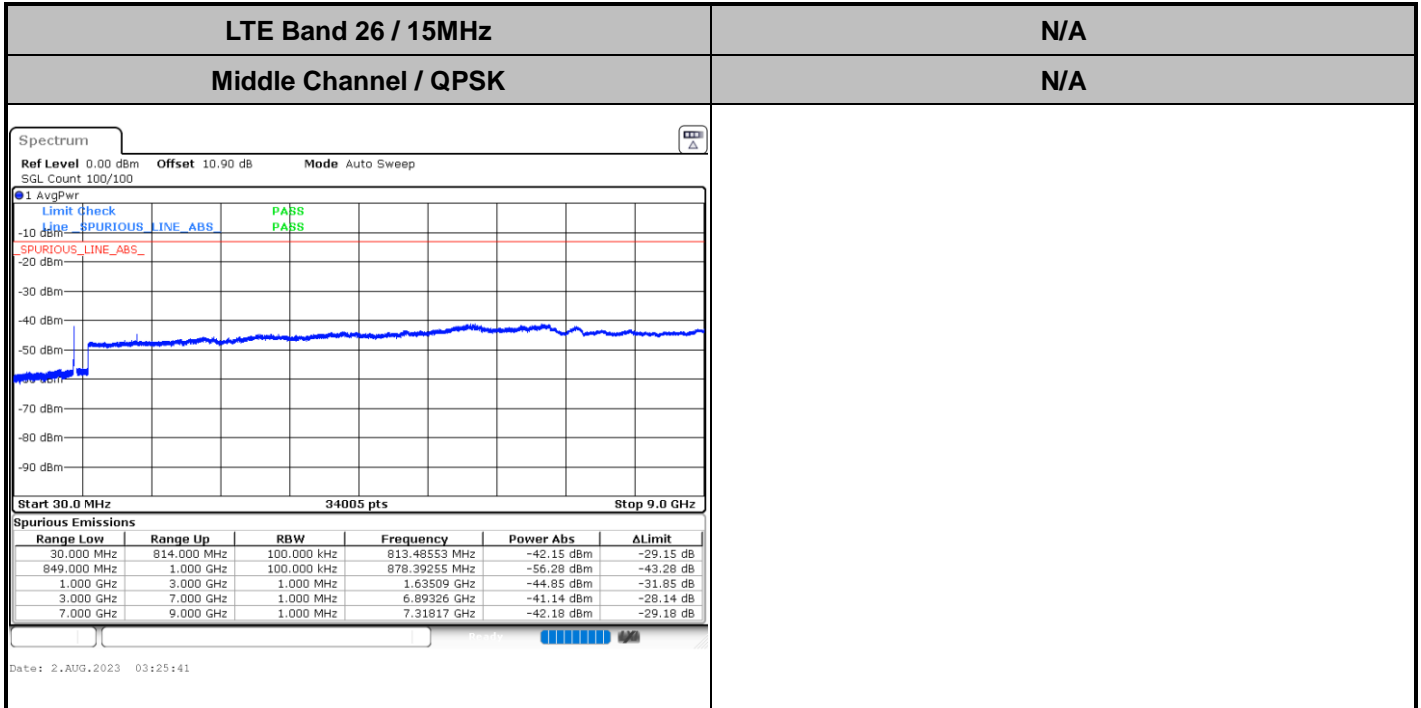
Date: 2.AUG.2023 03:14:08

Middle Channel /15MHz / 256QAM



Date: 2.AUG.2023 03:17:07

N/A





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	0.0132	PASS
40	Normal Voltage	0.0139	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0139	
0	Normal Voltage	0.0120	
-10	Normal Voltage	0.0056	
-20	Normal Voltage	0.0126	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0065	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0035	

Note:

- 1. Normal Voltage = 3.87 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.48 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	0.0039	PASS
40	Normal Voltage	0.0047	
30	Normal Voltage	0.0178	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0181	
0	Normal Voltage	0.0029	
-10	Normal Voltage	0.0075	
-20	Normal Voltage	0.0073	
-30	Normal Voltage	0.0092	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0045	

Note:

- 1. Normal Voltage = 3.87 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.48 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 30

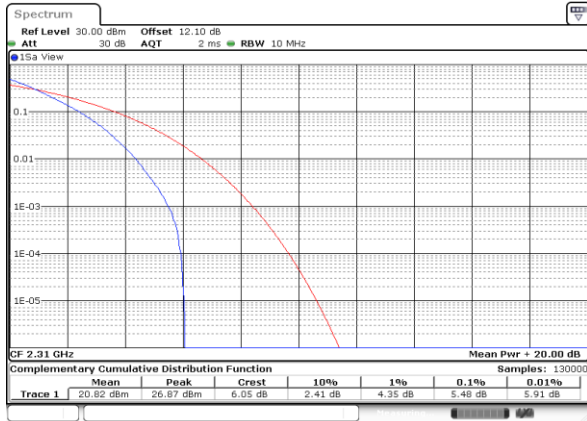
Peak-to-Average Ratio

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	5.48	5.88	6.12	6.35	PASS



LTE Band 30 / 10MHz / QPSK

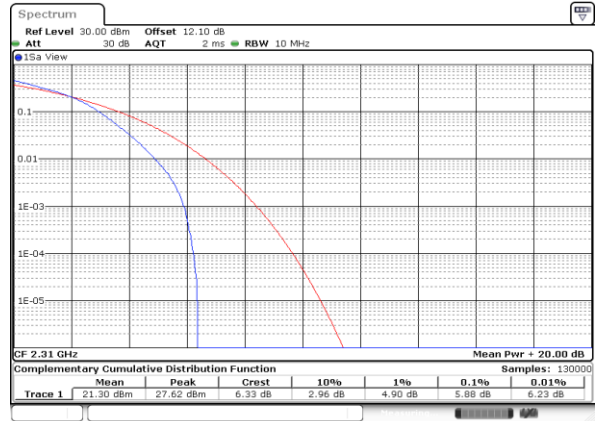
Middle Channel / Full RB



Date: 1.DEC.2023 19:54:45

LTE Band 30 / 10MHz / 16QAM

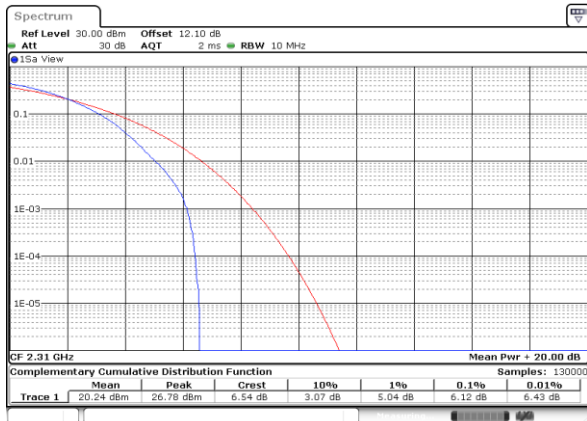
Middle Channel / Full RB



Date: 1.DEC.2023 19:55:13

LTE Band 30 / 10MHz / 64QAM

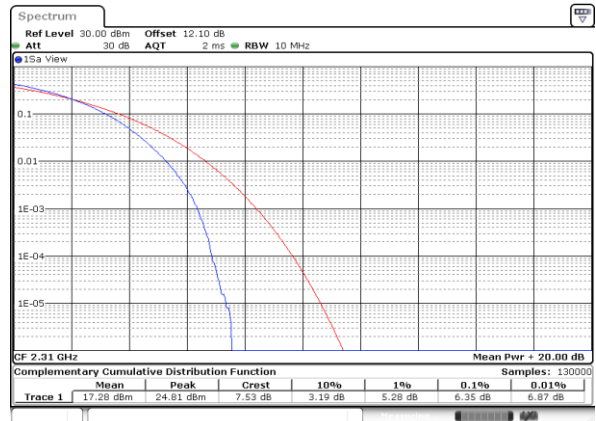
Middle Channel / Full RB



Date: 1.DEC.2023 19:55:42

LTE Band 30 / 10MHz / 256QAM

Middle Channel / Full RB



Date: 1.DEC.2023 19:56:11



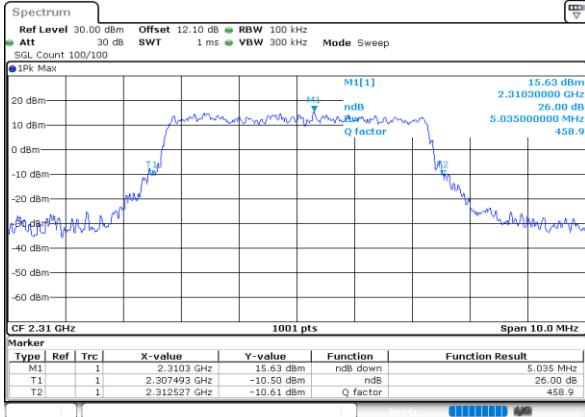
26dB Bandwidth

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	-	-	-	-	5.04	5.1	10.13	9.83	-	-	-	-
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	-	-	-	-	5.13	5.08	9.87	9.83	-	-	-	-



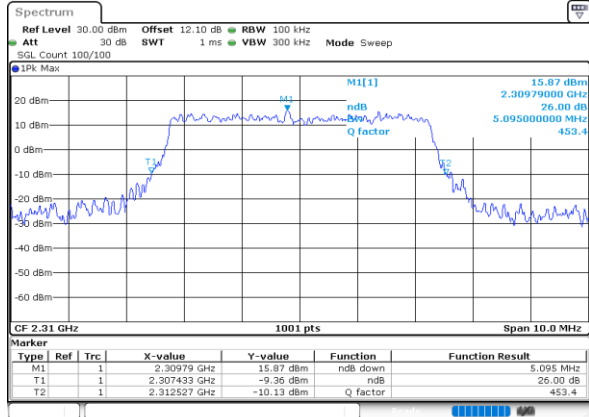
LTE Band 30

Middle Channel / 5MHz / QPSK



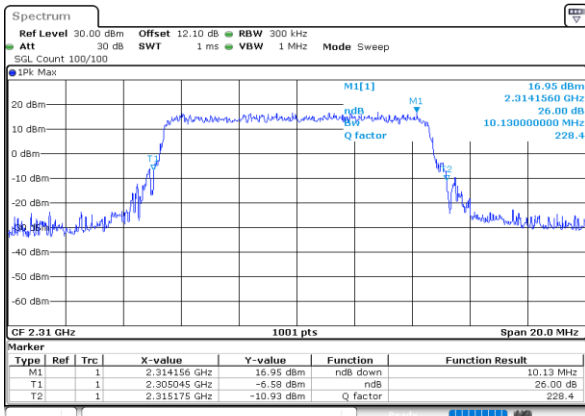
Date: 1.DEC.2023 19:49:05

Middle Channel / 5MHz / 16QAM



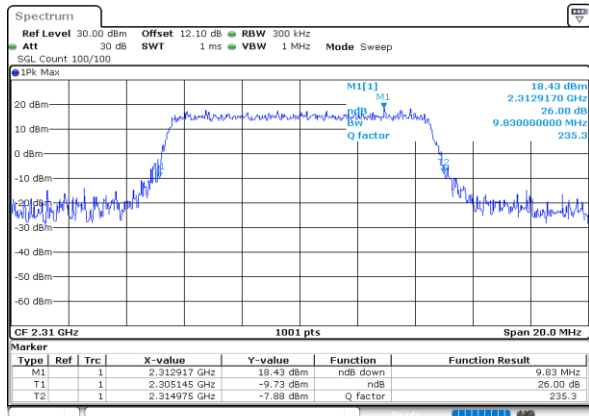
Date: 1.DEC.2023 19:49:33

Middle Channel / 10MHz / QPSK



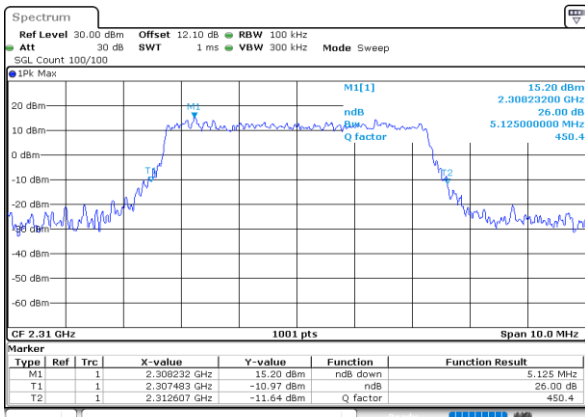
Date: 1.DEC.2023 19:52:53

Middle Channel / 10MHz / 16QAM



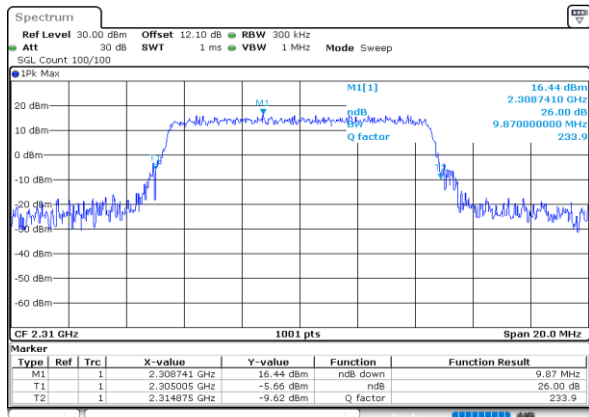
Date: 1.DEC.2023 19:53:21

Middle Channel / 5MHz / 64QAM



Date: 1.DEC.2023 19:50:01

Middle Channel / 10MHz / 64QAM



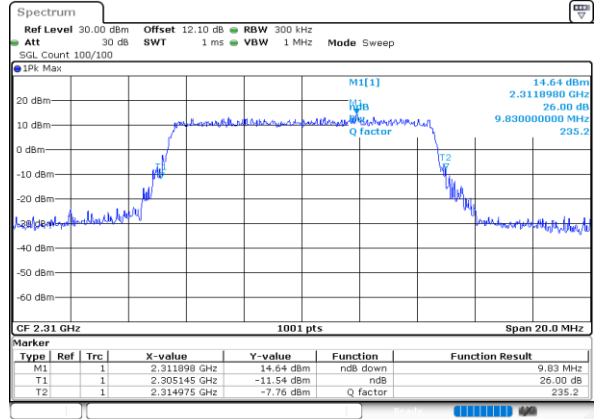
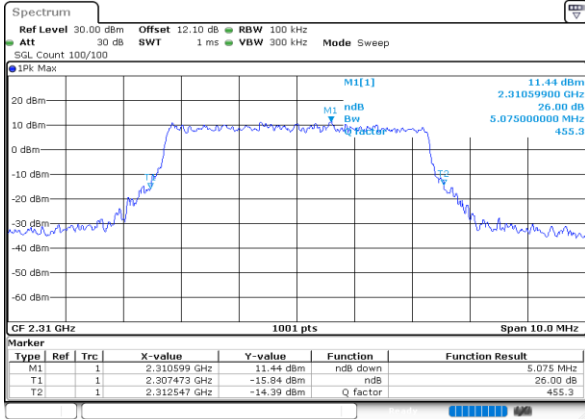
Date: 1.DEC.2023 19:53:48



LTE Band 30

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM





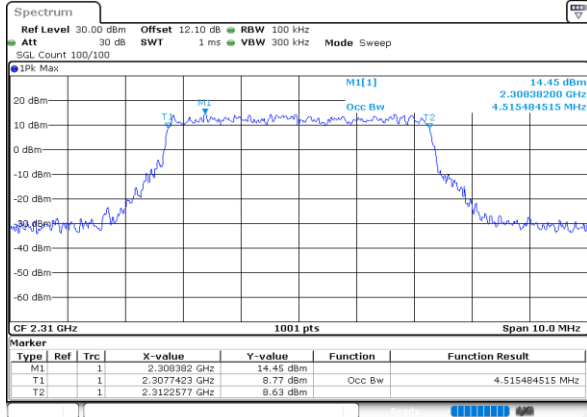
Occupied Bandwidth

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	4.51	9.05	9.05	-	-	-	-
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	4.51	9.07	9.07	-	-	-	-



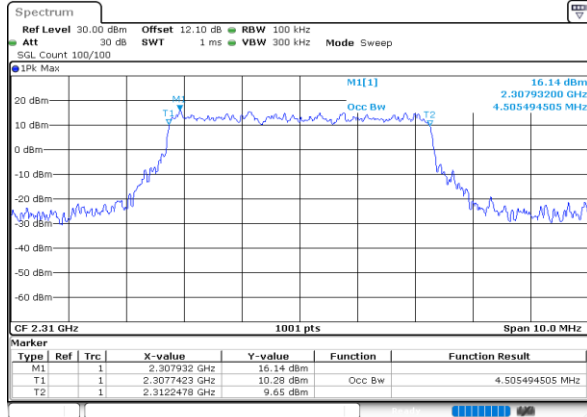
LTE Band 30

Middle Channel / 5MHz / QPSK



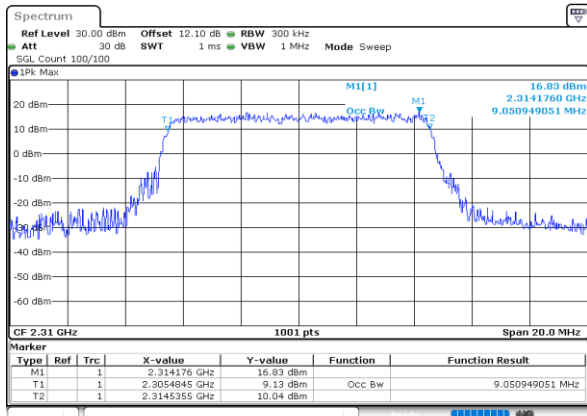
Date: 1.DEC.2023 19:47:15

Middle Channel / 5MHz / 16QAM



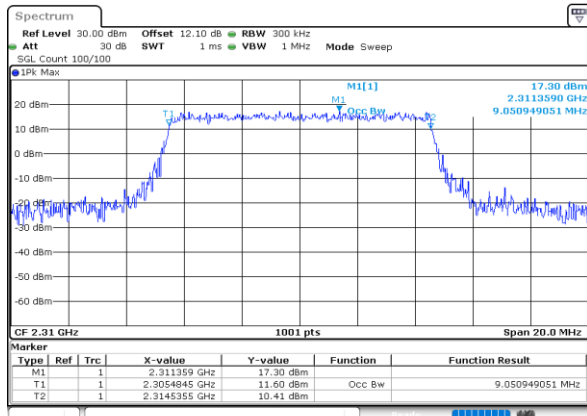
Date: 1.DEC.2023 19:47:42

Middle Channel / 10MHz / QPSK



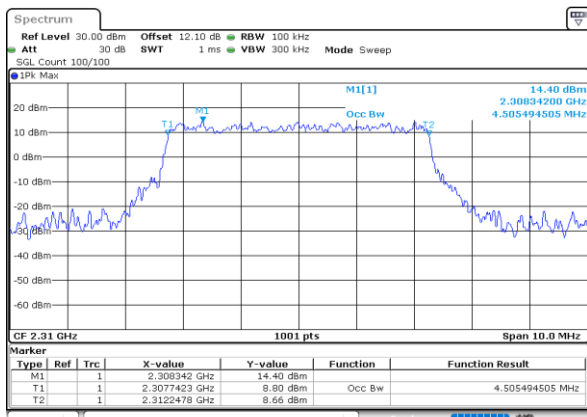
Date: 1.DEC.2023 19:51:02

Middle Channel / 10MHz / 16QAM



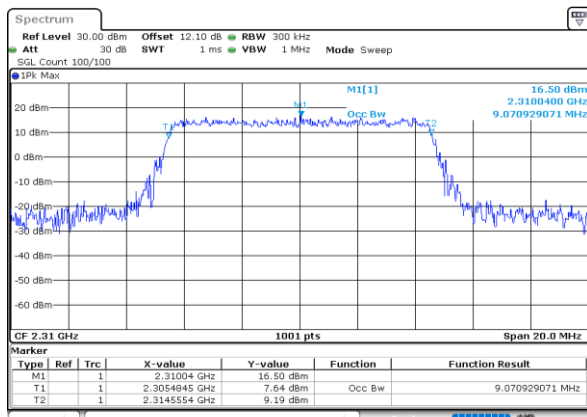
Date: 1.DEC.2023 19:51:30

Middle Channel / 5MHz / 64QAM



Date: 1.DEC.2023 19:48:10

Middle Channel / 10MHz / 64QAM



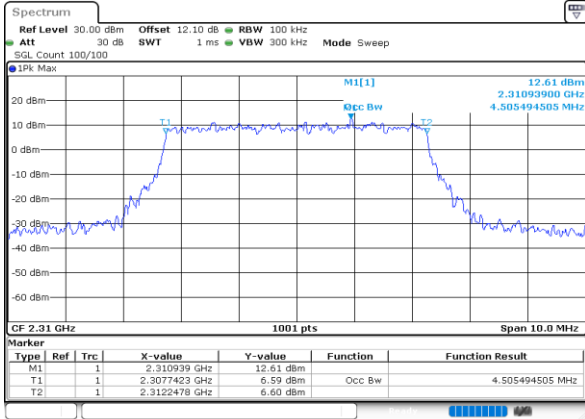
Date: 1.DEC.2023 19:51:58



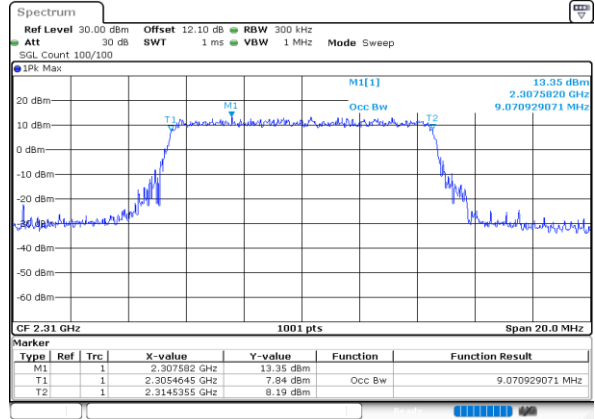
LTE Band 30

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



Date: 1.DEC.2023 19:46:38



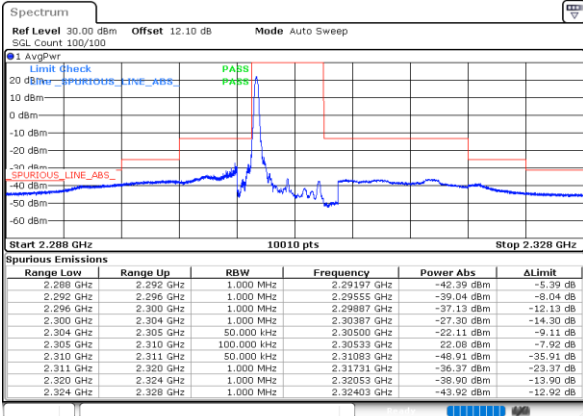
Date: 1.DEC.2023 19:52:25



Conducted Band Edge

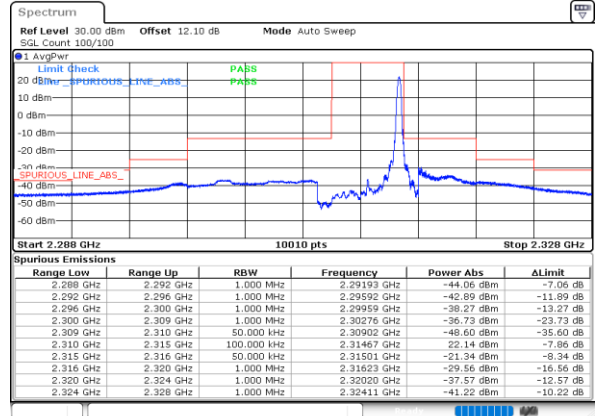
LTE Band 30 / 5MHz / QPSK

Lowest Band Edge / 1 RB



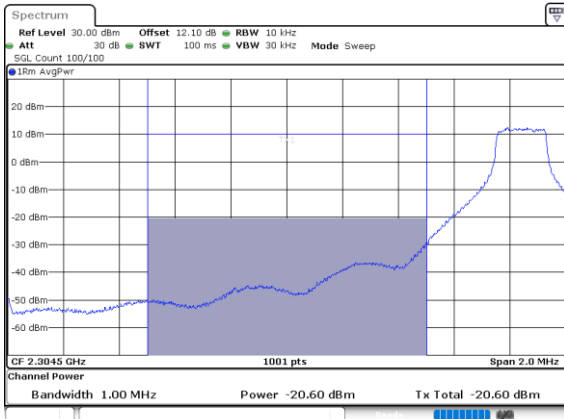
Date: 1.DEC.2023 19:25:01

Highest Band Edge / 1 RB



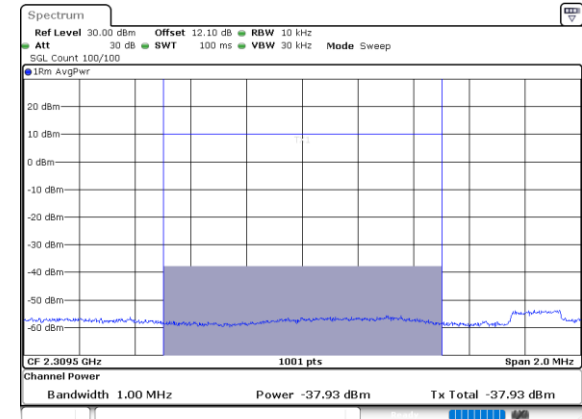
Date: 1.DEC.2023 19:32:45

Lowest Band Edge / 1 RB / Lower zoom in



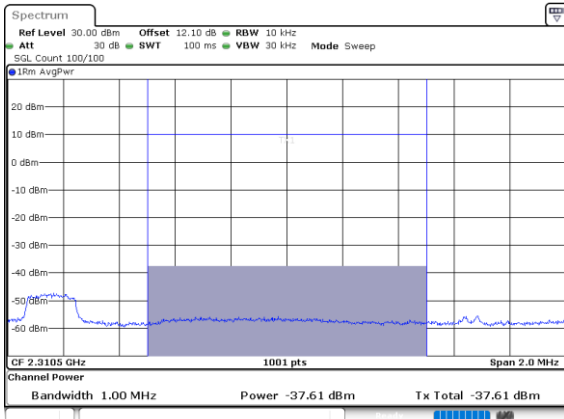
Date: 1.DEC.2023 20:39:58

Highest Band Edge / 1 RB / Lower zoom in



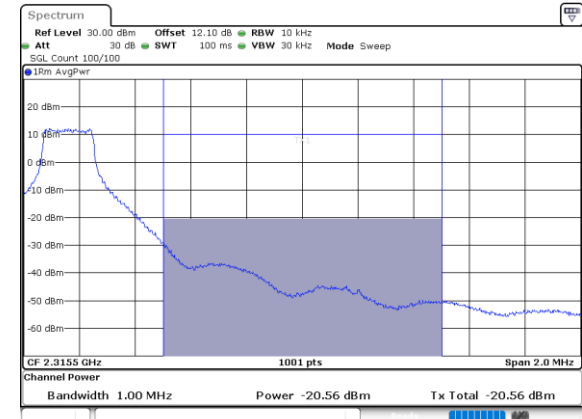
Date: 1.DEC.2023 20:27:51

Lowest Band Edge / 1 RB / Upper zoom in



Date: 1.DEC.2023 20:40:46

Highest Band Edge / 1 RB / Upper zoom in



Date: 1.DEC.2023 20:29:20