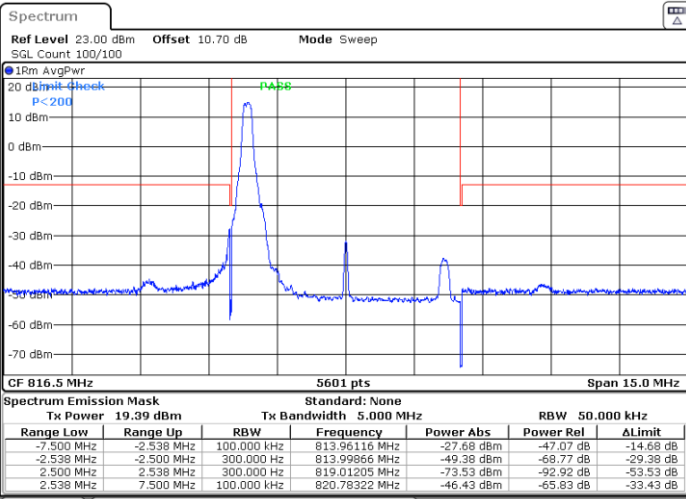




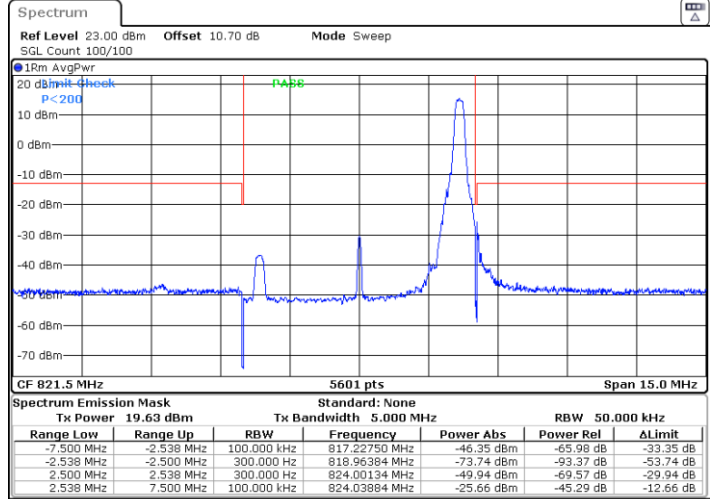
LTE Band 26 / 5MHz / 256QAM

Lowest Band Edge / 1RB



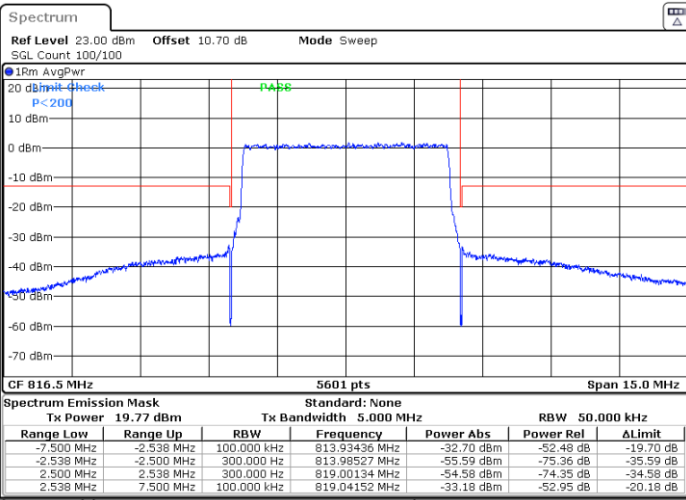
Date: 4 JUN.2022 04:52:41

Highest Band Edge / 1 RB



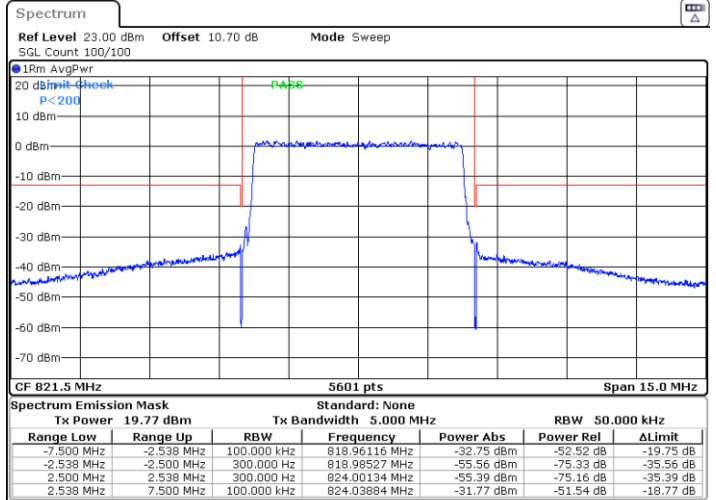
Date: 4 JUN.2022 04:54:38

Lowest Band Edge / Full RB



Date: 4 JUN.2022 04:53:40

Highest Band Edge / Full RB

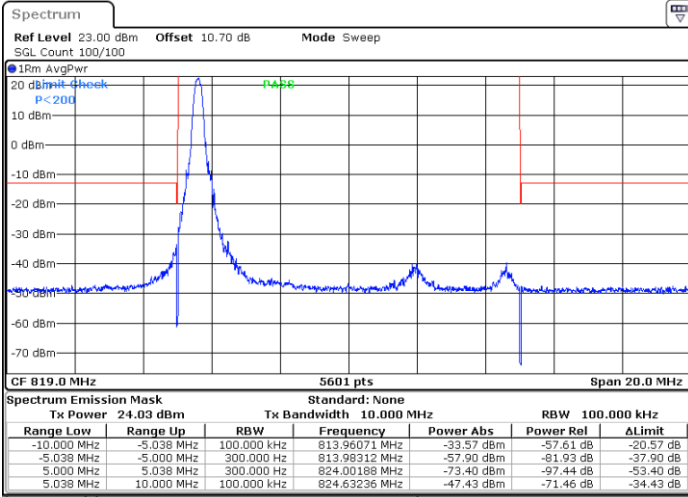


Date: 4 JUN.2022 04:55:37



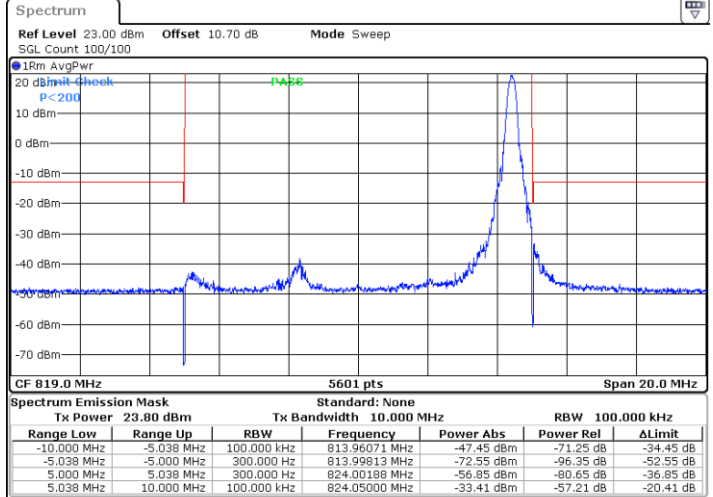
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB



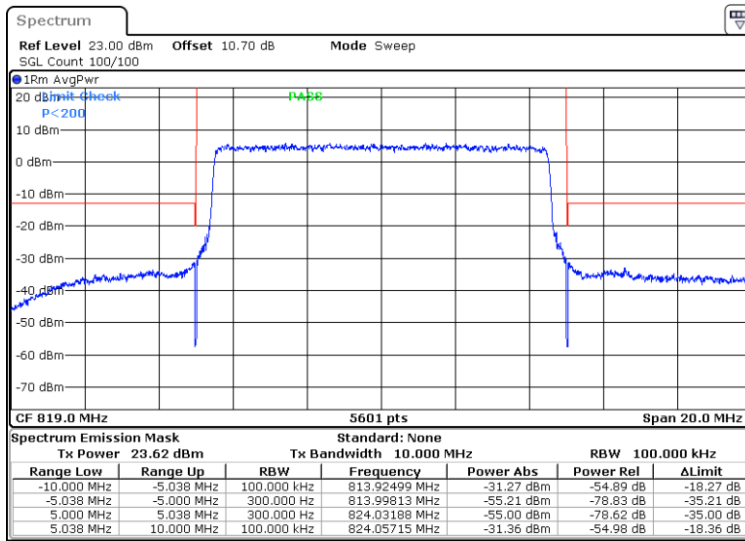
Date: 1.JUN.2022 05:32:07

Highest Band Edge / 1 RB



Date: 1.JUN.2022 05:42:44

Lowest Band Edge / Full RB

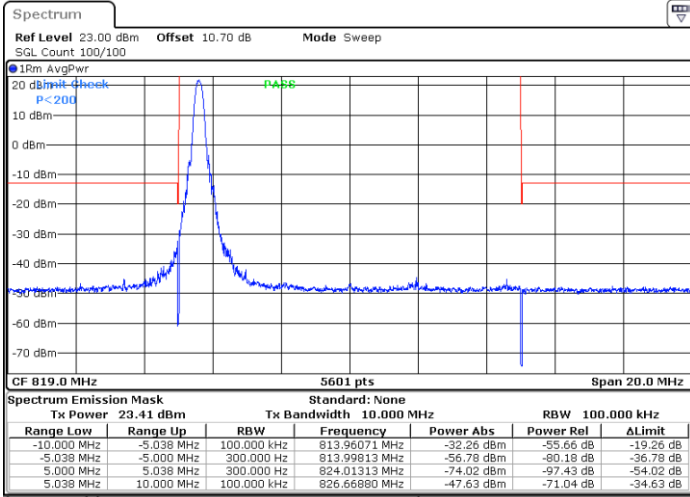


Date: 1.JUN.2022 05:44:29



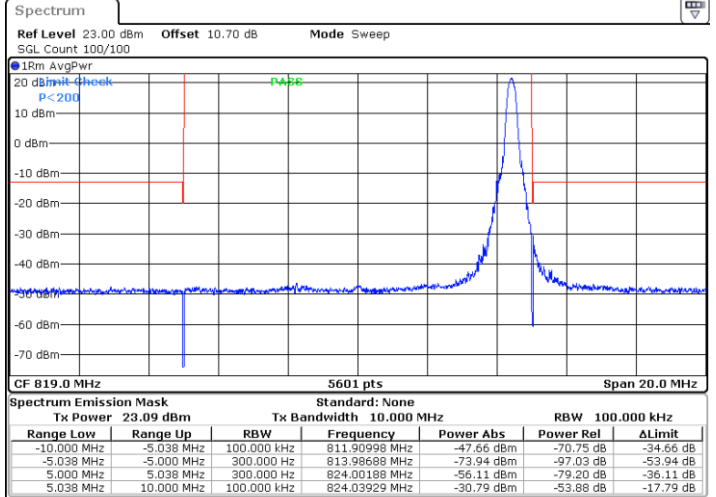
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



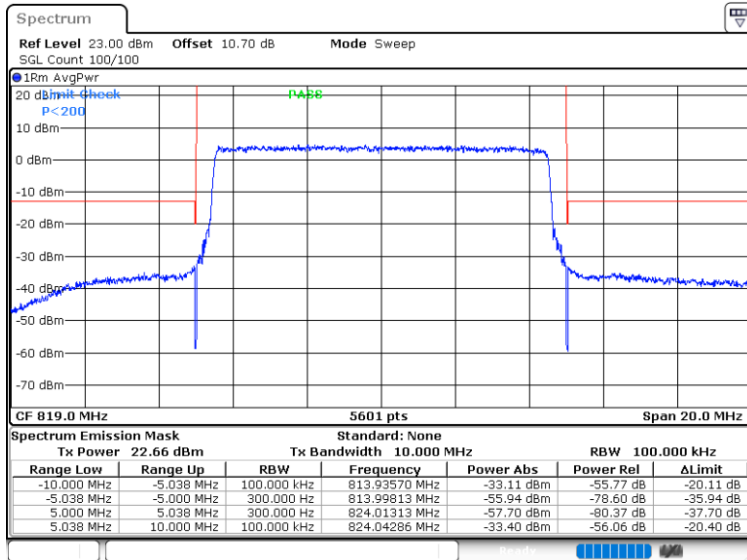
Date: 1.JUN.2022 05:32:59

Highest Band Edge / 1 RB



Date: 1.JUN.2022 05:43:36

Lowest Band Edge / Full RB

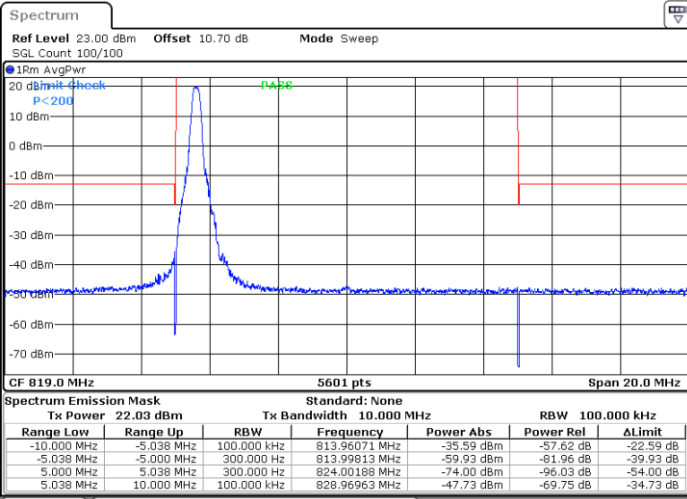


Date: 1.JUN.2022 05:45:22



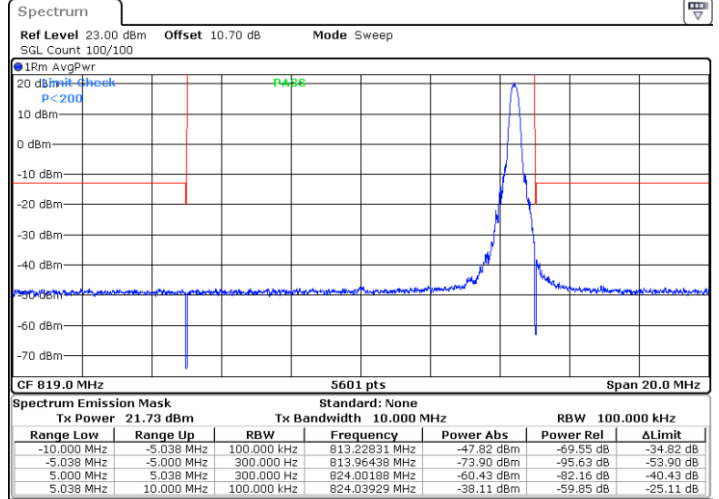
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



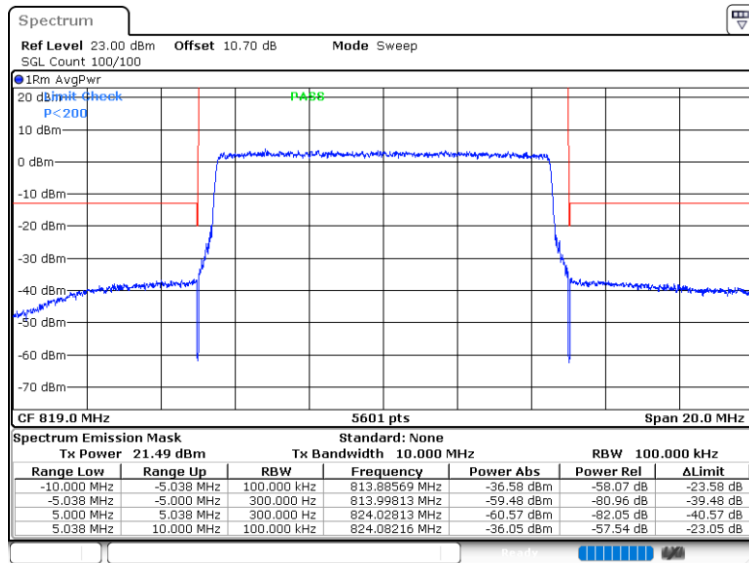
Date: 1.JUN.2022 06:03:32

Highest Band Edge / 1 RB



Date: 1.JUN.2022 06:04:25

Lowest Band Edge / Full RB

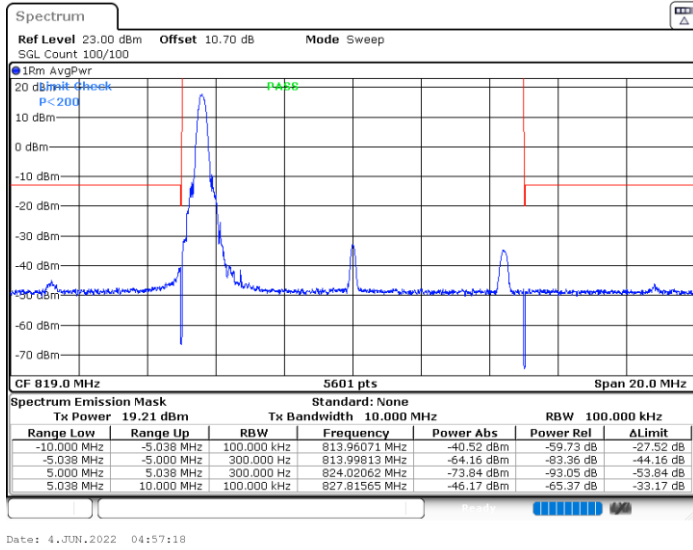


Date: 1.JUN.2022 06:05:18

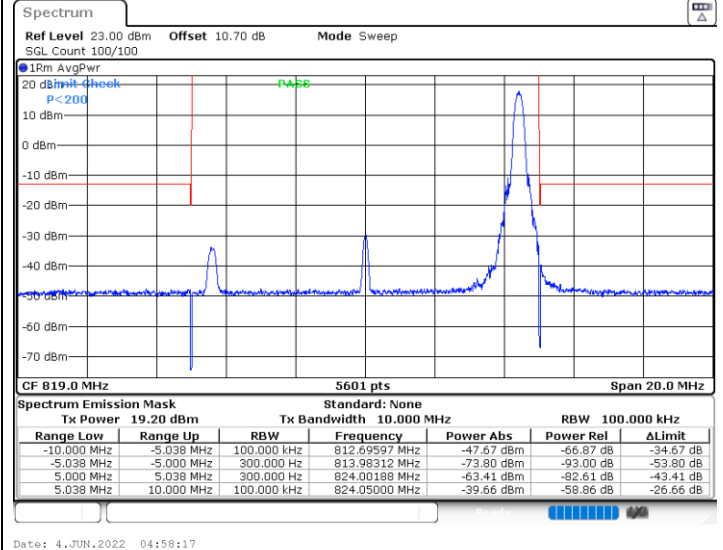


LTE Band 26 / 10MHz / 256QAM

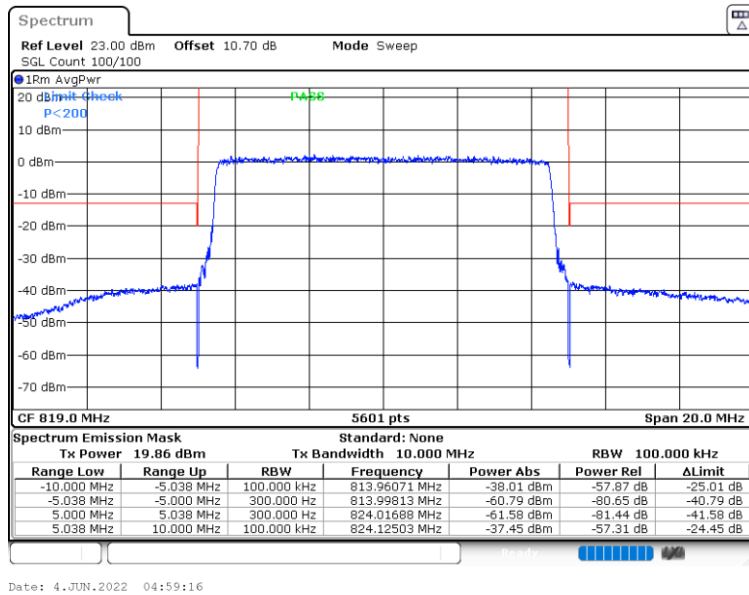
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



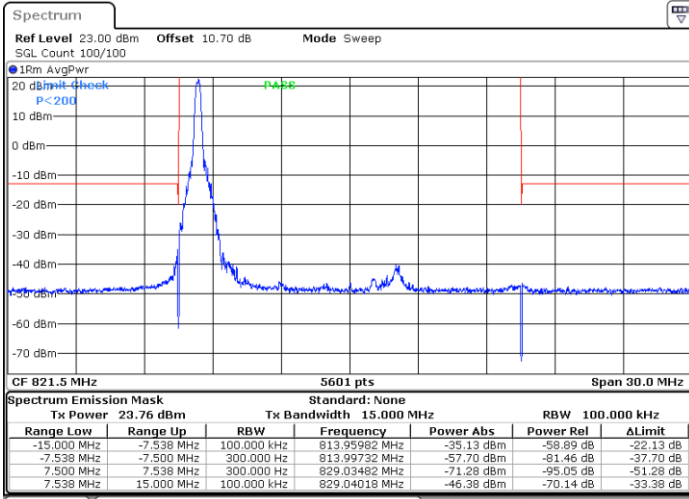
Lowest Band Edge / Full RB





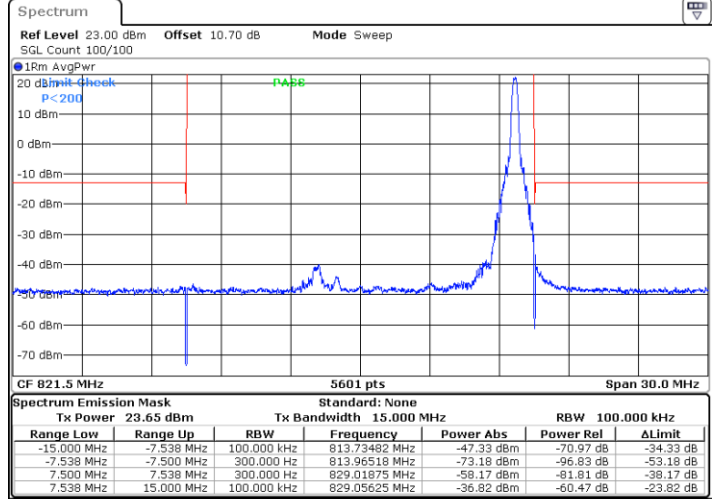
LTE Band 26 / 15MHz / QPSK

Lowest Band Edge / 1 RB



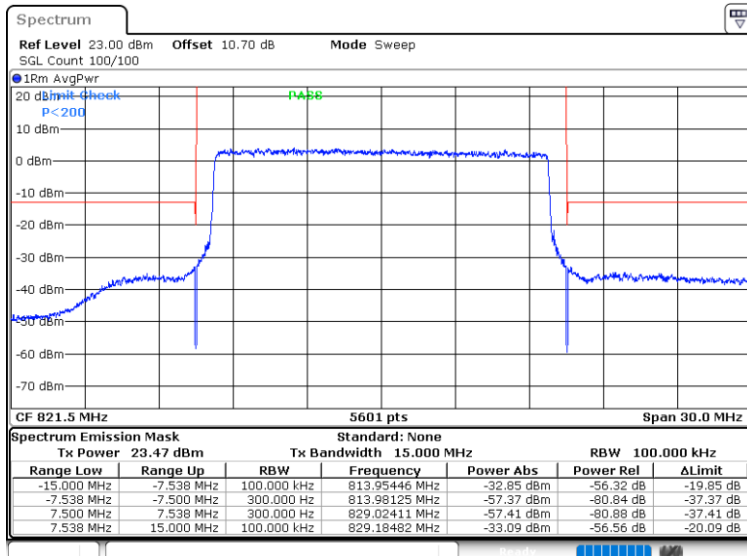
Date: 1.JUN.2022 05:51:12

Highest Band Edge / 1 RB



Date: 1.JUN.2022 05:52:58

Lowest Band Edge / Full RB

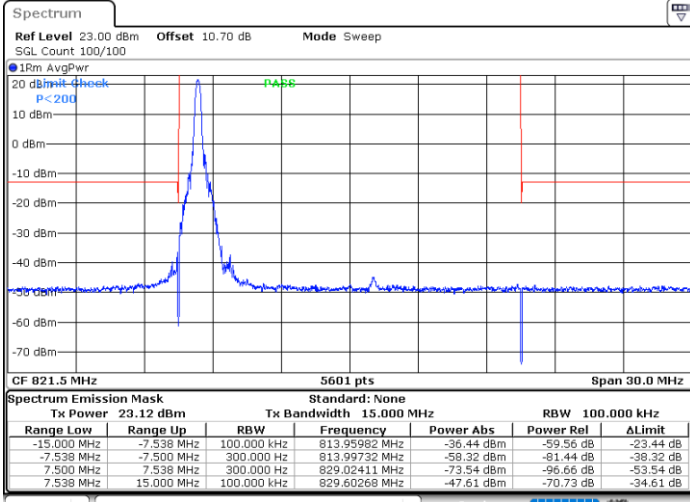


Date: 1.JUN.2022 05:54:43



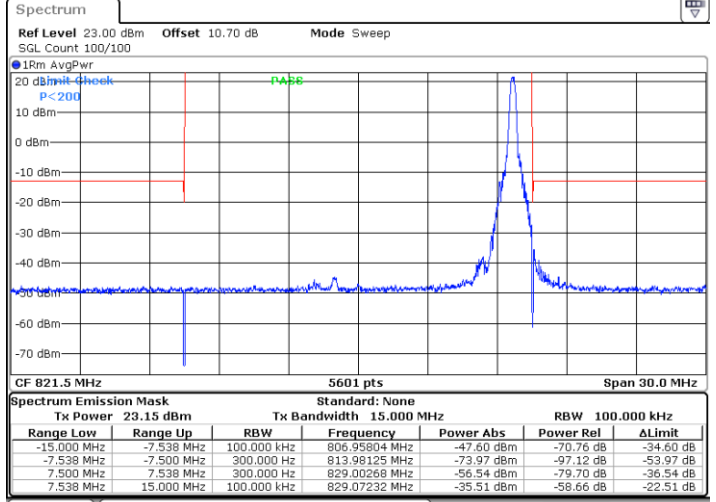
LTE Band 26 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



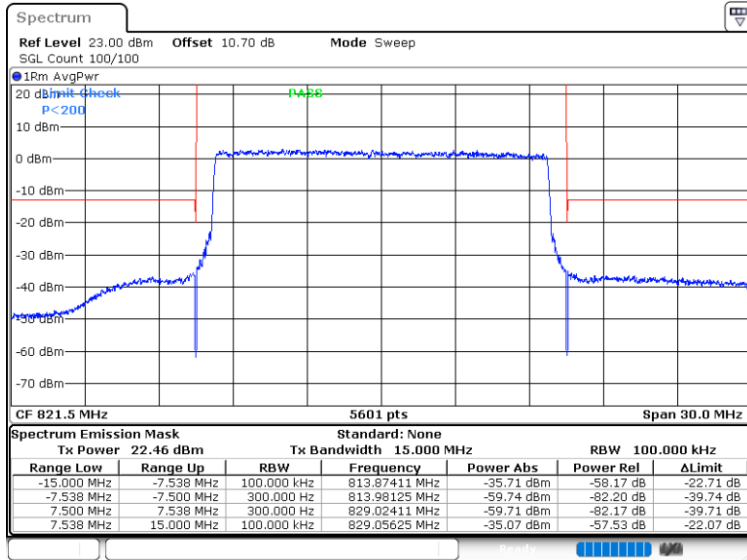
Date: 1.JUN.2022 05:52:05

Highest Band Edge / 1 RB



Date: 1.JUN.2022 05:53:50

Lowest Band Edge / Full RB

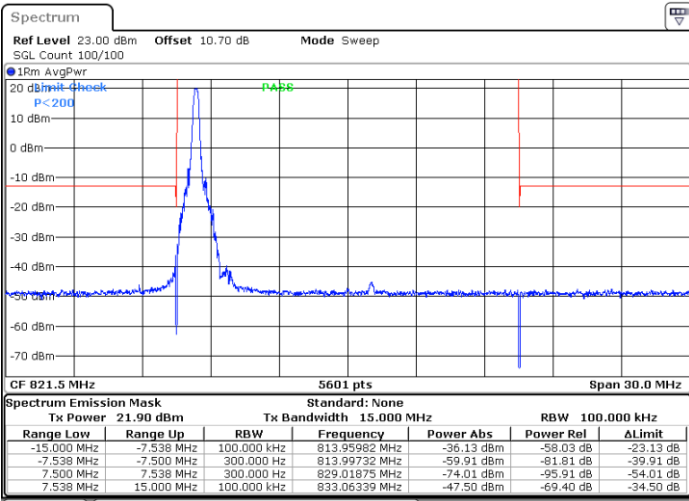


Date: 1.JUN.2022 05:55:36



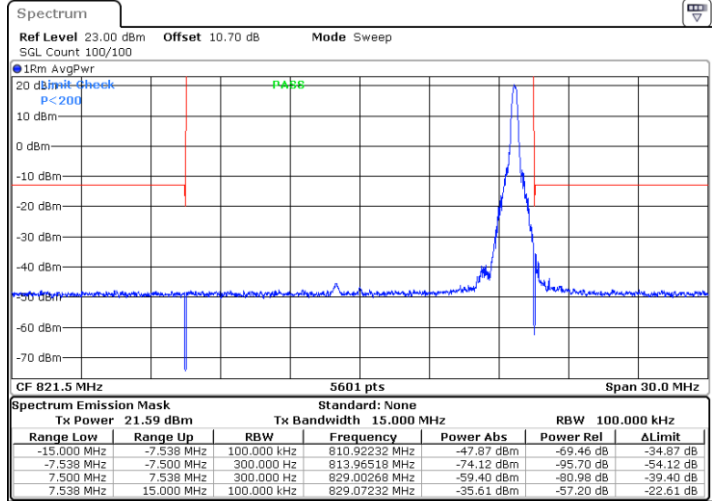
LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



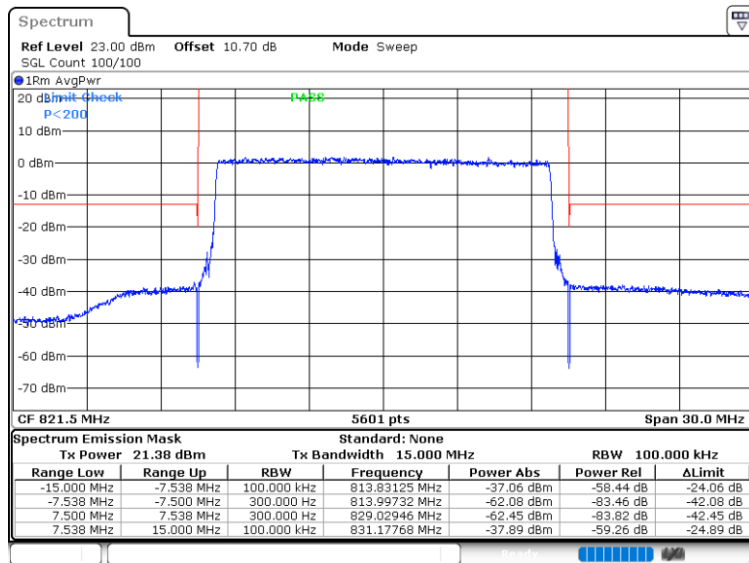
Date: 1.JUN.2022 06:06:11

Highest Band Edge / 1 RB



Date: 1.JUN.2022 06:07:03

Lowest Band Edge / Full RB

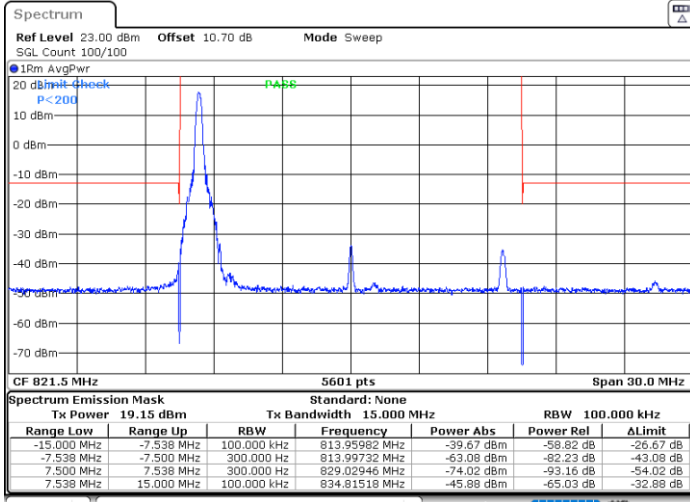


Date: 1.JUN.2022 06:07:56



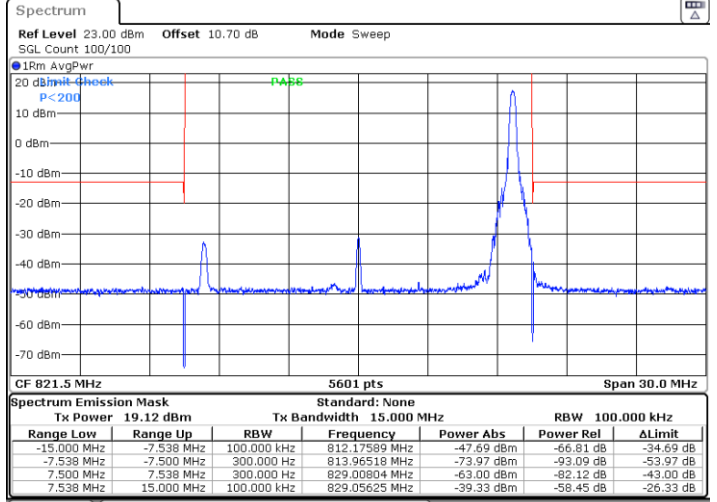
LTE Band 26 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



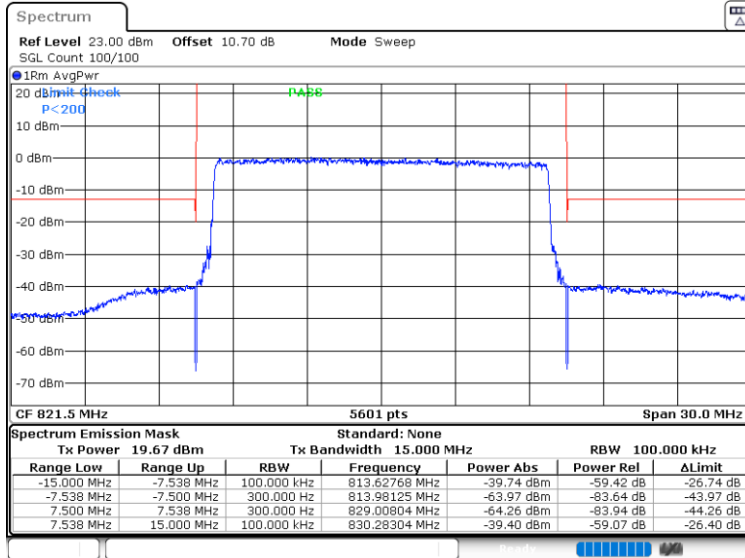
Date: 4 JUN.2022 05:00:13

Highest Band Edge / 1 RB



Date: 4 JUN.2022 05:01:12

Lowest Band Edge / Full RB



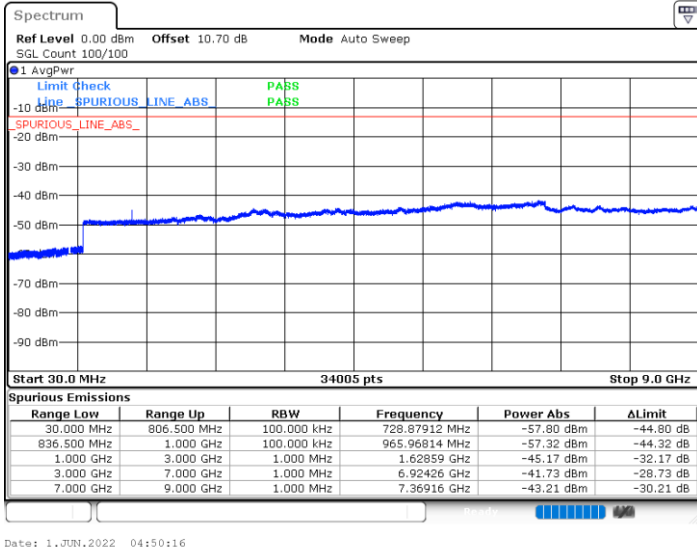
Date: 4 JUN.2022 05:02:11



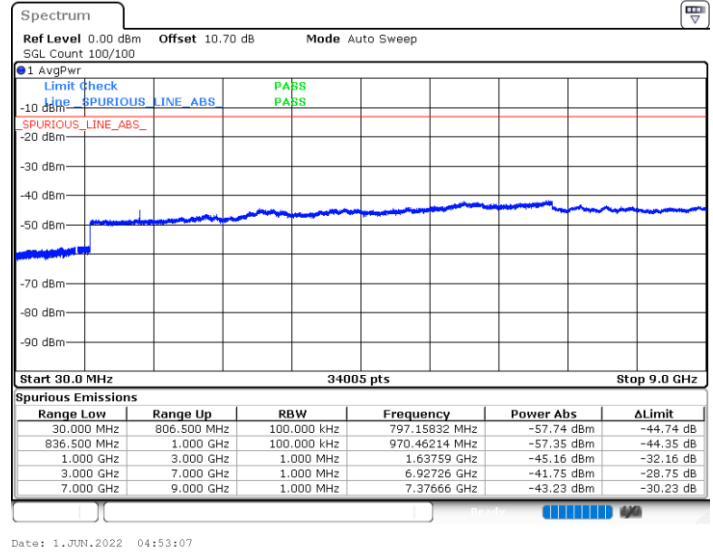
Emission masks – Out of band emissions

LTE Band 26 / 1.4MHz

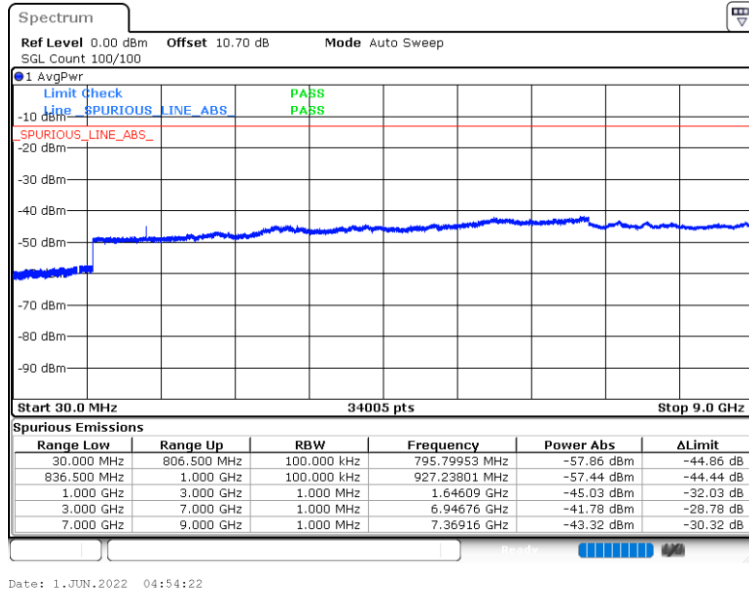
Lowest Channel / QPSK



Middle Channel / QPSK



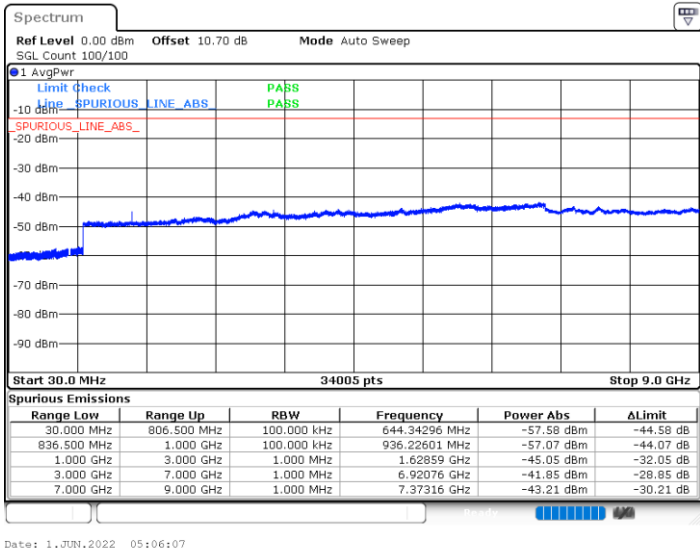
Highest Channel / QPSK



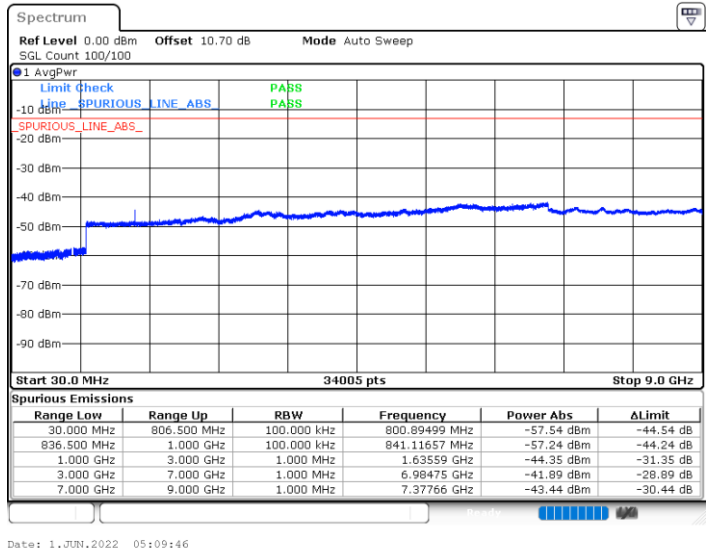


LTE Band 26 / 3MHz

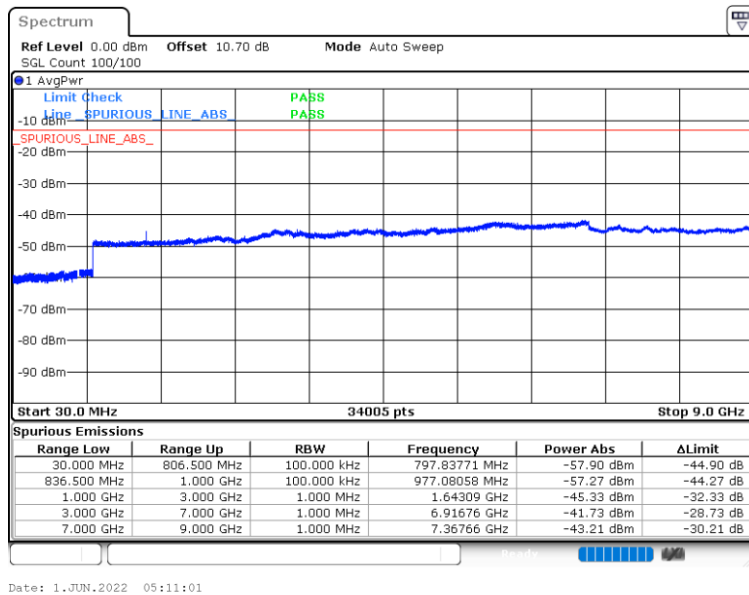
Lowest Channel / QPSK



Middle Channel / QPSK



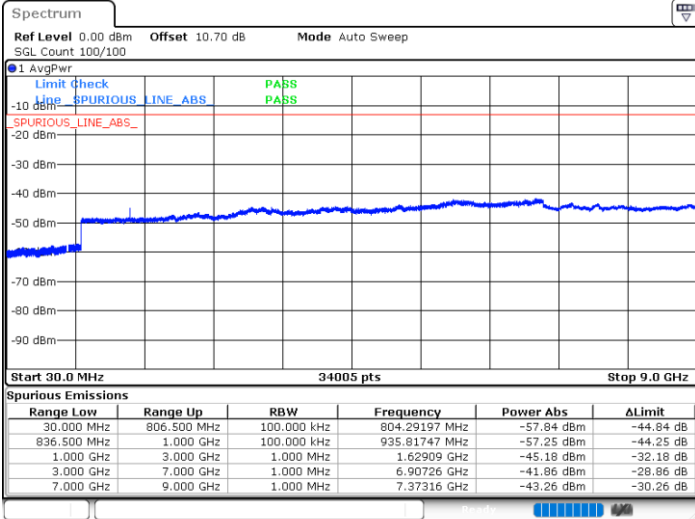
Highest Channel / QPSK





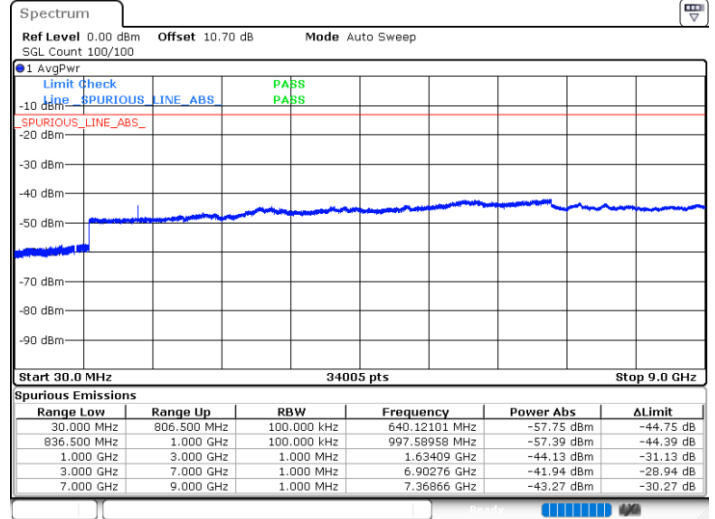
LTE Band 26 / 5MHz

Lowest Channel / QPSK



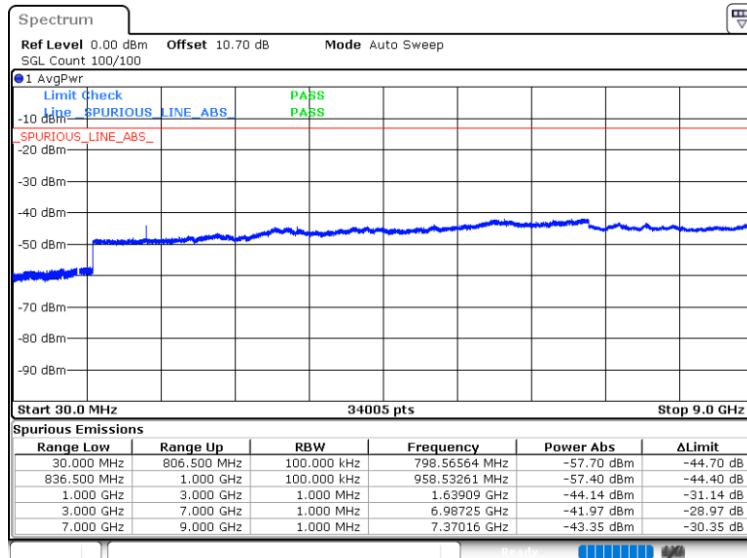
Date: 1.JUN.2022 05:20:07

Middle Channel / QPSK



Date: 1.JUN.2022 05:22:59

Highest Channel / QPSK

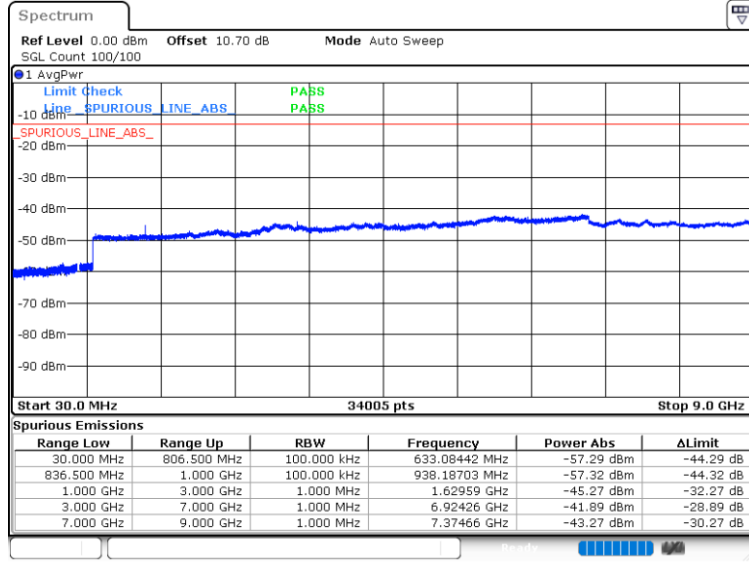


Date: 1.JUN.2022 05:24:13



LTE Band 26 / 10MHz

Middle Channel / QPSK

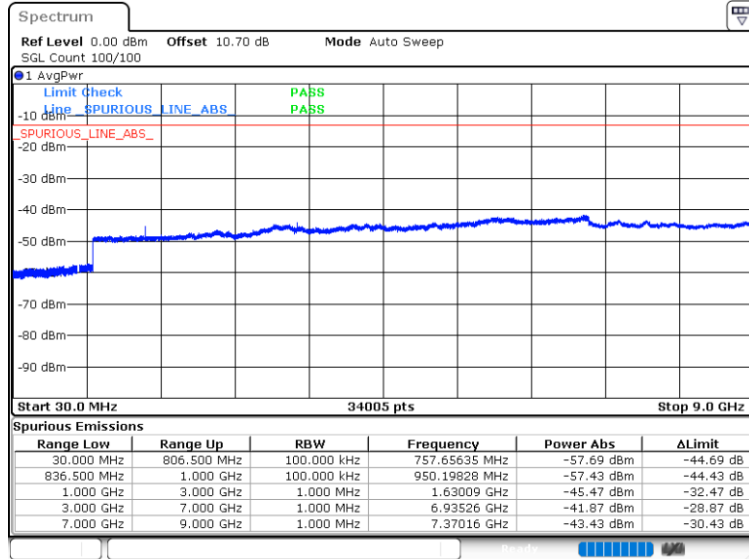


Date: 1.JUN.2022 05:49:01



LTE Band 26 / 15MHz

Middle Channel / QPSK



Date: 1.JUN.2022 06:11:35



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	0.0150	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0145	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0035	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0055	

Note:

1. Normal Voltage = 4.05 V. ; Battery End Point (BEP) = 3.85 V. ; Maximum Voltage = 4.35 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	0.0080	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0084	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0139	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0000	
20	Maximum Voltage	0.0037	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0043	

Note:

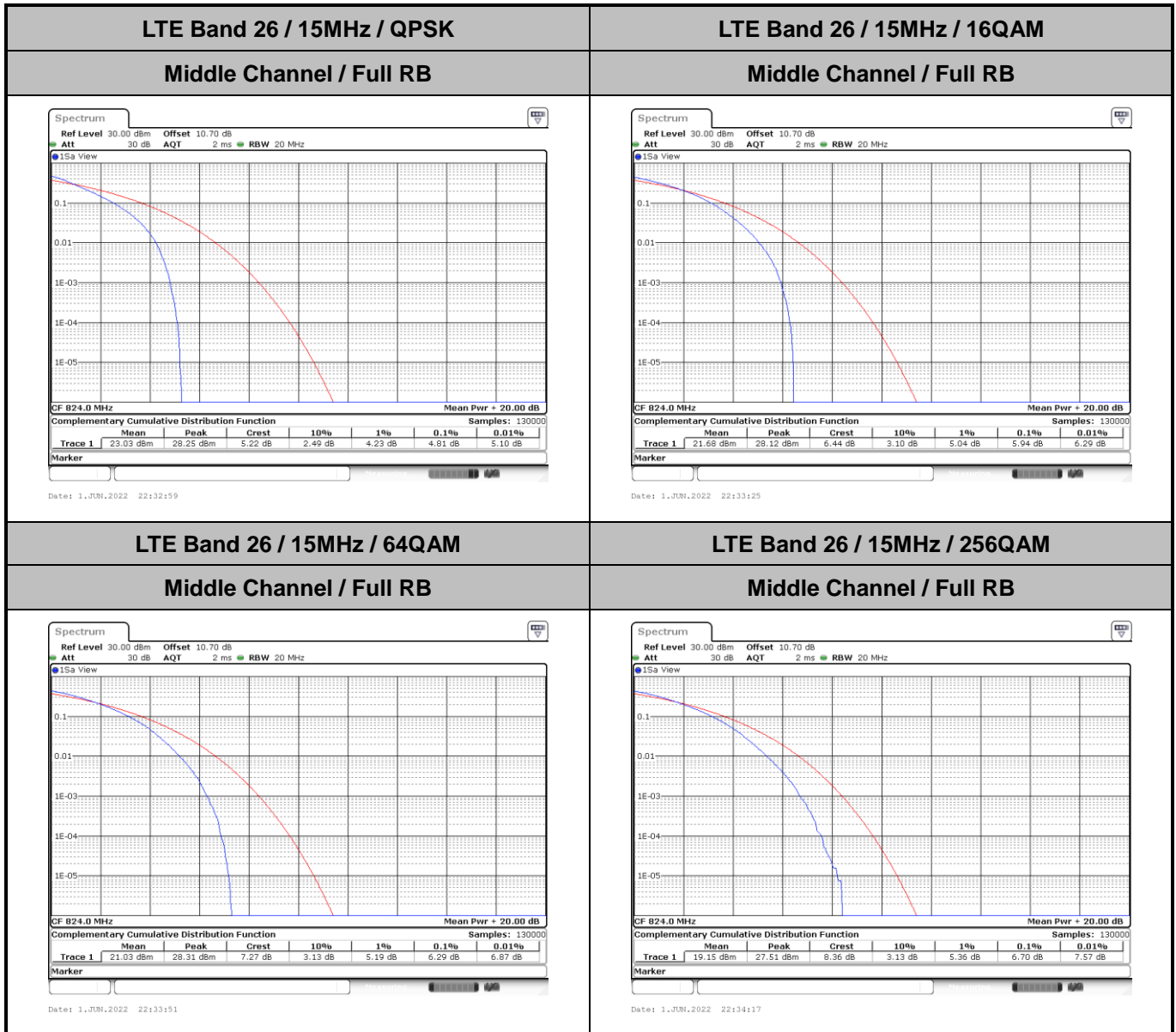
1. Normal Voltage = 4.05 V. ; Battery End Point (BEP) = 3.85 V. ; Maximum Voltage = 4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26_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	4.81	5.94	6.29	6.70	PASS





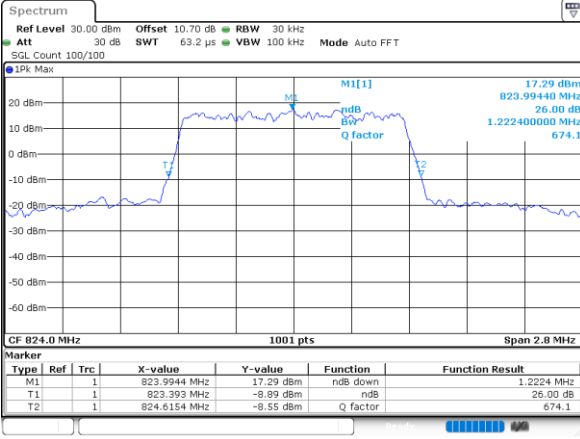
26dB Bandwidth

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	1.22	1.22	3.09	3.03	4.85	4.90	9.69	9.77	14.39	14.27	-	-
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	1.22	1.21	3.03	3.00	4.95	4.91	9.89	9.87	14.45	14.33	-	-



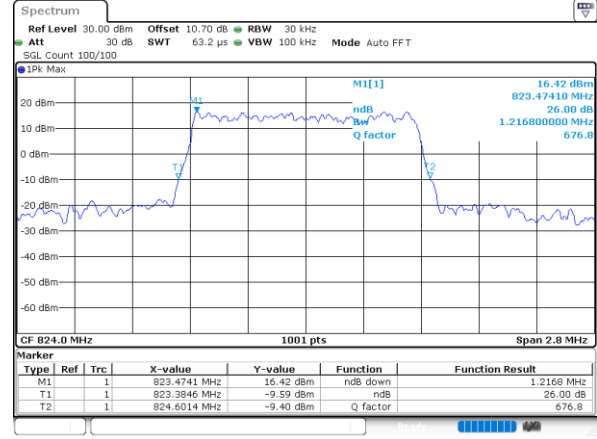
LTE Band 26

Middle Channel / 1.4MHz / QPSK



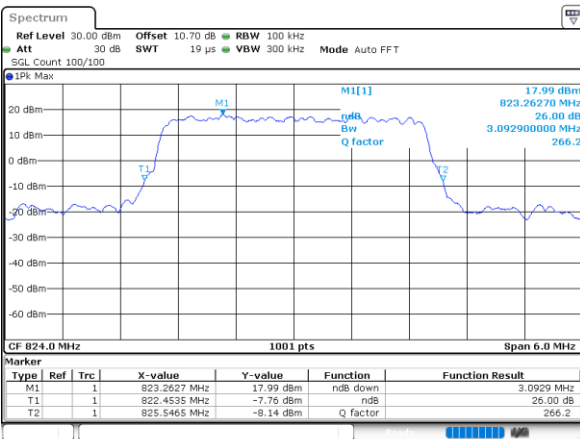
Date: 1.JUN.2022 22:07:35

Middle Channel / 1.4MHz / 16QAM



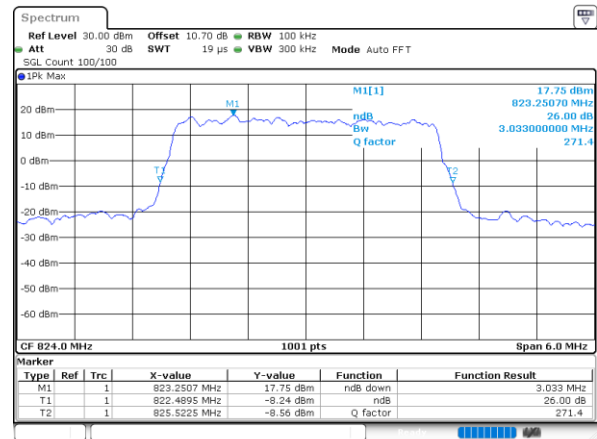
Date: 1.JUN.2022 22:07:59

Middle Channel / 3MHz / QPSK



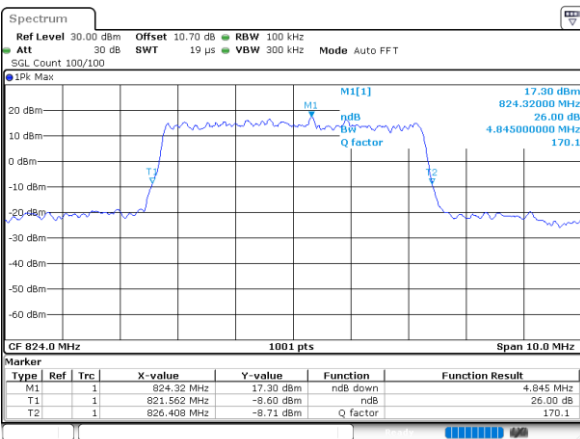
Date: 1.JUN.2022 22:12:35

Middle Channel / 3MHz / 16QAM



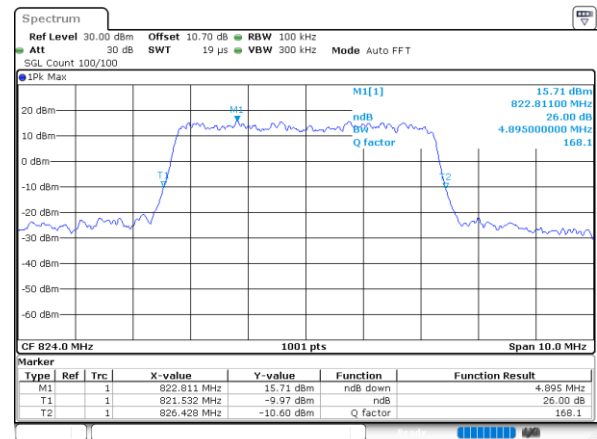
Date: 1.JUN.2022 22:12:59

Middle Channel / 5MHz / QPSK



Date: 1.JUN.2022 22:16:38

Middle Channel / 5MHz / 16QAM

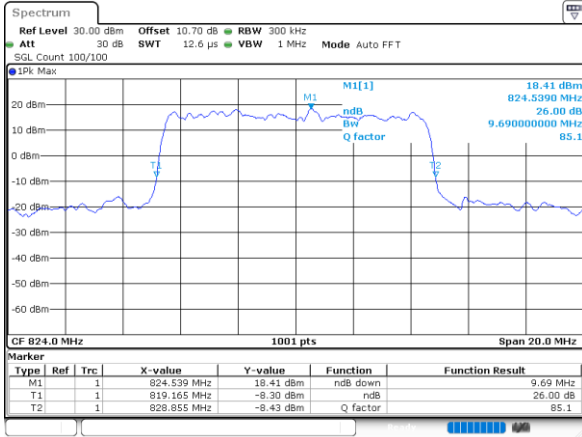


Date: 1.JUN.2022 22:17:02



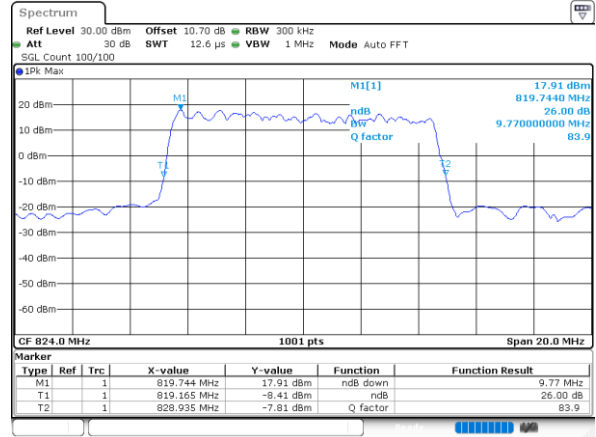
LTE Band 26

Middle Channel / 10MHz / QPSK



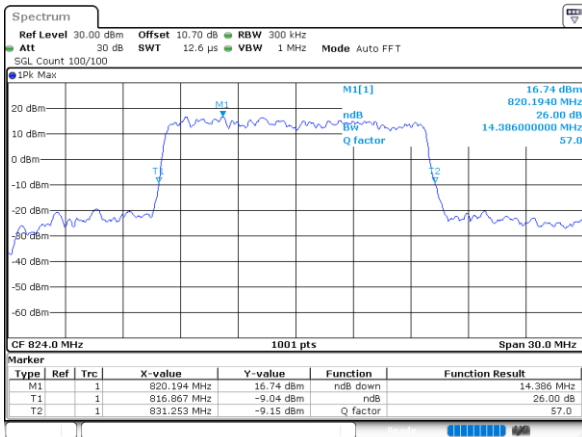
Date: 1 JUN 2022 22:26:24

Middle Channel / 10MHz / 16QAM



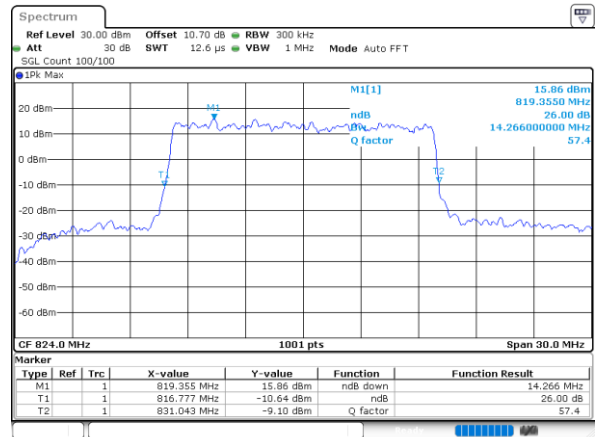
Date: 1 JUN 2022 22:26:48

Middle Channel / 15MHz / QPSK



Date: 1 JUN 2022 22:30:03

Middle Channel / 15MHz / 16QAM

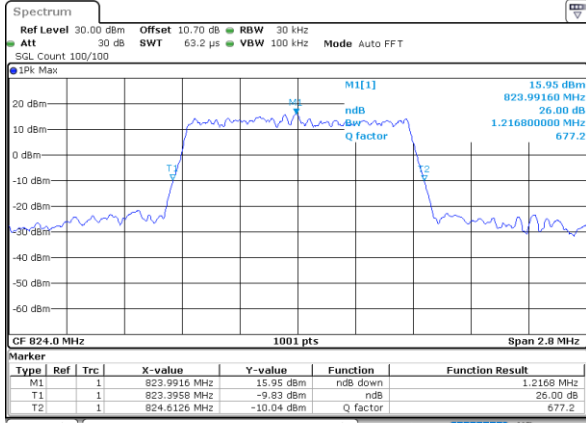


Date: 1 JUN 2022 22:30:27



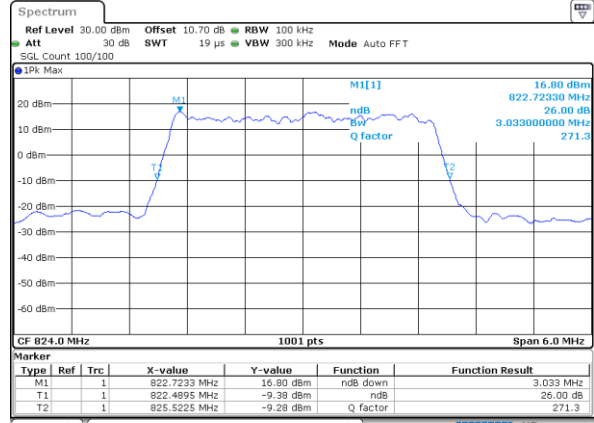
LTE Band 26

Middle Channel / 1.4MHz / 64QAM



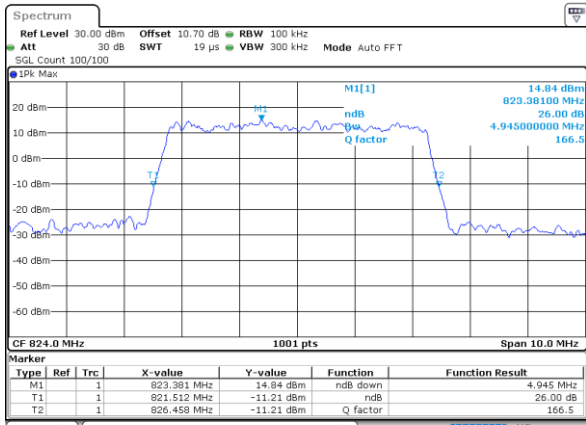
Date: 1.JUN.2022 22:09:11

Middle Channel / 3MHz / 64QAM



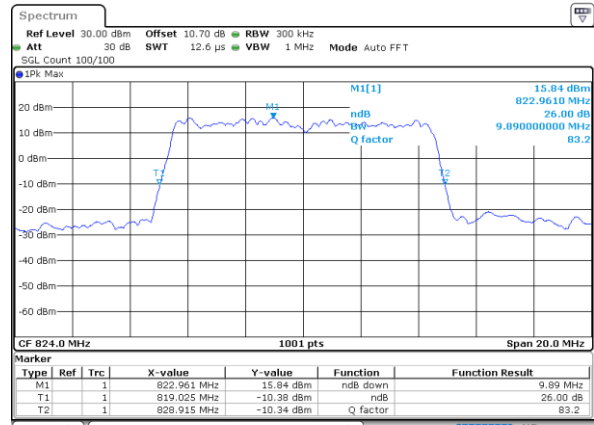
Date: 1.JUN.2022 22:14:11

Middle Channel / 5MHz / 64QAM



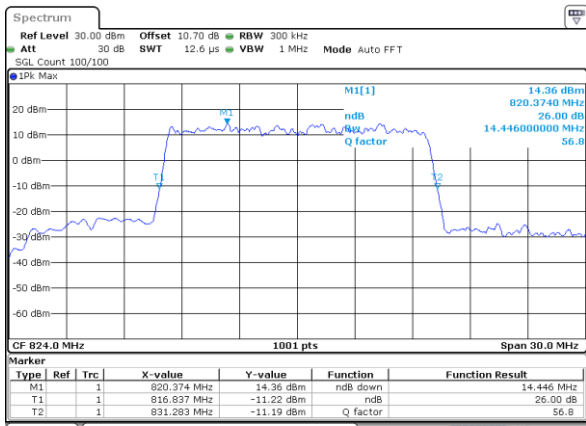
Date: 1.JUN.2022 22:18:14

Middle Channel / 10MHz / 64QAM



Date: 1.JUN.2022 22:28:00

Middle Channel / 15MHz / 64QAM



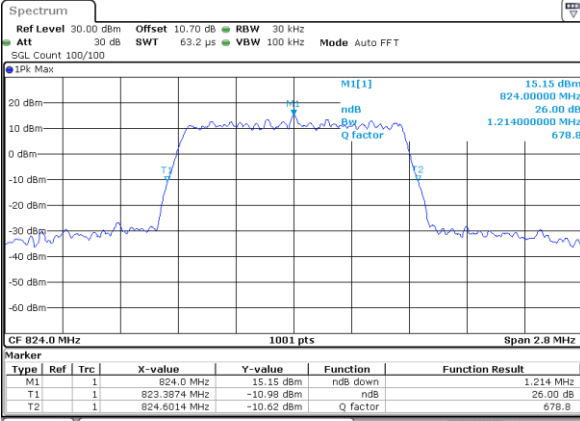
Date: 1.JUN.2022 22:31:39

N/A



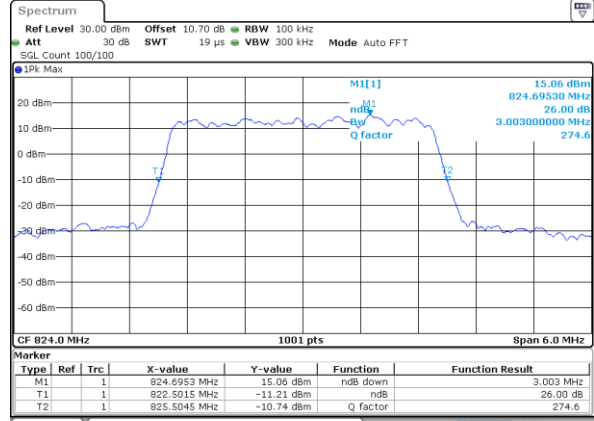
LTE Band 26

Middle Channel / 1.4MHz / 256QAM



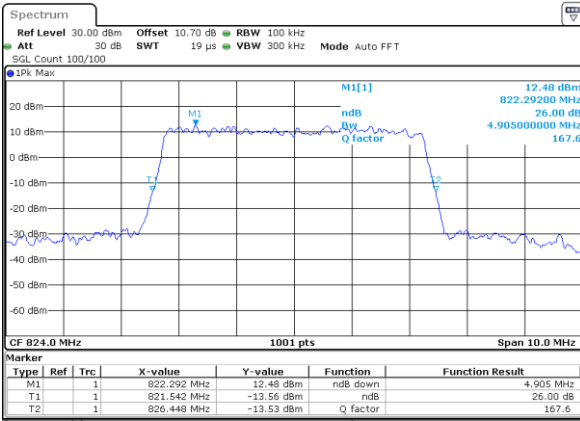
Date: 1.JUN.2022 22:10:02

Middle Channel / 3MHz / 256QAM



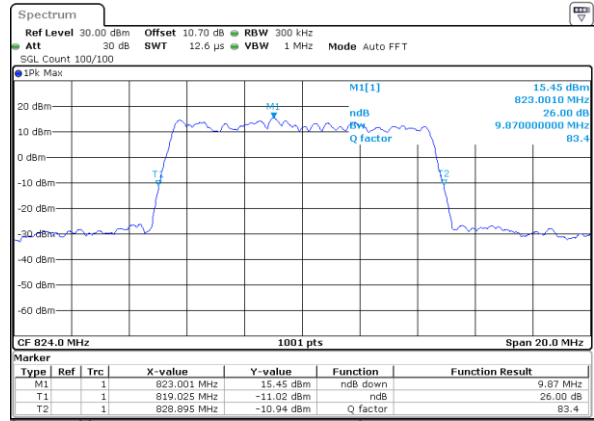
Date: 1.JUN.2022 22:15:02

Middle Channel / 5MHz / 256QAM



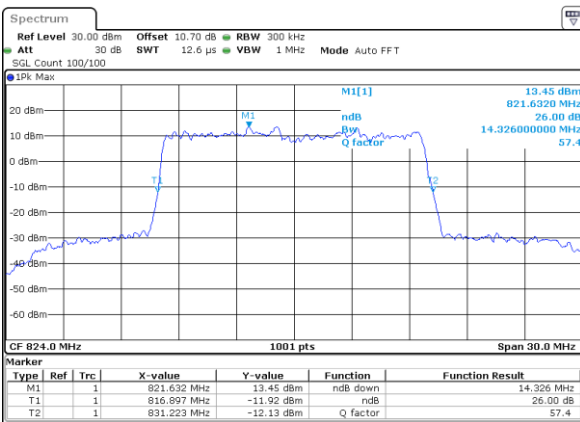
Date: 1.JUN.2022 22:19:05

Middle Channel / 10MHz / 256QAM



Date: 1.JUN.2022 22:20:51

Middle Channel / 15MHz / 256QAM



Date: 1.JUN.2022 22:32:31

N/A



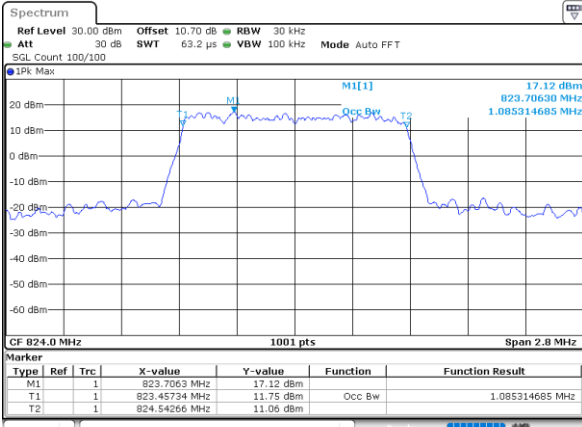
Occupied Bandwidth

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	2.75	4.48	4.47	8.97	9.03	13.4	13.43	-	-
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	1.08	1.08	2.72	2.72	4.5	4.49	9.01	9.05	13.49	13.49	-	-



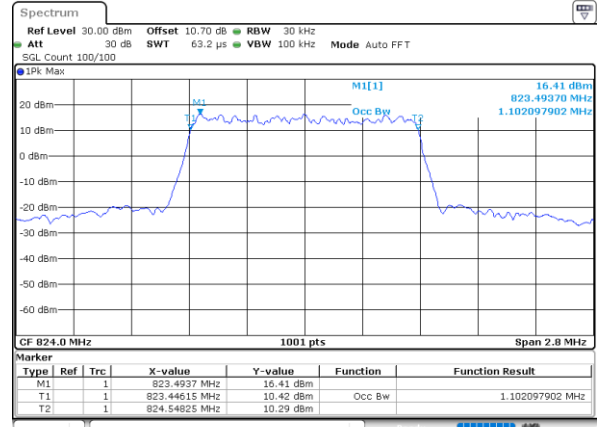
LTE Band 26

Middle Channel / 1.4MHz / QPSK



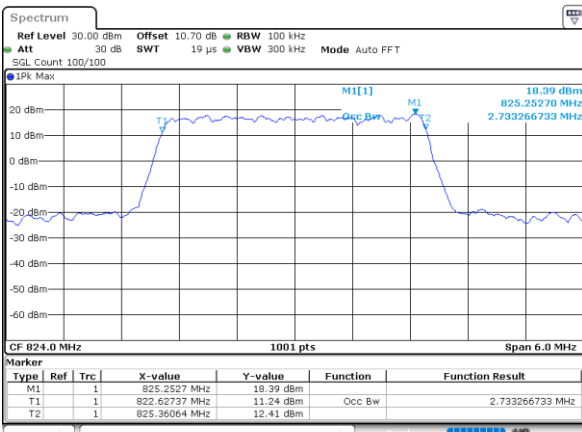
Date: 1.JUN.2022 22:07:11

Middle Channel / 1.4MHz / 16QAM



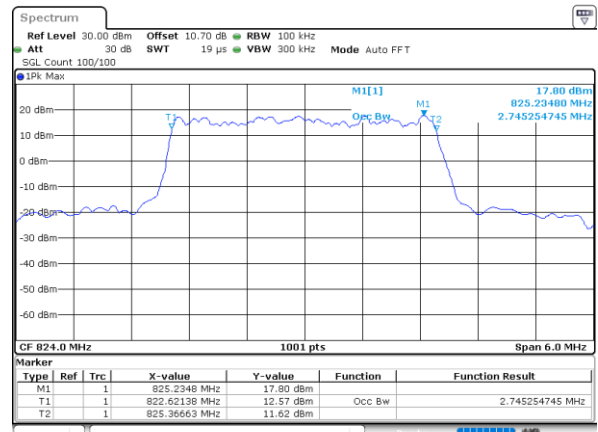
Date: 1.JUN.2022 22:08:23

Middle Channel / 3MHz / QPSK



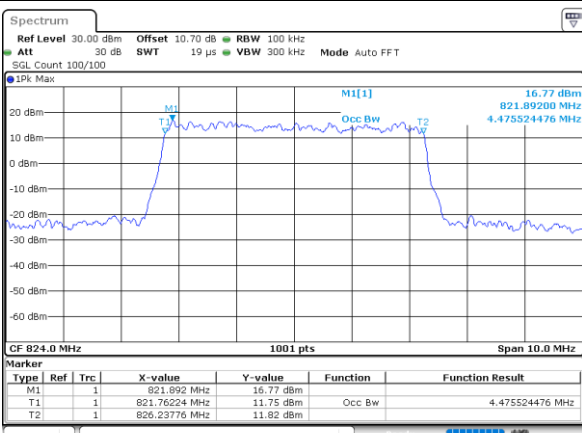
Date: 1.JUN.2022 22:12:11

Middle Channel / 3MHz / 16QAM



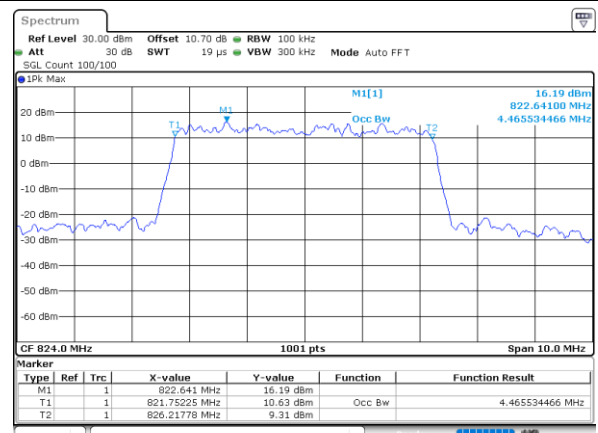
Date: 1.JUN.2022 22:13:23

Middle Channel / 5MHz / QPSK



Date: 1.JUN.2022 22:16:14

Middle Channel / 5MHz / 16QAM

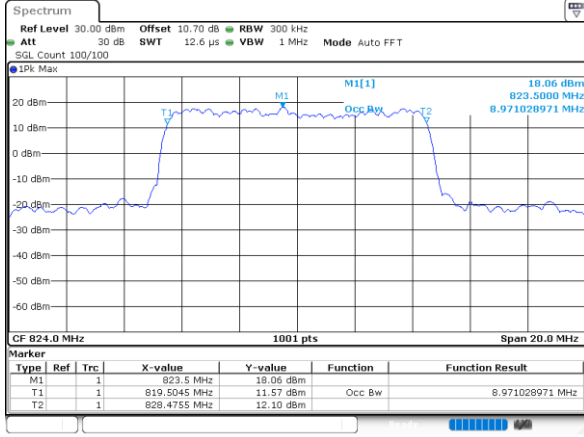


Date: 1.JUN.2022 22:17:26



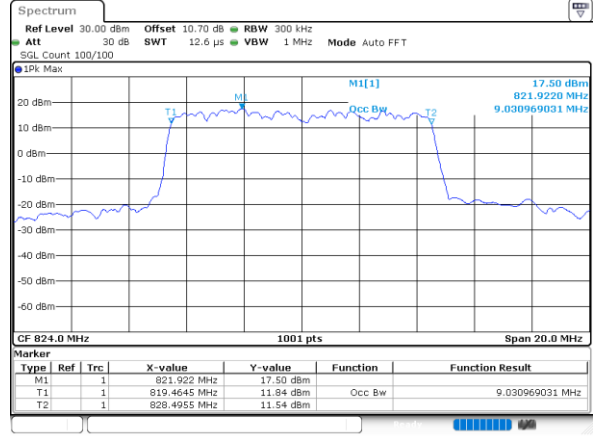
LTE Band 26

Middle Channel / 10MHz / QPSK



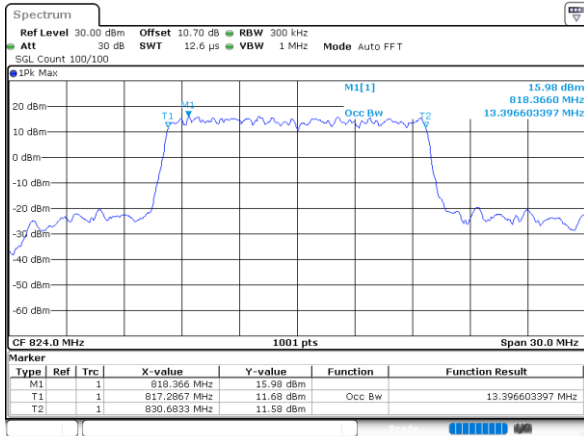
Date: 1.JUN.2022 22:25:59

Middle Channel / 10MHz / 16QAM



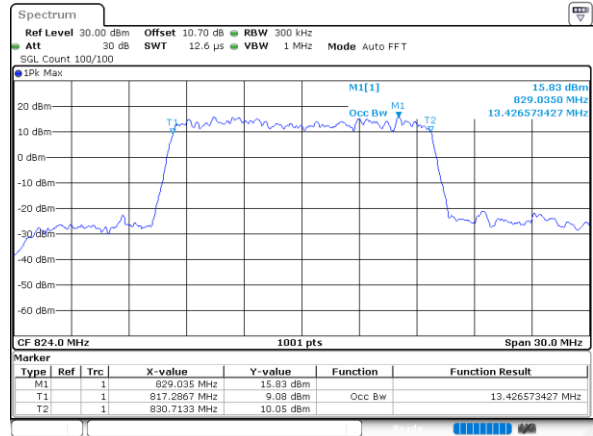
Date: 1.JUN.2022 22:27:12

Middle Channel / 15MHz / QPSK



Date: 1.JUN.2022 22:29:39

Middle Channel / 15MHz / 16QAM

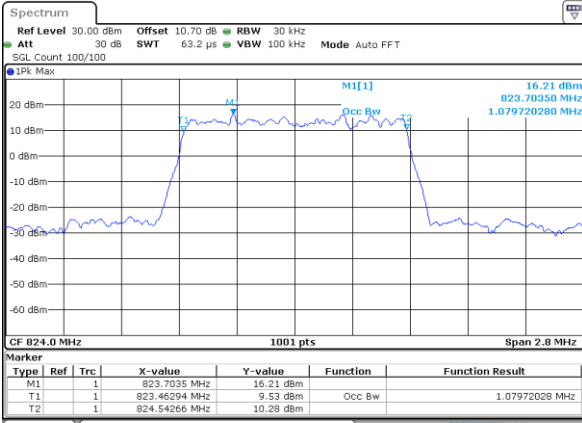


Date: 1.JUN.2022 22:30:51



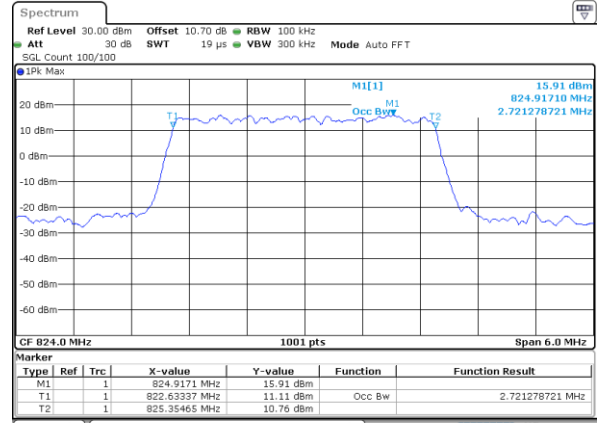
LTE Band 26

Middle Channel / 1.4MHz / 64QAM



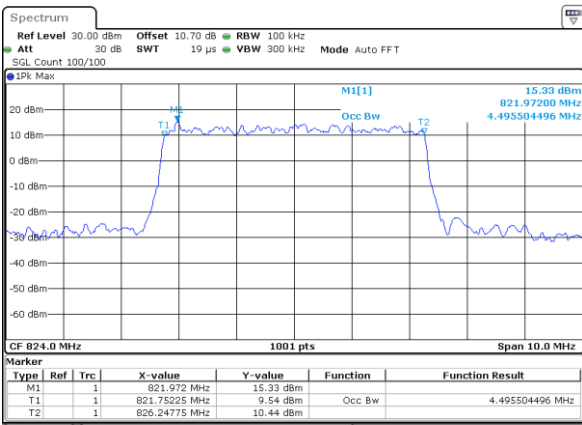
Date: 1.JUN.2022 22:08:47

Middle Channel / 3MHz / 64QAM



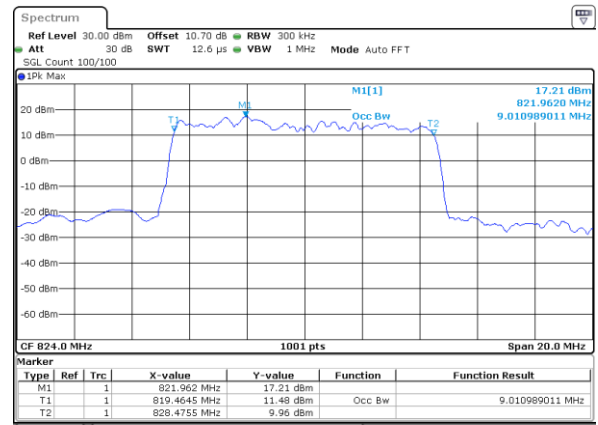
Date: 1.JUN.2022 22:13:47

Middle Channel / 5MHz / 64QAM



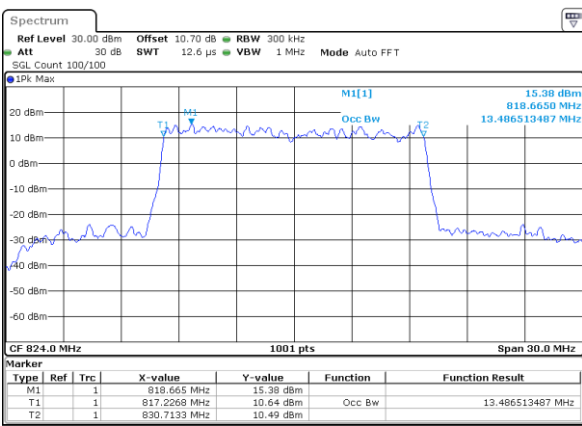
Date: 1.JUN.2022 22:17:50

Middle Channel / 10MHz / 64QAM



Date: 1.JUN.2022 22:27:36

Middle Channel / 15MHz / 64QAM



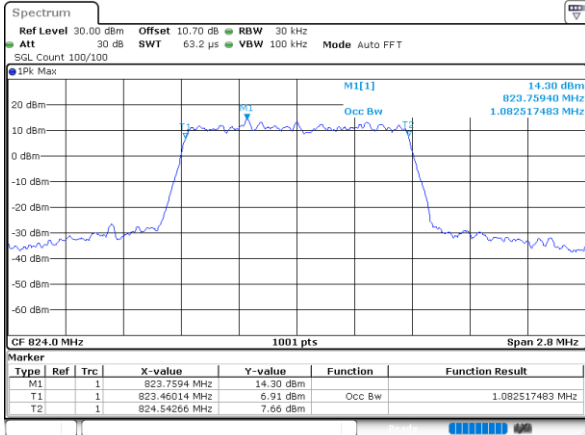
Date: 1.JUN.2022 22:31:15

N/A



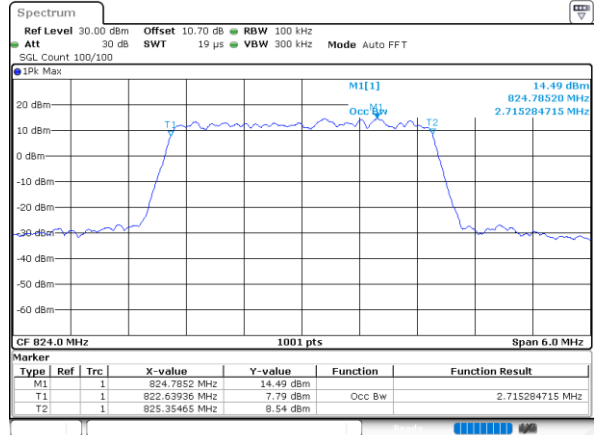
LTE Band 26

Middle Channel / 1.4MHz / 256QAM



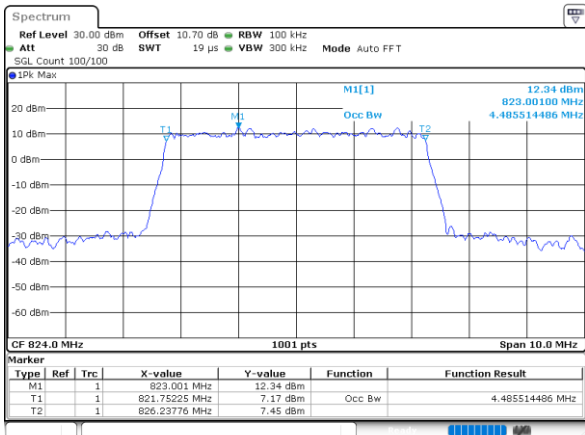
Date: 1.JUN.2022 22:09:35

Middle Channel / 3MHz / 256QAM



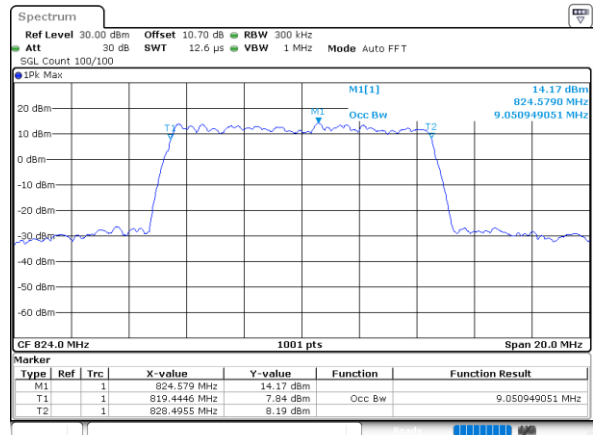
Date: 1.JUN.2022 22:14:36

Middle Channel / 5MHz / 256QAM



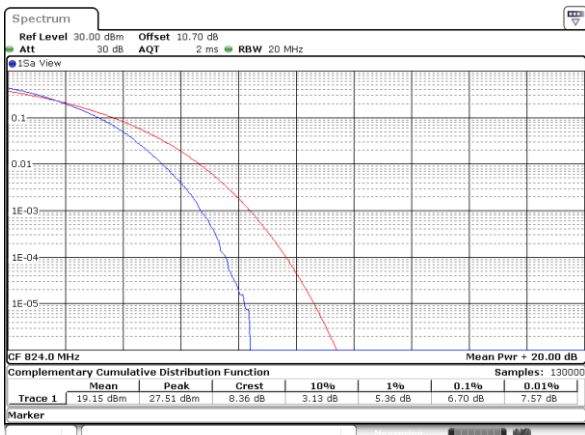
Date: 1.JUN.2022 22:18:38

Middle Channel / 10MHz / 256QAM



Date: 1.JUN.2022 22:28:24

Middle Channel /15MHz / 256QAM

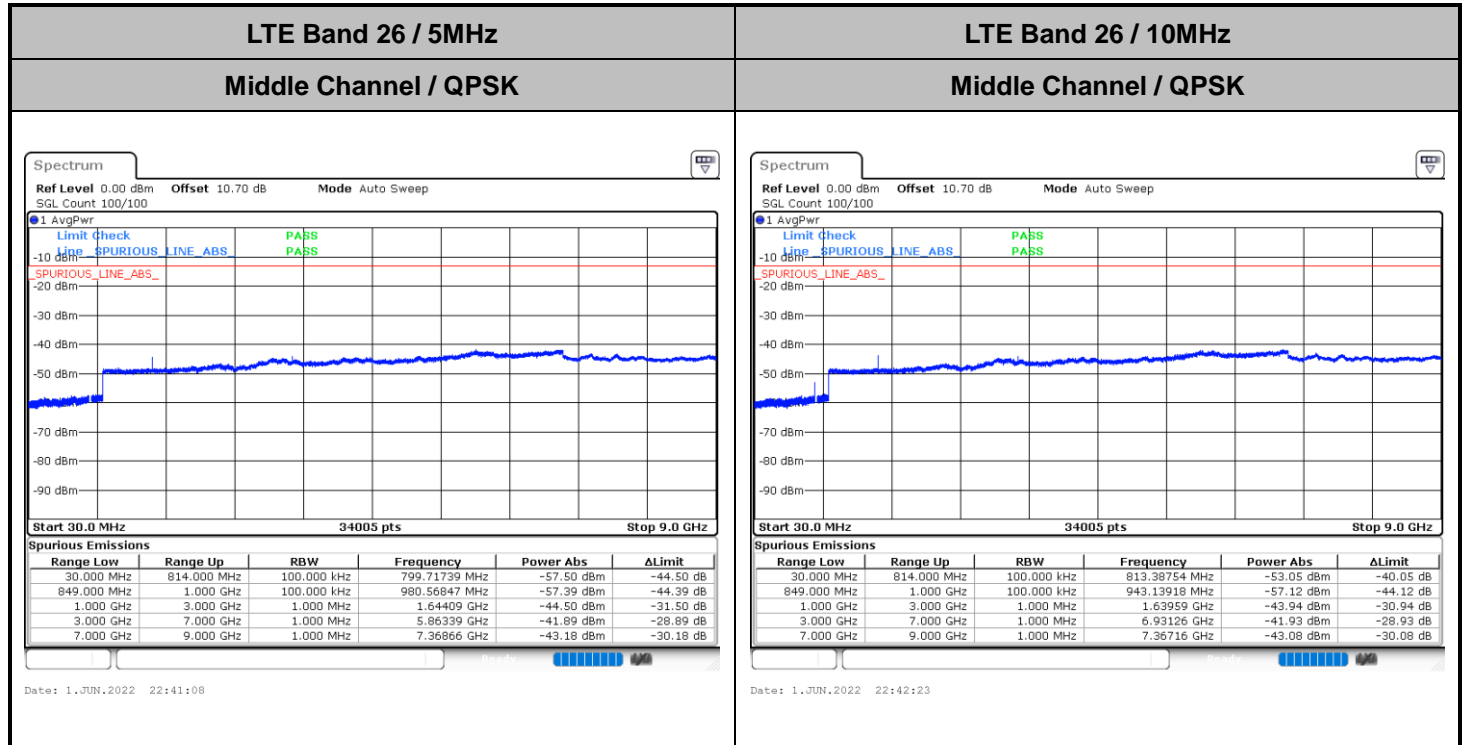
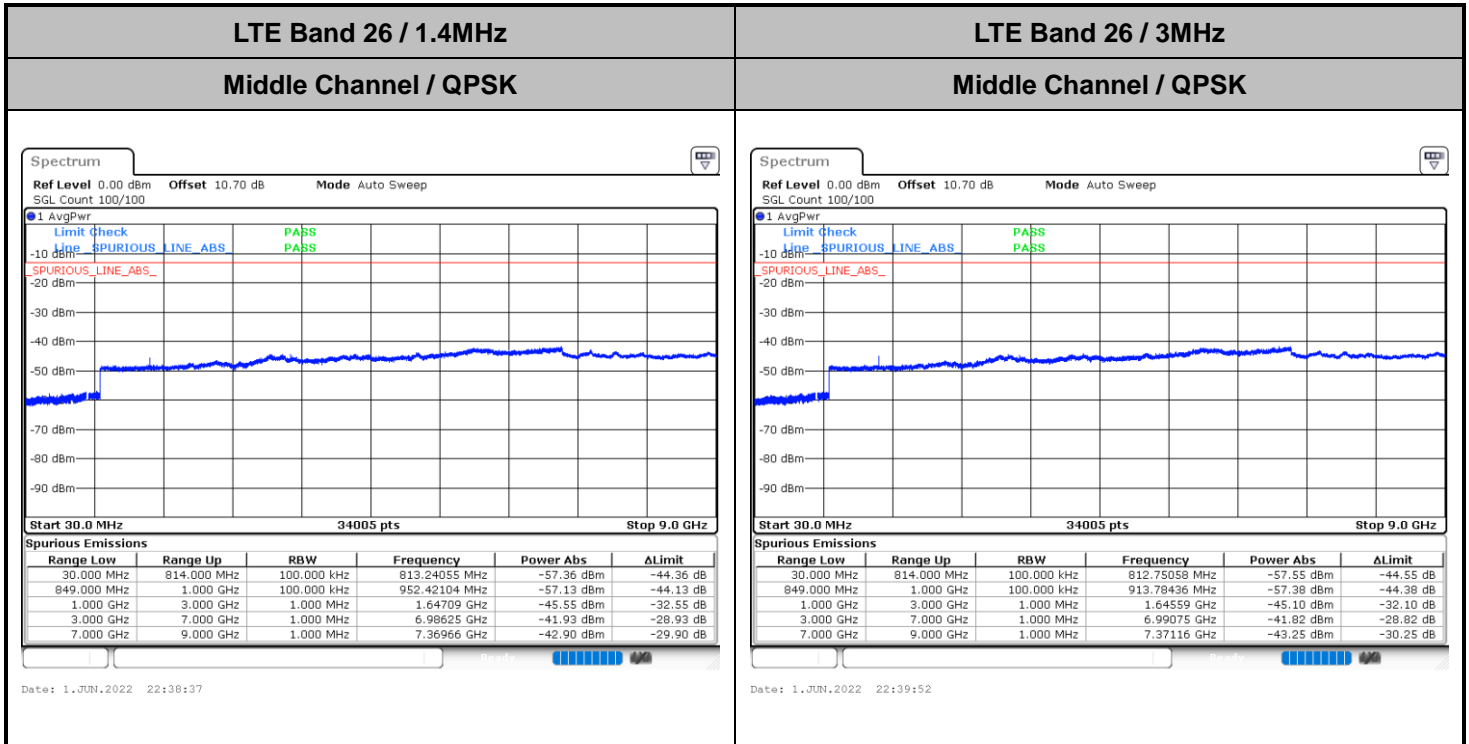


Date: 1.JUN.2022 22:34:17

N/A



Conducted Spurious Emission





Appendix B. Test Results of Radiated Test

LTE Band 26

LTE Band 26 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1632	-57.32	-13	-44.32	-68.92	-63.68	0.80	9.31	H
	2440	-53.35	-13	-40.35	-68.01	-60.36	1.04	10.20	H
	3256	-53.34	-13	-40.34	-70.99	-61.89	1.11	11.81	H
									H
									H
									H
	1632	-56.69	-13	-43.69	-68.18	-63.05	0.80	9.31	V
	2440	-55.21	-13	-42.21	-69.92	-62.22	1.04	10.20	V
	3256	-53.13	-13	-40.13	-71.06	-61.68	1.11	11.81	V
									V
									V
									V
Middle	1632	-57.45	-13	-44.45	-69.05	-63.81	0.80	9.31	H
	2451	-53.19	-13	-40.19	-67.86	-60.24	1.06	10.26	H
	3264	-53.37	-13	-40.37	-71.04	-61.97	1.11	11.85	H
									H
									H
									H
	1632	-56.73	-13	-43.73	-68.22	-63.09	0.80	9.31	V
	2451	-54.79	-13	-41.79	-69.51	-61.84	1.06	10.26	V
	3264	-52.98	-13	-39.98	-70.93	-61.58	1.11	11.85	V
									V
									V
									V



Highest	1640	-55.96	-13	-42.96	-67.57	-62.34	0.81	9.34	H
	2458	-52.49	-13	-39.49	-67.16	-59.57	1.06	10.29	H
	3280	-52.98	-13	-39.98	-70.65	-61.66	1.11	11.94	H
									H
									H
									H
	1640	-57.58	-13	-44.58	-69.1	-63.96	0.81	9.34	V
	2458	-54.92	-13	-41.92	-69.63	-62.00	1.06	10.29	V
	3280	-52.78	-13	-39.78	-70.74	-61.46	1.11	11.94	V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 26 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1632	-57.07	-13	-44.07	-68.67	-63.43	0.80	9.31	H
	2443	-54.75	-13	-41.75	-69.41	-61.77	1.05	10.22	H
	3256	-53.35	-13	-40.35	-71	-61.90	1.11	11.81	H
									H
									H
									H
	1632	-56.71	-13	-43.71	-68.2	-63.07	0.80	9.31	V
	2443	-55.59	-13	-42.59	-70.3	-62.61	1.05	10.22	V
	3256	-53.38	-13	-40.38	-71.32	-61.93	1.11	11.81	V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 26 / 15MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1632	-56.69	-13	-43.69	-68.29	-63.05	0.80	9.31	H
	2448	-53.90	-13	-40.90	-68.57	-60.94	1.05	10.24	H
	3256	-52.86	-13	-39.86	-70.51	-61.41	1.11	11.81	H
									H
									H
									H
	1632	-56.35	-13	-43.35	-67.84	-62.71	0.80	9.31	V
	2448	-55.37	-13	-42.37	-70.09	-62.41	1.05	10.24	V
	3256	-52.96	-13	-39.96	-70.9	-61.51	1.11	11.81	V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.