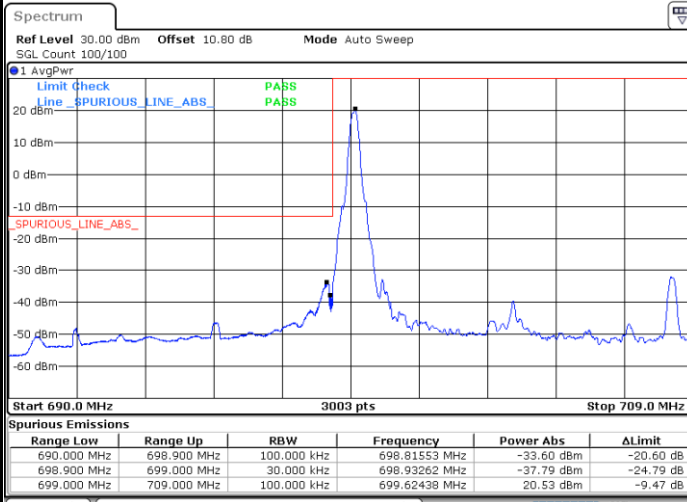




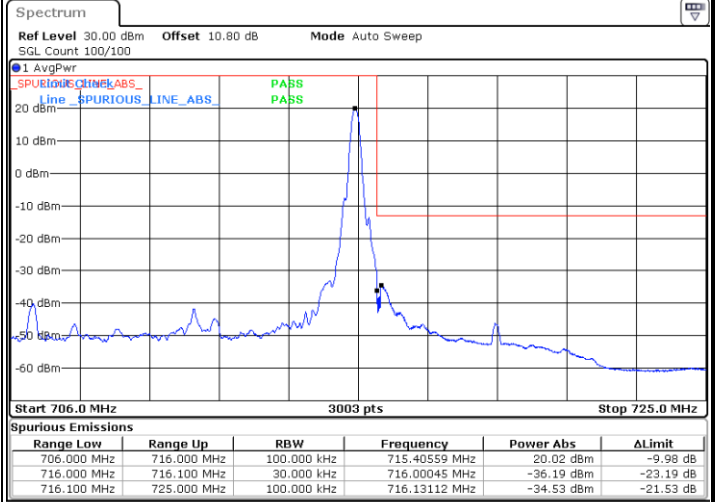
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



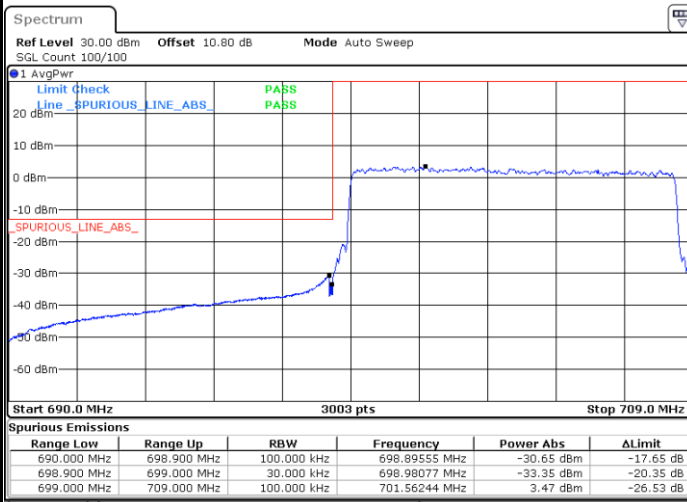
Date: 22.OCT.2022 07:29:30

Highest Band Edge / 1 RB



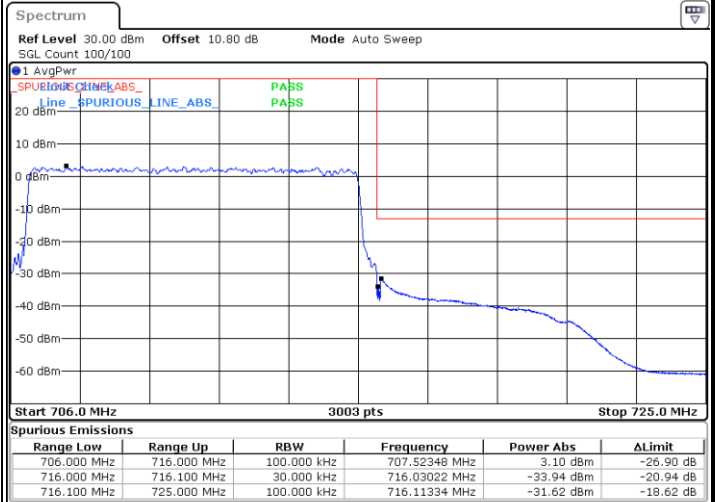
Date: 22.OCT.2022 07:32:24

Lowest Band Edge / Full RB



Date: 22.OCT.2022 07:28:23

Highest Band Edge / Full RB

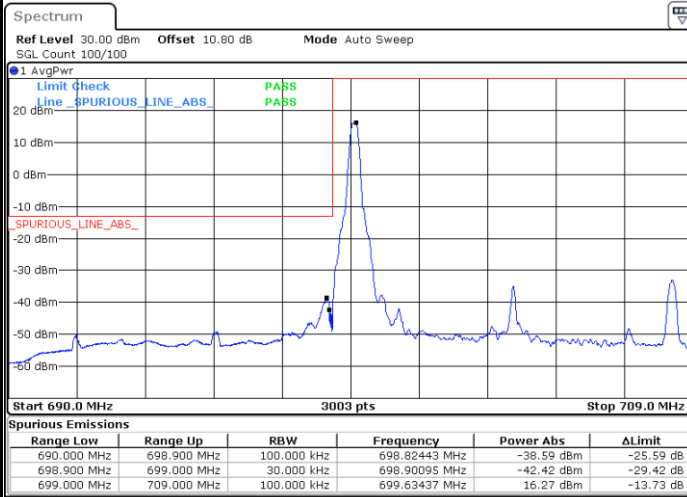


Date: 22.OCT.2022 07:31:17



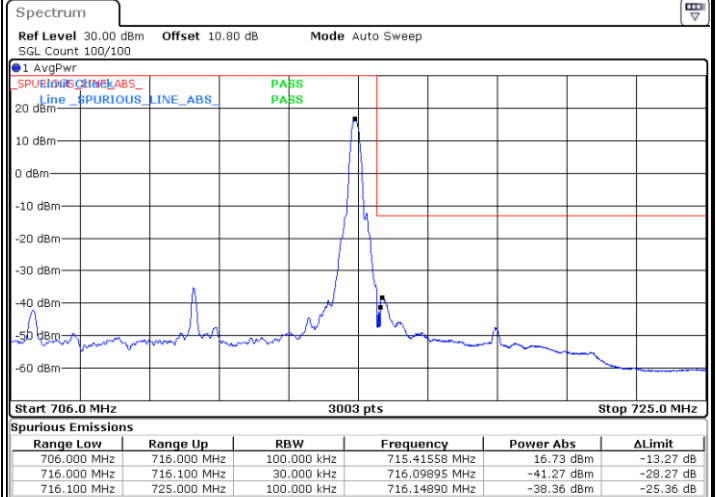
LTE Band 12 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



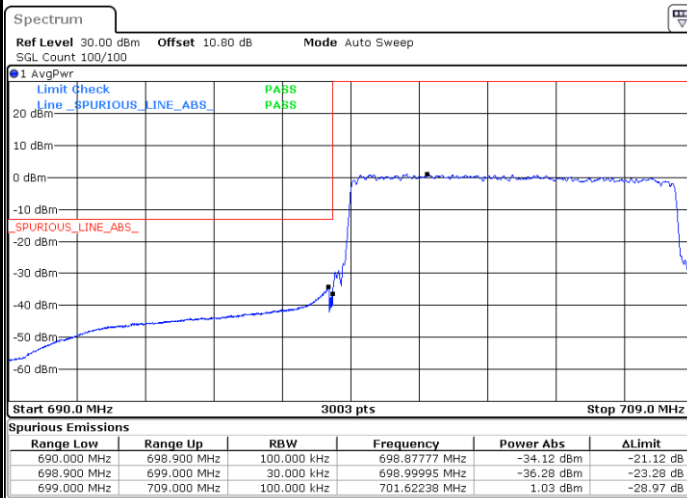
Date: 22.OCT.2022 09:20:50

Highest Band Edge / 1 RB



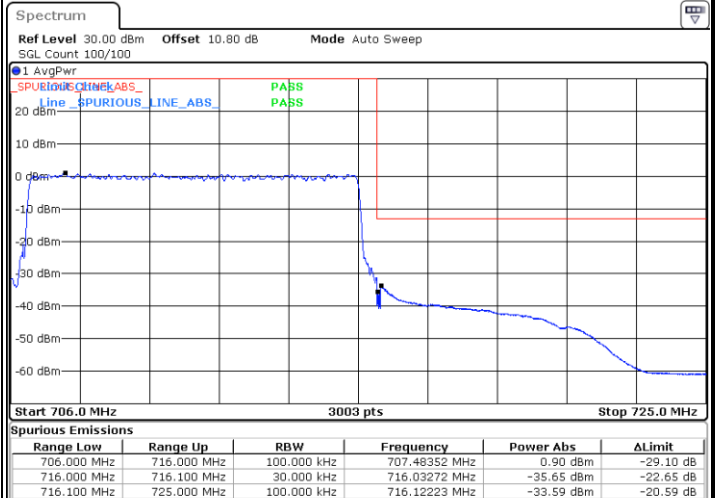
Date: 22.OCT.2022 09:23:45

Lowest Band Edge / Full RB



Date: 22.OCT.2022 09:19:43

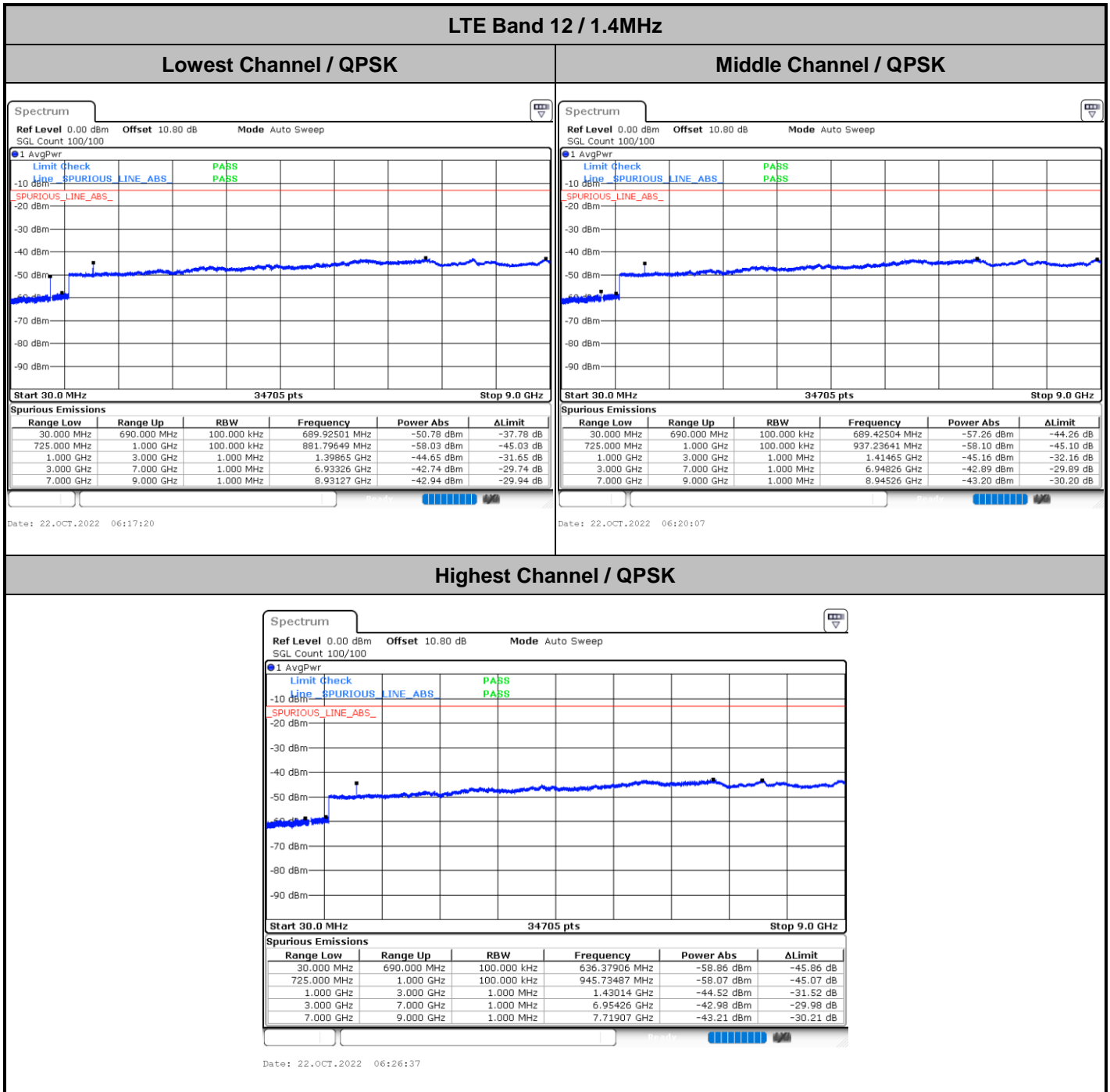
Highest Band Edge / Full RB



Date: 22.OCT.2022 09:22:37



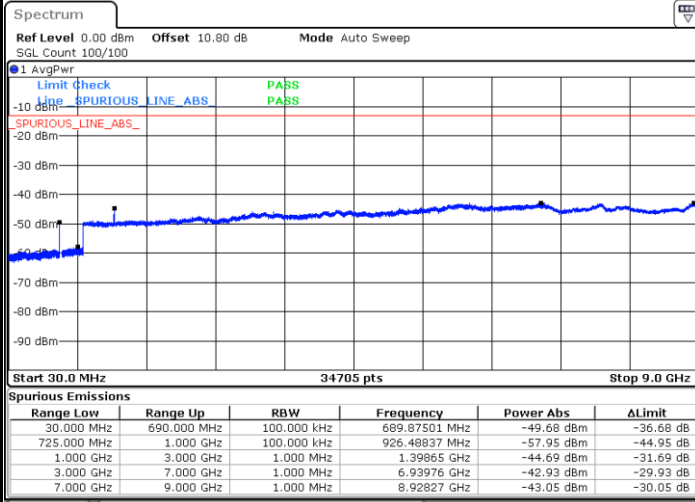
Conducted Spurious Emission





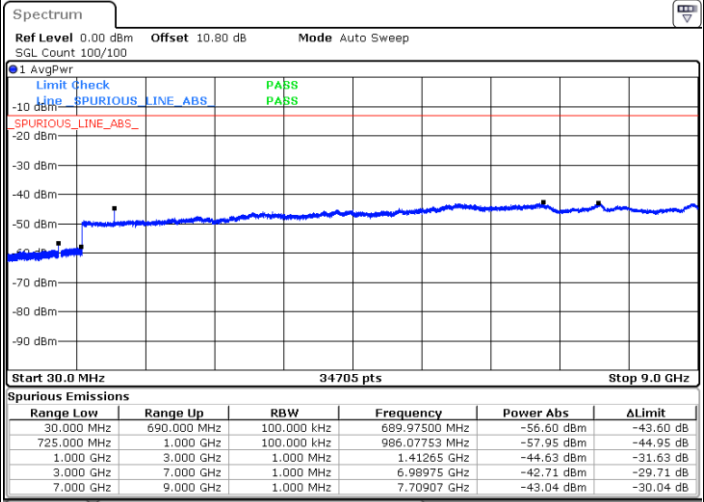
LTE Band 12 / 3MHz

Lowest Channel / QPSK



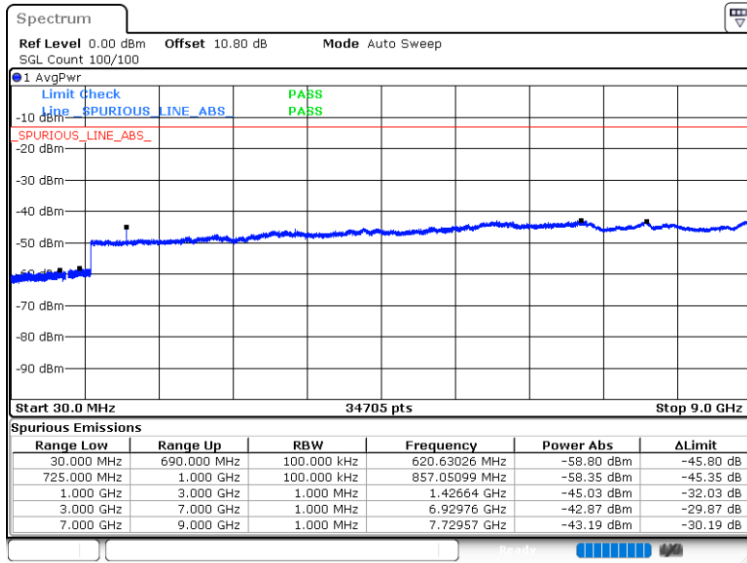
Date: 22.OCT.2022 06:38:49

Middle Channel / QPSK



Date: 22.OCT.2022 06:41:36

Highest Channel / QPSK



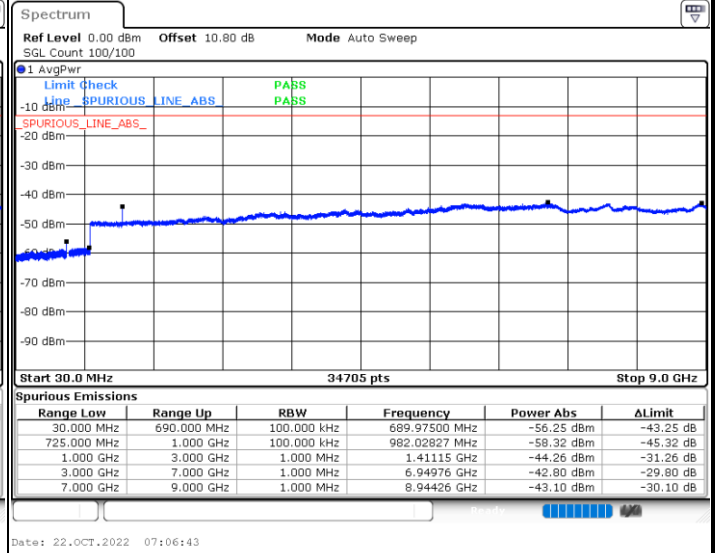
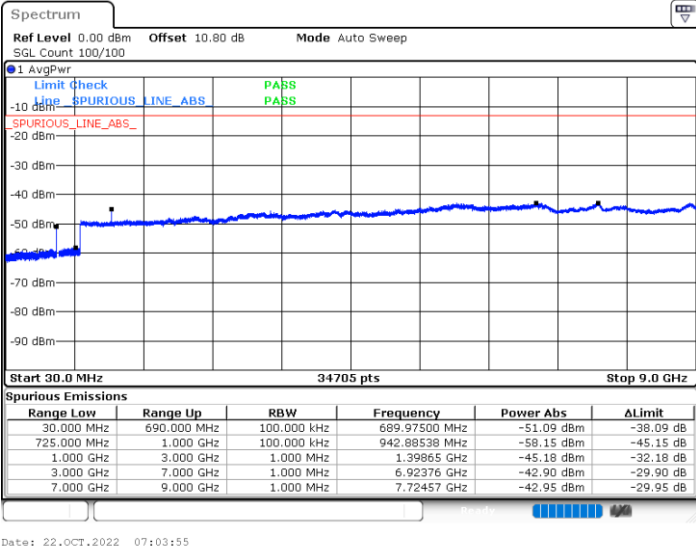
Date: 22.OCT.2022 06:47:20



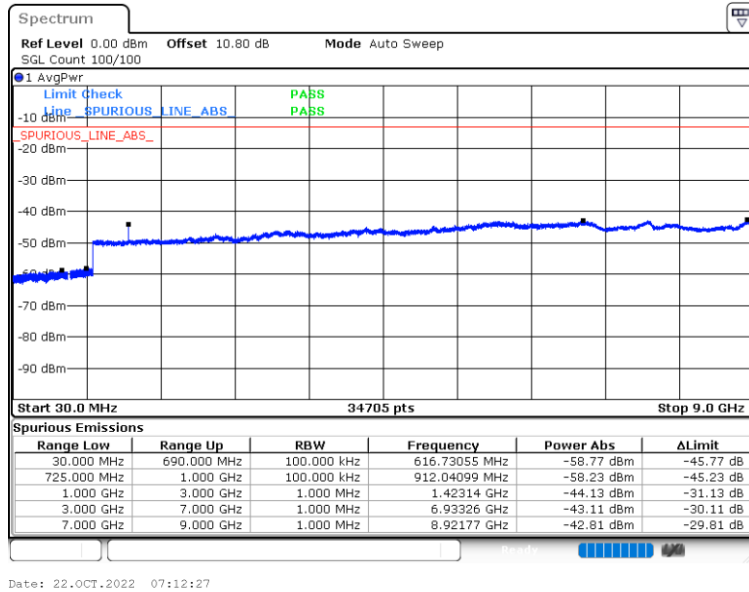
LTE Band 12 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

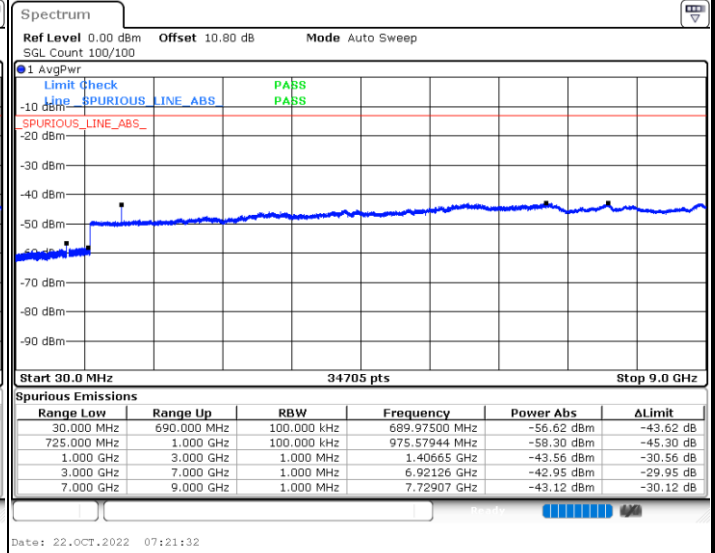
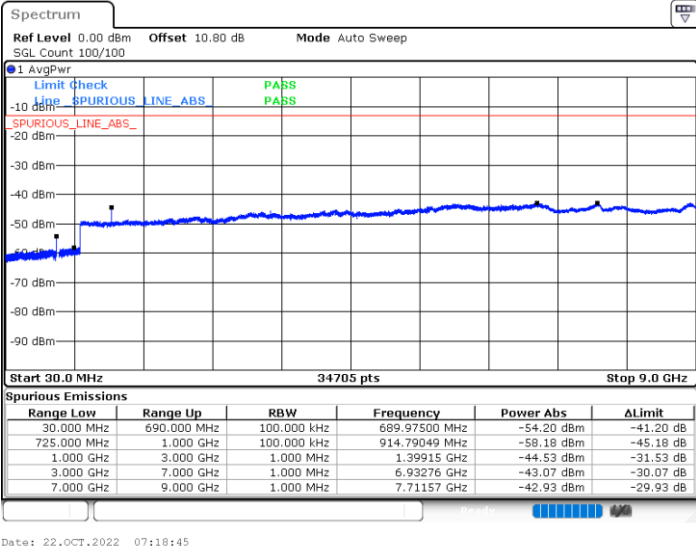




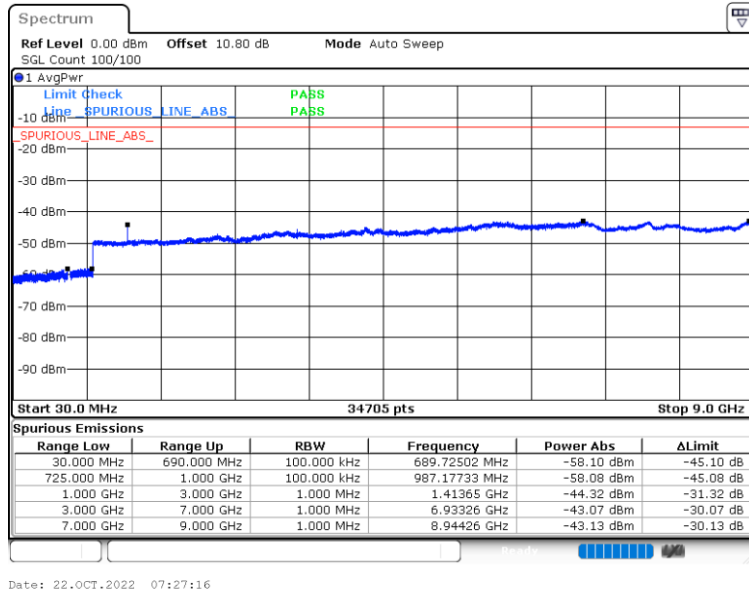
LTE Band 12 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0061	PASS
40	Normal Voltage	0.0045	
30	Normal Voltage	0.0055	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0120	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0059	
-30	Normal Voltage	0.0127	
20	Maximum Voltage	0.0100	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0066	

Note:

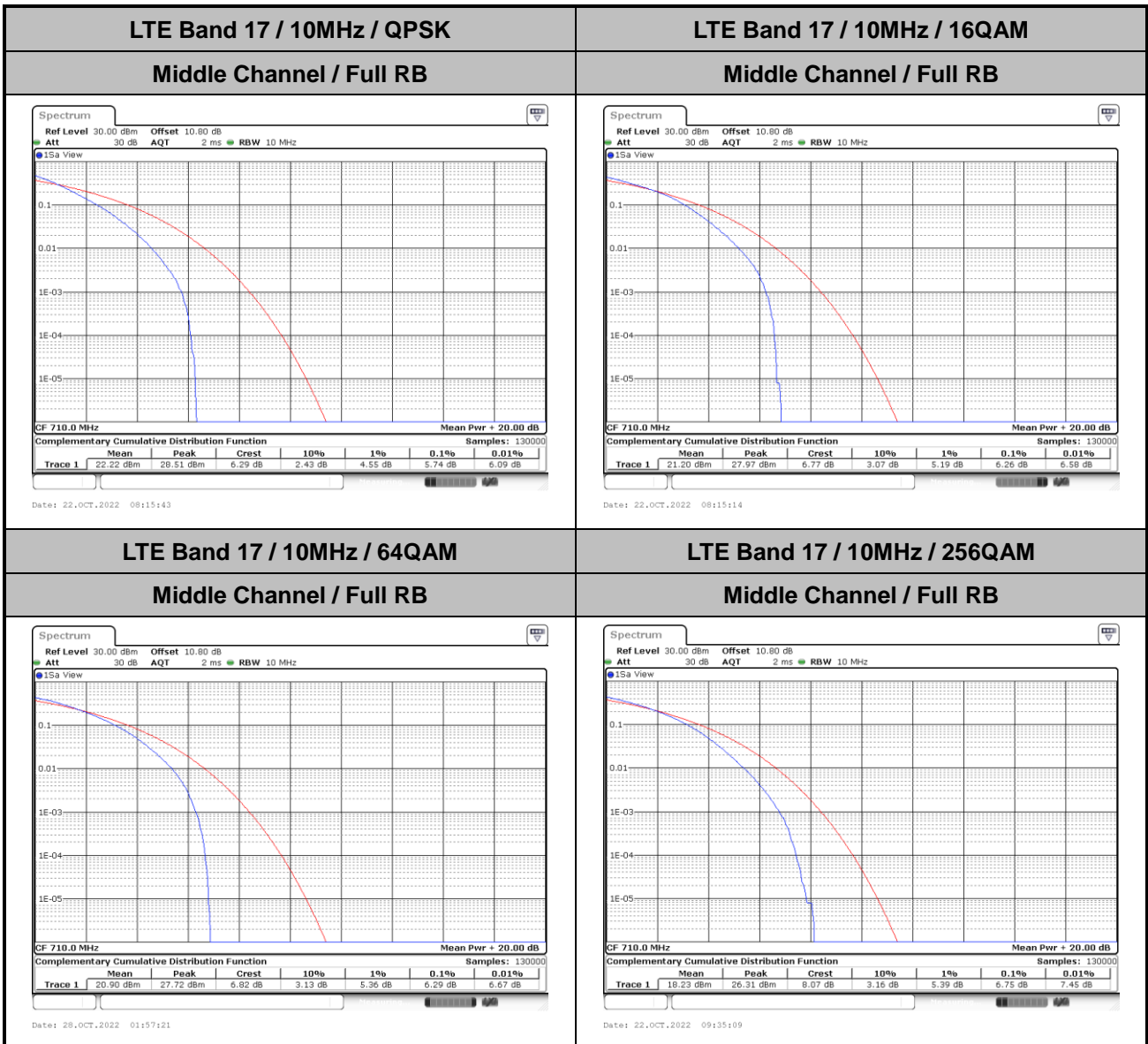
1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 17

Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.74	6.26	6.29	6.75	PASS





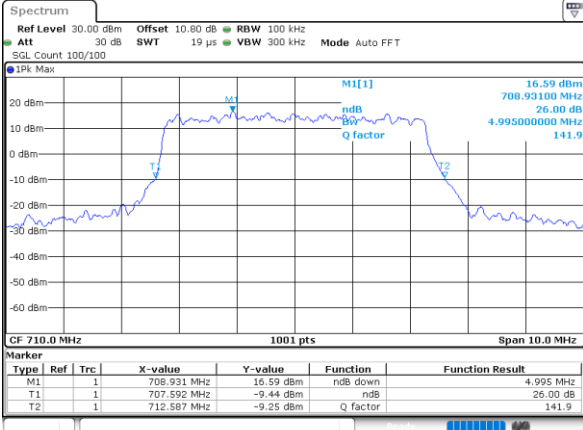
26dB Bandwidth

Mode	LTE Band 17 : 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	-	-	-	-	5.00	4.94	9.95	10.21	-	-	-	-
Mode	LTE Band 17 : 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	5.13	10.23	10.11	-	-	-	-



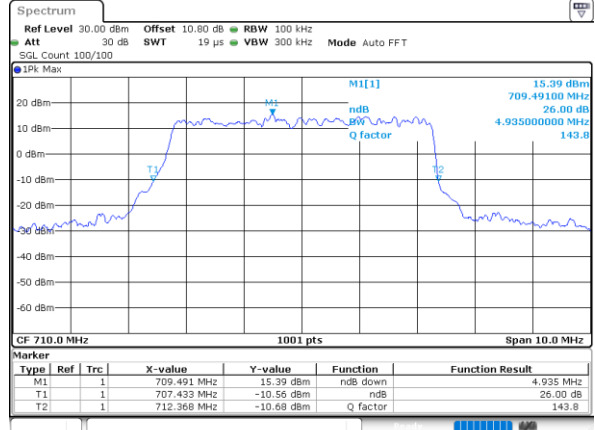
LTE Band 17

Middle Channel / 5MHz / QPSK



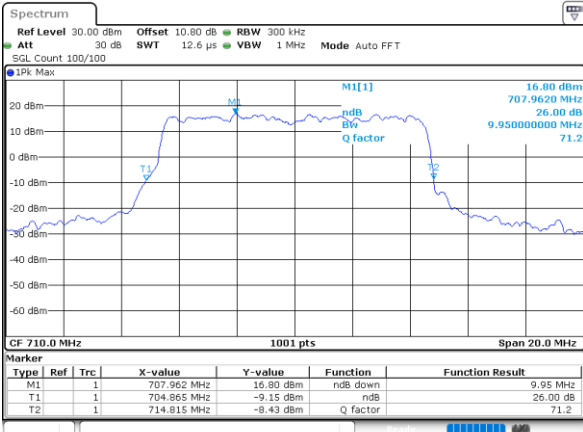
Date: 22.OCT.2022 07:41:42

Middle Channel / 5MHz / 16QAM



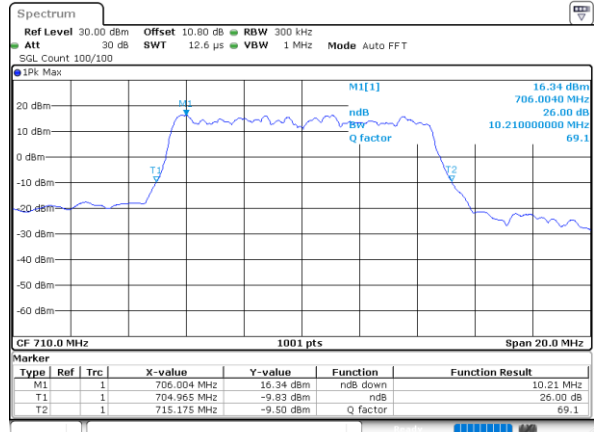
Date: 22.OCT.2022 07:42:08

Middle Channel / 10MHz / QPSK



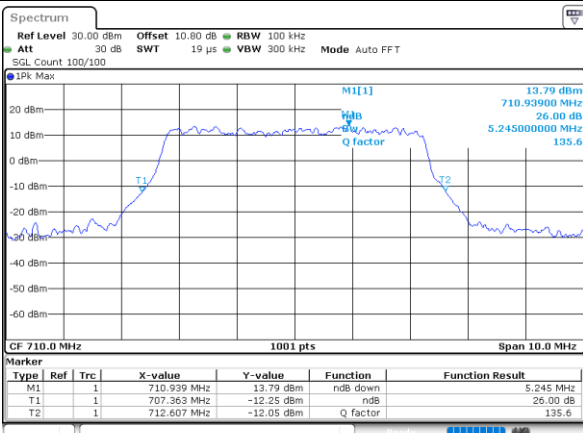
Date: 22.OCT.2022 07:56:57

Middle Channel / 10MHz / 16QAM



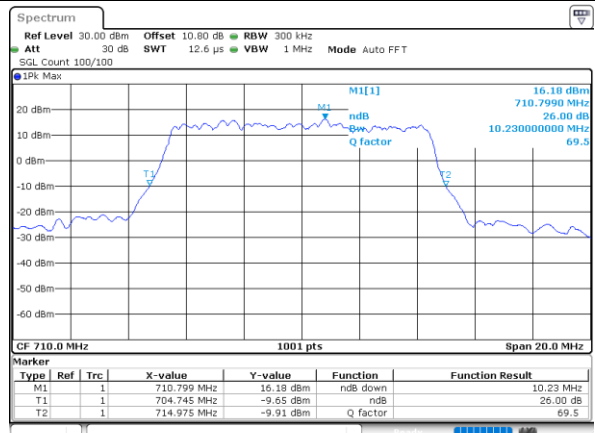
Date: 22.OCT.2022 07:57:23

Middle Channel / 5MHz / 64QAM



Date: 22.OCT.2022 08:07:21

Middle Channel / 10MHz / 64QAM



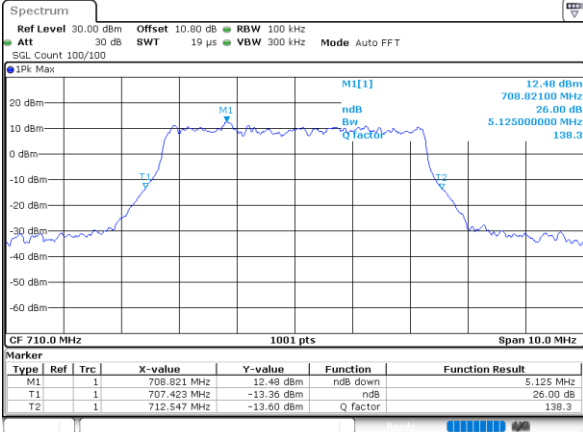
Date: 22.OCT.2022 08:12:32



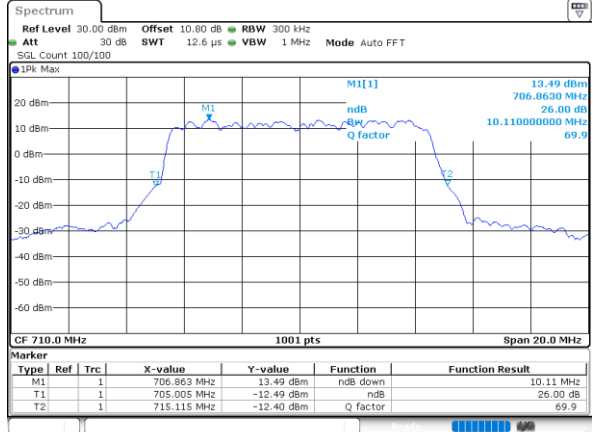
LTE Band 17

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



Date: 22.OCT.2022 09:27:15



Date: 22.OCT.2022 09:32:27



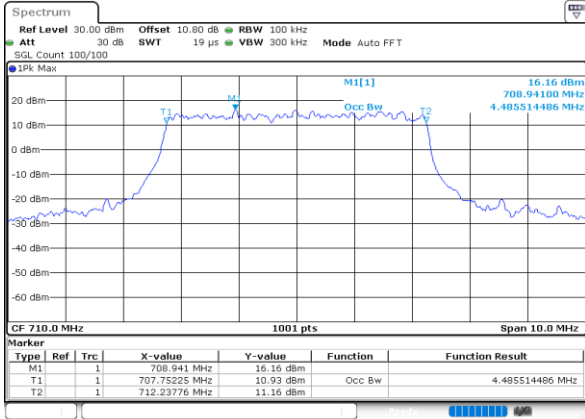
Occupied Bandwidth

Mode	LTE Band 17 : 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	-	-	-	-	4.49	4.51	9.09	8.99	-	-	-	-
Mode	LTE Band 17 : 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	-	-	-	-	4.52	4.50	9.07	9.03	-	-	-	-



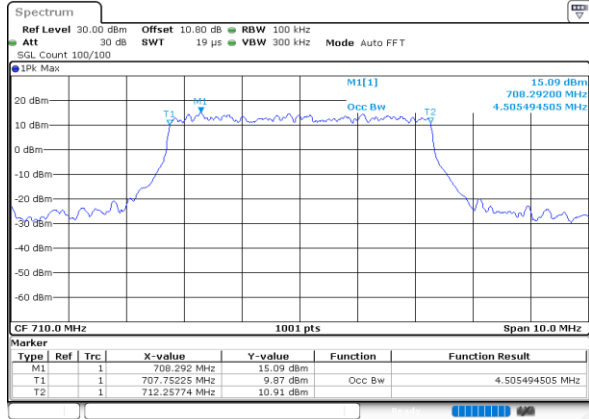
LTE Band 17

Middle Channel / 5MHz / QPSK



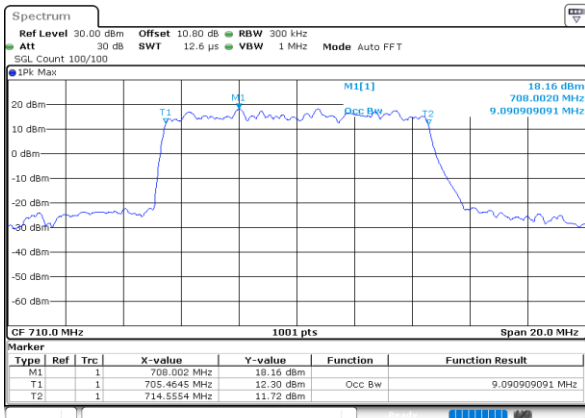
Date: 22.OCT.2022 07:40:50

Middle Channel / 5MHz / 16QAM



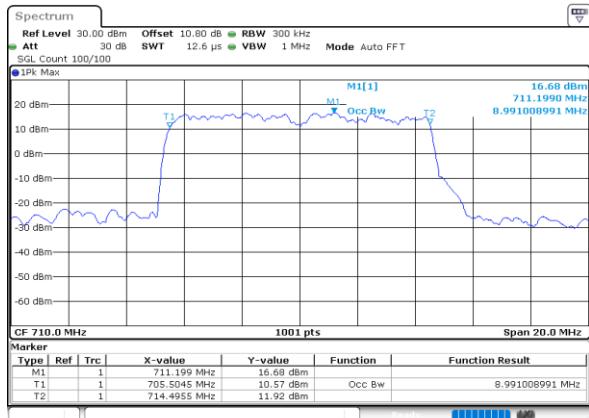
Date: 22.OCT.2022 07:41:16

Middle Channel / 10MHz / QPSK



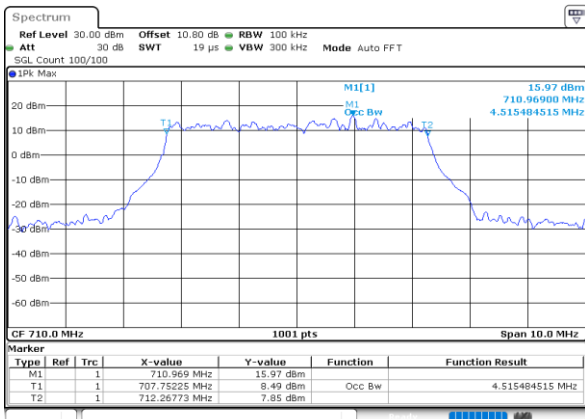
Date: 22.OCT.2022 07:56:05

Middle Channel / 10MHz / 16QAM



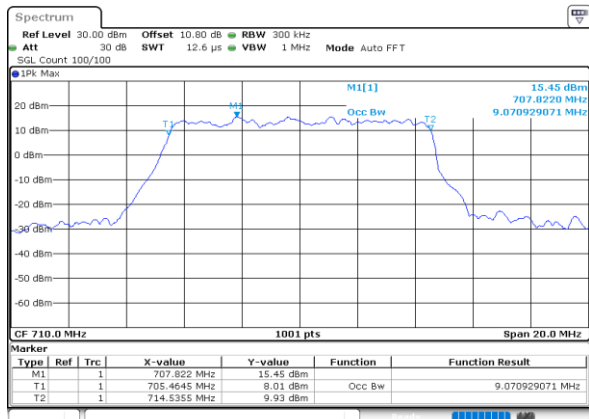
Date: 22.OCT.2022 07:56:31

Middle Channel / 5MHz / 64QAM



Date: 22.OCT.2022 08:07:07

Middle Channel / 10MHz / 64QAM

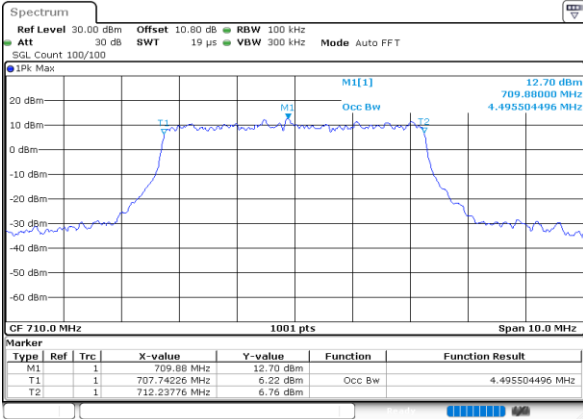


Date: 22.OCT.2022 08:12:18



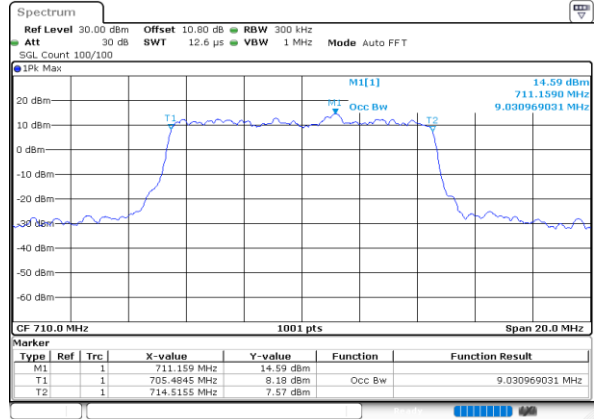
LTE Band 17

Middle Channel / 5MHz / 256QAM



Date: 22.OCT.2022 09:27:01

Middle Channel / 10MHz / 256QAM



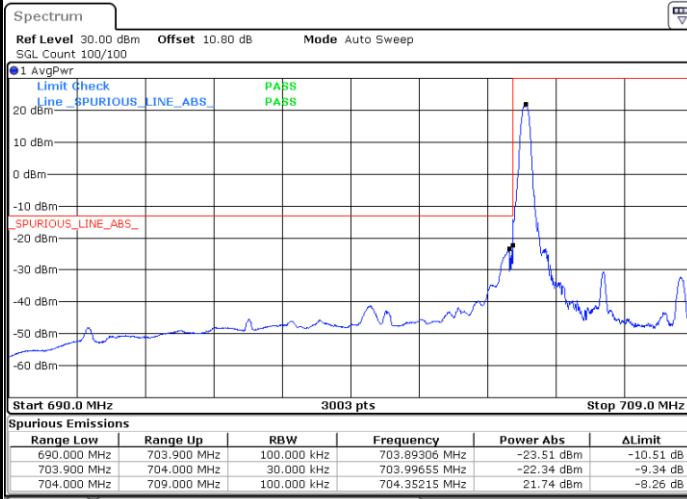
Date: 22.OCT.2022 09:32:13



Conducted Band Edge

LTE Band 17 / 5MHz / QPSK

Lowest Band Edge / 1 RB



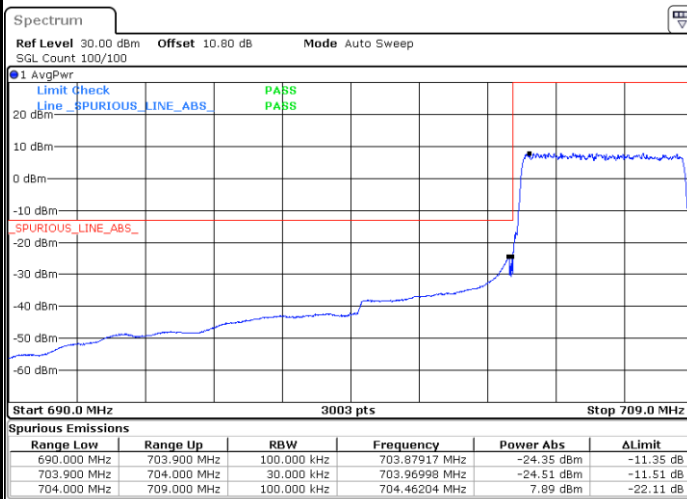
Date: 22.OCT.2022 07:35:44

Highest Band Edge / 1 RB



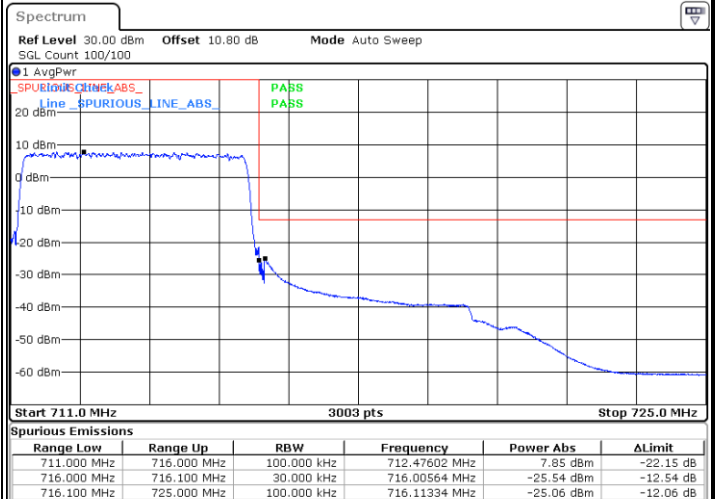
Date: 22.OCT.2022 07:44:28

Lowest Band Edge / Full RB



Date: 22.OCT.2022 07:37:59

Highest Band Edge / Full RB

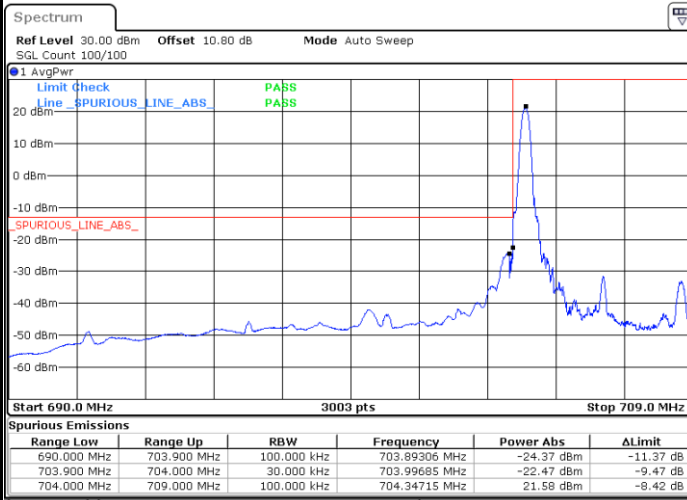


Date: 22.OCT.2022 07:46:44



LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



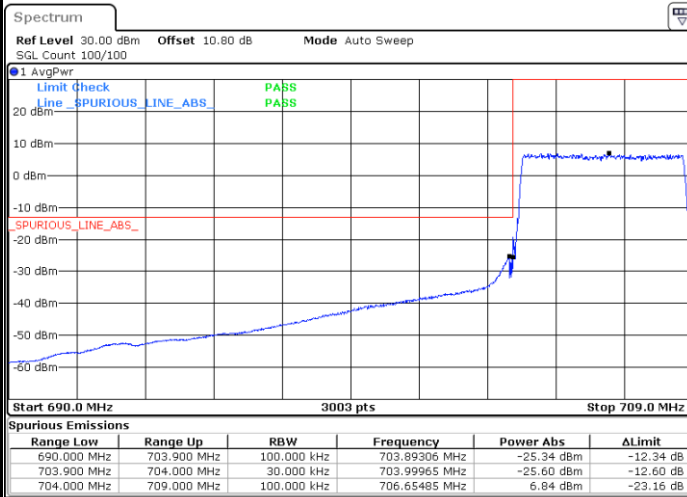
Date: 22.OCT.2022 07:36:51

Highest Band Edge / 1 RB



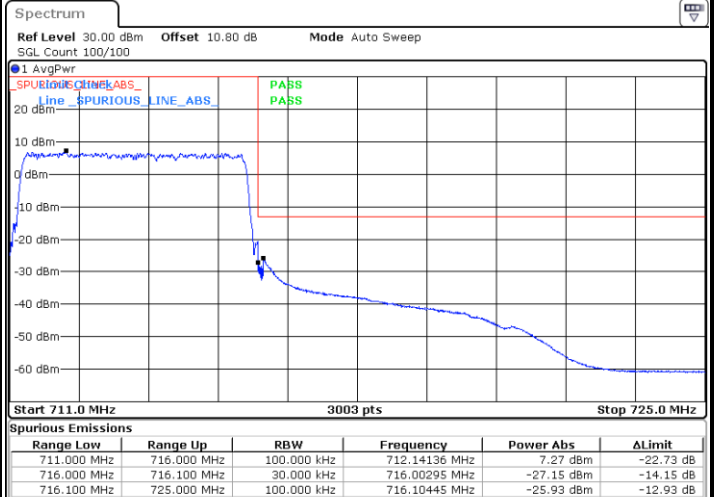
Date: 22.OCT.2022 07:45:36

Lowest Band Edge / Full RB



Date: 22.OCT.2022 07:39:06

Highest Band Edge / Full RB

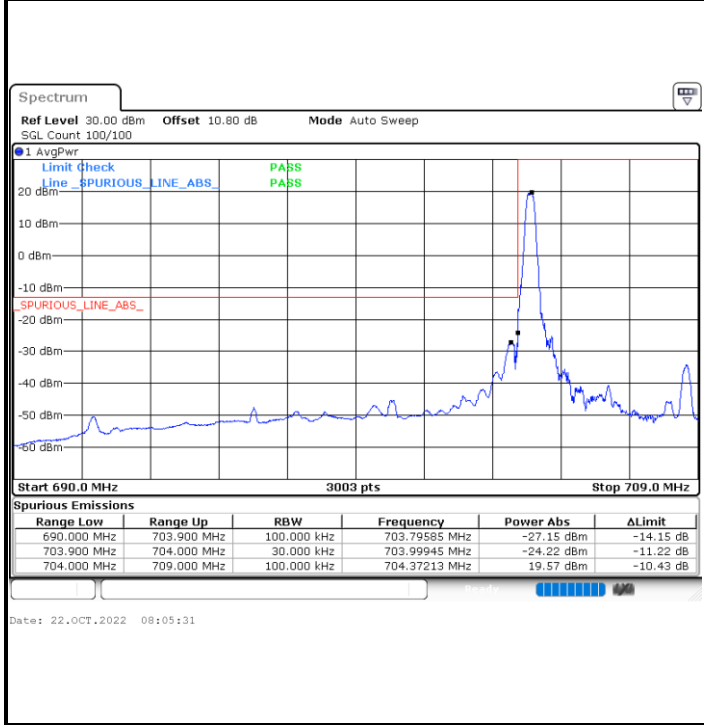


Date: 22.OCT.2022 07:47:51

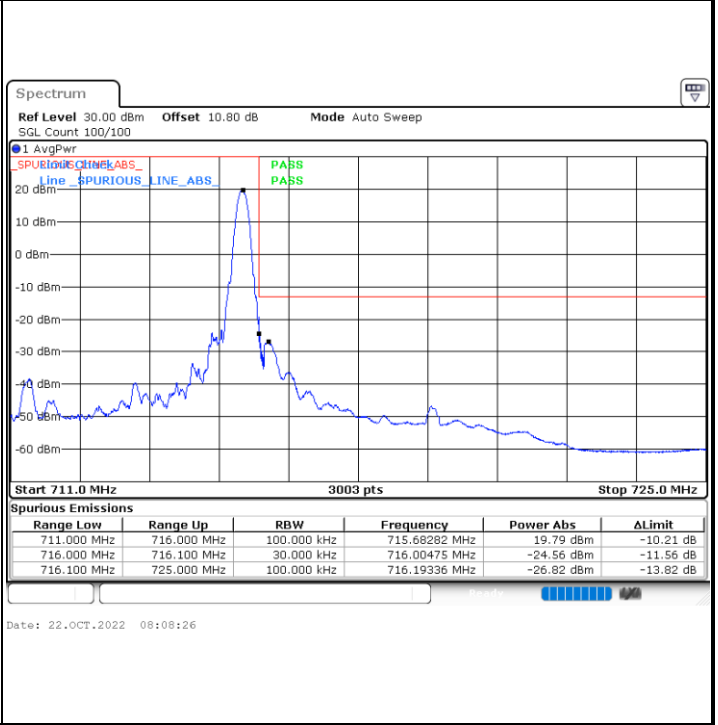


LTE Band 17 / 5MHz / 64QAM

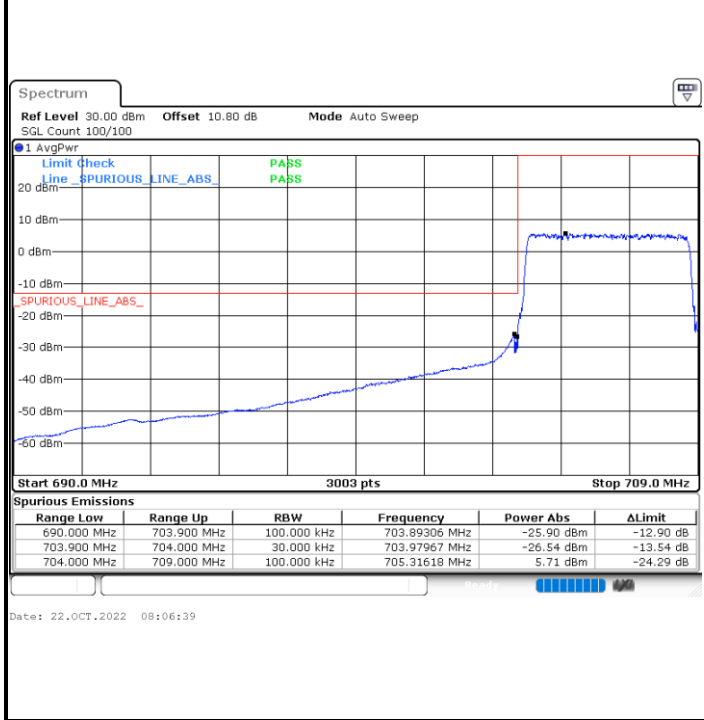
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



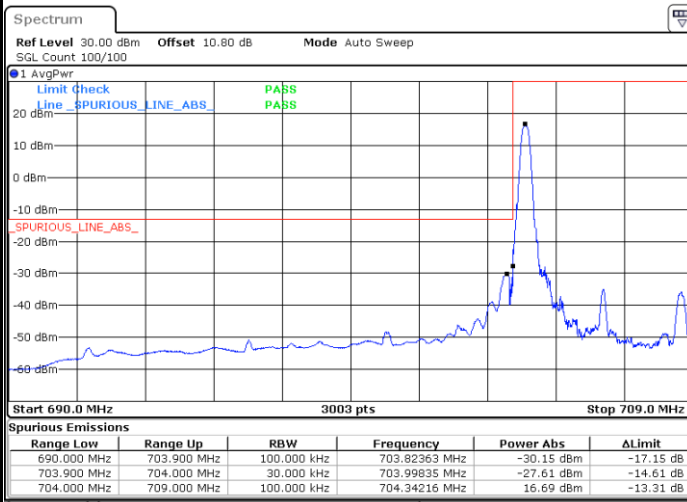
Highest Band Edge / Full RB





LTE Band 17 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



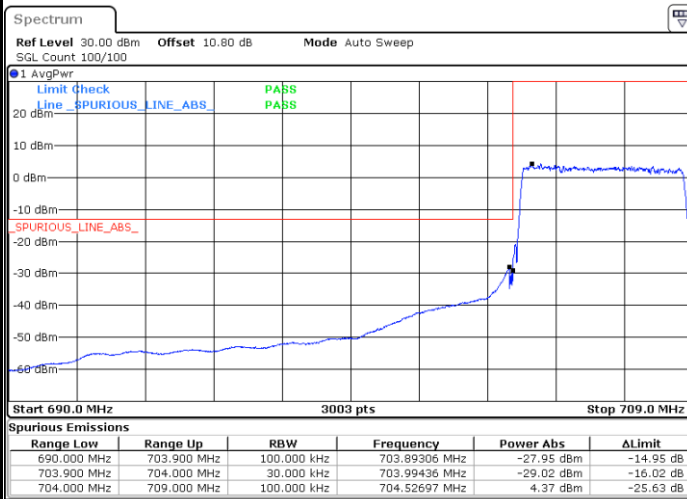
Date: 22.OCT.2022 09:25:25

Highest Band Edge / 1 RB



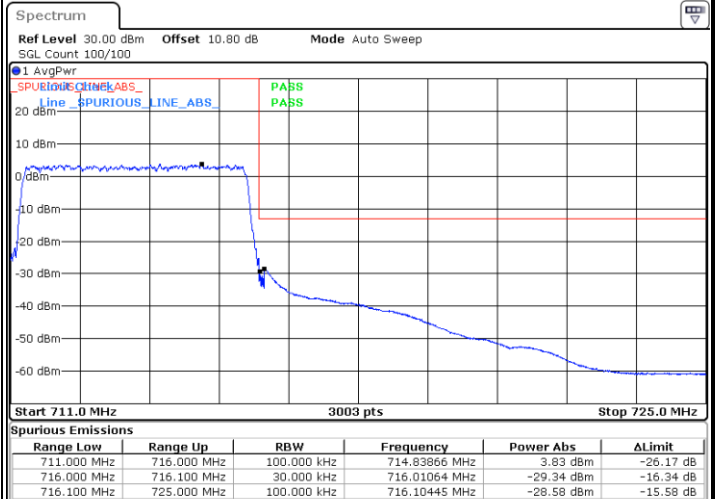
Date: 22.OCT.2022 09:28:20

Lowest Band Edge / Full RB



Date: 22.OCT.2022 09:26:33

Highest Band Edge / Full RB

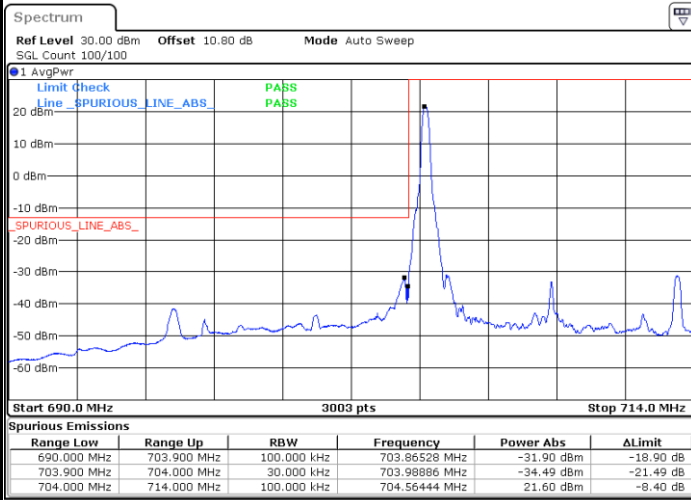


Date: 22.OCT.2022 09:29:28



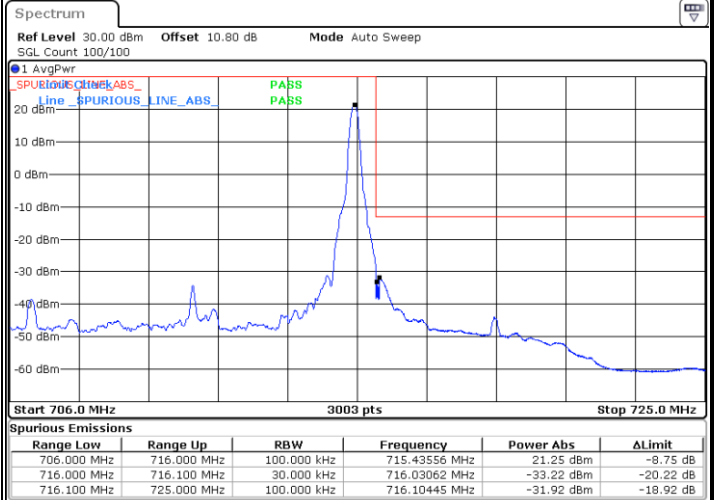
LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / 1 RB



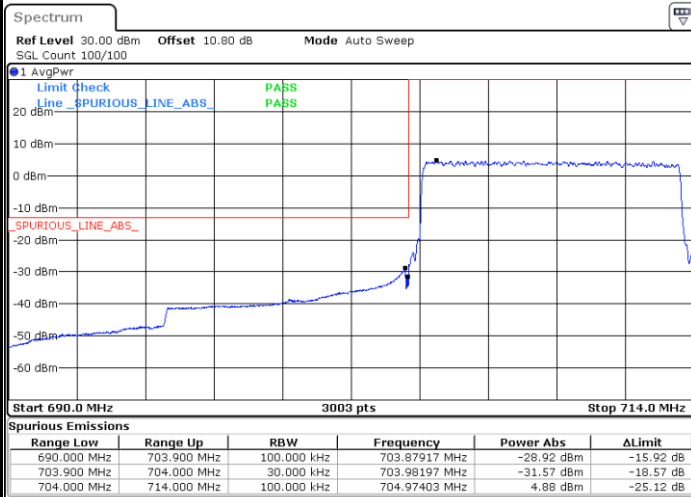
Date: 22.OCT.2022 07:51:00

Highest Band Edge / 1 RB



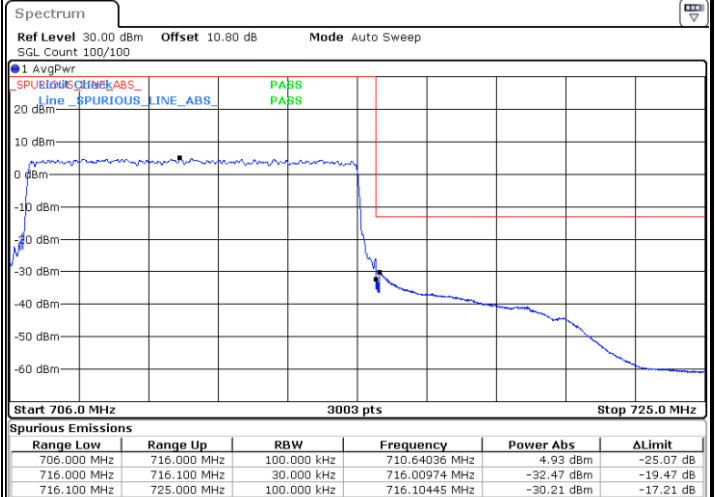
Date: 22.OCT.2022 07:59:44

Lowest Band Edge / Full RB



Date: 22.OCT.2022 07:53:14

Highest Band Edge / Full RB

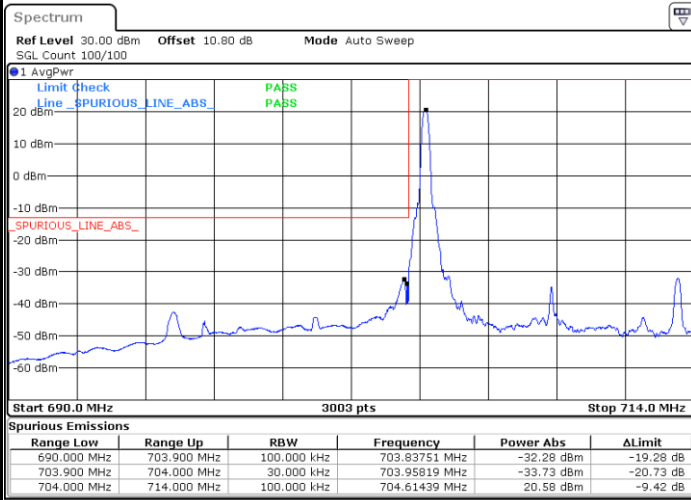


Date: 22.OCT.2022 08:01:59



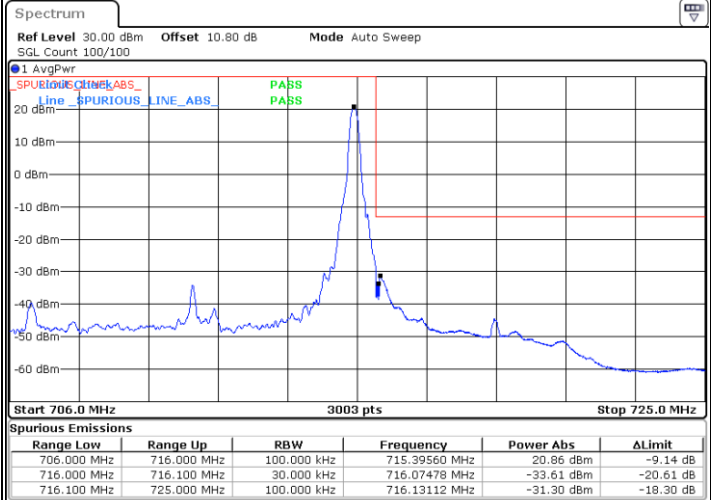
LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



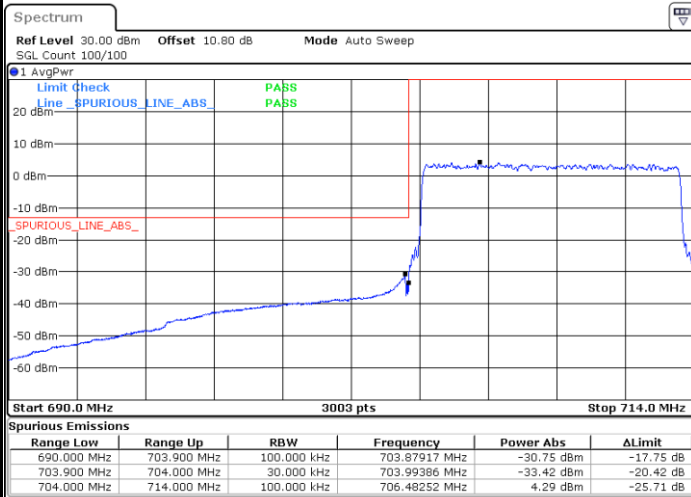
Date: 22.OCT.2022 07:52:07

Highest Band Edge / 1 RB



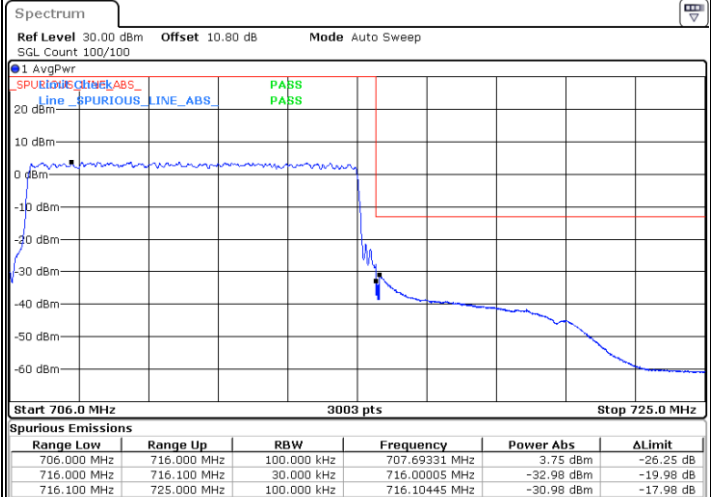
Date: 22.OCT.2022 08:00:51

Lowest Band Edge / Full RB



Date: 22.OCT.2022 07:54:22

Highest Band Edge / Full RB

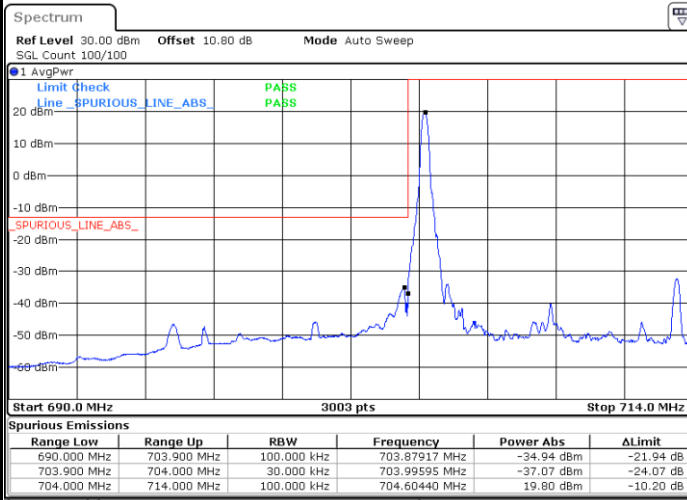


Date: 22.OCT.2022 08:03:06



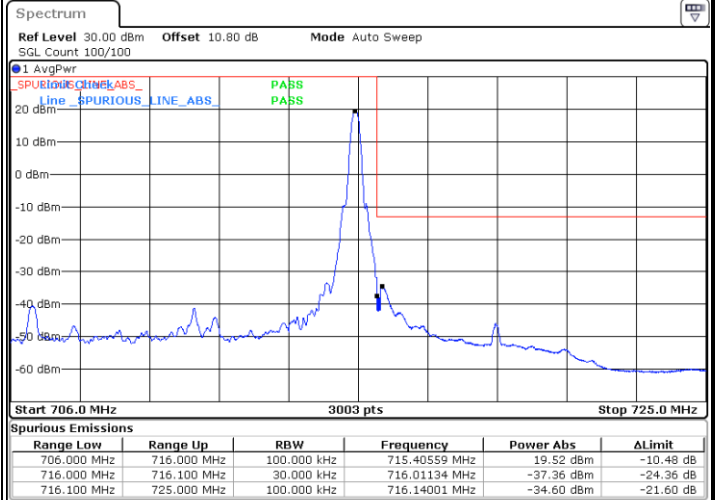
LTE Band 17 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



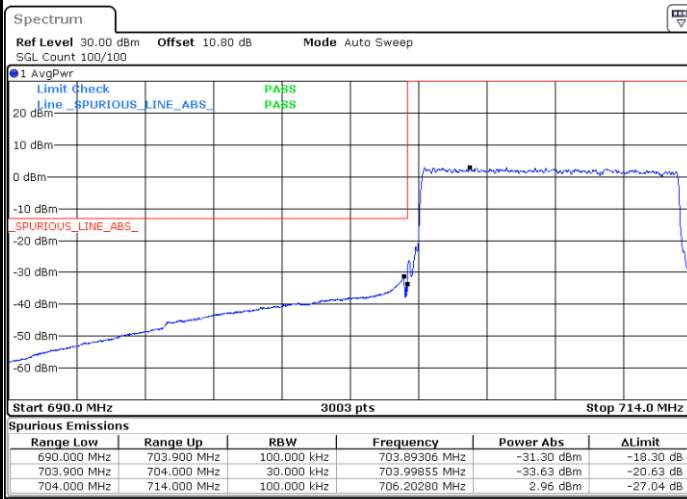
Date: 22.OCT.2022 08:10:43

Highest Band Edge / 1 RB



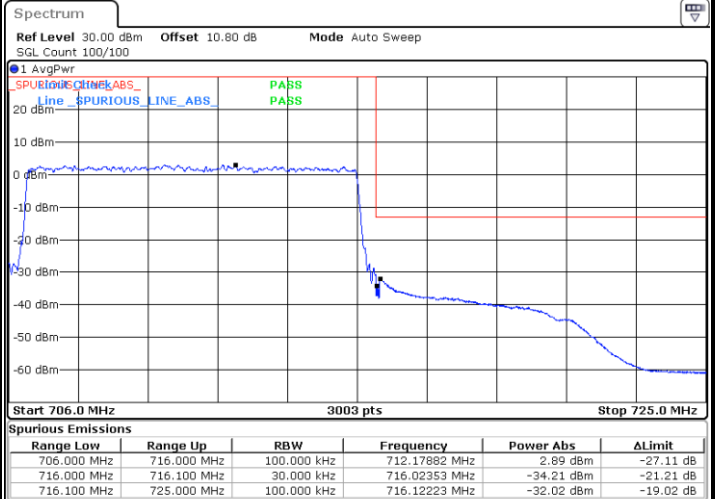
Date: 22.OCT.2022 08:13:38

Lowest Band Edge / Full RB



Date: 22.OCT.2022 08:11:51

Highest Band Edge / Full RB

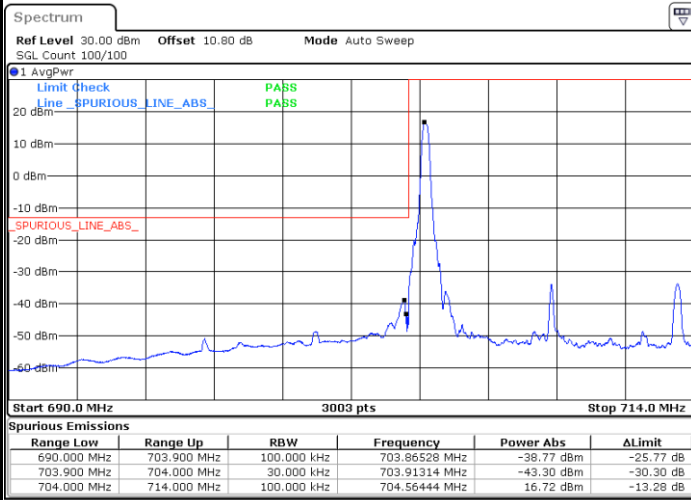


Date: 22.OCT.2022 08:14:45



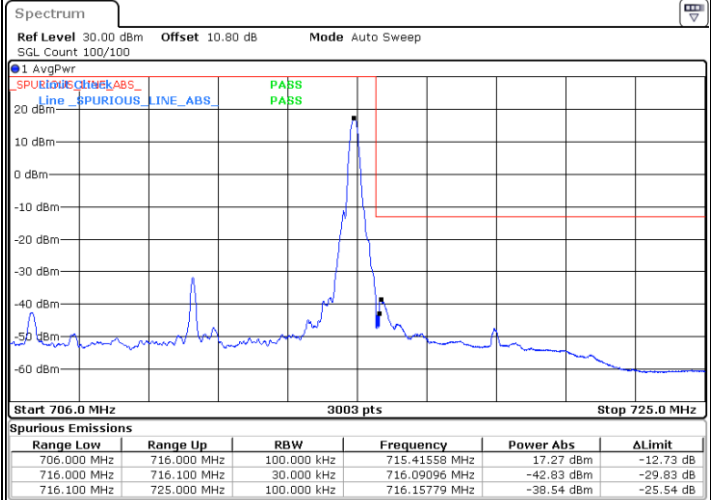
LTE Band 17 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



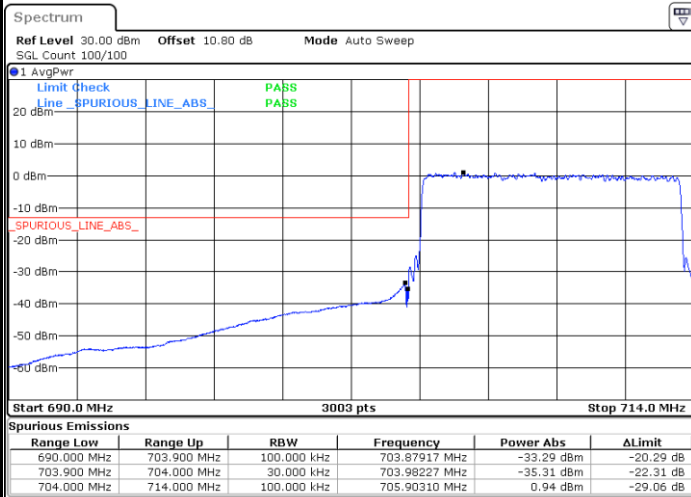
Date: 22.OCT.2022 09:30:37

Highest Band Edge / 1 RB



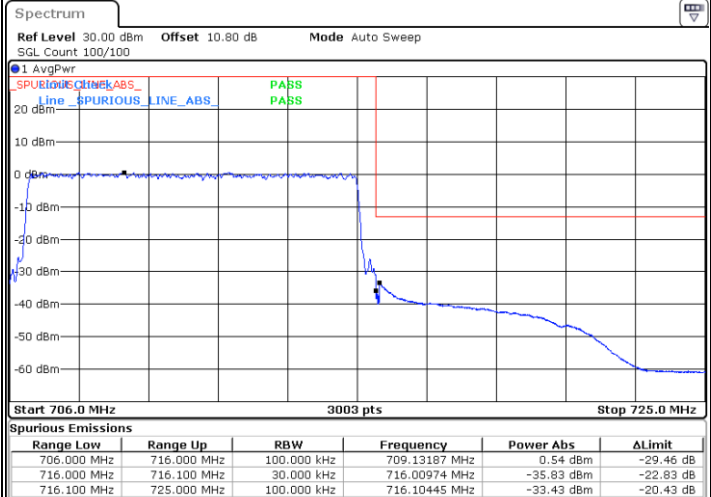
Date: 22.OCT.2022 09:33:32

Lowest Band Edge / Full RB



Date: 22.OCT.2022 09:31:45

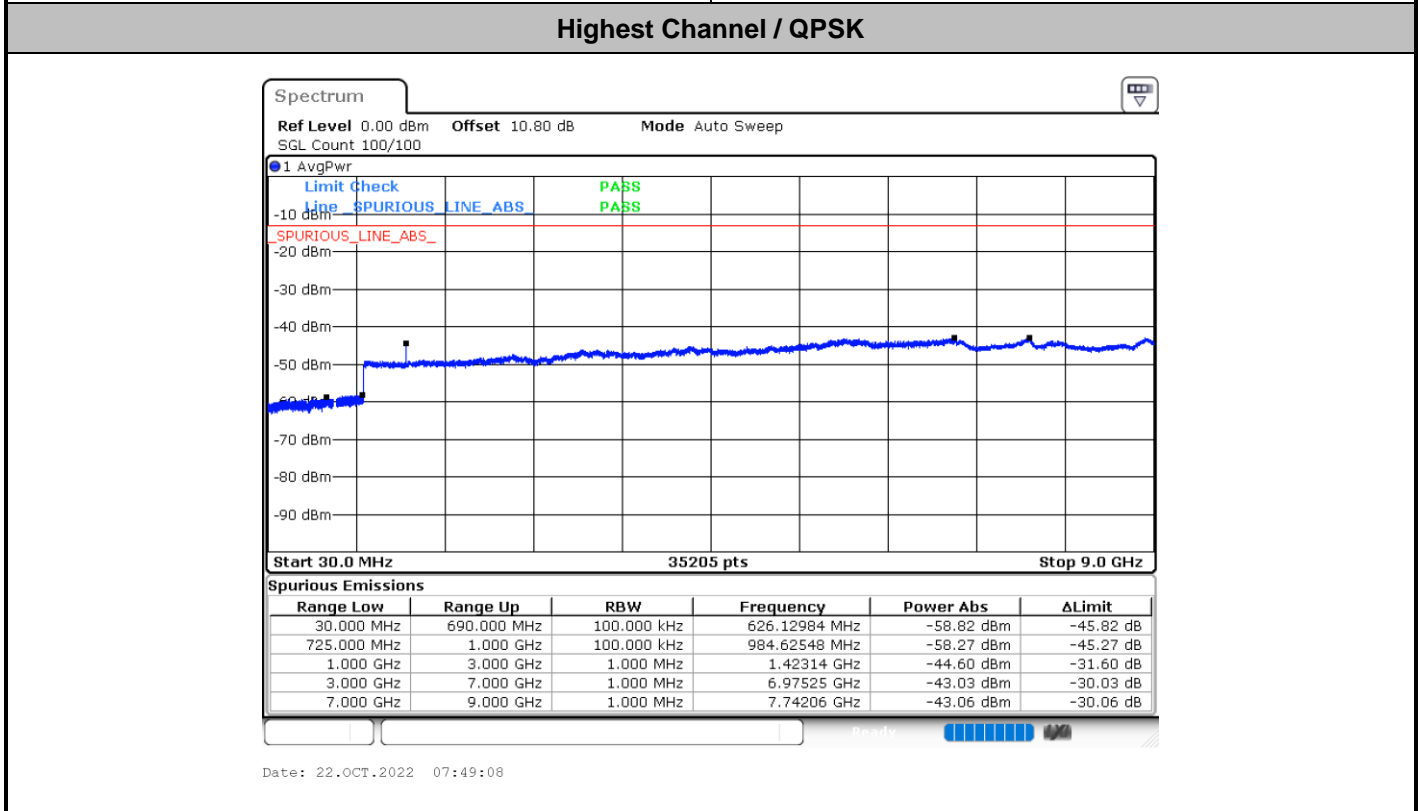
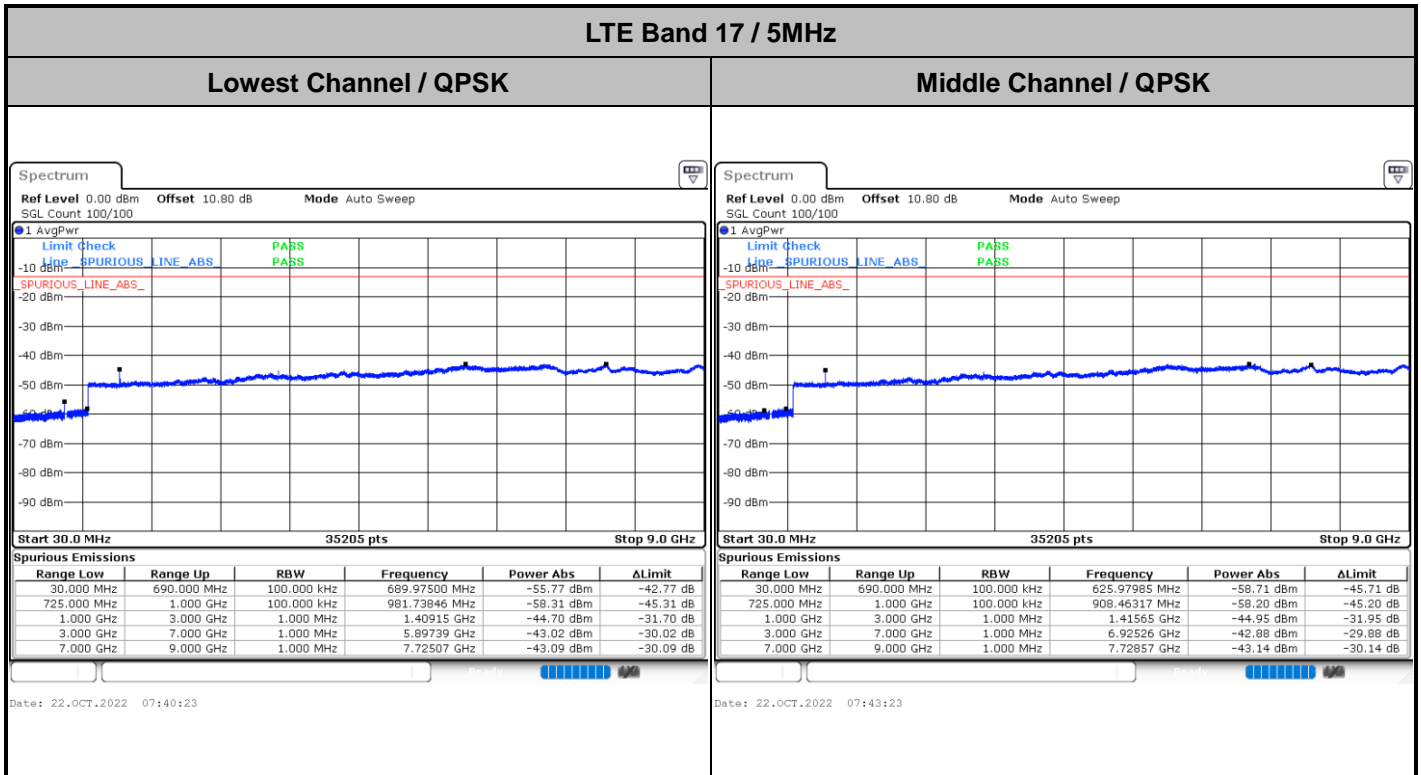
Highest Band Edge / Full RB



Date: 22.OCT.2022 09:34:40



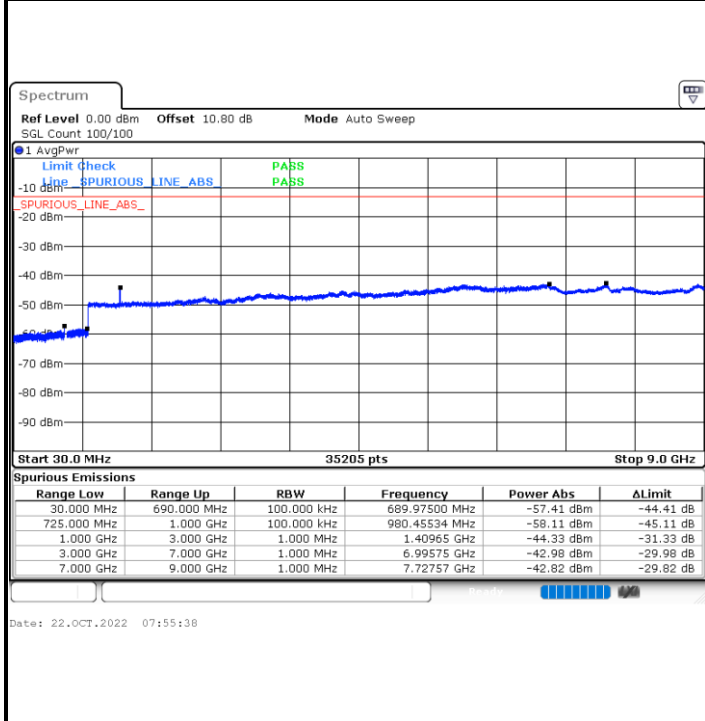
Conducted Spurious Emission



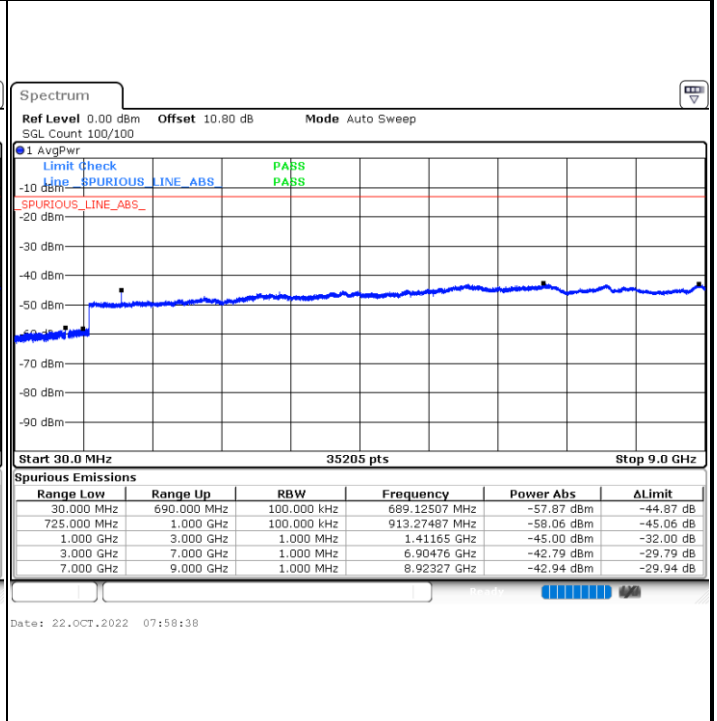


LTE Band 17 / 10MHz

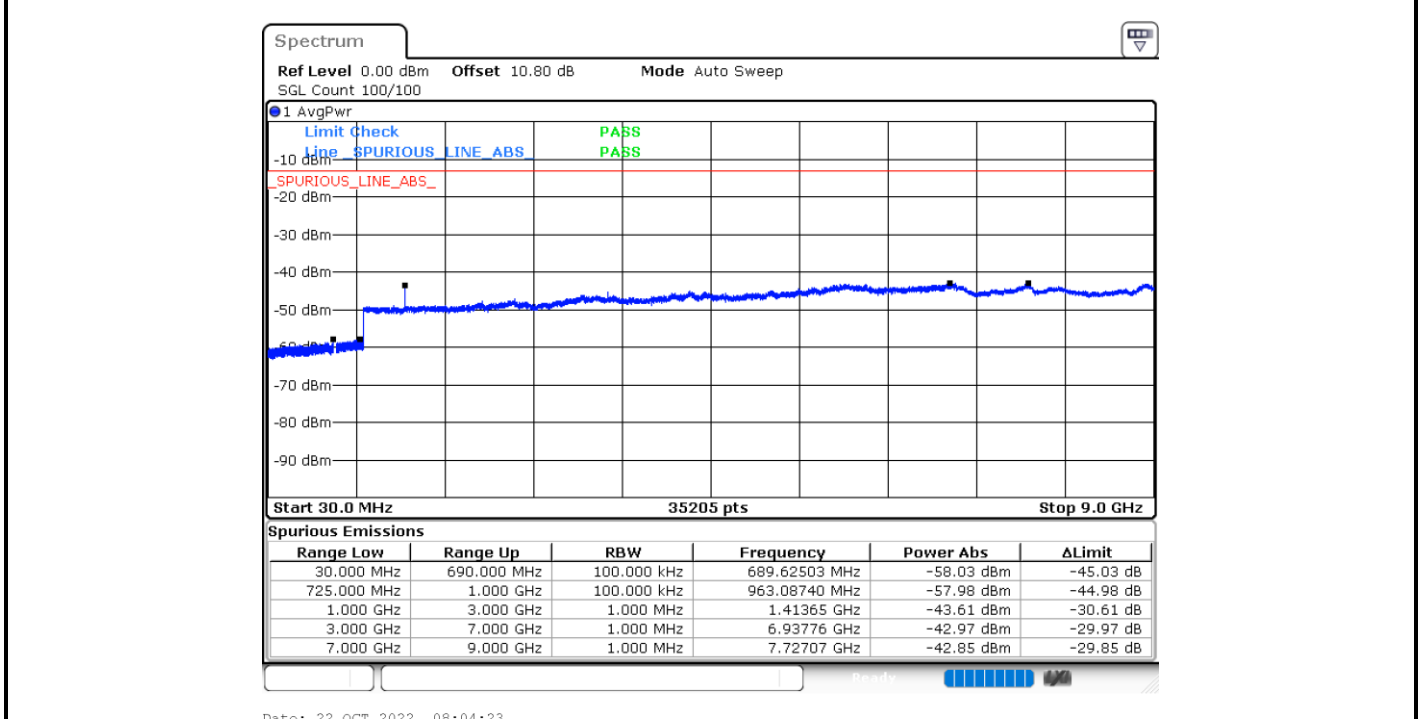
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0173	PASS
40	Normal Voltage	0.0124	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0041	
0	Normal Voltage	0.0189	
-10	Normal Voltage	0.0223	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0051	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0000	

Note:

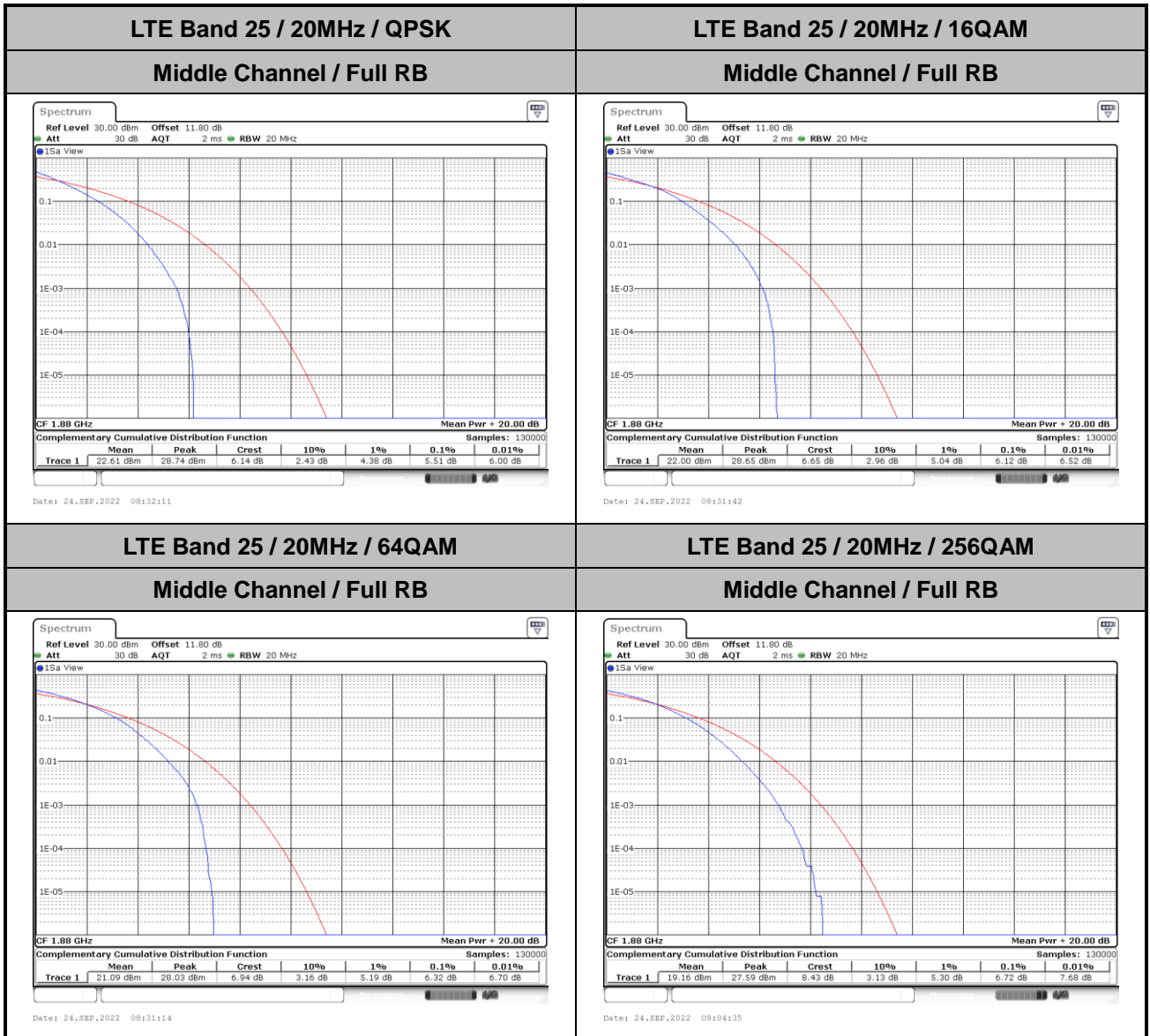
1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 25

Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.51	6.12	6.32	6.72	PASS





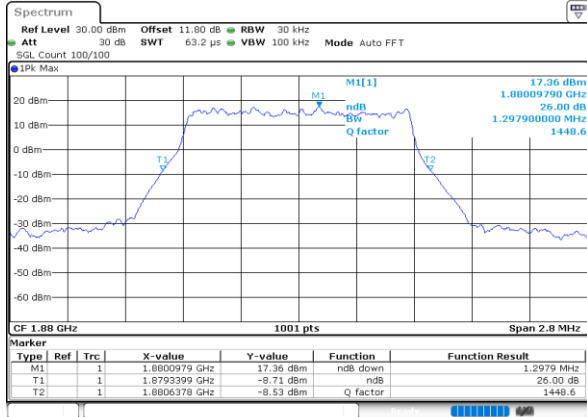
26dB Bandwidth

Mode	LTE Band 25 : 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	1.30	1.26	3.02	3.09	5.31	5.26	9.83	10.55	14.45	14.72	18.78	19.38
Mode	LTE Band 25 : 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	1.28	1.33	3.16	3.13	5.17	5.13	9.87	9.71	14.24	14.39	18.78	19.34



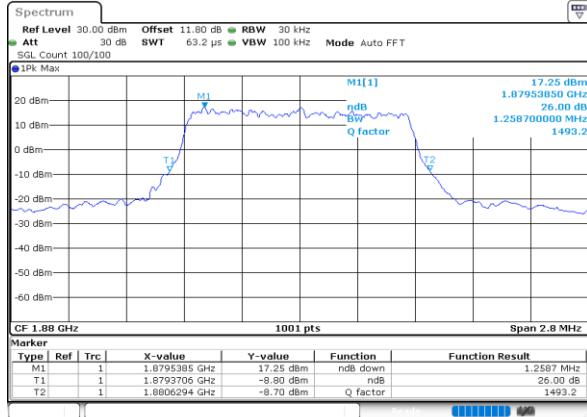
LTE Band 25

Middle Channel / 1.4MHz / QPSK



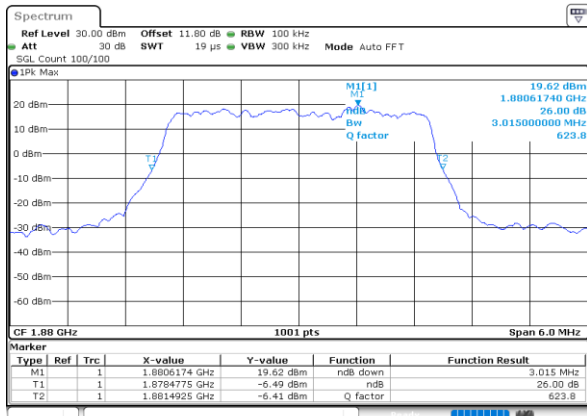
Date: 24.SEP.2022 06:41:39

Middle Channel / 1.4MHz / 16QAM



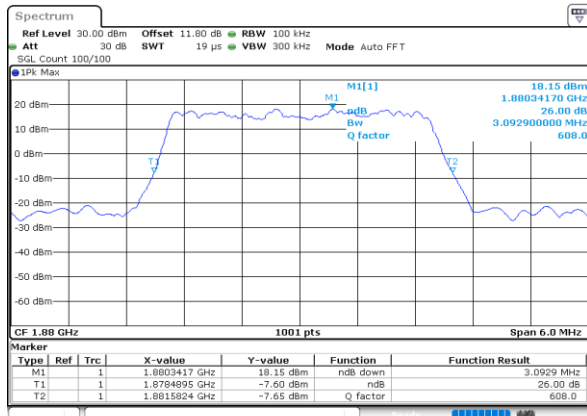
Date: 24.SEP.2022 06:42:06

Middle Channel / 3MHz / QPSK



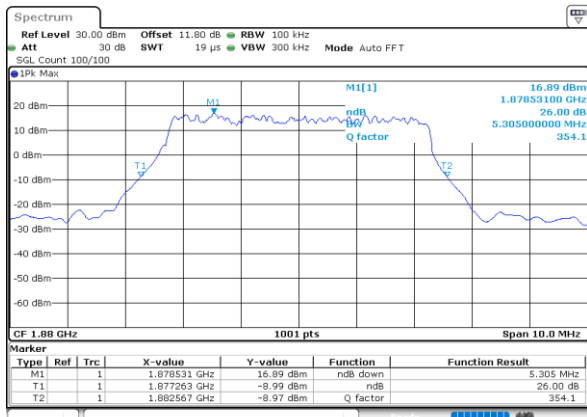
Date: 24.SEP.2022 07:04:59

Middle Channel / 3MHz / 16QAM



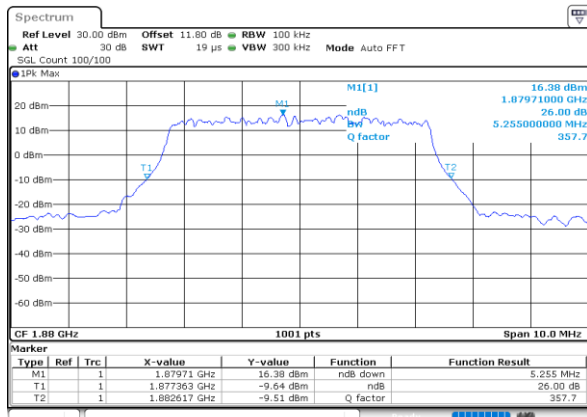
Date: 24.SEP.2022 07:10:25

Middle Channel / 5MHz / QPSK



Date: 24.SEP.2022 07:19:23

Middle Channel / 5MHz / 16QAM

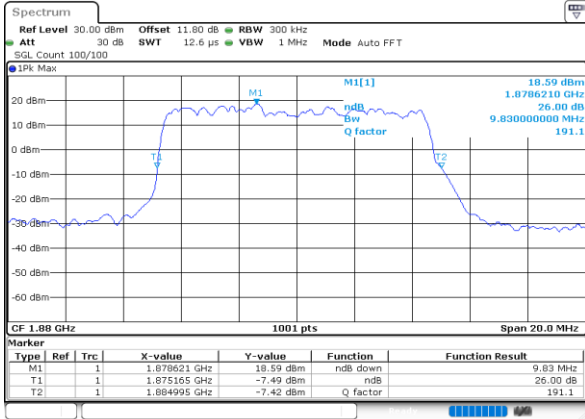


Date: 24.SEP.2022 07:19:49



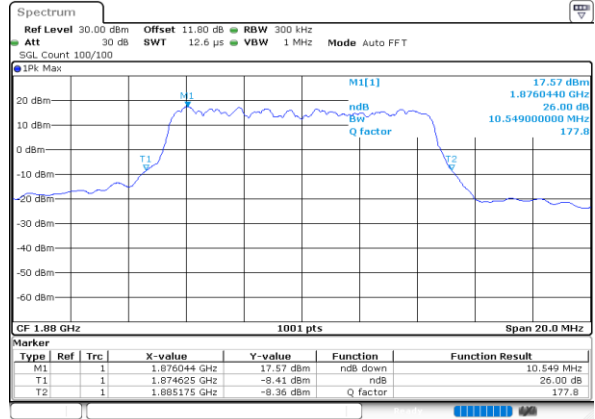
LTE Band 25

Middle Channel / 10MHz / QPSK



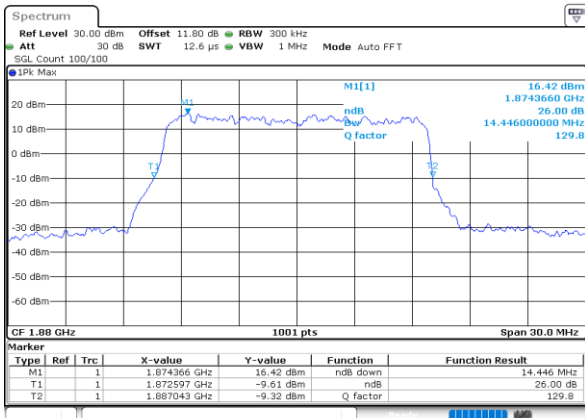
Date: 24.SEP.2022 07:41:31

Middle Channel / 10MHz / 16QAM



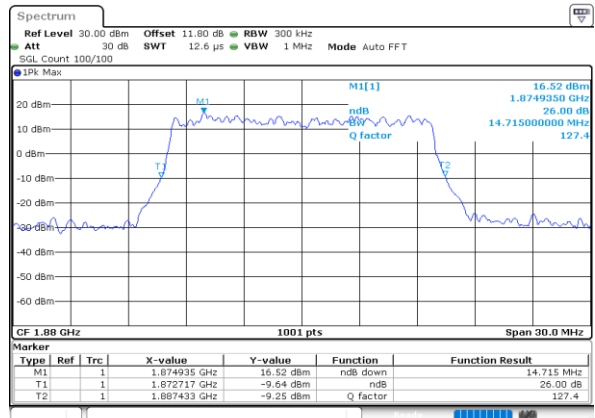
Date: 24.SEP.2022 07:41:57

Middle Channel / 15MHz / QPSK



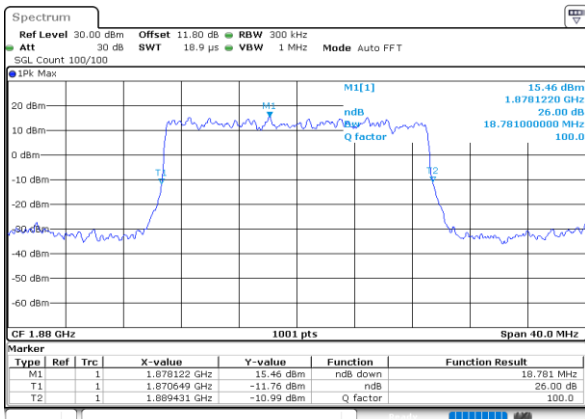
Date: 24.SEP.2022 08:04:51

Middle Channel / 15MHz / 16QAM



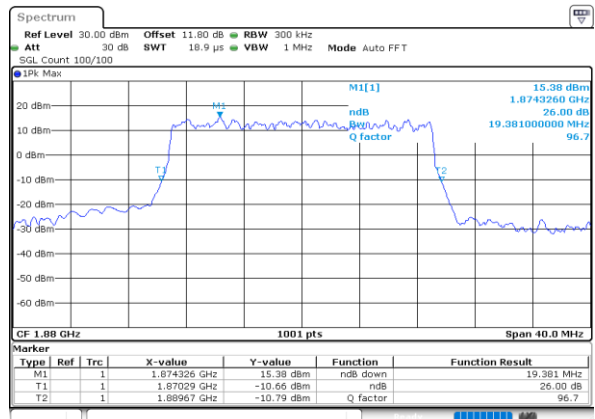
Date: 24.SEP.2022 08:05:17

Middle Channel / 20MHz / QPSK



Date: 24.SEP.2022 08:19:14

Middle Channel / 20MHz / 16QAM

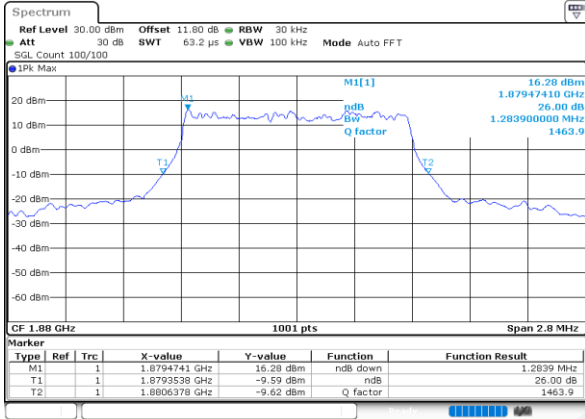


Date: 24.SEP.2022 08:19:41



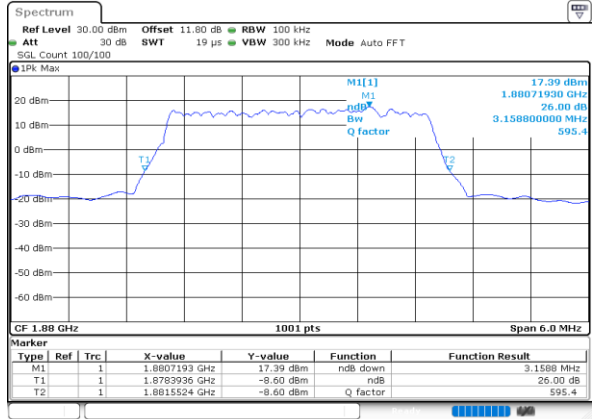
LTE Band 25

Middle Channel / 1.4MHz / 64QAM



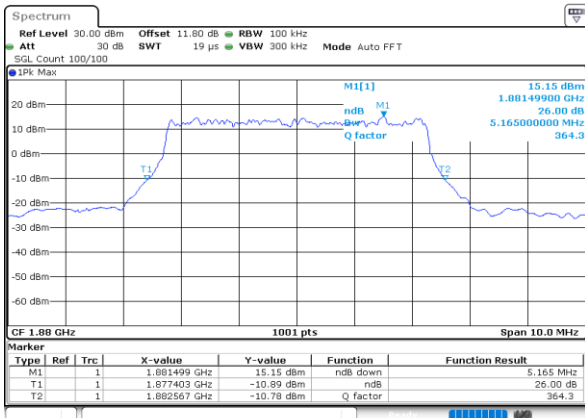
Date: 24.SEP.2022 06:51:18

Middle Channel / 3MHz / 64QAM



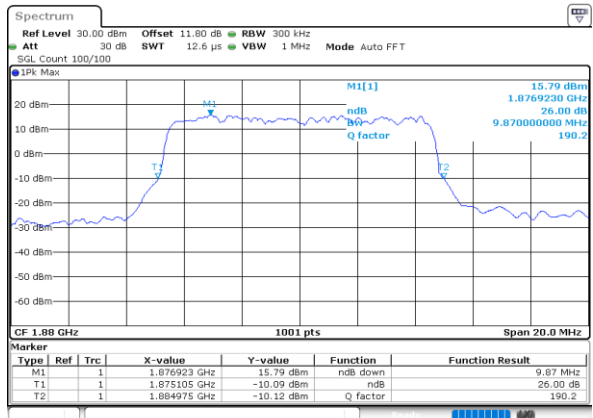
Date: 24.SEP.2022 06:15:31

Middle Channel / 5MHz / 64QAM



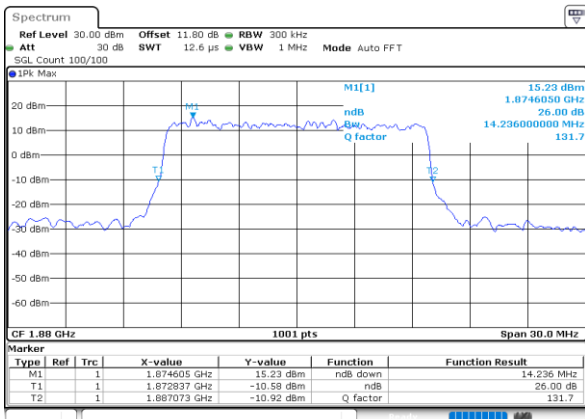
Date: 24.SEP.2022 07:32:19

Middle Channel / 10MHz / 64QAM



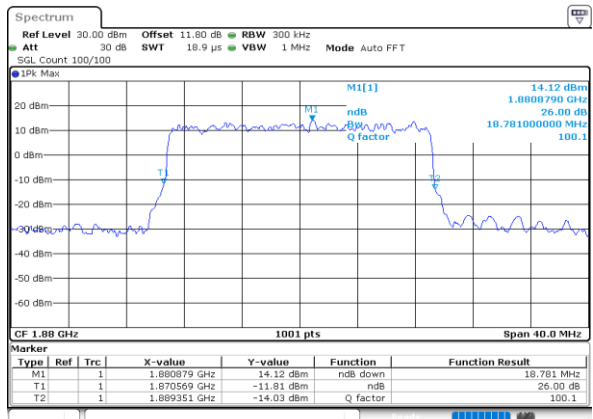
Date: 24.SEP.2022 07:15:110

Middle Channel / 15MHz / 64QAM



Date: 24.SEP.2022 07:56:23

Middle Channel / 20MHz / 64QAM

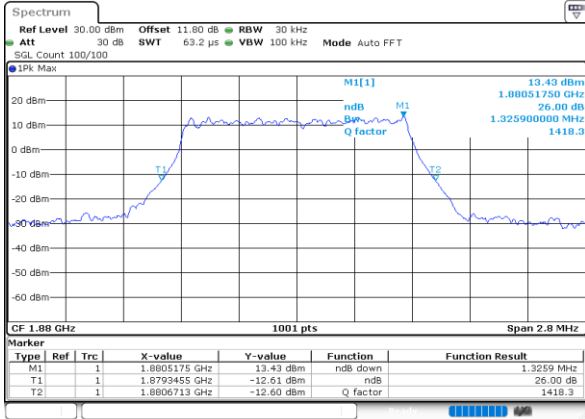


Date: 24.SEP.2022 08:28:53



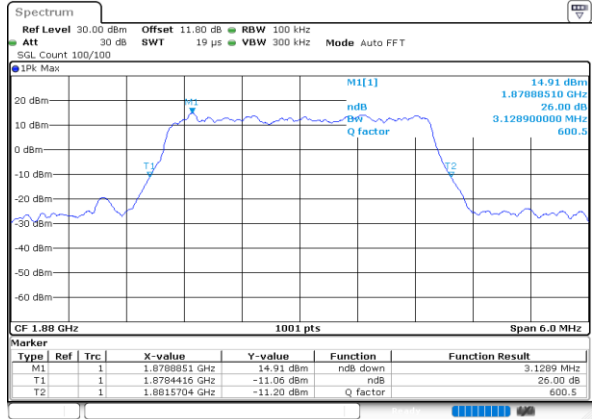
LTE Band 25

Middle Channel / 1.4MHz / 256QAM



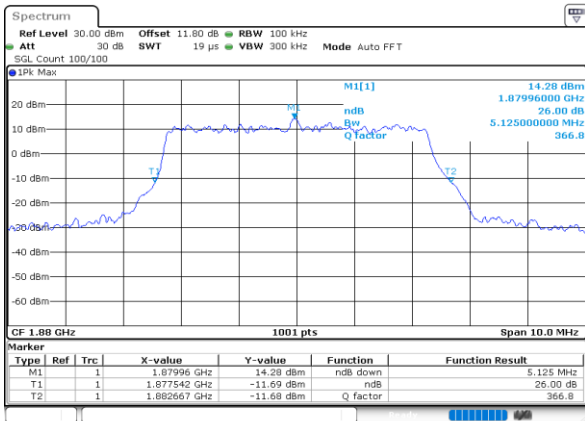
Date: 24.SEP.2022 08:35:36

Middle Channel / 3MHz / 256QAM



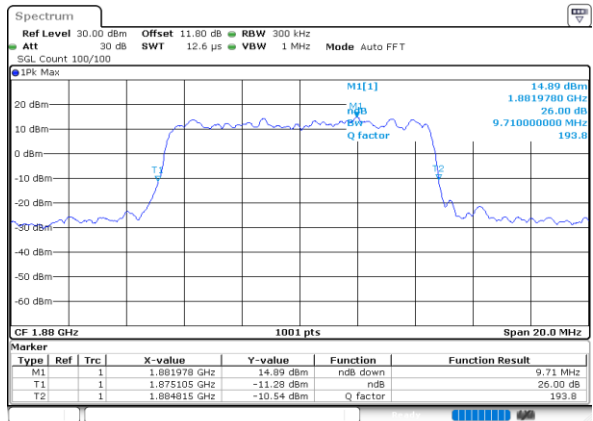
Date: 24.SEP.2022 08:41:03

Middle Channel / 5MHz / 256QAM



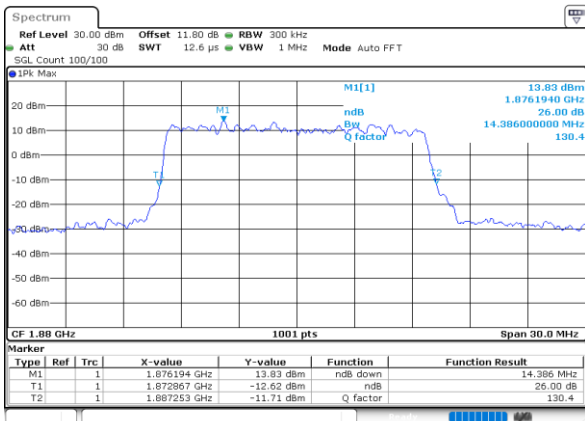
Date: 24.SEP.2022 08:46:20

Middle Channel / 10MHz / 256QAM



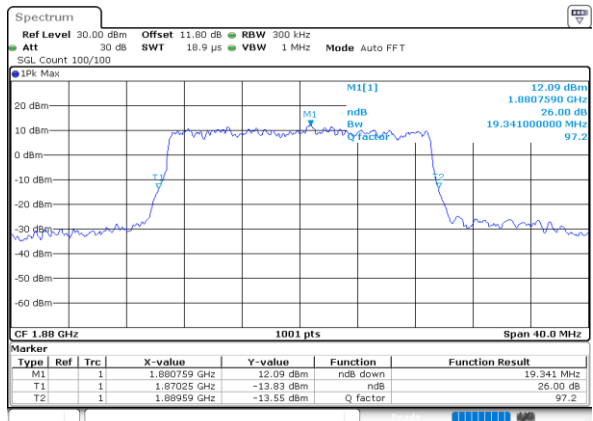
Date: 24.SEP.2022 08:51:37

Middle Channel / 15MHz / 256QAM



Date: 24.SEP.2022 08:56:54

Middle Channel / 20MHz / 256QAM



Date: 24.SEP.2022 09:02:11



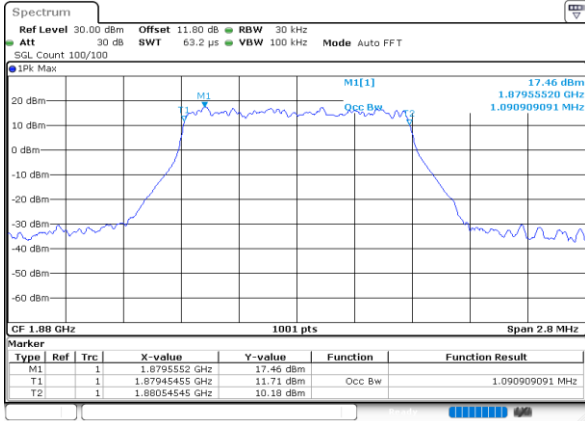
Occupied Bandwidth

Mode	LTE Band 25 : 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	4.50	4.55	9.11	9.03	13.37	13.46	17.90	17.90
Mode	LTE Band 25 : 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	2.72	2.73	4.49	4.51	9.01	9.09	13.40	13.43	17.86	17.90



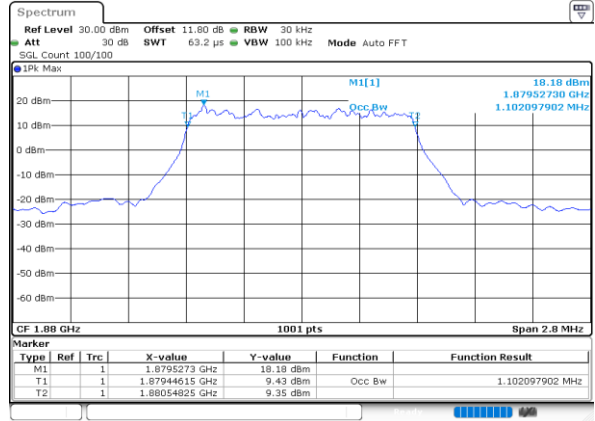
LTE Band 25

Middle Channel / 1.4MHz / QPSK



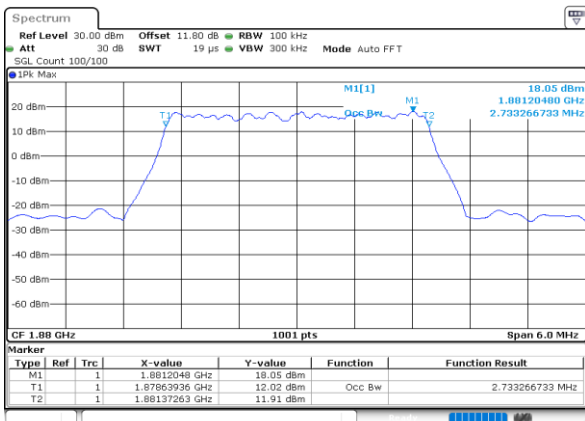
Date: 24.SEP.2022 06:40:46

Middle Channel / 1.4MHz / 16QAM



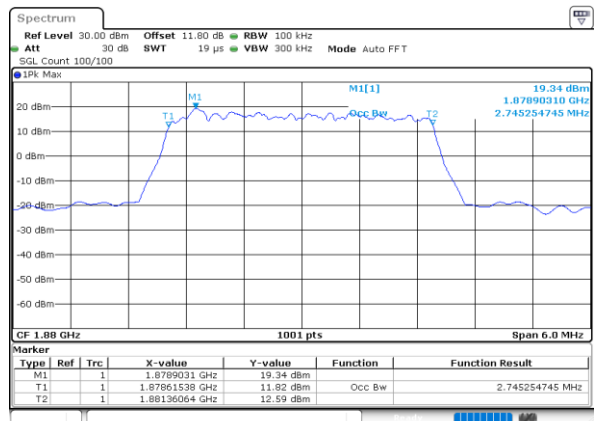
Date: 24.SEP.2022 06:41:13

Middle Channel / 3MHz / QPSK



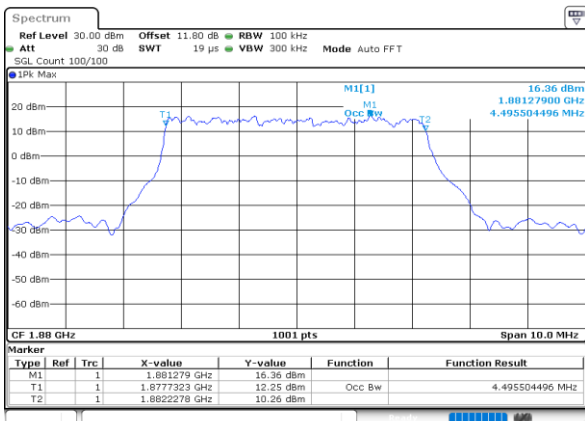
Date: 24.SEP.2022 07:04:05

Middle Channel / 3MHz / 16QAM



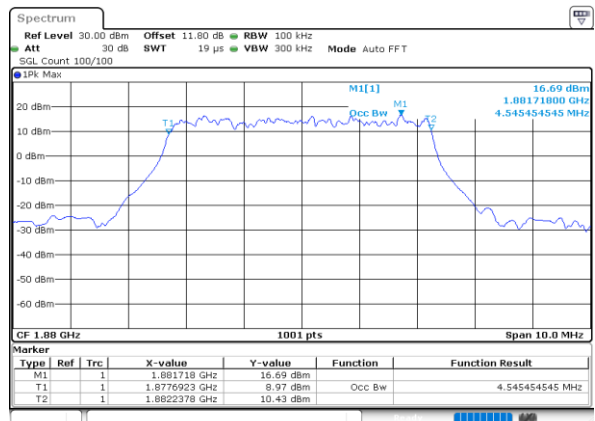
Date: 24.SEP.2022 07:04:32

Middle Channel / 5MHz / QPSK



Date: 24.SEP.2022 07:18:29

Middle Channel / 5MHz / 16QAM



Date: 24.SEP.2022 07:18:56