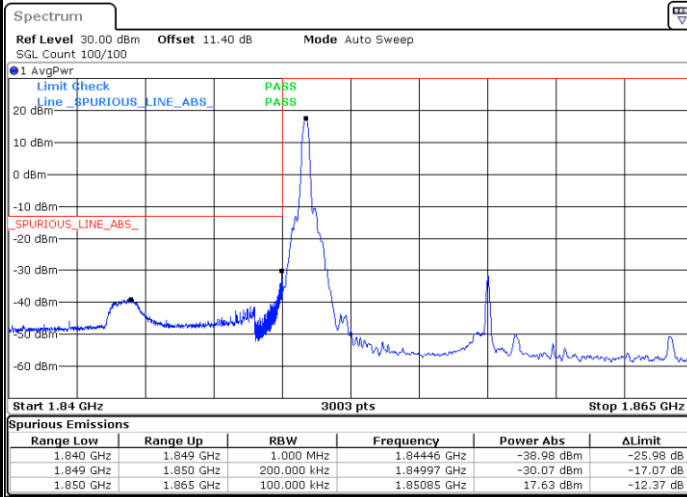




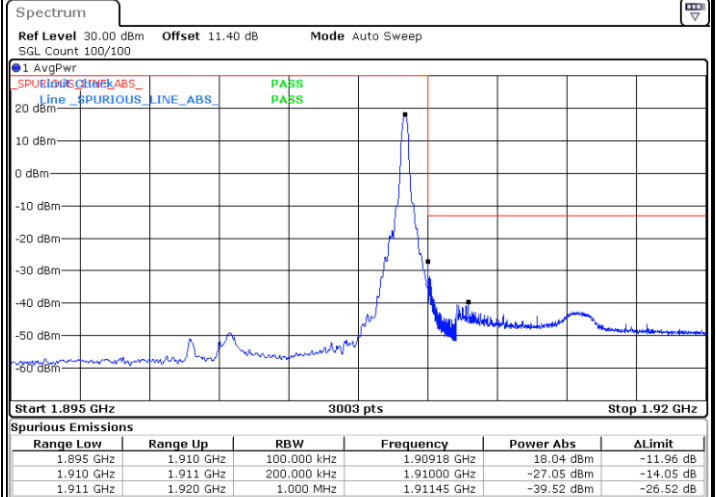
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



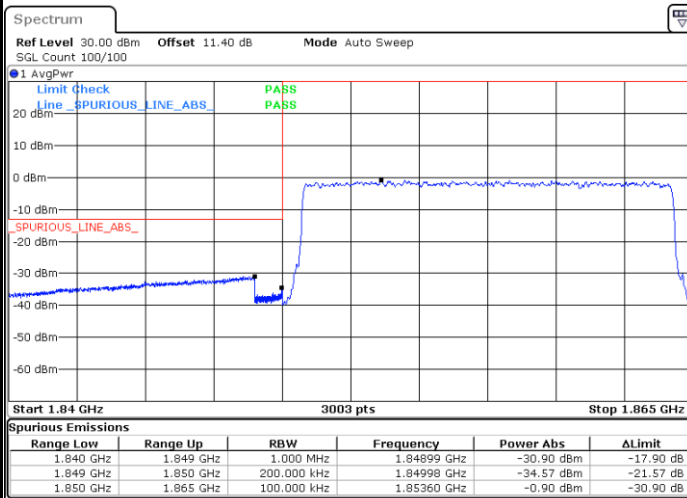
Date: 15.JAN.2022 21:40:23

Highest Band Edge / 1 RB



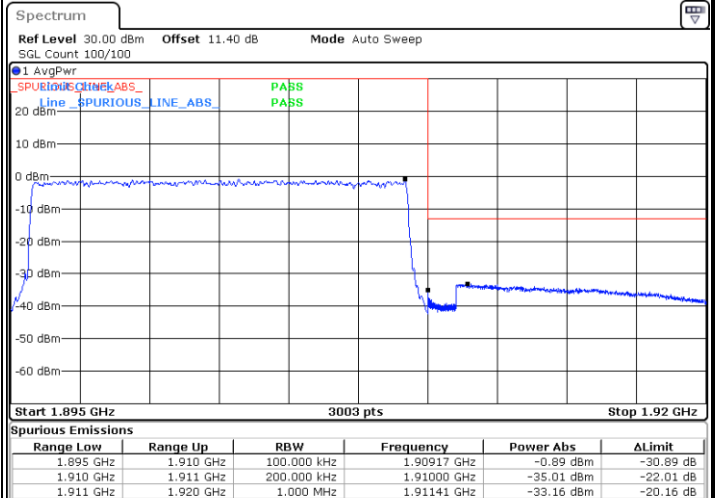
Date: 15.JAN.2022 21:42:26

Lowest Band Edge / Full RB



Date: 15.JAN.2022 21:41:04

Highest Band Edge / Full RB

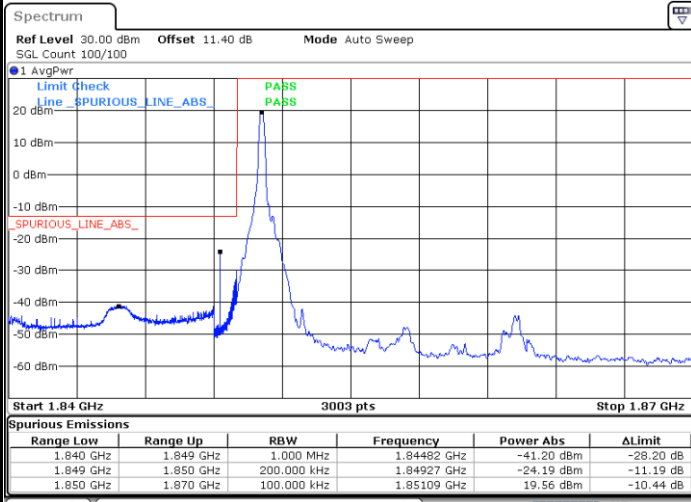


Date: 15.JAN.2022 21:43:07



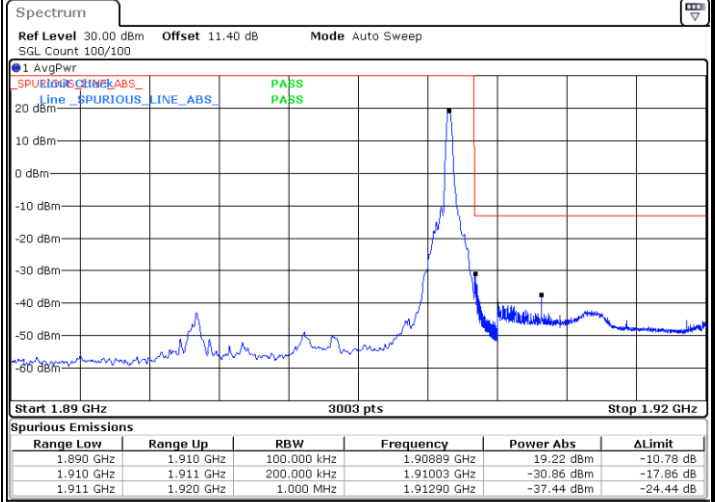
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



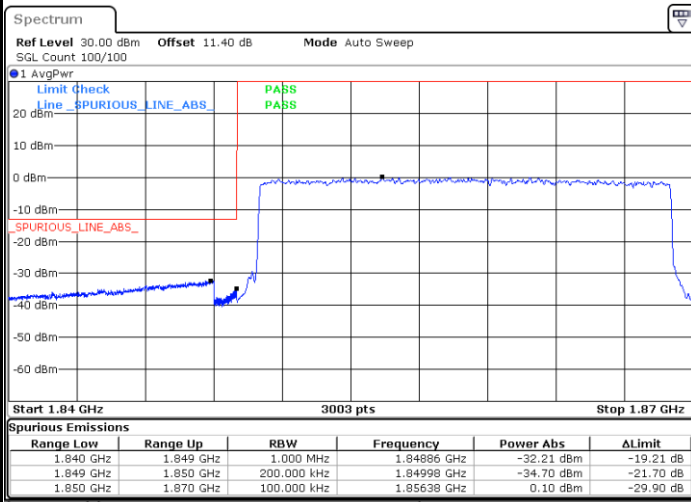
Date: 15.JAN.2022 21:43:48

Highest Band Edge / 1 RB



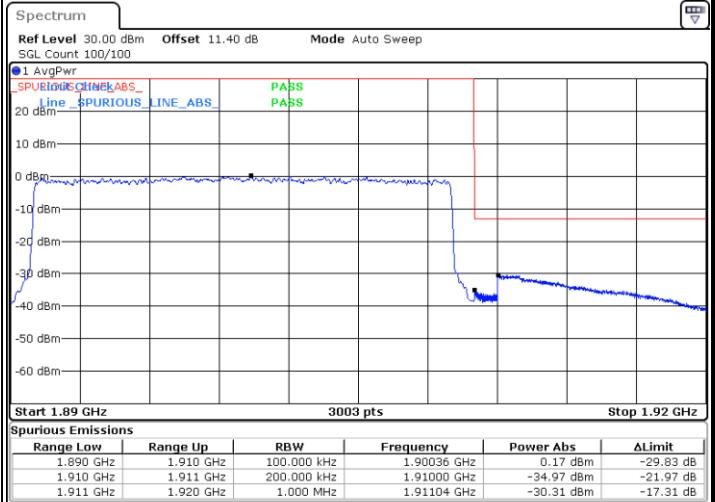
Date: 15.JAN.2022 21:49:36

Lowest Band Edge / Full RB



Date: 15.JAN.2022 21:45:09

Highest Band Edge / Full RB

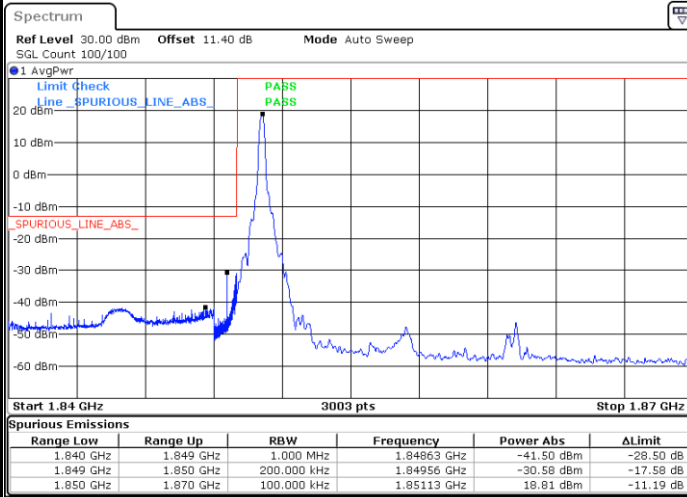


Date: 15.JAN.2022 21:50:58



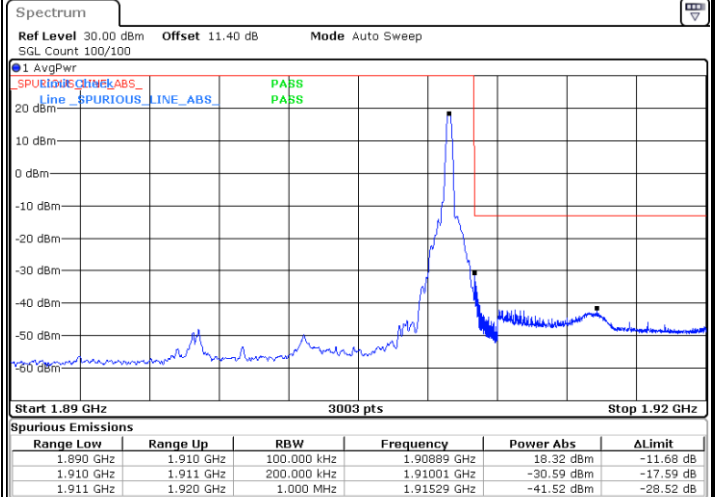
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



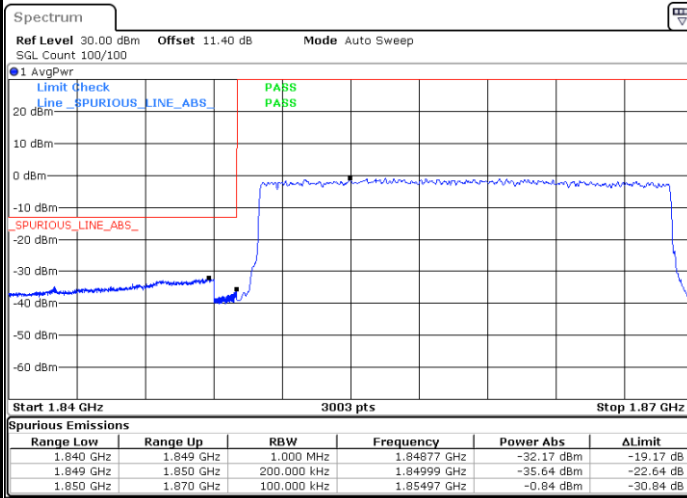
Date: 15.JAN.2022 21:44:29

Highest Band Edge / 1 RB



Date: 15.JAN.2022 21:50:17

Lowest Band Edge / Full RB



Date: 15.JAN.2022 21:45:49

Highest Band Edge / Full RB

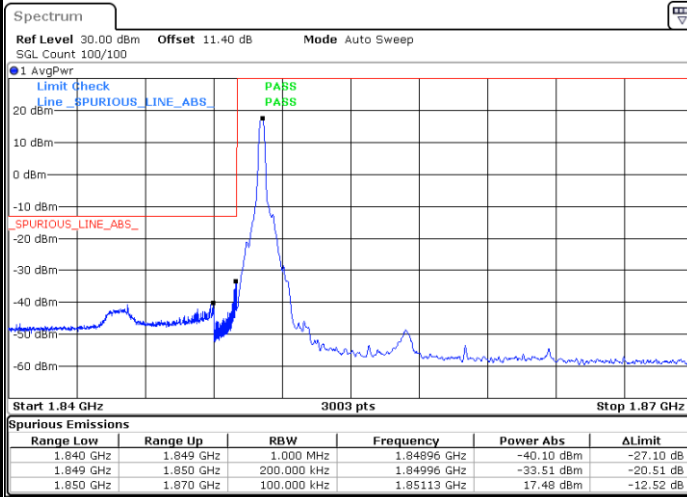


Date: 15.JAN.2022 21:51:38



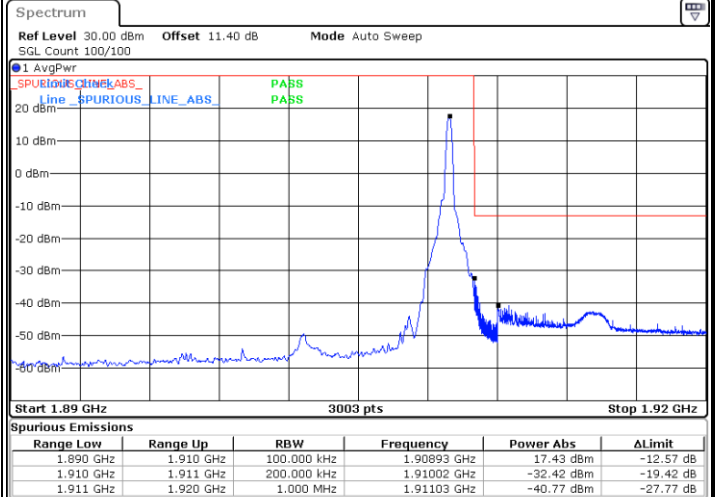
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



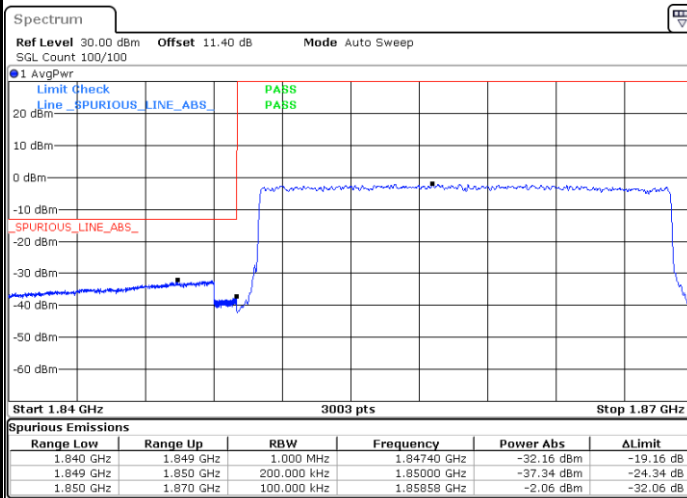
Date: 15.JAN.2022 21:53:09

Highest Band Edge / 1 RB



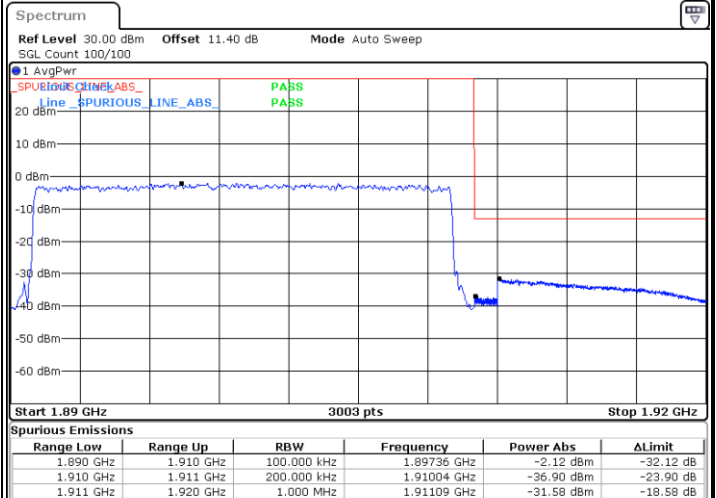
Date: 15.JAN.2022 21:55:12

Lowest Band Edge / Full RB



Date: 15.JAN.2022 21:53:50

Highest Band Edge / Full RB



Date: 15.JAN.2022 21:55:52

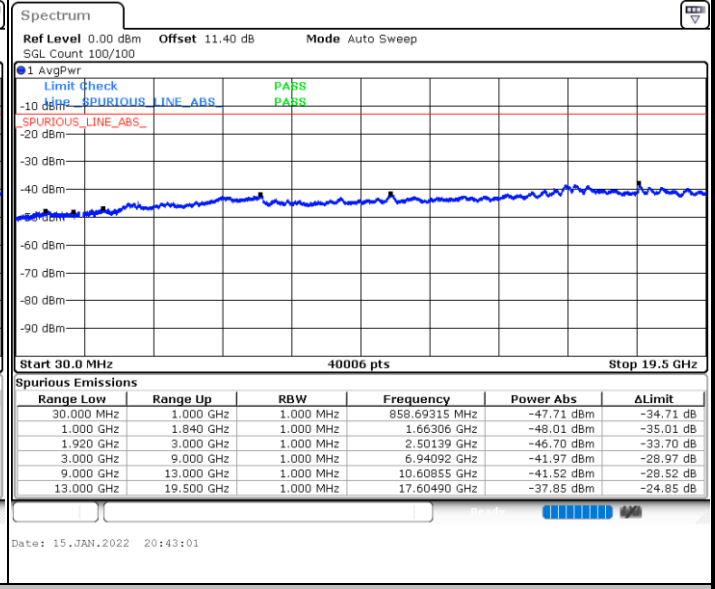
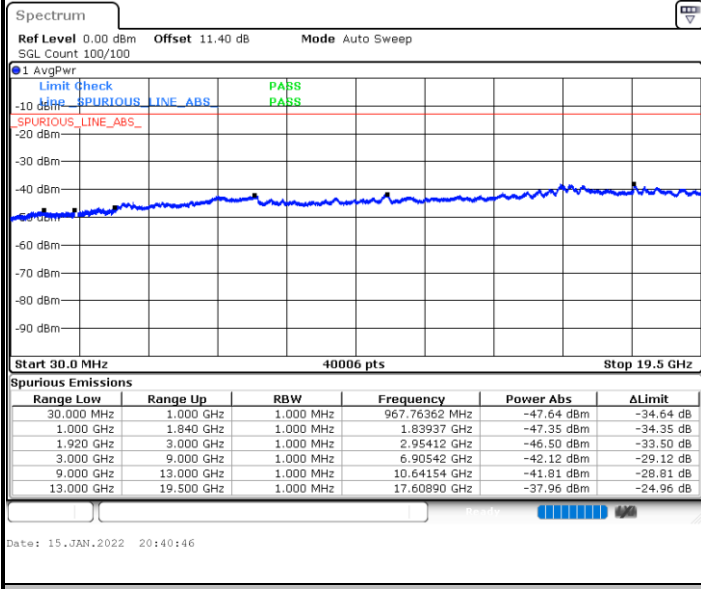


Conducted Spurious Emission

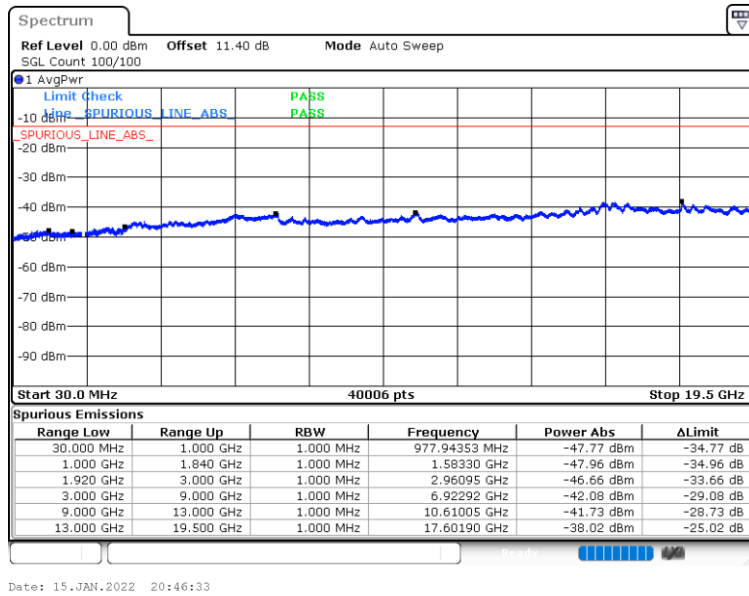
LTE Band 2 / 1.4MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

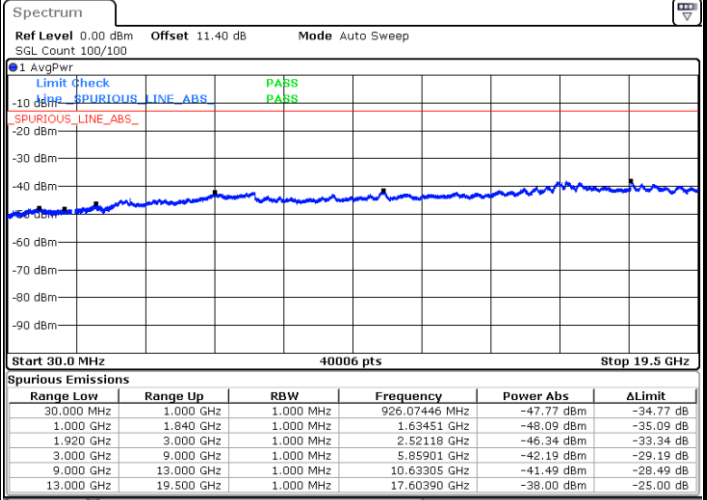
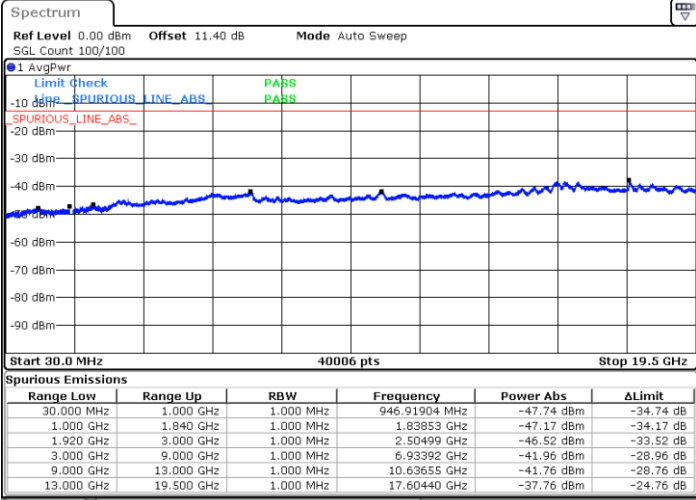




LTE Band 2 / 3MHz

Lowest Channel / QPSK

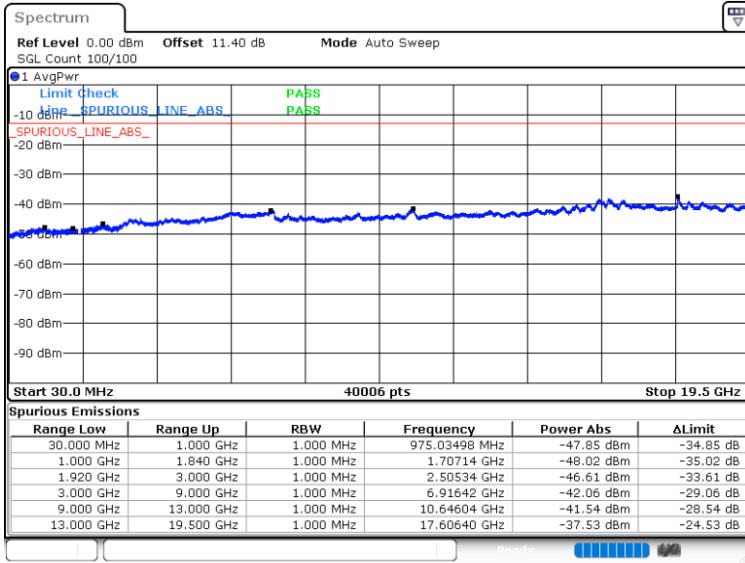
Middle Channel / QPSK



Date: 15.JAN.2022 20:50:07

Date: 15.JAN.2022 20:52:22

Highest Channel / QPSK



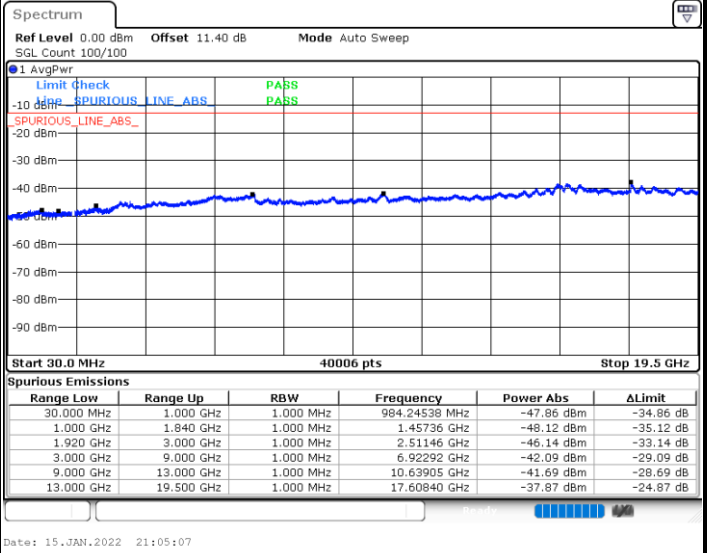
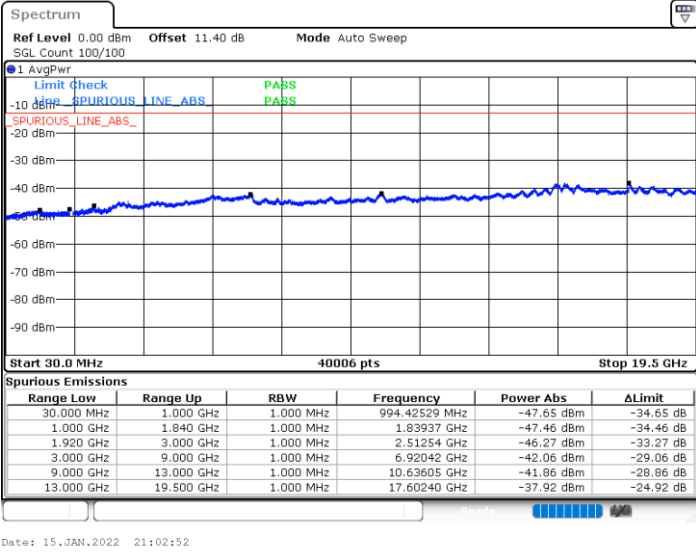
Date: 15.JAN.2022 20:55:55



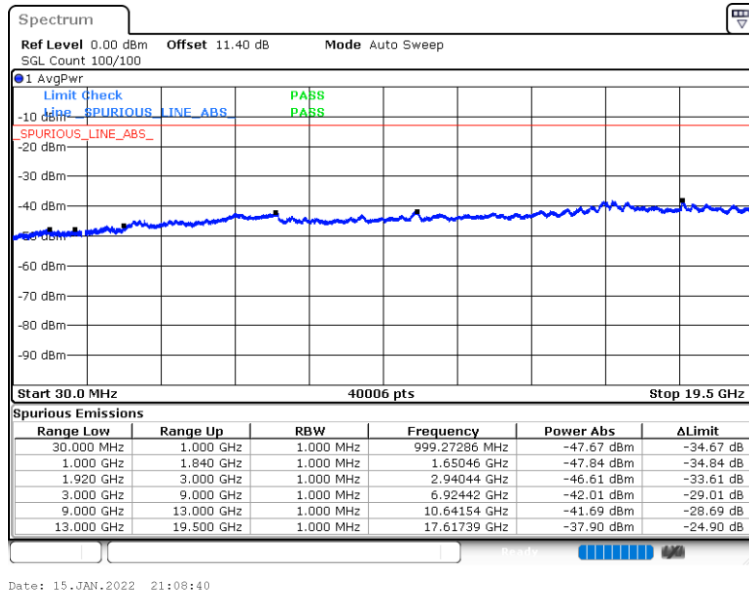
LTE Band 2 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

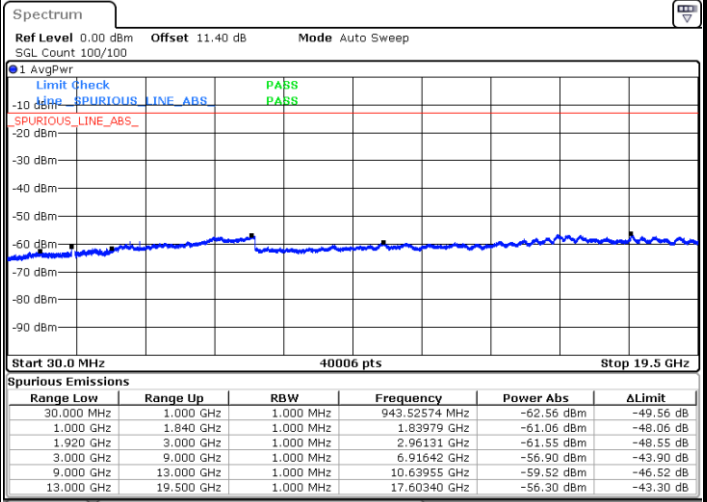
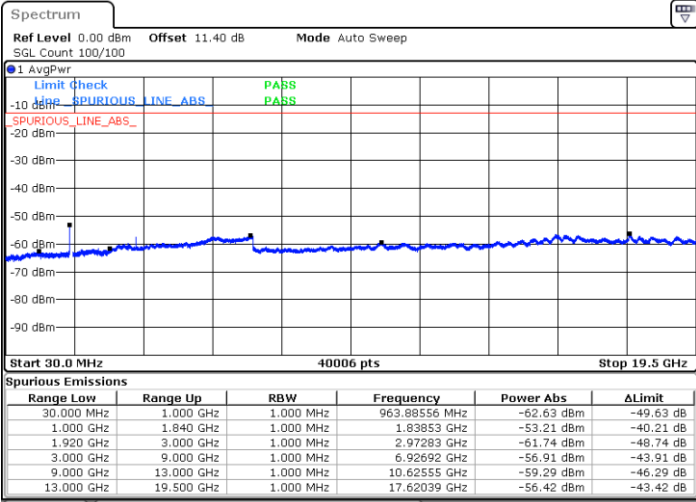




LTE Band 2 / 10MHz

Lowest Channel / QPSK

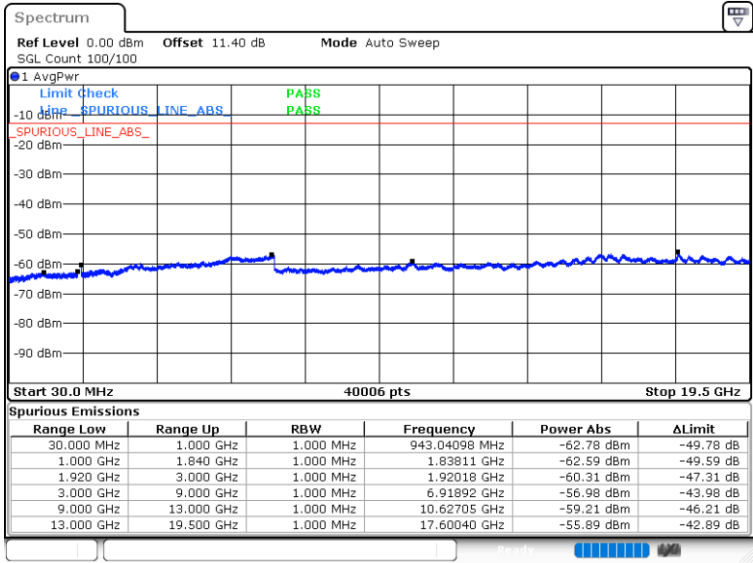
Middle Channel / QPSK



Date: 15.JAN.2022 21:19:42

Date: 15.JAN.2022 21:21:56

Highest Channel / QPSK



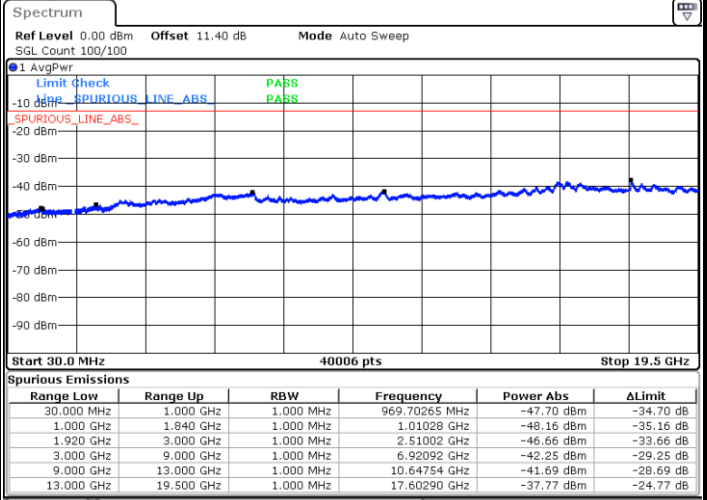
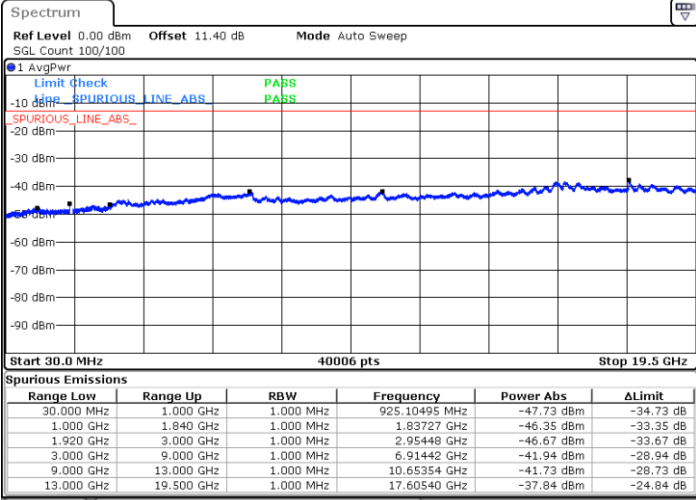
Date: 15.JAN.2022 21:26:56



LTE Band 2 / 15MHz

Lowest Channel / QPSK

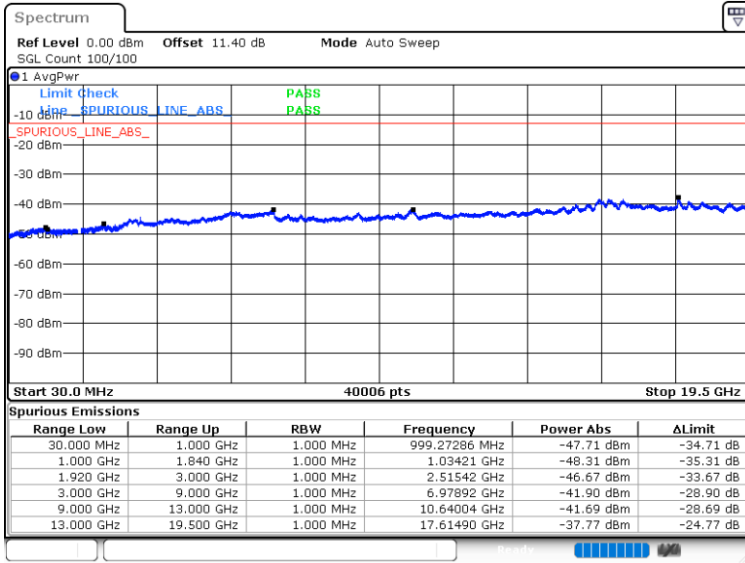
Middle Channel / QPSK



Date: 15.JAN.2022 21:33:53

Date: 15.JAN.2022 21:36:09

Highest Channel / QPSK



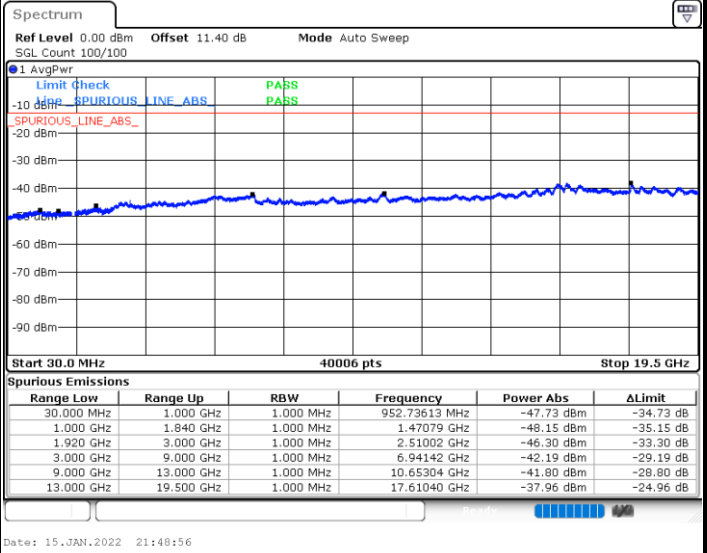
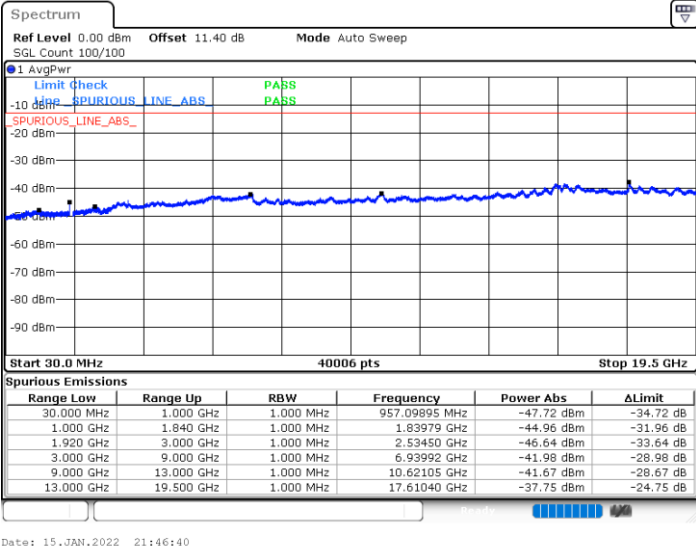
Date: 15.JAN.2022 21:39:42



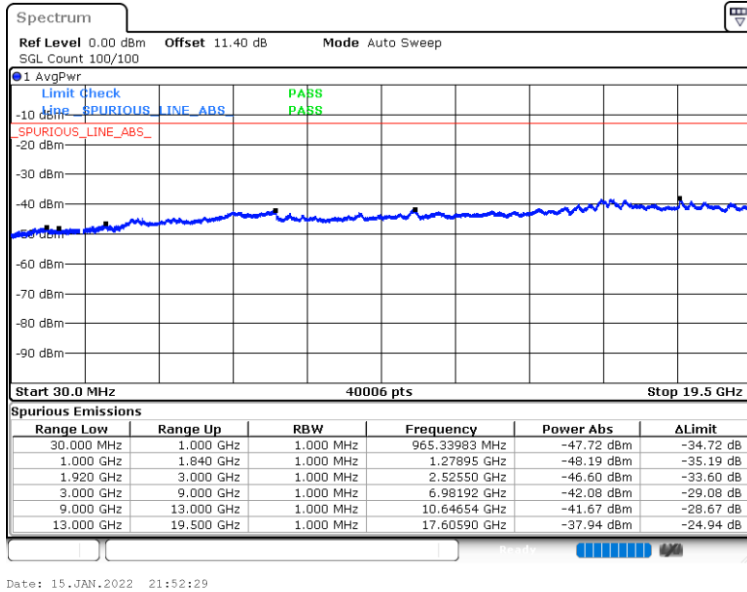
LTE Band 2 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0079	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0071	
0	Normal Voltage	0.0040	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0061	

Note:

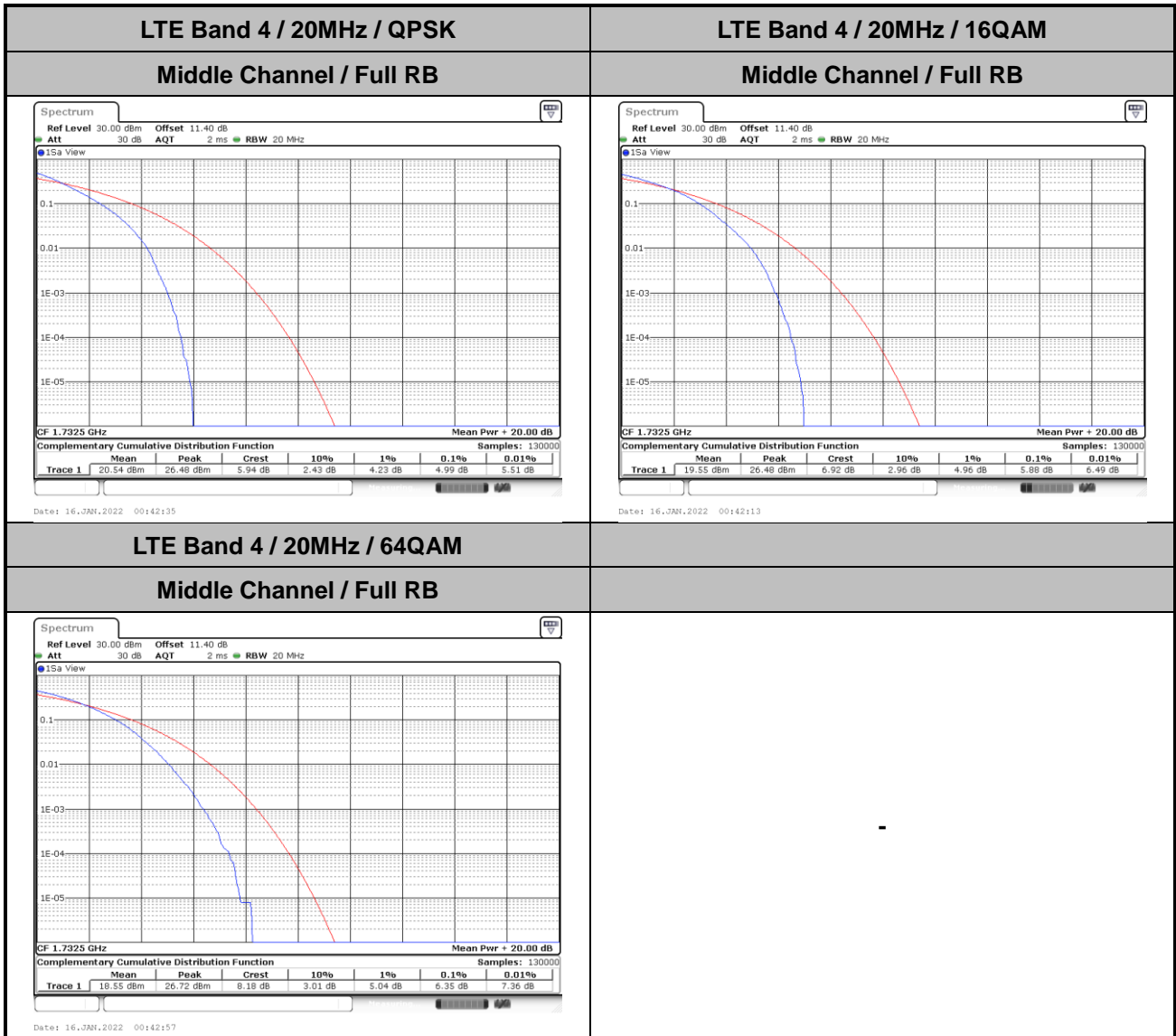
1. Normal Voltage =14 V. ; Battery End Point (BEP) =12 V. ; Maximum Voltage =16 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 4

Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.99	5.88	6.35	PASS





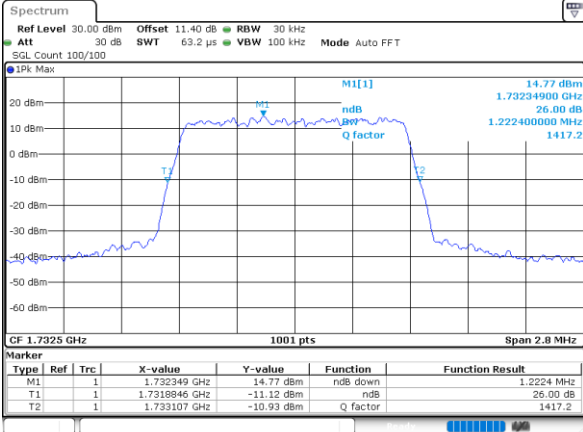
26dB Bandwidth

Mode	LTE Band 4 : 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	1.21	3.00	3.00	4.86	4.89	9.71	9.91	14.24	14.24	18.74	18.78
Mode	LTE Band 4 : 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	1.23	-	3.00	-	4.80	-	9.67	-	14.33	-	19.22	-



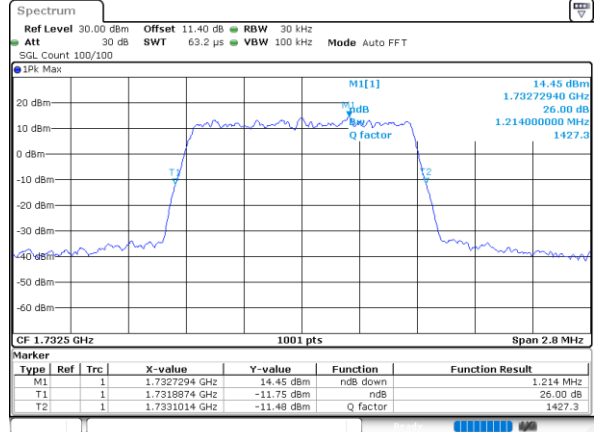
LTE Band 4

Middle Channel / 1.4MHz / QPSK



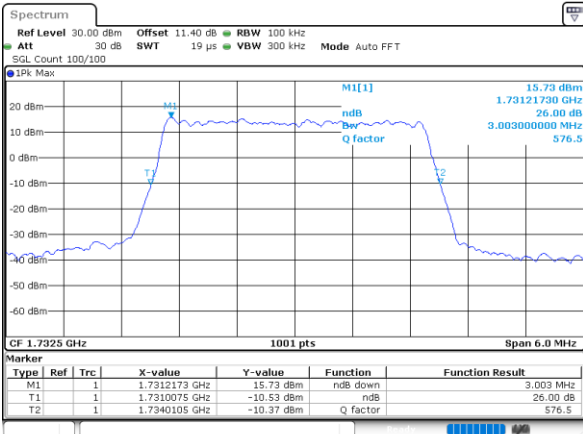
Date: 15_JAN,2022 23:12:20

Middle Channel / 1.4MHz / 16QAM



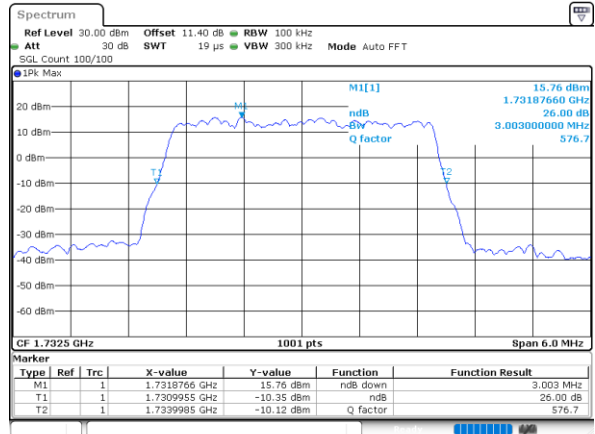
Date: 15_JAN,2022 23:12:41

Middle Channel / 3MHz / QPSK



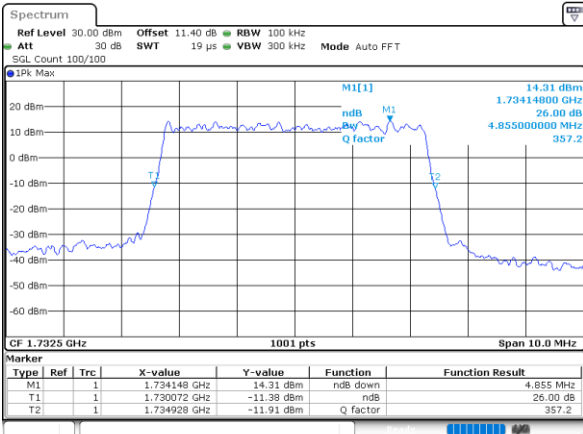
Date: 15_JAN,2022 23:28:02

Middle Channel / 3MHz / 16QAM



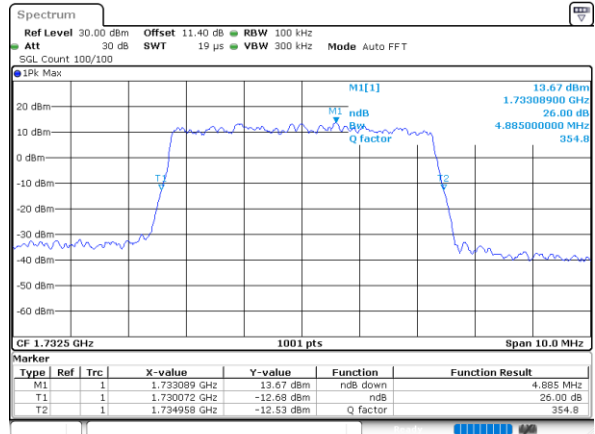
Date: 15_JAN,2022 23:28:23

Middle Channel / 5MHz / QPSK



Date: 15_JAN,2022 23:44:07

Middle Channel / 5MHz / 16QAM

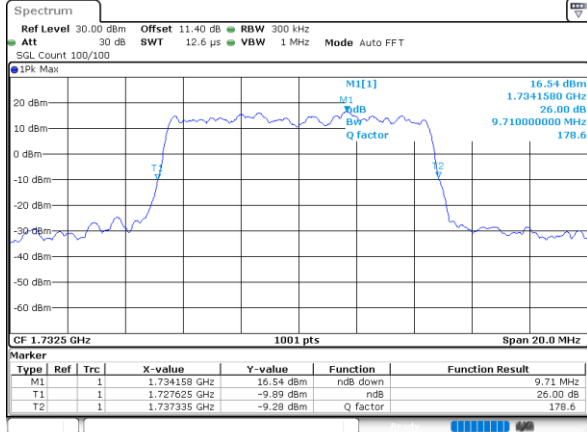


Date: 15_JAN,2022 23:44:28



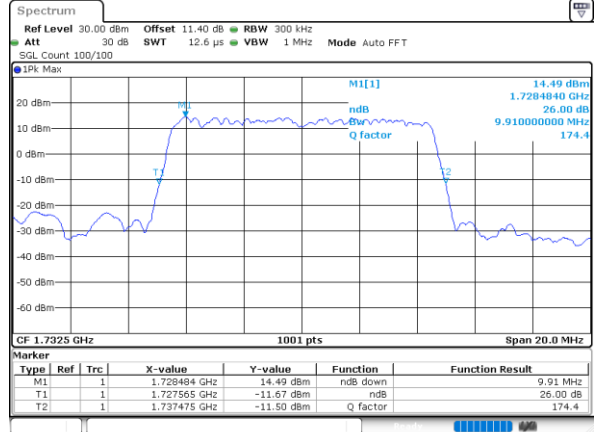
LTE Band 4

Middle Channel / 10MHz / QPSK



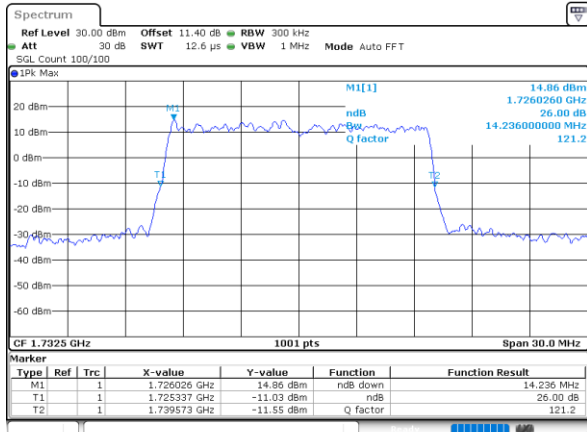
Date: 15_JAN.2022 23:53:25

Middle Channel / 10MHz / 16QAM



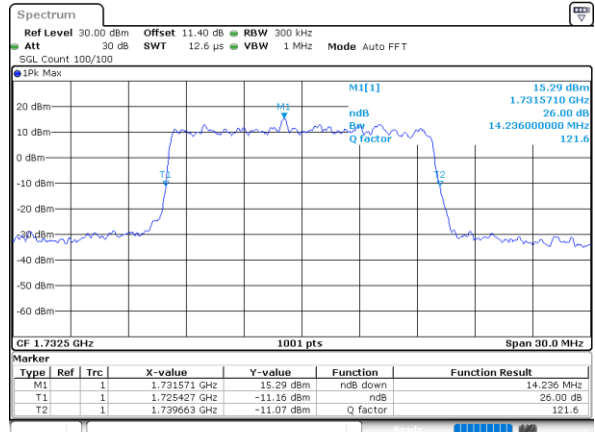
Date: 15_JAN.2022 23:53:46

Middle Channel / 15MHz / QPSK



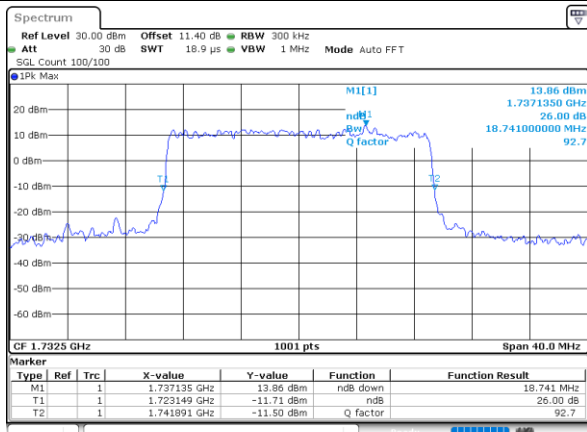
Date: 16_JAN.2022 00:14:08

Middle Channel / 15MHz / 16QAM



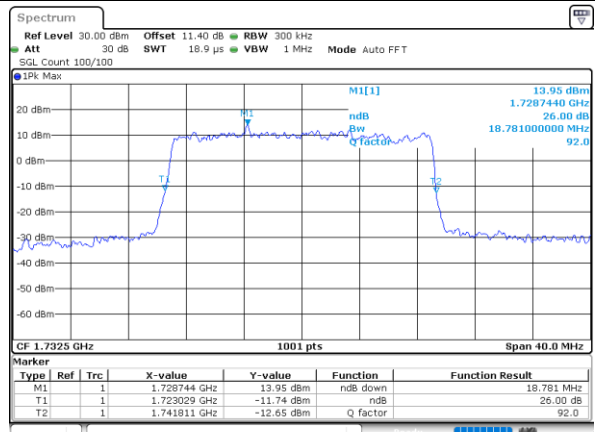
Date: 16_JAN.2022 00:14:29

Middle Channel / 20MHz / QPSK



Date: 16_JAN.2022 00:33:45

Middle Channel / 20MHz / 16QAM

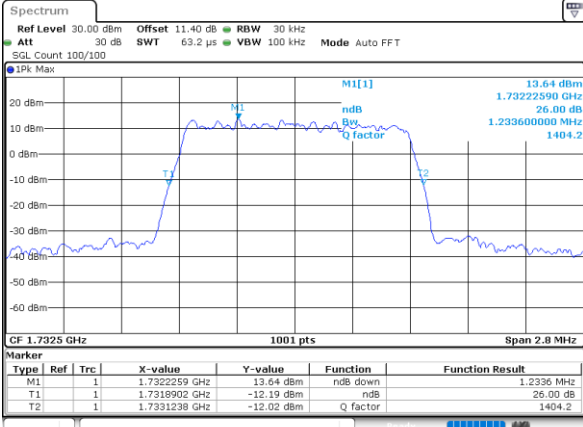


Date: 16_JAN.2022 00:34:06



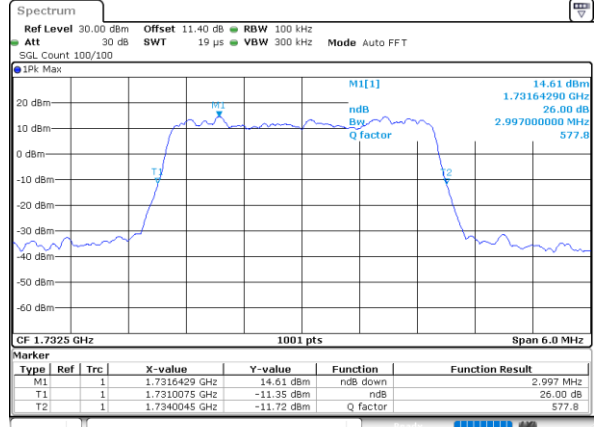
LTE Band 4

Middle Channel / 1.4MHz / 64QAM



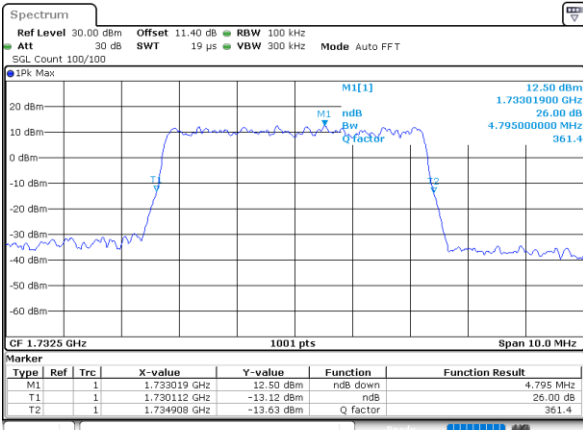
Date: 15_JAN.2022 23:19:06

Middle Channel / 3MHz / 64QAM



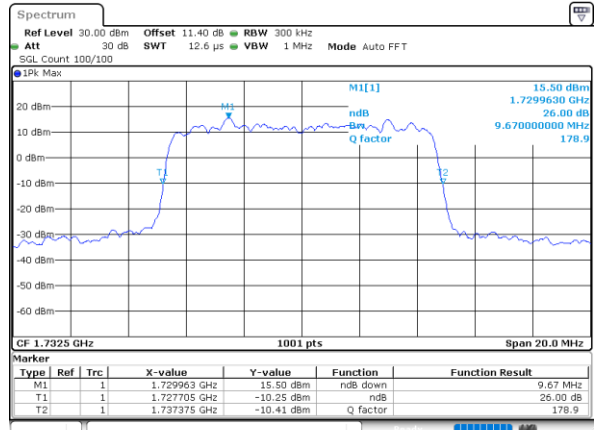
Date: 15_JAN.2022 23:14:47

Middle Channel / 5MHz / 64QAM



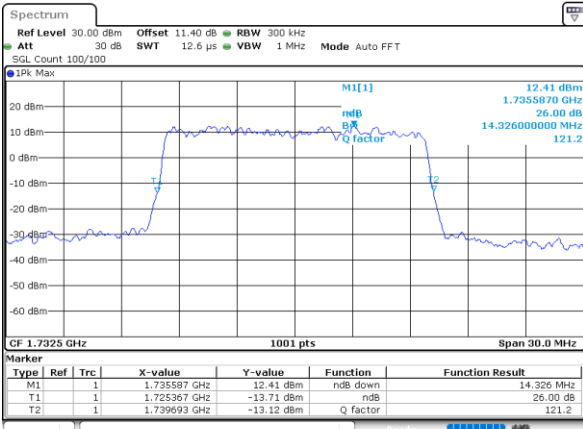
Date: 15_JAN.2022 23:38:12

Middle Channel / 10MHz / 64QAM



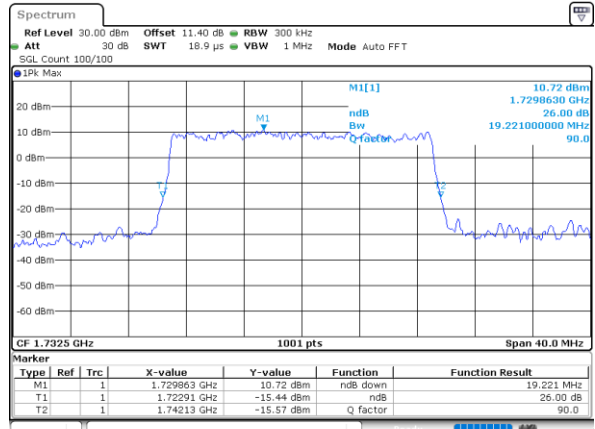
Date: 16_JAN.2022 00:08:11

Middle Channel / 15MHz / 64QAM



Date: 16_JAN.2022 00:27:48

Middle Channel / 20MHz / 64QAM



Date: 16_JAN.2022 00:14:30



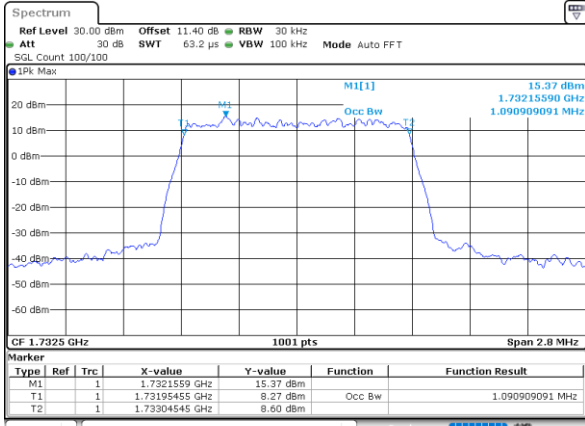
Occupied Bandwidth

Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.10	2.73	2.72	4.49	4.49	9.01	9.05	13.43	13.40	17.86	17.82
Mode	LTE Band 4 : 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	1.09	-	2.73	-	4.48	-	9.03	-	13.37	-	17.82	-

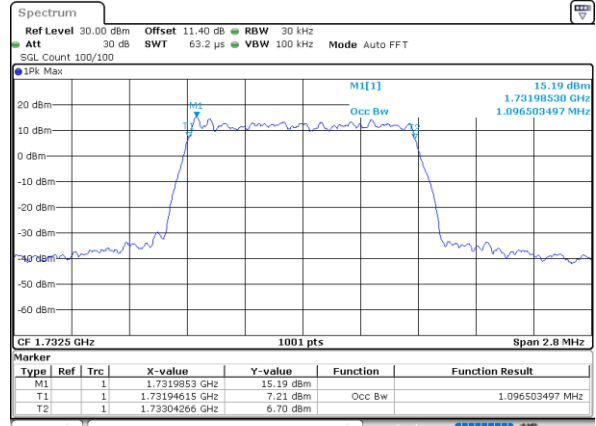


LTE Band 4

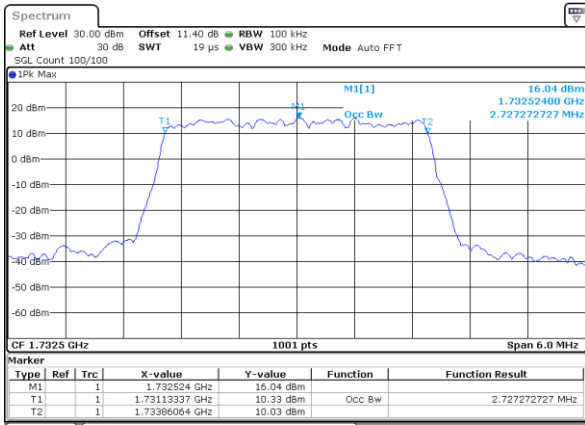
Middle Channel / 1.4MHz / QPSK



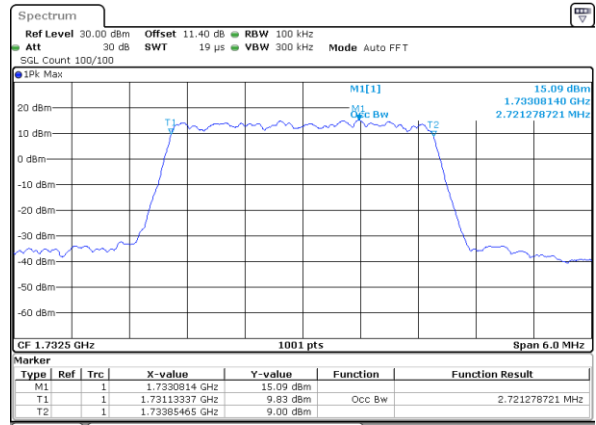
Middle Channel / 1.4MHz / 16QAM



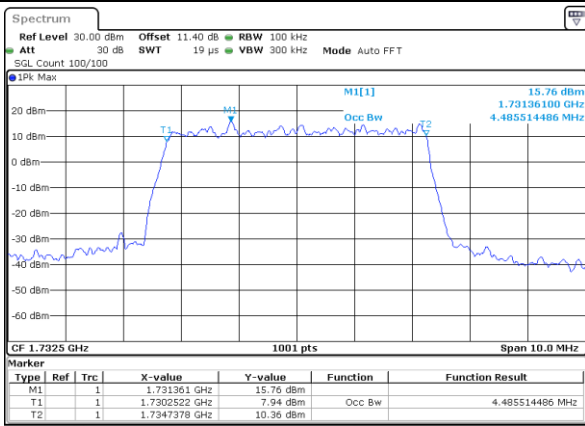
Middle Channel / 3MHz / QPSK



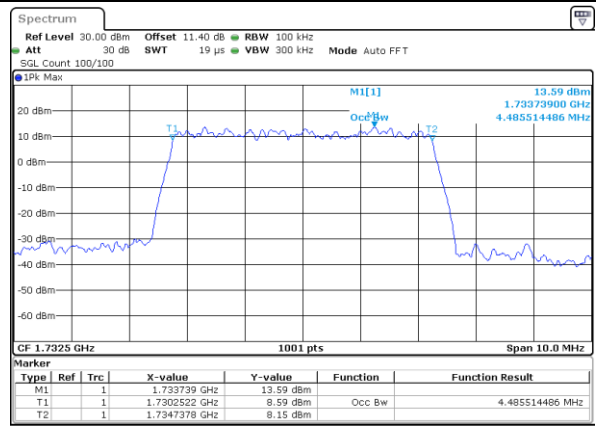
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



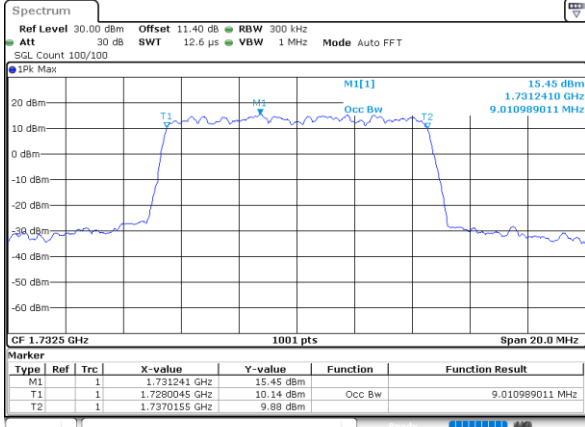
Middle Channel / 5MHz / 16QAM





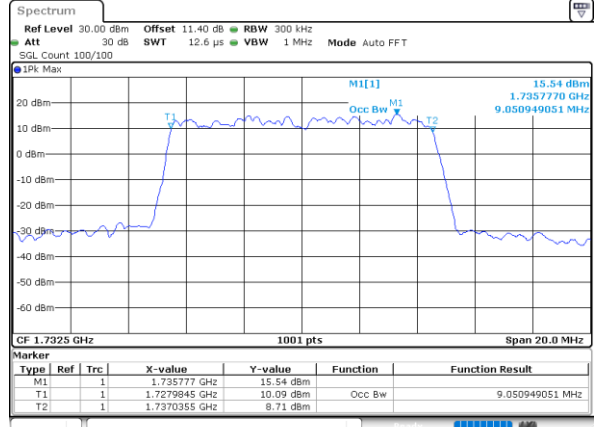
LTE Band 4

Middle Channel / 10MHz / QPSK



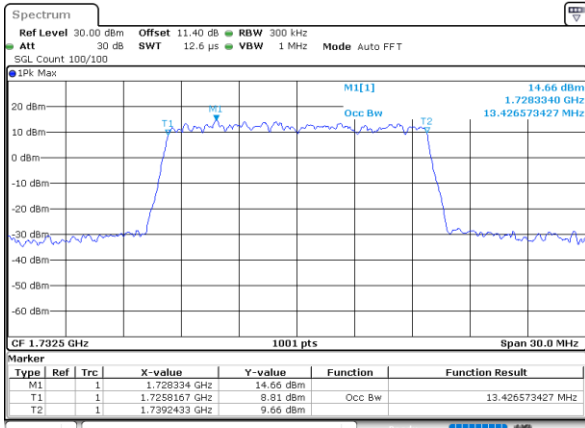
Date: 15_JAN.2022 23:52:43

Middle Channel / 10MHz / 16QAM



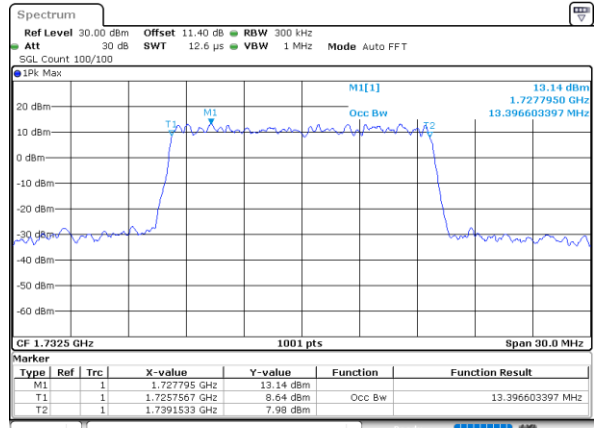
Date: 15_JAN.2022 23:53:04

Middle Channel / 15MHz / QPSK



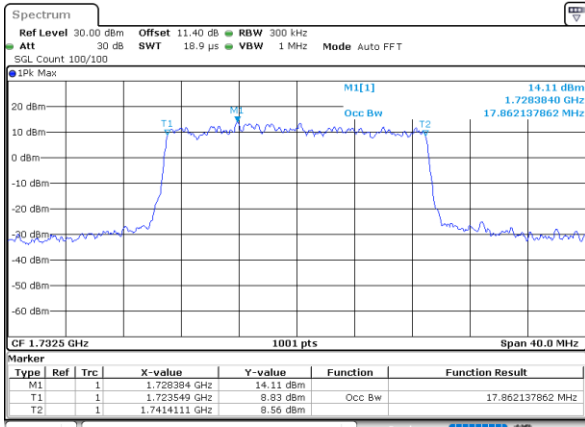
Date: 16_JAN.2022 00:13:26

Middle Channel / 15MHz / 16QAM



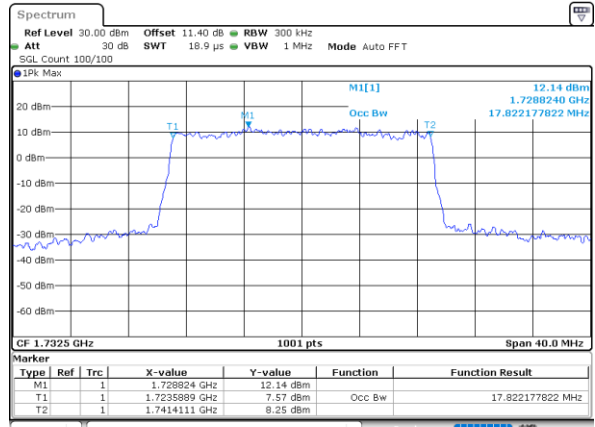
Date: 16_JAN.2022 00:13:47

Middle Channel / 20MHz / QPSK



Date: 16_JAN.2022 00:13:03

Middle Channel / 20MHz / 16QAM

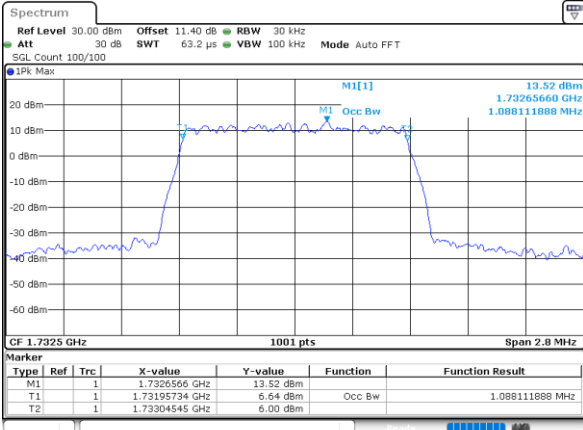


Date: 16_JAN.2022 00:13:24

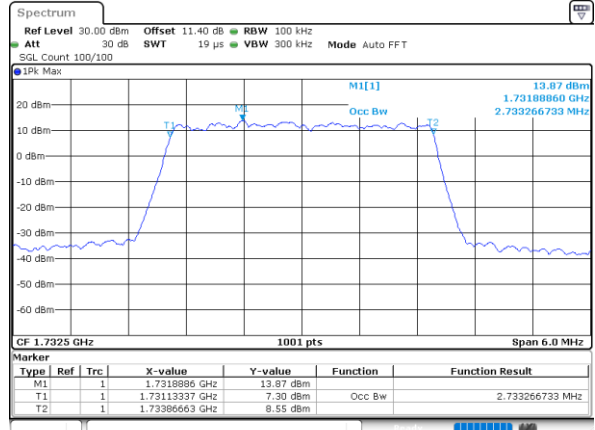


LTE Band 4

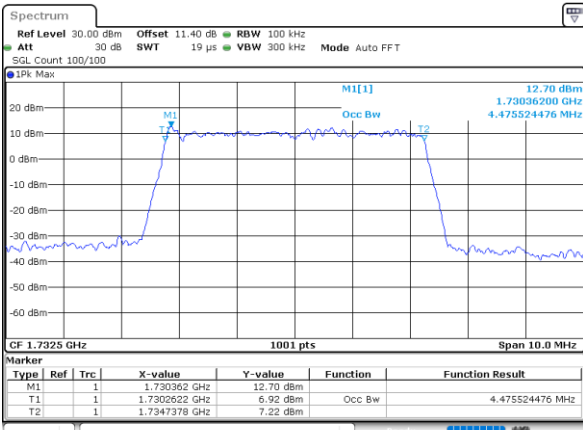
Middle Channel / 1.4MHz / 64QAM



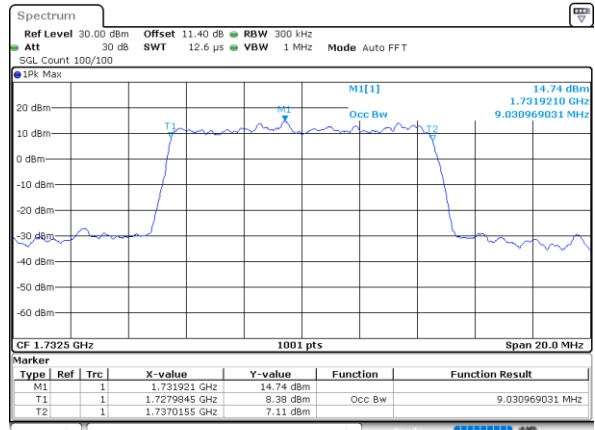
Middle Channel / 3MHz / 64QAM



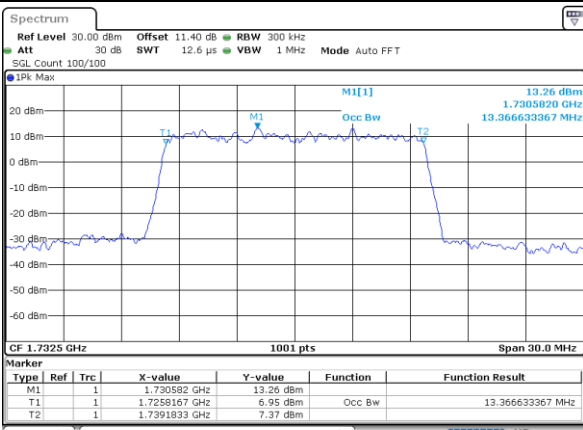
Middle Channel / 5MHz / 64QAM



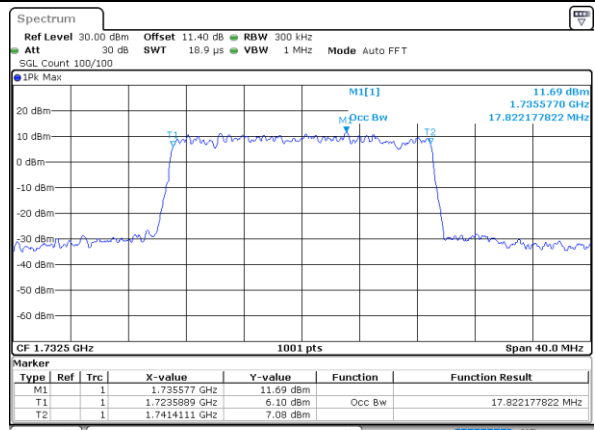
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



Middle Channel / 20MHz / 64QAM

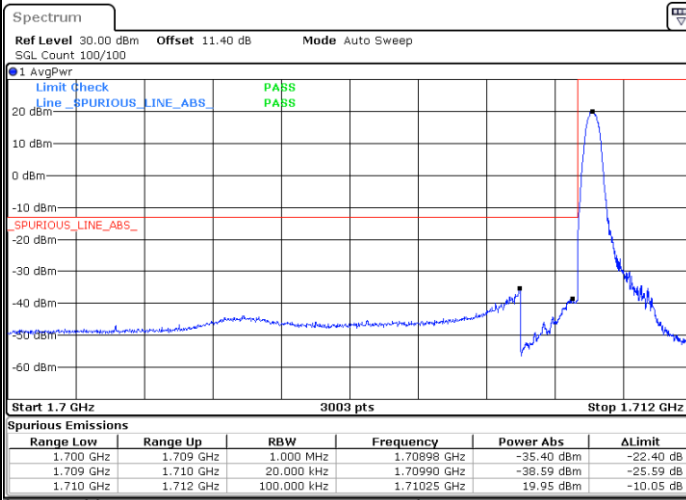




Conducted Band Edge

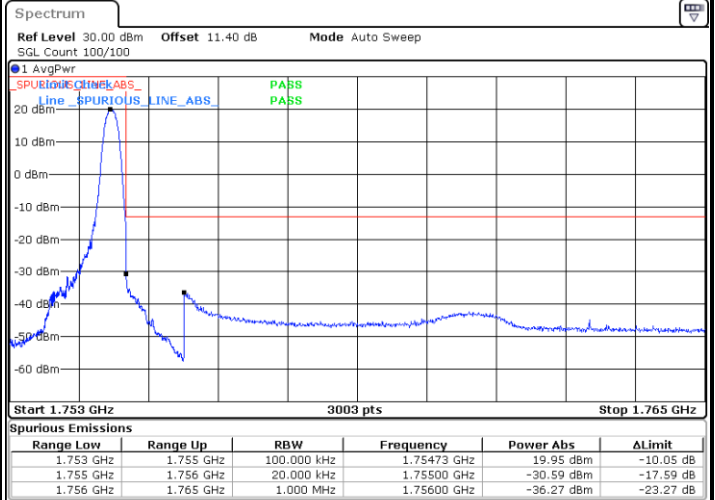
LTE Band 4 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



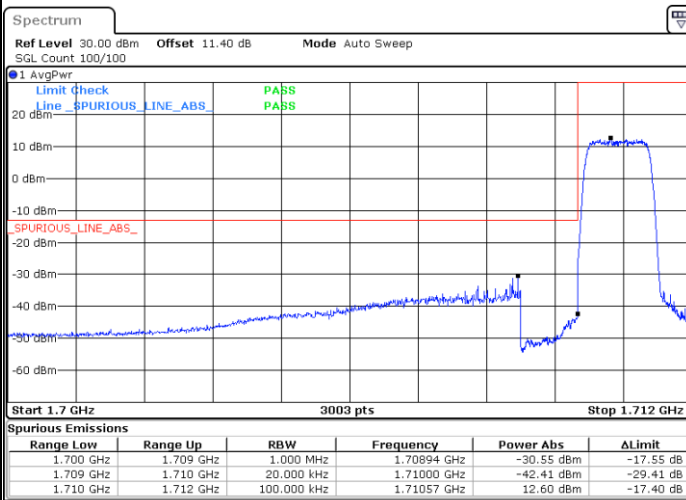
Date: 15.JAN.2022 23:08:25

Highest Band Edge / 1RB



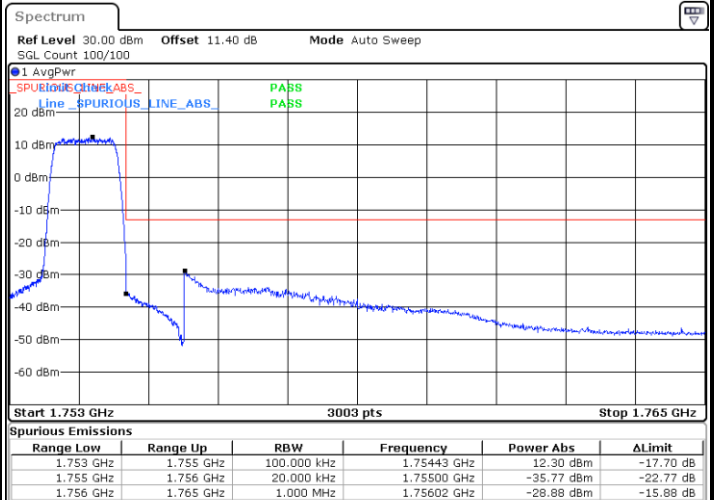
Date: 15.JAN.2022 23:14:10

Lowest Band Edge / Full RB



Date: 15.JAN.2022 23:09:46

Highest Band Edge / Full RB

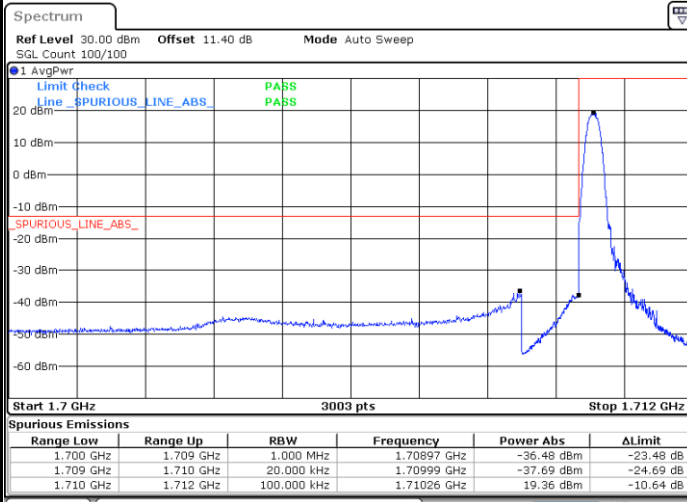


Date: 15.JAN.2022 23:15:31



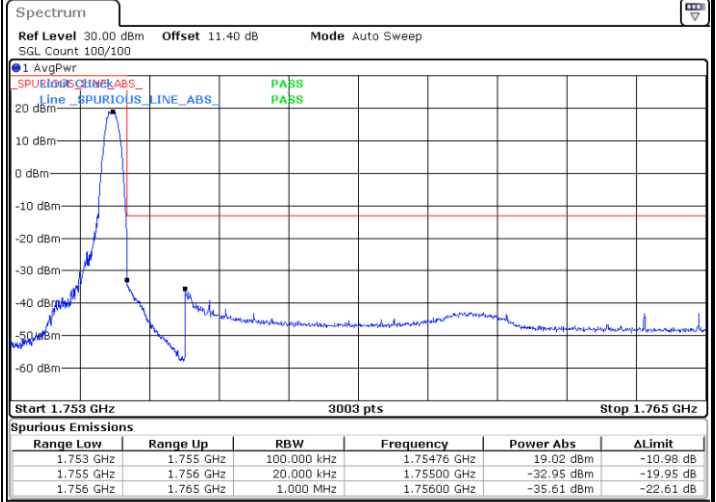
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



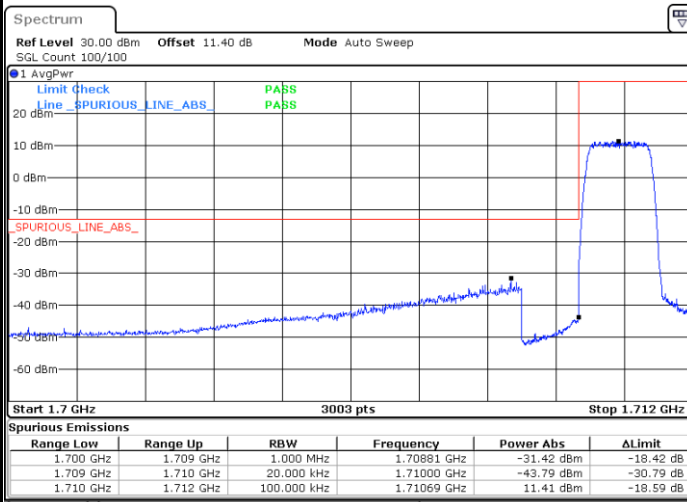
Date: 15.JAN.2022 23:09:05

Highest Band Edge / 1 RB



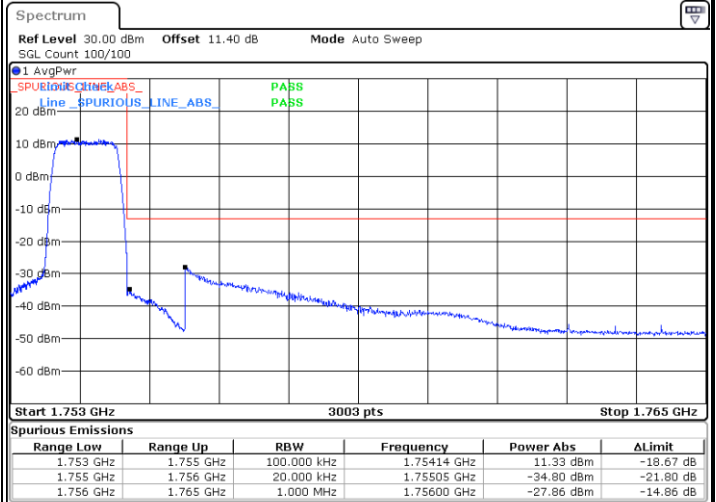
Date: 15.JAN.2022 23:14:51

Lowest Band Edge / Full RB



Date: 15.JAN.2022 23:10:27

Highest Band Edge / Full RB

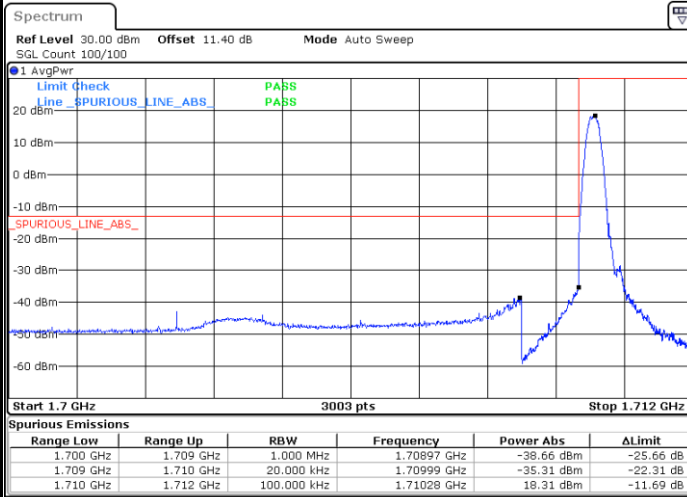


Date: 15.JAN.2022 23:16:12



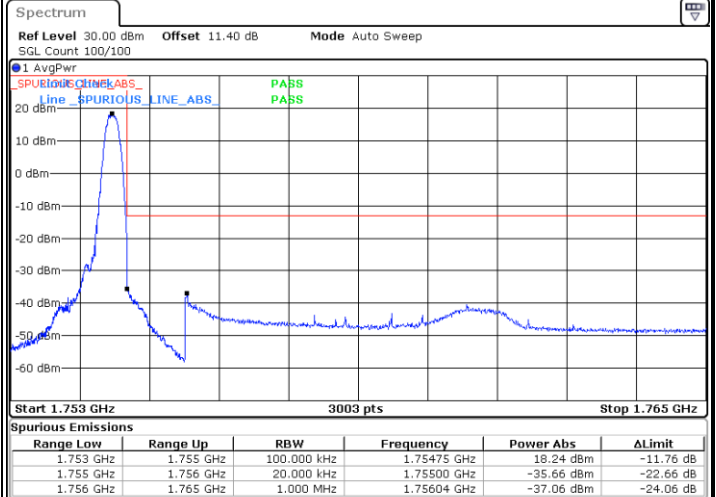
LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



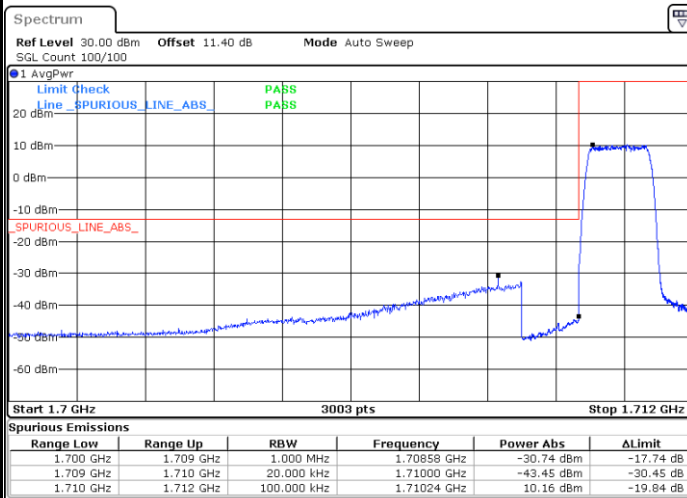
Date: 15.JAN.2022 23:17:43

Highest Band Edge / 1 RB



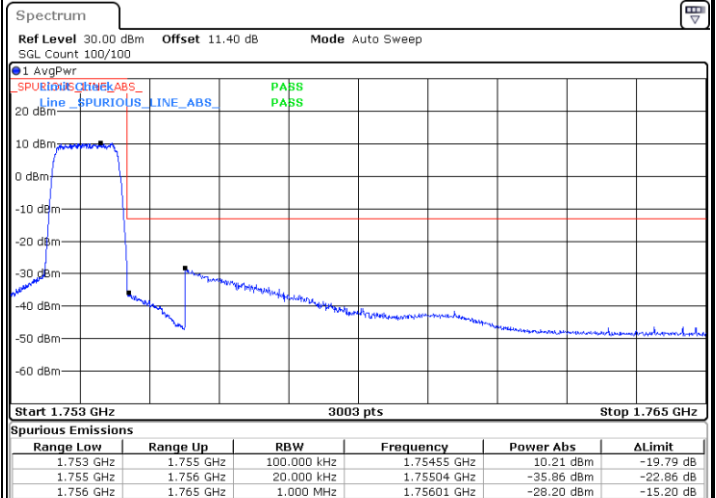
Date: 15.JAN.2022 23:19:46

Lowest Band Edge / Full RB



Date: 15.JAN.2022 23:18:24

Highest Band Edge / Full RB

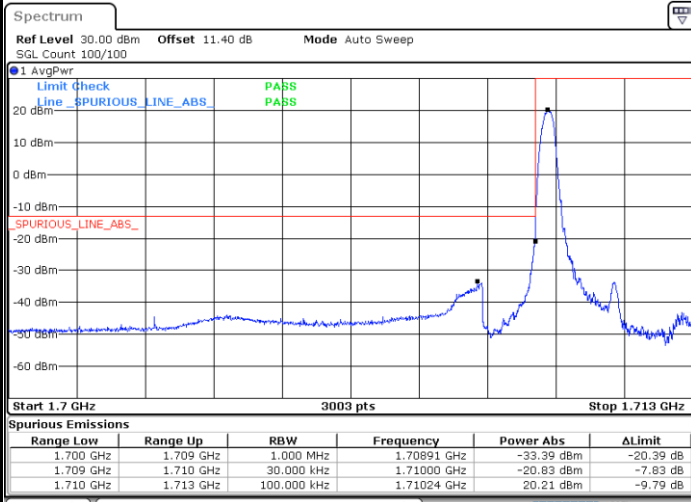


Date: 15.JAN.2022 23:20:26



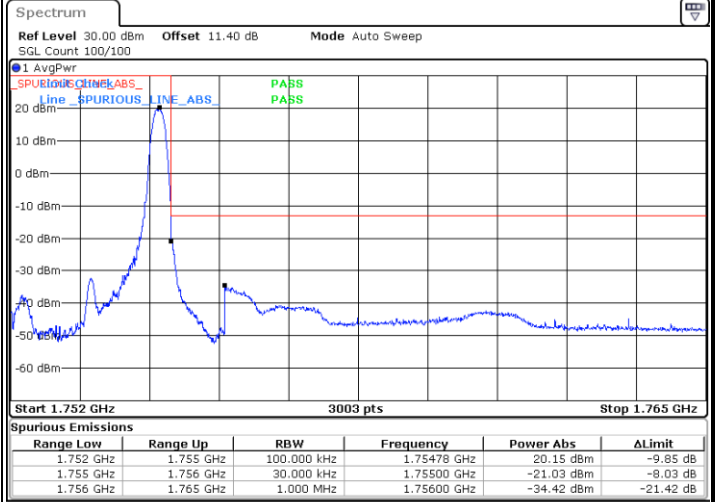
LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



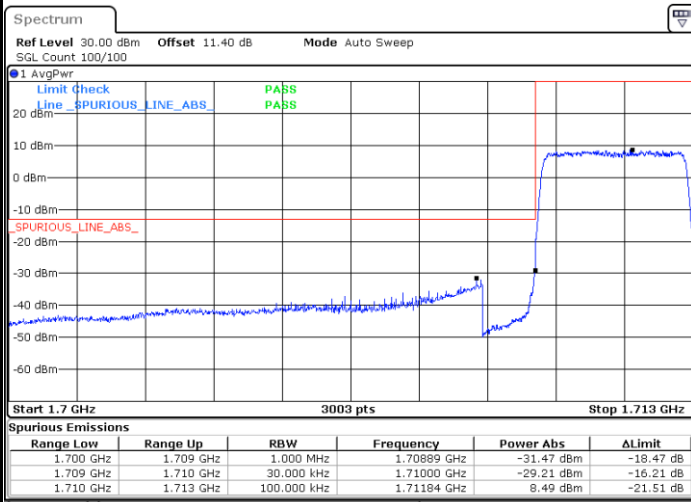
Date: 15.JAN.2022 23:24:07

Highest Band Edge / 1 RB



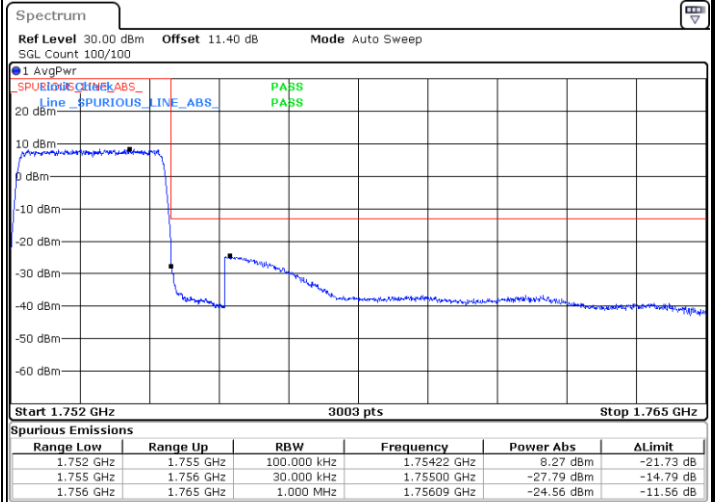
Date: 15.JAN.2022 23:29:53

Lowest Band Edge / Full RB



Date: 15.JAN.2022 23:25:28

Highest Band Edge / Full RB

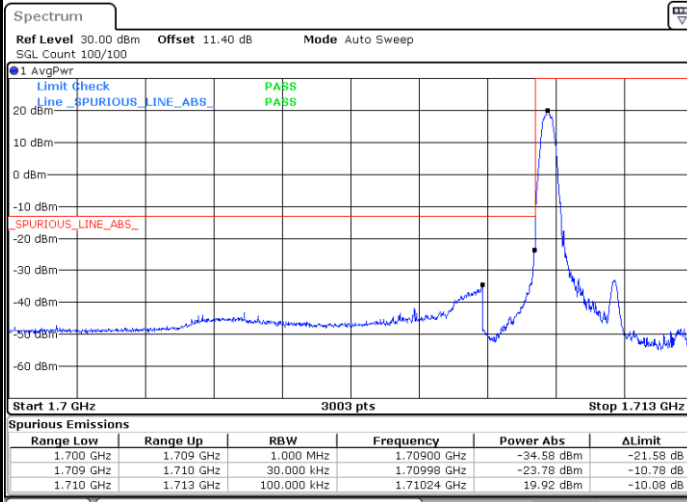


Date: 15.JAN.2022 23:31:14



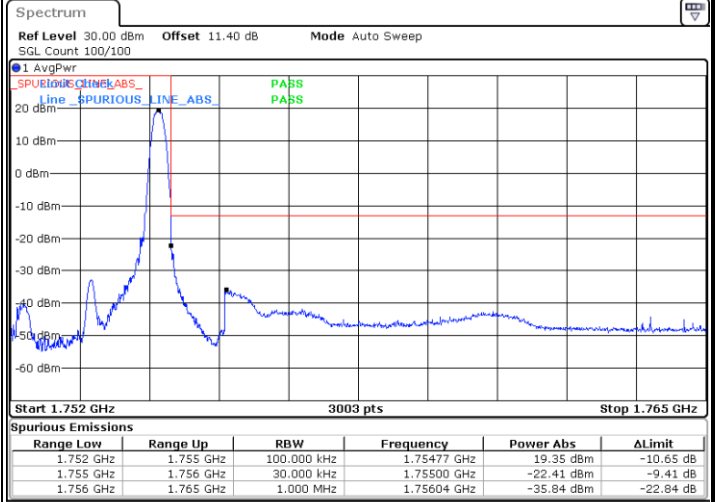
LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



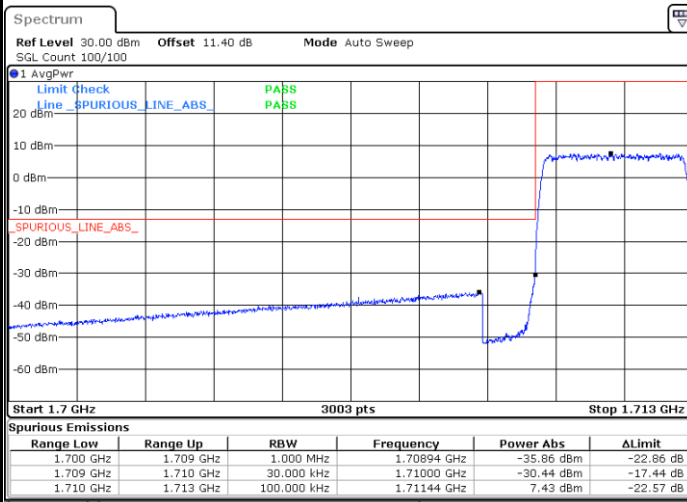
Date: 15.JAN.2022 23:24:48

Highest Band Edge / 1 RB



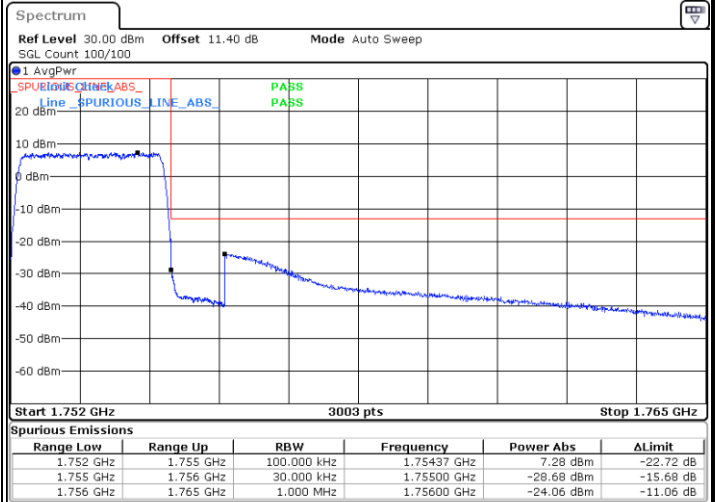
Date: 15.JAN.2022 23:30:33

Lowest Band Edge / Full RB



Date: 15.JAN.2022 23:26:09

Highest Band Edge / Full RB

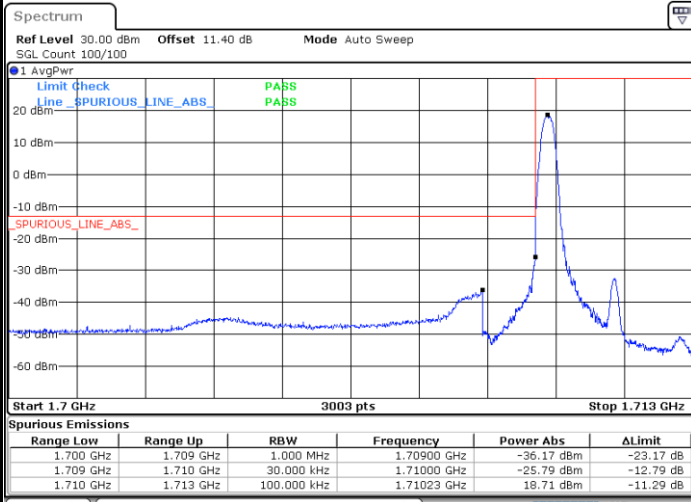


Date: 15.JAN.2022 23:31:54



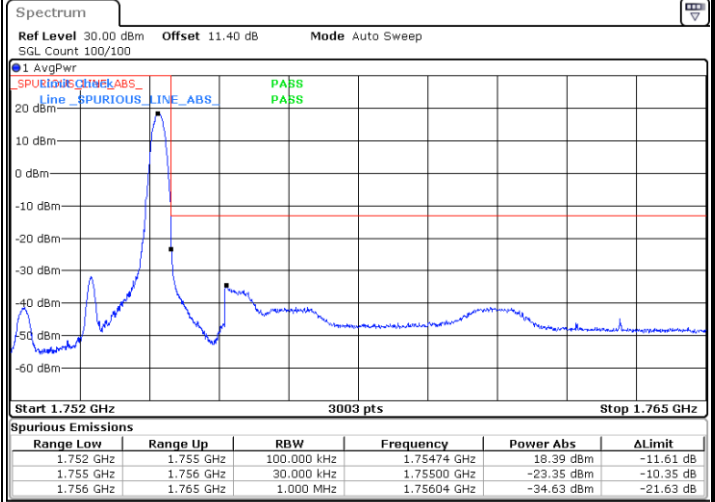
LTE Band 4 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



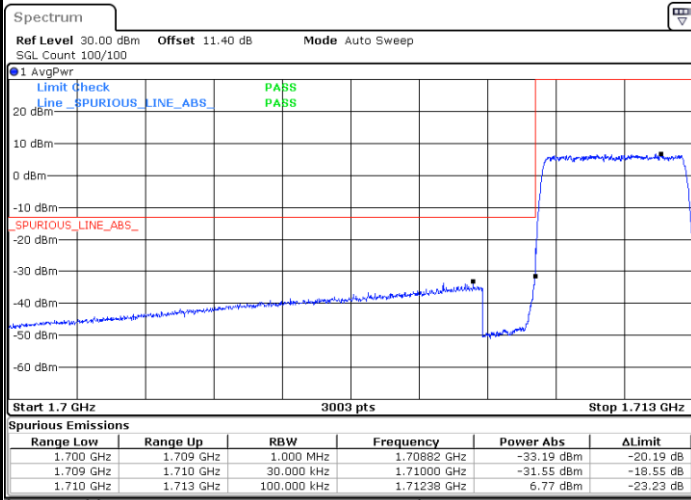
Date: 15.JAN.2022 23:33:25

Highest Band Edge / 1 RB



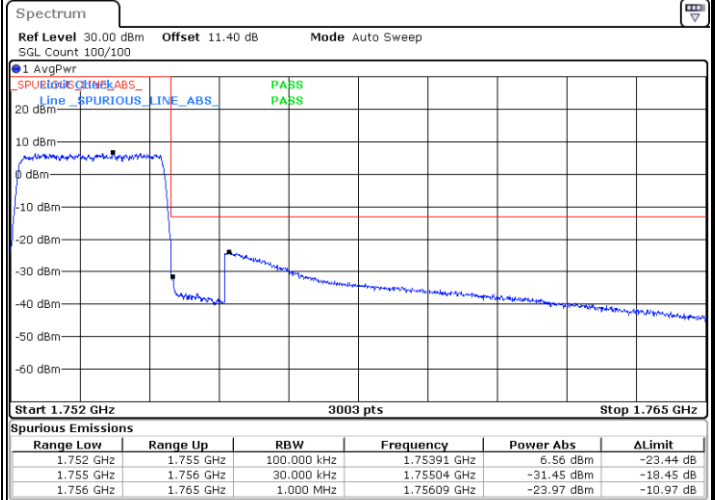
Date: 15.JAN.2022 23:35:28

Lowest Band Edge / Full RB



Date: 15.JAN.2022 23:34:06

Highest Band Edge / Full RB

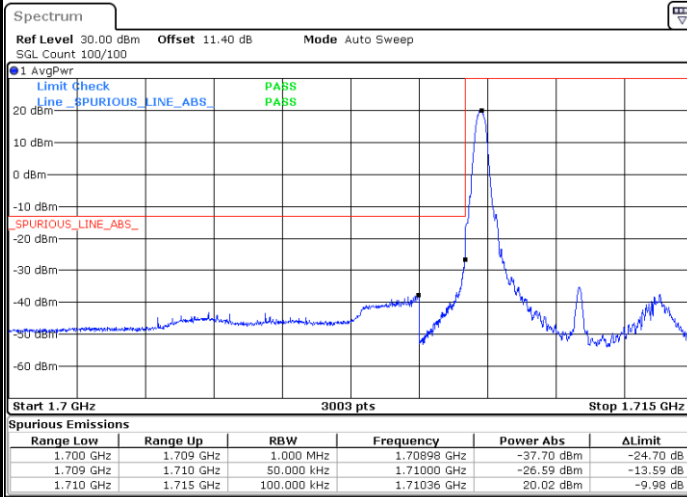


Date: 15.JAN.2022 23:36:08



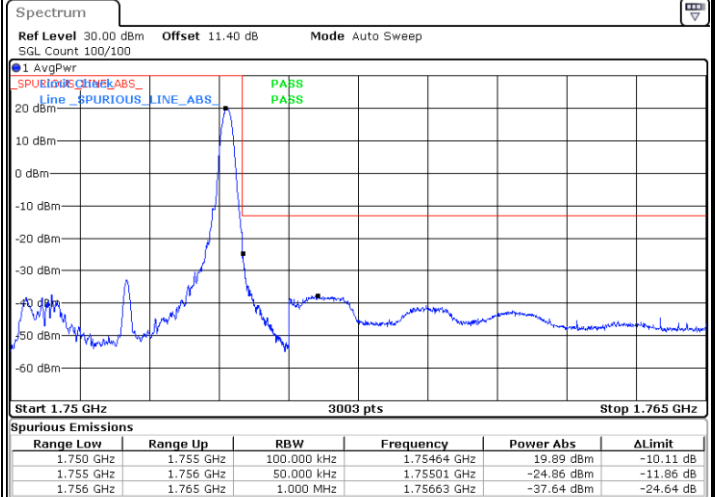
LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB



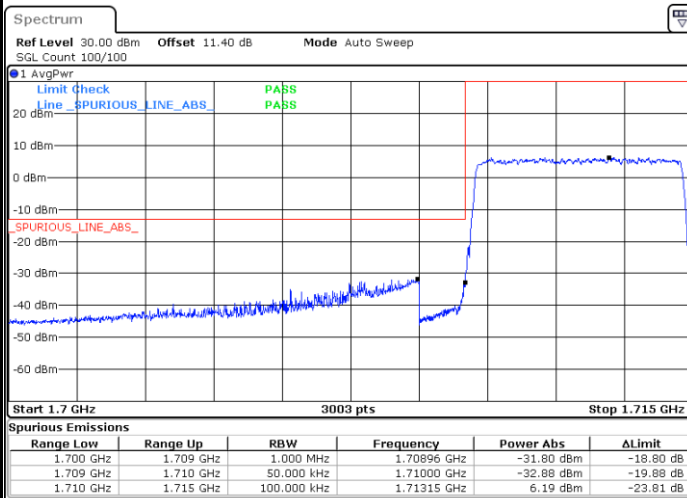
Date: 15.JAN.2022 23:40:13

Highest Band Edge / 1 RB



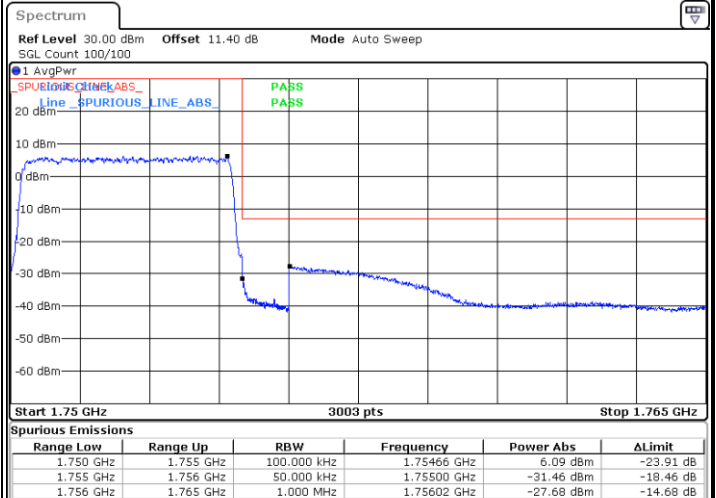
Date: 15.JAN.2022 23:45:58

Lowest Band Edge / Full RB



Date: 15.JAN.2022 23:41:34

Highest Band Edge / Full RB

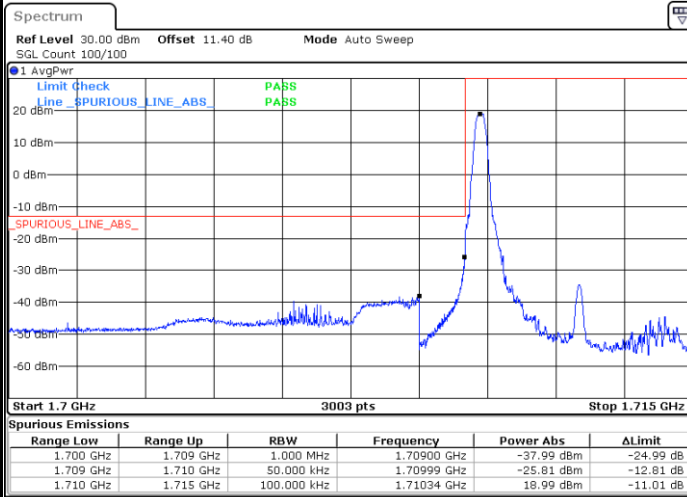


Date: 15.JAN.2022 23:47:19



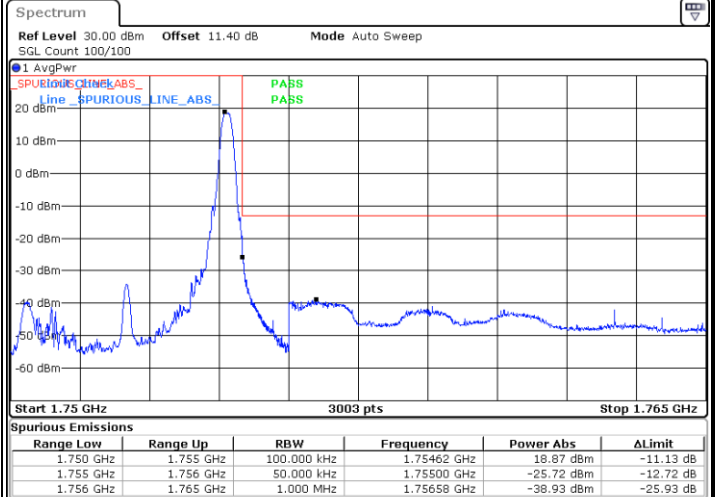
LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB



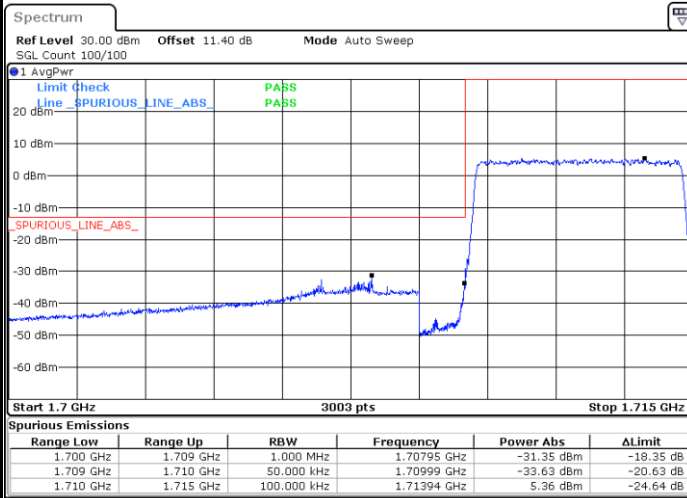
Date: 15.JAN.2022 23:40:53

Highest Band Edge / 1 RB



Date: 15.JAN.2022 23:46:38

Lowest Band Edge / Full RB



Date: 15.JAN.2022 23:42:14

Highest Band Edge / Full RB

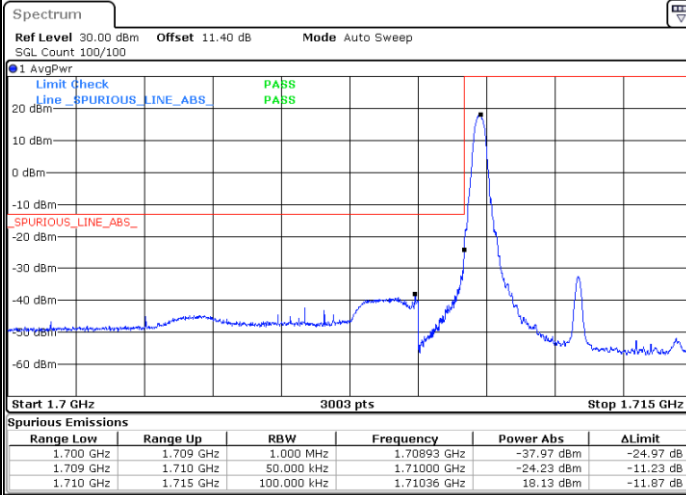


Date: 15.JAN.2022 23:47:59



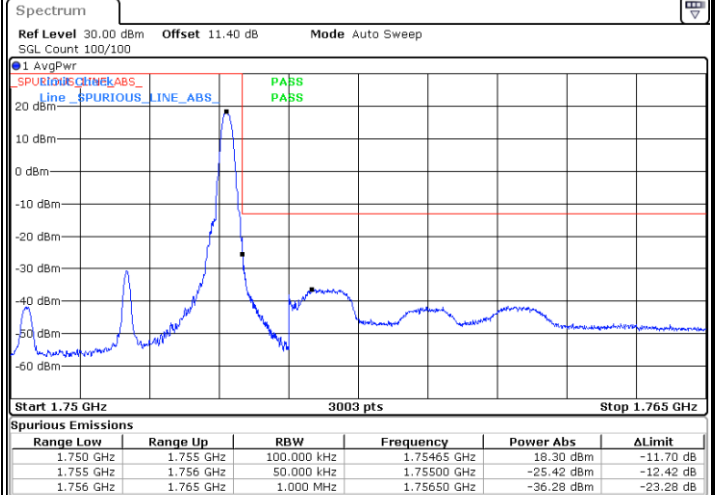
LTE Band 4 / 5MHz / 64QAM

Lowest Band Edge / 1RB



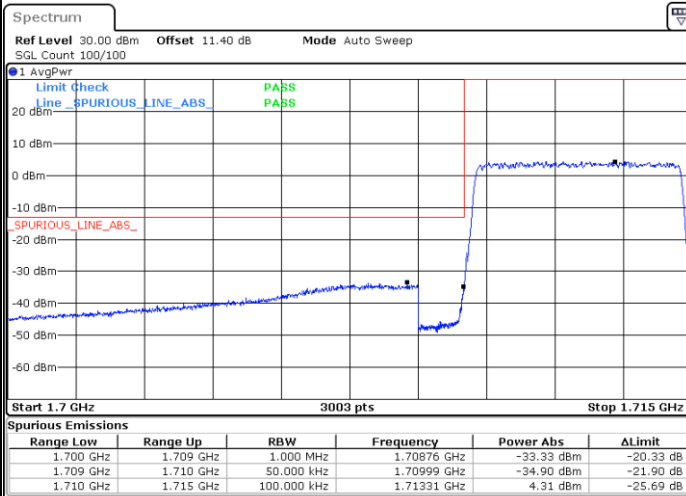
Date: 15.JAN.2022 23:36:49

Highest Band Edge / 1 RB



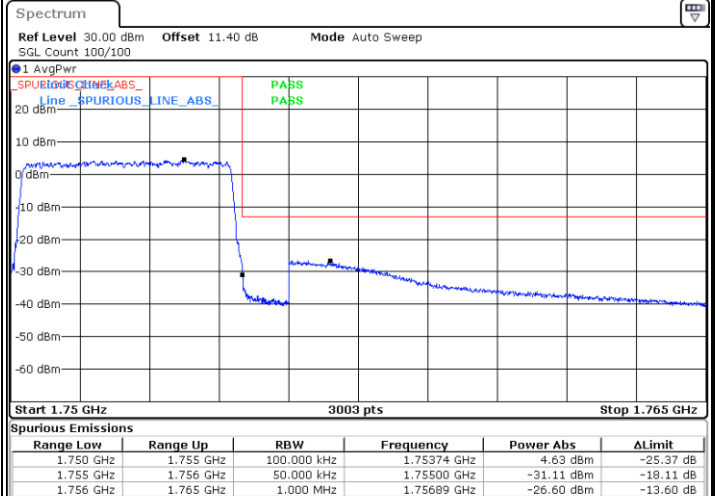
Date: 15.JAN.2022 23:38:52

Lowest Band Edge / Full RB



Date: 15.JAN.2022 23:37:30

Highest Band Edge / Full RB



Date: 15.JAN.2022 23:39:33