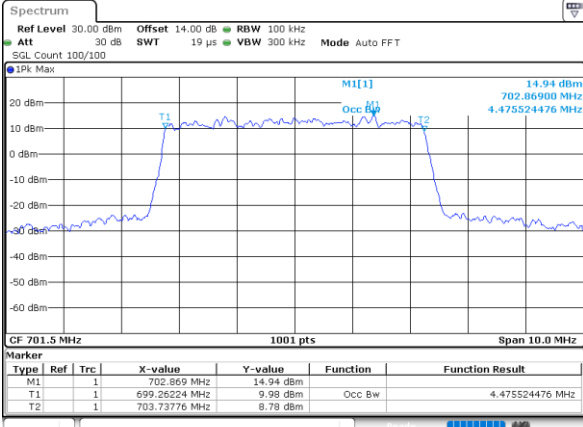




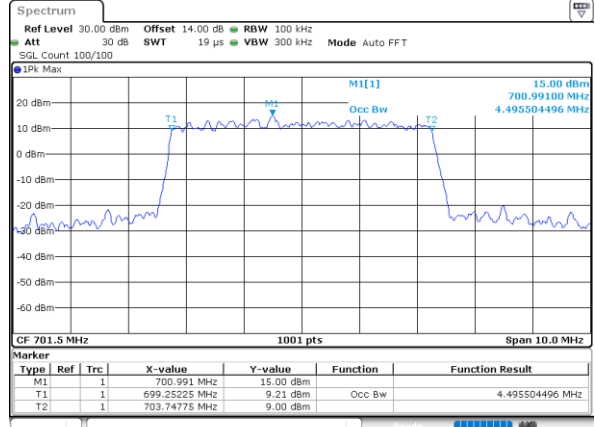
LTE Band 12

Lowest Channel / 5MHz / QPSK



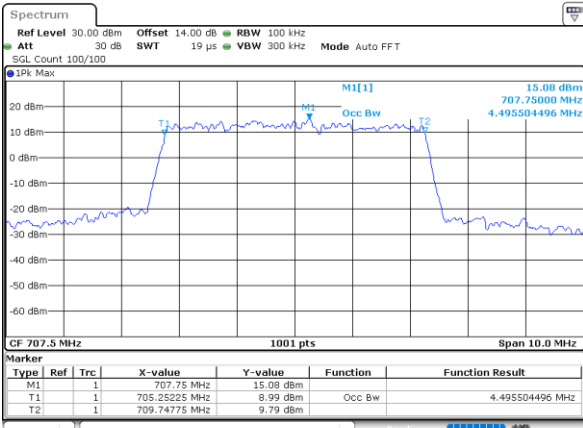
Date: 17_JAN_2023 08:18:56

Lowest Channel / 5MHz / 16QAM



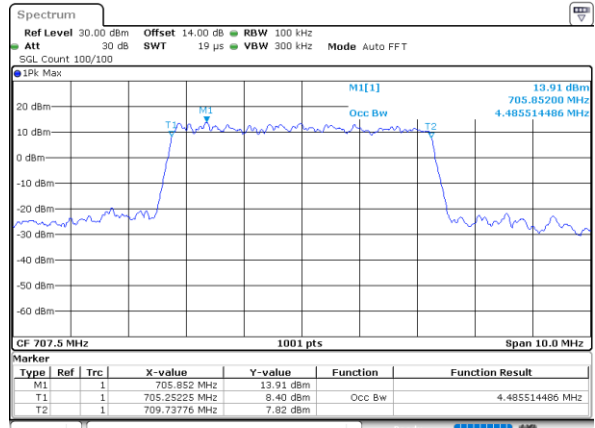
Date: 17_JAN_2023 08:19:17

Middle Channel / 5MHz / QPSK



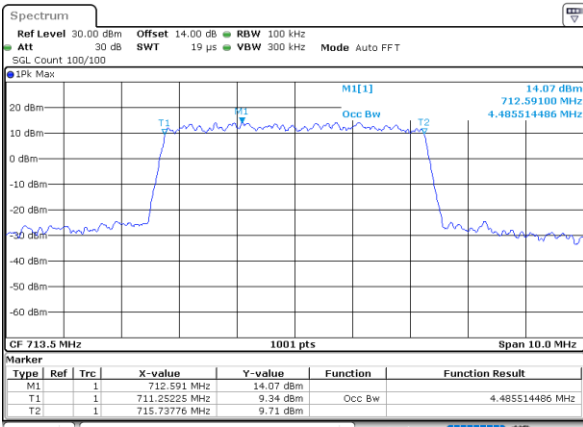
Date: 17_JAN_2023 08:27:40

Middle Channel / 5MHz / 16QAM



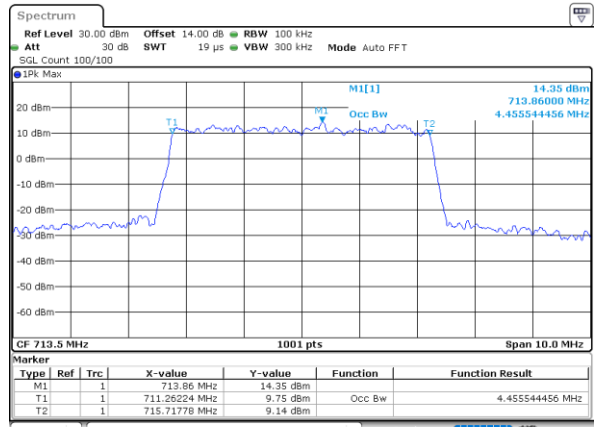
Date: 17_JAN_2023 08:27:19

Highest Channel / 5MHz / QPSK



Date: 17_JAN_2023 08:31:03

Highest Channel / 5MHz / 16QAM

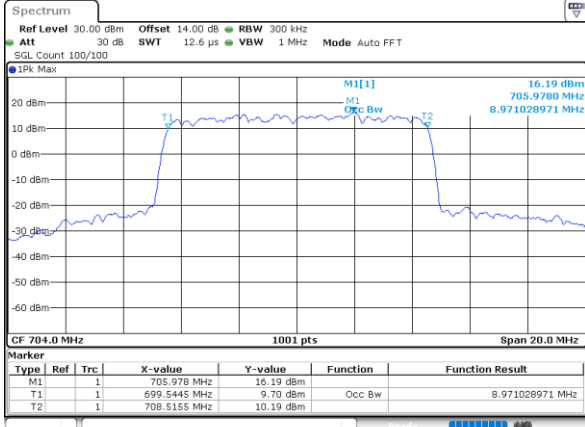


Date: 17_JAN_2023 08:31:24



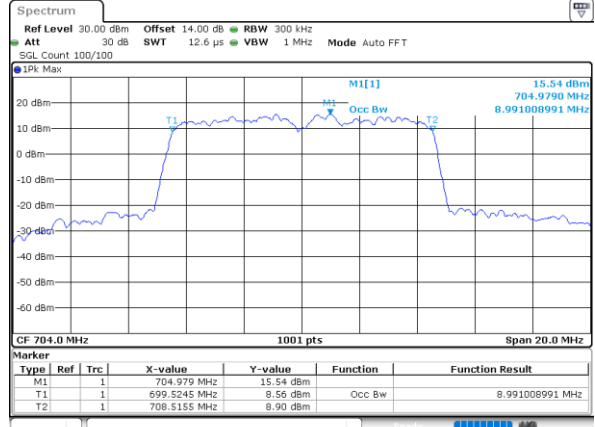
LTE Band 12

Lowest Channel / 10MHz / QPSK



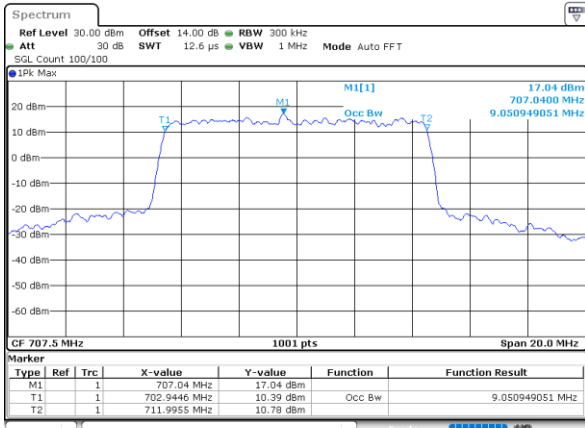
Date: 17_JAN_2023 08:39:30

Lowest Channel / 10MHz / 16QAM



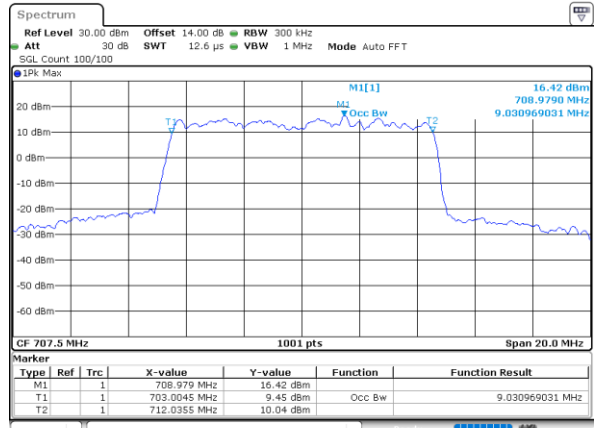
Date: 17_JAN_2023 08:39:51

Middle Channel / 10MHz / QPSK



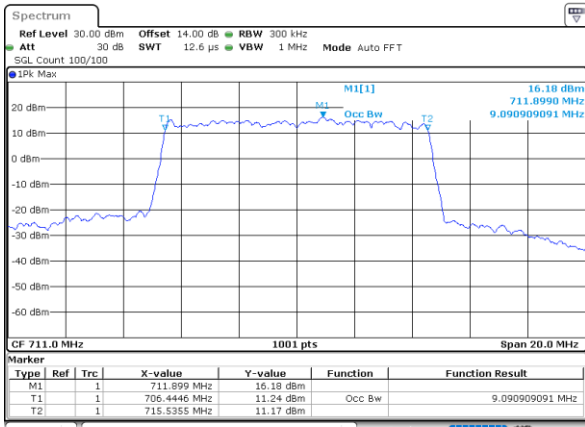
Date: 17_JAN_2023 08:48:15

Middle Channel / 10MHz / 16QAM



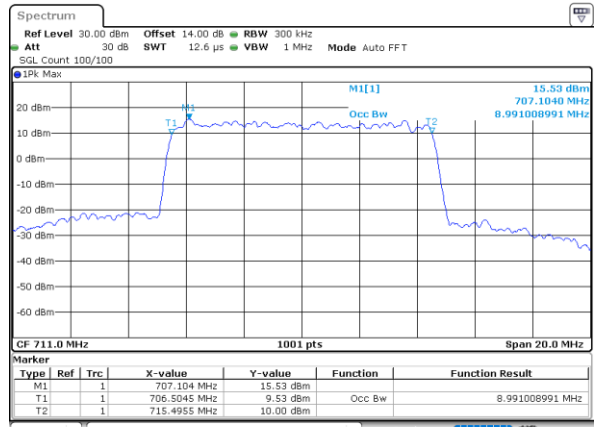
Date: 17_JAN_2023 08:47:54

Highest Channel / 10MHz / QPSK



Date: 17_JAN_2023 08:51:37

Highest Channel / 10MHz / 16QAM

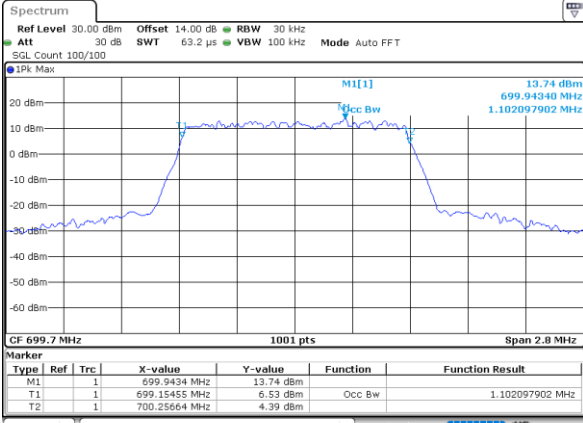


Date: 17_JAN_2023 08:51:59



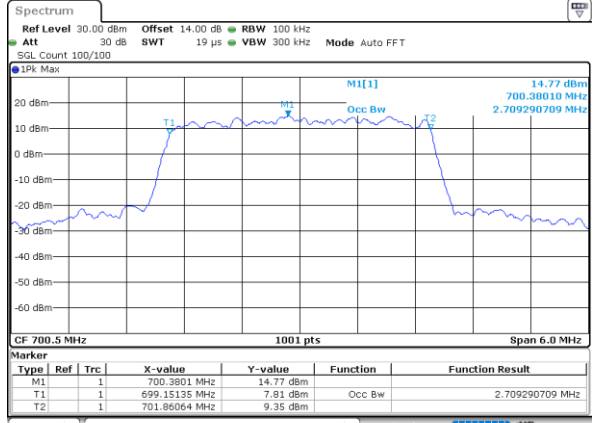
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



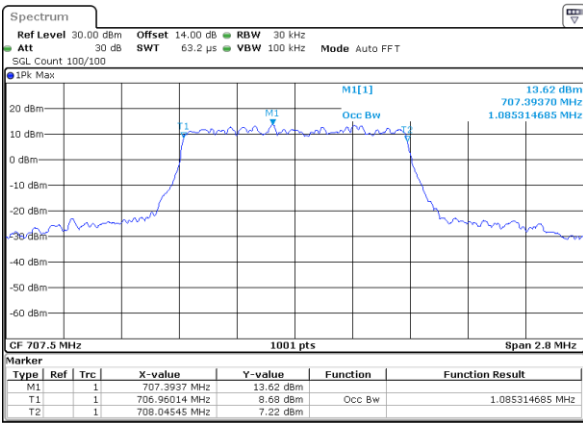
Date: 17_JAN_2023 09:34:28

Lowest Channel / 3MHz / 64QAM



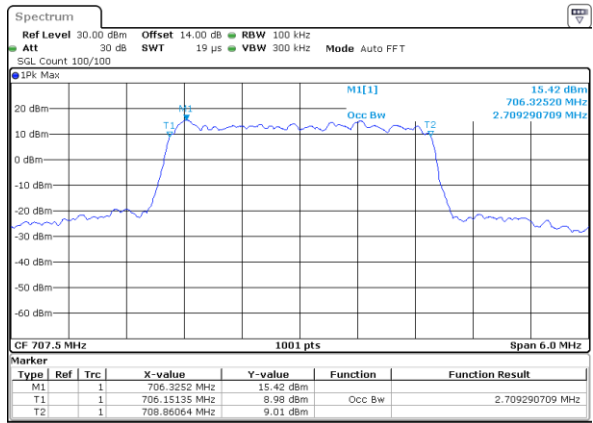
Date: 17_JAN_2023 07:58:22

Middle Channel / 1.4MHz / 64QAM



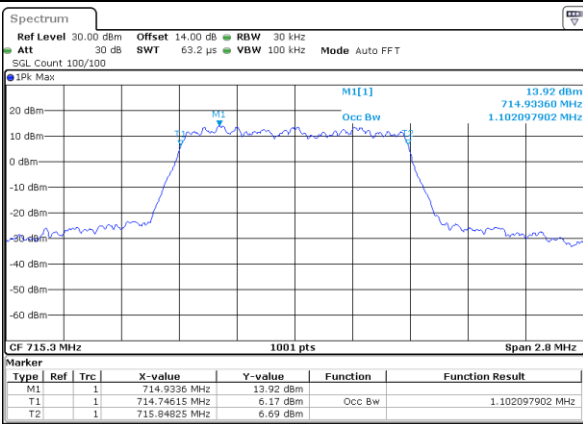
Date: 17_JAN_2023 09:38:40

Middle Channel / 3MHz / 64QAM



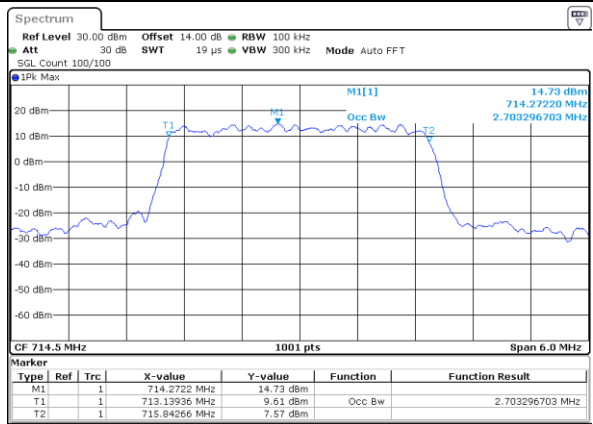
Date: 17_JAN_2023 08:02:34

Highest Channel / 1.4MHz / 64QAM



Date: 17_JAN_2023 09:40:31

Highest Channel / 3MHz / 64QAM

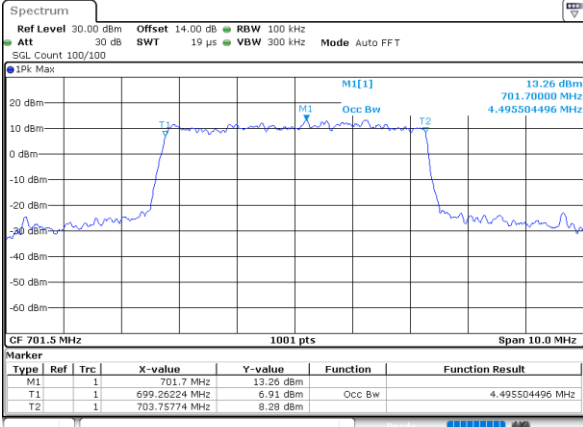


Date: 17_JAN_2023 08:04:27



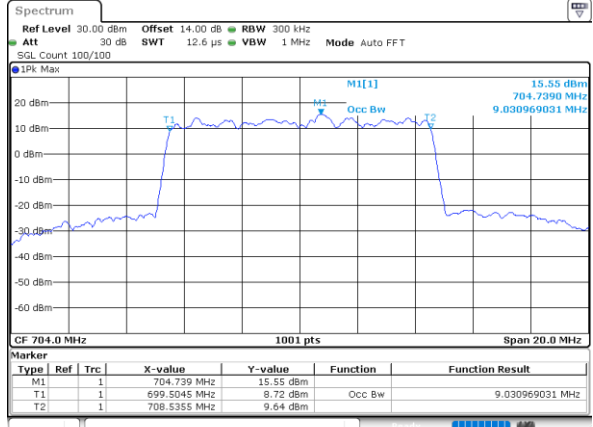
LTE Band 12

Lowest Channel / 5MHz / 64QAM



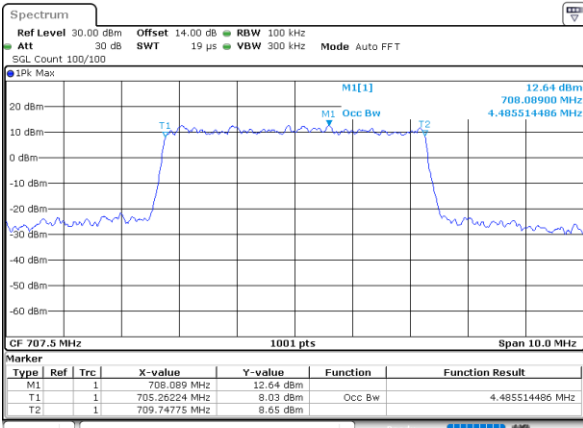
Date: 17_JAN_2023 09:08:39

Lowest Channel / 10MHz / 64QAM



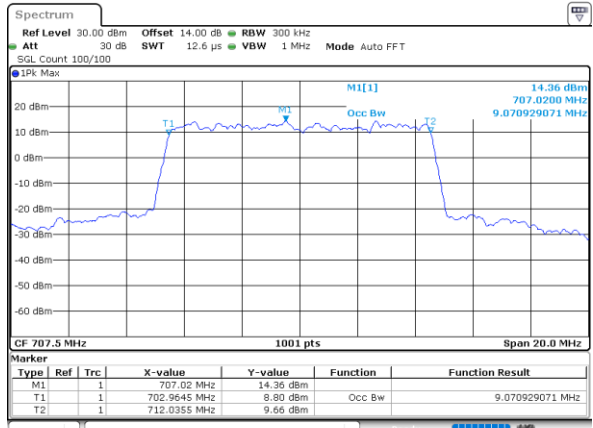
Date: 17_JAN_2023 09:10:41

Middle Channel / 5MHz / 64QAM



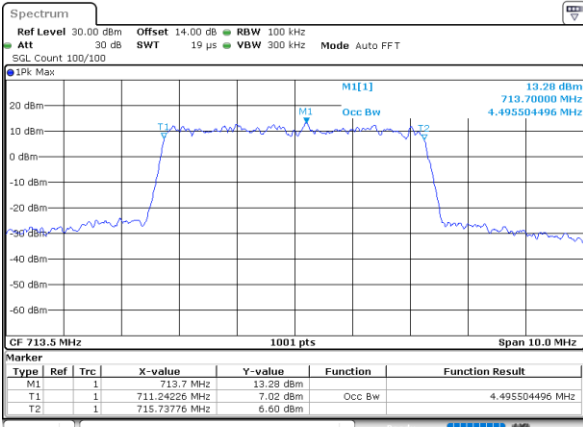
Date: 17_JAN_2023 09:12:51

Middle Channel / 10MHz / 64QAM



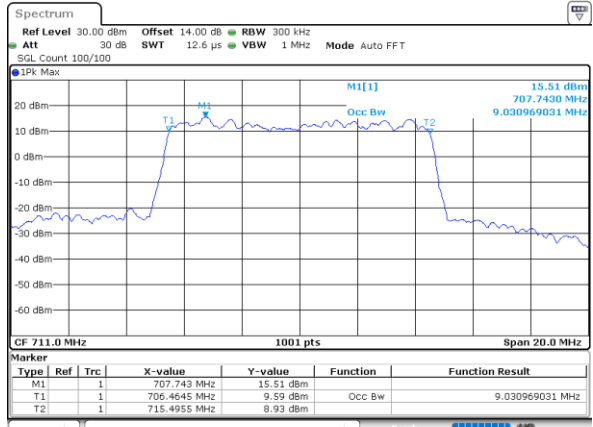
Date: 17_JAN_2023 09:17:53

Highest Channel / 5MHz / 64QAM



Date: 17_JAN_2023 09:14:43

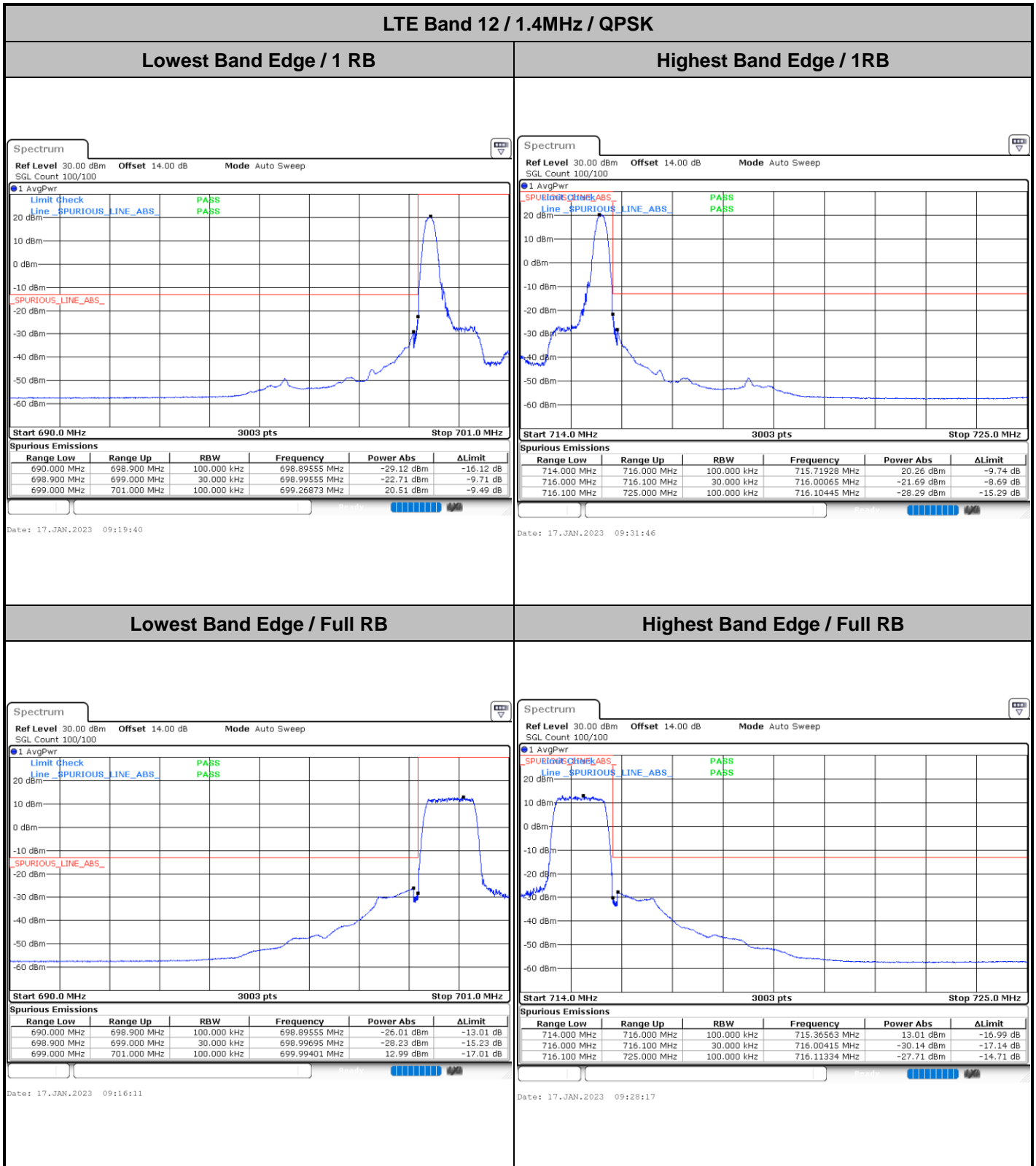
Highest Channel / 10MHz / 64QAM



Date: 17_JAN_2023 09:19:44



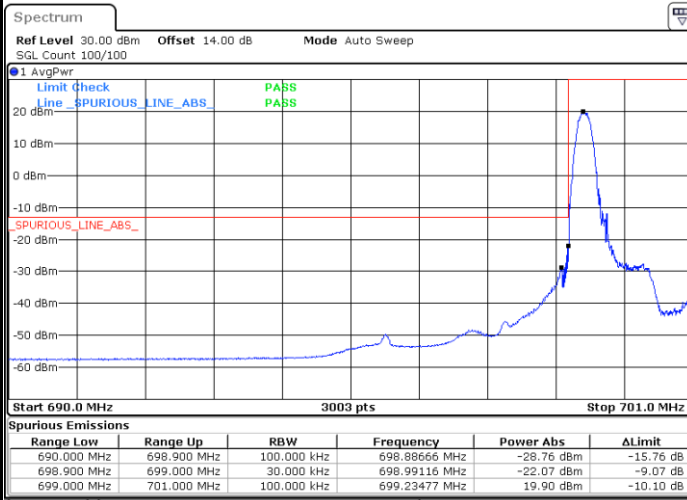
Conducted Band Edge





LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



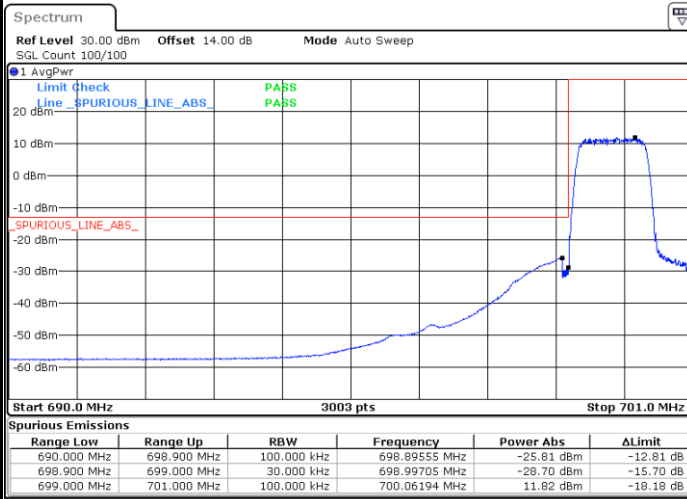
Date: 17.JAN.2023 09:18:30

Highest Band Edge / 1 RB



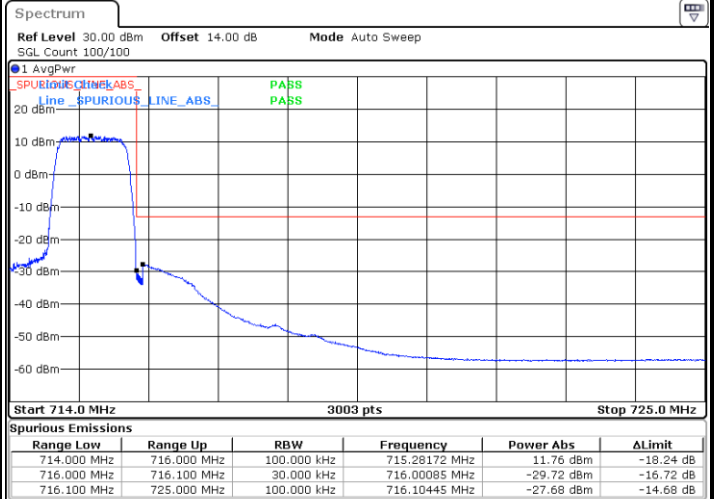
Date: 17.JAN.2023 09:30:36

Lowest Band Edge / Full RB



Date: 17.JAN.2023 09:17:21

Highest Band Edge / Full RB

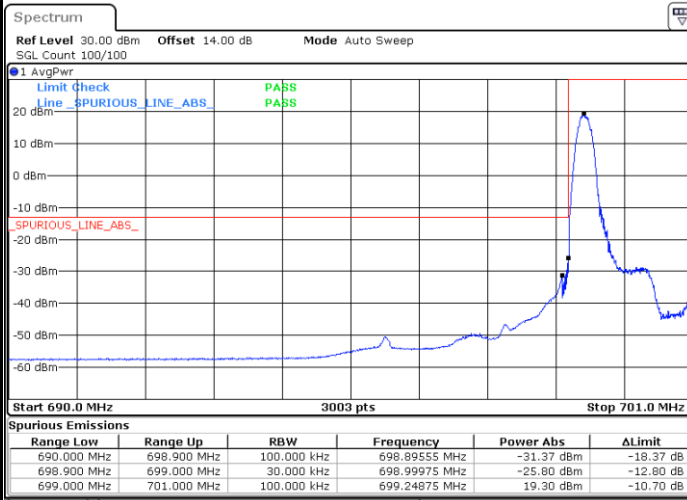


Date: 17.JAN.2023 09:29:27



LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



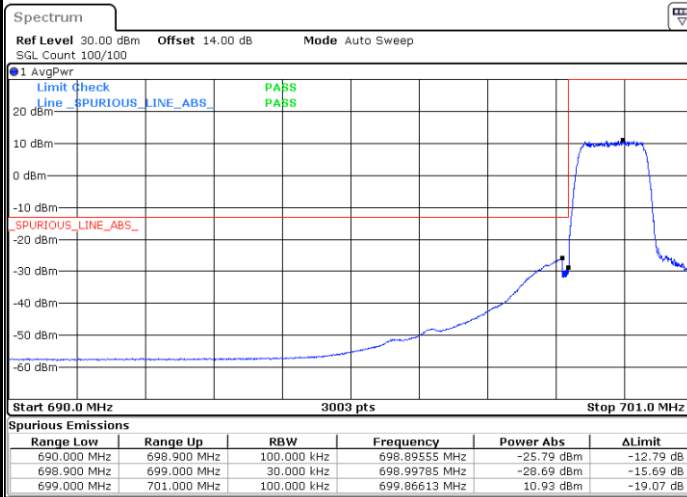
Date: 17. JAN. 2023 09:37:09

Highest Band Edge / 1 RB



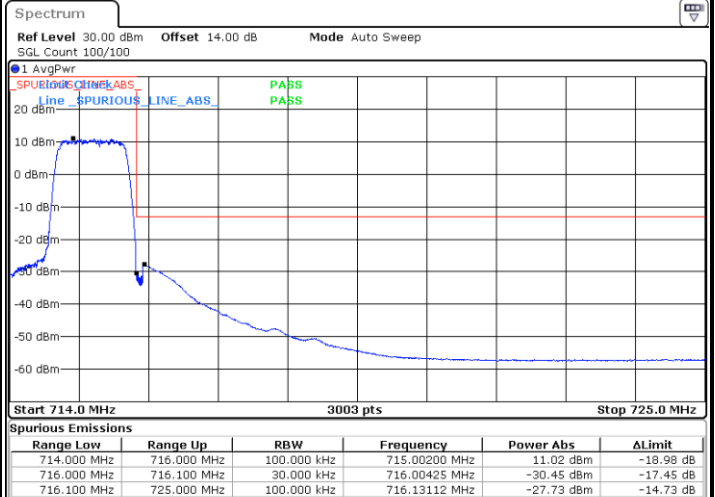
Date: 17. JAN. 2023 09:43:12

Lowest Band Edge / Full RB



Date: 17. JAN. 2023 09:35:59

Highest Band Edge / Full RB

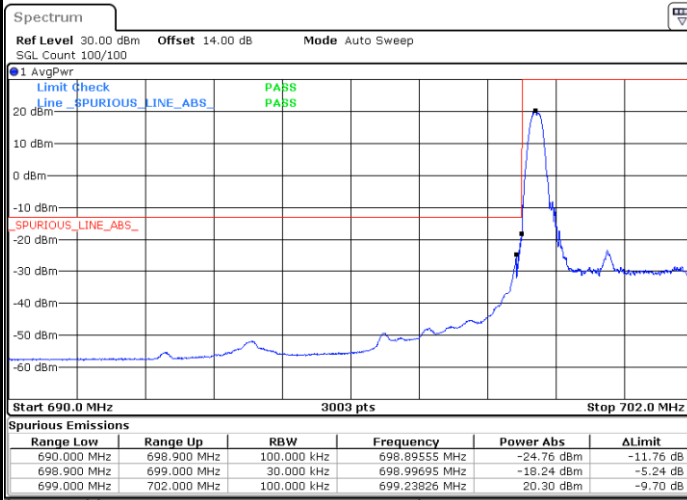


Date: 17. JAN. 2023 09:42:03



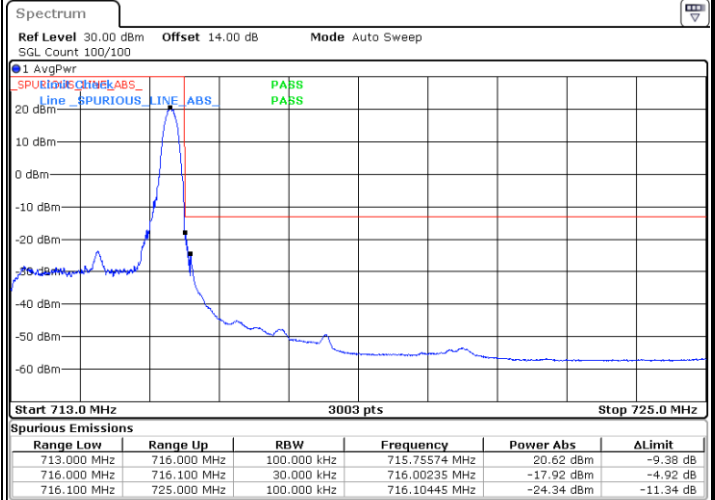
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



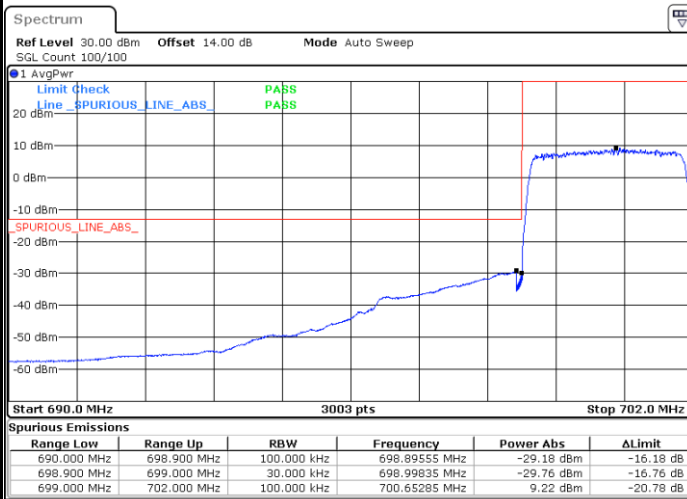
Date: 17.JAN.2023 07:43:34

Highest Band Edge / 1 RB



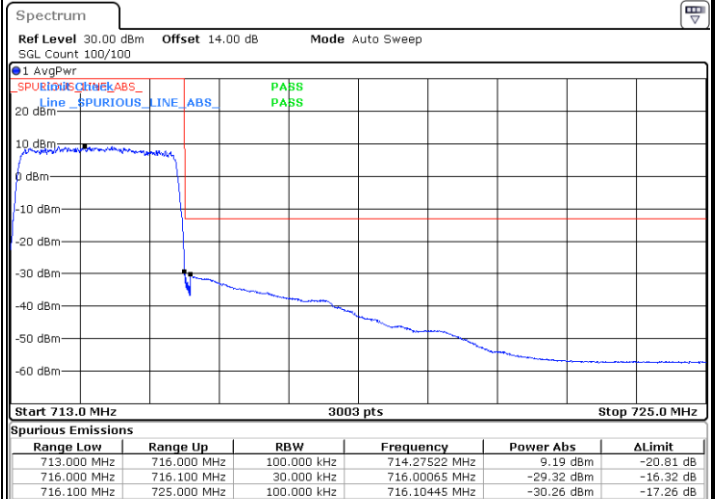
Date: 17.JAN.2023 07:55:41

Lowest Band Edge / Full RB



Date: 17.JAN.2023 07:40:05

Highest Band Edge / Full RB



Date: 17.JAN.2023 07:52:12



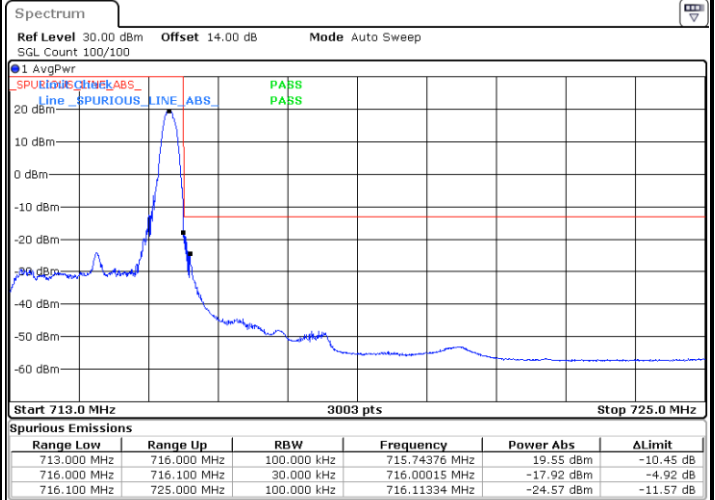
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



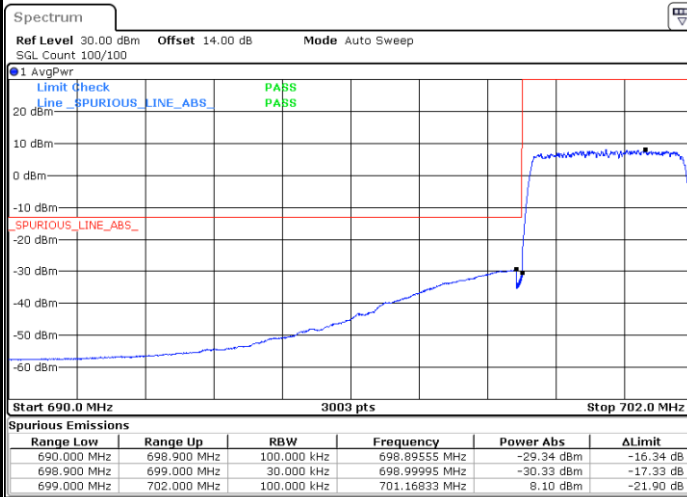
Date: 17.JAN.2023 07:42:25

Highest Band Edge / 1 RB



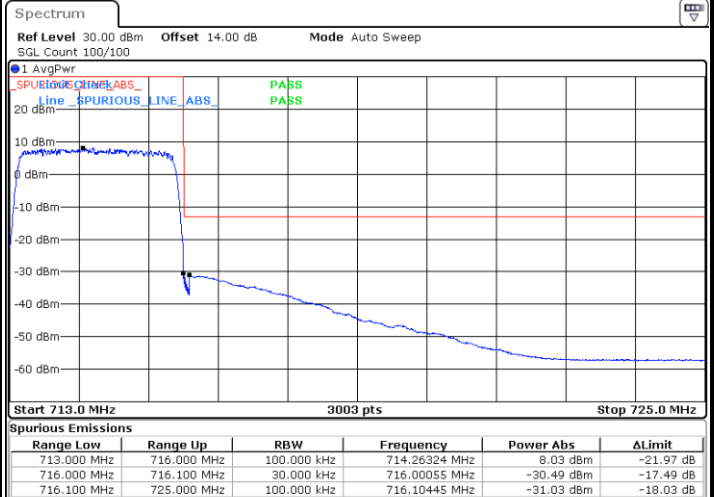
Date: 17.JAN.2023 07:54:31

Lowest Band Edge / Full RB



Date: 17.JAN.2023 07:41:15

Highest Band Edge / Full RB

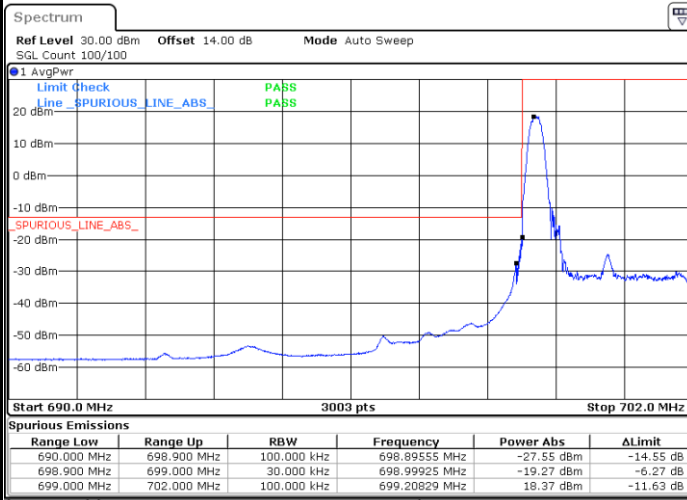


Date: 17.JAN.2023 07:53:22



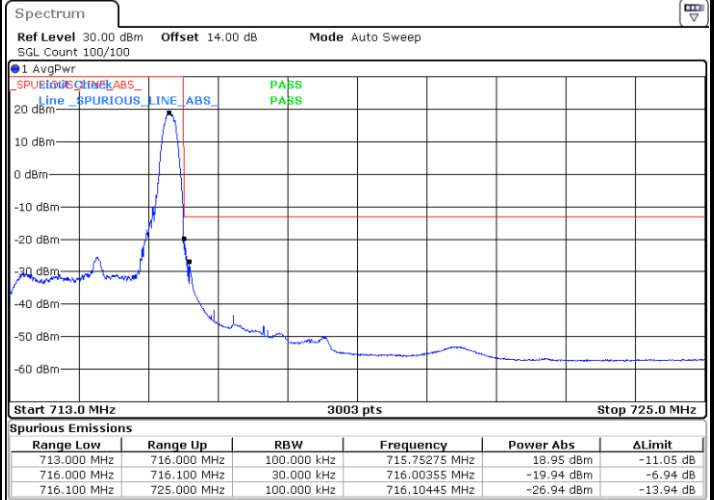
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



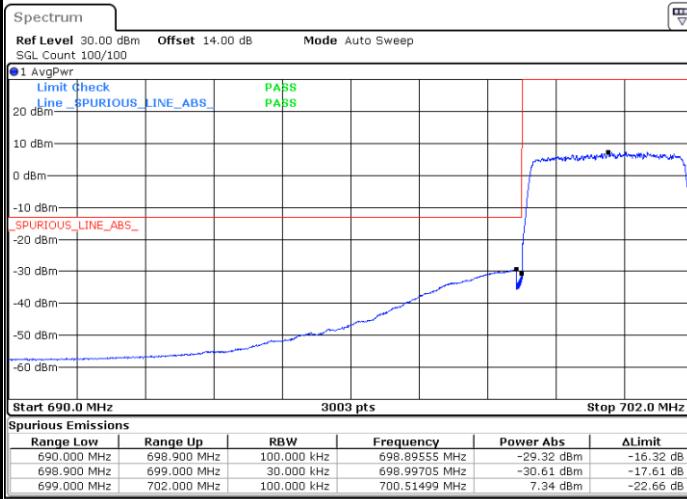
Date: 17.JAN.2023 08:01:03

Highest Band Edge / 1 RB



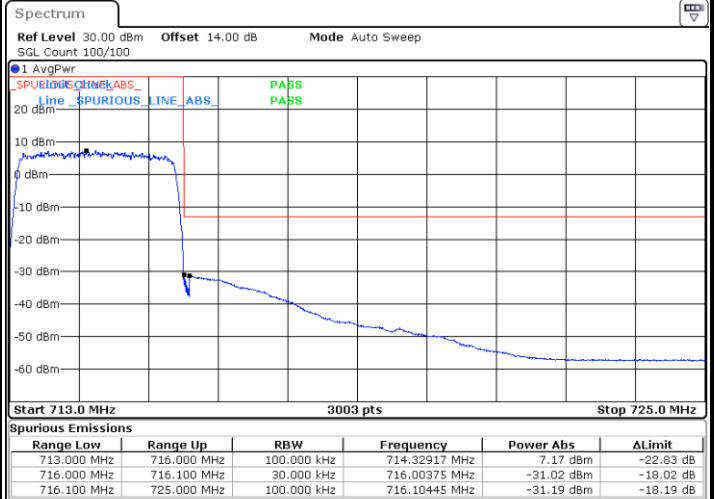
Date: 17.JAN.2023 08:07:08

Lowest Band Edge / Full RB



Date: 17.JAN.2023 07:59:54

Highest Band Edge / Full RB

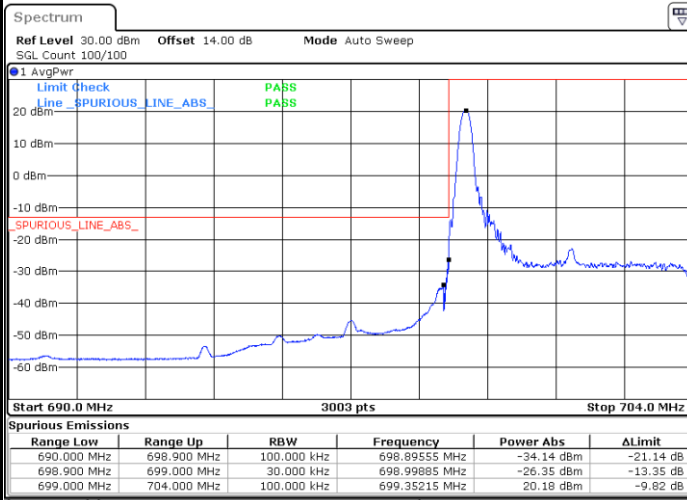


Date: 17.JAN.2023 08:05:58



LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



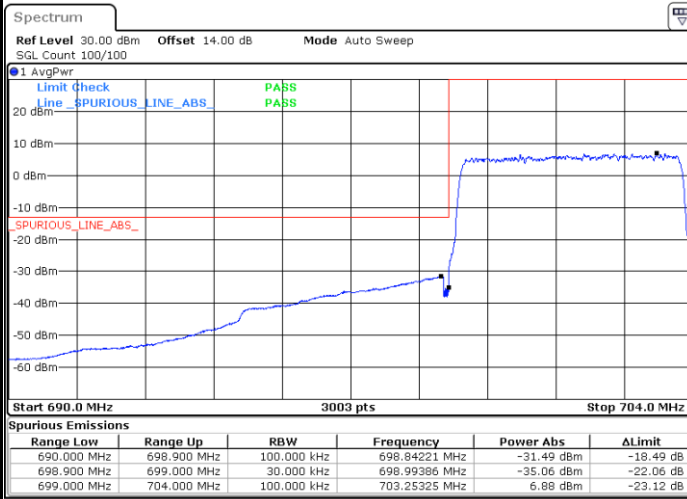
Date: 17.JAN.2023 08:24:39

Highest Band Edge / 1 RB



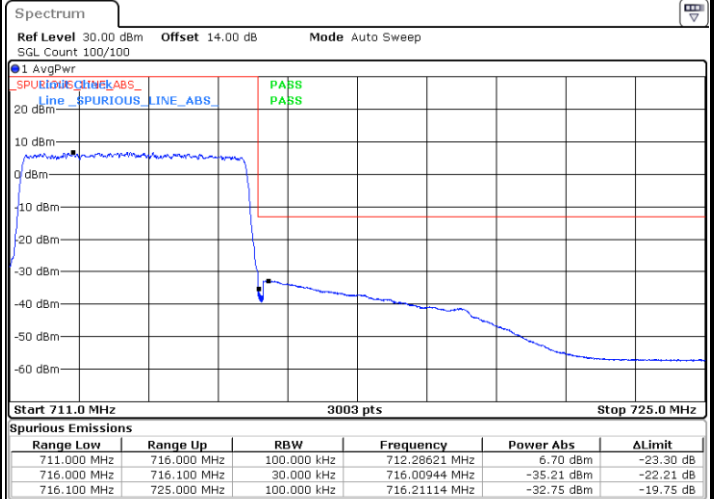
Date: 17.JAN.2023 08:35:38

Lowest Band Edge / Full RB



Date: 17.JAN.2023 08:21:10

Highest Band Edge / Full RB

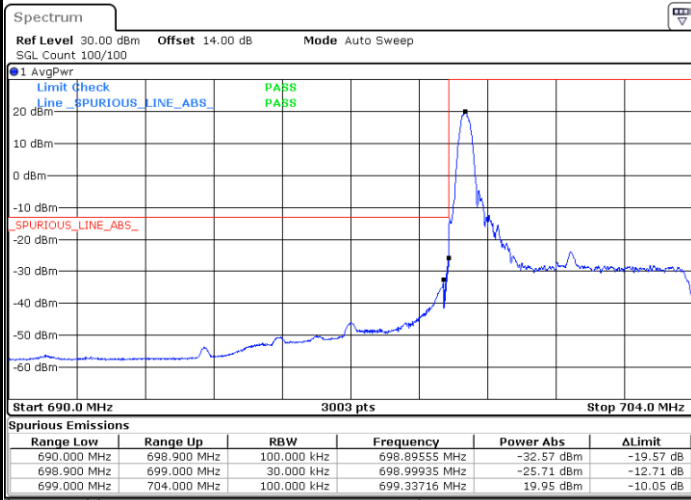


Date: 17.JAN.2023 08:33:18



LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



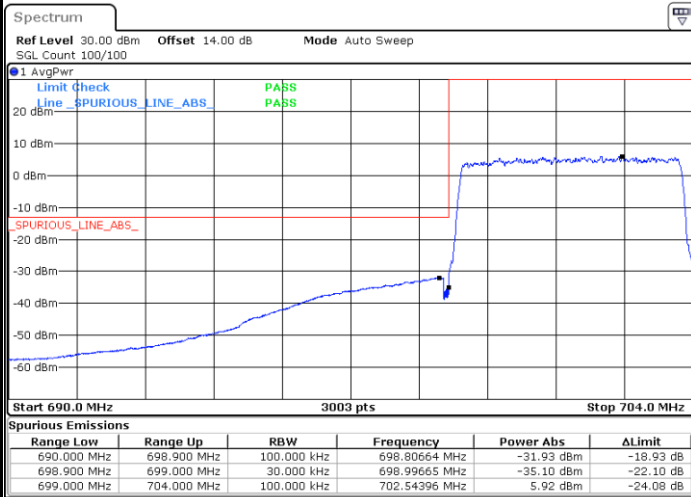
Date: 17.JAN.2023 08:23:29

Highest Band Edge / 1 RB



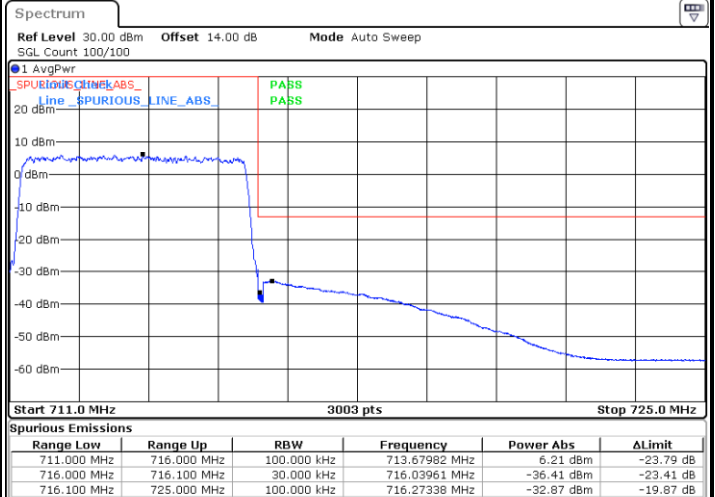
Date: 17.JAN.2023 08:36:48

Lowest Band Edge / Full RB



Date: 17.JAN.2023 08:22:20

Highest Band Edge / Full RB

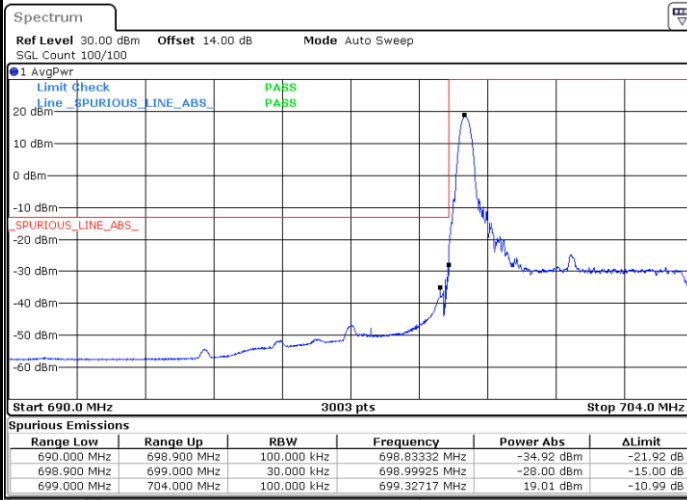


Date: 17.JAN.2023 08:34:28



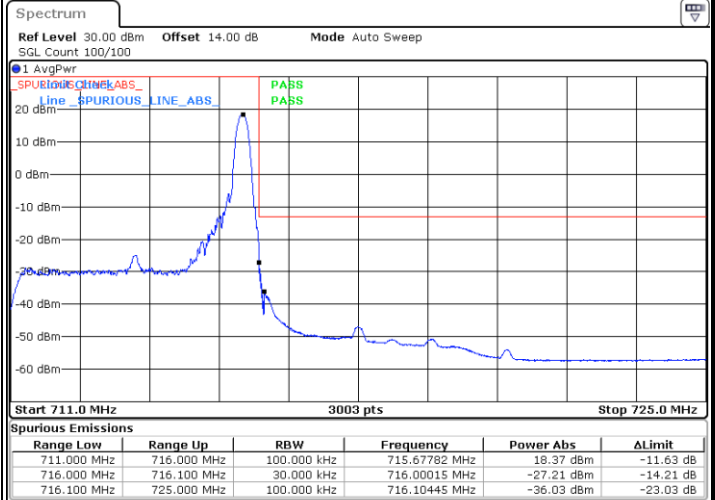
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



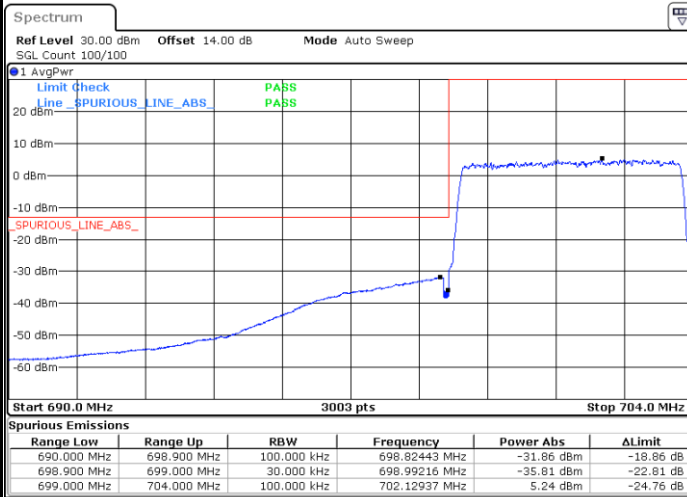
Date: 17.JAN.2023 08:11:20

Highest Band Edge / 1 RB



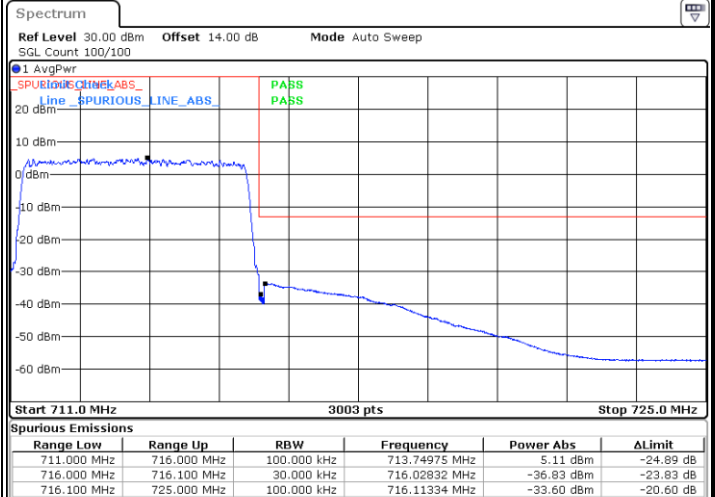
Date: 17.JAN.2023 08:17:24

Lowest Band Edge / Full RB



Date: 17.JAN.2023 08:10:11

Highest Band Edge / Full RB

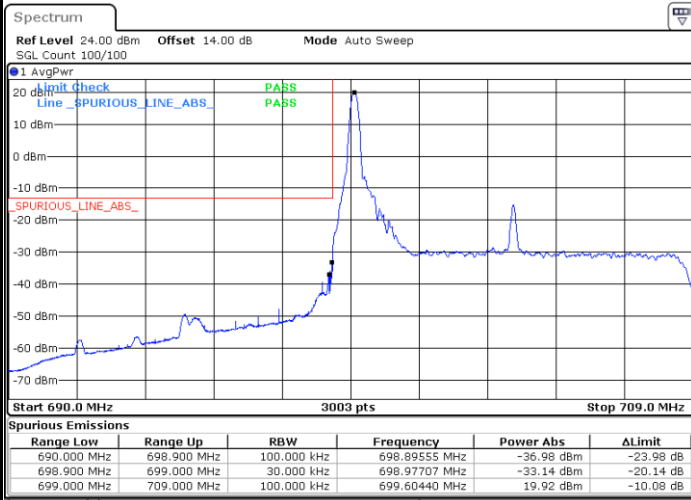


Date: 17.JAN.2023 08:16:14



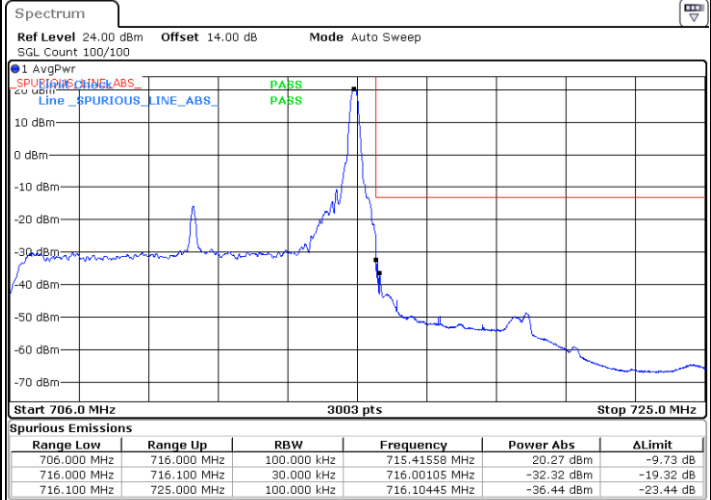
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



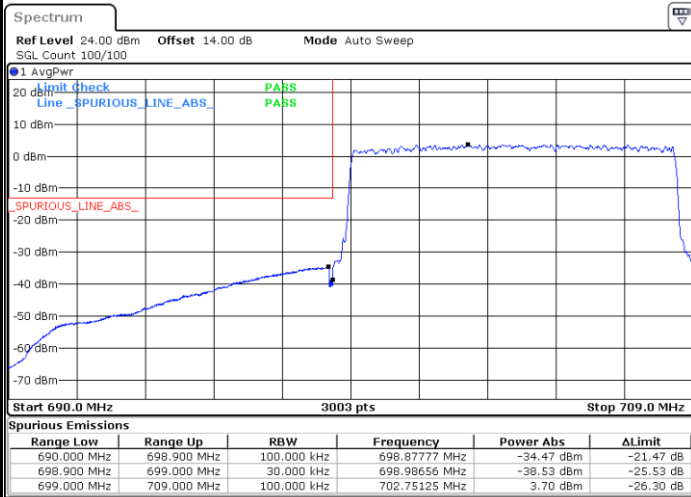
Date: 17.JAN.2023 08:45:13

Highest Band Edge / 1 RB



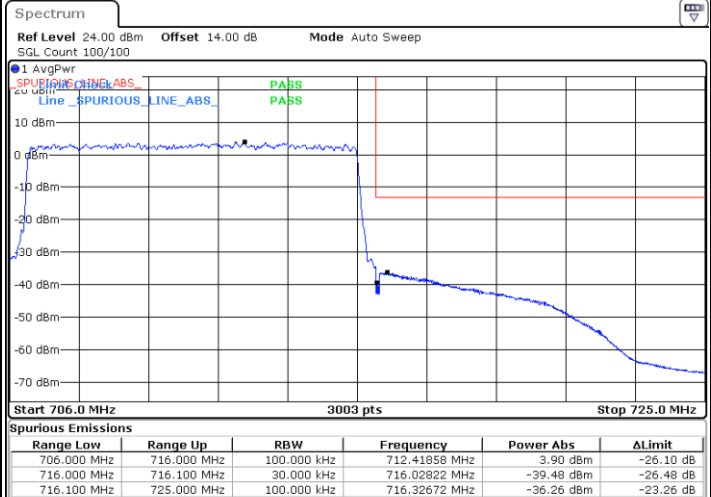
Date: 17.JAN.2023 09:00:59

Lowest Band Edge / Full RB



Date: 17.JAN.2023 08:41:44

Highest Band Edge / Full RB

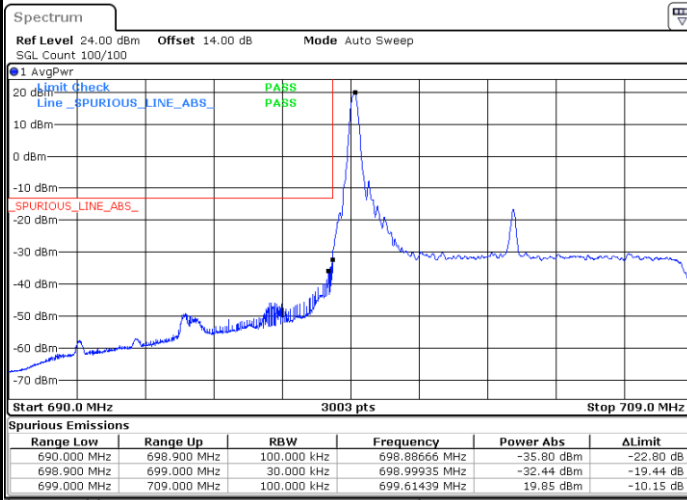


Date: 17.JAN.2023 08:57:30



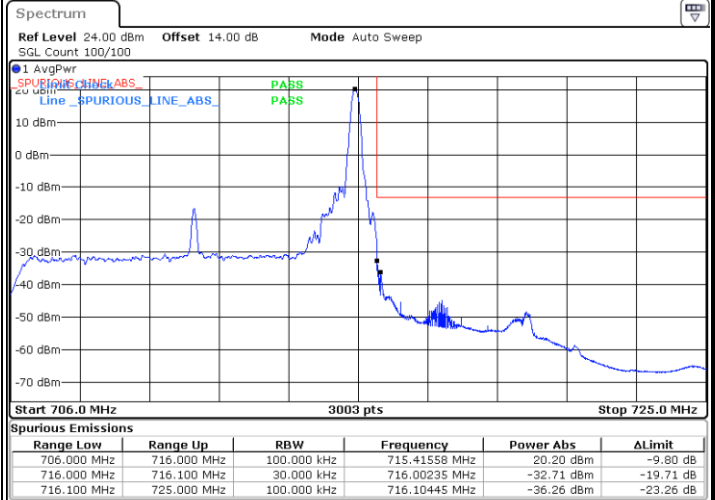
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



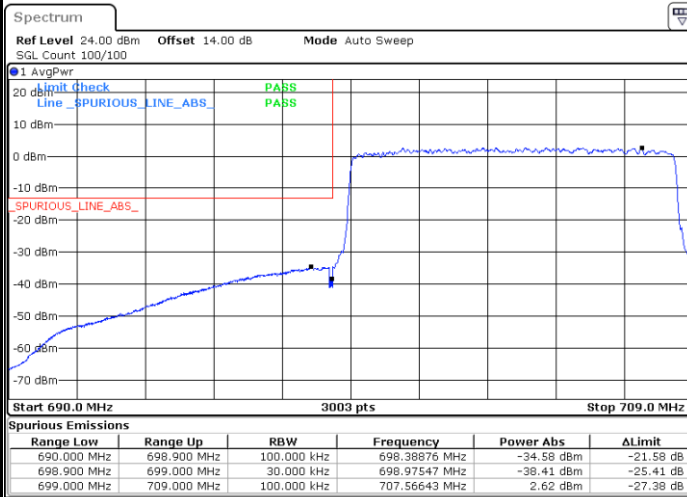
Date: 17.JAN.2023 08:44:03

Highest Band Edge / 1 RB



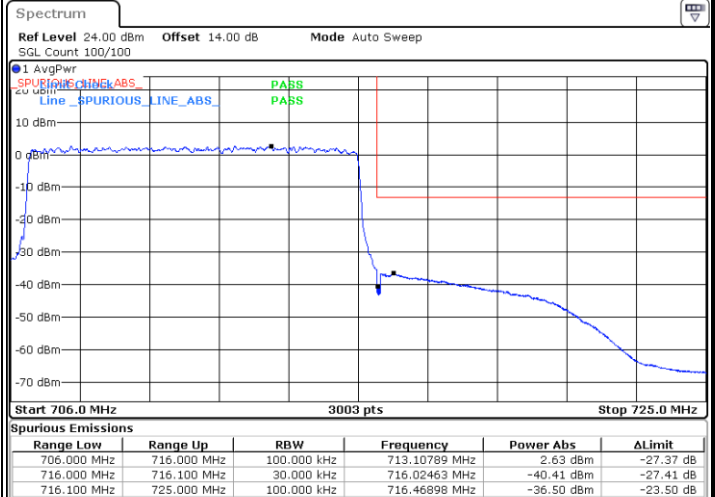
Date: 17.JAN.2023 08:59:50

Lowest Band Edge / Full RB



Date: 17.JAN.2023 08:42:54

Highest Band Edge / Full RB

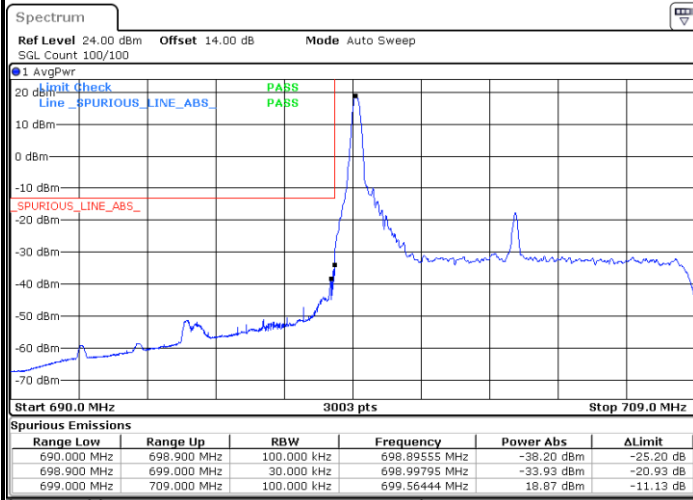


Date: 17.JAN.2023 08:58:40



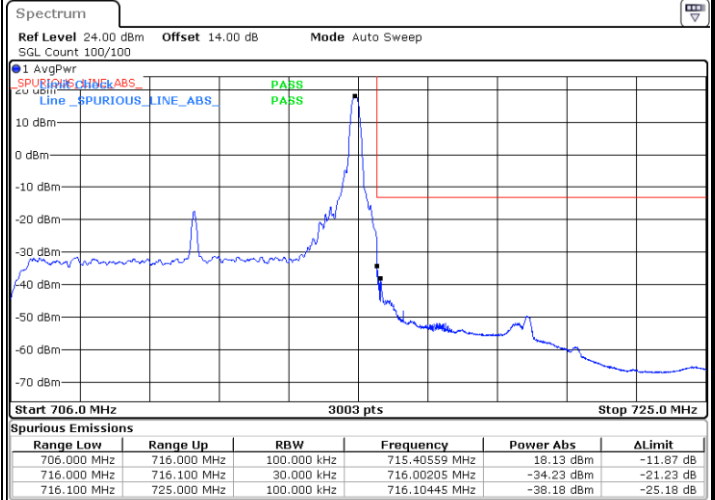
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



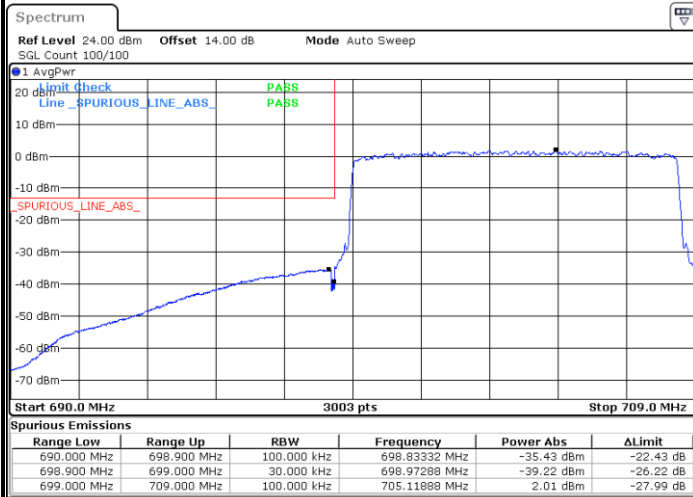
Date: 17.JAN.2023 09:06:22

Highest Band Edge / 1 RB



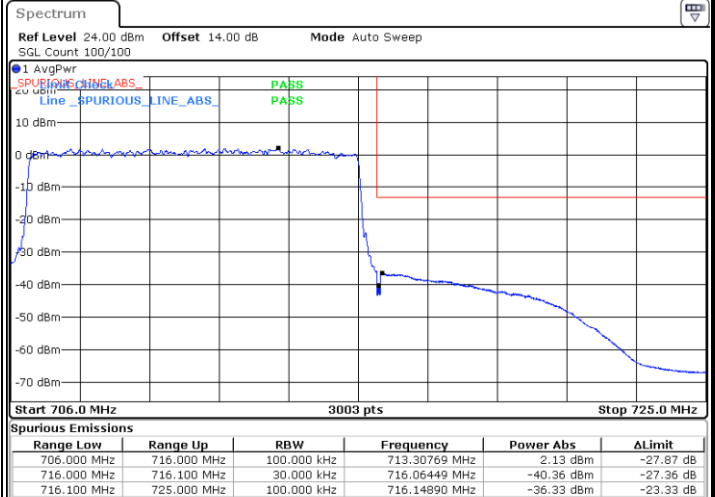
Date: 17.JAN.2023 09:12:25

Lowest Band Edge / Full RB



Date: 17.JAN.2023 09:05:12

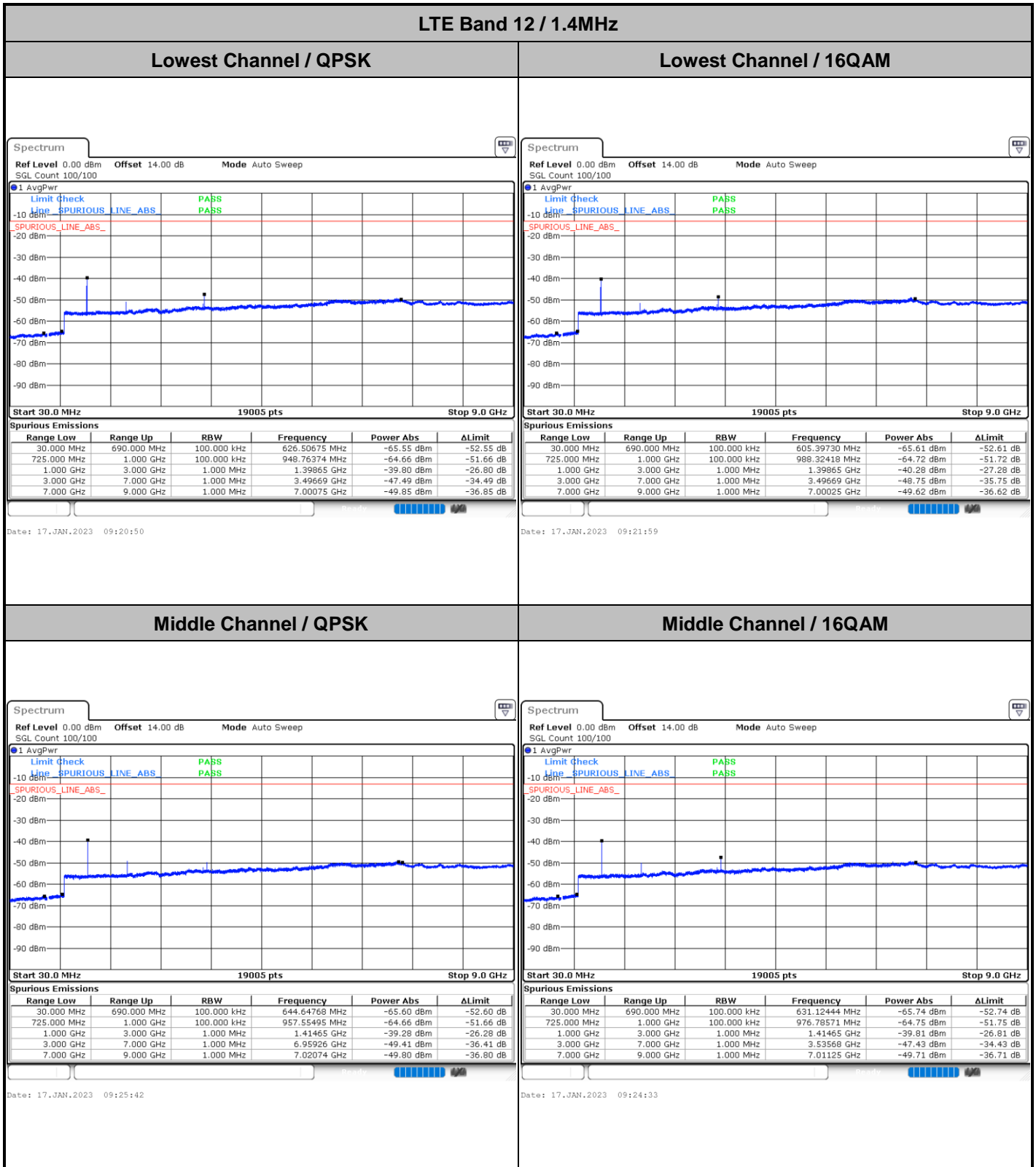
Highest Band Edge / Full RB



Date: 17.JAN.2023 09:11:15



Conducted Spurious Emission

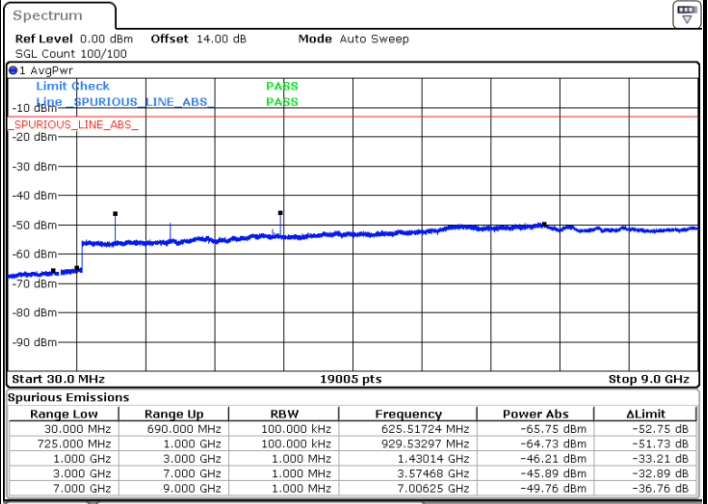
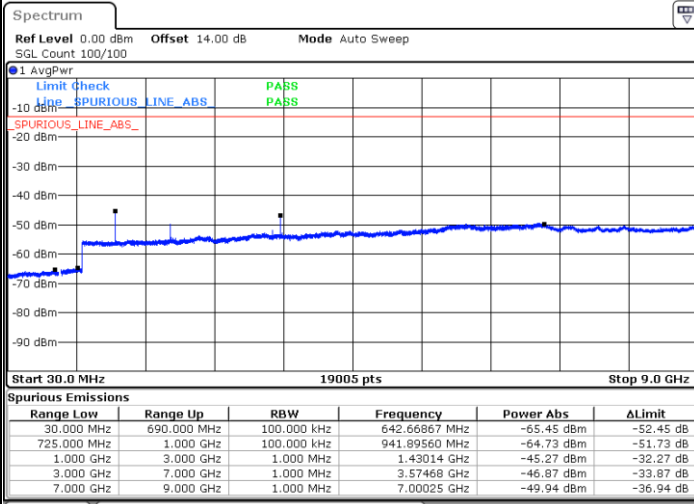




LTE Band 12 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



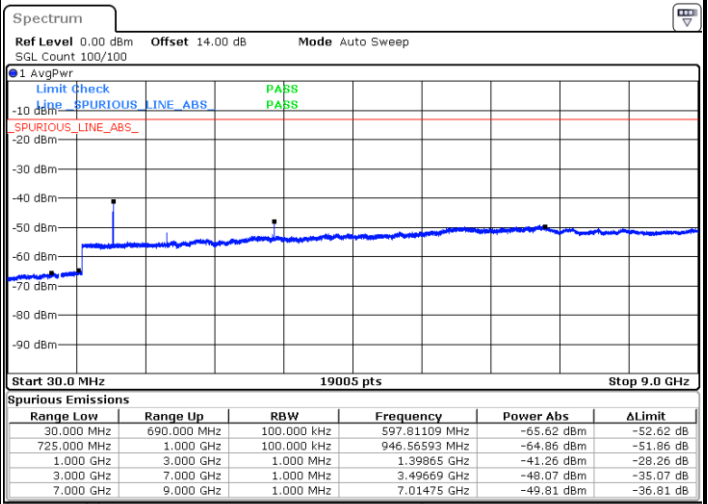
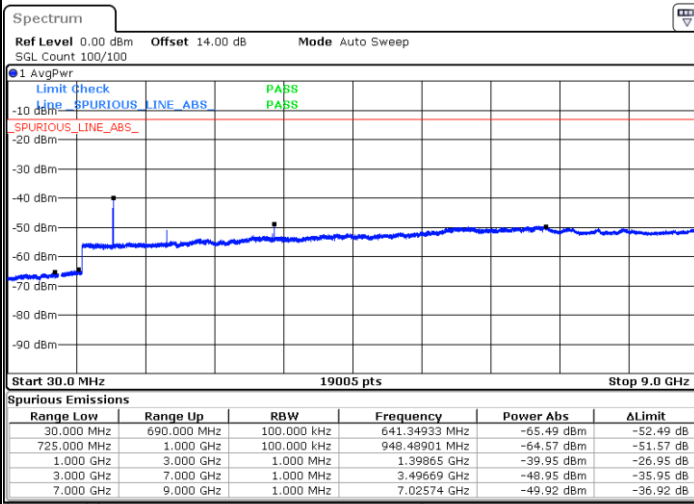
Date: 17.JAN.2023 09:32:56

Date: 17.JAN.2023 09:34:06

LTE Band 12 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 17.JAN.2023 07:44:44

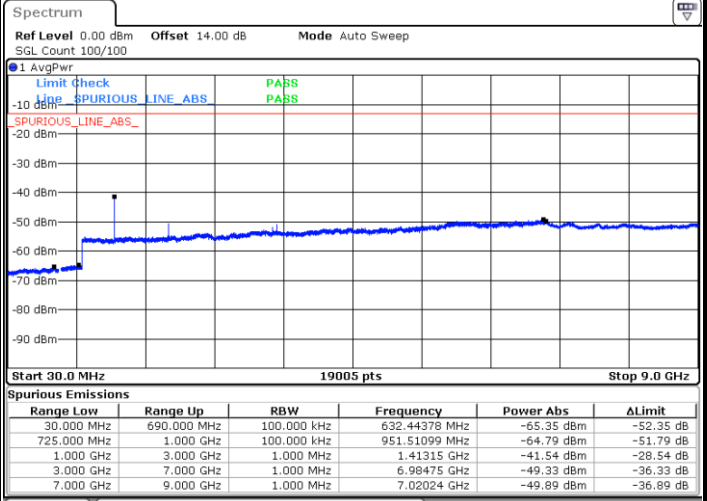
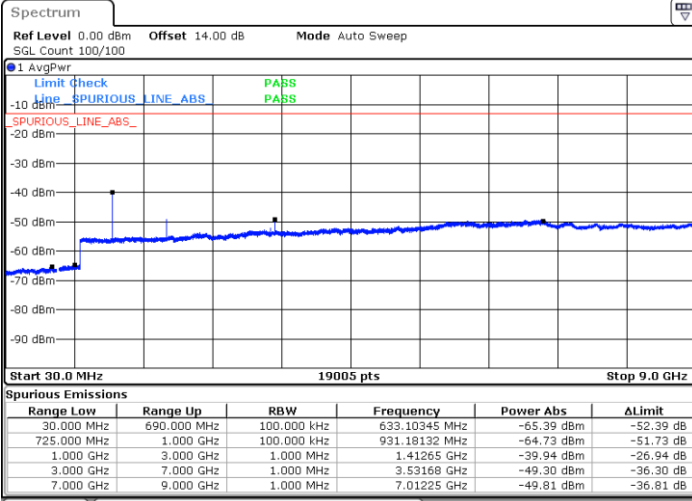
Date: 17.JAN.2023 07:45:54



LTE Band 12 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

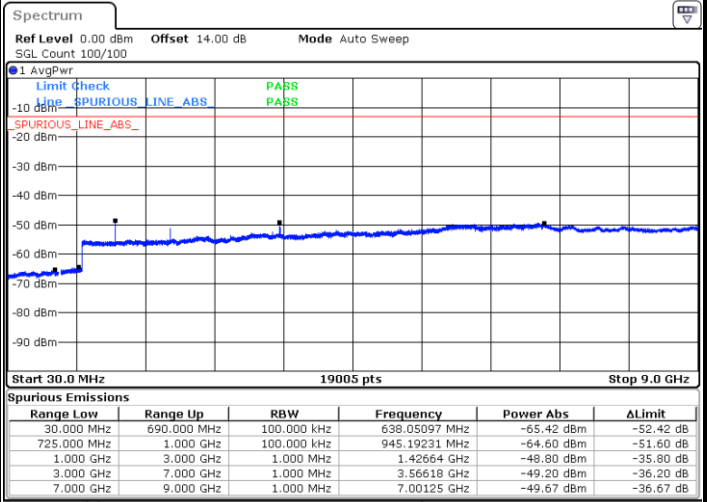
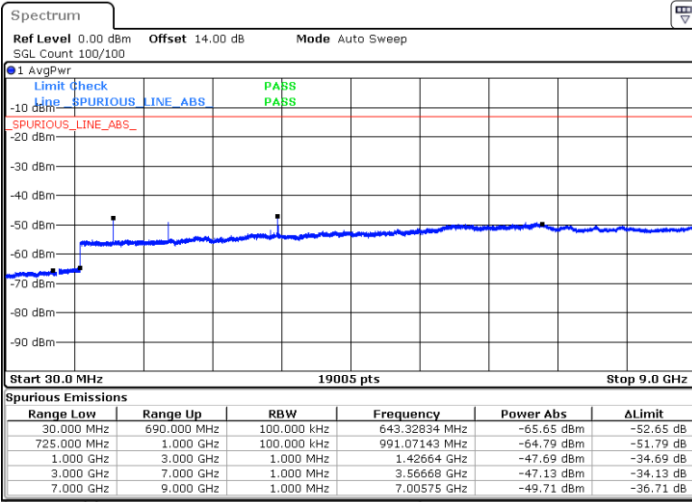


Date: 17.JAN.2023 07:49:37

Date: 17.JAN.2023 07:48:27

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 17.JAN.2023 07:56:51

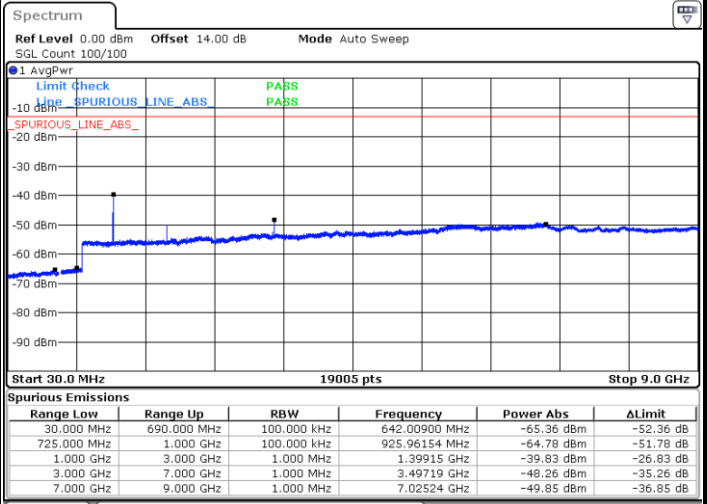
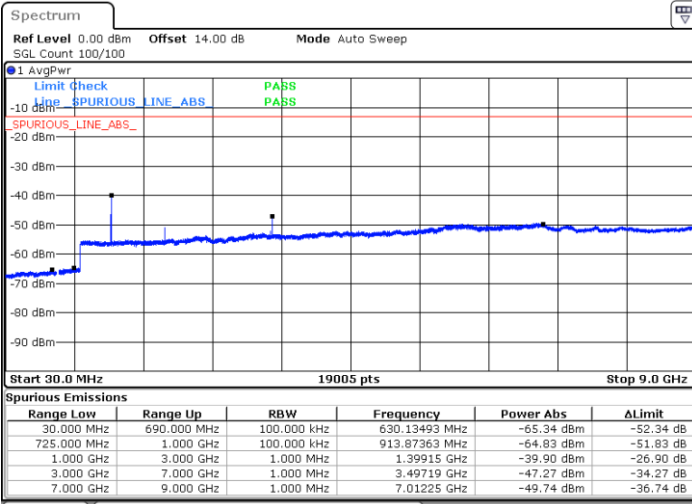
Date: 17.JAN.2023 07:58:01



LTE Band 12 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

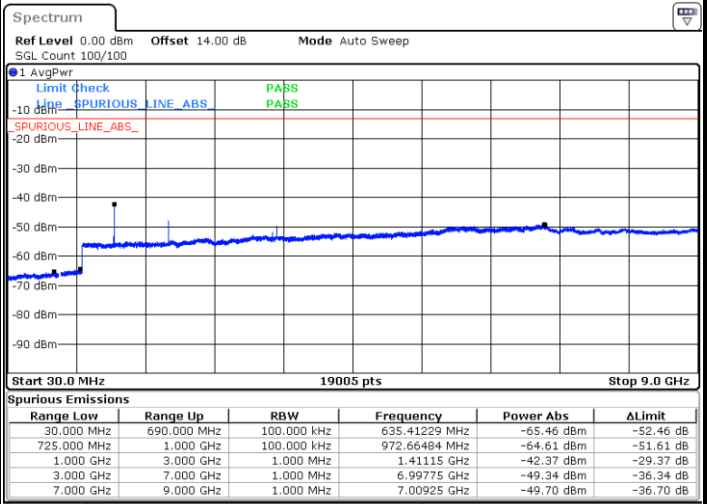
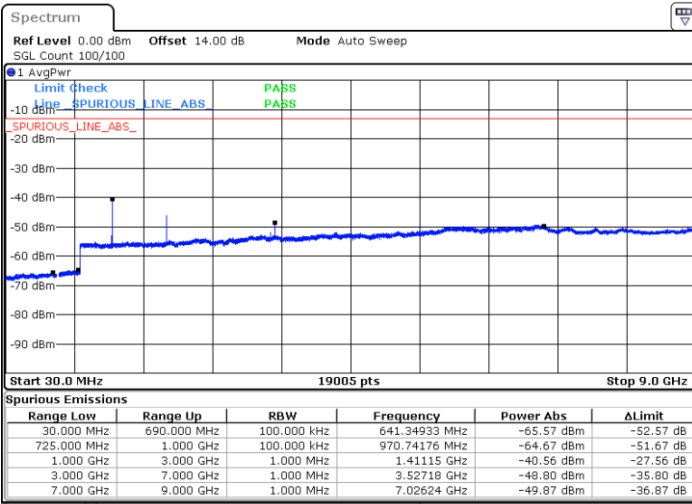


Date: 17.JAN.2023 08:25:48

Date: 17.JAN.2023 08:26:58

Middle Channel / QPSK

Middle Channel / 16QAM



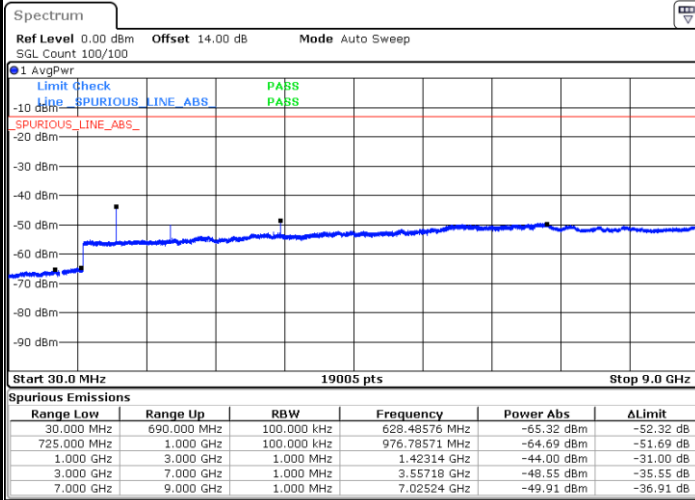
Date: 17.JAN.2023 08:30:41

Date: 17.JAN.2023 08:29:32



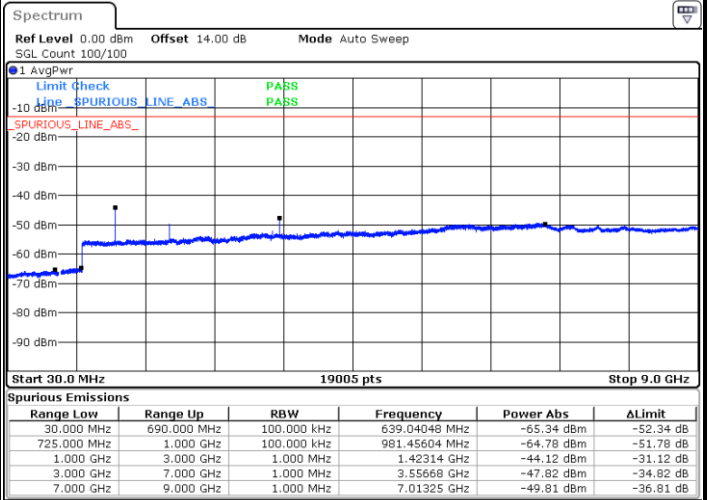
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 17.JAN.2023 08:39:08

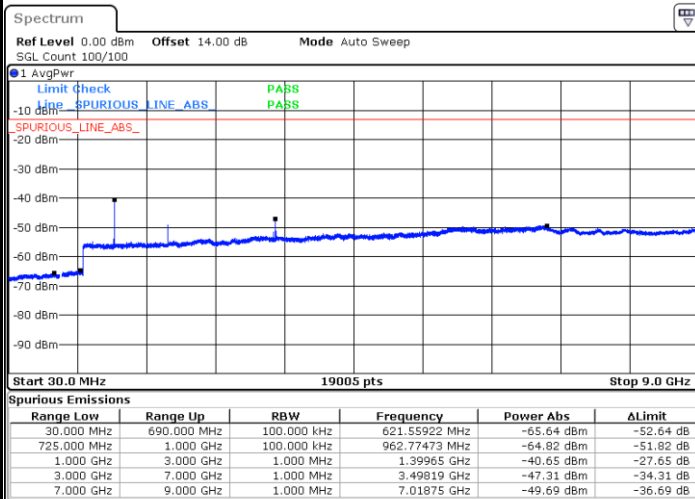
Highest Channel / 16QAM



Date: 17.JAN.2023 08:37:58

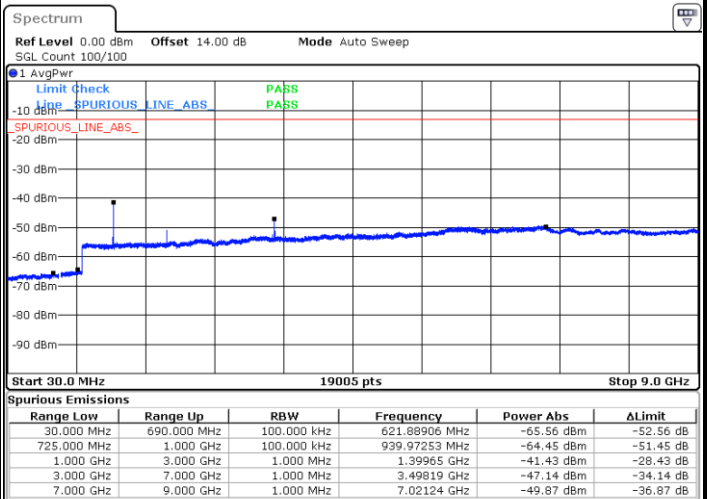
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 17.JAN.2023 08:46:23

Lowest Channel / 16QAM



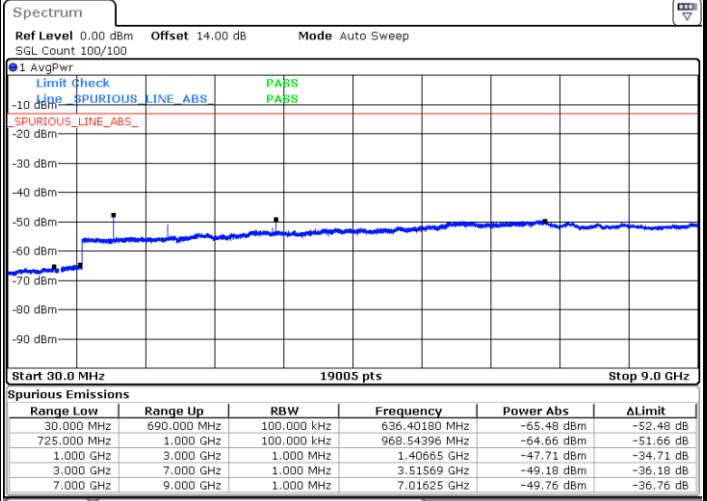
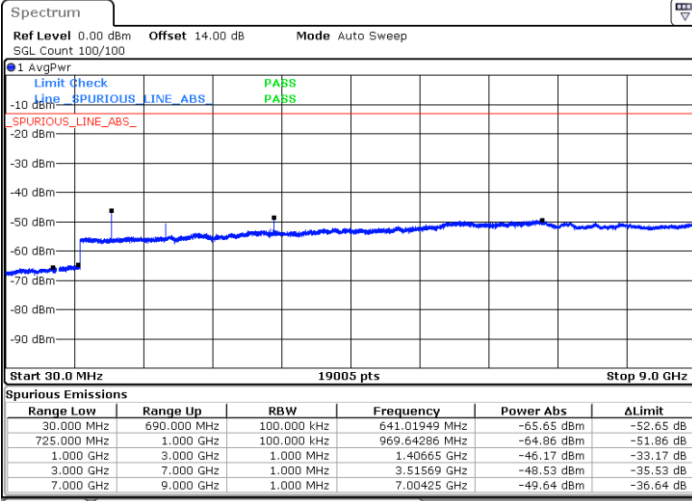
Date: 17.JAN.2023 08:47:33



LTE Band 12 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

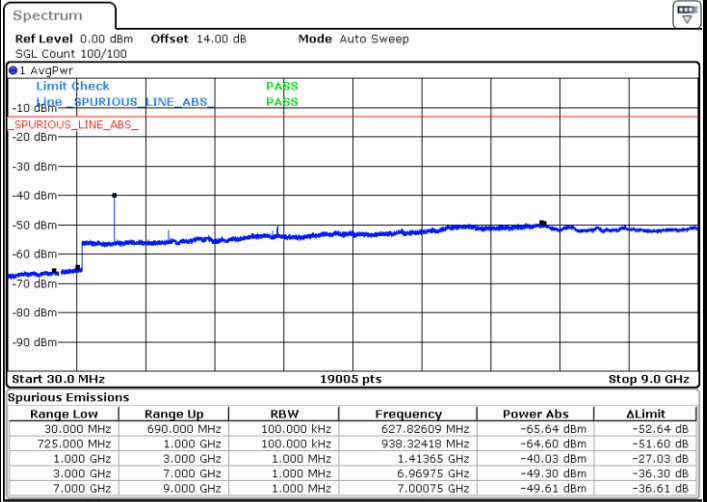
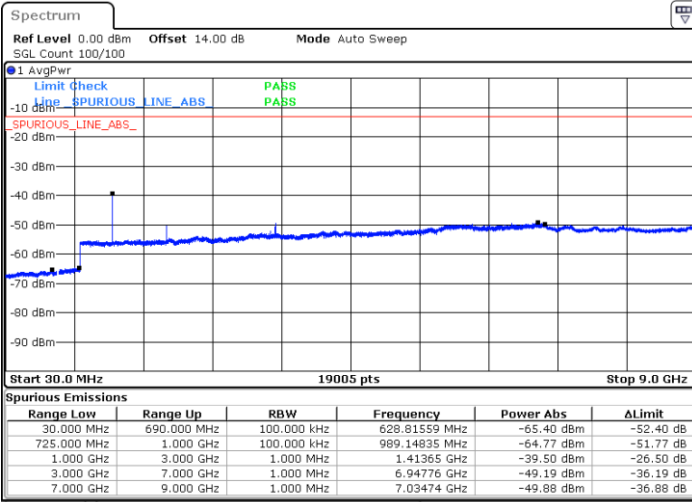


Date: 17.JAN.2023 08:51:16

Date: 17.JAN.2023 08:50:07

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 17.JAN.2023 09:02:09

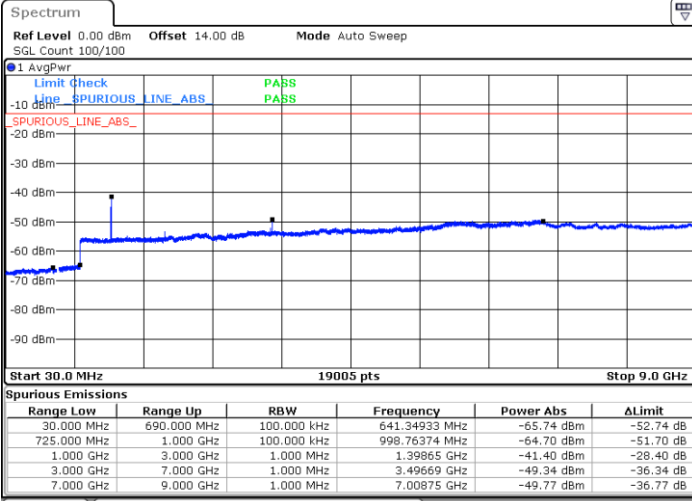
Date: 17.JAN.2023 09:03:20



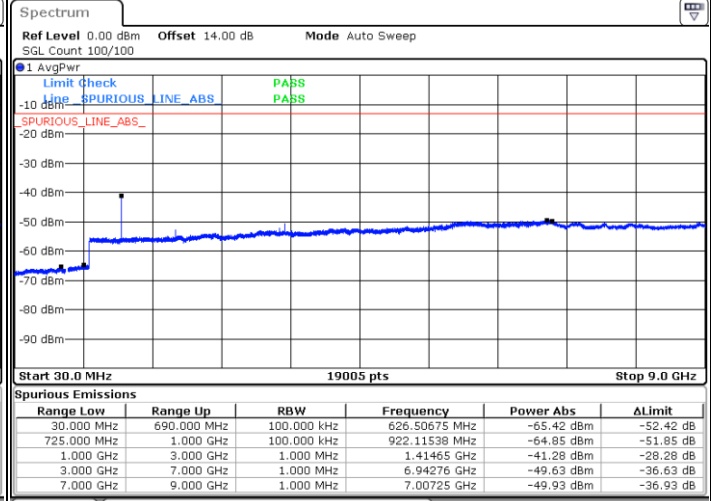
LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

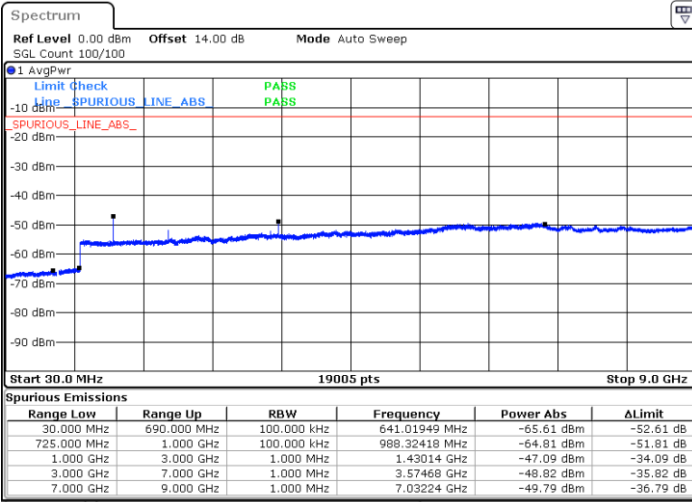


Date: 17.JAN.2023 09:38:19



Date: 17.JAN.2023 09:40:10

Highest Channel / 64QAM



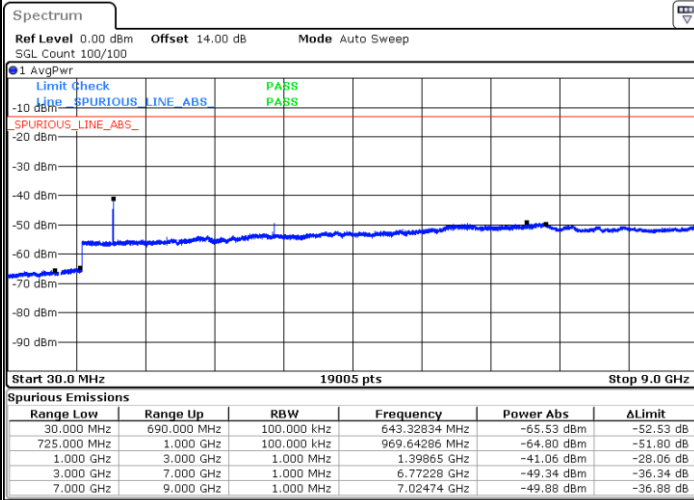
Date: 17.JAN.2023 09:44:22



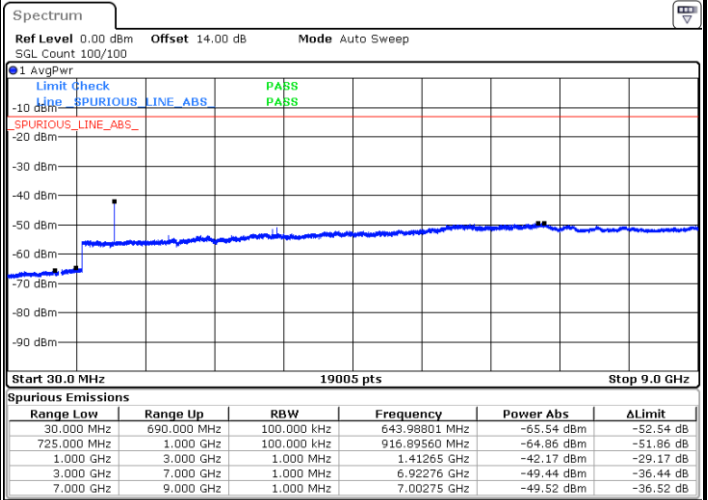
LTE Band 12 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

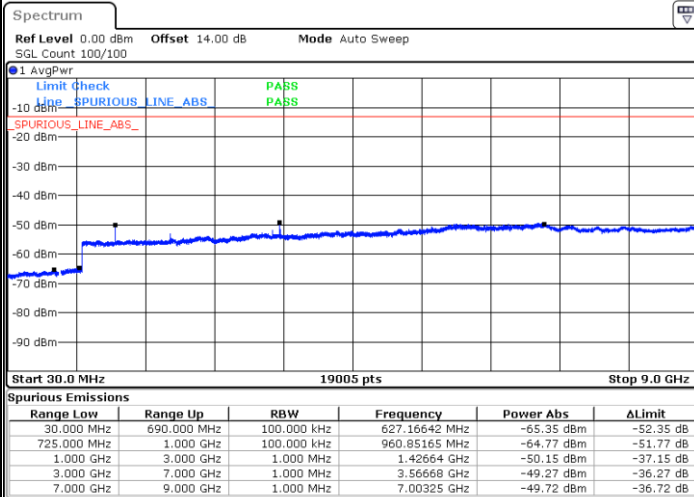


Date: 17.JAN.2023 08:02:13



Date: 17.JAN.2023 08:04:06

Highest Channel / 64QAM



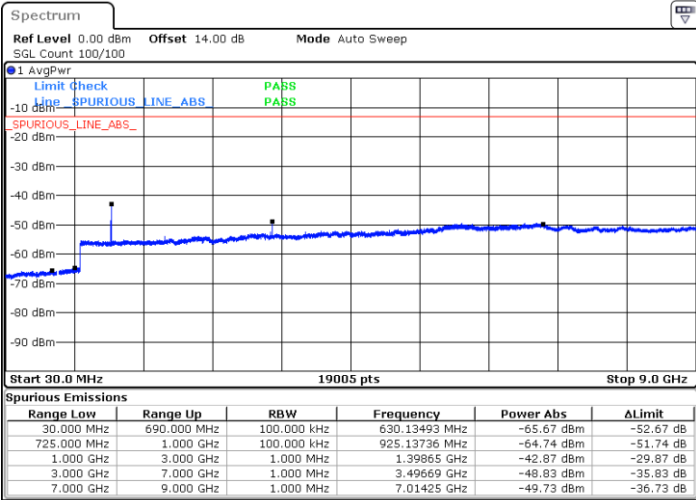
Date: 17.JAN.2023 08:08:18



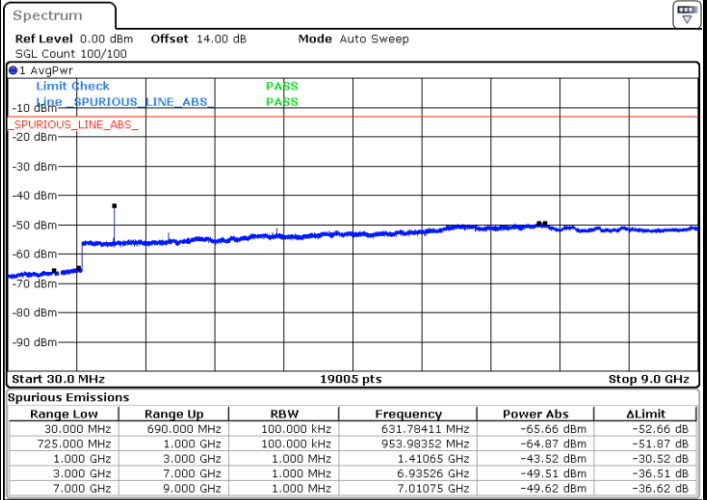
LTE Band 12 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

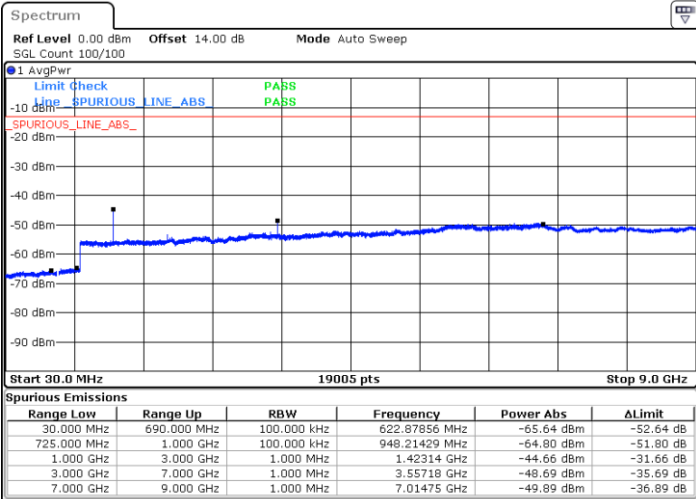


Date: 17.JAN.2023 08:12:30



Date: 17.JAN.2023 08:14:22

Highest Channel / 64QAM



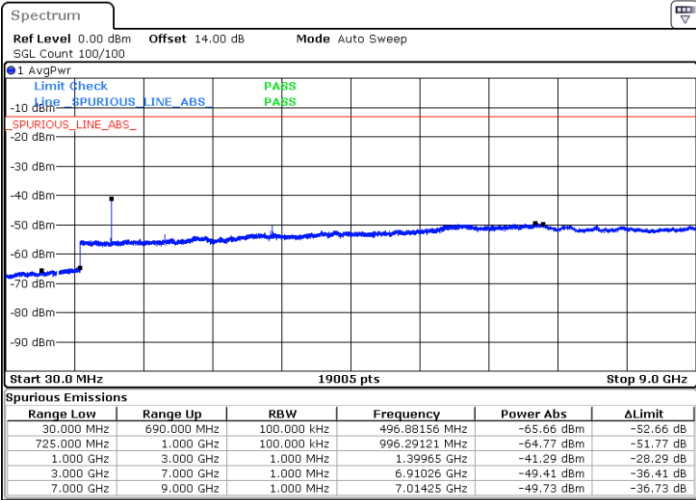
Date: 17.JAN.2023 08:18:34



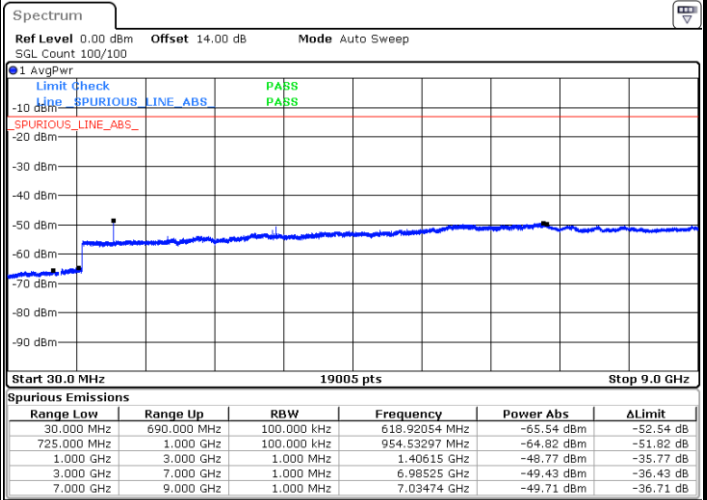
LTE Band 12 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

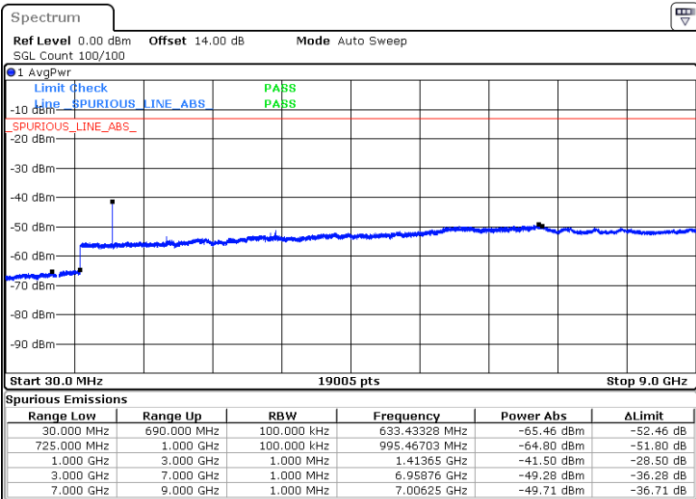


Date: 17.JAN.2023 09:07:32



Date: 17.JAN.2023 09:09:23

Highest Channel / 64QAM



Date: 17.JAN.2023 09:13:35



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	0.0023	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	3.94	4.81	4.75	5.86	
Highest CH	-	-	-	-	
Mode	LTE Band 13 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	5.51	6.29	-	-	
Highest CH	-	-	-	-	