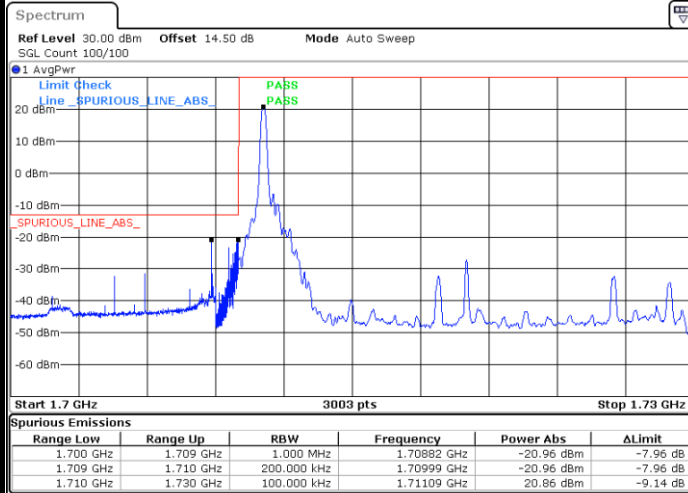


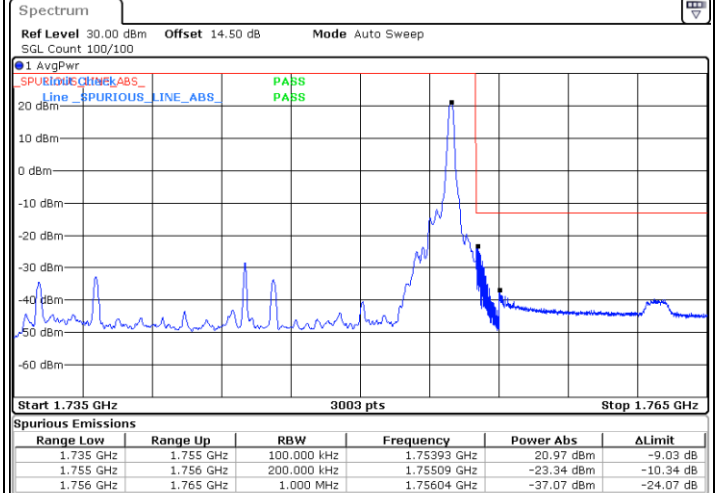


LTE Band 4 / 20MHz / 64QAM

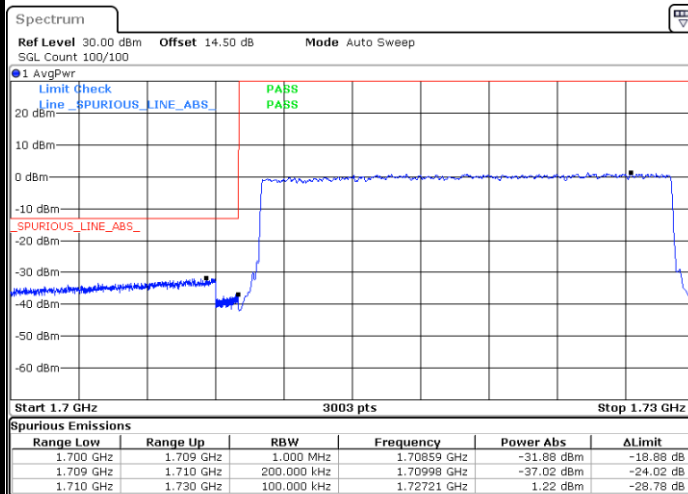
Lowest Band Edge / 1 RB



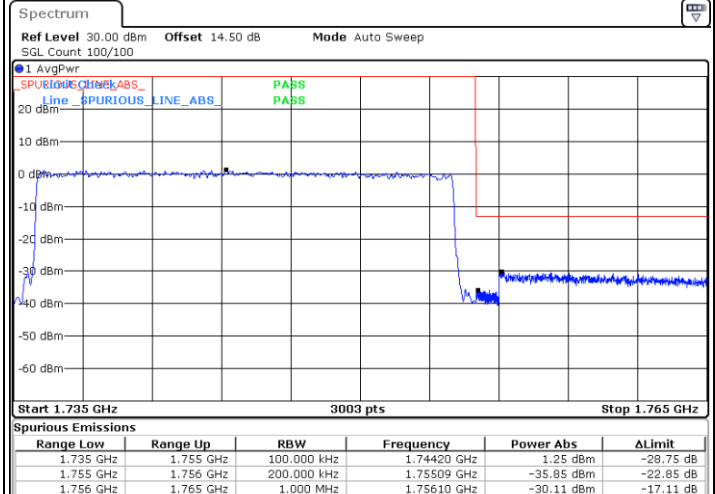
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



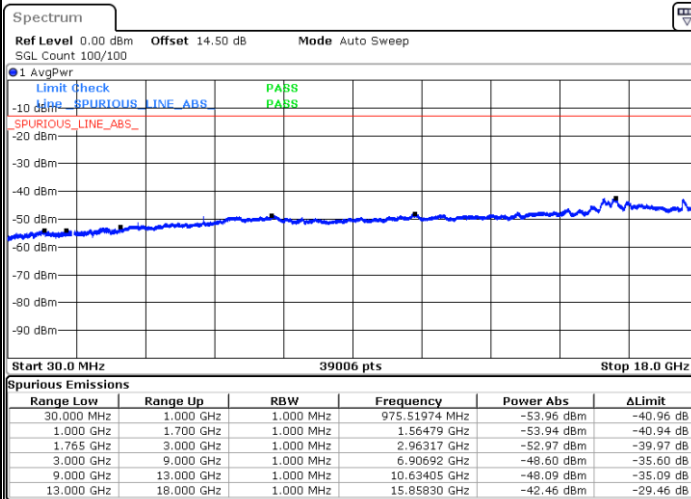
Highest Band Edge / Full RB



Conducted Spurious Emission

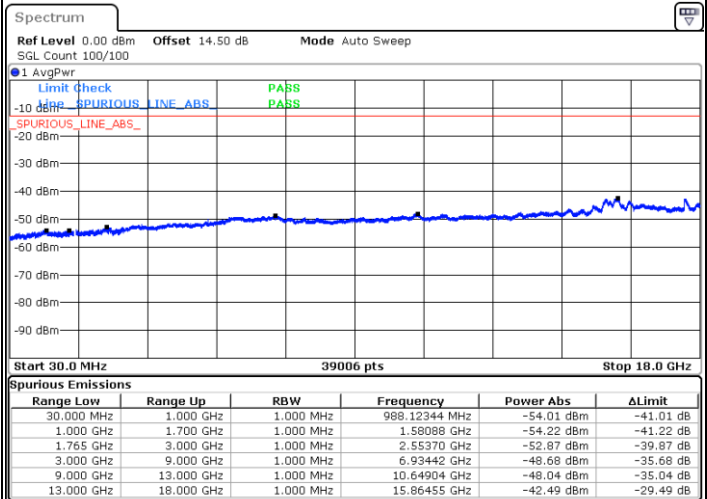
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK



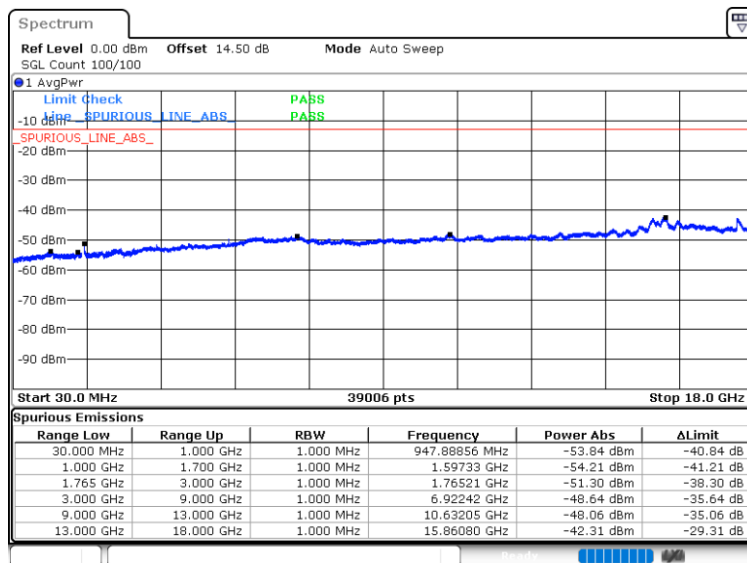
Date: 19.JUN.2024 16:06:17

Middle Channel / QPSK



Date: 19.JUN.2024 16:07:42

Highest Channel / QPSK

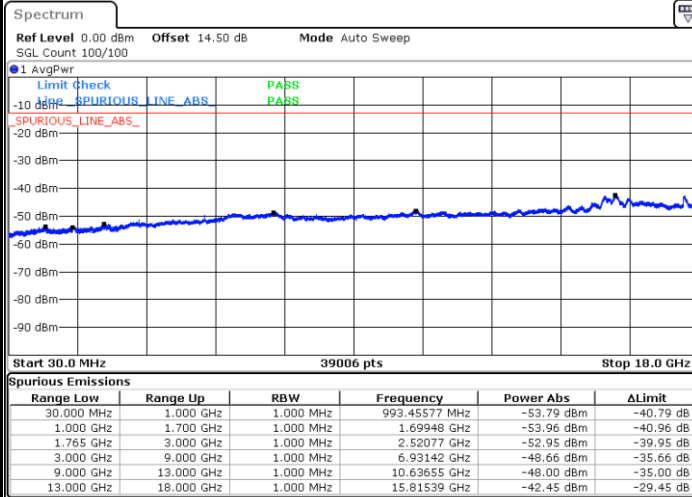


Date: 19.JUN.2024 16:16:02



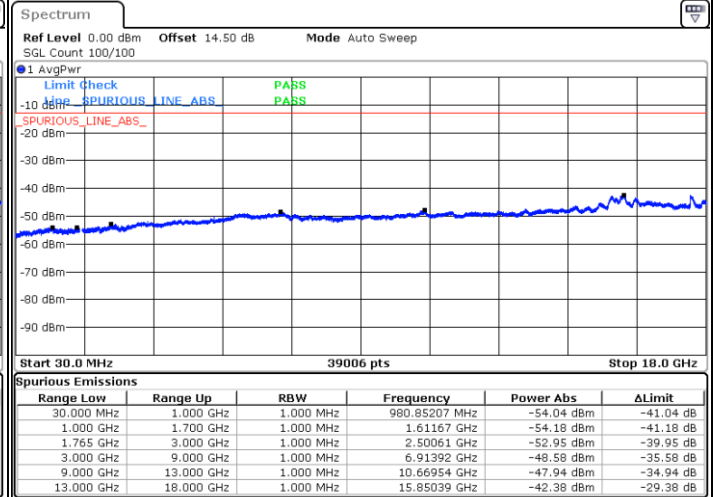
LTE Band 4 / 3MHz

Lowest Channel / QPSK



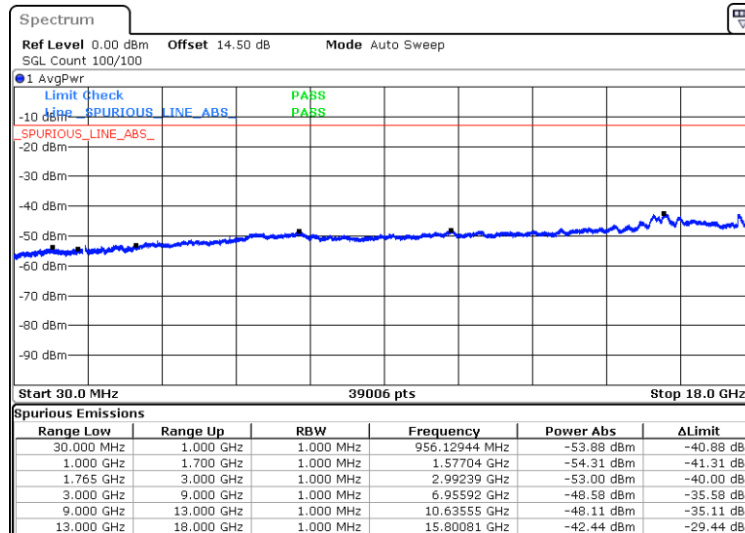
Date: 19.JUN.2024 16:23:46

Middle Channel / QPSK



Date: 19.JUN.2024 16:25:10

Highest Channel / QPSK

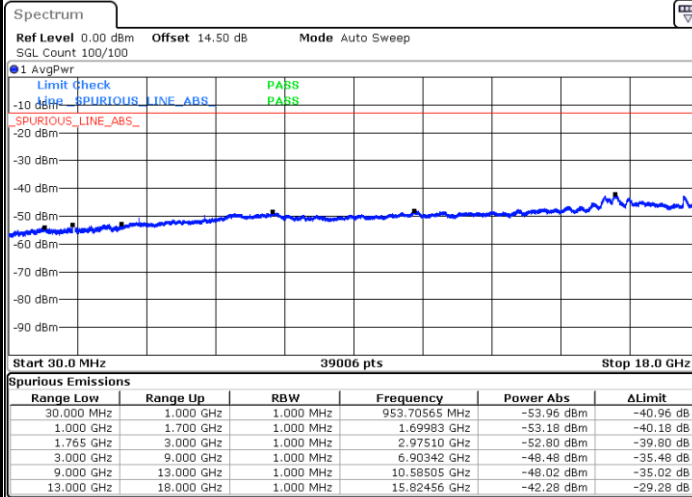


Date: 19.JUN.2024 16:33:30



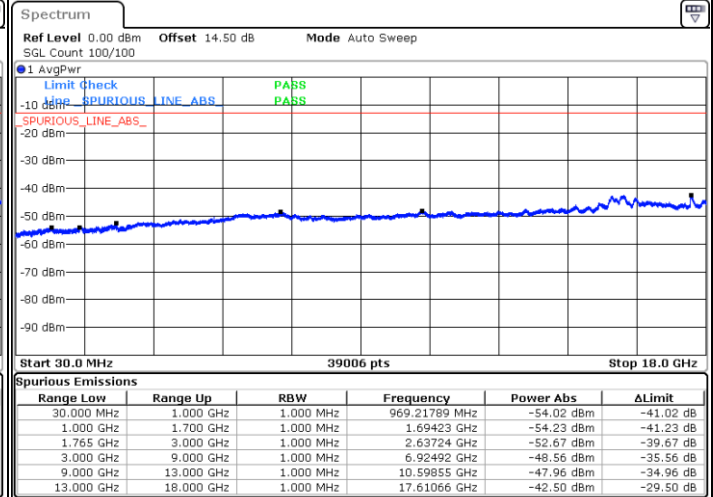
LTE Band 4 / 5MHz

Lowest Channel / QPSK



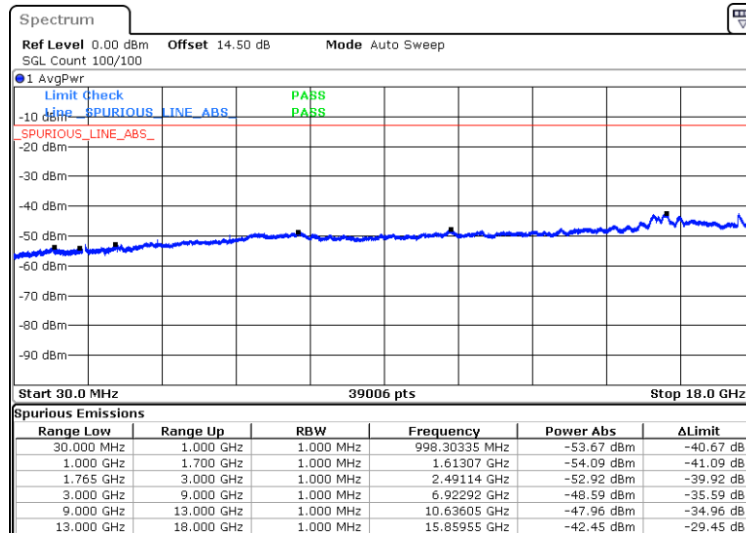
Date: 19 JUN 2024 16:41:14

Middle Channel / QPSK



Date: 19 JUN 2024 16:42:38

Highest Channel / QPSK

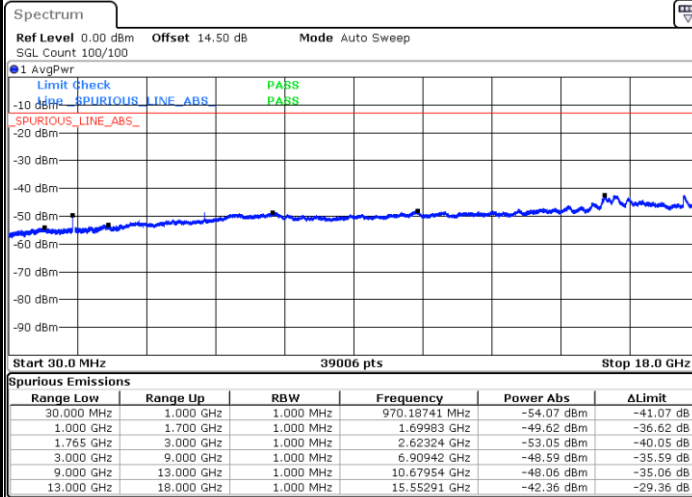


Date: 19 JUN 2024 16:50:58



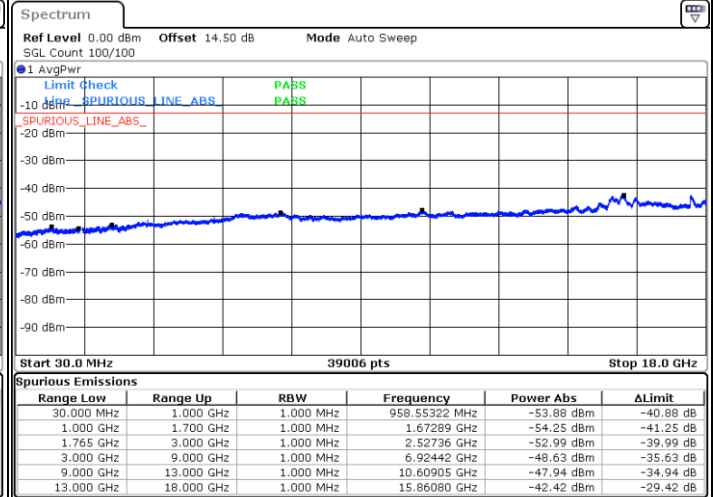
LTE Band 4 / 10MHz

Lowest Channel / QPSK



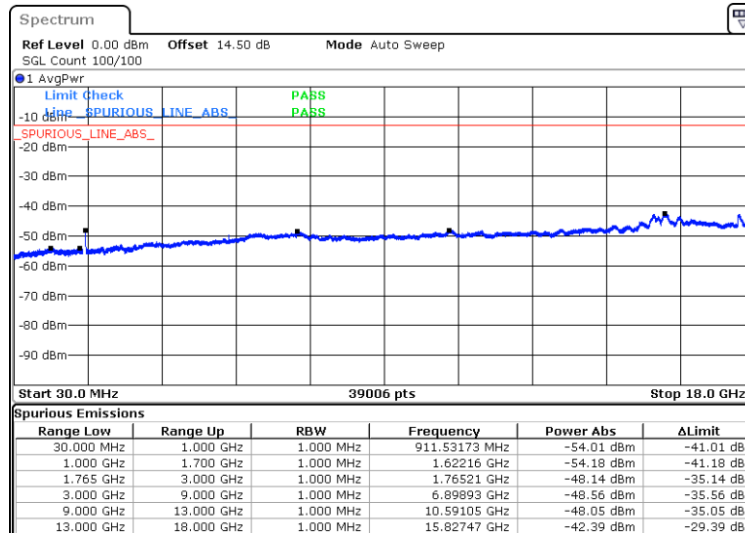
Date: 19.JUN.2024 16:58:42

Middle Channel / QPSK



Date: 19.JUN.2024 17:00:07

Highest Channel / QPSK

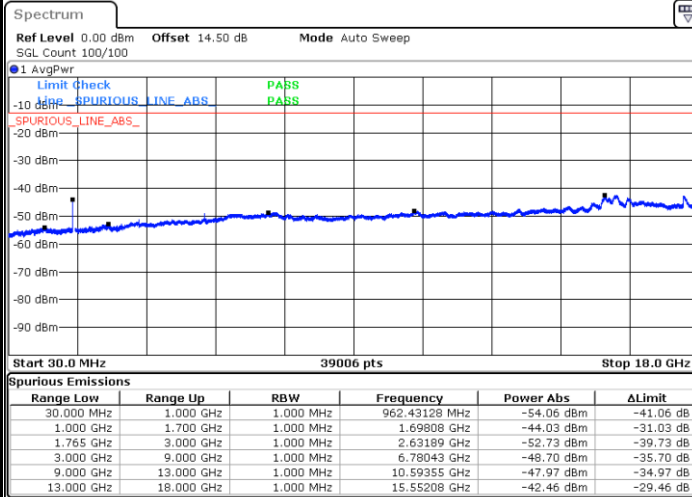


Date: 19.JUN.2024 17:08:26



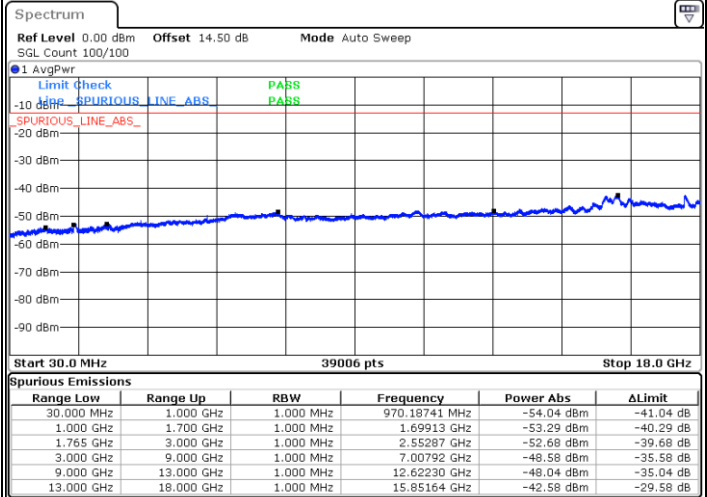
LTE Band 4 / 15MHz

Lowest Channel / QPSK



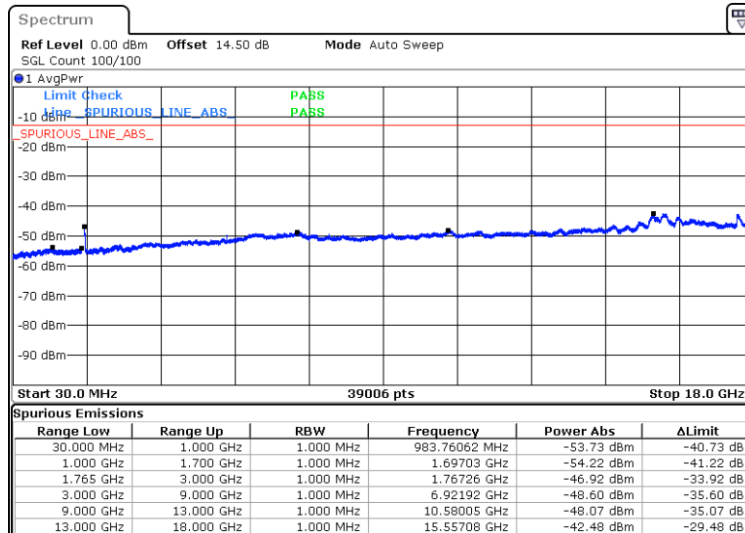
Date: 19.JUN.2024 17:16:10

Middle Channel / QPSK



Date: 19.JUN.2024 17:17:35

Highest Channel / QPSK

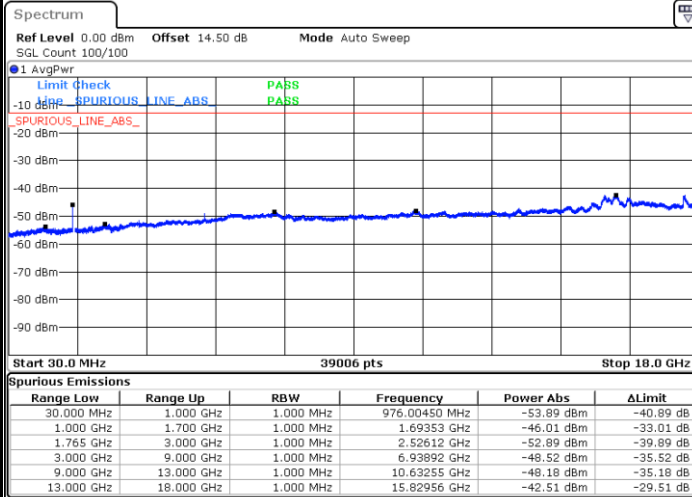


Date: 19.JUN.2024 17:25:55



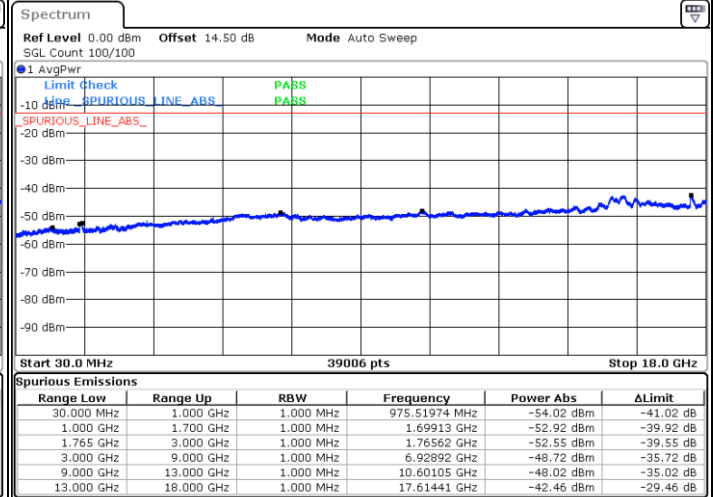
LTE Band 4 / 20MHz

Lowest Channel / QPSK



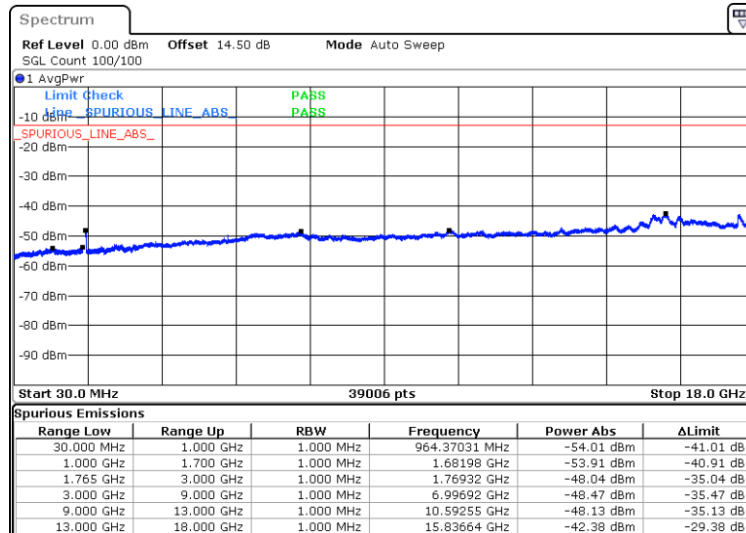
Date: 19.JUN.2024 17:33:40

Middle Channel / QPSK



Date: 19.JUN.2024 17:35:04

Highest Channel / QPSK



Date: 19.JUN.2024 17:44:44

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0005	
20	Battery End Point	0.0011	

Note:

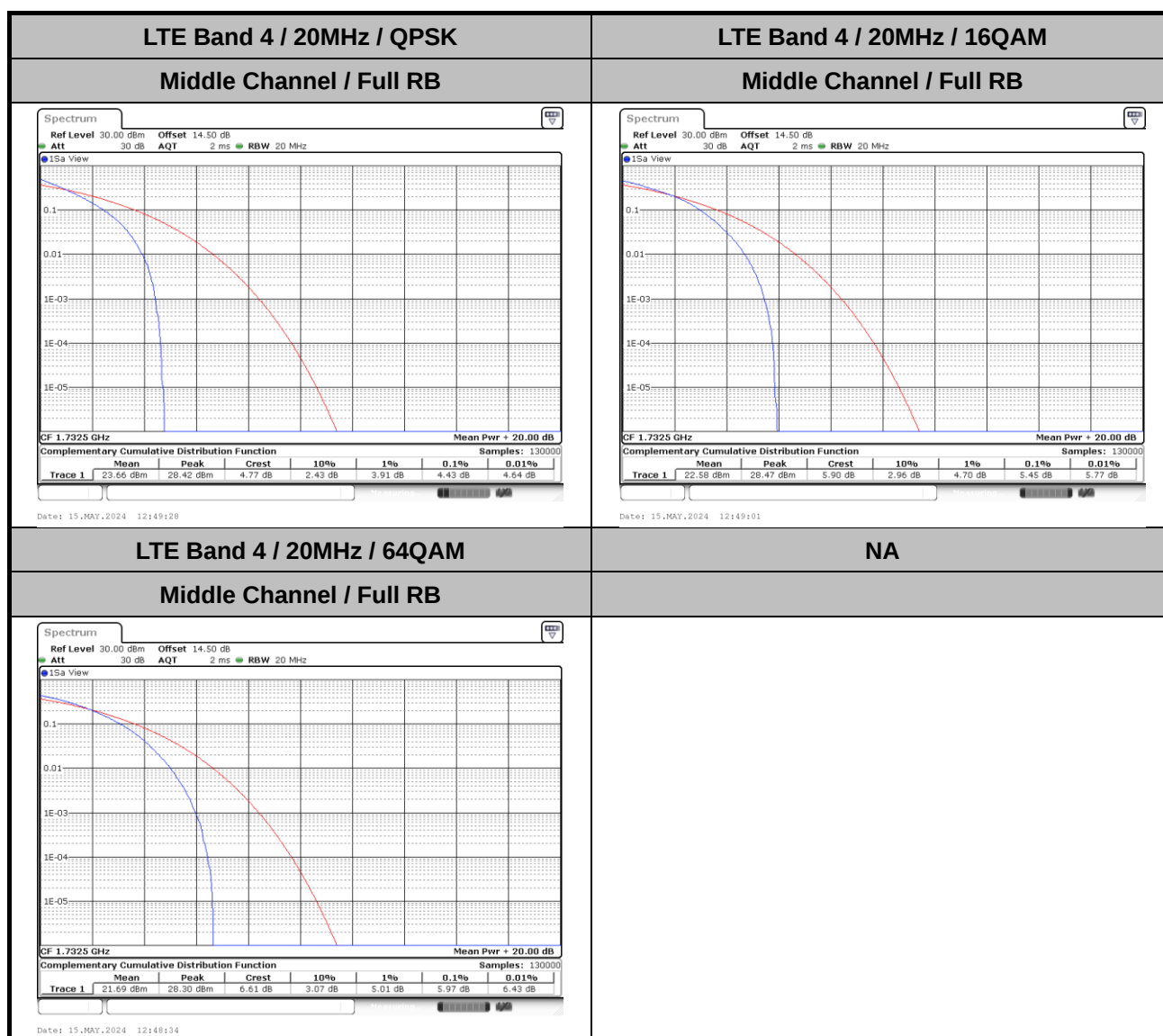
1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 4 (Other PA)

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	4.43	5.45	5.97	PASS





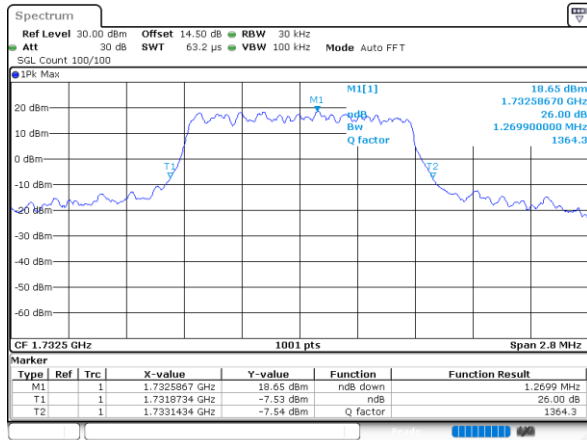
26dB Bandwidth

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	1.27	1.28	3.01	2.92	4.87	4.89	9.73	9.75	14.24	14.42	18.78	18.70



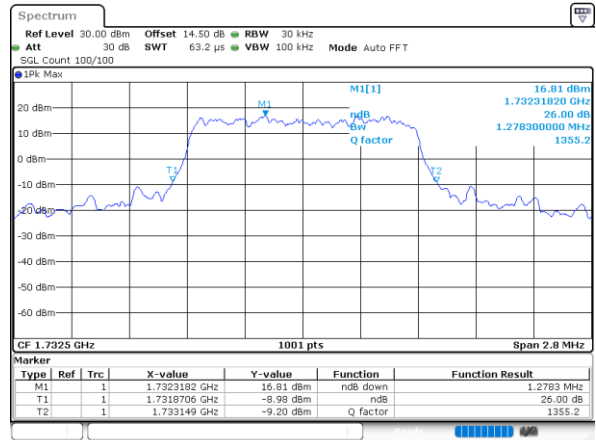
LTE Band 4

Middle Channel / 1.4MHz / QPSK



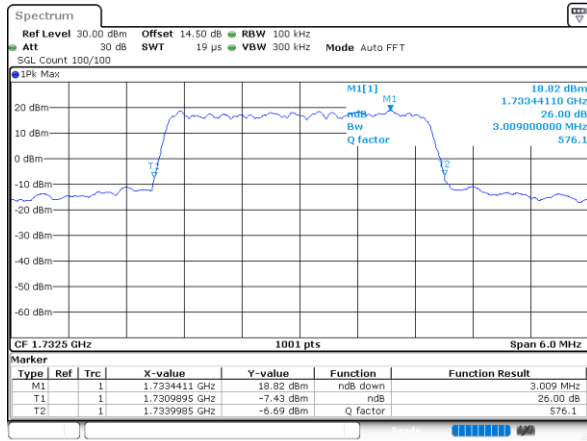
Date: 15.MAY.2024 11:05:24

Middle Channel / 1.4MHz / 16QAM



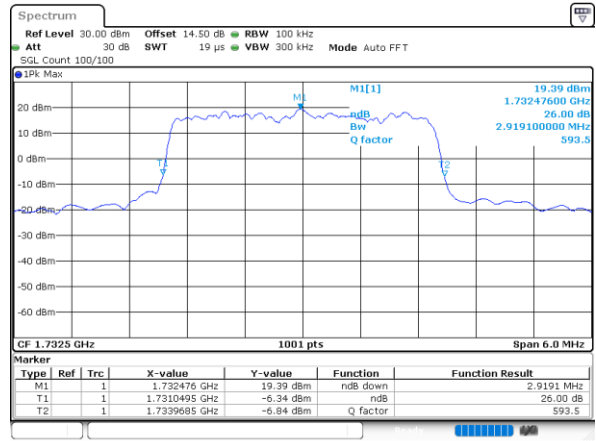
Date: 15.MAY.2024 11:06:04

Middle Channel / 3MHz / QPSK



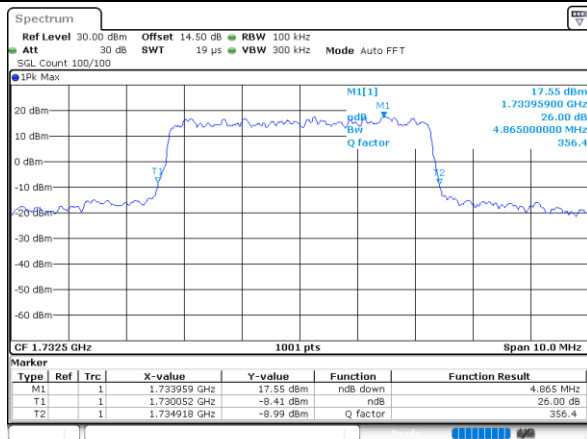
Date: 15.MAY.2024 11:25:49

Middle Channel / 3MHz / 16QAM



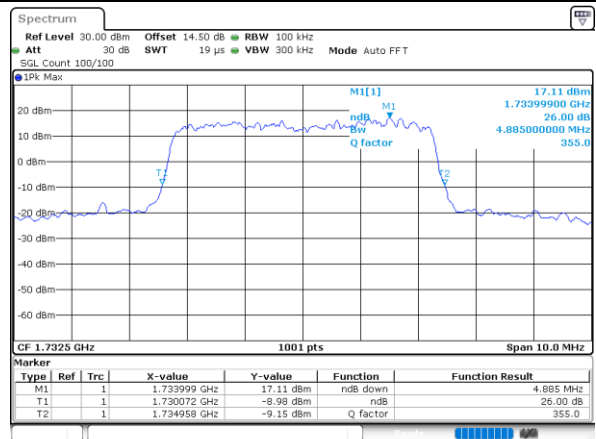
Date: 15.MAY.2024 11:26:29

Middle Channel / 5MHz / QPSK



Date: 15.MAY.2024 11:46:15

Middle Channel / 5MHz / 16QAM

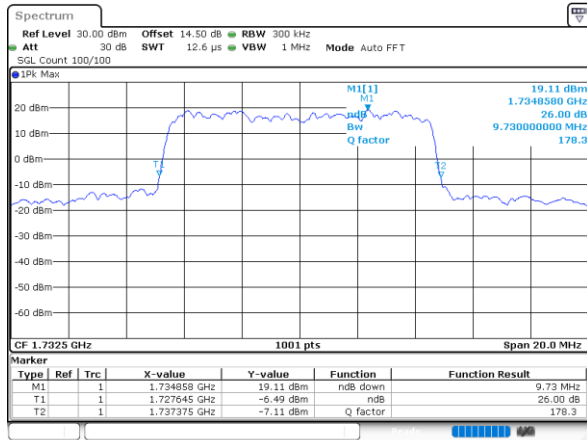


Date: 15.MAY.2024 11:46:55



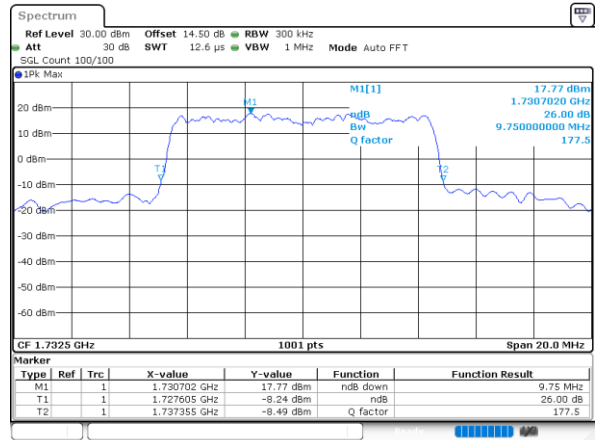
LTE Band 4

Middle Channel / 10MHz / QPSK



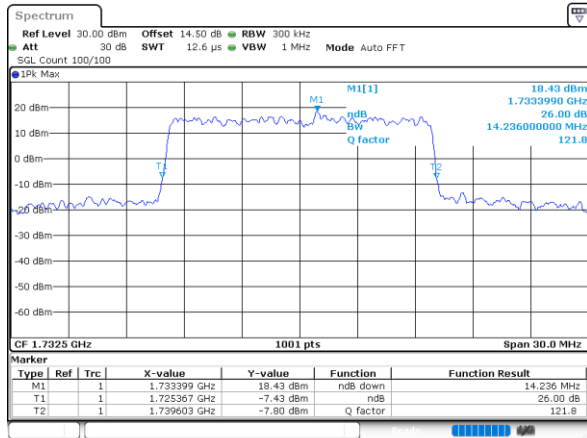
Date: 15.MAY.2024 12:06:41

Middle Channel / 10MHz / 16QAM



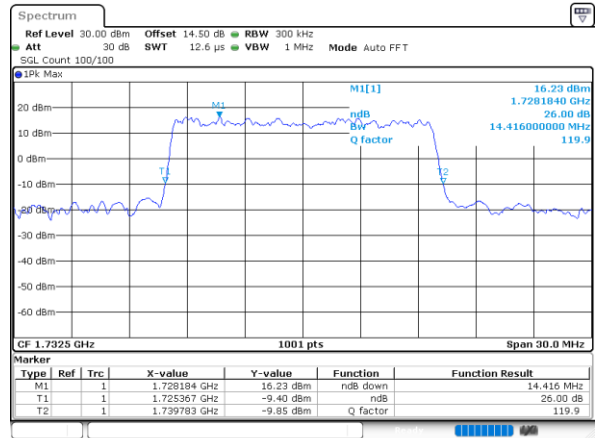
Date: 15.MAY.2024 12:07:21

Middle Channel / 15MHz / QPSK



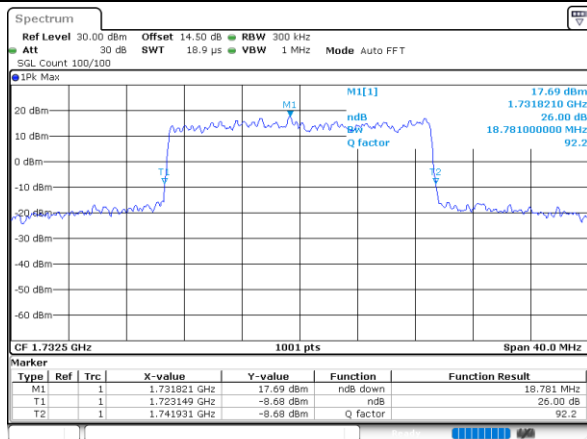
Date: 15.MAY.2024 12:27:05

Middle Channel / 15MHz / 16QAM



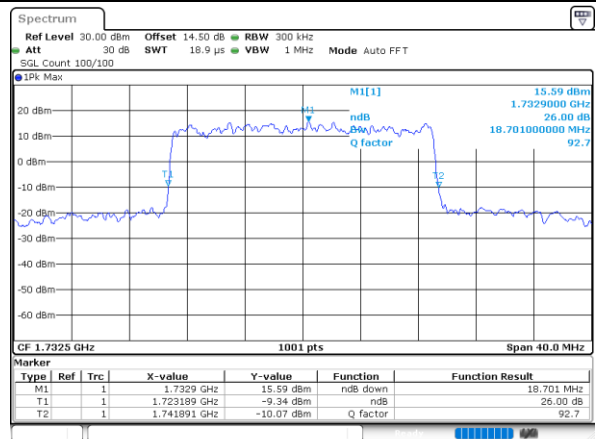
Date: 15.MAY.2024 12:27:44

Middle Channel / 20MHz / QPSK



Date: 15.MAY.2024 12:47:28

Middle Channel / 20MHz / 16QAM



Date: 15.MAY.2024 12:48:08



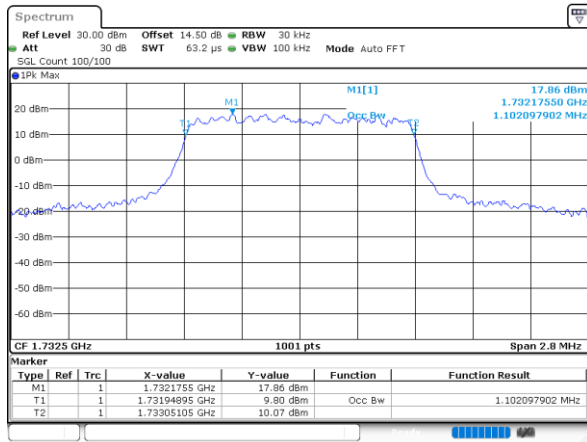
Occupied Bandwidth

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	1.10	1.10	2.72	2.75	4.49	4.47	9.07	9.05	13.49	13.49	17.86	17.90

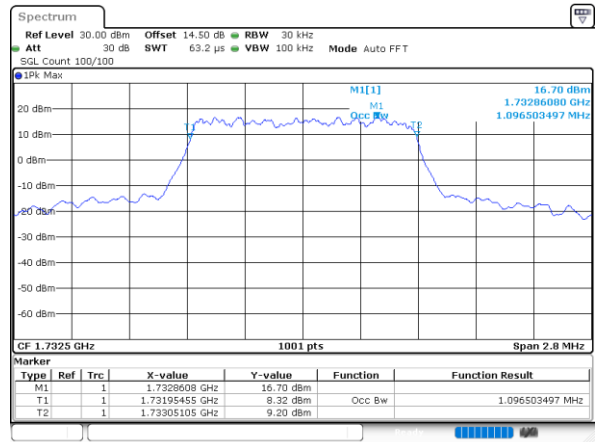


LTE Band 4

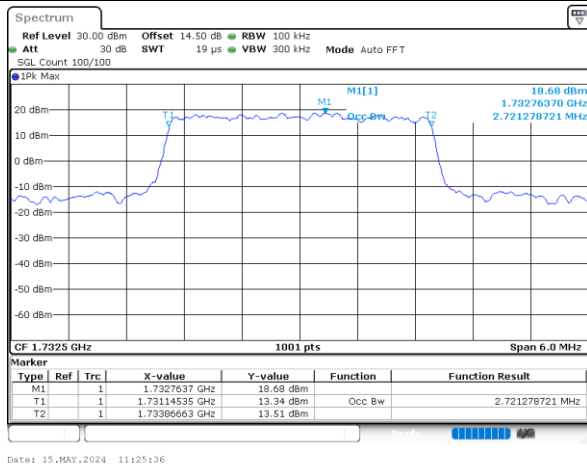
Middle Channel / 1.4MHz / QPSK



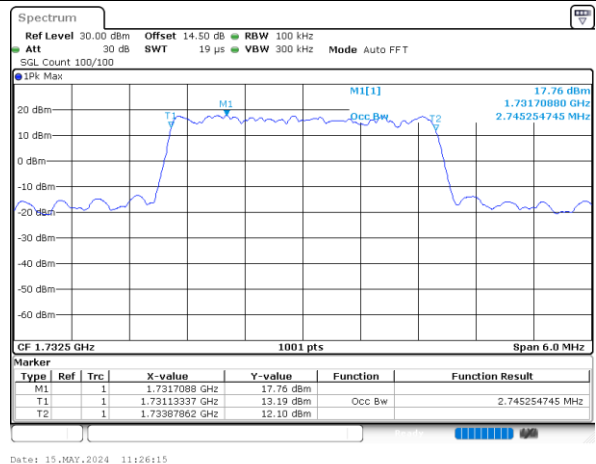
Middle Channel / 1.4MHz / 16QAM



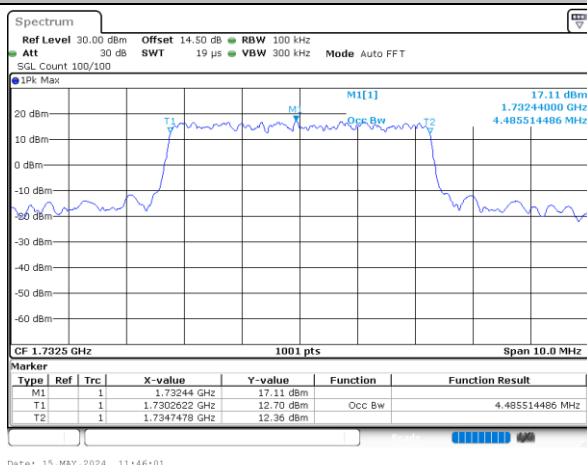
Middle Channel / 3MHz / QPSK



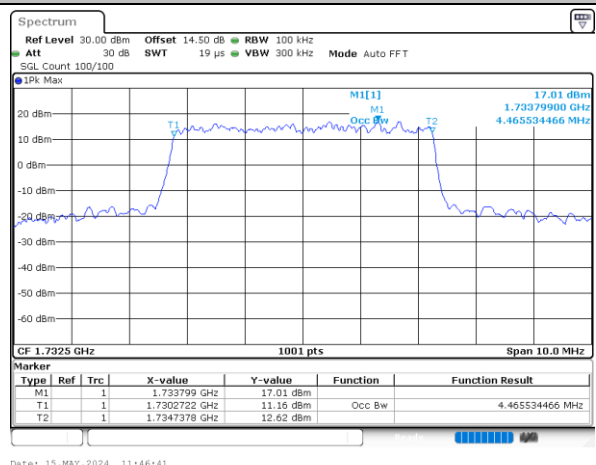
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



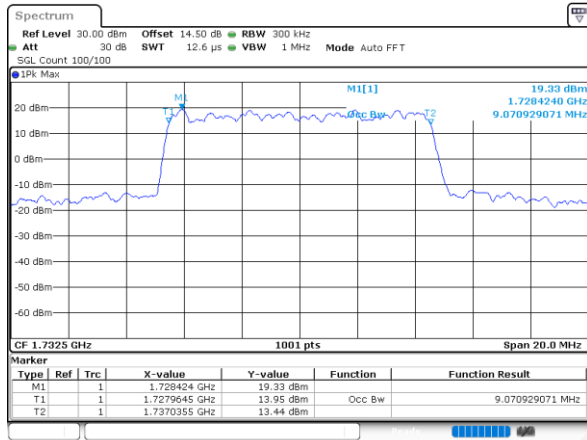
Middle Channel / 5MHz / 16QAM



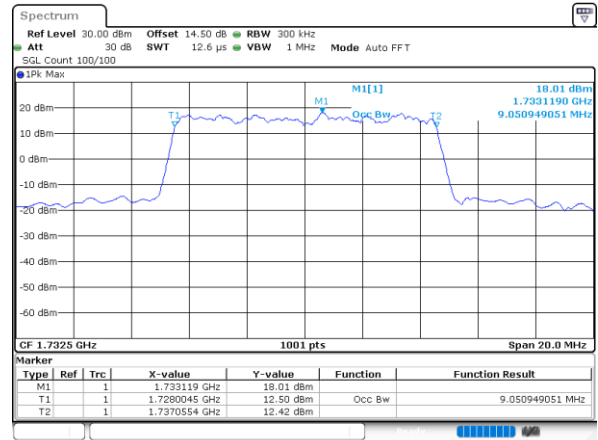


LTE Band 4

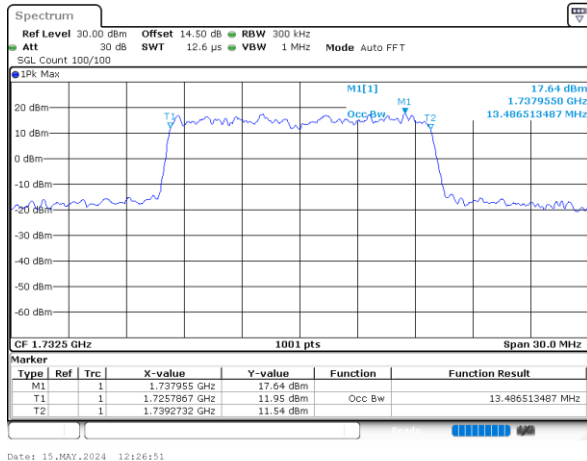
Middle Channel / 10MHz / QPSK



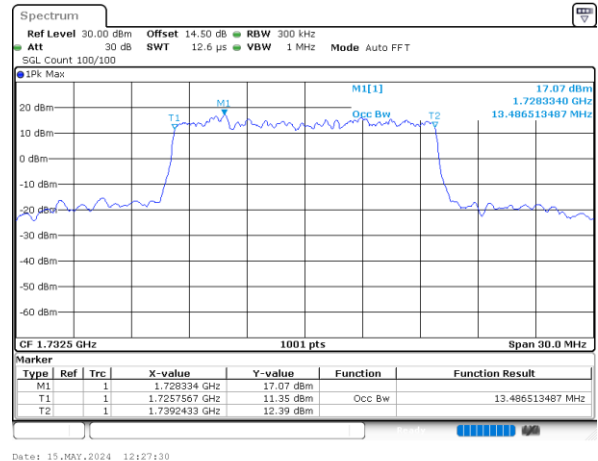
Middle Channel / 10MHz / 16QAM



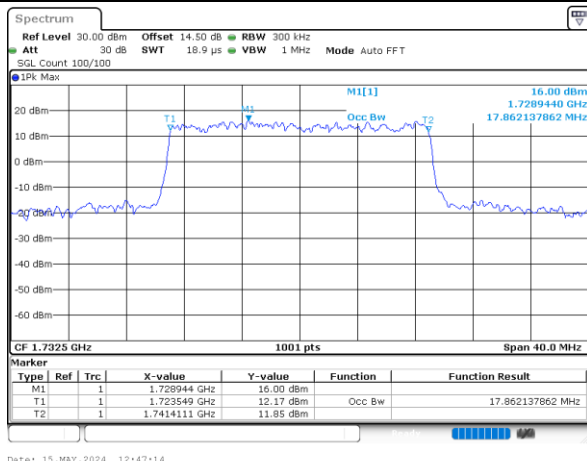
Middle Channel / 15MHz / QPSK



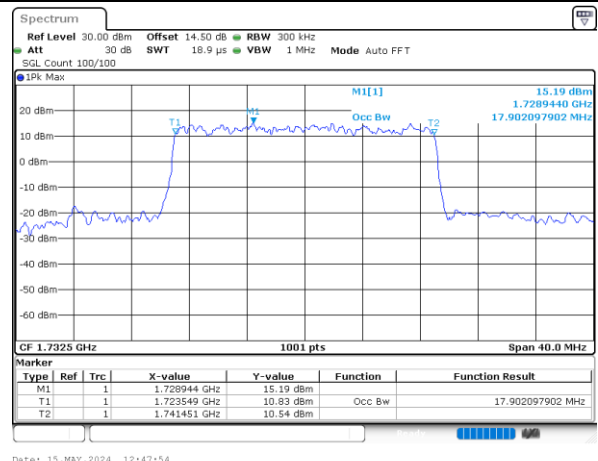
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

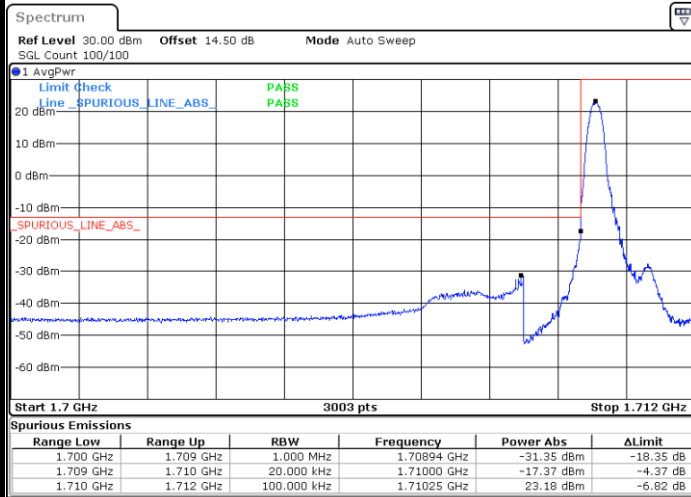




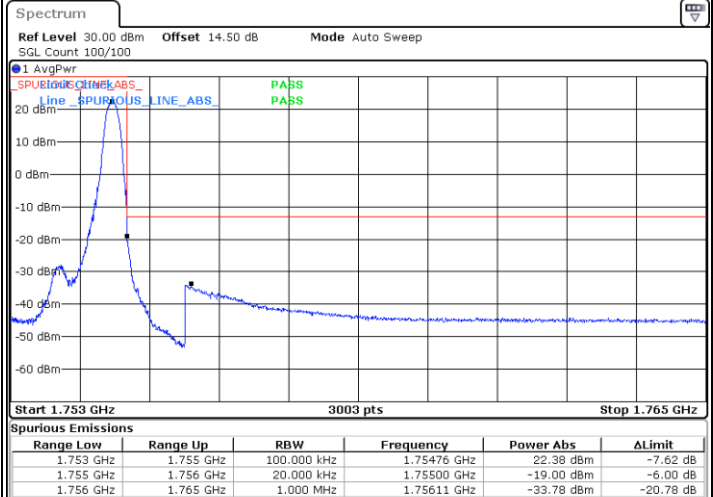
Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

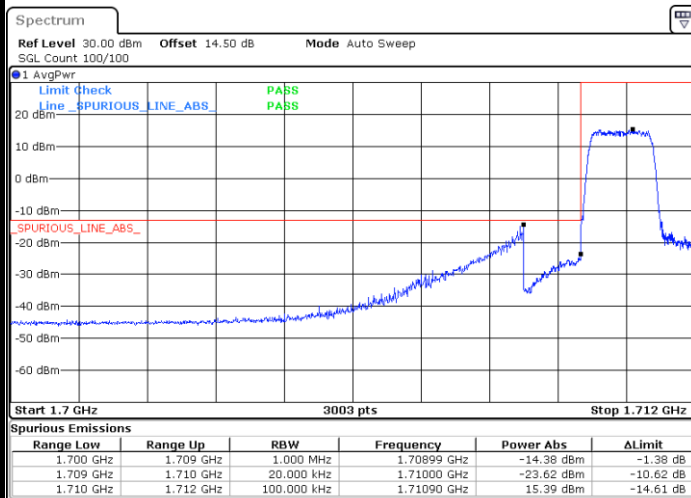
Lowest Band Edge / 1RB



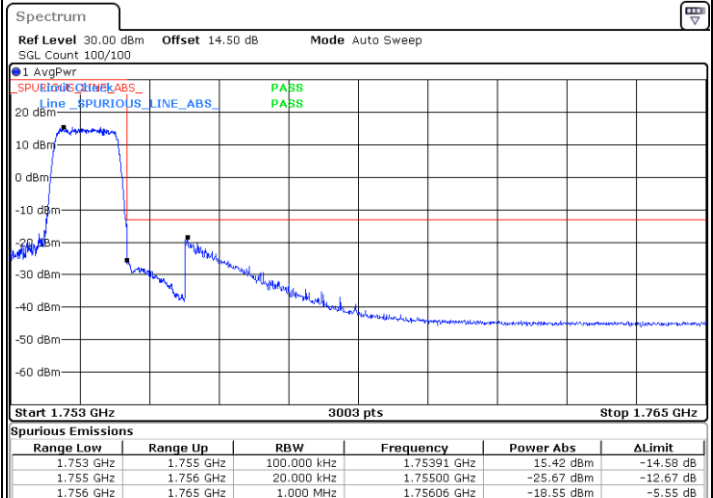
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



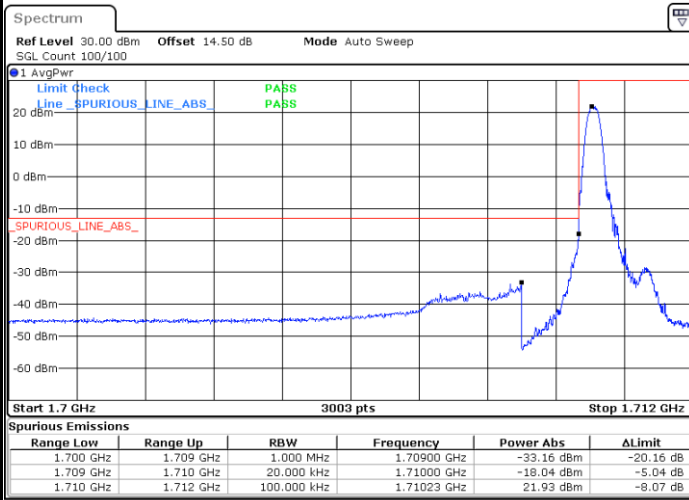
Highest Band Edge / Full RB





LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



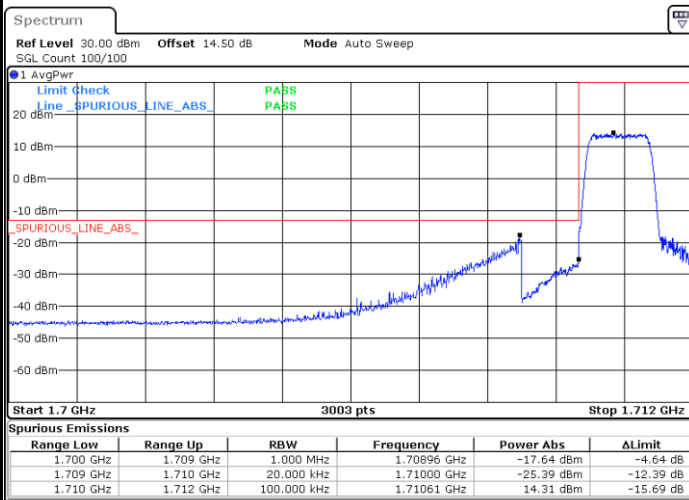
Date: 15.MAY.2024 10:56:51

Highest Band Edge / 1 RB



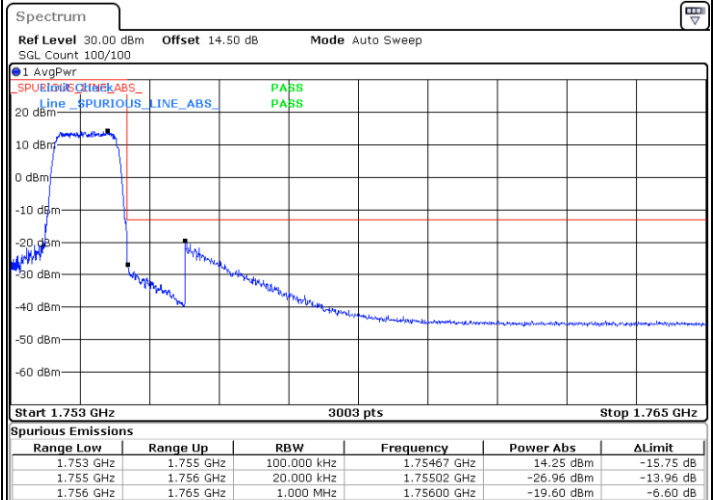
Date: 15.MAY.2024 11:08:14

Lowest Band Edge / Full RB



Date: 15.MAY.2024 11:00:09

Highest Band Edge / Full RB

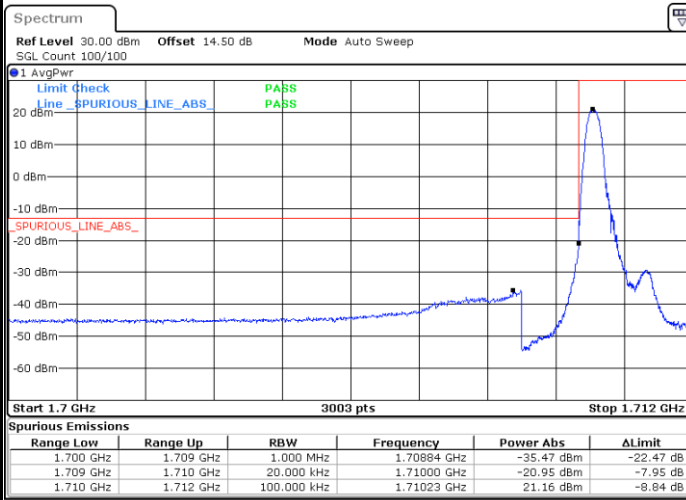


Date: 15.MAY.2024 11:11:31



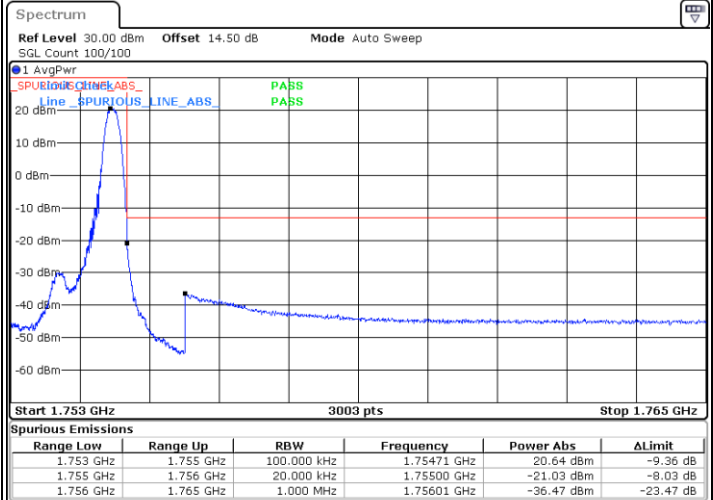
LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



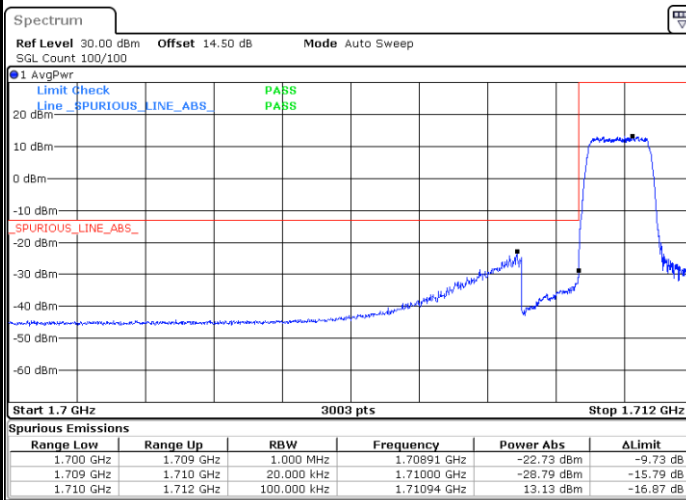
Date: 15.MAY.2024 10:57:57

Highest Band Edge / 1 RB



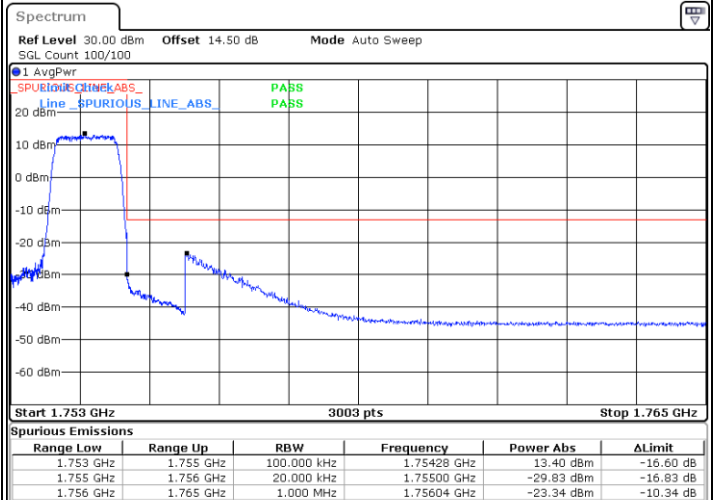
Date: 15.MAY.2024 11:09:20

Lowest Band Edge / Full RB



Date: 15.MAY.2024 11:01:15

Highest Band Edge / Full RB

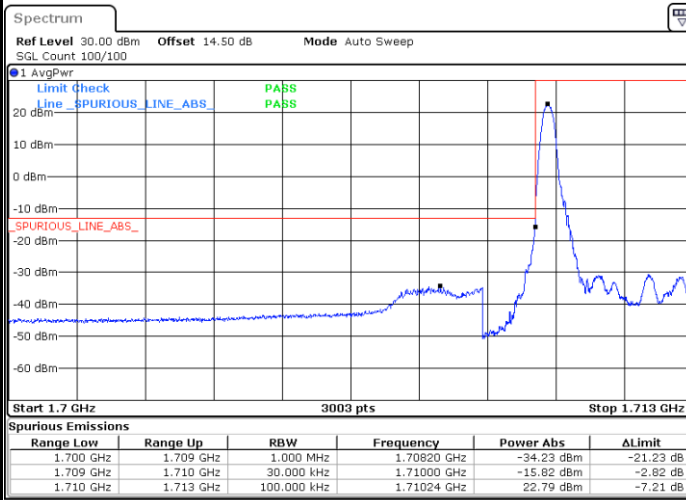


Date: 15.MAY.2024 13:30:33

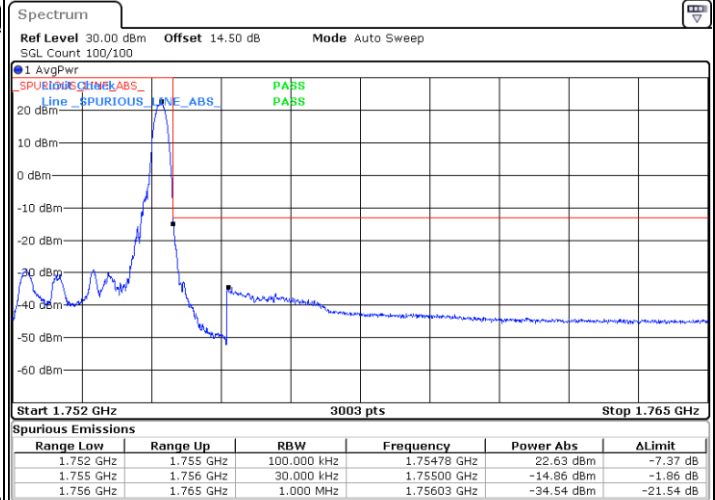


LTE Band 4 / 3MHz / QPSK

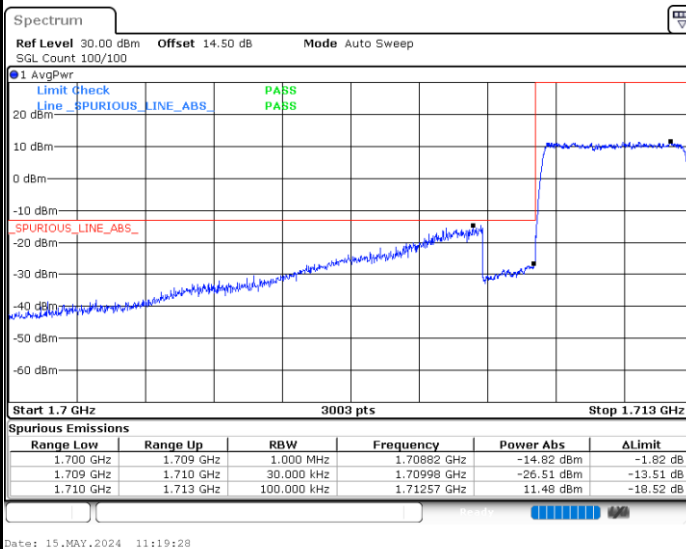
Lowest Band Edge / 1RB



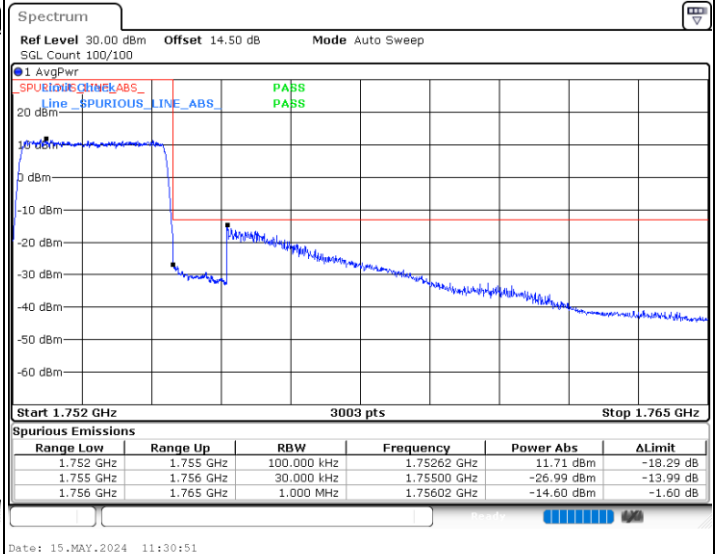
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



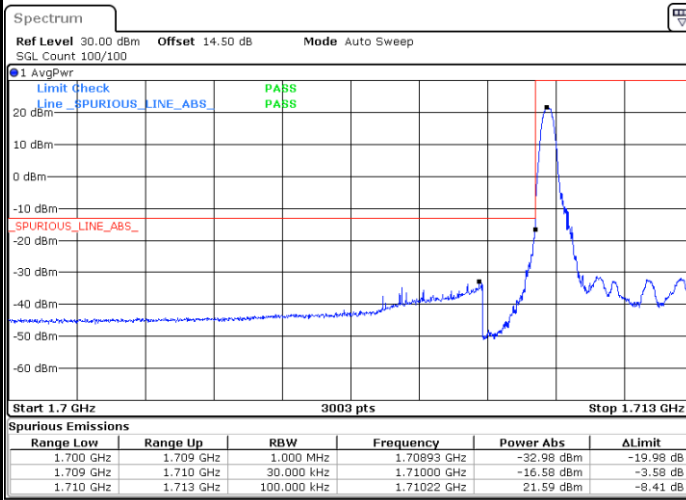
Highest Band Edge / Full RB



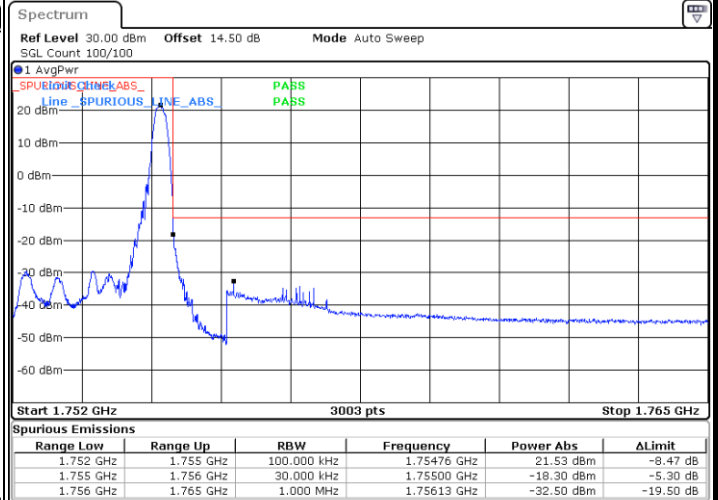


LTE Band 4 / 3MHz / 16QAM

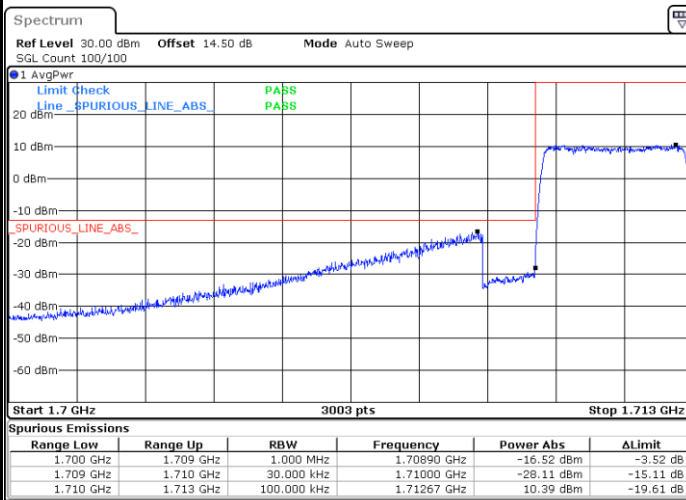
Lowest Band Edge / 1 RB



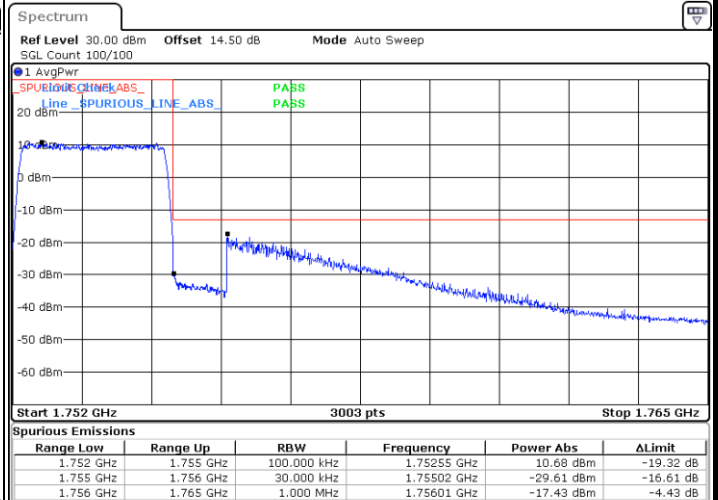
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



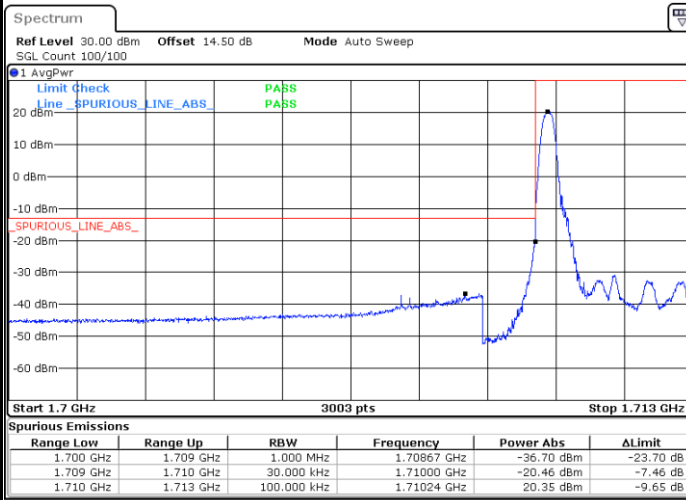
Highest Band Edge / Full RB



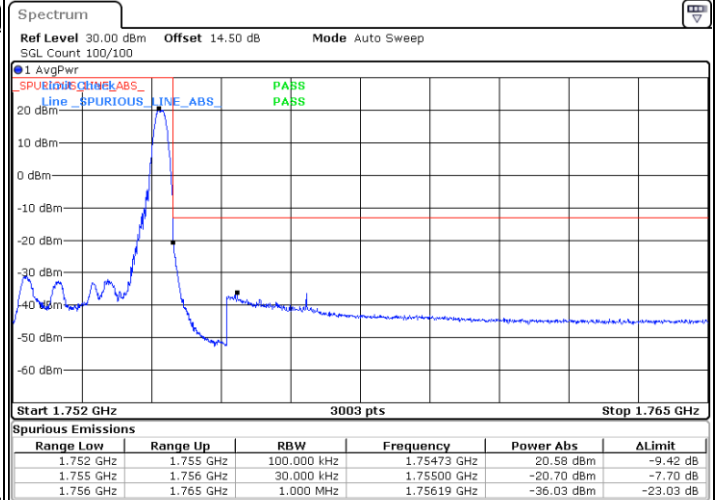


LTE Band 4 / 3MHz / 64QAM

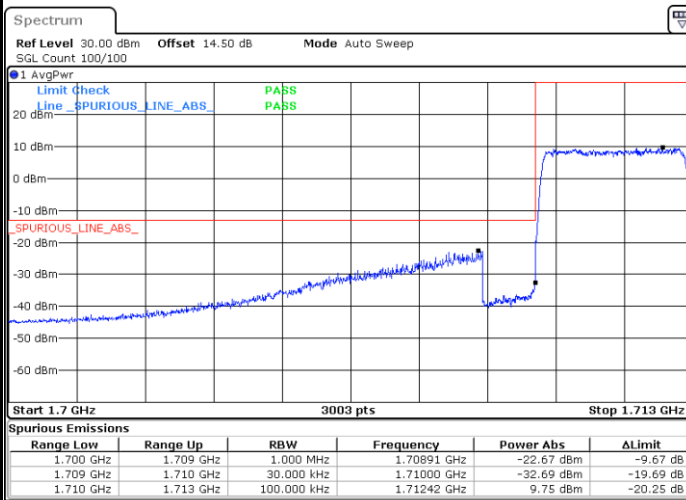
Lowest Band Edge / 1 RB



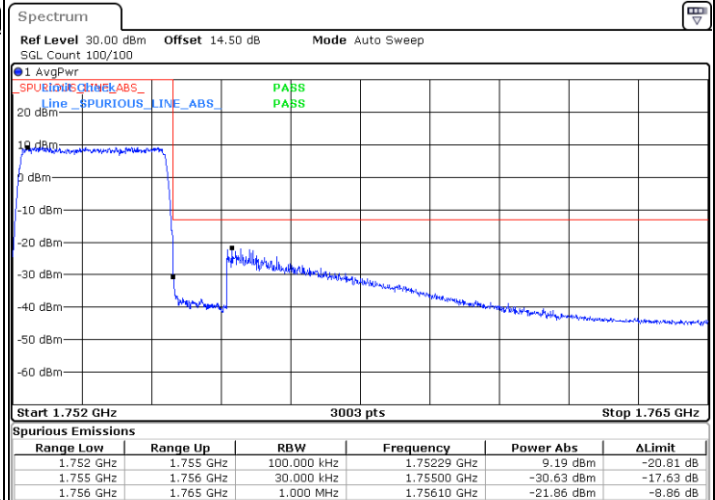
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



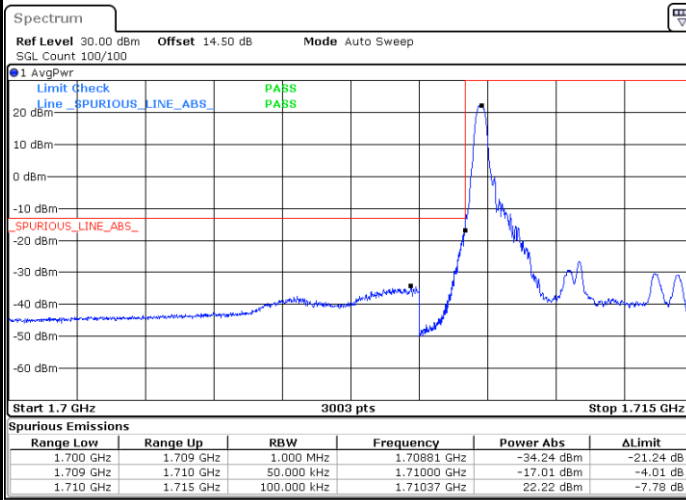
Highest Band Edge / Full RB





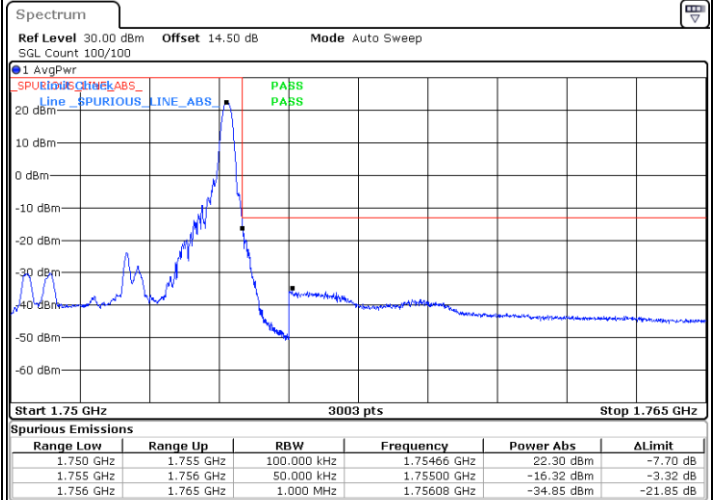
LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1RB



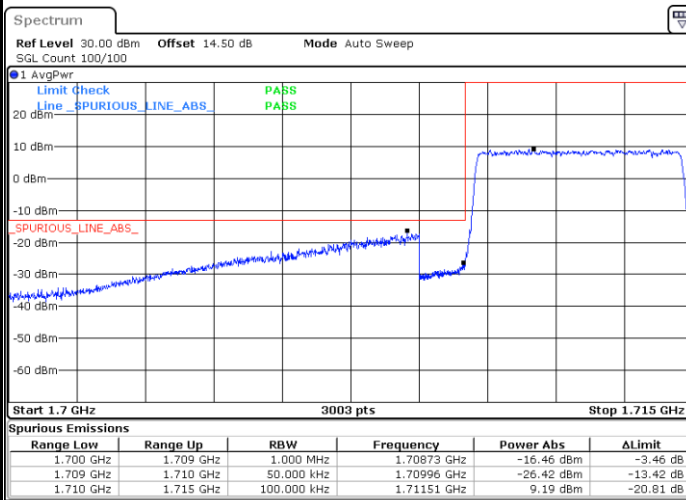
Date: 15.MAY.2024 11:36:36

Highest Band Edge / 1RB



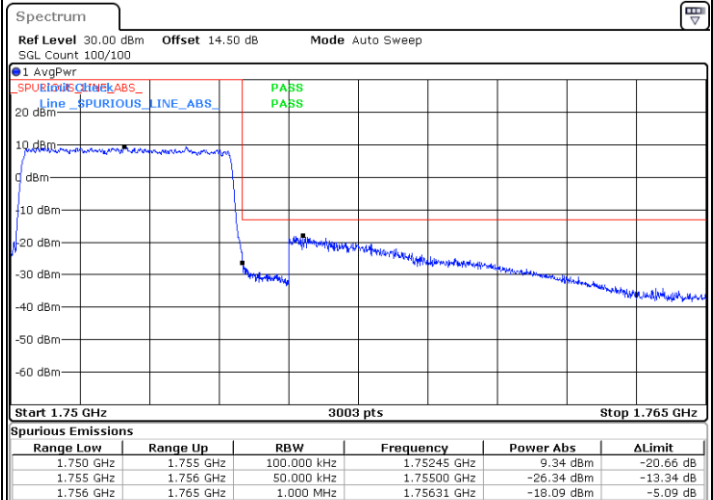
Date: 15.MAY.2024 11:48:00

Lowest Band Edge / Full RB



Date: 15.MAY.2024 11:39:54

Highest Band Edge / Full RB

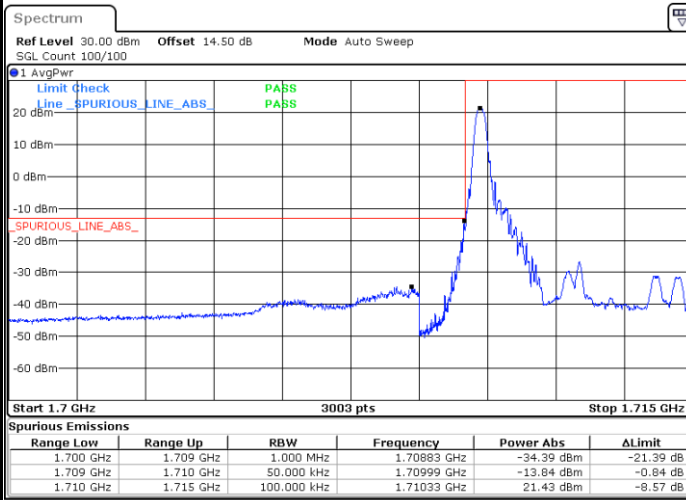


Date: 15.MAY.2024 11:51:17



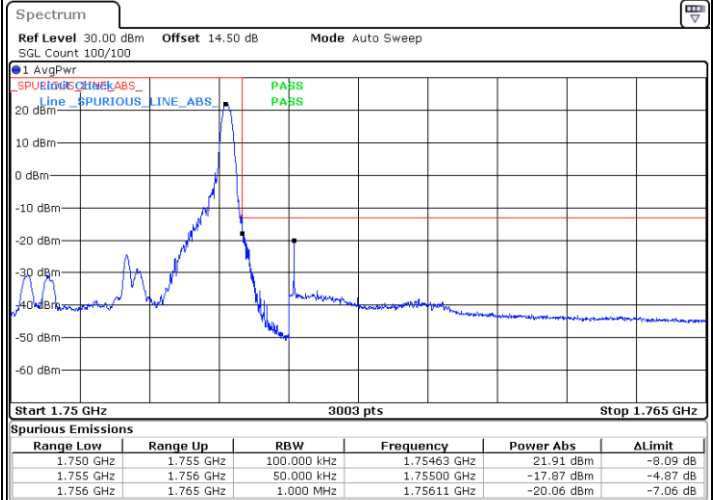
LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



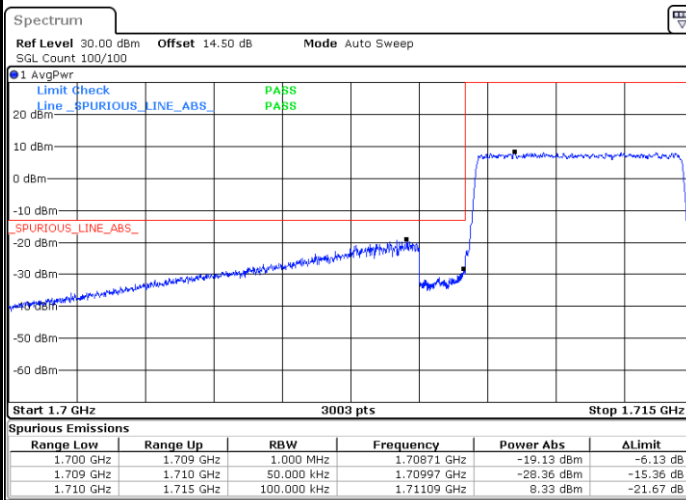
Date: 15.MAY.2024 11:37:42

Highest Band Edge / 1 RB



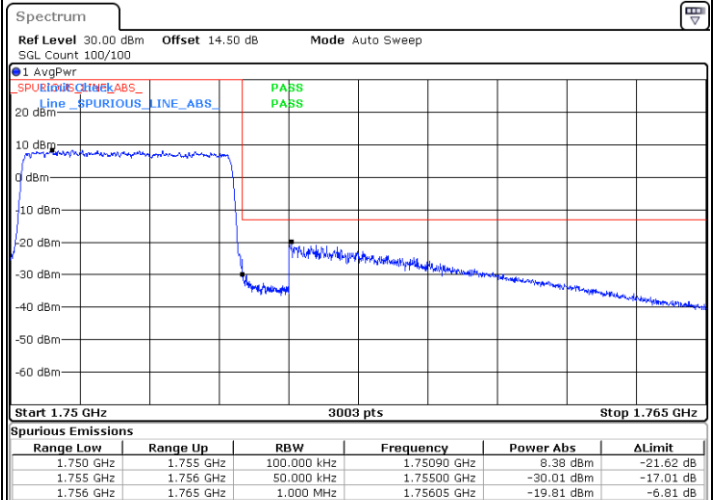
Date: 15.MAY.2024 11:49:05

Lowest Band Edge / Full RB



Date: 15.MAY.2024 11:40:59

Highest Band Edge / Full RB

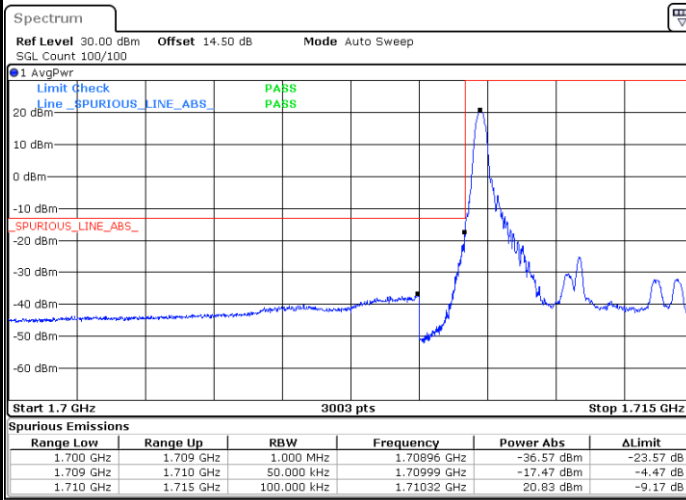


Date: 15.MAY.2024 11:52:23

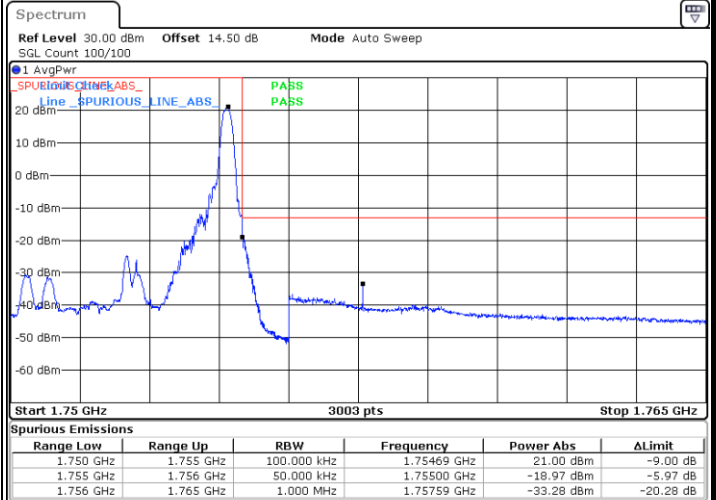


LTE Band 4 / 5MHz / 64QAM

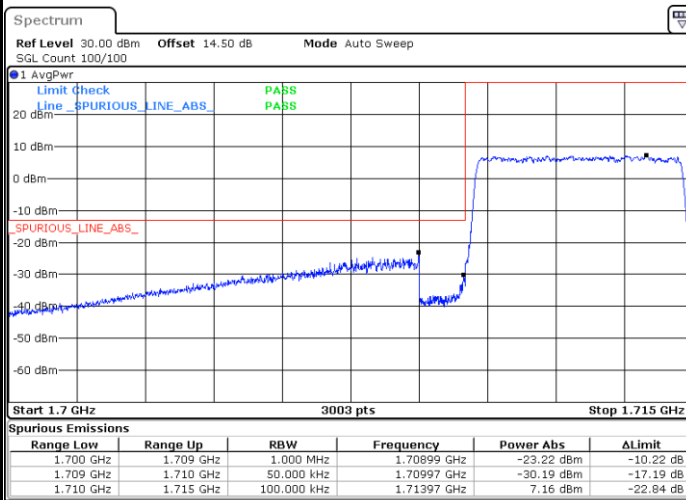
Lowest Band Edge / 1 RB



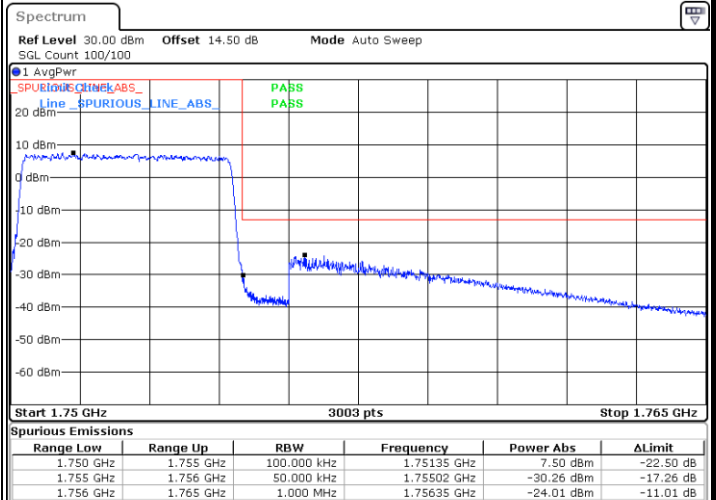
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



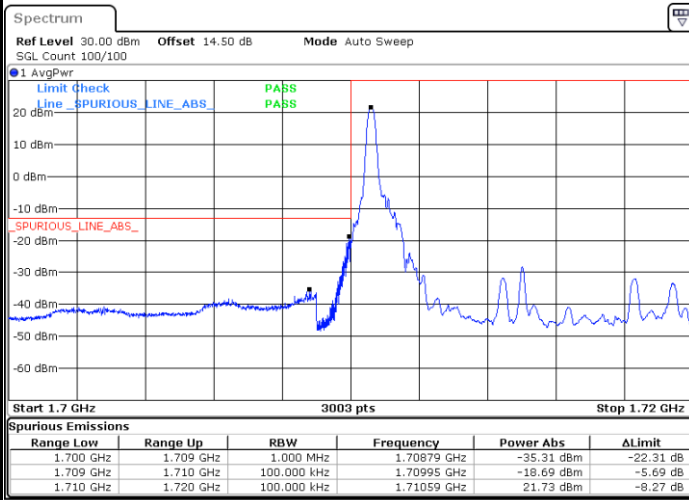
Highest Band Edge / Full RB





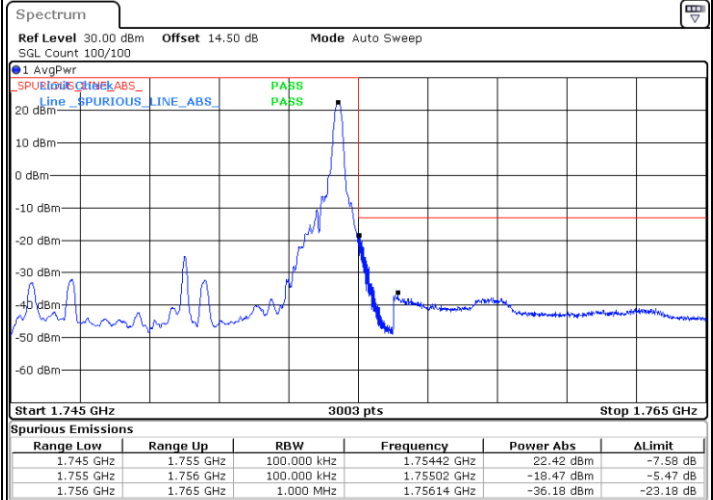
LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1RB



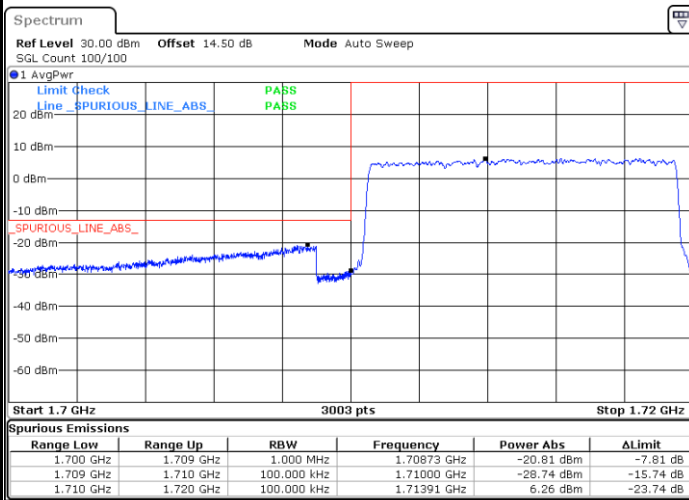
Date: 15.MAY.2024 11:57:02

Highest Band Edge / 1RB



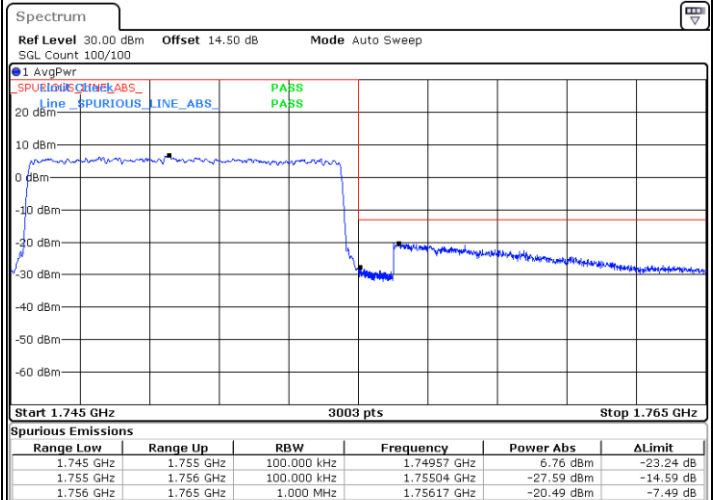
Date: 15.MAY.2024 12:08:26

Lowest Band Edge / Full RB



Date: 15.MAY.2024 12:00:20

Highest Band Edge / Full RB

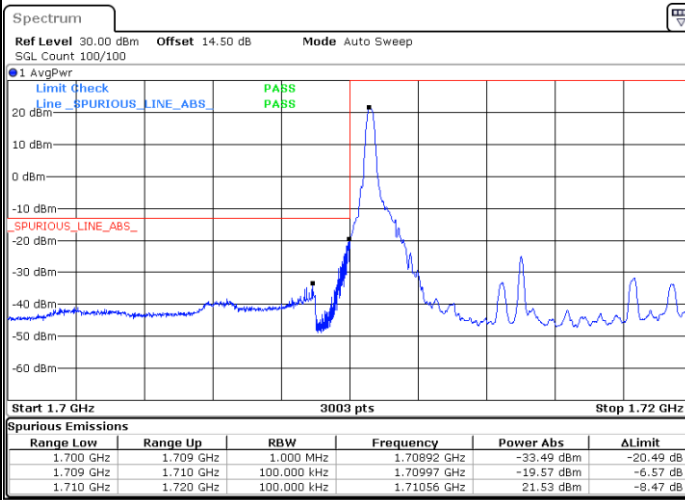


Date: 15.MAY.2024 12:11:43

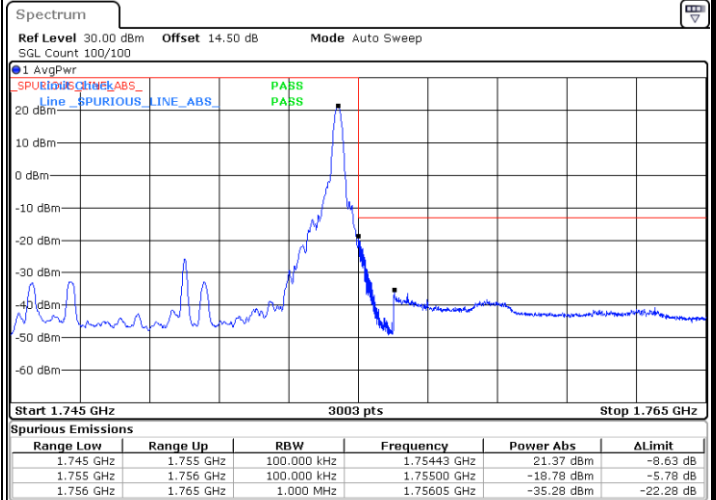


LTE Band 4 / 10MHz / 16QAM

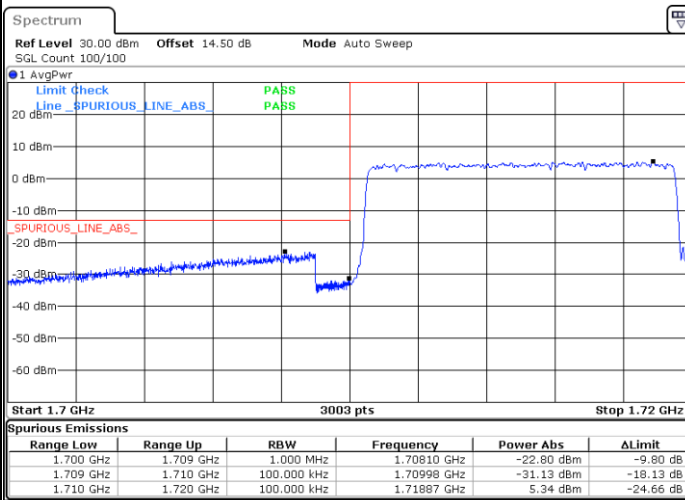
Lowest Band Edge / 1 RB



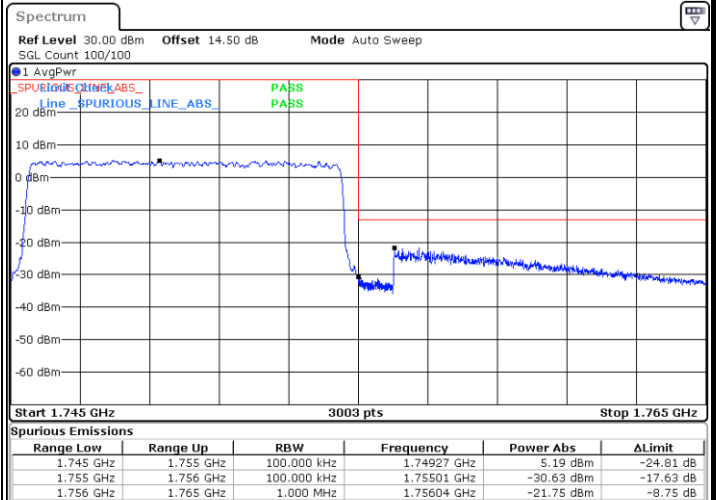
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



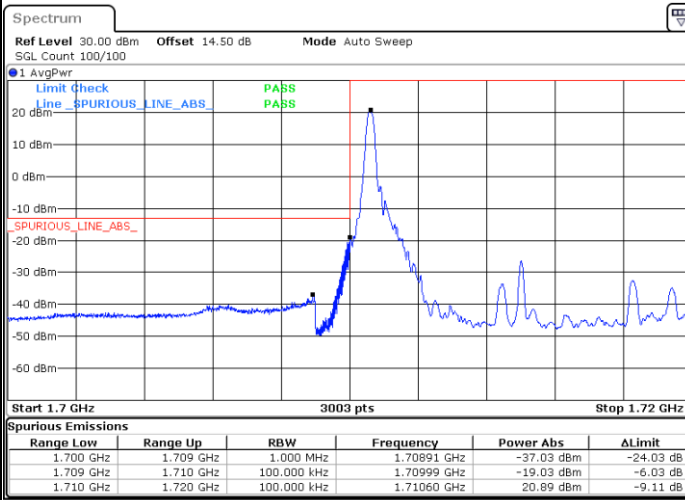
Highest Band Edge / Full RB



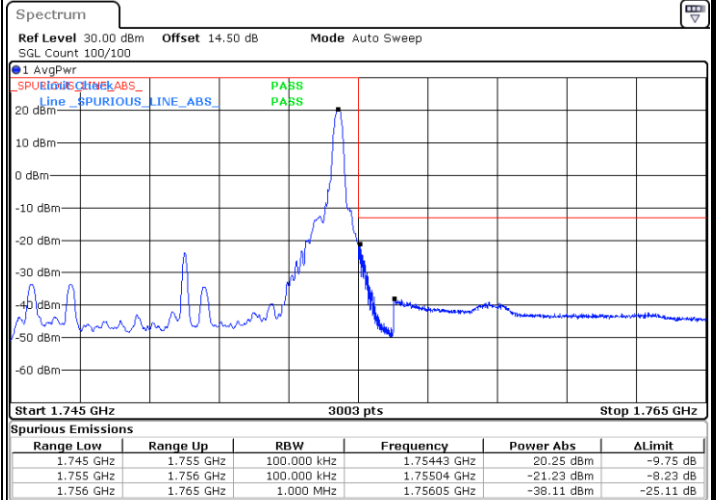


LTE Band 4 / 10MHz / 64QAM

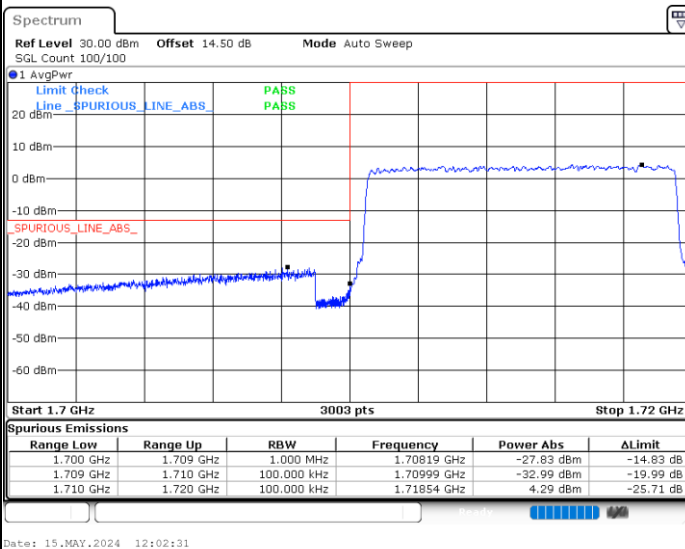
Lowest Band Edge / 1 RB



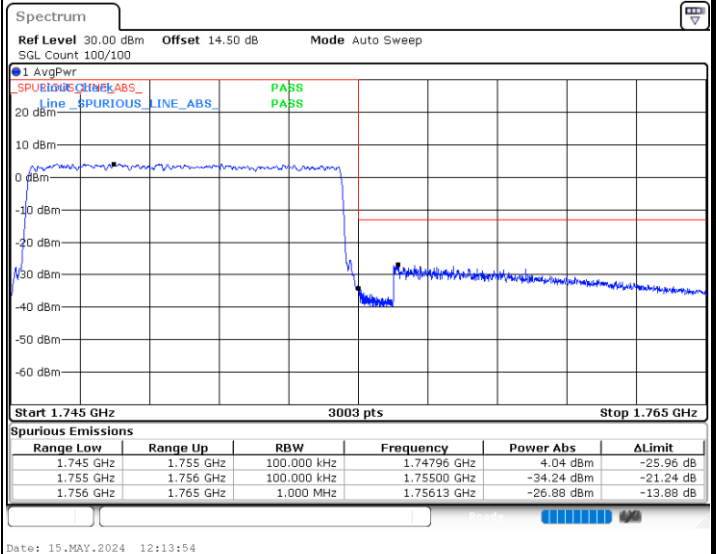
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



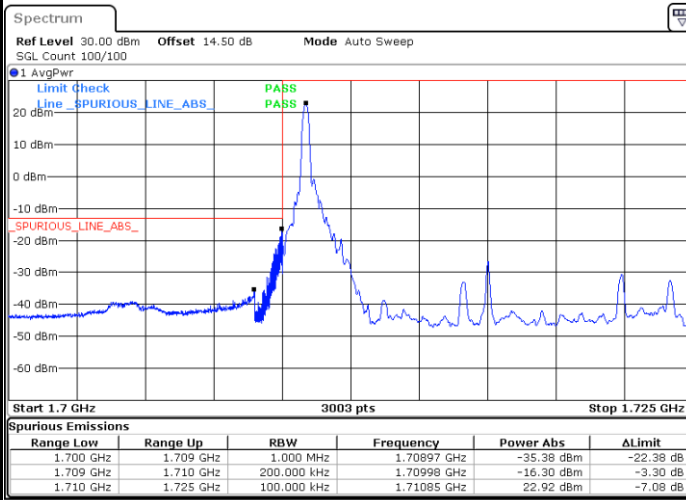
Highest Band Edge / Full RB



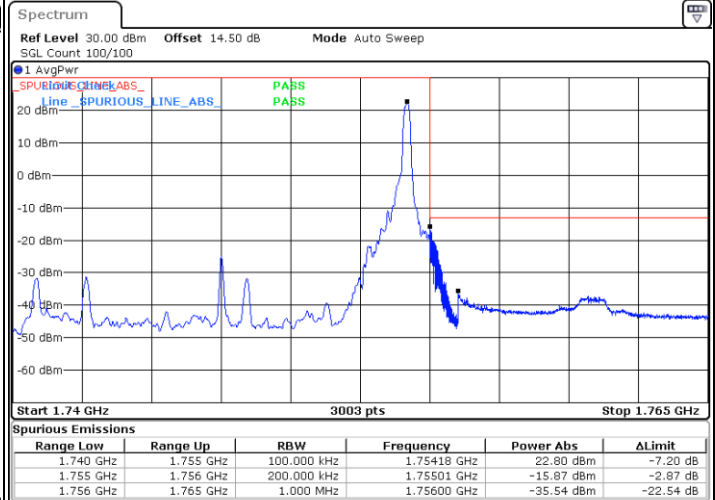


LTE Band 4 / 15MHz / QPSK

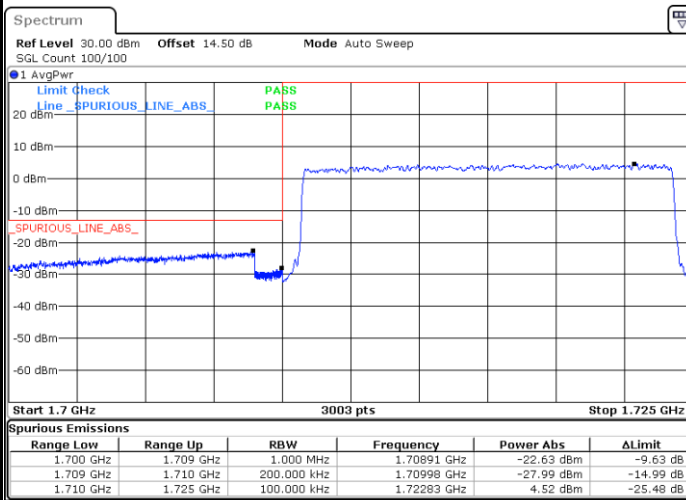
Lowest Band Edge / 1RB



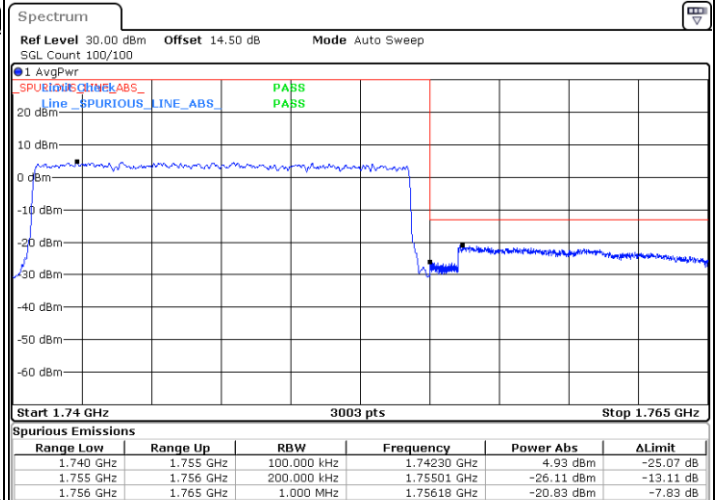
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



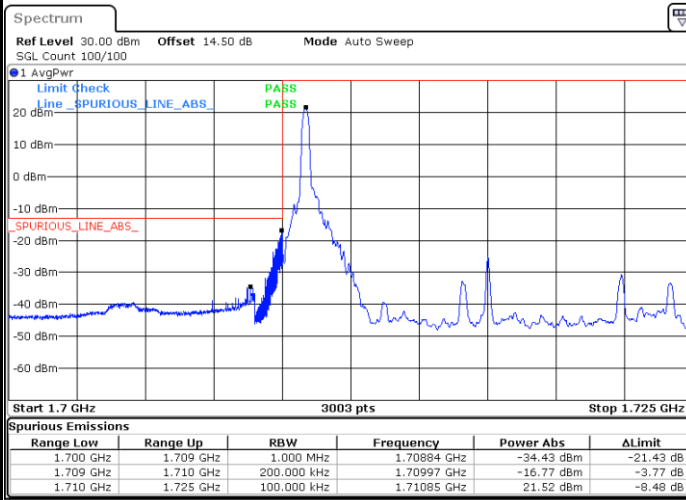
Highest Band Edge / Full RB



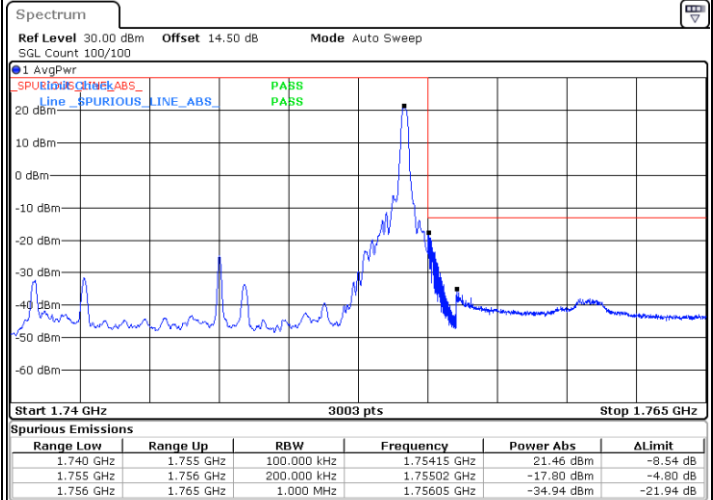


LTE Band 4 / 15MHz / 16QAM

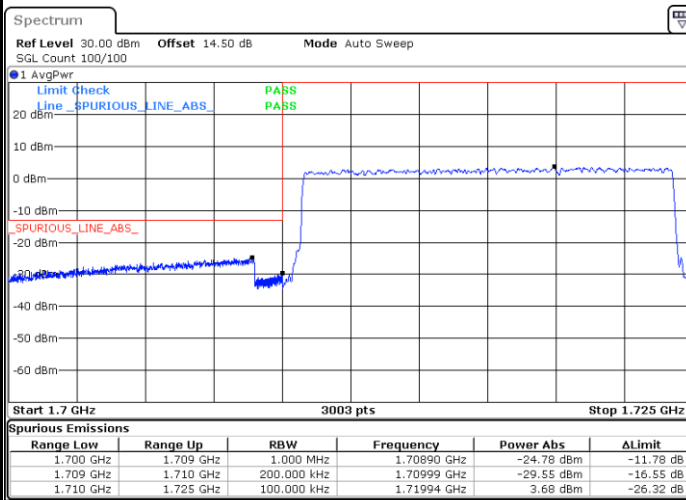
Lowest Band Edge / 1 RB



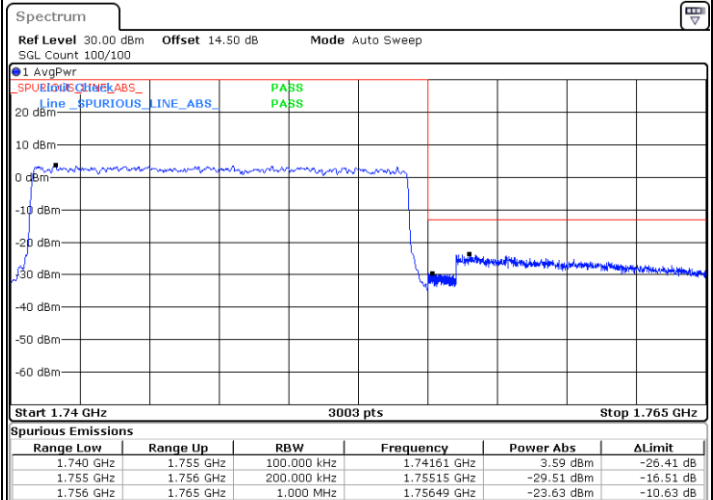
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



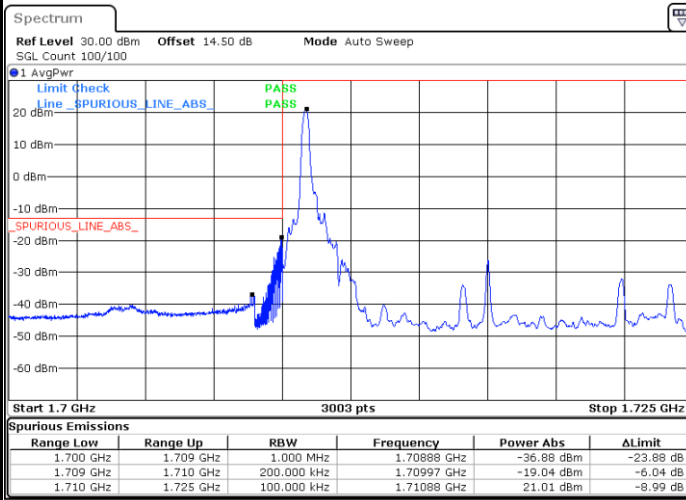
Highest Band Edge / Full RB



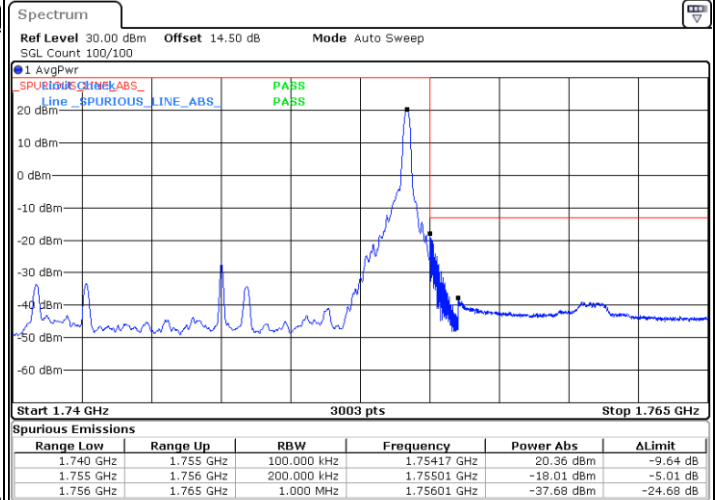


LTE Band 4 / 15MHz / 64QAM

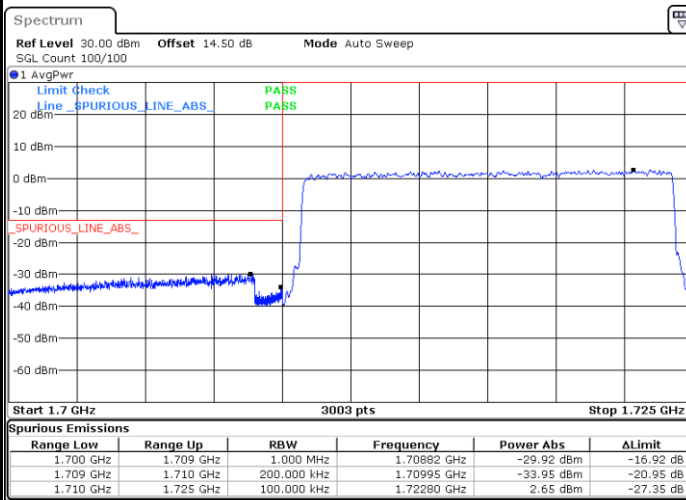
Lowest Band Edge / 1 RB



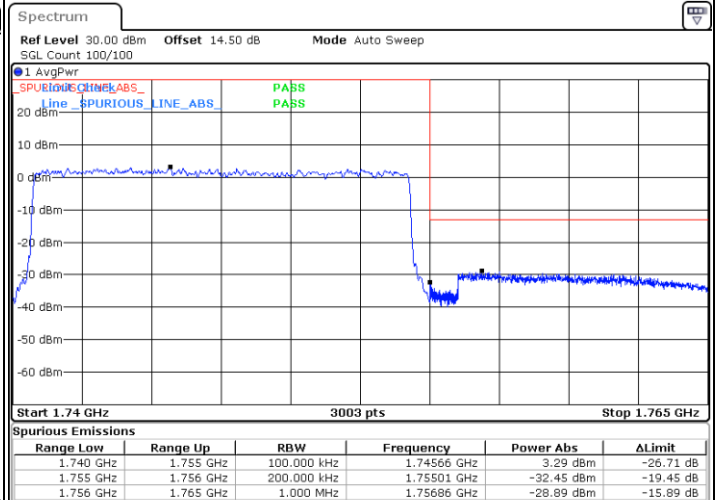
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



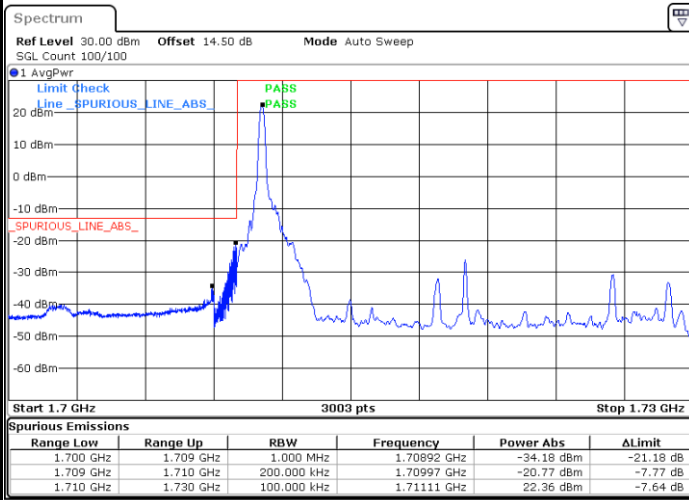
Highest Band Edge / Full RB



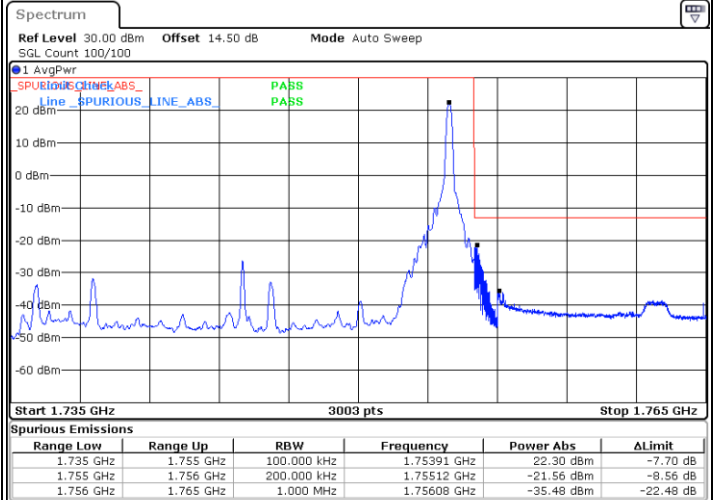


LTE Band 4 / 20MHz / QPSK

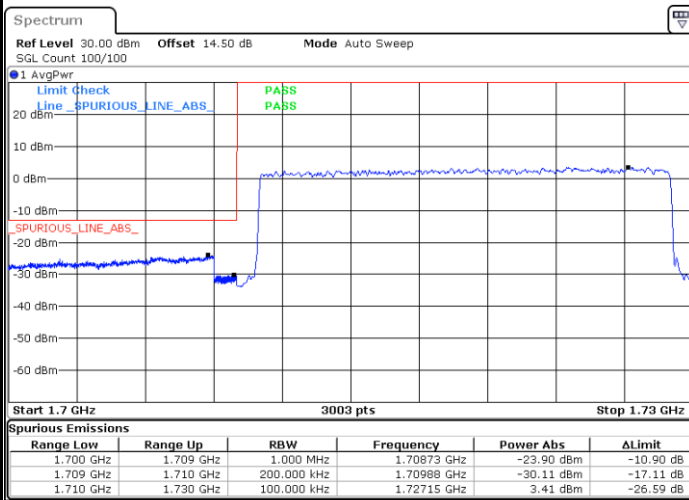
Lowest Band Edge / 1RB



Highest Band Edge / 1RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

