

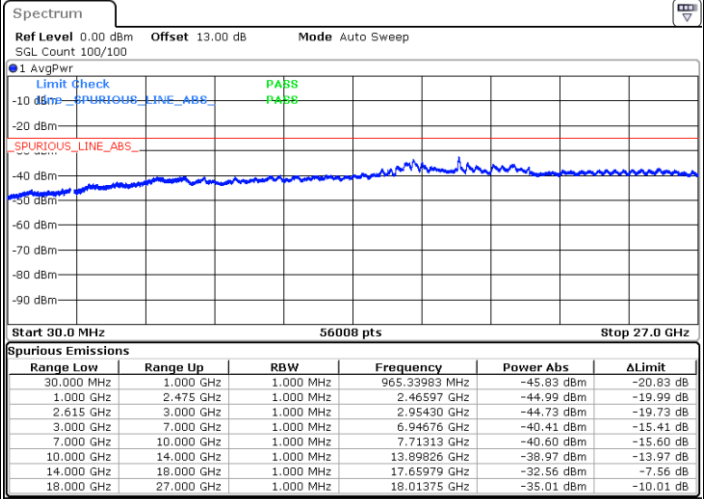
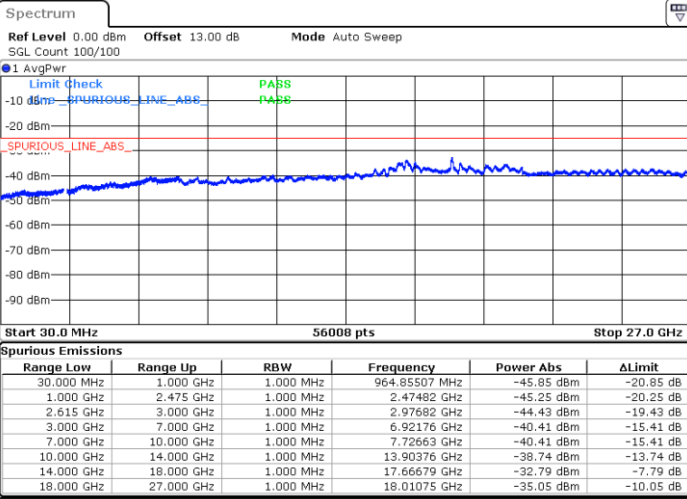


LTE Band 7C / 15MHz+10MHz

QPSK

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB74 and 1RB0

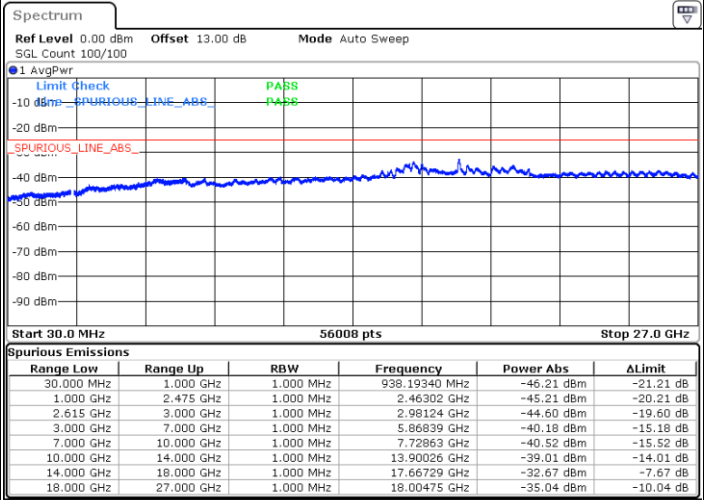
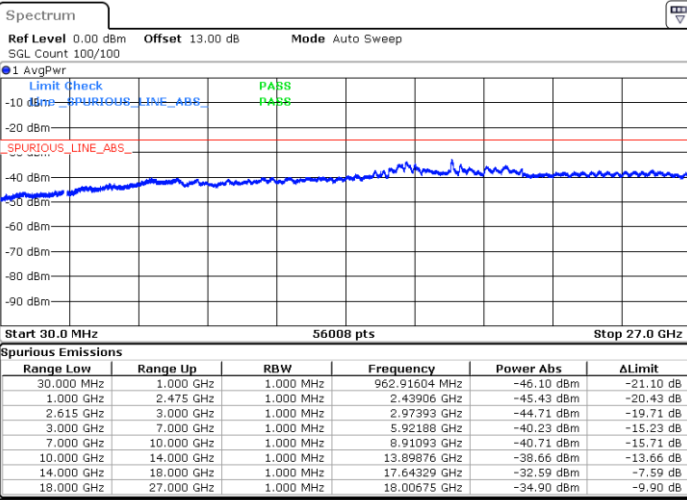


Date: 7 JUN.2024 16:23:58

Date: 7 JUN.2024 16:30:27

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB74 and 1RB0



Date: 7 JUN.2024 16:42:24

Date: 7 JUN.2024 16:44:01



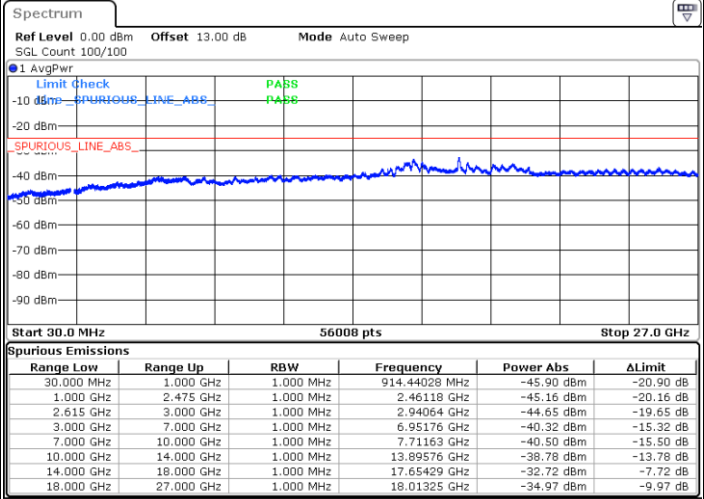
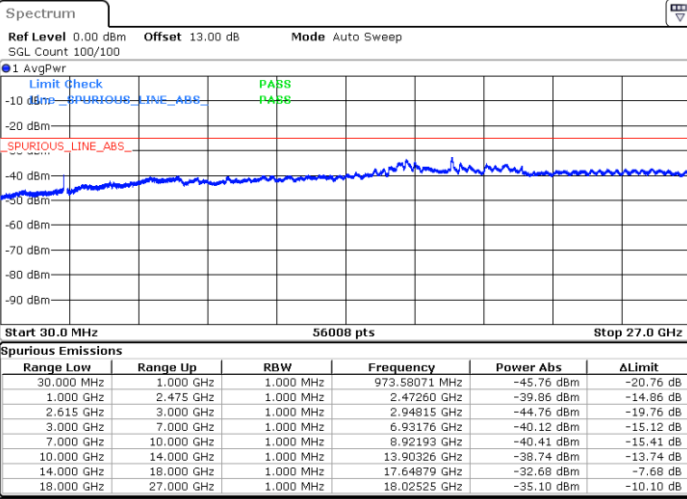


LTE Band 7C / 15MHz+15MHz

QPSK

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB74 and 1RB0

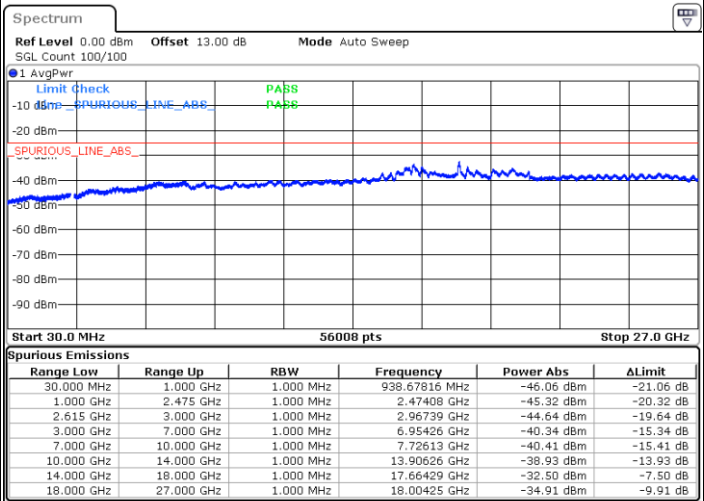
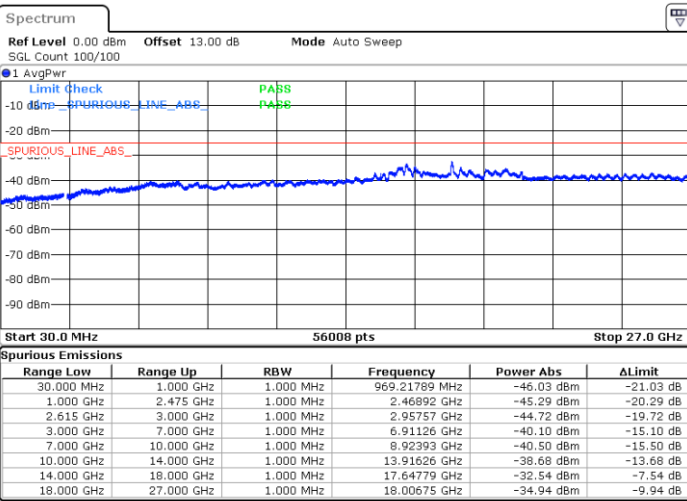


Date: 7 JUN.2024 11:29:14

Date: 7 JUN.2024 11:35:10

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB74 and 1RB0



Date: 7 JUN.2024 11:46:43

Date: 7 JUN.2024 11:48:08



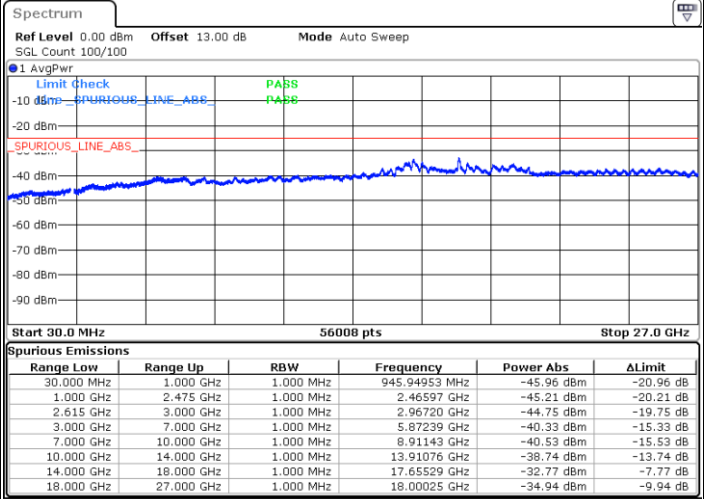
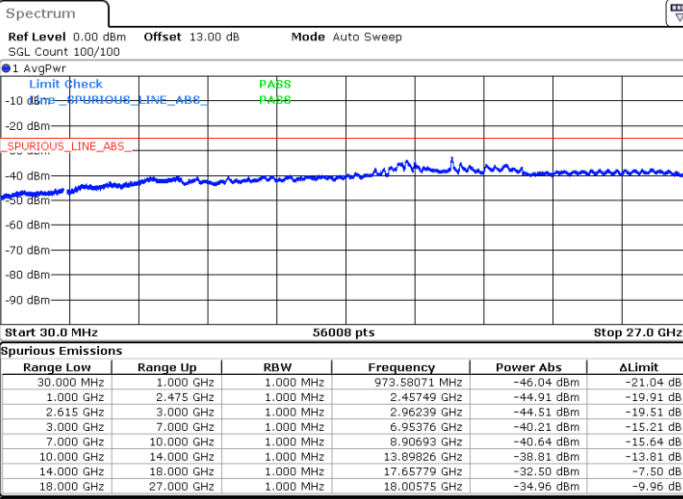


LTE Band 7C / 15MHz+20MHz

QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB74 and 1RB0

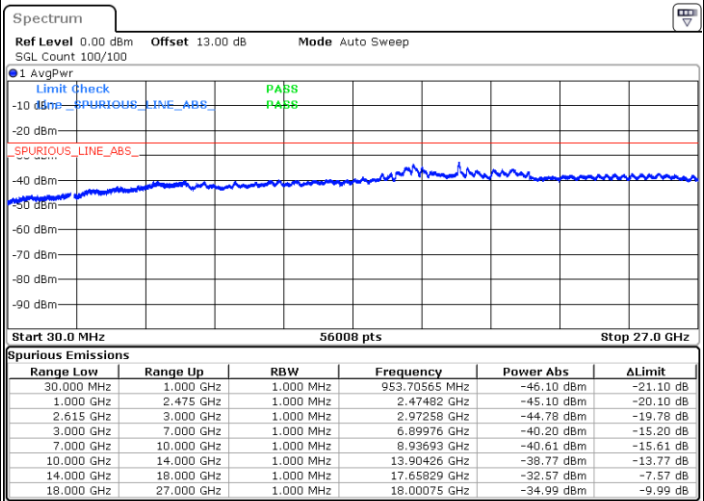
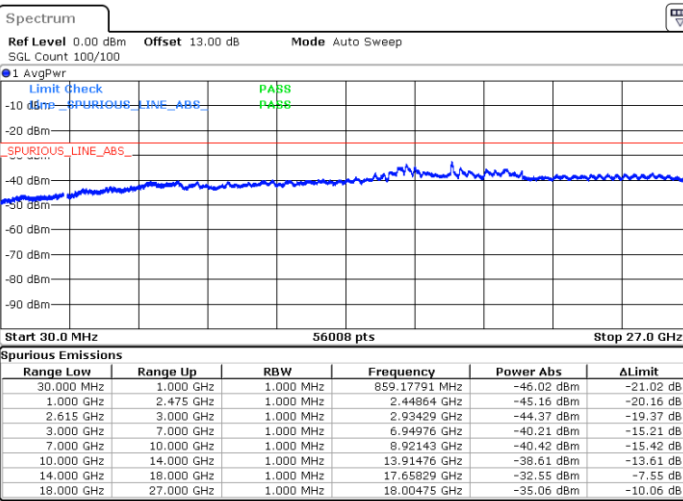


Date: 7 JUN.2024 12:21:27

Date: 7 JUN.2024 12:27:56

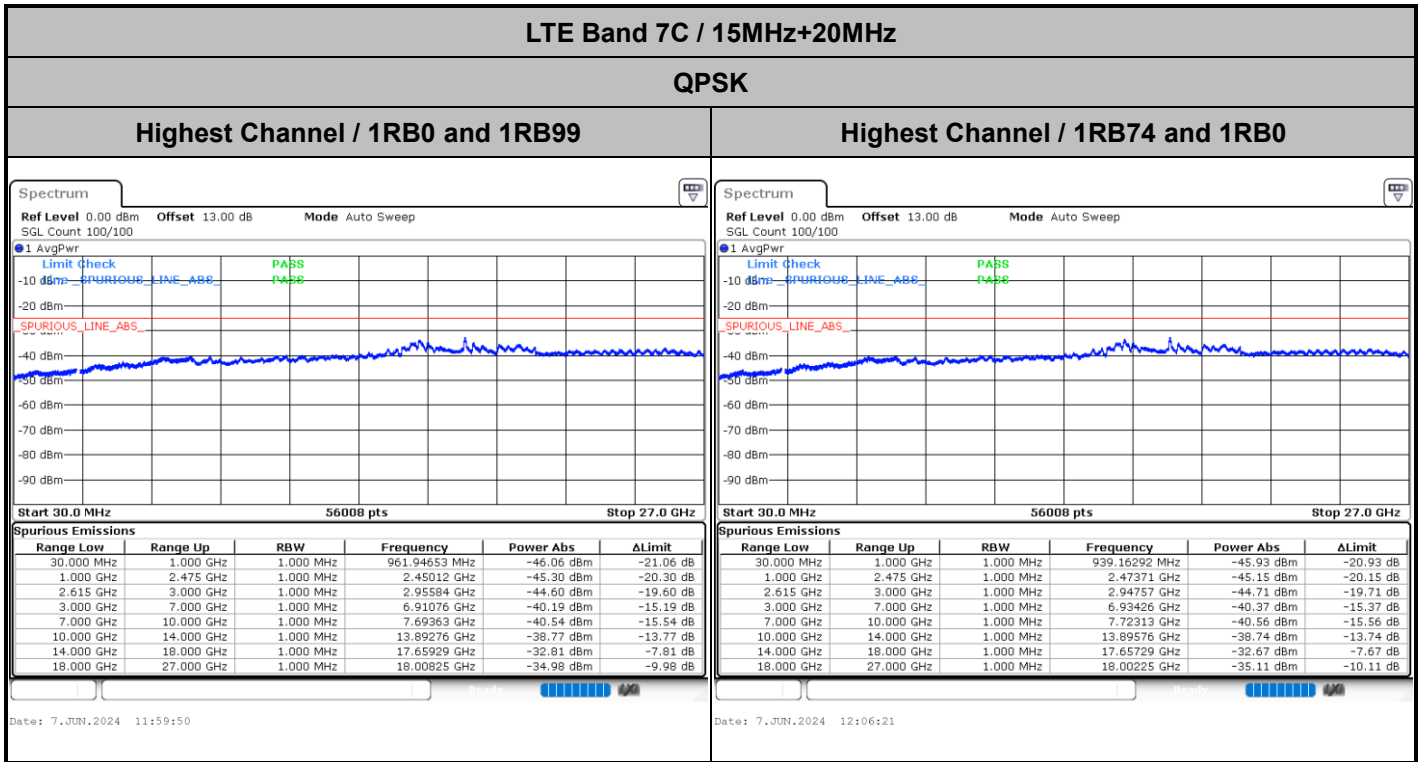
Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB74 and 1RB0



Date: 7 JUN.2024 12:40:16

Date: 7 JUN.2024 12:41:47



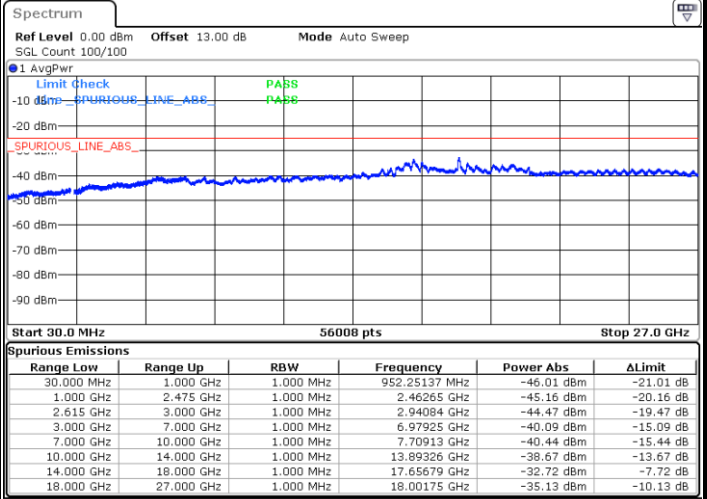
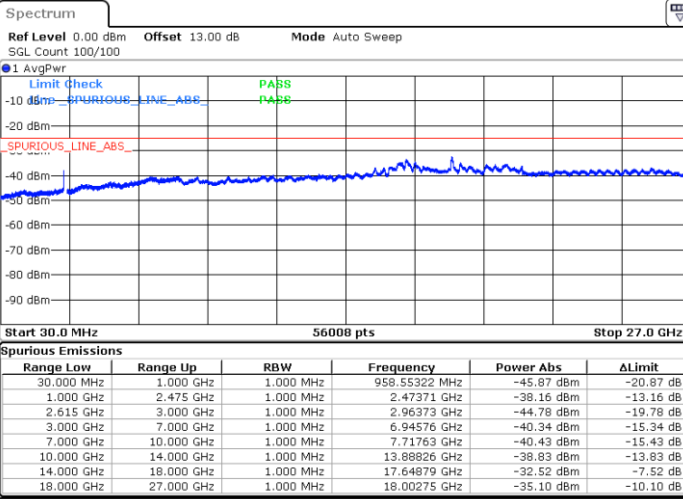


LTE Band 7C / 20MHz+10MHz

QPSK

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB99 and 1RB0

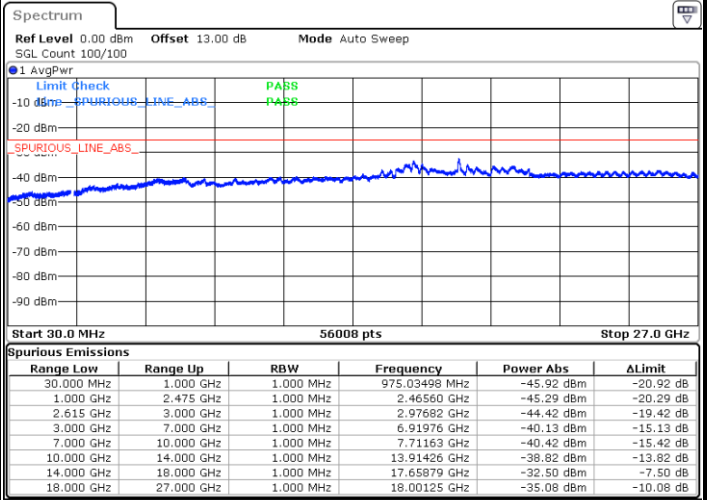
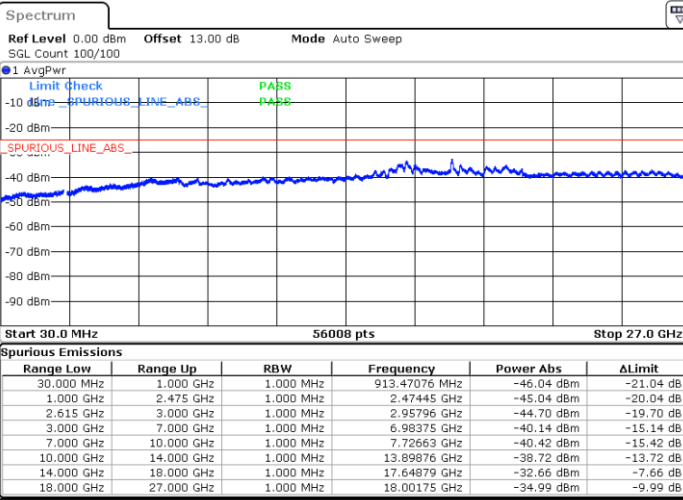


Date: 7 JUN.2024 10:37:26

Date: 7 JUN.2024 10:44:00

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB99 and 1RB0



Date: 7 JUN.2024 10:56:23

Date: 7 JUN.2024 10:57:54

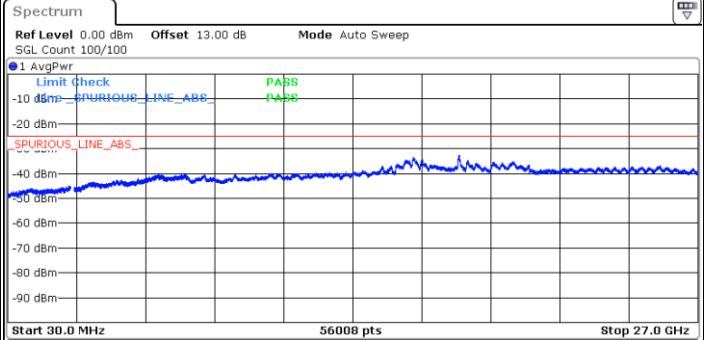
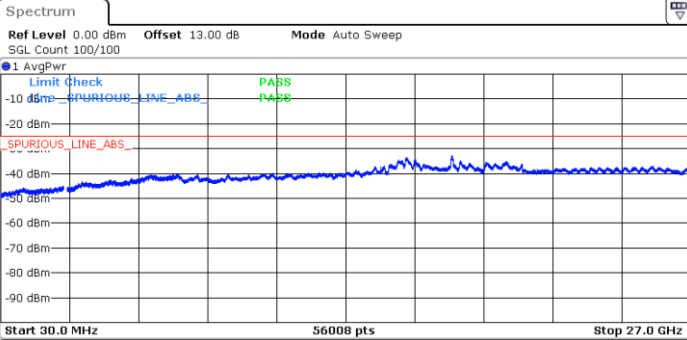


LTE Band 7C / 20MHz+10MHz

QPSK

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB99 and 1RB0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	932.37631 MHz	-45.93 dBm	-20.93 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47113 GHz	-45.07 dBm	-20.07 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.95315 GHz	-44.62 dBm	-19.62 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99625 GHz	-40.11 dBm	-15.11 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.71030 GHz	-40.41 dBm	-15.41 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.91276 GHz	-38.76 dBm	-13.76 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.65029 GHz	-32.63 dBm	-7.63 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00725 GHz	-35.10 dBm	-10.10 dB

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	953.22089 MHz	-46.05 dBm	-21.05 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.41841 GHz	-45.06 dBm	-20.06 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.95507 GHz	-44.69 dBm	-19.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-40.40 dBm	-15.40 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.73429 GHz	-40.50 dBm	-15.50 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90276 GHz	-38.84 dBm	-13.84 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.65079 GHz	-32.59 dBm	-7.59 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00825 GHz	-35.02 dBm	-10.02 dB

Date: 7 JUN.2024 10:15:38

Date: 7 JUN.2024 10:22:12



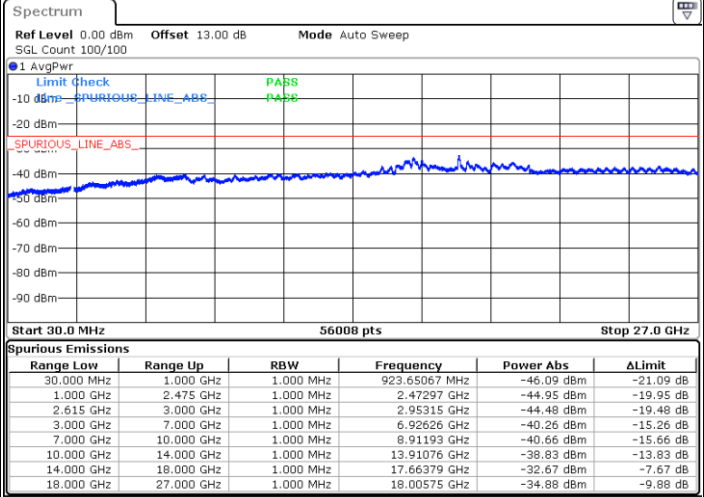
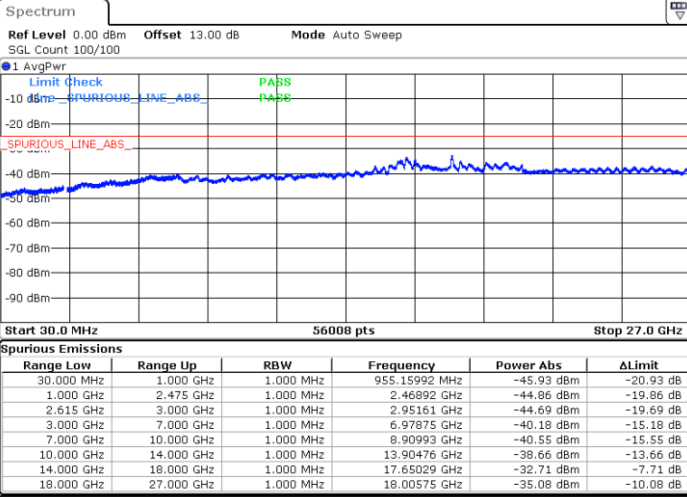


LTE Band 7C / 20MHz+15MHz

QPSK

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB99 and 1RB0

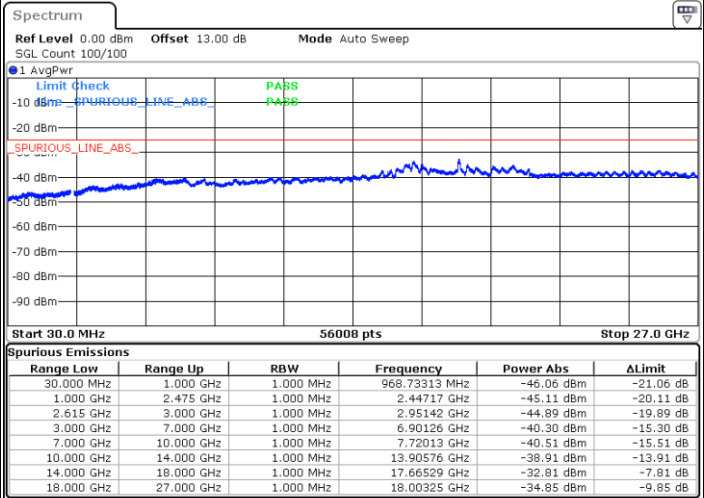
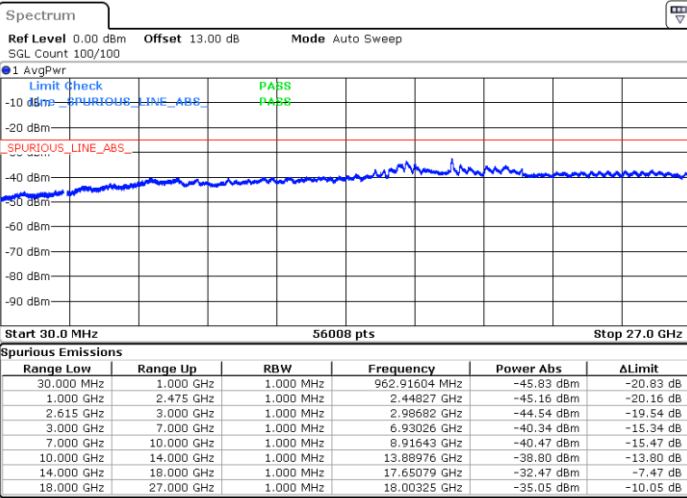


Date: 7 JUN.2024 13:14:31

Date: 7 JUN.2024 14:09:27

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0



Date: 7 JUN.2024 14:22:17

Date: 7 JUN.2024 14:23:55

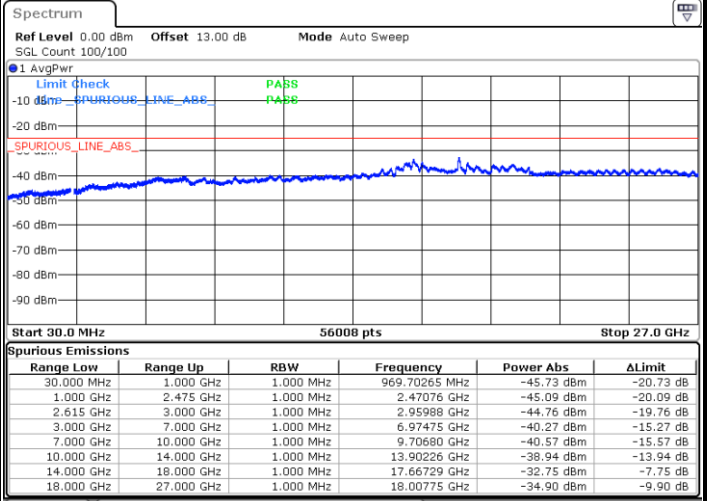
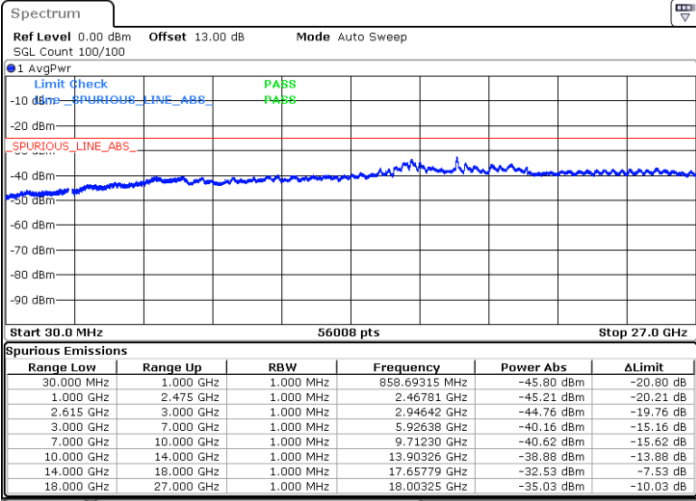


LTE Band 7C / 20MHz+15MHz

QPSK

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0



Date: 7 JUN.2024 13:03:24

Date: 7 JUN.2024 13:01:56

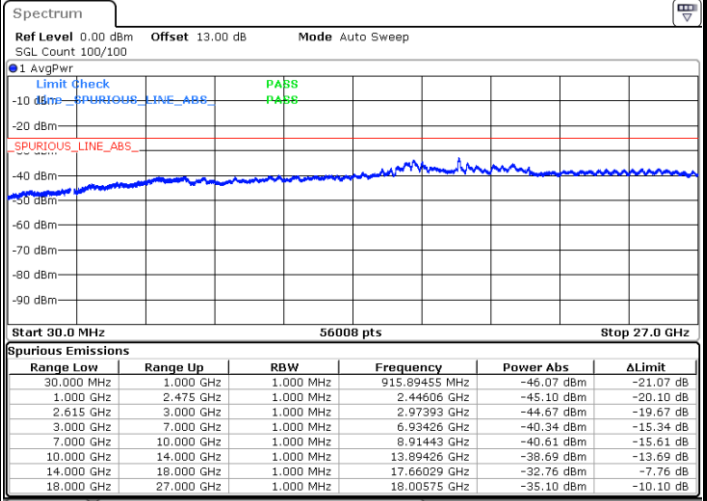
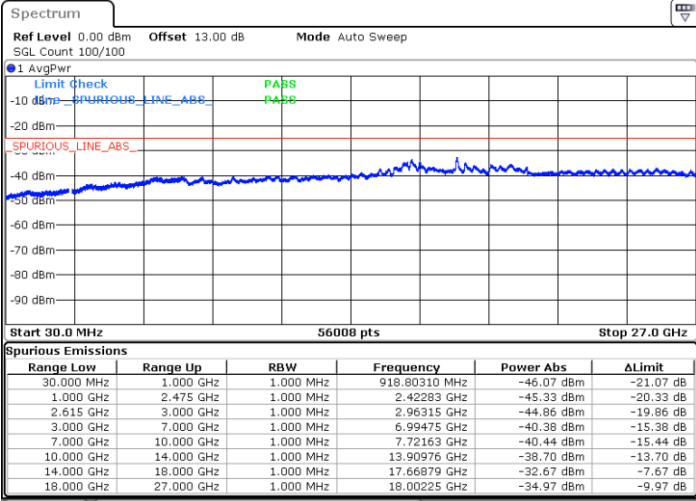


LTE Band 7C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0

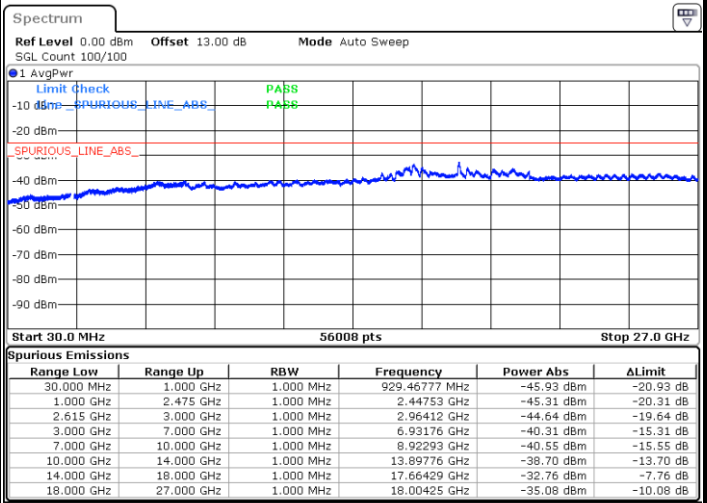
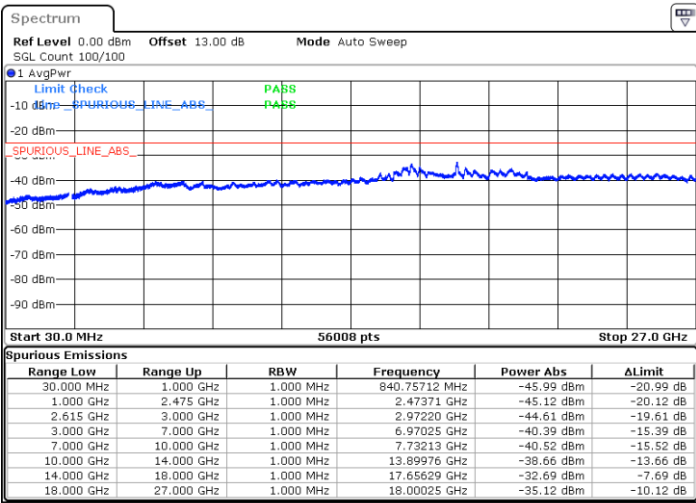


Date: 7 JUN.2024 14:54:11

Date: 7 JUN.2024 15:00:15

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



Date: 7 JUN.2024 15:49:02

Date: 7 JUN.2024 15:50:30

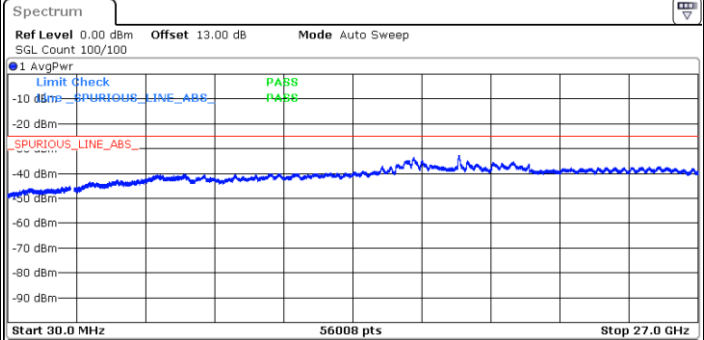
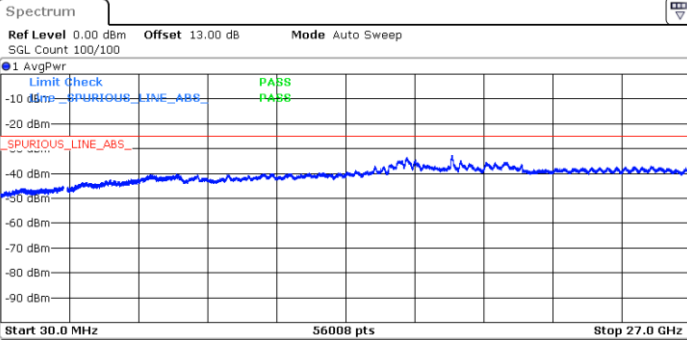


LTE Band 7C / 20MHz+20MHz

QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	864.99500 MHz	-45.99 dBm	-20.99 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46744 GHz	-45.11 dBm	-20.11 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.96142 GHz	-44.65 dBm	-19.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90826 GHz	-40.23 dBm	-15.23 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.92793 GHz	-40.47 dBm	-15.47 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90076 GHz	-38.72 dBm	-13.72 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.65829 GHz	-32.58 dBm	-7.58 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00825 GHz	-35.01 dBm	-10.01 dB

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	982.30635 MHz	-46.06 dBm	-21.06 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46412 GHz	-45.10 dBm	-20.10 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.96315 GHz	-44.83 dBm	-19.83 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96725 GHz	-40.05 dBm	-15.05 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.71713 GHz	-40.44 dBm	-15.44 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.89776 GHz	-38.94 dBm	-13.94 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.66129 GHz	-32.62 dBm	-7.62 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00325 GHz	-35.14 dBm	-10.14 dB

Date: 7 JUN.2024 14:34:27

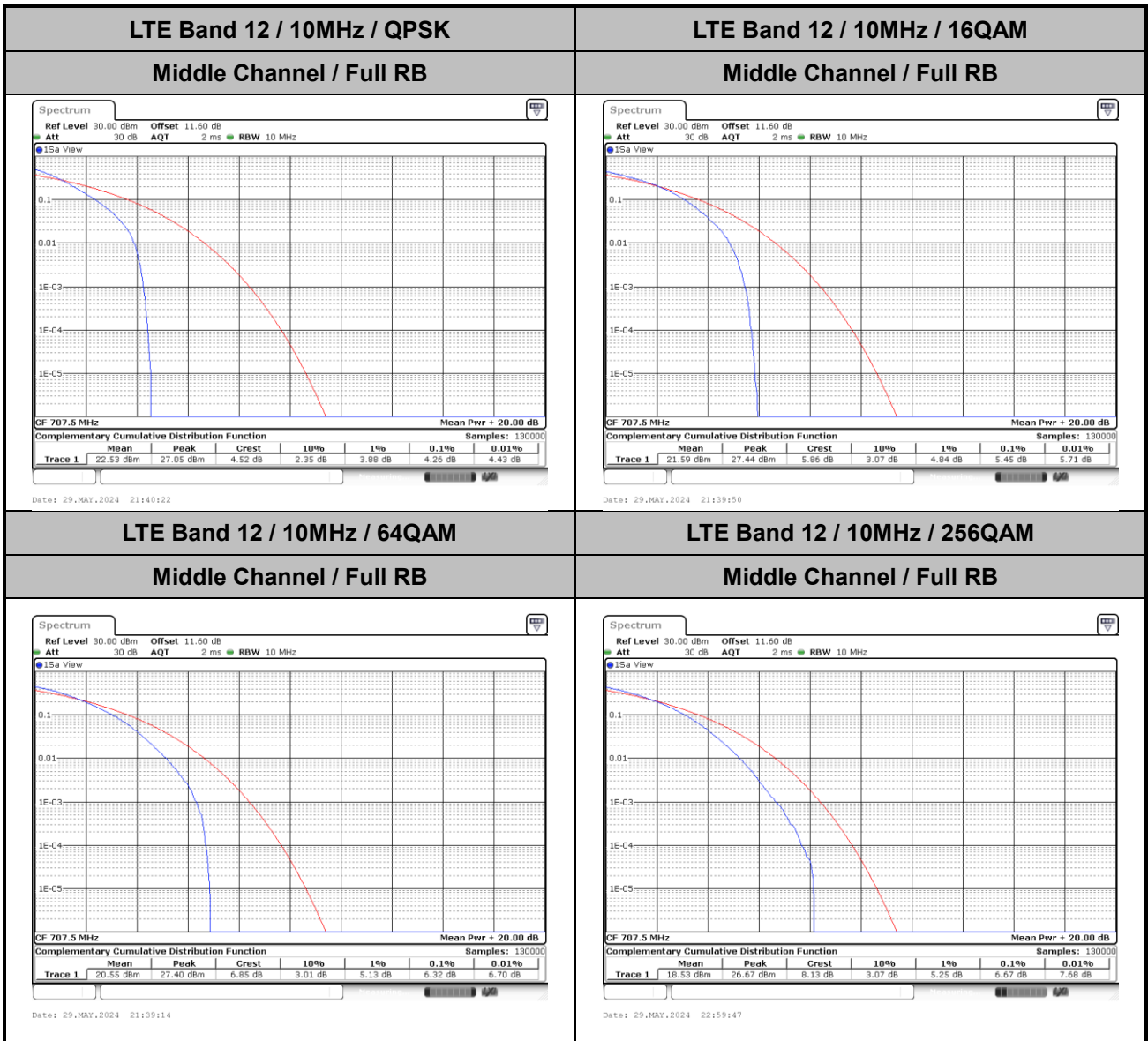
Date: 7 JUN.2024 14:40:29



# LTE Band 12

## Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.26	5.45	6.32	6.67	PASS





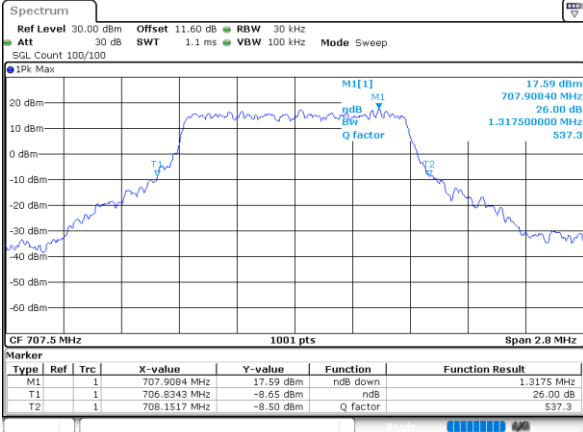
**26dB Bandwidth**

Mode	LTE Band 12 : 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	1.31	1.36	3.03	3.06	4.99	4.98	9.76	9.68	-	-	-	-
Mode	LTE Band 12 : 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	1.35	1.34	3.03	3.05	4.94	4.90	9.92	9.75	-	-	-	-



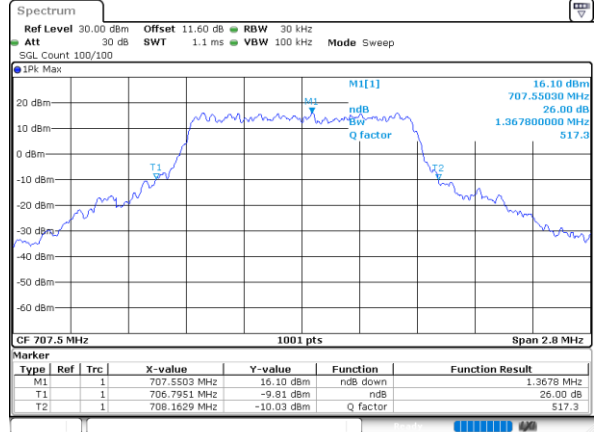
LTE Band 12

Middle Channel / 1.4MHz / QPSK



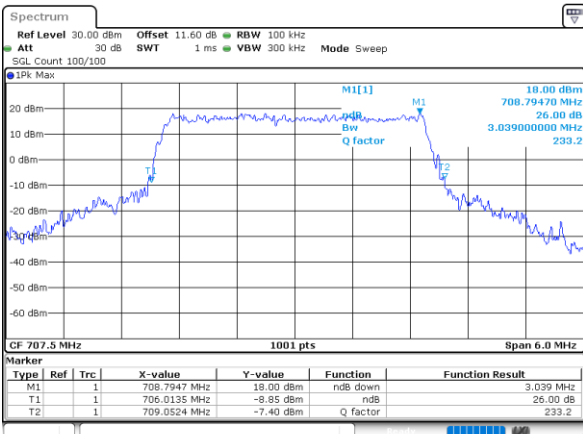
Date: 29\_MAY.2024 20:57:55

Middle Channel / 1.4MHz / 16QAM



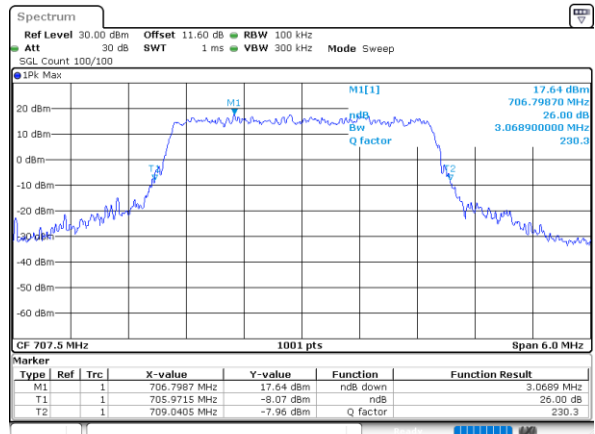
Date: 29\_MAY.2024 20:58:26

Middle Channel / 3MHz / QPSK



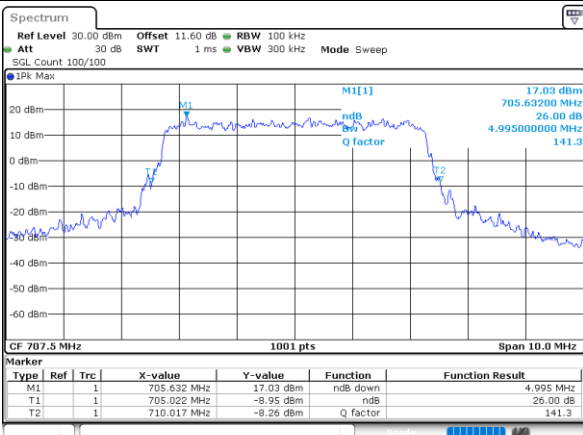
Date: 29\_MAY.2024 21:14:11

Middle Channel / 3MHz / 16QAM



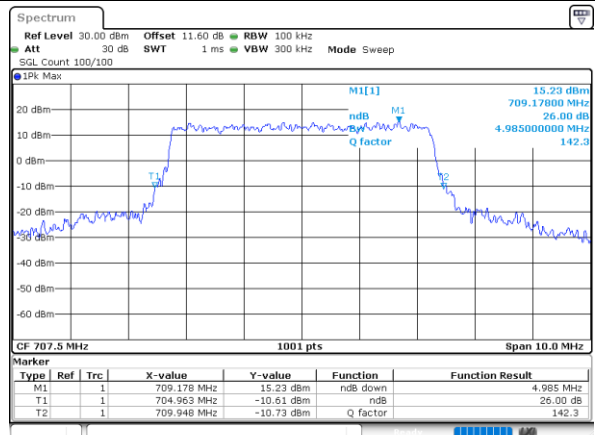
Date: 29\_MAY.2024 21:14:44

Middle Channel / 5MHz / QPSK



Date: 29\_MAY.2024 21:26:44

Middle Channel / 5MHz / 16QAM

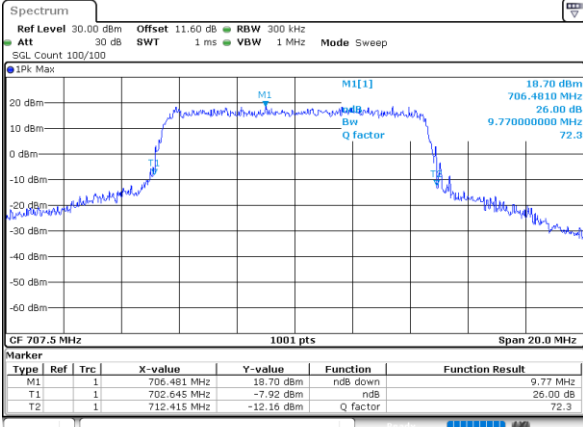


Date: 29\_MAY.2024 21:27:15



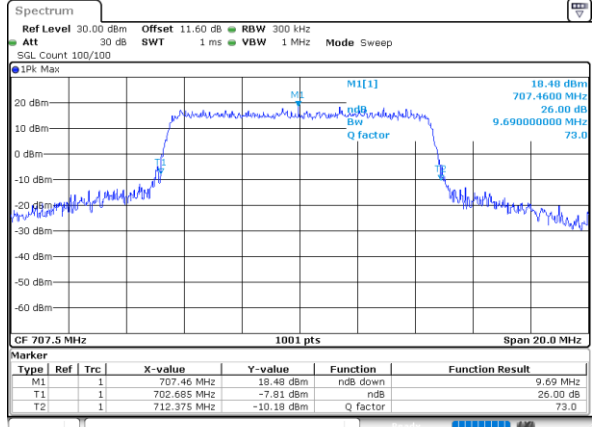
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 29\_MAY.2024 21:32:59

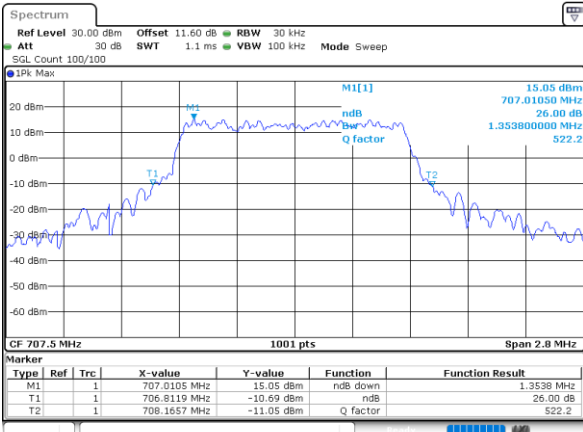
Middle Channel / 10MHz / 16QAM



Date: 29\_MAY.2024 21:33:30

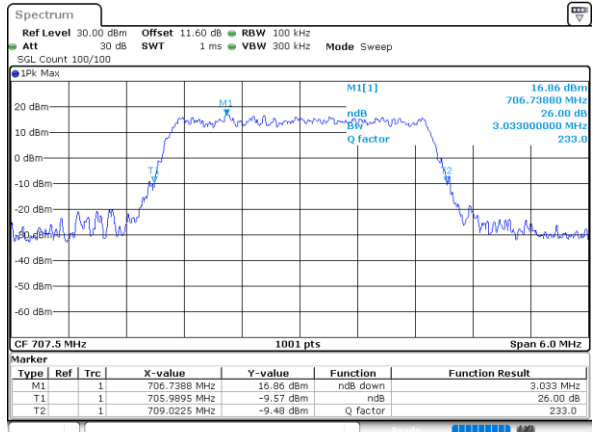
LTE Band 12

Middle Channel / 1.4MHz / 64QAM



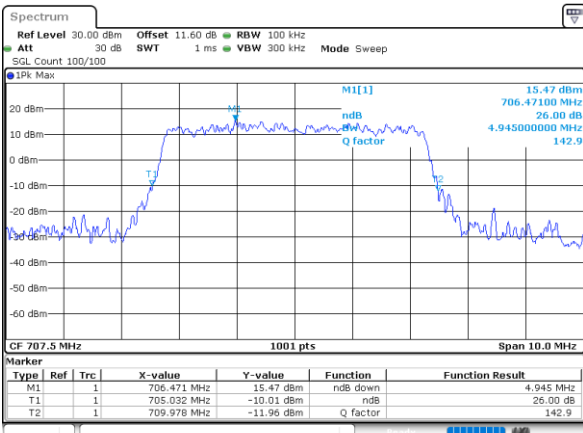
Date: 29\_MAY.2024 21:08:24

Middle Channel / 3MHz / 64QAM



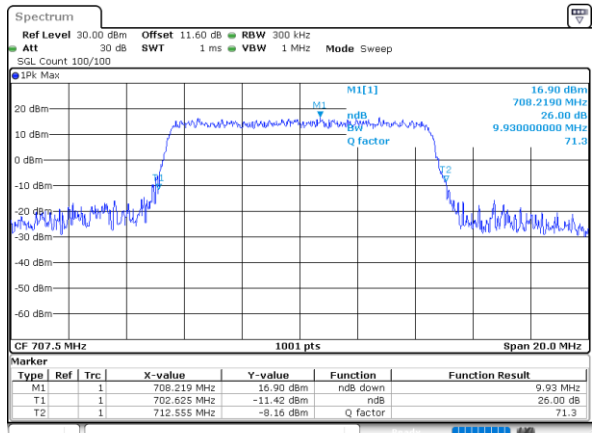
Date: 29\_MAY.2024 21:18:54

Middle Channel / 5MHz / 64QAM



Date: 29\_MAY.2024 21:21:59

Middle Channel / 10MHz / 64QAM



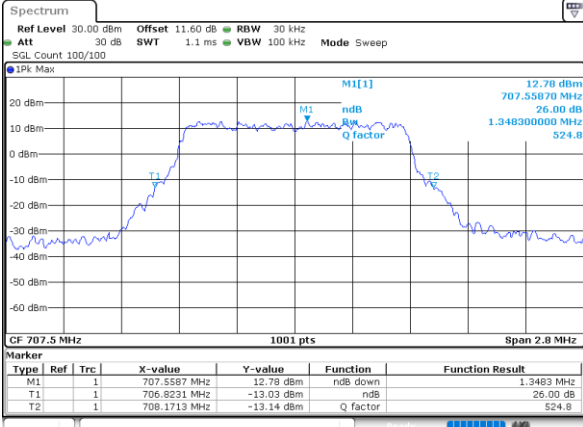
Date: 29\_MAY.2024 21:37:40





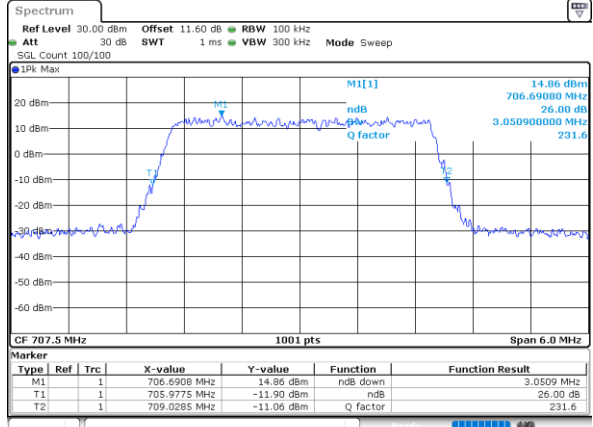
LTE Band 12

Middle Channel / 1.4MHz / 256QAM



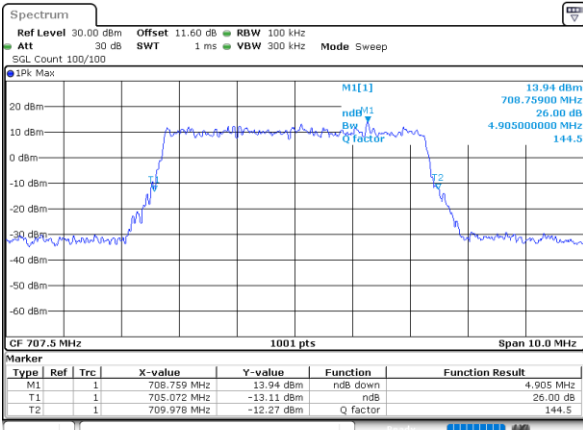
Date: 29.MAY.2024 21:44:00

Middle Channel / 3MHz / 256QAM



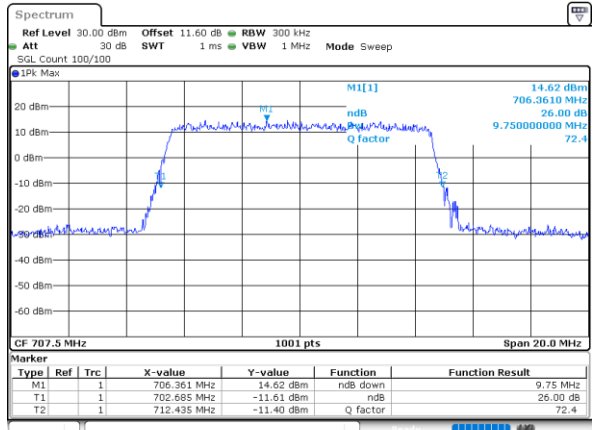
Date: 29.MAY.2024 22:01:39

Middle Channel / 5MHz / 256QAM



Date: 29.MAY.2024 22:51:06

Middle Channel / 10MHz / 256QAM



Date: 29.MAY.2024 22:56:52



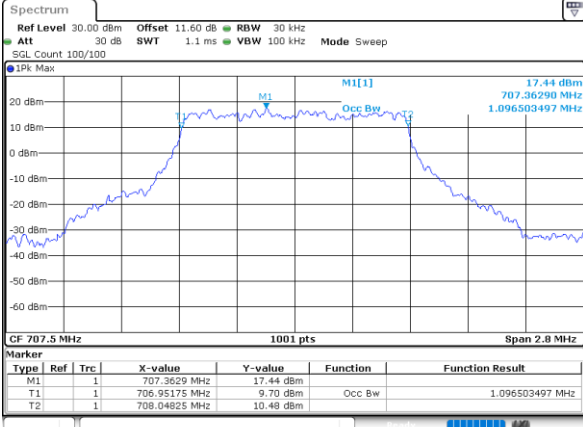
**Occupied Bandwidth**

Mode	LTE Band 12 : 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	2.72	2.72	4.49	4.51	9.03	9.05	-	-	-	-
Mode	LTE Band 12 : 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	1.09	2.72	2.72	4.49	4.48	9.03	9.07	-	-	-	-



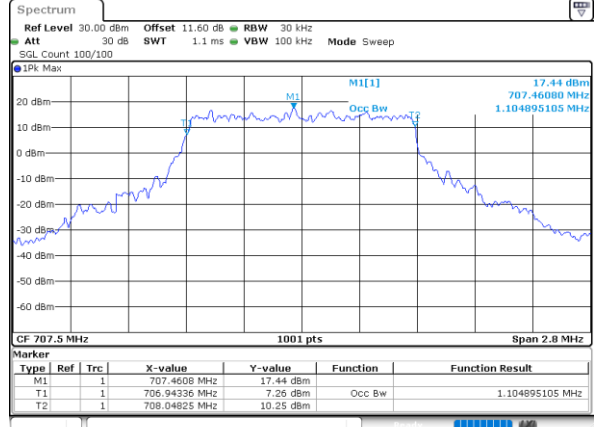
LTE Band 12

Middle Channel / 1.4MHz / QPSK



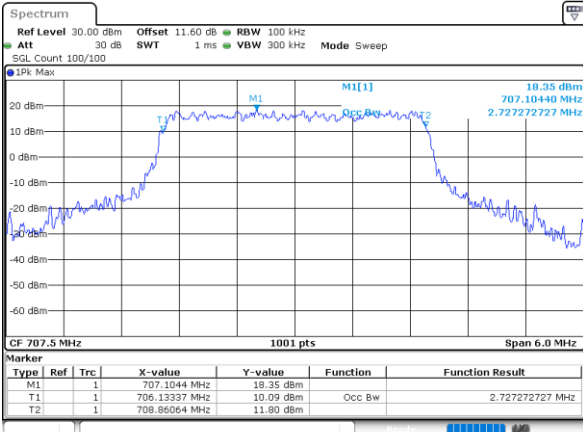
Date: 29.MAY.2024 20:57:24

Middle Channel / 1.4MHz / 16QAM



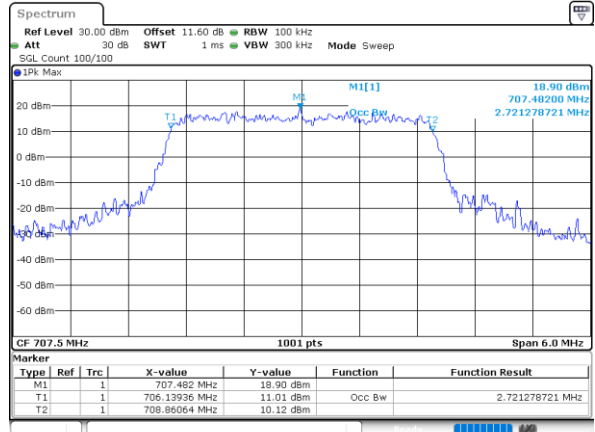
Date: 29.MAY.2024 20:56:53

Middle Channel / 3MHz / QPSK



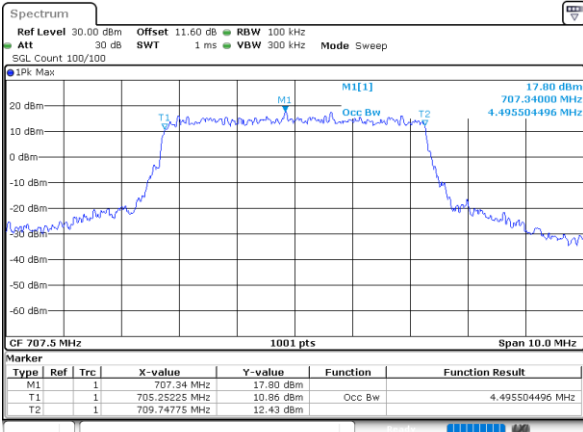
Date: 29.MAY.2024 21:13:37

Middle Channel / 3MHz / 16QAM



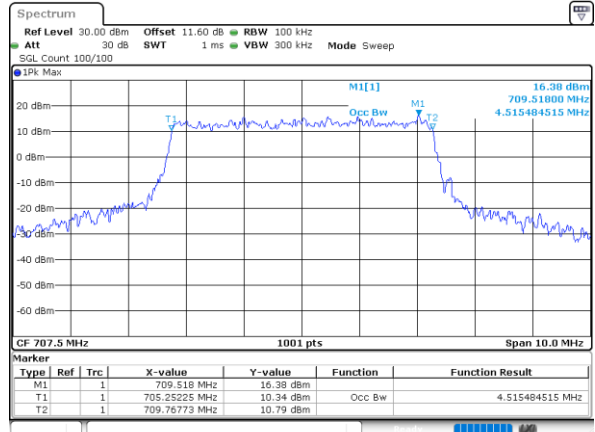
Date: 29.MAY.2024 21:13:05

Middle Channel / 5MHz / QPSK



Date: 29.MAY.2024 21:26:12

Middle Channel / 5MHz / 16QAM

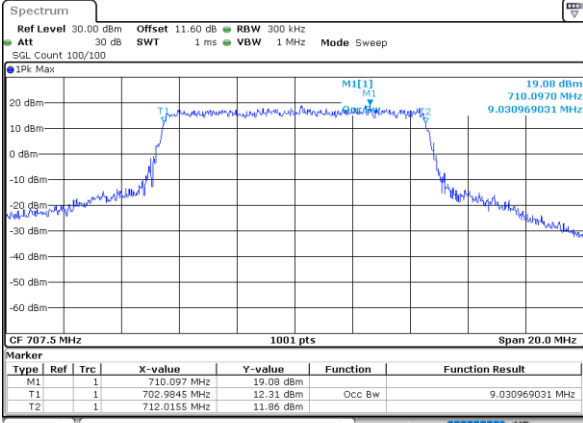


Date: 29.MAY.2024 21:25:37



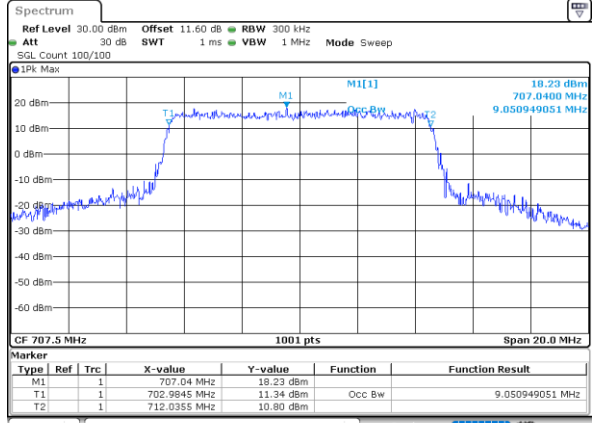
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 29\_MAY.2024 21:32:29

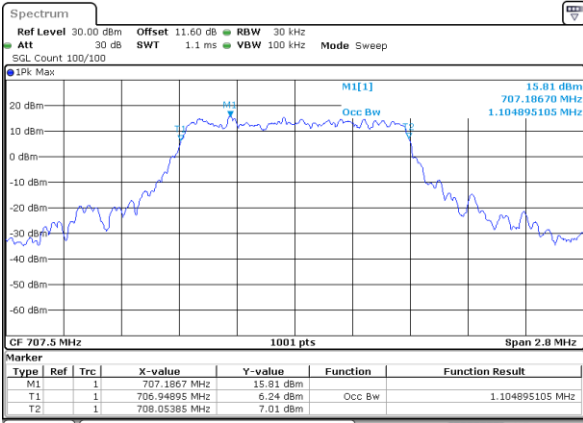
Middle Channel / 10MHz / 16QAM



Date: 29\_MAY.2024 21:31:55

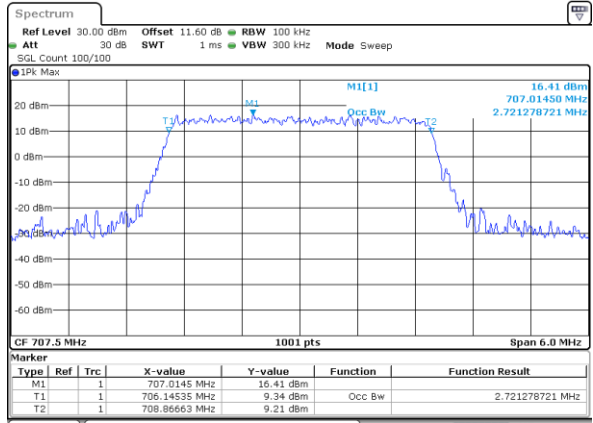
LTE Band 12

Middle Channel / 1.4MHz / 64QAM



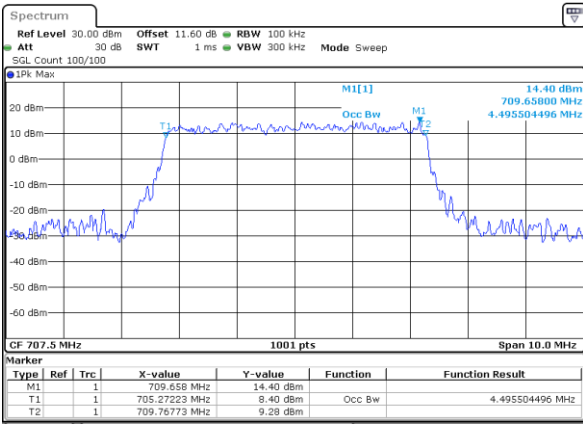
Date: 29\_MAY.2024 21:07:52

Middle Channel / 3MHz / 64QAM



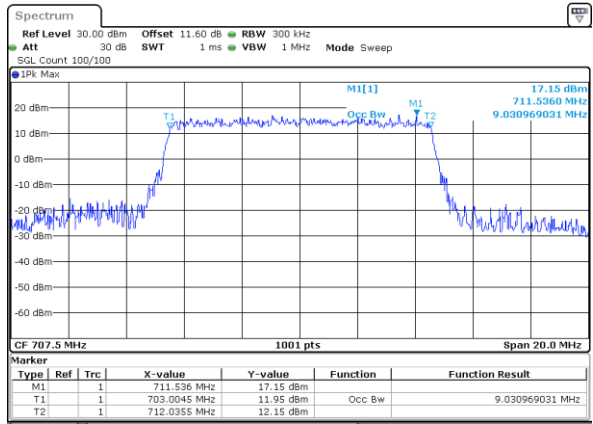
Date: 29\_MAY.2024 21:18:22

Middle Channel / 5MHz / 64QAM



Date: 29\_MAY.2024 21:21:28

Middle Channel / 10MHz / 64QAM

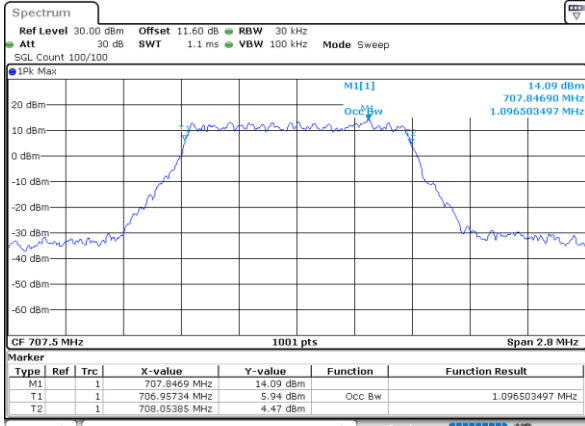


Date: 29\_MAY.2024 21:37:08

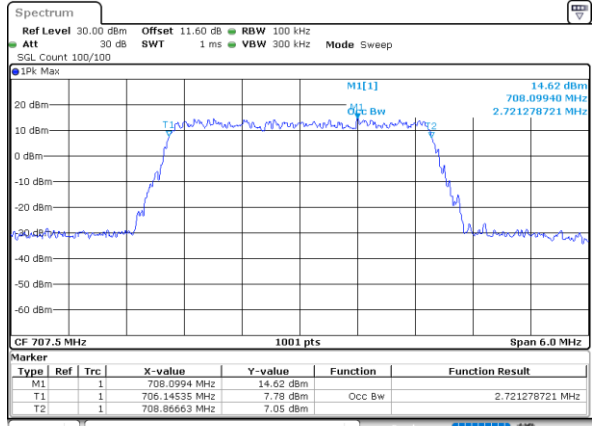


LTE Band 12

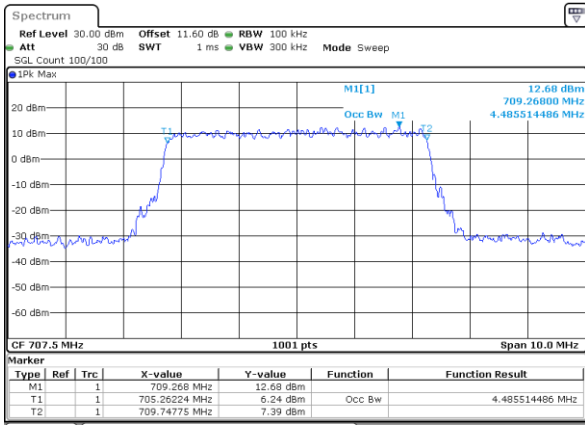
Middle Channel / 1.4MHz / 256QAM



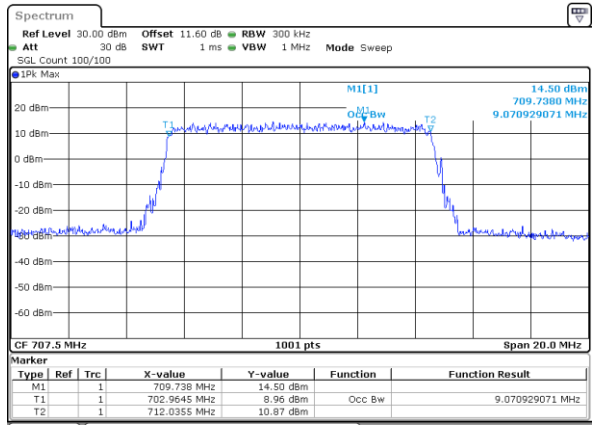
Middle Channel / 3MHz / 256QAM



Middle Channel / 5MHz / 256QAM

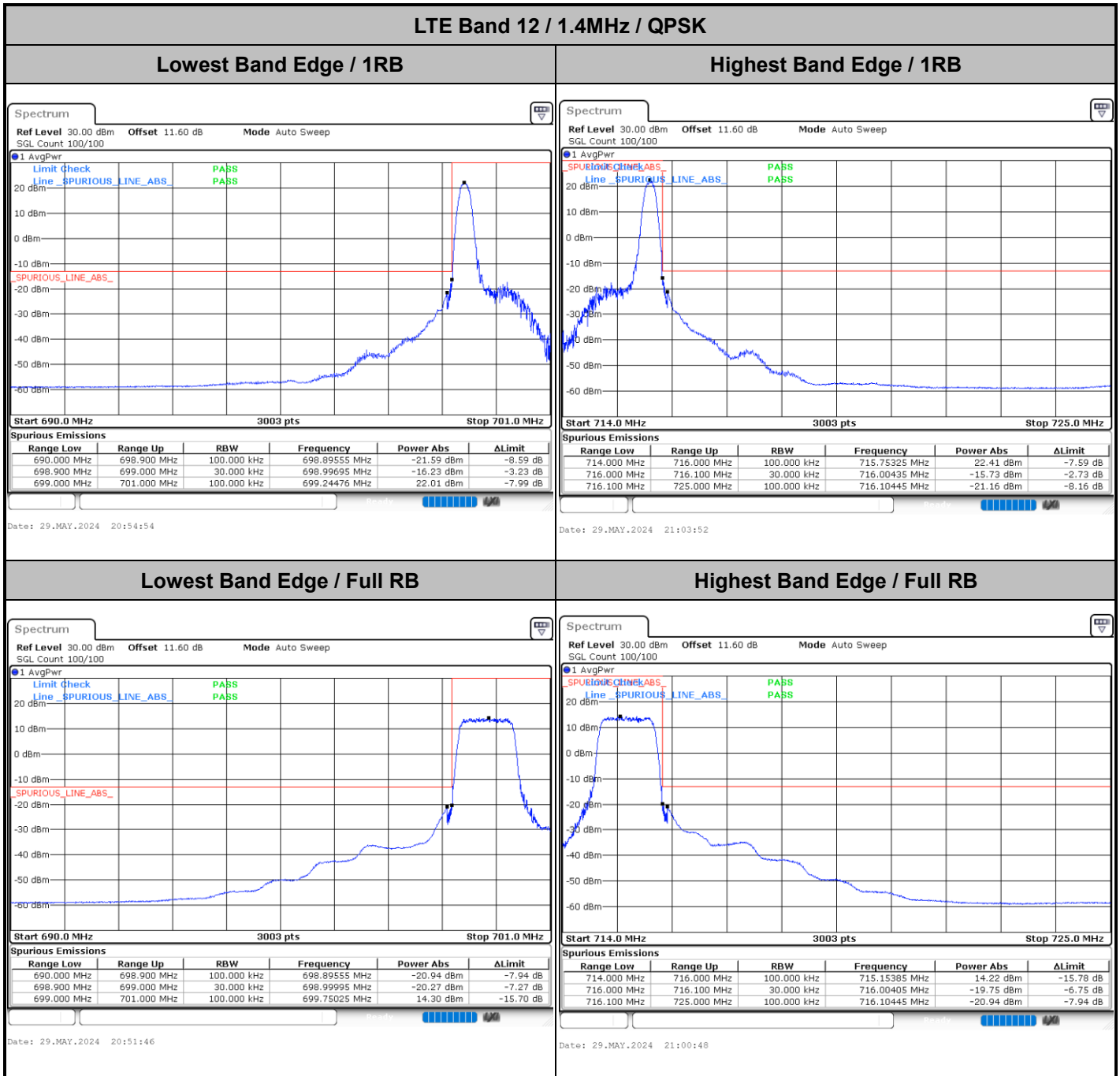


Middle Channel / 10MHz / 256QAM





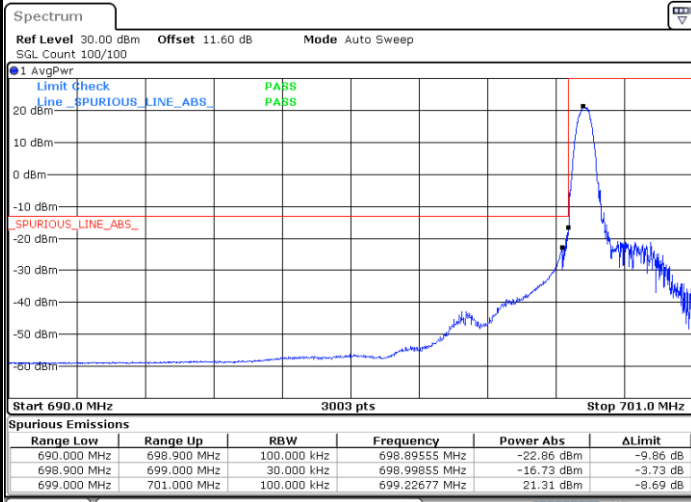
# Conducted Band Edge





LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



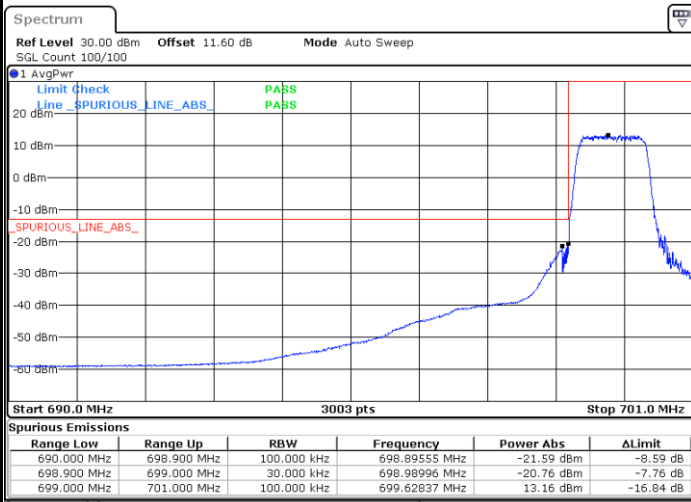
Date: 29.MAY.2024 20:53:52

Highest Band Edge / 1 RB



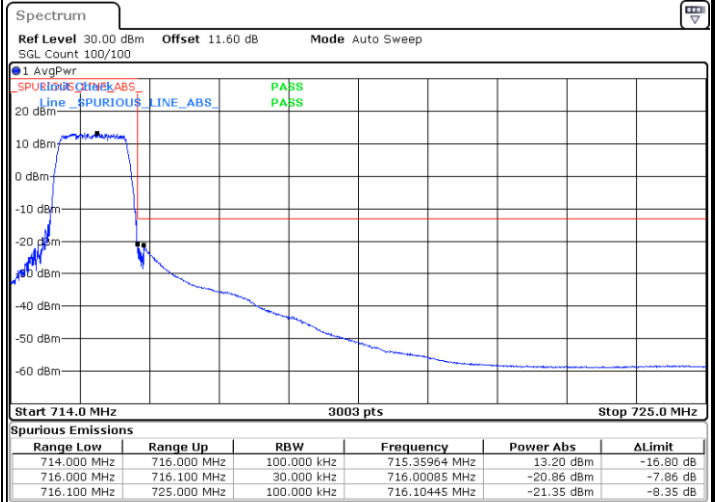
Date: 29.MAY.2024 21:02:51

Lowest Band Edge / Full RB



Date: 29.MAY.2024 20:52:49

Highest Band Edge / Full RB

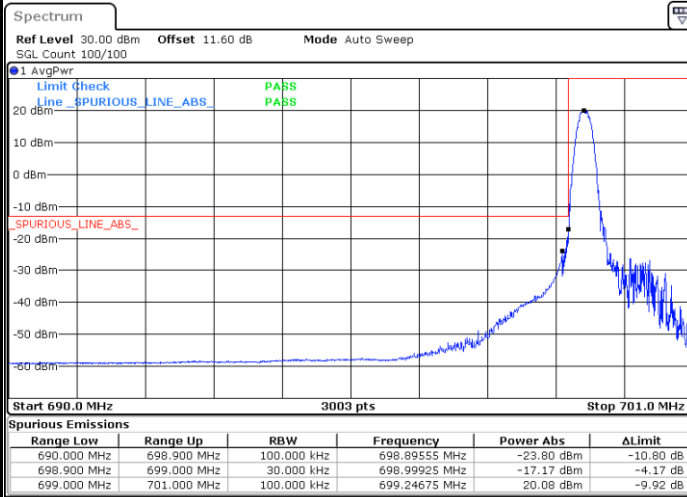


Date: 29.MAY.2024 21:01:49



LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



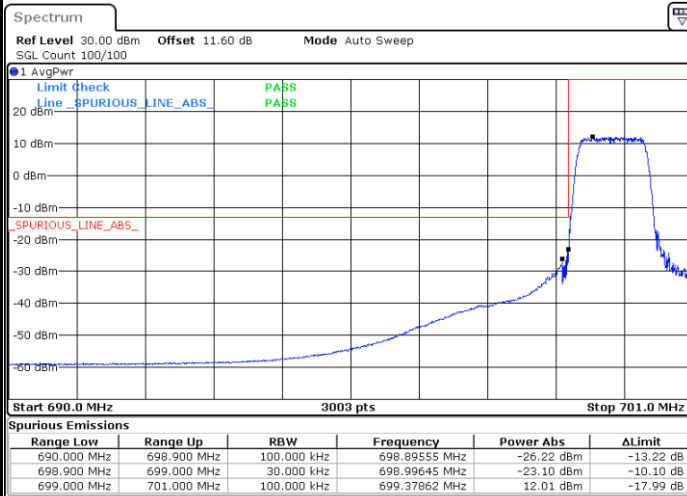
Date: 29.MAY.2024 21:07:17

Highest Band Edge / 1 RB



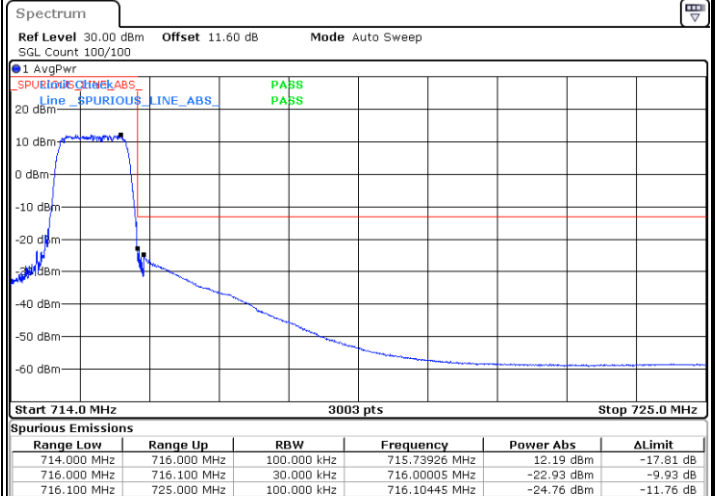
Date: 29.MAY.2024 21:10:25

Lowest Band Edge / Full RB



Date: 29.MAY.2024 21:06:15

Highest Band Edge / Full RB



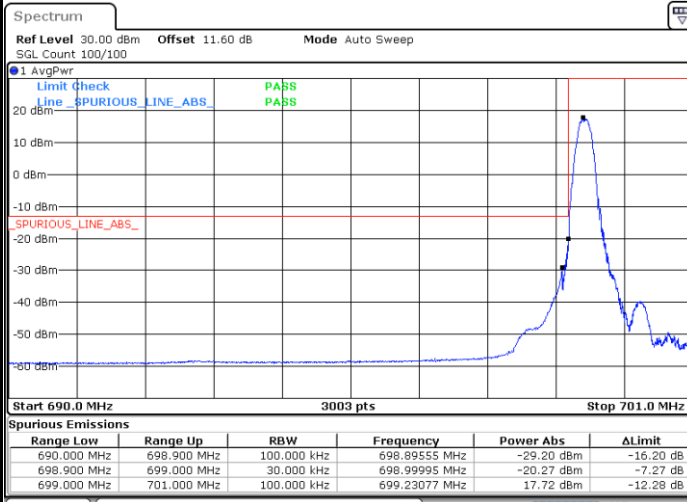
Date: 29.MAY.2024 21:09:23





LTE Band 12 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



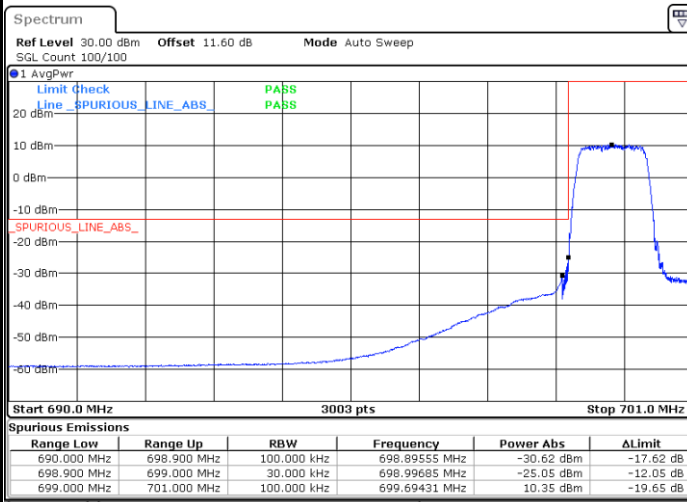
Date: 29.MAY.2024 21:42:29

Highest Band Edge / 1 RB



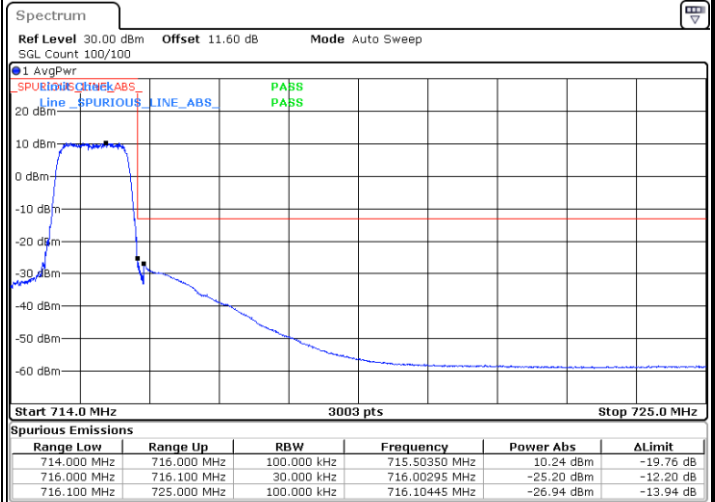
Date: 29.MAY.2024 21:46:58

Lowest Band Edge / Full RB



Date: 29.MAY.2024 21:41:24

Highest Band Edge / Full RB



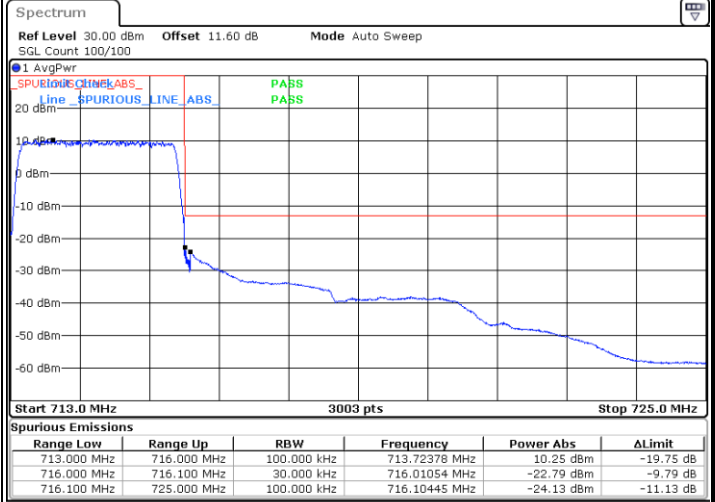
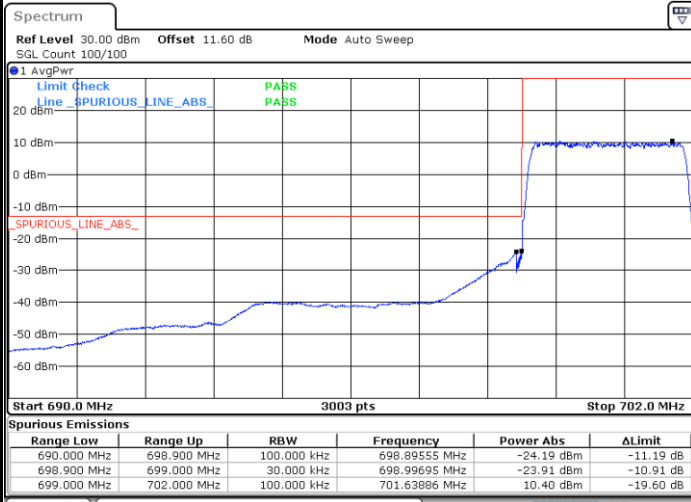
Date: 29.MAY.2024 21:45:53



LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



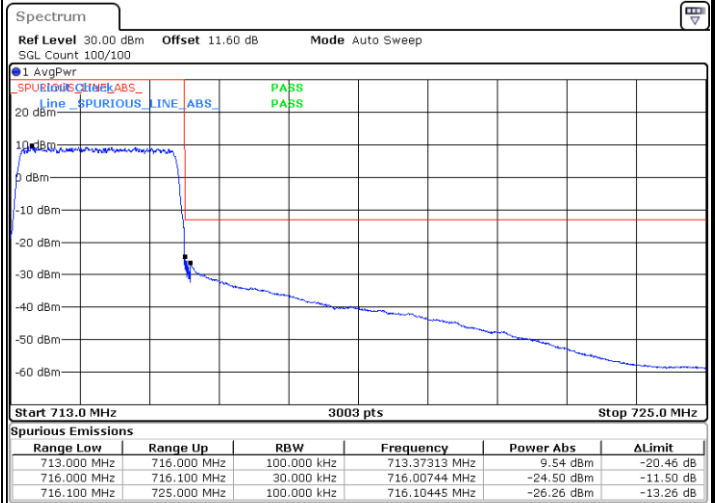
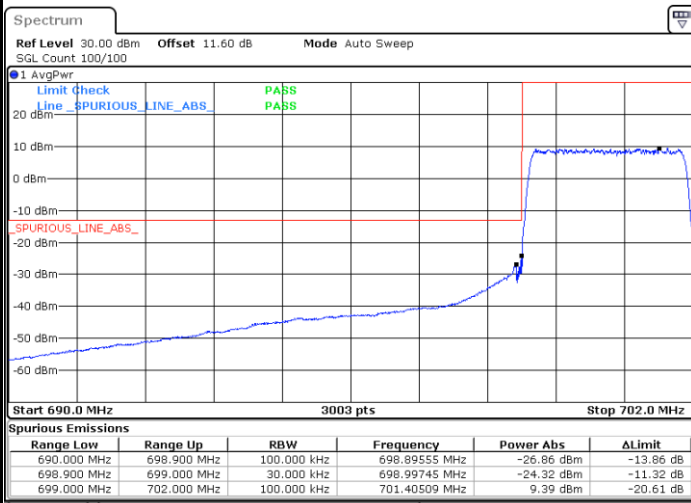
Date: 29.MAY.2024 21:11:26

Date: 29.MAY.2024 21:15:45

LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29.MAY.2024 21:12:27

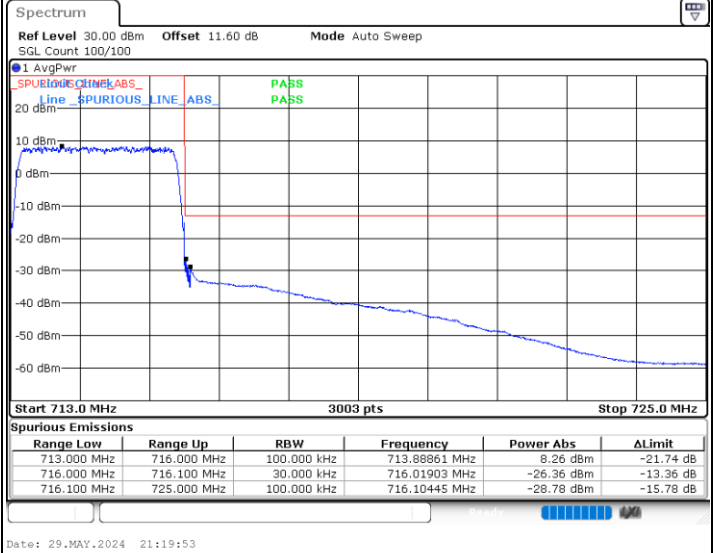
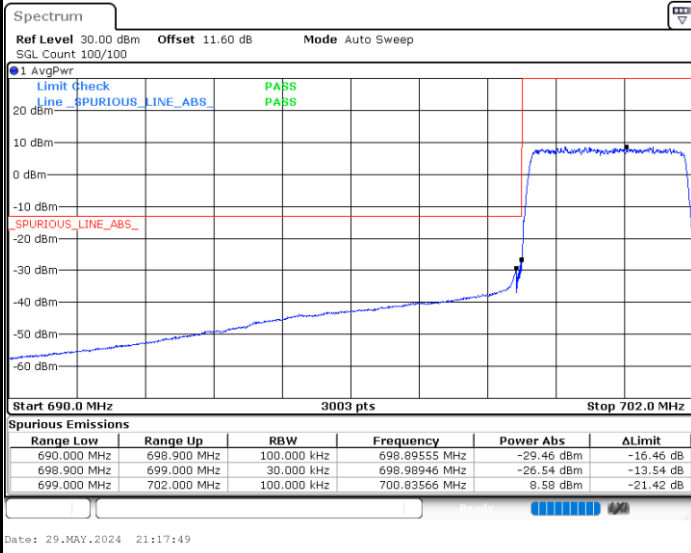
Date: 29.MAY.2024 21:16:47



LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / Full RB

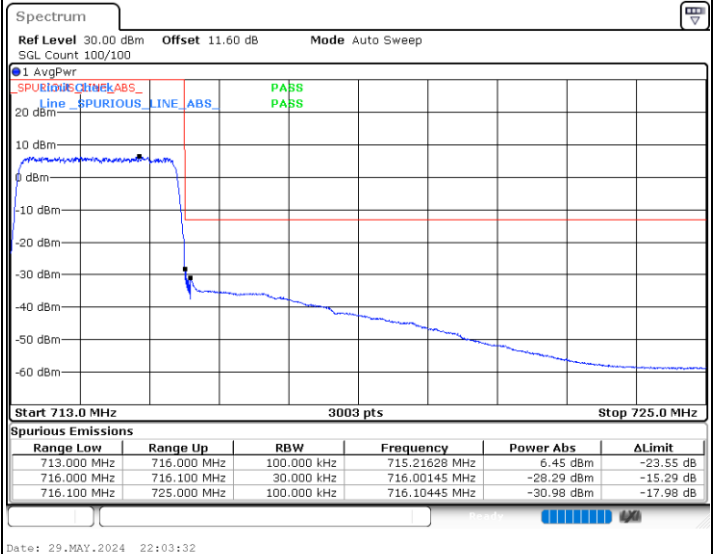
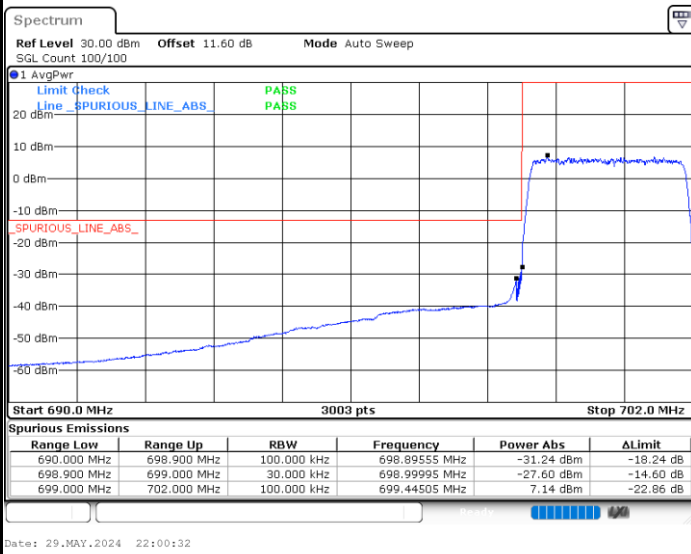
Highest Band Edge / Full RB



LTE Band 12 / 3MHz / 256QAM

Lowest Band Edge / Full RB

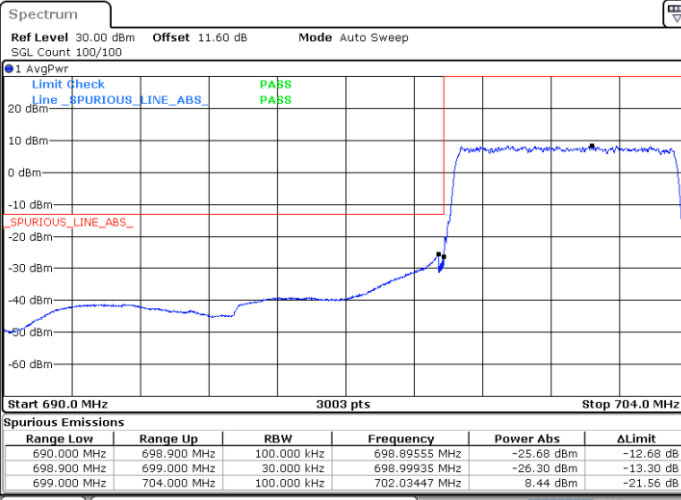
Highest Band Edge / Full RB





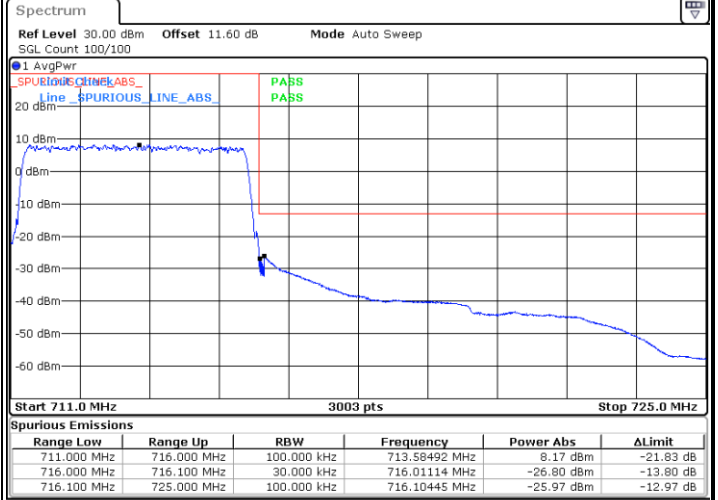
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / Full RB



Date: 29.MAY.2024 21:24:02

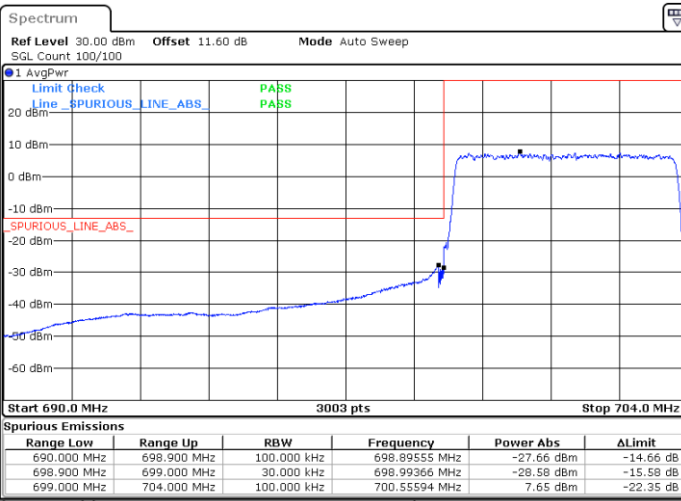
Highest Band Edge / Full RB



Date: 29.MAY.2024 21:28:16

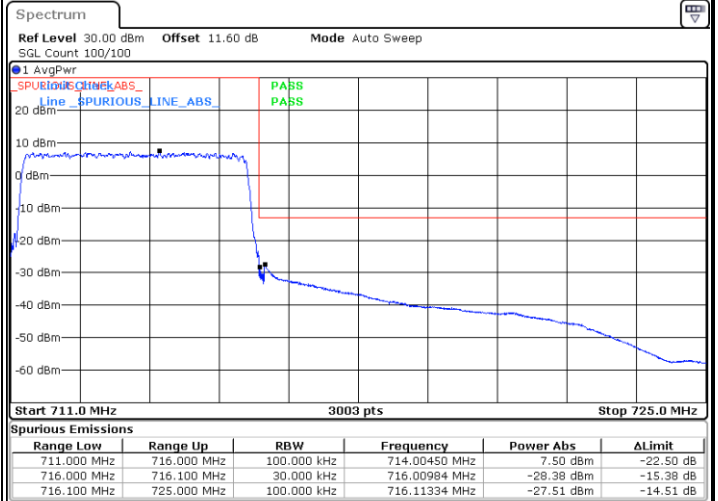
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / Full RB



Date: 29.MAY.2024 21:25:03

Highest Band Edge / Full RB



Date: 29.MAY.2024 21:29:18