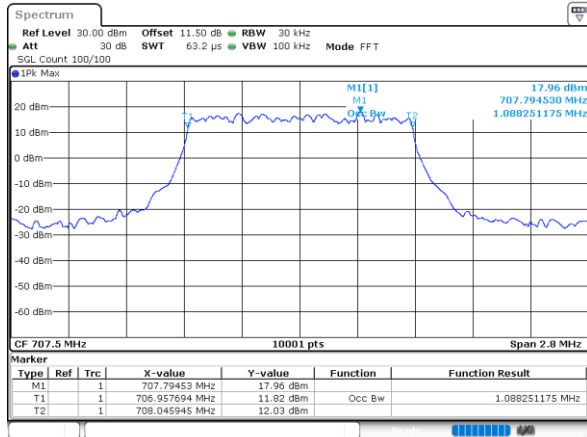


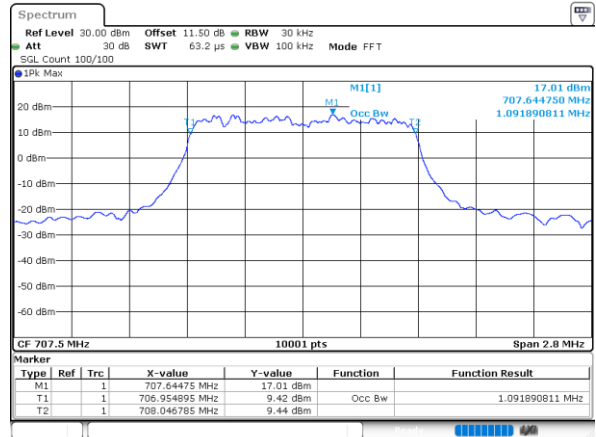


LTE Band 12

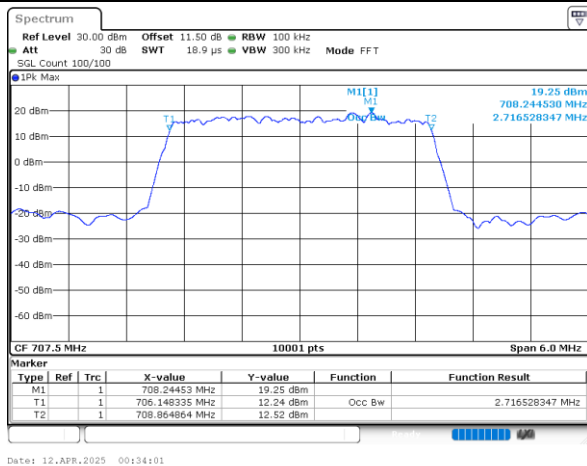
Middle Channel / 1.4MHz / QPSK



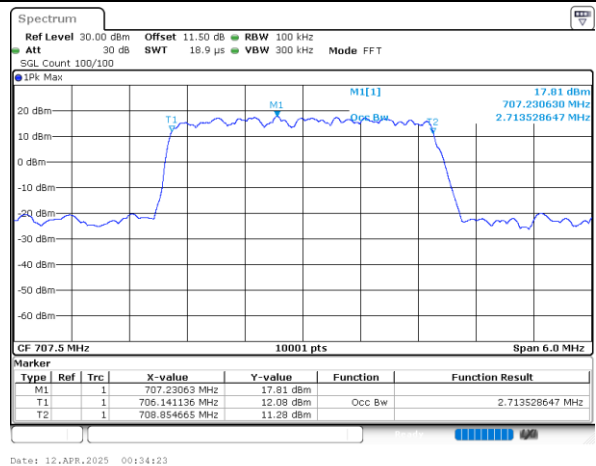
Middle Channel / 1.4MHz / 16QAM



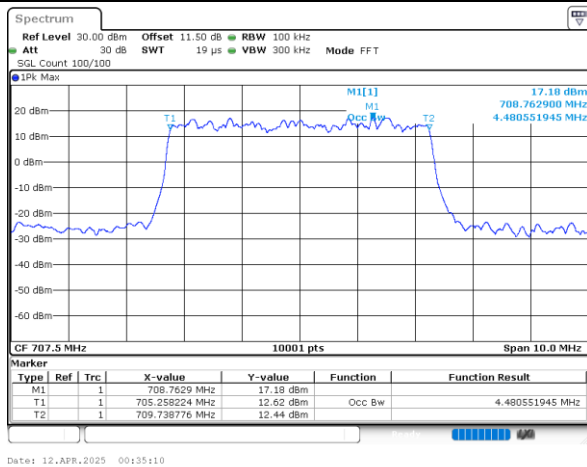
Middle Channel / 3MHz / QPSK



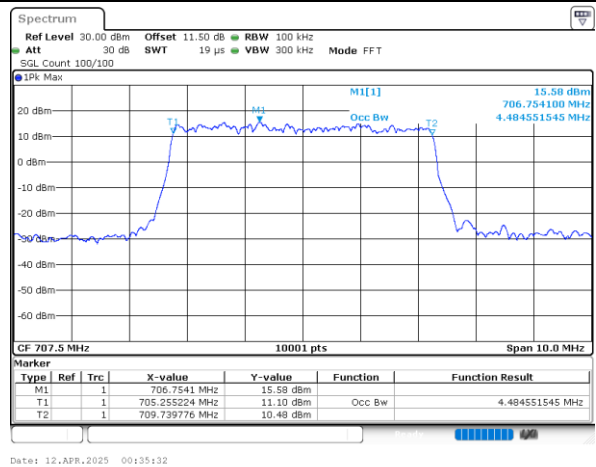
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



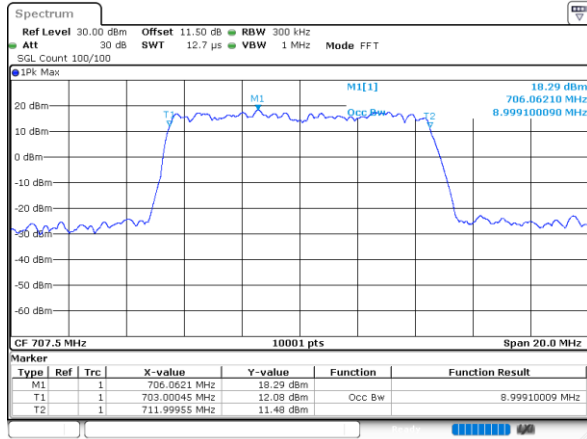
Middle Channel / 5MHz / 16QAM



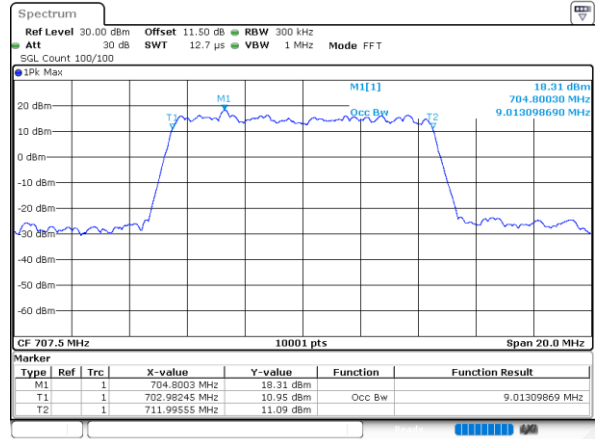


LTE Band 12

Middle Channel / 10MHz / QPSK

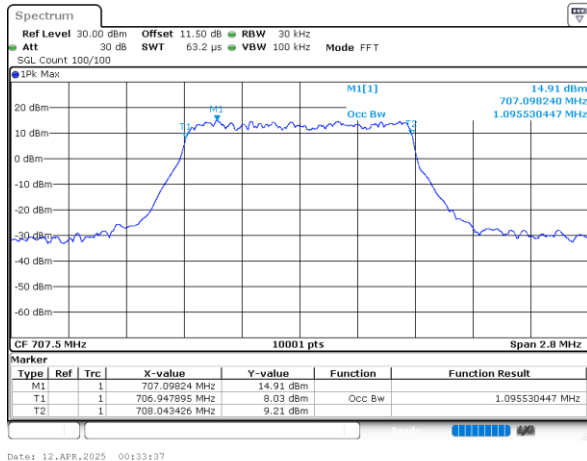


Middle Channel / 10MHz / 16QAM

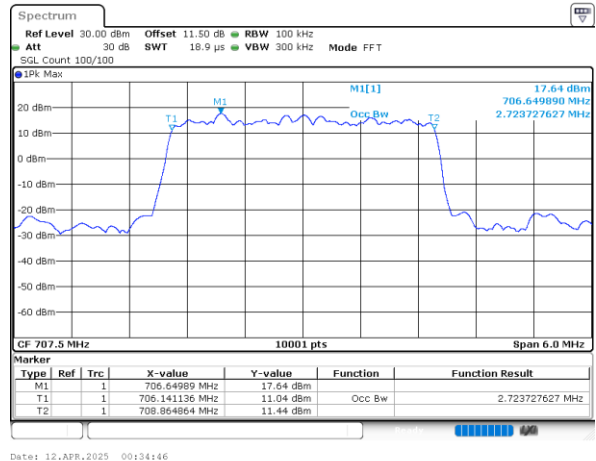


LTE Band 12

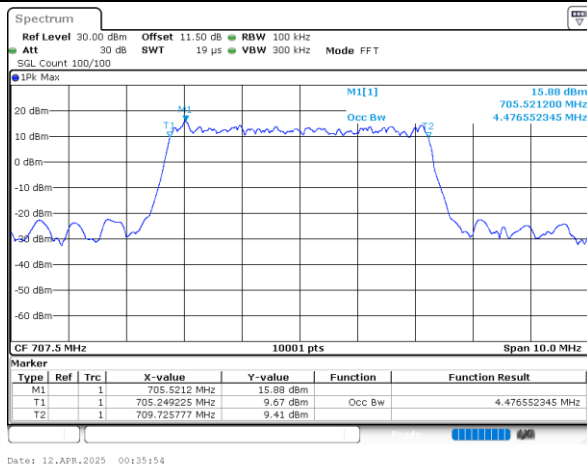
Middle Channel / 1.4MHz / 64QAM



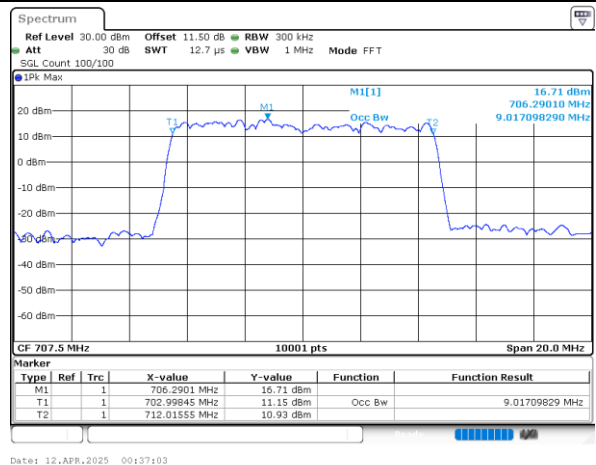
Middle Channel / 3MHz / 64QAM

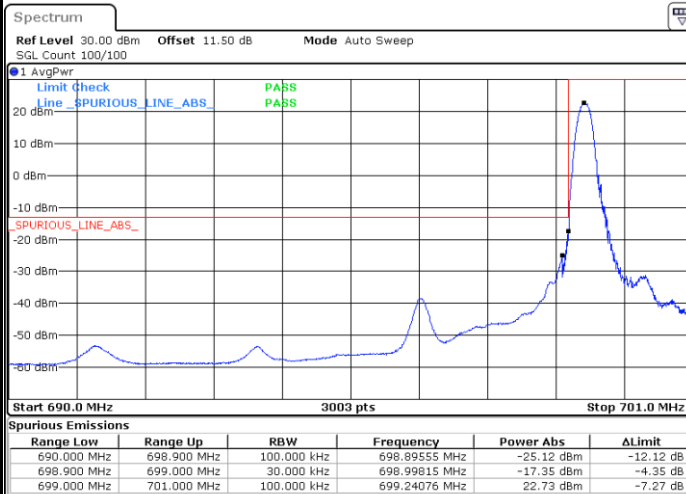
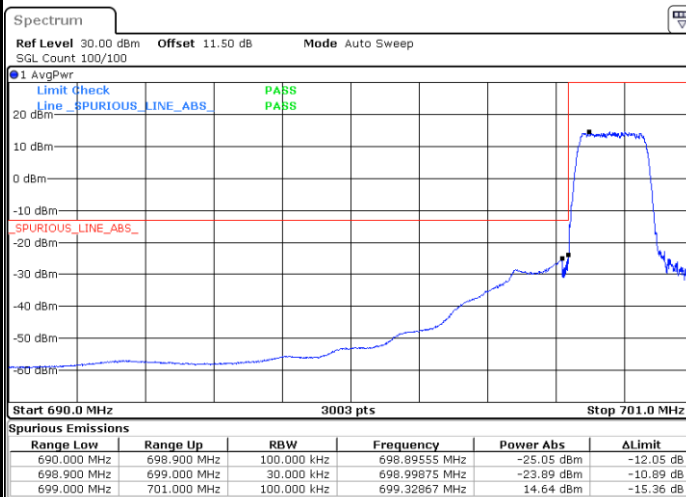
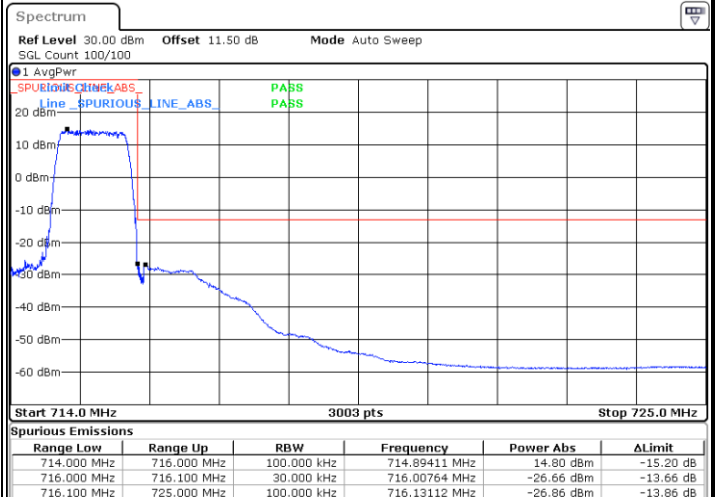


Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM

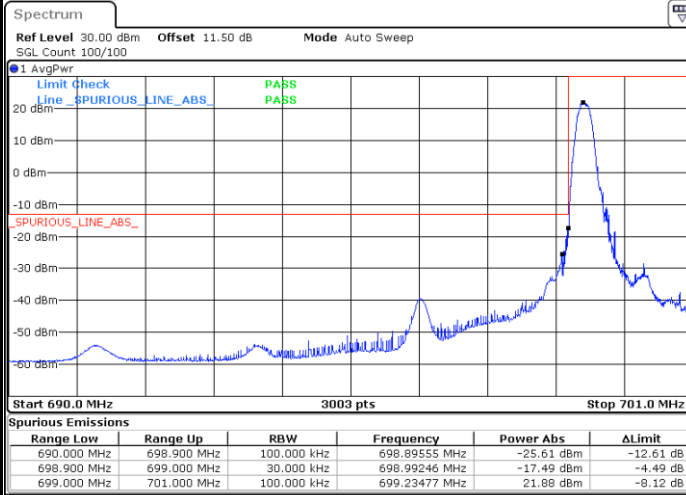


**Conducted Band Edge****LTE Band 12 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

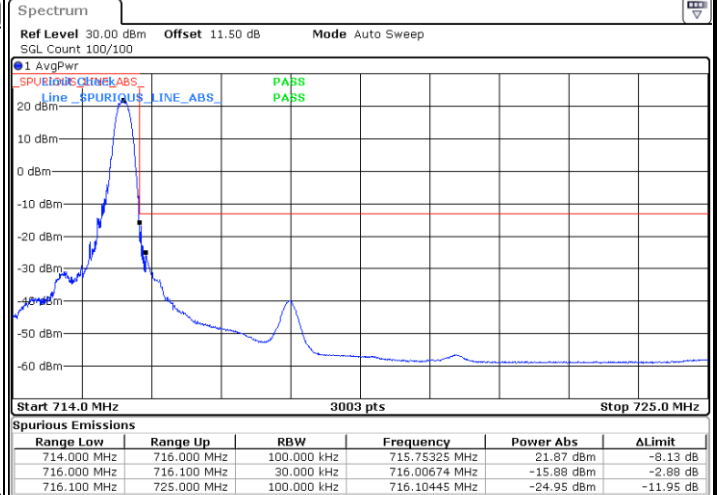


LTE Band 12 / 1.4MHz / 16QAM

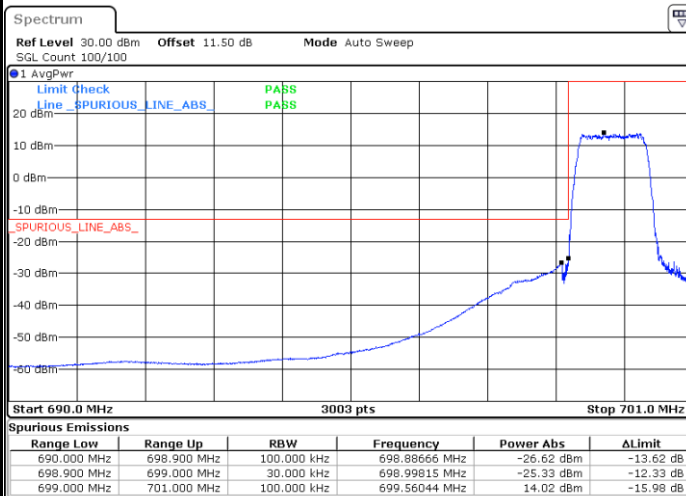
Lowest Band Edge / 1 RB



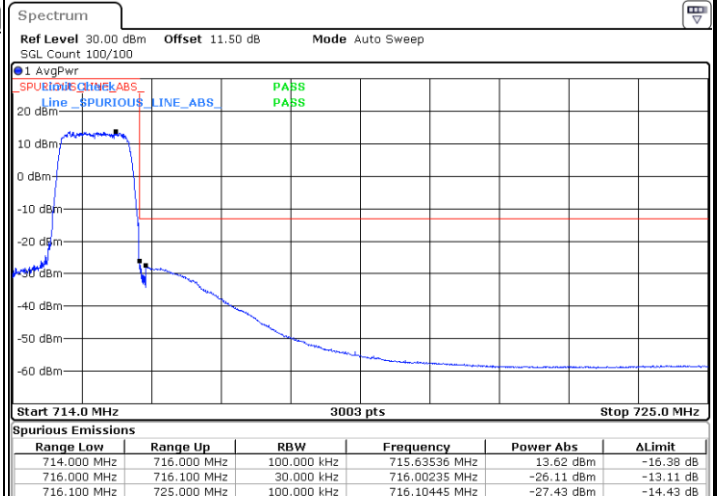
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



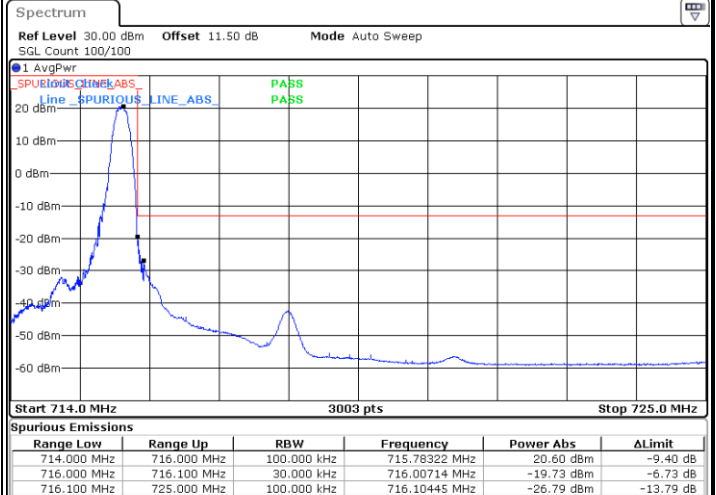


LTE Band 12 / 1.4MHz / 64QAM

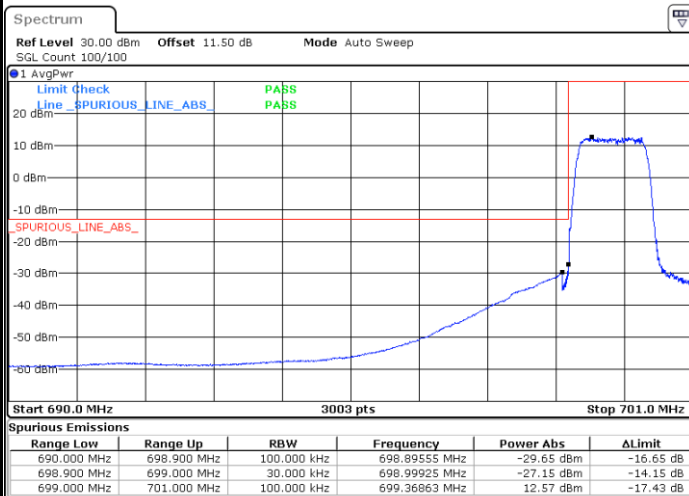
Lowest Band Edge / 1 RB



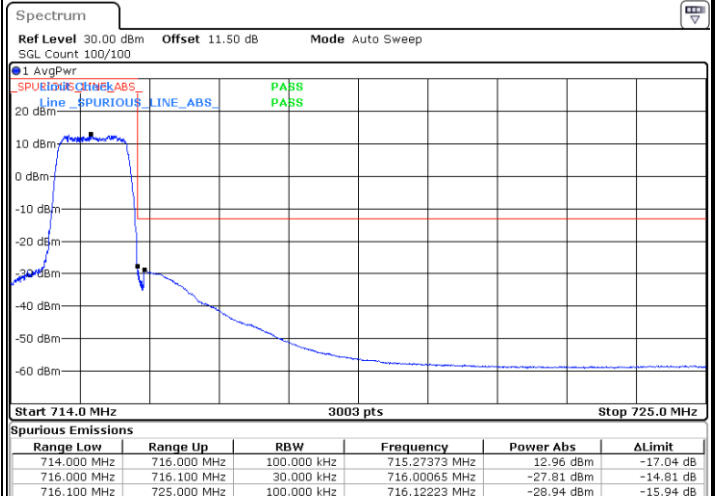
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



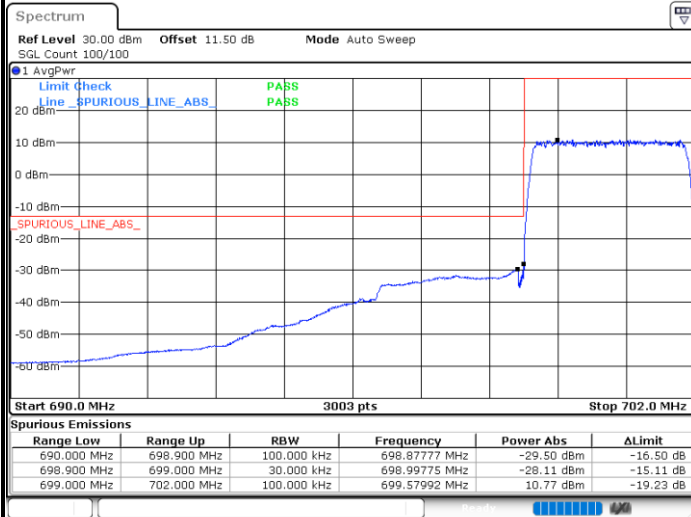
Highest Band Edge / Full RB



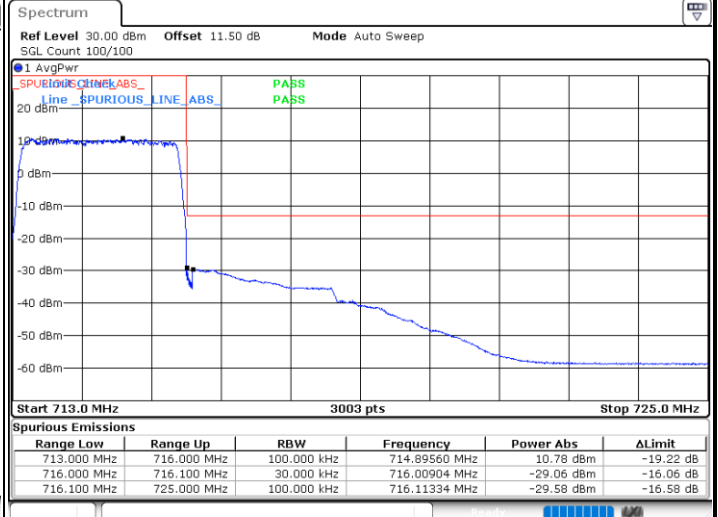


LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / Full RB

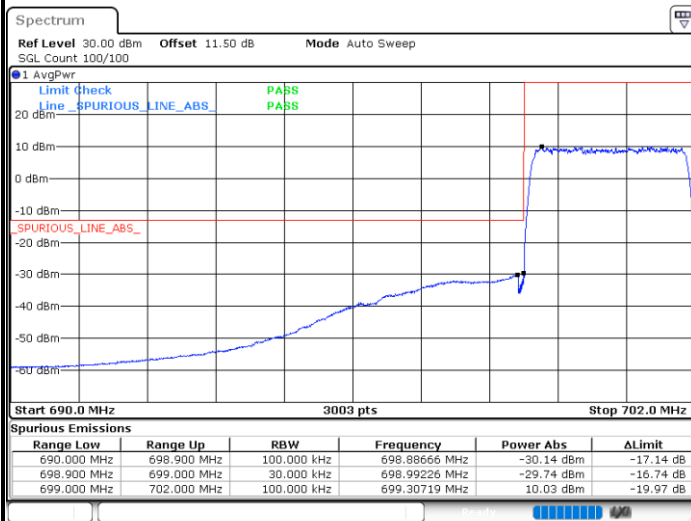


Highest Band Edge / Full RB

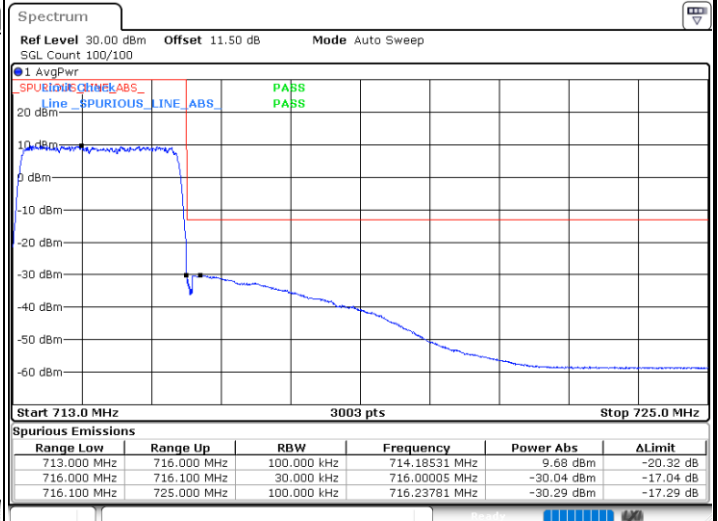


LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

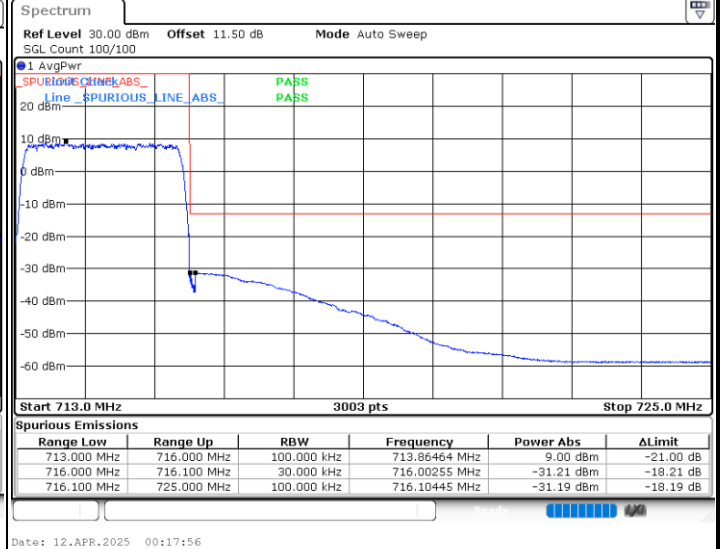
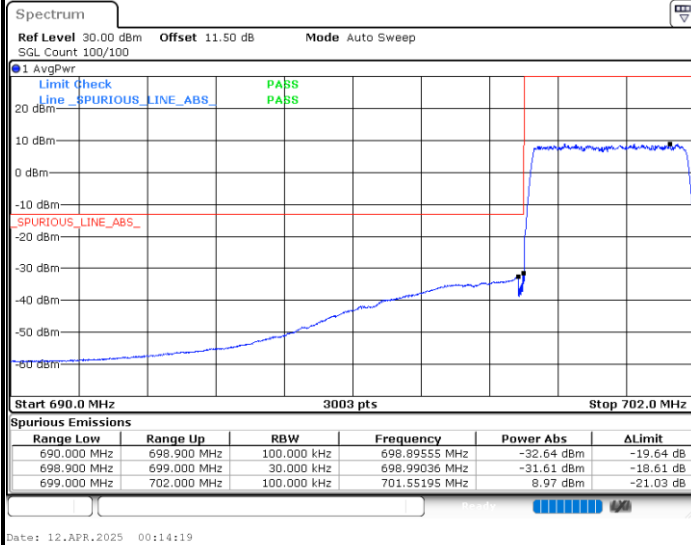




LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / Full RB

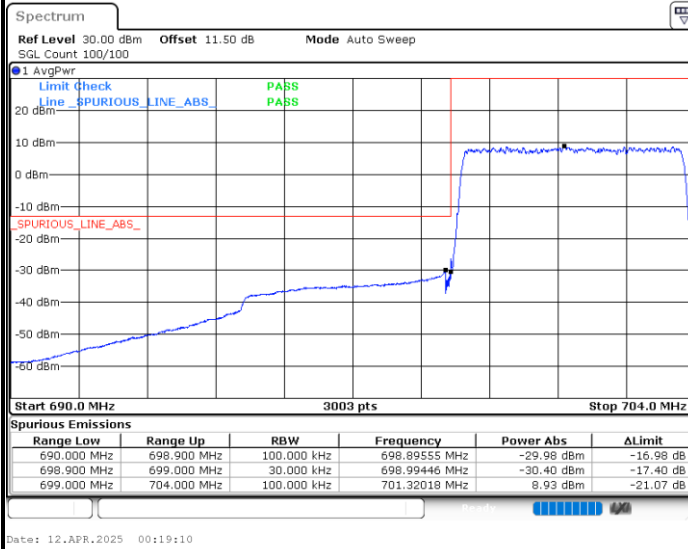
Highest Band Edge / Full RB



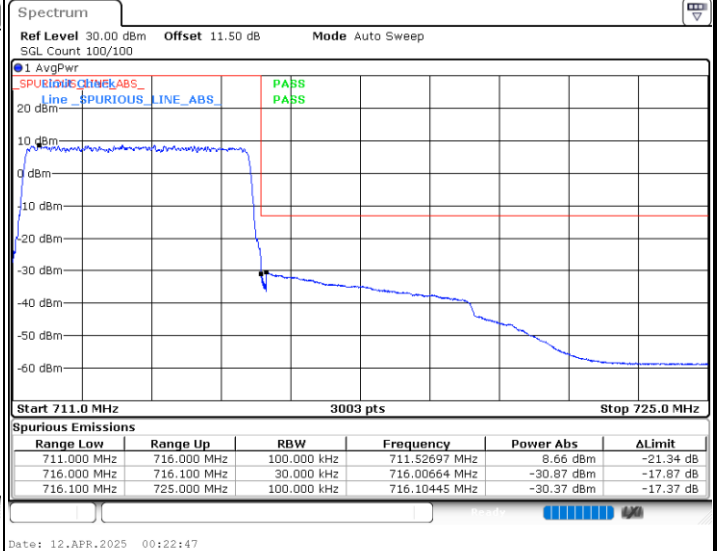


LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / Full RB

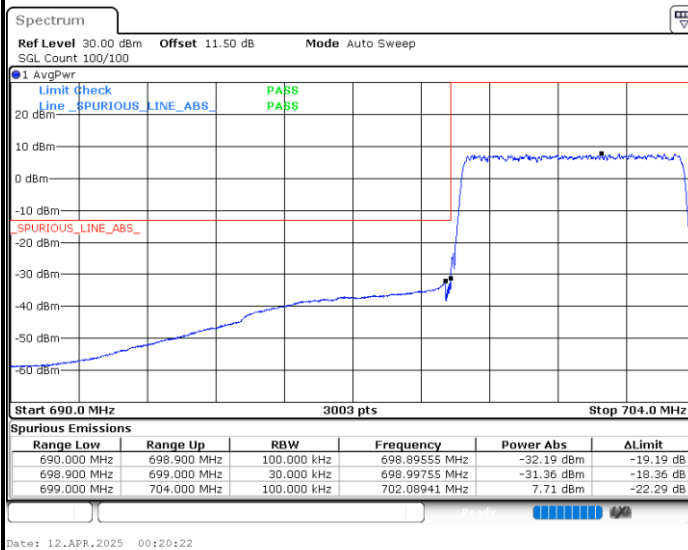


Highest Band Edge / Full RB

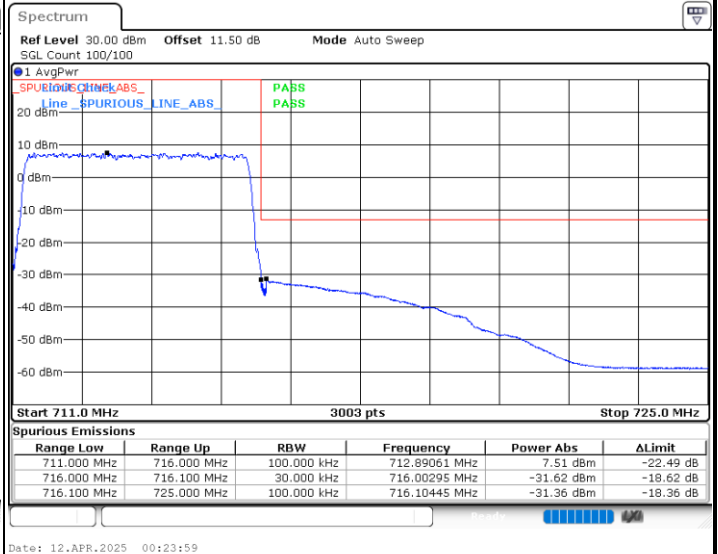


LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

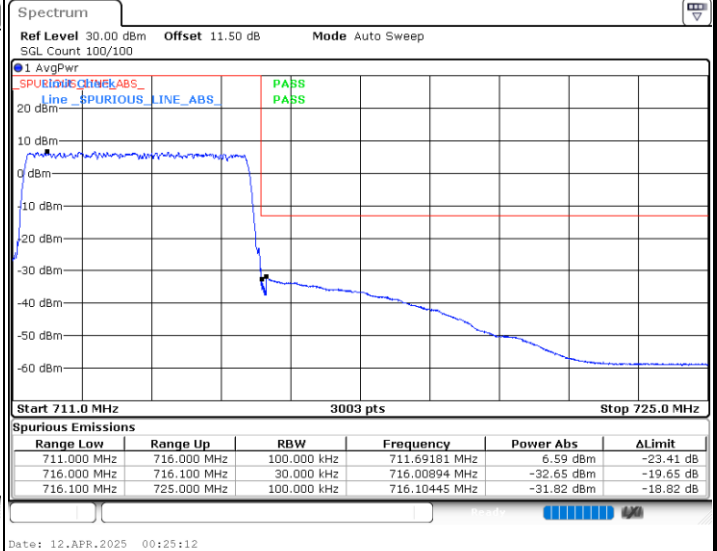
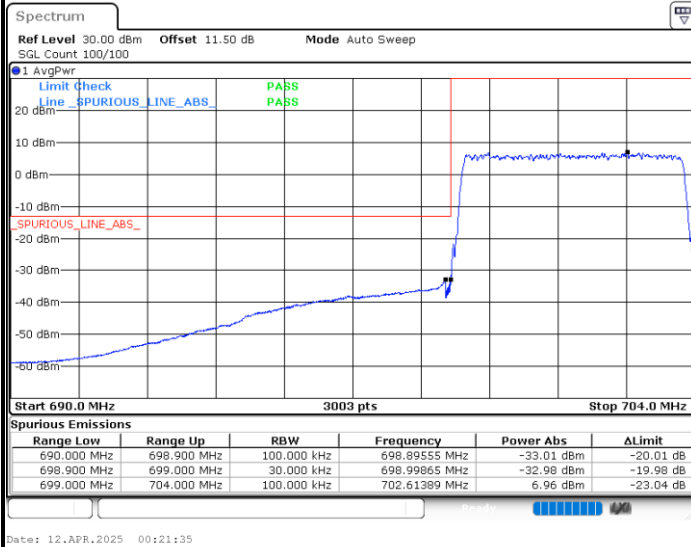




LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / Full RB

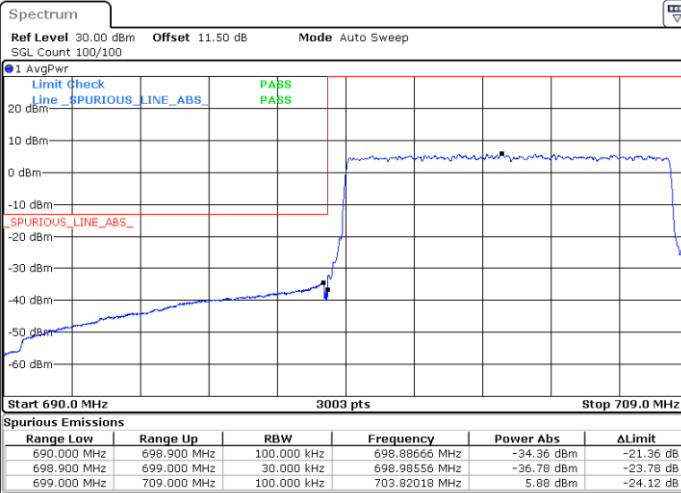
Highest Band Edge / Full RB



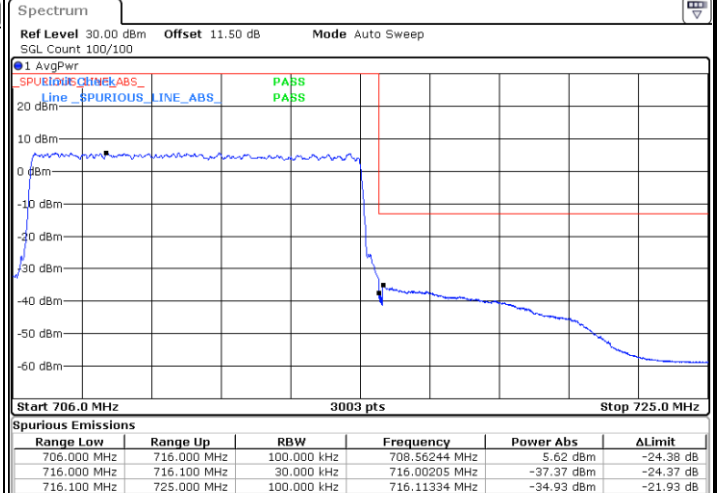


LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / Full RB

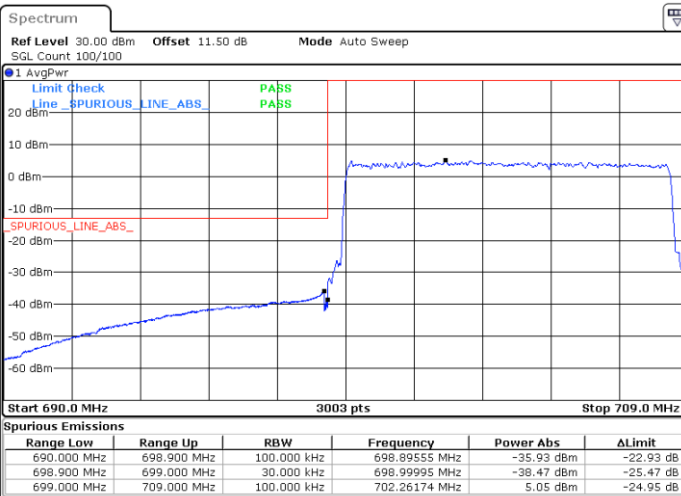


Highest Band Edge / Full RB

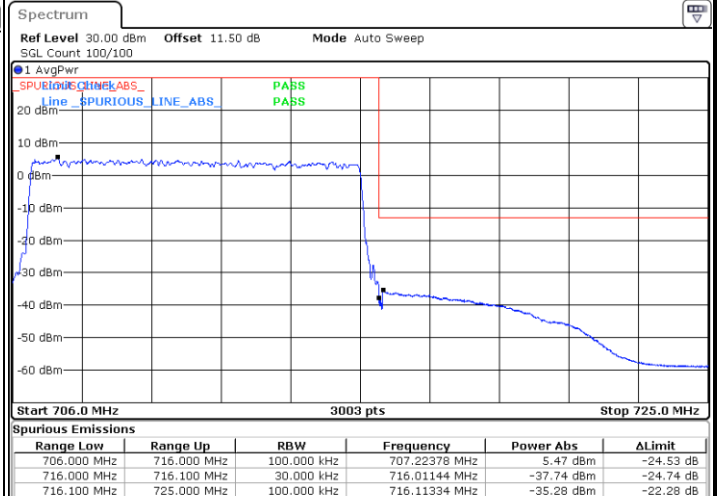


LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

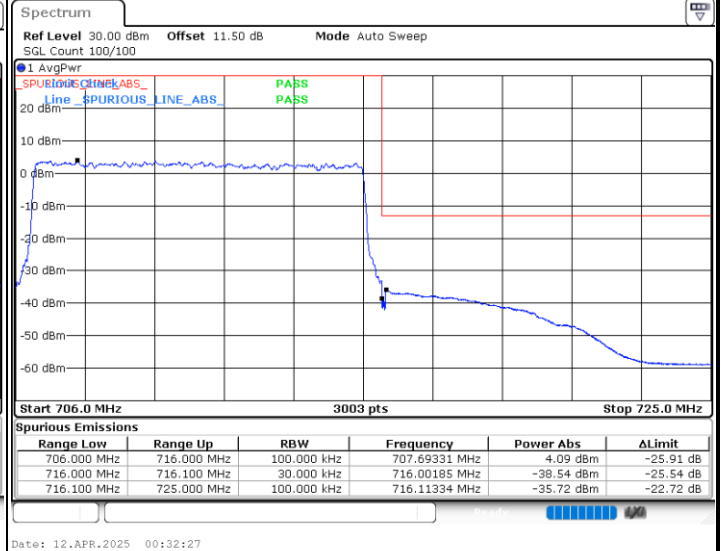
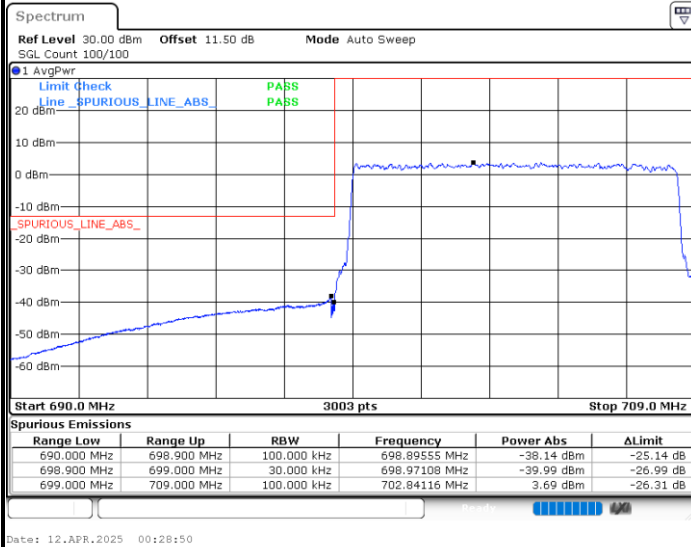




LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

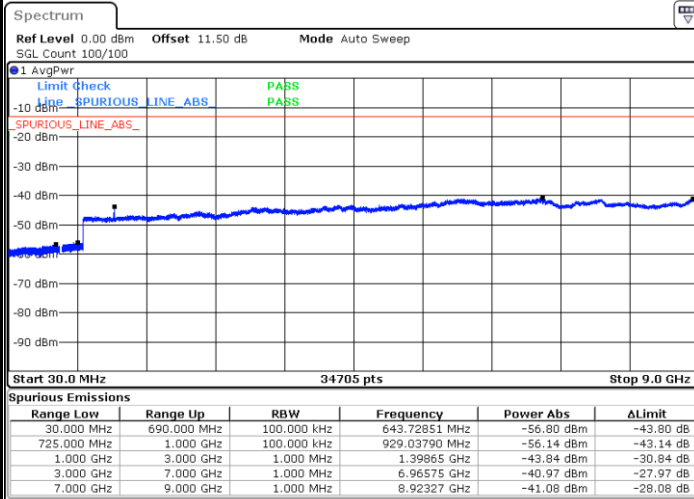




Conducted Spurious Emission

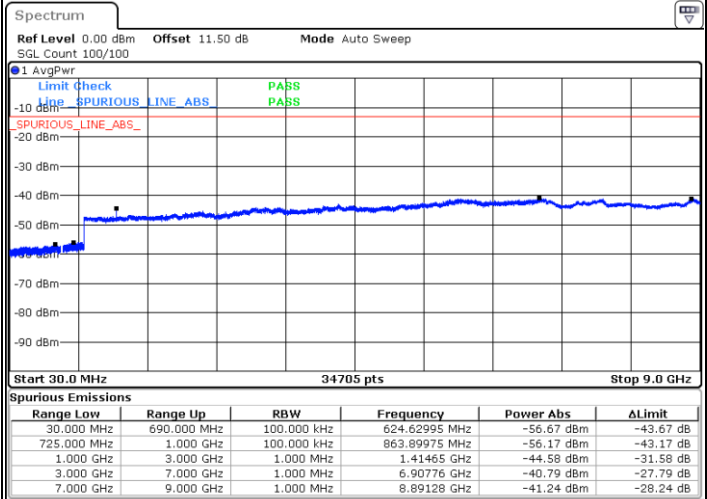
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



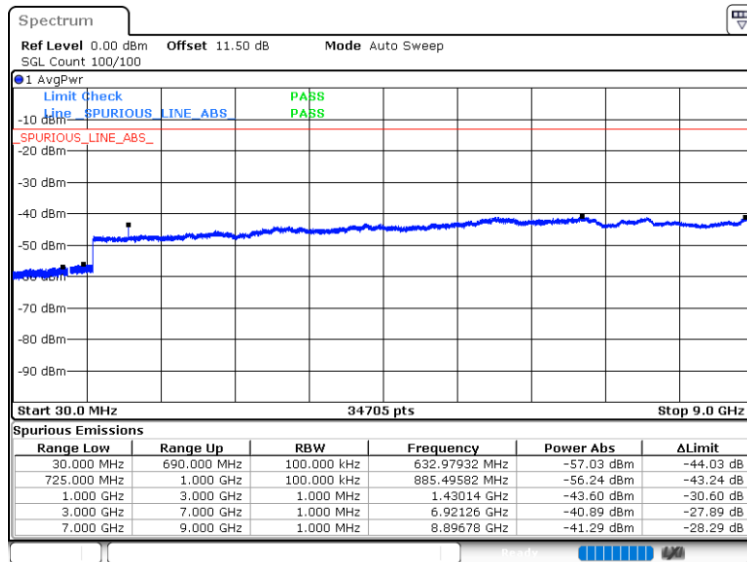
Date: 12.APR.2025 00:42:49

Middle Channel / QPSK



Date: 12.APR.2025 00:44:01

Highest Channel / QPSK

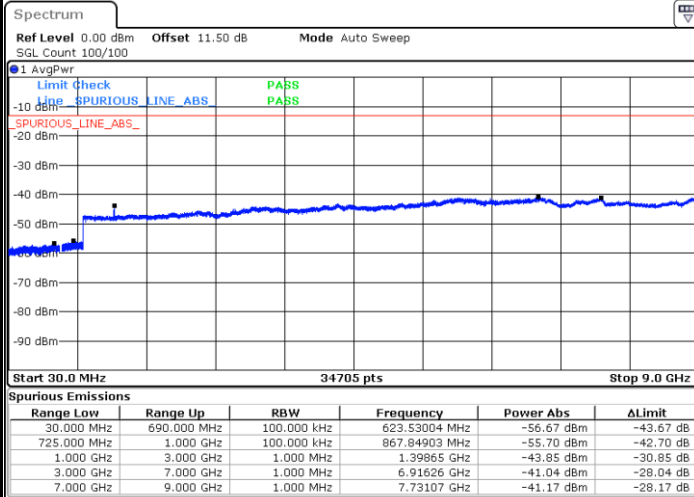


Date: 12.APR.2025 00:45:13



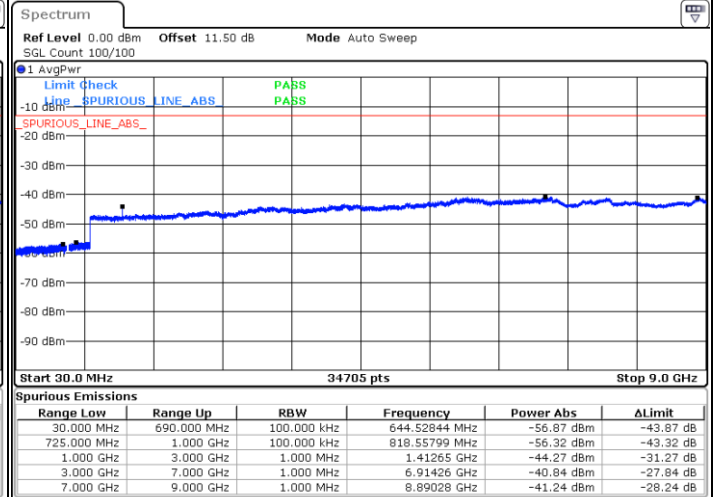
LTE Band 12 / 3MHz

Lowest Channel / QPSK



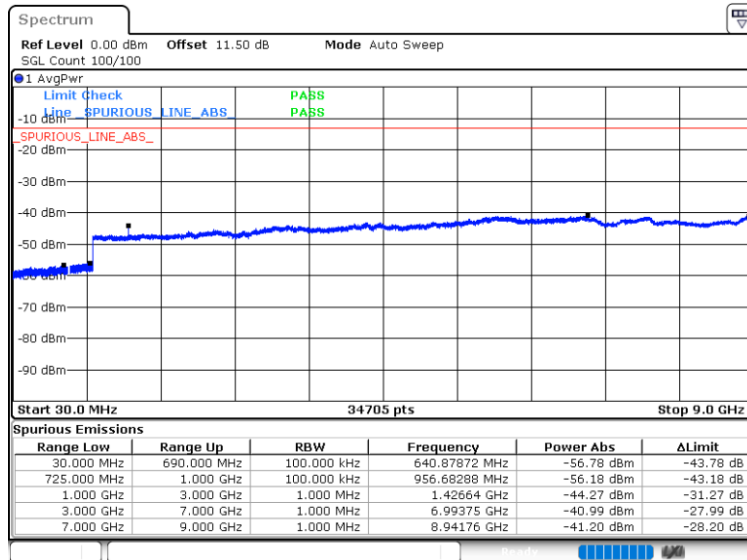
Date: 12.APR.2025 00:46:27

Middle Channel / QPSK



Date: 12.APR.2025 00:47:39

Highest Channel / QPSK

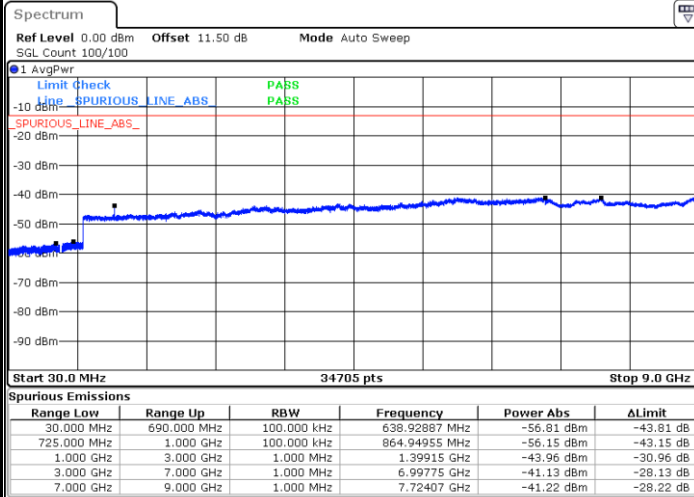


Date: 12.APR.2025 00:48:51



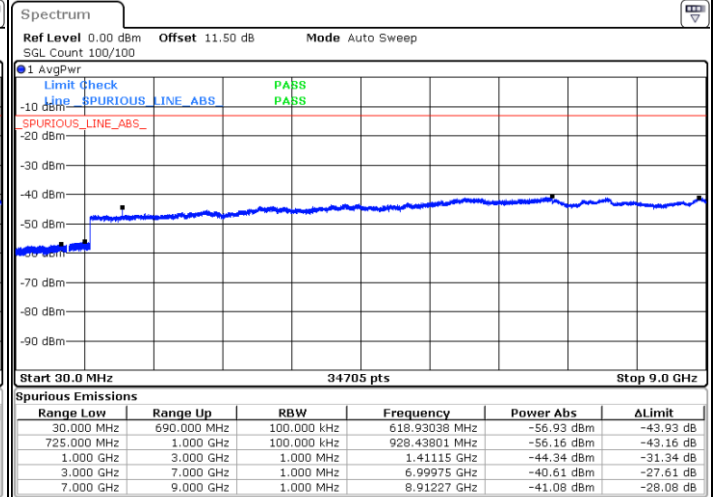
LTE Band 12 / 5MHz

Lowest Channel / QPSK



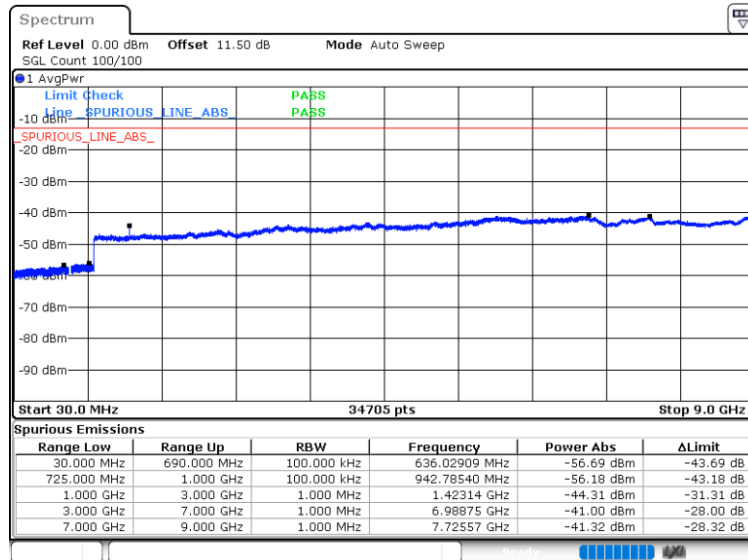
Date: 12.APR.2025 00:50:05

Middle Channel / QPSK



Date: 12.APR.2025 00:51:17

Highest Channel / QPSK

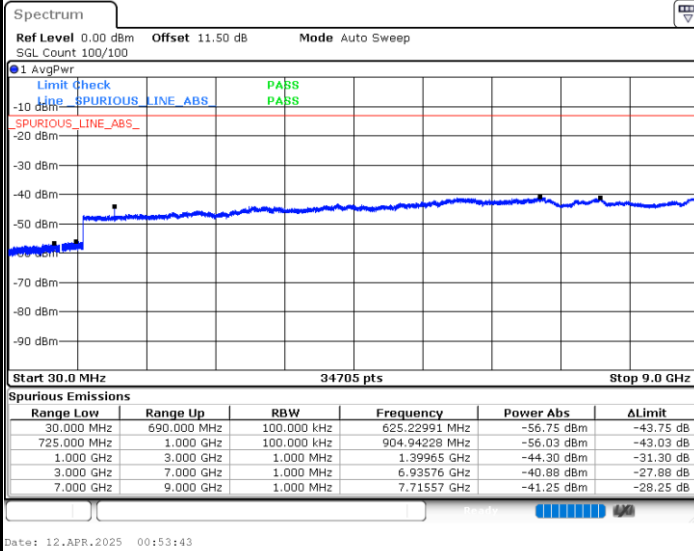


Date: 12.APR.2025 00:52:29

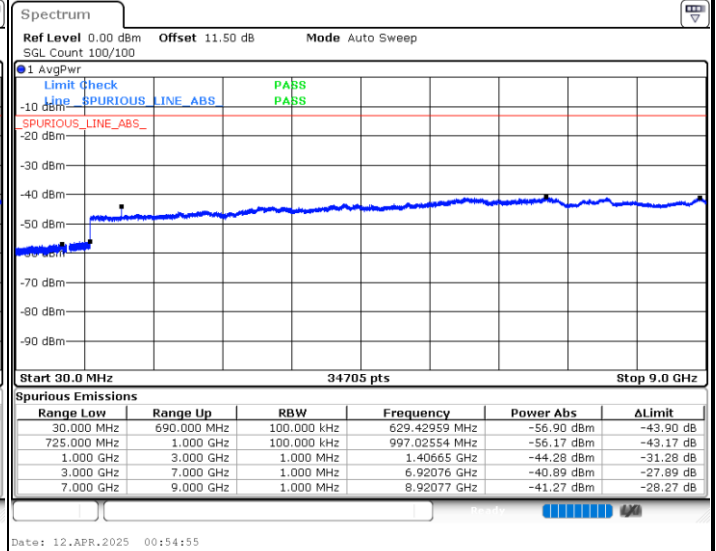


LTE Band 12 / 10MHz

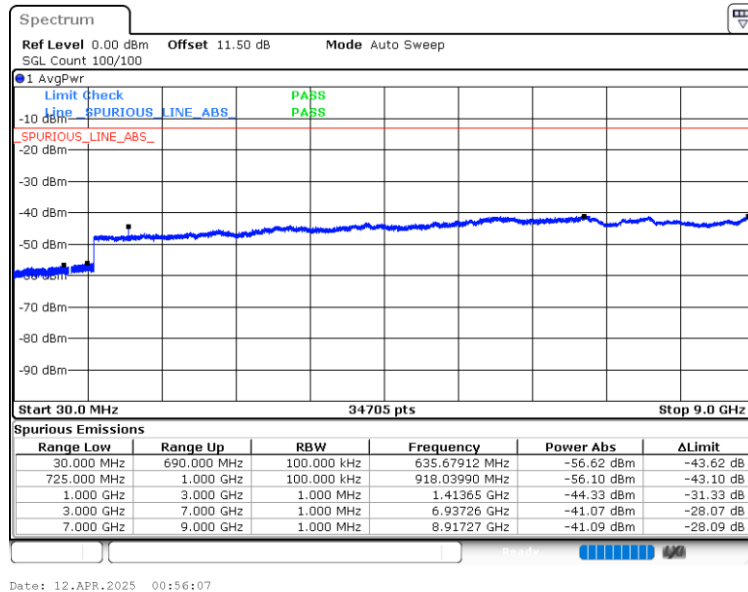
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK



Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0076	PASS
40	Normal Voltage	0.0047	
30	Normal Voltage	0.0099	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0083	
0	Normal Voltage	0.0062	
-10	Normal Voltage	0.0134	
-20	Normal Voltage	0.0092	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0044	

Note:

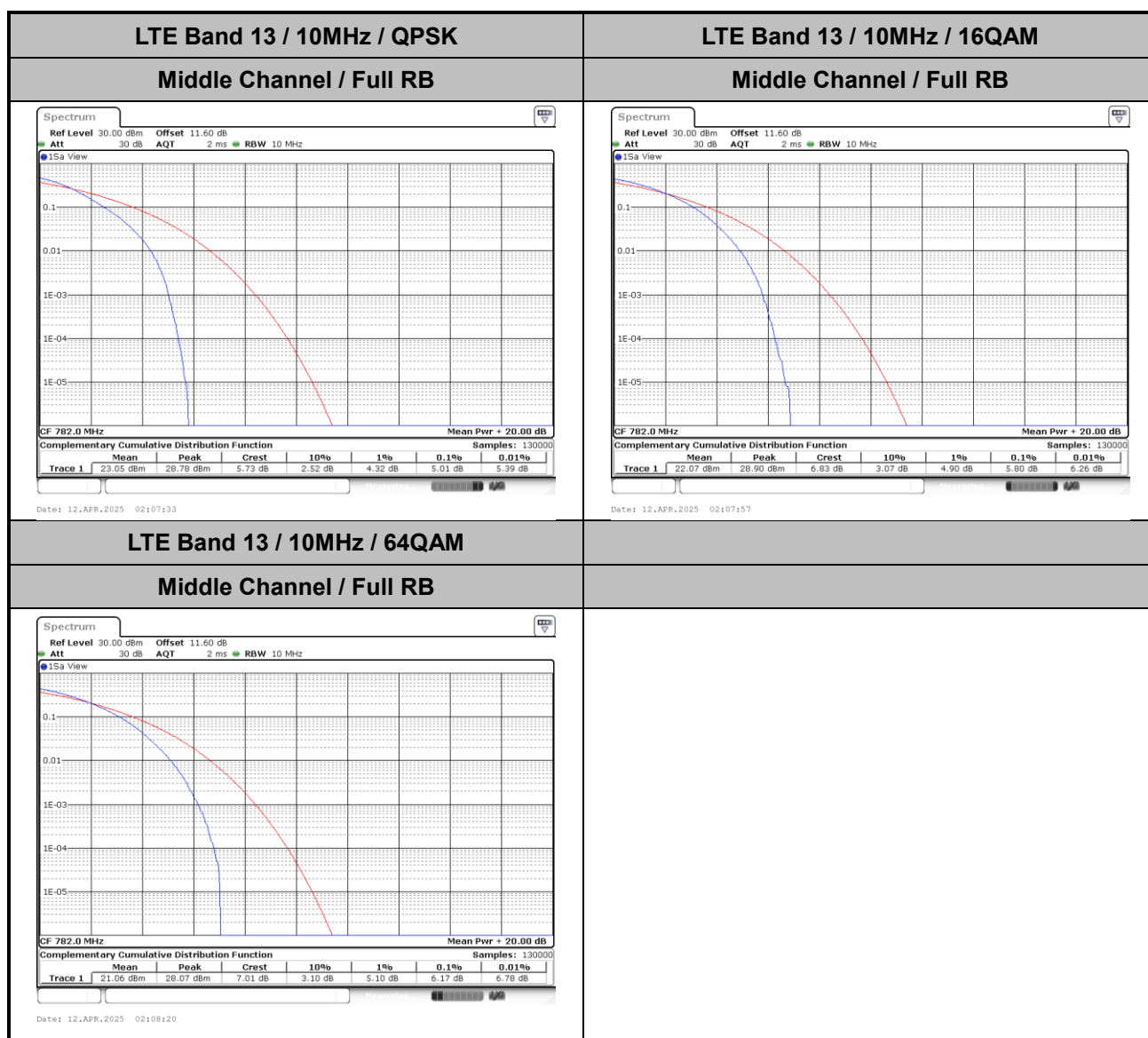
1. Normal Voltage = 3.8 V. ; Minimum Voltage = 3.4 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.01	5.80	6.17	-	PASS



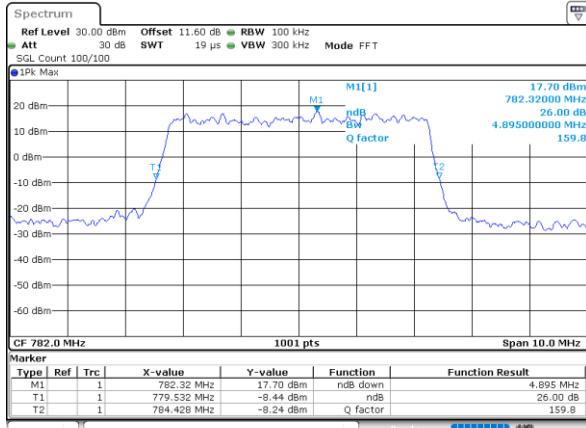
**26dB Bandwidth**

Mode	LTE Band 13 : 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	-	-	-	-	4.89	4.89	9.81	9.92	-	-	-	-
Mode	LTE Band 13 : 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	-	-	-	-	4.83	-	9.75	-	-	-	-	-



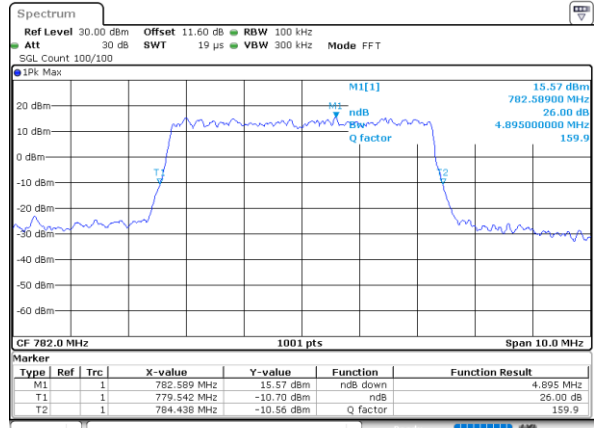
LTE Band 13

Middle Channel / 5MHz / QPSK



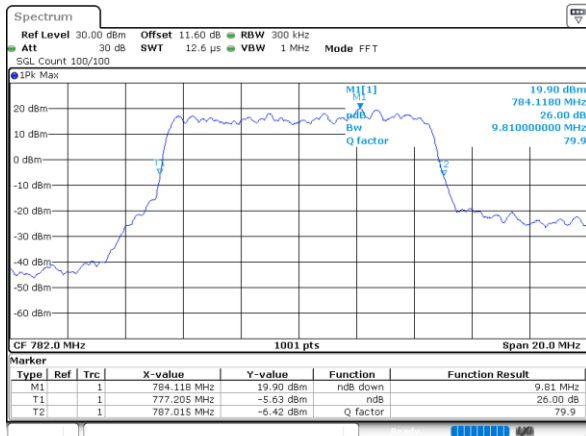
Date: 12.APR.2025 02:05:16

Middle Channel / 5MHz / 16QAM



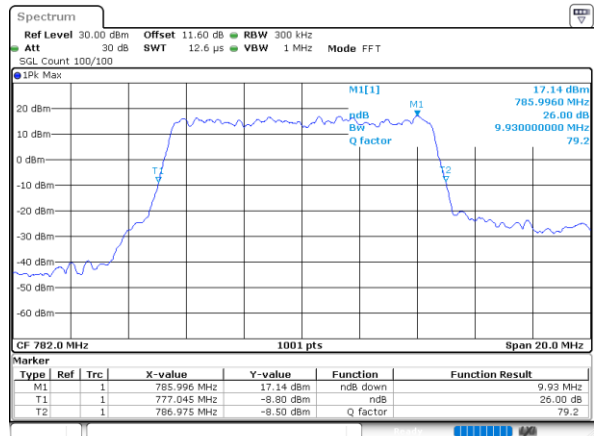
Date: 12.APR.2025 02:05:19

Middle Channel / 10MHz / QPSK



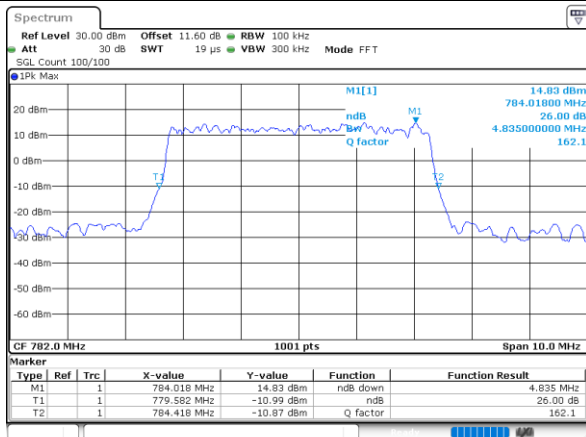
Date: 12.APR.2025 02:06:25

Middle Channel / 10MHz / 16QAM



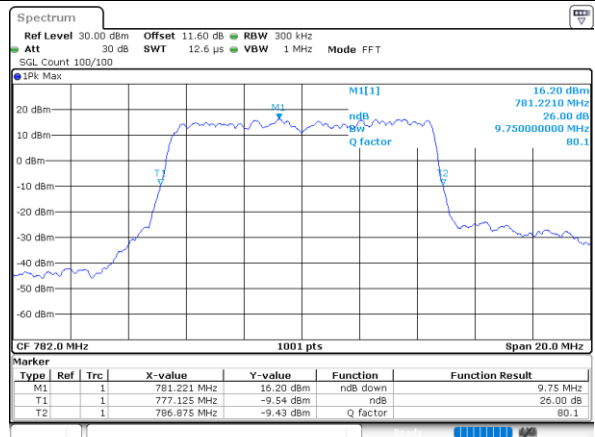
Date: 12.APR.2025 02:06:47

Middle Channel / 5MHz / 64QAM



Date: 12.APR.2025 02:06:01

Middle Channel / 10MHz / 64QAM



Date: 12.APR.2025 02:07:10

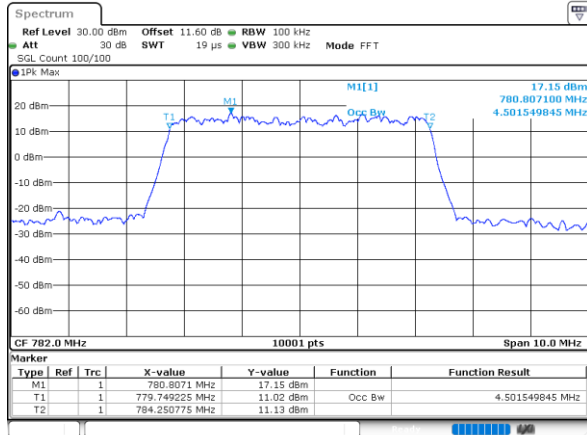
**Occupied Bandwidth**

Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.50	4.48	9.04	9.01	-	-	-	-
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.49	-	9.02	-	-	-	-	-



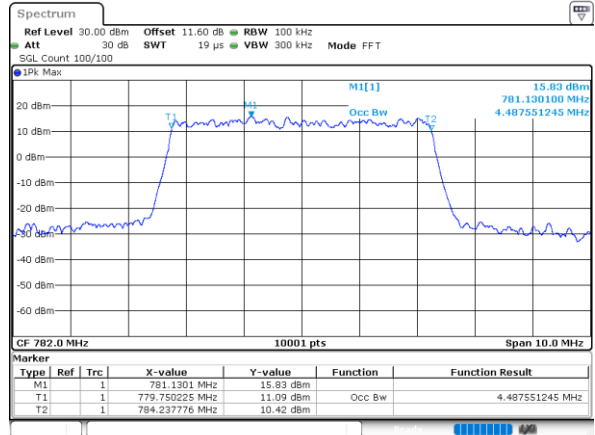
LTE Band 13

Middle Channel / 5MHz / QPSK



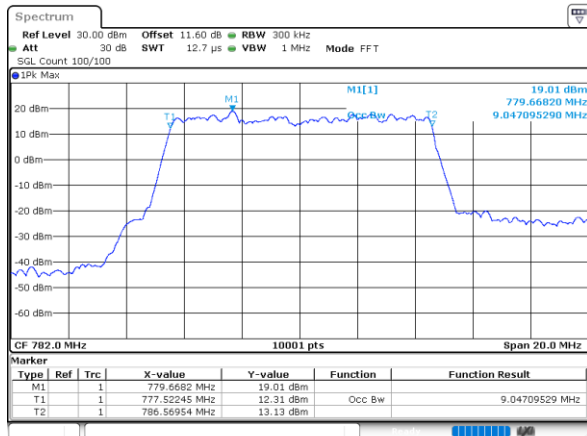
Date: 12.APR.2025 02:02:59

Middle Channel / 5MHz / 16QAM



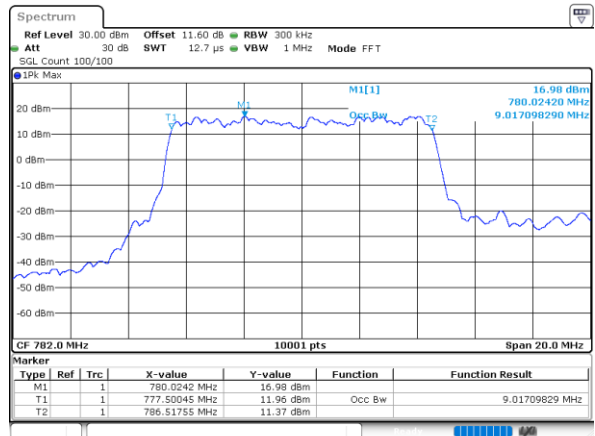
Date: 12.APR.2025 02:03:21

Middle Channel / 10MHz / QPSK



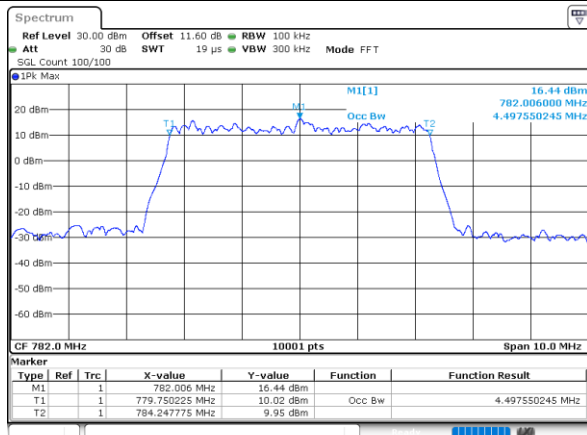
Date: 12.APR.2025 02:04:07

Middle Channel / 10MHz / 16QAM



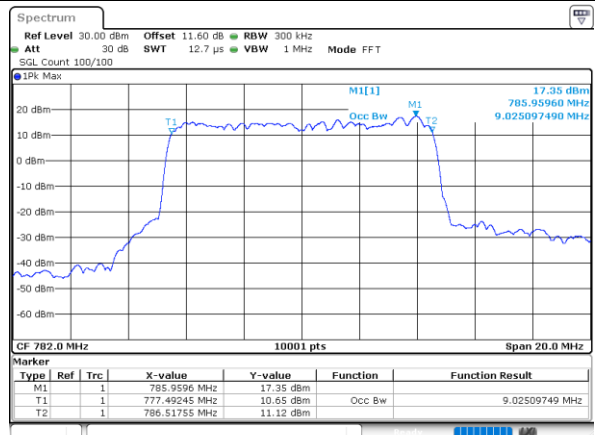
Date: 12.APR.2025 02:04:30

Middle Channel / 5MHz / 64QAM

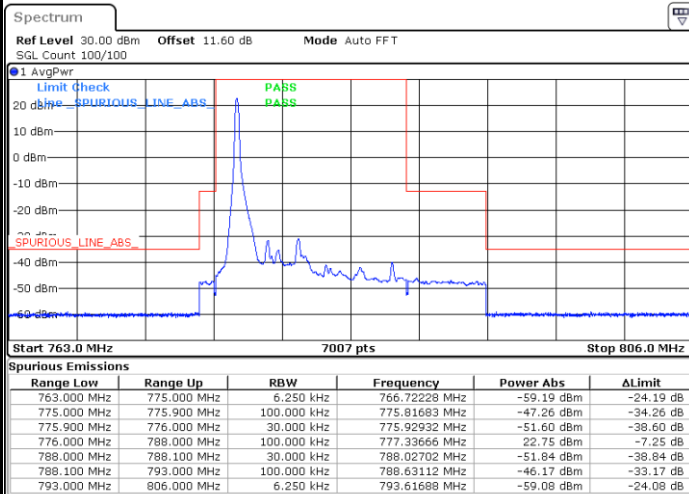
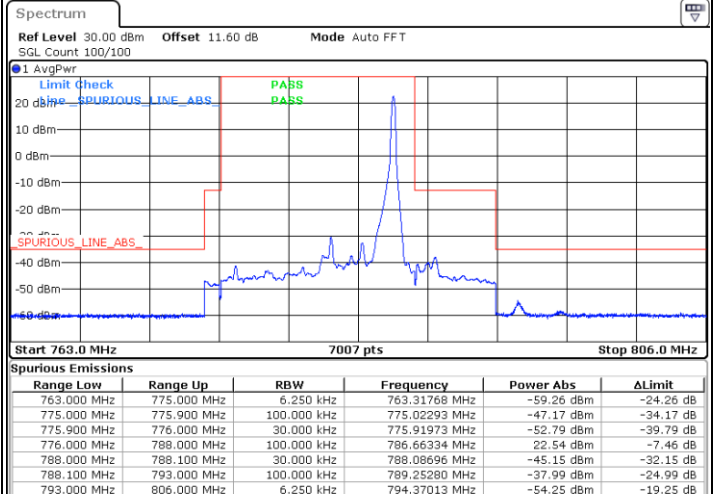
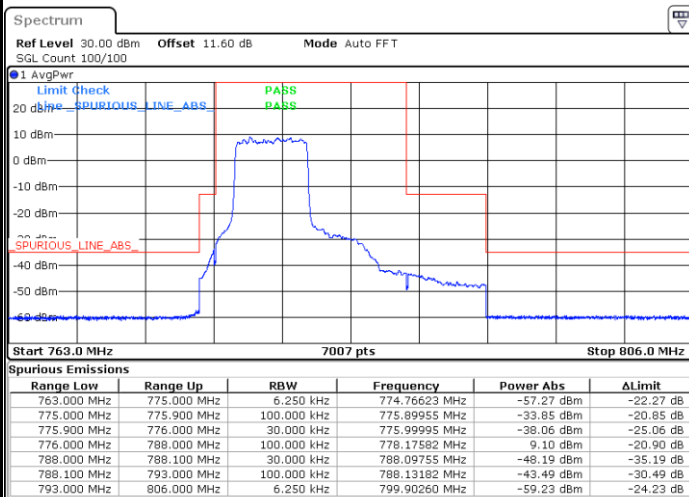
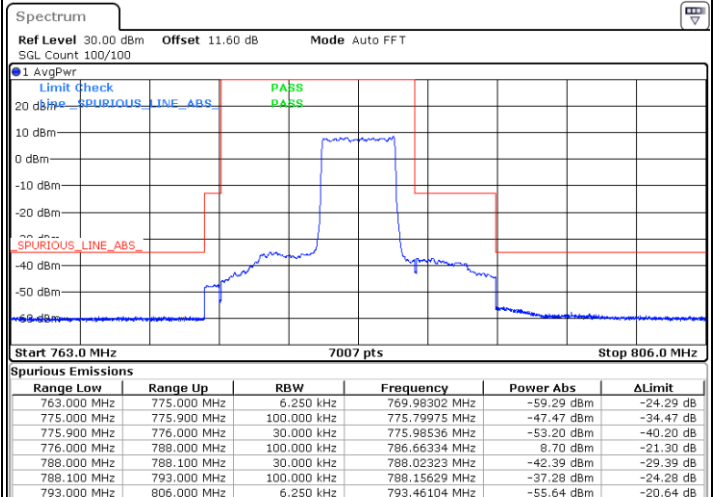


Date: 12.APR.2025 02:03:43

Middle Channel / 10MHz / 64QAM



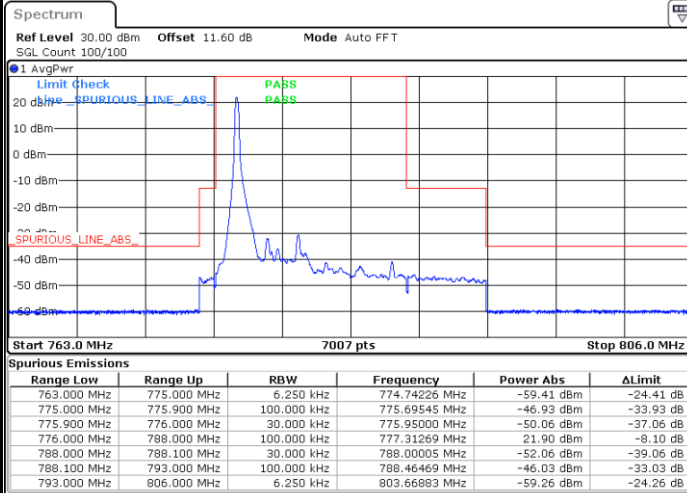
Date: 12.APR.2025 02:04:52

**Conducted Band Edge****LTE Band 13 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



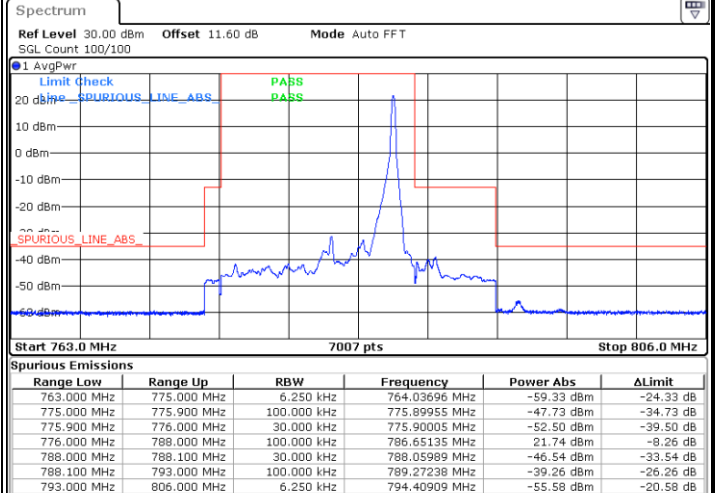
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



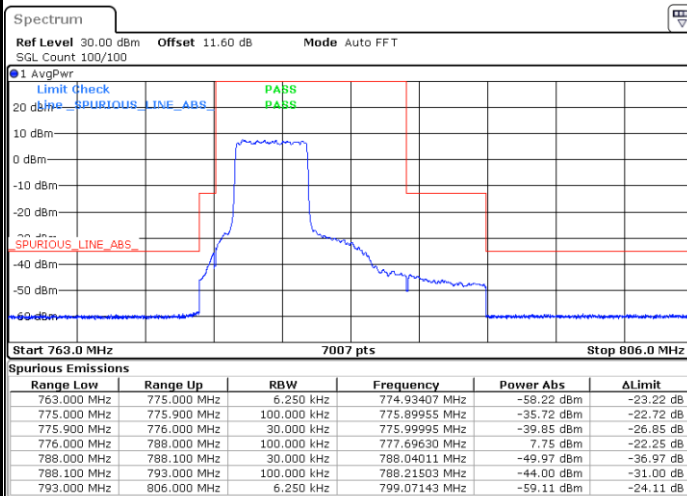
Date: 12.APR.2025 01:48:48

Highest Band Edge / 1 RB



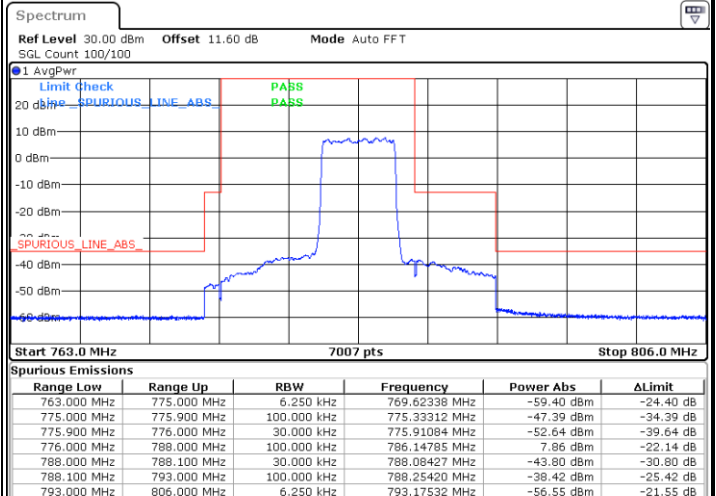
Date: 12.APR.2025 01:57:03

Lowest Band Edge / Full RB



Date: 12.APR.2025 01:44:40

Highest Band Edge / Full RB

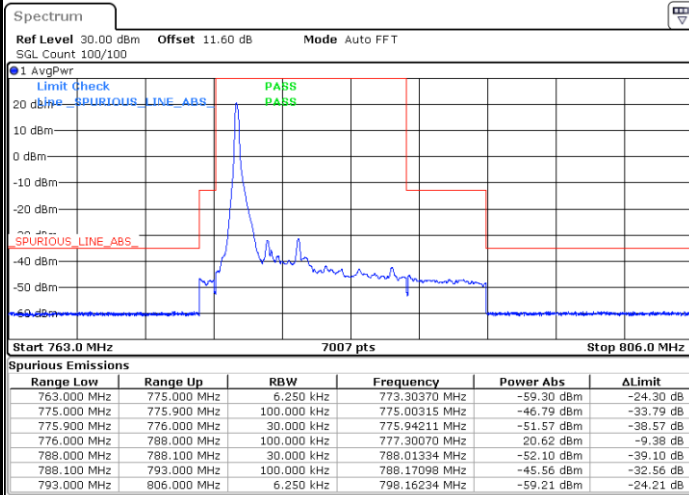


Date: 12.APR.2025 01:52:55



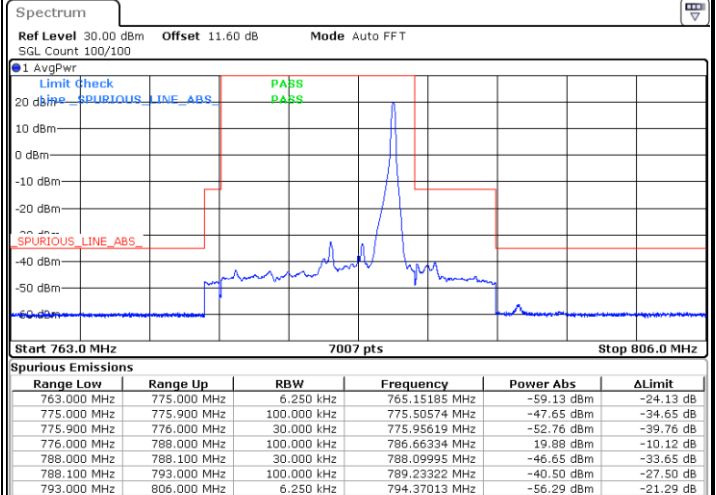
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



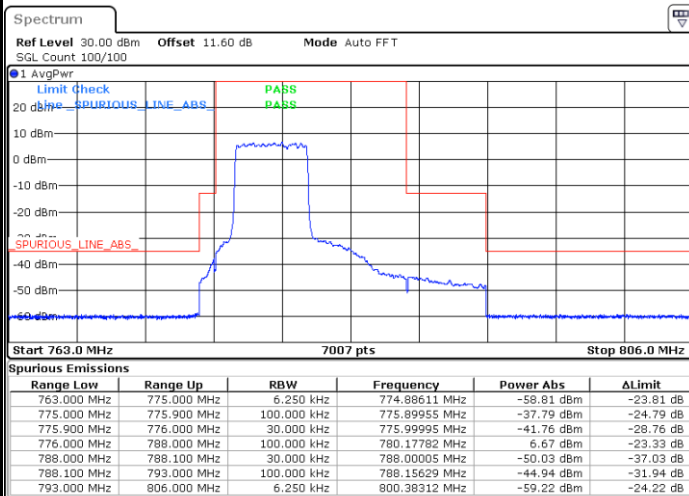
Date: 12.APR.2025 01:50:10

Highest Band Edge / 1 RB



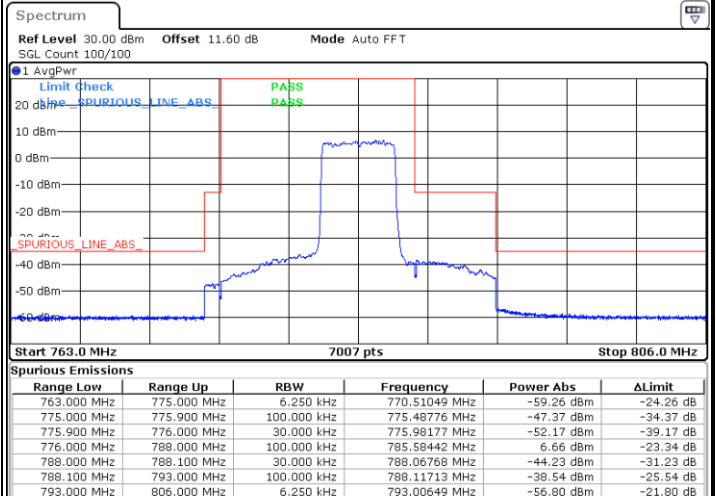
Date: 12.APR.2025 01:58:26

Lowest Band Edge / Full RB



Date: 12.APR.2025 01:46:03

Highest Band Edge / Full RB



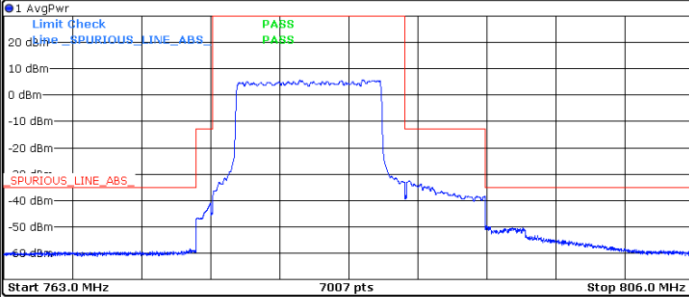
Date: 12.APR.2025 01:54:18



LTE Band 13 / 10MHz / QPSK

Band Edge / Full RB

Spectrum

Ref Level 30.00 dBm Offset 11.60 dB Mode Auto FFT
SGL Count 100/100

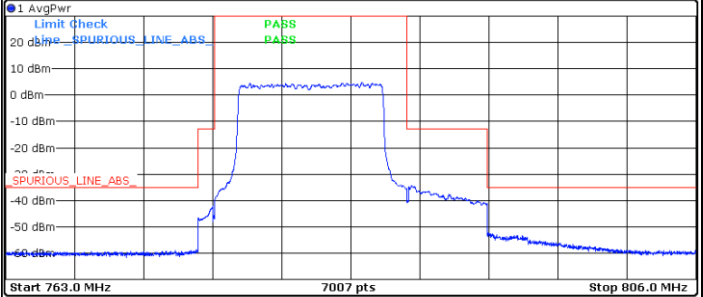
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.61039 MHz	-58.51 dBm	-23.51 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-40.96 dBm	-27.96 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98856 MHz	-44.60 dBm	-31.60 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.38062 MHz	5.81 dBm	-24.19 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04500 MHz	-38.17 dBm	-25.17 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.24441 MHz	-32.60 dBm	-19.60 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.08442 MHz	-49.79 dBm	-14.79 dB

Date: 12.APR.2025 01:59:50

LTE Band 13 / 10MHz / 16QAM

Band Edge / Full RB

Spectrum

Ref Level 30.00 dBm Offset 11.60 dB Mode Auto FFT
SGL Count 100/100

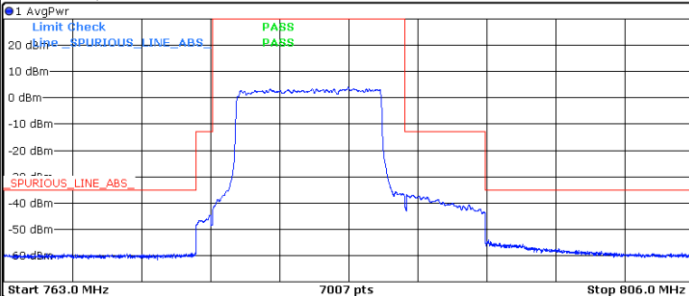
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.87413 MHz	-58.80 dBm	-23.80 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-42.18 dBm	-29.18 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97138 MHz	-45.74 dBm	-32.74 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.20080 MHz	4.92 dBm	-25.18 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08057 MHz	-40.00 dBm	-27.00 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.27378 MHz	-34.51 dBm	-21.51 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03247 MHz	-52.35 dBm	-17.35 dB

Date: 12.APR.2025 02:01:12

LTE Band 13 / 10MHz / 64QAM

Band Edge / Full RB

Spectrum

Ref Level 30.00 dBm Offset 11.60 dB Mode Auto FFT
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.89810 MHz	-59.14 dBm	-24.14 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.84111 MHz	-44.61 dBm	-31.61 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93132 MHz	-48.34 dBm	-35.34 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.45754 MHz	3.98 dBm	-26.02 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00005 MHz	-41.70 dBm	-28.70 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-36.88 dBm	-23.88 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.22727 MHz	-54.19 dBm	-19.19 dB

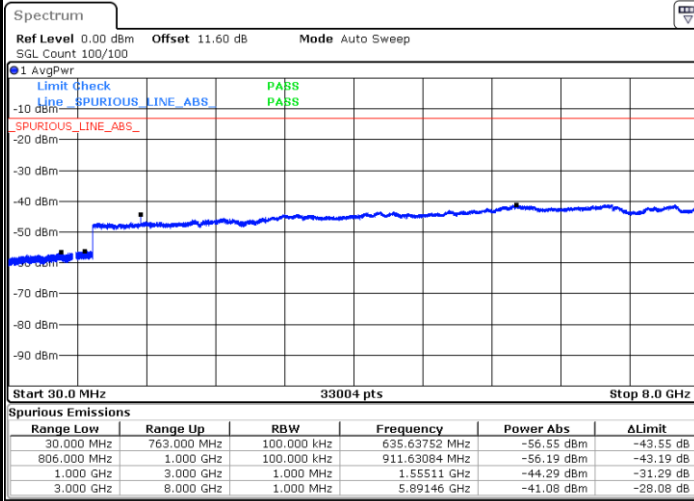
Date: 12.APR.2025 02:02:34



Conducted Spurious Emission

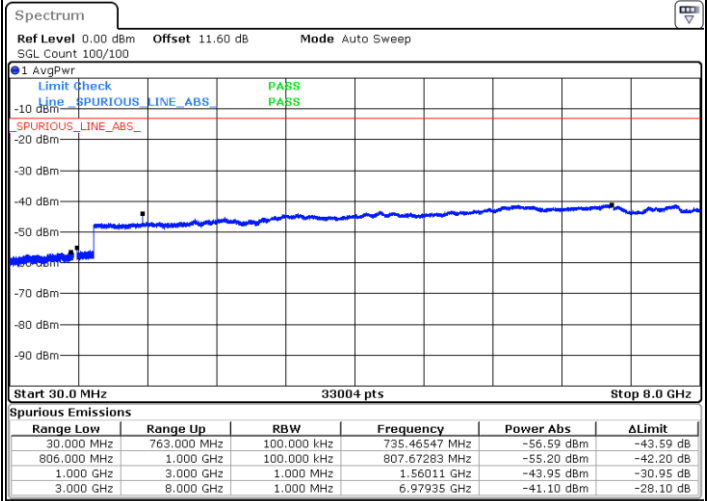
LTE Band 13 / 5MHz

Lowest Channel / QPSK



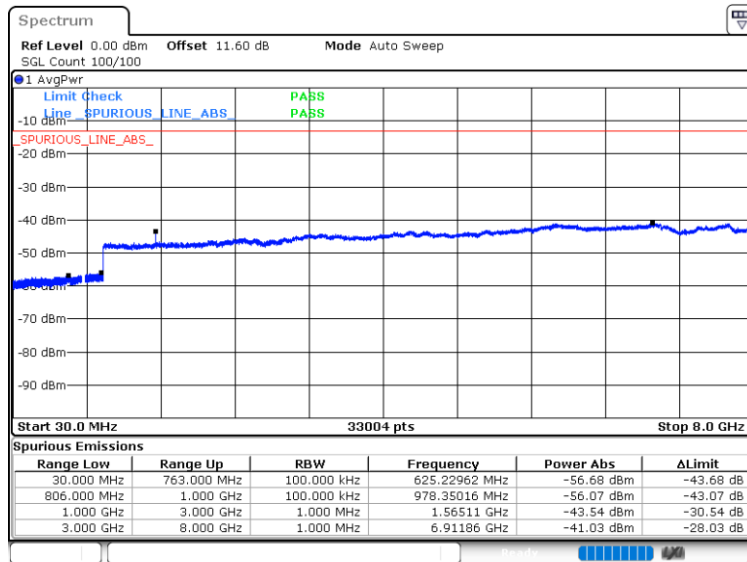
Date: 12.APR.2025 02:09:33

Middle Channel / QPSK



Date: 12.APR.2025 02:10:45

Highest Channel / QPSK

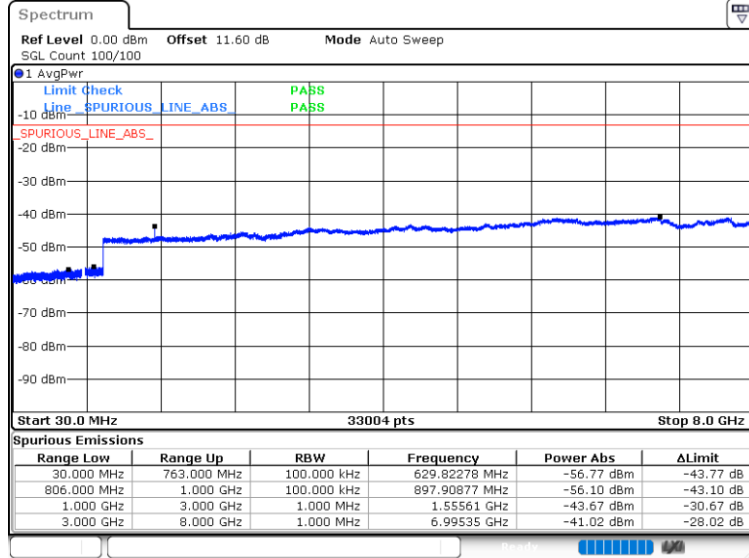


Date: 12.APR.2025 02:11:57



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 12.APR.2025 02:13:11

Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0151	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0118	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0147	
0	Normal Voltage	0.0184	
-10	Normal Voltage	0.0109	
-20	Normal Voltage	0.0133	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0035	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0157	

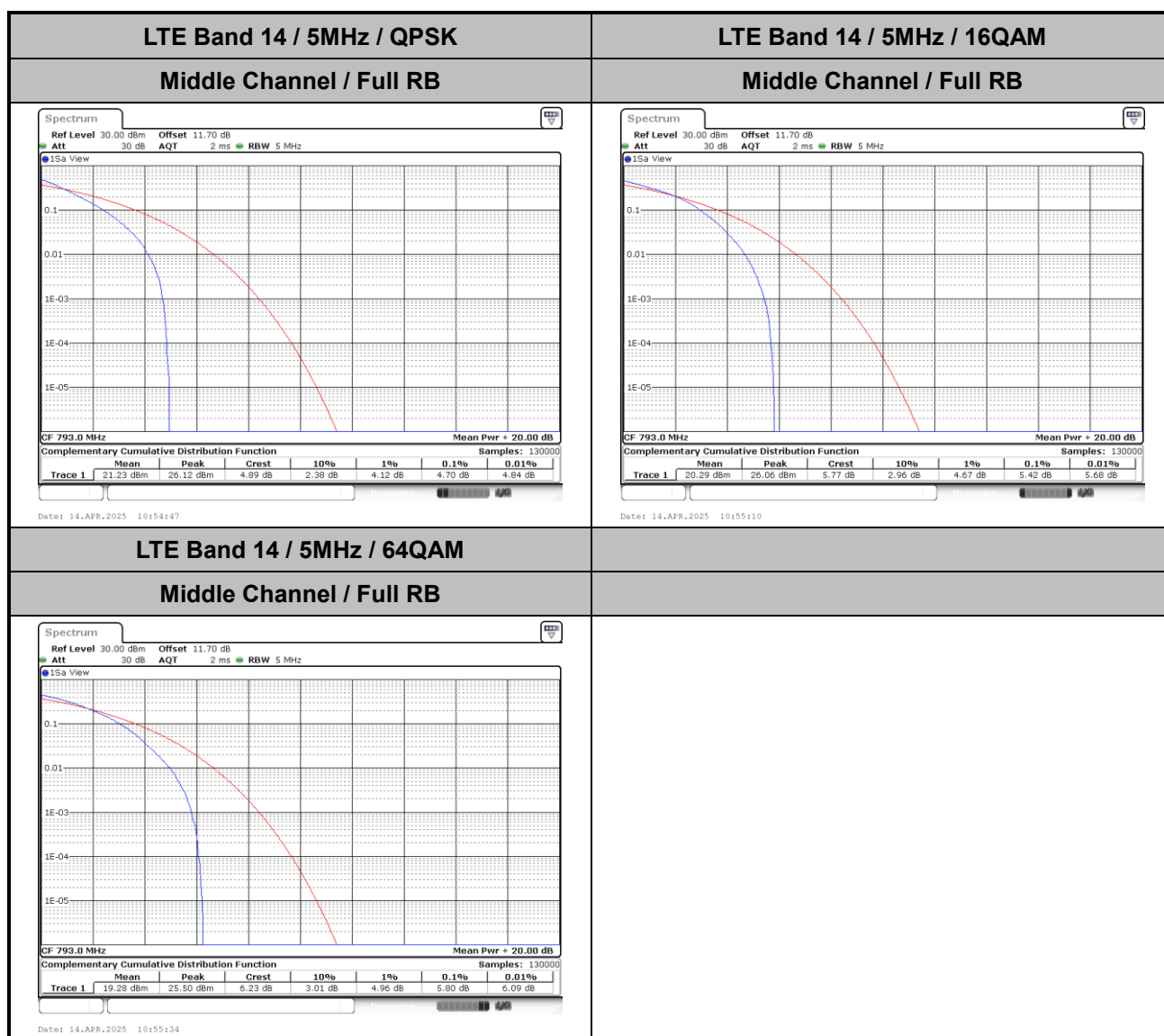
Note:

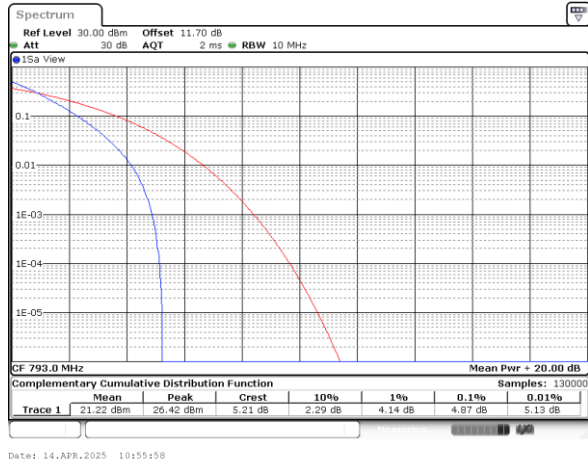
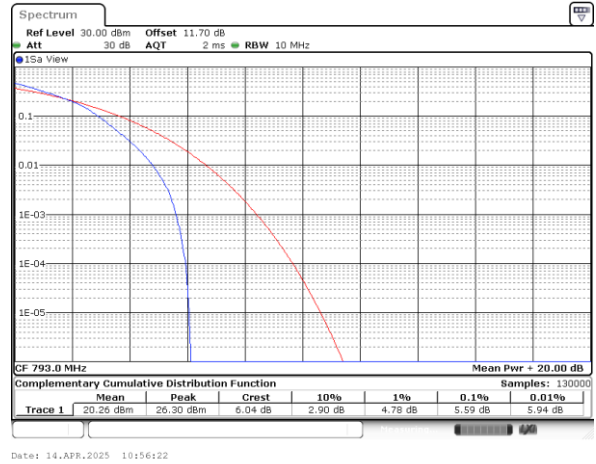
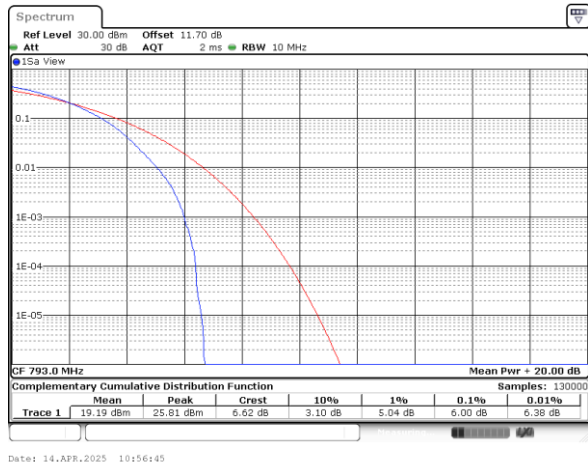
1. Normal Voltage =3.8 V. ; Minimum Voltage =3.4 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 14

Peak-to-Average Ratio

Mode	LTE Band 14 / 5MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.70	5.42	5.80	-	PASS
Mode	LTE Band 14 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.87	5.59	6.00	-	PASS



LTE Band 14 / 10MHz / QPSK
Middle Channel / Full RB

LTE Band 14 / 10MHz / 16QAM
Middle Channel / Full RB

LTE Band 14 / 10MHz / 64QAM
Middle Channel / Full RB


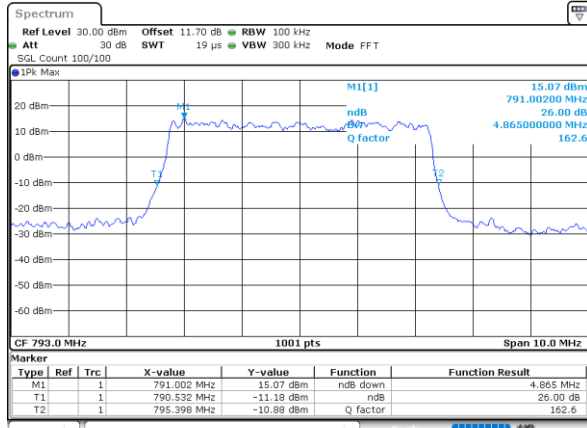
**26dB Bandwidth**

Mode	LTE Band 14 : 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	-	-	-	-	4.86	4.89	9.71	9.76	-	-	-	-
Mode	LTE Band 14 : 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	-	-	-	-	4.90	-	9.84	-	-	-	-	-



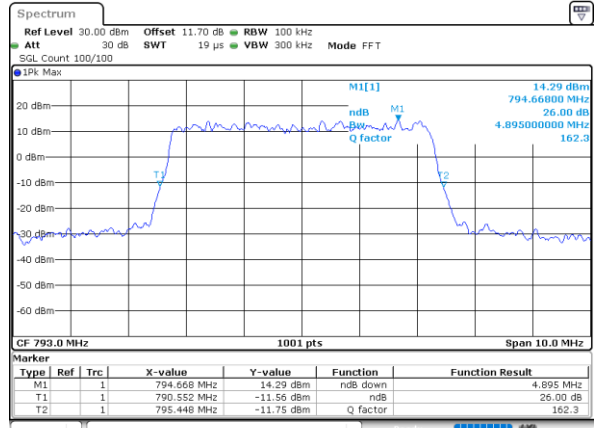
LTE Band 14

Middle Channel / 5MHz / QPSK



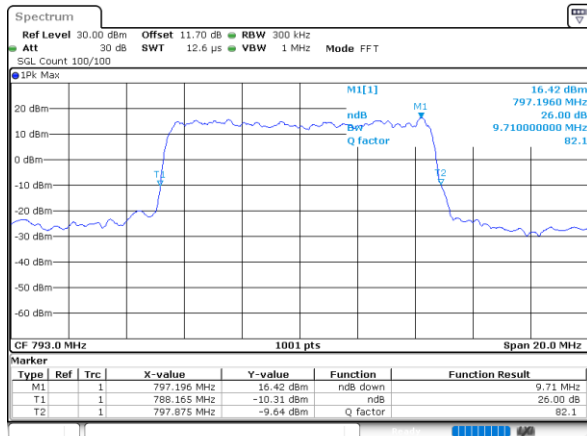
Date: 14.APR.2025 10:52:20

Middle Channel / 5MHz / 16QAM



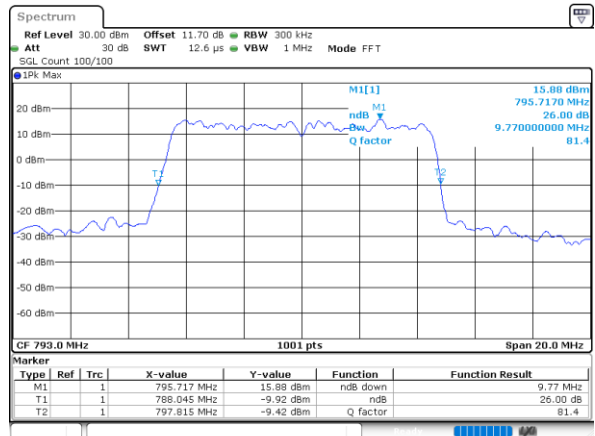
Date: 14.APR.2025 10:52:51

Middle Channel / 10MHz / QPSK



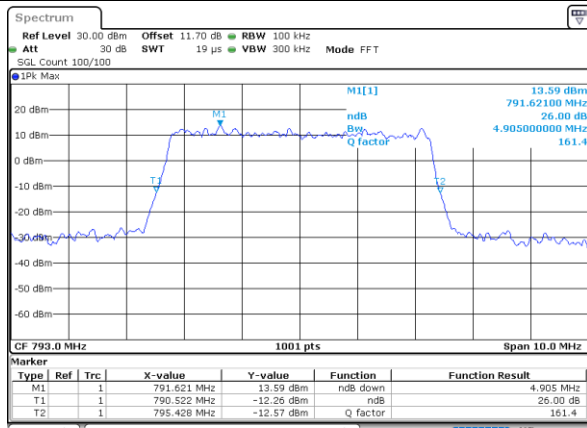
Date: 14.APR.2025 10:53:37

Middle Channel / 10MHz / 16QAM



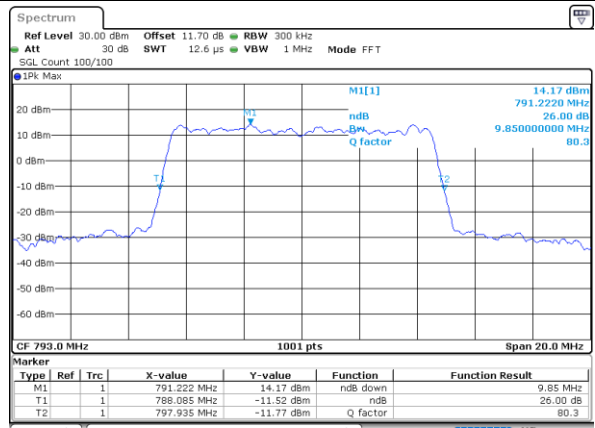
Date: 14.APR.2025 10:54:00

Middle Channel / 5MHz / 64QAM



Date: 14.APR.2025 10:53:14

Middle Channel / 10MHz / 64QAM



Date: 14.APR.2025 10:54:22

**Occupied Bandwidth**

Mode	LTE Band 14 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.48	4.49	9.07	9.02	-	-	-	-
Mode	LTE Band 14 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.49	-	9.07	-	-	-	-	-