



LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1RB



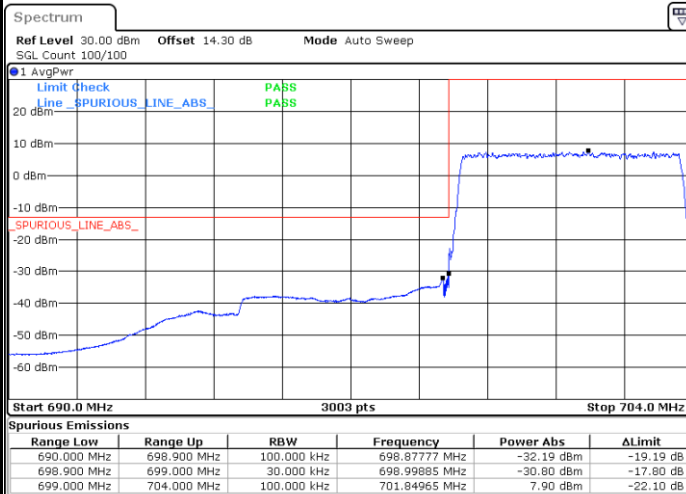
Date: 7.AUG.2026 14:04:58

Highest Band Edge / 1RB



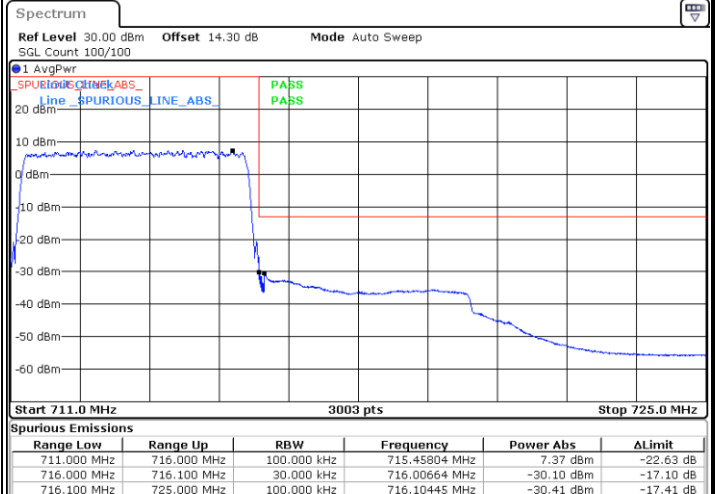
Date: 7.AUG.2026 14:11:55

Lowest Band Edge / Full RB



Date: 7.AUG.2026 14:06:36

Highest Band Edge / Full RB



Date: 7.AUG.2026 14:13:32



LTE Band 12 / 5MHz / 16QAM

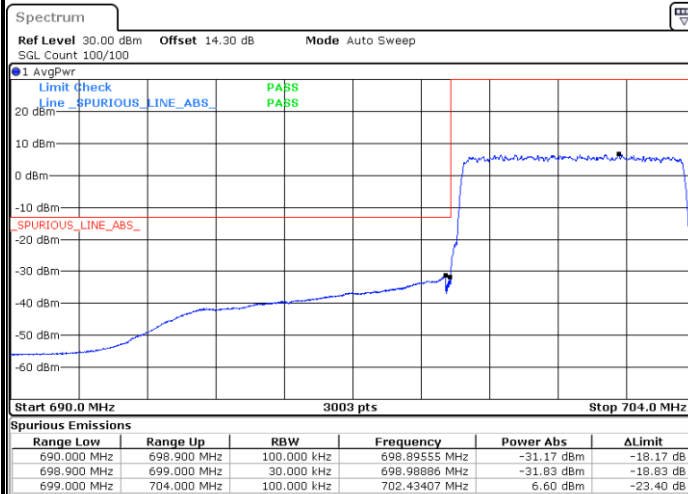
Lowest Band Edge / 1 RB



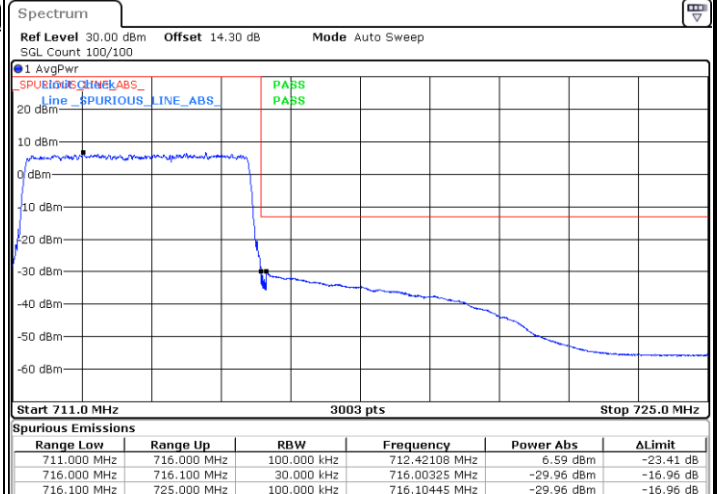
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



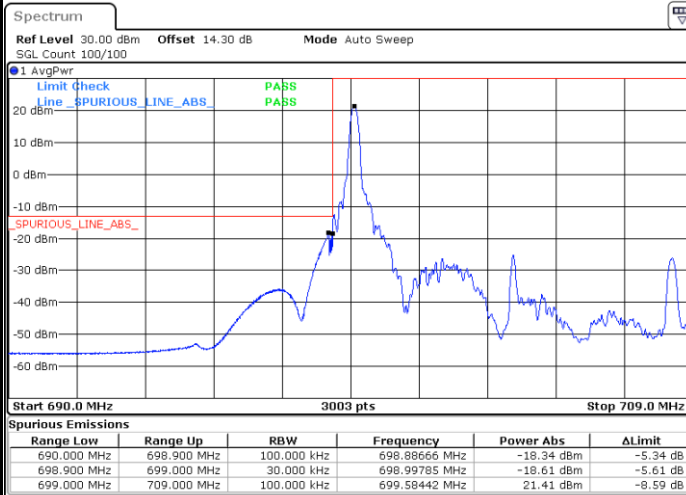
Highest Band Edge / Full RB





LTE Band 12 / 10MHz / QPSK

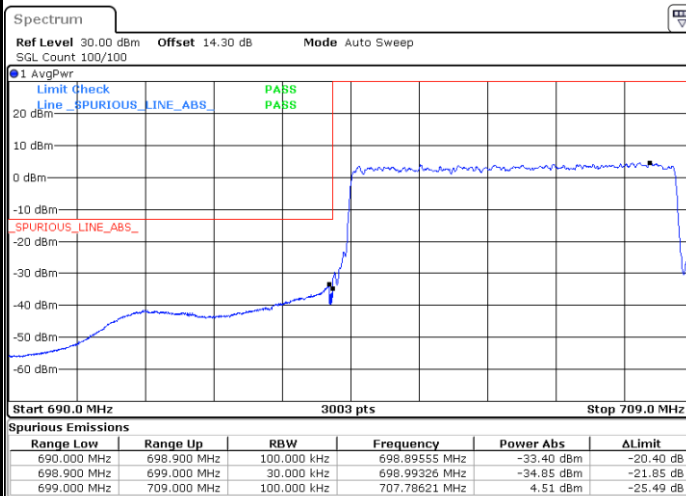
Lowest Band Edge / 1RB



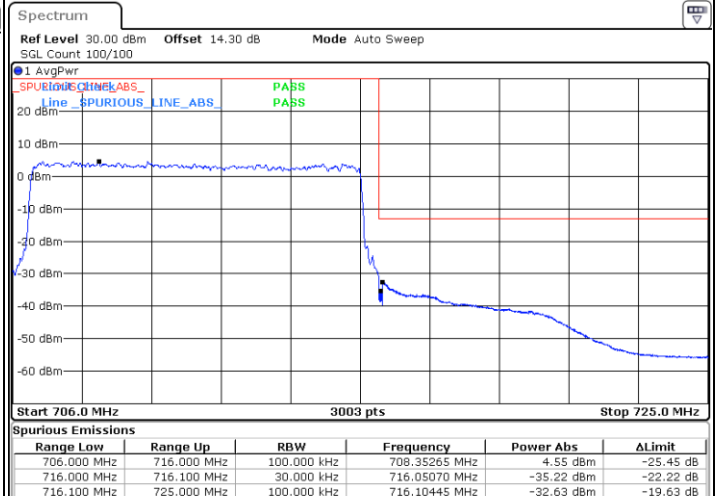
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



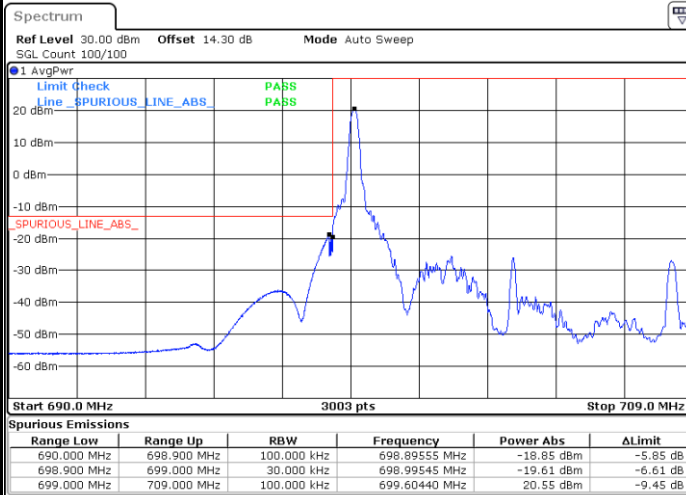
Highest Band Edge / Full RB





LTE Band 12 / 10MHz / 16QAM

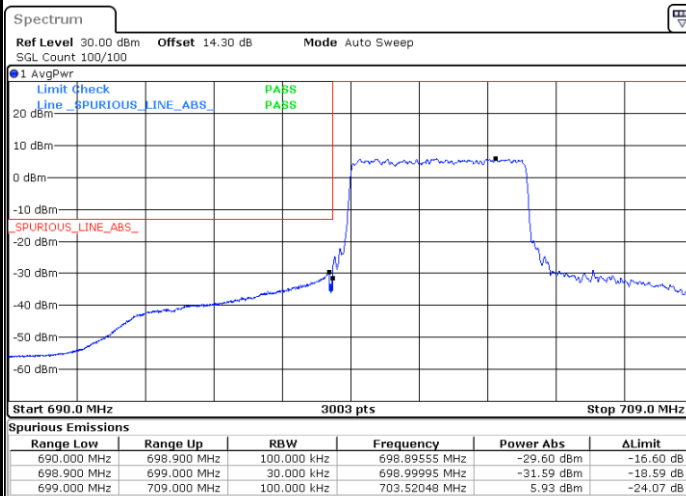
Lowest Band Edge / 1 RB



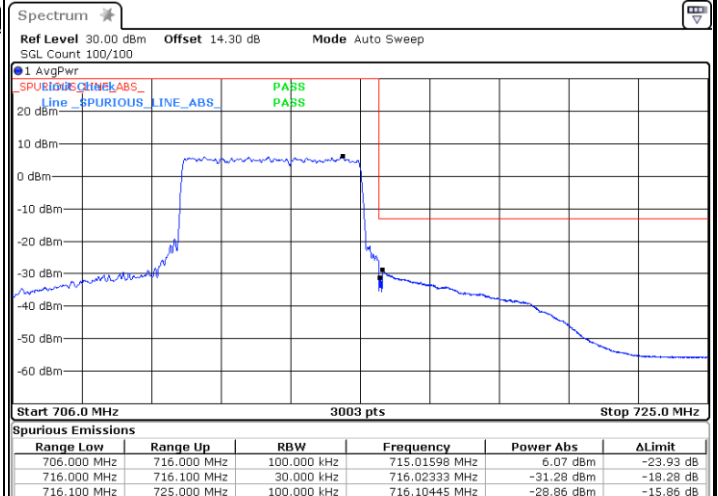
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

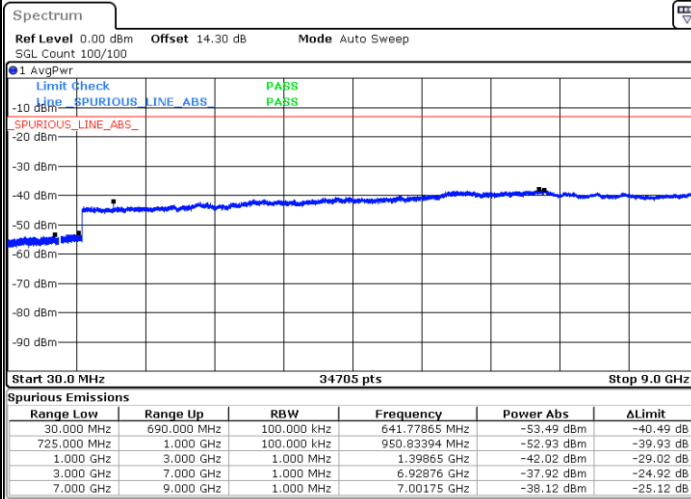




Conducted Spurious Emission

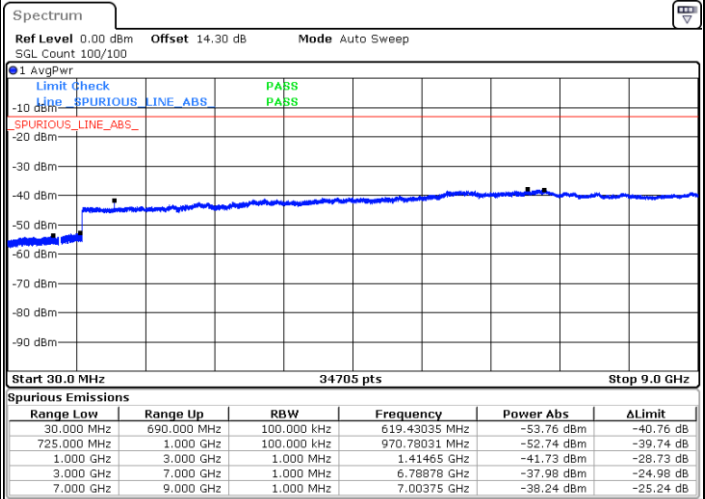
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



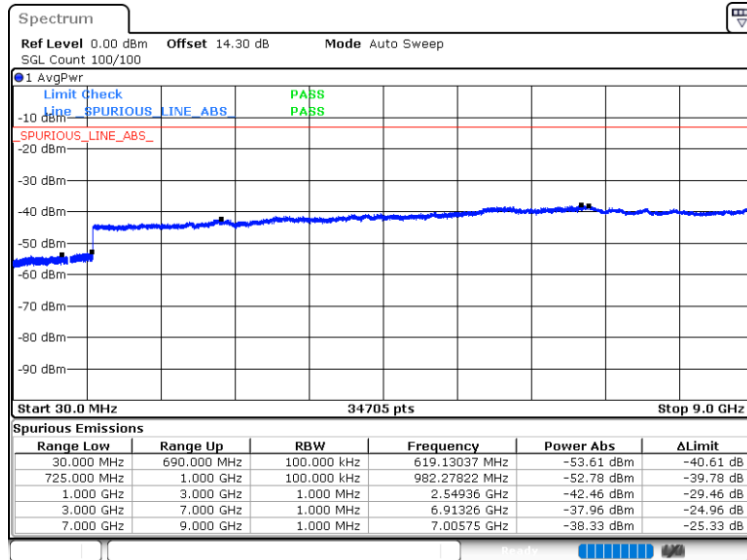
Date: 7.AUG.2026 13:45:42

Middle Channel / QPSK



Date: 7.AUG.2026 13:46:50

Highest Channel / QPSK

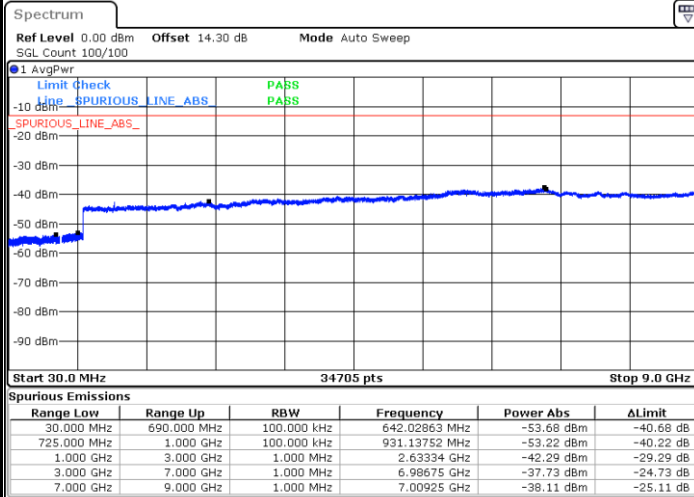


Date: 7.AUG.2026 13:52:38



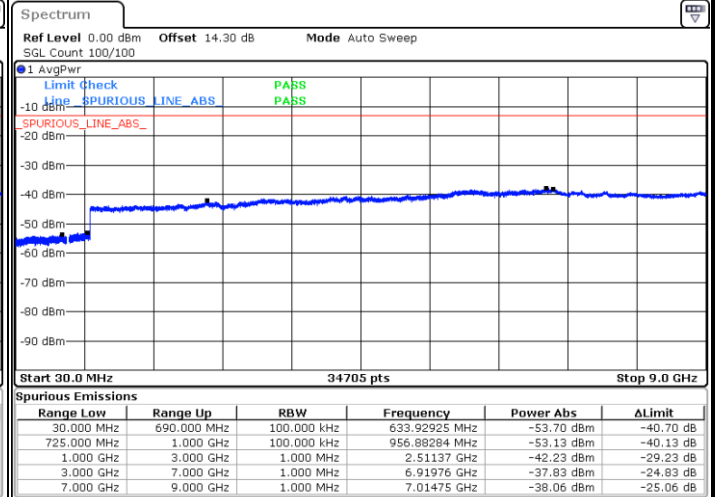
LTE Band 12 / 3MHz

Lowest Channel / QPSK



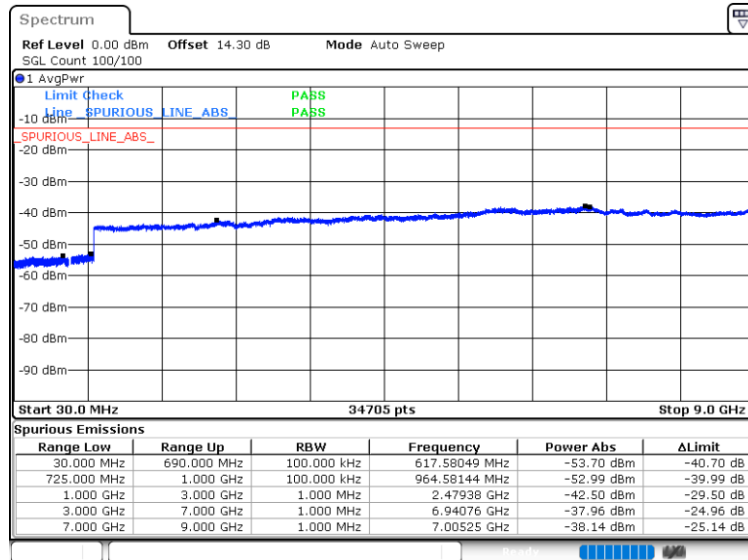
Date: 7.AUG.2026 13:57:08

Middle Channel / QPSK



Date: 7.AUG.2026 13:58:15

Highest Channel / QPSK

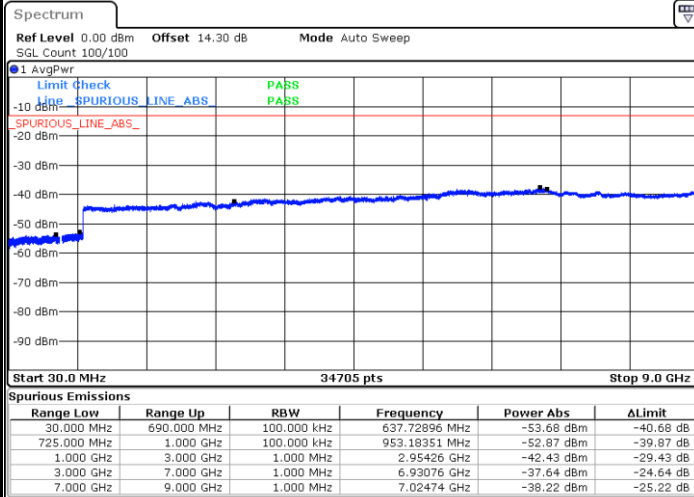


Date: 7.AUG.2026 14:04:04



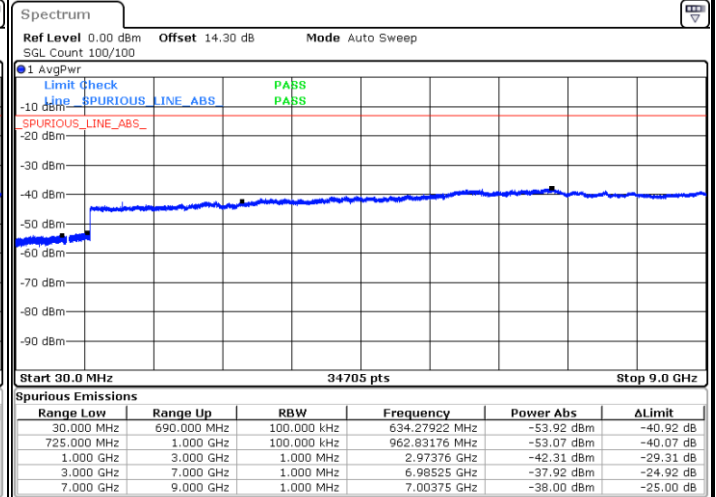
LTE Band 12 / 5MHz

Lowest Channel / QPSK



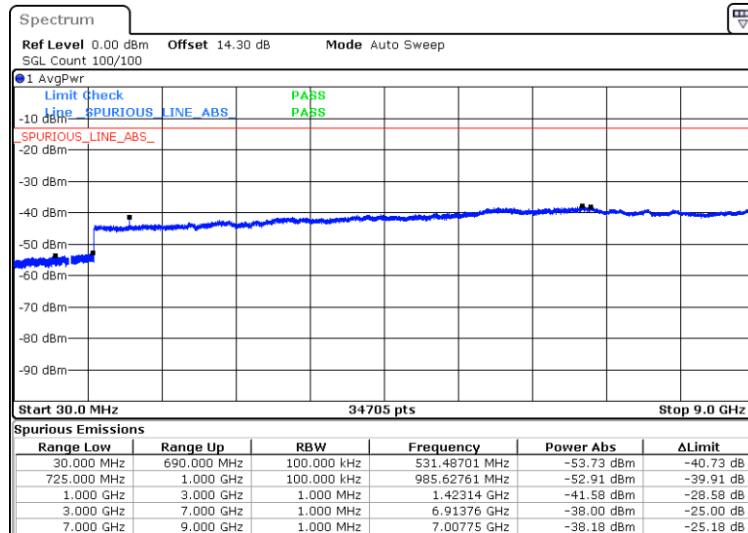
Date: 7.AUG.2026 14:08:33

Middle Channel / QPSK



Date: 7.AUG.2026 14:09:41

Highest Channel / QPSK

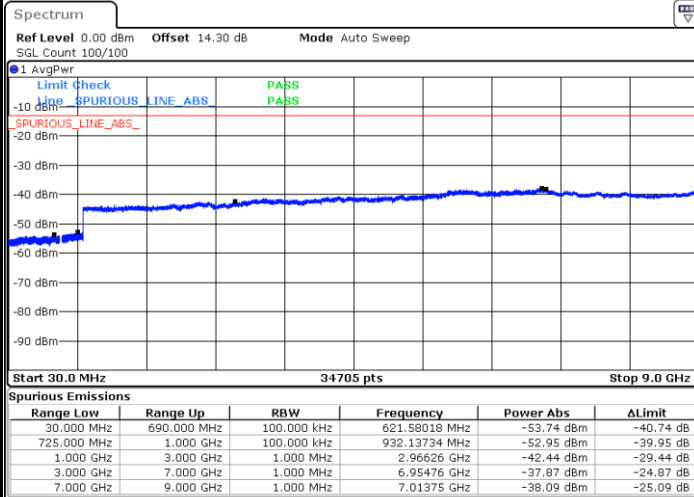


Date: 7.AUG.2026 14:15:29



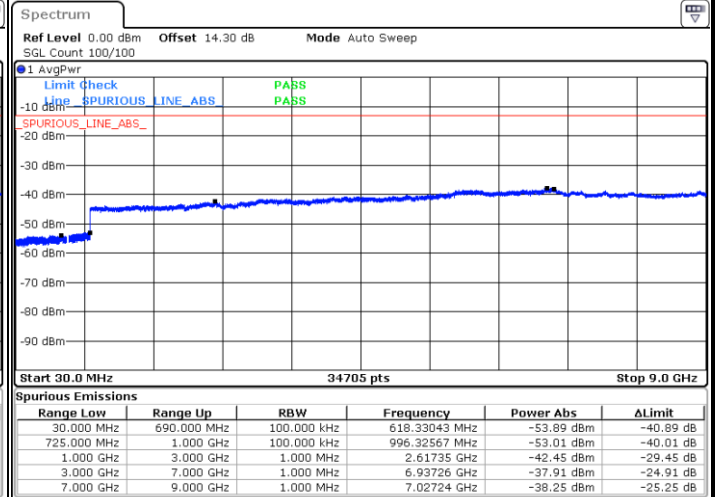
LTE Band 12 / 10MHz

Lowest Channel / QPSK



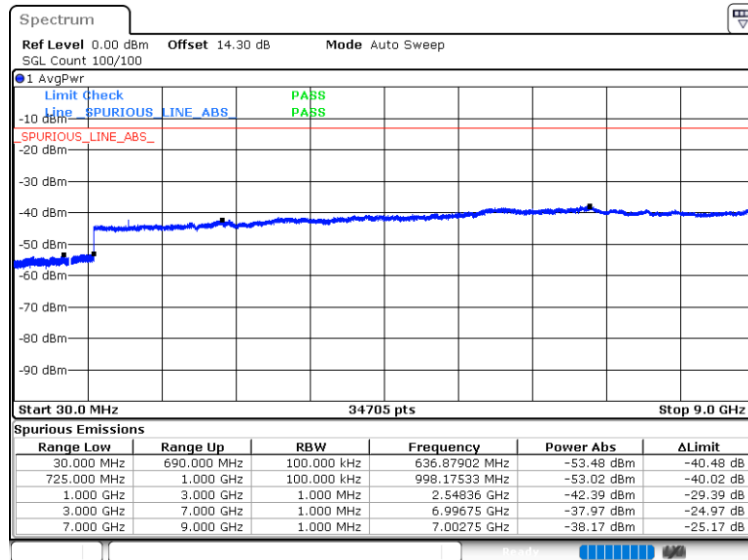
Date: 7.AUG.2026 16:32:59

Middle Channel / QPSK



Date: 7.AUG.2026 16:34:02

Highest Channel / QPSK



Date: 7.AUG.2026 16:38:12

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 1.4MHz	Note 2.
		Frequency Offset (Δf) (Hz)	Result
50	Normal Voltage	1.6	PASS
40	Normal Voltage	2.7	
30	Normal Voltage	1.9	
20(Ref.)	Normal Voltage	2.5	
10	Normal Voltage	3.2	
0	Normal Voltage	2.2	
-10	Normal Voltage	2.6	
-20	Normal Voltage	2.9	
-30	Normal Voltage	1.8	
20	Maximum Voltage	3.3	
20	Normal Voltage	2.5	
20	Minimum Voltage	2.5	

Note:

1. Normal Voltage = 3.8 V. ; Minimum Voltage = 3.3 V. ; Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

$$|MAX(\Delta f)| = 3.3\text{Hz}$$

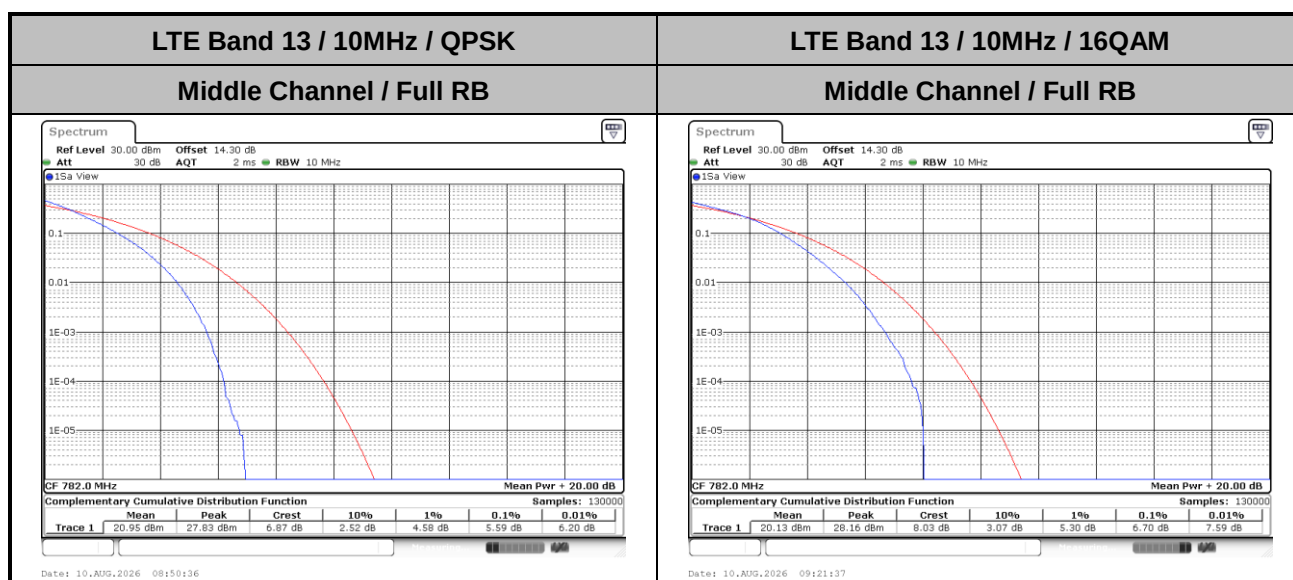
Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - MAX(\Delta f) $	699.1517467	$\geq 699\text{ MHz}$	PASS
$f_H + MAX(\Delta f) $	715.8510533	$\leq 716\text{ MHz}$	



LTE Band 13

Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.59	6.70	-	PASS





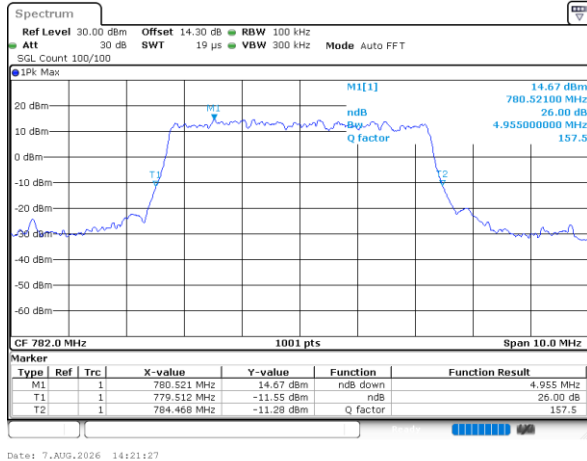
26dB Bandwidth

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	-	-	-	-	4.96	4.88	9.67	6.03	-	-	-	-

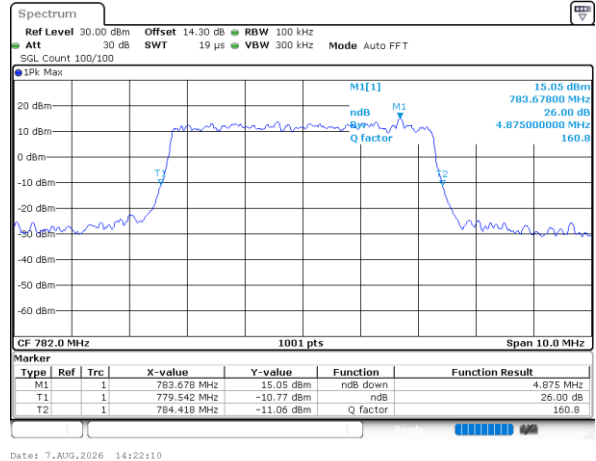


LTE Band 13

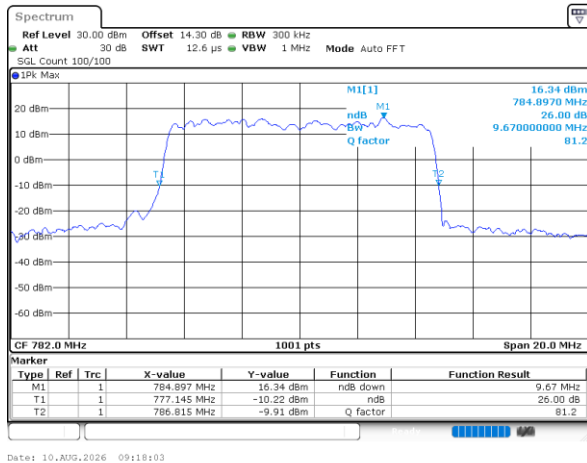
Middle Channel / 5MHz / QPSK



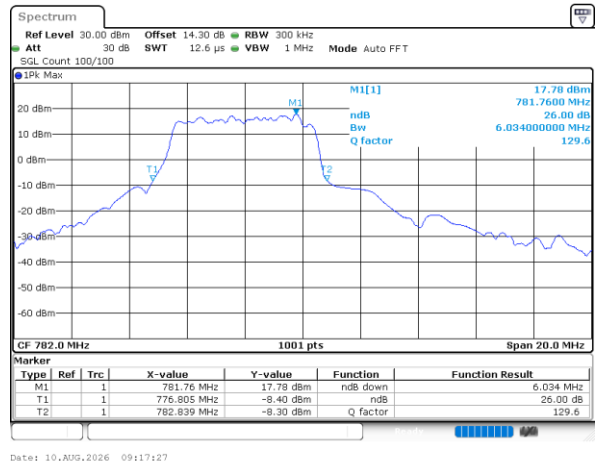
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM





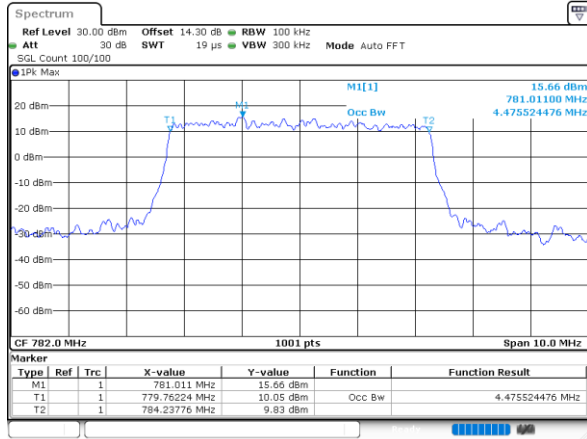
Occupied Bandwidth

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	-	-	-	-	4.48	4.48	9.15	5.11	-	-	-	-

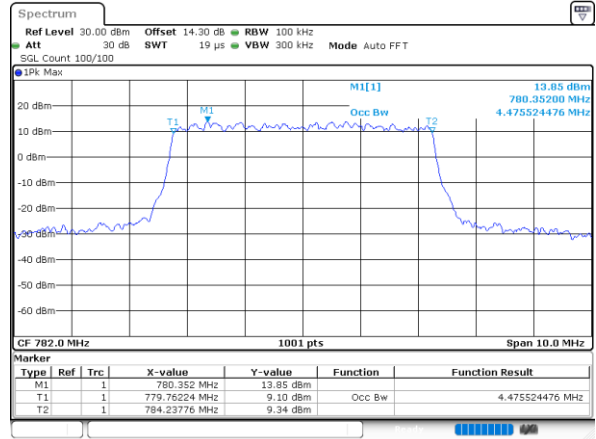


LTE Band 13

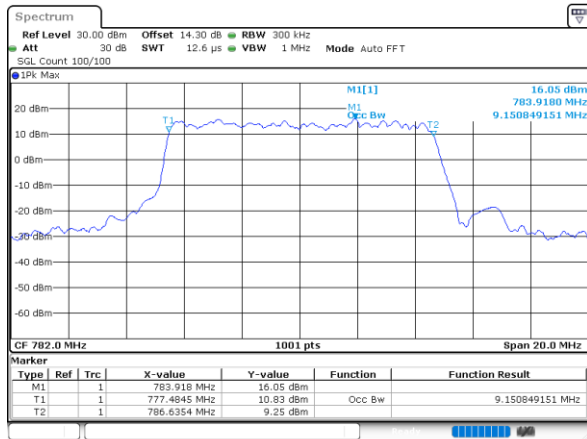
Middle Channel / 5MHz / QPSK



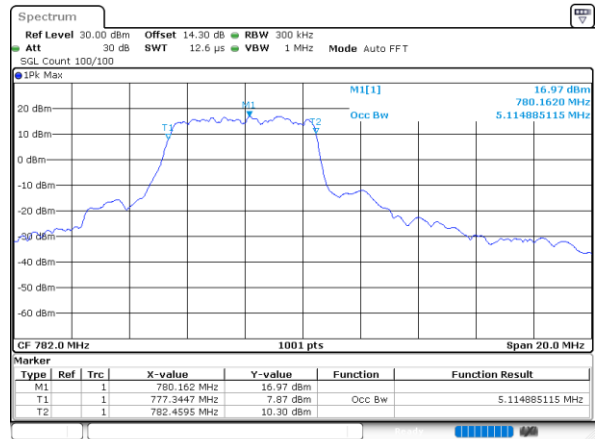
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM

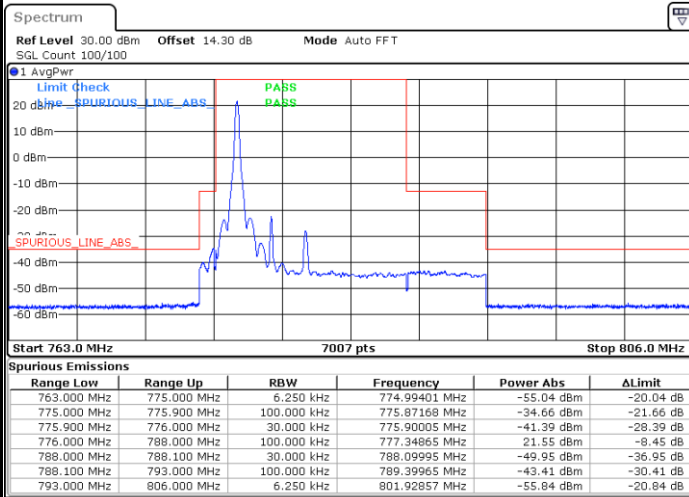




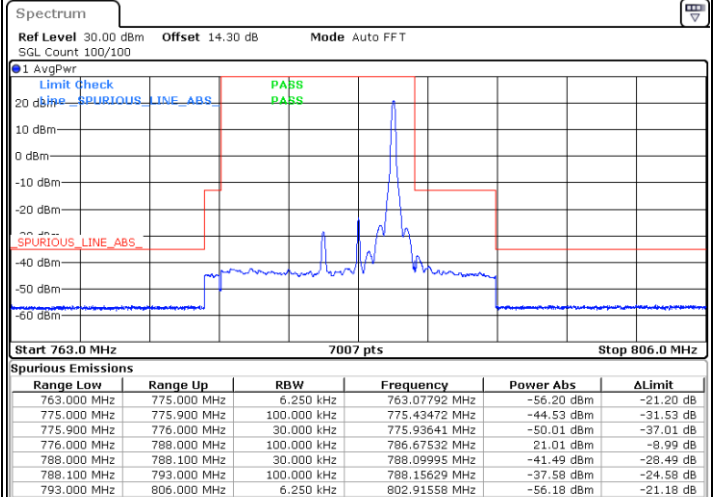
Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

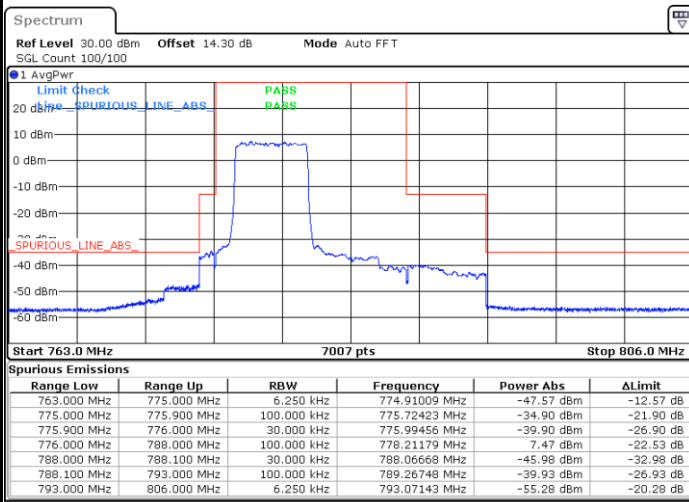
Lowest Band Edge / 1 RB



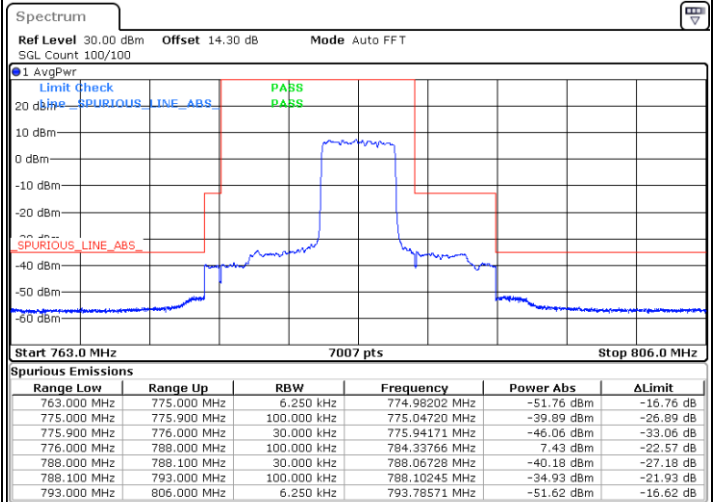
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



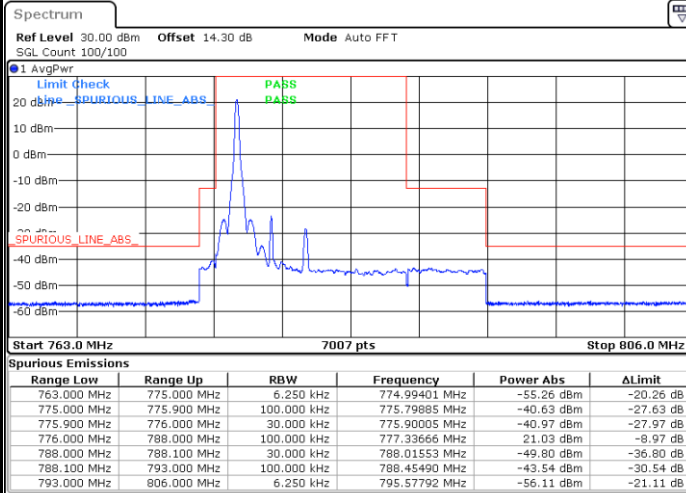
Highest Band Edge / Full RB





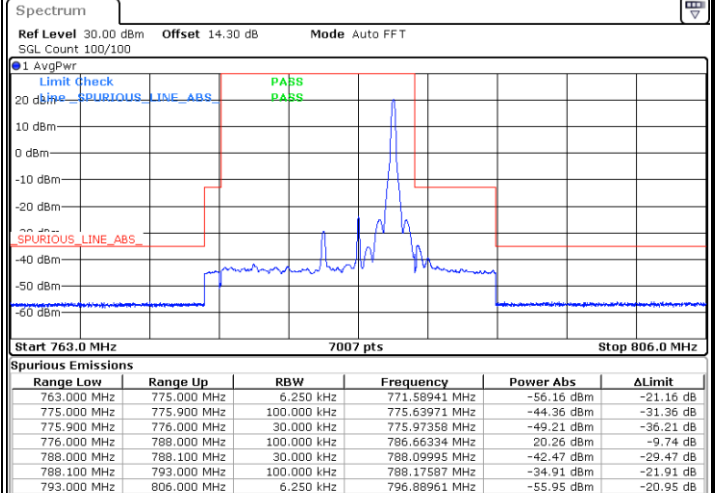
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



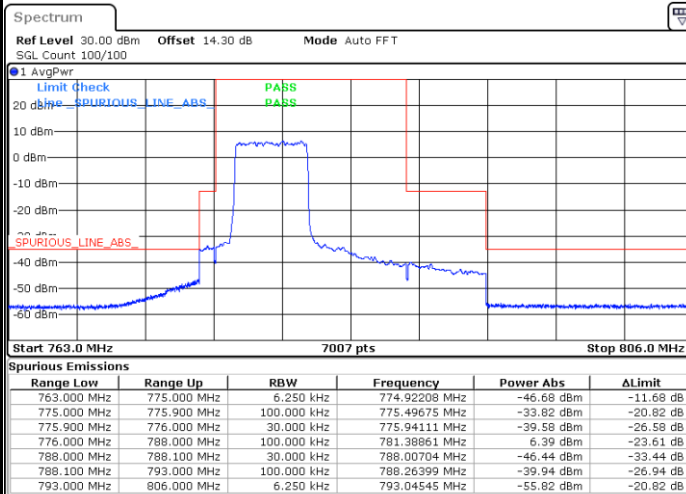
Date: 7.AUG.2026 14:17:01

Highest Band Edge / 1 RB



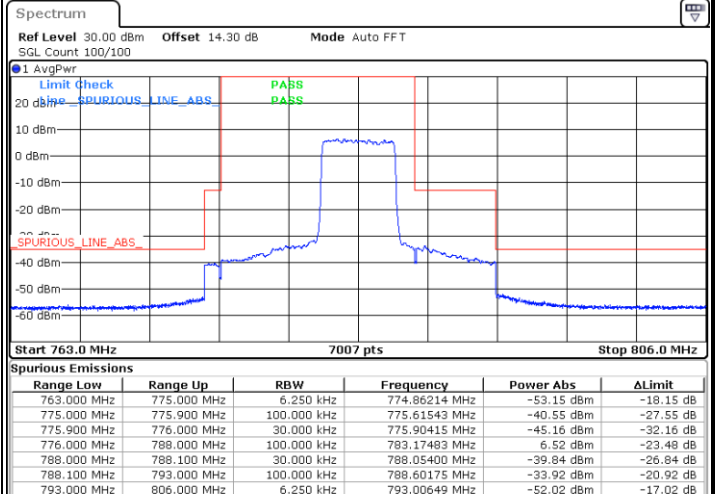
Date: 7.AUG.2026 14:23:36

Lowest Band Edge / Full RB



Date: 7.AUG.2026 14:18:28

Highest Band Edge / Full RB

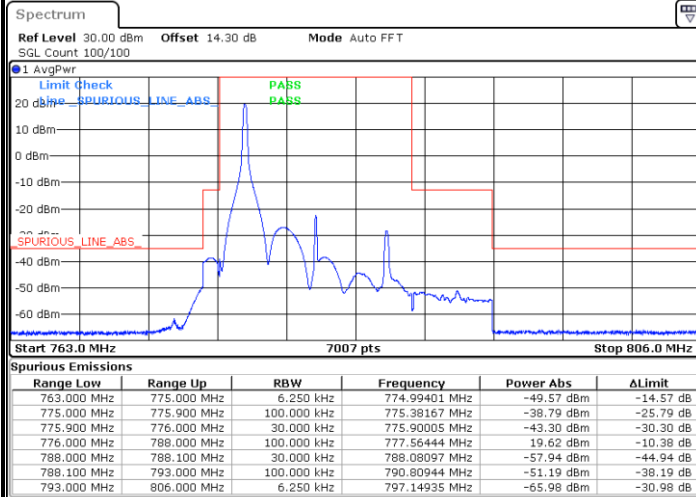


Date: 7.AUG.2026 14:25:04



LTE Band 13 / 10MHz / QPSK

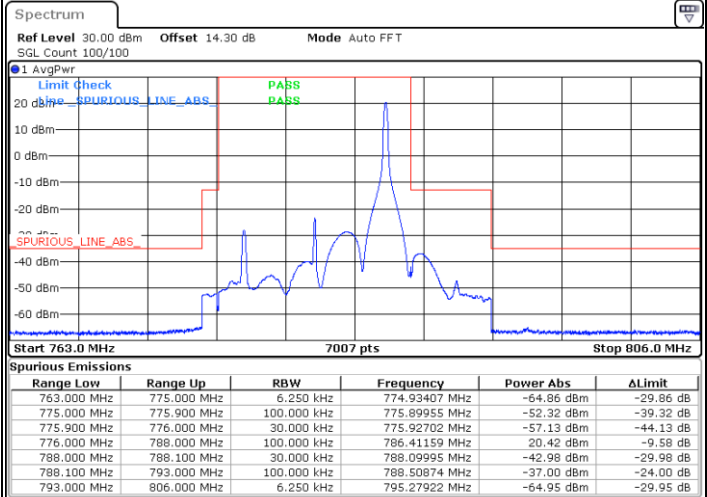
Band Edge / 1 RB



Date: 10.AUG.2026 08:44:52

LTE Band 13 / 10MHz / QPSK

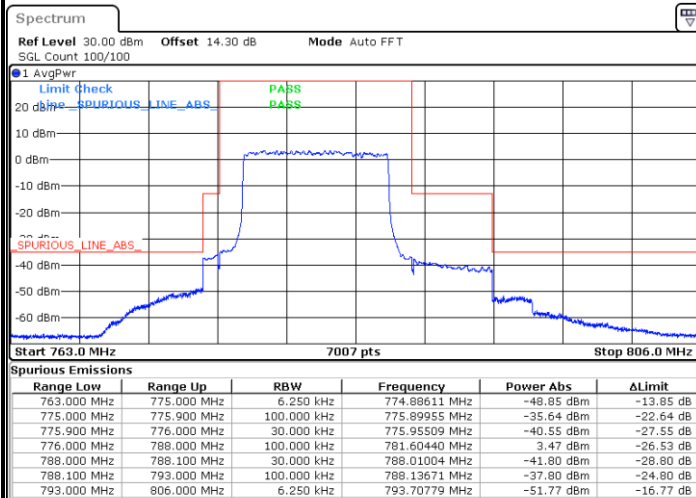
Band Edge / 1 RB



Date: 10.AUG.2026 08:46:58

LTE Band 13 / 10MHz / QPSK

Band Edge / Full RB



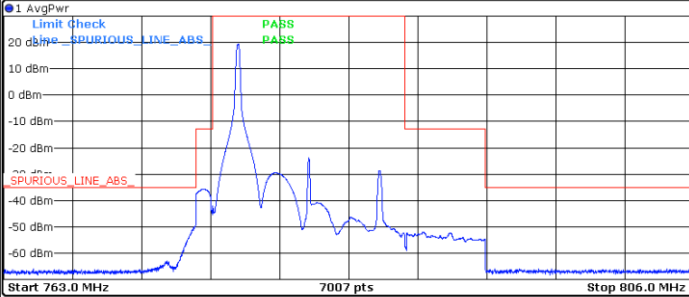
Date: 10.AUG.2026 08:49:04



LTE Band 13 / 10MHz / 16QAM

Band Edge / 1 RB

Spectrum

Ref Level 30.00 dBm Offset 14.30 dB Mode Auto FFT
SGL Count 100/100

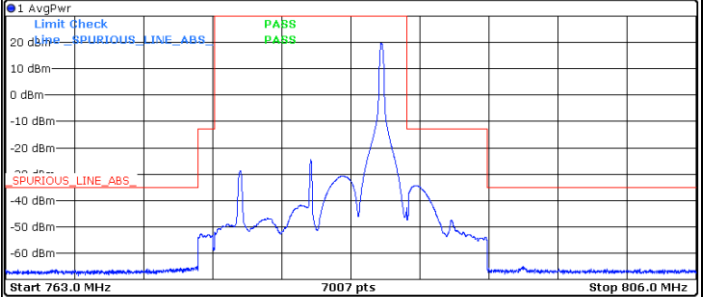
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.99401 MHz	-49.18 dBm	-14.18 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.38526 MHz	-35.70 dBm	-22.70 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90005 MHz	-43.34 dBm	-30.34 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.60040 MHz	19.33 dBm	-10.67 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00005 MHz	-57.74 dBm	-44.74 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.11573 MHz	-52.02 dBm	-39.02 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.30519 MHz	-66.13 dBm	-31.13 dB

Date: 10.AUG.2026 08:45:55

LTE Band 13 / 10MHz / 16QAM

Band Edge / 1 RB

Spectrum

Ref Level 30.00 dBm Offset 14.30 dB Mode Auto FFT
SGL Count 100/100

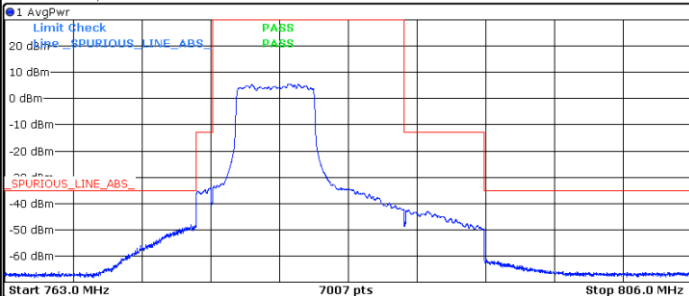
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.91009 MHz	-64.90 dBm	-29.90 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.16229 MHz	-52.56 dBm	-39.56 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99995 MHz	-57.93 dBm	-44.93 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.39960 MHz	19.68 dBm	-10.32 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09995 MHz	-45.03 dBm	-32.03 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.60664 MHz	-34.41 dBm	-21.41 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.22727 MHz	-65.12 dBm	-30.12 dB

Date: 10.AUG.2026 08:48:01

LTE Band 13 / 10MHz / 16QAM

Band Edge / Full RB

Spectrum

Ref Level 30.00 dBm Offset 14.30 dB Mode Auto FFT
SGL Count 100/100

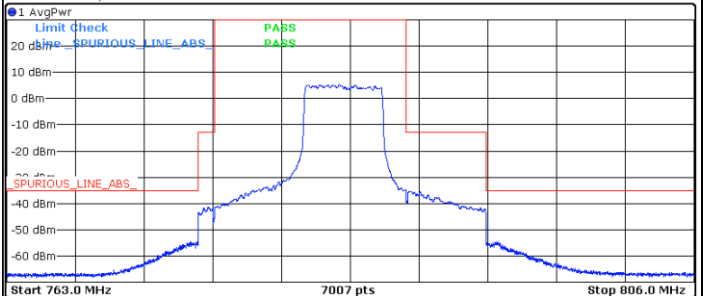
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.67033 MHz	-48.07 dBm	-13.07 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89416 MHz	-34.04 dBm	-21.04 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99416 MHz	-39.33 dBm	-26.33 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.83716 MHz	5.49 dBm	-24.51 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05809 MHz	-46.94 dBm	-33.94 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.25420 MHz	-42.55 dBm	-29.55 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.11039 MHz	-61.25 dBm	-26.25 dB

Date: 10.AUG.2026 09:18:56

LTE Band 13 / 10MHz / 16QAM-1

Band Edge / Full RB

Spectrum

Ref Level 30.00 dBm Offset 14.30 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	774.53846 MHz	-54.62 dBm	-19.62 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.62173 MHz	-41.43 dBm	-28.43 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99995 MHz	-45.35 dBm	-32.35 dB
776.000 MHz	788.000 MHz	100.000 kHz	783.78621 MHz	5.42 dBm	-24.58 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03352 MHz	-39.07 dBm	-26.07 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.28357 MHz	-35.30 dBm	-22.30 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.66883 MHz	-54.63 dBm	-19.63 dB

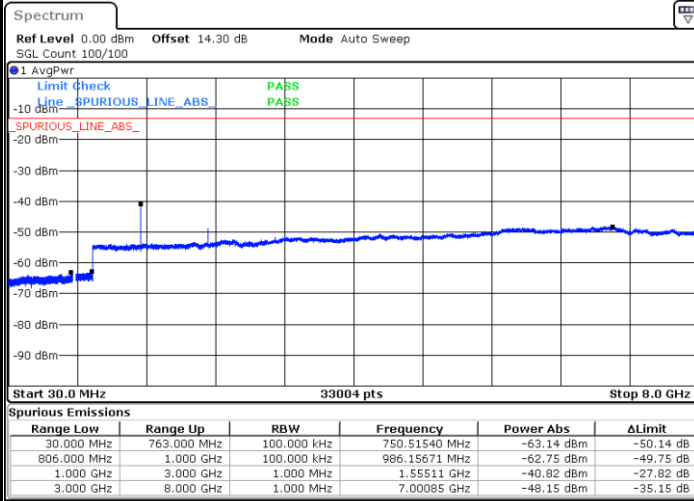
Date: 10.AUG.2026 09:19:20



Conducted Spurious Emission

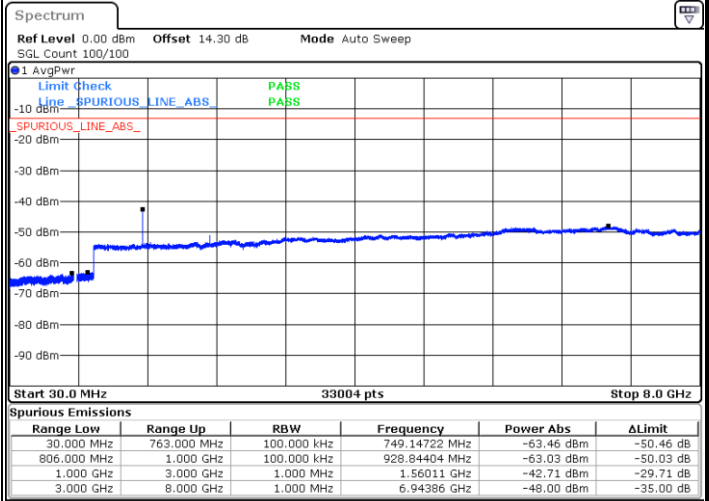
LTE Band 13 / 5MHz

Lowest Channel / QPSK



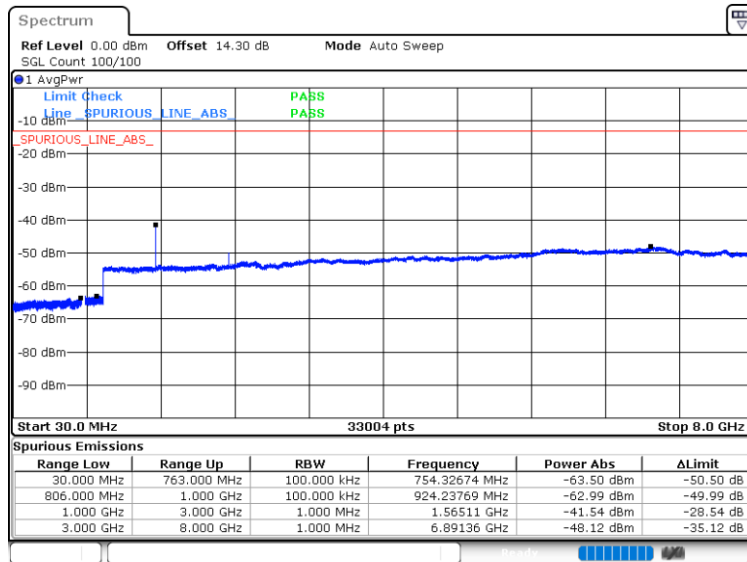
Date: 7.AUG.2026 14:19:37

Middle Channel / QPSK



Date: 7.AUG.2026 14:20:44

Highest Channel / QPSK

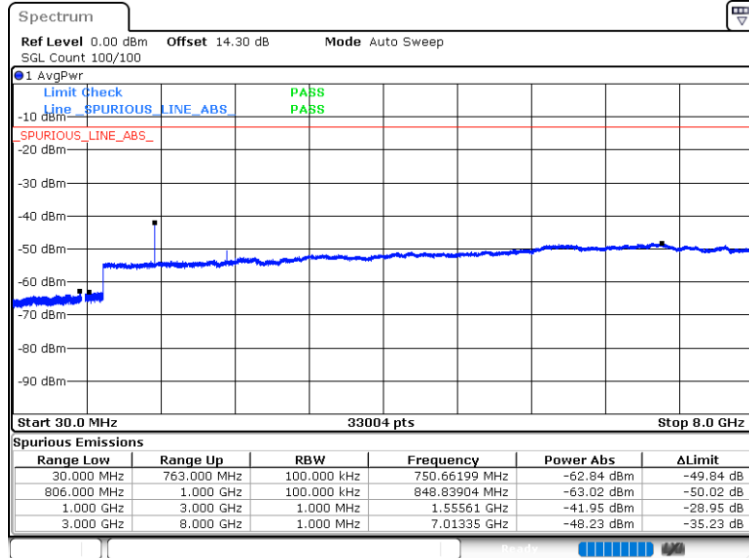


Date: 7.AUG.2026 14:26:12



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 10.AUG.2026 08:50:06

Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Note 2.
		Frequency Offset (Δf) (Hz)	Result
50	Normal Voltage	1.4	PASS
40	Normal Voltage	2.5	
30	Normal Voltage	1.7	
20(Ref.)	Normal Voltage	2	
10	Normal Voltage	1.6	
0	Normal Voltage	3.3	
-10	Normal Voltage	1.9	
-20	Normal Voltage	2.4	
-30	Normal Voltage	1.8	
20	Maximum Voltage	2.8	
20	Normal Voltage	2	
20	Minimum Voltage	2.9	

Note:

1. Normal Voltage =3.8 V. ; Minimum Voltage =3.3 V. ; Maximum Voltage =4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

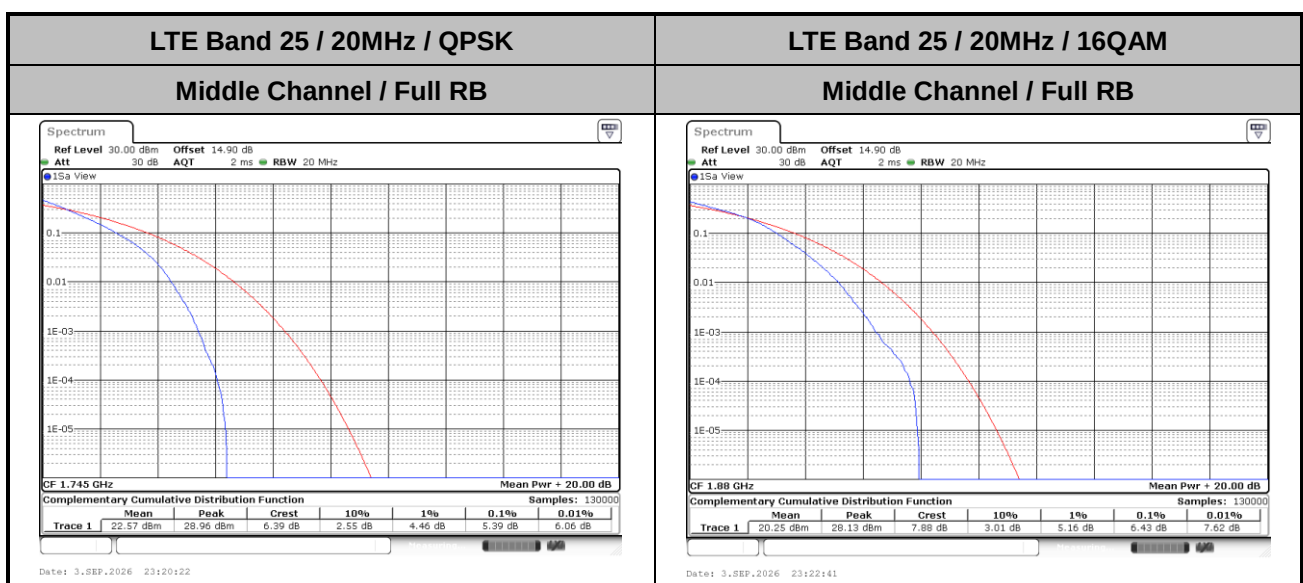
$$|MAX(\Delta f)| = 3.3\text{Hz}$$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - MAX(\Delta f) $	777.2522467	$\geq 777 \text{ MHz}$	PASS
$f_H + MAX(\Delta f) $	786.7477533	$\leq 787 \text{ MHz}$	

LTE Band 25

Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	5.39	6.43	PASS





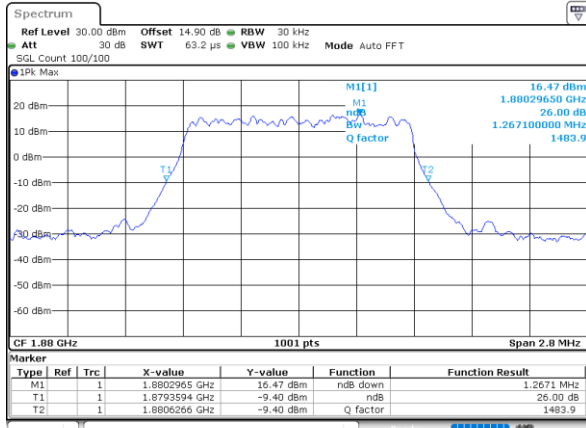
26dB Bandwidth

Mode	LTE Band 25 : 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	1.29	3.00	3.04	5.02	4.93	10.25	5.95	14.45	5.69	19.30	6.91



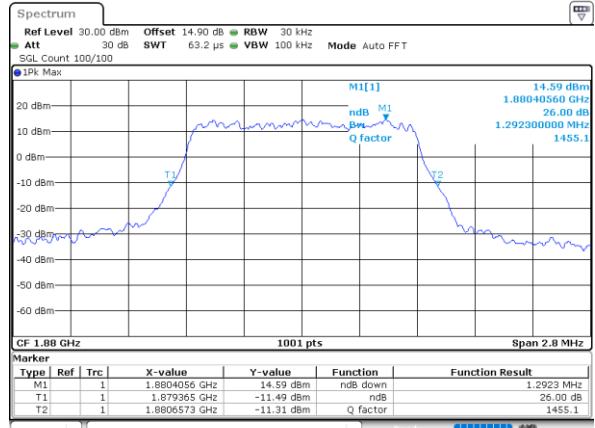
LTE Band 25

Middle Channel / 1.4MHz / QPSK



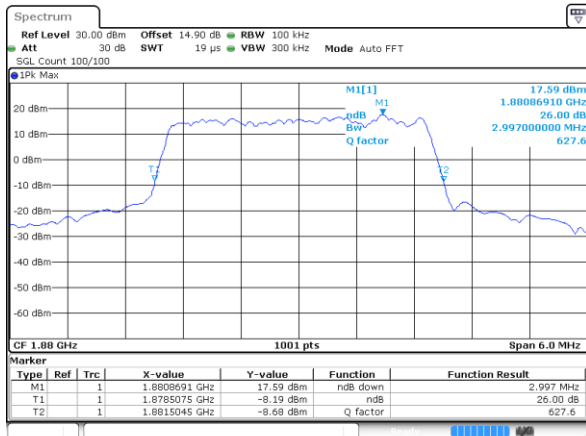
Date: 3,SEP,2026 22:33:21

Middle Channel / 1.4MHz / 16QAM



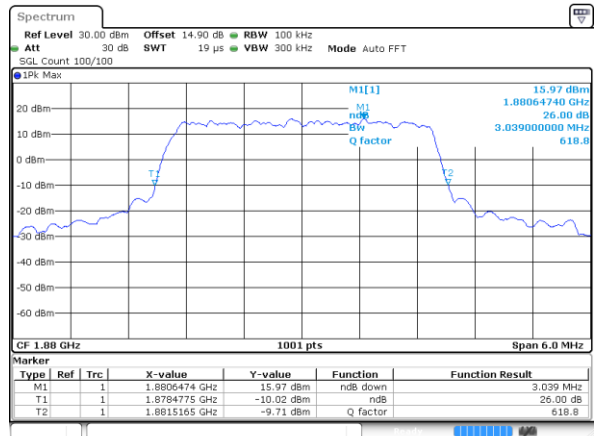
Date: 3,SEP,2026 22:34:02

Middle Channel / 3MHz / QPSK



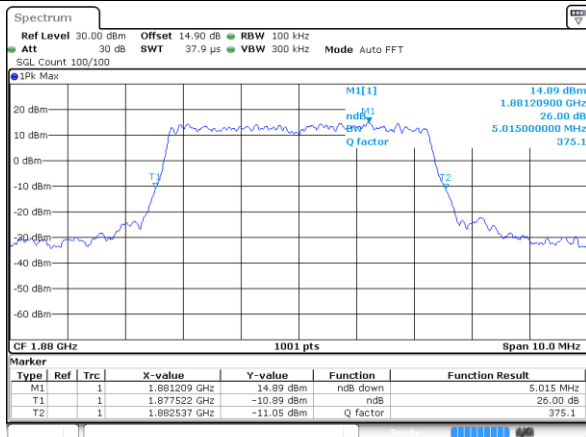
Date: 4 SEP 2026 08:41:49

Middle Channel / 3MHz / 16QAM



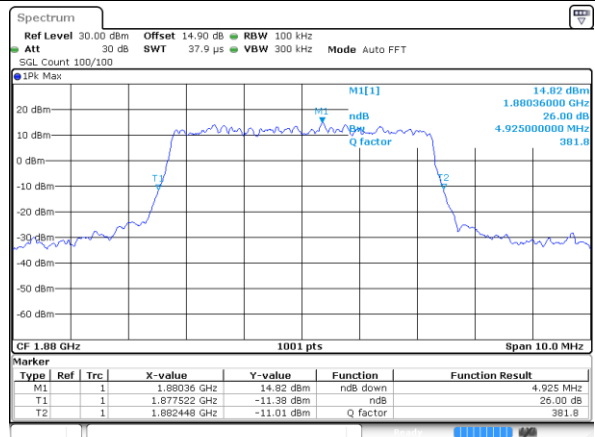
Date: 4 SEP 2026 08:42:30

Middle Channel / 5MHz / QPSK



Date: 4 SEP 2026 08:51:17

Middle Channel / 5MHz / 16QAM

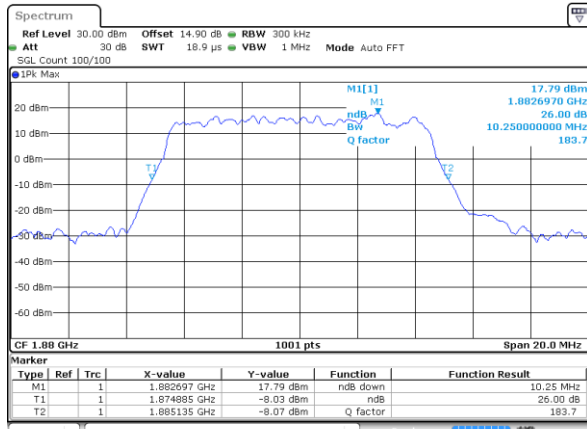


Date: 4 SEP 2026 08:51:57



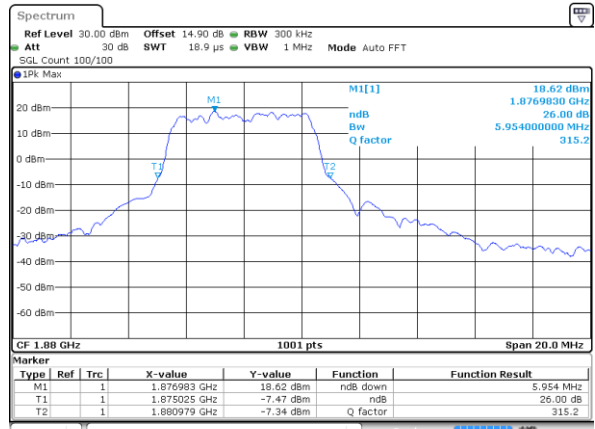
LTE Band 25

Middle Channel / 10MHz / QPSK



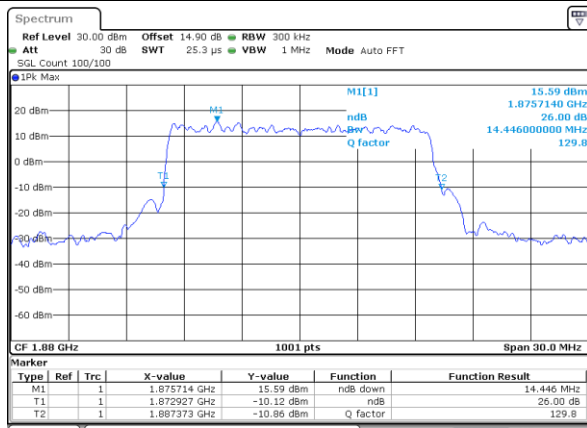
Date: 4 SEP 2026 10:10:47

Middle Channel / 10MHz / 16QAM



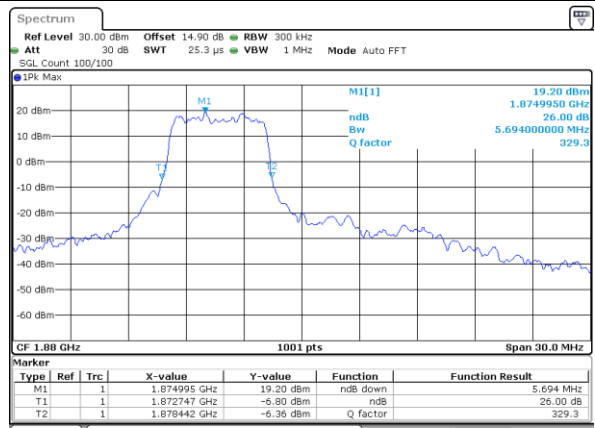
Date: 4 SEP 2026 10:11:16

Middle Channel / 15MHz / QPSK



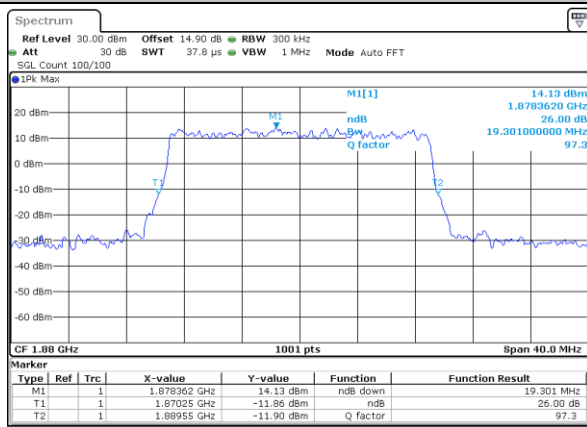
Date: 4 SEP 2026 09:07:53

Middle Channel / 15MHz / 16QAM



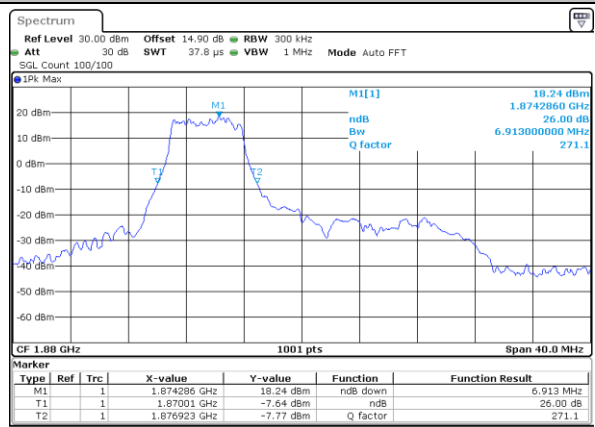
Date: 4 SEP 2026 09:39:02

Middle Channel / 20MHz / QPSK



Date: 4 SEP 2026 09:15:34

Middle Channel / 20MHz / 16QAM



Date: 4 SEP 2026 09:36:31



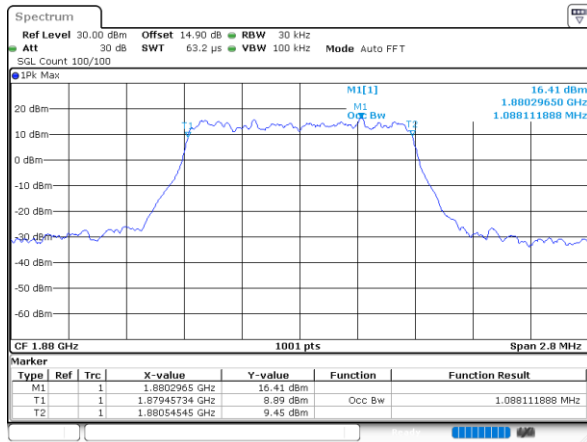
Occupied Bandwidth

Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.10	2.73	2.71	4.50	4.50	9.03	5.05	13.46	5.03	17.86	5.07

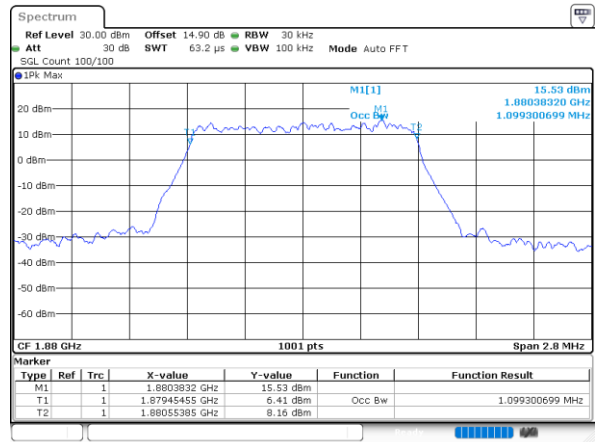


LTE Band 25

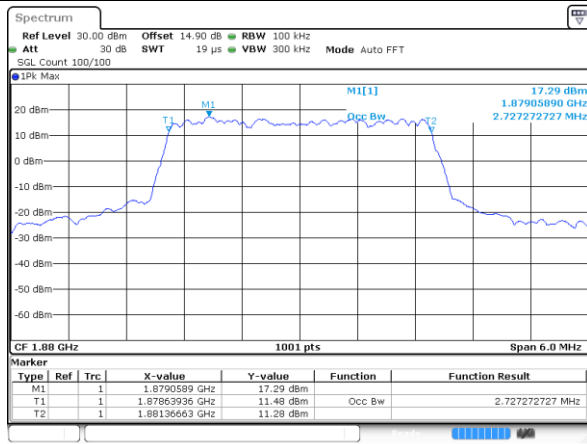
Middle Channel / 1.4MHz / QPSK



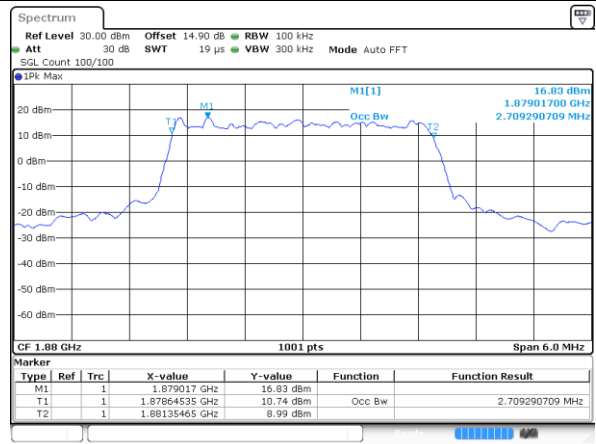
Middle Channel / 1.4MHz / 16QAM



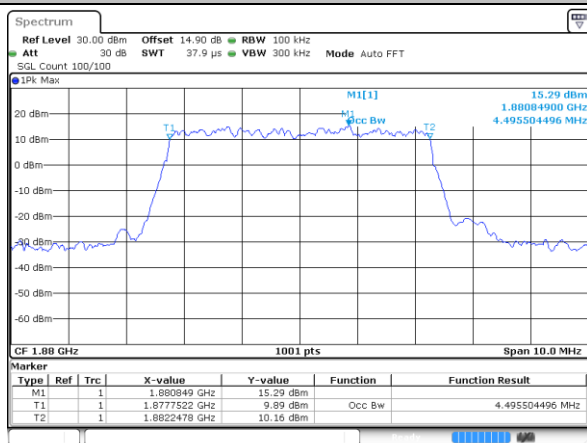
Middle Channel / 3MHz / QPSK



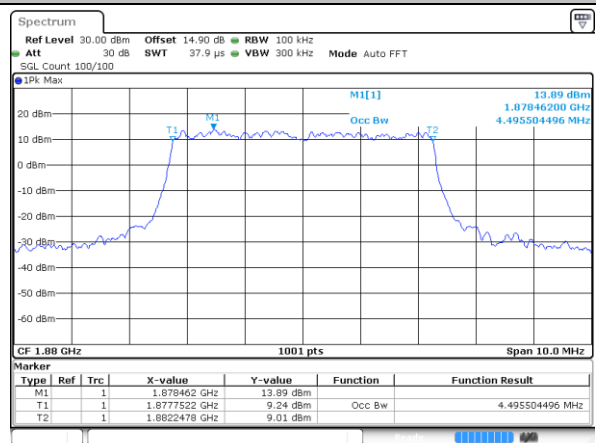
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



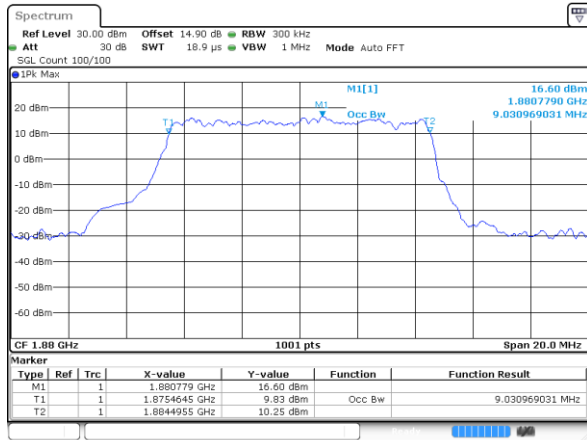
Middle Channel / 5MHz / 16QAM



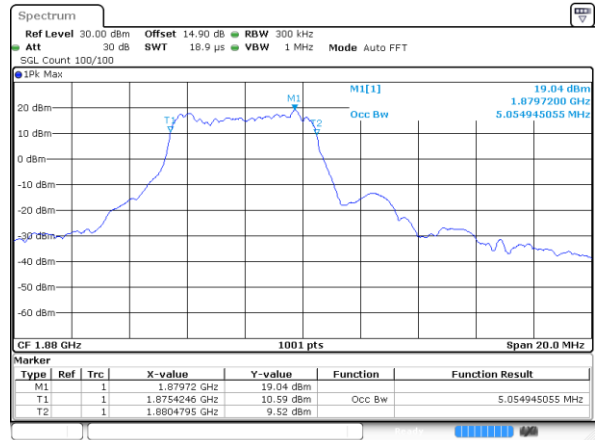


LTE Band 25

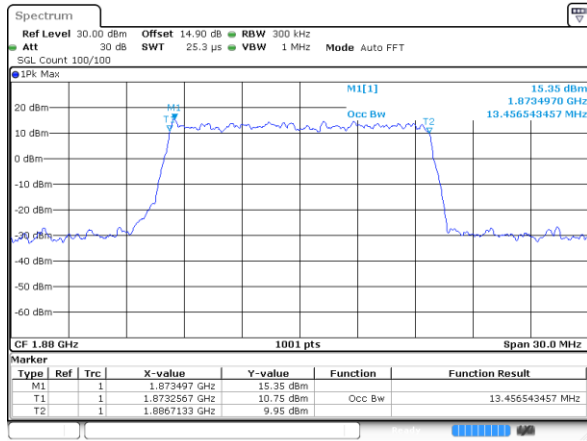
Middle Channel / 10MHz / QPSK



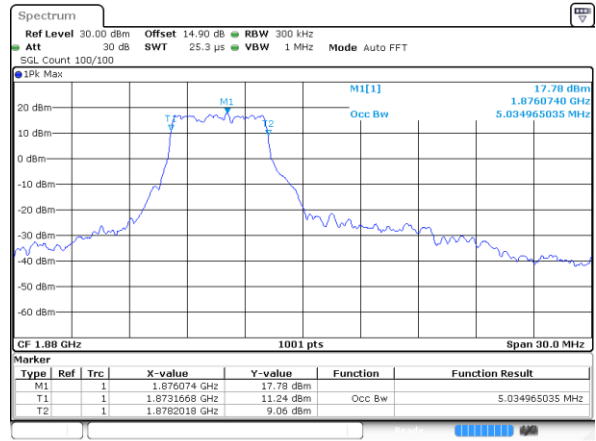
Middle Channel / 10MHz / 16QAM



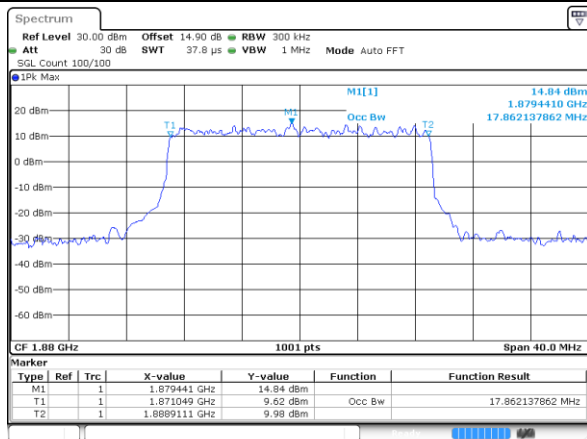
Middle Channel / 15MHz / QPSK



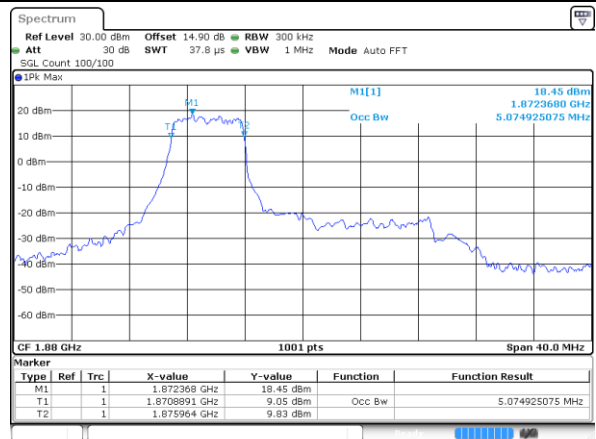
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

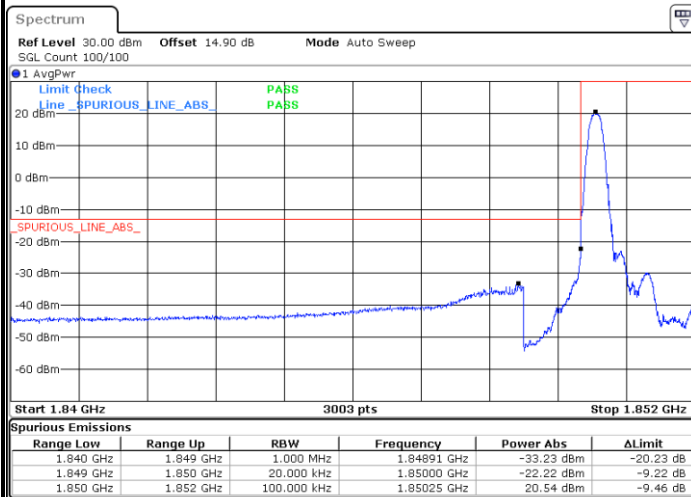




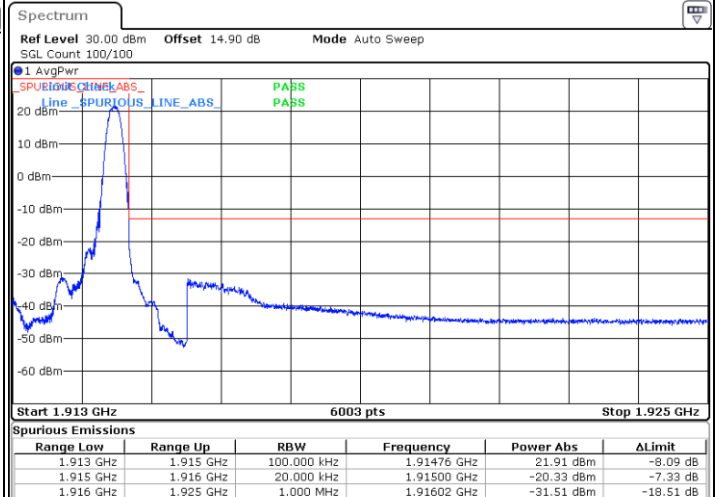
Conducted Band Edge

LTE Band 25 / 1.4MHz / QPSK

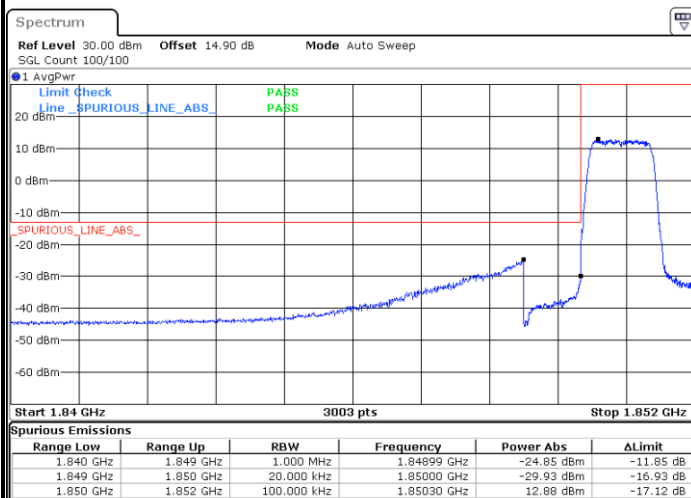
Lowest Band Edge / 1RB



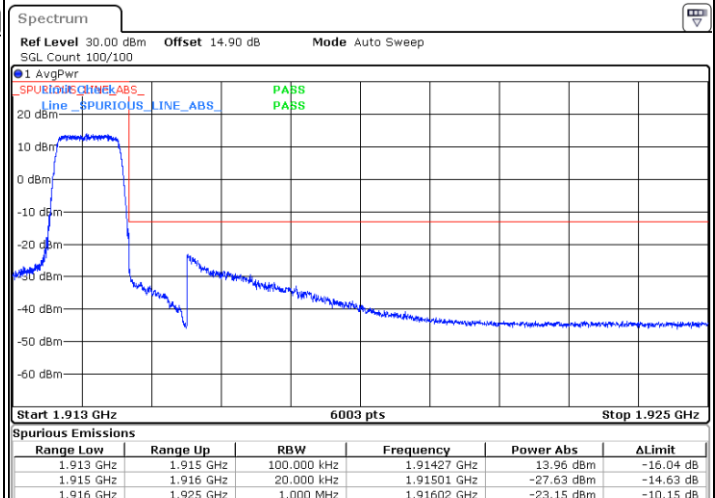
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



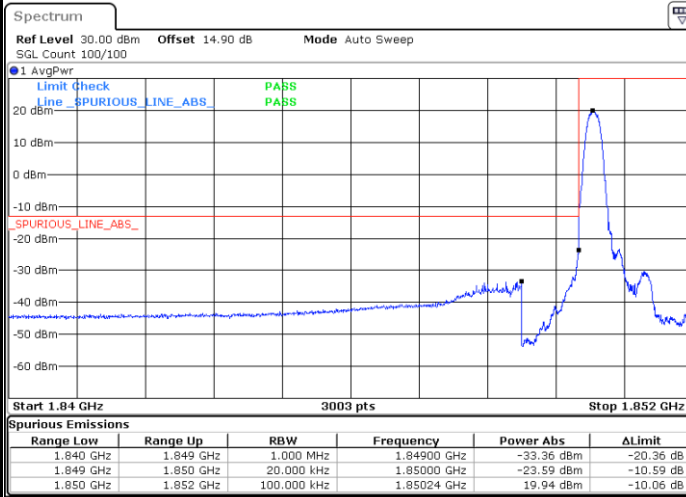
Highest Band Edge / Full RB



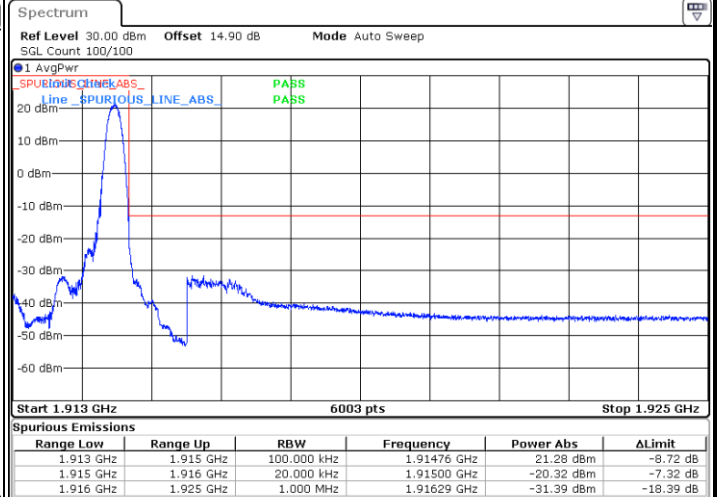


LTE Band 25 / 1.4MHz / 16QAM

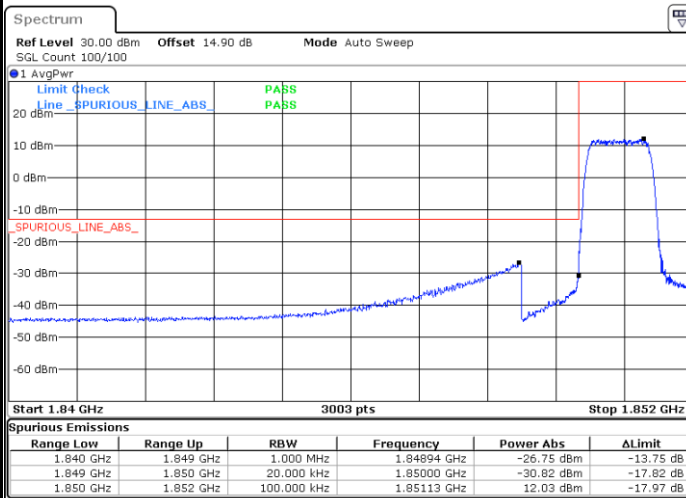
Lowest Band Edge / 1 RB



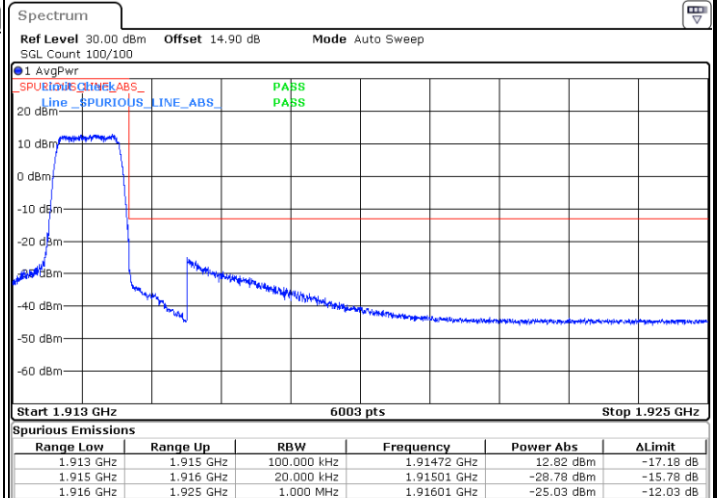
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



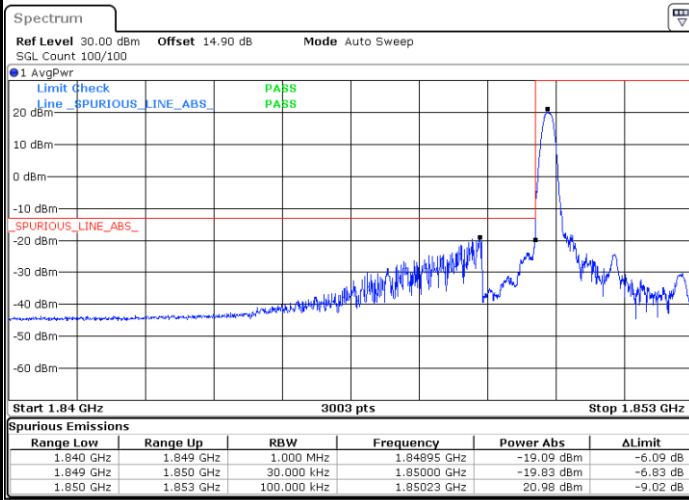
Highest Band Edge / Full RB



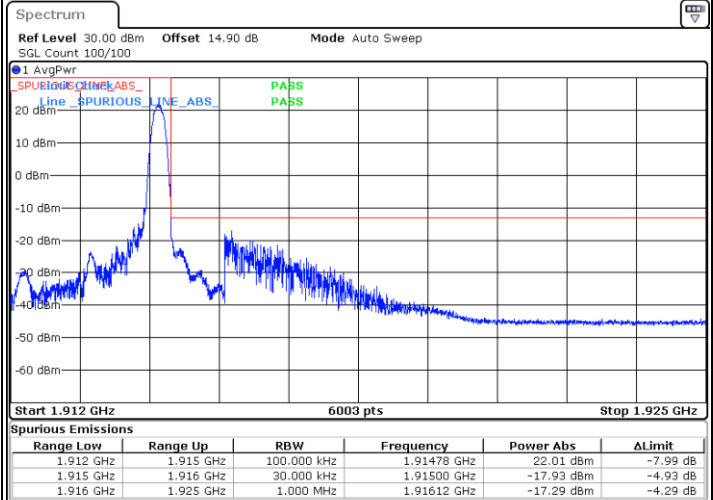


LTE Band 25 / 3MHz / QPSK

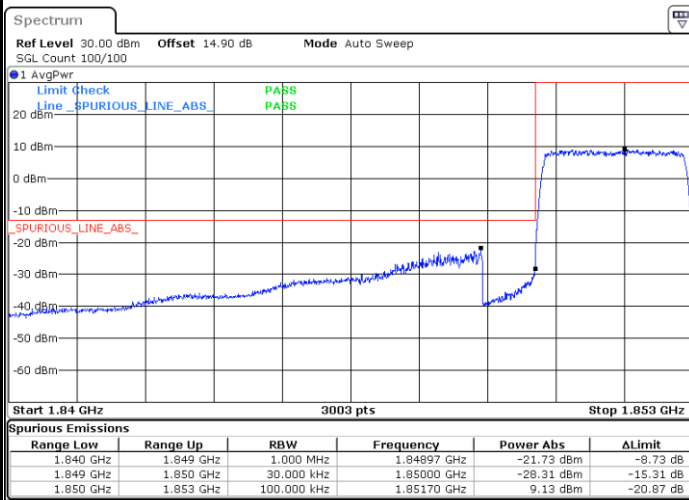
Lowest Band Edge / 1RB



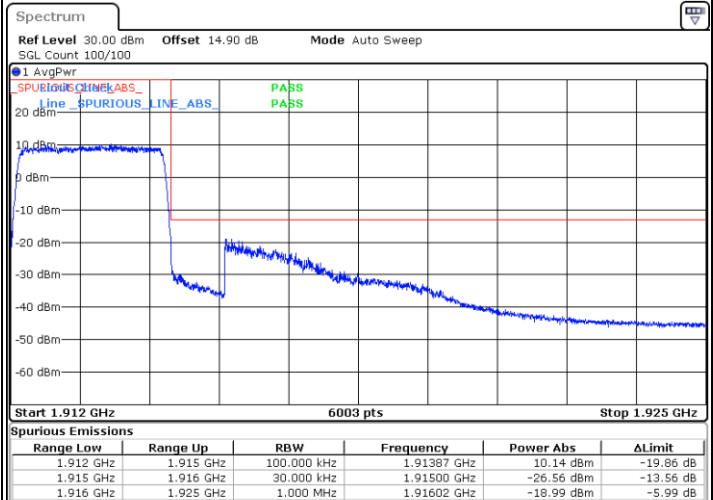
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



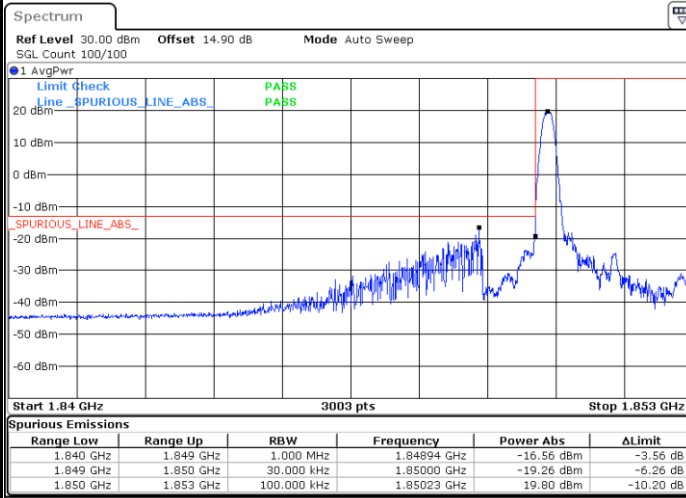
Highest Band Edge / Full RB





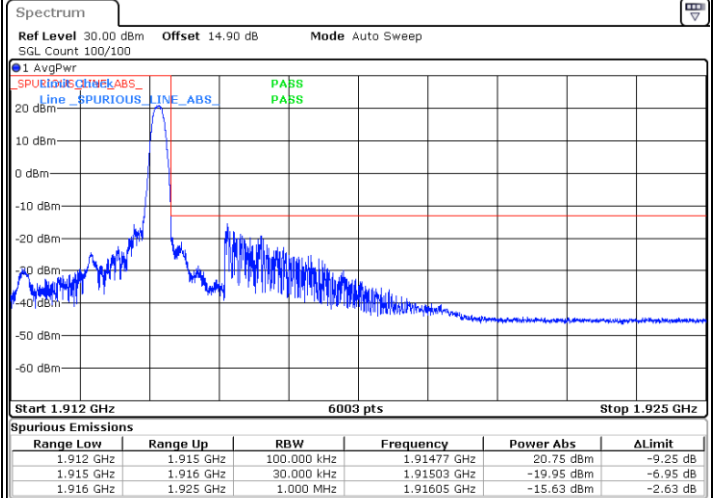
LTE Band 25 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



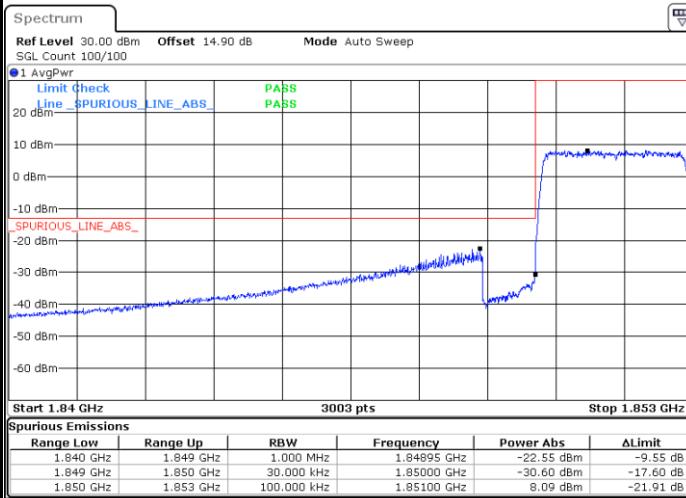
Date: 3.SEP.2026 22:42:24

Highest Band Edge / 1 RB



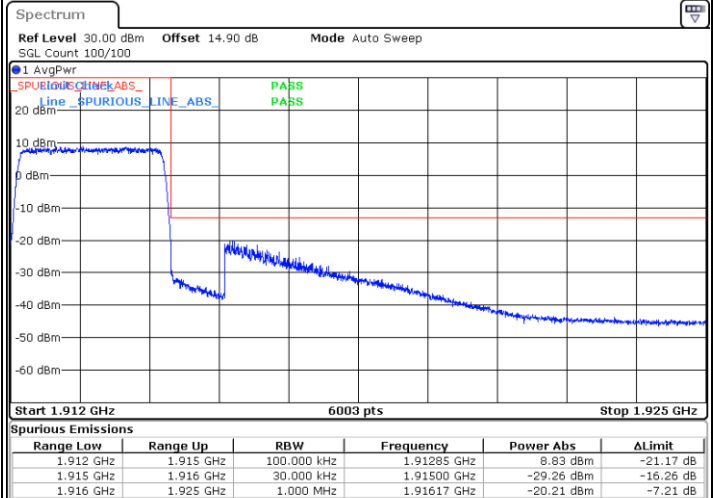
Date: 4 SEP 2026 08:43:35

Lowest Band Edge / Full RB



Date: 3.SEP.2026 22:56:57

Highest Band Edge / Full RB



Date: 4 SEP 2026 08:44:08