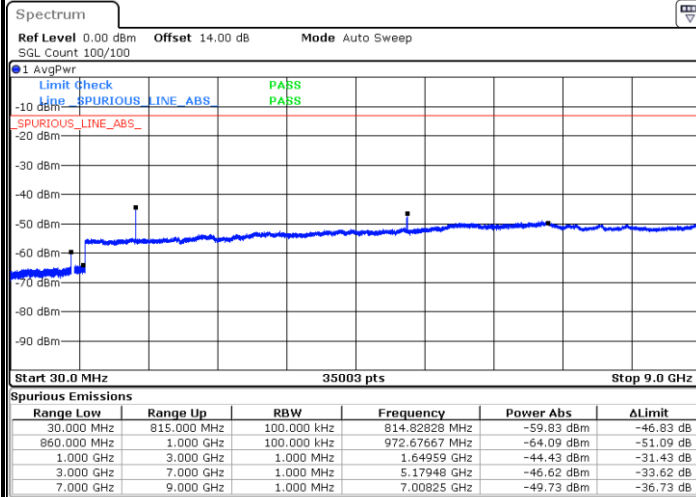




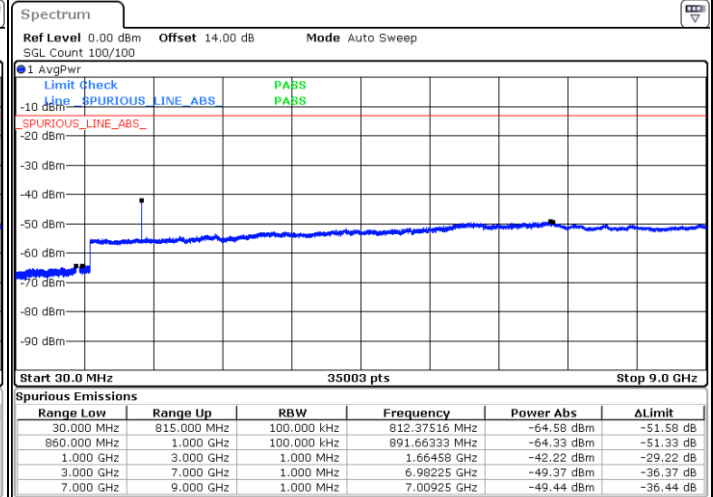
LTE Band 5 / 10MHz

Lowest Channel / QPSK



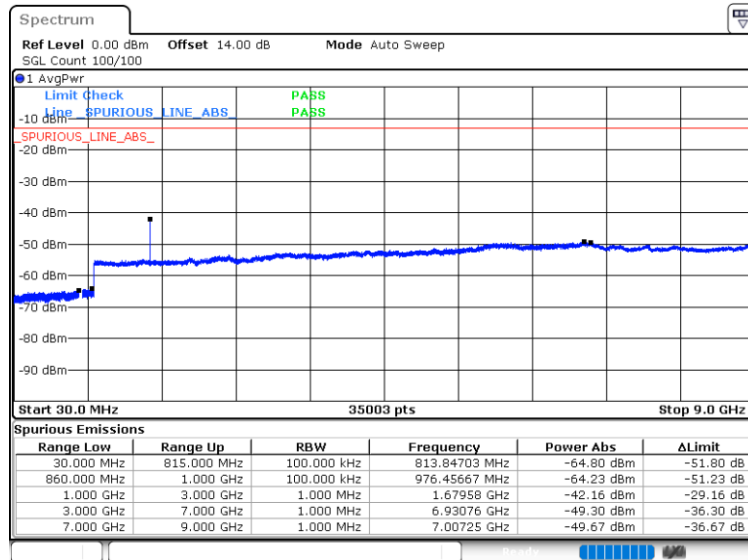
Date: 22.JUL.2025 04:27:36

Middle Channel / QPSK



Date: 22.JUL.2025 04:28:35

Highest Channel / QPSK



Date: 22.JUL.2025 04:38:03

Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	≤2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0054	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0051	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0006	

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.



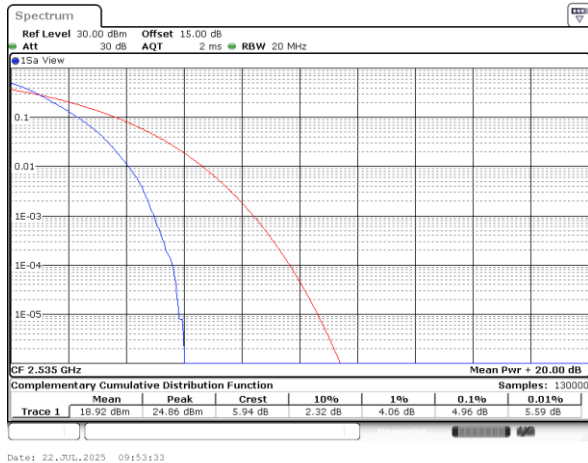
LTE Band 7

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.96	5.94	6.09	PASS

LTE Band 7 / 20MHz / QPSK

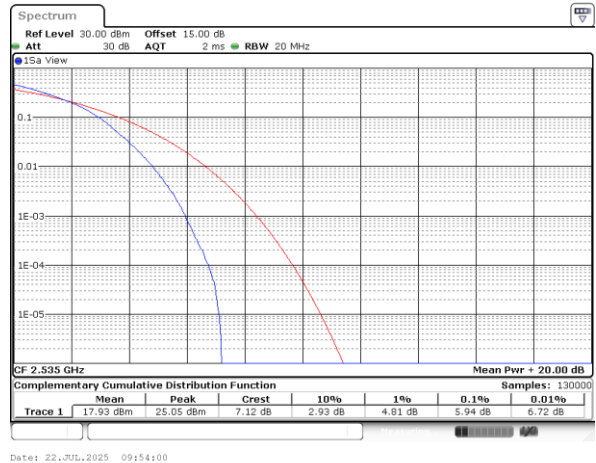
Middle Channel / Full RB



Date: 22.JUL.2025 09:53:33

LTE Band 7 / 20MHz / 16QAM

Middle Channel / Full RB



Date: 22.JUL.2025 09:54:00

LTE Band 7 / 20MHz / 64QAM

Middle Channel / Full RB



Date: 22.JUL.2025 09:54:27



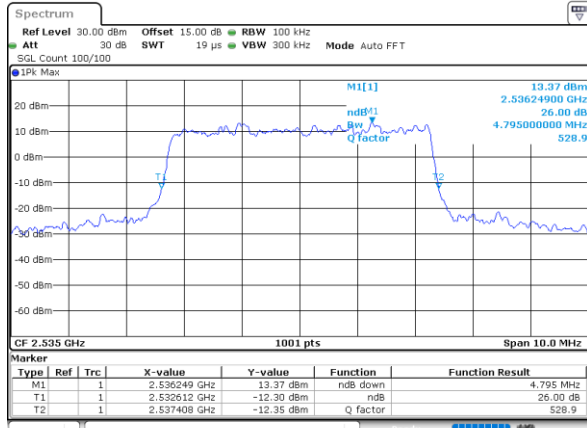
26dB Bandwidth

Mode	LTE Band 7 : 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	-	-	-	-	4.80	4.83	9.87	9.67	14.63	14.48	19.14	19.02



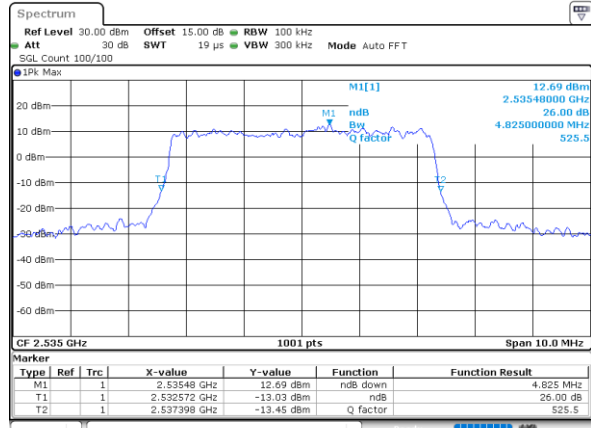
LTE Band 7

Middle Channel / 5MHz / QPSK



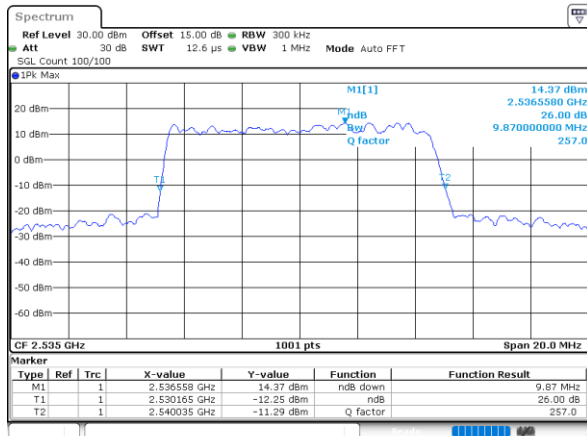
Date: 22.JUL.2025 09:13:44

Middle Channel / 5MHz / 16QAM



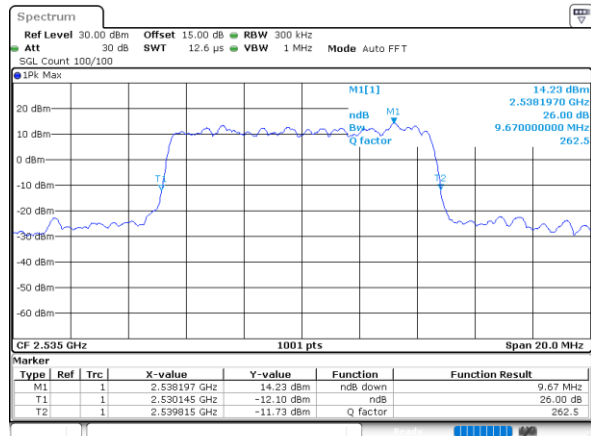
Date: 22.JUL.2025 09:14:24

Middle Channel / 10MHz / QPSK



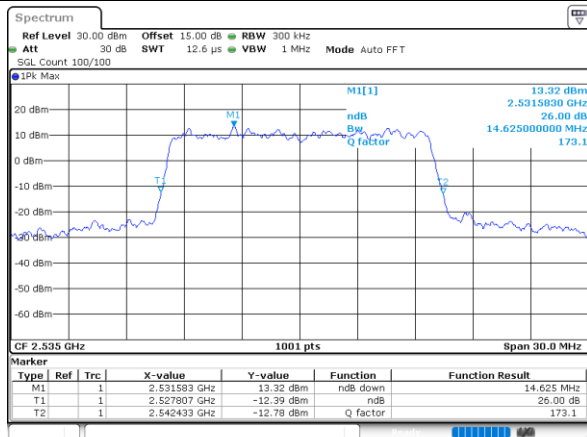
Date: 22.JUL.2025 09:26:33

Middle Channel / 10MHz / 16QAM



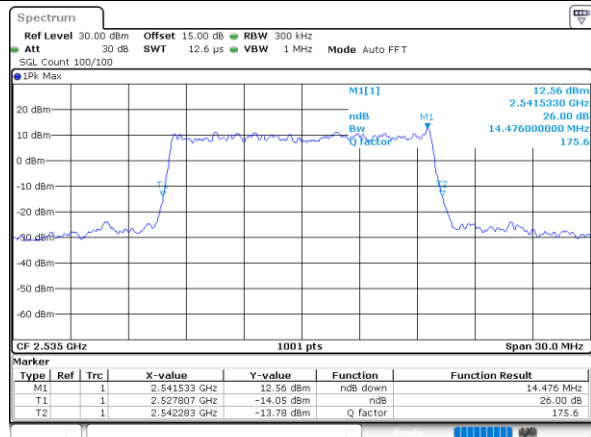
Date: 22.JUL.2025 09:27:13

Middle Channel / 15MHz / QPSK



Date: 22.JUL.2025 09:40:02

Middle Channel / 15MHz / 16QAM

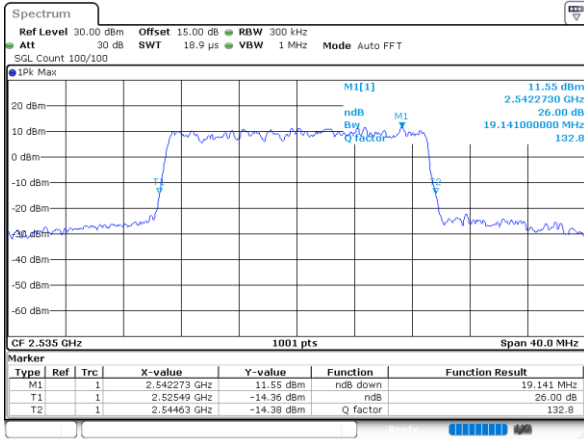


Date: 22.JUL.2025 09:40:42



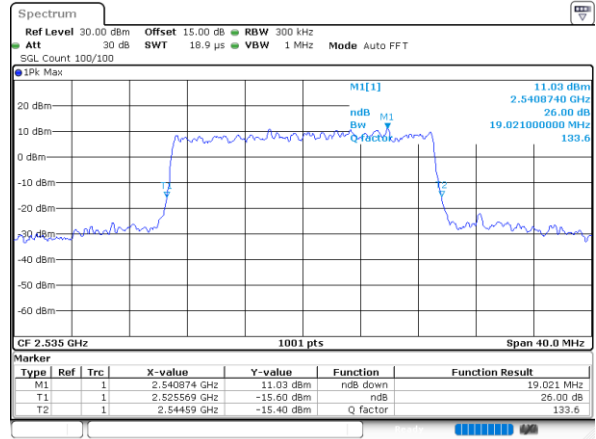
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 22.JUL.2025 09:52:27

Middle Channel / 20MHz / 16QAM



Date: 22.JUL.2025 09:53:06



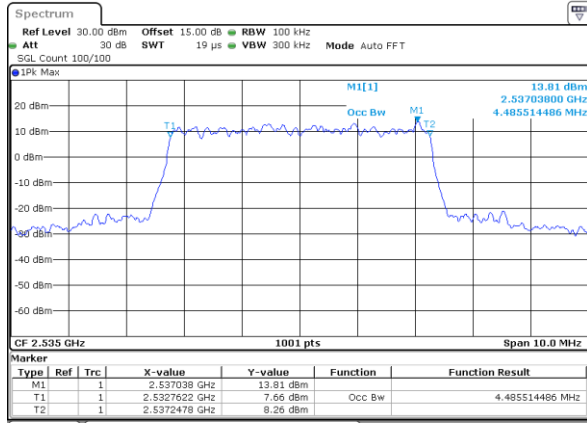
Occupied Bandwidth

Mode	LTE Band 7 : 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	-	-	-	-	4.49	4.51	9.01	9.07	13.40	13.46	17.94	17.90



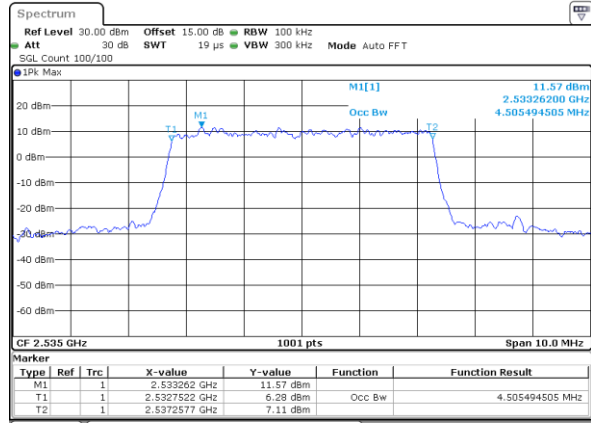
LTE Band 7

Middle Channel / 5MHz / QPSK



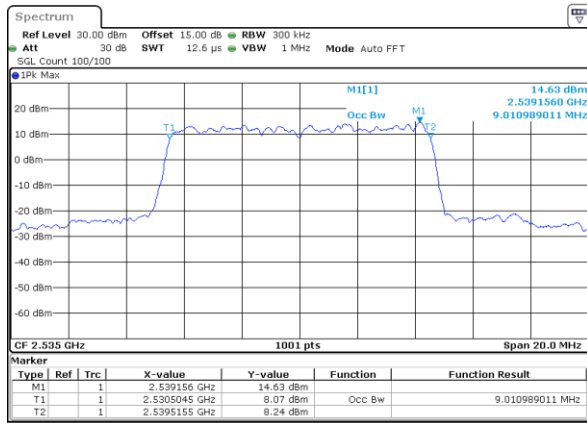
Date: 22.JUL.2025 09:13:10

Middle Channel / 5MHz / 16QAM



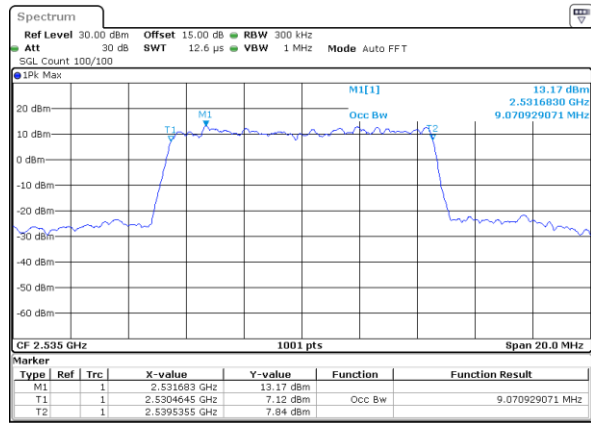
Date: 22.JUL.2025 09:14:10

Middle Channel / 10MHz / QPSK



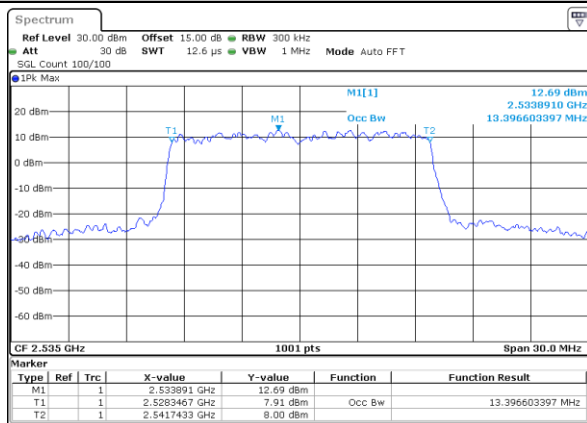
Date: 22.JUL.2025 09:26:19

Middle Channel / 10MHz / 16QAM



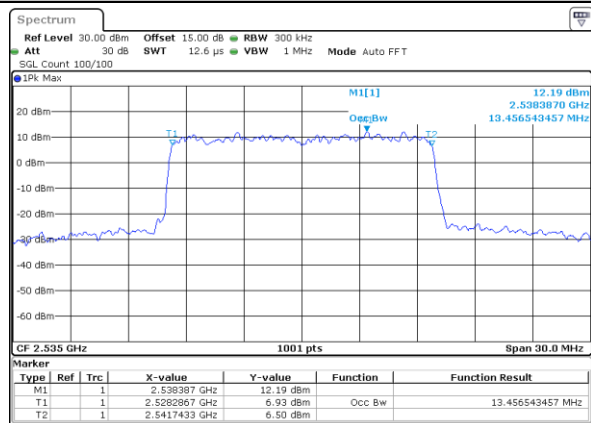
Date: 22.JUL.2025 09:26:59

Middle Channel / 15MHz / QPSK



Date: 22.JUL.2025 09:39:48

Middle Channel / 15MHz / 16QAM

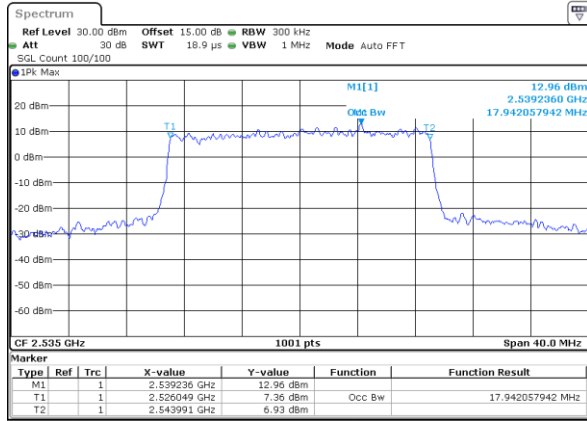


Date: 22.JUL.2025 09:40:28



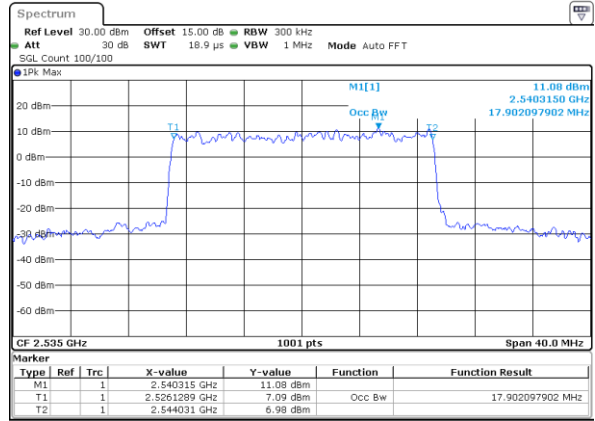
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 22.JUL.2025 09:52:13

Middle Channel / 20MHz / 16QAM



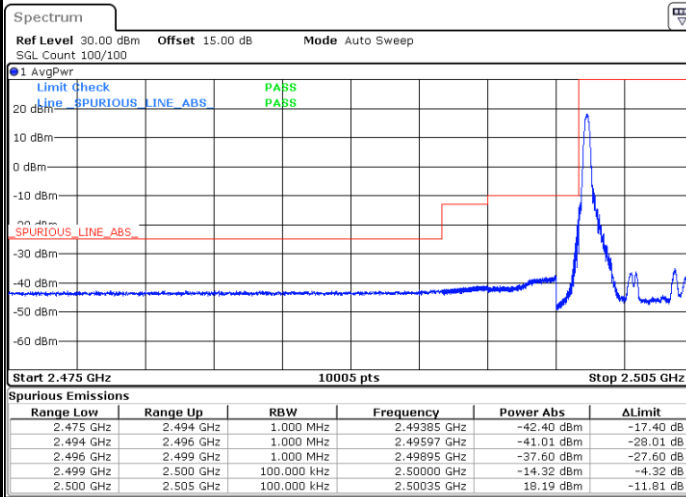
Date: 22.JUL.2025 09:52:52



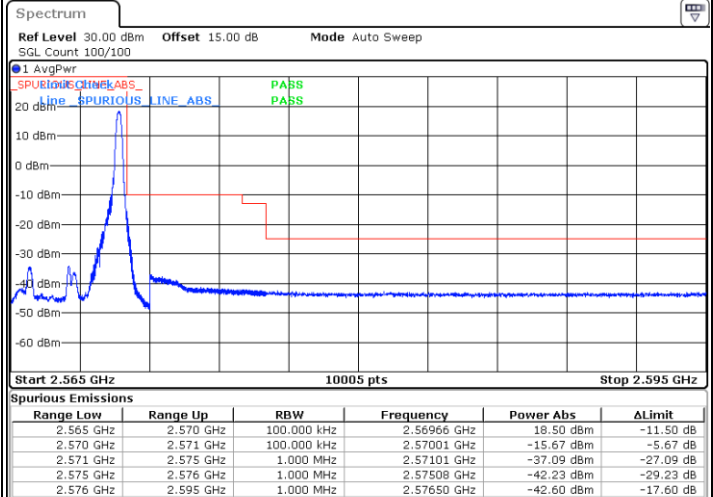
Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

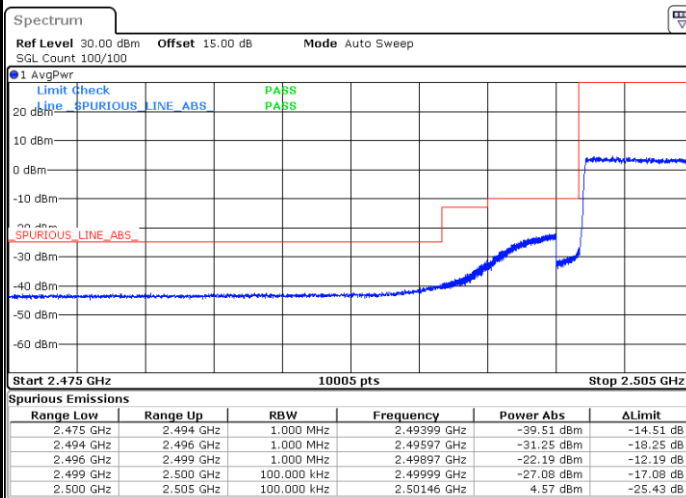
Lowest Band Edge / 1 RB



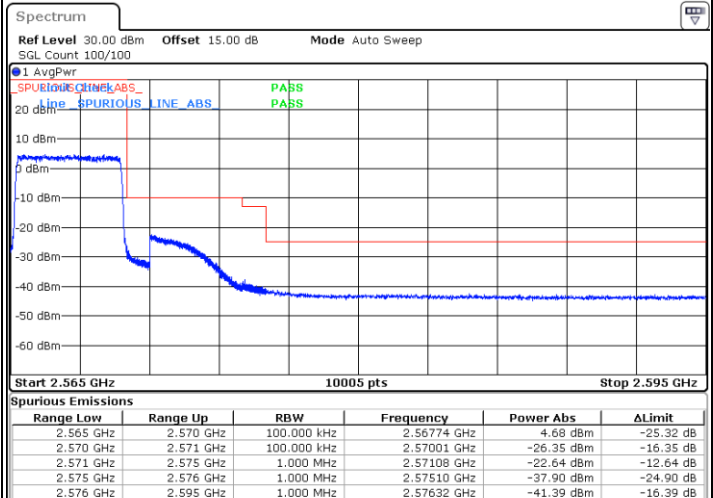
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



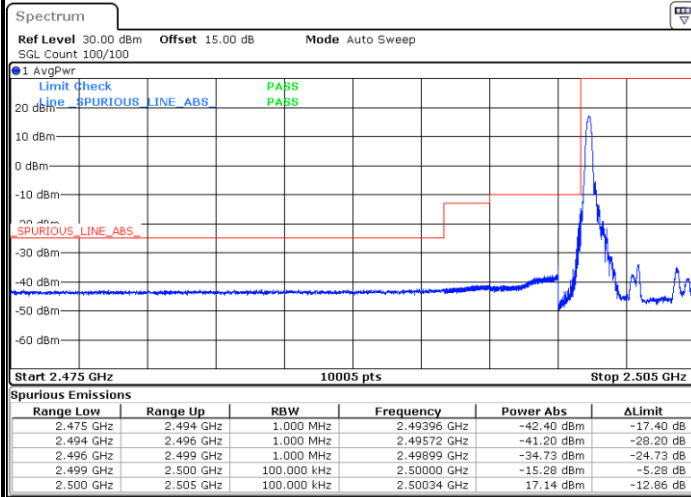
Highest Band Edge / Full RB



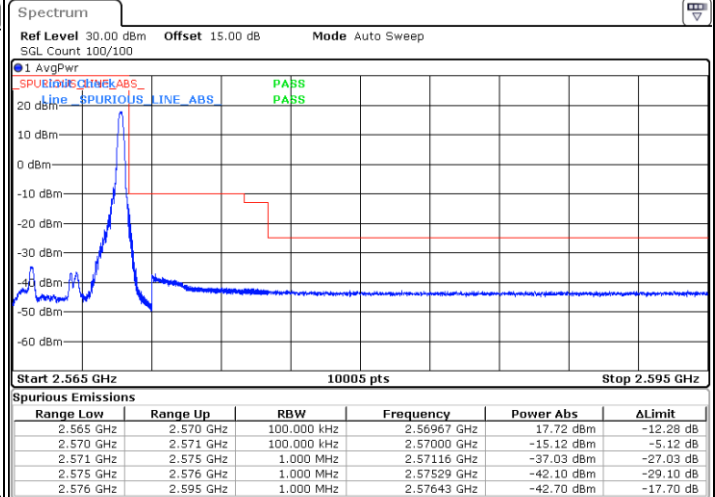


LTE Band 7 / 5MHz / 16QAM

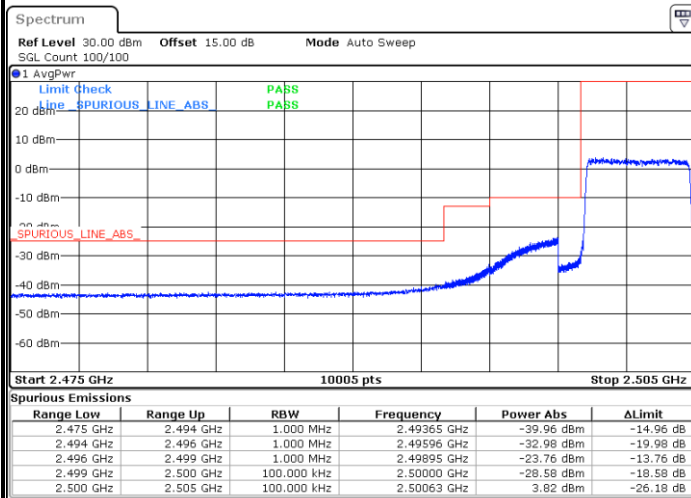
Lowest Band Edge / 1RB



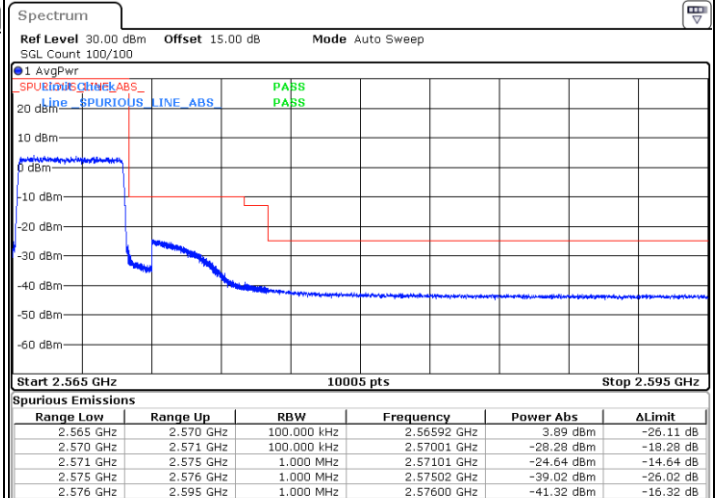
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



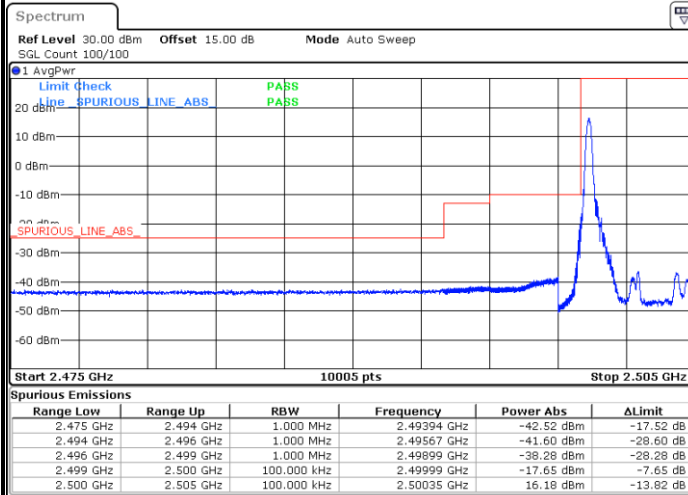
Highest Band Edge / Full RB



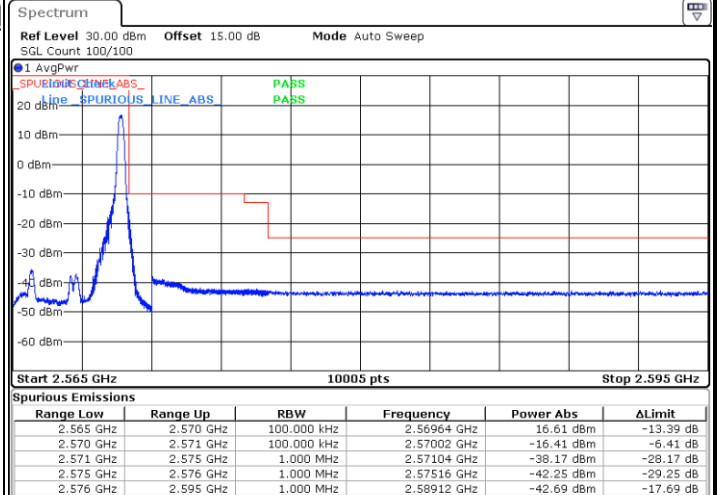


LTE Band 7 / 5MHz / 64QAM

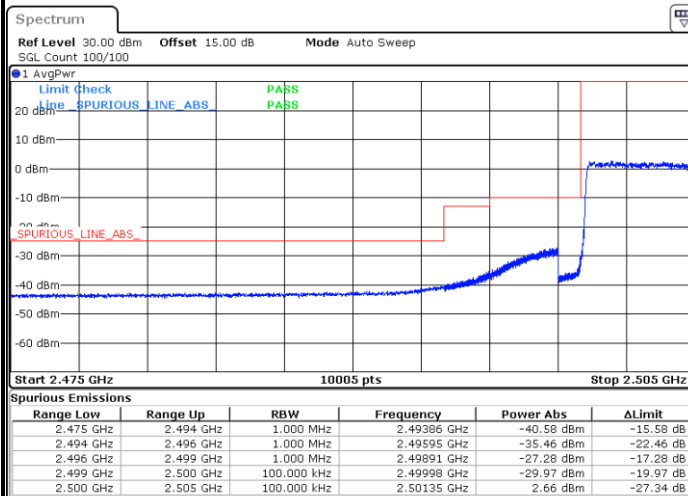
Lowest Band Edge / 1RB



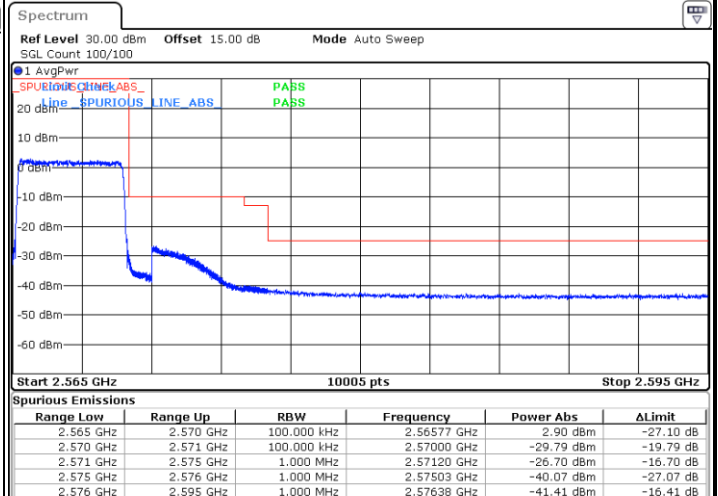
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



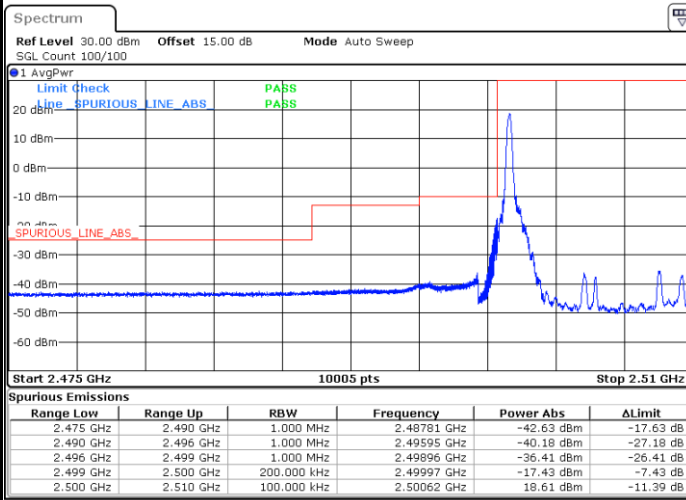
Highest Band Edge / Full RB



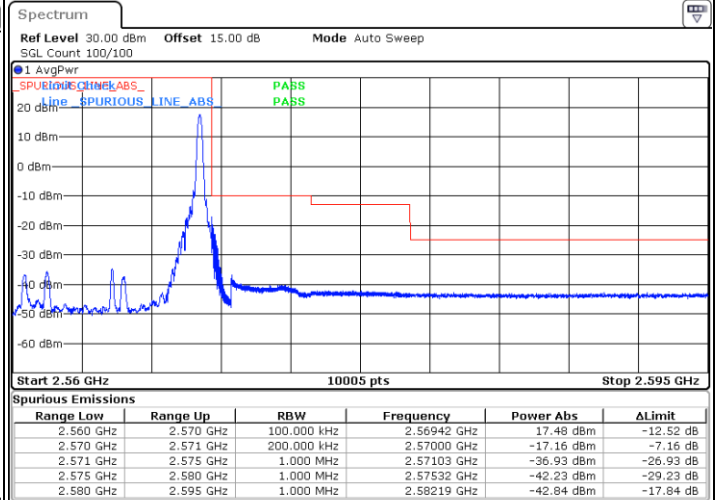


LTE Band 7 / 10MHz / QPSK

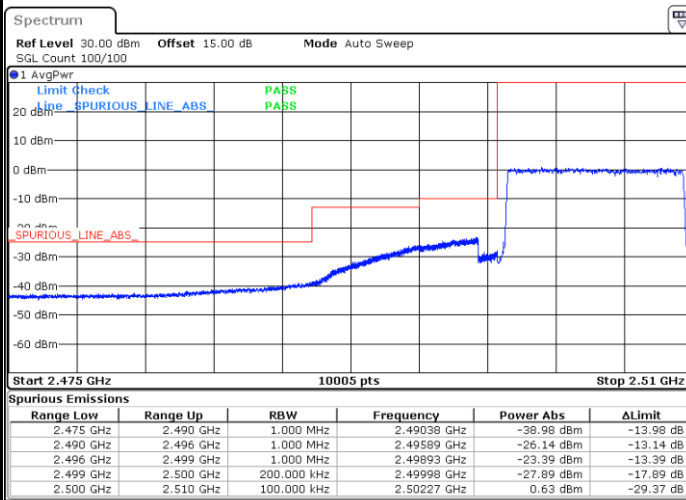
Lowest Band Edge / 1 RB



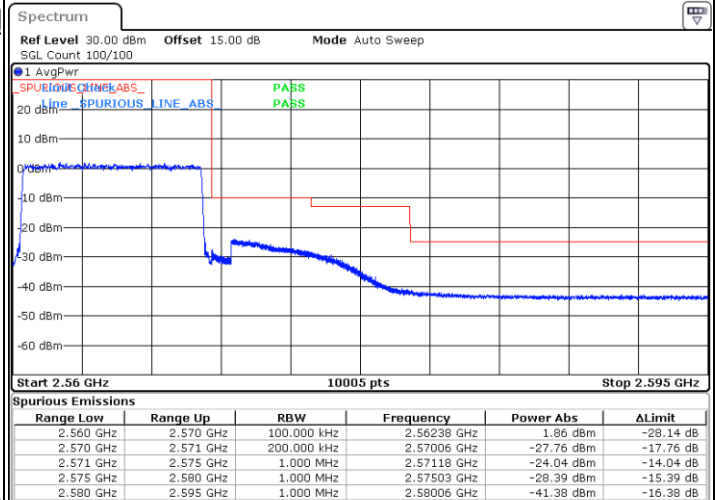
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



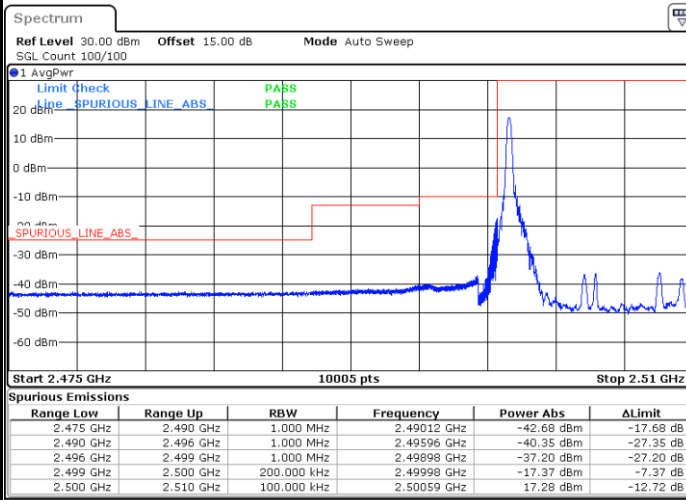
Highest Band Edge / Full RB



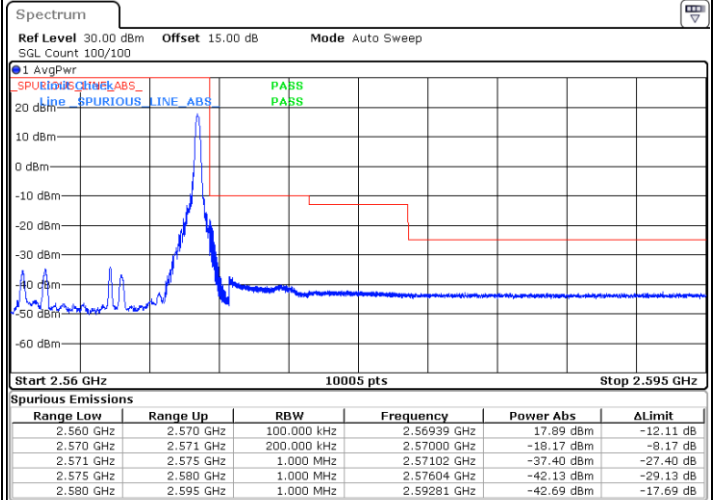


LTE Band 7 / 10MHz / 16QAM

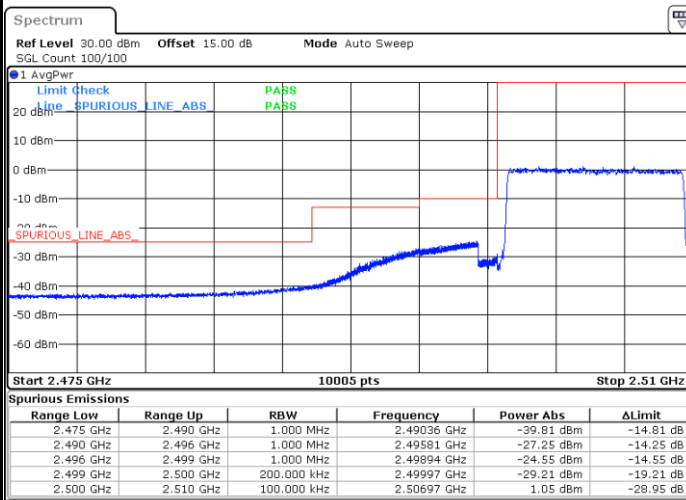
Lowest Band Edge / 1RB



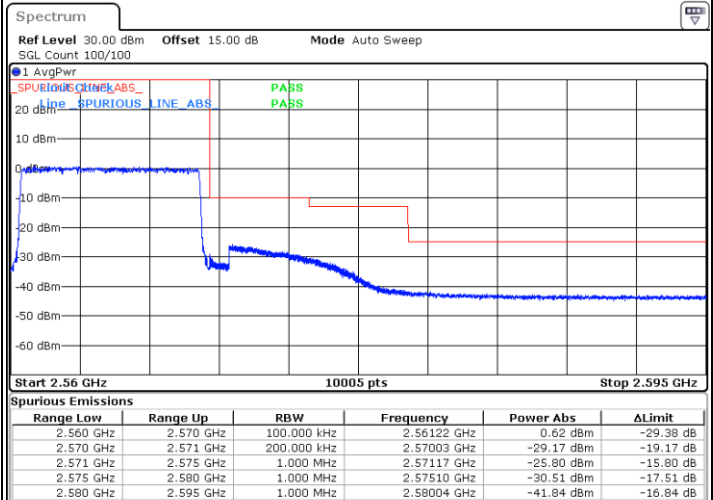
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



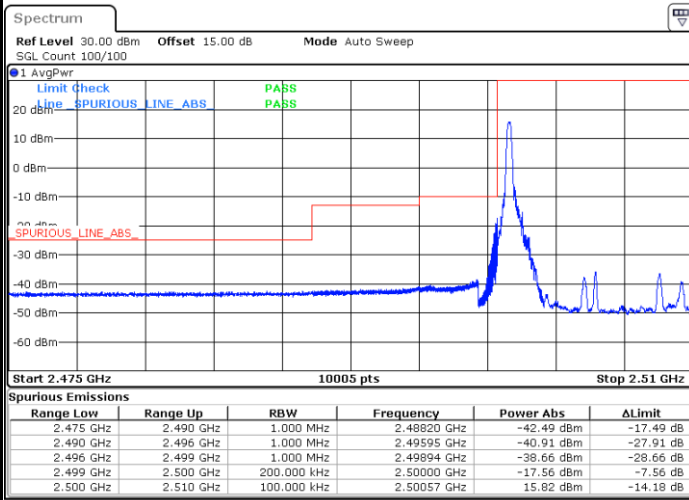
Highest Band Edge / Full RB



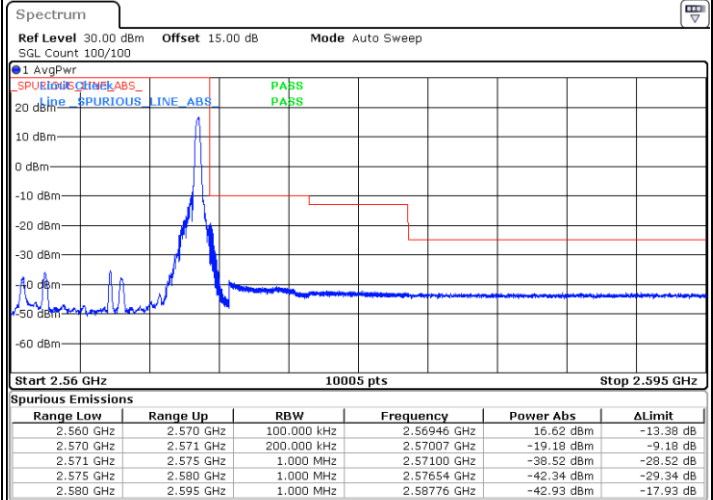


LTE Band 7 / 10MHz / 64QAM

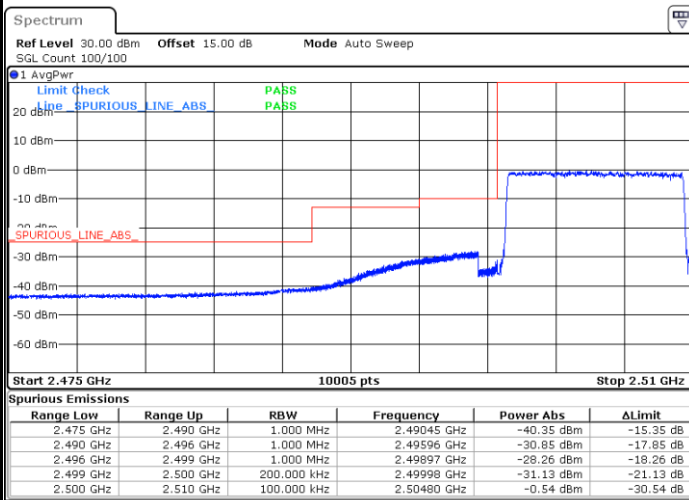
Lowest Band Edge / 1RB



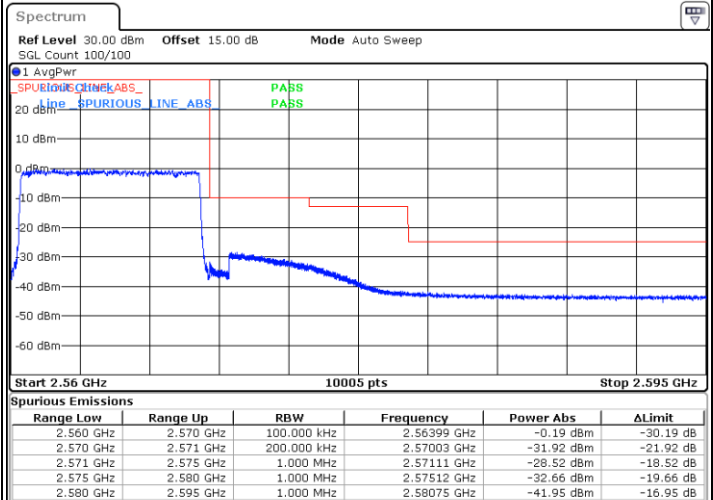
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



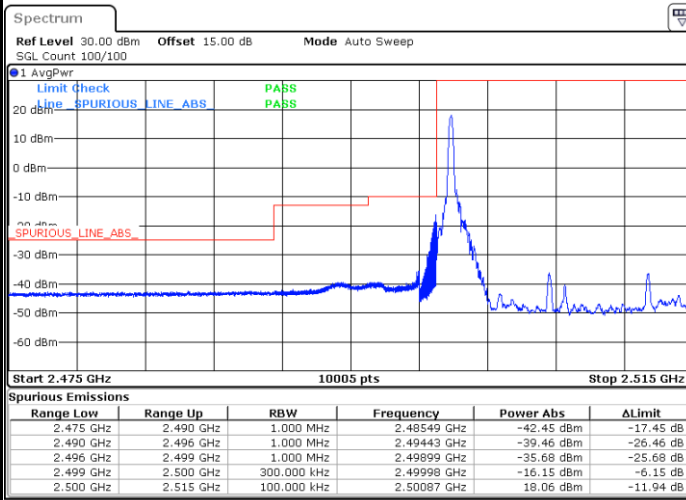
Highest Band Edge / Full RB



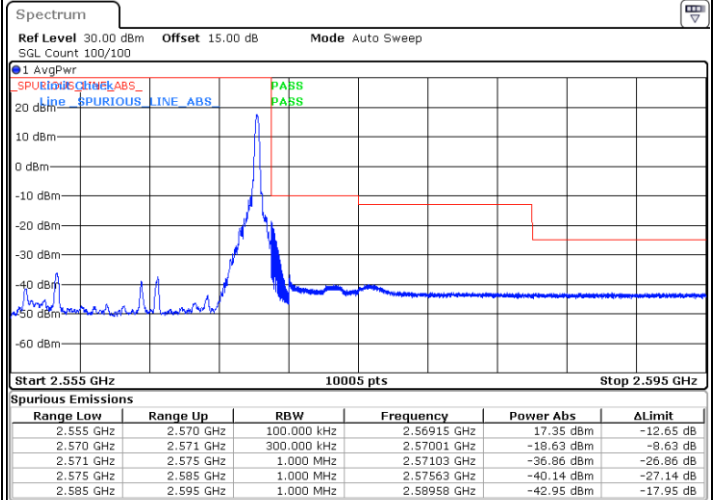


LTE Band 7 / 15MHz / QPSK

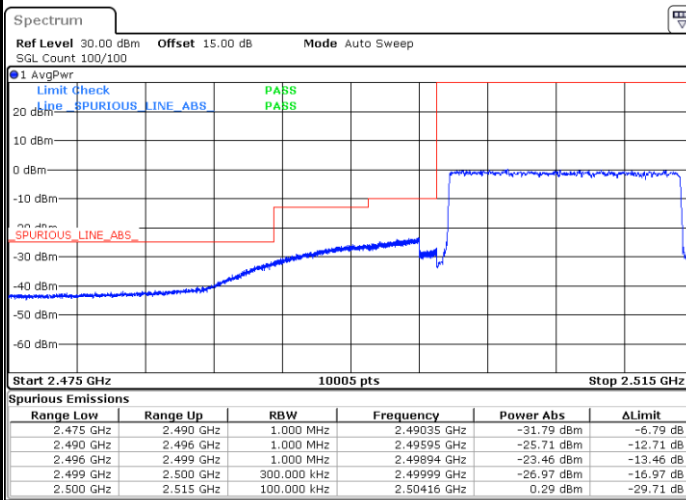
Lowest Band Edge / 1 RB



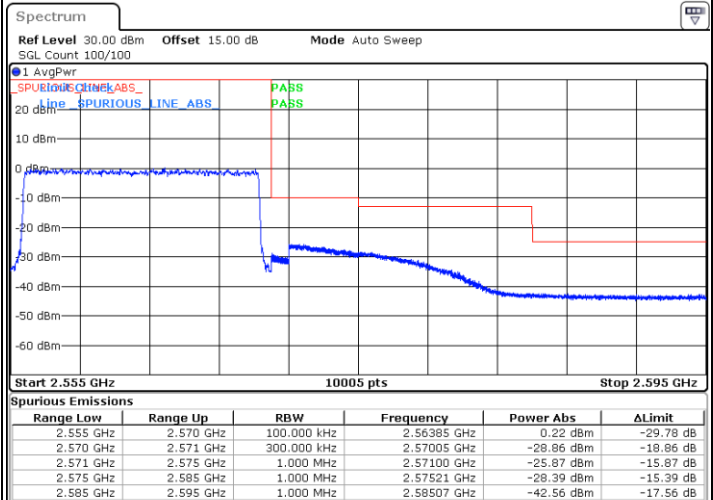
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



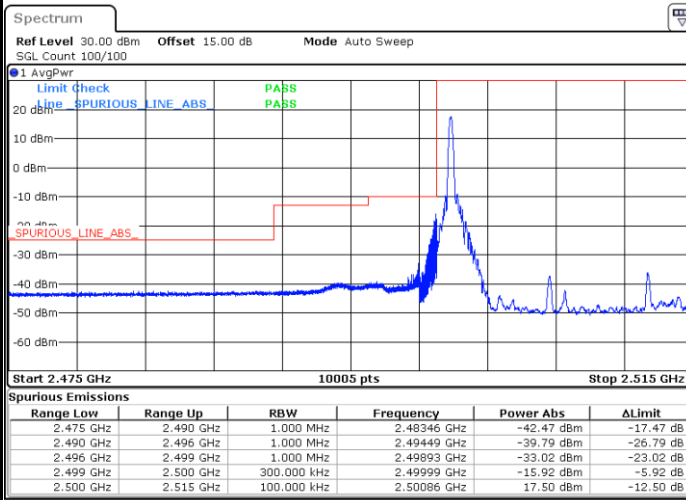
Highest Band Edge / Full RB



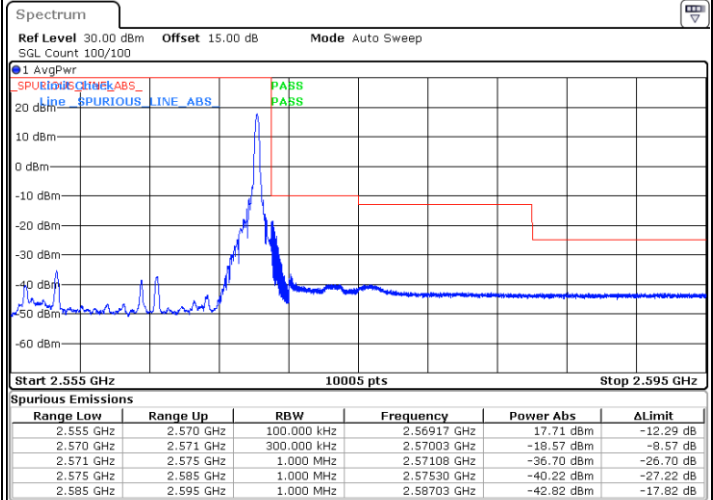


LTE Band 7 / 15MHz / 16QAM

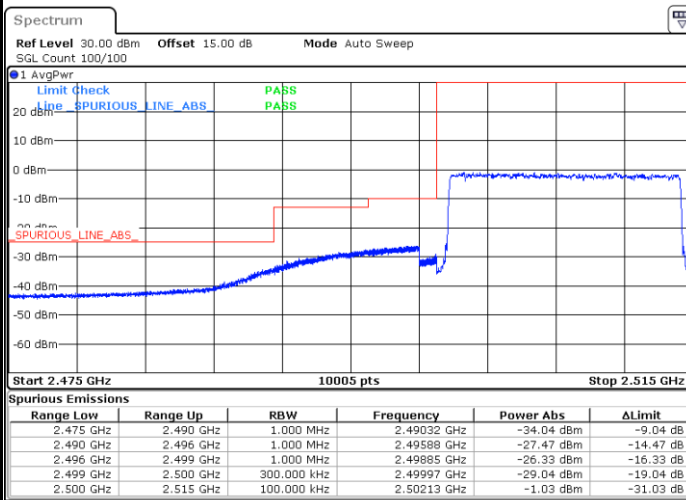
Lowest Band Edge / 1RB



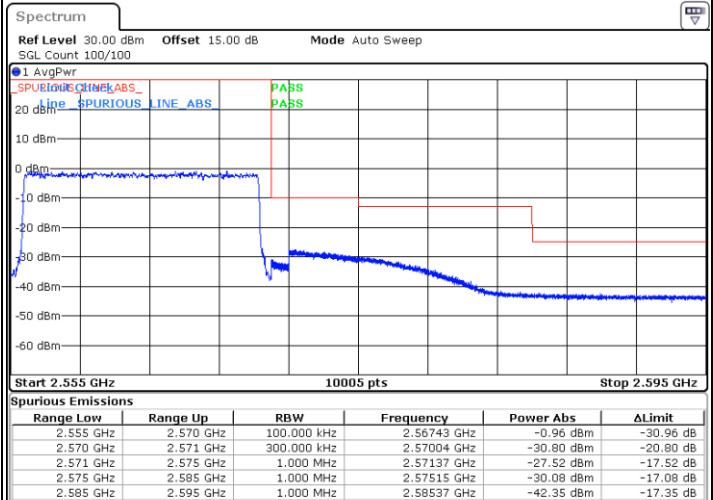
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



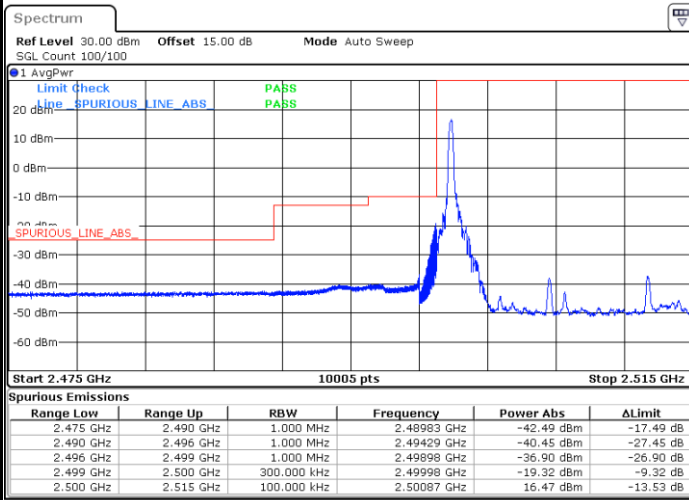
Highest Band Edge / Full RB



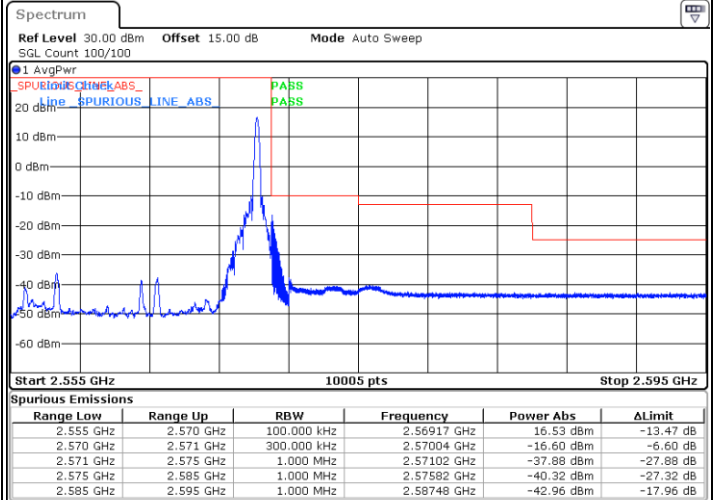


LTE Band 7 / 15MHz / 64QAM

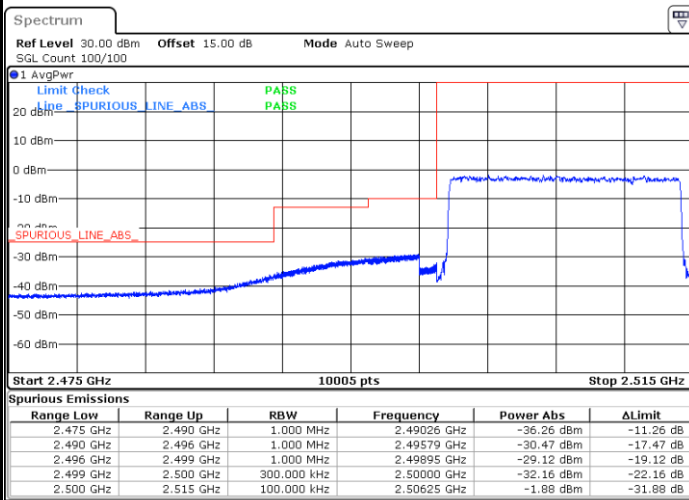
Lowest Band Edge / 1RB



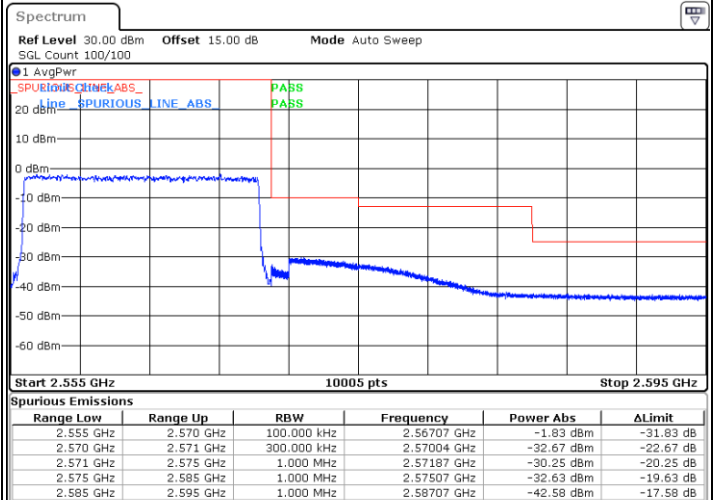
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



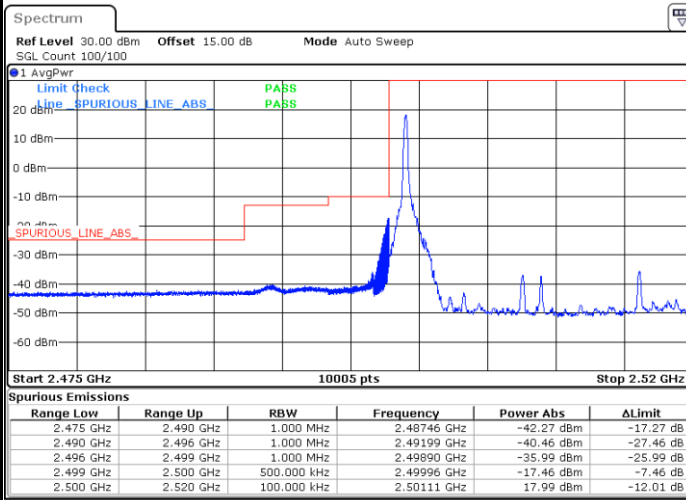
Highest Band Edge / Full RB



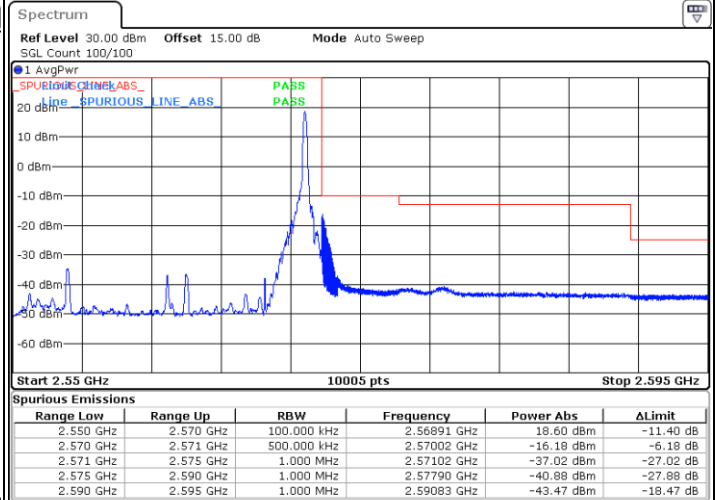


LTE Band 7 / 20MHz / QPSK

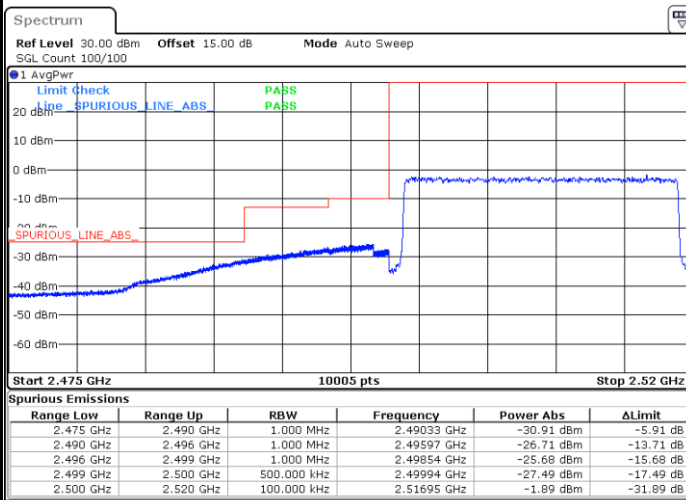
Lowest Band Edge / 1 RB



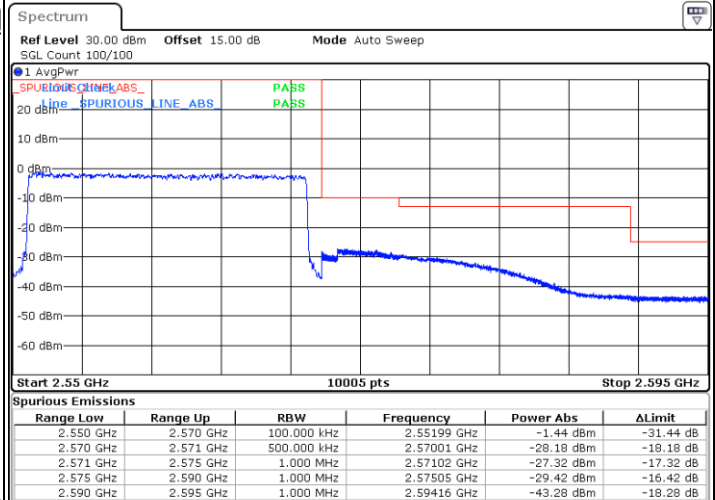
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



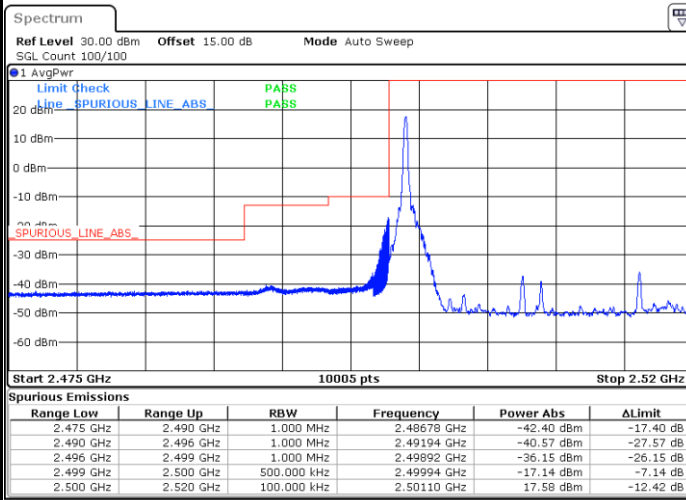
Highest Band Edge / Full RB



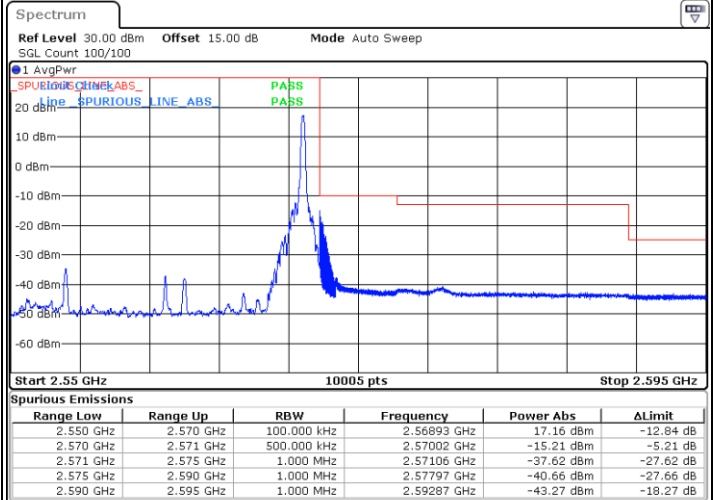


LTE Band 7 / 20MHz / 16QAM

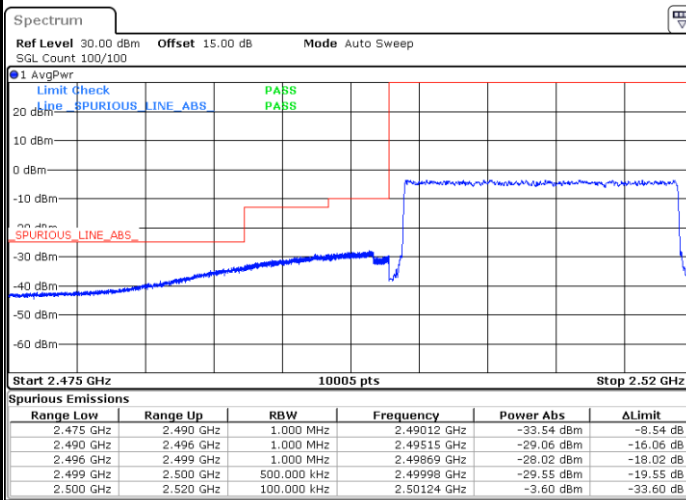
Lowest Band Edge / 1RB



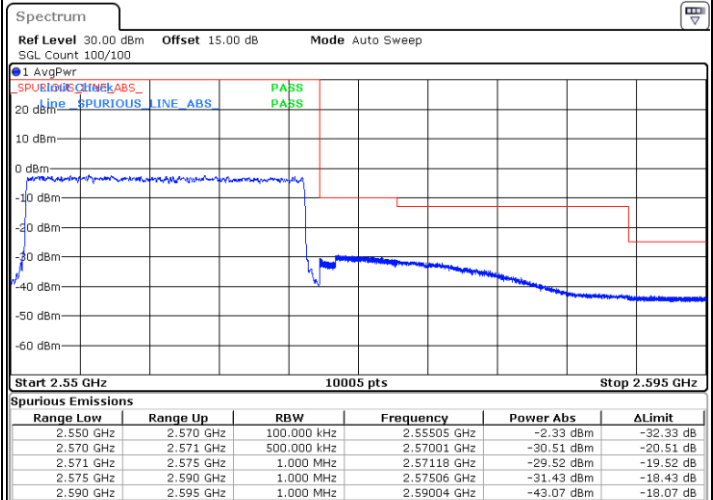
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



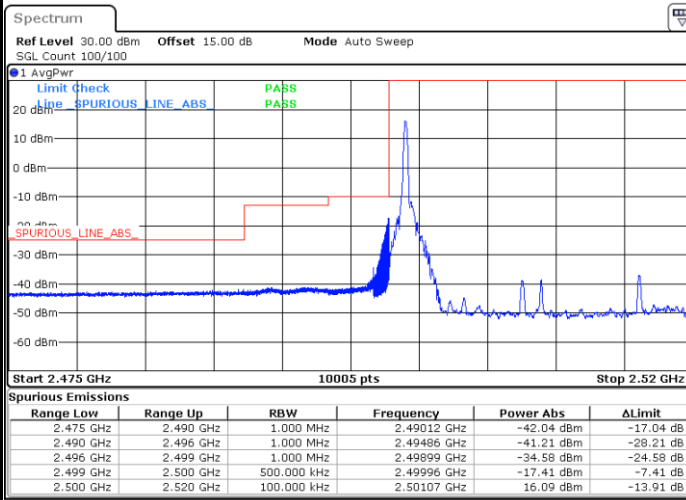
Highest Band Edge / Full RB



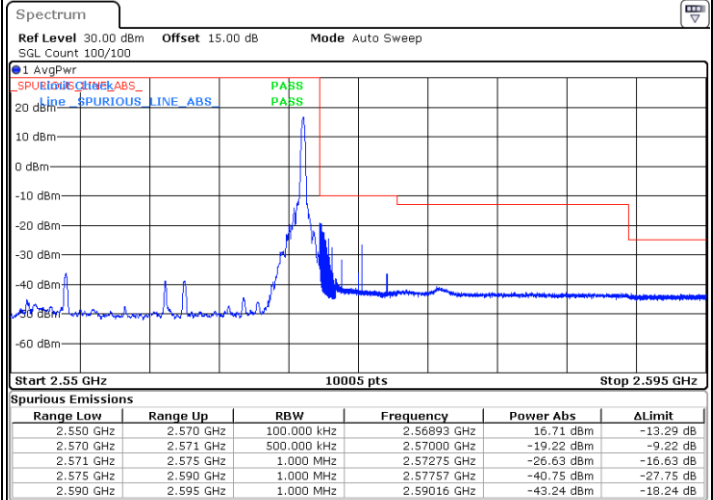


LTE Band 7 / 20MHz / 64QAM

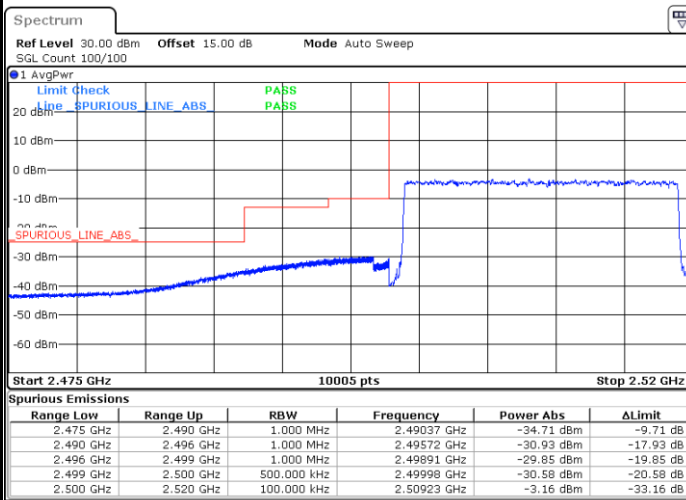
Lowest Band Edge / 1RB



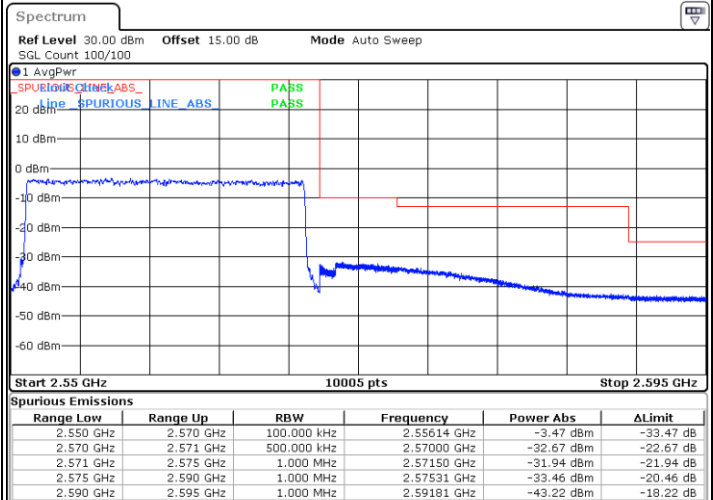
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

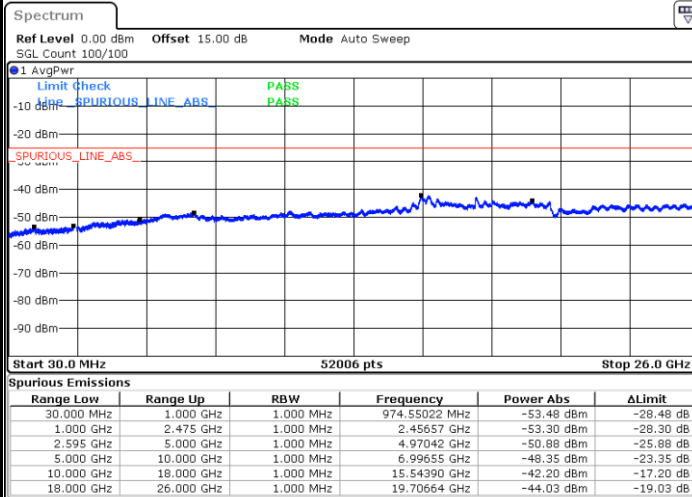




Conducted Spurious Emission

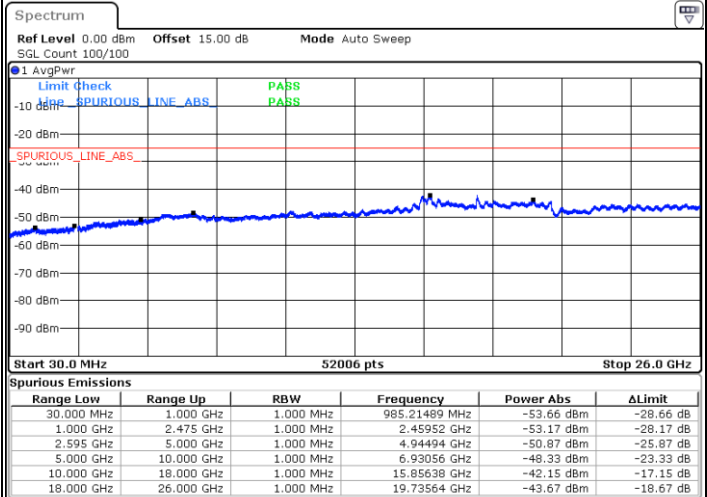
LTE Band 7 / 5MHz

Lowest Channel / QPSK



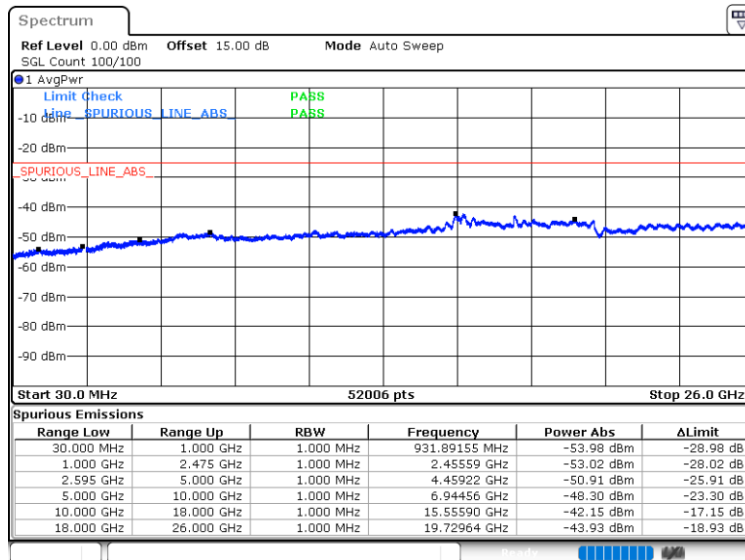
Date: 22.JUL.2025 09:12:01

Middle Channel / QPSK



Date: 22.JUL.2025 09:13:04

Highest Channel / QPSK

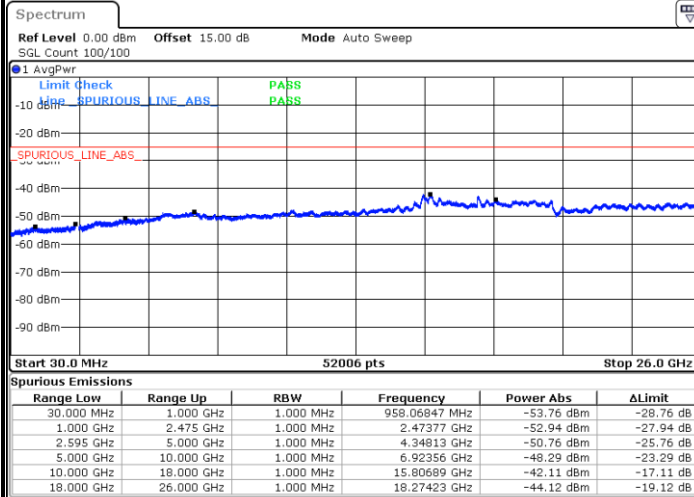


Date: 22.JUL.2025 09:19:27



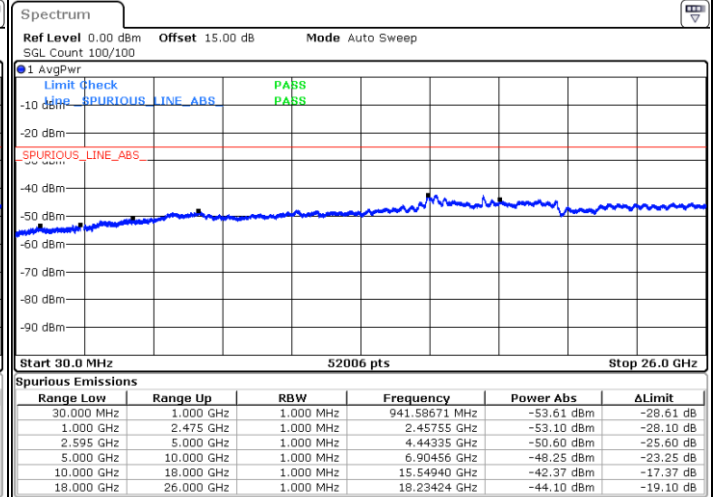
LTE Band 7 / 10MHz

Lowest Channel / QPSK



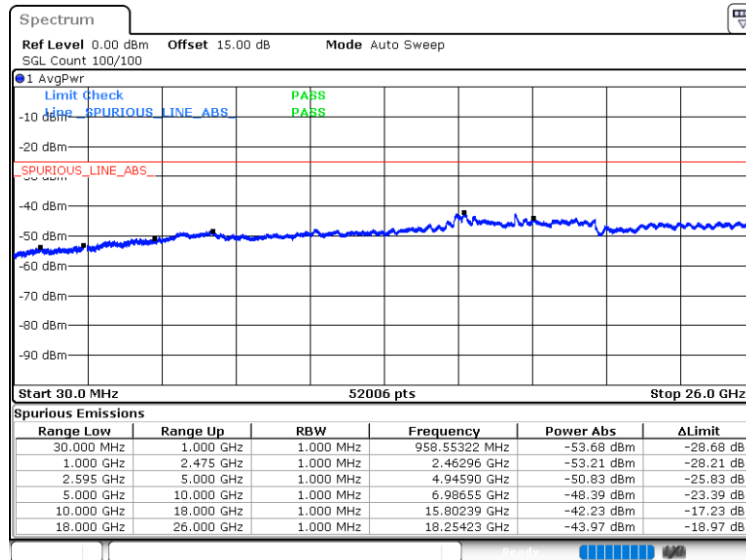
Date: 22.JUL.2025 09:24:49

Middle Channel / QPSK



Date: 22.JUL.2025 09:25:53

Highest Channel / QPSK

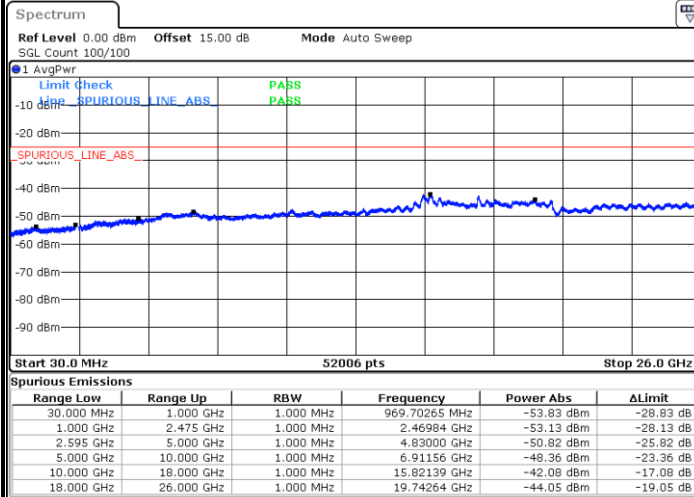


Date: 22.JUL.2025 09:31:50



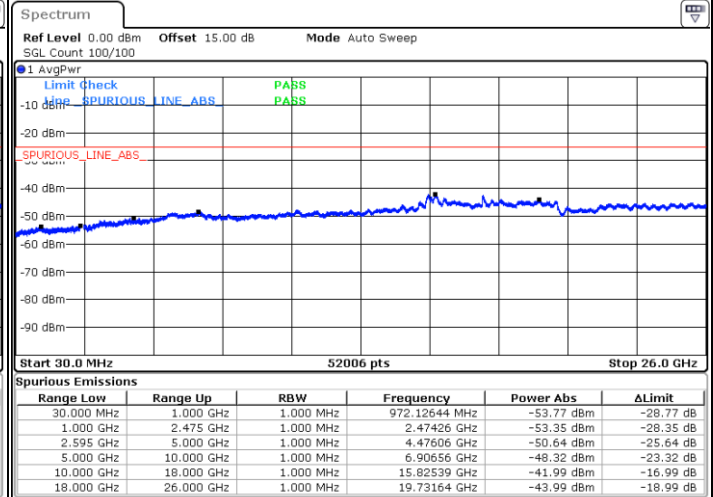
LTE Band 7 / 15MHz

Lowest Channel / QPSK



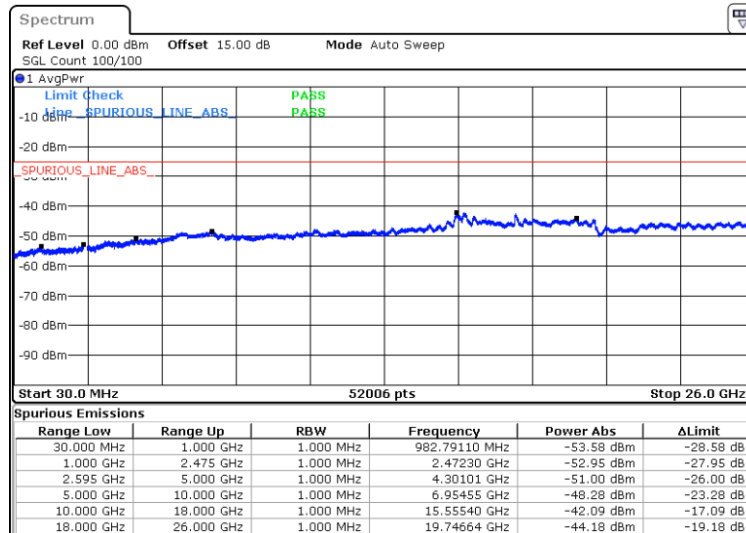
Date: 22.JUL.2025 09:38:18

Middle Channel / QPSK



Date: 22.JUL.2025 09:39:22

Highest Channel / QPSK

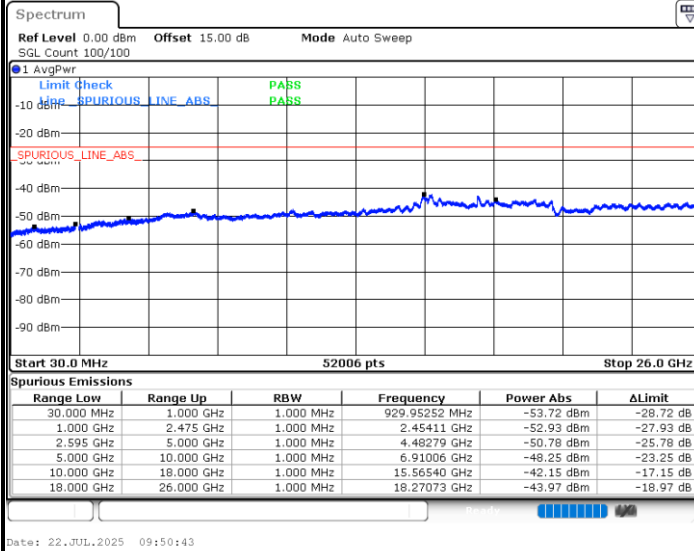


Date: 22.JUL.2025 09:45:20

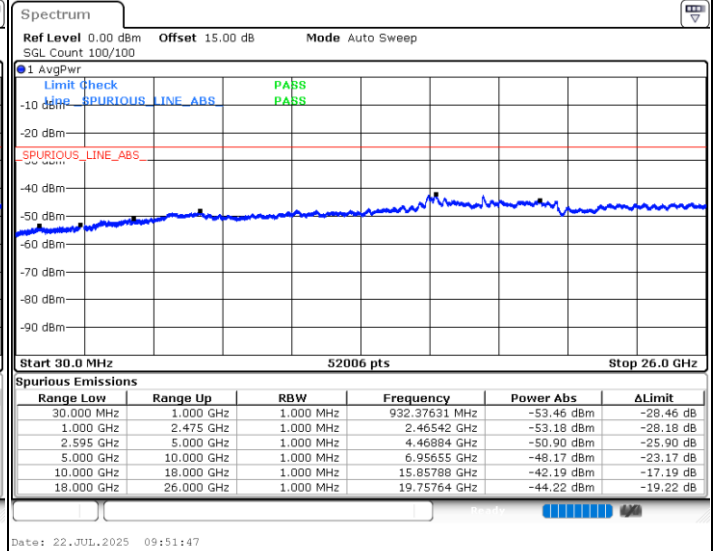


LTE Band 7 / 20MHz

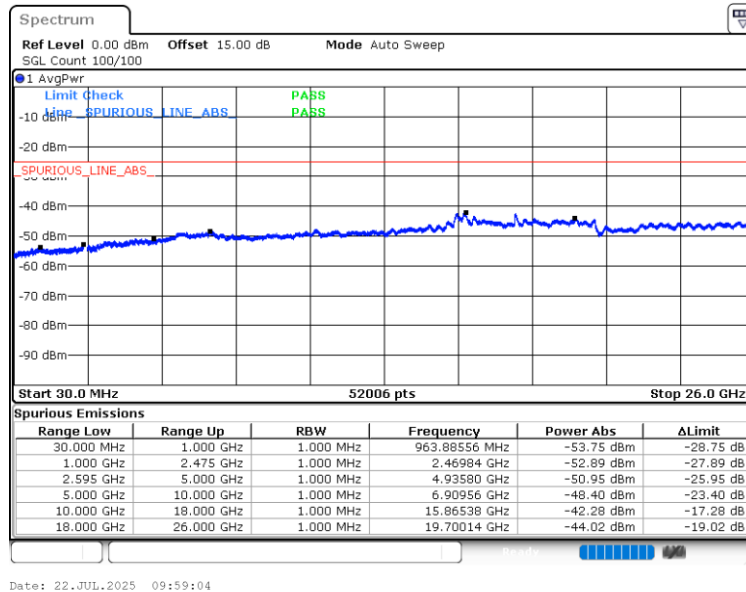
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK



**Frequency Stability**

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0019	

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 12

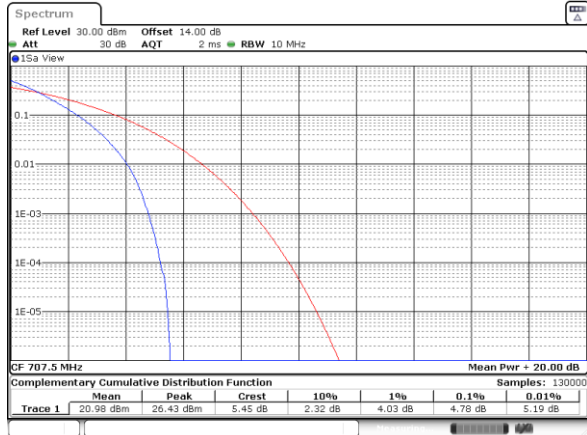
Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.78	5.65	6.12	PASS



LTE Band 12 / 10MHz / QPSK

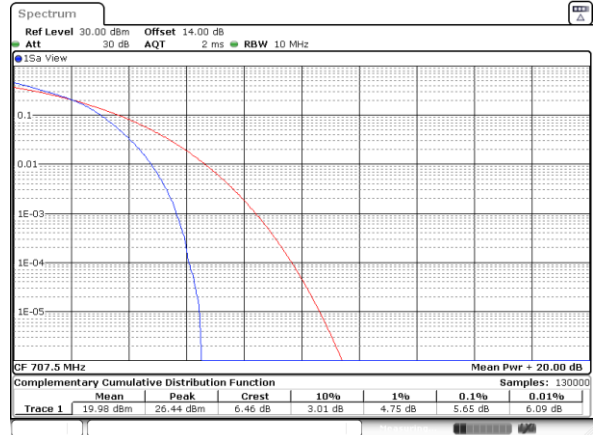
Middle Channel / Full RB



Date: 6.AUG.2025 14:38:34

LTE Band 12 / 10MHz / 16QAM

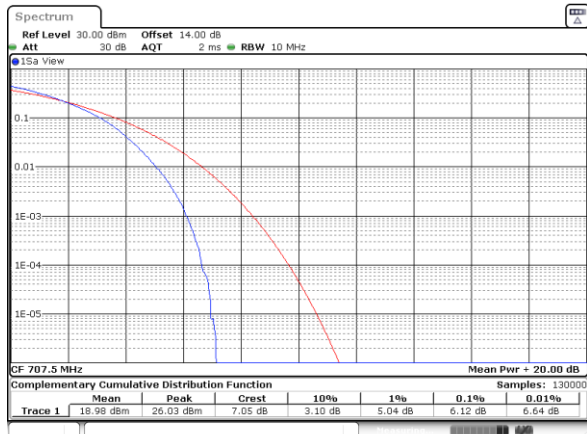
Middle Channel / Full RB



Date: 6.AUG.2025 14:39:01

LTE Band 12 / 10MHz / 64QAM

Middle Channel / Full RB



Date: 6.AUG.2025 14:39:28



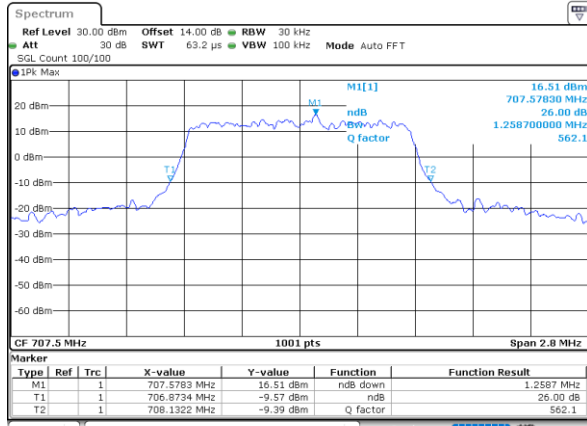
26dB Bandwidth

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	1.26	1.25	2.98	2.97	4.92	4.94	9.67	9.71	-	-	-	-



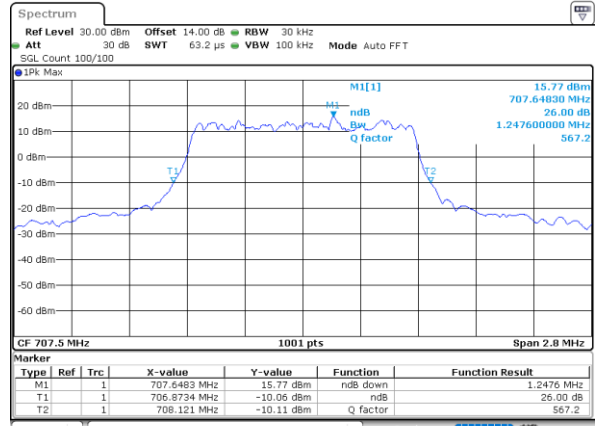
LTE Band 12

Middle Channel / 1.4MHz / QPSK



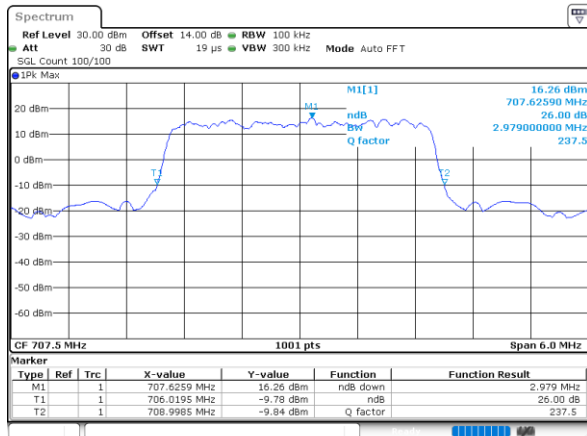
Date: 22.JUL.2025 02:38:29

Middle Channel / 1.4MHz / 16QAM



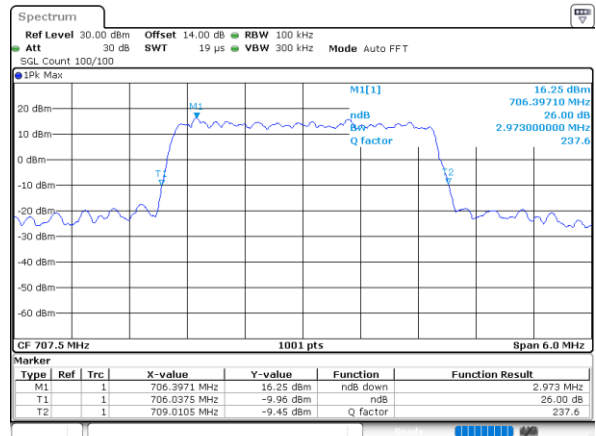
Date: 22.JUL.2025 02:39:09

Middle Channel / 3MHz / QPSK



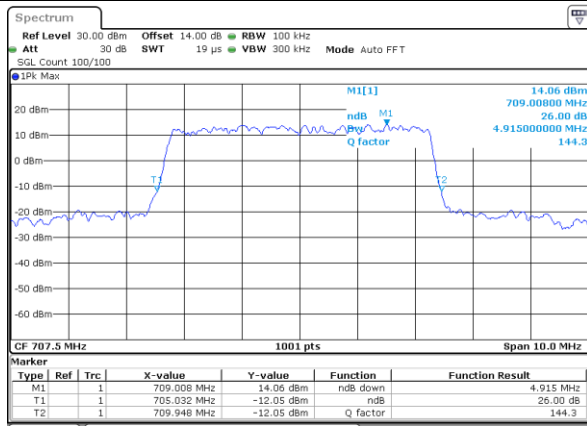
Date: 22.JUL.2025 02:53:40

Middle Channel / 3MHz / 16QAM



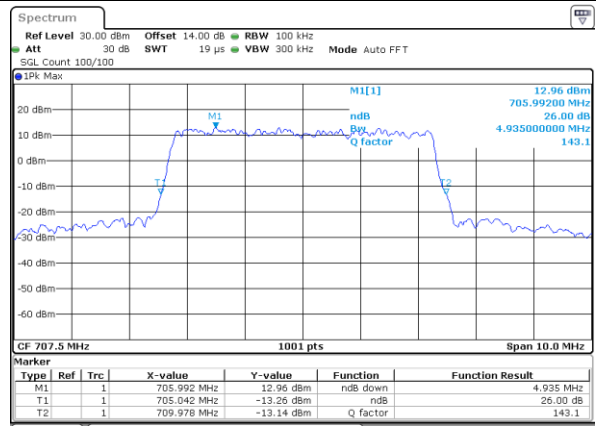
Date: 22.JUL.2025 02:54:19

Middle Channel / 5MHz / QPSK



Date: 22.JUL.2025 03:08:49

Middle Channel / 5MHz / 16QAM

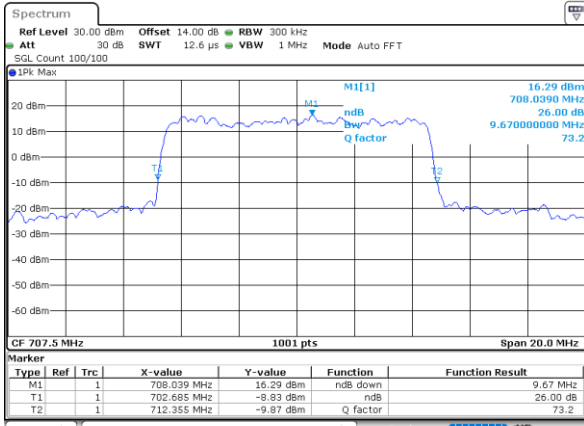


Date: 22.JUL.2025 03:09:29



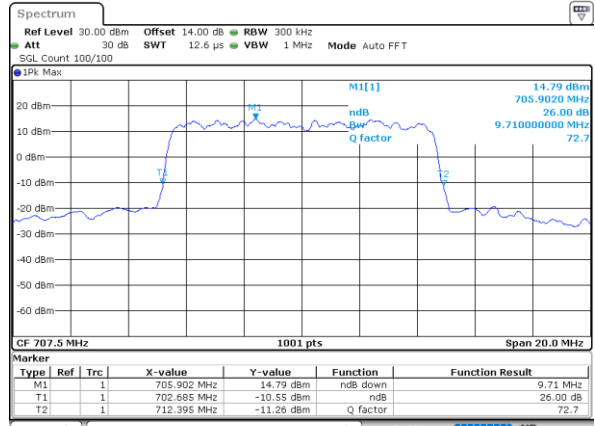
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 22,JUL,2025 03:23:59

Middle Channel / 10MHz / 16QAM



Date: 22,JUL,2025 03:24:38



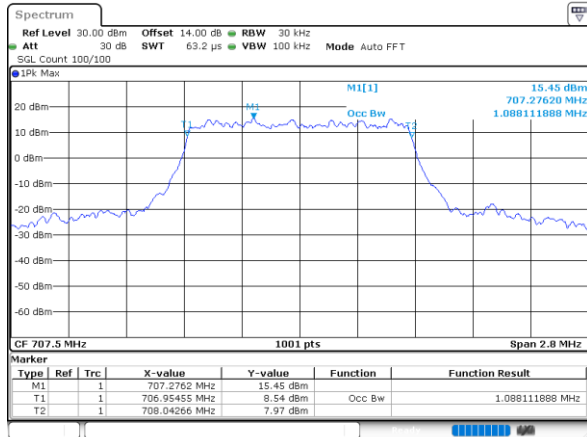
Occupied Bandwidth

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	1.09	2.70	2.70	4.50	4.48	9.05	9.03	-	-	-	-

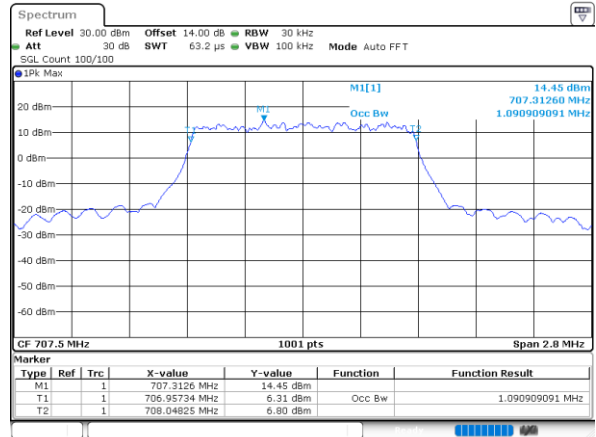


LTE Band 12

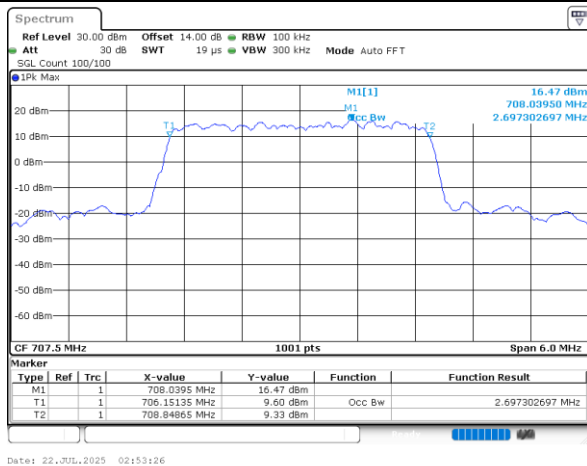
Middle Channel / 1.4MHz / QPSK



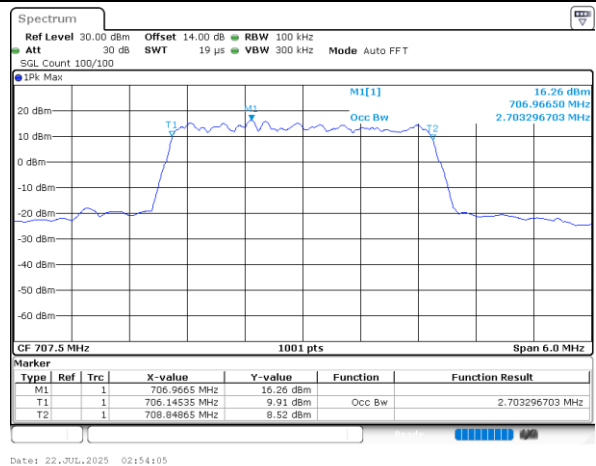
Middle Channel / 1.4MHz / 16QAM



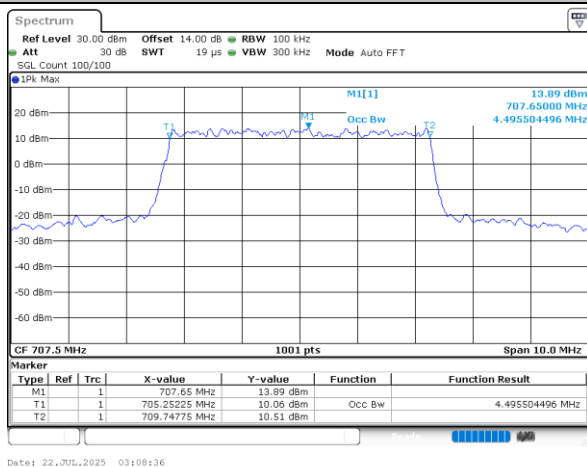
Middle Channel / 3MHz / QPSK



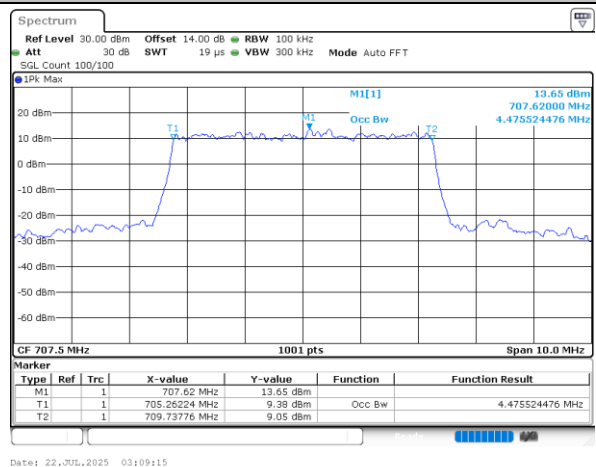
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



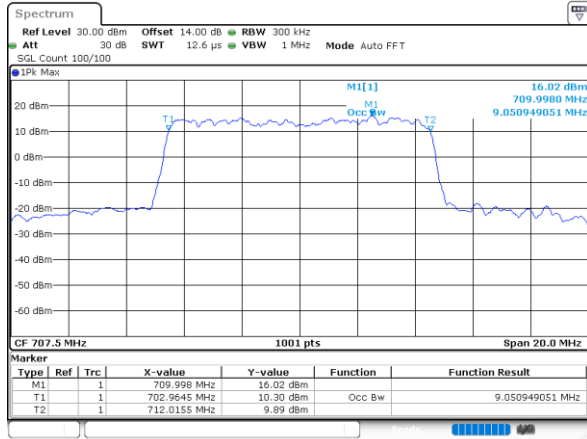
Middle Channel / 5MHz / 16QAM





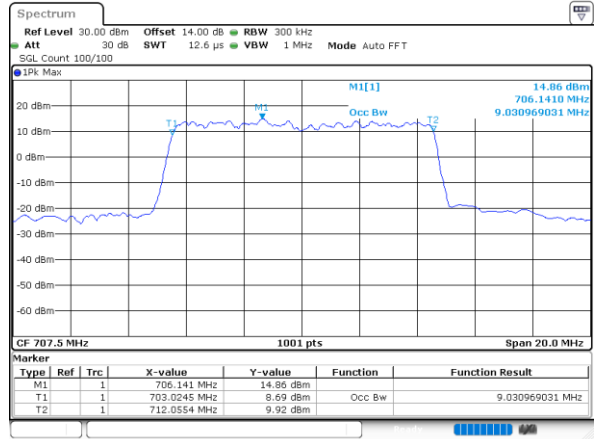
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 22.JUL.2025 03:23:45

Middle Channel / 10MHz / 16QAM



Date: 22.JUL.2025 03:24:24