

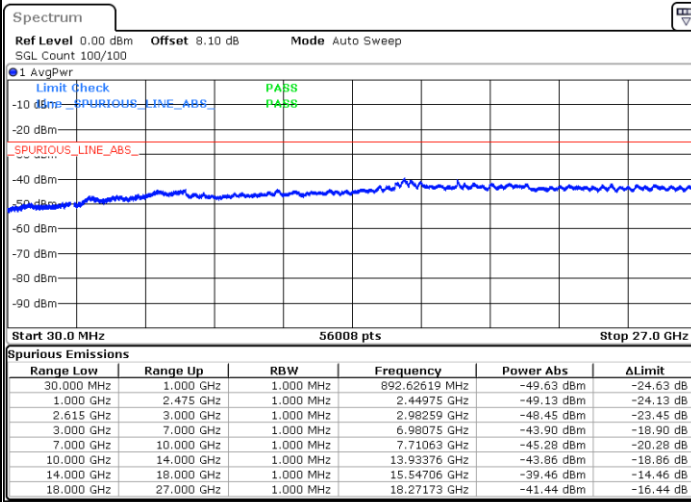


LTE Band 7C / 15MHz+10MHz

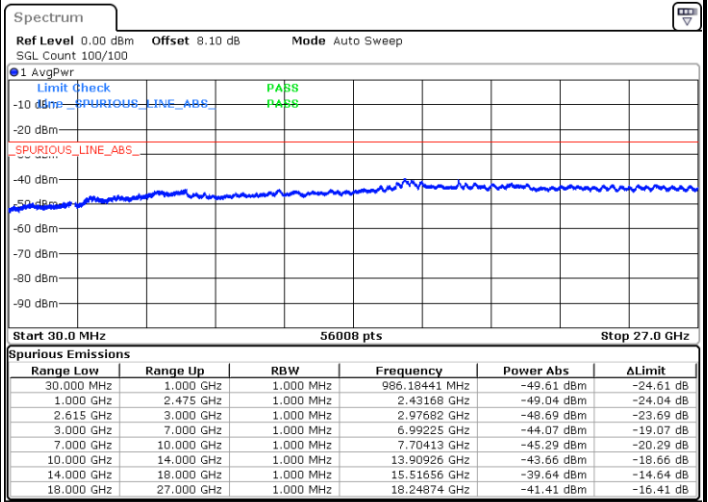
QPSK

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB74 and 1RB0



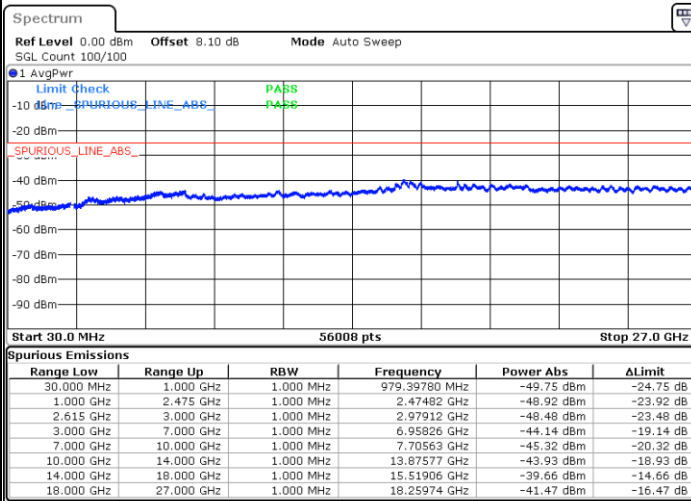
Date: 26.NOV.2025 20:38:42



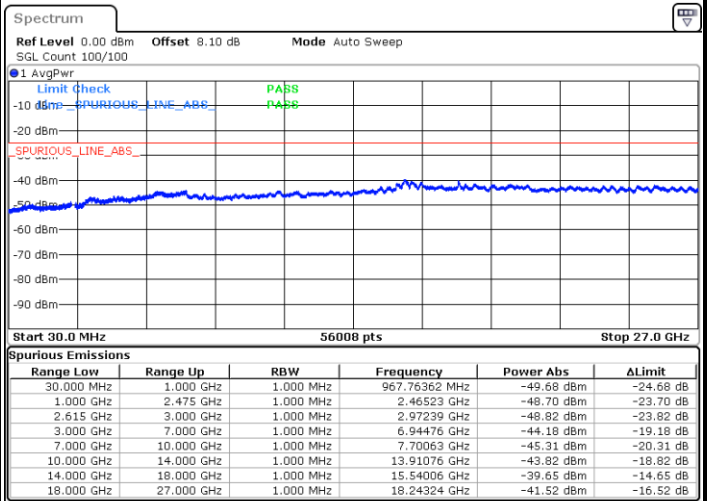
Date: 26.NOV.2025 20:37:26

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB74 and 1RB0



Date: 26.NOV.2025 20:39:58



Date: 26.NOV.2025 20:41:13

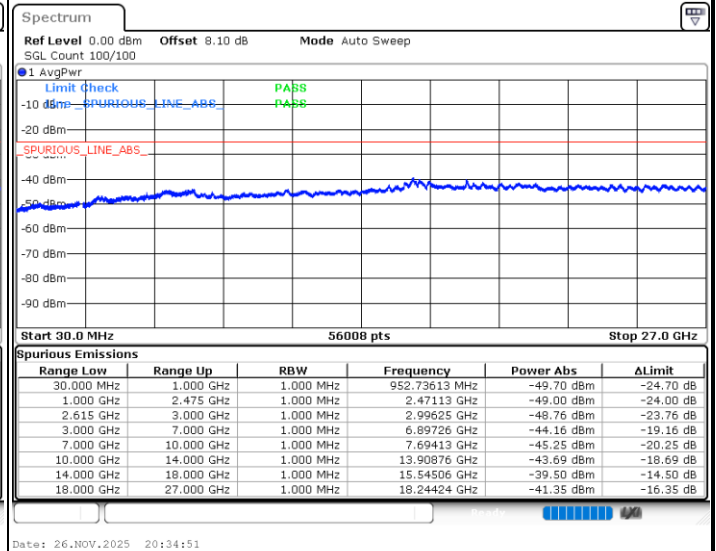
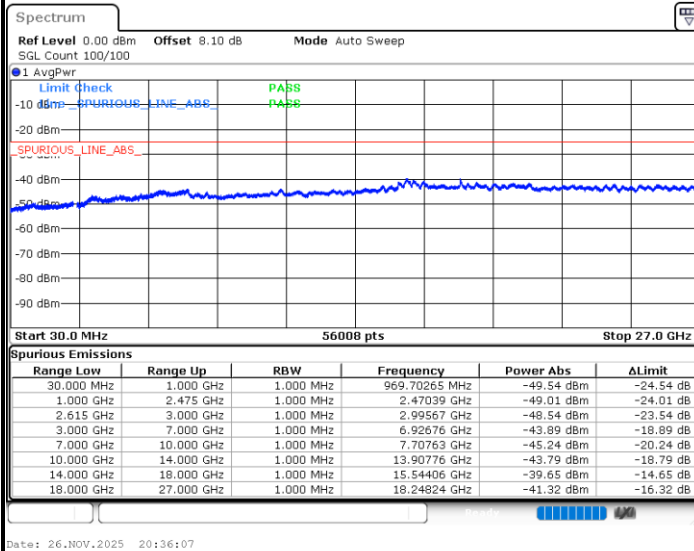


LTE Band 7C / 15MHz+10MHz

QPSK

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB74 and 1RB0



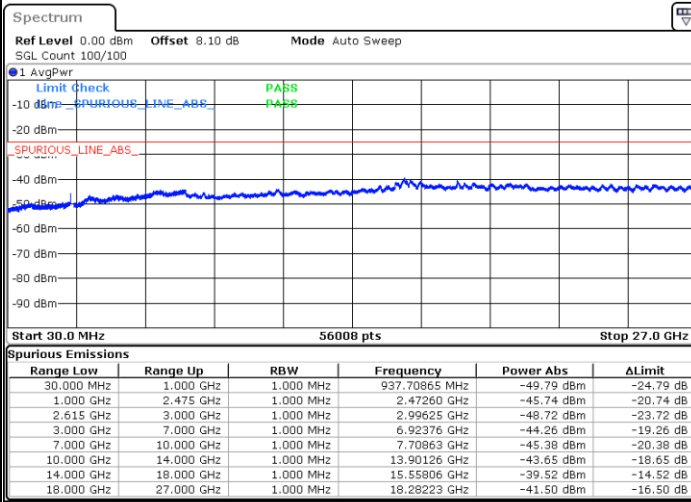


LTE Band 7C / 15MHz+15MHz

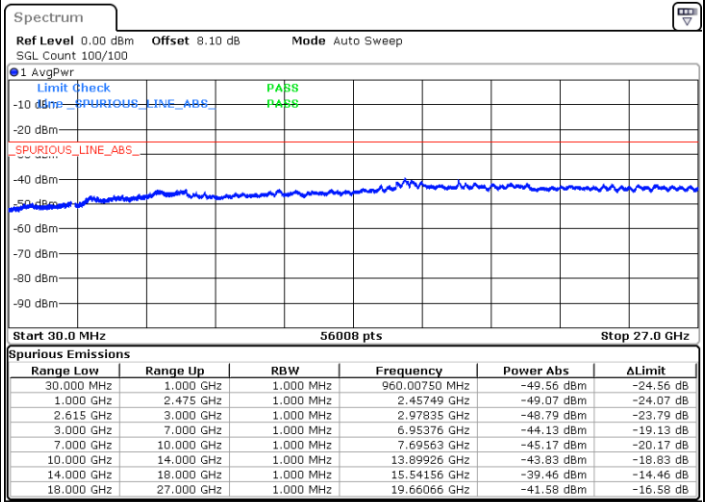
QPSK

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB74 and 1RB0



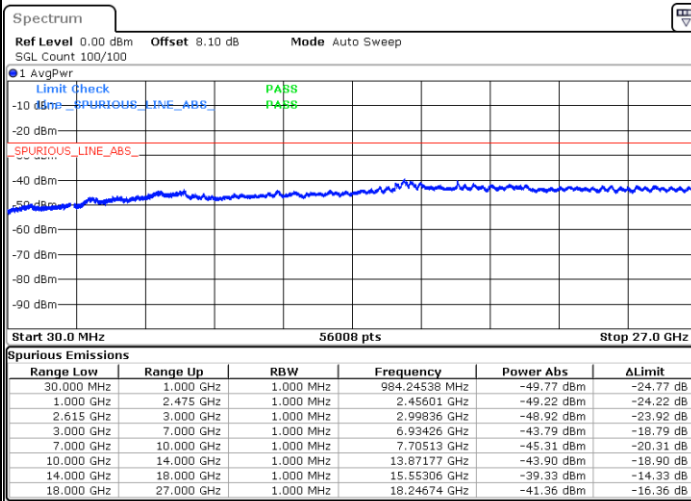
Date: 26.NOV.2025 20:05:49



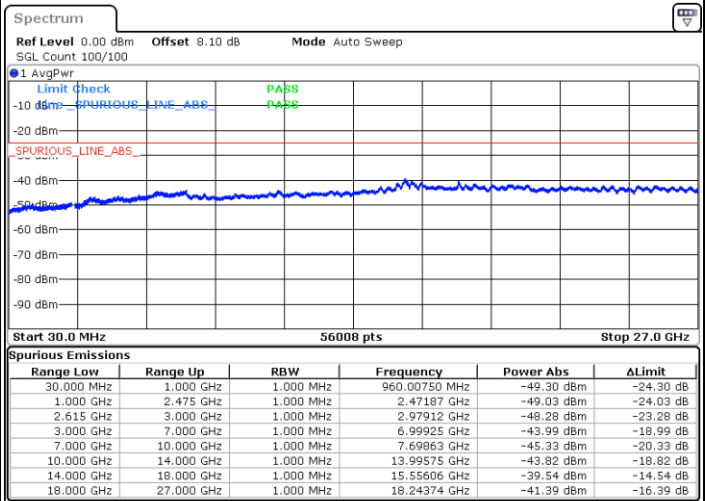
Date: 26.NOV.2025 20:04:34

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB74 and 1RB0



Date: 26.NOV.2025 20:07:05



Date: 26.NOV.2025 20:08:21

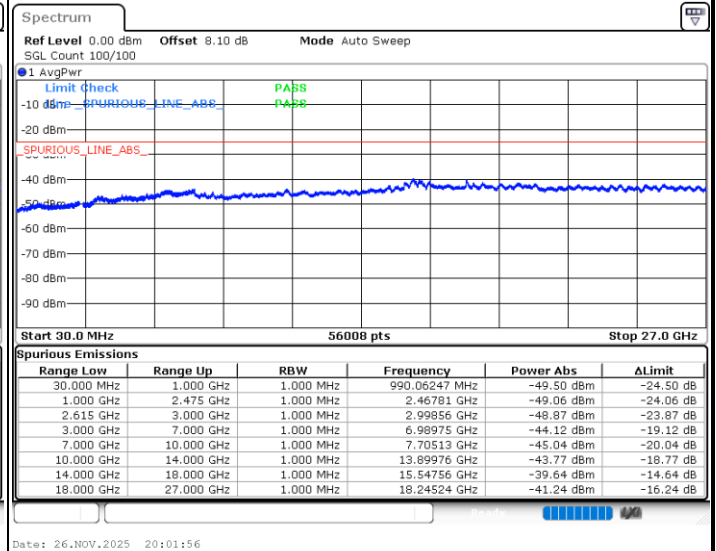
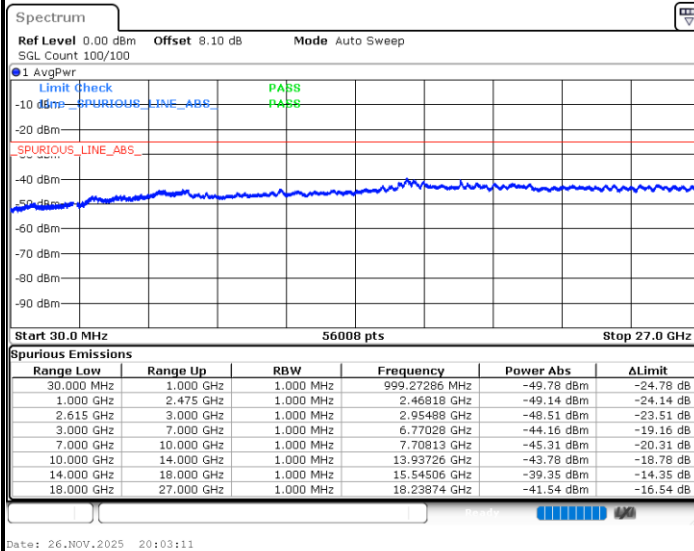


LTE Band 7C / 15MHz+15MHz

QPSK

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB74 and 1RB0



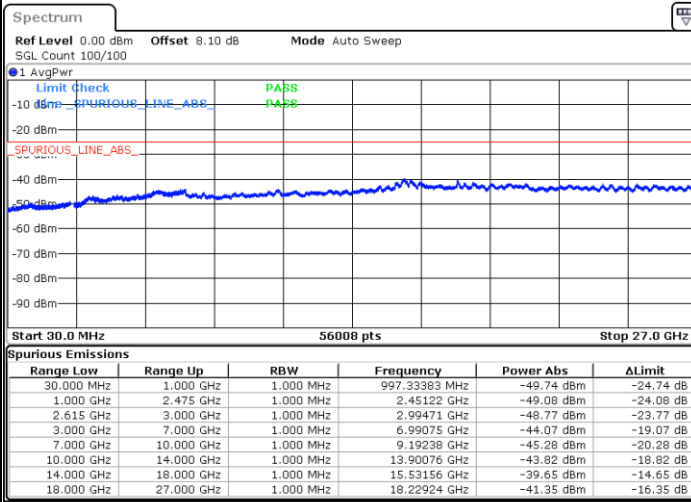


LTE Band 7C / 15MHz+20MHz

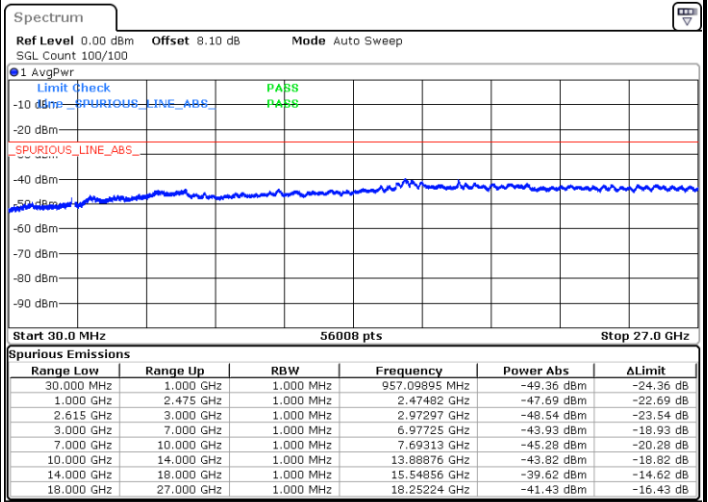
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB74 and 1RB0



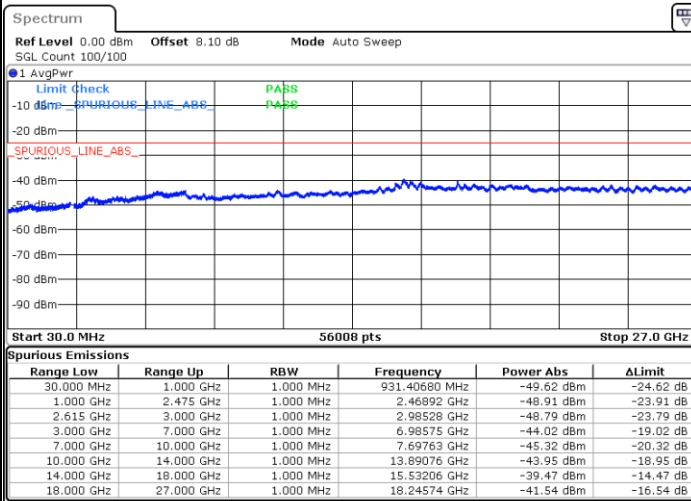
Date: 26.NOV.2025 20:13:29



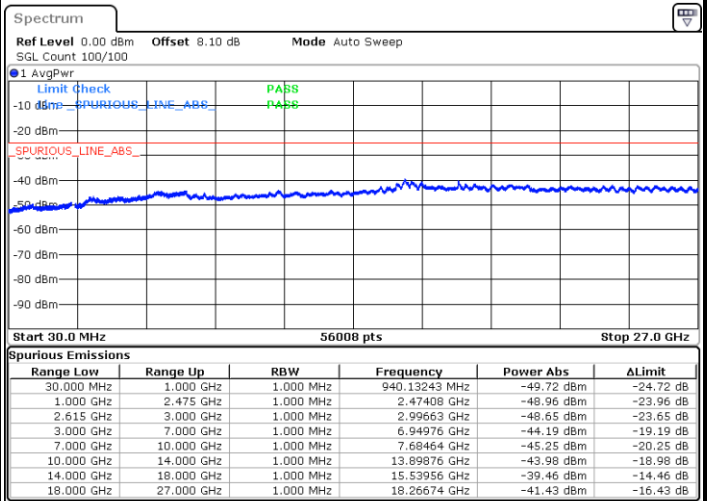
Date: 26.NOV.2025 20:12:13

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB74 and 1RB0



Date: 26.NOV.2025 20:14:45



Date: 26.NOV.2025 20:16:00

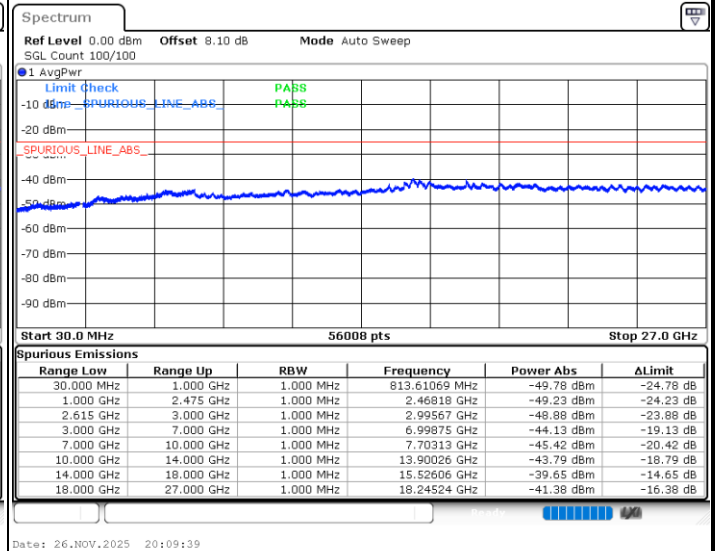
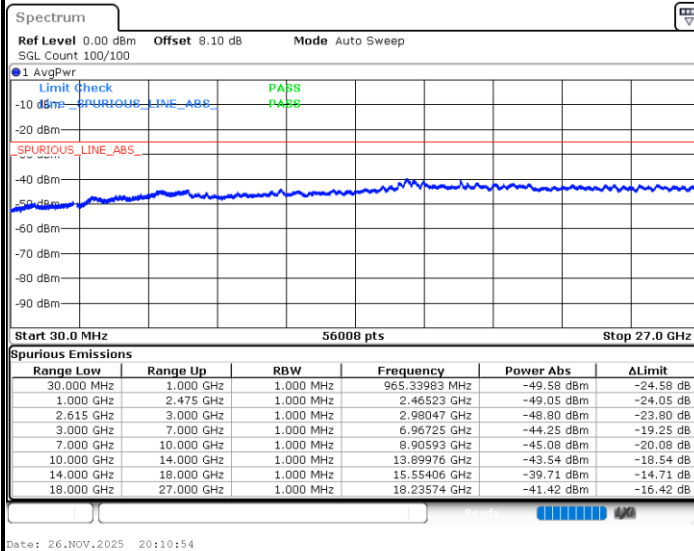


LTE Band 7C / 15MHz+20MHz

QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB74 and 1RB0



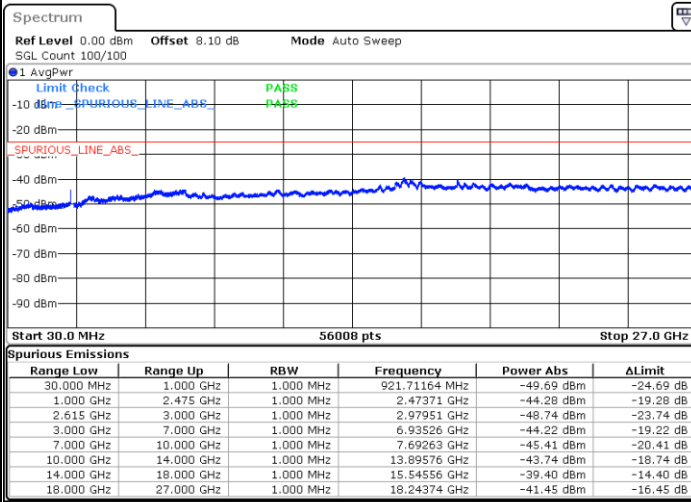


LTE Band 7C / 20MHz+10MHz

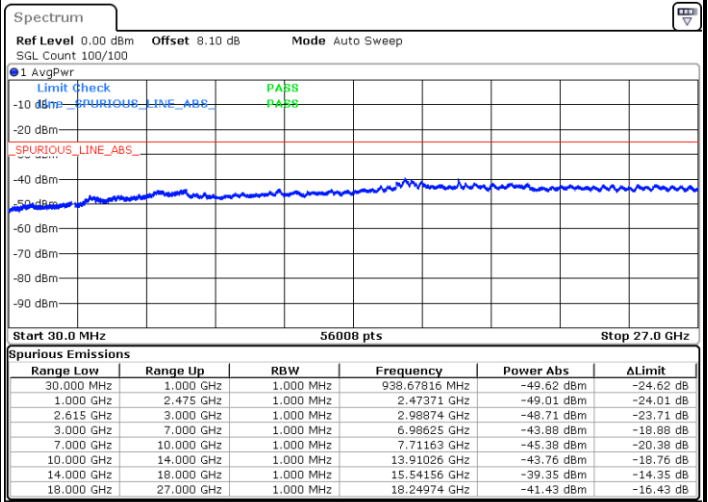
QPSK

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB99 and 1RB0



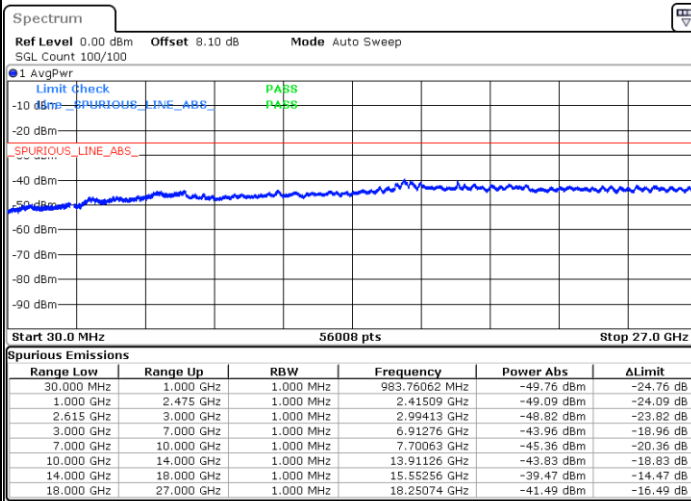
Date: 26.NOV.2025 19:57:56



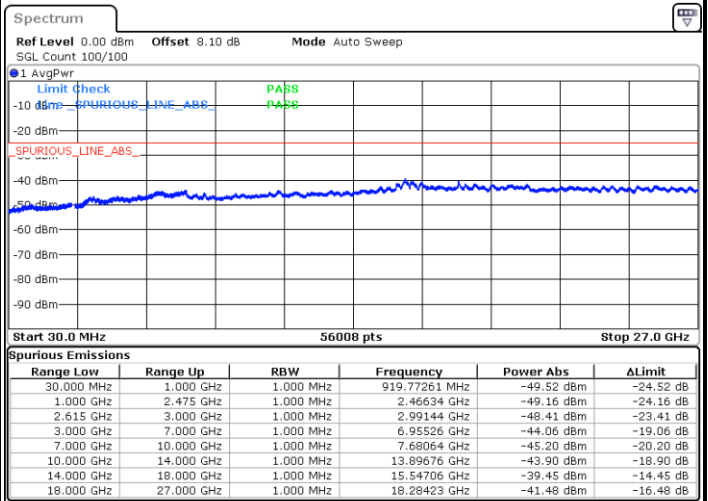
Date: 26.NOV.2025 19:56:41

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB99 and 1RB0



Date: 26.NOV.2025 19:59:12



Date: 26.NOV.2025 20:00:28

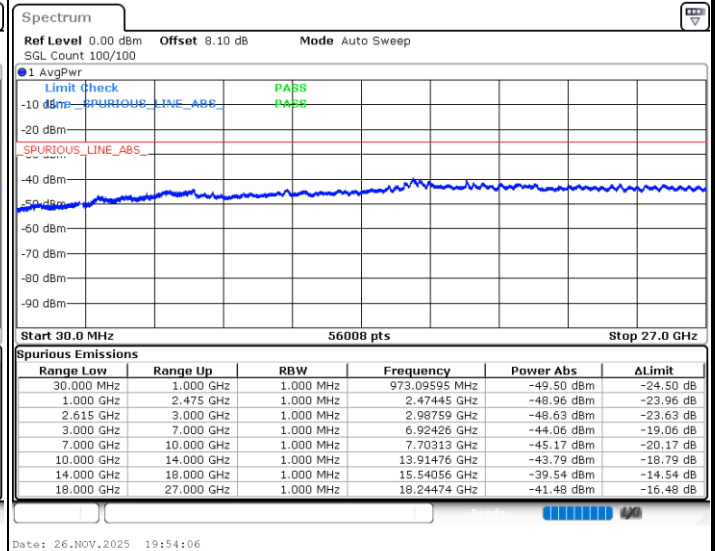
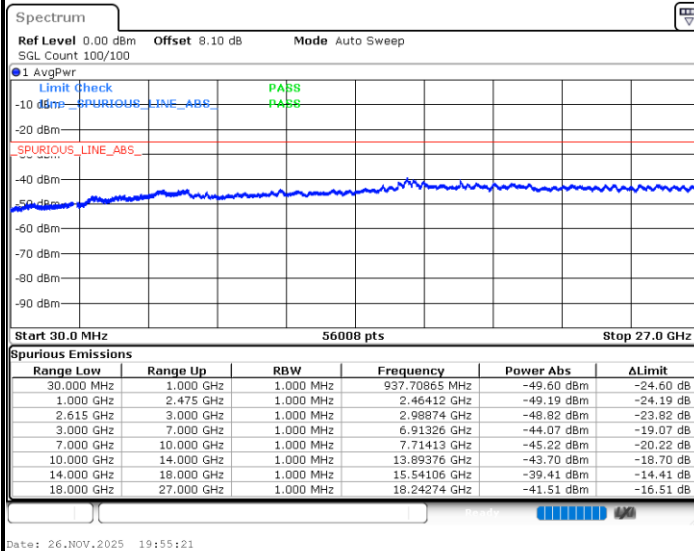


LTE Band 7C / 20MHz+10MHz

QPSK

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB99 and 1RB0



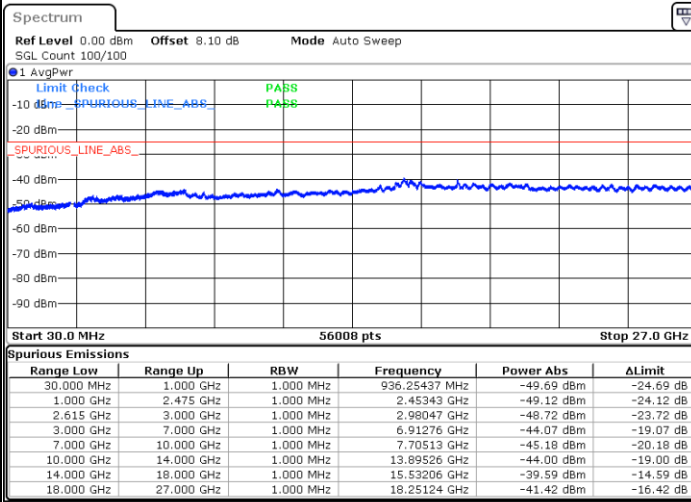


LTE Band 7C / 20MHz+15MHz

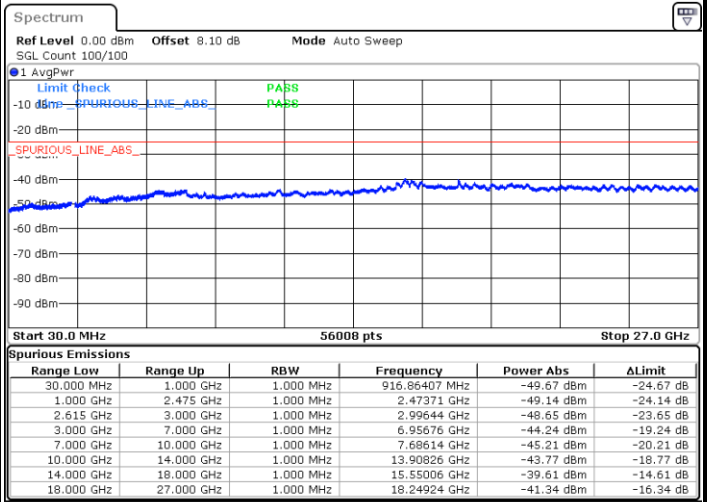
QPSK

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB99 and 1RB0



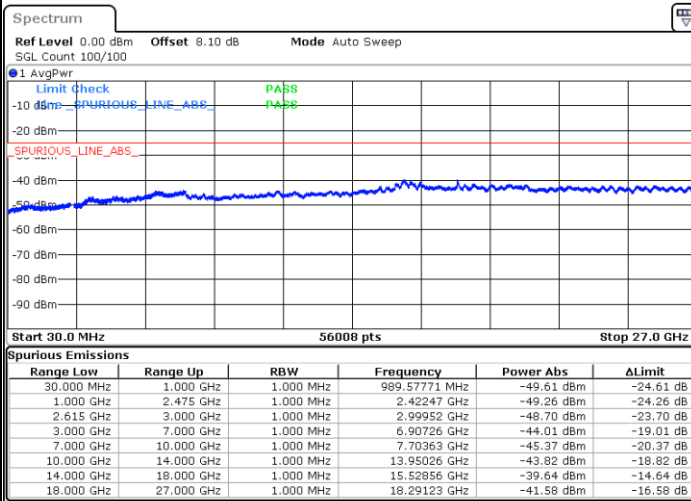
Date: 26.NOV.2025 20:23:12



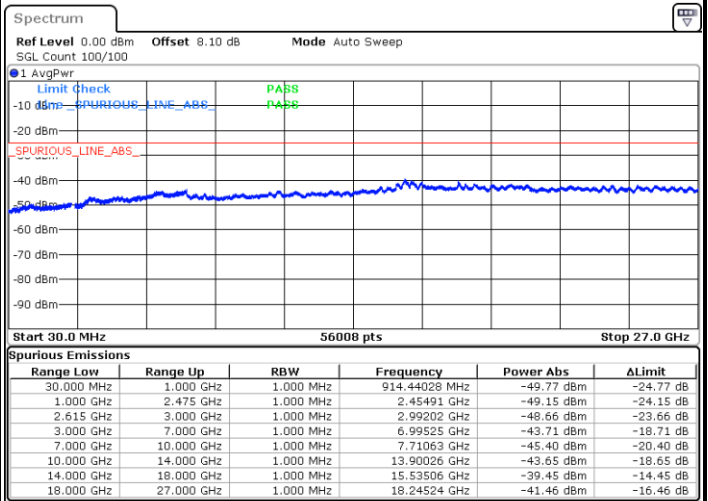
Date: 26.NOV.2025 20:21:56

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0



Date: 26.NOV.2025 20:24:28



Date: 26.NOV.2025 20:25:43

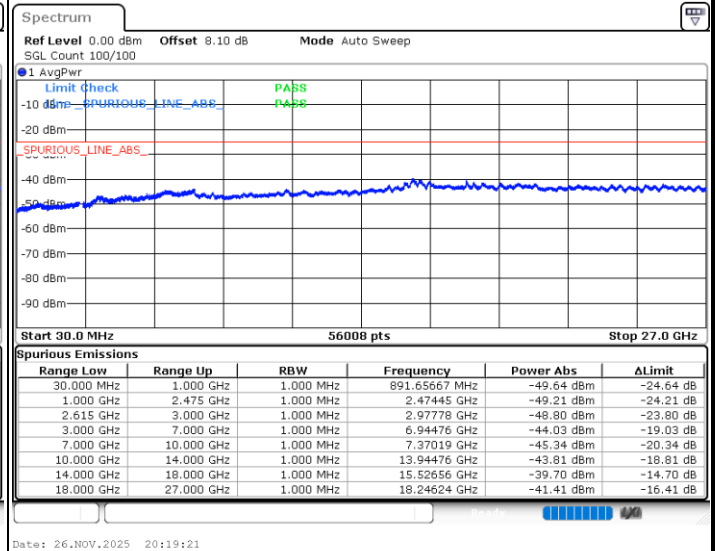
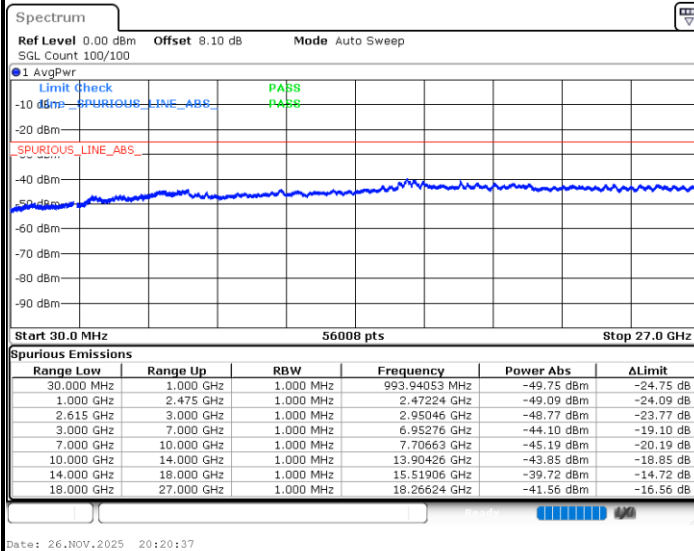


LTE Band 7C / 20MHz+15MHz

QPSK

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0



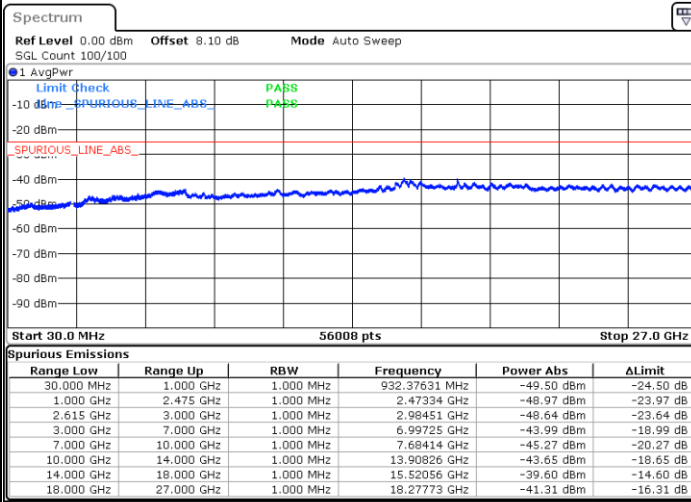


LTE Band 7C / 20MHz+20MHz

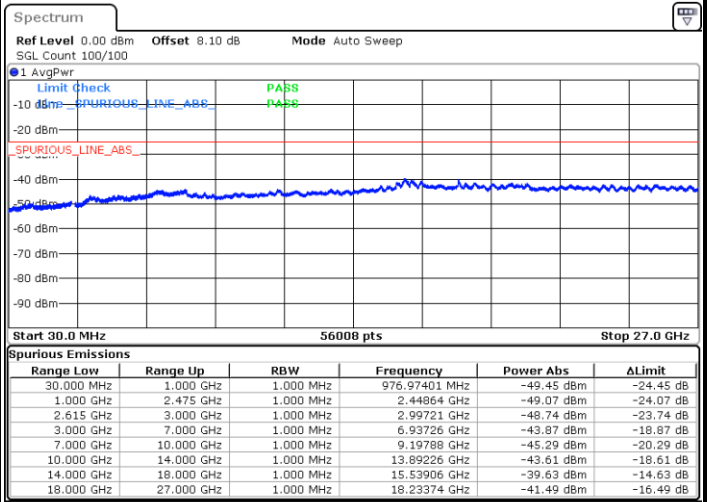
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



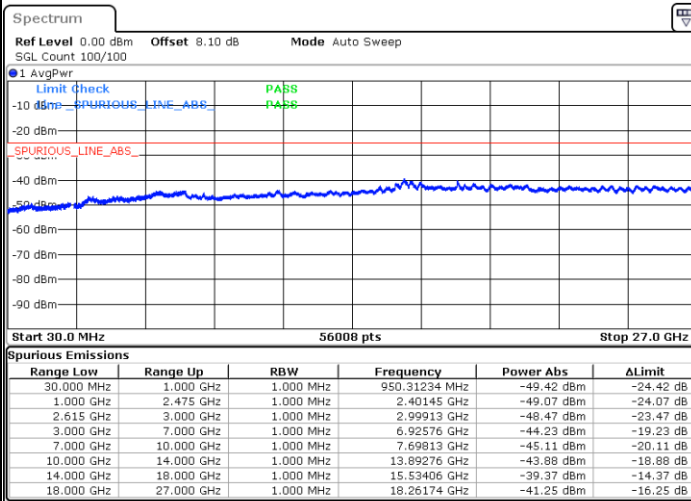
Date: 26.NOV.2025 20:30:52



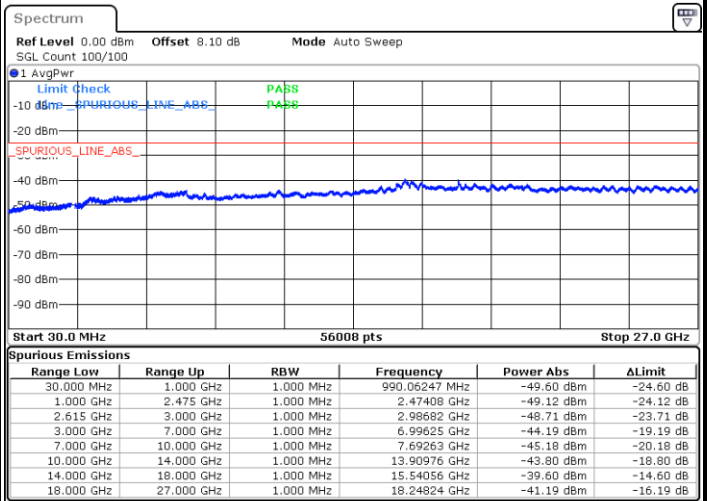
Date: 26.NOV.2025 20:29:36

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



Date: 26.NOV.2025 20:32:08



Date: 26.NOV.2025 20:33:23

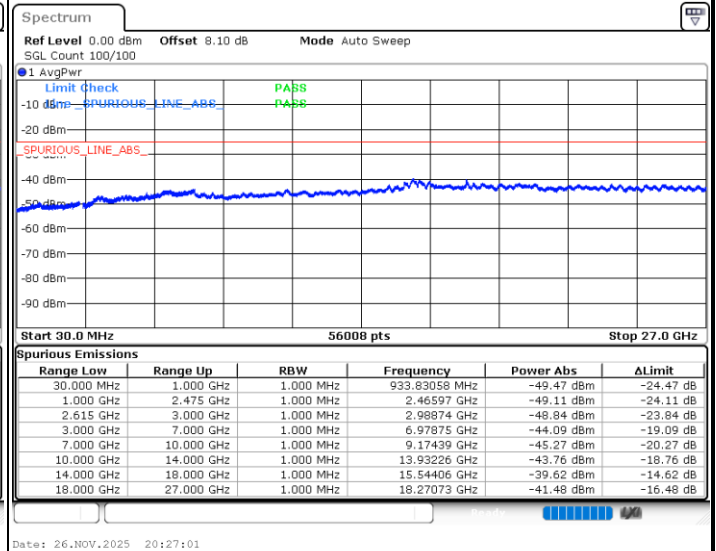
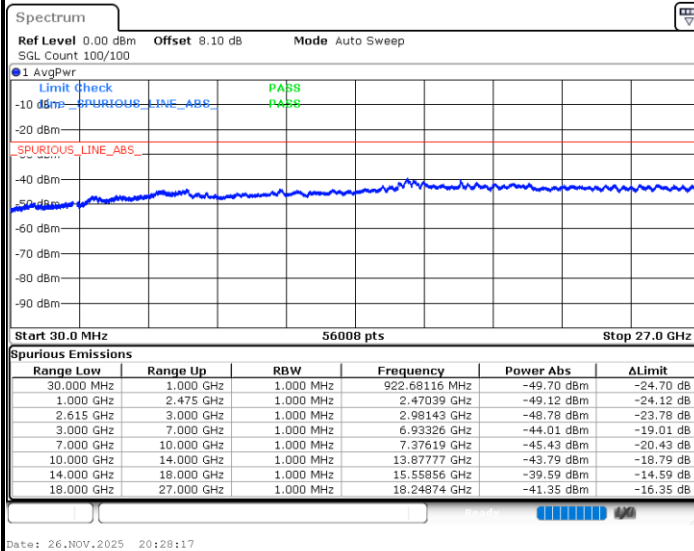


LTE Band 7C / 20MHz+20MHz

QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



LTE Band 12

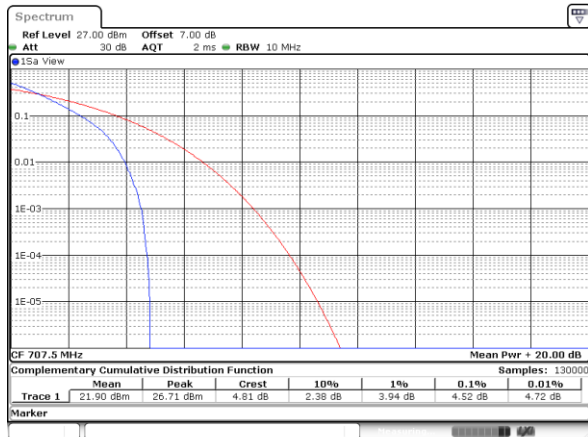
Peak-to-Average Ratio

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	4.52	5.33	6.00	6.49	PASS

Mode	LTE Band 12 / 1.4MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	4.90	5.86	PASS
Mode	LTE Band 12 / 3MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	4.67	5.59	PASS
Mode	LTE Band 12 / 5MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	4.58	5.45	PASS

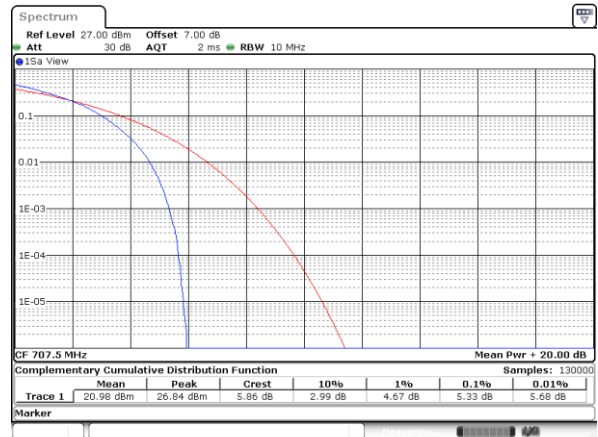
LTE Band 12 / 10MHz / QPSK

Middle Channel / Full RB



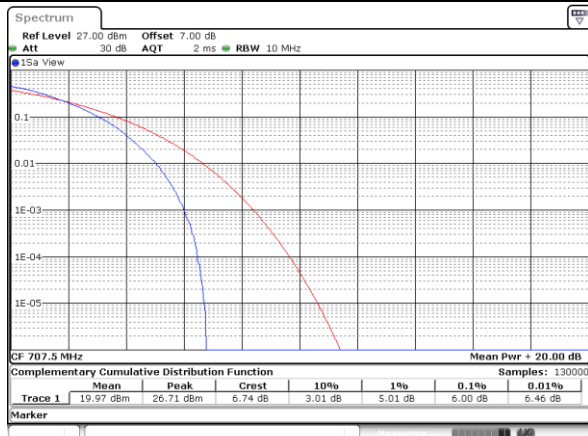
LTE Band 12 / 10MHz / 16QAM

Middle Channel / Full RB



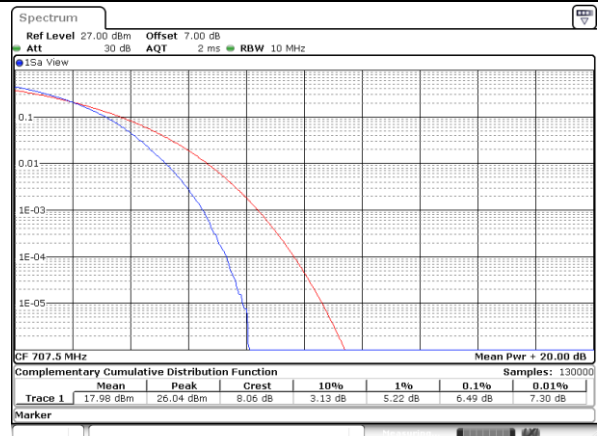
LTE Band 12 / 10MHz / 64QAM

Middle Channel / Full RB



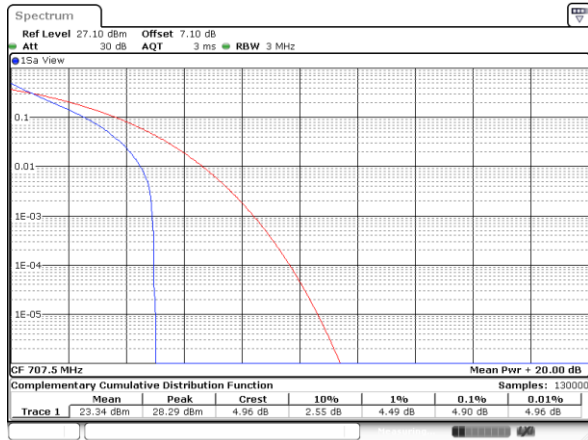
LTE Band 12 / 10MHz / 256QAM

Middle Channel / Full RB



LTE Band 12 / 1.4MHz / QPSK

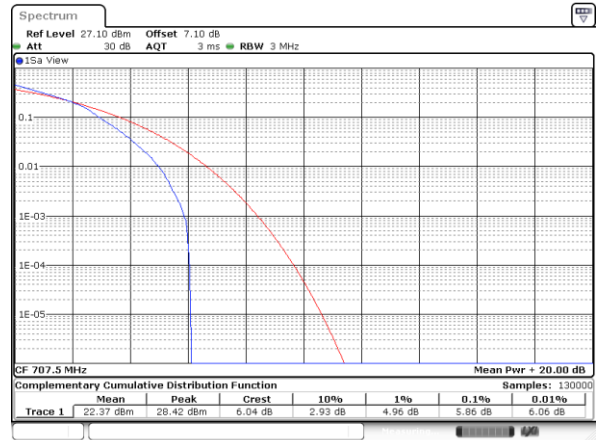
Middle Channel / Full RB



Date: 25.MAY.2026 20:39:17

LTE Band 12 / 1.4MHz / 16QAM

Middle Channel / Full RB

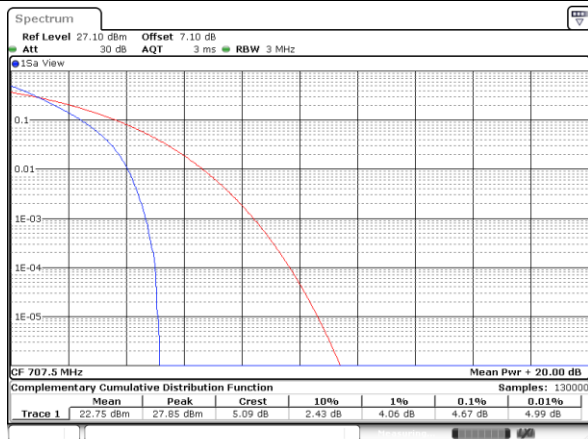


Date: 25.MAY.2026 20:38:43

LTE Band 12

LTE Band 12 / 3MHz / QPSK

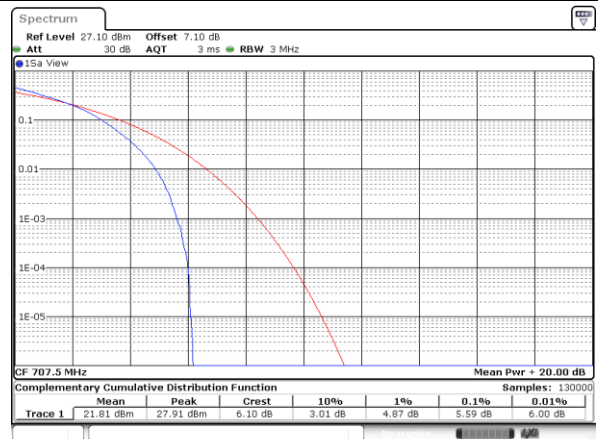
Middle Channel / Full RB



Date: 25.MAY.2026 20:40:28

LTE Band 12 / 3MHz / 16QAM

Middle Channel / Full RB



Date: 25.MAY.2026 20:39:53



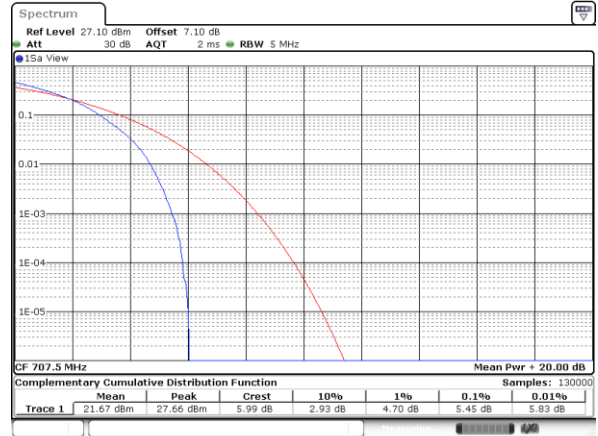
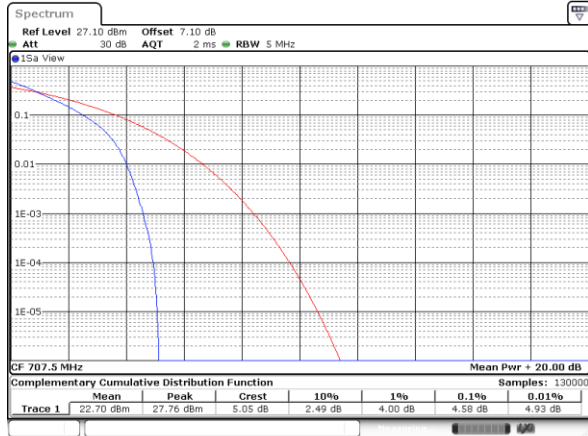
LTE Band 12

LTE Band 12 / 5MHz / QPSK

LTE Band 12 / 5MHz / 16QAM

Middle Channel / Full RB

Middle Channel / Full RB





LTE Band 12
1200 MHz

Middle Channel / 1.4MHz / QPSK

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	706.87560 MHz	-8.94 dBm		
D2	M1	1	1.26840 MHz	-0.29 dB		

Date: 27.NOV.2025 21:17:58

Middle Channel / 1.4MHz / 16QAM

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	706.87840 MHz	-10.81 dBm		
D2	M1	1	1.27960 MHz	-0.00 dB		

Date: 27.NOV.2025 21:18:12

Middle Channel / 3MHz / QPSK

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	706.01200 MHz	-8.73 dBm		
D2	M1	1	2.98800 MHz	-0.07 dB		

Date: 27.NOV.2025 21:19:20

Middle Channel / 3MHz / 16QAM

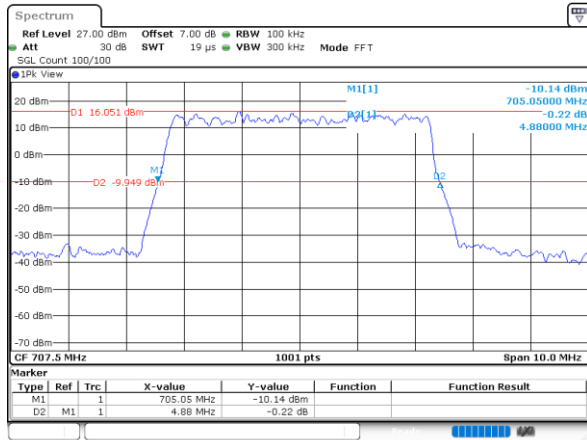
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	706.01200 MHz	-9.10 dBm		
D2	M1	1	2.97600 MHz	-0.57 dB		

Date: 27.NOV.2025 21:19:42

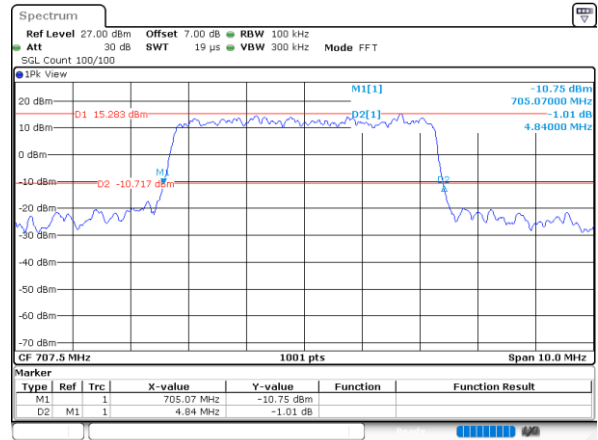


LTE Band 12

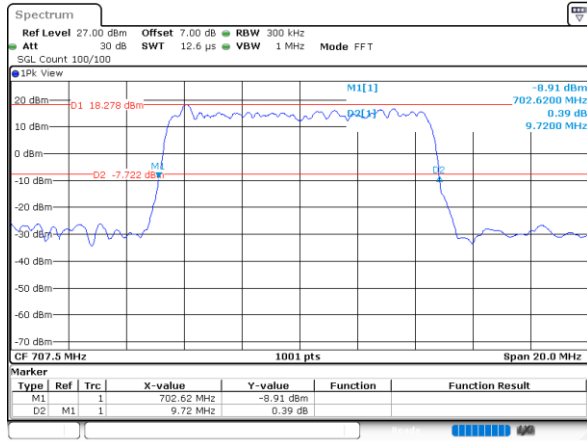
Middle Channel / 5MHz / QPSK



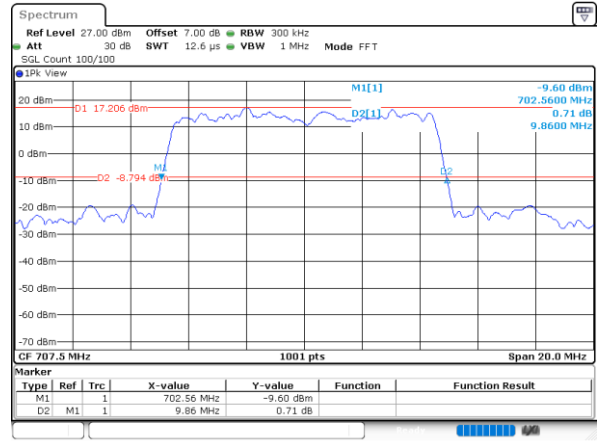
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK



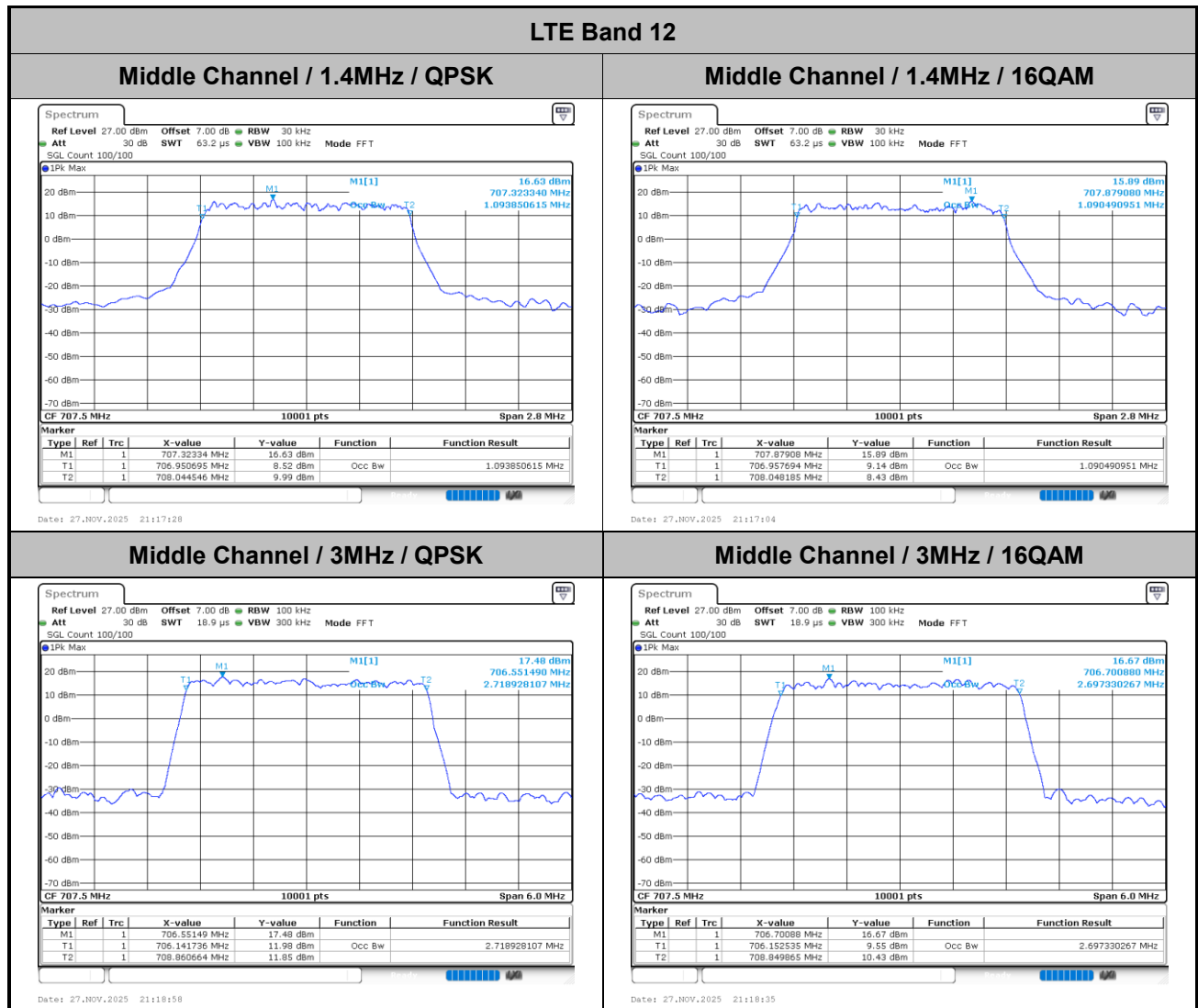
Middle Channel / 10MHz / 16QAM





Occupied Bandwidth

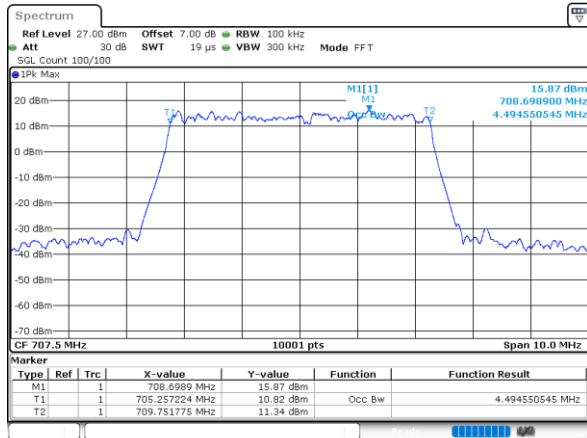
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.09	2.71	2.69	4.49	4.49	9.03	9.00	-	-	-	-



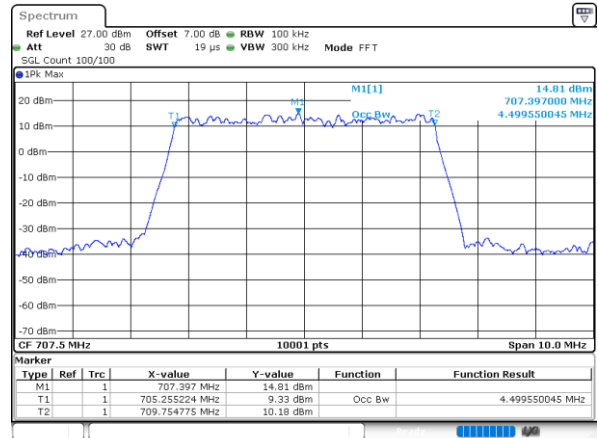


LTE Band 12

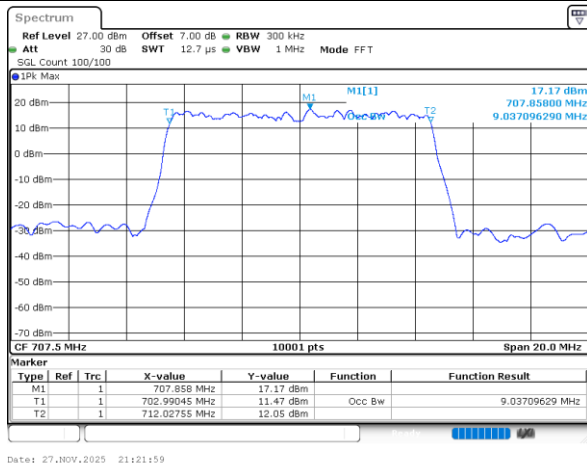
Middle Channel / 5MHz / QPSK



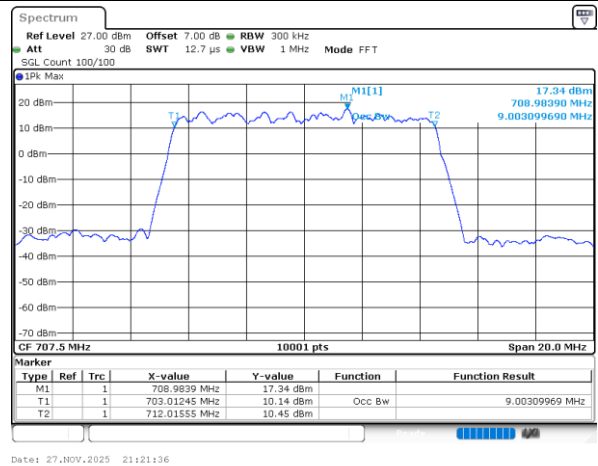
Middle Channel / 5MHz / 16QAM

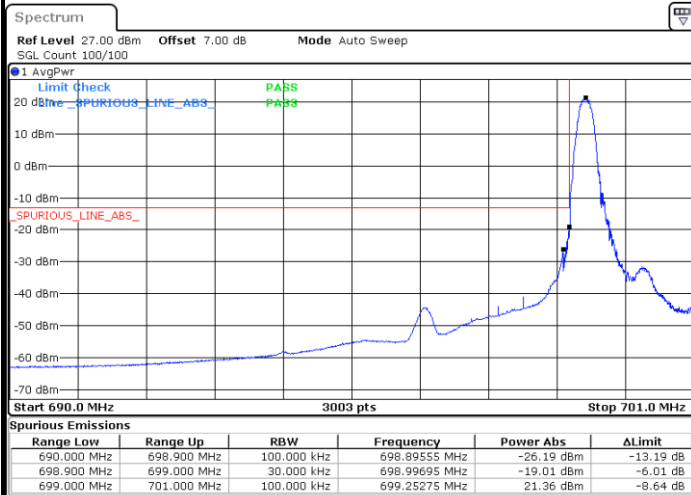
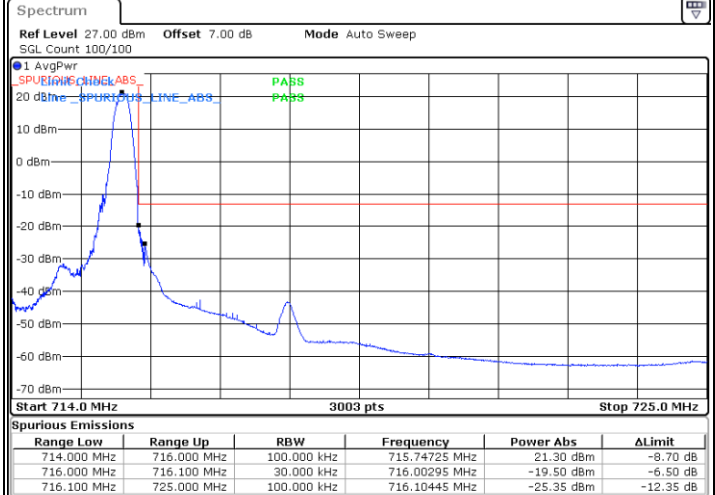
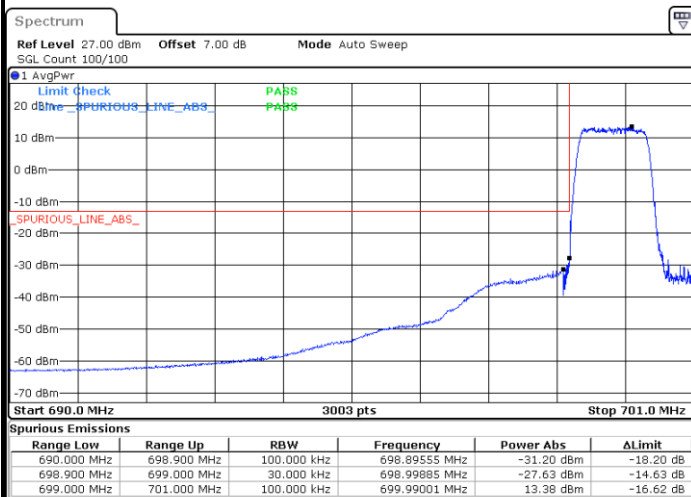
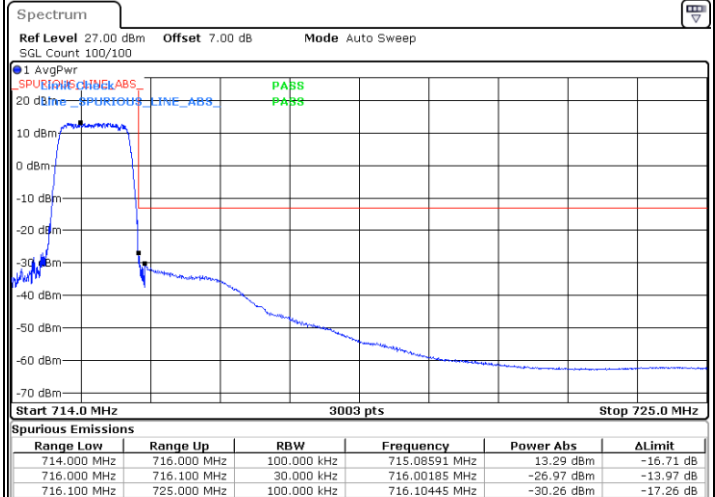


Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM

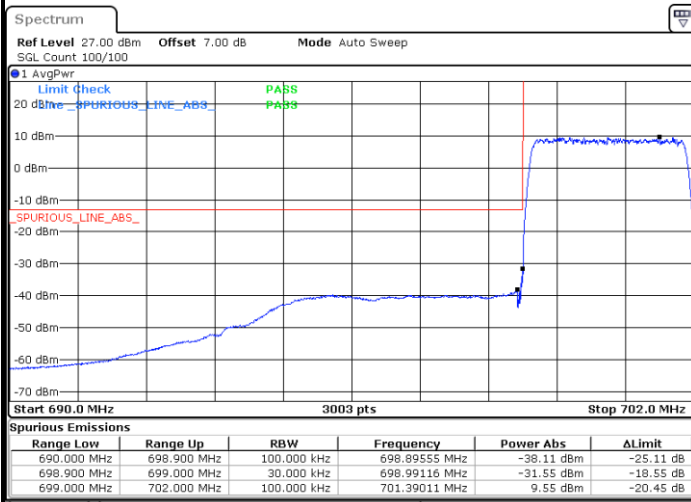


**Conducted Band Edge****LTE Band 12 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

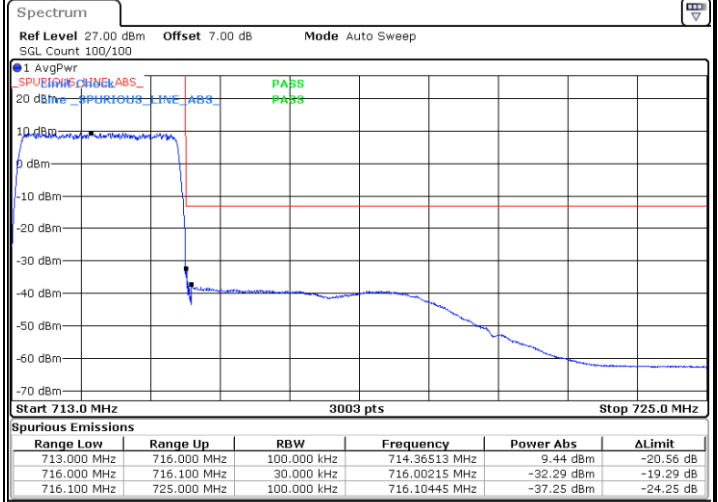


LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / Full RB

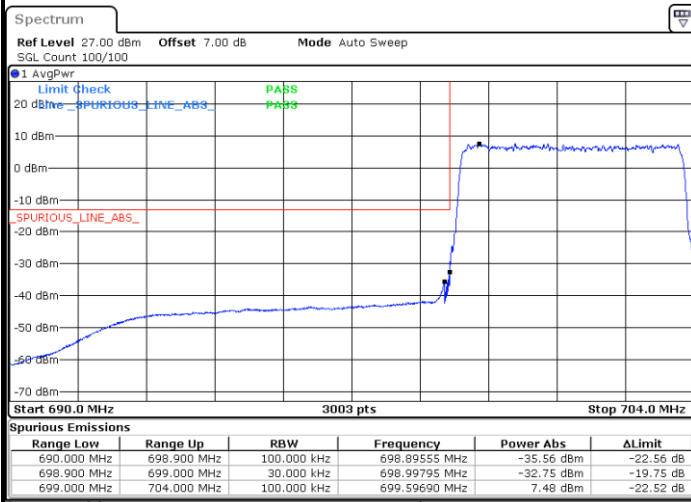


Highest Band Edge / Full RB

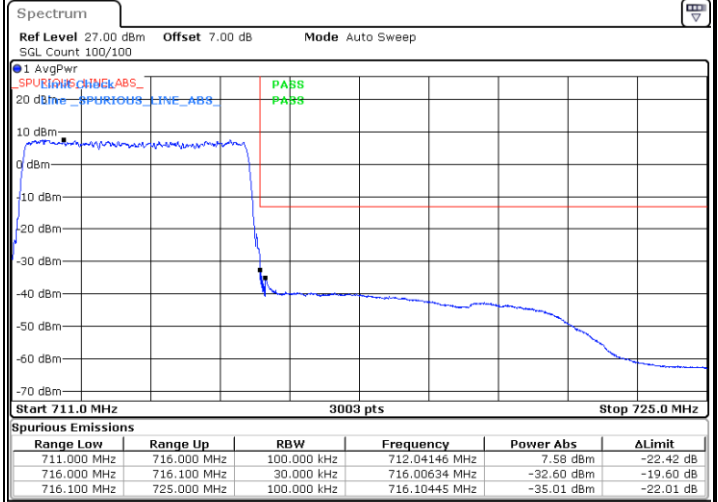


LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

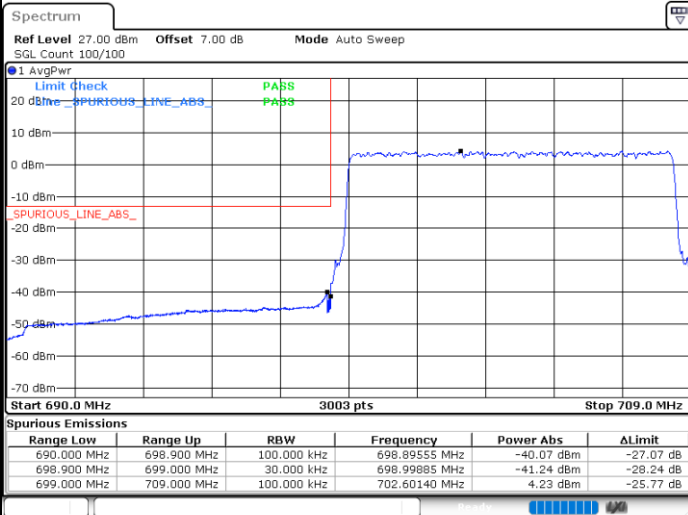




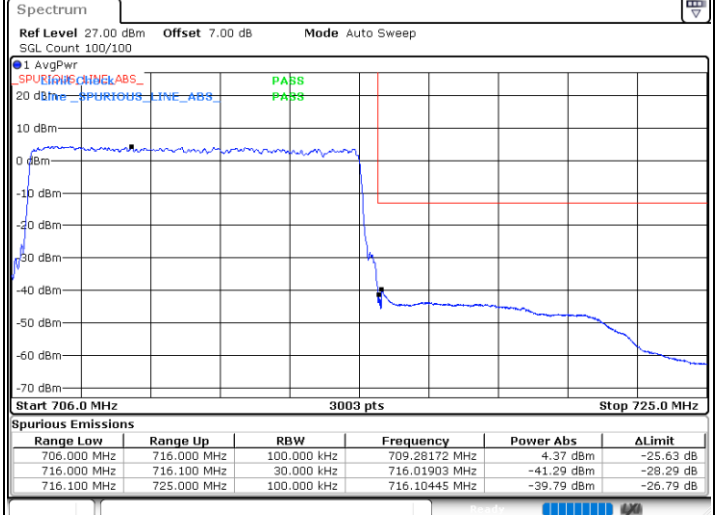
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27.NOV.2025 22:01:38



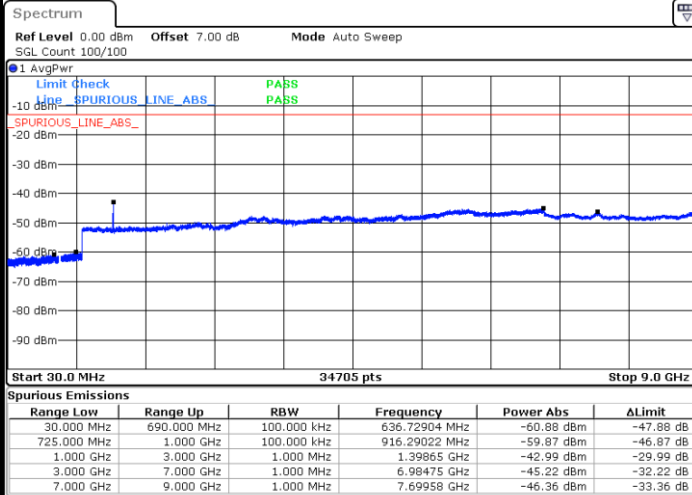
Date: 27.NOV.2025 22:08:57



Conducted Spurious Emission

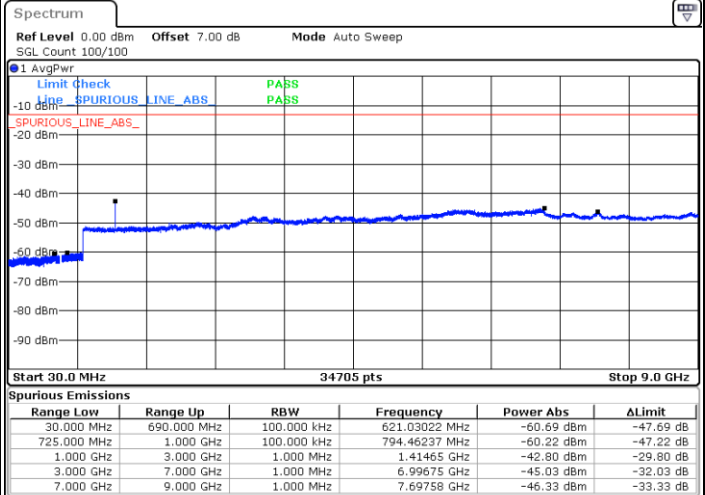
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



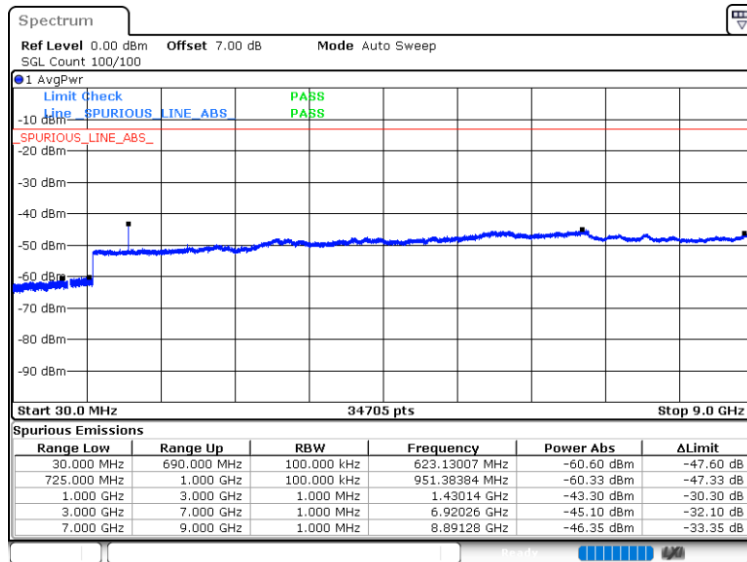
Date: 27.NOV.2025 21:29:24

Middle Channel / QPSK



Date: 27.NOV.2025 21:31:42

Highest Channel / QPSK

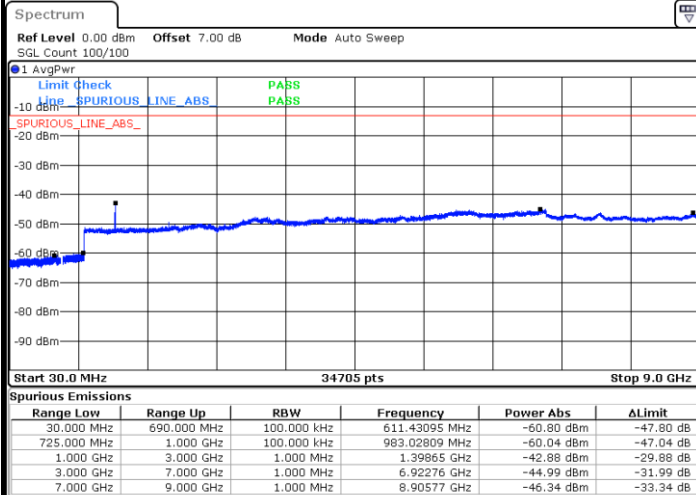


Date: 27.NOV.2025 21:48:51



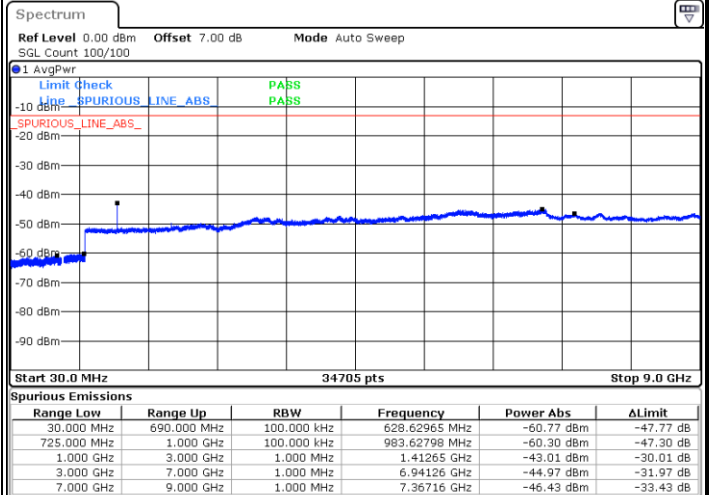
LTE Band 12 / 3MHz

Lowest Channel / QPSK



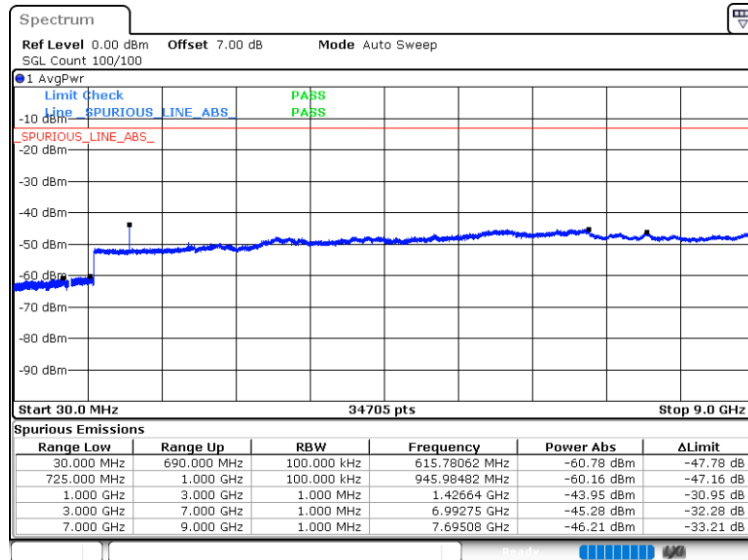
Date: 27.NOV.2025 22:11:04

Middle Channel / QPSK



Date: 27.NOV.2025 22:13:38

Highest Channel / QPSK

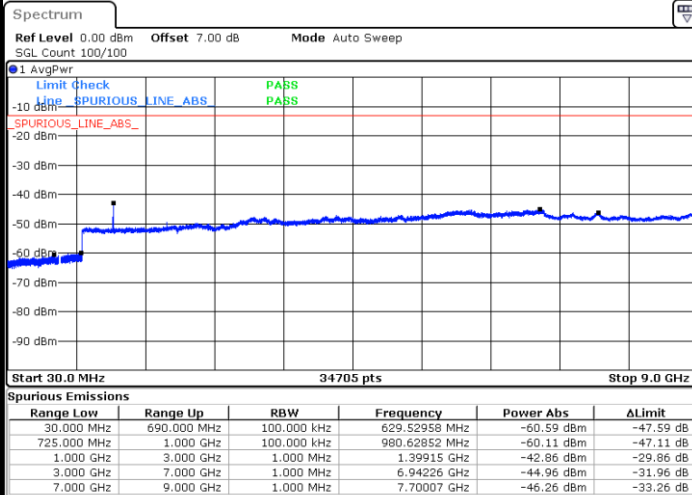


Date: 28.NOV.2025 07:34:05



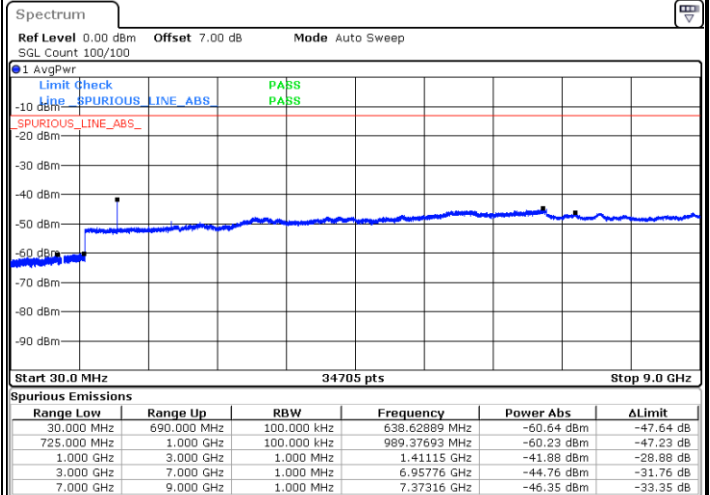
LTE Band 12 / 5MHz

Lowest Channel / QPSK



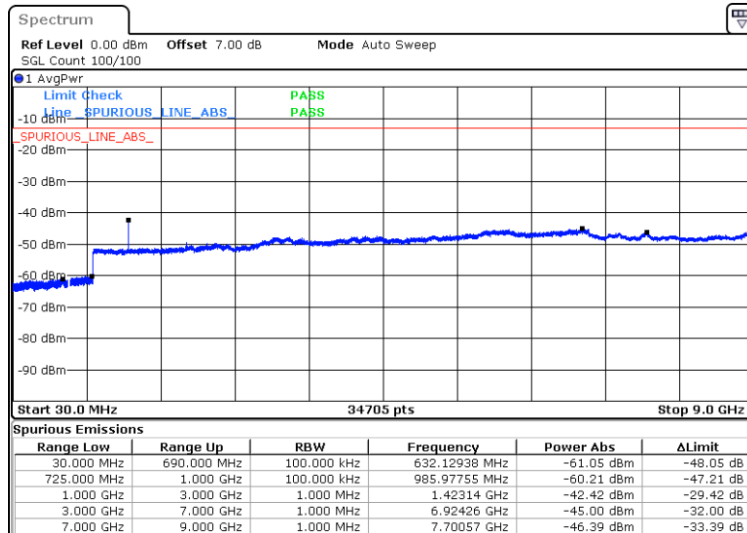
Date: 28.NOV.2025 07:35:18

Middle Channel / QPSK



Date: 28.NOV.2025 07:36:30

Highest Channel / QPSK

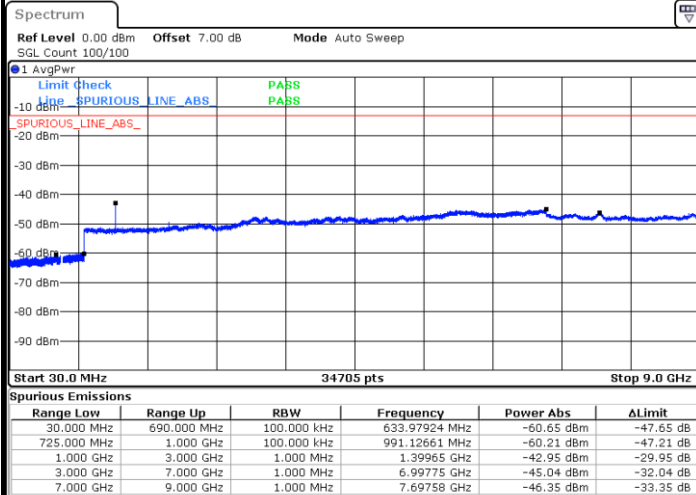


Date: 28.NOV.2025 07:37:42



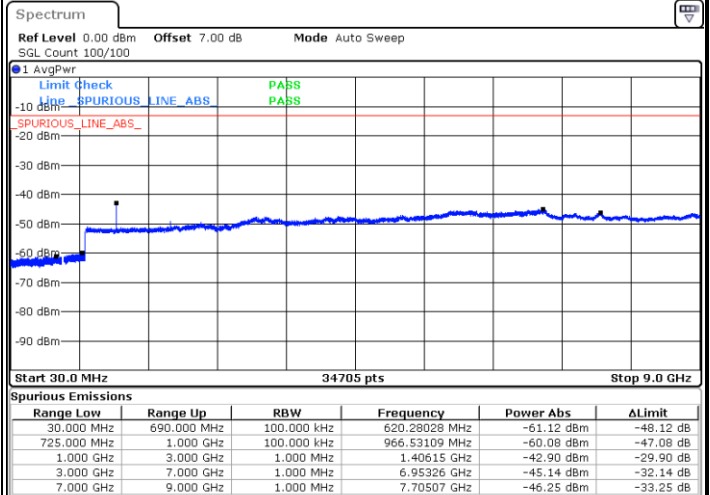
LTE Band 12 / 10MHz

Lowest Channel / QPSK



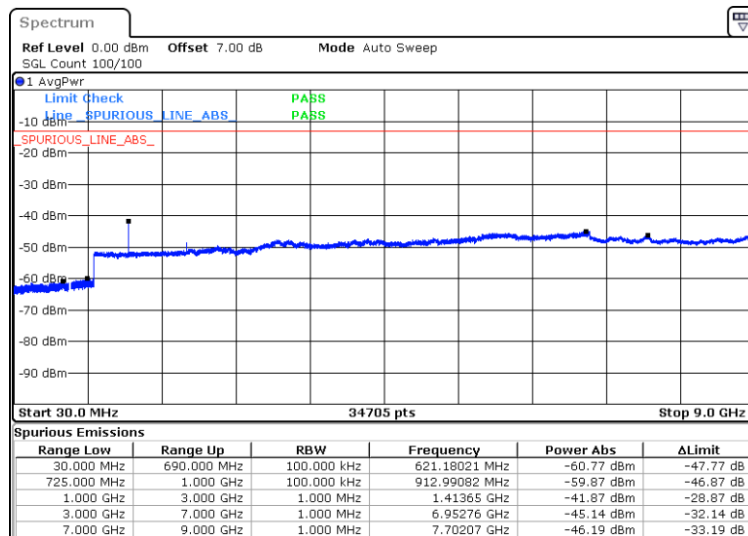
Date: 28.NOV.2025 07:38:56

Middle Channel / QPSK



Date: 28.NOV.2025 07:40:08

Highest Channel / QPSK



Date: 28.NOV.2025 07:41:20

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel / BandWidth 10M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0024	1.7	Yes	PASS
40	Normal Voltage	0.0102	-7.2	Yes	
30	Normal Voltage	0.0071	5	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0164	-11.6	Yes	
0	Normal Voltage	0.0150	-10.6	Yes	
-10	Normal Voltage	0.0192	-13.6	Yes	
-20	Normal Voltage	0.0088	-6.2	Yes	
-30	Normal Voltage	0.0090	-6.4	Yes	
20	Maximum Voltage	0.0124	-8.8	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0105	-7.4	Yes	

Note:

1. Normal Voltage = 3.9 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.
3. The frequency variation is sufficient to ensure that the occupied bandwidth of all operation channels stay within the operating frequency block or frequency block group.



LTE Band 13

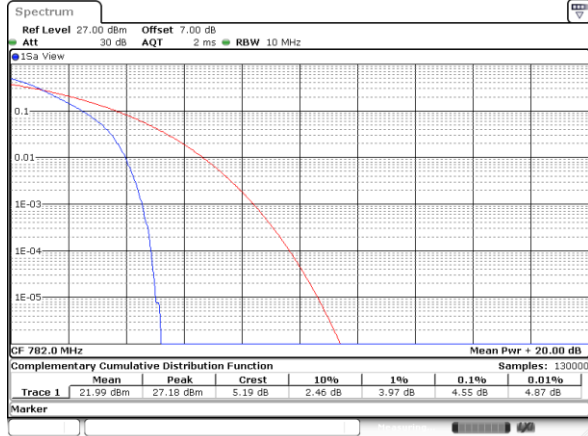
Peak-to-Average Ratio

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	4.55	5.42	5.94	6.43	PASS

Mode	LTE Band 13 / 5MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	4.55	5.57	PASS

LTE Band 13 / 10MHz / QPSK

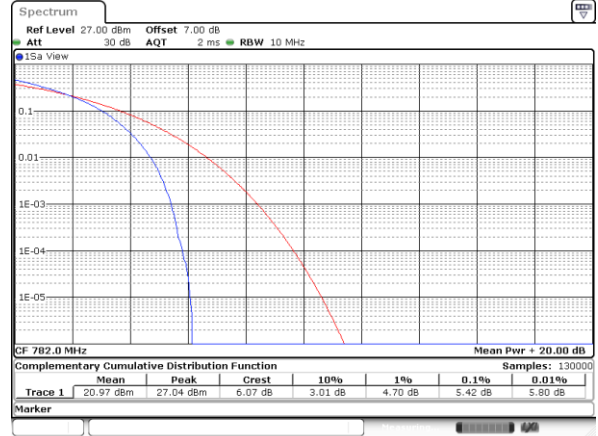
Middle Channel / Full RB



Date: 28.NOV.2025 12:12:01

LTE Band 13 / 10MHz / 16QAM

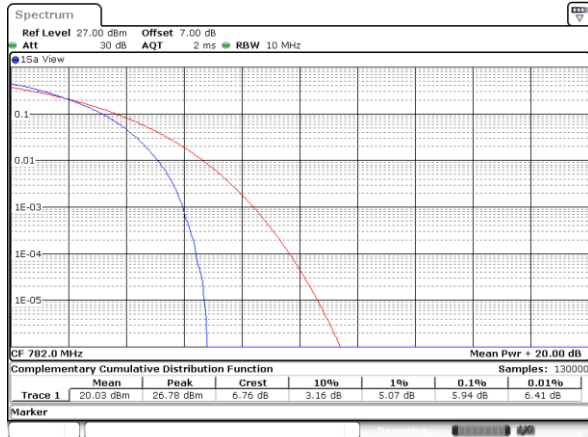
Middle Channel / Full RB



Date: 28.NOV.2025 12:12:25

LTE Band 13 / 10MHz / 64QAM

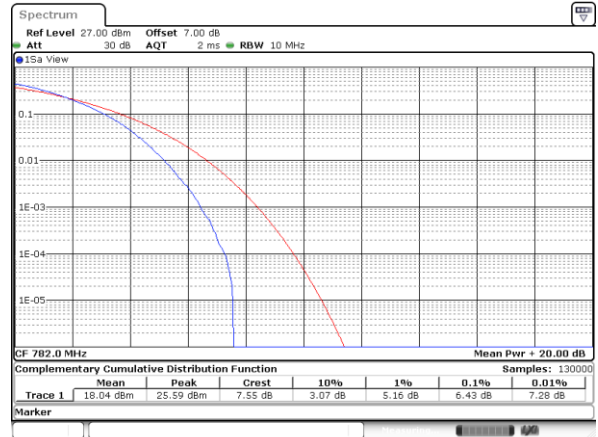
Middle Channel / Full RB



Date: 28.NOV.2025 12:12:49

LTE Band 13 / 10MHz / 256QAM

Middle Channel / Full RB

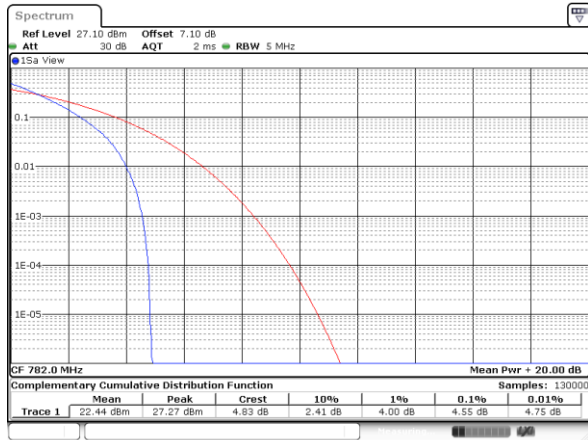


Date: 28.NOV.2025 12:13:13



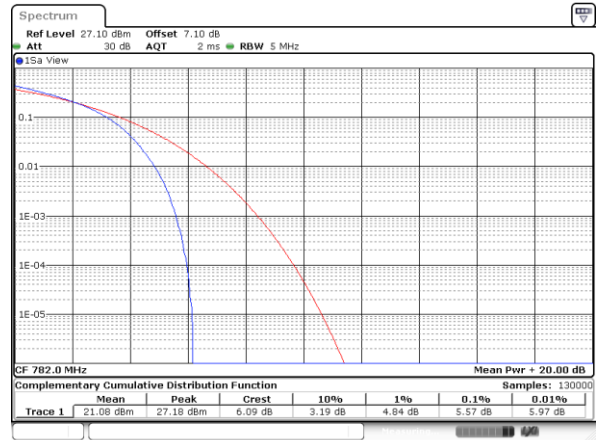
LTE Band 13 / 5MHz / QPSK

Middle Channel / Full RB



LTE Band 13 / 5MHz / 16QAM

Middle Channel / Full RB



**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	-	-	-	-	4.87	4.90	9.80	9.98	-	-	-	-

