

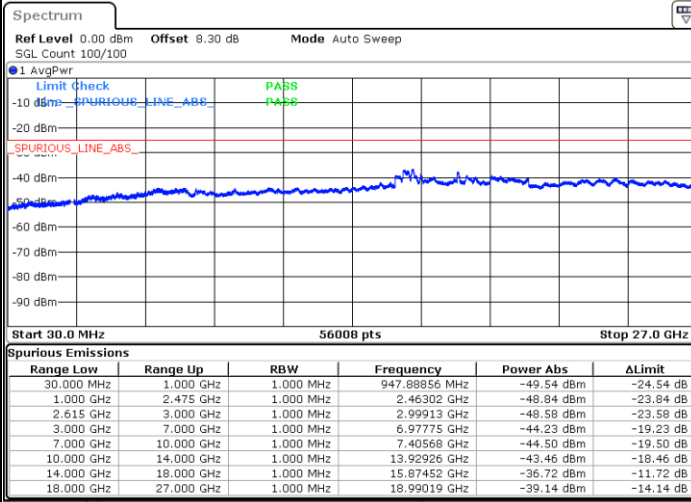


LTE Band 7C / 20MHz+15MHz

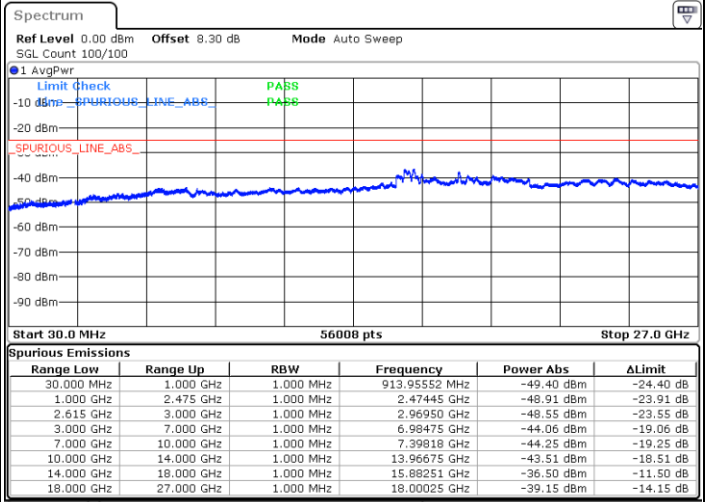
QPSK

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB99 and 1RB0



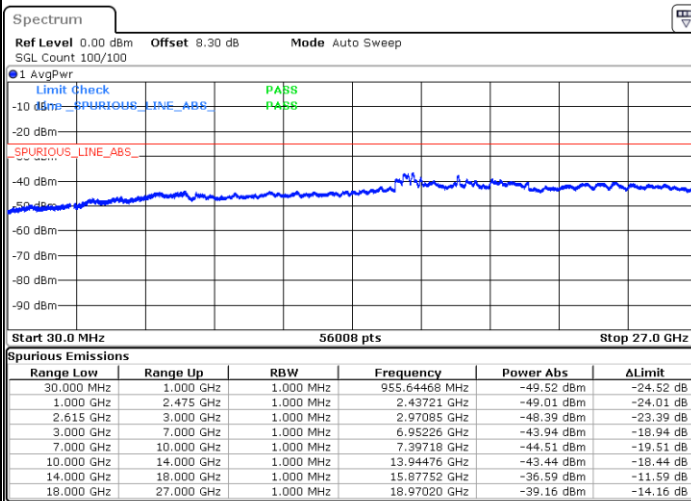
Date: 9.DEC.2025 08:25:53



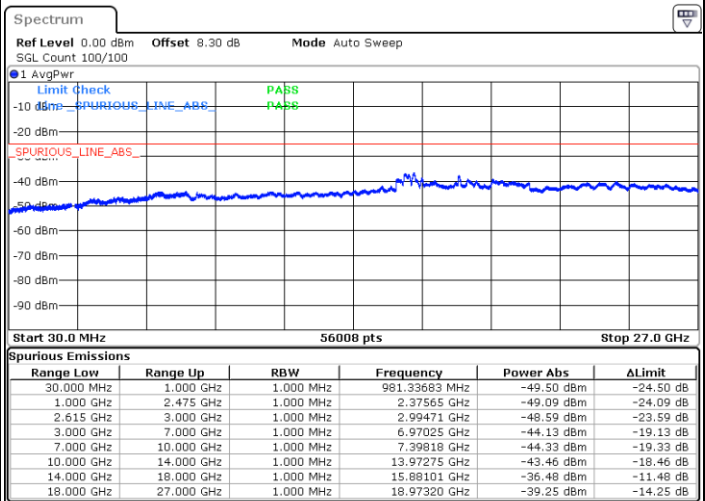
Date: 9.DEC.2025 08:24:16

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0



Date: 9.DEC.2025 08:27:31



Date: 9.DEC.2025 08:29:08

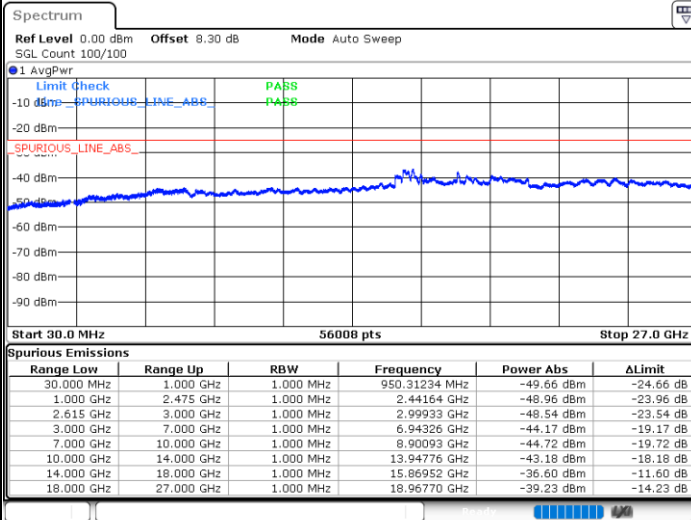


LTE Band 7C / 20MHz+15MHz

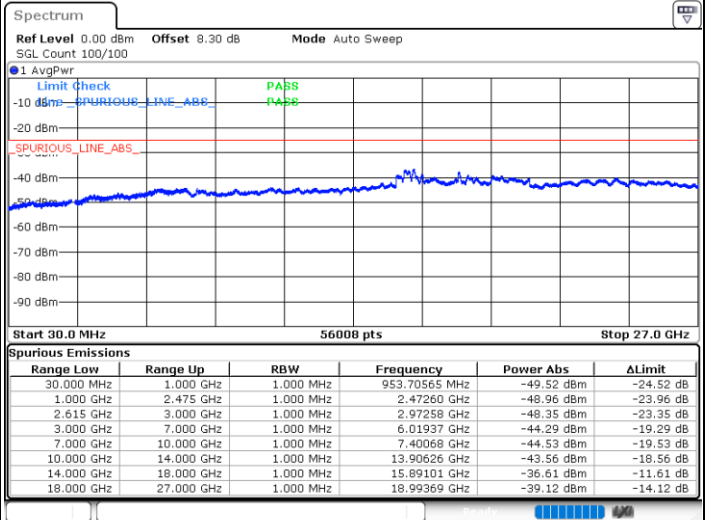
QPSK

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0



Date: 9.DEC.2025 08:22:34



Date: 9.DEC.2025 08:20:57

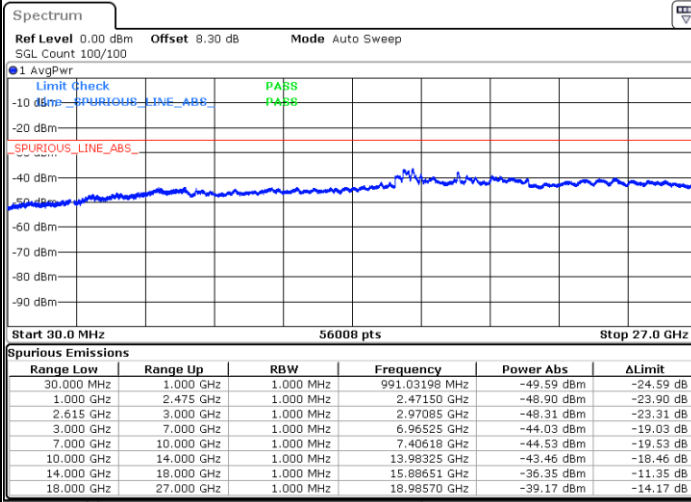


LTE Band 7C / 20MHz+20MHz

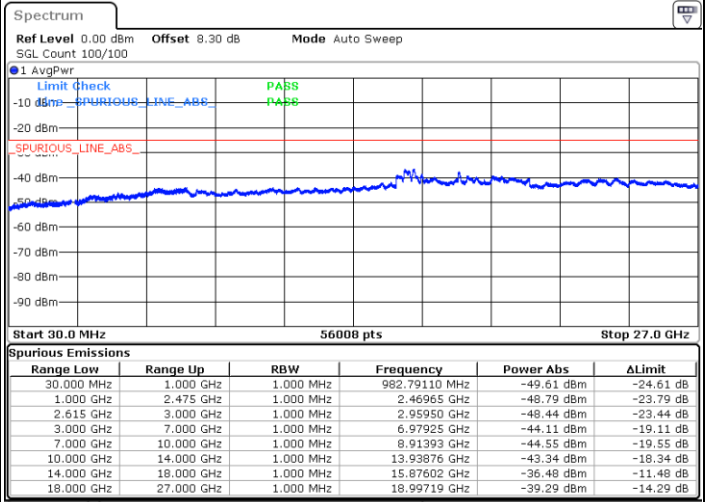
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



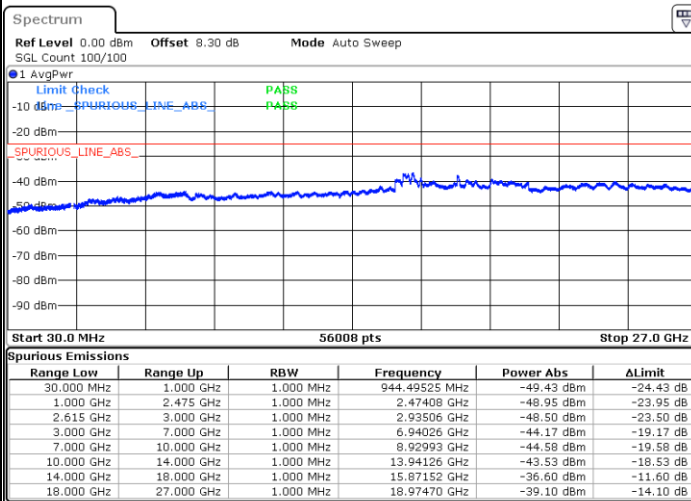
Date: 9.DEC.2025 08:35:44



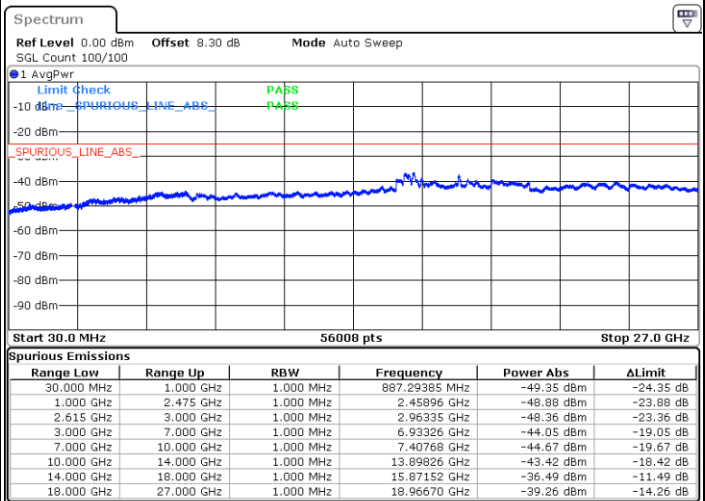
Date: 9.DEC.2025 08:34:08

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



Date: 9.DEC.2025 08:37:18



Date: 9.DEC.2025 08:38:54

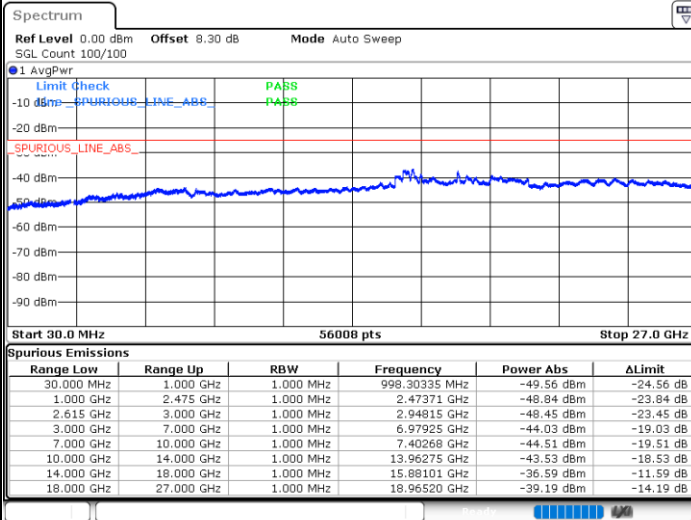


LTE Band 7C / 20MHz+20MHz

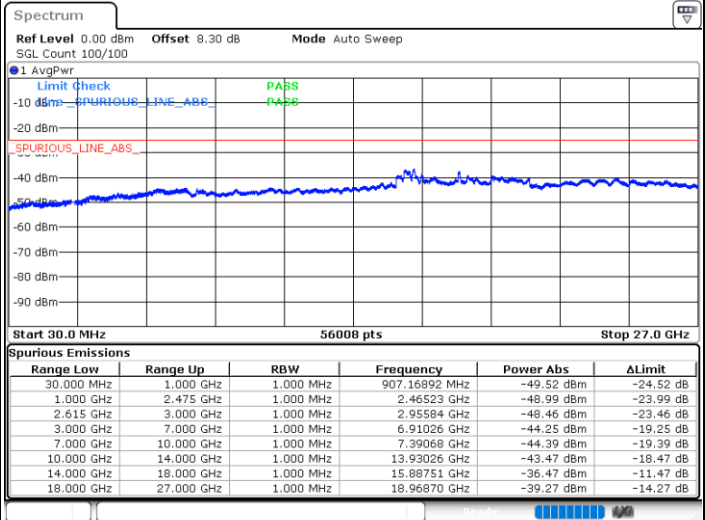
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



Date: 9.DEC.2025 08:32:26



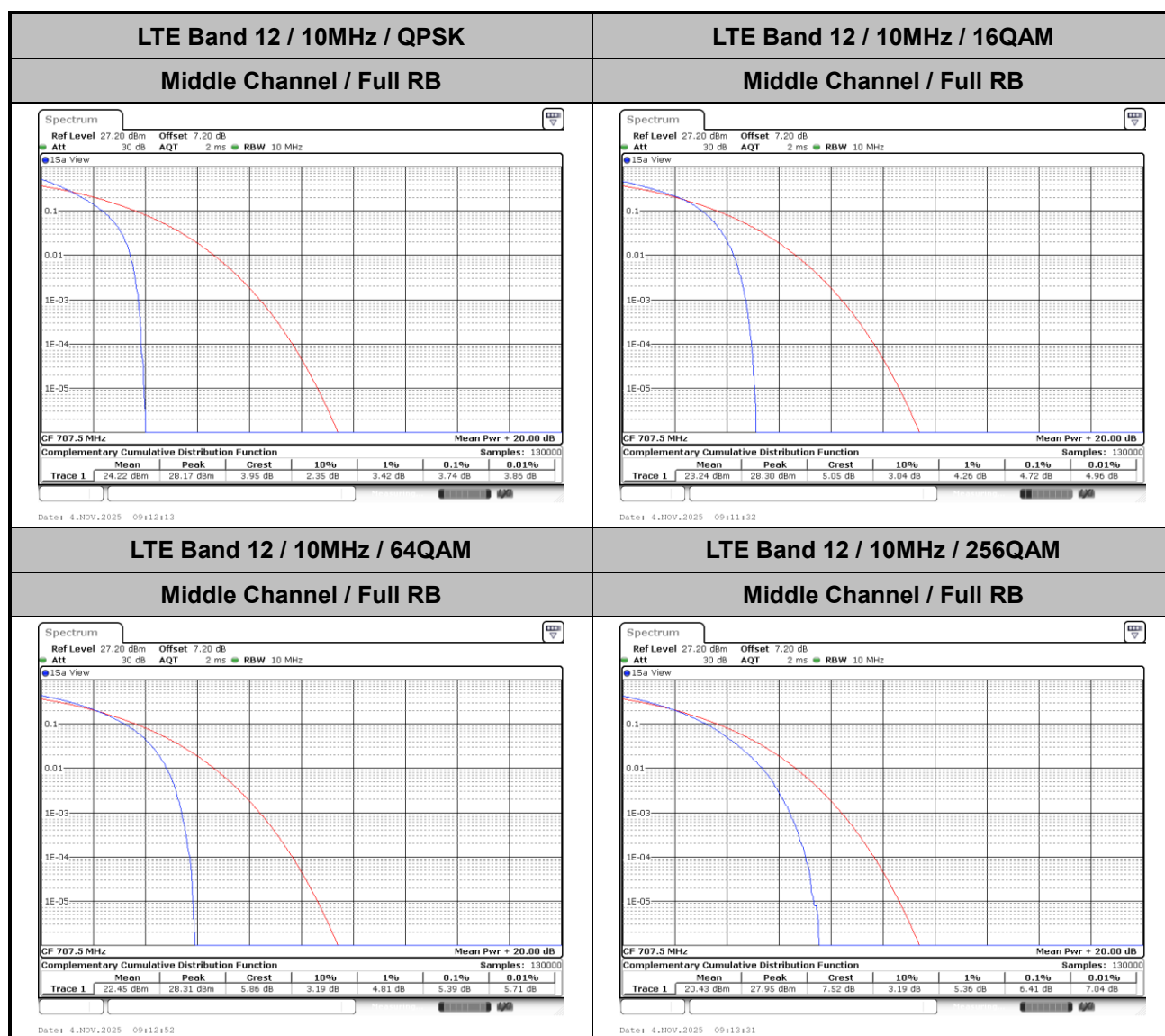
Date: 9.DEC.2025 08:30:49



LTE Band 12

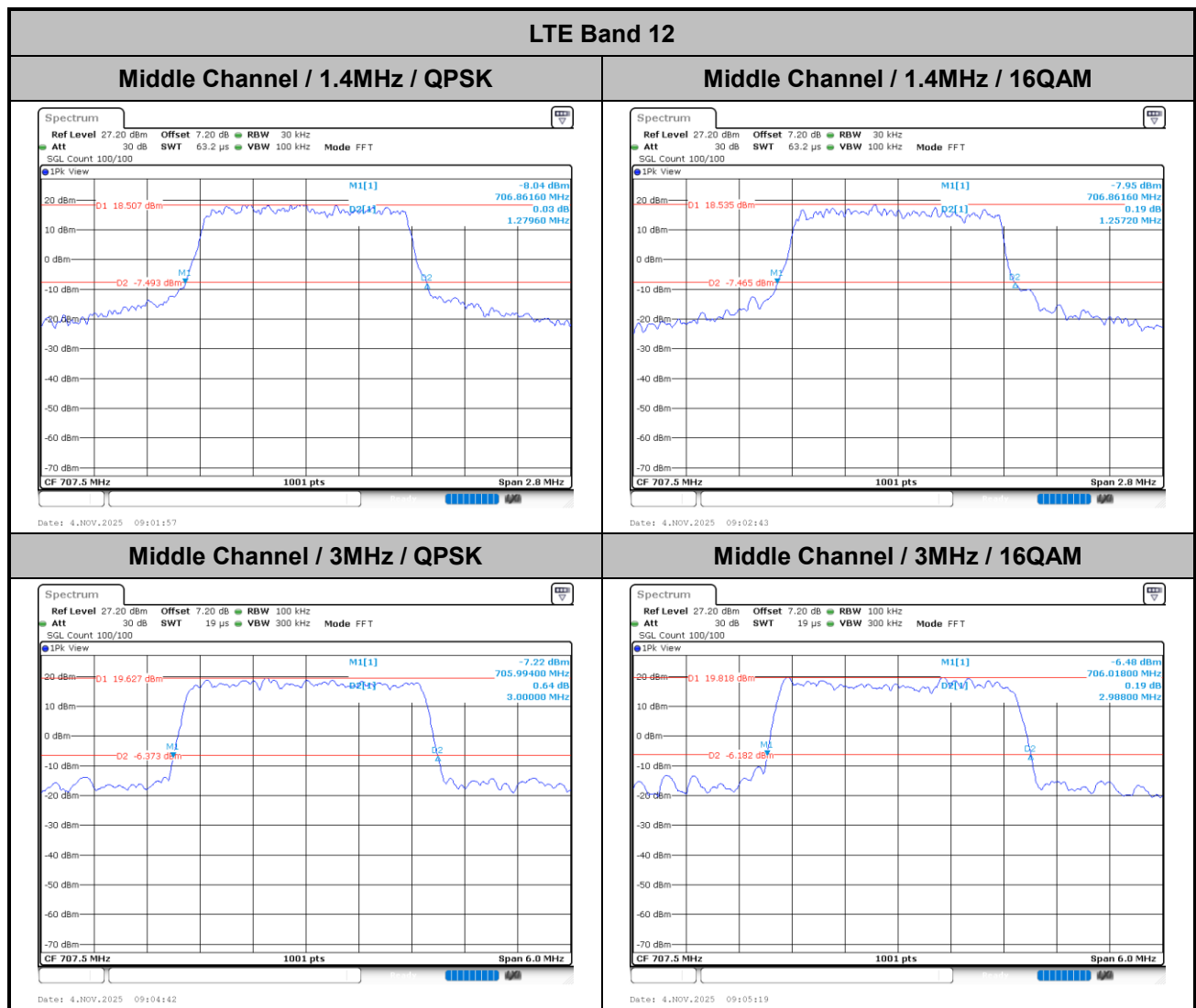
Peak-to-Average Ratio

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	3.74	4.72	5.39	6.41	PASS



**26dB Bandwidth**

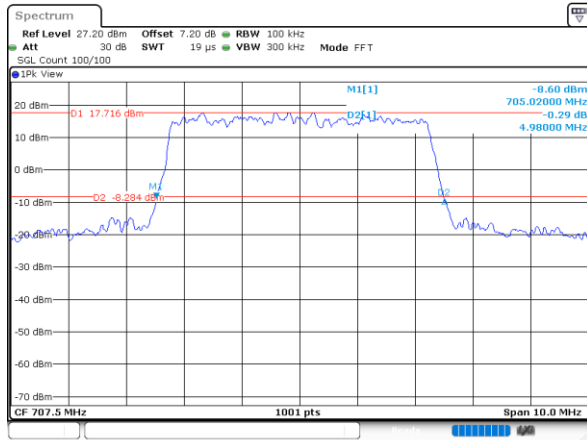
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.27	1.25	3.00	2.98	4.98	4.81	9.68	9.96	-	-	-	-



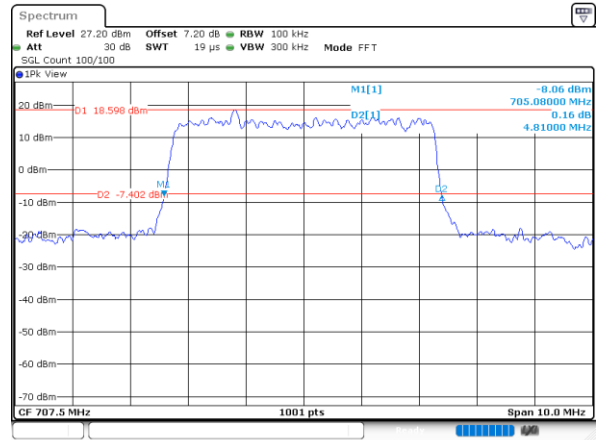


LTE Band 12

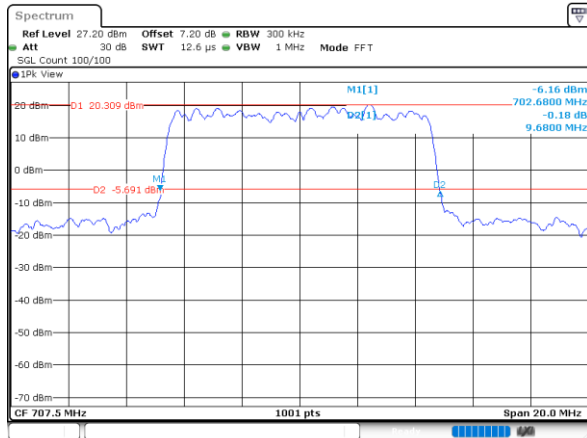
Middle Channel / 5MHz / QPSK



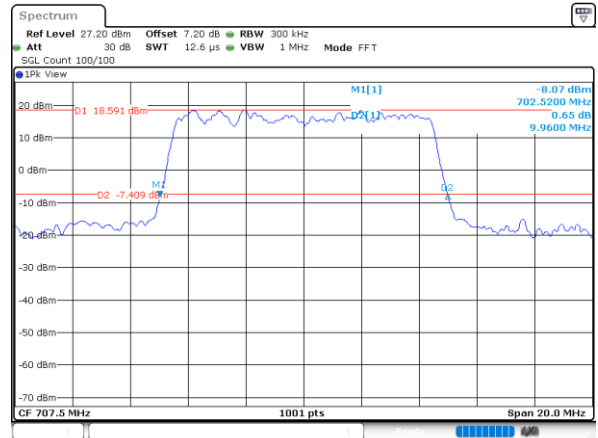
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK



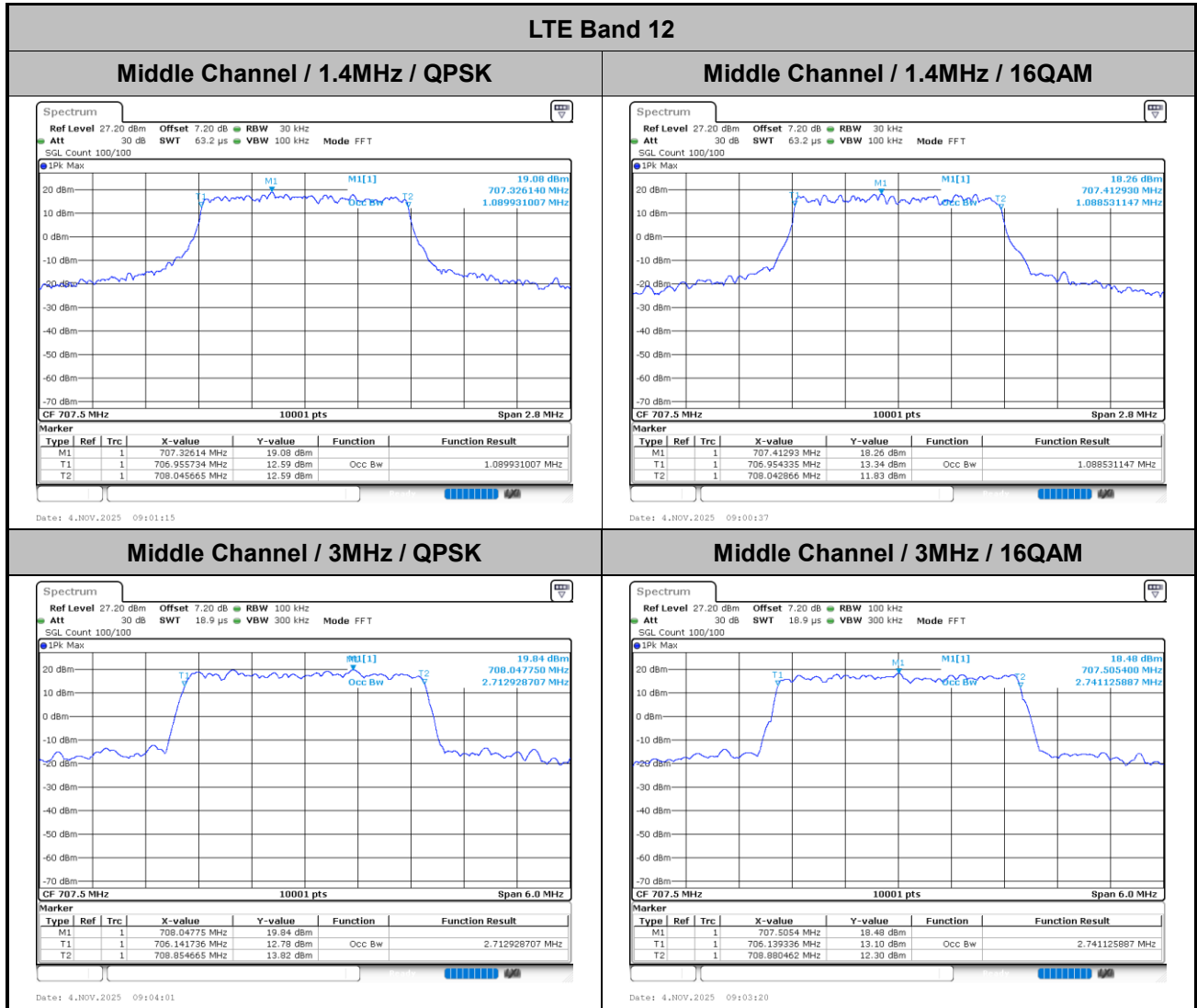
Middle Channel / 10MHz / 16QAM





Occupied Bandwidth

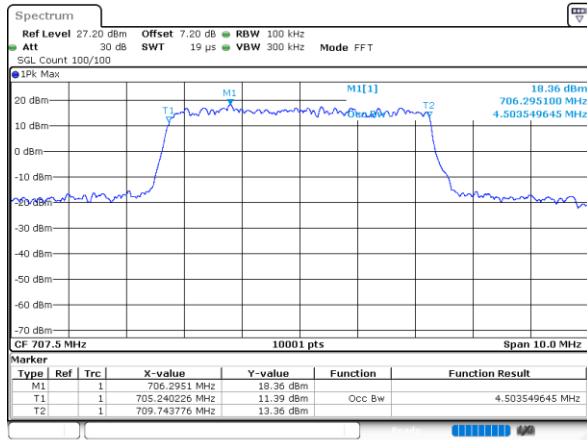
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.08	1.08	2.71	2.74	4.50	4.50	9.03	9.06	-	-	-	-



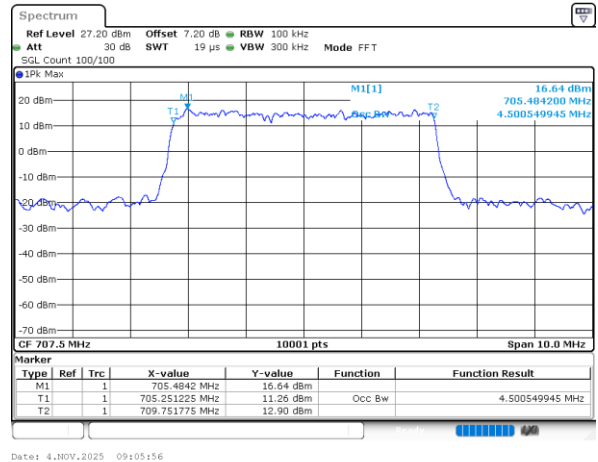


LTE Band 12

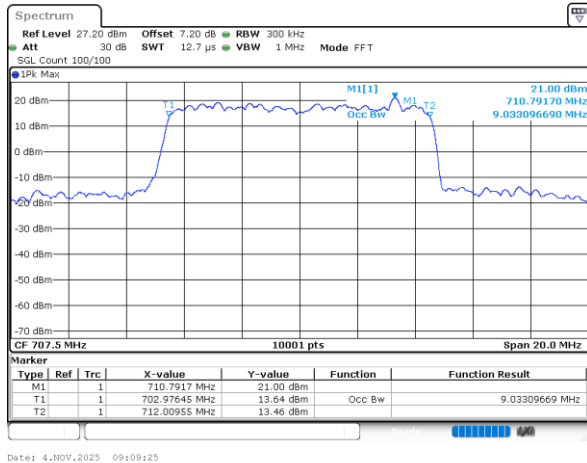
Middle Channel / 5MHz / QPSK



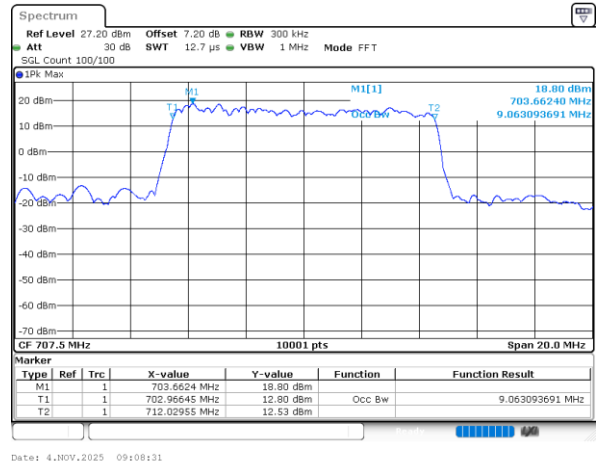
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM

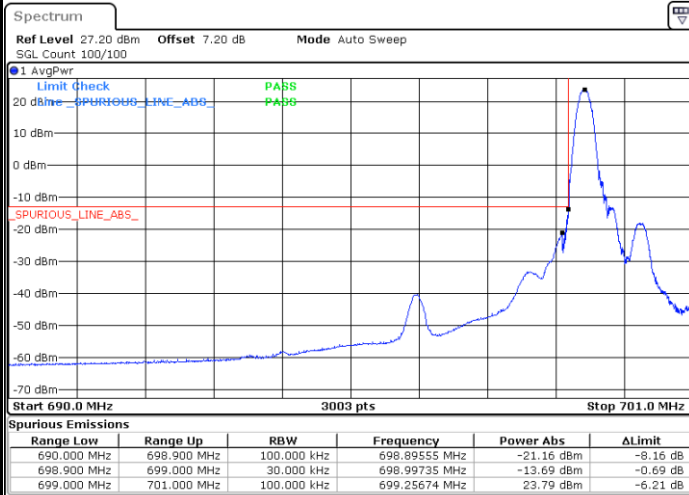




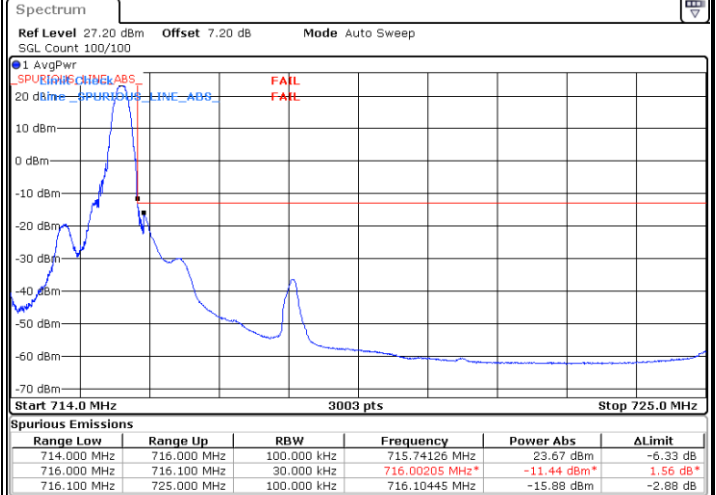
Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

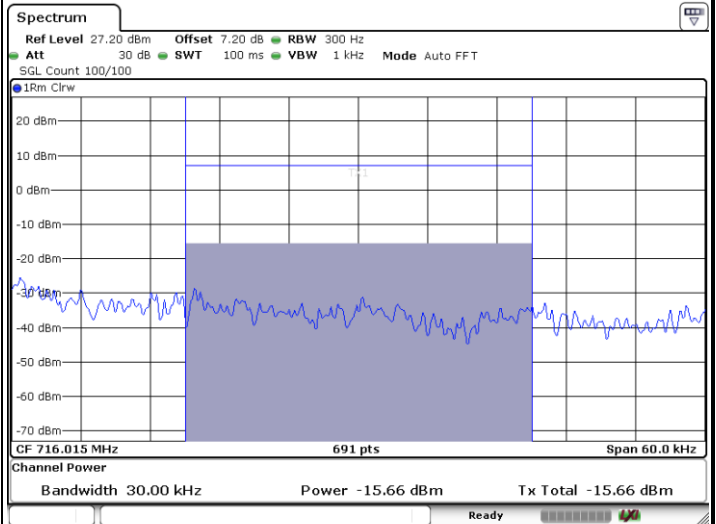
Lowest Band Edge / 1RB



Highest Band Edge / 1RB

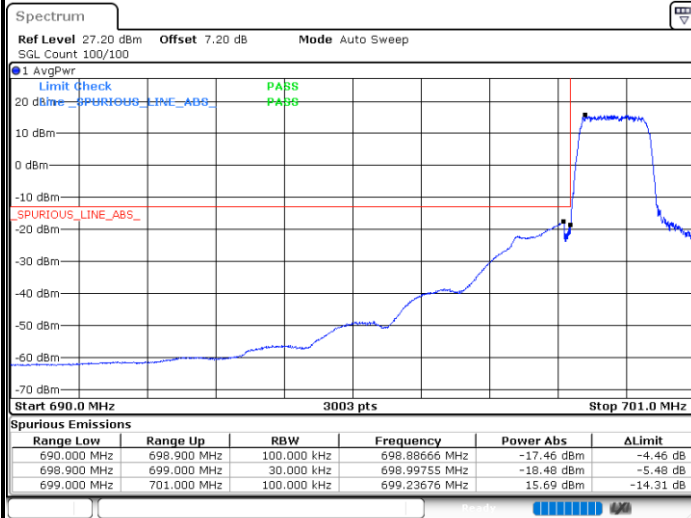


Channel power -13dBm > -15.66dBm Pass

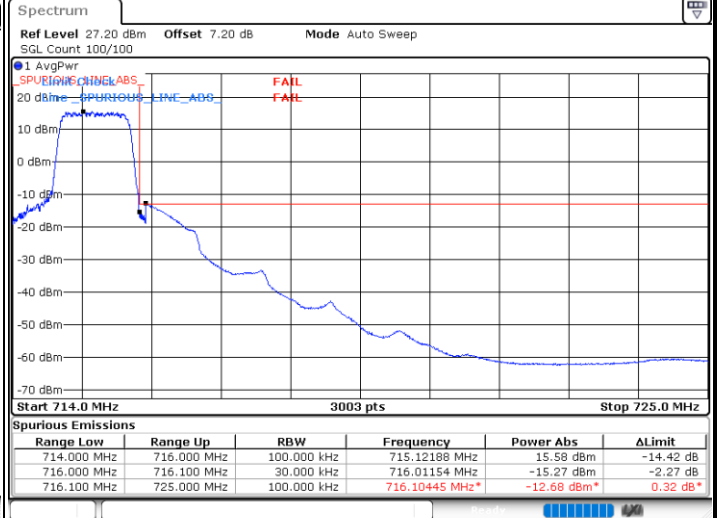




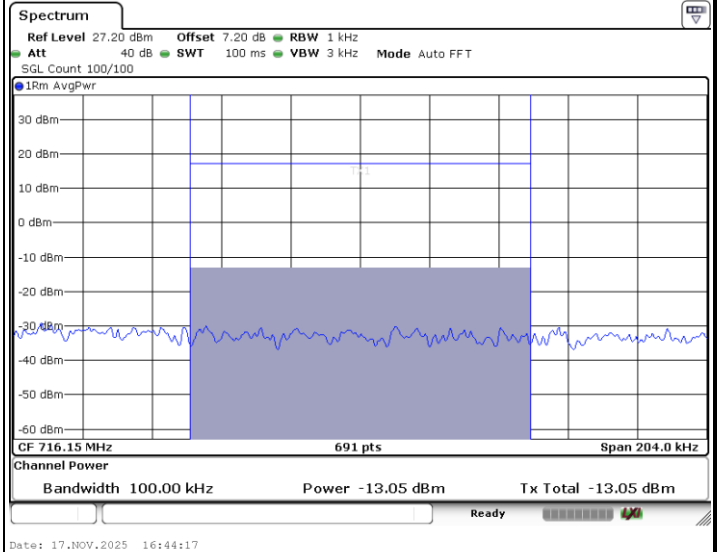
Lowest Band Edge / Full RB



Highest Band Edge / Full RB



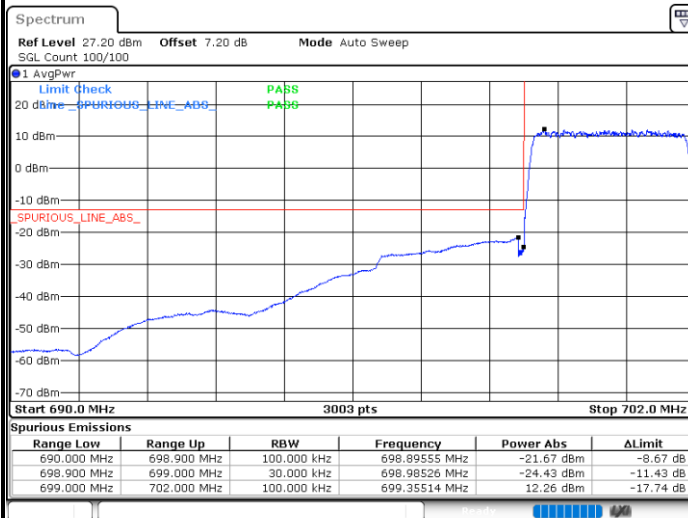
Channel power -13dBm > -13.05dBm Pass



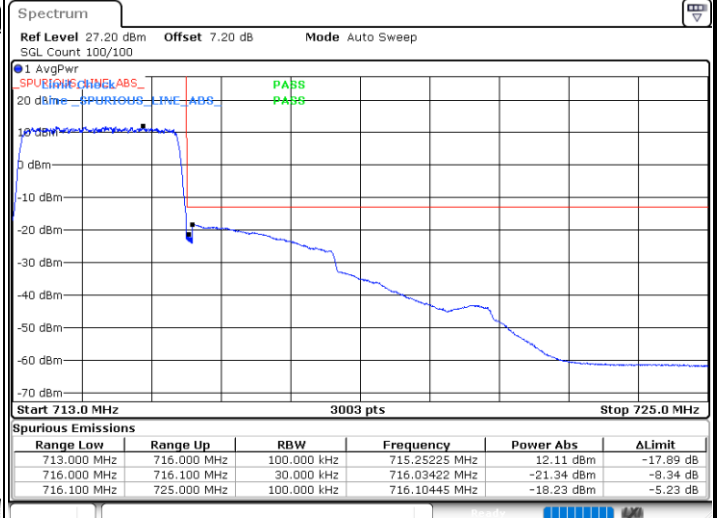


LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / Full RB

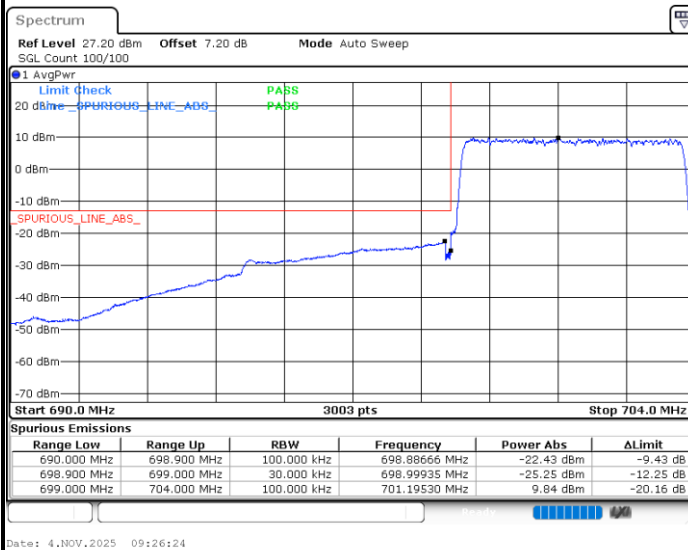


Highest Band Edge / Full RB

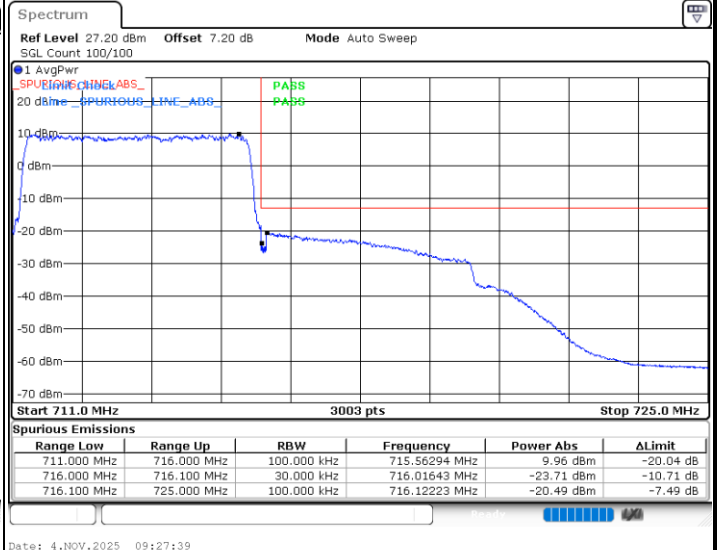


LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

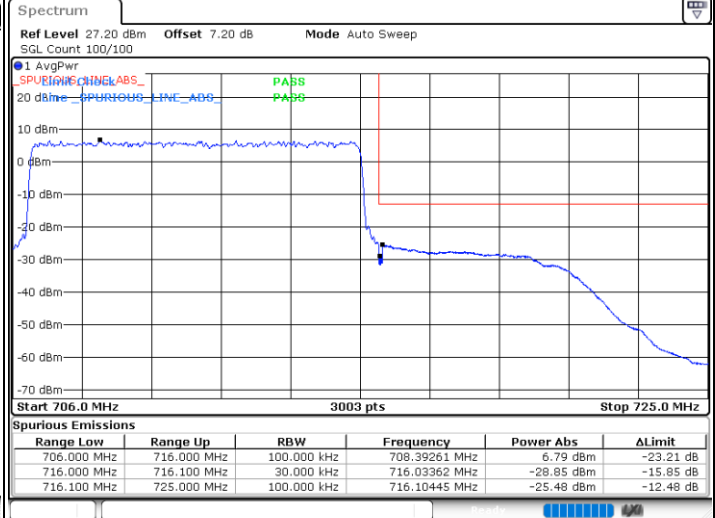
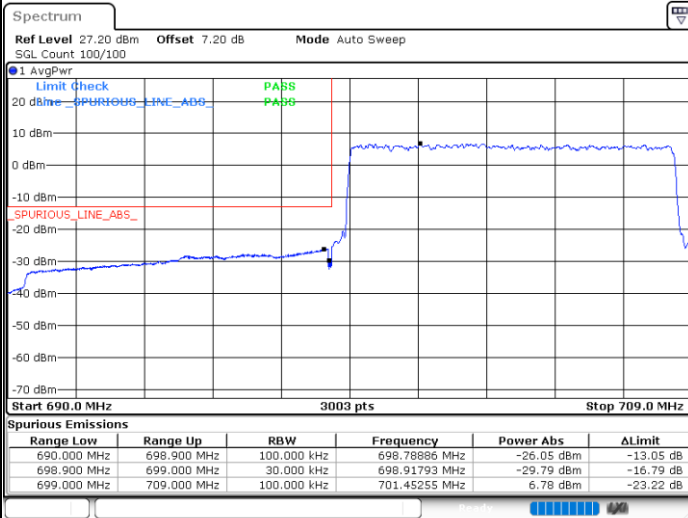




LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

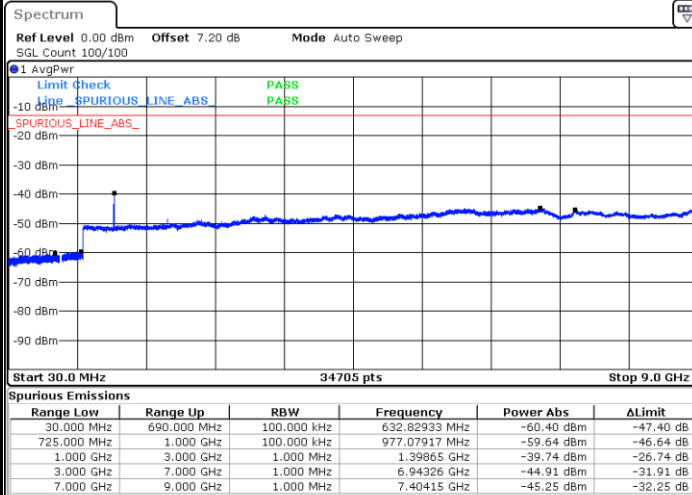




Conducted Spurious Emission

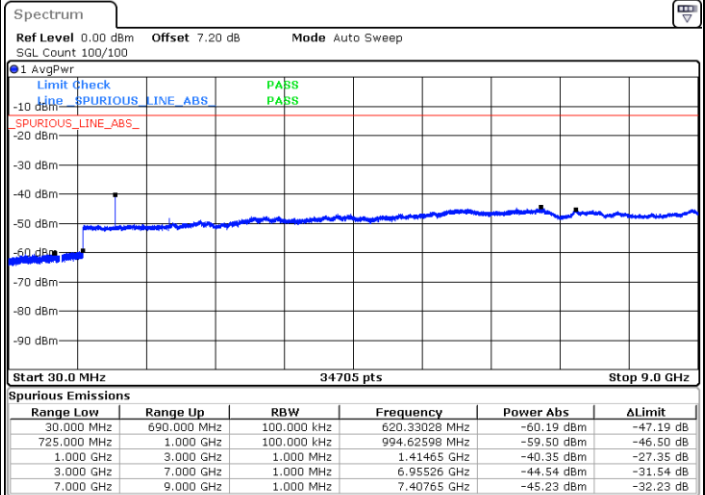
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



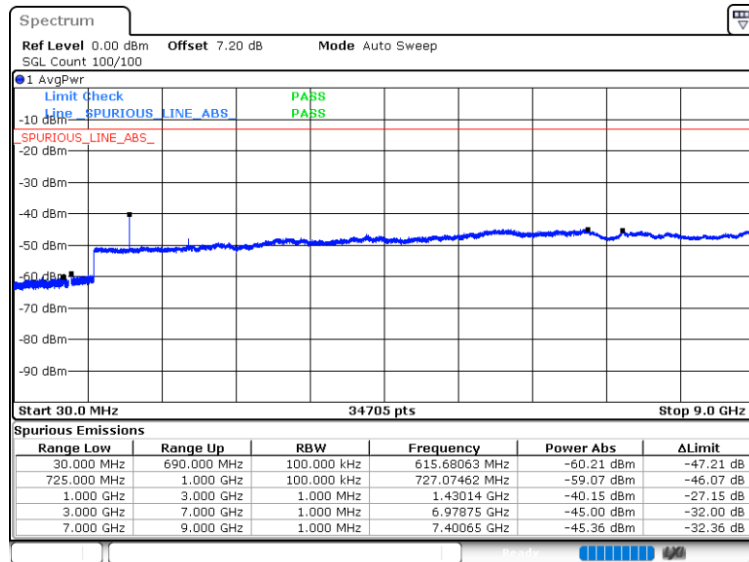
Date: 4.NOV.2025 09:17:24

Middle Channel / QPSK



Date: 4.NOV.2025 09:18:54

Highest Channel / QPSK

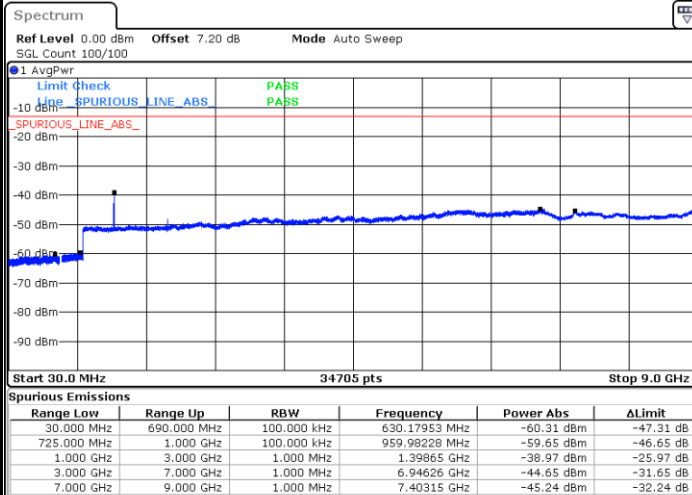


Date: 4.NOV.2025 09:22:48



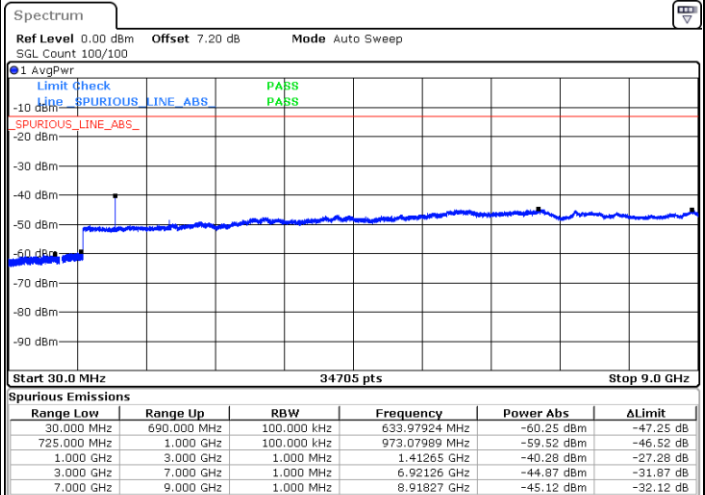
LTE Band 12 / 3MHz

Lowest Channel / QPSK



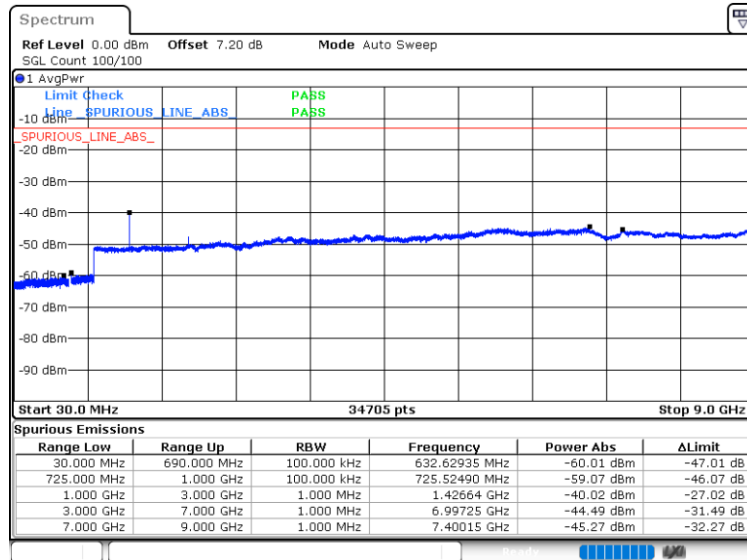
Date: 4.NOV.2025 09:31:38

Middle Channel / QPSK



Date: 4.NOV.2025 09:33:09

Highest Channel / QPSK

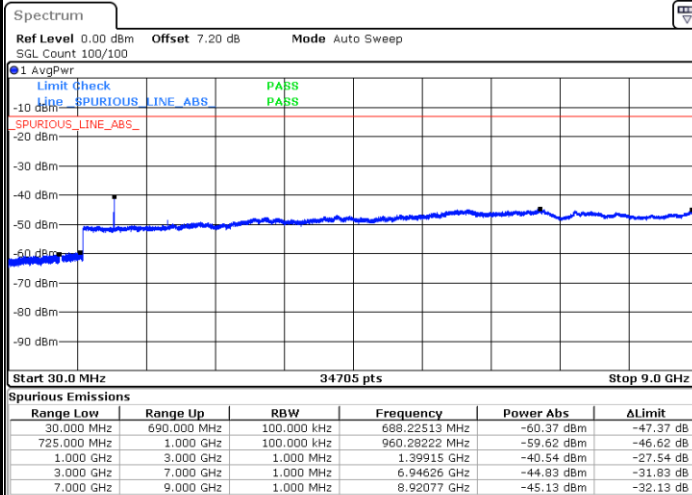


Date: 4.NOV.2025 09:34:38



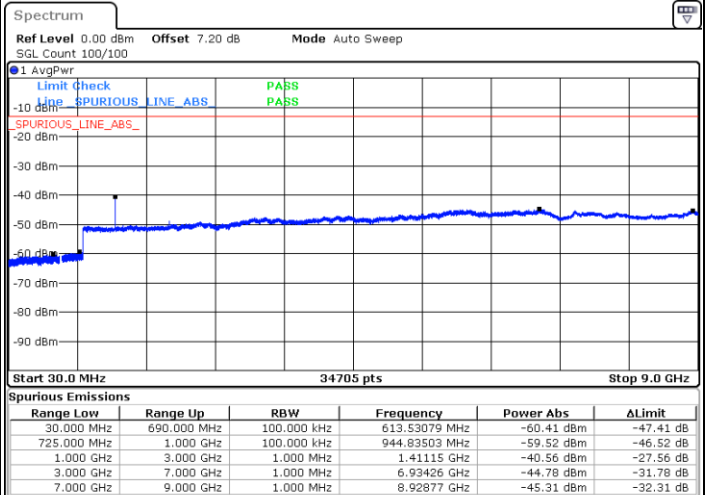
LTE Band 12 / 5MHz

Lowest Channel / QPSK



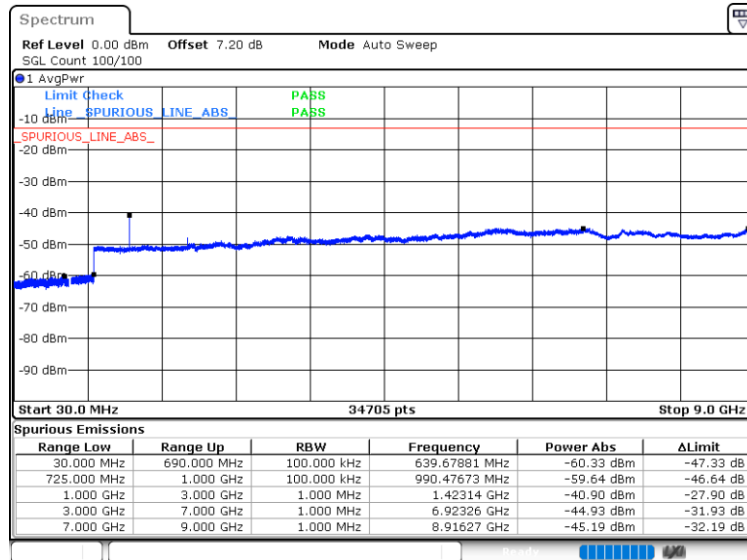
Date: 4.NOV.2025 09:36:13

Middle Channel / QPSK



Date: 4.NOV.2025 09:37:42

Highest Channel / QPSK

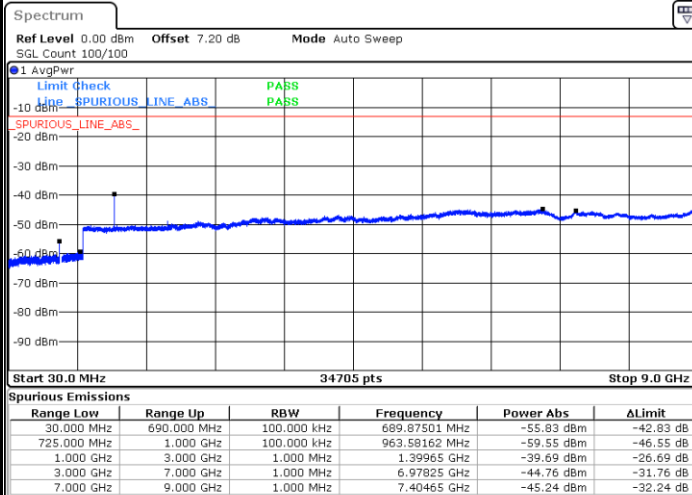


Date: 4.NOV.2025 09:39:14



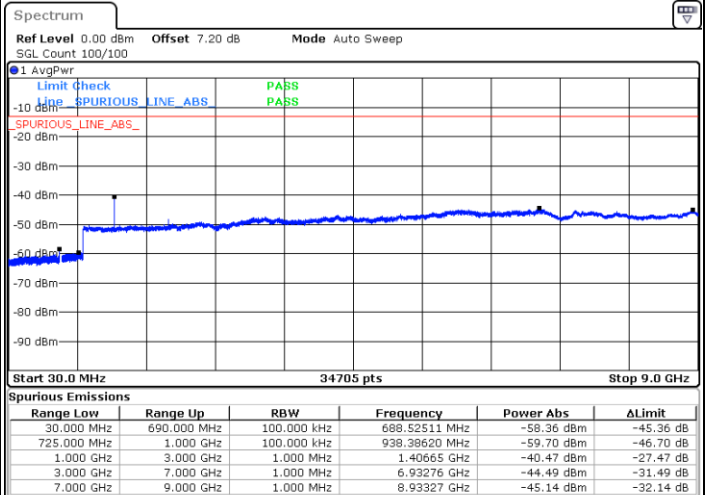
LTE Band 12 / 10MHz

Lowest Channel / QPSK



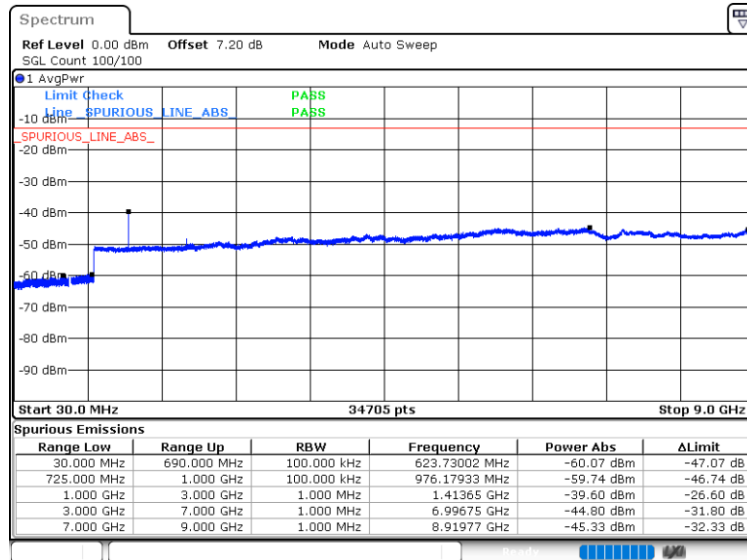
Date: 4.NOV.2025 09:40:48

Middle Channel / QPSK



Date: 4.NOV.2025 09:42:18

Highest Channel / QPSK



Date: 4.NOV.2025 09:43:48

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	0.0082	-5.8	Yes	PASS
40	Normal Voltage	0.0064	-4.5	Yes	
30	Normal Voltage	0.0069	4.9	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0082	-5.8	Yes	
0	Normal Voltage	0.0161	-11.4	Yes	
-10	Normal Voltage	0.0103	7.3	Yes	
-20	Normal Voltage	0.0075	5.3	Yes	
-30	Normal Voltage	0.0088	-6.2	Yes	
20	Maximum Voltage	0.0079	5.6	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0071	5	Yes	

Note:

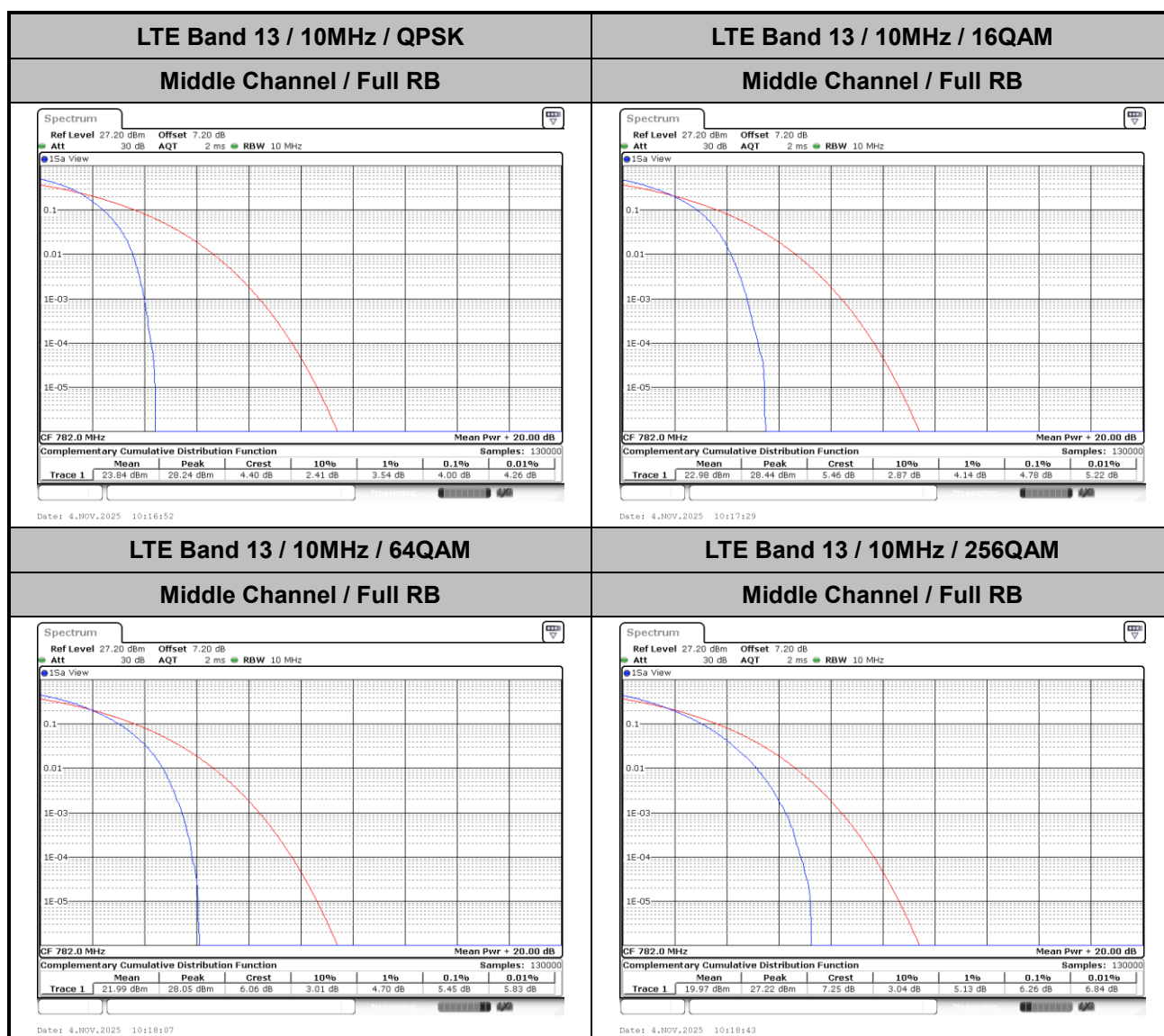
1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.05 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.
3. The frequency variation is sufficient to ensure that the occupied bandwidth of all operation channels stay within the operating frequency block or frequency block group.



LTE Band 13

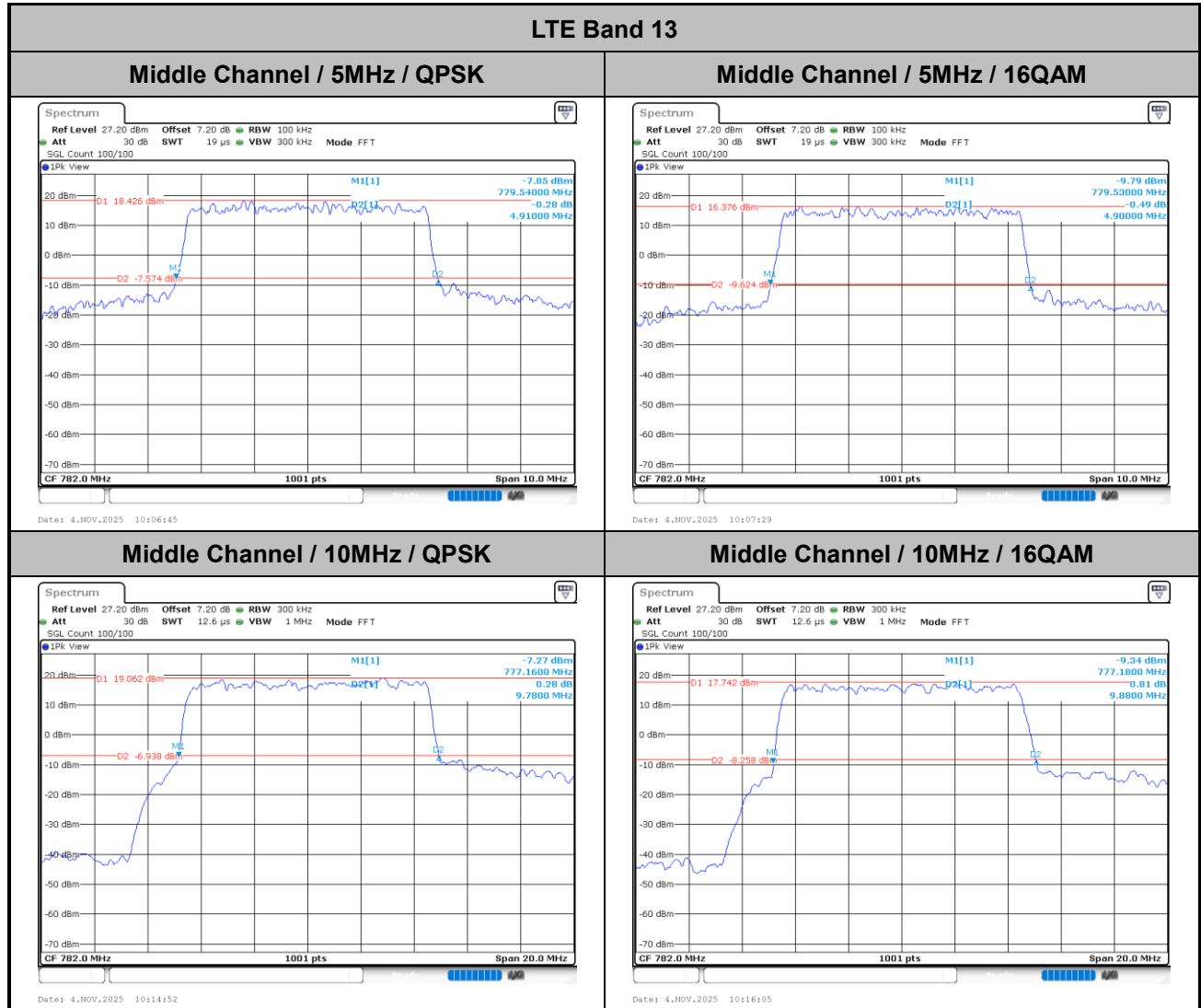
Peak-to-Average Ratio

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	4.00	4.78	5.45	6.26	PASS



**26dB Bandwidth**

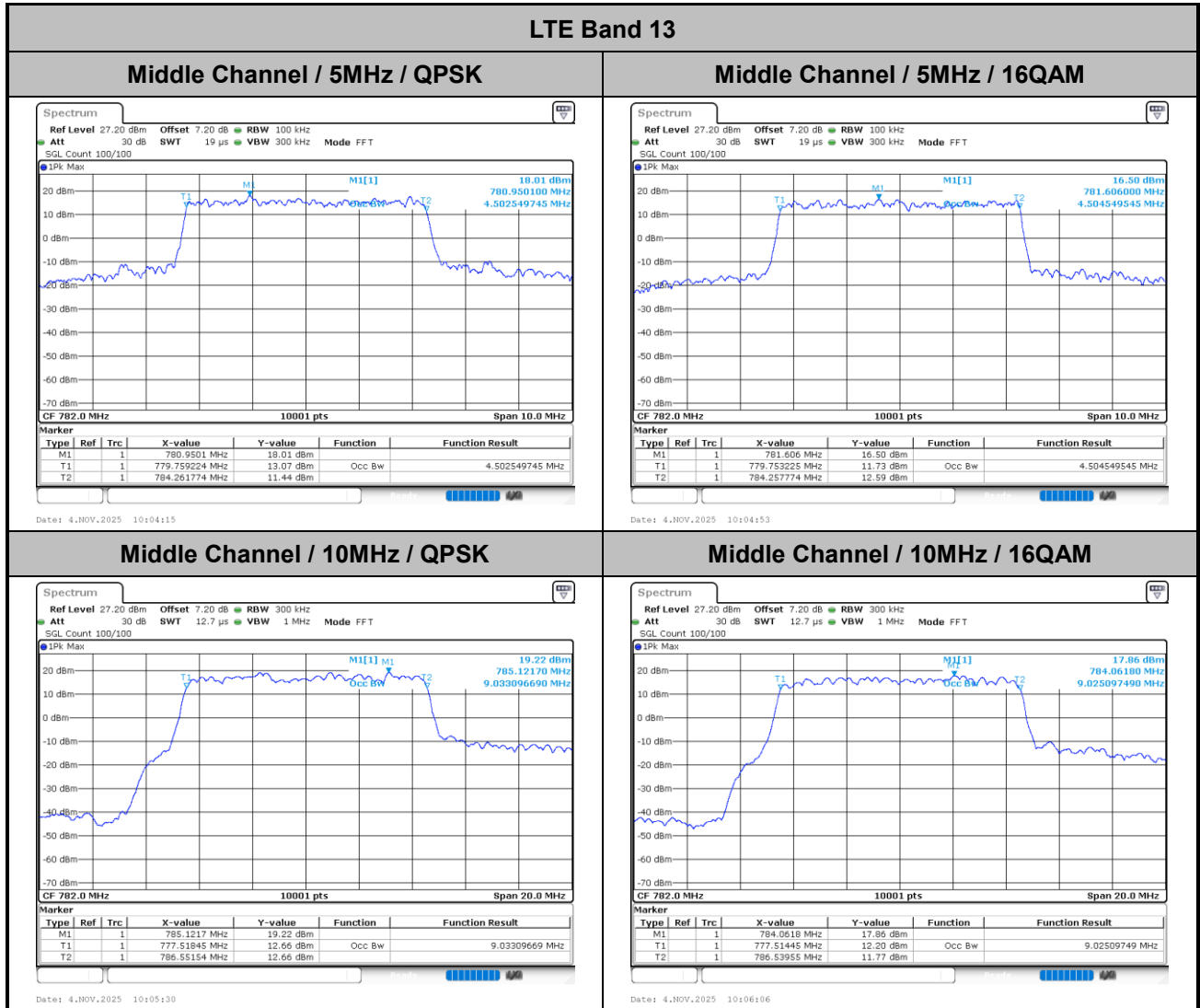
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.91	4.90	9.78	9.88	-	-	-	-

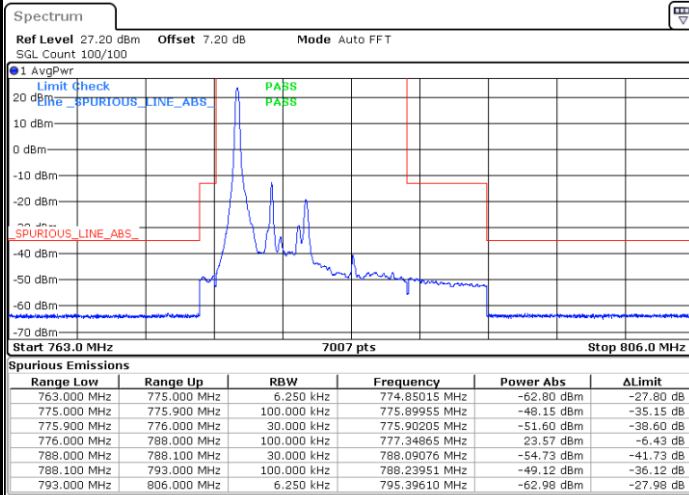




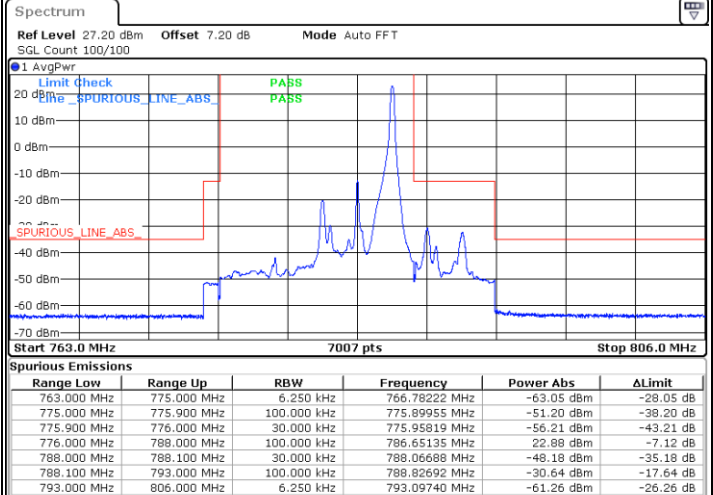
Occupied Bandwidth

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	4.50	9.03	9.02	-	-	-	-

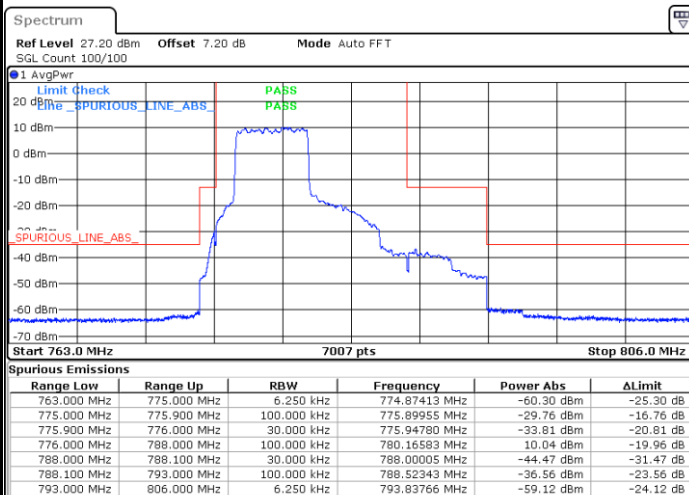


**Conducted Band Edge****LTE Band 13 / 5MHz / QPSK****Lowest Band Edge / 1 RB**

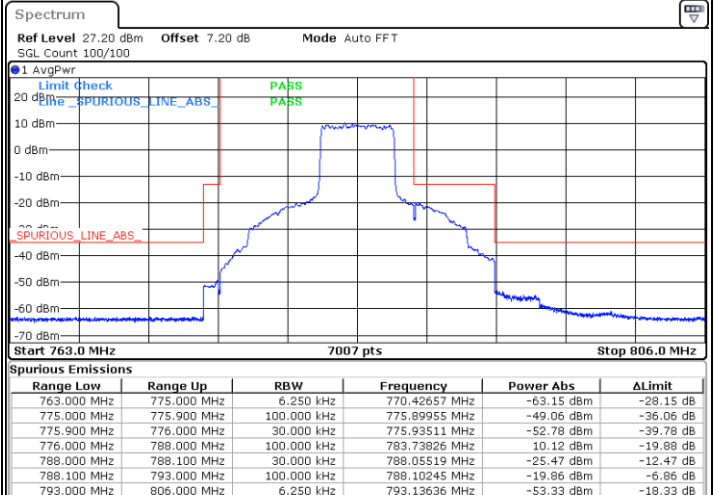
Date: 4.NOV.2025 09:53:43

Highest Band Edge / 1 RB

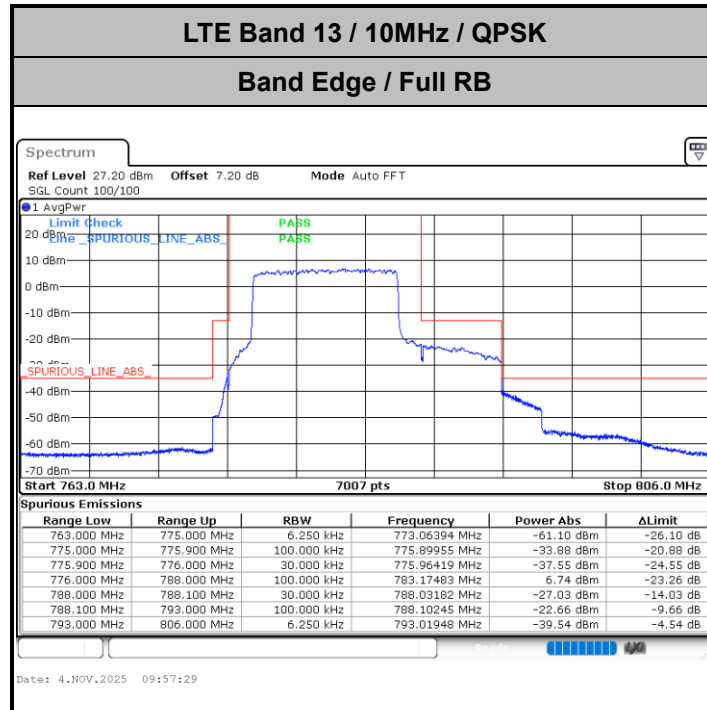
Date: 4.NOV.2025 09:56:14

Lowest Band Edge / Full RB

Date: 4.NOV.2025 09:52:26

Highest Band Edge / Full RB

Date: 4.NOV.2025 09:54:59

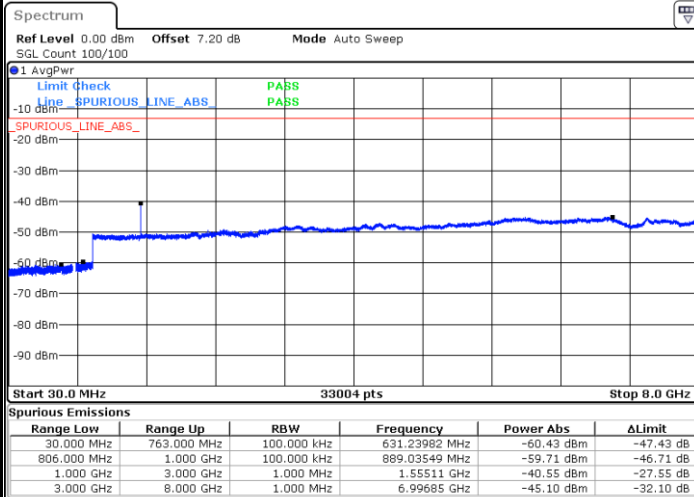




Conducted Spurious Emission

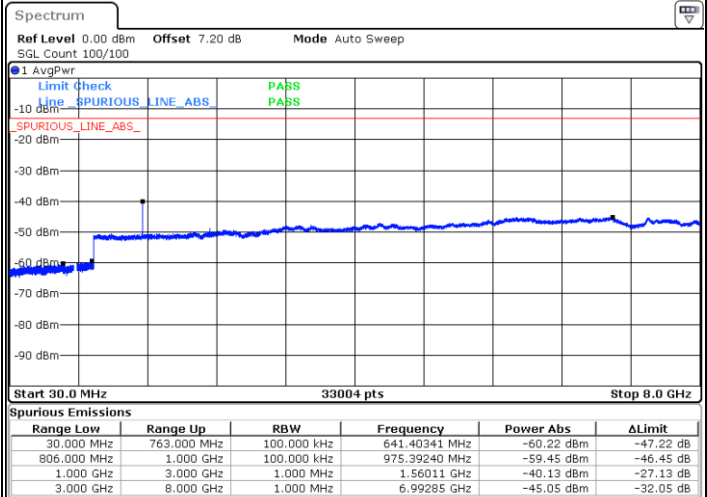
LTE Band 13 / 5MHz

Lowest Channel / QPSK



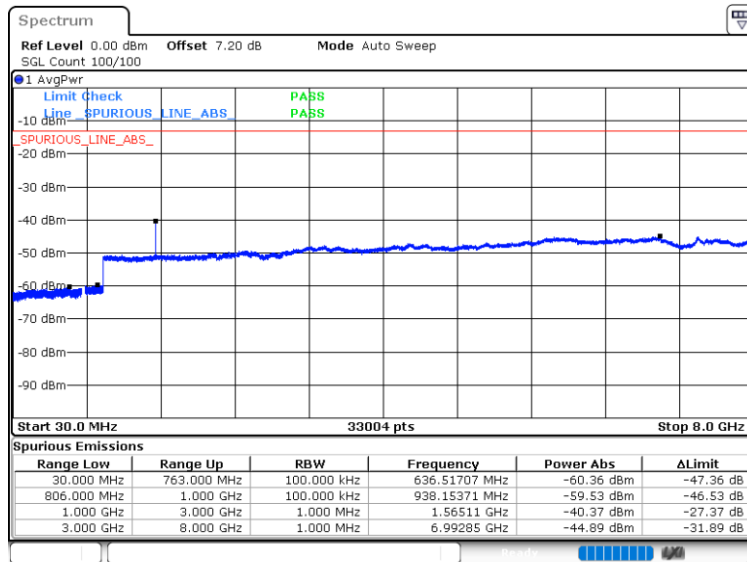
Date: 6.NOV.2025 07:39:17

Middle Channel / QPSK



Date: 6.NOV.2025 07:40:50

Highest Channel / QPSK

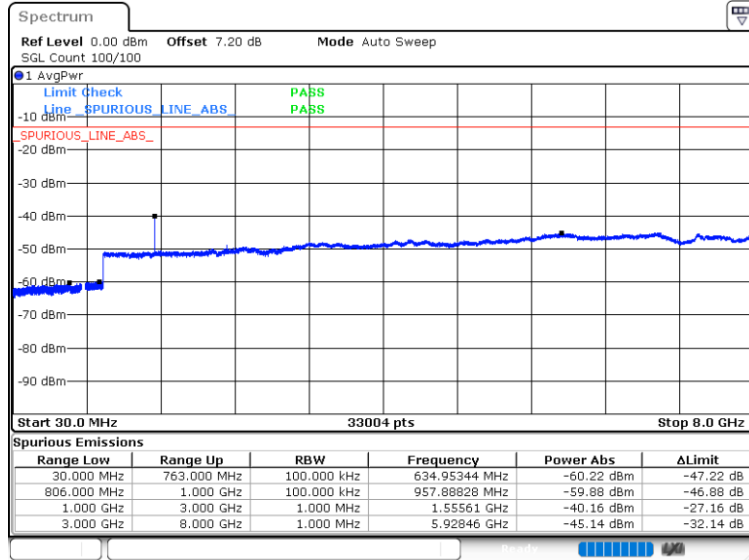


Date: 6.NOV.2025 07:42:17



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 6.NOV.2025 07:43:45

Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel / BandWidth 10M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0128	10	Yes	PASS
40	Normal Voltage	0.0031	2.4	Yes	
30	Normal Voltage	0.0165	12.9	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0128	10	Yes	
0	Normal Voltage	0.0027	2.1	Yes	
-10	Normal Voltage	0.0109	8.5	Yes	
-20	Normal Voltage	0.0031	-2.4	Yes	
-30	Normal Voltage	0.0143	11.2	Yes	
20	Maximum Voltage	0.0109	8.5	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0009	0.7	Yes	

Note:

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.05 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.



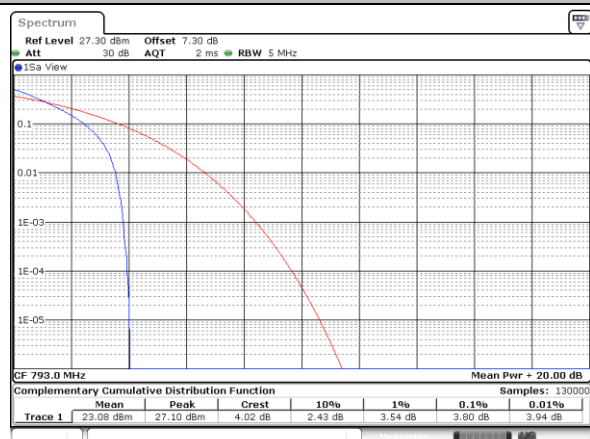
LTE Band 14

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	3.8	4.78	5.51	6.32	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	3.74	4.75	5.54	6.41	PASS

LTE Band 14 / 5MHz / QPSK

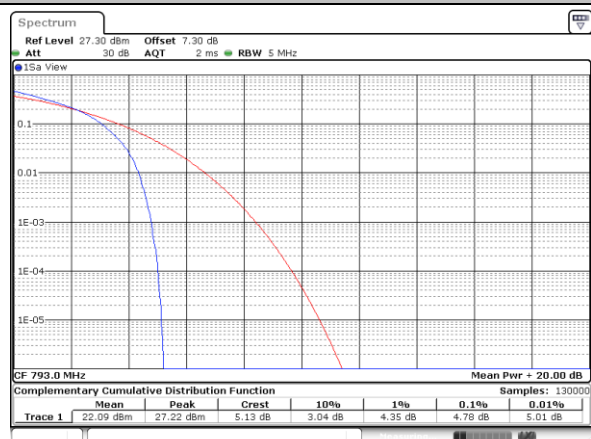
Middle Channel / Full RB



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

LTE Band 14 / 5MHz / 16QAM

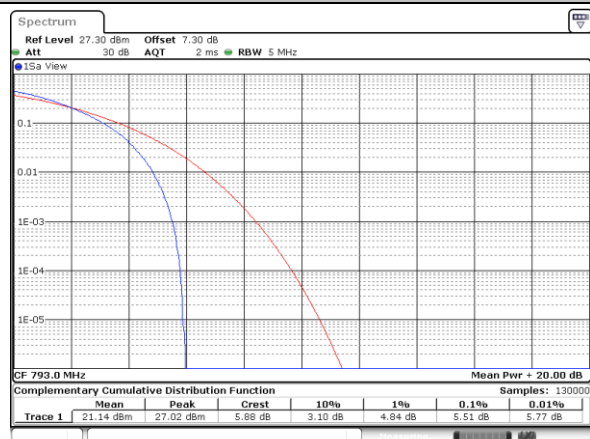
Middle Channel / Full RB



Date: 11.NOV.2025 22:04:34

LTE Band 14 / 5MHz / 64QAM

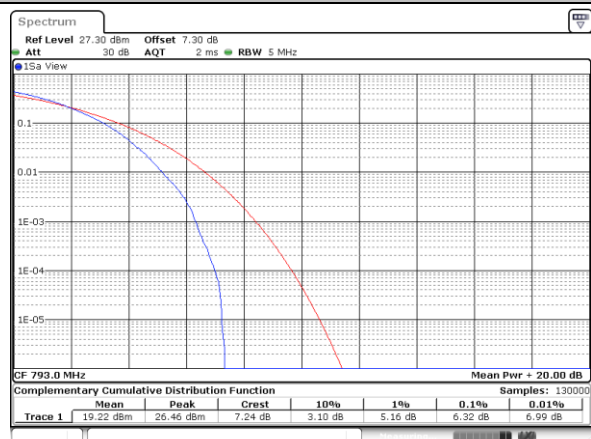
Middle Channel / Full RB



Date: 11.NOV.2025 22:04:58

LTE Band 14 / 5MHz / 256QAM

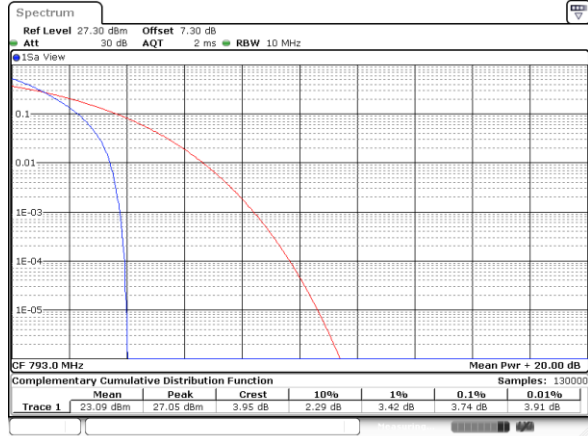
Middle Channel / Full RB



Date: 11.NOV.2025 22:05:22

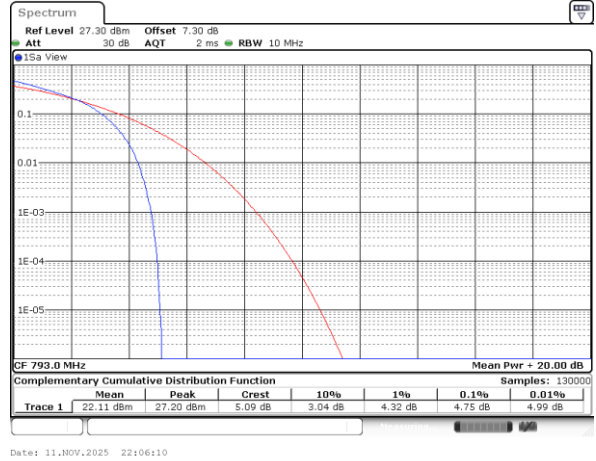
LTE Band 14 / 10MHz / QPSK

Middle Channel / Full RB



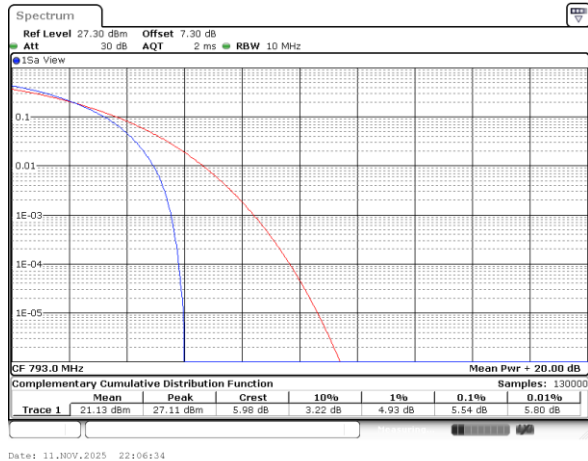
LTE Band 14 / 10MHz / 16QAM

Middle Channel / Full RB



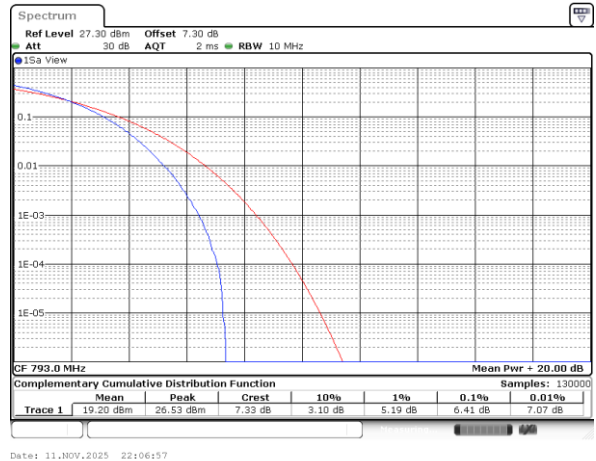
LTE Band 14 / 10MHz / 64QAM

Middle Channel / Full RB



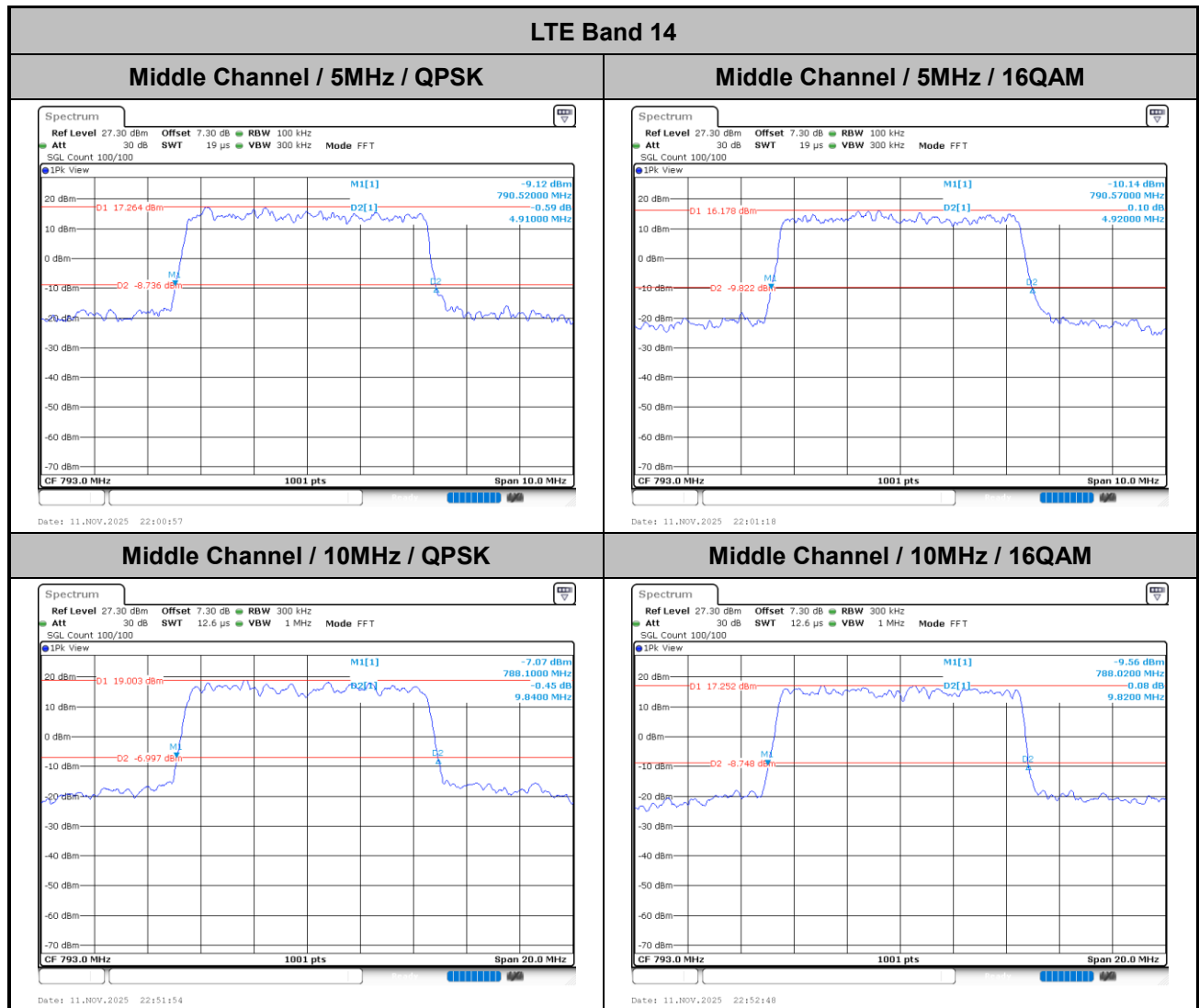
LTE Band 14 / 10MHz / 256QAM

Middle Channel / Full RB



**26dB Bandwidth**

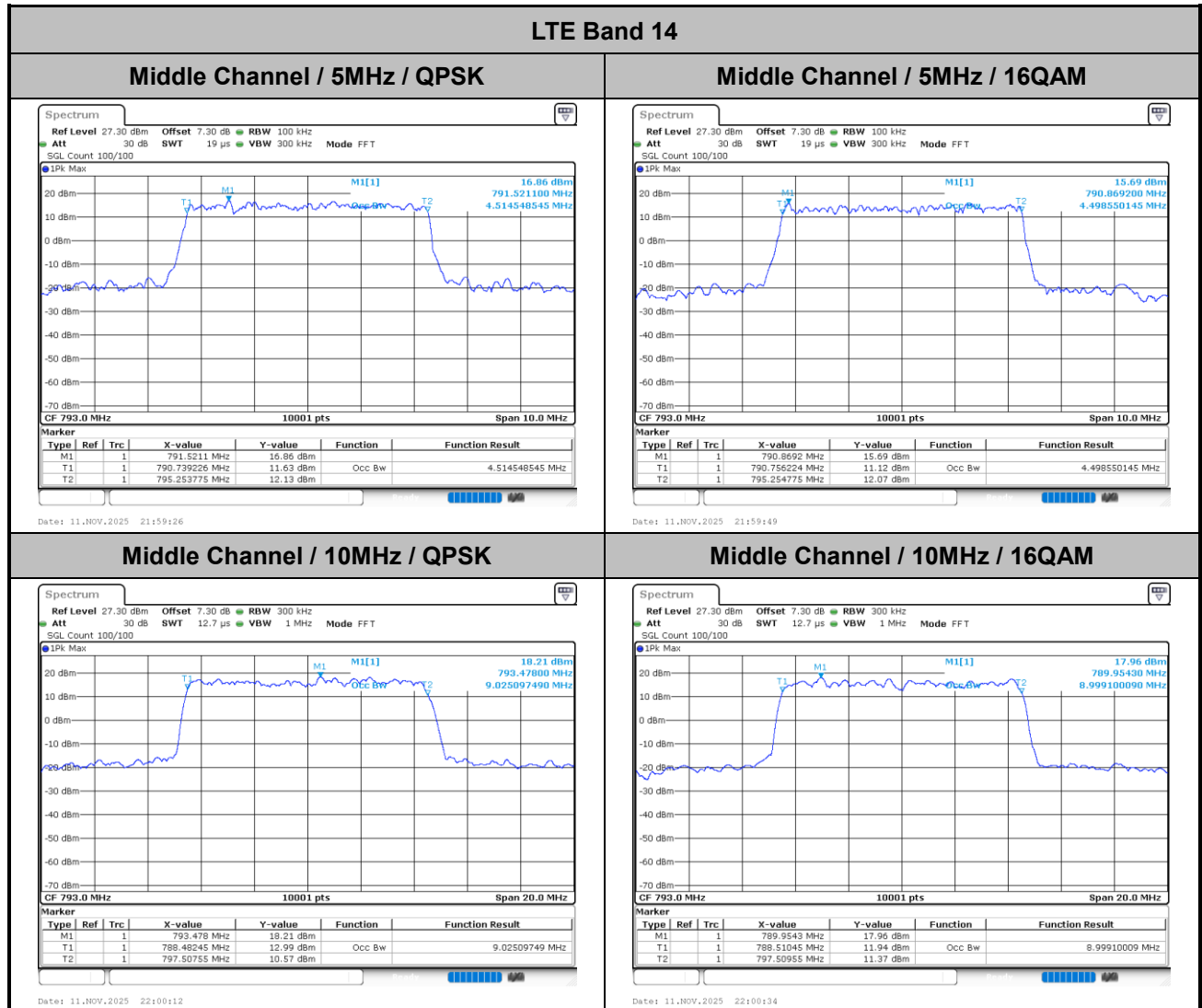
Mode	LTE Band 14 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.91	4.92	9.84	9.82	-	-	-	-





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	-	-	-	-	4.51	4.49	9.02	8.99	-	-	-	-

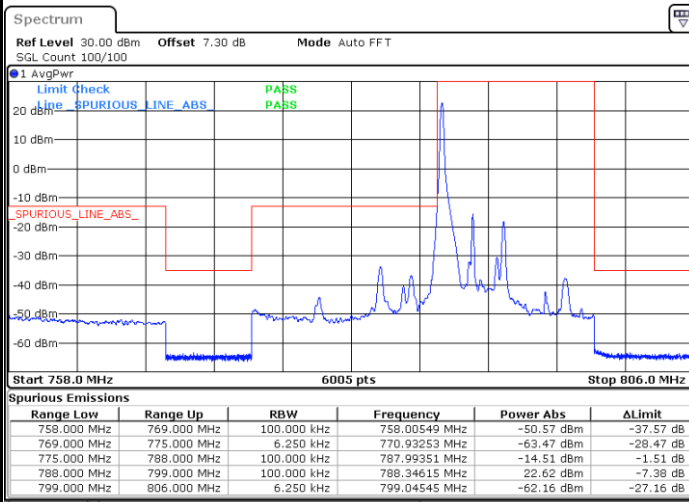




Conducted Band Edge

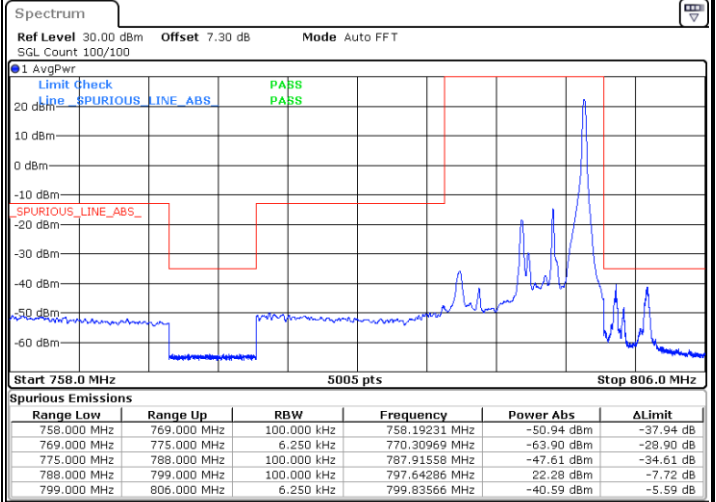
LTE Band 14 / 5MHz / QPSK

Lowest Band Edge / 1 RB



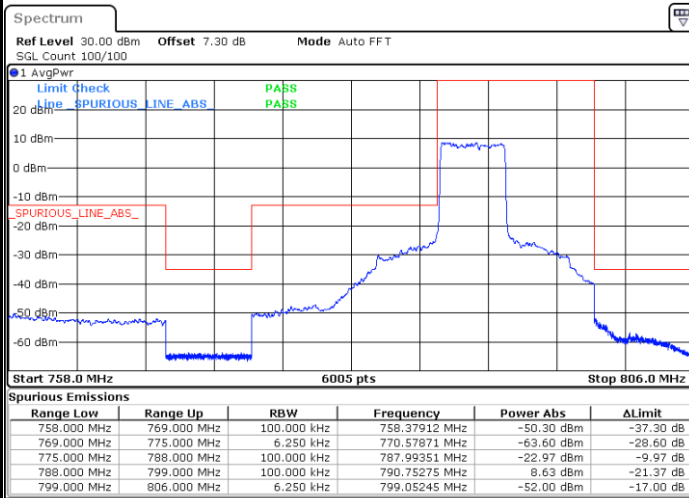
Date: 11.NOV.2025 22:09:12

Highest Band Edge / 1 RB



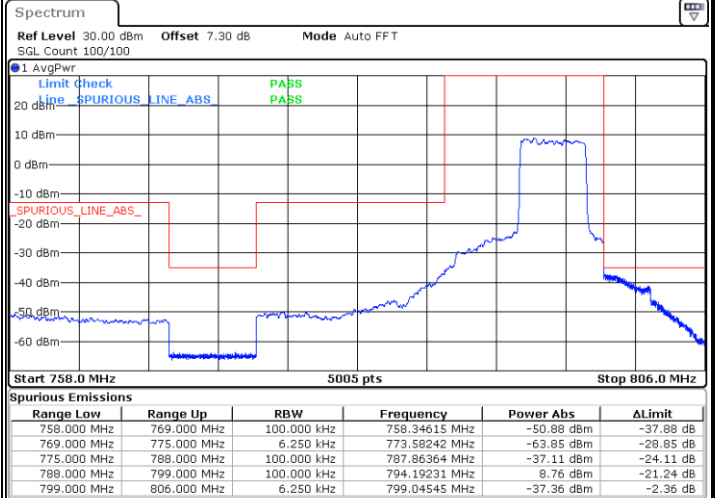
Date: 11.NOV.2025 22:11:27

Lowest Band Edge / Full RB

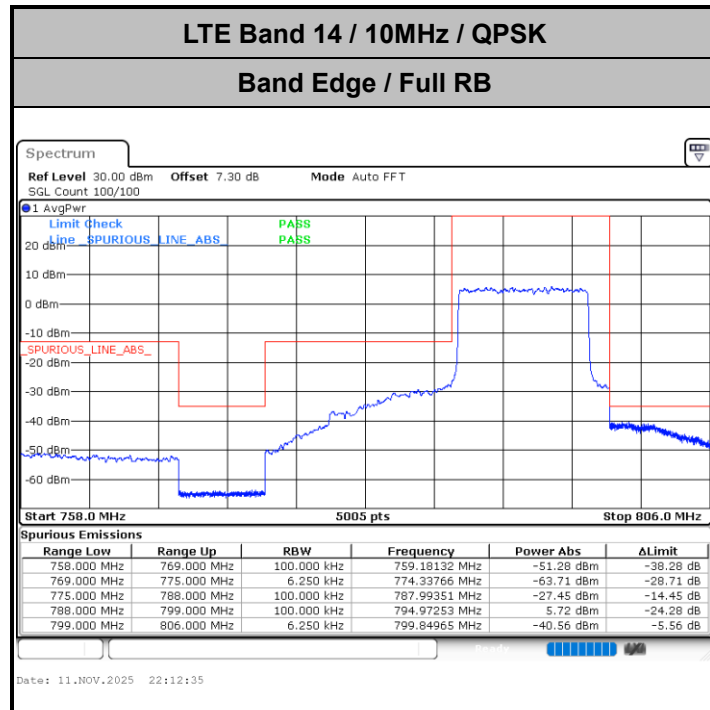


Date: 11.NOV.2025 22:08:04

Highest Band Edge / Full RB



Date: 11.NOV.2025 22:10:20

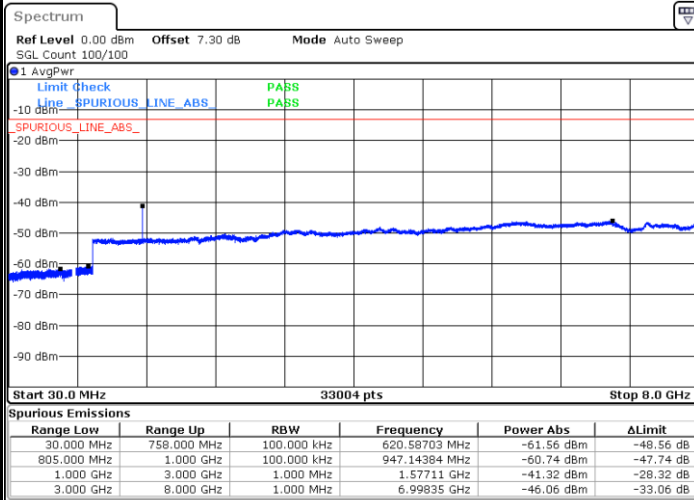




Conducted Spurious Emission

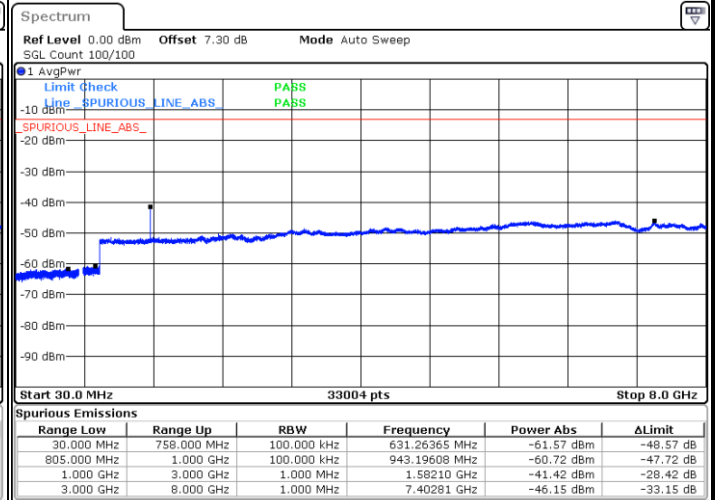
LTE Band 14 / 5MHz

Lowest Channel / QPSK



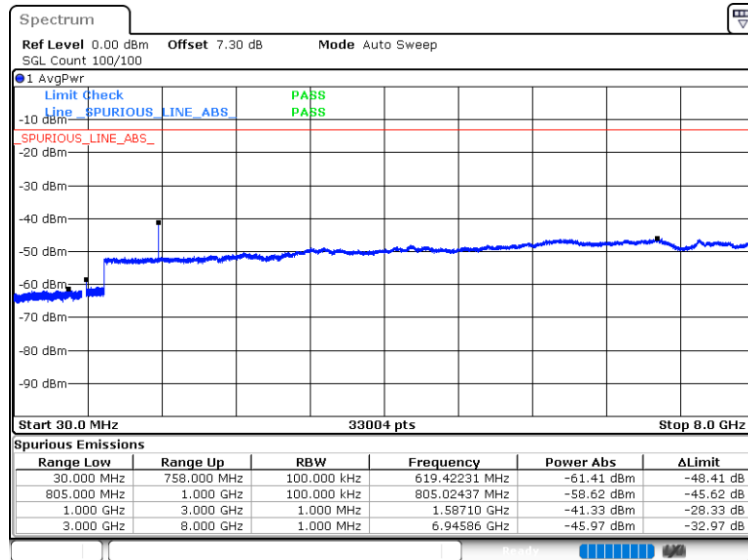
Date: 11.NOV.2025 22:24:08

Middle Channel / QPSK



Date: 11.NOV.2025 22:25:22

Highest Channel / QPSK



Date: 11.NOV.2025 22:26:35