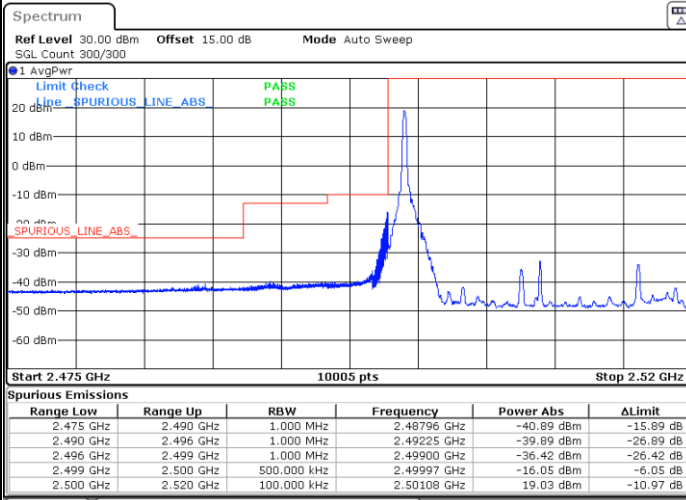




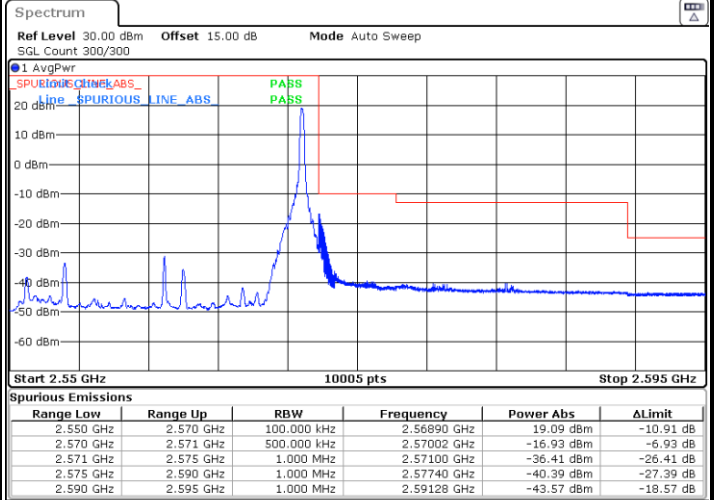
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1RB



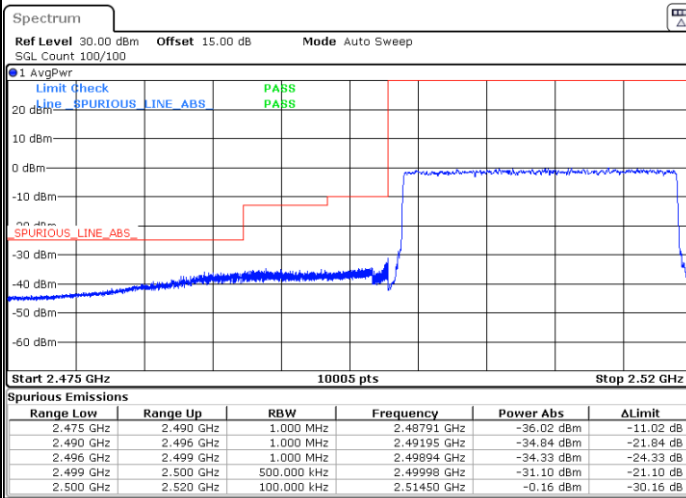
Date: 2.JAN.2025 17:02:34

Highest Band Edge / 1 RB



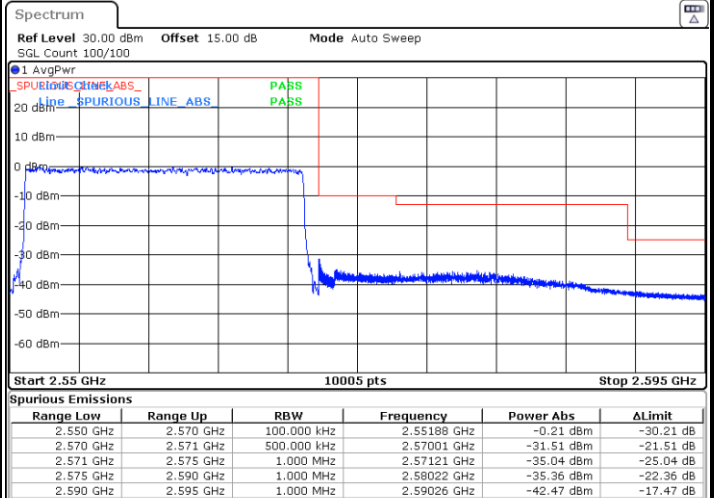
Date: 2.JAN.2025 17:05:35

Lowest Band Edge / Full RB



Date: 28 DEC 2024 17:54:47

Highest Band Edge / Full RB

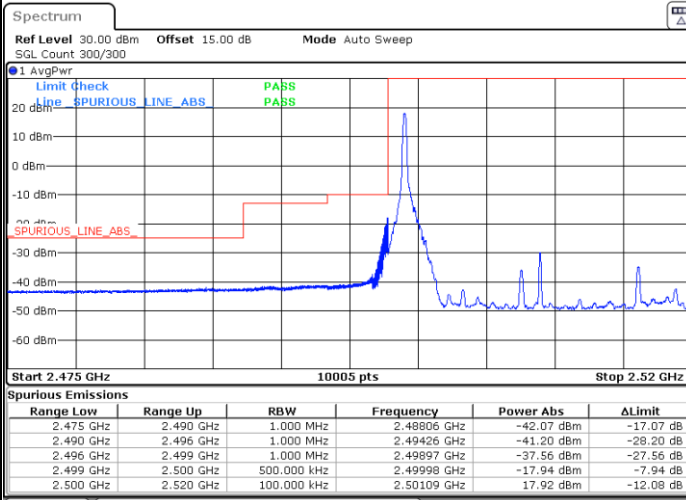


Date: 28 DEC 2024 18:04:06



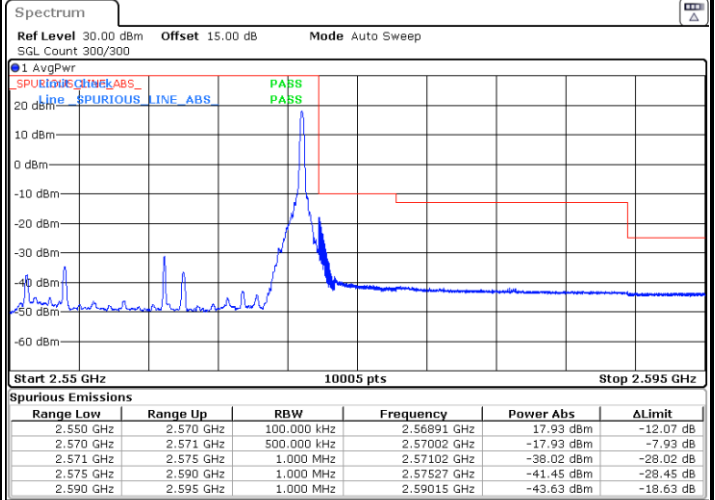
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1RB



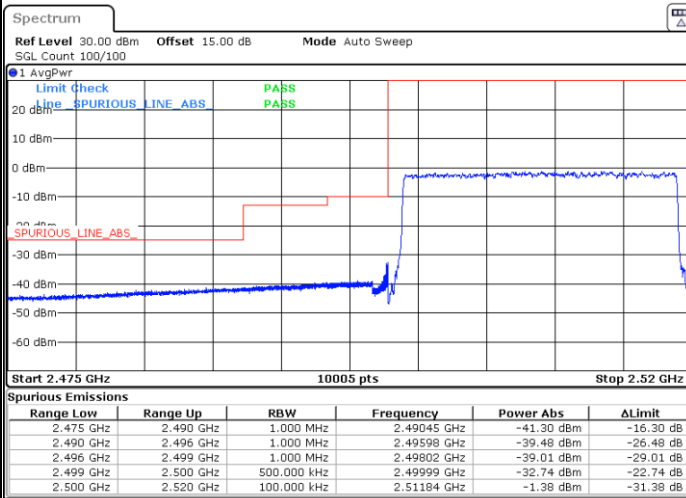
Date: 2.JAN.2025 17:03:24

Highest Band Edge / 1 RB



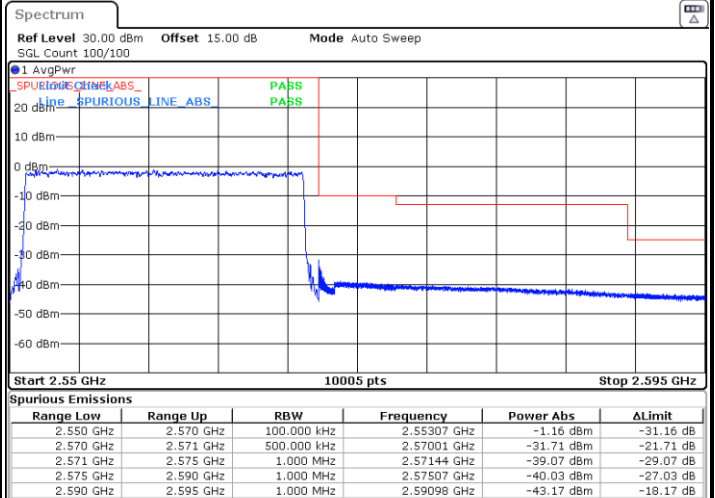
Date: 2.JAN.2025 17:06:33

Lowest Band Edge / Full RB



Date: 28 DEC.2024 17:55:32

Highest Band Edge / Full RB



Date: 28 DEC.2024 18:04:51



Conducted Spurious Emission

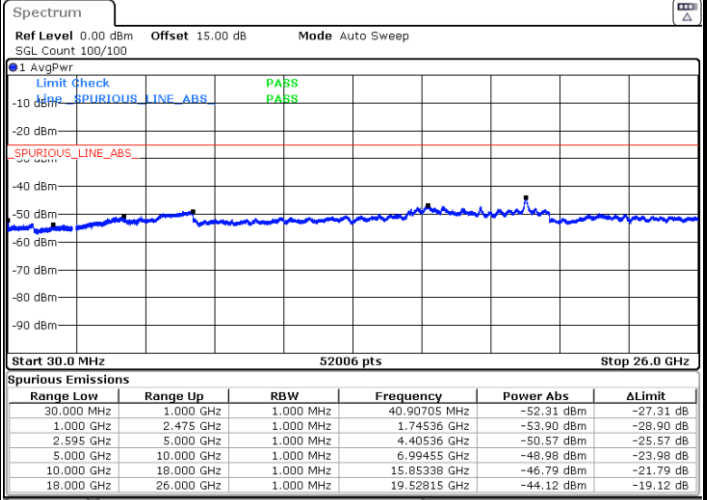
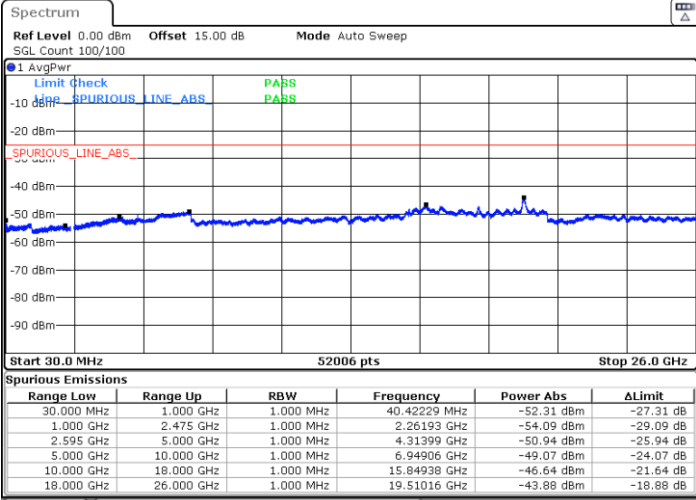




LTE Band 7 / 10MHz

Lowest Channel / QPSK

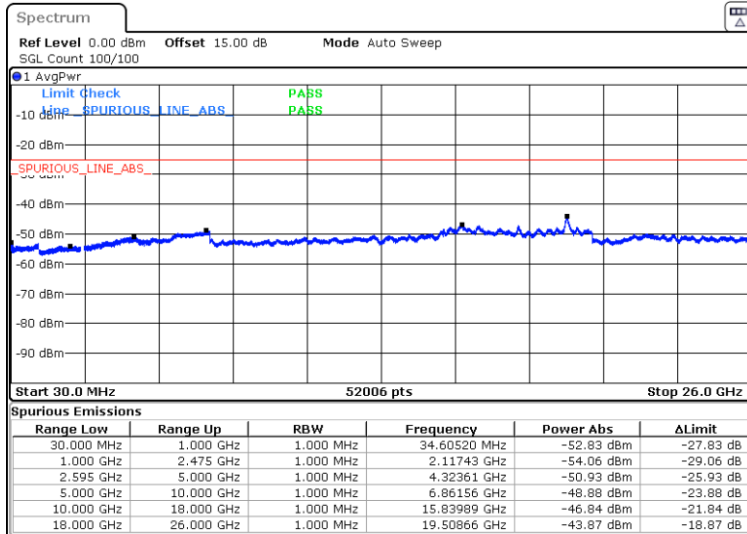
Middle Channel / QPSK



Date: 28.DEC.2024 17:27:55

Date: 28.DEC.2024 17:28:58

Highest Channel / QPSK



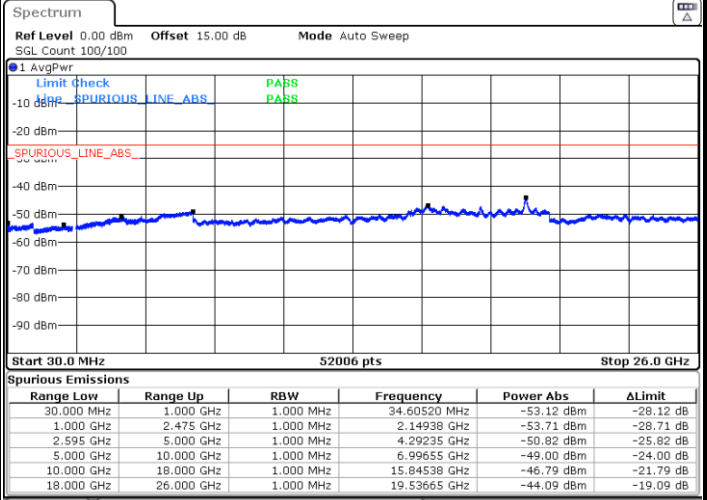
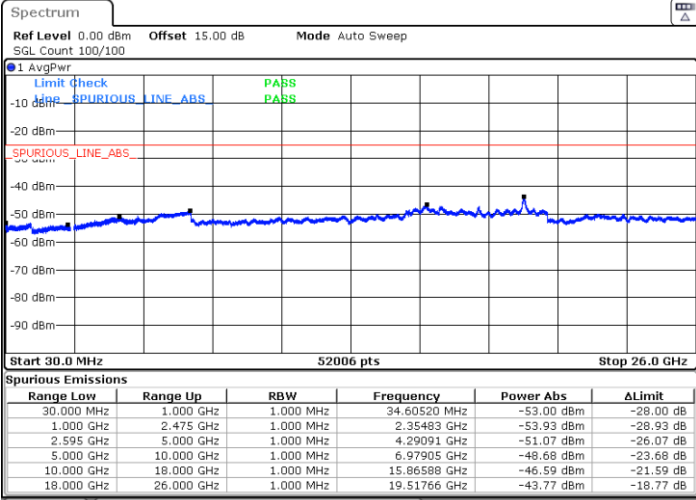
Date: 28.DEC.2024 17:35:55



LTE Band 7 / 15MHz

Lowest Channel / QPSK

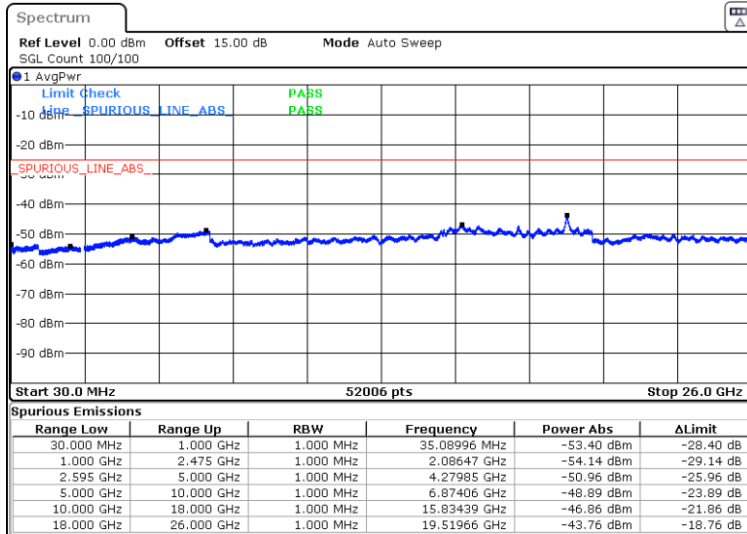
Middle Channel / QPSK



Date: 28.DEC.2024 17:42:16

Date: 28.DEC.2024 17:43:20

Highest Channel / QPSK



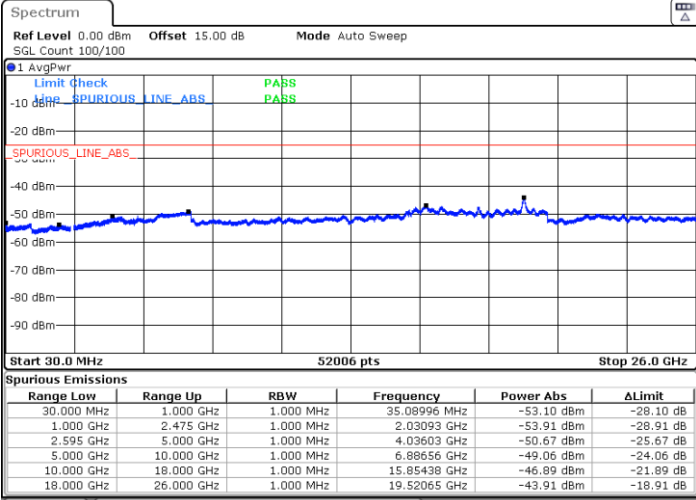
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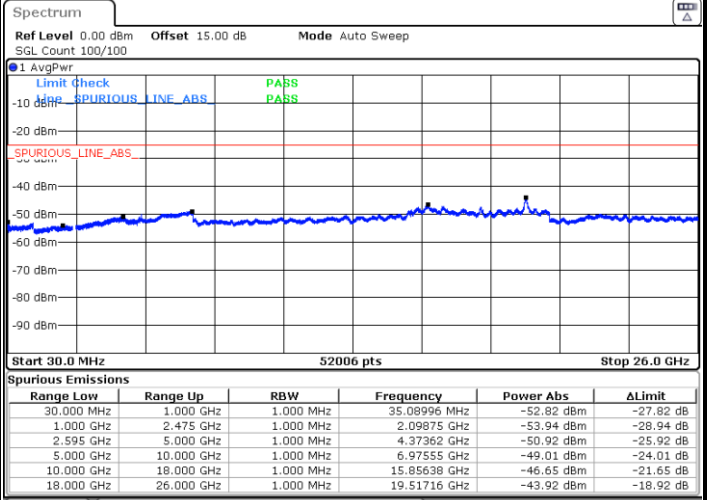
LTE Band 7 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

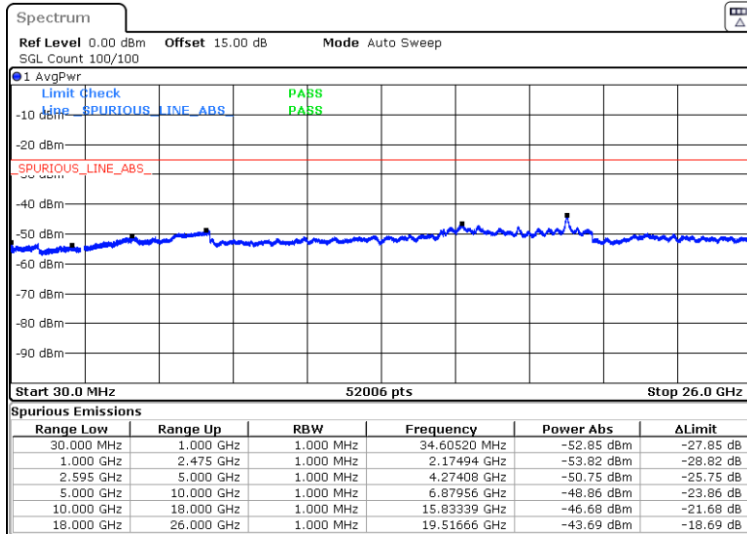


Date: 28.DEC.2024 17:56:37



Date: 28.DEC.2024 17:57:40

Highest Channel / QPSK



Date: 28.DEC.2024 18:05:56



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	0.0001	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0034	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

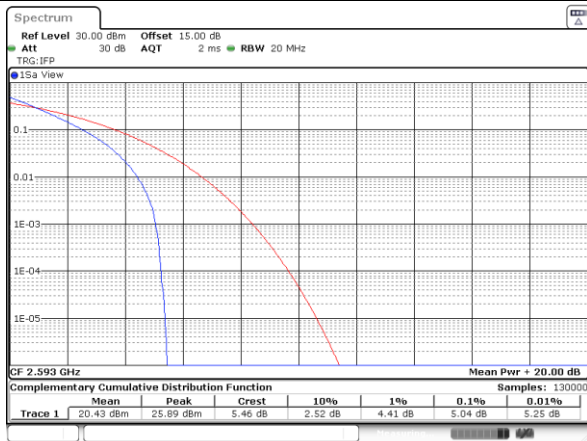


LTE Band 41(Main PA)

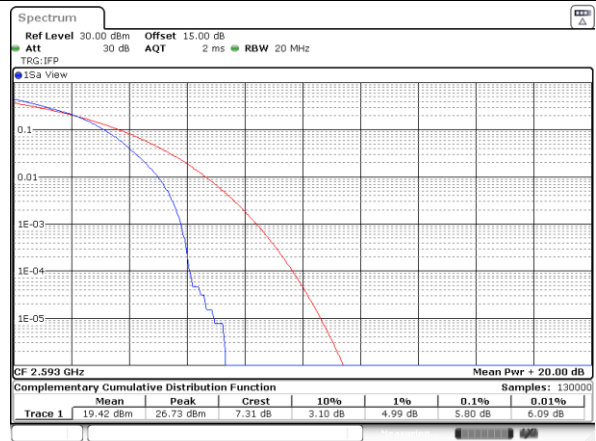
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.04	5.80	6.46	PASS

LTE Band 41 / 20MHz / QPSK	LTE Band 41 / 20MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB

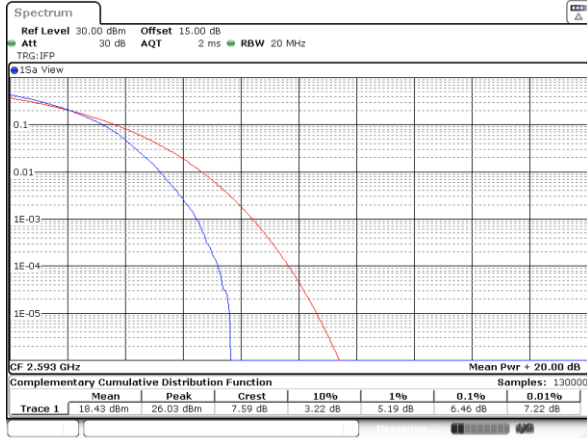


Date: 2_JAN_2025 18:46:08



Date: 2_JAN_2025 18:47:53

LTE Band 41 / 20MHz / 64QAM	Middle Channel / Full RB
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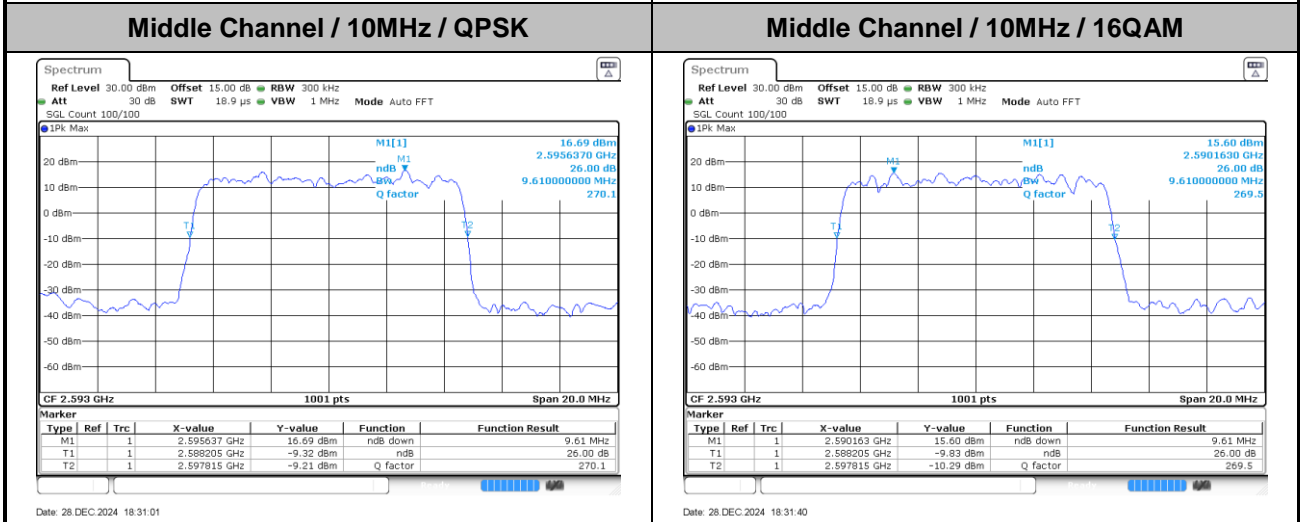
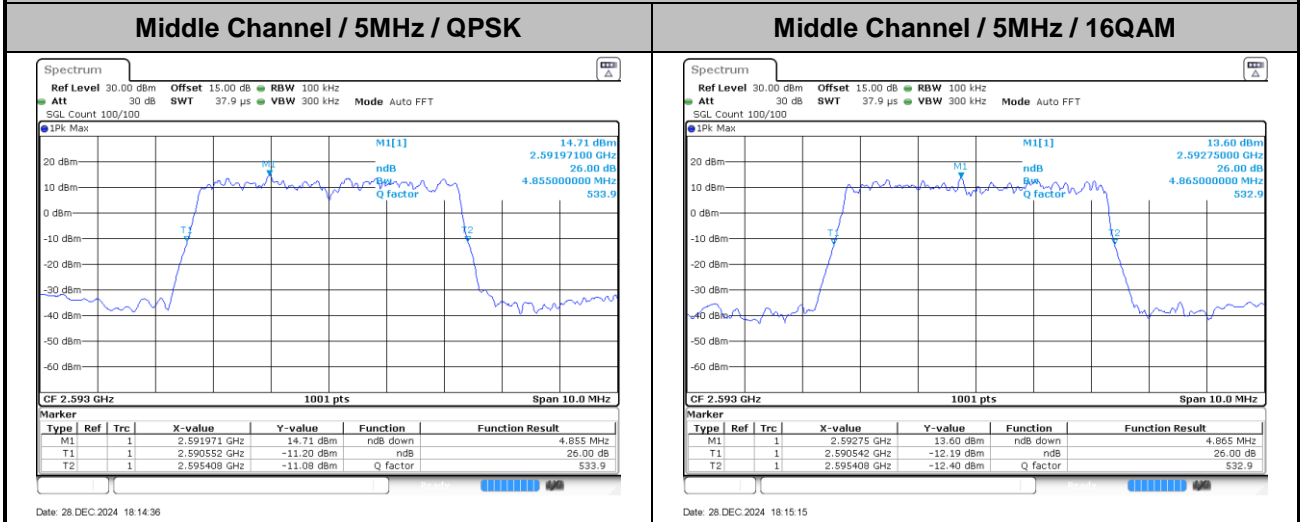
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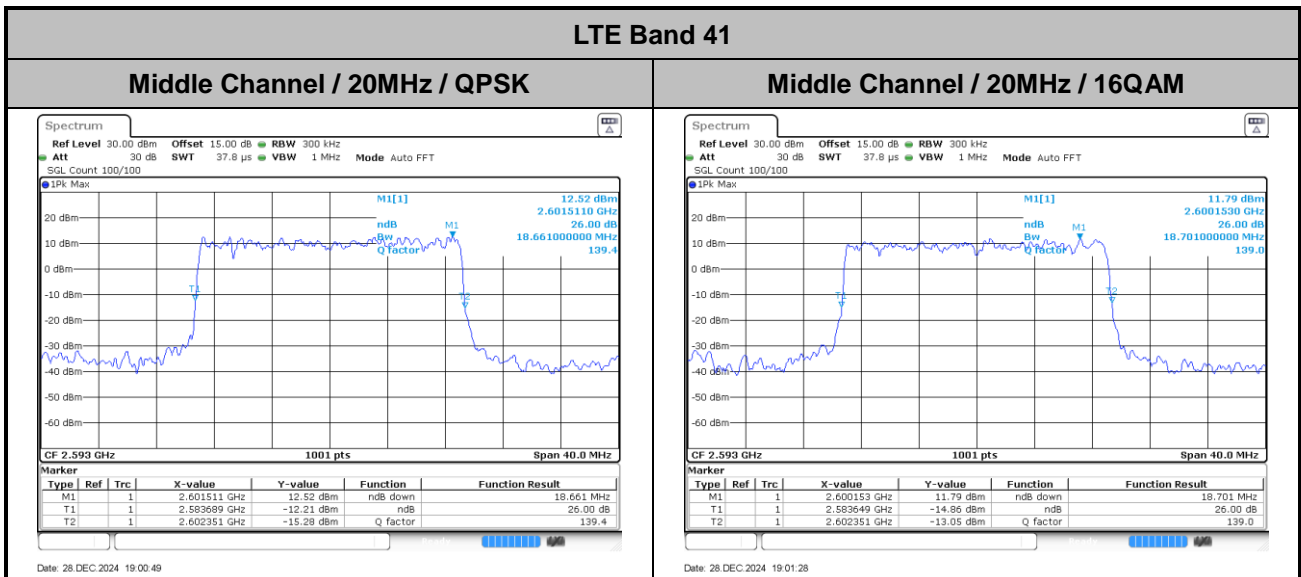
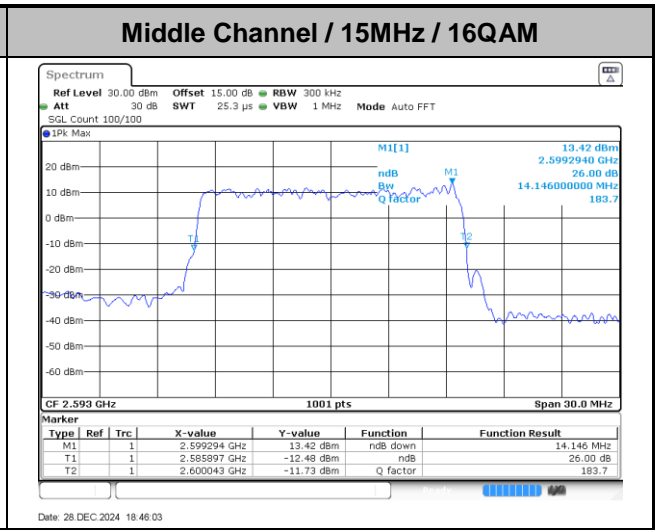
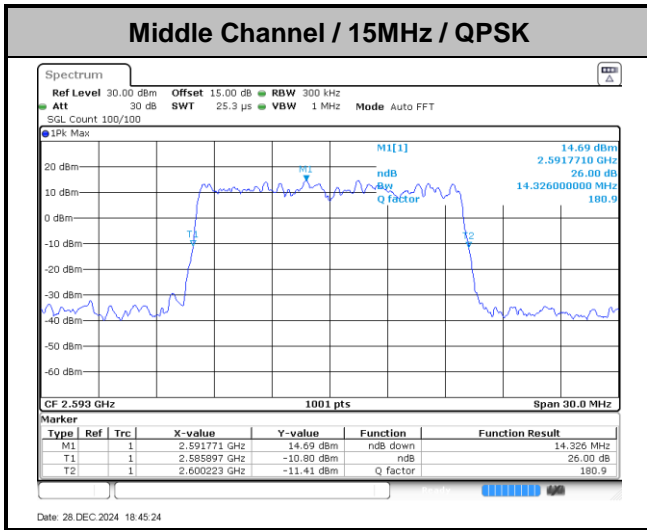


26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.86	4.87	9.61	9.61	14.33	14.15	18.66	18.70

LTE Band 41

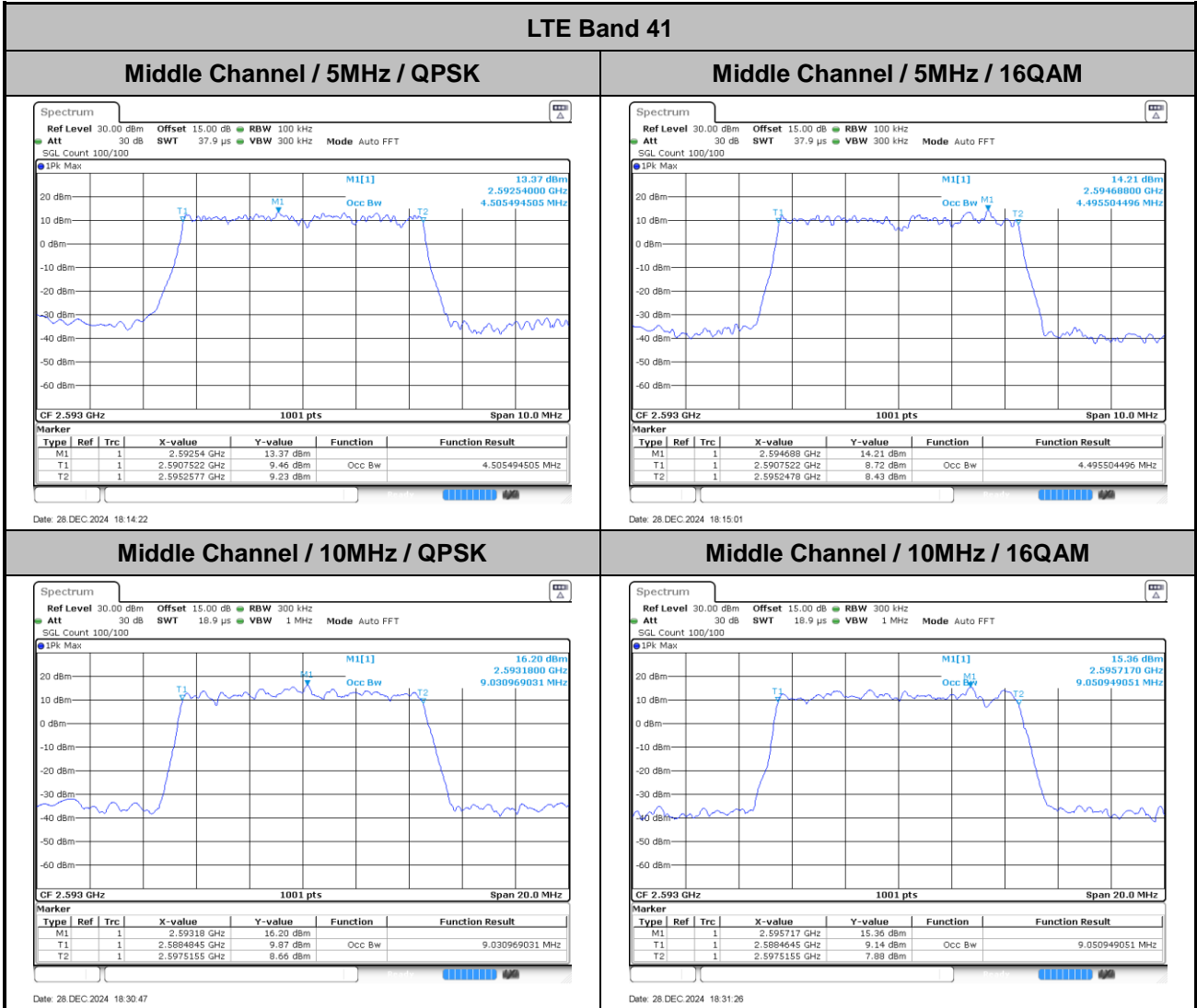


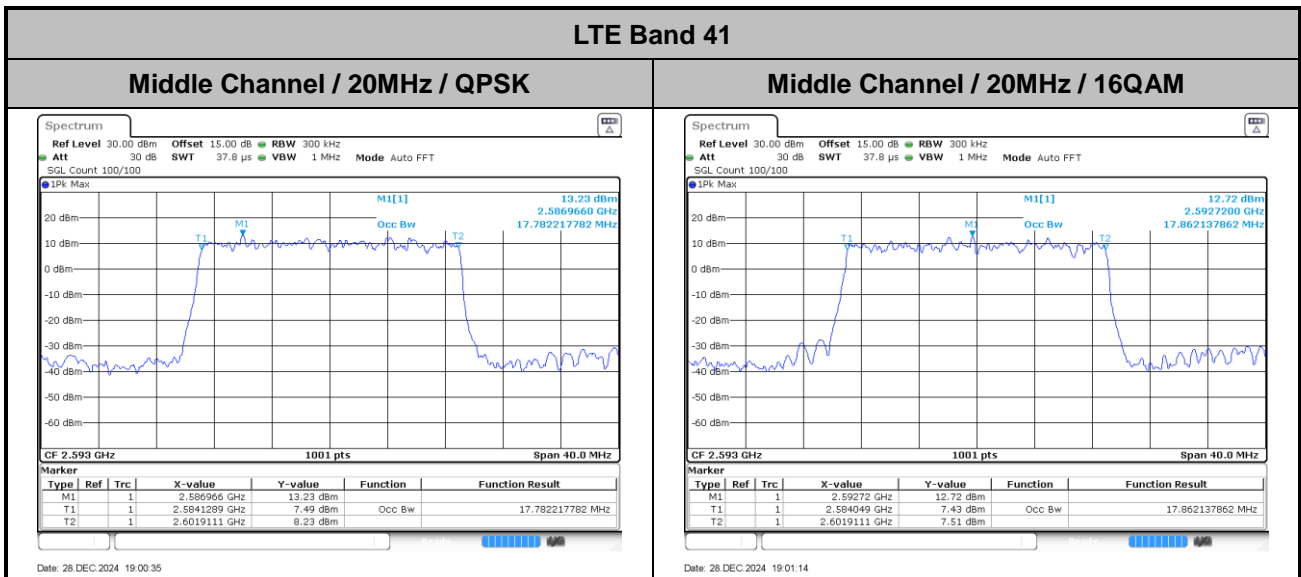
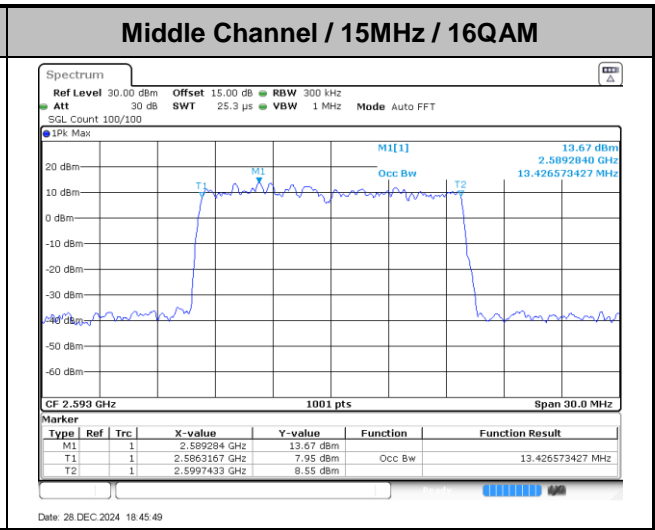
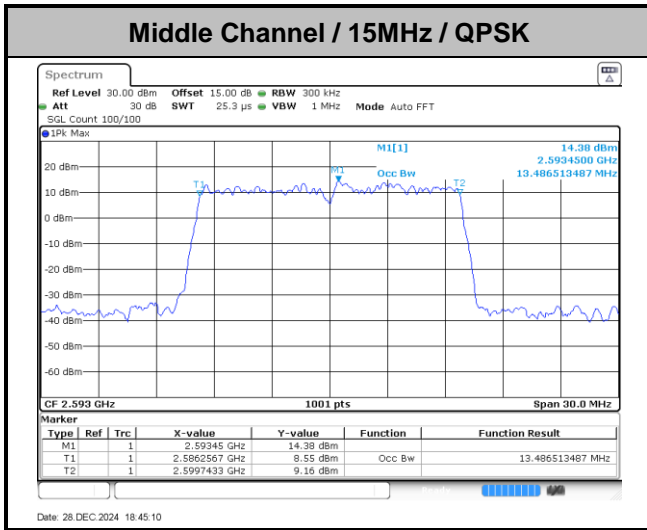




Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.51	4.50	9.03	9.05	13.49	13.43	17.78	17.86



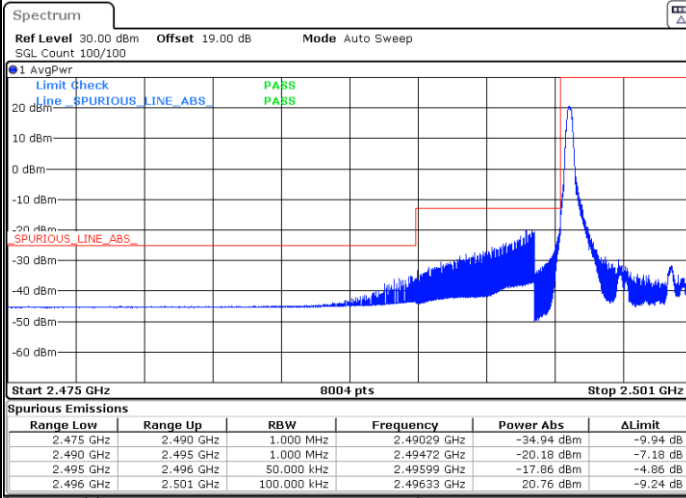




Conducted Band Edge

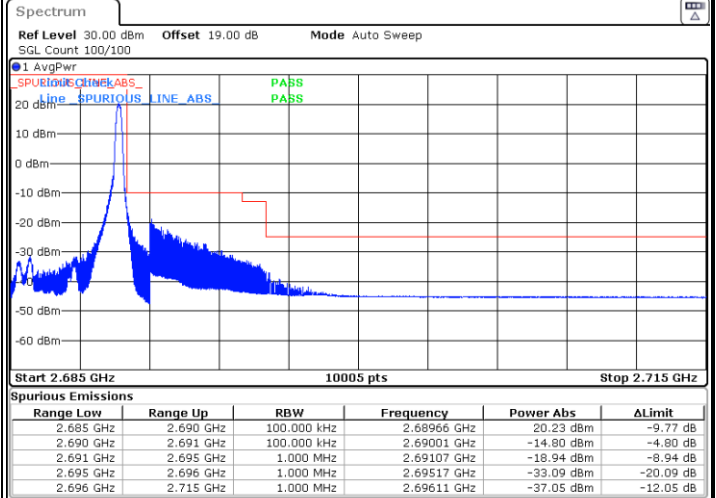
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



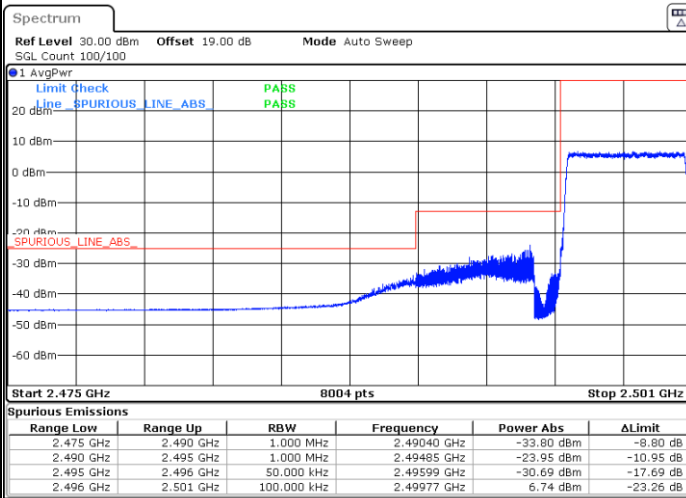
Date: 28 DEC 2024 18:07:30

Highest Band Edge / 1 RB



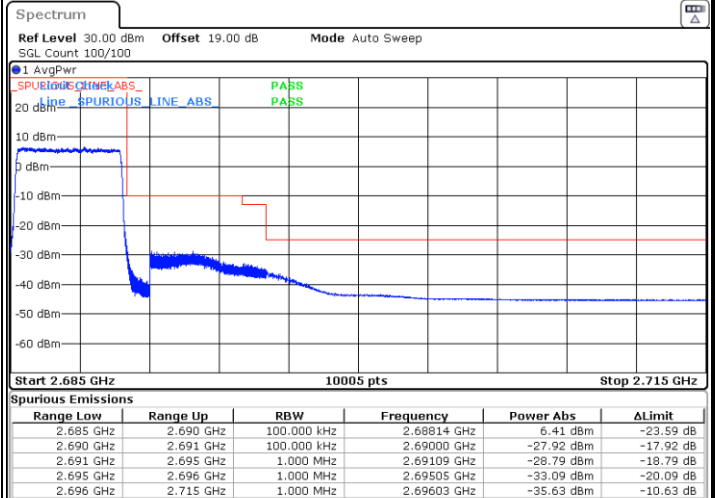
Date: 2 JAN 2025 18:52:37

Lowest Band Edge / Full RB



Date: 28 DEC 2024 18:11:46

Highest Band Edge / Full RB



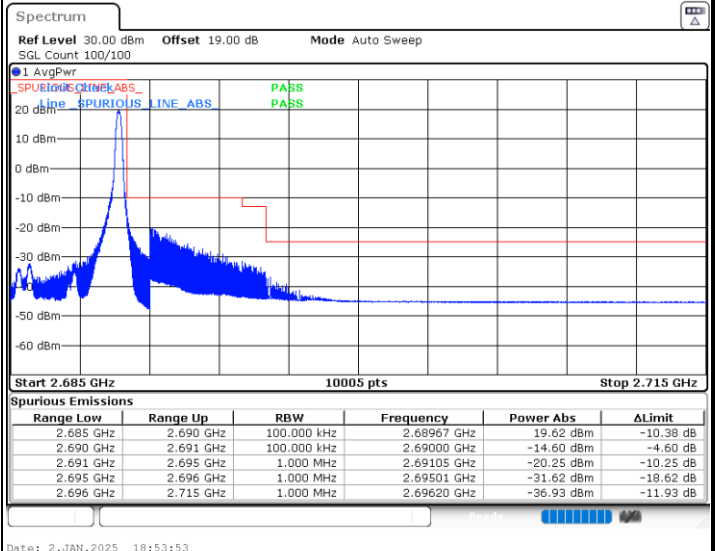
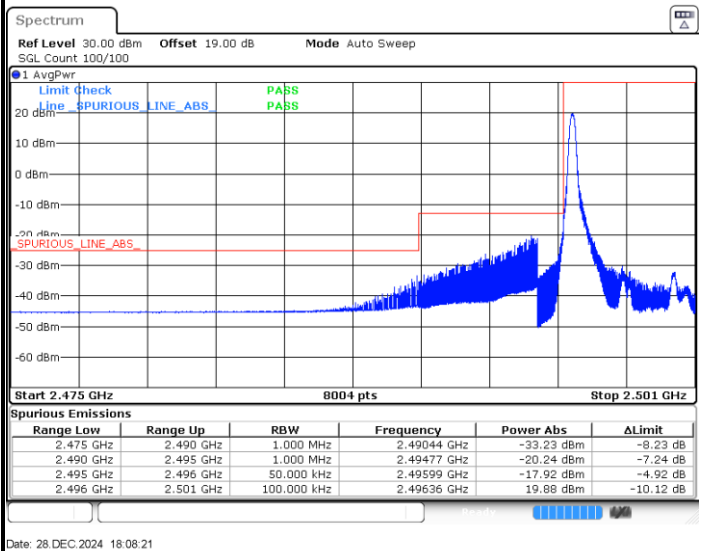
Date: 2 JAN 2025 18:39:43



LTE Band 41 / 5MHz / 16QAM

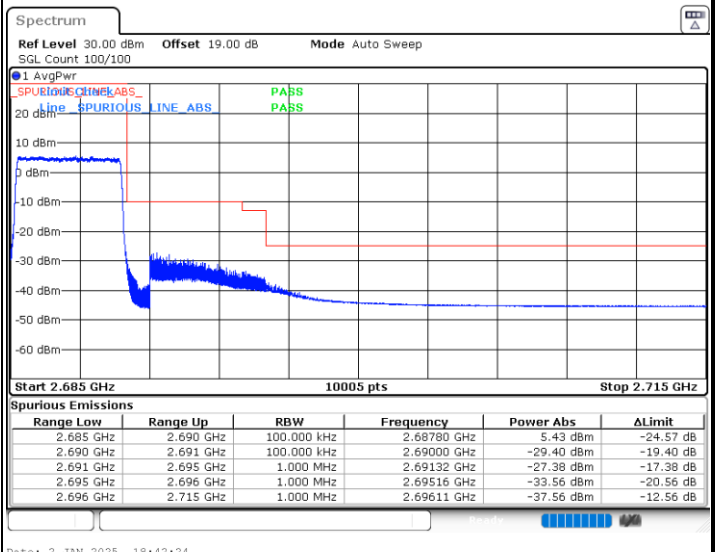
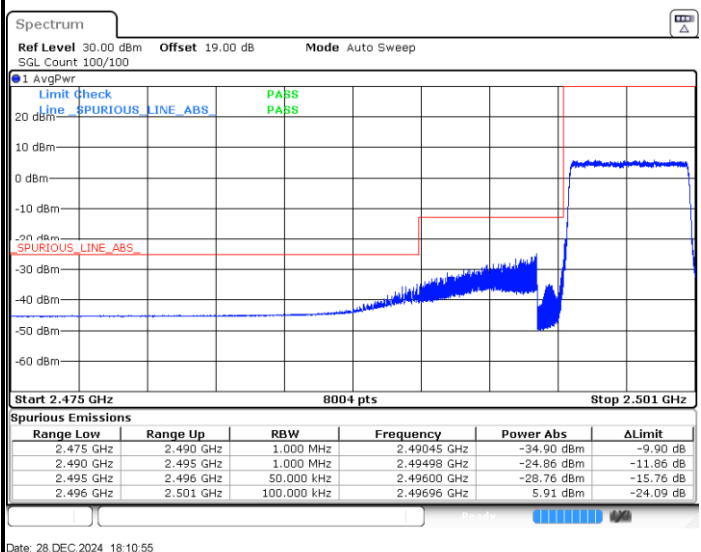
Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

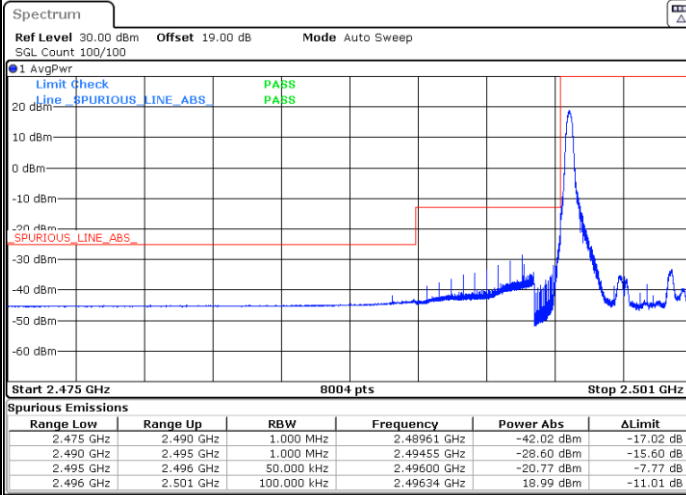
Highest Band Edge / Full RB





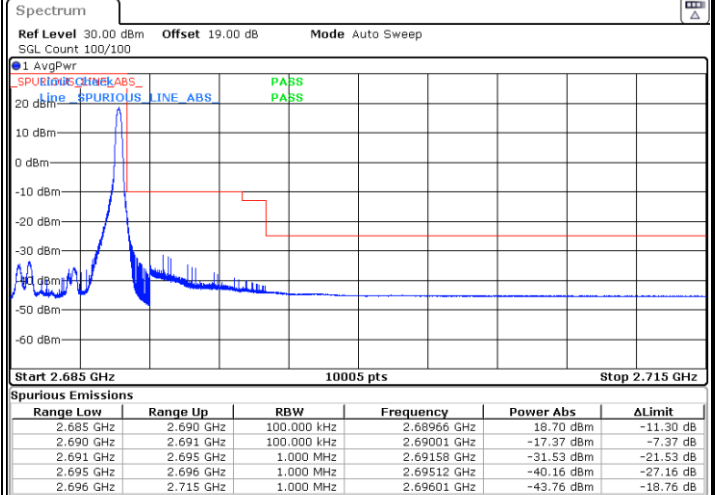
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



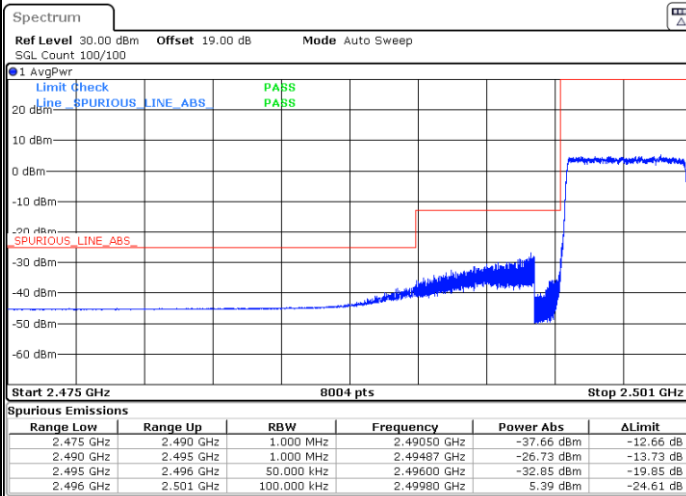
Date: 28 DEC 2024 18:09:12

Highest Band Edge / 1 RB



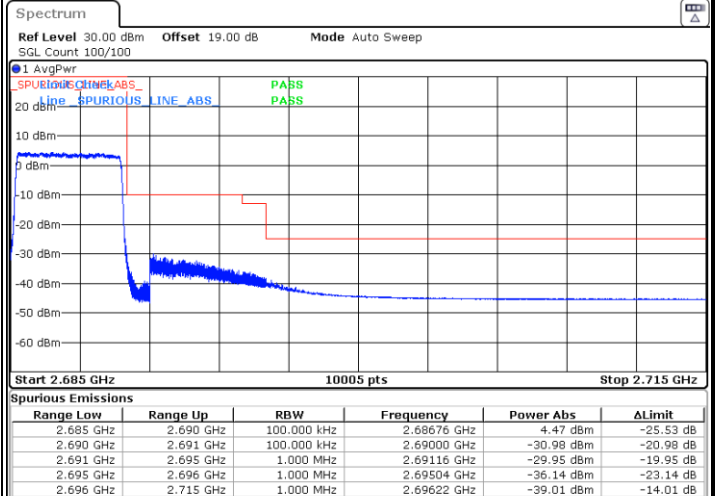
Date: 2 JAN 2025 18:55:09

Lowest Band Edge / Full RB



Date: 28 DEC 2024 18:10:04

Highest Band Edge / Full RB

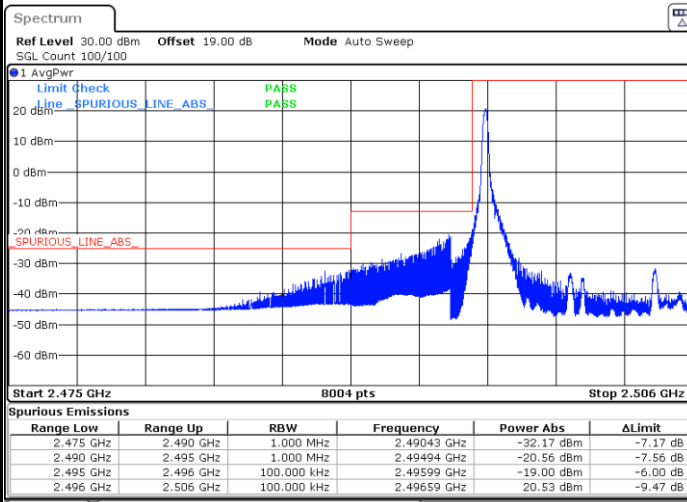


Date: 2 JAN 2025 18:51:21



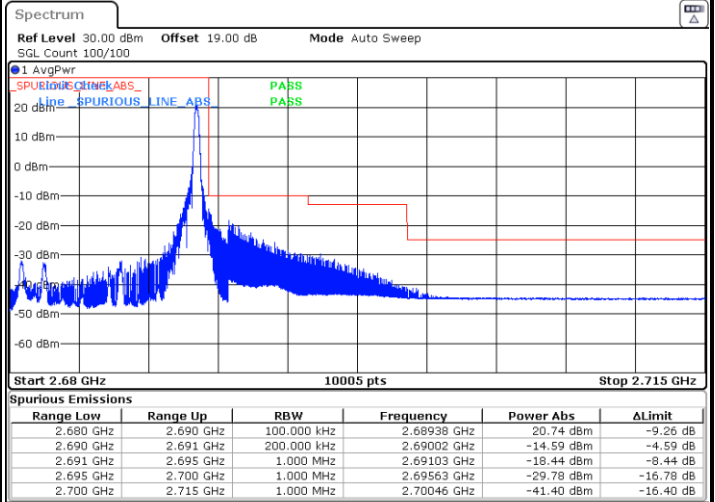
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



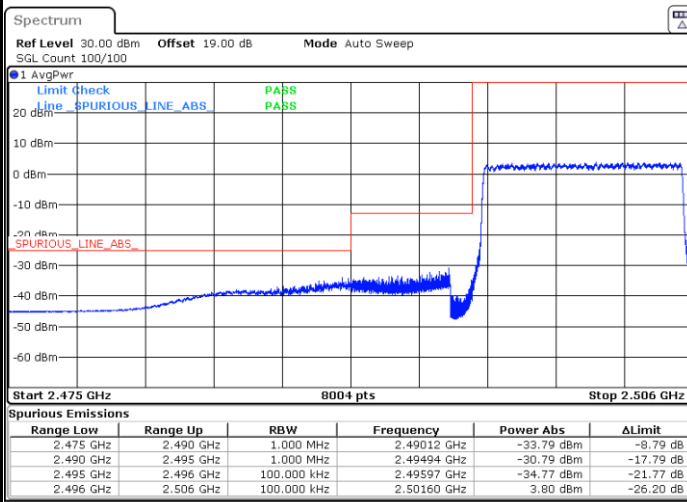
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Highest Band Edge / 1 RB



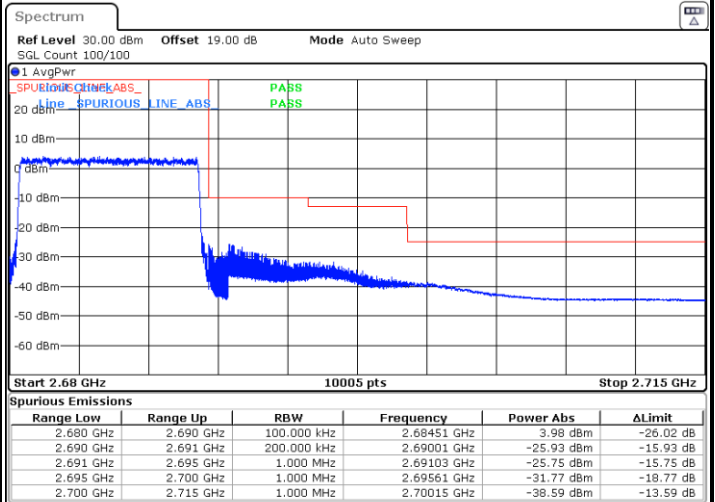
Date: 28 DEC.2024 18:32:25

Lowest Band Edge / Full RB



Date: 28 DEC.2024 18:28:12

Highest Band Edge / Full RB

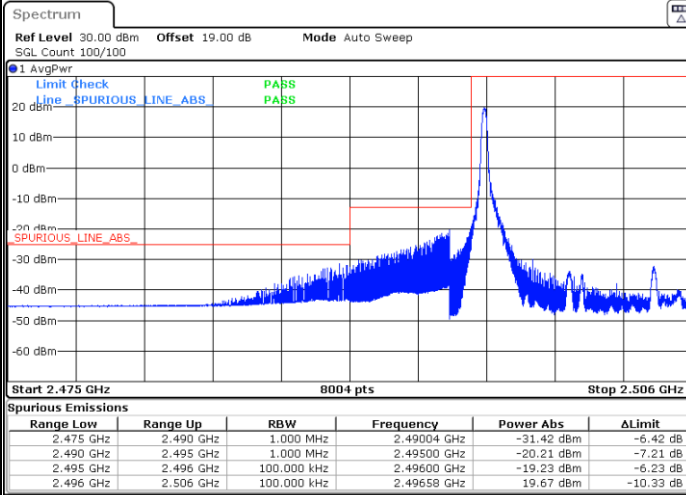


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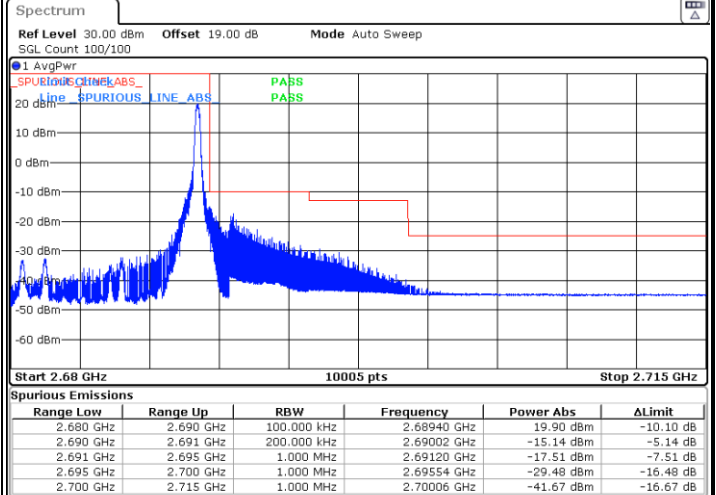
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



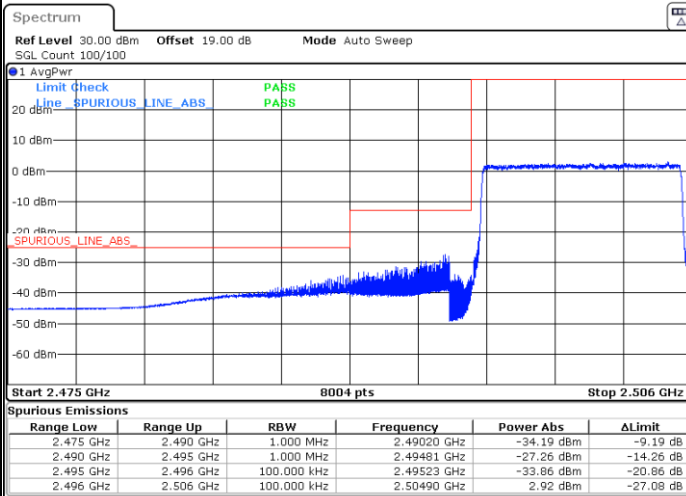
Date: 28 DEC 2024 18:25:00

Highest Band Edge / 1 RB



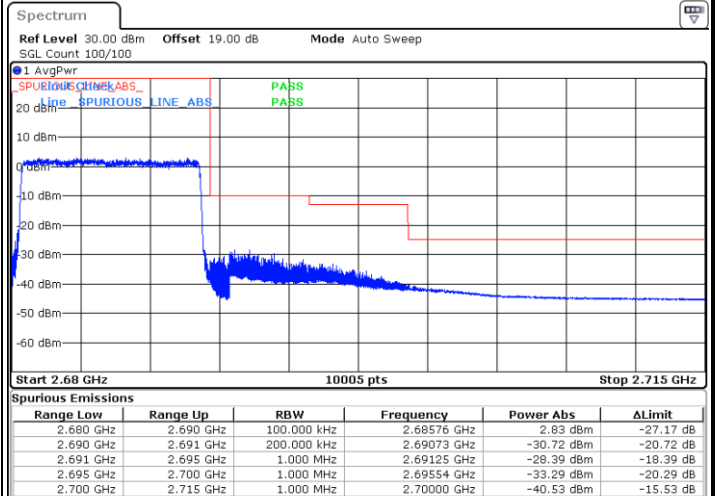
Date: 28 DEC 2024 18:33:10

Lowest Band Edge / Full RB



Date: 28 DEC 2024 18:27:24

Highest Band Edge / Full RB

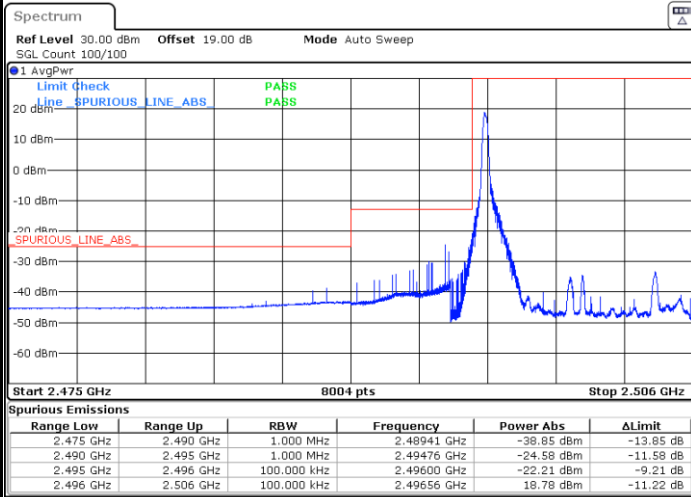


Date: 3 JAN 2025 13:31:02



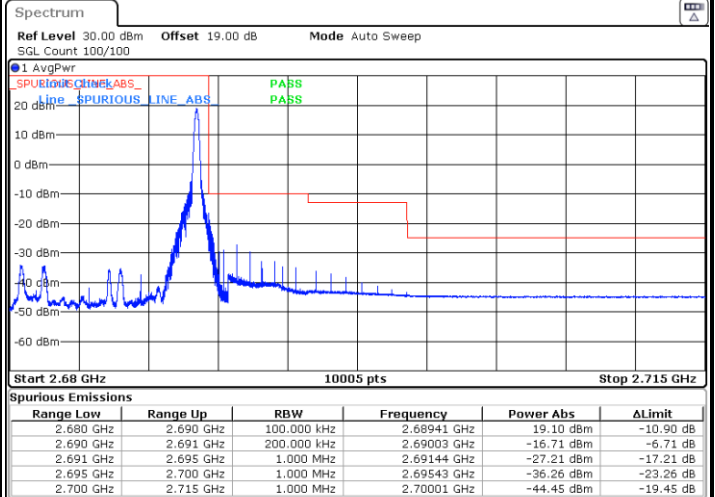
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



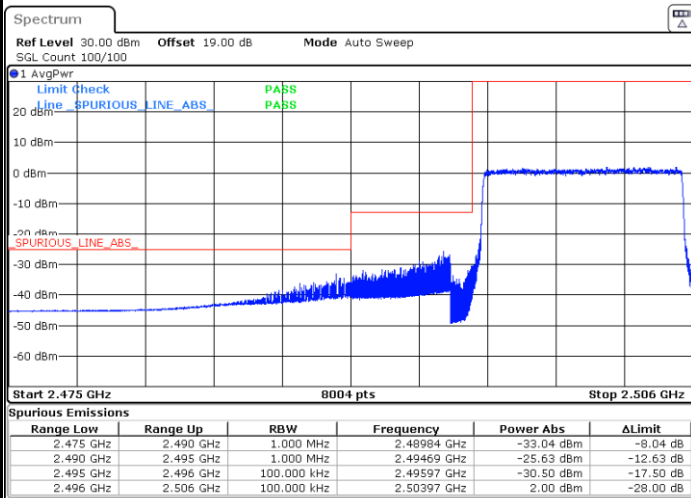
Date: 28 DEC 2024 18:25:48

Highest Band Edge / 1 RB



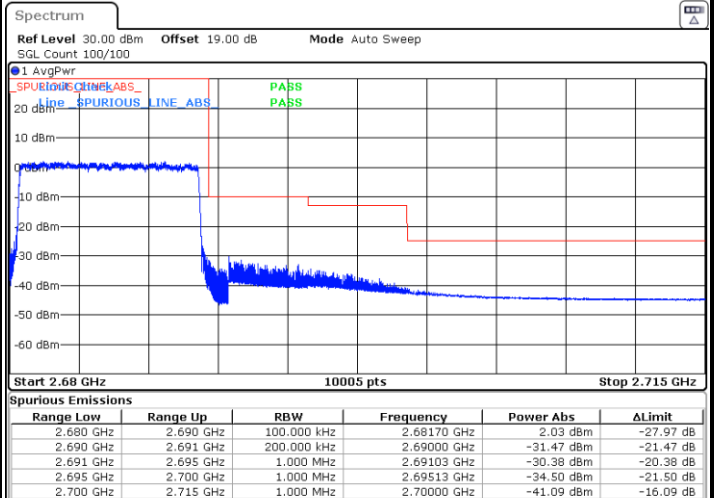
Date: 28 DEC 2024 18:33:56

Lowest Band Edge / Full RB



Date: 28 DEC 2024 18:26:36

Highest Band Edge / Full RB

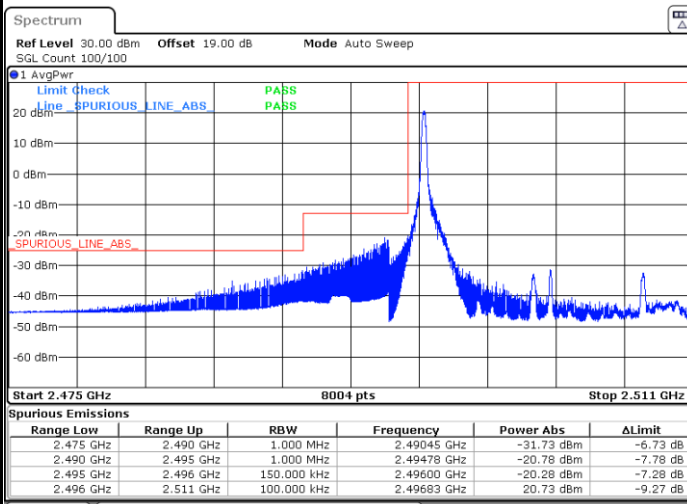


Date: 28 DEC 2024 18:34:41



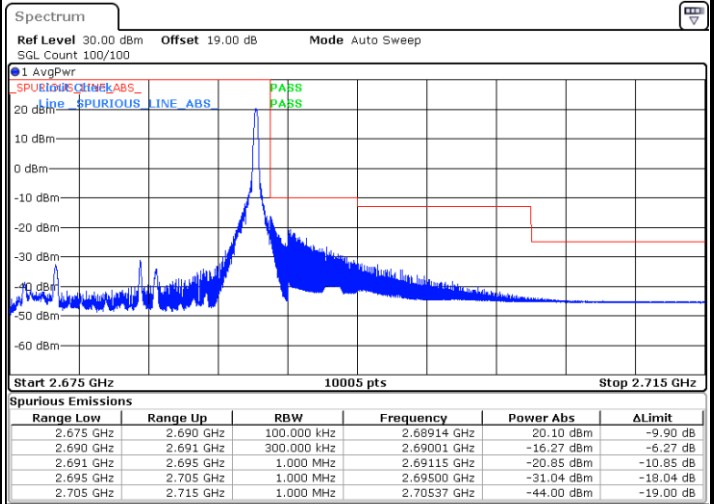
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



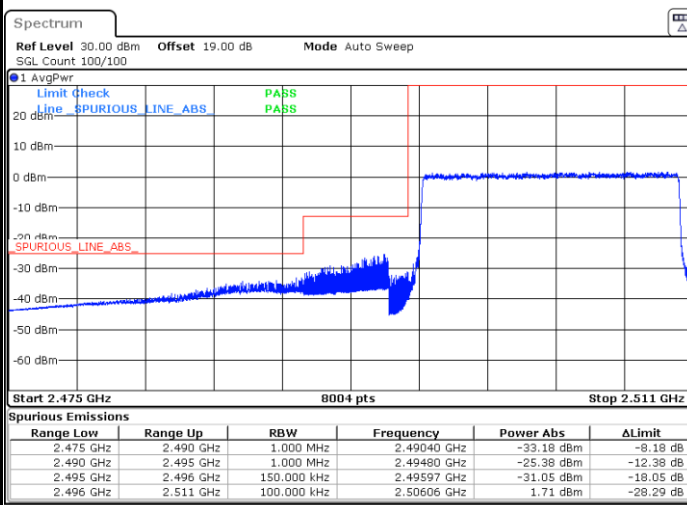
Date: 28 DEC 2024 18:38:46

Highest Band Edge / 1 RB



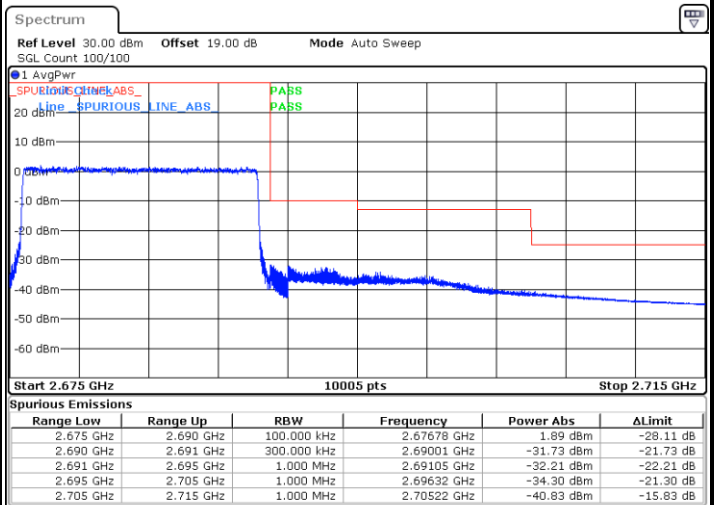
Date: 2 JAN 2025 20:33:02

Lowest Band Edge / Full RB



Date: 2 JAN 2025 19:03:30

Highest Band Edge / Full RB

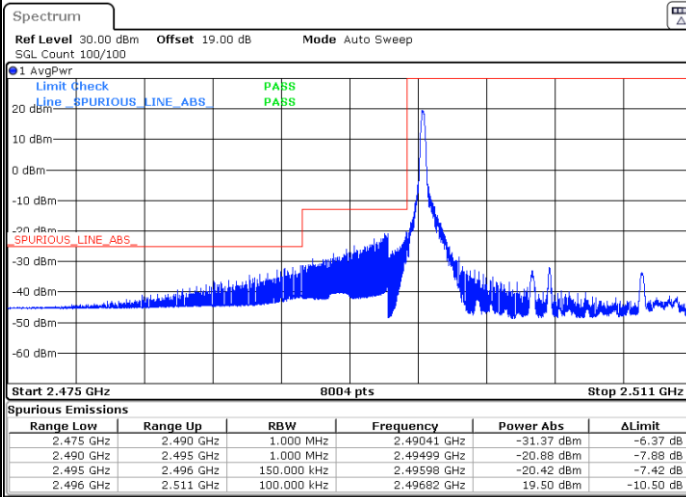


Date: 2 JAN 2025 20:39:23



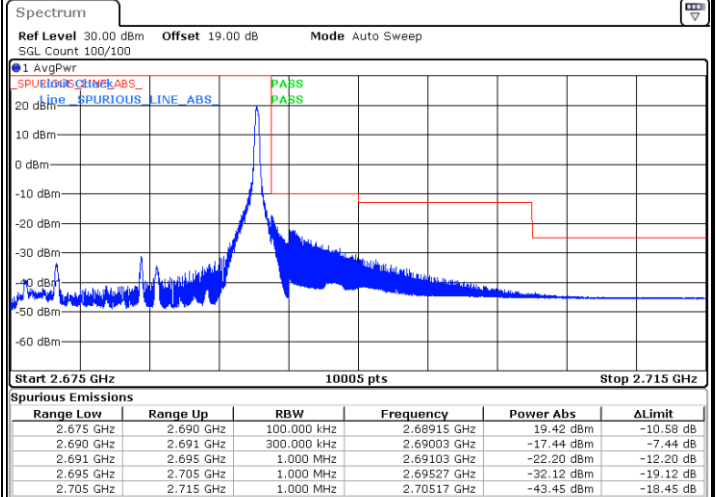
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



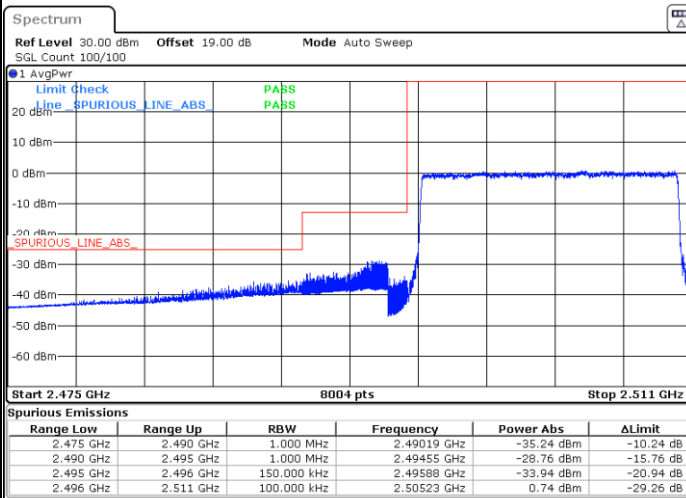
Date: 28 DEC 2024 18:39:32

Highest Band Edge / 1 RB



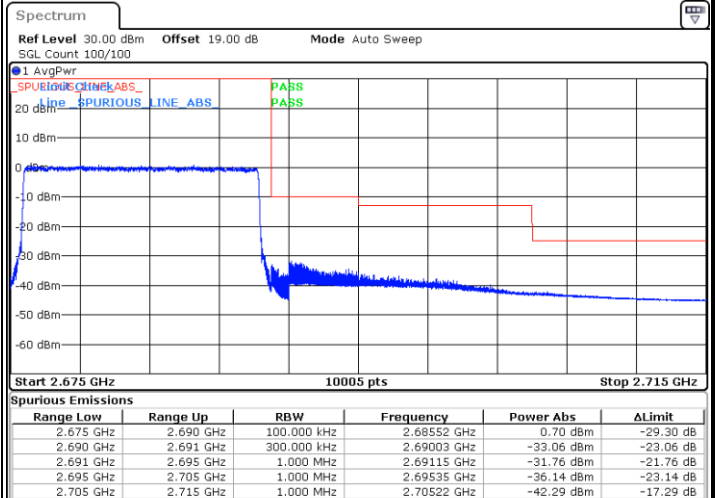
Date: 2 JAN 2025 20:34:18

Lowest Band Edge / Full RB



Date: 2 JAN 2025 19:02:14

Highest Band Edge / Full RB

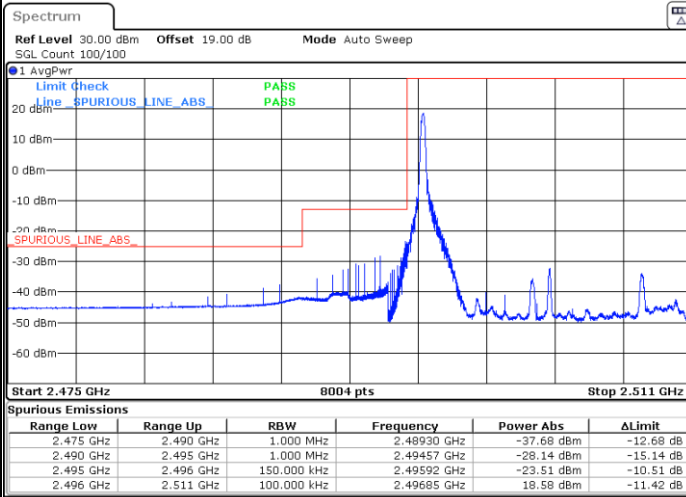


Date: 2 JAN 2025 20:38:07



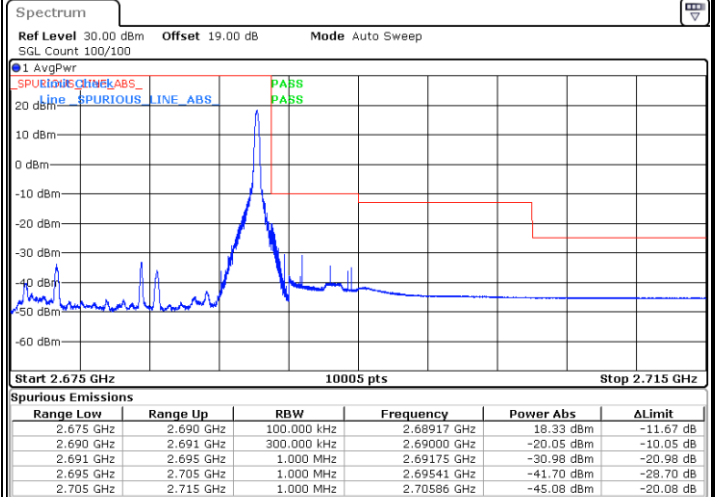
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



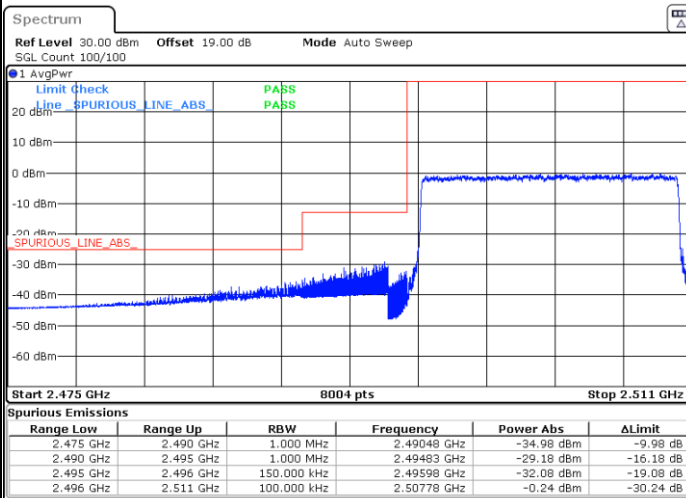
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Highest Band Edge / 1 RB



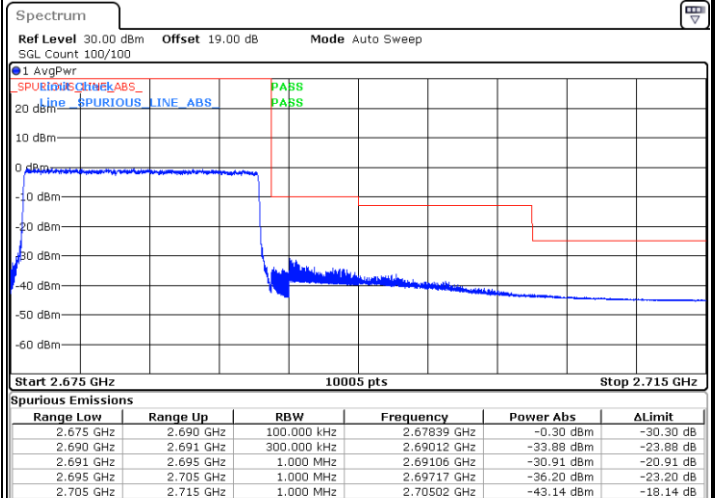
Date: 2 JAN 2025 20:35:34

Lowest Band Edge / Full RB



Date: 2 JAN 2025 19:00:57

Highest Band Edge / Full RB

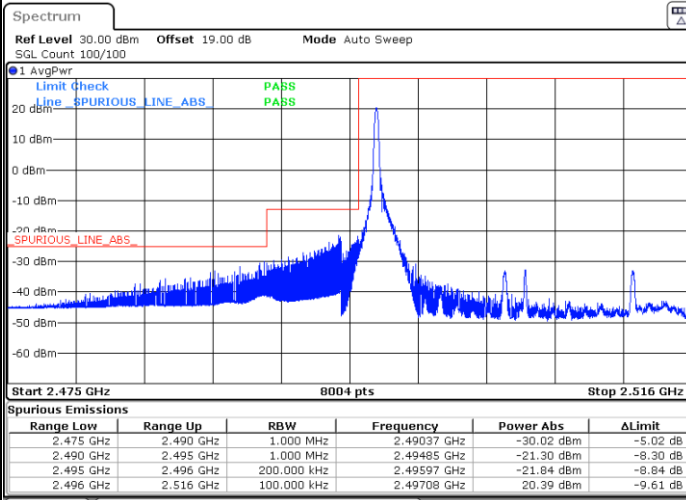


Date: 2 JAN 2025 20:36:51



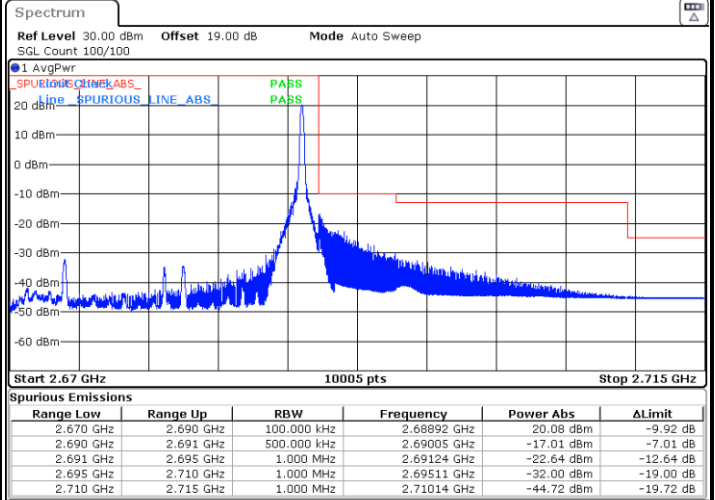
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



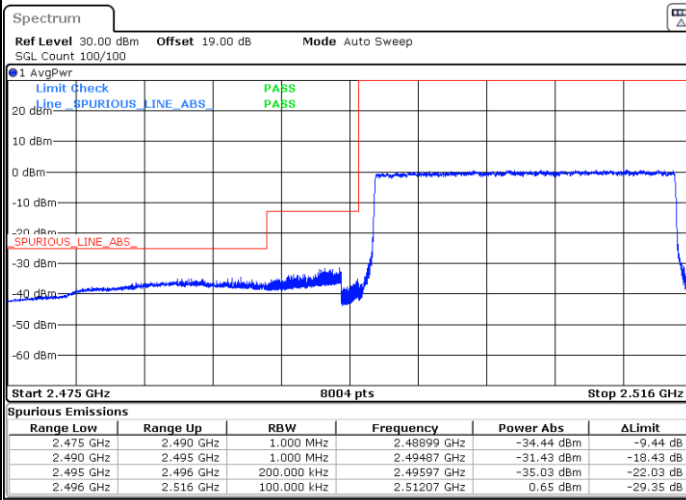
Date: 28 DEC 2024 18:53:59

Highest Band Edge / 1 RB



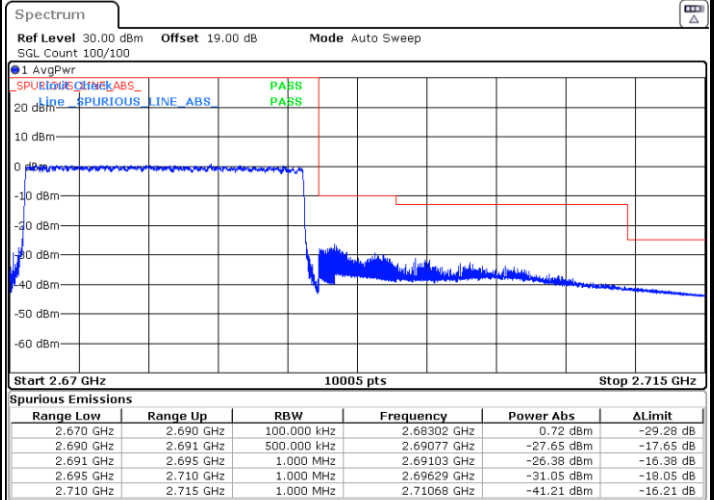
Date: 2 JAN 2025 19:08:01

Lowest Band Edge / Full RB



Date: 28 DEC 2024 18:57:59

Highest Band Edge / Full RB

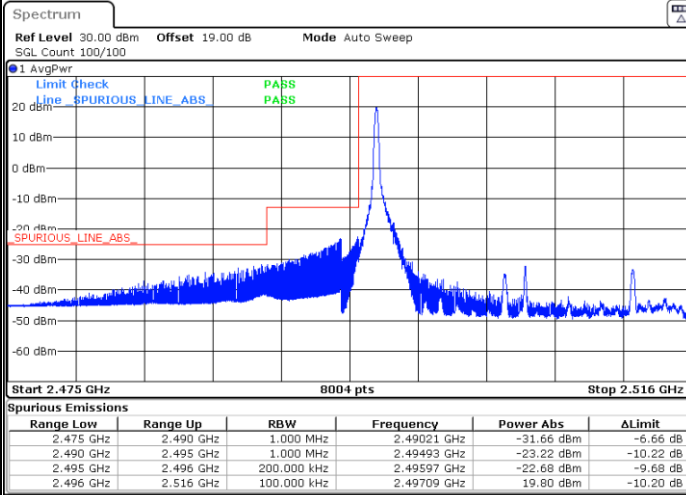


Date: 2 JAN 2025 19:13:06



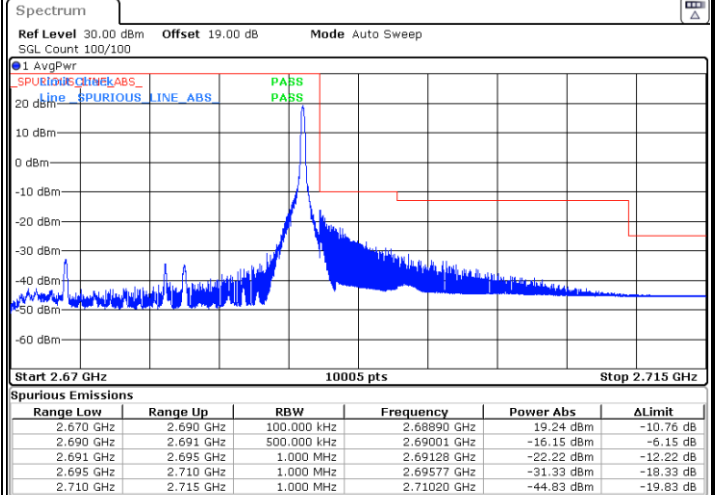
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



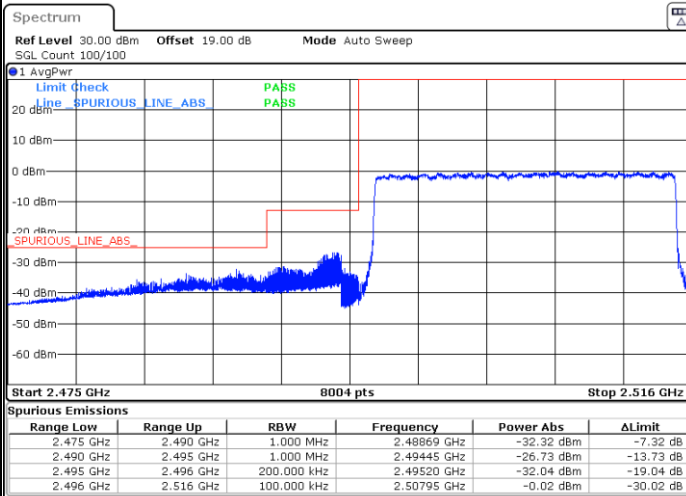
Date: 28 DEC 2024 18:54:47

Highest Band Edge / 1 RB



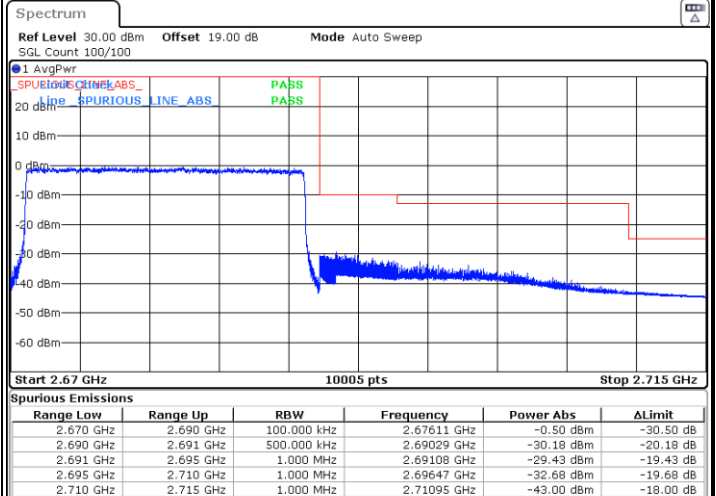
Date: 2 JAN 2025 19:06:45

Lowest Band Edge / Full RB



Date: 28 DEC 2024 18:57:11

Highest Band Edge / Full RB

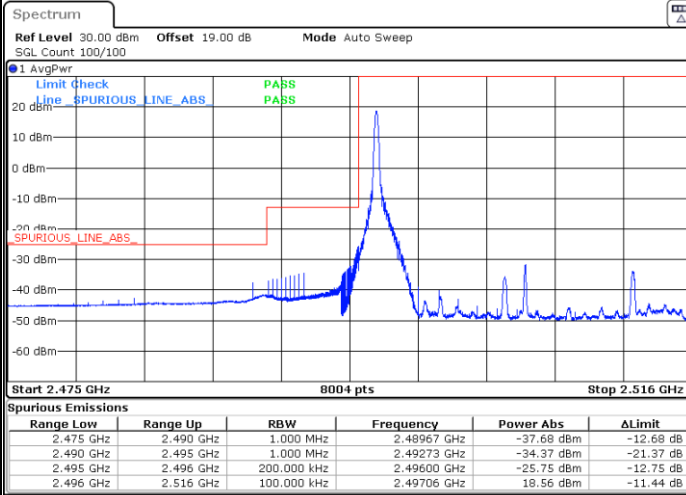


Date: 2 JAN 2025 19:14:22



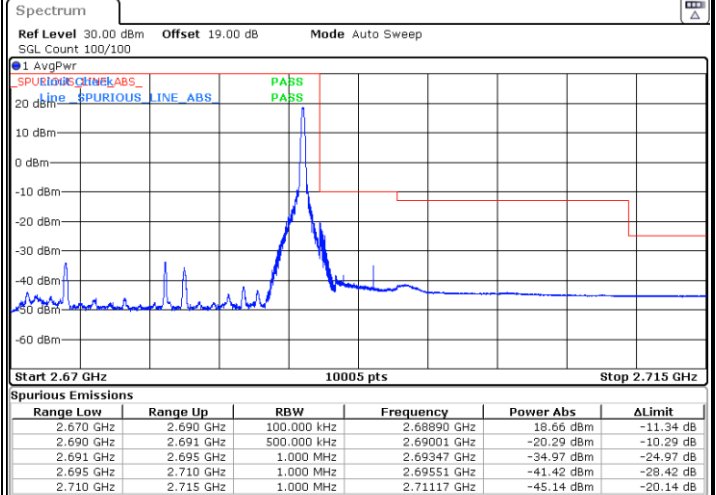
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



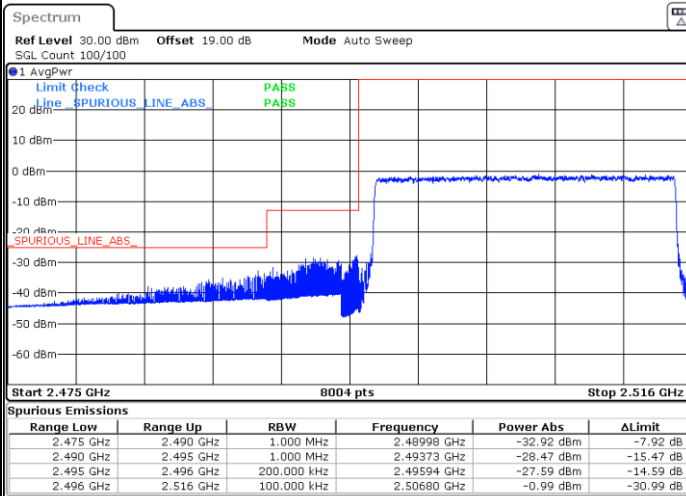
Date: 28 DEC 2024 18:55:35

Highest Band Edge / 1 RB



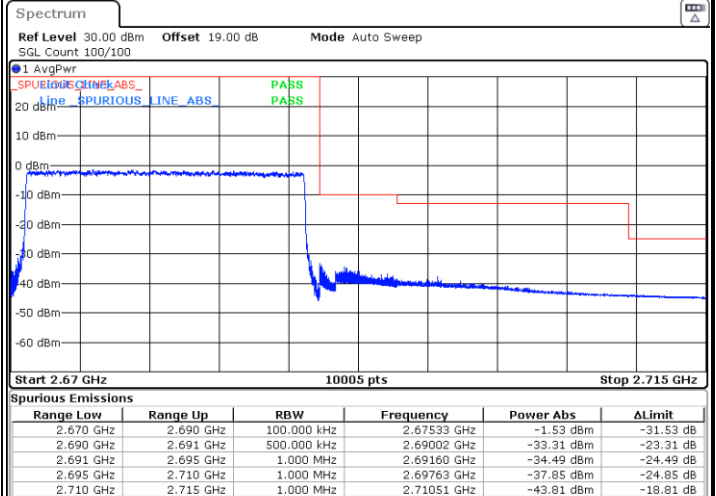
Date: 2 JAN 2025 19:05:29

Lowest Band Edge / Full RB



Date: 28 DEC 2024 18:56:22

Highest Band Edge / Full RB



Date: 2 JAN 2025 19:15:38

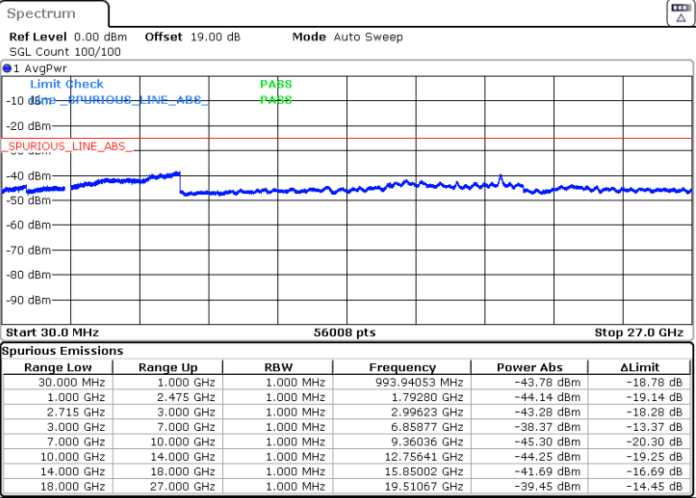
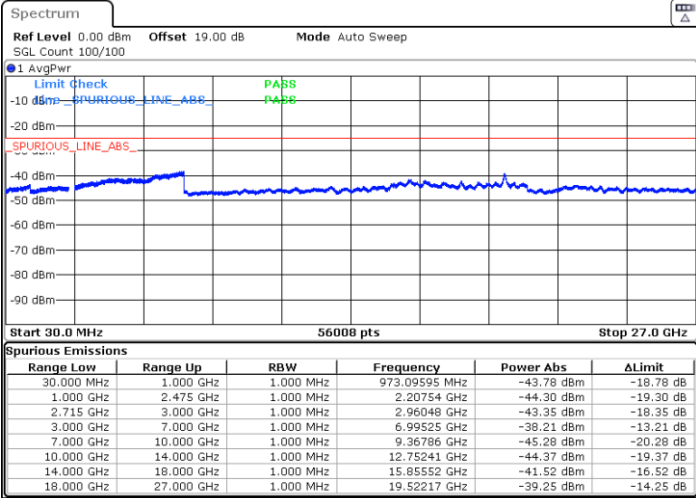


Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

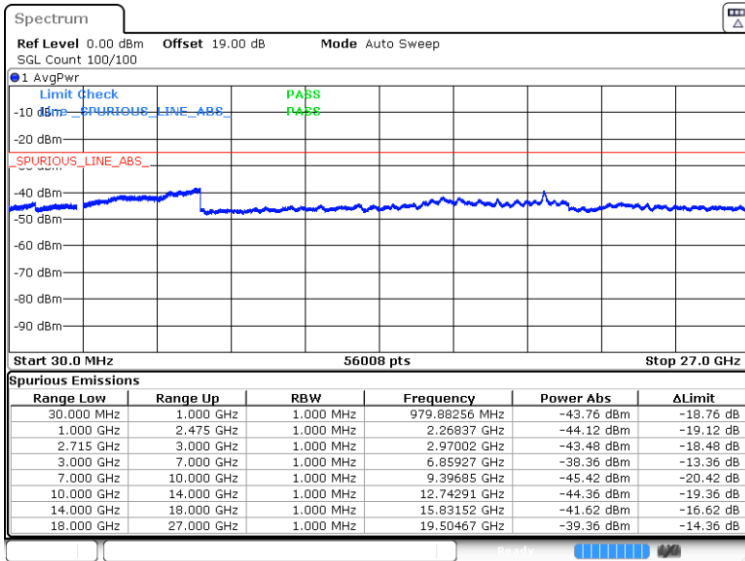
Middle Channel / QPSK



Date: 28.DEC.2024 18:12:51

Date: 28.DEC.2024 18:13:56

Highest Channel / QPSK



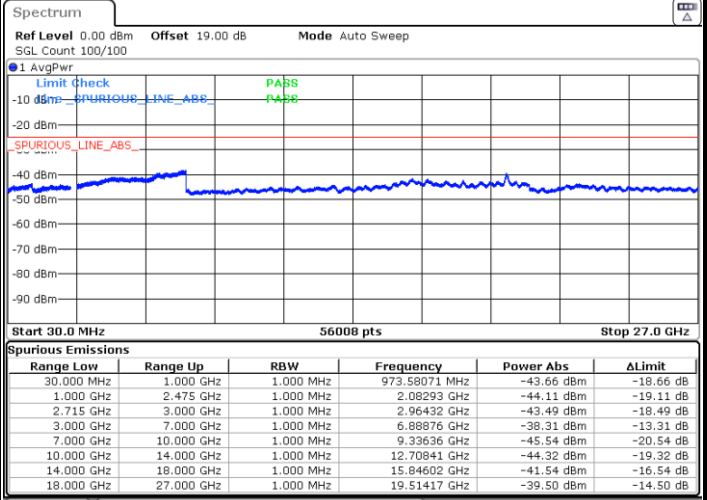
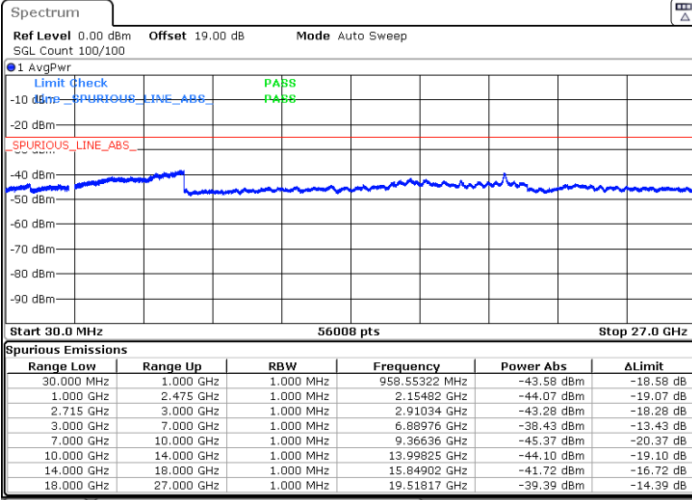
Date: 28.DEC.2024 18:22:41



LTE Band 41 / 10MHz

Lowest Channel / QPSK

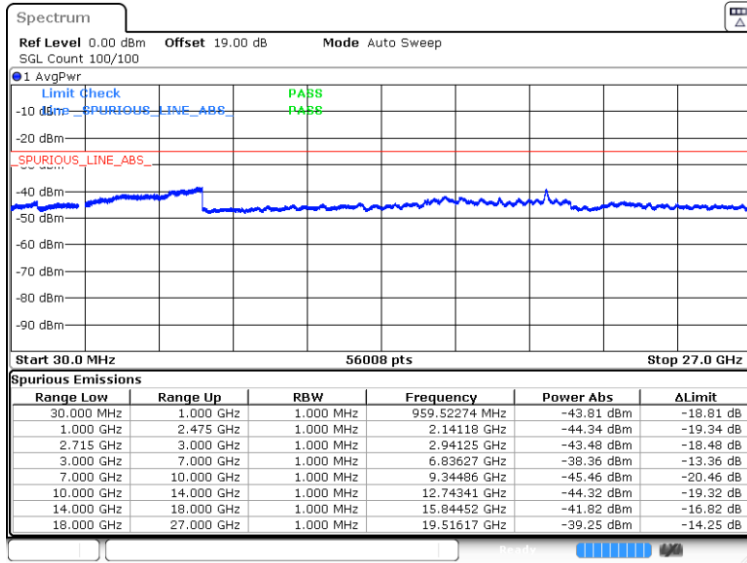
Middle Channel / QPSK



Date: 28. DEC 2024 18:29:17

Date: 28. DEC 2024 18:30:21

Highest Channel / QPSK



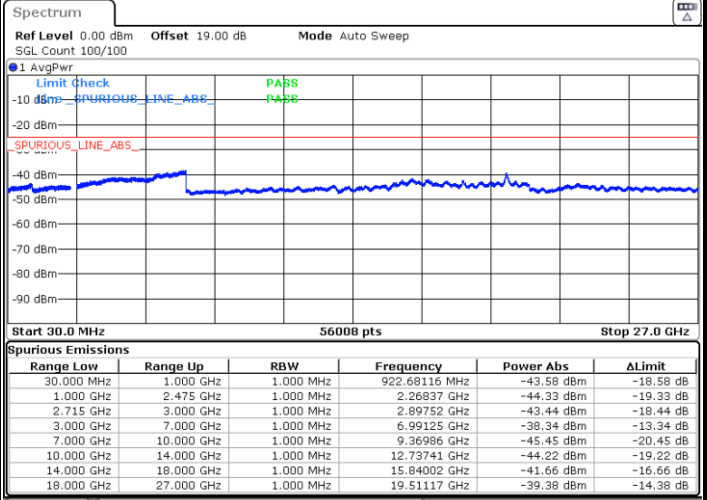
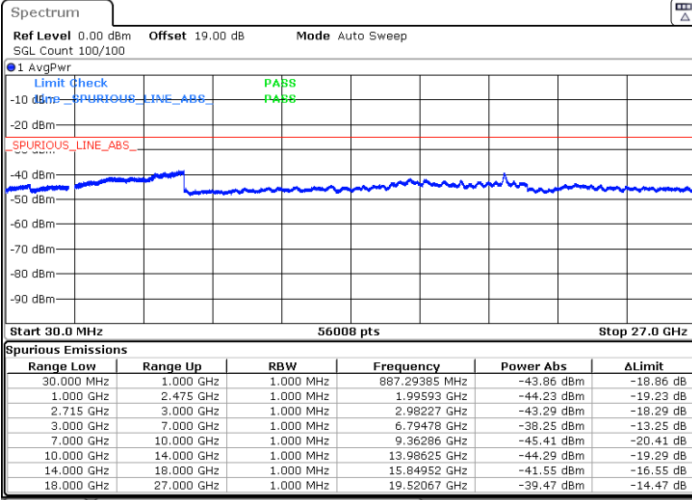
Date: 28. DEC 2024 18:37:18



LTE Band 41 / 15MHz

Lowest Channel / QPSK

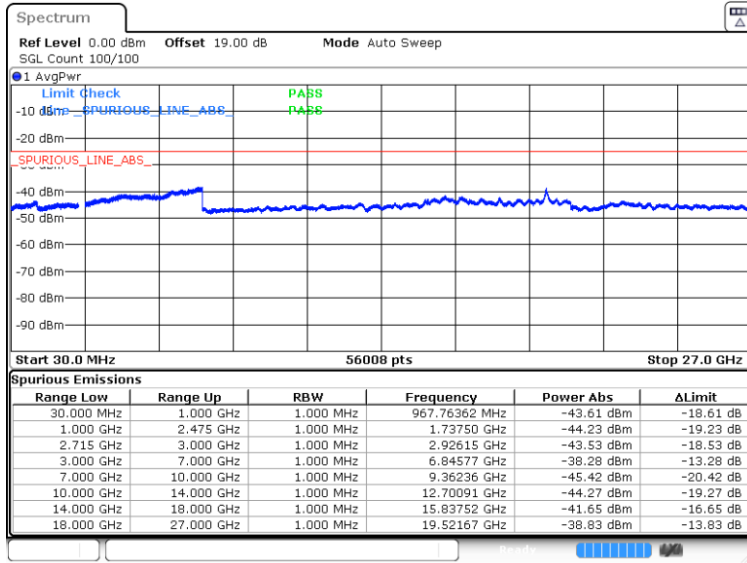
Middle Channel / QPSK



Date: 28.DEC.2024 18:43:40

Date: 28.DEC.2024 18:44:44

Highest Channel / QPSK



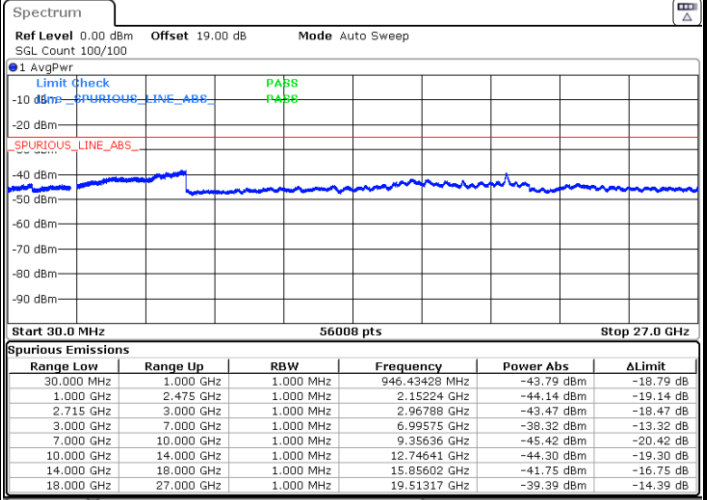
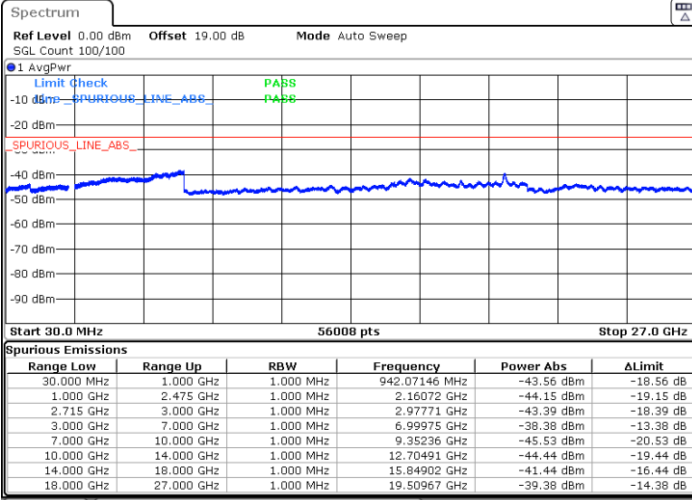
Date: 28.DEC.2024 18:52:28



LTE Band 41 / 20MHz

Lowest Channel / QPSK

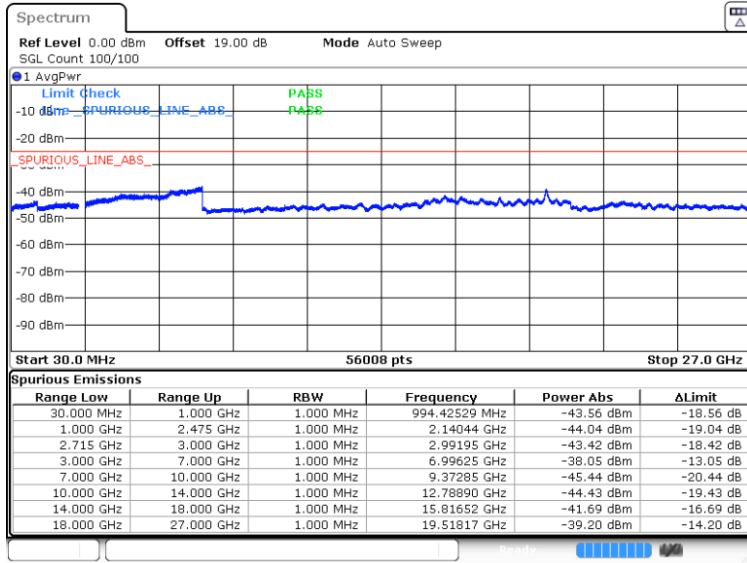
Middle Channel / QPSK



Date: 28.DEC.2024 18:59:04

Date: 28.DEC.2024 19:00:08

Highest Channel / QPSK



Date: 28.DEC.2024 19:09:14



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0037	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0030	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0033	
-30	Normal Voltage	0.0033	
20	Maximum Voltage	0.0044	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0030	

Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



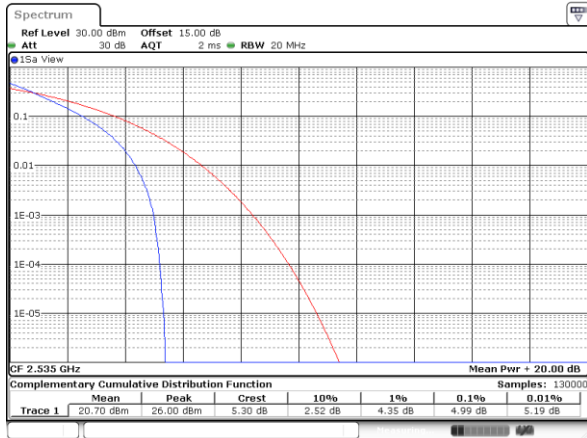
LTE Band 7(Other PA)

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	4.99	5.68	6.49	PASS

LTE Band 7 / 20MHz / QPSK

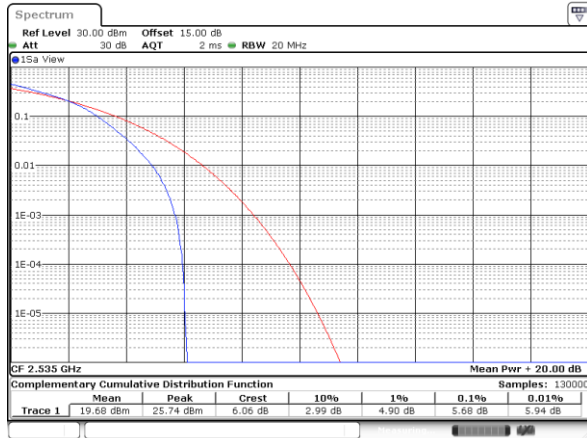
Middle Channel / Full RB



Date: 6.JAN.2025 17:09:01

LTE Band 7 / 20MHz / 16QAM

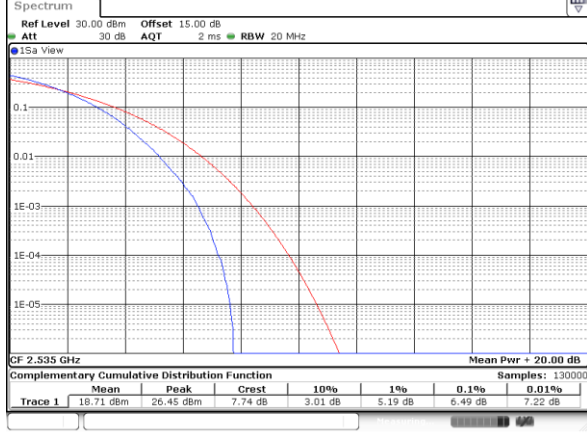
Middle Channel / Full RB



Date: 6.JAN.2025 17:09:28

LTE Band 7 / 20MHz / 64QAM

Middle Channel / Full RB



Date: 6.JAN.2025 17:09:55



26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.95	4.89	9.75	9.69	14.24	14.27	19.06	18.98

LTE Band 7

