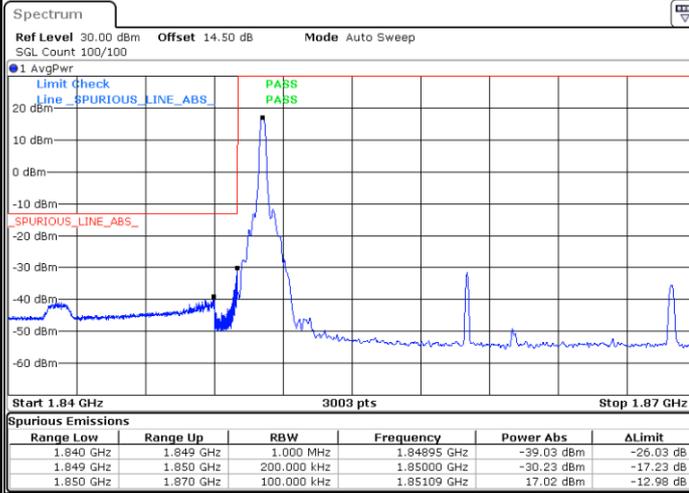




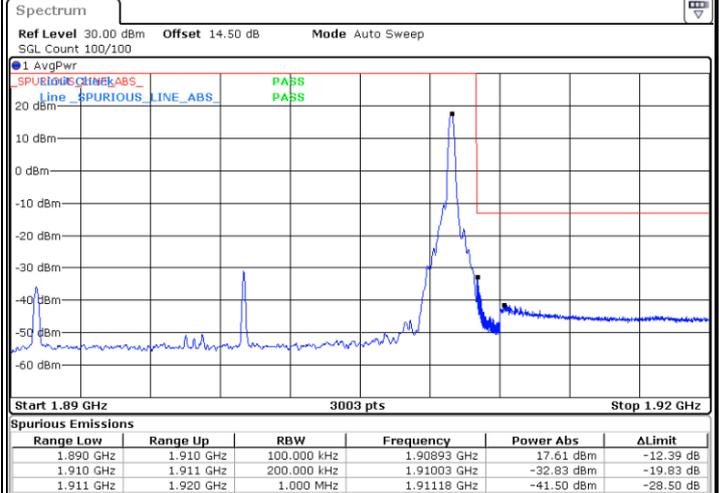
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



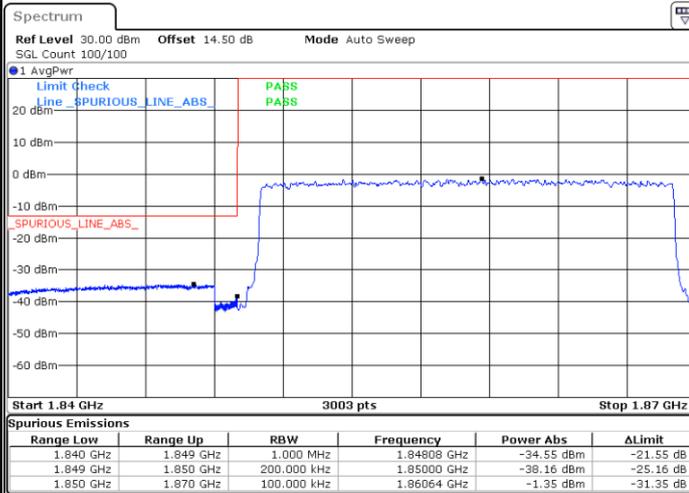
Date: 16.AUG.2024 13:16:39

Highest Band Edge / 1 RB



Date: 16.AUG.2024 13:28:56

Lowest Band Edge / Full RB



Date: 16.AUG.2024 13:19:29

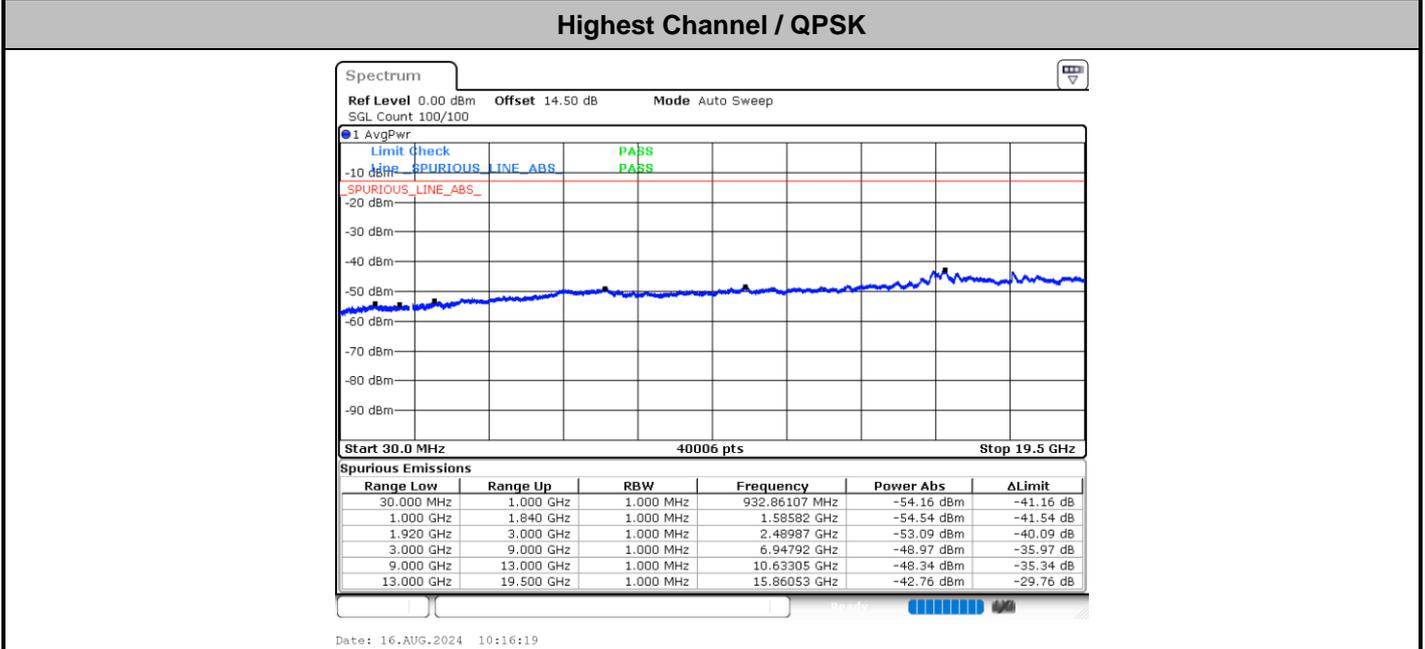
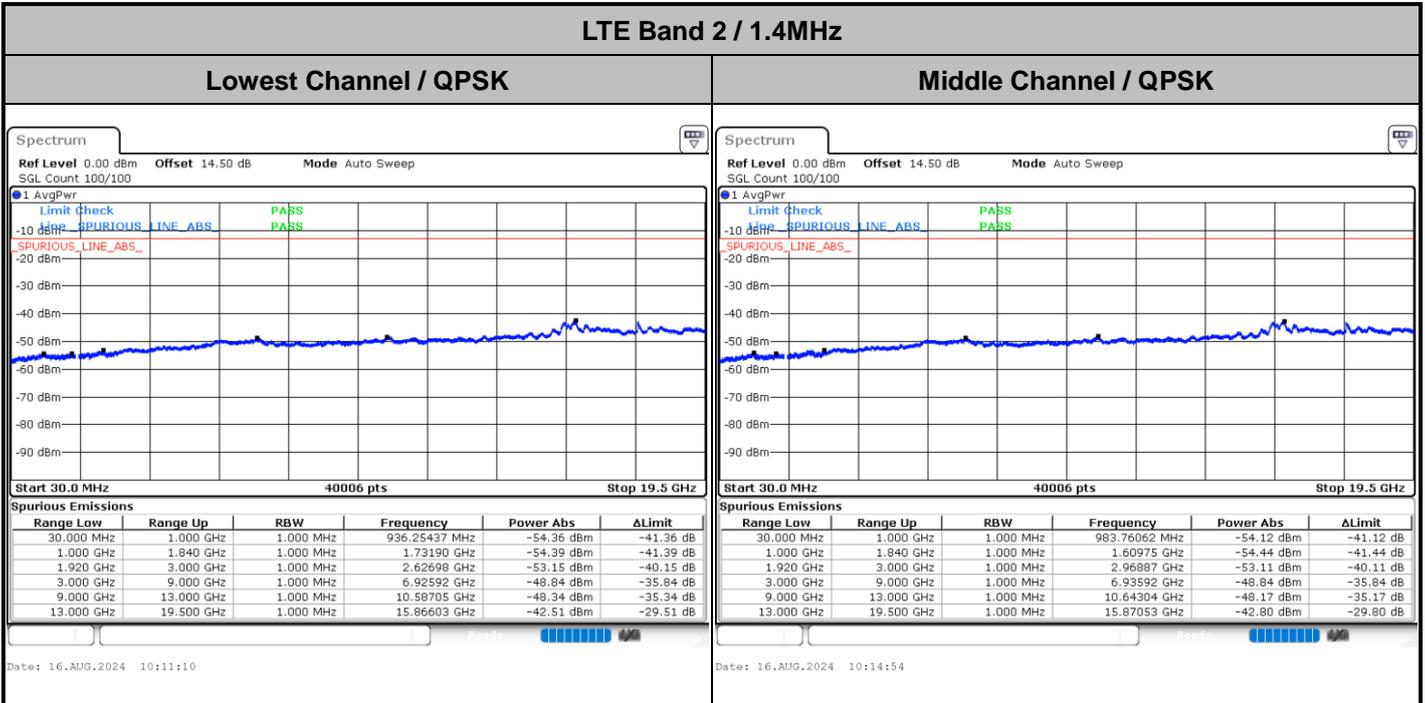
Highest Band Edge / Full RB



Date: 16.AUG.2024 13:30:55



Conducted Spurious Emission

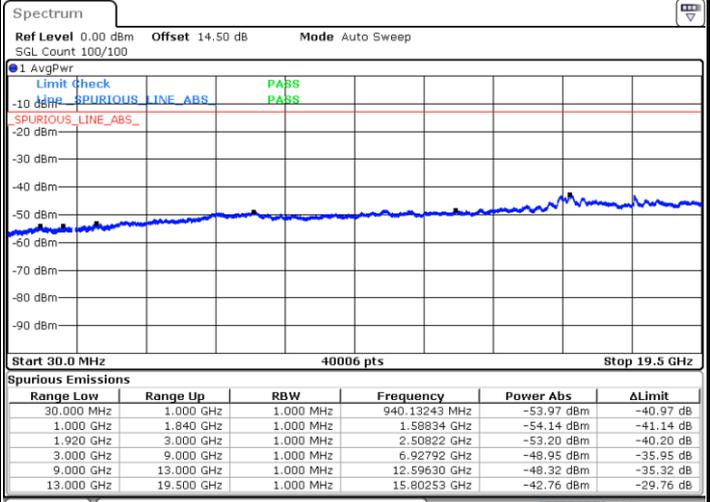
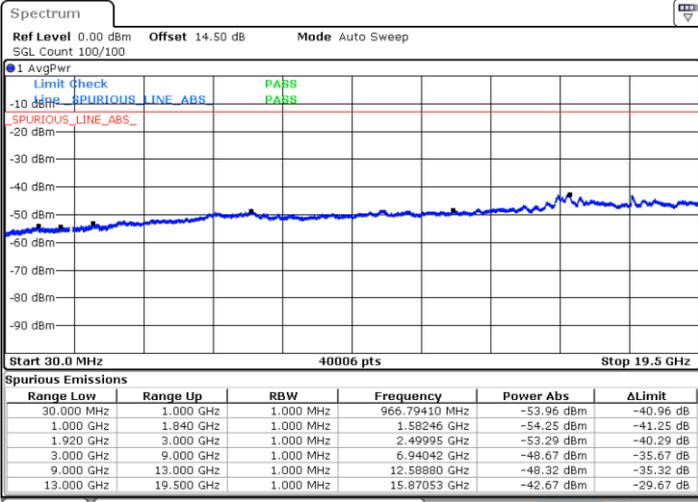




LTE Band 2 / 3MHz

Lowest Channel / QPSK

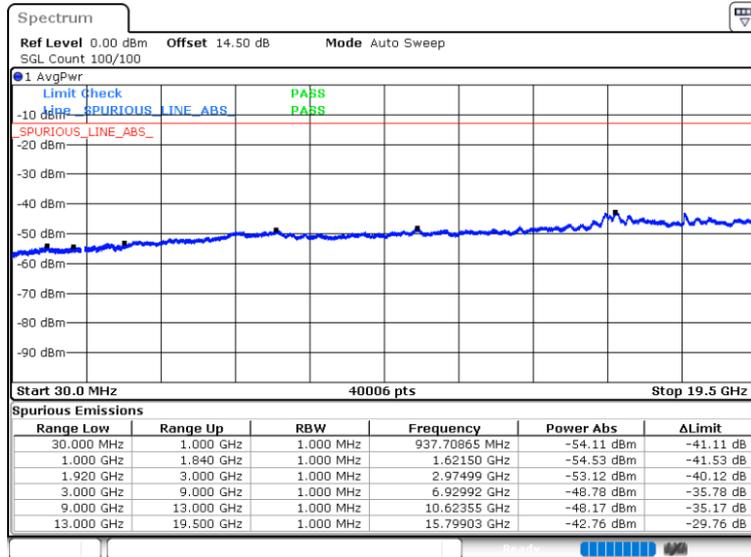
Middle Channel / QPSK



Date: 16.AUG.2024 10:27:58

Date: 16.AUG.2024 10:32:15

Highest Channel / QPSK



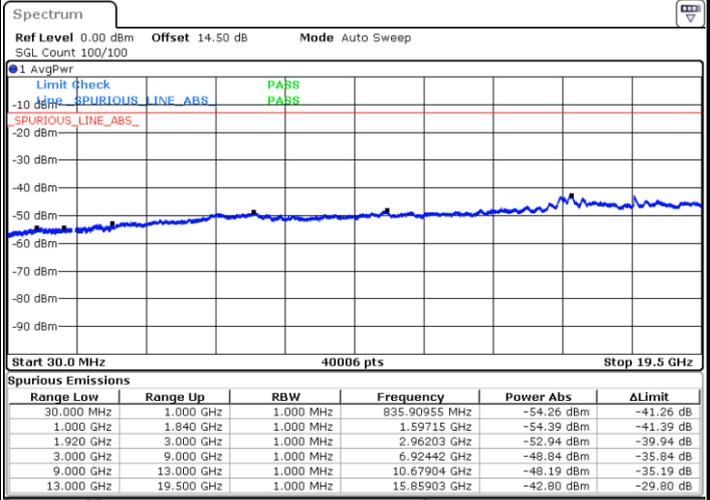
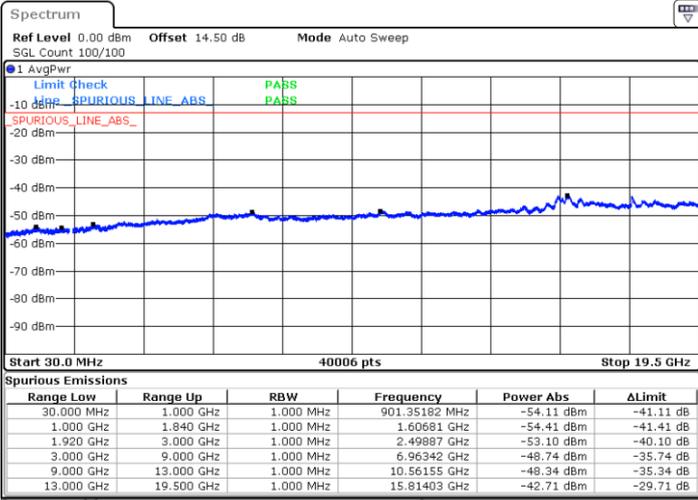
Date: 16.AUG.2024 10:50:48



LTE Band 2 / 5MHz

Lowest Channel / QPSK

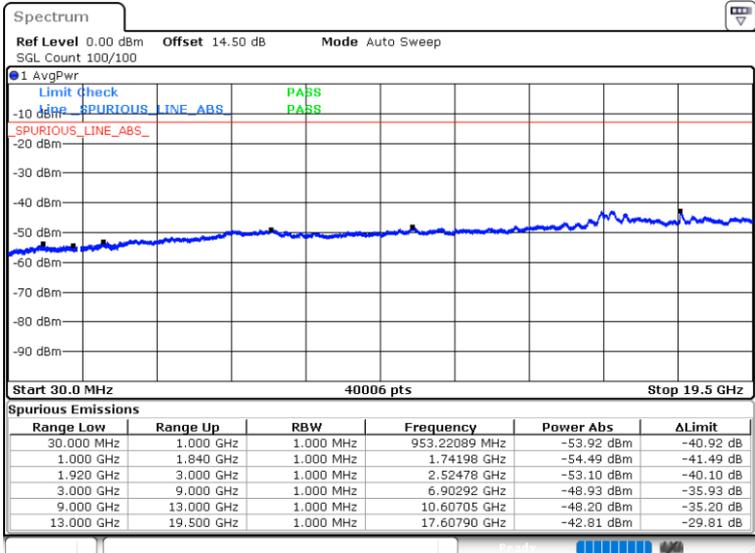
Middle Channel / QPSK



Date: 16.AUG.2024 11:02:35

Date: 16.AUG.2024 11:06:39

Highest Channel / QPSK



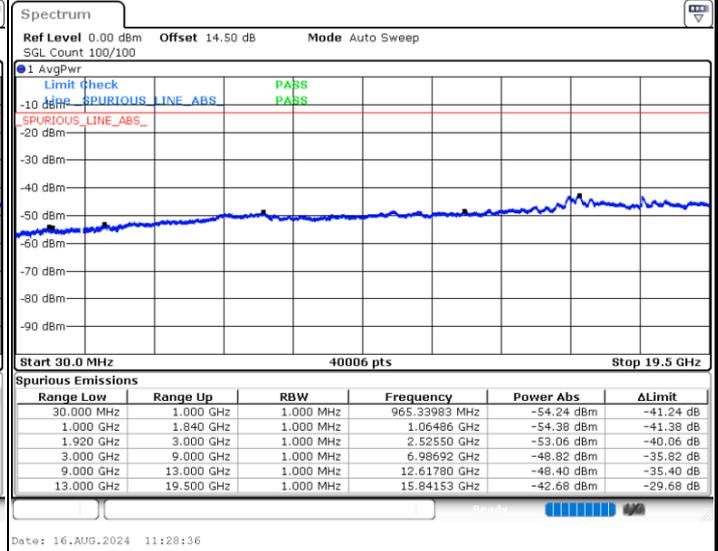
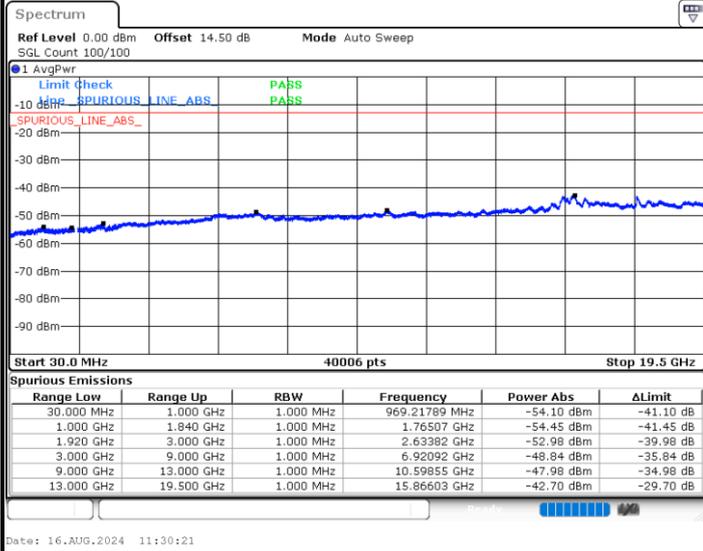
Date: 16.AUG.2024 11:13:42



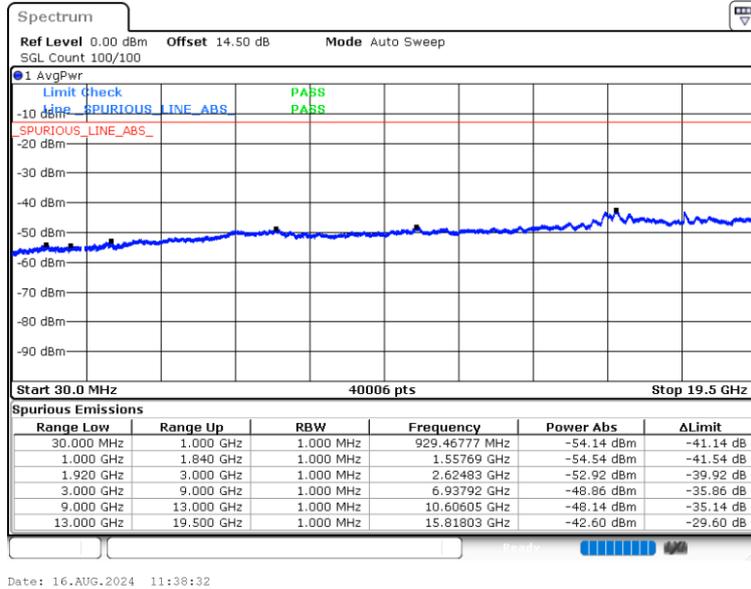
LTE Band 2 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

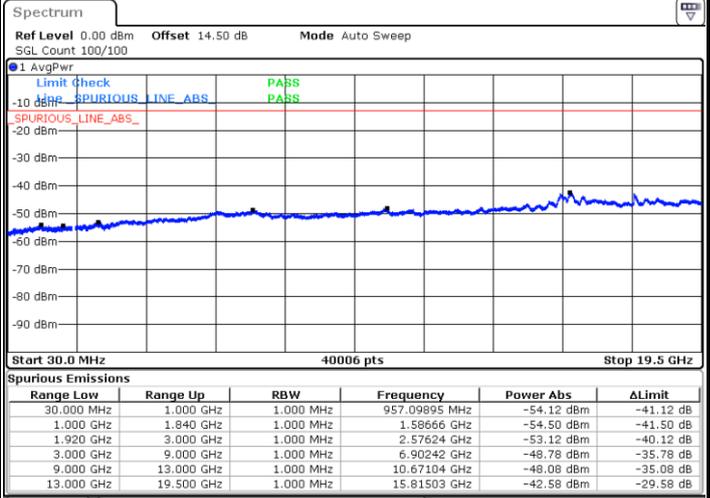
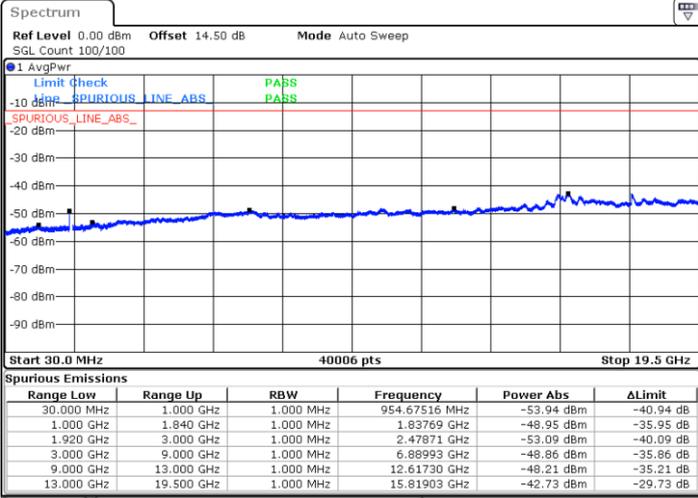




LTE Band 2 / 15MHz

Lowest Channel / QPSK

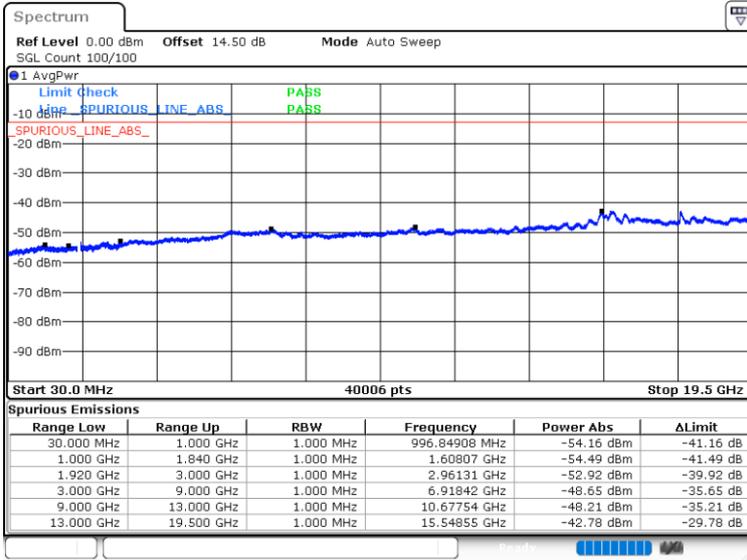
Middle Channel / QPSK



Date: 16.AUG.2024 11:45:34

Date: 16.AUG.2024 12:02:00

Highest Channel / QPSK



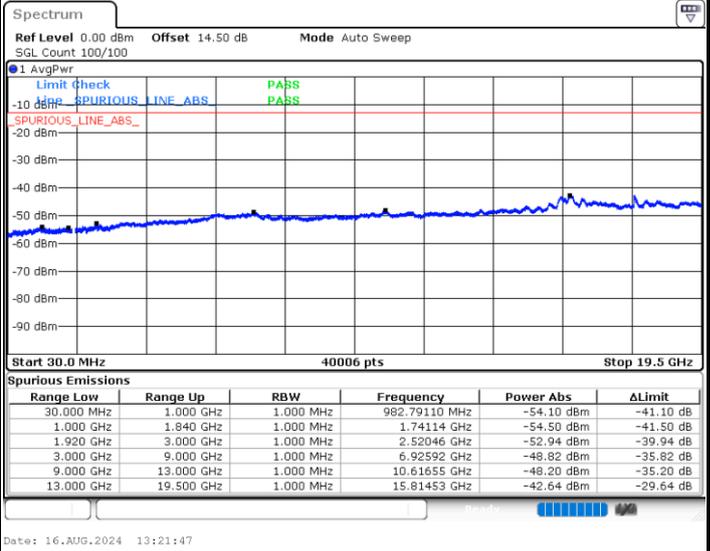
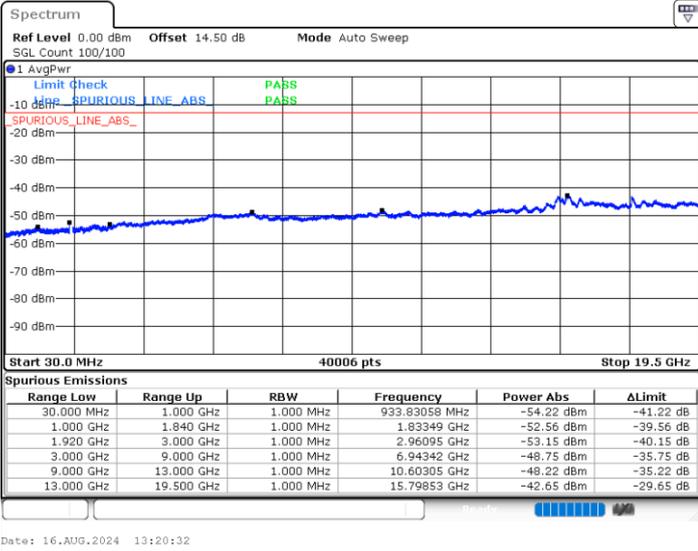
Date: 16.AUG.2024 13:13:38



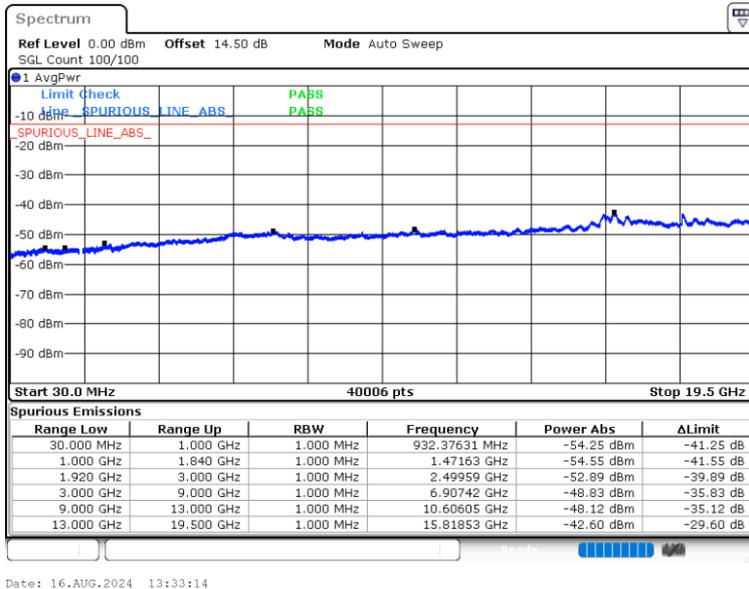
LTE Band 2 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0109	PASS
40	Normal Voltage	0.0094	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0079	
-10	Normal Voltage	0.0032	
-20	Normal Voltage	0.0092	
-30	Normal Voltage	0.0112	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0064	

Note:

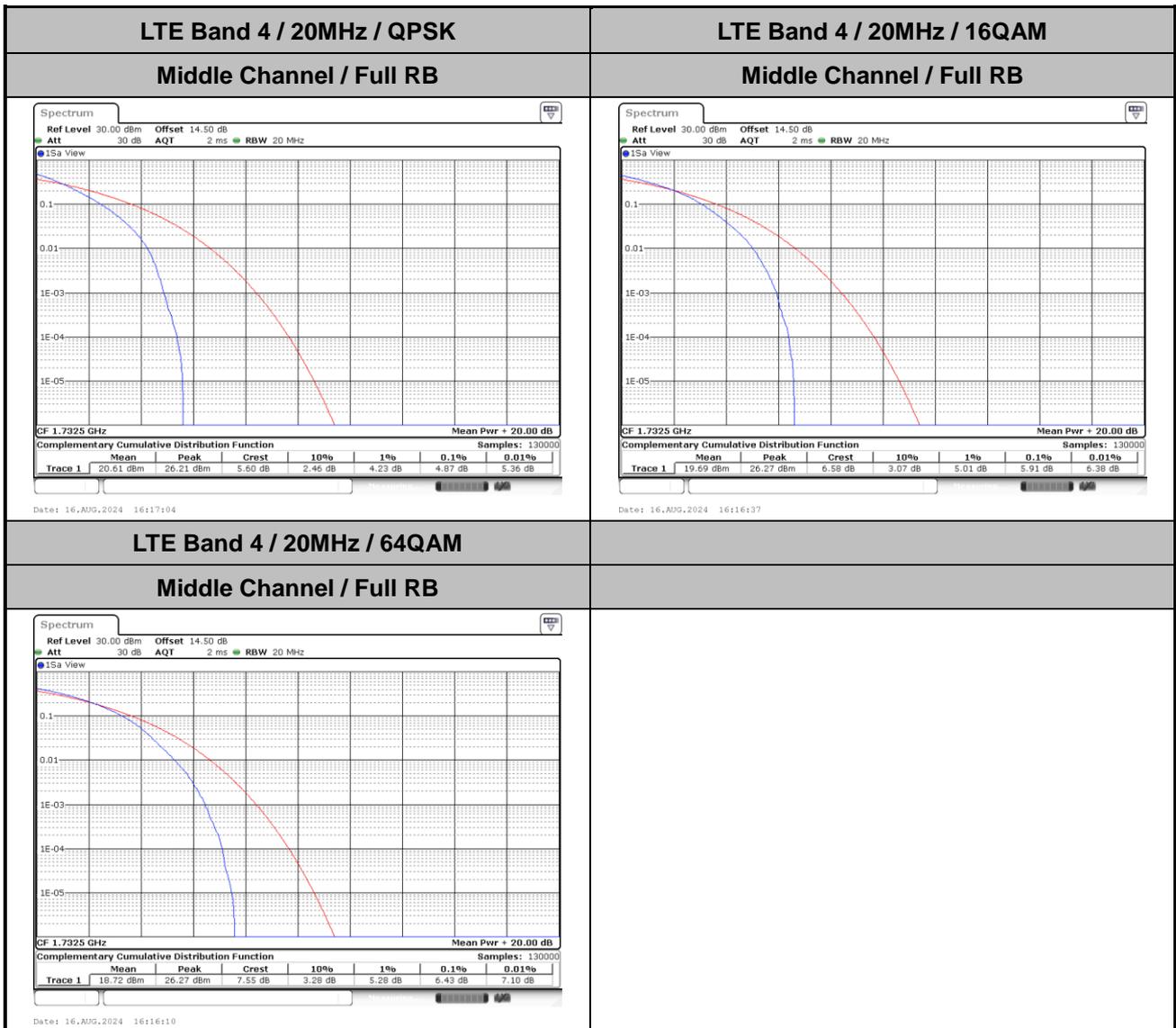
1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 4

Peak-to-Average Ratio

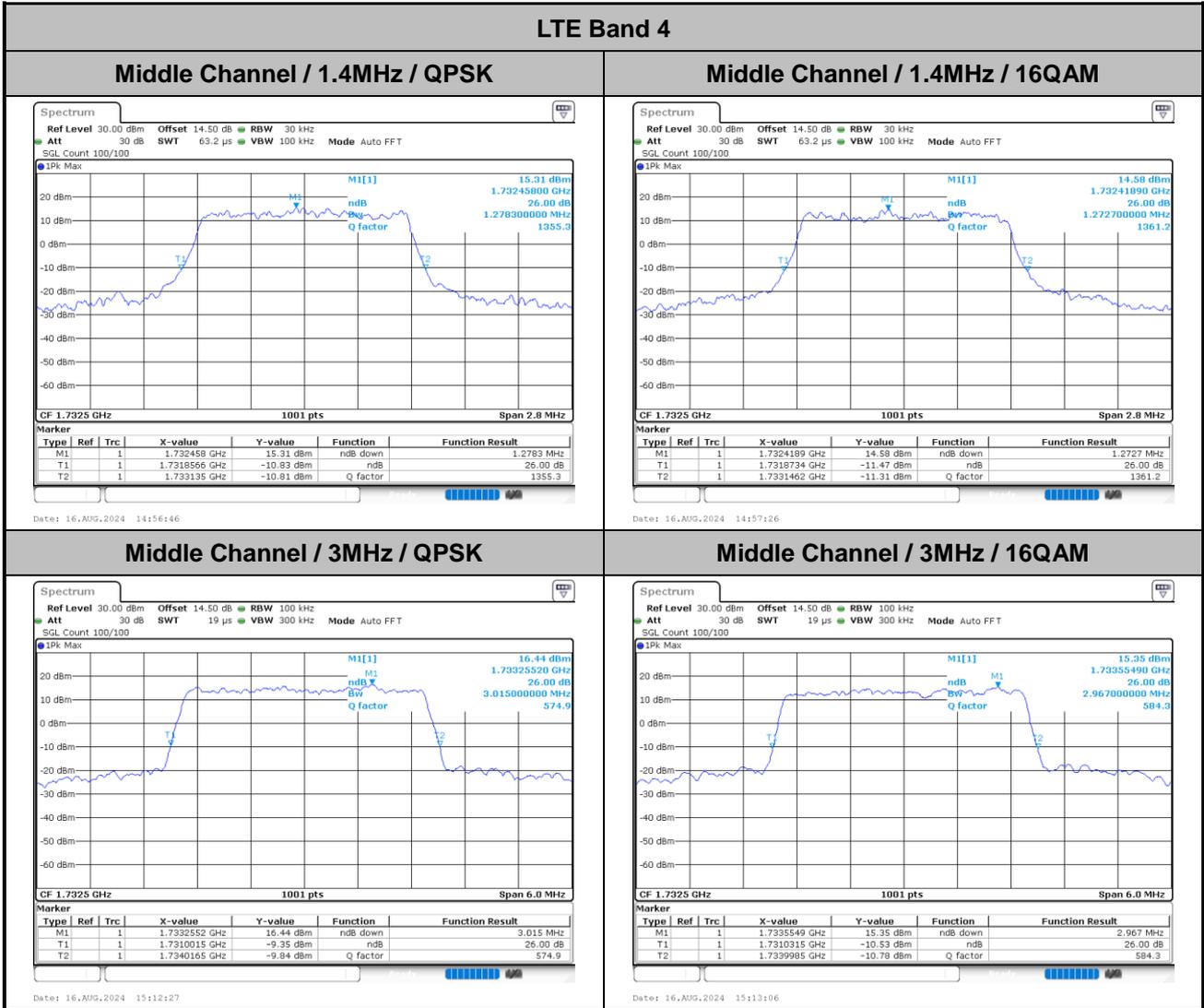
Mode	LTE Band 4 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.87	5.91	6.43	PASS





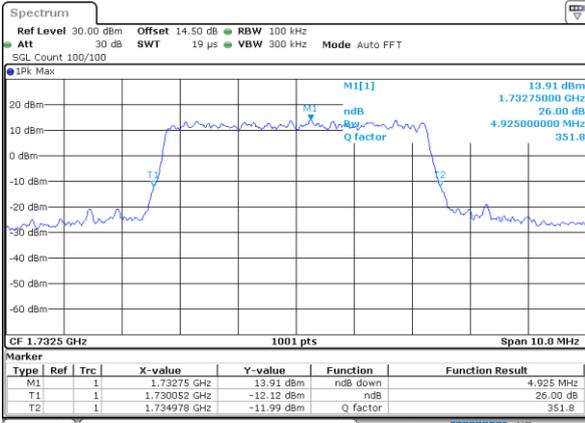
26dB Bandwidth

Mode	LTE Band 4 : 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	1.28	1.27	3.02	2.97	4.93	4.91	9.77	9.83	14.45	14.39	19.02	19.06



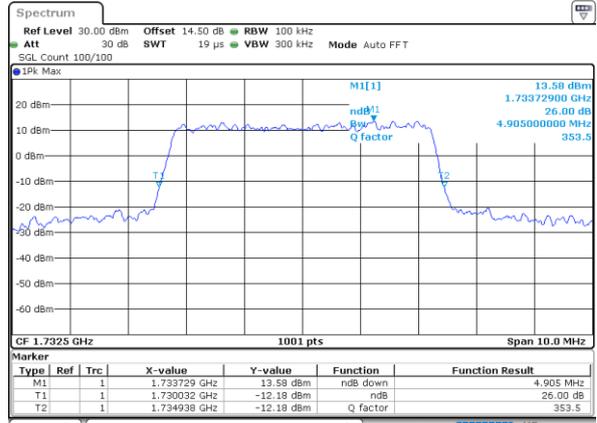


Middle Channel / 5MHz / QPSK



Date: 16.AUG.2024 15:28:07

Middle Channel / 5MHz / 16QAM

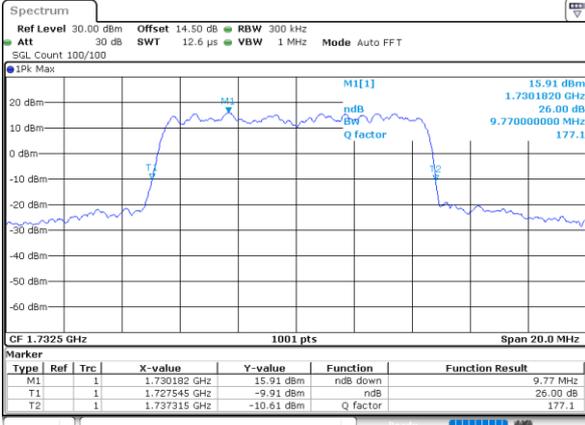


Date: 16.AUG.2024 15:28:47



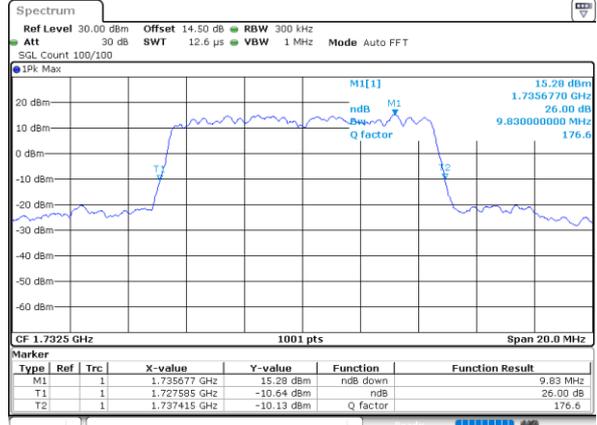
LTE Band 4

Middle Channel / 10MHz / QPSK



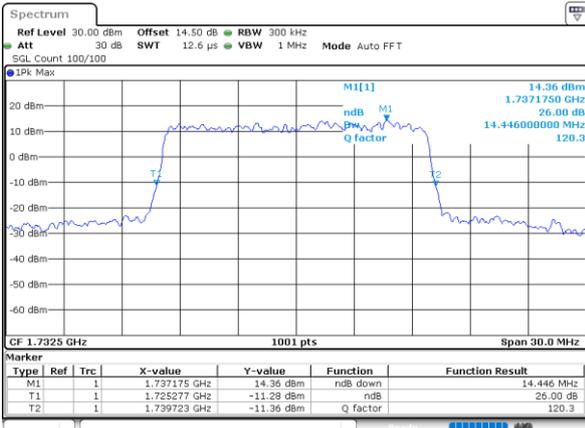
Date: 16_AUG.2024 15:43:47

Middle Channel / 10MHz / 16QAM



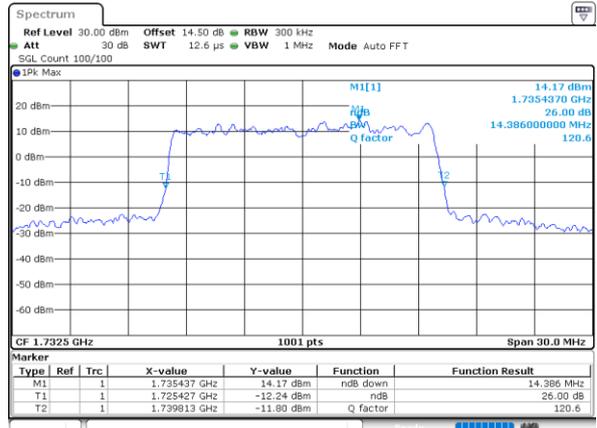
Date: 16_AUG.2024 15:44:26

Middle Channel / 15MHz / QPSK



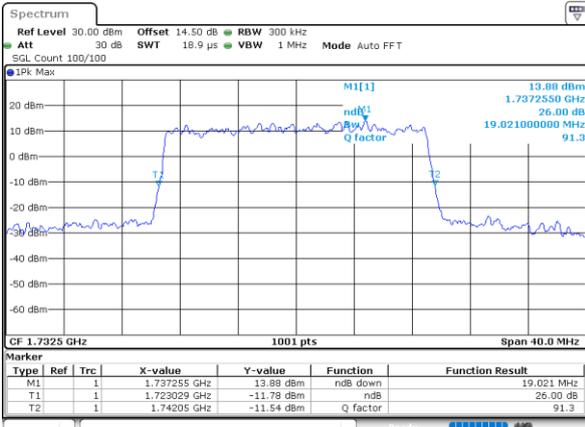
Date: 16_AUG.2024 15:59:26

Middle Channel / 15MHz / 16QAM



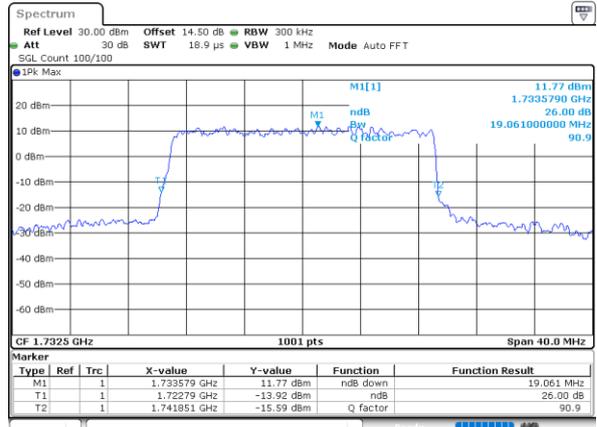
Date: 16_AUG.2024 16:00:05

Middle Channel / 20MHz / QPSK



Date: 16_AUG.2024 16:15:05

Middle Channel / 20MHz / 16QAM

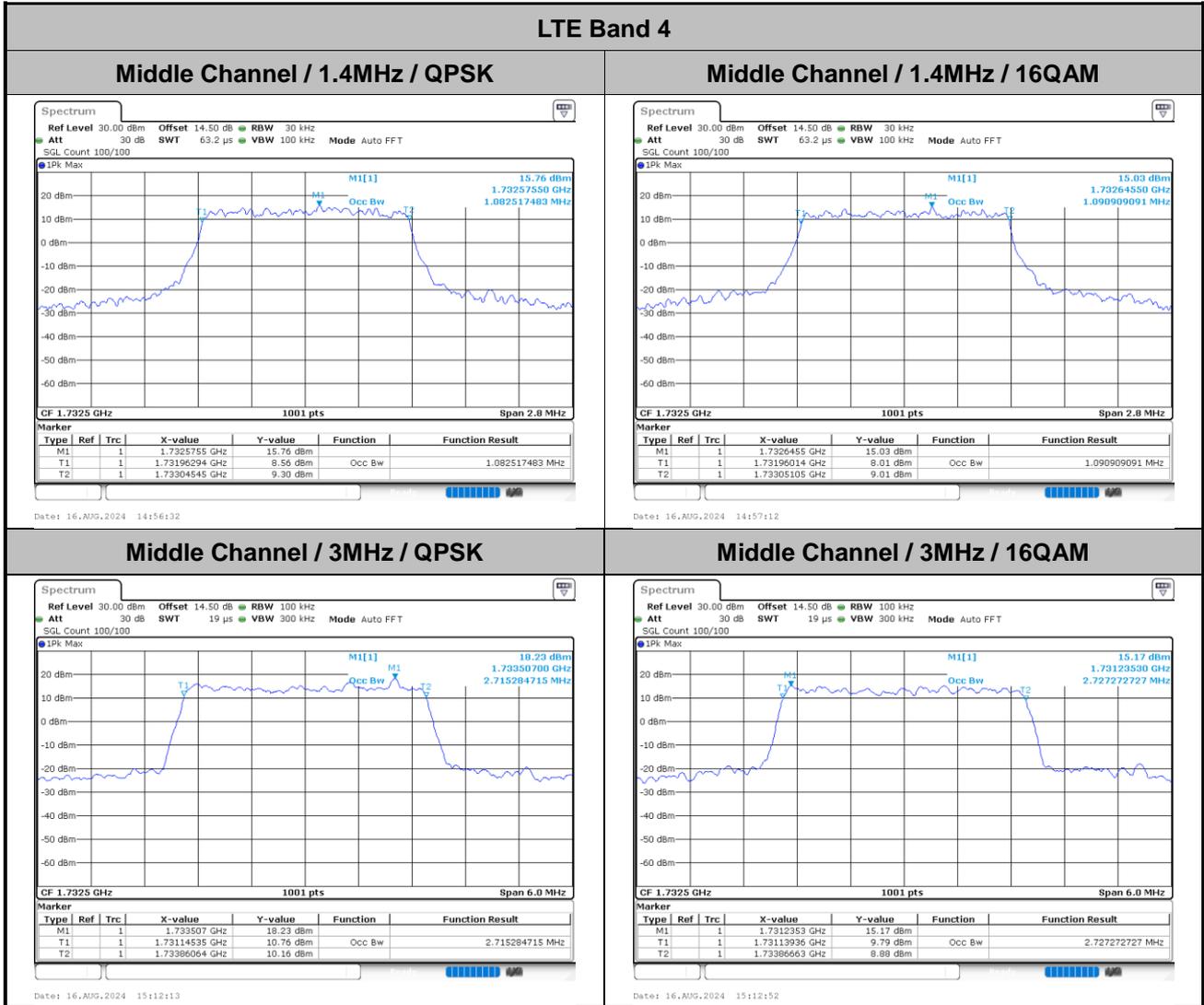


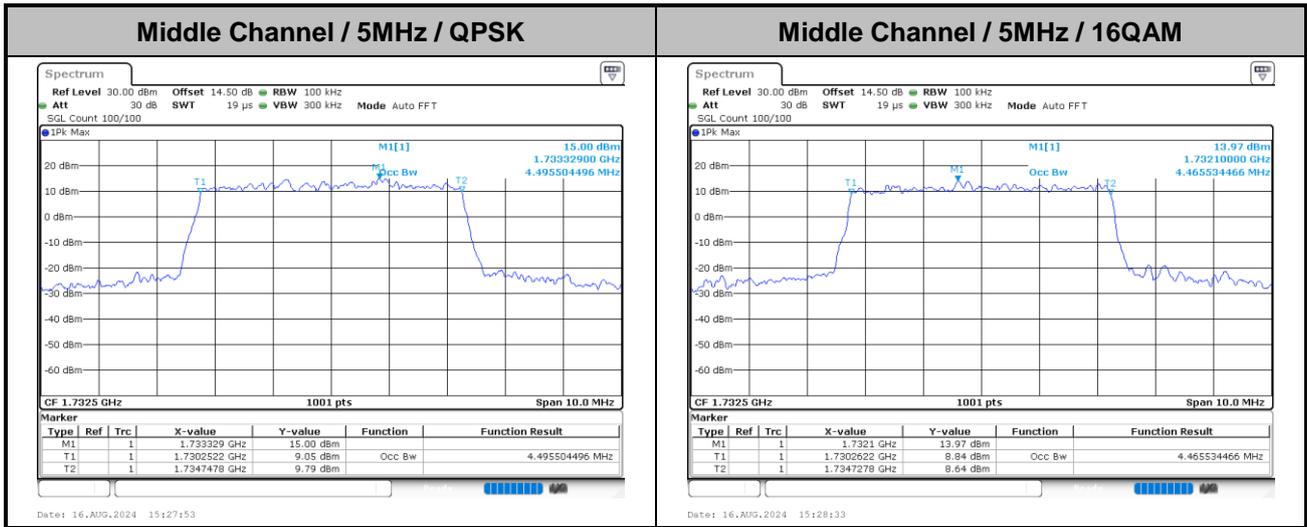
Date: 16_AUG.2024 16:15:44



Occupied Bandwidth

Mode	LTE Band 4 : 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	1.09	2.72	2.73	4.50	4.47	9.03	8.99	13.43	13.49	17.90	17.94

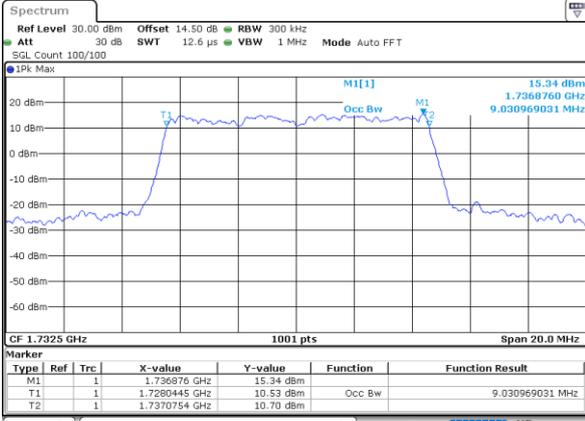






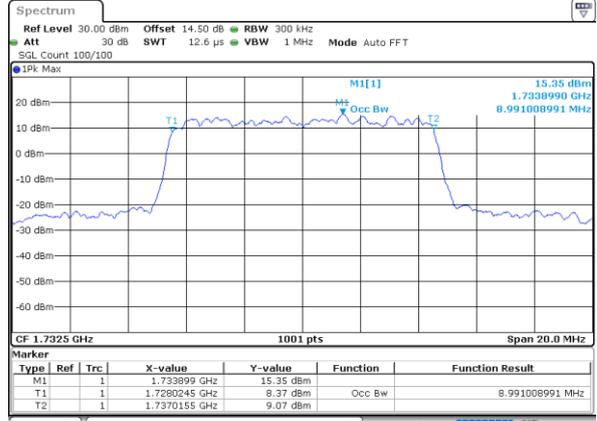
LTE Band 4

Middle Channel / 10MHz / QPSK



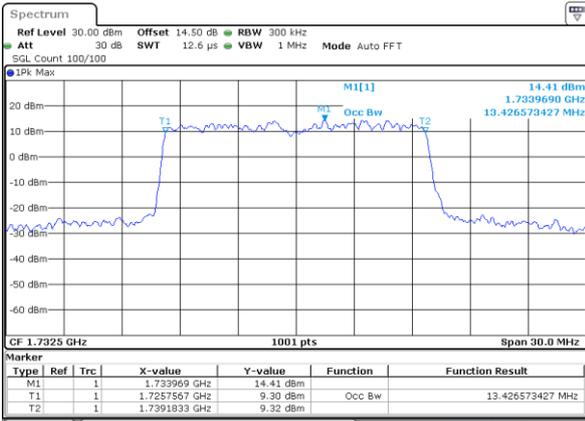
Date: 16_AUG.2024 15:43:33

Middle Channel / 10MHz / 16QAM



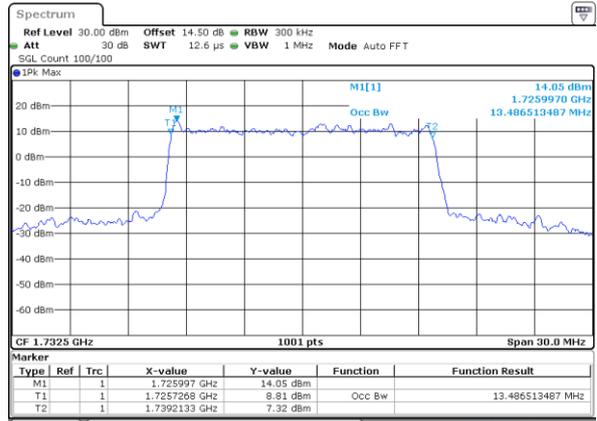
Date: 16_AUG.2024 15:44:12

Middle Channel / 15MHz / QPSK



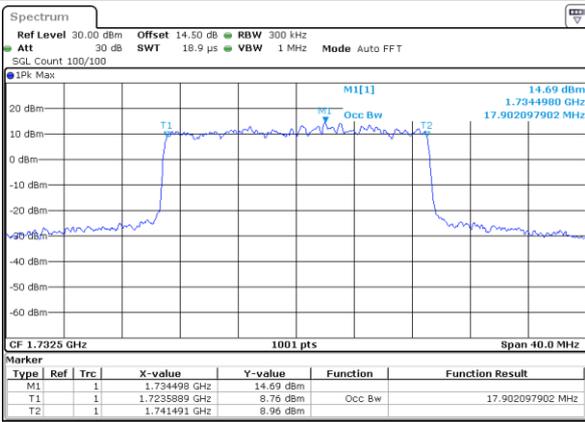
Date: 16_AUG.2024 15:59:12

Middle Channel / 15MHz / 16QAM



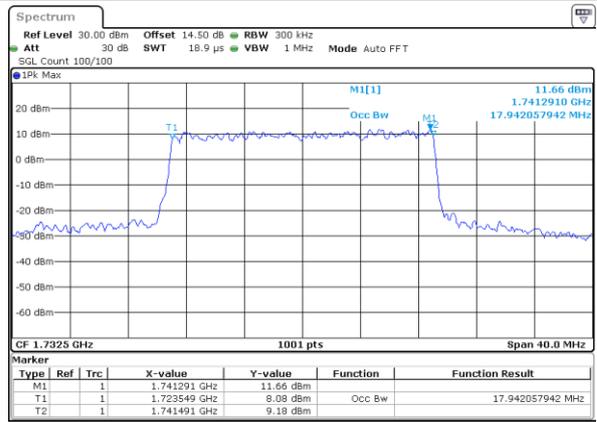
Date: 16_AUG.2024 15:59:51

Middle Channel / 20MHz / QPSK



Date: 16_AUG.2024 16:14:51

Middle Channel / 20MHz / 16QAM



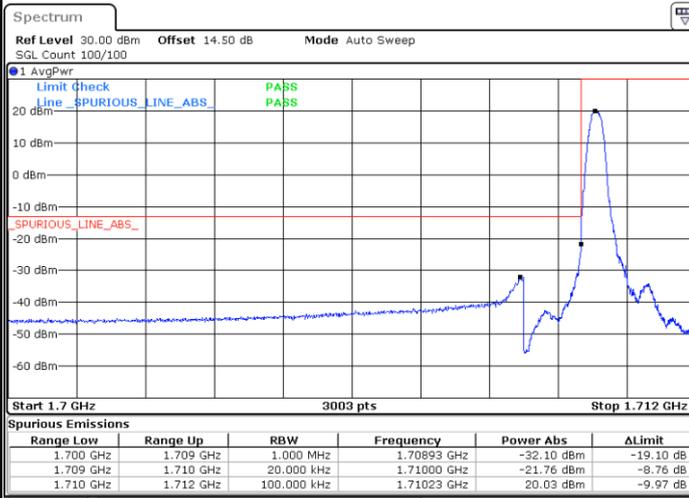
Date: 16_AUG.2024 16:15:30



Conducted Band Edge

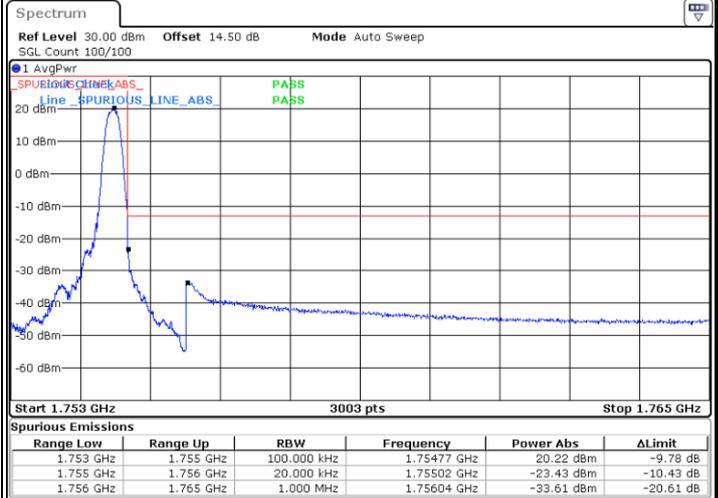
LTE Band 4 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



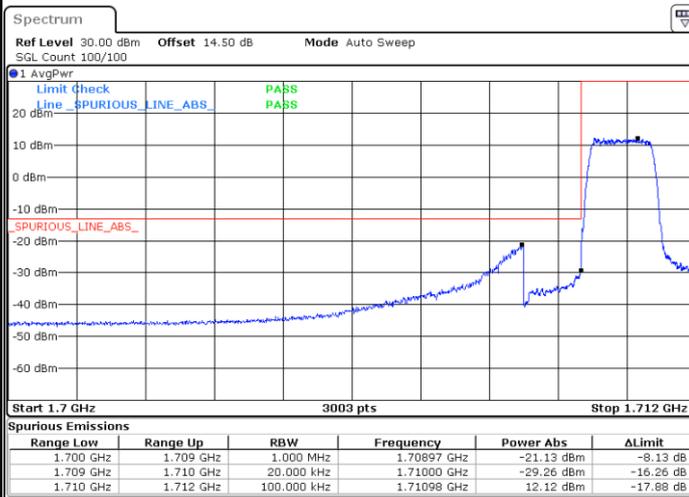
Date: 16.AUG.2024 14:49:33

Highest Band Edge / 1RB



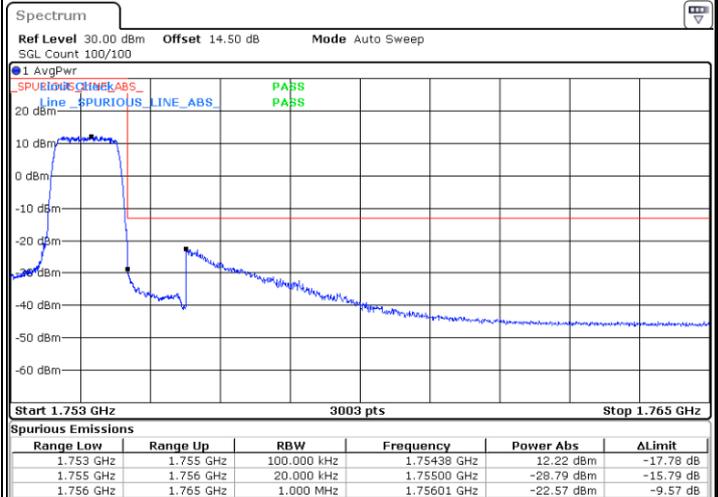
Date: 16.AUG.2024 14:58:15

Lowest Band Edge / Full RB



Date: 16.AUG.2024 14:52:05

Highest Band Edge / Full RB

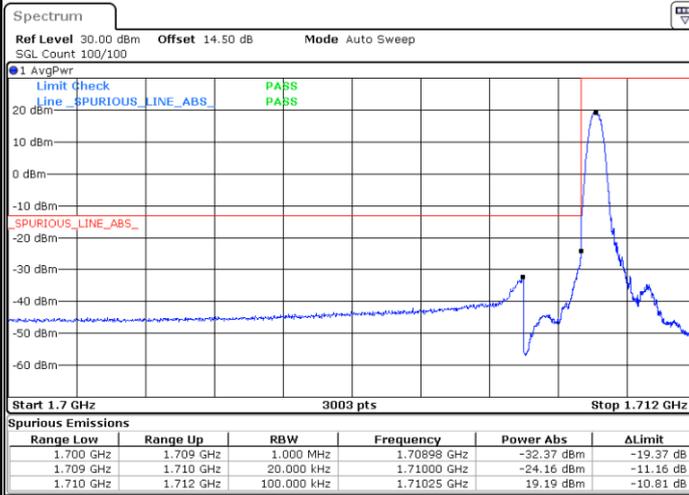


Date: 16.AUG.2024 15:00:47



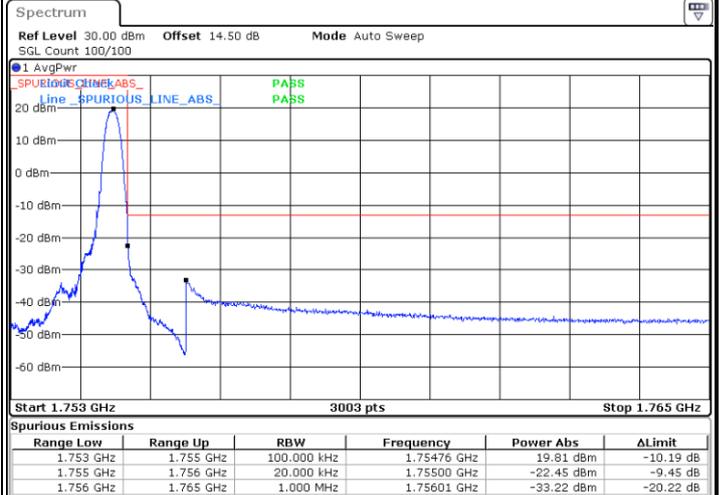
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



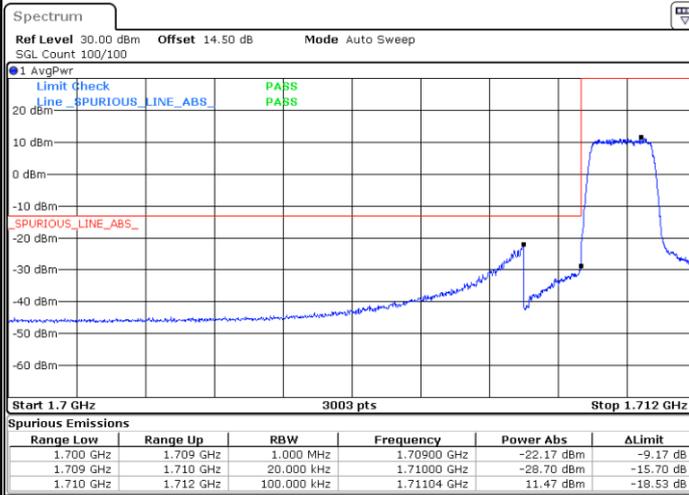
Date: 16.AUG.2024 14:50:23

Highest Band Edge / 1 RB



Date: 16.AUG.2024 14:59:06

Lowest Band Edge / Full RB



Date: 16.AUG.2024 14:52:56

Highest Band Edge / Full RB

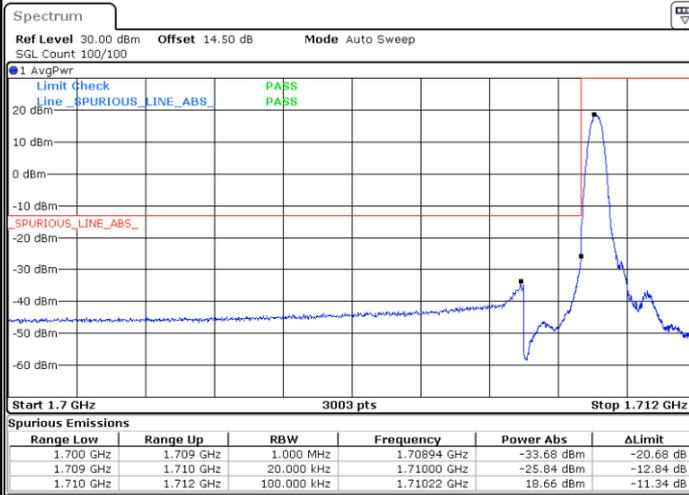


Date: 16.AUG.2024 15:01:38



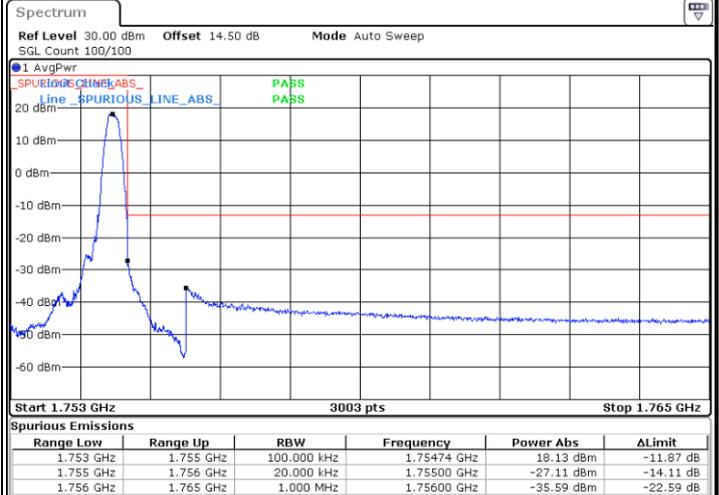
LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



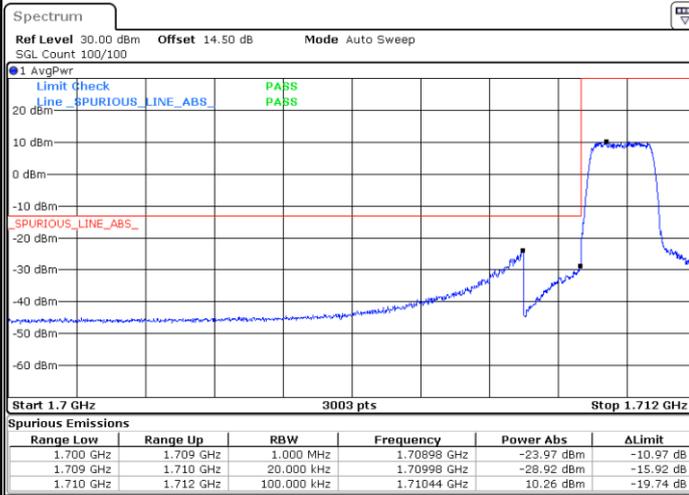
Date: 16.AUG.2024 14:51:14

Highest Band Edge / 1 RB



Date: 16.AUG.2024 14:59:56

Lowest Band Edge / Full RB



Date: 16.AUG.2024 14:53:46

Highest Band Edge / Full RB

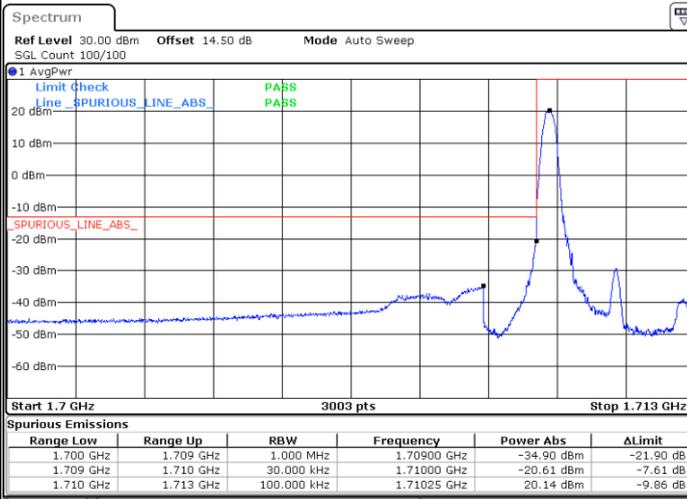


Date: 16.AUG.2024 15:02:29



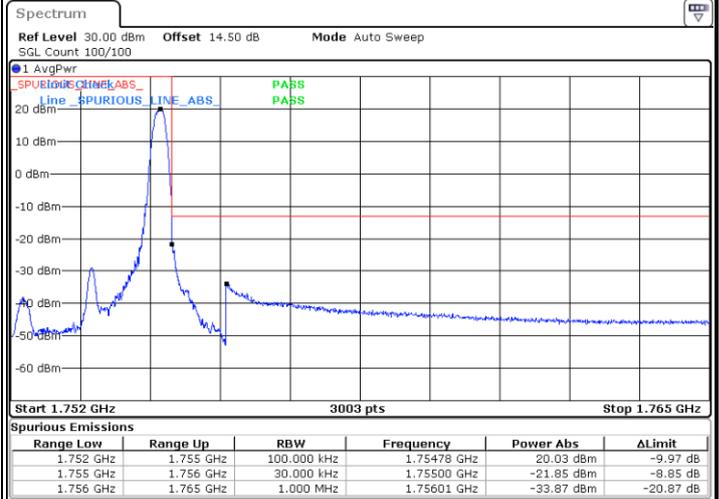
LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



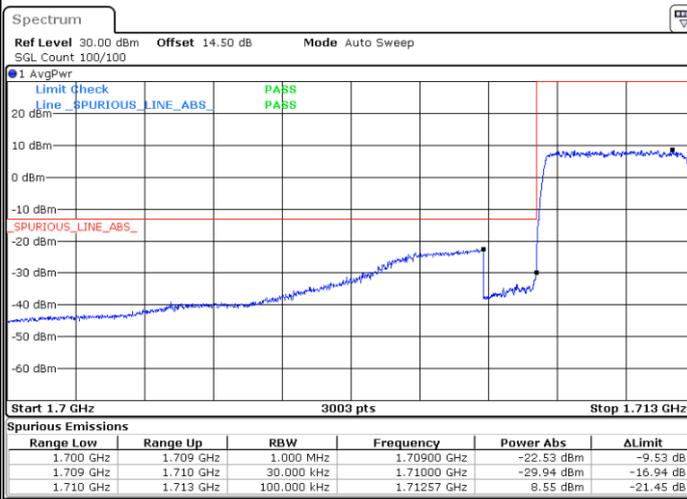
Date: 16.AUG.2024 15:05:13

Highest Band Edge / 1RB



Date: 16.AUG.2024 15:13:56

Lowest Band Edge / Full RB



Date: 16.AUG.2024 15:07:45

Highest Band Edge / Full RB

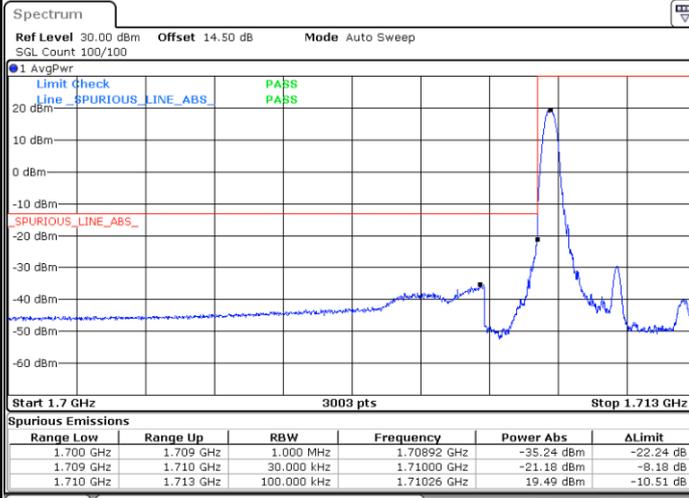


Date: 16.AUG.2024 15:16:28



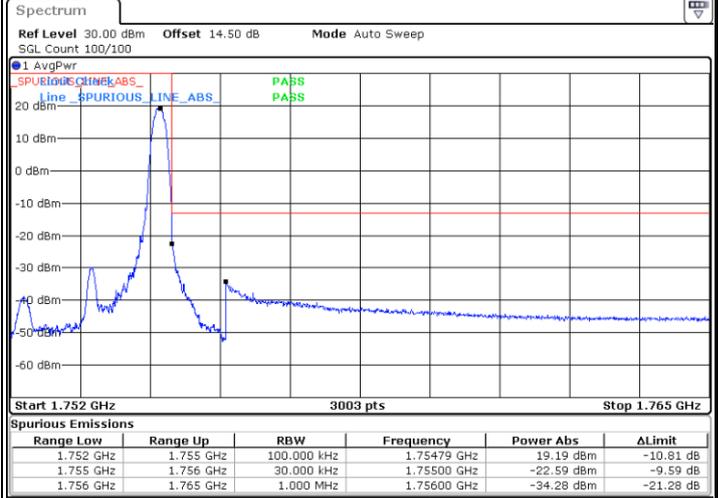
LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 16.AUG.2024 15:06:03

Highest Band Edge / 1 RB



Date: 16.AUG.2024 15:14:46

Lowest Band Edge / Full RB



Date: 16.AUG.2024 15:08:35

Highest Band Edge / Full RB

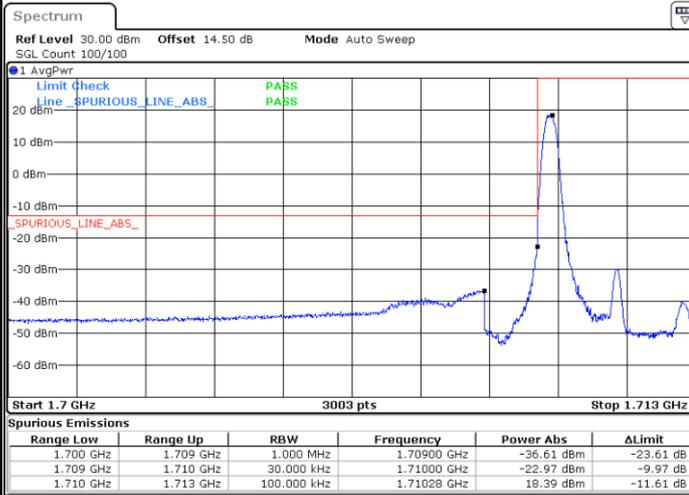


Date: 16.AUG.2024 15:17:19



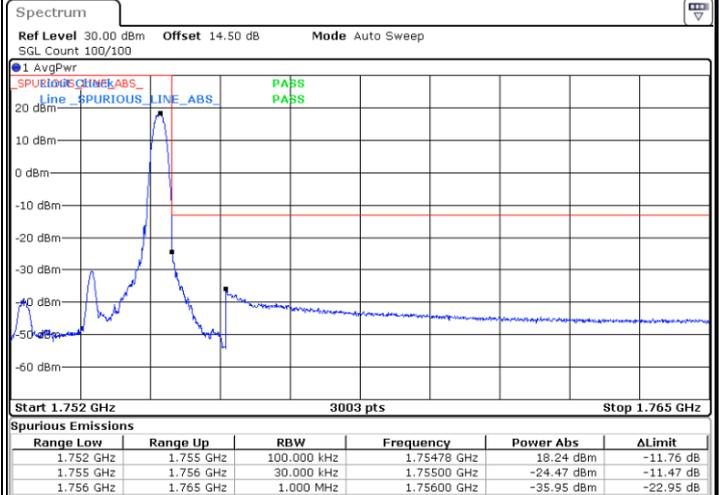
LTE Band 4 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



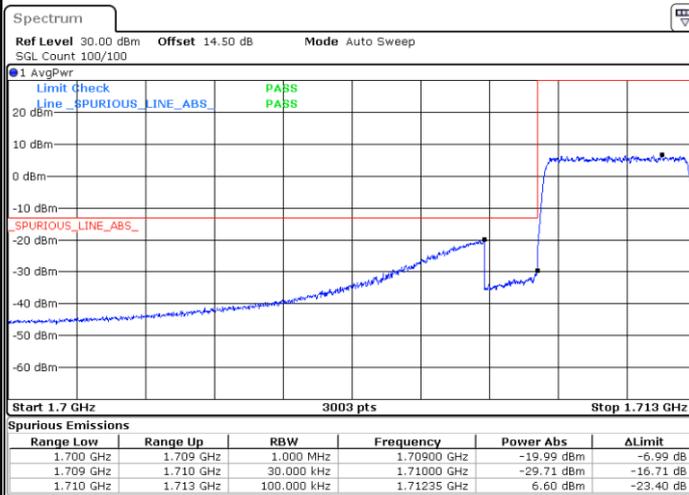
Date: 16.AUG.2024 15:06:54

Highest Band Edge / 1 RB



Date: 16.AUG.2024 15:15:37

Lowest Band Edge / Full RB



Date: 16.AUG.2024 15:09:26

Highest Band Edge / Full RB

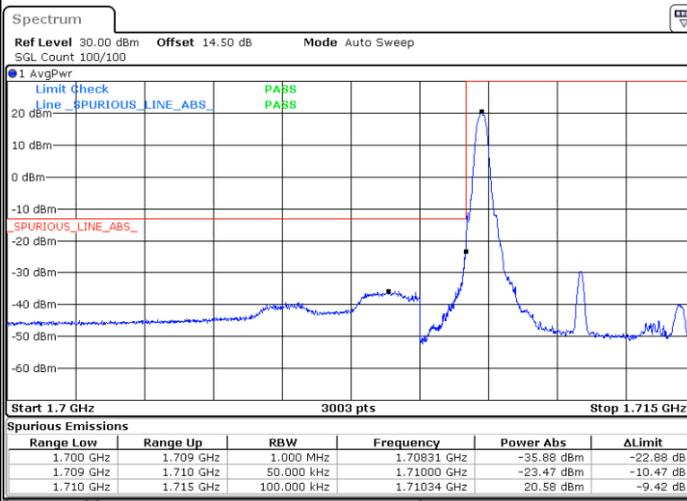


Date: 16.AUG.2024 15:18:09



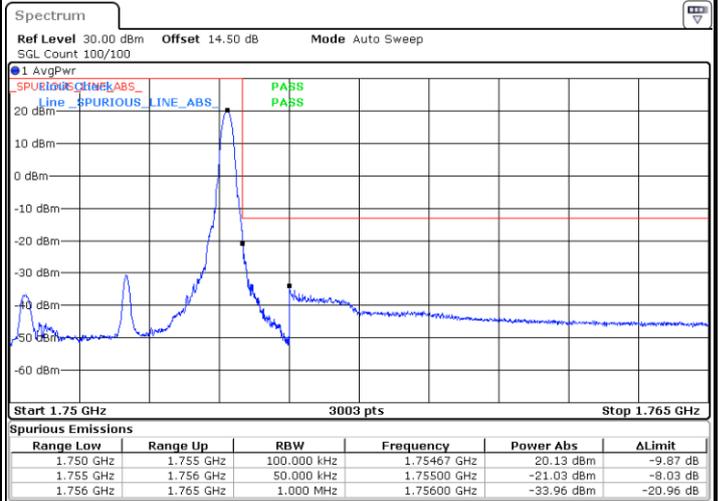
LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1RB



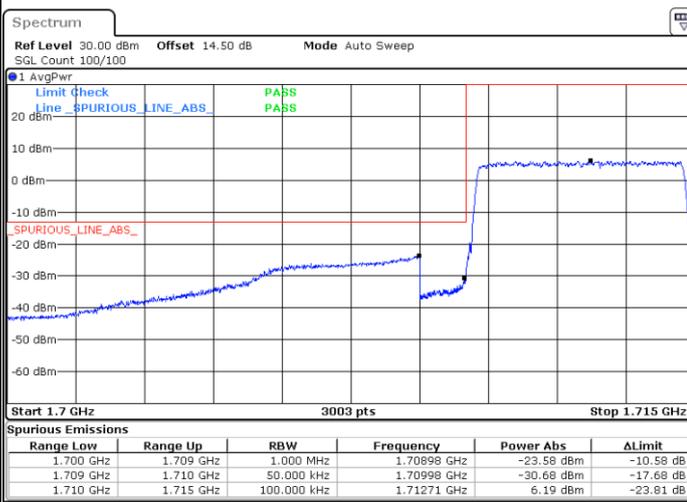
Date: 16.AUG.2024 15:20:53

Highest Band Edge / 1RB



Date: 16.AUG.2024 15:29:36

Lowest Band Edge / Full RB



Date: 16.AUG.2024 15:23:26

Highest Band Edge / Full RB

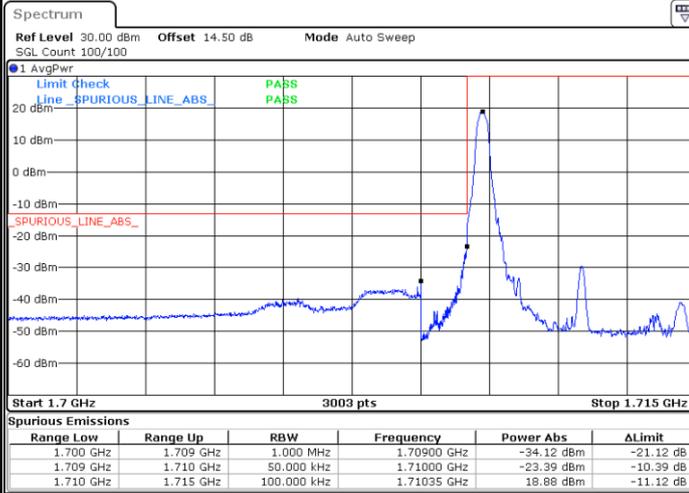


Date: 16.AUG.2024 15:32:08



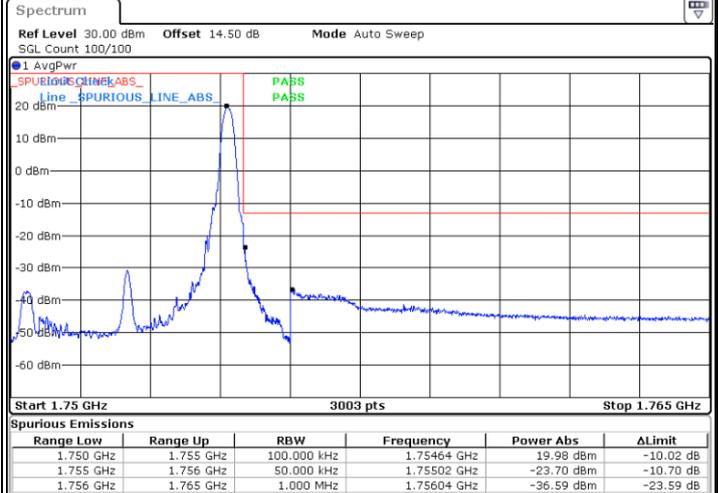
LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



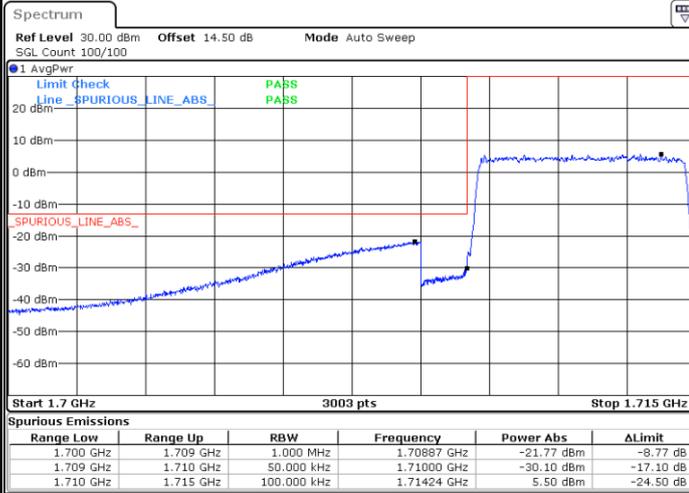
Date: 16.AUG.2024 15:21:44

Highest Band Edge / 1 RB



Date: 16.AUG.2024 15:30:27

Lowest Band Edge / Full RB



Date: 16.AUG.2024 15:24:16

Highest Band Edge / Full RB

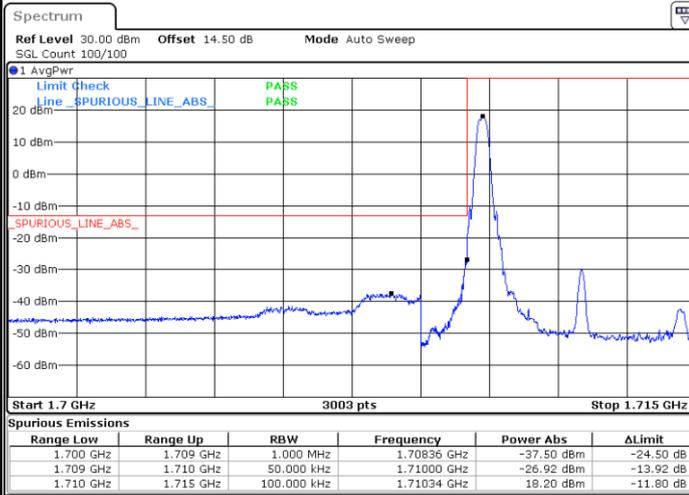


Date: 16.AUG.2024 15:32:59



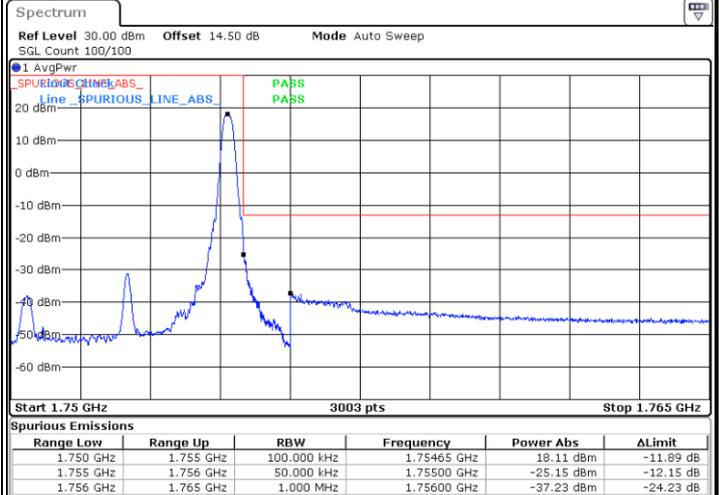
LTE Band 4 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



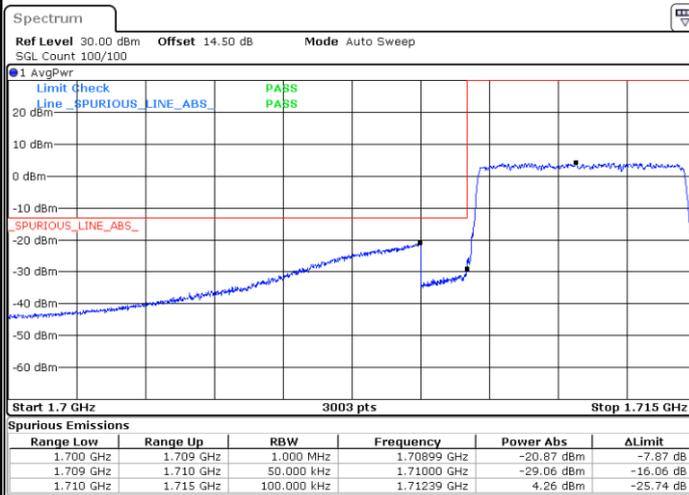
Date: 16.AUG.2024 15:22:35

Highest Band Edge / 1 RB



Date: 16.AUG.2024 15:31:17

Lowest Band Edge / Full RB



Date: 16.AUG.2024 15:25:07

Highest Band Edge / Full RB

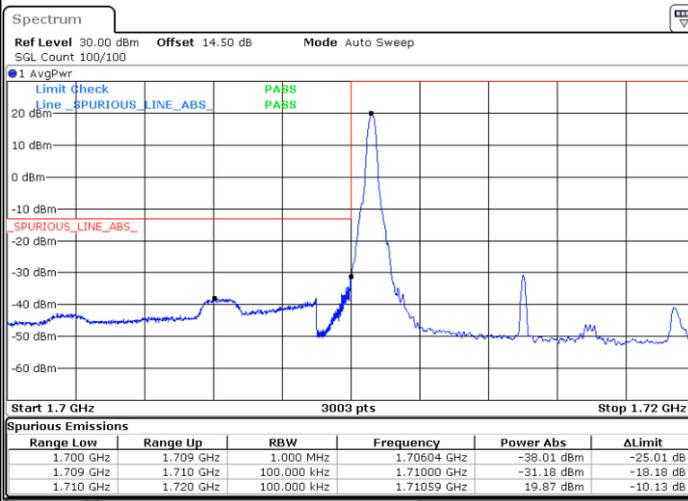


Date: 16.AUG.2024 15:33:50



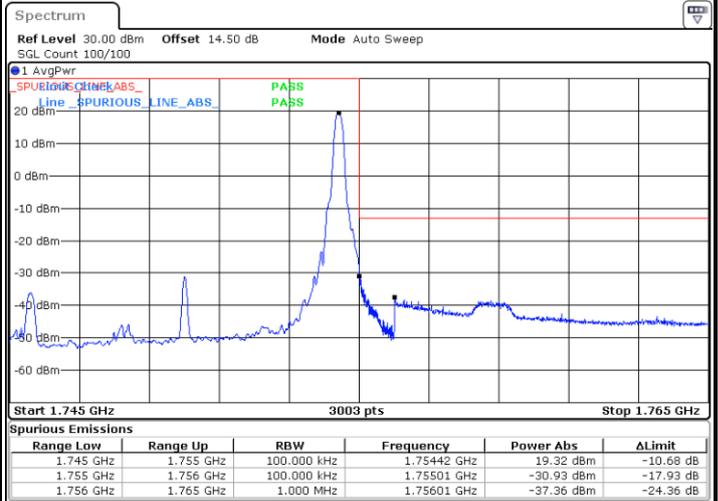
LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1RB



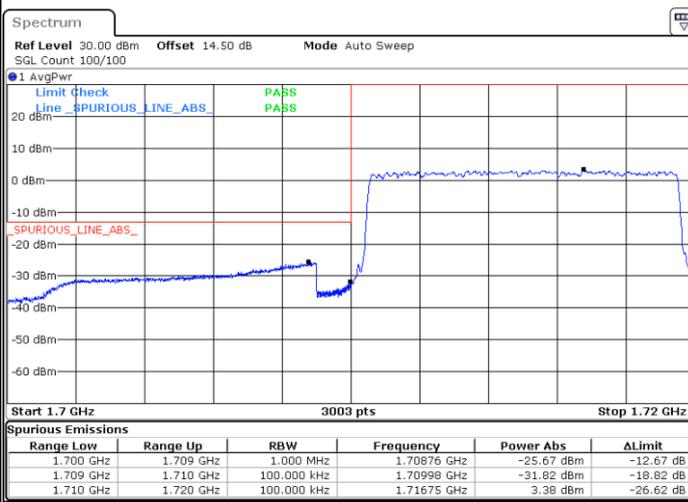
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Highest Band Edge / 1RB



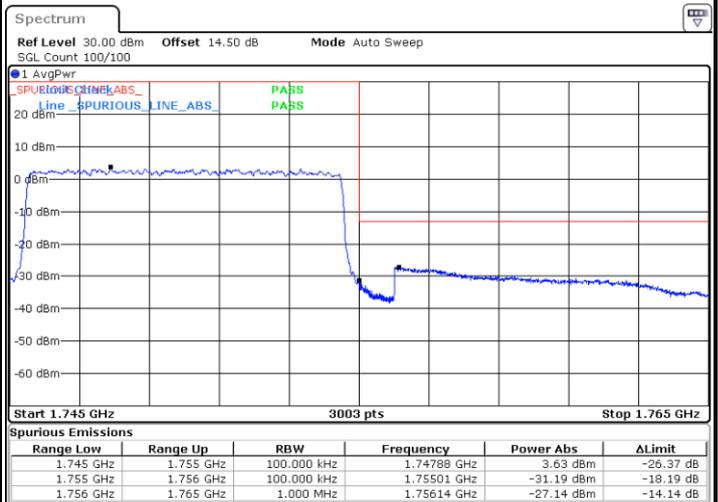
Date: 16.AUG.2024 15:45:16

Lowest Band Edge / Full RB



Date: 16.AUG.2024 15:39:06

Highest Band Edge / Full RB

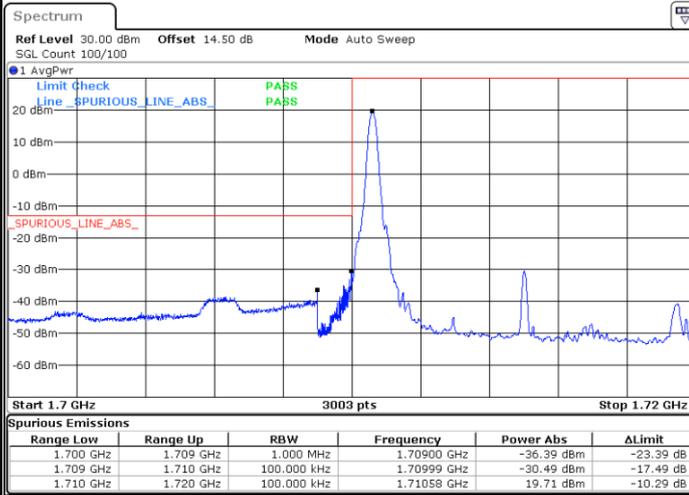


Date: 16.AUG.2024 15:47:48



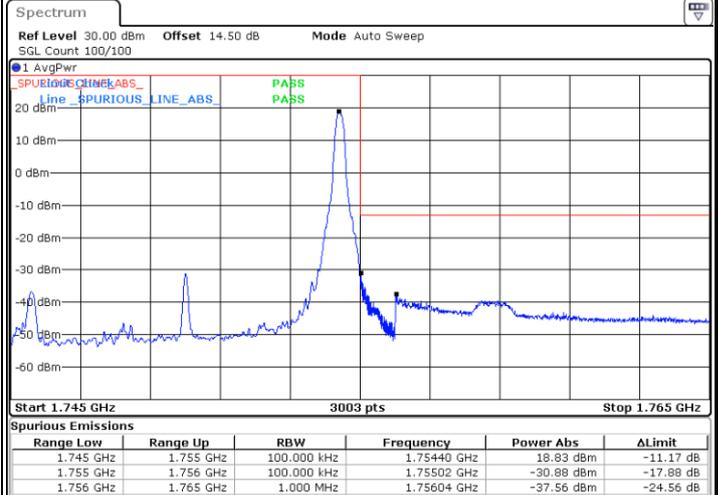
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



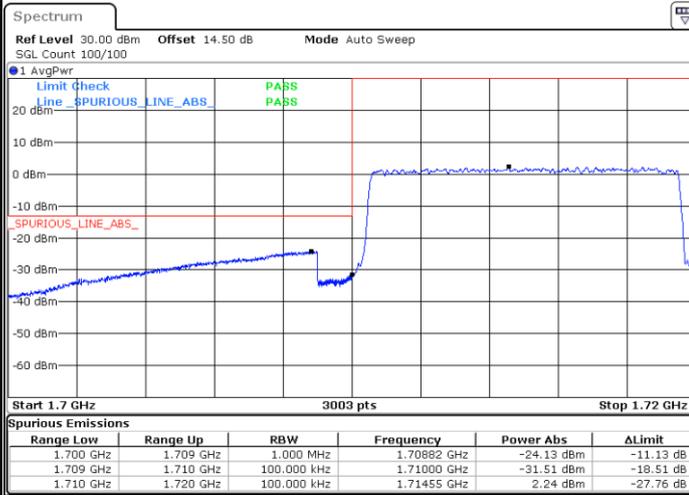
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Highest Band Edge / 1 RB



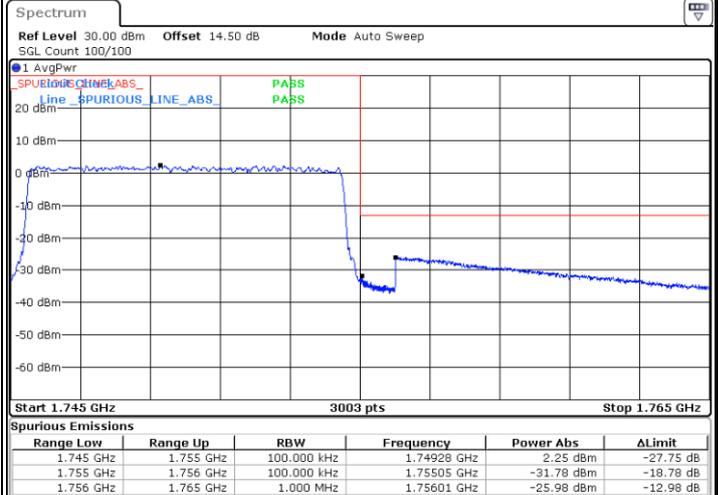
Date: 16.AUG.2024 15:46:06

Lowest Band Edge / Full RB



Date: 16.AUG.2024 15:39:57

Highest Band Edge / Full RB

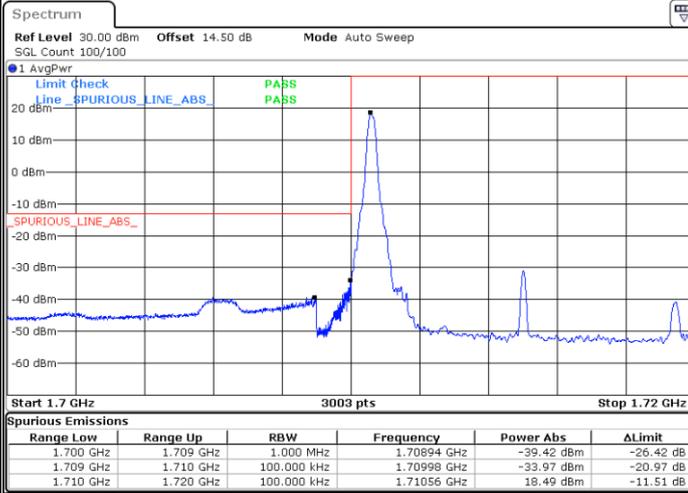


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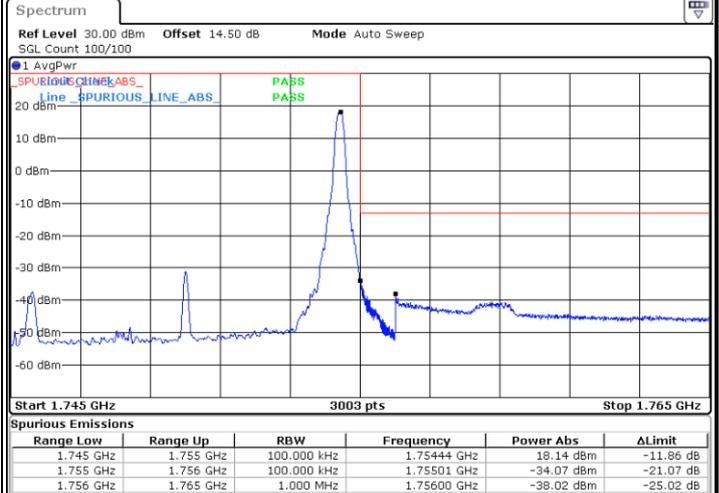
LTE Band 4 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



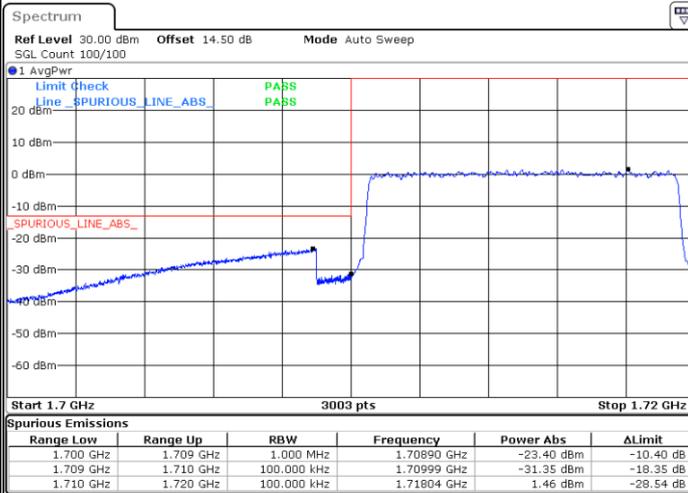
Date: 16.AUG.2024 15:38:15

Highest Band Edge / 1 RB



Date: 16.AUG.2024 15:46:57

Lowest Band Edge / Full RB



Date: 16.AUG.2024 15:40:48

Highest Band Edge / Full RB

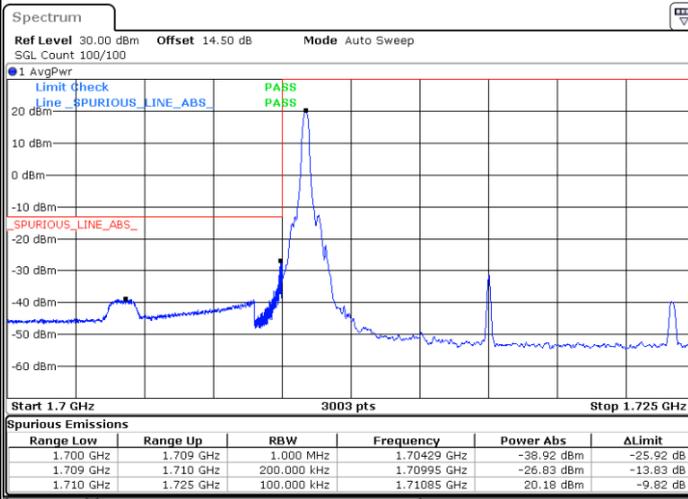


Date: 16.AUG.2024 15:49:29



LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1RB



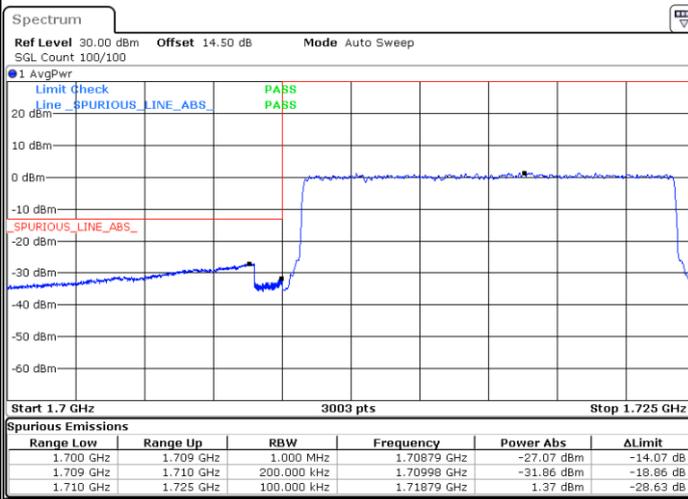
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Highest Band Edge / 1RB



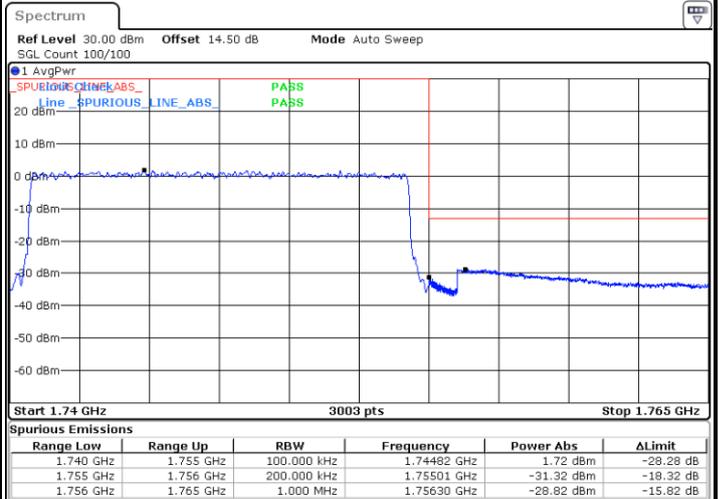
Date: 16.AUG.2024 16:00:55

Lowest Band Edge / Full RB



Date: 16.AUG.2024 15:54:45

Highest Band Edge / Full RB

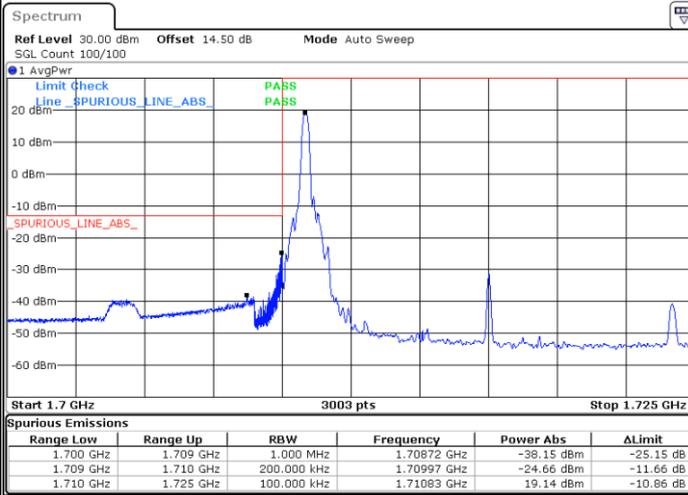


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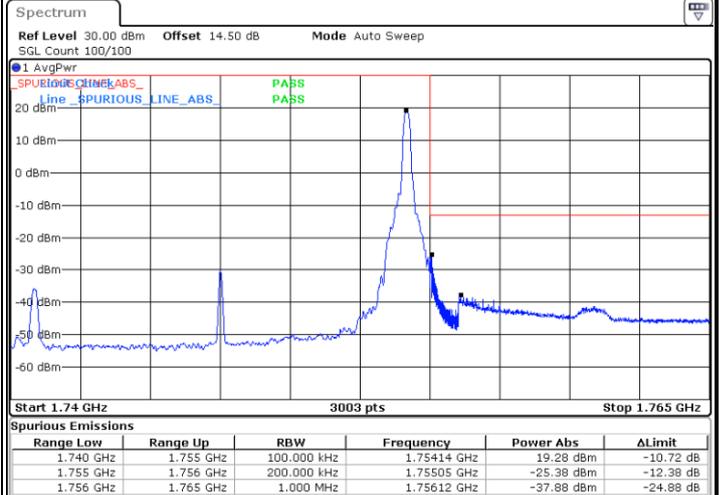
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



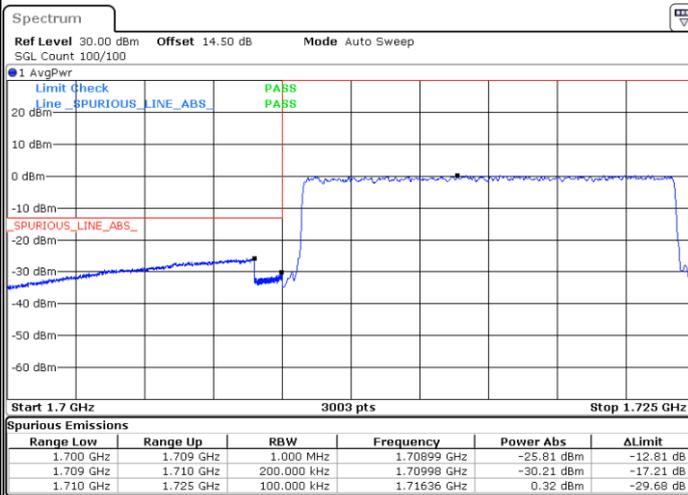
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Highest Band Edge / 1 RB



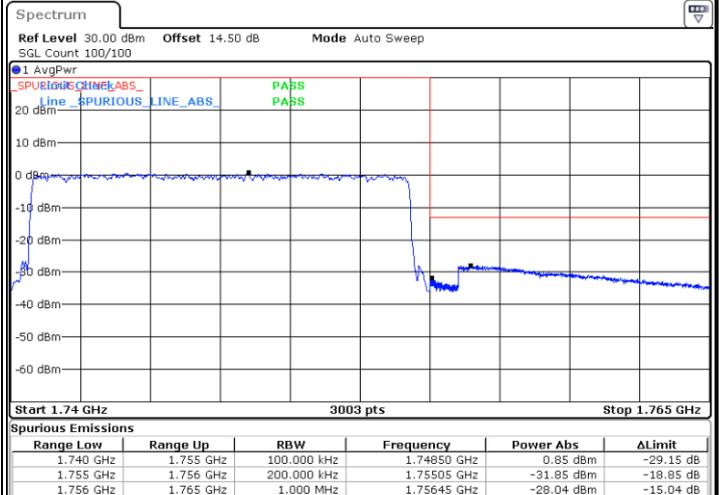
Date: 16.AUG.2024 16:01:45

Lowest Band Edge / Full RB



Date: 16.AUG.2024 15:55:36

Highest Band Edge / Full RB



Date: 16.AUG.2024 16:04:17