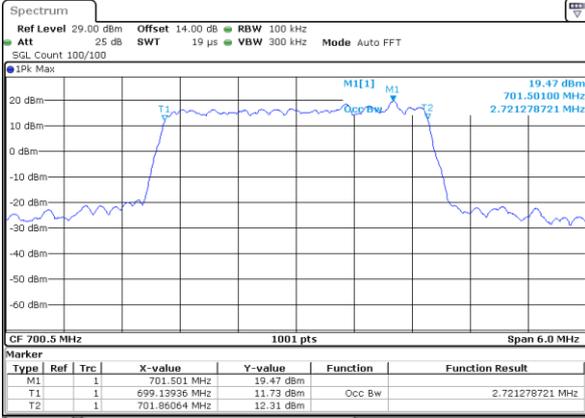




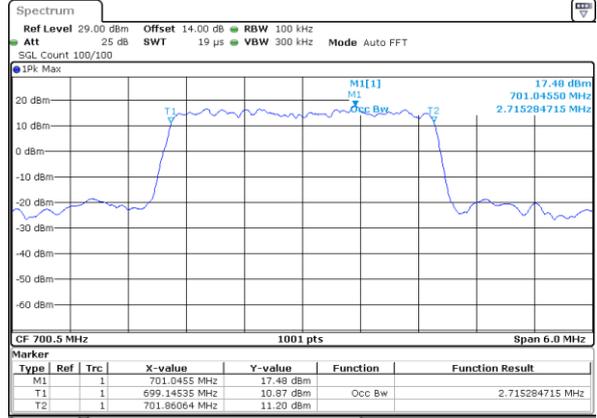
LTE Band 12

Lowest Channel / 3MHz / QPSK



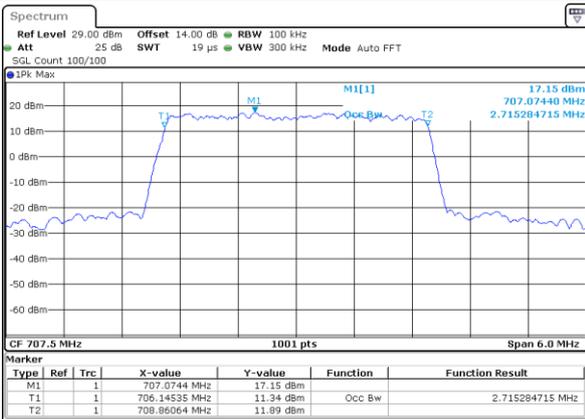
Date: 25 SEP 2021 09:55:28

Lowest Channel / 3MHz / 16QAM



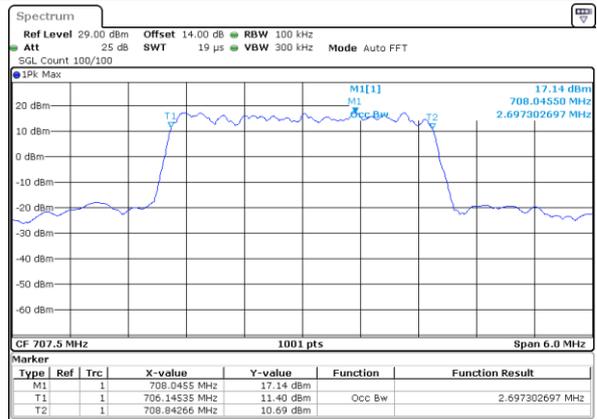
Date: 25 SEP 2021 09:55:39

Middle Channel / 3MHz / QPSK



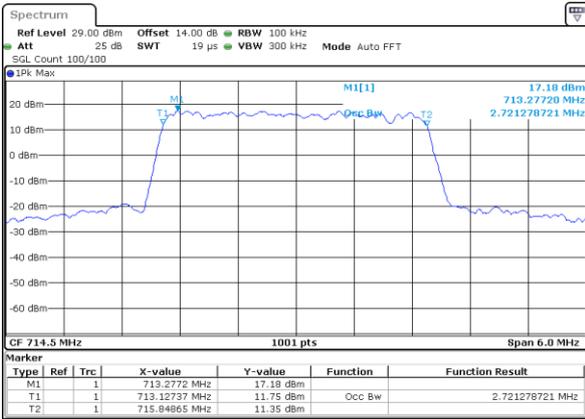
Date: 25 SEP 2021 10:02:37

Middle Channel / 3MHz / 16QAM



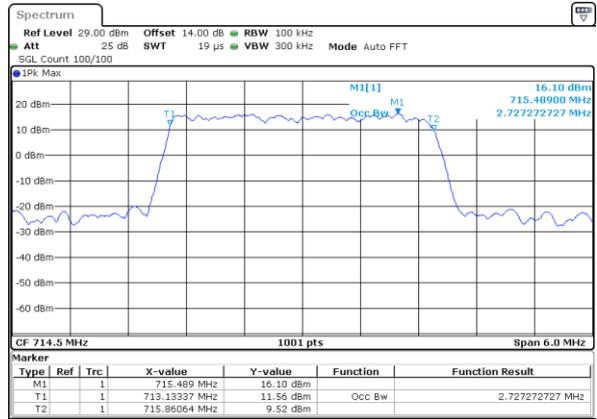
Date: 25 SEP 2021 10:02:26

Highest Channel / 3MHz / QPSK



Date: 25 SEP 2021 10:04:08

Highest Channel / 3MHz / 16QAM

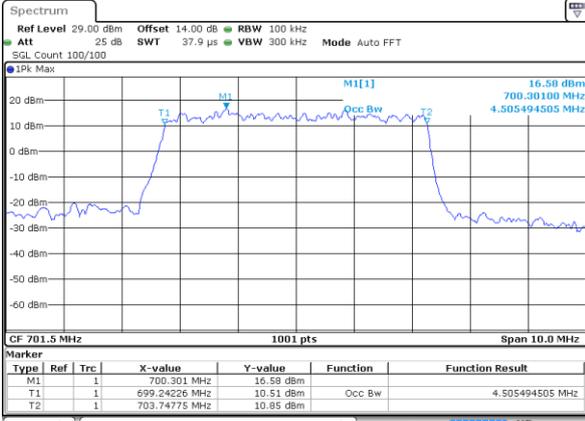


Date: 25 SEP 2021 10:04:19



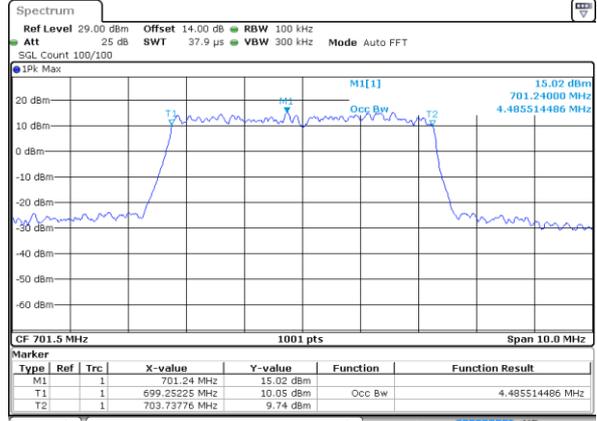
LTE Band 12

Lowest Channel / 5MHz / QPSK



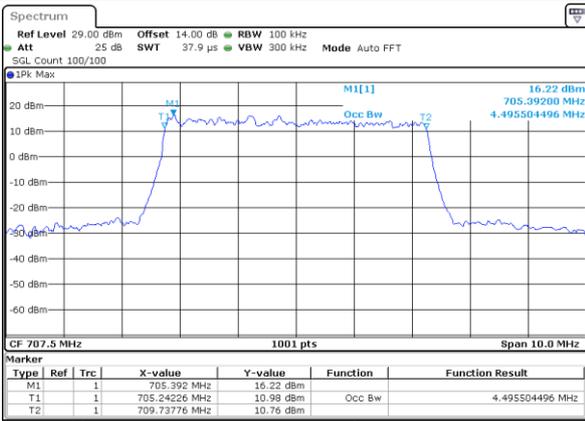
Date: 25 SEP 2021 10:11:06

Lowest Channel / 5MHz / 16QAM



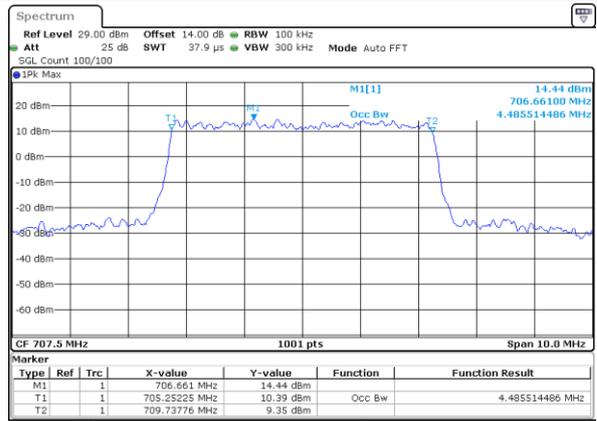
Date: 25 SEP 2021 10:11:17

Middle Channel / 5MHz / QPSK



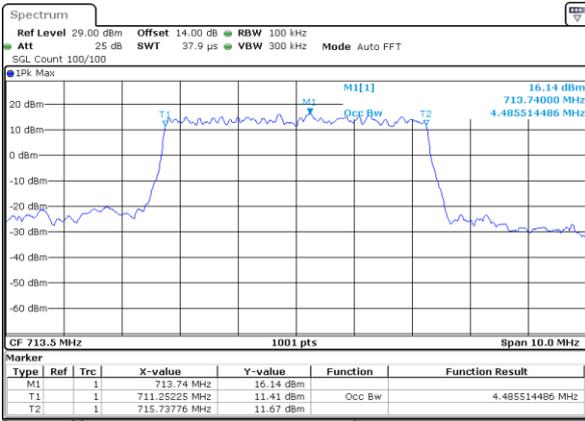
Date: 25 SEP 2021 10:18:14

Middle Channel / 5MHz / 16QAM



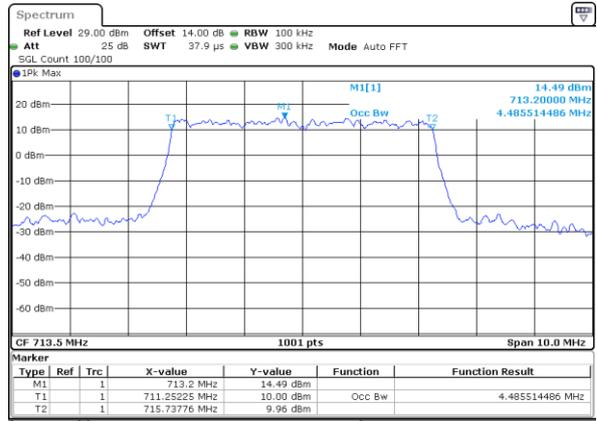
Date: 25 SEP 2021 10:18:03

Highest Channel / 5MHz / QPSK



Date: 25 SEP 2021 10:19:45

Highest Channel / 5MHz / 16QAM

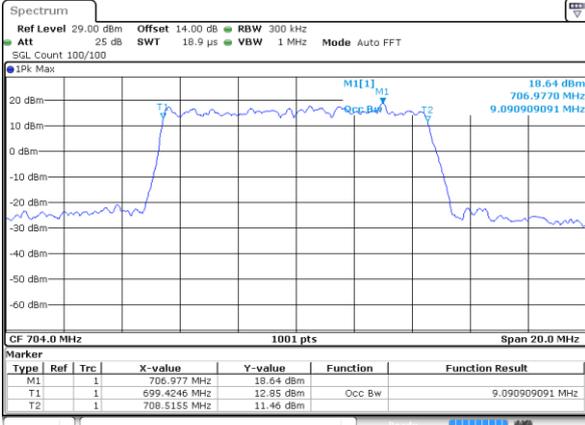


Date: 25 SEP 2021 10:19:56



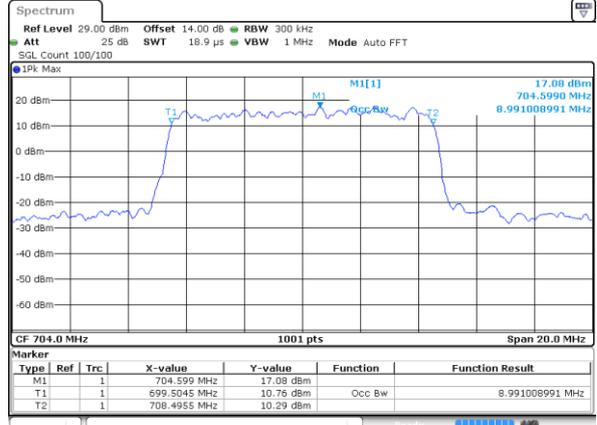
LTE Band 12

Lowest Channel / 10MHz / QPSK



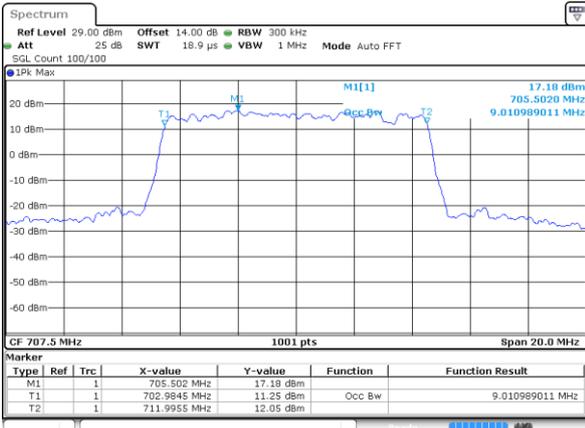
Date: 25 SEP 2021 10:26:43

Lowest Channel / 10MHz / 16QAM



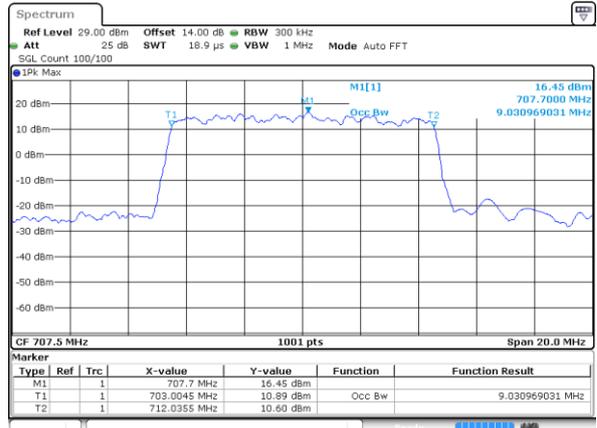
Date: 25 SEP 2021 10:26:54

Middle Channel / 10MHz / QPSK



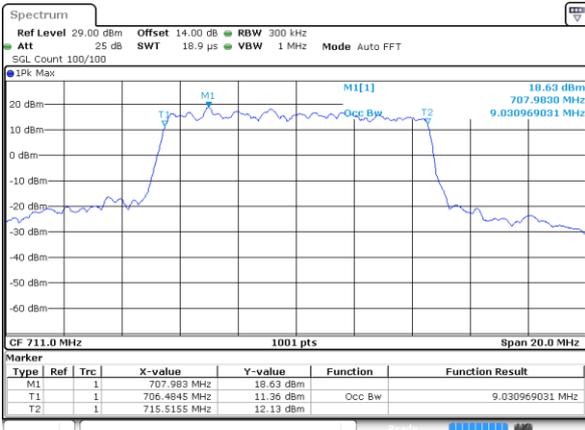
Date: 25 SEP 2021 10:33:52

Middle Channel / 10MHz / 16QAM



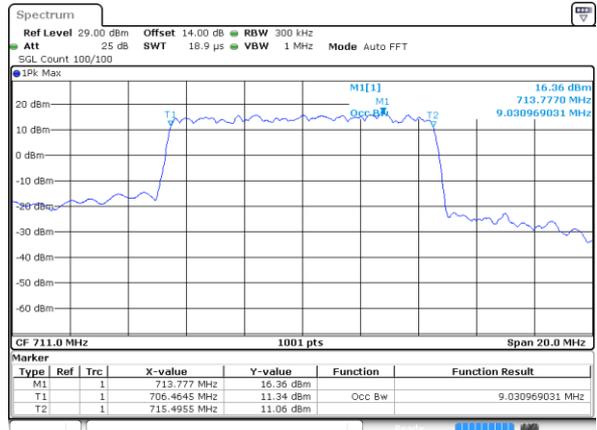
Date: 25 SEP 2021 10:33:41

Highest Channel / 10MHz / QPSK



Date: 25 SEP 2021 10:35:23

Highest Channel / 10MHz / 16QAM

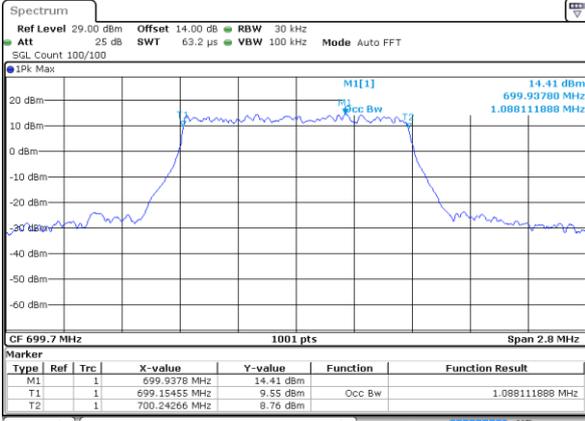


Date: 25 SEP 2021 10:35:34



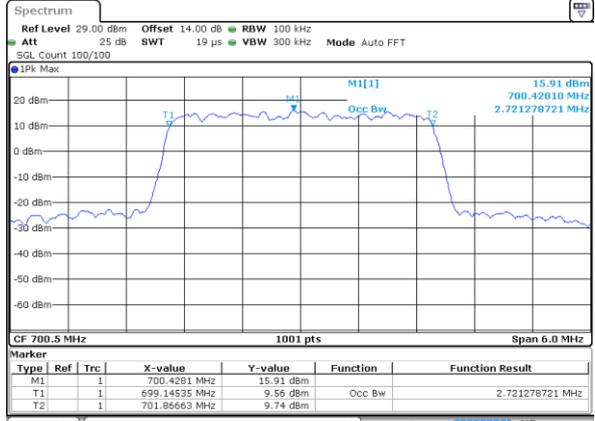
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



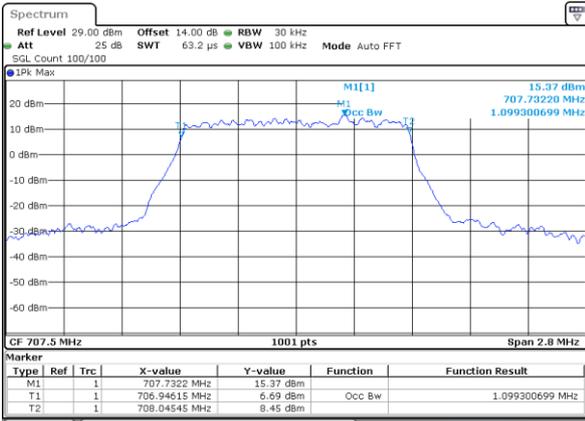
Date: 25 SEP 2021 11:25:53

Lowest Channel / 3MHz / 64QAM



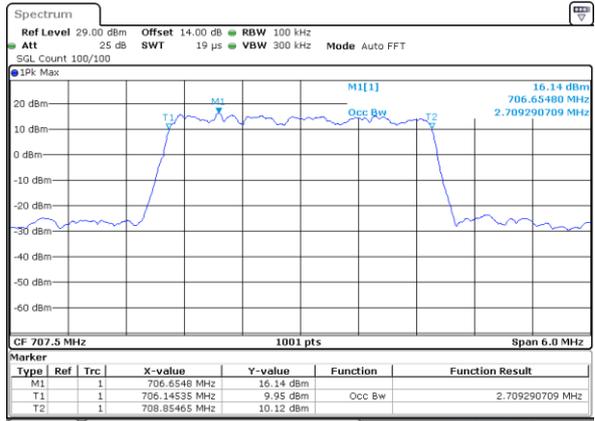
Date: 25 SEP 2021 11:02:27

Middle Channel / 1.4MHz / 64QAM



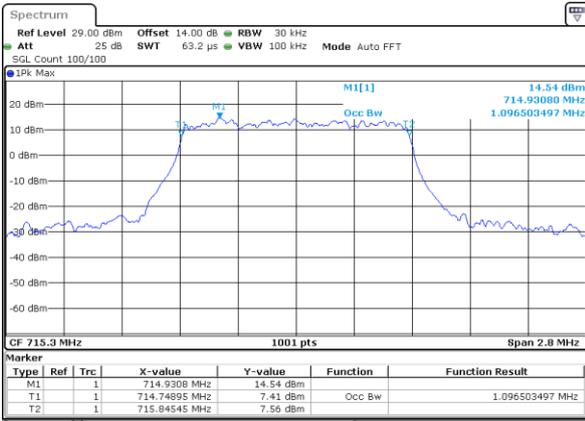
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Middle Channel / 3MHz / 64QAM



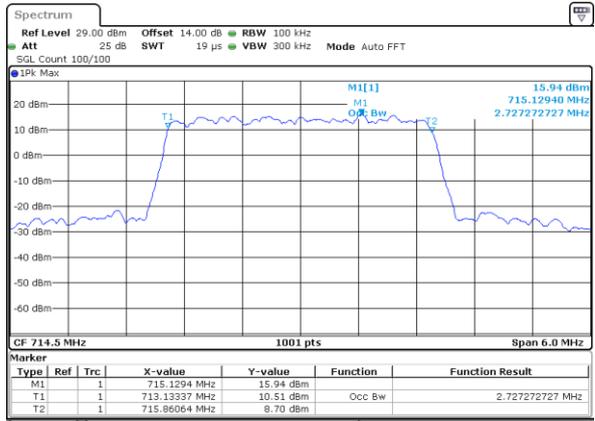
Date: 25 SEP 2021 11:05:56

Highest Channel / 1.4MHz / 64QAM



Date: 25 SEP 2021 11:30:13

Highest Channel / 3MHz / 64QAM

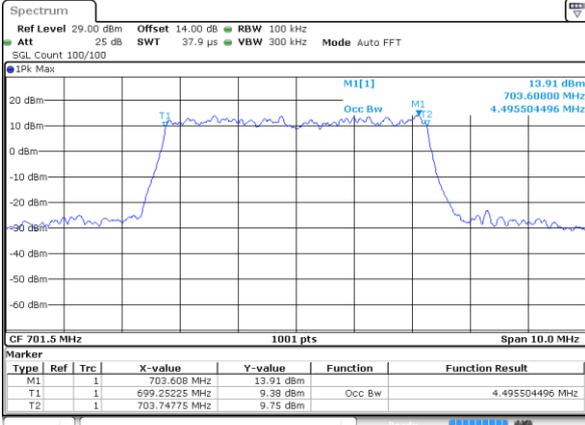


Date: 25 SEP 2021 11:06:47



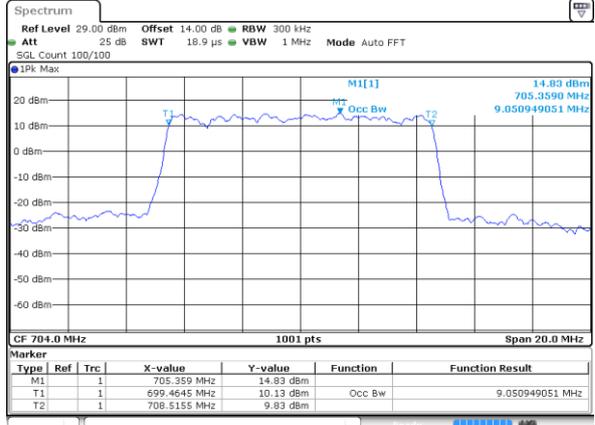
LTE Band 12

Lowest Channel / 5MHz / 64QAM



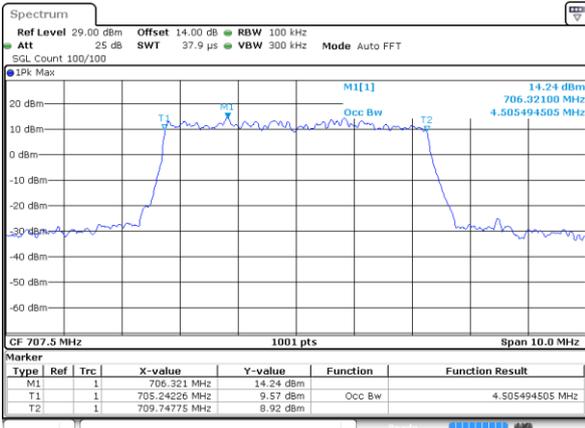
Date: 25 SEP 2021 11:10:16

Lowest Channel / 10MHz / 64QAM



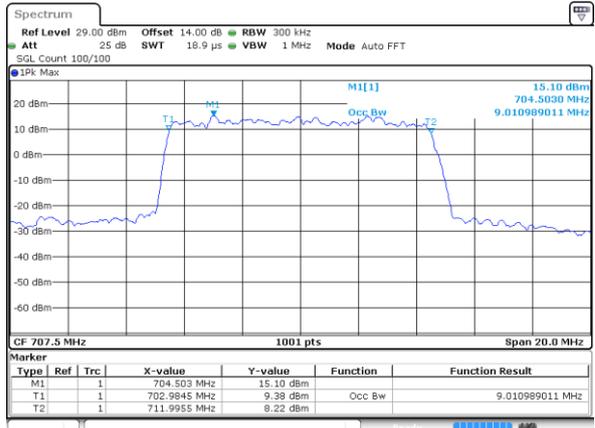
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Middle Channel / 5MHz / 64QAM



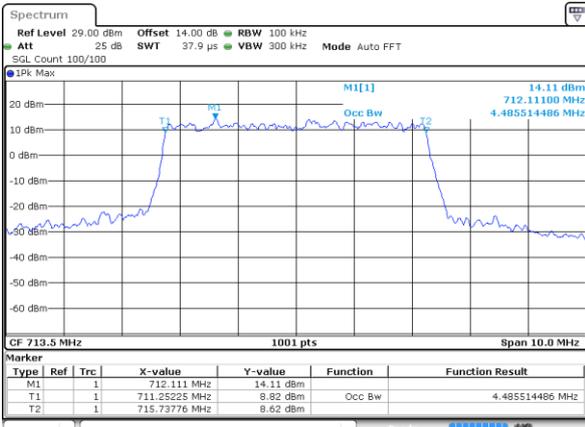
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Middle Channel / 10MHz / 64QAM



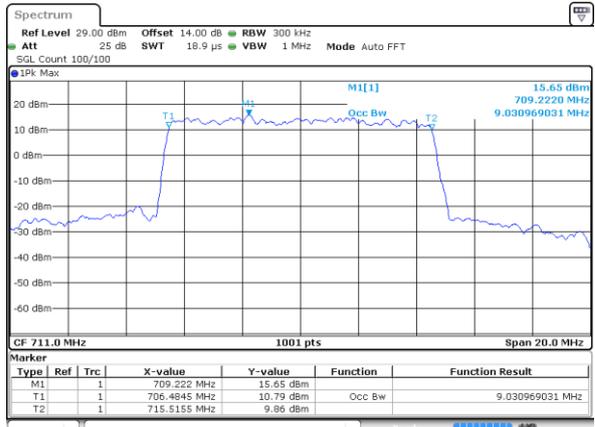
Date: 25 SEP 2021 11:21:33

Highest Channel / 5MHz / 64QAM



Date: 25 SEP 2021 11:14:36

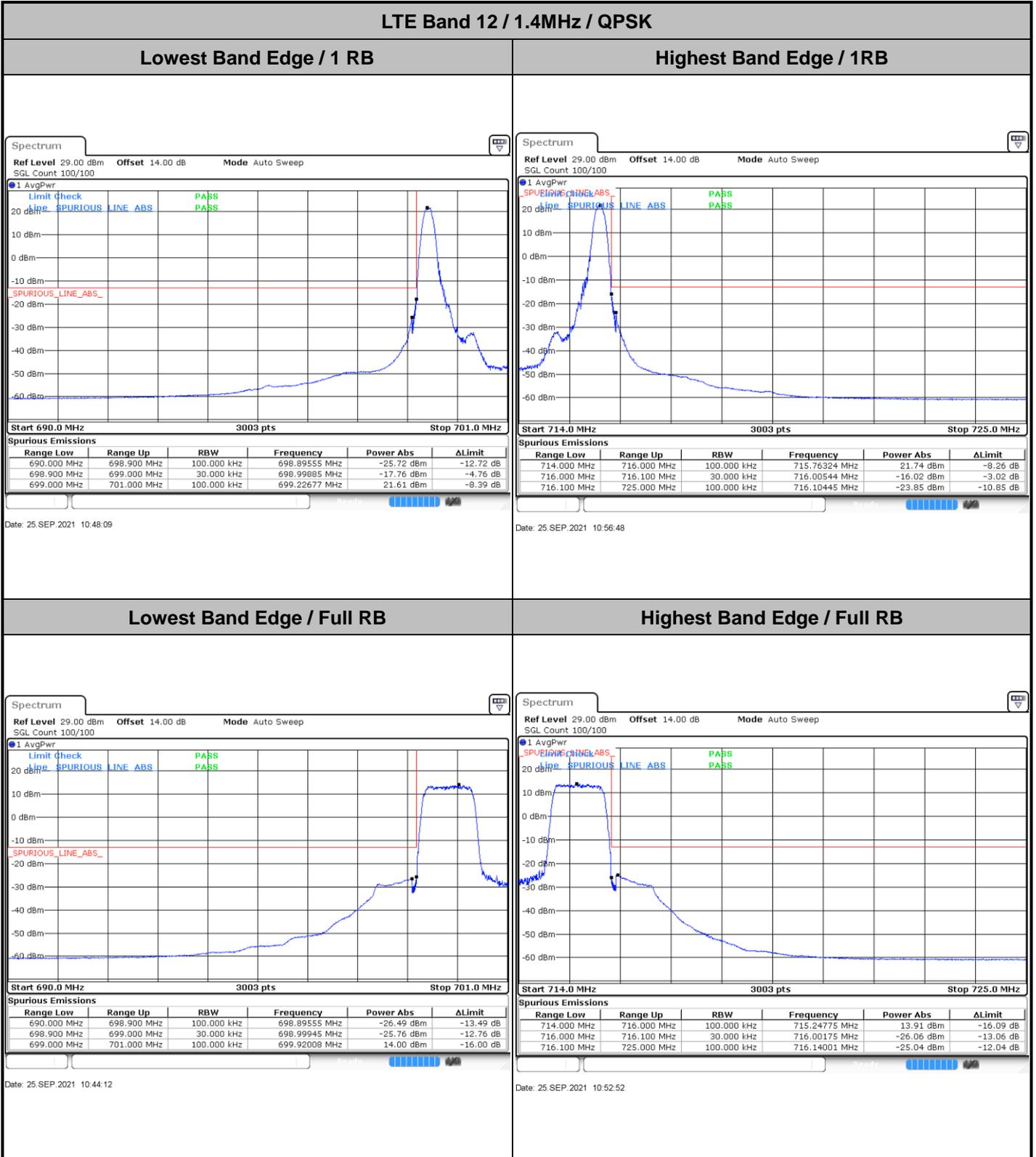
Highest Channel / 10MHz / 64QAM



Date: 25 SEP 2021 11:22:24



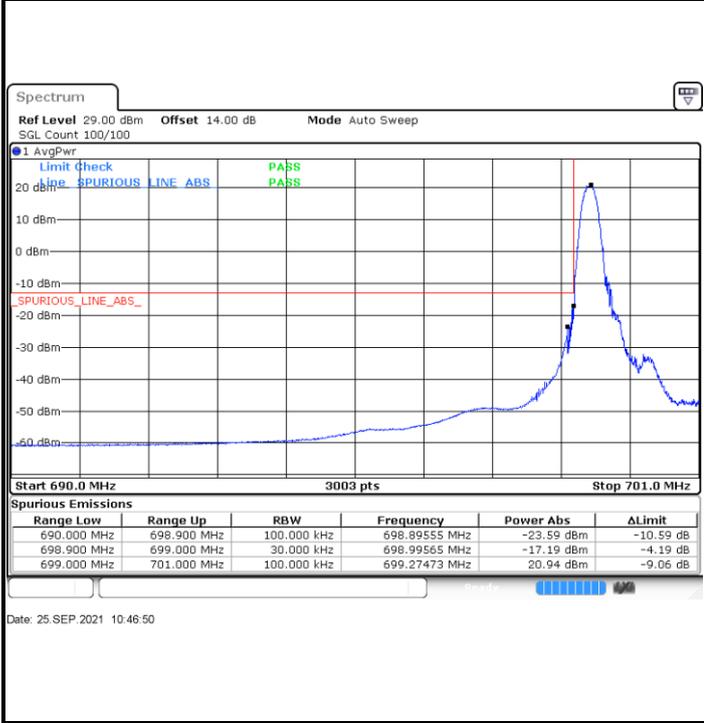
# Conducted Band Edge



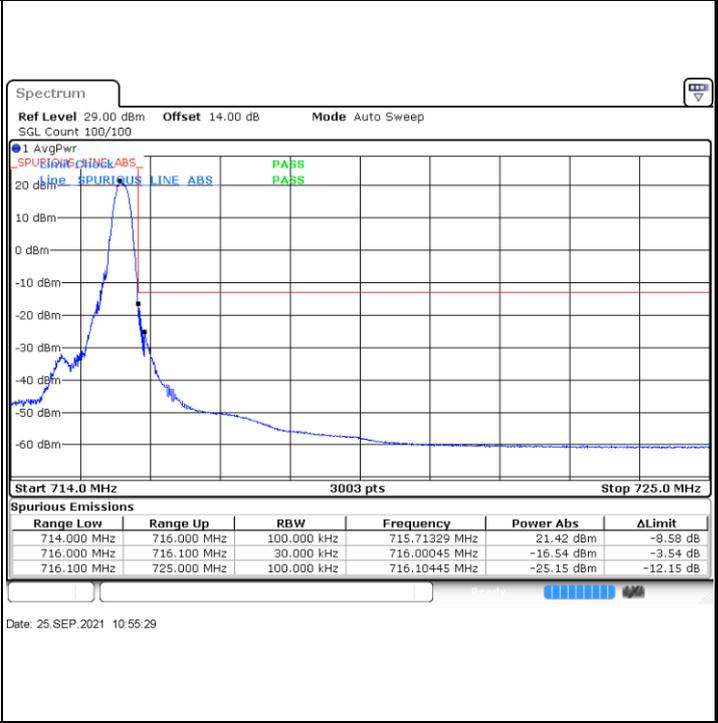


LTE Band 12 / 1.4MHz / 16QAM

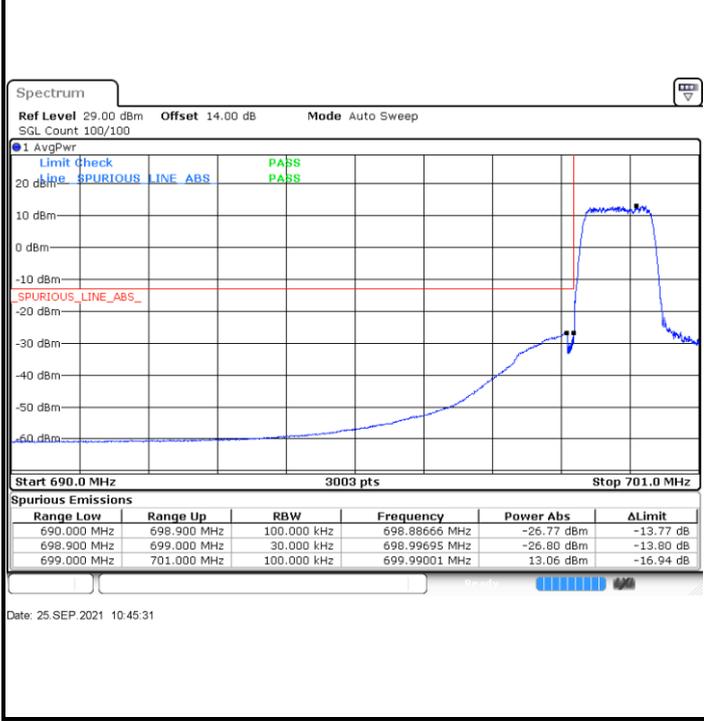
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



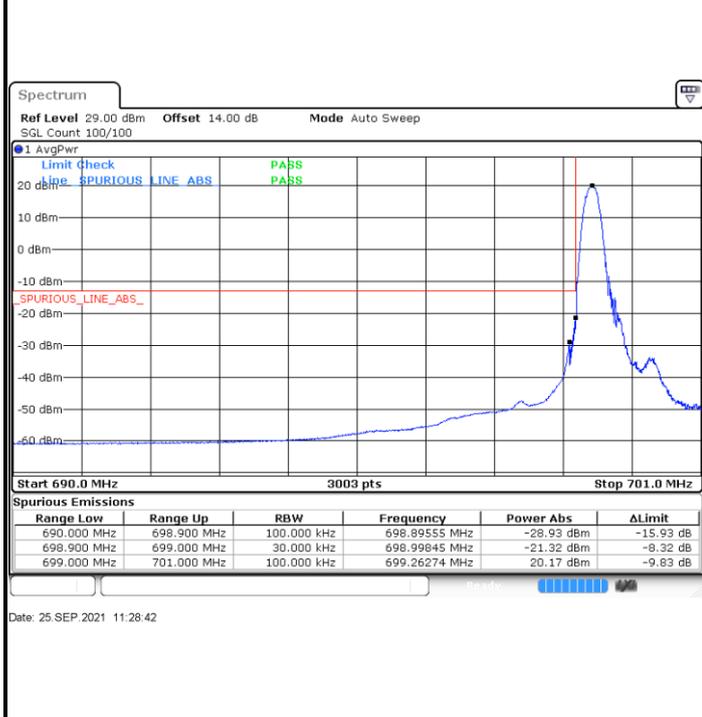
Highest Band Edge / Full RB



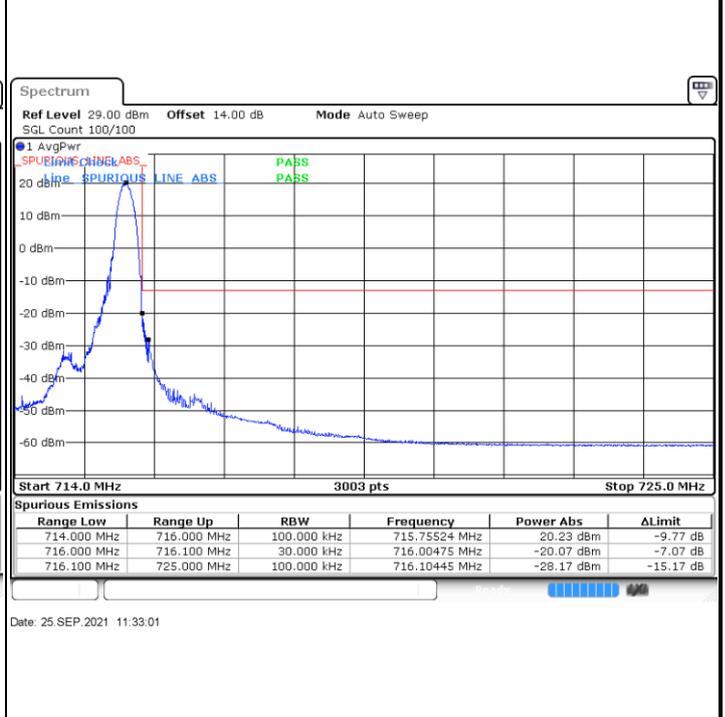


LTE Band 12 / 1.4MHz / 64QAM

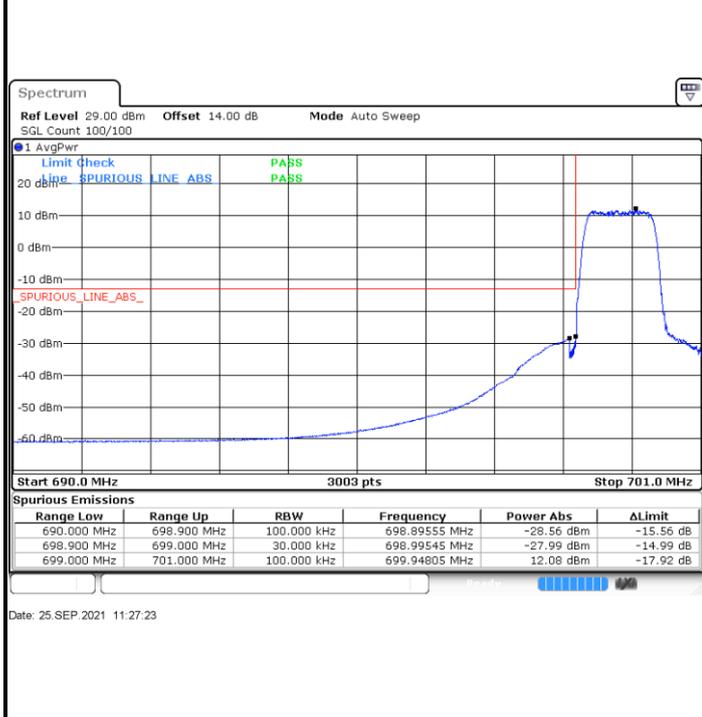
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



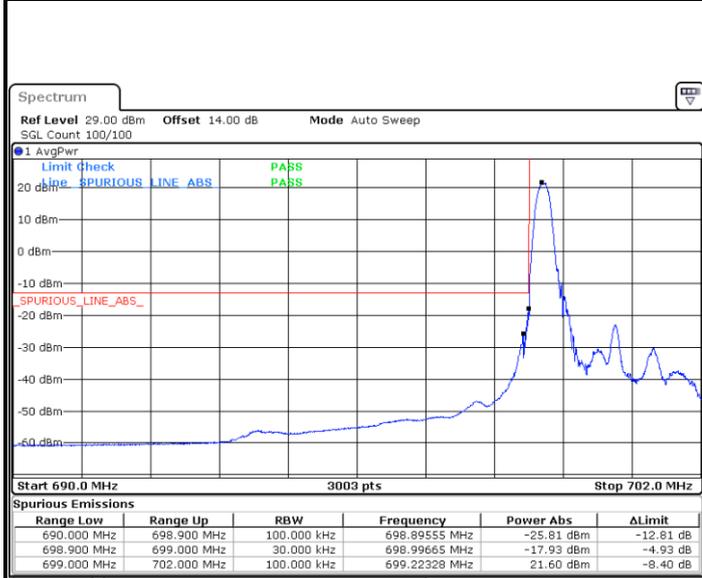
Highest Band Edge / Full RB





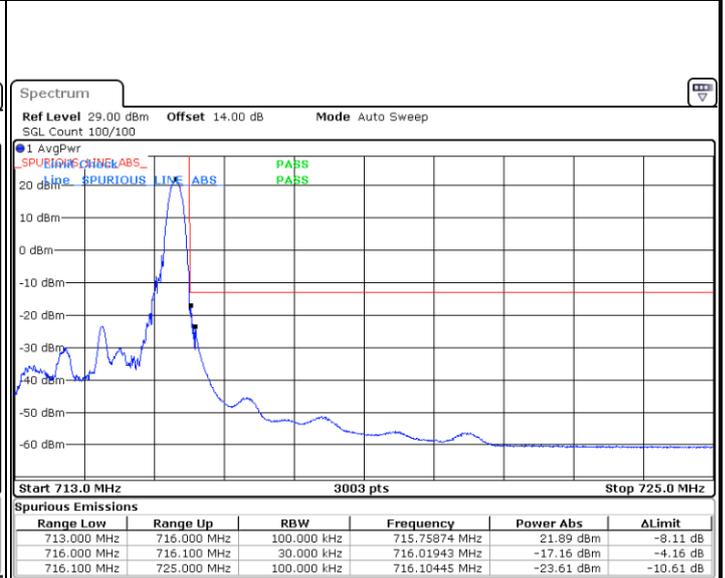
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



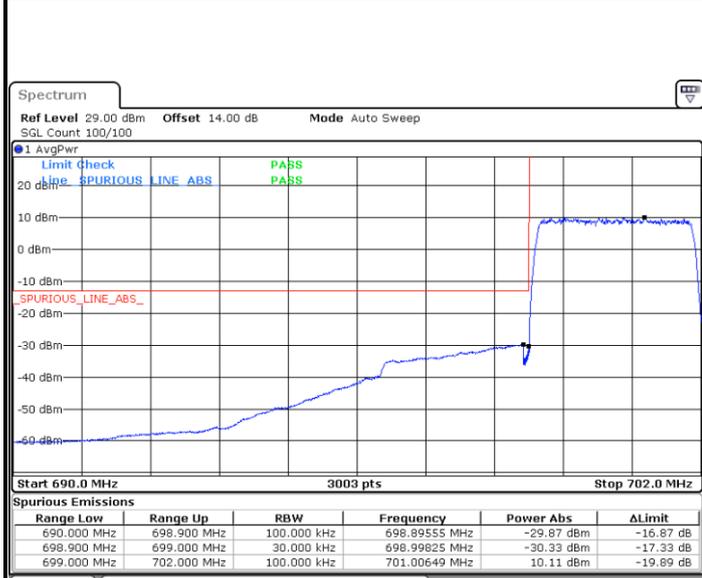
Date: 25.SEP.2021 10:01:16

Highest Band Edge / 1 RB



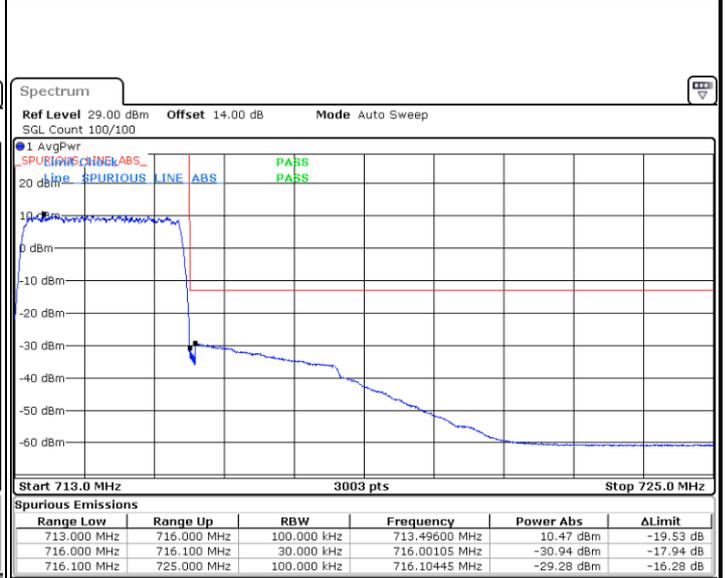
Date: 25.SEP.2021 10:09:56

Lowest Band Edge / Full RB



Date: 25.SEP.2021 09:57:20

Highest Band Edge / Full RB

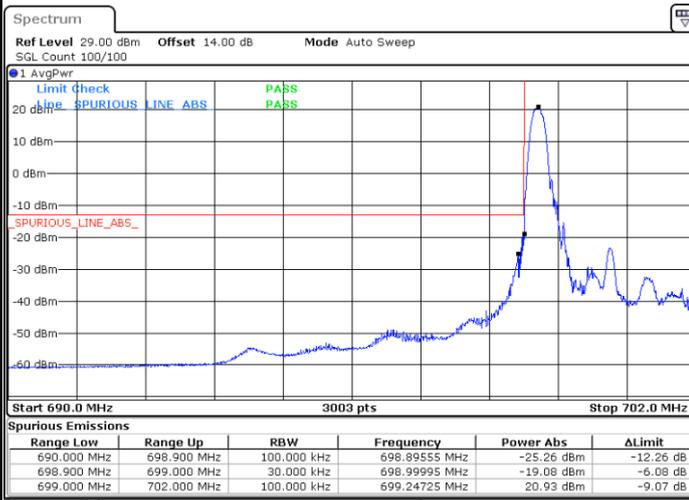


Date: 25.SEP.2021 10:05:59



LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 25.SEP.2021 09:59:58

Highest Band Edge / 1 RB



Date: 25.SEP.2021 10:08:37

Lowest Band Edge / Full RB



Date: 25.SEP.2021 09:58:39

Highest Band Edge / Full RB

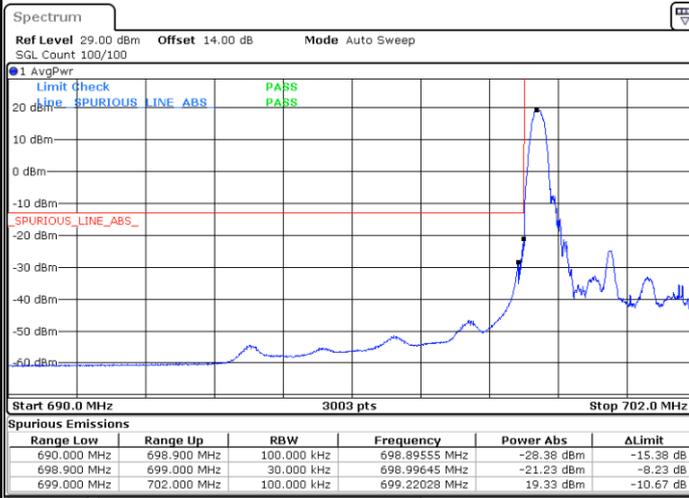


Date: 25.SEP.2021 10:07:18



LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 25.SEP.2021 11:05:16

Highest Band Edge / 1 RB



Date: 25.SEP.2021 11:09:36

Lowest Band Edge / Full RB



Date: 25.SEP.2021 11:03:57

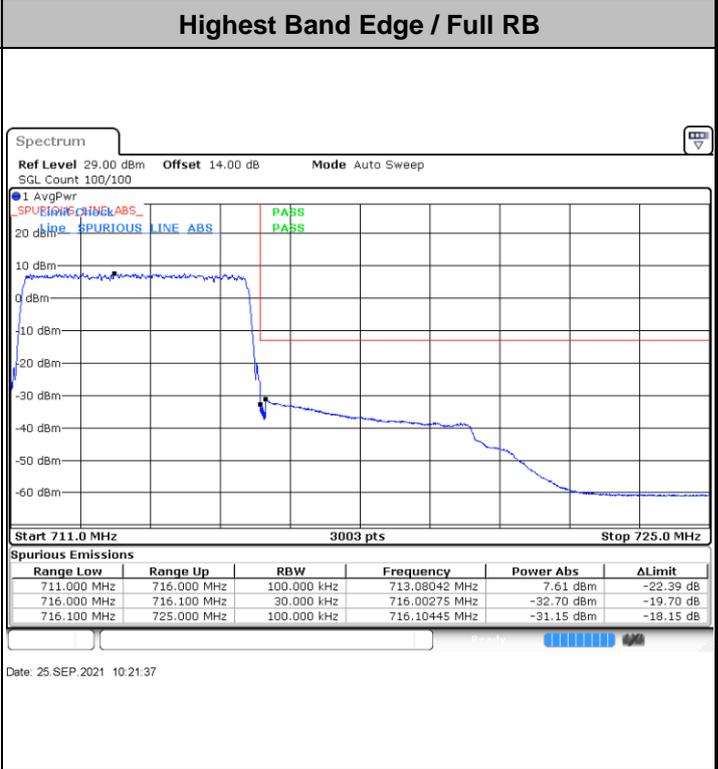
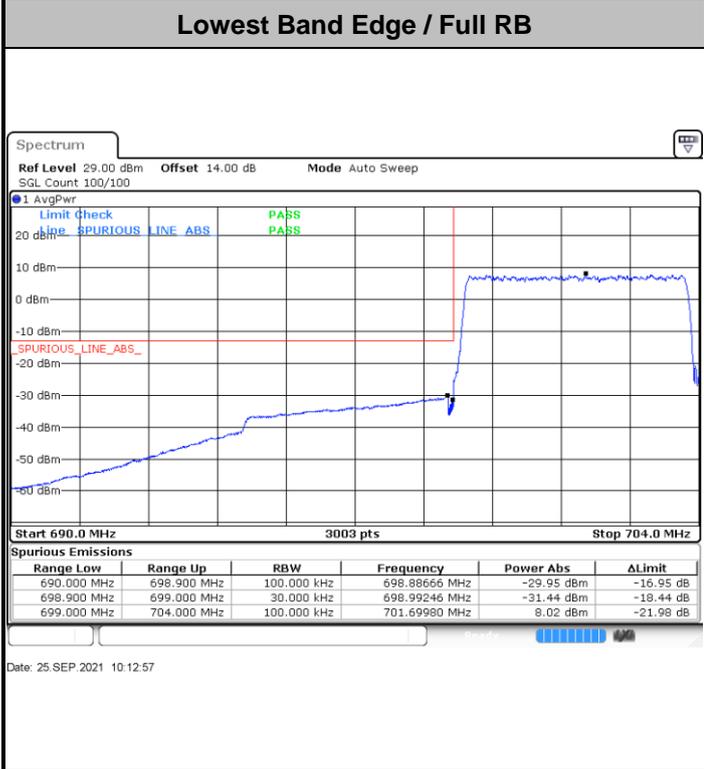
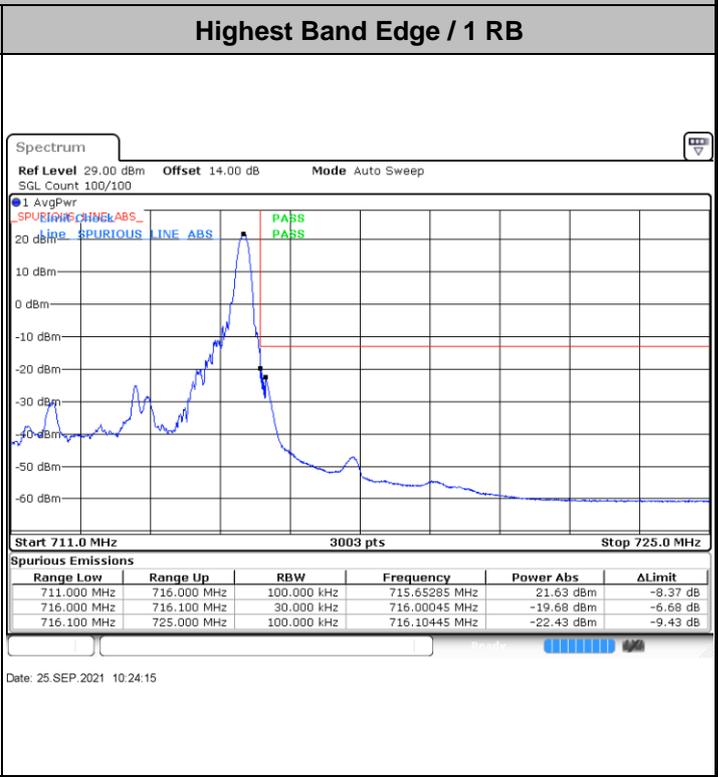
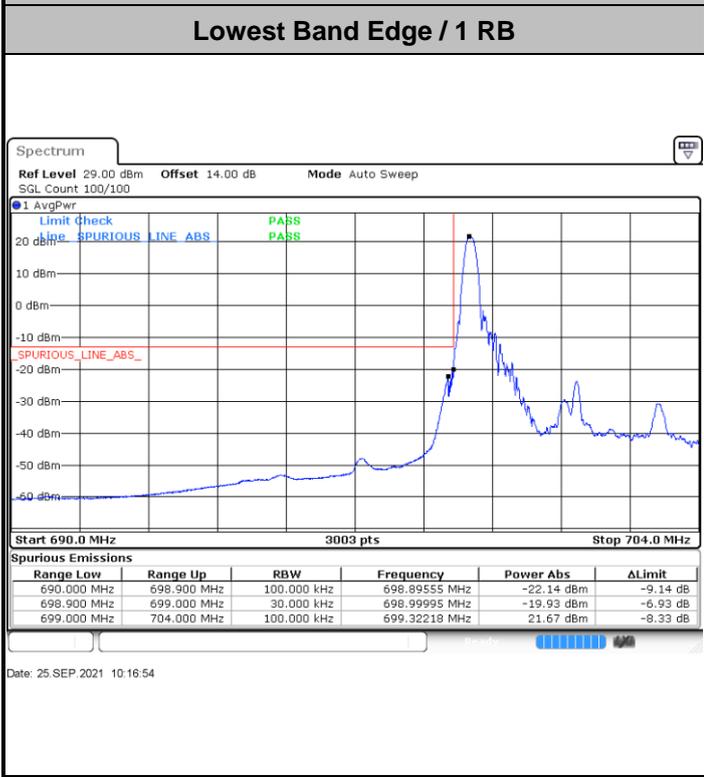
Highest Band Edge / Full RB



Date: 25.SEP.2021 11:08:17



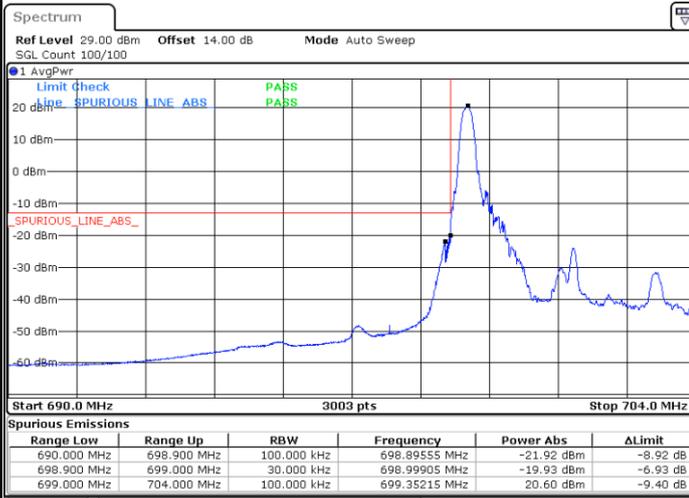
**LTE Band 12 / 5MHz / QPSK**





LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



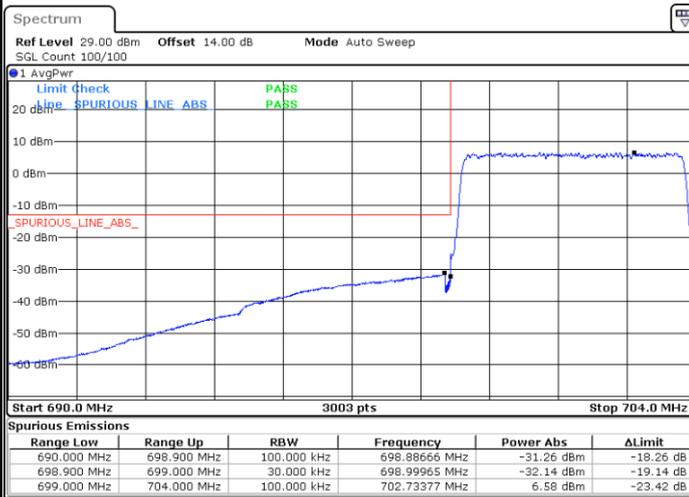
Date: 25.SEP.2021 10:15:35

Highest Band Edge / 1 RB



Date: 25.SEP.2021 10:25:34

Lowest Band Edge / Full RB



Date: 25.SEP.2021 10:14:16

Highest Band Edge / Full RB

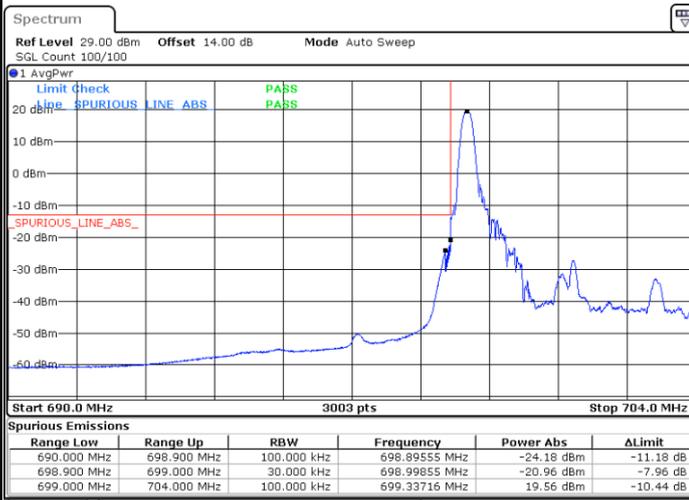


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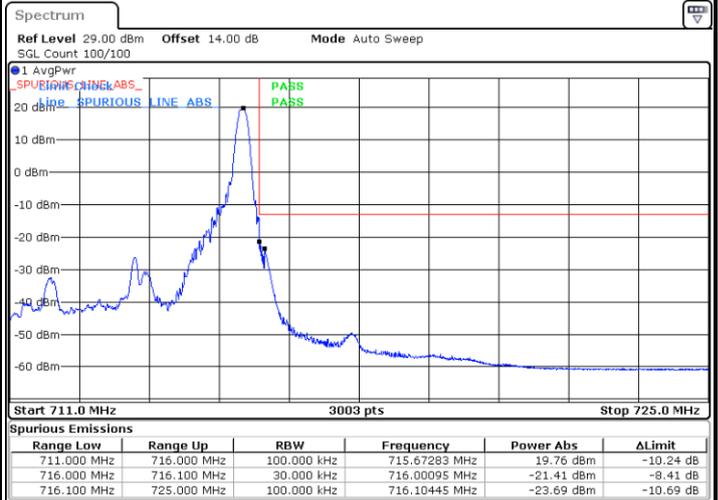
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



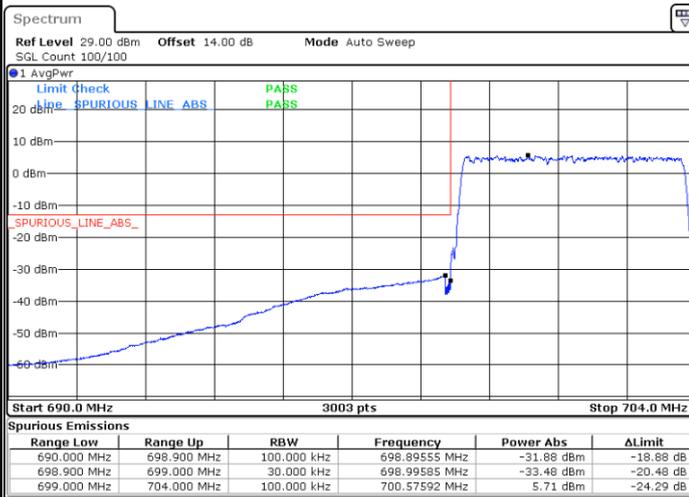
Date: 25 SEP 2021 11:13:04

Highest Band Edge / 1 RB



Date: 25 SEP 2021 11:17:24

Lowest Band Edge / Full RB



Date: 25 SEP 2021 11:11:46

Highest Band Edge / Full RB

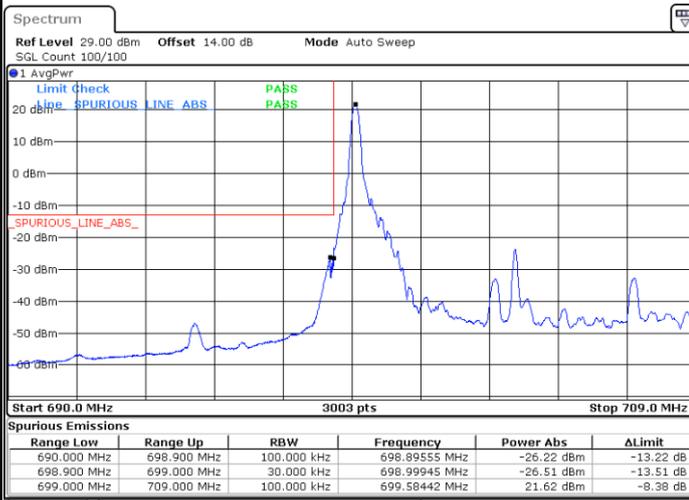


Date: 25 SEP 2021 11:16:06



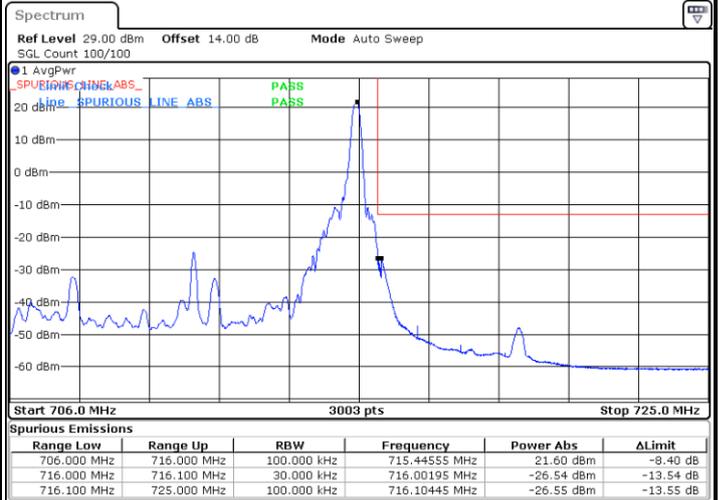
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



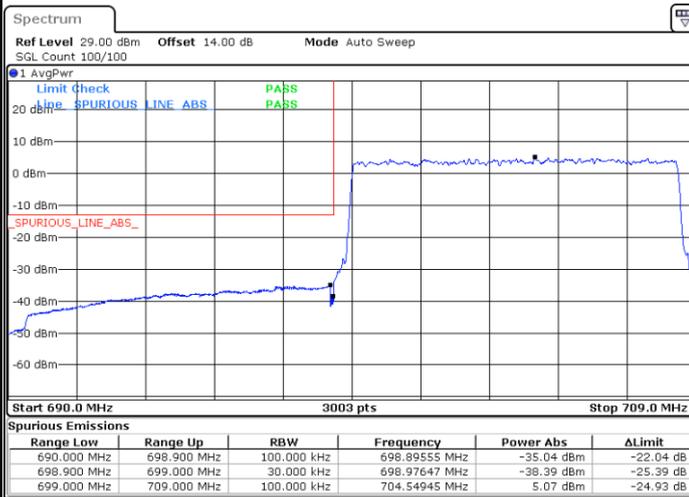
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Highest Band Edge / 1 RB



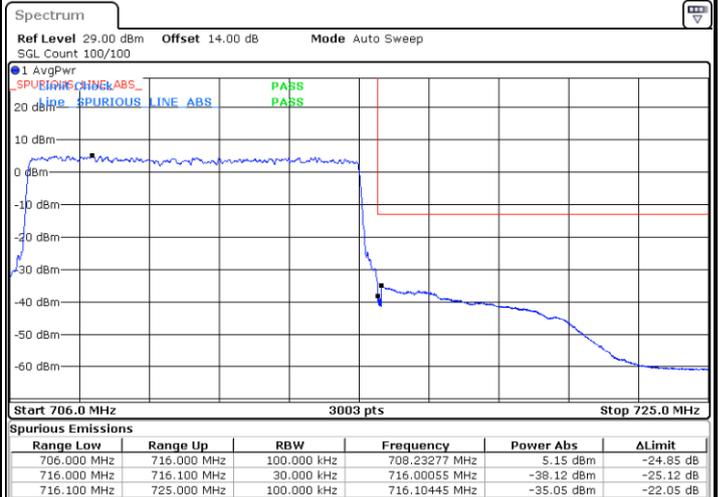
Date: 25 SEP, 2021 10:41:11

Lowest Band Edge / Full RB



Date: 25 SEP 2021 10:28:35

Highest Band Edge / Full RB

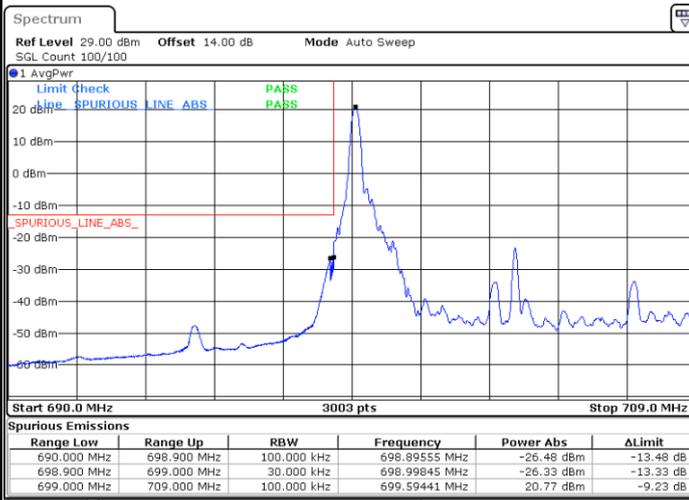


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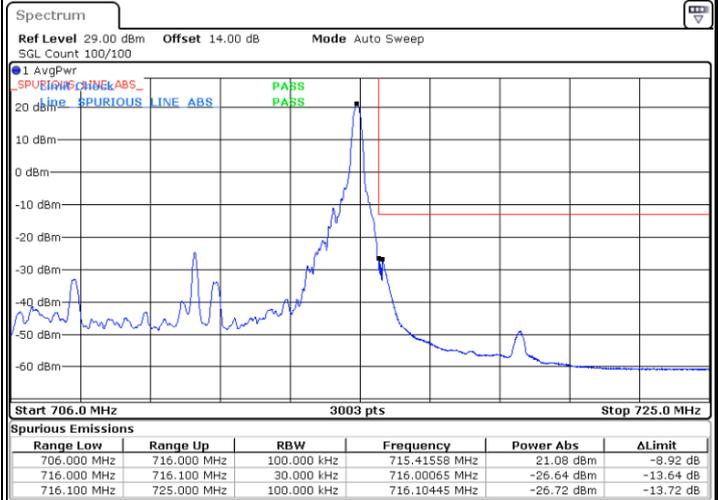
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



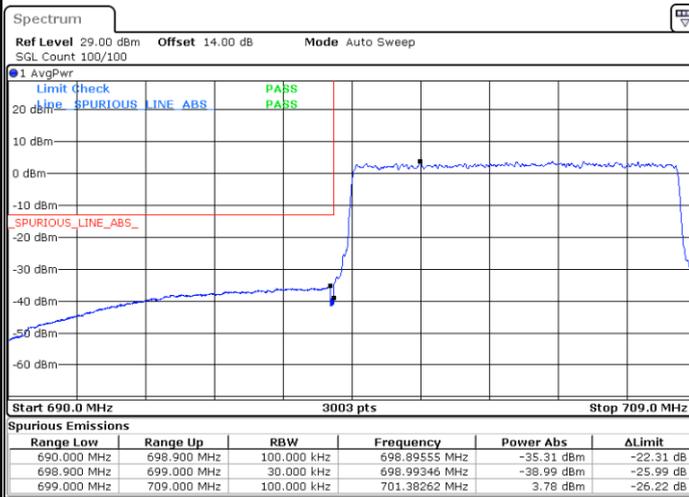
Date: 25.SEP.2021 10:31:12

Highest Band Edge / 1 RB



Date: 25.SEP.2021 10:39:52

Lowest Band Edge / Full RB



Date: 25.SEP.2021 10:29:54

Highest Band Edge / Full RB

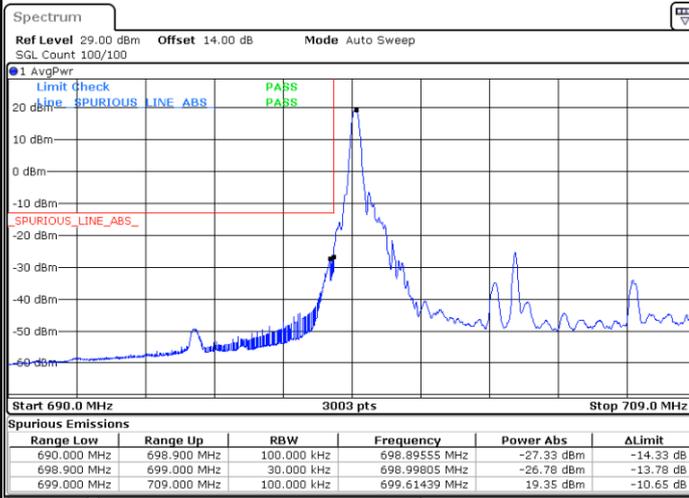


Date: 25.SEP.2021 10:38:33



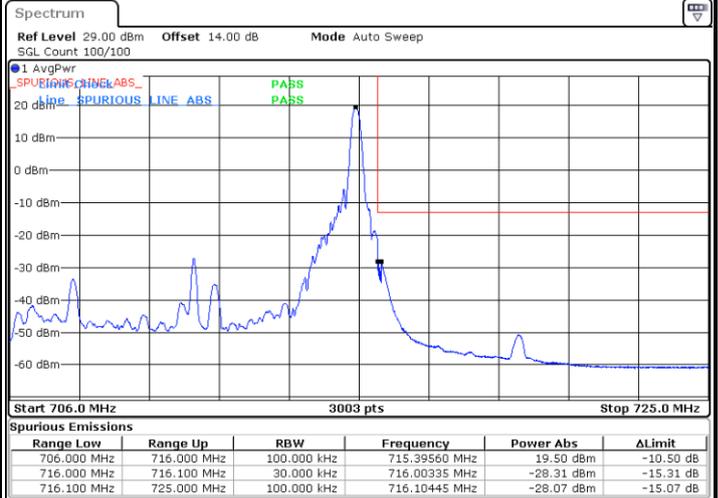
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



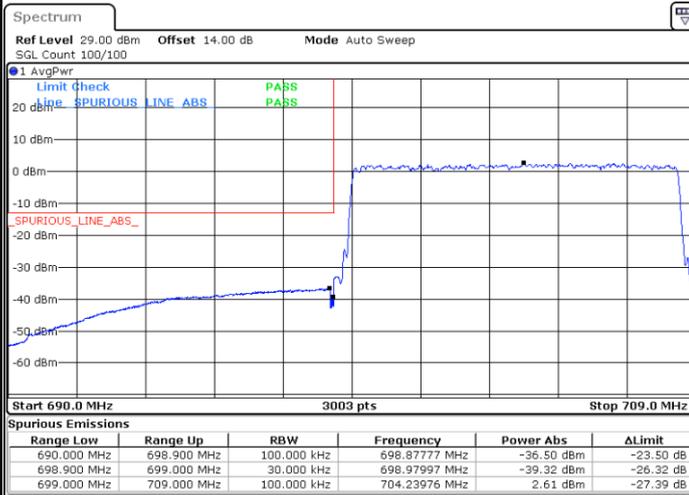
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Highest Band Edge / 1 RB



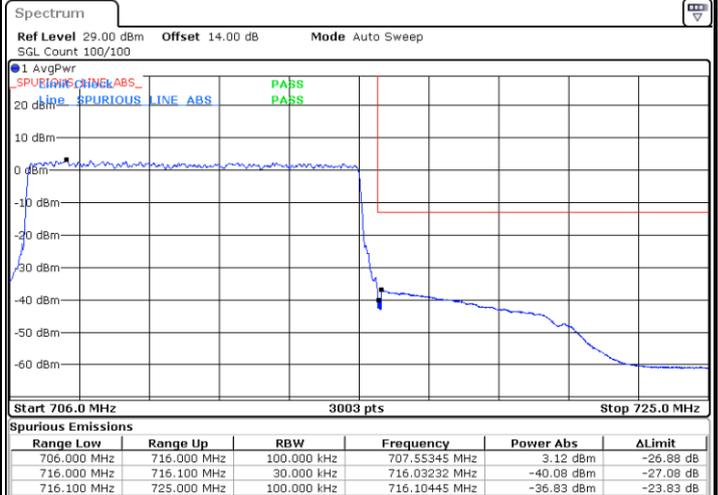
Date: 25.SEP.2021 11:25:13

Lowest Band Edge / Full RB



Date: 25.SEP.2021 11:19:34

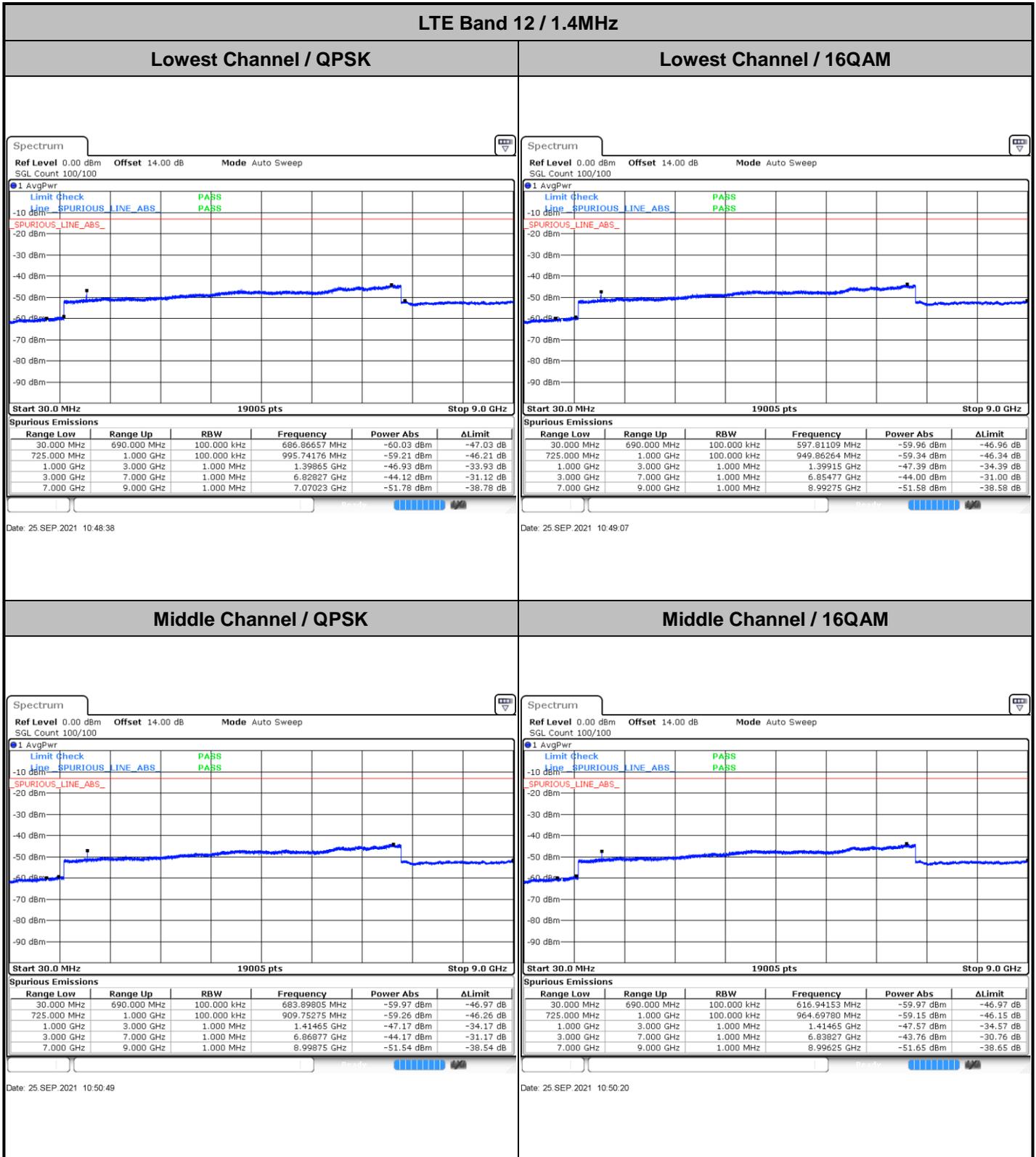
Highest Band Edge / Full RB



Date: 25.SEP.2021 11:23:54



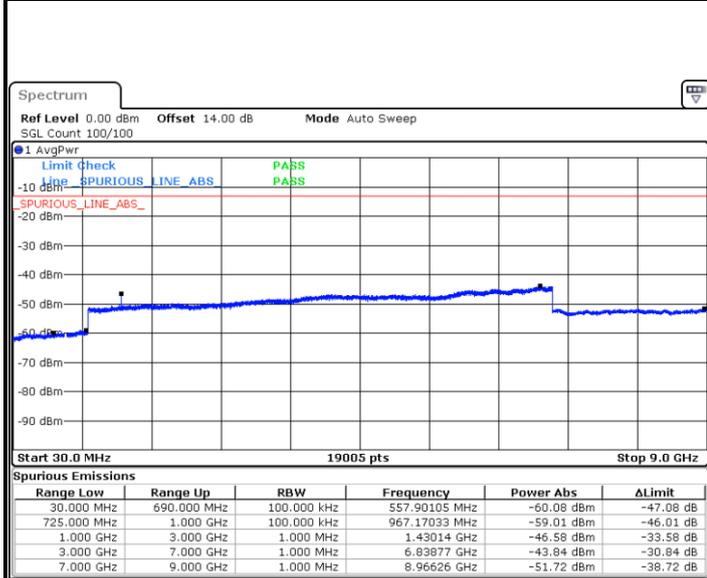
# Conducted Spurious Emission





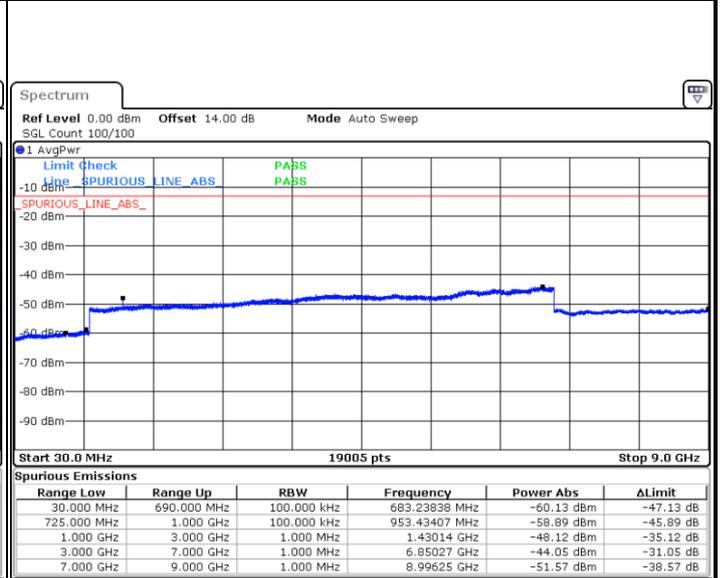
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 25 SEP 2021 10:57:18

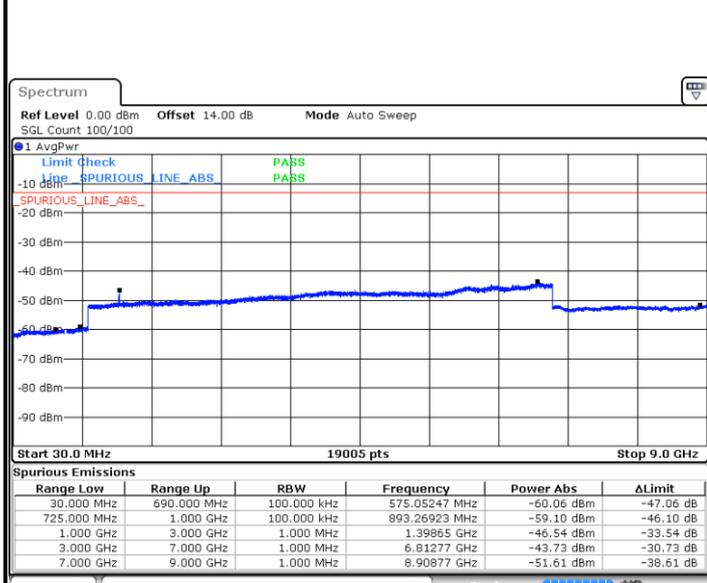
Highest Channel / 16QAM



Date: 25 SEP 2021 10:57:47

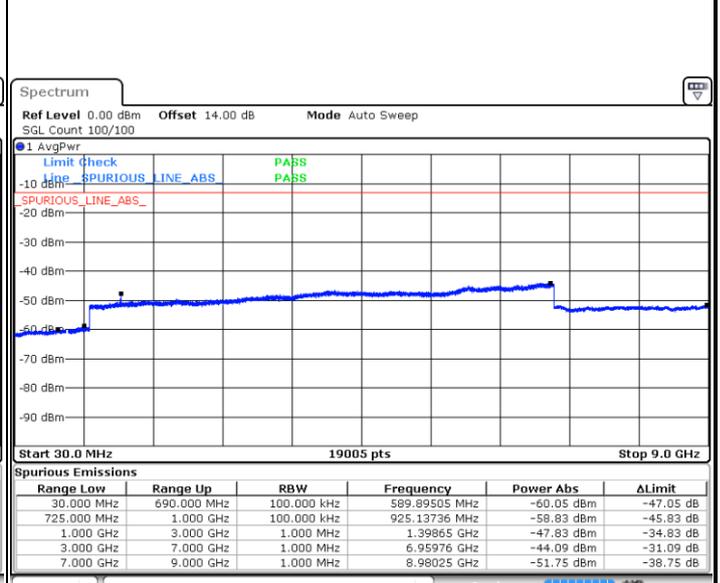
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 25 SEP 2021 10:01:46

Lowest Channel / 16QAM



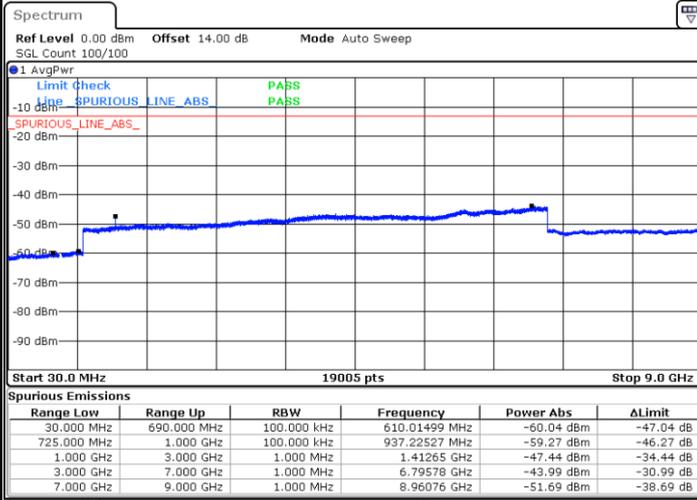
Date: 25 SEP 2021 10:02:15



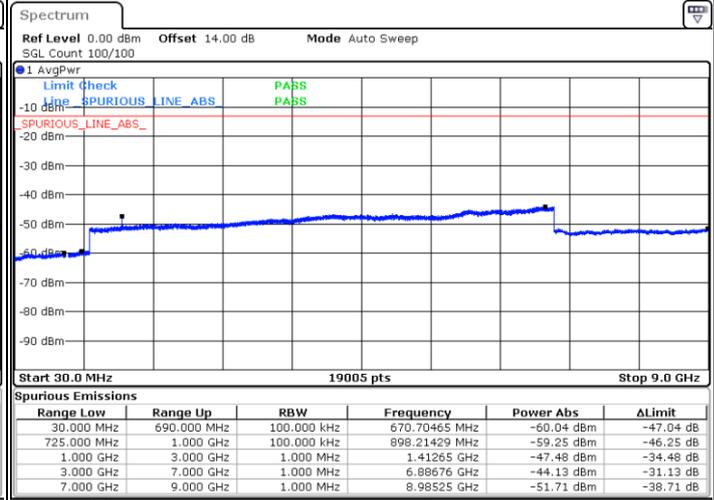
LTE Band 12 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



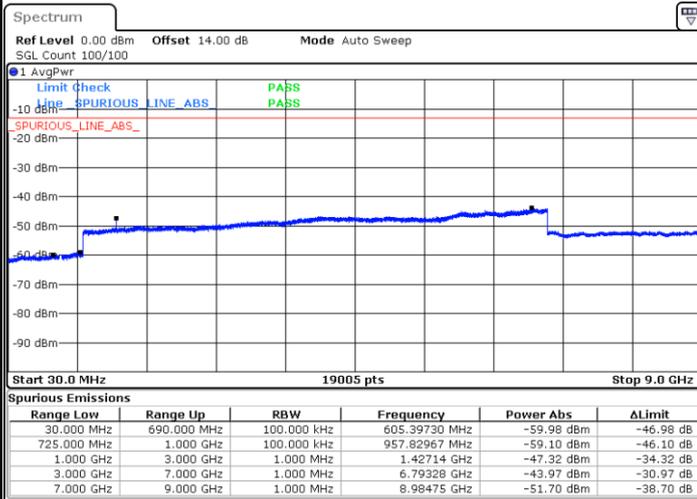
Date: 25 SEP 2021 10:03:57



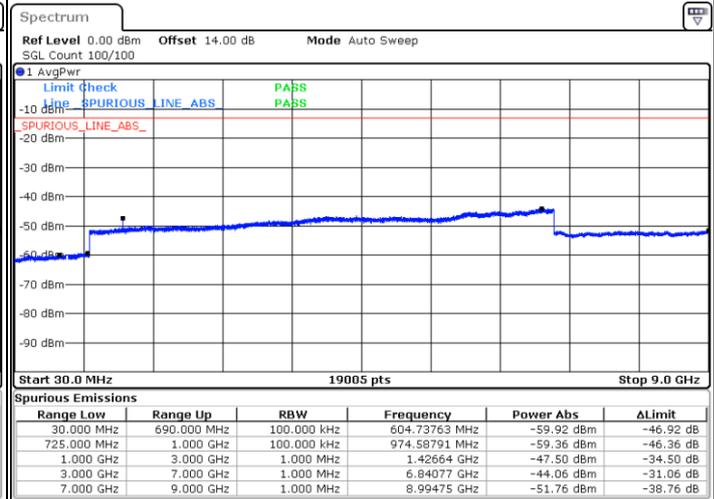
Date: 25 SEP 2021 10:03:28

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 25 SEP 2021 10:10:26



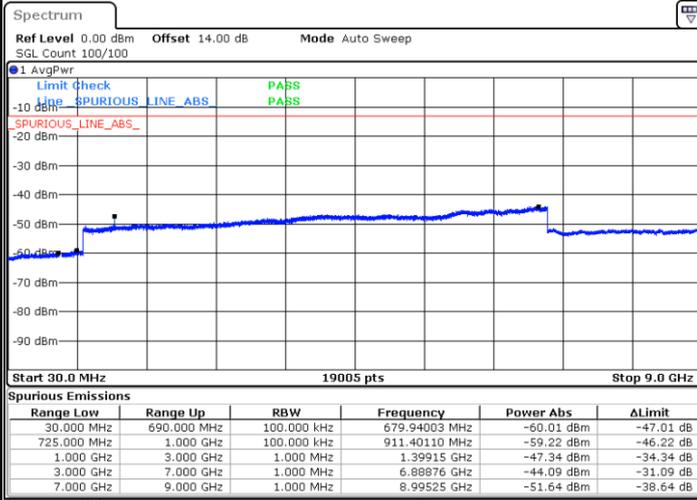
Date: 25 SEP 2021 10:10:55



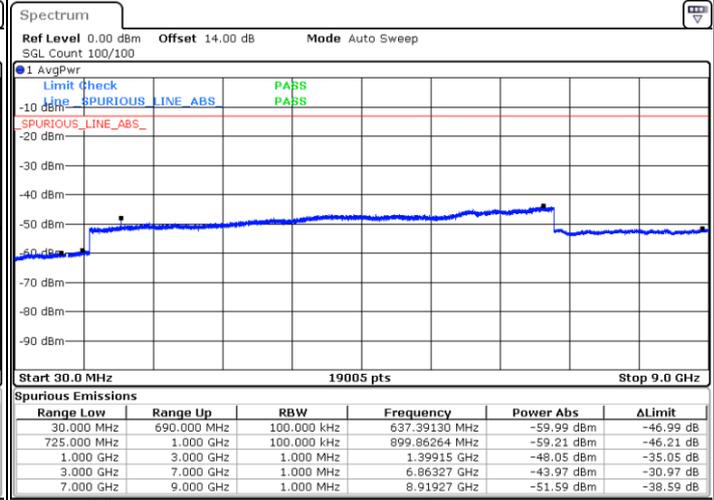
LTE Band 12 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



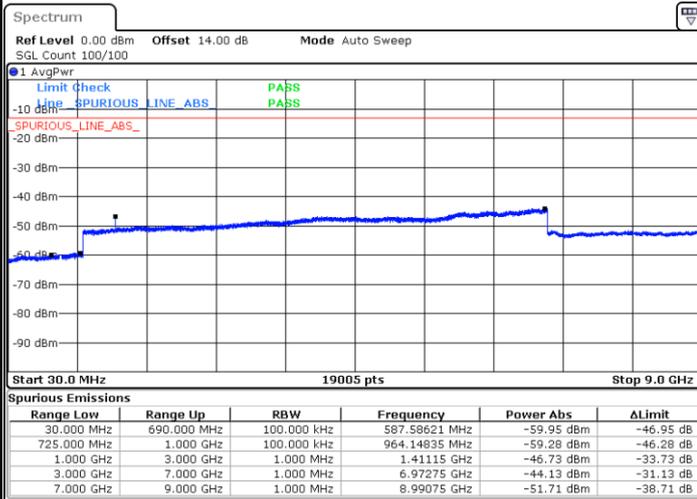
Date: 25 SEP. 2021 10:17:23



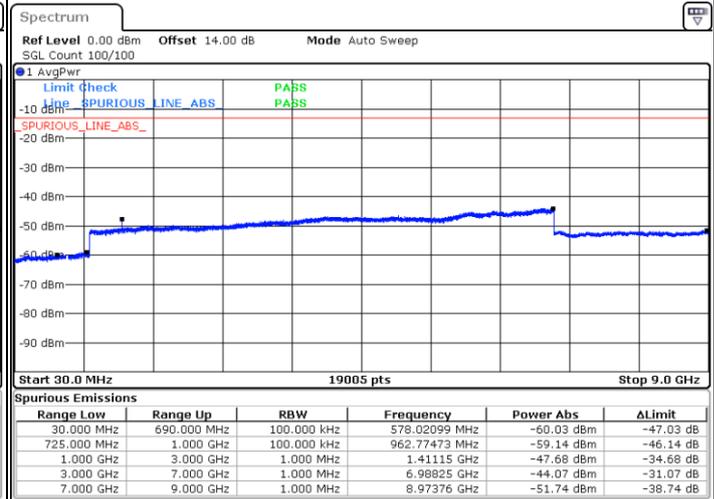
Date: 25 SEP. 2021 10:17:53

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 25 SEP. 2021 10:19:35

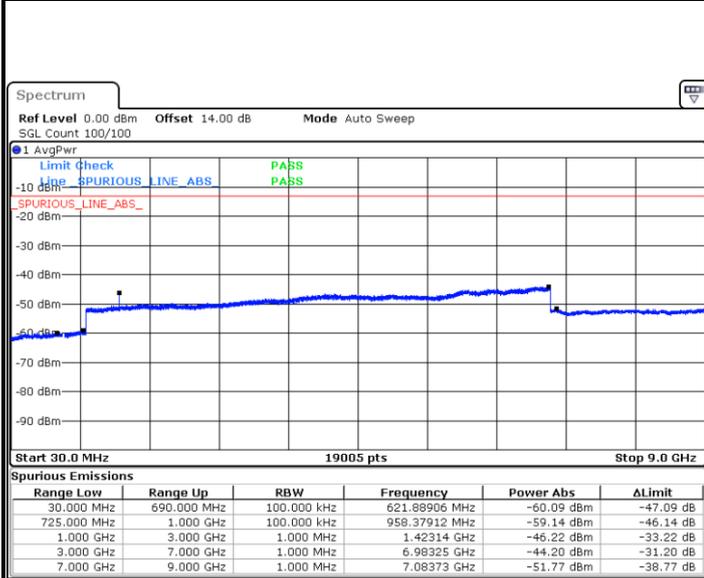


Date: 25 SEP. 2021 10:19:06



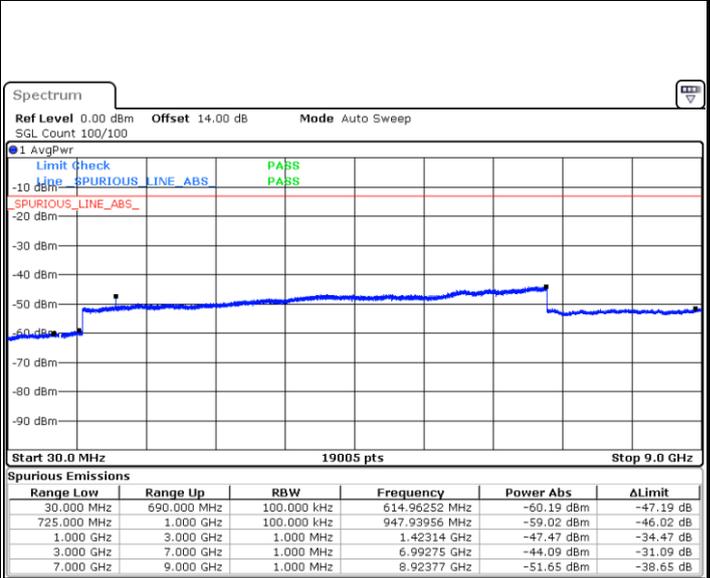
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 25 SEP 2021 10:26:33

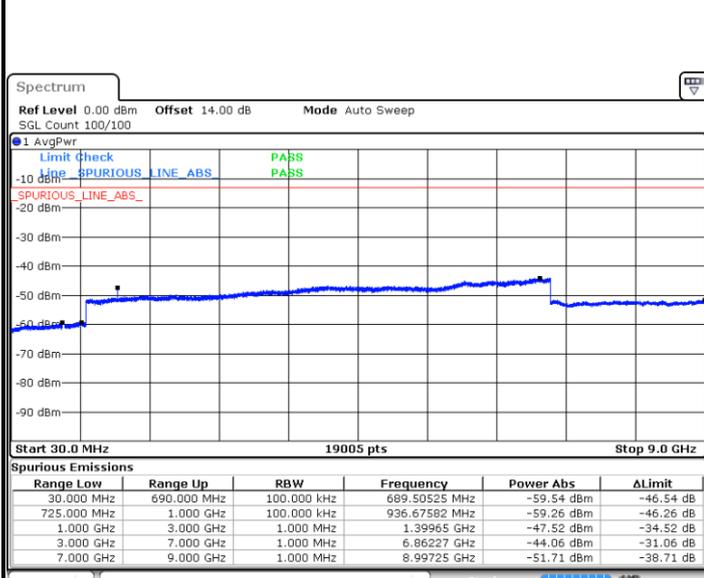
Highest Channel / 16QAM



Date: 25 SEP 2021 10:26:03

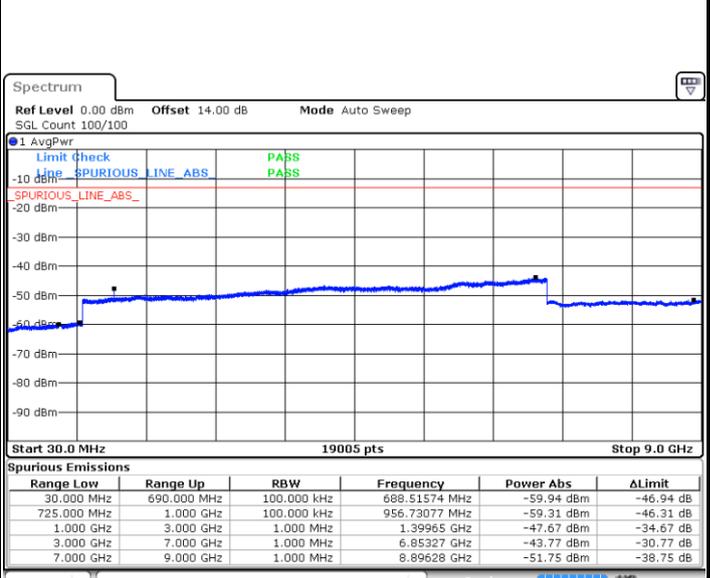
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 25 SEP 2021 10:33:01

Lowest Channel / 16QAM

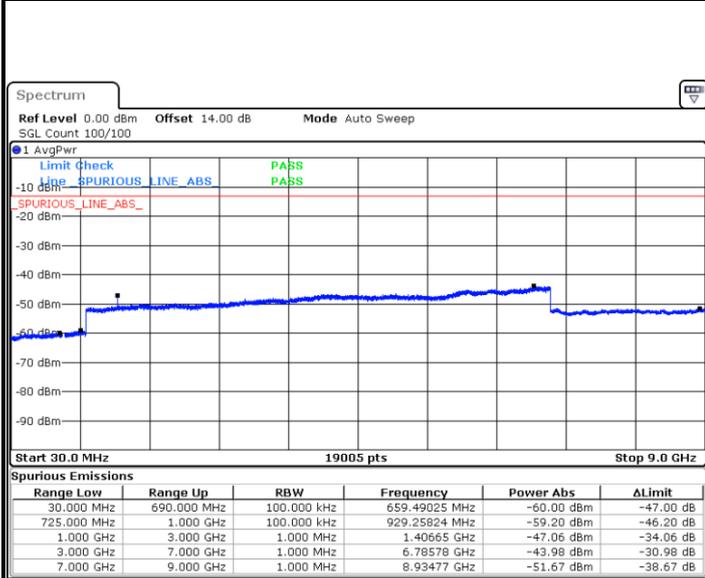


Date: 25 SEP 2021 10:33:30



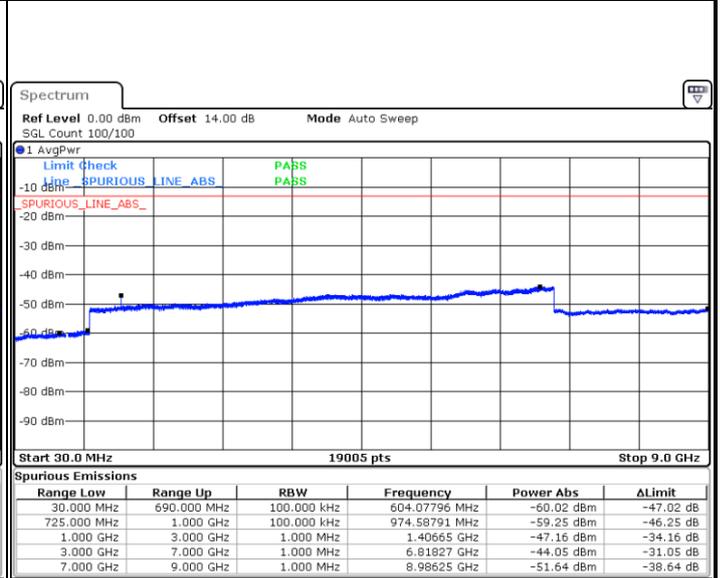
LTE Band 12 / 10MHz

Middle Channel / QPSK



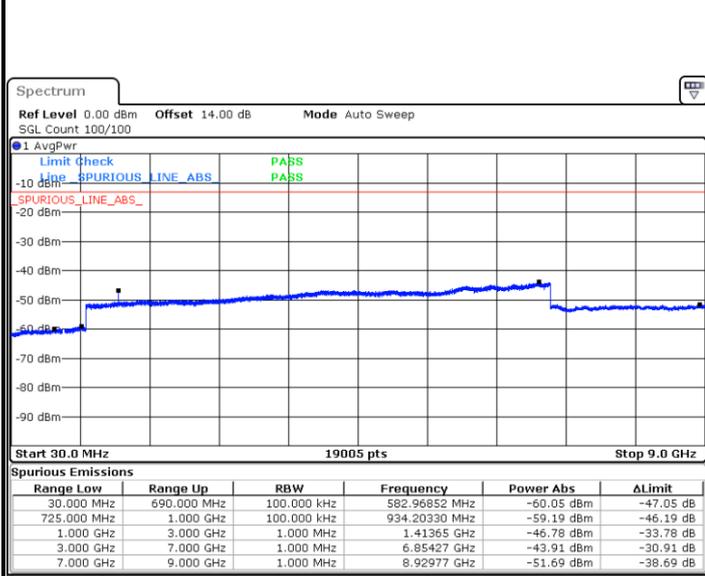
Date: 25 SEP. 2021 10:35:12

Middle Channel / 16QAM



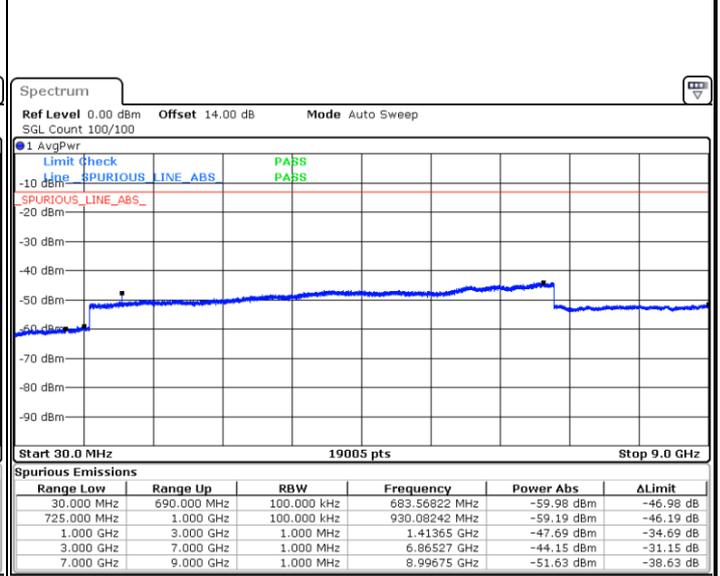
Date: 25 SEP. 2021 10:34:43

Highest Channel / QPSK



Date: 25 SEP. 2021 10:41:41

Highest Channel / 16QAM



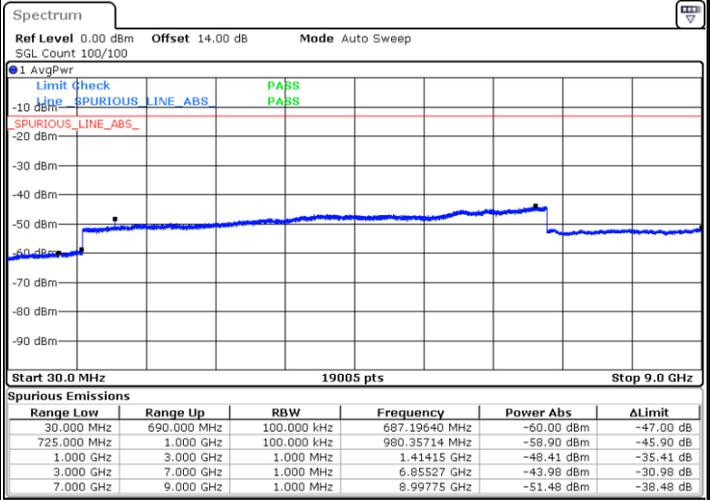
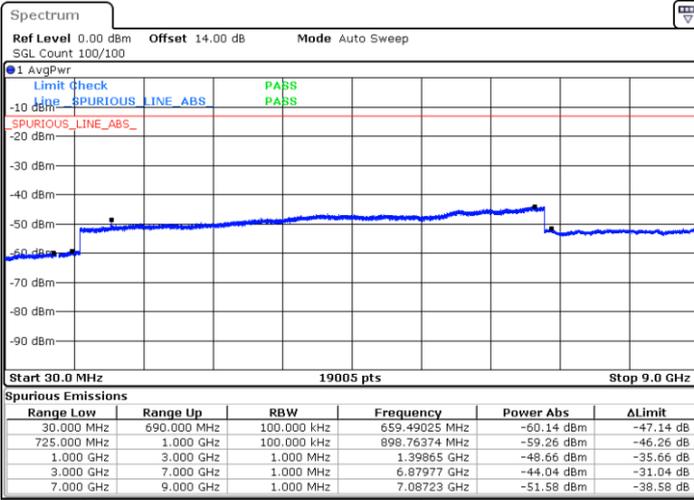
Date: 25 SEP. 2021 10:42:10



LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM

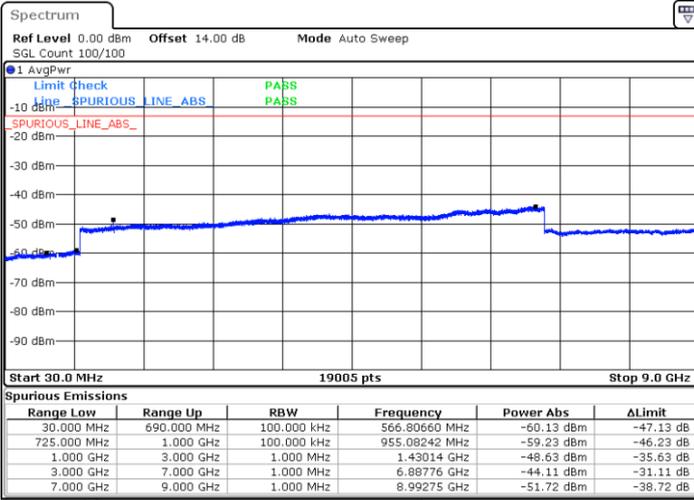
Middle Channel / 64QAM



Date: 25 SEP. 2021 11:29:11

Date: 25 SEP. 2021 11:30:02

Highest Channel / 64QAM



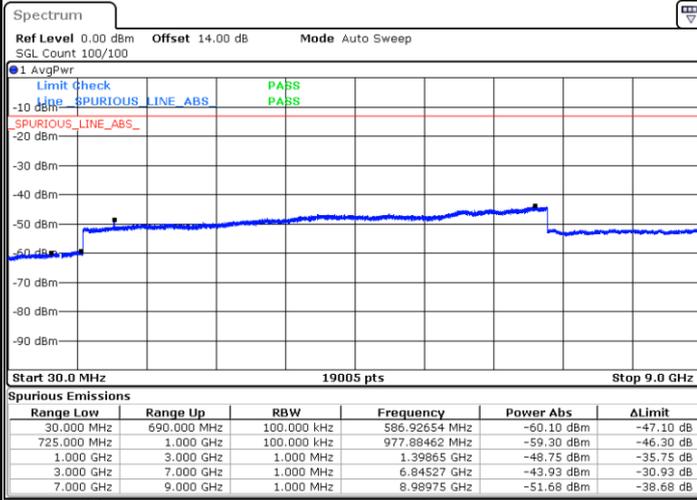
Date: 25 SEP. 2021 11:33:31



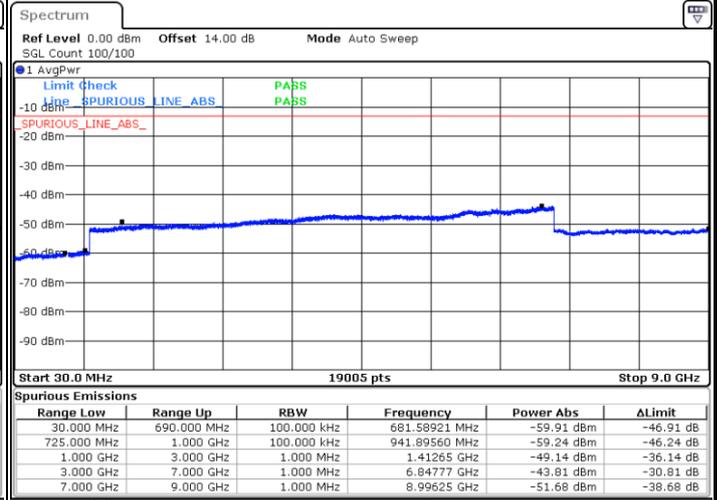
LTE Band 12 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

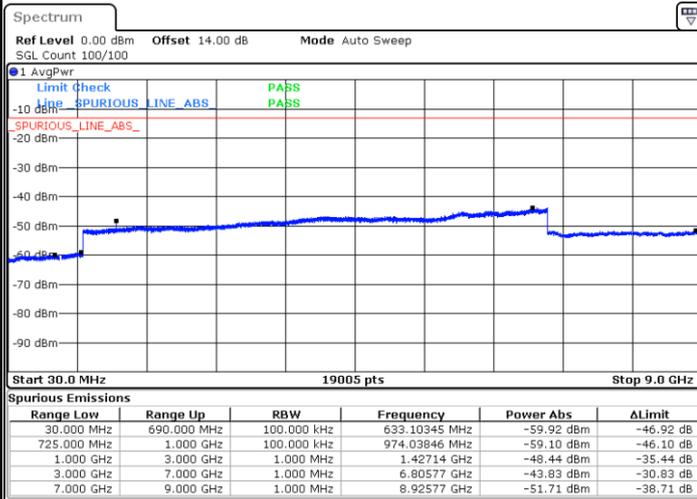


Date: 25 SEP 2021 11:05:45



Date: 25 SEP 2021 11:06:36

Highest Channel / 64QAM



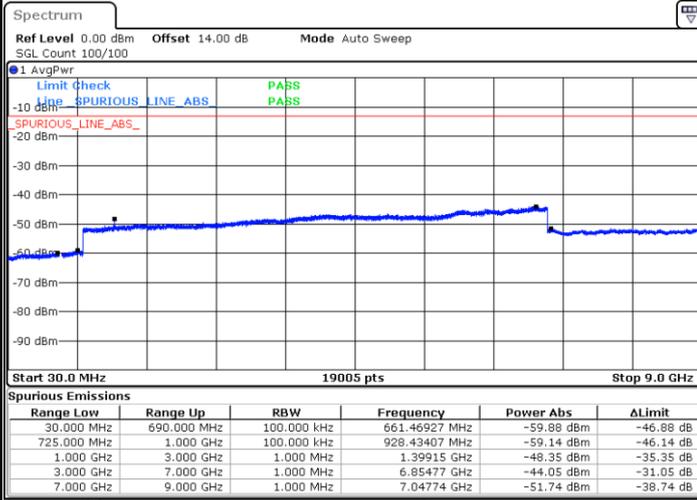
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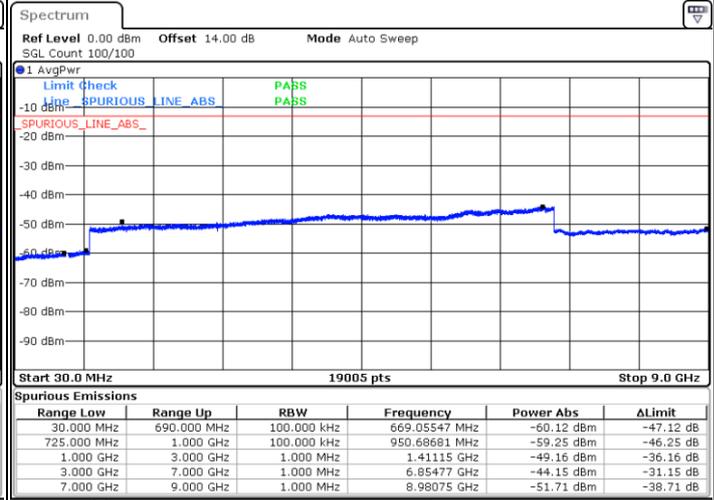
LTE Band 12 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

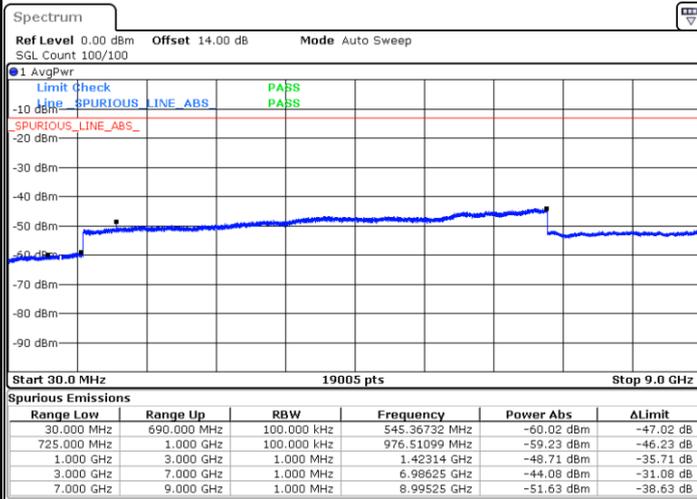


Date: 25 SEP 2021 11:13:34



Date: 25 SEP 2021 11:14:25

Highest Channel / 64QAM



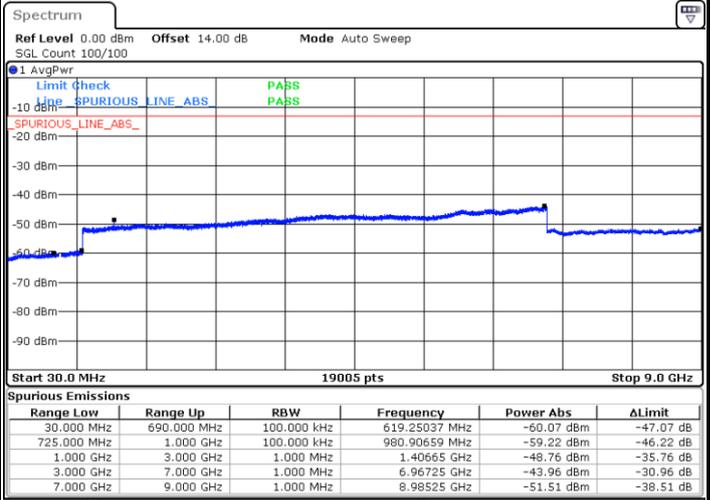
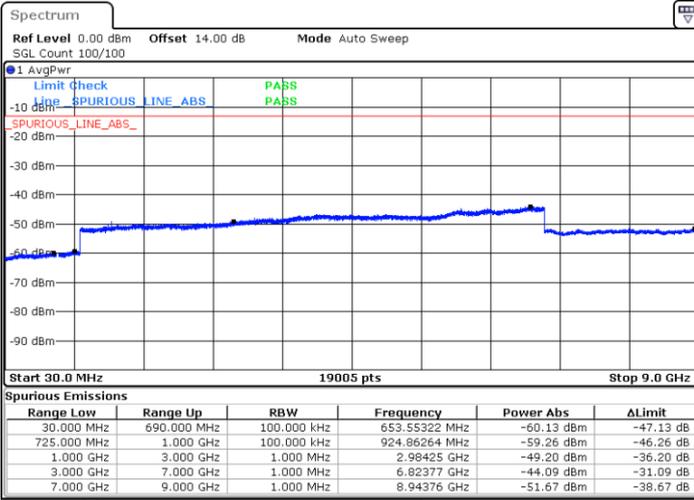
Date: 25 SEP 2021 11:17:54



LTE Band 12 / 10MHz

Lowest Channel / 64QAM

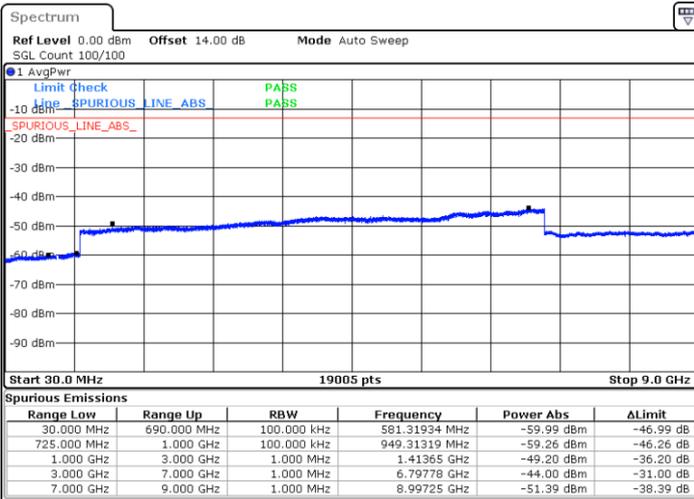
Middle Channel / 64QAM



Date: 25 SEP. 2021 11:21:23

Date: 25 SEP. 2021 11:22:14

Highest Channel / 64QAM



Date: 25 SEP. 2021 11:25:42



### Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0008	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0030	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0034	
-30	Normal Voltage	0.0033	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

**Note:**

1. Normal Voltage =7.74 V. ; Battery End Point (BEP) =6.9 V. ; Maximum Voltage =8.9 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 13

## Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	4.49	5.39	5.30	6.32	
Highest CH	-	-	-	-	
Mode	LTE Band 13 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	6.20	6.61	-	-	
Highest CH	-	-	-	-	