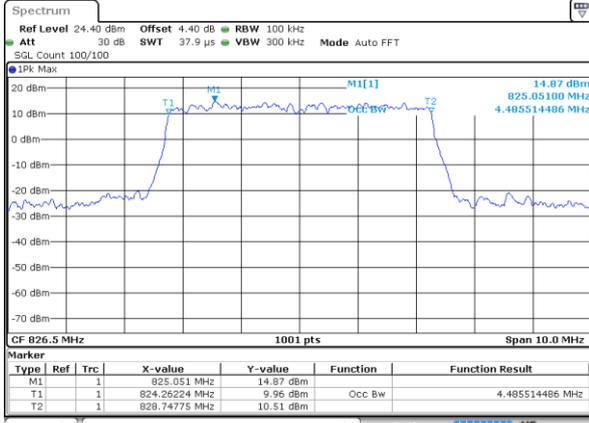




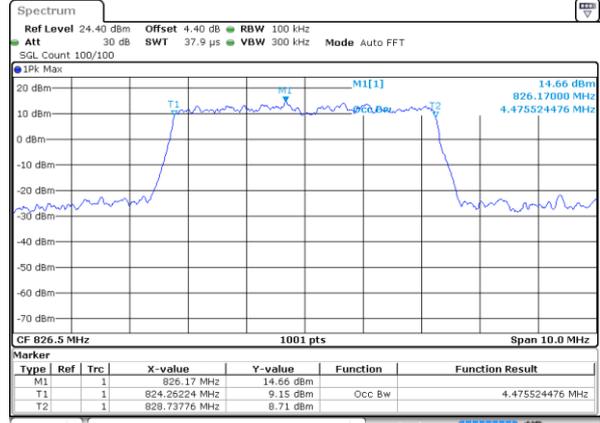
LTE Band 5

Lowest Channel / 5MHz / QPSK



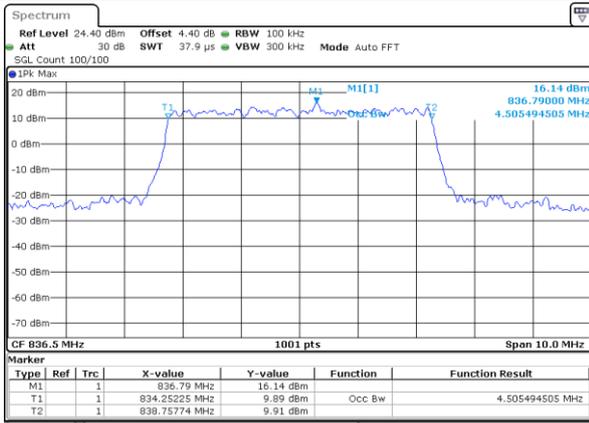
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Lowest Channel / 5MHz / 16QAM



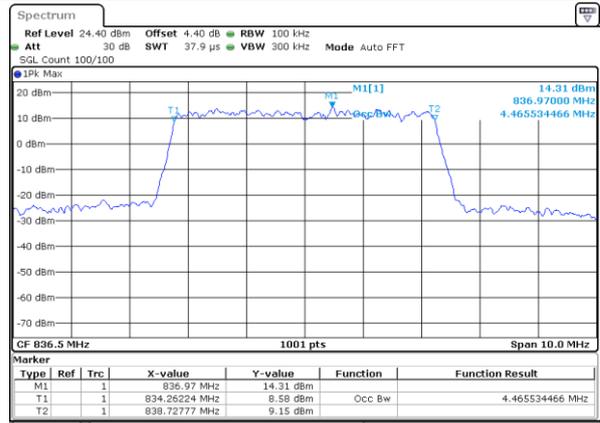
Date: 4 MAY 2020 13:21:43

Middle Channel / 5MHz / QPSK



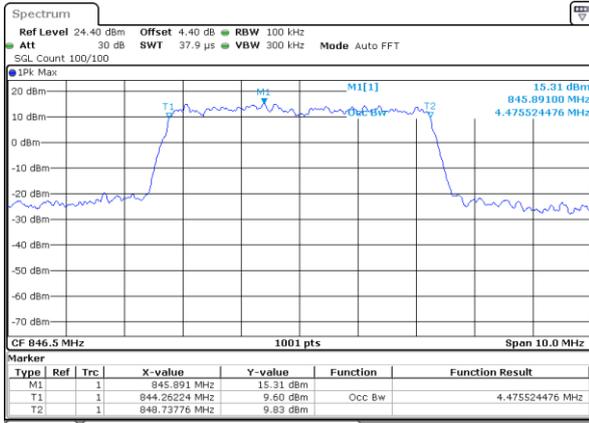
Date: 4 MAY 2020 13:28:45

Middle Channel / 5MHz / 16QAM



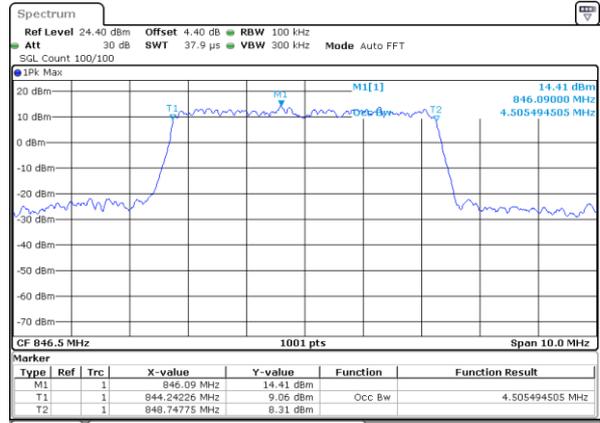
Date: 4 MAY 2020 13:29:05

Highest Channel / 5MHz / QPSK



Date: 4 MAY 2020 13:31:12

Highest Channel / 5MHz / 16QAM

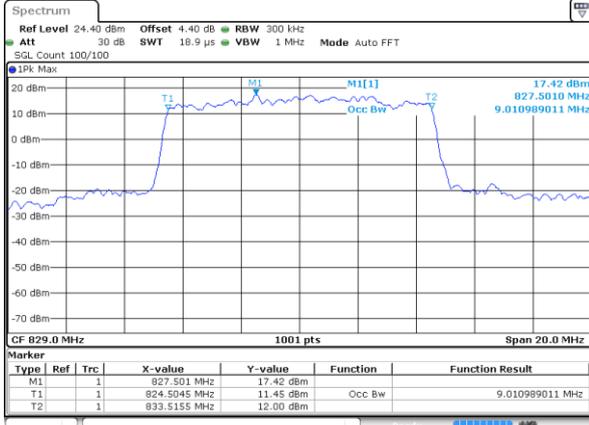


Date: 4 MAY 2020 13:33:11



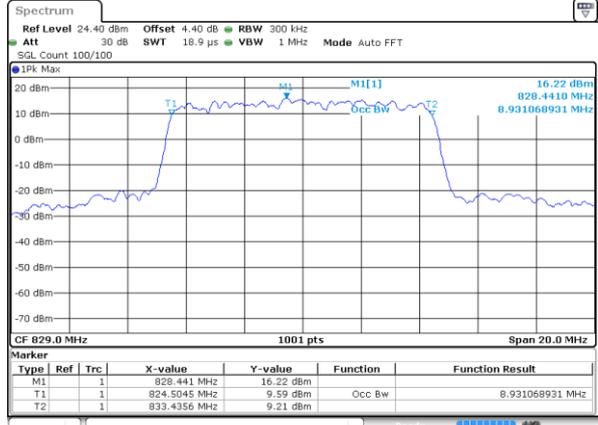
LTE Band 5

Lowest Channel / 10MHz / QPSK



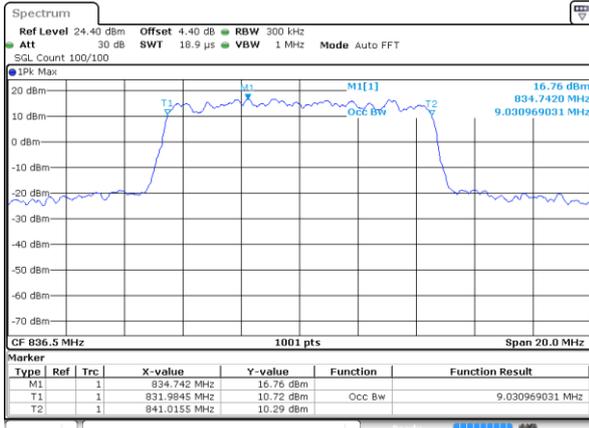
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Lowest Channel / 10MHz / 16QAM



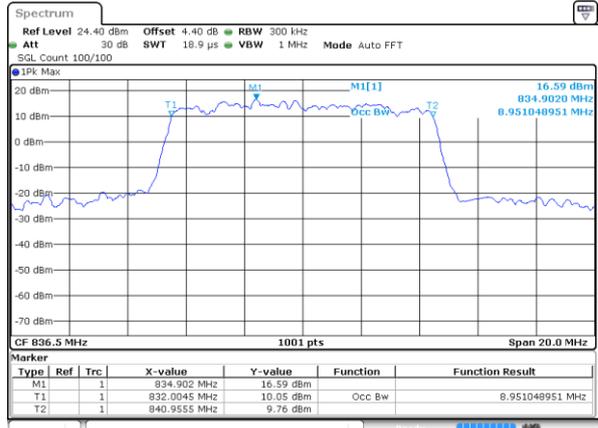
Date: 4 MAY 2020 12:30:51

Middle Channel / 10MHz / QPSK



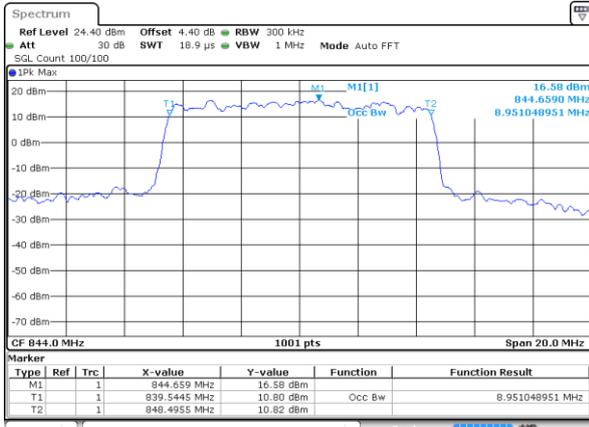
Date: 4 MAY 2020 12:39:42

Middle Channel / 10MHz / 16QAM



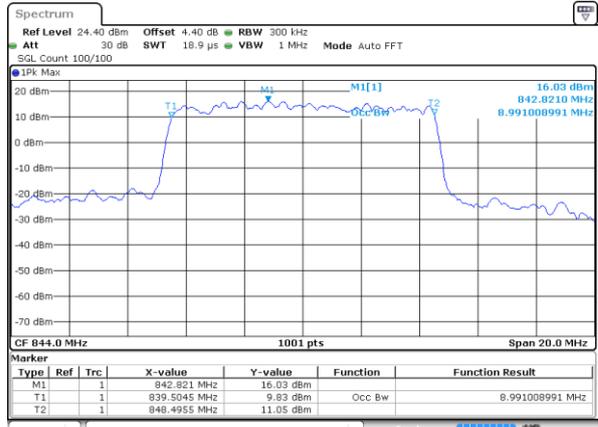
Date: 4 MAY 2020 12:39:52

Highest Channel / 10MHz / QPSK



Date: 4 MAY 2020 12:42:09

Highest Channel / 10MHz / 16QAM

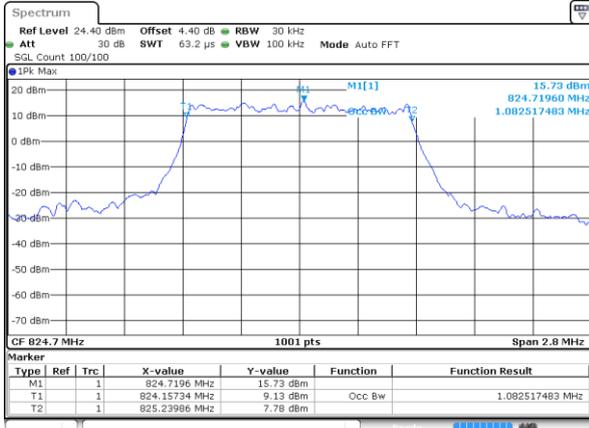


Date: 4 MAY 2020 12:42:19



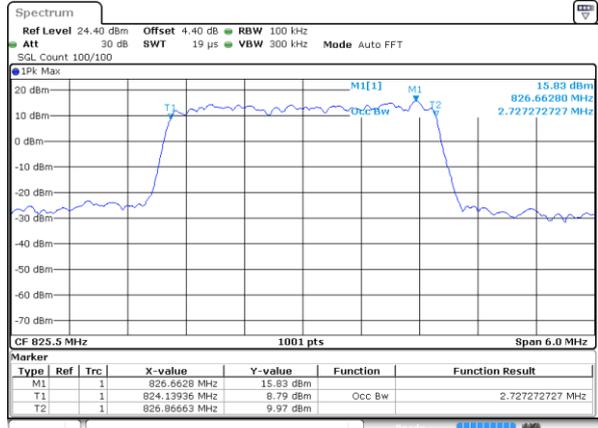
LTE Band 5

Lowest Channel / 1.4MHz / 64QAM



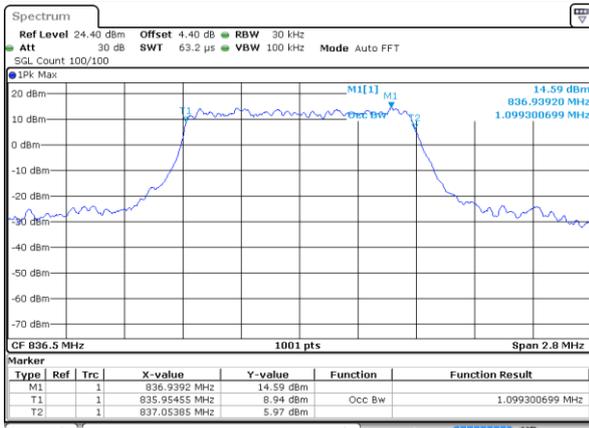
Date: 4 MAY 2020 14:00:04

Lowest Channel / 3MHz / 64QAM



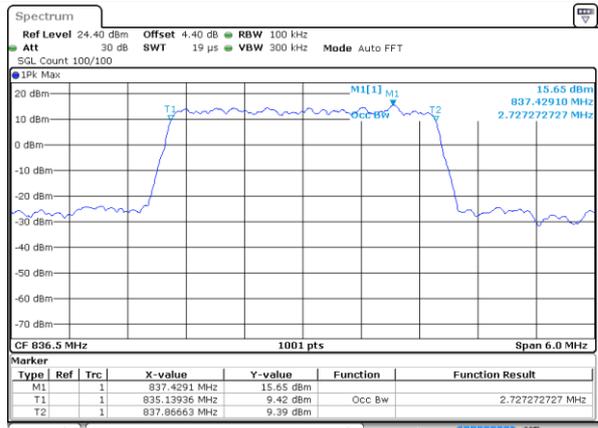
Date: 4 MAY 2020 14:38:34

Middle Channel / 1.4MHz / 64QAM



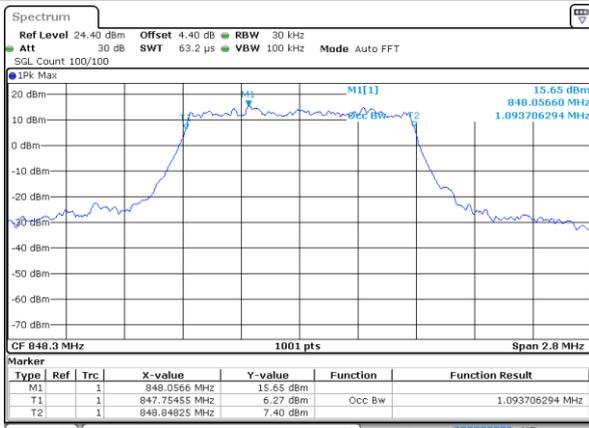
Date: 4 MAY 2020 14:05:27

Middle Channel / 3MHz / 64QAM



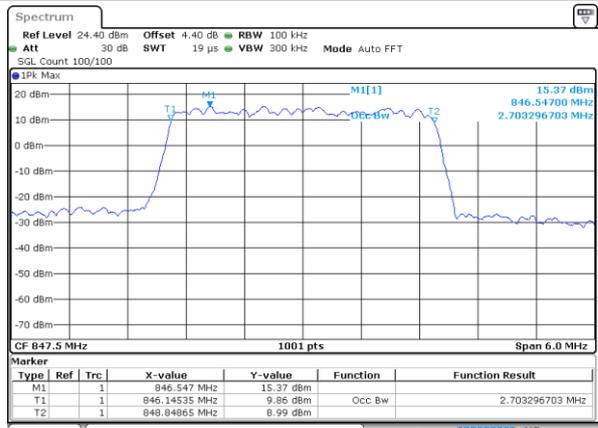
Date: 4 MAY 2020 14:43:58

Highest Channel / 1.4MHz / 64QAM



Date: 4 MAY 2020 14:05:47

Highest Channel / 3MHz / 64QAM

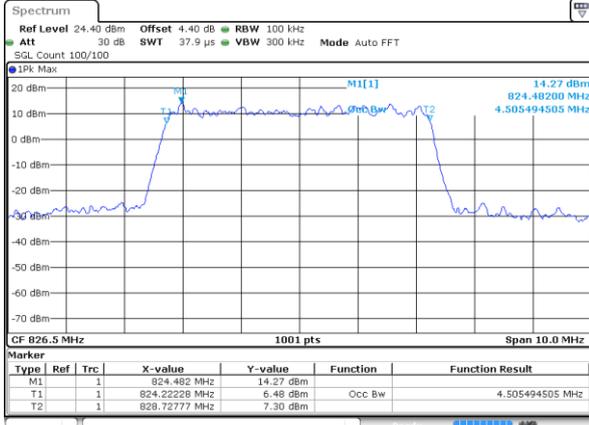


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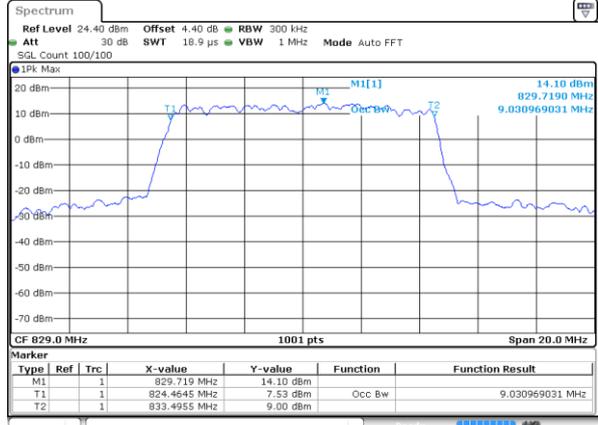
LTE Band 5

Lowest Channel / 5MHz / 64QAM



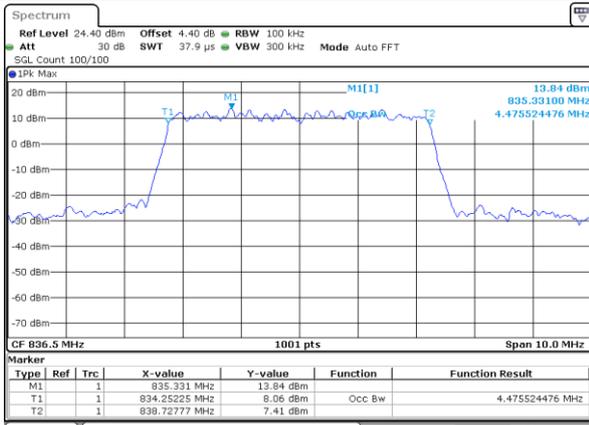
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Lowest Channel / 10MHz / 64QAM



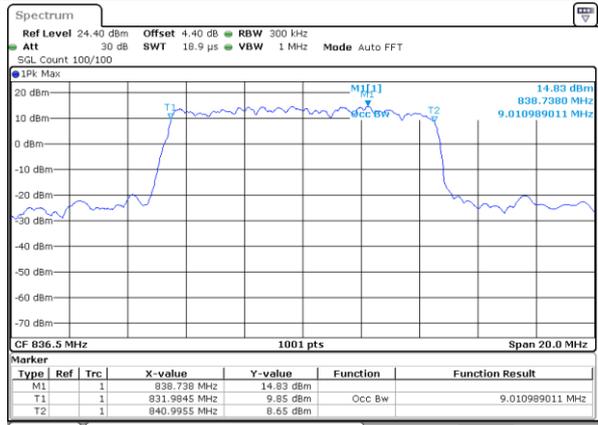
Date: 4 MAY 2020 14:59:03

Middle Channel / 5MHz / 64QAM



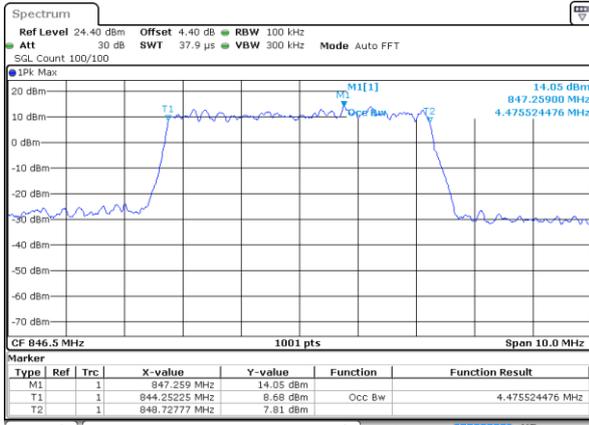
Date: 4 MAY 2020 14:54:12

Middle Channel / 10MHz / 64QAM



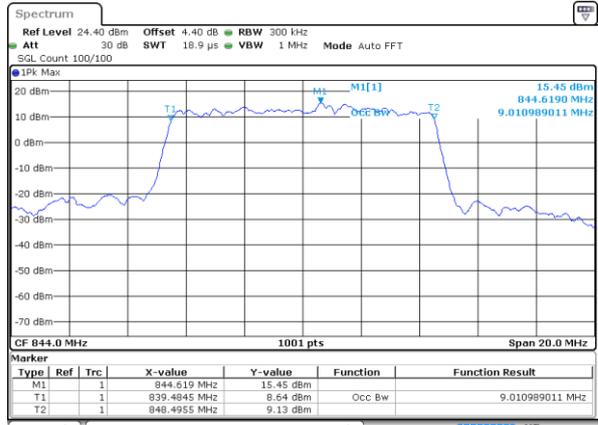
Date: 4 MAY 2020 15:04:27

Highest Channel / 5MHz / 64QAM



Date: 4 MAY 2020 14:54:32

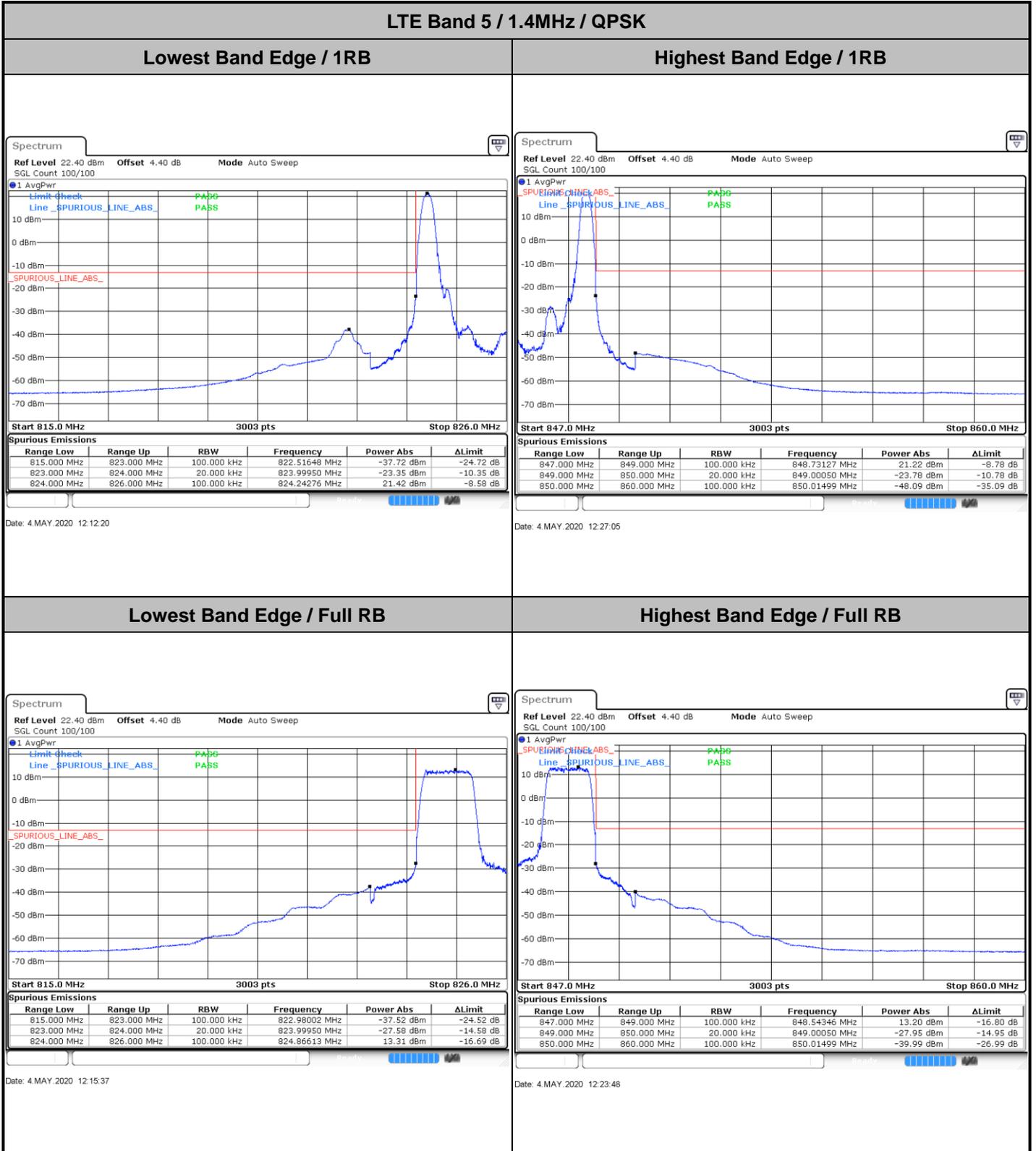
Highest Channel / 10MHz / 64QAM



Date: 4 MAY 2020 15:04:47



Conducted Band Edge





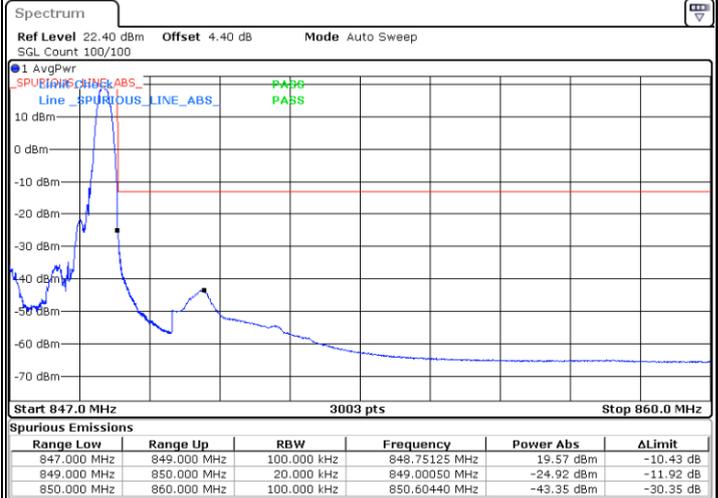
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 4 MAY 2020 12:13:58

Highest Band Edge / 1 RB



Date: 4 MAY 2020 12:28:43

Lowest Band Edge / Full RB



Date: 4 MAY 2020 12:17:16

Highest Band Edge / Full RB



Date: 4 MAY 2020 12:25:26



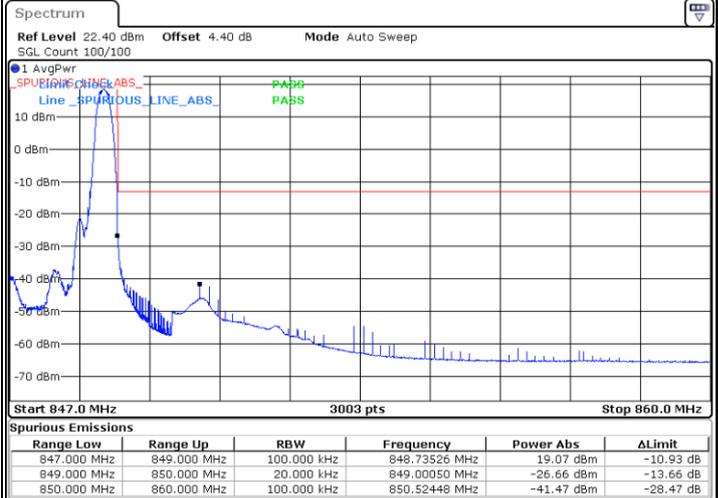
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 4 MAY 2020 14:03:30

Highest Band Edge / 1 RB



Date: 4 MAY 2020 15:36:56

Lowest Band Edge / Full RB



Date: 4 MAY 2020 14:01:52

Highest Band Edge / Full RB

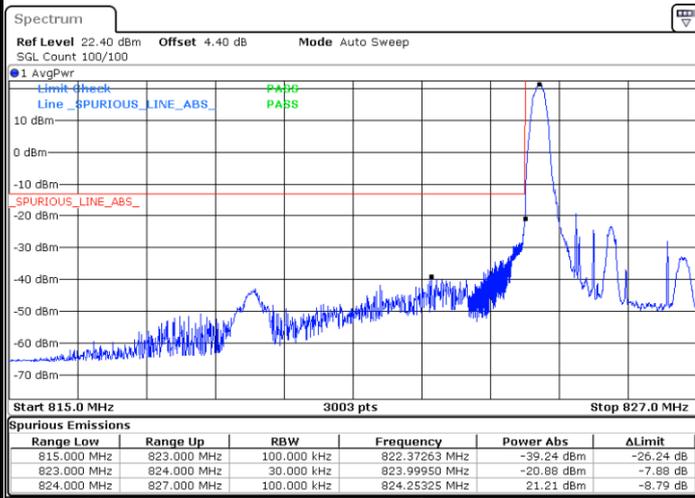


Date: 4 MAY 2020 14:07:36



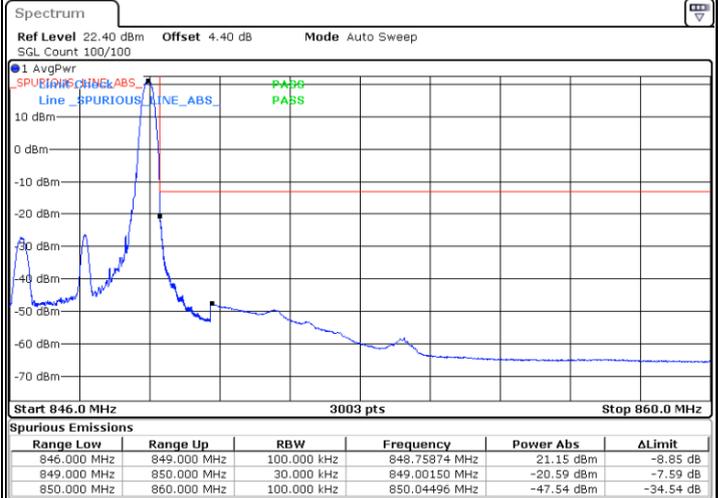
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



Date: 4 MAY 2020 13:07:39

Highest Band Edge / 1 RB



Date: 4 MAY 2020 13:12:52

Lowest Band Edge / Full RB



Date: 4 MAY 2020 13:17:56

Highest Band Edge / Full RB

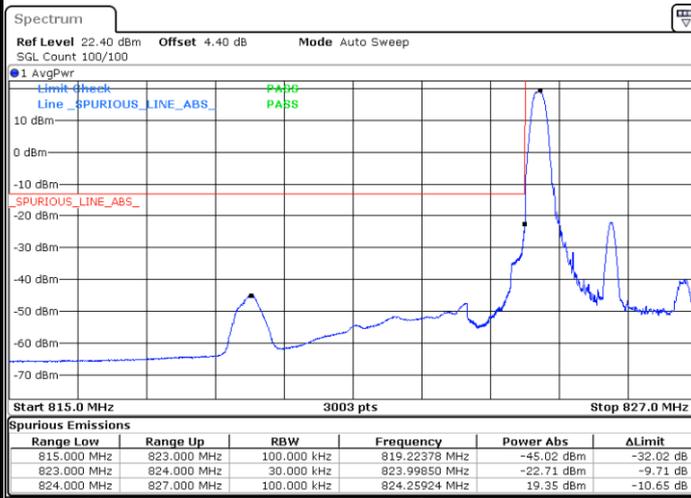


Date: 4 MAY 2020 15:19:44



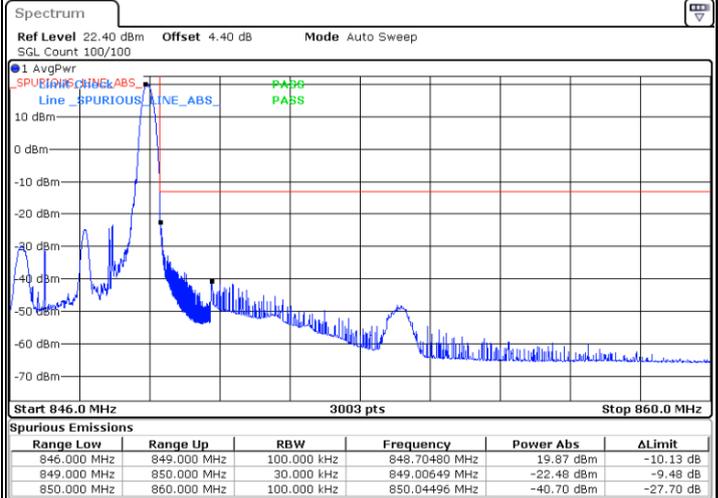
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 4 MAY 2020 13:06:01

Highest Band Edge / 1 RB



Date: 4 MAY 2020 13:14:30

Lowest Band Edge / Full RB



Date: 4 MAY 2020 13:19:34

Highest Band Edge / Full RB

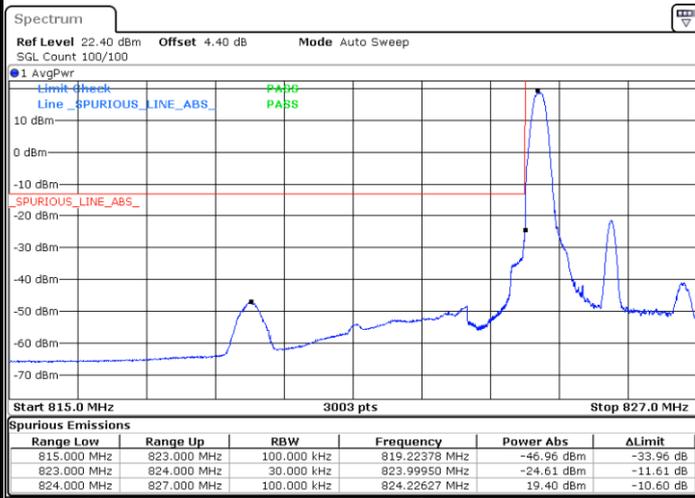


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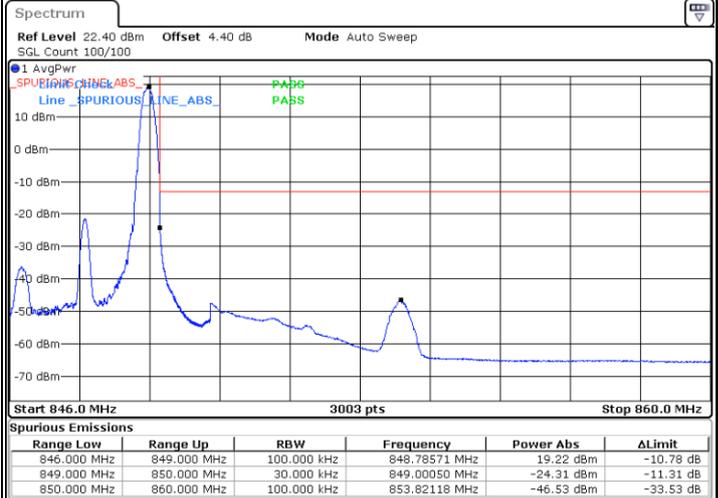
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 4 MAY 2020 14:42:01

Highest Band Edge / 1 RB



Date: 4 MAY 2020 14:47:44

Lowest Band Edge / Full RB



Date: 4 MAY 2020 14:40:22

Highest Band Edge / Full RB

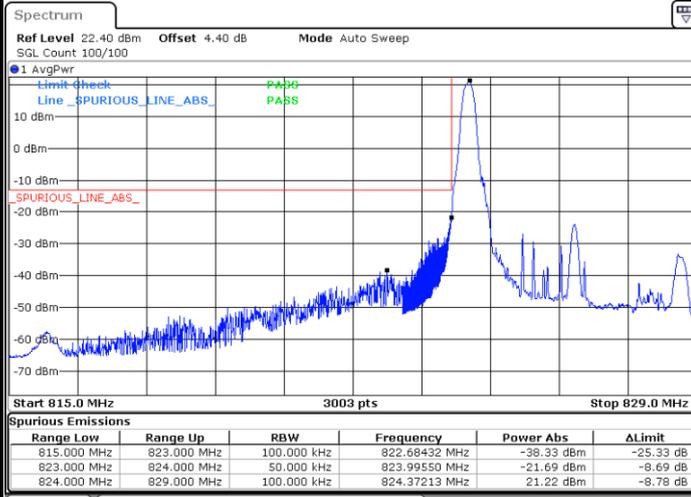


Date: 4 MAY 2020 14:46:06



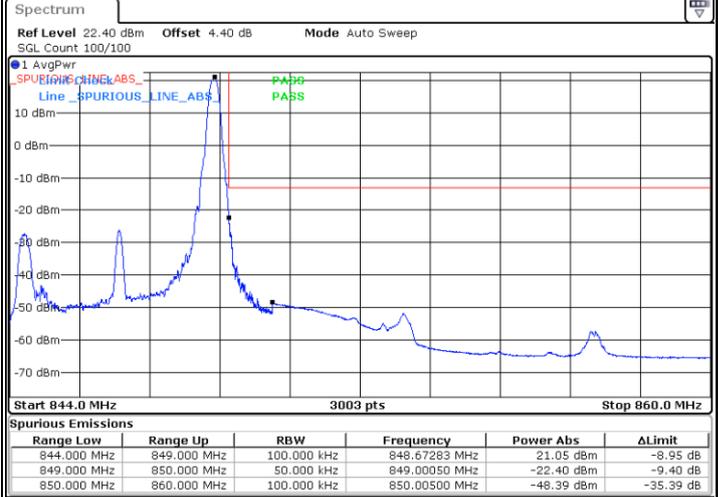
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



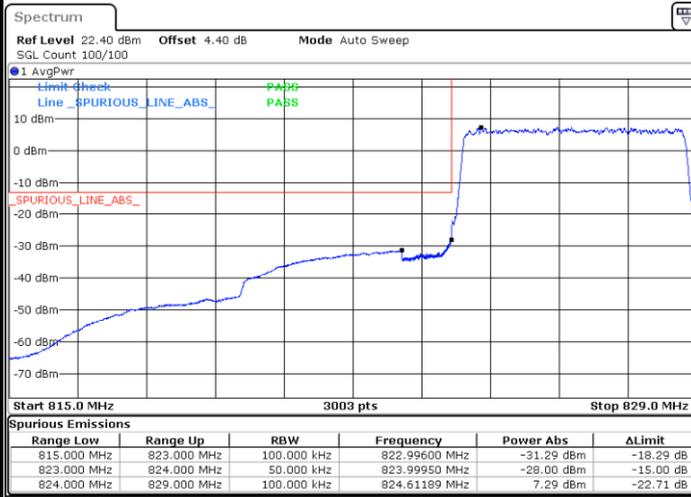
Date: 4 MAY 2020 13:27:42

Highest Band Edge / 1 RB



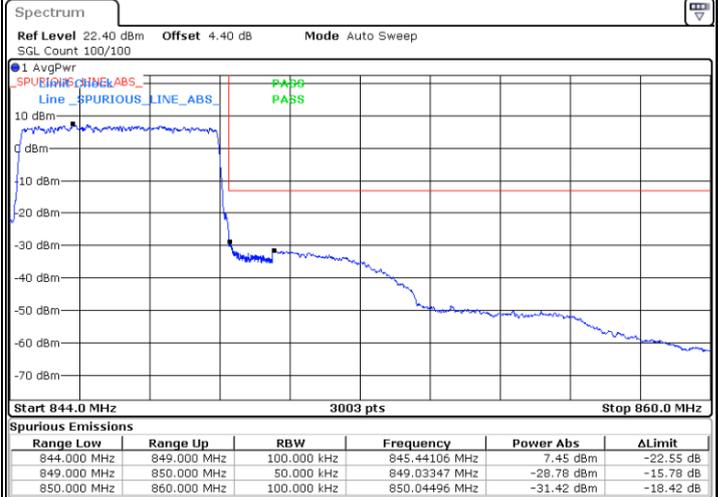
Date: 4 MAY 2020 13:38:16

Lowest Band Edge / Full RB



Date: 4 MAY 2020 13:21:33

Highest Band Edge / Full RB

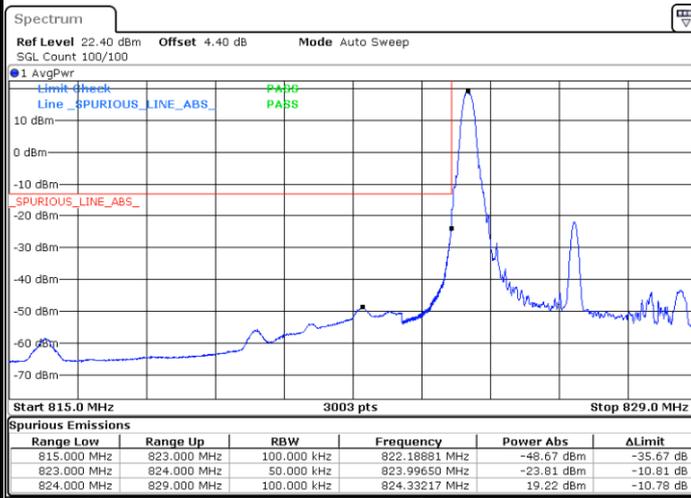


Date: 4 MAY 2020 13:33:00



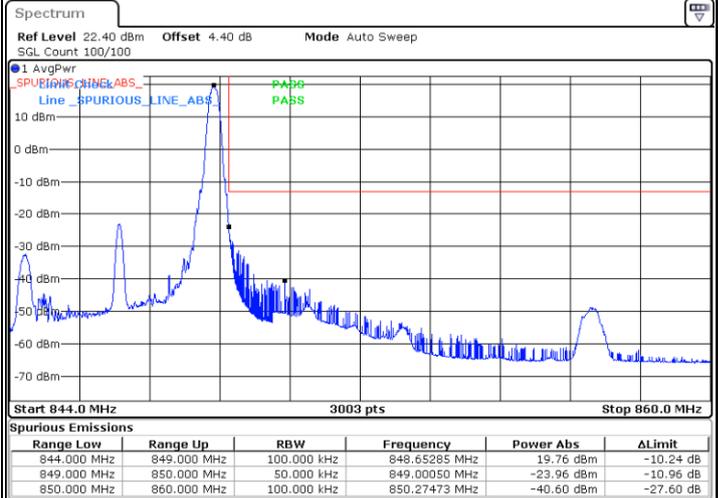
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



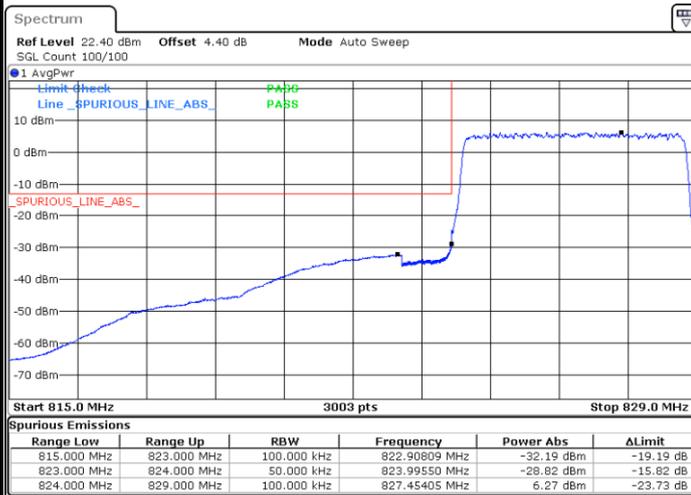
Date: 4 MAY 2020 13:25:10

Highest Band Edge / 1 RB



Date: 4 MAY 2020 13:36:37

Lowest Band Edge / Full RB



Date: 4 MAY 2020 13:23:31

Highest Band Edge / Full RB

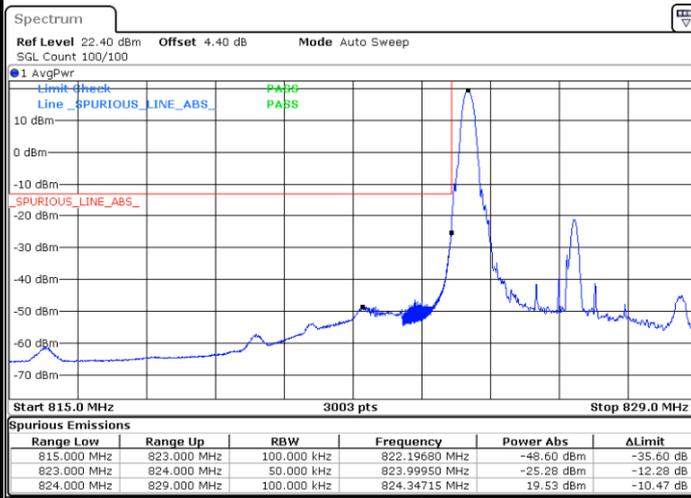


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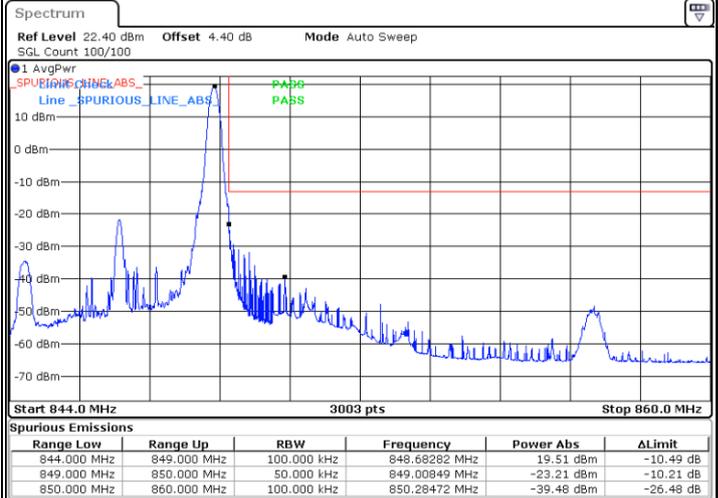
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



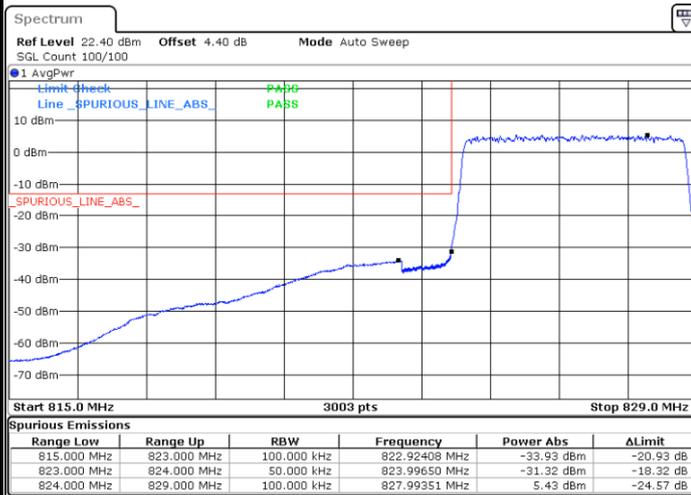
Date: 4 MAY 2020 14:52:15

Highest Band Edge / 1 RB



Date: 4 MAY 2020 14:57:59

Lowest Band Edge / Full RB



Date: 4 MAY 2020 14:50:36

Highest Band Edge / Full RB

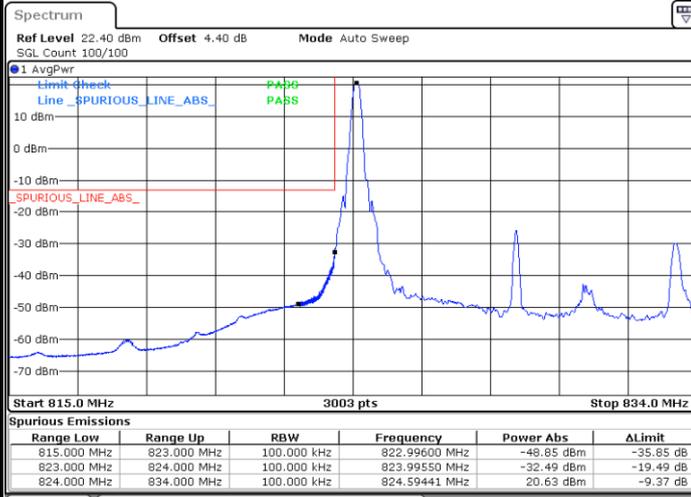


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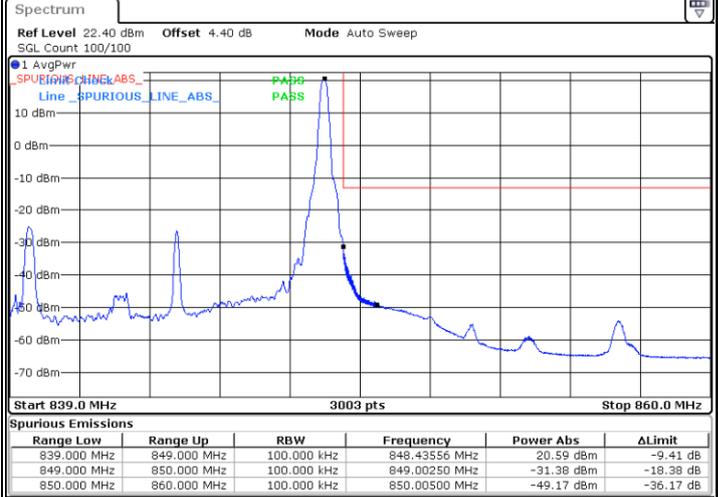
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



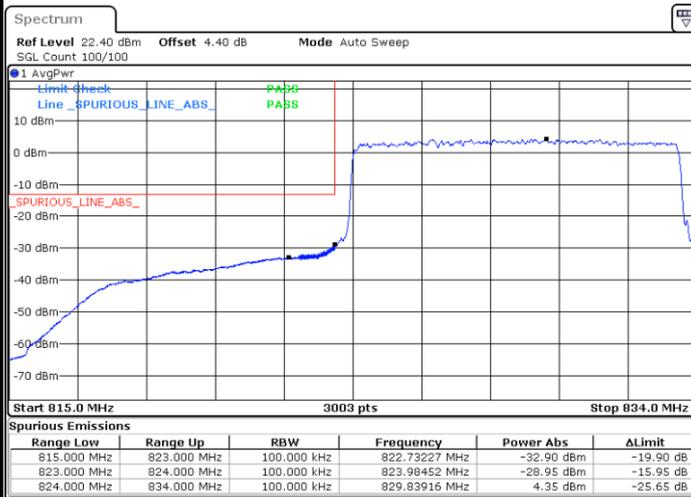
Date: 4 MAY 2020 12:32:49

Highest Band Edge / 1 RB



Date: 4 MAY 2020 12:44:17

Lowest Band Edge / Full RB



Date: 4 MAY 2020 12:36:06

Highest Band Edge / Full RB

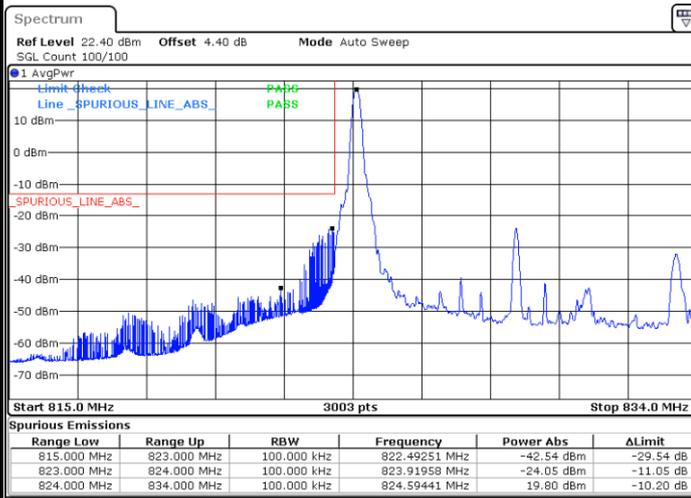


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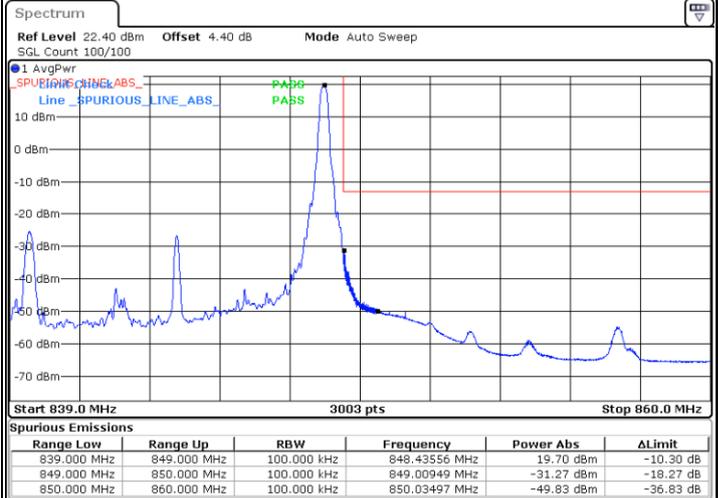
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



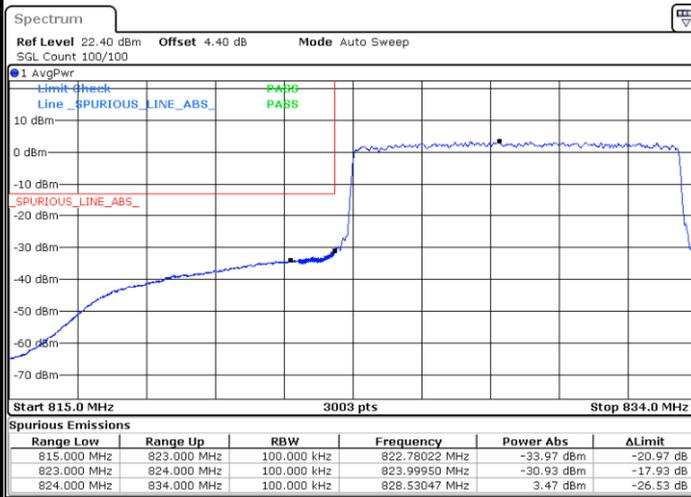
Date: 4 MAY 2020 12:34:27

Highest Band Edge / 1 RB



Date: 4 MAY 2020 12:45:55

Lowest Band Edge / Full RB



Date: 4 MAY 2020 12:37:44

Highest Band Edge / Full RB

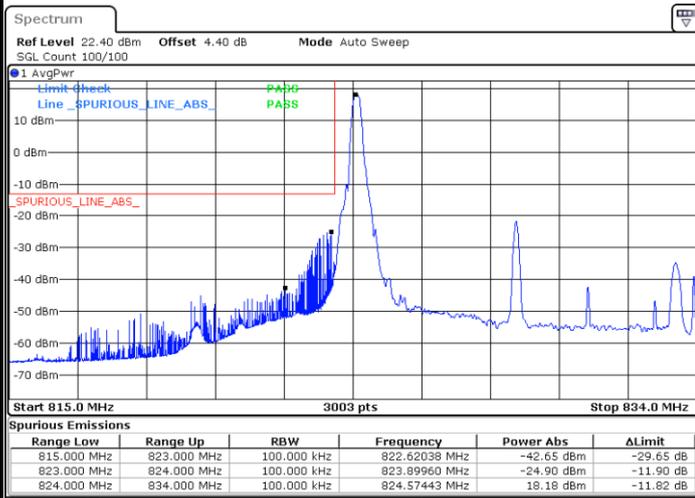


Date: 4 MAY 2020 12:49:12



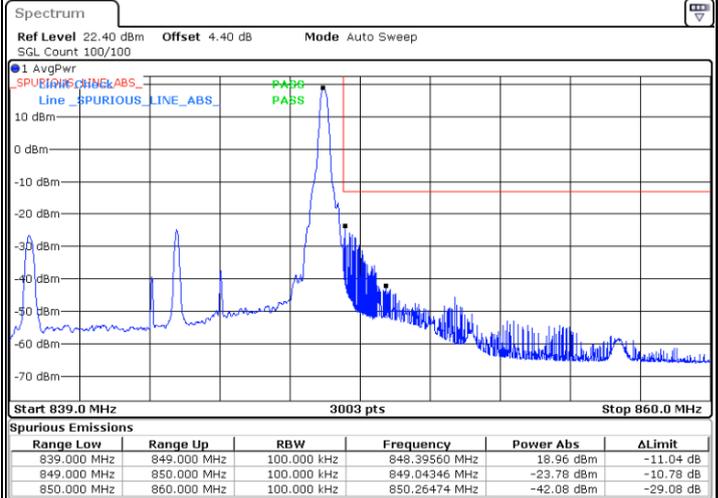
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



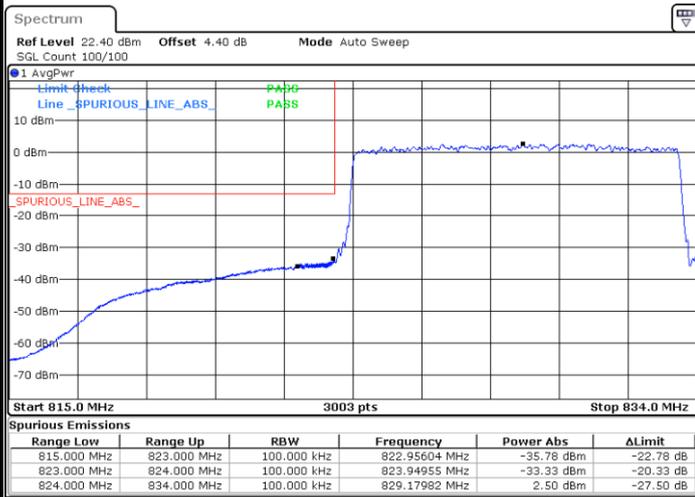
Date: 4 MAY 2020 15:02:30

Highest Band Edge / 1 RB



Date: 4 MAY 2020 15:08:14

Lowest Band Edge / Full RB



Date: 4 MAY 2020 15:00:51

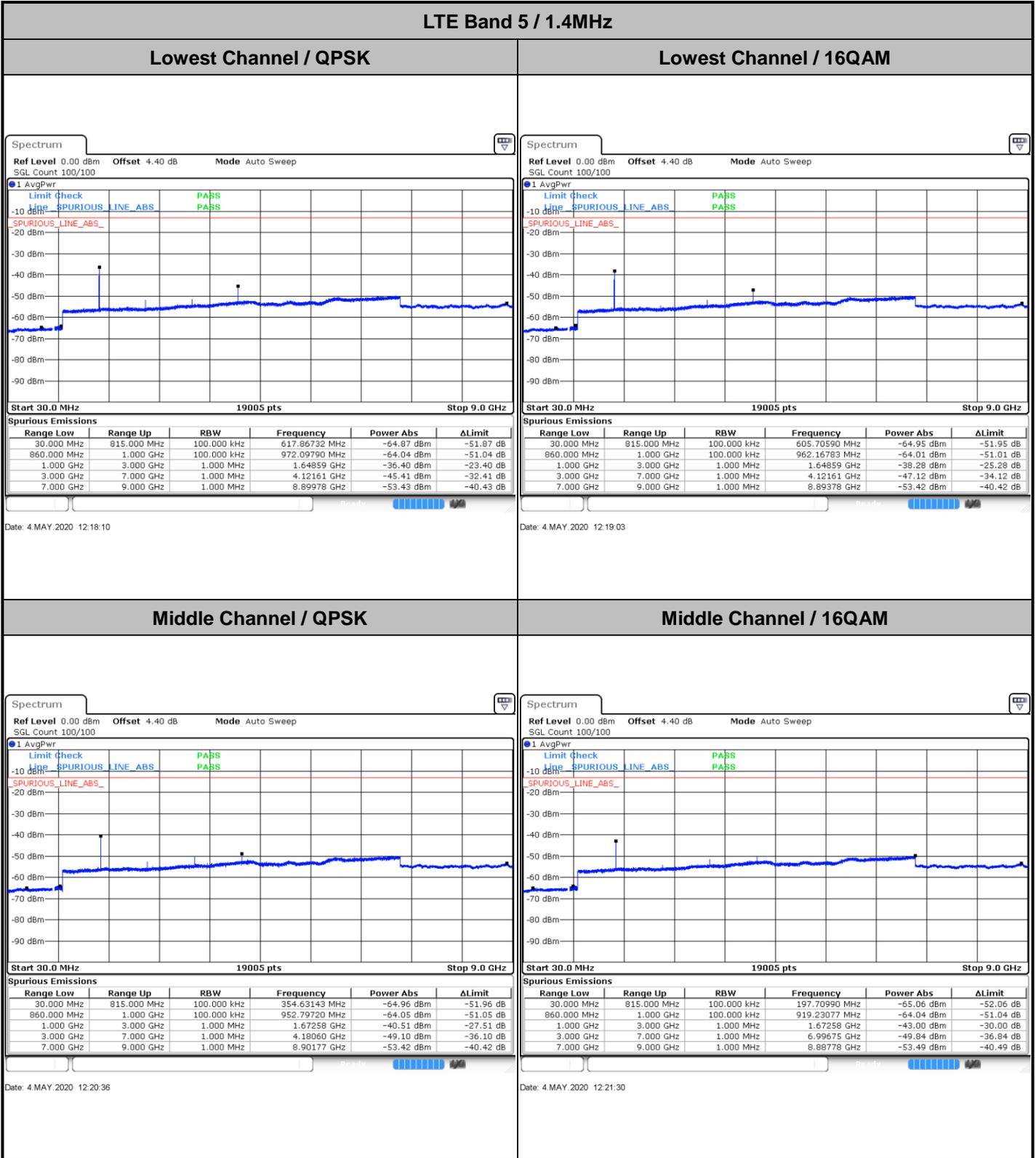
Highest Band Edge / Full RB



Date: 4 MAY 2020 15:06:35



Conducted Spurious Emission

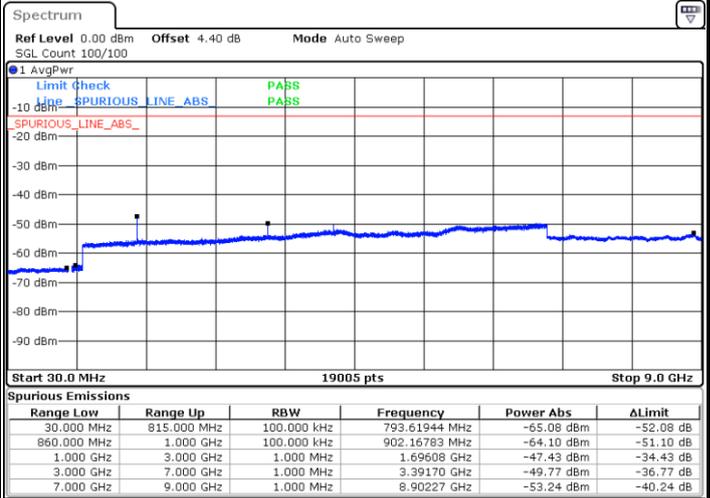
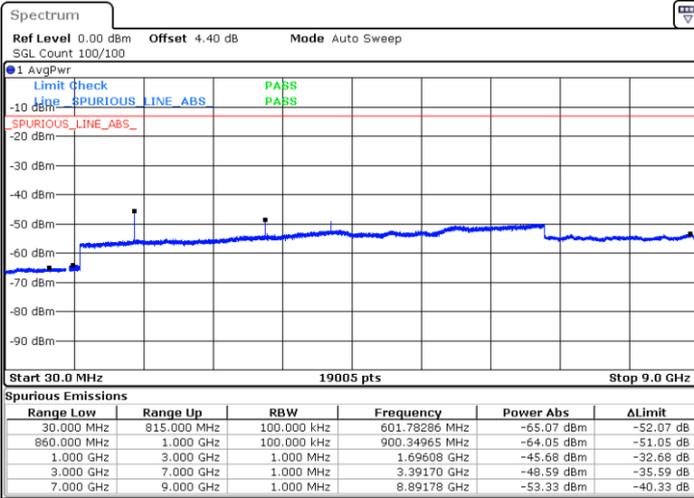




LTE Band 5 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



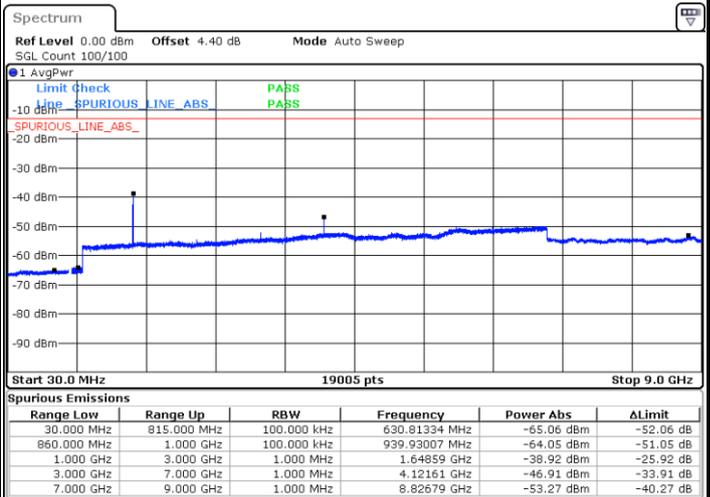
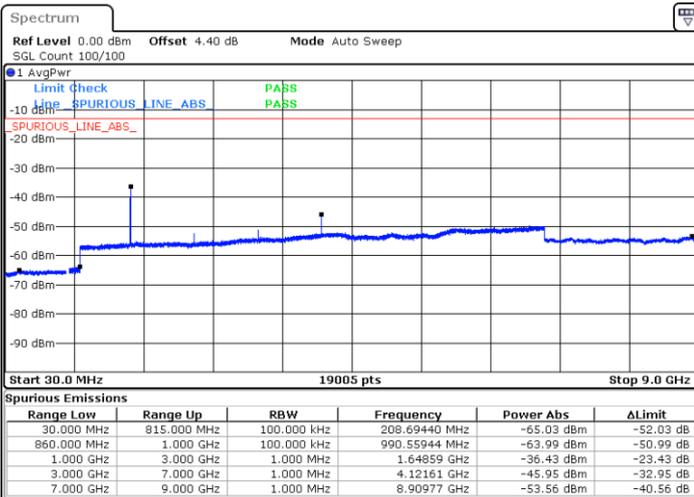
Date: 4 MAY 2020 12:29:37

Date: 4 MAY 2020 12:30:31

LTE Band 5 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 4 MAY 2020 13:08:33

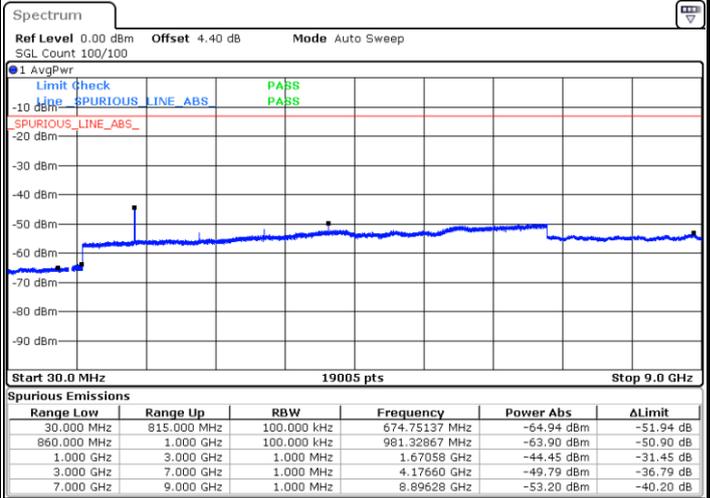
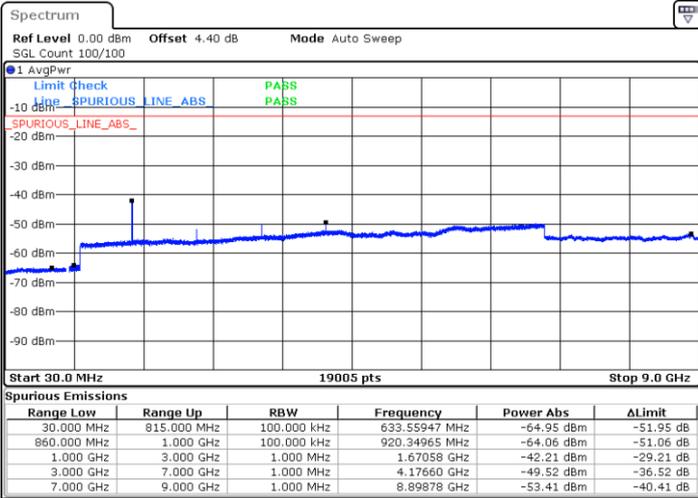
Date: 4 MAY 2020 13:09:27



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

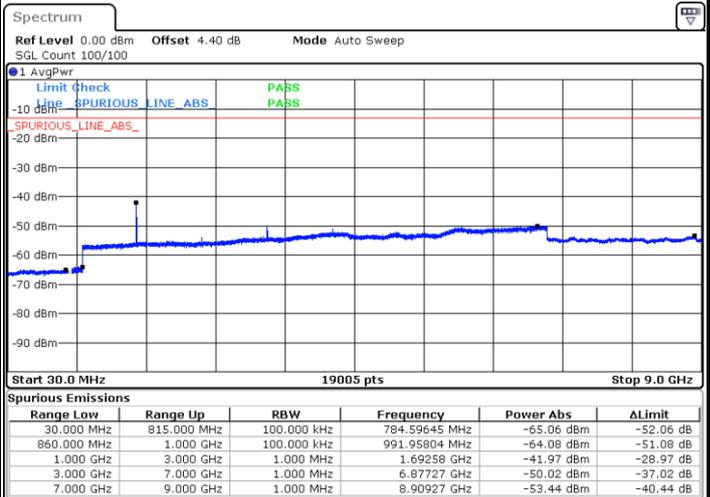
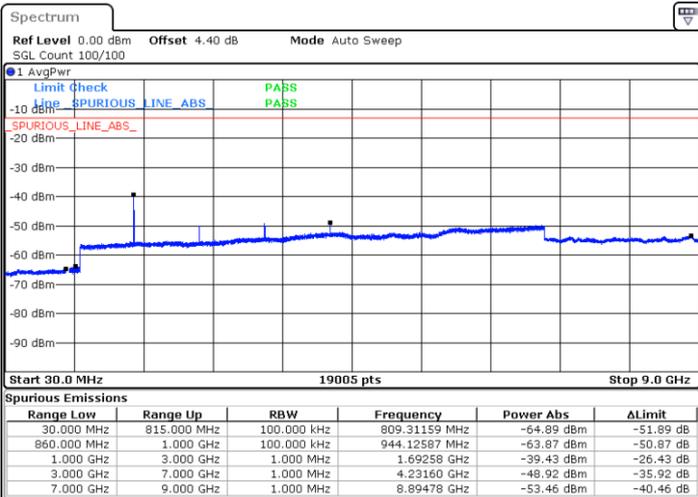


Date: 4 MAY.2020 13:11:14

Date: 4 MAY.2020 13:10:20

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 4 MAY.2020 13:16:18

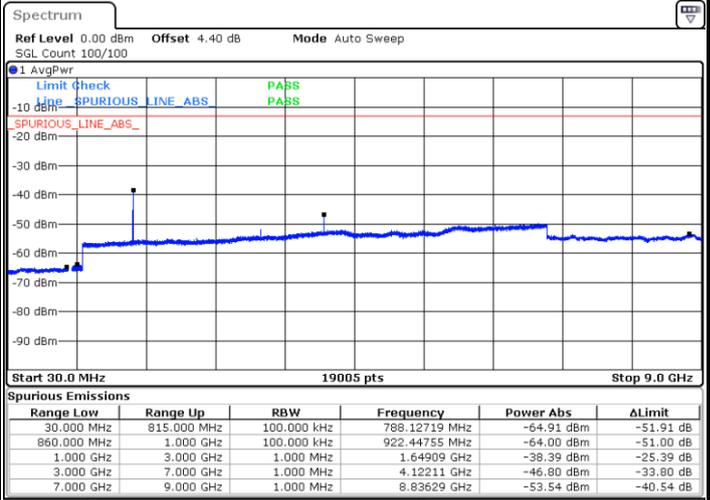
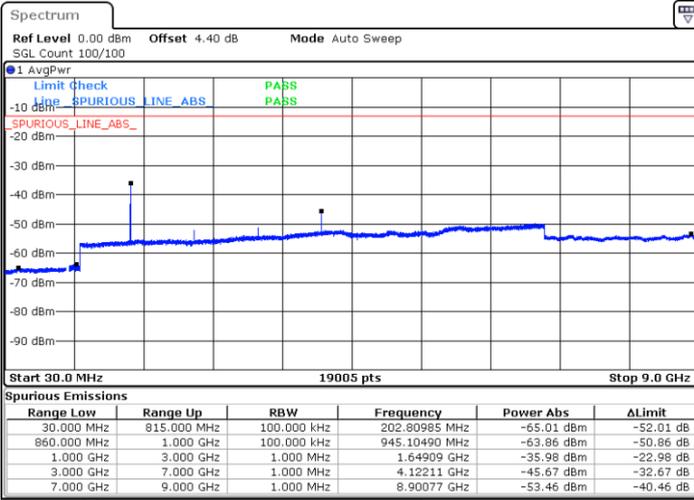
Date: 4 MAY.2020 13:15:24



LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

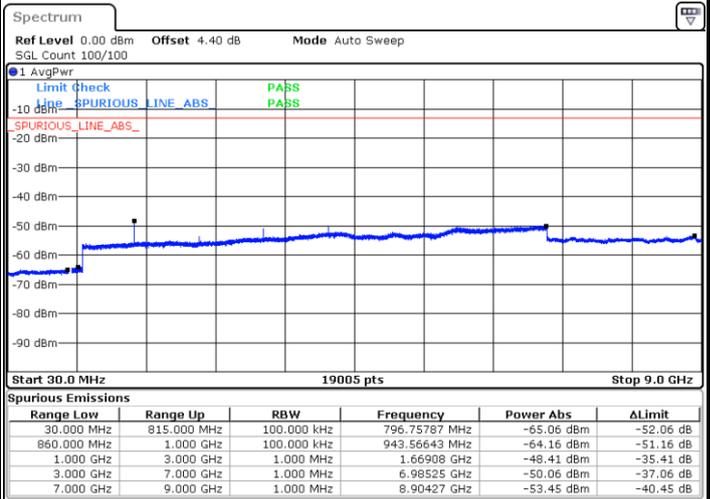
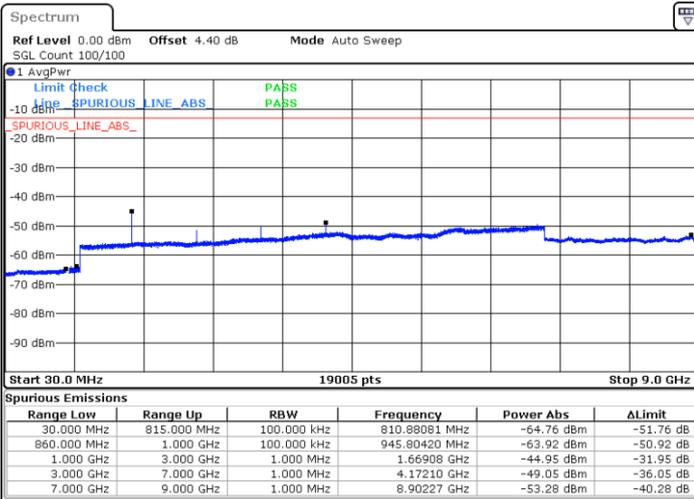


Date: 4 MAY.2020 13:28:36

Date: 4 MAY.2020 13:28:04

Middle Channel / QPSK

Middle Channel / 16QAM



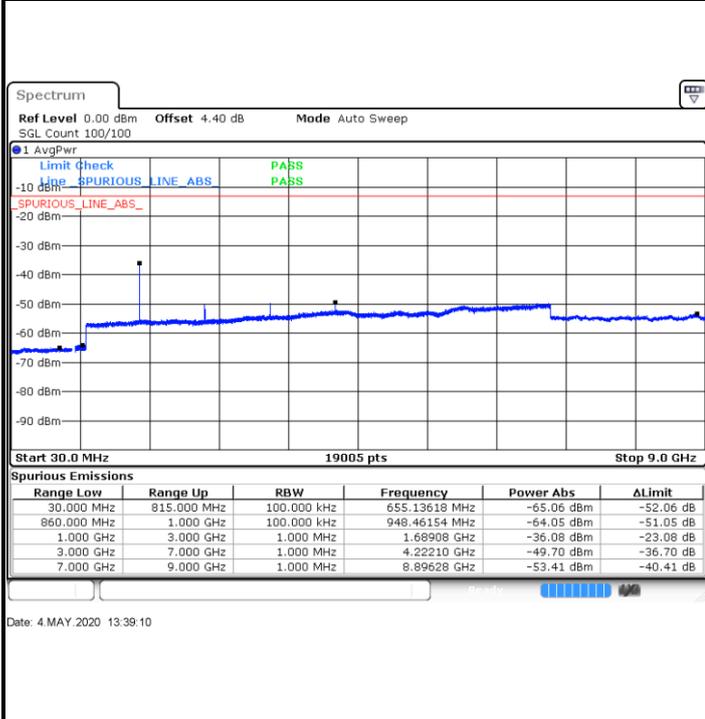
Date: 4 MAY.2020 13:31:02

Date: 4 MAY.2020 13:30:09

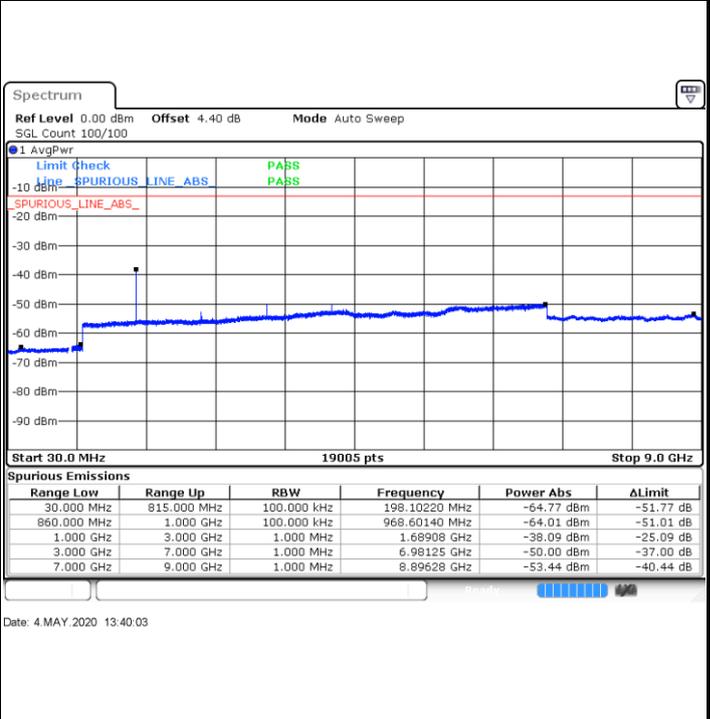


LTE Band 5 / 5MHz

Highest Channel / QPSK

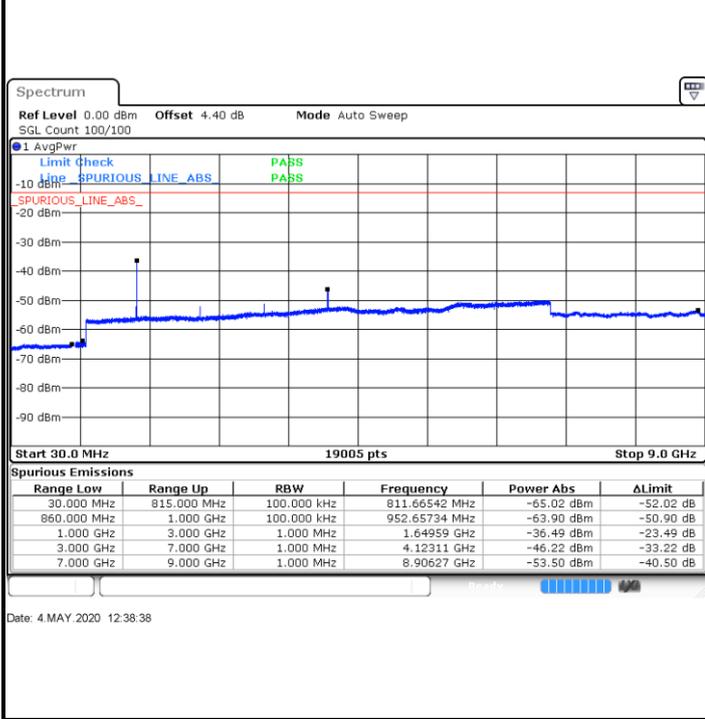


Highest Channel / 16QAM

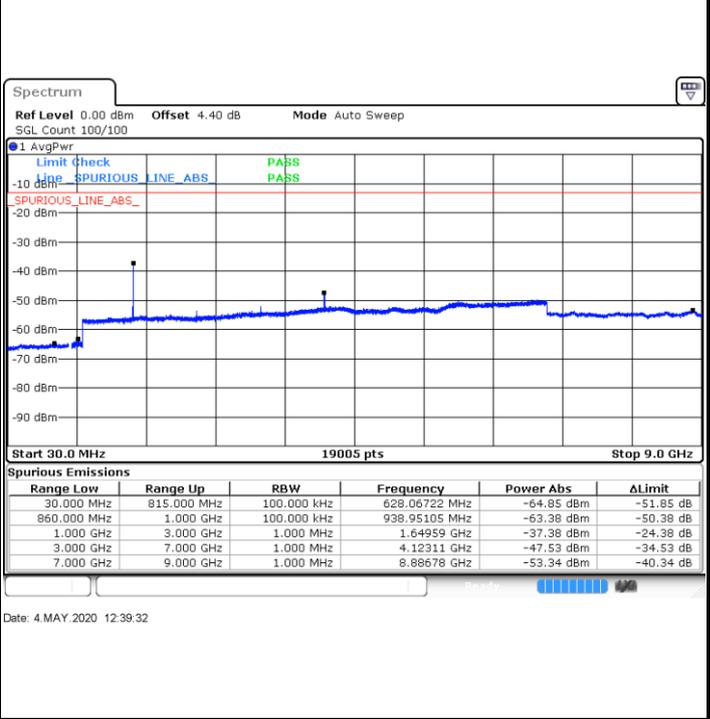


LTE Band 5 / 10MHz

Lowest Channel / QPSK



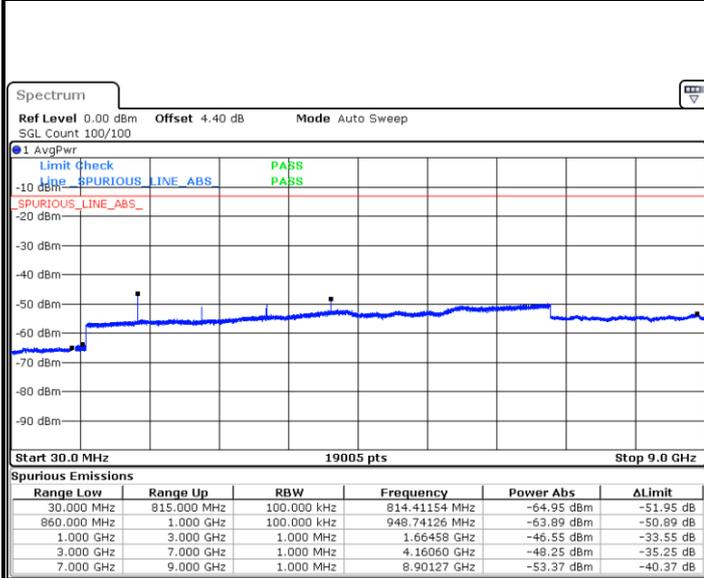
Lowest Channel / 16QAM





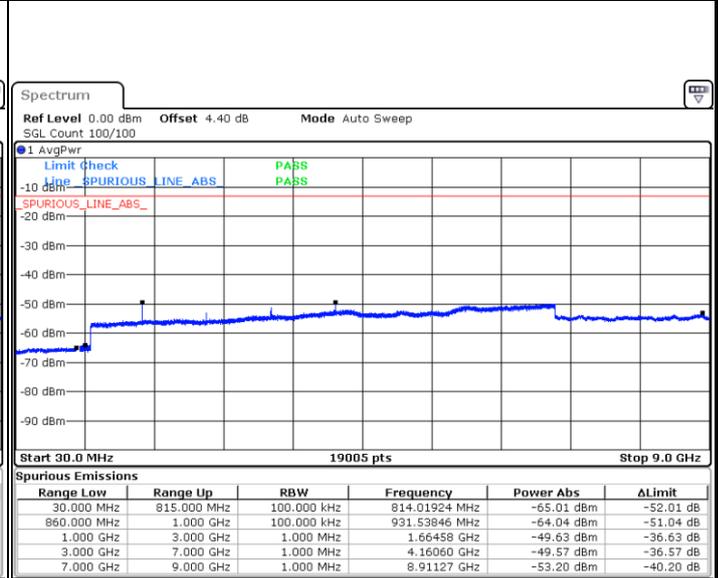
LTE Band 5 / 10MHz

Middle Channel / QPSK



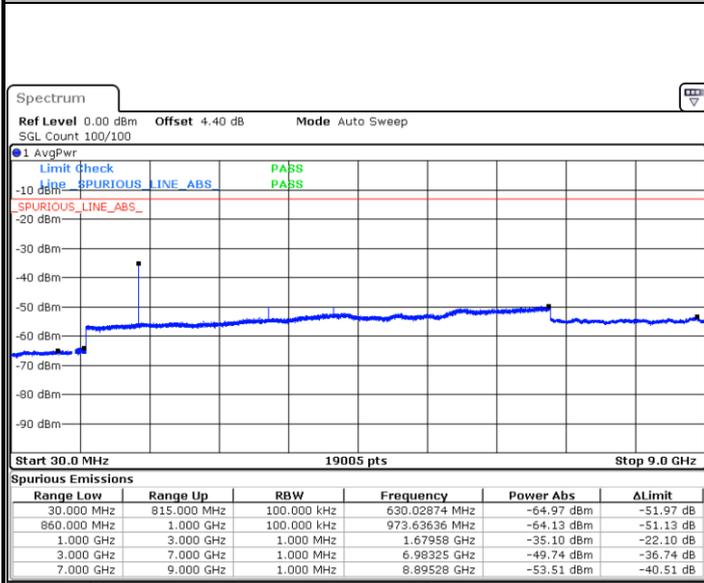
Date: 4 MAY.2020 12:41:05

Middle Channel / 16QAM



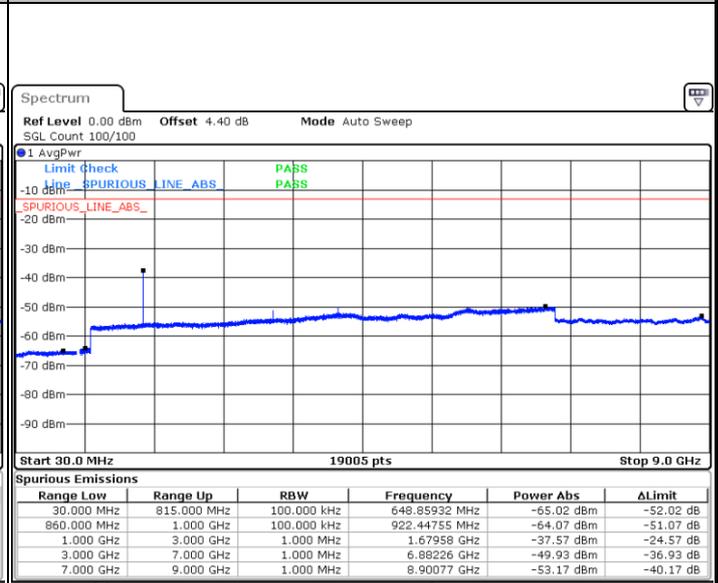
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Highest Channel / QPSK



Date: 4 MAY.2020 12:50:06

Highest Channel / 16QAM



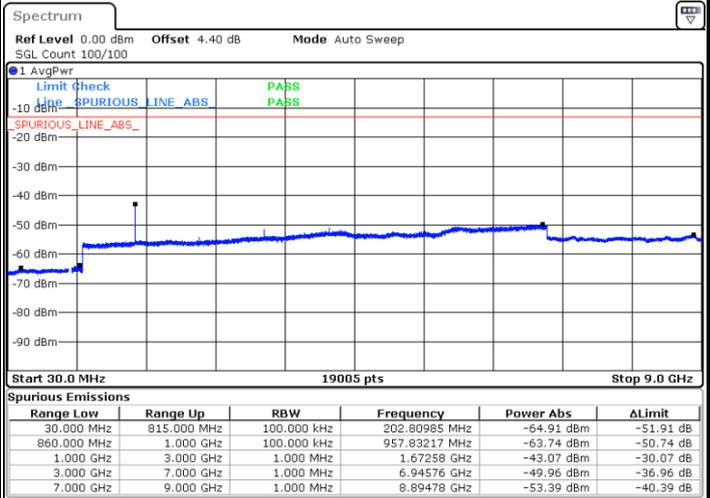
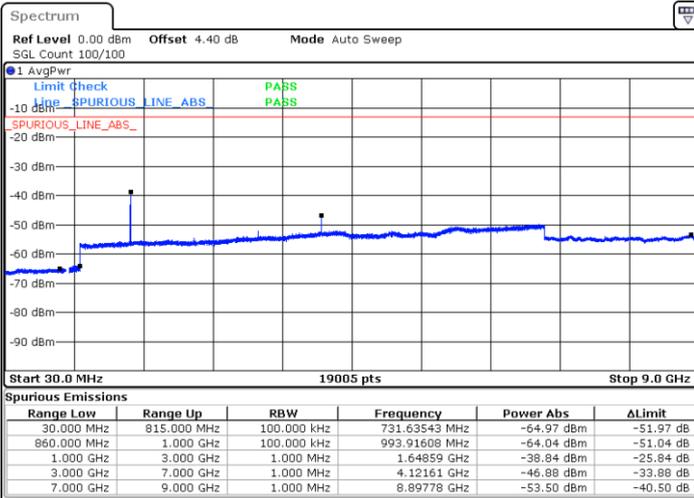
Date: 4 MAY.2020 12:51:00



LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM

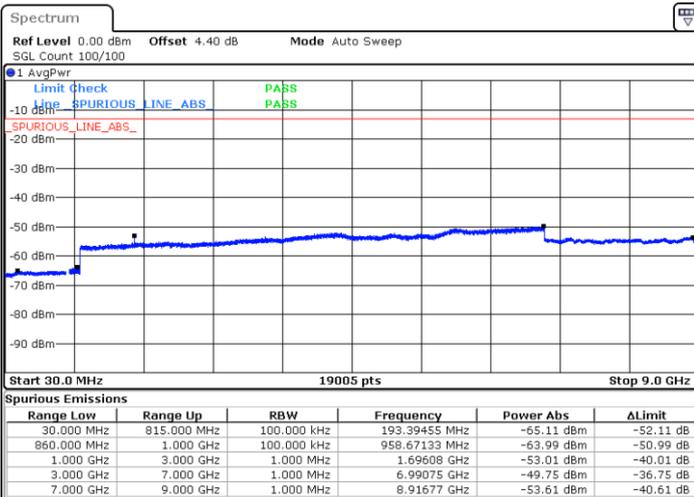
Middle Channel / 64QAM



Date: 4 MAY.2020 14:04:24

Date: 4 MAY.2020 14:05:18

Highest Channel / 64QAM

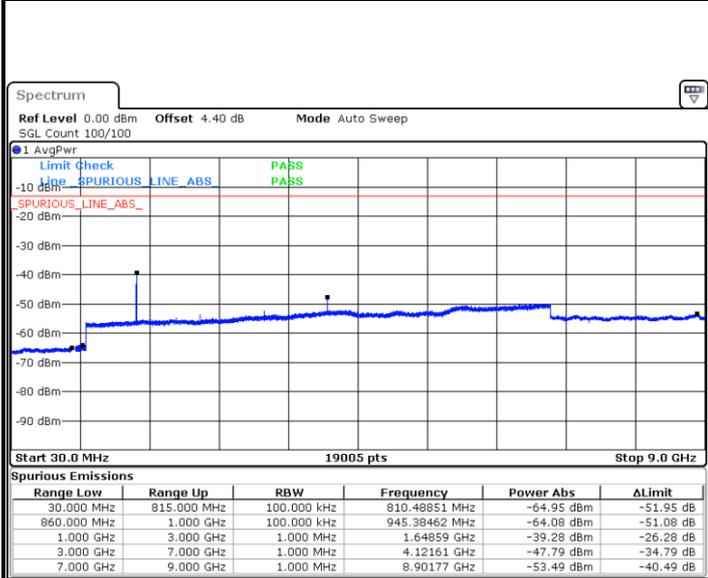


Date: 4 MAY.2020 14:38:24



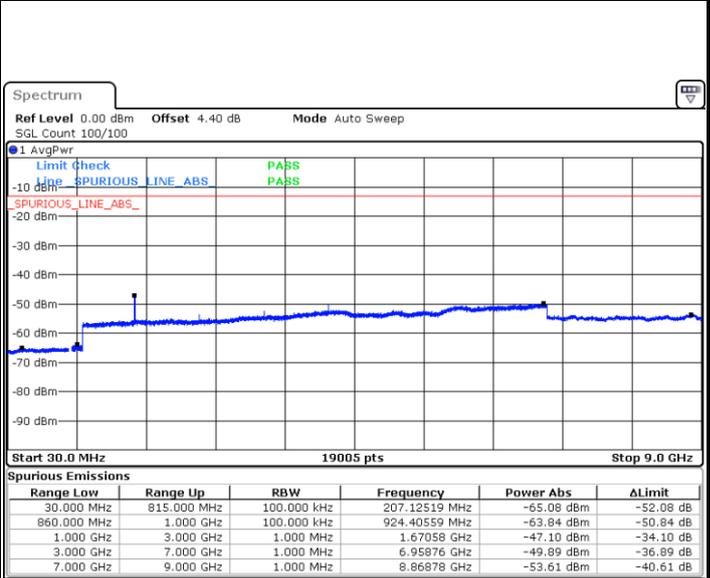
LTE Band 5 / 3MHz

Lowest Channel / 64QAM



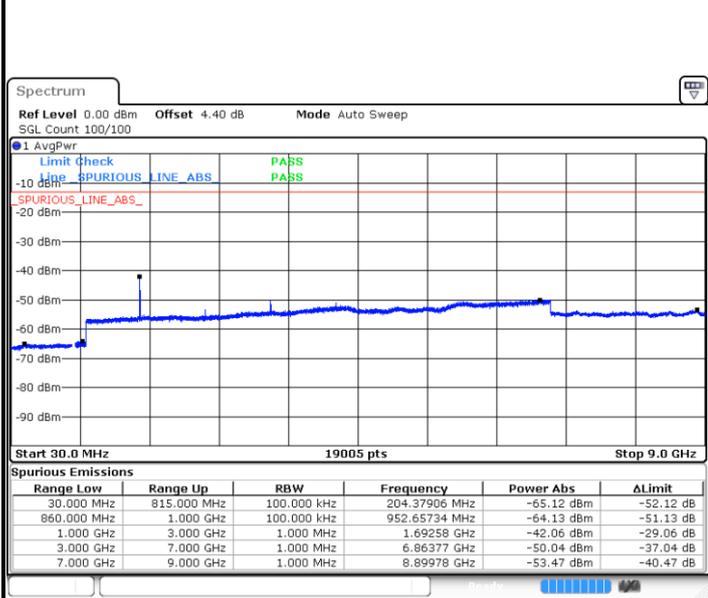
Date: 4 MAY.2020 14:42:55

Middle Channel / 64QAM



Date: 4 MAY.2020 14:43:48

Highest Channel / 64QAM

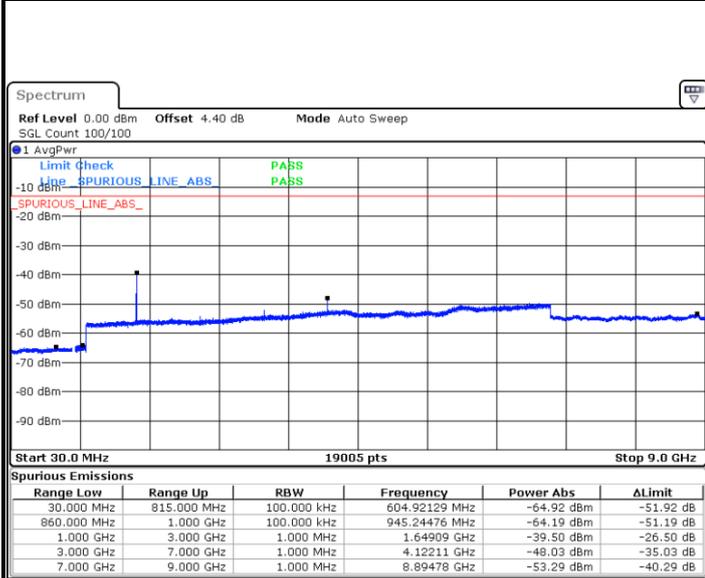


Date: 4 MAY.2020 14:48:39



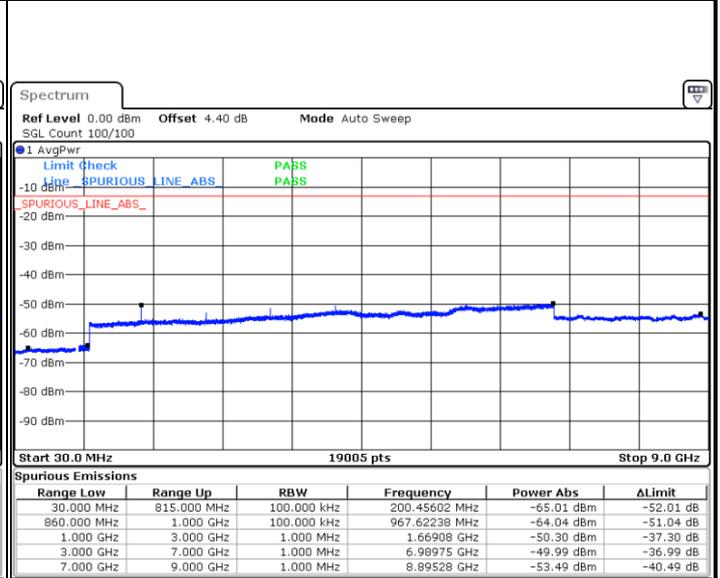
LTE Band 5 / 5MHz

Lowest Channel / 64QAM



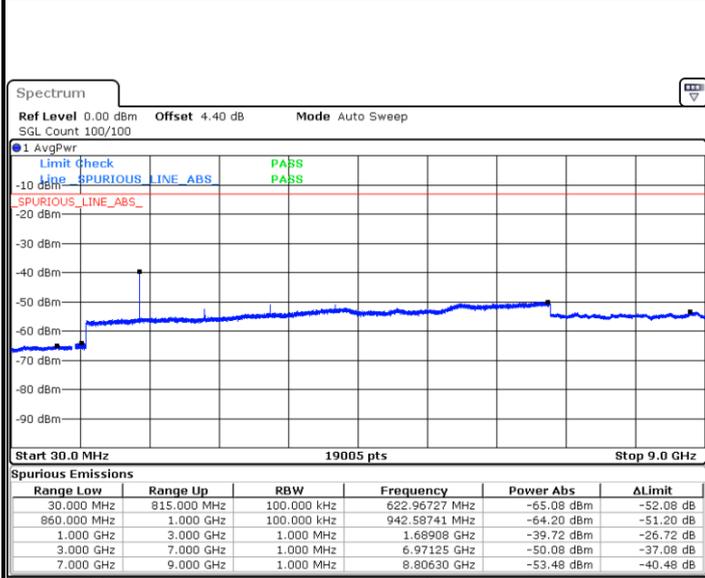
Date: 4 MAY.2020 14:53:09

Middle Channel / 64QAM



Date: 4 MAY.2020 14:54:03

Highest Channel / 64QAM



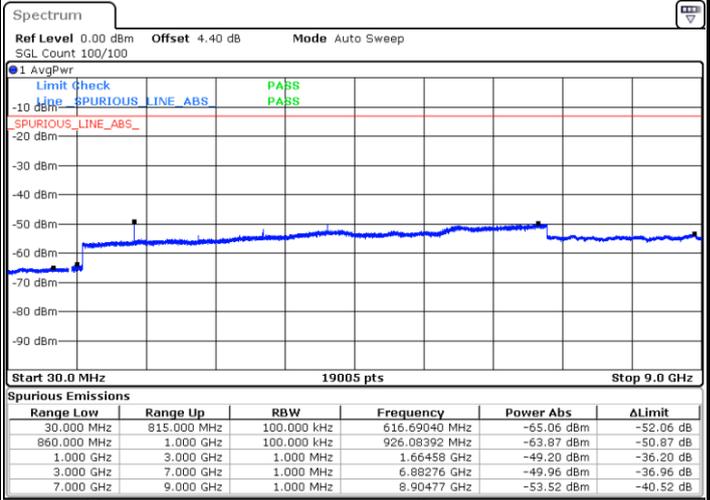
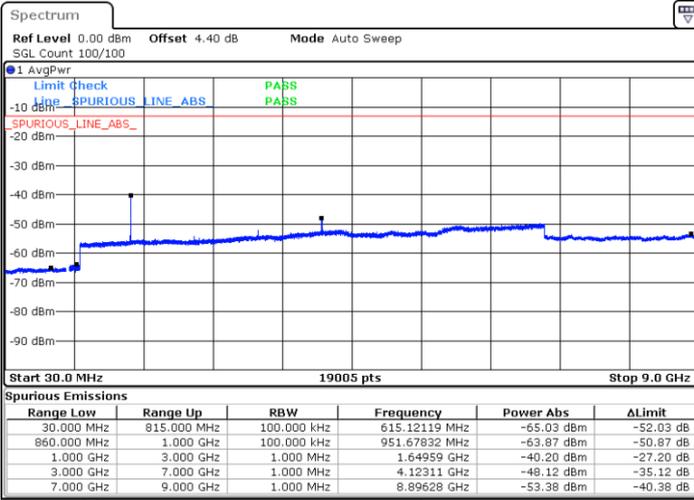
Date: 4 MAY.2020 14:58:53



LTE Band 5 / 10MHz

Lowest Channel / 64QAM

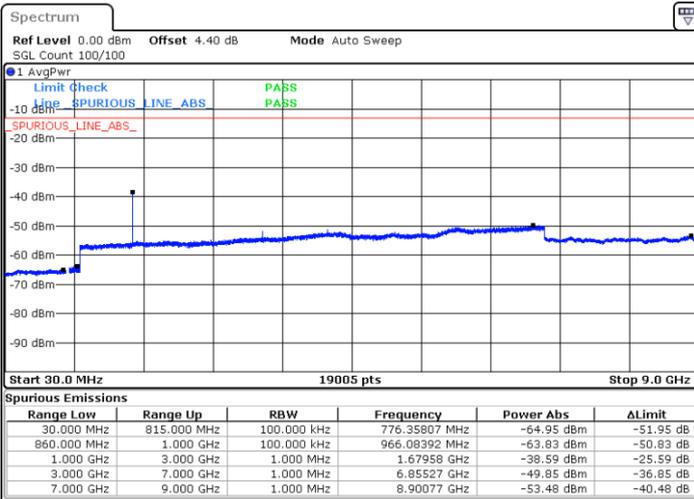
Middle Channel / 64QAM



Date: 4 MAY.2020 15:03:24

Date: 4 MAY.2020 15:04:17

Highest Channel / 64QAM



Date: 4 MAY.2020 15:09:08



Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0074	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0080	
0	Normal Voltage	0.0082	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0075	
20	Normal Voltage	0.0084	
20	Battery End Point	0.0012	

Note: Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4V.



LTE Band 7

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.09	4.67	5.19	5.77	PASS
Middle CH	4.38	4.78	5.01	5.86	
Highest CH	3.91	4.61	4.93	5.74	
Mode	LTE Band 7 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.26	6.41	-	-	PASS
Middle CH	7.13	6.46	-	-	
Highest CH	5.97	6.38	-	-	