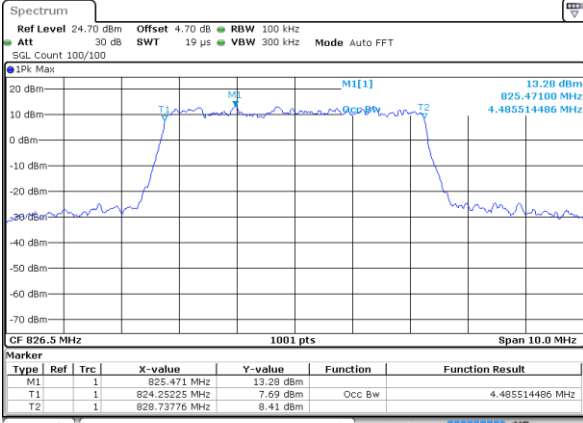




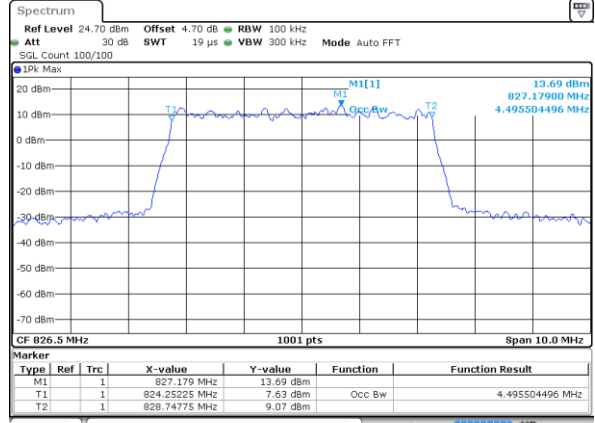
LTE Band 5

Lowest Channel / 5MHz / QPSK



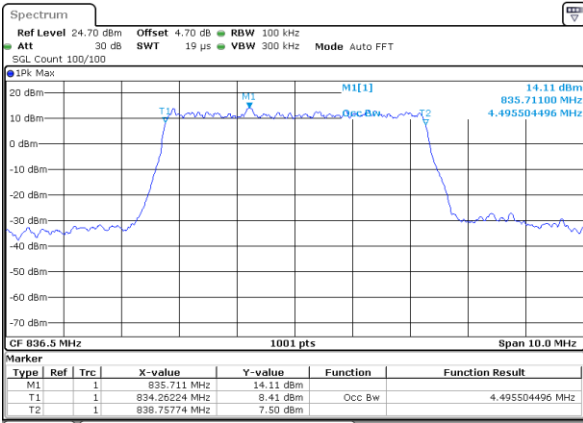
Date: 1 MAY 2020 11:31:46

Lowest Channel / 5MHz / 16QAM



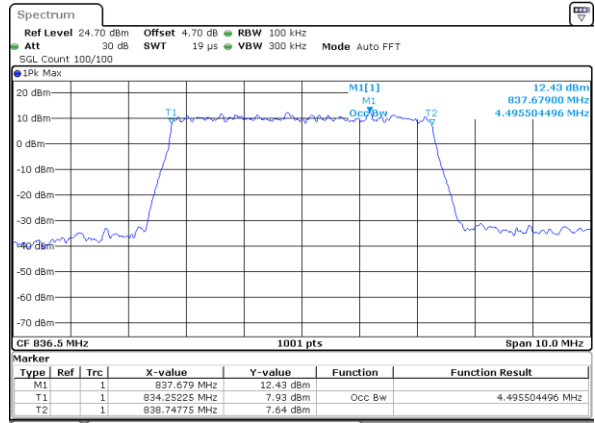
Date: 1 MAY 2020 11:31:56

Middle Channel / 5MHz / QPSK



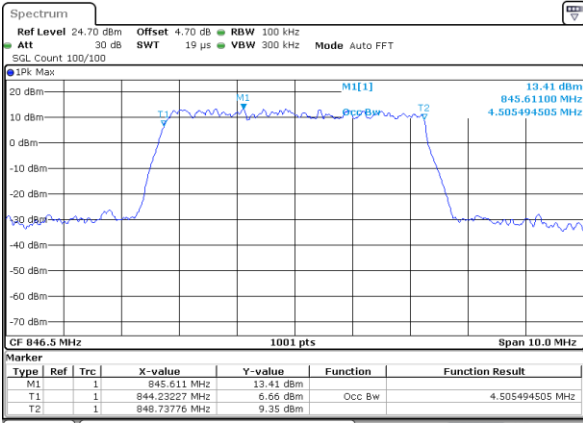
Date: 1 MAY 2020 11:40:45

Middle Channel / 5MHz / 16QAM



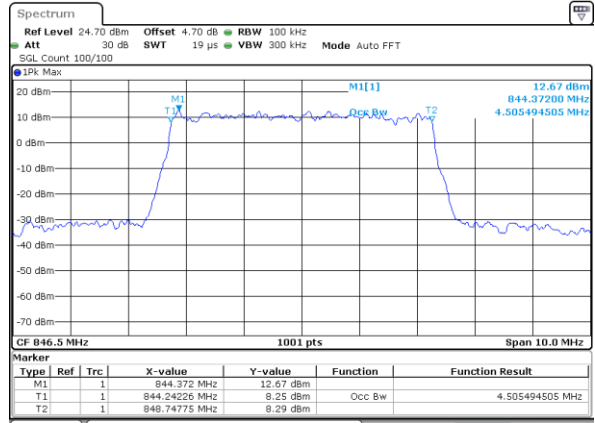
Date: 1 MAY 2020 11:40:55

Highest Channel / 5MHz / QPSK



Date: 1 MAY 2020 11:43:15

Highest Channel / 5MHz / 16QAM

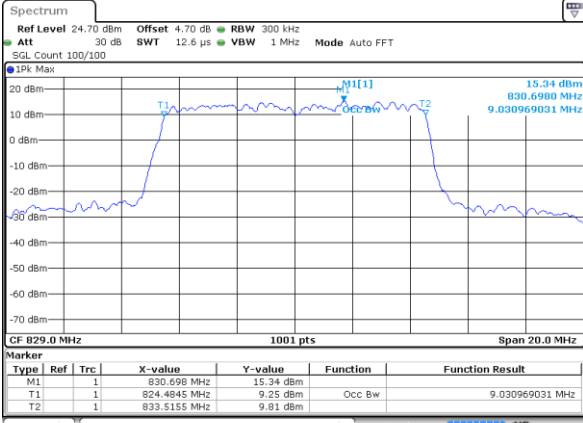


Date: 1 MAY 2020 11:43:25



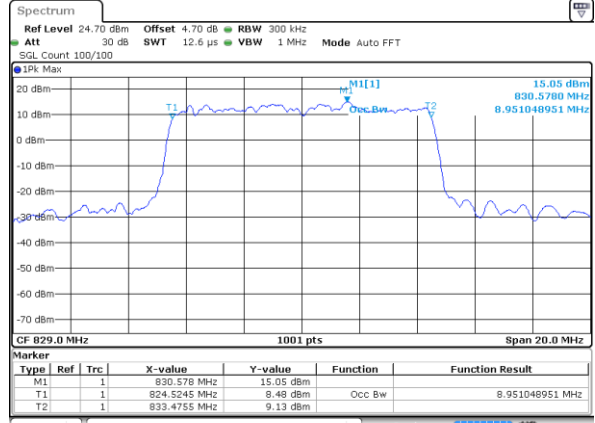
LTE Band 5

Lowest Channel / 10MHz / QPSK



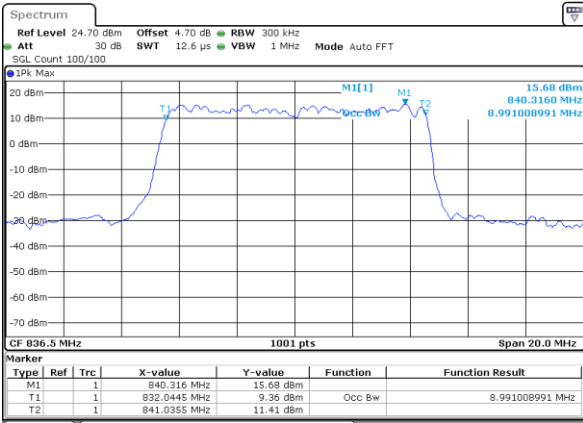
Date: 1 MAY 2020 11:55:22

Lowest Channel / 10MHz / 16QAM



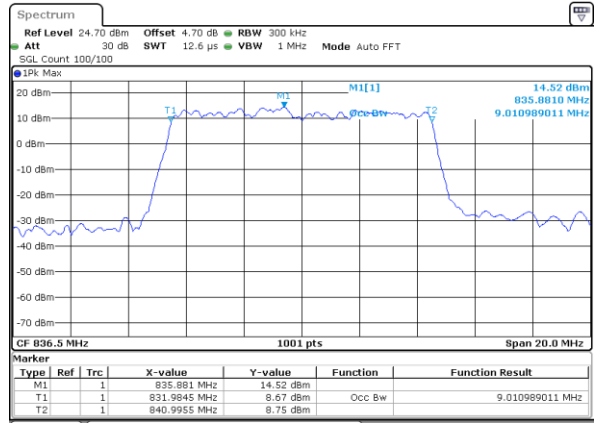
Date: 1 MAY 2020 11:55:32

Middle Channel / 10MHz / QPSK



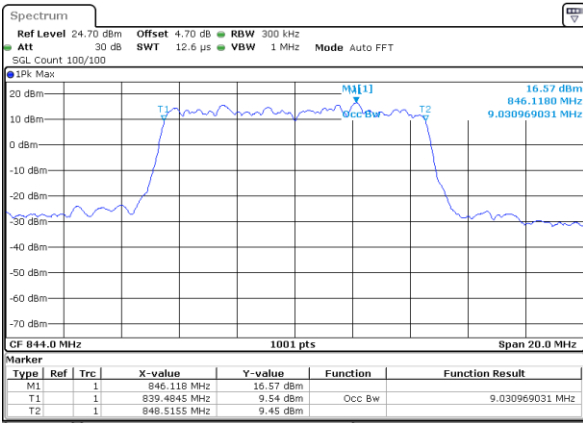
Date: 1 MAY 2020 12:05:30

Middle Channel / 10MHz / 16QAM



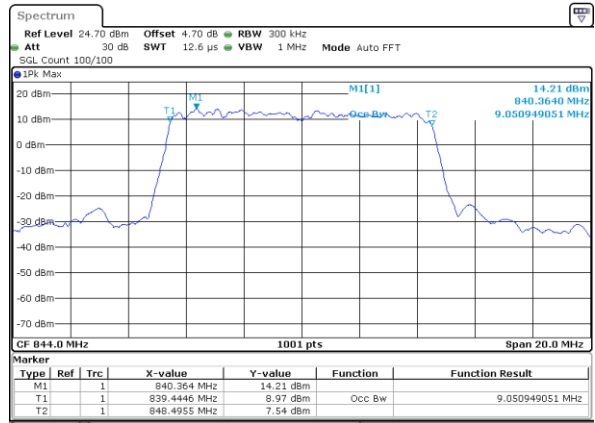
Date: 1 MAY 2020 12:05:40

Highest Channel / 10MHz / QPSK



Date: 1 MAY 2020 12:07:59

Highest Channel / 10MHz / 16QAM

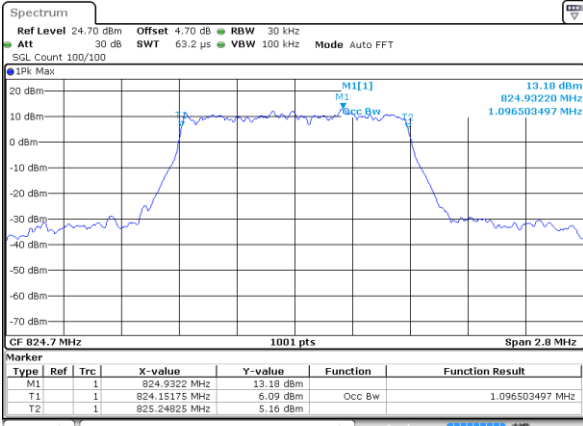


Date: 1 MAY 2020 12:08:09



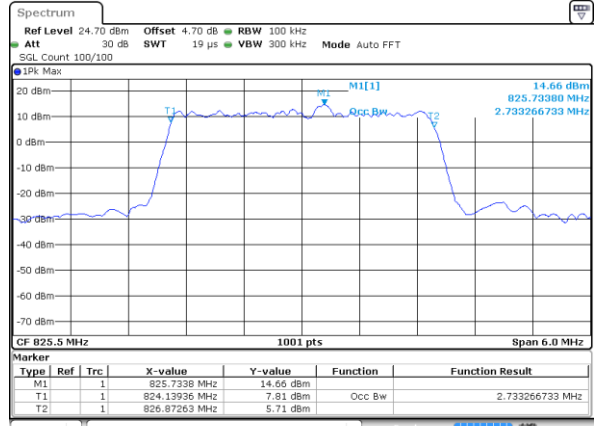
LTE Band 5

Lowest Channel / 1.4MHz / 64QAM



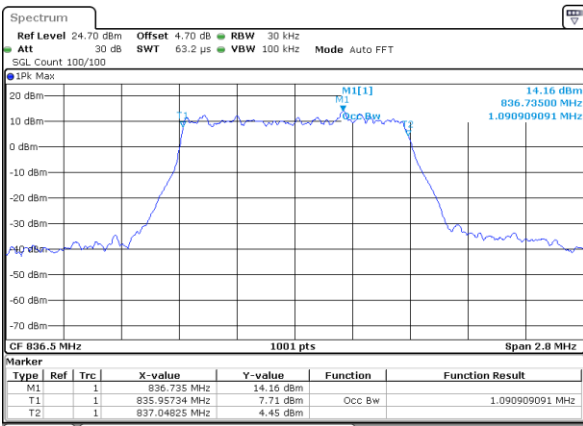
Date: 1.MAY.2020 13:51:03

Lowest Channel / 3MHz / 64QAM



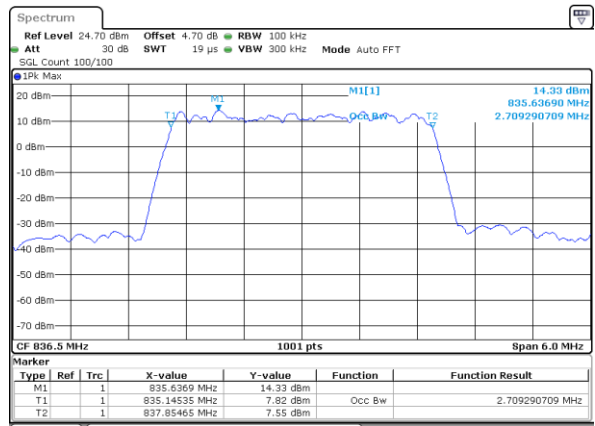
Date: 1.MAY.2020 12:30:39

Middle Channel / 1.4MHz / 64QAM



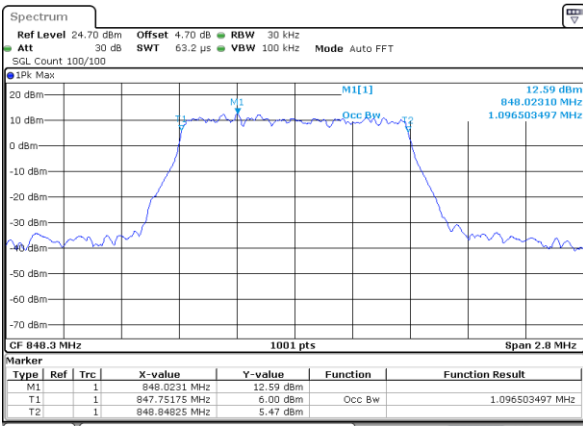
Date: 1.MAY.2020 12:23:32

Middle Channel / 3MHz / 64QAM



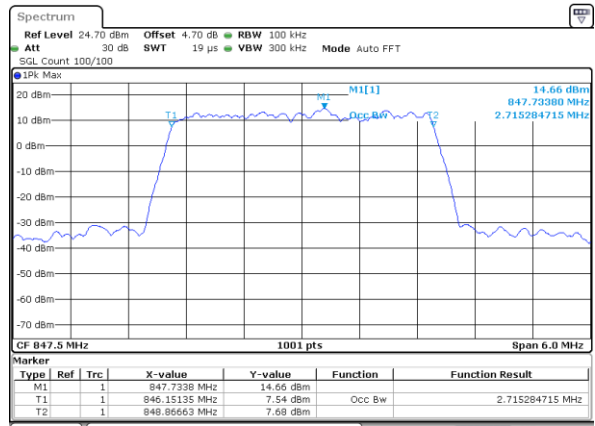
Date: 1.MAY.2020 12:47:55

Highest Channel / 1.4MHz / 64QAM



Date: 1.MAY.2020 12:25:55

Highest Channel / 3MHz / 64QAM

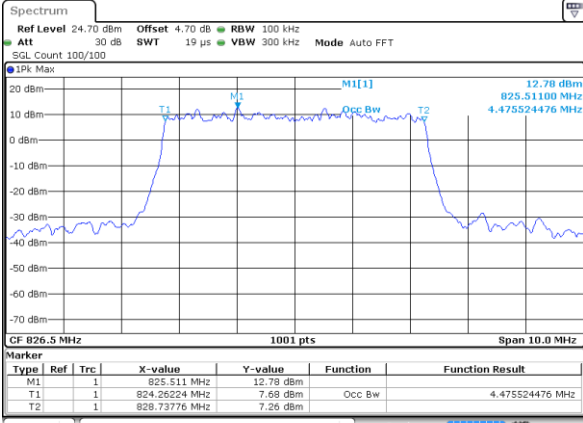


Date: 1.MAY.2020 12:48:15



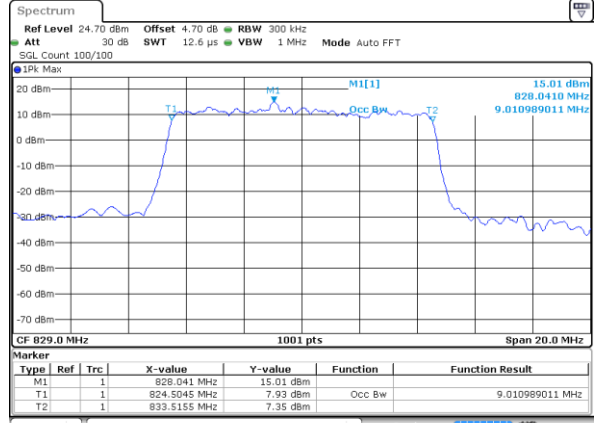
LTE Band 5

Lowest Channel / 5MHz / 64QAM



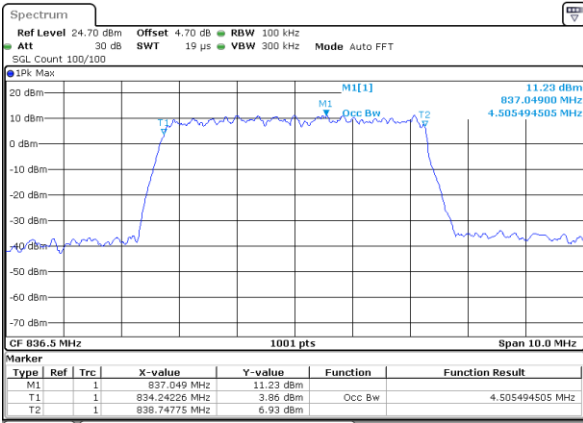
Date: 1 MAY 2020 13:55:04

Lowest Channel / 10MHz / 64QAM



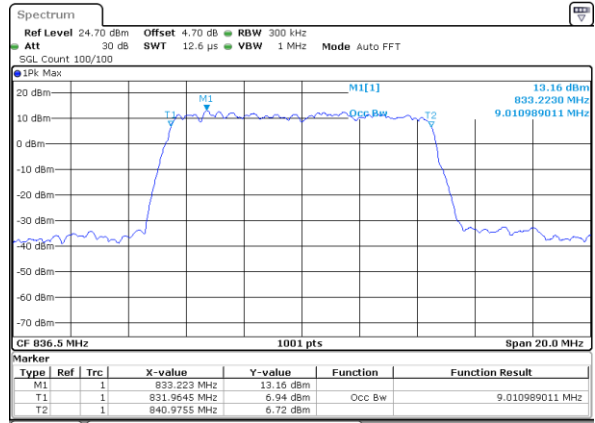
Date: 1 MAY 2020 13:07:18

Middle Channel / 5MHz / 64QAM



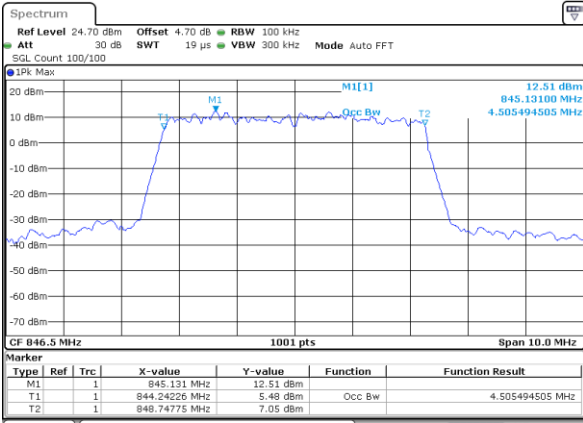
Date: 1 MAY 2020 13:01:02

Middle Channel / 10MHz / 64QAM



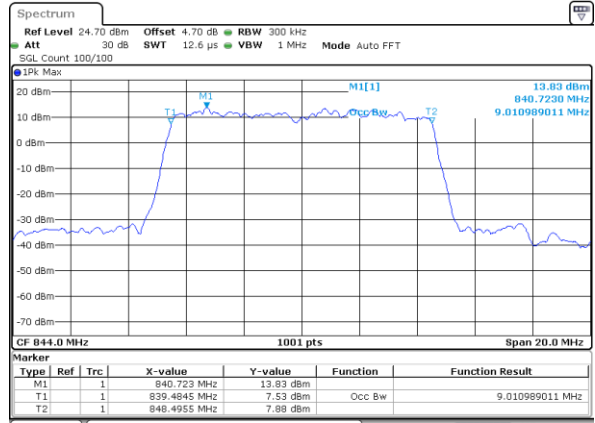
Date: 1 MAY 2020 13:12:43

Highest Channel / 5MHz / 64QAM



Date: 1 MAY 2020 13:02:49

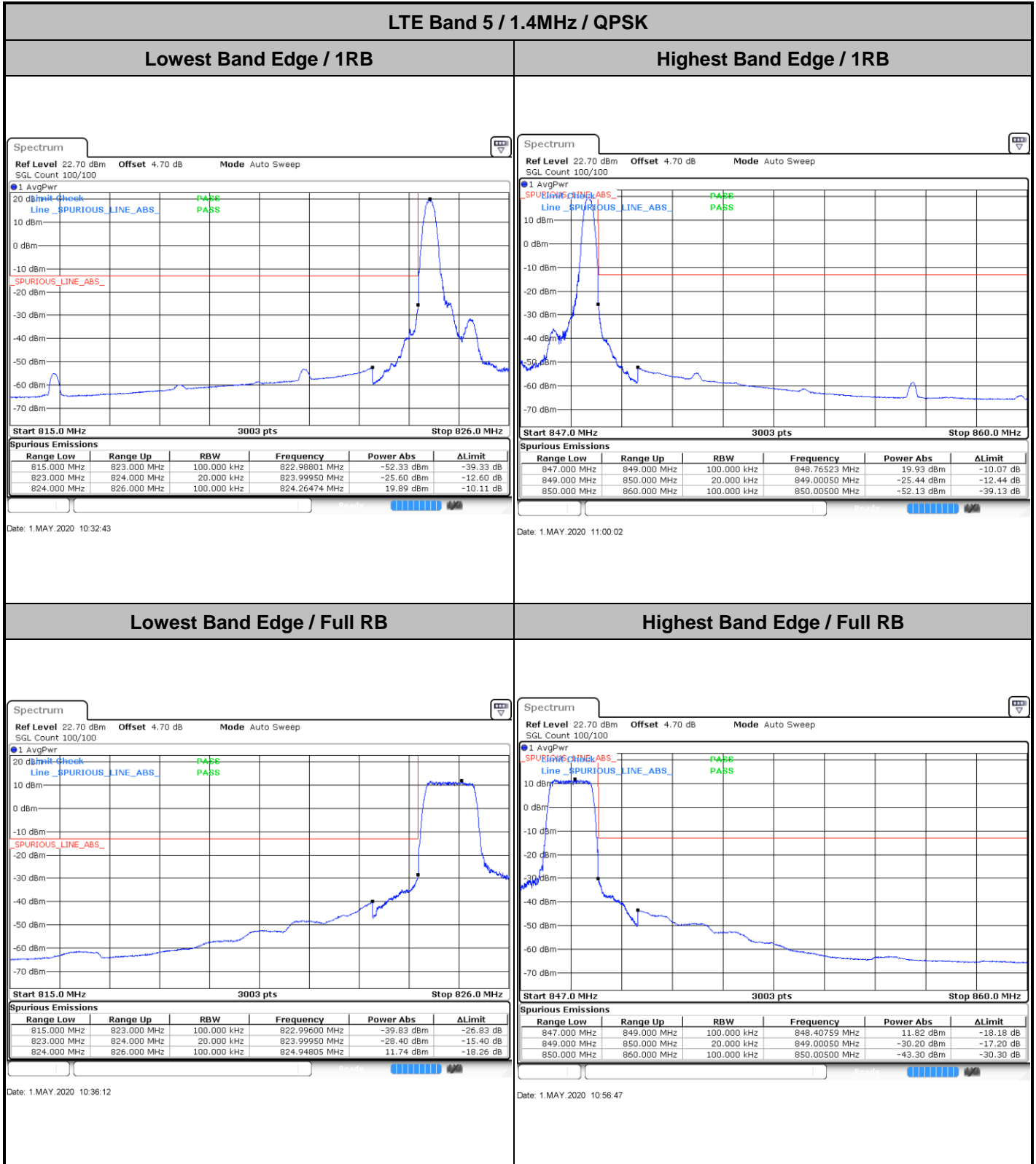
Highest Channel / 10MHz / 64QAM



Date: 1 MAY 2020 13:13:03



Conducted Band Edge





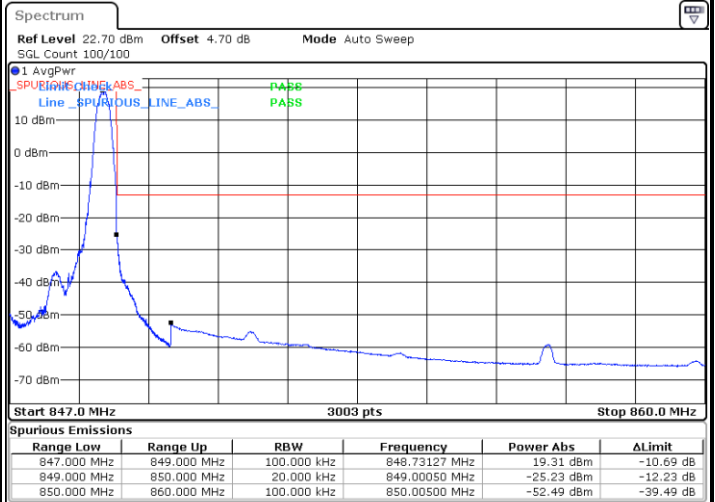
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



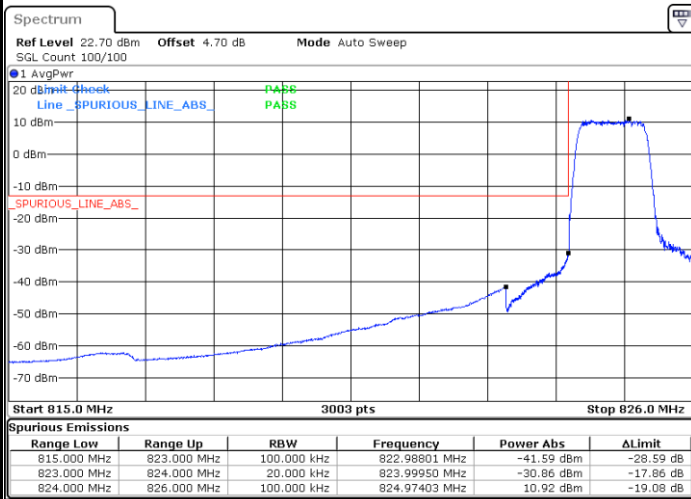
Date: 1 MAY 2020 10:34:34

Highest Band Edge / 1 RB



Date: 1 MAY 2020 11:01:39

Lowest Band Edge / Full RB



Date: 1 MAY 2020 10:37:49

Highest Band Edge / Full RB



Date: 1 MAY 2020 10:58:24



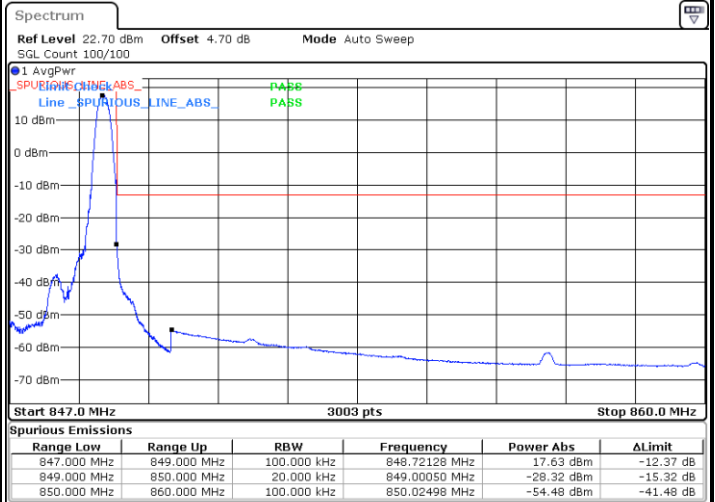
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



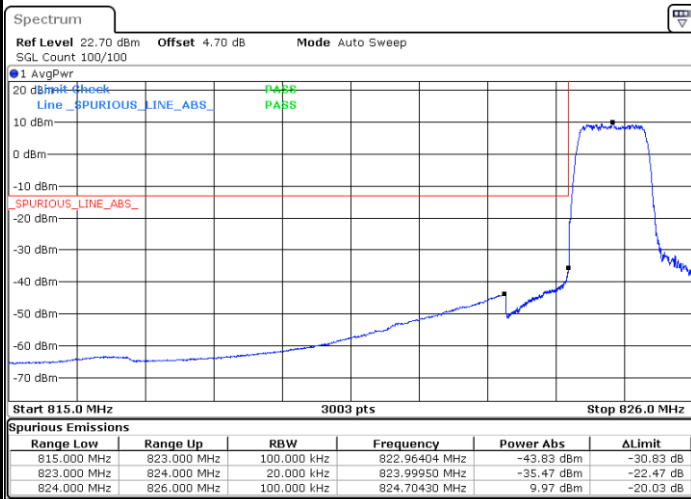
Date: 1 MAY 2020 12:21:33

Highest Band Edge / 1 RB



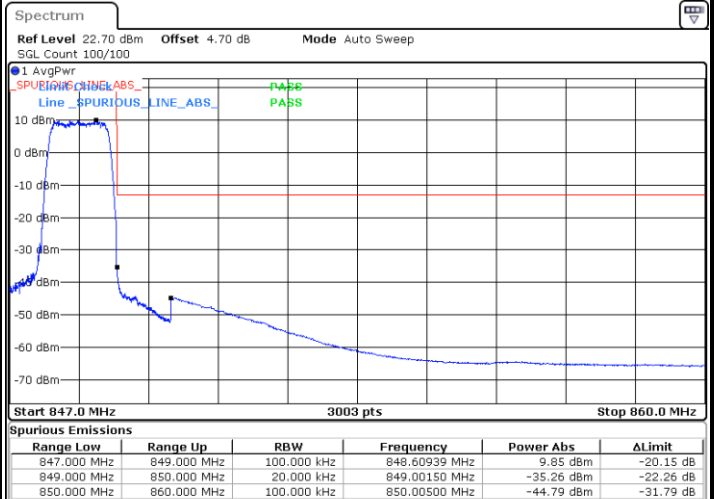
Date: 1 MAY 2020 12:29:20

Lowest Band Edge / Full RB



Date: 1 MAY 2020 13:53:22

Highest Band Edge / Full RB

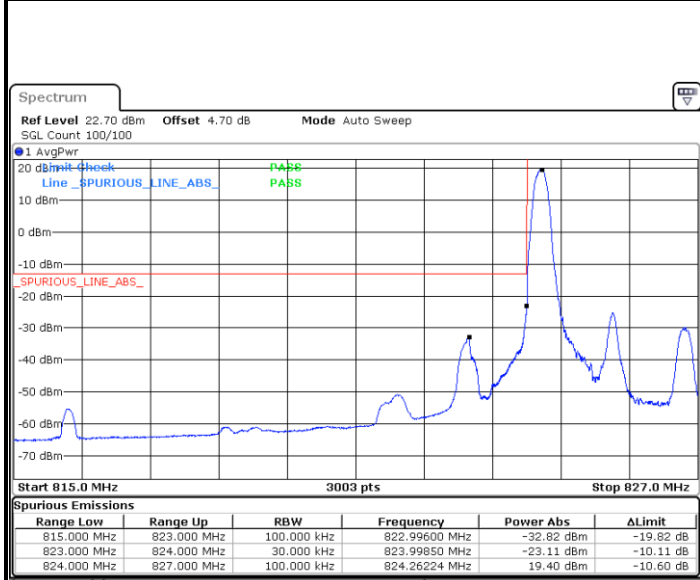


Date: 1 MAY 2020 12:27:43



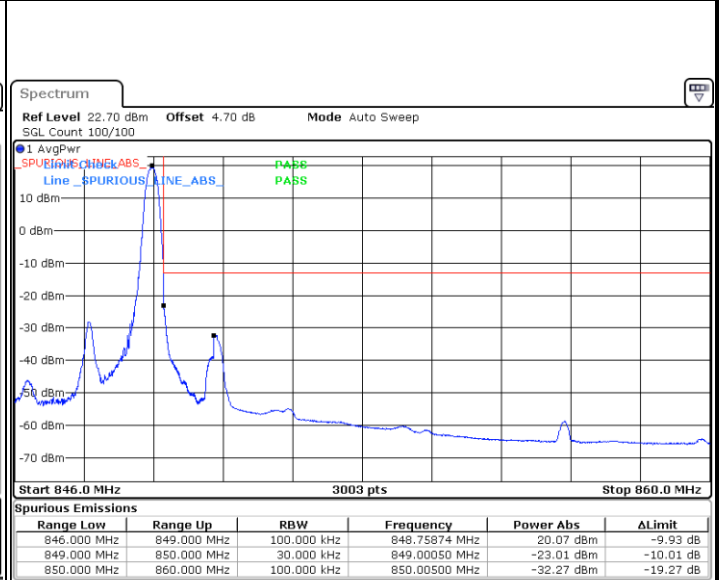
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



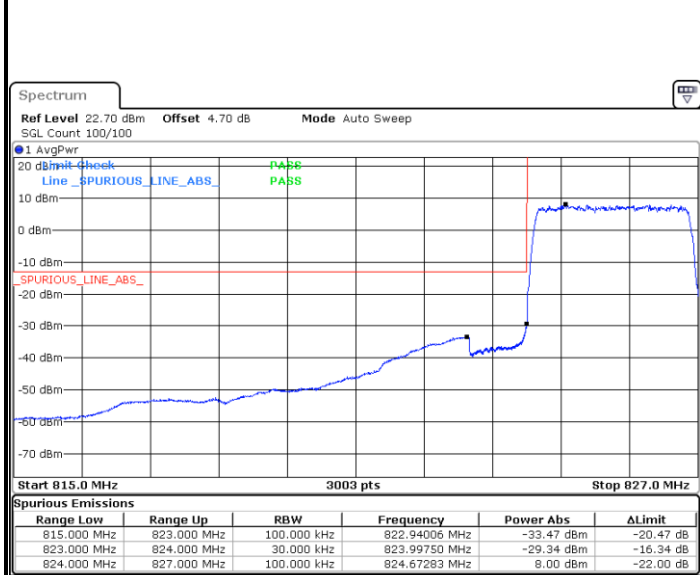
Date: 1.MAY.2020 11:08:07

Highest Band Edge / 1 RB



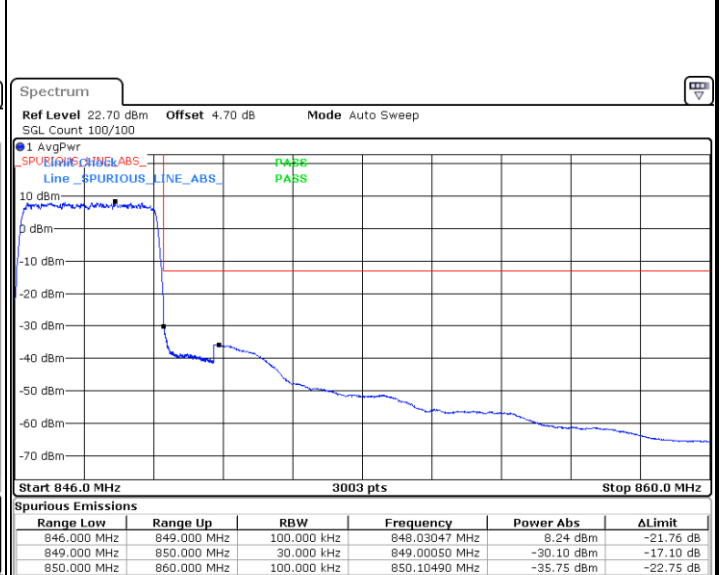
Date: 1.MAY.2020 11:22:30

Lowest Band Edge / Full RB



Date: 1.MAY.2020 11:14:05

Highest Band Edge / Full RB

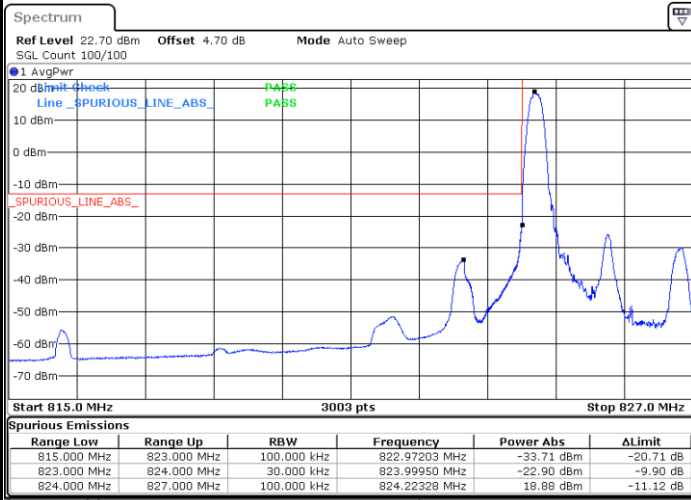


Date: 1.MAY.2020 11:25:45



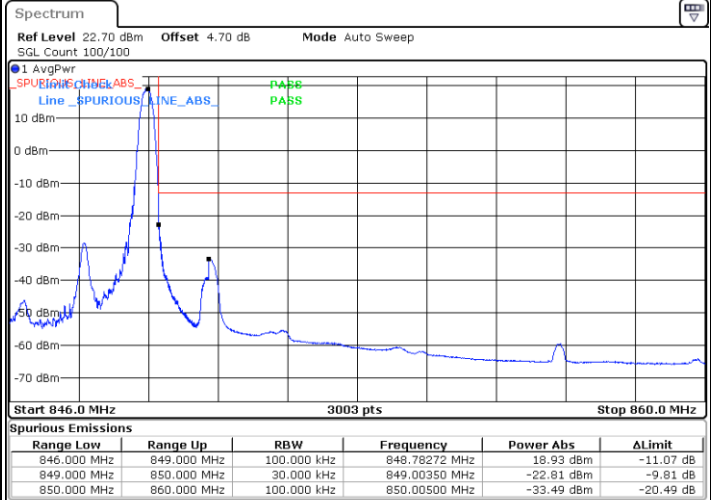
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



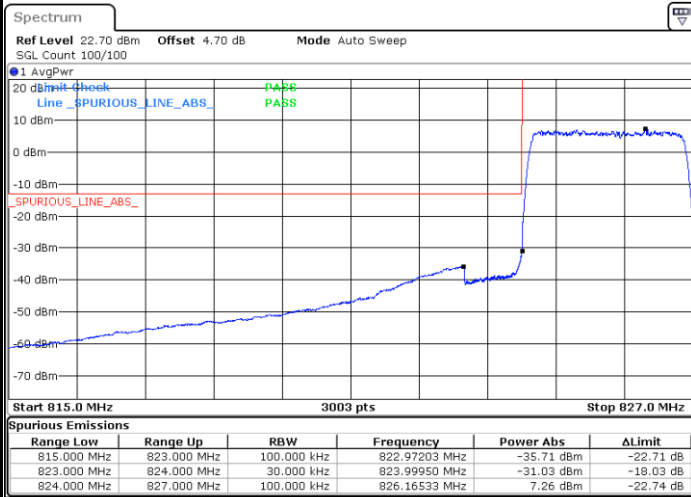
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Highest Band Edge / 1 RB



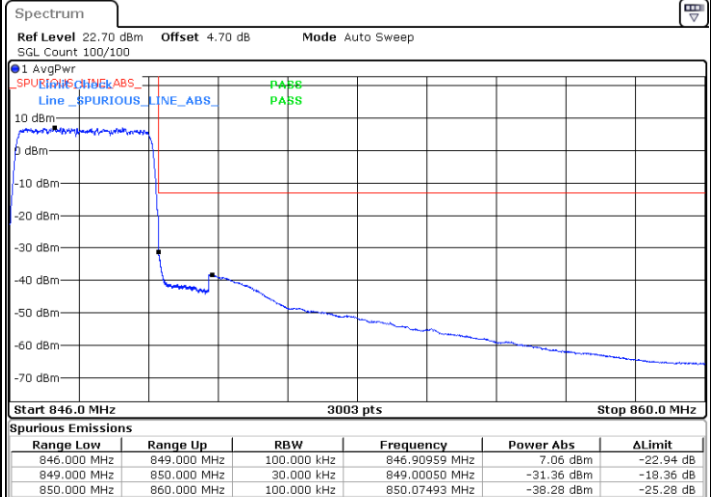
Date: 1.MAY.2020 11:24:08

Lowest Band Edge / Full RB



Date: 1.MAY.2020 11:15:43

Highest Band Edge / Full RB

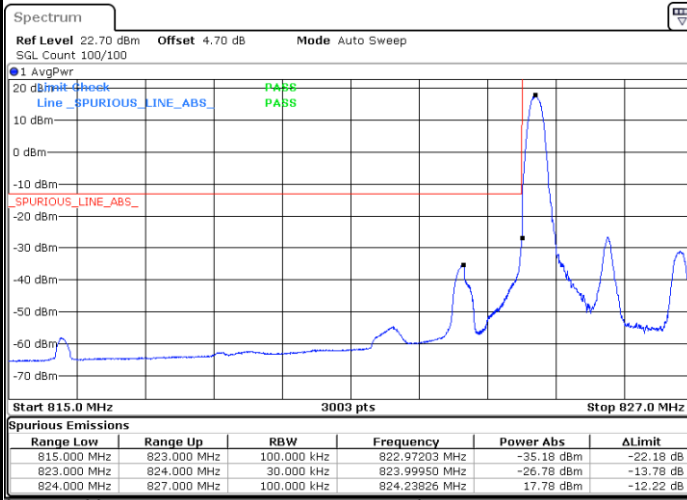


Date: 1.MAY.2020 11:27:23



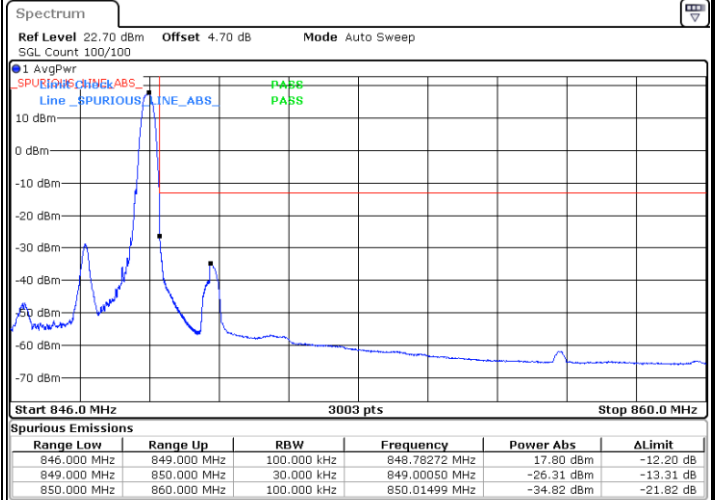
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



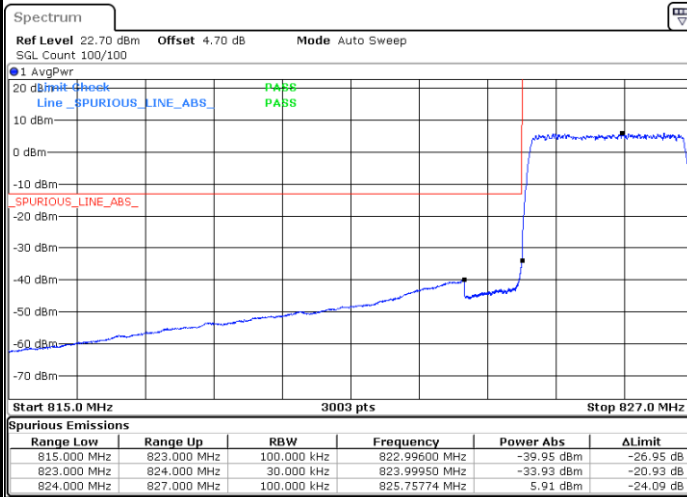
Date: 1.MAY.2020 12:35:34

Highest Band Edge / 1 RB



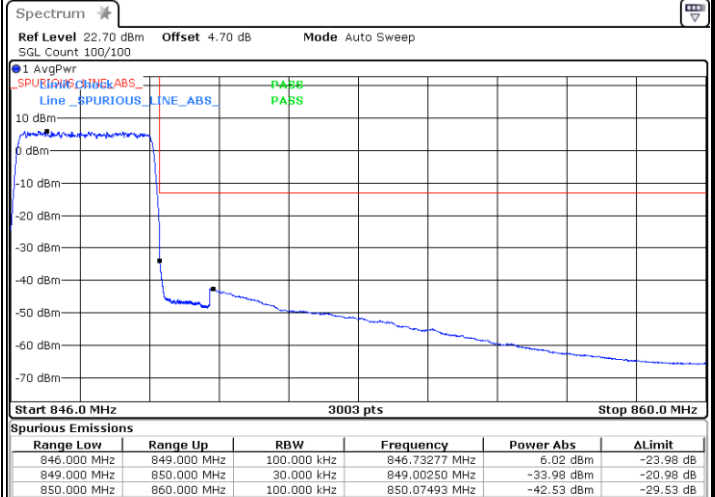
Date: 1.MAY.2020 12:52:00

Lowest Band Edge / Full RB



Date: 1.MAY.2020 12:33:56

Highest Band Edge / Full RB

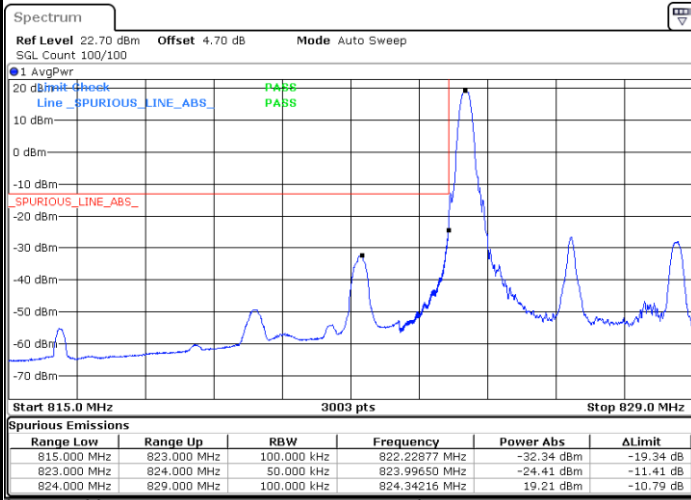


Date: 1.MAY.2020 12:50:23



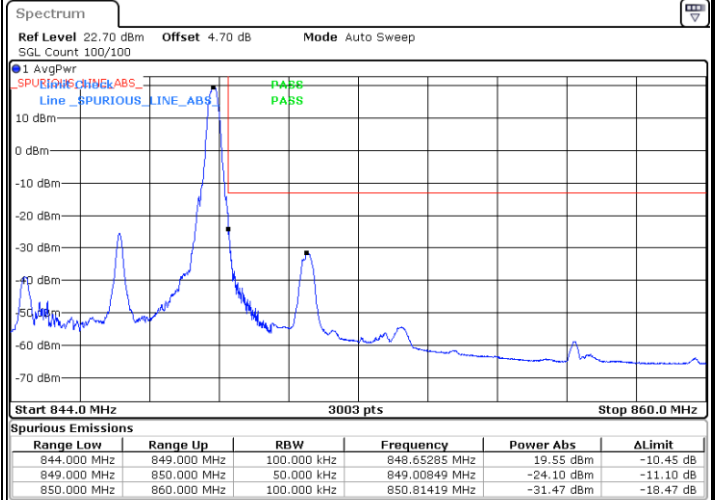
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



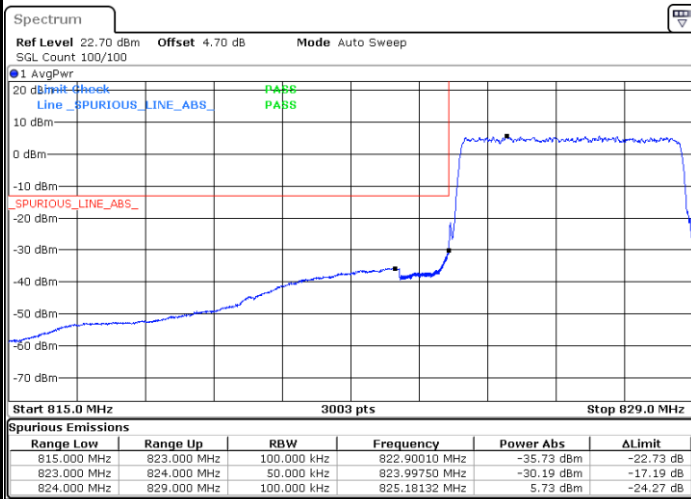
Date: 1 MAY 2020 11:33:54

Highest Band Edge / 1 RB



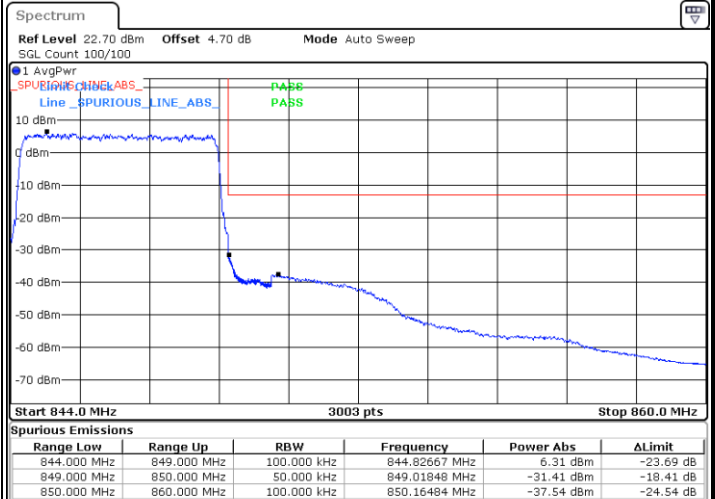
Date: 1 MAY 2020 11:45:23

Lowest Band Edge / Full RB



Date: 1 MAY 2020 11:37:09

Highest Band Edge / Full RB

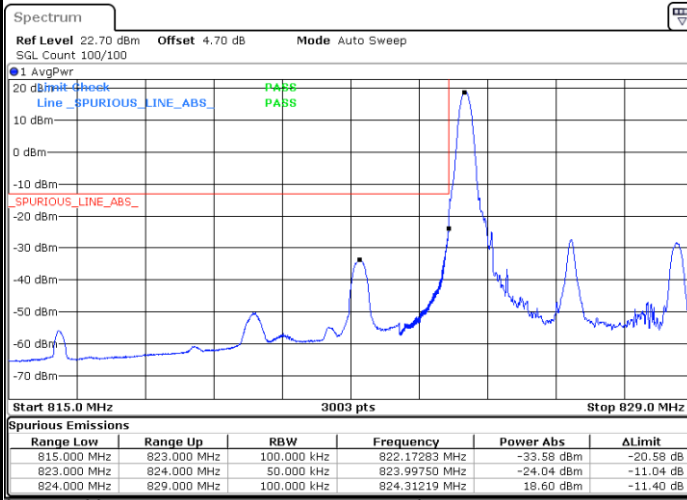


Date: 1 MAY 2020 11:50:23



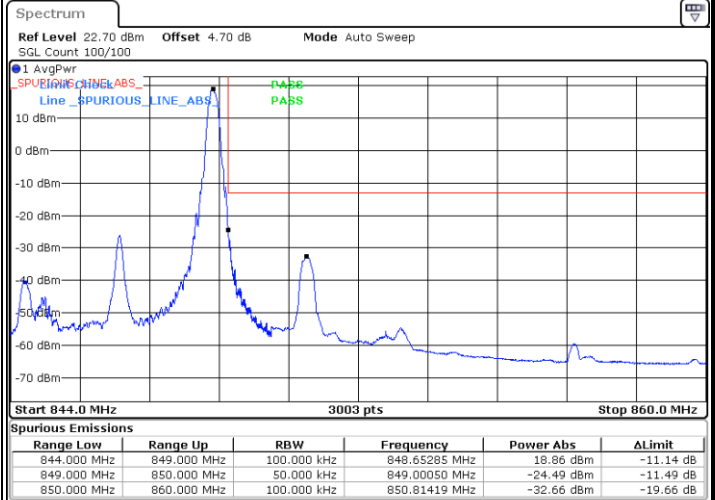
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



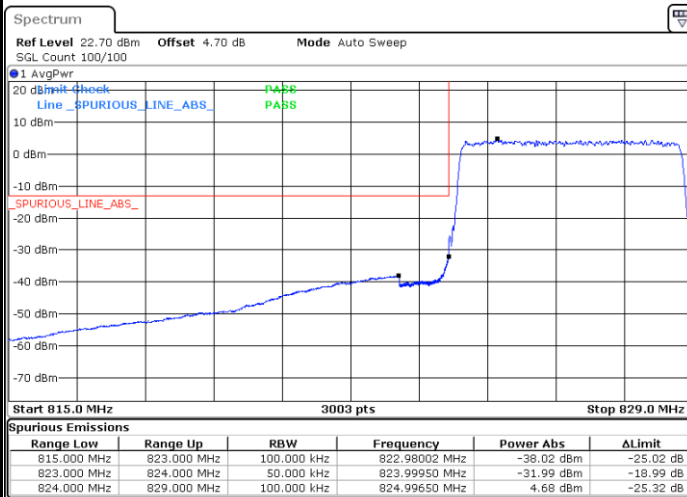
Date: 1.MAY.2020 11:35:32

Highest Band Edge / 1 RB



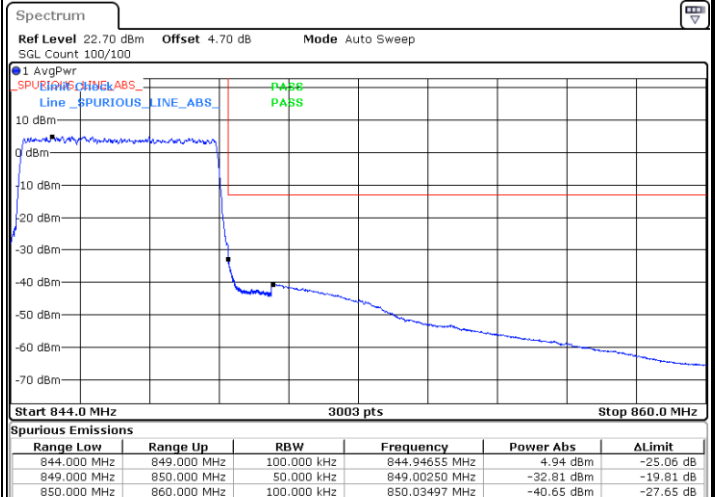
Date: 1.MAY.2020 11:47:00

Lowest Band Edge / Full RB



Date: 1.MAY.2020 11:38:47

Highest Band Edge / Full RB

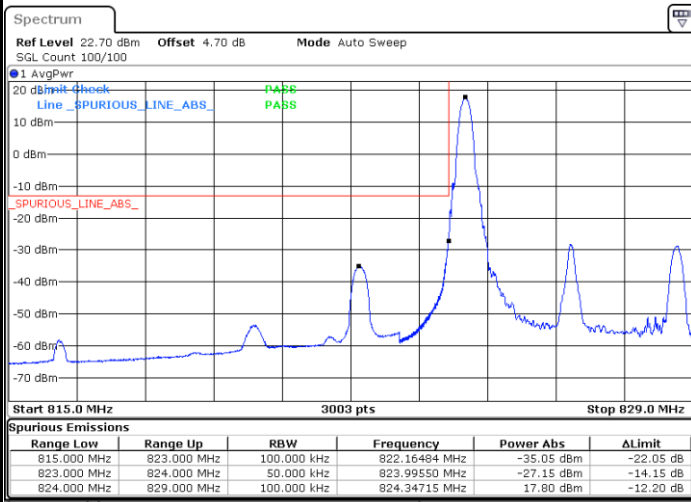


Date: 1.MAY.2020 11:52:01



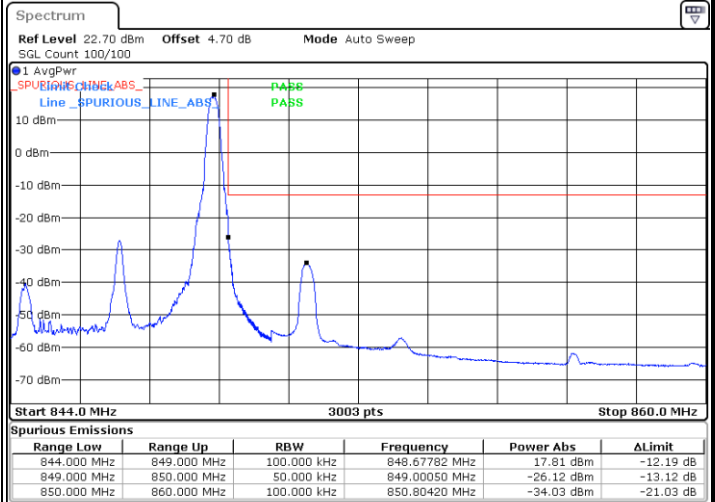
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



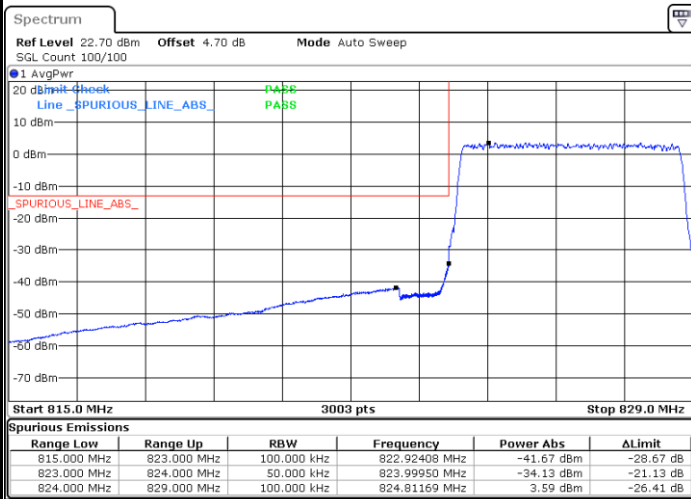
Date: 1.MAY.2020 12:59:03

Highest Band Edge / 1 RB



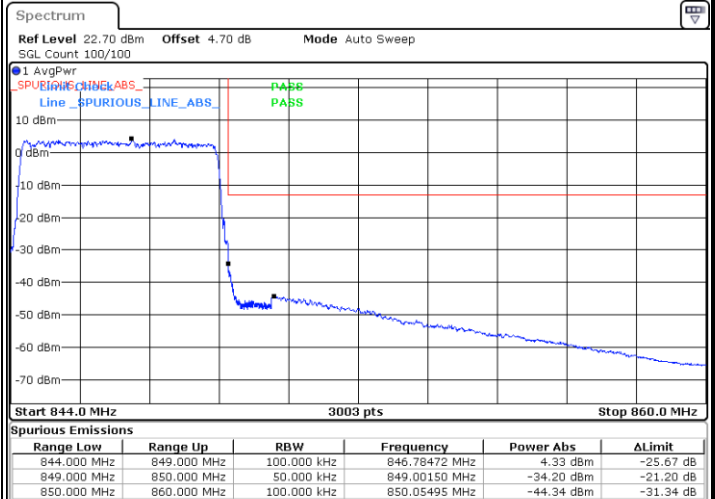
Date: 1.MAY.2020 13:06:14

Lowest Band Edge / Full RB



Date: 1.MAY.2020 12:57:25

Highest Band Edge / Full RB

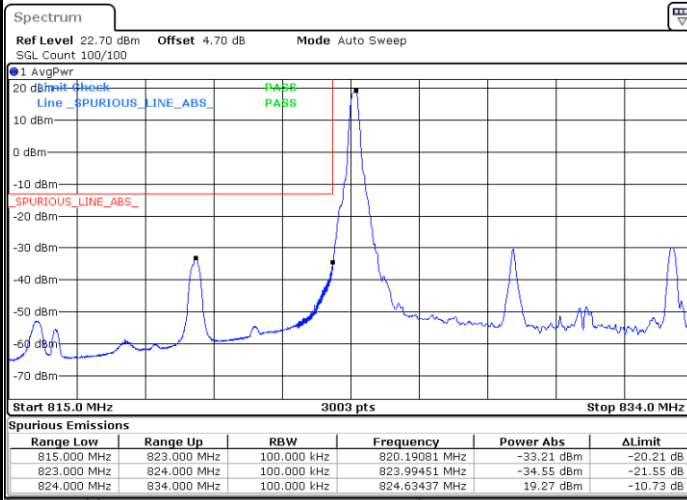


Date: 1.MAY.2020 13:04:37



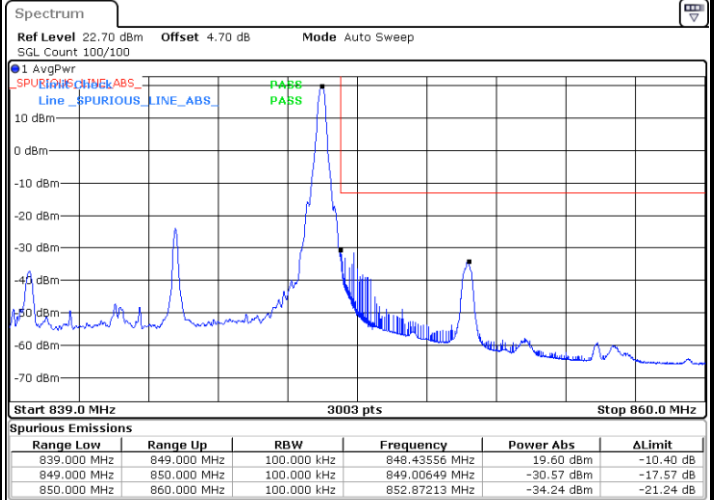
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



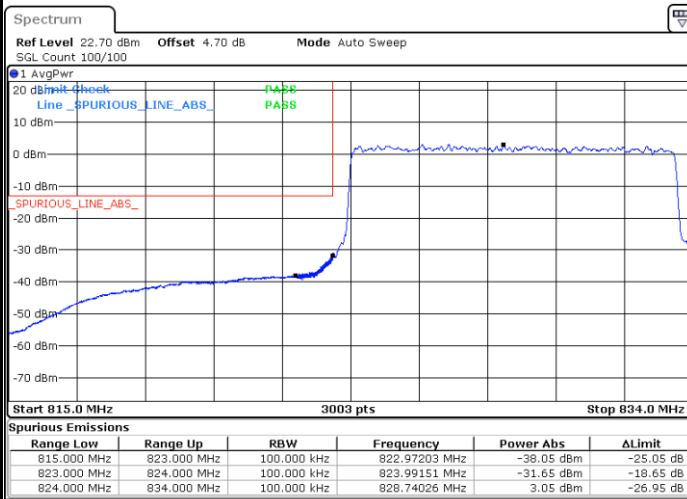
Date: 1.MAY.2020 11:58:39

Highest Band Edge / 1 RB



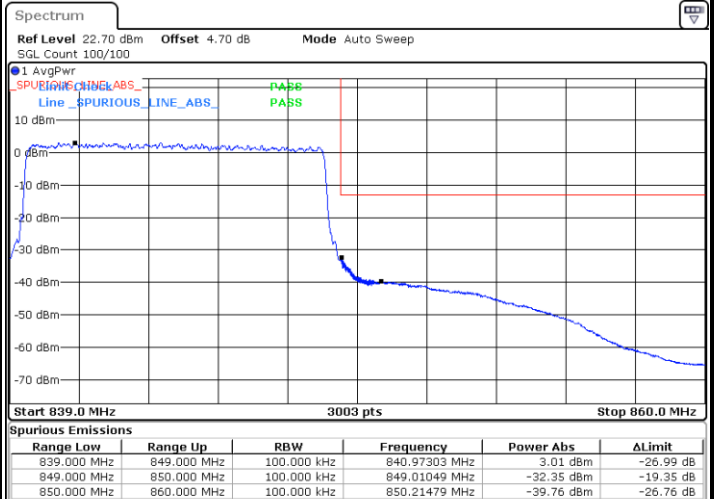
Date: 1.MAY.2020 12:10:08

Lowest Band Edge / Full RB



Date: 1.MAY.2020 12:01:54

Highest Band Edge / Full RB

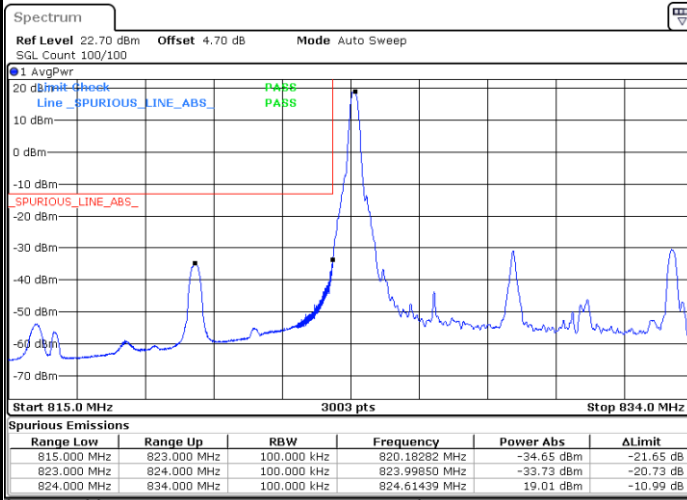


Date: 1.MAY.2020 12:13:23



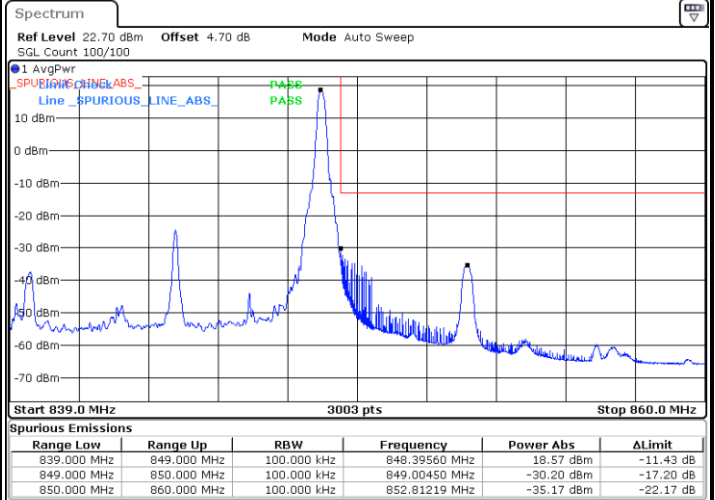
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



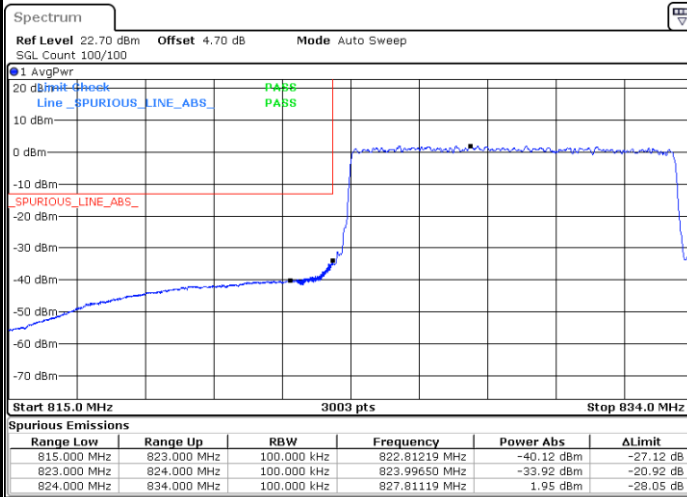
Date: 1.MAY.2020 12:00:16

Highest Band Edge / 1 RB



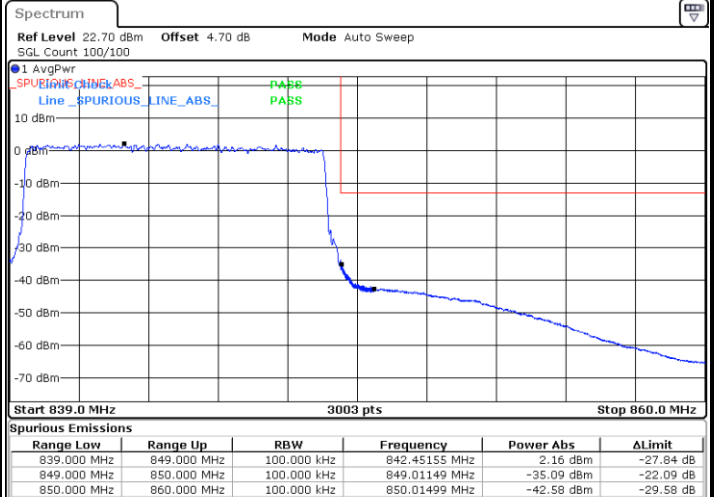
Date: 1.MAY.2020 12:11:45

Lowest Band Edge / Full RB



Date: 1.MAY.2020 12:03:31

Highest Band Edge / Full RB

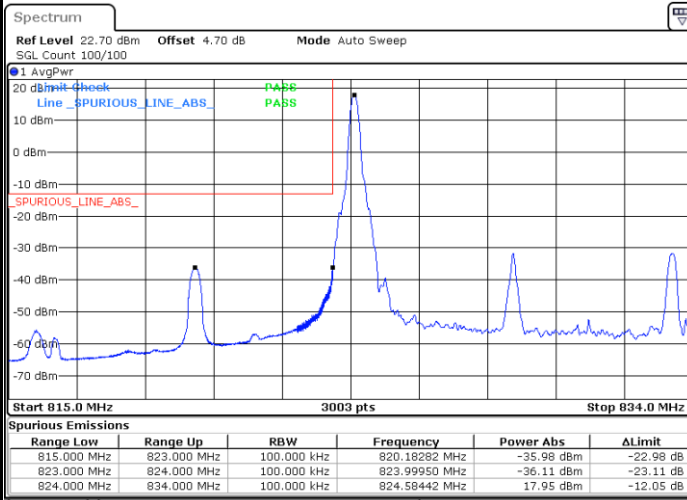


Date: 1.MAY.2020 12:15:00

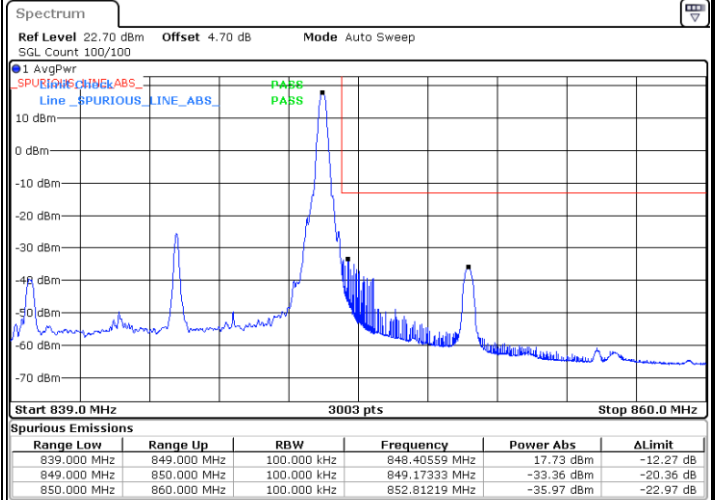


LTE Band 5 / 10MHz / 64QAM

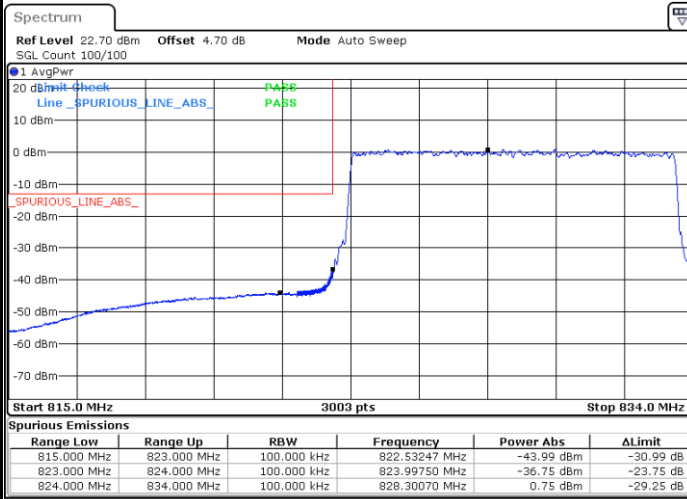
Lowest Band Edge / 1 RB



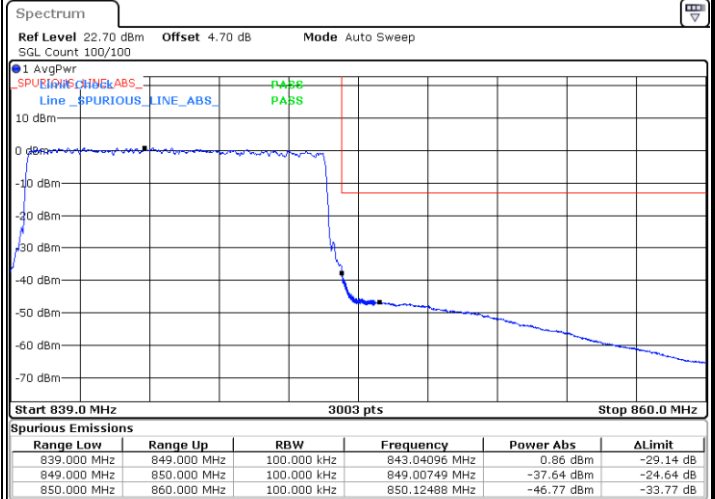
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

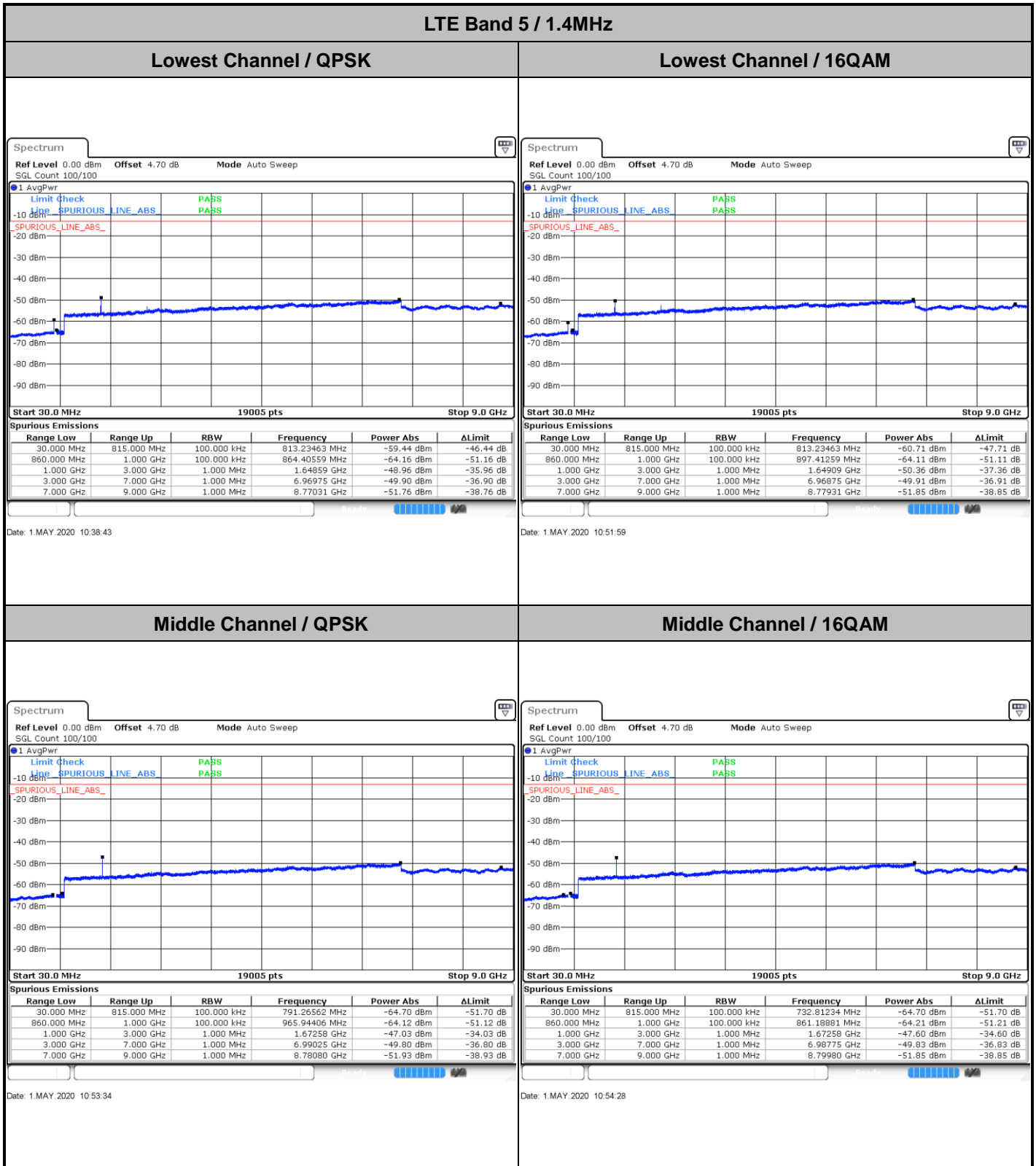


Highest Band Edge / Full RB





Conducted Spurious Emission

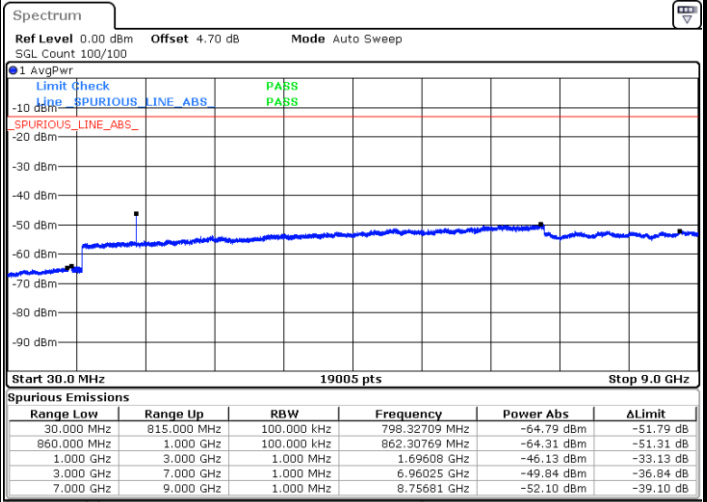
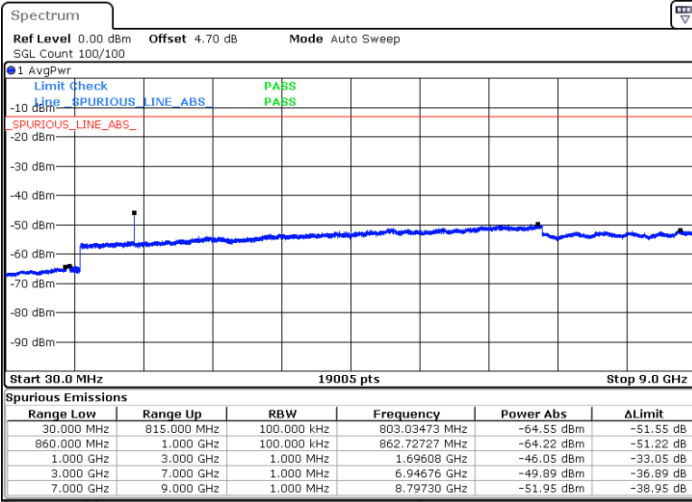




LTE Band 5 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



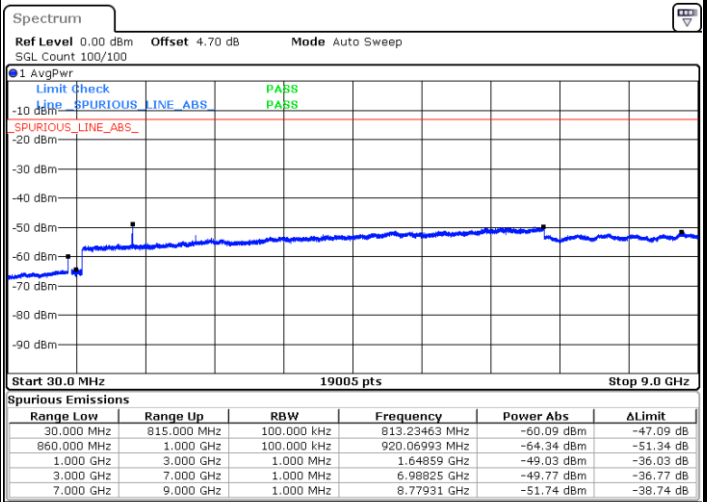
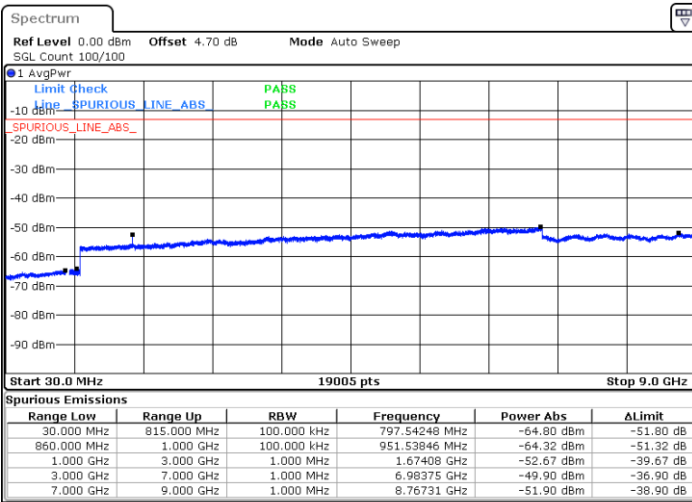
Date: 1.MAY.2020 11:02:33

Date: 1.MAY.2020 11:03:28

LTE Band 5 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 1.MAY.2020 11:16:48

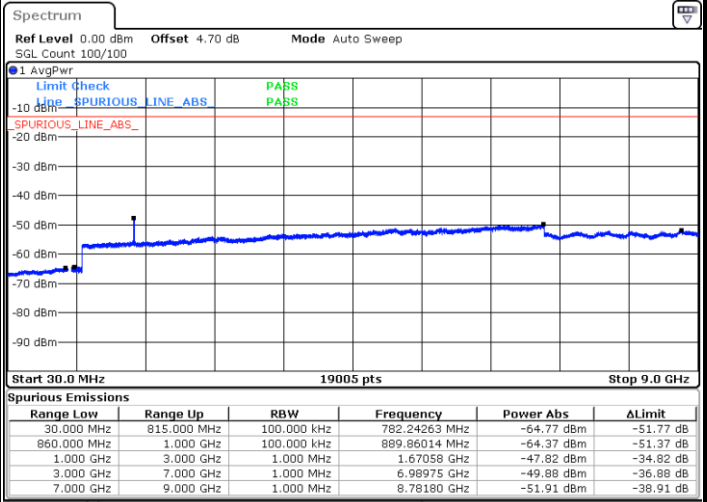
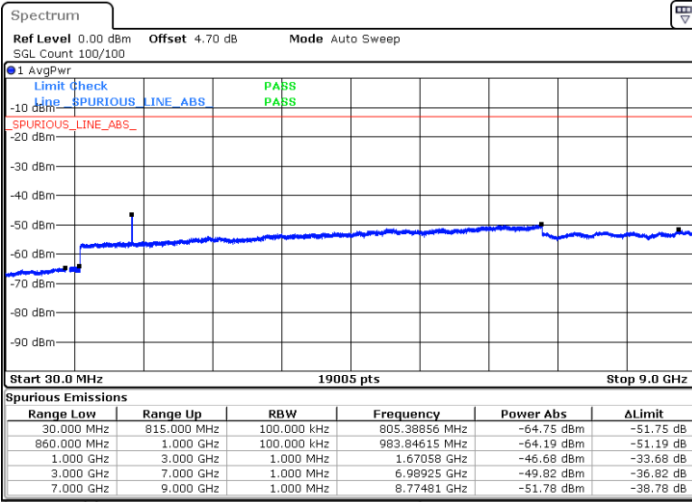
Date: 1.MAY.2020 11:17:42



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

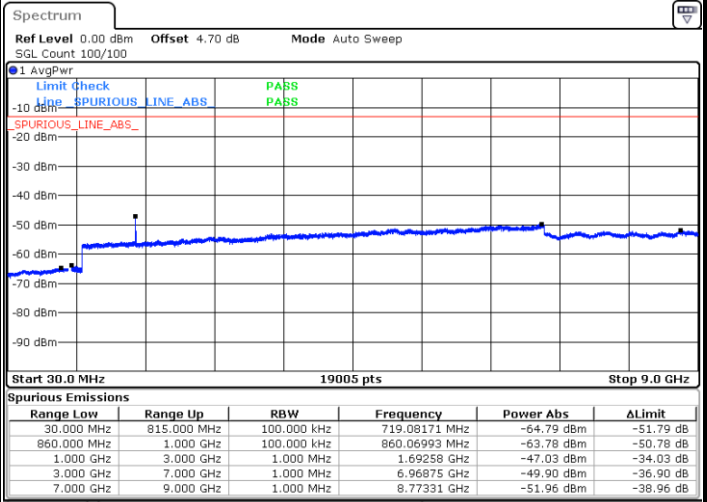
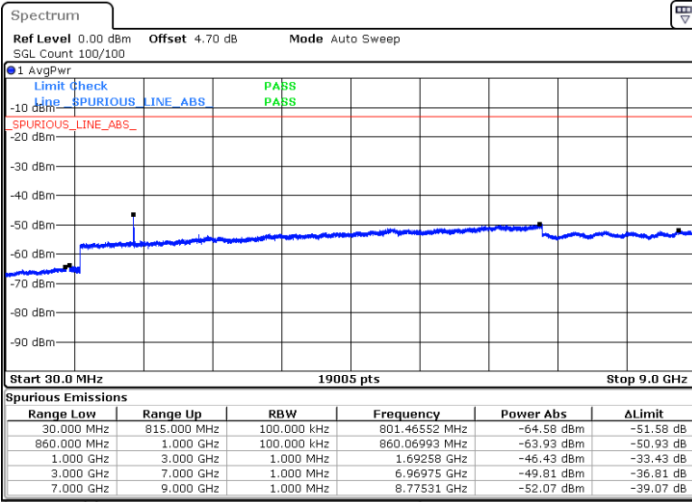


Date: 1.MAY.2020 11:19:17

Date: 1.MAY.2020 11:20:12

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 1.MAY.2020 11:28:16

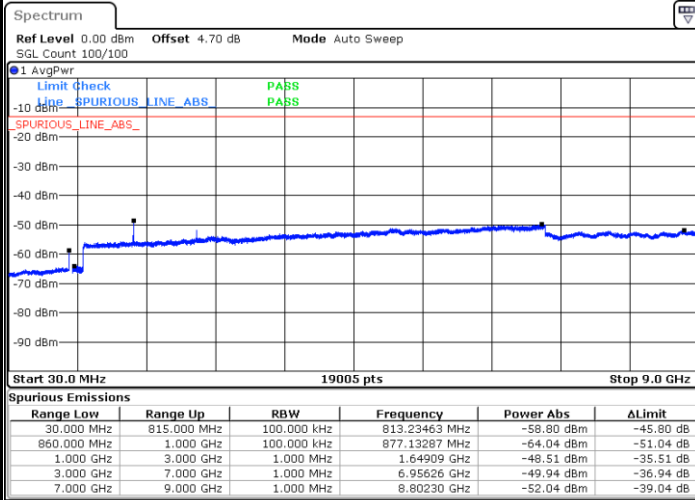
Date: 1.MAY.2020 11:31:36



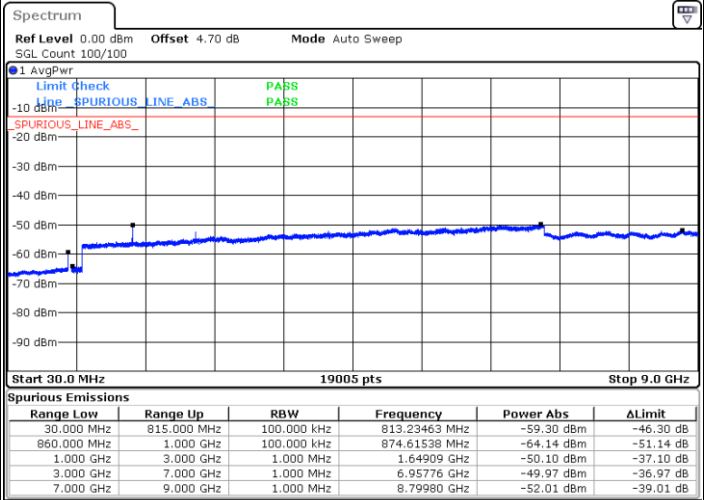
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



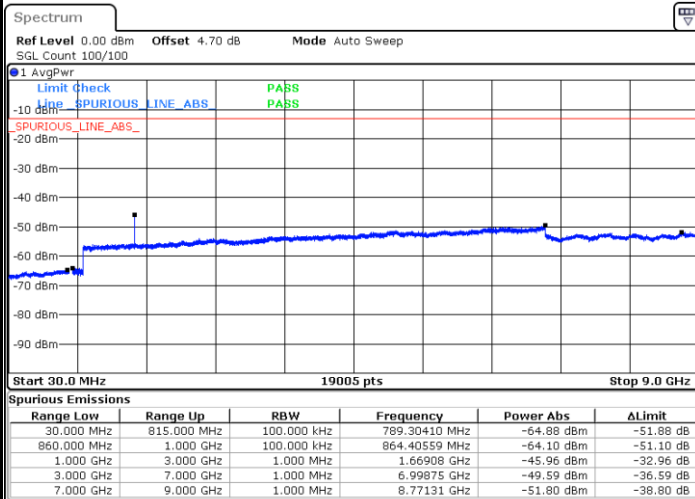
Date: 1.MAY.2020 11:39:40



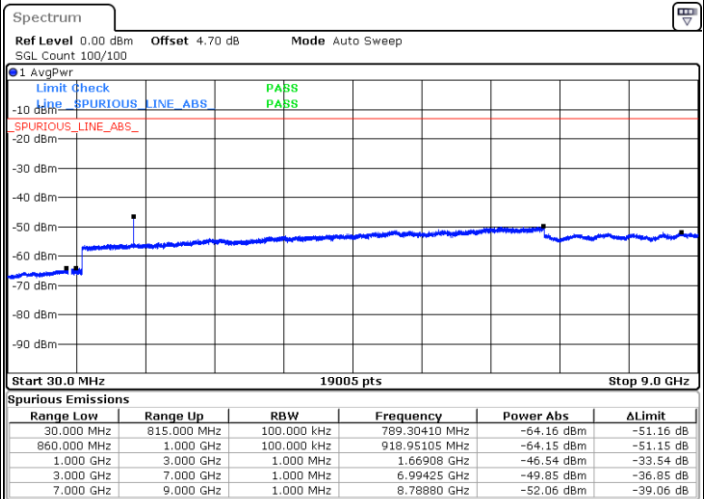
Date: 1.MAY.2020 11:40:35

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 1.MAY.2020 11:42:10

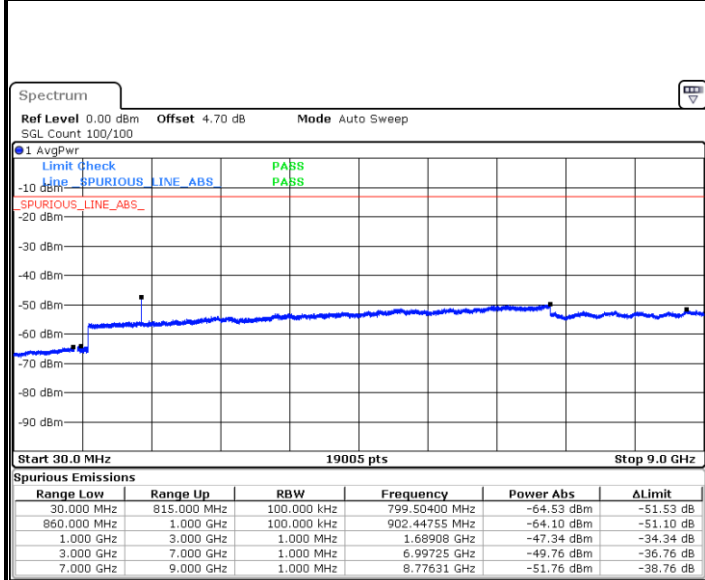


Date: 1.MAY.2020 11:43:04



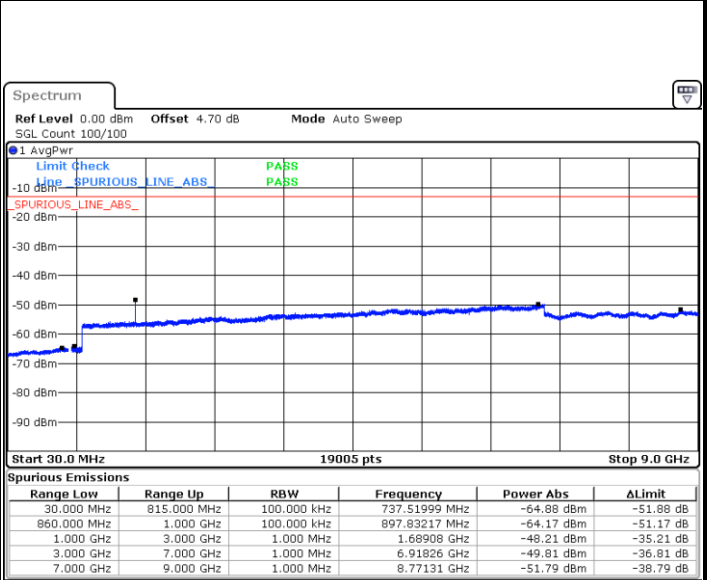
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 1.MAY.2020 11:52:55

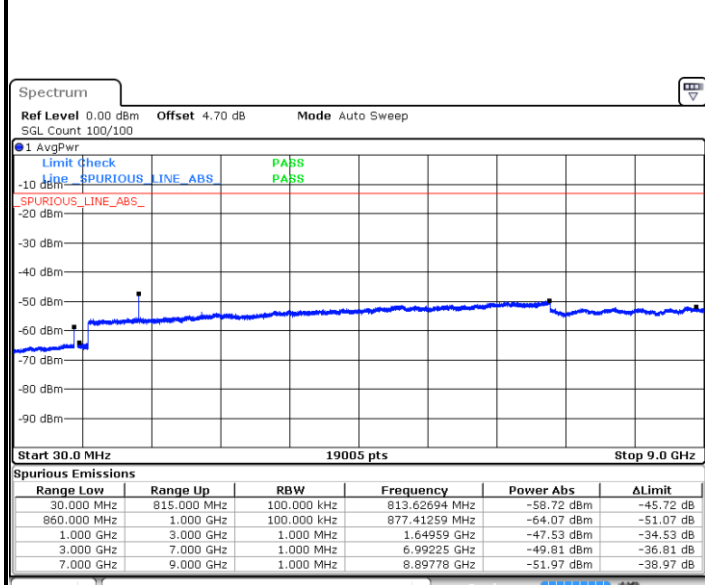
Highest Channel / 16QAM



Date: 1.MAY.2020 11:55:11

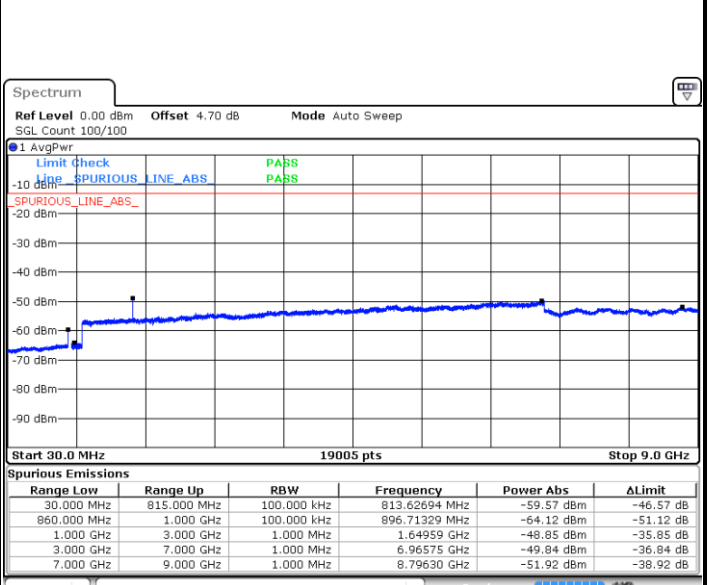
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 1.MAY.2020 12:04:25

Lowest Channel / 16QAM

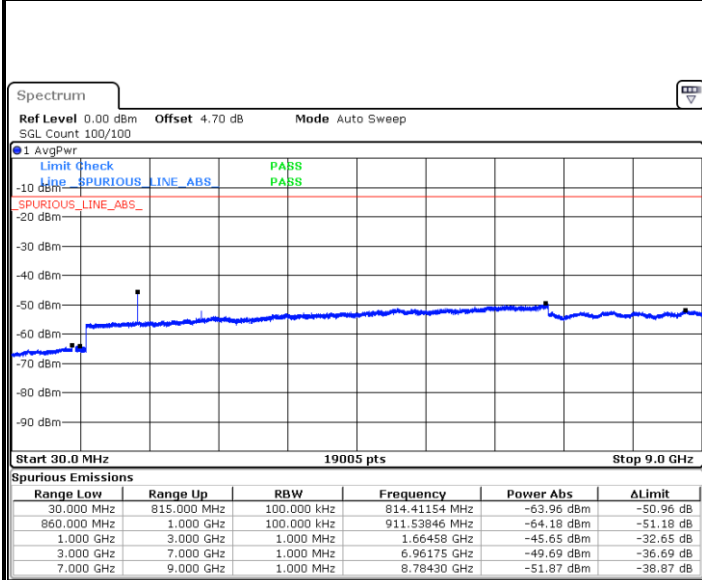


Date: 1.MAY.2020 12:05:19



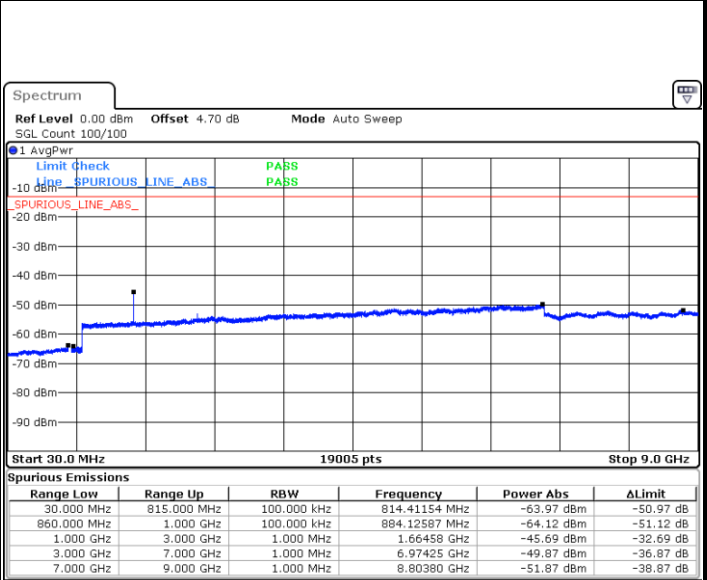
LTE Band 5 / 10MHz

Middle Channel / QPSK



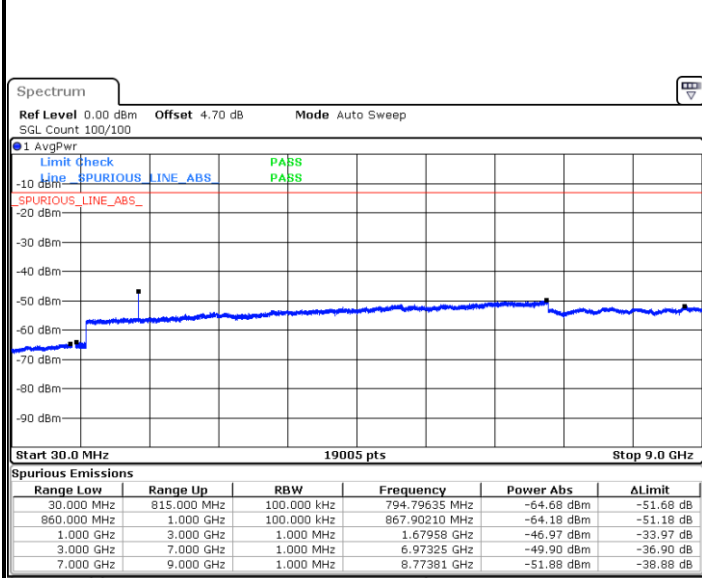
Date: 1.MAY.2020 12:06:54

Middle Channel / 16QAM



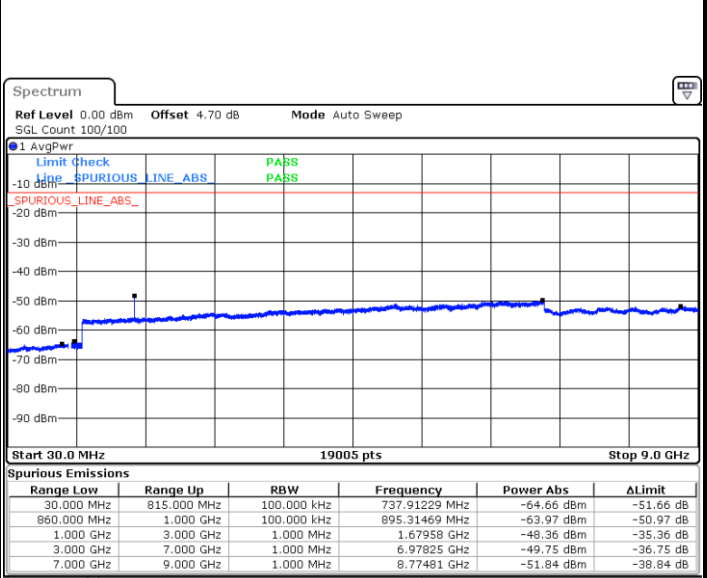
Date: 1.MAY.2020 12:07:49

Highest Channel / QPSK



Date: 1.MAY.2020 12:15:54

Highest Channel / 16QAM



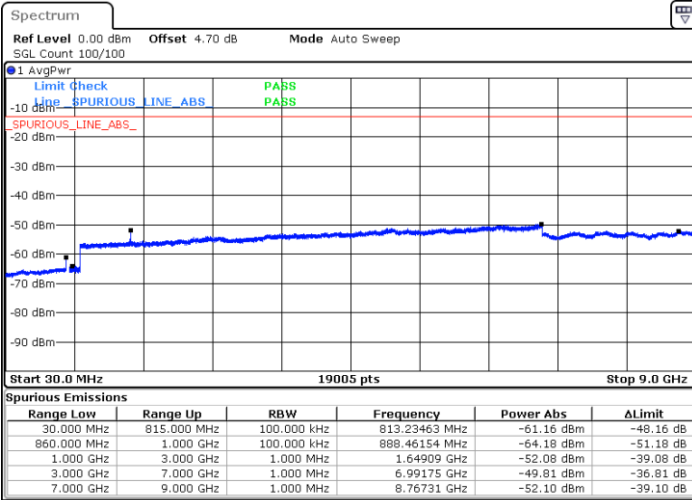
Date: 1.MAY.2020 12:16:48



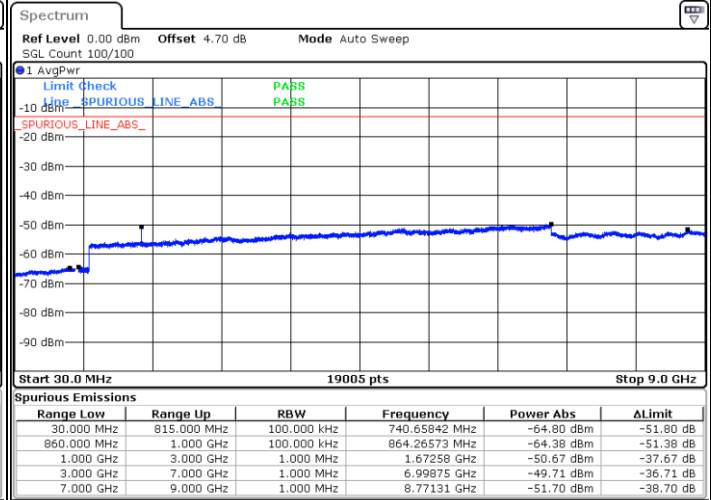
LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

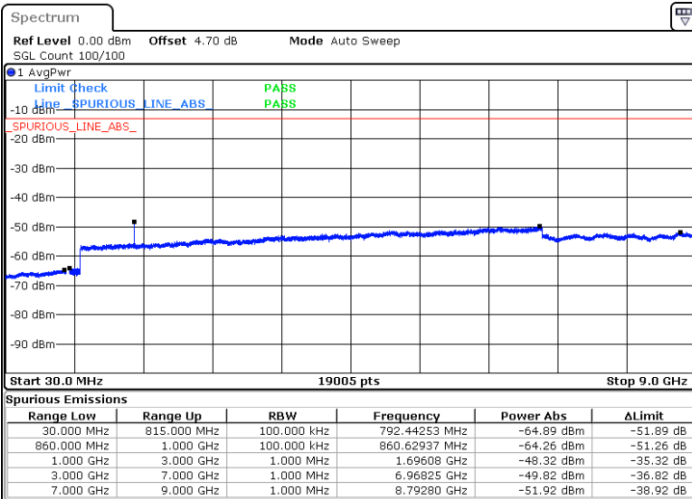


Date: 1.MAY.2020 12:22:27



Date: 1.MAY.2020 12:23:21

Highest Channel / 64QAM



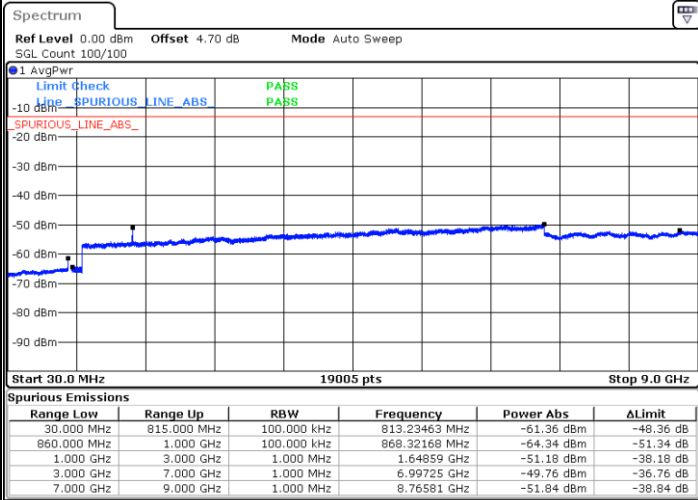
Date: 1.MAY.2020 12:30:14



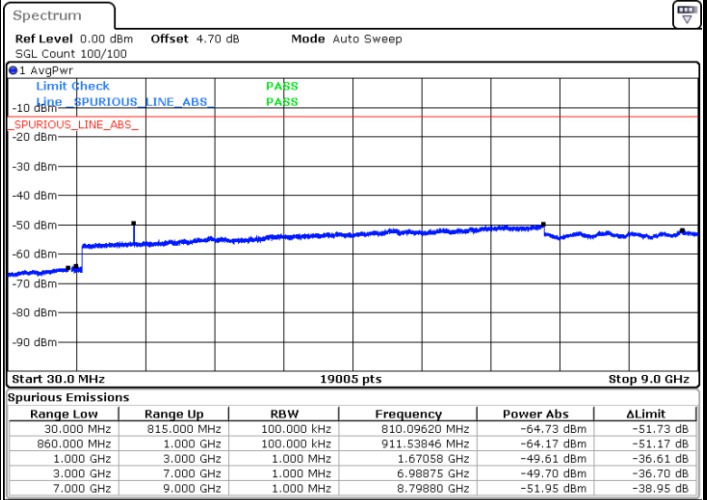
LTE Band 5 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

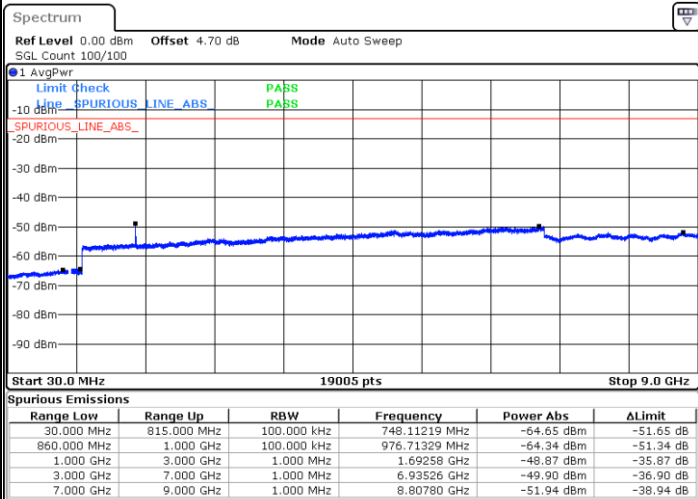


Date: 1.MAY.2020 12:36:27



Date: 1.MAY.2020 12:47:44

Highest Channel / 64QAM



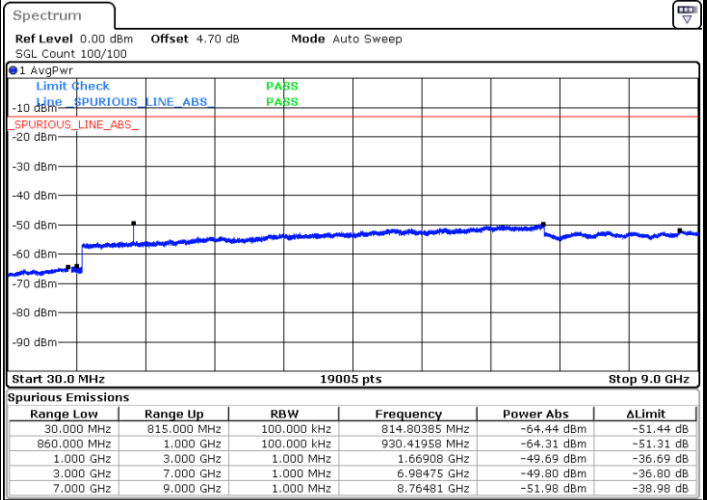
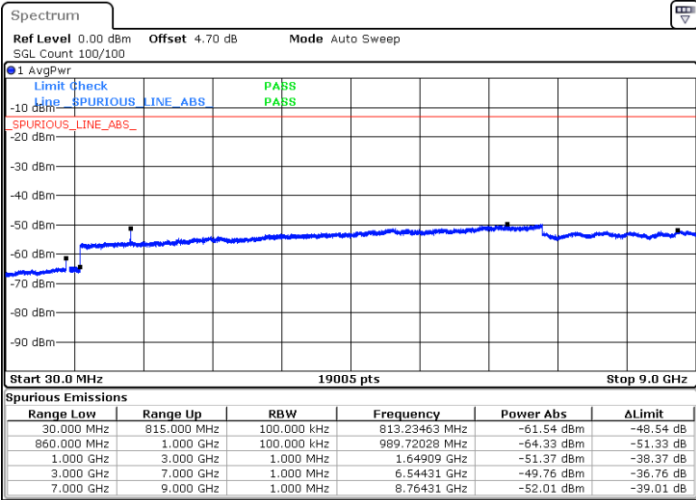
Date: 1.MAY.2020 12:52:54



LTE Band 5 / 5MHz

Lowest Channel / 64QAM

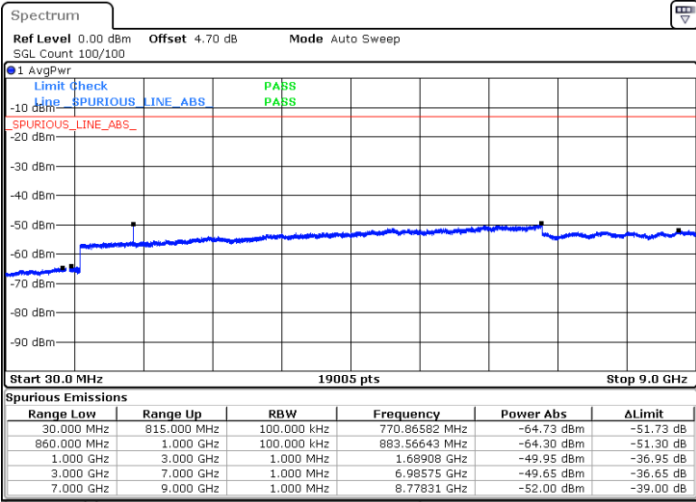
Middle Channel / 64QAM



Date: 1.MAY.2020 12:59:57

Date: 1.MAY.2020 13:00:51

Highest Channel / 64QAM



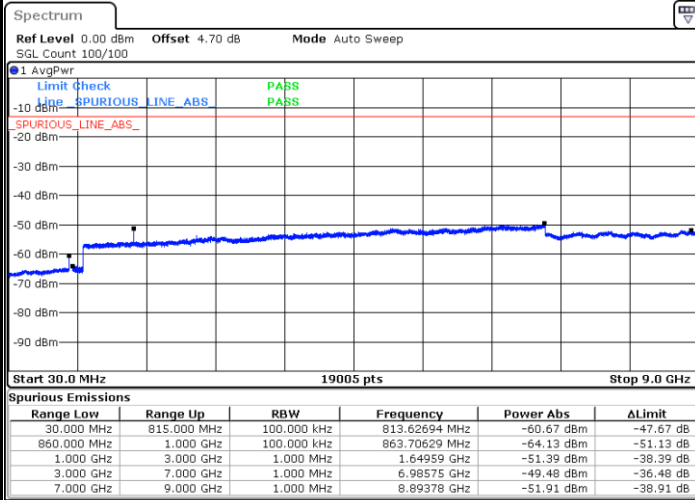
Date: 1.MAY.2020 13:07:08



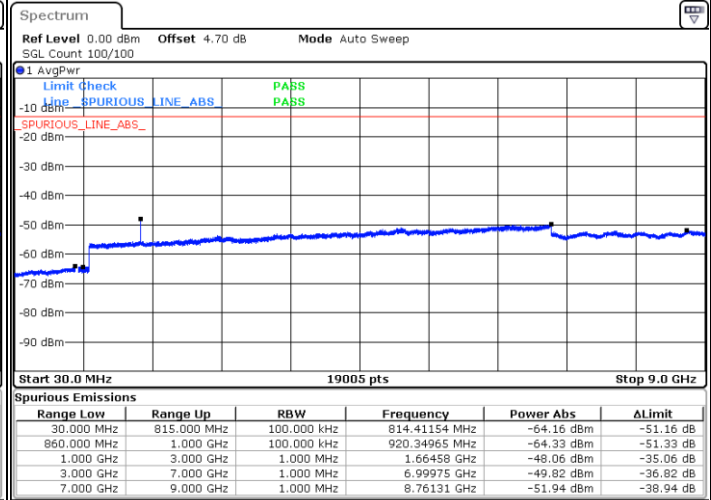
LTE Band 5 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

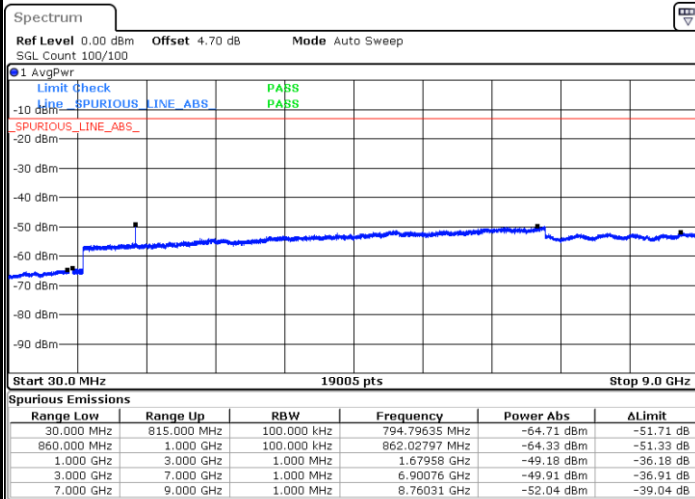


Date: 1.MAY.2020 13:11:38



Date: 1.MAY.2020 13:12:32

Highest Channel / 64QAM



Date: 1.MAY.2020 13:17:22



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	0.0050	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0056	
0	Normal Voltage	0.0059	
-10	Normal Voltage	0.0051	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0051	
20	Normal Voltage	0.0060	
20	Battery End Point	0.0012	

Note: Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.



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	3.62	4.70	5.13	5.71	PASS
Middle CH	4.06	4.70	4.84	5.68	
Highest CH	3.07	4.70	4.72	5.62	
Mode	LTE Band 7 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.07	5.68	-	-	PASS
Middle CH	5.22	5.65	-	-	
Highest CH	4.78	5.62	-	-	