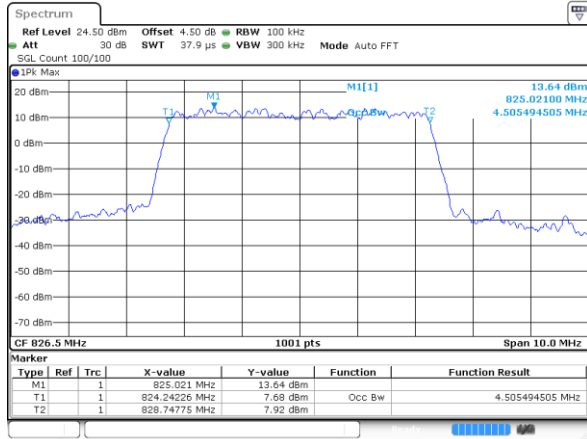


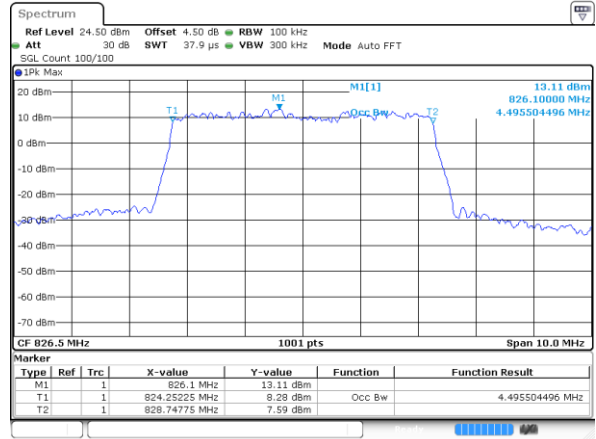


LTE Band 5

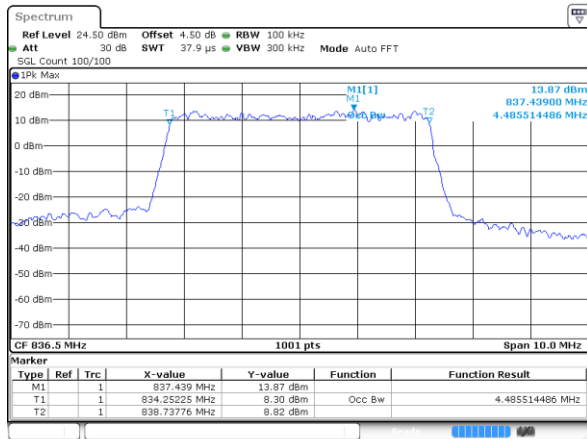
Lowest Channel / 5MHz / QPSK



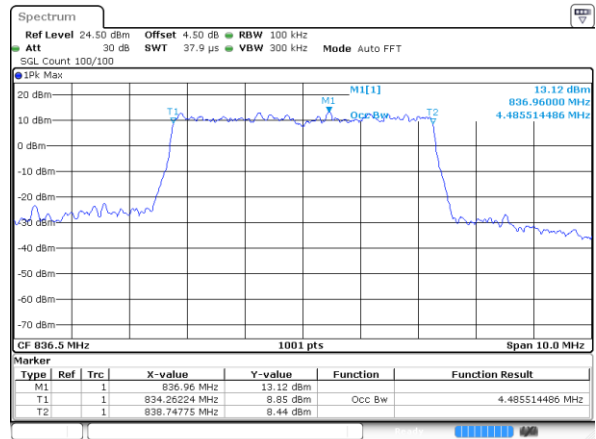
Lowest Channel / 5MHz / 16QAM



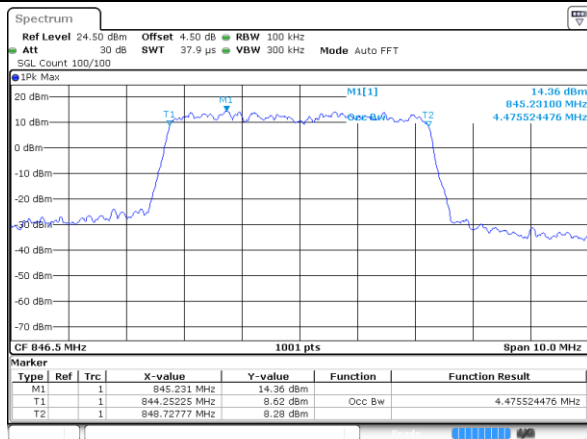
Middle Channel / 5MHz / QPSK



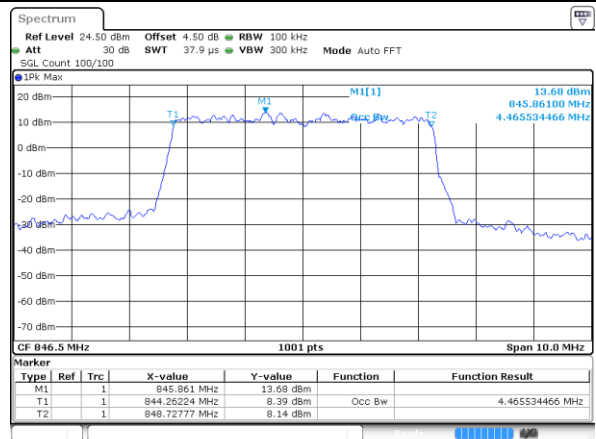
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



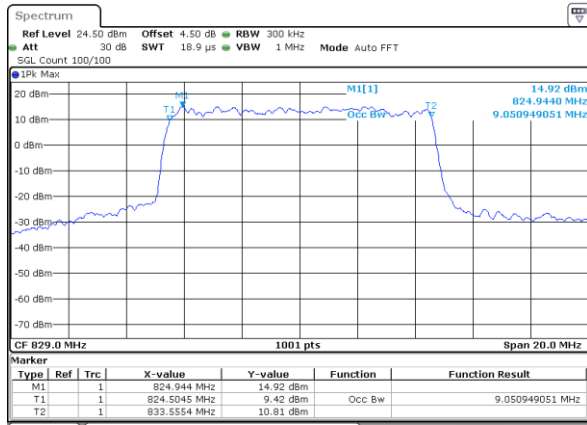
Highest Channel / 5MHz / 16QAM





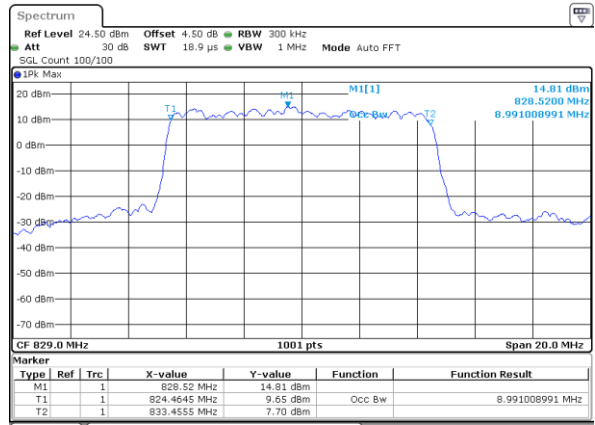
LTE Band 5

Lowest Channel / 10MHz / QPSK



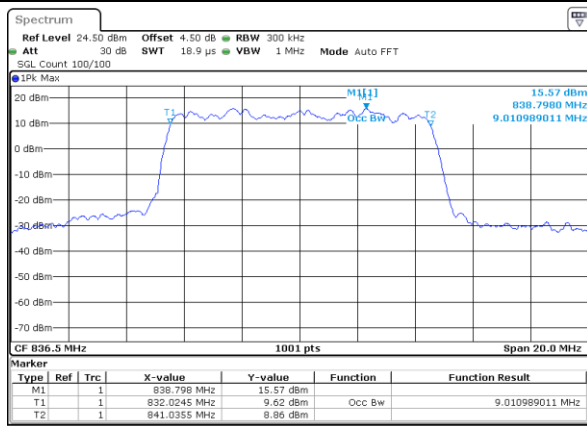
Date: 24.OCT.2019 19:38:26

Lowest Channel / 10MHz / 16QAM



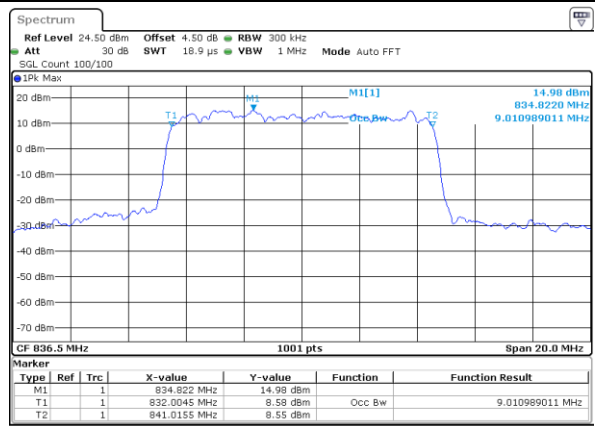
Date: 24.OCT.2019 19:38:36

Middle Channel / 10MHz / QPSK



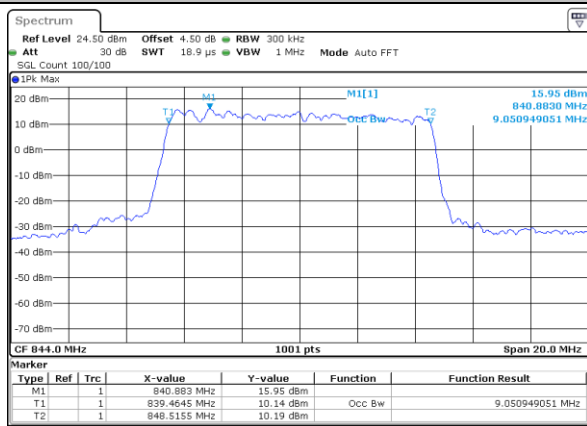
Date: 24.OCT.2019 19:47:27

Middle Channel / 10MHz / 16QAM



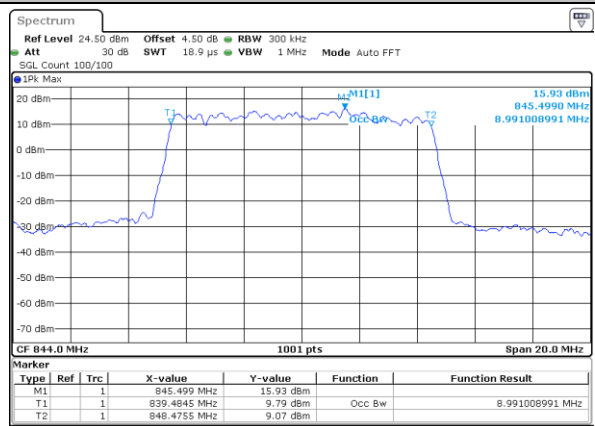
Date: 24.OCT.2019 19:47:37

Highest Channel / 10MHz / QPSK



Date: 24.OCT.2019 19:49:54

Highest Channel / 10MHz / 16QAM

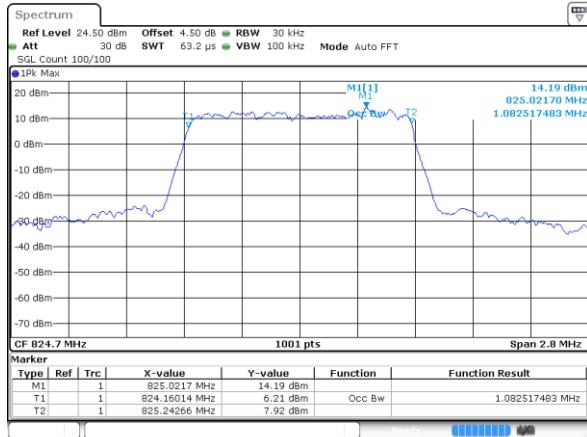


Date: 24.OCT.2019 19:50:04

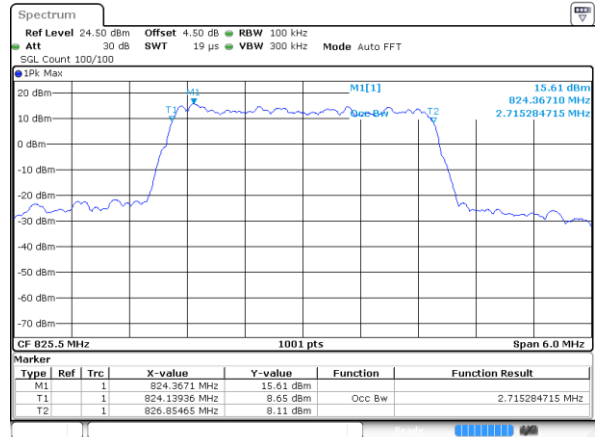


LTE Band 5

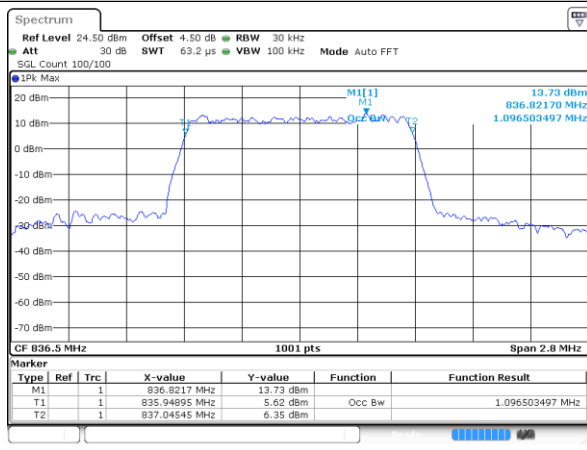
Lowest Channel / 1.4MHz / 64QAM



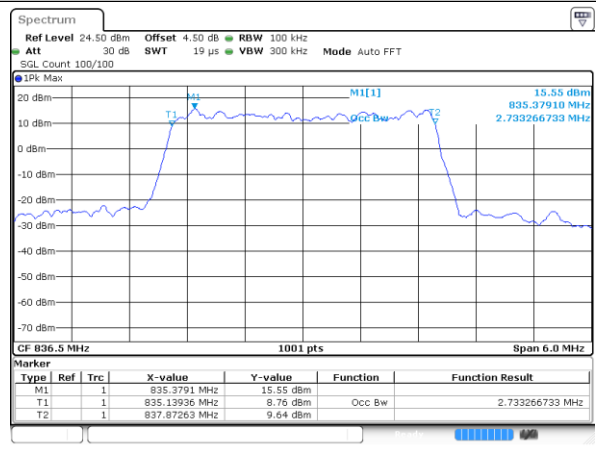
Lowest Channel / 3MHz / 64QAM



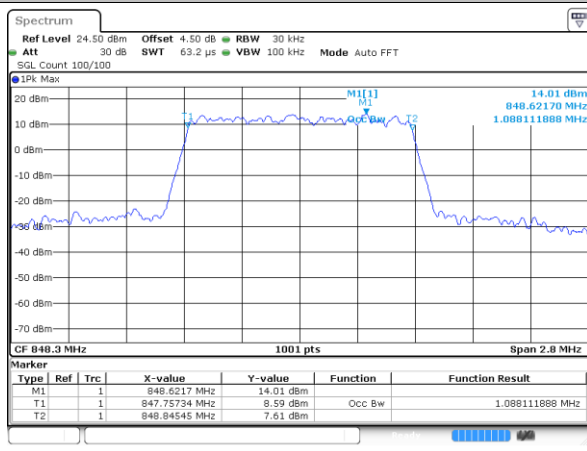
Middle Channel / 1.4MHz / 64QAM



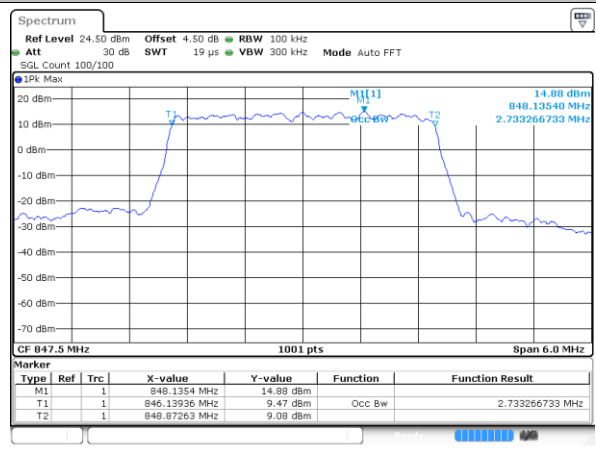
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



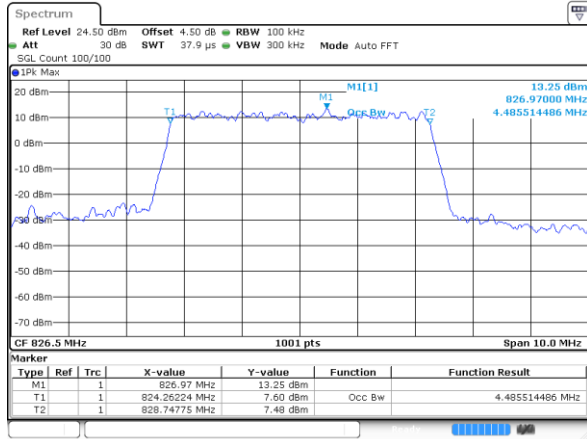
Highest Channel / 3MHz / 64QAM



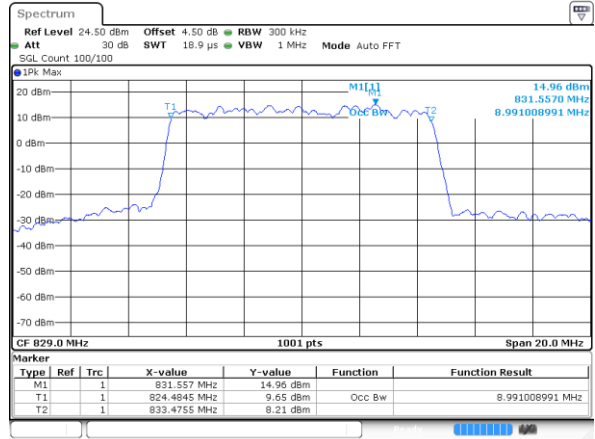


LTE Band 5

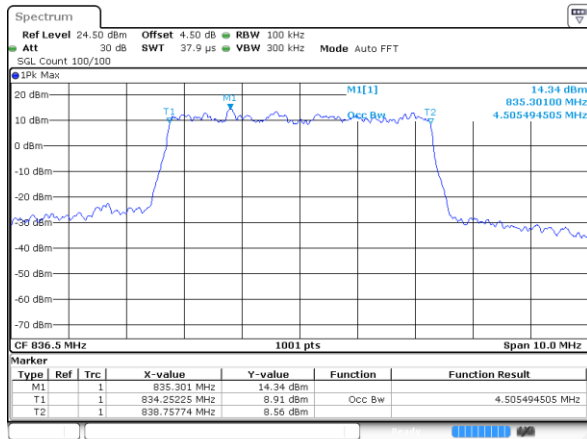
Lowest Channel / 5MHz / 64QAM



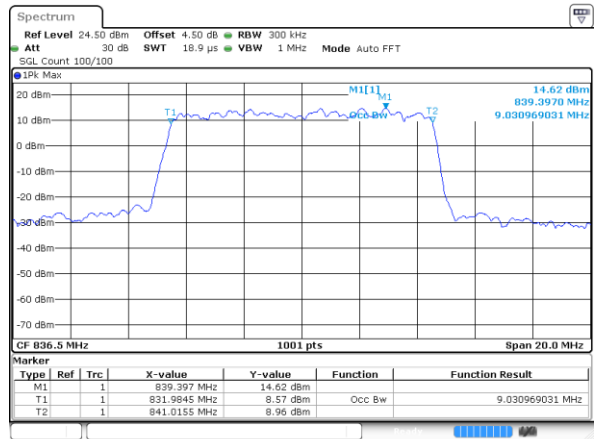
Lowest Channel / 10MHz / 64QAM



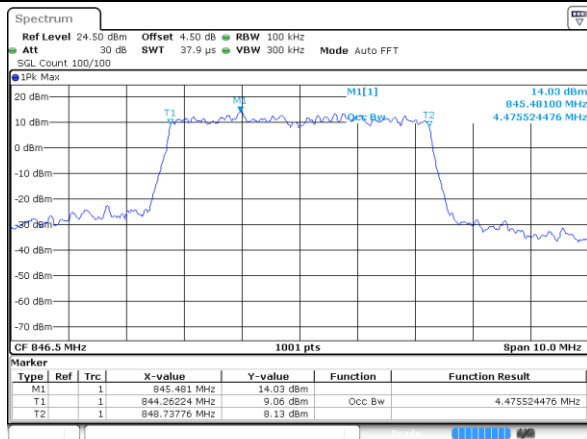
Middle Channel / 5MHz / 64QAM



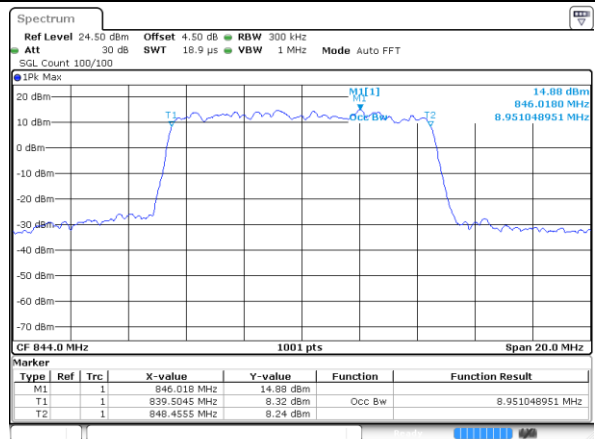
Middle Channel / 10MHz / 64QAM

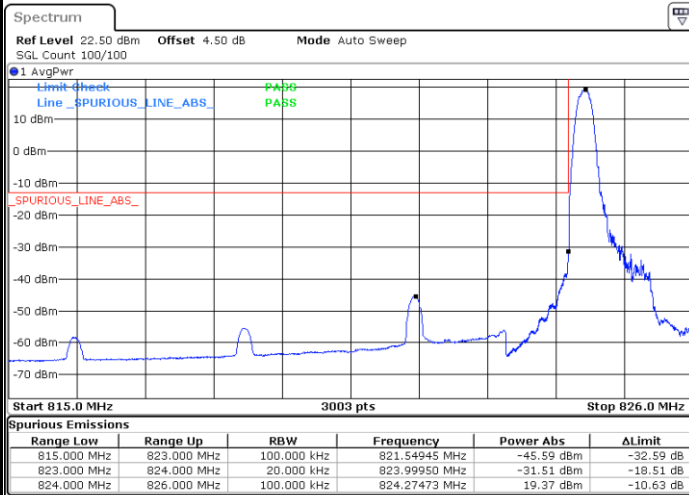


Highest Channel / 5MHz / 64QAM

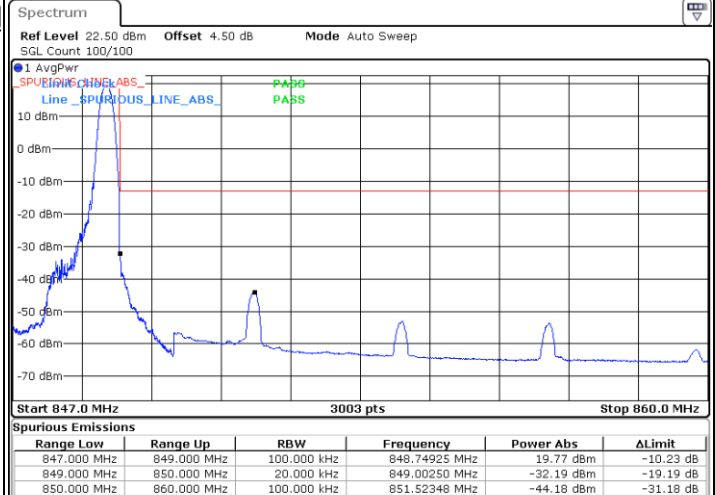


Highest Channel / 10MHz / 64QAM

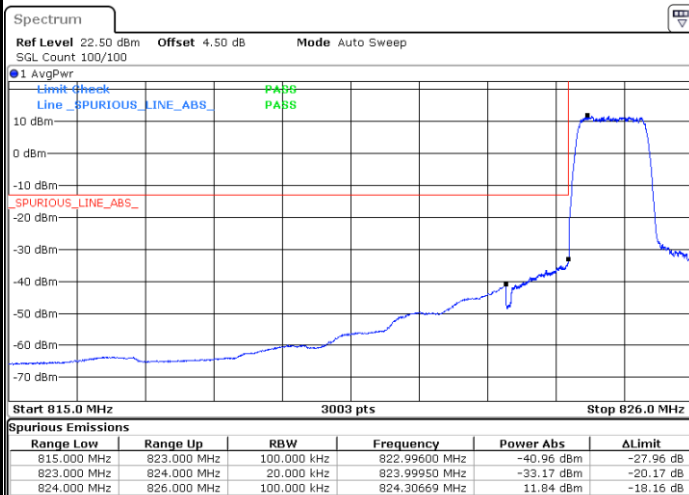


**Conducted Band Edge****LTE Band 5 / 1.4MHz / QPSK****Lowest Band Edge / 1RB**

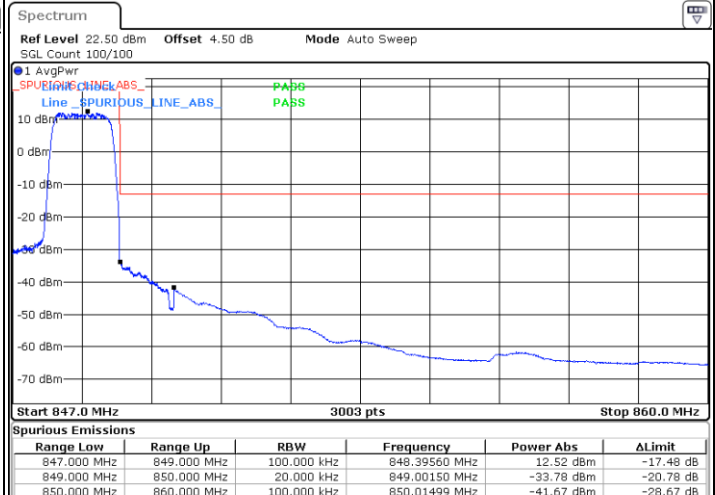
Date: 24.OCT.2019 19:07:04

Highest Band Edge / 1RB

Date: 24.OCT.2019 19:21:49

Lowest Band Edge / Full RB

Date: 24.OCT.2019 19:10:21

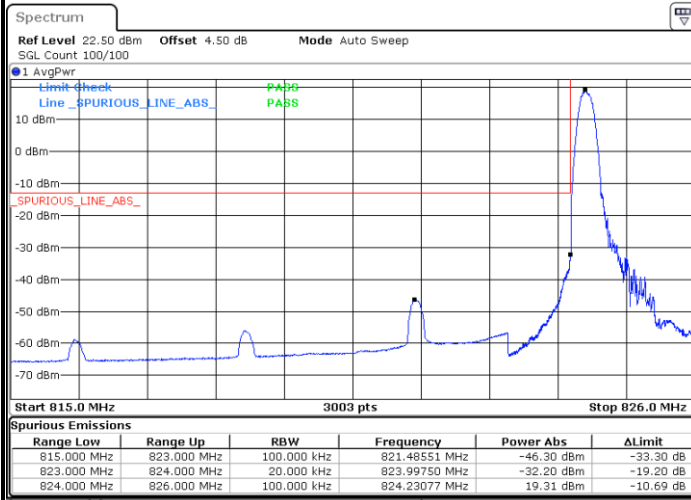
Highest Band Edge / Full RB

Date: 24.OCT.2019 19:18:32



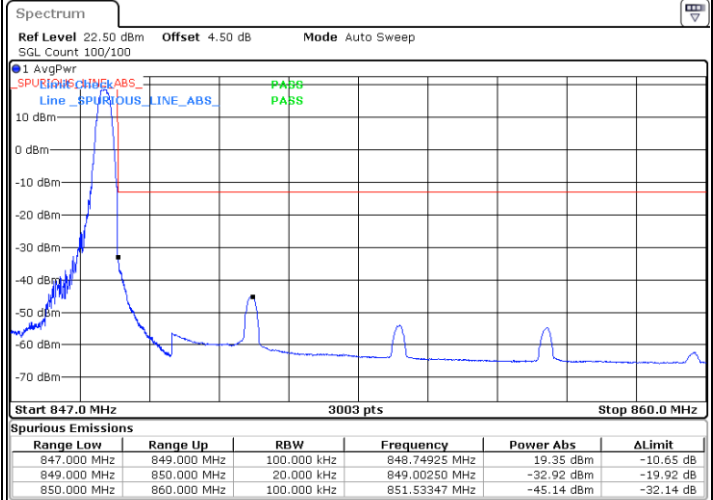
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



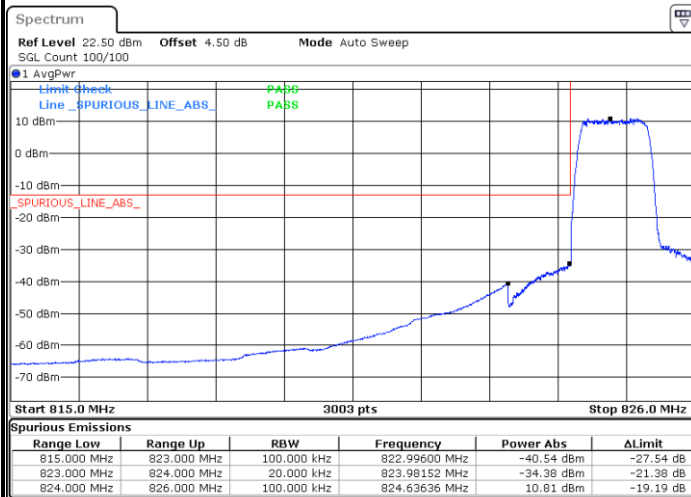
Date: 24.OCT.2019 19:08:42

Highest Band Edge / 1 RB



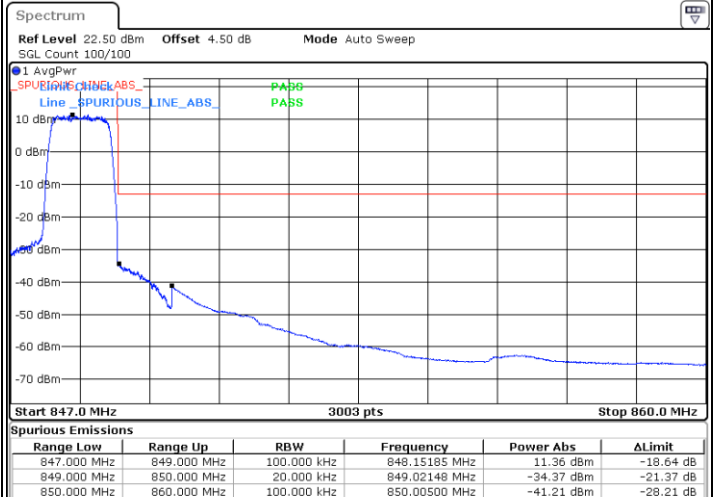
Date: 24.OCT.2019 19:23:28

Lowest Band Edge / Full RB



Date: 24.OCT.2019 19:11:59

Highest Band Edge / Full RB

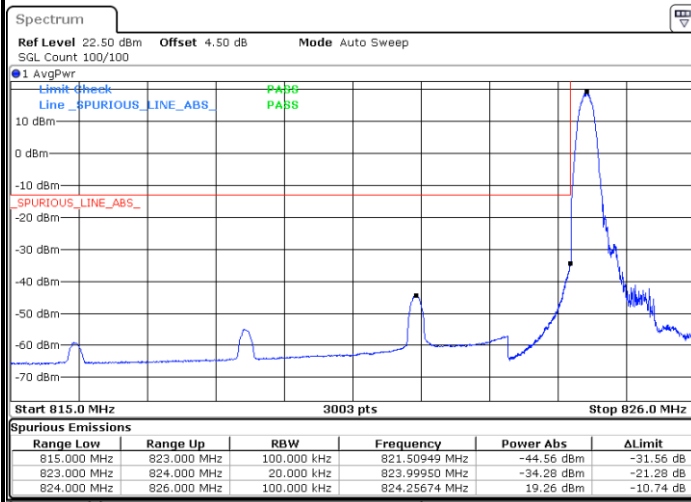


Date: 24.OCT.2019 19:20:10

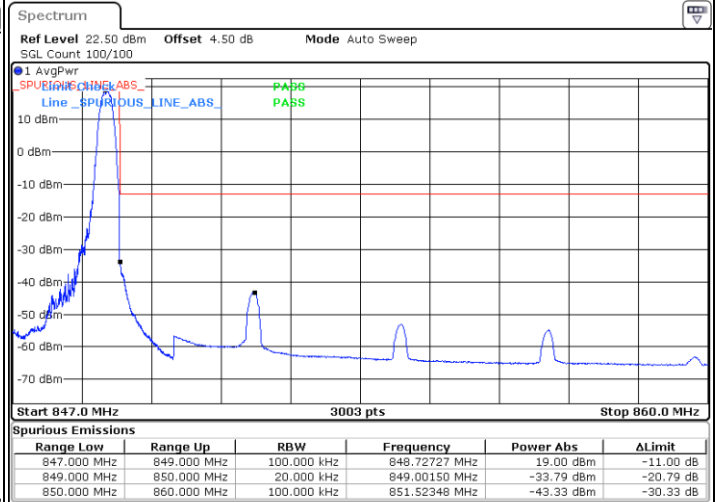


LTE Band 5 / 1.4MHz / 64QAM

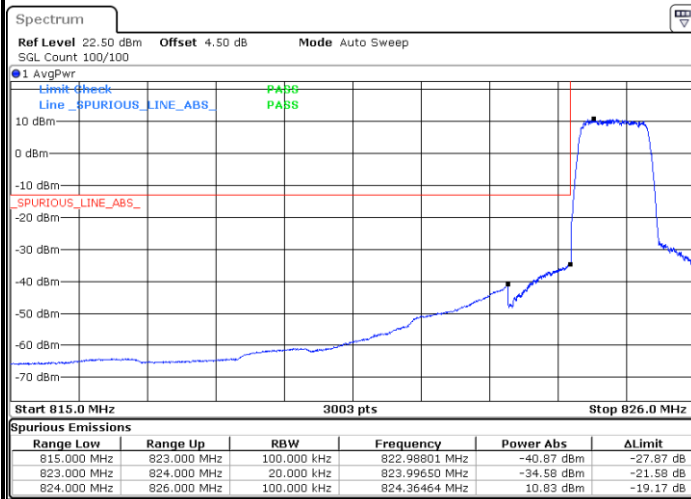
Lowest Band Edge / 1 RB



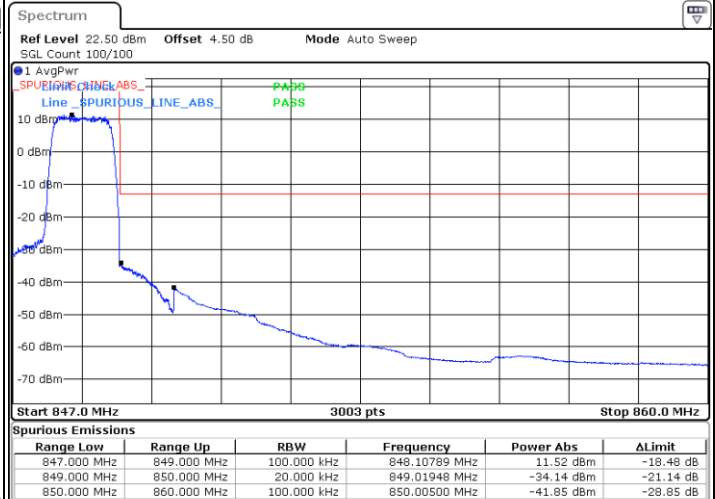
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



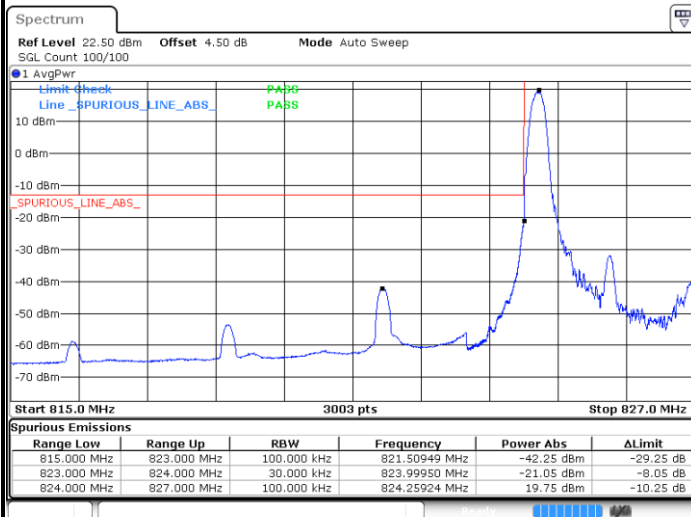
Highest Band Edge / Full RB



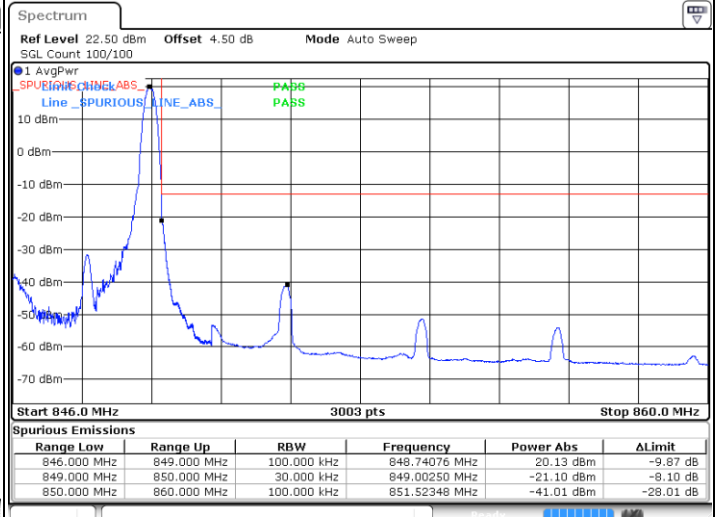


LTE Band 5 / 3MHz / QPSK

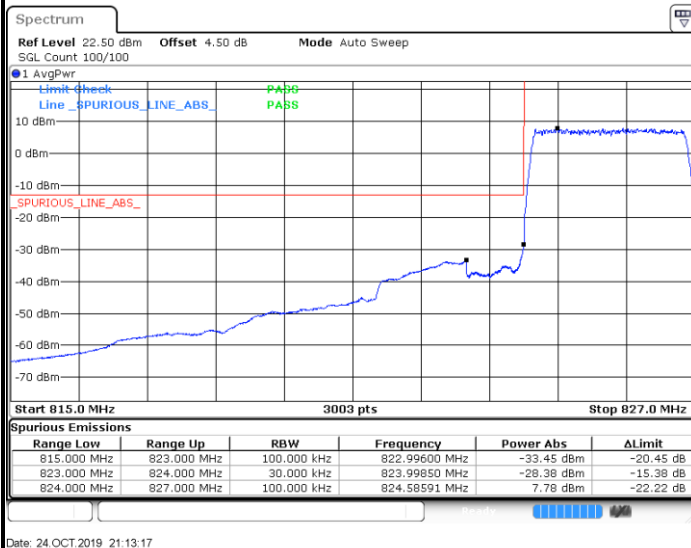
Lowest Band Edge / 1RB



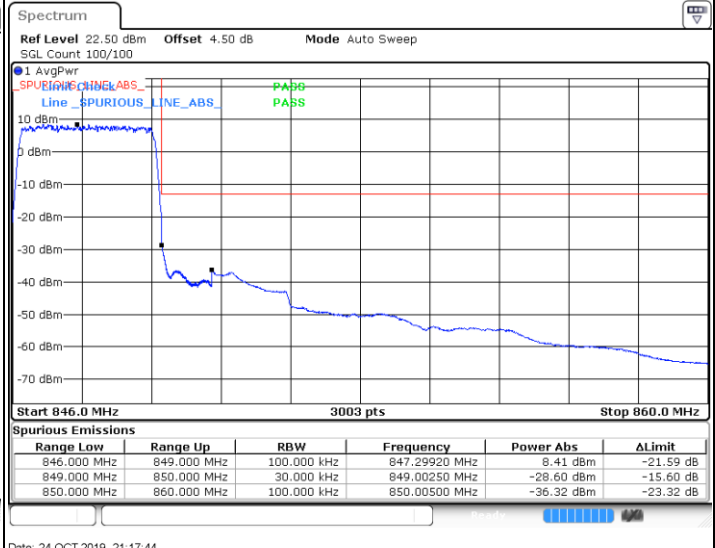
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



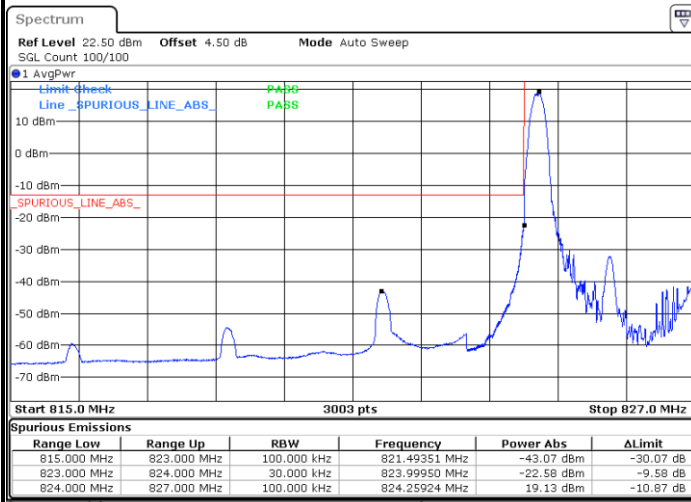
Highest Band Edge / Full RB



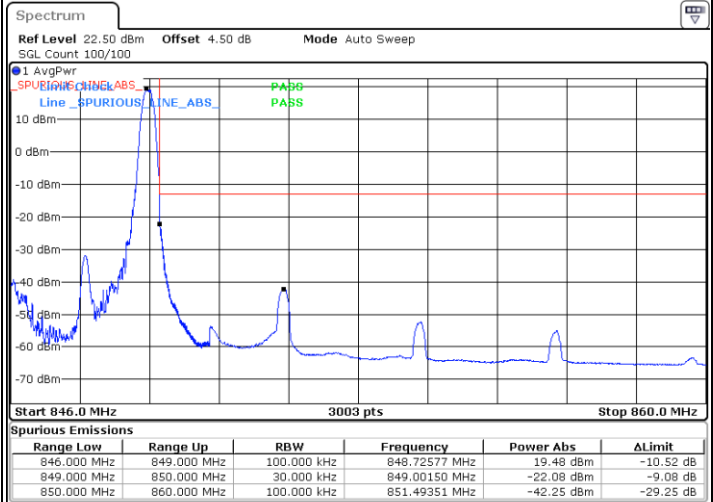


LTE Band 5 / 3MHz / 16QAM

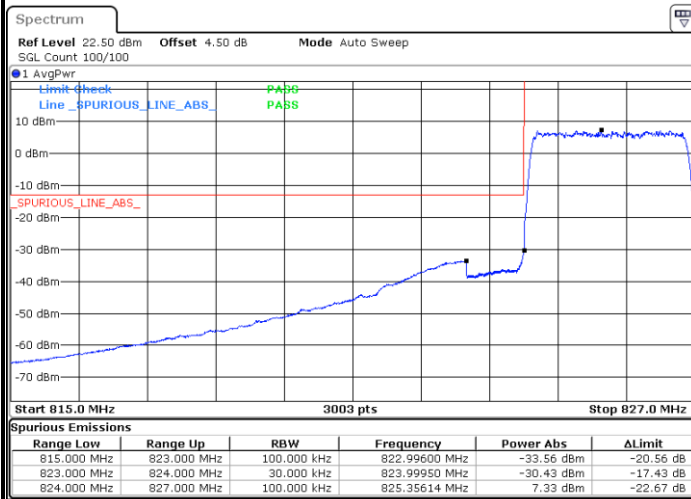
Lowest Band Edge / 1 RB



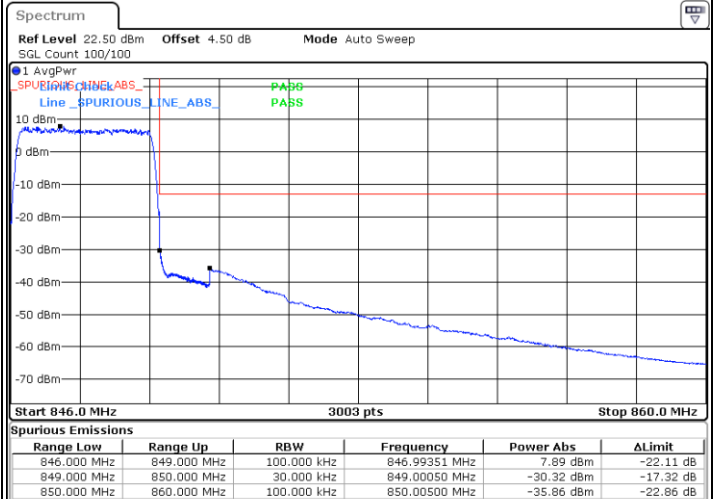
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



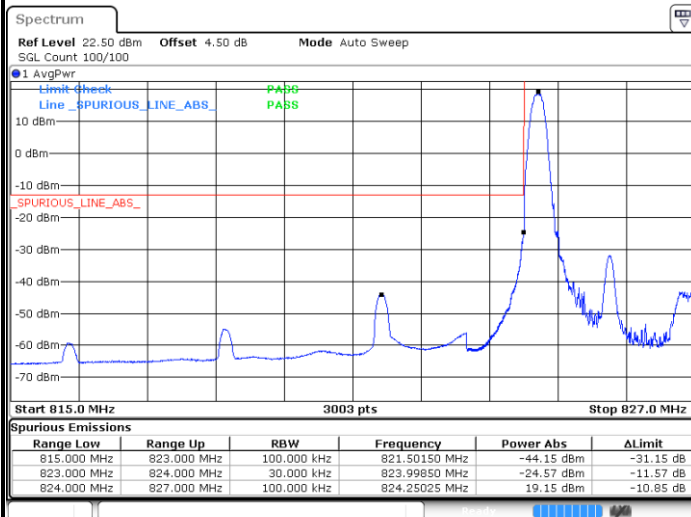
Highest Band Edge / Full RB



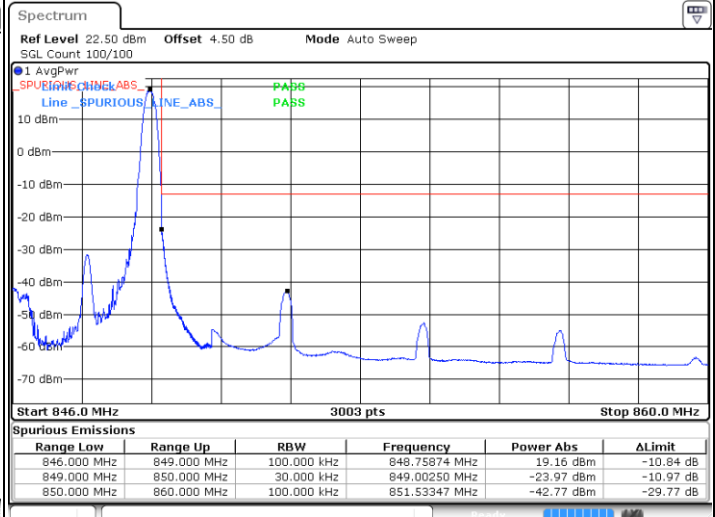


LTE Band 5 / 3MHz / 64QAM

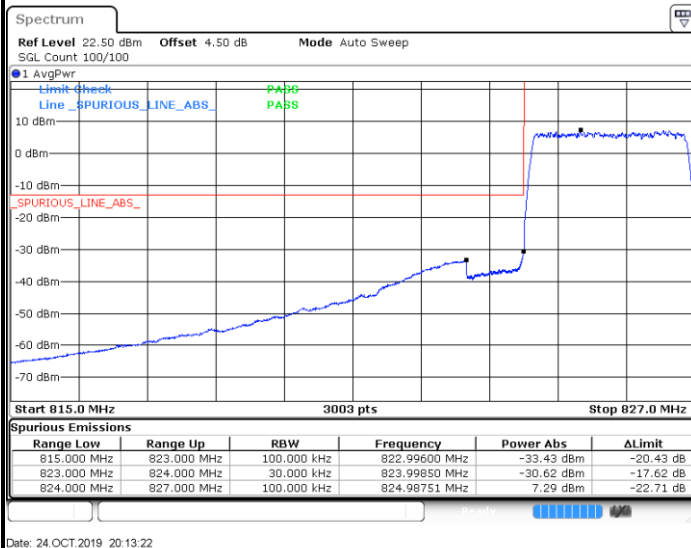
Lowest Band Edge / 1 RB



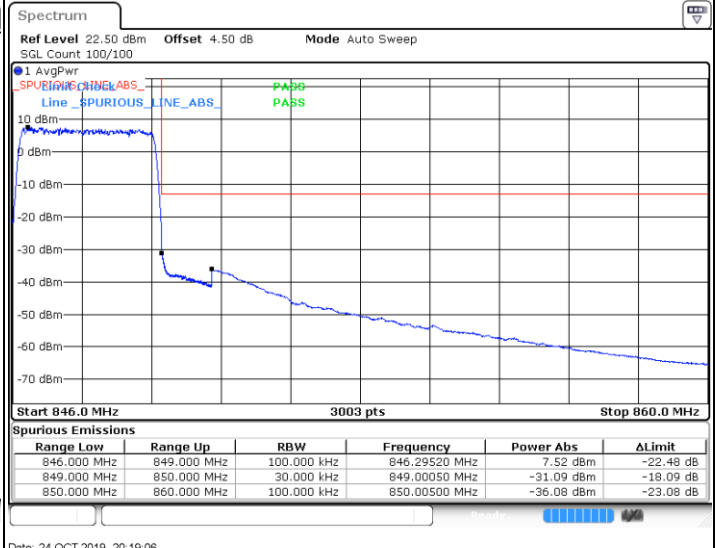
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



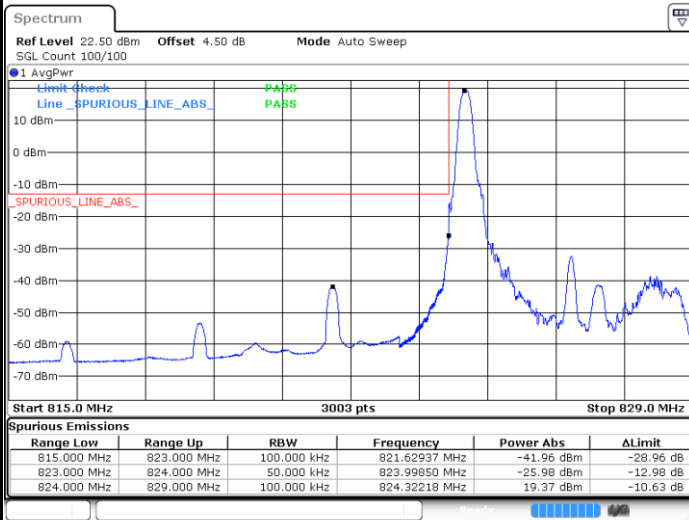
Highest Band Edge / Full RB



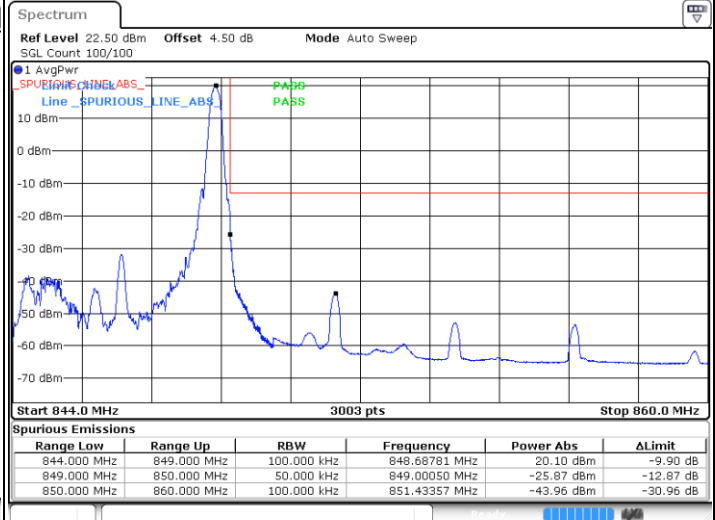


LTE Band 5 / 5MHz / QPSK

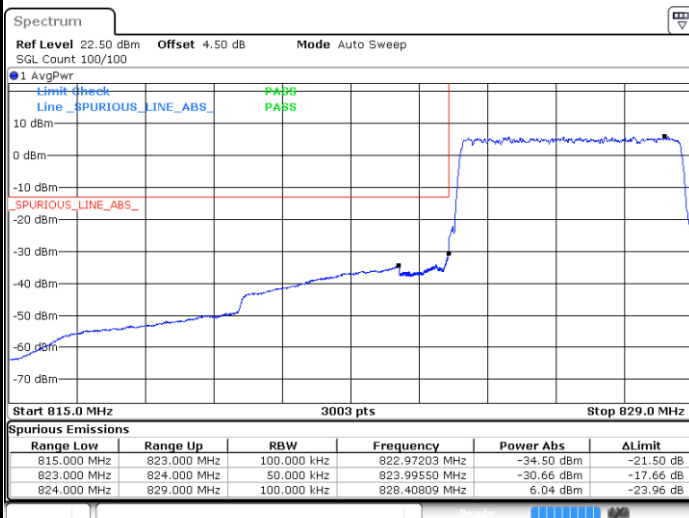
Lowest Band Edge / 1 RB



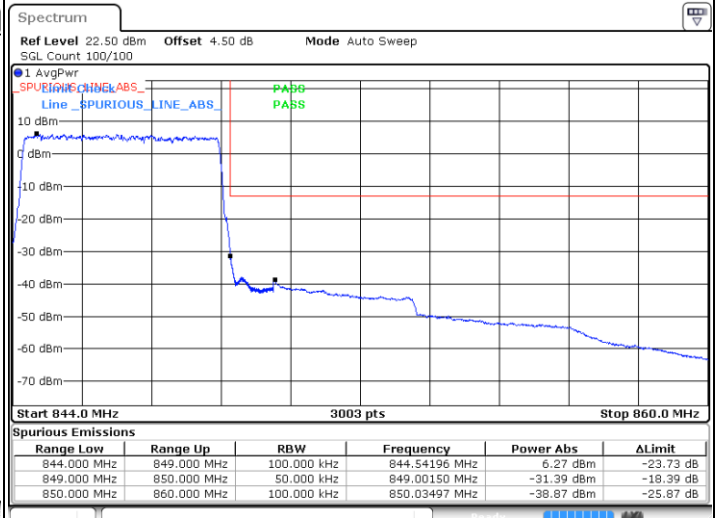
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



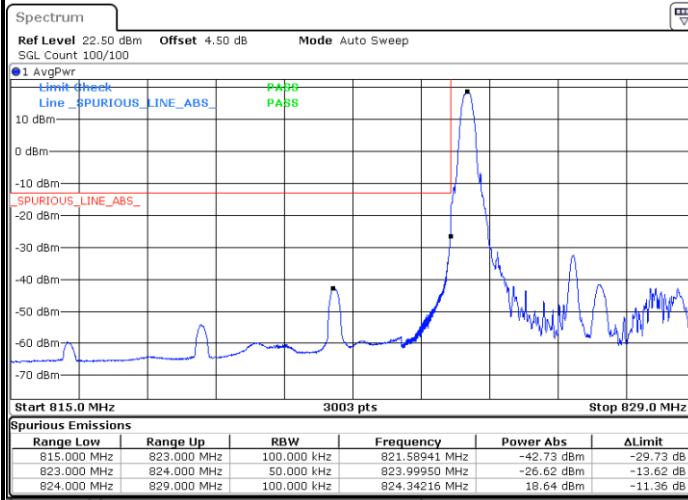
Highest Band Edge / Full RB



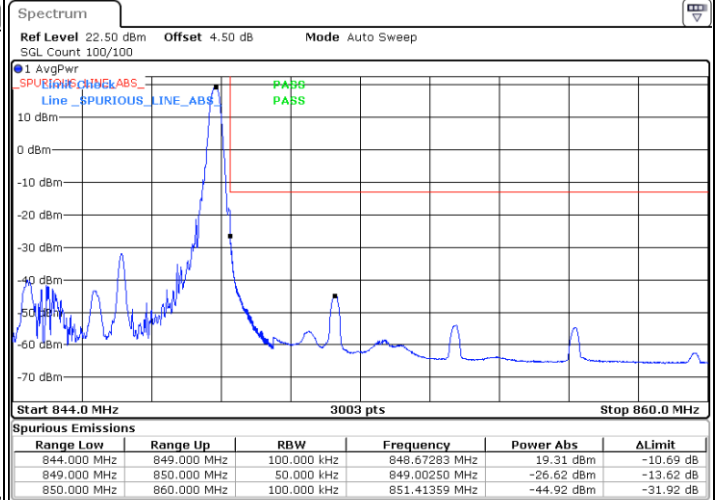


LTE Band 5 / 5MHz / 16QAM

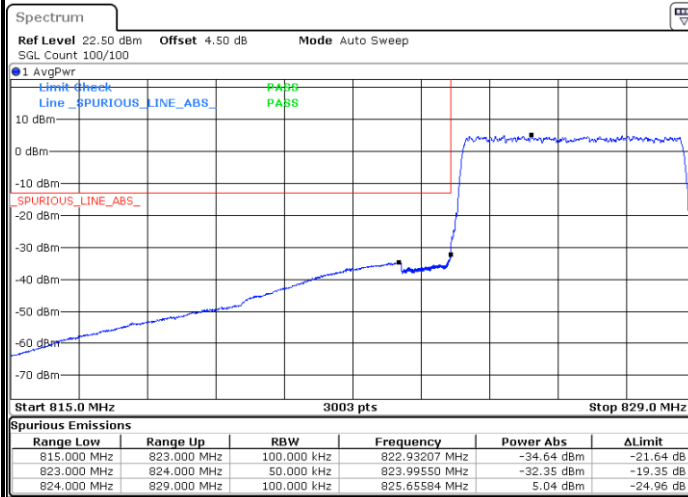
Lowest Band Edge / 1RB



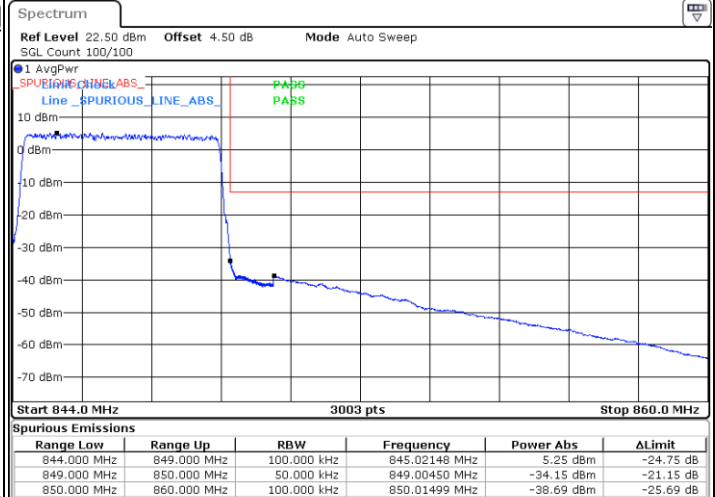
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



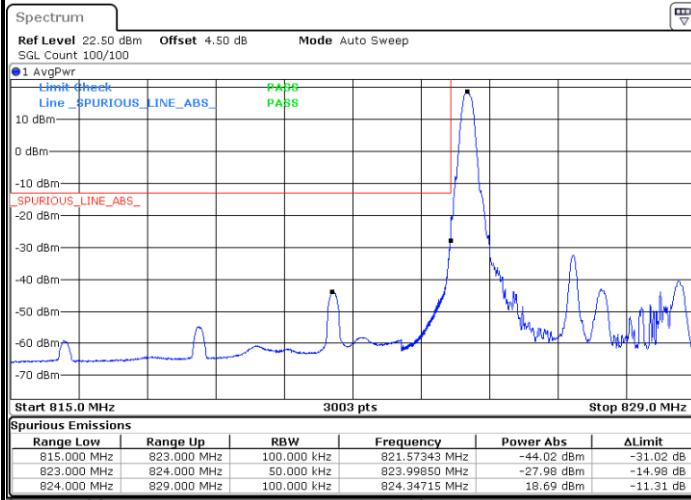
Highest Band Edge / Full RB



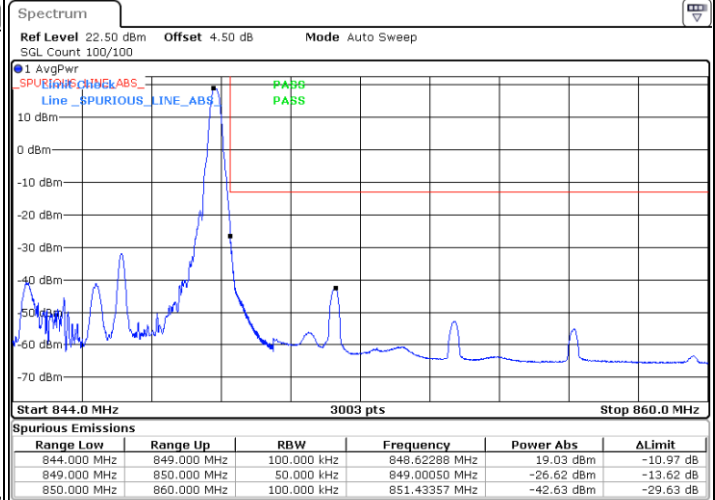


LTE Band 5 / 5MHz / 64QAM

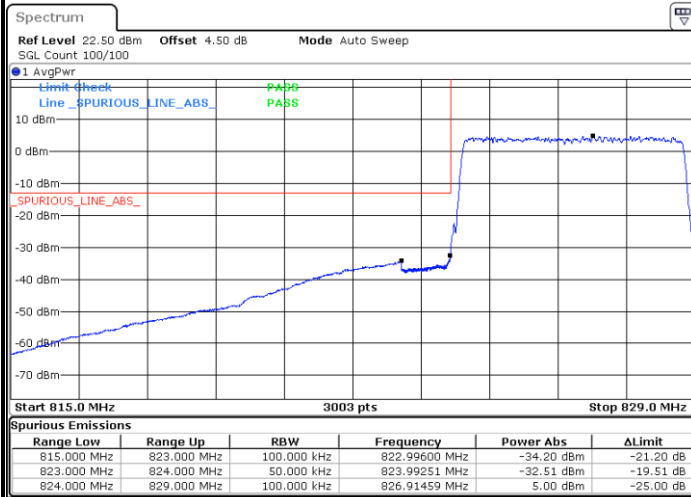
Lowest Band Edge / 1RB



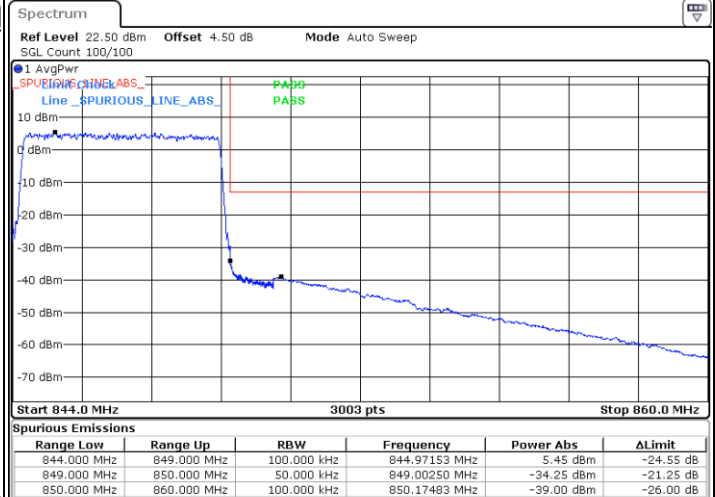
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



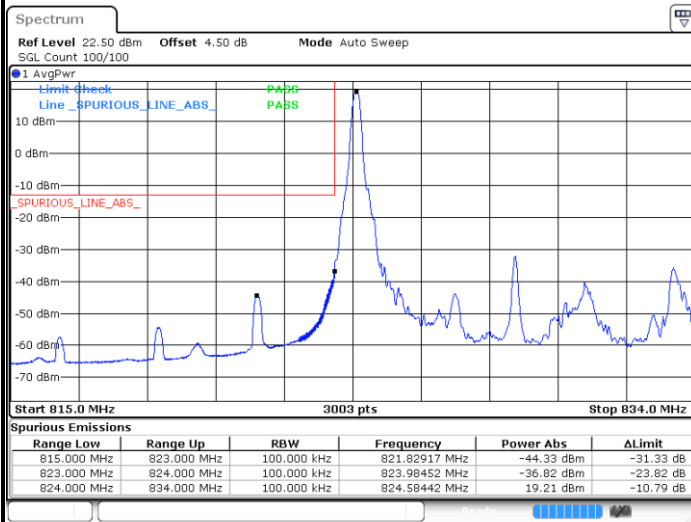
Highest Band Edge / Full RB



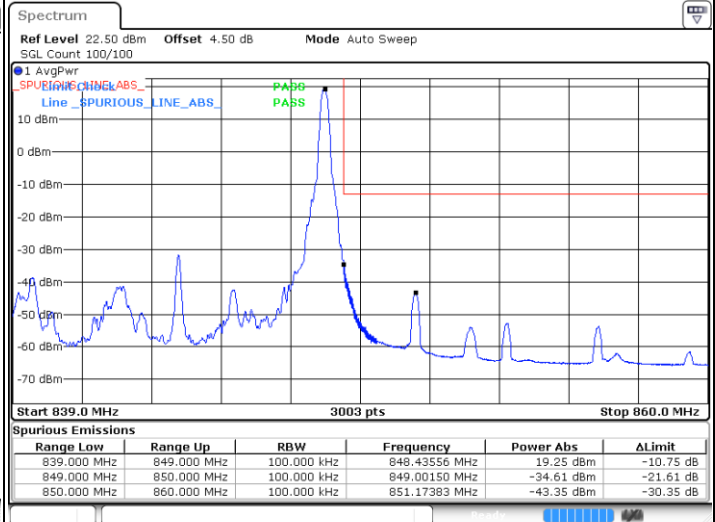


LTE Band 5 / 10MHz / QPSK

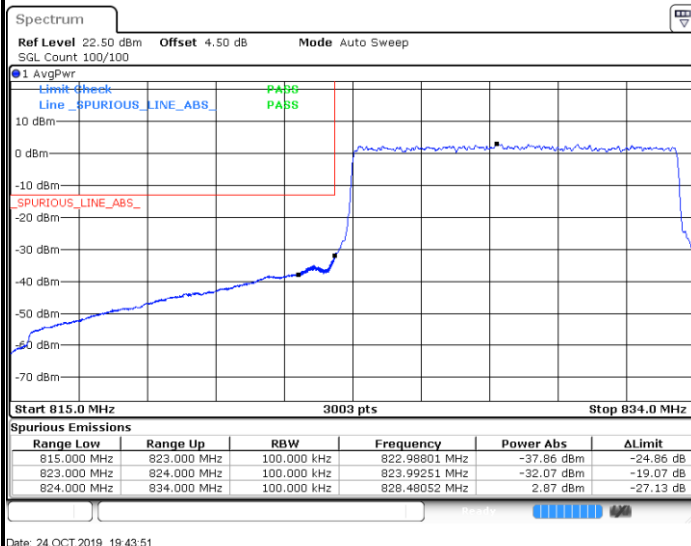
Lowest Band Edge / 1 RB



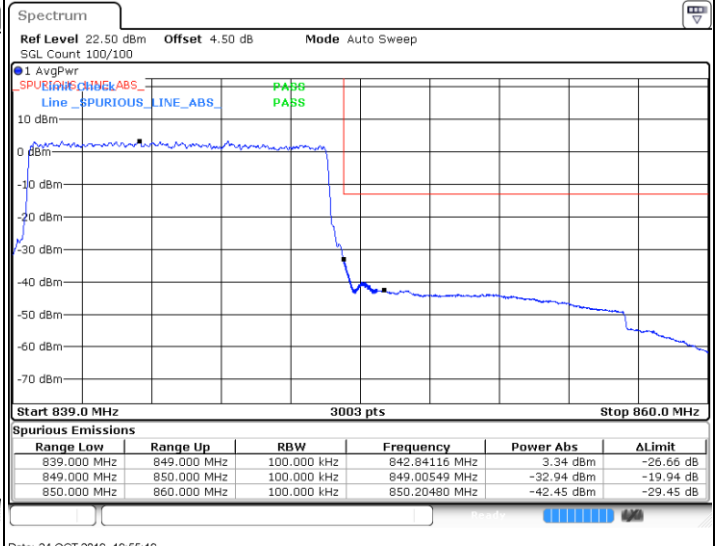
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



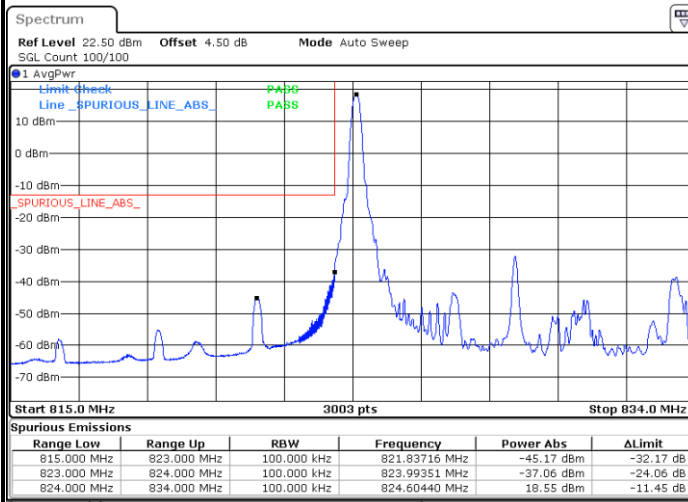
Highest Band Edge / Full RB



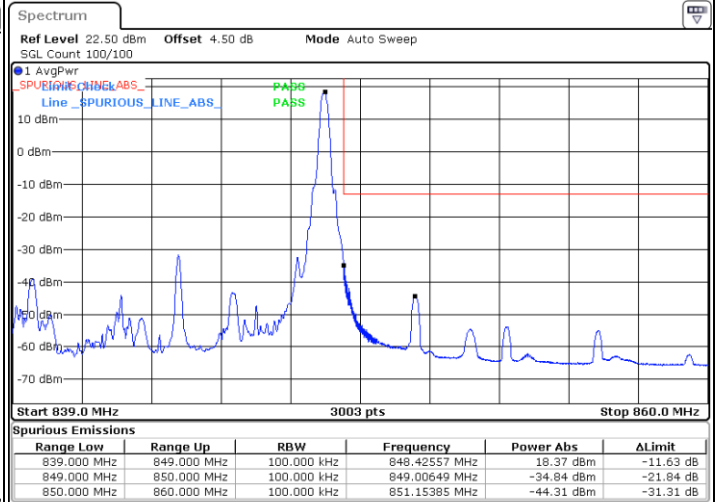


LTE Band 5 / 10MHz / 16QAM

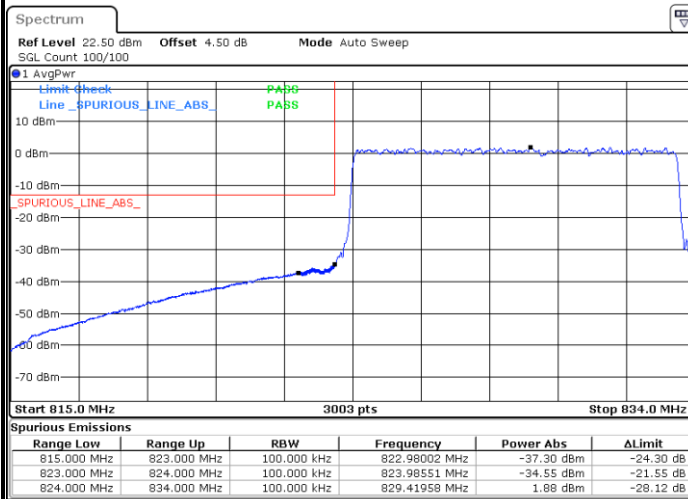
Lowest Band Edge / 1 RB



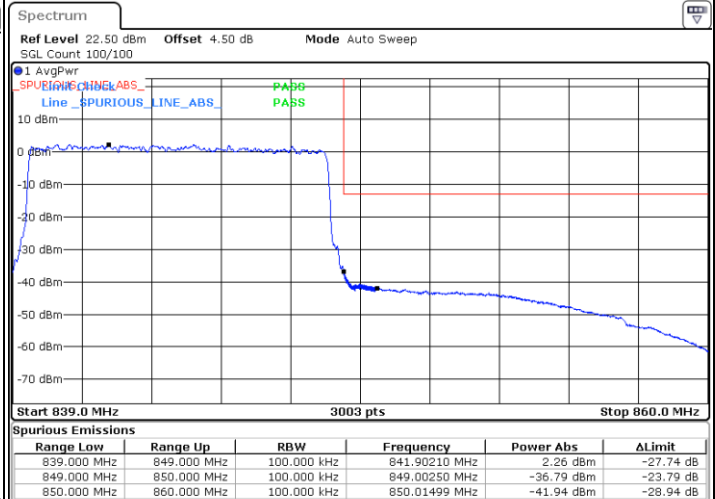
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



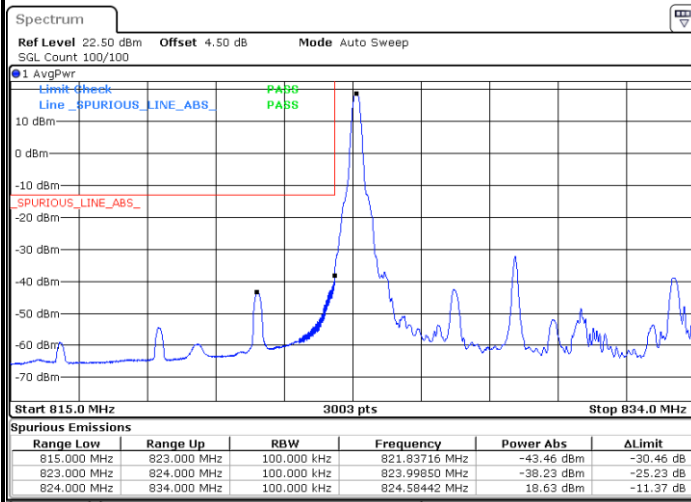
Highest Band Edge / Full RB



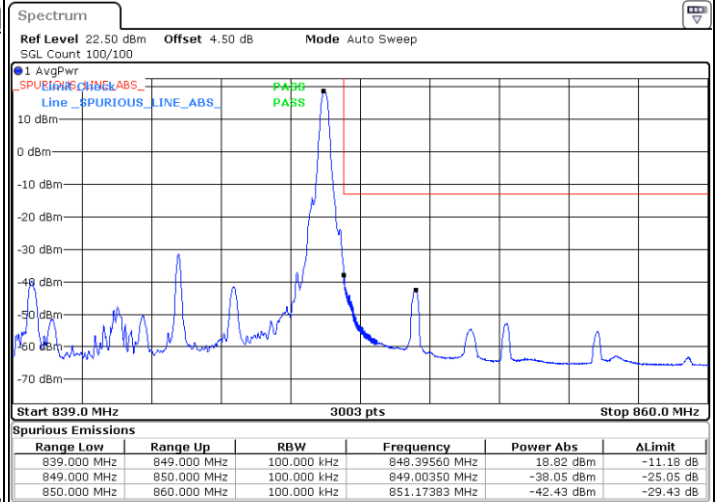


LTE Band 5 / 10MHz / 64QAM

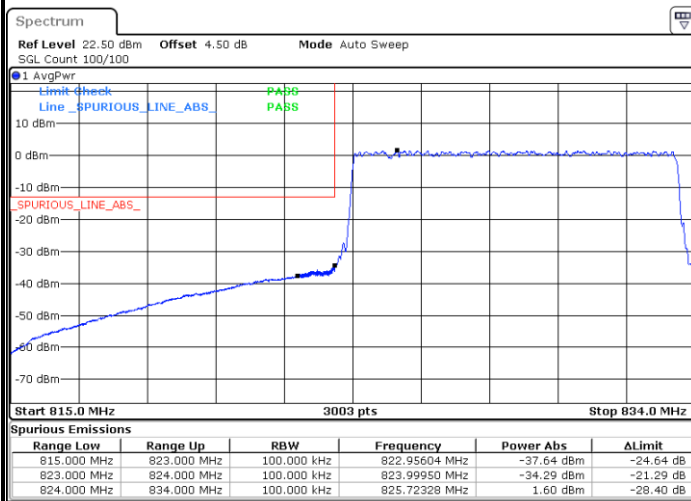
Lowest Band Edge / 1 RB



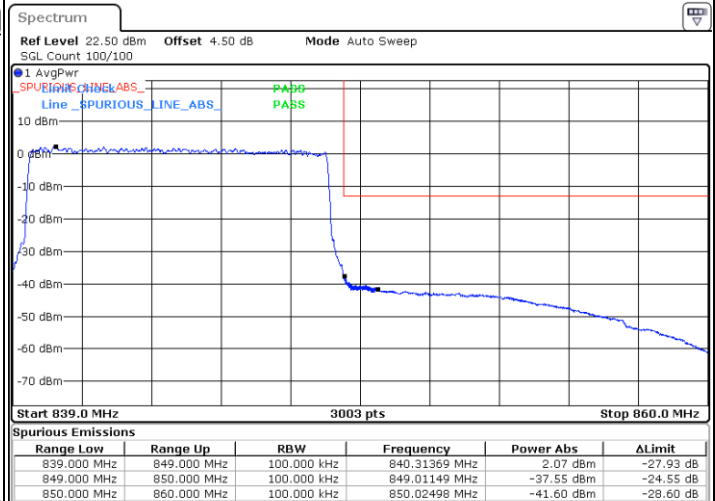
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

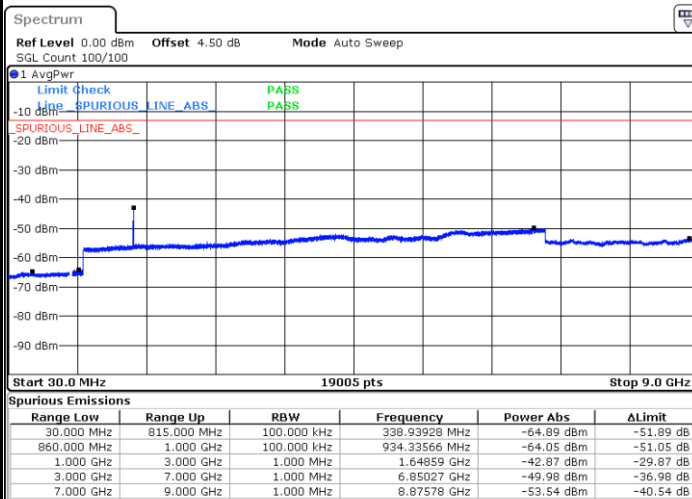




Conducted Spurious Emission

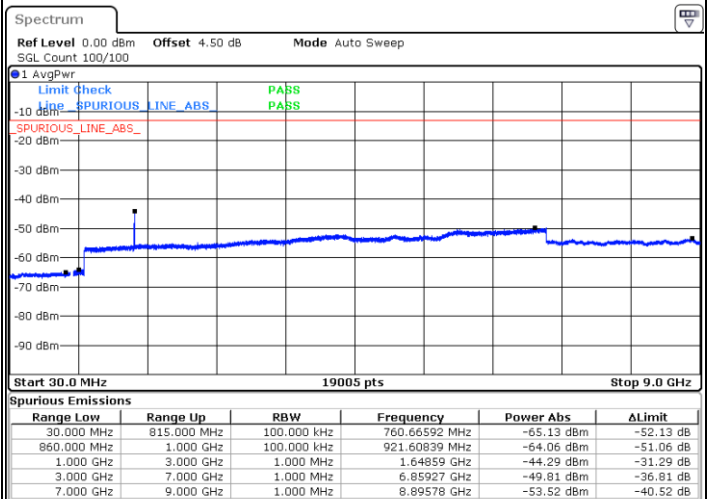
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



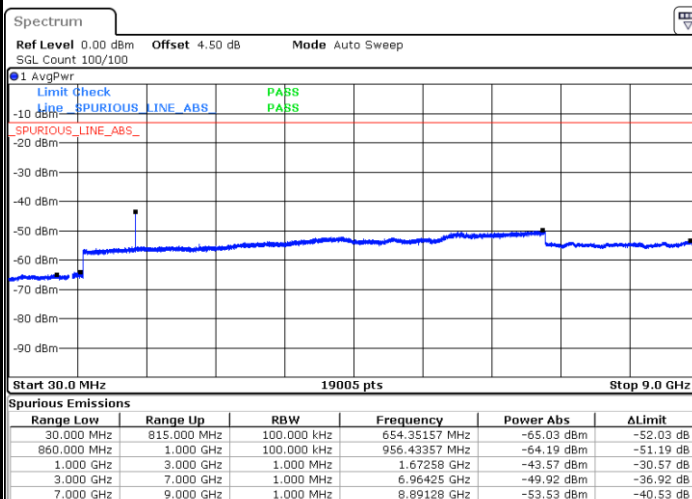
Date: 24.OCT.2019 19:12:53

Lowest Channel / 16QAM



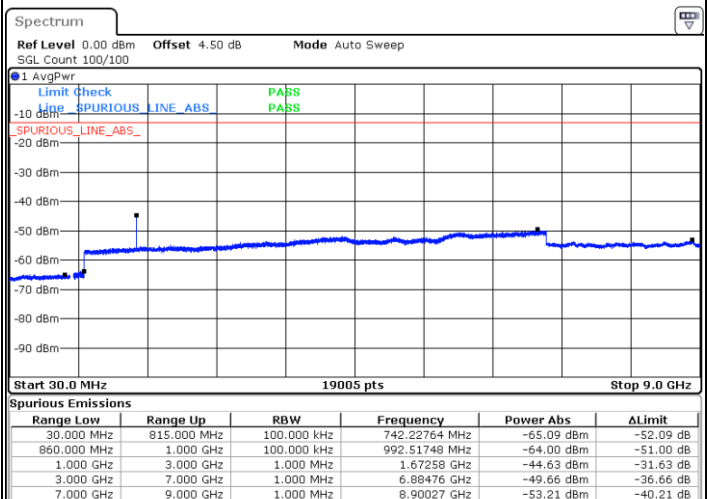
Date: 24.OCT.2019 19:13:47

Middle Channel / QPSK



Date: 24.OCT.2019 19:15:20

Middle Channel / 16QAM

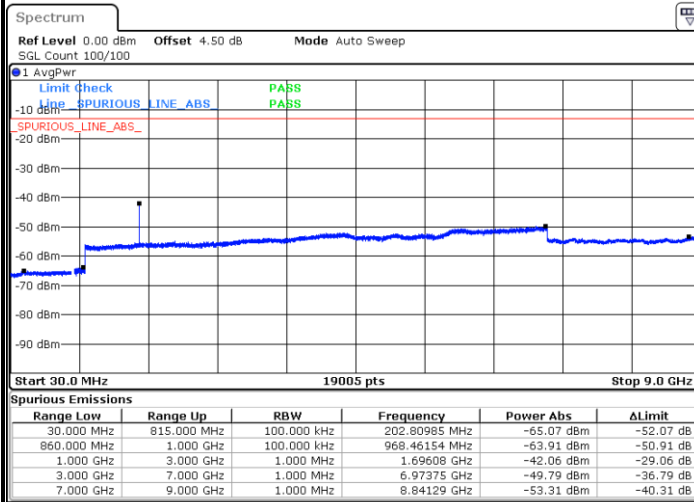


Date: 24.OCT.2019 19:16:14



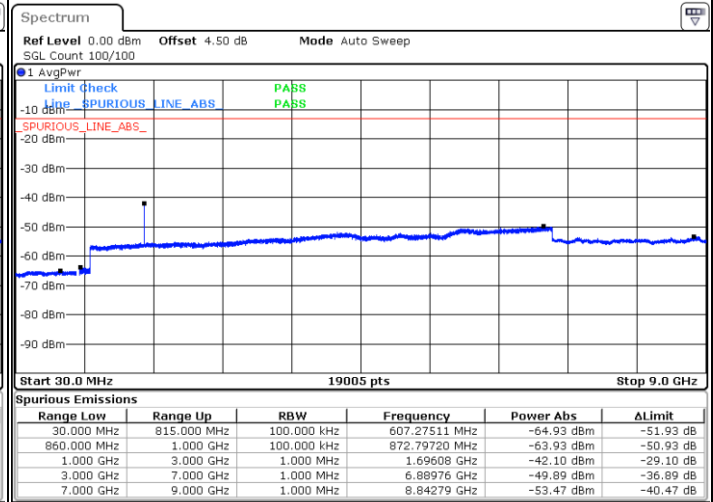
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 24.OCT.2019 19:24:22

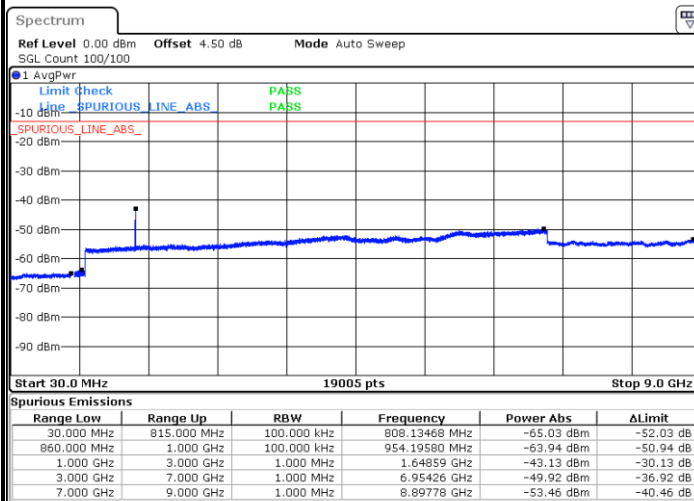
Highest Channel / 16QAM



Date: 24.OCT.2019 19:25:15

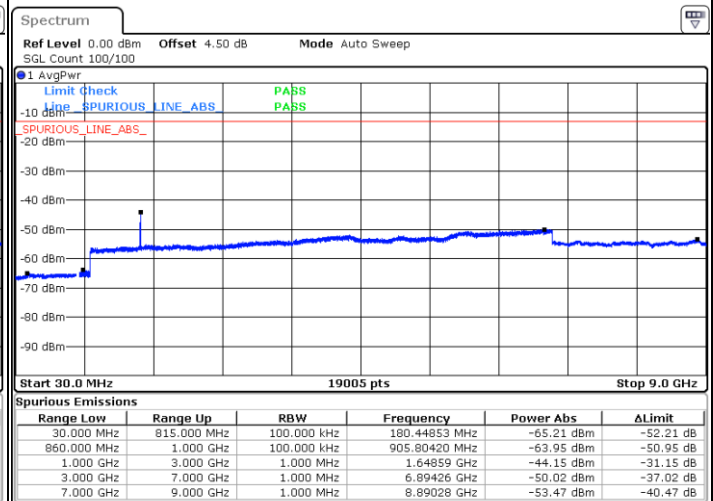
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 24.OCT.2019 21:18:19

Lowest Channel / 16QAM

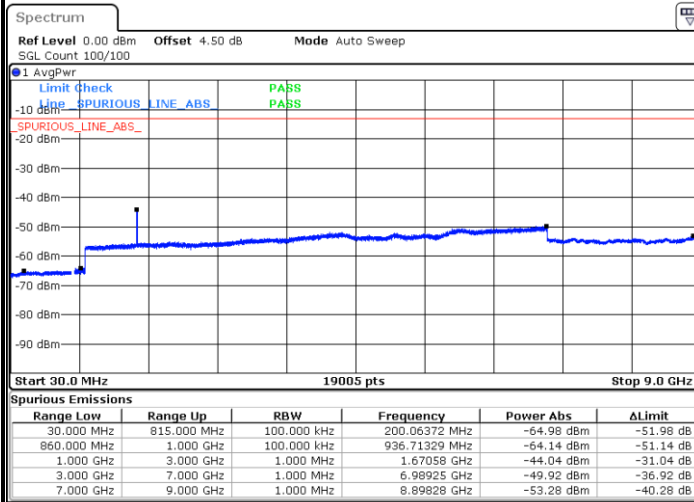


Date: 24.OCT.2019 21:18:44



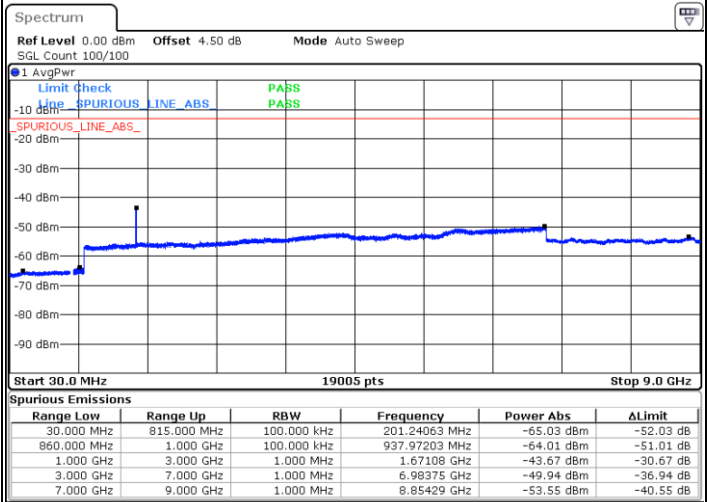
LTE Band 5 / 3MHz

Middle Channel / QPSK



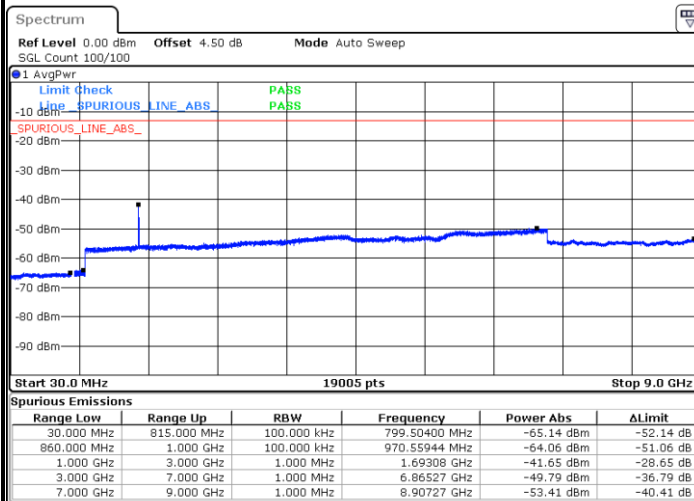
Date: 24.OCT.2019 21:19:36

Middle Channel / 16QAM



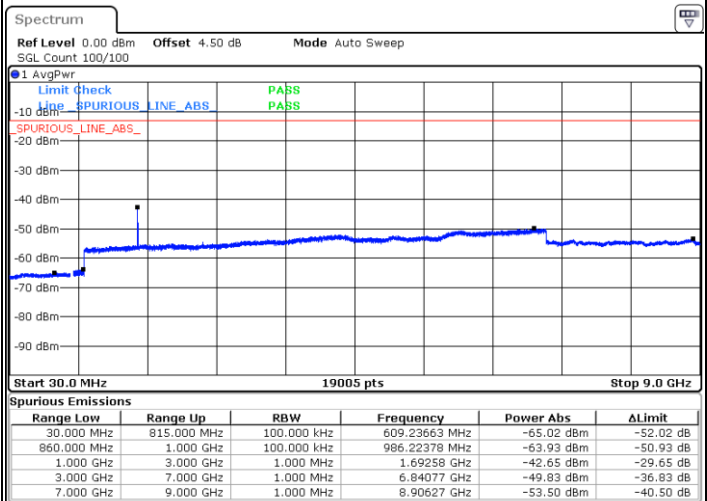
Date: 24.OCT.2019 21:19:11

Highest Channel / QPSK



Date: 24.OCT.2019 21:20:08

Highest Channel / 16QAM

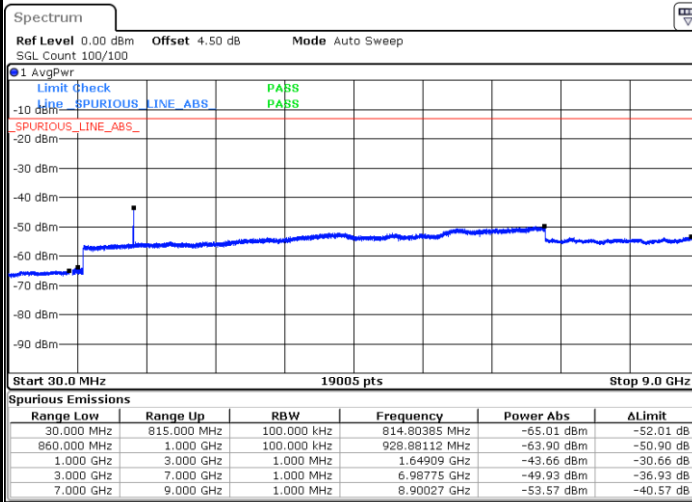


Date: 24.OCT.2019 21:20:38



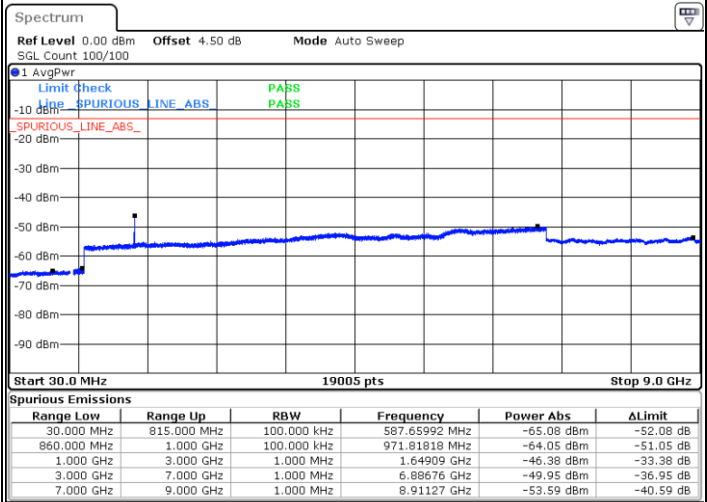
LTE Band 5 / 5MHz

Lowest Channel / QPSK



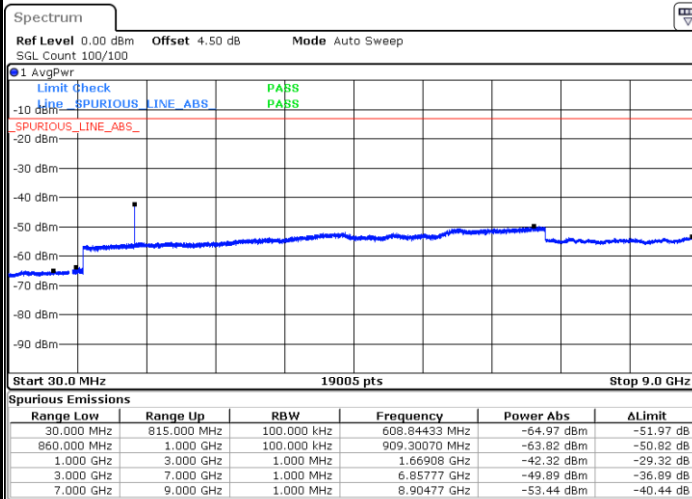
Date: 24.OCT.2019 21:27:34

Lowest Channel / 16QAM



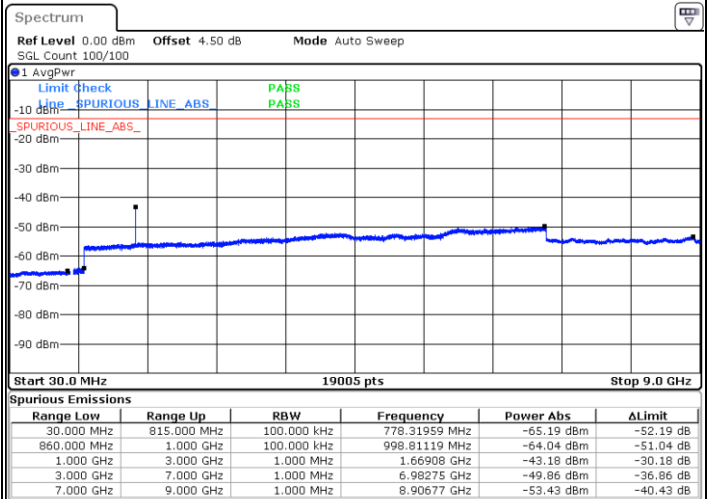
Date: 24.OCT.2019 19:26:48

Middle Channel / QPSK



Date: 24.OCT.2019 19:28:22

Middle Channel / 16QAM

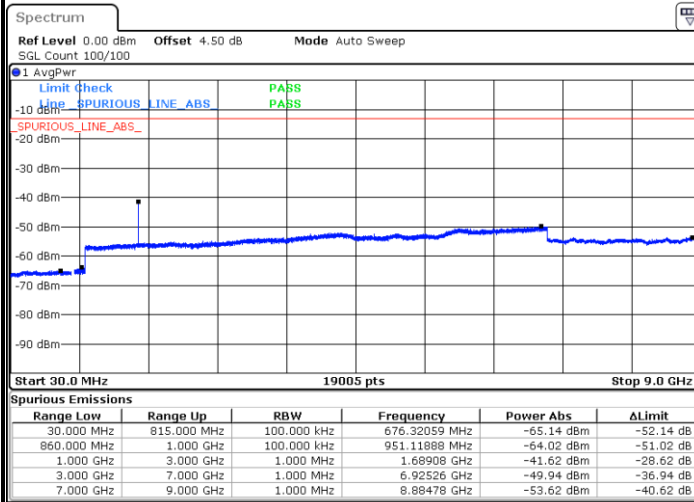


Date: 24.OCT.2019 19:29:15



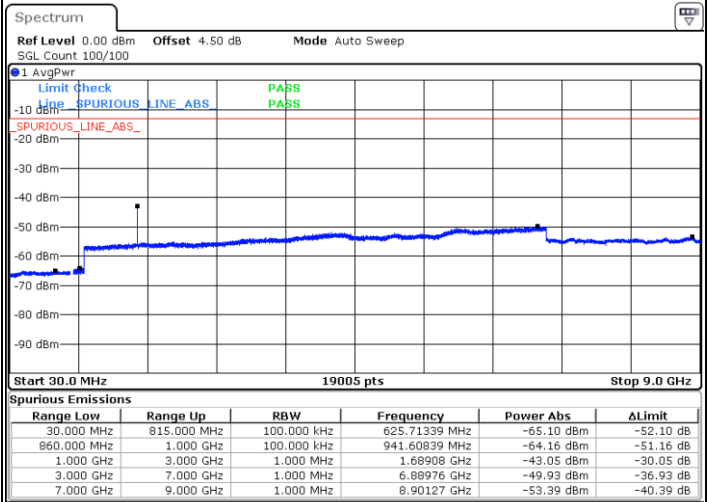
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 24.OCT.2019 19:37:23

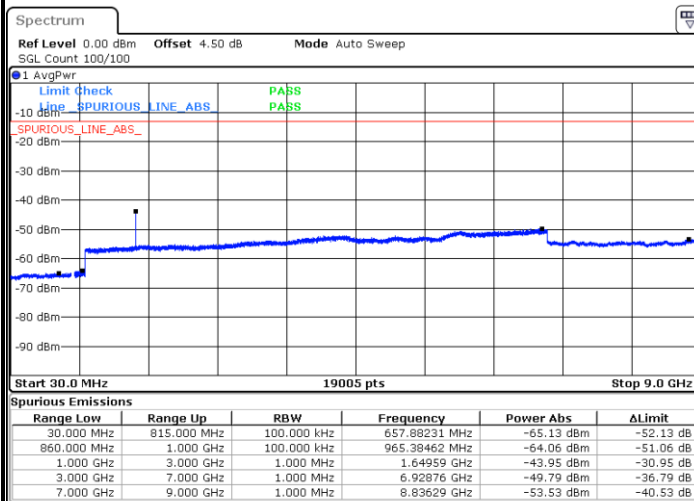
Highest Channel / 16QAM



Date: 24.OCT.2019 19:38:16

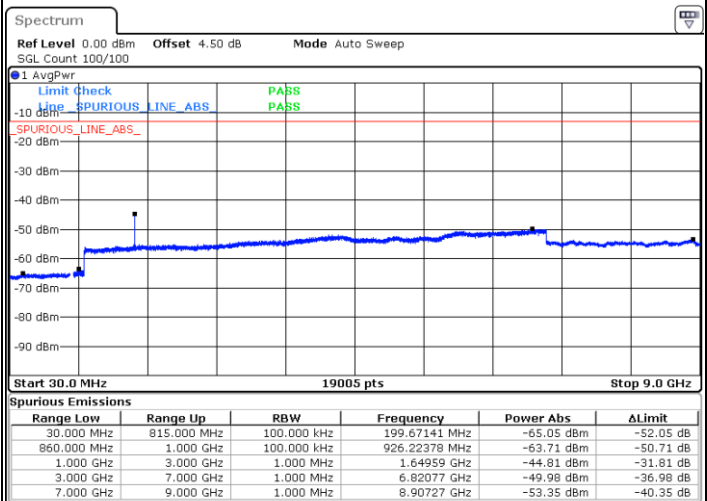
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 24.OCT.2019 19:46:24

Lowest Channel / 16QAM

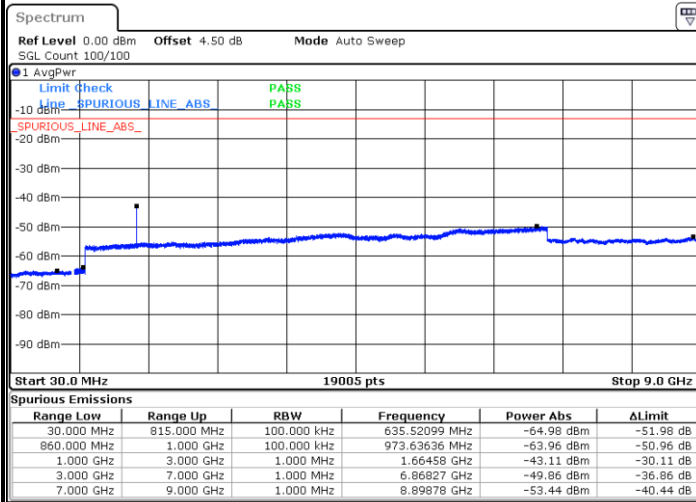


Date: 24.OCT.2019 19:47:17



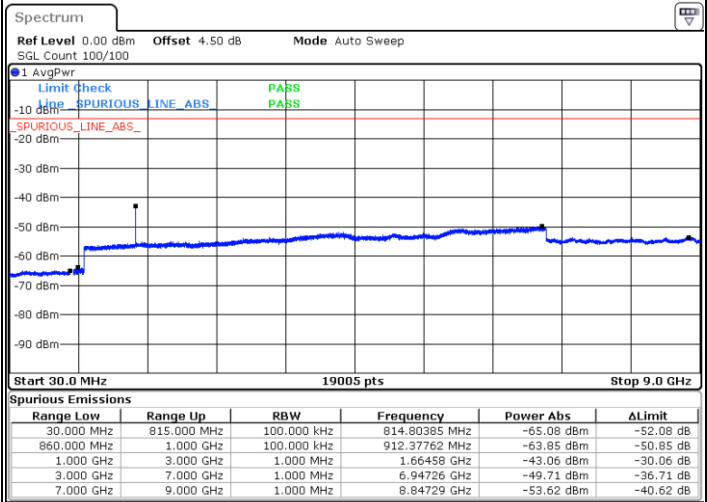
LTE Band 5 / 10MHz

Middle Channel / QPSK



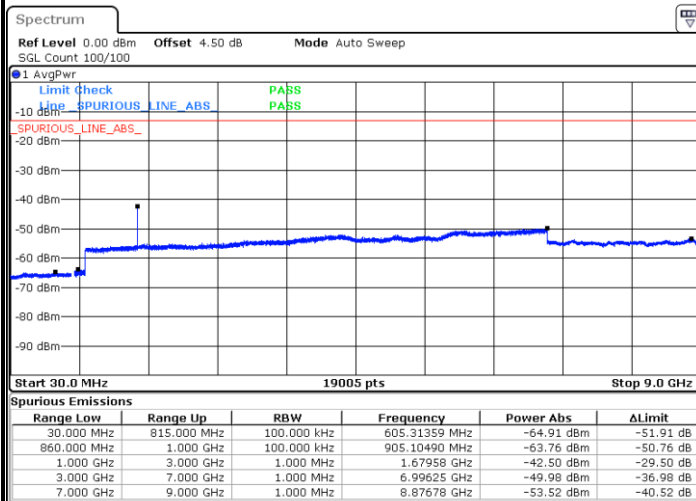
Date: 24.OCT.2019 19:48:50

Middle Channel / 16QAM



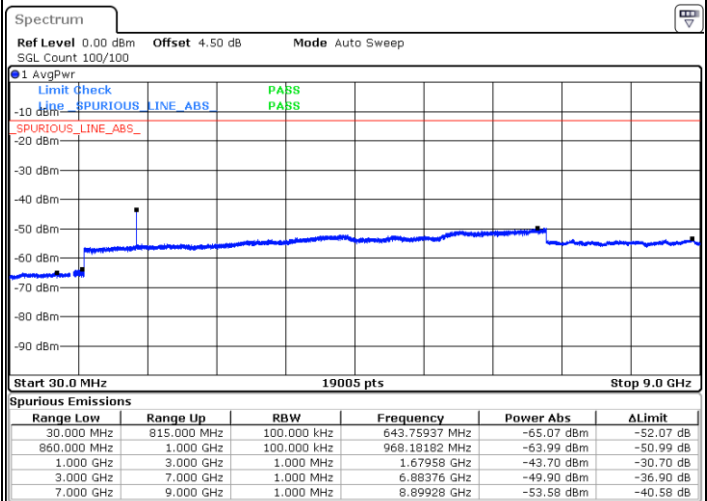
Date: 24.OCT.2019 19:49:44

Highest Channel / QPSK



Date: 24.OCT.2019 19:57:51

Highest Channel / 16QAM

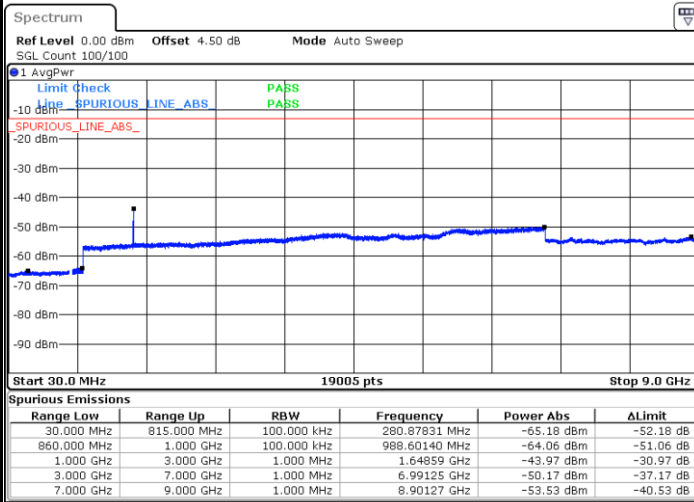


Date: 24.OCT.2019 19:58:45



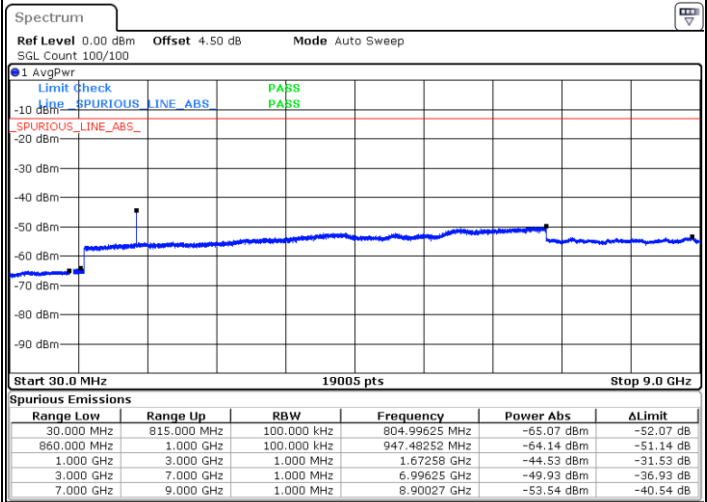
LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM



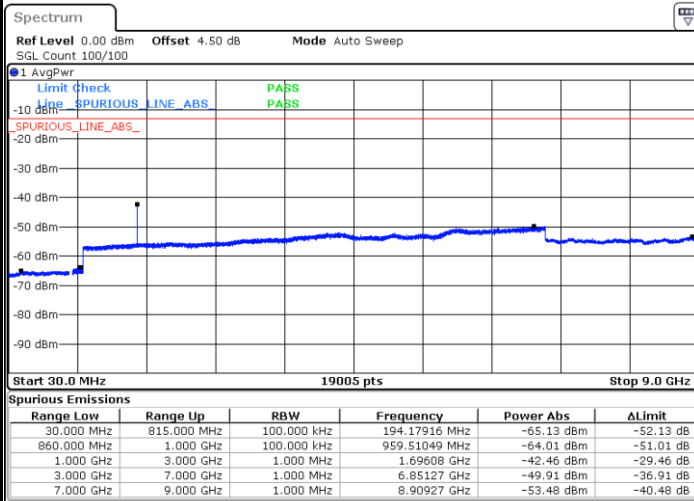
Date: 24.OCT.2019 20:05:41

Middle Channel / 64QAM



Date: 24.OCT.2019 20:06:34

Highest Channel / 64QAM

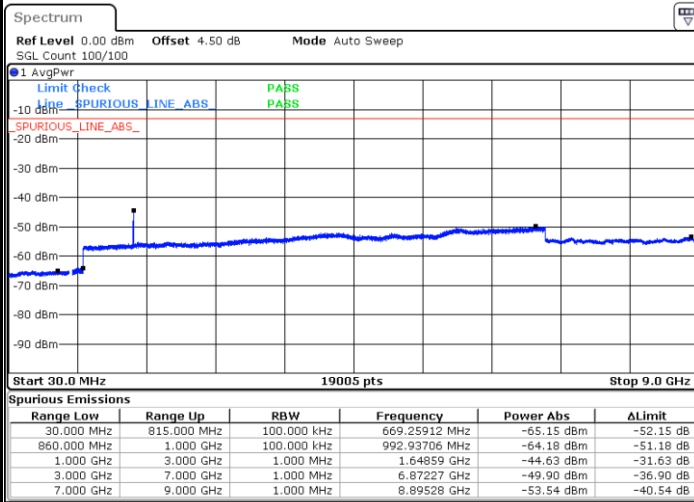


Date: 24.OCT.2019 20:11:25



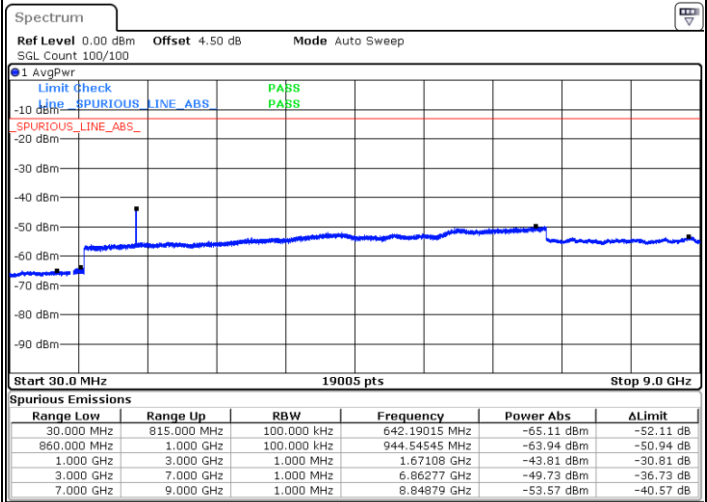
LTE Band 5 / 3MHz

Lowest Channel / 64QAM



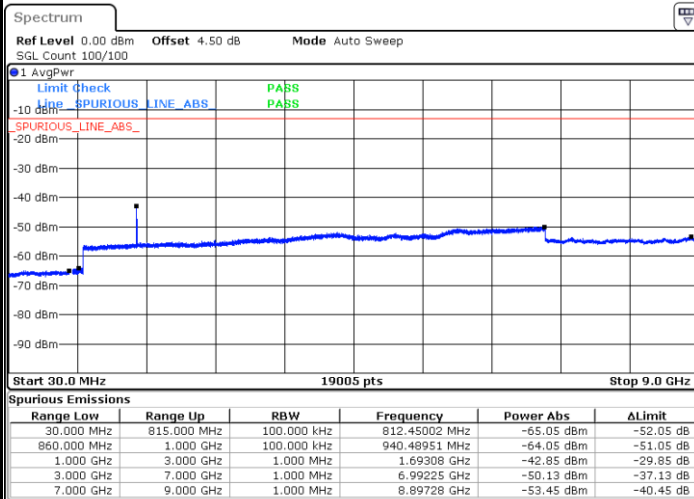
Date: 24.OCT.2019 20:15:55

Middle Channel / 64QAM



Date: 24.OCT.2019 20:16:49

Highest Channel / 64QAM

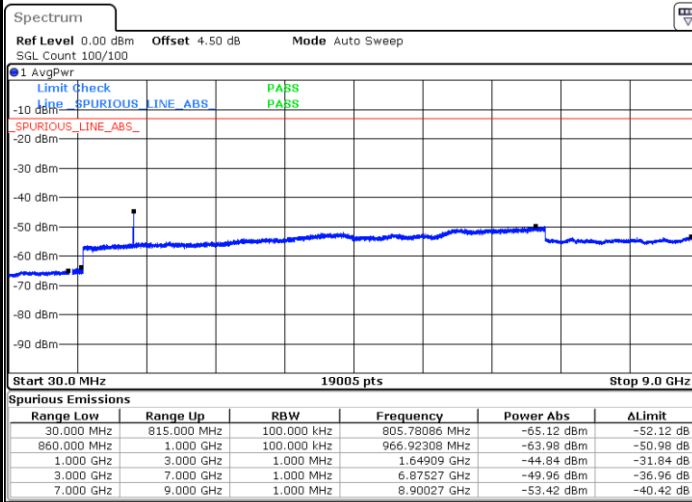


Date: 24.OCT.2019 20:21:39



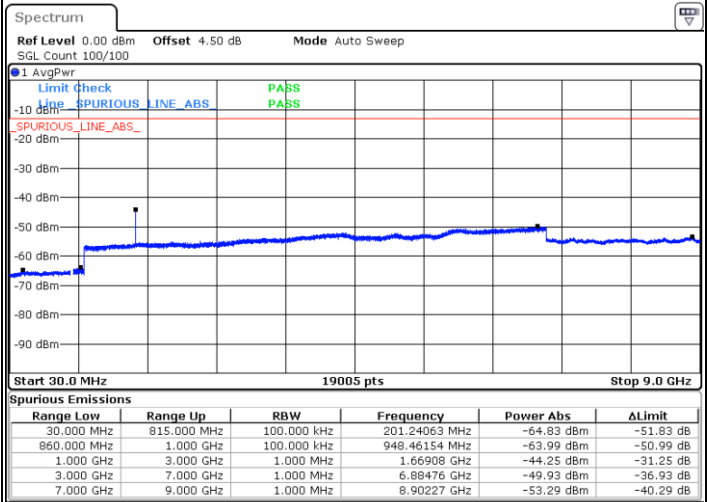
LTE Band 5 / 5MHz

Lowest Channel / 64QAM



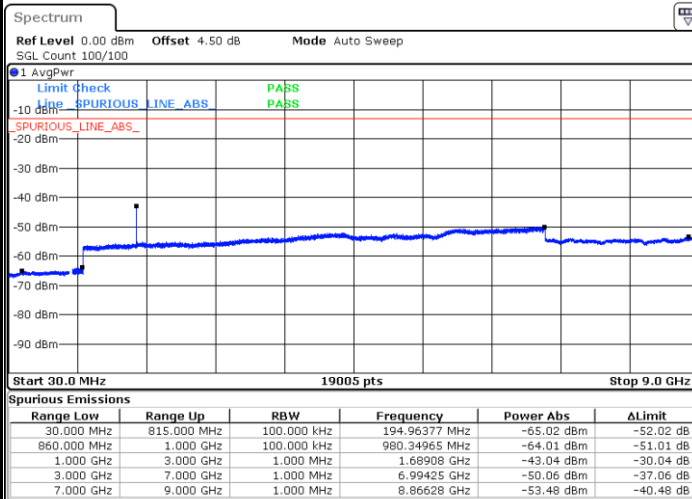
Date: 24.OCT.2019 20:26:09

Middle Channel / 64QAM



Date: 24.OCT.2019 20:27:03

Highest Channel / 64QAM

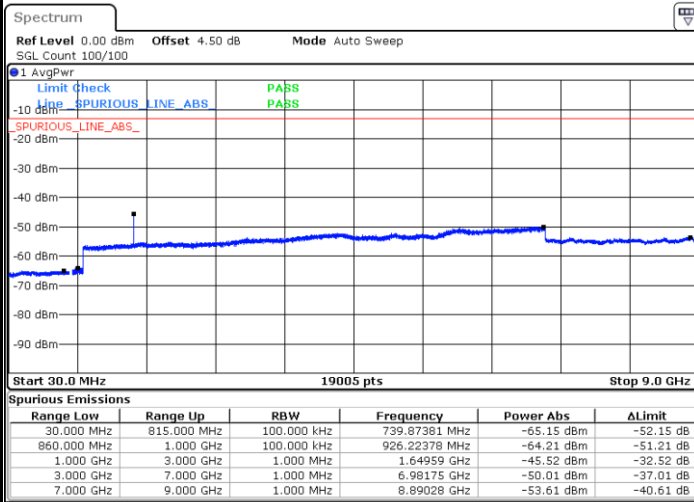


Date: 24.OCT.2019 20:31:53



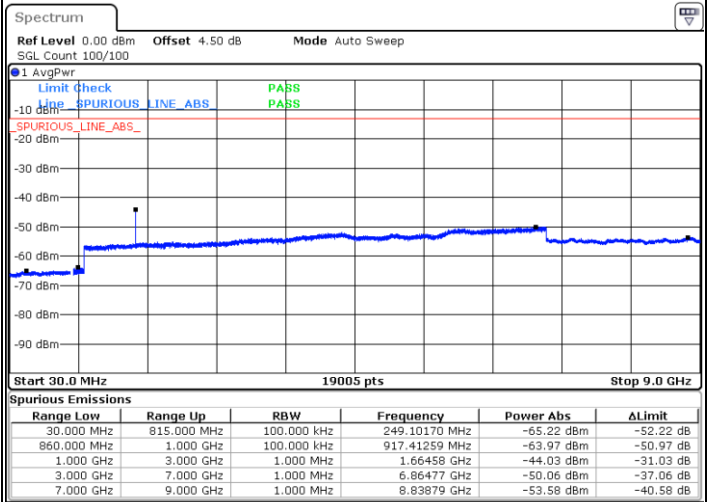
LTE Band 5 / 10MHz

Lowest Channel / 64QAM



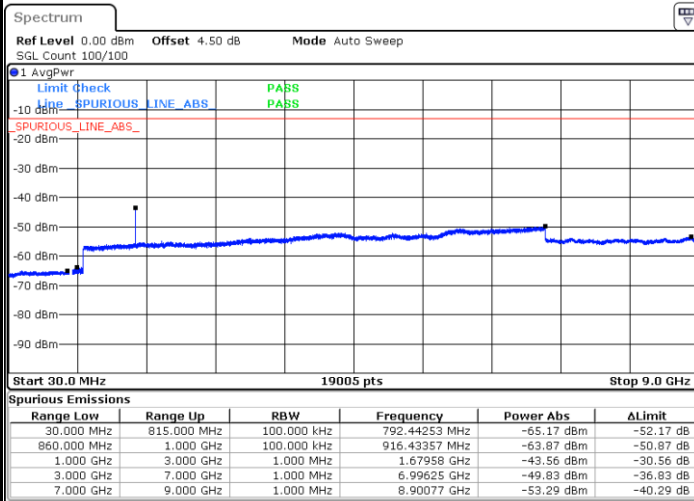
Date: 24.OCT.2019 20:36:24

Middle Channel / 64QAM



Date: 24.OCT.2019 20:37:17

Highest Channel / 64QAM



Date: 24.OCT.2019 20:42:08

**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	0.0012	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0033	
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	0.0045	
20	Normal Voltage	0.0050	
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	3.57	4.55	5.48	5.91	PASS
Middle CH	3.59	4.64	5.16	6.09	
Highest CH	3.74	4.55	5.39	5.97	
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.96	6.46			PASS
Middle CH	6.93	6.67			
Highest CH	6.78	6.55			