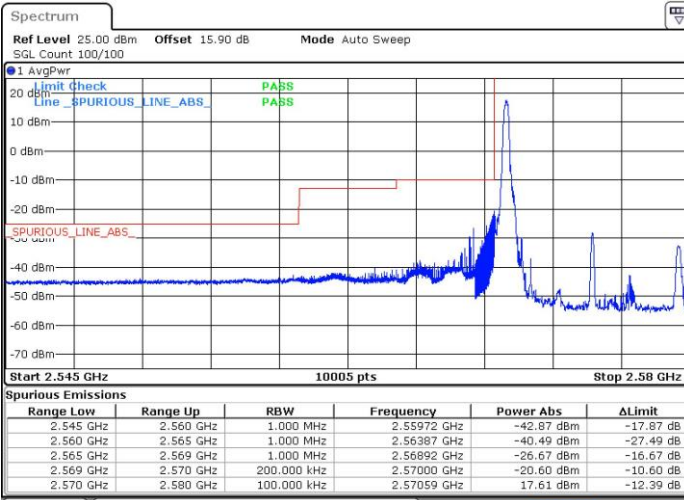




LTE Band 38 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

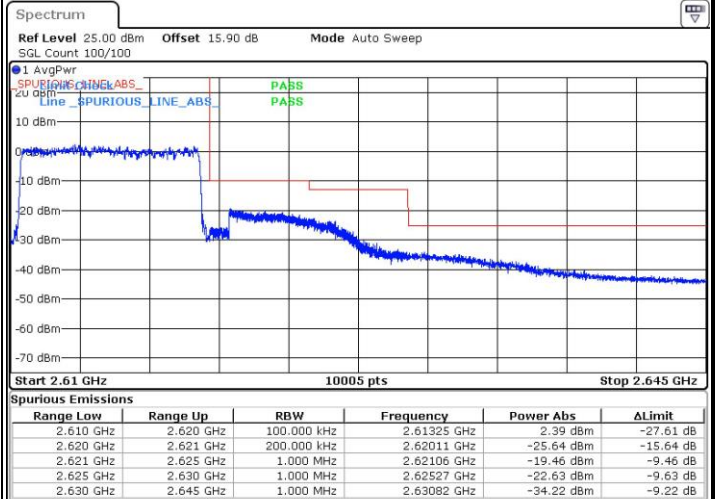
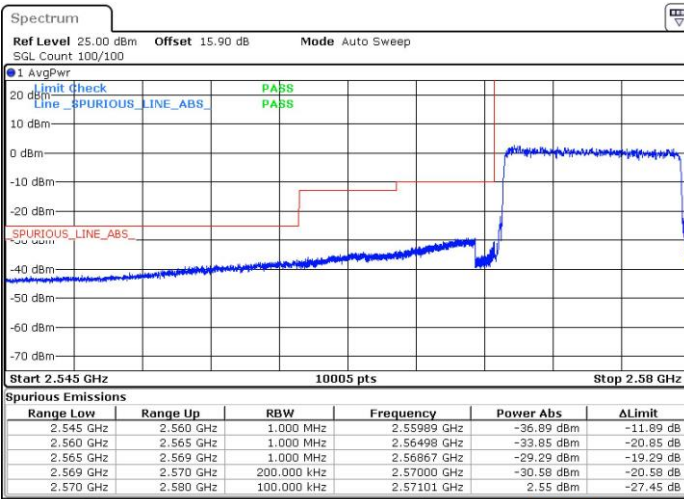


Date: 24 JUL 2019 00:24:20

Date: 24 JUL 2019 00:30:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 24 JUL 2019 00:26:14

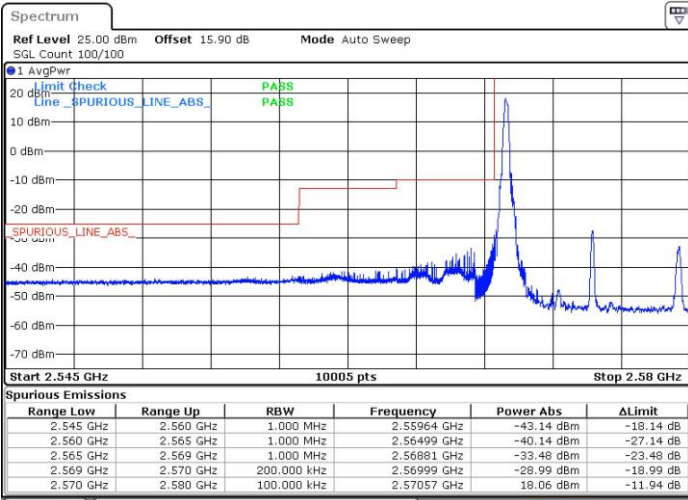
Date: 24 JUL 2019 00:28:08



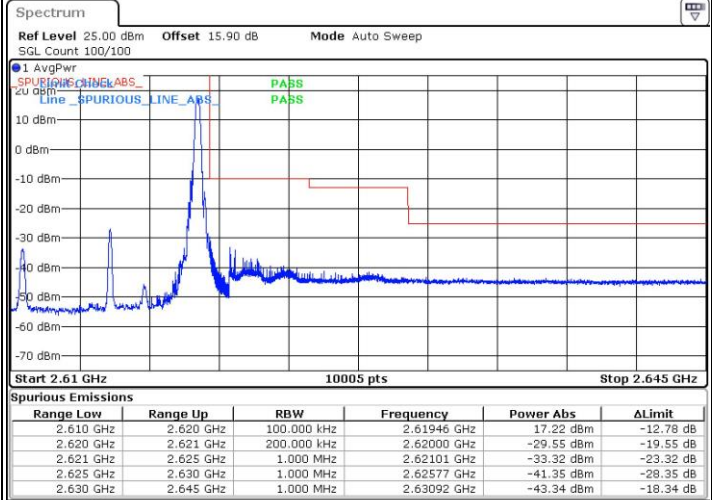
LTE Band 38 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



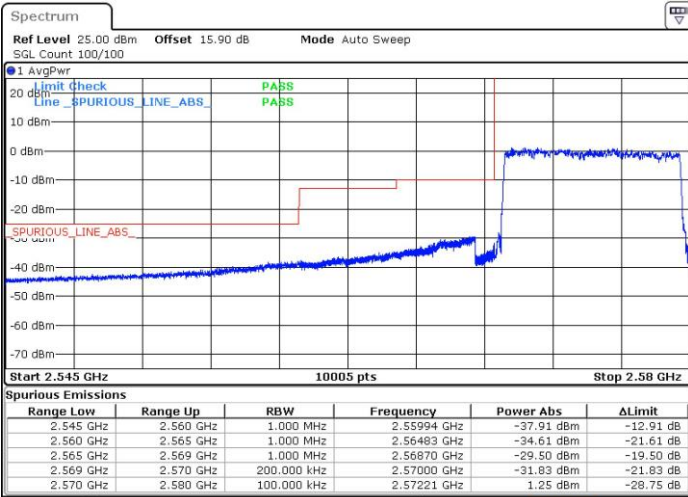
Date: 24 JUL 2019 00:19:35



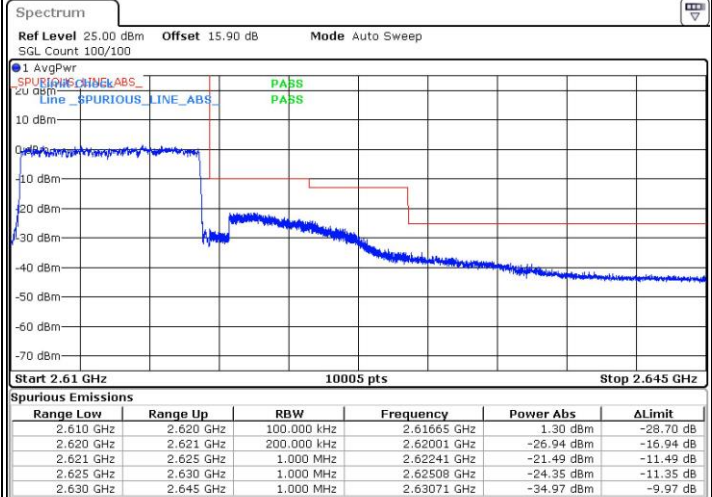
Date: 24 JUL 2019 00:22:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 24 JUL 2019 00:20:32



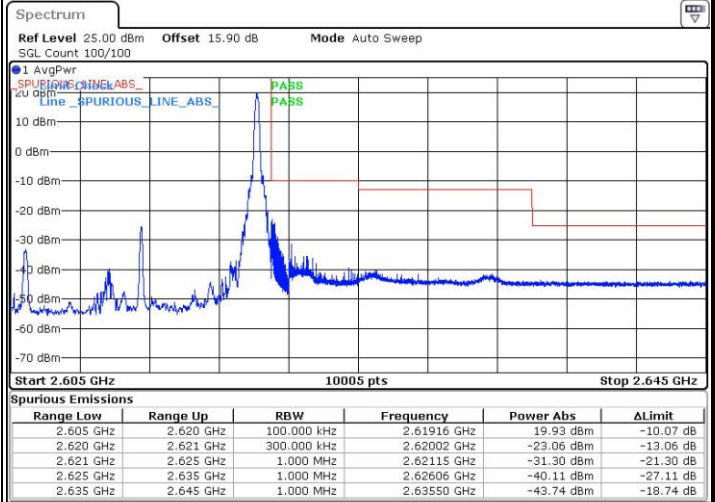
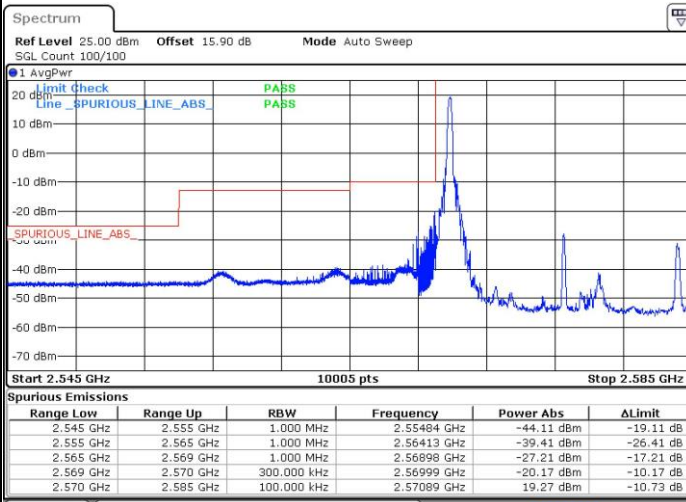
Date: 24 JUL 2019 00:21:29



LTE Band 38 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

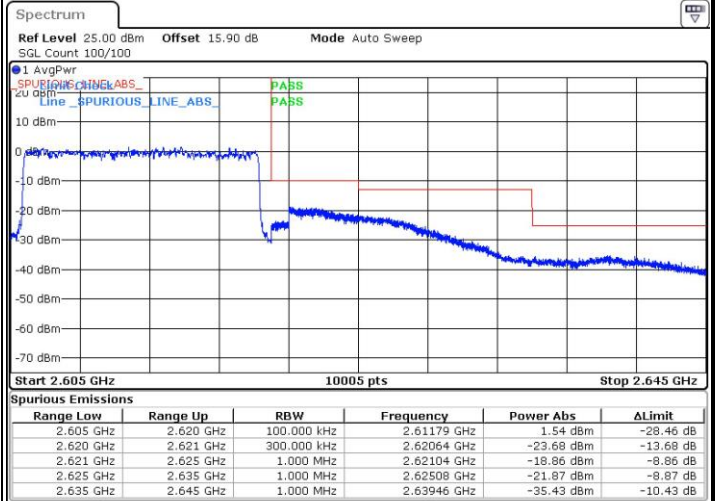
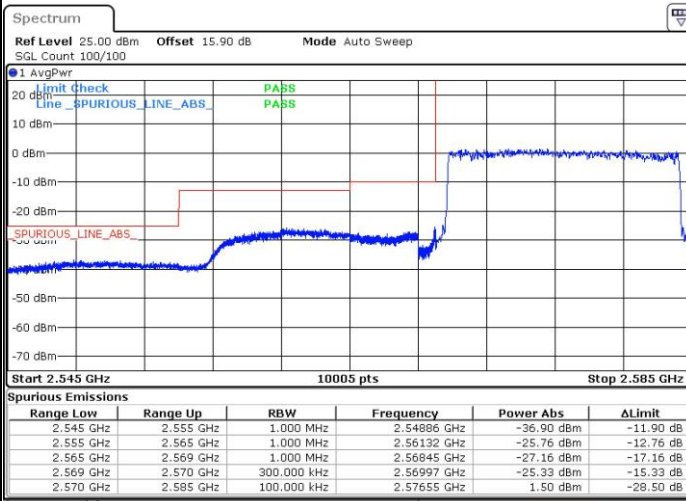


Date: 24 JUL 2019 00:31:00

Date: 24 JUL 2019 00:36:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 24 JUL 2019 00:32:54

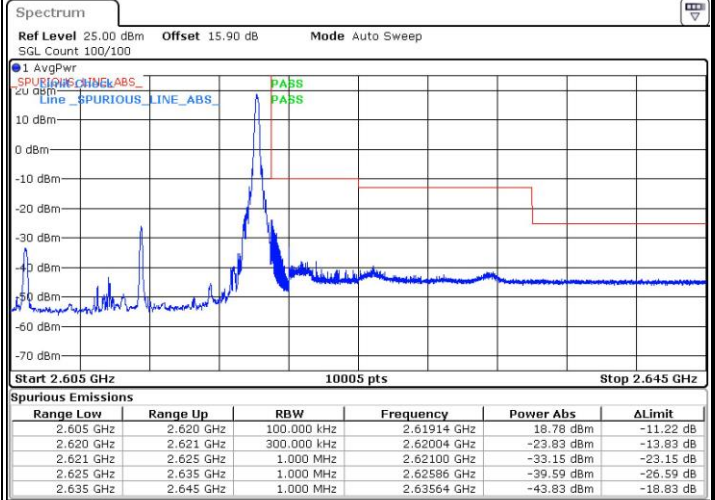
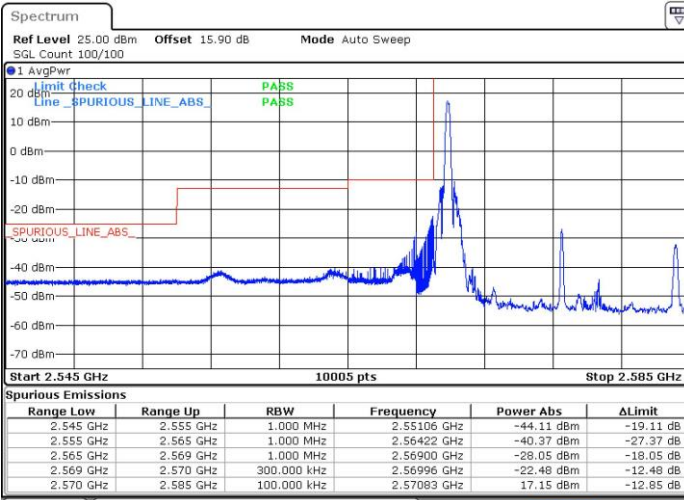
Date: 24 JUL 2019 00:34:48



LTE Band 38 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

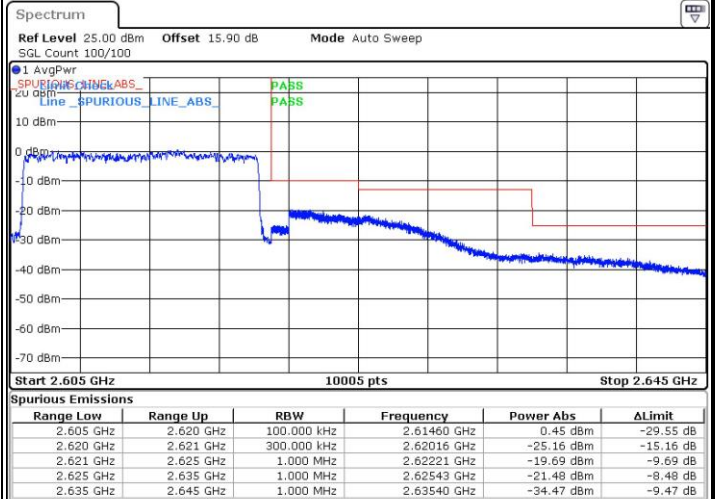
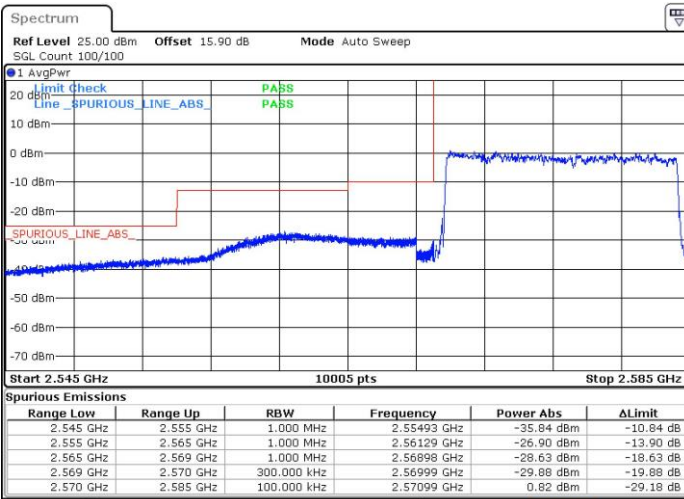


Date: 24 JUL 2019 00:31:57

Date: 24 JUL 2019 00:37:39

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



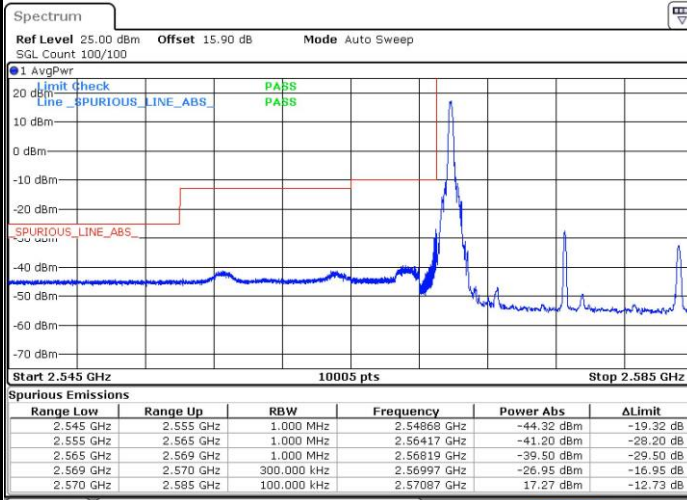
Date: 24 JUL 2019 00:33:51

Date: 24 JUL 2019 00:35:45



LTE Band 38 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



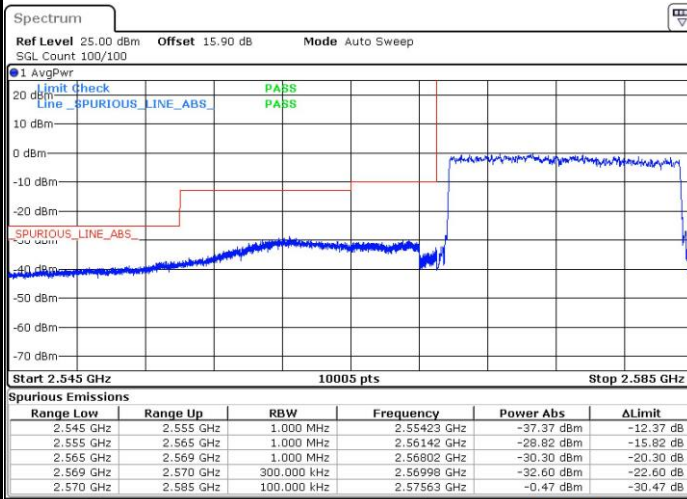
Date: 24 JUL 2019 00:38:36

Highest Band Edge / 1 RB



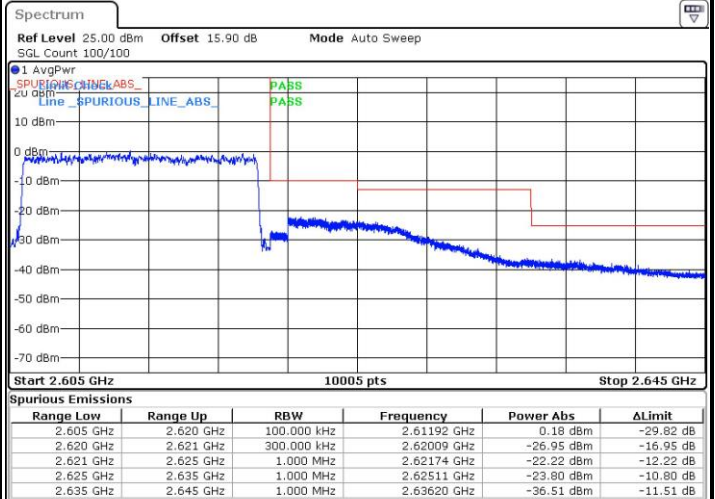
Date: 24 JUL 2019 00:41:27

Lowest Band Edge / Full RB



Date: 24 JUL 2019 00:39:33

Highest Band Edge / Full RB



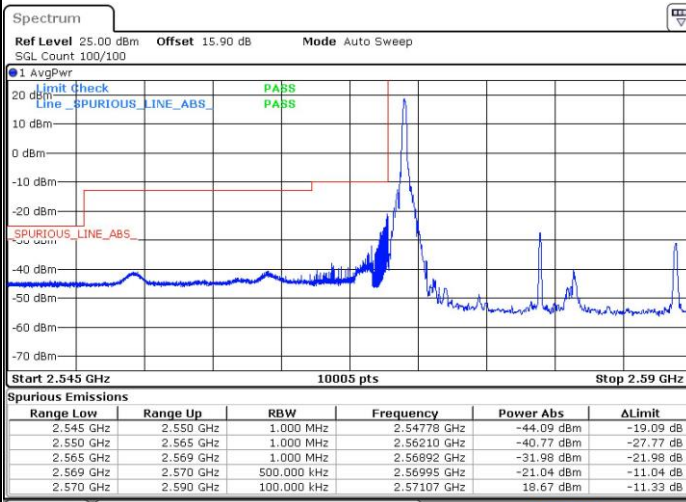
Date: 24 JUL 2019 00:40:30



LTE Band 38 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



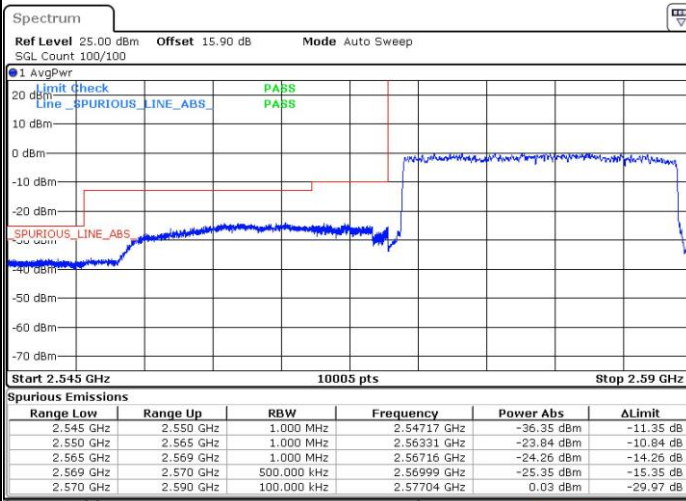
Date: 24 JUL 2019 00:42:24



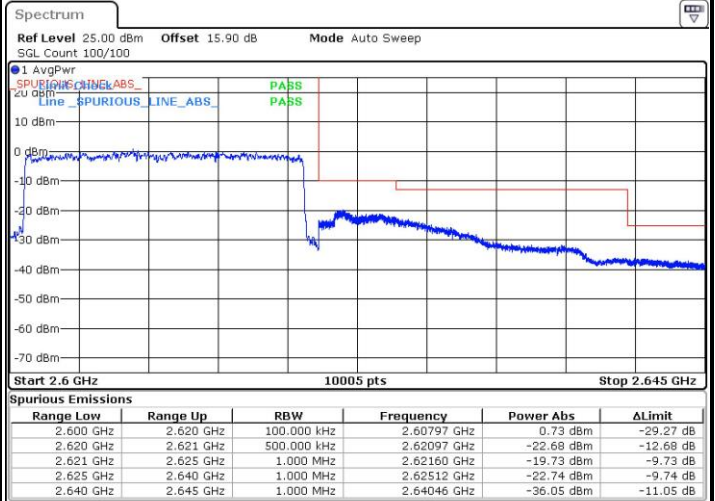
Date: 24 JUL 2019 00:48:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 24 JUL 2019 00:44:19

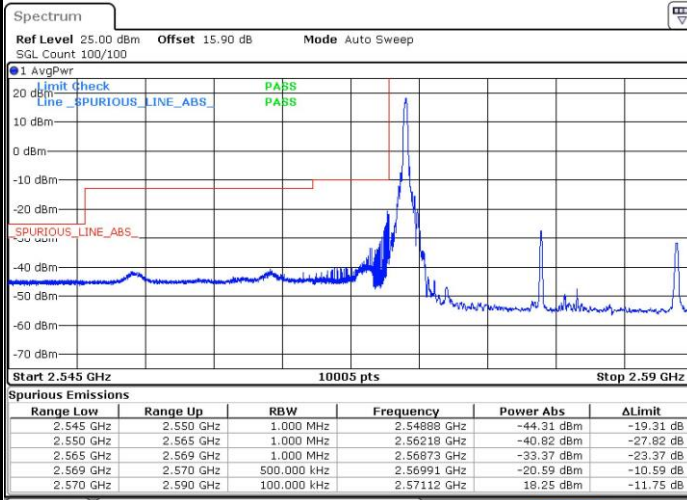


Date: 24 JUL 2019 00:46:13



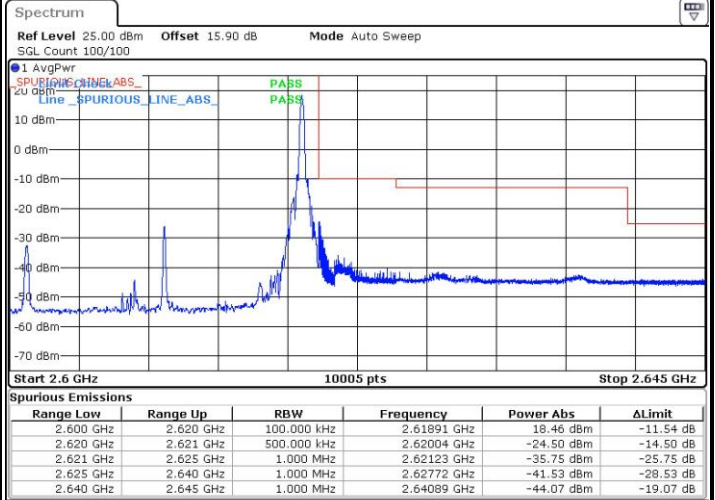
LTE Band 38 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



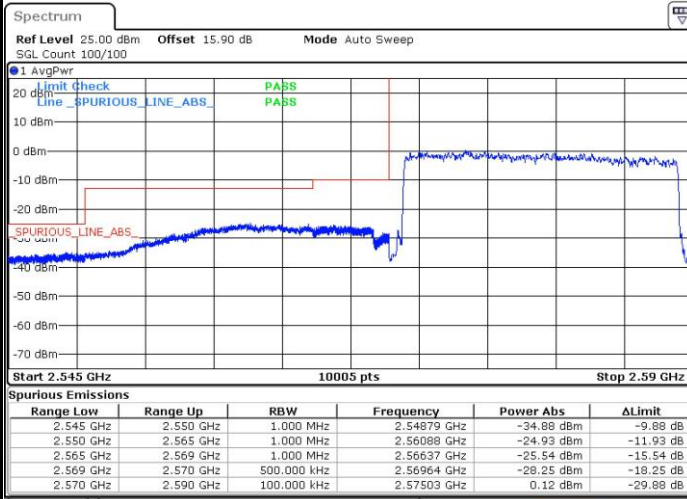
Date: 24 JUL 2019 00:43:22

Highest Band Edge / 1 RB



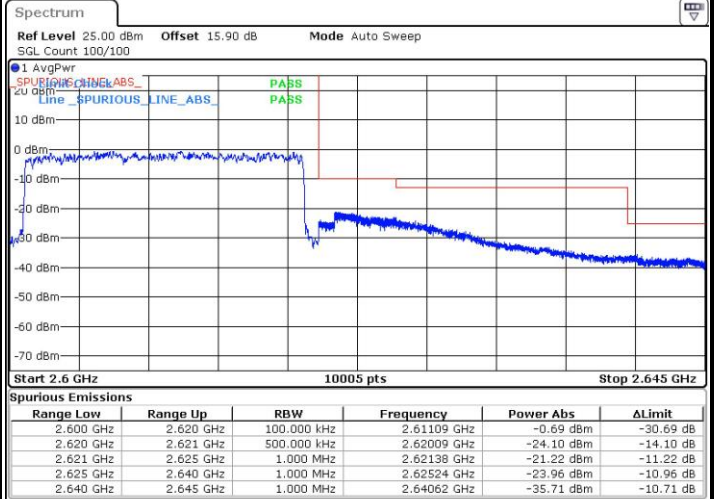
Date: 24 JUL 2019 00:49:03

Lowest Band Edge / Full RB



Date: 24 JUL 2019 00:45:16

Highest Band Edge / Full RB



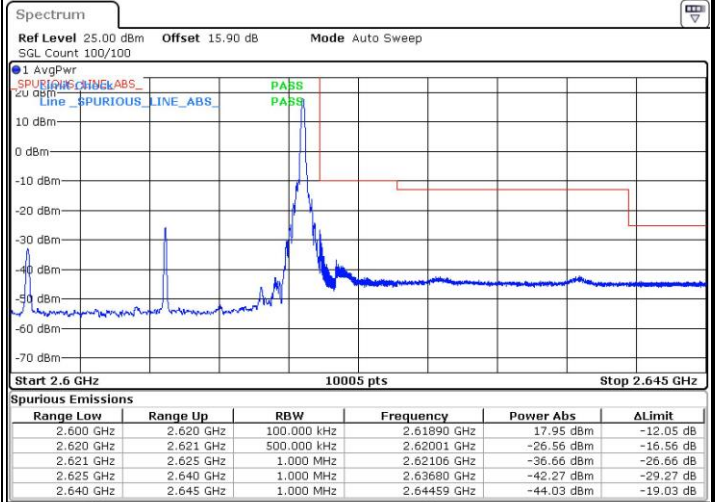
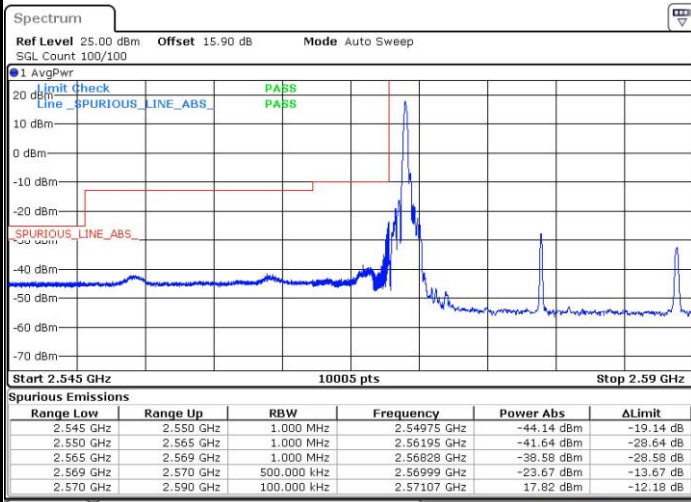
Date: 24 JUL 2019 00:47:09



LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

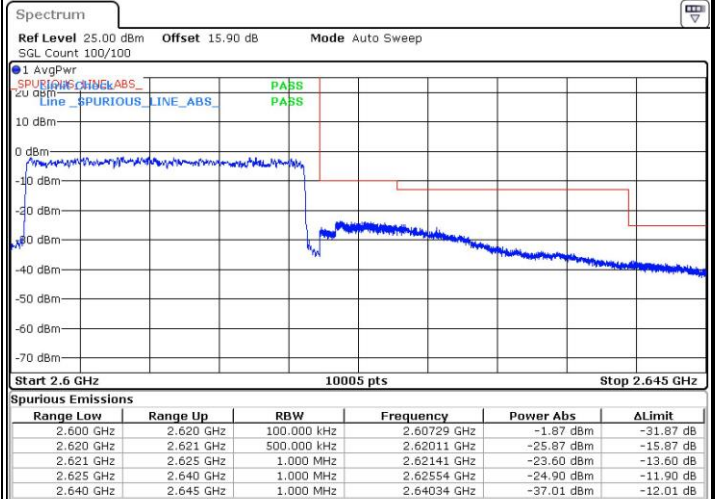
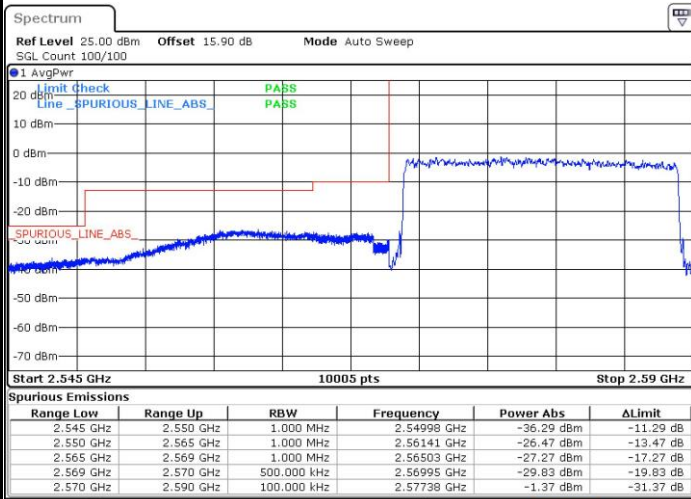


Date: 24 JUL 2019 00:50:00

Date: 24 JUL 2019 00:52:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

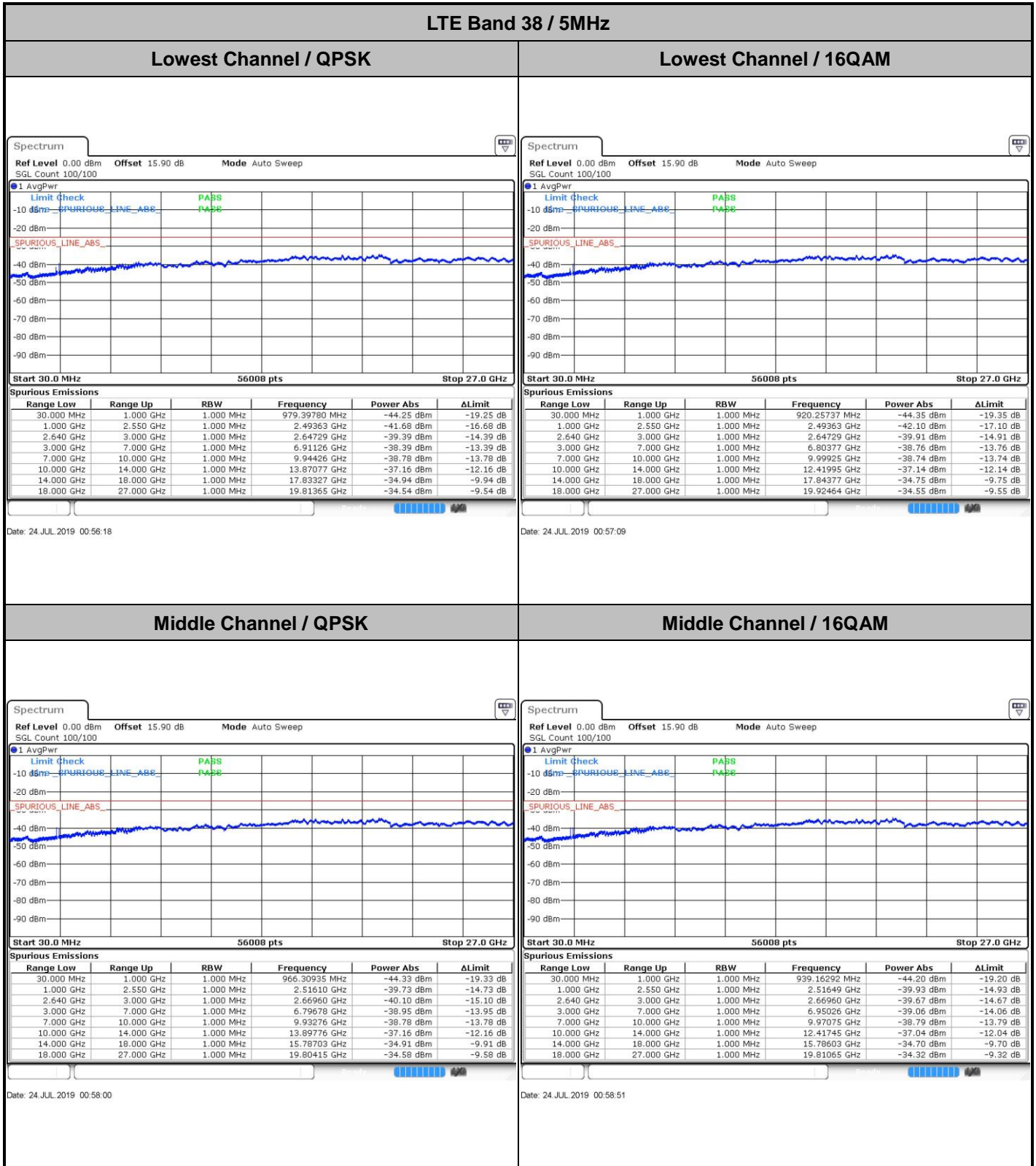


Date: 24 JUL 2019 00:50:57

Date: 24 JUL 2019 00:51:54



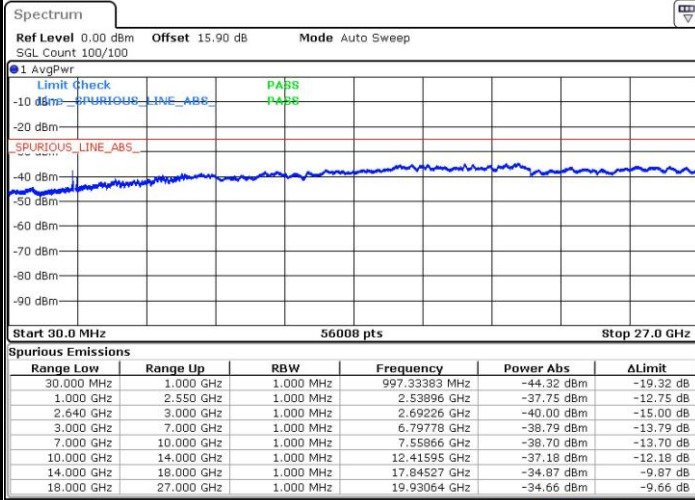
Conducted Spurious Emission





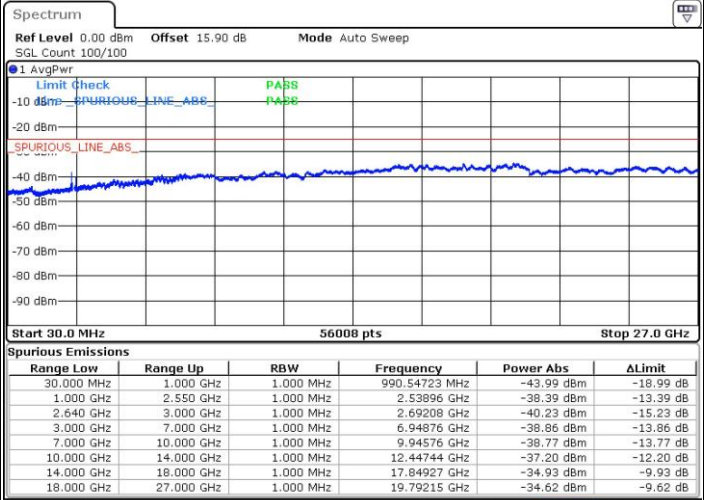
LTE Band 38 / 5MHz

Highest Channel / QPSK



Date: 24 JUL 2019 00:59:43

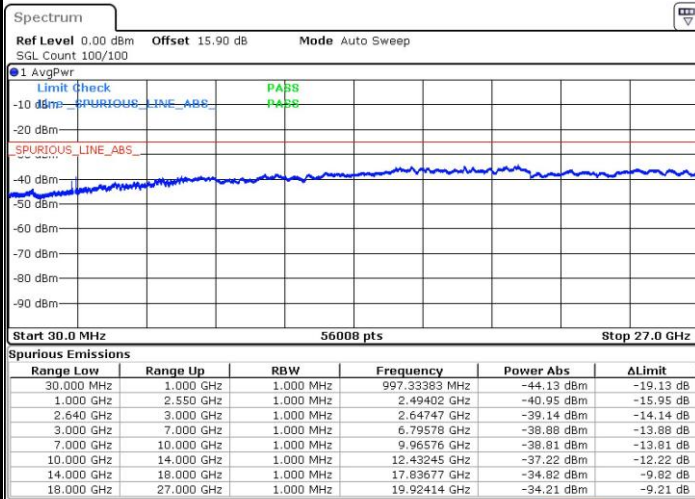
Highest Channel / 16QAM



Date: 24 JUL 2019 01:00:34

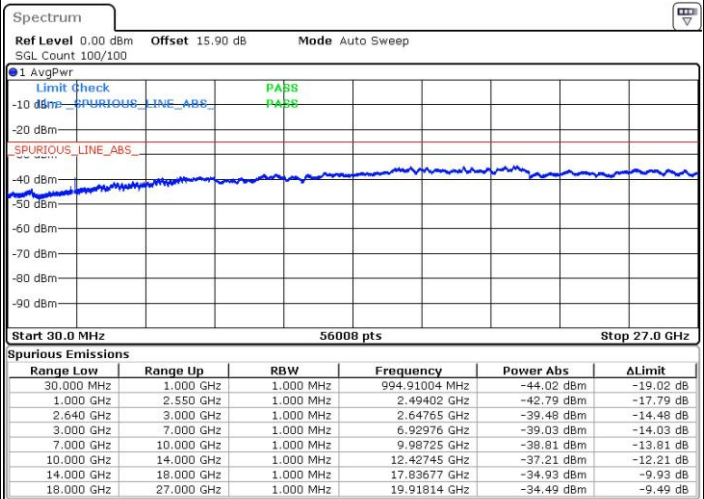
LTE Band 38 / 10MHz

Lowest Channel / QPSK



Date: 24 JUL 2019 01:04:01

Lowest Channel / 16QAM



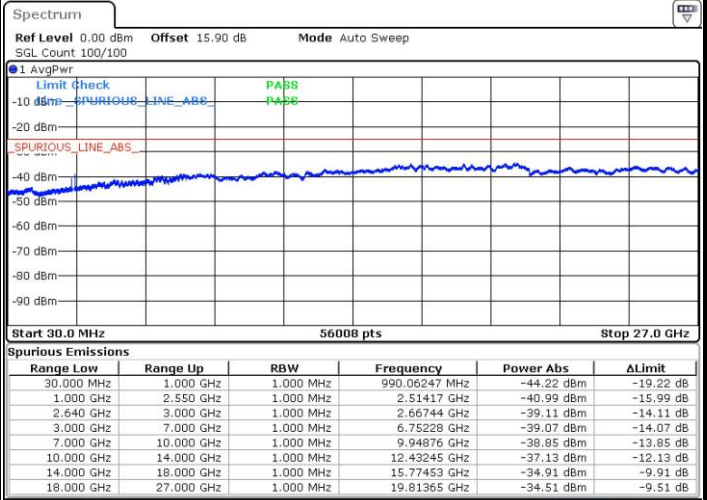
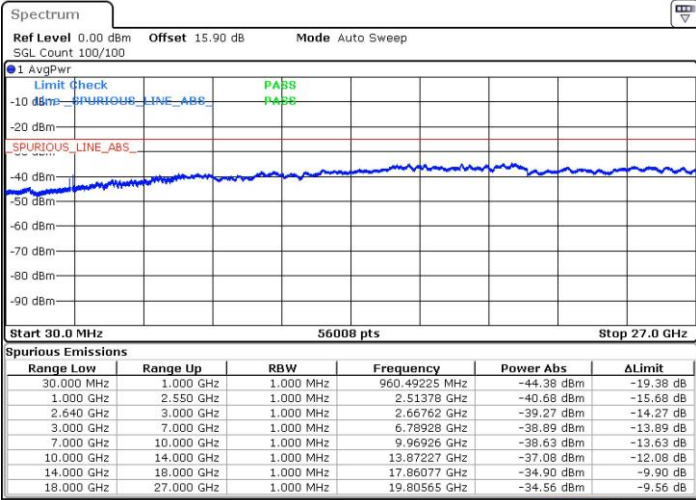
Date: 24 JUL 2019 01:04:52



LTE Band 38 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

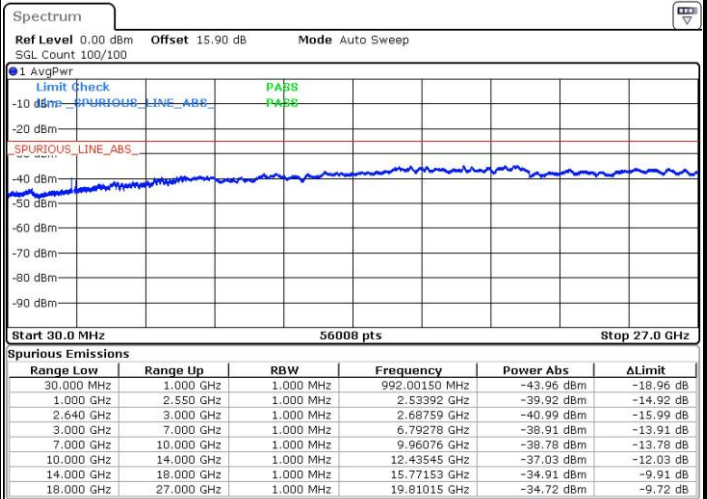
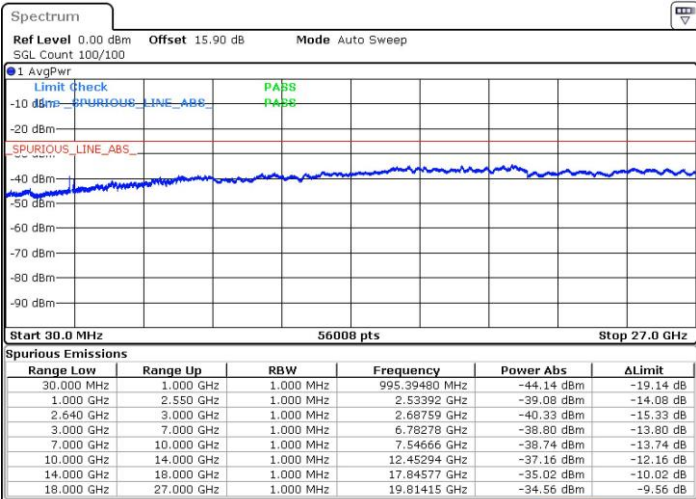


Date: 24 JUL 2019 01:05:44

Date: 24 JUL 2019 01:06:35

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 24 JUL 2019 01:07:26

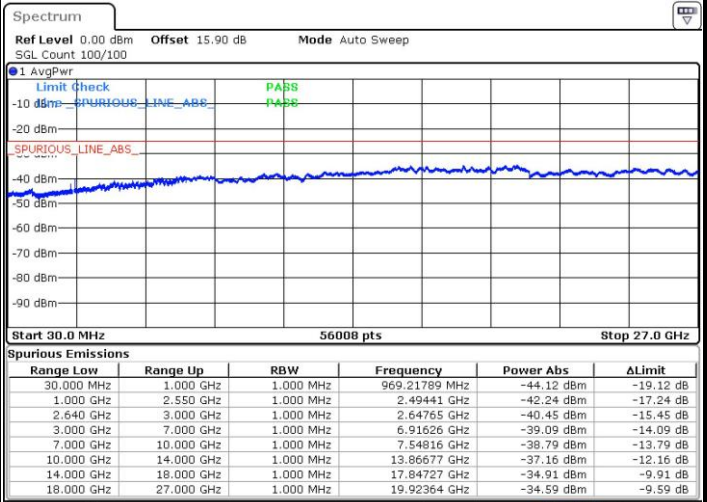
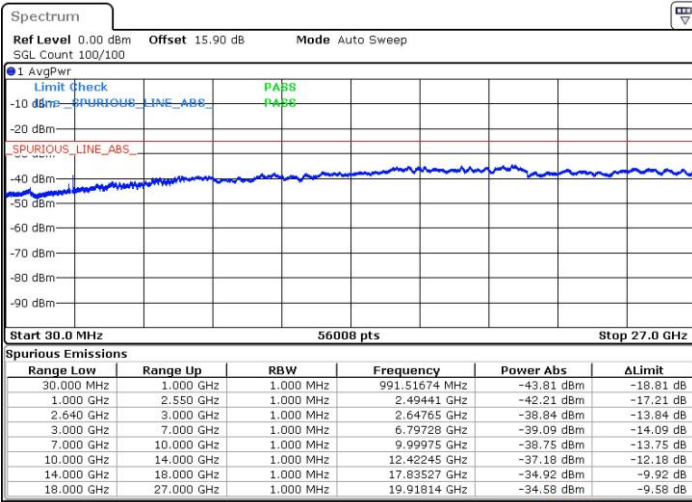
Date: 24 JUL 2019 01:08:18



LTE Band 38 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

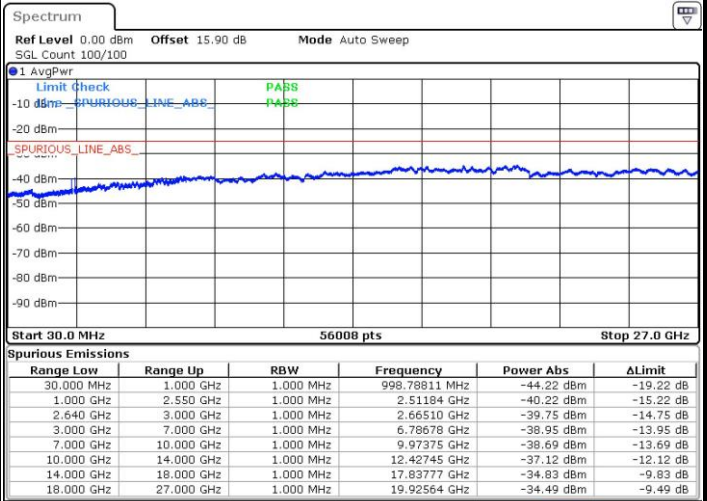
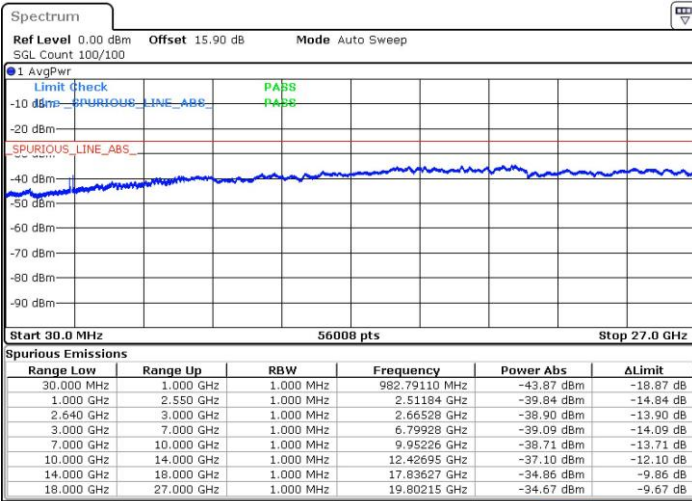


Date: 24 JUL 2019 01:09:10

Date: 24 JUL 2019 01:10:02

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 24 JUL 2019 01:10:53

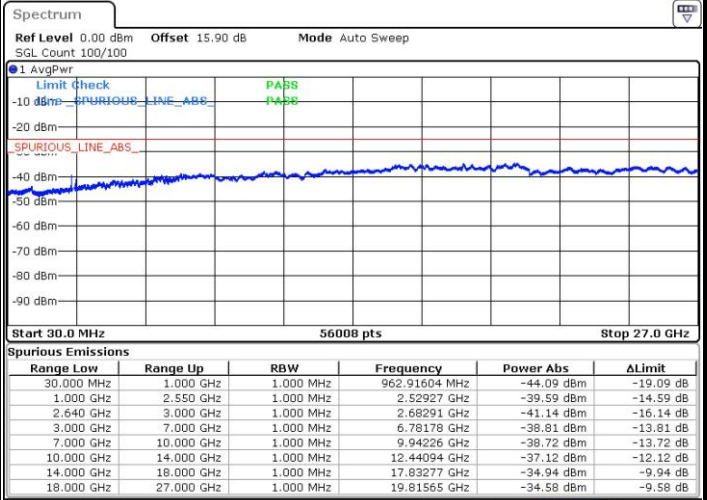
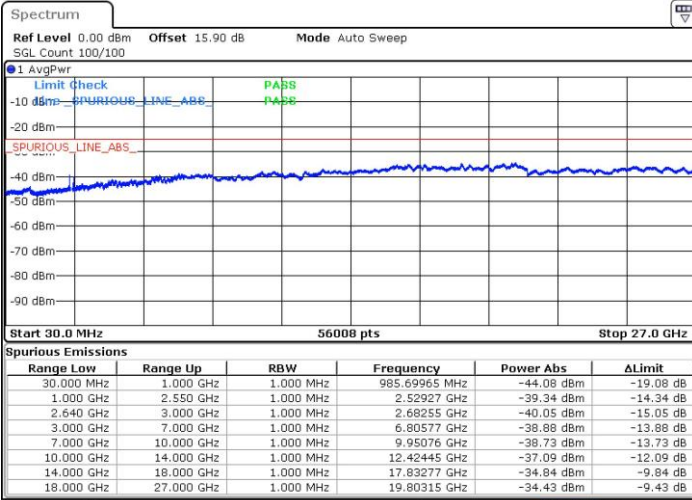
Date: 24 JUL 2019 01:11:44



LTE Band 38 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



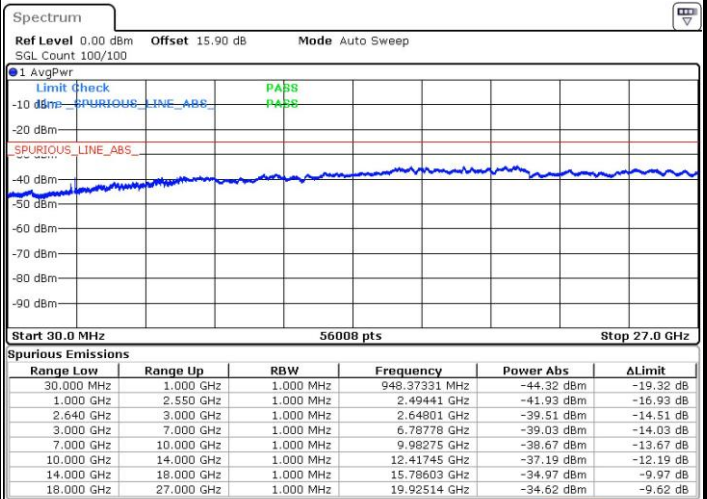
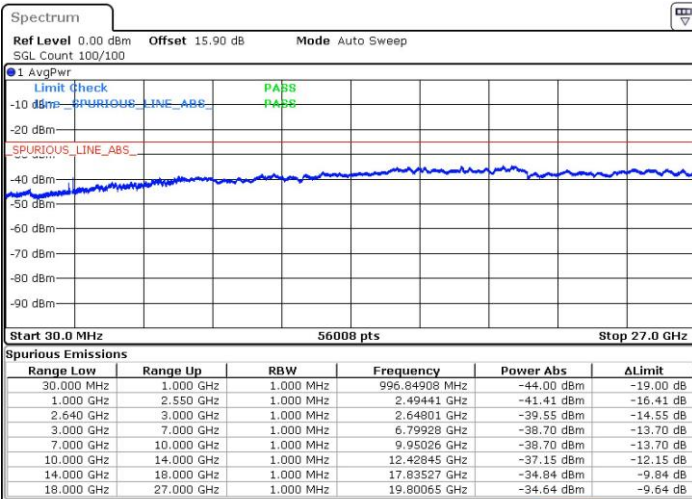
Date: 24 JUL 2019 01:12:36

Date: 24 JUL 2019 01:13:27

LTE Band 38 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 24 JUL 2019 01:16:54

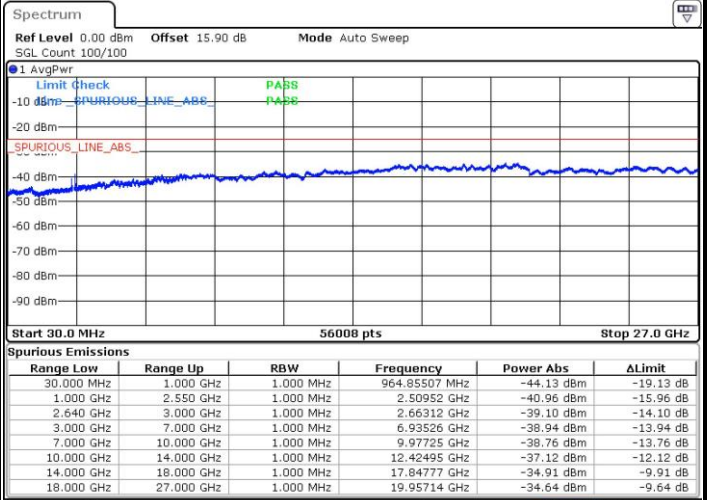
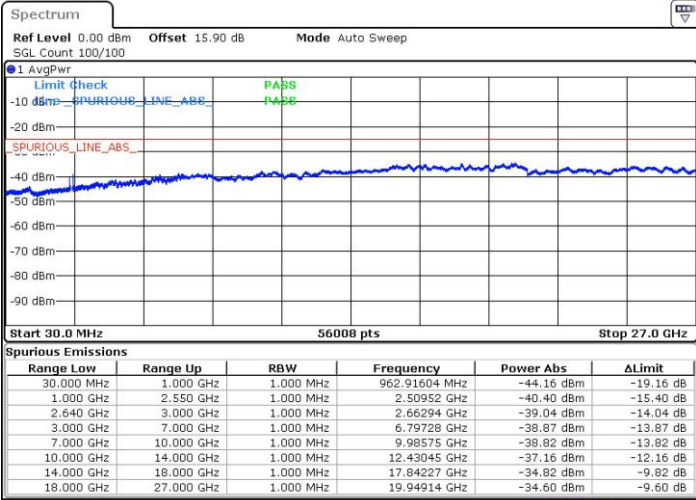
Date: 24 JUL 2019 01:17:45



LTE Band 38 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

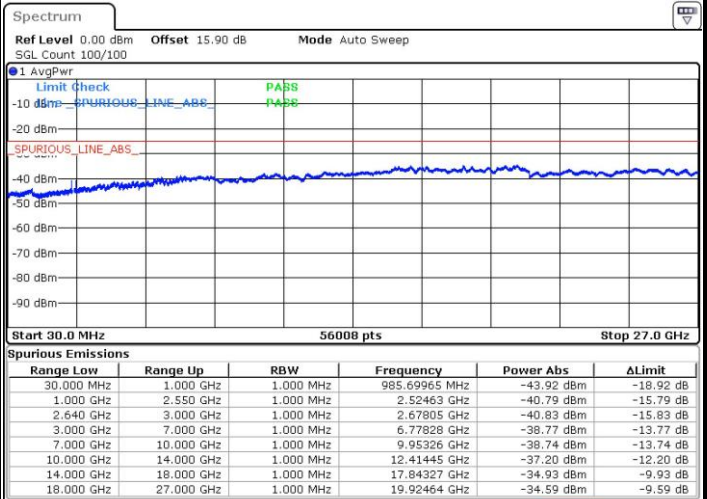
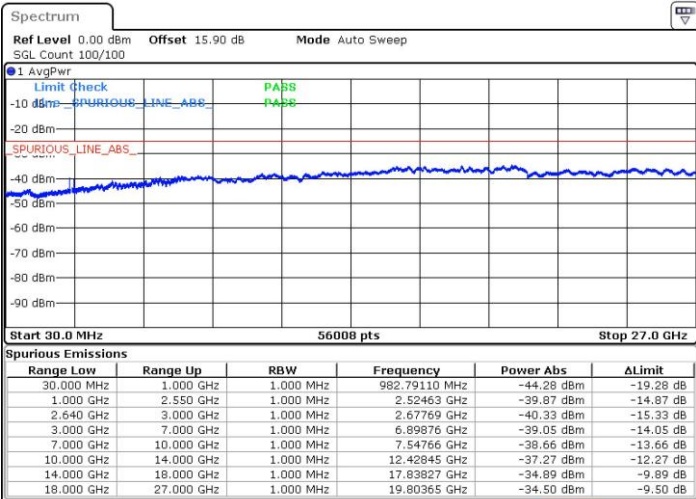


Date: 24 JUL 2019 01:18:36

Date: 24 JUL 2019 01:19:27

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 24 JUL 2019 01:20:19

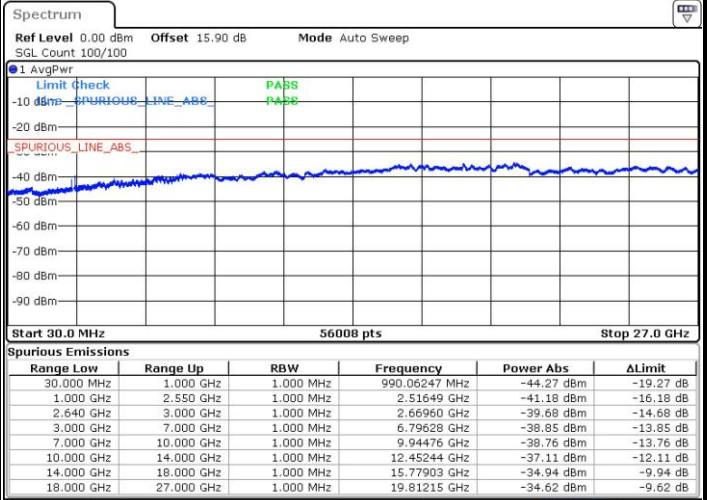
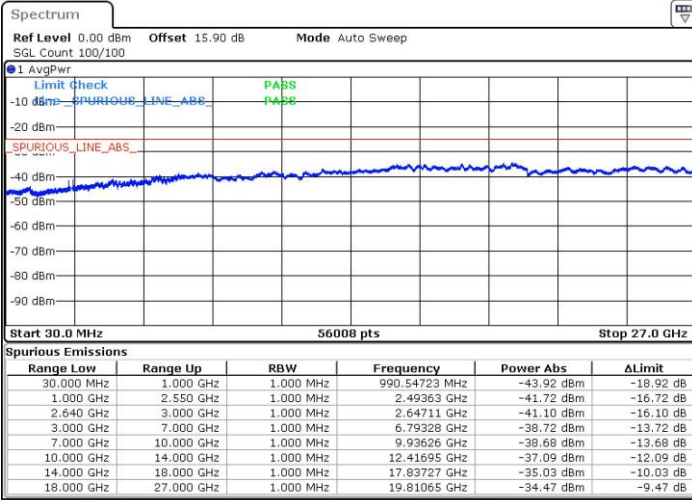
Date: 24 JUL 2019 01:21:10



LTE Band 38 / 5MHz

Lowest Channel / 64QAM

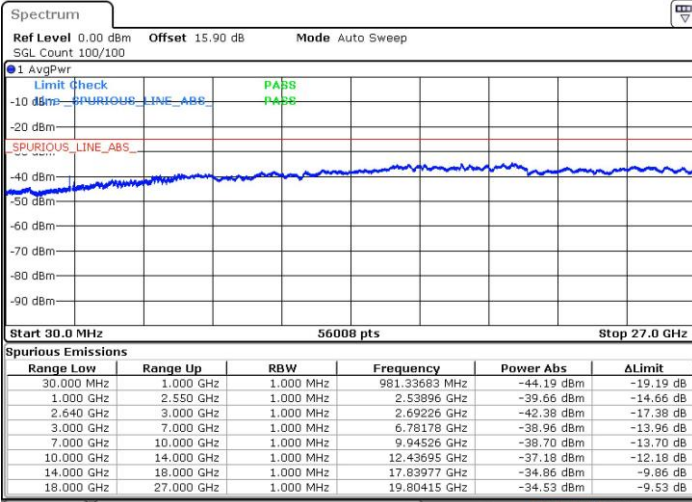
Middle Channel / 64QAM



Date: 24.JUL.2019 00:53:43

Date: 24.JUL.2019 00:54:35

Highest Channel / 64QAM



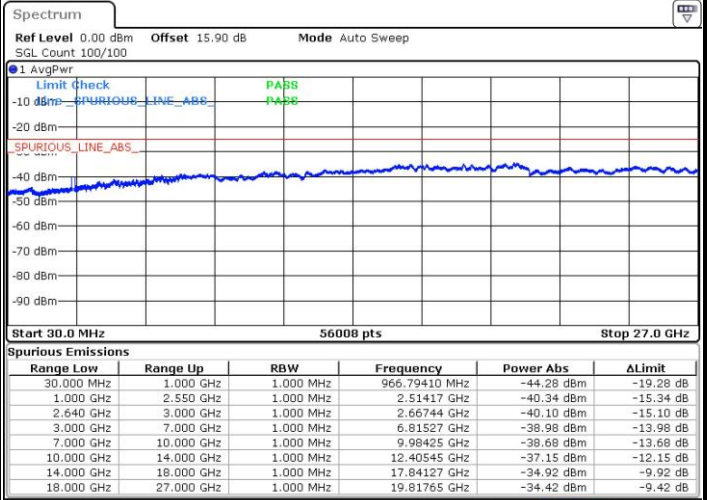
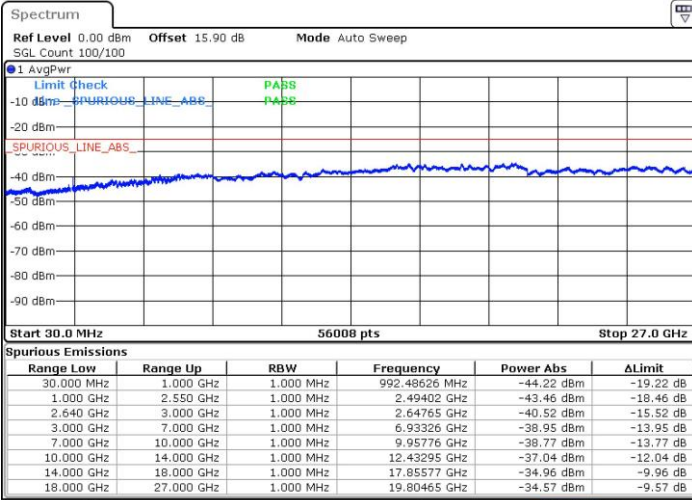
Date: 24.JUL.2019 00:55:26



LTE Band 38 / 10MHz

Lowest Channel / 64QAM

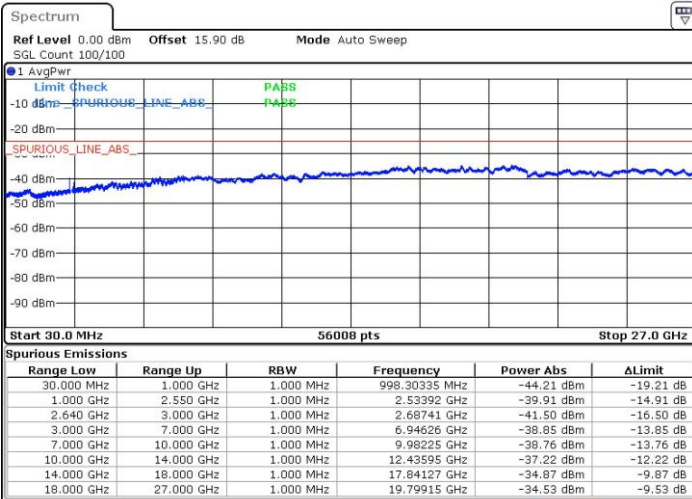
Middle Channel / 64QAM



Date: 24.JUL.2019 01:01:26

Date: 24.JUL.2019 01:02:18

Highest Channel / 64QAM



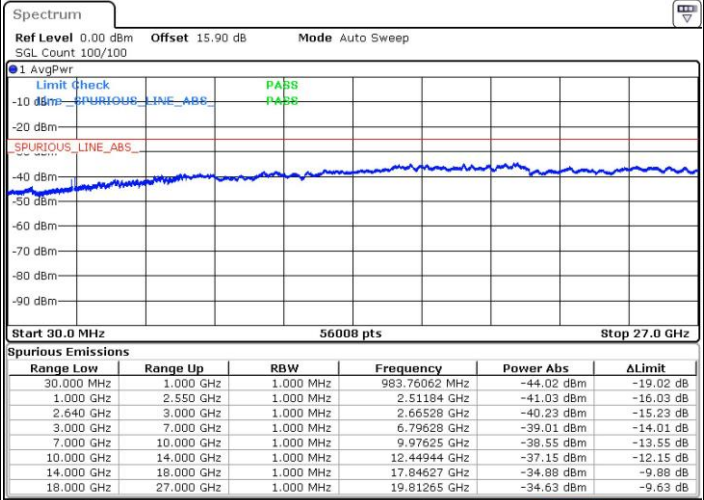
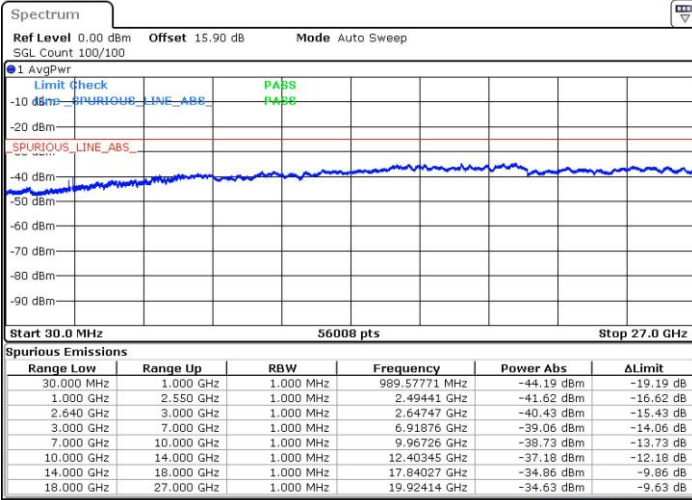
Date: 24.JUL.2019 01:03:09



LTE Band 38 / 15MHz

Lowest Channel / 64QAM

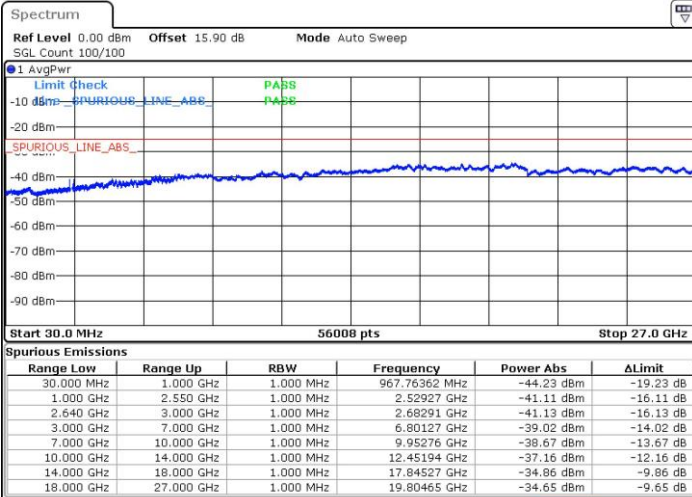
Middle Channel / 64QAM



Date: 24.JUL.2019 01:14:19

Date: 24.JUL.2019 01:15:10

Highest Channel / 64QAM



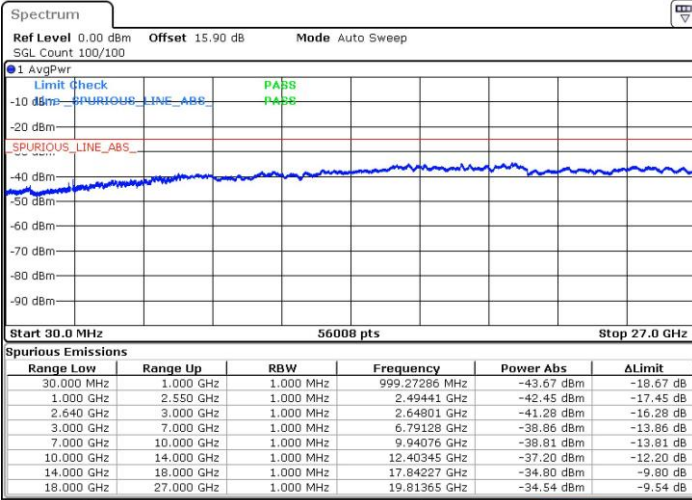
Date: 24.JUL.2019 01:16:01



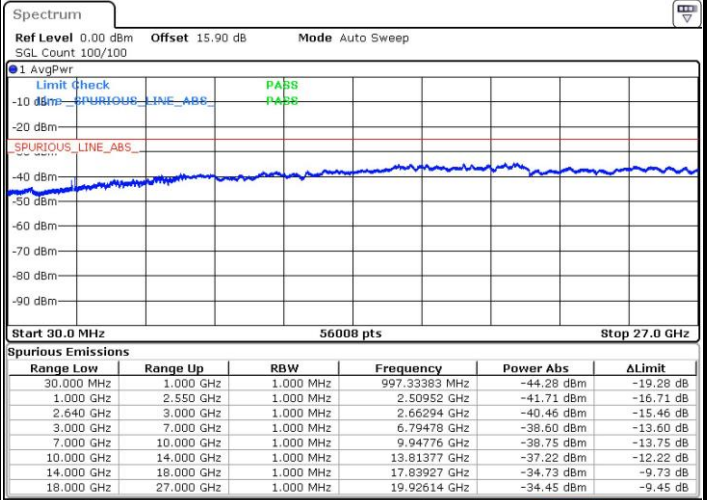
LTE Band 38 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

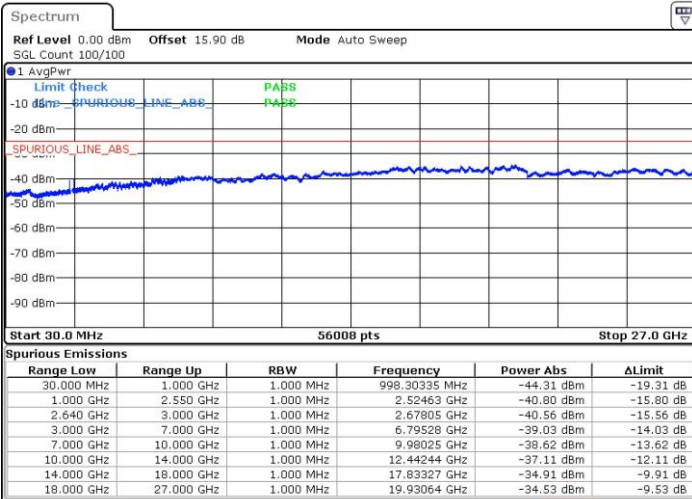


Date: 24.JUL.2019 01:22:02



Date: 24.JUL.2019 01:22:53

Highest Channel / 64QAM



Date: 24.JUL.2019 01:23:45



Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0032	
-20	Normal Voltage	0.0028	
-30	Normal Voltage	0.0064	
20	Maximum Voltage	0.0046	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0031	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.13	4.32	4.87	5.62	PASS
Middle CH	3.57	4.61	5.22	6.00	
Highest CH	3.68	4.84	4.87	6.32	
Mode	LTE Band 41 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.71	6.14	-	-	PASS
Middle CH	6.29	6.52	-	-	
Highest CH	6.09	6.78	-	-	