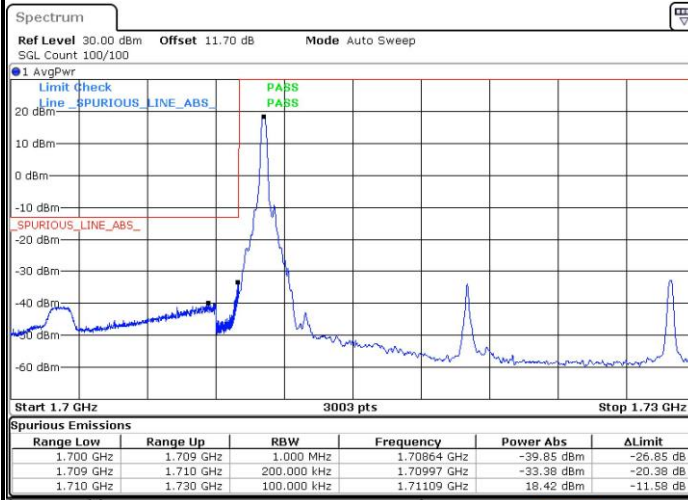


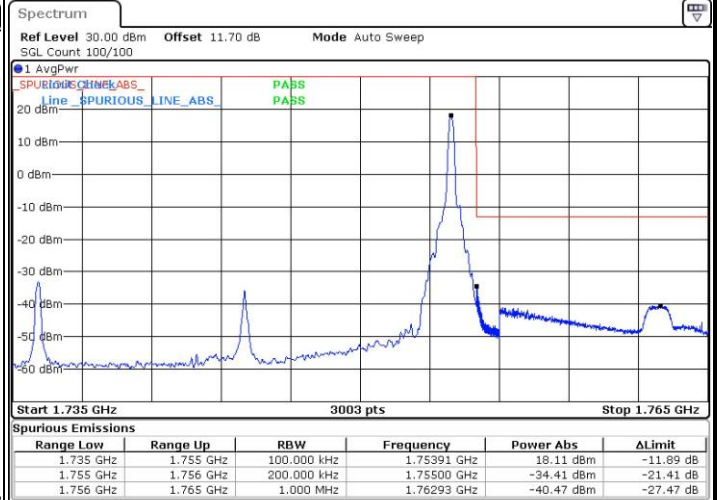


LTE Band 4 / 20MHz / 64QAM

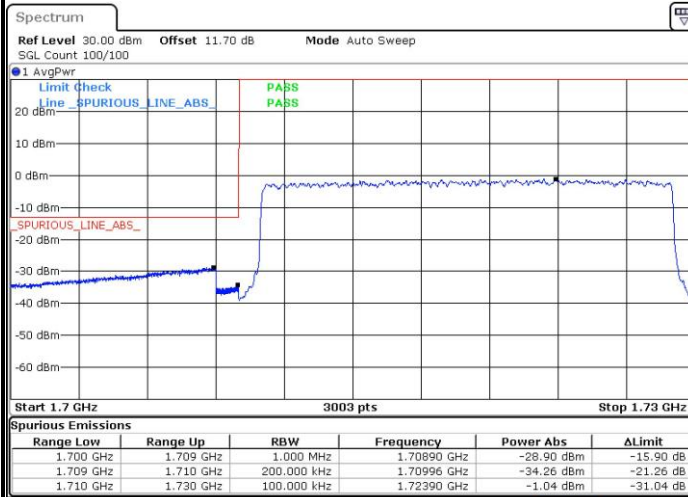
Lowest Band Edge / 1 RB



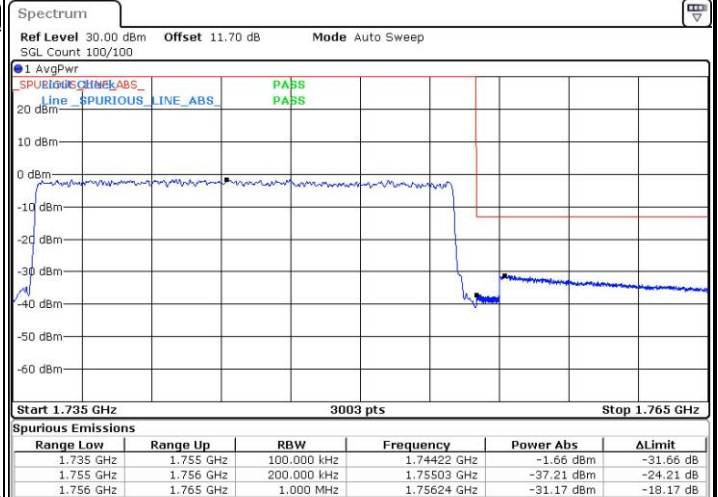
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



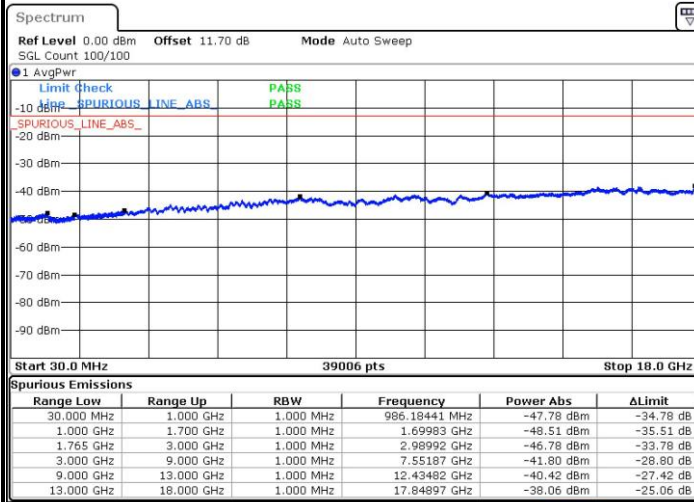


Conducted Spurious Emission



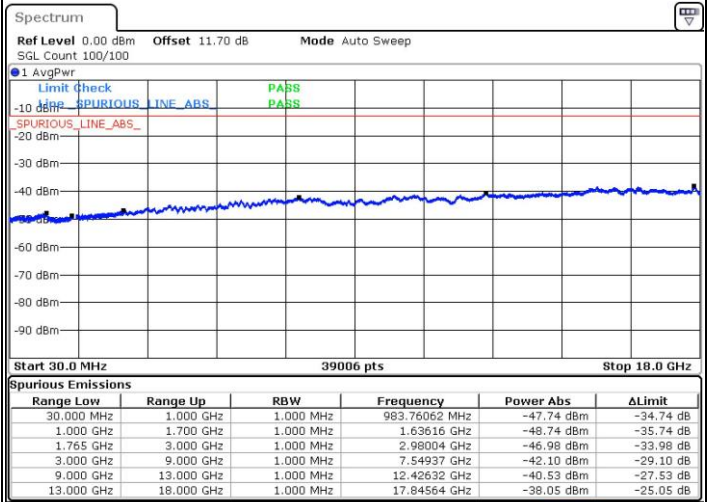
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK



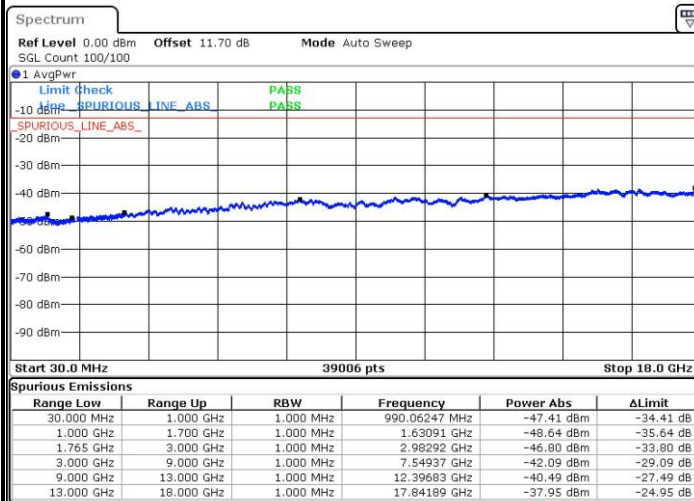
Date: 22 SEP 2018 02:29:47

Lowest Channel / 16QAM



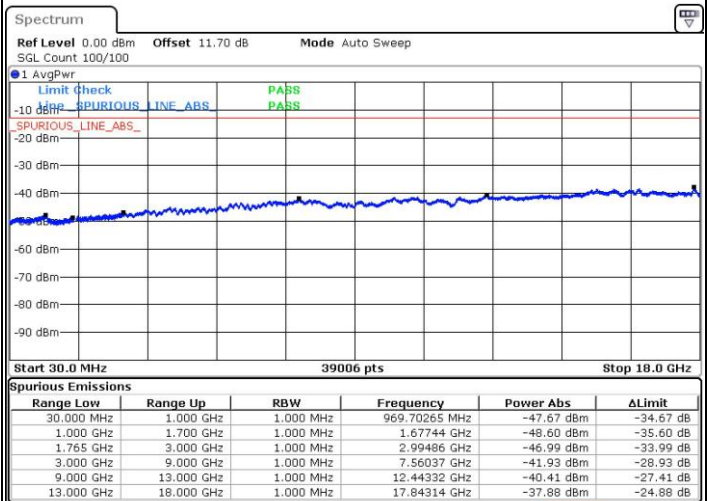
Date: 22 SEP 2018 02:30:48

Middle Channel / QPSK



Date: 22 SEP 2018 02:32:34

Middle Channel / 16QAM

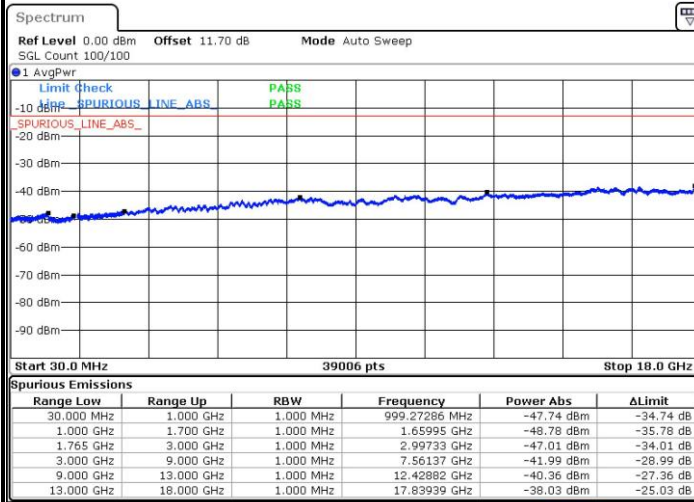


Date: 22 SEP 2018 02:33:35



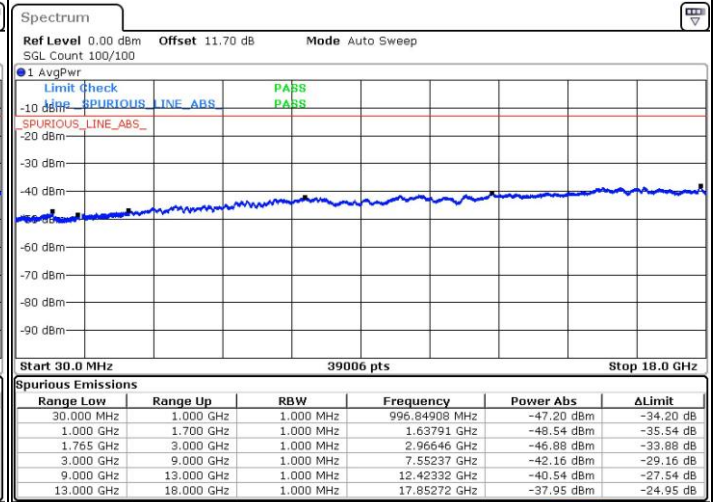
LTE Band 4 / 1.4MHz

Highest Channel / QPSK



Date: 22 SEP 2018 02:40:01

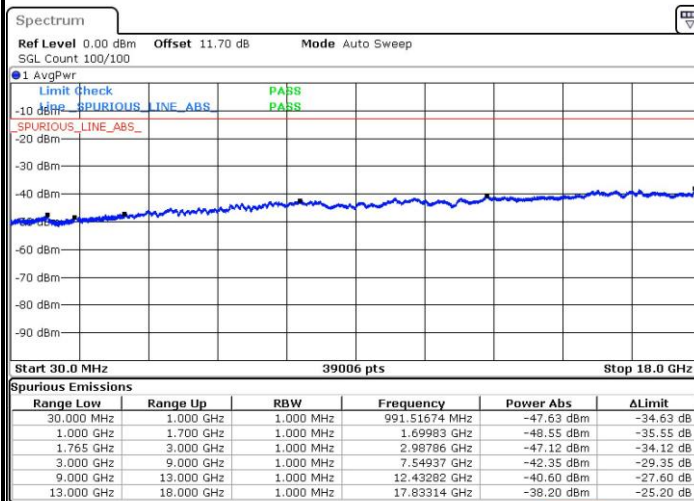
Highest Channel / 16QAM



Date: 22 SEP 2018 02:41:01

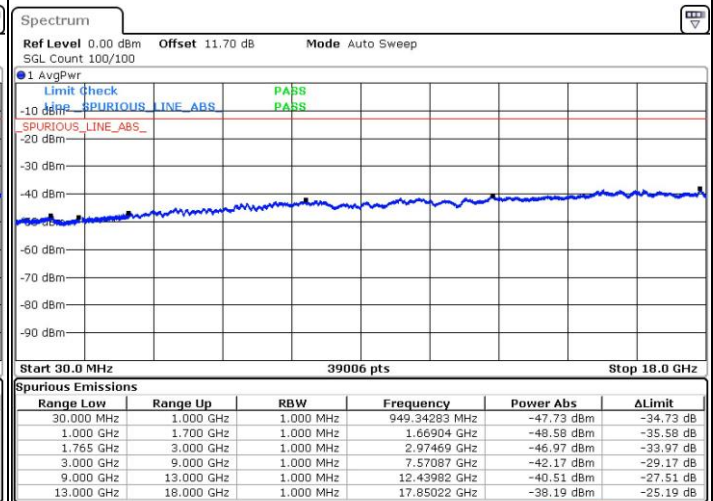
LTE Band 4 / 3MHz

Lowest Channel / QPSK



Date: 21 SEP 2018 23:48:31

Lowest Channel / 16QAM

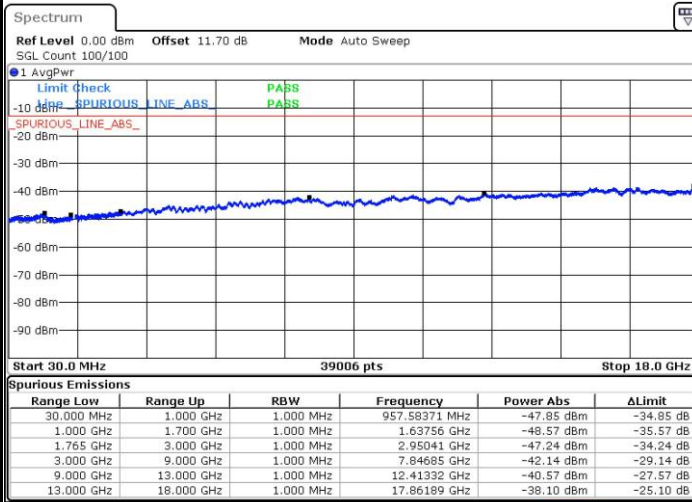


Date: 21 SEP 2018 23:49:32



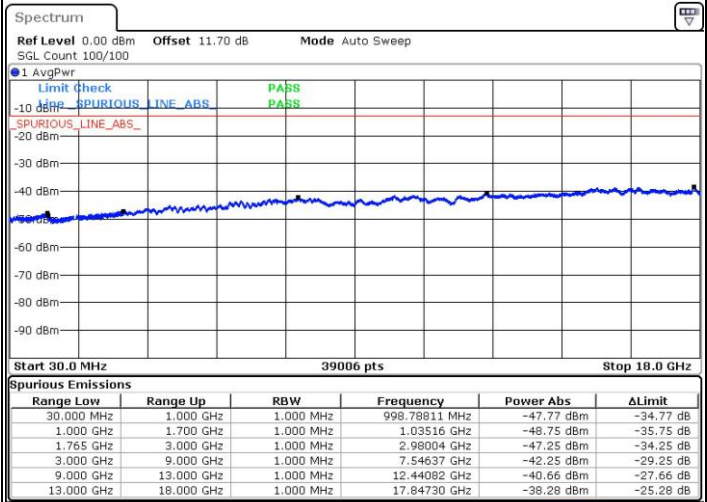
LTE Band 4 / 3MHz

Middle Channel / QPSK



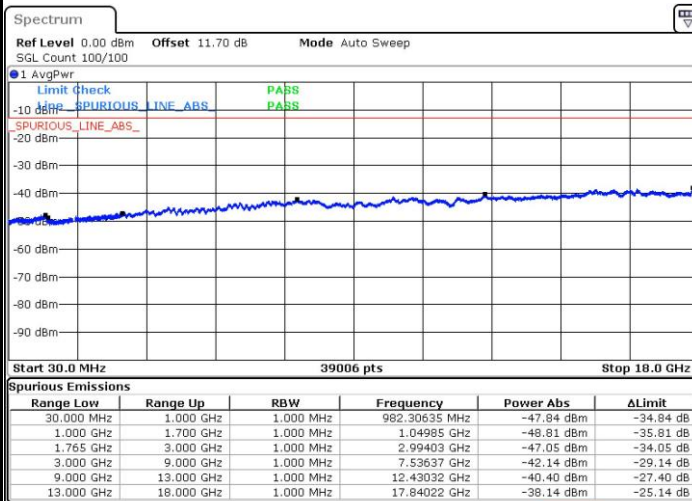
Date: 21.SEP.2018 23:51:18

Middle Channel / 16QAM



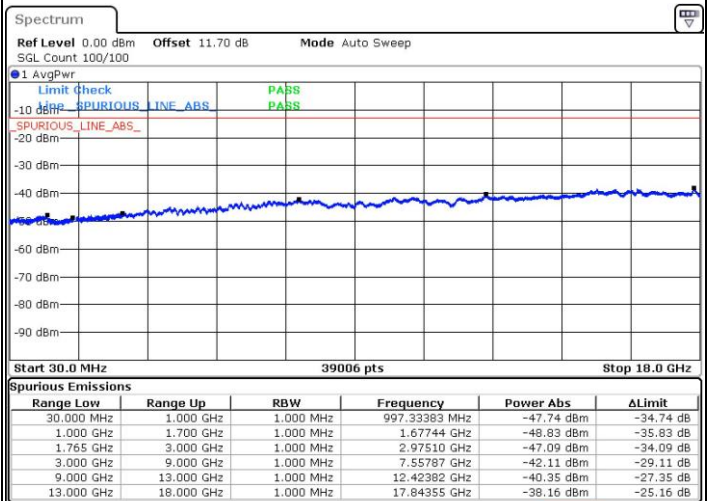
Date: 21.SEP.2018 23:52:18

Highest Channel / QPSK



Date: 21.SEP.2018 23:58:04

Highest Channel / 16QAM

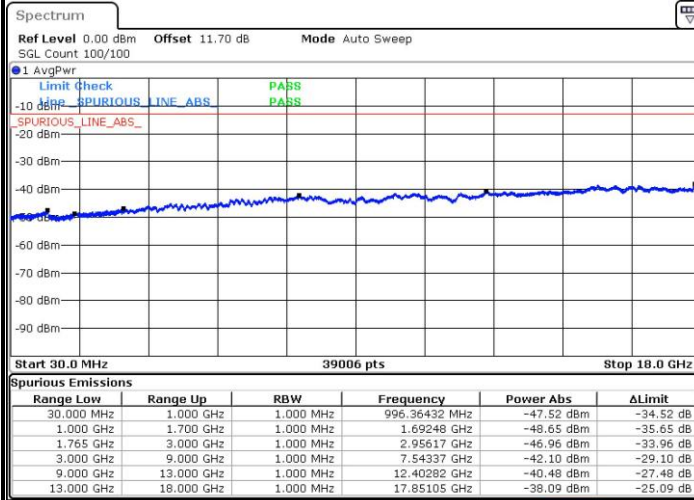


Date: 21.SEP.2018 23:59:05



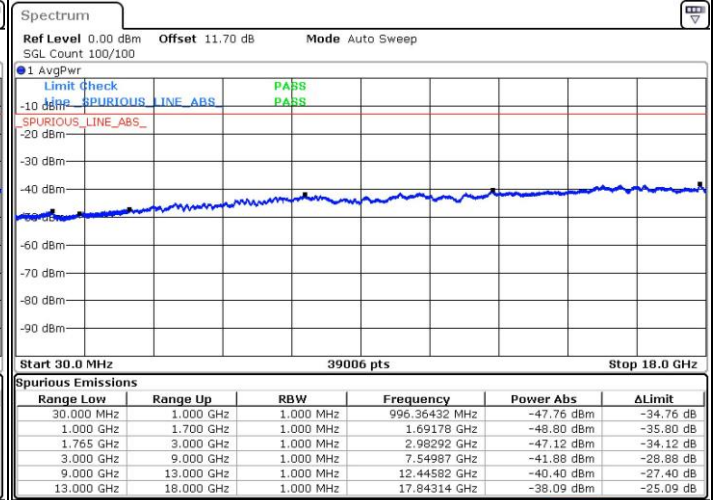
LTE Band 4 / 5MHz

Lowest Channel / QPSK



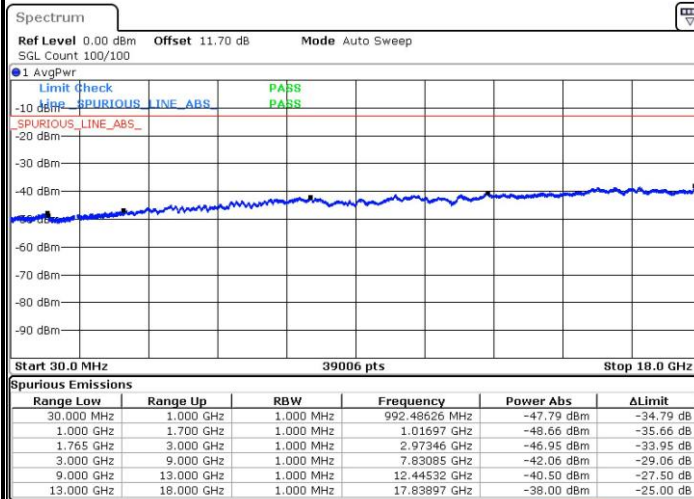
Date: 22 SEP 2018 01:07:10

Lowest Channel / 16QAM



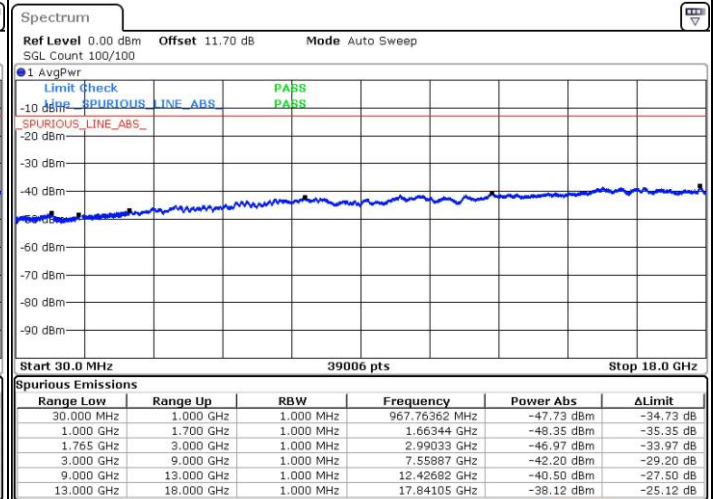
Date: 22 SEP 2018 01:08:10

Middle Channel / QPSK



Date: 22 SEP 2018 01:09:10

Middle Channel / 16QAM

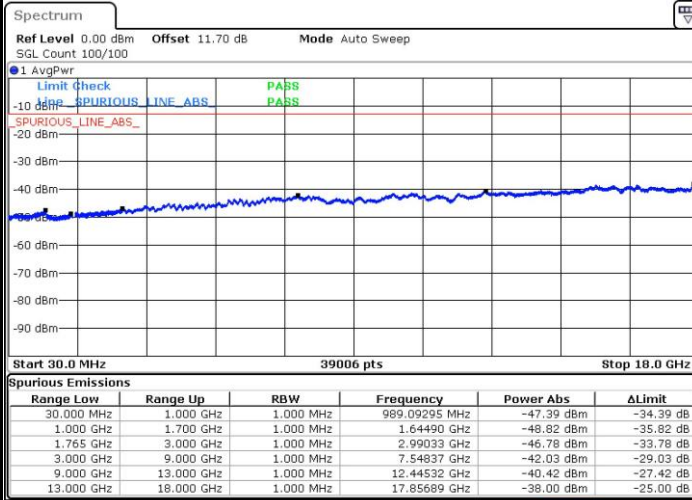


Date: 22 SEP 2018 01:10:11



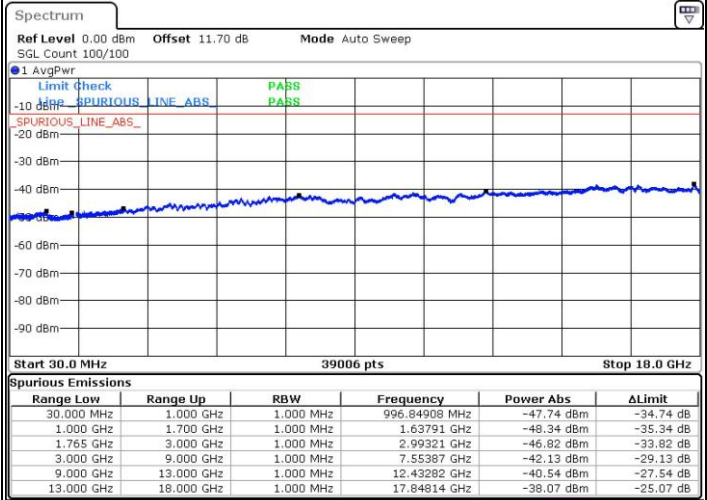
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 22 SEP 2018 01:11:11

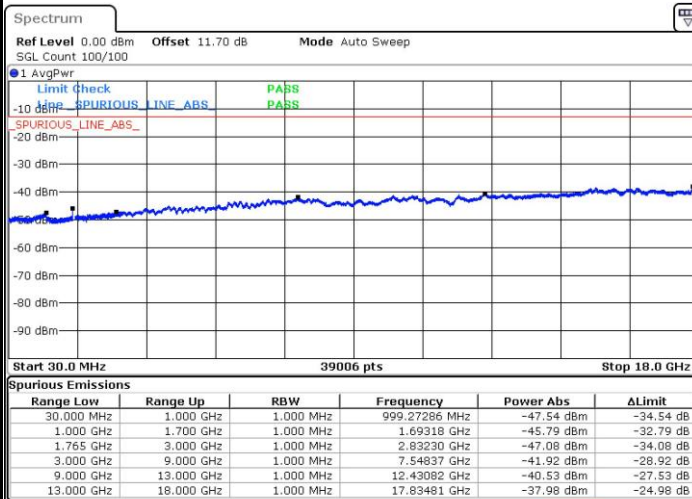
Highest Channel / 16QAM



Date: 22 SEP 2018 01:12:12

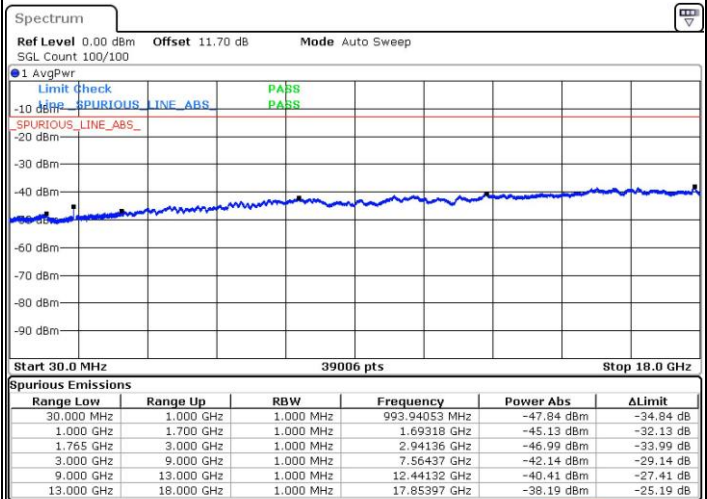
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 22 SEP 2018 01:13:12

Lowest Channel / 16QAM

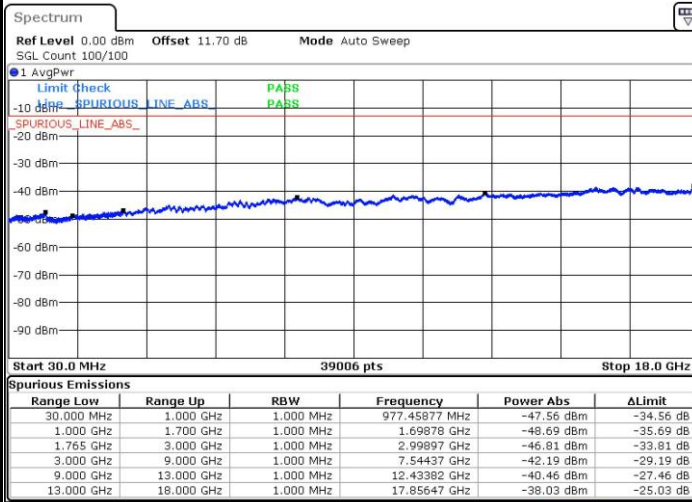


Date: 22 SEP 2018 01:14:13



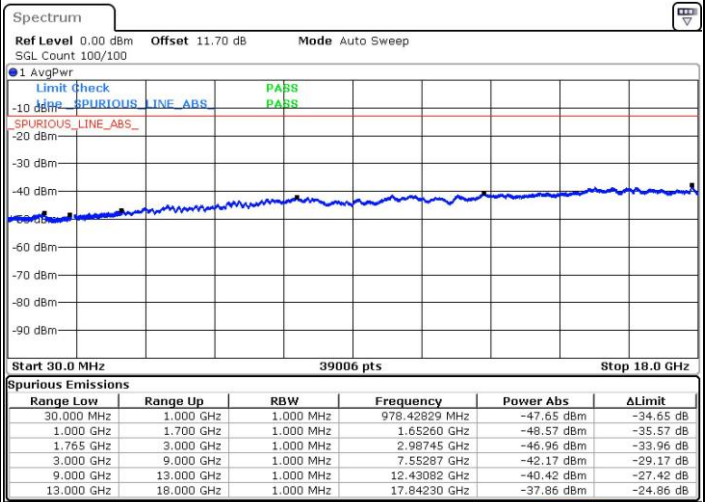
LTE Band 4 / 10MHz

Middle Channel / QPSK



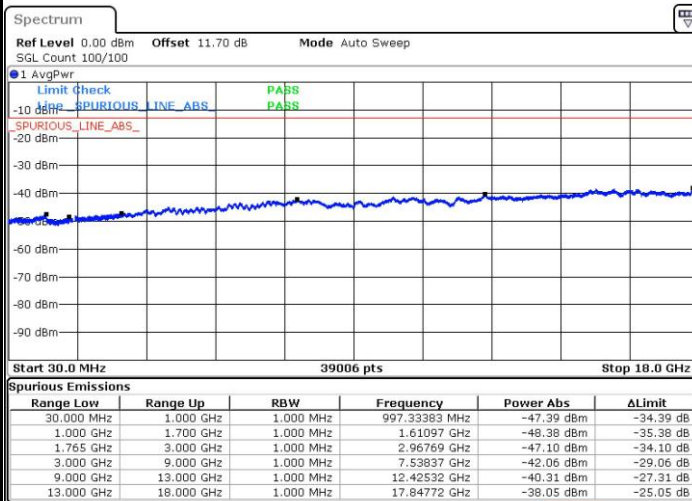
Date: 22 SEP 2018 01:15:13

Middle Channel / 16QAM



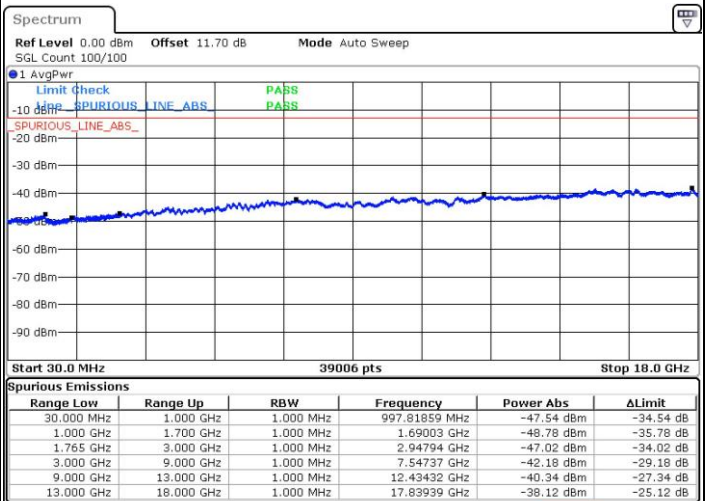
Date: 22 SEP 2018 01:16:13

Highest Channel / QPSK



Date: 22 SEP 2018 01:17:14

Highest Channel / 16QAM

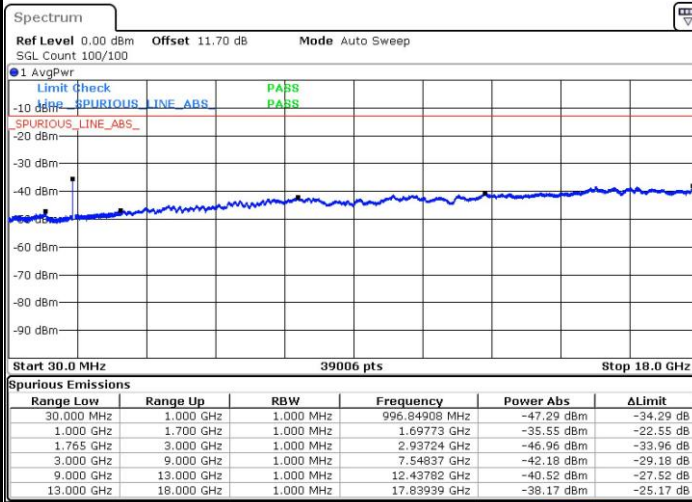


Date: 22 SEP 2018 01:18:14



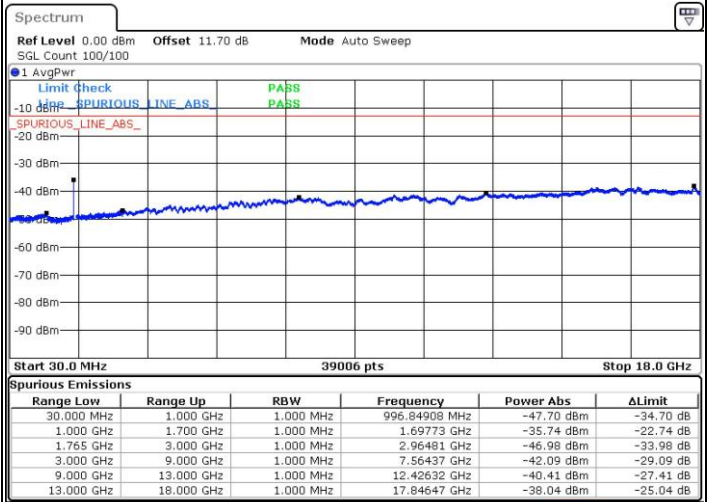
LTE Band 4 / 15MHz

Lowest Channel / QPSK



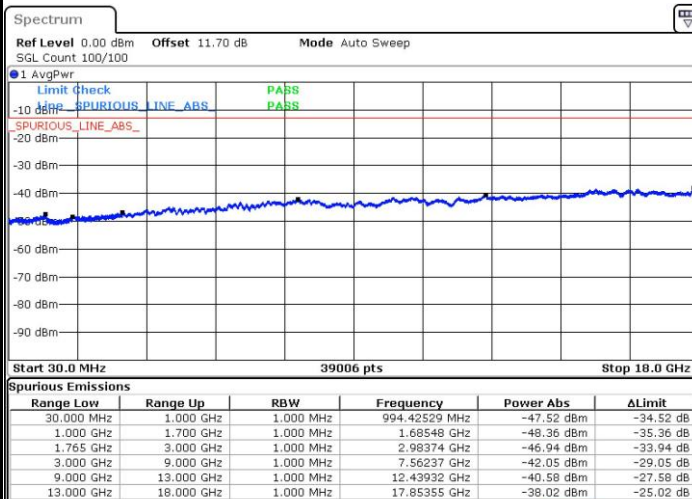
Date: 22 SEP 2018 01:19:15

Lowest Channel / 16QAM



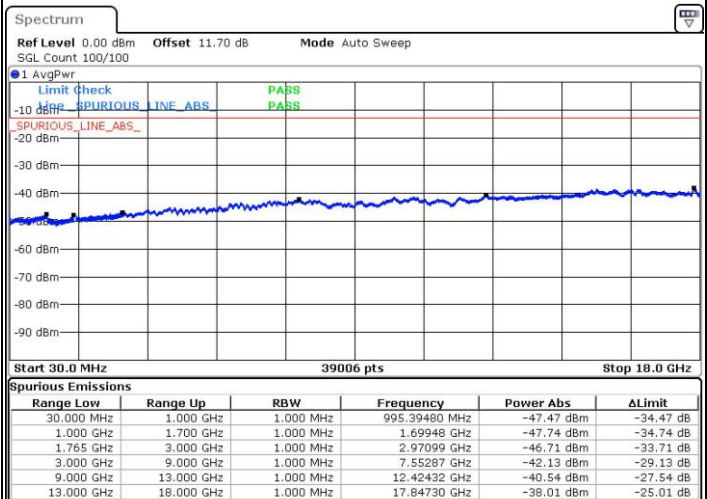
Date: 22 SEP 2018 01:20:15

Middle Channel / QPSK



Date: 22 SEP 2018 01:21:15

Middle Channel / 16QAM

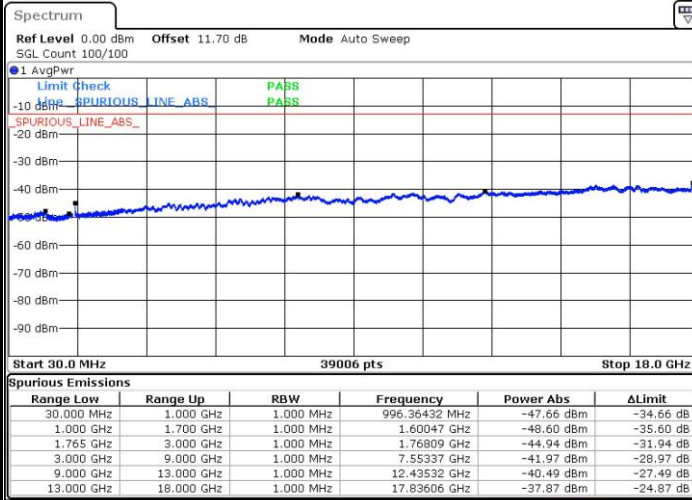


Date: 22 SEP 2018 01:22:16



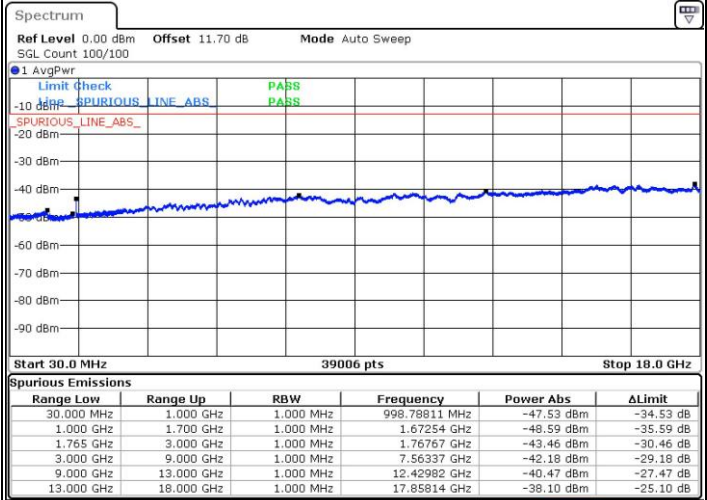
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 22 SEP 2018 01:23:17

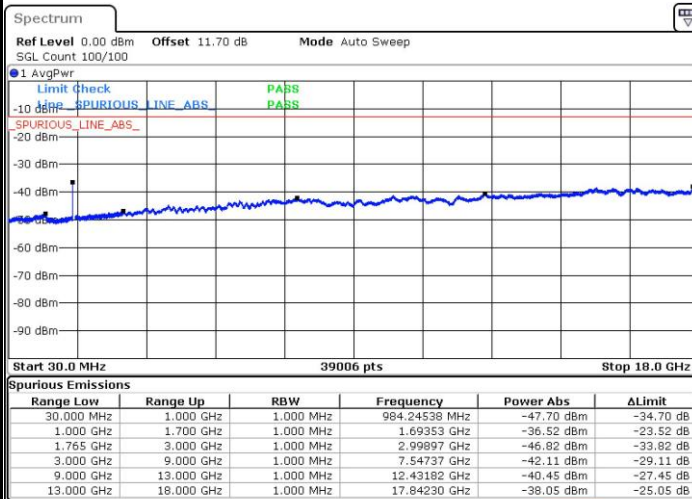
Highest Channel / 16QAM



Date: 22 SEP 2018 01:24:17

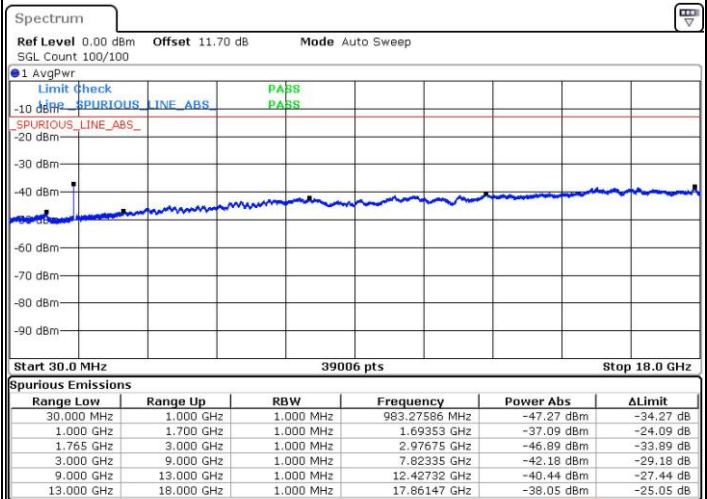
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 22 SEP 2018 01:25:18

Lowest Channel / 16QAM

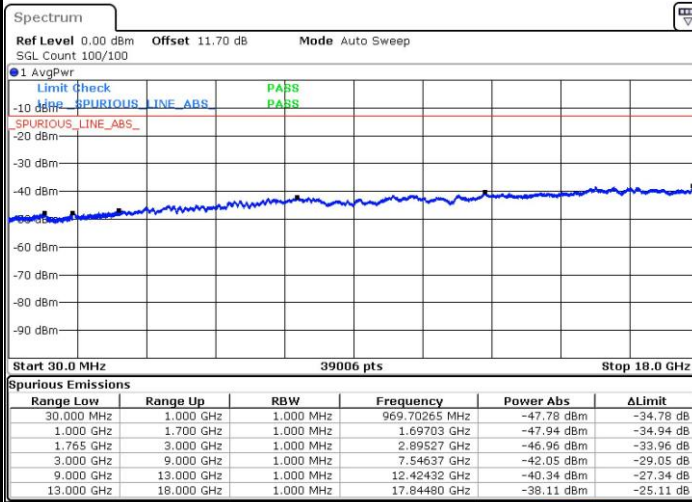


Date: 22 SEP 2018 01:26:18



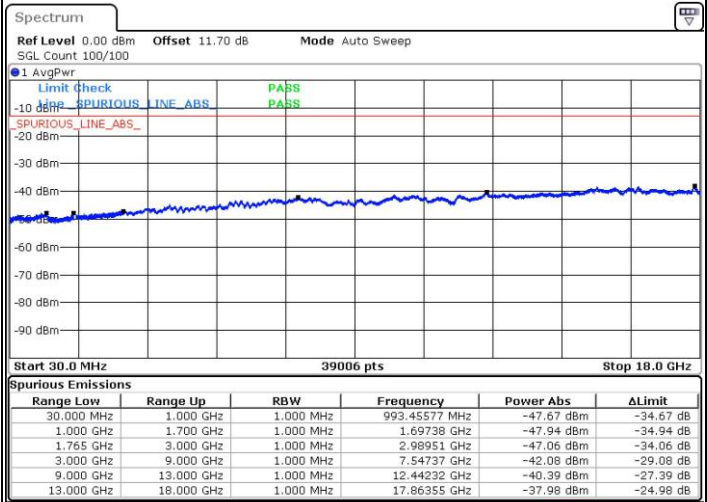
LTE Band 4 / 20MHz

Middle Channel / QPSK



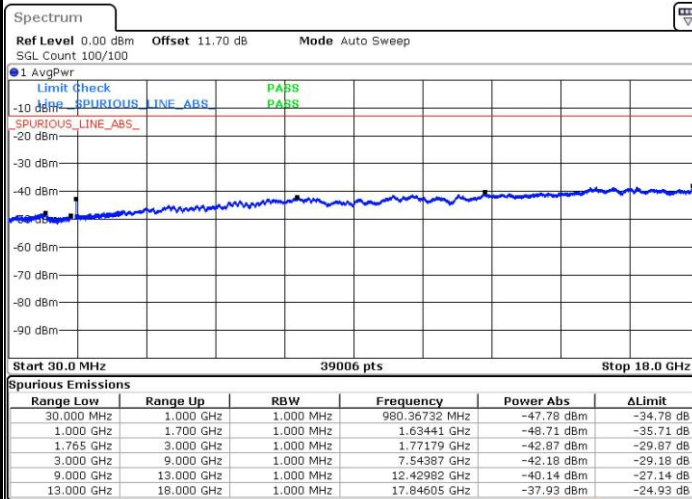
Date: 22 SEP 2018 01:27:19

Middle Channel / 16QAM



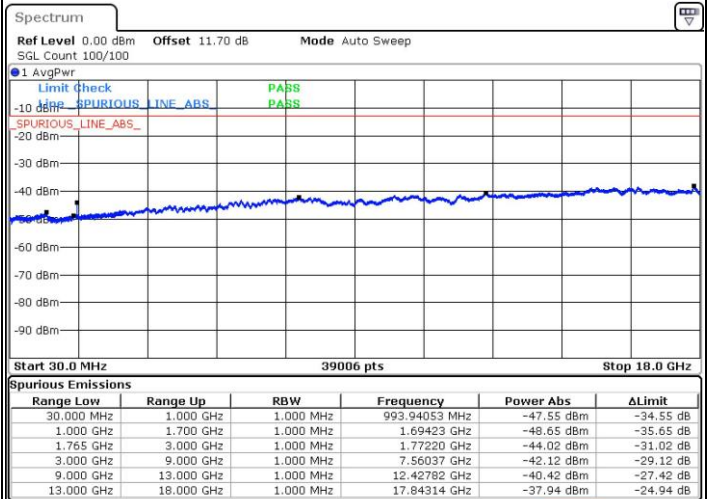
Date: 22 SEP 2018 01:28:19

Highest Channel / QPSK



Date: 22 SEP 2018 01:29:20

Highest Channel / 16QAM

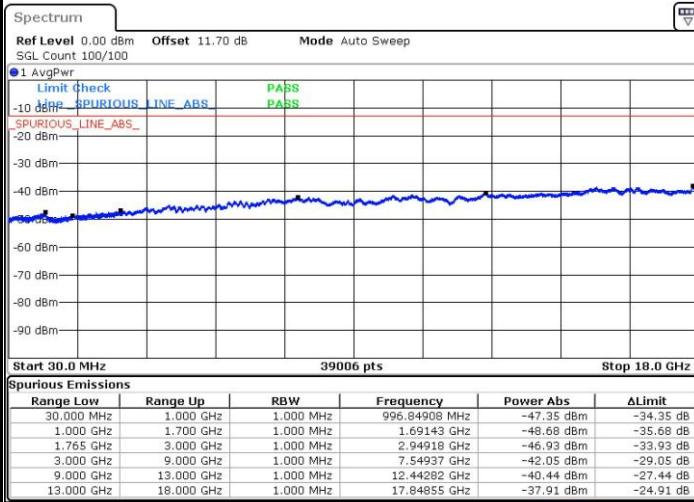


Date: 22 SEP 2018 01:30:20



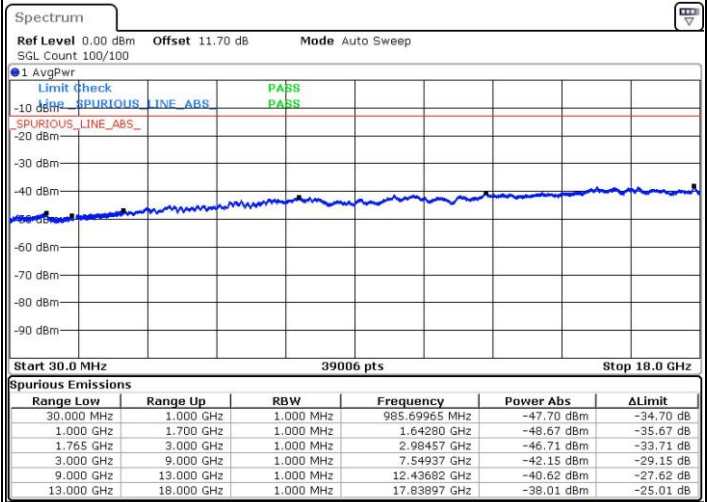
LTE Band 4 / 1.4MHz

Lowest Channel / 64QAM



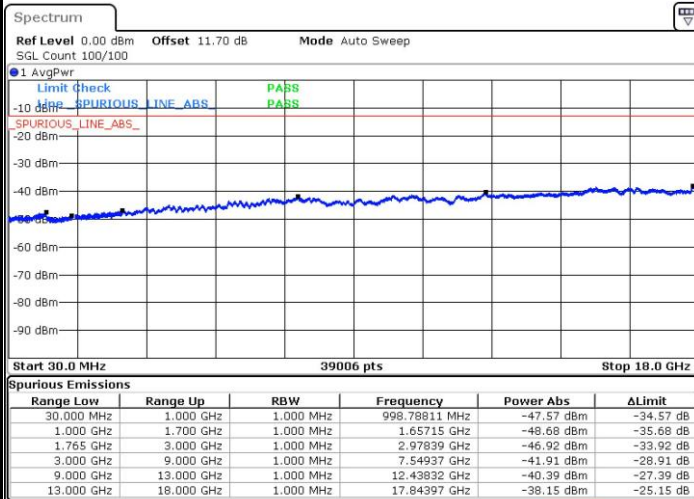
Date: 22 SEP 2018 02:18:14

Middle Channel / 64QAM



Date: 22 SEP 2018 02:19:37

Highest Channel / 64QAM

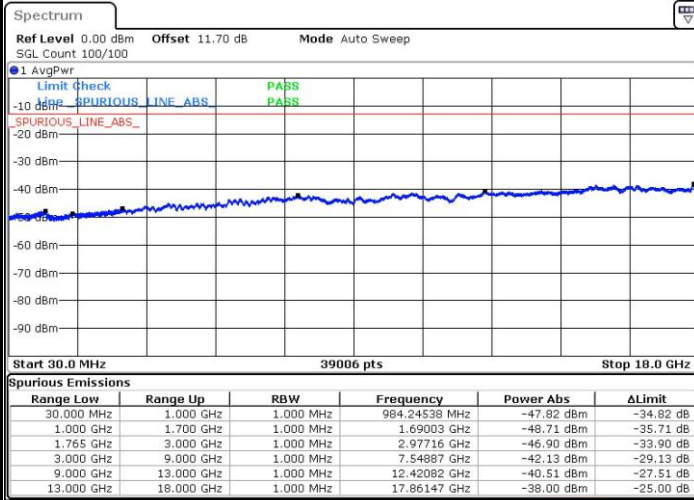


Date: 22 SEP 2018 02:23:21



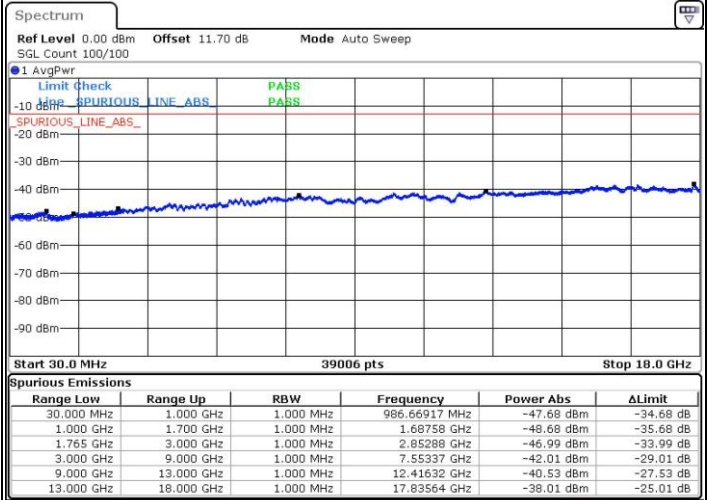
LTE Band 4 / 3MHz

Lowest Channel / 64QAM



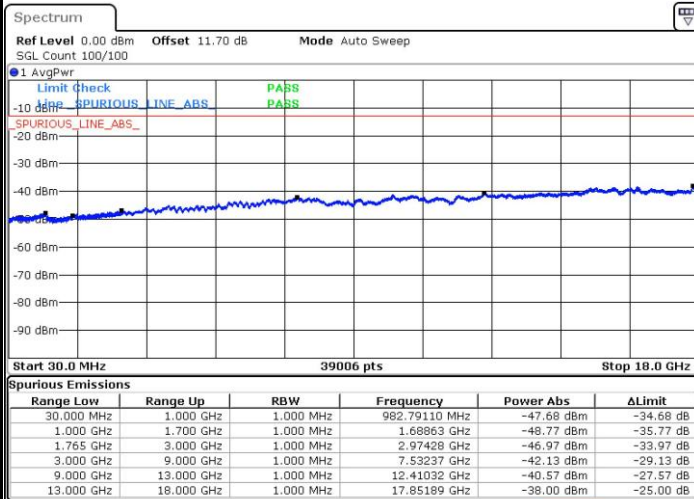
Date: 22 SEP 2018 01:34:04

Middle Channel / 64QAM



Date: 22 SEP 2018 01:35:28

Highest Channel / 64QAM

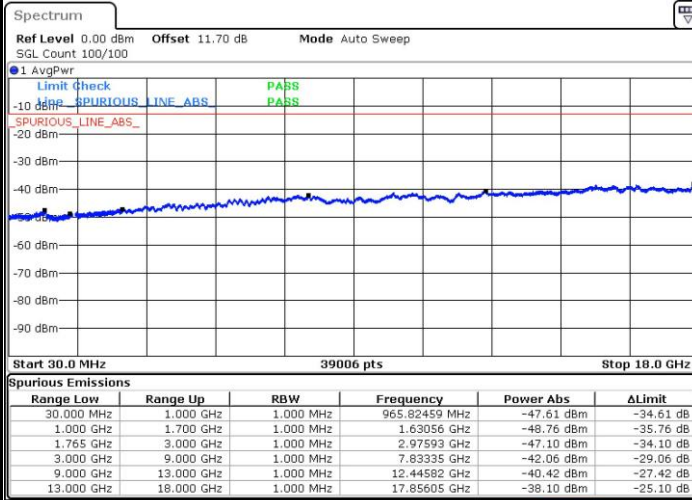


Date: 22 SEP 2018 01:39:11



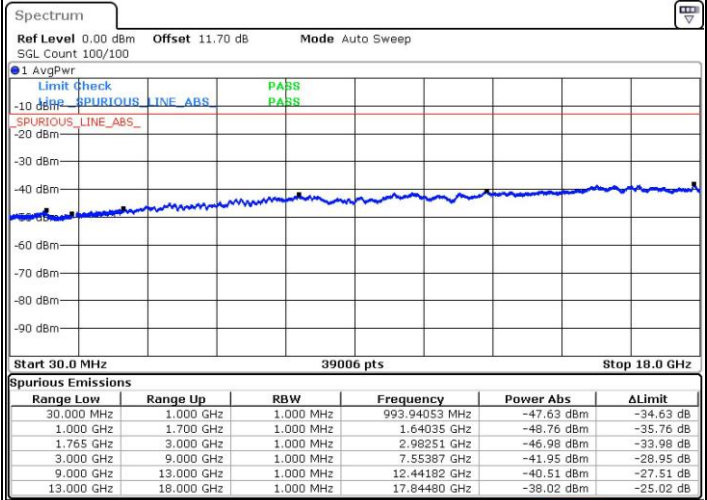
LTE Band 4 / 5MHz

Lowest Channel / 64QAM



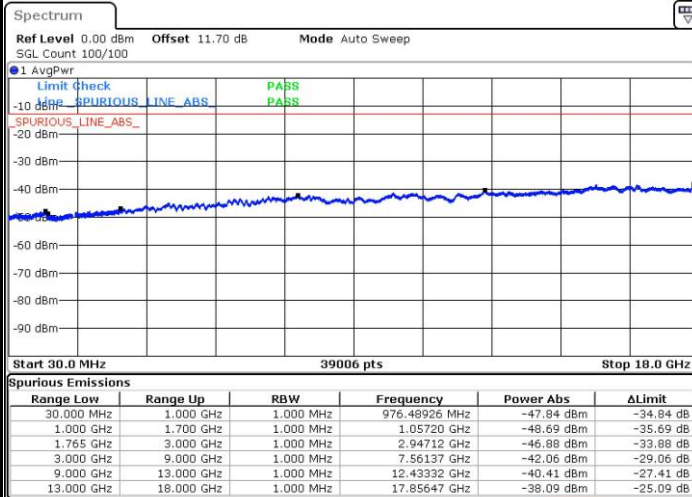
Date: 22 SEP 2018 01:42:54

Middle Channel / 64QAM



Date: 22 SEP 2018 01:44:18

Highest Channel / 64QAM

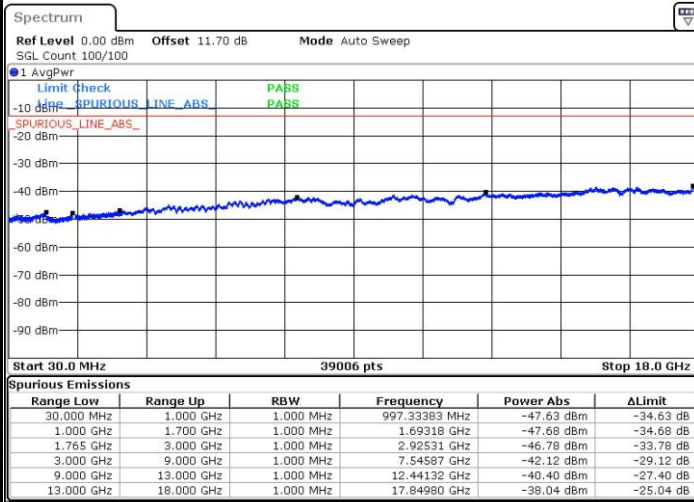


Date: 22 SEP 2018 01:48:01



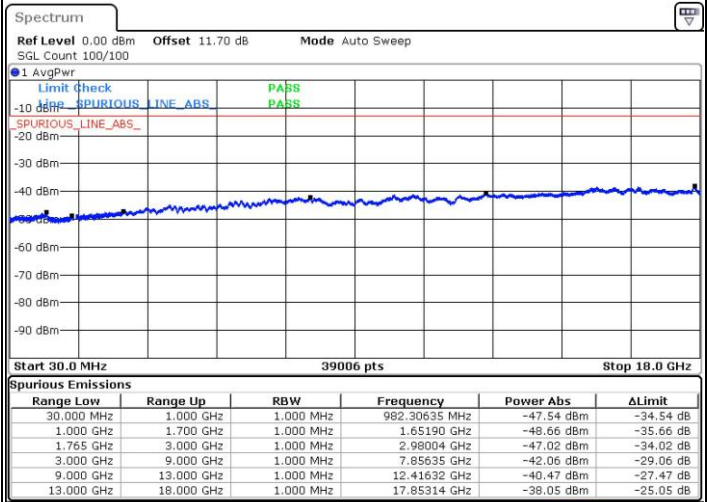
LTE Band 4 / 10MHz

Lowest Channel / 64QAM



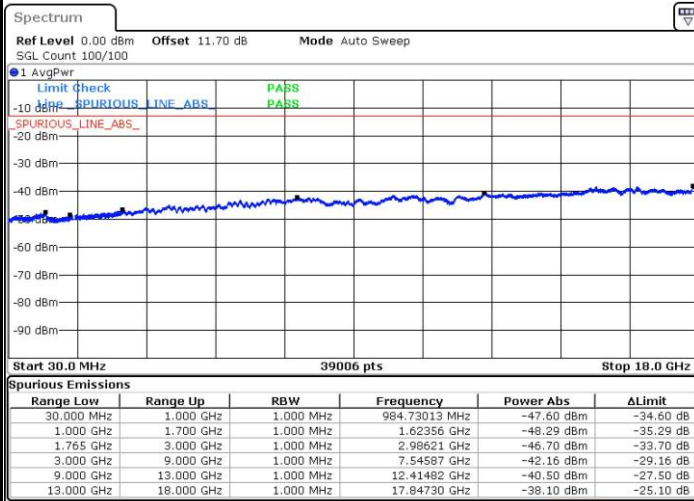
Date: 22 SEP 2018 01:51:44

Middle Channel / 64QAM



Date: 22 SEP 2018 01:53:08

Highest Channel / 64QAM

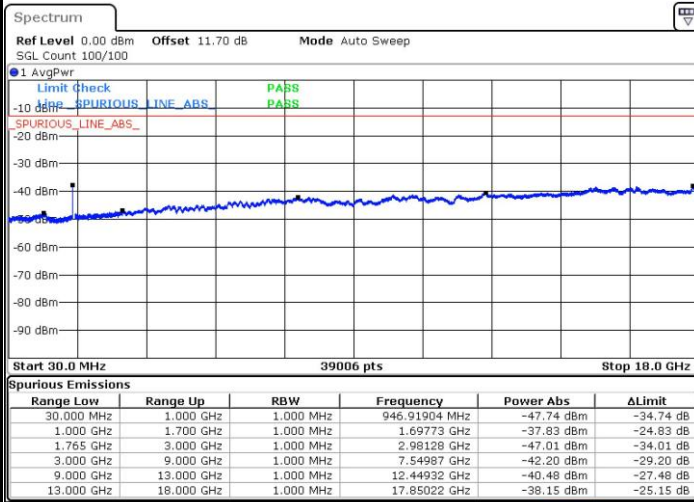


Date: 22 SEP 2018 01:56:51



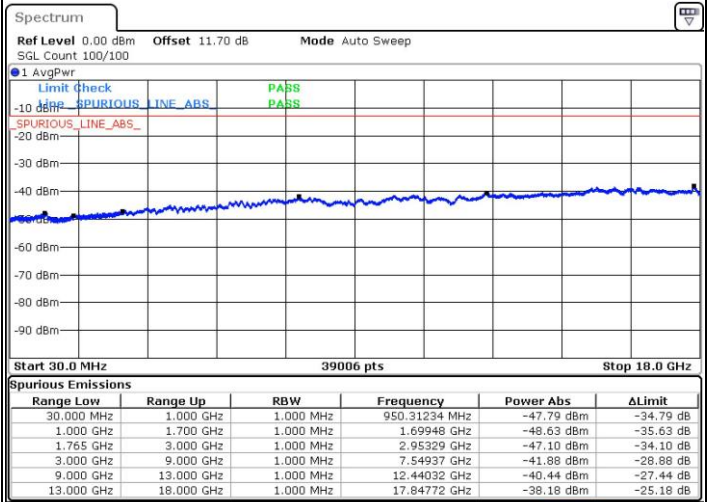
LTE Band 4 / 15MHz

Lowest Channel / 64QAM



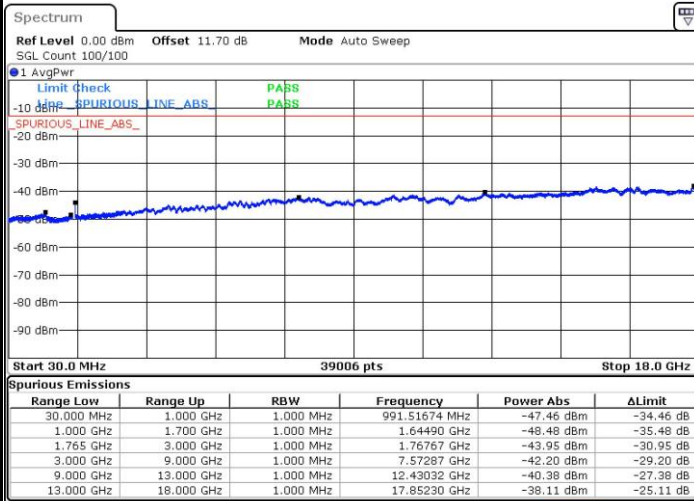
Date: 22 SEP 2018 02:00:35

Middle Channel / 64QAM



Date: 22 SEP 2018 02:01:58

Highest Channel / 64QAM

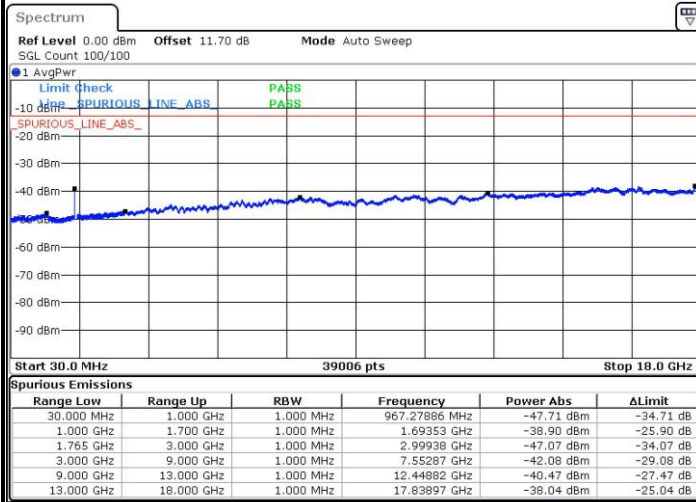


Date: 22 SEP 2018 02:05:41



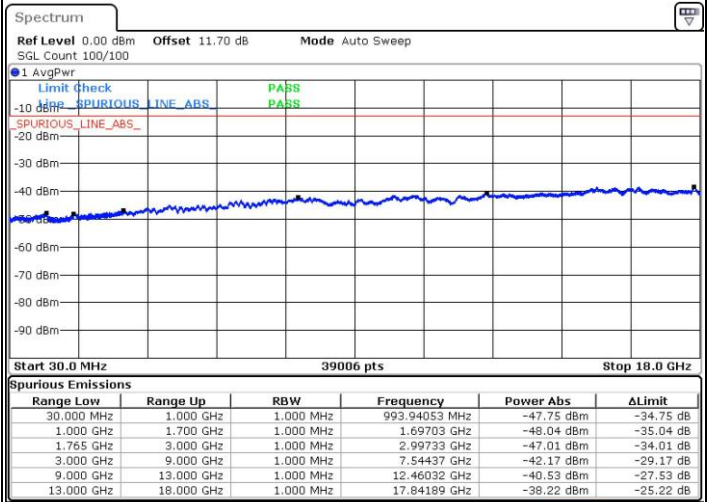
LTE Band 4 / 20MHz

Lowest Channel / 64QAM



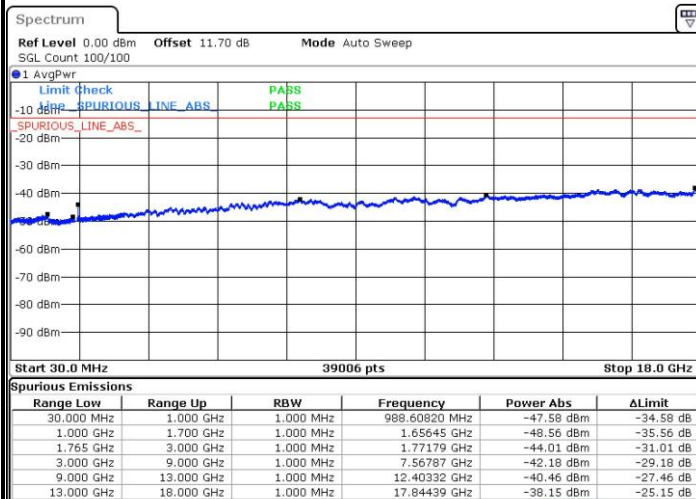
Date: 22 SEP 2018 02:09:24

Middle Channel / 64QAM



Date: 22 SEP 2018 02:10:47

Highest Channel / 64QAM



Date: 22 SEP 2018 02:14:31

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0008	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.40 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

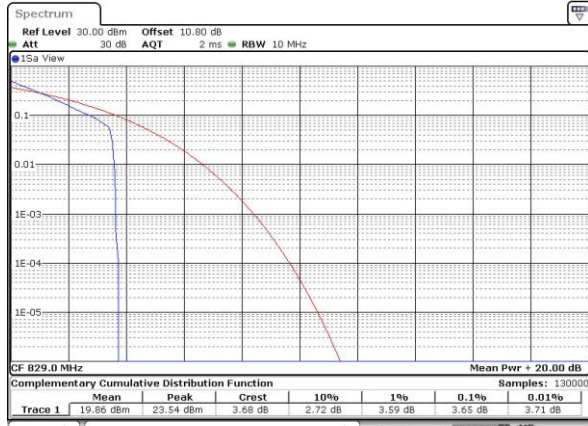
LTE Band 5

Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.65	4.61	5.59	5.88	PASS
Middle CH	3.59	4.67	5.42	5.94	
Highest CH	3.59	4.70	5.19	5.94	
Mode	LTE Band 5 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.46	6.43	-	-	PASS
Middle CH	6.72	6.41	-	-	
Highest CH	6.67	6.35	-	-	

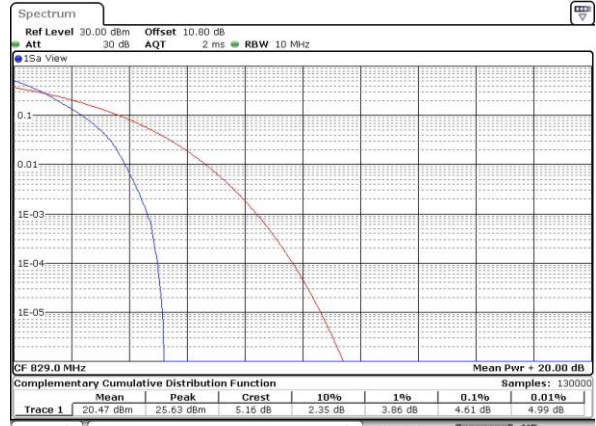
LTE Band 5 / 10MHz / QPSK

Lowest Channel / 1RB



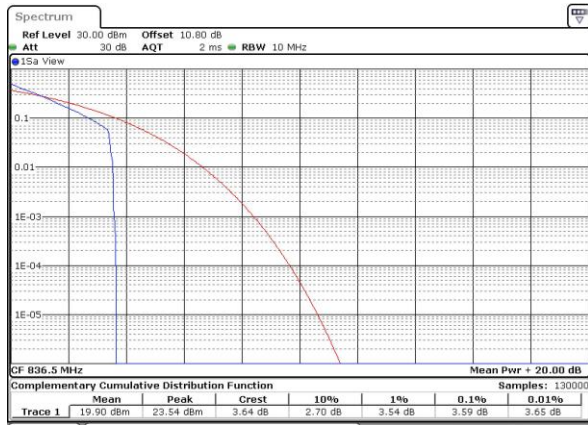
Date: 22 SEP 2018 05:06:08

Lowest Channel / Full RB



Date: 22 SEP 2018 05:06:18

Middle Channel / 1RB



Date: 22 SEP 2018 05:06:28

Middle Channel / Full RB



Date: 22 SEP 2018 05:06:37

Highest Channel / 1RB



Date: 22 SEP 2018 05:06:47

Highest Channel / Full RB



Date: 22 SEP 2018 05:06:57