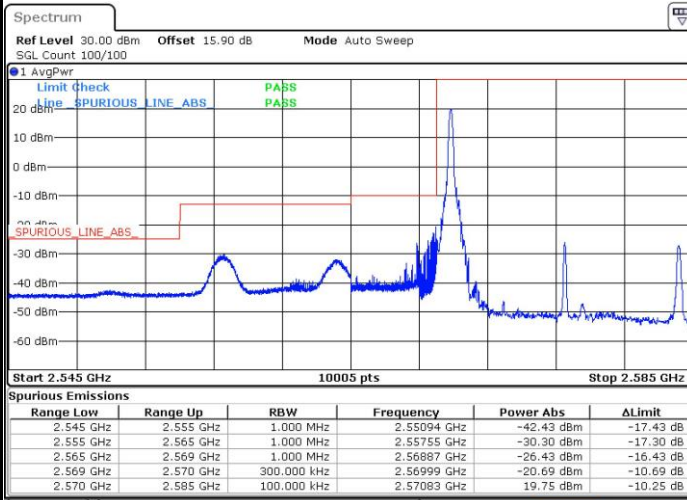




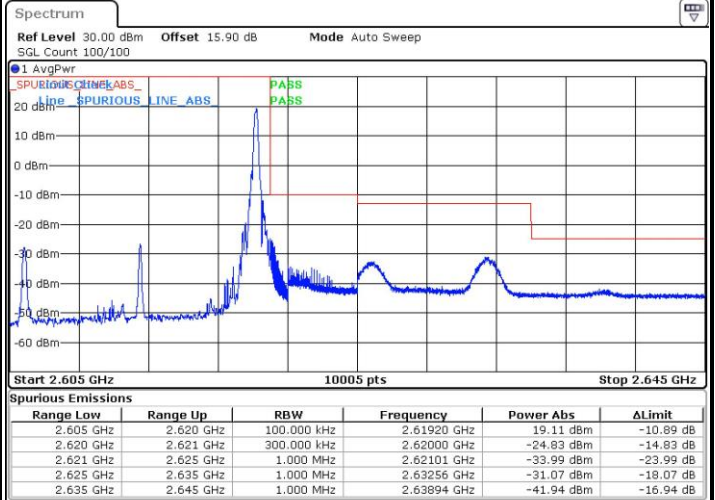
LTE Band 38 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



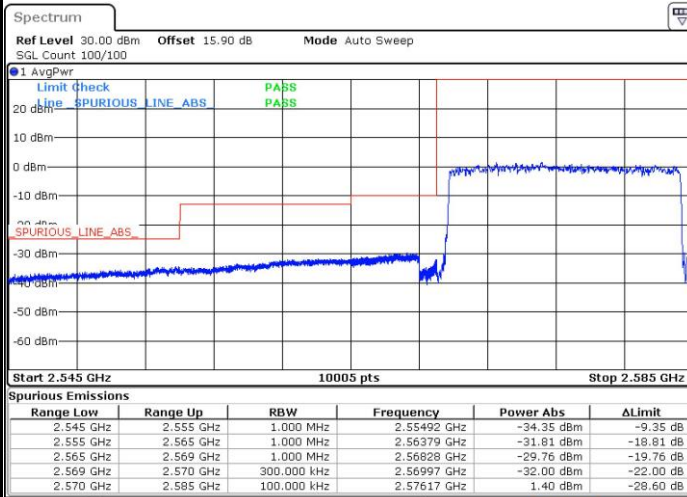
Date: 7 JUL 2018 04:03:13

Highest Band Edge / 1 RB



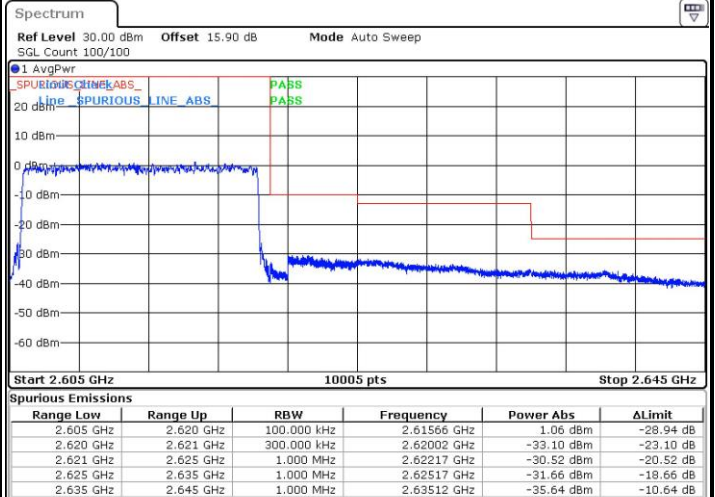
Date: 7 JUL 2018 04:06:46

Lowest Band Edge / Full RB



Date: 7 JUL 2018 04:04:24

Highest Band Edge / Full RB

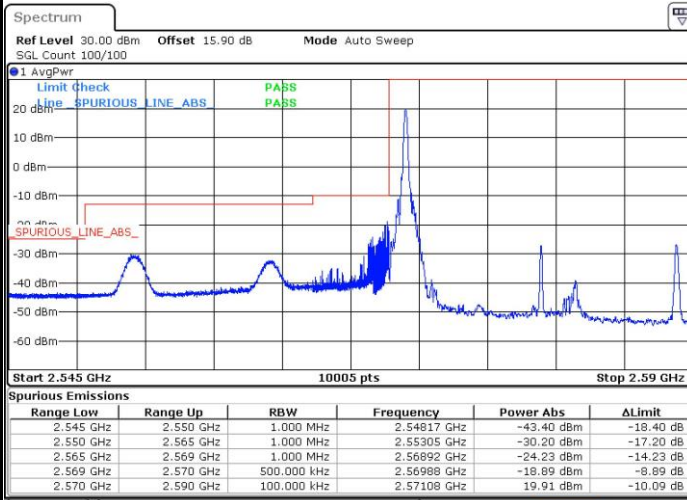


Date: 7 JUL 2018 04:05:35



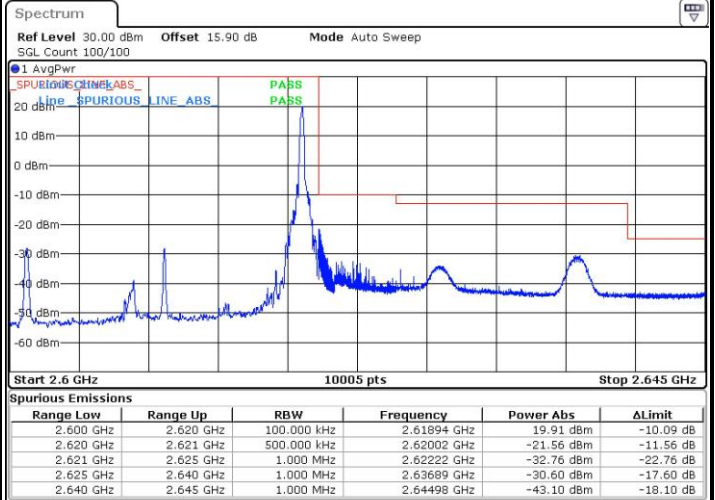
LTE Band 38 / 20MHz / QPSK

Lowest Band Edge / 1 RB



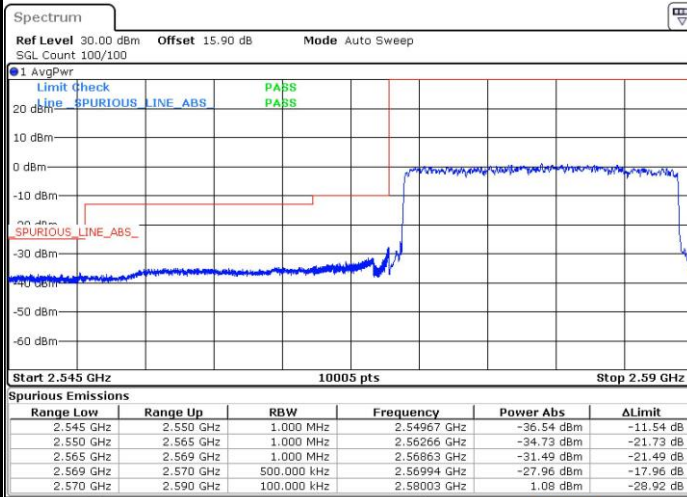
Date: 7 JUL 2018 03:44:22

Highest Band Edge / 1 RB



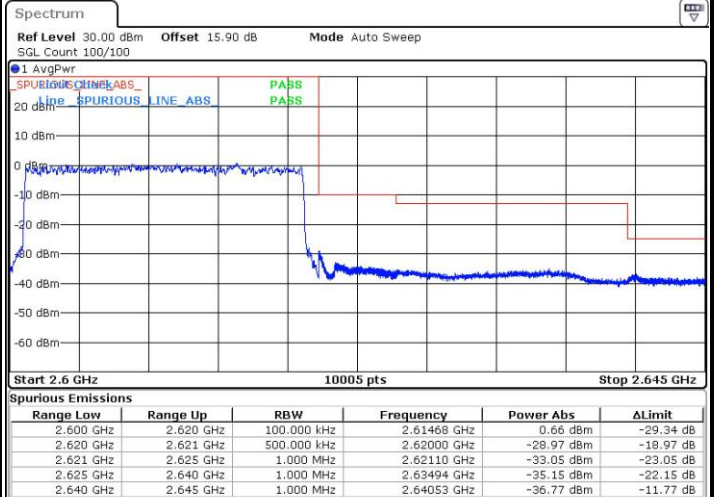
Date: 7 JUL 2018 03:51:26

Lowest Band Edge / Full RB



Date: 7 JUL 2018 03:46:43

Highest Band Edge / Full RB

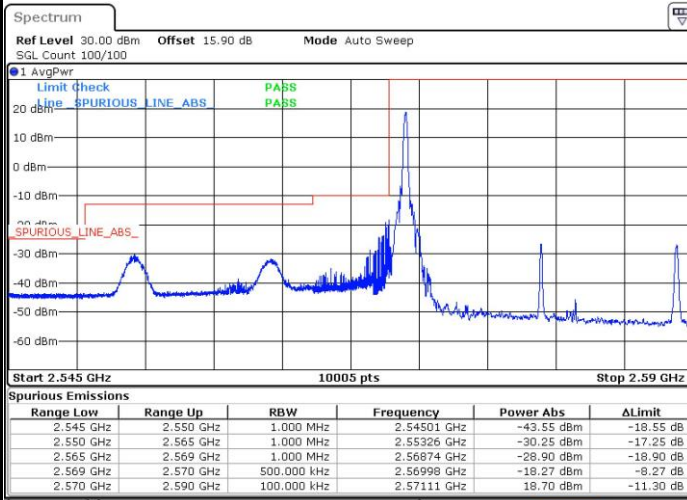


Date: 7 JUL 2018 03:49:05



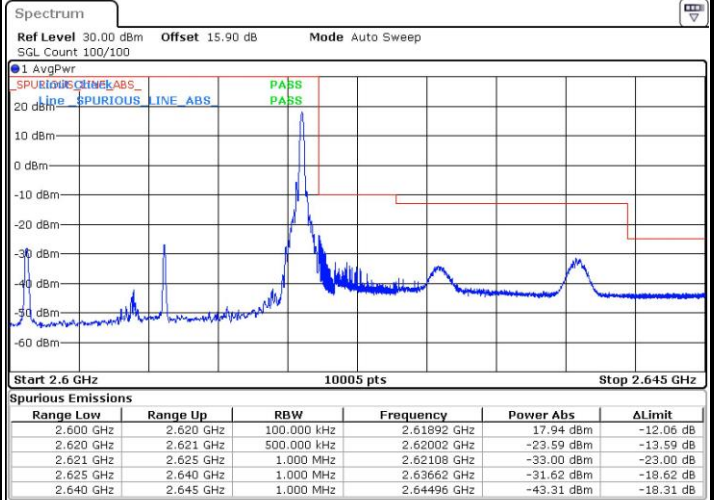
LTE Band 38 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



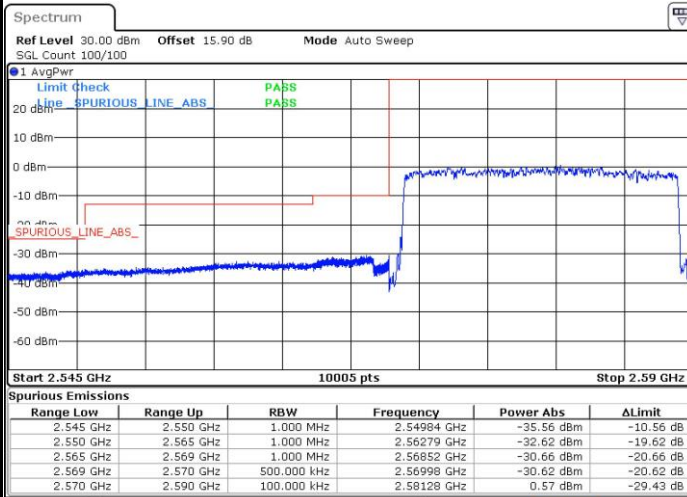
Date: 7 JUL 2018 03:45:32

Highest Band Edge / 1 RB



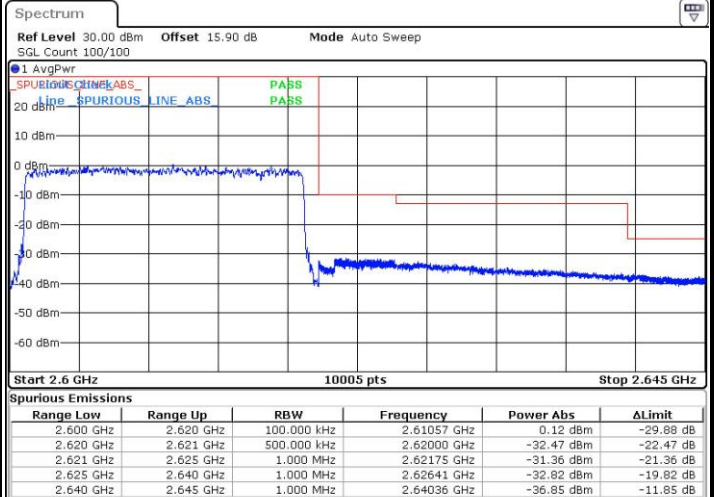
Date: 7 JUL 2018 03:52:37

Lowest Band Edge / Full RB



Date: 7 JUL 2018 03:47:54

Highest Band Edge / Full RB

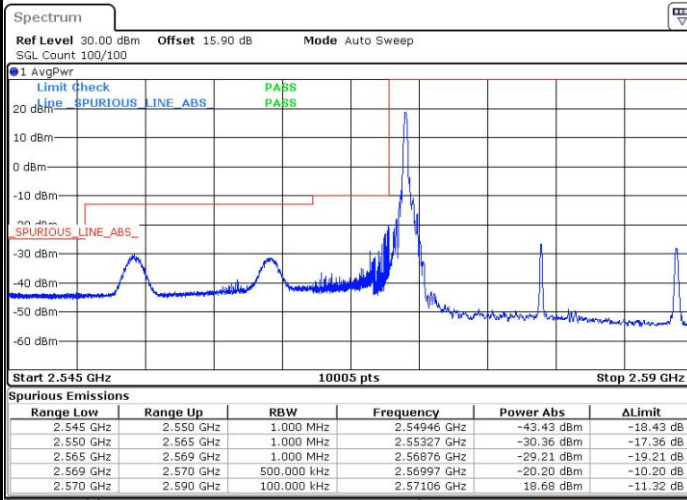


Date: 7 JUL 2018 03:50:15



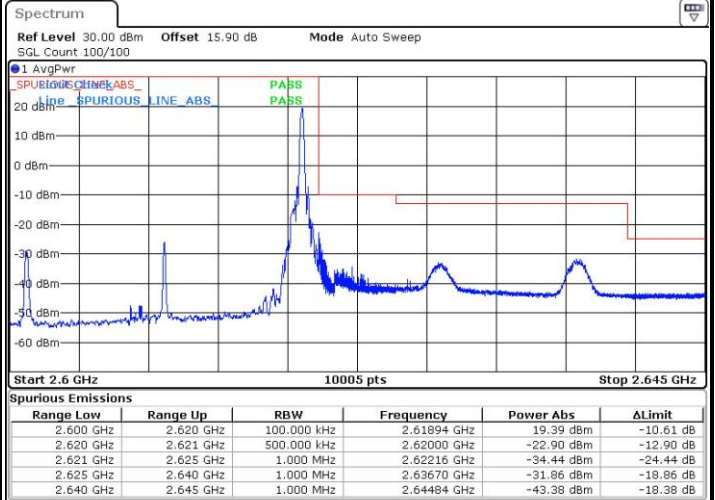
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



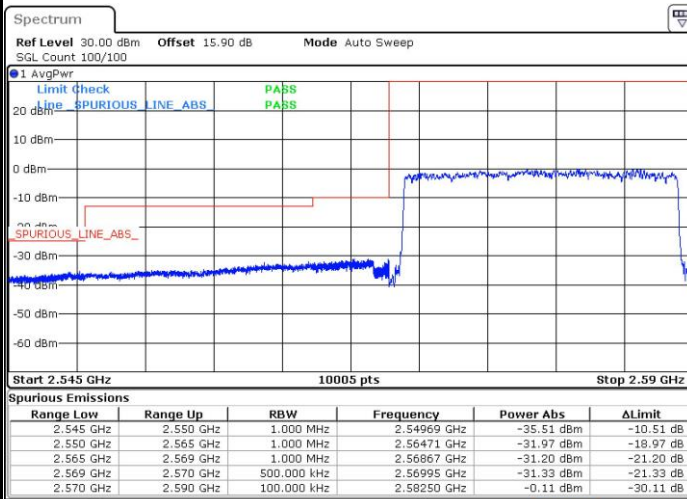
Date: 7 JUL 2018 04:07:56

Highest Band Edge / 1 RB



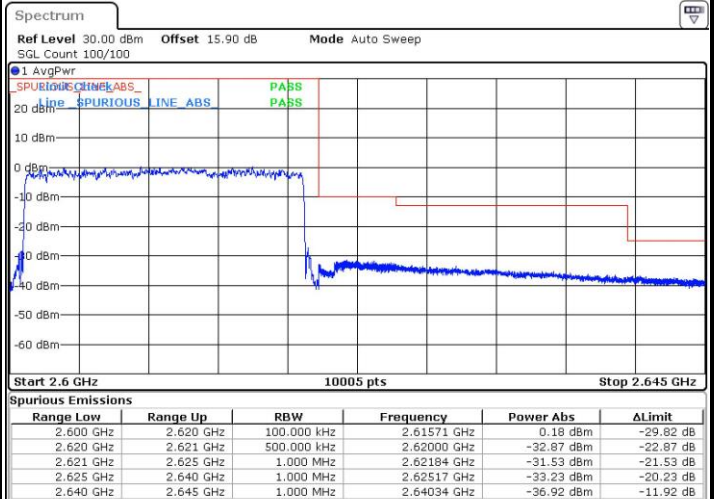
Date: 7 JUL 2018 04:11:29

Lowest Band Edge / Full RB



Date: 7 JUL 2018 04:09:07

Highest Band Edge / Full RB



Date: 7 JUL 2018 04:10:18



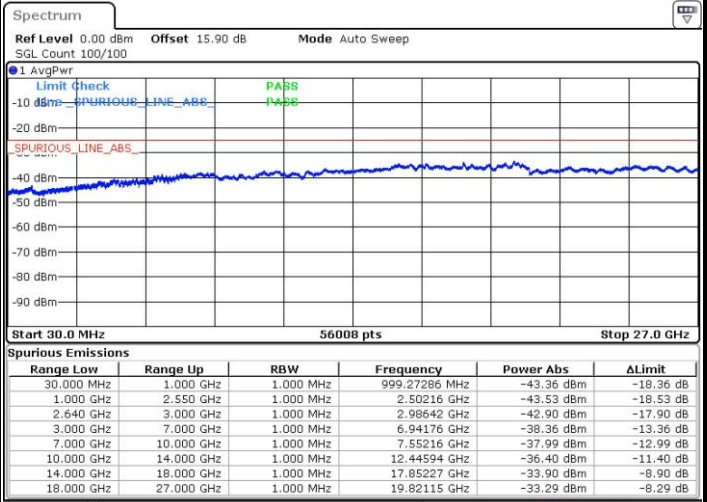
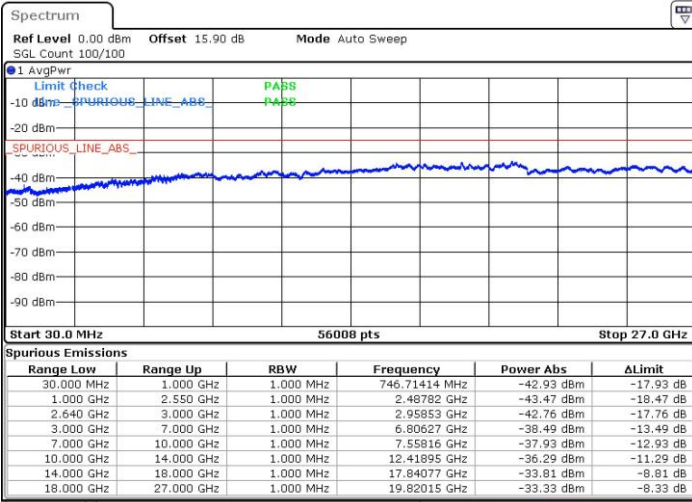
Conducted Spurious Emission



LTE Band 38 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

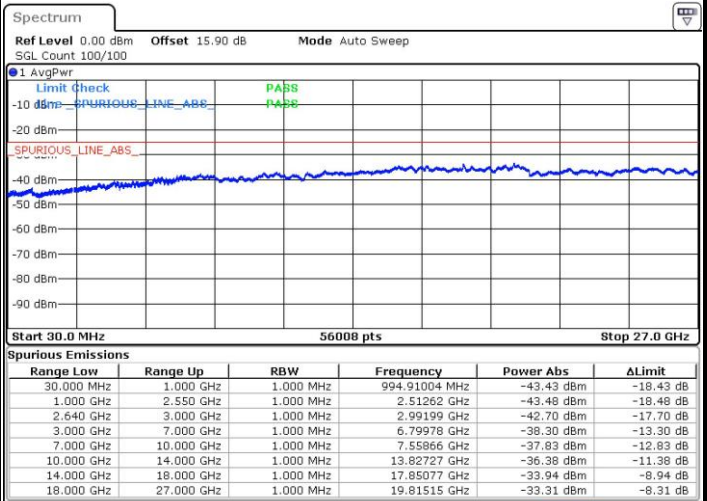
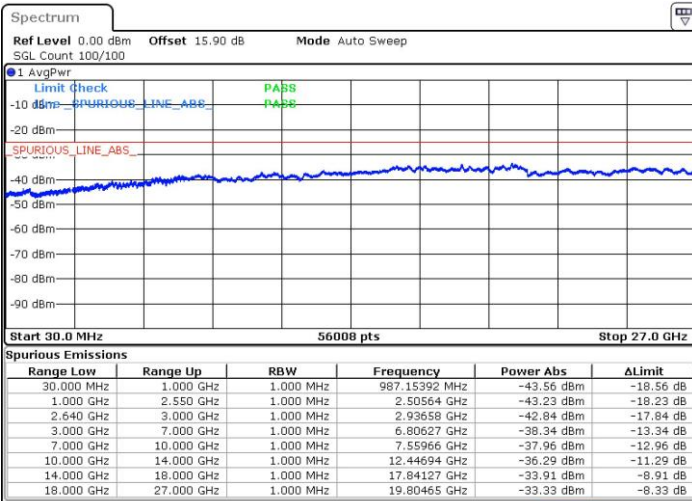


Date: 7.JUL.2018 04:23:32

Date: 7.JUL.2018 04:24:27

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 7.JUL.2018 04:25:23

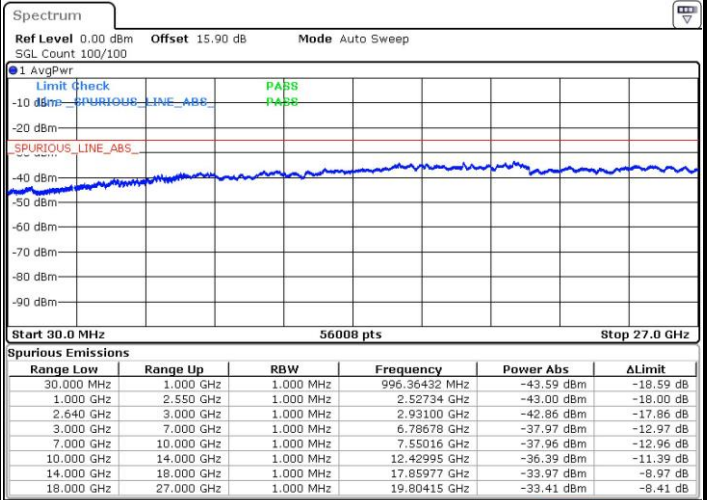
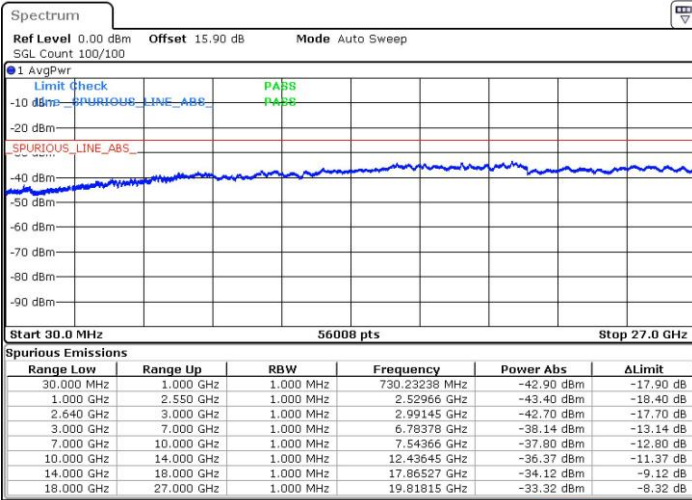
Date: 7.JUL.2018 04:26:19



LTE Band 38 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



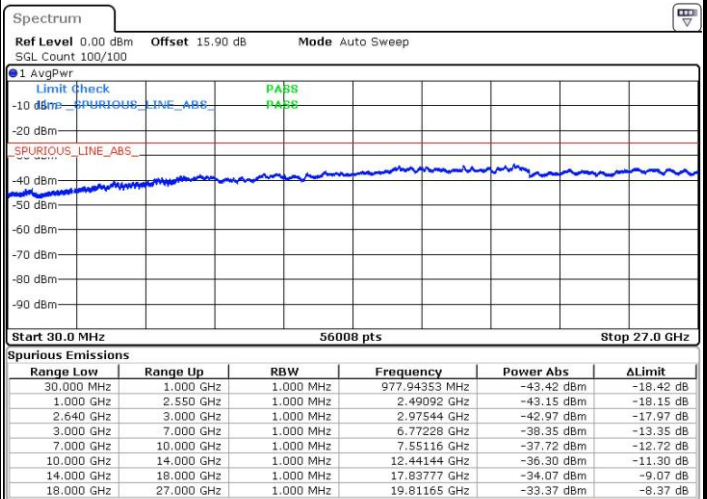
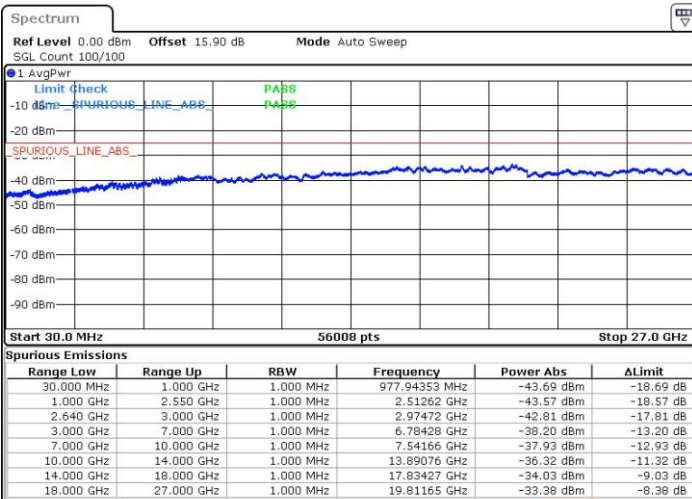
Date: 7.JUL.2018 04:27:14

Date: 7.JUL.2018 04:28:10

LTE Band 38 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 7.JUL.2018 04:29:05

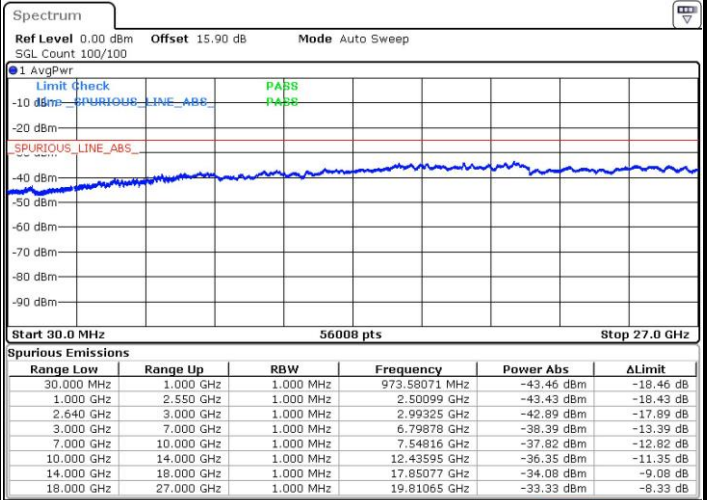
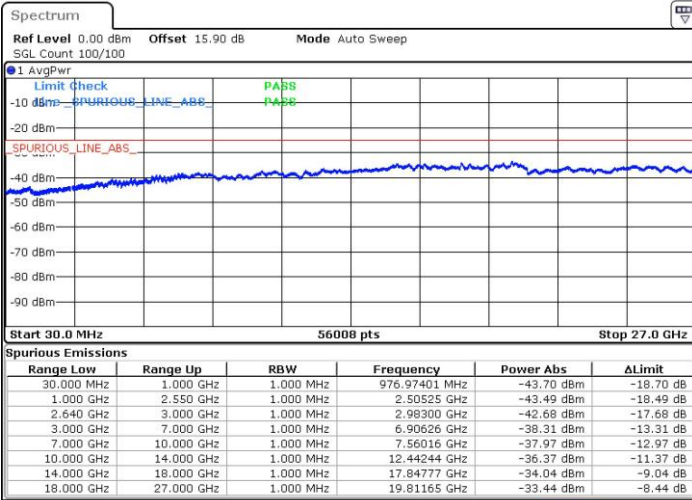
Date: 7.JUL.2018 04:30:01



LTE Band 38 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

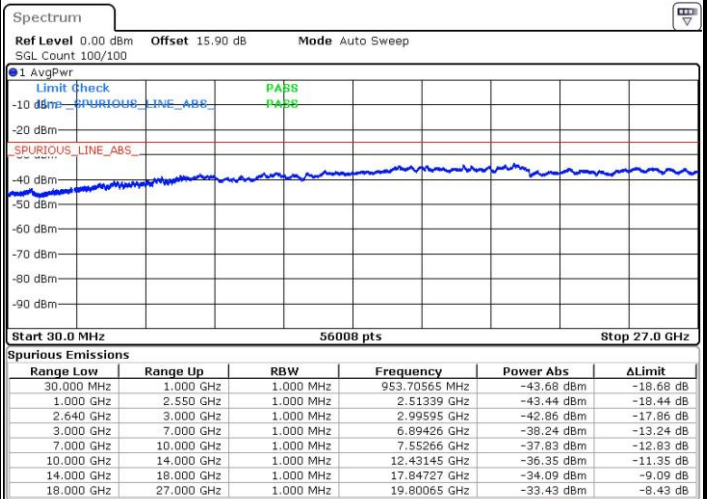
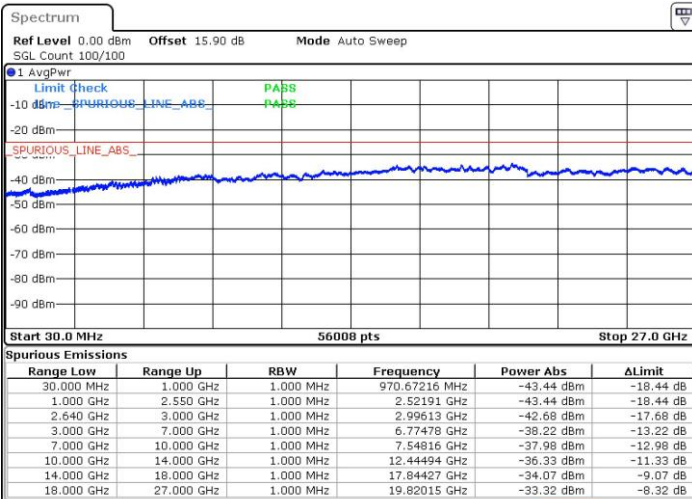


Date: 7.JUL.2018 04:30:56

Date: 7.JUL.2018 04:31:52

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 7.JUL.2018 04:32:48

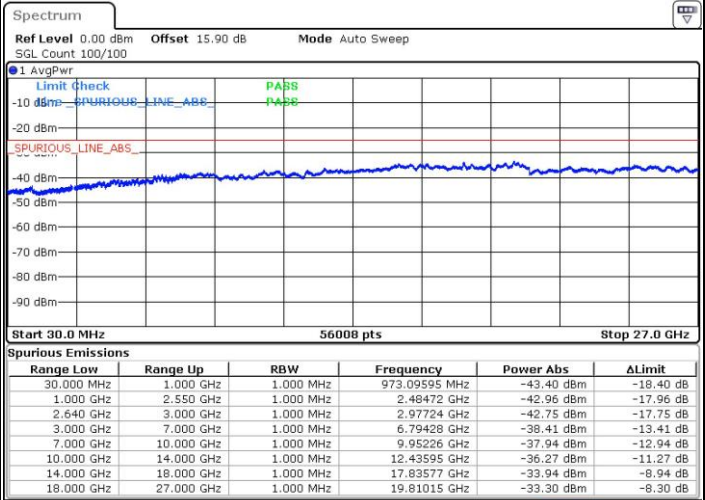
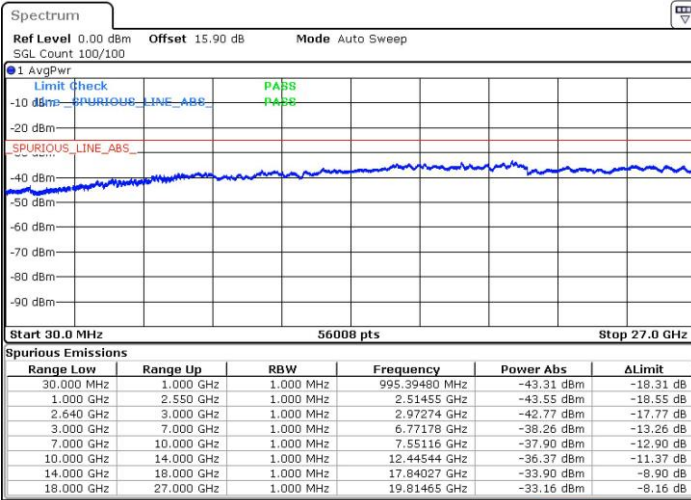
Date: 7.JUL.2018 04:33:43



LTE Band 38 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

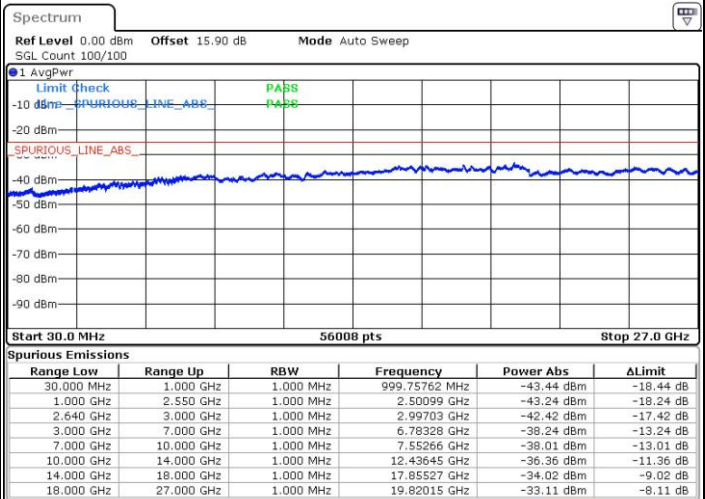
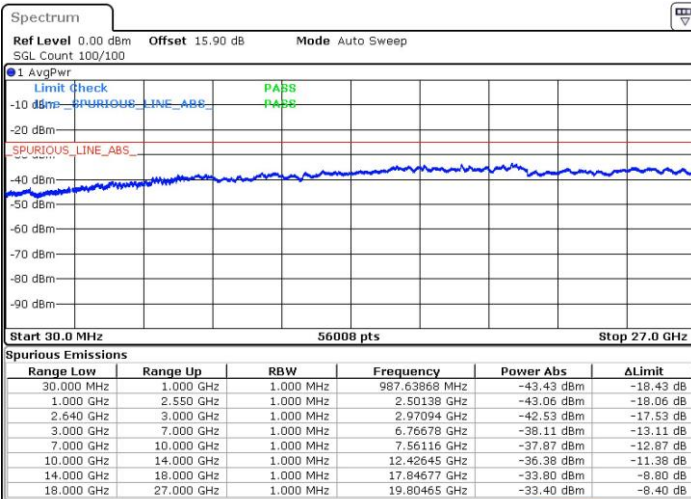


Date: 7.JUL.2018 04:34:39

Date: 7.JUL.2018 04:35:34

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 7.JUL.2018 04:36:30

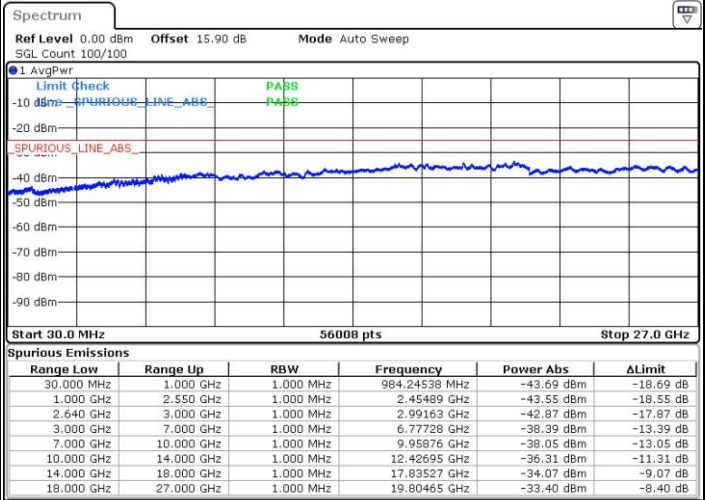
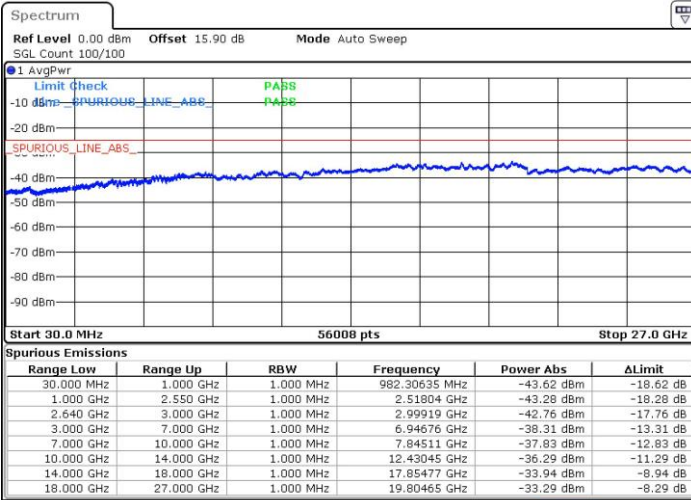
Date: 7.JUL.2018 04:37:26



LTE Band 38 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



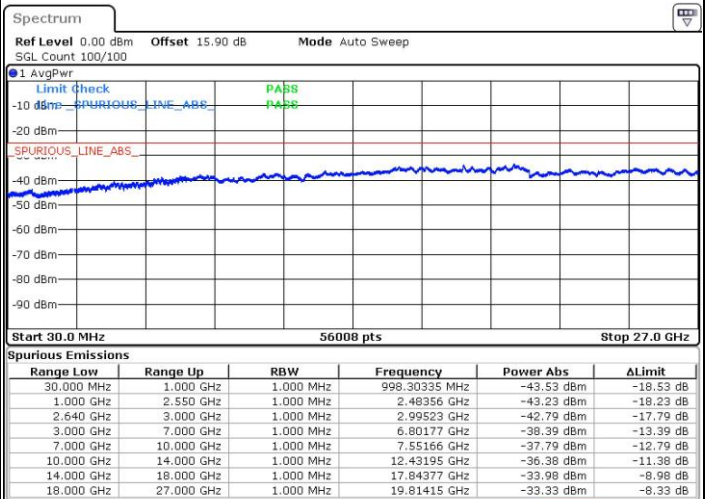
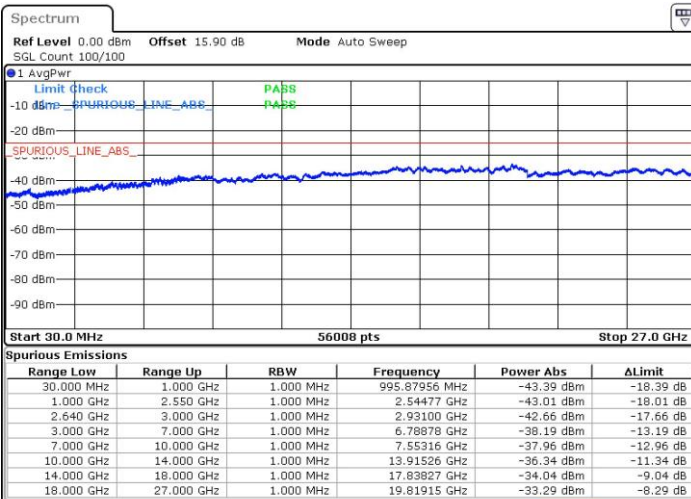
Date: 7.JUL.2018 04:38:21

Date: 7.JUL.2018 04:39:17

LTE Band 38 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 7.JUL.2018 04:40:12

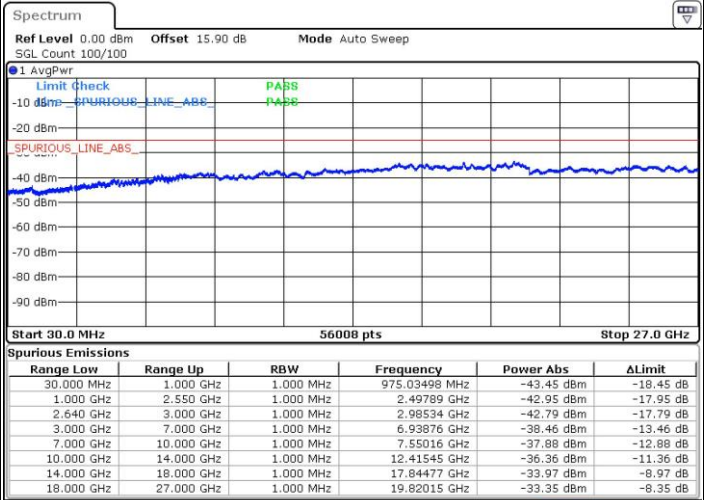
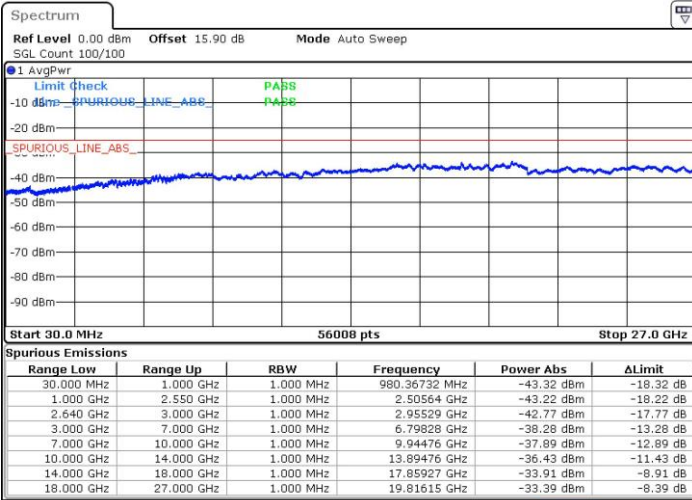
Date: 7.JUL.2018 04:41:08



LTE Band 38 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

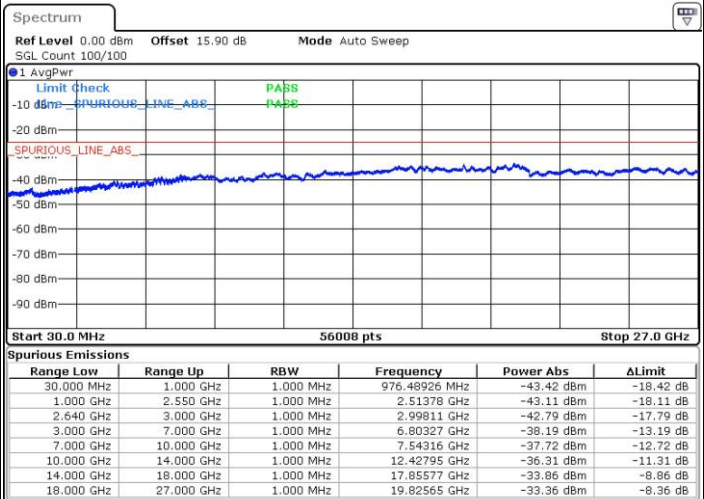
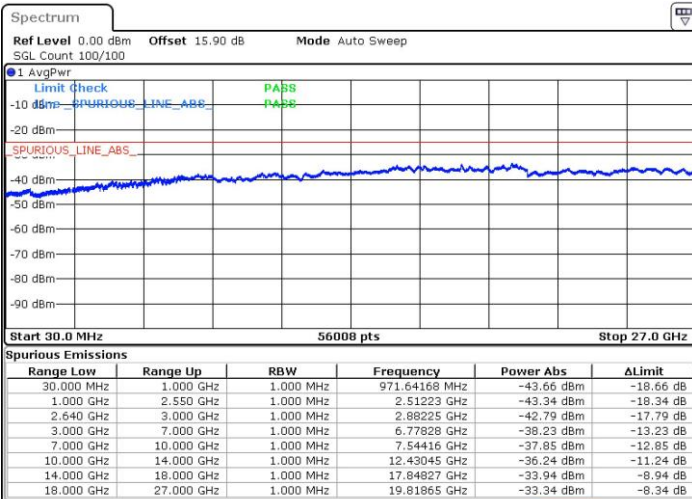


Date: 7.JUL.2018 04:42:04

Date: 7.JUL.2018 04:42:59

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 7.JUL.2018 04:43:55

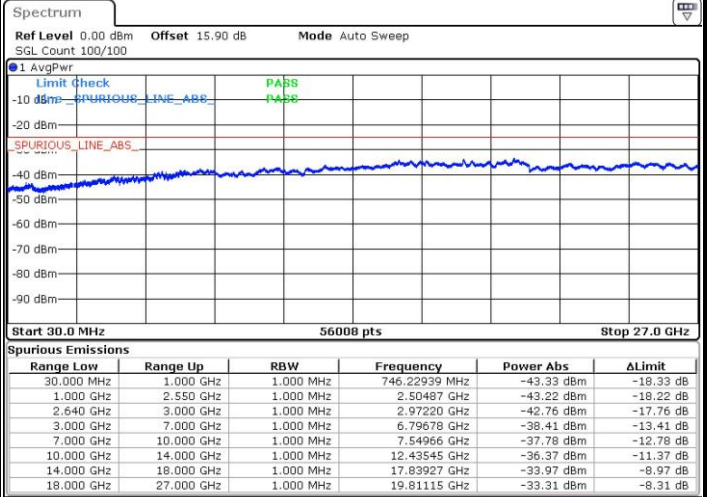
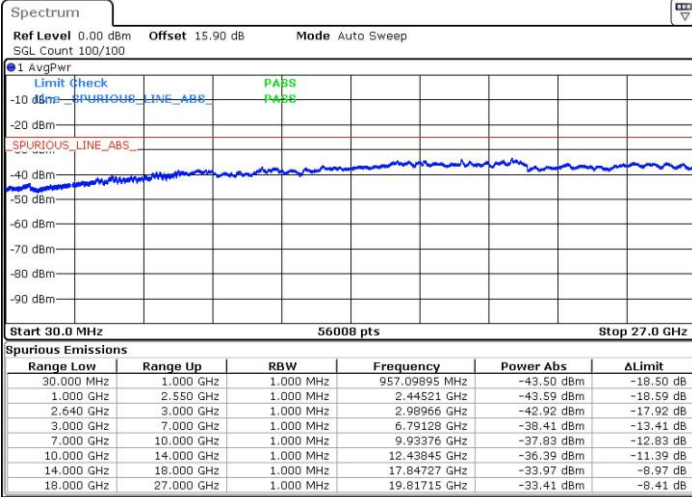
Date: 7.JUL.2018 04:44:51



LTE Band 38 / 5MHz

Lowest Channel / 64QAM

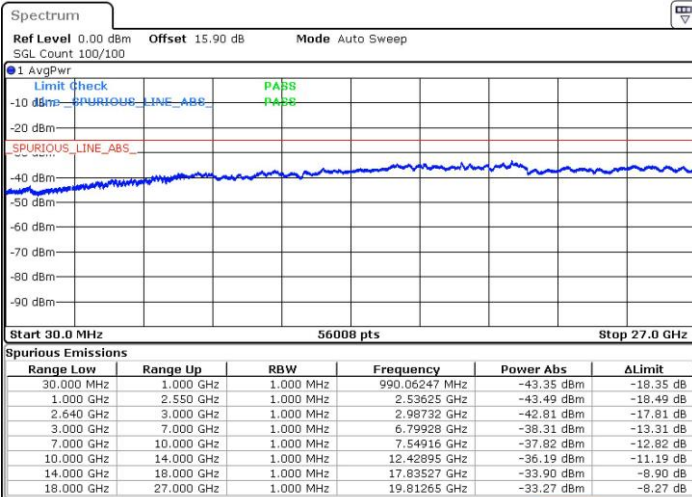
Middle Channel / 64QAM



Date: 7.JUL.2018 04:12:24

Date: 7.JUL.2018 04:13:20

Highest Channel / 64QAM



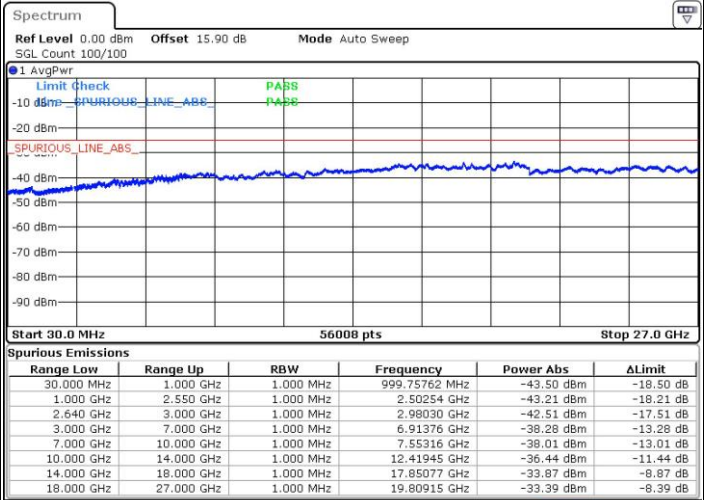
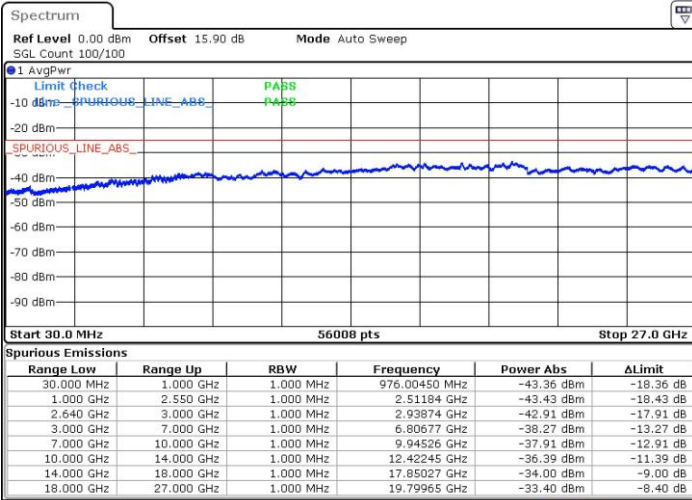
Date: 7.JUL.2018 04:14:16



LTE Band 38 / 10MHz

Lowest Channel / 64QAM

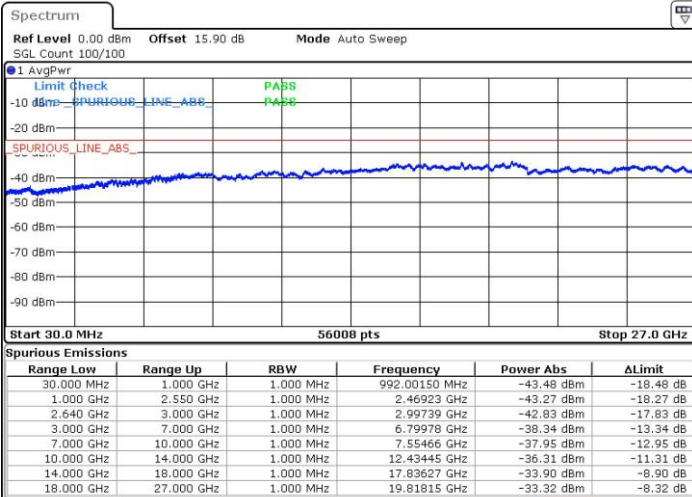
Middle Channel / 64QAM



Date: 7.JUL.2018 04:15:11

Date: 7.JUL.2018 04:16:07

Highest Channel / 64QAM



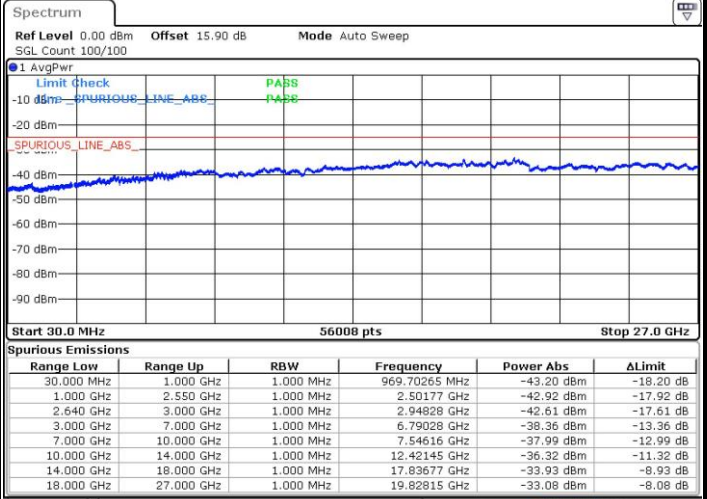
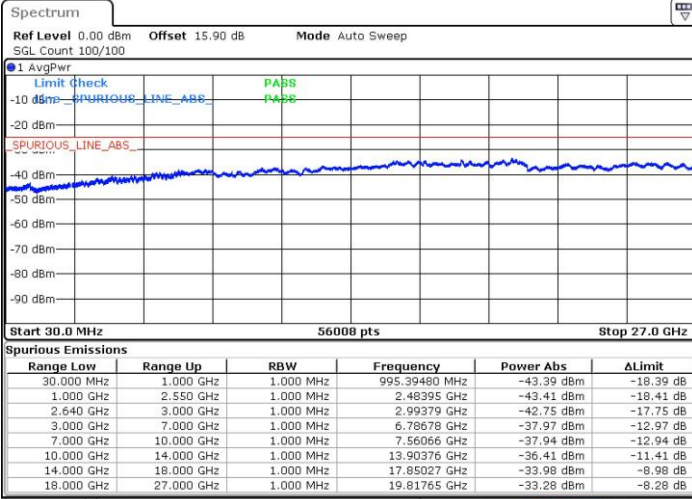
Date: 7.JUL.2018 04:17:02



LTE Band 38 / 15MHz

Lowest Channel / 64QAM

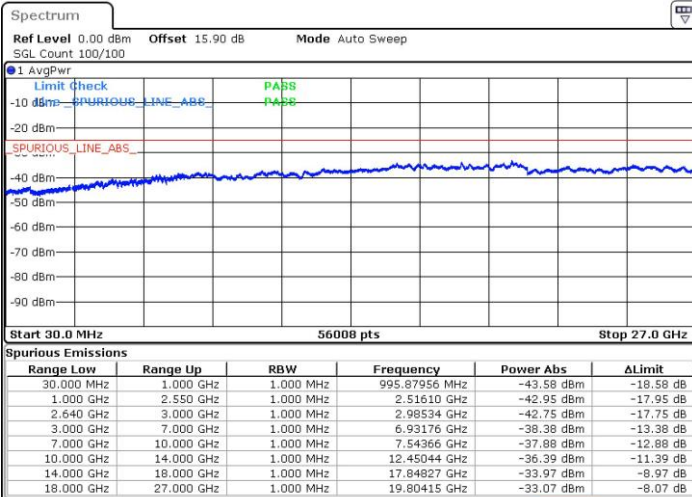
Middle Channel / 64QAM



Date: 7.JUL.2018 04:17:58

Date: 7.JUL.2018 04:18:54

Highest Channel / 64QAM



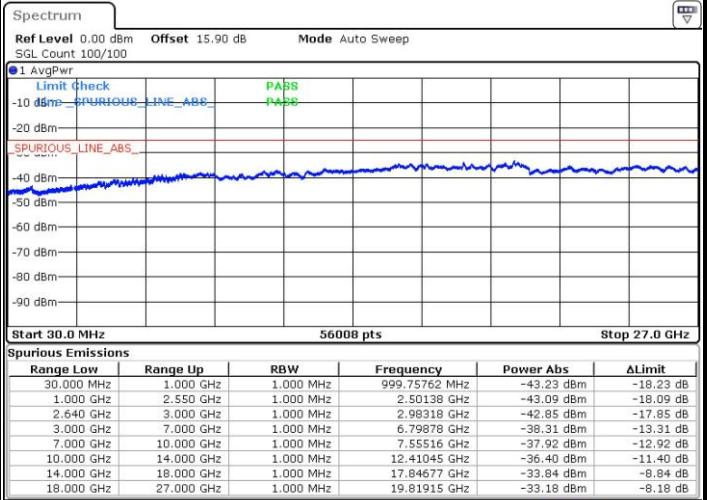
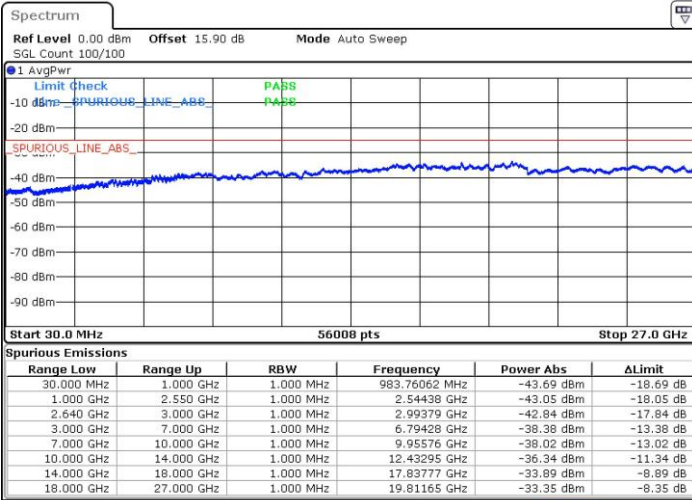
Date: 7.JUL.2018 04:19:49



LTE Band 38 / 20MHz

Lowest Channel / 64QAM

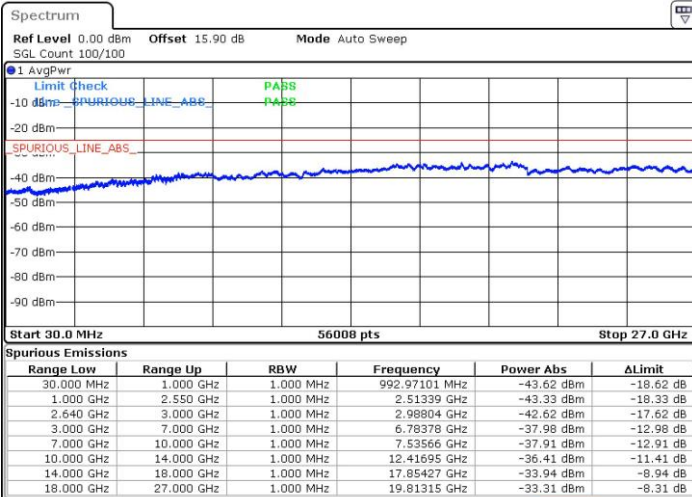
Middle Channel / 64QAM



Date: 7.JUL.2018 04:20:45

Date: 7.JUL.2018 04:21:41

Highest Channel / 64QAM



Date: 7.JUL.2018 04:22:36



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	0.0044	PASS
40	Normal Voltage	0.0063	
30	Normal Voltage	0.0033	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0044	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0034	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0038	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0044	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

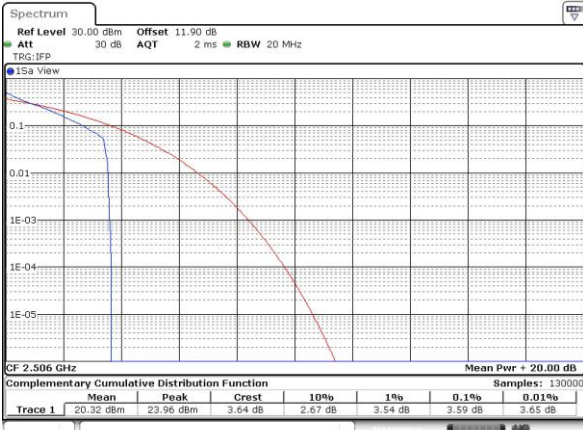
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.59	4.43	4.78	5.68	PASS
Middle CH	3.62	4.35	5.36	5.57	
Highest CH	3.68	4.35	4.67	5.59	
Mode	LTE Band 41 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	4.78	5.62	-	-	PASS
Middle CH	5.39	5.59	-	-	
Highest CH	4.70	5.54	-	-	



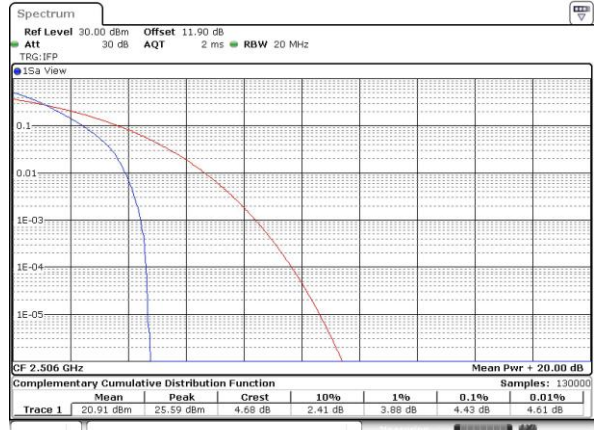
LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



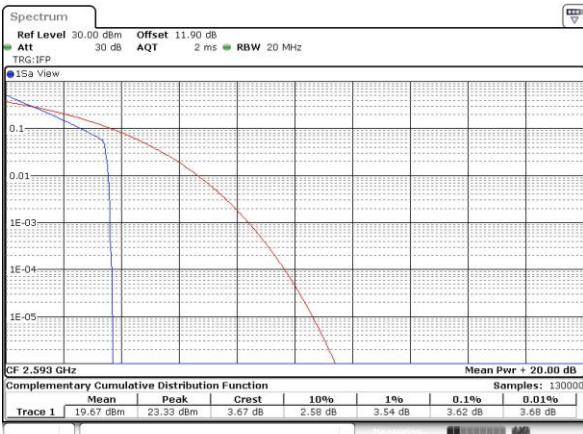
Date: 7 JUL 2018 05:26:54

Lowest Channel / Full RB



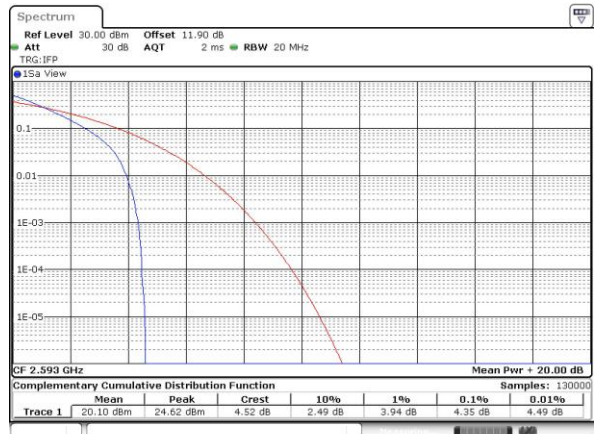
Date: 7 JUL 2018 05:27:09

Middle Channel / 1RB



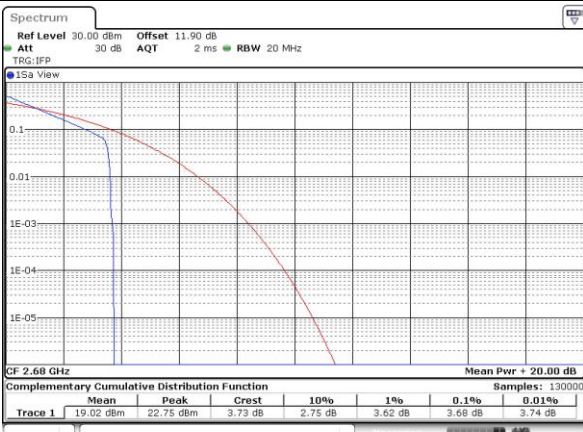
Date: 7 JUL 2018 05:27:29

Middle Channel / Full RB



Date: 7 JUL 2018 05:27:54

Highest Channel / 1RB



Date: 7 JUL 2018 05:28:19

Highest Channel / Full RB

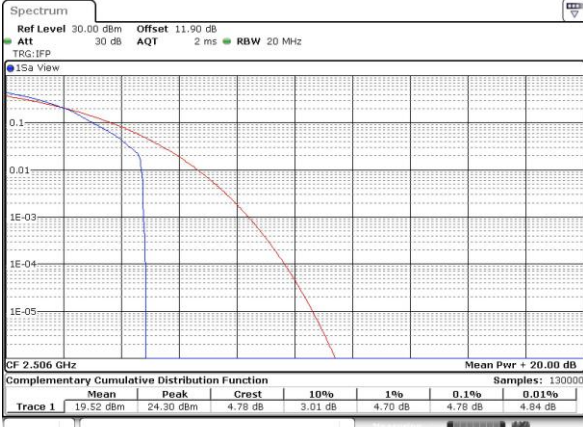


Date: 7 JUL 2018 05:28:36



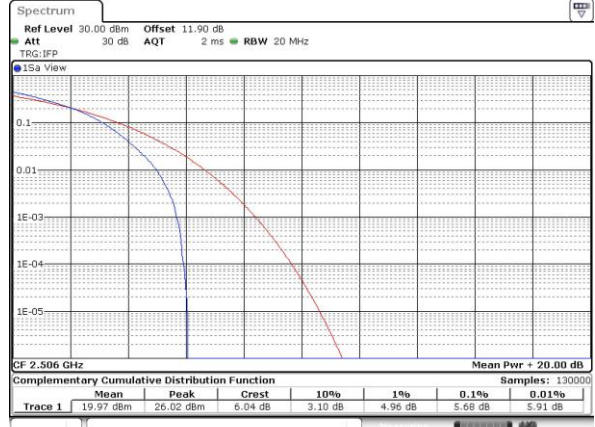
LTE Band 41 / 20MHz / 16QAM

Lowest Channel / 1RB



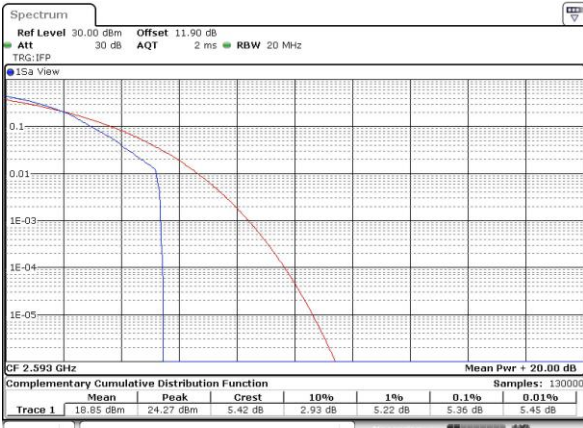
Date: 7 JUL 2018 05:24:49

Lowest Channel / Full RB



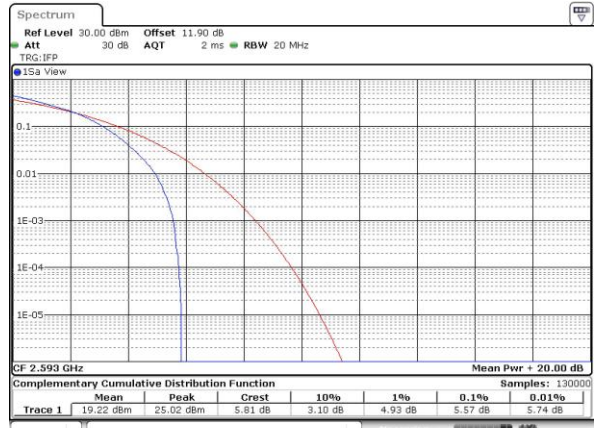
Date: 7 JUL 2018 05:25:07

Middle Channel / 1RB



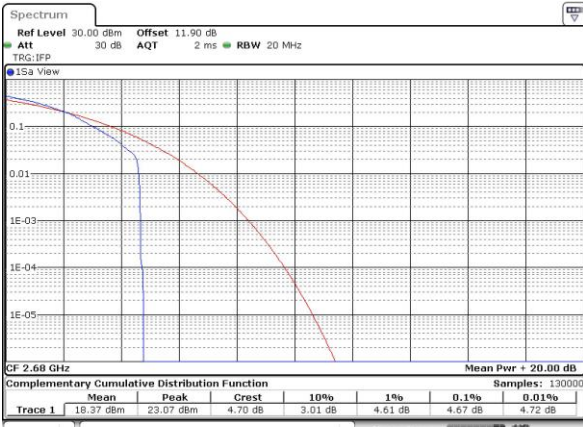
Date: 7 JUL 2018 05:25:31

Middle Channel / Full RB



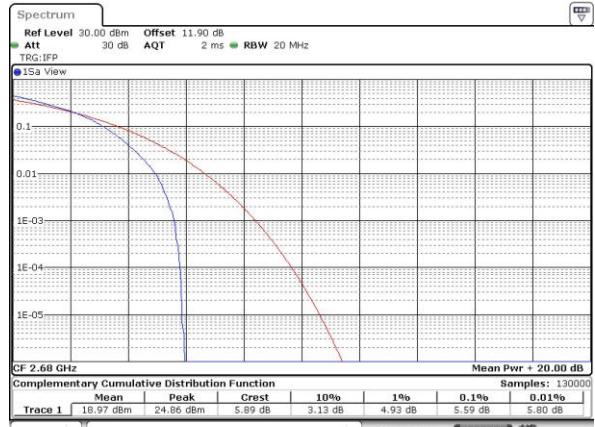
Date: 7 JUL 2018 05:25:48

Highest Channel / 1RB



Date: 7 JUL 2018 05:26:08

Highest Channel / Full RB



Date: 7 JUL 2018 05:26:23