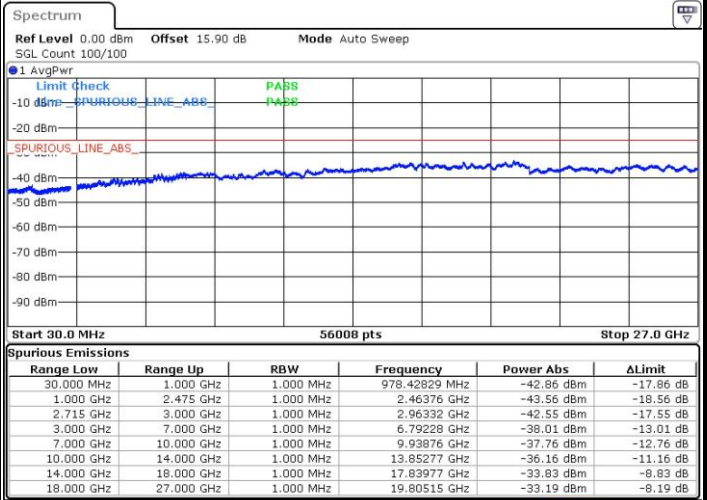
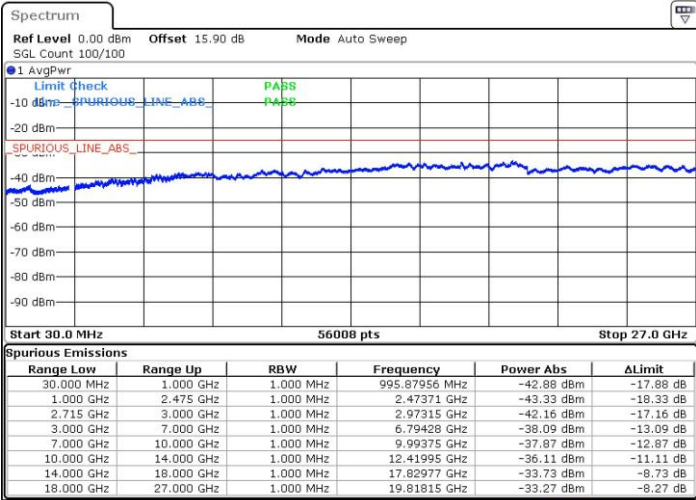




LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

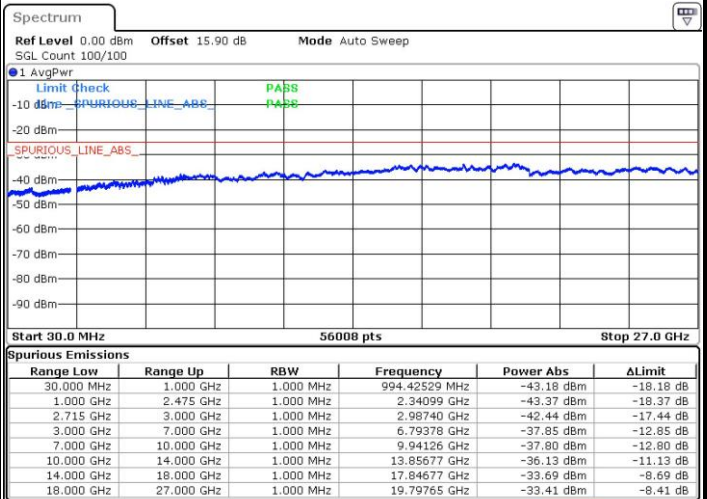
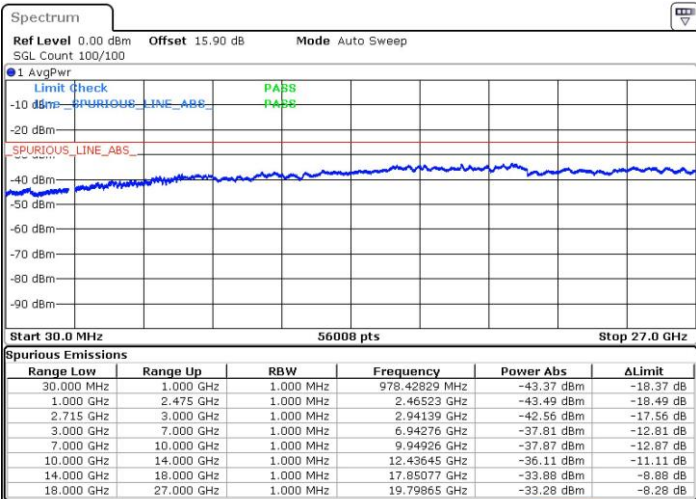


Date: 28 MAR 2019 02:51:40

Date: 28 MAR 2019 02:52:41

Middle Channel / QPSK

Middle Channel / 16QAM



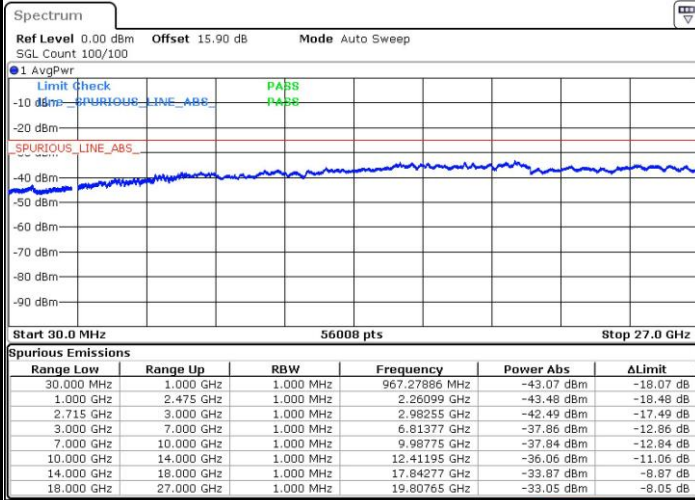
Date: 28 MAR 2019 02:53:43

Date: 28 MAR 2019 02:54:44



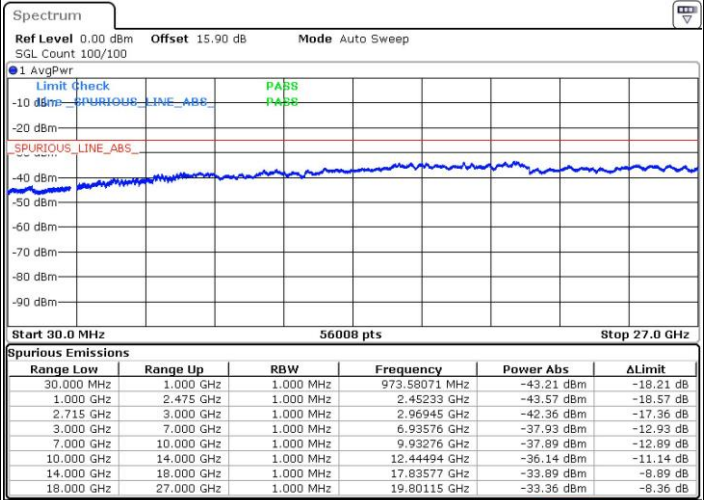
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 28 MAR 2019 02:55:46

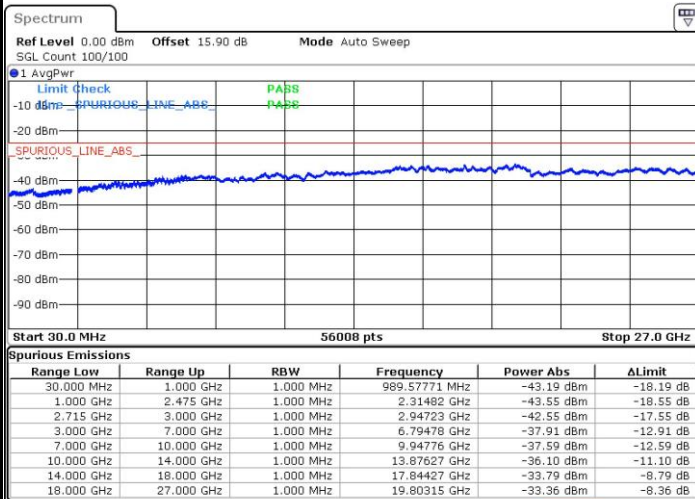
Highest Channel / 16QAM



Date: 28 MAR 2019 02:56:47

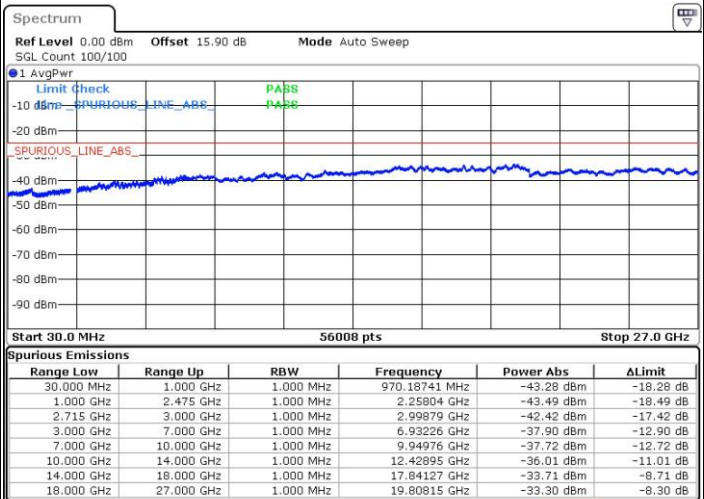
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 28 MAR 2019 02:57:49

Lowest Channel / 16QAM



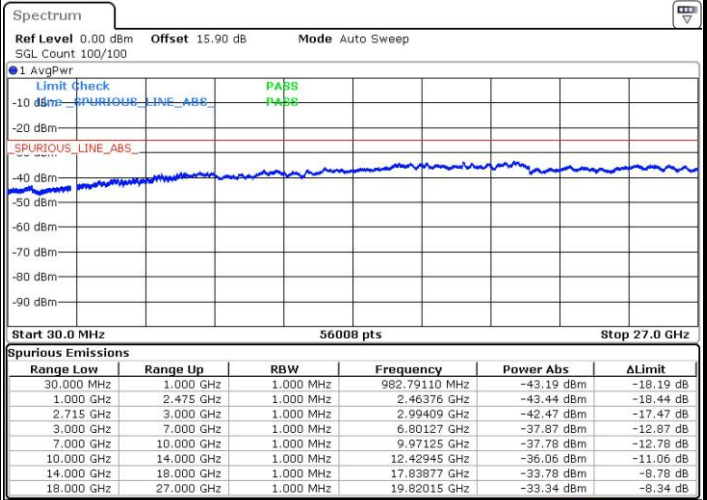
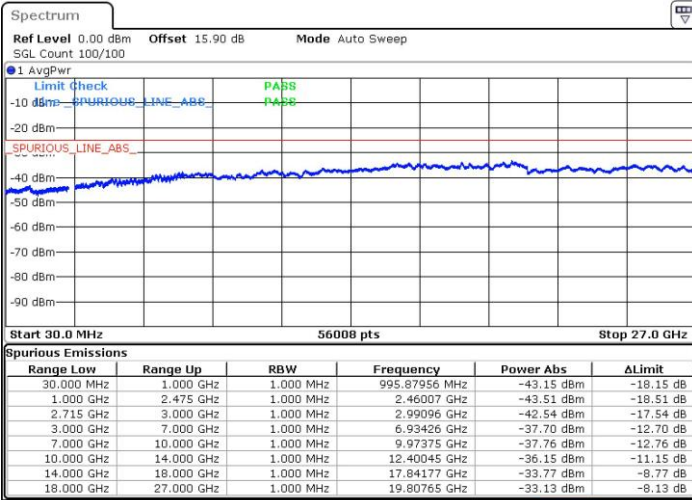
Date: 28 MAR 2019 02:58:51



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

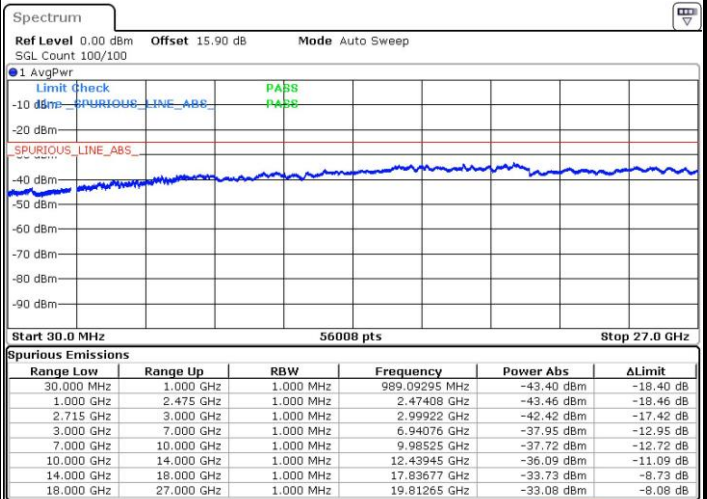
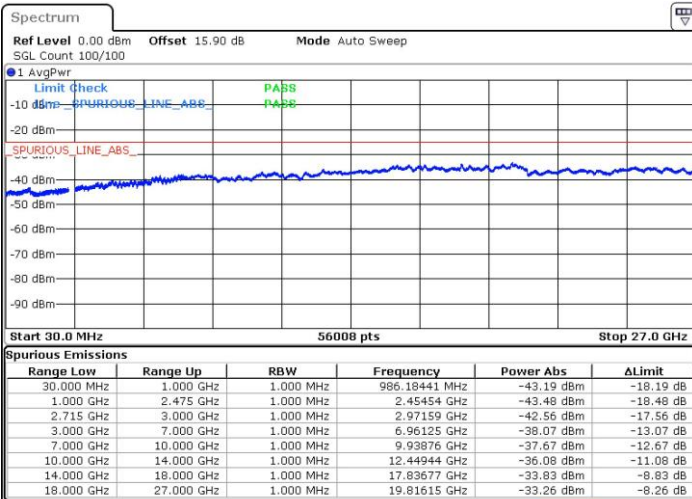


Date: 28 MAR 2019 02:59:52

Date: 28 MAR 2019 03:00:54

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28 MAR 2019 03:01:55

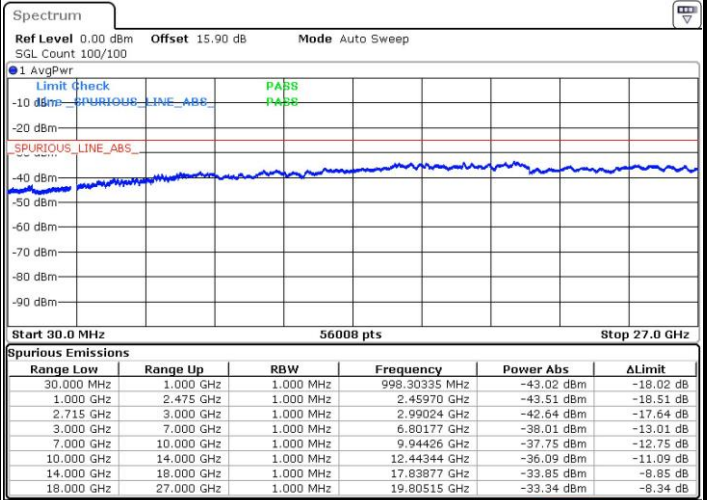
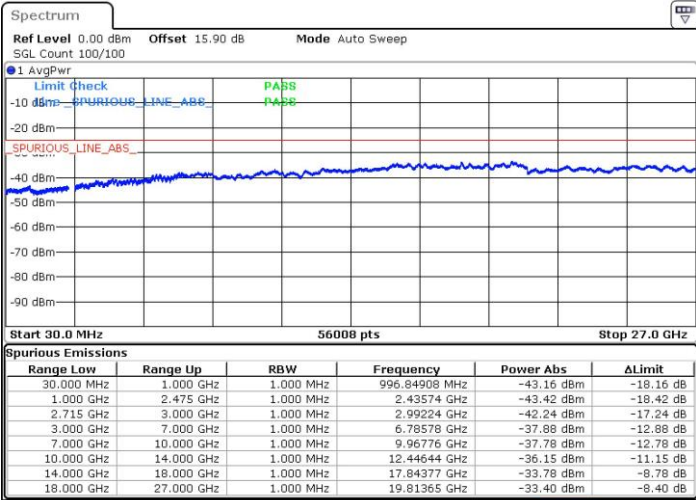
Date: 28 MAR 2019 03:02:57



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

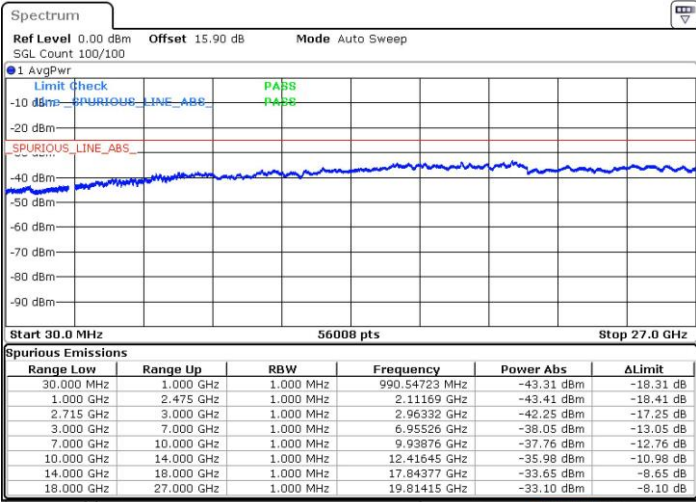
Middle Channel / 64QAM



Date: 28 MAR 2019 02:27:02

Date: 28 MAR 2019 02:28:03

Highest Channel / 64QAM



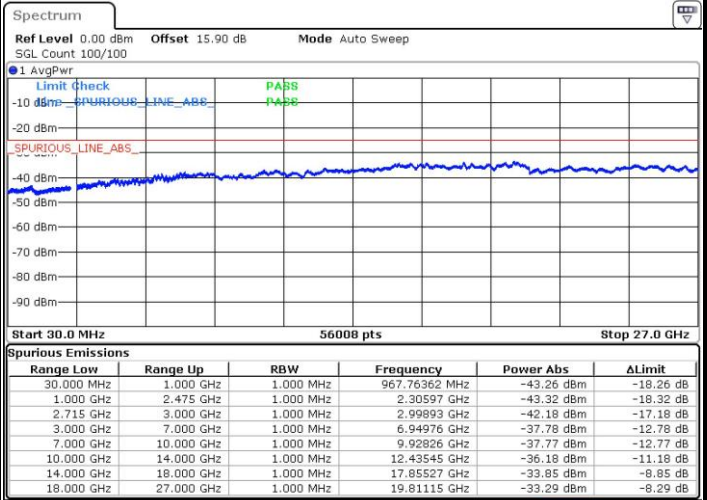
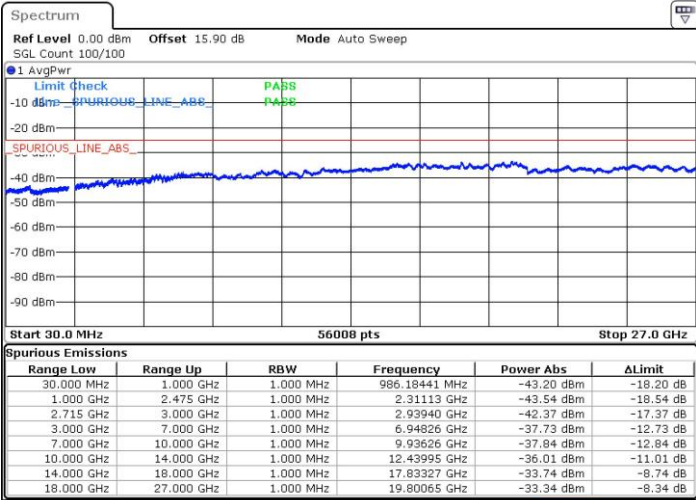
Date: 28 MAR 2019 02:29:04



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

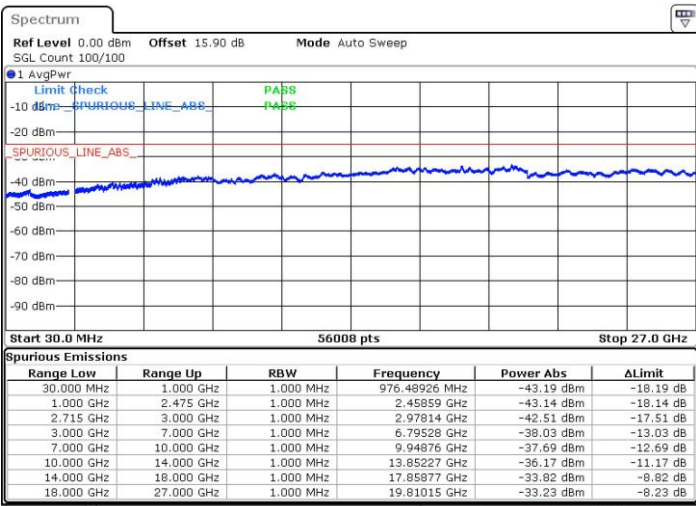
Middle Channel / 64QAM



Date: 28 MAR 2019 02:30:07

Date: 28 MAR 2019 02:31:08

Highest Channel / 64QAM



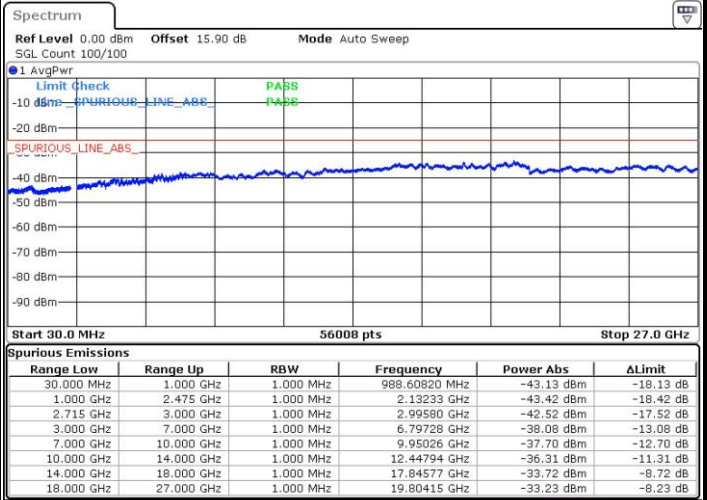
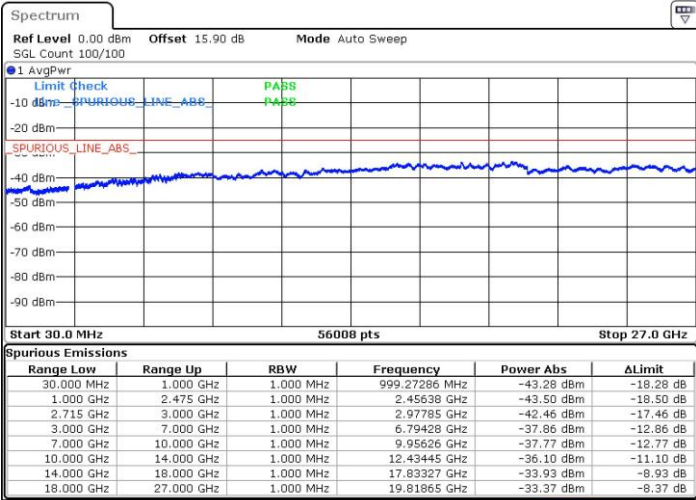
Date: 28 MAR 2019 02:32:09



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

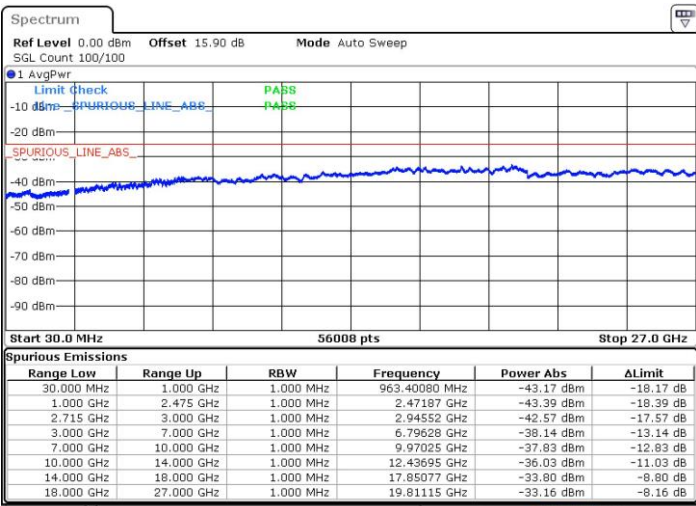
Middle Channel / 64QAM



Date: 28 MAR 2019 02:33:11

Date: 28 MAR 2019 02:34:13

Highest Channel / 64QAM



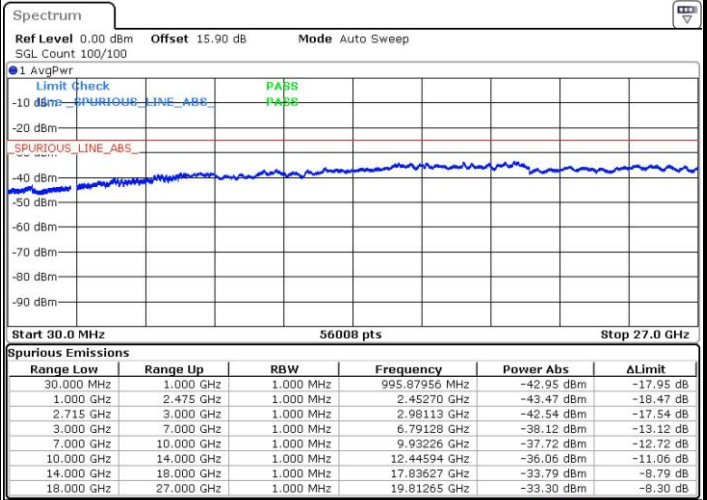
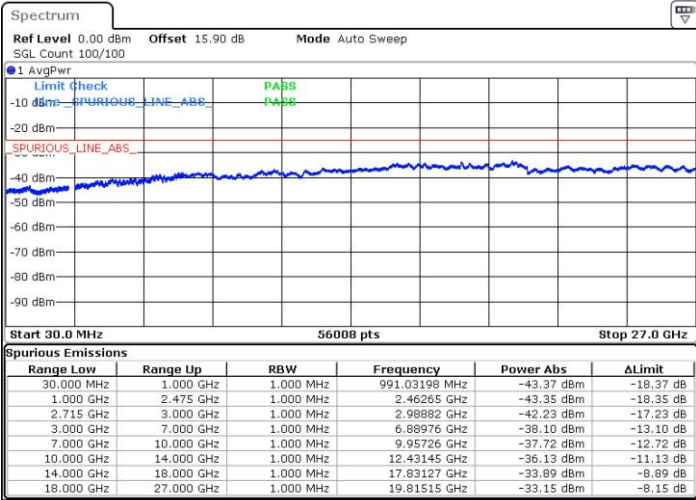
Date: 28 MAR 2019 02:35:14



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

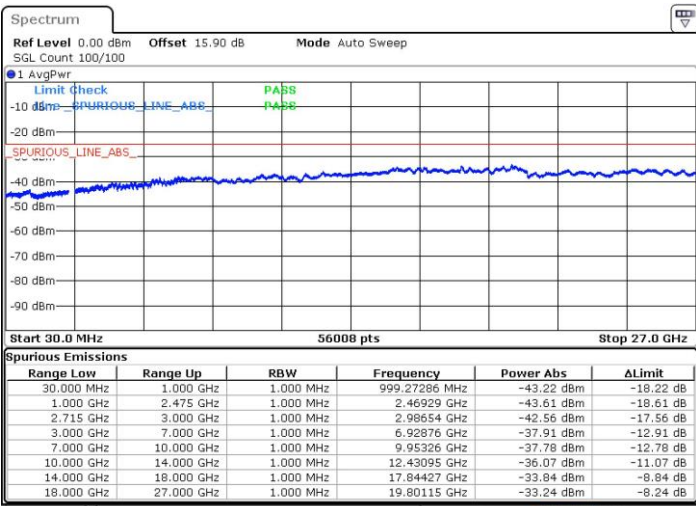
Middle Channel / 64QAM



Date: 28 MAR 2019 02:36:17

Date: 28 MAR 2019 02:37:18

Highest Channel / 64QAM



Date: 28 MAR 2019 02:38:19



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0020	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =7.6 V. ; Battery End Point (BEP) =7.0 V. ; Maximum Voltage =8.7 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66

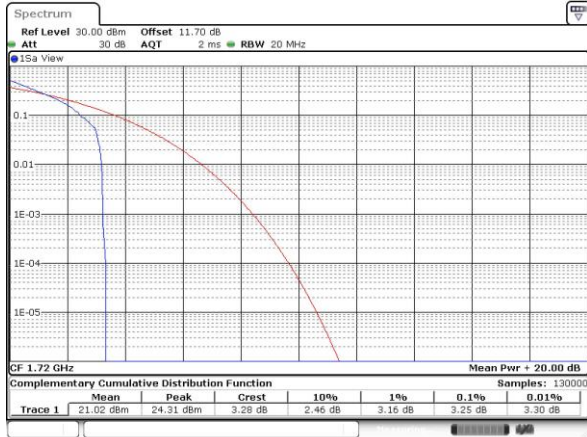
Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.25	4.23	4.52	5.57	PASS
Middle CH	3.13	4.38	4.49	5.57	
Highest CH	3.01	4.03	4.29	5.3	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.83	6.14	-	-	PASS
Middle CH	5.51	6.26	-	-	
Highest CH	5.45	5.97	-	-	



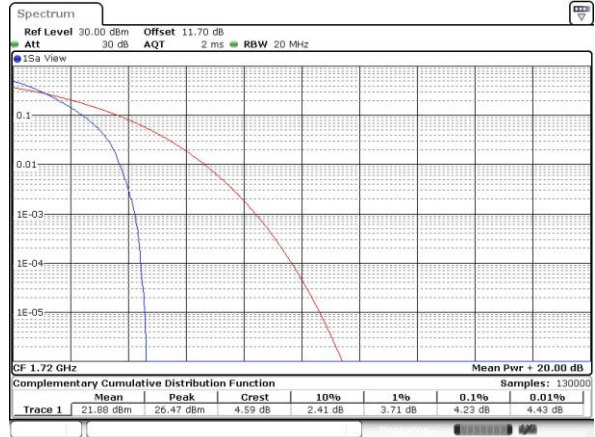
LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



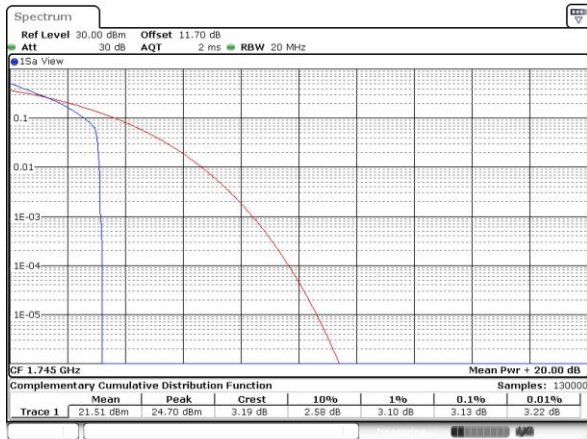
Date: 10 APR 2019 16:35:41

Lowest Channel / Full RB



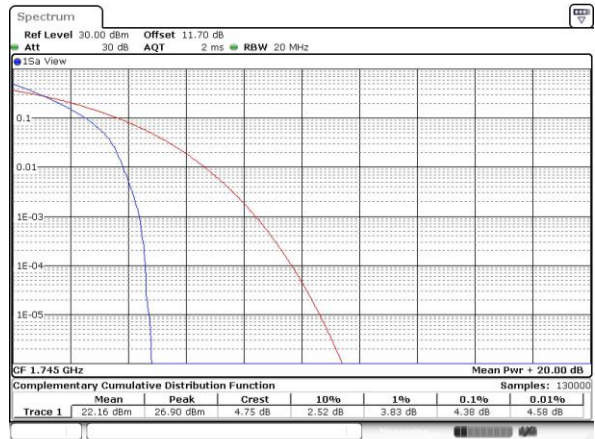
Date: 10 APR 2019 16:35:52

Middle Channel / 1RB



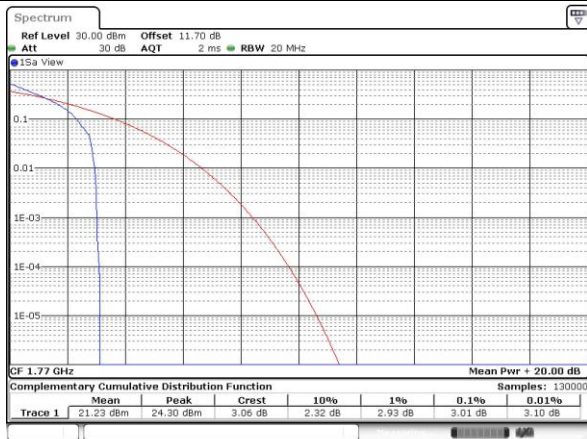
Date: 10 APR 2019 16:36:05

Middle Channel / Full RB



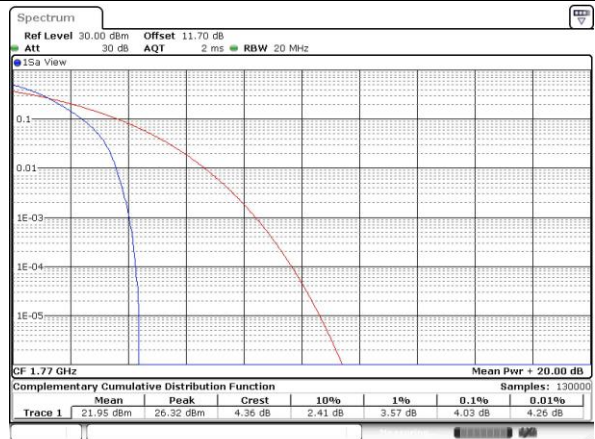
Date: 10 APR 2019 16:36:17

Highest Channel / 1RB



Date: 10 APR 2019 16:36:28

Highest Channel / Full RB

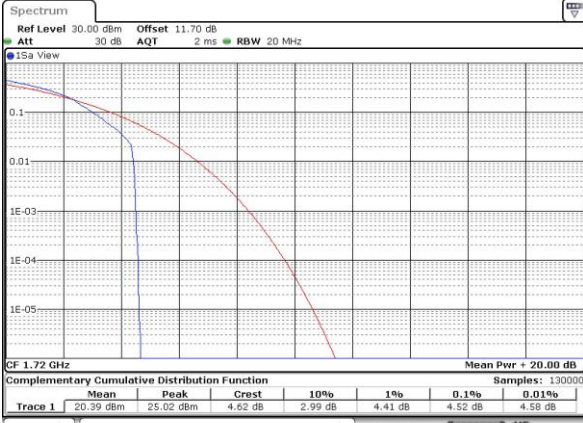


Date: 10 APR 2019 16:36:40



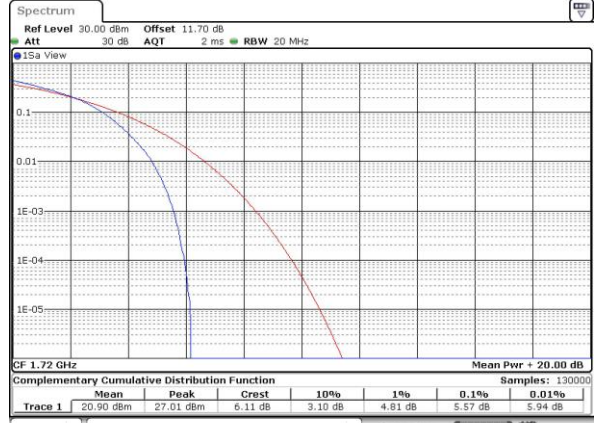
LTE Band 66 / 20MHz / 16QAM

Lowest Channel / 1RB



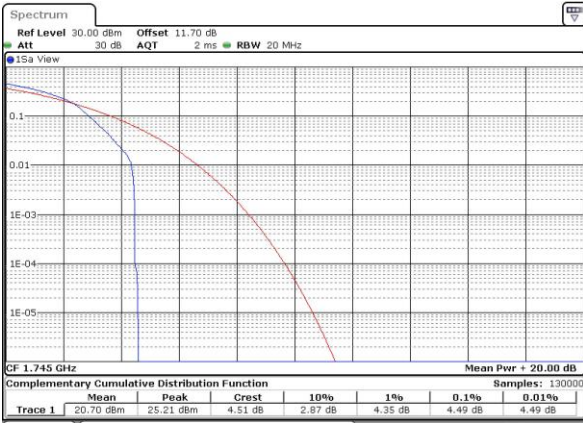
Date: 10 APR 2019 16:34:33

Lowest Channel / Full RB



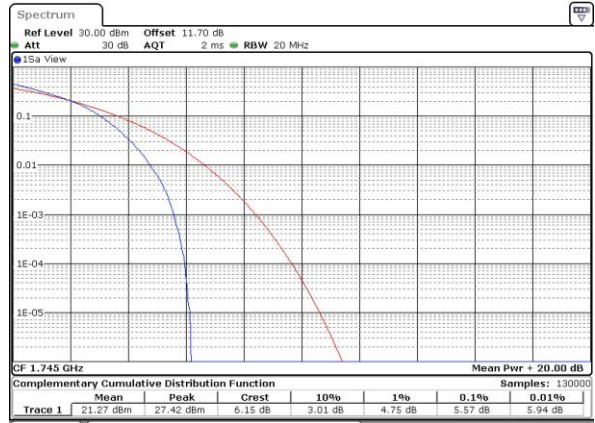
Date: 10 APR 2019 16:34:44

Middle Channel / 1RB



Date: 10 APR 2019 16:34:56

Middle Channel / Full RB



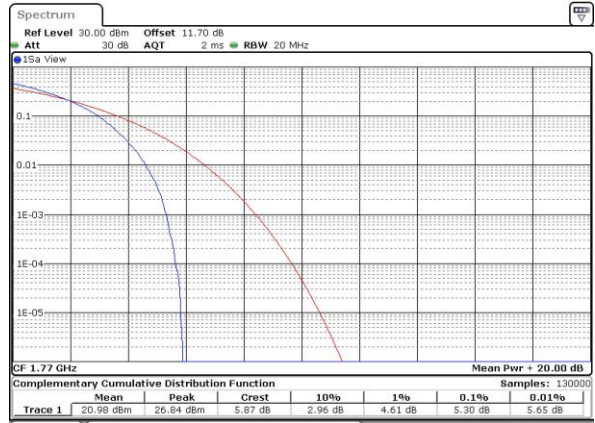
Date: 10 APR 2019 16:35:07

Highest Channel / 1RB



Date: 10 APR 2019 16:35:18

Highest Channel / Full RB

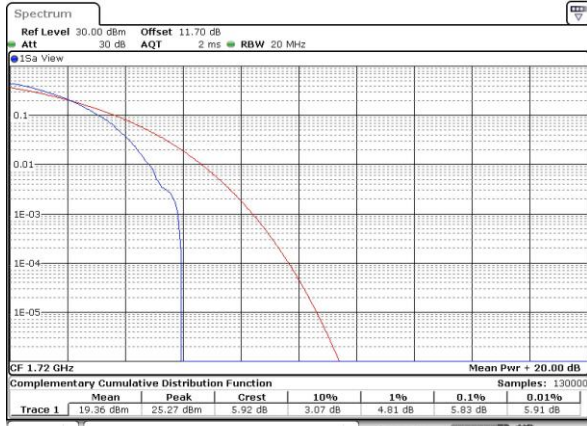


Date: 10 APR 2019 16:35:30



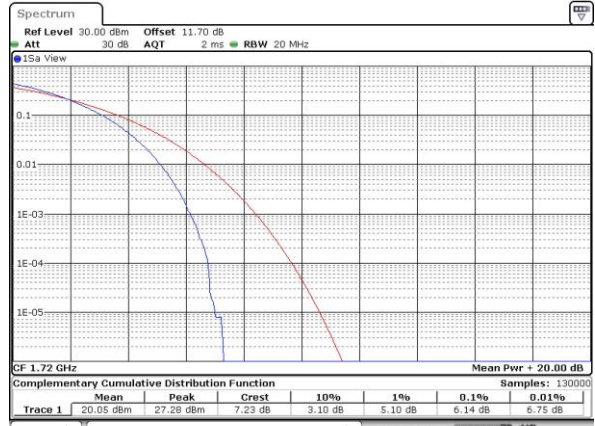
LTE Band 66 / 20MHz / 64QAM

Lowest Channel / 1RB



Date: 10 APR 2019 16:36:52

Lowest Channel / Full RB



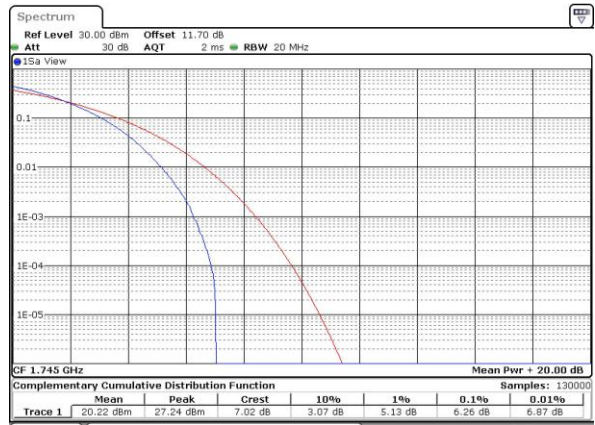
Date: 10 APR 2019 16:37:07

Middle Channel / 1RB



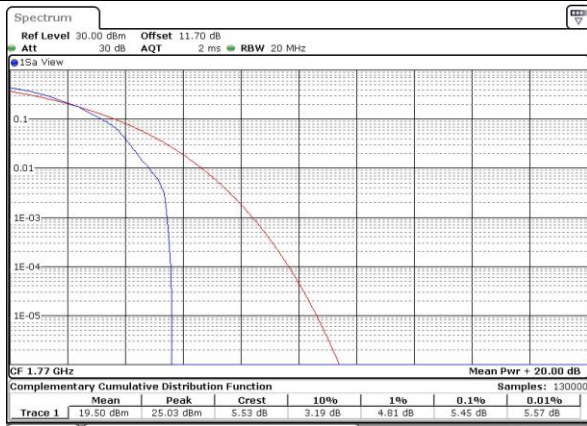
Date: 10 APR 2019 16:38:44

Middle Channel / Full RB



Date: 10 APR 2019 16:38:56

Highest Channel / 1RB



Date: 10 APR 2019 16:39:07

Highest Channel / Full RB



Date: 10 APR 2019 16:39:19



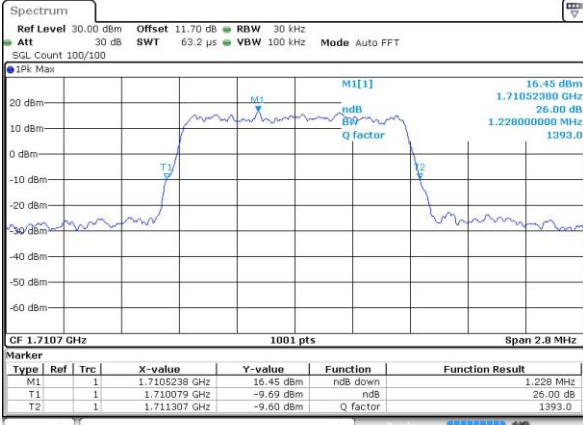
26dB Bandwidth

Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.23	1.23	3.06	3.05	4.82	4.94	9.99	9.87	14.57	14.24	18.98	19.02
Middle CH	1.22	1.22	3.02	3.00	4.92	4.95	9.79	9.83	14.27	14.60	19.26	18.94
Highest CH	1.26	1.26	3.18	2.99	4.91	4.98	9.69	9.79	14.51	14.45	18.78	18.98
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.24	-	3.01	-	4.91	-	9.71	-	14.60	-	19.10	-
Middle CH	1.23	-	3.04	-	4.89	-	9.65	-	14.15	-	19.18	-
Highest CH	1.24	-	2.97	-	4.88	-	9.87	-	14.48	-	18.70	-



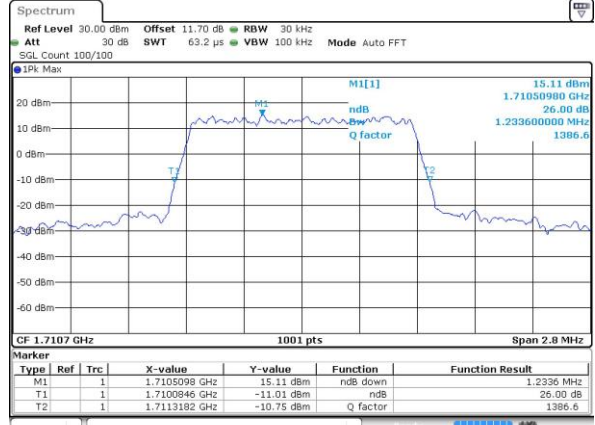
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



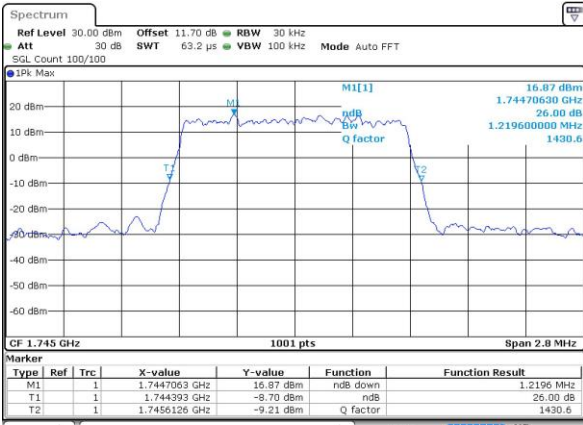
Date: 10 APR 2019 14:11:04

Lowest Channel / 1.4MHz / 16QAM



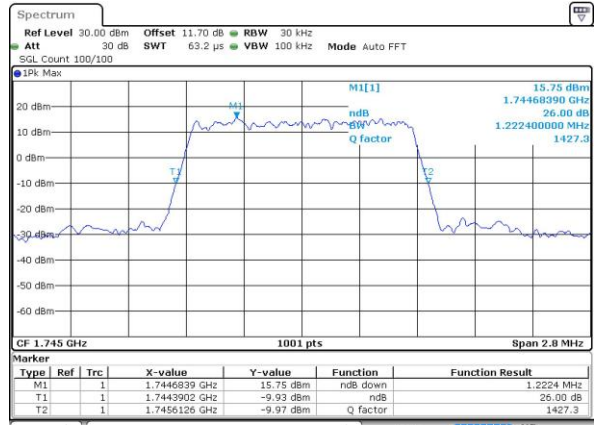
Date: 10 APR 2019 14:11:17

Middle Channel / 1.4MHz / QPSK



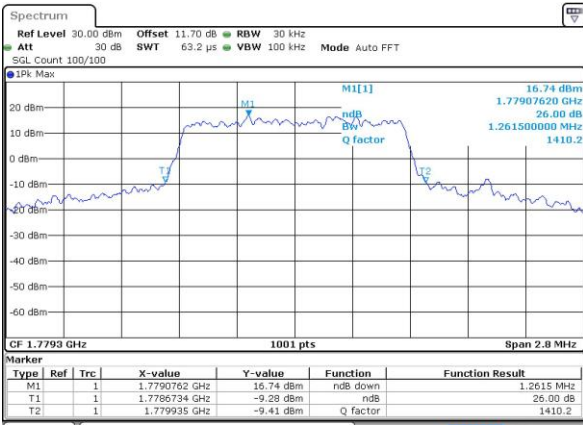
Date: 10 APR 2019 14:17:35

Middle Channel / 1.4MHz / 16QAM



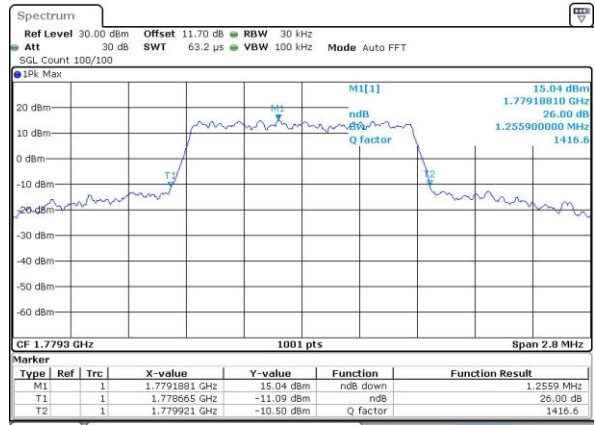
Date: 10 APR 2019 14:17:48

Highest Channel / 1.4MHz / QPSK



Date: 10 APR 2019 14:19:49

Highest Channel / 1.4MHz / 16QAM

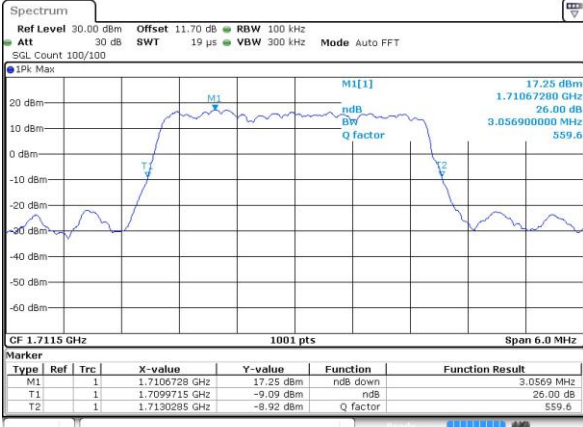


Date: 10 APR 2019 14:20:01



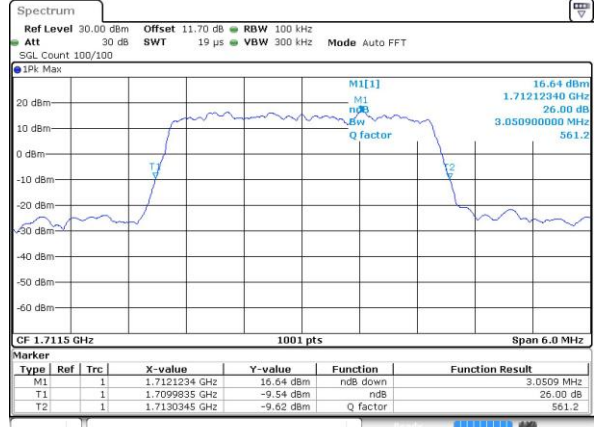
LTE Band 66

Lowest Channel / 3MHz / QPSK



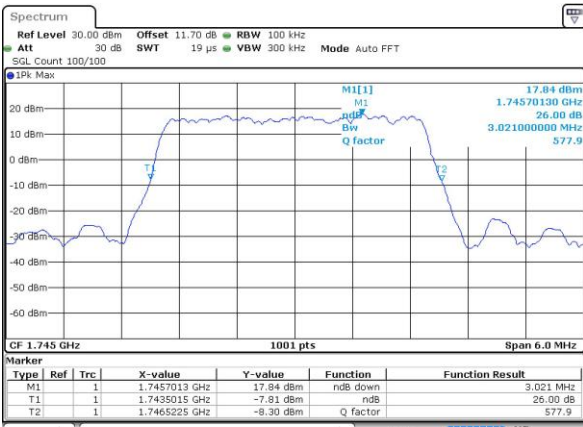
Date: 10 APR 2019 14:33:57

Lowest Channel / 3MHz / 16QAM



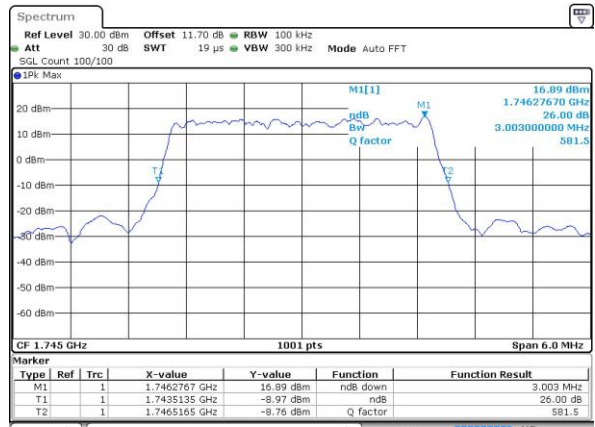
Date: 10 APR 2019 14:34:09

Middle Channel / 3MHz / QPSK



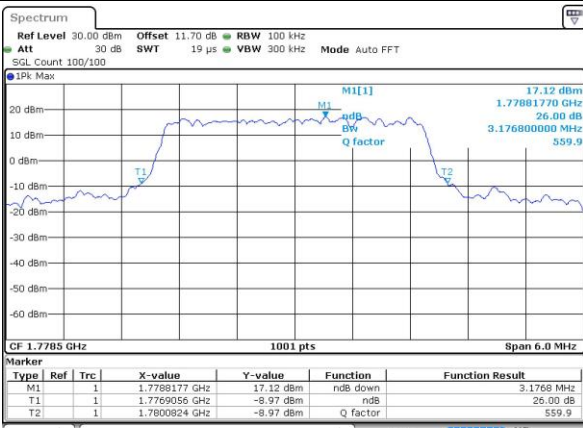
Date: 10 APR 2019 14:40:15

Middle Channel / 3MHz / 16QAM



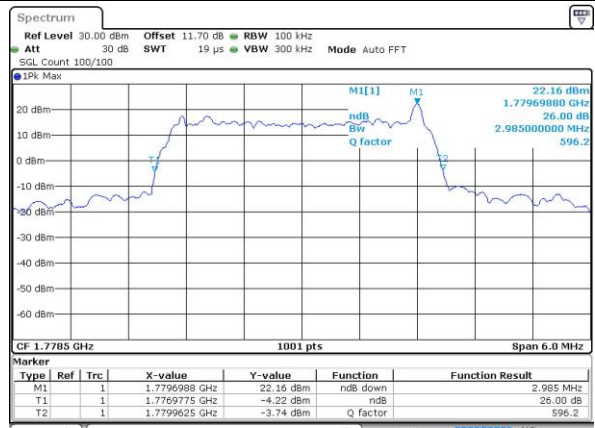
Date: 10 APR 2019 14:40:27

Highest Channel / 3MHz / QPSK



Date: 10 APR 2019 14:42:29

Highest Channel / 3MHz / 16QAM

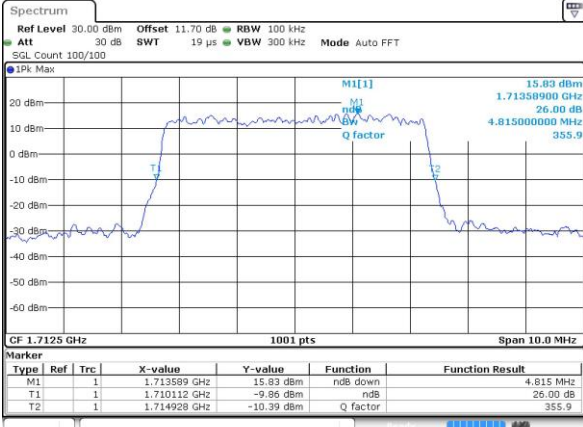


Date: 10 APR 2019 14:42:41



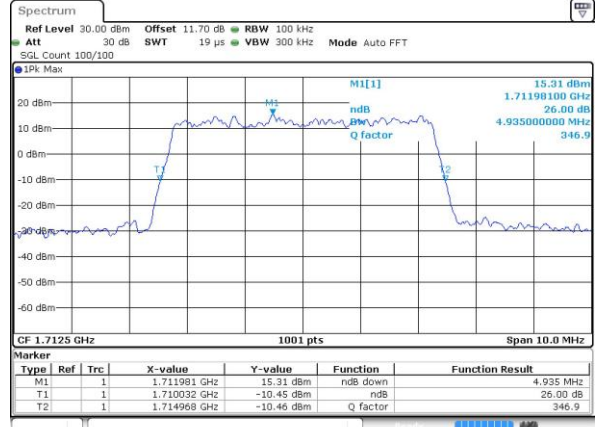
LTE Band 66

Lowest Channel / 5MHz / QPSK



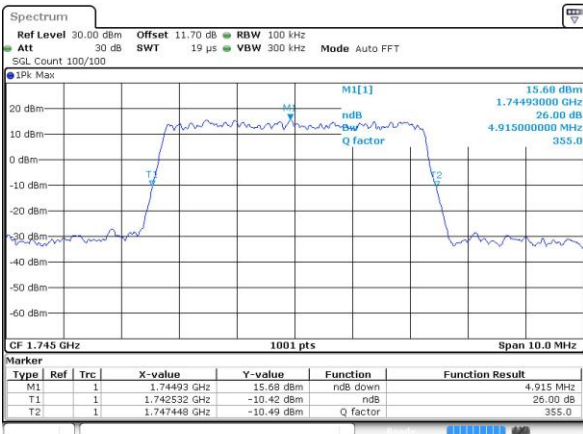
Date: 10 APR 2019 14:48:47

Lowest Channel / 5MHz / 16QAM



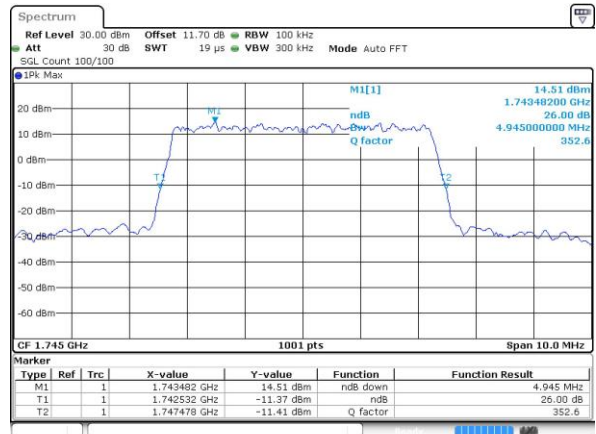
Date: 10 APR 2019 14:49:00

Middle Channel / 5MHz / QPSK



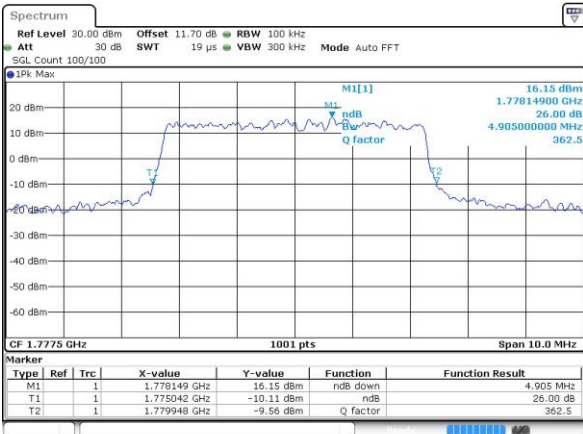
Date: 10 APR 2019 14:55:06

Middle Channel / 5MHz / 16QAM



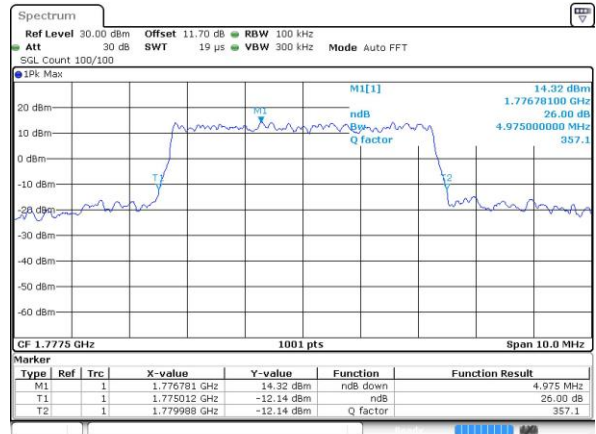
Date: 10 APR 2019 14:55:18

Highest Channel / 5MHz / QPSK



Date: 10 APR 2019 14:57:19

Highest Channel / 5MHz / 16QAM

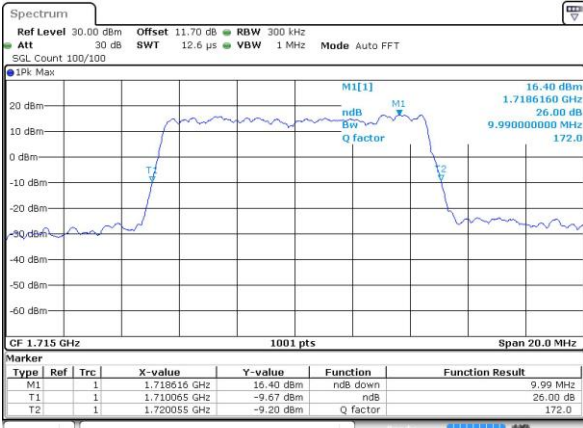


Date: 10 APR 2019 14:57:32



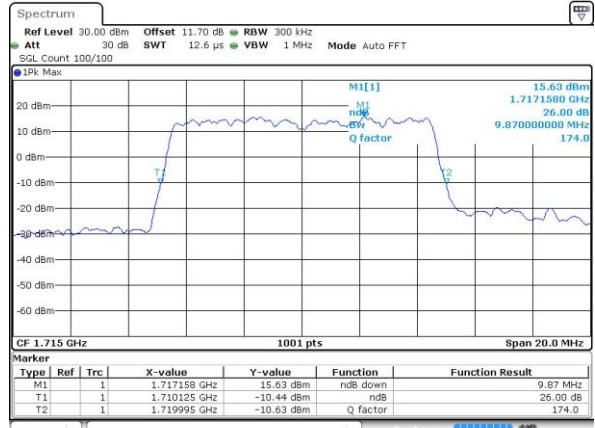
LTE Band 66

Lowest Channel / 10MHz / QPSK



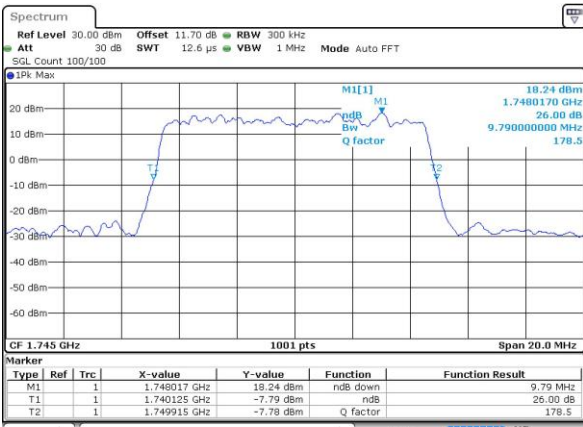
Date: 10 APR 2019 15:03:38

Lowest Channel / 10MHz / 16QAM



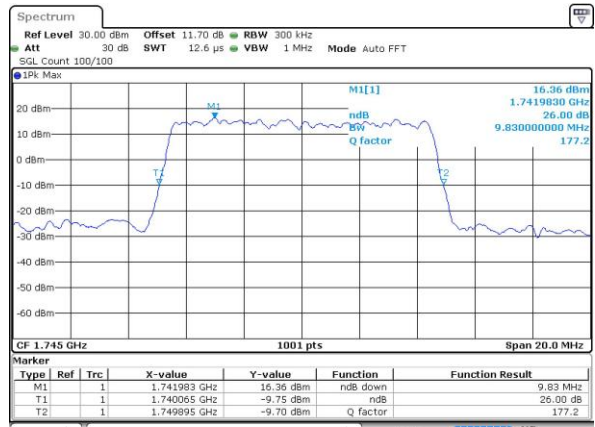
Date: 10 APR 2019 15:03:50

Middle Channel / 10MHz / QPSK



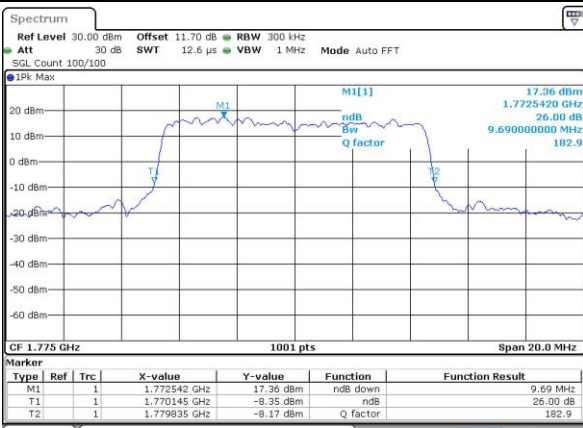
Date: 10 APR 2019 15:09:56

Middle Channel / 10MHz / 16QAM



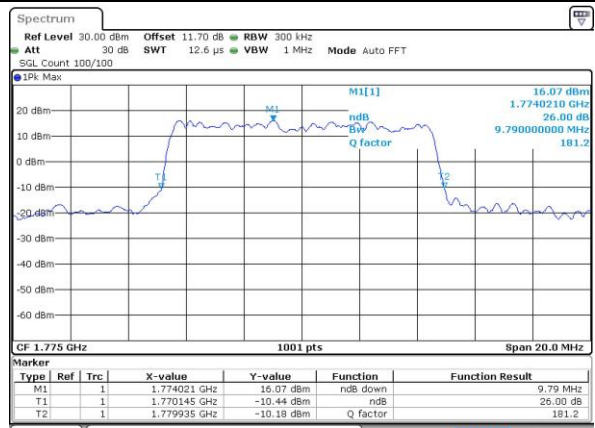
Date: 10 APR 2019 15:10:08

Highest Channel / 10MHz / QPSK



Date: 10 APR 2019 15:12:09

Highest Channel / 10MHz / 16QAM

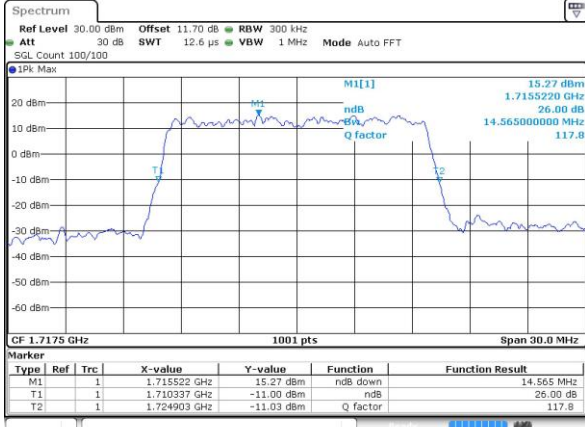


Date: 10 APR 2019 15:12:22



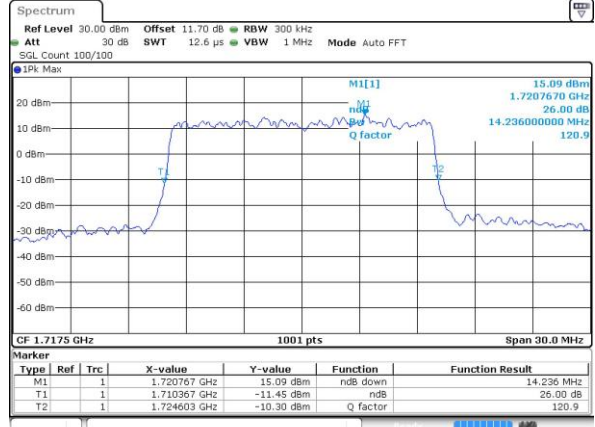
LTE Band 66

Lowest Channel / 15MHz / QPSK



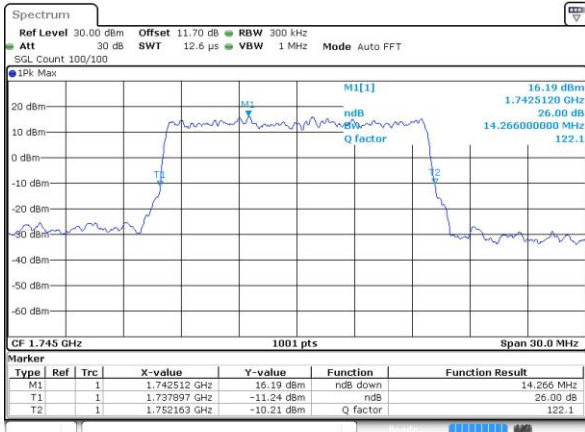
Date: 10 APR 2019 15:18:28

Lowest Channel / 15MHz / 16QAM



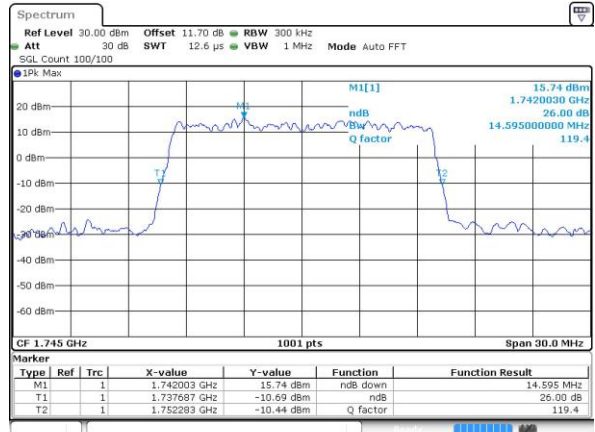
Date: 10 APR 2019 15:18:40

Middle Channel / 15MHz / QPSK



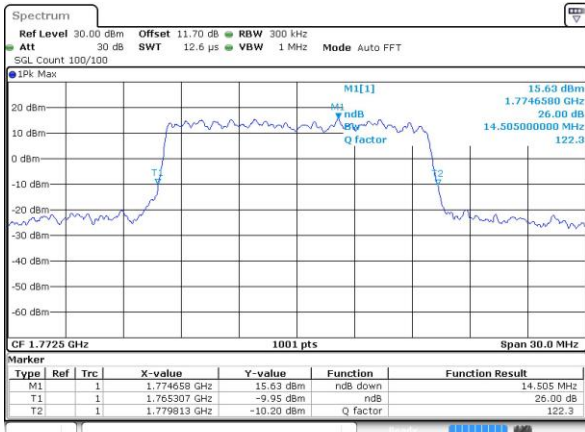
Date: 10 APR 2019 15:24:46

Middle Channel / 15MHz / 16QAM



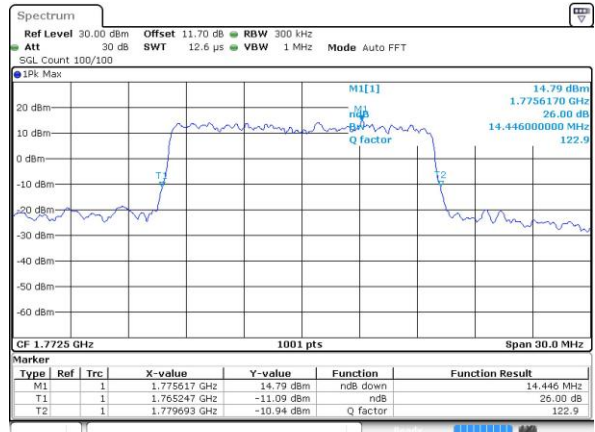
Date: 10 APR 2019 15:24:59

Highest Channel / 15MHz / QPSK



Date: 10 APR 2019 15:27:00

Highest Channel / 15MHz / 16QAM



Date: 10 APR 2019 15:27:13