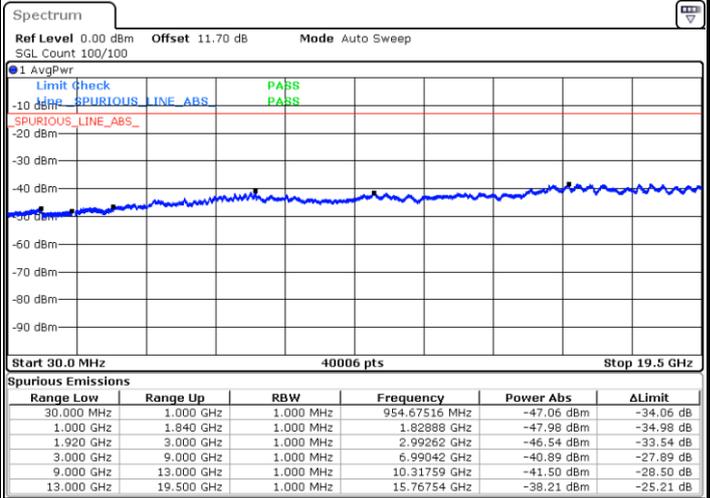
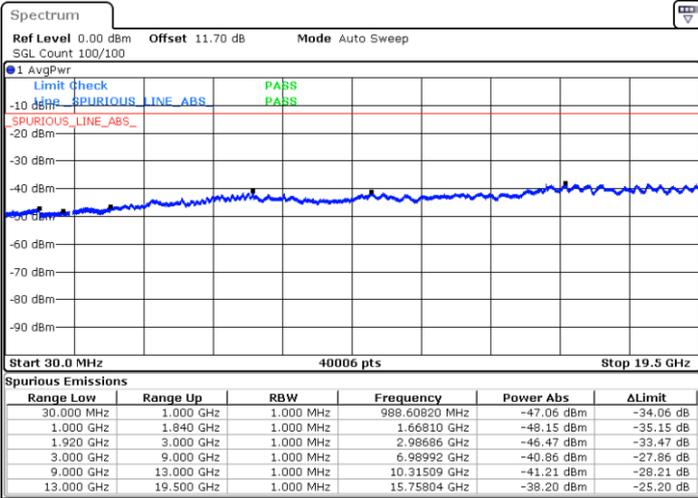




LTE Band 25 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

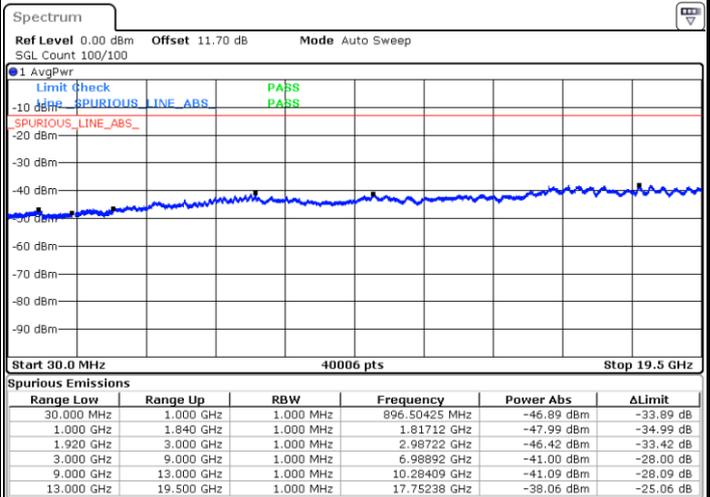
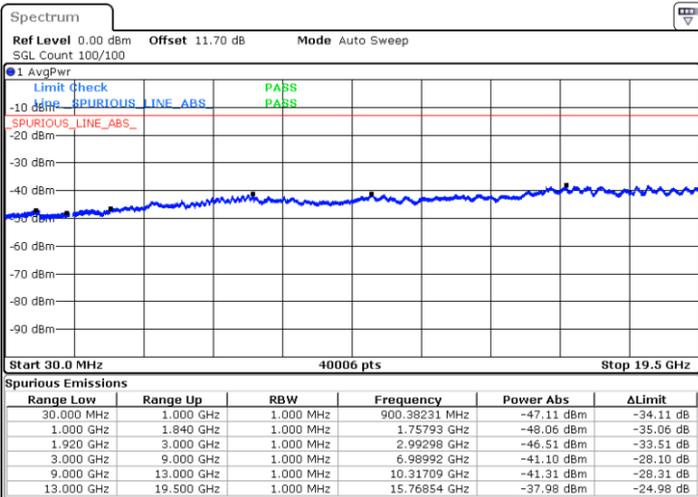


Date: 7.SEP.2017 09:06:33

Date: 7.SEP.2017 09:07:27

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6.SEP.2017 23:47:07

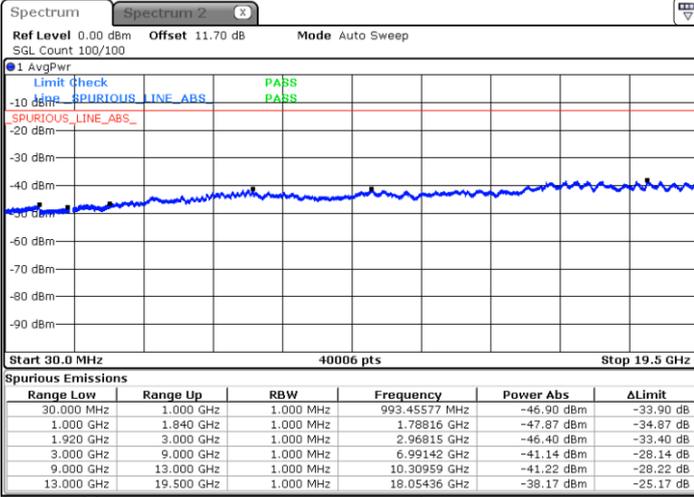
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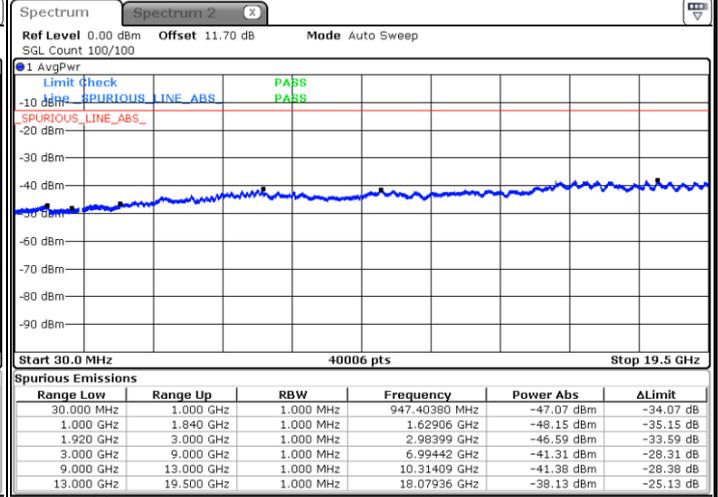
LTE Band 25 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

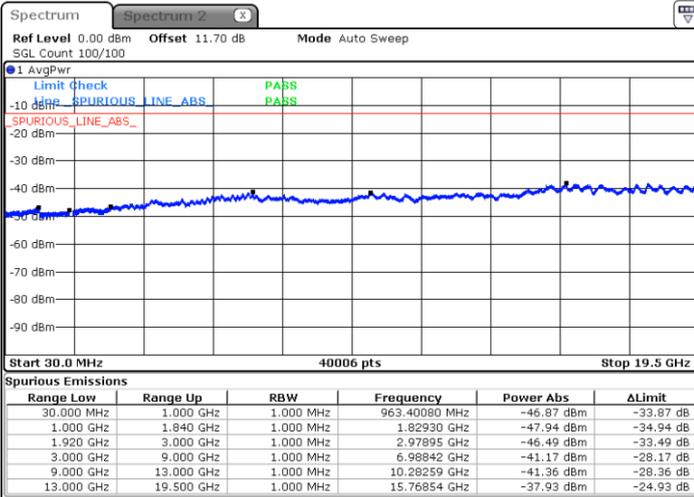


Date: 27.OCT.2017 17:24:36



Date: 27.OCT.2017 17:25:50

Highest Channel / 64QAM



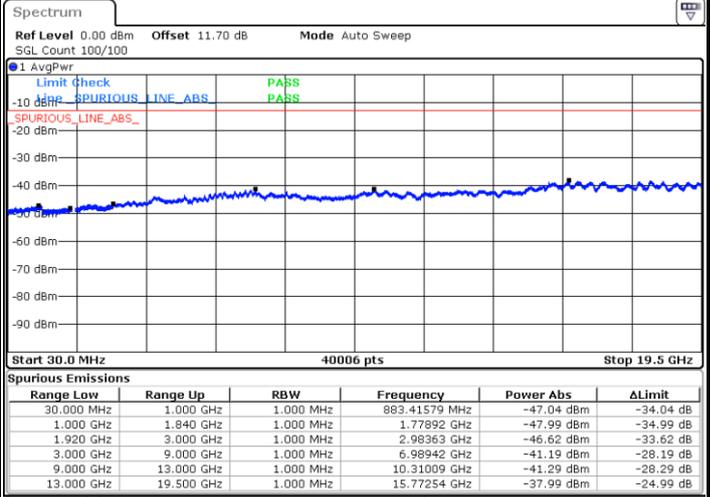
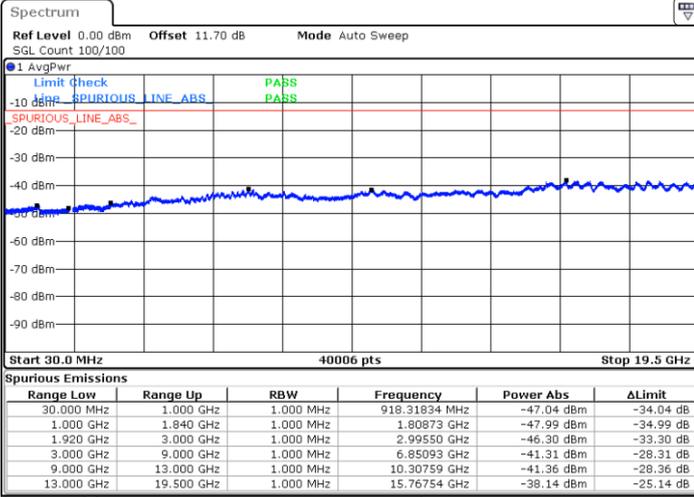
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LTE Band 25 / 3MHz

Lowest Channel / 64QAM

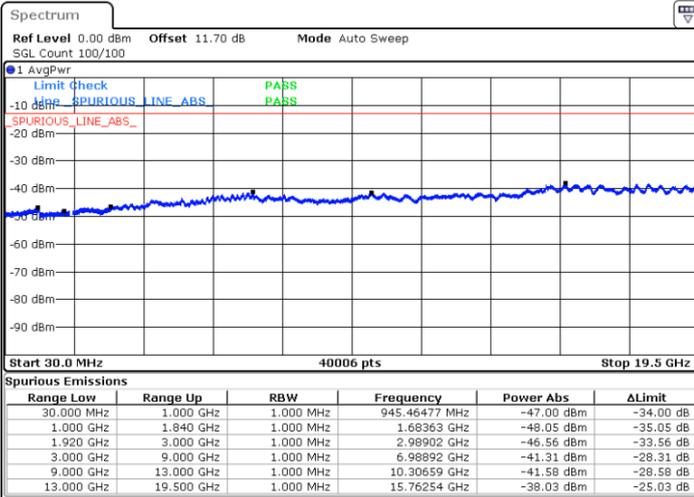
Middle Channel / 64QAM



Date: 27.OCT.2017 13:38:21

Date: 27.OCT.2017 13:39:35

Highest Channel / 64QAM



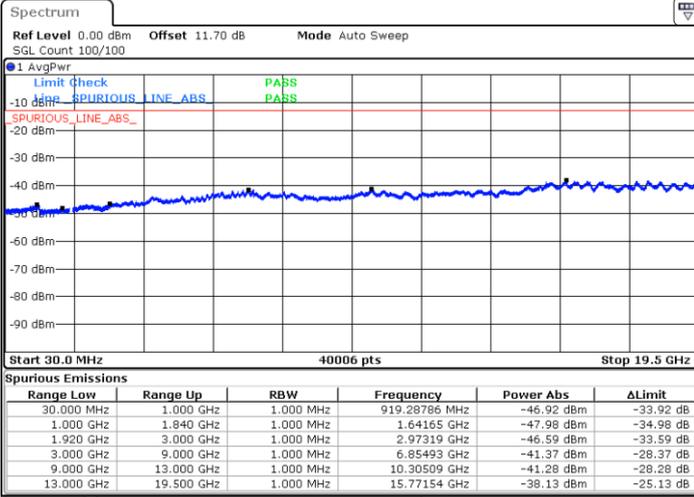
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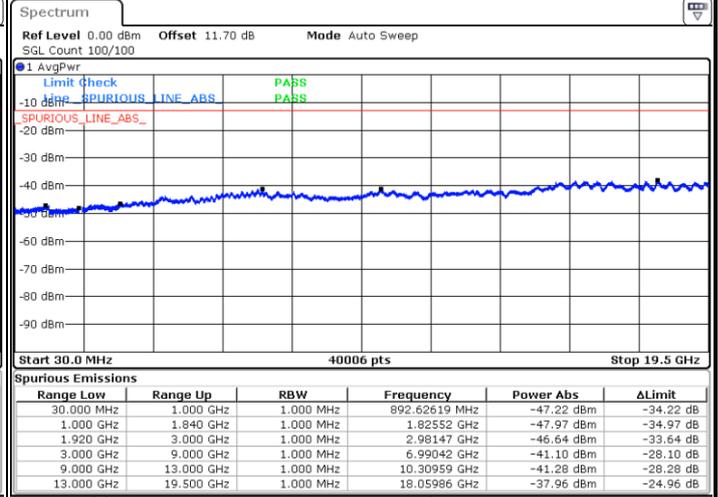
LTE Band 25 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

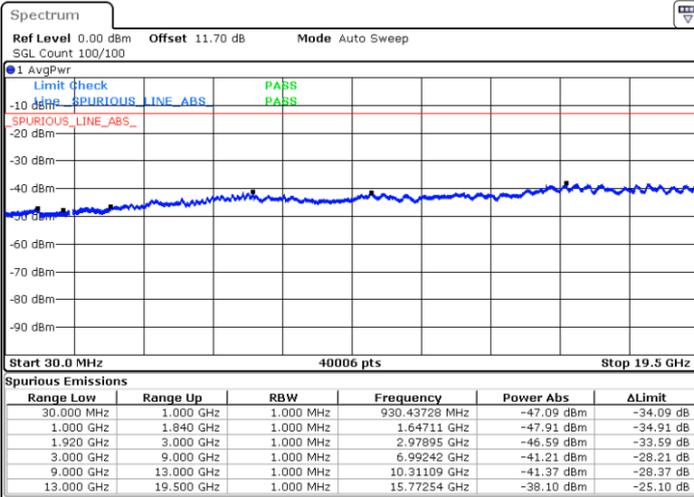


Date: 27.OCT.2017 13:46:38



Date: 27.OCT.2017 13:47:52

Highest Channel / 64QAM



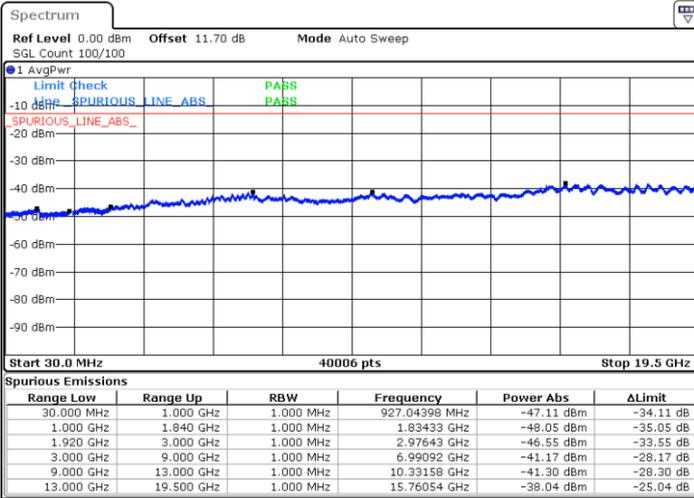
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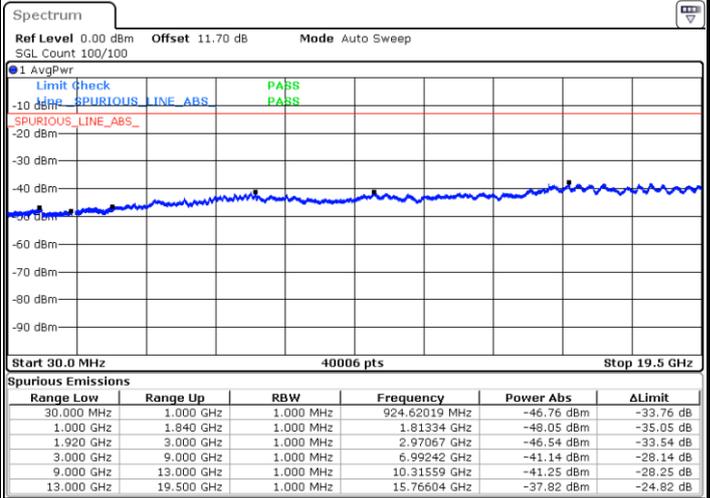
LTE Band 25 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

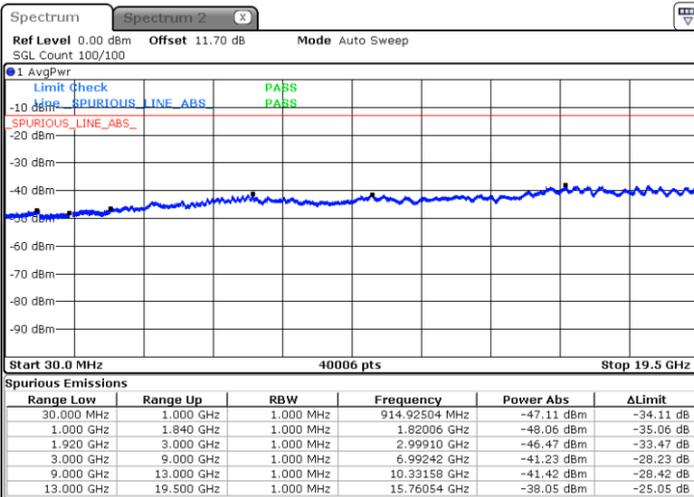


Date: 27.OCT.2017 13:54:55



Date: 27.OCT.2017 13:56:09

Highest Channel / 64QAM



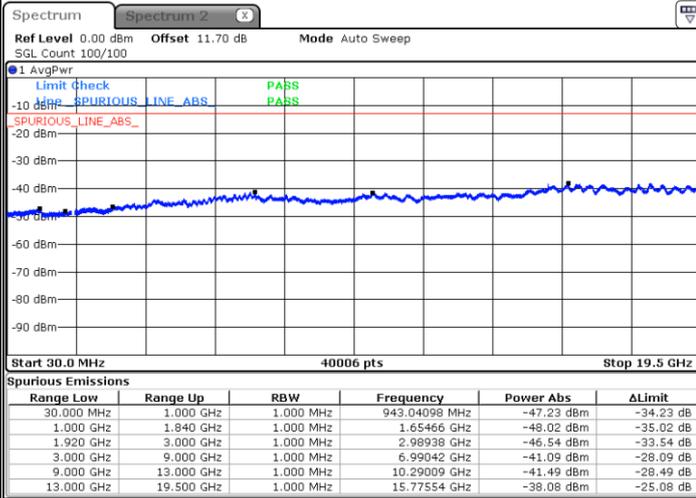
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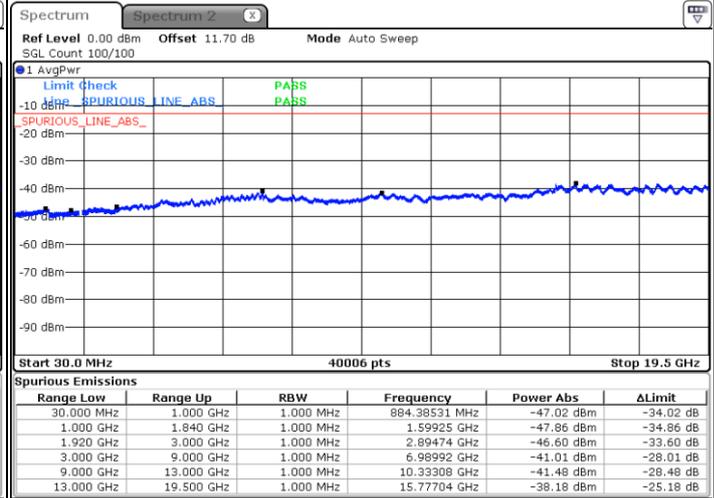
LTE Band 25 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

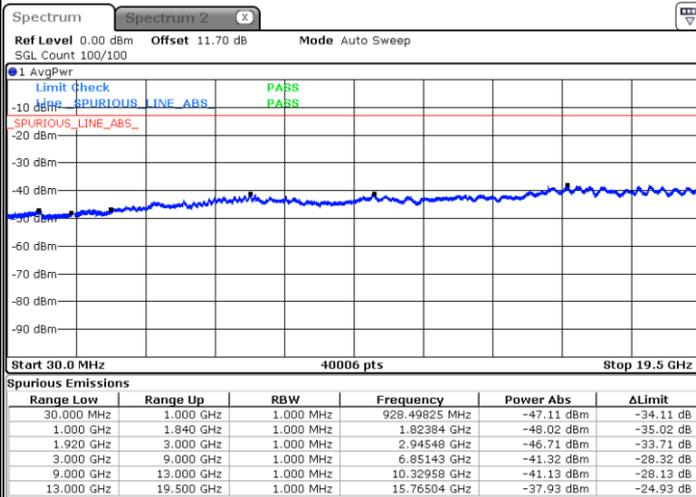


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Date: 27.OCT.2017 17:09:15

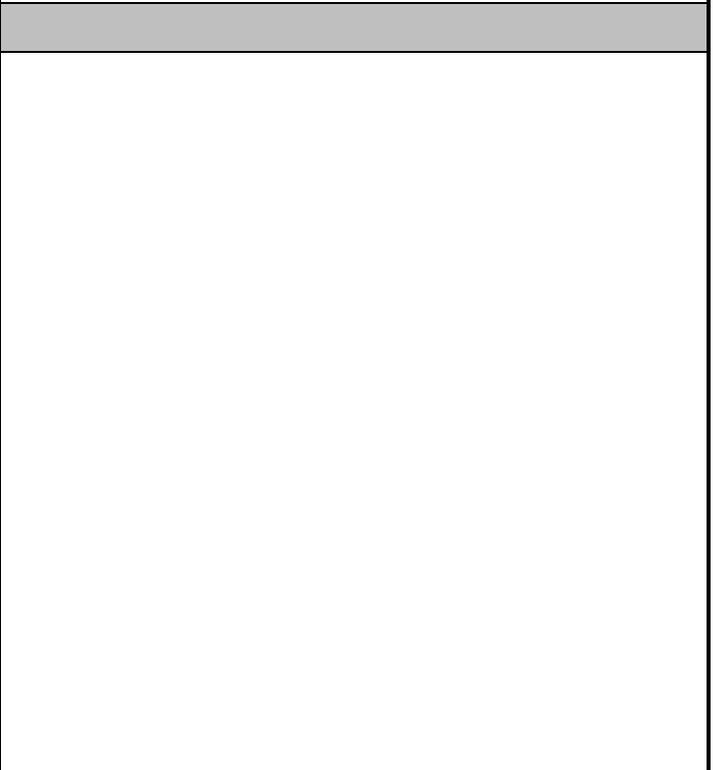
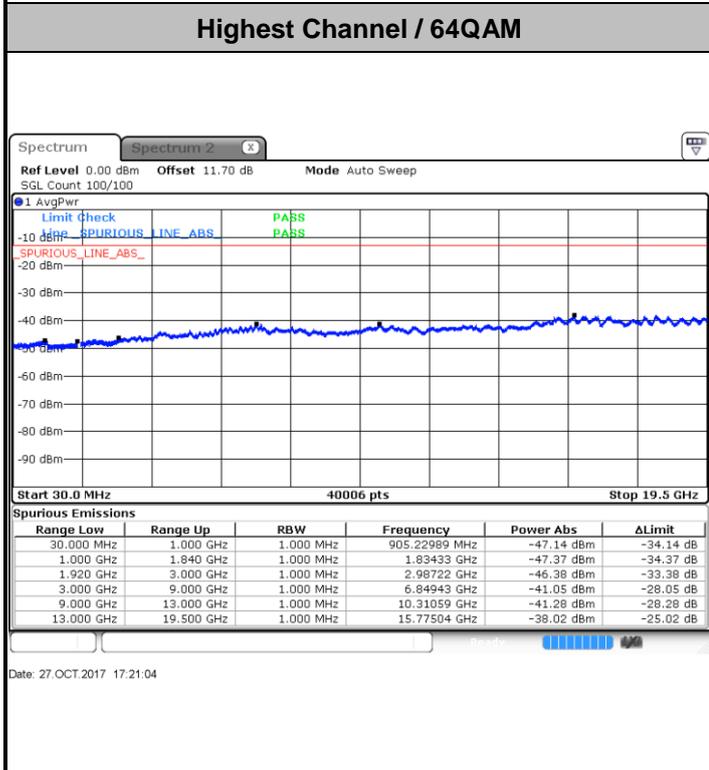
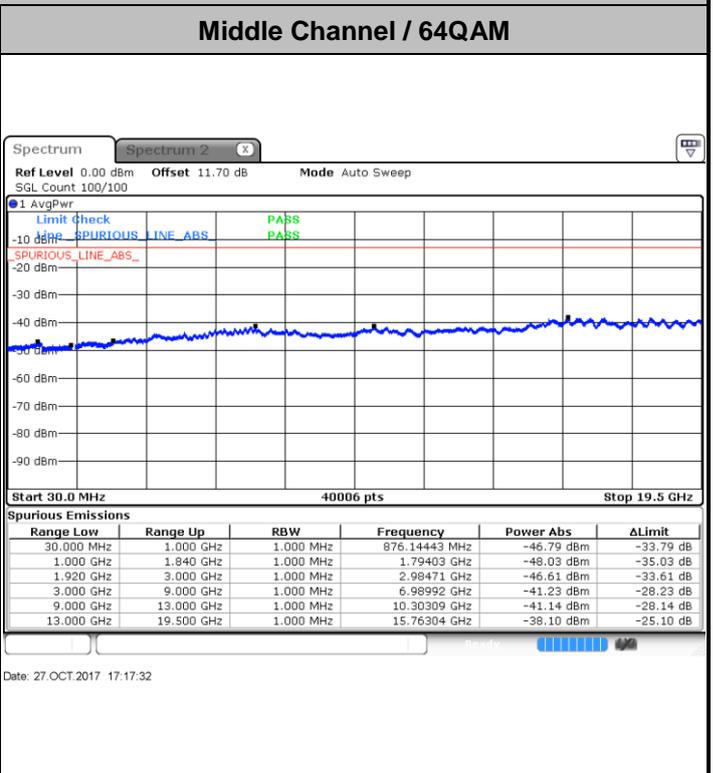
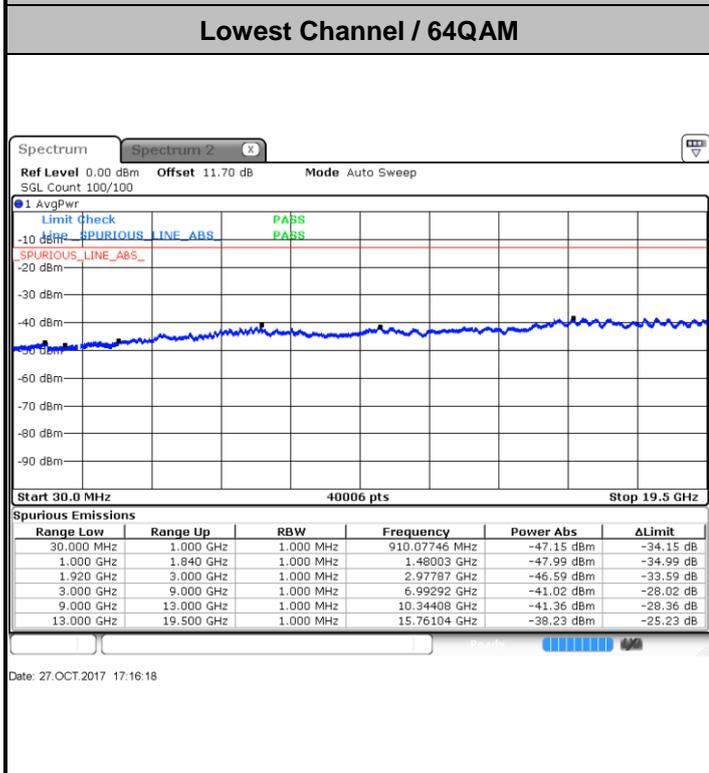
Highest Channel / 64QAM



Date: 27.OCT.2017 17:12:47



LTE Band 25 / 20MHz





Frequency Stability

Test Conditions		LTE Band 25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0094	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0087	
0	Normal Voltage	0.0096	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0082	
-30	Normal Voltage	0.0083	
20	Maximum Voltage	0.0086	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0093	

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 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	3.33	4.41	4.14	5.39	PASS
Middle CH	3.57	3.91	4.17	4.87	
Highest CH	3.74	4.26	4.49	5.45	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.16	6.2	-	-	PASS
Middle CH	6.09	6.14	-	-	
Highest CH	4.93	6.23	-	-	



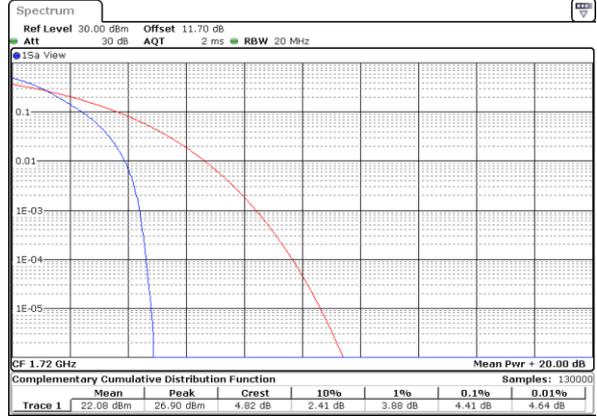
LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



Date: 7 SEP 2017 09:49:13

Lowest Channel / Full RB



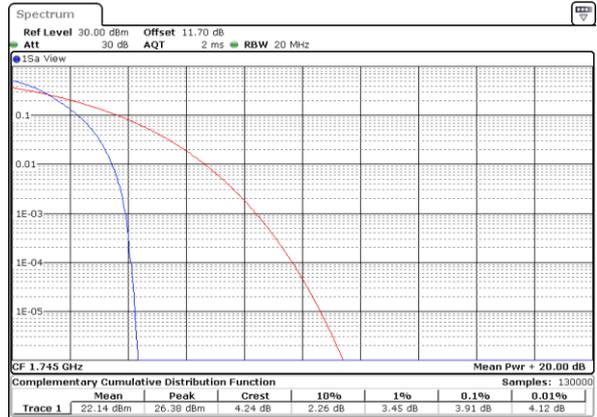
Date: 7 SEP 2017 09:49:23

Middle Channel / 1RB



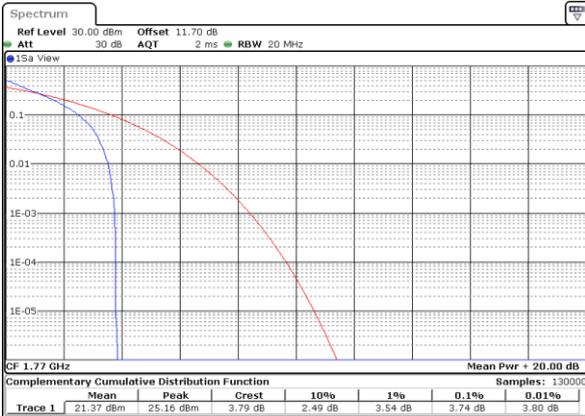
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Middle Channel / Full RB



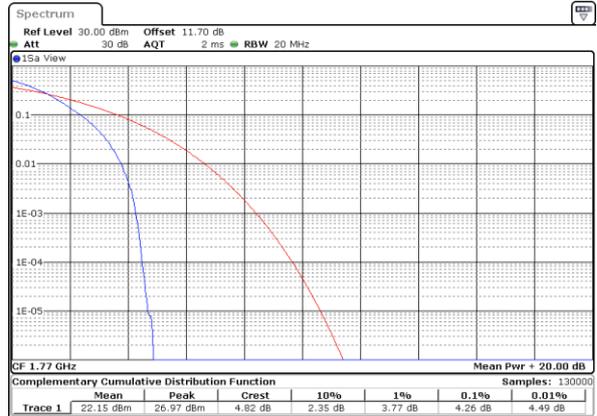
Date: 7 SEP 2017 09:50:15

Highest Channel / 1RB



Date: 7 SEP 2017 09:50:30

Highest Channel / Full RB



Date: 7 SEP 2017 09:51:19



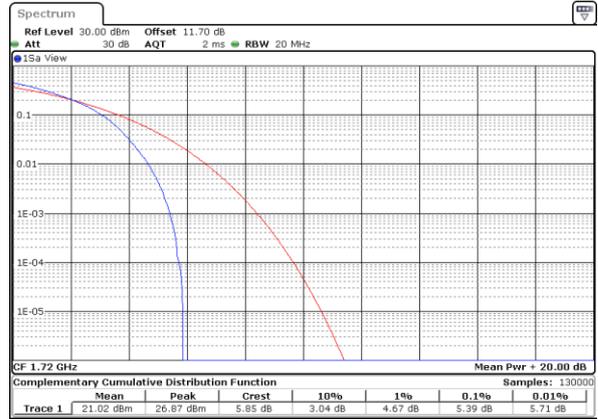
LTE Band 66 / 20MHz / 16QAM

Lowest Channel / 1RB



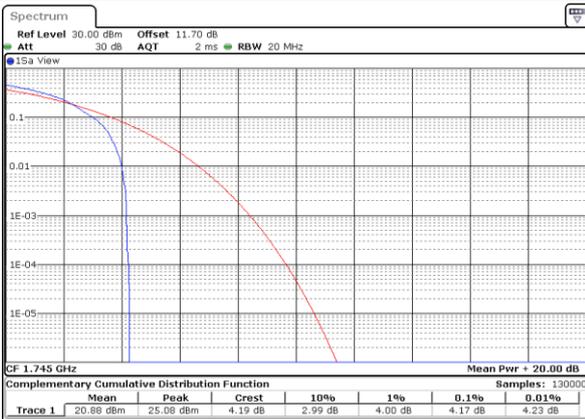
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Lowest Channel / Full RB



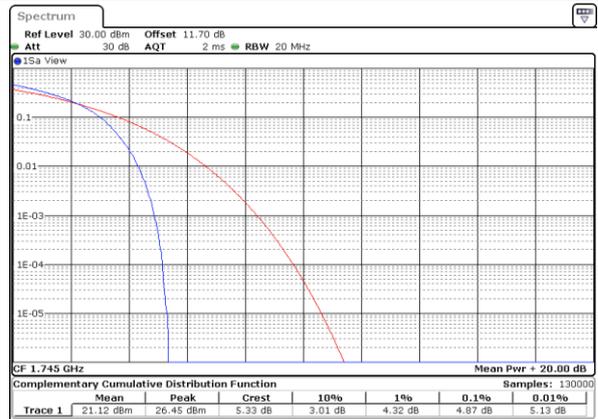
Date: 7 SEP 2017 09:48:29

Middle Channel / 1RB



Date: 7 SEP 2017 09:48:37

Middle Channel / Full RB



Date: 7 SEP 2017 09:48:47

Highest Channel / 1RB



Date: 7 SEP 2017 09:48:56

Highest Channel / Full RB

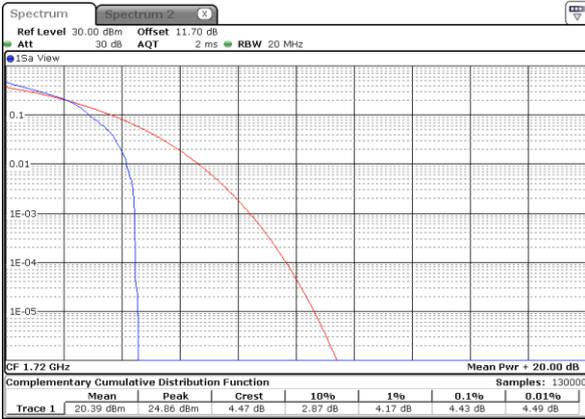


Date: 7 SEP 2017 09:49:04



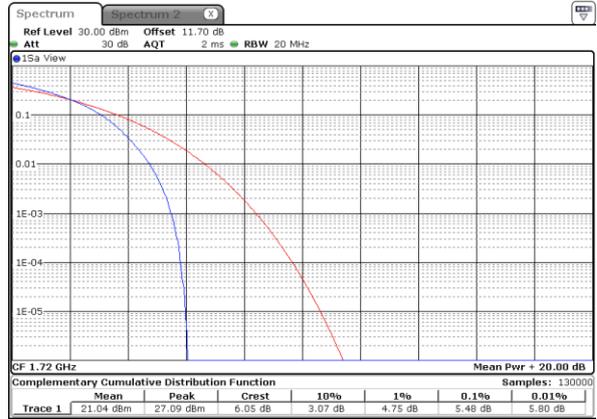
LTE Band 66 / 20MHz / 64QAM

Lowest Channel / 1RB



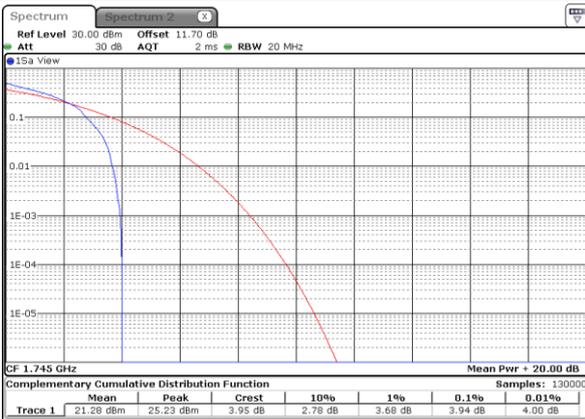
Date: 27.OCT.2017 18:46:46

Lowest Channel / Full RB



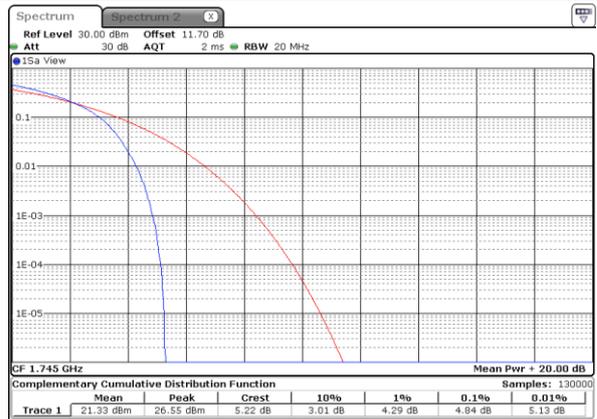
Date: 27.OCT.2017 18:46:55

Middle Channel / 1RB



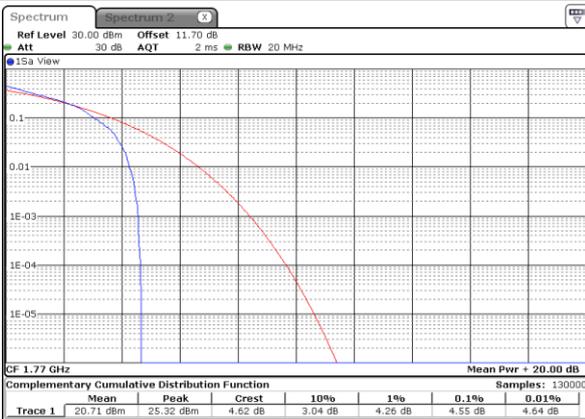
Date: 27.OCT.2017 18:47:03

Middle Channel / Full RB



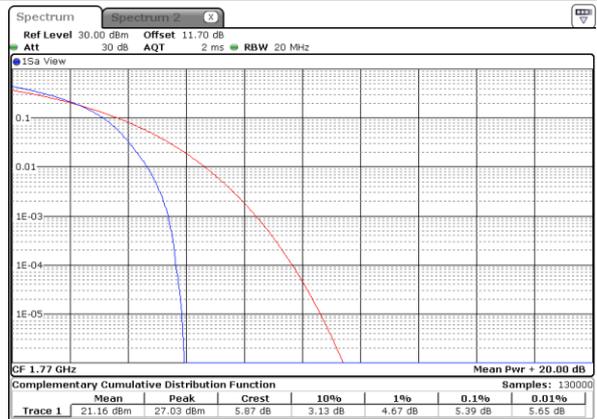
Date: 27.OCT.2017 18:47:12

Highest Channel / 1RB



Date: 27.OCT.2017 18:47:20

Highest Channel / Full RB



Date: 27.OCT.2017 18:47:32



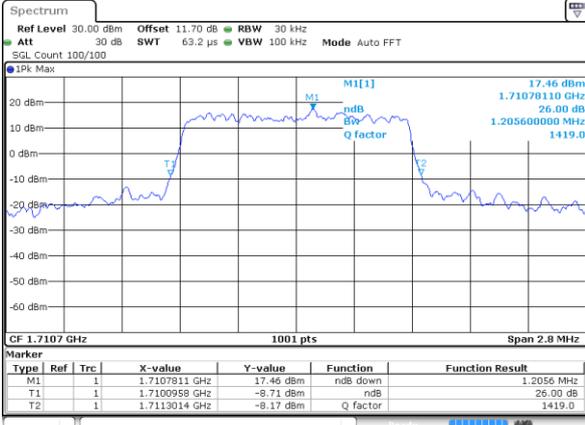
26dB Bandwidth

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	1.21	1.23	3.06	3.00	4.97	4.81	9.89	9.83	14.45	14.45	20.18	20.06
Middle CH	1.23	1.23	3.20	3.06	5.00	4.84	9.85	9.81	14.24	14.27	20.30	20.34
Highest CH	1.23	1.22	2.96	3.00	4.93	4.96	9.81	9.95	14.60	14.30	20.26	20.26
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23	-	3.02	-	4.86	-	9.87	-	14.3	-	20.14	-
Middle CH	1.24	-	3.07	-	4.87	-	9.89	-	14.3	-	20.06	-
Highest CH	1.24	-	3.05	-	4.87	-	9.81	-	14.33	-	20.02	-



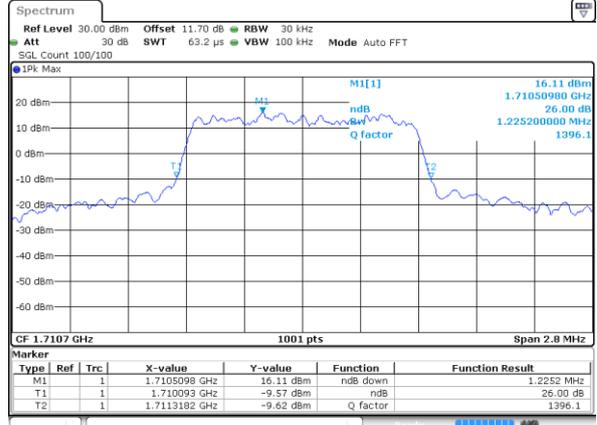
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



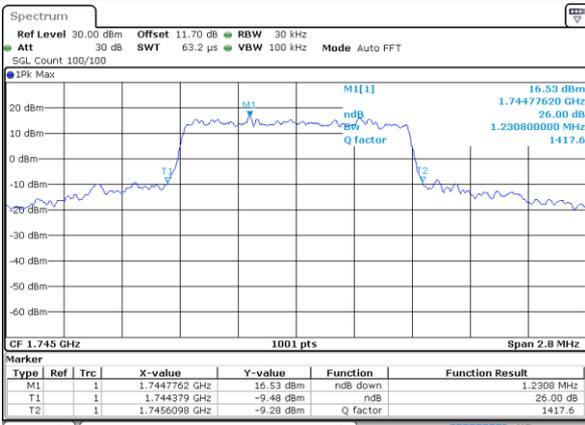
Date: 7 SEP 2017 09:31:05

Lowest Channel / 1.4MHz / 16QAM



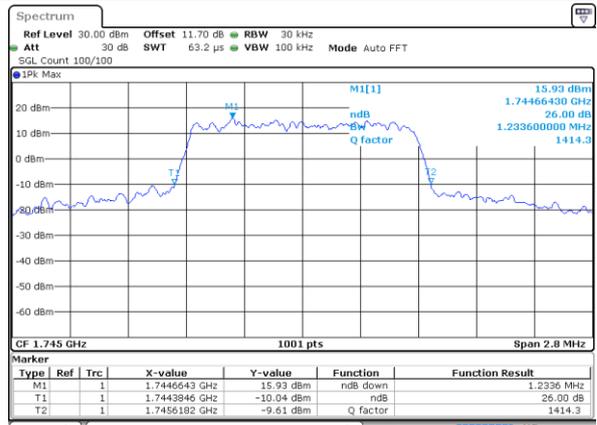
Date: 7 SEP 2017 09:31:15

Middle Channel / 1.4MHz / QPSK



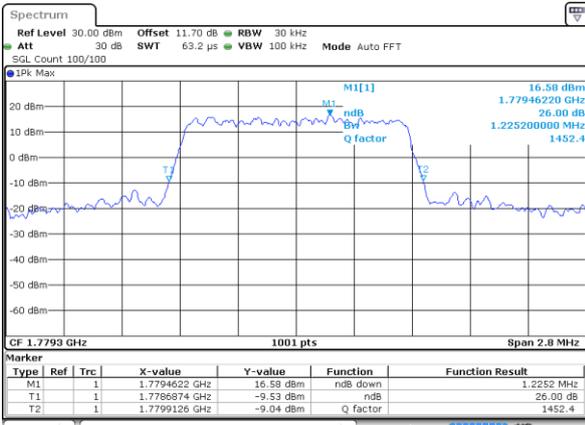
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Middle Channel / 1.4MHz / 16QAM



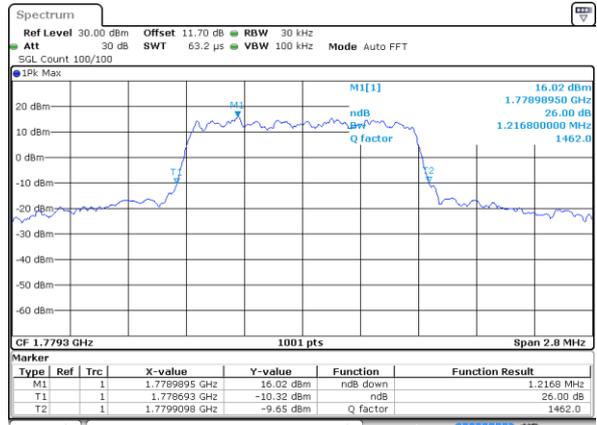
Date: 7 SEP 2017 09:38:19

Highest Channel / 1.4MHz / QPSK



Date: 7 SEP 2017 09:40:39

Highest Channel / 1.4MHz / 16QAM

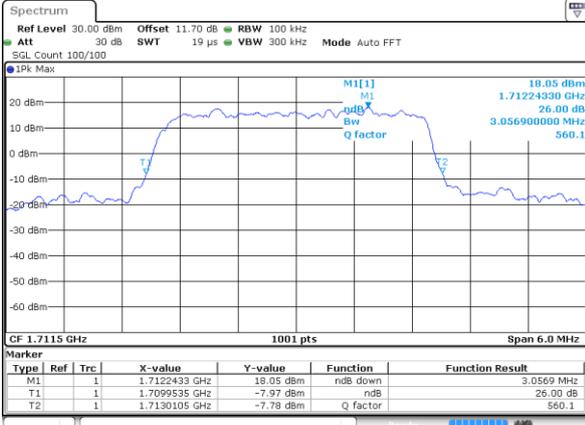


Date: 7 SEP 2017 09:40:49



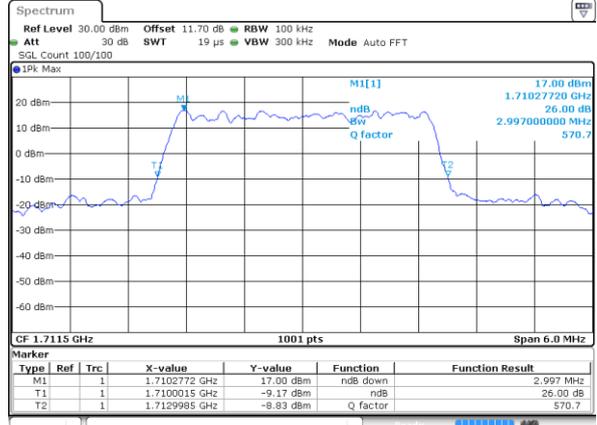
LTE Band 66

Lowest Channel / 3MHz / QPSK



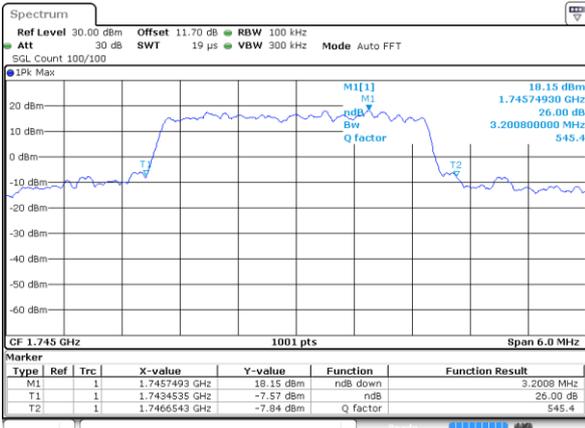
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Lowest Channel / 3MHz / 16QAM



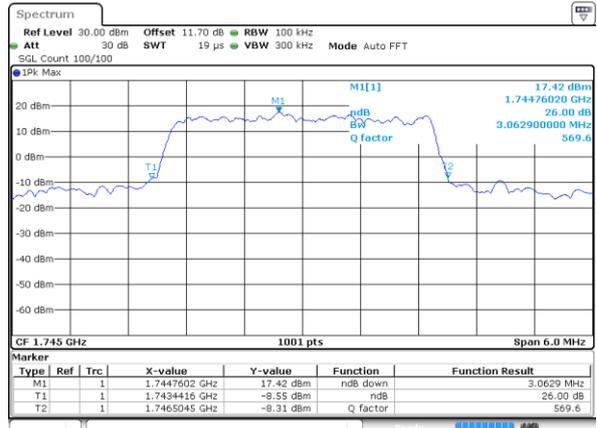
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Middle Channel / 3MHz / QPSK



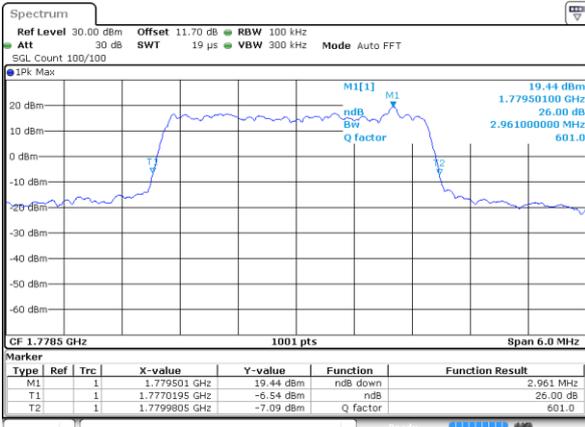
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Middle Channel / 3MHz / 16QAM



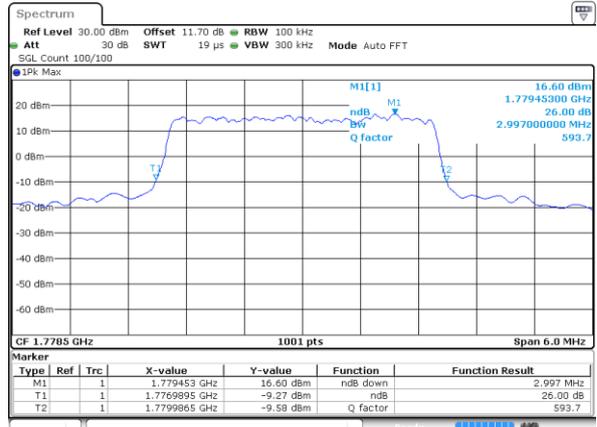
Date: 7.SEP.2017 00:21:09

Highest Channel / 3MHz / QPSK



Date: 7.SEP.2017 00:23:29

Highest Channel / 3MHz / 16QAM

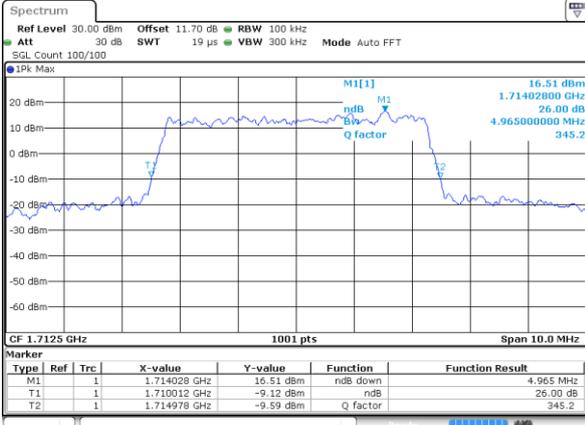


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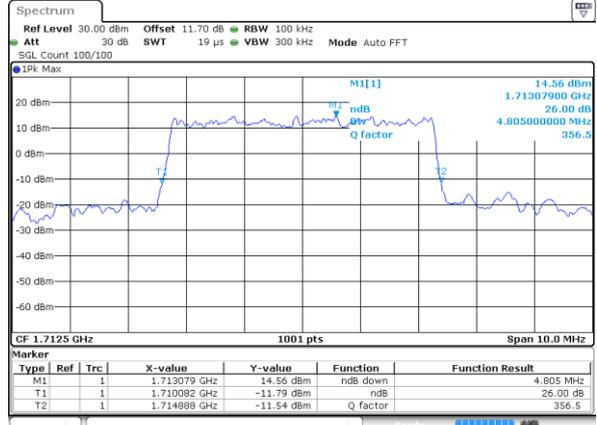
LTE Band 66

Lowest Channel / 5MHz / QPSK



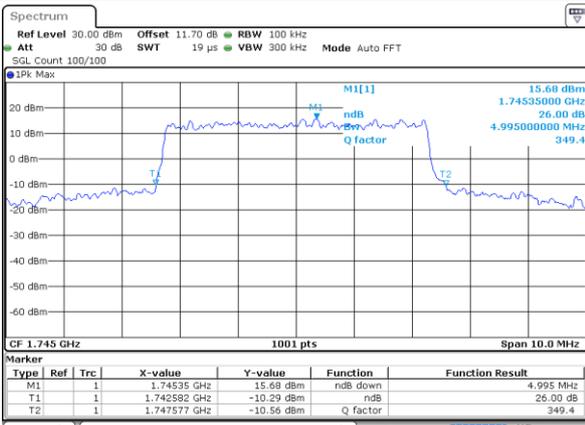
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Lowest Channel / 5MHz / 16QAM



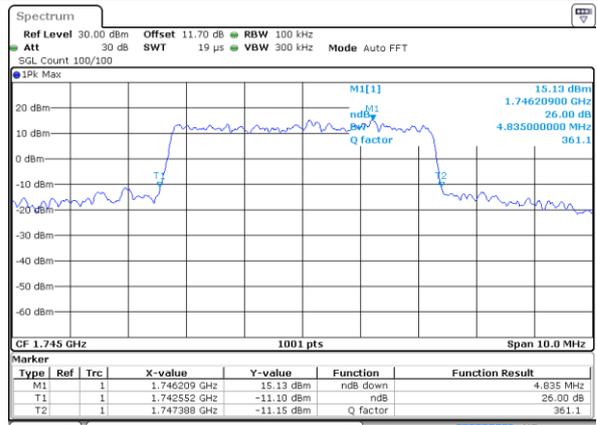
Date: 7 SEP 2017 00:30:42

Middle Channel / 5MHz / QPSK



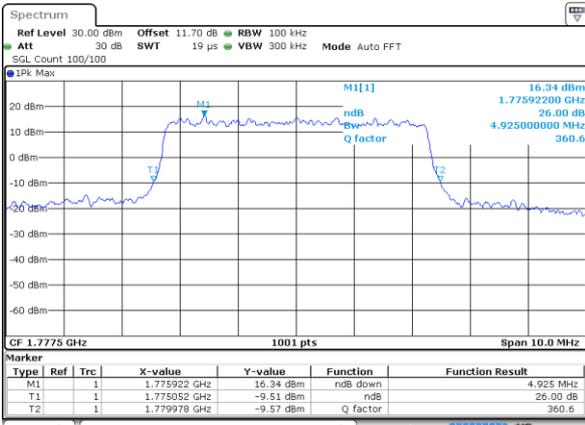
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Middle Channel / 5MHz / 16QAM



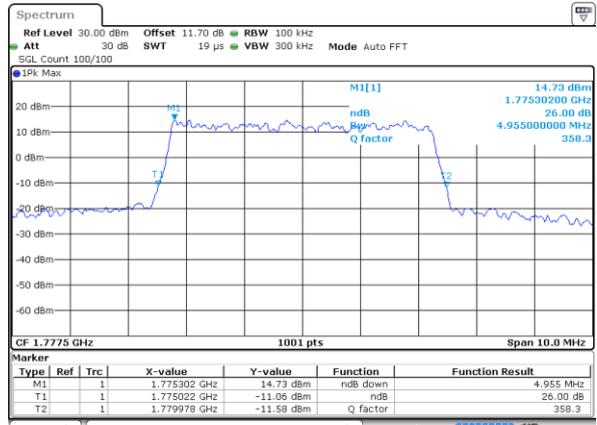
Date: 7 SEP 2017 00:37:47

Highest Channel / 5MHz / QPSK



Date: 7 SEP 2017 00:40:06

Highest Channel / 5MHz / 16QAM

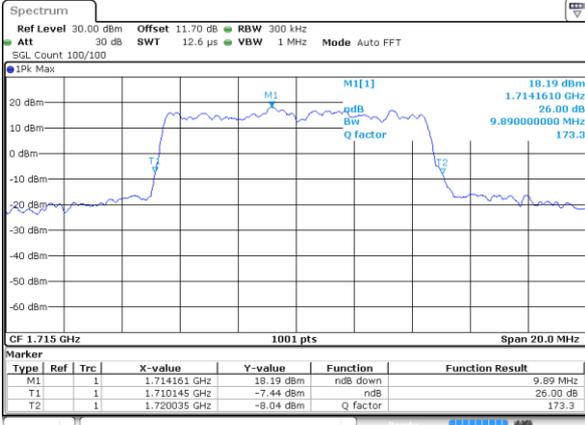


Date: 7 SEP 2017 00:40:16



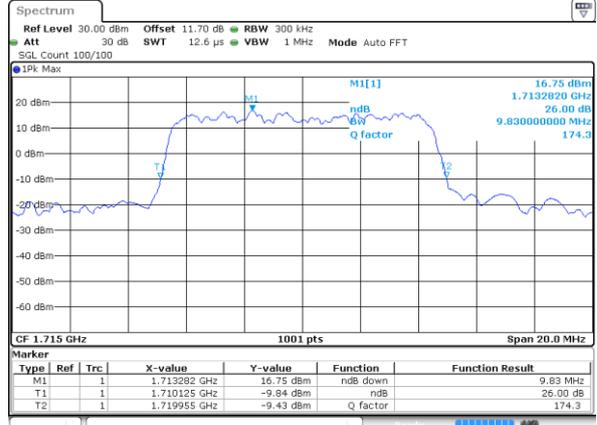
LTE Band 66

Lowest Channel / 10MHz / QPSK



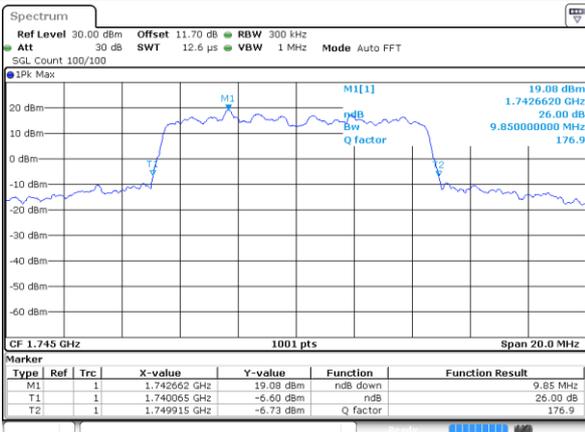
Date: 7 SEP 2017 00:47:10

Lowest Channel / 10MHz / 16QAM



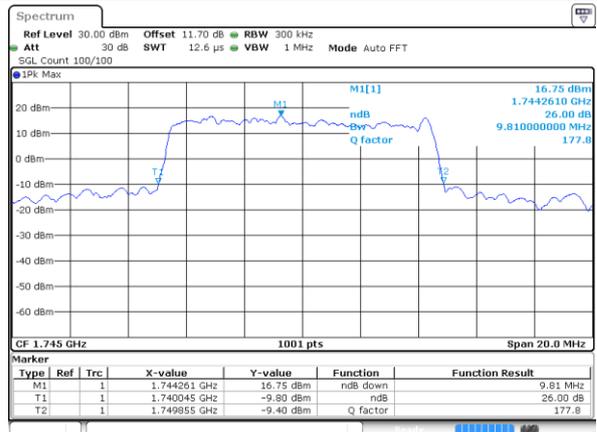
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Middle Channel / 10MHz / QPSK



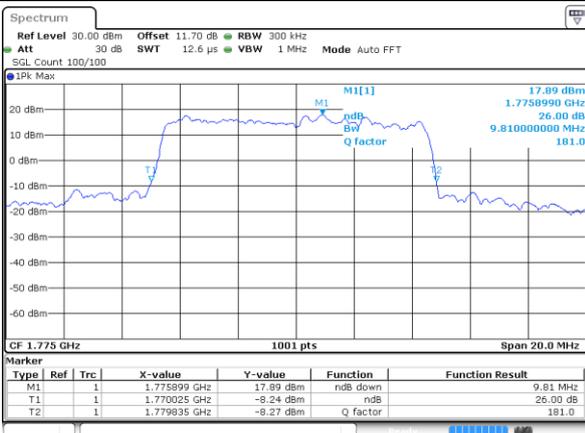
Date: 7 SEP 2017 00:54:14

Middle Channel / 10MHz / 16QAM



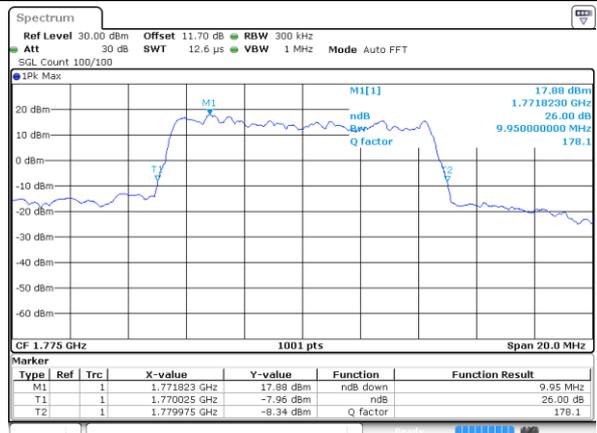
Date: 7 SEP 2017 00:54:24

Highest Channel / 10MHz / QPSK



Date: 7 SEP 2017 00:56:43

Highest Channel / 10MHz / 16QAM

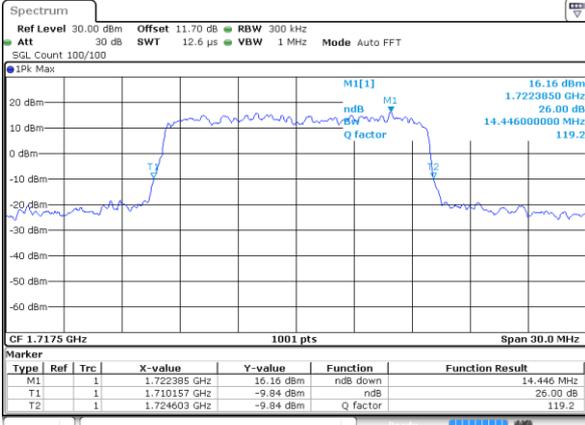


Date: 7 SEP 2017 00:56:53



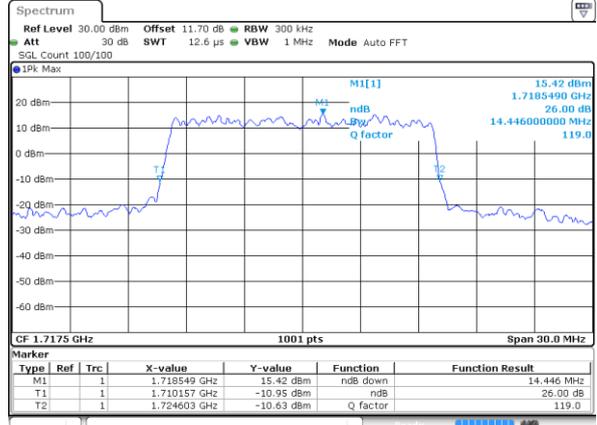
LTE Band 66

Lowest Channel / 15MHz / QPSK



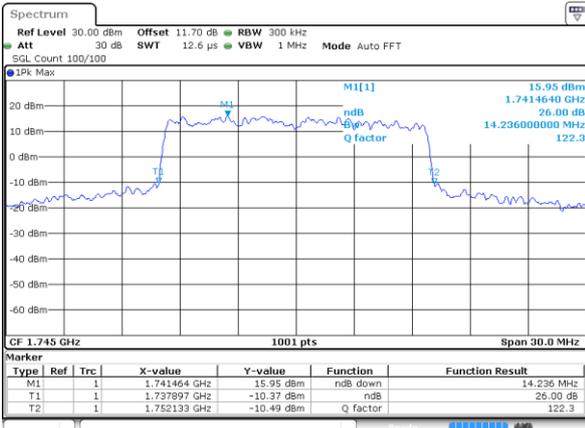
Date: 7 SEP 2017 01:03:46

Lowest Channel / 15MHz / 16QAM



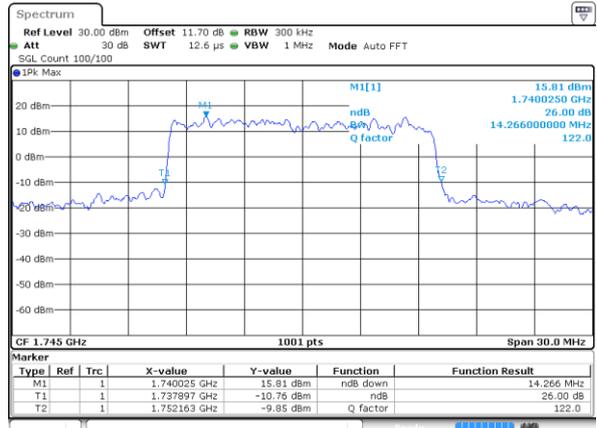
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Middle Channel / 15MHz / QPSK



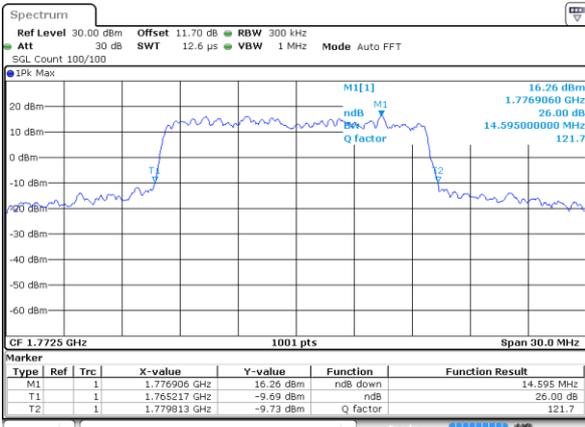
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Middle Channel / 15MHz / 16QAM



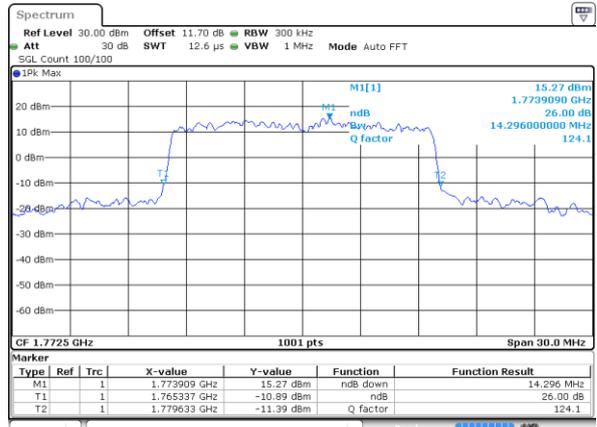
Date: 7 SEP 2017 01:11:00

Highest Channel / 15MHz / QPSK



Date: 7 SEP 2017 01:43:35

Highest Channel / 15MHz / 16QAM

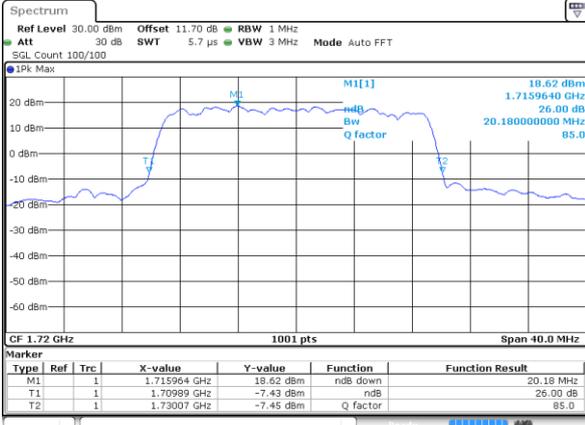


Date: 7 SEP 2017 01:43:45



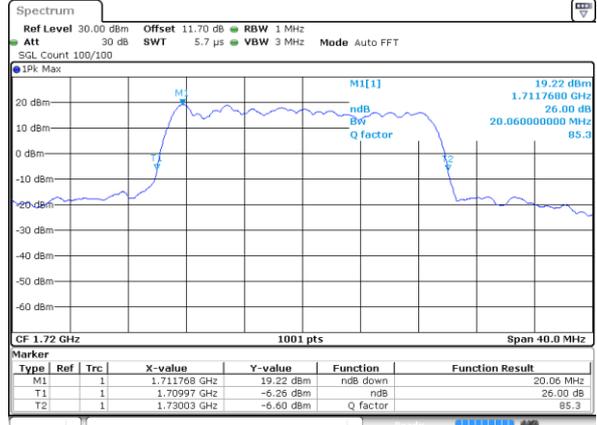
LTE Band 66

Lowest Channel / 20MHz / QPSK



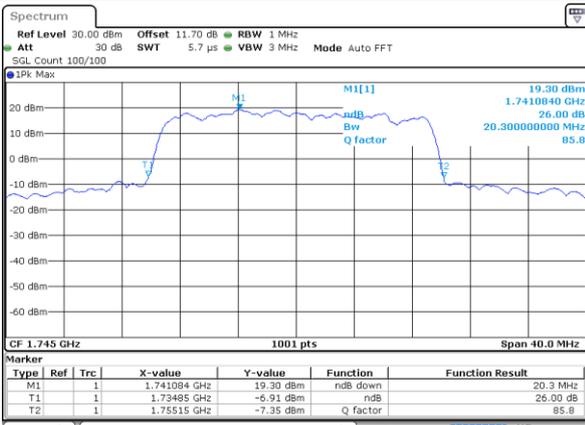
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Lowest Channel / 20MHz / 16QAM



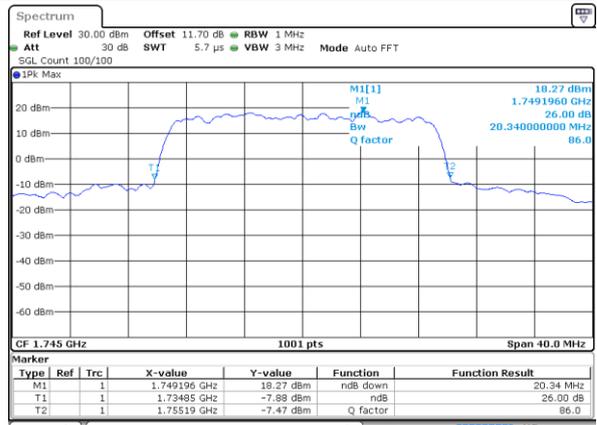
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Middle Channel / 20MHz / QPSK



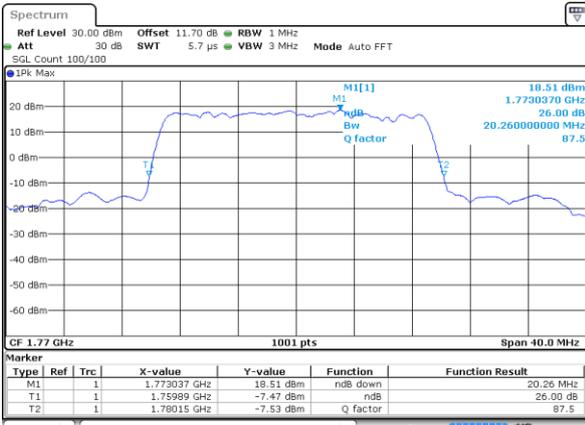
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Middle Channel / 20MHz / 16QAM



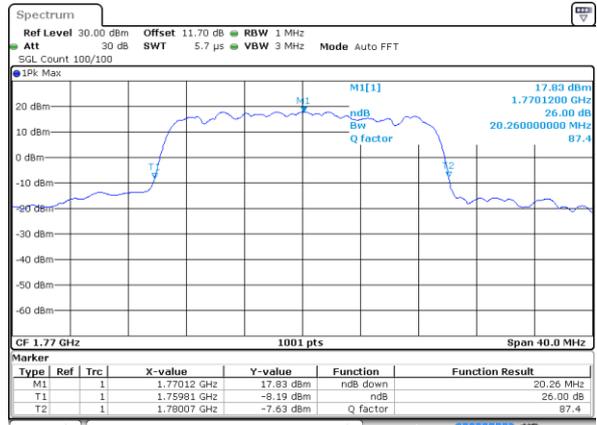
Date: 7 SEP 2017 09:21:42

Highest Channel / 20MHz / QPSK



Date: 7 SEP 2017 09:24:01

Highest Channel / 20MHz / 16QAM

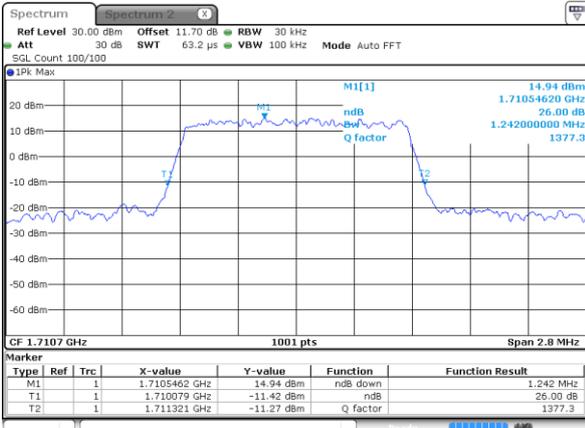


Date: 7 SEP 2017 09:24:11



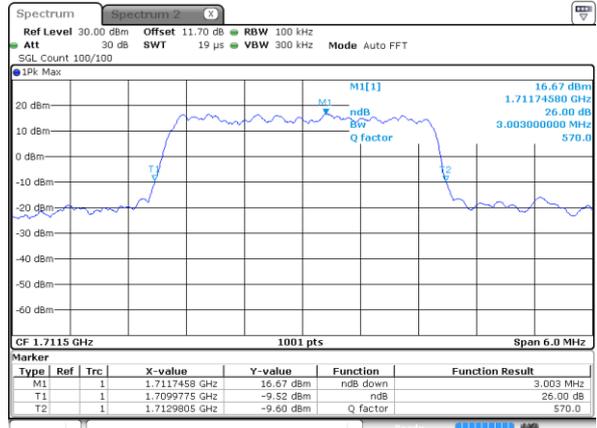
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



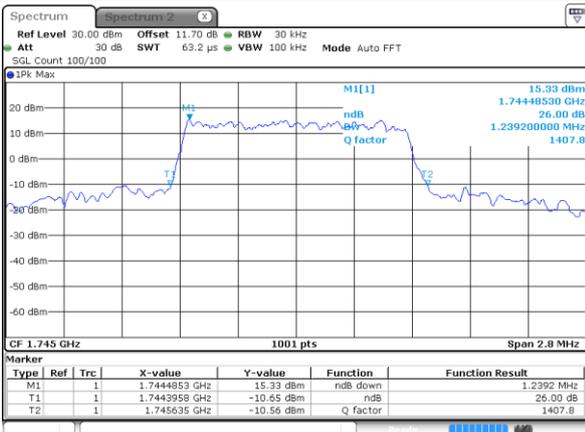
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Lowest Channel / 3MHz / 64QAM



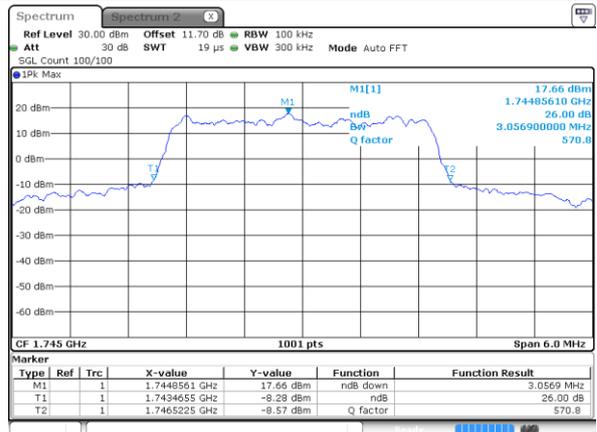
Date: 27.OCT.2017 17:43:41

Middle Channel / 20MHz / 64QAM



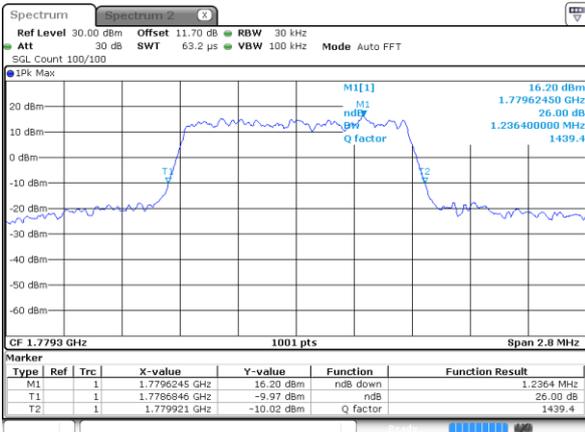
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Middle Channel / 3MHz / 64QAM



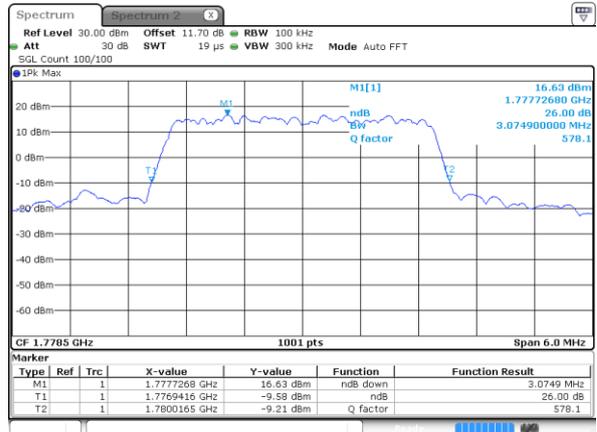
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Highest Channel / 20MHz / 64QAM



Date: 27.OCT.2017 18:42:02

Highest Channel / 3MHz / 64QAM

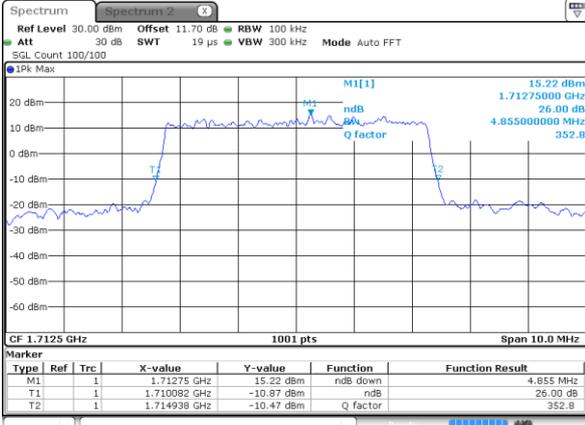


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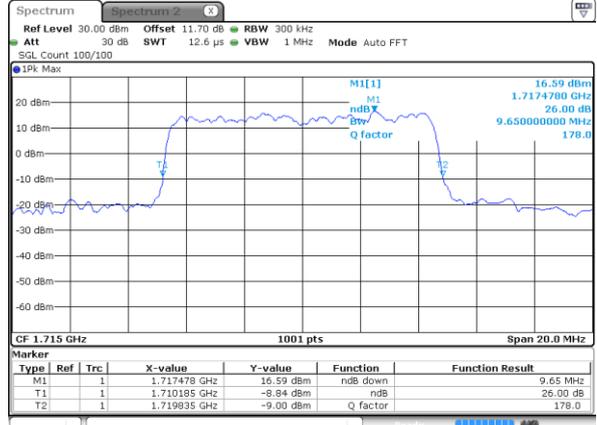
LTE Band 66

Lowest Channel / 5MHz / 64QAM



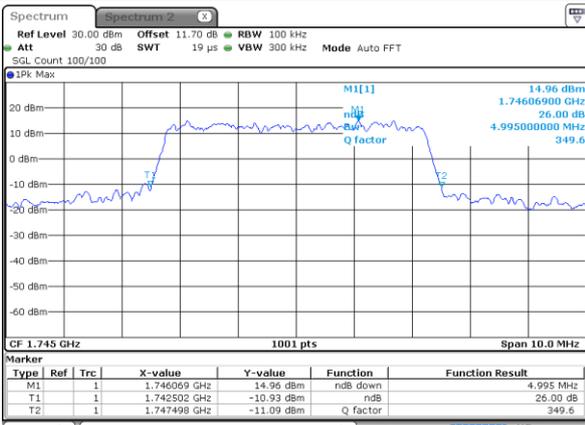
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Lowest Channel / 10MHz / 64QAM



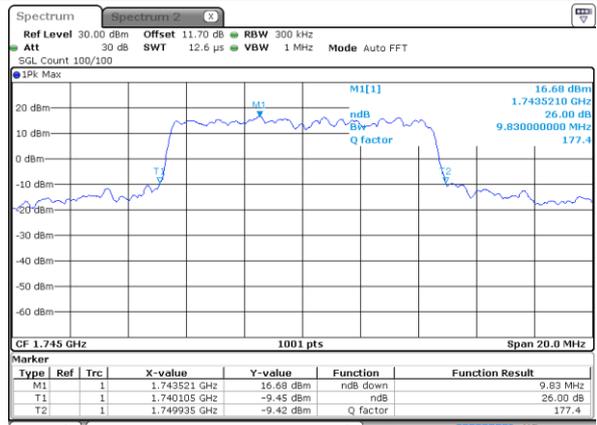
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Middle Channel / 5MHz / 64QAM



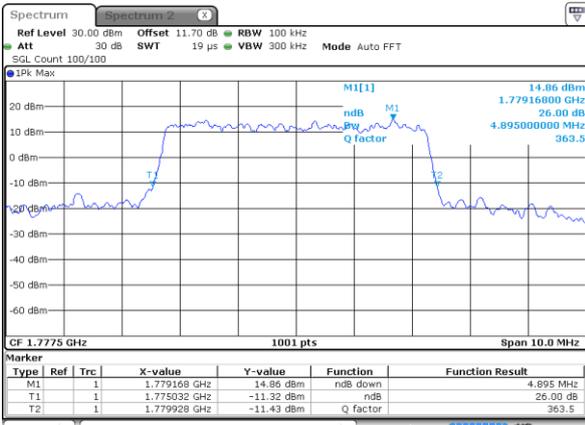
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Middle Channel / 10MHz / 64QAM



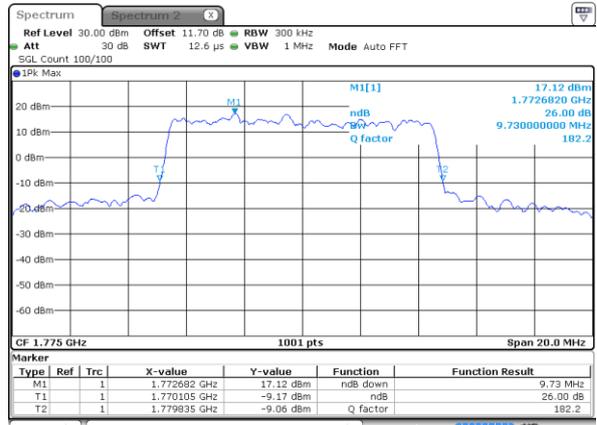
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Highest Channel / 5MHz / 64QAM



Date: 27.OCT.2017 17:56:46

Highest Channel / 10MHz / 64QAM

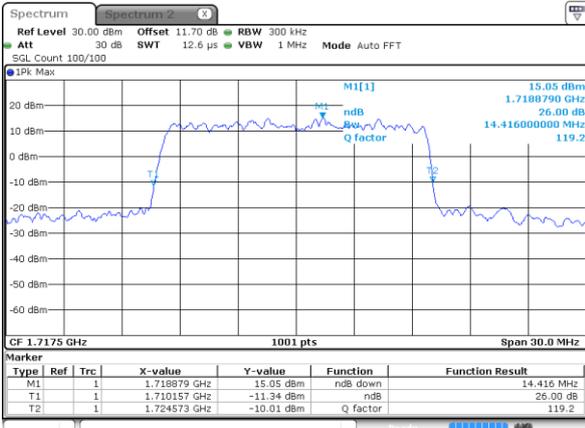


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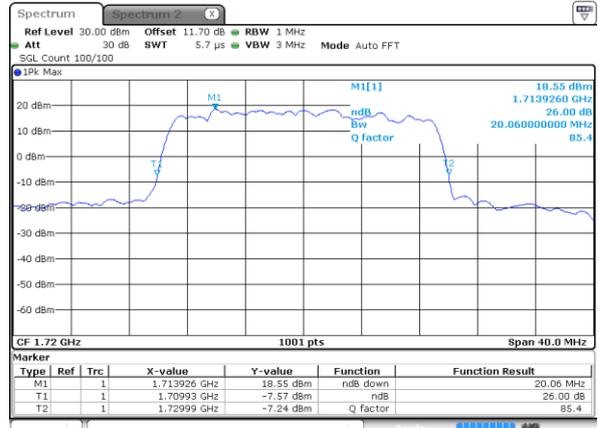
LTE Band 66

Lowest Channel / 15MHz / 64QAM



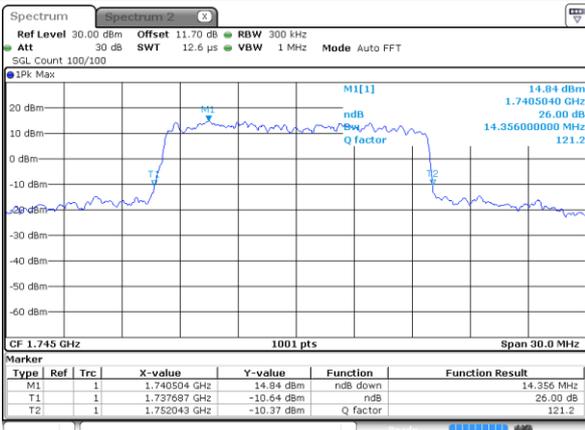
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Lowest Channel / 20MHz / 64QAM



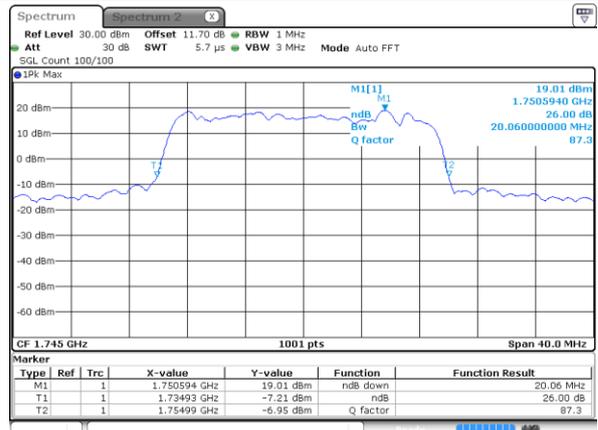
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Middle Channel / 15MHz / 64QAM



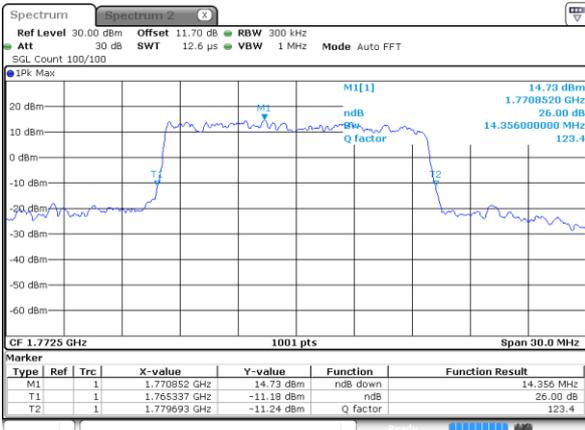
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Middle Channel / 20MHz / 64QAM



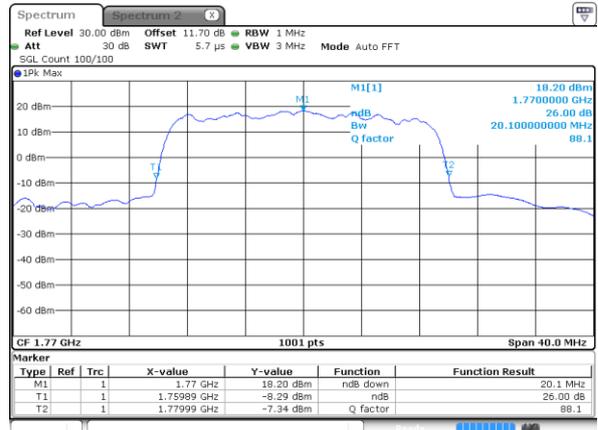
Date: 27.OCT.2017 18:20:27

Highest Channel / 15MHz / 64QAM



Date: 27.OCT.2017 18:13:23

Highest Channel / 20MHz / 64QAM



Date: 27.OCT.2017 18:21:42



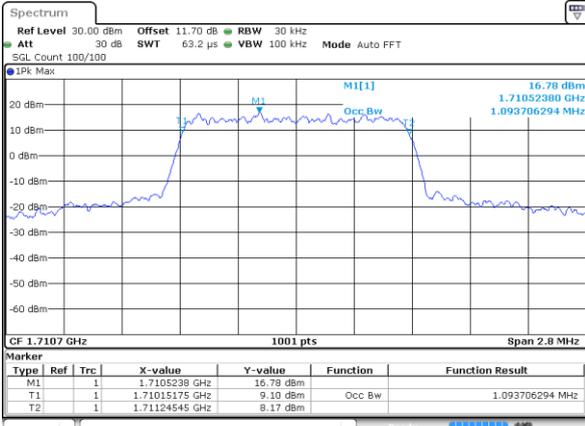
Occupied Bandwidth

Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.72	2.71	4.5	4.49	8.99	9.01	13.46	13.43	18.34	18.3
Middle CH	1.09	1.1	2.75	2.71	4.5	4.5	9.11	9.07	13.49	13.46	18.38	18.3
Highest CH	1.09	1.1	2.73	2.74	4.49	4.49	9.01	9.01	13.52	13.4	18.22	18.18
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.75	-	4.49	-	9.05	-	13.46	-	18.50	-
Middle CH	1.09	-	2.75	-	4.49	-	8.95	-	13.4	-	18.47	-
Highest CH	1.09	-	2.74	-	4.51	-	8.99	-	13.4	-	18.18	-



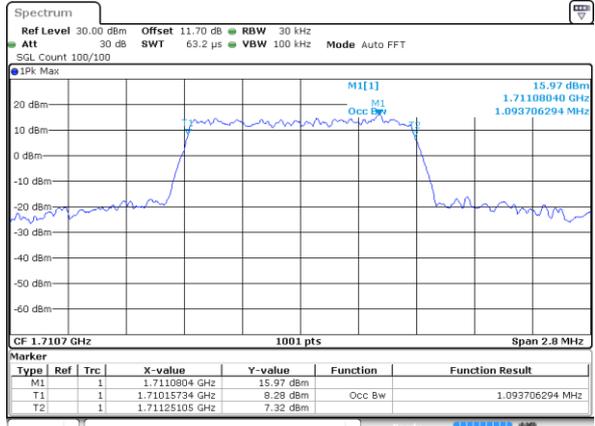
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



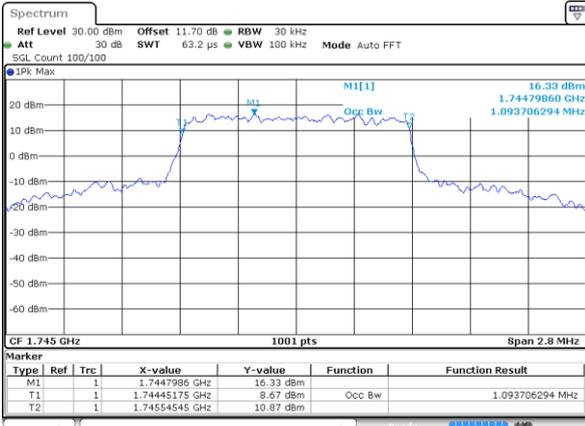
Date: 7 SEP 2017 09:30:45

Lowest Channel / 1.4MHz / 16QAM



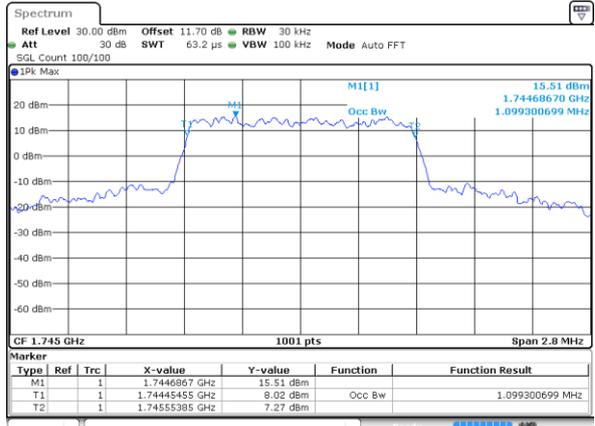
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Middle Channel / 1.4MHz / QPSK



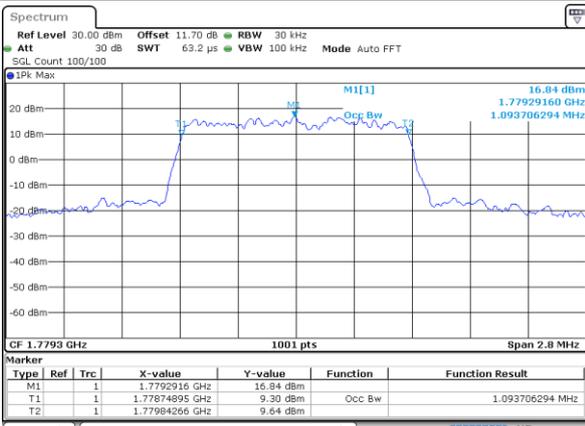
Date: 7 SEP 2017 09:37:49

Middle Channel / 1.4MHz / 16QAM



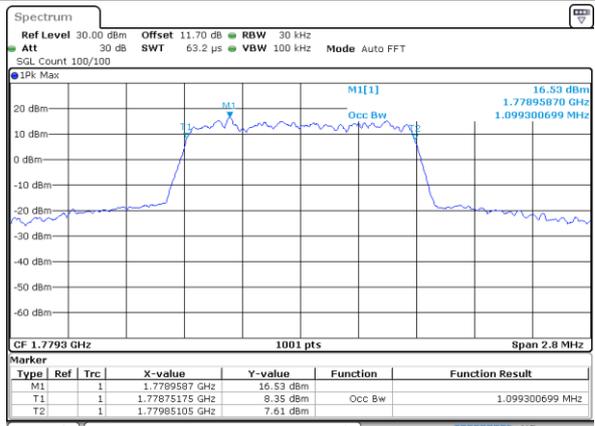
Date: 7 SEP 2017 09:38:00

Highest Channel / 1.4MHz / QPSK



Date: 7 SEP 2017 09:40:19

Highest Channel / 1.4MHz / 16QAM

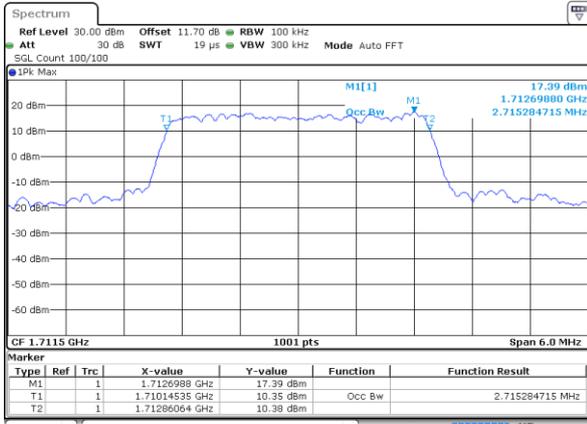


Date: 7 SEP 2017 09:40:29



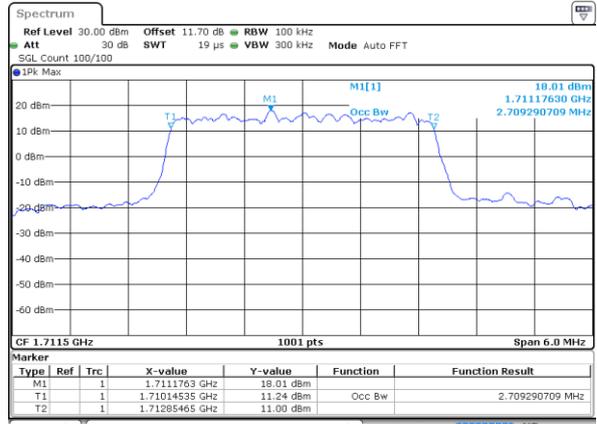
LTE Band 66

Lowest Channel / 3MHz / QPSK



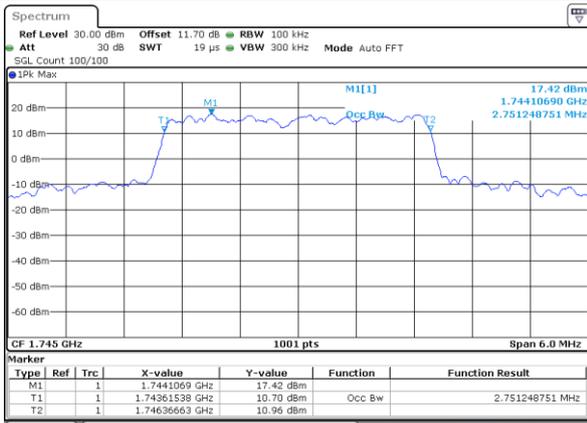
Date: 7 SEP 2017 00:13:35

Lowest Channel / 3MHz / 16QAM



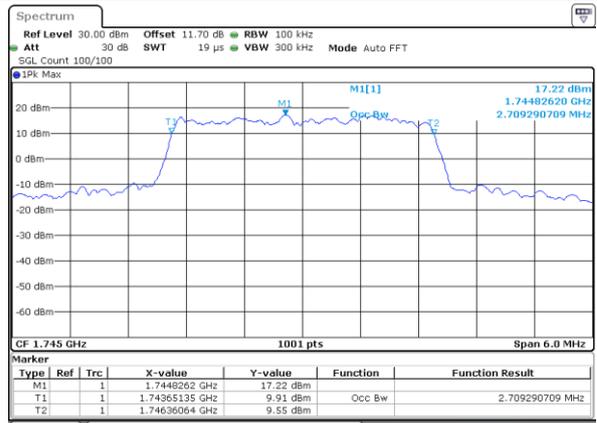
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Middle Channel / 3MHz / QPSK



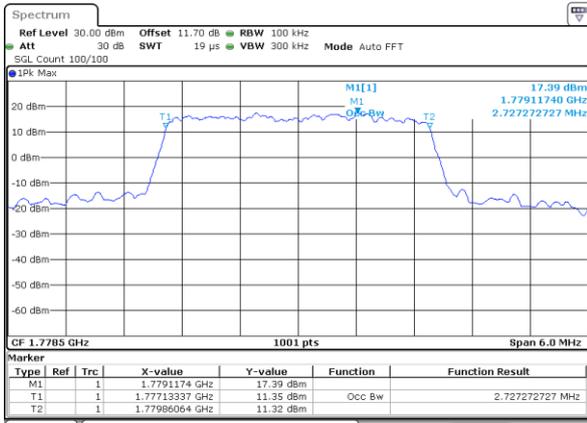
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Middle Channel / 3MHz / 16QAM



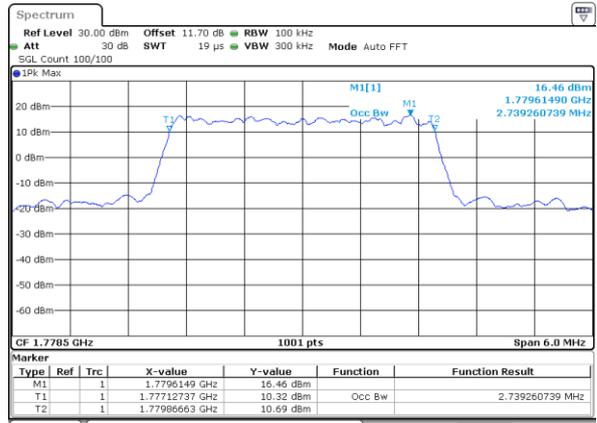
Date: 7 SEP 2017 00:20:49

Highest Channel / 3MHz / QPSK



Date: 7 SEP 2017 00:23:09

Highest Channel / 3MHz / 16QAM

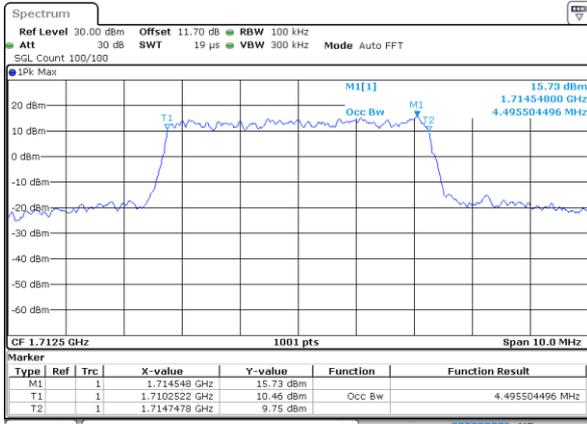


Date: 7 SEP 2017 00:23:19



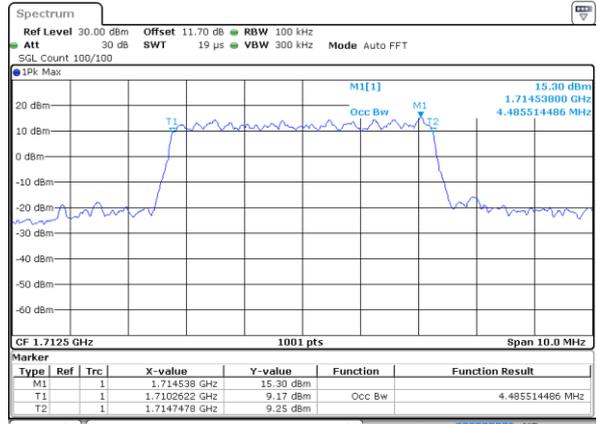
LTE Band 66

Lowest Channel / 5MHz / QPSK



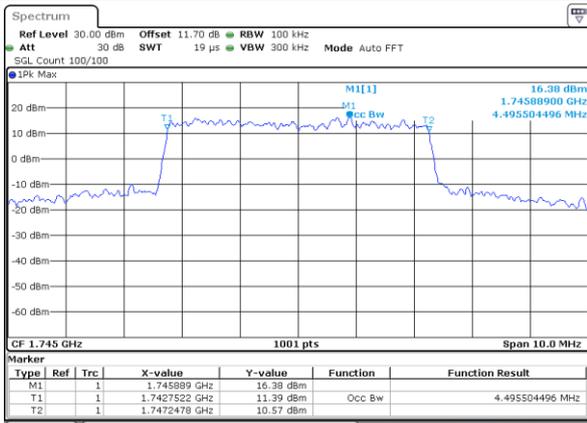
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Lowest Channel / 5MHz / 16QAM



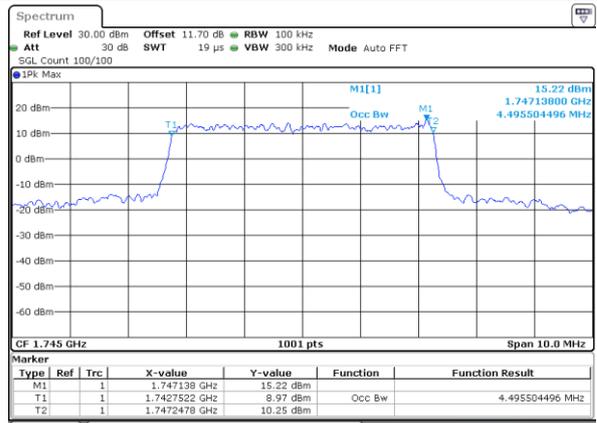
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Middle Channel / 5MHz / QPSK



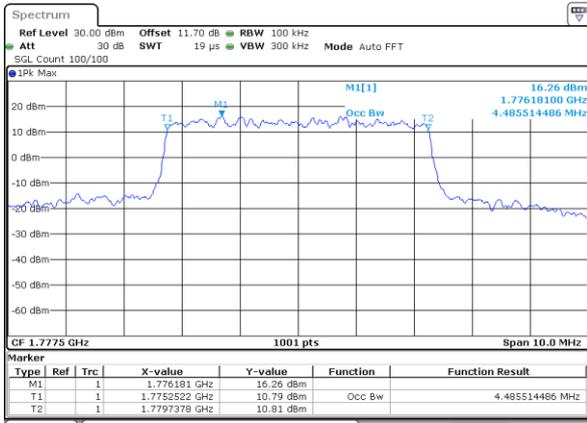
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Middle Channel / 5MHz / 16QAM



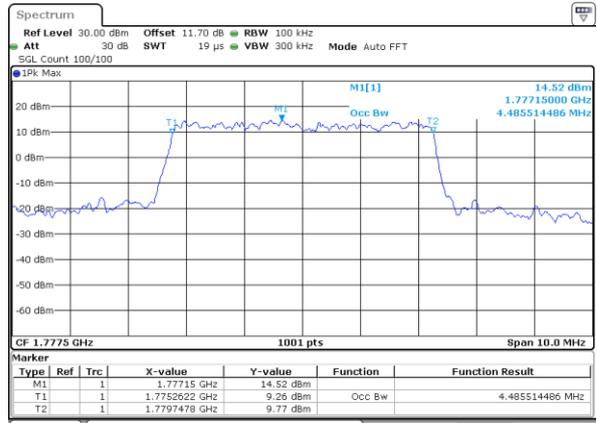
Date: 7 SEP 2017 00:37:27

Highest Channel / 5MHz / QPSK



Date: 7 SEP 2017 00:39:46

Highest Channel / 5MHz / 16QAM

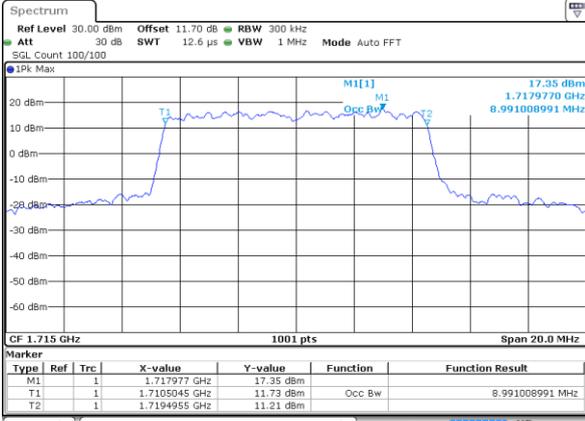


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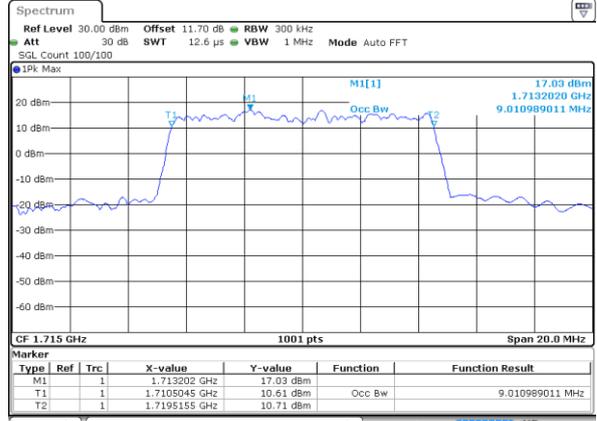
LTE Band 66

Lowest Channel / 10MHz / QPSK



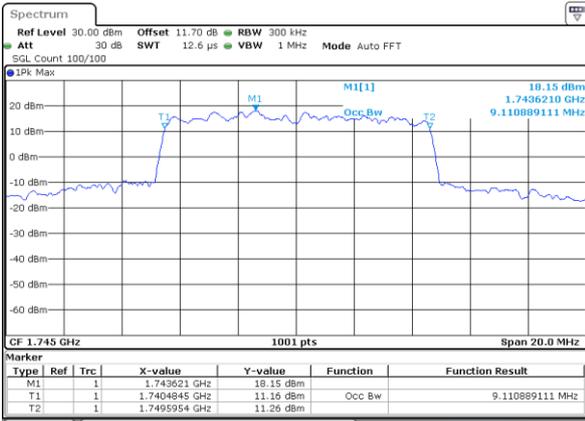
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Lowest Channel / 10MHz / 16QAM



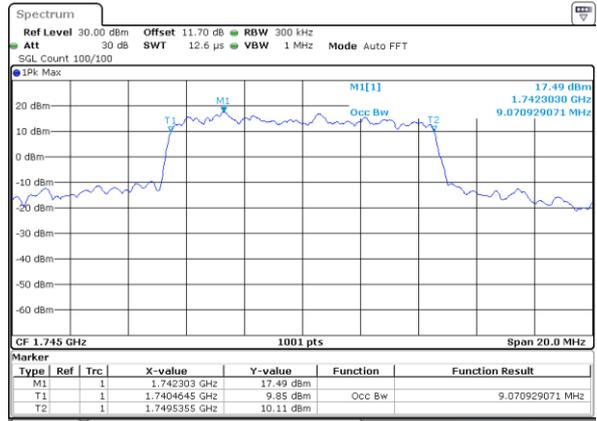
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Middle Channel / 10MHz / QPSK



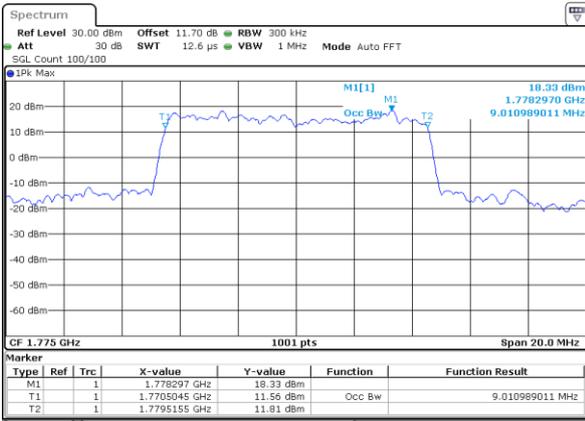
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Middle Channel / 10MHz / 16QAM



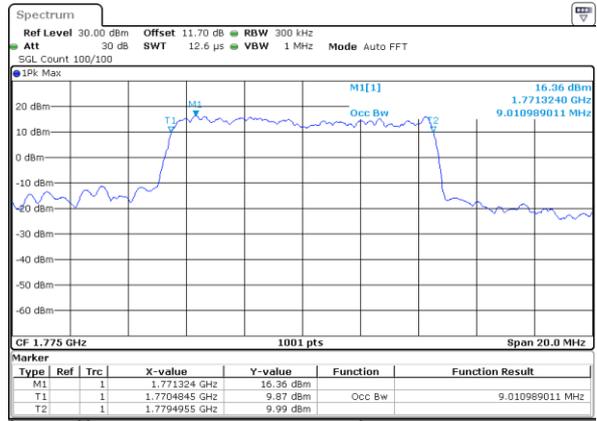
Date: 7 SEP 2017 00:54:04

Highest Channel / 10MHz / QPSK



Date: 7 SEP 2017 00:56:23

Highest Channel / 10MHz / 16QAM



Date: 7 SEP 2017 00:56:33