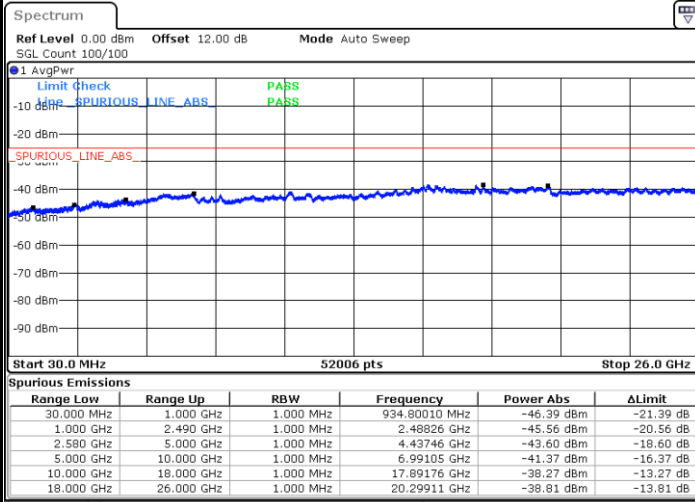




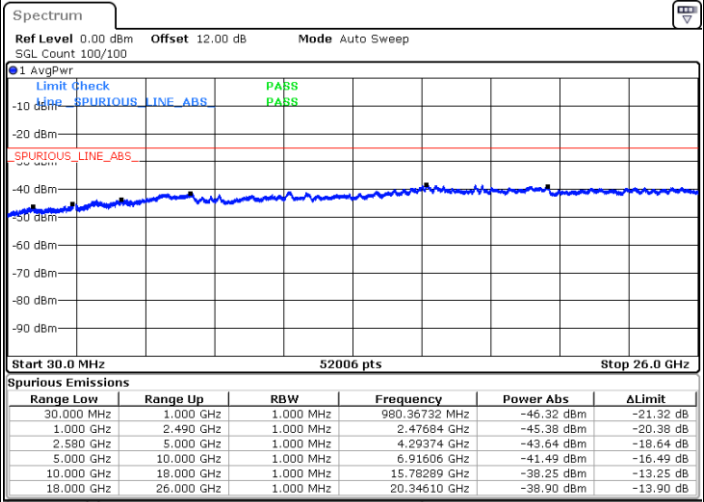
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 24.SEP.2020 16:10:20

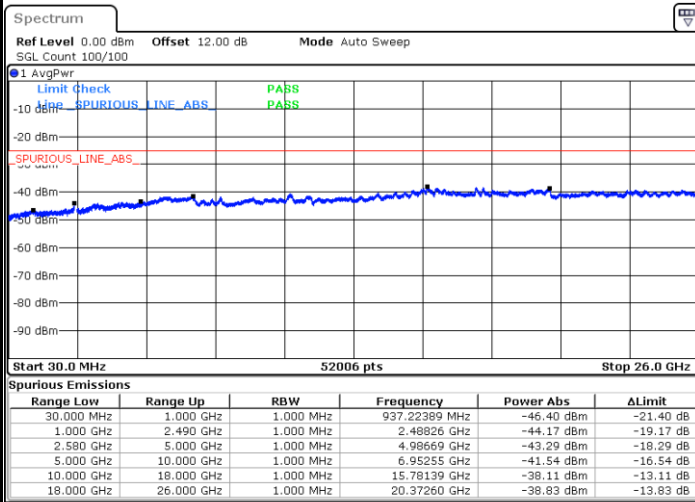
Highest Channel / 16QAM



Date: 24.SEP.2020 16:11:09

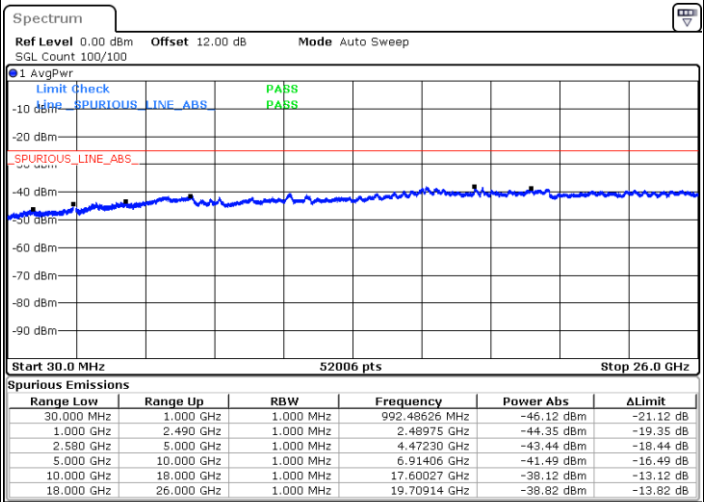
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 24.SEP.2020 16:18:50

Lowest Channel / 16QAM



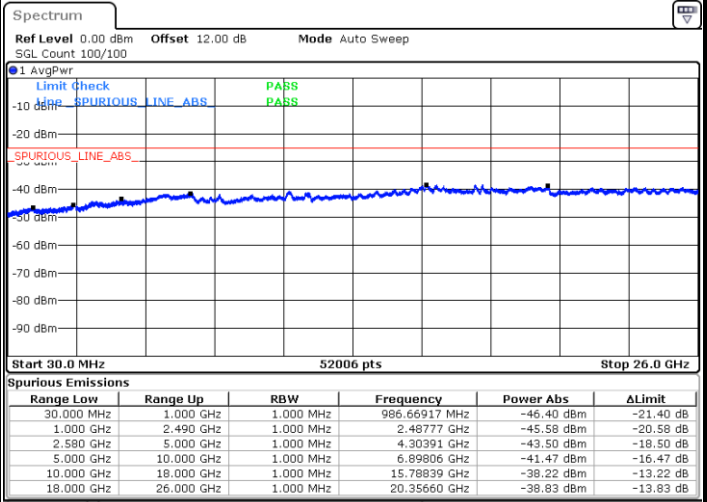
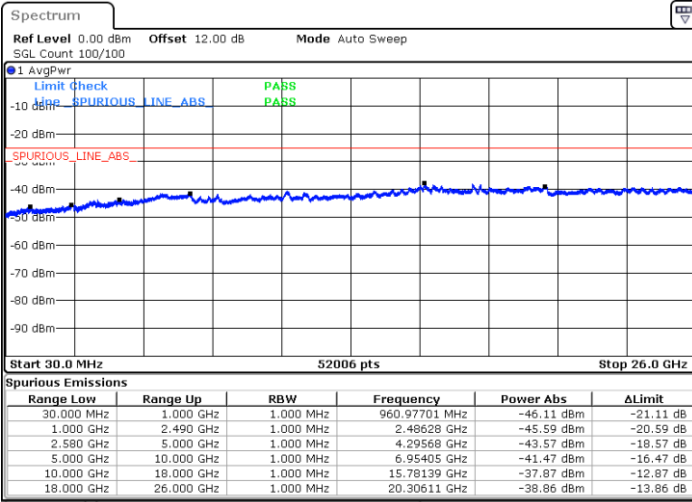
Date: 24.SEP.2020 16:19:39



LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

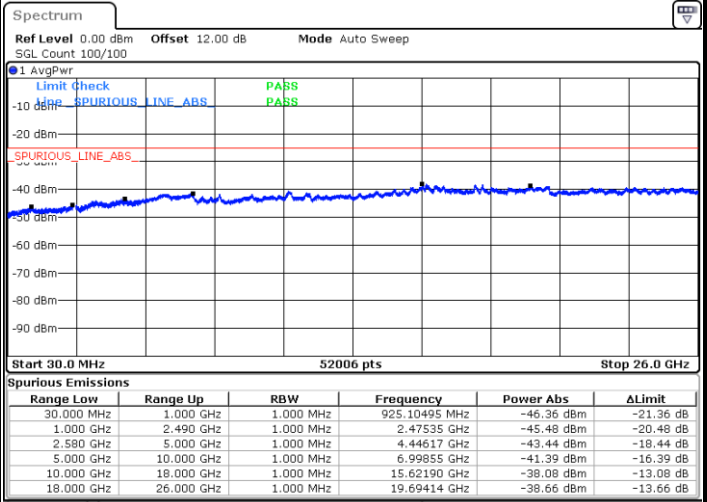
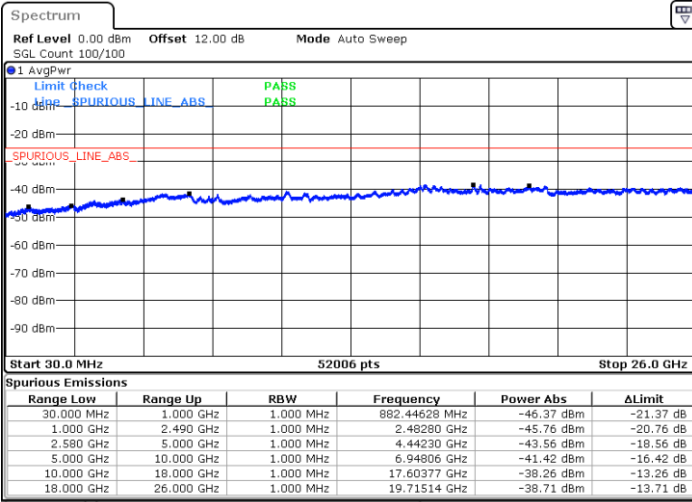


Date: 24.SEP.2020 16:21:13

Date: 24.SEP.2020 16:22:02

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 24.SEP.2020 16:24:51

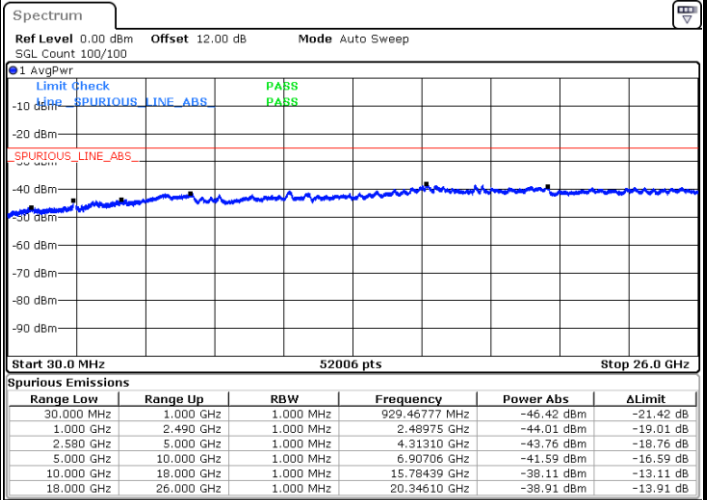
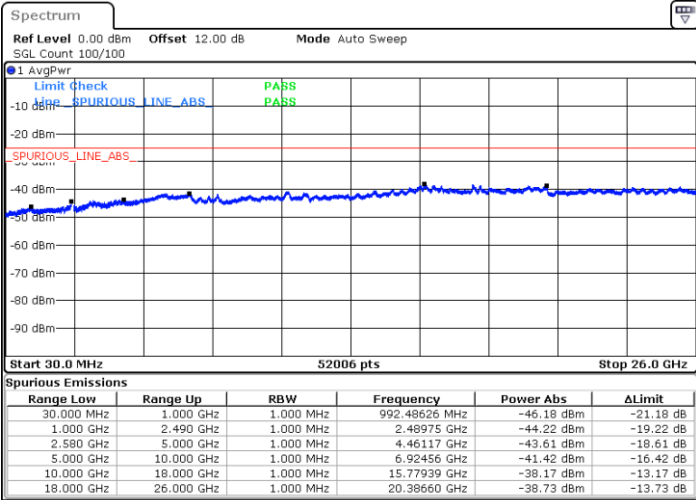
Date: 24.SEP.2020 16:25:41



LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

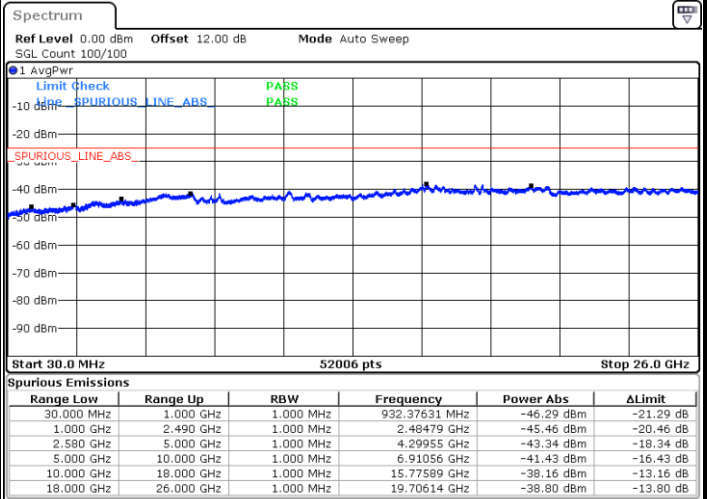
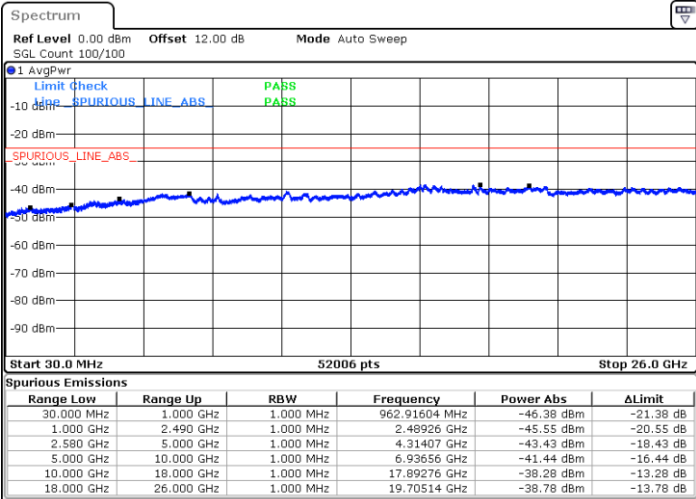


Date: 24.SEP.2020 16:33:23

Date: 24.SEP.2020 16:34:12

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 24.SEP.2020 16:35:46

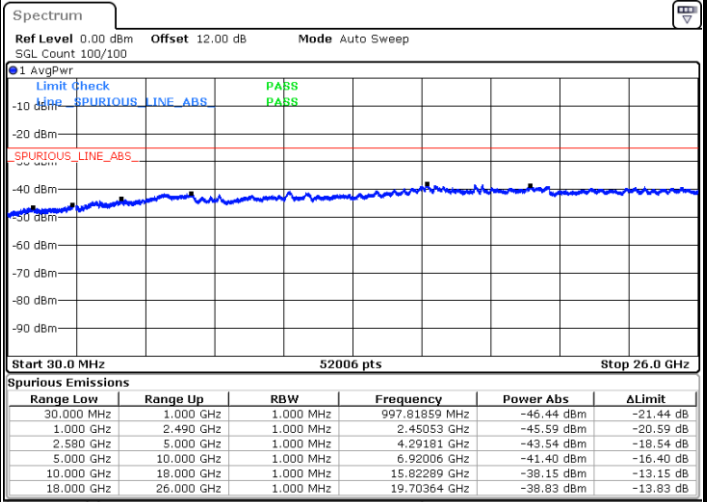
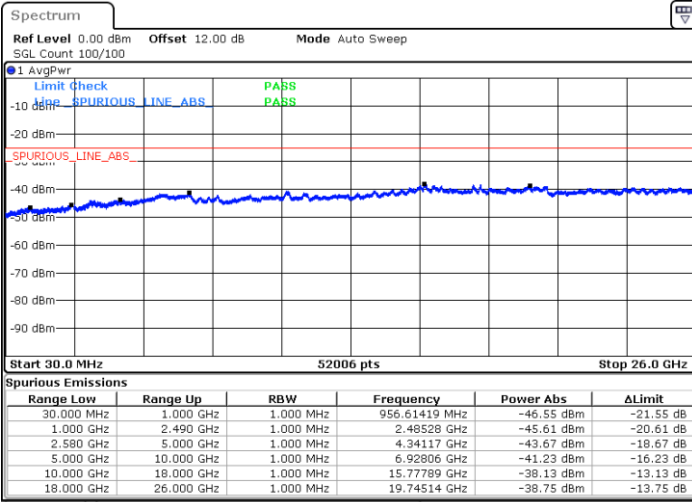
Date: 24.SEP.2020 16:36:35



LTE Band7 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



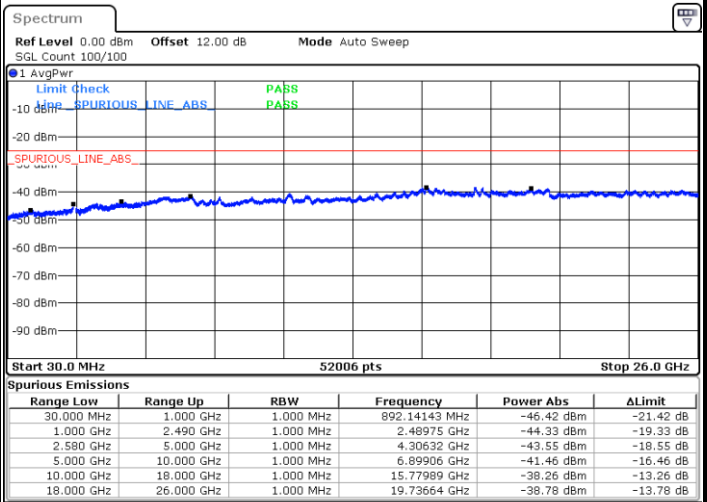
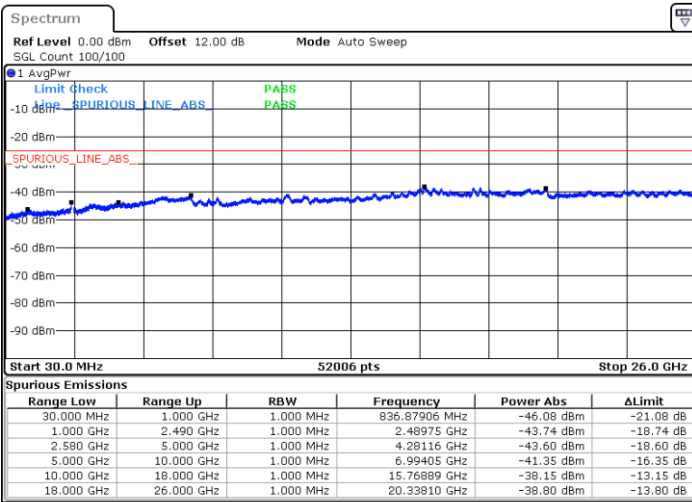
Date: 24.SEP.2020 16:39:24

Date: 24.SEP.2020 16:40:13

LTE Band 7 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 24.SEP.2020 16:47:55

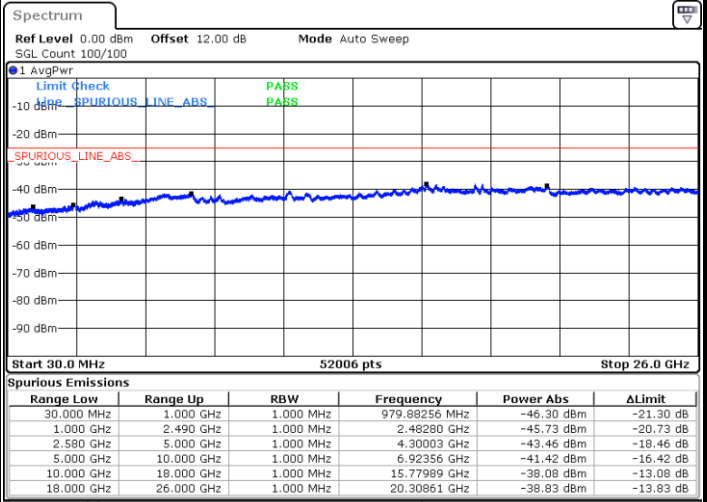
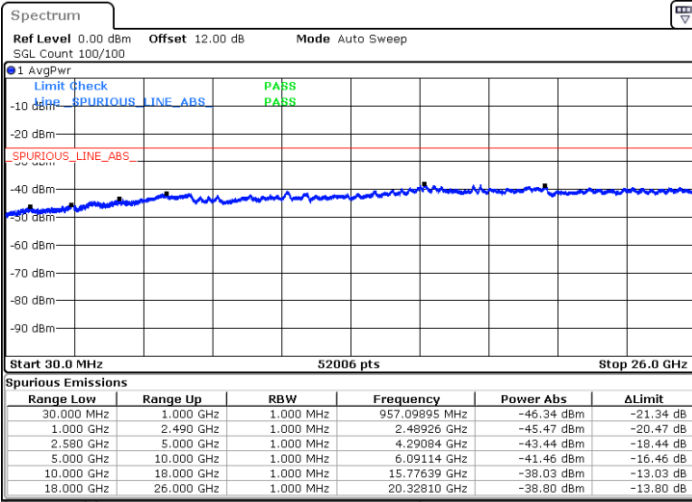
Date: 24.SEP.2020 16:48:44



LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

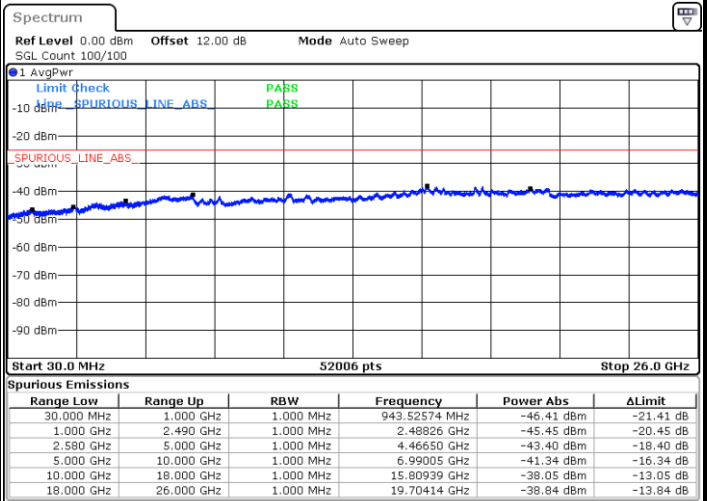
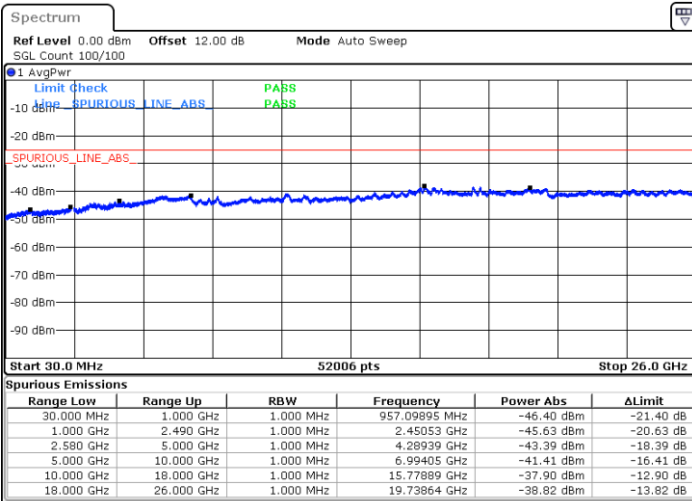


Date: 24.SEP.2020 16:50:19

Date: 24.SEP.2020 16:51:07

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 24.SEP.2020 16:53:57

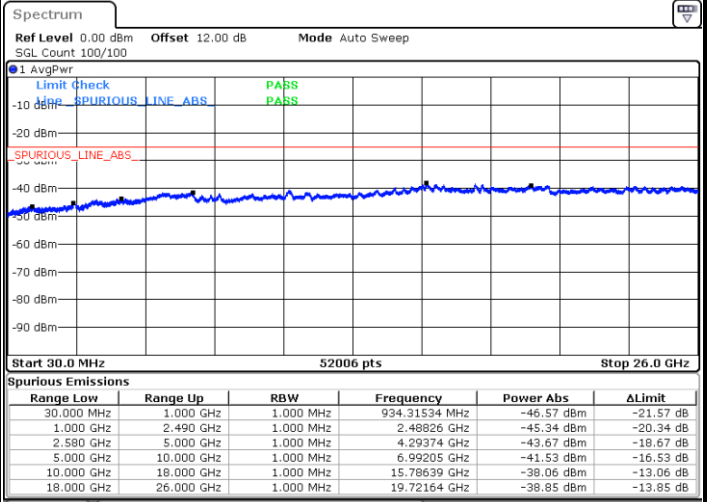
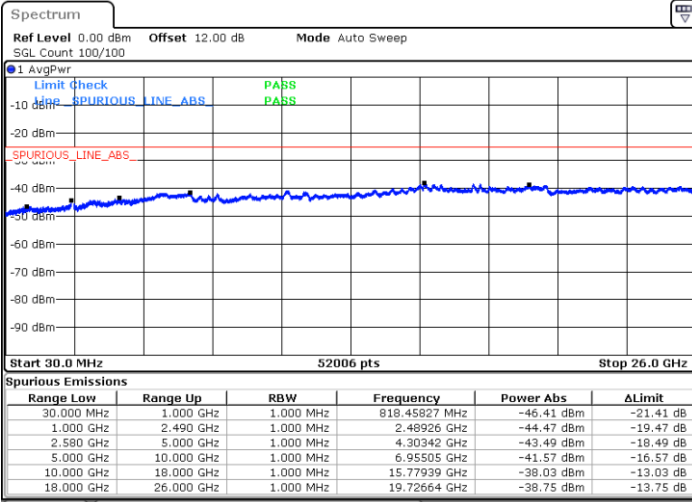
Date: 24.SEP.2020 16:54:46



LTE Band 7 / 5MHz

Lowest Channel / 64QAM

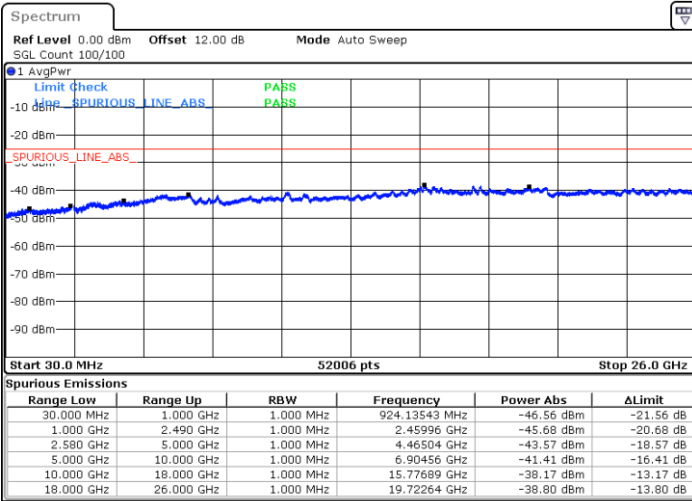
Middle Channel / 64QAM



Date: 24.SEP.2020 16:12:59

Date: 24.SEP.2020 16:14:11

Highest Channel / 64QAM



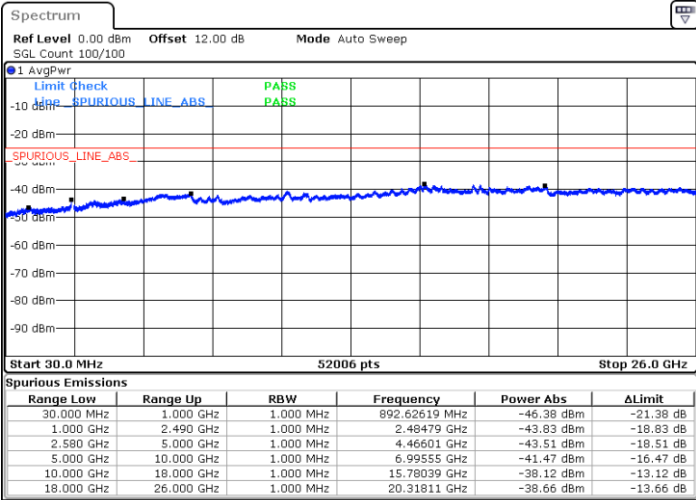
Date: 24.SEP.2020 16:16:00



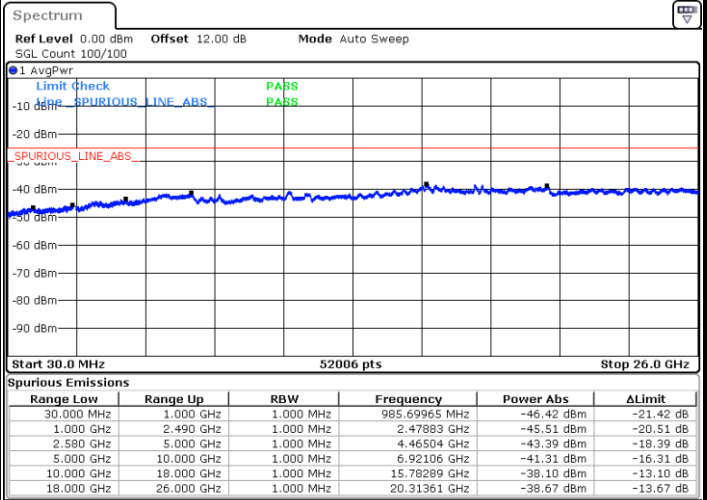
LTE Band 7 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

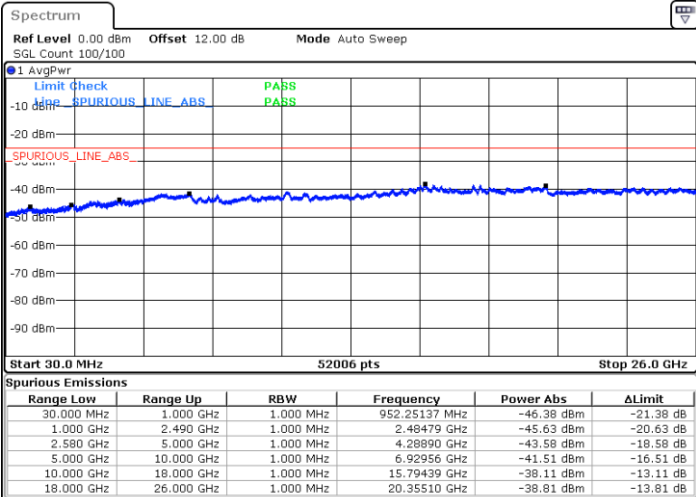


Date: 24.SEP.2020 16:27:30



Date: 24.SEP.2020 16:28:42

Highest Channel / 64QAM



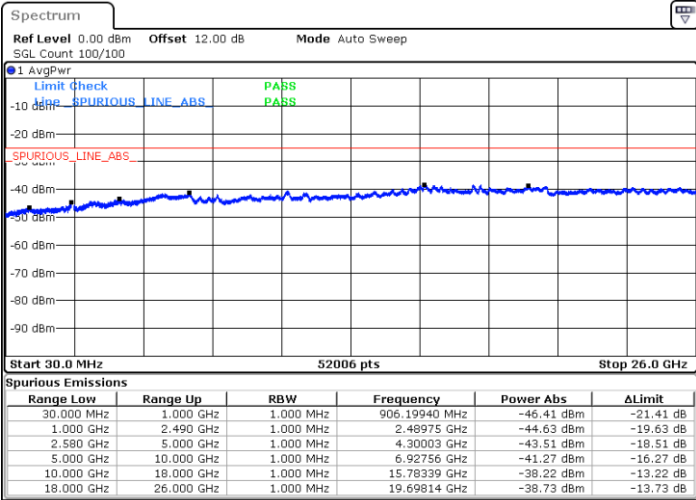
Date: 24.SEP.2020 16:30:31



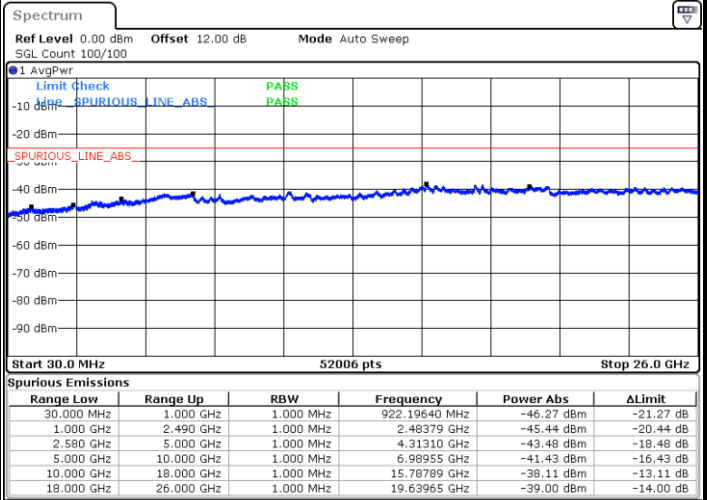
LTE Band 7 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

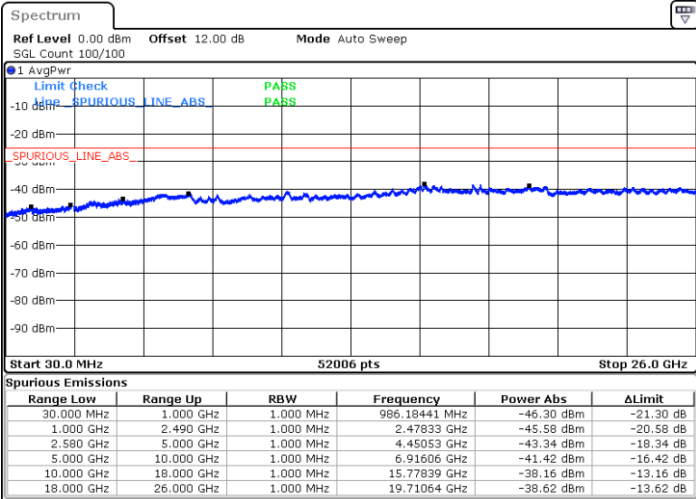


Date: 24.SEP.2020 16:42:04



Date: 24.SEP.2020 16:43:15

Highest Channel / 64QAM



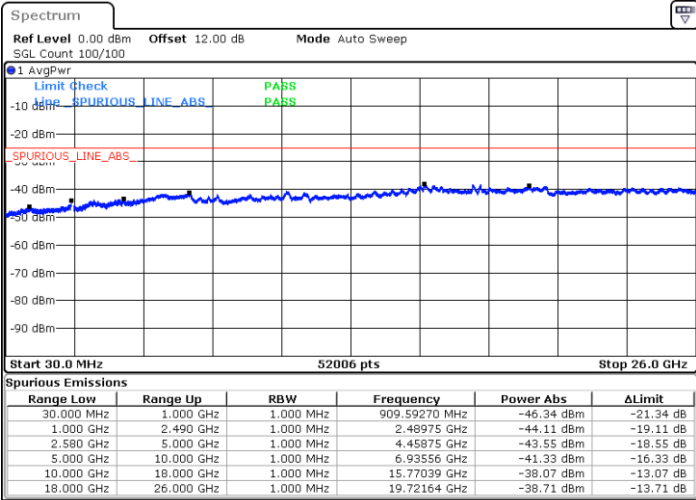
Date: 24.SEP.2020 16:45:04



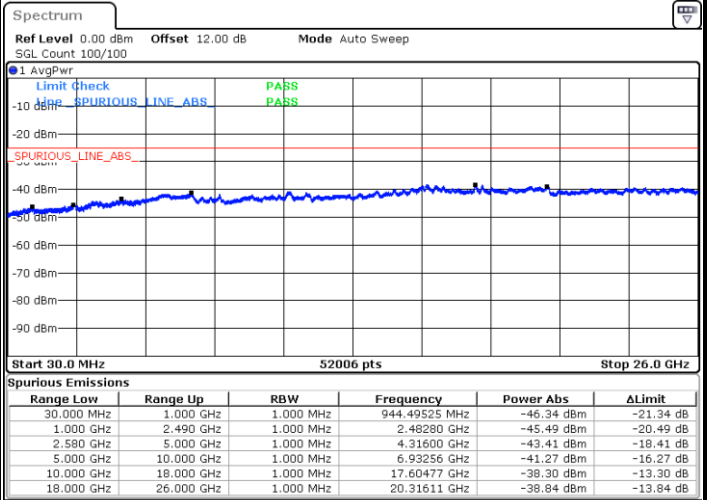
LTE Band 7 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

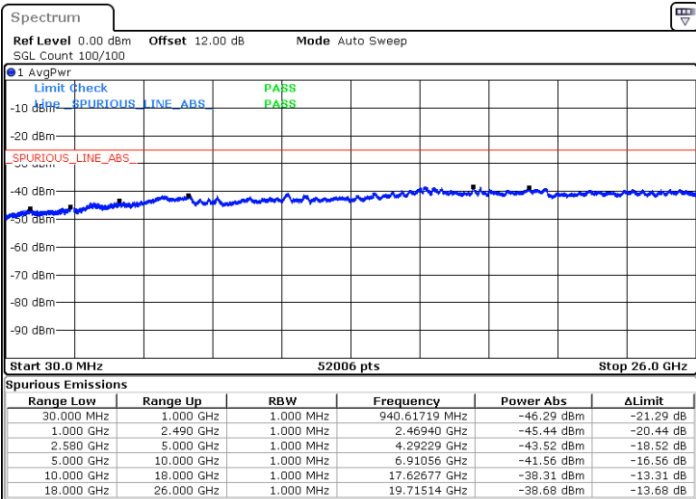


Date: 24.SEP.2020 16:56:36



Date: 24.SEP.2020 16:57:47

Highest Channel / 64QAM



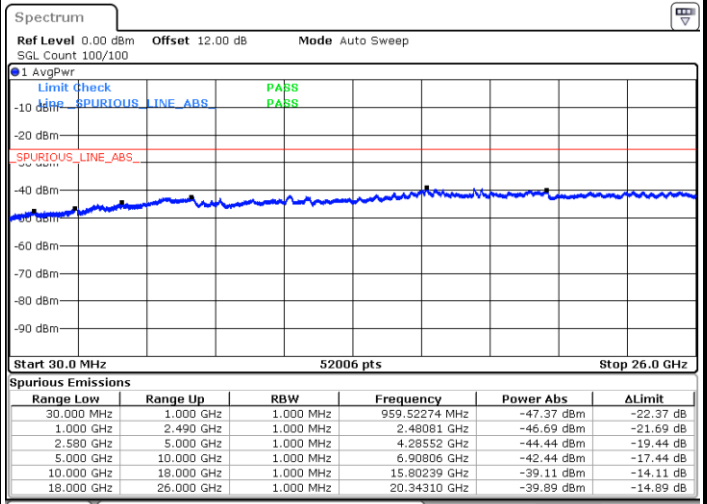
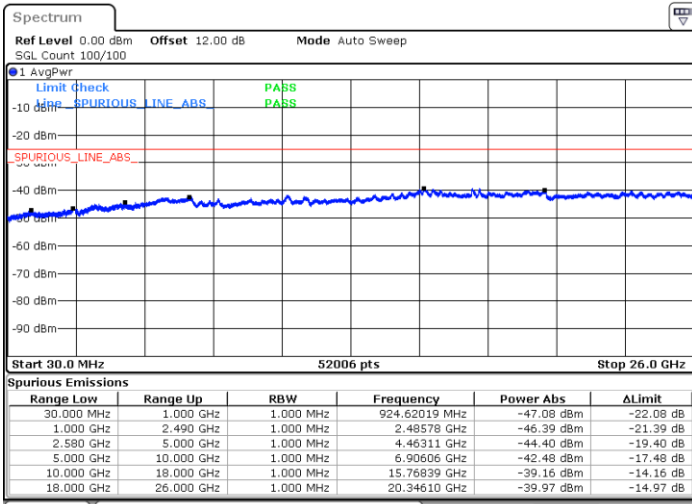
Date: 24.SEP.2020 16:59:36



LTE Band 7 / 5MHz

Lowest Channel / 256QAM

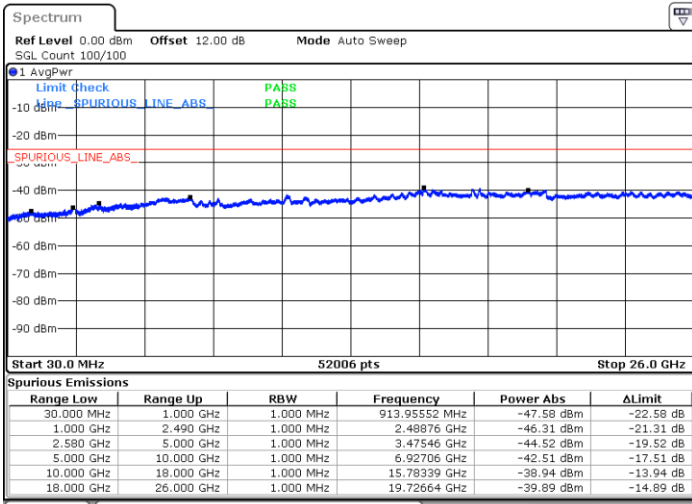
Middle Channel / 256QAM



Date: 28.SEP.2020 08:54:26

Date: 28.SEP.2020 08:52:28

Highest Channel / 256QAM



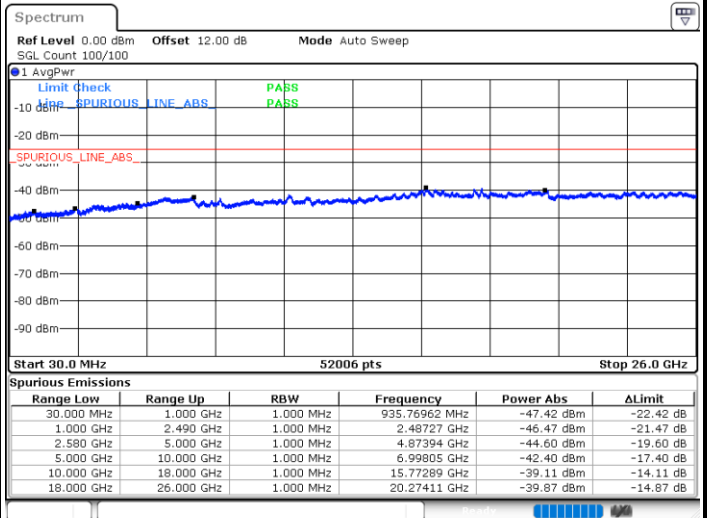
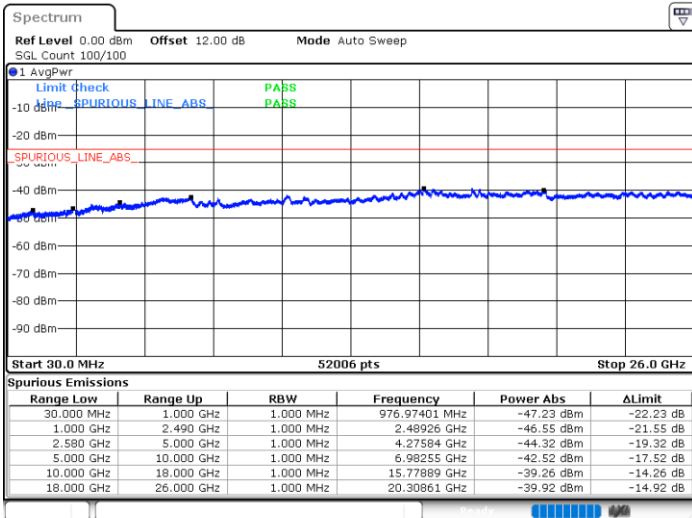
Date: 28.SEP.2020 08:56:17



LTE Band 7 / 10MHz

Lowest Channel / 256QAM

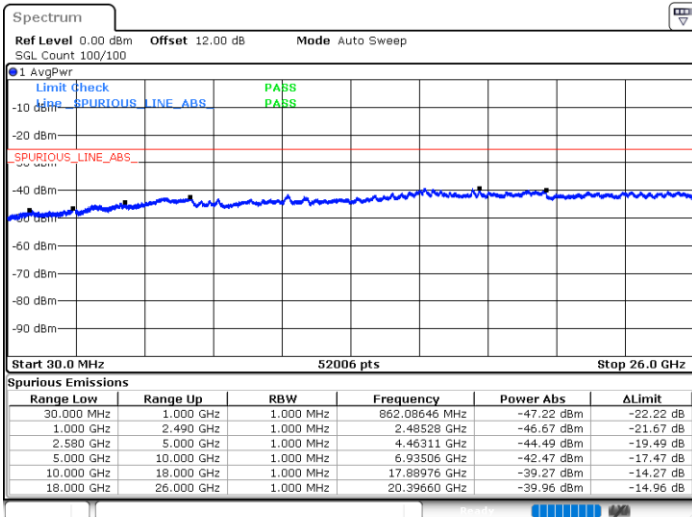
Middle Channel / 256QAM



Date: 28.SEP.2020 08:59:50

Date: 28.SEP.2020 08:58:04

Highest Channel / 256QAM



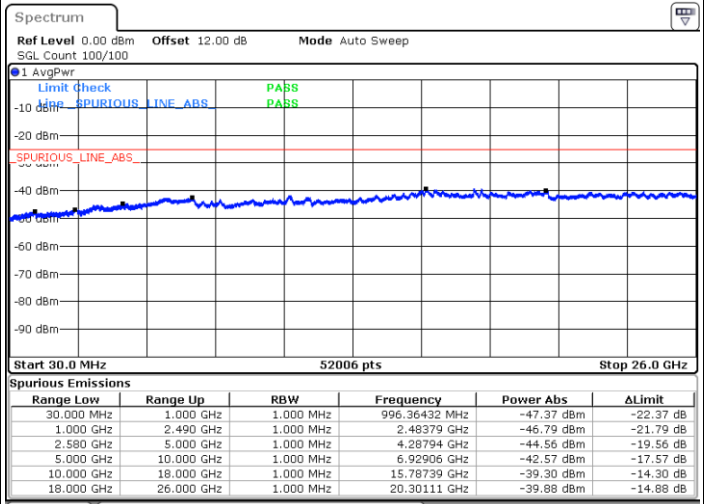
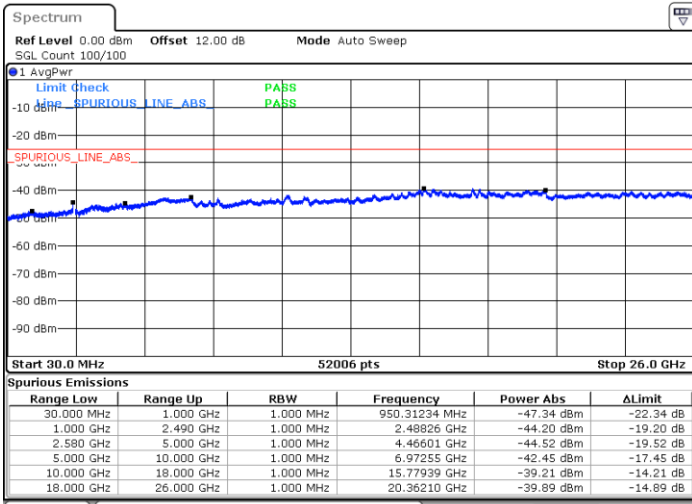
Date: 28.SEP.2020 09:01:30



LTE Band 7 / 15MHz

Lowest Channel / 256QAM

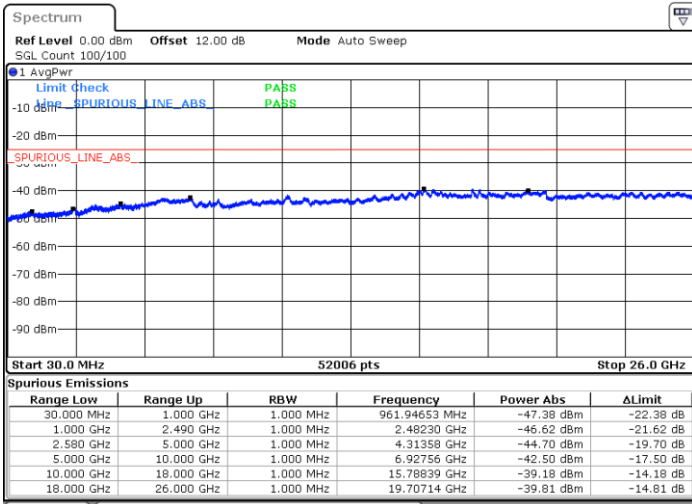
Middle Channel / 256QAM



Date: 28.SEP.2020 09:04:47

Date: 28.SEP.2020 09:03:07

Highest Channel / 256QAM



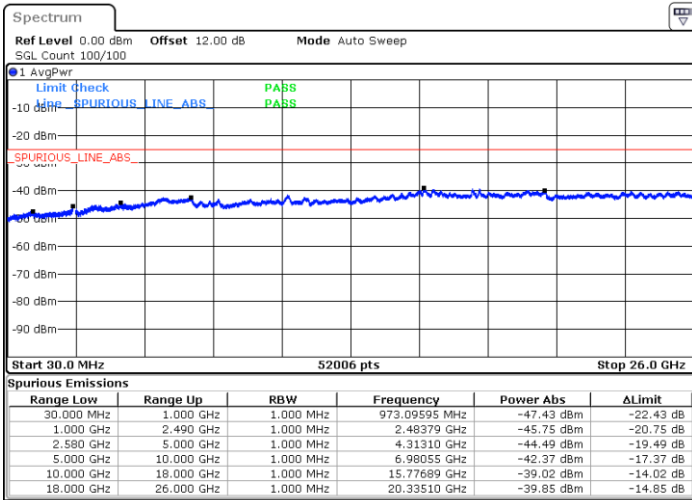
Date: 28.SEP.2020 09:06:32



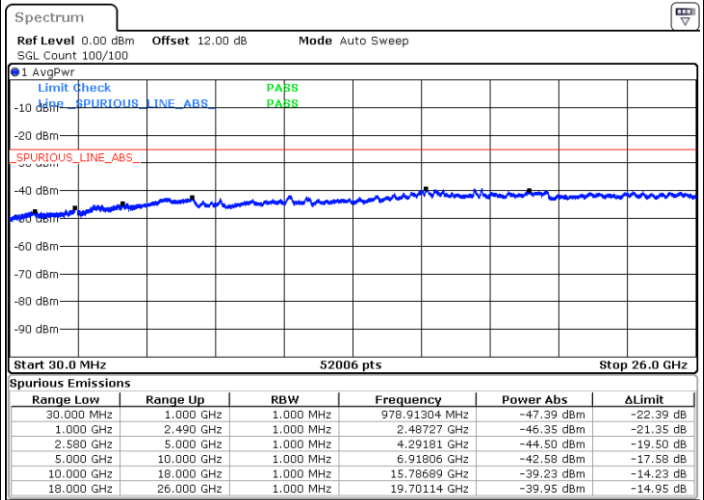
LTE Band 7 / 20MHz

Lowest Channel / 256QAM

Middle Channel / 256QAM

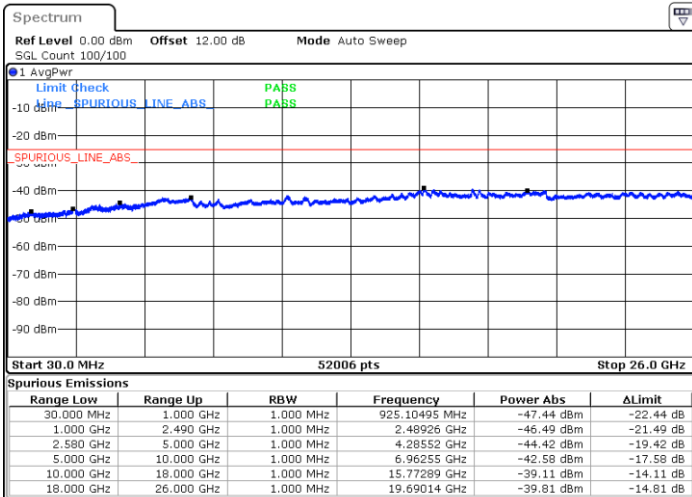


Date: 28.SEP.2020 09:12:32



Date: 28.SEP.2020 09:08:29

Highest Channel / 256QAM



Date: 28.SEP.2020 09:14:19



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0078	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0031	
0	Normal Voltage	0.0066	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0049	
20	Maximum Voltage	0.0033	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

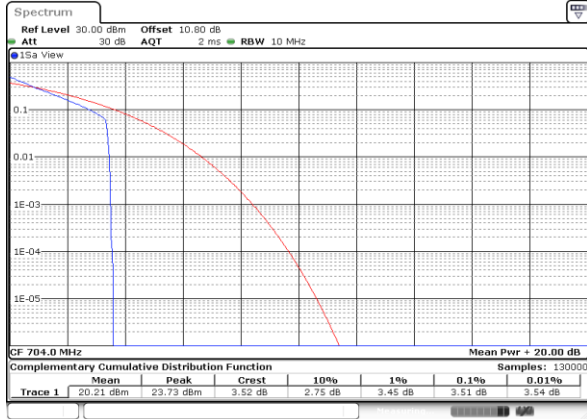
Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.51	5.10	5.45	5.88	PASS
Middle CH	3.45	5.07	5.01	5.91	
Highest CH	3.62	5.04	5.30	5.91	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM		256QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	6.96	6.38	7.54	6.43	PASS
Middle CH	6.03	6.46	6.38	6.41	
Highest CH	7.30	6.26	6.58	6.32	

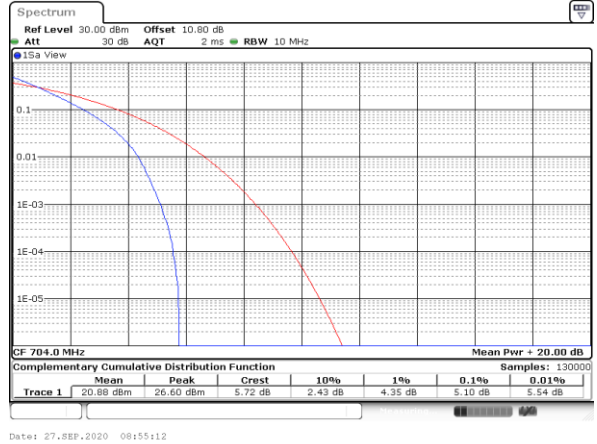


LTE Band 12 / 10MHz / QPSK

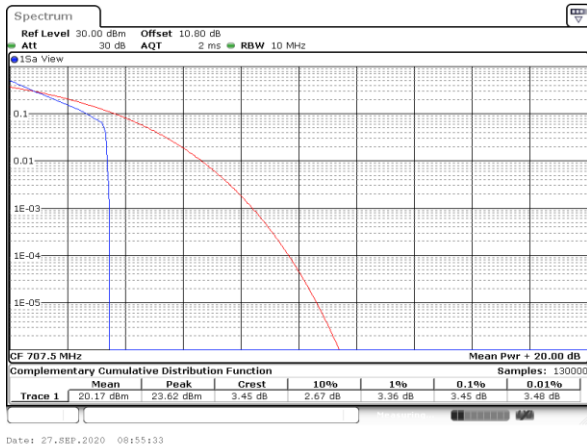
Lowest Channel / 1RB



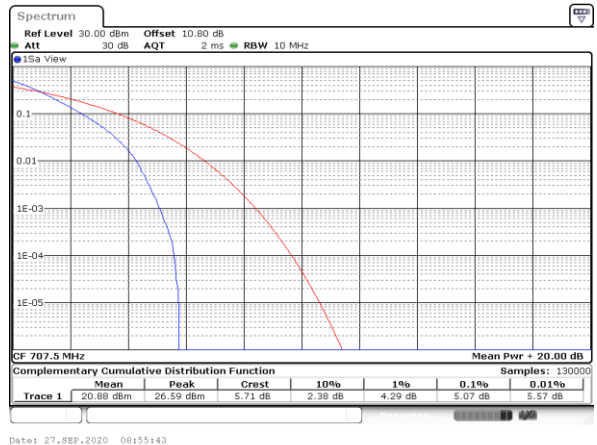
Lowest Channel / Full RB



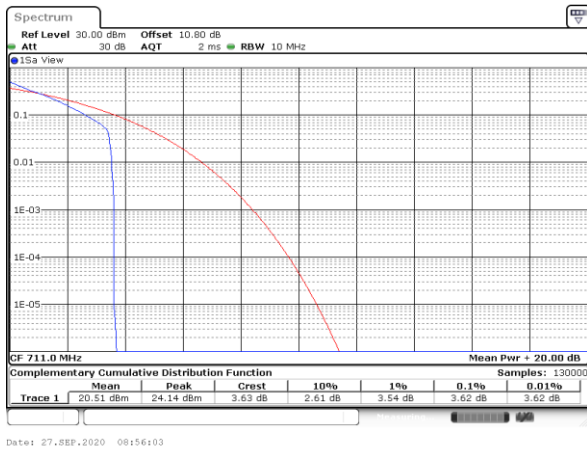
Middle Channel / 1RB



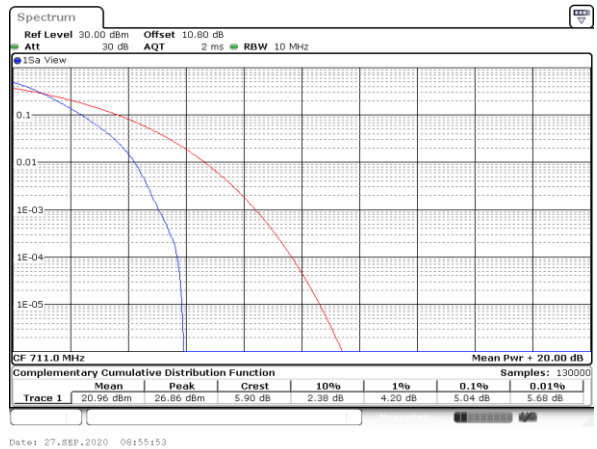
Middle Channel / Full RB



Highest Channel / 1RB



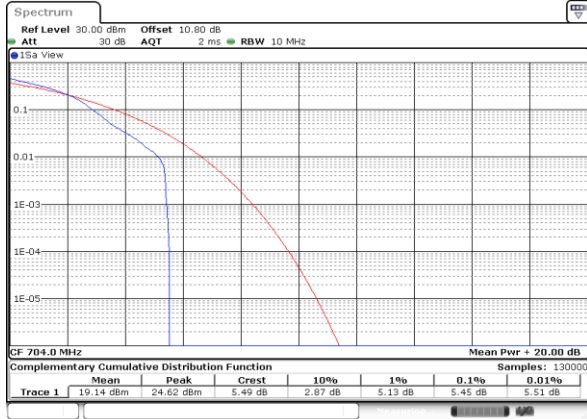
Highest Channel / Full RB





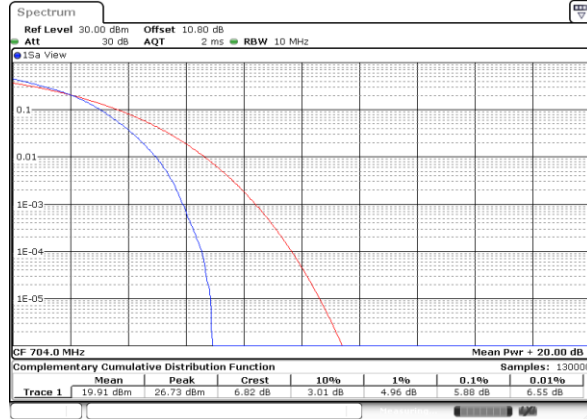
LTE Band 12 / 10MHz / 16QAM

Lowest Channel / 1RB



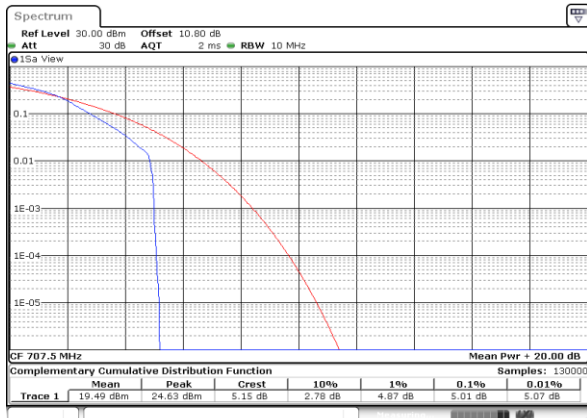
Date: 27.SEP.2020 08:54:22

Lowest Channel / Full RB



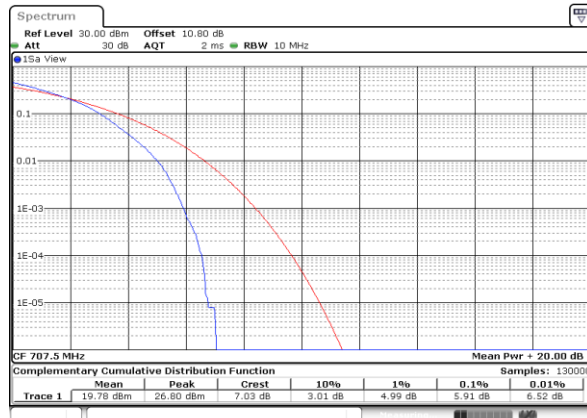
Date: 27.SEP.2020 08:54:11

Middle Channel / 1RB



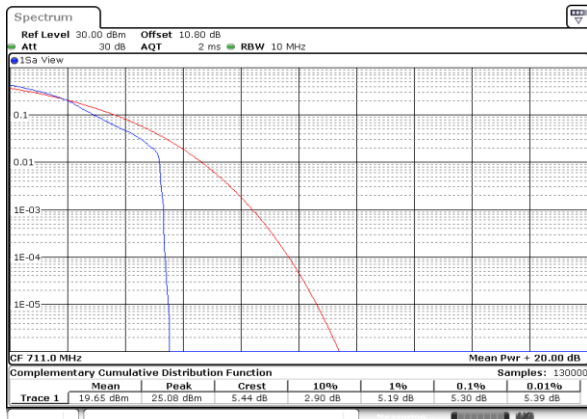
Date: 27.SEP.2020 08:54:32

Middle Channel / Full RB



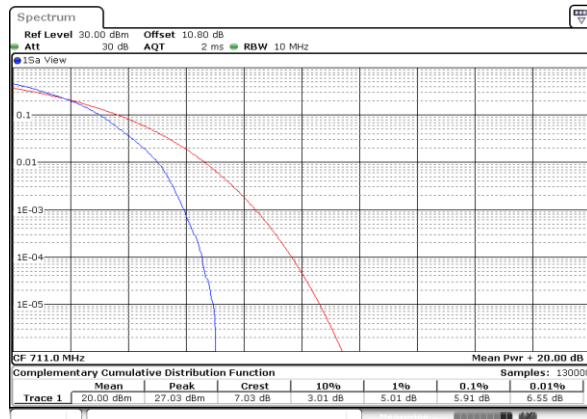
Date: 27.SEP.2020 08:54:42

Highest Channel / 1RB



Date: 27.SEP.2020 08:55:02

Highest Channel / Full RB



Date: 27.SEP.2020 08:54:52



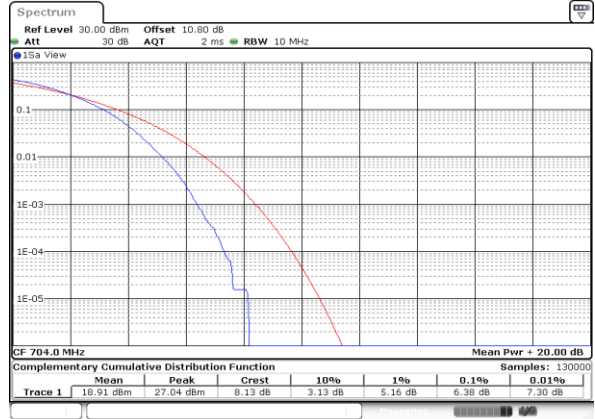
LTE Band 12 / 10MHz / 64QAM

Lowest Channel / 1RB



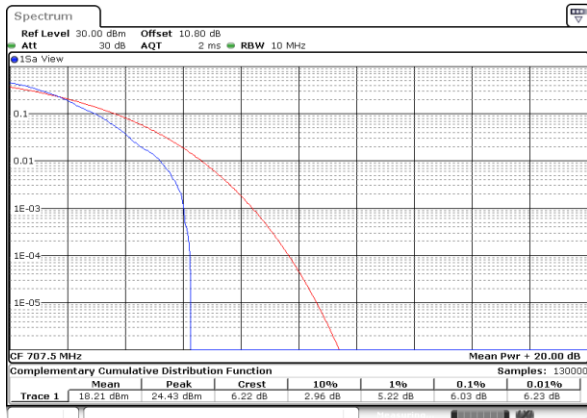
Date: 27.SEP.2020 08:53:16

Lowest Channel / Full RB



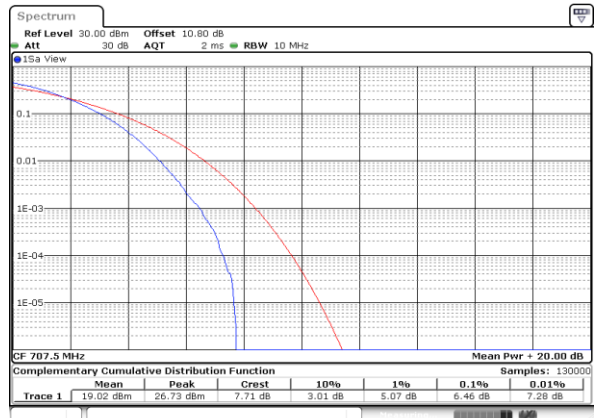
Date: 27.SEP.2020 08:53:06

Middle Channel / 1RB



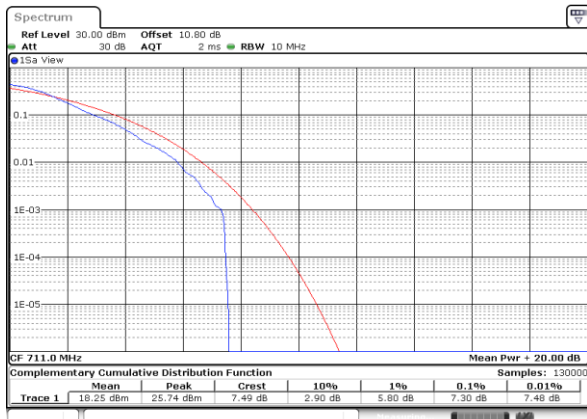
Date: 27.SEP.2020 08:53:27

Middle Channel / Full RB



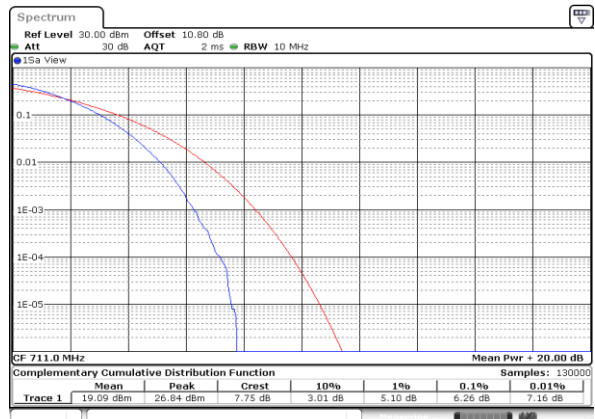
Date: 27.SEP.2020 08:53:39

Highest Channel / 1RB



Date: 27.SEP.2020 08:54:01

Highest Channel / Full RB

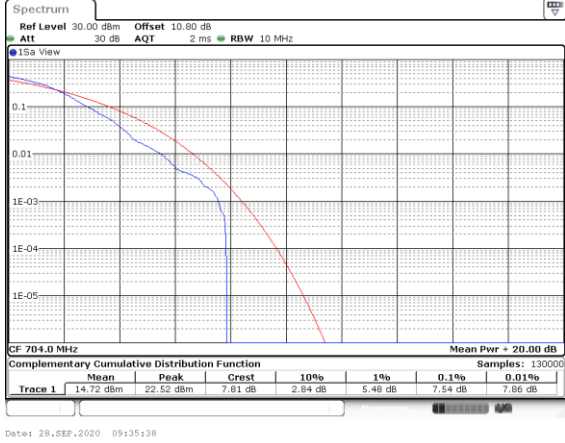


Date: 27.SEP.2020 08:53:50

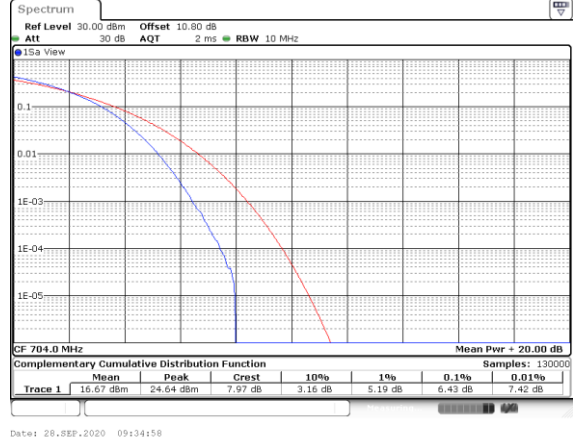


LTE Band 12 / 10MHz / 256QAM

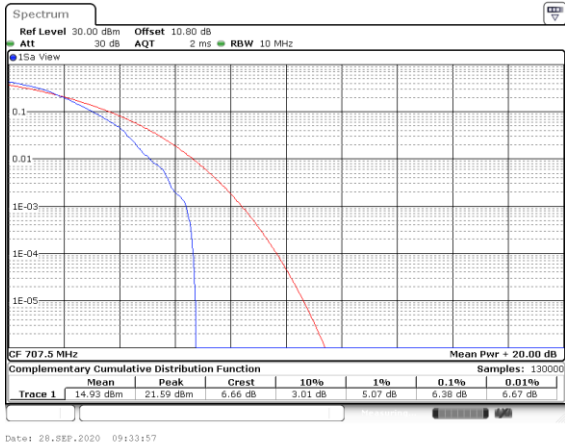
Lowest Channel / 1RB



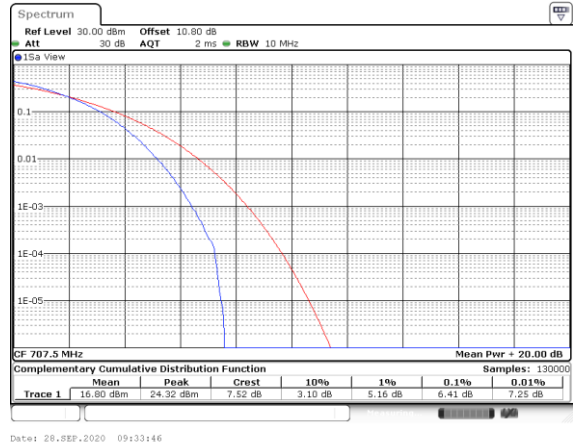
Lowest Channel / Full RB



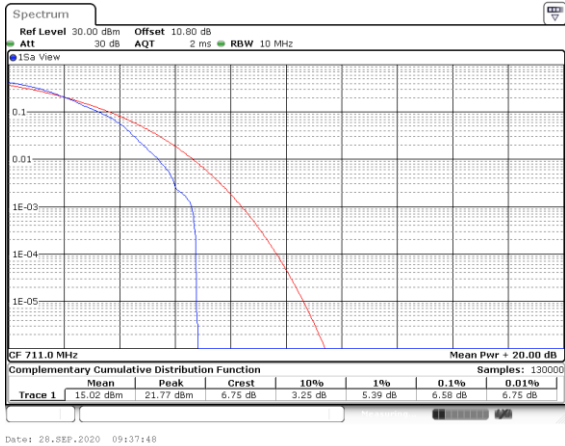
Middle Channel / 1RB



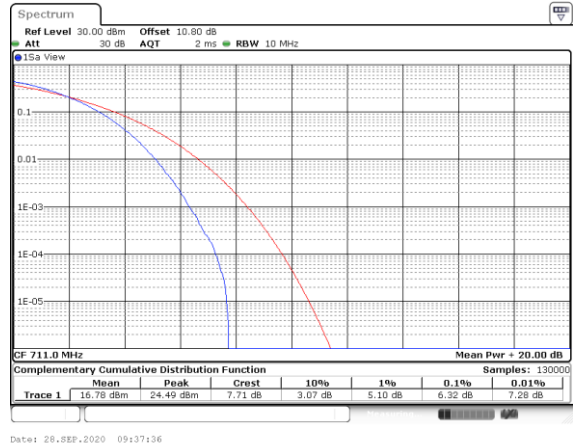
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB





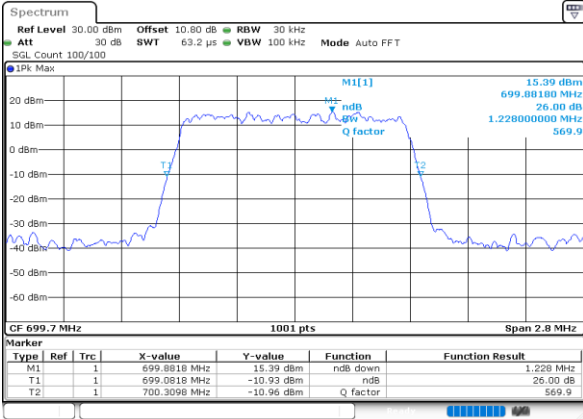
26dB Bandwidth

Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		-		-	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	-	-	-	-
Lowest CH	1.23	1.24	3.02	3.02	4.91	4.82	9.67	9.65	-	-	-	-
Middle CH	1.22	1.22	2.99	3.00	4.88	4.86	9.87	9.69	-	-	-	-
Highest CH	1.23	1.23	3.05	3.00	4.86	4.91	9.69	9.63	-	-	-	-
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		-		-	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	-	-	-	-
Lowest CH	1.24	1.22	3.02	3.00	4.84	4.90	9.79	9.65	-	-	-	-
Middle CH	1.20	1.23	3.03	3.02	4.88	4.90	9.77	9.71	-	-	-	-
Highest CH	1.22	1.22	3.00	3.05	4.92	4.88	9.71	9.79	-	-	-	-



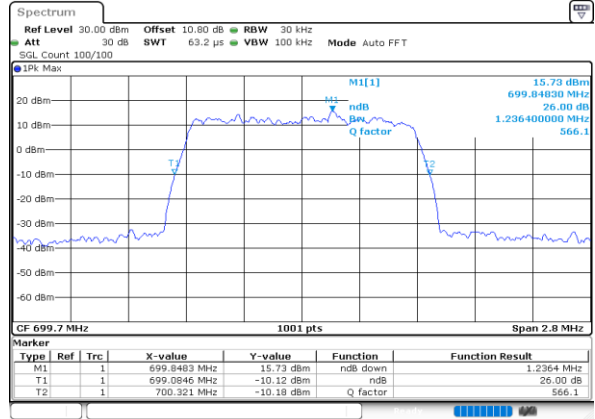
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



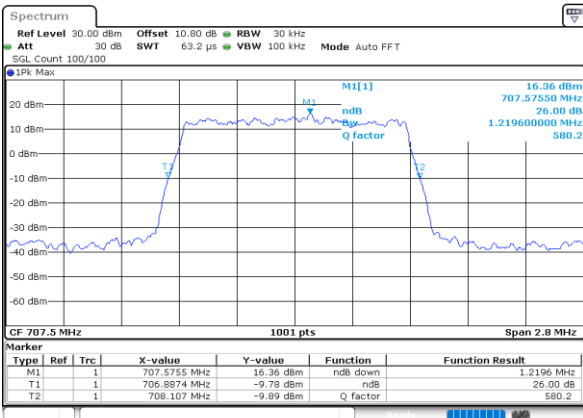
Date: 27_SEP.2020 08:08:56

Lowest Channel / 1.4MHz / 16QAM



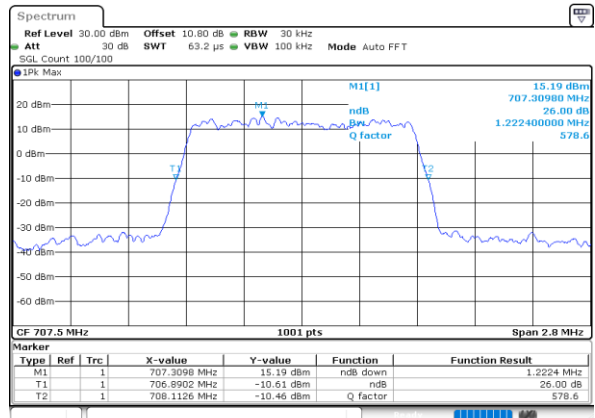
Date: 27_SEP.2020 08:10:44

Middle Channel / 1.4MHz / QPSK



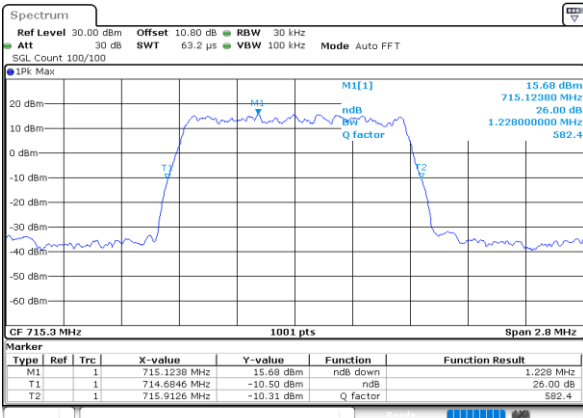
Date: 27_SEP.2020 08:10:20

Middle Channel / 1.4MHz / 16QAM



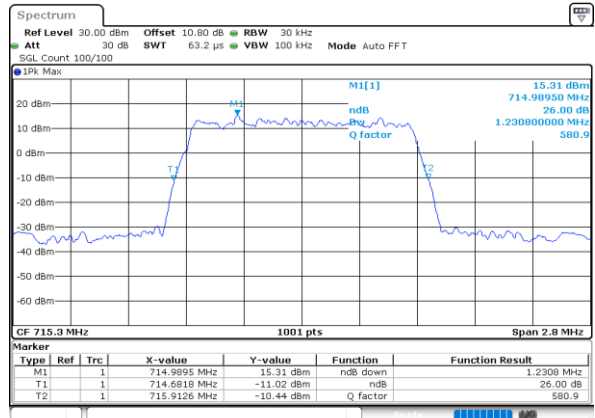
Date: 27_SEP.2020 08:11:31

Highest Channel / 1.4MHz / QPSK



Date: 27_SEP.2020 08:12:07

Highest Channel / 1.4MHz / 16QAM

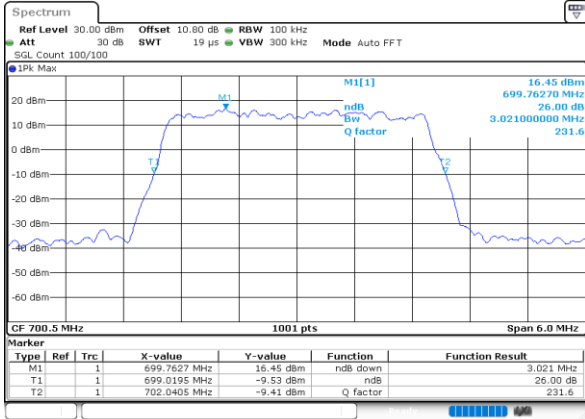


Date: 27_SEP.2020 08:11:55



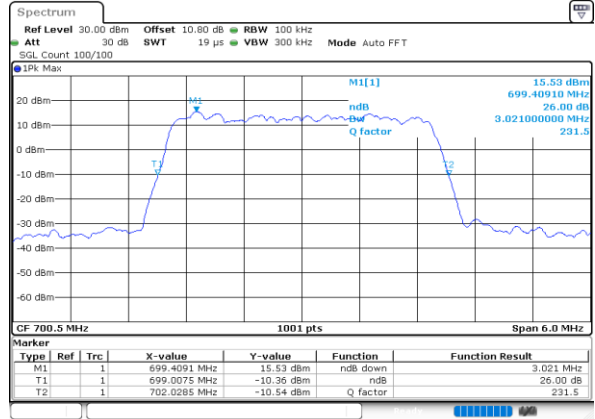
LTE Band 12

Lowest Channel / 3MHz / QPSK



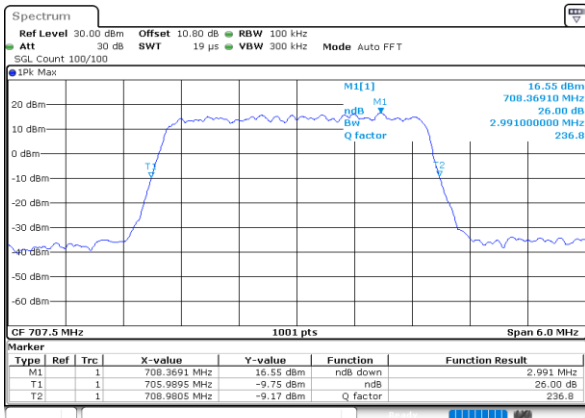
Date: 27.SEP.2020 08:16:09

Lowest Channel / 3MHz / 16QAM



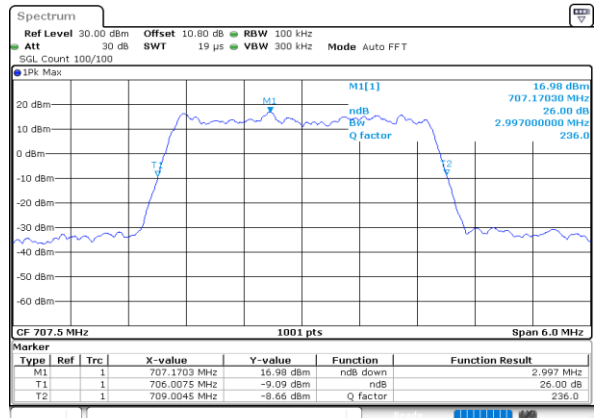
Date: 27.SEP.2020 08:15:57

Middle Channel / 3MHz / QPSK



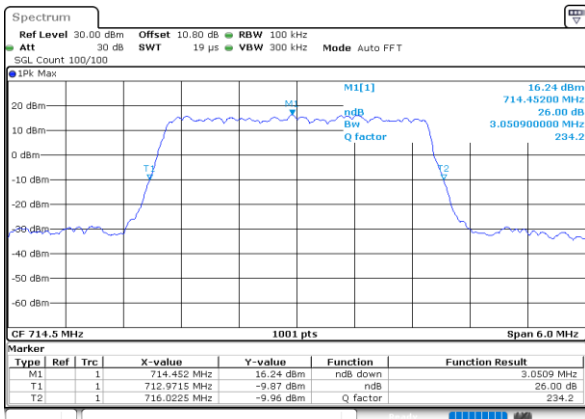
Date: 27.SEP.2020 08:17:34

Middle Channel / 3MHz / 16QAM



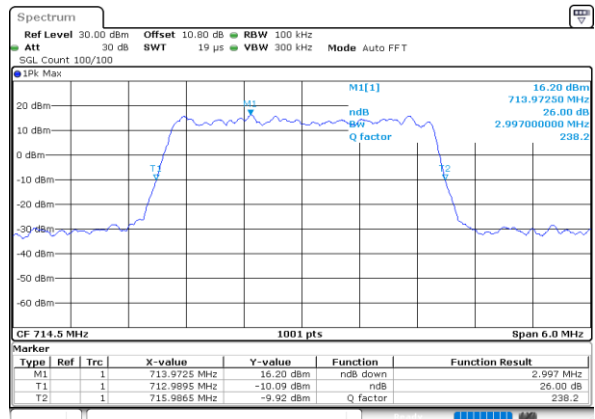
Date: 27.SEP.2020 08:17:45

Highest Channel / 3MHz / QPSK



Date: 27.SEP.2020 08:19:21

Highest Channel / 3MHz / 16QAM

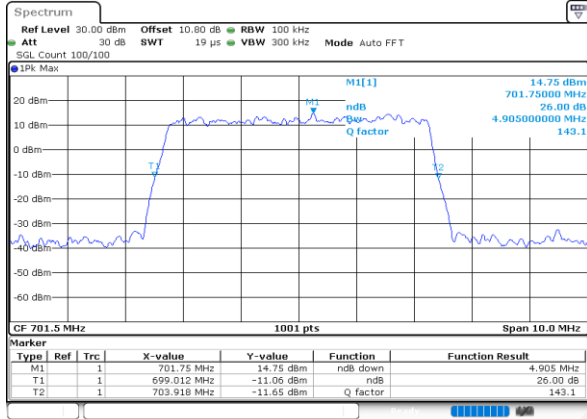


Date: 27.SEP.2020 08:19:09



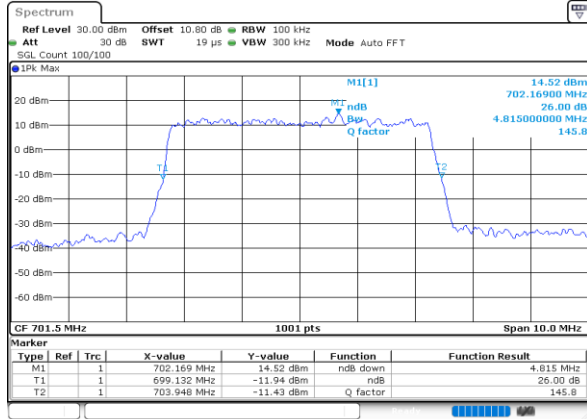
LTE Band 12

Lowest Channel / 5MHz / QPSK



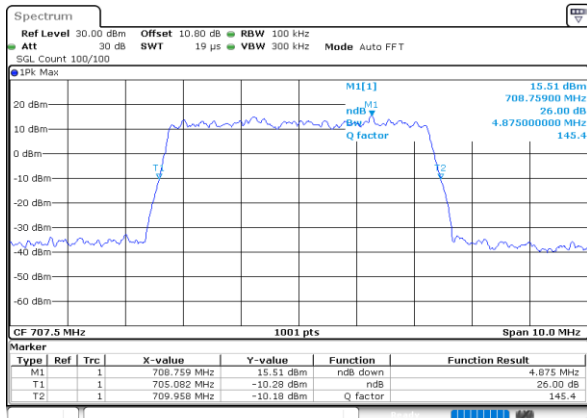
Date: 27_SEP.2020 08:30:41

Lowest Channel / 5MHz / 16QAM



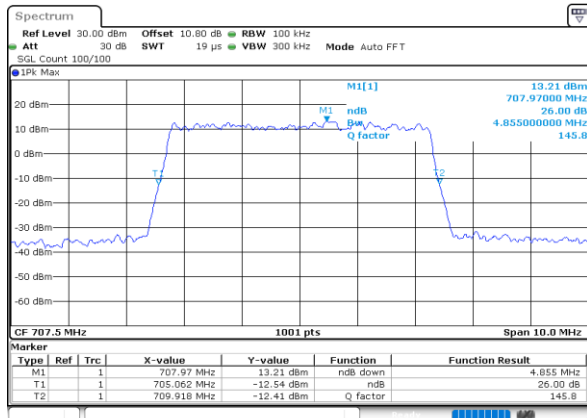
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Middle Channel / 5MHz / QPSK



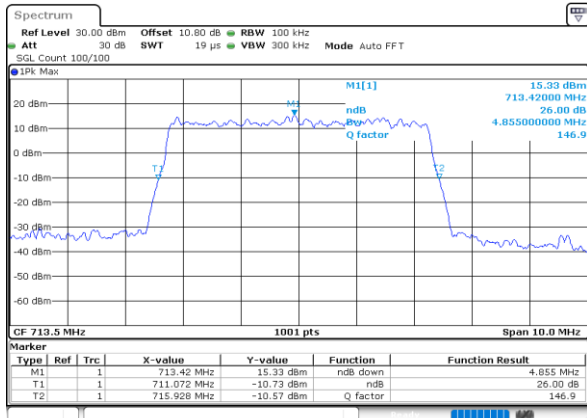
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Middle Channel / 5MHz / 16QAM



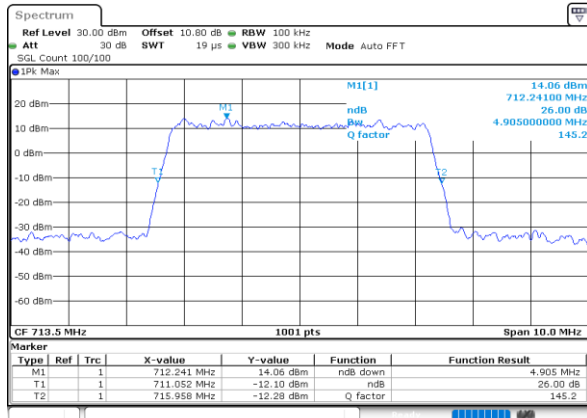
Date: 27_SEP.2020 08:34:28

Highest Channel / 5MHz / QPSK



Date: 27_SEP.2020 08:36:04

Highest Channel / 5MHz / 16QAM

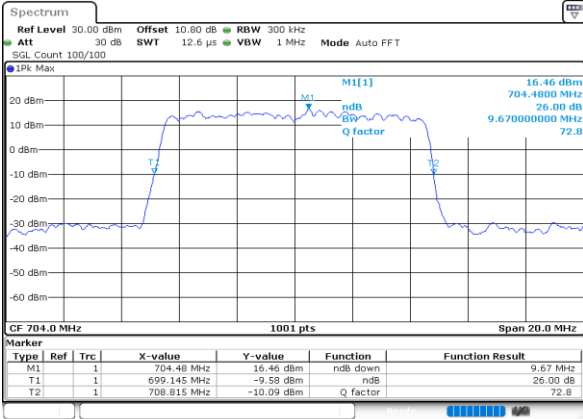


Date: 27_SEP.2020 08:35:52



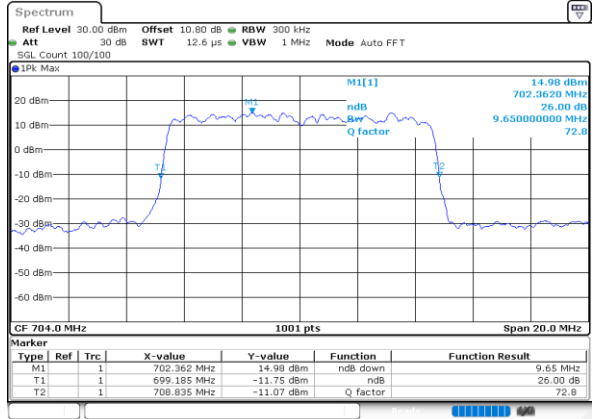
LTE Band 12

Lowest Channel / 10MHz / QPSK



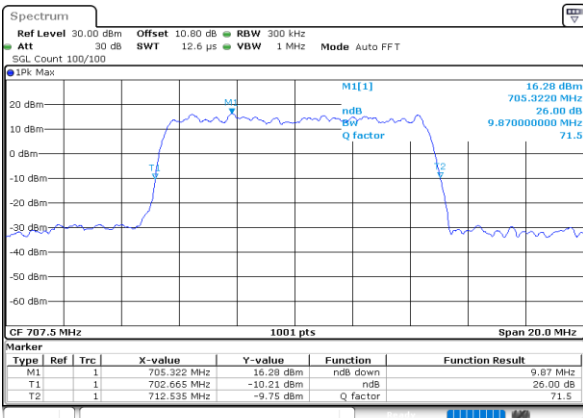
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Lowest Channel / 10MHz / 16QAM



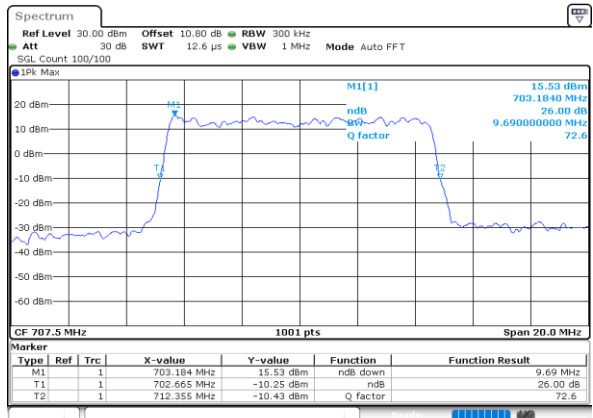
Date: 27.SEP.2020 08:13:40

Middle Channel / 10MHz / QPSK



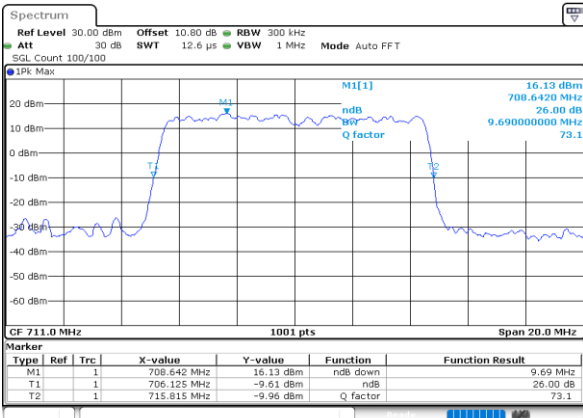
Date: 27.SEP.2020 08:43:29

Middle Channel / 10MHz / 16QAM



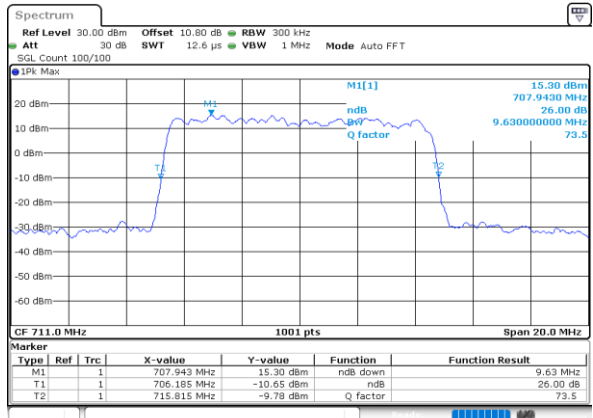
Date: 27.SEP.2020 08:43:40

Highest Channel / 10MHz / QPSK



Date: 27.SEP.2020 08:45:16

Highest Channel / 10MHz / 16QAM

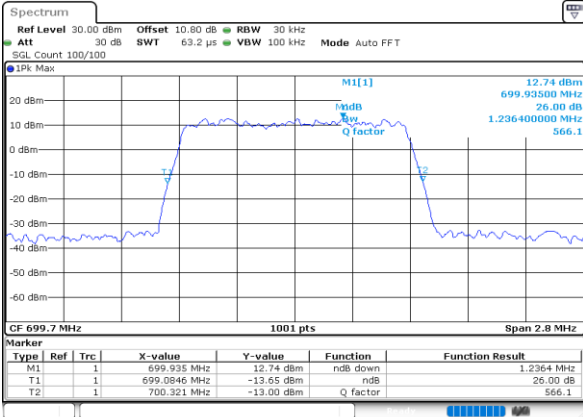


Date: 27.SEP.2020 08:45:04



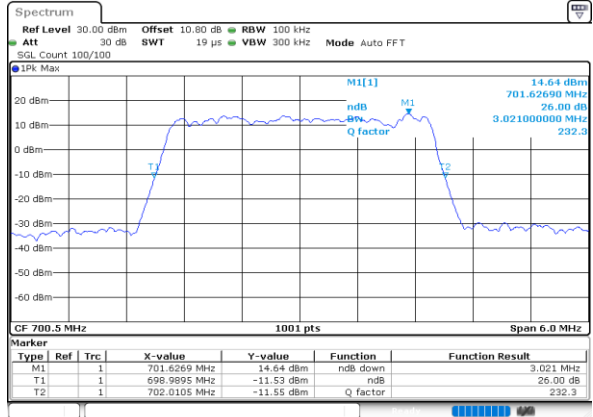
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



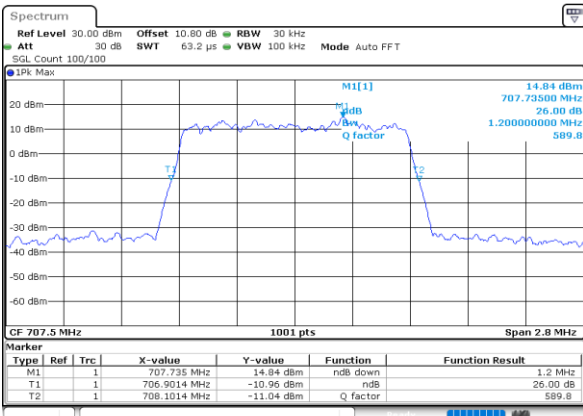
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Lowest Channel / 3MHz / 64QAM



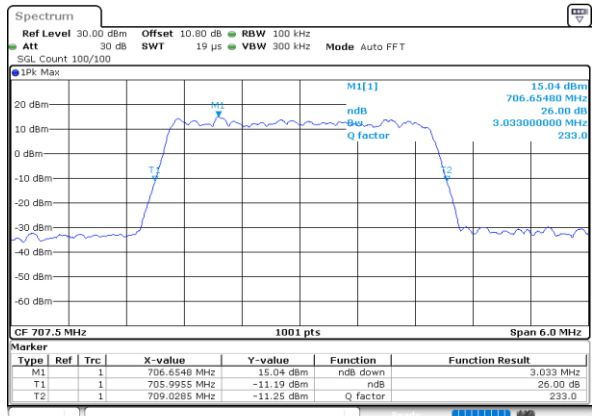
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Middle Channel / 1.4MHz / 64QAM



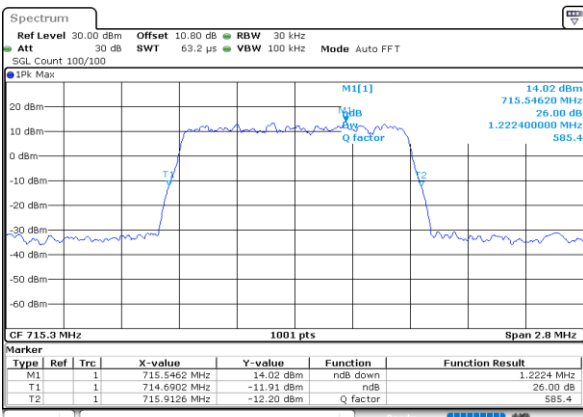
Date: 27_SEP.2020 08:14:08

Middle Channel / 3MHz / 64QAM



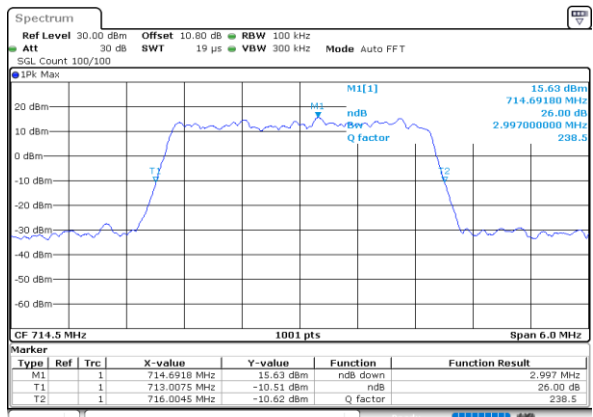
Date: 27_SEP.2020 08:12:10

Highest Channel / 1.4MHz / 64QAM



Date: 27_SEP.2020 08:14:56

Highest Channel / 3MHz / 64QAM

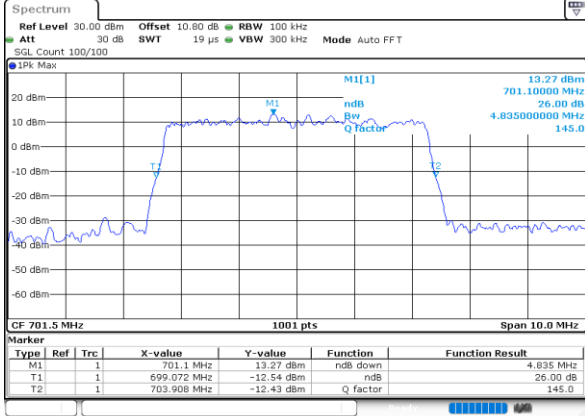


Date: 27_SEP.2020 08:12:48



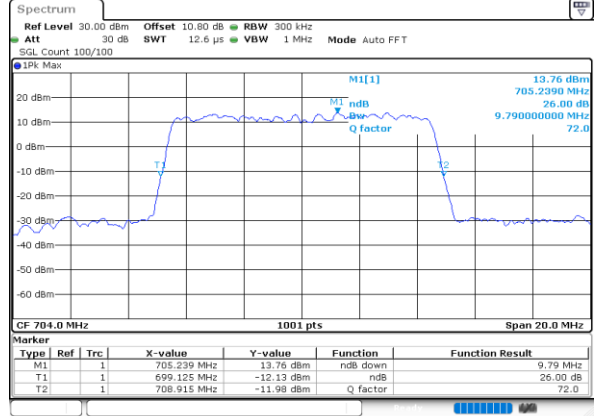
LTE Band 12

Lowest Channel / 5MHz / 64QAM



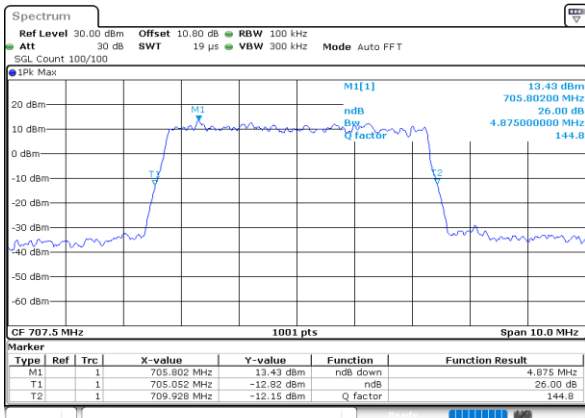
Date: 27_SEP.2020 08:25:43

Lowest Channel / 10MHz / 64QAM



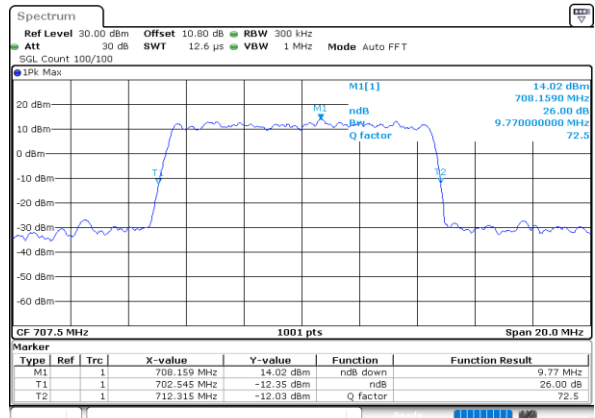
Date: 27_SEP.2020 08:14:42

Middle Channel / 5MHz / 64QAM



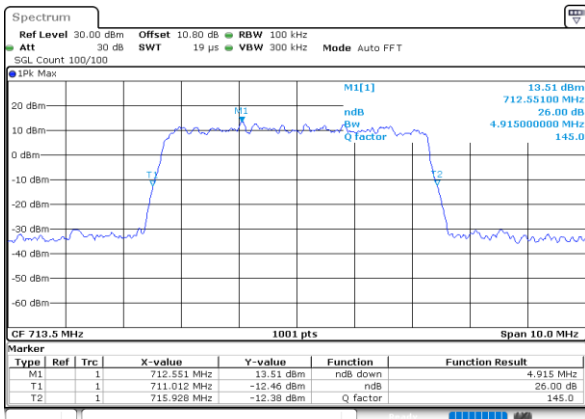
Date: 27_SEP.2020 08:27:36

Middle Channel / 10MHz / 64QAM



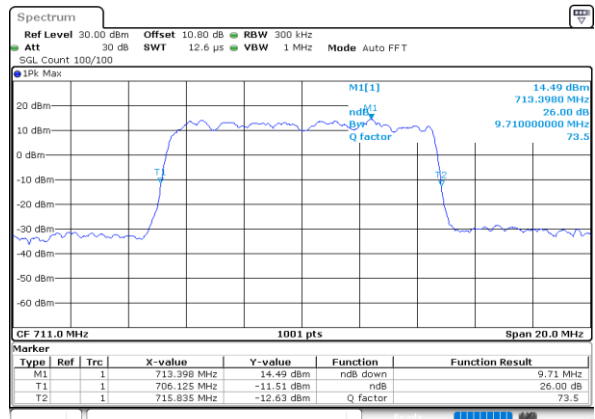
Date: 27_SEP.2020 08:15:36

Highest Channel / 5MHz / 64QAM



Date: 27_SEP.2020 08:28:24

Highest Channel / 10MHz / 64QAM



Date: 27_SEP.2020 08:15:124