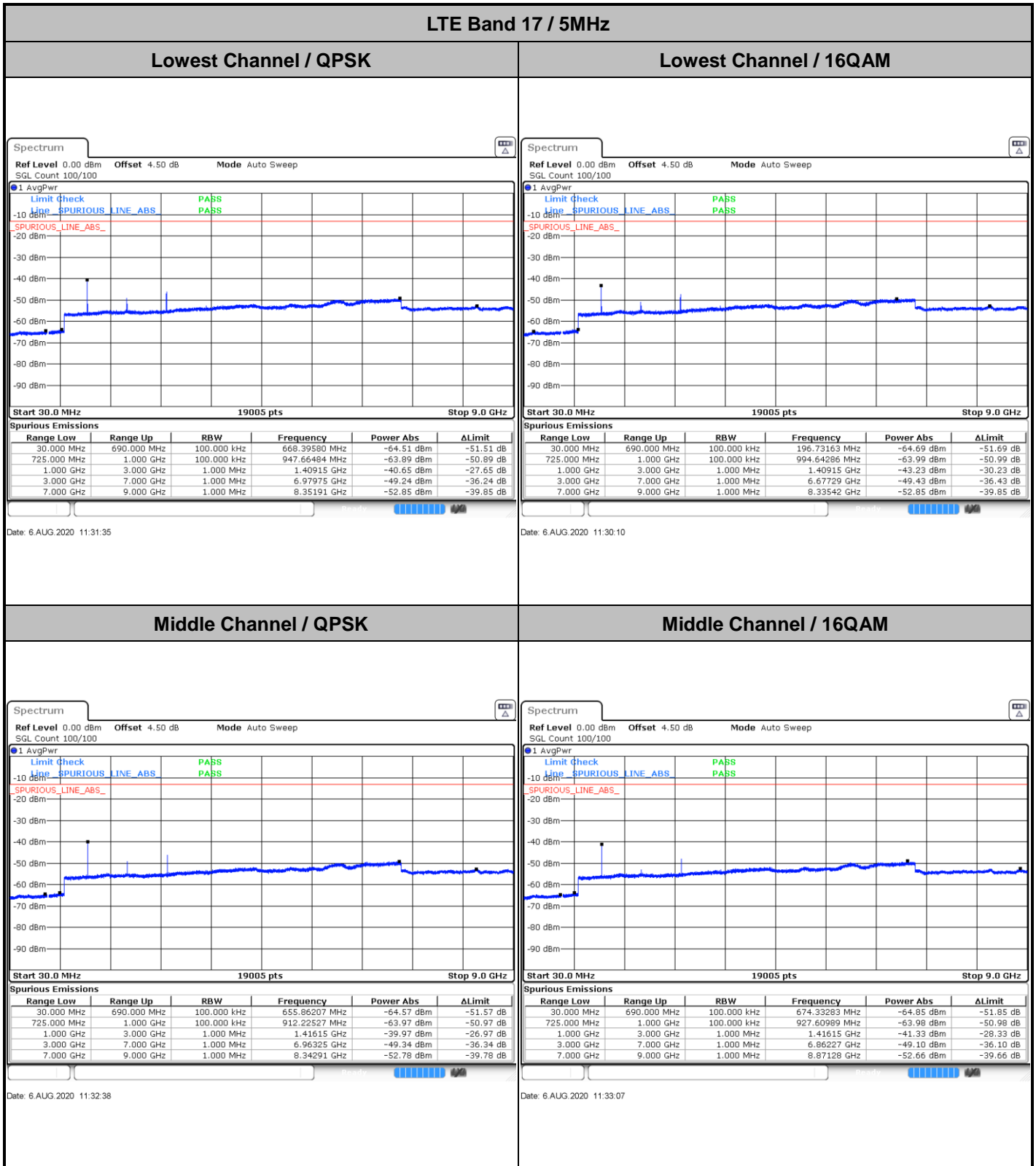




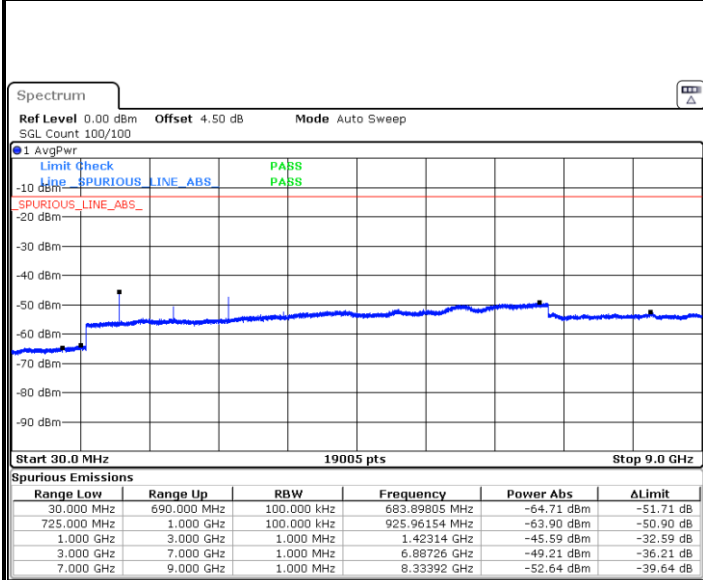
# Conducted Spurious Emission





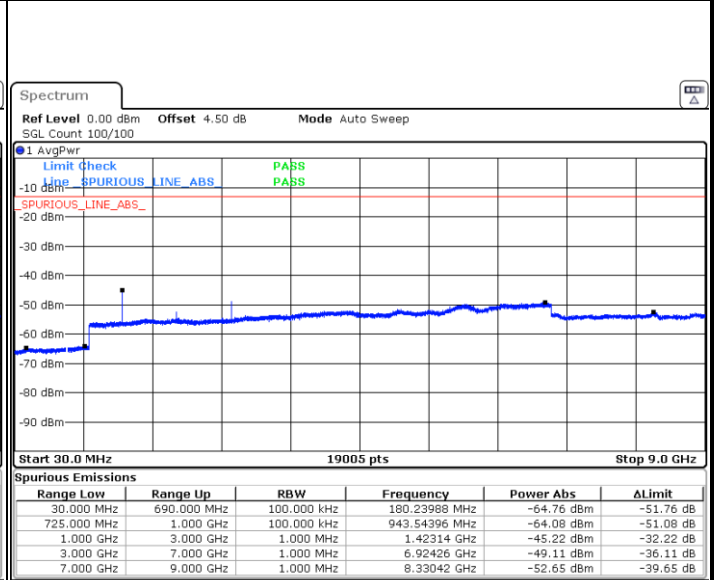
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 6 AUG.2020 11:44:49

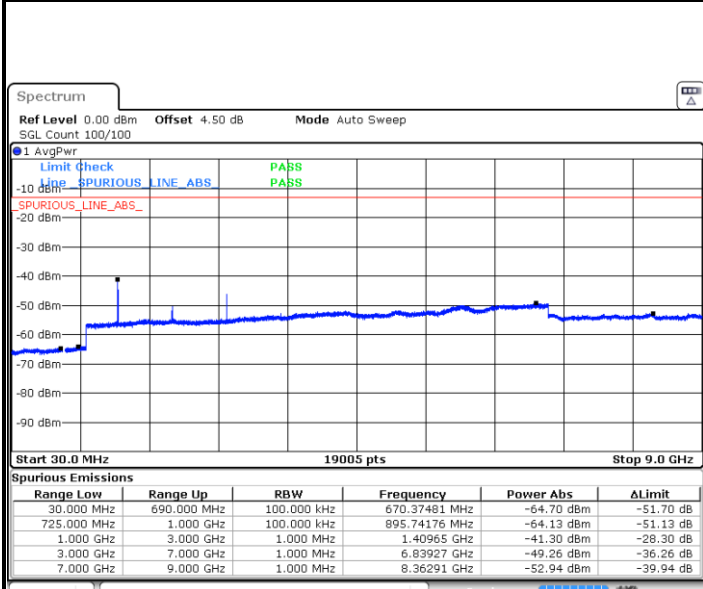
Highest Channel / 16QAM



Date: 6 AUG.2020 11:44:21

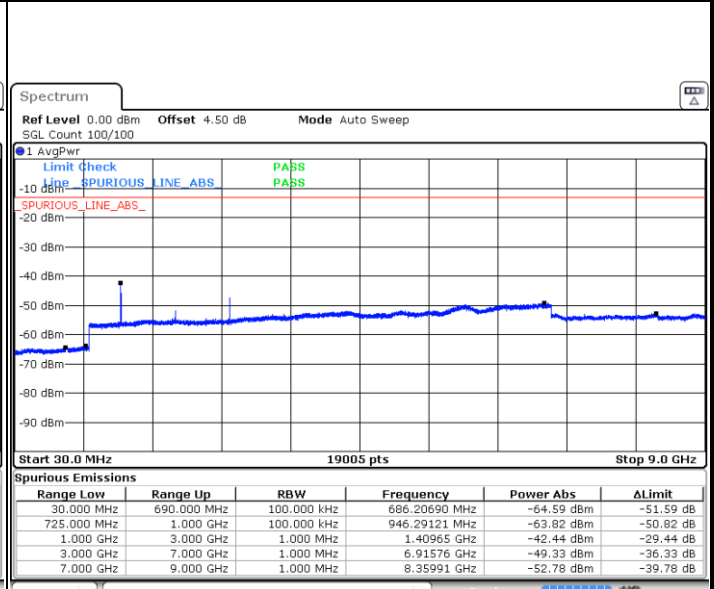
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 6 AUG.2020 11:55:32

Lowest Channel / 16QAM

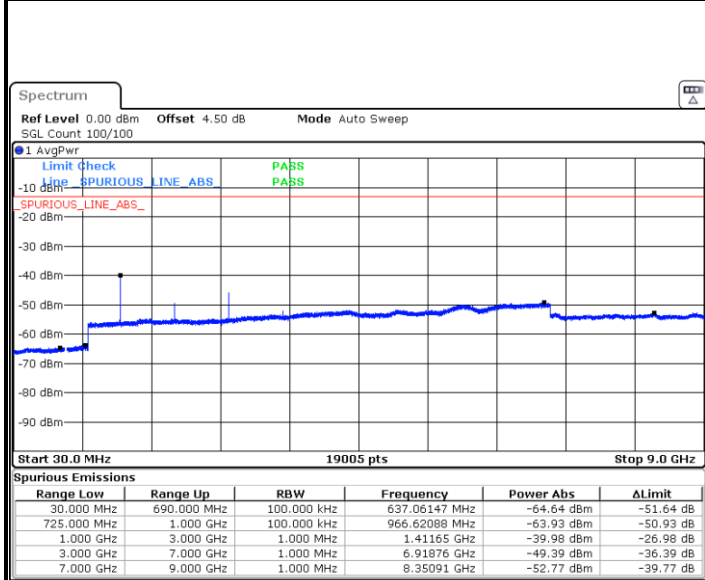


Date: 6 AUG.2020 12:01:13



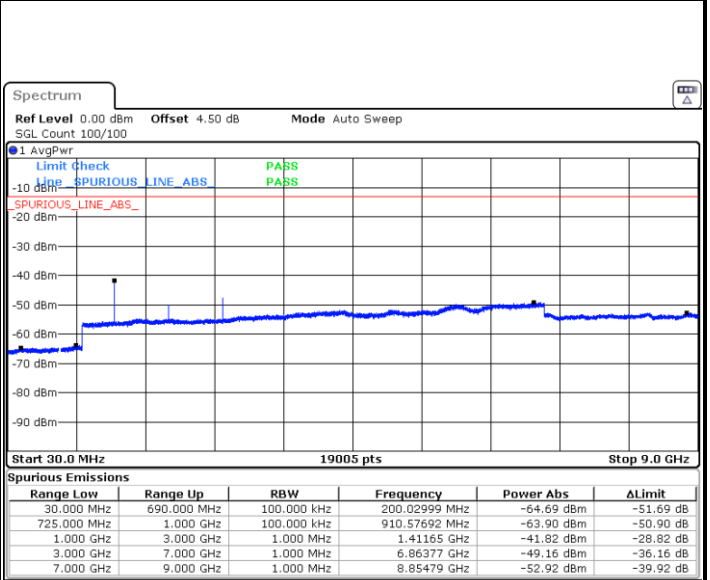
LTE Band 17 / 10MHz

Middle Channel / QPSK



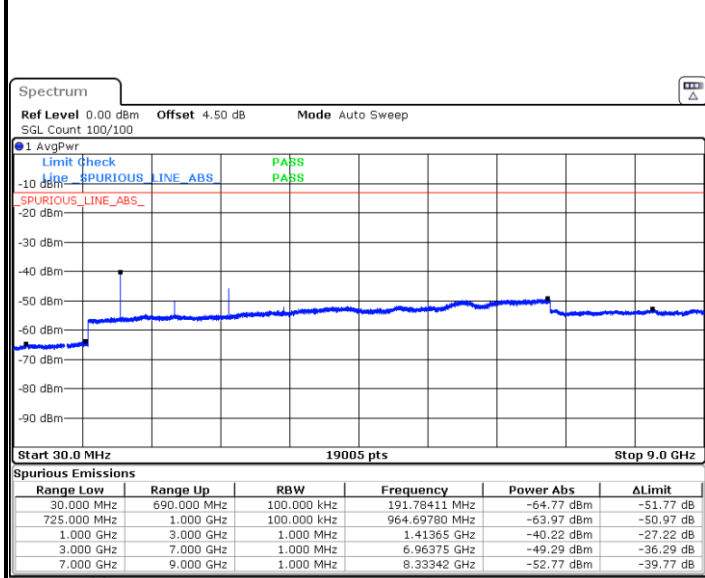
Date: 6 AUG.2020 12:06:01

Middle Channel / 16QAM



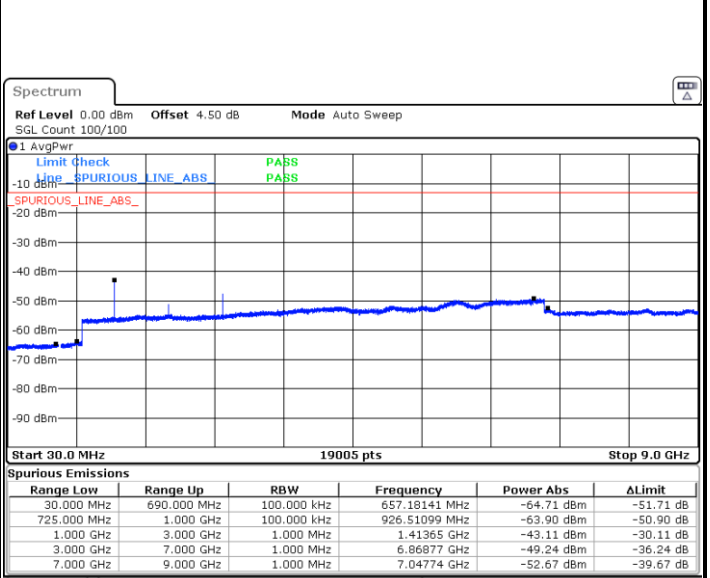
Date: 6 AUG.2020 12:05:27

Highest Channel / QPSK



Date: 6 AUG.2020 12:14:06

Highest Channel / 16QAM



Date: 6 AUG.2020 12:14:57



Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 66

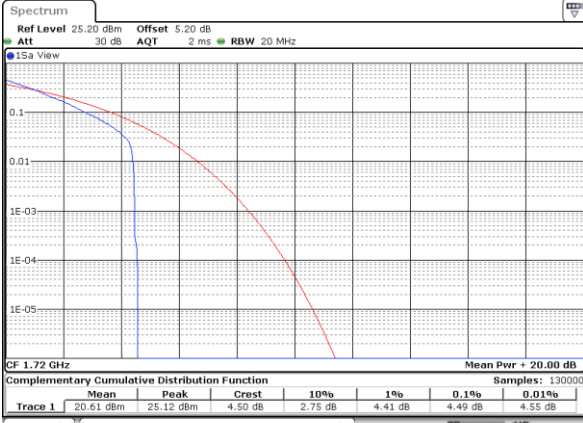
### Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.49	4.84	5.19	5.86	<b>PASS</b>
Middle CH	4.72	4.67	5.77	5.65	
Highest CH	4.49	5.07	5.33	6.09	



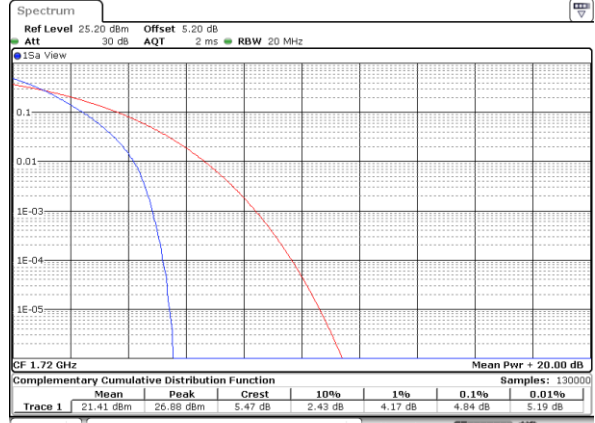
LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



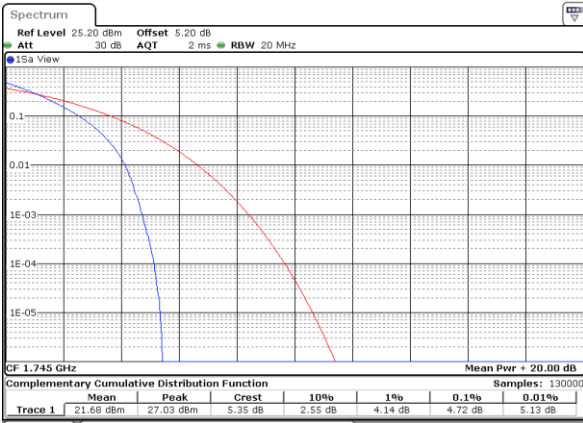
Date: 2 AUG 2020 06:04:42

Lowest Channel / Full RB



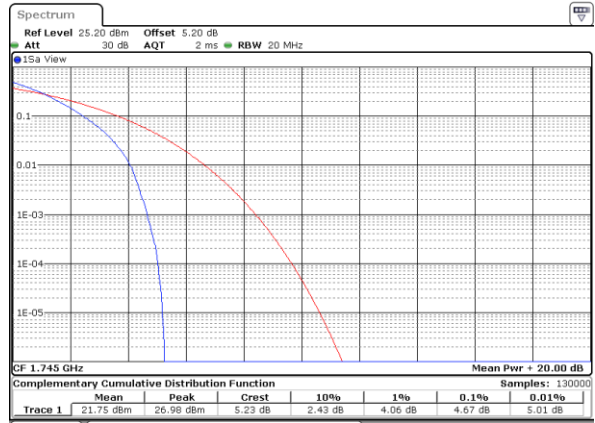
Date: 2 AUG 2020 06:01:45

Middle Channel / 1RB



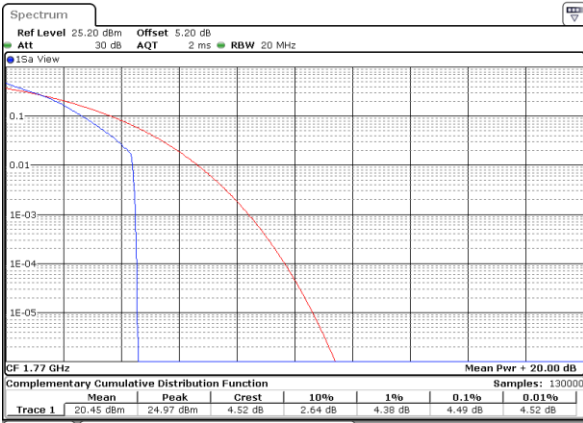
Date: 2 AUG 2020 06:10:45

Middle Channel / Full RB



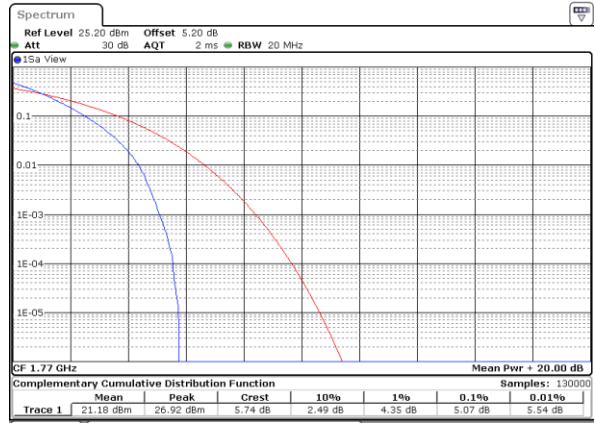
Date: 2 AUG 2020 06:19:20

Highest Channel / 1RB



Date: 2 AUG 2020 06:14:35

Highest Channel / Full RB

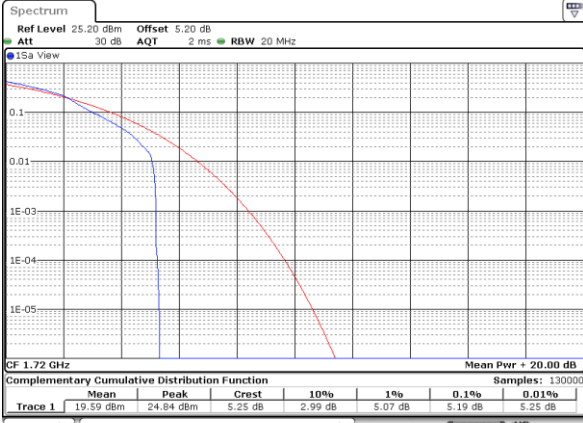


Date: 2 AUG 2020 06:11:44



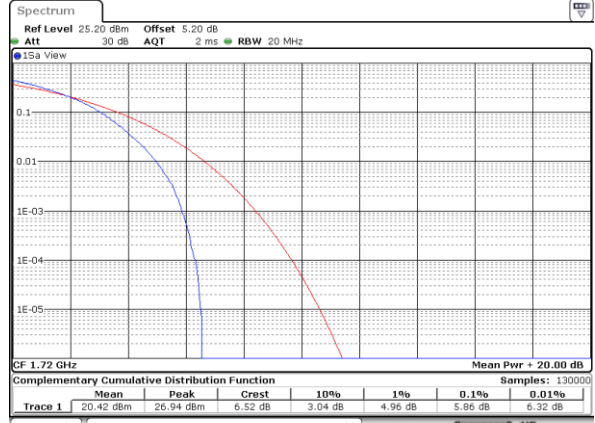
LTE Band 66 / 20MHz / 16QAM

Lowest Channel / 1RB



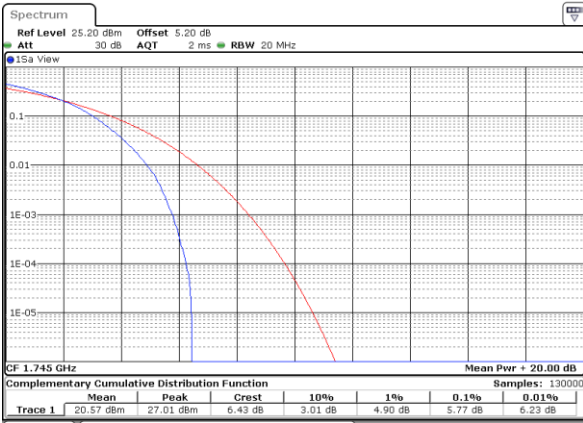
Date: 2 AUG 2020 06:03:49

Lowest Channel / Full RB



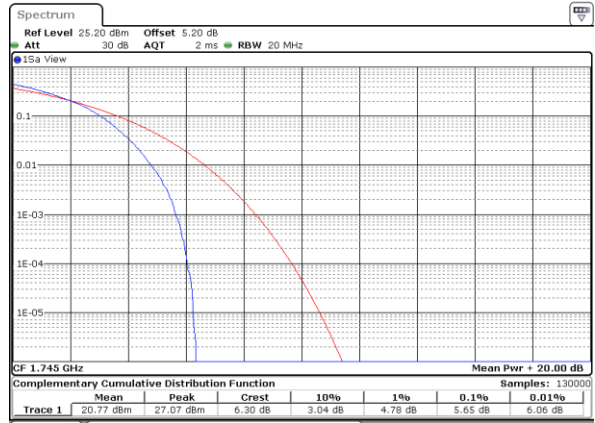
Date: 2 AUG 2020 06:02:19

Middle Channel / 1RB



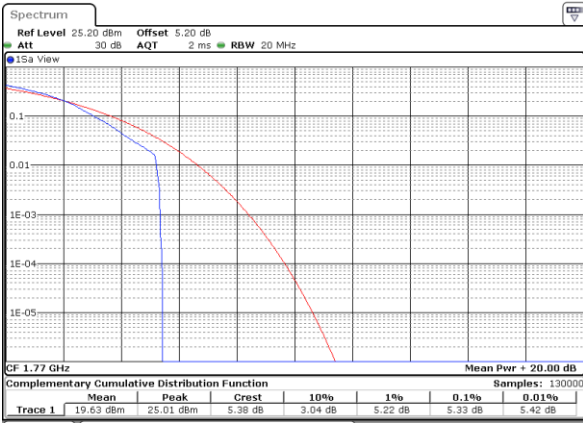
Date: 2 AUG 2020 06:10:24

Middle Channel / Full RB



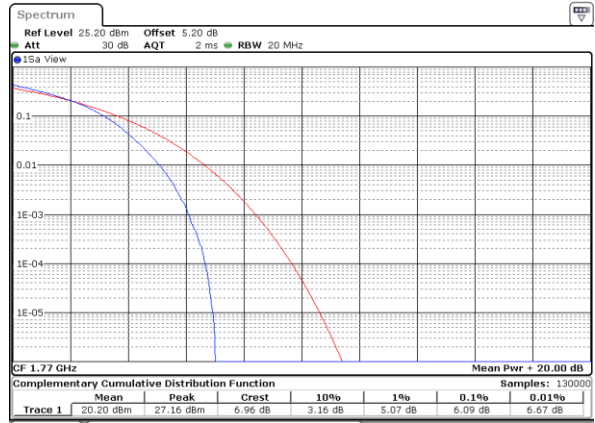
Date: 2 AUG 2020 06:19:29

Highest Channel / 1RB



Date: 2 AUG 2020 06:13:54

Highest Channel / Full RB



Date: 2 AUG 2020 06:12:10



**26dB Bandwidth**

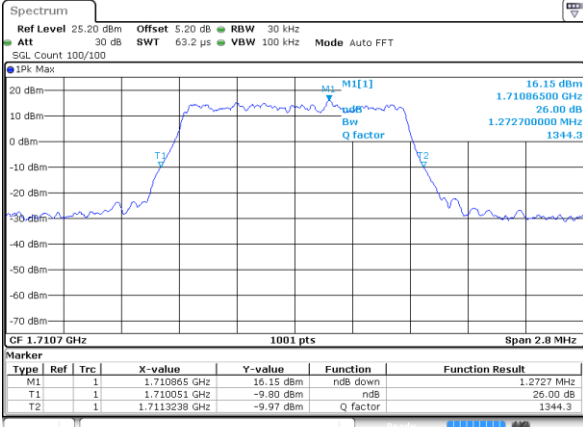
Mode	LTE Band 66 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.27	1.28	3.00	3.01	4.94	4.97	9.89	9.71	14.48	14.42	20.14	20.10
Middle CH	1.27	1.24	3.02	2.98	4.88	4.88	9.91	9.77	14.15	14.69	20.22	20.10
Highest CH	1.29	1.29	3.00	2.99	4.88	4.90	10.01	9.71	14.27	14.36	20.14	20.10





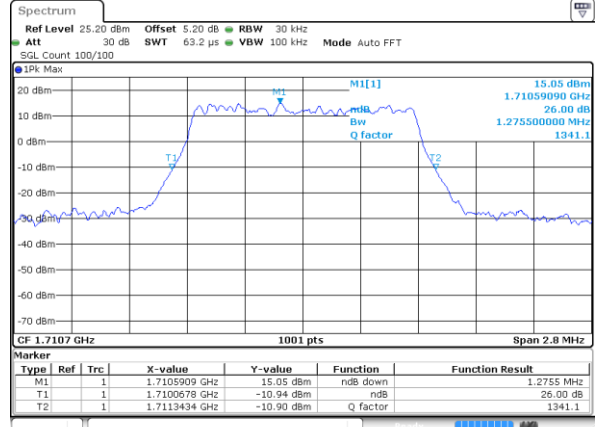
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



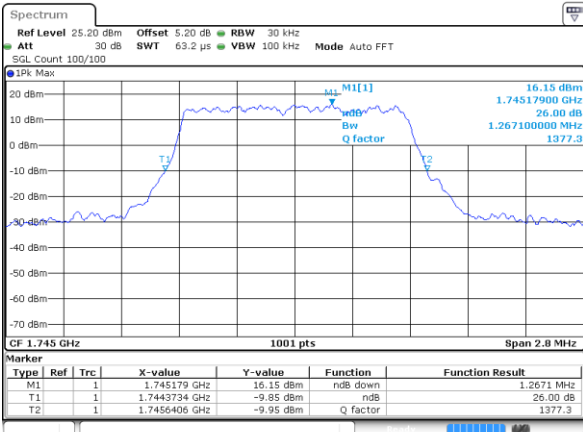
Date: 2 AUG 2020 04:29:33

Lowest Channel / 1.4MHz / 16QAM



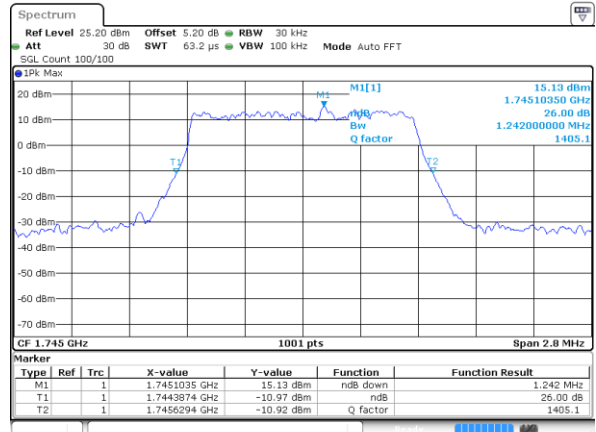
Date: 2 AUG 2020 04:30:50

Middle Channel / 1.4MHz / QPSK



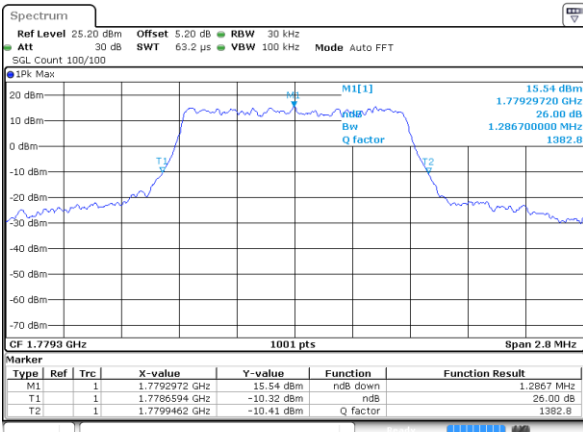
Date: 2 AUG 2020 04:41:17

Middle Channel / 1.4MHz / 16QAM



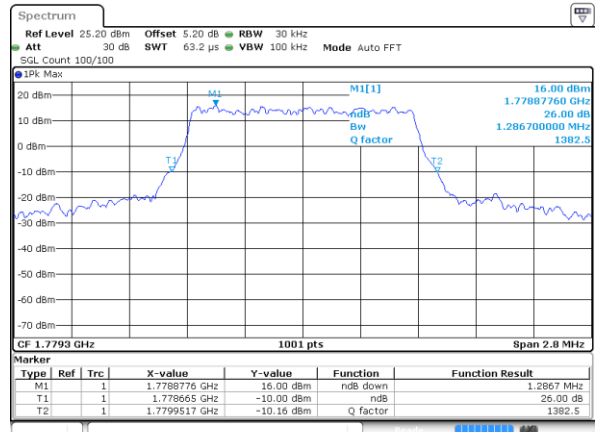
Date: 2 AUG 2020 04:41:00

Highest Channel / 1.4MHz / QPSK



Date: 2 AUG 2020 04:41:38

Highest Channel / 1.4MHz / 16QAM

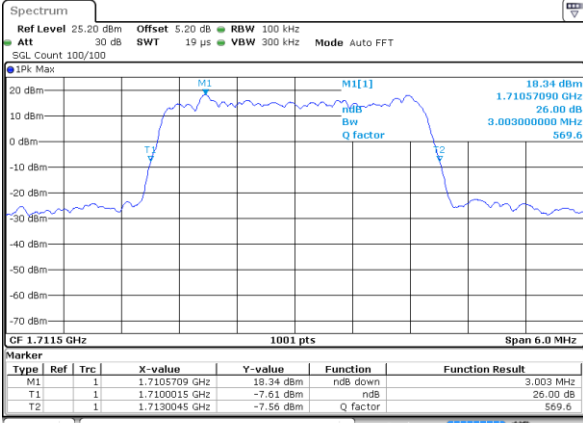


Date: 2 AUG 2020 04:50:47



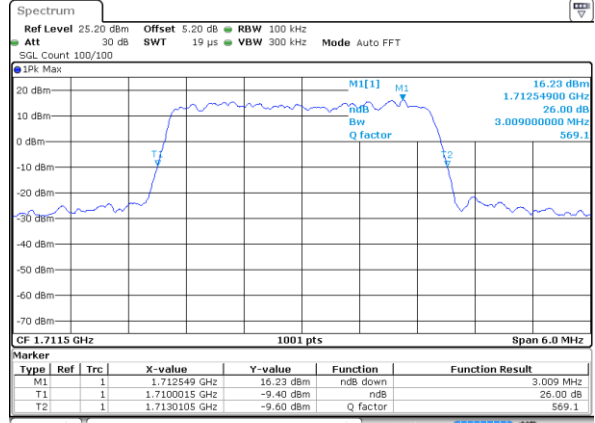
LTE Band 66

Lowest Channel / 3MHz / QPSK



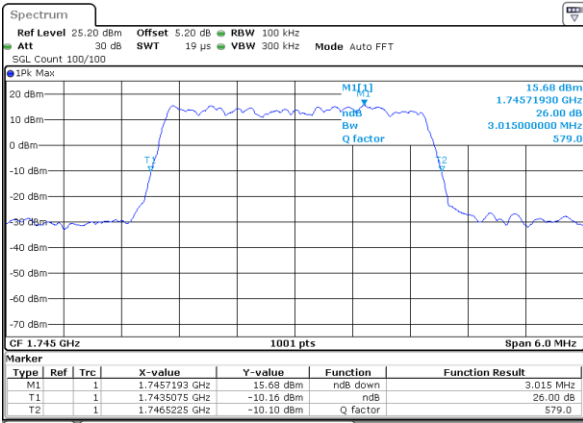
Date: 2 AUG 2020 04:56:40

Lowest Channel / 3MHz / 16QAM



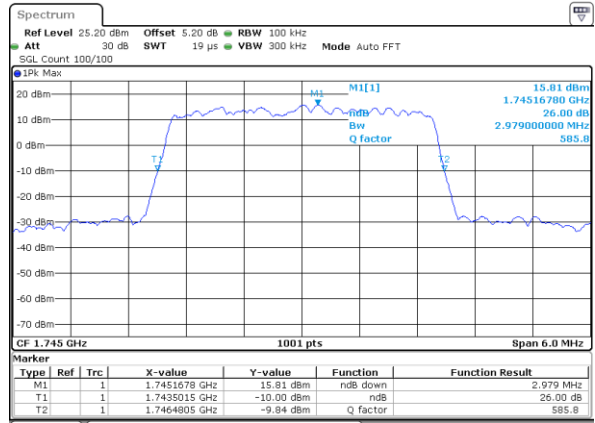
Date: 2 AUG 2020 04:57:29

Middle Channel / 3MHz / QPSK



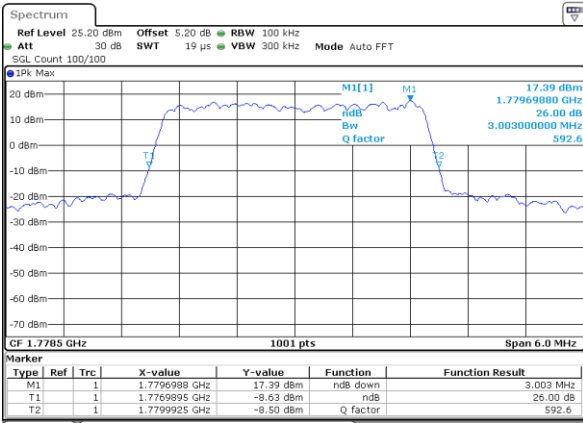
Date: 2 AUG 2020 05:05:38

Middle Channel / 3MHz / 16QAM



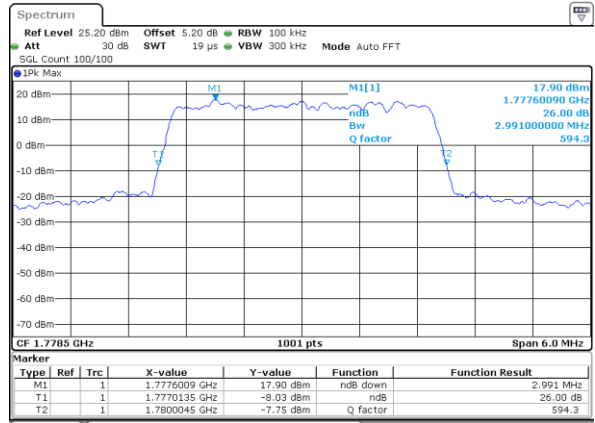
Date: 2 AUG 2020 05:05:26

Highest Channel / 3MHz / QPSK



Date: 2 AUG 2020 05:07:51

Highest Channel / 3MHz / 16QAM

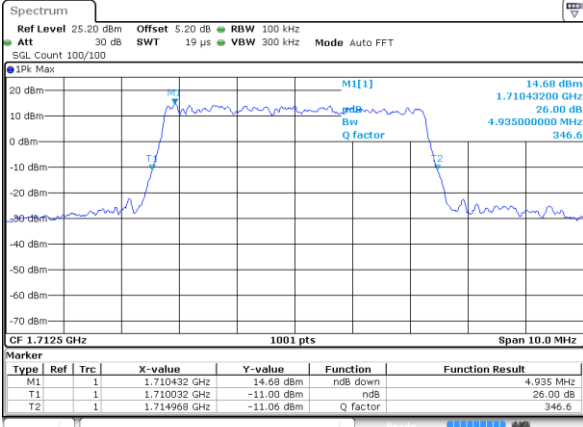


Date: 2 AUG 2020 05:07:37



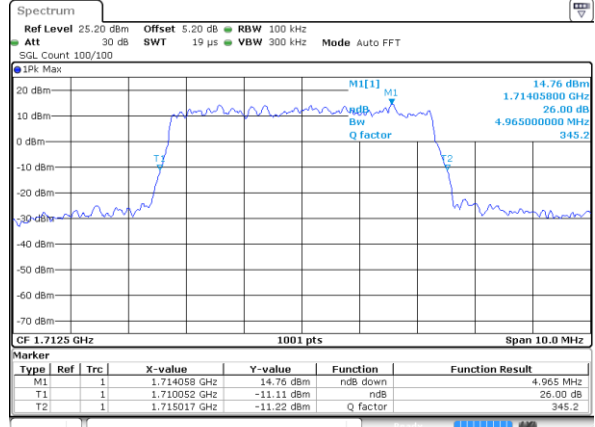
LTE Band 66

Lowest Channel / 5MHz / QPSK



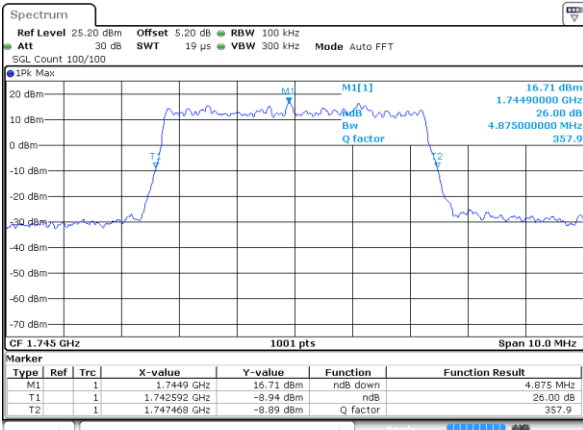
Date: 2 AUG 2020 05:16:34

Lowest Channel / 5MHz / 16QAM



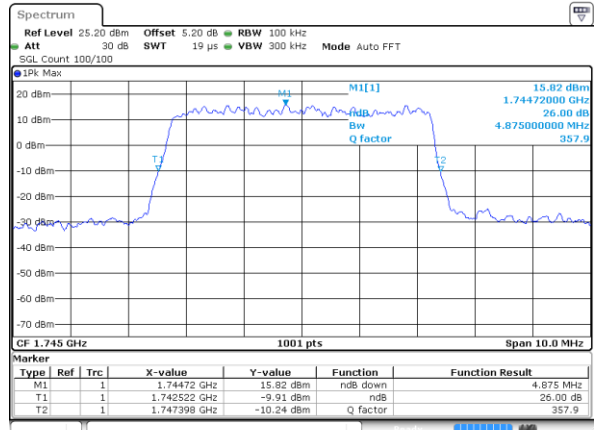
Date: 2 AUG 2020 05:16:04

Middle Channel / 5MHz / QPSK



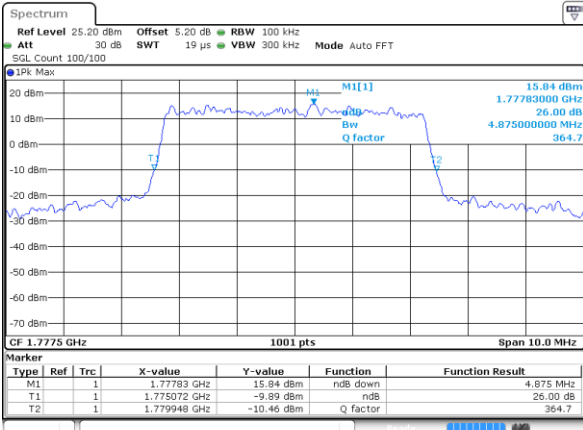
Date: 2 AUG 2020 05:25:13

Middle Channel / 5MHz / 16QAM



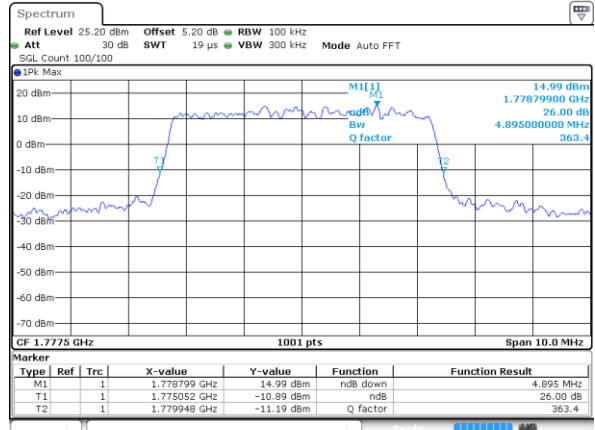
Date: 2 AUG 2020 05:25:25

Highest Channel / 5MHz / QPSK



Date: 2 AUG 2020 05:26:15

Highest Channel / 5MHz / 16QAM

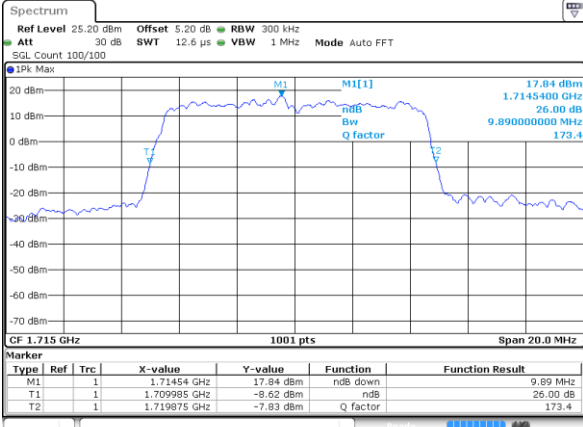


Date: 2 AUG 2020 05:26:43



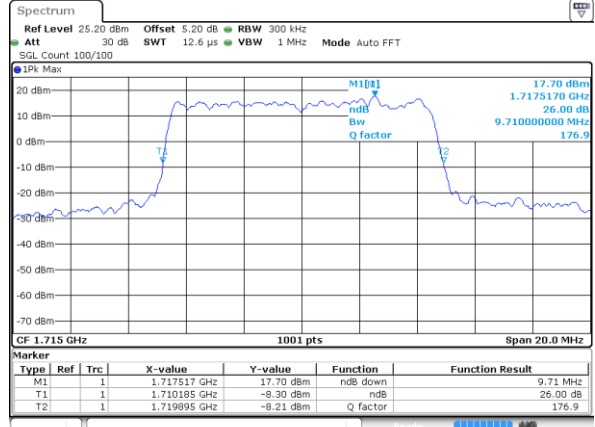
LTE Band 66

Lowest Channel / 10MHz / QPSK



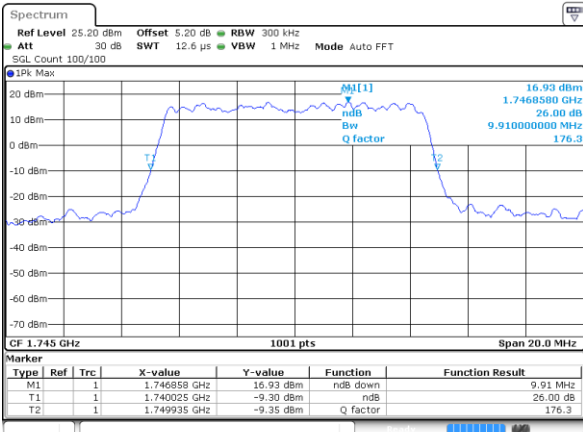
Date: 2 AUG 2020 05:34:05

Lowest Channel / 10MHz / 16QAM



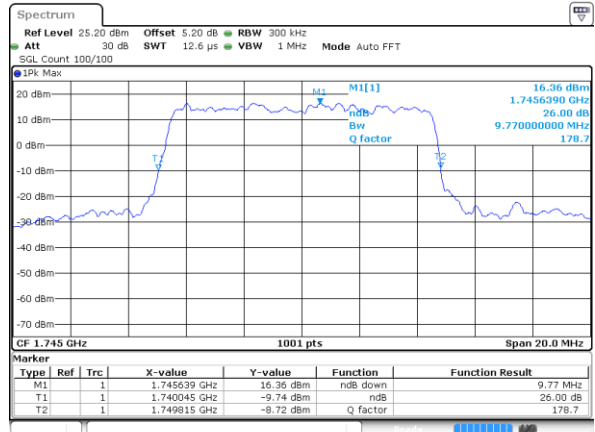
Date: 2 AUG 2020 05:33:43

Middle Channel / 10MHz / QPSK



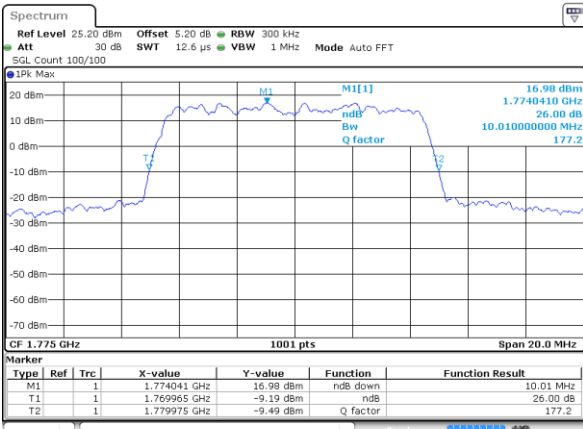
Date: 2 AUG 2020 05:39:05

Middle Channel / 10MHz / 16QAM



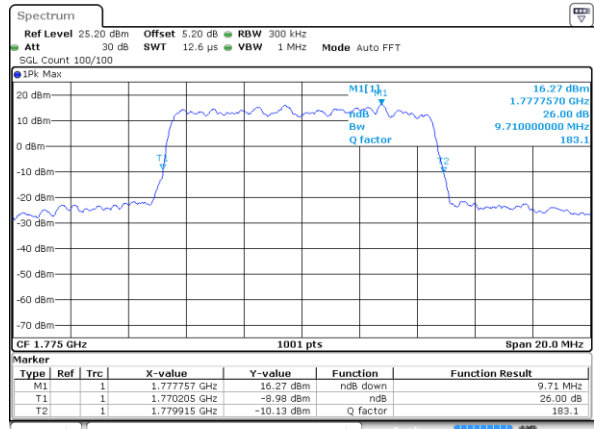
Date: 2 AUG 2020 05:39:17

Highest Channel / 10MHz / QPSK



Date: 2 AUG 2020 05:40:06

Highest Channel / 10MHz / 16QAM

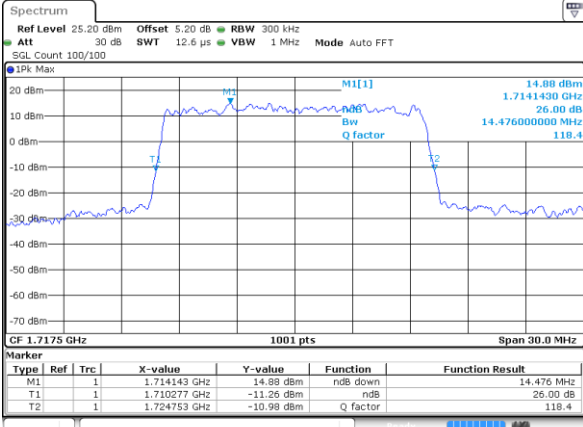


Date: 2 AUG 2020 05:40:29



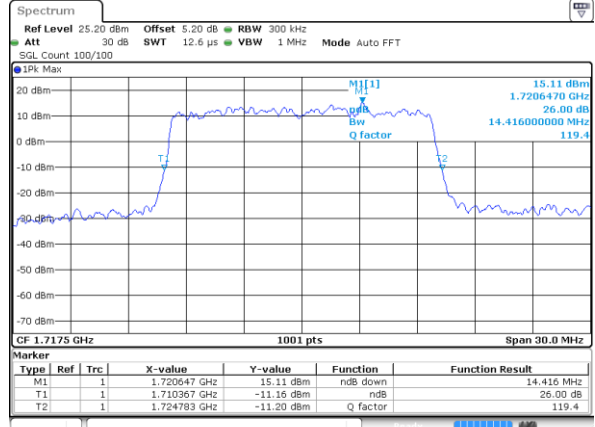
LTE Band 66

Lowest Channel / 15MHz / QPSK



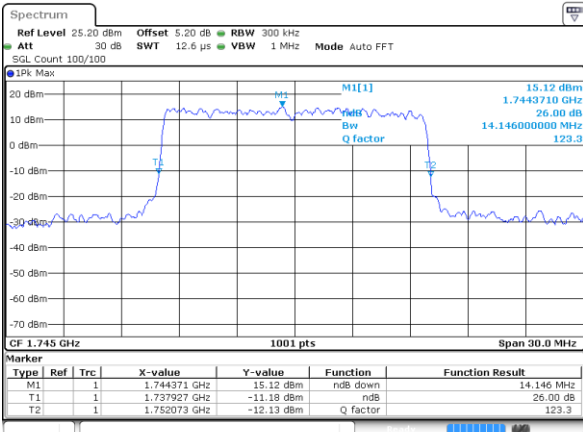
Date: 2 AUG 2020 05:46:23

Lowest Channel / 15MHz / 16QAM



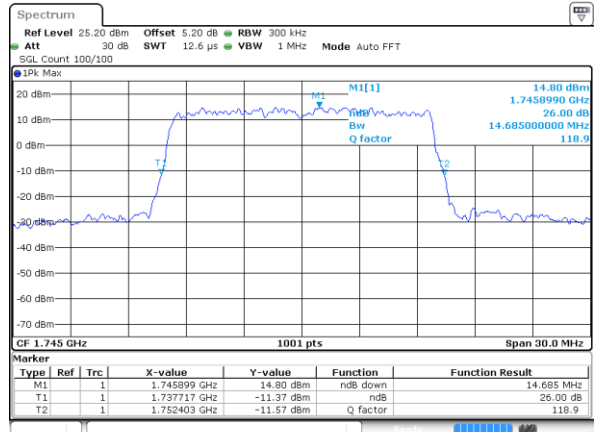
Date: 2 AUG 2020 05:46:45

Middle Channel / 15MHz / QPSK



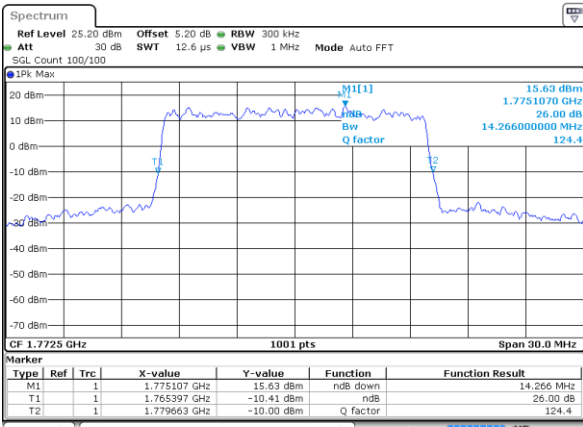
Date: 2 AUG 2020 05:52:57

Middle Channel / 15MHz / 16QAM



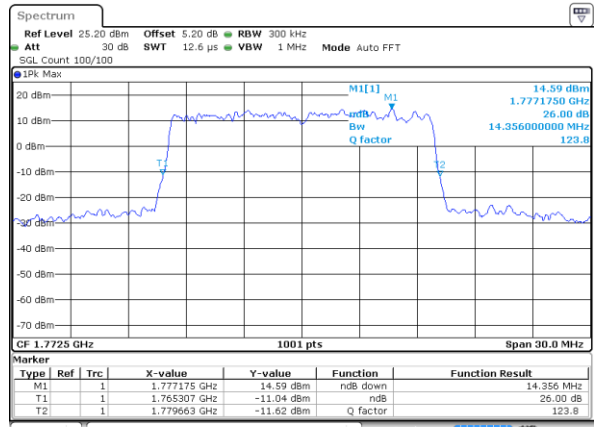
Date: 2 AUG 2020 05:53:09

Highest Channel / 15MHz / QPSK



Date: 2 AUG 2020 05:54:03

Highest Channel / 15MHz / 16QAM

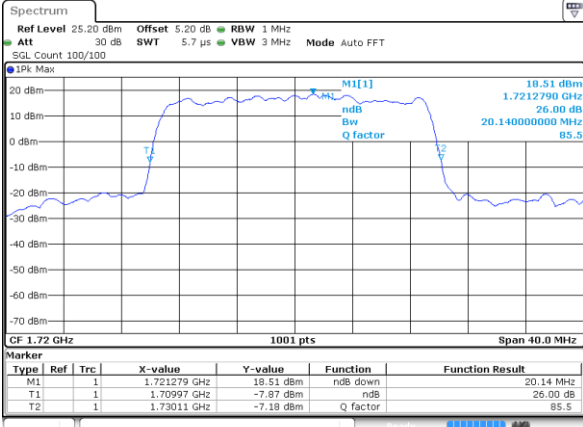


Date: 2 AUG 2020 05:54:26



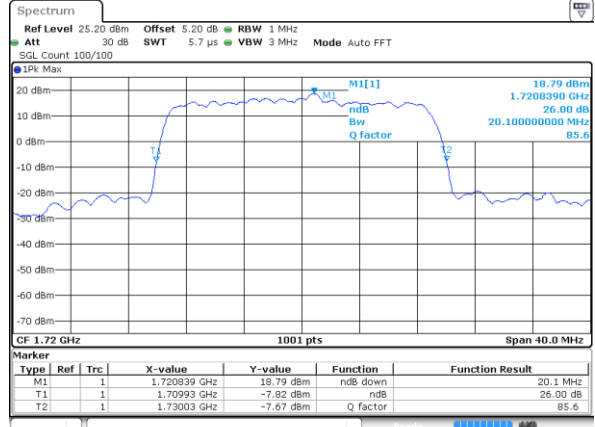
LTE Band 66

Lowest Channel / 20MHz / QPSK



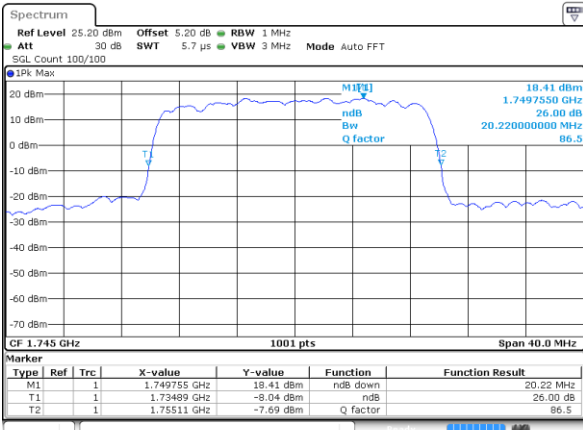
Date: 2 AUG 2020 06:01:29

Lowest Channel / 20MHz / 16QAM



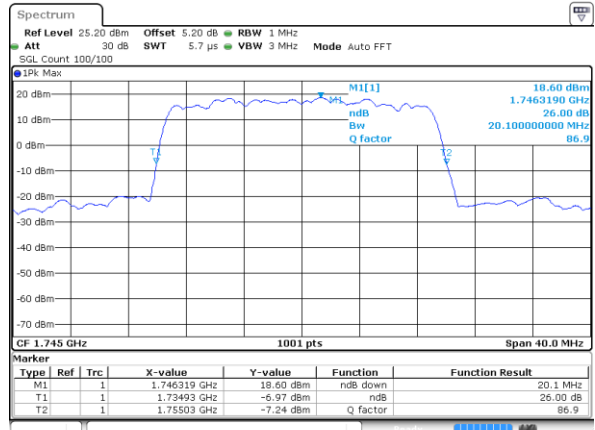
Date: 2 AUG 2020 06:02:05

Middle Channel / 20MHz / QPSK



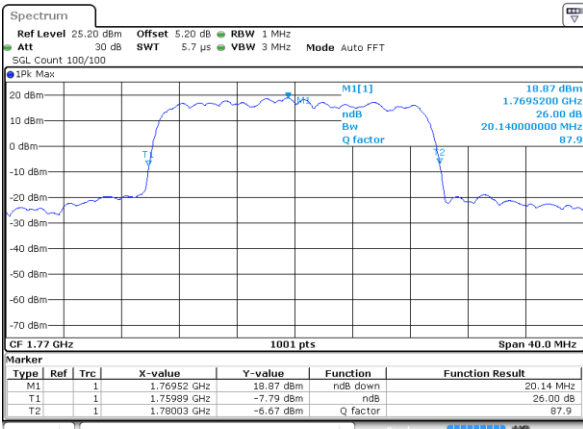
Date: 2 AUG 2020 06:18:12

Middle Channel / 20MHz / 16QAM



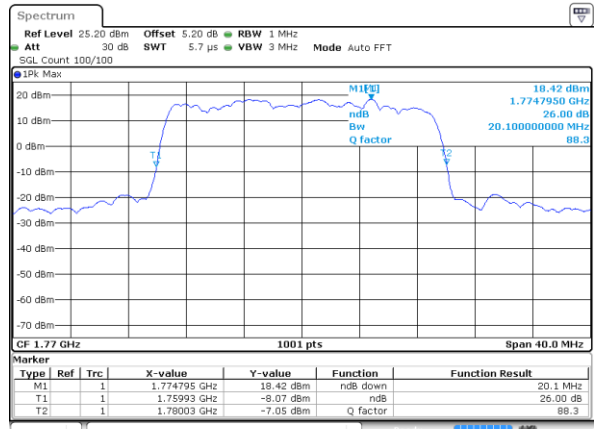
Date: 2 AUG 2020 06:18:26

Highest Channel / 20MHz / QPSK



Date: 2 AUG 2020 06:11:38

Highest Channel / 20MHz / 16QAM



Date: 2 AUG 2020 06:12:21



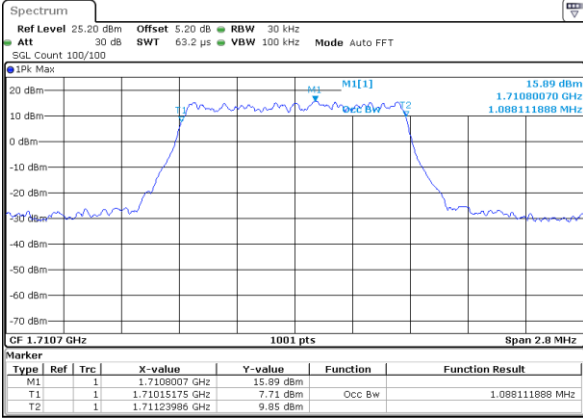
## Occupied Bandwidth

Mode	LTE Band 66 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.73	2.70	4.47	4.51	8.97	9.01	13.49	13.46	18.22	18.26
Middle CH	1.09	1.09	2.73	2.72	4.49	4.47	9.01	9.03	13.49	13.31	18.30	18.22
Highest CH	1.09	1.09	2.72	2.70	4.48	4.51	8.99	8.99	13.40	13.49	18.26	18.18



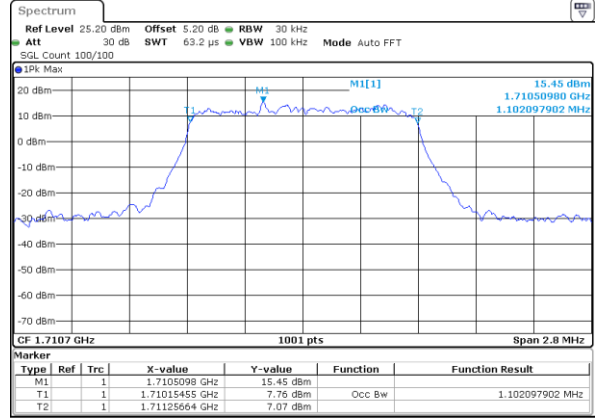
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



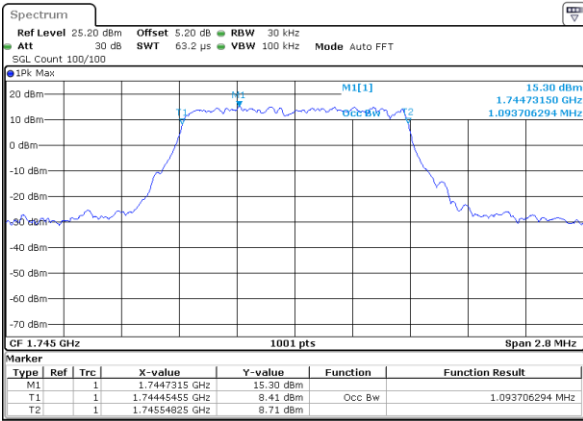
Date: 2 AUG 2020 04:29:27

Lowest Channel / 1.4MHz / 16QAM



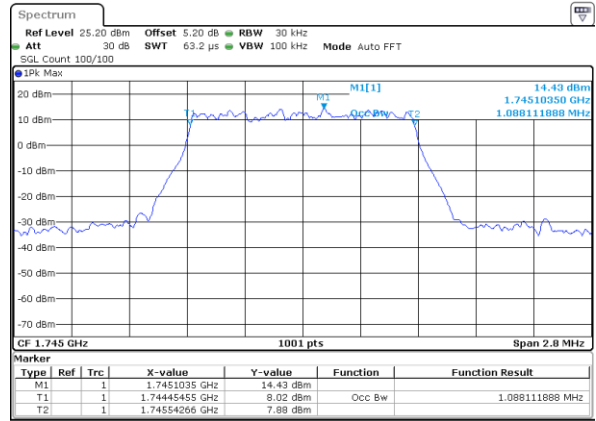
Date: 2 AUG 2020 04:30:45

Middle Channel / 1.4MHz / QPSK



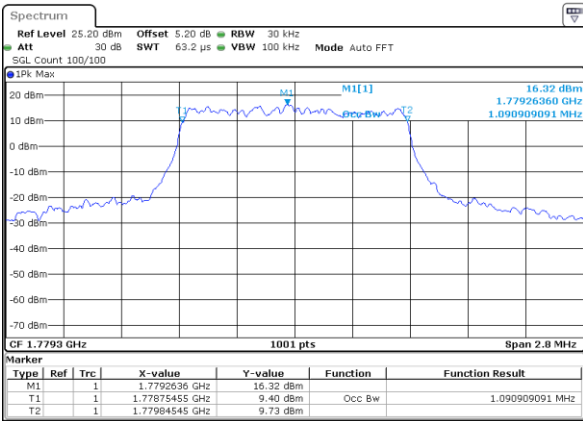
Date: 2 AUG 2020 04:41:11

Middle Channel / 1.4MHz / 16QAM



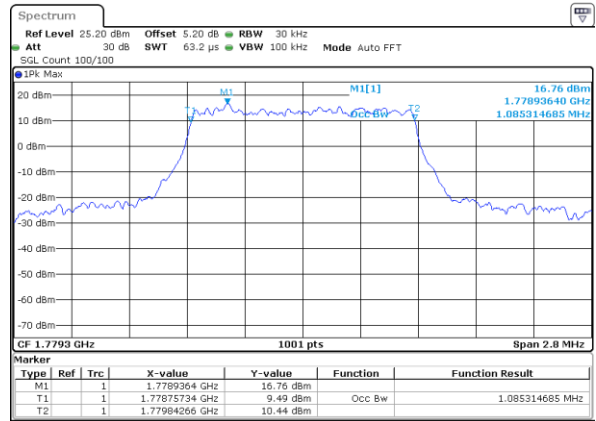
Date: 2 AUG 2020 04:40:55

Highest Channel / 1.4MHz / QPSK



Date: 2 AUG 2020 04:41:33

Highest Channel / 1.4MHz / 16QAM



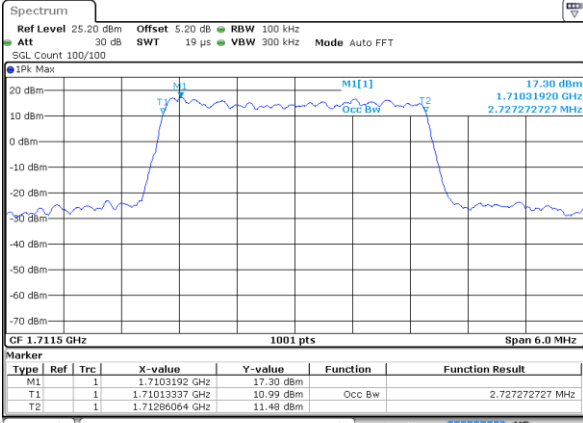
Date: 2 AUG 2020 04:50:42





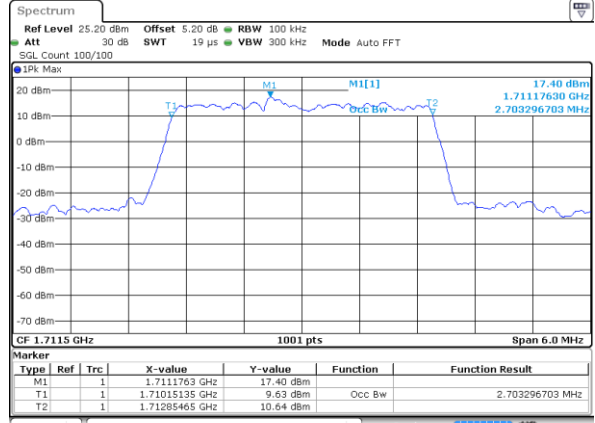
LTE Band 66

Lowest Channel / 3MHz / QPSK



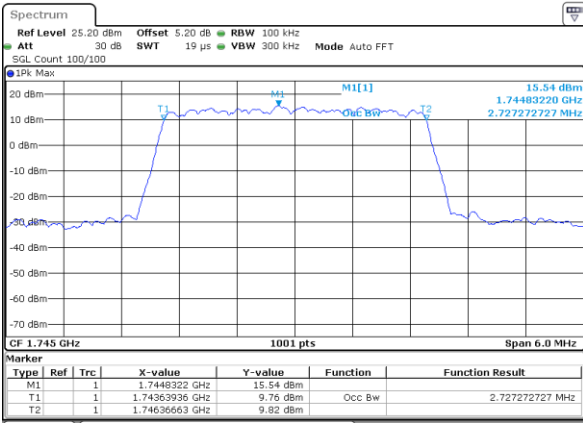
Date: 2 AUG 2020 04:56:35

Lowest Channel / 3MHz / 16QAM



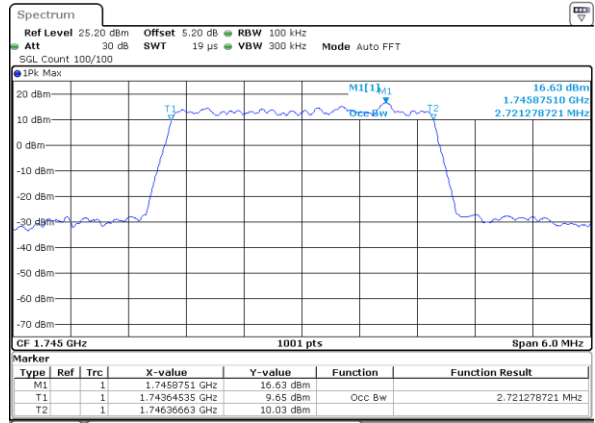
Date: 2 AUG 2020 04:57:24

Middle Channel / 3MHz / QPSK



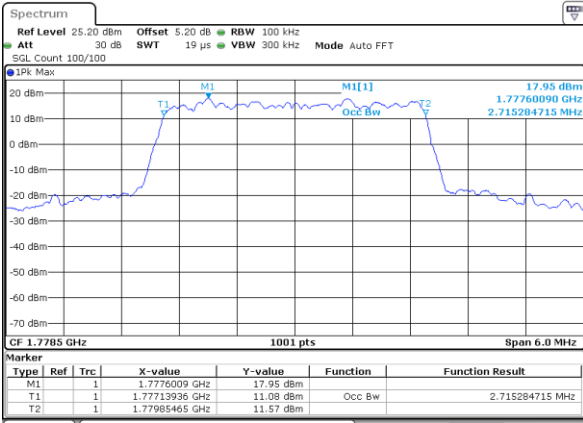
Date: 2 AUG 2020 05:05:33

Middle Channel / 3MHz / 16QAM



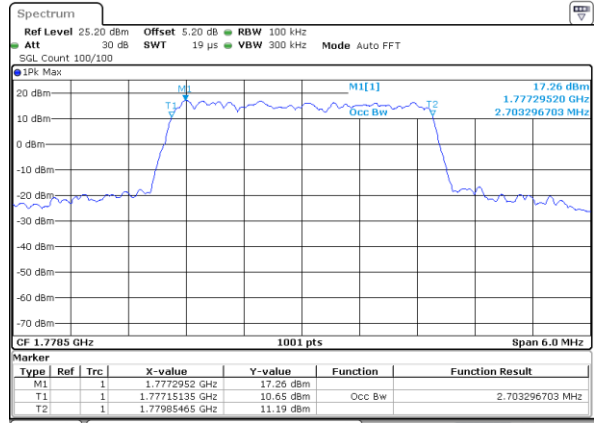
Date: 2 AUG 2020 05:05:21

Highest Channel / 3MHz / QPSK



Date: 2 AUG 2020 05:07:46

Highest Channel / 3MHz / 16QAM

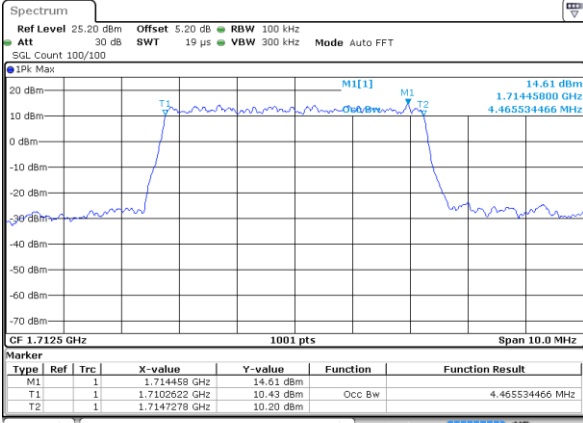


Date: 2 AUG 2020 05:07:32



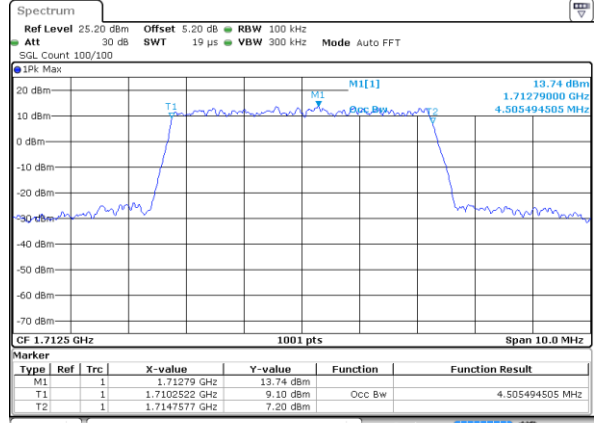
LTE Band 66

Lowest Channel / 5MHz / QPSK



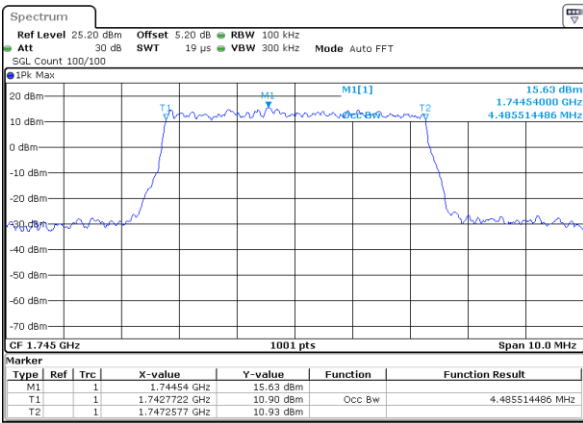
Date: 2 AUG 2020 05:16:29

Lowest Channel / 5MHz / 16QAM



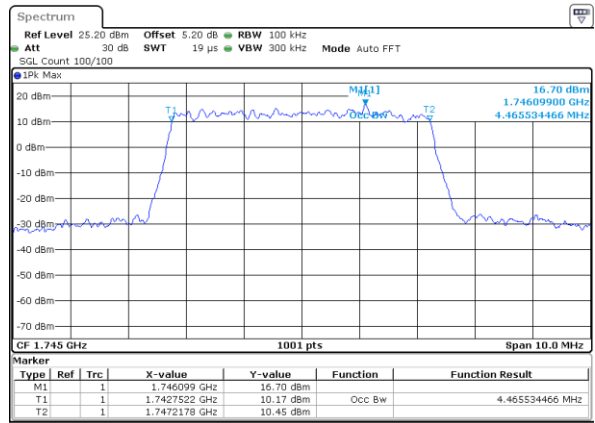
Date: 2 AUG 2020 05:15:59

Middle Channel / 5MHz / QPSK



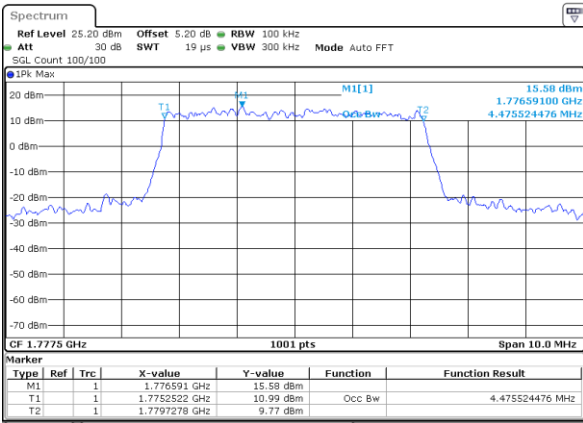
Date: 2 AUG 2020 05:25:08

Middle Channel / 5MHz / 16QAM



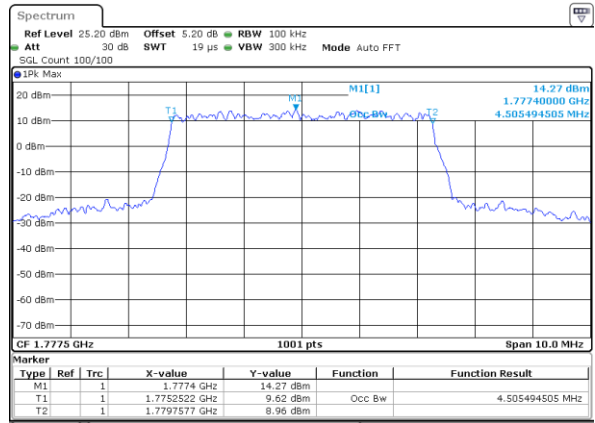
Date: 2 AUG 2020 05:25:20

Highest Channel / 5MHz / QPSK



Date: 2 AUG 2020 05:26:09

Highest Channel / 5MHz / 16QAM

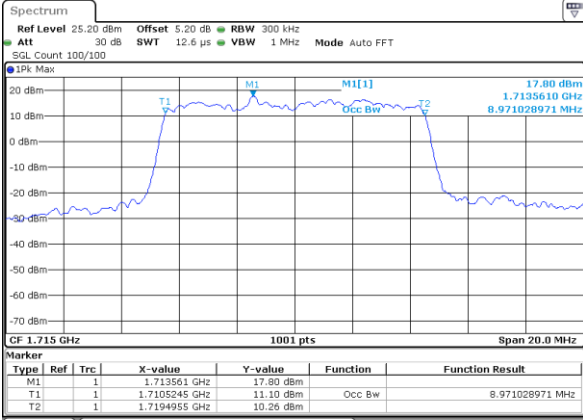


Date: 2 AUG 2020 05:26:38



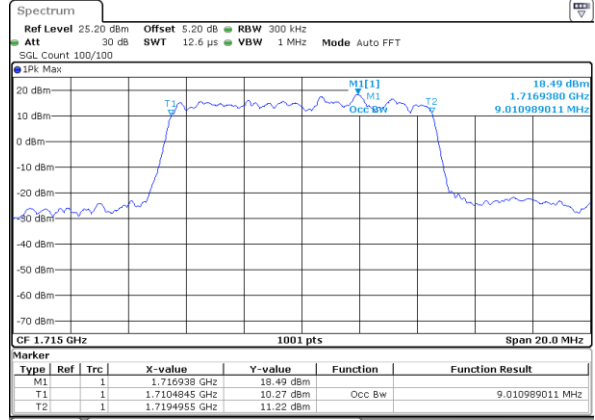
LTE Band 66

Lowest Channel / 10MHz / QPSK



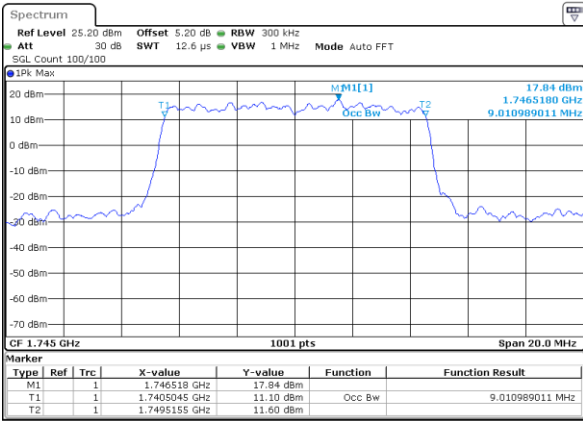
Date: 2 AUG 2020 05:33:59

Lowest Channel / 10MHz / 16QAM



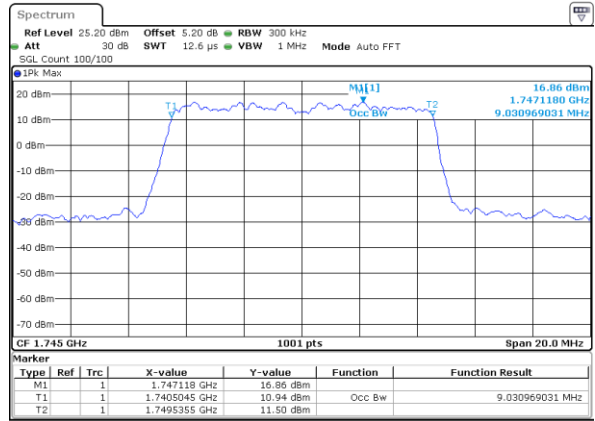
Date: 2 AUG 2020 05:33:36

Middle Channel / 10MHz / QPSK



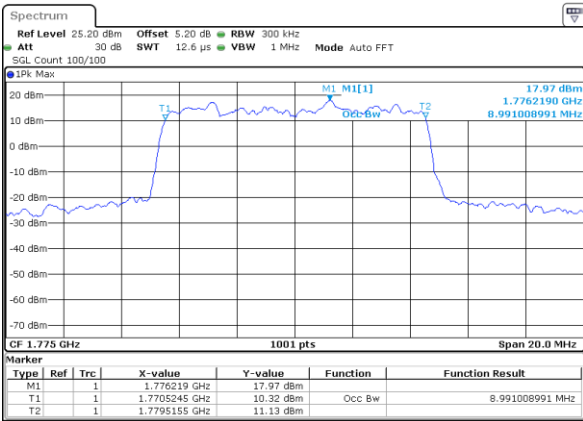
Date: 2 AUG 2020 05:39:00

Middle Channel / 10MHz / 16QAM



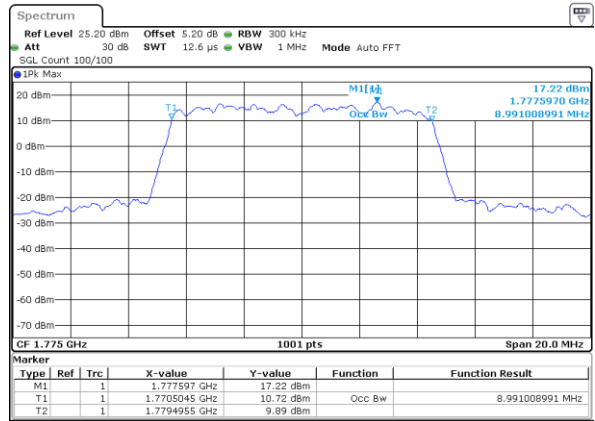
Date: 2 AUG 2020 05:39:12

Highest Channel / 10MHz / QPSK



Date: 2 AUG 2020 05:40:00

Highest Channel / 10MHz / 16QAM

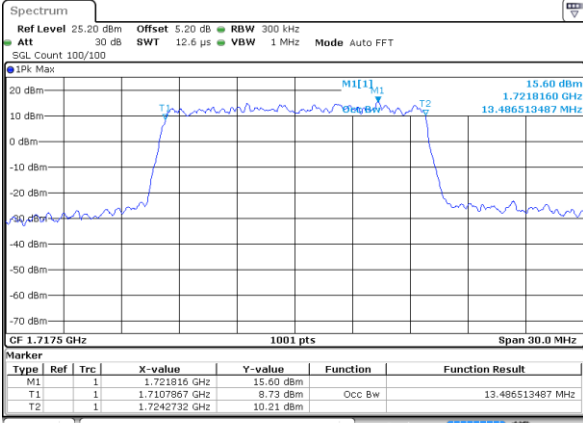


Date: 2 AUG 2020 05:40:24



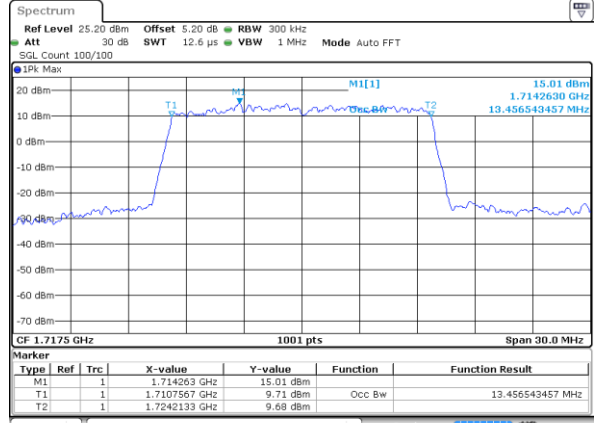
LTE Band 66

Lowest Channel / 15MHz / QPSK



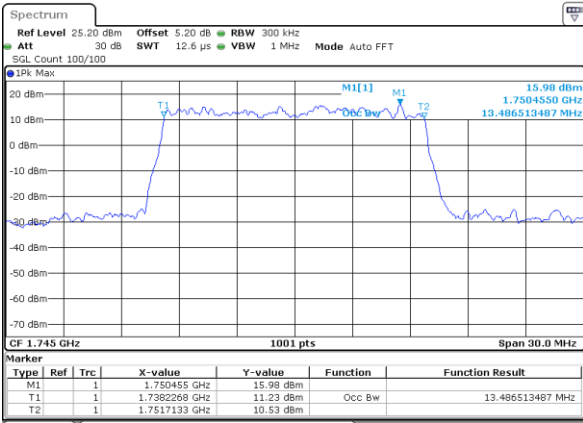
Date: 2 AUG 2020 05:46:17

Lowest Channel / 15MHz / 16QAM



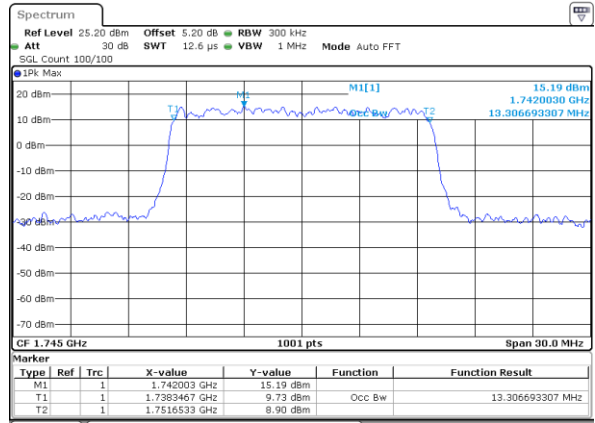
Date: 2 AUG 2020 05:46:39

Middle Channel / 15MHz / QPSK



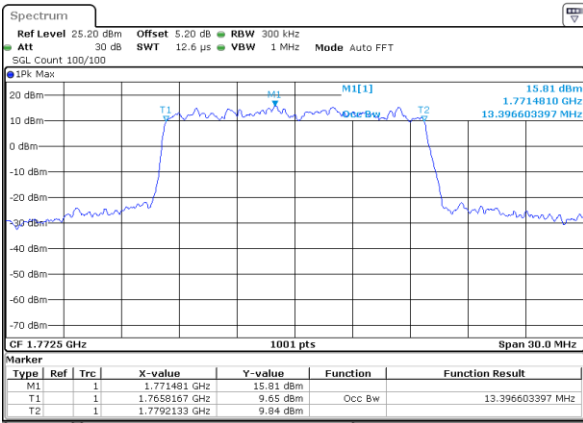
Date: 2 AUG 2020 05:52:51

Middle Channel / 15MHz / 16QAM



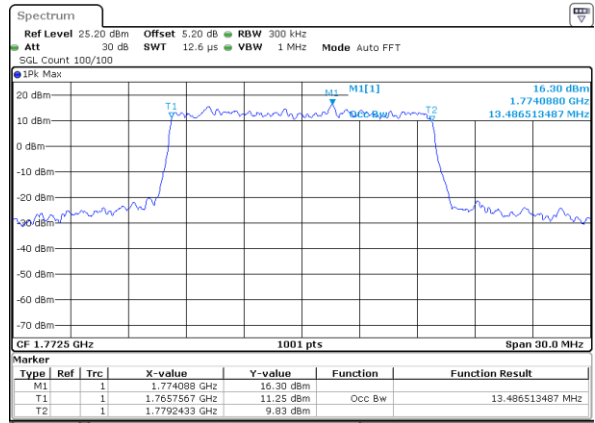
Date: 2 AUG 2020 05:53:03

Highest Channel / 15MHz / QPSK



Date: 2 AUG 2020 05:53:57

Highest Channel / 15MHz / 16QAM

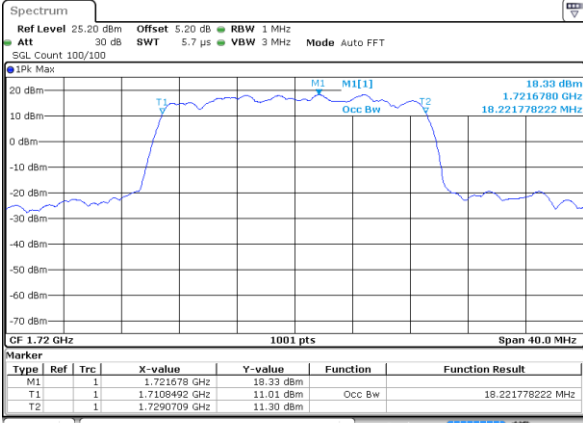


Date: 2 AUG 2020 05:54:20



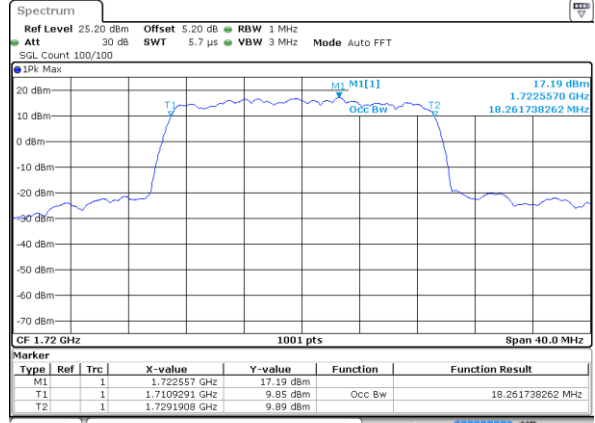
LTE Band 66

Lowest Channel / 20MHz / QPSK



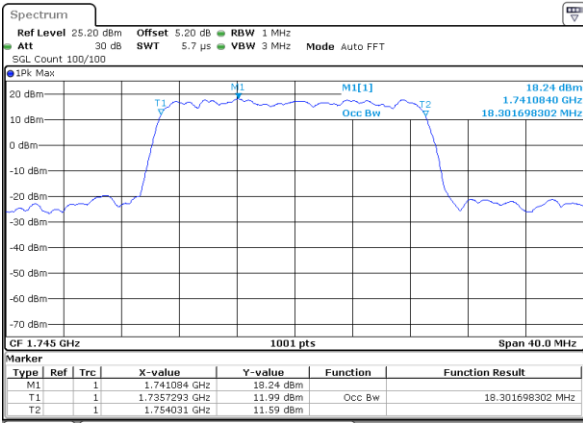
Date: 2 AUG 2020 06:01:23

Lowest Channel / 20MHz / 16QAM



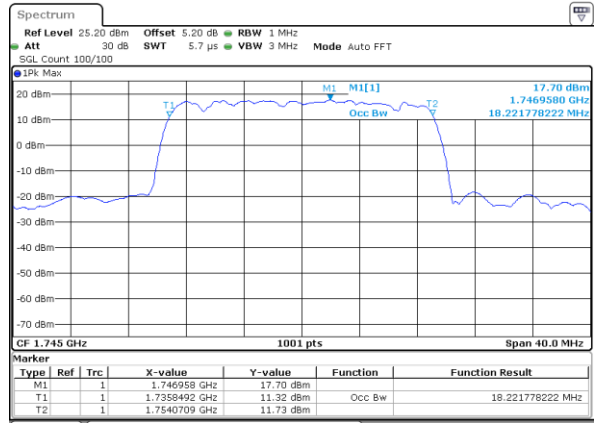
Date: 2 AUG 2020 06:01:59

Middle Channel / 20MHz / QPSK



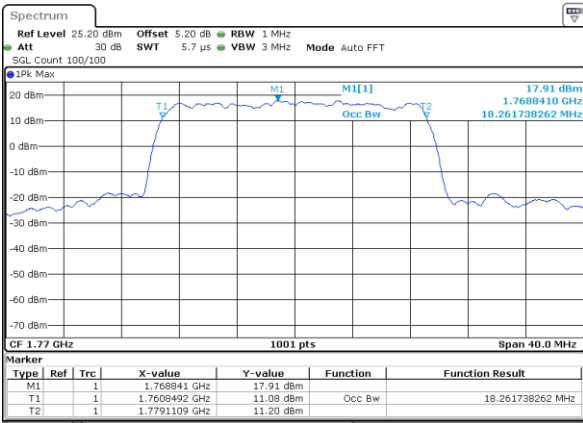
Date: 2 AUG 2020 06:18:06

Middle Channel / 20MHz / 16QAM



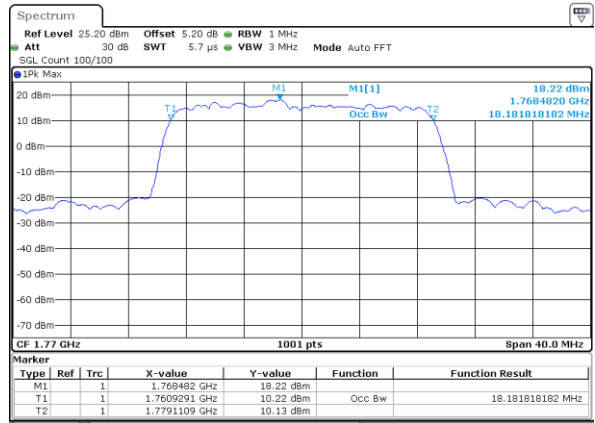
Date: 2 AUG 2020 06:18:20

Highest Channel / 20MHz / QPSK



Date: 2 AUG 2020 06:11:33

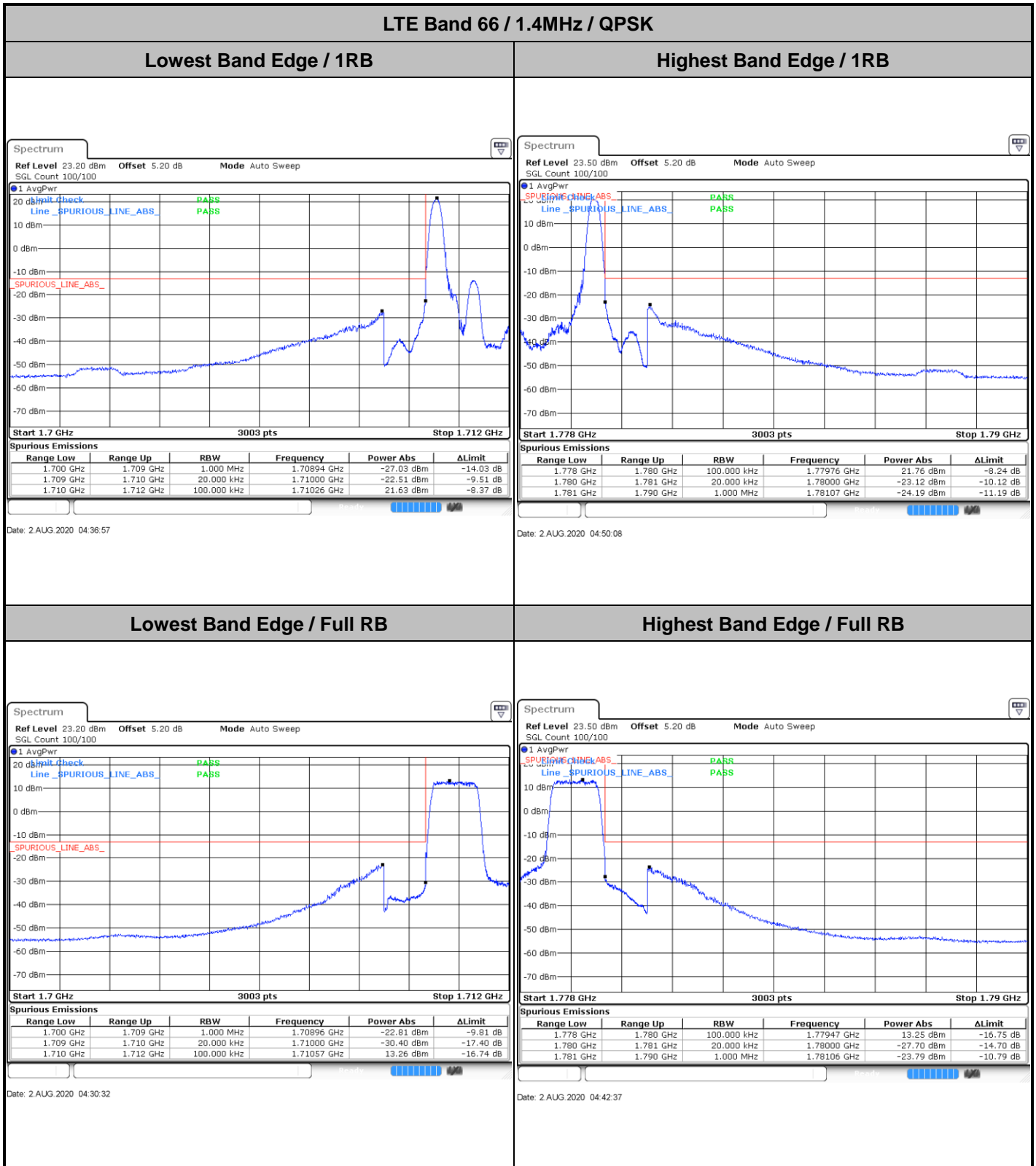
Highest Channel / 20MHz / 16QAM



Date: 2 AUG 2020 06:12:15



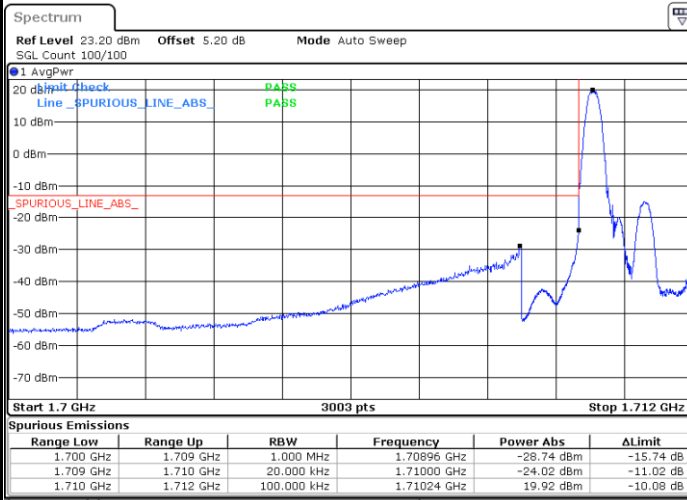
# Conducted Band Edge





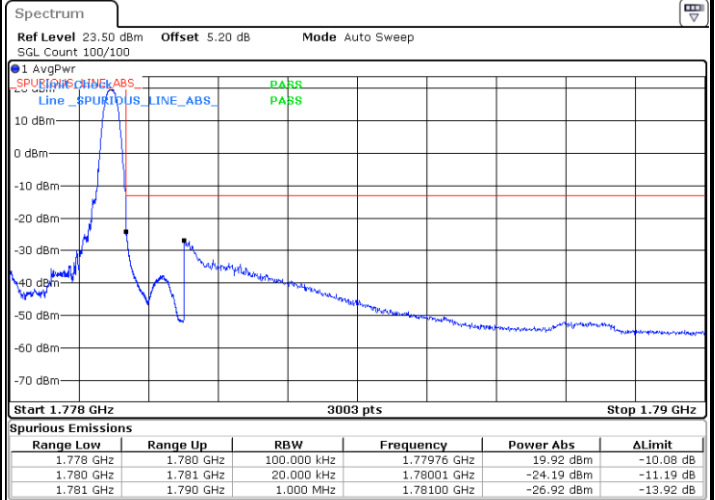
LTE Band 66 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



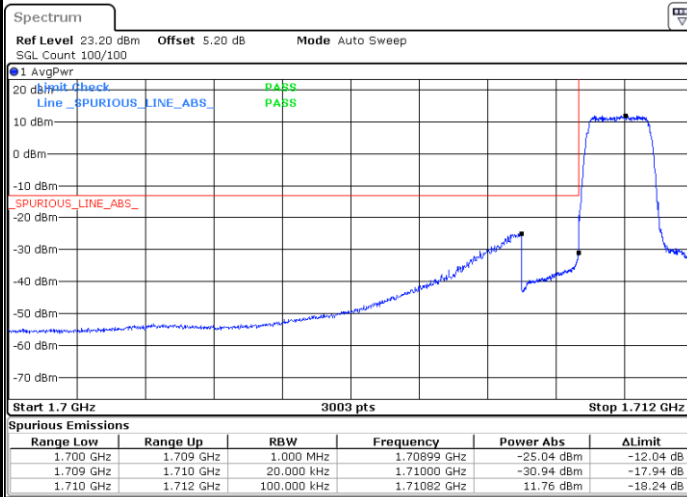
Date: 2 AUG.2020 04:53:06

Highest Band Edge / 1 RB



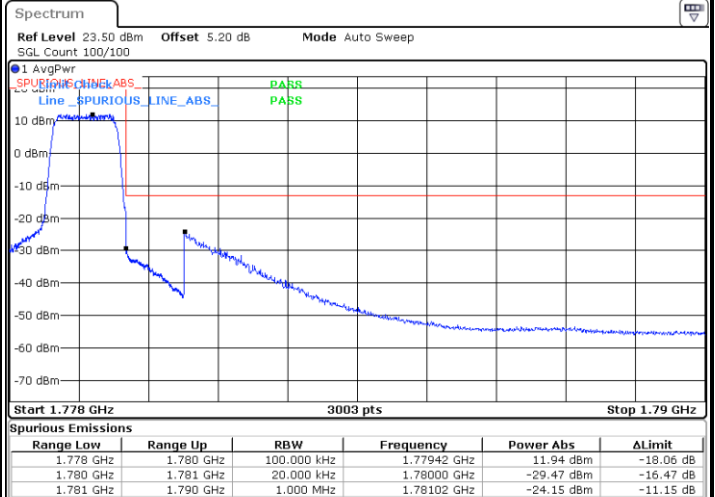
Date: 2 AUG.2020 04:48:45

Lowest Band Edge / Full RB



Date: 2 AUG.2020 04:31:49

Highest Band Edge / Full RB

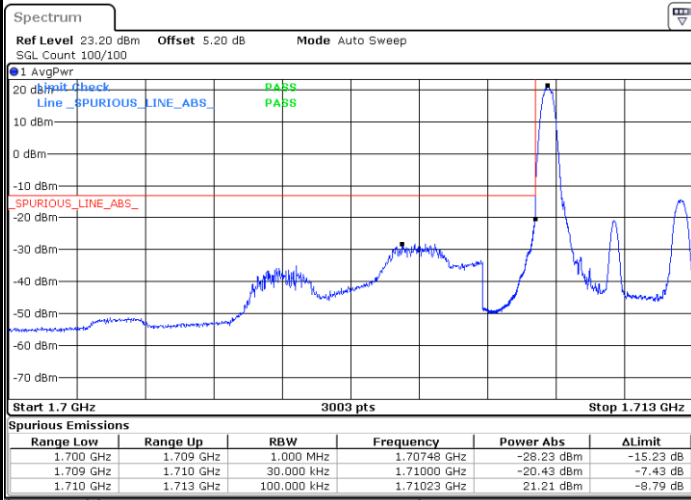


Date: 2 AUG.2020 04:44:20



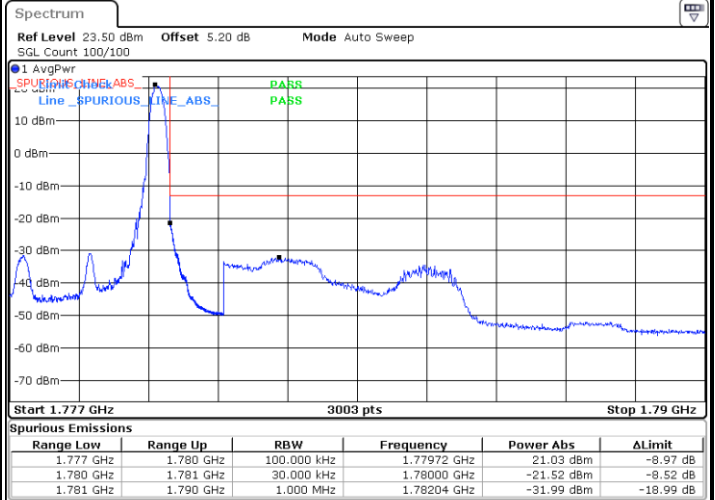
LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / 1RB



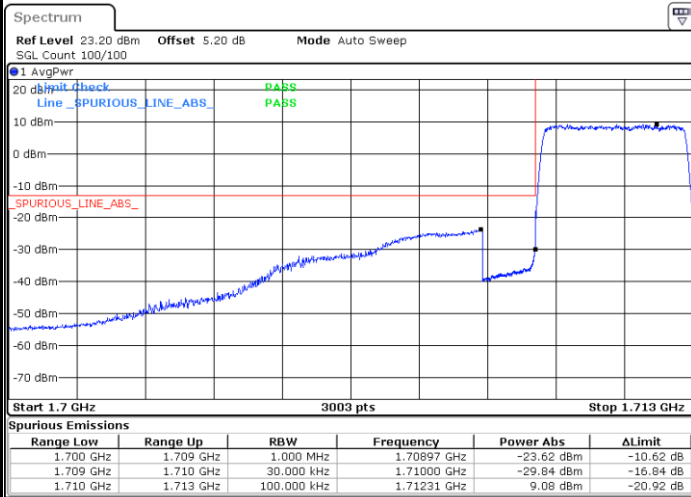
Date: 2 AUG.2020 05:02:53

Highest Band Edge / 1 RB



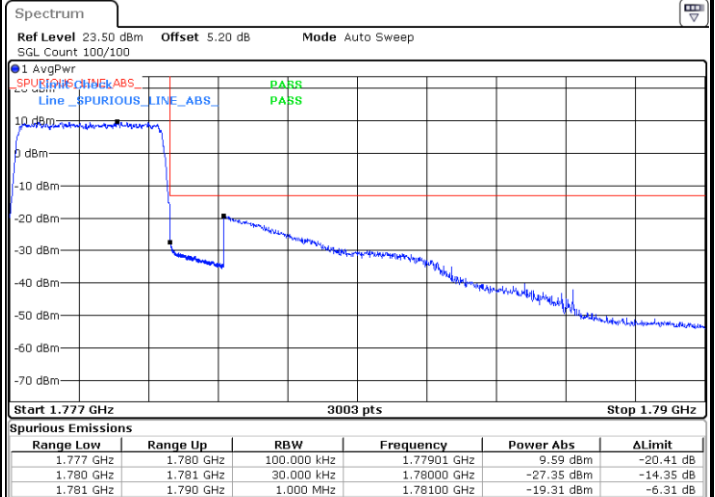
Date: 2 AUG.2020 05:12:24

Lowest Band Edge / Full RB



Date: 2 AUG.2020 04:57:11

Highest Band Edge / Full RB



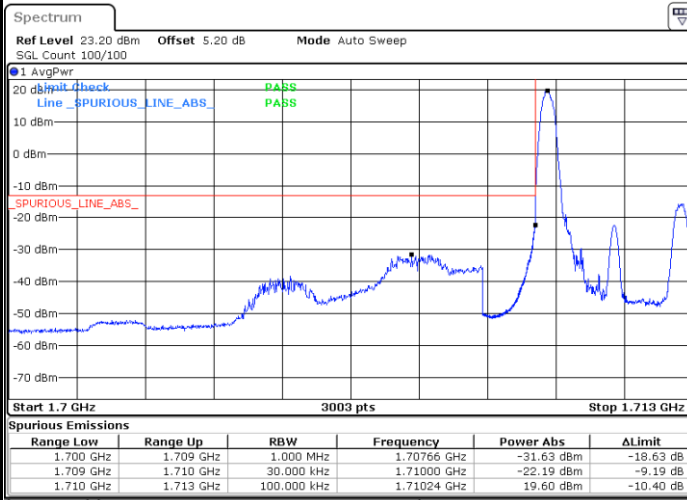
Date: 2 AUG.2020 05:08:26





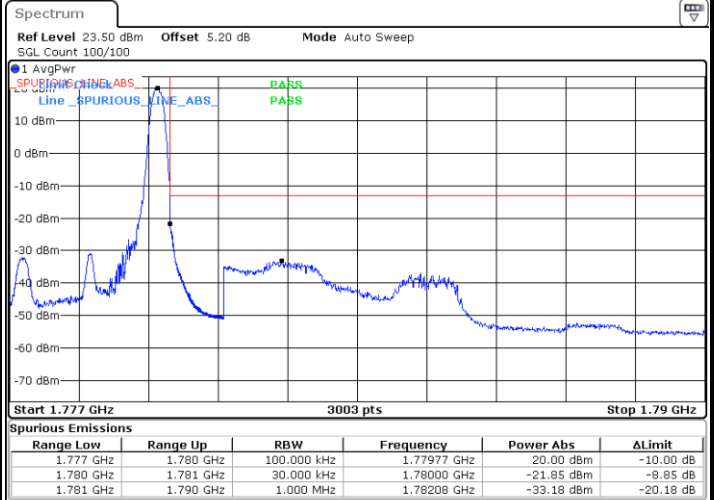
LTE Band 66 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



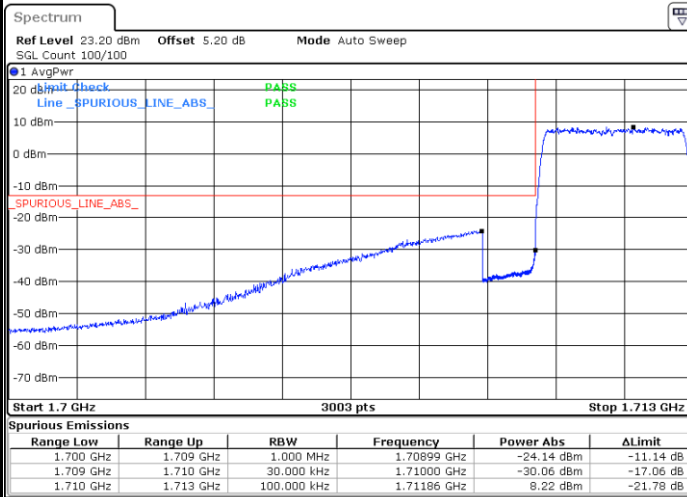
Date: 2 AUG 2020 05:01:12

Highest Band Edge / 1 RB



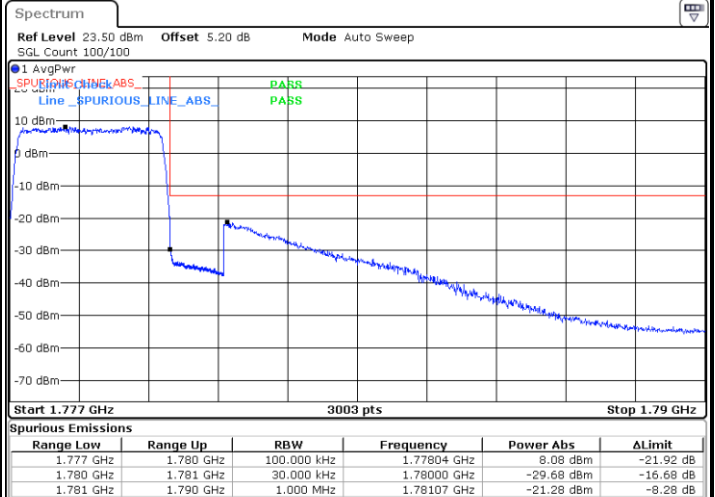
Date: 2 AUG 2020 05:13:50

Lowest Band Edge / Full RB



Date: 2 AUG 2020 04:58:00

Highest Band Edge / Full RB

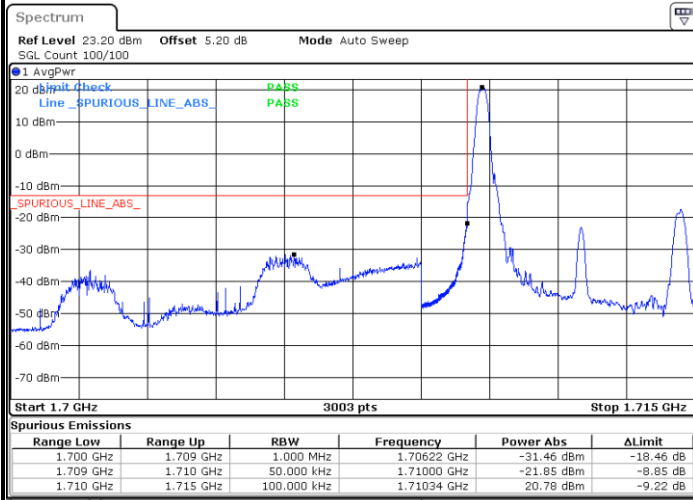


Date: 2 AUG 2020 05:07:16



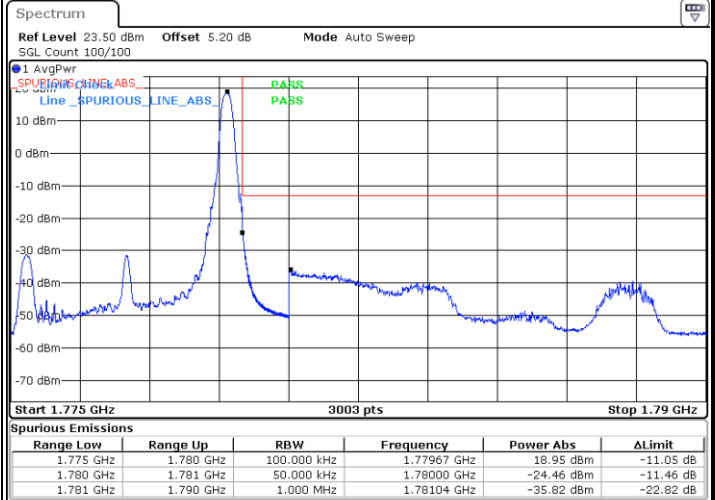
LTE Band 66 / 5MHz / QPSK

Lowest Band Edge / 1 RB



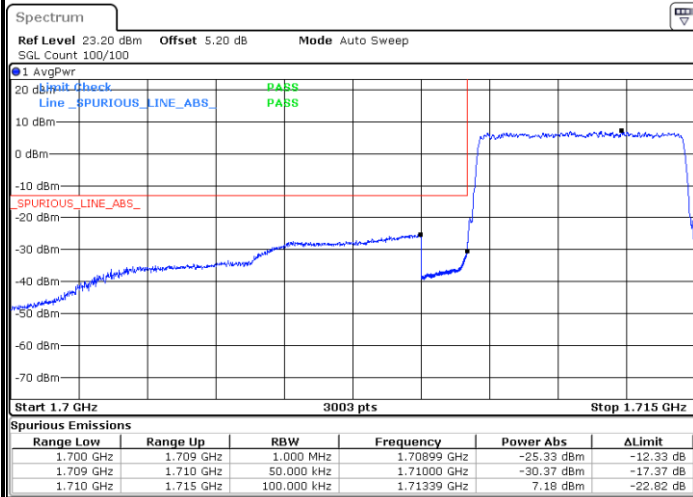
Date: 2 AUG.2020 05:18:54

Highest Band Edge / 1 RB



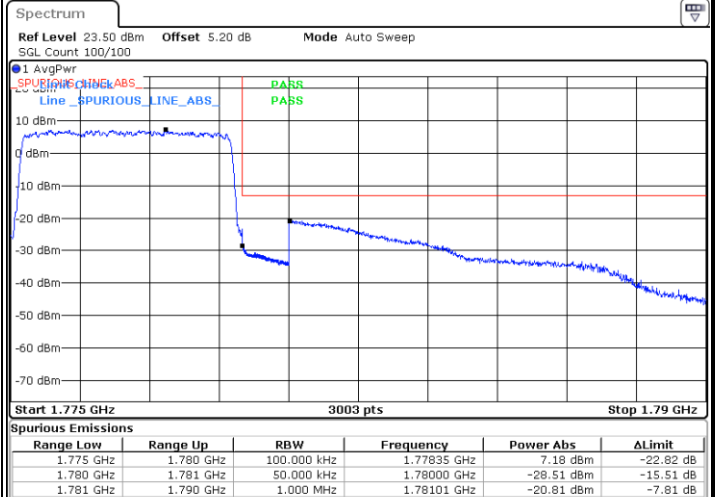
Date: 2 AUG.2020 05:31:03

Lowest Band Edge / Full RB



Date: 2 AUG.2020 05:16:49

Highest Band Edge / Full RB

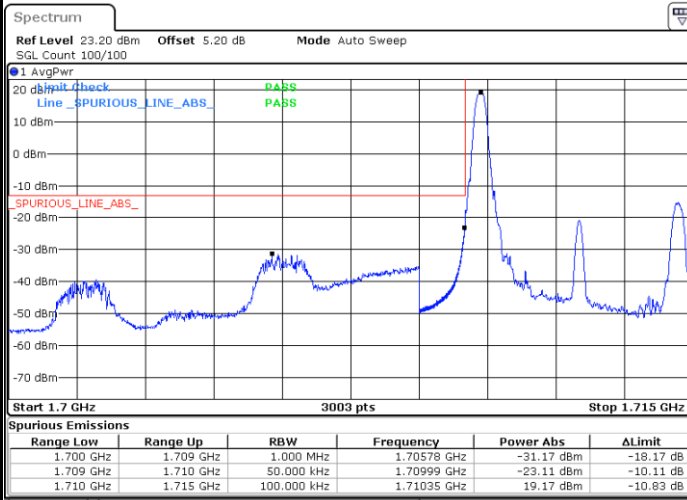


Date: 2 AUG.2020 05:26:30



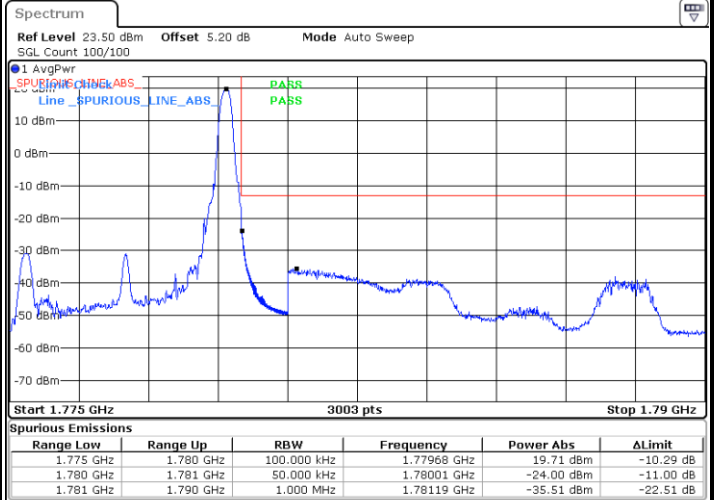
LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / 1RB



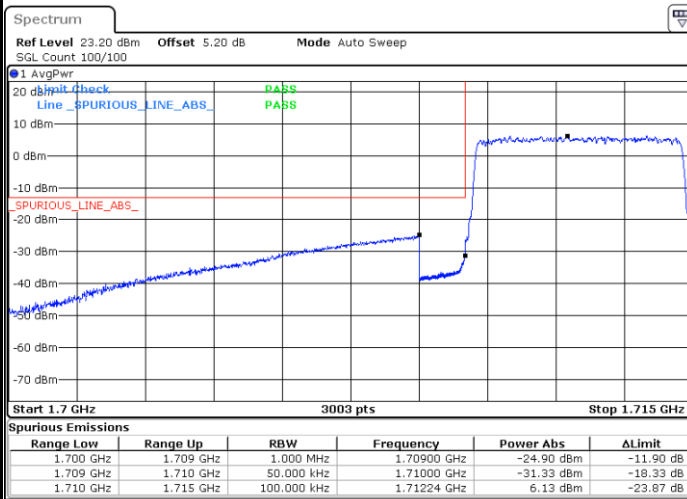
Date: 2 AUG.2020 05:18:36

Highest Band Edge / 1 RB



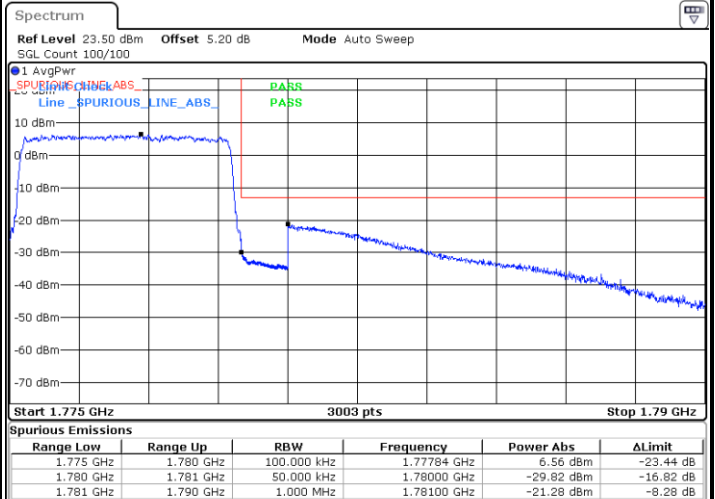
Date: 2 AUG.2020 05:31:23

Lowest Band Edge / Full RB



Date: 2 AUG.2020 05:16:20

Highest Band Edge / Full RB

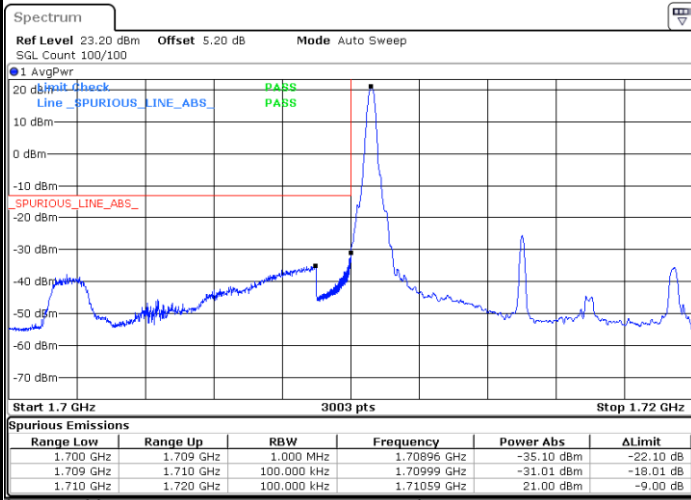


Date: 2 AUG.2020 05:26:59



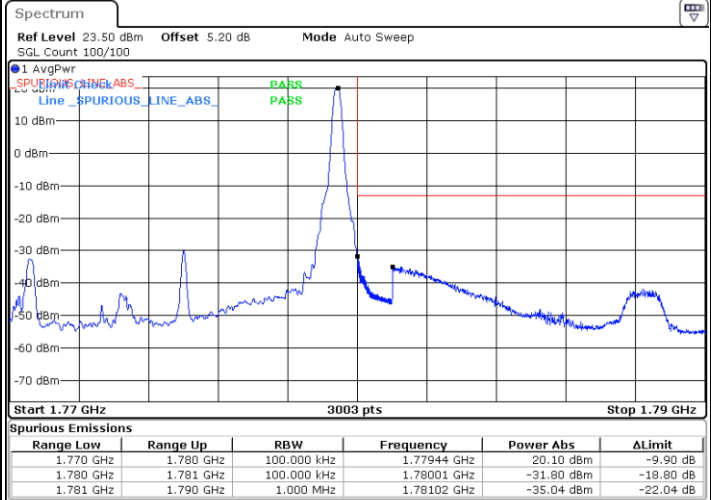
LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / 1 RB



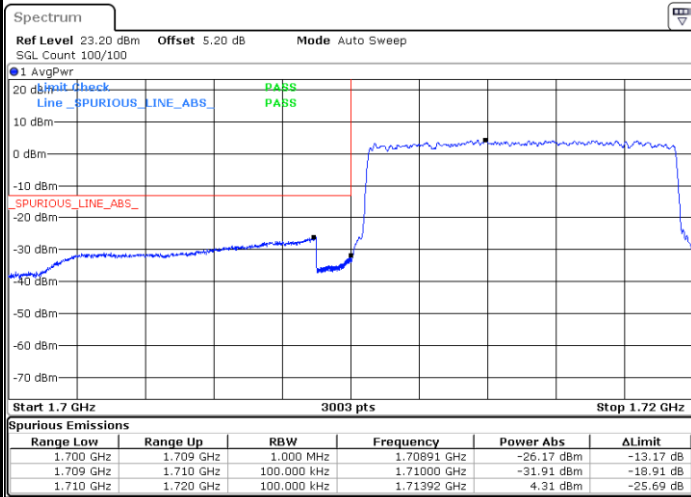
Date: 2 AUG.2020 05:34:31

Highest Band Edge / 1 RB



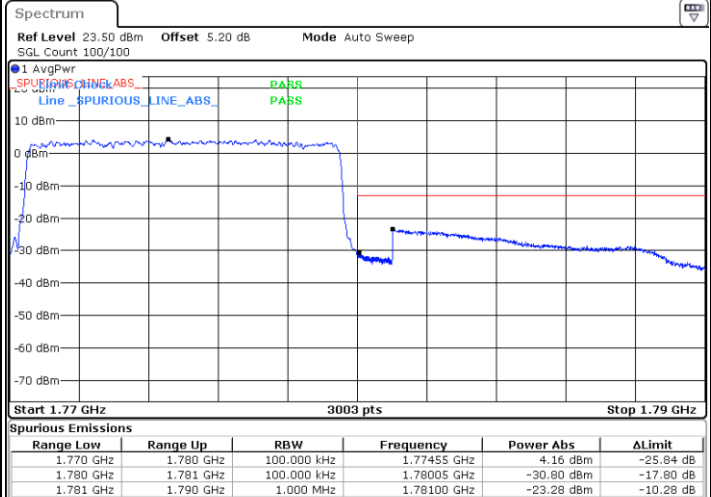
Date: 2 AUG.2020 05:44:49

Lowest Band Edge / Full RB



Date: 2 AUG.2020 05:34:14

Highest Band Edge / Full RB



Date: 2 AUG.2020 05:40:15