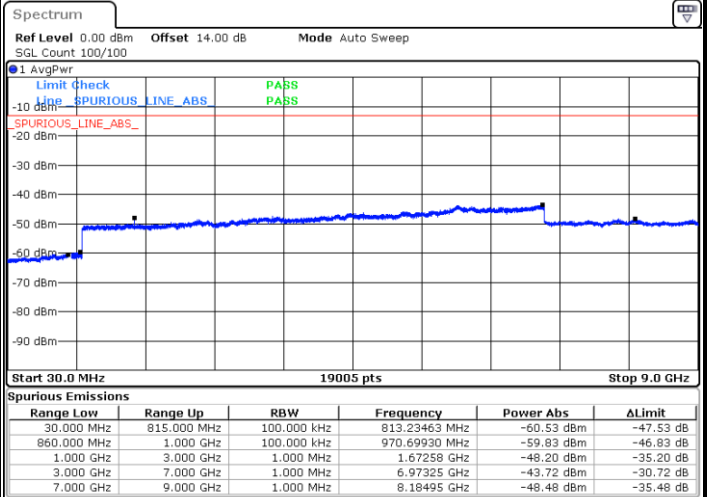
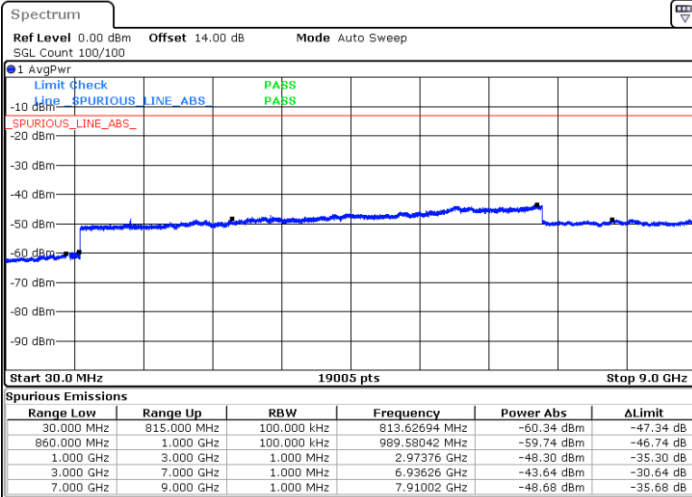




LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM

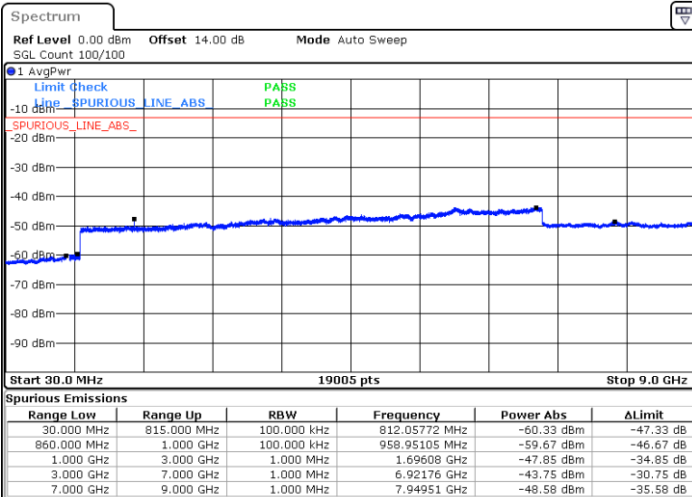
Middle Channel / 64QAM



Date: 18. DEC. 2020 16:40:23

Date: 18. DEC. 2020 16:41:54

Highest Channel / 64QAM

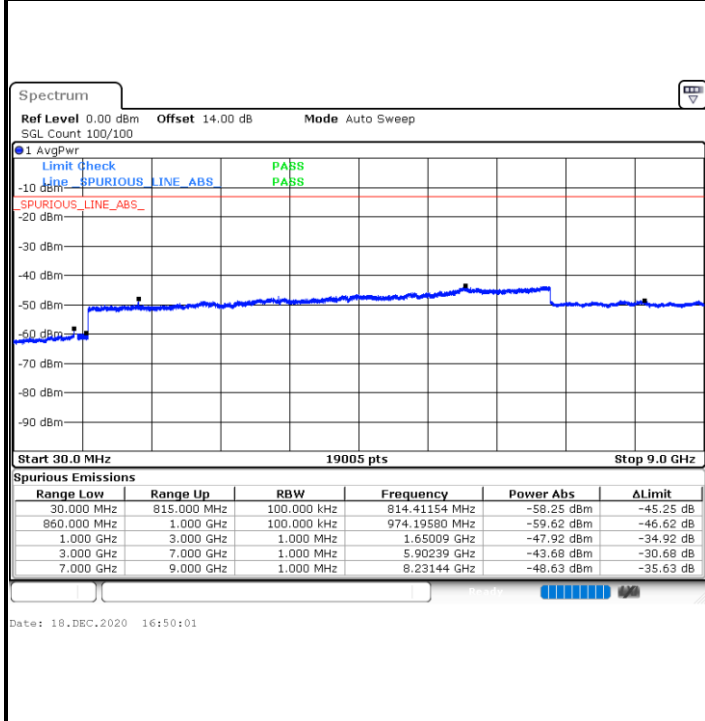


Date: 18. DEC. 2020 16:46:12

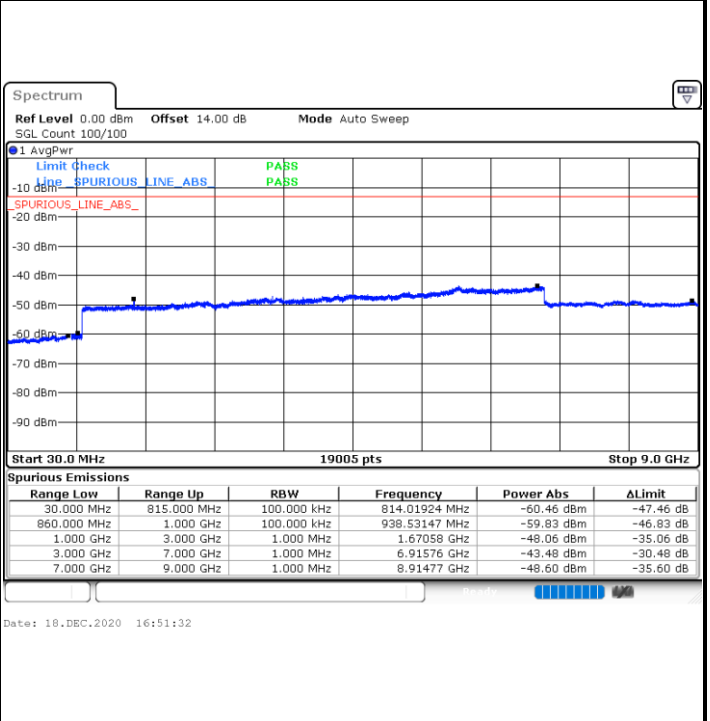


**LTE Band 26 / 3MHz**

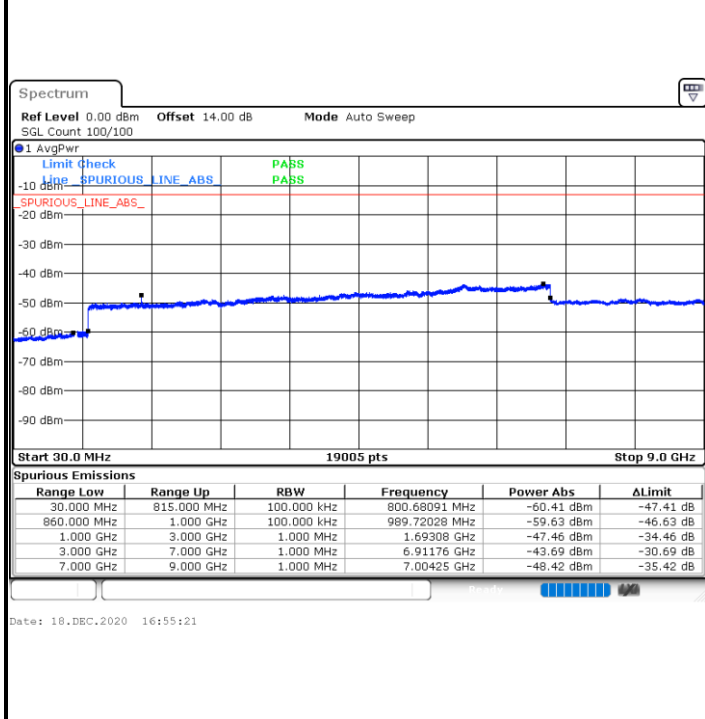
**Lowest Channel / 64QAM**



**Middle Channel / 64QAM**



**Highest Channel / 64QAM**

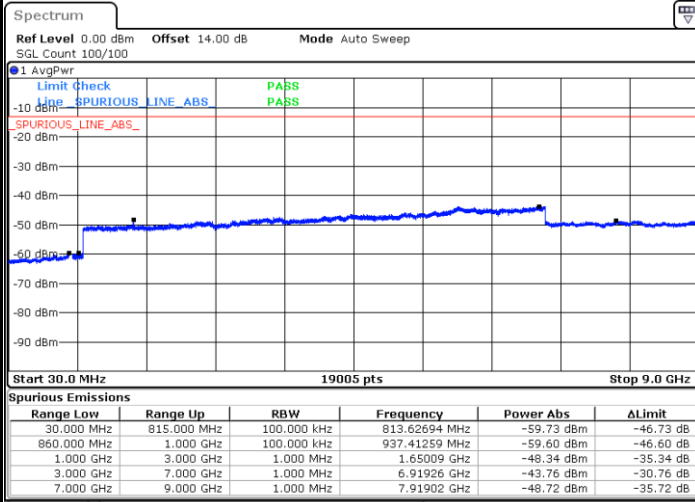




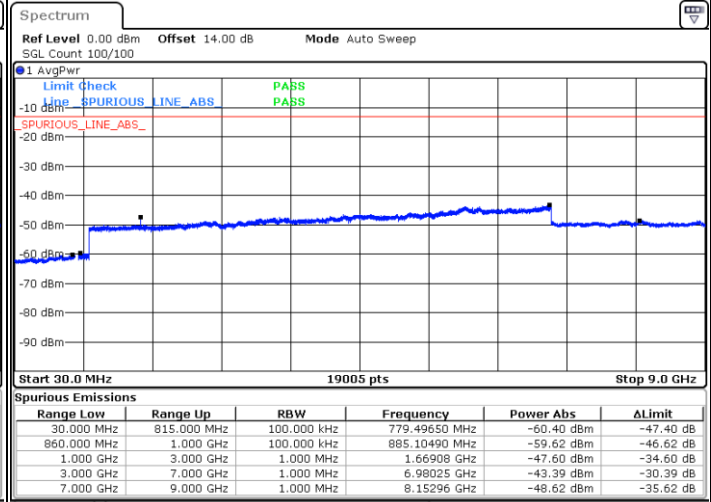
LTE Band 26 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

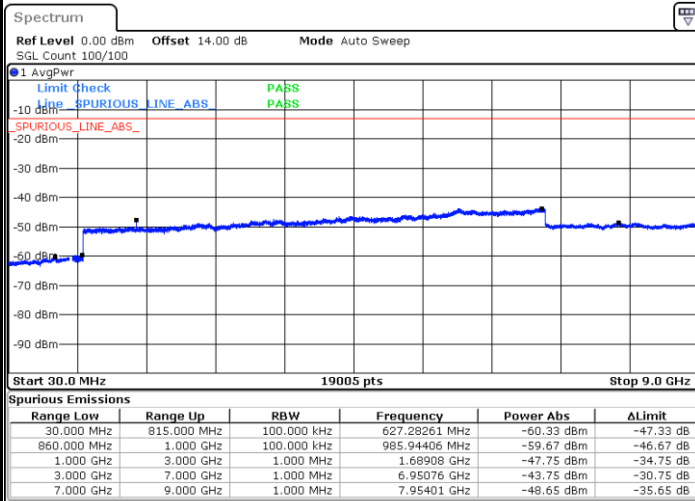


Date: 18.DEC.2020 16:59:10



Date: 18.DEC.2020 17:00:42

Highest Channel / 64QAM

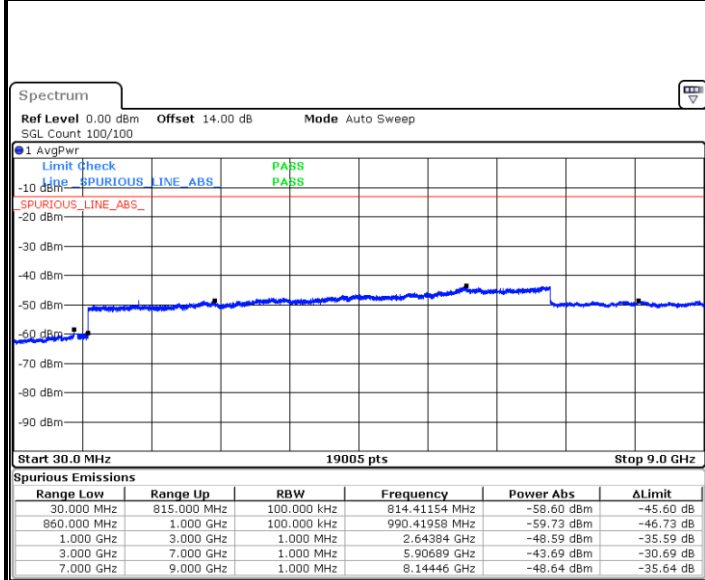


Date: 18.DEC.2020 17:04:31



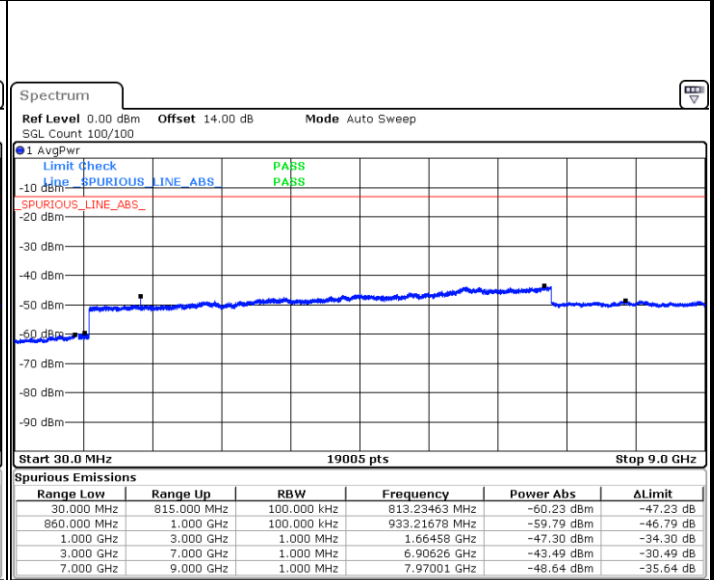
**LTE Band 26 / 10MHz**

**Lowest Channel / 64QAM**



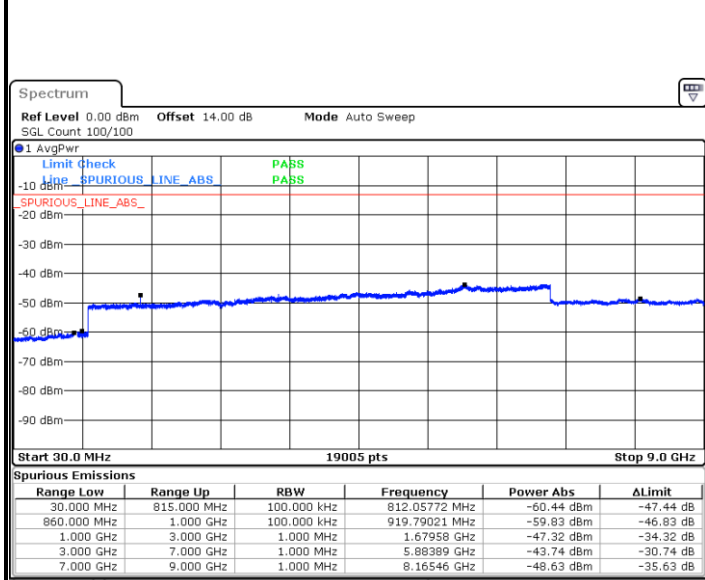
Date: 18.DEC.2020 17:08:20

**Middle Channel / 64QAM**



Date: 18.DEC.2020 17:09:51

**Highest Channel / 64QAM**



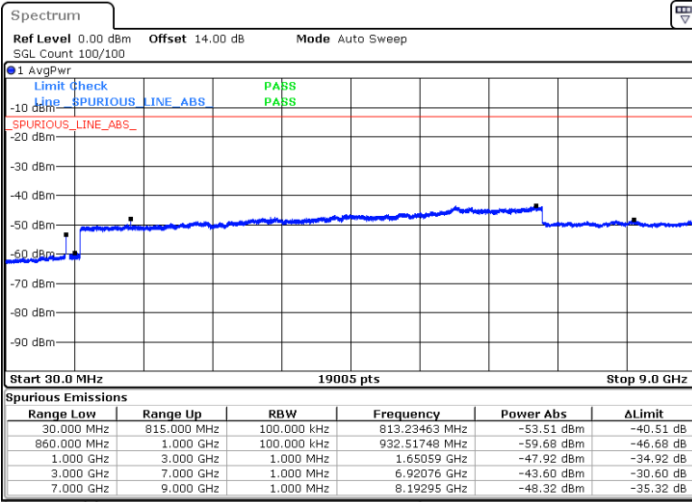
Date: 18.DEC.2020 17:13:40



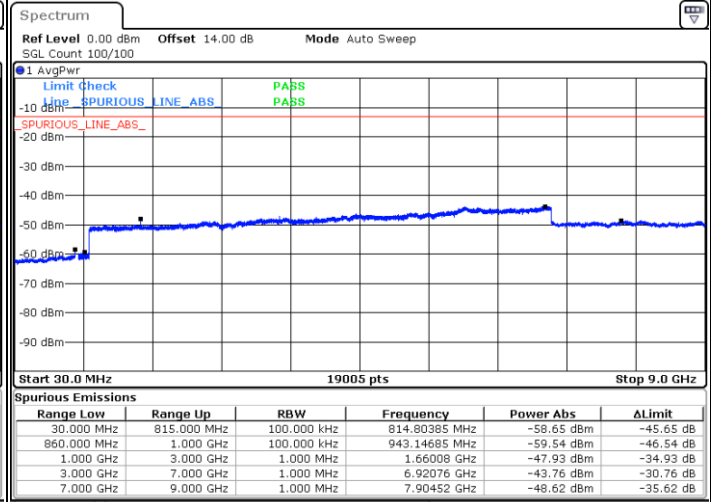
LTE Band 26 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

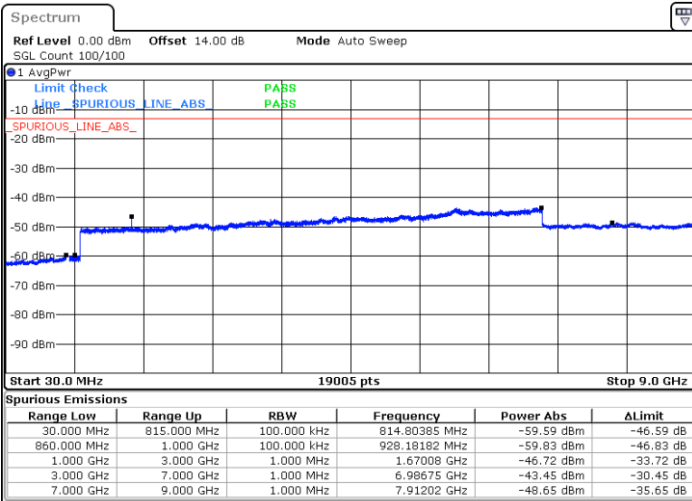


Date: 18.DEC.2020 17:17:29



Date: 18.DEC.2020 17:19:00

Highest Channel / 64QAM



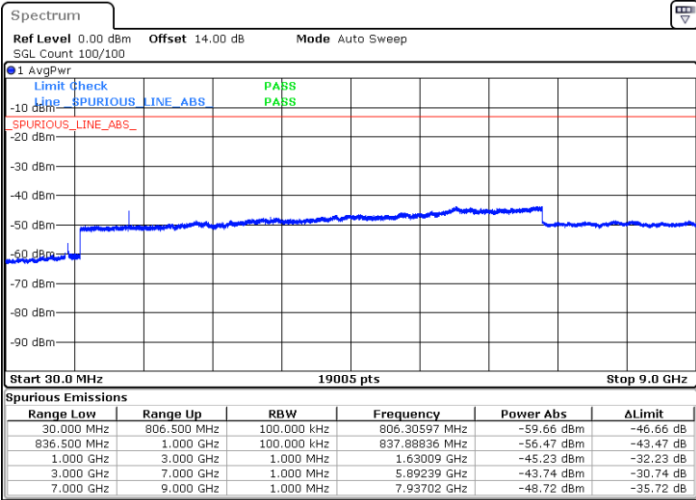
Date: 18.DEC.2020 17:22:49



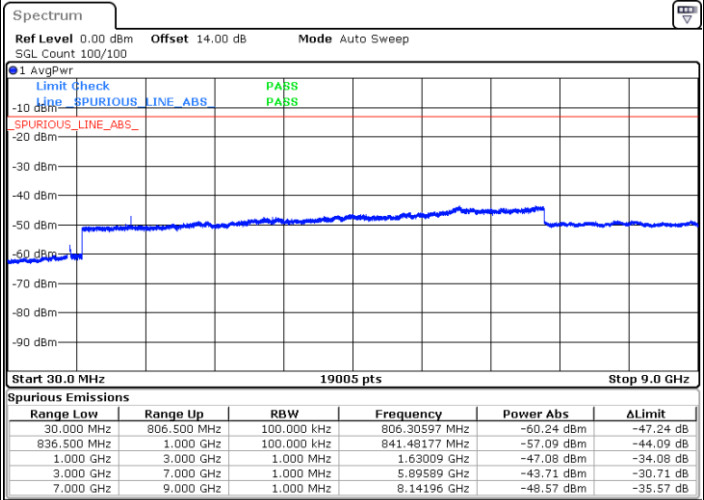
LTE Band 26 / 15MHz

CH26765 / QPSK

CH26765 / 16QAM

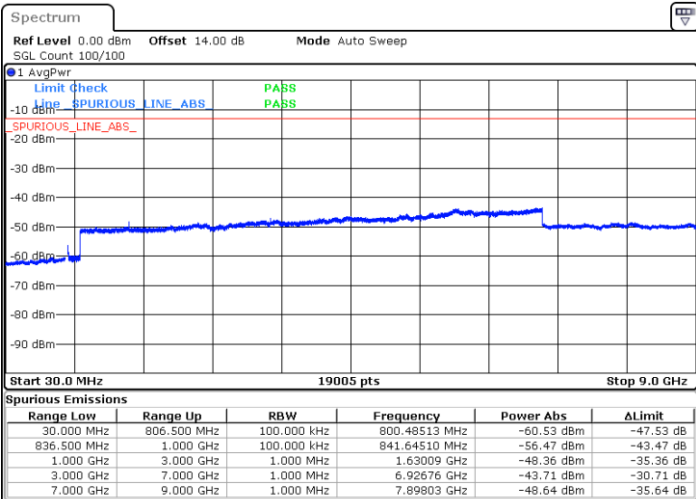


Date: 18.DEC.2020 11:25:15



Date: 18.DEC.2020 11:26:27

CH26765 / 64QAM



Date: 18.DEC.2020 11:50:54



Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0057	PASS
40	Normal Voltage	0.0049	
30	Normal Voltage	0.0086	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0038	
0	Normal Voltage	0.0059	
-10	Normal Voltage	0.0053	
-20	Normal Voltage	0.0048	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0037	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0016	

Note: Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.14 V. ; Maximum Voltage =4.4 V.





# LTE Band 66

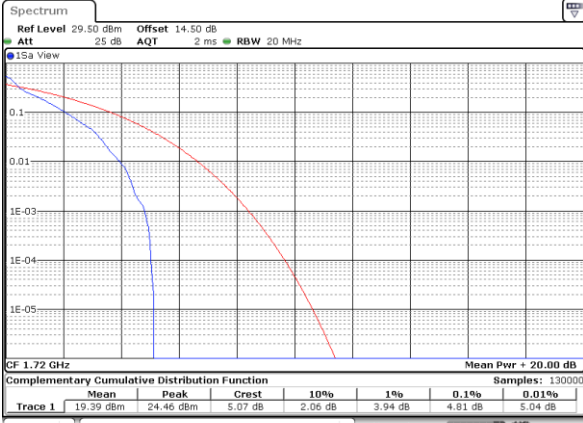
## Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.81	5.48	5.86	6.20	<b>PASS</b>
Middle CH	5.16	5.57	6.43	6.29	
Highest CH	5.10	5.42	6.70	6.17	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.03	6.32	-	-	<b>PASS</b>
Middle CH	6.43	6.49	-	-	
Highest CH	6.58	6.23	-	-	



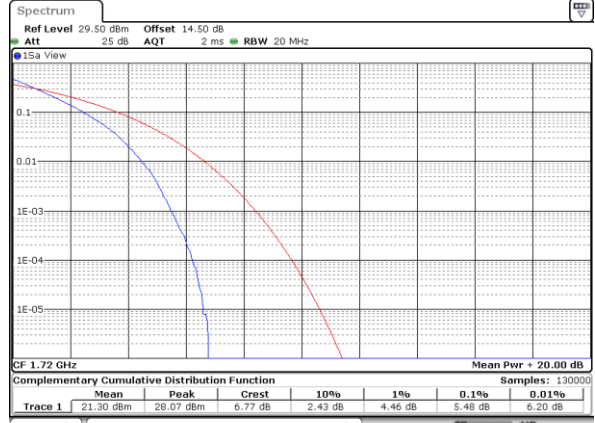
LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



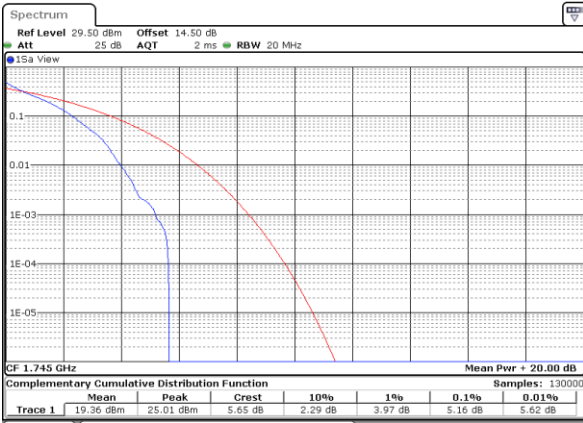
Date: 21. DEC. 2020 13:39:33

Lowest Channel / Full RB



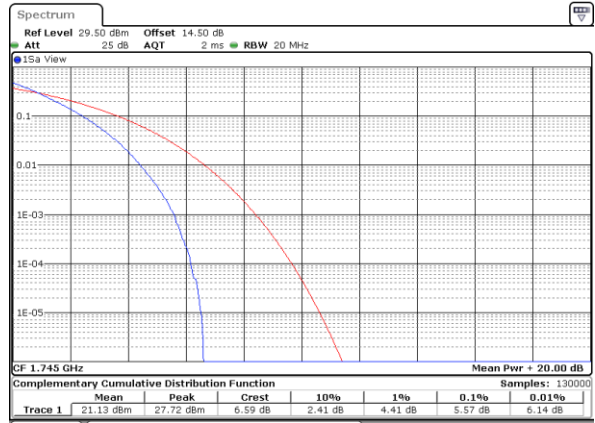
Date: 21. DEC. 2020 13:39:43

Middle Channel / 1RB



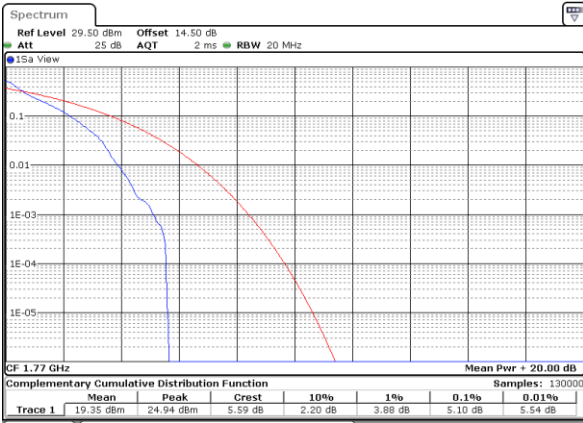
Date: 21. DEC. 2020 13:40:41

Middle Channel / Full RB



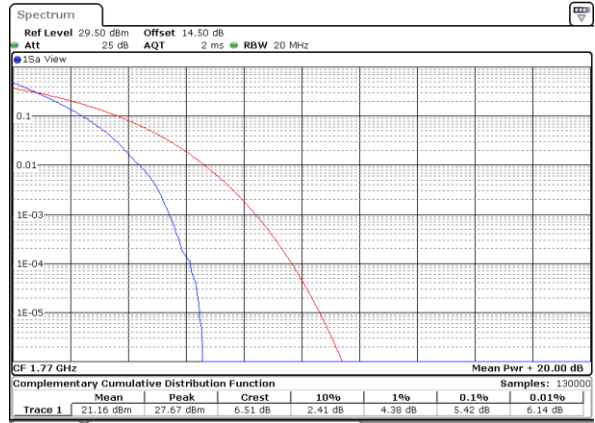
Date: 21. DEC. 2020 13:40:56

Highest Channel / 1RB



Date: 21. DEC. 2020 13:41:08

Highest Channel / Full RB

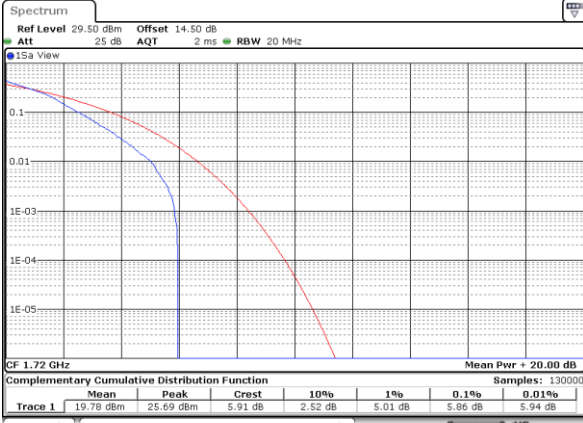


Date: 21. DEC. 2020 13:41:20



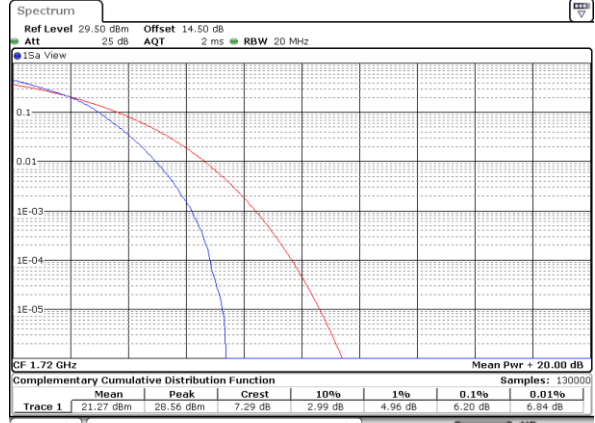
LTE Band 66 / 20MHz / 16QAM

Lowest Channel / 1RB



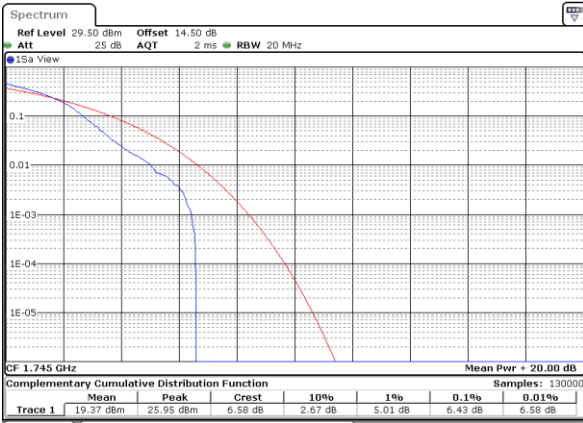
Date: 21.DEC.2020 13:38:02

Lowest Channel / Full RB



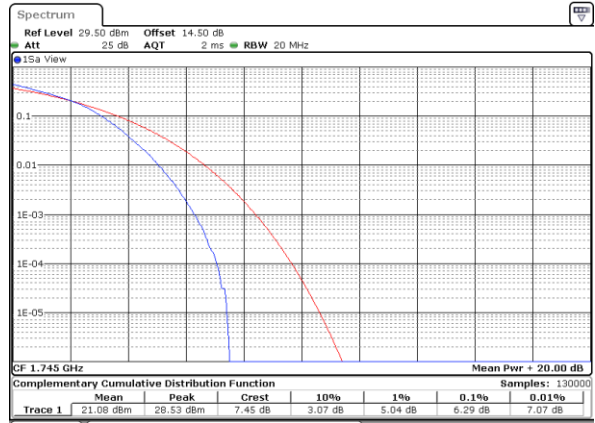
Date: 21.DEC.2020 13:38:14

Middle Channel / 1RB



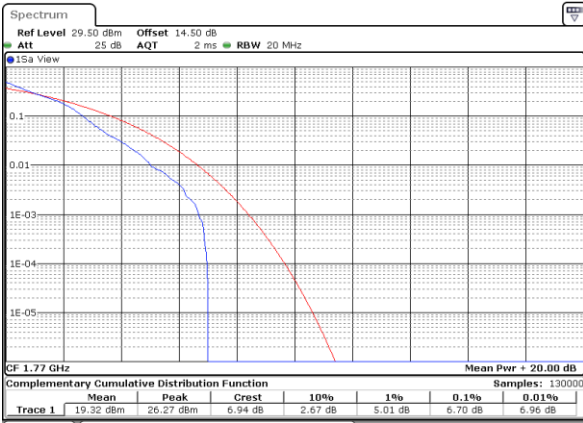
Date: 21.DEC.2020 13:38:37

Middle Channel / Full RB



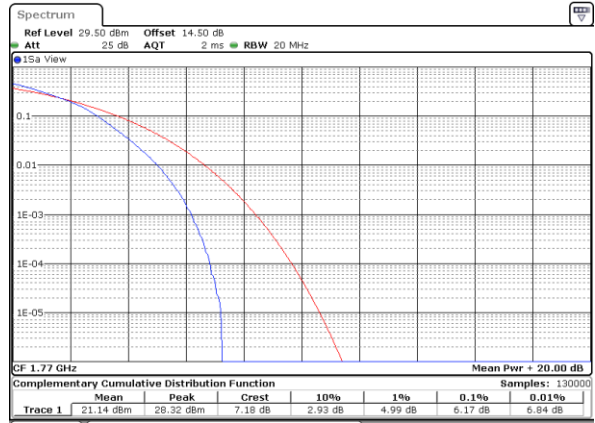
Date: 21.DEC.2020 13:38:50

Highest Channel / 1RB



Date: 21.DEC.2020 13:39:08

Highest Channel / Full RB

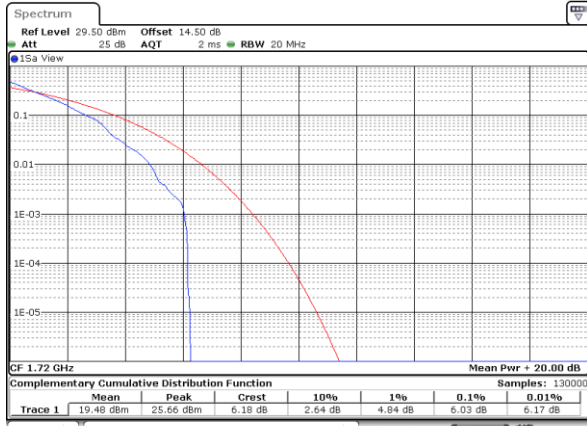


Date: 21.DEC.2020 13:39:19



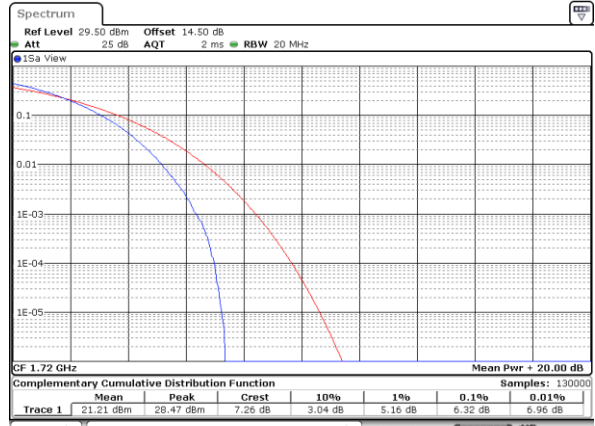
LTE Band 66 / 20MHz / 64QAM

Lowest Channel / 1RB



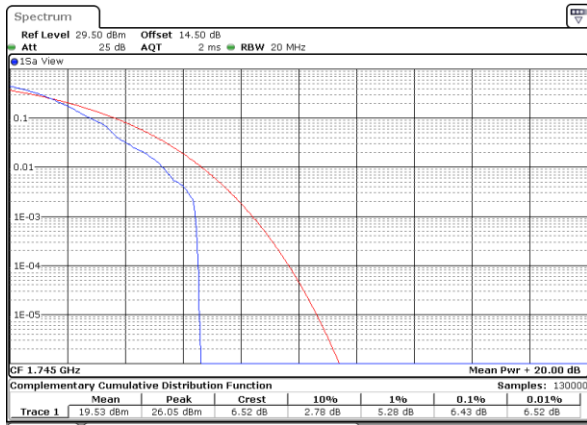
Date: 21. DEC. 2020 13:41:33

Lowest Channel / Full RB



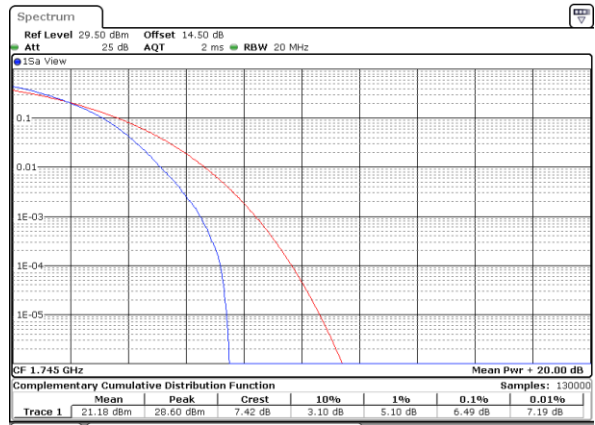
Date: 21. DEC. 2020 13:41:49

Middle Channel / 1RB



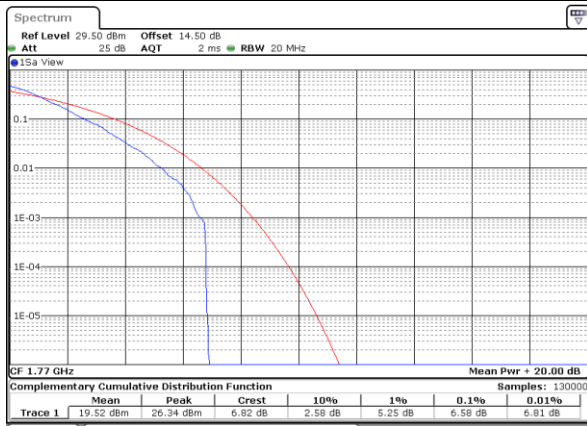
Date: 21. DEC. 2020 13:41:59

Middle Channel / Full RB



Date: 21. DEC. 2020 13:42:10

Highest Channel / 1RB



Date: 21. DEC. 2020 13:42:21

Highest Channel / Full RB



Date: 21. DEC. 2020 13:42:32



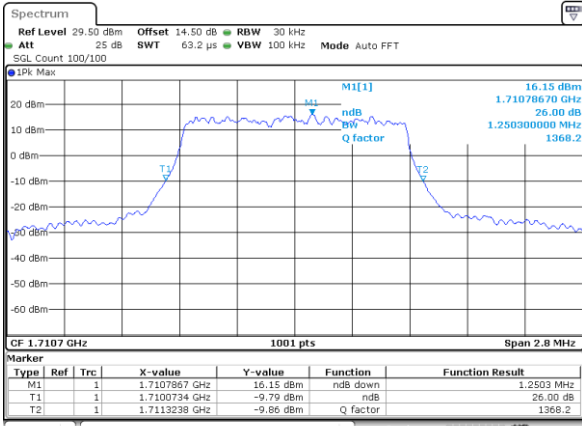
**26dB Bandwidth**

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	1.25	1.29	2.93	2.97	4.90	4.88	9.73	9.69	14.21	14.42	18.74	19.14
Middle CH	1.28	1.30	3.00	3.00	4.93	4.92	9.75	9.81	14.54	14.15	18.86	18.94
Highest CH	1.29	1.29	2.96	2.97	4.90	4.88	9.91	9.73	14.42	14.18	19.02	18.78
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.27	-	2.94	-	4.76	-	9.65	-	14.15	-	19.22	-
Middle CH	1.28	-	2.97	-	4.88	-	9.79	-	14.48	-	18.78	-
Highest CH	1.27	-	2.99	-	4.85	-	9.69	-	14.33	-	18.74	-



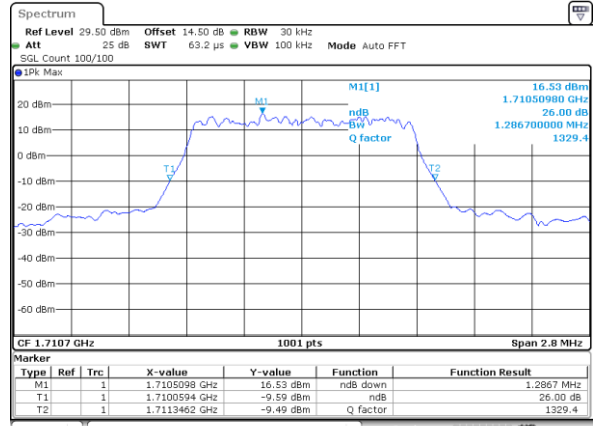
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



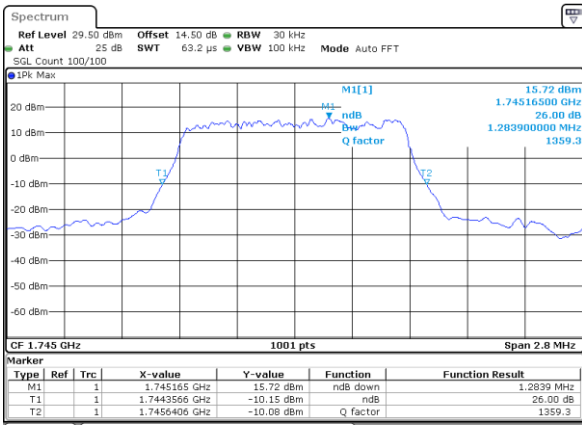
Date: 21.DEC.2020 09:16:17

Lowest Channel / 1.4MHz / 16QAM



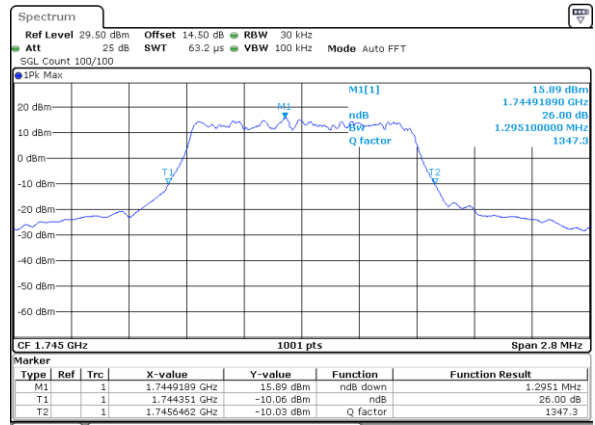
Date: 21.DEC.2020 09:18:57

Middle Channel / 1.4MHz / QPSK



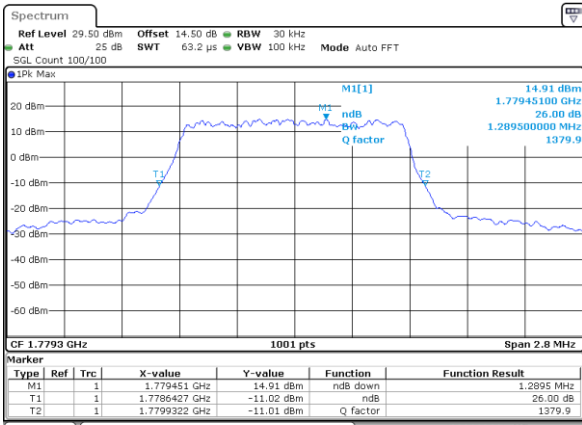
Date: 21.DEC.2020 10:57:20

Middle Channel / 1.4MHz / 16QAM



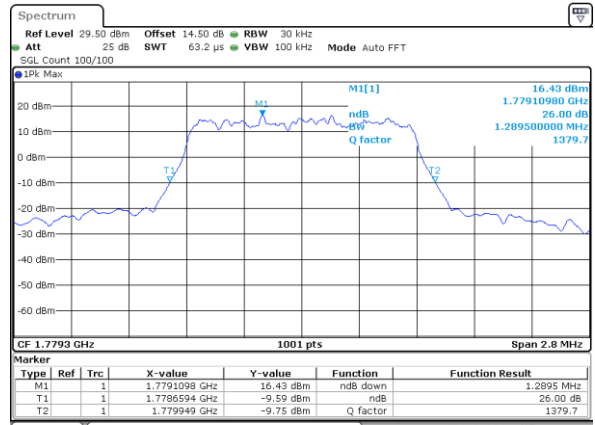
Date: 21.DEC.2020 10:20:35

Highest Channel / 1.4MHz / QPSK



Date: 21.DEC.2020 10:45:47

Highest Channel / 1.4MHz / 16QAM

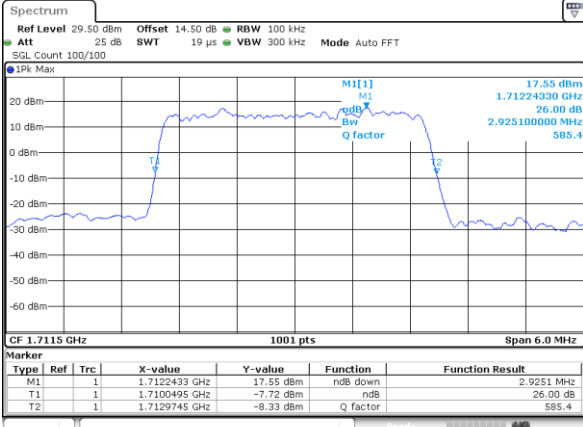


Date: 21.DEC.2020 10:26:01



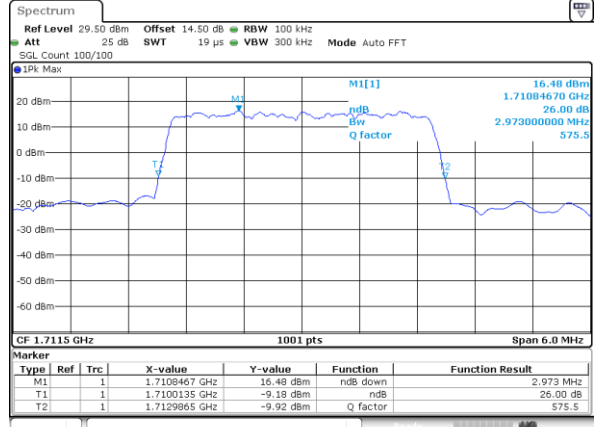
LTE Band 66

Lowest Channel / 3MHz / QPSK



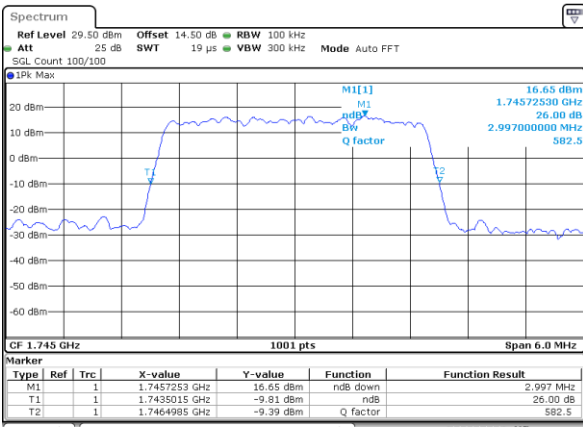
Date: 21.DEC.2020 11:00:54

Lowest Channel / 3MHz / 16QAM



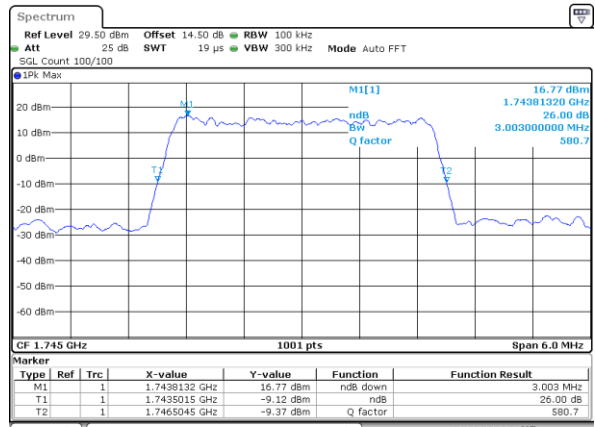
Date: 21.DEC.2020 11:01:05

Middle Channel / 3MHz / QPSK



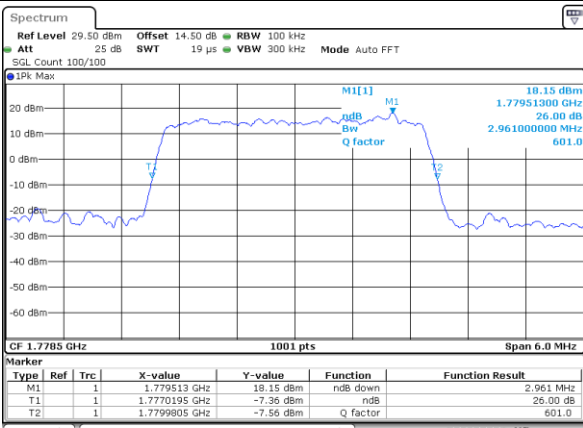
Date: 21.DEC.2020 11:06:13

Middle Channel / 3MHz / 16QAM



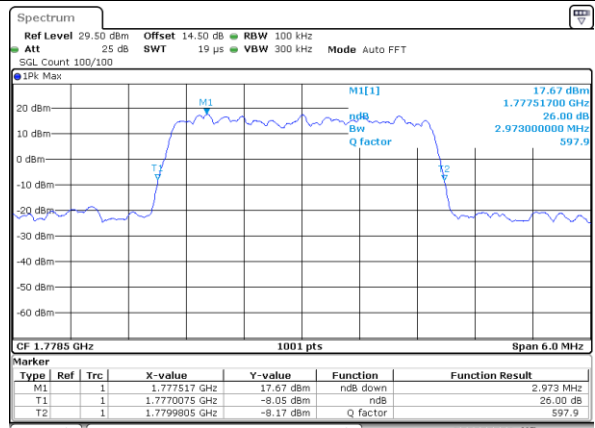
Date: 21.DEC.2020 11:06:24

Highest Channel / 3MHz / QPSK



Date: 21.DEC.2020 11:08:32

Highest Channel / 3MHz / 16QAM

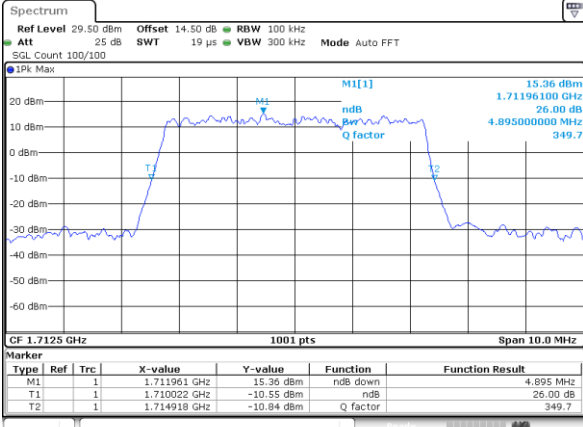


Date: 21.DEC.2020 11:08:43



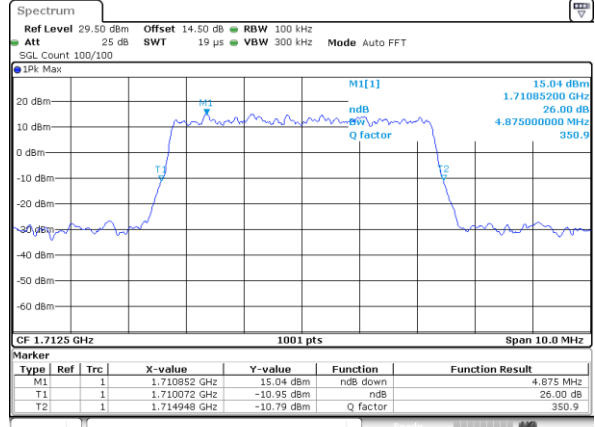
LTE Band 66

Lowest Channel / 5MHz / QPSK



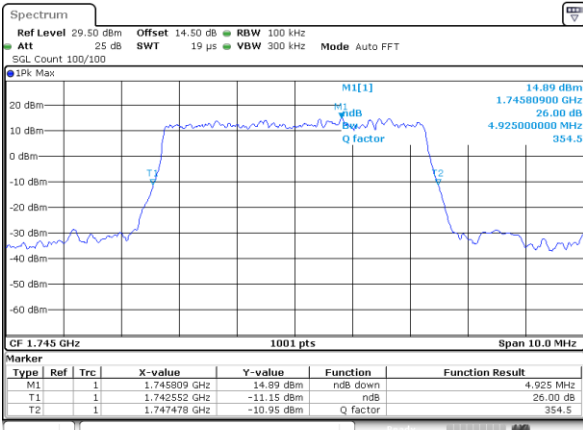
Date: 21. DEC. 2020 13:01:53

Lowest Channel / 5MHz / 16QAM



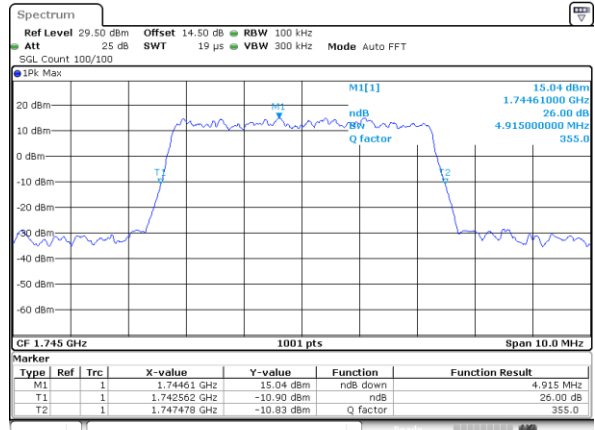
Date: 21. DEC. 2020 13:02:04

Middle Channel / 5MHz / QPSK



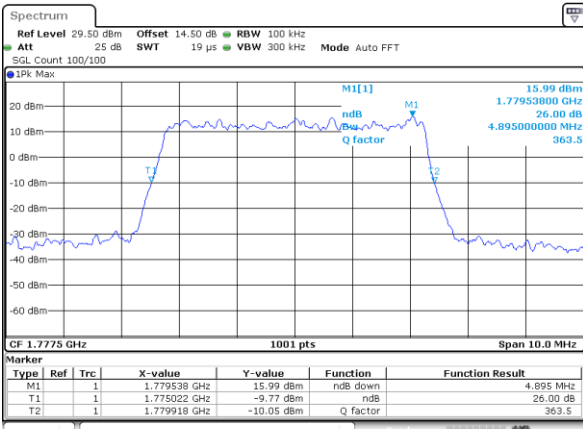
Date: 21. DEC. 2020 13:07:12

Middle Channel / 5MHz / 16QAM



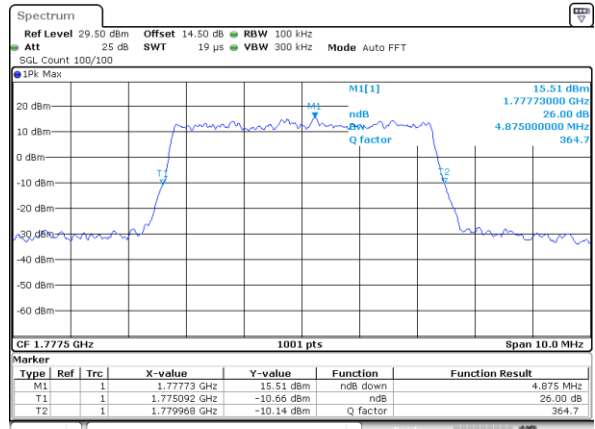
Date: 21. DEC. 2020 13:07:23

Highest Channel / 5MHz / QPSK



Date: 21. DEC. 2020 13:09:31

Highest Channel / 5MHz / 16QAM



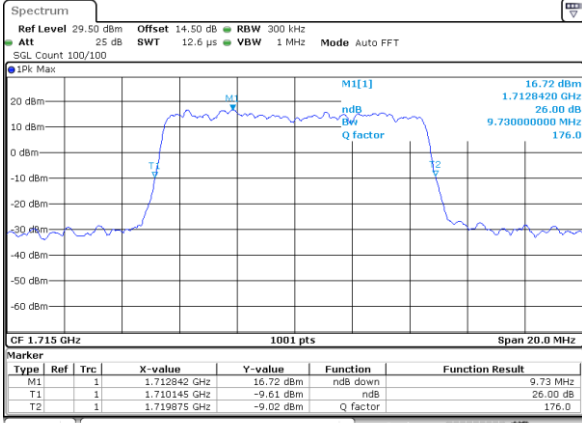
Date: 21. DEC. 2020 13:09:42





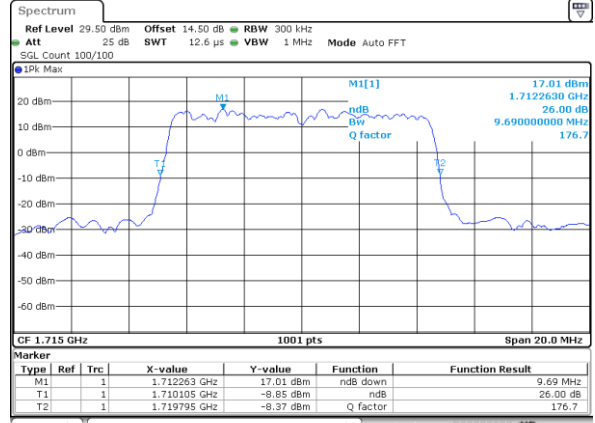
LTE Band 66

Lowest Channel / 10MHz / QPSK



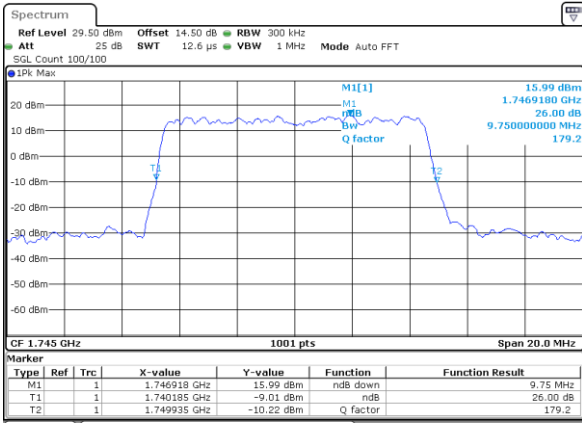
Date: 21, DEC, 2020 13:14:49

Lowest Channel / 10MHz / 16QAM



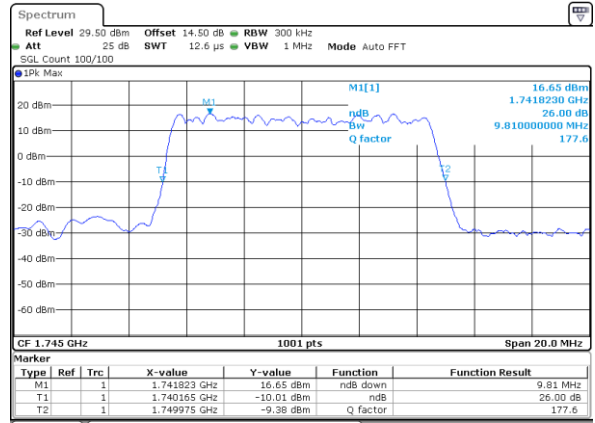
Date: 21, DEC, 2020 13:15:00

Middle Channel / 10MHz / QPSK



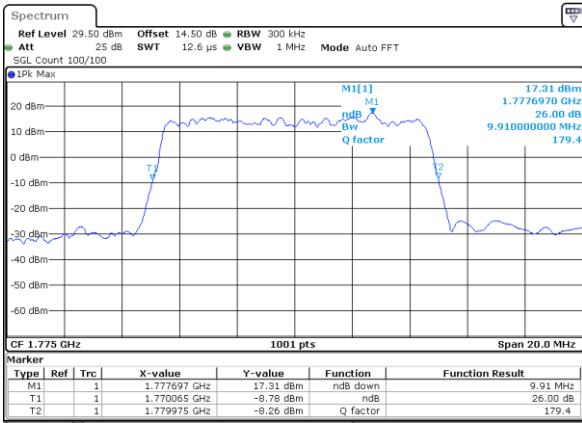
Date: 21, DEC, 2020 13:20:08

Middle Channel / 10MHz / 16QAM



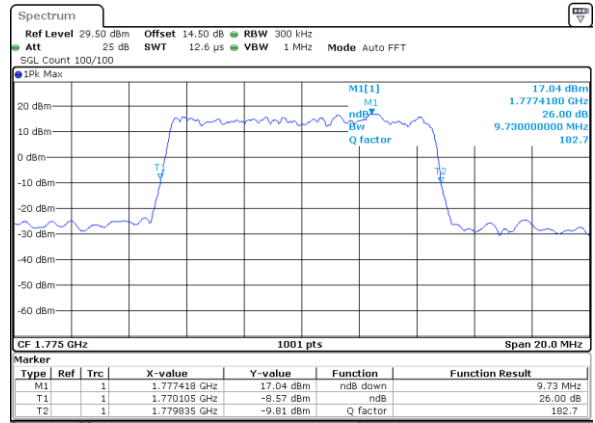
Date: 21, DEC, 2020 13:20:19

Highest Channel / 10MHz / QPSK



Date: 21, DEC, 2020 13:22:27

Highest Channel / 10MHz / 16QAM

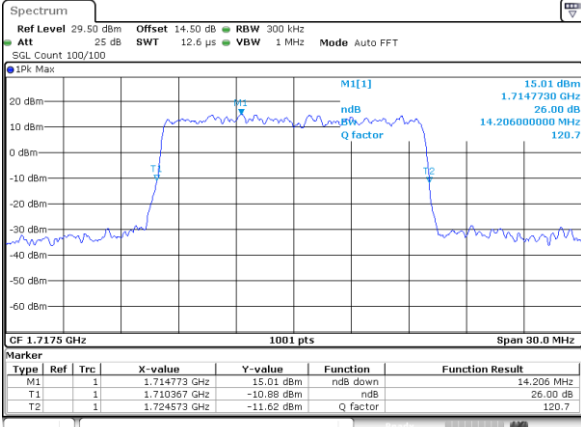


Date: 21, DEC, 2020 13:22:38



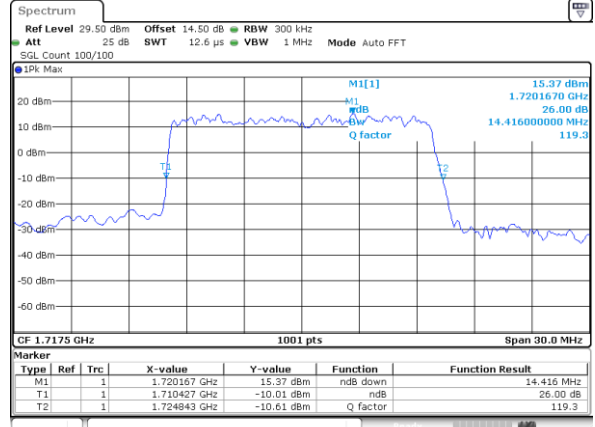
LTE Band 66

Lowest Channel / 15MHz / QPSK



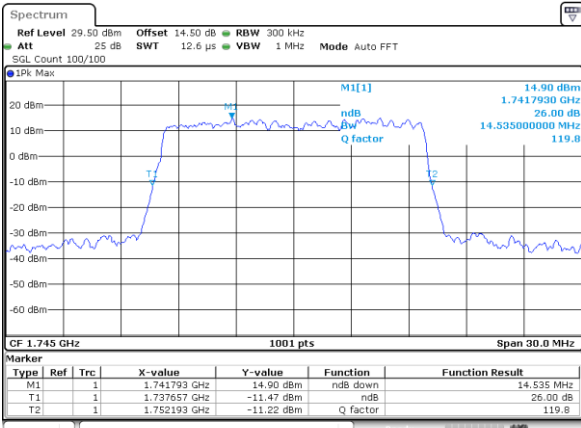
Date: 21, DEC, 2020 13:50:37

Lowest Channel / 15MHz / 16QAM



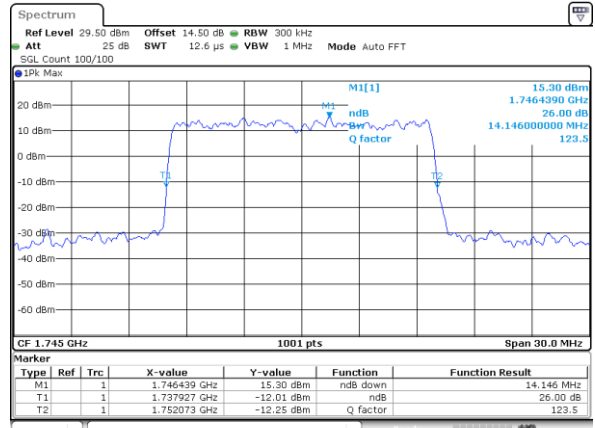
Date: 21, DEC, 2020 13:50:48

Middle Channel / 15MHz / QPSK



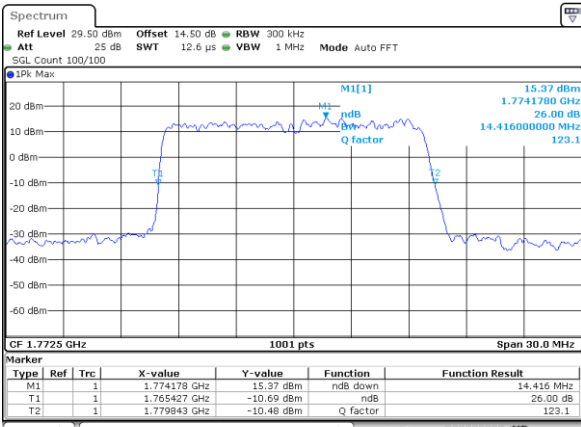
Date: 21, DEC, 2020 13:55:56

Middle Channel / 15MHz / 16QAM



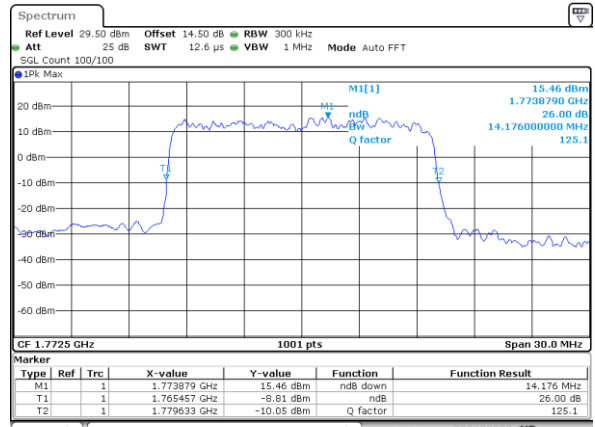
Date: 21, DEC, 2020 13:56:07

Highest Channel / 15MHz / QPSK



Date: 21, DEC, 2020 13:58:14

Highest Channel / 15MHz / 16QAM

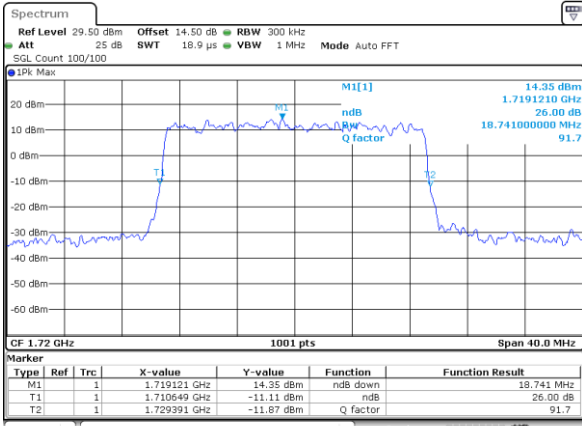


Date: 21, DEC, 2020 13:58:25



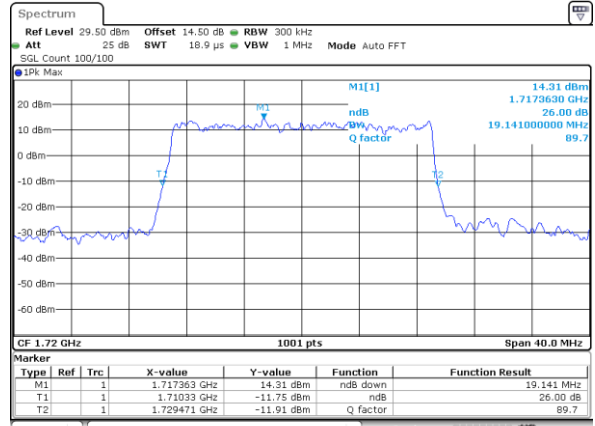
LTE Band 66

Lowest Channel / 20MHz / QPSK



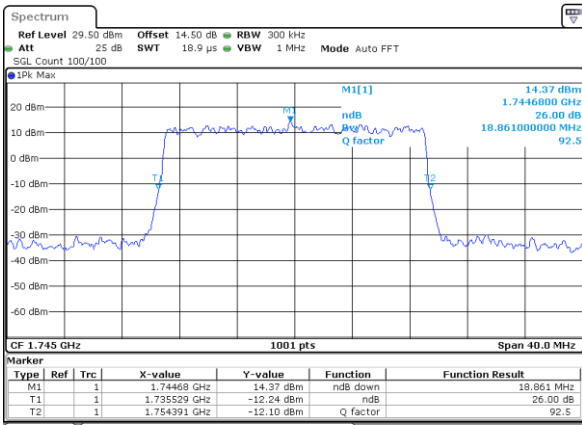
Date: 21.DEC.2020 14:47:10

Lowest Channel / 20MHz / 16QAM



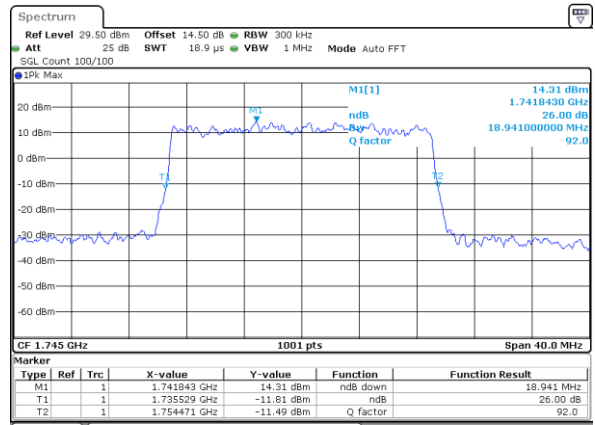
Date: 21.DEC.2020 14:47:22

Middle Channel / 20MHz / QPSK



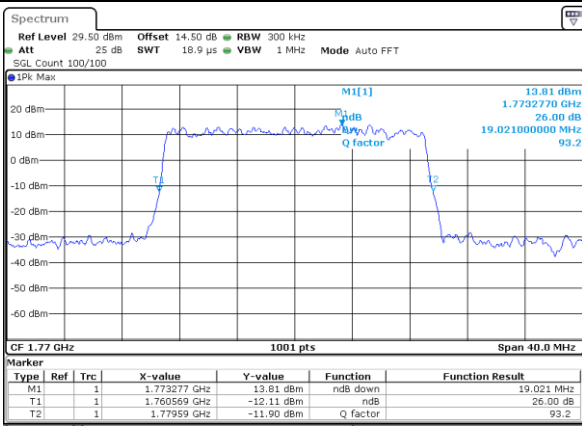
Date: 21.DEC.2020 14:52:29

Middle Channel / 20MHz / 16QAM



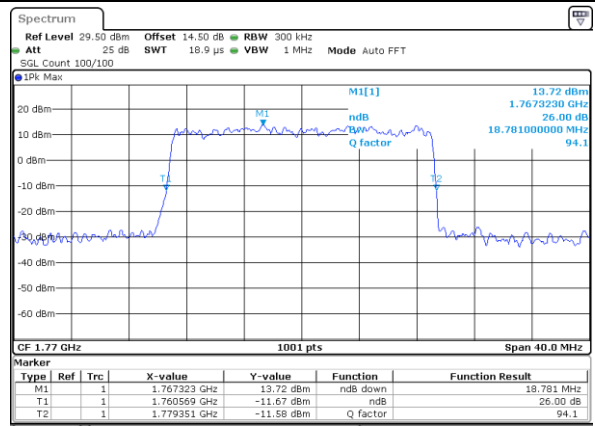
Date: 21.DEC.2020 14:52:40

Highest Channel / 20MHz / QPSK



Date: 21.DEC.2020 14:54:47

Highest Channel / 20MHz / 16QAM

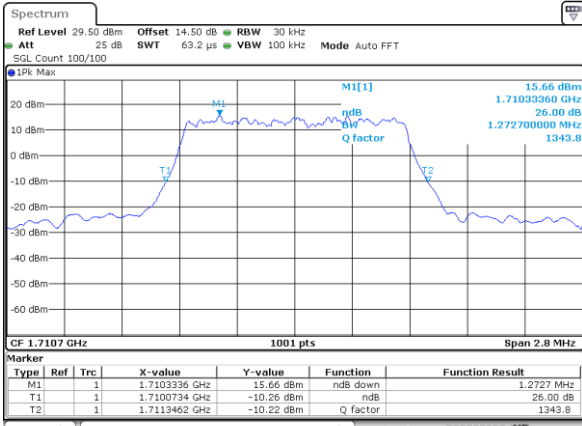


Date: 21.DEC.2020 14:54:58



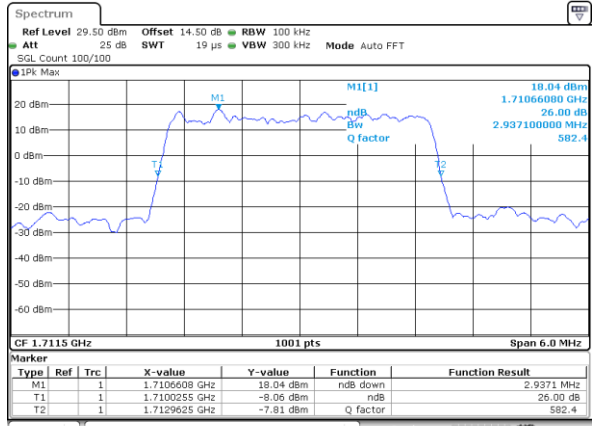
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



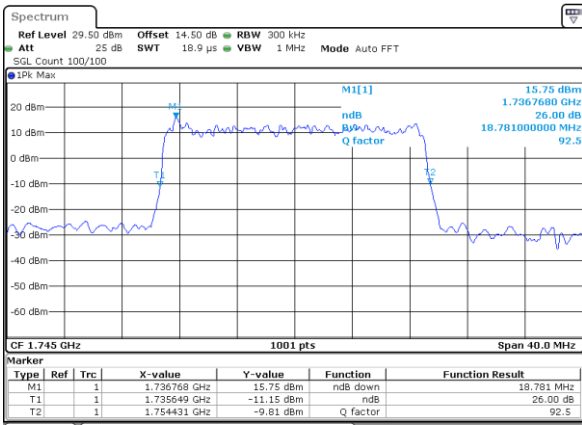
Date: 21, DEC, 2020 09:42:55

Lowest Channel / 3MHz / 64QAM



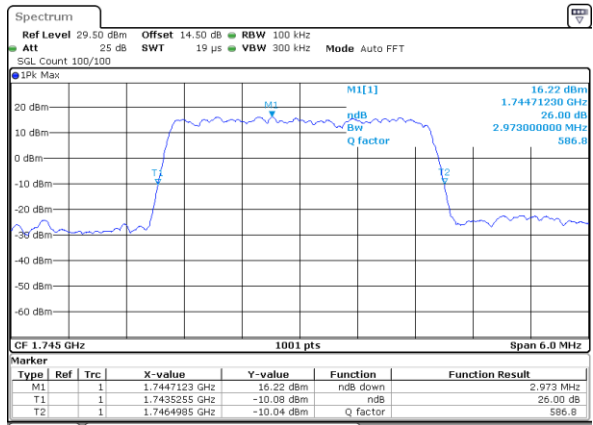
Date: 21, DEC, 2020 11:13:40

Middle Channel / 20MHz / 64QAM



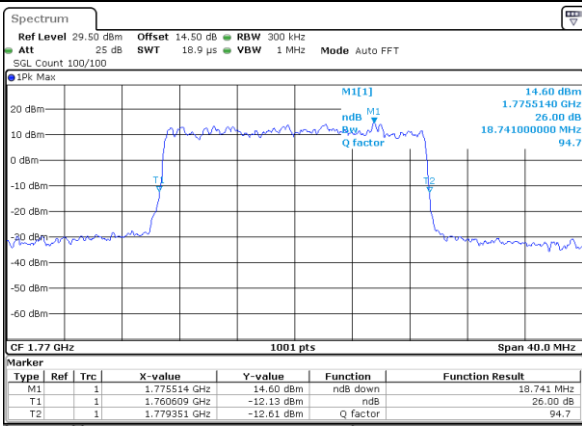
Date: 21, DEC, 2020 15:02:33

Middle Channel / 3MHz / 64QAM



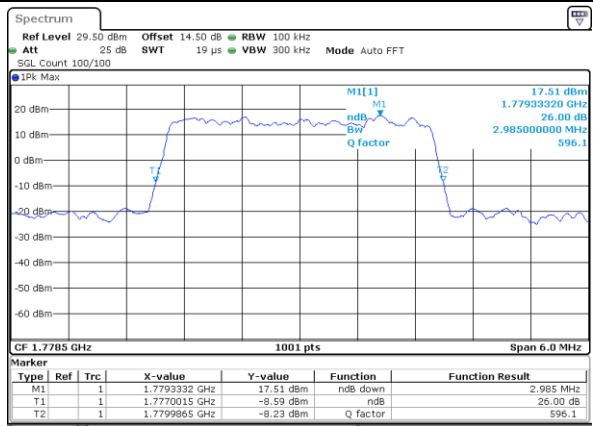
Date: 21, DEC, 2020 11:16:19

Highest Channel / 20MHz / 64QAM



Date: 21, DEC, 2020 15:03:42

Highest Channel / 3MHz / 64QAM

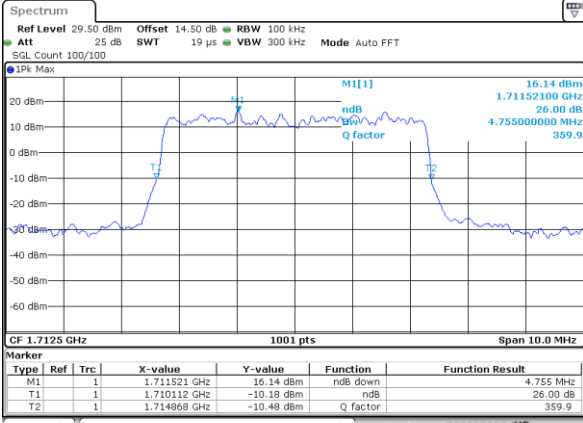


Date: 21, DEC, 2020 11:17:29



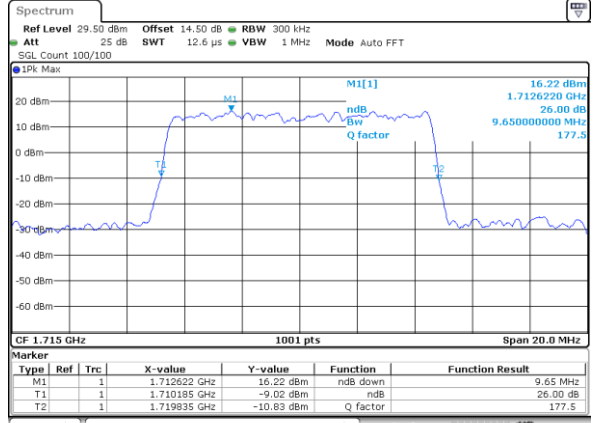
LTE Band 66

Lowest Channel / 5MHz / 64QAM



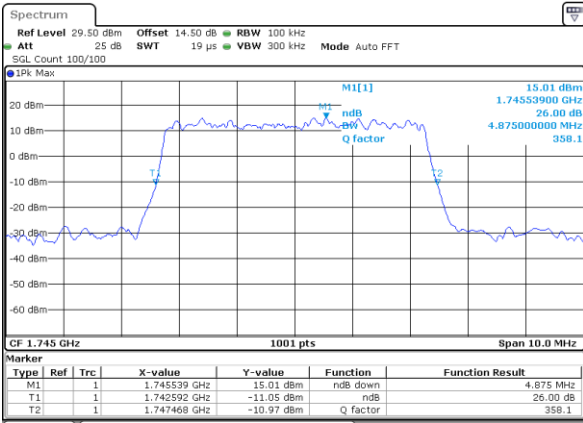
Date: 21. DEC. 2020 12:55:14

Lowest Channel / 10MHz / 64QAM



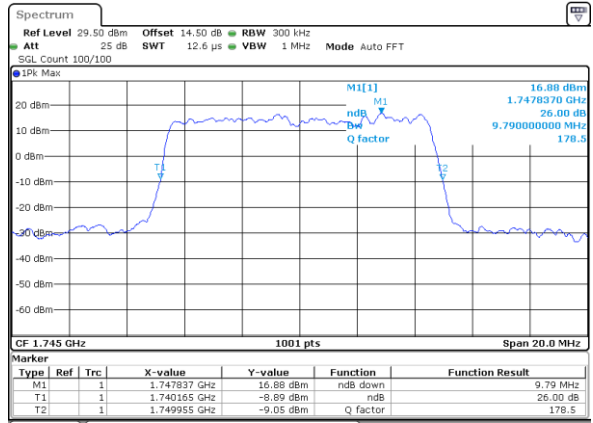
Date: 21. DEC. 2020 13:27:35

Middle Channel / 5MHz / 64QAM



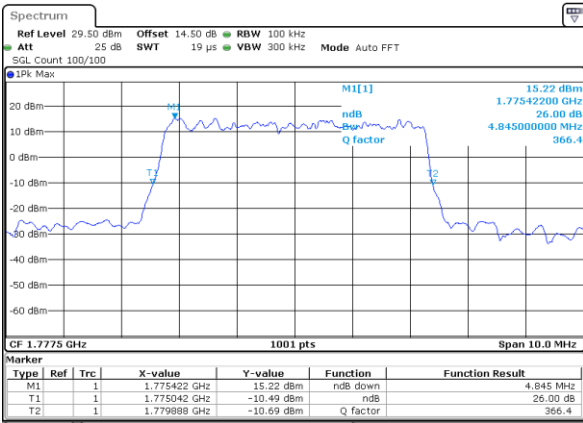
Date: 21. DEC. 2020 12:57:53

Middle Channel / 10MHz / 64QAM



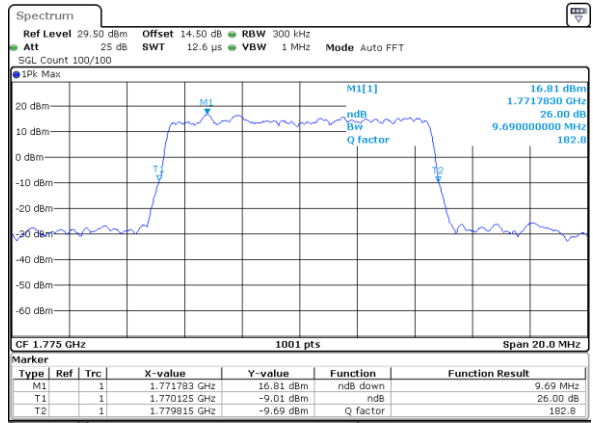
Date: 21. DEC. 2020 13:30:14

Highest Channel / 5MHz / 64QAM



Date: 21. DEC. 2020 12:59:02

Highest Channel / 10MHz / 64QAM

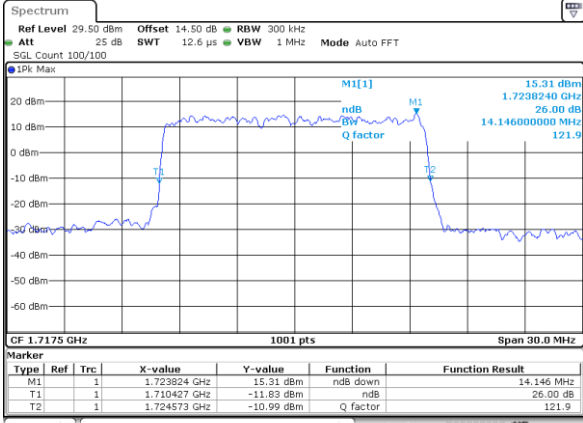


Date: 21. DEC. 2020 13:31:24



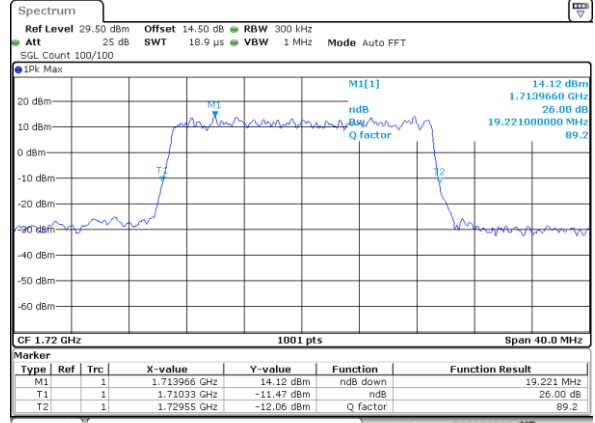
LTE Band 66

Lowest Channel / 15MHz / 64QAM



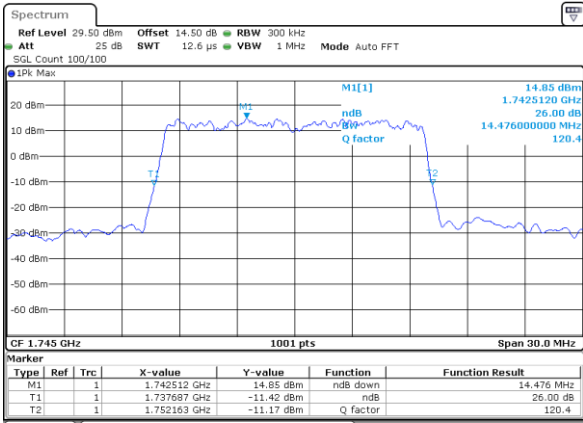
Date: 21, DEC, 2020 13:43:57

Lowest Channel / 20MHz / 64QAM



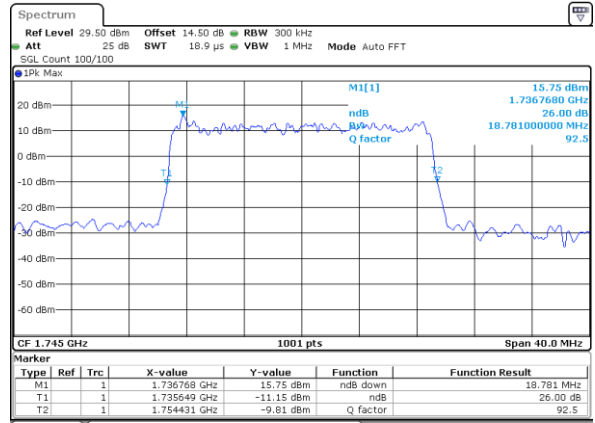
Date: 21, DEC, 2020 14:59:54

Middle Channel / 15MHz / 64QAM



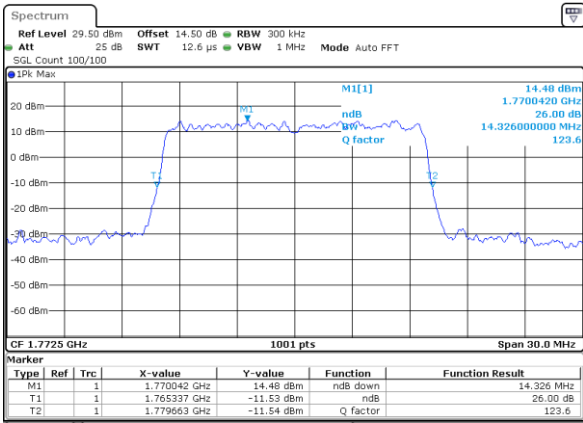
Date: 21, DEC, 2020 13:46:37

Middle Channel / 20MHz / 64QAM



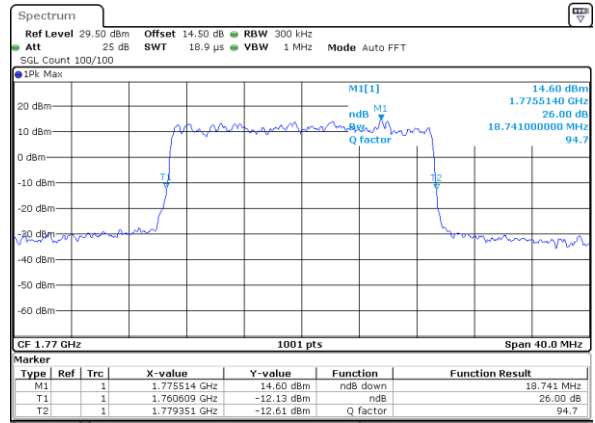
Date: 21, DEC, 2020 15:02:33

Highest Channel / 15MHz / 64QAM



Date: 21, DEC, 2020 13:47:46

Highest Channel / 20MHz / 64QAM



Date: 21, DEC, 2020 15:03:42



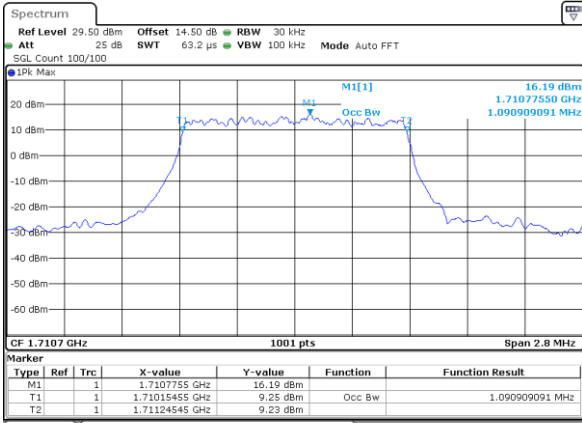
### Occupied Bandwidth

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	2.70	2.70	4.51	4.50	9.03	9.11	13.40	13.40	17.86	17.86
Middle CH	1.09	1.09	2.70	2.70	4.49	4.50	9.01	9.05	13.34	13.43	17.82	17.94
Highest CH	1.09	1.09	2.72	2.72	4.49	4.50	9.05	8.97	13.40	13.43	17.94	17.90
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	-	2.72	-	4.48	-	9.03	-	13.37	-	17.86	-
Middle CH	1.09	-	2.73	-	4.54	-	9.05	-	13.46	-	17.90	-
Highest CH	1.09	-	2.71	-	4.51	-	9.05	-	13.43	-	17.90	-



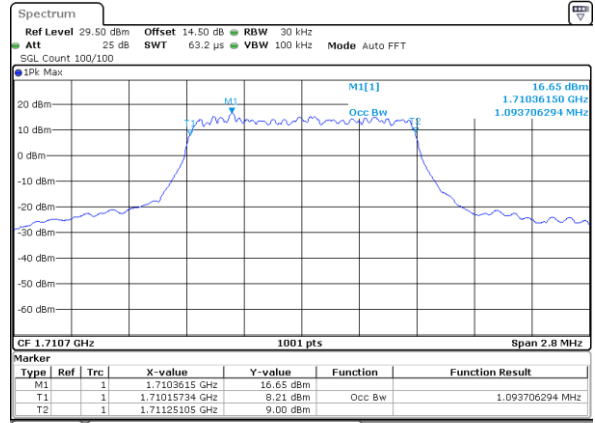
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



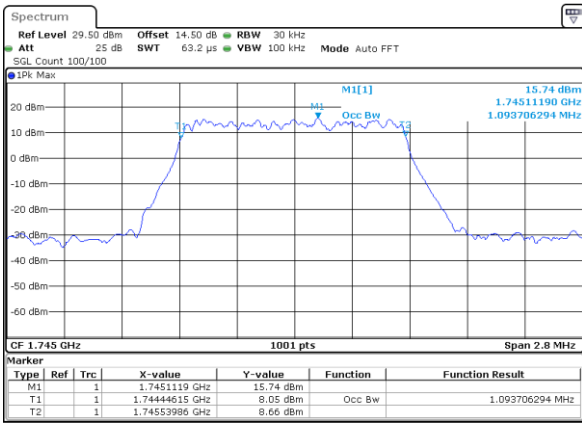
Date: 21.DEC.2020 09:15:47

Lowest Channel / 1.4MHz / 16QAM



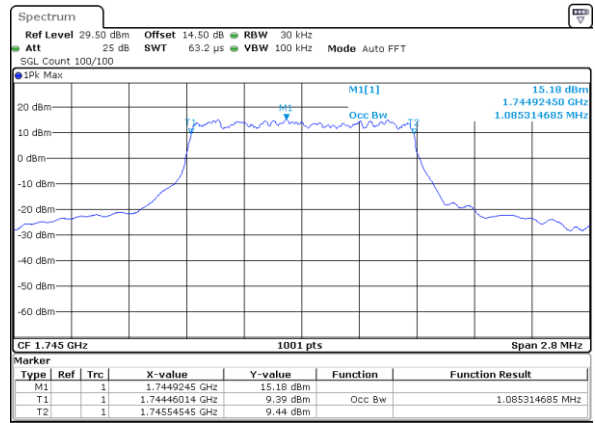
Date: 21.DEC.2020 09:18:12

Middle Channel / 1.4MHz / QPSK



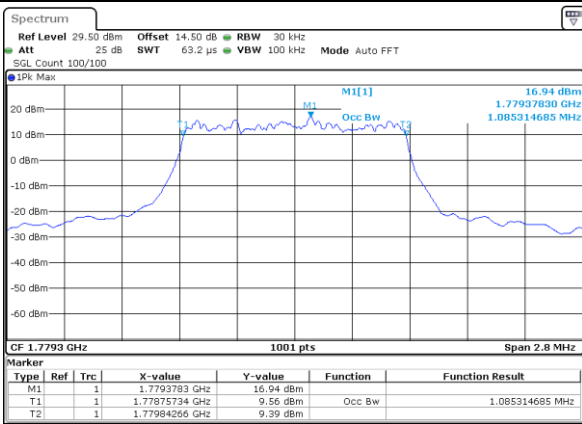
Date: 21.DEC.2020 10:57:11

Middle Channel / 1.4MHz / 16QAM



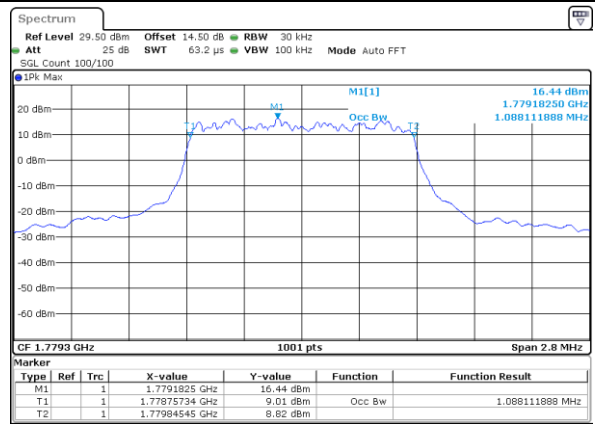
Date: 21.DEC.2020 10:20:25

Highest Channel / 1.4MHz / QPSK



Date: 21.DEC.2020 10:45:36

Highest Channel / 1.4MHz / 16QAM



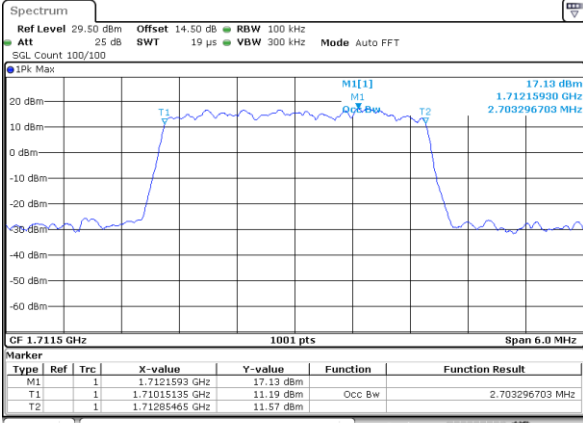
Date: 21.DEC.2020 10:25:50





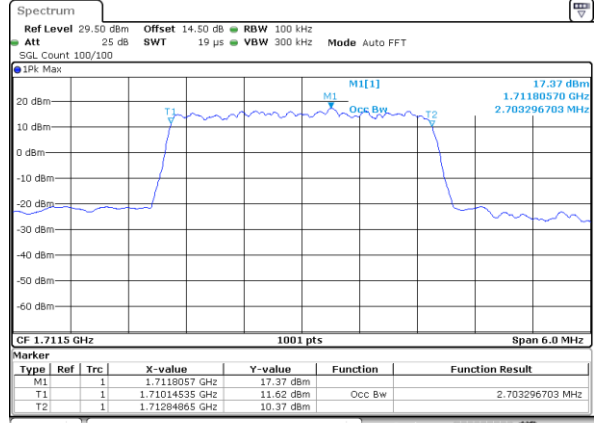
LTE Band 66

Lowest Channel / 3MHz / QPSK



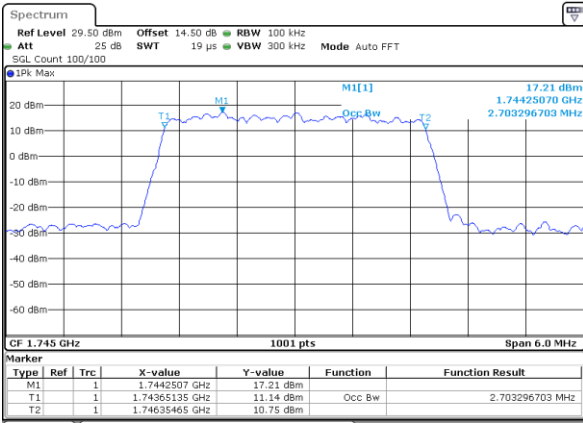
Date: 21.DEC.2020 11:00:13

Lowest Channel / 3MHz / 16QAM



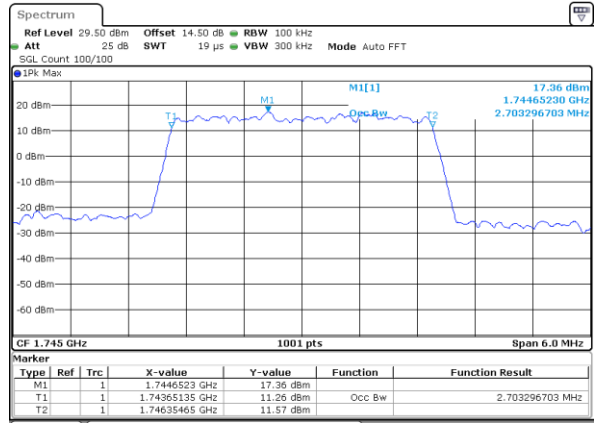
Date: 21.DEC.2020 11:00:43

Middle Channel / 3MHz / QPSK



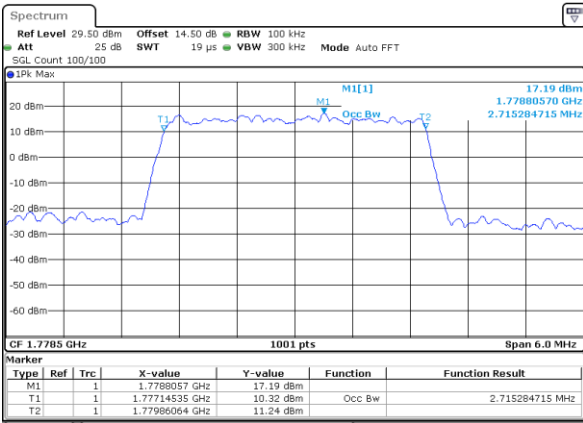
Date: 21.DEC.2020 11:05:51

Middle Channel / 3MHz / 16QAM



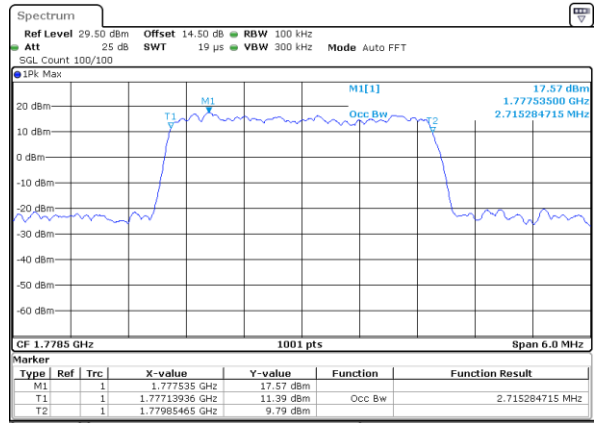
Date: 21.DEC.2020 11:06:02

Highest Channel / 3MHz / QPSK



Date: 21.DEC.2020 11:08:10

Highest Channel / 3MHz / 16QAM

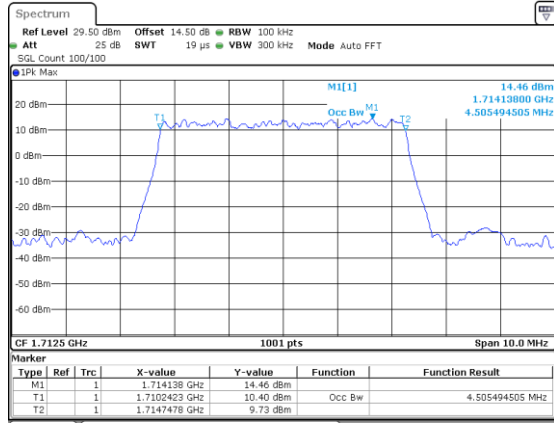


Date: 21.DEC.2020 11:08:21



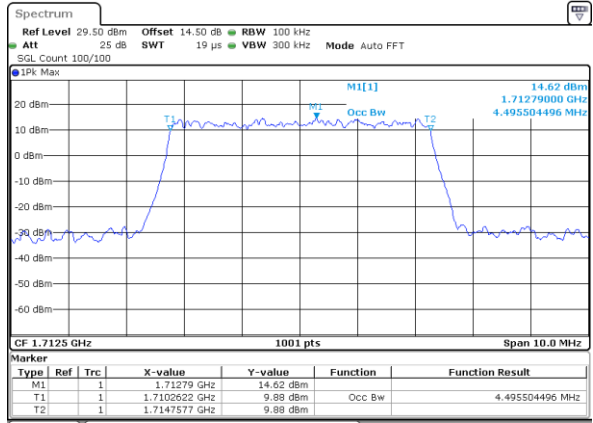
LTE Band 66

Lowest Channel / 5MHz / QPSK



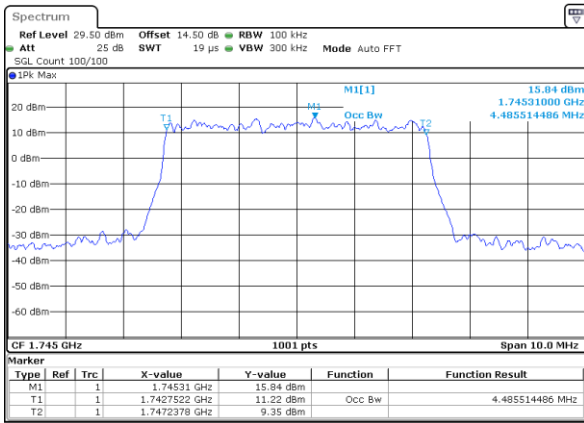
Date: 21.DEC.2020 13:01:33

Lowest Channel / 5MHz / 16QAM



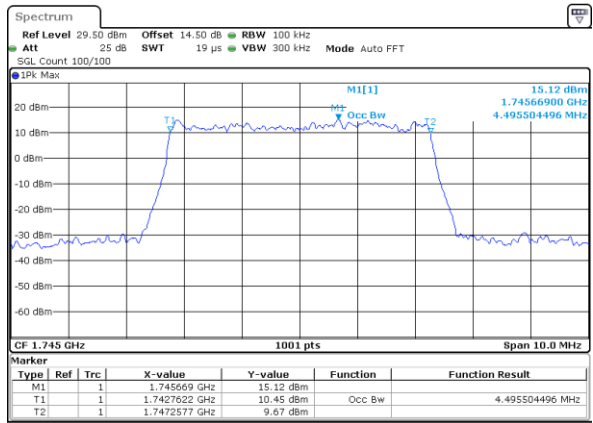
Date: 21.DEC.2020 13:01:42

Middle Channel / 5MHz / QPSK



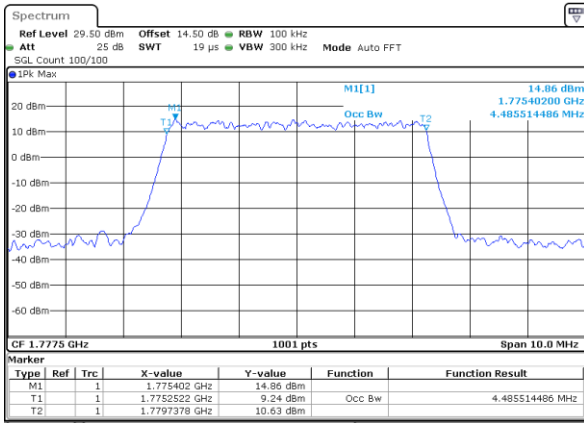
Date: 21.DEC.2020 13:06:50

Middle Channel / 5MHz / 16QAM



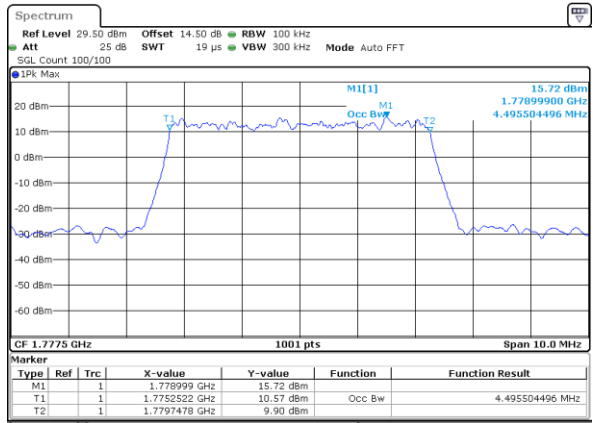
Date: 21.DEC.2020 13:07:01

Highest Channel / 5MHz / QPSK



Date: 21.DEC.2020 13:09:09

Highest Channel / 5MHz / 16QAM

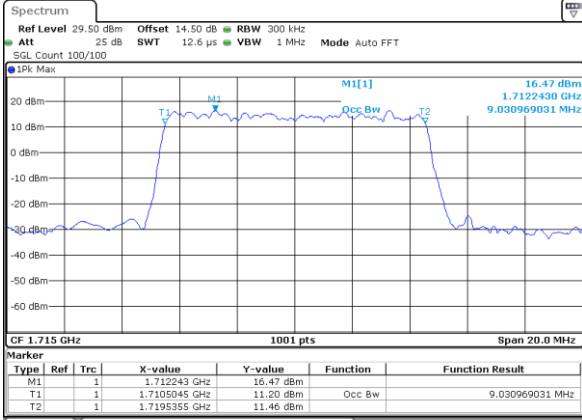


Date: 21.DEC.2020 13:09:20



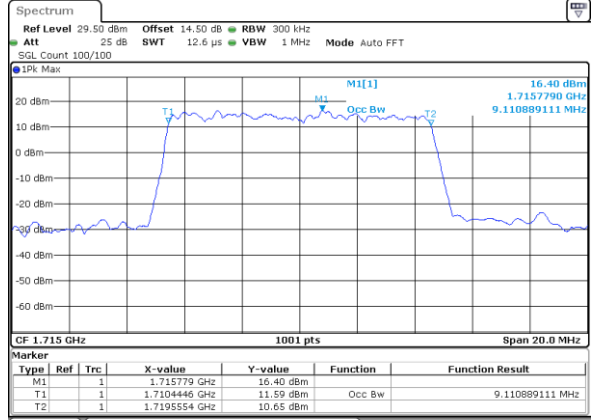
LTE Band 66

Lowest Channel / 10MHz / QPSK



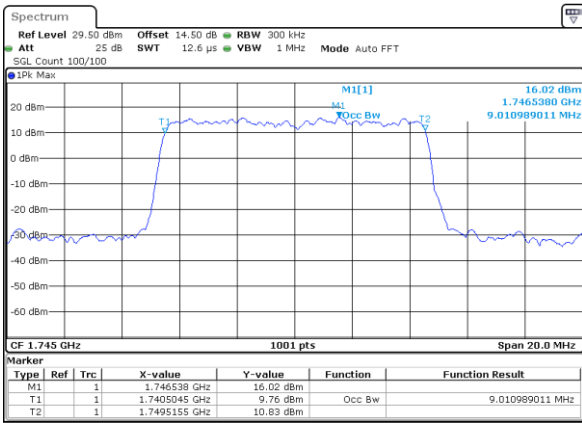
Date: 21.DEC.2020 13:14:27

Lowest Channel / 10MHz / 16QAM



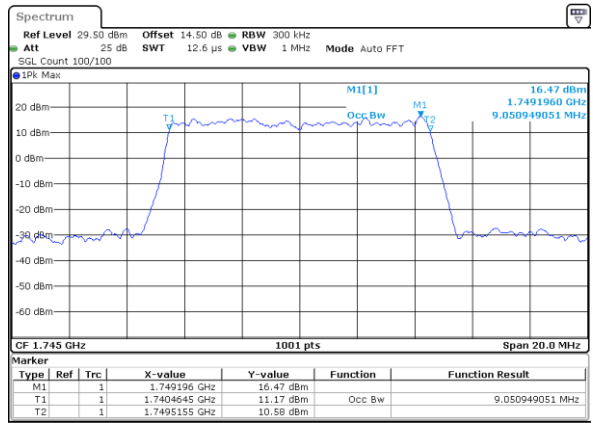
Date: 21.DEC.2020 13:14:38

Middle Channel / 10MHz / QPSK



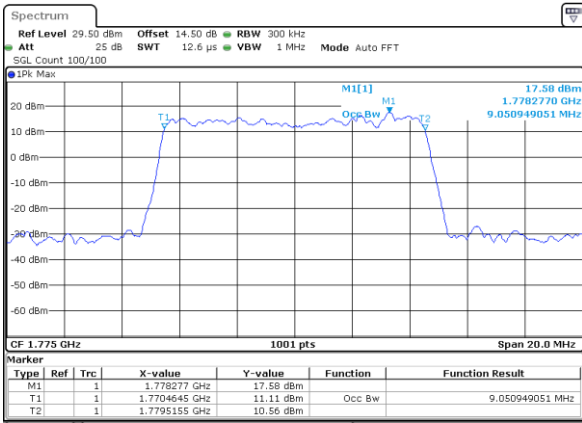
Date: 21.DEC.2020 13:19:46

Middle Channel / 10MHz / 16QAM



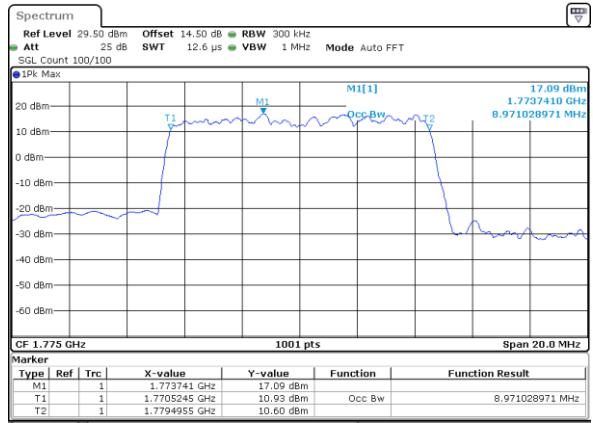
Date: 21.DEC.2020 13:19:57

Highest Channel / 10MHz / QPSK



Date: 21.DEC.2020 13:22:05

Highest Channel / 10MHz / 16QAM

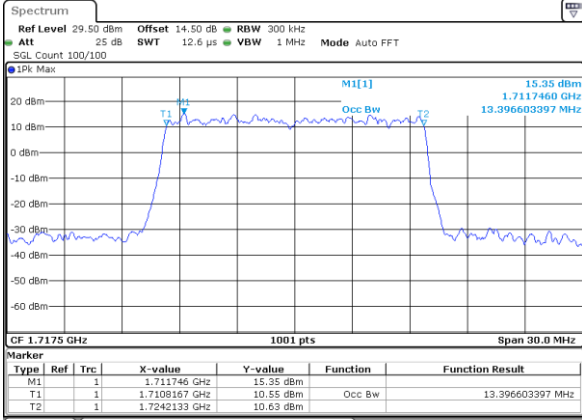


Date: 21.DEC.2020 13:22:16



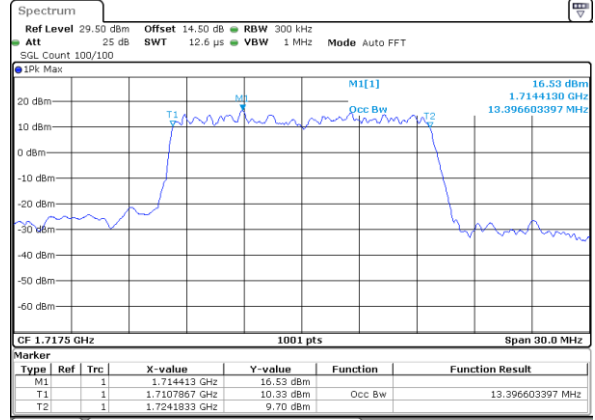
LTE Band 66

Lowest Channel / 15MHz / QPSK



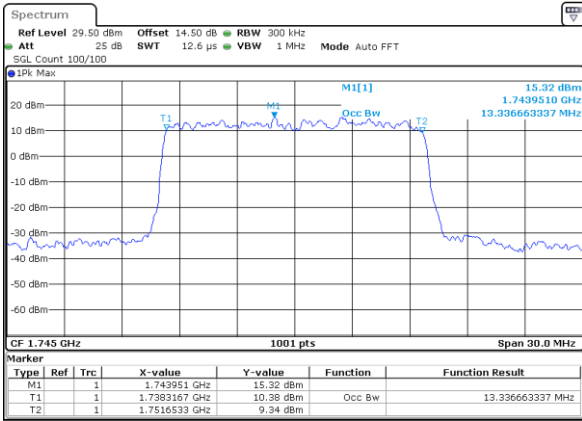
Date: 21. DEC. 2020 13:50:15

Lowest Channel / 15MHz / 16QAM



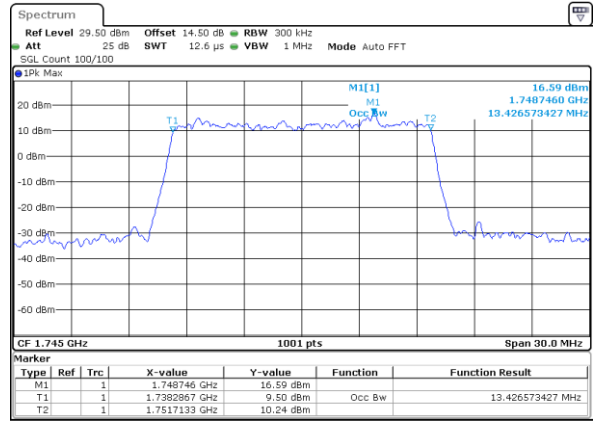
Date: 21. DEC. 2020 13:50:26

Middle Channel / 15MHz / QPSK



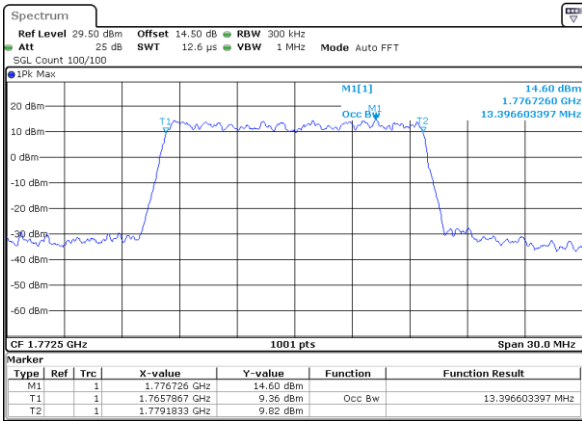
Date: 21. DEC. 2020 13:55:34

Middle Channel / 15MHz / 16QAM



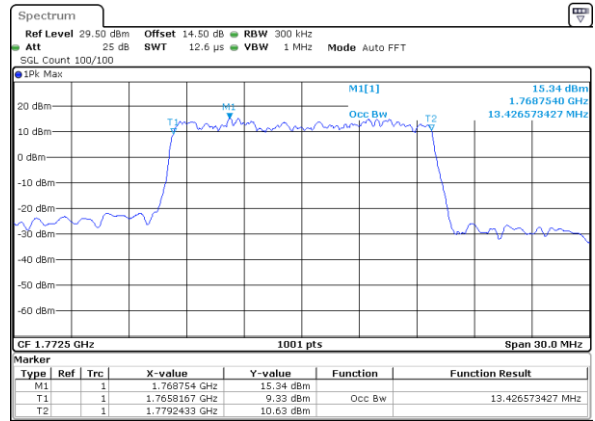
Date: 21. DEC. 2020 13:55:45

Highest Channel / 15MHz / QPSK



Date: 21. DEC. 2020 13:57:52

Highest Channel / 15MHz / 16QAM

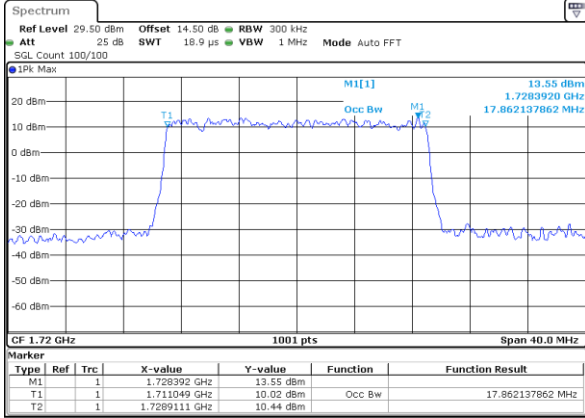


Date: 21. DEC. 2020 13:58:03



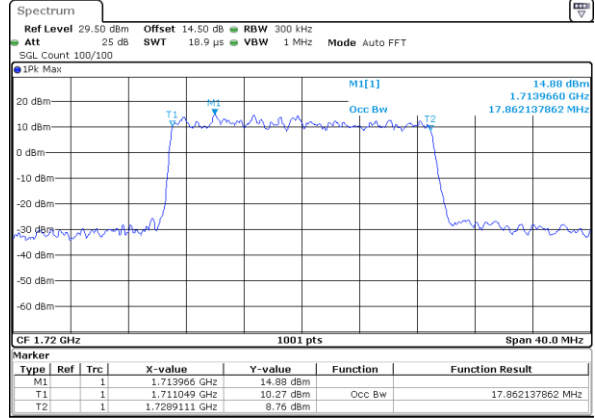
LTE Band 66

Lowest Channel / 20MHz / QPSK



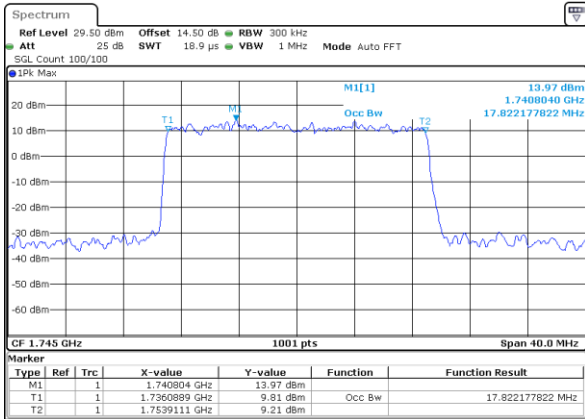
Date: 21. DEC. 2020 14:46:40

Lowest Channel / 20MHz / 16QAM



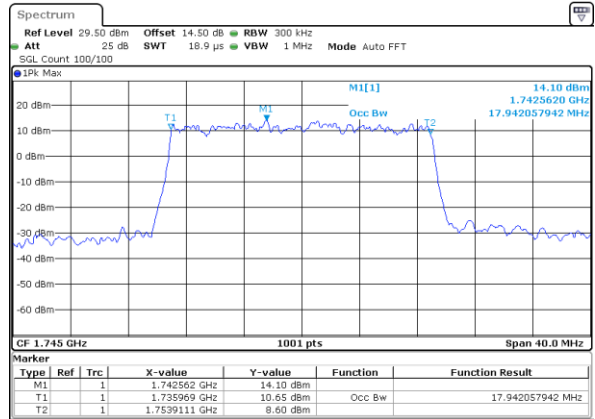
Date: 21. DEC. 2020 14:46:59

Middle Channel / 20MHz / QPSK



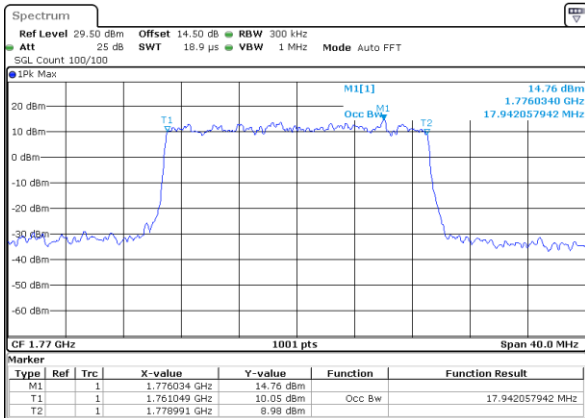
Date: 21. DEC. 2020 14:52:07

Middle Channel / 20MHz / 16QAM



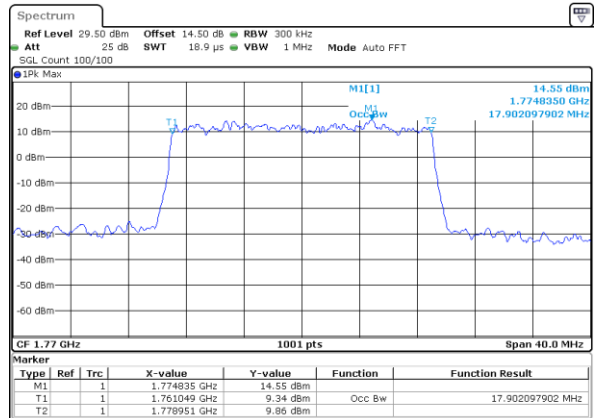
Date: 21. DEC. 2020 14:52:18

Highest Channel / 20MHz / QPSK



Date: 21. DEC. 2020 14:54:25

Highest Channel / 20MHz / 16QAM



Date: 21. DEC. 2020 14:54:36