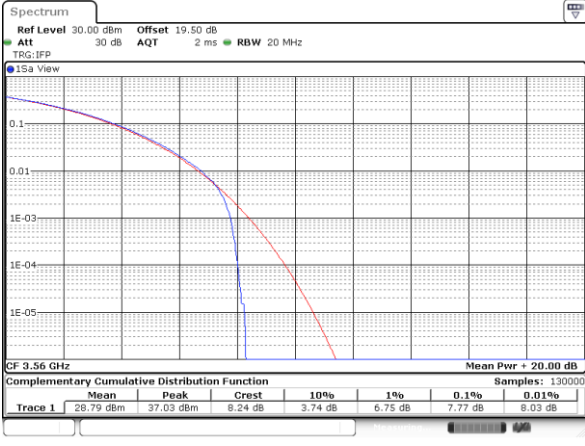




LTE Band 48 / 20MHz / QPSK

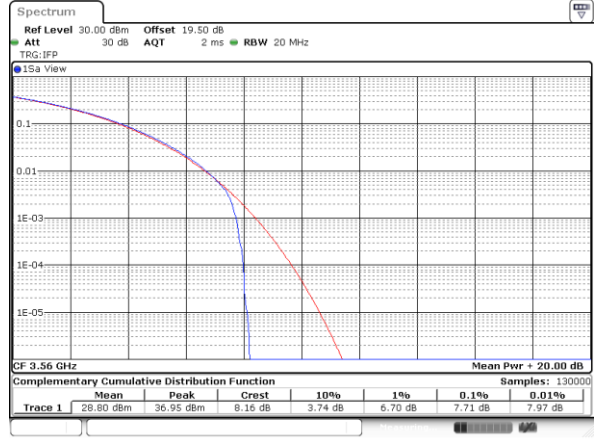
Lowest Channel / Full RB



Date: 5.NOV.2020 20:23:32

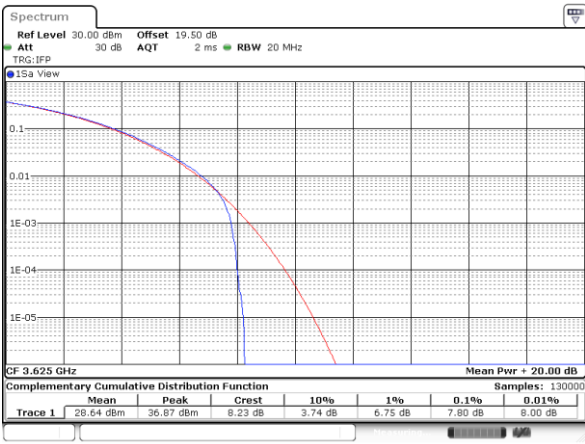
LTE Band 48 / 20MHz / 16QAM

Lowest Channel / Full RB



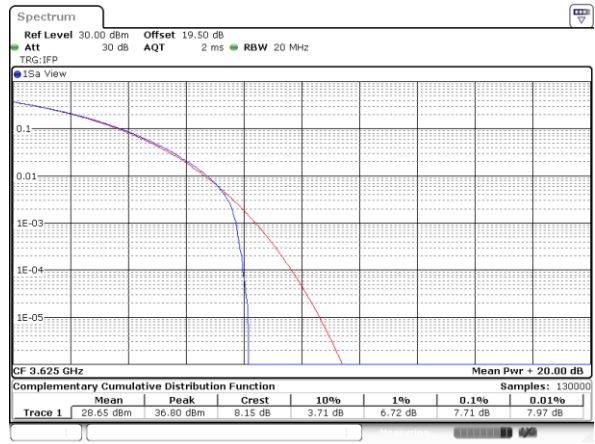
Date: 5.NOV.2020 21:24:20

Middle Channel / Full RB



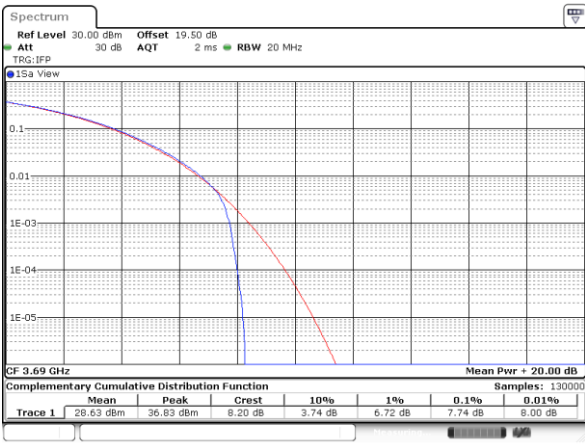
Date: 5.NOV.2020 20:25:42

Middle Channel / Full RB



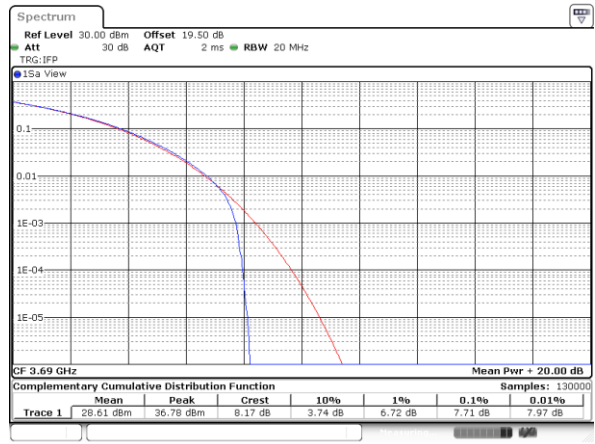
Date: 5.NOV.2020 21:08:37

Highest Channel / Full RB



Date: 5.NOV.2020 20:28:01

Highest Channel / Full RB



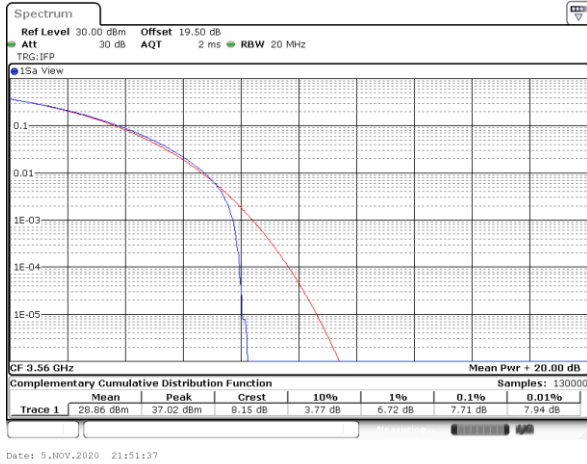
Date: 5.NOV.2020 20:33:19



LTE Band 48 / 20MHz / 64QAM

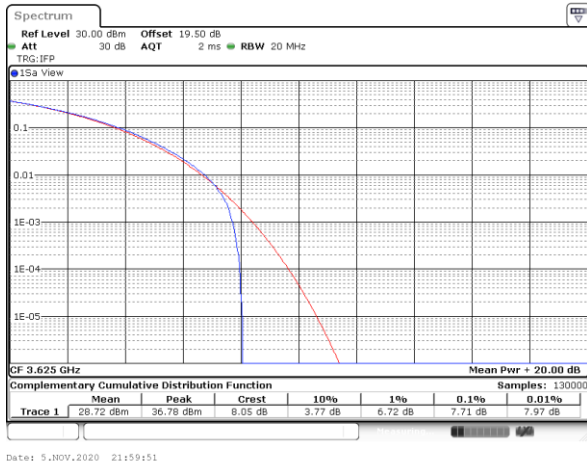
Lowest Channel / Full RB

N/A



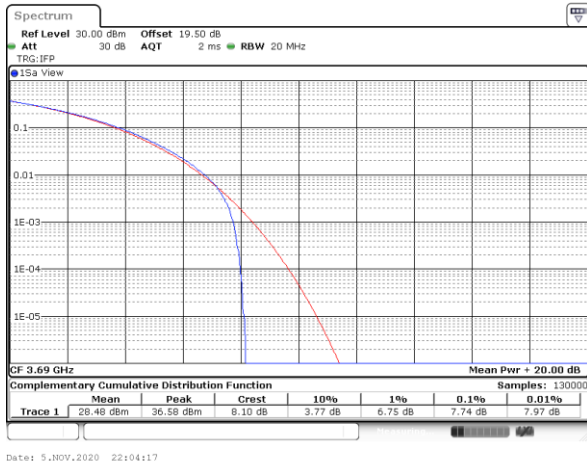
Middle Channel / Full RB

N/A



Highest Channel / Full RB

N/A





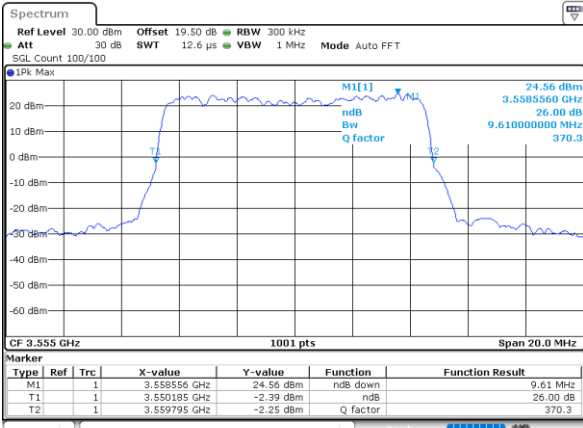
26dB Bandwidth

Mode	LTE Band 48 : 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	-	-	-	-	-	-	9.61	9.67	-	-	18.74	18.70
Middle CH	-	-	-	-	-	-	9.67	9.61	-	-	18.70	18.62
Highest CH	-	-	-	-	-	-	9.69	9.63	-	-	18.70	18.78
Mode	LTE Band 48 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Lowest CH	-	-	-	-	-	-	9.63	-	-	-	18.98	-
Middle CH	-	-	-	-	-	-	9.79	-	-	-	18.98	-
Highest CH	-	-	-	-	-	-	9.73	-	-	-	18.78	-



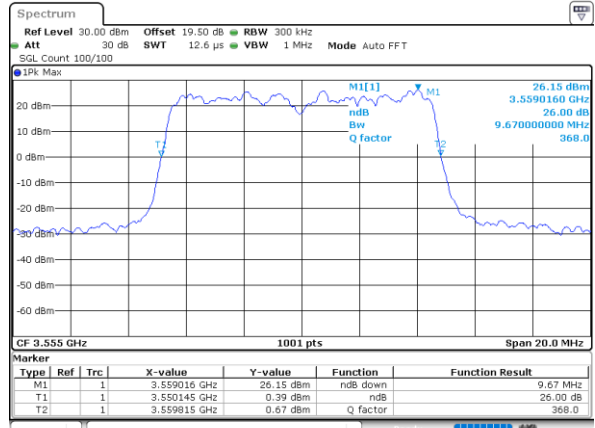
LTE Band 48

Lowest Channel / 10MHz / QPSK



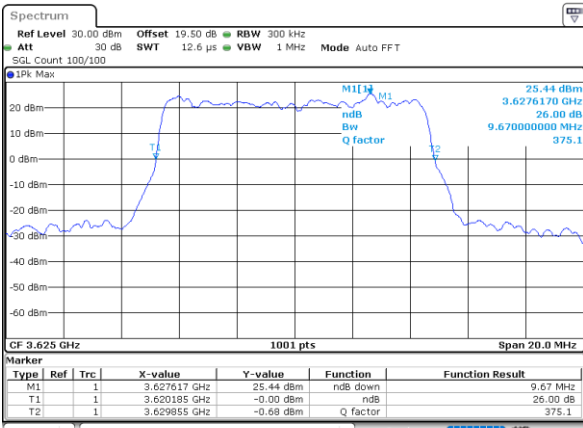
Date: 5.NOV.2020 22:20:14

Lowest Channel / 10MHz / 16QAM



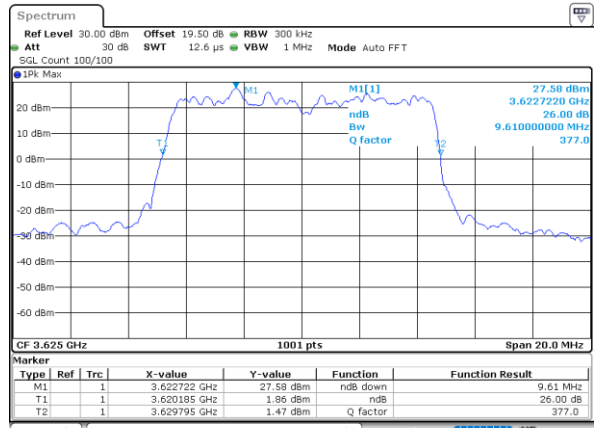
Date: 5.NOV.2020 22:25:02

Middle Channel / 10MHz / QPSK



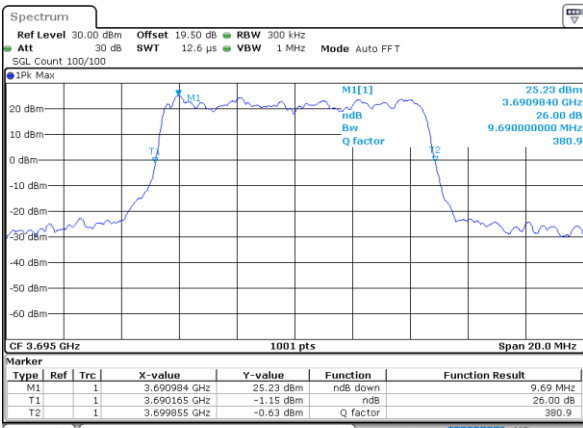
Date: 5.NOV.2020 22:17:38

Middle Channel / 10MHz / 16QAM



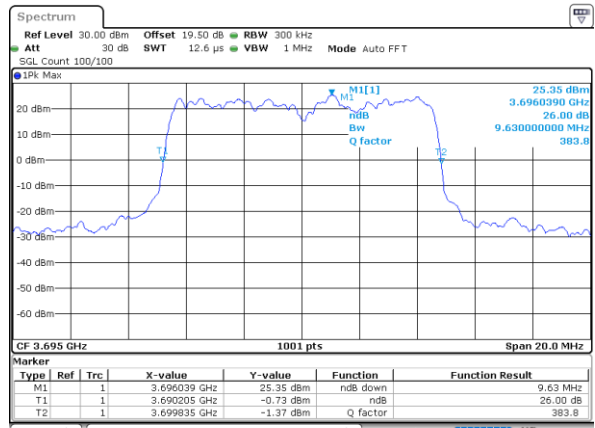
Date: 5.NOV.2020 22:28:30

Highest Channel / 10MHz / QPSK



Date: 5.NOV.2020 22:16:29

Highest Channel / 10MHz / 16QAM

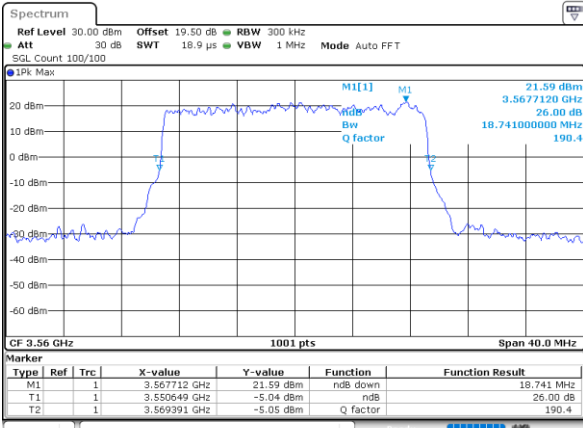


Date: 5.NOV.2020 22:36:40



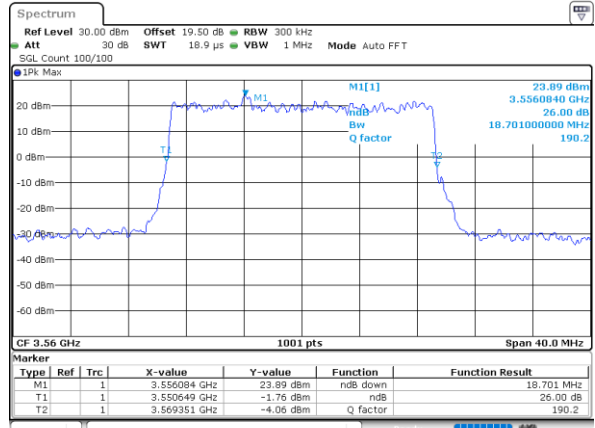
LTE Band 48

Lowest Channel / 20MHz / QPSK



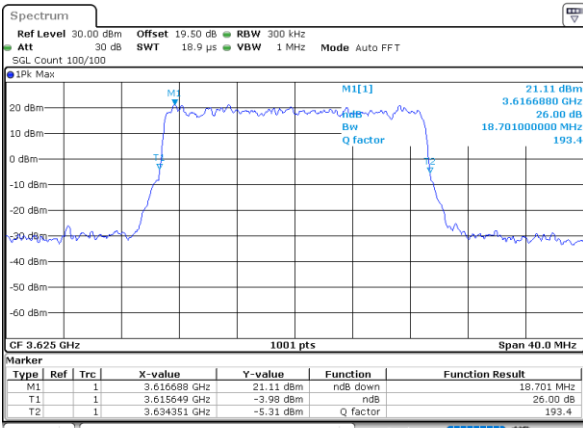
Date: 5.NOV.2020 20:21:46

Lowest Channel / 20MHz / 16QAM



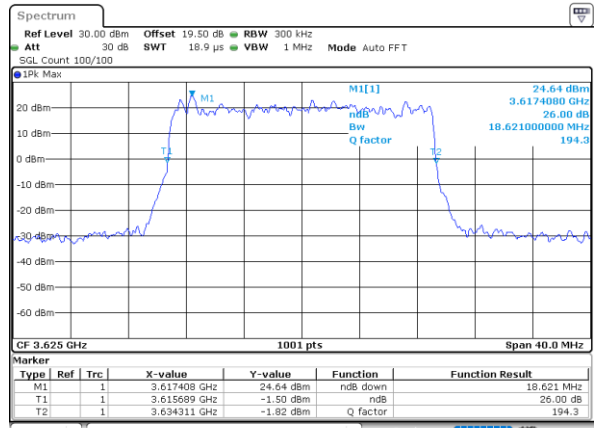
Date: 5.NOV.2020 21:25:25

Middle Channel / 20MHz / QPSK



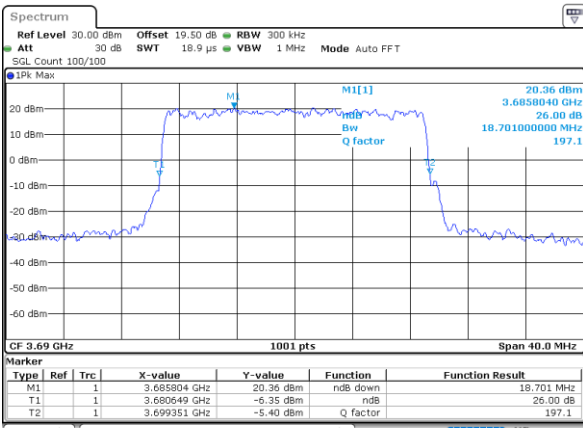
Date: 5.NOV.2020 20:26:42

Middle Channel / 20MHz / 16QAM



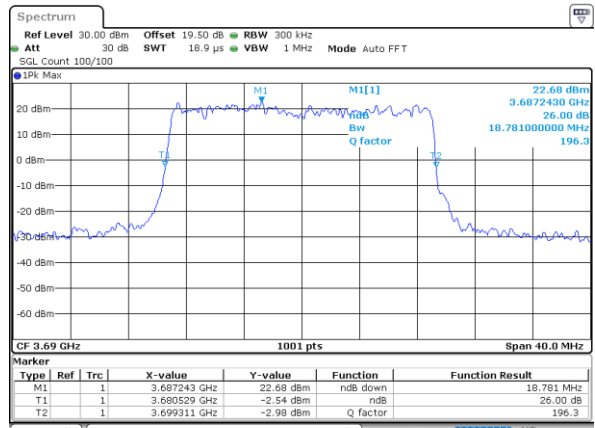
Date: 5.NOV.2020 21:09:14

Highest Channel / 20MHz / QPSK



Date: 5.NOV.2020 20:28:44

Highest Channel / 20MHz / 16QAM

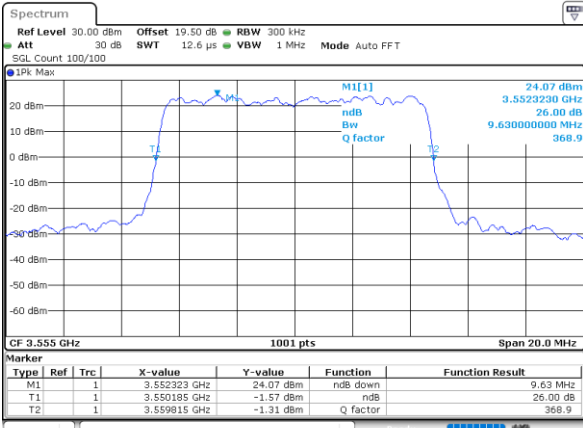


Date: 5.NOV.2020 20:34:32



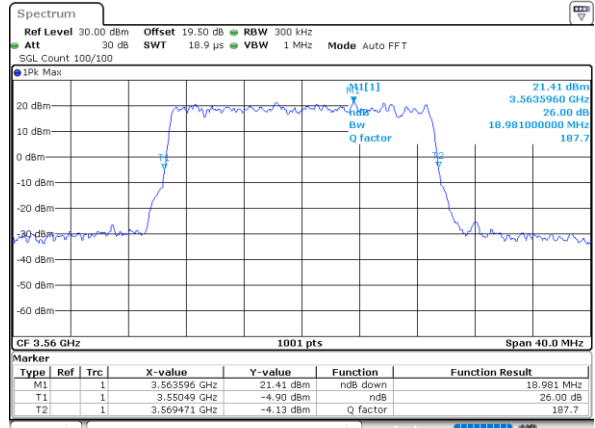
LTE Band 48

Lowest Channel / 10MHz / 64QAM



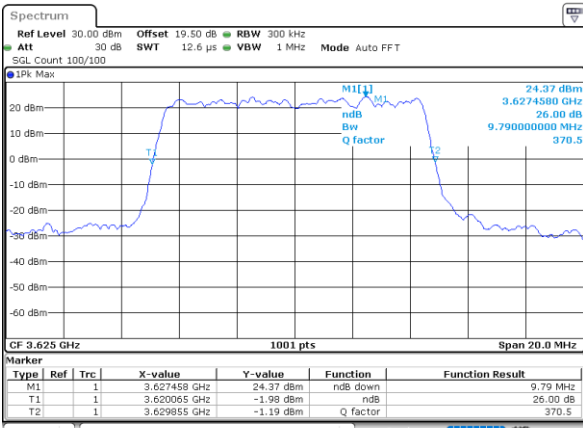
Date: 5.NOV.2020 22:44:26

Lowest Channel / 20MHz / 64QAM



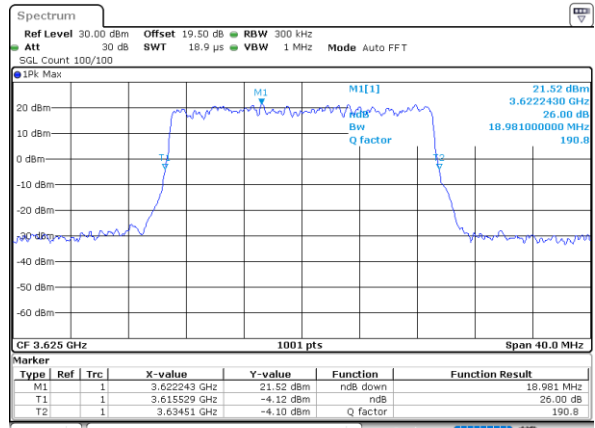
Date: 5.NOV.2020 21:54:16

Middle Channel / 10MHz / 64QAM



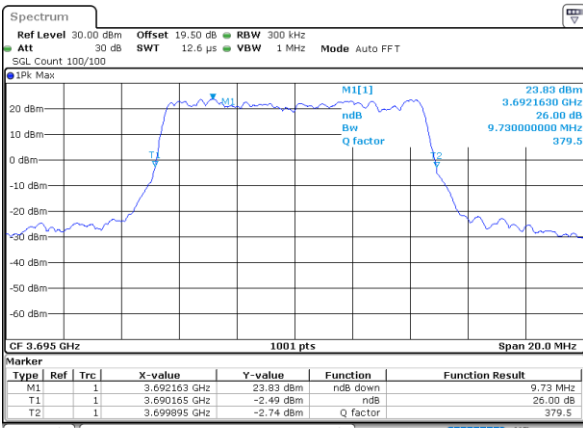
Date: 5.NOV.2020 22:42:56

Middle Channel / 20MHz / 64QAM



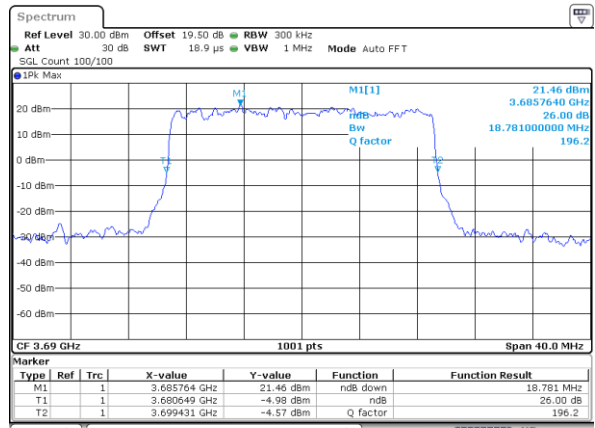
Date: 5.NOV.2020 22:00:45

Highest Channel / 10MHz / 64QAM



Date: 5.NOV.2020 22:40:20

Highest Channel / 20MHz / 64QAM



Date: 5.NOV.2020 22:03:59



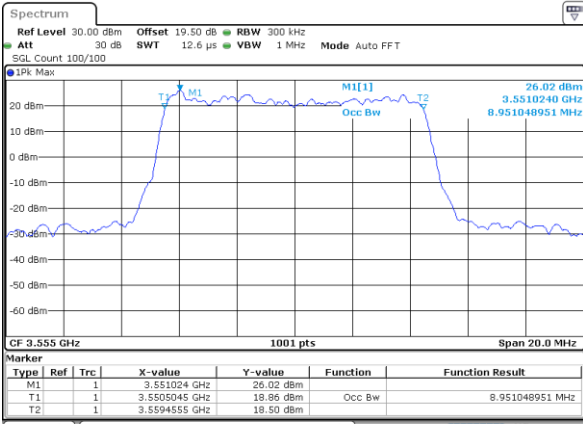
Occupied Bandwidth

Mode	LTE Band 48 : 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	-	-	-	-	-	-	8.95	9.03	-	-	17.82	17.98
Middle CH	-	-	-	-	-	-	8.97	8.89	-	-	17.82	17.90
Highest CH	-	-	-	-	-	-	8.95	9.01	-	-	17.82	17.86
Mode	LTE Band 48 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Lowest CH	-	-	-	-	-	-	8.95	-	-	-	17.82	-
Middle CH	-	-	-	-	-	-	8.97	-	-	-	17.82	-
Highest CH	-	-	-	-	-	-	8.95	-	-	-	17.90	-



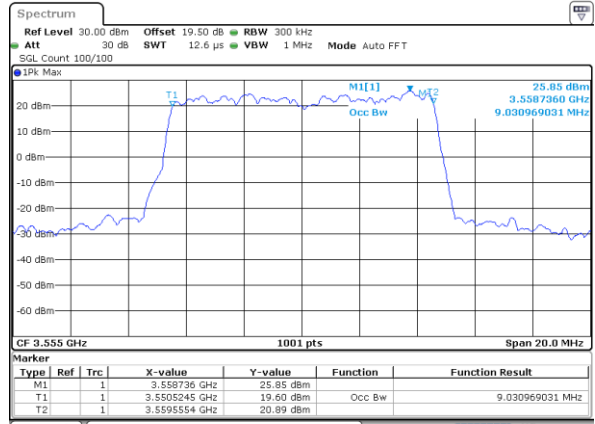
LTE Band 48

Lowest Channel / 10MHz / QPSK



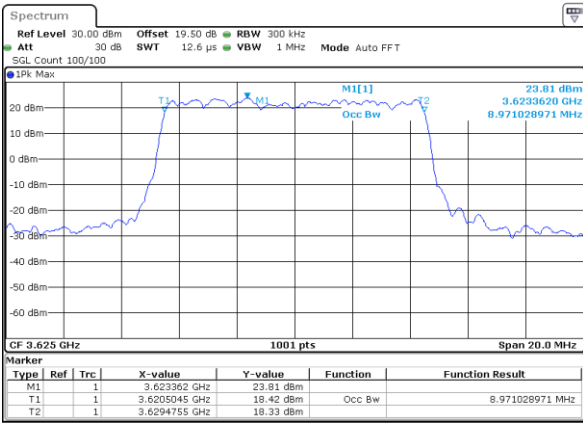
Date: 5.NOV.2020 22:19:56

Lowest Channel / 10MHz / 16QAM



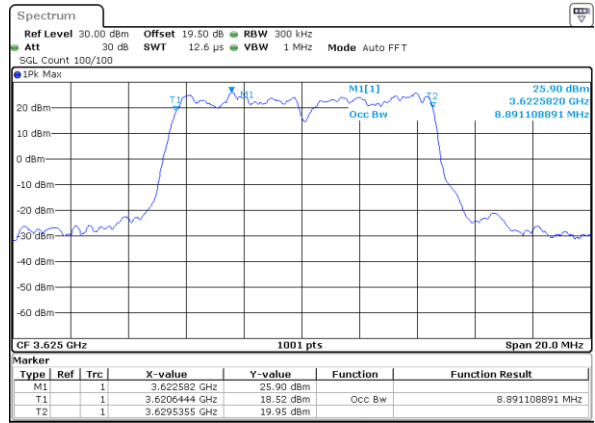
Date: 5.NOV.2020 22:24:37

Middle Channel / 10MHz / QPSK



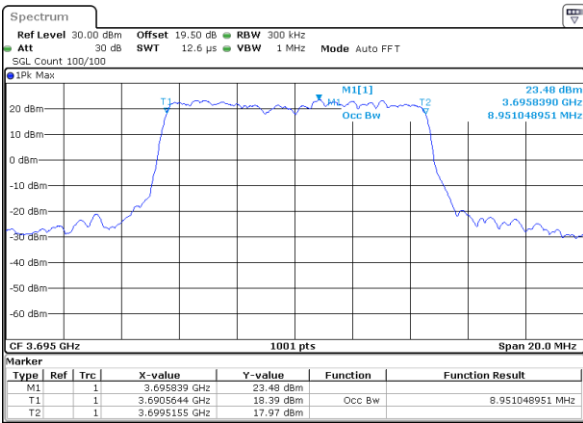
Date: 5.NOV.2020 22:17:26

Middle Channel / 10MHz / 16QAM



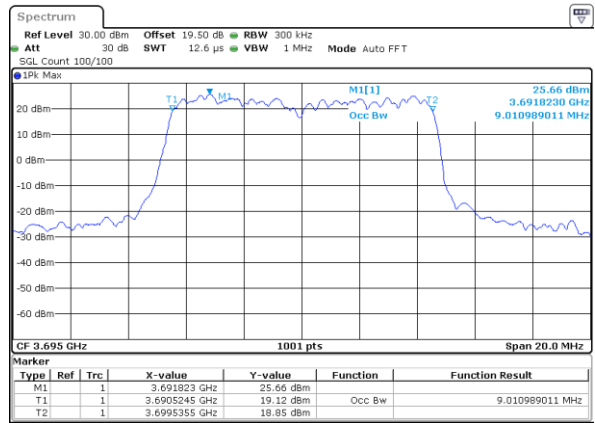
Date: 5.NOV.2020 22:28:15

Highest Channel / 10MHz / QPSK



Date: 5.NOV.2020 22:15:44

Highest Channel / 10MHz / 16QAM

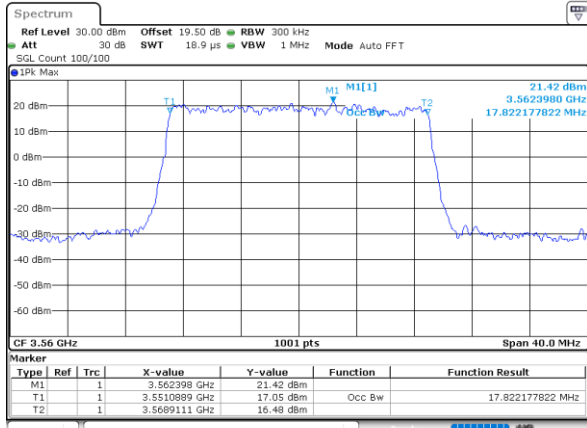


Date: 5.NOV.2020 22:36:26



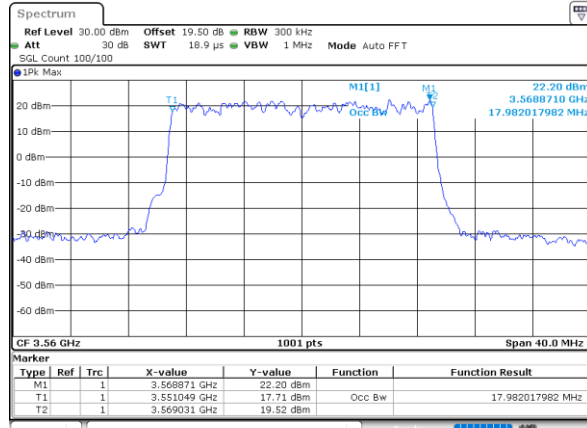
LTE Band 48

Lowest Channel / 20MHz / QPSK



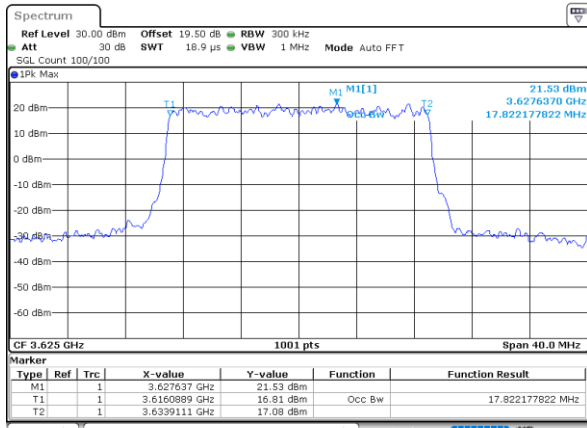
Date: 5.NOV.2020 20:20:53

Lowest Channel / 20MHz / 16QAM



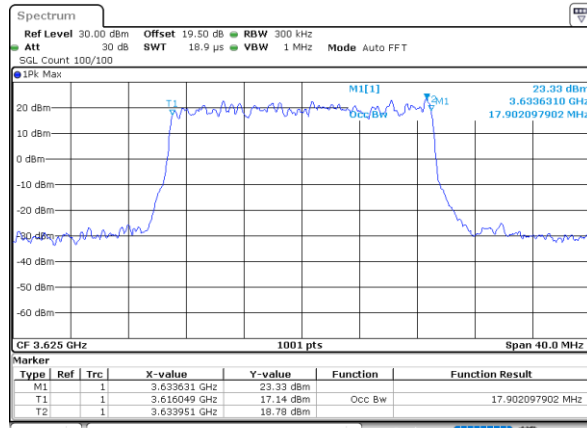
Date: 5.NOV.2020 21:24:44

Middle Channel / 20MHz / QPSK



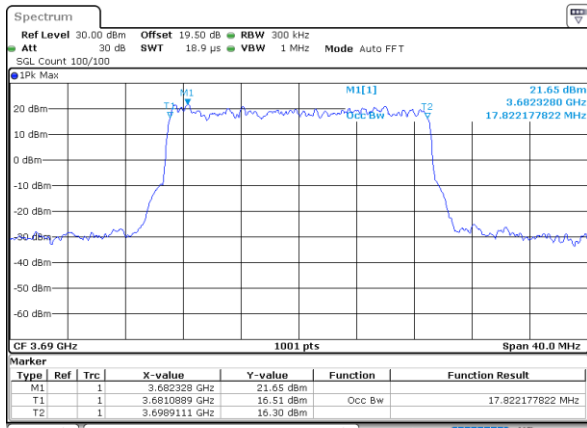
Date: 5.NOV.2020 20:26:15

Middle Channel / 20MHz / 16QAM



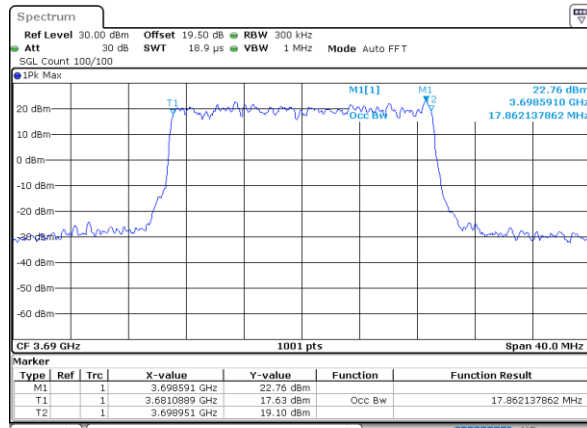
Date: 5.NOV.2020 21:08:53

Highest Channel / 20MHz / QPSK



Date: 5.NOV.2020 20:28:22

Highest Channel / 20MHz / 16QAM

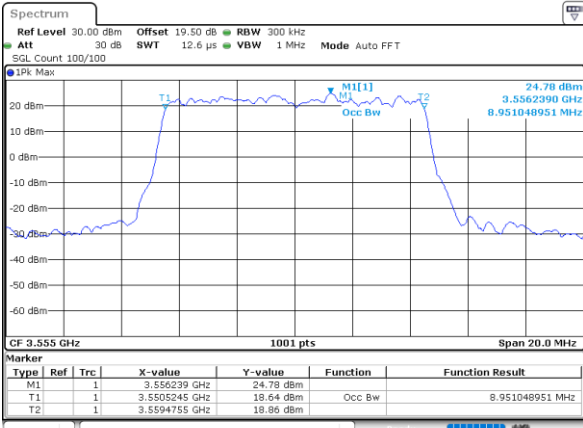


Date: 5.NOV.2020 20:33:47



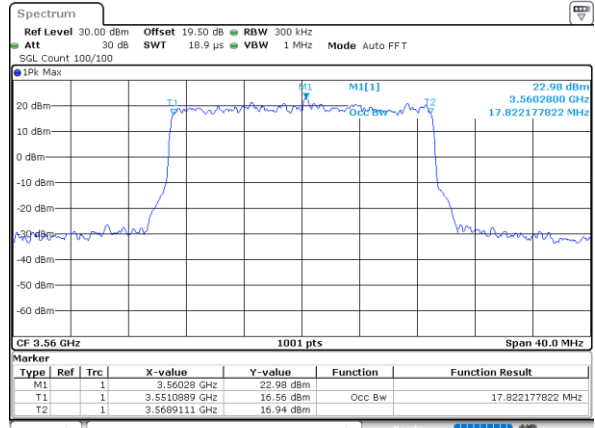
LTE Band 48

Lowest Channel / 10MHz / 64QAM



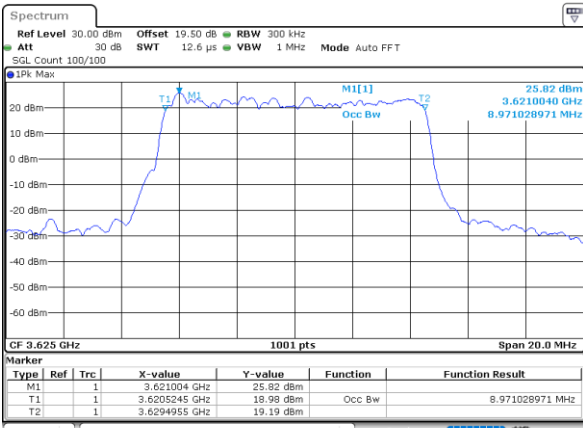
Date: 5.NOV.2020 22:43:53

Lowest Channel / 20MHz / 64QAM



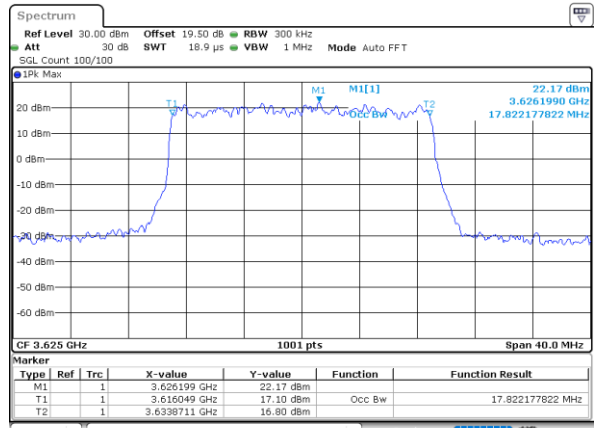
Date: 5.NOV.2020 21:53:30

Middle Channel / 10MHz / 64QAM



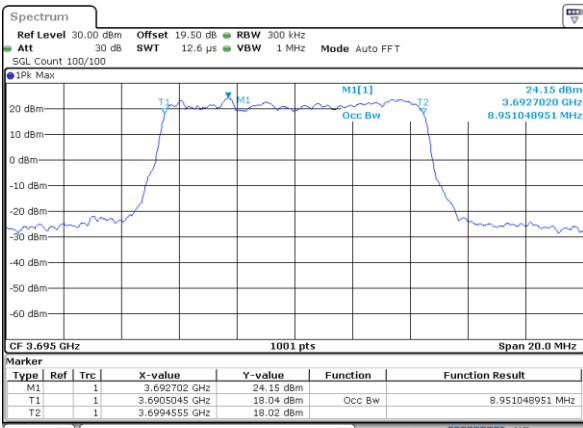
Date: 5.NOV.2020 22:42:43

Middle Channel / 20MHz / 64QAM



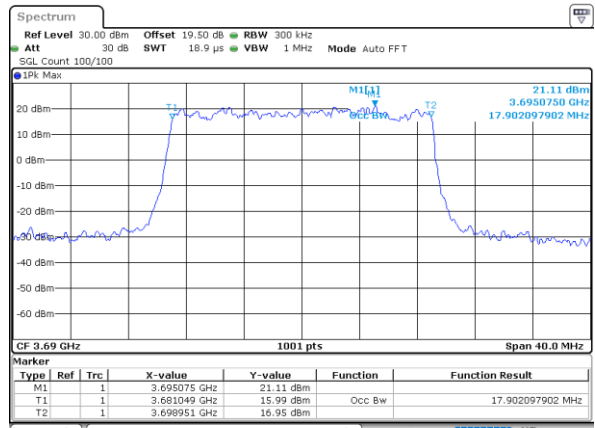
Date: 5.NOV.2020 22:00:07

Highest Channel / 10MHz / 64QAM



Date: 5.NOV.2020 22:39:56

Highest Channel / 20MHz / 64QAM



Date: 5.NOV.2020 22:03:36



Power Density

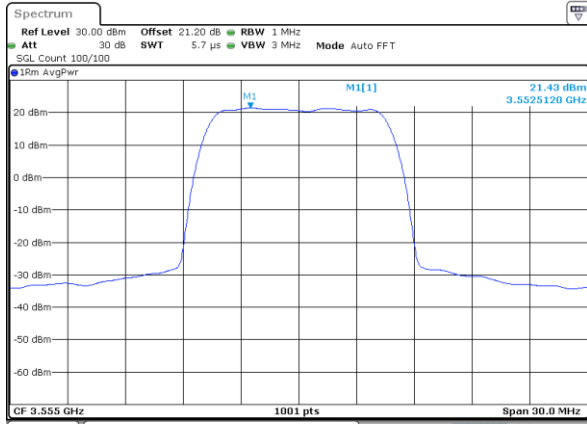
Mode	LTE Band 48 : Conducted Power Density (dBm/MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	-	-	21.43	21.63	-	-	19.32	18.20
Middle CH	-	-	-	-	-	-	21.53	21.38	-	-	18.60	18.10
Highest CH	-	-	-	-	-	-	21.08	20.99	-	-	18.03	17.59
Mode	LTE Band 48 : Conducted Power Density (dBm/MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Lowest CH	-	-	-	-	-	-	22.34	-	-	-	18.91	-
Middle CH	-	-	-	-	-	-	21.28	-	-	-	17.94	-
Highest CH	-	-	-	-	-	-	20.97	-	-	-	17.86	-

Mode	LTE Band 48 : EIRP Power Density (dBm/MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	-	-	34.63	34.83	-	-	32.52	31.4
Middle CH	-	-	-	-	-	-	34.73	34.58	-	-	31.8	31.3
Highest CH	-	-	-	-	-	-	34.28	34.19	-	-	31.23	30.79
Mode	LTE Band 48 : EIRP Power Density (dBm/MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Lowest CH	-	-	-	-	-	-	35.54	-	-	-	32.11	-
Middle CH	-	-	-	-	-	-	34.48	-	-	-	31.14	-
Highest CH	-	-	-	-	-	-	34.17	-	-	-	31.06	-
Antenna Gain	13.2 dBi											
Limit	37dBm / MHz											
Result	Pass											



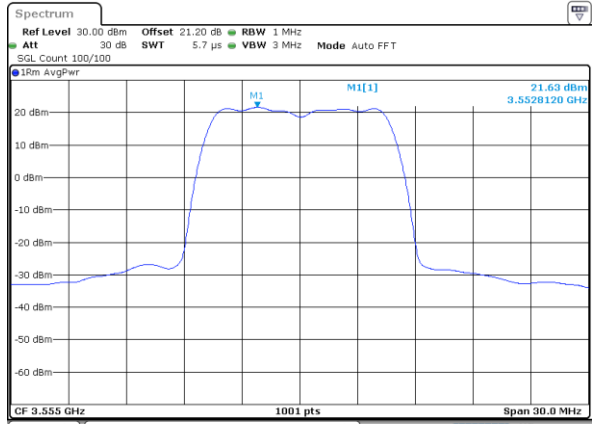
LTE Band 48 / 10MHz

Lowest Channel / 10MHz / Full / QPSK



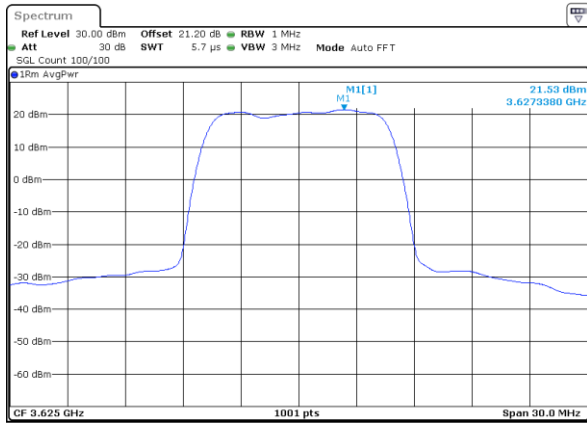
Date: 5.NOV.2020 22:19:09

Lowest Channel / 10MHz / Full / 16QAM



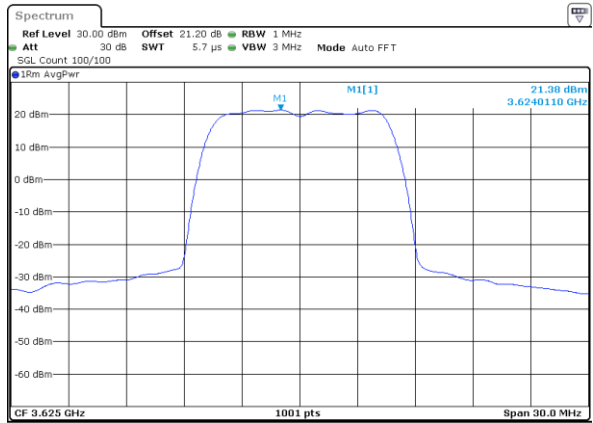
Date: 5.NOV.2020 22:26:24

Middle Channel / 10MHz / Full / QPSK



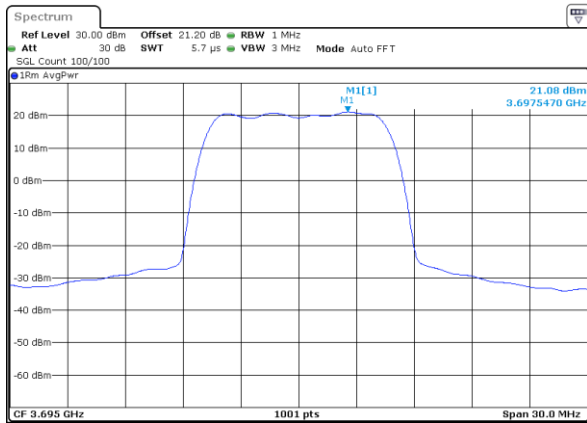
Date: 5.NOV.2020 22:18:02

Middle Channel / 10MHz / Full / 16QAM



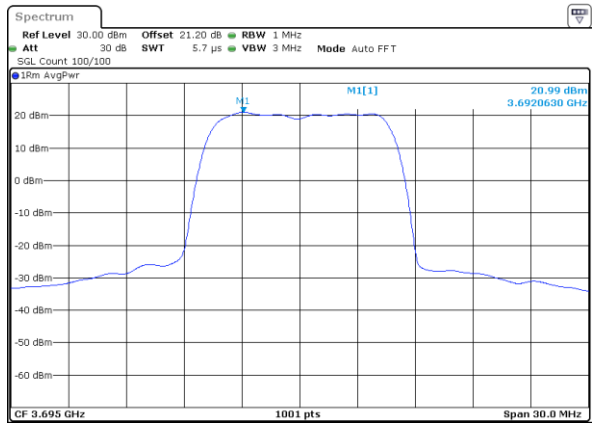
Date: 5.NOV.2020 22:27:15

Highest Channel / 10MHz / Full / QPSK



Date: 5.NOV.2020 22:14:58

Highest Channel / 10MHz / Full / 16QAM

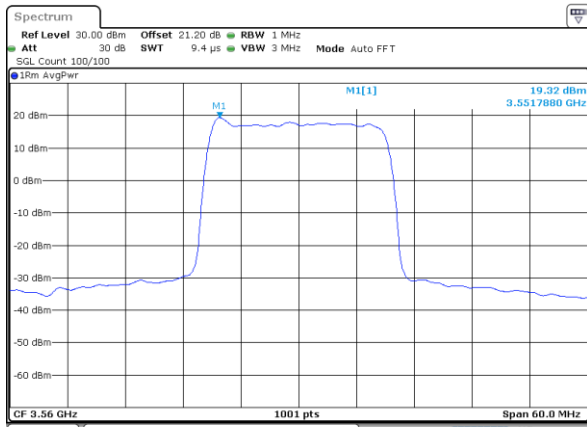


Date: 5.NOV.2020 22:34:34



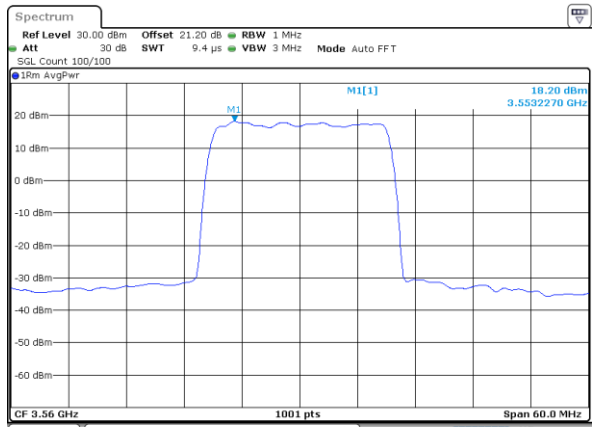
LTE Band 48 / 20MHz

Lowest Channel / 20MHz / Full / QPSK



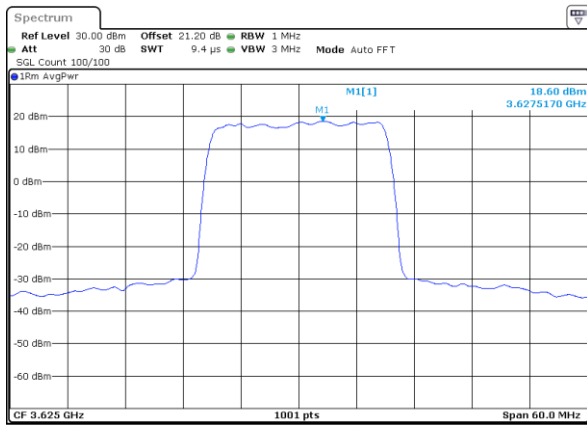
Date: 5.NOV.2020 20:23:55

Lowest Channel / 20MHz / Full / 16QAM



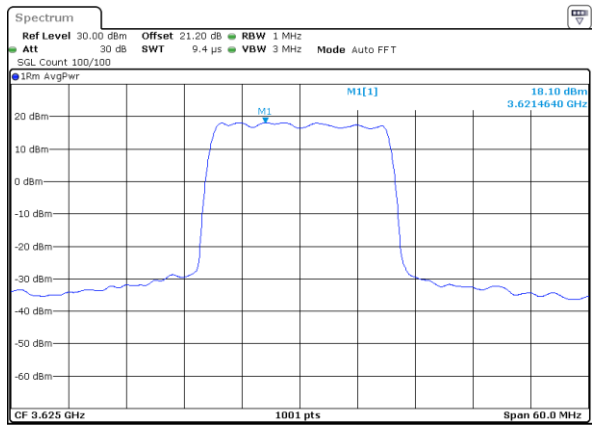
Date: 5.NOV.2020 21:23:53

Middle Channel / 20MHz / Full / QPSK



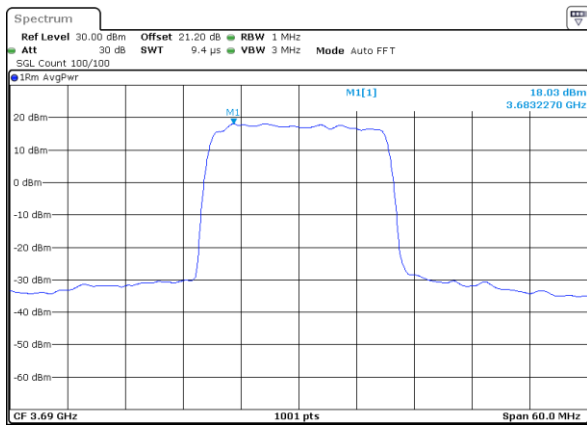
Date: 5.NOV.2020 20:25:04

Middle Channel / 20MHz / Full / 16QAM



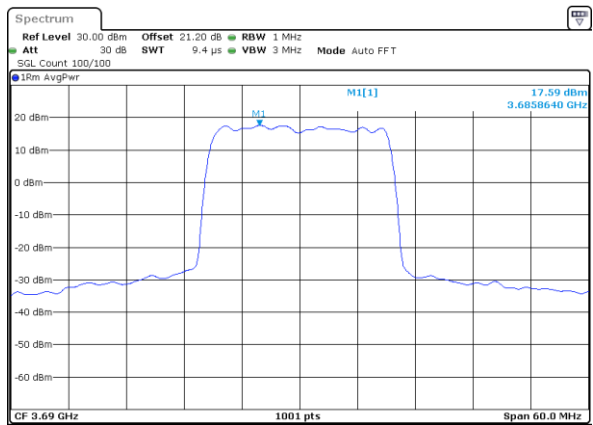
Date: 5.NOV.2020 21:22:16

Highest Channel / 20MHz / Full / QPSK



Date: 5.NOV.2020 20:29:19

Highest Channel / 20MHz / Full / 16QAM

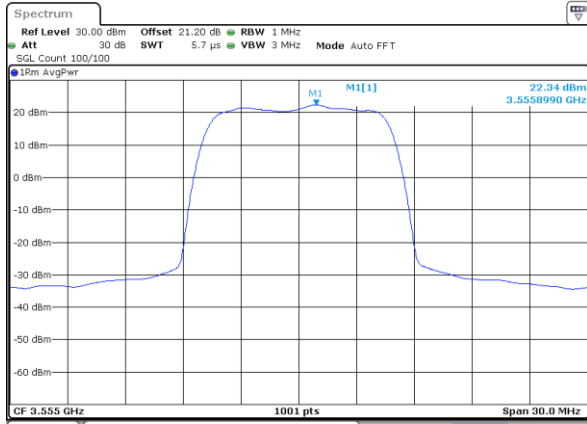


Date: 5.NOV.2020 20:32:18



LTE Band 48 / 10MHz

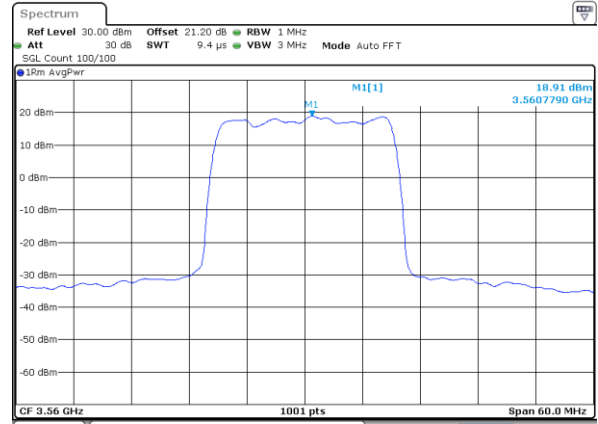
Lowest Channel / 10MHz / Full / 64QAM



Date: 5.NOV.2020 22:45:02

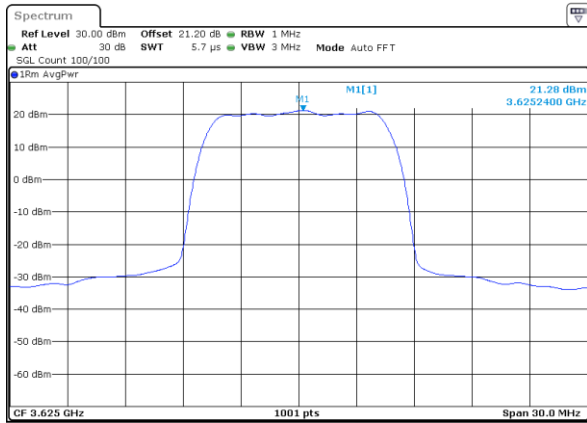
LTE Band 48 / 20MHz

Lowest Channel / 20MHz / Full / 64QAM



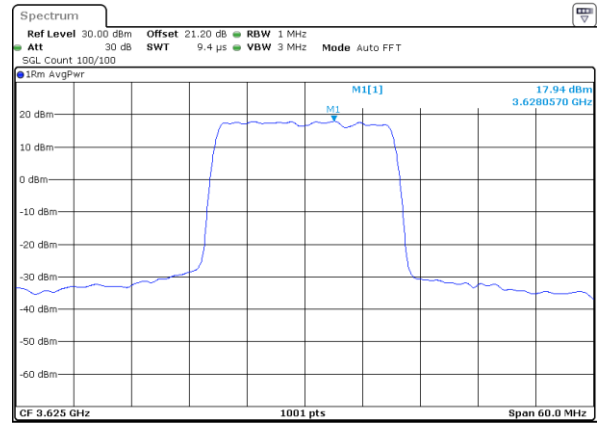
Date: 5.NOV.2020 21:55:25

Middle Channel / 10MHz / Full / 64QAM



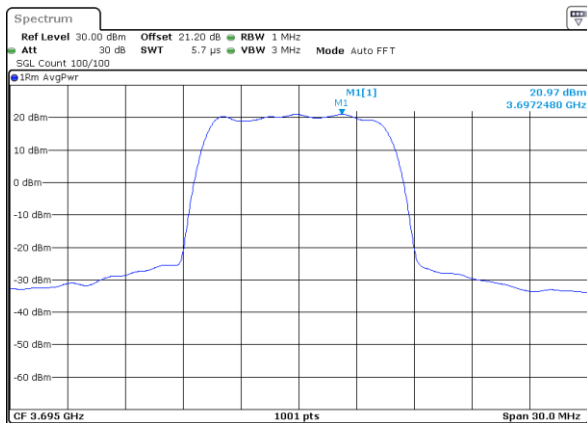
Date: 5.NOV.2020 22:41:57

Middle Channel / 20MHz / Full / 64QAM



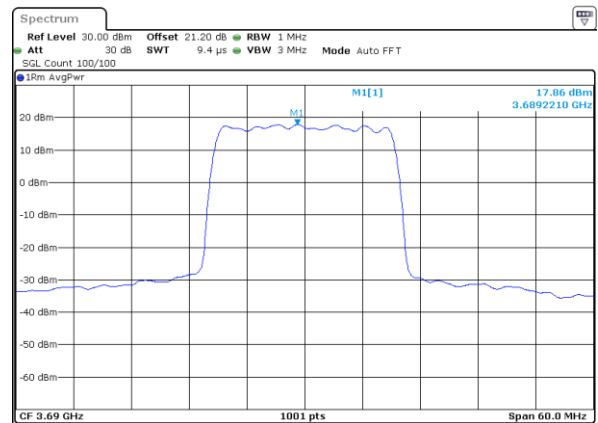
Date: 5.NOV.2020 21:58:40

Highest Channel / 10MHz / Full / 64QAM



Date: 5.NOV.2020 22:40:45

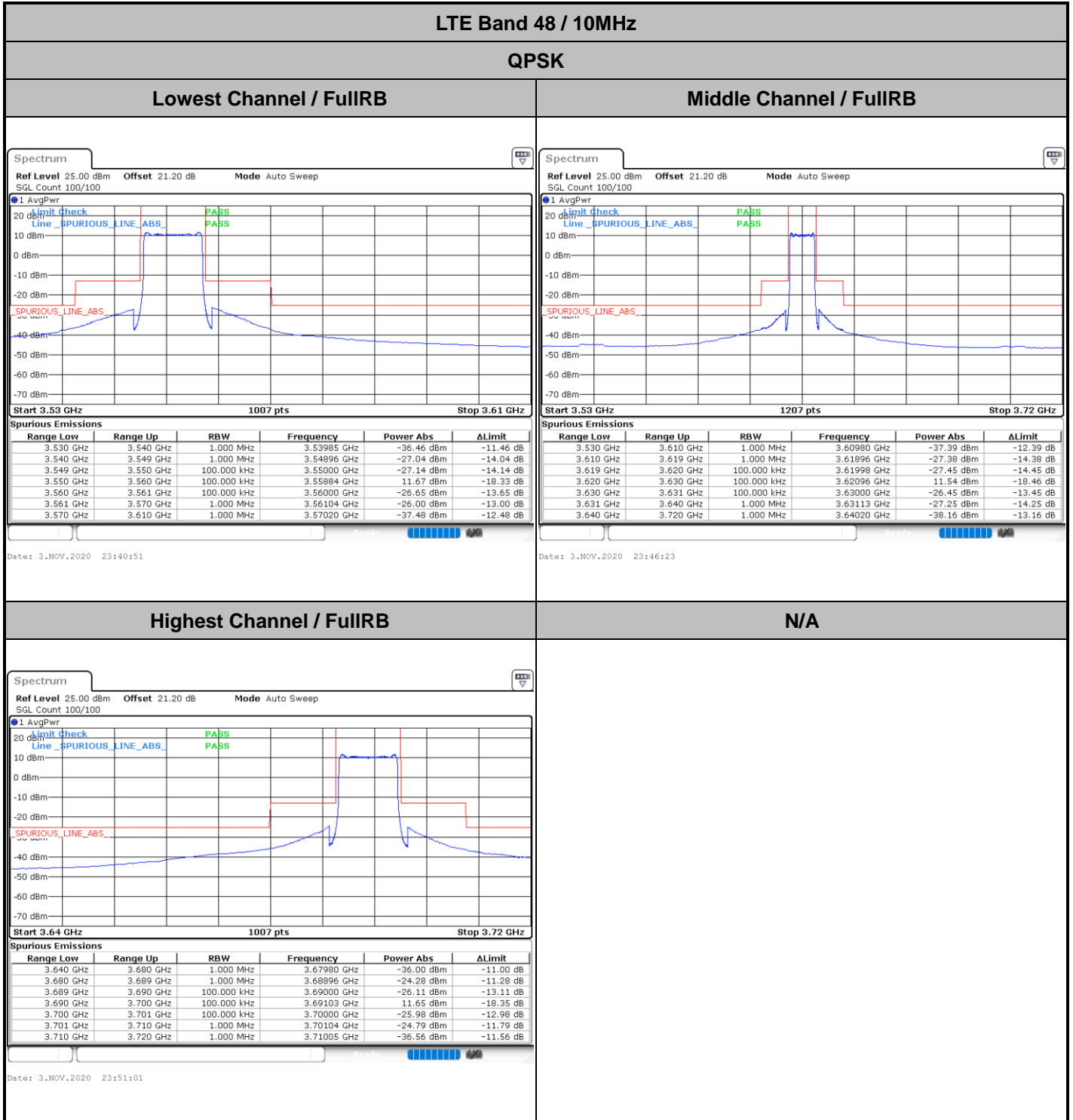
Highest Channel / 20MHz / Full / 64QAM



Date: 5.NOV.2020 22:05:21



Conducted Band Edge



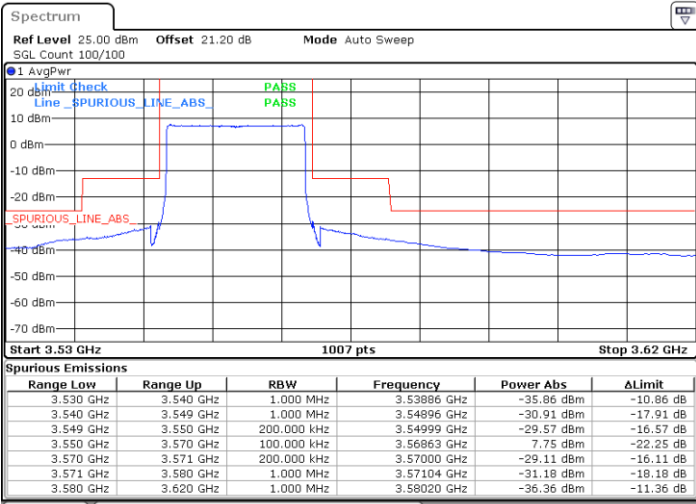


LTE Band 48 / 20MHz

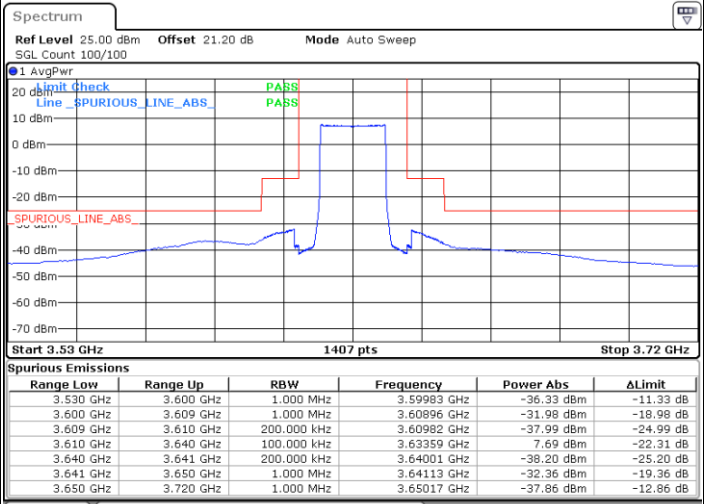
QPSK

Lowest Channel / FullIRB

Middle Channel / FullIRB



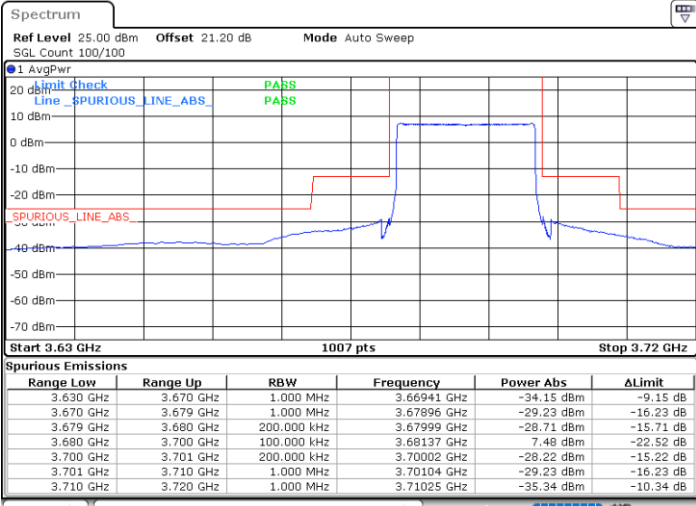
Date: 3.NOV.2020 22:43:59



Date: 3.NOV.2020 22:48:55

Highest Channel / FullIRB

N/A



Date: 3.NOV.2020 22:52:19

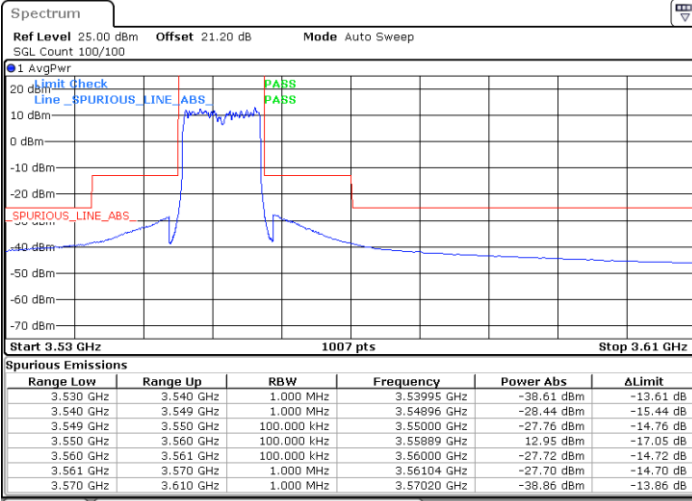


LTE Band 48 / 10MHz

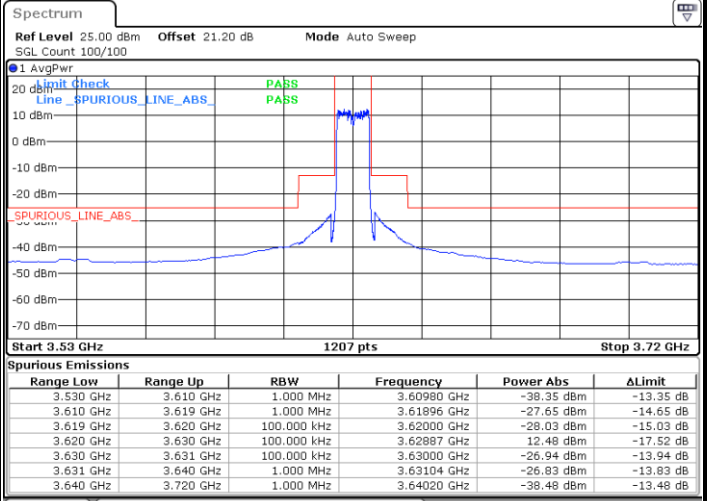
16QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



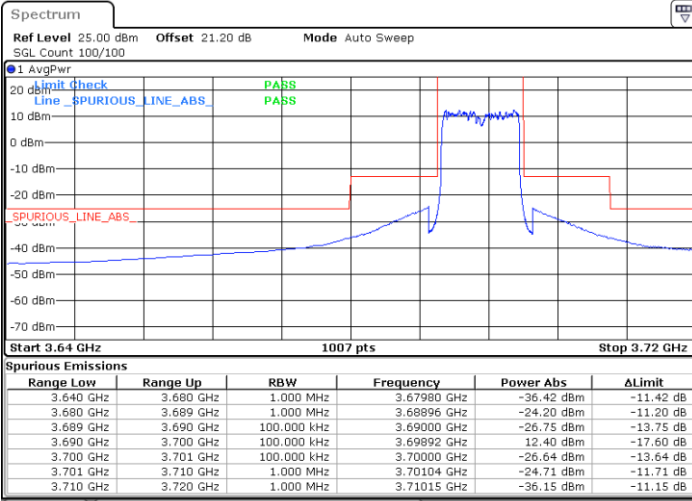
Date: 4.NOV.2020 00:09:35



Date: 4.NOV.2020 00:03:39

Highest Channel / FullIRB

N/A



Date: 3.NOV.2020 23:56:34

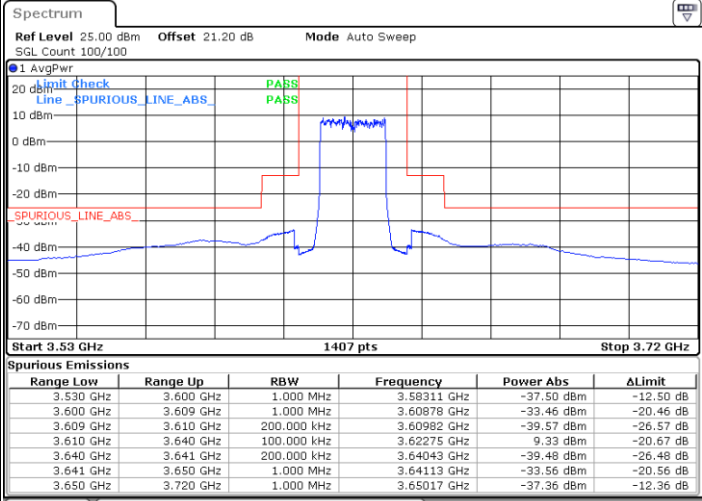
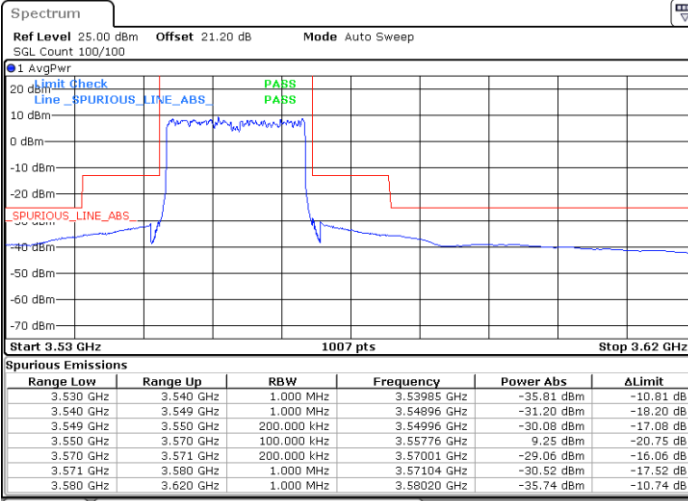


LTE Band 48 / 20MHz

16QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB

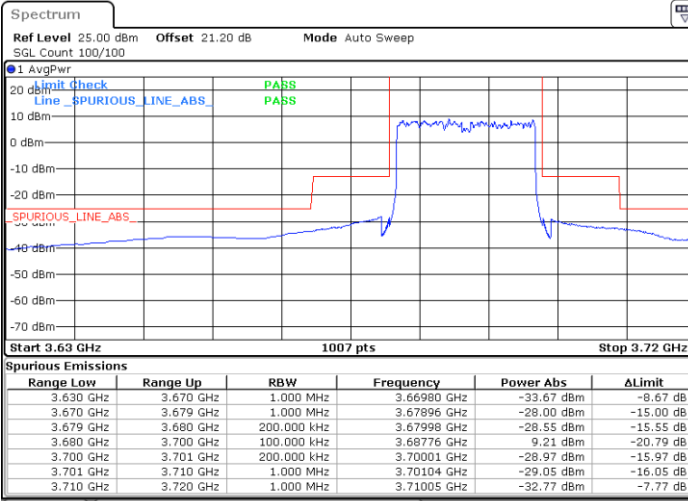


Date: 3.NOV.2020 23:10:21

Date: 3.NOV.2020 23:06:55

Highest Channel / FullIRB

N/A



Date: 3.NOV.2020 22:57:13

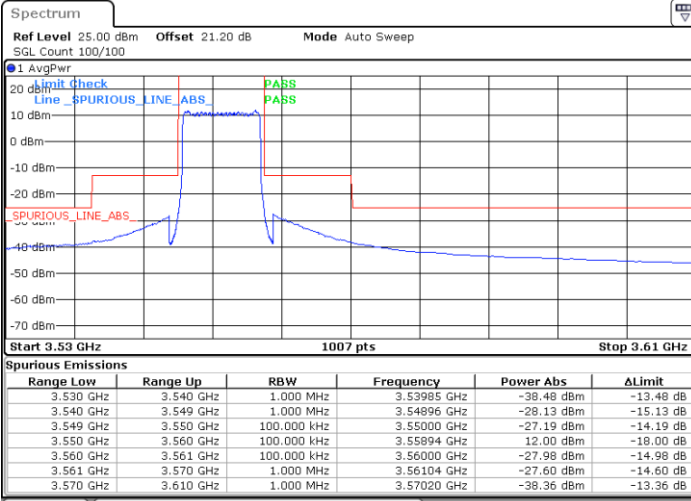


LTE Band 48 / 10MHz

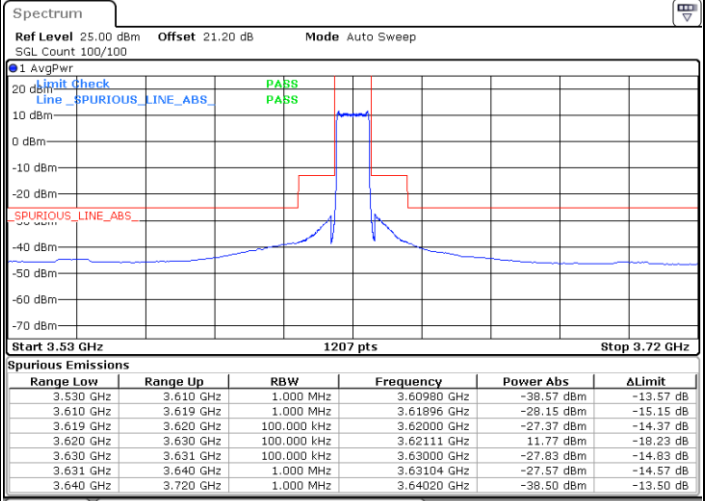
64QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



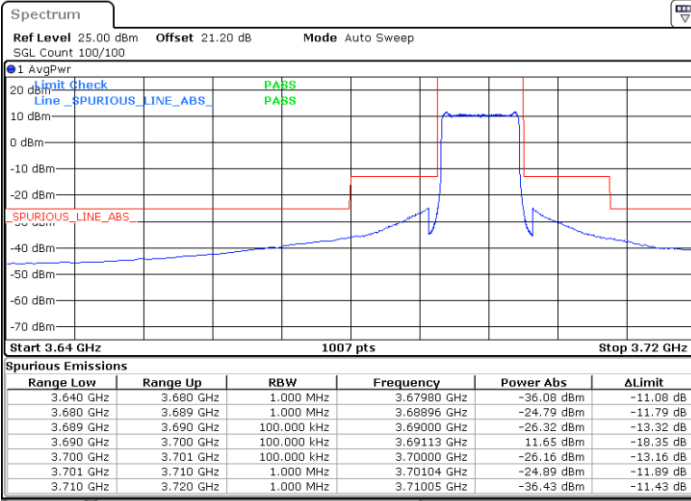
Date: 4.NOV.2020 00:22:17



Date: 4.NOV.2020 00:28:06

Highest Channel / FullIRB

N/A



Date: 4.NOV.2020 00:45:51

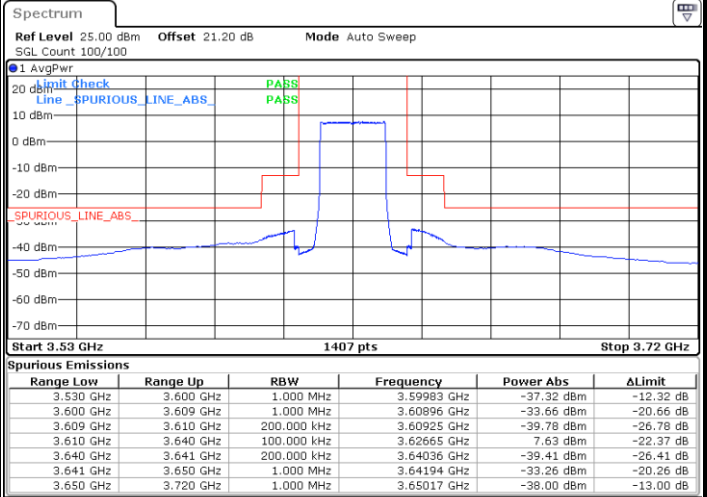
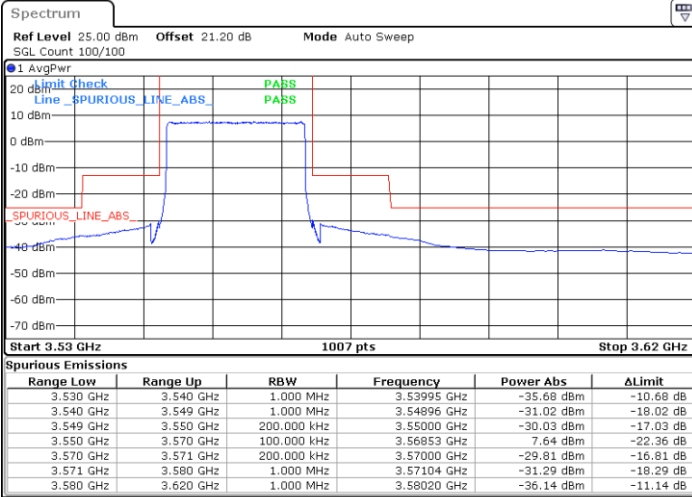


LTE Band 48 / 20MHz

64QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB

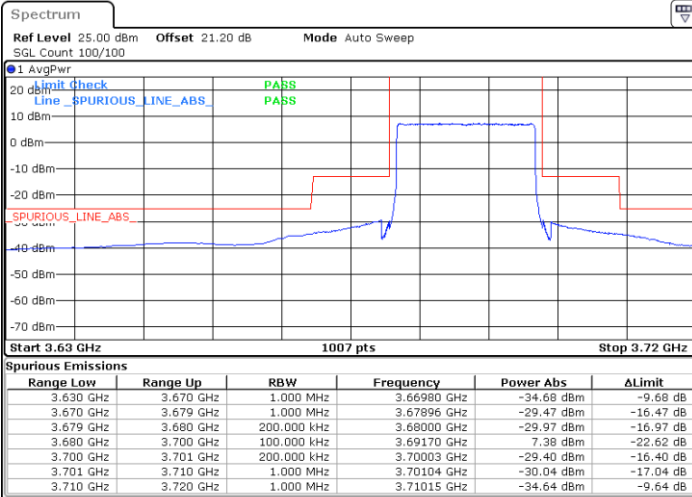


Date: 3.NOV.2020 23:31:03

Date: 3.NOV.2020 23:25:28

Highest Channel / FullIRB

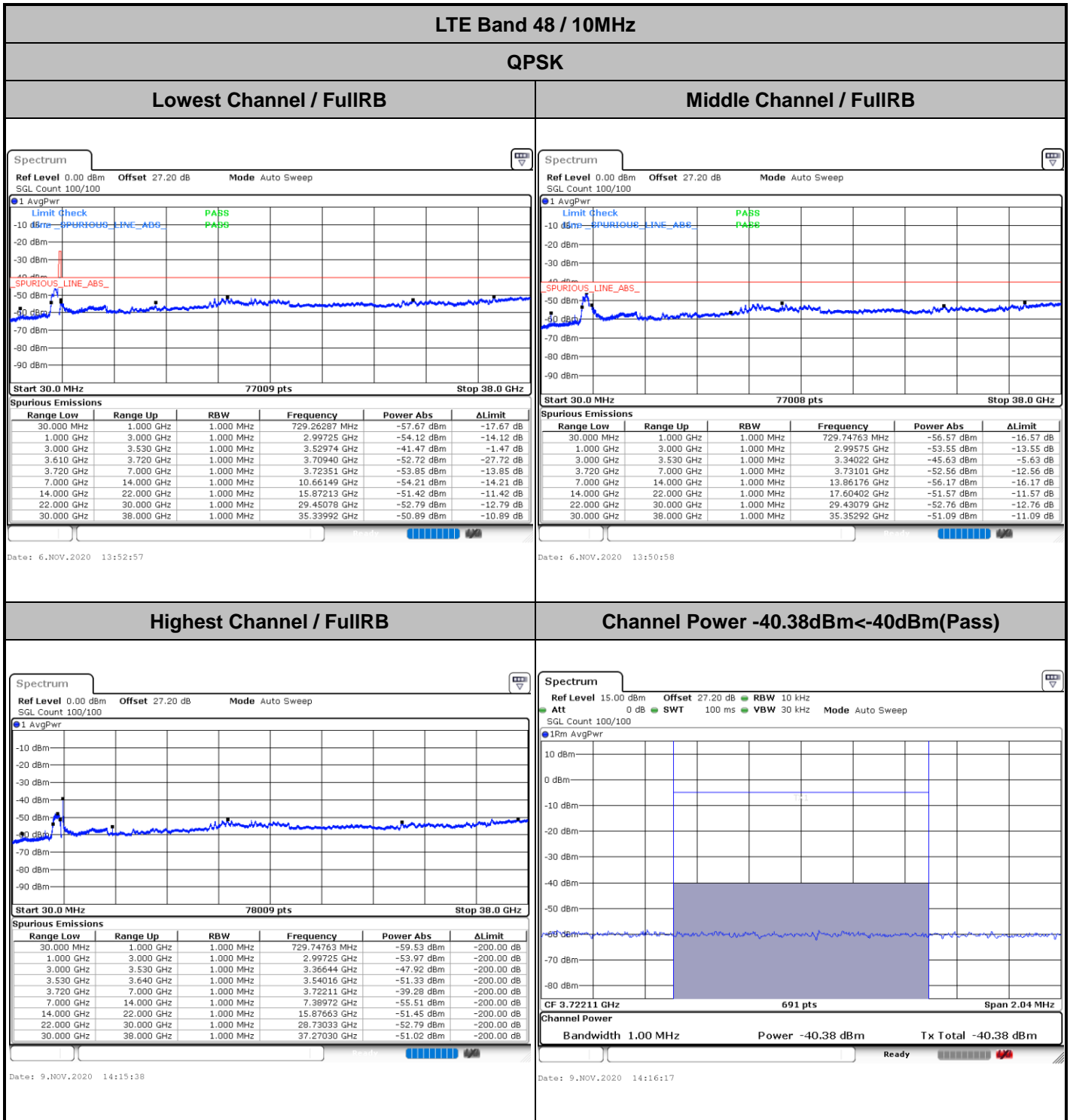
N/A



Date: 3.NOV.2020 23:22:02



Conducted Spurious Emission



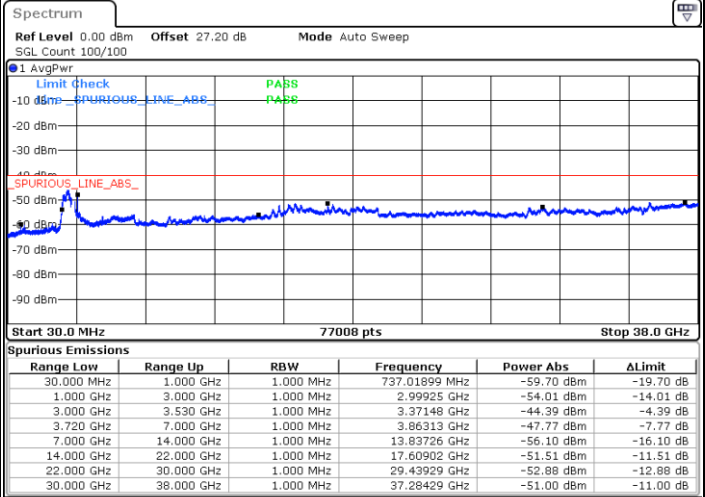
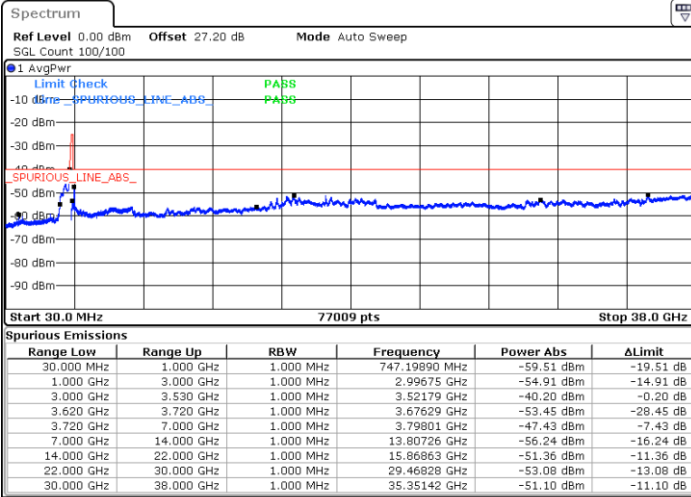


LTE Band 48 / 20MHz

QPSK

Lowest Channel / FullIRB

Middle Channel / FullIRB

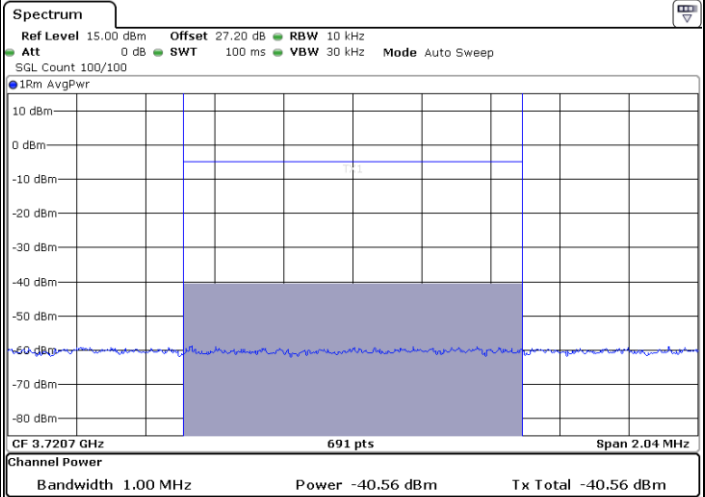
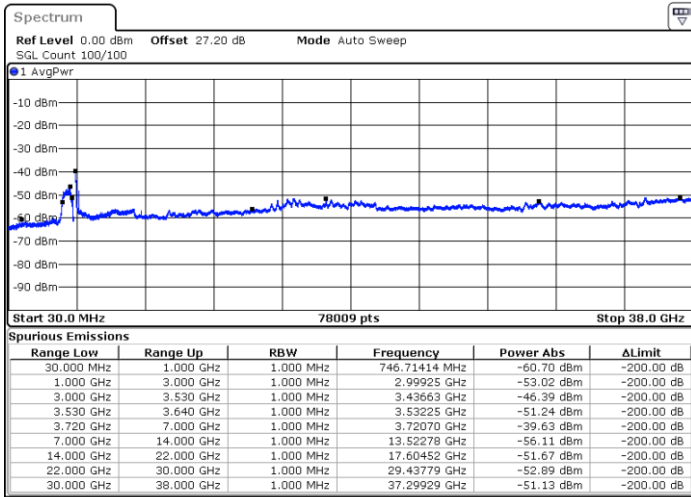


Date: 6.NOV.2020 14:19:46

Date: 6.NOV.2020 14:12:27

Highest Channel / FullIRB

Channel Power -40.56dBm<-40dBm(Pass)



Date: 9.NOV.2020 15:17:11

Date: 9.NOV.2020 15:18:04

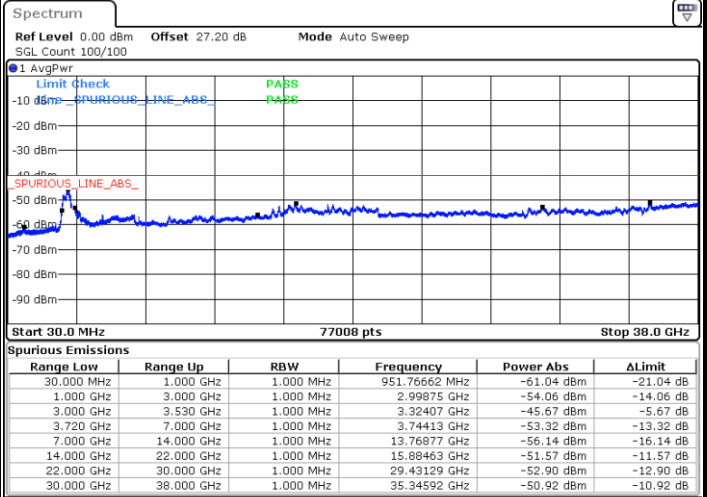
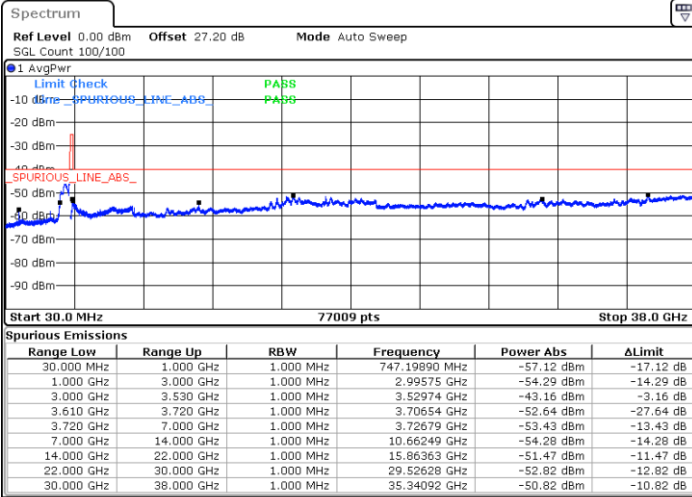


LTE Band 48 / 10MHz

16QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB

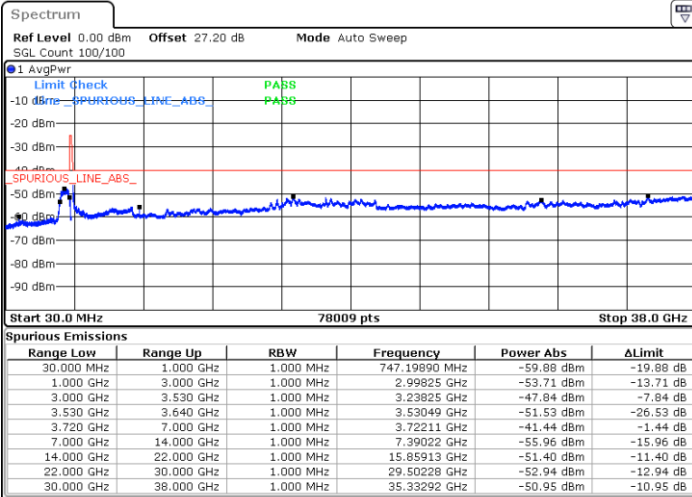


Date: 6.NOV.2020 14:03:56

Date: 6.NOV.2020 13:59:26

Highest Channel / FullIRB

N/A



Date: 9.NOV.2020 14:35:57

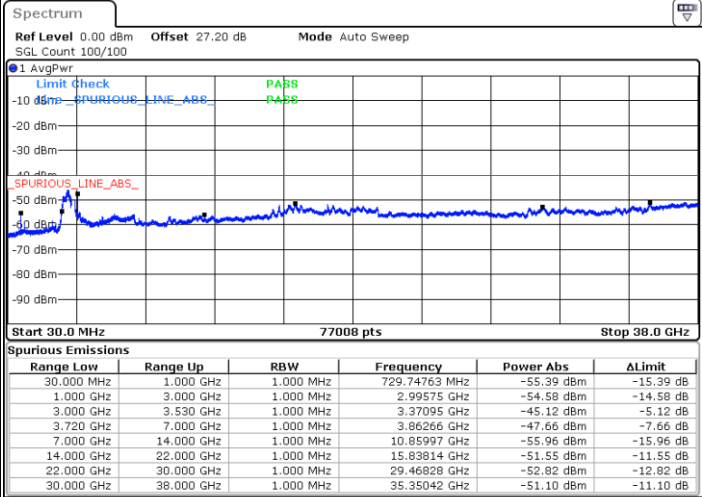
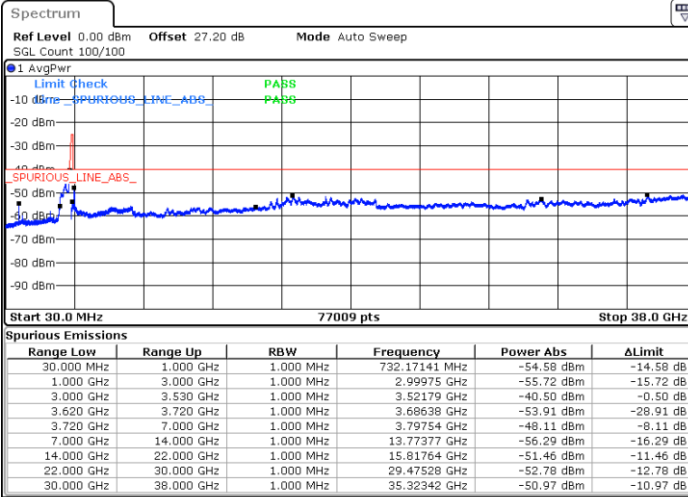


LTE Band 48 / 20MHz

16QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB

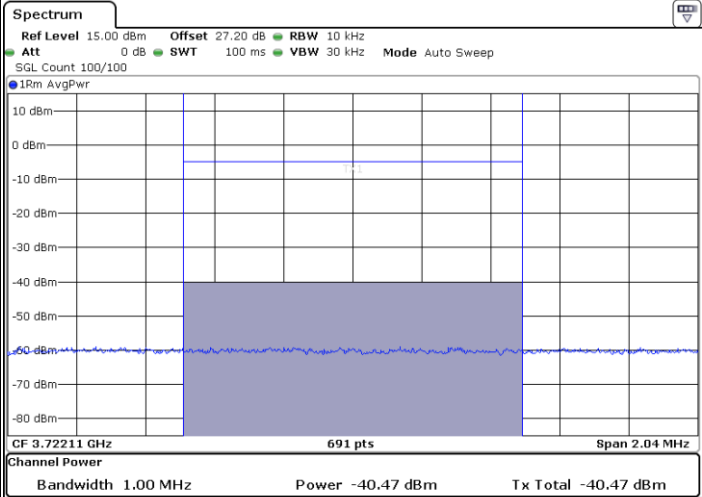
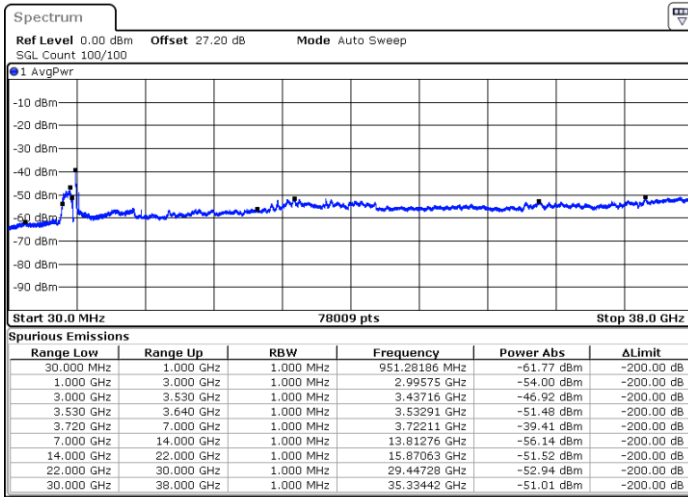


Date: 6.NOV.2020 14:30:34

Date: 6.NOV.2020 14:32:06

Highest Channel / FullIRB

Channel Power -40.47dBm<-40dBm(Pass)



Date: 9.NOV.2020 15:36:55

Date: 9.NOV.2020 15:37:31

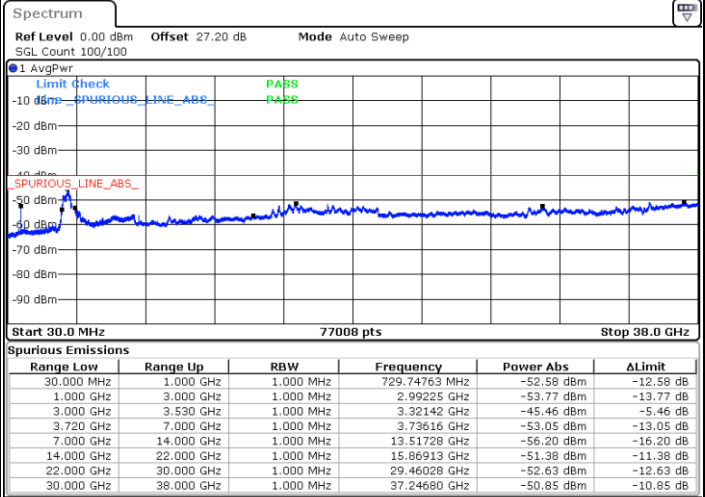
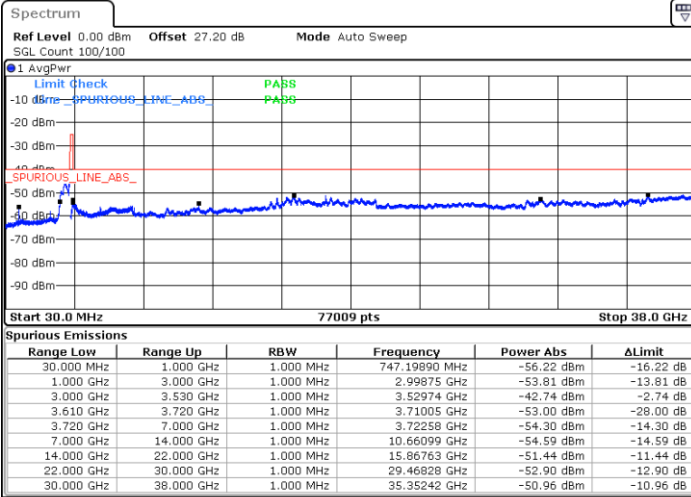


LTE Band 48 / 10MHz

64QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB

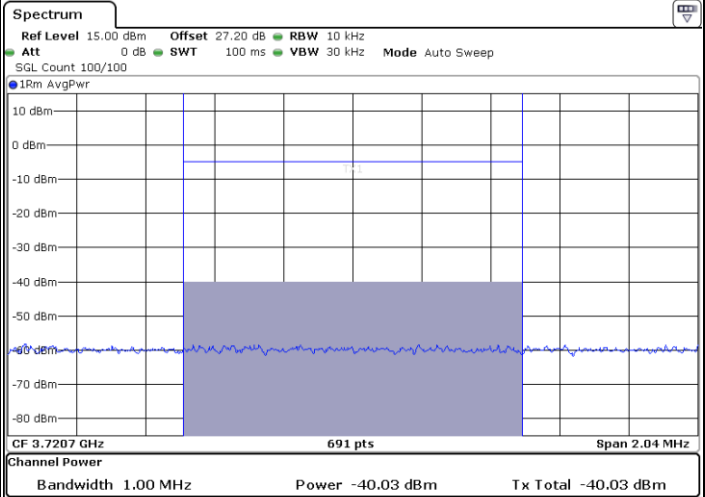
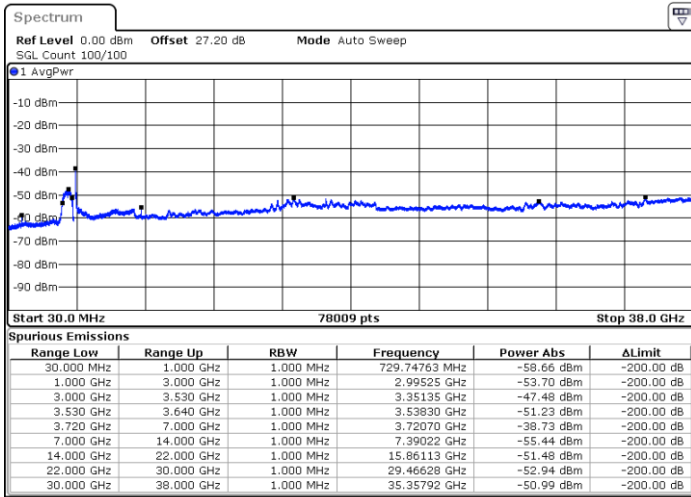


Date: 6.NOV.2020 14:07:52

Date: 6.NOV.2020 14:09:39

Highest Channel / FullIRB

Channel Power -40.03dBm<-40dBm(Pass)



Date: 9.NOV.2020 14:38:52

Date: 9.NOV.2020 14:40:08

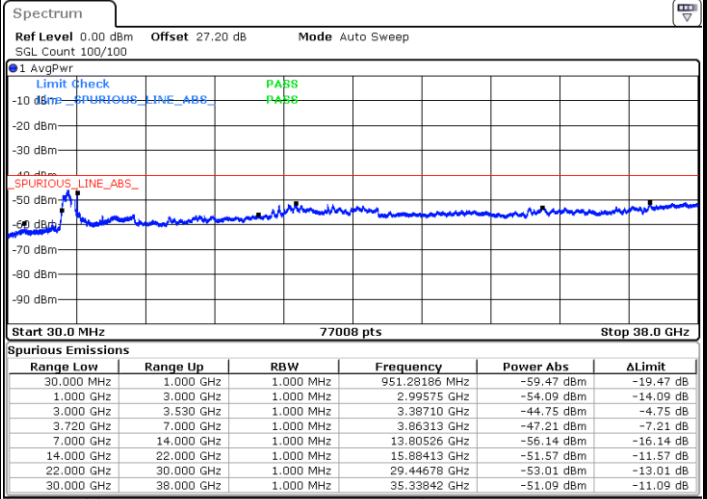
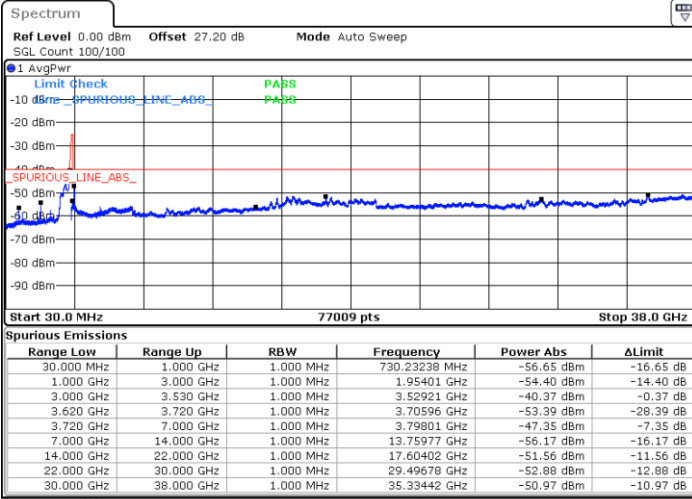


LTE Band 48 / 20MHz

64QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB

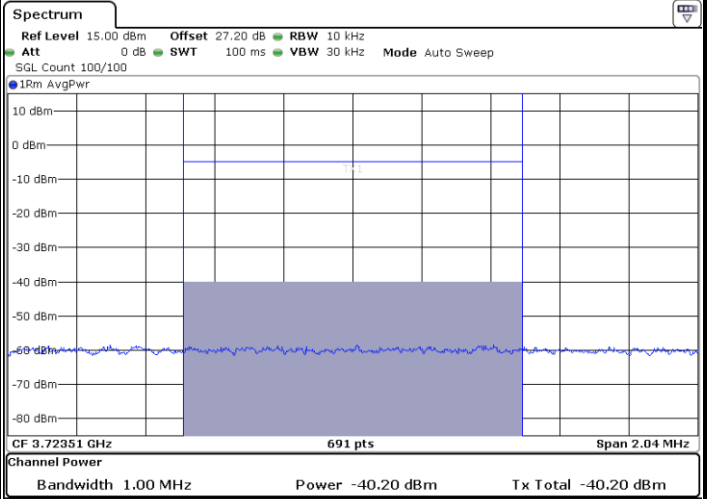
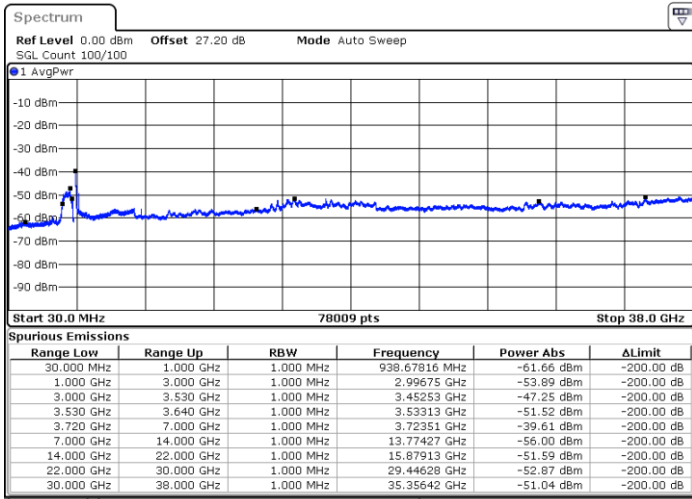


Date: 6.NOV.2020 14:51:38

Date: 6.NOV.2020 14:38:32

Highest Channel / FullIRB

Channel Power -40.20dBm<-40dBm(Pass)



Date: 9.NOV.2020 15:42:56

Date: 9.NOV.2020 15:43:30



LTE Band 48

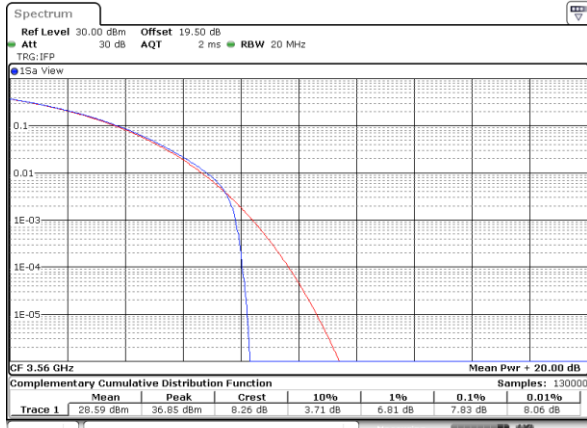
Peak-to-Average Ratio

Mode	LTE Band 48 / 20MHz				Limit: 13dB
Mod.	QPSK		16QAM		
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	N/A	7.83	N/A	7.74	PASS
Middle CH	N/A	7.77	N/A	7.77	
Highest CH	N/A	7.74	N/A	7.77	
Mode	LTE Band 48 / 20MHz				Limit: 13dB
Mod.	64QAM				
RB Size	1RB	Full RB			Result
Lowest CH	N/A	7.71	-	-	PASS
Middle CH	N/A	7.77	-	-	
Highest CH	N/A	7.80	-	-	



LTE Band 48 / 20MHz / QPSK

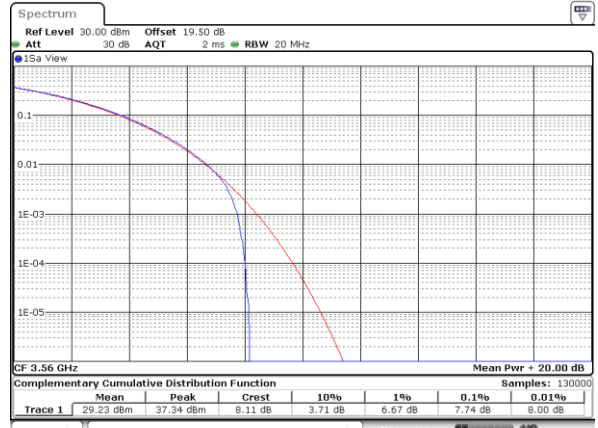
Lowest Channel / Full RB



Date: 5.NOV.2020 23:18:48

LTE Band 48 / 20MHz / 16QAM

Lowest Channel / Full RB



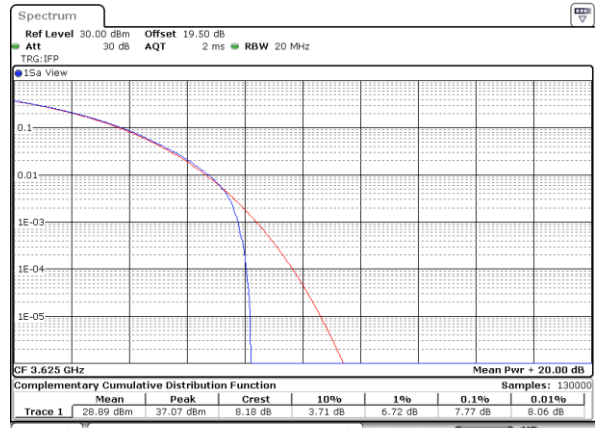
Date: 5.NOV.2020 23:31:51

Middle Channel / Full RB



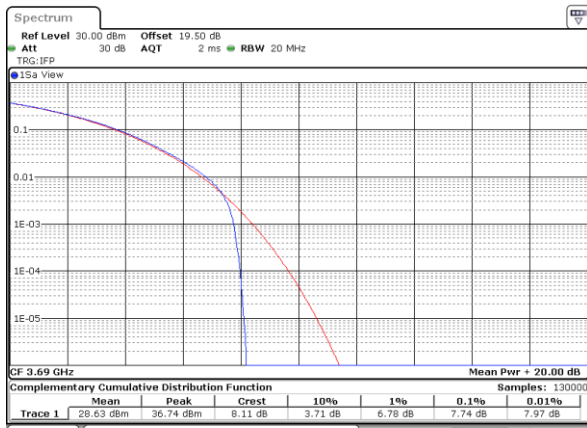
Date: 5.NOV.2020 23:20:54

Middle Channel / Full RB



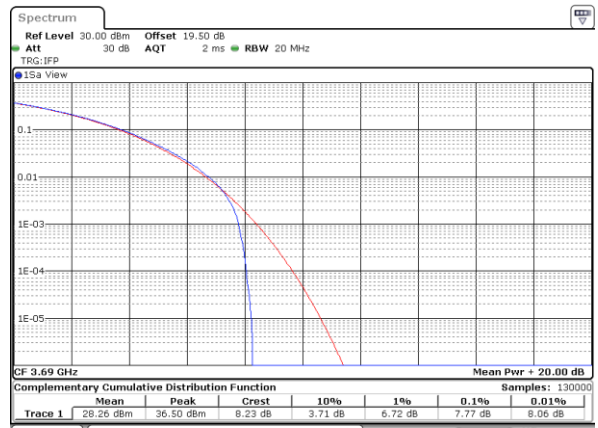
Date: 5.NOV.2020 23:30:39

Highest Channel / Full RB



Date: 5.NOV.2020 23:22:18

Highest Channel / Full RB



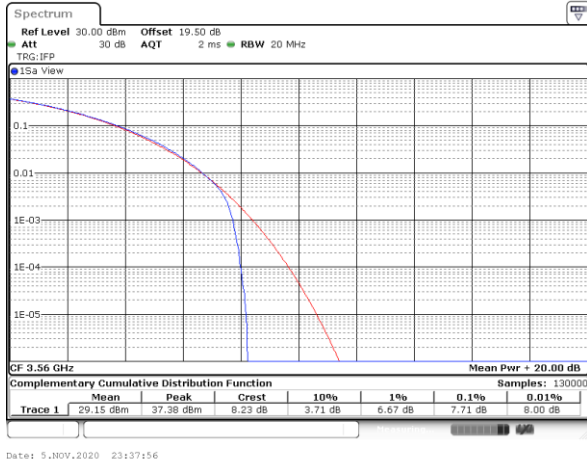
Date: 5.NOV.2020 23:27:07



LTE Band 48 / 20MHz / 64QAM

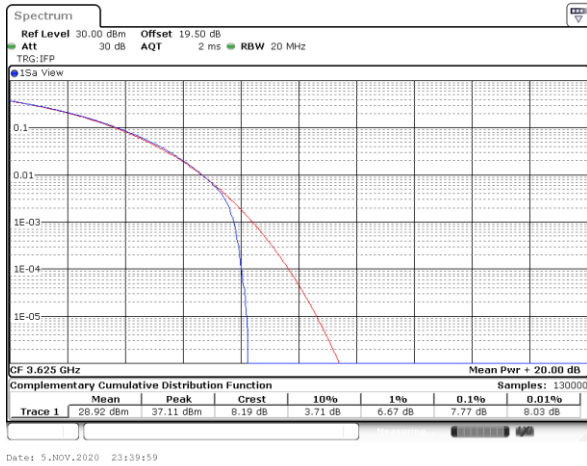
Lowest Channel / Full RB

N/A



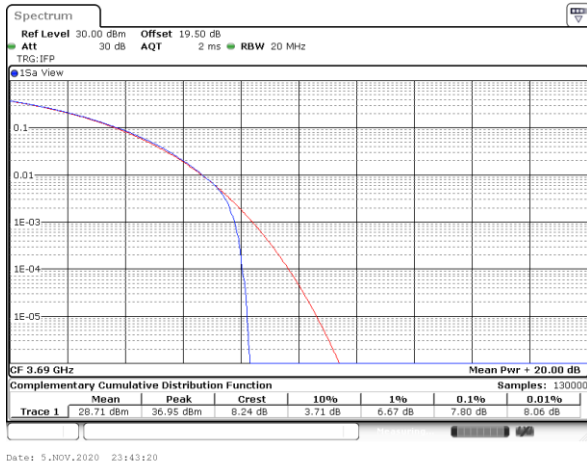
Middle Channel / Full RB

N/A



Highest Channel / Full RB

N/A





26dB Bandwidth

Mode	LTE Band 48 : 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	-	-	-	-	-	-	9.69	9.77	-	-	18.86	18.82
Middle CH	-	-	-	-	-	-	9.61	9.61	-	-	18.66	19.06
Highest CH	-	-	-	-	-	-	9.67	9.75	-	-	18.70	18.86
Mode	LTE Band 48 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Lowest CH	-	-	-	-	-	-	9.69	-	-	-	18.74	-
Middle CH	-	-	-	-	-	-	9.81	-	-	-	18.86	-
Highest CH	-	-	-	-	-	-	9.73	-	-	-	18.90	-