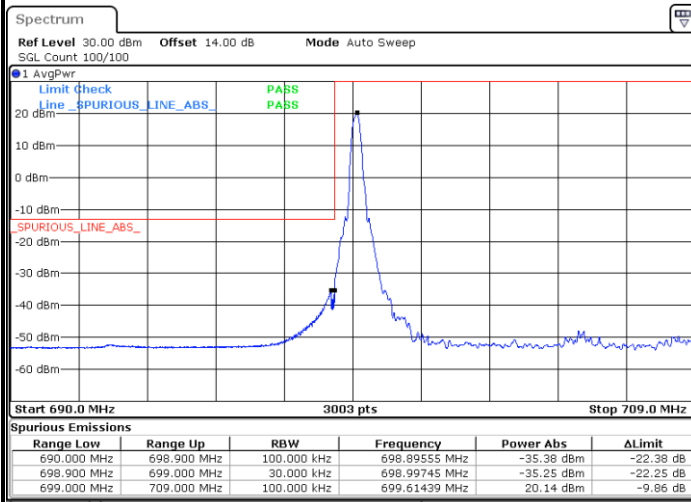


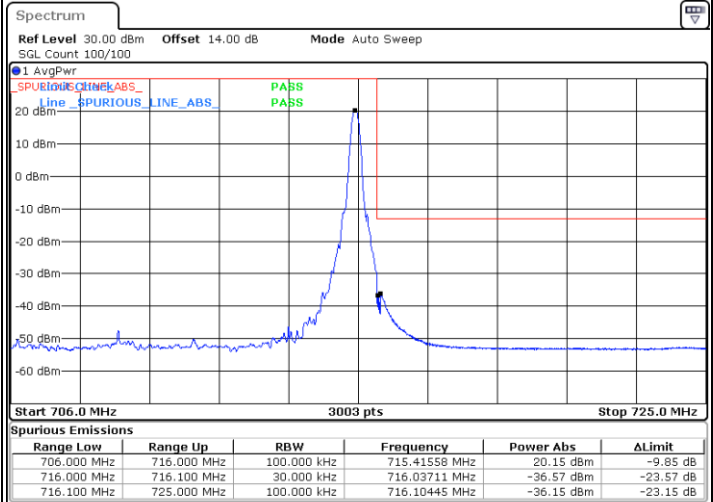


LTE Band 12 / 10MHz / 64QAM

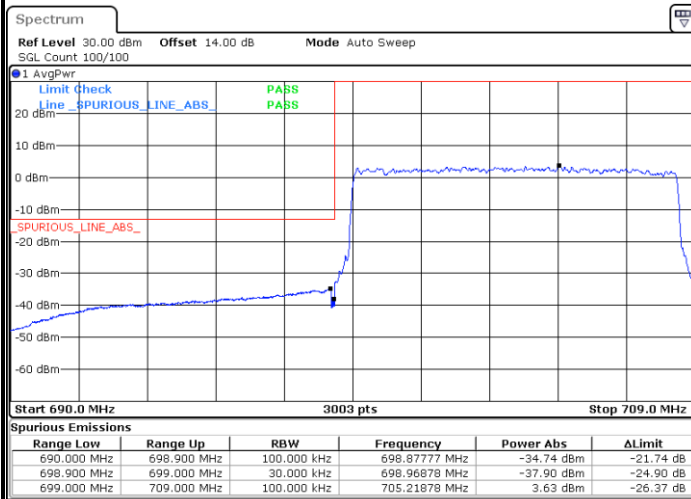
Lowest Band Edge / 1 RB



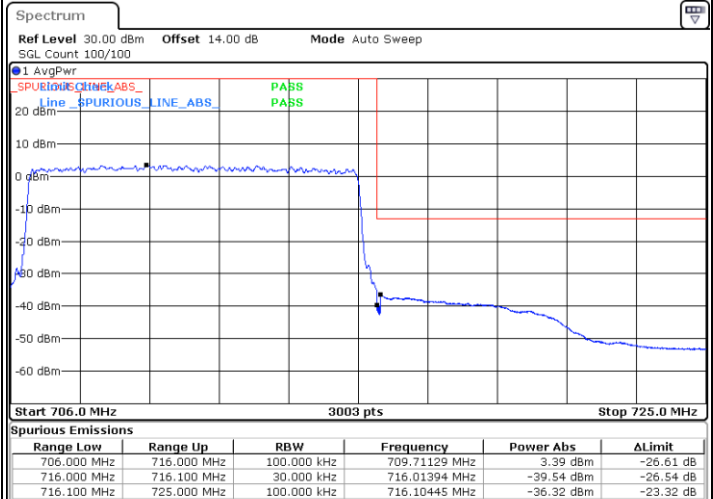
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

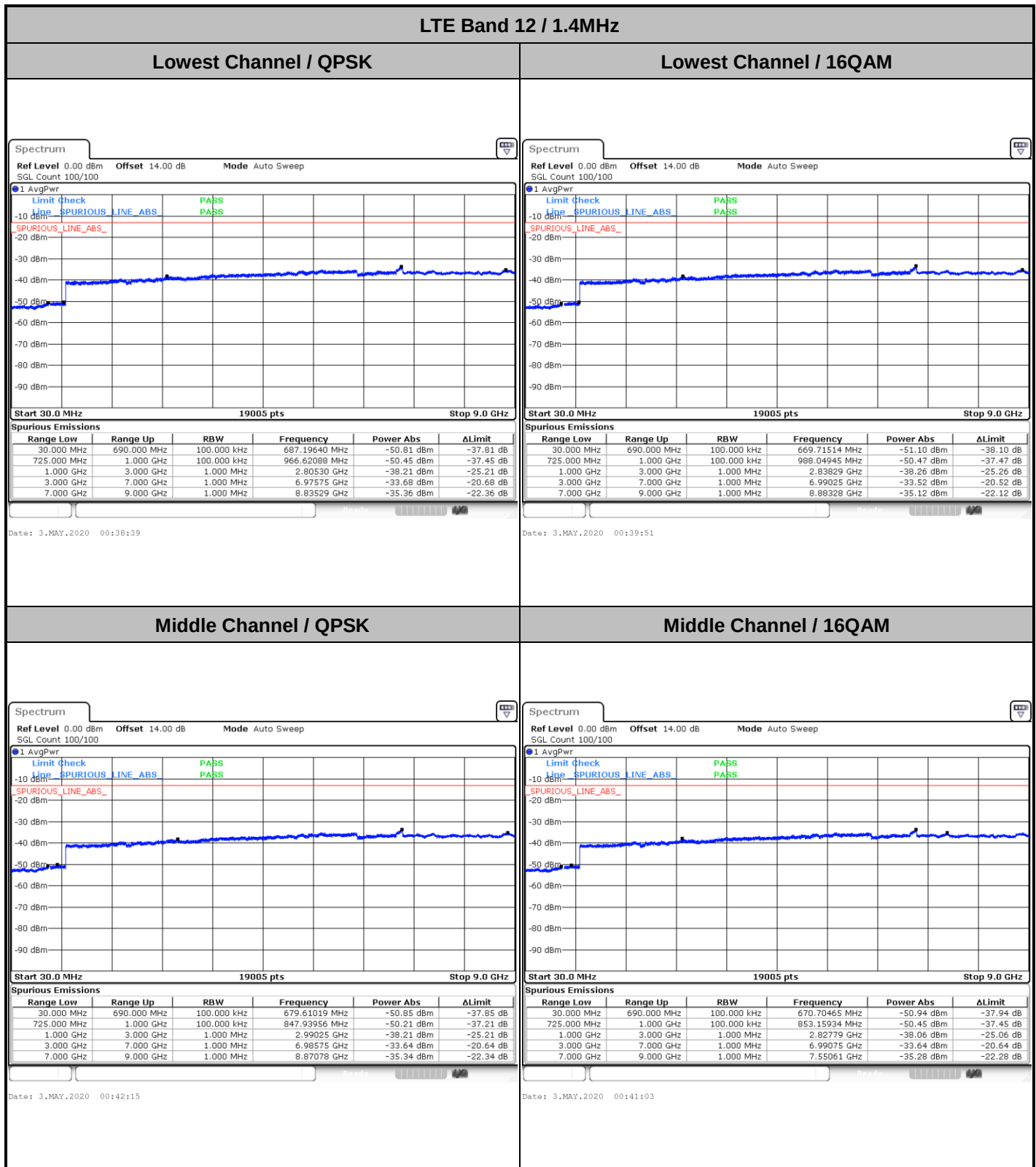


Highest Band Edge / Full RB





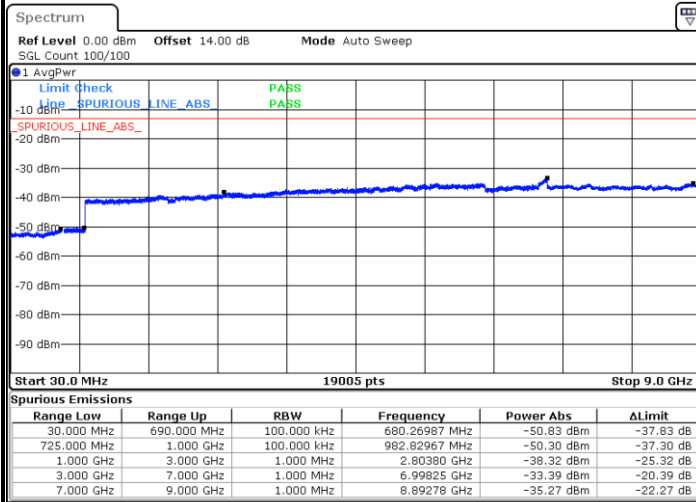
Conducted Spurious Emission





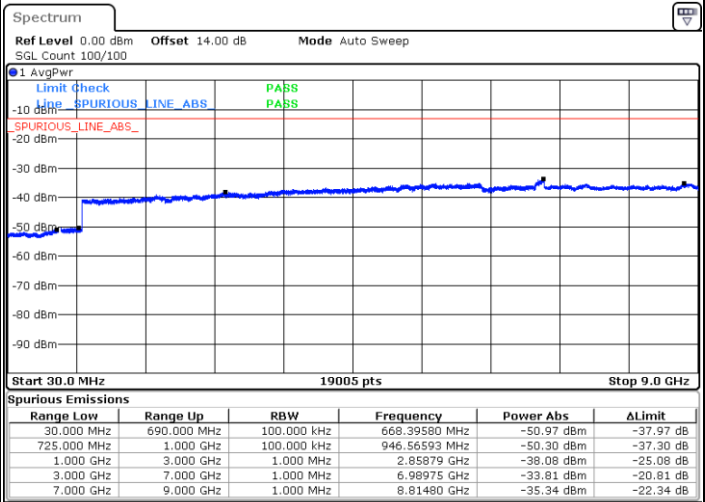
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 3.MAY.2020 00:43:27

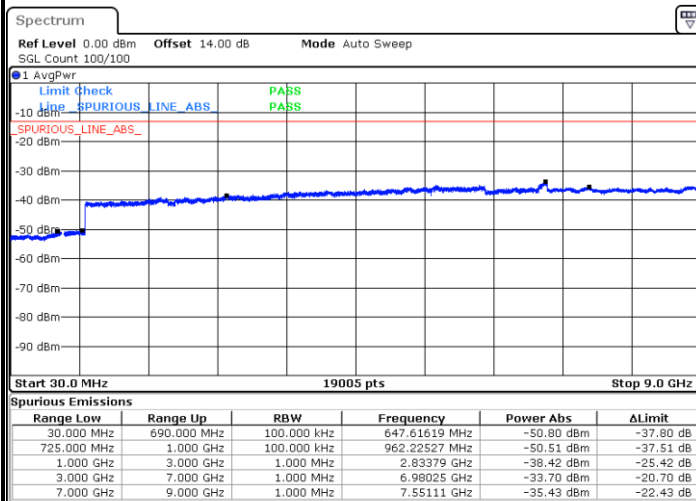
Highest Channel / 16QAM



Date: 3.MAY.2020 00:44:39

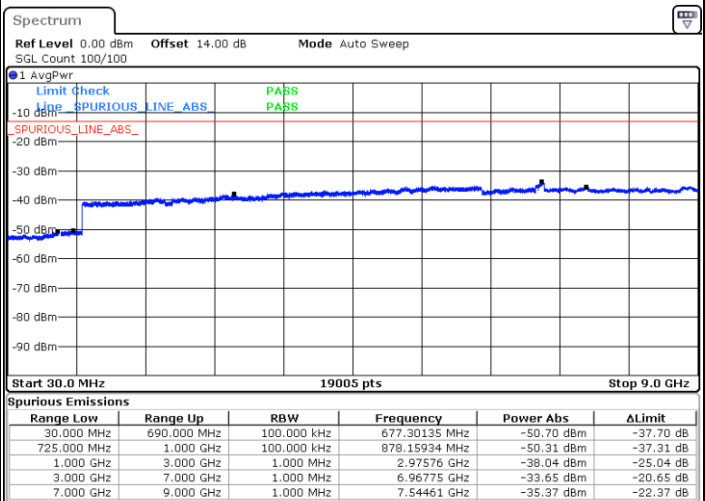
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 3.MAY.2020 00:45:51

Lowest Channel / 16QAM

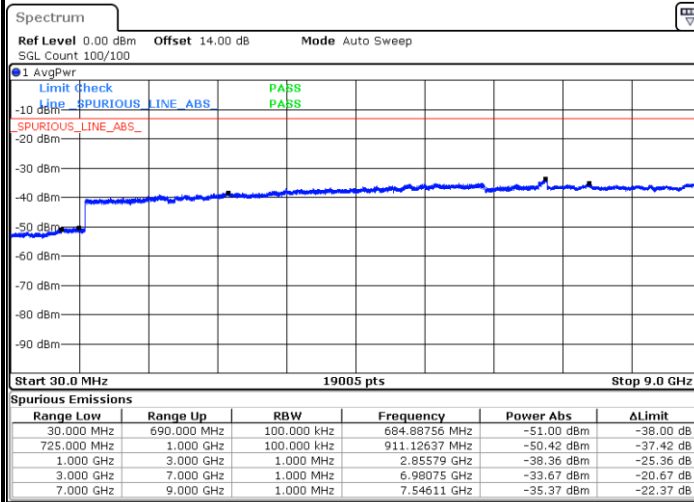


Date: 3.MAY.2020 00:47:03



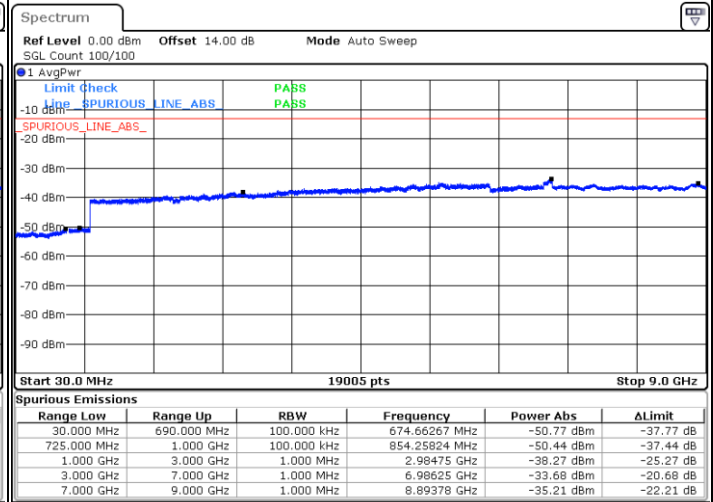
LTE Band 12 / 3MHz

Middle Channel / QPSK



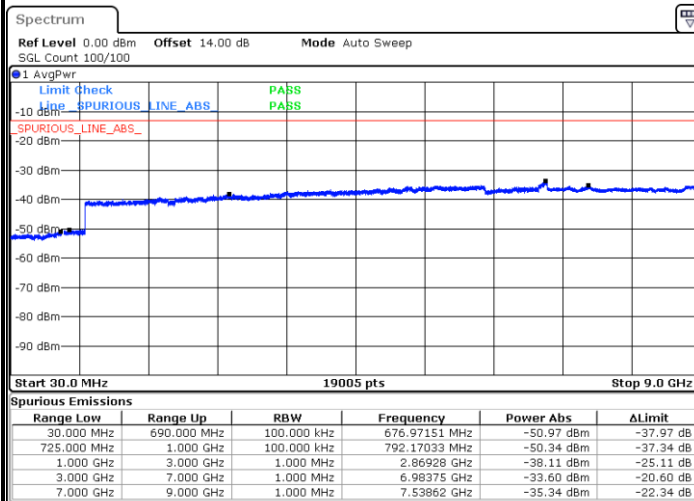
Date: 3.MAY.2020 00:49:26

Middle Channel / 16QAM



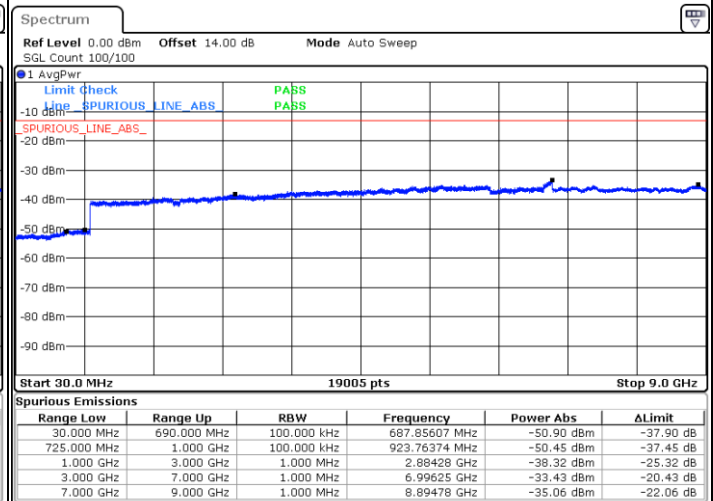
Date: 3.MAY.2020 00:48:15

Highest Channel / QPSK



Date: 3.MAY.2020 00:50:38

Highest Channel / 16QAM

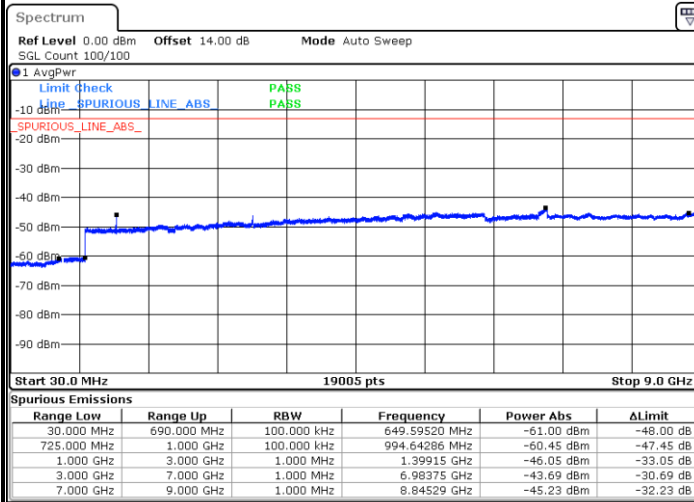


Date: 3.MAY.2020 00:51:50



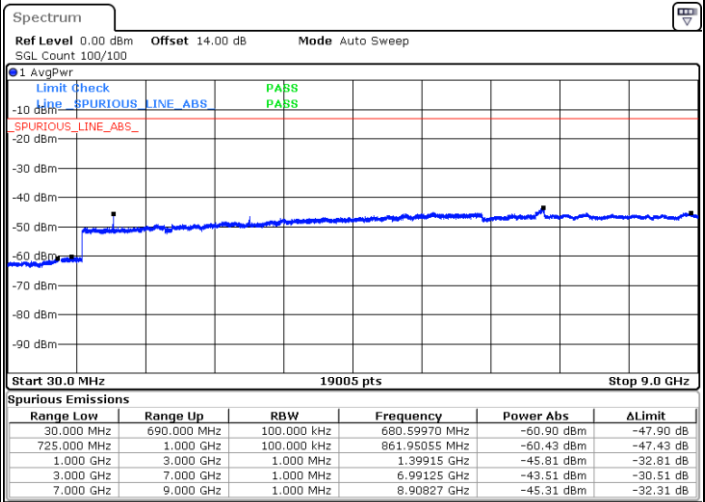
LTE Band 12 / 5MHz

Lowest Channel / QPSK



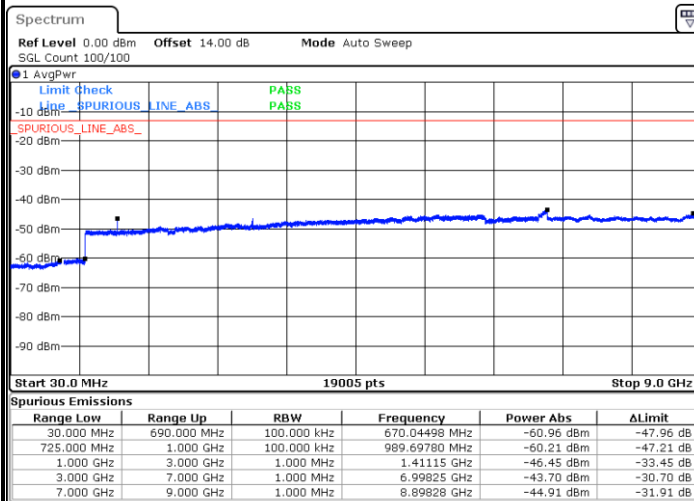
Date: 3.MAY.2020 00:53:02

Lowest Channel / 16QAM



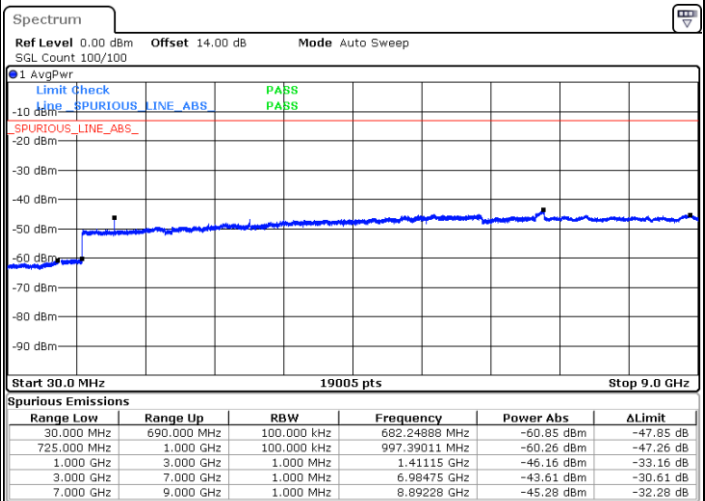
Date: 3.MAY.2020 00:54:14

Middle Channel / QPSK



Date: 3.MAY.2020 00:56:37

Middle Channel / 16QAM

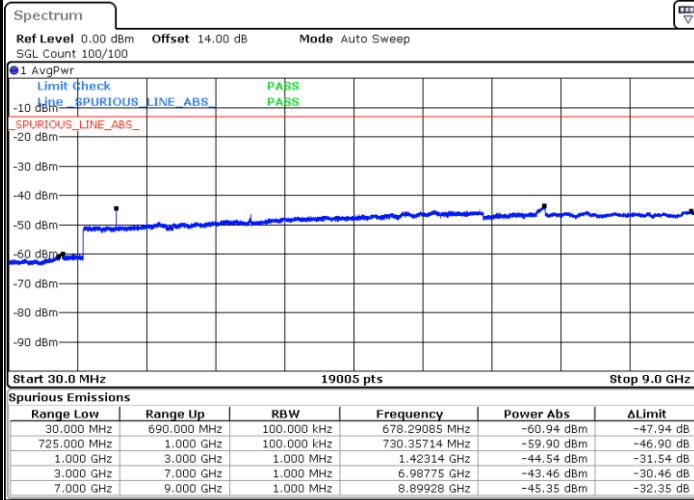


Date: 3.MAY.2020 00:55:25



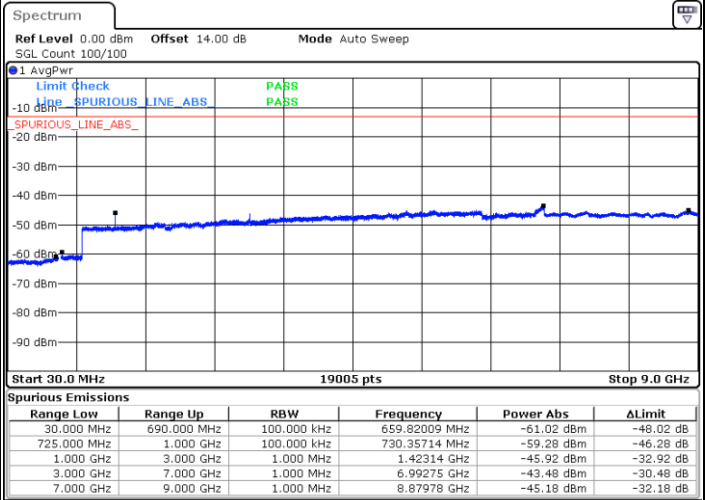
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 3.MAY.2020 00:59:00

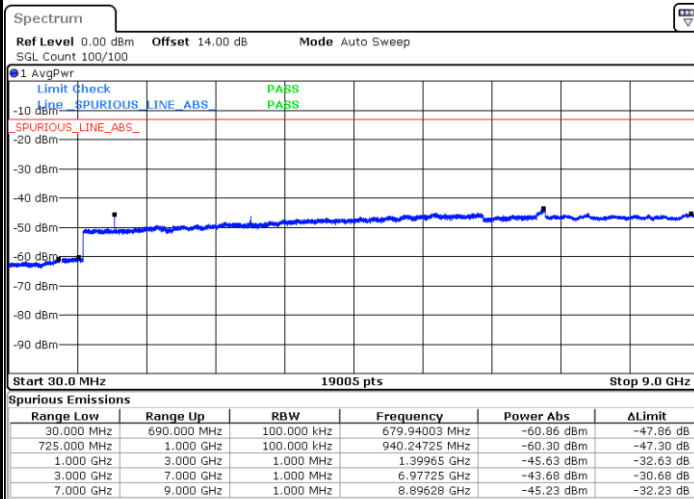
Highest Channel / 16QAM



Date: 3.MAY.2020 00:57:49

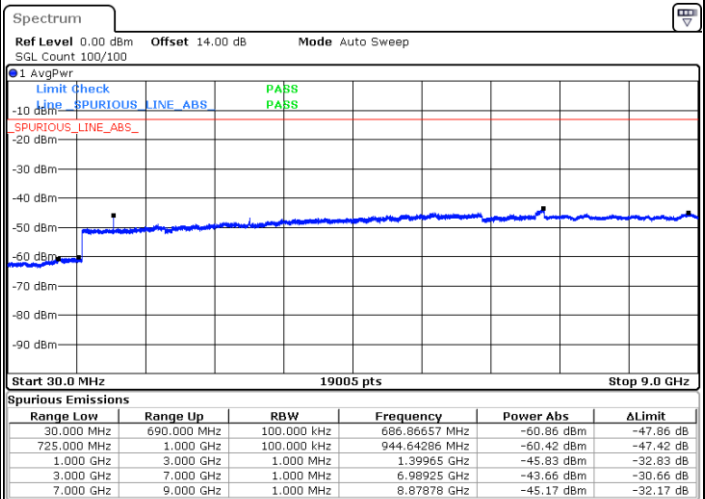
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 3.MAY.2020 01:00:12

Lowest Channel / 16QAM

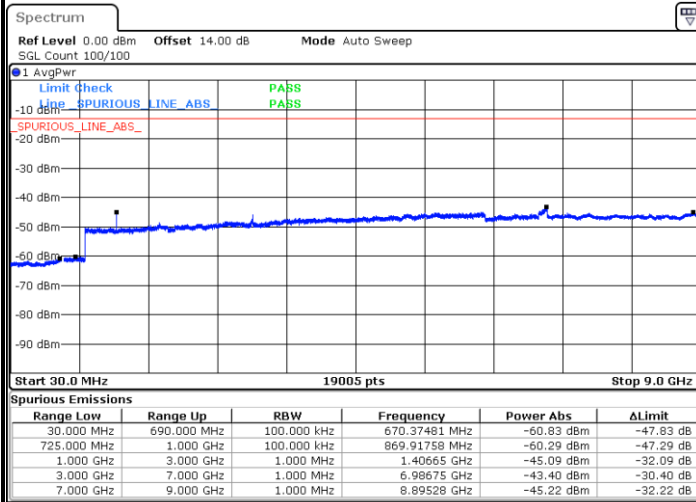


Date: 3.MAY.2020 01:01:24



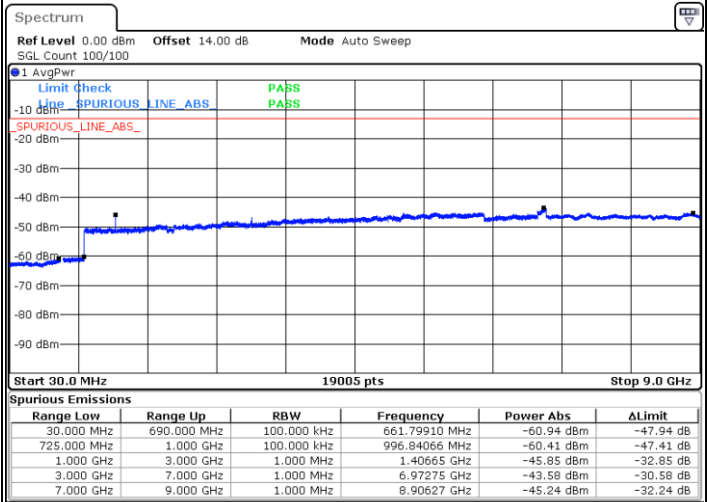
LTE Band 12 / 10MHz

Middle Channel / QPSK



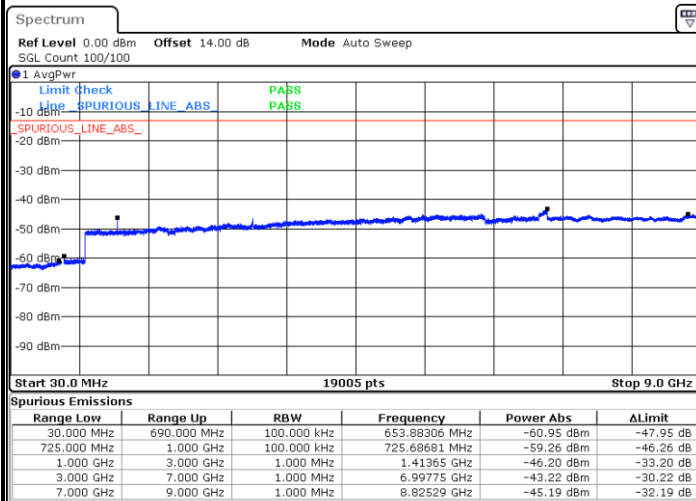
Date: 3.MAY.2020 01:03:48

Middle Channel / 16QAM



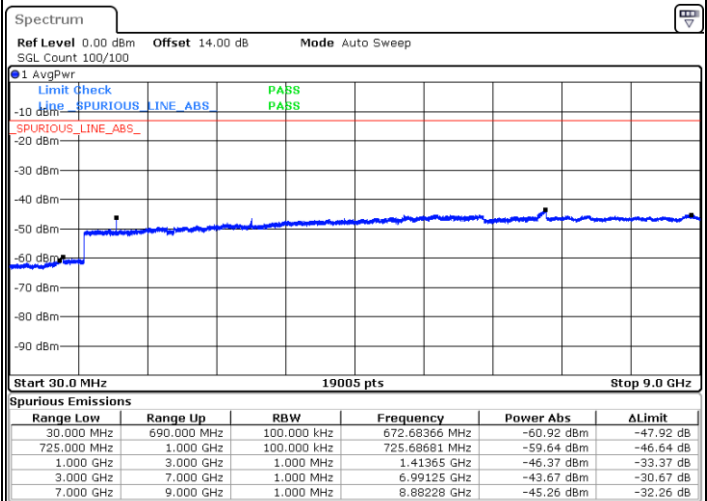
Date: 3.MAY.2020 01:02:36

Highest Channel / QPSK



Date: 3.MAY.2020 01:04:59

Highest Channel / 16QAM

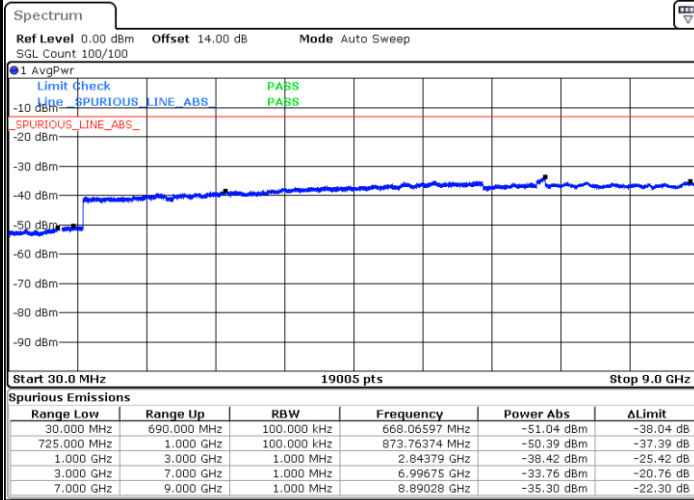


Date: 3.MAY.2020 01:06:11



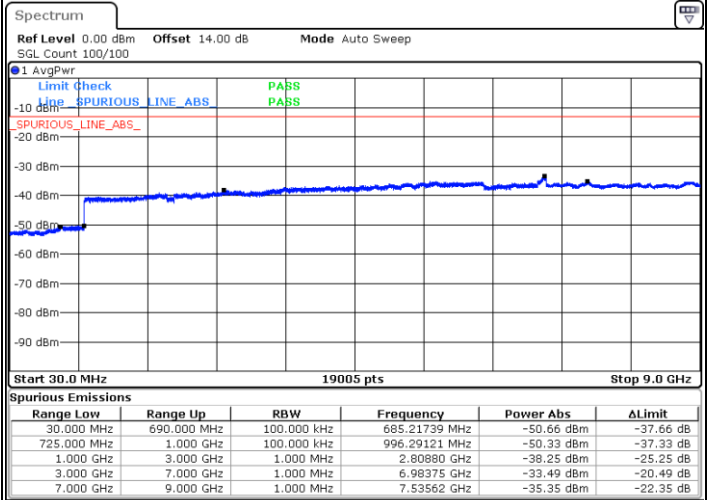
LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM



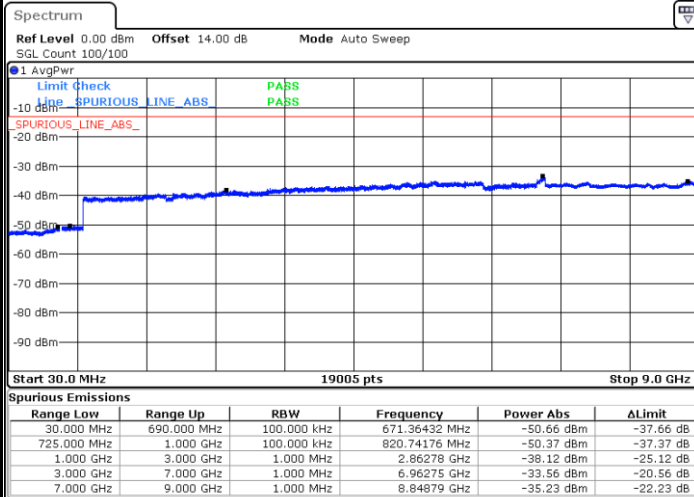
Date: 3.MAY.2020 00:00:10

Middle Channel / 64QAM



Date: 3.MAY.2020 00:01:44

Highest Channel / 64QAM

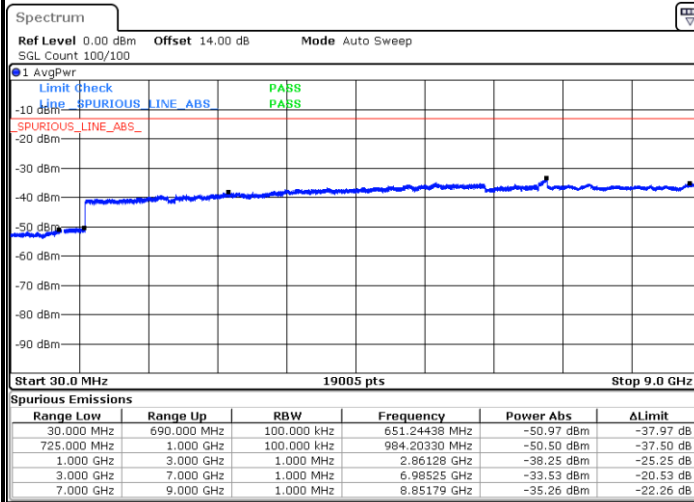


Date: 3.MAY.2020 00:05:00



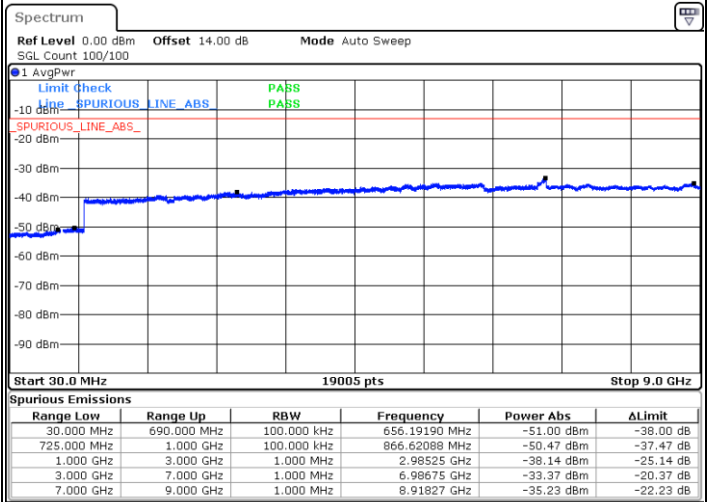
LTE Band 12 / 3MHz

Lowest Channel / 64QAM



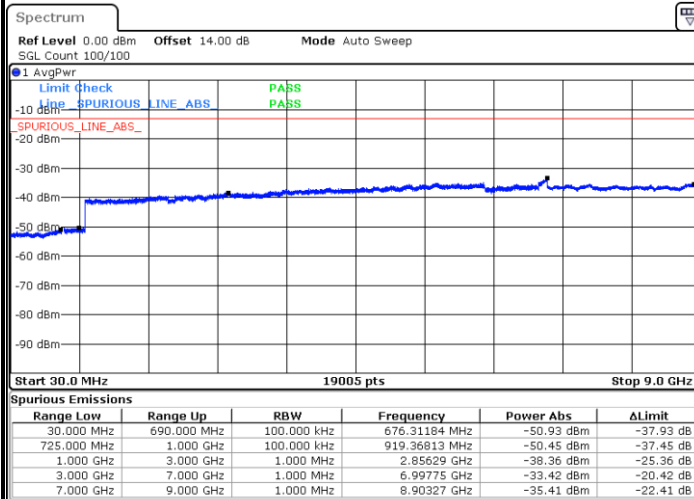
Date: 2.MAY.2020 23:35:55

Middle Channel / 64QAM



Date: 2.MAY.2020 23:37:29

Highest Channel / 64QAM

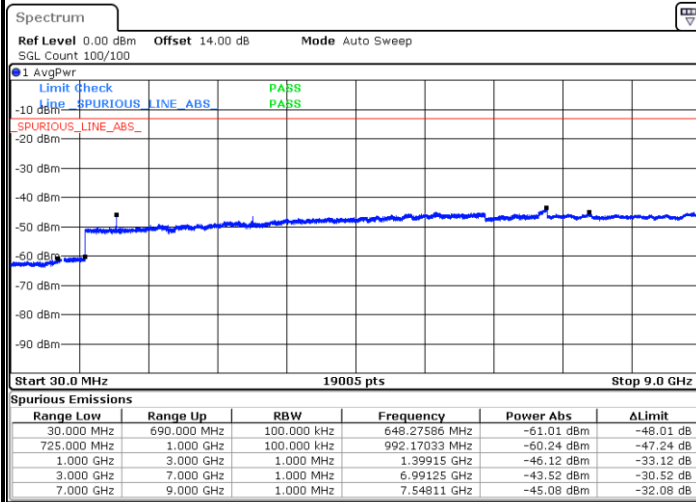


Date: 2.MAY.2020 23:40:45



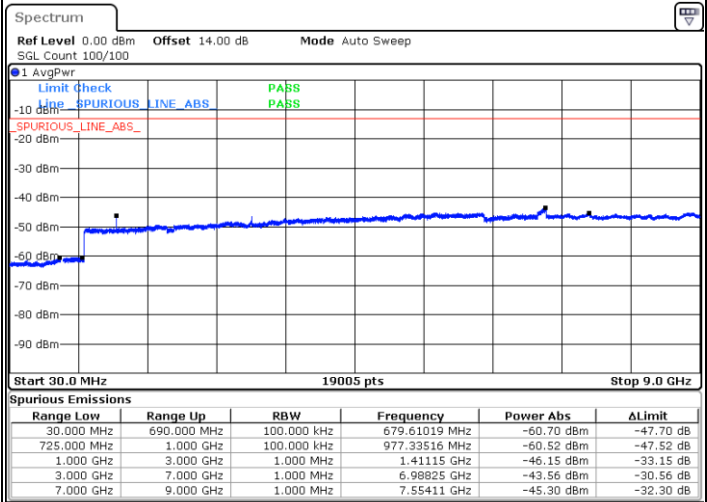
LTE Band 12 / 5MHz

Lowest Channel / 64QAM



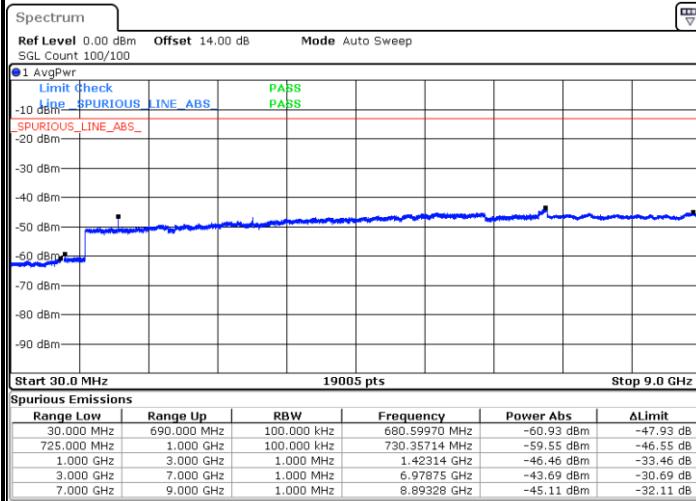
Date: 2.MAY.2020 23:44:00

Middle Channel / 64QAM



Date: 2.MAY.2020 23:45:35

Highest Channel / 64QAM

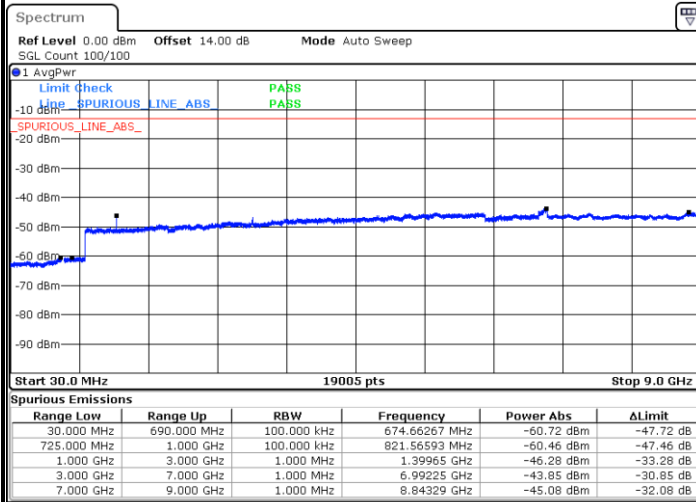


Date: 2.MAY.2020 23:48:51



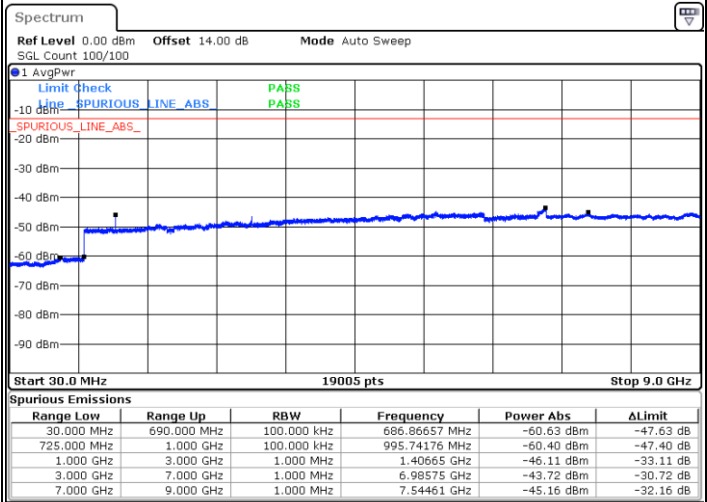
LTE Band 12 / 10MHz

Lowest Channel / 64QAM



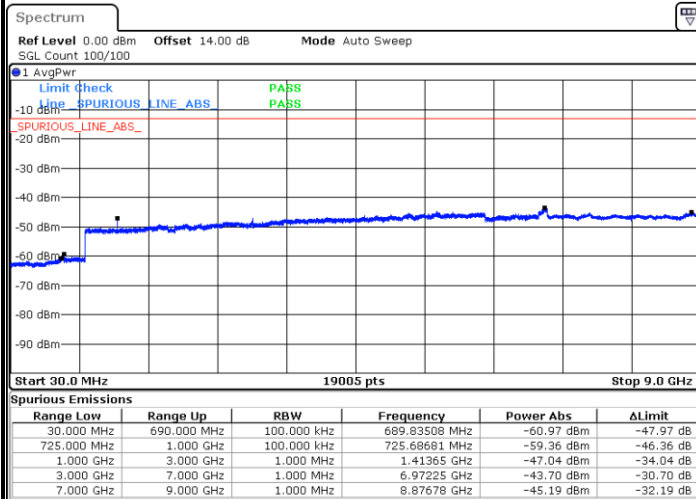
Date: 2.MAY.2020 23:52:06

Middle Channel / 64QAM



Date: 2.MAY.2020 23:53:40

Highest Channel / 64QAM



Date: 2.MAY.2020 23:56:55

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0033	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 17

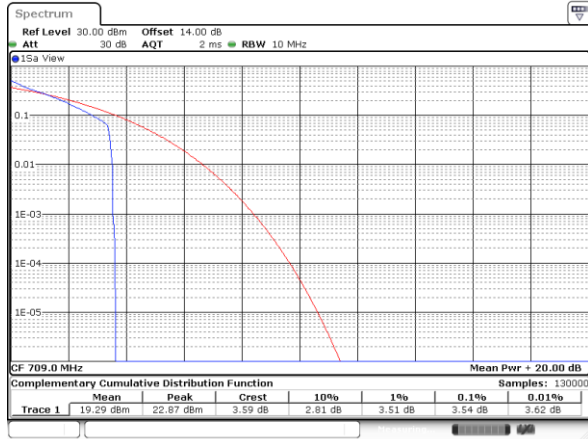
Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.54	4.81	5.07	5.74	PASS
Middle CH	3.54	4.81	5.22	5.77	
Highest CH	3.54	4.78	5.13	5.71	
Mode	LTE Band 17 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.59	6.32	-	-	PASS
Middle CH	6.09	6.14	-	-	
Highest CH	4.70	6.26	-	-	



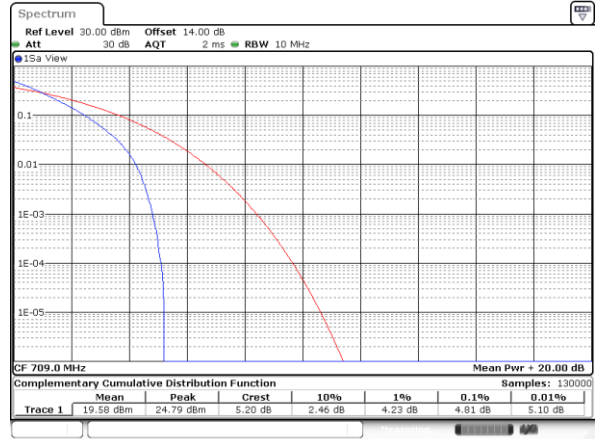
LTE Band 17 / 10MHz / QPSK

Lowest Channel / 1RB



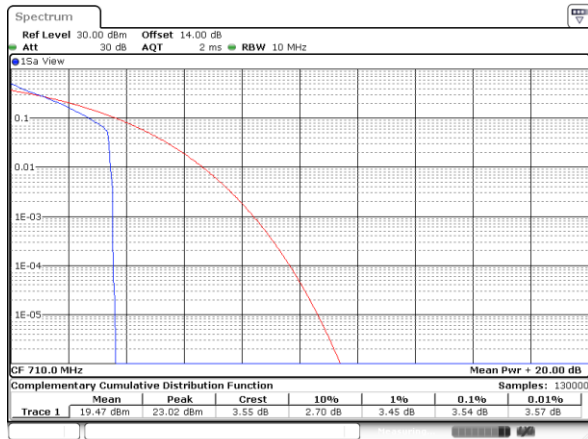
Date: 7 MAY 2020 11:41:19

Lowest Channel / Full RB



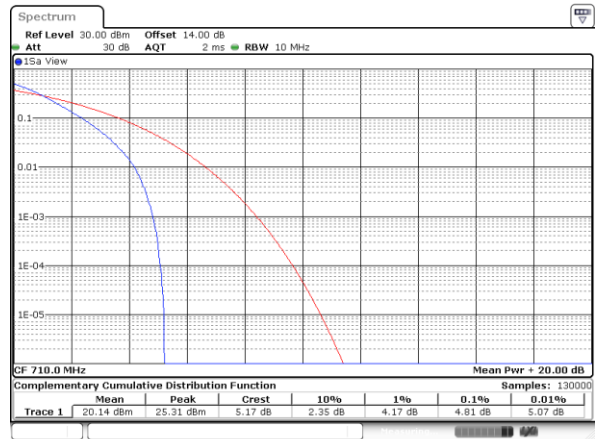
Date: 7 MAY 2020 11:31:55

Middle Channel / 1RB



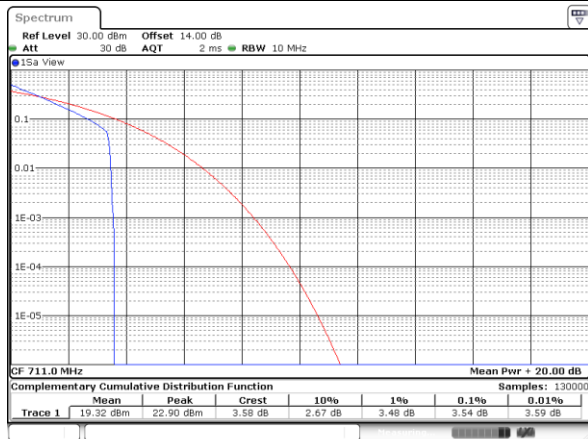
Date: 7 MAY 2020 13:41:04

Middle Channel / Full RB



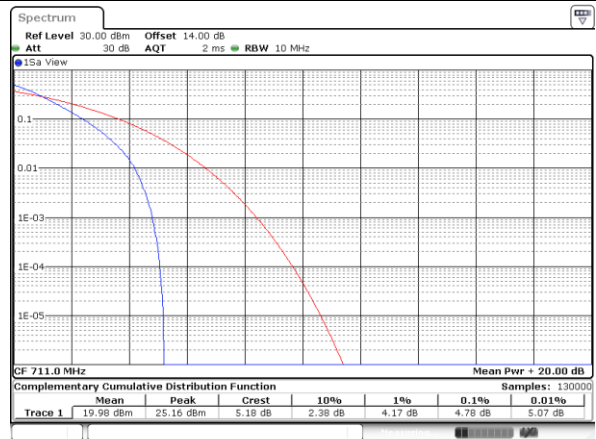
Date: 7 MAY 2020 13:45:15

Highest Channel / 1RB

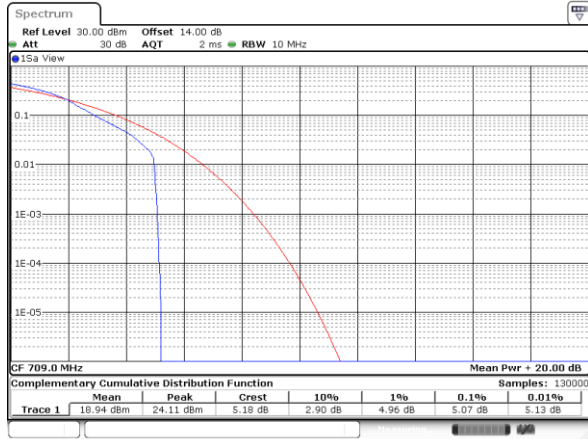


Date: 7 MAY 2020 13:51:18

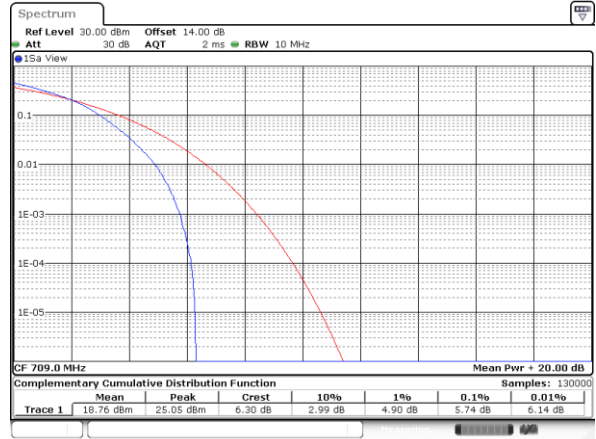
Highest Channel / Full RB



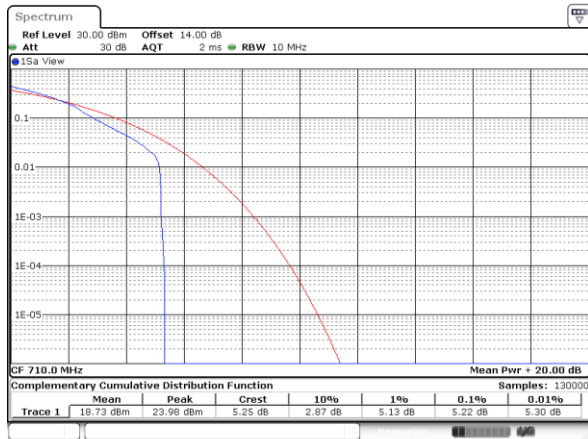
Date: 7 MAY 2020 13:48:37

LTE Band 17 / 10MHz / 16QAM
Lowest Channel / 1RB


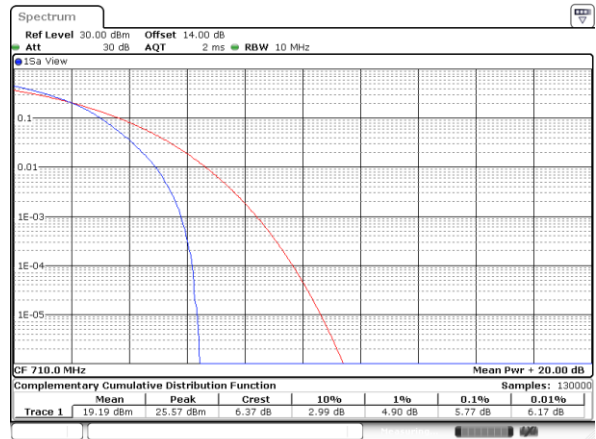
Date: 7 MAY 2020 11:41:37

Lowest Channel / Full RB


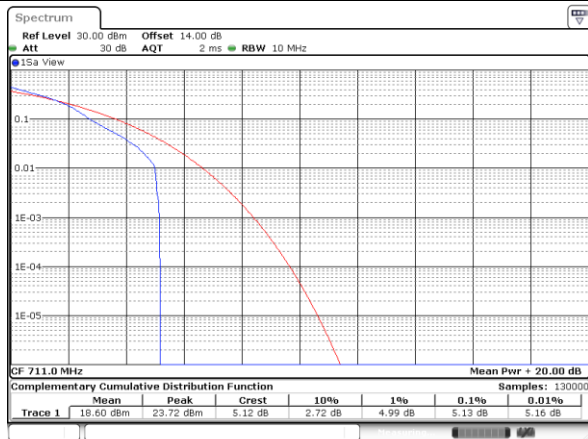
Date: 7 MAY 2020 11:32:45

Middle Channel / 1RB


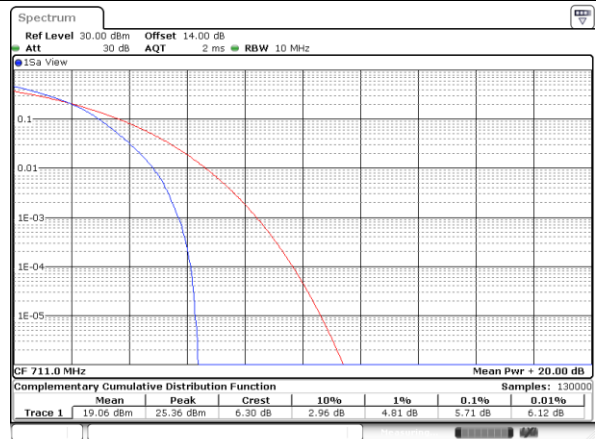
Date: 7 MAY 2020 13:41:23

Middle Channel / Full RB


Date: 7 MAY 2020 13:46:06

Highest Channel / 1RB


Date: 7 MAY 2020 13:54:53

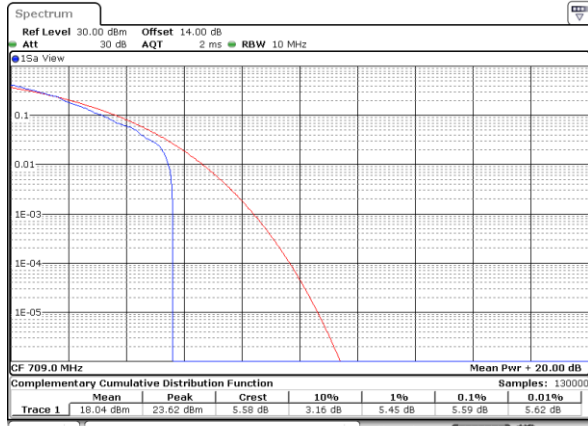
Highest Channel / Full RB


Date: 7 MAY 2020 13:49:34

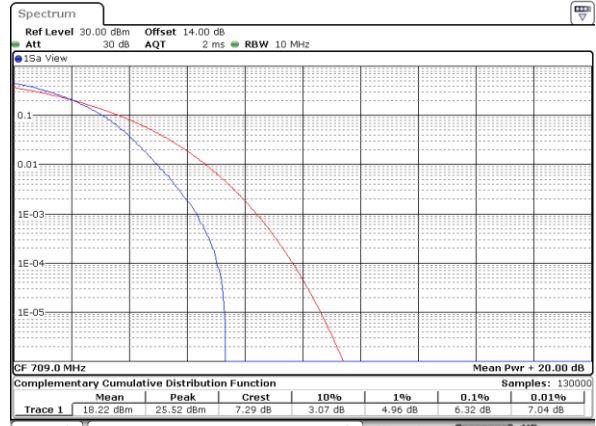


LTE Band 17 / 10MHz / 64QAM

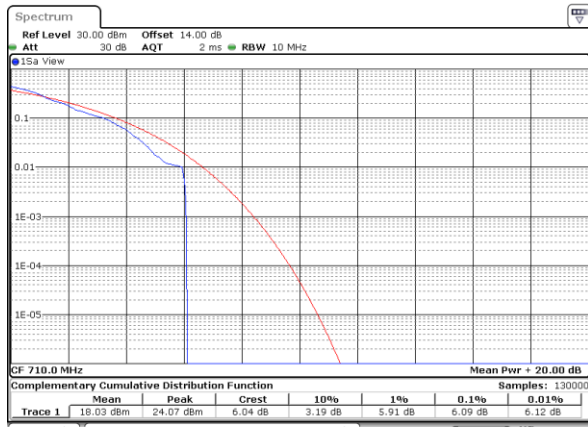
Lowest Channel / 1RB



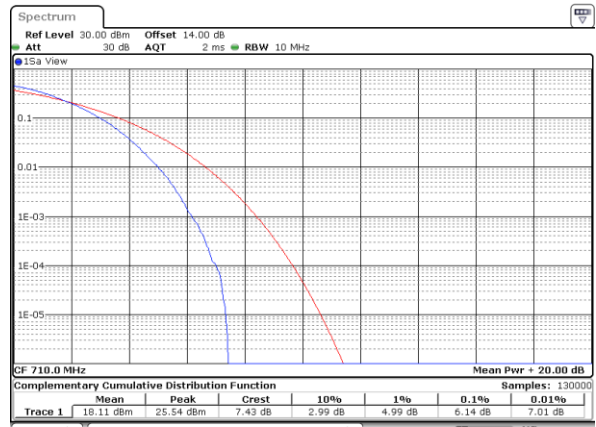
Lowest Channel / Full RB



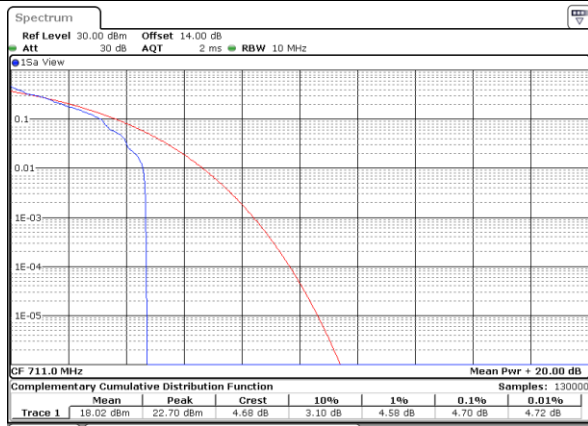
Middle Channel / 1RB



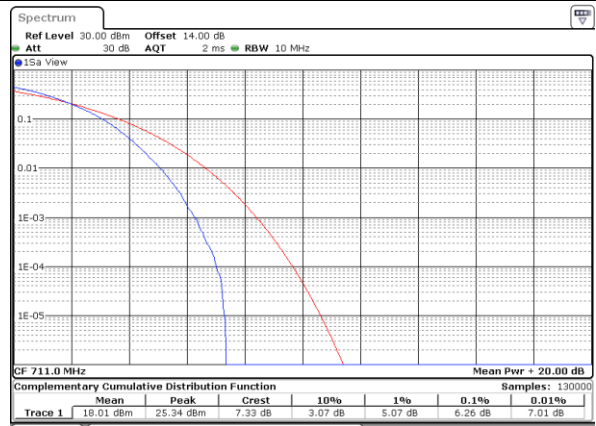
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



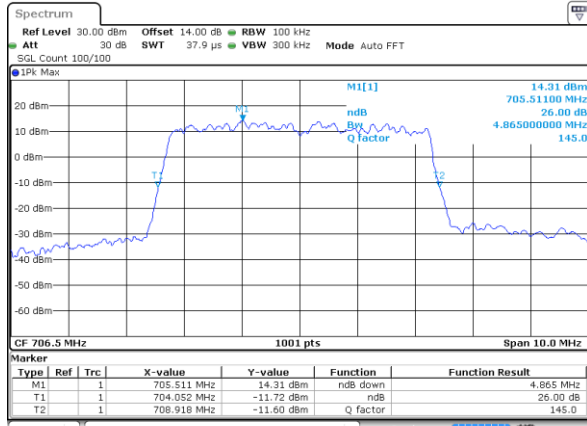
**26dB Bandwidth**

Mode	LTE Band 17 : 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	-	-	-	-	4.87	4.82	9.81	9.87	-	-	-	-
Middle CH	-	-	-	-	4.82	4.94	9.83	9.67	-	-	-	-
Highest CH	-	-	-	-	4.71	4.90	9.77	9.71	-	-	-	-
Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.86	-	9.75	-	-	-	-	-
Middle CH	-	-	-	-	4.94	-	9.75	-	-	-	-	-
Highest CH	-	-	-	-	4.95	-	9.91	-	-	-	-	-



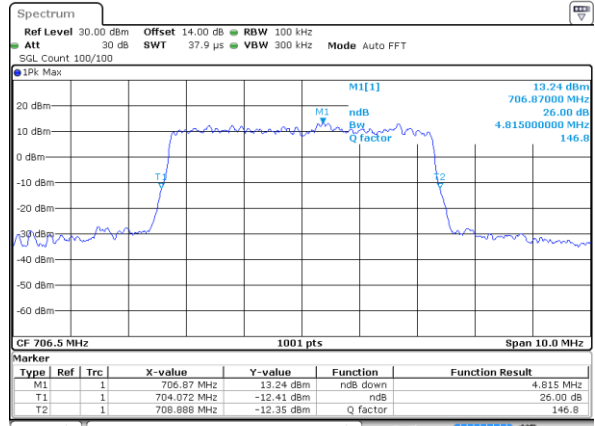
LTE Band 17

Lowest Channel / 5MHz / QPSK



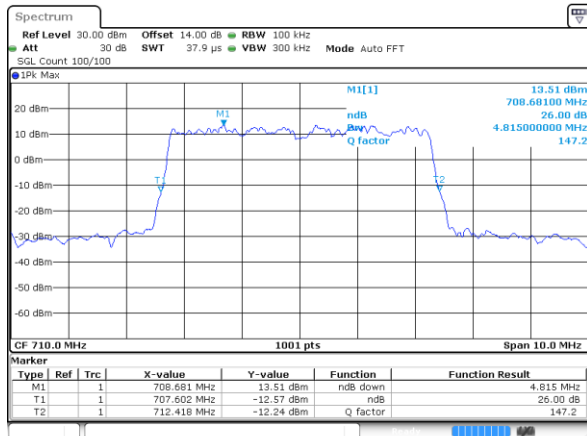
Date: 7 MAY 2020 14:12:20

Lowest Channel / 5MHz / 16QAM



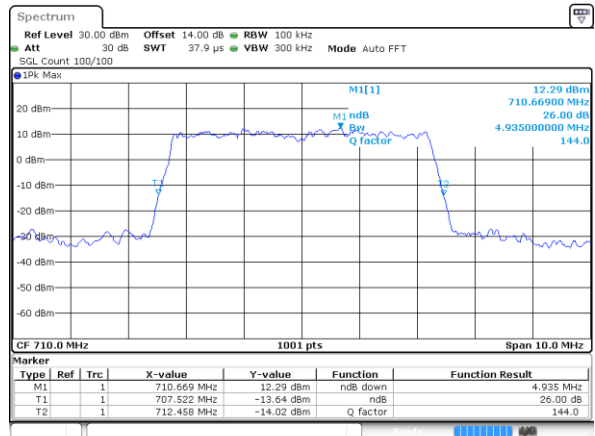
Date: 7 MAY 2020 14:13:24

Middle Channel / 5MHz / QPSK



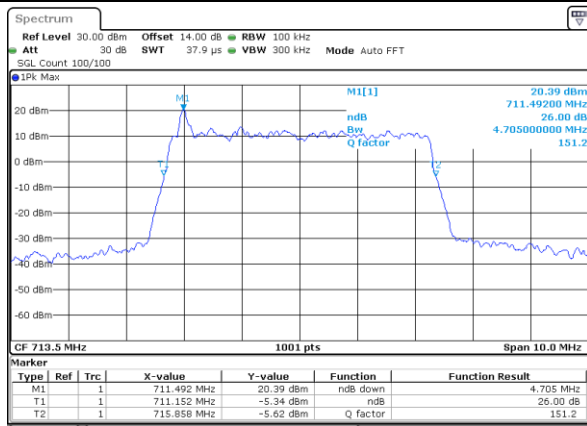
Date: 7 MAY 2020 11:13:37

Middle Channel / 5MHz / 16QAM



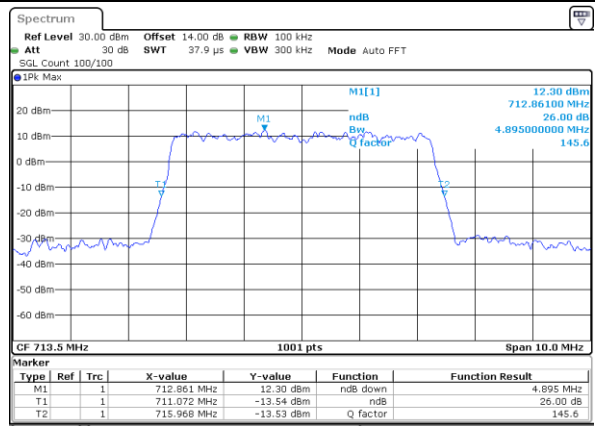
Date: 7 MAY 2020 11:16:19

Highest Channel / 5MHz / QPSK



Date: 7 MAY 2020 11:17:38

Highest Channel / 5MHz / 16QAM

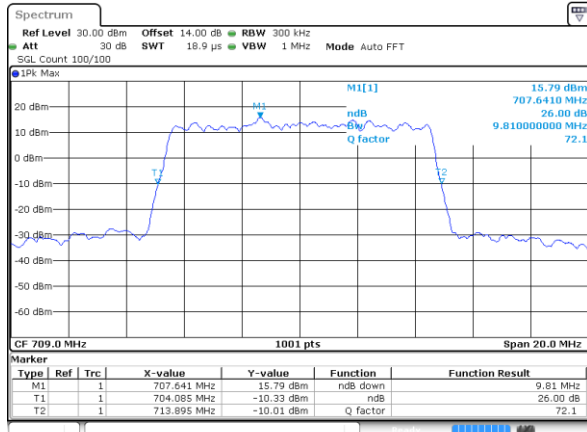


Date: 7 MAY 2020 11:18:11

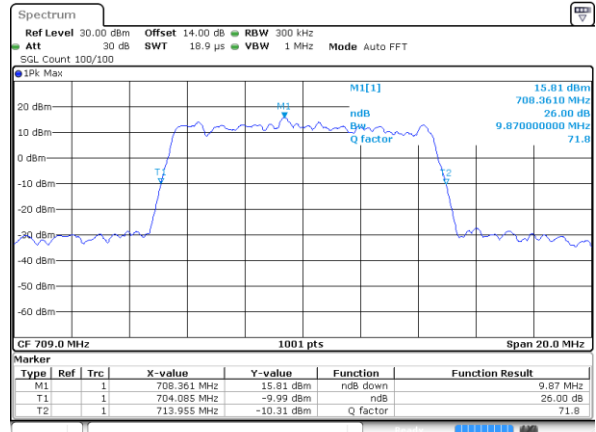


LTE Band 17

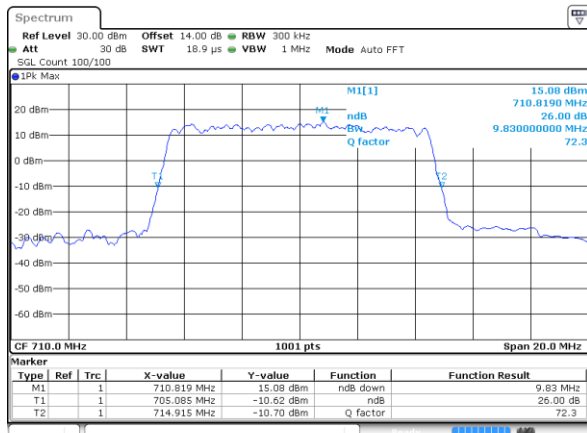
Lowest Channel / 10MHz / QPSK



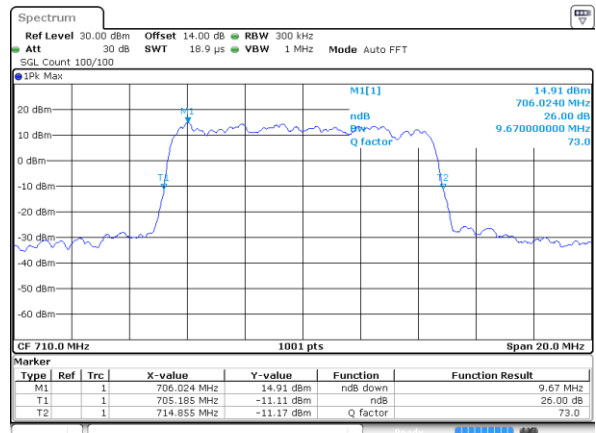
Lowest Channel / 10MHz / 16QAM



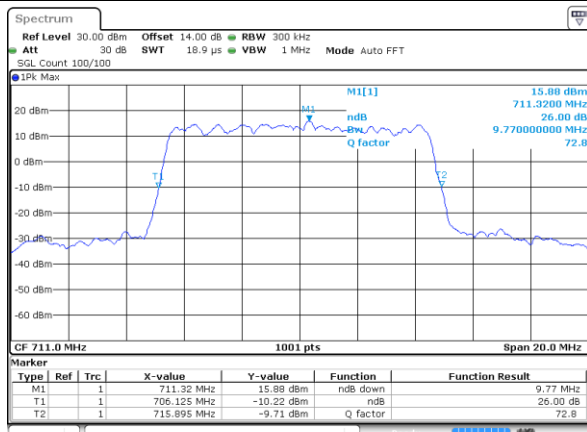
Middle Channel / 10MHz / QPSK



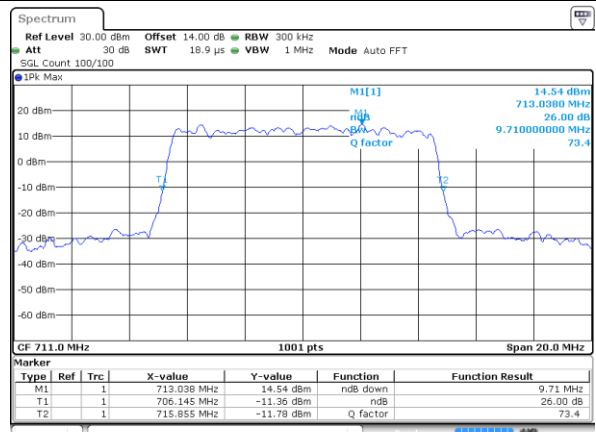
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



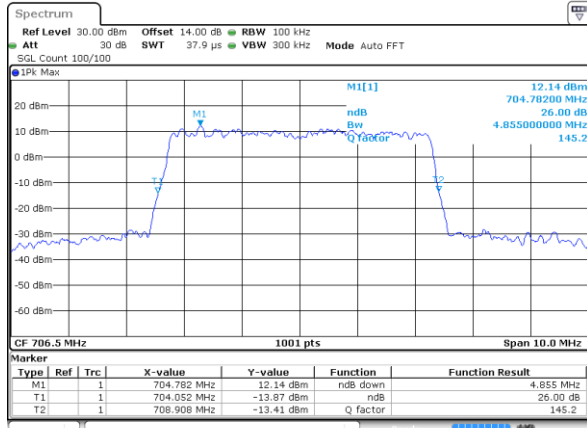
Highest Channel / 10MHz / 16QAM





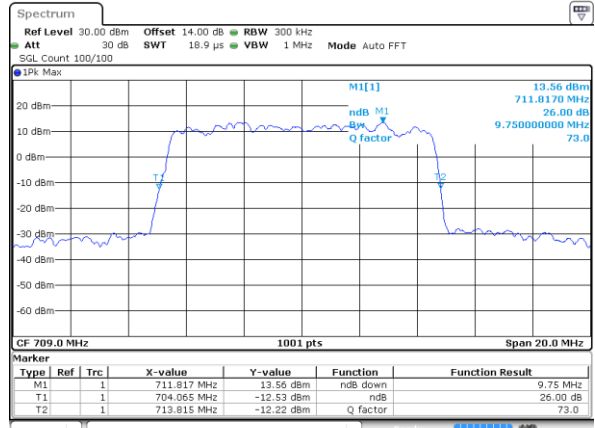
LTE Band 17

Lowest Channel / 5MHz / 64QAM



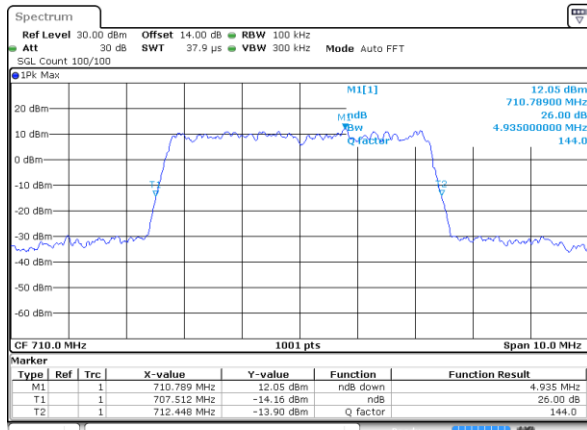
Date: 7 MAY 2020 14:13:47

Lowest Channel / 10MHz / 64QAM



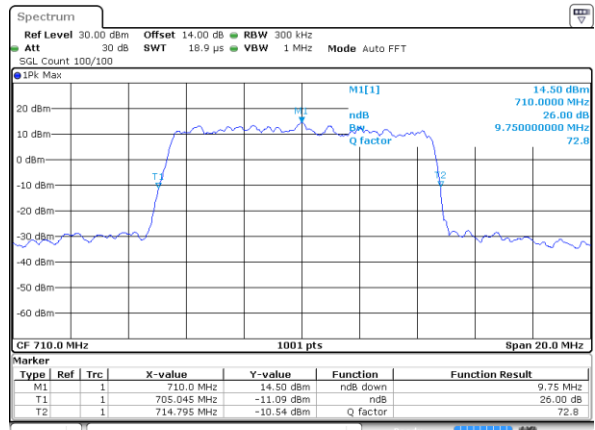
Date: 7 MAY 2020 11:36:12

Middle Channel / 5MHz / 64QAM



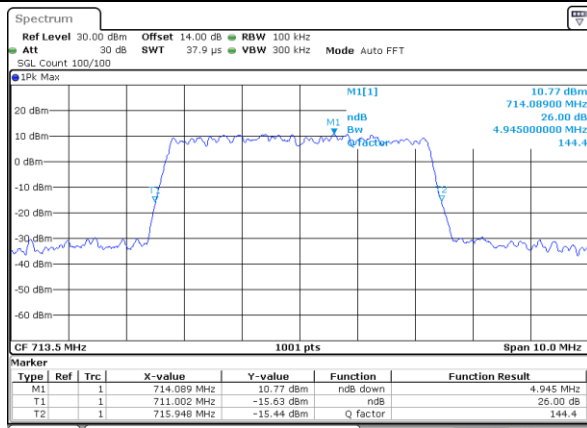
Date: 7 MAY 2020 11:16:52

Middle Channel / 10MHz / 64QAM



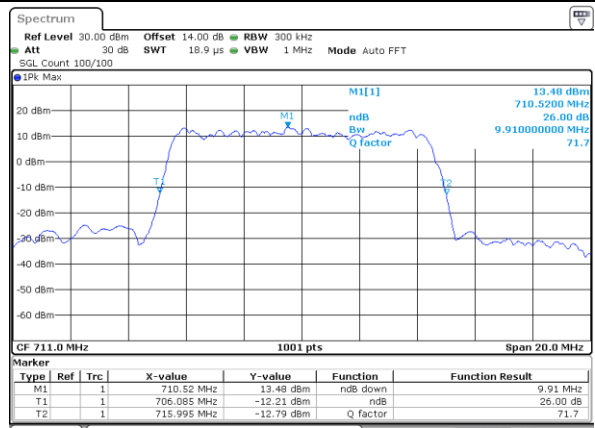
Date: 7 MAY 2020 13:47:09

Highest Channel / 5MHz / 64QAM



Date: 7 MAY 2020 11:18:45

Highest Channel / 10MHz / 64QAM



Date: 7 MAY 2020 13:50:40

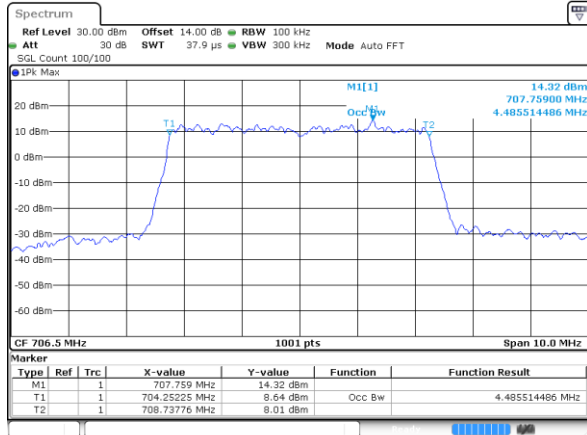
**Occupied Bandwidth**

Mode	LTE Band 17 : 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	-	-	-	-	4.49	4.50	8.97	9.01	-	-	-	-
Middle CH	-	-	-	-	4.49	4.47	8.97	9.03	-	-	-	-
Highest CH	-	-	-	-	4.48	4.47	9.01	9.03	-	-	-	-
Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.48	-	9.01	-	-	-	-	-
Middle CH	-	-	-	-	4.51	-	8.99	-	-	-	-	-
Highest CH	-	-	-	-	4.51	-	9.01	-	-	-	-	-

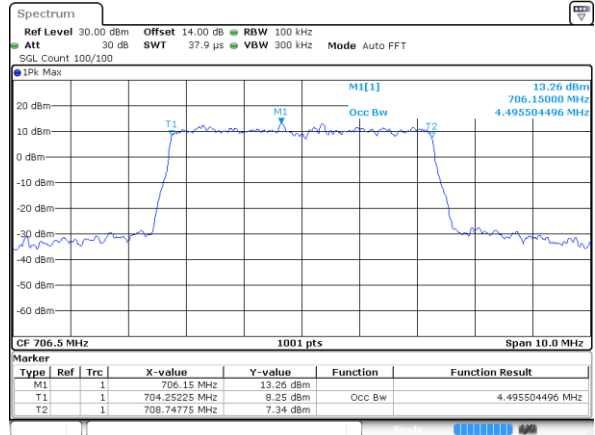


LTE Band 17

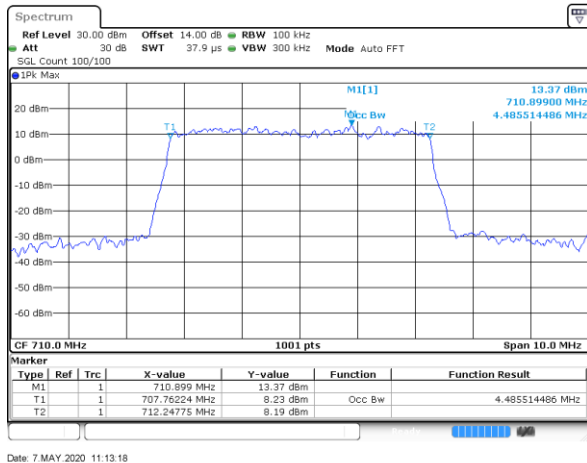
Lowest Channel / 5MHz / QPSK



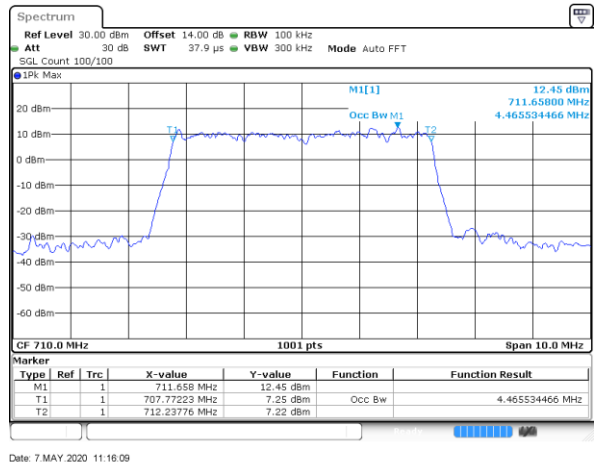
Lowest Channel / 5MHz / 16QAM



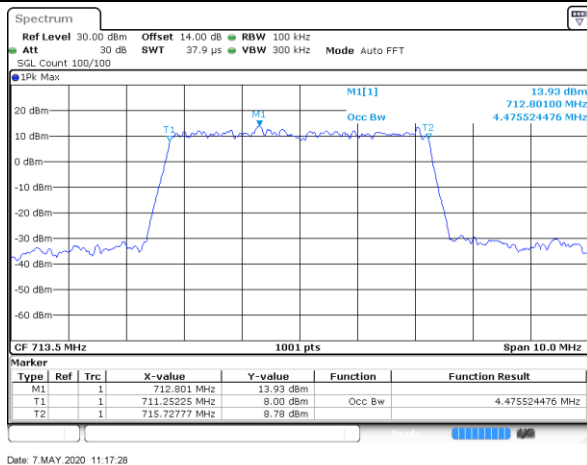
Middle Channel / 5MHz / QPSK



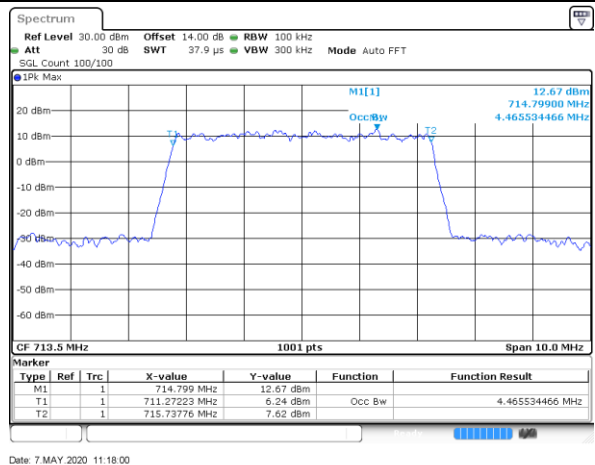
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



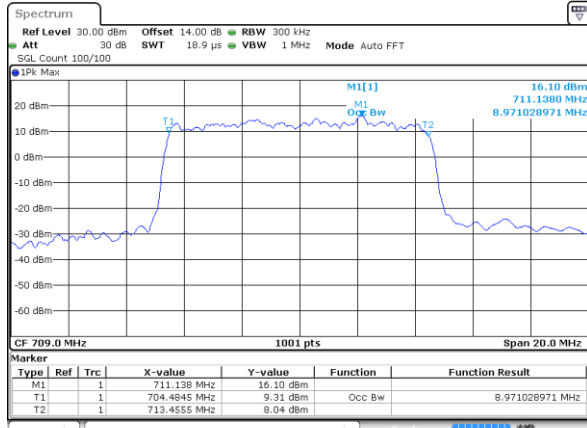
Highest Channel / 5MHz / 16QAM





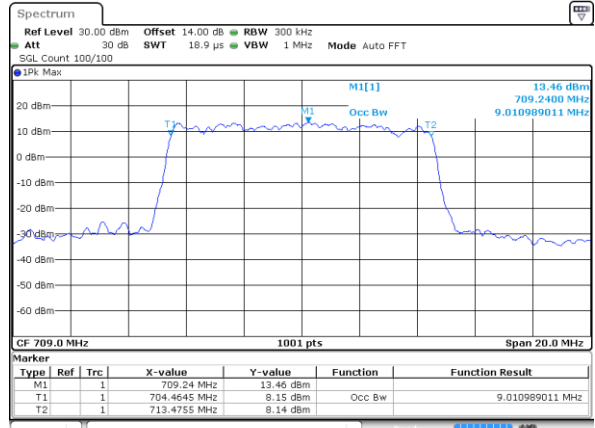
LTE Band 17

Lowest Channel / 10MHz / QPSK



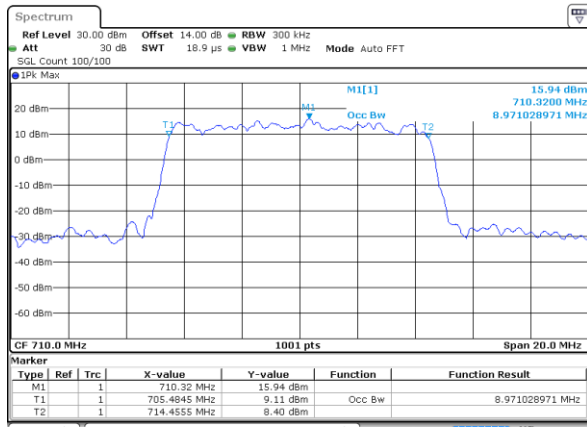
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Lowest Channel / 10MHz / 16QAM



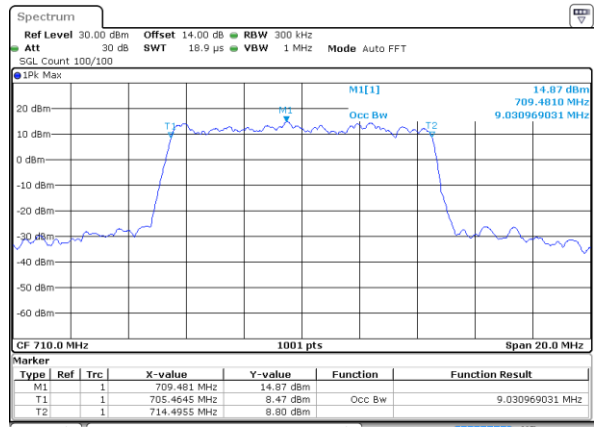
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Middle Channel / 10MHz / QPSK



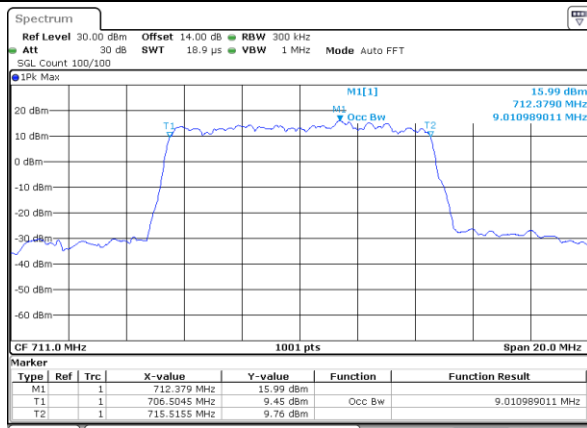
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Middle Channel / 10MHz / 16QAM



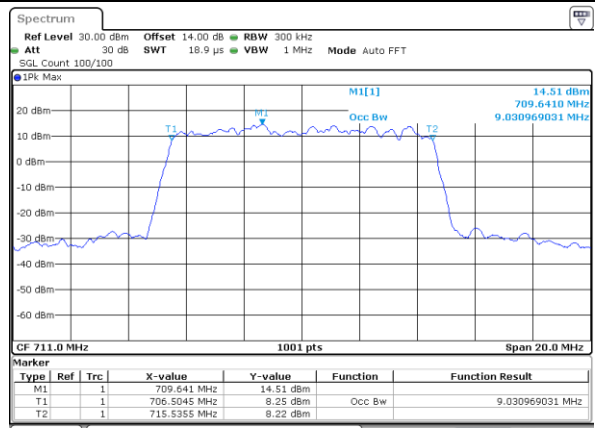
Date: 7 MAY 2020 13:46:17

Highest Channel / 10MHz / QPSK



Date: 7 MAY 2020 13:48:49

Highest Channel / 10MHz / 16QAM

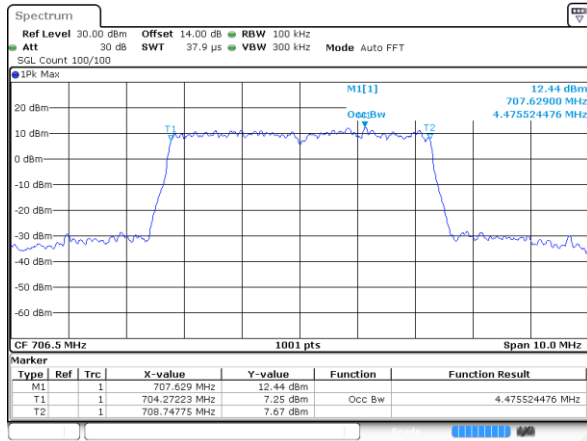


Date: 7 MAY 2020 13:49:47



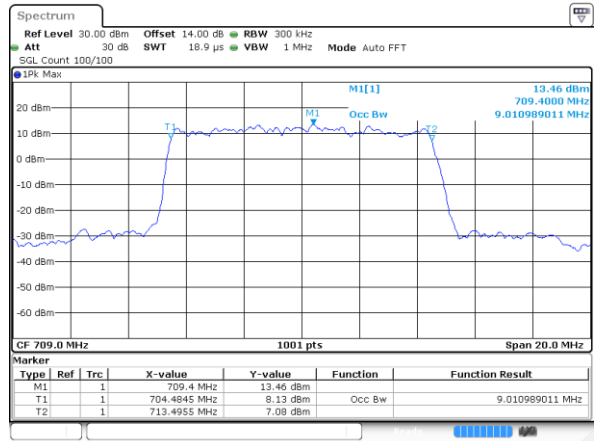
LTE Band 17

Lowest Channel / 5MHz / 64QAM



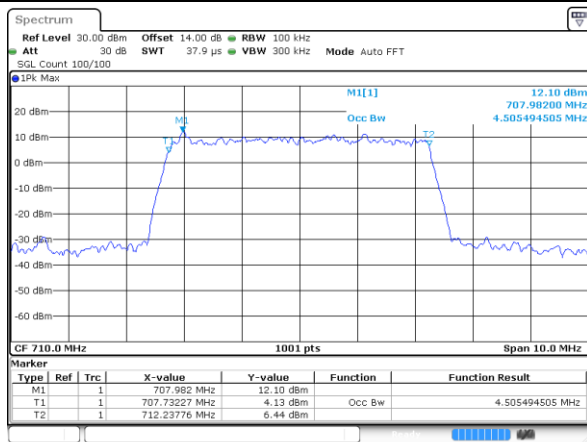
Date: 7 MAY 2020 11:11:00

Lowest Channel / 10MHz / 64QAM



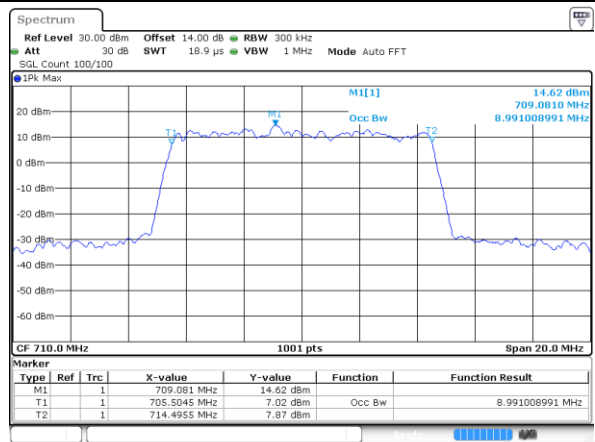
Date: 7 MAY 2020 11:36:01

Middle Channel / 5MHz / 64QAM



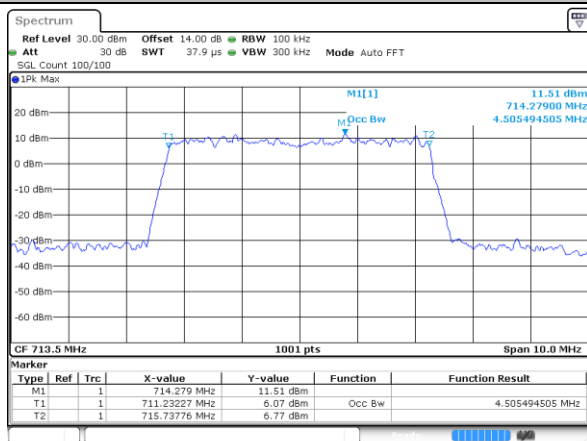
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Middle Channel / 10MHz / 64QAM



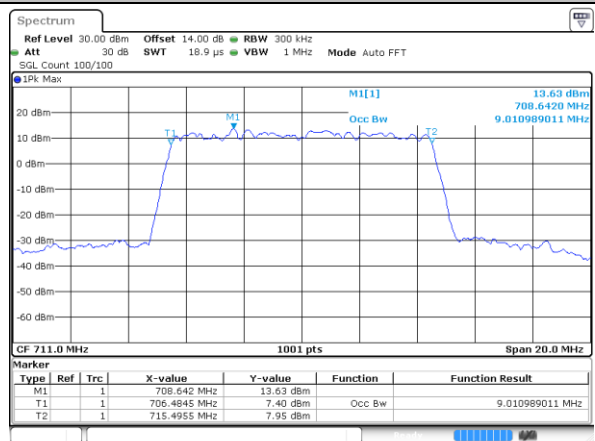
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Highest Channel / 5MHz / 64QAM



Date: 7 MAY 2020 11:18:32

Highest Channel / 10MHz / 64QAM



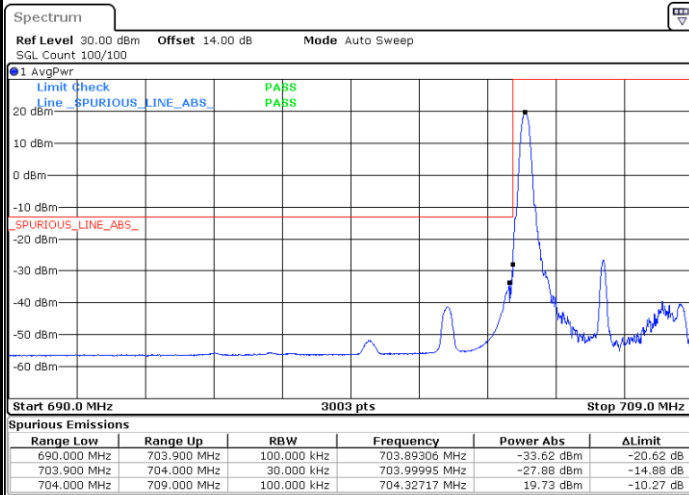
Date: 7 MAY 2020 13:50:28



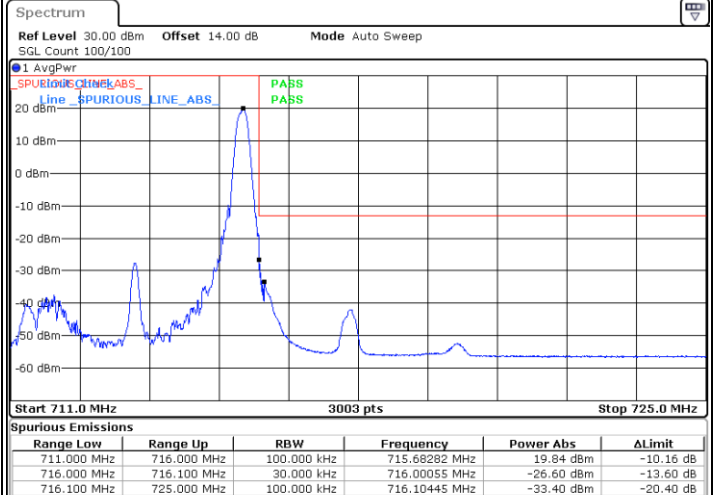
Conducted Band Edge

LTE Band 17 / 5MHz / QPSK

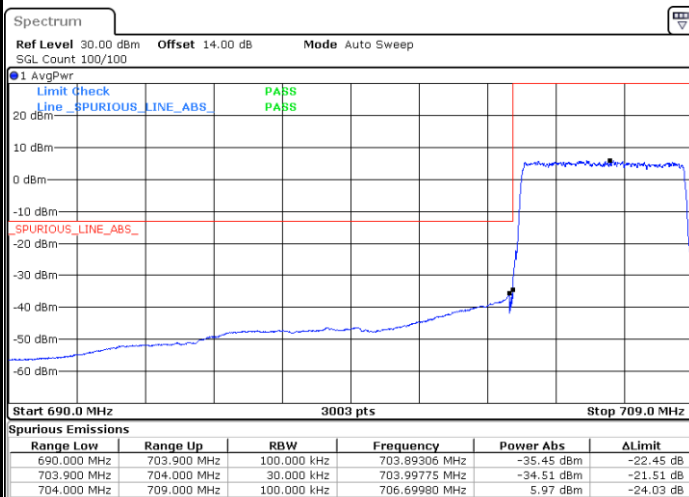
Lowest Band Edge / 1 RB



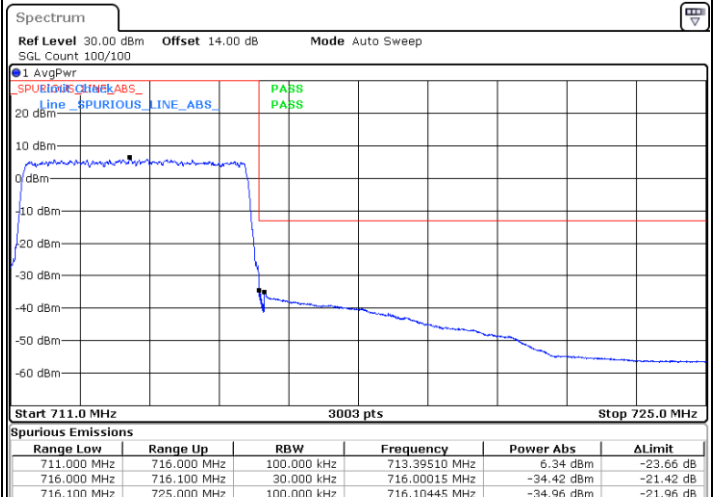
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



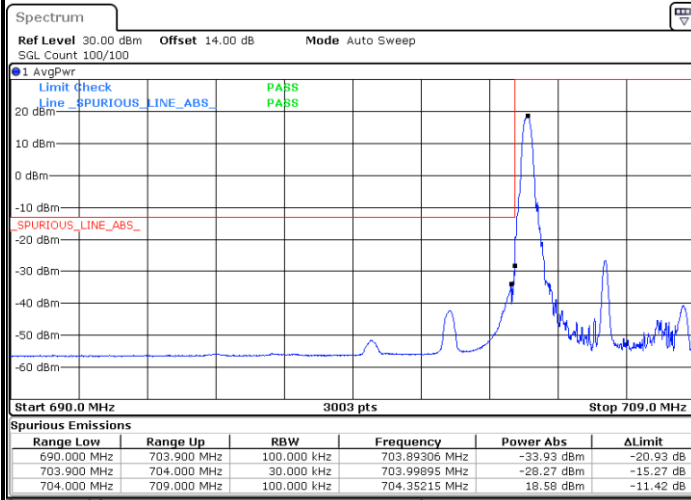
Highest Band Edge / Full RB



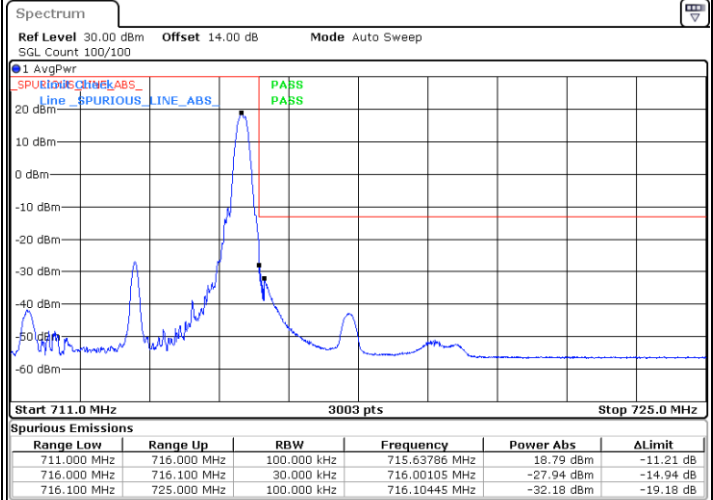


LTE Band 17 / 5MHz / 16QAM

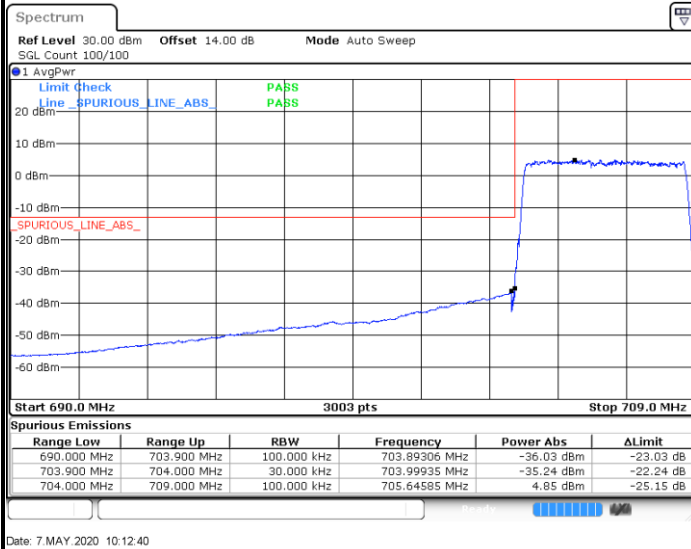
Lowest Band Edge / 1 RB



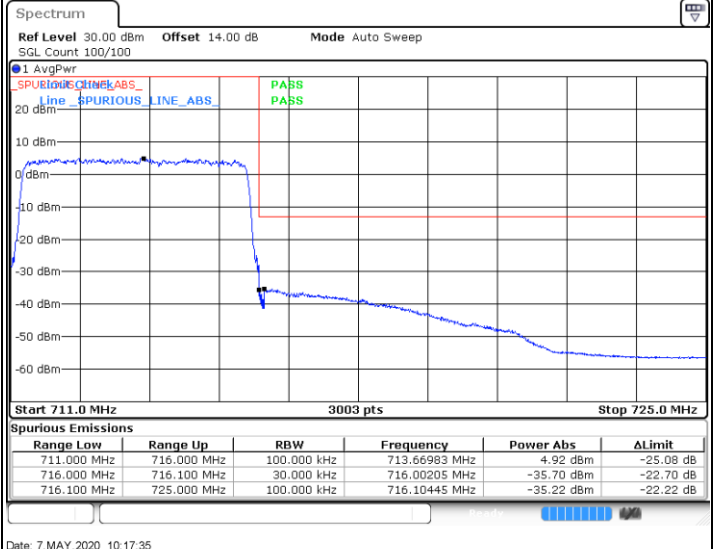
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



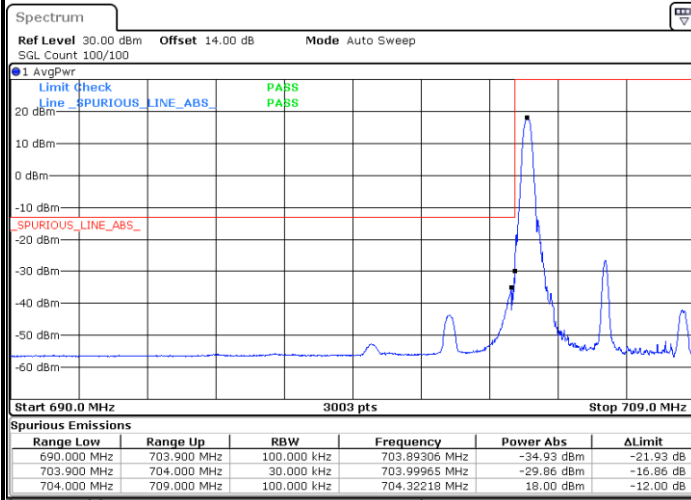
Highest Band Edge / Full RB



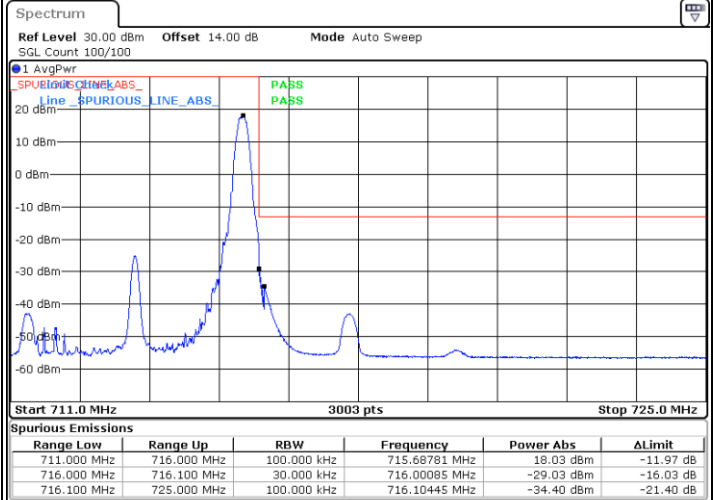


LTE Band 17 / 5MHz / 64QAM

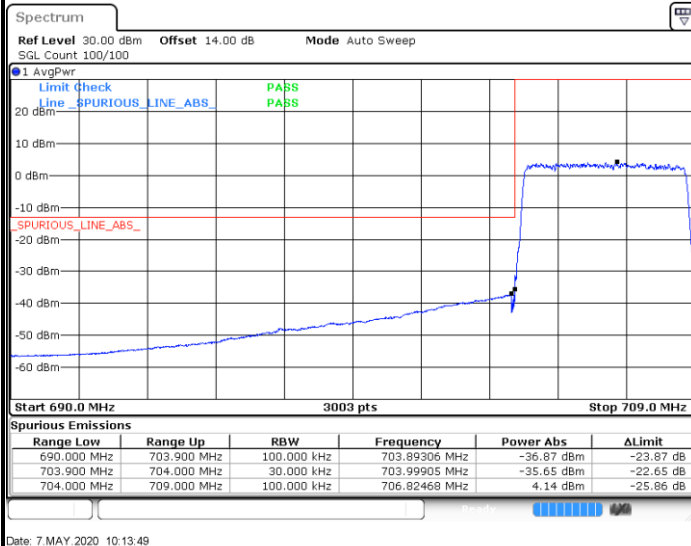
Lowest Band Edge / 1 RB



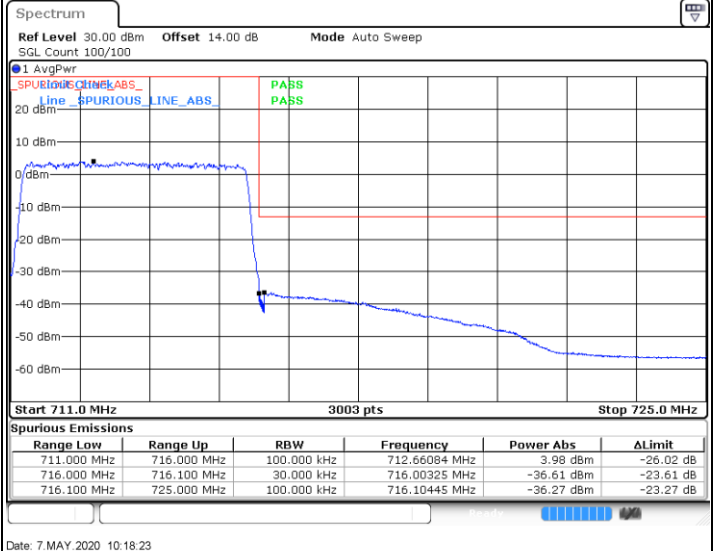
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



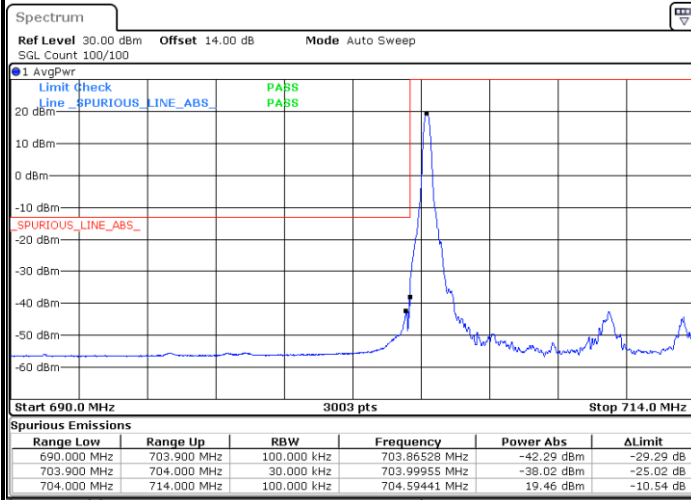
Highest Band Edge / Full RB



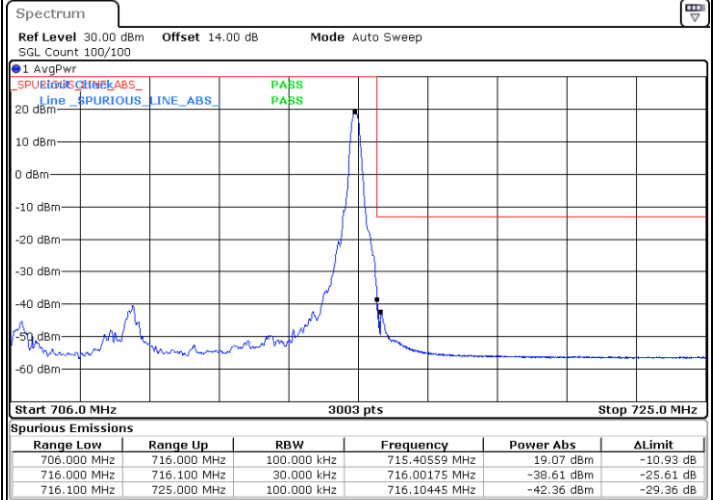


LTE Band 17 / 10MHz / QPSK

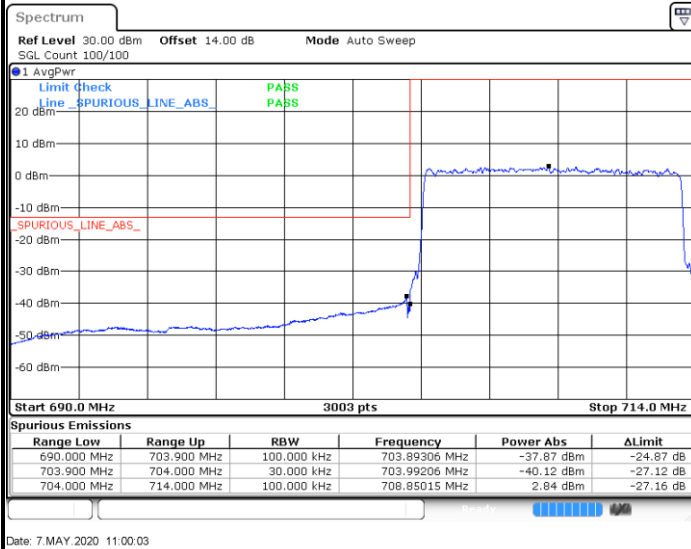
Lowest Band Edge / 1 RB



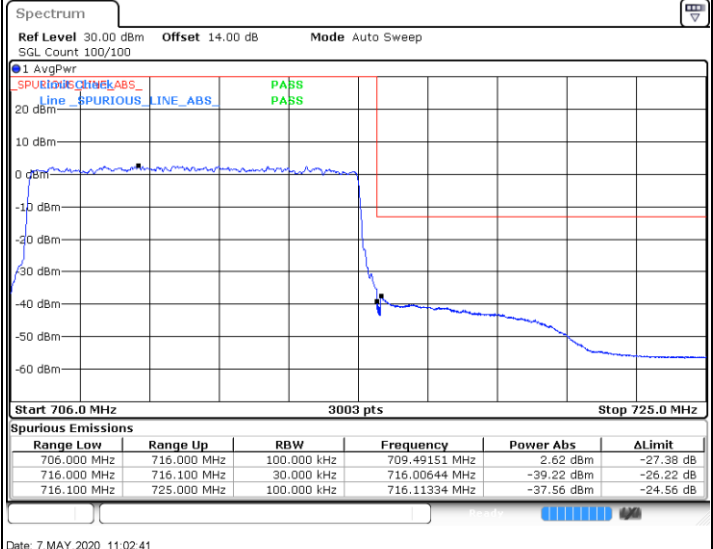
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



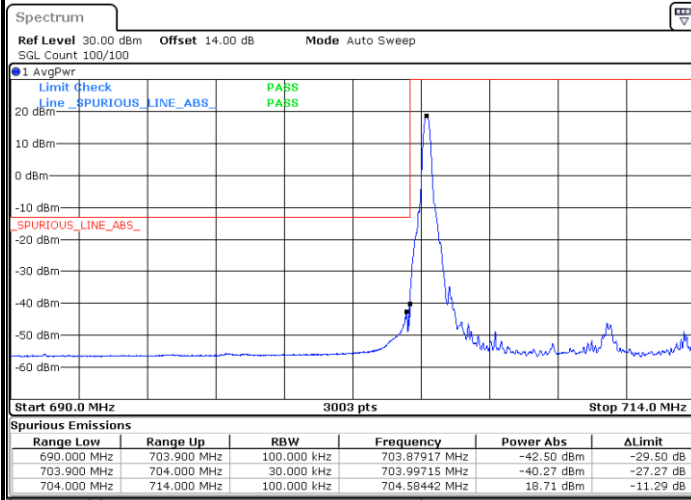
Highest Band Edge / Full RB



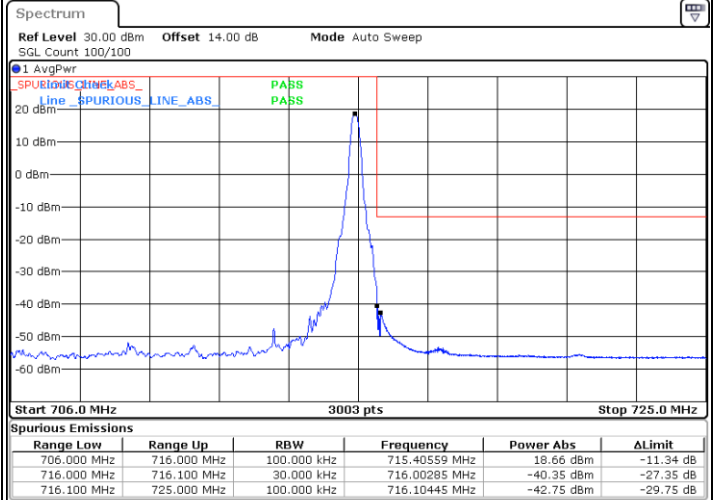


LTE Band 17 / 10MHz / 16QAM

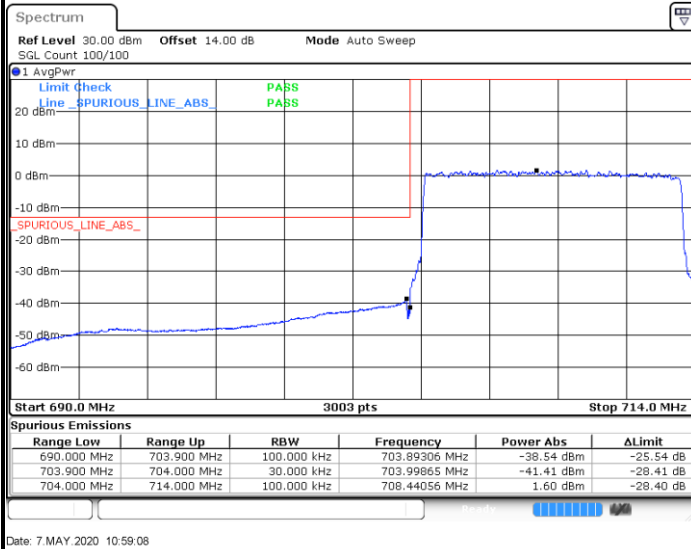
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

