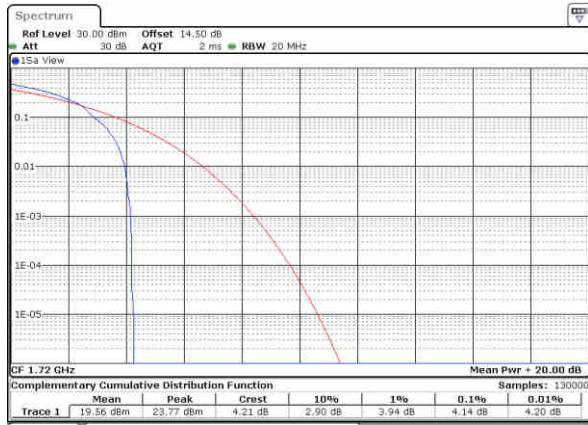




LTE Band 4 / 20MHz / 16QAM

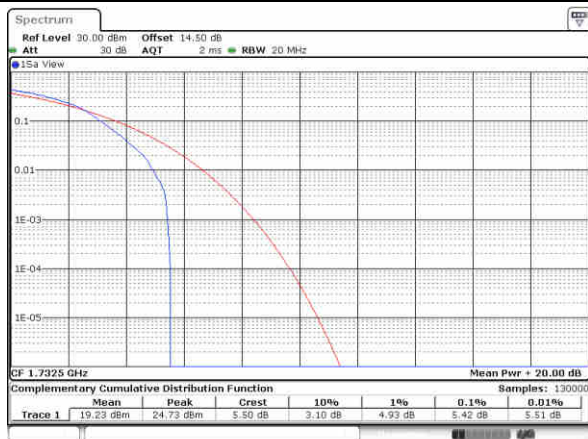
Lowest Channel / 1RB



Lowest Channel / Full RB



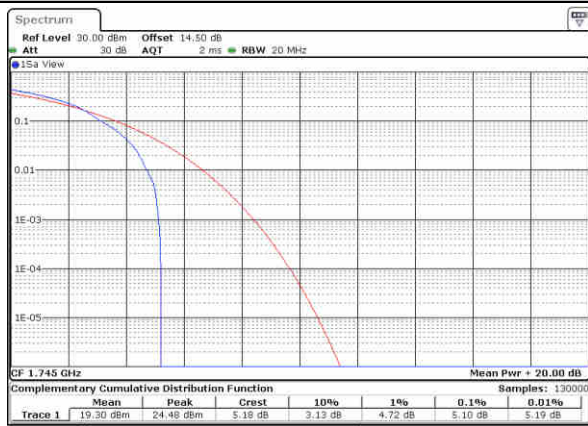
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB

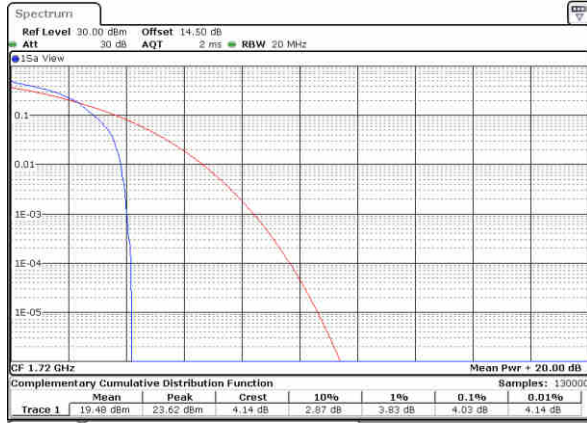


Highest Channel / Full RB



LTE Band 4 / 20MHz / 64QAM

Lowest Channel / 1RB



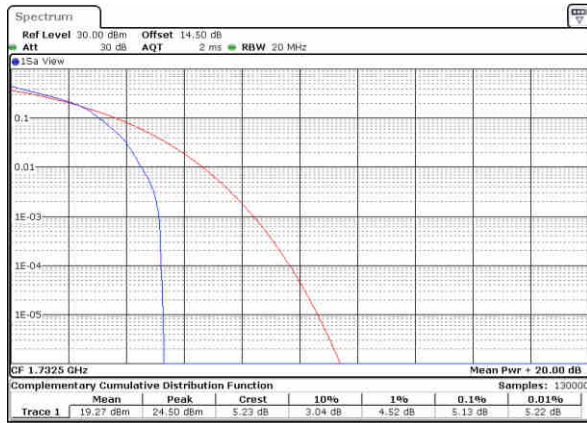
Date: 9, JAN, 2020 10:39:33

Lowest Channel / Full RB



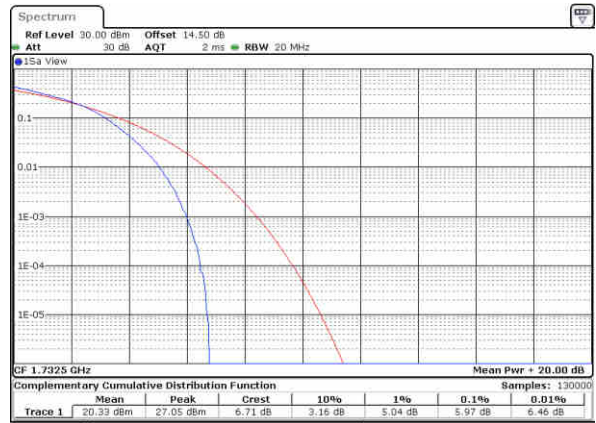
Date: 9, JAN, 2020 10:39:44

Middle Channel / 1RB



Date: 9, JAN, 2020 10:39:54

Middle Channel / Full RB



Date: 9, JAN, 2020 10:40:05

Highest Channel / 1RB



Date: 9, JAN, 2020 10:40:17

Highest Channel / Full RB



Date: 9, JAN, 2020 10:40:29

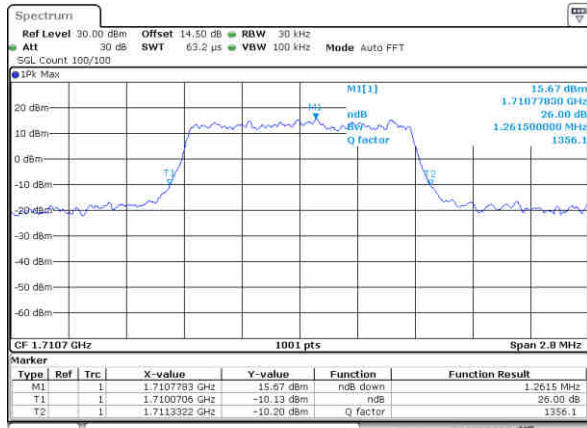
**26dB Bandwidth**

Mode	LTE Band 4 : 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	1.26	1.30	2.93	2.96	4.84	4.87	9.79	9.67	14.18	14.15	18.94	19.02
Middle CH	1.27	1.28	2.94	2.95	4.81	4.87	9.77	9.73	14.27	14.18	18.86	18.86
Highest CH	1.27	1.29	2.96	2.96	4.89	4.89	9.85	9.83	14.21	14.33	18.74	18.94
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.26	-	2.96	-	4.82	-	9.67	-	14.57	-	19.22	-
Middle CH	1.27	-	2.95	-	4.86	-	9.81	-	14.30	-	18.82	-
Highest CH	1.28	-	2.94	-	4.84	-	9.75	-	14.27	-	18.90	-



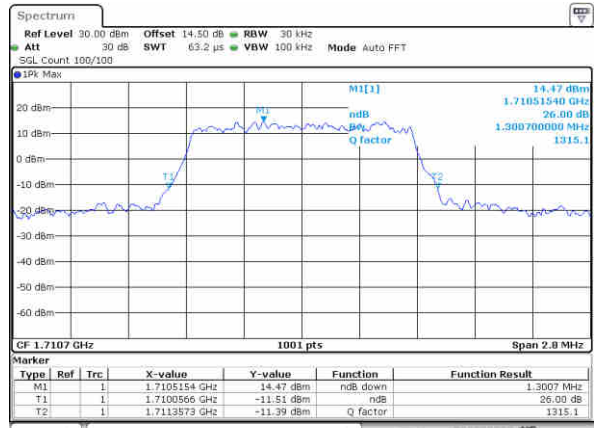
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



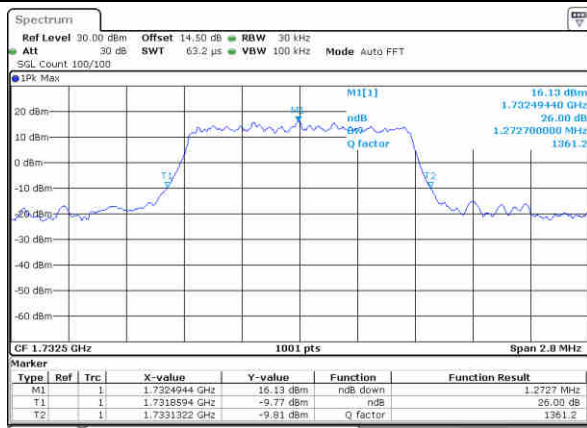
Date: 9-JAN-2020 08:46:48

Lowest Channel / 1.4MHz / 16QAM



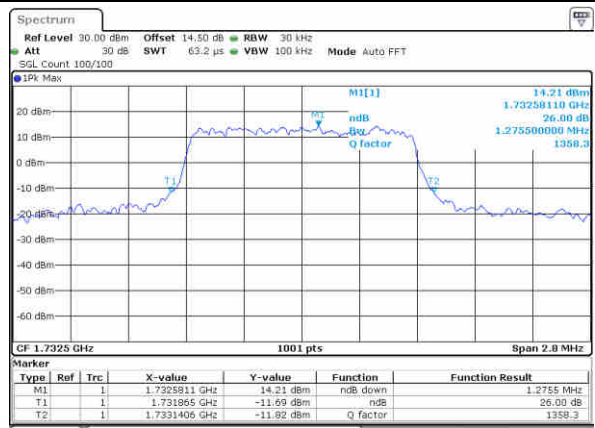
Date: 9-JAN-2020 08:46:59

Middle Channel / 1.4MHz / QPSK



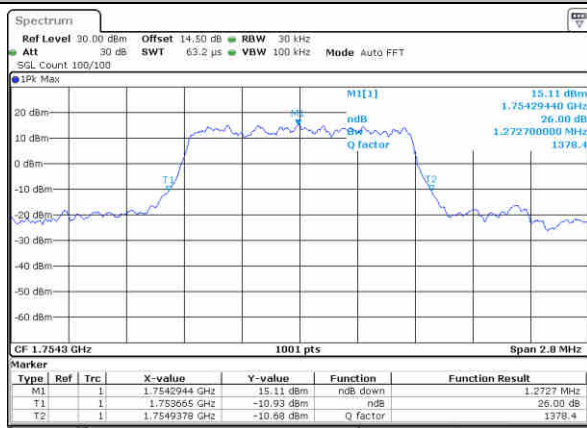
Date: 9-JAN-2020 08:53:01

Middle Channel / 1.4MHz / 16QAM



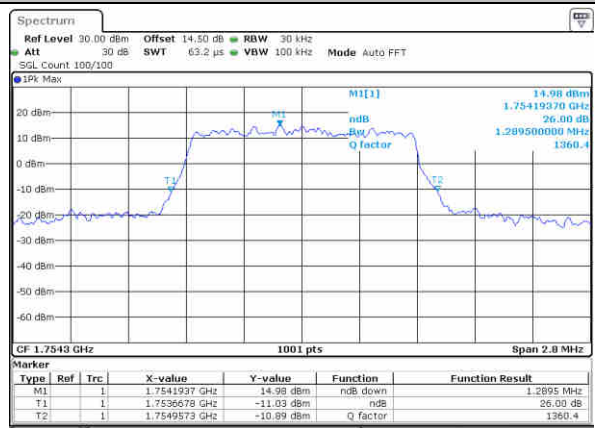
Date: 9-JAN-2020 08:53:06

Highest Channel / 1.4MHz / QPSK



Date: 9-JAN-2020 08:55:14

Highest Channel / 1.4MHz / 16QAM

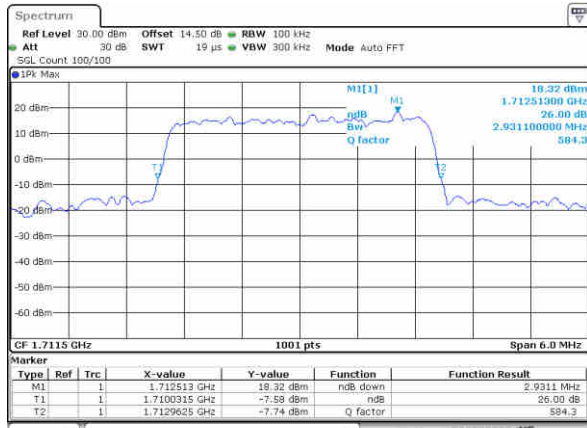


Date: 9-JAN-2020 08:55:25



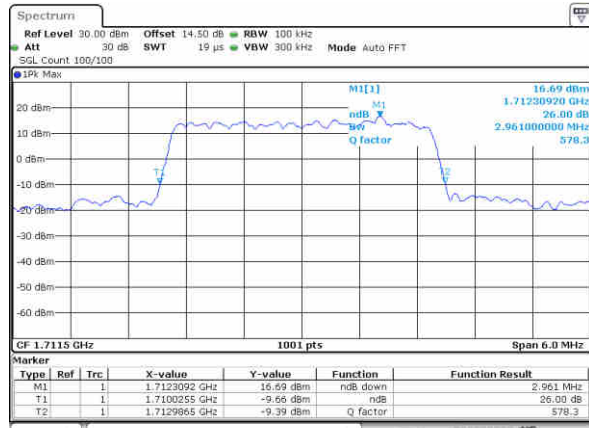
LTE Band 4

Lowest Channel / 3MHz / QPSK



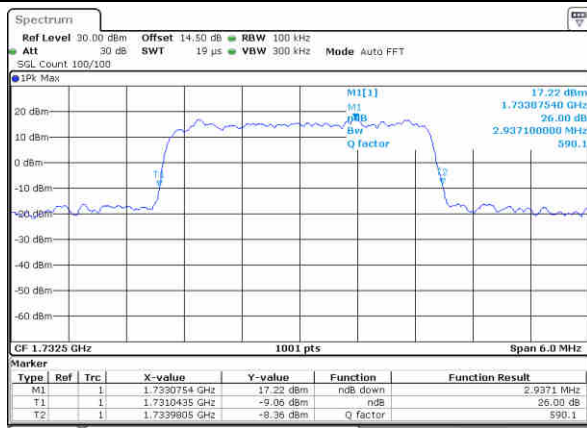
Date: 9-JAN-2020 07:35:06

Lowest Channel / 3MHz / 16QAM



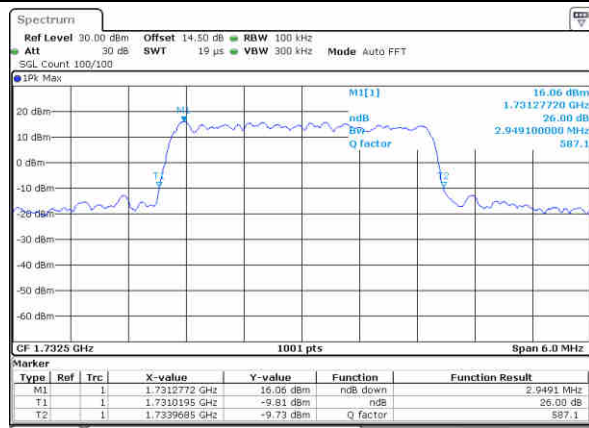
Date: 9-JAN-2020 07:35:17

Middle Channel / 3MHz / QPSK



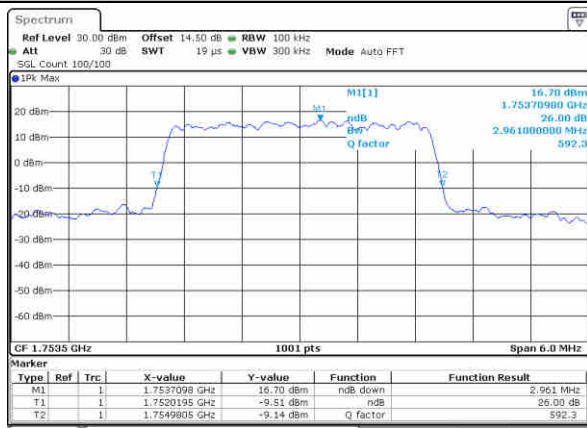
Date: 9-JAN-2020 07:41:13

Middle Channel / 3MHz / 16QAM



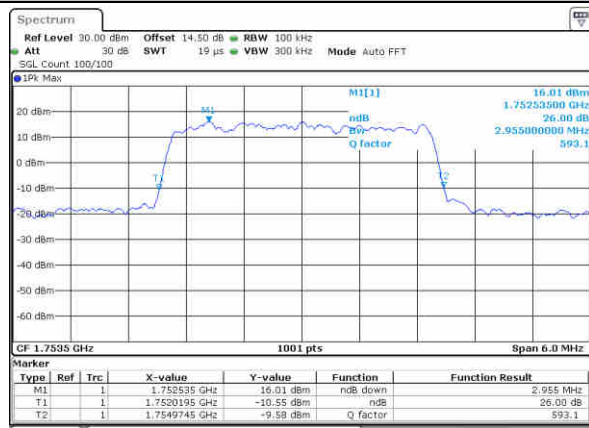
Date: 9-JAN-2020 07:41:24

Highest Channel / 3MHz / QPSK



Date: 9-JAN-2020 07:43:21

Highest Channel / 3MHz / 16QAM

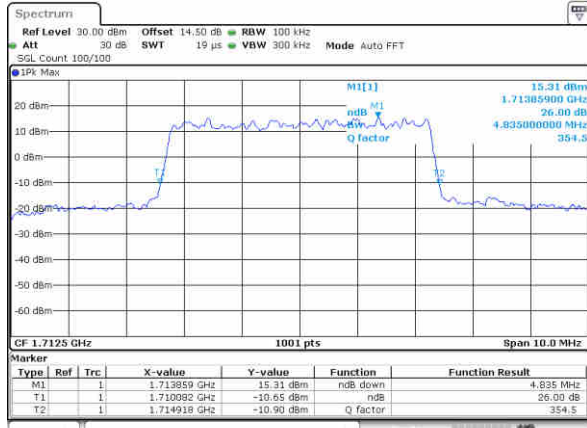


Date: 9-JAN-2020 07:43:32

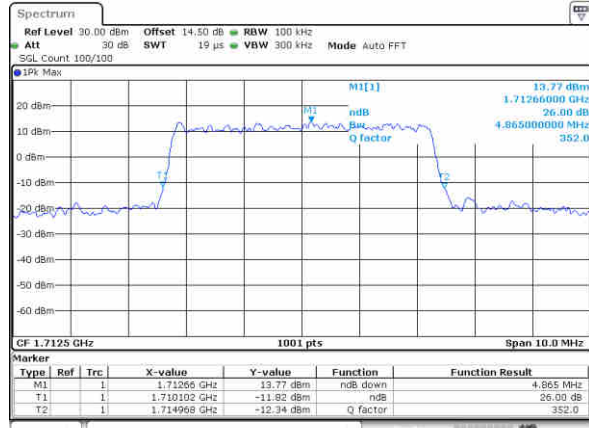


LTE Band 4

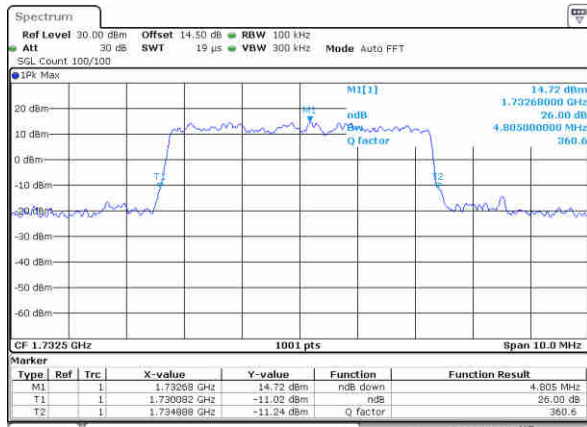
Lowest Channel / 5MHz / QPSK



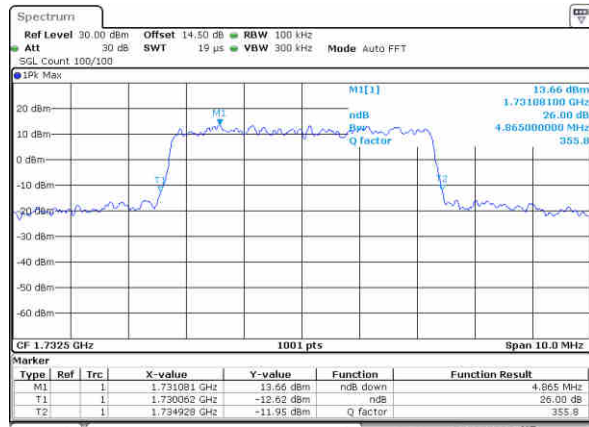
Lowest Channel / 5MHz / 16QAM



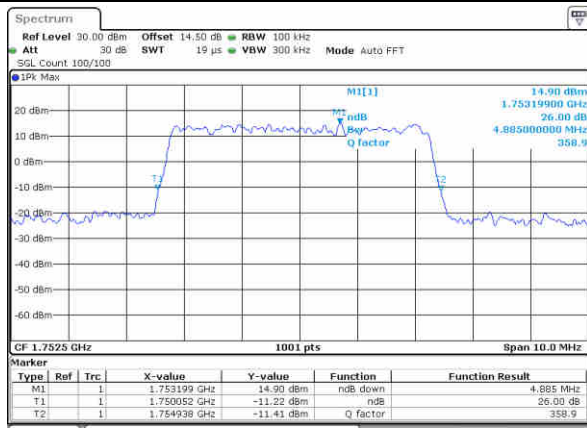
Middle Channel / 5MHz / QPSK



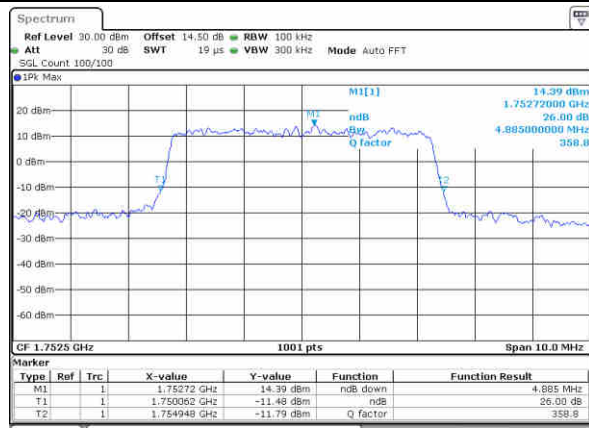
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



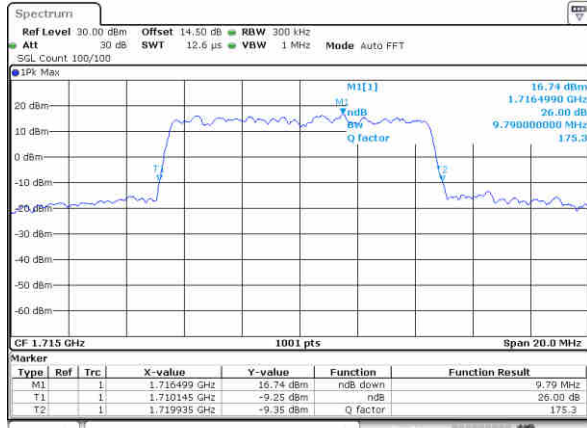
Highest Channel / 5MHz / 16QAM



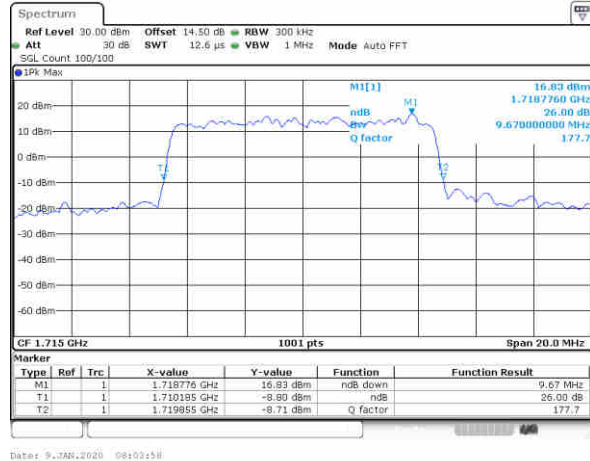


LTE Band 4

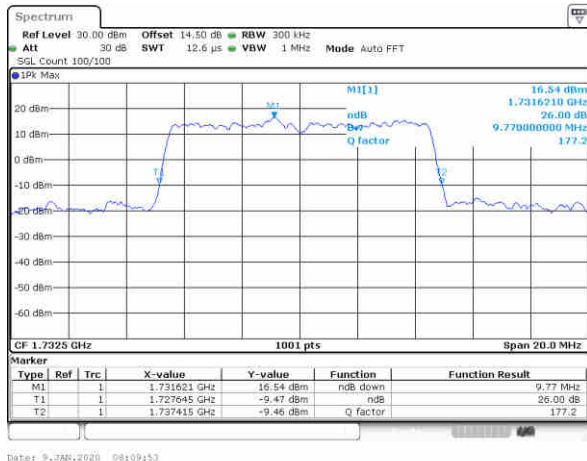
Lowest Channel / 10MHz / QPSK



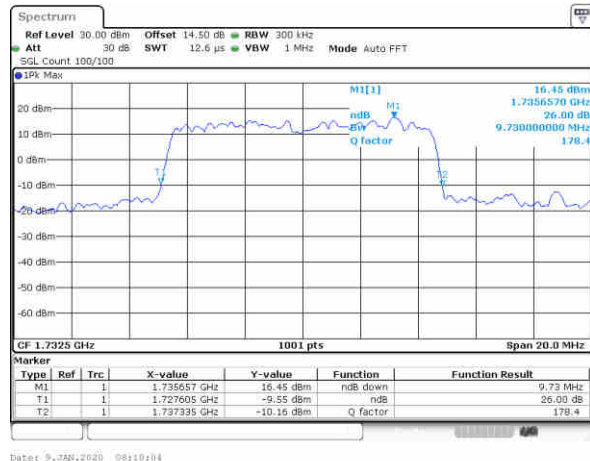
Lowest Channel / 10MHz / 16QAM



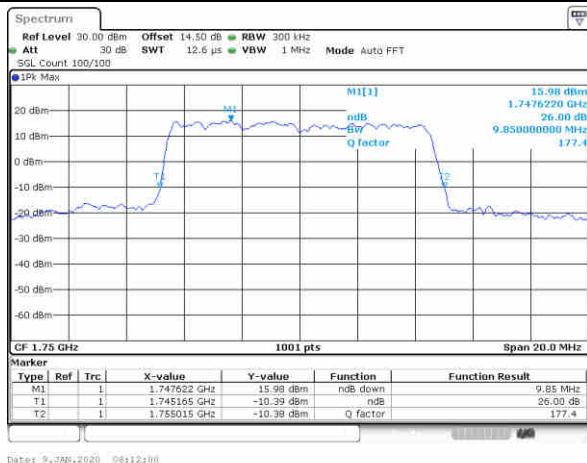
Middle Channel / 10MHz / QPSK



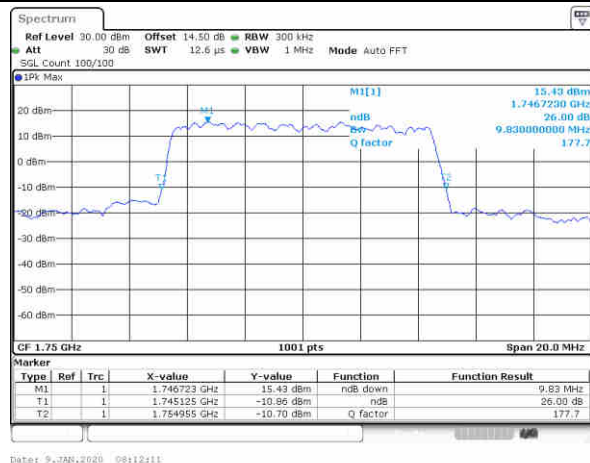
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



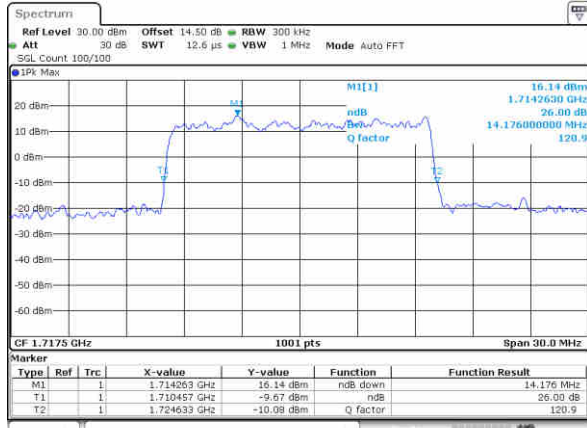
Highest Channel / 10MHz / 16QAM





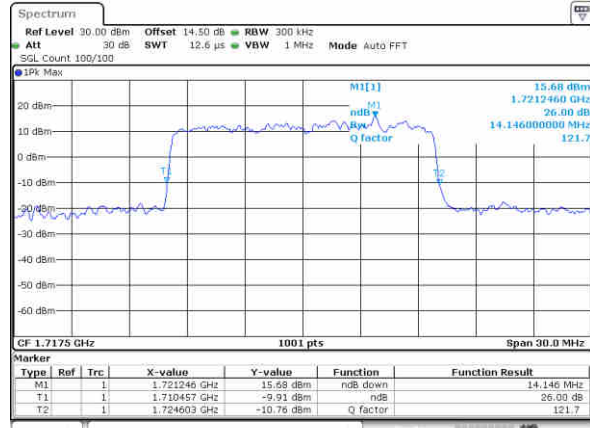
LTE Band 4

Lowest Channel / 15MHz / QPSK



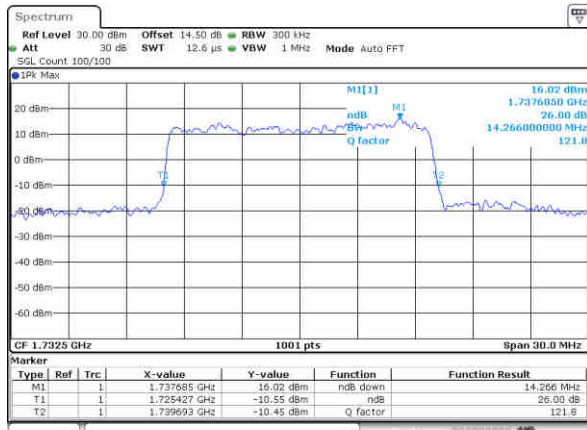
Date: 9-JAN-2020 08:18:17

Lowest Channel / 15MHz / 16QAM



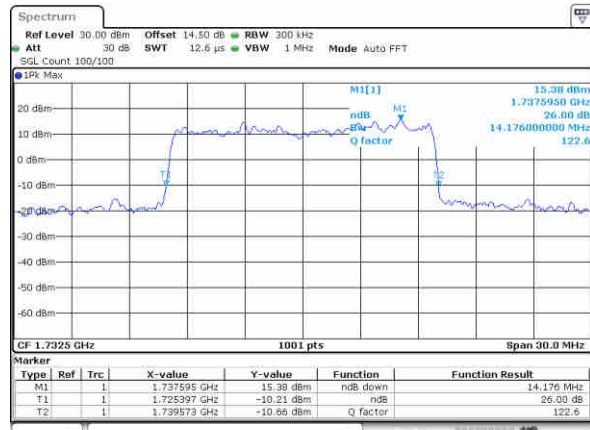
Date: 9-JAN-2020 08:18:18

Middle Channel / 15MHz / QPSK



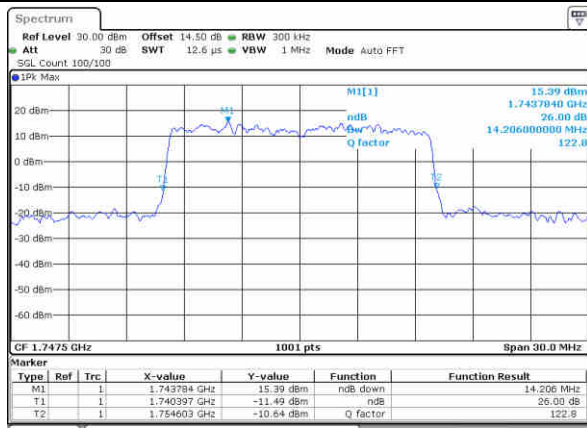
Date: 9-JAN-2020 08:24:13

Middle Channel / 15MHz / 16QAM



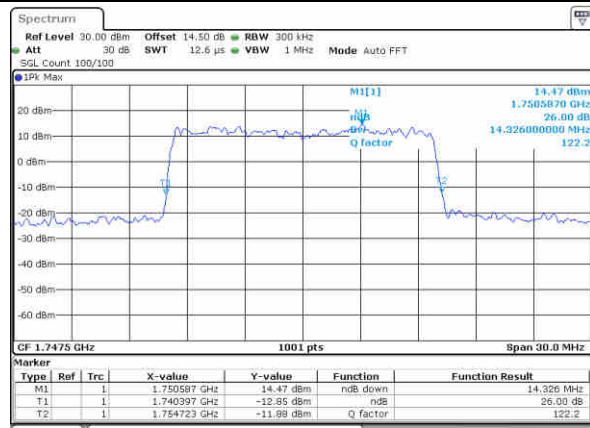
Date: 9-JAN-2020 08:24:14

Highest Channel / 15MHz / QPSK



Date: 9-JAN-2020 08:26:21

Highest Channel / 15MHz / 16QAM

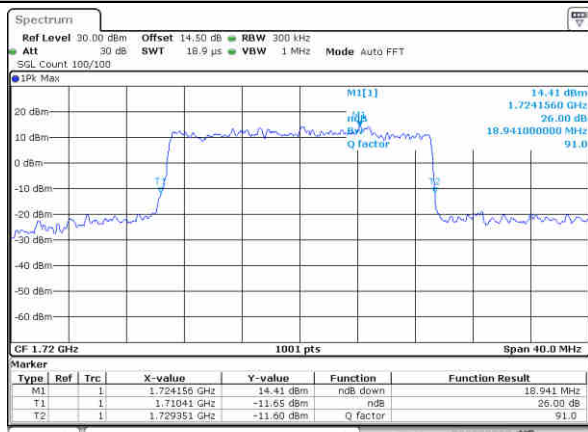


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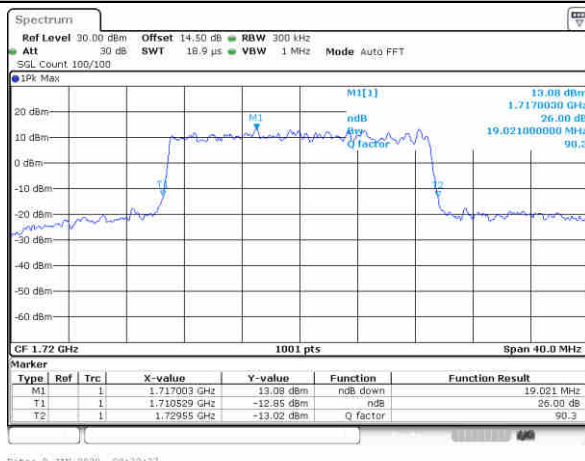


LTE Band 4

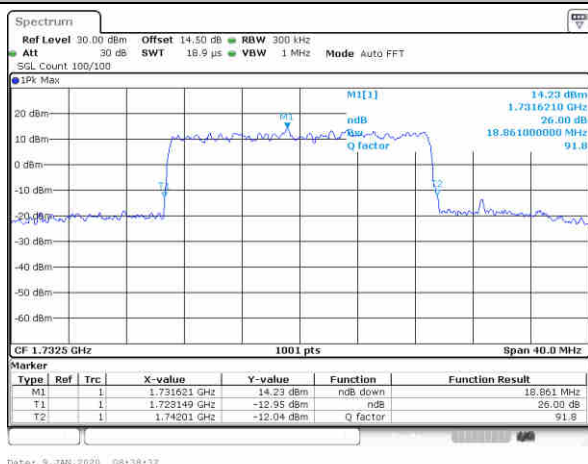
Lowest Channel / 20MHz / QPSK



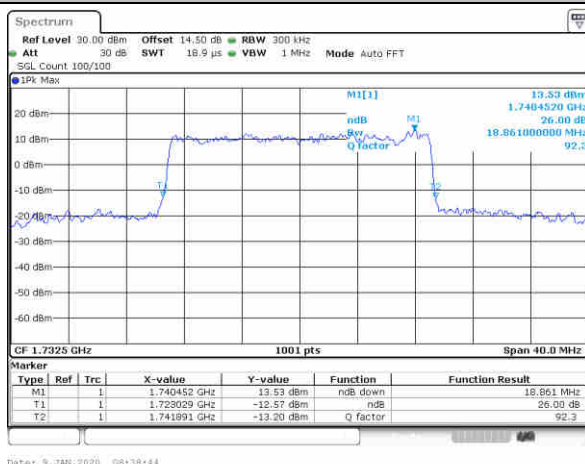
Lowest Channel / 20MHz / 16QAM



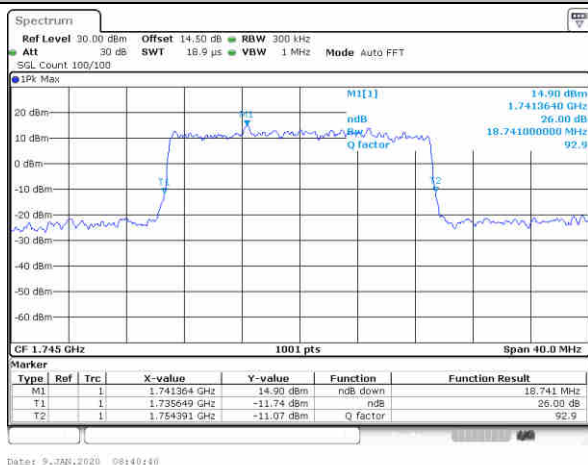
Middle Channel / 20MHz / QPSK



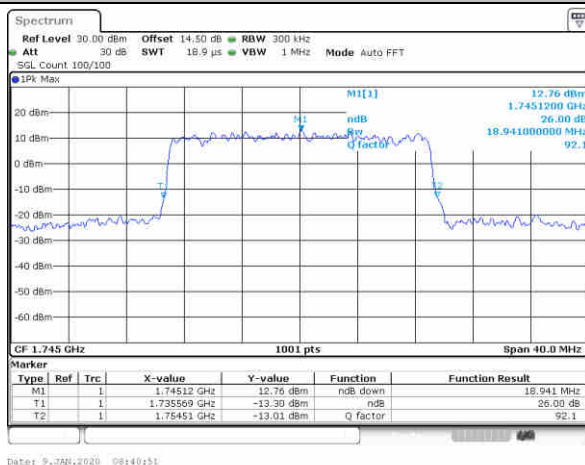
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



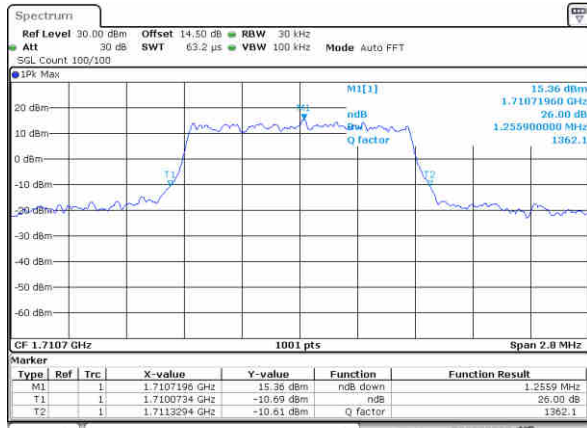
Highest Channel / 20MHz / 16QAM





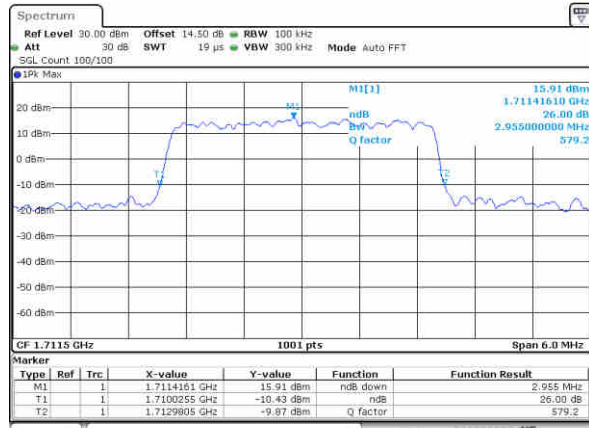
LTE Band 4

Lowest Channel / 1.4MHz / 64QAM



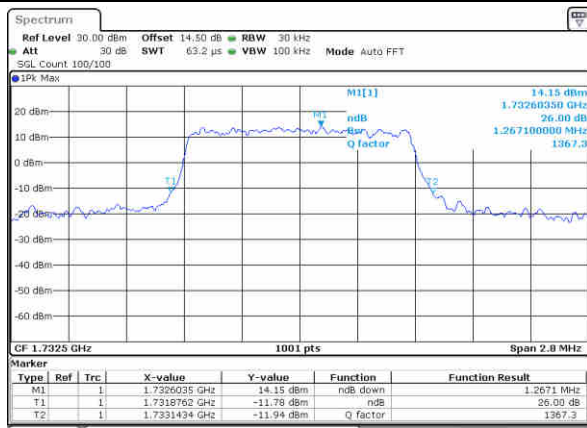
Date: 9-JAN-2020 10:32:19

Lowest Channel / 3MHz / 64QAM



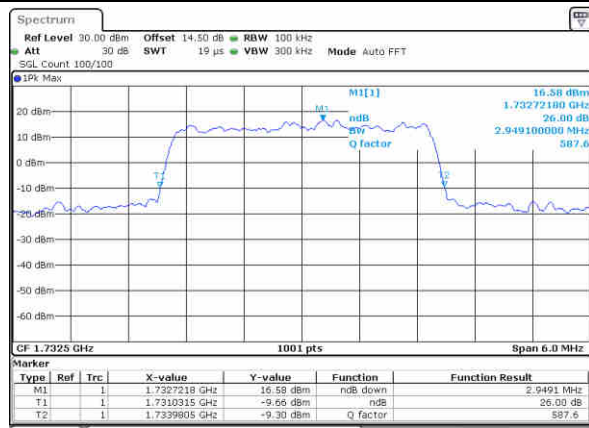
Date: 9-JAN-2020 09:56:32

Middle Channel / 1.4MHz / 64QAM



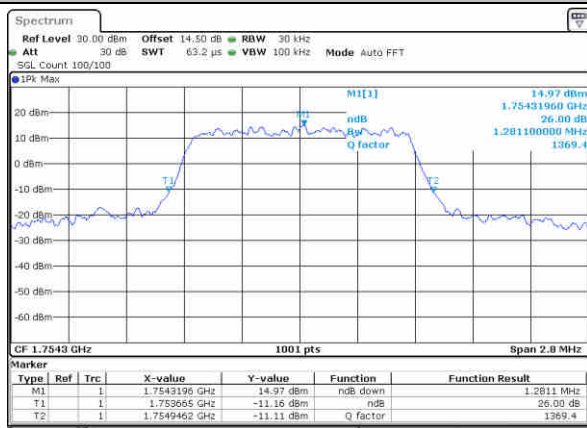
Date: 9-JAN-2020 10:35:28

Middle Channel / 3MHz / 64QAM



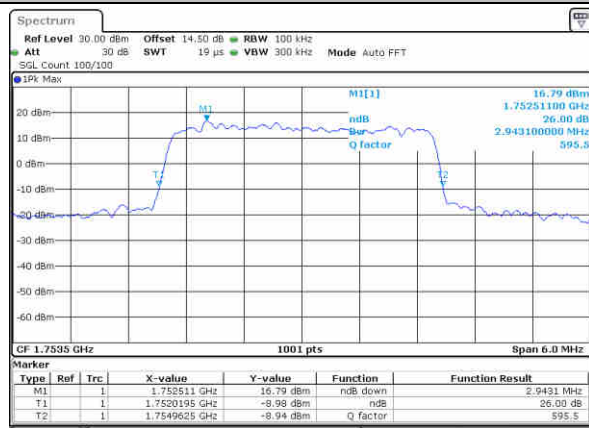
Date: 9-JAN-2020 09:59:35

Highest Channel / 1.4MHz / 64QAM



Date: 9-JAN-2020 10:36:32

Highest Channel / 3MHz / 64QAM

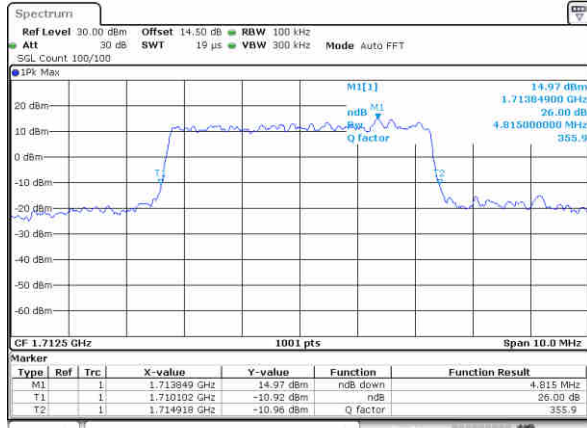


Date: 9-JAN-2020 10:00:39

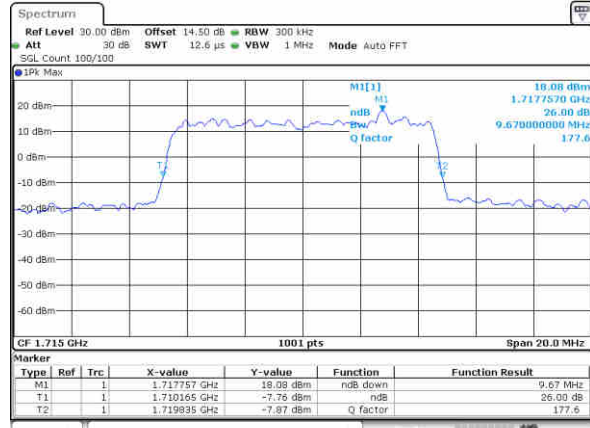


LTE Band 4

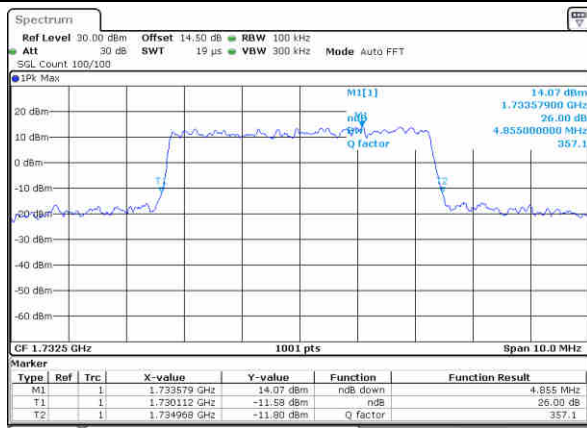
Lowest Channel / 5MHz / 64QAM



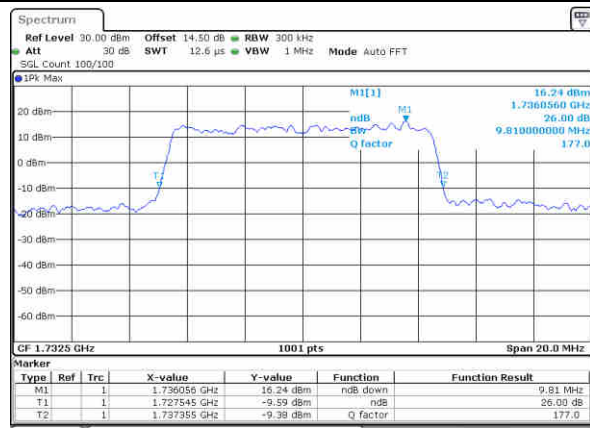
Lowest Channel / 10MHz / 64QAM



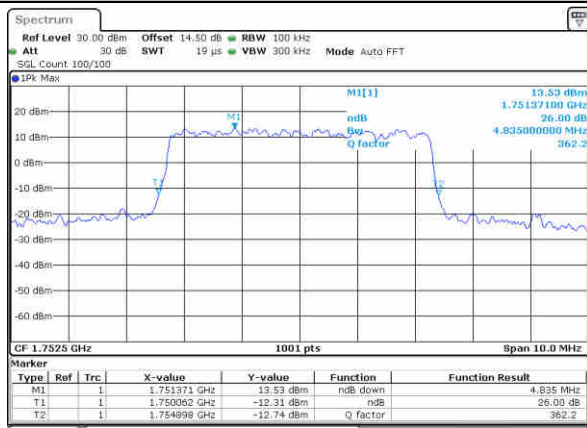
Middle Channel / 5MHz / 64QAM



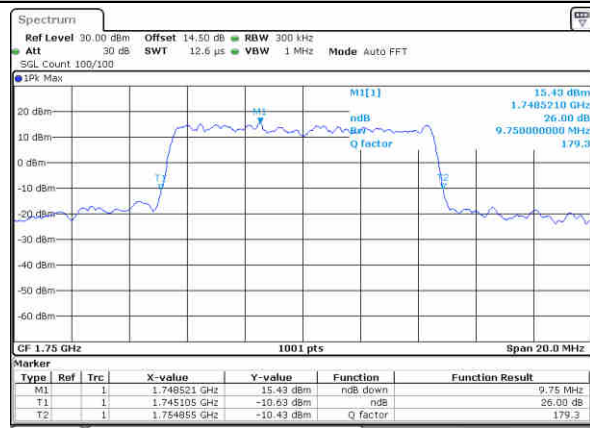
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



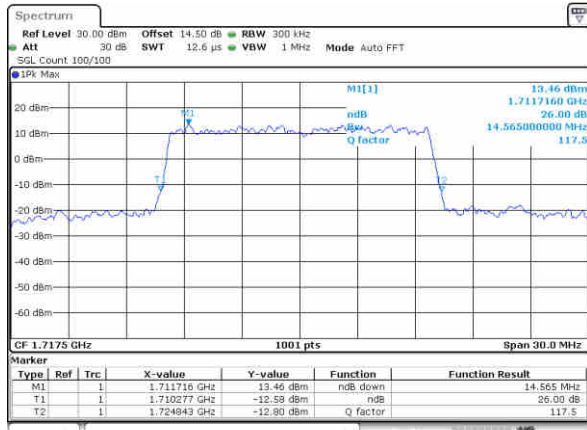
Highest Channel / 10MHz / 64QAM



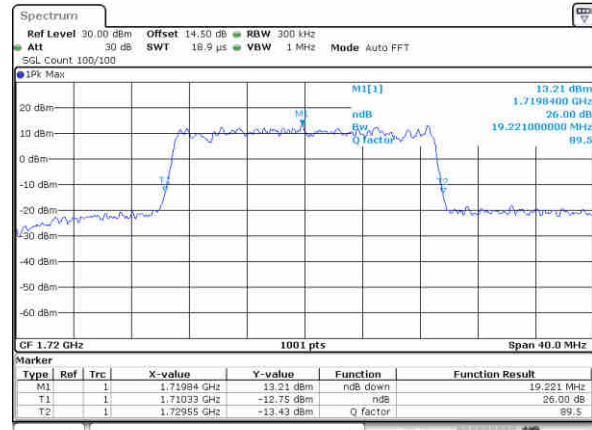


LTE Band 4

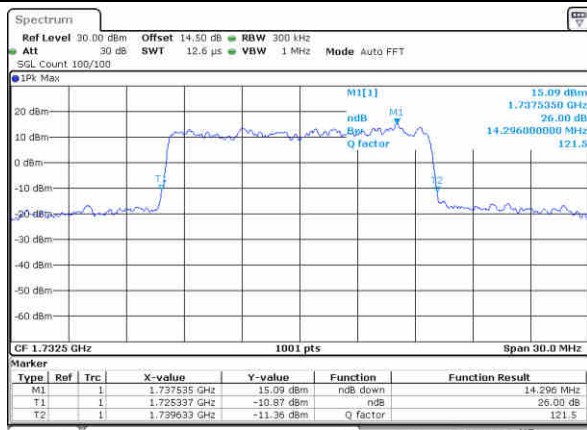
Lowest Channel / 15MHz / 64QAM



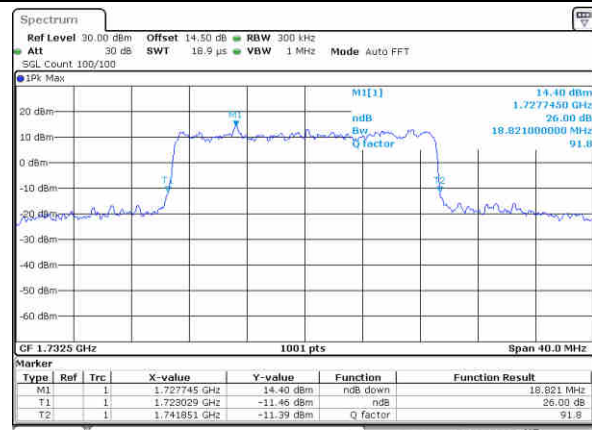
Lowest Channel / 20MHz / 64QAM



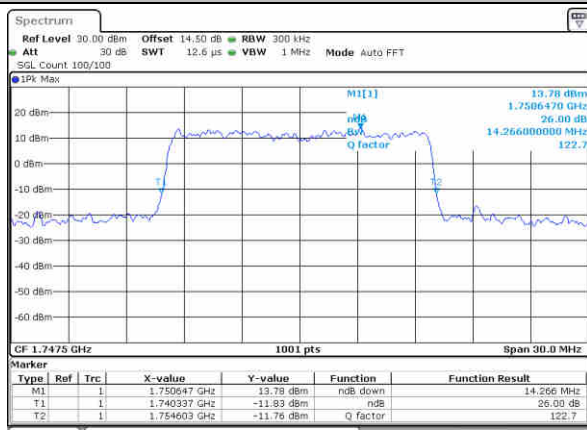
Middle Channel / 15MHz / 64QAM



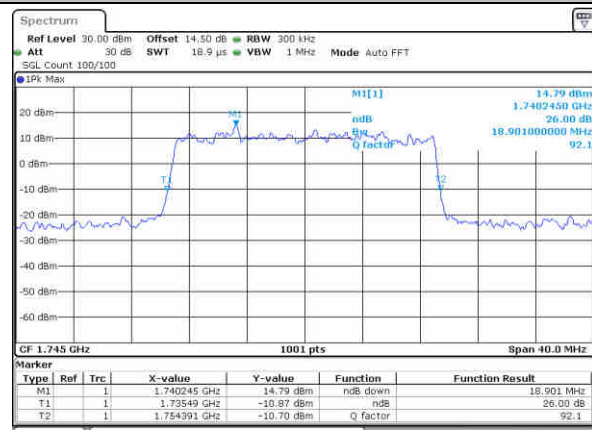
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM



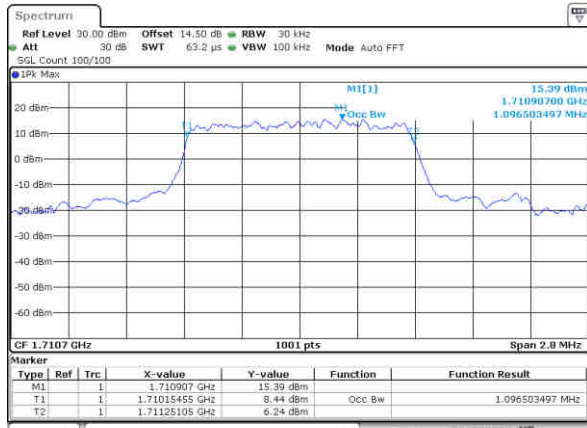
**Occupied Bandwidth**

Mode	LTE Band 4 : 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	1.10	1.09	2.72	2.73	4.51	4.49	9.03	9.03	13.40	13.46	17.86	17.90
Middle CH	1.09	1.09	2.70	2.72	4.49	4.48	9.07	9.05	13.46	13.52	17.98	17.94
Highest CH	1.09	1.09	2.71	2.70	4.50	4.50	9.01	9.01	13.49	13.49	17.86	17.74
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.10	-	2.73	-	4.48	-	9.01	-	13.43	-	17.82	-
Middle CH	1.09	-	2.73	-	4.49	-	9.03	-	13.52	-	18.02	-
Highest CH	1.09	-	2.73	-	4.49	-	9.05	-	13.46	-	17.82	-

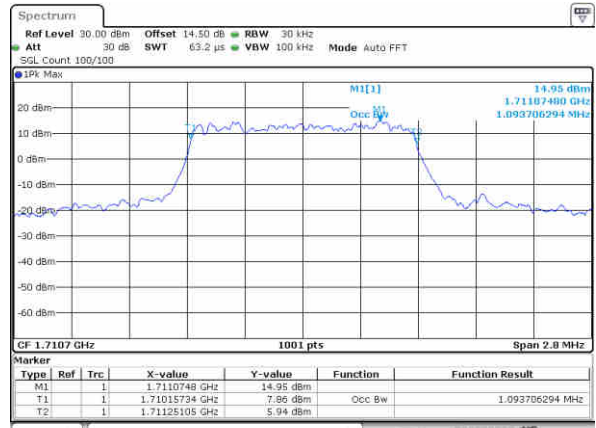


LTE Band 4

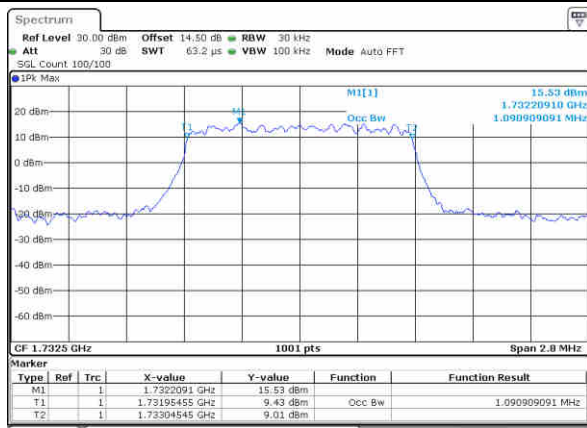
Lowest Channel / 1.4MHz / QPSK



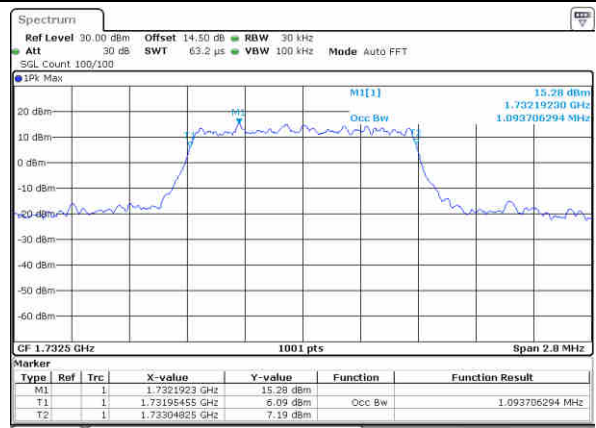
Lowest Channel / 1.4MHz / 16QAM



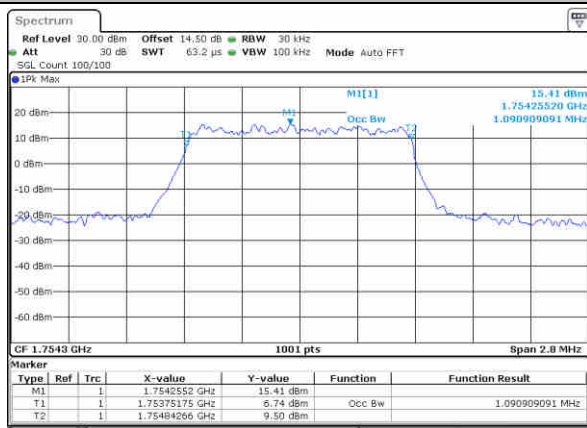
Middle Channel / 1.4MHz / QPSK



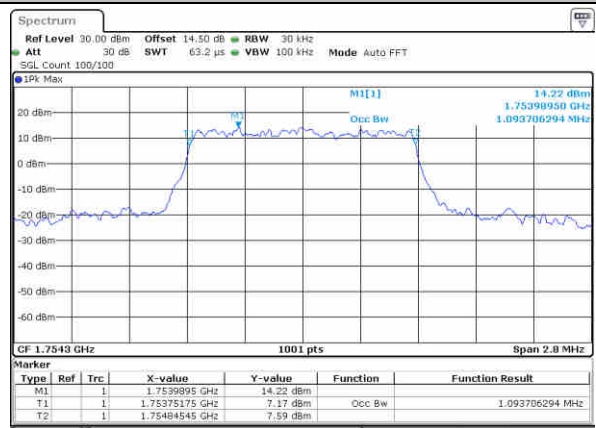
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



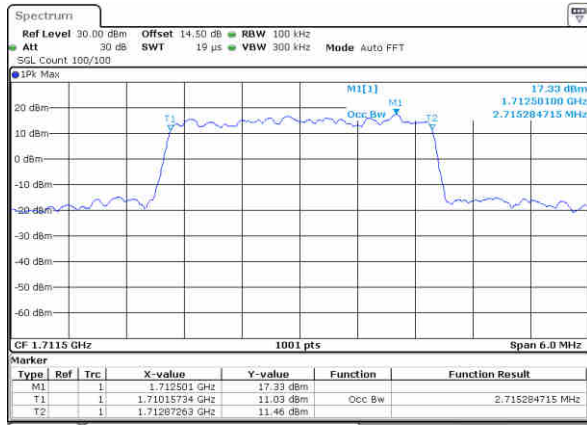
Highest Channel / 1.4MHz / 16QAM





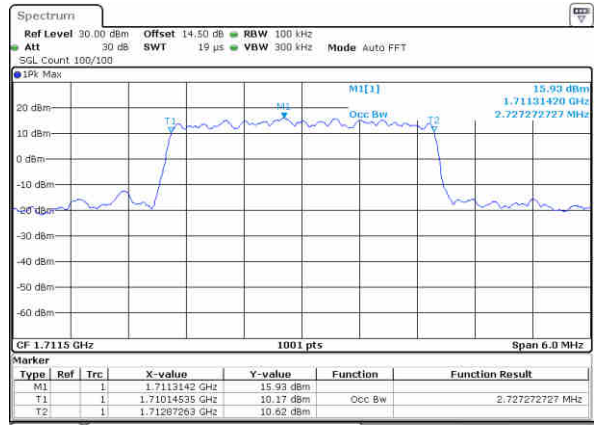
LTE Band 4

Lowest Channel / 3MHz / QPSK



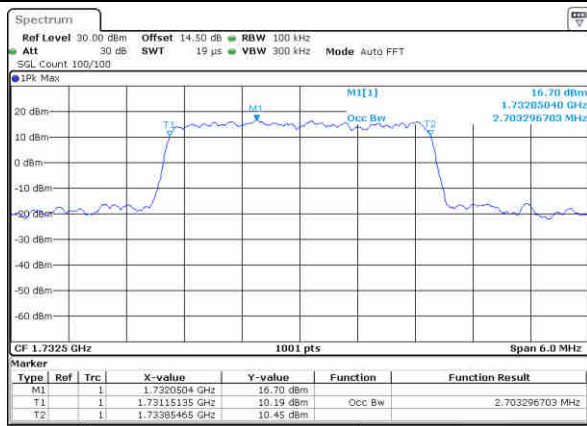
Date: 9-JAN-2020 07:34:44

Lowest Channel / 3MHz / 16QAM



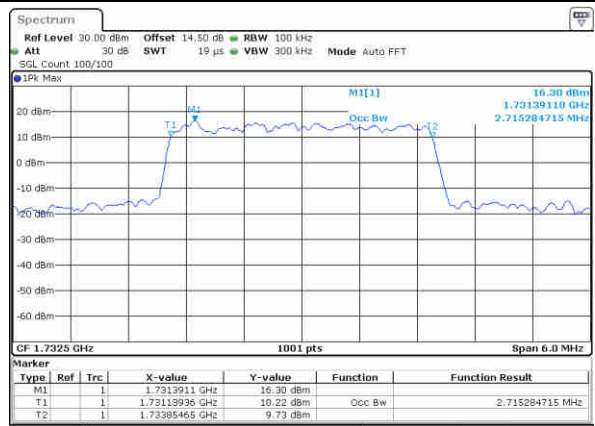
Date: 9-JAN-2020 07:34:55

Middle Channel / 3MHz / QPSK



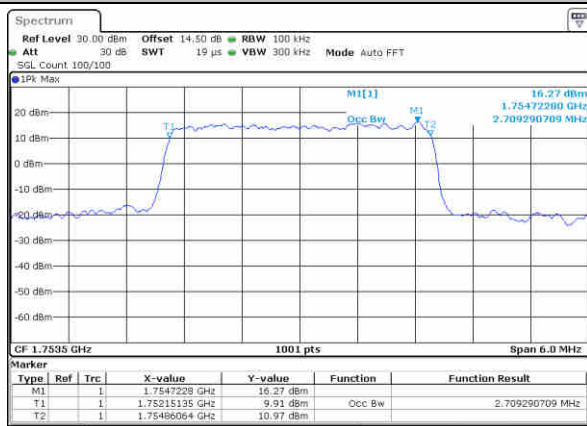
Date: 9-JAN-2020 07:40:51

Middle Channel / 3MHz / 16QAM



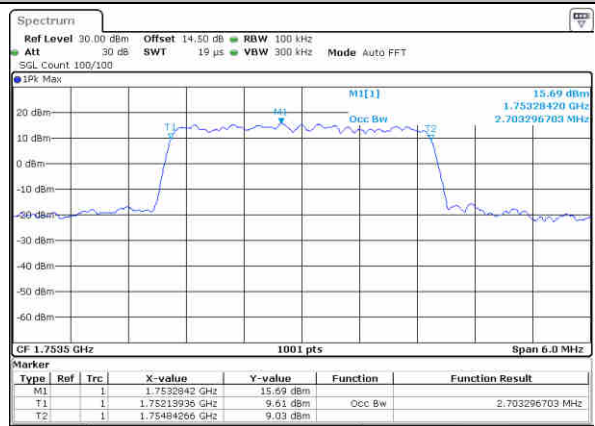
Date: 9-JAN-2020 07:41:02

Highest Channel / 3MHz / QPSK



Date: 9-JAN-2020 07:42:58

Highest Channel / 3MHz / 16QAM

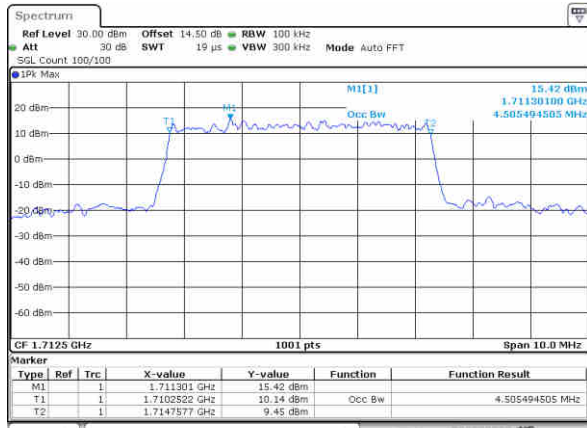


Date: 9-JAN-2020 07:43:00



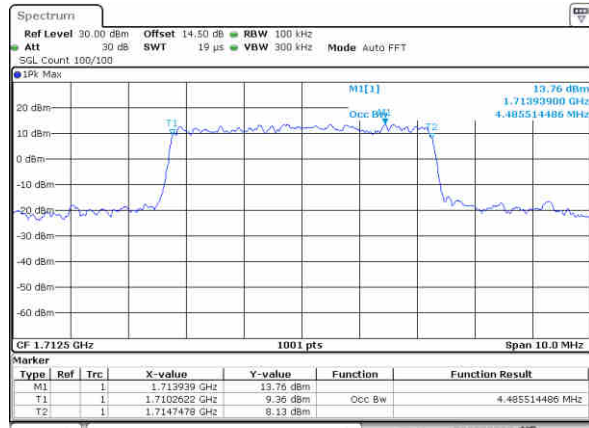
LTE Band 4

Lowest Channel / 5MHz / QPSK



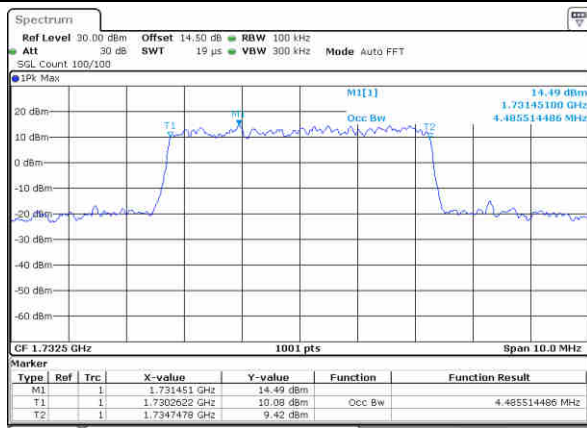
Date: 9-JAN-2020 07:14:04

Lowest Channel / 5MHz / 16QAM



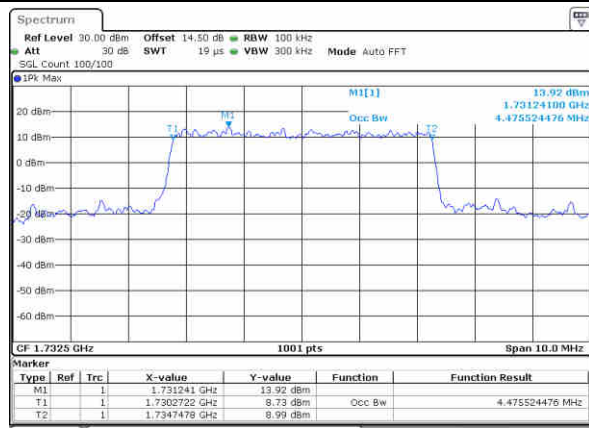
Date: 9-JAN-2020 07:14:15

Middle Channel / 5MHz / QPSK



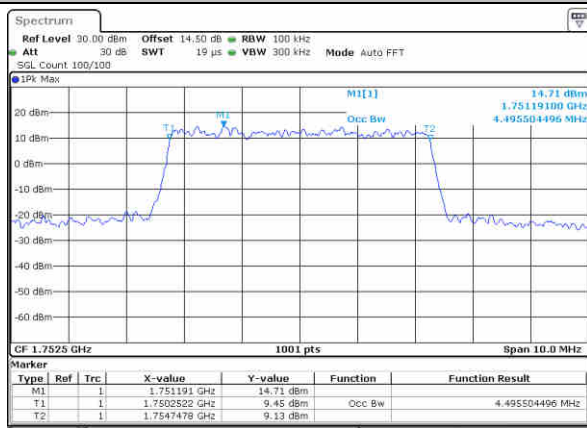
Date: 9-JAN-2020 07:15:11

Middle Channel / 5MHz / 16QAM



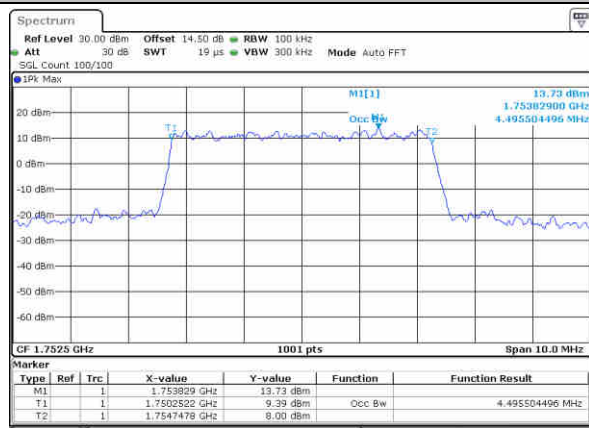
Date: 9-JAN-2020 07:15:22

Highest Channel / 5MHz / QPSK



Date: 9-JAN-2020 07:15:19

Highest Channel / 5MHz / 16QAM

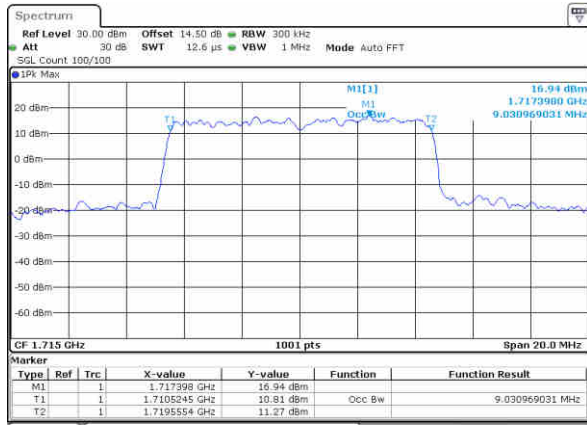


Date: 9-JAN-2020 07:15:10

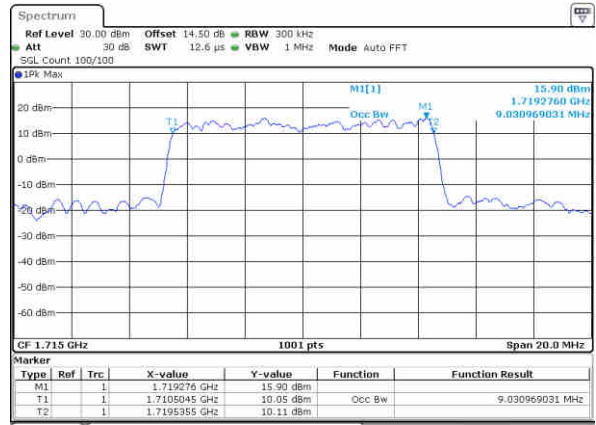


LTE Band 4

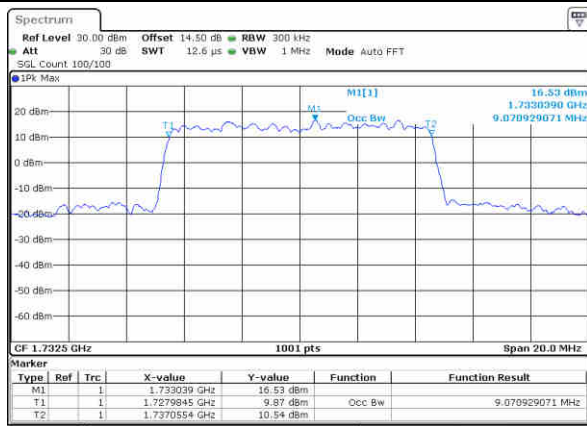
Lowest Channel / 10MHz / QPSK



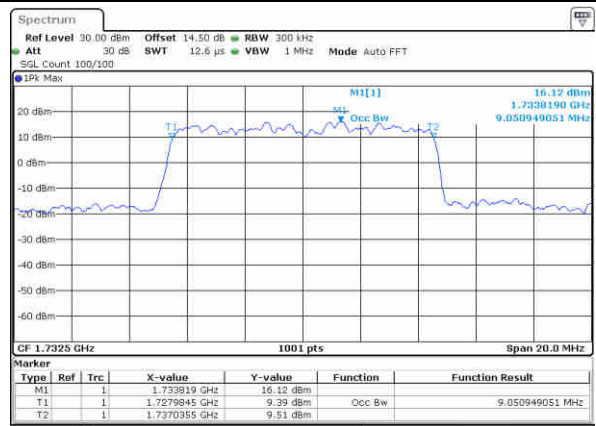
Lowest Channel / 10MHz / 16QAM



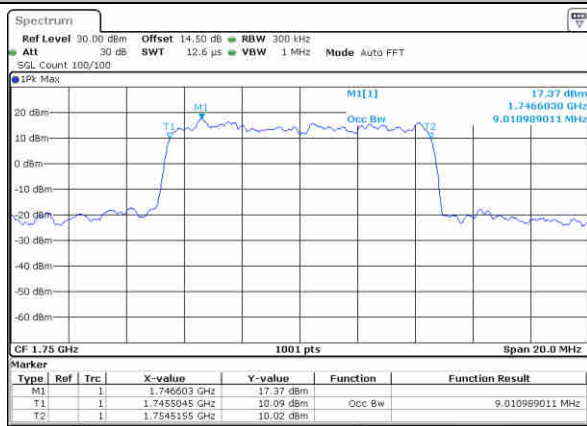
Middle Channel / 10MHz / QPSK



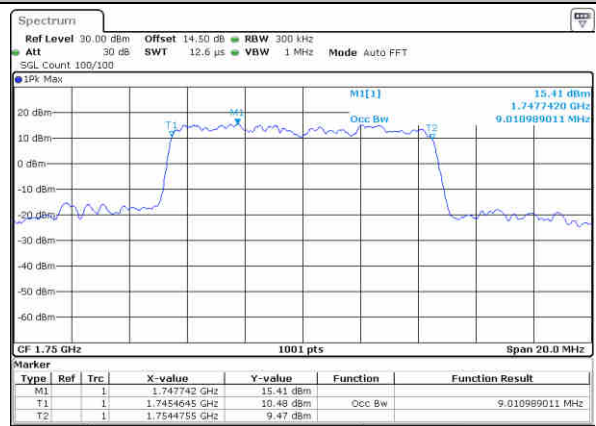
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



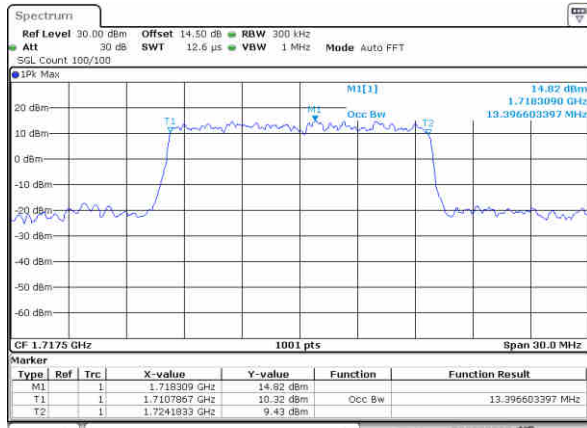
Highest Channel / 10MHz / 16QAM





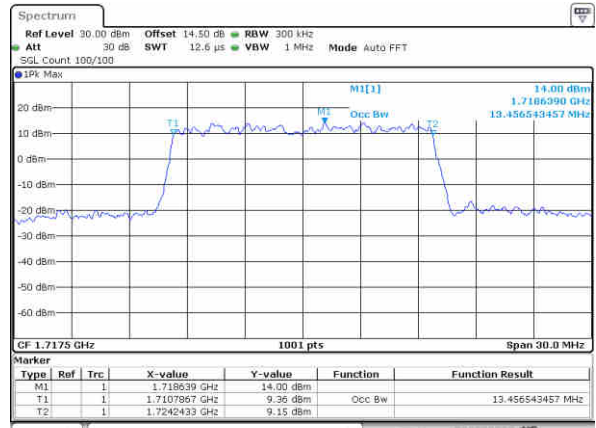
LTE Band 4

Lowest Channel / 15MHz / QPSK



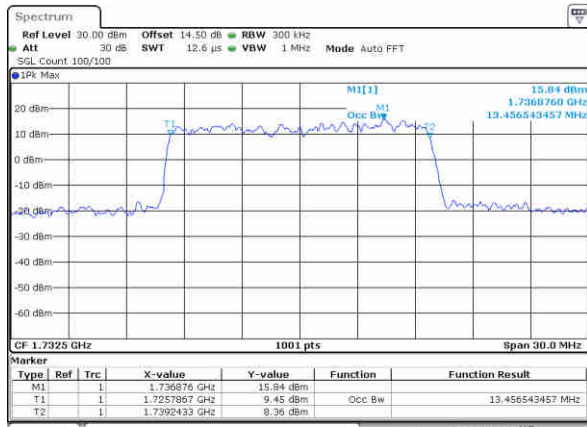
Date: 9, JAN, 2020 08:17:44

Lowest Channel / 15MHz / 16QAM



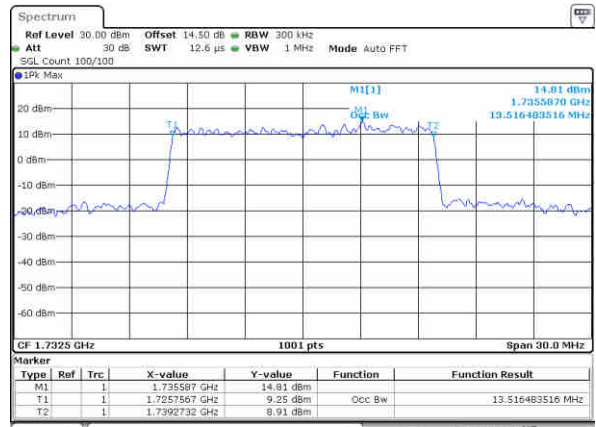
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Middle Channel / 15MHz / QPSK



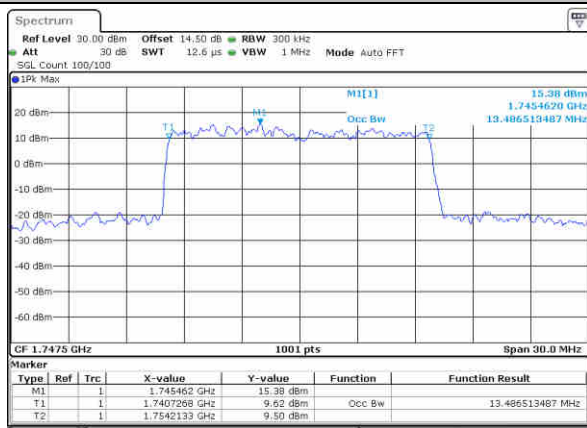
Date: 9, JAN, 2020 08:23:51

Middle Channel / 15MHz / 16QAM



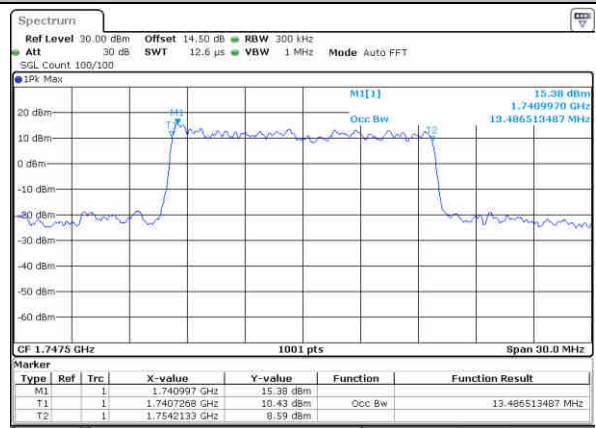
Date: 9, JAN, 2020 08:24:02

Highest Channel / 15MHz / QPSK



Date: 9, JAN, 2020 08:25:58

Highest Channel / 15MHz / 16QAM

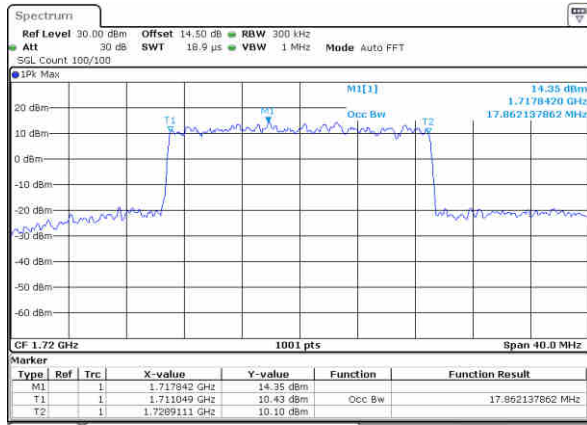


Date: 9, JAN, 2020 08:26:09



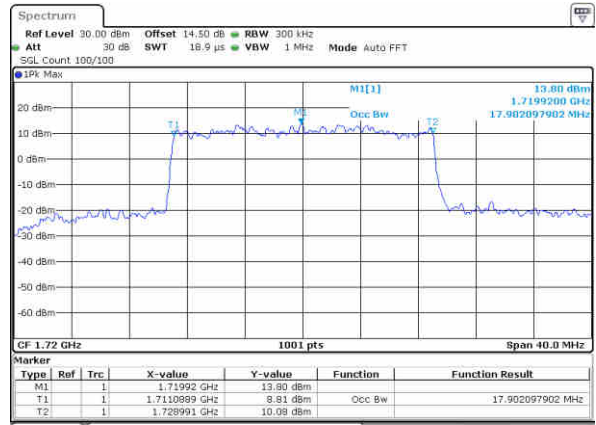
LTE Band 4

Lowest Channel / 20MHz / QPSK



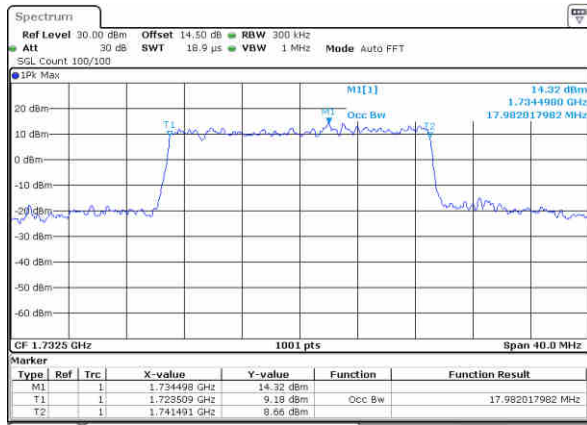
Date: 9, JAN, 2020 08:13:04

Lowest Channel / 20MHz / 16QAM



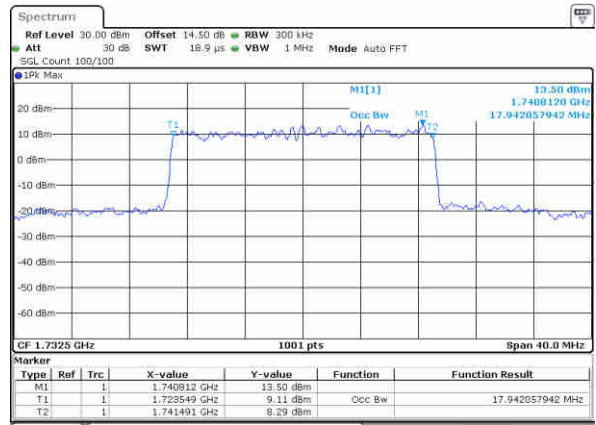
Date: 9, JAN, 2020 08:13:15

Middle Channel / 20MHz / QPSK



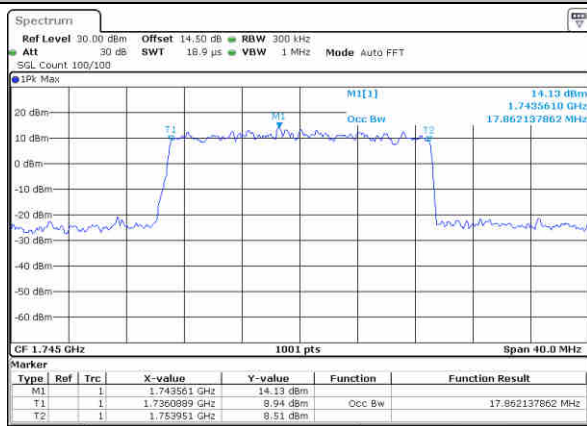
Date: 9, JAN, 2020 08:13:16

Middle Channel / 20MHz / 16QAM



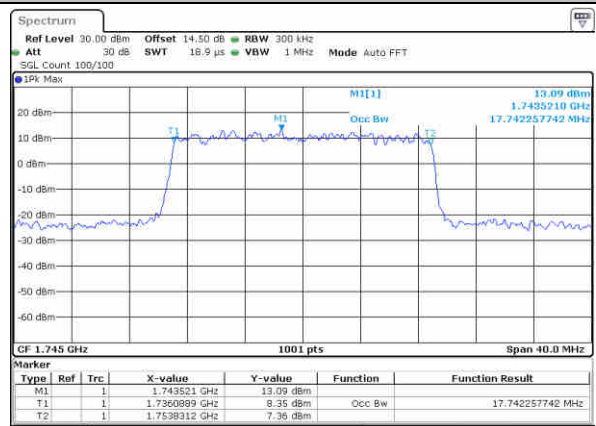
Date: 9, JAN, 2020 08:13:21

Highest Channel / 20MHz / QPSK



Date: 9, JAN, 2020 08:14:017

Highest Channel / 20MHz / 16QAM

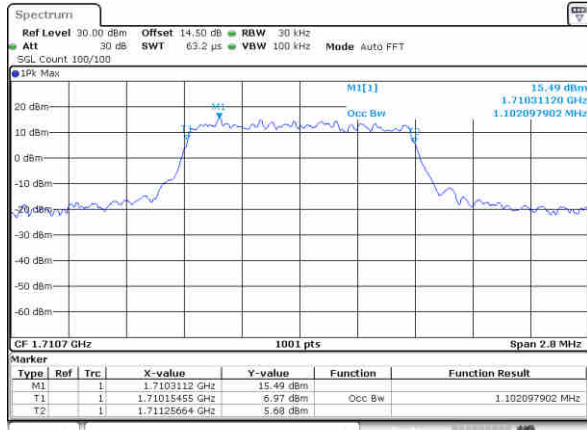


Date: 9, JAN, 2020 08:14:29

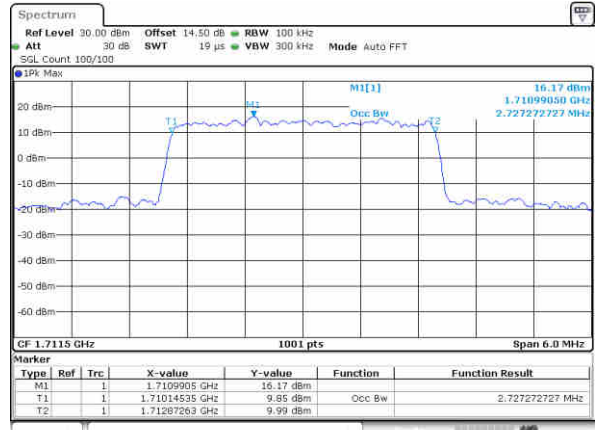


LTE Band 4

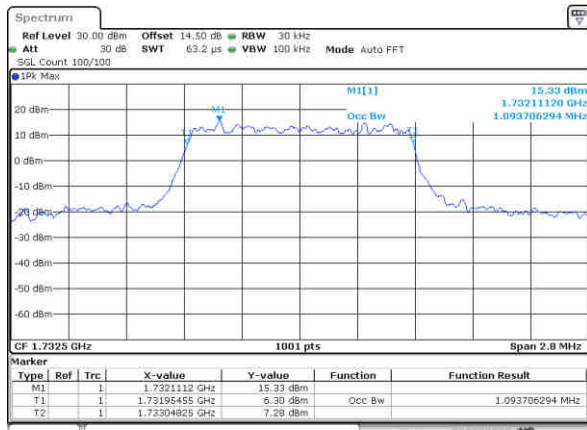
Lowest Channel / 1.4MHz / 64QAM



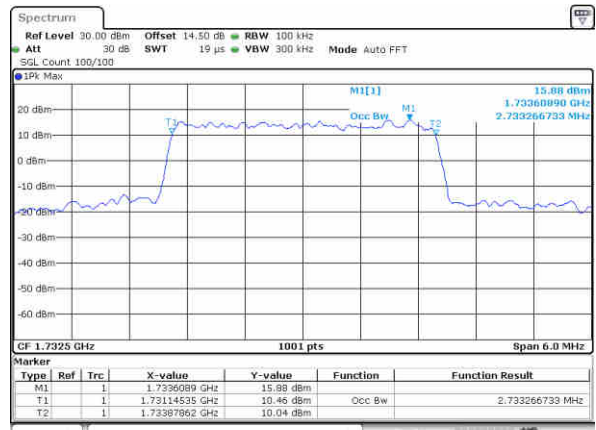
Lowest Channel / 3MHz / 64QAM



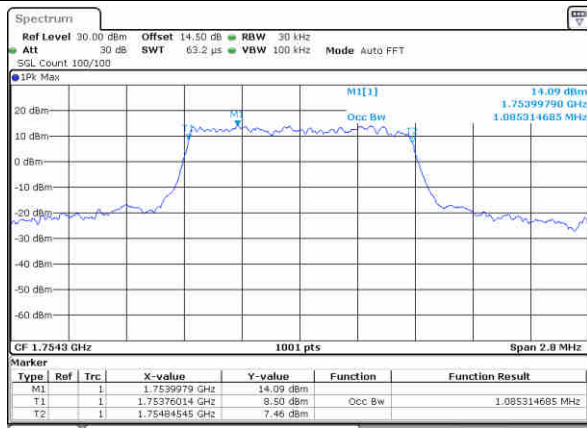
Middle Channel / 1.4MHz / 64QAM



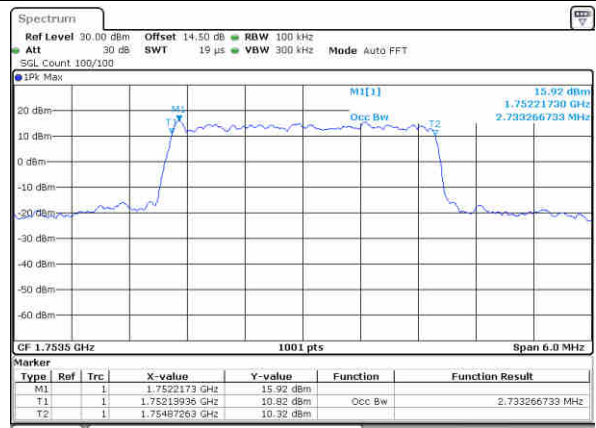
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



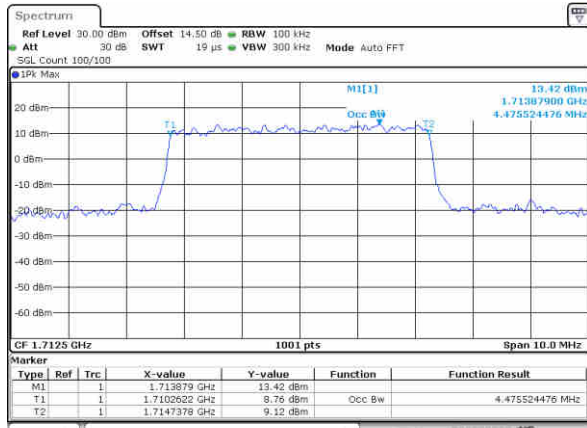
Highest Channel / 3MHz / 64QAM



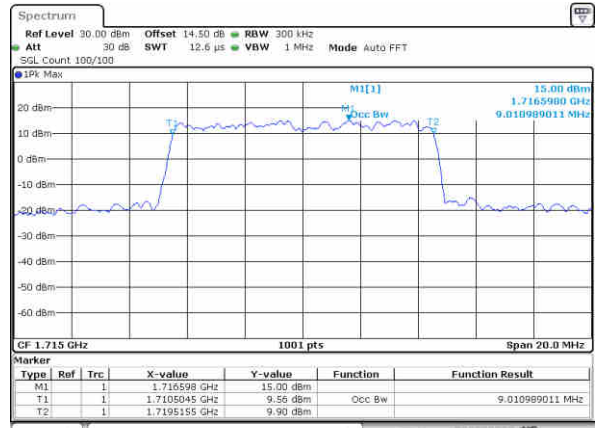


LTE Band 4

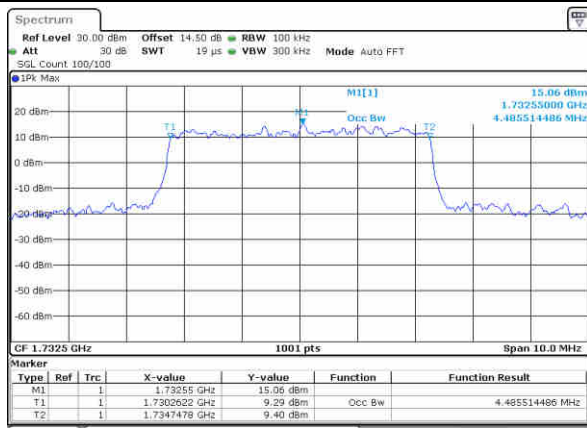
Lowest Channel / 5MHz / 64QAM



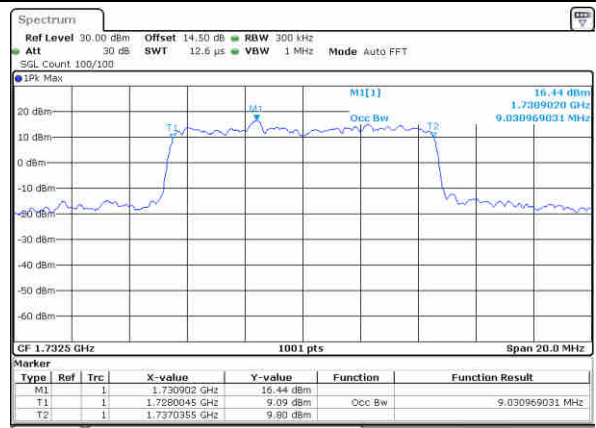
Lowest Channel / 10MHz / 64QAM



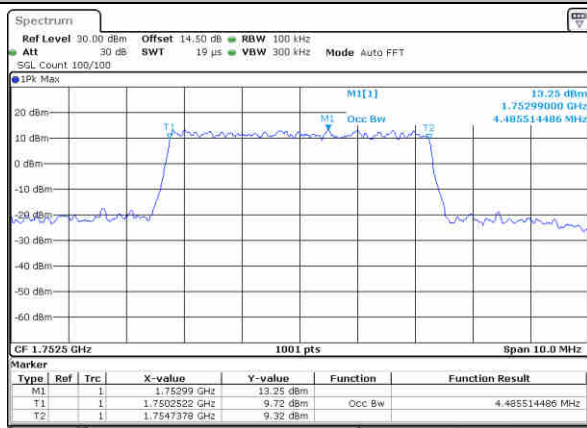
Middle Channel / 5MHz / 64QAM



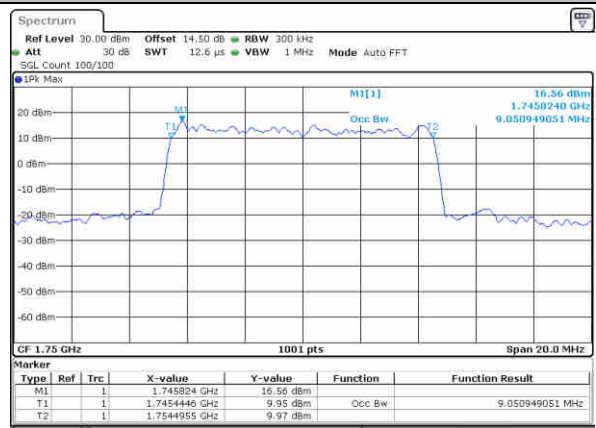
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



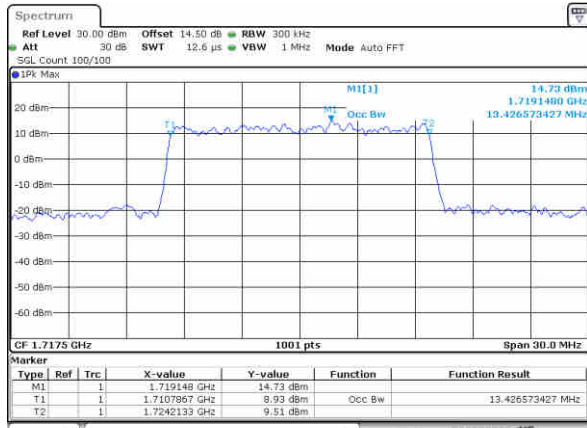
Highest Channel / 10MHz / 64QAM



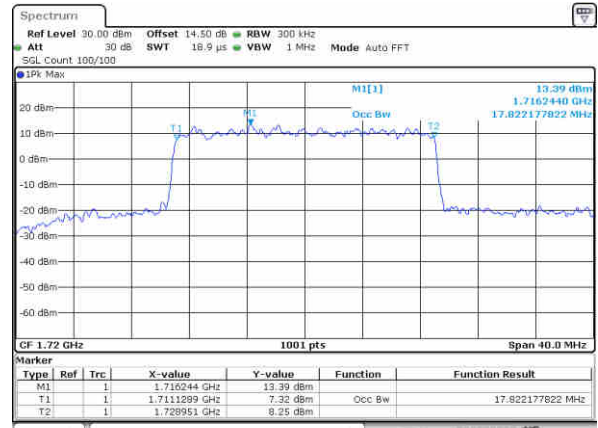


LTE Band 4

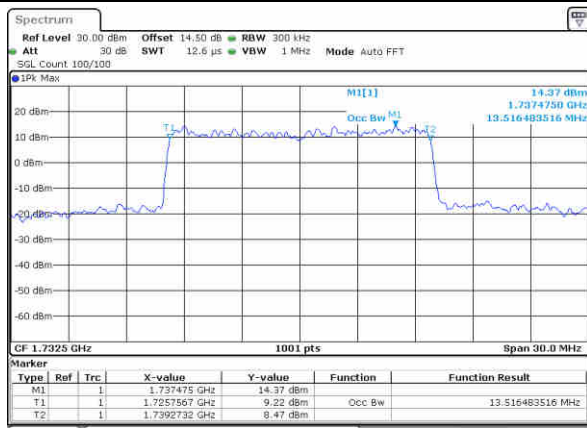
Lowest Channel / 15MHz / 64QAM



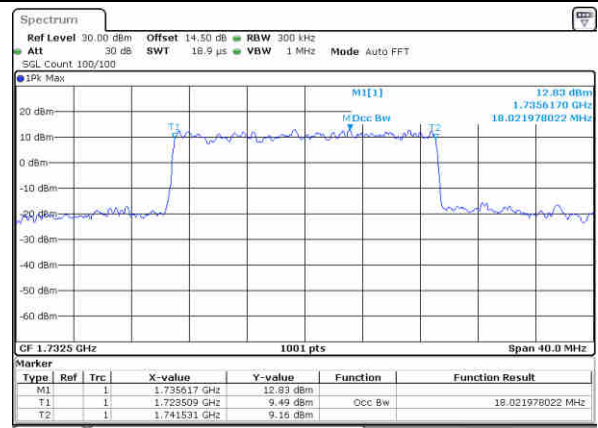
Lowest Channel / 20MHz / 64QAM



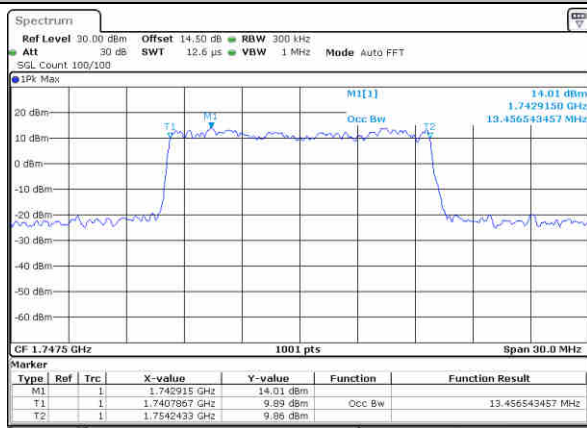
Middle Channel / 15MHz / 64QAM



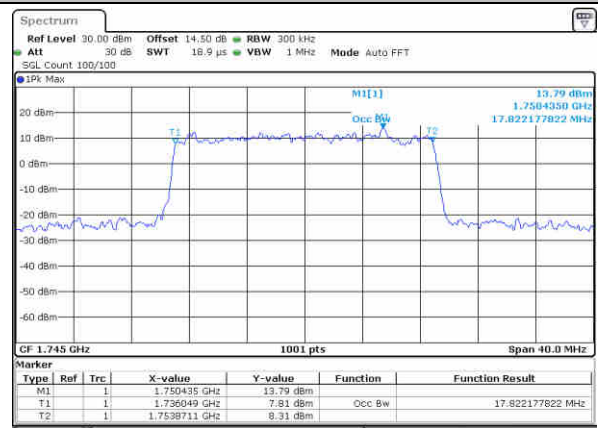
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM



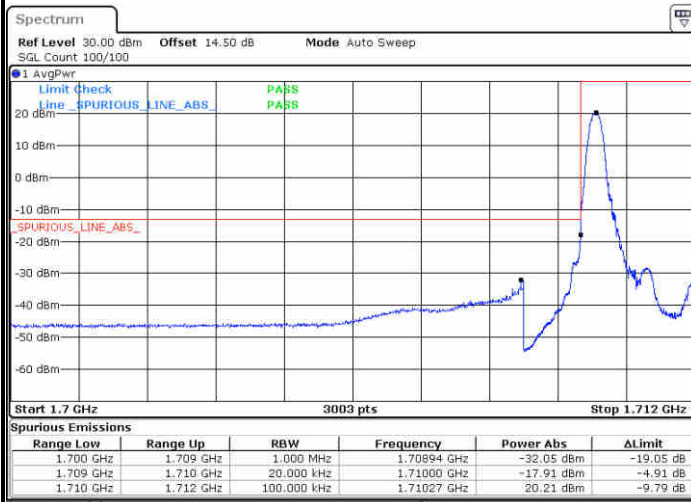


Conducted Band Edge

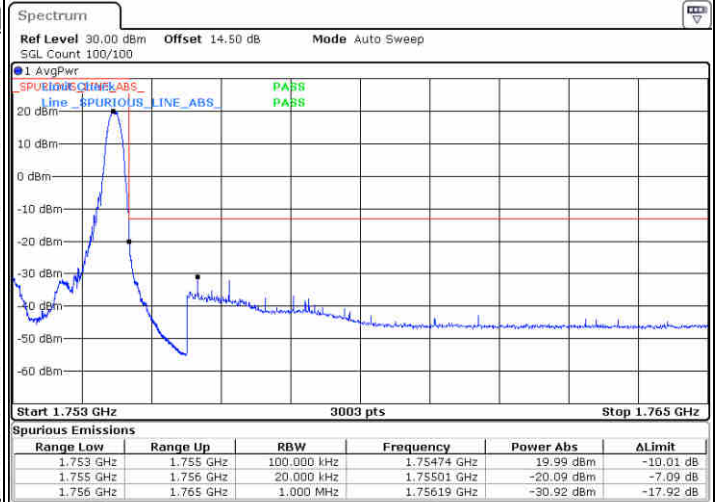


LTE Band 4 / 1.4MHz / QPSK

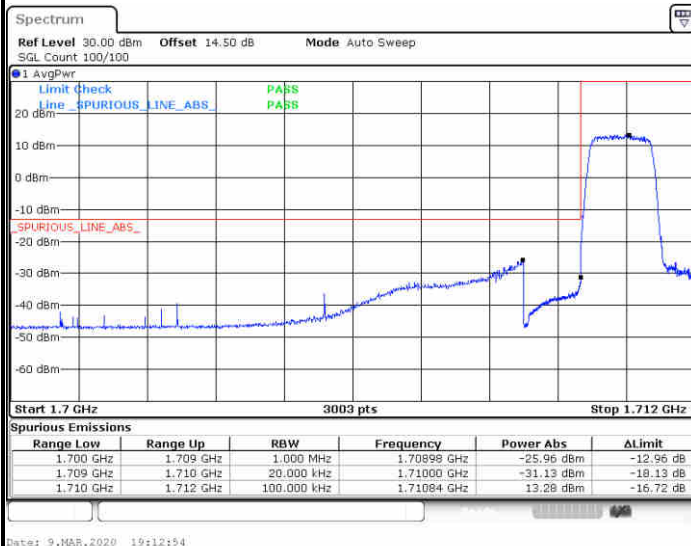
Lowest Band Edge / 1RB



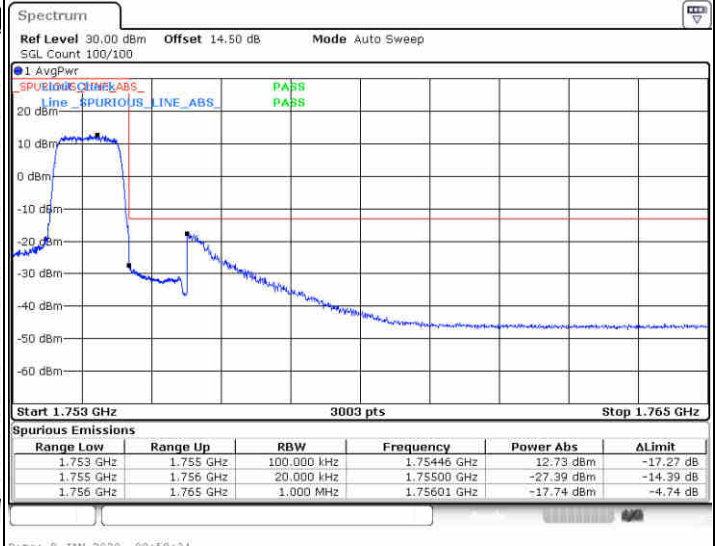
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



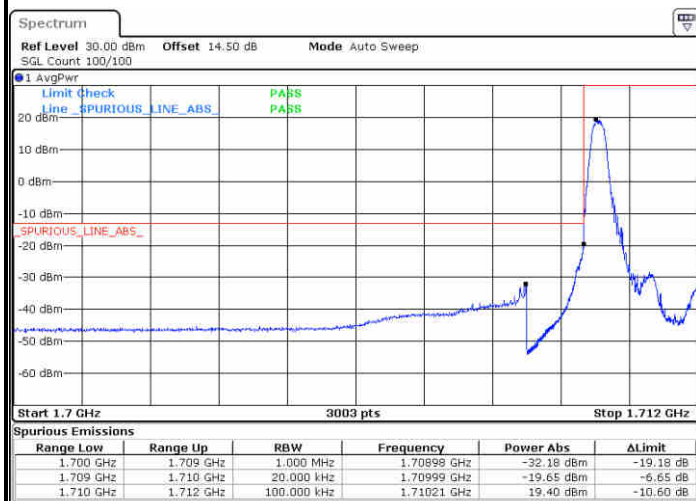
Highest Band Edge / Full RB



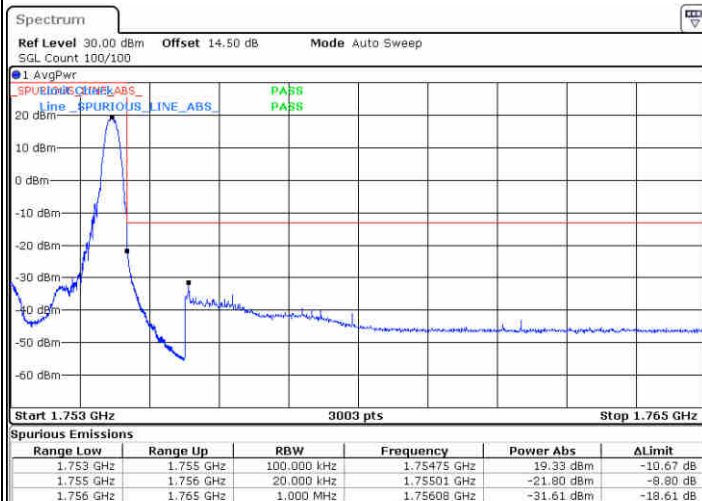


LTE Band 4 / 1.4MHz / 16QAM

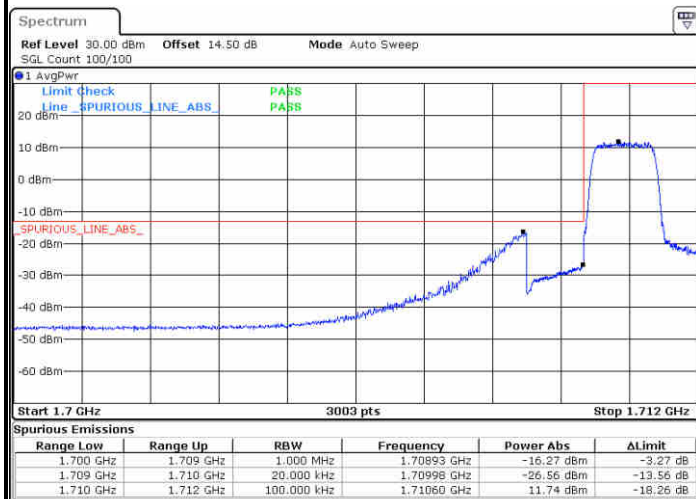
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



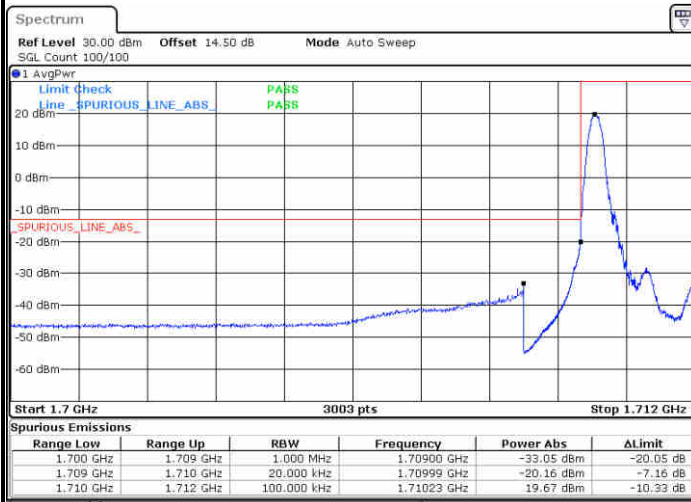
Highest Band Edge / Full RB





LTE Band 4 / 1.4MHz / 64QAM

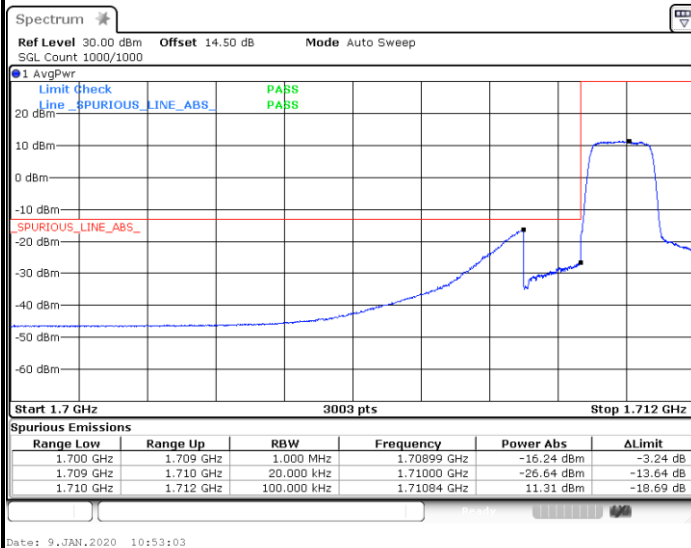
Lowest Band Edge / 1 RB



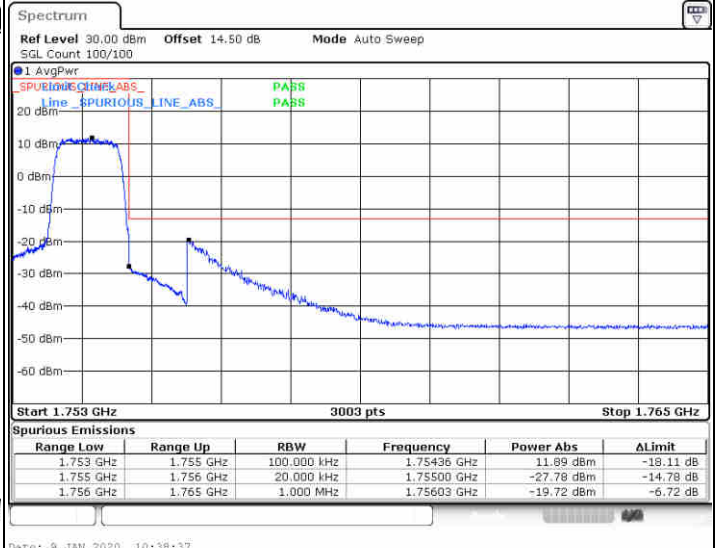
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



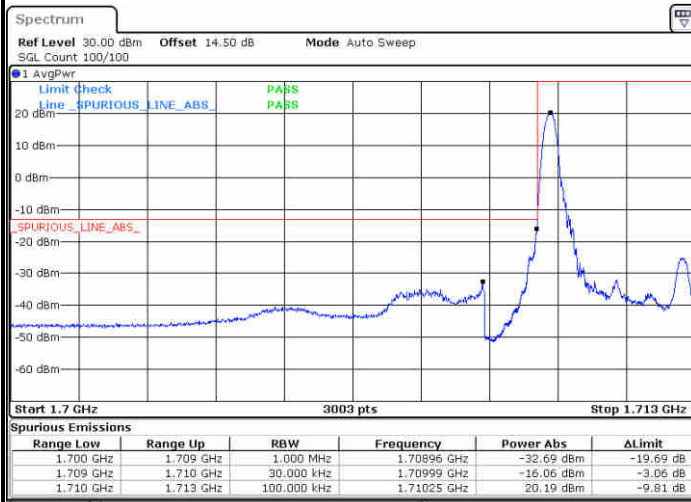
Highest Band Edge / Full RB



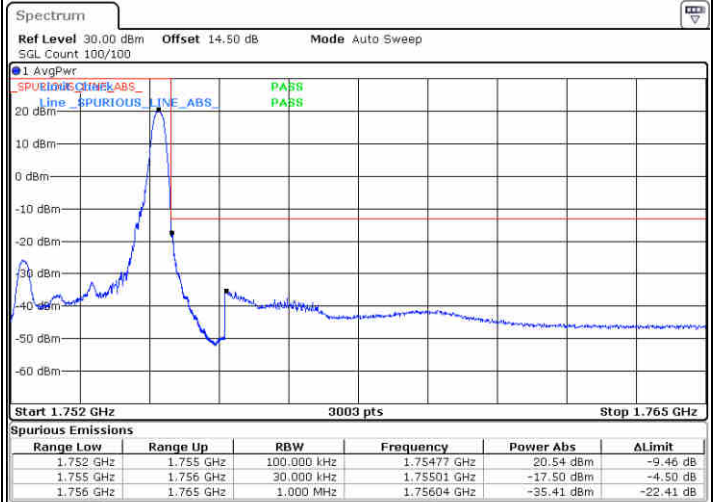


LTE Band 4 / 3MHz / QPSK

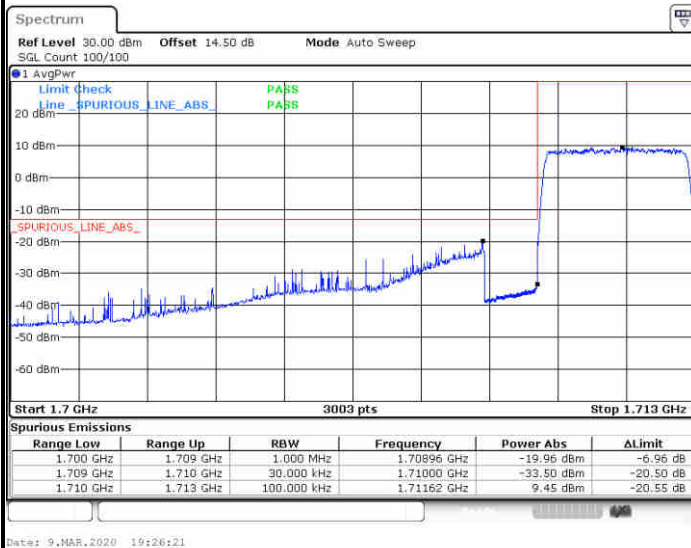
Lowest Band Edge / 1RB



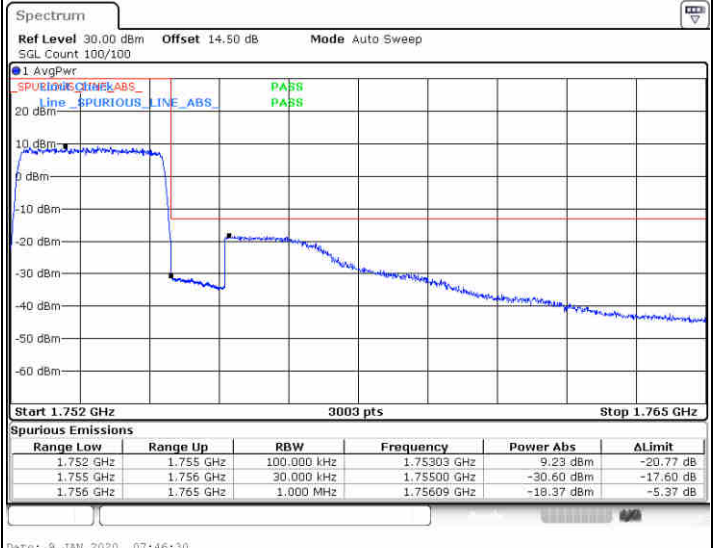
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



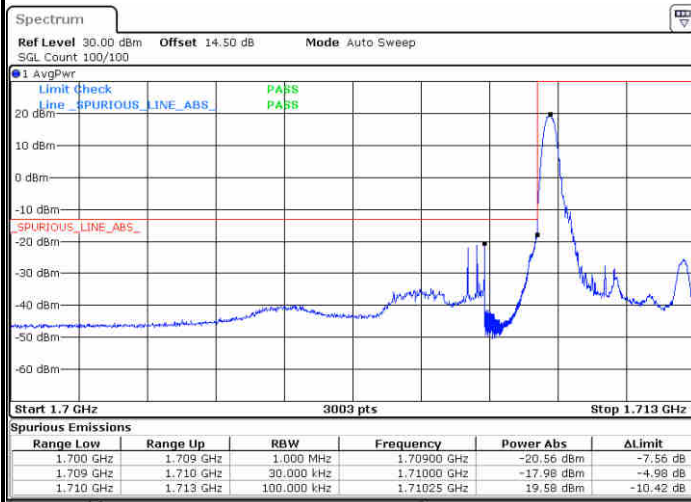
Highest Band Edge / Full RB



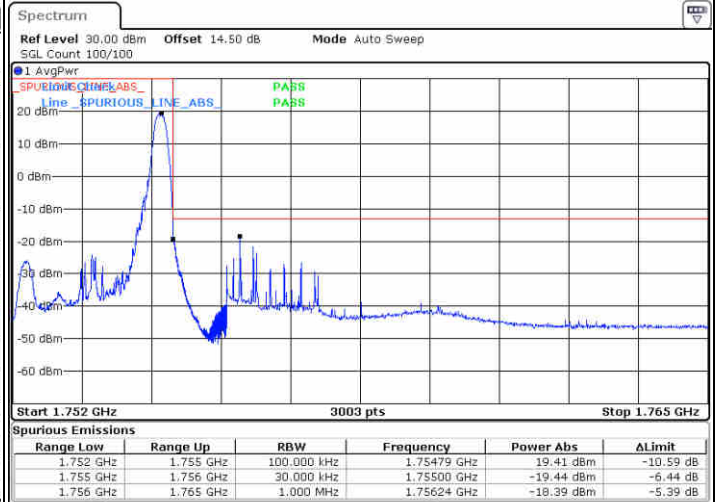


LTE Band 4 / 3MHz / 16QAM

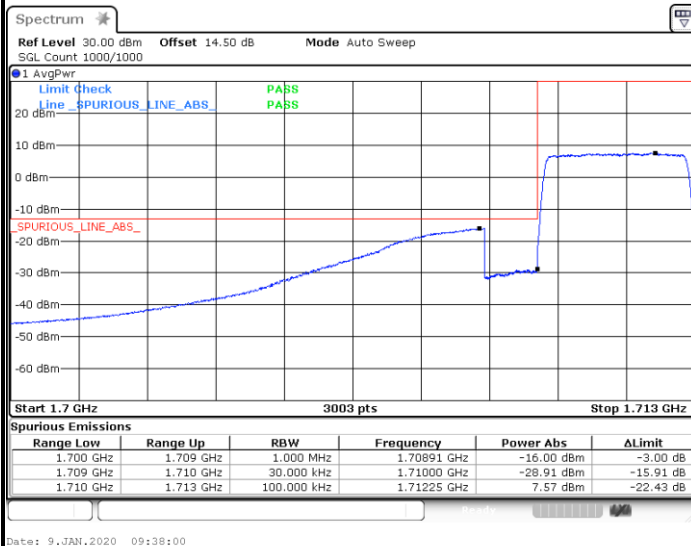
Lowest Band Edge / 1 RB



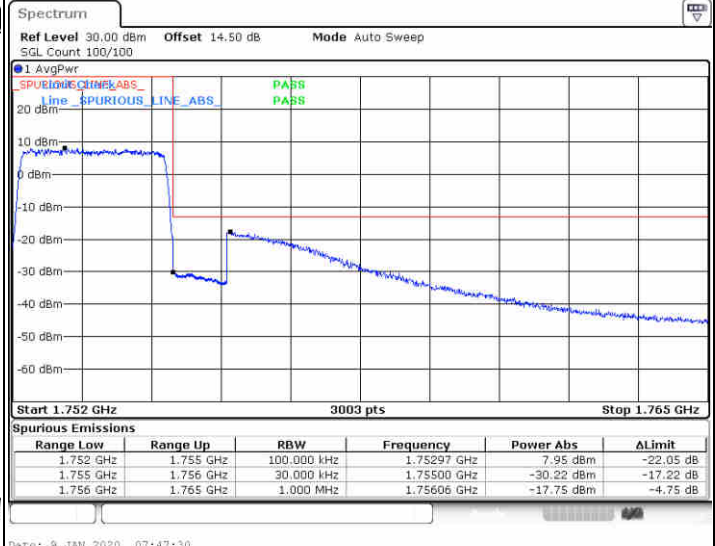
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



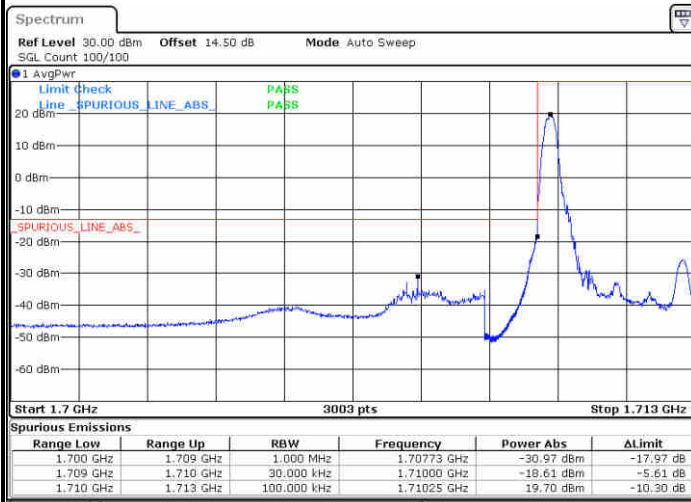
Highest Band Edge / Full RB



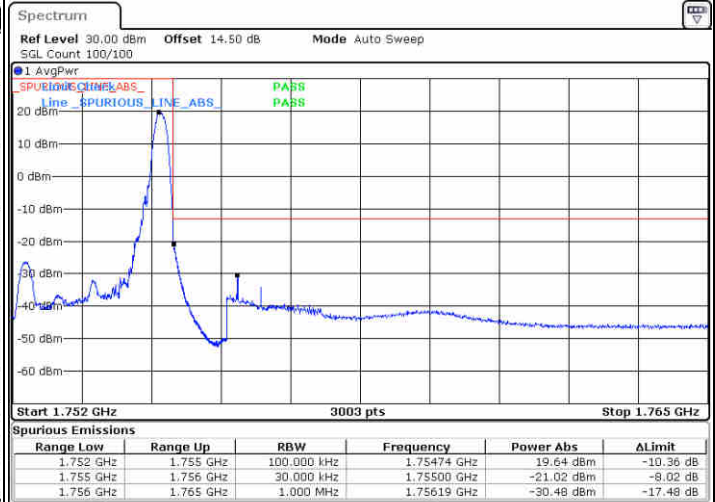


LTE Band 4 / 3MHz / 64QAM

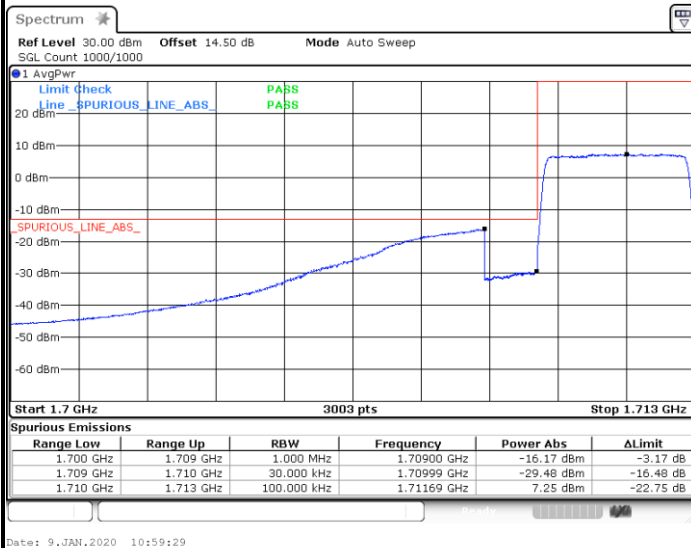
Lowest Band Edge / 1 RB



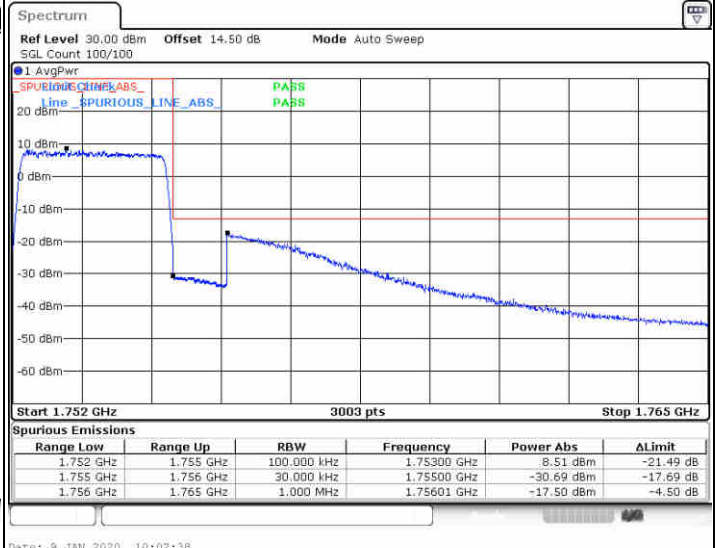
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



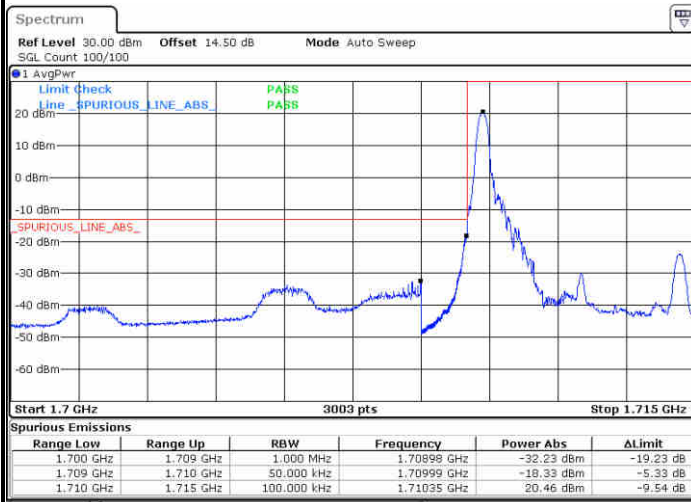
Highest Band Edge / Full RB





LTE Band 4 / 5MHz / QPSK

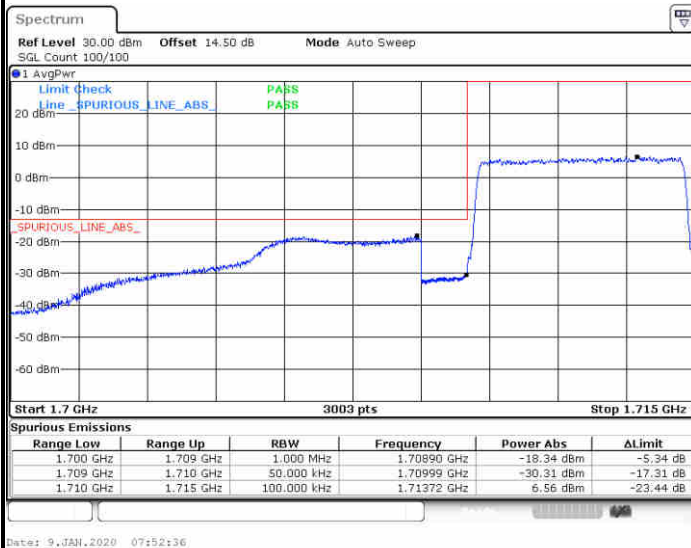
Lowest Band Edge / 1 RB



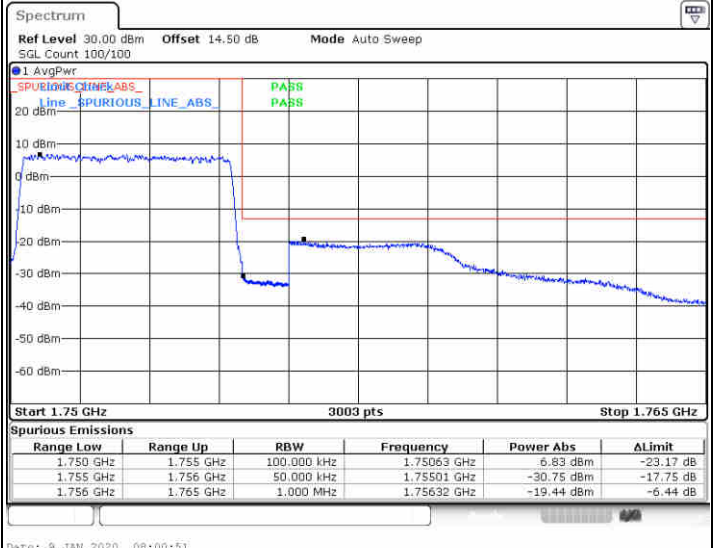
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



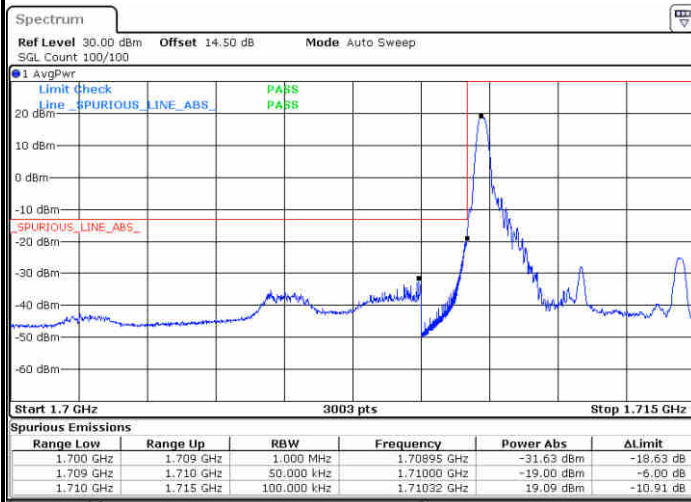
Highest Band Edge / Full RB



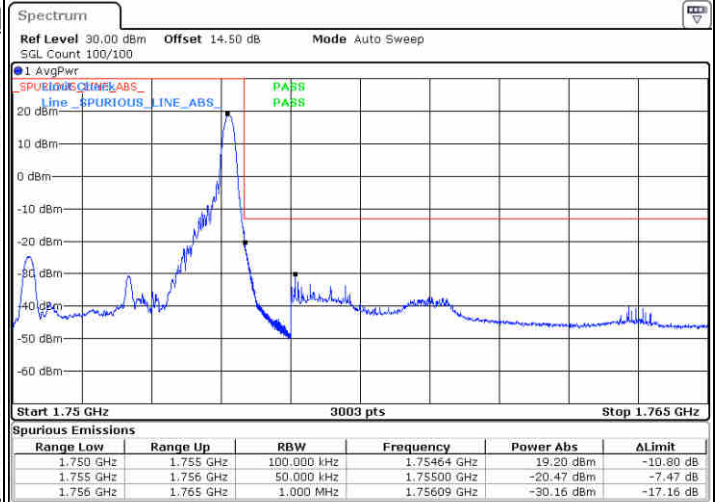


LTE Band 4 / 5MHz / 16QAM

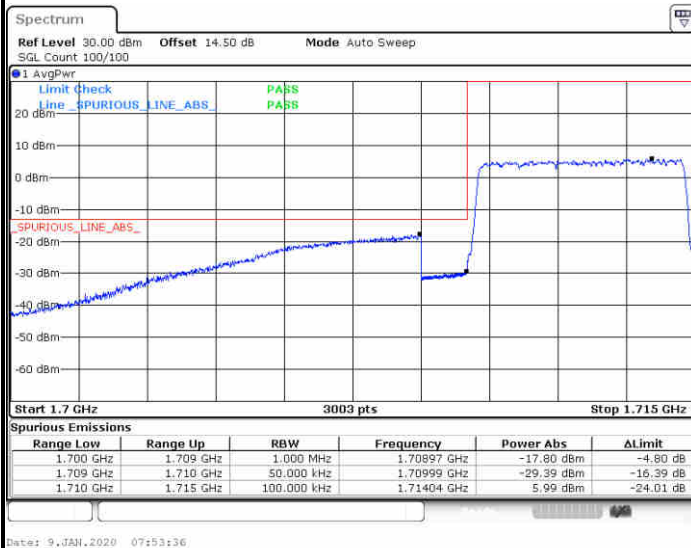
Lowest Band Edge / 1RB



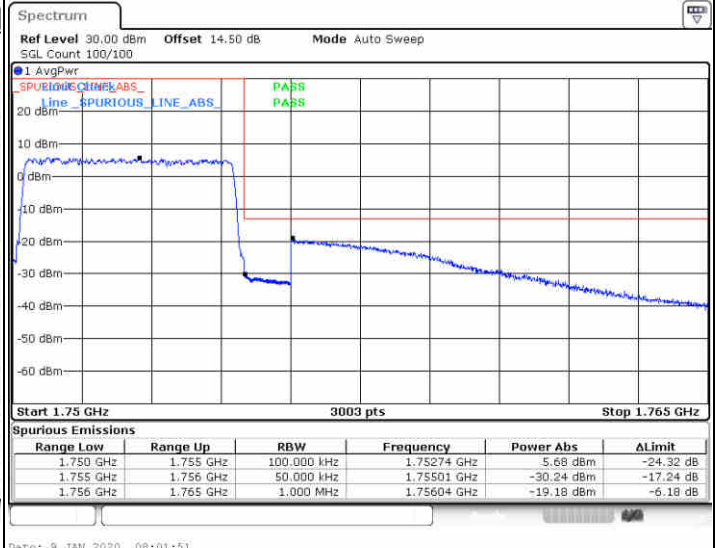
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



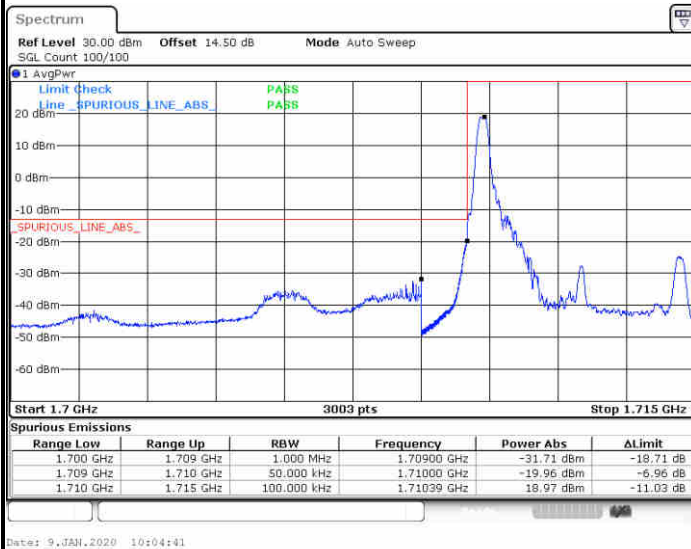
Highest Band Edge / Full RB



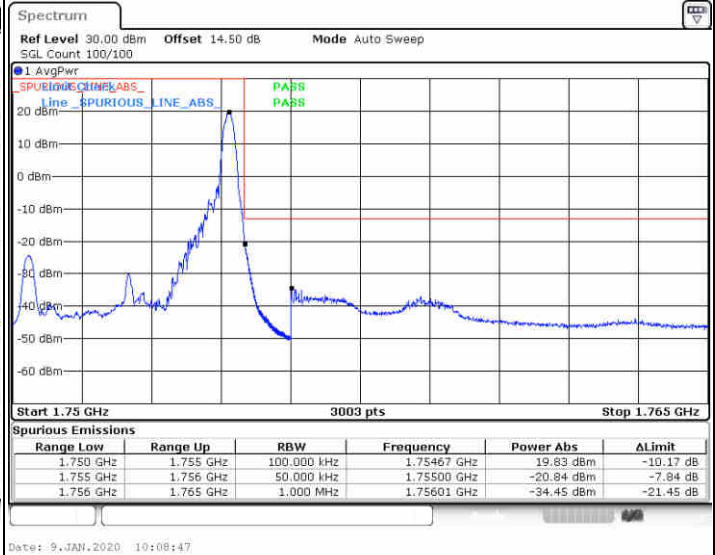


LTE Band 4 / 5MHz / 64QAM

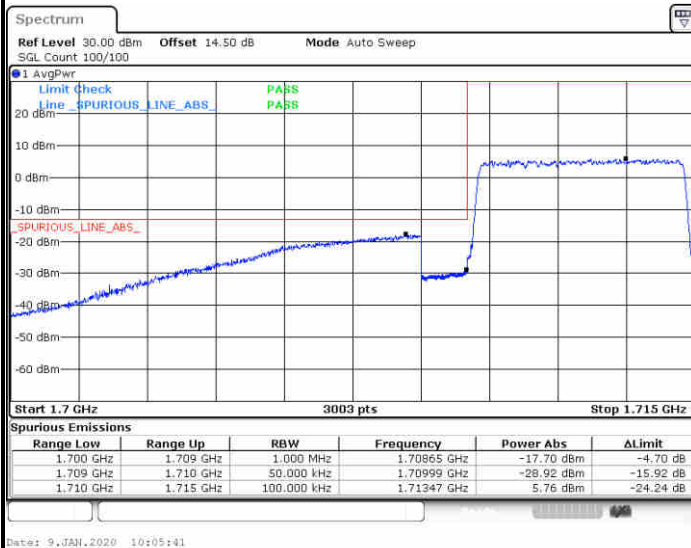
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

