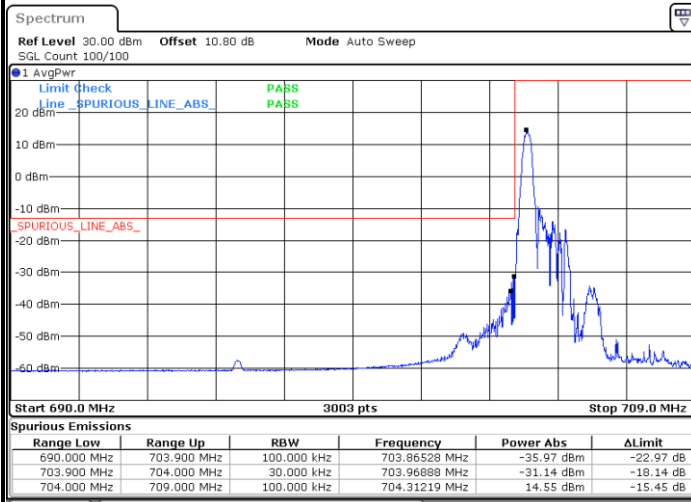




LTE Band 17 / 5MHz / 16QAM

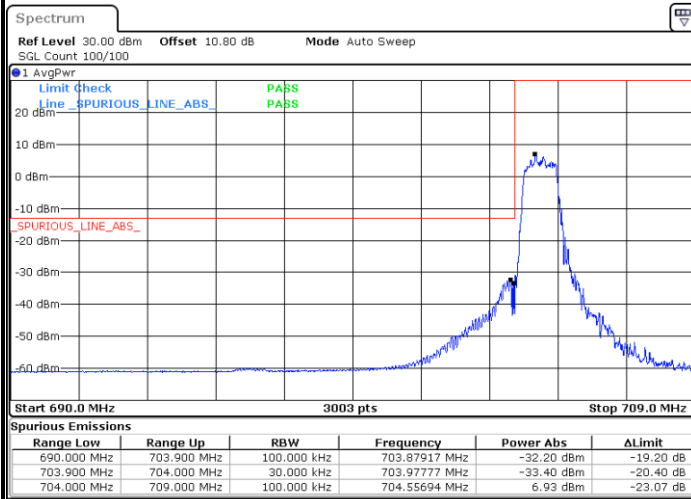
Lowest Band Edge / 1 RB



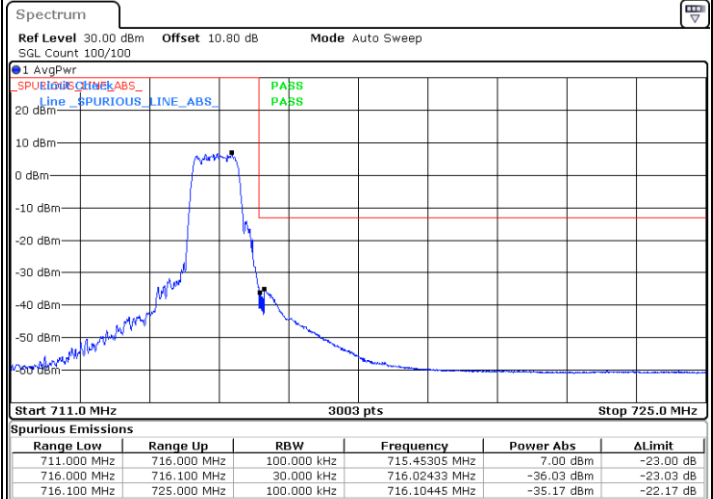
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



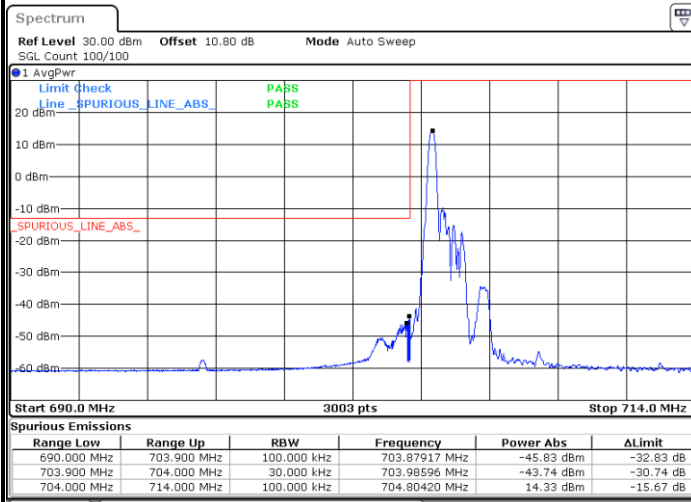
Highest Band Edge / Full RB





LTE Band 17 / 10MHz / QPSK

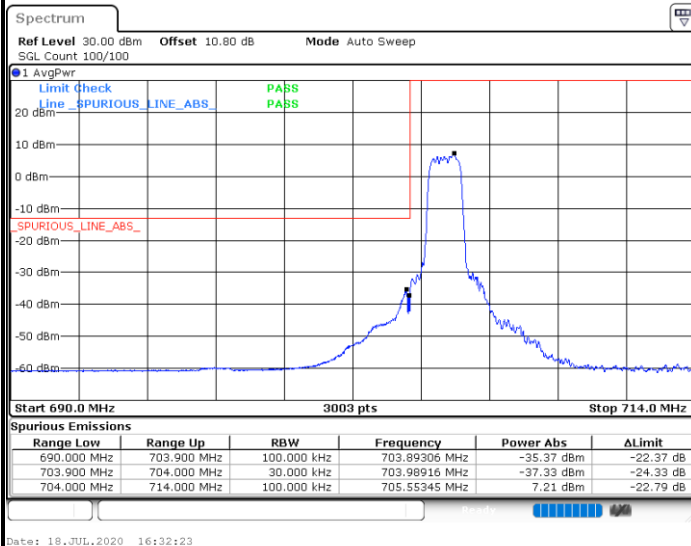
Lowest Band Edge / 1 RB



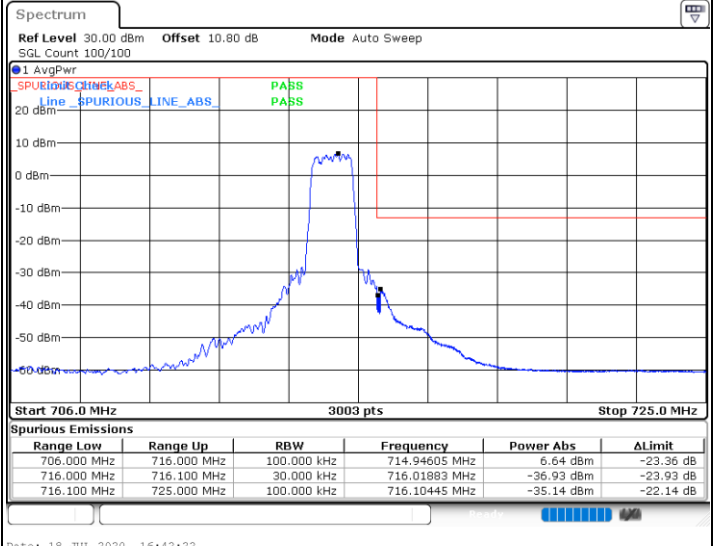
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



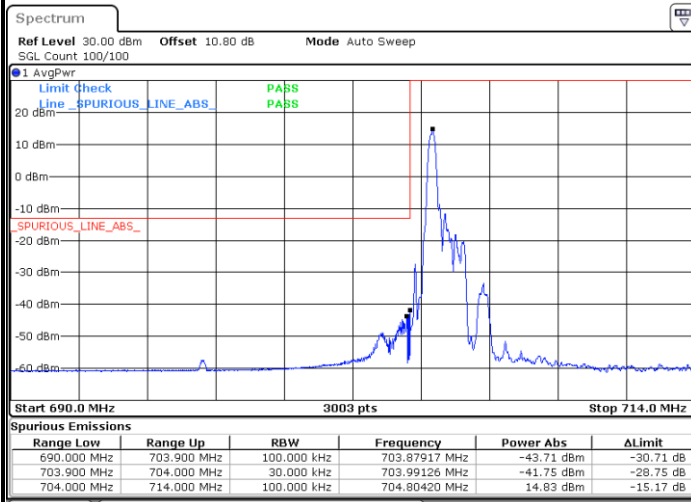
Highest Band Edge / Full RB





LTE Band 17 / 10MHz / 16QAM

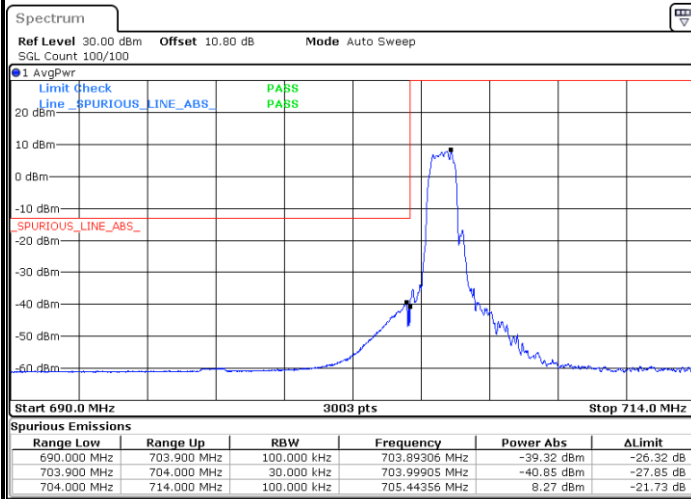
Lowest Band Edge / 1 RB



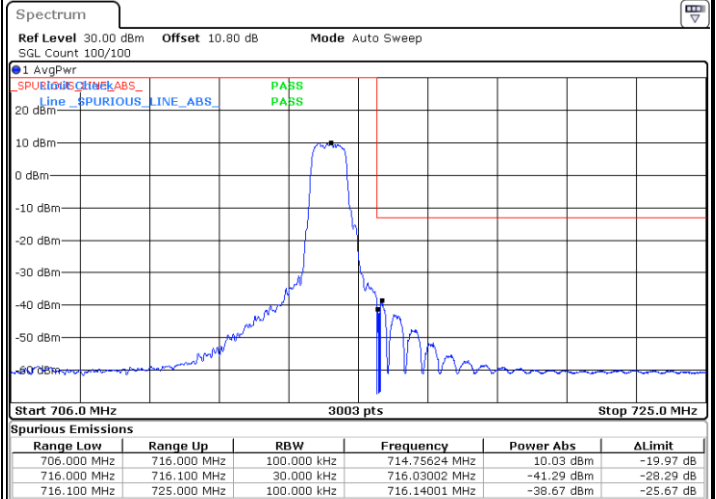
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

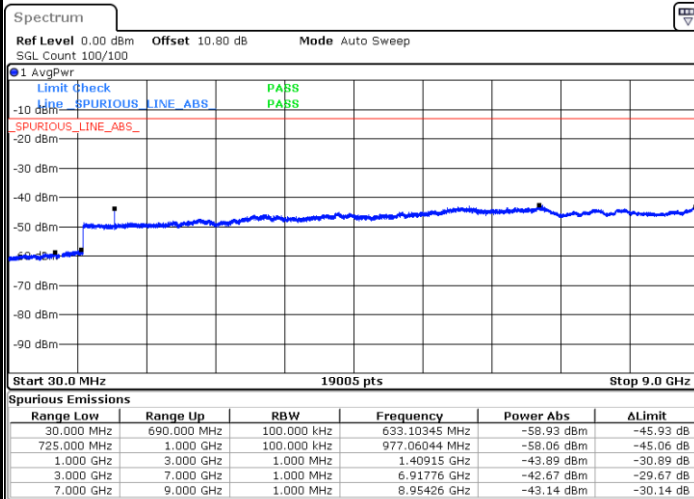




Conducted Spurious Emission

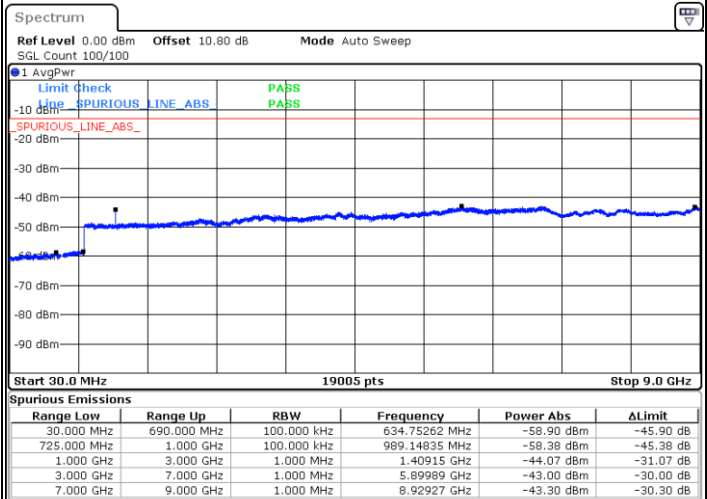
LTE Band 17 / 5MHz

Lowest Channel / QPSK



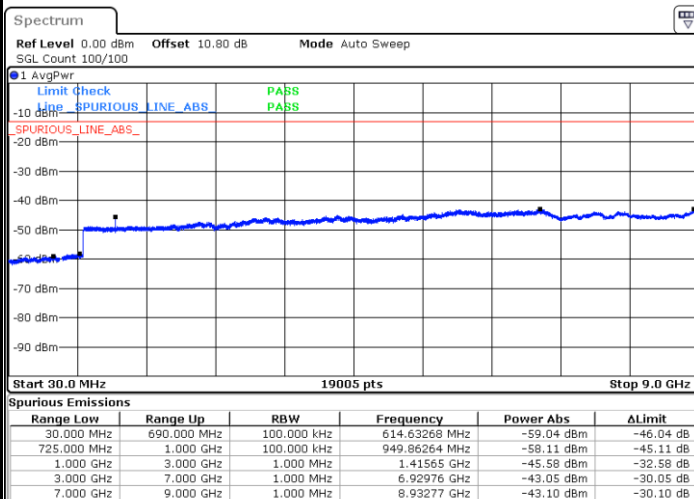
Date: 18.JUL.2020 16:17:27

Lowest Channel / 16QAM



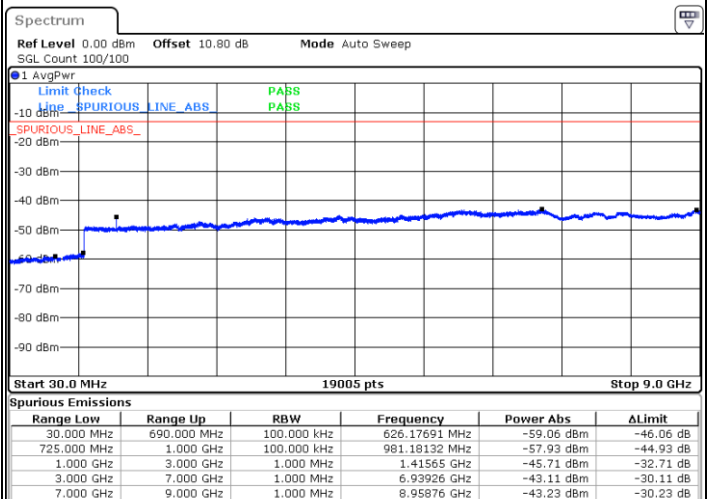
Date: 18.JUL.2020 16:18:53

Middle Channel / QPSK



Date: 18.JUL.2020 16:07:57

Middle Channel / 16QAM

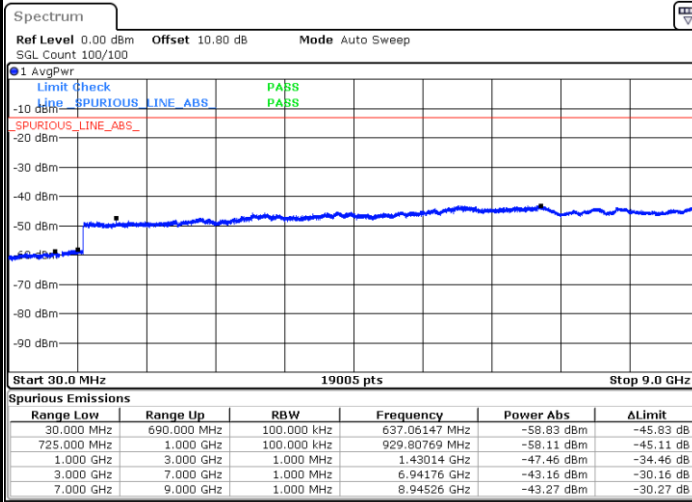


Date: 18.JUL.2020 16:08:39



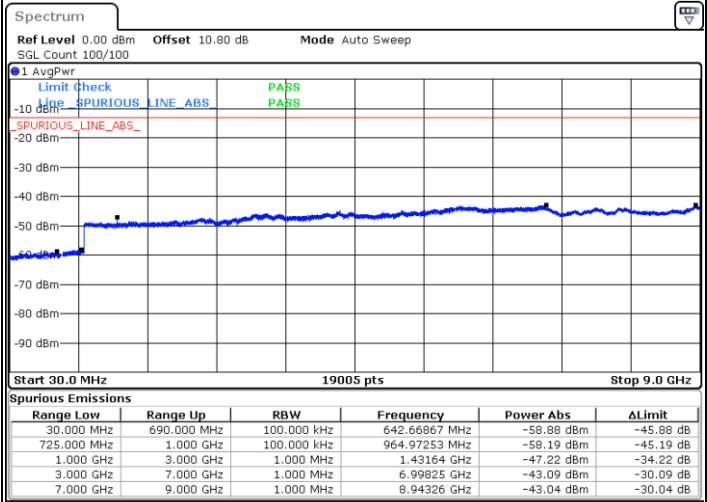
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 18.JUL.2020 16:21:36

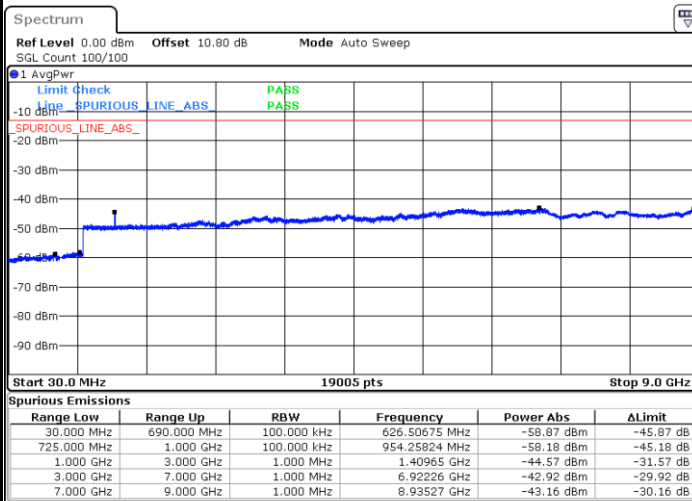
Highest Channel / 16QAM



Date: 18.JUL.2020 16:23:39

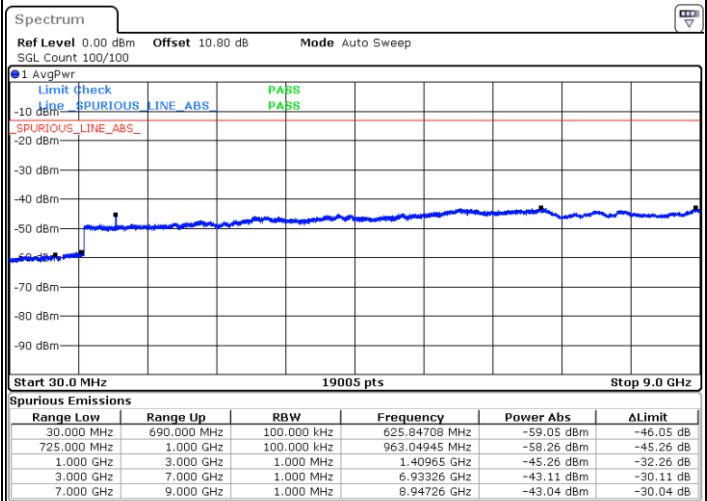
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 18.JUL.2020 16:33:57

Lowest Channel / 16QAM

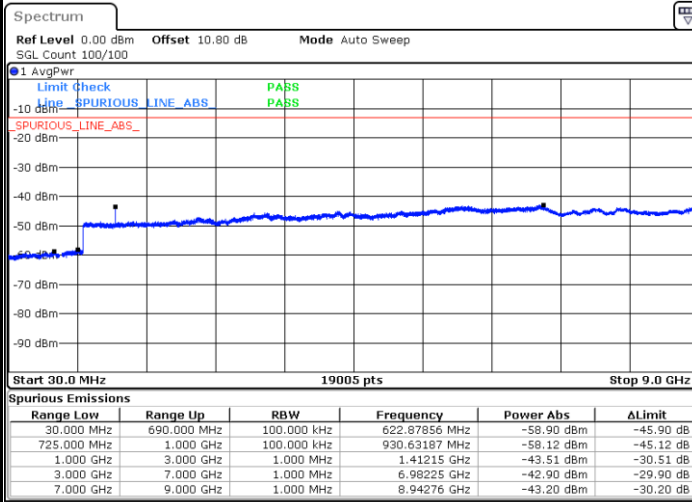


Date: 18.JUL.2020 16:35:37



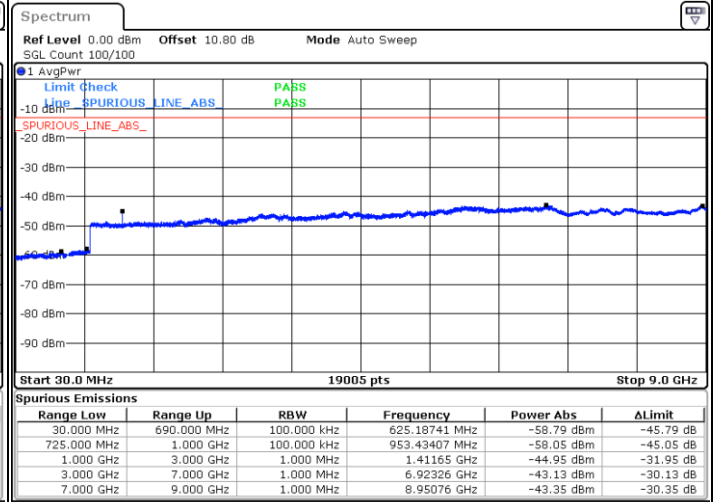
LTE Band 17 / 10MHz

Middle Channel / QPSK



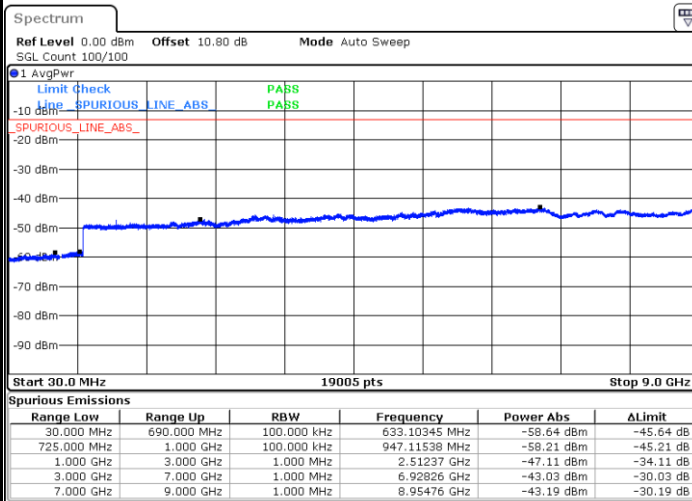
Date: 18.JUL.2020 16:26:52

Middle Channel / 16QAM



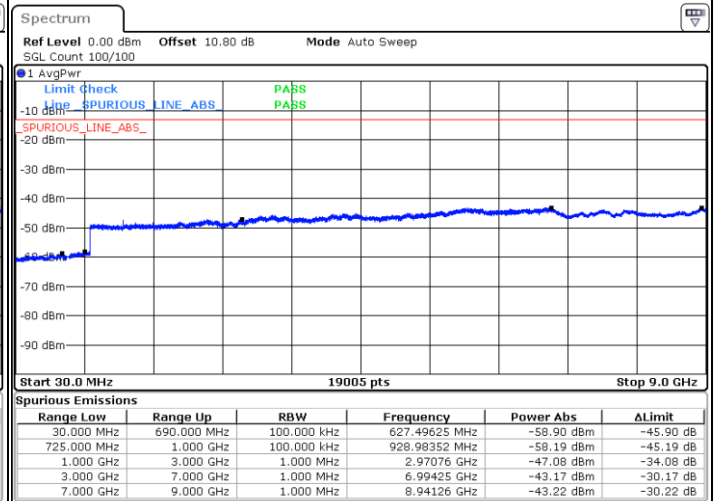
Date: 18.JUL.2020 16:27:45

Highest Channel / QPSK



Date: 18.JUL.2020 16:43:14

Highest Channel / 16QAM



Date: 18.JUL.2020 16:45:29

Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0258	PASS
40	Normal Voltage	0.0239	
30	Normal Voltage	0.0246	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0189	
0	Normal Voltage	0.0252	
-10	Normal Voltage	0.0289	
-20	Normal Voltage	0.0185	
-30	Normal Voltage	0.0032	
20	Maximum Voltage	0.0224	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =3.6 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =3.7 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 25

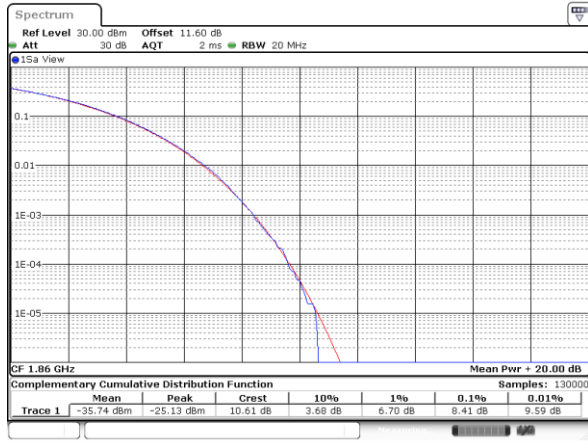
Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	8.41	5.39	8.46	8.43	PASS
Middle CH	7.22	8.46	5.10	5.83	
Highest CH	7.16	8.35	8.43	4.78	

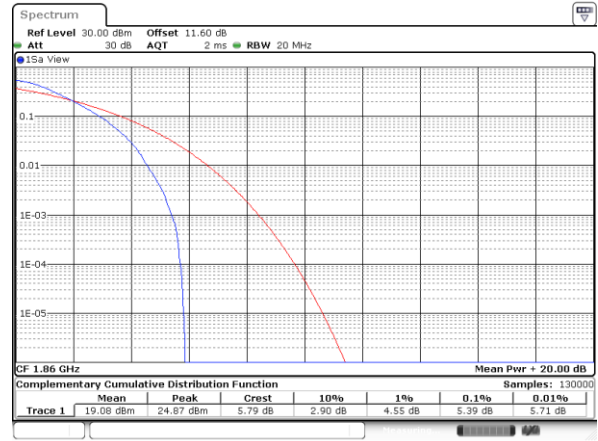


LTE Band 25 / 20MHz / QPSK

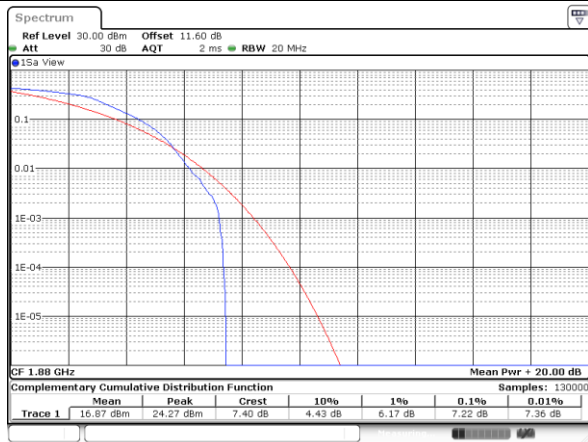
Lowest Channel / 1RB



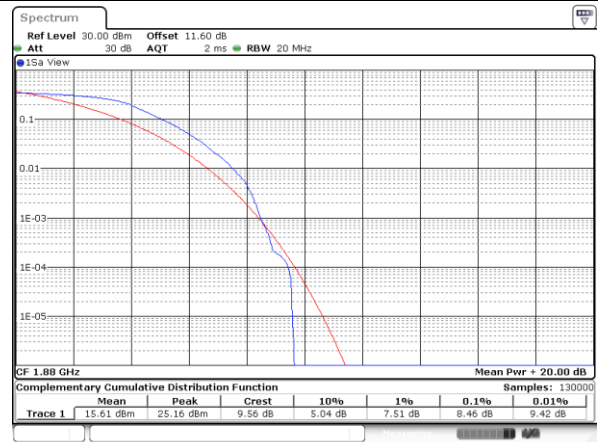
Lowest Channel / Full RB



Middle Channel / 1RB



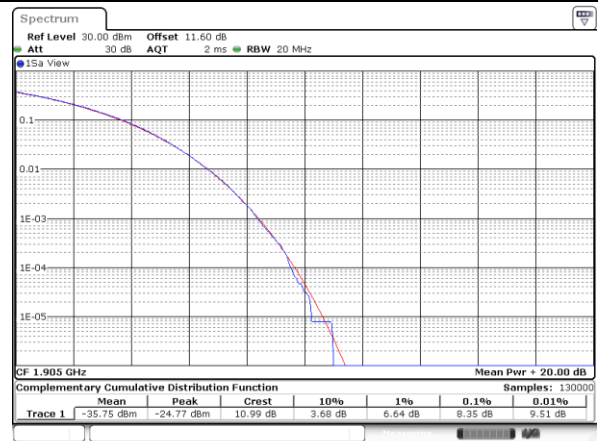
Middle Channel / Full RB



Highest Channel / 1RB



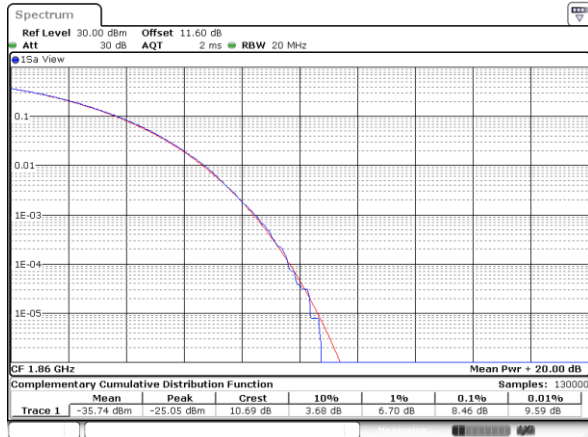
Highest Channel / Full RB



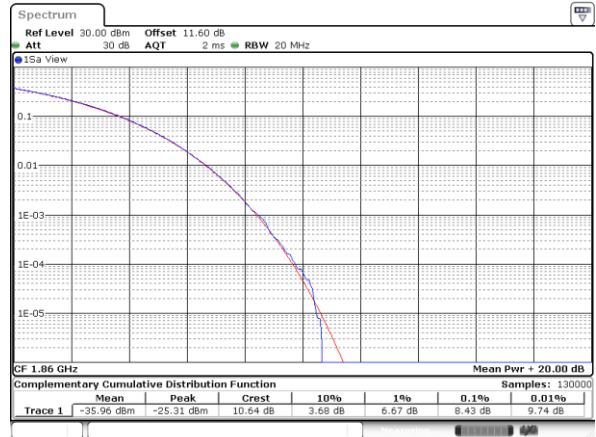


LTE Band 25 / 20MHz / 16QAM

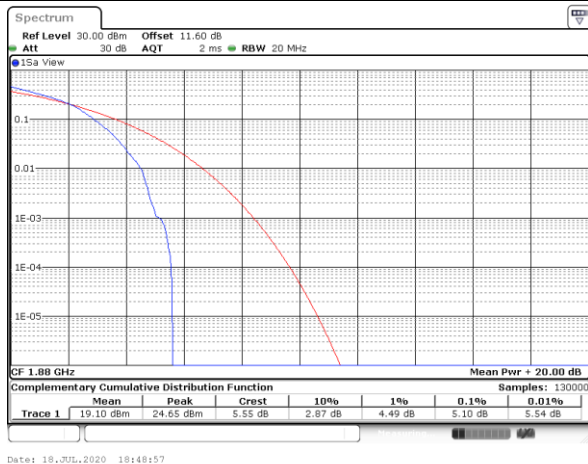
Lowest Channel / 1RB



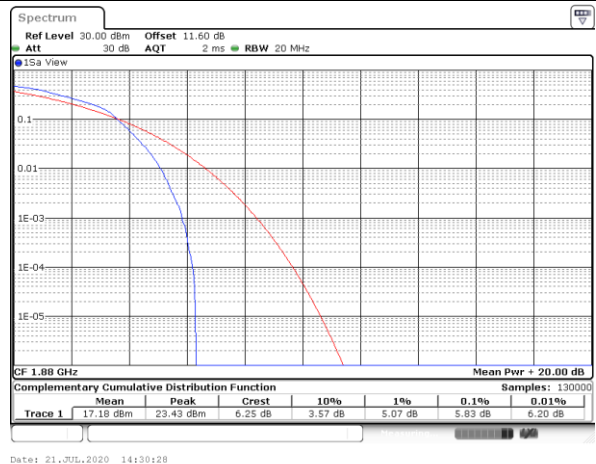
Lowest Channel / Full RB



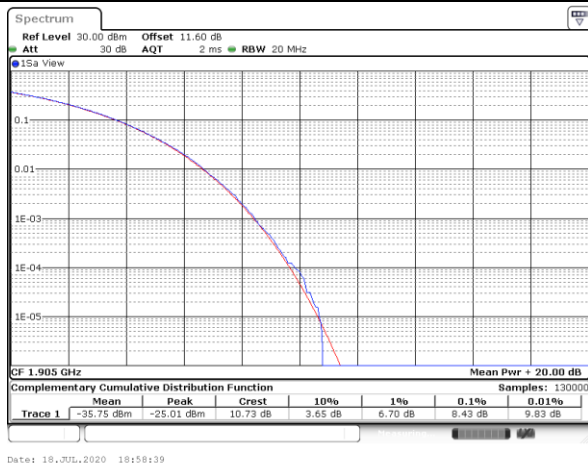
Middle Channel / 1RB



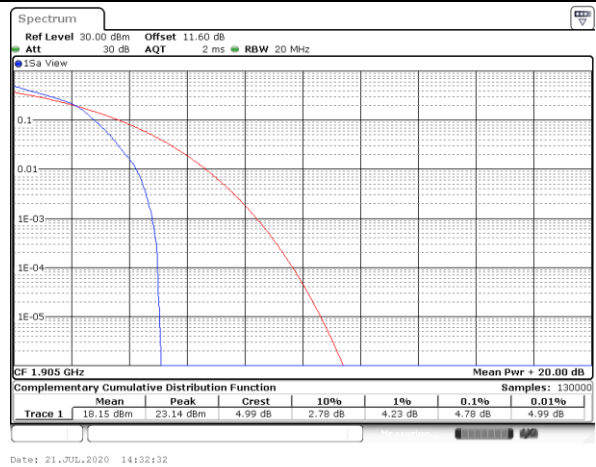
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



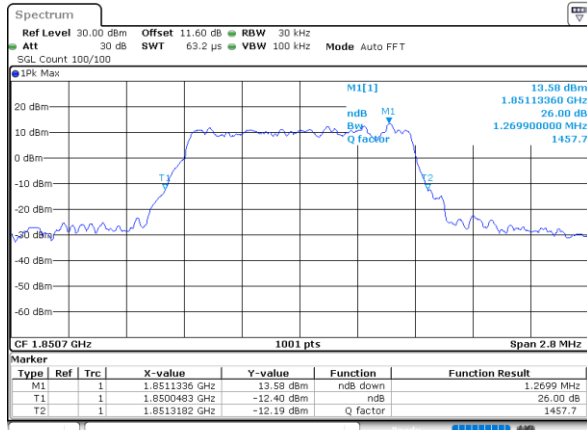
**26dB Bandwidth**

Mode	LTE Band 25 : 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	1.27	1.25	1.47	1.36	1.45	1.36	1.82	1.74	1.89	1.59	1.88	1.68
Middle CH	1.35	1.31	1.41	1.46	1.34	1.40	1.84	1.72	1.86	1.89	1.88	1.64
Highest CH	1.30	1.20	1.46	1.35	1.31	1.40	1.82	1.58	1.86	1.71	1.76	1.72

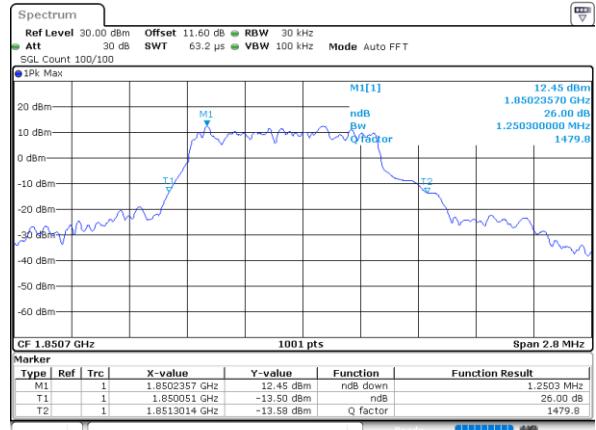


LTE Band 25

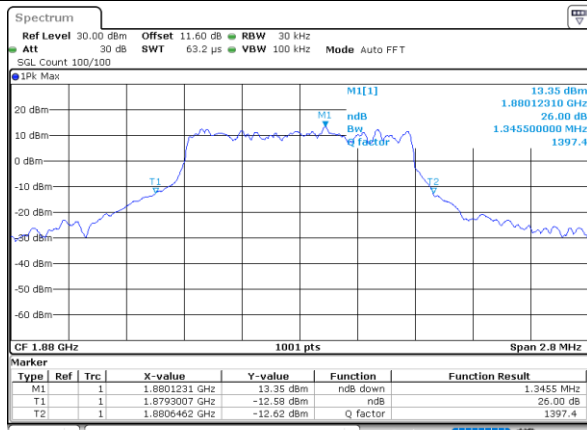
Lowest Channel / 1.4MHz / QPSK



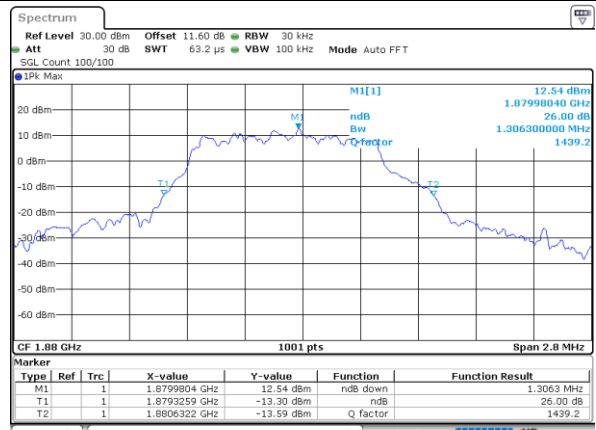
Lowest Channel / 1.4MHz / 16QAM



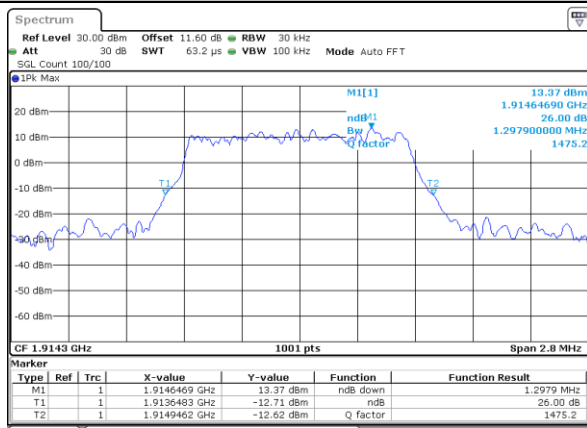
Middle Channel / 1.4MHz / QPSK



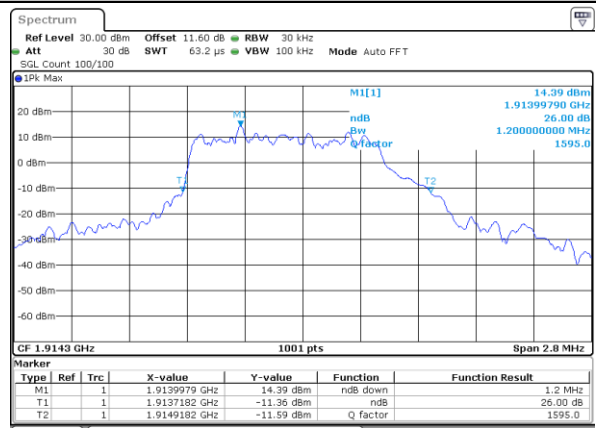
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



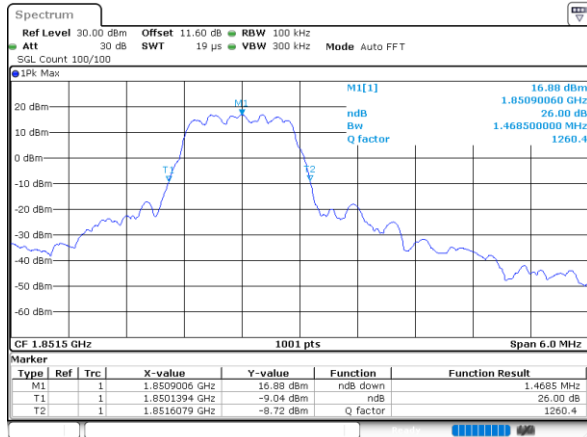
Highest Channel / 1.4MHz / 16QAM





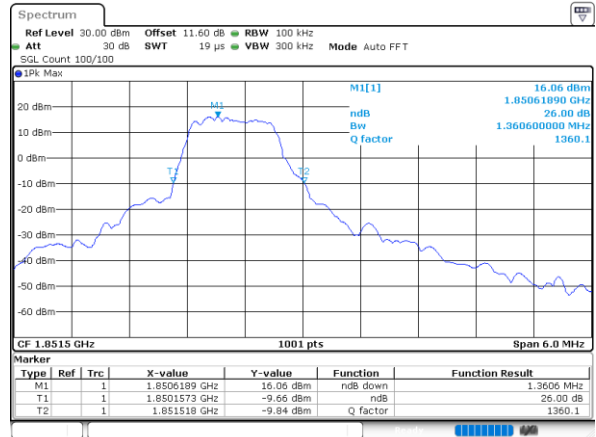
LTE Band 25

Lowest Channel / 3MHz / QPSK



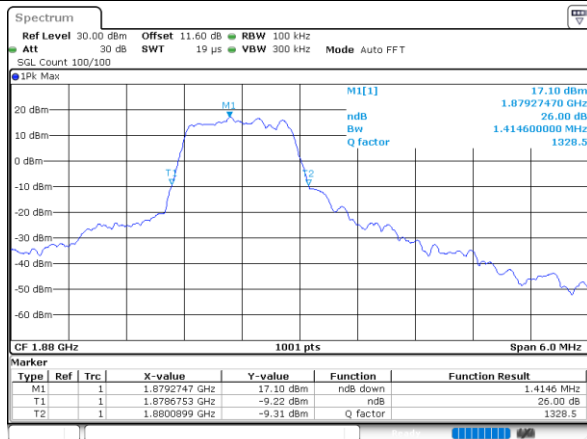
Date: 18.JUL.2020 17:25:44

Lowest Channel / 3MHz / 16QAM



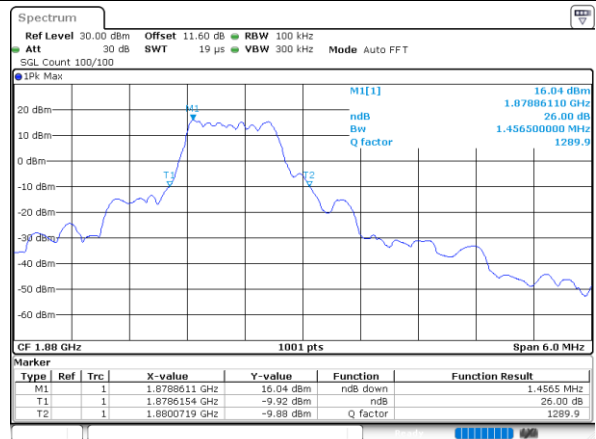
Date: 21.JUL.2020 14:18:01

Middle Channel / 3MHz / QPSK



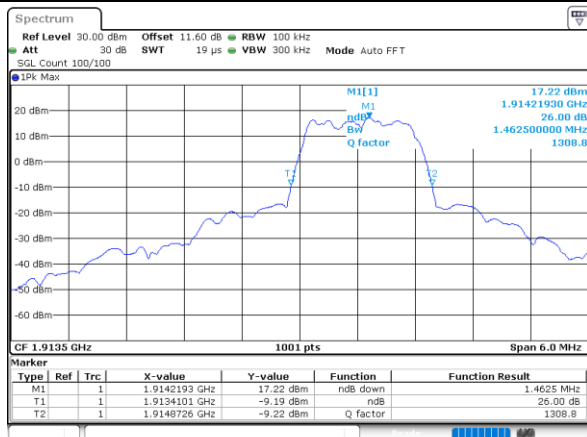
Date: 18.JUL.2020 17:23:27

Middle Channel / 3MHz / 16QAM



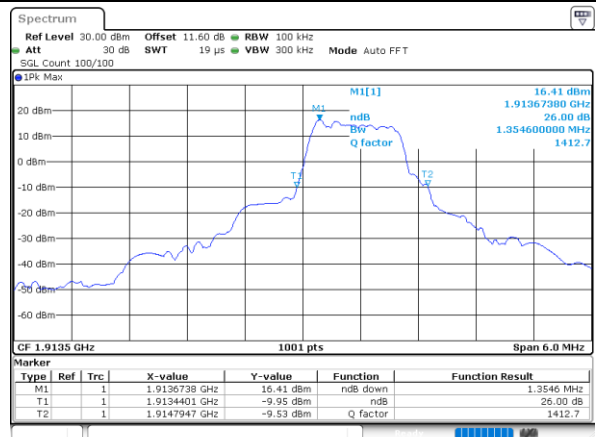
Date: 21.JUL.2020 14:17:31

Highest Channel / 3MHz / QPSK



Date: 18.JUL.2020 17:30:56

Highest Channel / 3MHz / 16QAM

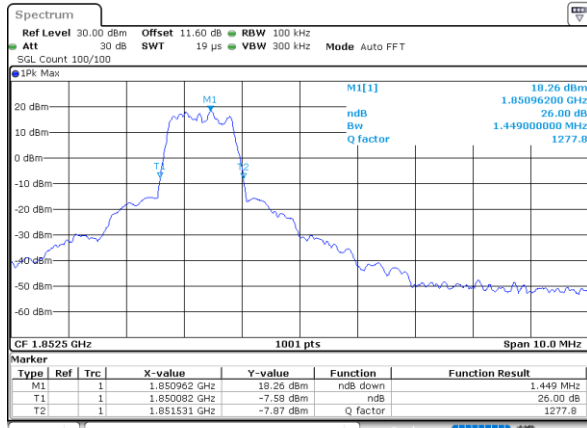


Date: 21.JUL.2020 14:19:42



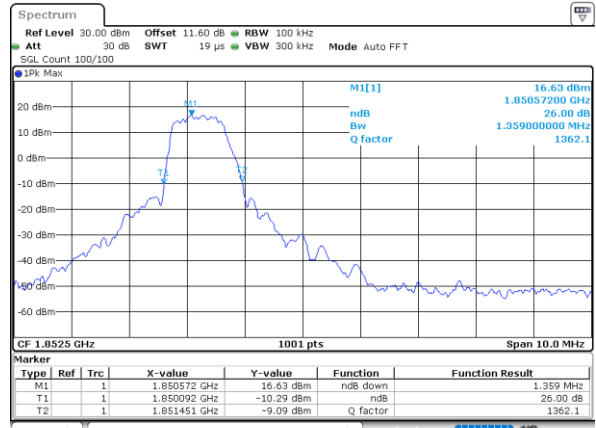
LTE Band 25

Lowest Channel / 5MHz / QPSK



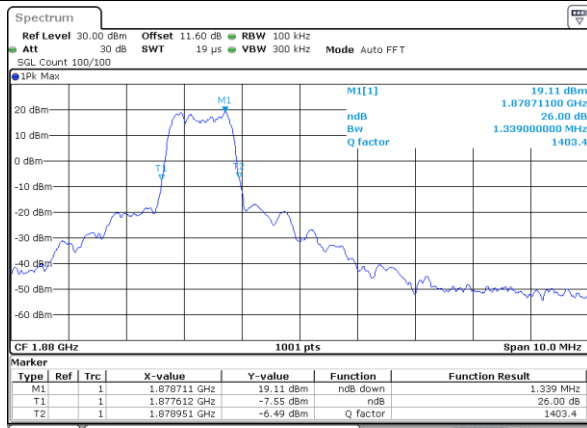
Date: 18.JUL.2020 17:40:19

Lowest Channel / 5MHz / 16QAM



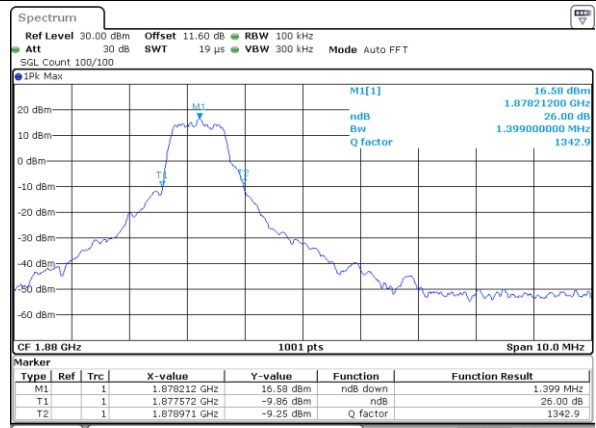
Date: 21.JUL.2020 14:23:20

Middle Channel / 5MHz / QPSK



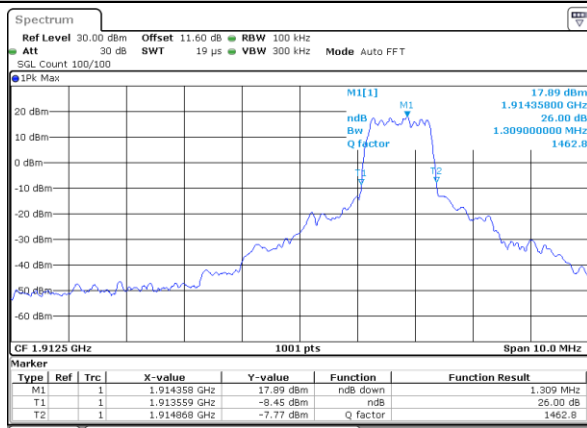
Date: 18.JUL.2020 17:37:44

Middle Channel / 5MHz / 16QAM



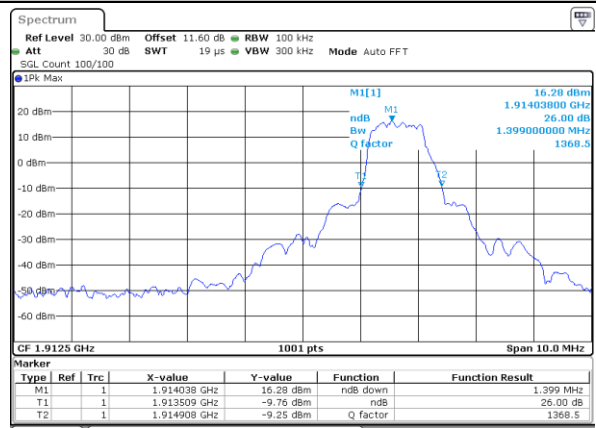
Date: 21.JUL.2020 14:22:42

Highest Channel / 5MHz / QPSK



Date: 18.JUL.2020 17:44:03

Highest Channel / 5MHz / 16QAM

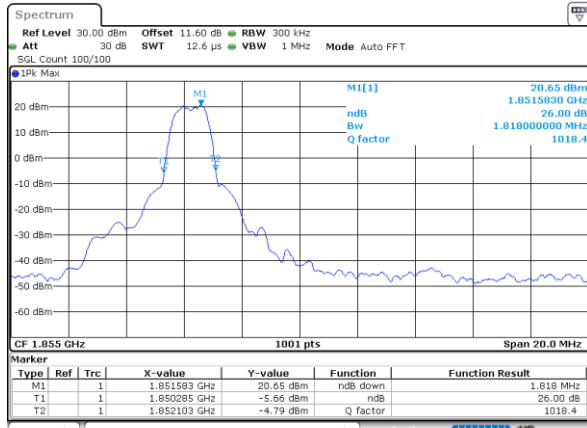


Date: 21.JUL.2020 14:24:06



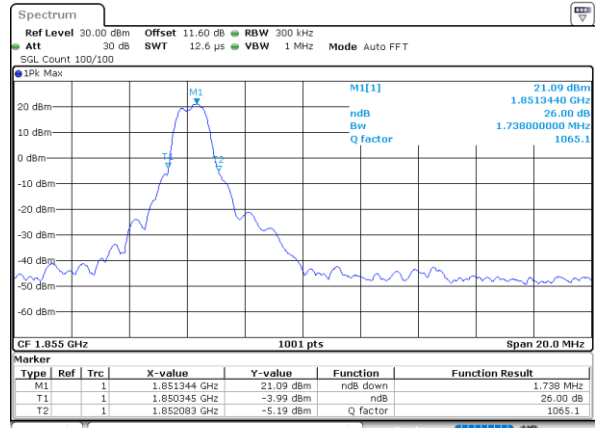
LTE Band 25

Lowest Channel / 10MHz / QPSK



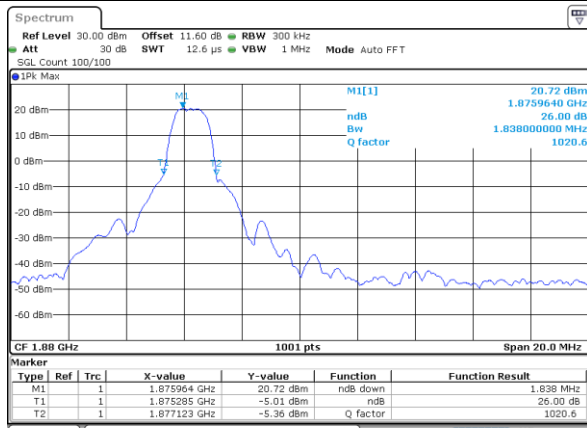
Date: 18.JUL.2020 17:50:58

Lowest Channel / 10MHz / 16QAM



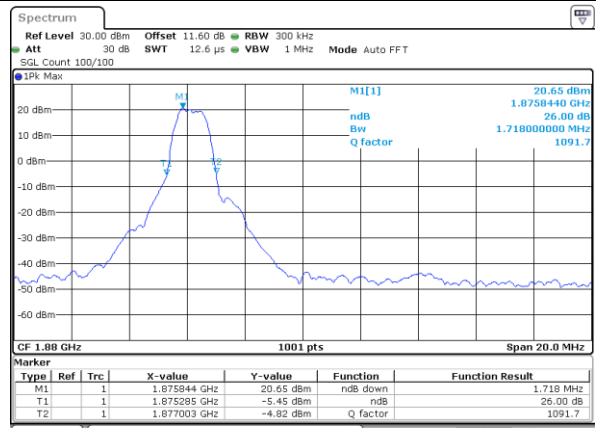
Date: 21.JUL.2020 14:04:30

Middle Channel / 10MHz / QPSK



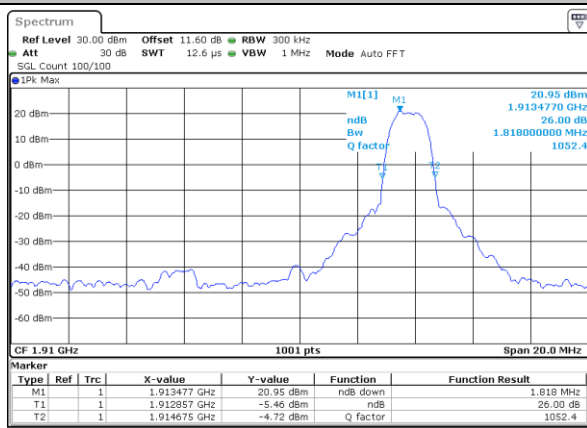
Date: 18.JUL.2020 17:48:56

Middle Channel / 10MHz / 16QAM



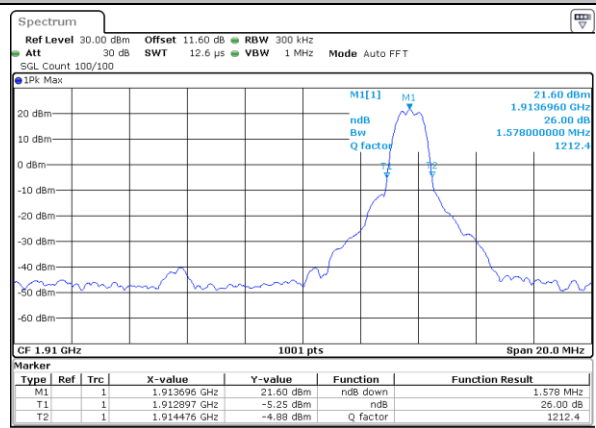
Date: 21.JUL.2020 14:04:03

Highest Channel / 10MHz / QPSK



Date: 18.JUL.2020 17:56:21

Highest Channel / 10MHz / 16QAM

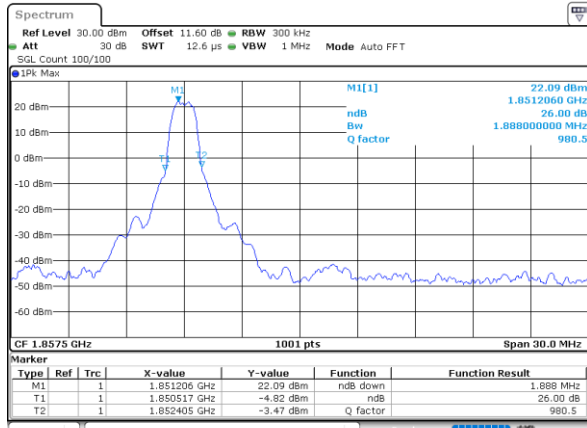


Date: 21.JUL.2020 14:05:06



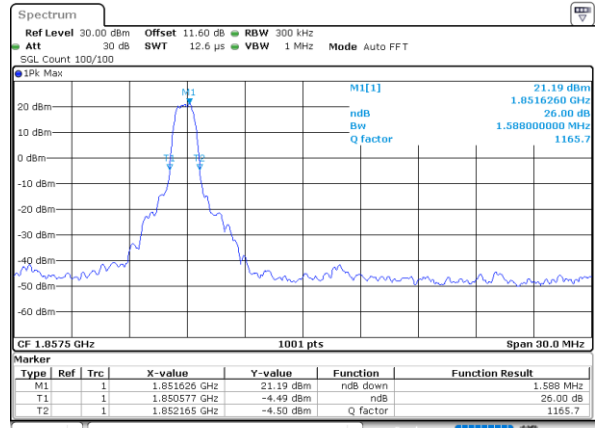
LTE Band 25

Lowest Channel / 15MHz / QPSK



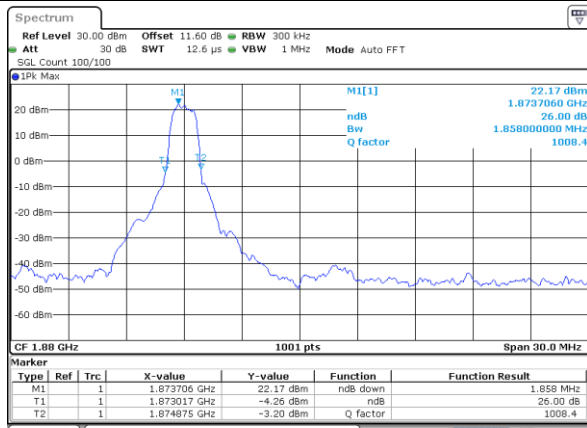
Date: 18.JUL.2020 18:35:40

Lowest Channel / 15MHz / 16QAM



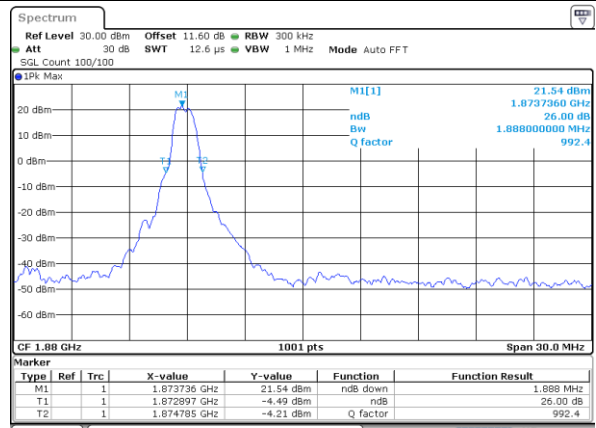
Date: 21.JUL.2020 14:26:10

Middle Channel / 15MHz / QPSK



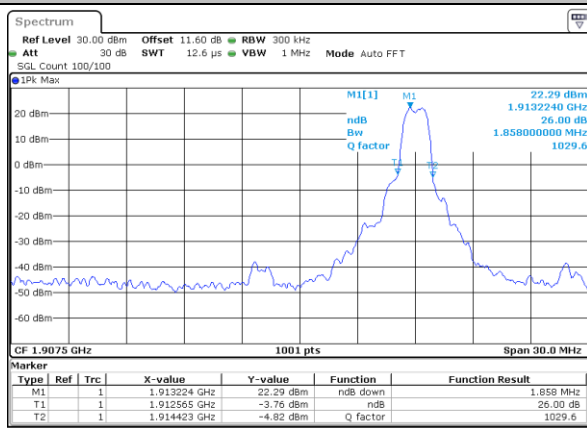
Date: 18.JUL.2020 18:32:17

Middle Channel / 15MHz / 16QAM



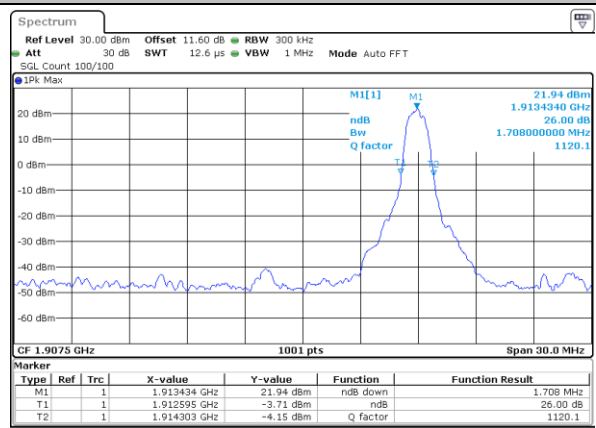
Date: 21.JUL.2020 14:26:20

Highest Channel / 15MHz / QPSK



Date: 18.JUL.2020 18:39:29

Highest Channel / 15MHz / 16QAM

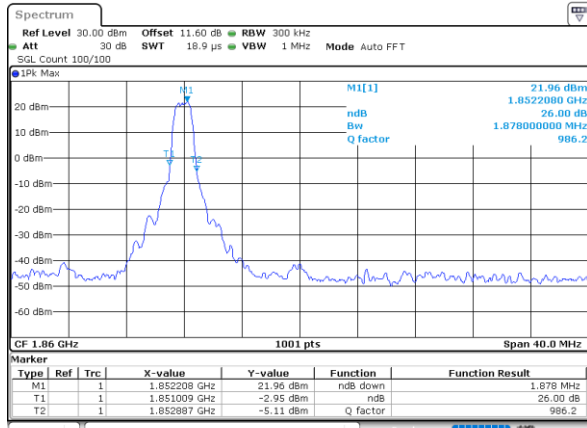


Date: 21.JUL.2020 14:27:27



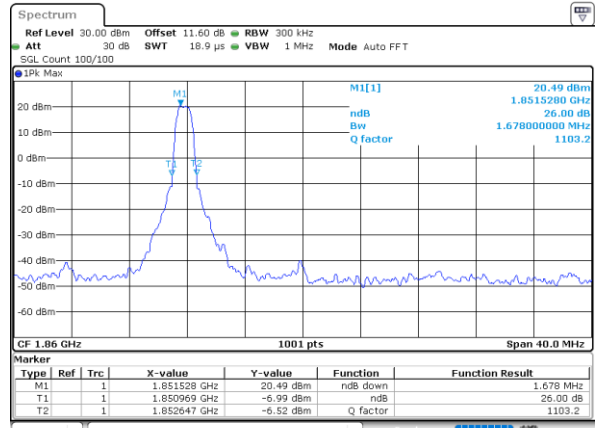
LTE Band 25

Lowest Channel / 20MHz / QPSK



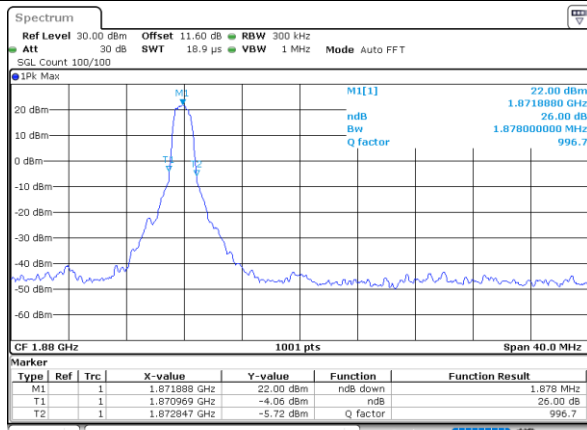
Date: 18.JUL.2020 18:49:34

Lowest Channel / 20MHz / 16QAM



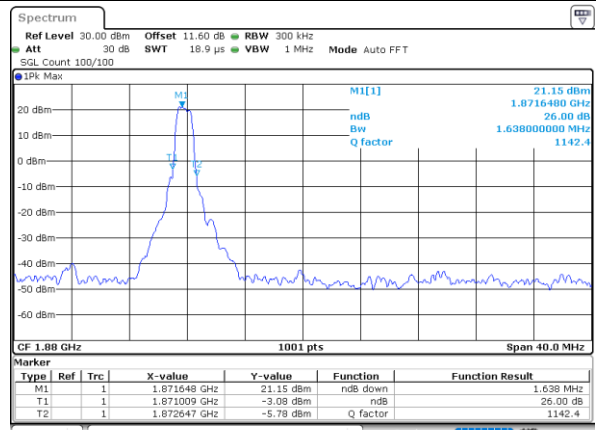
Date: 21.JUL.2020 14:31:05

Middle Channel / 20MHz / QPSK



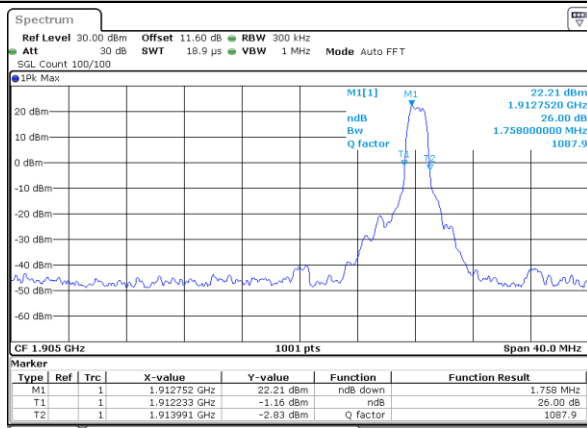
Date: 18.JUL.2020 18:46:47

Middle Channel / 20MHz / 16QAM



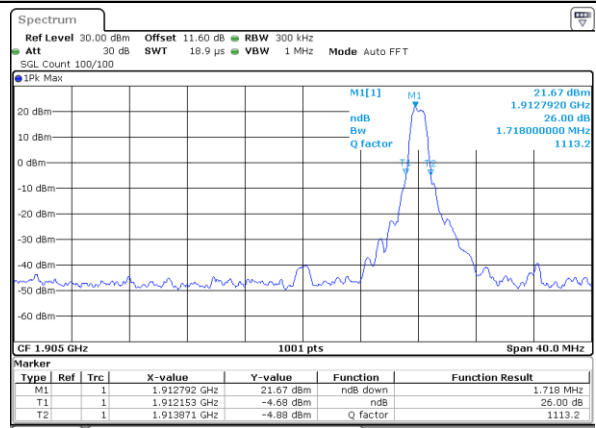
Date: 21.JUL.2020 14:38:14

Highest Channel / 20MHz / QPSK



Date: 18.JUL.2020 18:53:19

Highest Channel / 20MHz / 16QAM



Date: 21.JUL.2020 14:32:10

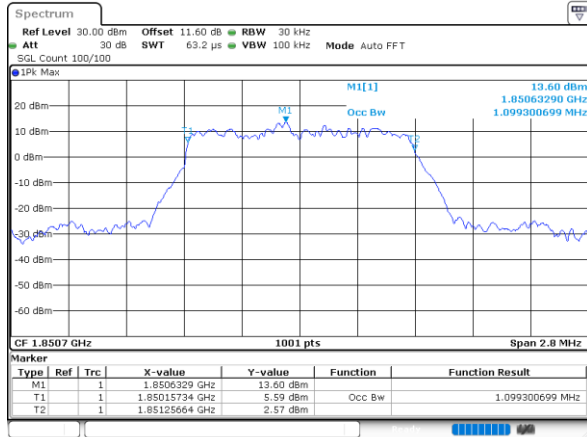
**Occupied Bandwidth**

Mode	LTE Band 25 : 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	0.93	1.16	0.98	1.21	1.02	1.46	1.36	1.44	1.29	1.52	1.32
Middle CH	1.09	0.94	1.22	1.01	1.17	1.02	1.48	1.26	1.41	1.32	1.48	1.36
Highest CH	1.09	0.95	1.15	1.00	1.20	1.05	1.46	1.28	1.47	1.26	1.44	1.32

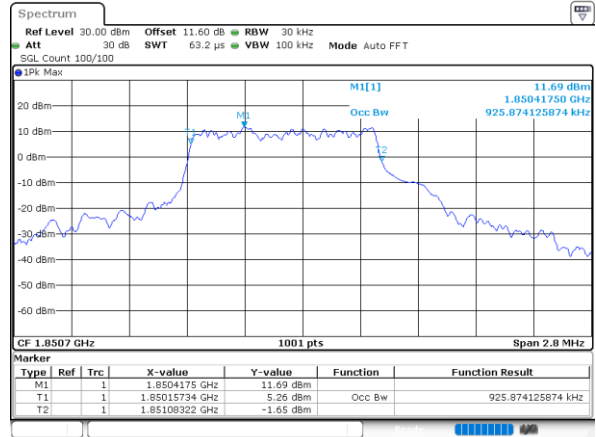


LTE Band 25

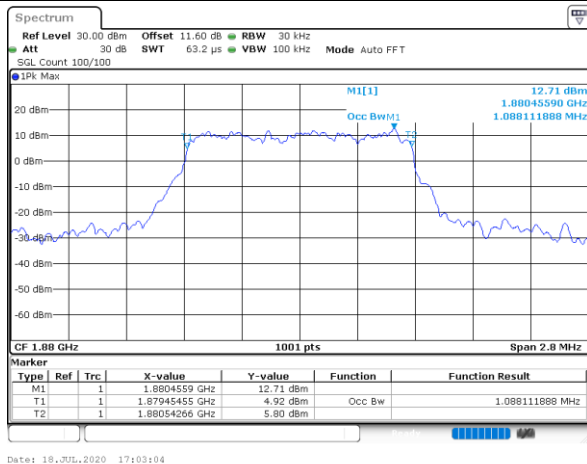
Lowest Channel / 1.4MHz / QPSK



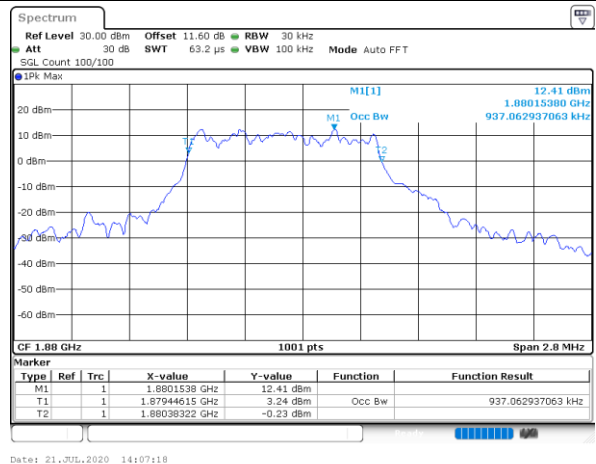
Lowest Channel / 1.4MHz / 16QAM



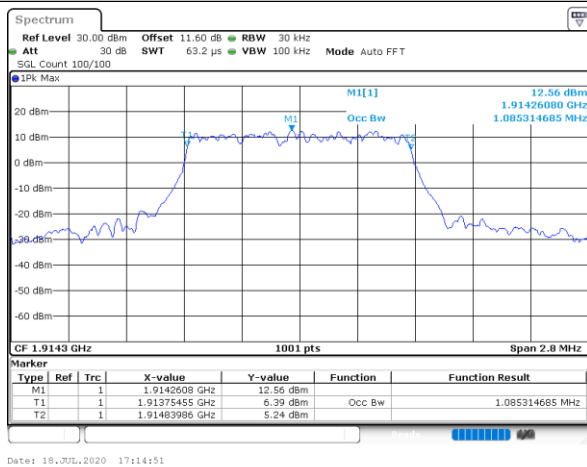
Middle Channel / 1.4MHz / QPSK



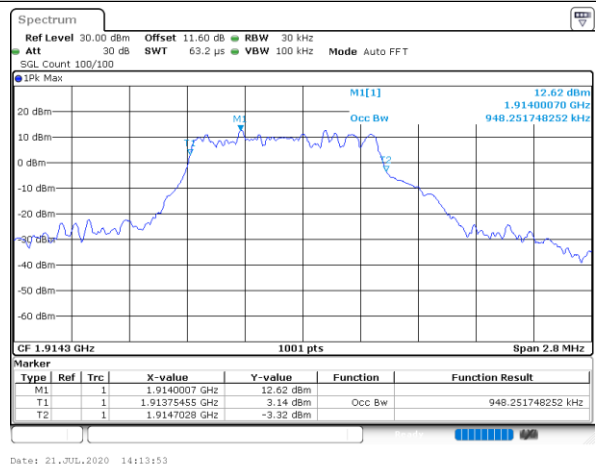
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



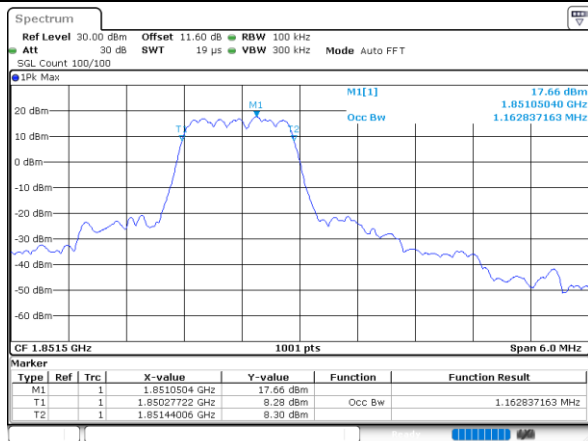
Highest Channel / 1.4MHz / 16QAM



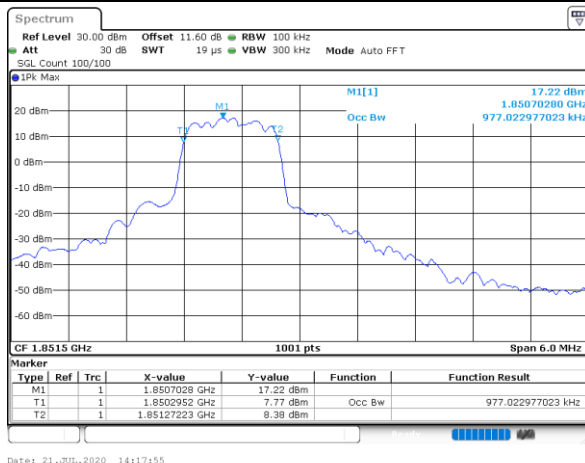


LTE Band 25

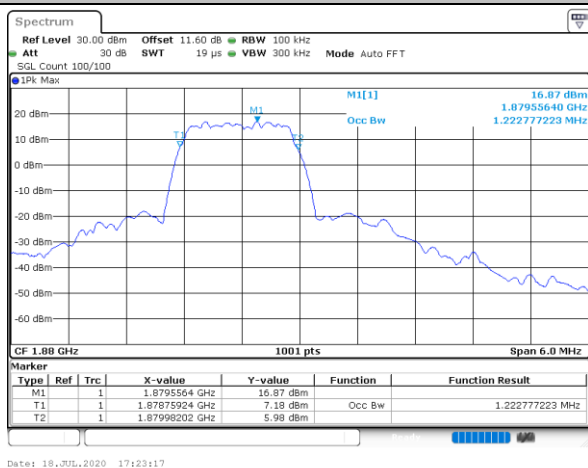
Lowest Channel / 3MHz / QPSK



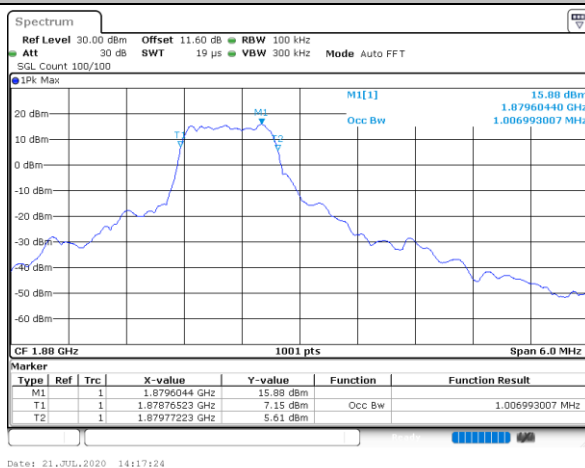
Lowest Channel / 3MHz / 16QAM



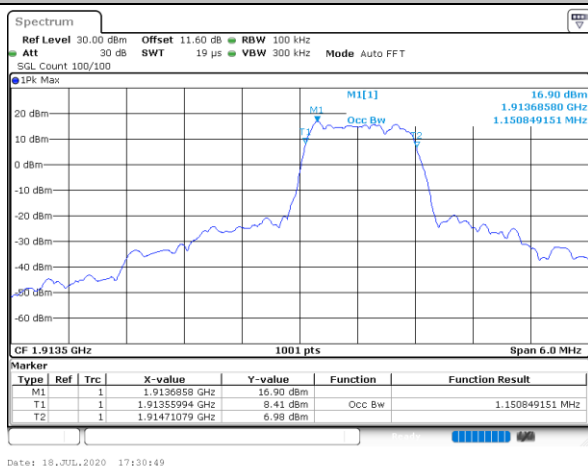
Middle Channel / 3MHz / QPSK



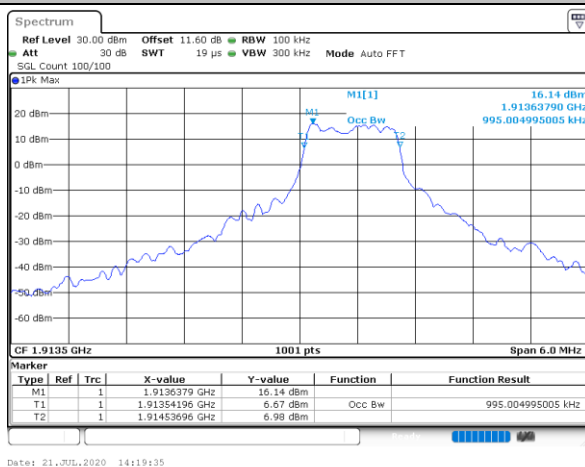
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



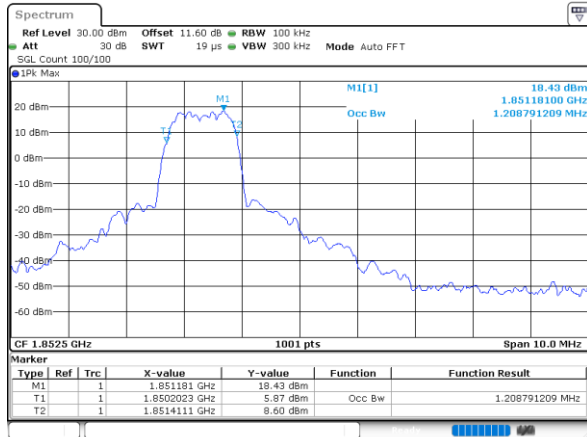
Highest Channel / 3MHz / 16QAM



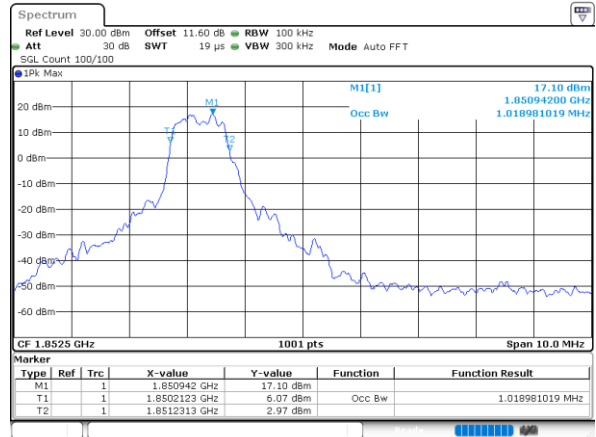


LTE Band 25

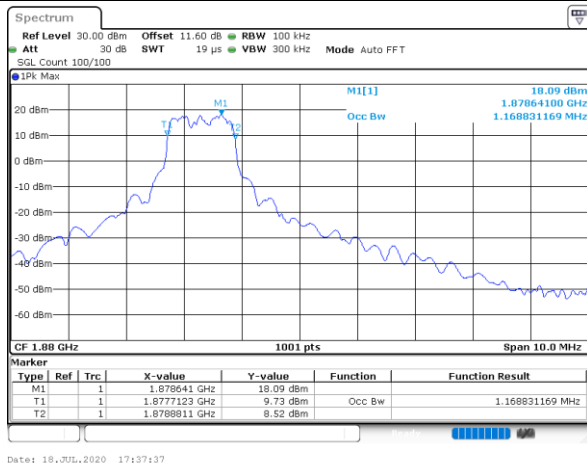
Lowest Channel / 5MHz / QPSK



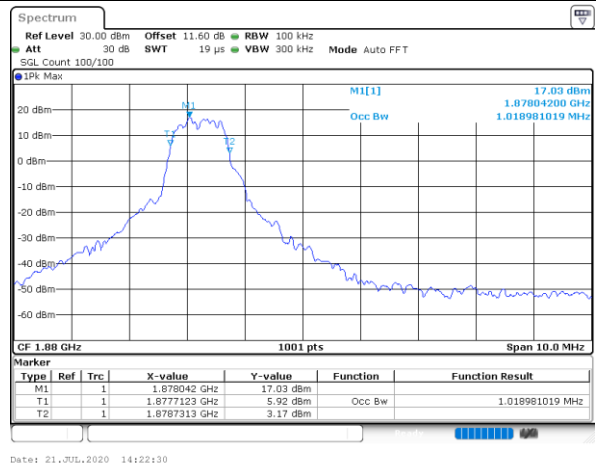
Lowest Channel / 5MHz / 16QAM



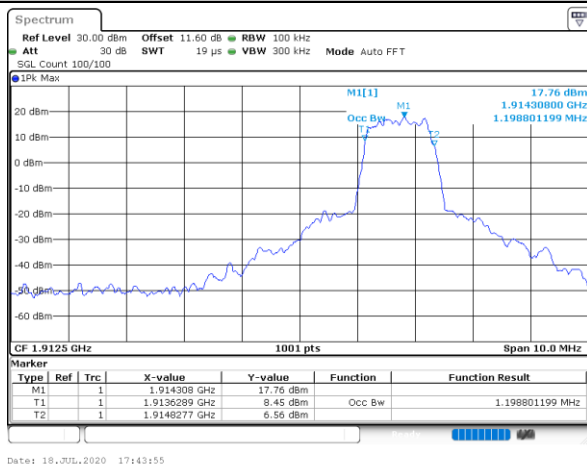
Middle Channel / 5MHz / QPSK



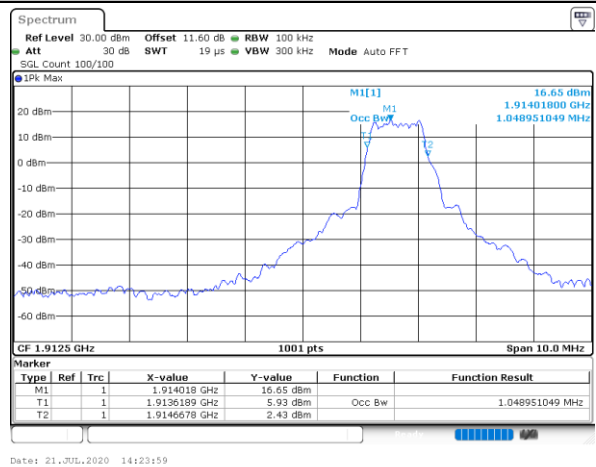
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



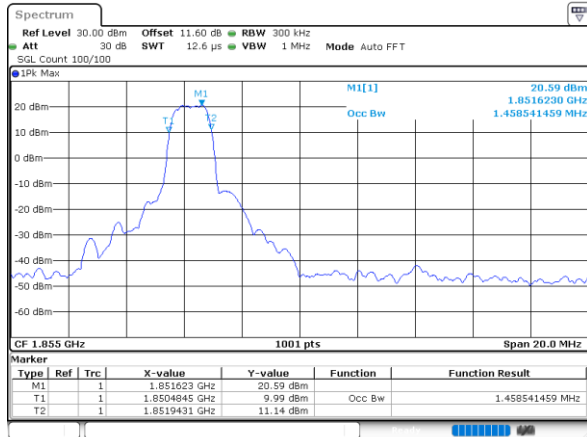
Highest Channel / 5MHz / 16QAM



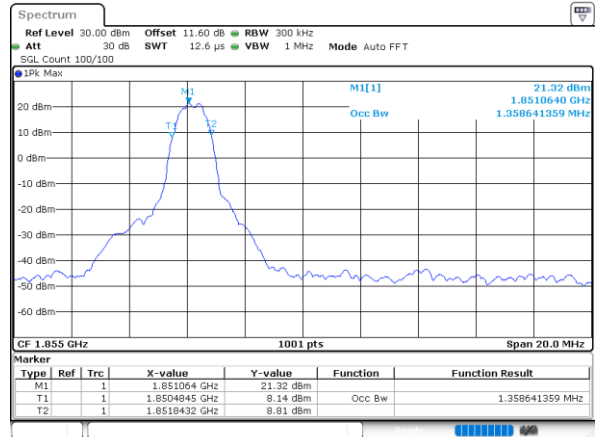


LTE Band 25

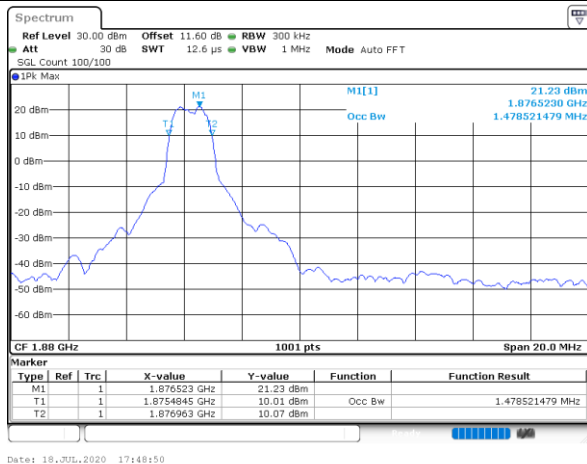
Lowest Channel / 10MHz / QPSK



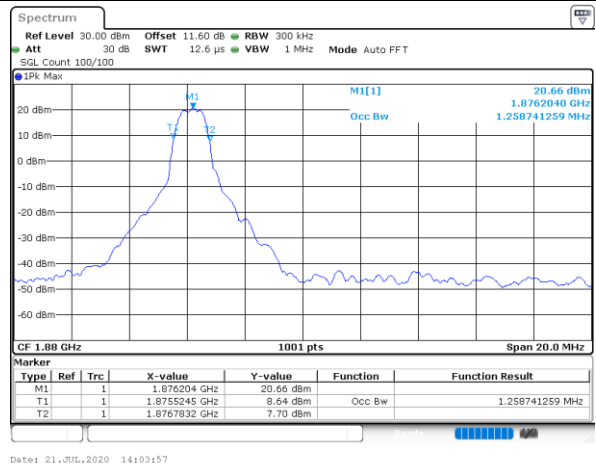
Lowest Channel / 10MHz / 16QAM



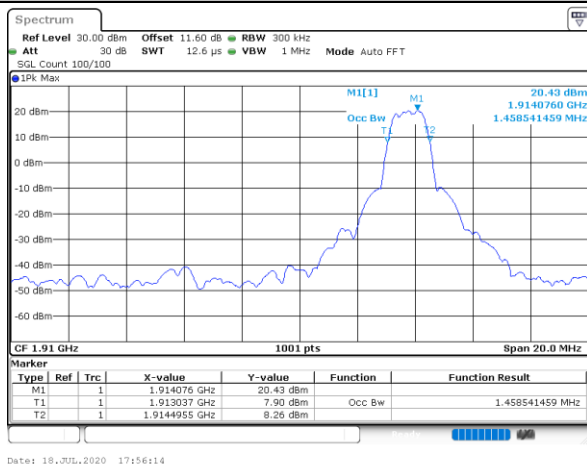
Middle Channel / 10MHz / QPSK



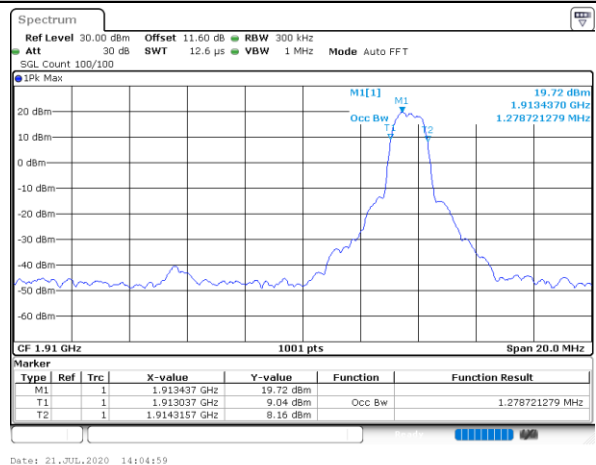
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



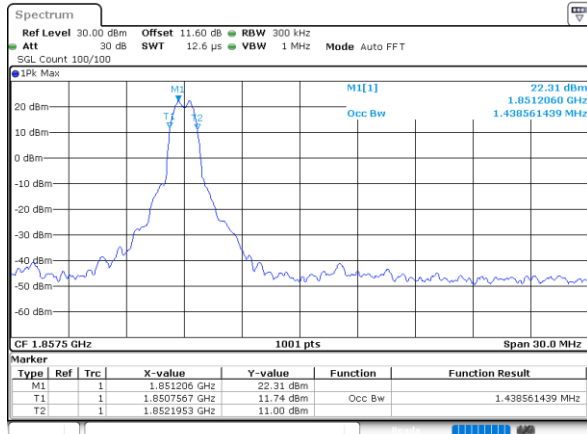
Highest Channel / 10MHz / 16QAM



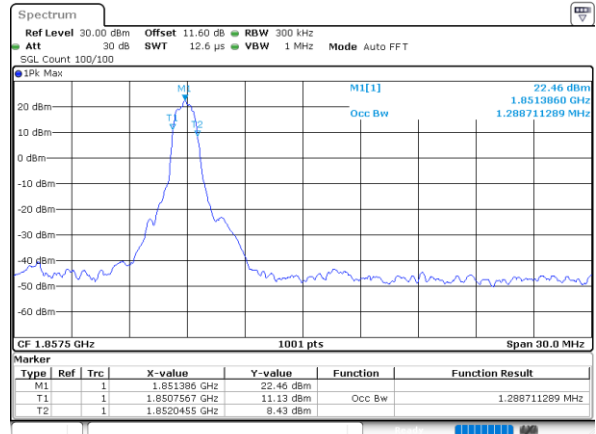


LTE Band 25

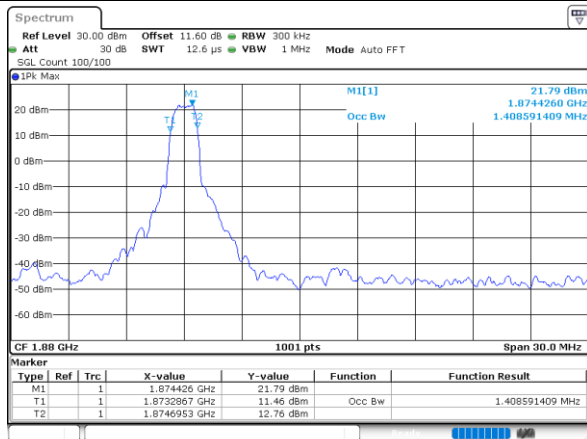
Lowest Channel / 15MHz / QPSK



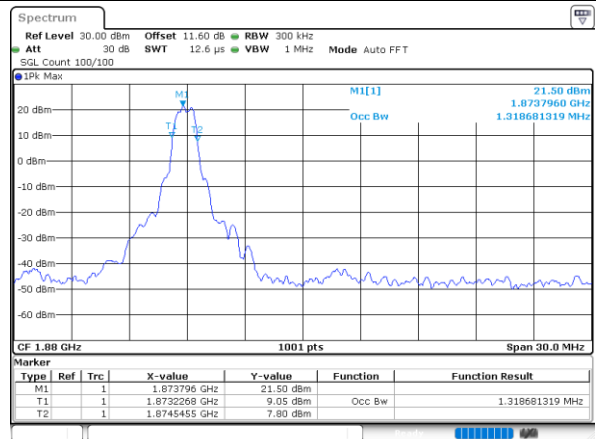
Lowest Channel / 15MHz / 16QAM



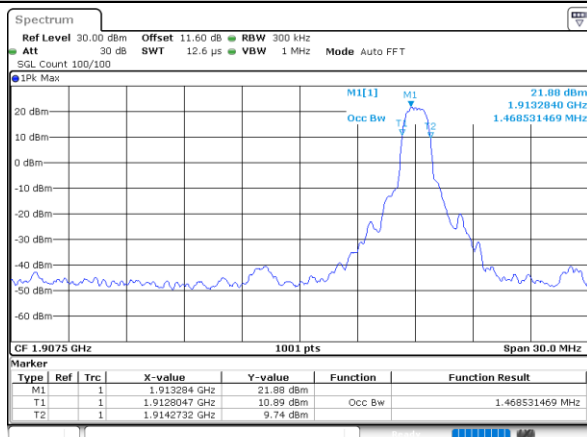
Middle Channel / 15MHz / QPSK



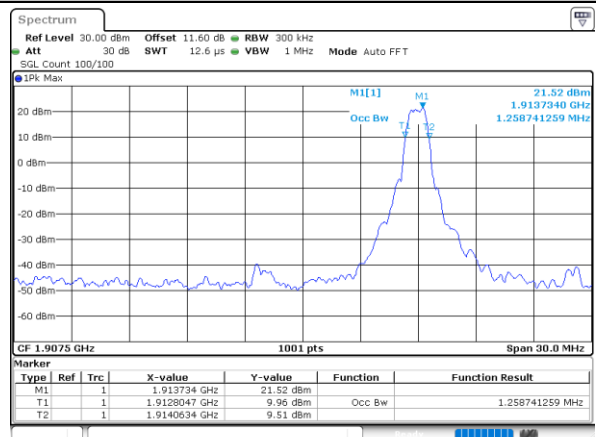
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



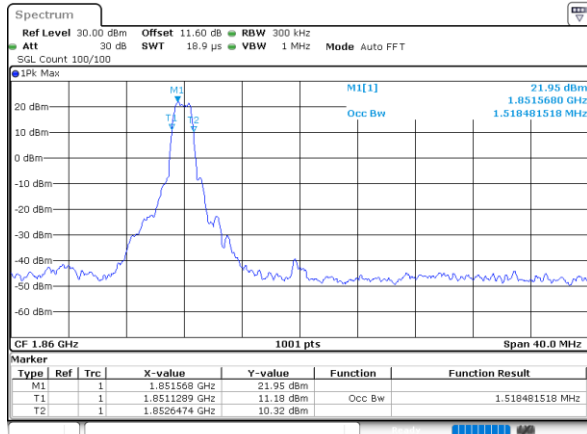
Highest Channel / 15MHz / 16QAM



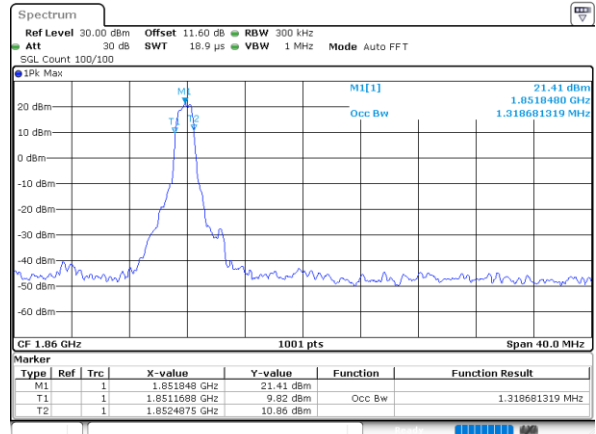


LTE Band 25

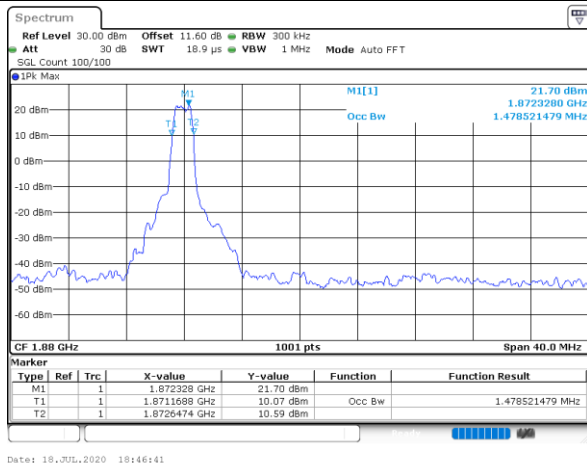
Lowest Channel / 20MHz / QPSK



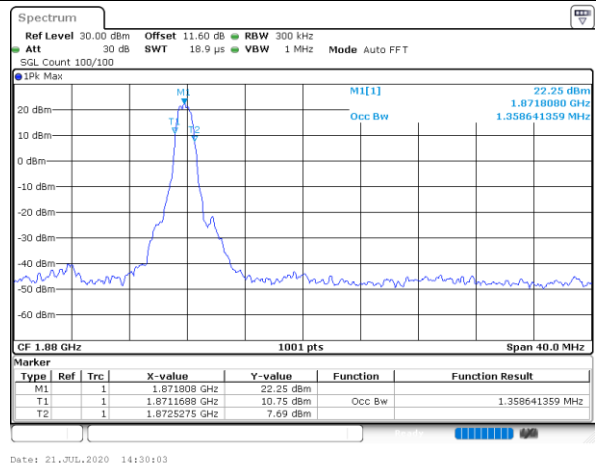
Lowest Channel / 20MHz / 16QAM



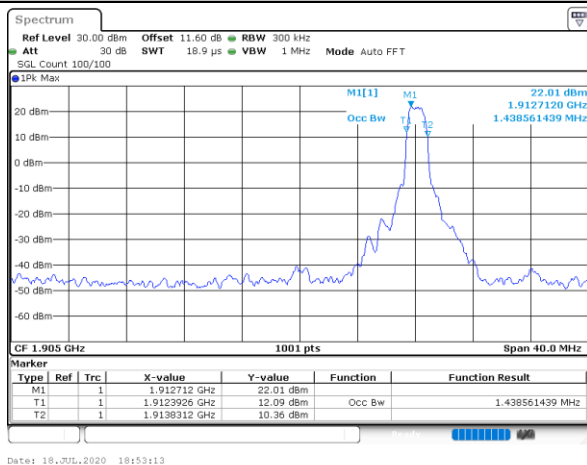
Middle Channel / 20MHz / QPSK



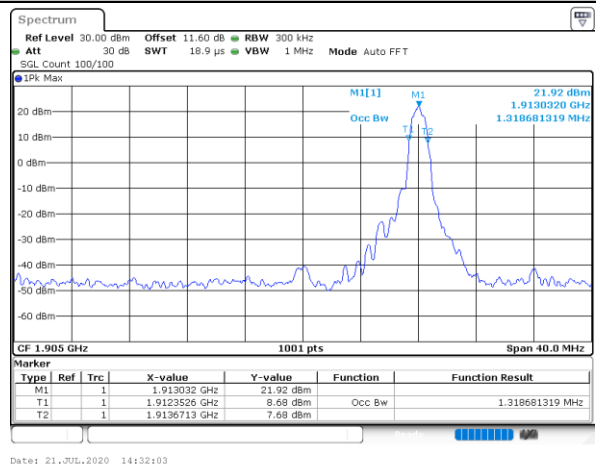
Middle Channel / 20MHz / 16QAM

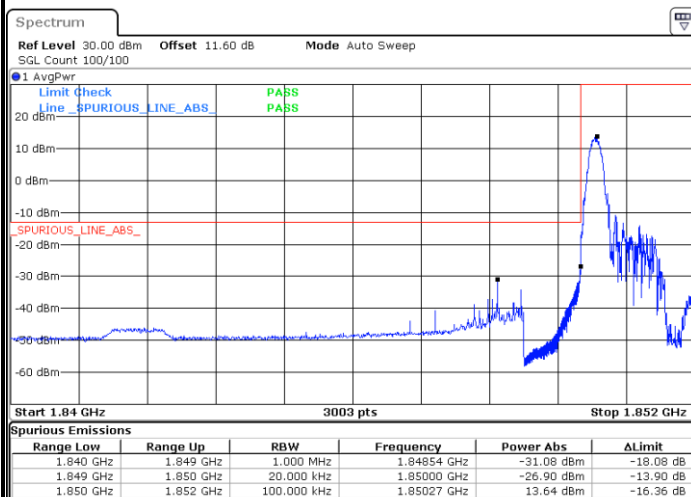
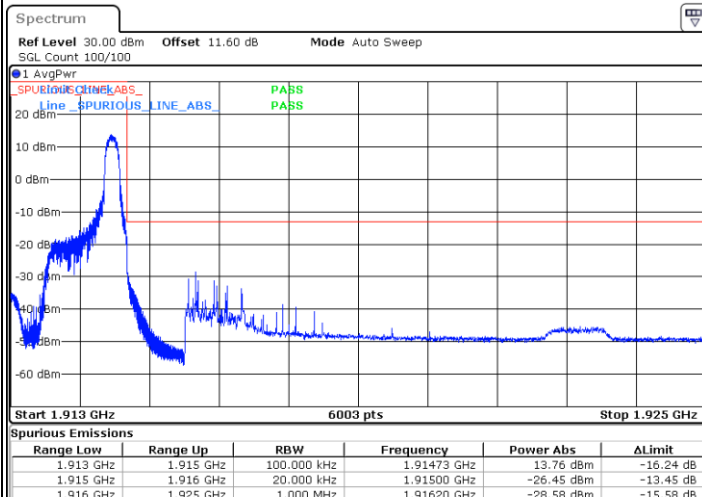
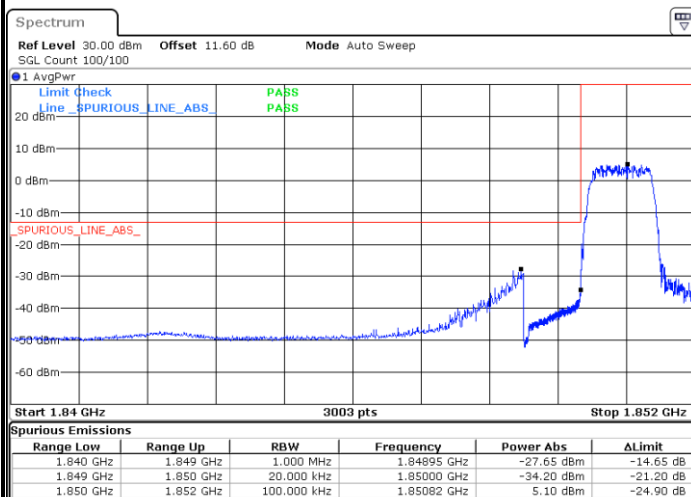
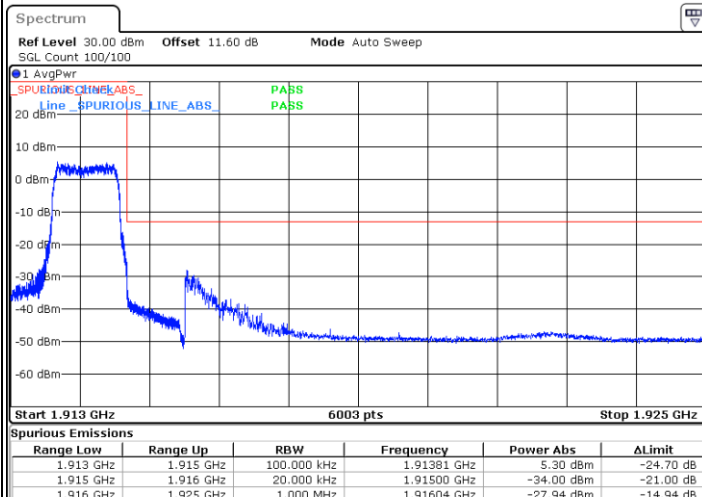


Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

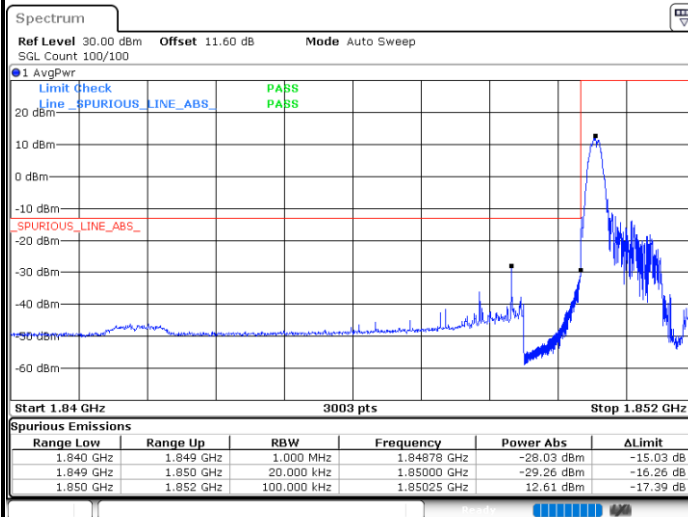


**Conducted Band Edge****LTE Band 25 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

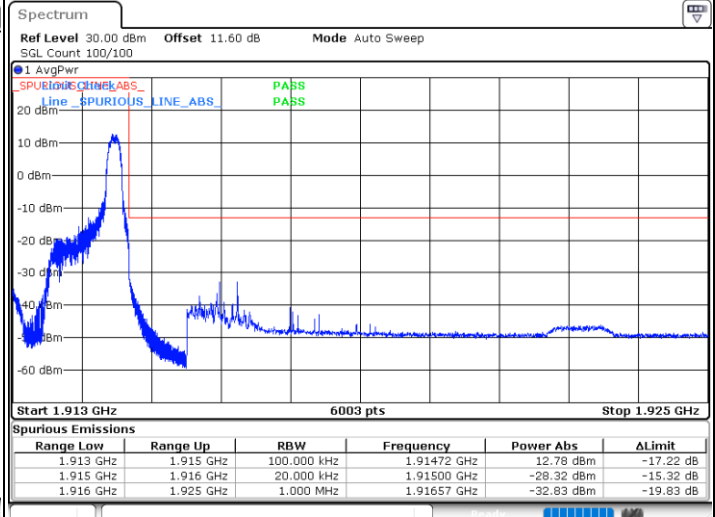


LTE Band 25 / 1.4MHz / 16QAM

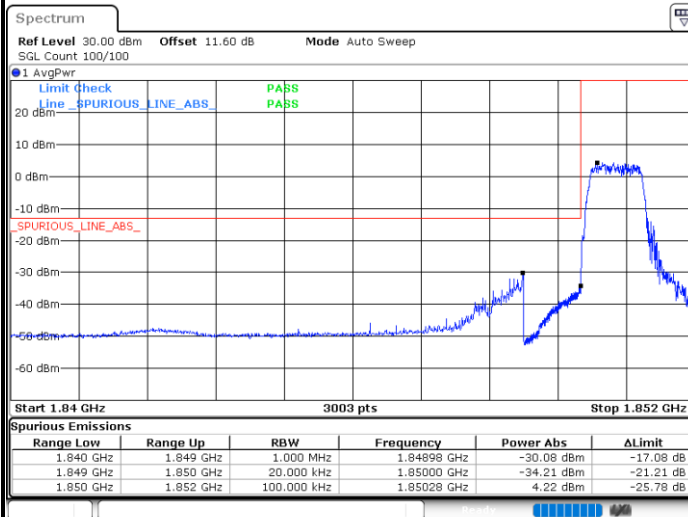
Lowest Band Edge / 1 RB



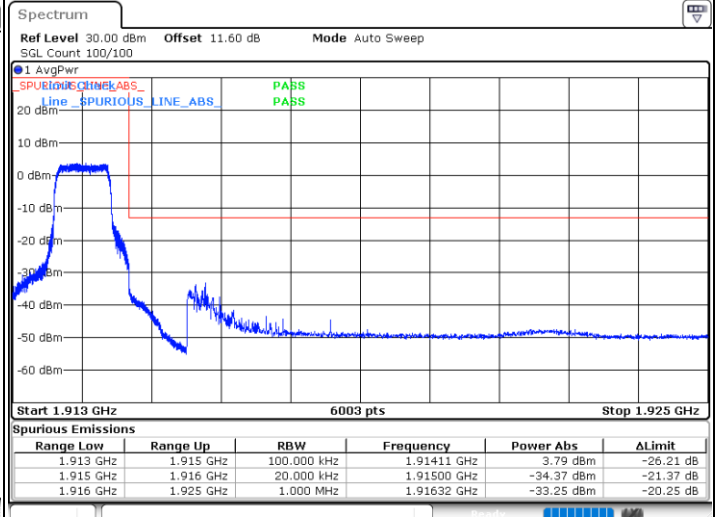
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



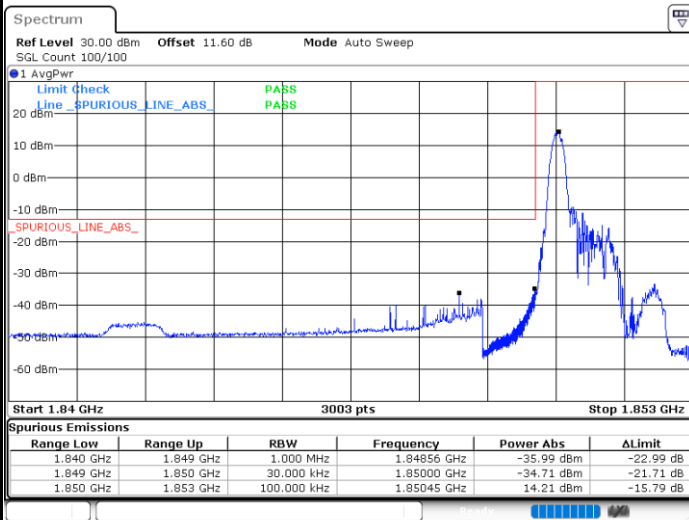
Highest Band Edge / Full RB



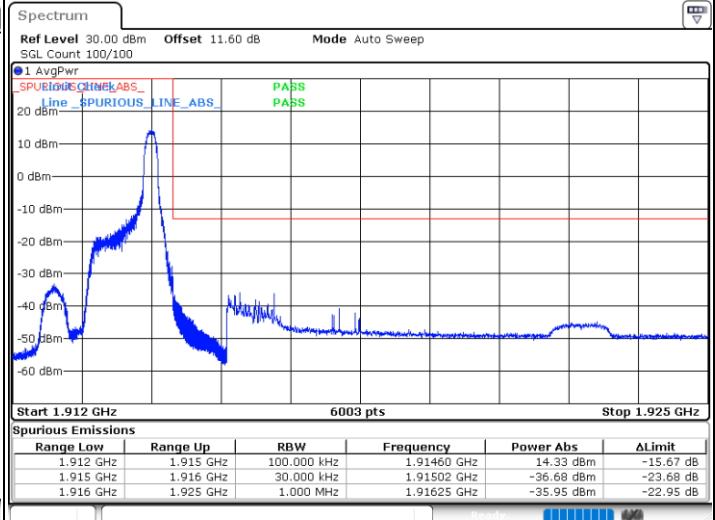


LTE Band 25 / 3MHz / QPSK

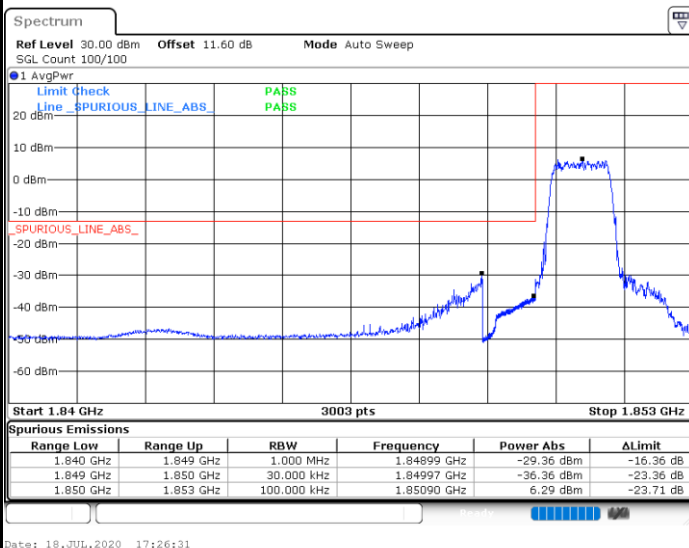
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

