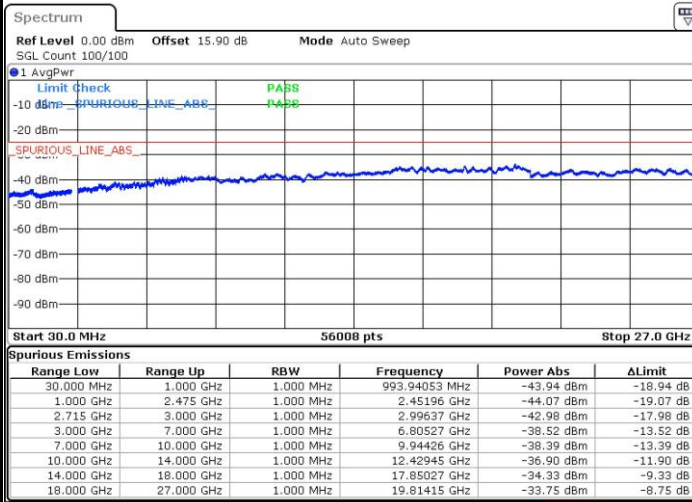




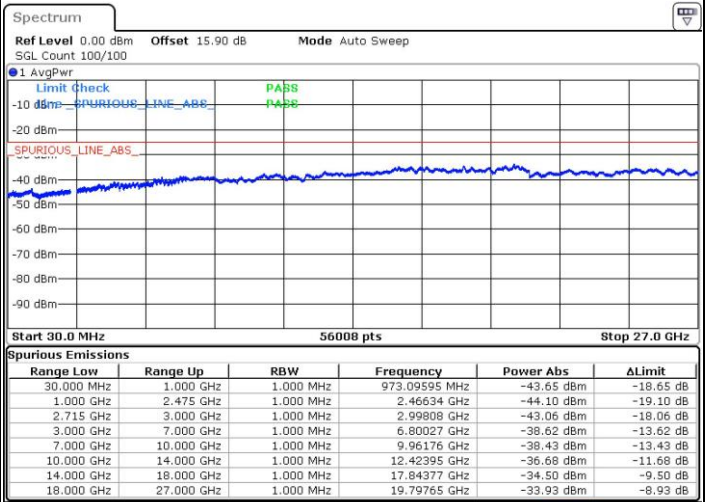
LTE Band 41 / 10MHz

Middle Channel / QPSK



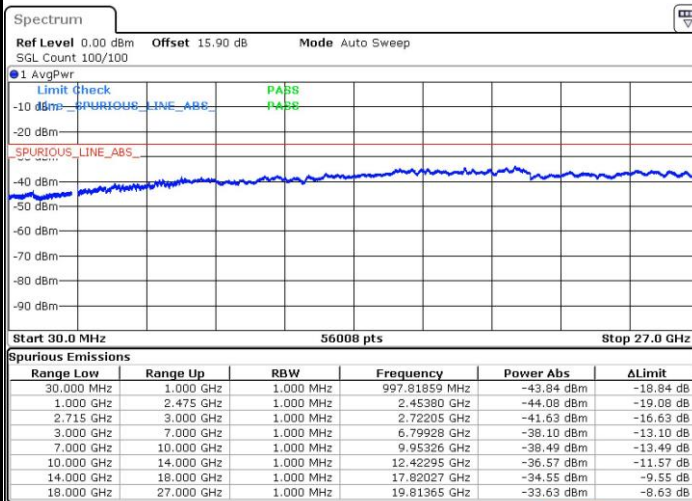
Date: 4 JAN 2019 17:02:19

Middle Channel / 16QAM



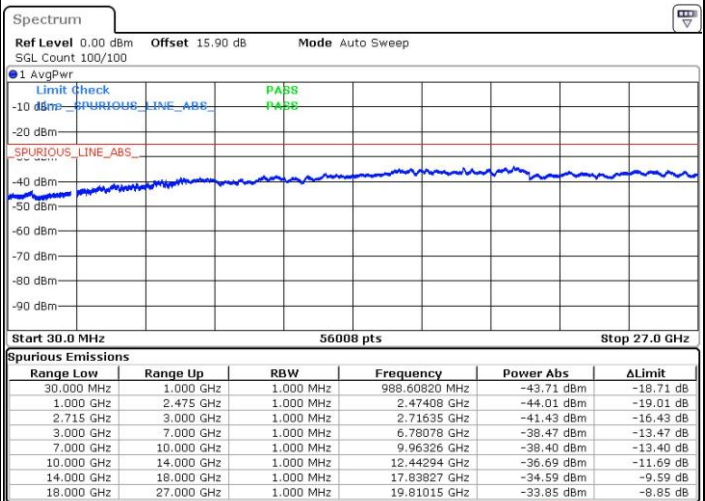
Date: 4 JAN 2019 17:03:19

Highest Channel / QPSK



Date: 4 JAN 2019 17:04:20

Highest Channel / 16QAM

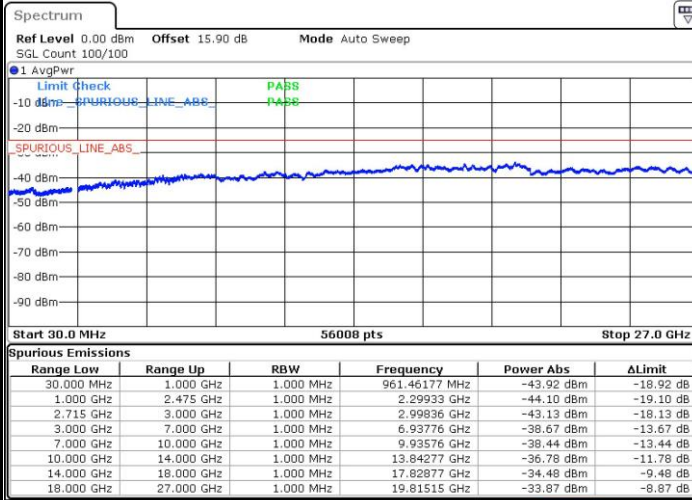


Date: 4 JAN 2019 17:05:20



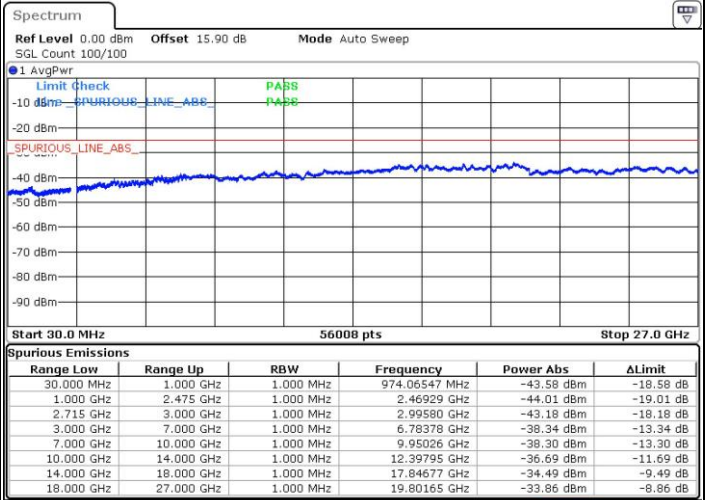
LTE Band 41 / 15MHz

Lowest Channel / QPSK



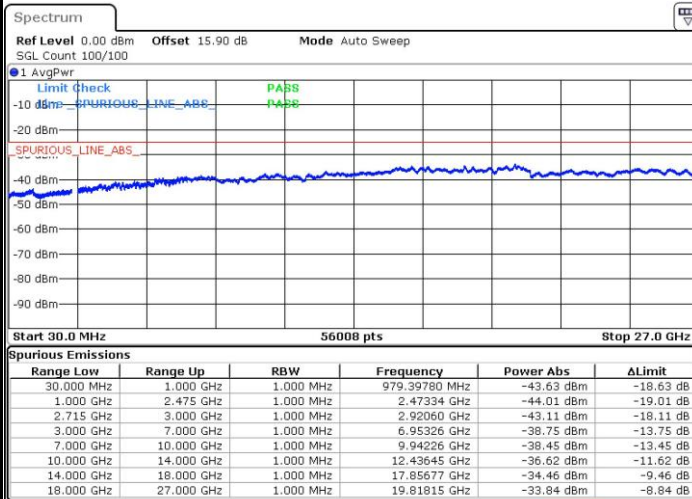
Date: 4 JAN 2019 17:06:21

Lowest Channel / 16QAM



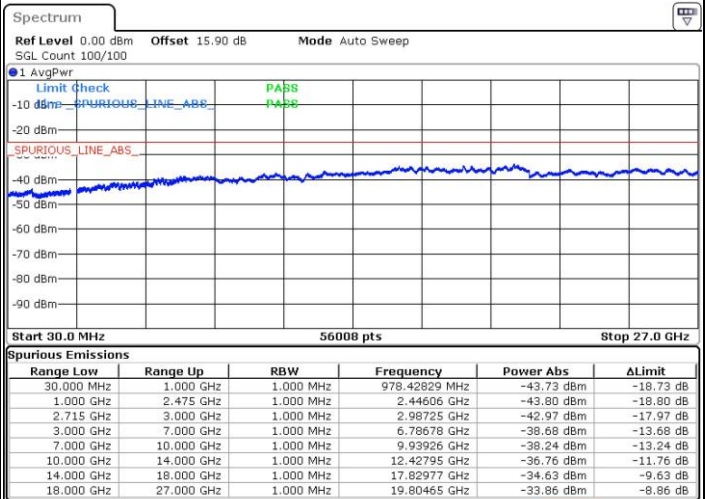
Date: 4 JAN 2019 17:07:21

Middle Channel / QPSK



Date: 4 JAN 2019 17:08:21

Middle Channel / 16QAM

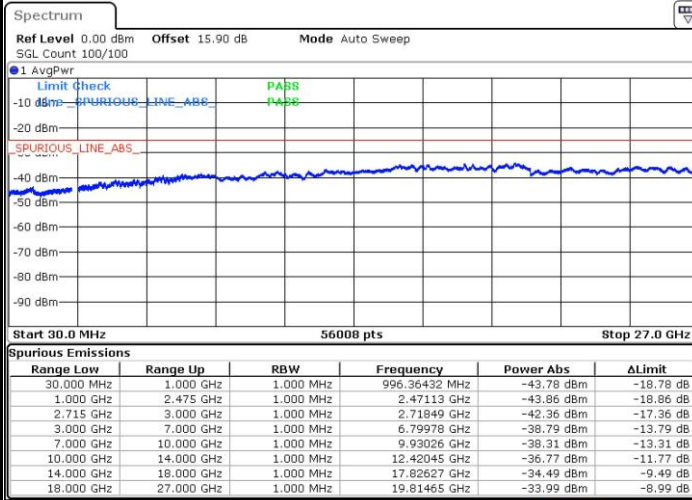


Date: 4 JAN 2019 17:09:22



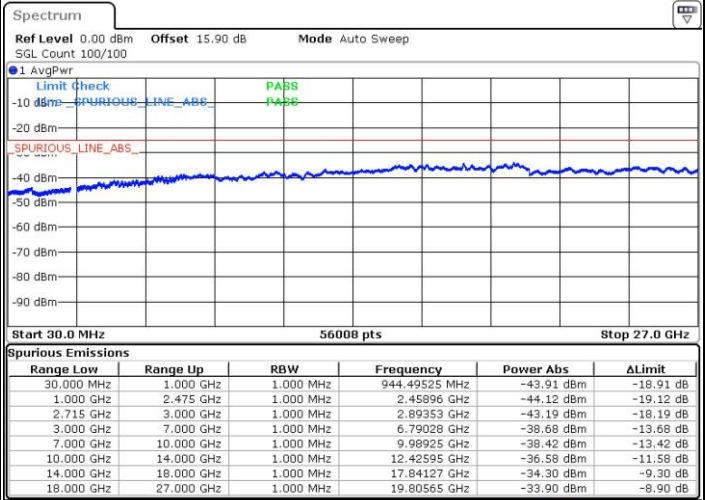
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 4 JAN 2019 17:10:22

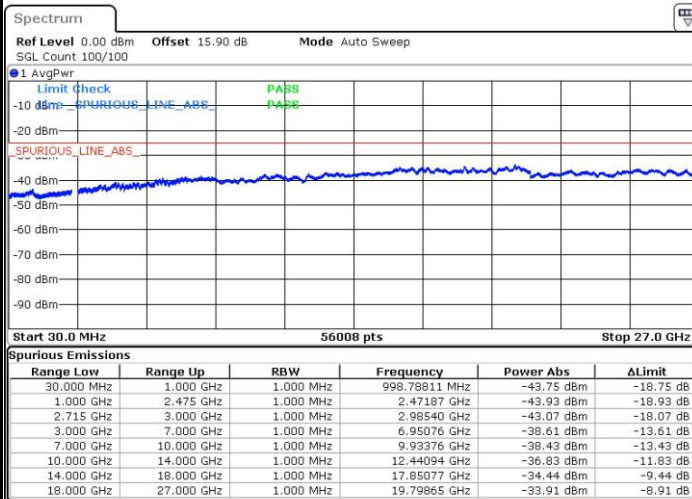
Highest Channel / 16QAM



Date: 4 JAN 2019 17:11:23

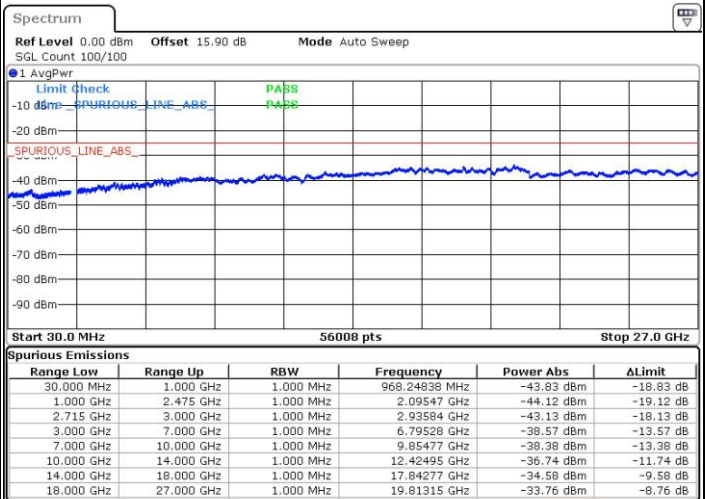
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 4 JAN 2019 17:12:23

Lowest Channel / 16QAM

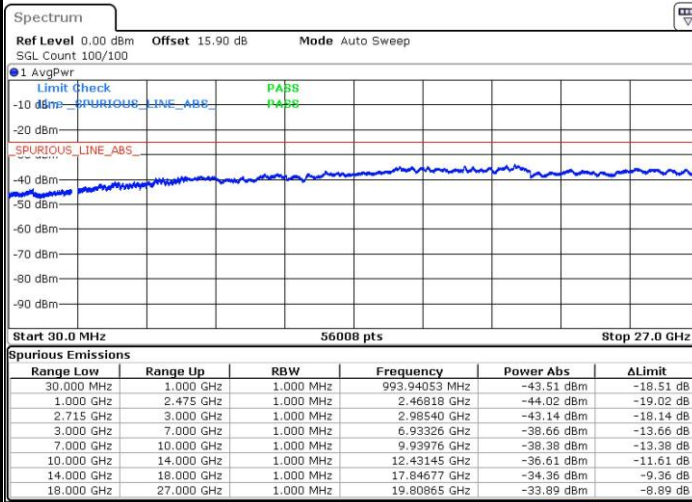


Date: 4 JAN 2019 17:13:24



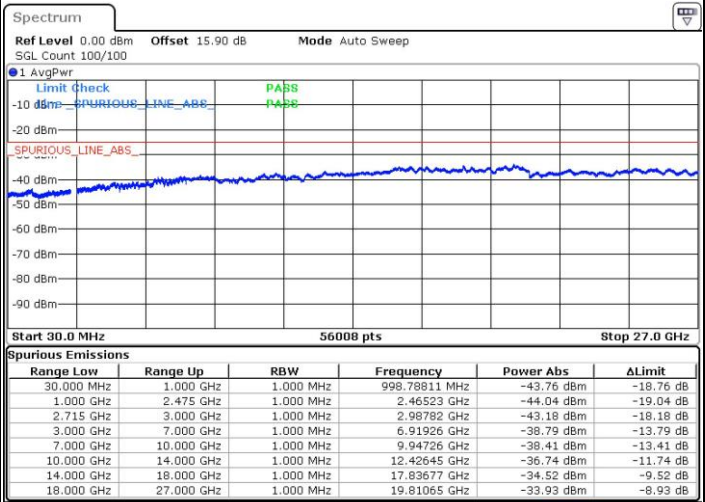
LTE Band 41 / 20MHz

Middle Channel / QPSK



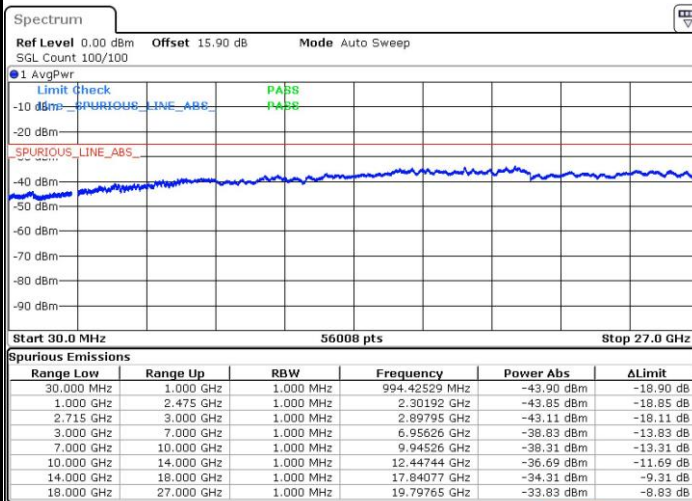
Date: 4 JAN 2019 17:14:24

Middle Channel / 16QAM



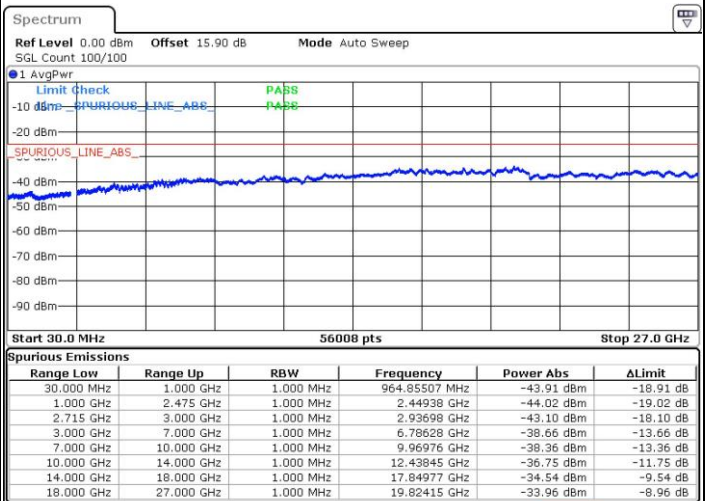
Date: 4 JAN 2019 17:15:25

Highest Channel / QPSK



Date: 4 JAN 2019 17:16:25

Highest Channel / 16QAM

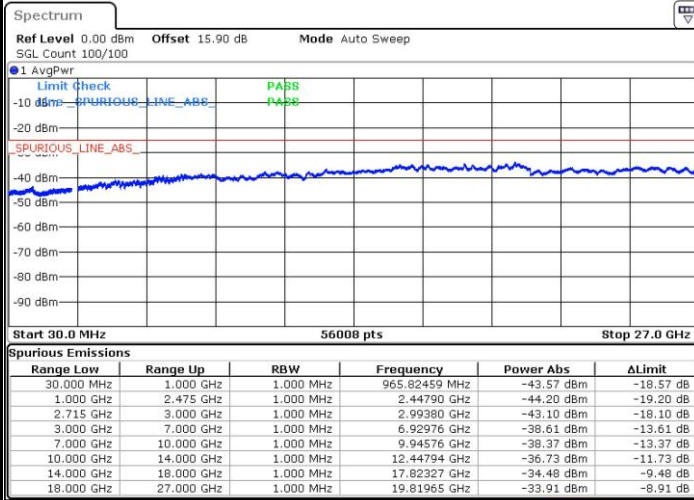


Date: 4 JAN 2019 17:17:25



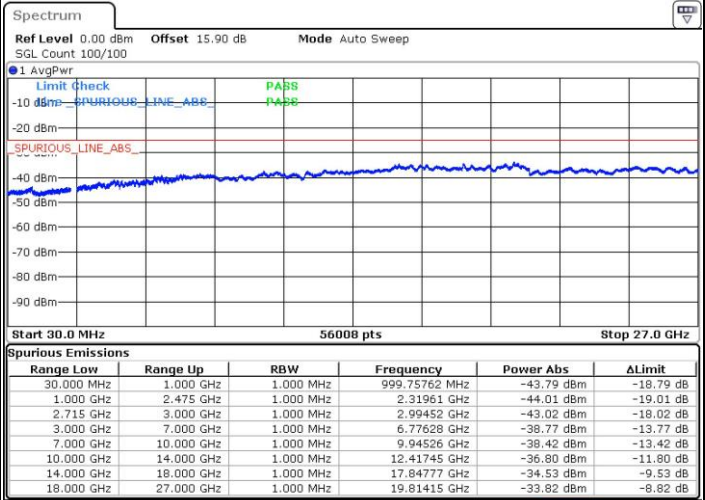
LTE Band 41 / 5MHz

Lowest Channel / 64QAM



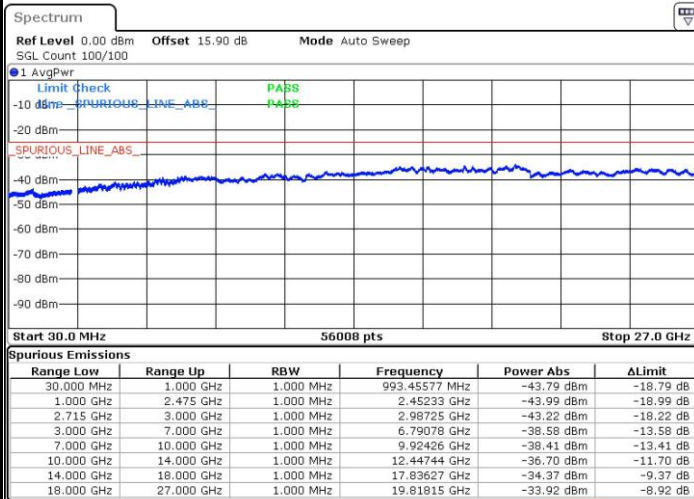
Date: 4 JAN 2019 16:42:11

Middle Channel / 64QAM



Date: 4 JAN 2019 16:43:11

Highest Channel / 64QAM

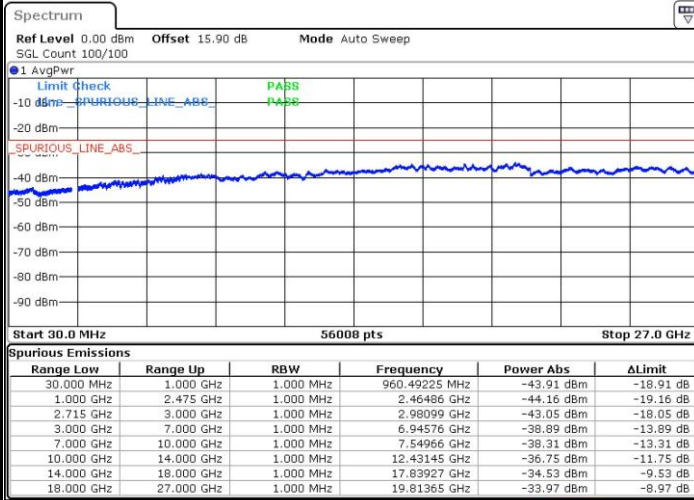


Date: 4 JAN 2019 16:44:12



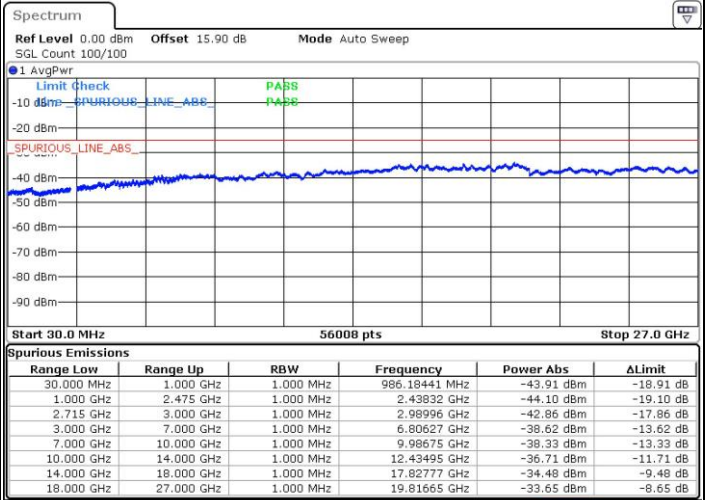
LTE Band 41 / 10MHz

Lowest Channel / 64QAM



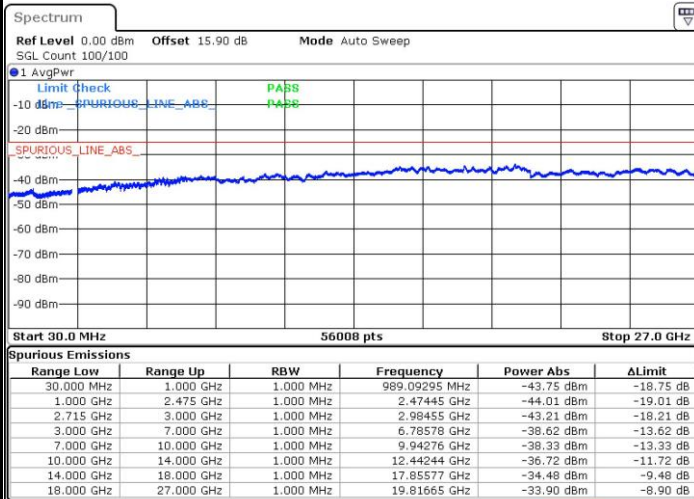
Date: 4 JAN 2019 16:45:12

Middle Channel / 64QAM



Date: 4 JAN 2019 16:46:12

Highest Channel / 64QAM

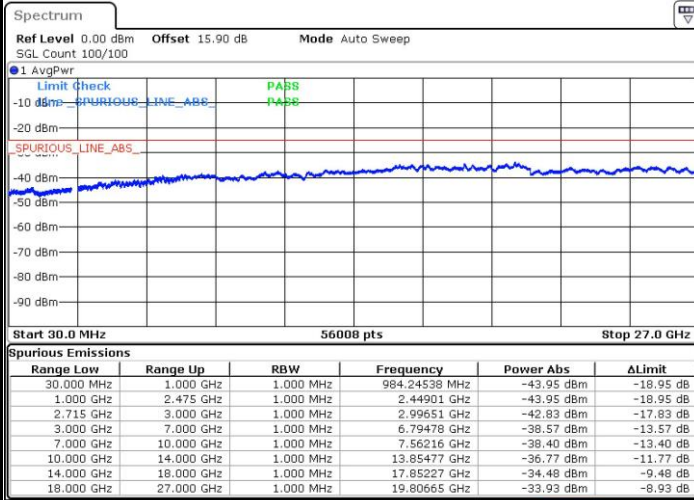


Date: 4 JAN 2019 16:47:13



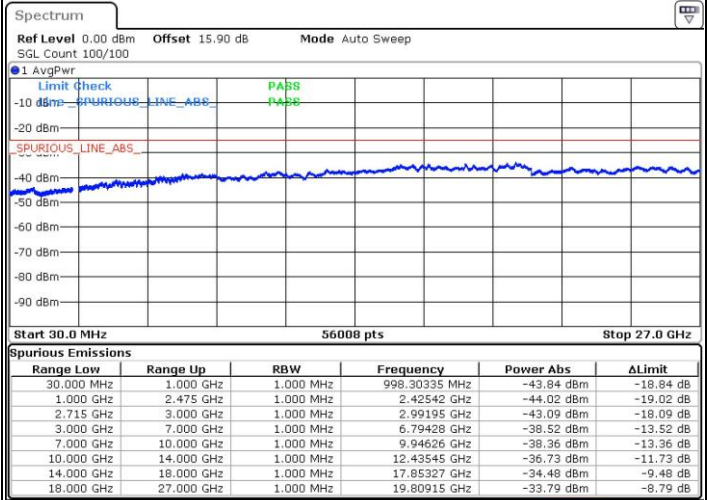
LTE Band 41 / 15MHz

Lowest Channel / 64QAM



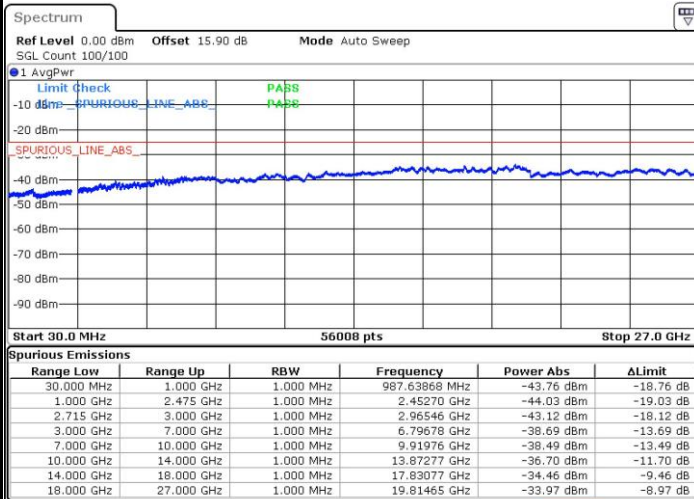
Date: 4 JAN 2019 16:48:13

Middle Channel / 64QAM



Date: 4 JAN 2019 16:49:14

Highest Channel / 64QAM

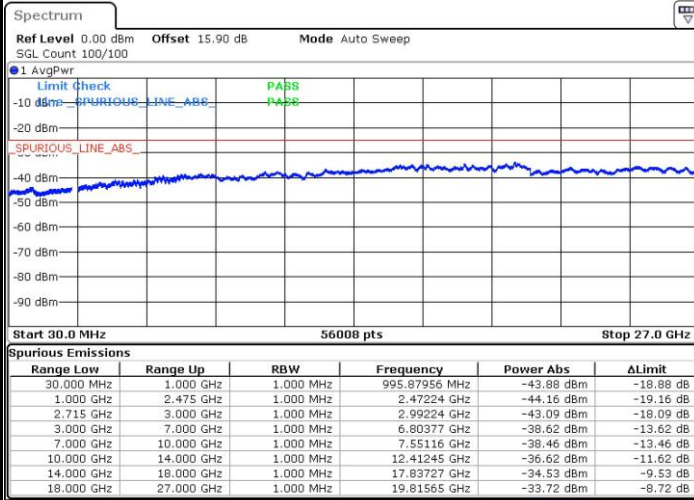


Date: 4 JAN 2019 16:50:14



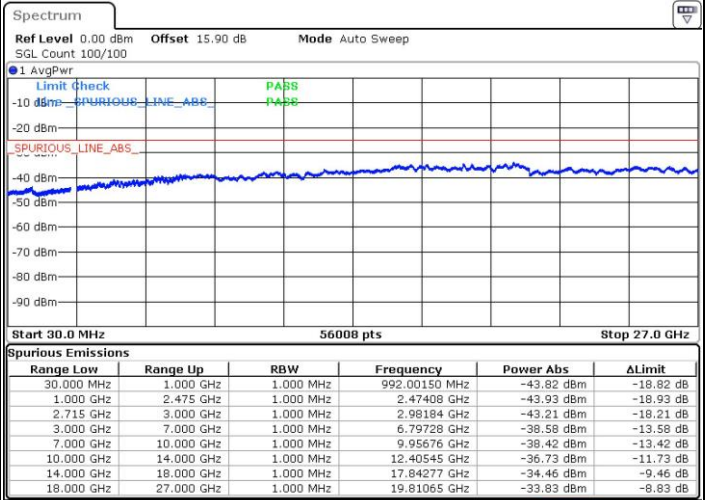
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



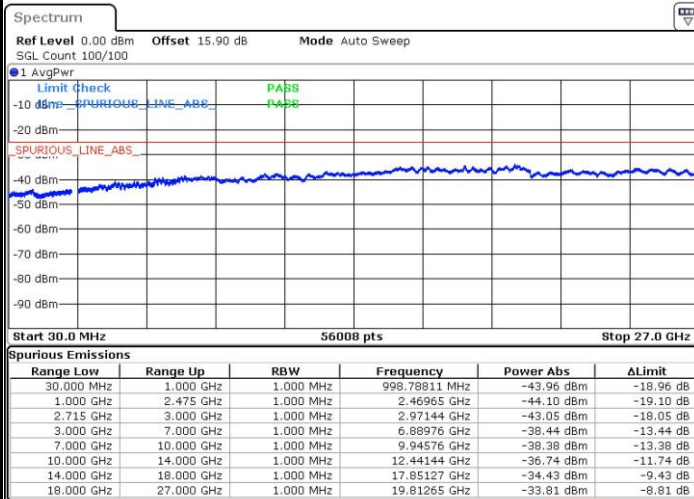
Date: 4 JAN 2019 16:51:14

Middle Channel / 64QAM



Date: 4 JAN 2019 16:52:15

Highest Channel / 64QAM



Date: 4 JAN 2019 16:53:15

Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0008	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0075	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0062	
-30	Normal Voltage	0.0037	
20	Maximum Voltage	0.0047	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41 CA

26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.73	25.23	30.15	25.43	30.69
Middle CH	24.77	25.23	30.03	25.23	30.75
Highest CH	24.93	25.38	29.79	25.43	30.63
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.97	25.07	30.03	34.90	39.80
Middle CH	35.17	24.93	30.09	34.83	39.88
Highest CH	34.90	25.02	30.03	34.97	39.96

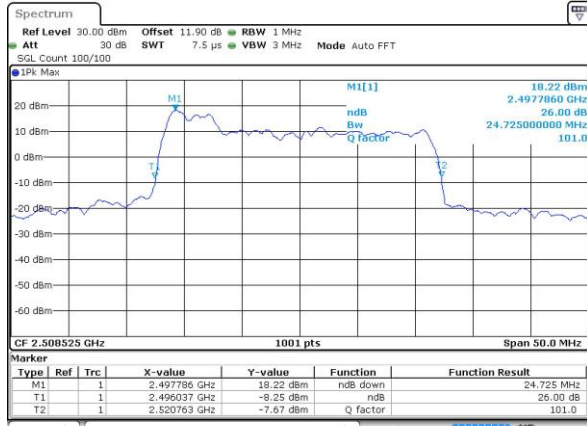
Mode	LTE Band 41 : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.88	25.27	30.03	25.18	30.57
Middle CH	24.98	25.07	29.97	25.18	30.45
Highest CH	25.92	25.27	30.03	25.38	30.63
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	35.03	24.88	30.03	34.90	39.96
Middle CH	34.83	24.93	29.91	34.97	39.72
Highest CH	35.03	25.07	29.97	35.03	39.88

Mode	LTE Band 41 : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.77	25.32	29.97	25.27	30.69
Middle CH	24.68	25.07	29.73	25.23	30.75
Highest CH	24.88	25.77	30.09	25.07	30.51
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.97	24.82	30.03	35.03	39.96
Middle CH	34.97	24.93	30.15	34.97	39.96
Highest CH	34.76	26.02	29.97	34.83	40.04



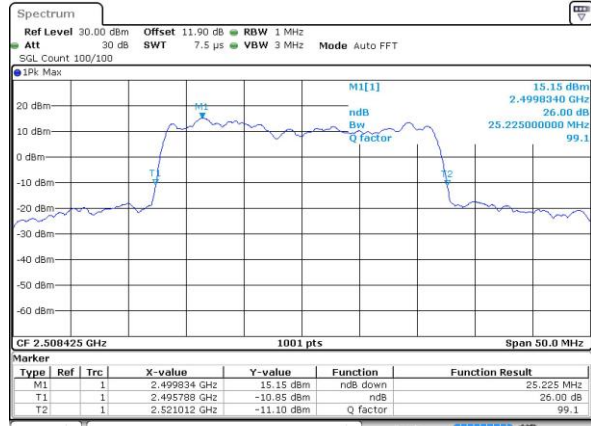
LTE Band 41 / QPSK

Lowest Channel / 5MHz+20MHz



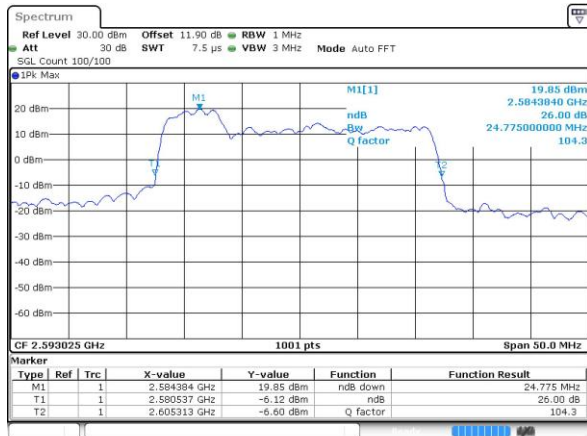
Date: 12 FEB 2019 19:01:12

Lowest Channel / 10MHz+15MHz



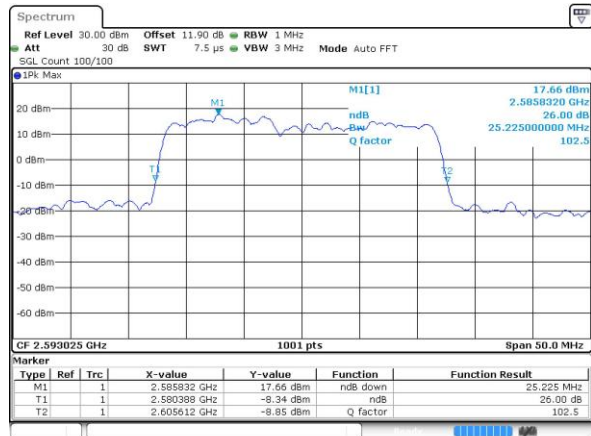
Date: 12 FEB 2019 19:44:27

Middle Channel / 5MHz+20MHz



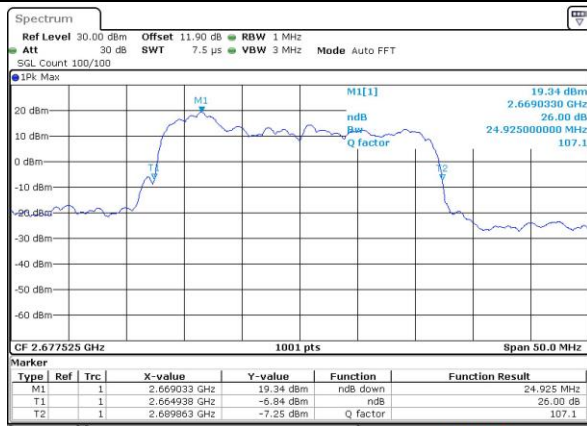
Date: 12 FEB 2019 19:05:48

Middle Channel / 10MHz+15MHz



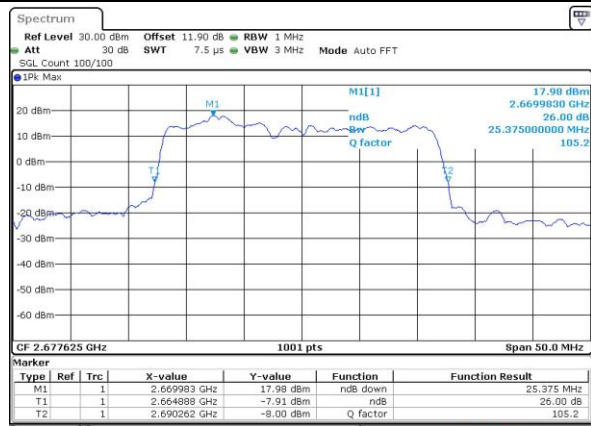
Date: 12 FEB 2019 19:49:41

Highest Channel / 5MHz+20MHz



Date: 12 FEB 2019 19:18:18

Highest Channel / 10MHz+15MHz

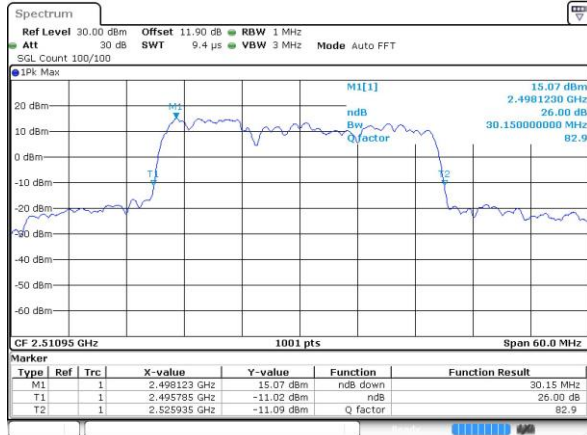


Date: 12 FEB 2019 19:53:29



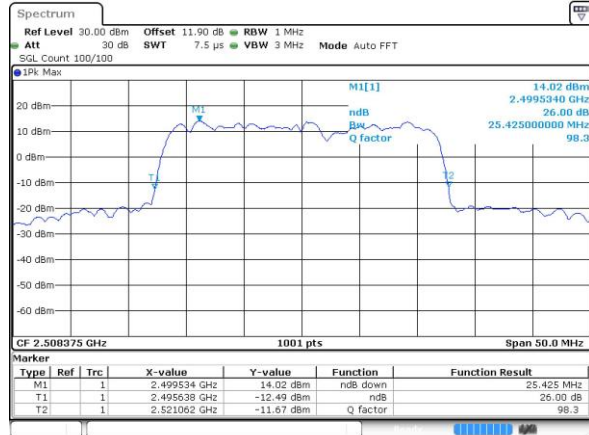
LTE Band 41 / QPSK

Lowest Channel / 10MHz+20MHz



Date: 12 FEB 2019 20:26:53

Lowest Channel / 15MHz+10MHz



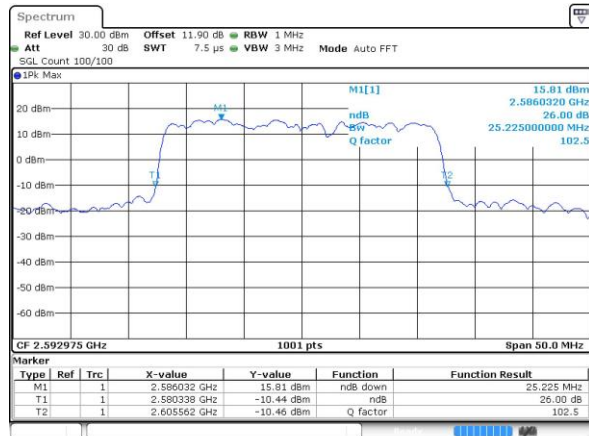
Date: 12 FEB 2019 20:00:48

Middle Channel / 10MHz+20MHz



Date: 12 FEB 2019 20:33:57

Middle Channel / 15MHz+10MHz



Date: 12 FEB 2019 20:12:15

Highest Channel / 10MHz+20MHz



Date: 12 FEB 2019 20:38:37

Highest Channel / 15MHz+10MHz

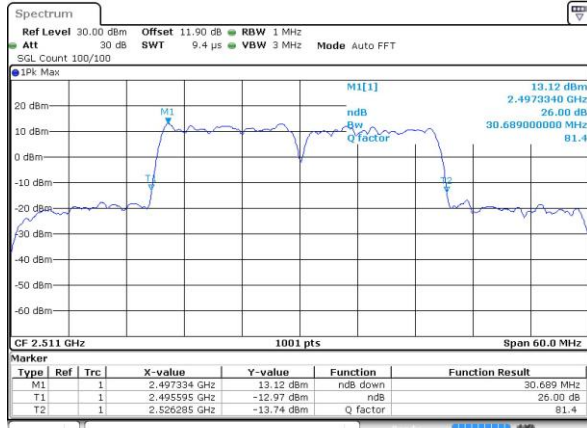


Date: 12 FEB 2019 20:15:01



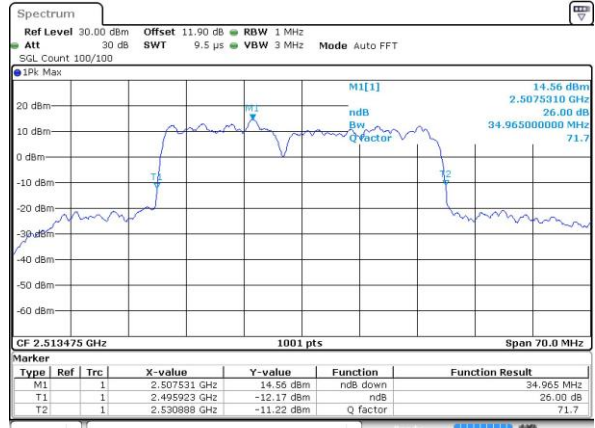
LTE Band 41 / QPSK

Lowest Channel / 15MHz+15MHz



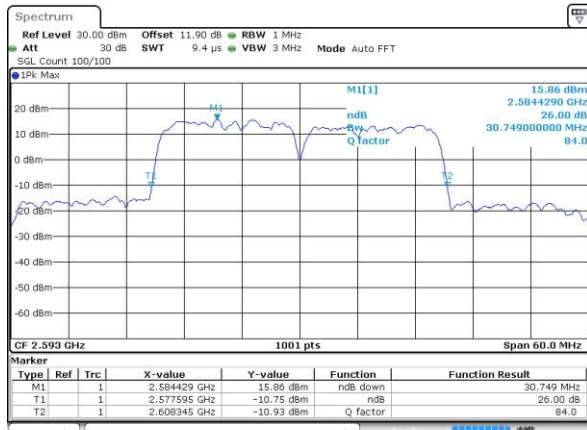
Date: 12 FEB 2019 21:20:44

Lowest Channel / 15MHz+20MHz



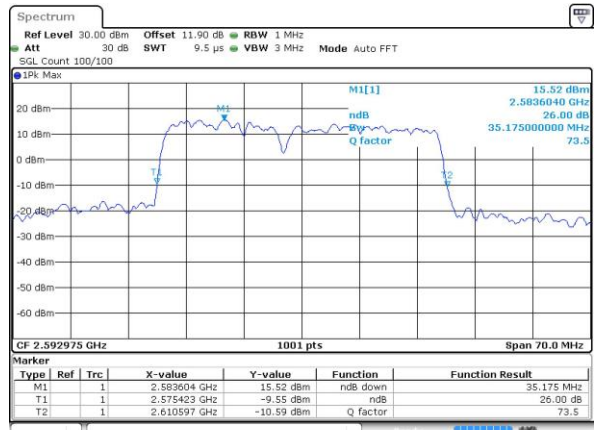
Date: 12 FEB 2019 21:40:40

Middle Channel / 15MHz+15MHz



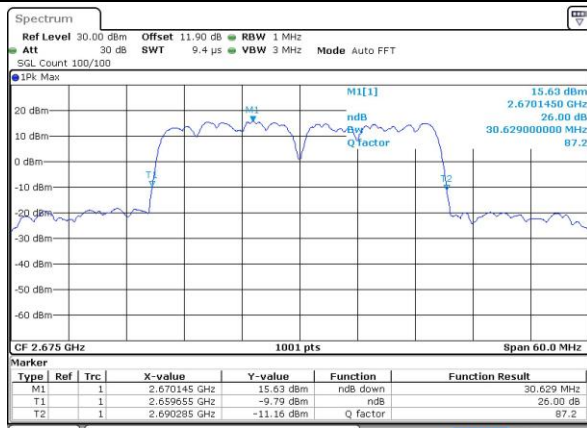
Date: 12 FEB 2019 21:29:33

Middle Channel / 15MHz+20MHz



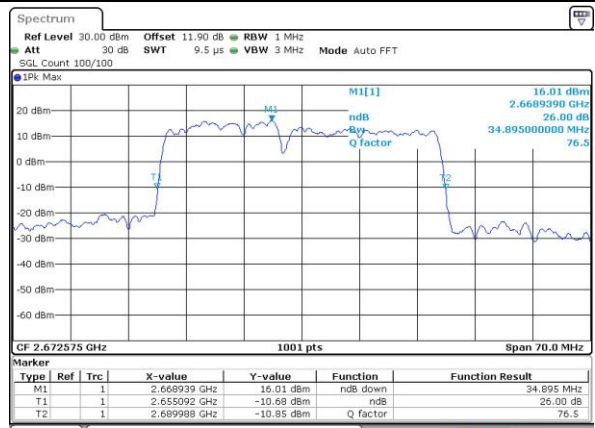
Date: 12 FEB 2019 21:44:04

Highest Channel / 15MHz+15MHz



Date: 12 FEB 2019 21:33:00

Highest Channel / 15MHz+20MHz

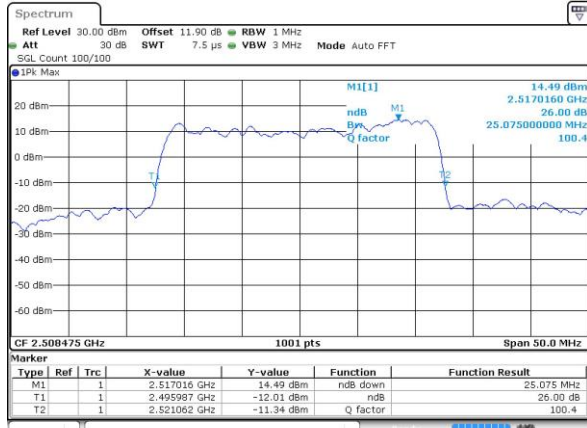


Date: 12 FEB 2019 21:50:18

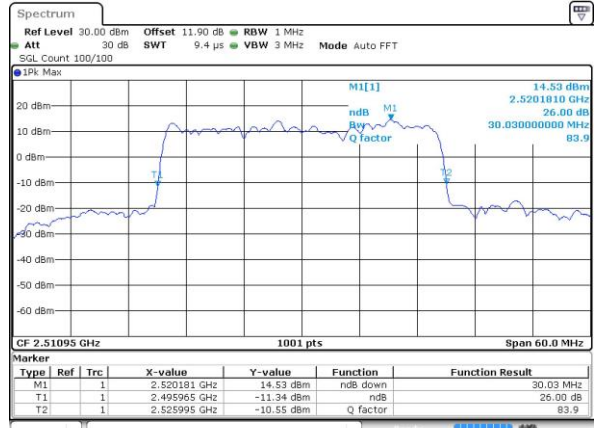


LTE Band 41 / QPSK

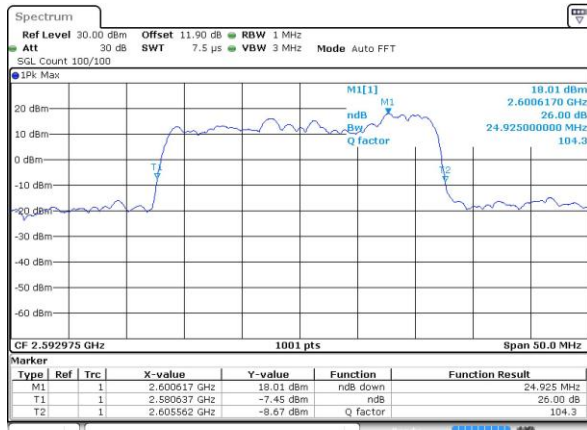
Lowest Channel / 20MHz+5MHz



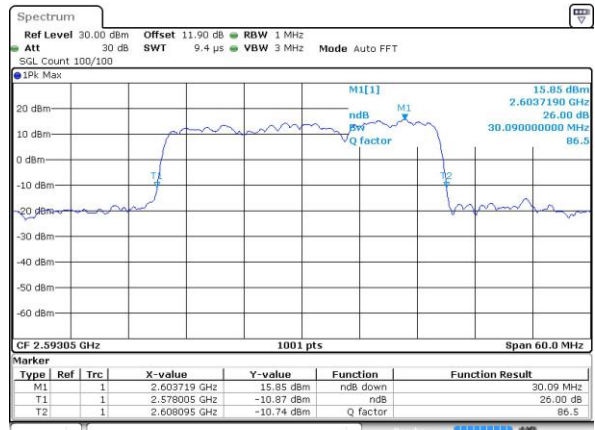
Lowest Channel / 20MHz+10MHz



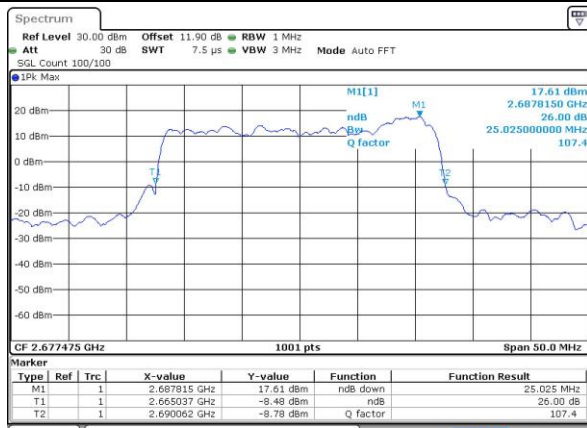
Middle Channel / 20MHz+5MHz



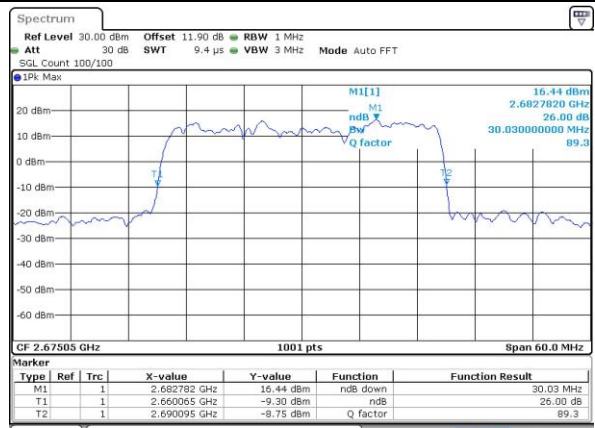
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



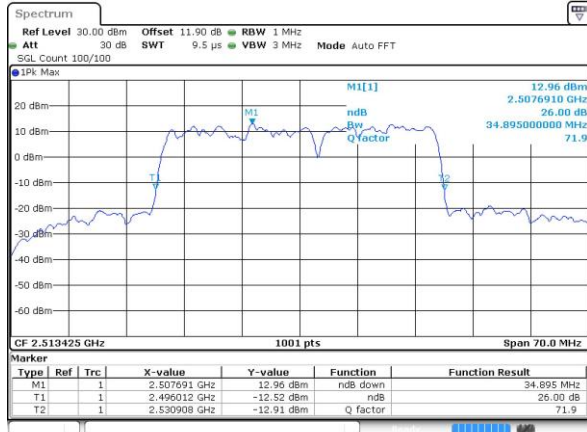
Highest Channel / 20MHz+10MHz





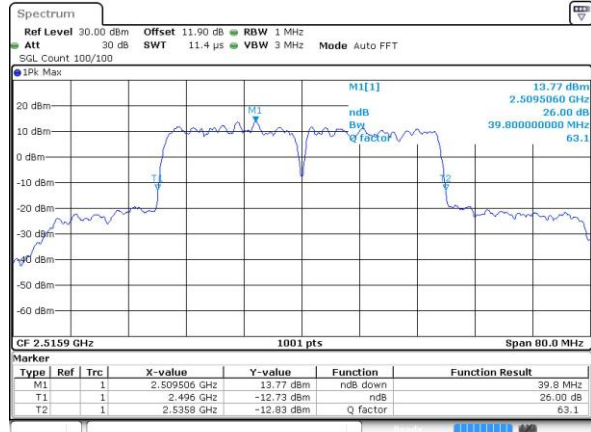
LTE Band 41 / QPSK

Lowest Channel / 20MHz+15MHz



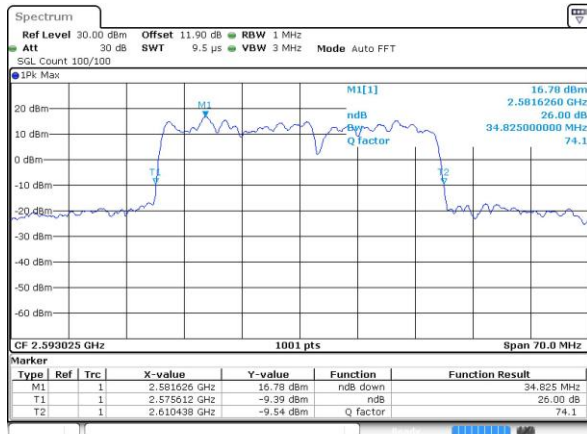
Date: 12 FEB 2019 21:57:30

Lowest Channel / 20MHz+20MHz



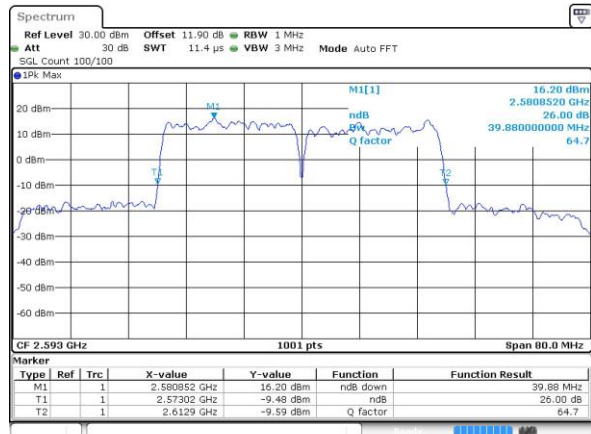
Date: 12 FEB 2019 22:16:08

Middle Channel / 20MHz+15MHz



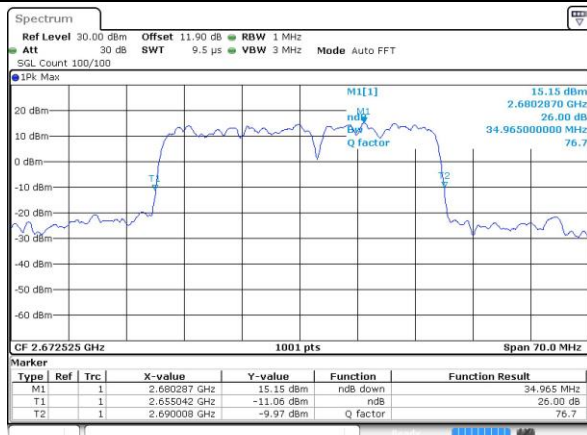
Date: 12 FEB 2019 22:01:27

Middle Channel / 20MHz+20MHz



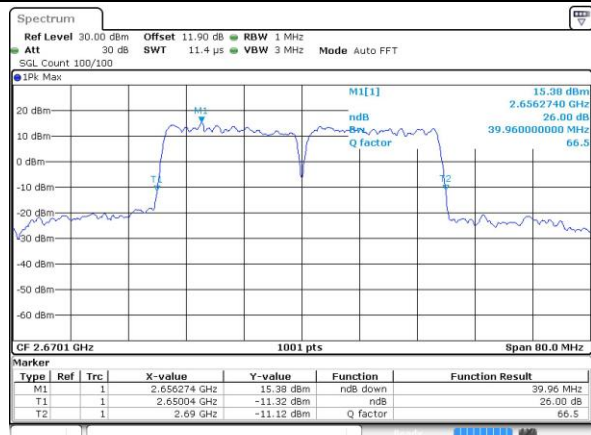
Date: 12 FEB 2019 22:23:28

Highest Channel / 20MHz+15MHz



Date: 12 FEB 2019 22:09:32

Highest Channel / 20MHz+20MHz

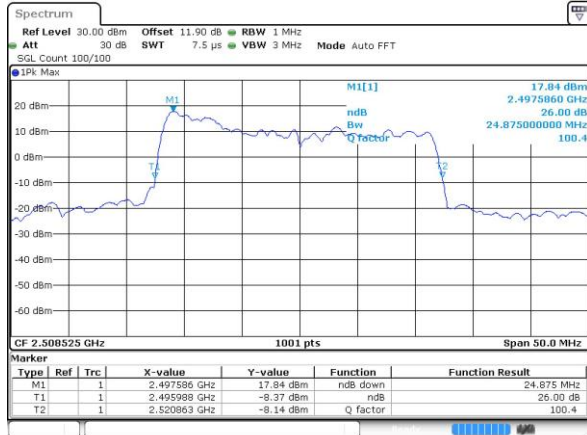


Date: 12 FEB 2019 22:37:49



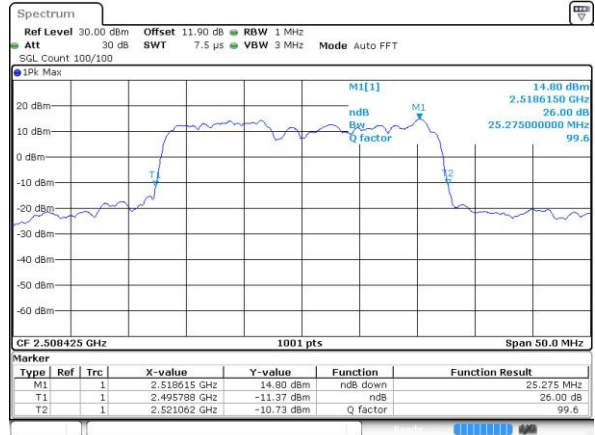
LTE Band 41 / 16QAM

Lowest Channel / 5MHz+20MHz



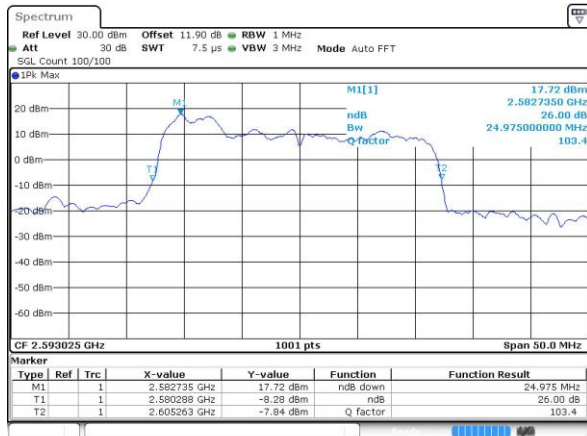
Date: 12 FEB 2019 19:00:49

Lowest Channel / 10MHz+15MHz



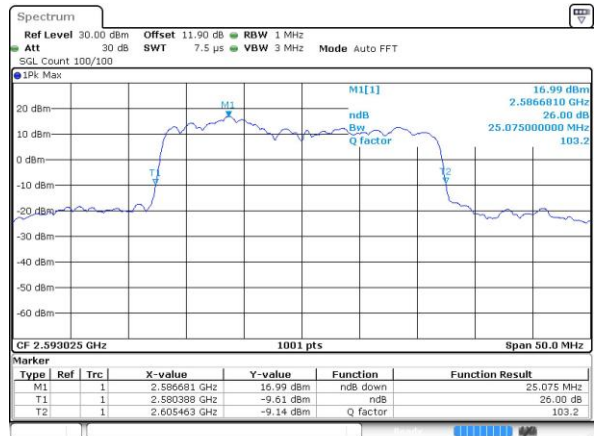
Date: 12 FEB 2019 19:44:04

Middle Channel / 5MHz+20MHz



Date: 12 FEB 2019 19:05:25

Middle Channel / 10MHz+15MHz



Date: 12 FEB 2019 19:49:19

Highest Channel / 5MHz+20MHz



Date: 12 FEB 2019 19:18:41

Highest Channel / 10MHz+15MHz

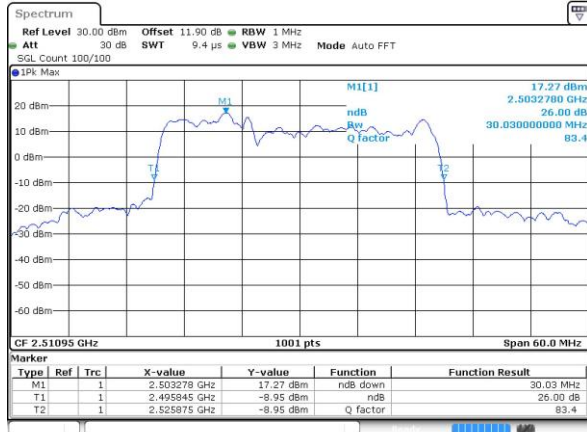


Date: 12 FEB 2019 19:53:52

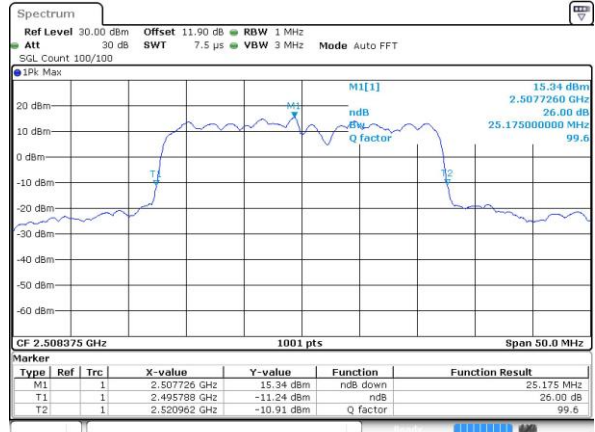


LTE Band 41 / 16QAM

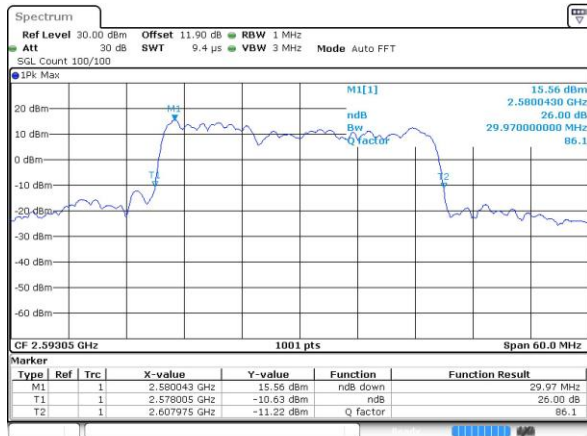
Lowest Channel / 10MHz+20MHz



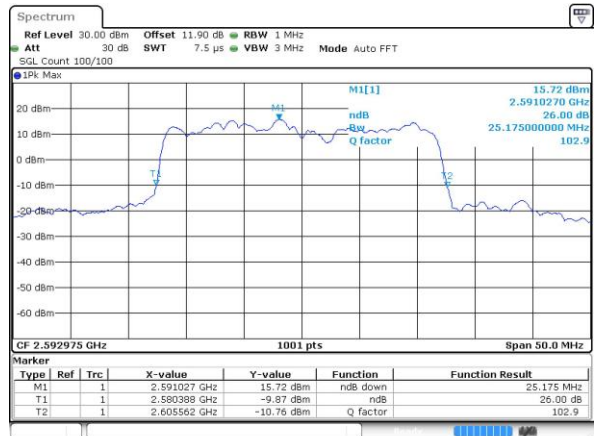
Lowest Channel / 15MHz+10MHz



Middle Channel / 10MHz+20MHz



Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



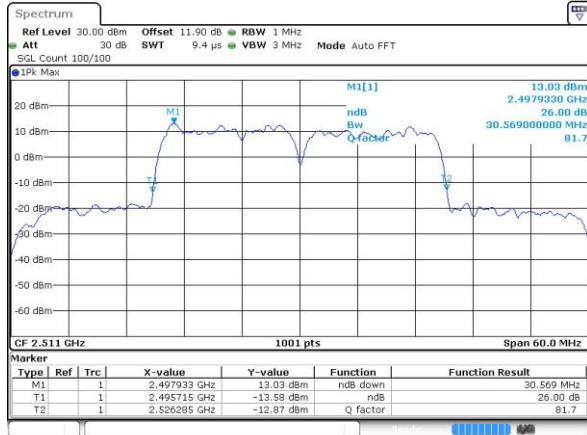
Highest Channel / 15MHz+10MHz





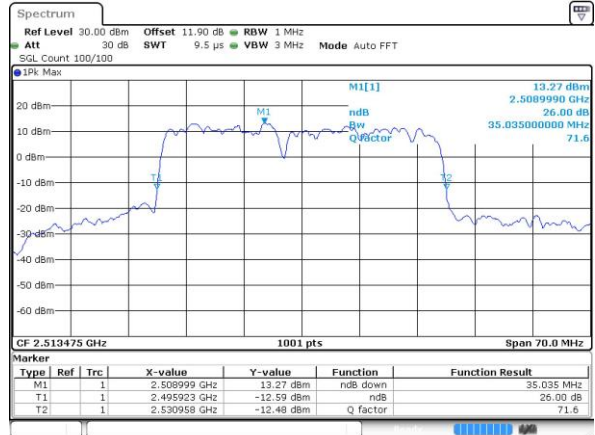
LTE Band 41 / 16QAM

Lowest Channel / 15MHz+15MHz



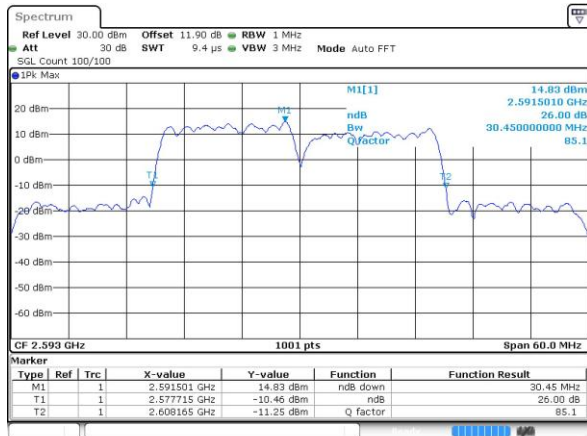
Date: 12 FEB 2019 21:20:21

Lowest Channel / 15MHz+20MHz



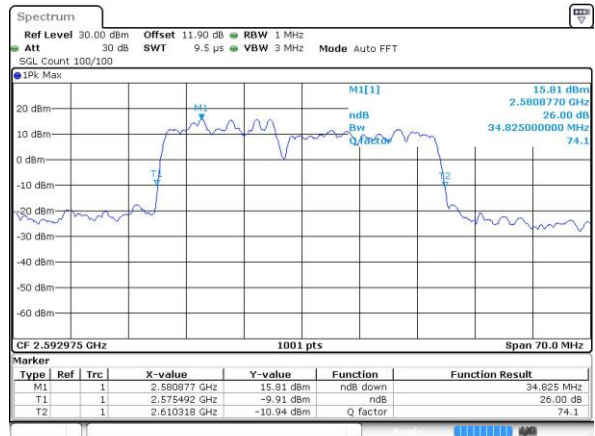
Date: 12 FEB 2019 21:40:17

Middle Channel / 15MHz+15MHz



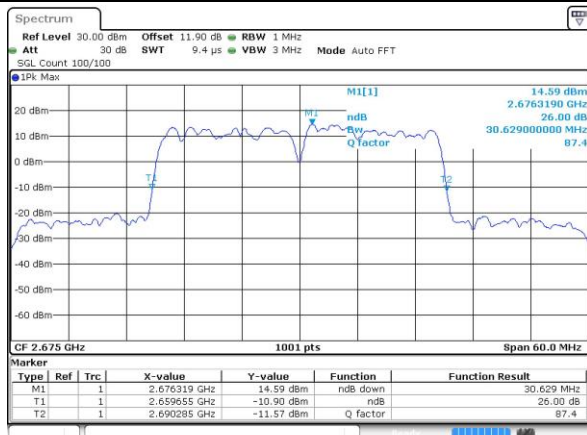
Date: 12 FEB 2019 21:29:10

Middle Channel / 15MHz+20MHz



Date: 12 FEB 2019 21:43:41

Highest Channel / 15MHz+15MHz



Date: 12 FEB 2019 21:33:23

Highest Channel / 15MHz+20MHz

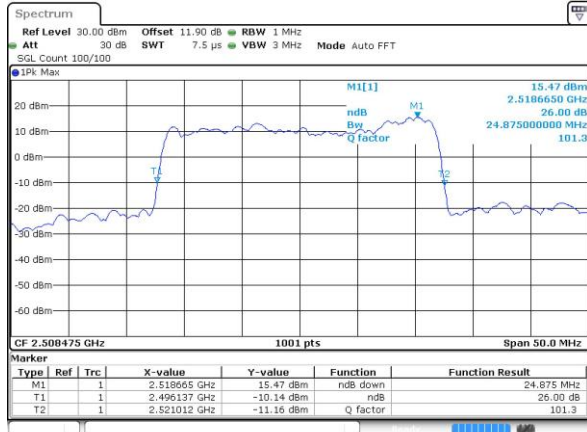


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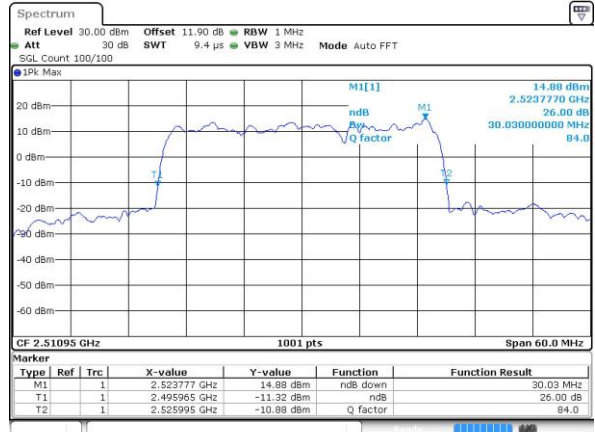


LTE Band 41 / 16QAM

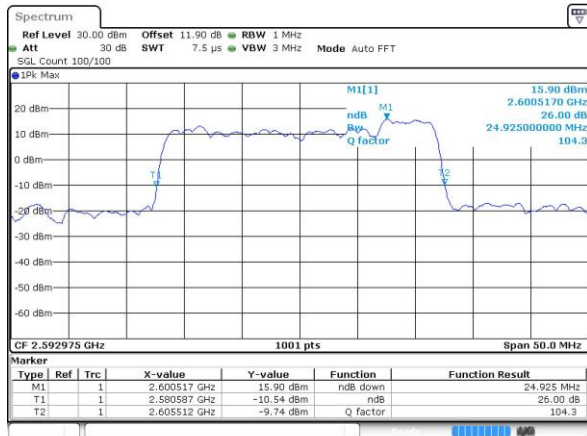
Lowest Channel / 20MHz+5MHz



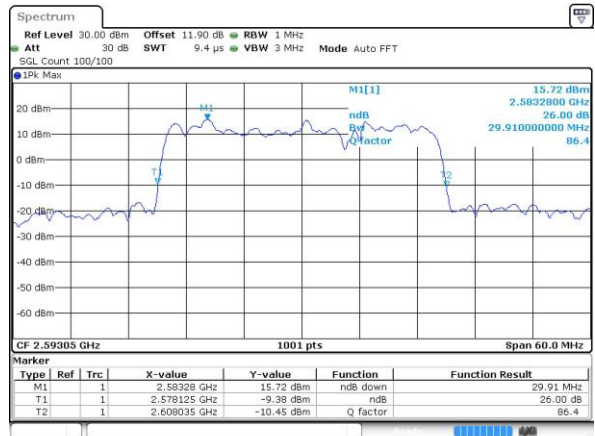
Lowest Channel / 20MHz+10MHz



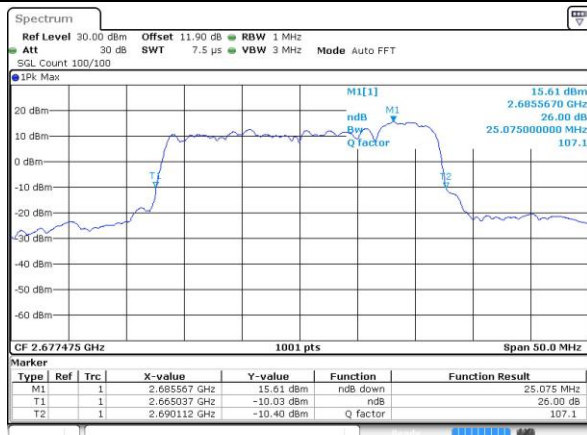
Middle Channel / 20MHz+5MHz



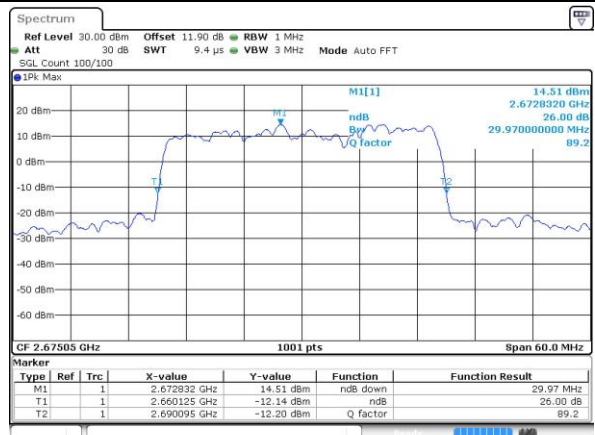
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



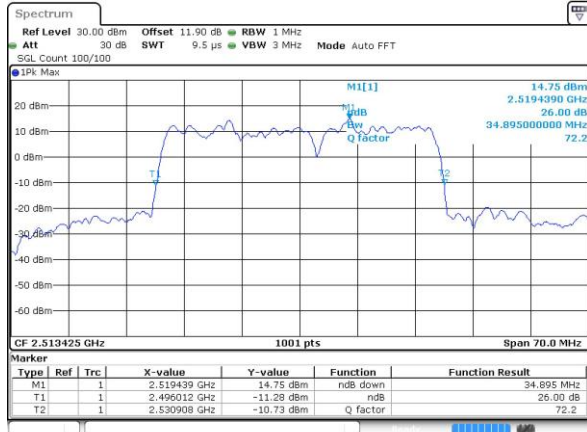
Highest Channel / 20MHz+10MHz



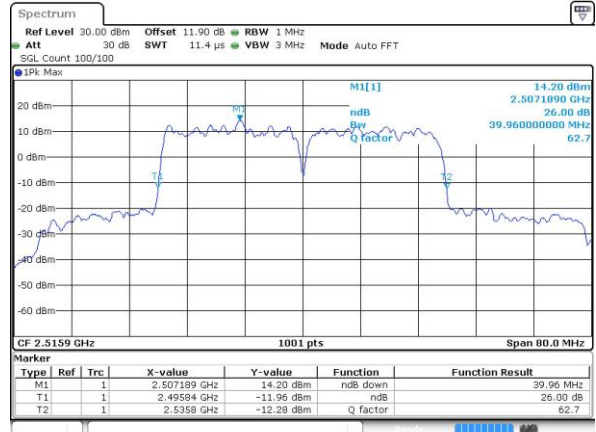


LTE Band 41 / 16QAM

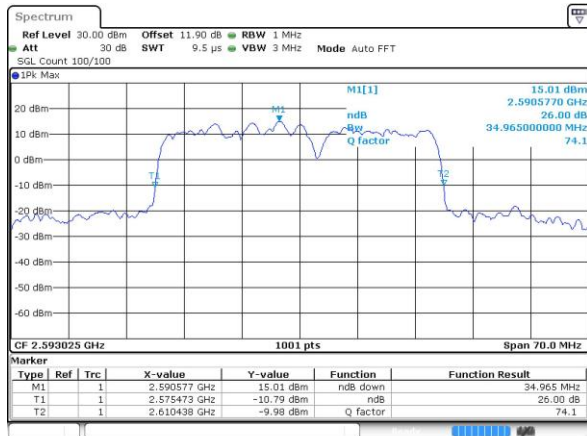
Lowest Channel / 20MHz+15MHz



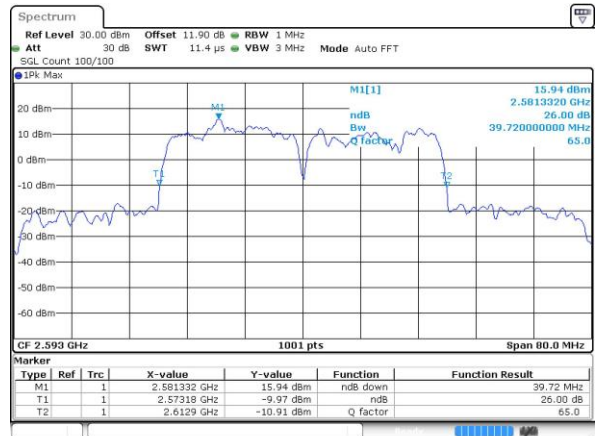
Lowest Channel / 20MHz+20MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz



Highest Channel / 20MHz+15MHz



Highest Channel / 20MHz+20MHz

