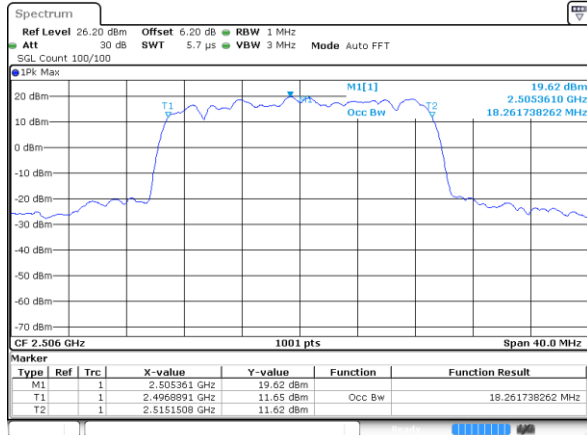


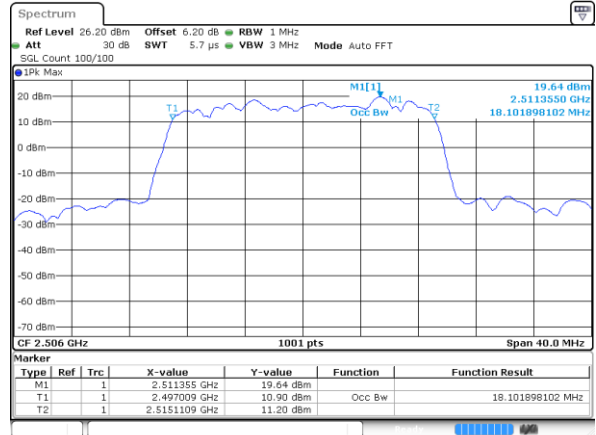


LTE Band 41

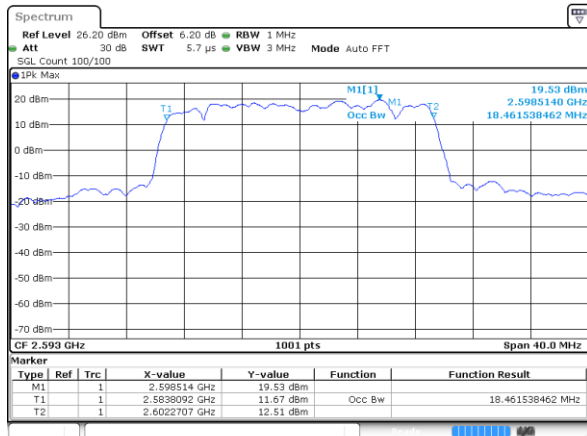
Lowest Channel / 20MHz / QPSK



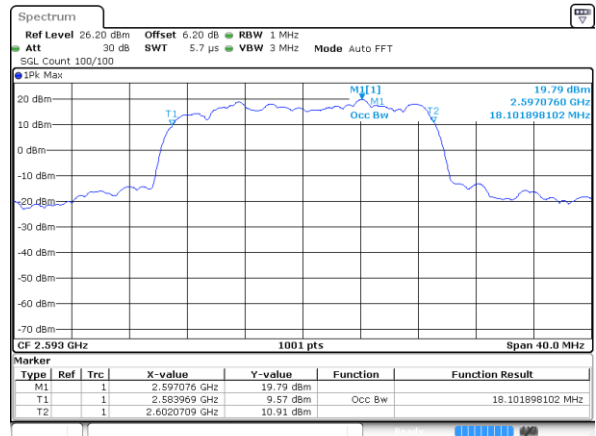
Lowest Channel / 20MHz / 16QAM



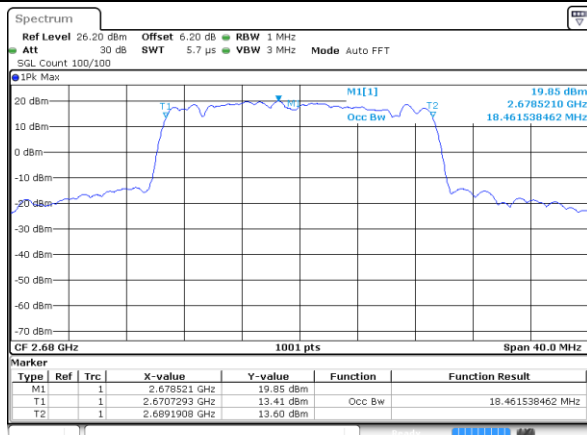
Middle Channel / 20MHz / QPSK



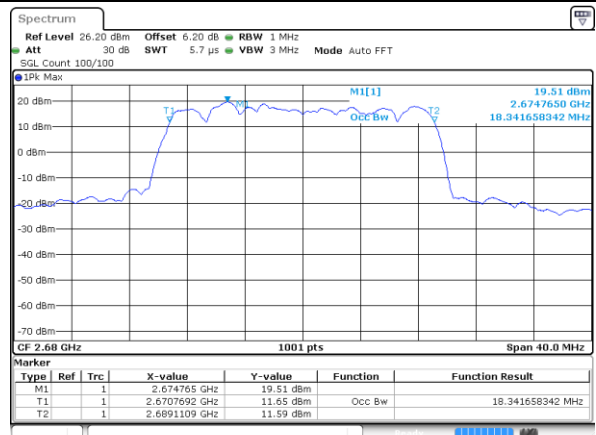
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM





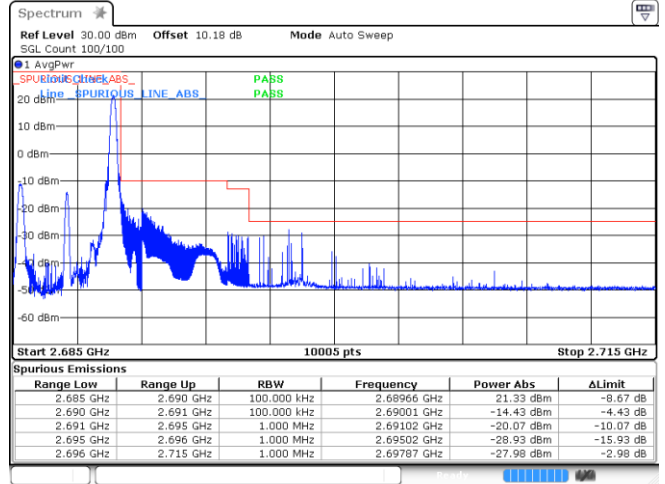
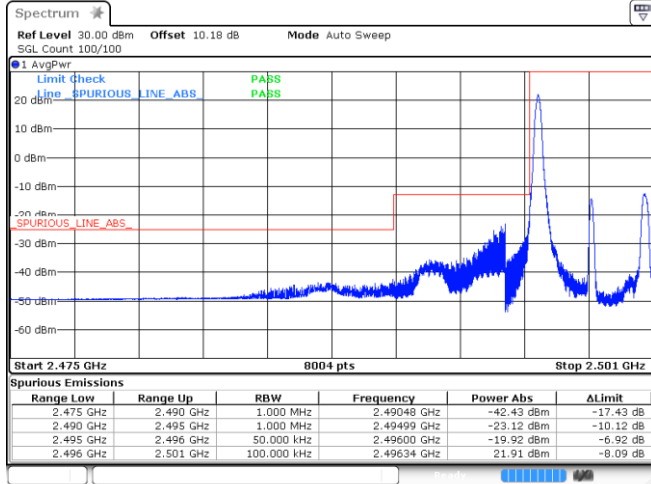
Conducted Band Edge



LTE Band 41 / 5MHz / QPSK

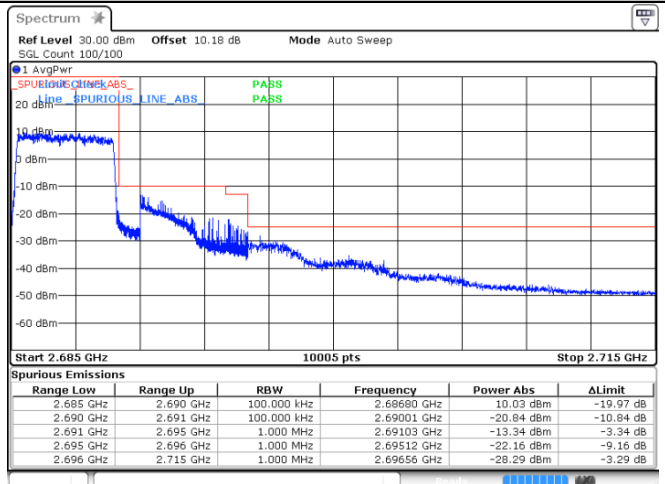
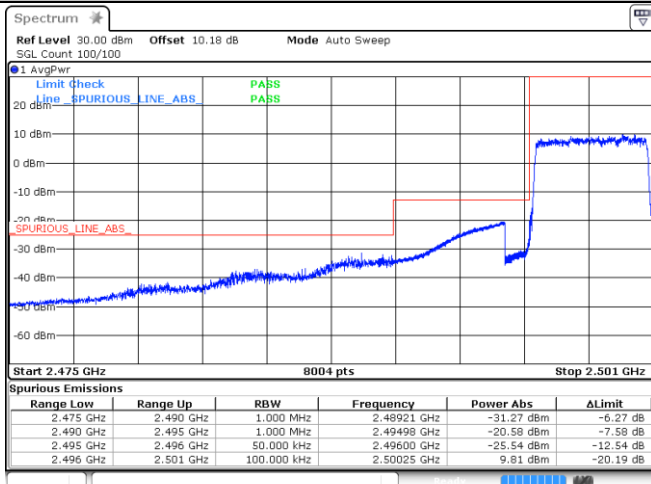
Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

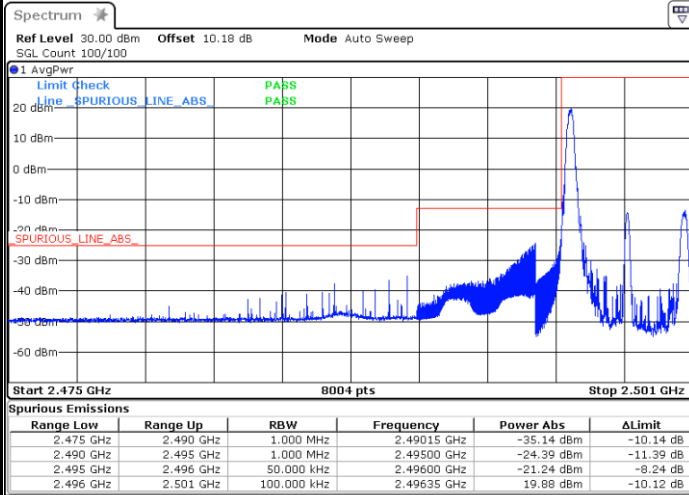
Highest Band Edge / Full RB



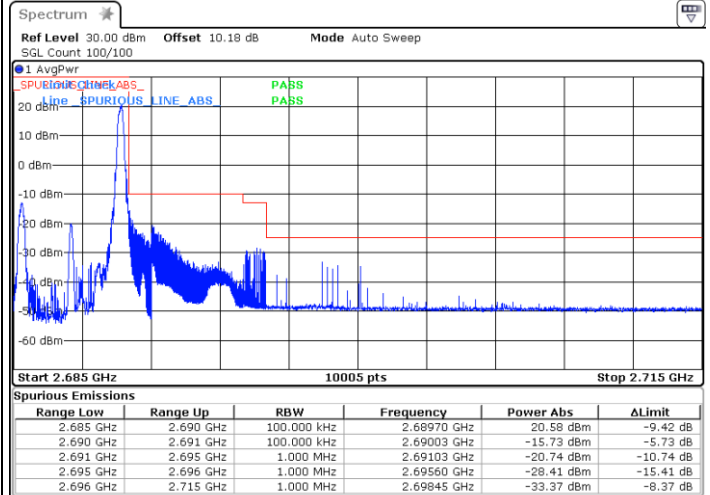


LTE Band 41 / 5MHz / 16QAM

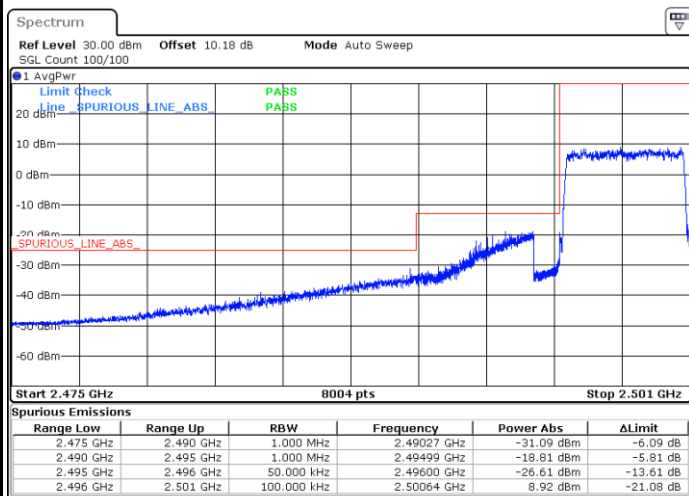
Lowest Band Edge / 1RB



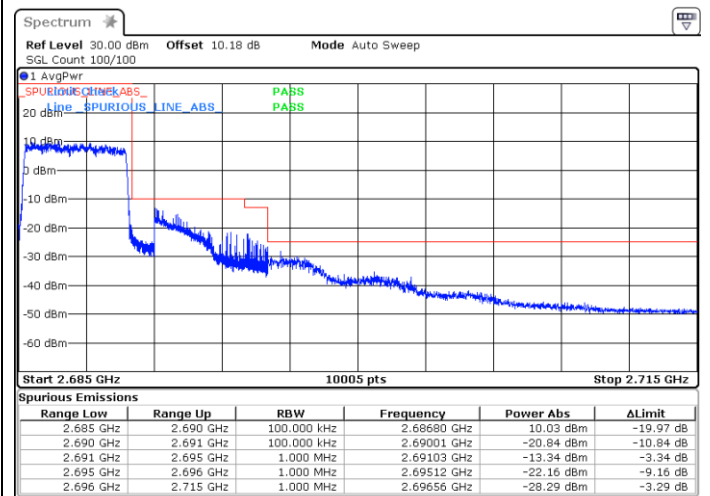
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



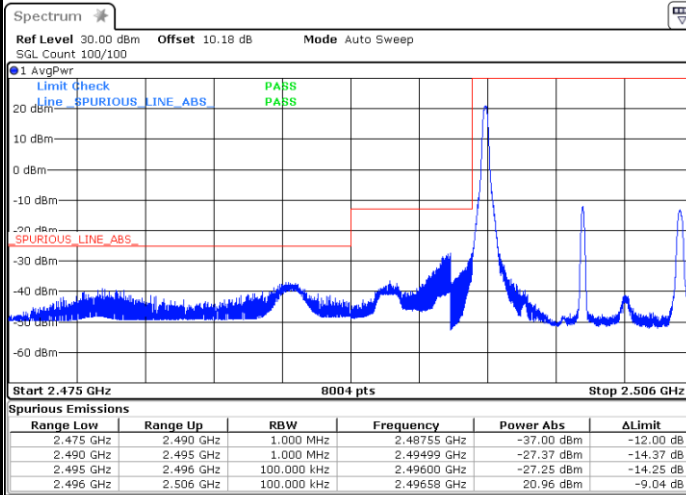
Highest Band Edge / Full RB



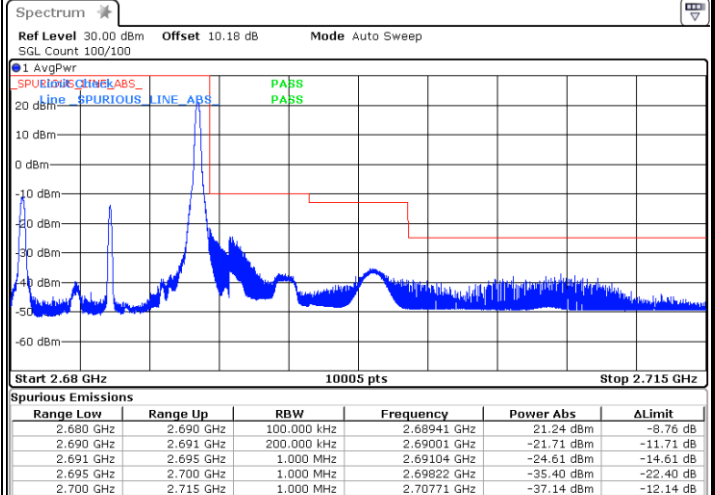


LTE Band 41 / 10MHz / QPSK

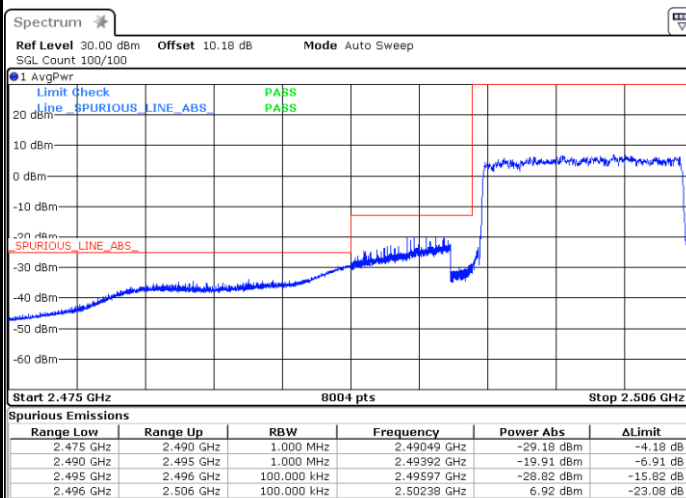
Lowest Band Edge / 1 RB



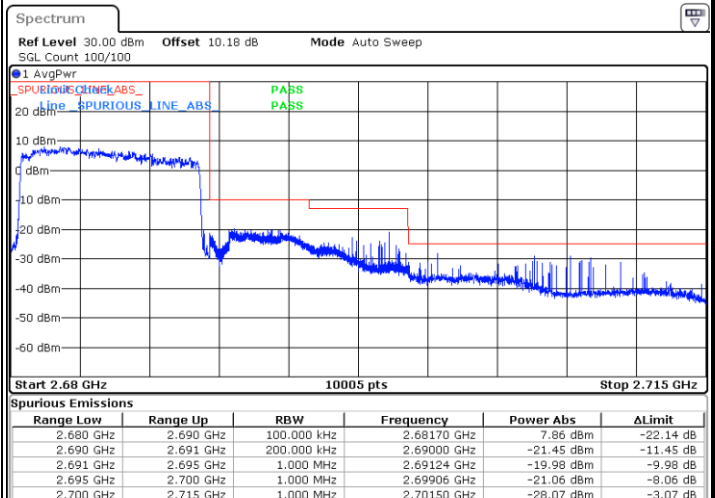
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



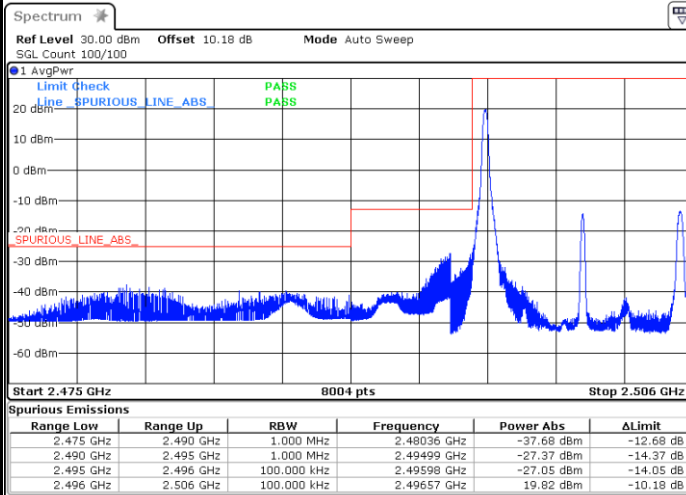
Highest Band Edge / Full RB



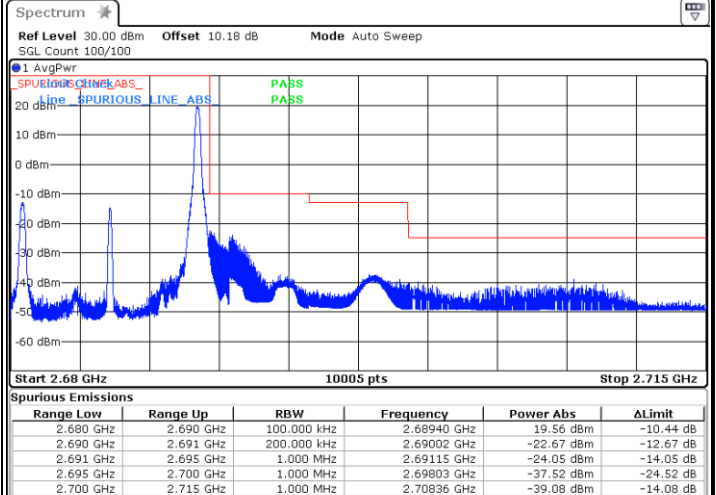


LTE Band 41 / 10MHz / 16QAM

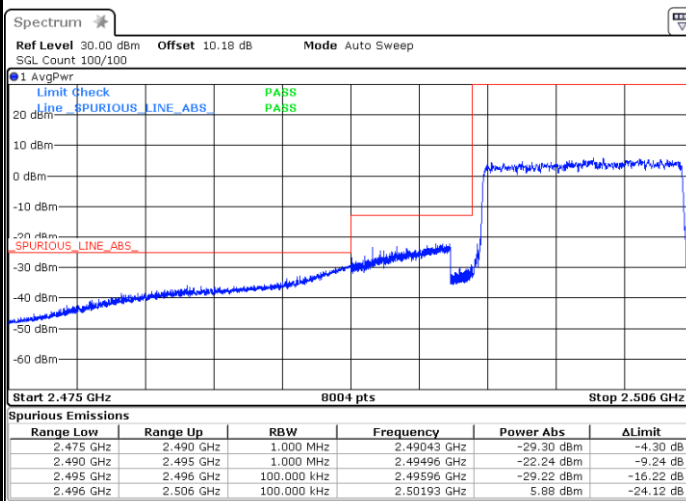
Lowest Band Edge / 1 RB



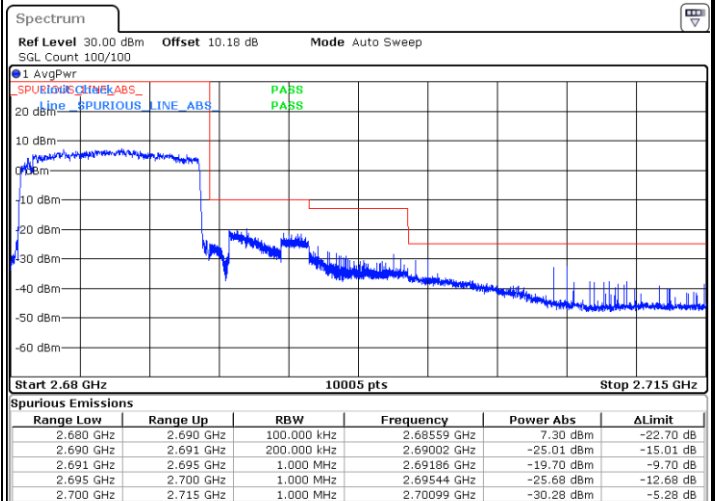
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



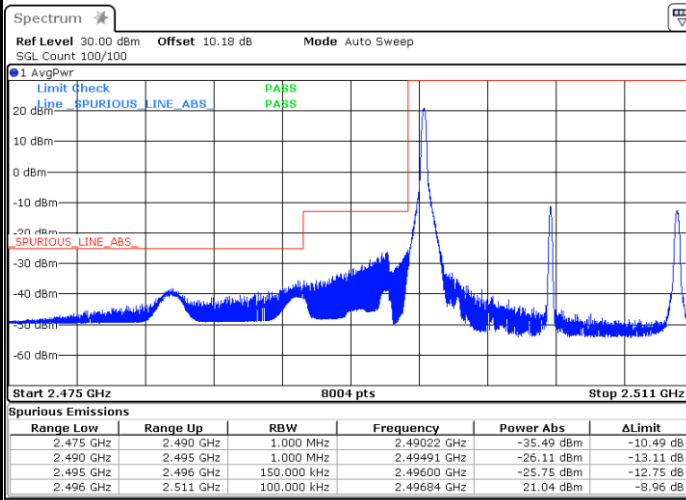
Highest Band Edge / Full RB



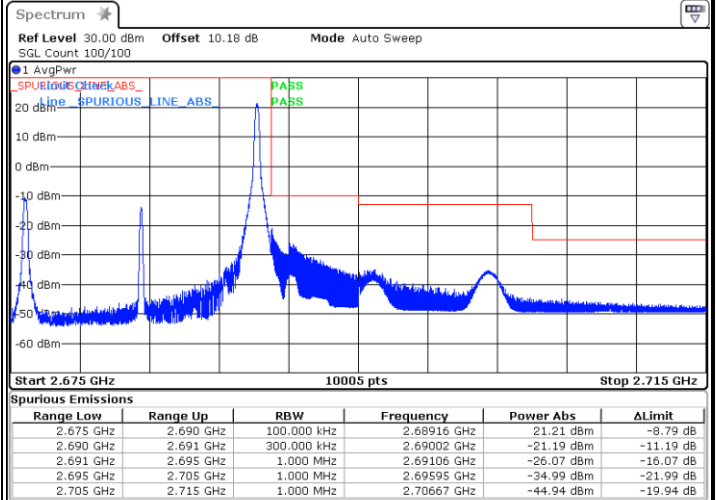


LTE Band 41 / 15MHz / QPSK

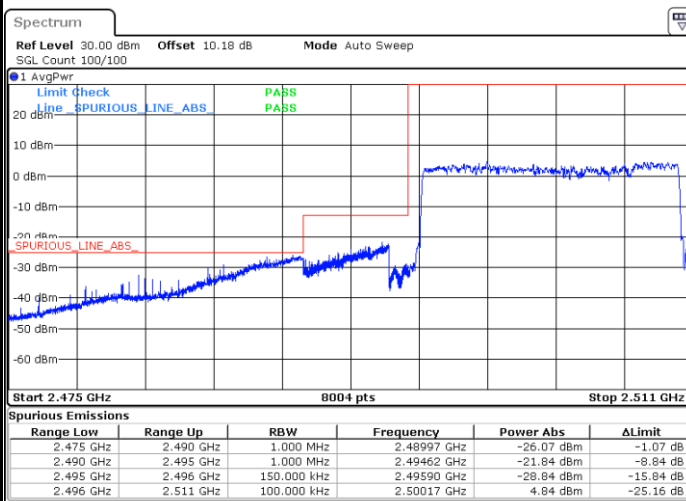
Lowest Band Edge / 1 RB



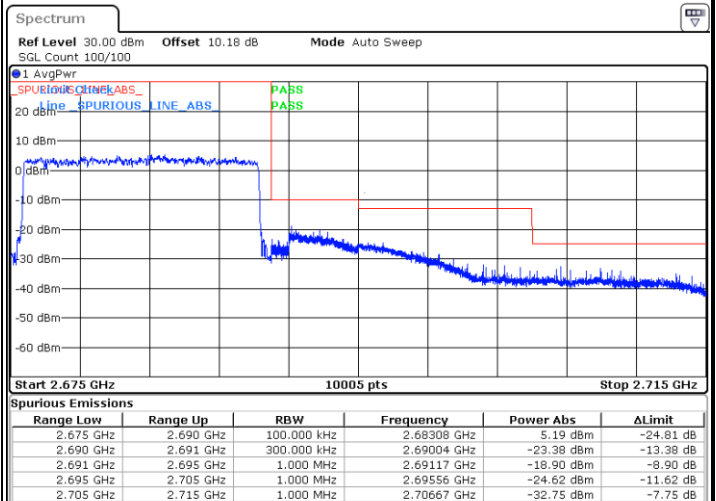
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



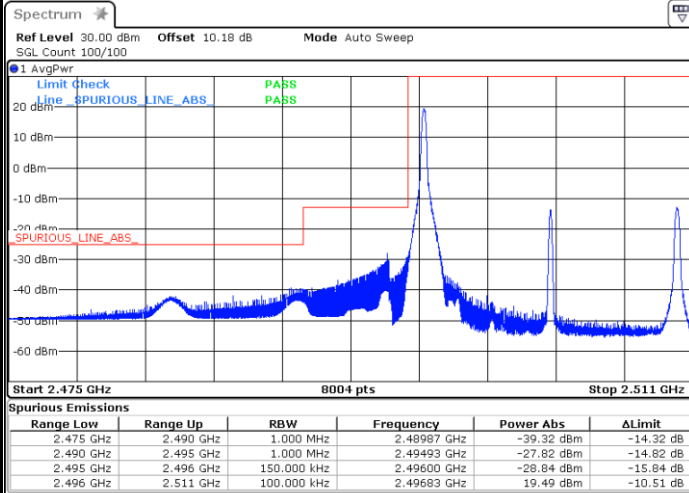
Highest Band Edge / Full RB



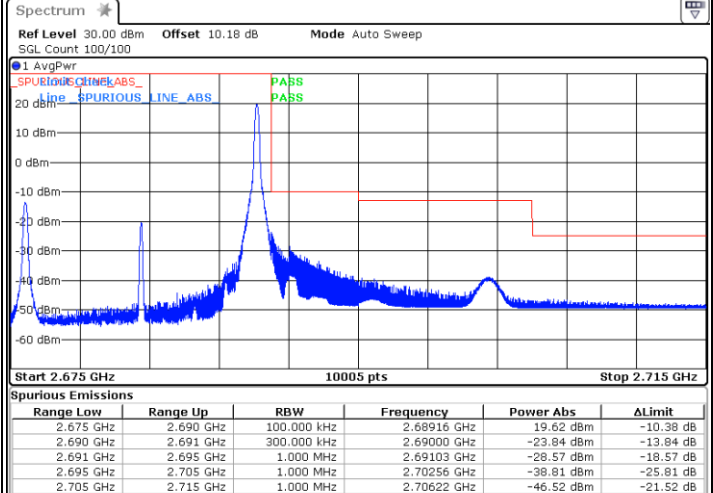


LTE Band 41 / 15MHz / 16QAM

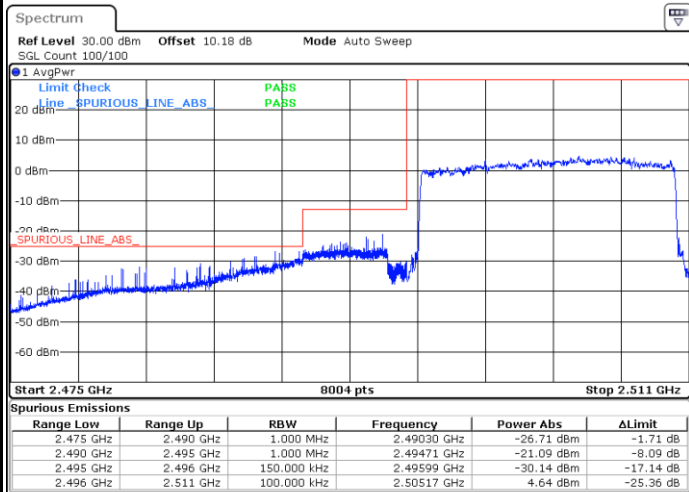
Lowest Band Edge / 1 RB



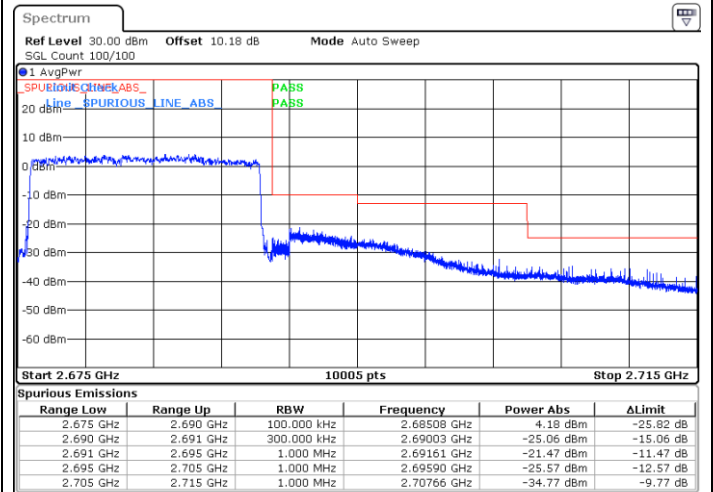
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



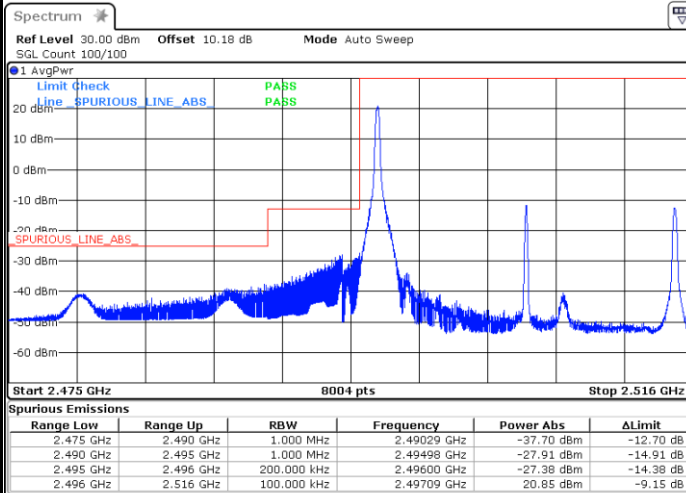
Highest Band Edge / Full RB



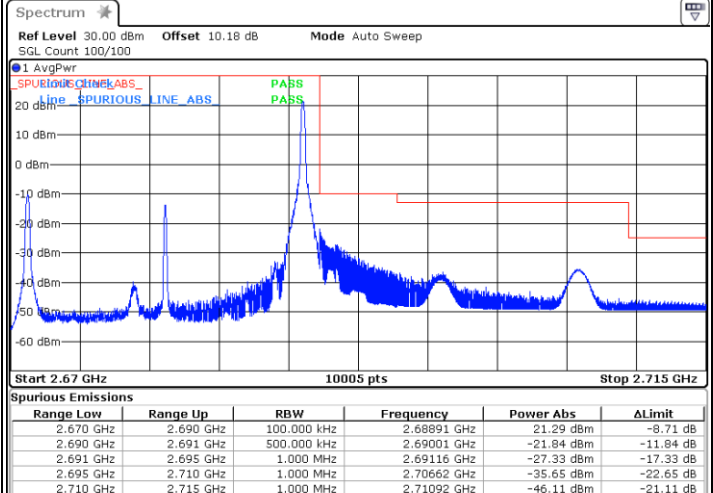


LTE Band 41 / 20MHz / QPSK

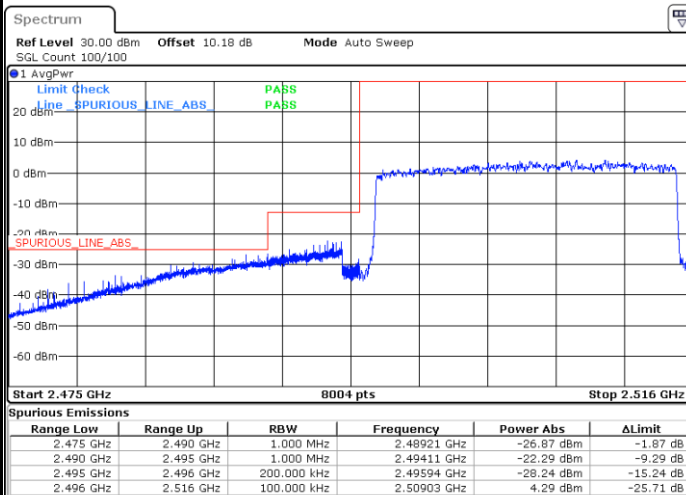
Lowest Band Edge / 1 RB



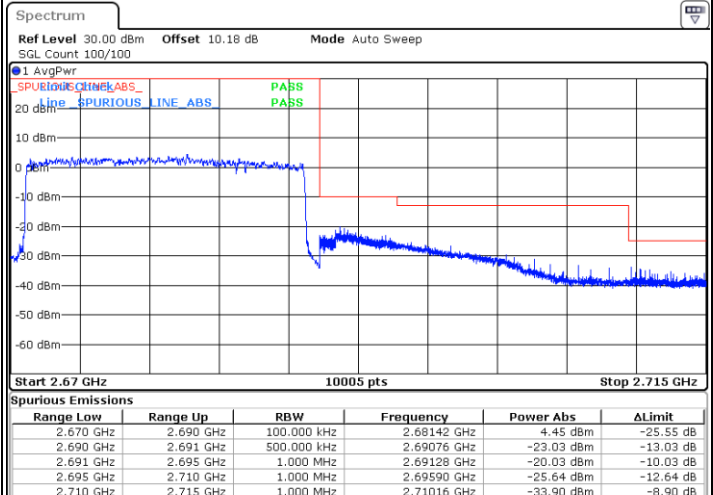
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



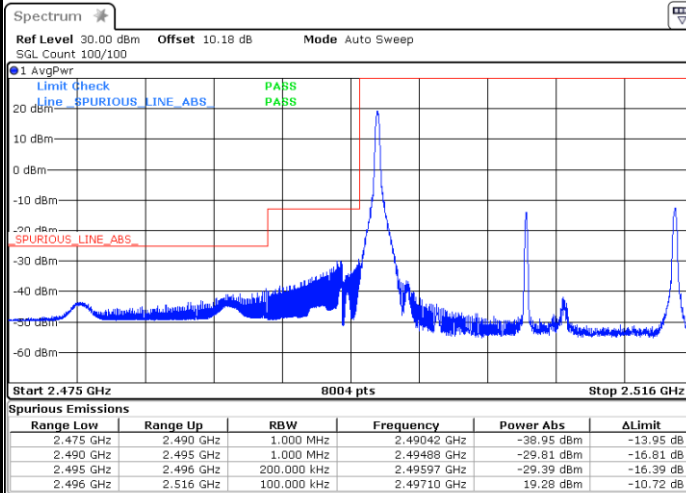
Highest Band Edge / Full RB



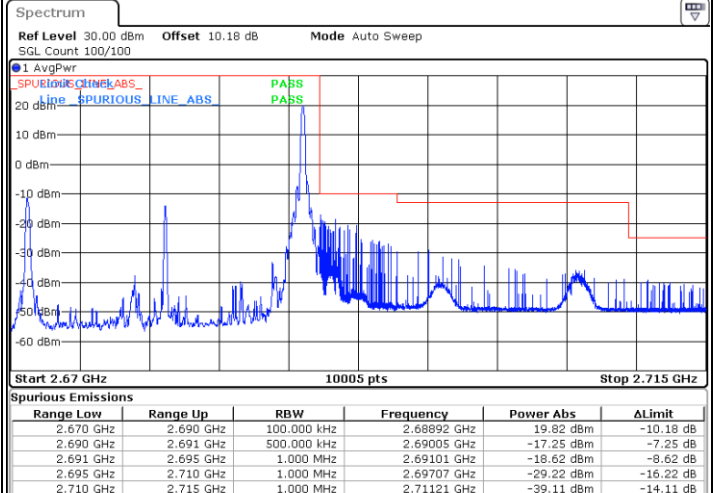


LTE Band 41 / 20MHz / 16QAM

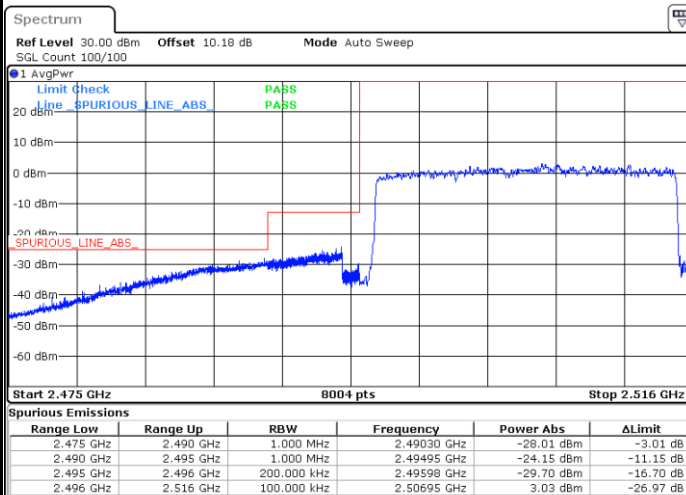
Lowest Band Edge / 1 RB



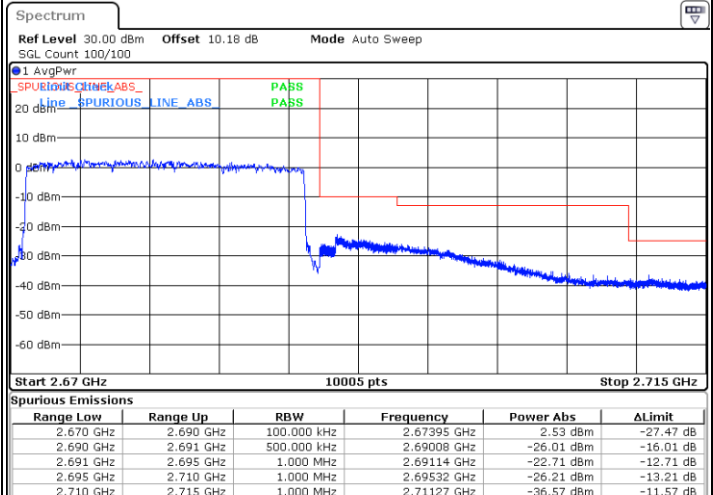
Highest Band Edge / 1 RB



Lowest Band Edge / FullRB



Highest Band Edge / Full RB



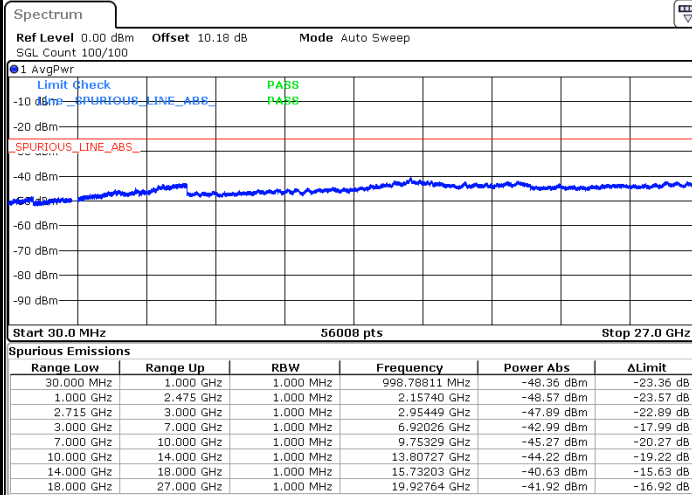


Conducted Spurious Emission

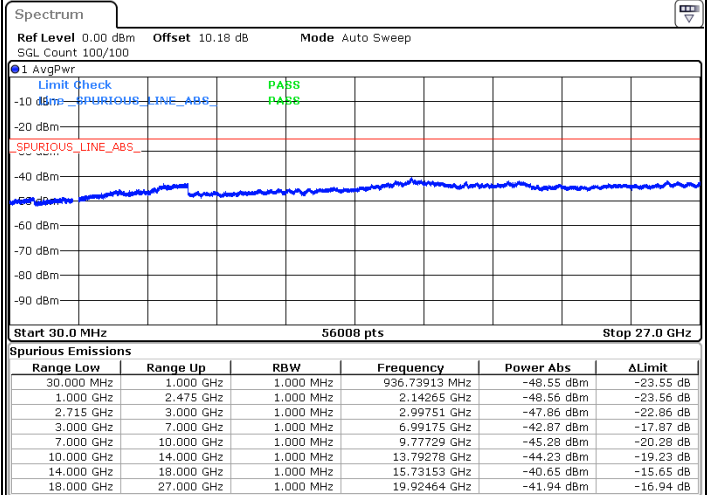


LTE Band 41 / 5MHz

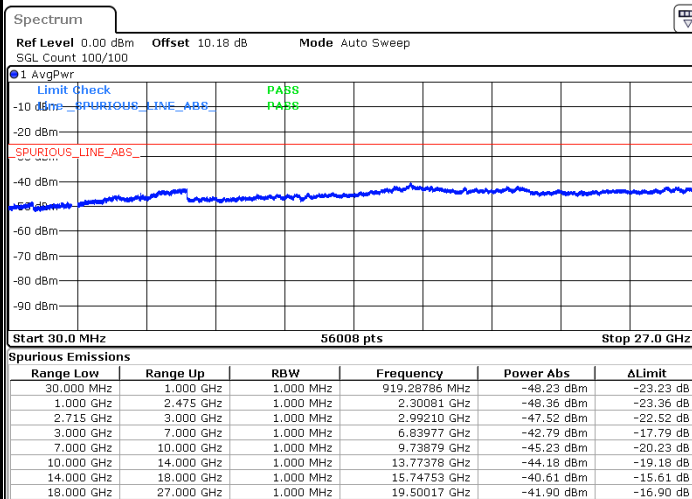
Lowest Channel / QPSK



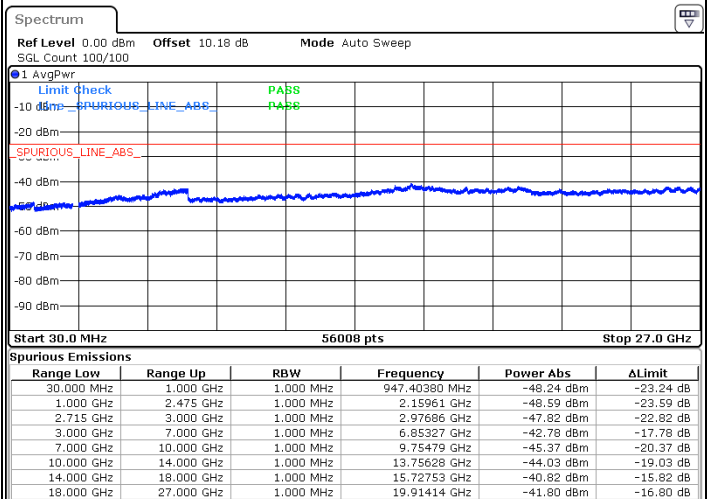
Lowest Channel / 16QAM



Middle Channel / QPSK



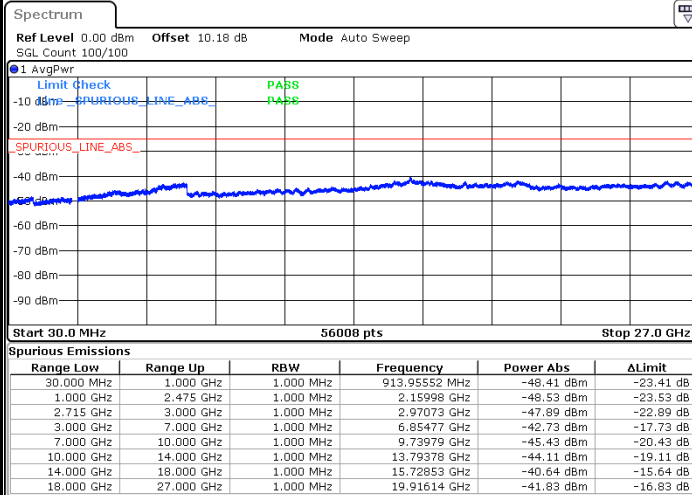
Middle Channel / 16QAM



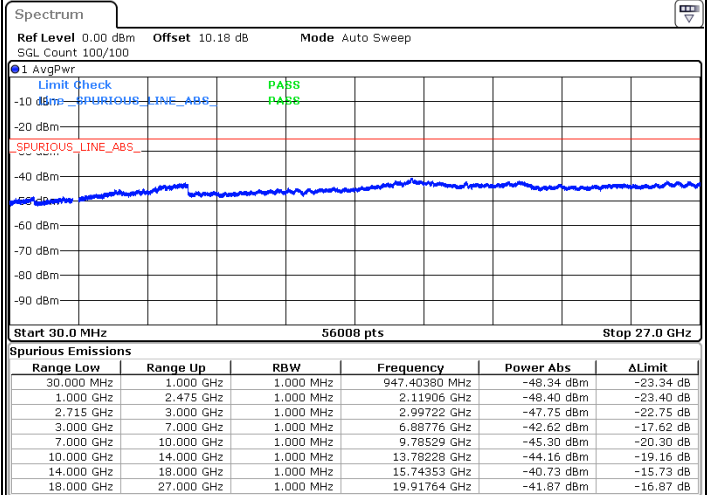


LTE Band 41 / 5MHz

Highest Channel / QPSK

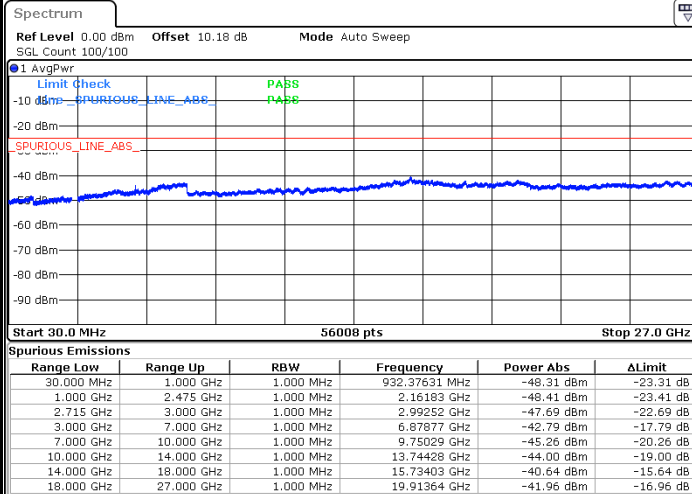


Highest Channel / 16QAM

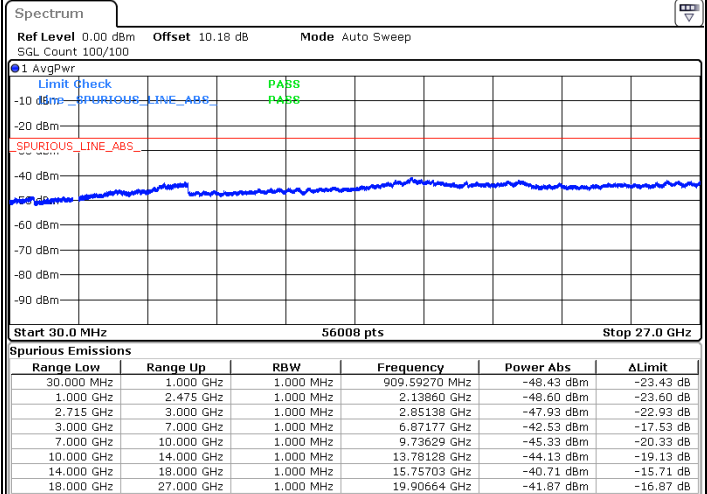


LTE Band 41 / 10MHz

Lowest Channel / QPSK



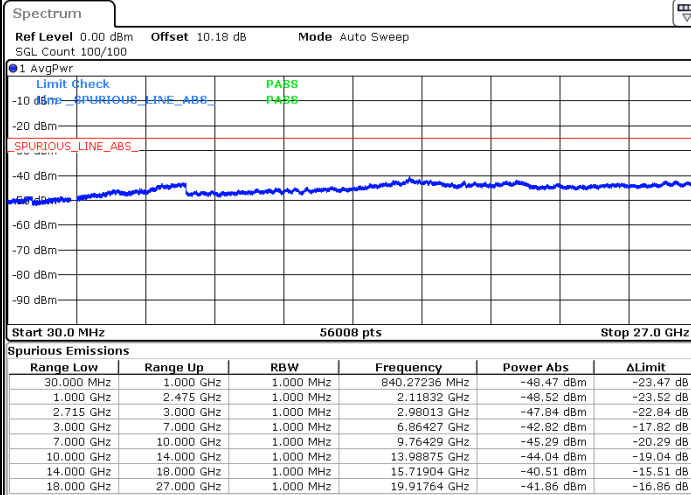
Lowest Channel / 16QAM



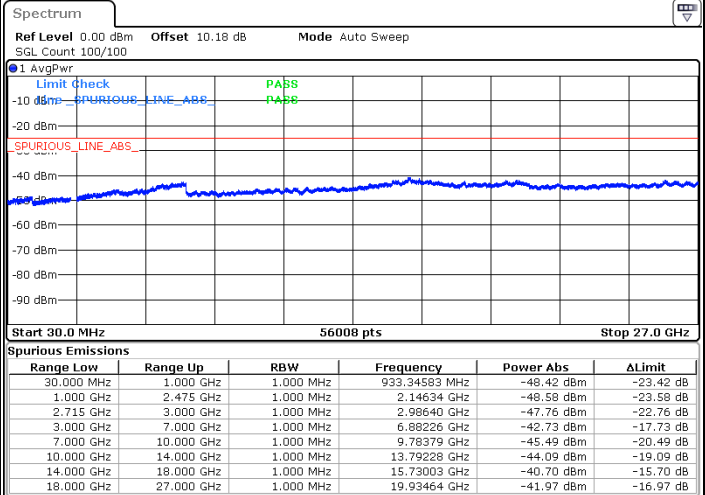


LTE Band 41 / 10MHz

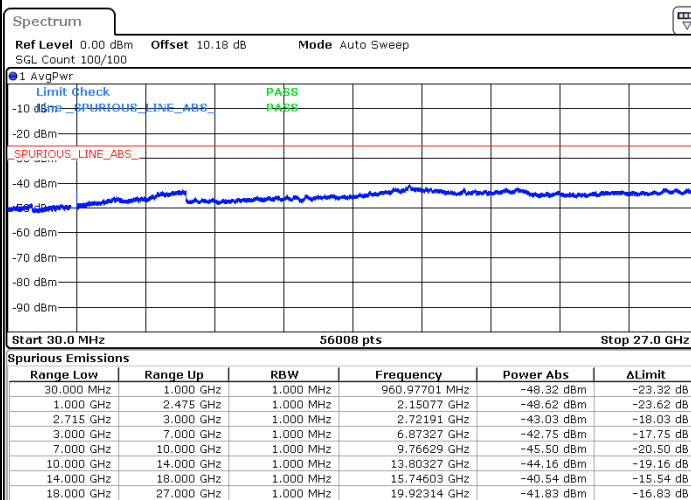
Middle Channel / QPSK



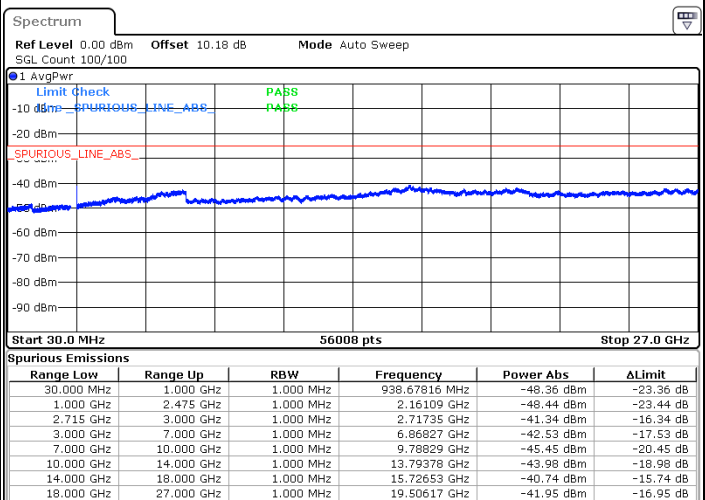
Middle Channel / 16QAM



Highest Channel / QPSK



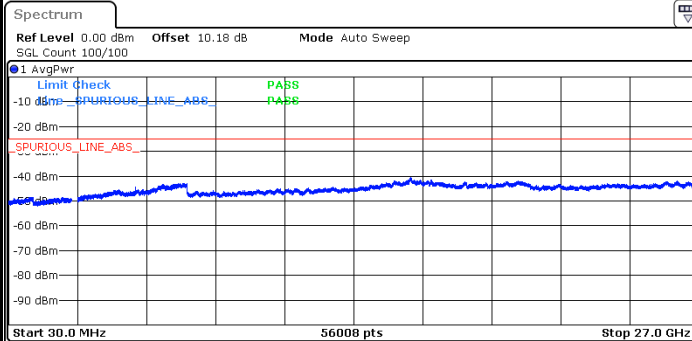
Highest Channel / 16QAM





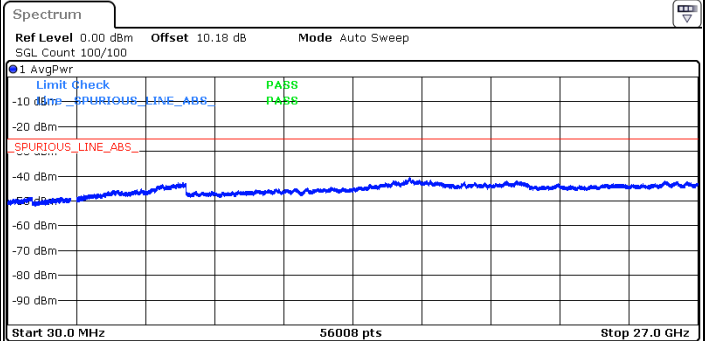
LTE Band 41 / 15MHz

Lowest Channel / QPSK



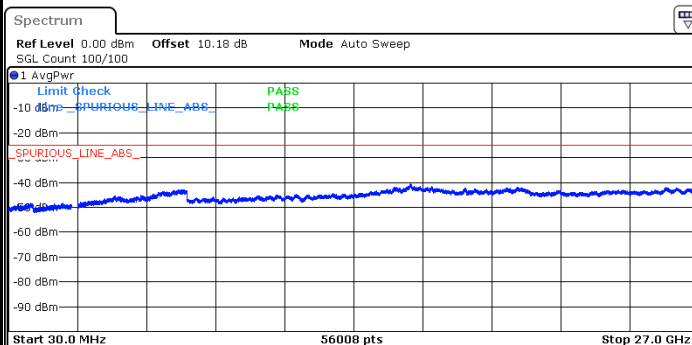
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	889.23288 MHz	-48.51 dBm	-23.51 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.14892 GHz	-48.61 dBm	-23.61 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.99281 GHz	-47.69 dBm	-22.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87127 GHz	-42.85 dBm	-17.85 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.79728 GHz	-45.40 dBm	-20.40 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.82627 GHz	-44.30 dBm	-19.30 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73453 GHz	-40.62 dBm	-15.62 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92064 GHz	-41.95 dBm	-16.95 dB

Lowest Channel / 16QAM



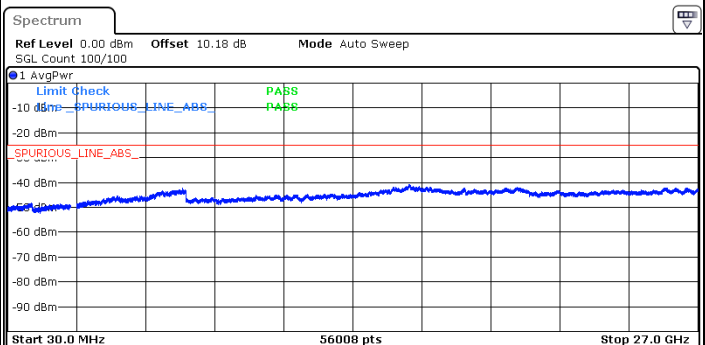
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.98901 MHz	-48.51 dBm	-23.51 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.09436 GHz	-48.51 dBm	-23.51 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.99537 GHz	-47.61 dBm	-22.61 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87427 GHz	-42.62 dBm	-17.62 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.73779 GHz	-45.42 dBm	-20.42 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.80127 GHz	-44.24 dBm	-19.24 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.74003 GHz	-40.52 dBm	-15.52 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.71332 GHz	-41.80 dBm	-16.80 dB

Middle Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	890.68716 MHz	-48.32 dBm	-23.32 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.14118 GHz	-48.41 dBm	-23.41 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.98070 GHz	-47.74 dBm	-22.74 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87227 GHz	-42.83 dBm	-17.83 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.75579 GHz	-45.32 dBm	-20.32 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.81527 GHz	-44.21 dBm	-19.21 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72553 GHz	-40.58 dBm	-15.58 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.89014 GHz	-41.88 dBm	-16.88 dB

Middle Channel / 16QAM

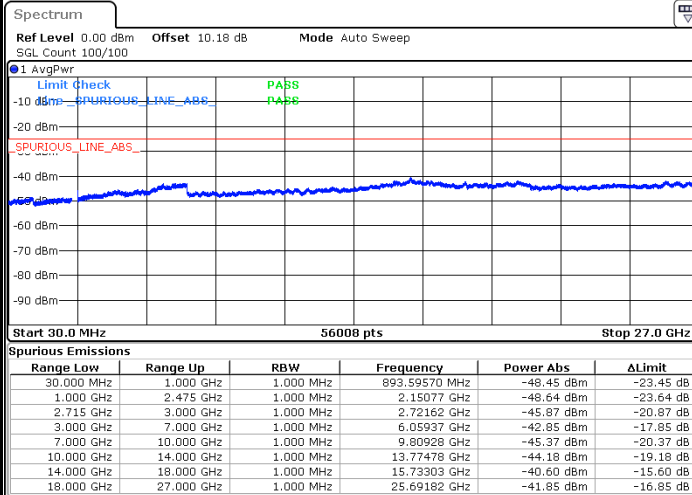


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	941.10195 MHz	-48.21 dBm	-23.21 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.07961 GHz	-48.73 dBm	-23.73 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.99979 GHz	-47.73 dBm	-22.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86677 GHz	-42.33 dBm	-17.33 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.74229 GHz	-45.09 dBm	-20.09 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.76278 GHz	-44.09 dBm	-19.09 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72303 GHz	-40.72 dBm	-15.72 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.94264 GHz	-41.89 dBm	-16.89 dB

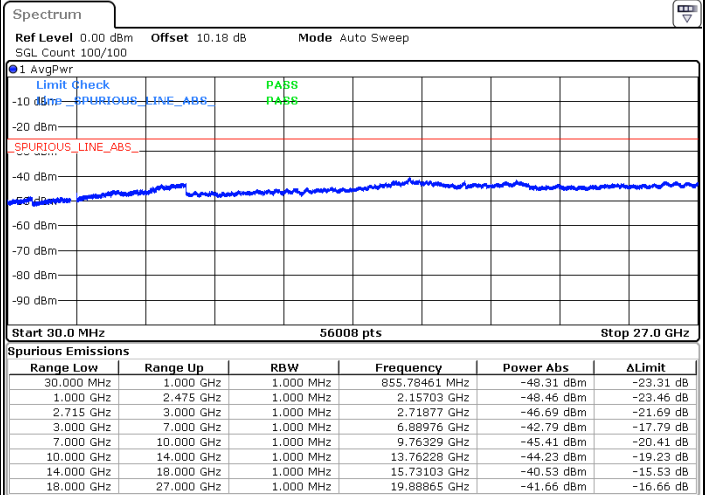


LTE Band 41 / 15MHz

Highest Channel / QPSK

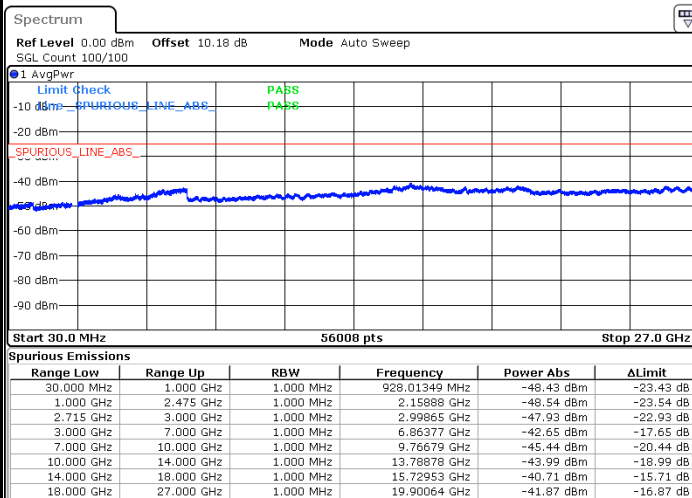


Highest Channel / 16QAM

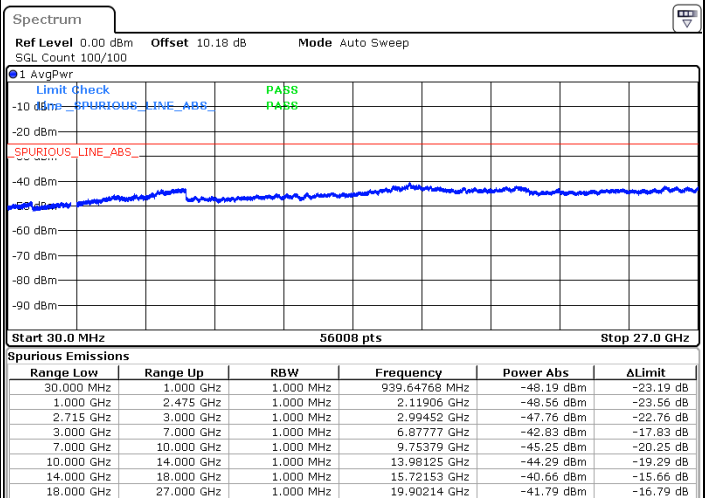


LTE Band 41 / 20MHz

Lowest Channel / QPSK



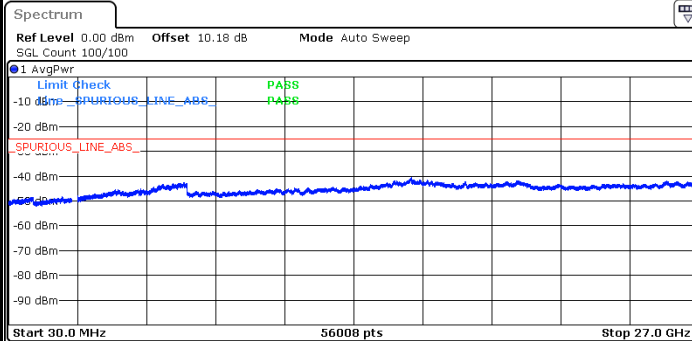
Lowest Channel / 16QAM





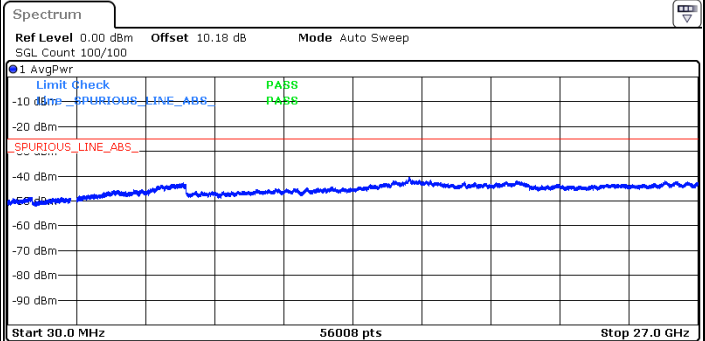
LTE Band 41 / 20MHz

Middle Channel / QPSK



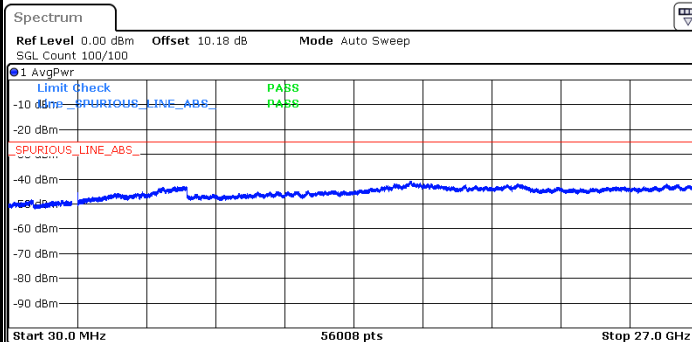
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	936.25437 MHz	-48.42 dBm	-23.42 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.12570 GHz	-48.39 dBm	-23.39 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.71735 GHz	-47.91 dBm	-22.91 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88526 GHz	-42.67 dBm	-17.67 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.74679 GHz	-45.27 dBm	-20.27 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.77128 GHz	-44.10 dBm	-19.10 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.75203 GHz	-40.65 dBm	-15.65 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.87665 GHz	-41.78 dBm	-16.78 dB

Middle Channel / 16QAM



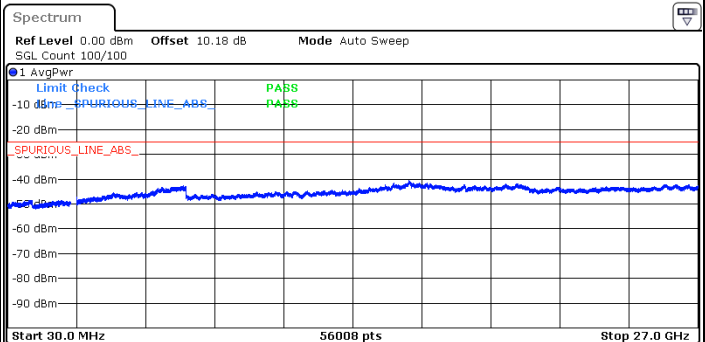
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	919.77261 MHz	-48.49 dBm	-23.49 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.15666 GHz	-48.63 dBm	-23.63 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.98711 GHz	-47.95 dBm	-22.95 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87527 GHz	-42.70 dBm	-17.70 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.74129 GHz	-45.42 dBm	-20.42 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.81177 GHz	-44.31 dBm	-19.31 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.74353 GHz	-40.59 dBm	-15.59 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.89564 GHz	-41.85 dBm	-16.85 dB

Highest Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.44028 MHz	-48.25 dBm	-23.25 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.13786 GHz	-48.63 dBm	-23.63 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.71692 GHz	-45.49 dBm	-20.49 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89776 GHz	-42.82 dBm	-17.82 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.76279 GHz	-45.11 dBm	-20.11 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.97275 GHz	-44.19 dBm	-19.19 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.74703 GHz	-40.74 dBm	-15.74 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91464 GHz	-41.97 dBm	-16.97 dB

Highest Channel / 16QAM



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.00750 MHz	-48.42 dBm	-23.42 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.12901 GHz	-48.52 dBm	-23.52 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.72048 GHz	-47.28 dBm	-22.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87777 GHz	-42.77 dBm	-17.77 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.75329 GHz	-45.08 dBm	-20.08 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.75978 GHz	-43.82 dBm	-18.82 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.70604 GHz	-40.60 dBm	-15.60 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92214 GHz	-41.94 dBm	-16.94 dB

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	0.0010	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66

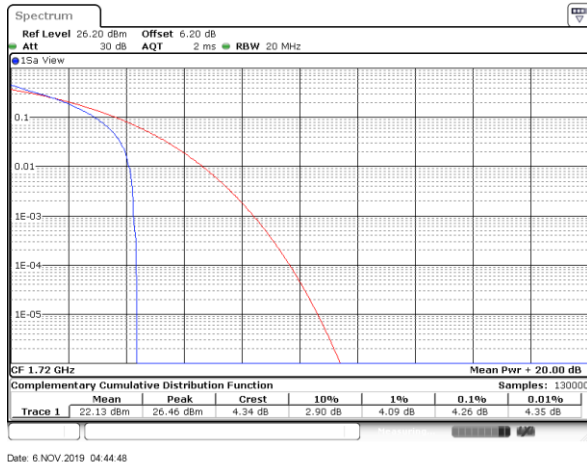
Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.26	4.55	4.99	5.74	PASS
Middle CH	3.74	5.04	5.22	5.91	
Highest CH	3.88	4.64	4.75	5.71	

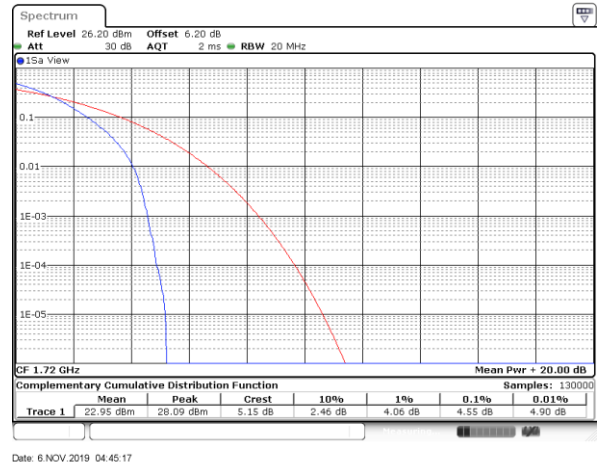


LTE Band 66 / 20MHz / QPSK

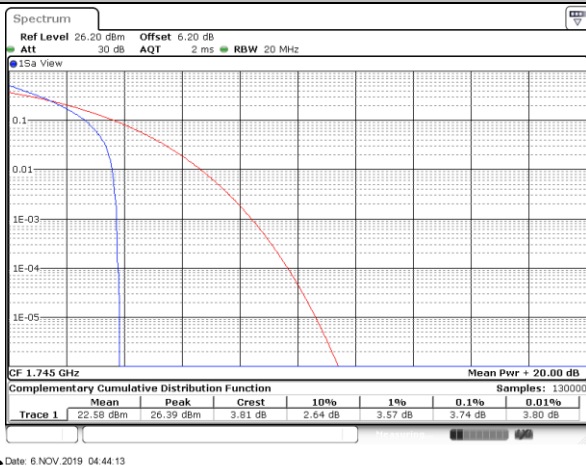
Lowest Channel / 1RB



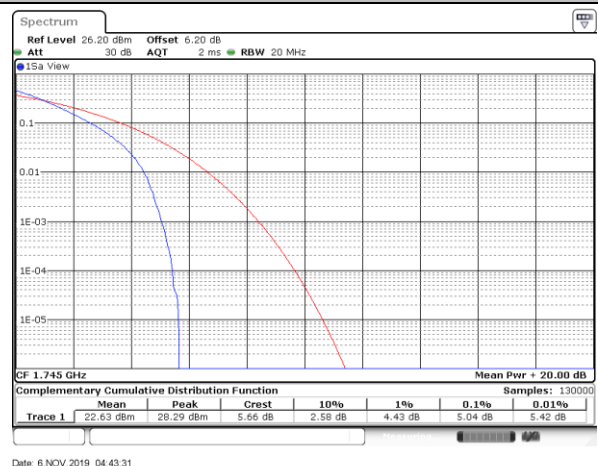
Lowest Channel / Full RB



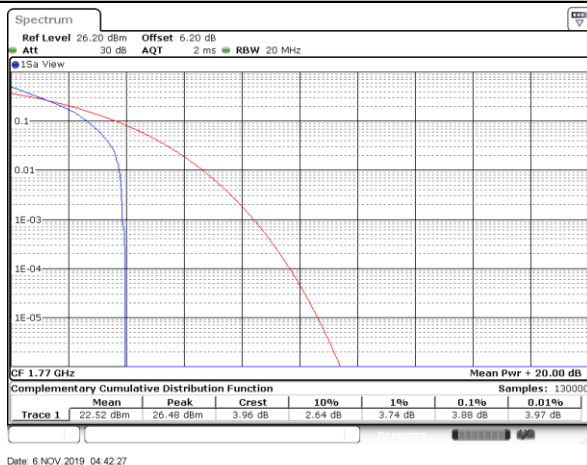
Middle Channel / 1RB



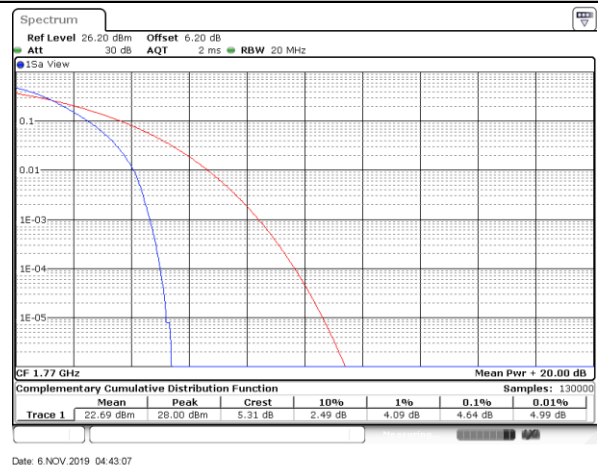
Middle Channel / Full RB



Highest Channel / 1RB



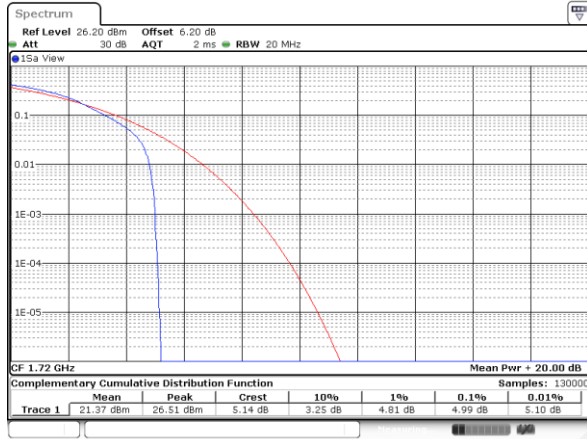
Highest Channel / Full RB



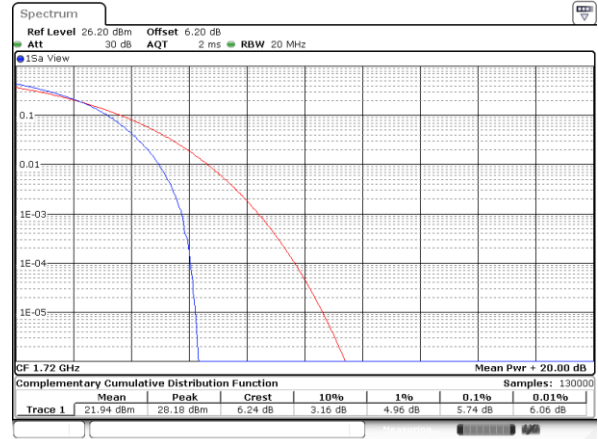


LTE Band 66 / 20MHz / 16QAM

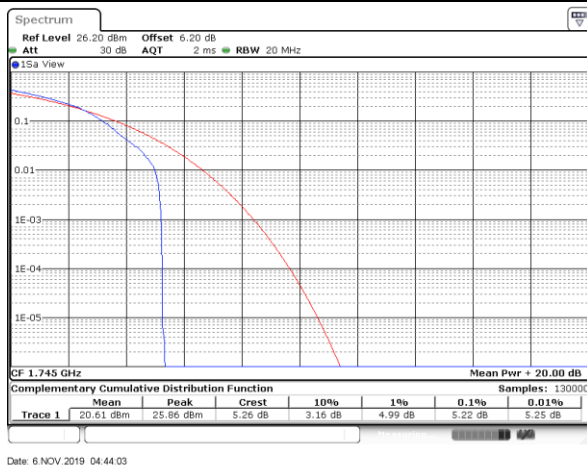
Lowest Channel / 1RB



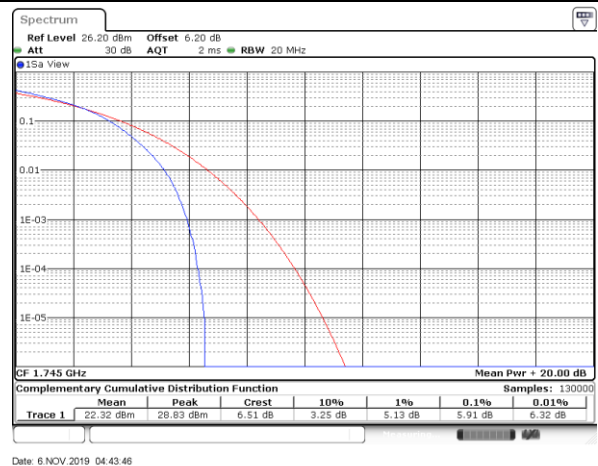
Lowest Channel / Full RB



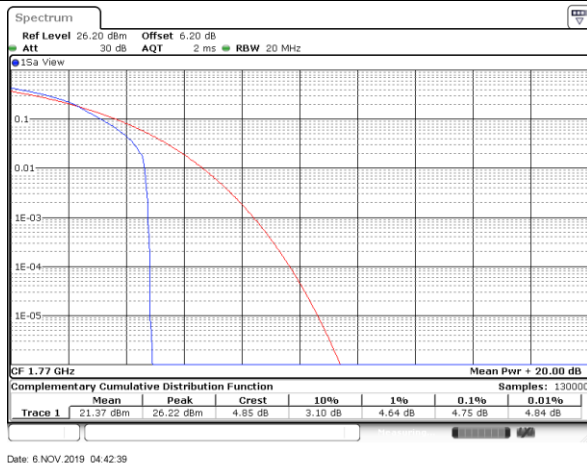
Middle Channel / 1RB



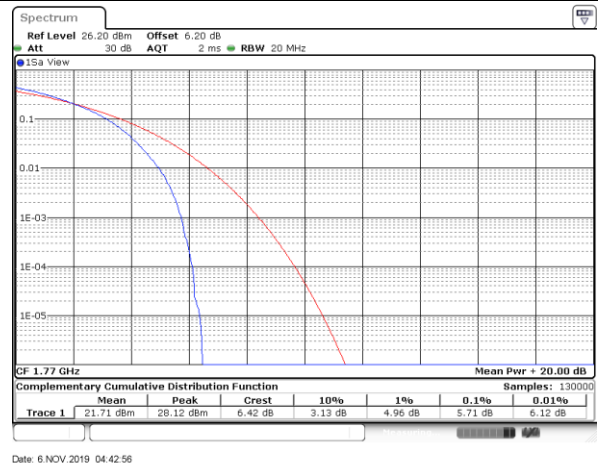
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



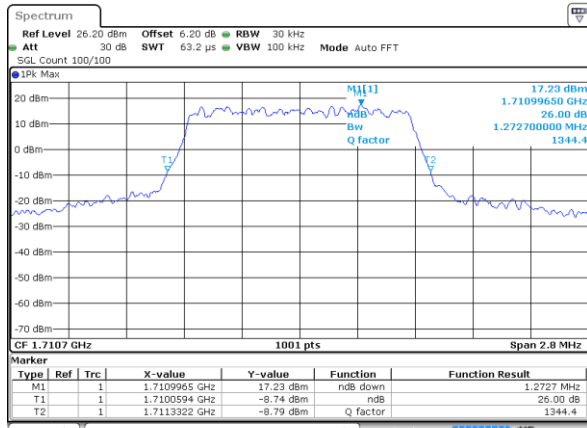
**26dB Bandwidth**

Mode	LTE Band 66 : 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	1.273	1.306	3.039	3.009	4.915	4.955	9.95	9.85	14.206	14.326	20.06	20.26
Middle CH	1.298	1.270	3.027	3.003	4.965	4.905	9.81	9.75	14.146	14.685	20.26	20.1
Highest CH	1.262	1.295	3.015	2.997	4.935	4.915	9.79	9.73	14.296	14.266	20.02	20.02



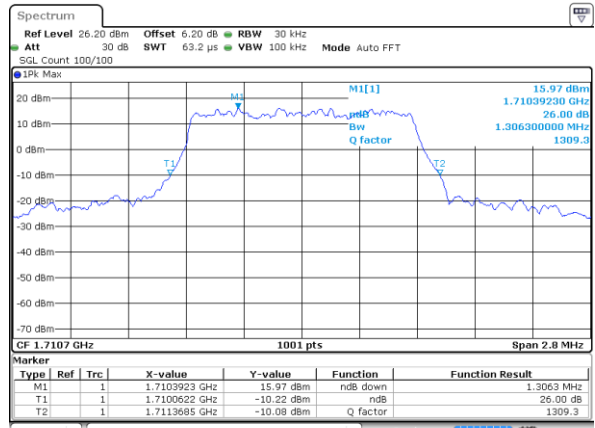
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



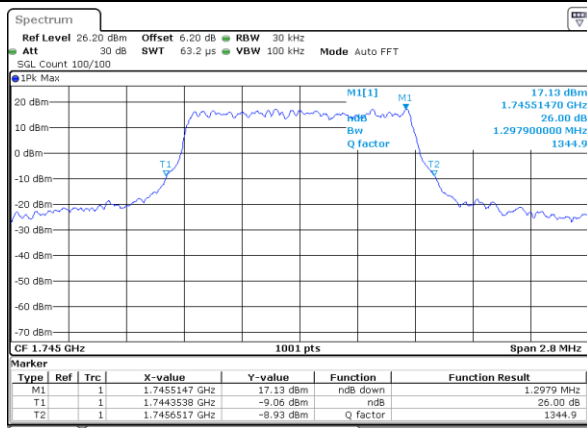
Date: 6 NOV 2019 00:22:55

Lowest Channel / 1.4MHz / 16QAM



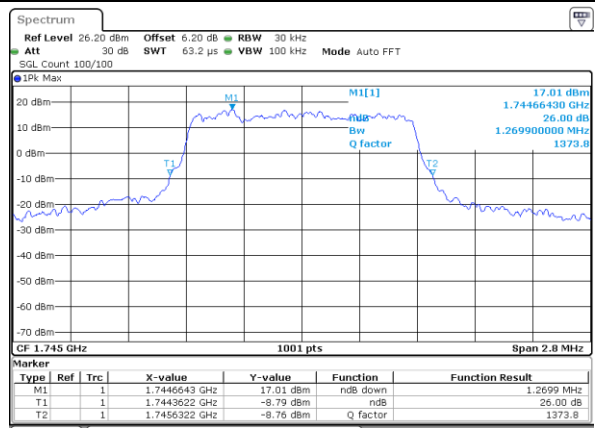
Date: 6 NOV 2019 00:26:52

Middle Channel / 1.4MHz / QPSK



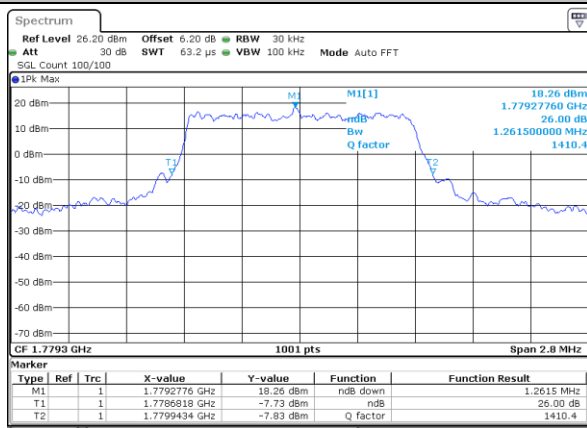
Date: 6 NOV 2019 00:36:37

Middle Channel / 1.4MHz / 16QAM



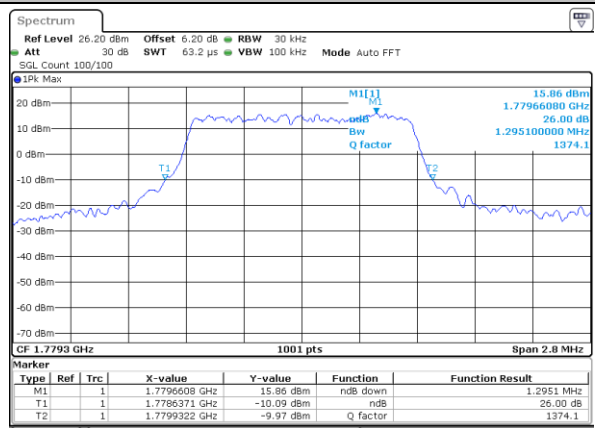
Date: 6 NOV 2019 00:36:57

Highest Channel / 1.4MHz / QPSK



Date: 6 NOV 2019 00:38:49

Highest Channel / 1.4MHz / 16QAM

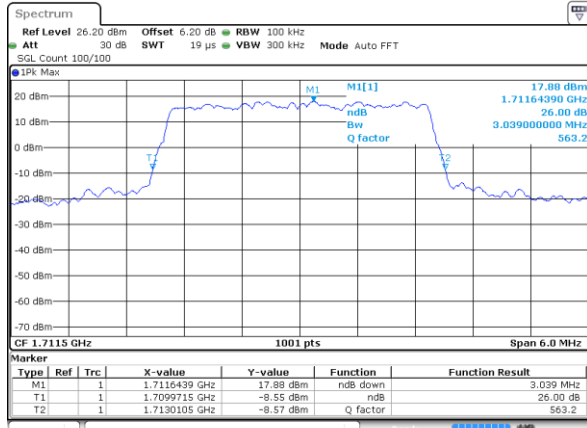


Date: 6 NOV 2019 00:40:10



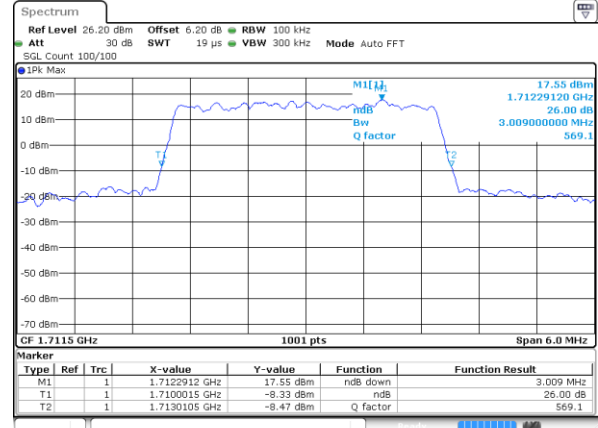
LTE Band 66

Lowest Channel / 3MHz / QPSK



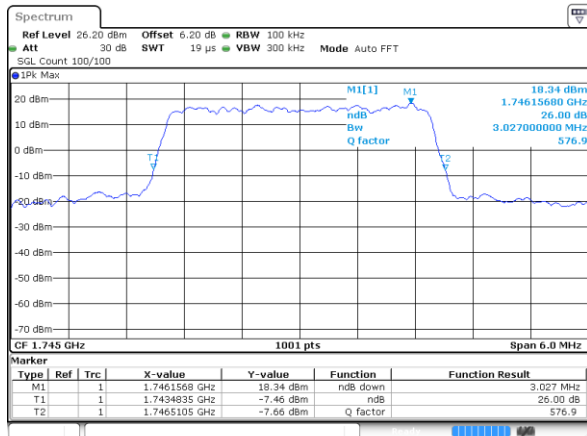
Date: 6 NOV 2019 00:52:49

Lowest Channel / 3MHz / 16QAM



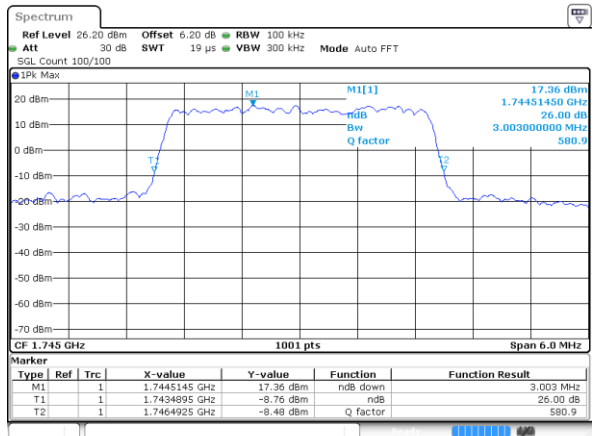
Date: 6 NOV 2019 00:53:39

Middle Channel / 3MHz / QPSK



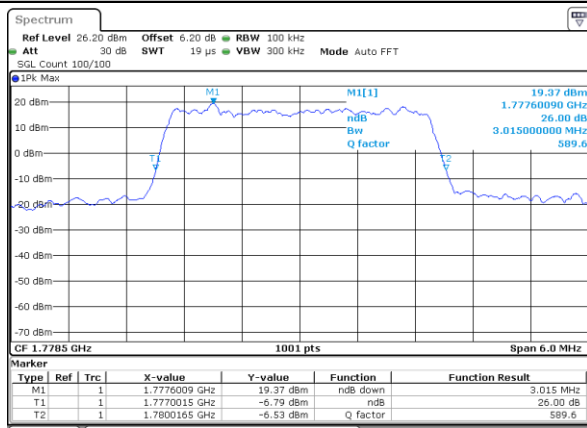
Date: 6 NOV 2019 01:00:13

Middle Channel / 3MHz / 16QAM



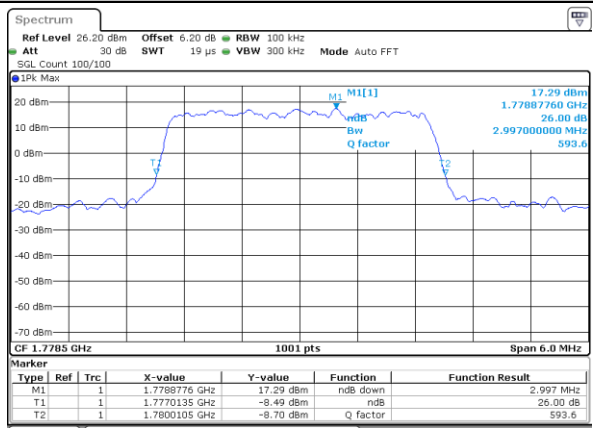
Date: 6 NOV 2019 01:00:36

Highest Channel / 3MHz / QPSK



Date: 6 NOV 2019 01:03:15

Highest Channel / 3MHz / 16QAM

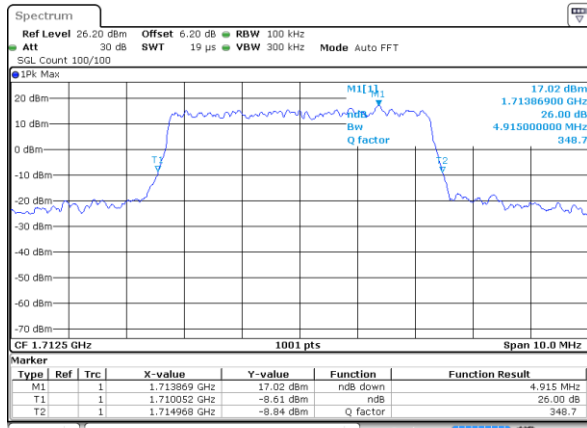


Date: 6 NOV 2019 01:04:06

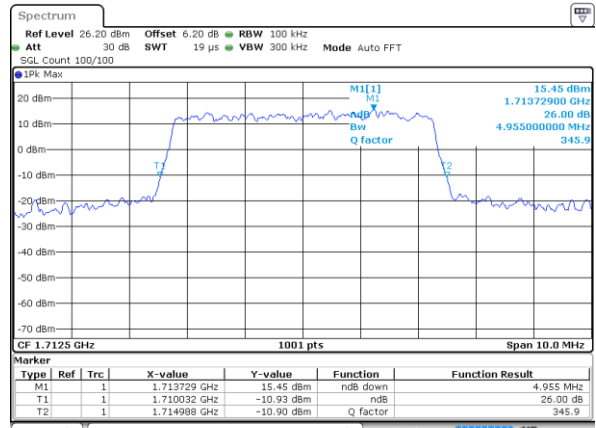


LTE Band 66

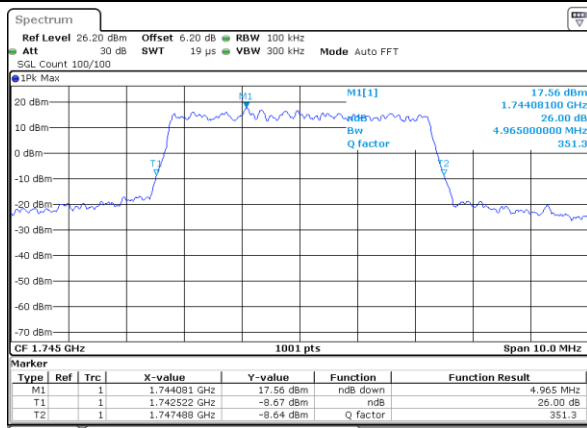
Lowest Channel / 5MHz / QPSK



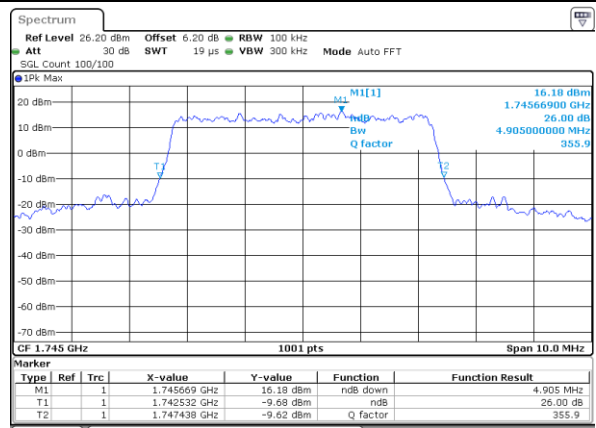
Lowest Channel / 5MHz / 16QAM



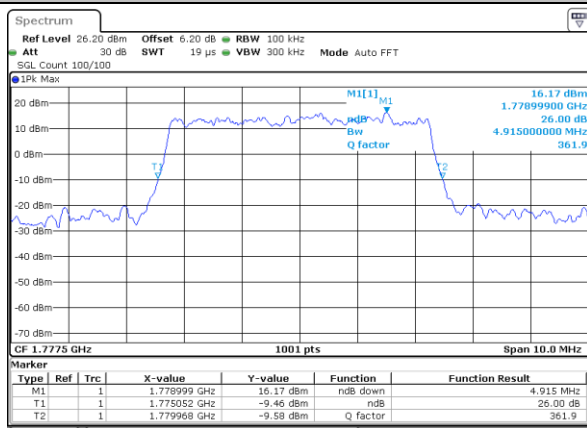
Middle Channel / 5MHz / QPSK



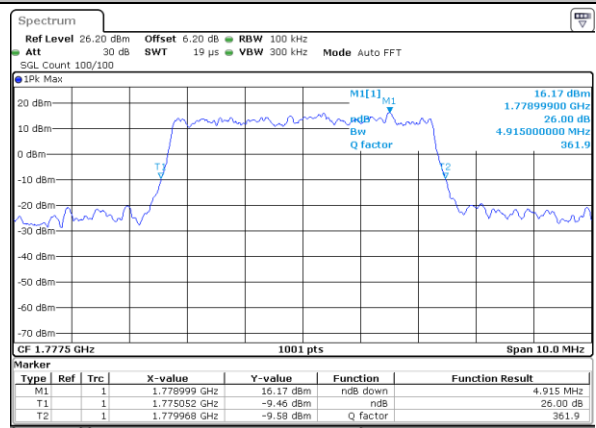
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



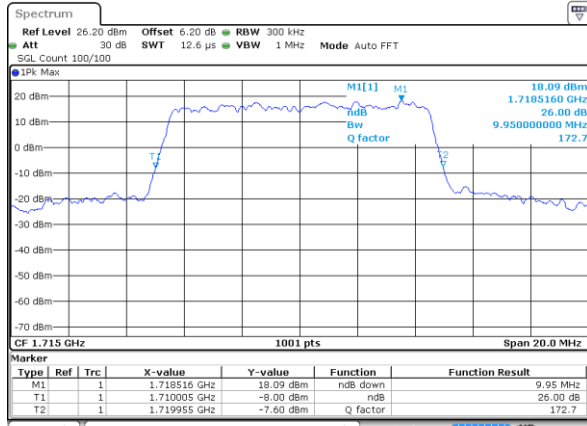
Highest Channel / 5MHz / 16QAM





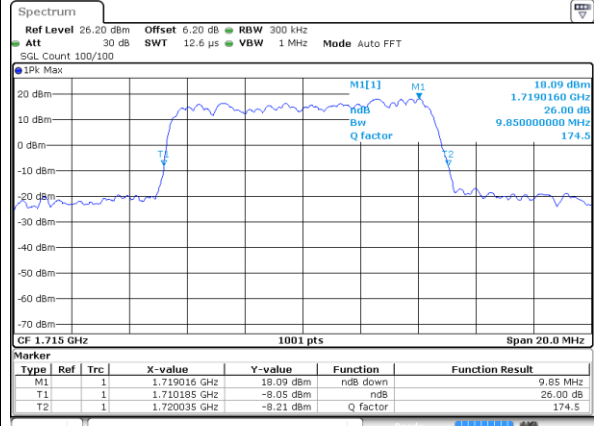
LTE Band 66

Lowest Channel / 10MHz / QPSK



Date: 6 NOV 2019 03:28:55

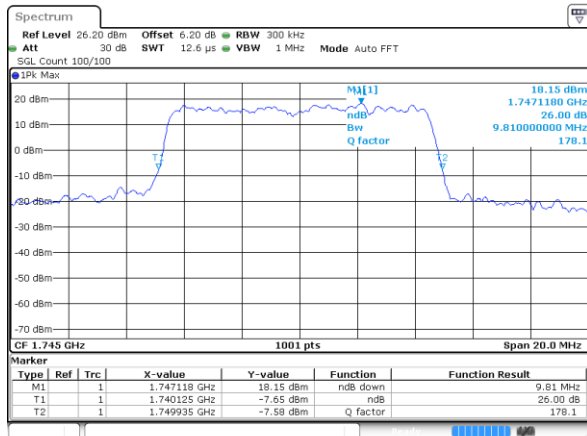
Lowest Channel / 10MHz / 16QAM



Date: 6 NOV 2019 03:29:34

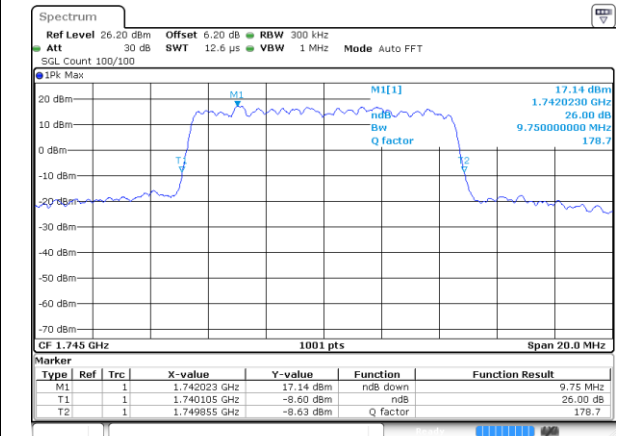
AM

Middle Channel / 10MHz / QPSK



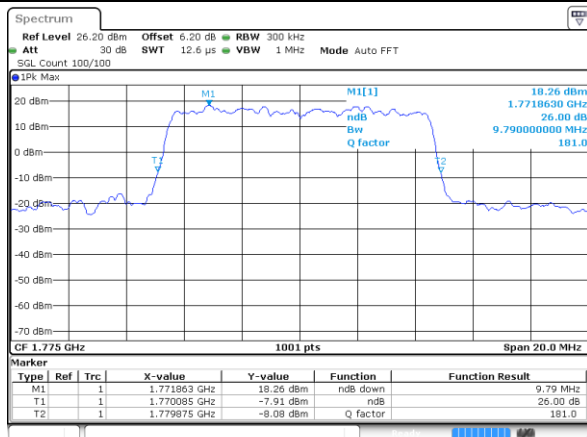
Date: 6 NOV 2019 03:34:58

Middle Channel / 10MHz / 16QAM



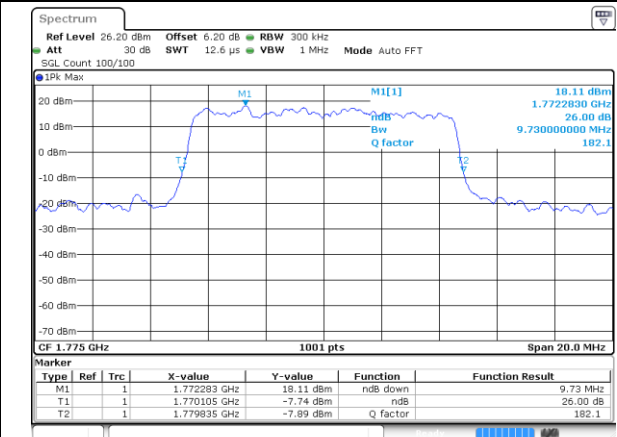
Date: 6 NOV 2019 03:34:38

Highest Channel / 10MHz / QPSK



Date: 6 NOV 2019 03:35:38

Highest Channel / 10MHz / 16QAM

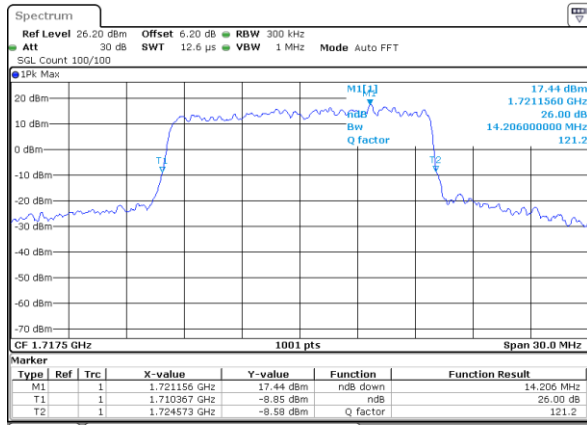


Date: 6 NOV 2019 03:36:19



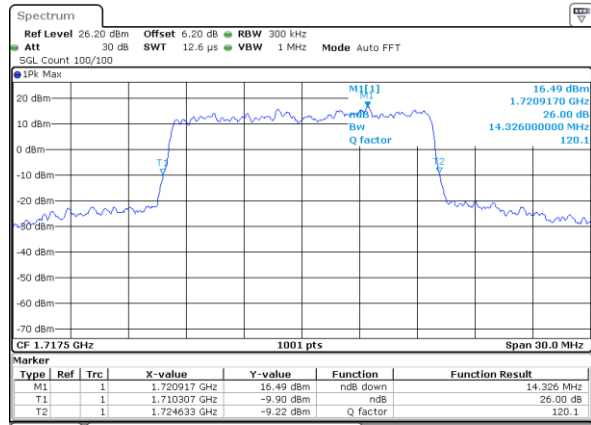
LTE Band 66

Lowest Channel / 15MHz / QPSK



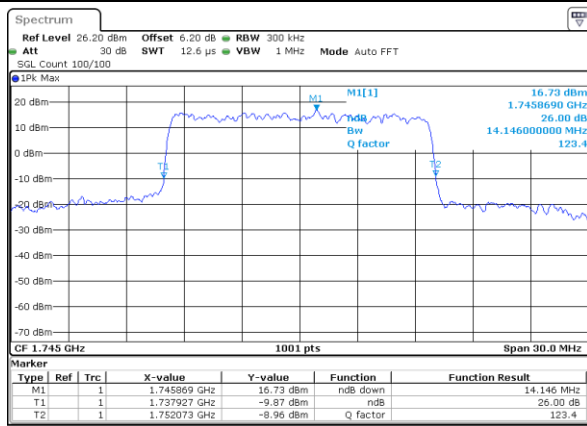
Date: 6 NOV 2019 04:19:37

Lowest Channel / 15MHz / 16QAM



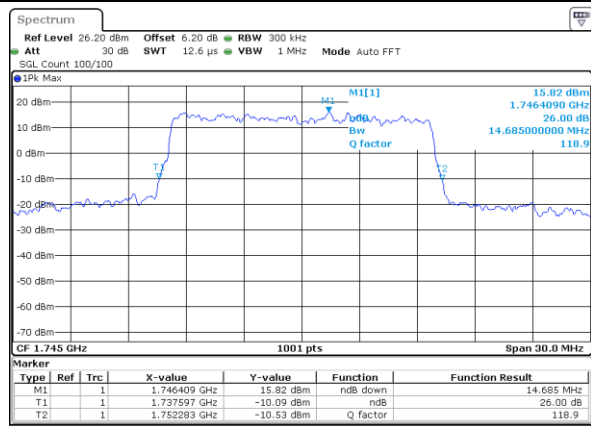
Date: 6 NOV 2019 04:20:05

Middle Channel / 15MHz / QPSK



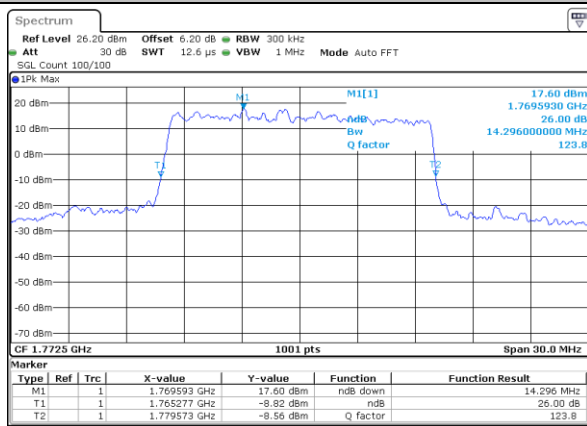
Date: 6 NOV 2019 04:26:20

Middle Channel / 15MHz / 16QAM



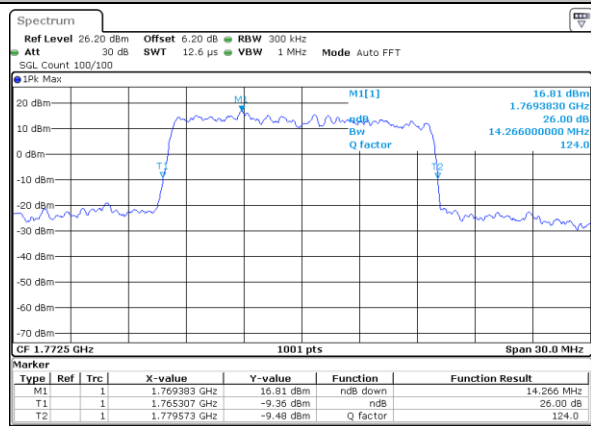
Date: 6 NOV 2019 04:26:00

Highest Channel / 15MHz / QPSK



Date: 6 NOV 2019 04:27:01

Highest Channel / 15MHz / 16QAM

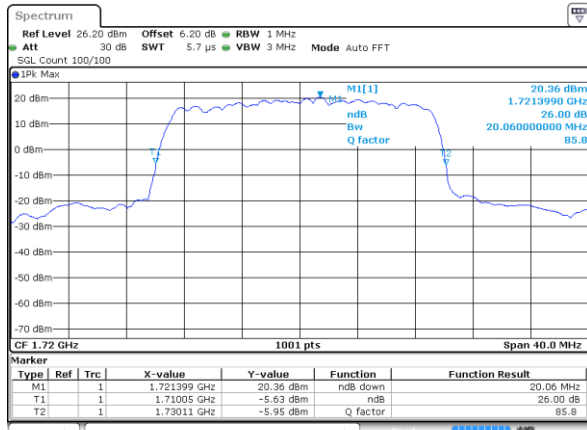


Date: 6 NOV 2019 04:27:26



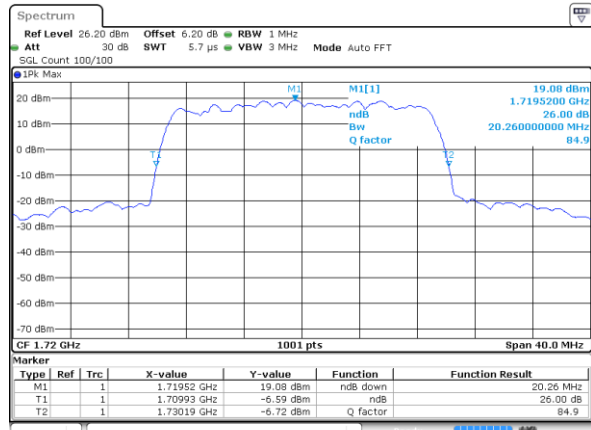
LTE Band 66

Lowest Channel / 20MHz / QPSK



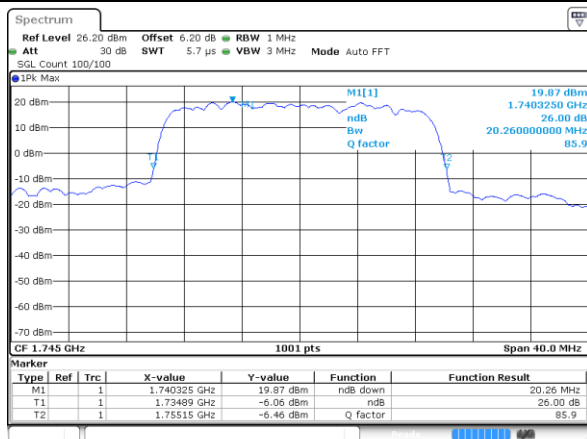
Date: 6 NOV 2019 04:34:28

Lowest Channel / 20MHz / 16QAM



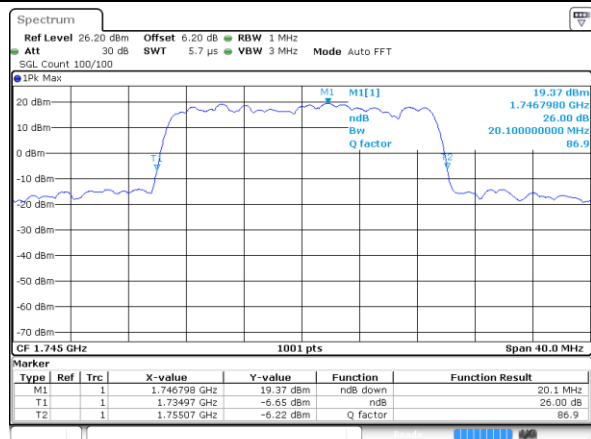
Date: 6 NOV 2019 04:34:53

Middle Channel / 20MHz / QPSK



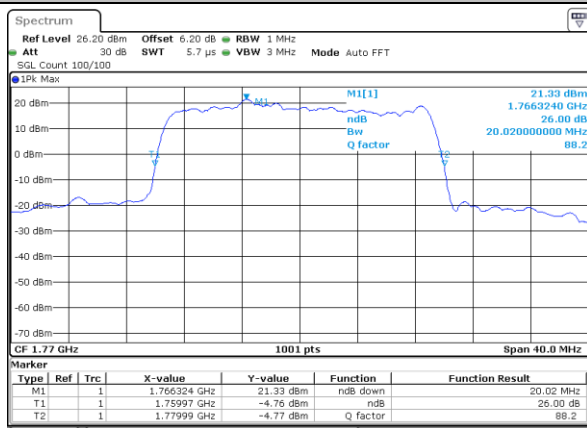
Date: 6 NOV 2019 04:39:08

Middle Channel / 20MHz / 16QAM



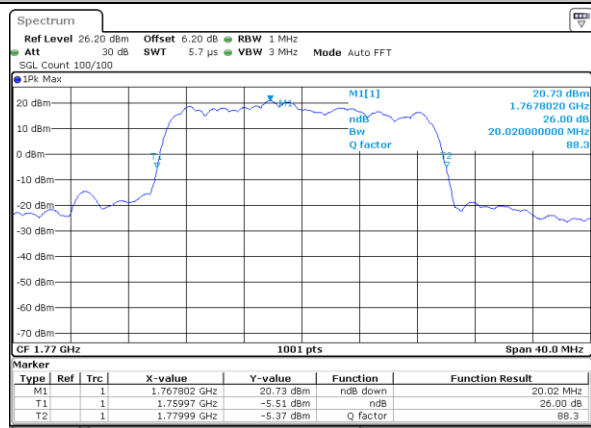
Date: 6 NOV 2019 04:38:51

Highest Channel / 20MHz / QPSK



Date: 6 NOV 2019 04:39:40

Highest Channel / 20MHz / 16QAM



Date: 6 NOV 2019 04:40:04

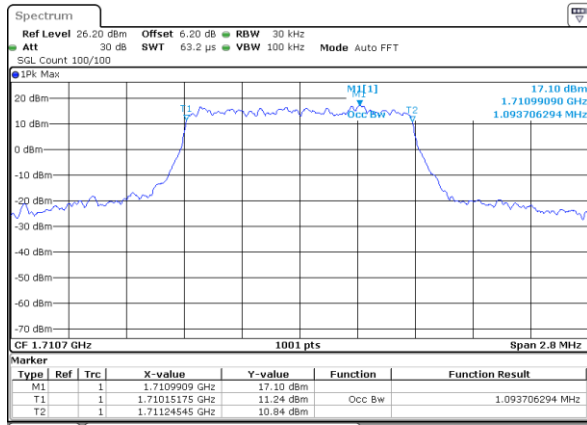
**Occupied Bandwidth**

Mode	LTE Band 66 : 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	1.094	1.096	2.721	2.733	4.486	4.476	9.011	9.011	13.367	13.397	18.102	18.182
Middle CH	1.088	1.102	2.721	2.727	4.496	4.476	9.011	9.031	13.487	13.457	18.422	18.342
Highest CH	1.105	1.108	2.721	2.709	4.486	4.466	9.051	8.991	13.397	13.487	18.302	18.382



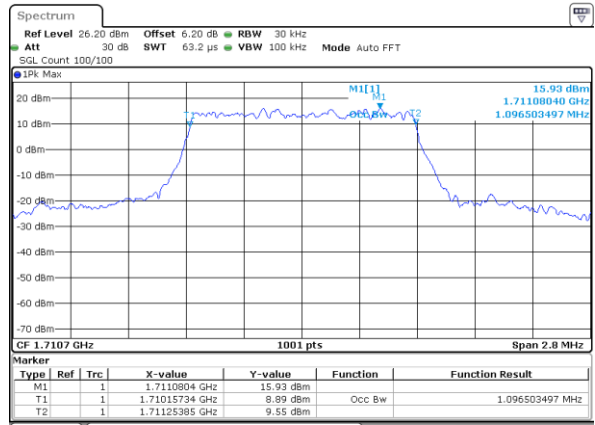
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



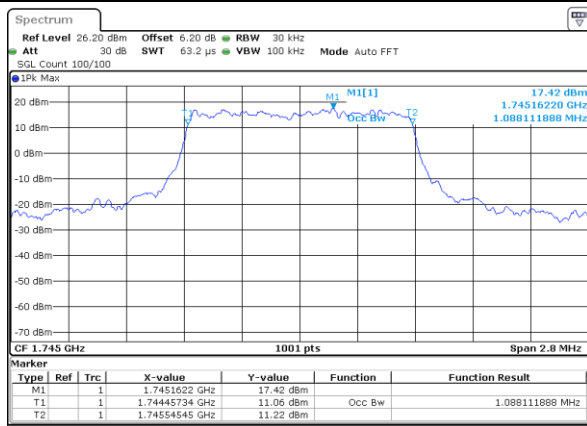
Date: 6 NOV 2019 00:22:48

Lowest Channel / 1.4MHz / 16QAM



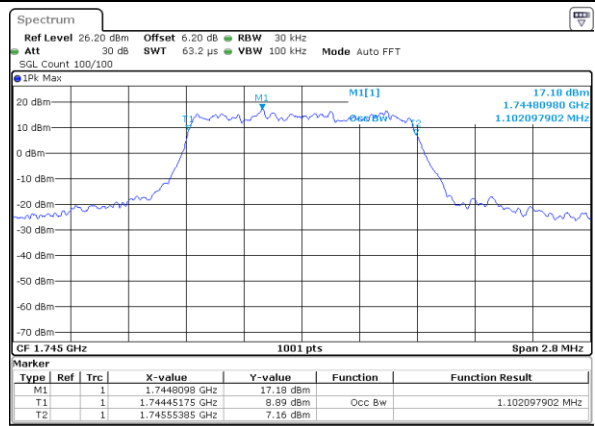
Date: 6 NOV 2019 00:26:46

Middle Channel / 1.4MHz / QPSK



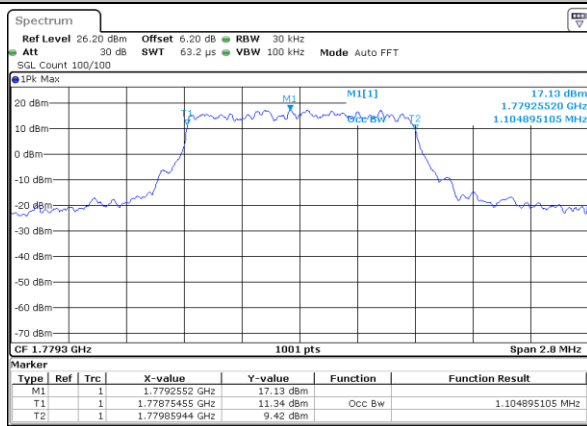
Date: 6 NOV 2019 00:36:31

Middle Channel / 1.4MHz / 16QAM



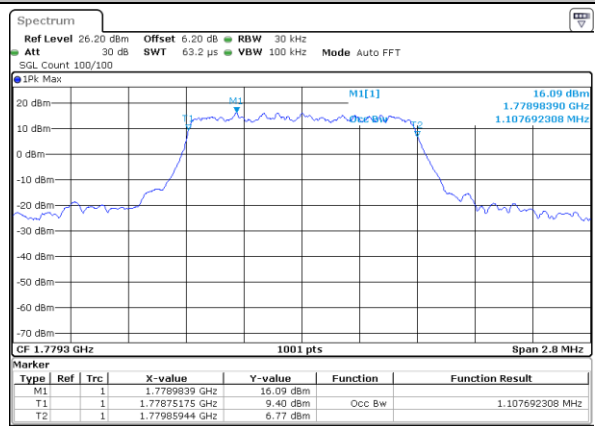
Date: 6 NOV 2019 00:36:52

Highest Channel / 1.4MHz / QPSK



Date: 6 NOV 2019 00:38:43

Highest Channel / 1.4MHz / 16QAM

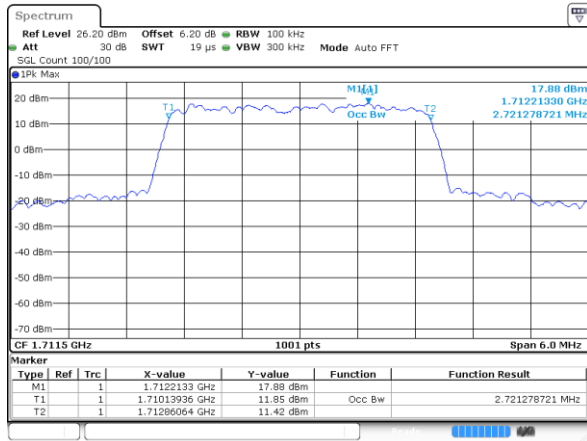


Date: 6 NOV 2019 00:40:01

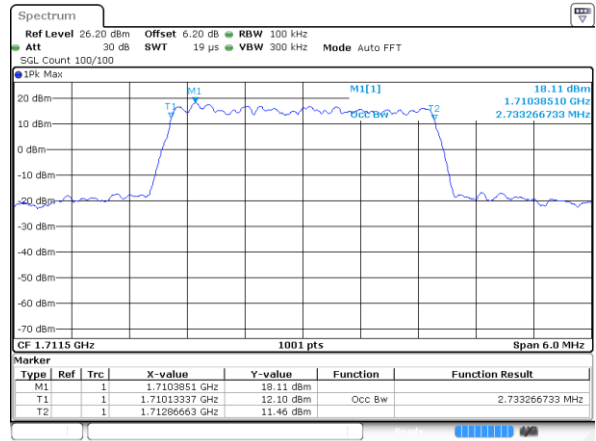


LTE Band 66

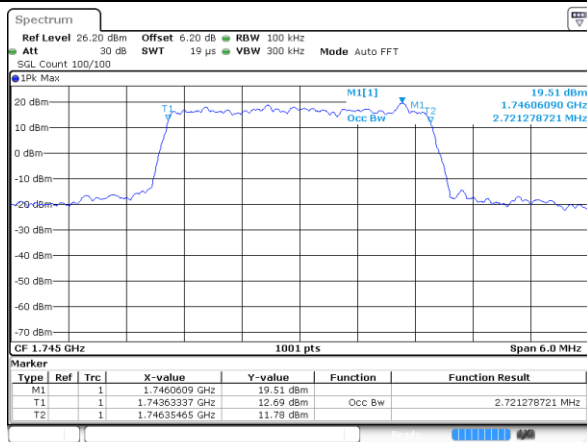
Lowest Channel / 3MHz / QPSK



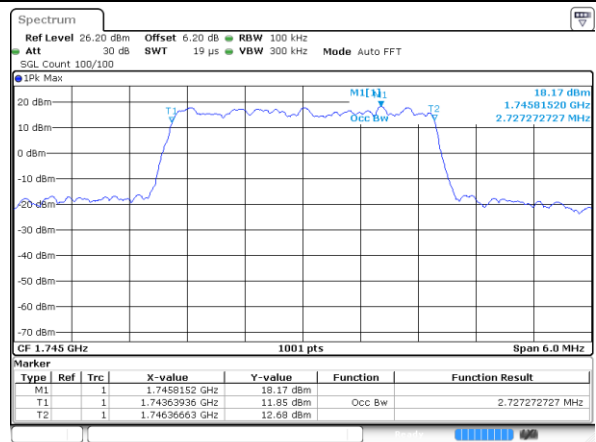
Lowest Channel / 3MHz / 16QAM



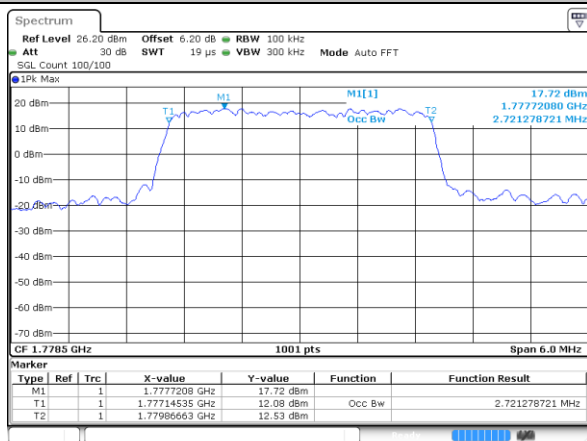
Middle Channel / 3MHz / QPSK



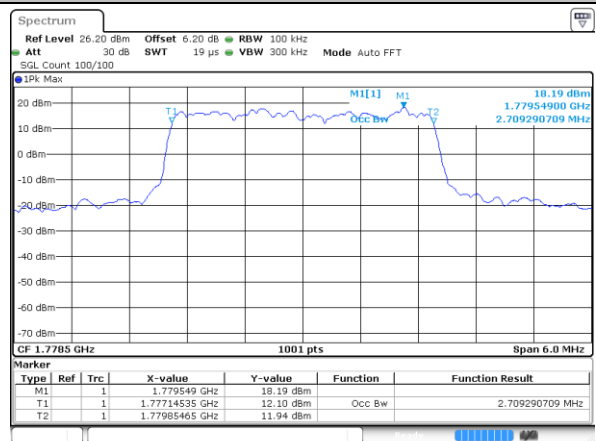
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



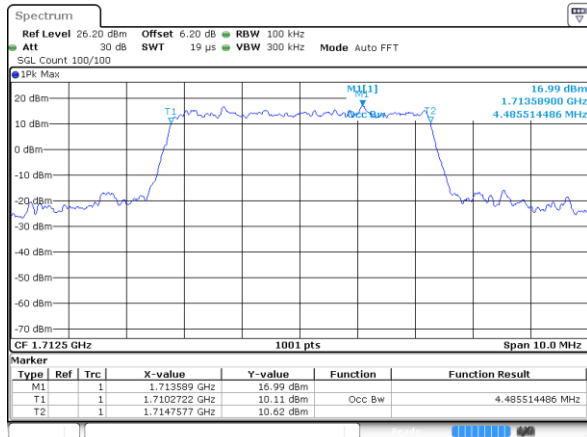
Highest Channel / 3MHz / 16QAM





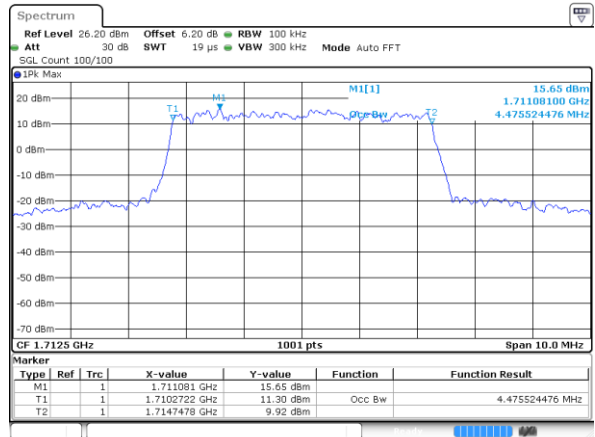
LTE Band 66

Lowest Channel / 5MHz / QPSK



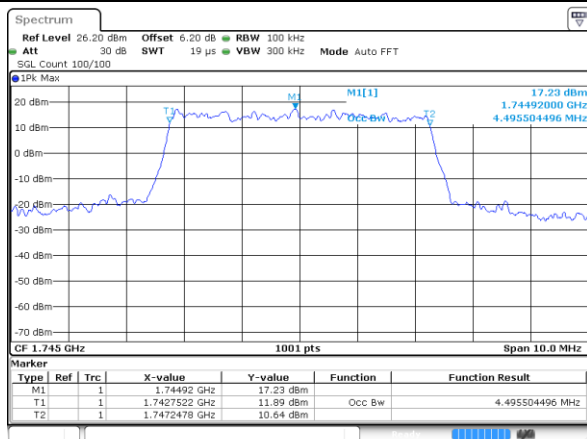
Date: 6 NOV 2019 01:12:55

Lowest Channel / 5MHz / 16QAM



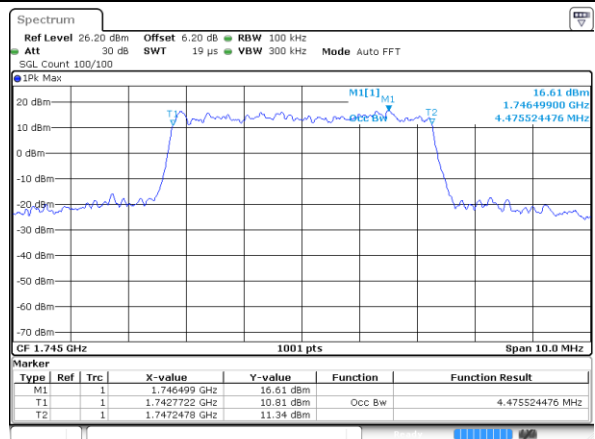
Date: 6 NOV 2019 01:13:35

Middle Channel / 5MHz / QPSK



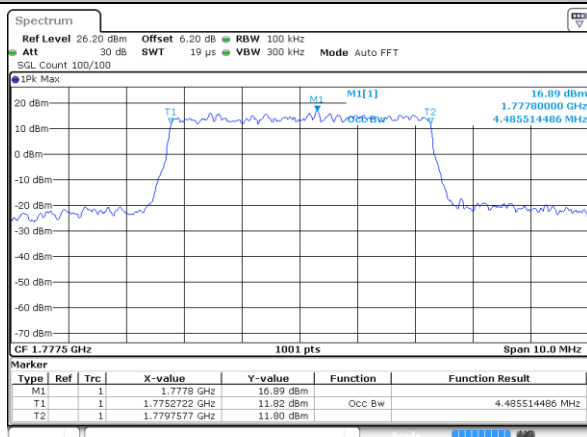
Date: 6 NOV 2019 01:16:45

Middle Channel / 5MHz / 16QAM



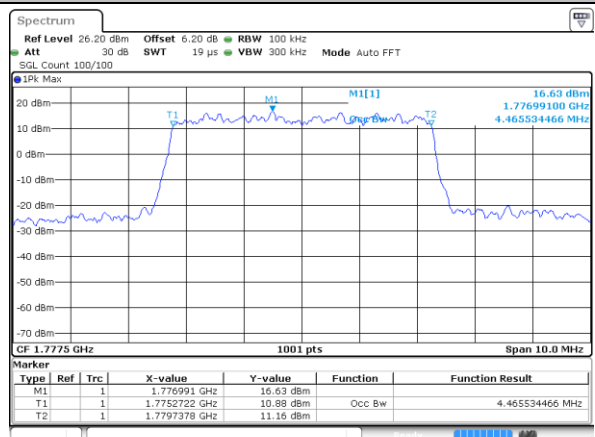
Date: 6 NOV 2019 01:17:17

Highest Channel / 5MHz / QPSK



Date: 6 NOV 2019 01:21:18

Highest Channel / 5MHz / 16QAM

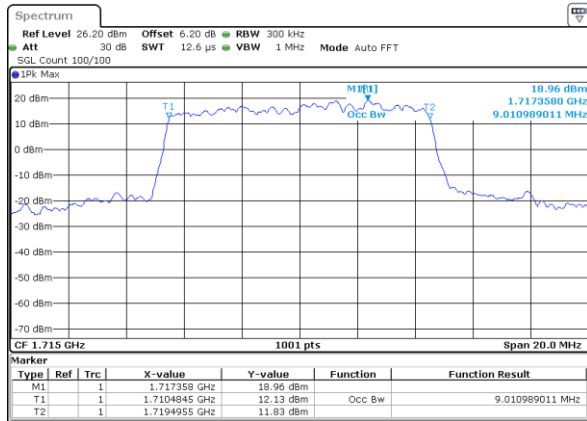


Date: 6 NOV 2019 01:20:45



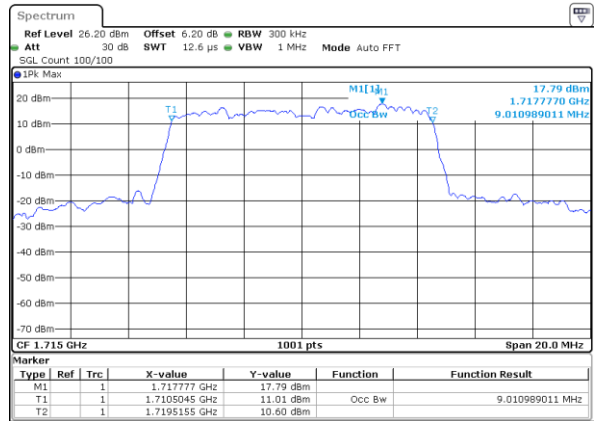
LTE Band 66

Lowest Channel / 10MHz / QPSK



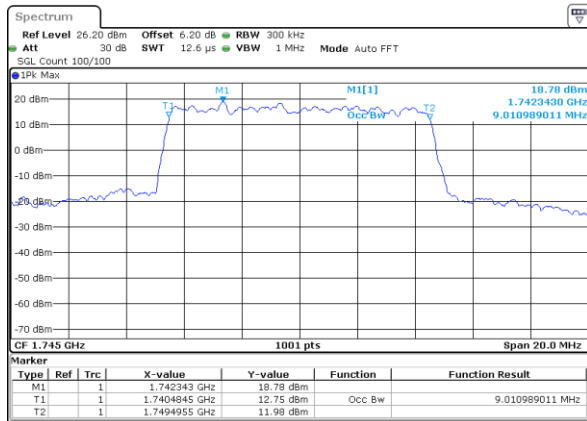
Date: 6 NOV 2019 03:28:49

Lowest Channel / 10MHz / 16QAM



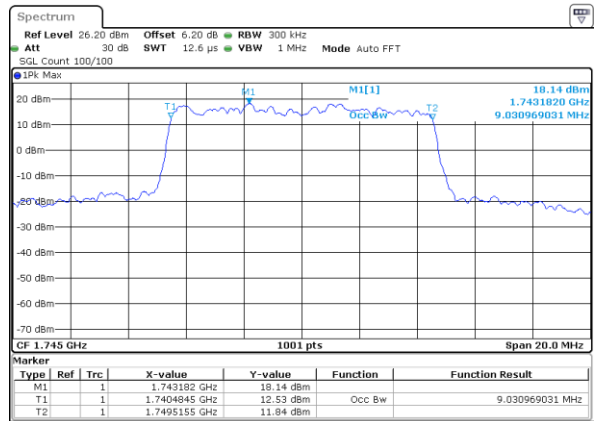
Date: 6 NOV 2019 03:29:27

Middle Channel / 10MHz / QPSK



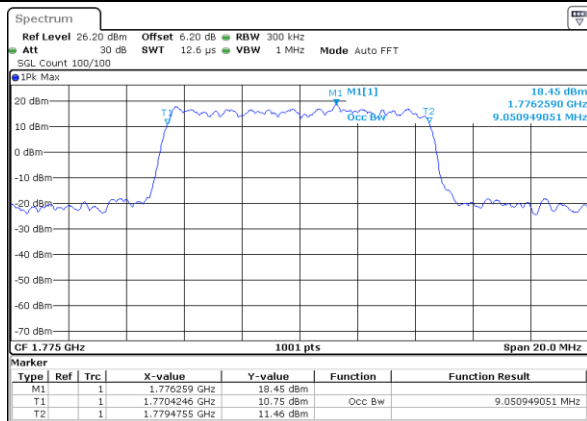
Date: 6 NOV 2019 03:34:52

Middle Channel / 10MHz / 16QAM



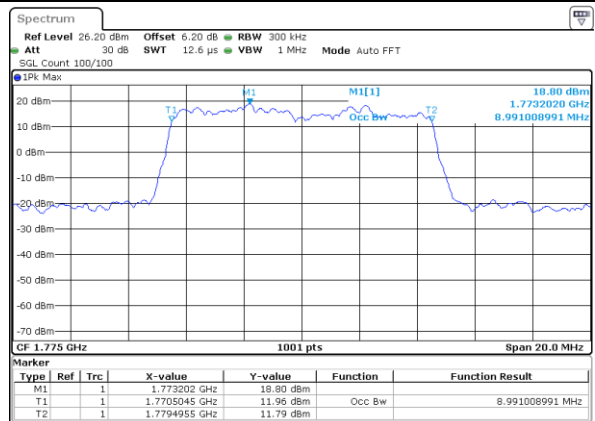
Date: 6 NOV 2019 03:34:32

Highest Channel / 10MHz / QPSK



Date: 6 NOV 2019 03:35:32

Highest Channel / 10MHz / 16QAM



Date: 6 NOV 2019 03:36:14