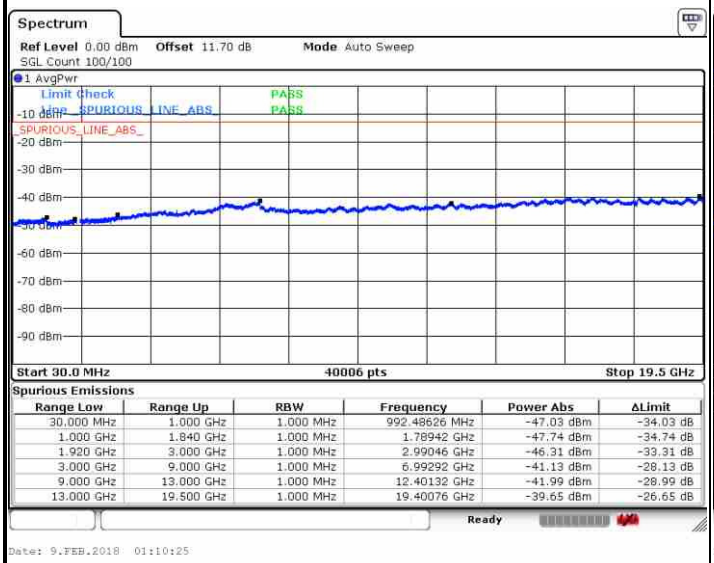
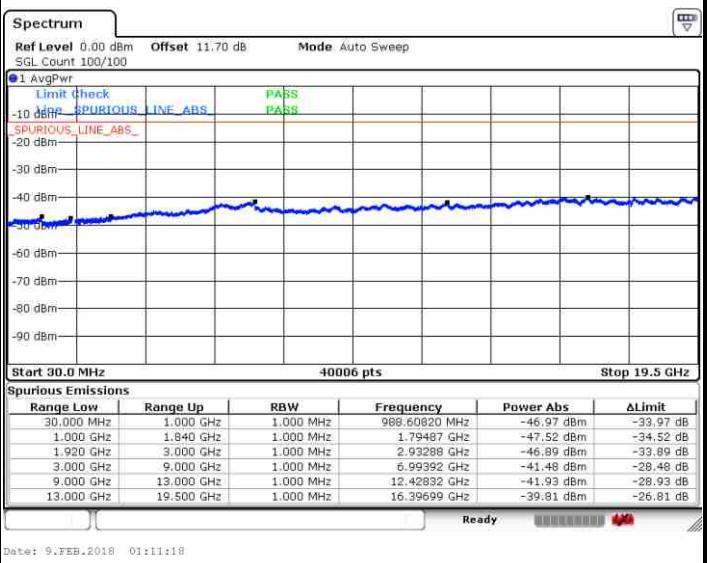
LTE Band 2 / 10MHz

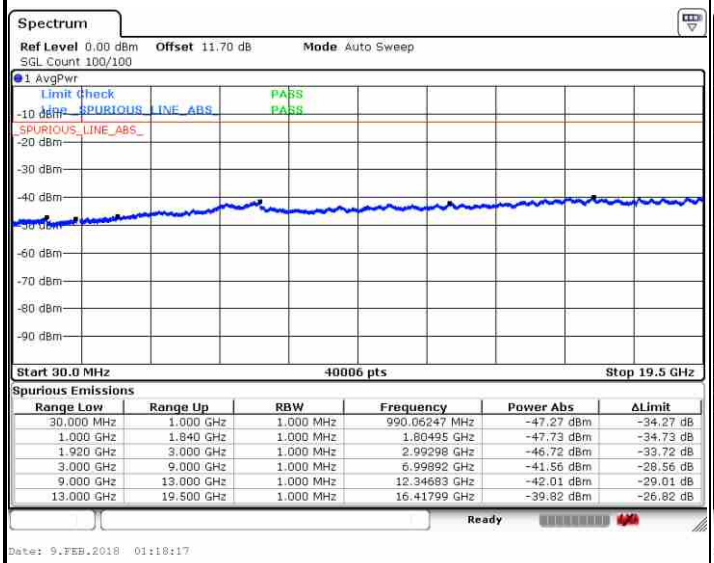
Middle Channel / QPSK



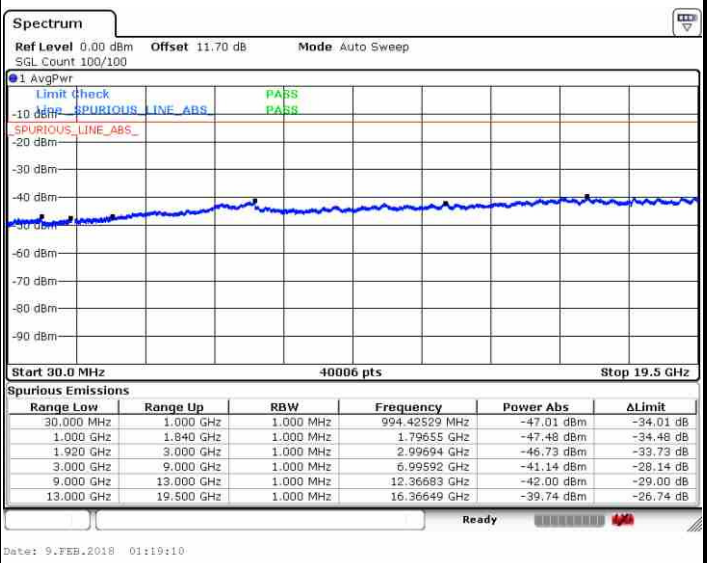
Middle Channel / 16QAM



Highest Channel / QPSK

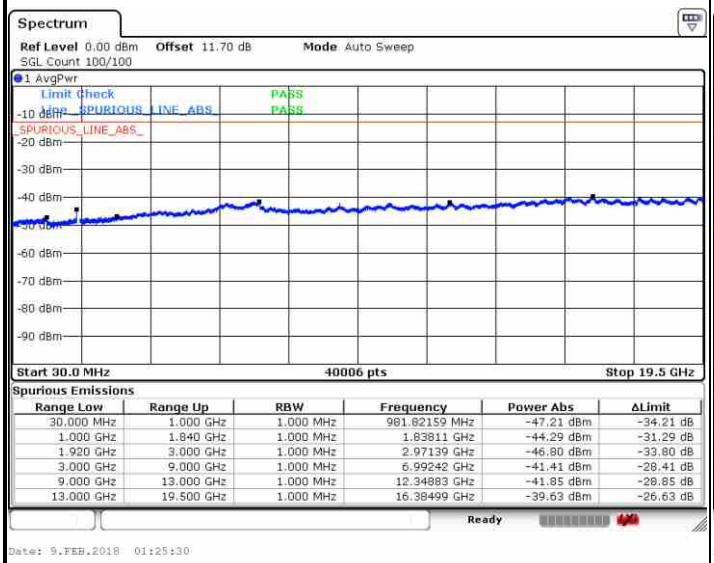


Highest Channel / 16QAM



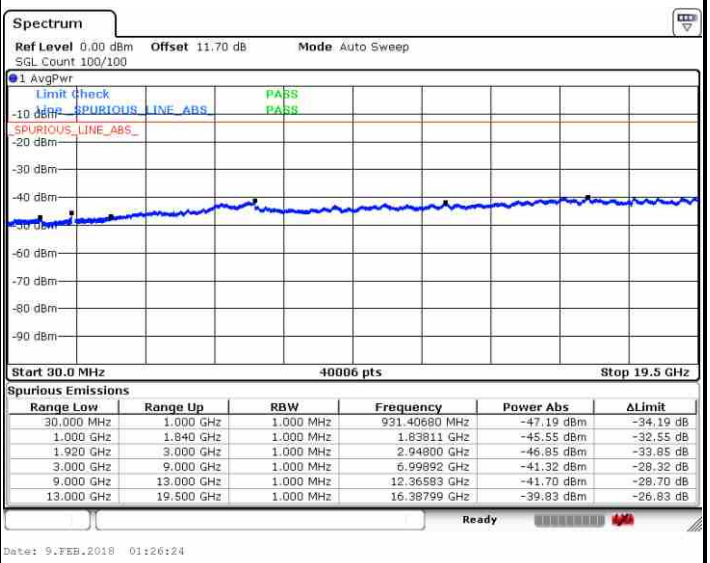
LTE Band 2 / 15MHz

Lowest Channel / QPSK



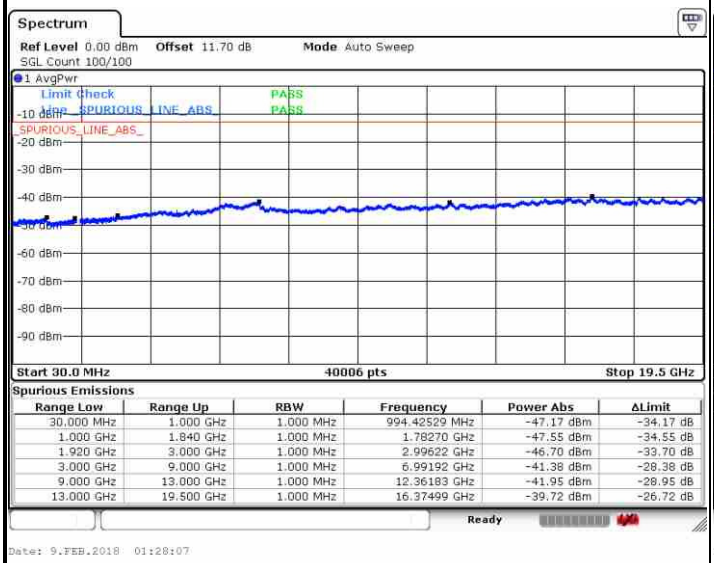
Date: 9.FEB.2018 01:25:30

Lowest Channel / 16QAM



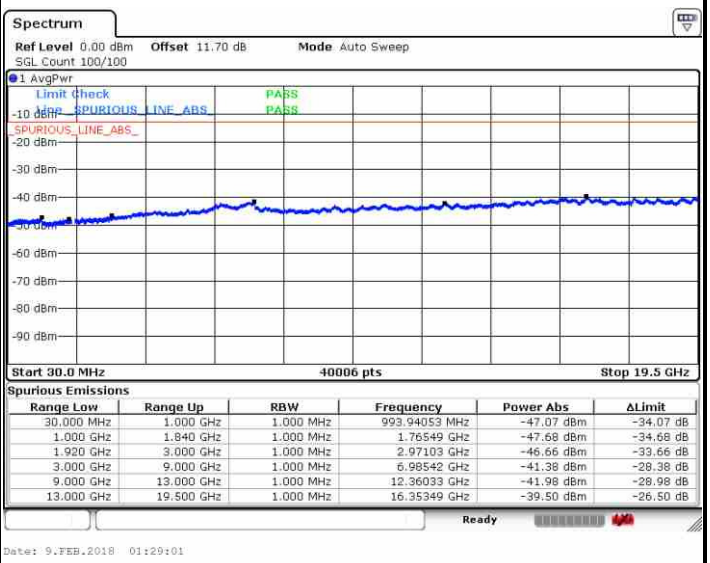
Date: 9.FEB.2018 01:26:24

Middle Channel / QPSK



Date: 9.FEB.2018 01:28:07

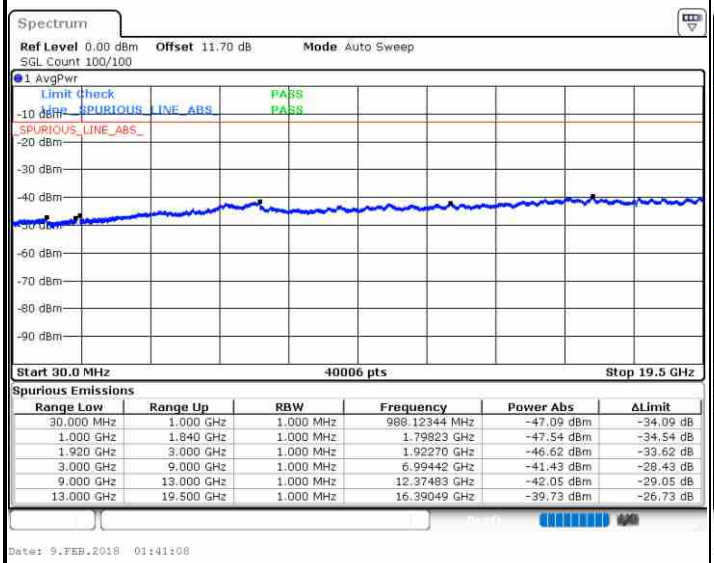
Middle Channel / 16QAM



Date: 9.FEB.2018 01:29:01

LTE Band 2 / 15MHz

Highest Channel / QPSK

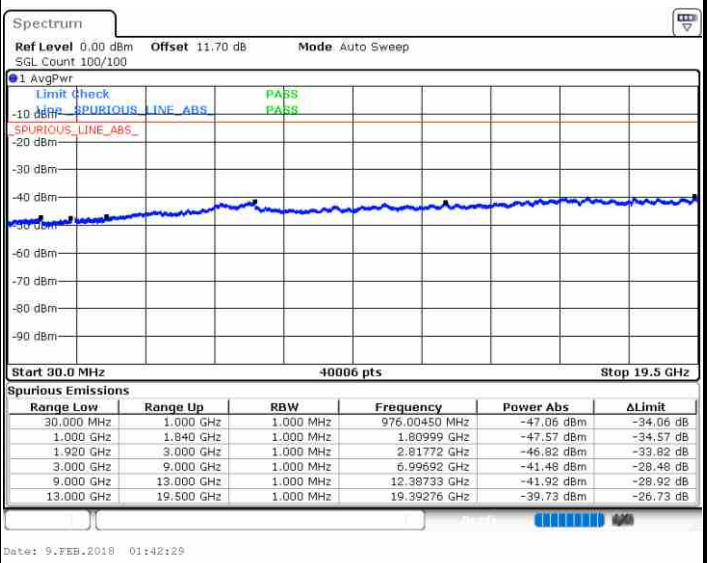


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	988.12344 MHz	-47.09 dBm	-34.09 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79823 GHz	-47.54 dBm	-34.54 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92270 GHz	-46.62 dBm	-33.62 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99442 GHz	-41.43 dBm	-28.43 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.37483 GHz	-42.05 dBm	-29.05 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.39049 GHz	-39.73 dBm	-26.73 dB

Date: 9.FEB.2018 01:41:08

Highest Channel / 16QAM



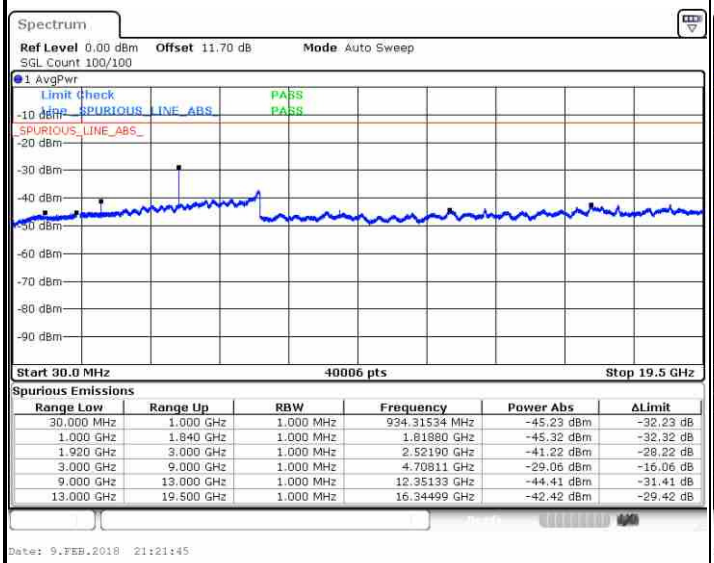
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.00450 MHz	-47.06 dBm	-34.06 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80999 GHz	-47.57 dBm	-34.57 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81772 GHz	-46.82 dBm	-33.82 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99692 GHz	-41.48 dBm	-28.48 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.38733 GHz	-41.92 dBm	-28.92 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.39276 GHz	-39.73 dBm	-26.73 dB

Date: 9.FEB.2018 01:42:29

LTE Band 2 / 20MHz

Lowest Channel / QPSK

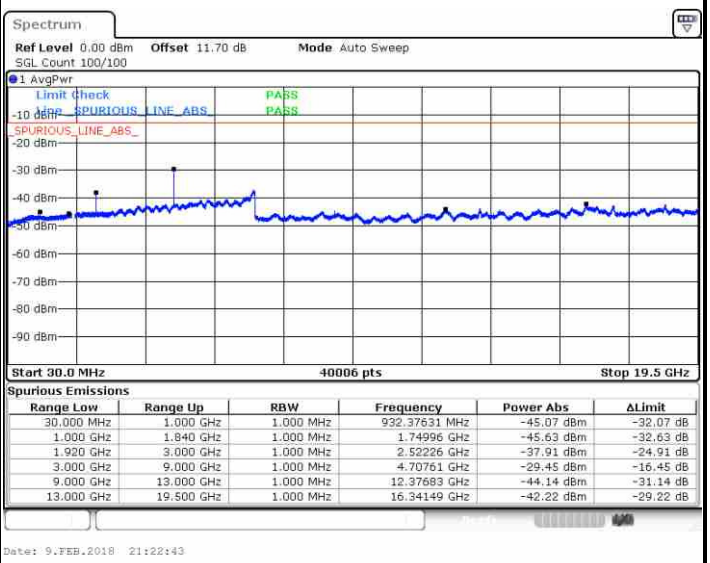


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	934.31534 MHz	-45.23 dBm	-32.23 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81880 GHz	-45.32 dBm	-32.32 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.52190 GHz	-41.22 dBm	-28.22 dB
3.000 GHz	9.000 GHz	1.000 MHz	4.70811 GHz	-29.06 dBm	-16.06 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.35133 GHz	-44.41 dBm	-31.41 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.34499 GHz	-42.42 dBm	-29.42 dB

Date: 9.FEB.2018 21:21:45

Lowest Channel / 16QAM



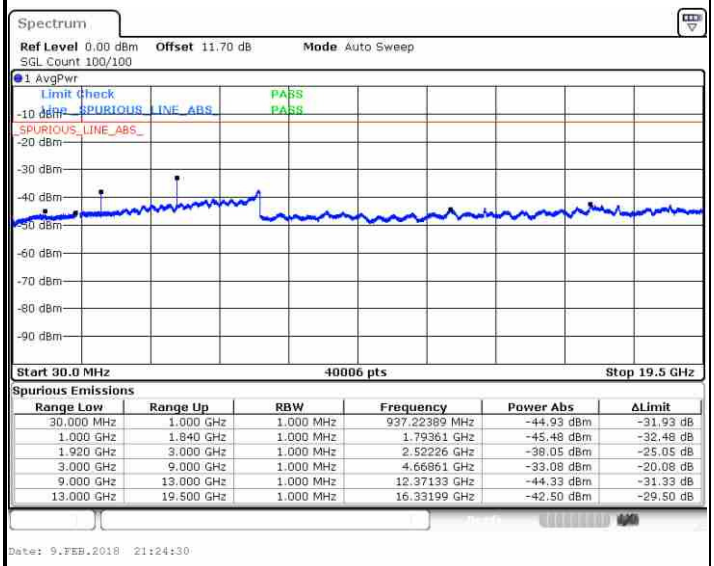
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	932.37631 MHz	-45.07 dBm	-32.07 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.74996 GHz	-45.63 dBm	-32.63 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.52226 GHz	-37.91 dBm	-24.91 dB
3.000 GHz	9.000 GHz	1.000 MHz	4.70761 GHz	-29.45 dBm	-16.45 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.37683 GHz	-44.14 dBm	-31.14 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.34149 GHz	-42.22 dBm	-29.22 dB

Date: 9.FEB.2018 21:22:43

LTE Band 2 / 20MHz

Middle Channel / QPSK

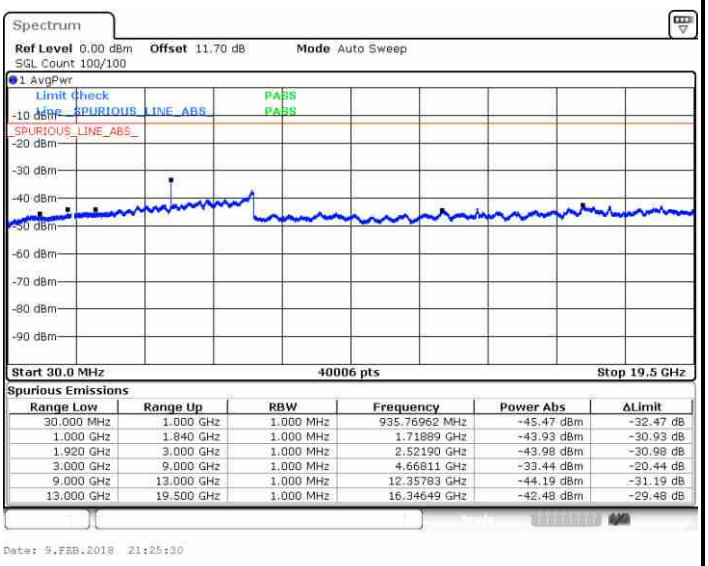


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	937.22389 MHz	-44.93 dBm	-31.93 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79361 GHz	-45.48 dBm	-32.48 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.52226 GHz	-38.05 dBm	-25.05 dB
3.000 GHz	9.000 GHz	1.000 MHz	4.66861 GHz	-33.08 dBm	-20.08 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.37133 GHz	-44.33 dBm	-31.33 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.33199 GHz	-42.50 dBm	-29.50 dB

Date: 9.FEB.2018 21:24:30

Middle Channel / 16QAM

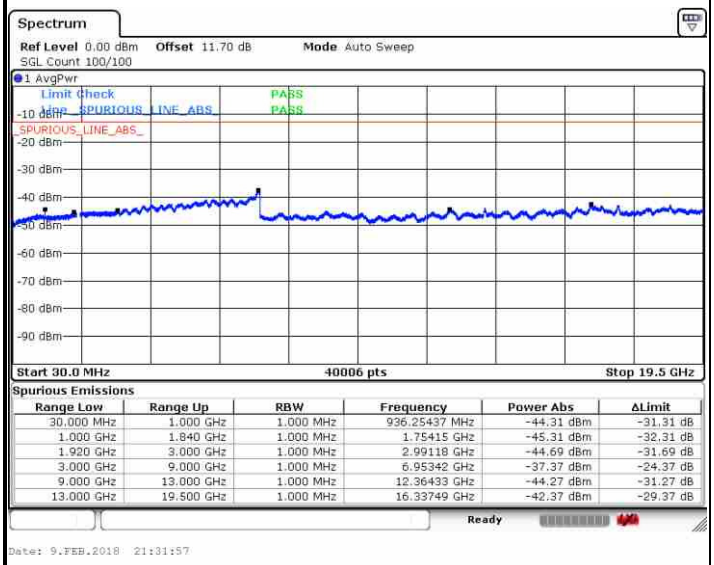


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.76962 MHz	-45.47 dBm	-32.47 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.71889 GHz	-43.93 dBm	-30.93 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.52190 GHz	-43.98 dBm	-30.98 dB
3.000 GHz	9.000 GHz	1.000 MHz	4.66811 GHz	-33.44 dBm	-20.44 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.35783 GHz	-44.19 dBm	-31.19 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.34649 GHz	-42.48 dBm	-29.48 dB

Date: 9.FEB.2018 21:25:30

Highest Channel / QPSK

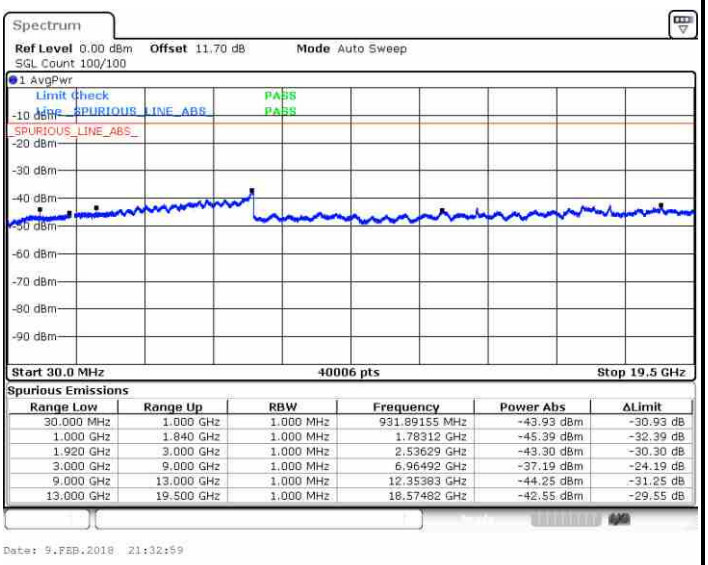


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	936.25437 MHz	-44.31 dBm	-31.31 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.75415 GHz	-45.31 dBm	-32.31 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99118 GHz	-44.69 dBm	-31.69 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.95342 GHz	-37.37 dBm	-24.37 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.36433 GHz	-44.27 dBm	-31.27 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.33749 GHz	-42.37 dBm	-29.37 dB

Date: 9.FEB.2018 21:31:57

Highest Channel / 16QAM



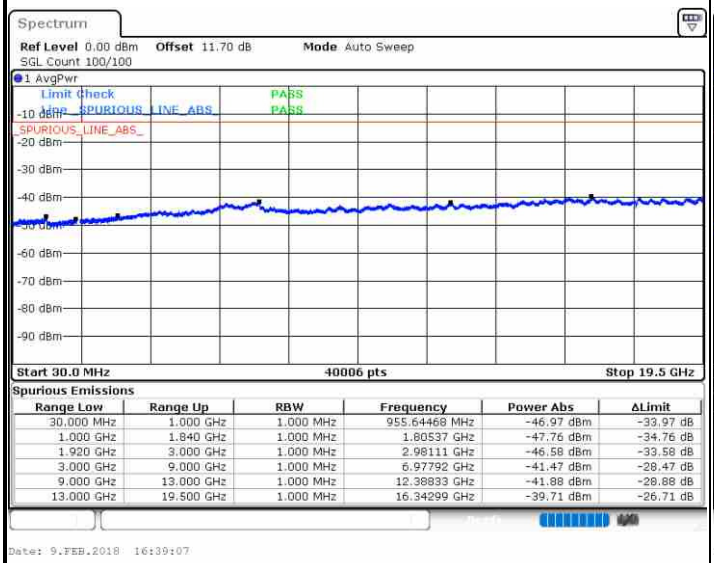
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	931.89155 MHz	-43.93 dBm	-30.93 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78312 GHz	-45.39 dBm	-32.39 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.53629 GHz	-43.30 dBm	-30.30 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96492 GHz	-37.19 dBm	-24.19 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.35383 GHz	-44.25 dBm	-31.25 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.57482 GHz	-42.55 dBm	-29.55 dB

Date: 9.FEB.2018 21:32:59

LTE Band 2 / 1.4MHz

Lowest Channel / 64QAM

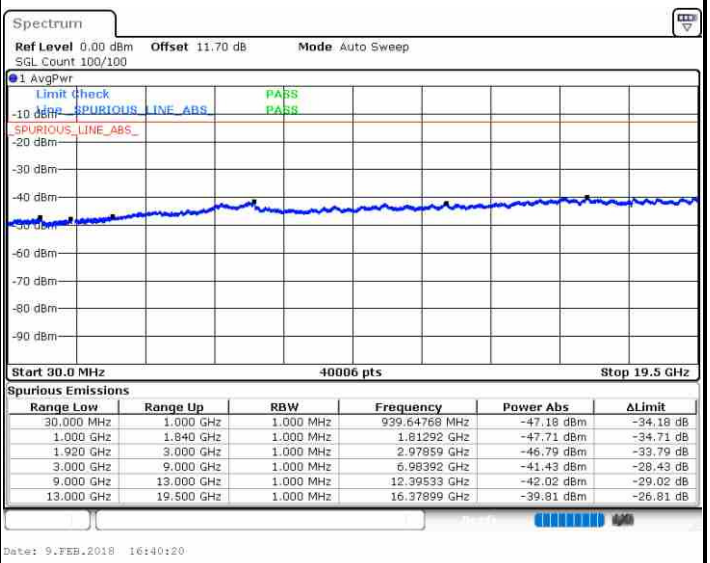


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	955.64468 MHz	-46.97 dBm	-33.97 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80537 GHz	-47.76 dBm	-34.76 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98111 GHz	-46.58 dBm	-33.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97792 GHz	-41.47 dBm	-28.47 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.38833 GHz	-41.88 dBm	-28.88 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.34299 GHz	-39.71 dBm	-26.71 dB

Date: 9.FEB.2018 16:39:07

Middle Channel / 64QAM

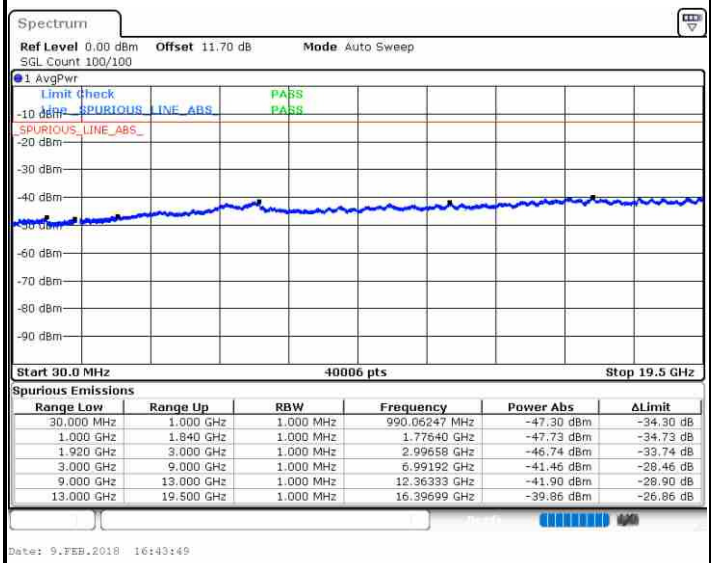


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	939.64768 MHz	-47.18 dBm	-34.18 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81292 GHz	-47.71 dBm	-34.71 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97859 GHz	-46.79 dBm	-33.79 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98392 GHz	-41.43 dBm	-28.43 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.39533 GHz	-42.02 dBm	-29.02 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.37899 GHz	-39.81 dBm	-26.81 dB

Date: 9.FEB.2018 16:40:20

Highest Channel / 64QAM



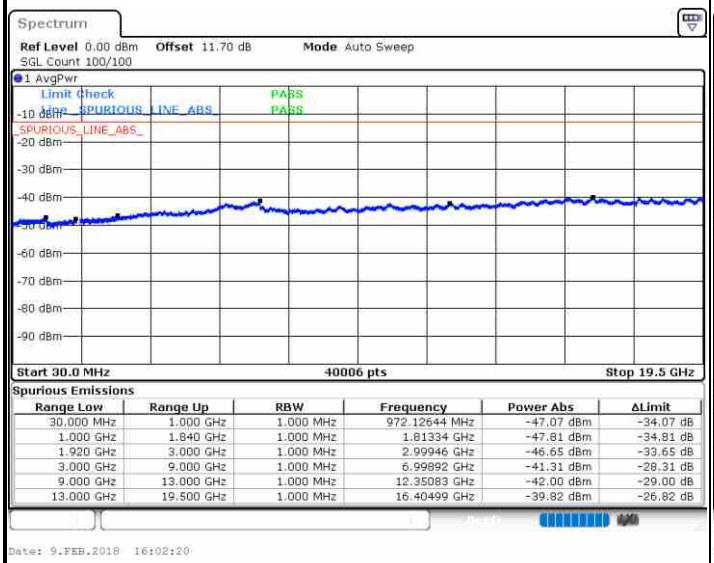
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.06247 MHz	-47.30 dBm	-34.30 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.77640 GHz	-47.73 dBm	-34.73 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99658 GHz	-46.74 dBm	-33.74 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99192 GHz	-41.46 dBm	-28.46 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.36333 GHz	-41.90 dBm	-28.90 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.39699 GHz	-39.86 dBm	-26.86 dB

Date: 9.FEB.2018 16:43:49

LTE Band 2 / 3MHz

Lowest Channel / 64QAM

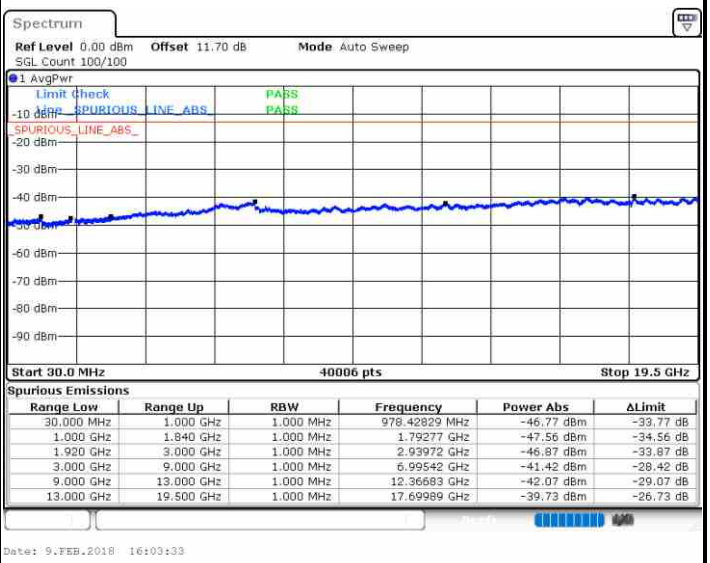


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	972.12644 MHz	-47.07 dBm	-34.07 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81334 GHz	-47.81 dBm	-34.81 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99946 GHz	-46.65 dBm	-33.65 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99892 GHz	-41.31 dBm	-28.31 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.35083 GHz	-42.00 dBm	-29.00 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.40499 GHz	-39.82 dBm	-26.82 dB

Date: 9.FEB.2018 16:02:20

Middle Channel / 64QAM

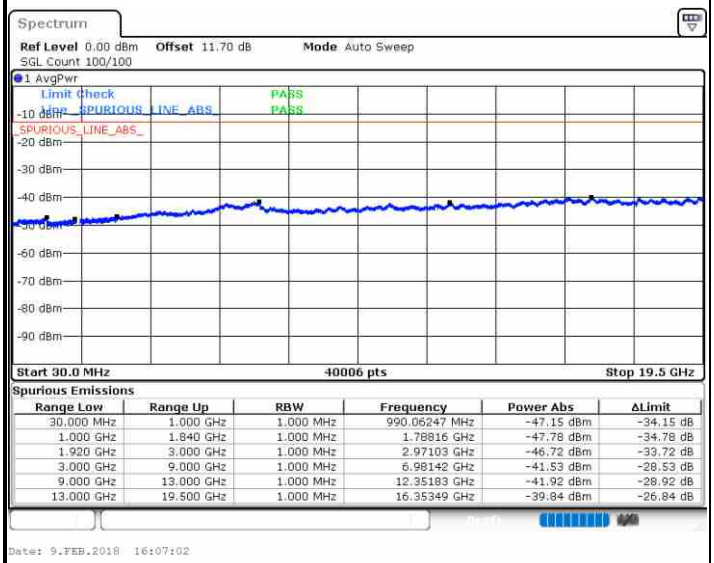


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	978.42829 MHz	-46.77 dBm	-33.77 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79277 GHz	-47.56 dBm	-34.56 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.93972 GHz	-46.87 dBm	-33.87 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99542 GHz	-41.42 dBm	-28.42 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.36683 GHz	-42.07 dBm	-29.07 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.69989 GHz	-39.73 dBm	-26.73 dB

Date: 9.FEB.2018 16:03:33

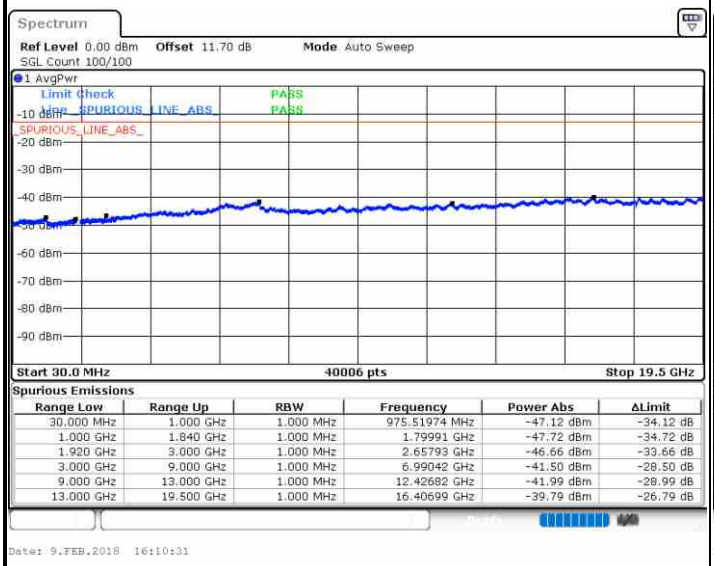
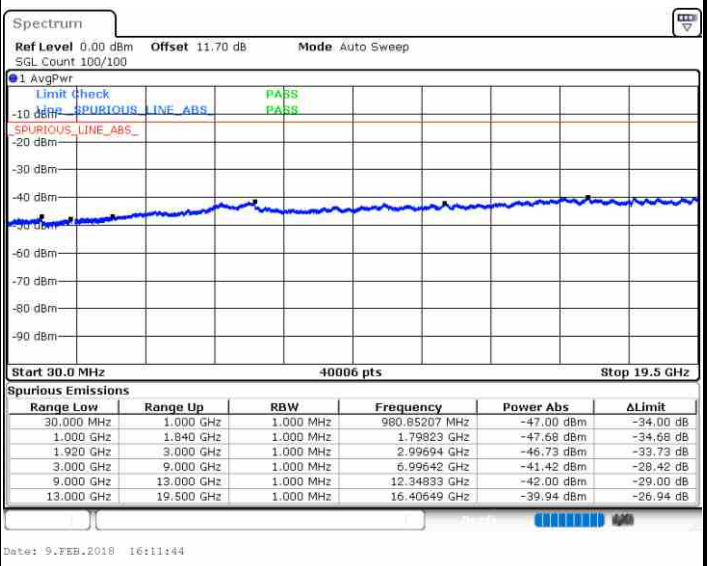
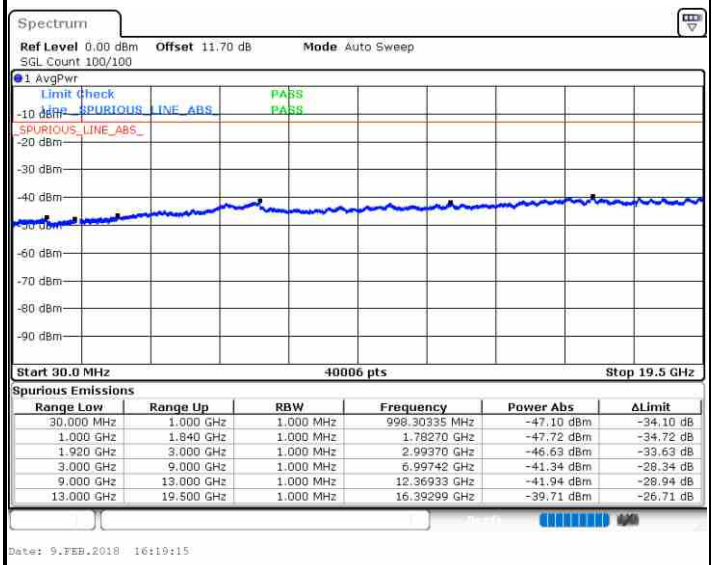
Highest Channel / 64QAM

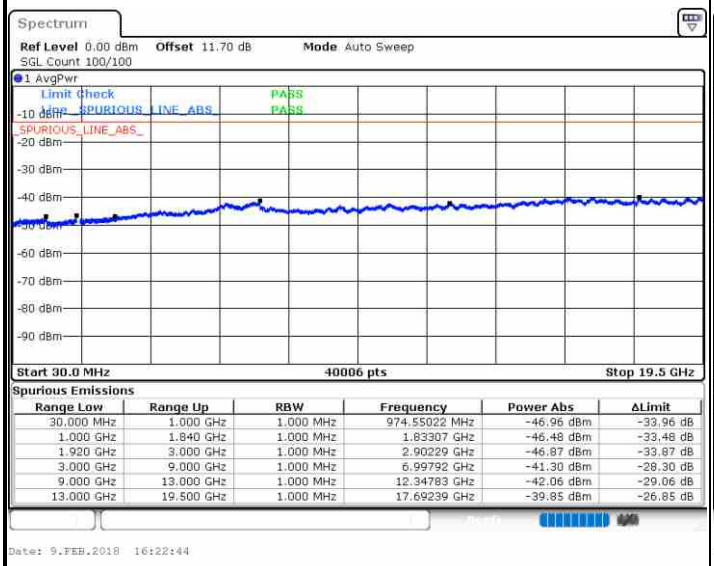
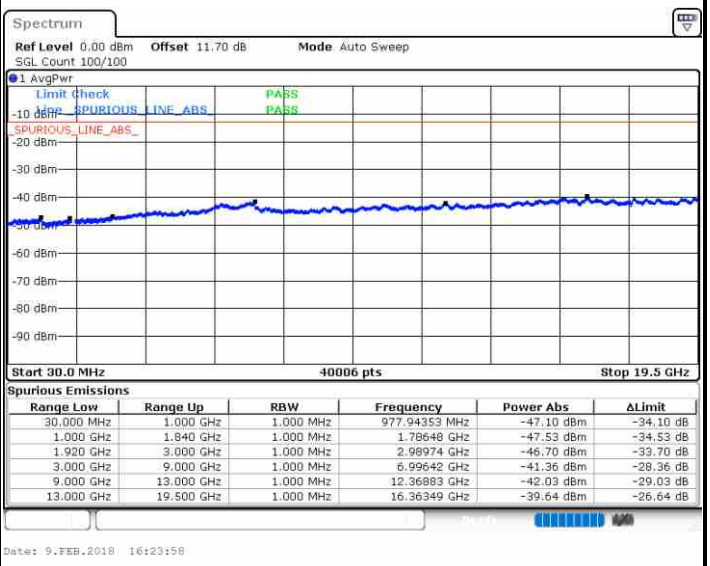
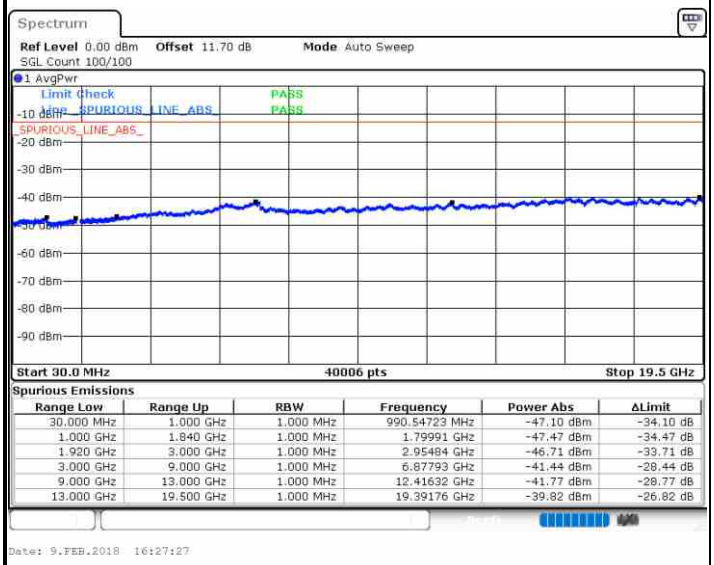


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.06247 MHz	-47.15 dBm	-34.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78816 GHz	-47.78 dBm	-34.78 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97103 GHz	-46.72 dBm	-33.72 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98142 GHz	-41.53 dBm	-28.53 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.35183 GHz	-41.92 dBm	-28.92 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.35349 GHz	-39.84 dBm	-26.84 dB

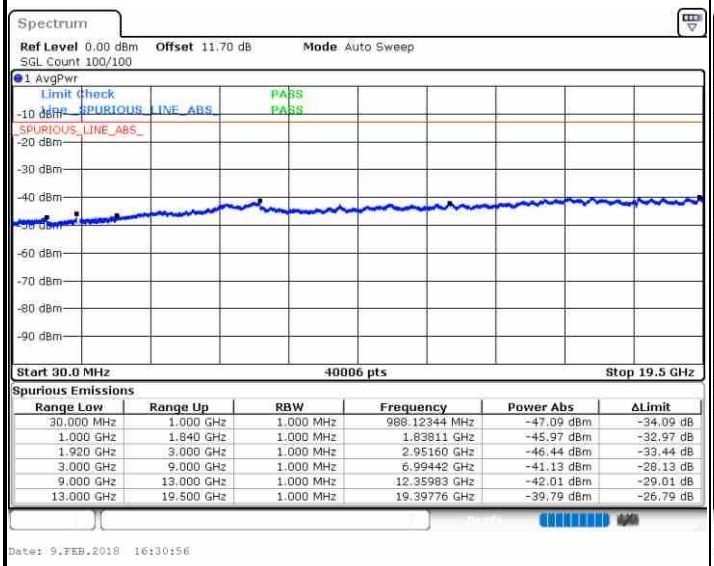
Date: 9.FEB.2018 16:07:02

LTE Band 2 / 5MHz	
Lowest Channel / 64QAM	**Middle Channel / 64QAM**
	
Highest Channel / 64QAM	
	

LTE Band 2 / 10MHz	
Lowest Channel / 64QAM	**Middle Channel / 64QAM**
	
Highest Channel / 64QAM	
	

LTE Band 2 / 15MHz

Lowest Channel / 64QAM

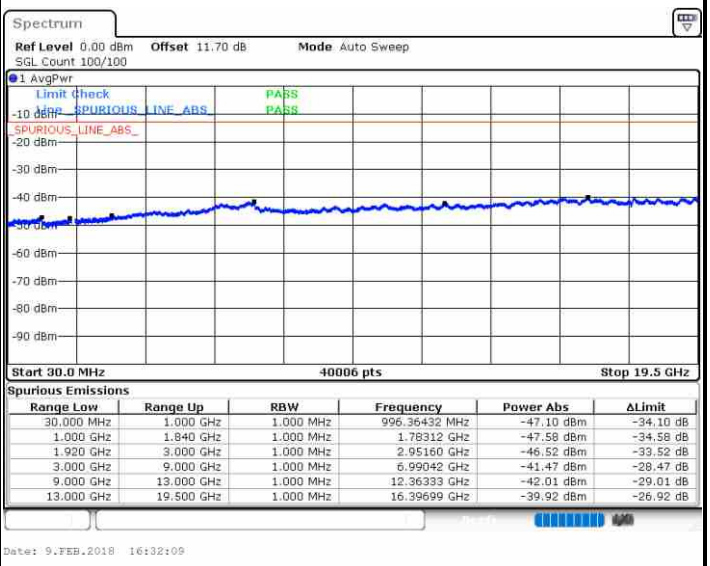


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	988.12344 MHz	-47.09 dBm	-34.09 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83811 GHz	-45.97 dBm	-32.97 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.95160 GHz	-46.44 dBm	-33.44 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99442 GHz	-41.13 dBm	-28.13 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.35983 GHz	-42.01 dBm	-29.01 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.39776 GHz	-39.79 dBm	-26.79 dB

Date: 9.FEB.2018 16:30:56

Middle Channel / 64QAM

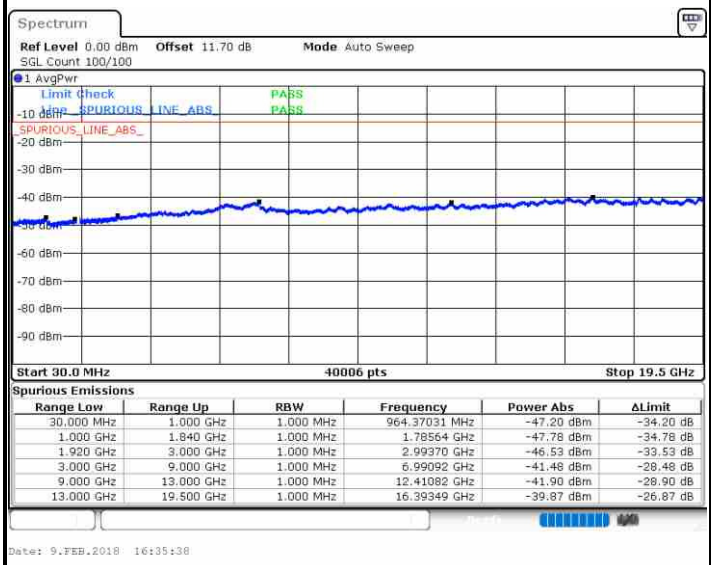


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	996.36432 MHz	-47.10 dBm	-34.10 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78312 GHz	-47.58 dBm	-34.58 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.95160 GHz	-46.52 dBm	-33.52 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99042 GHz	-41.47 dBm	-28.47 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.36333 GHz	-42.01 dBm	-29.01 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.39699 GHz	-39.92 dBm	-26.92 dB

Date: 9.FEB.2018 16:32:09

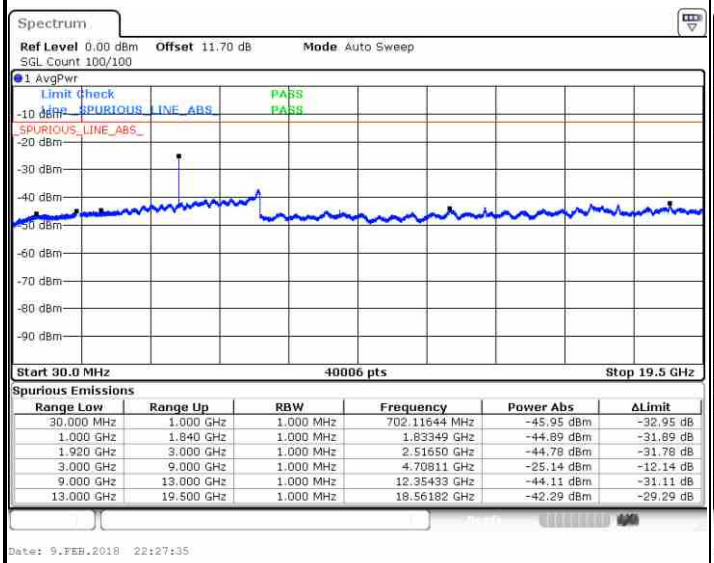
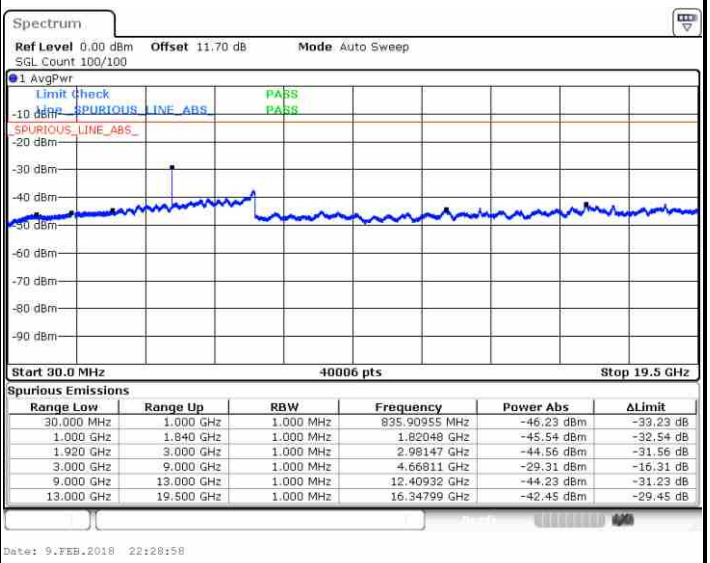
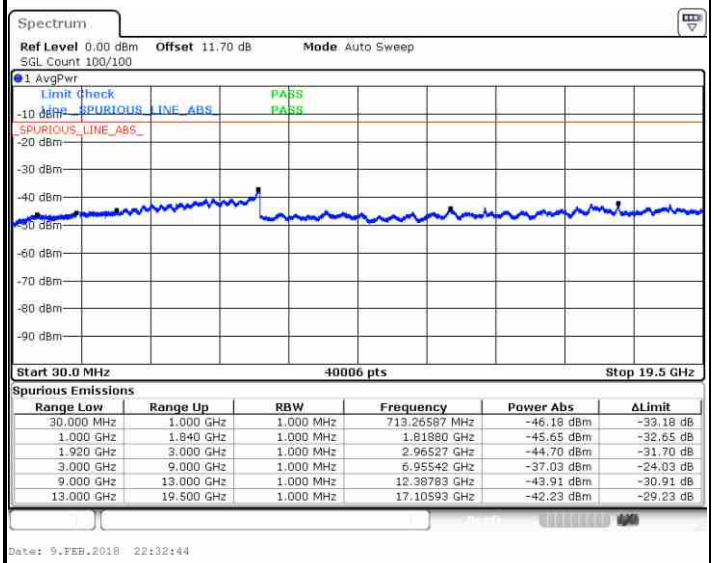
Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	964.37031 MHz	-47.20 dBm	-34.20 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78564 GHz	-47.78 dBm	-34.78 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99370 GHz	-46.53 dBm	-33.53 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99092 GHz	-41.48 dBm	-28.48 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.41082 GHz	-41.90 dBm	-28.90 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.39349 GHz	-39.87 dBm	-26.87 dB

Date: 9.FEB.2018 16:35:38

LTE Band 2 / 20MHz	
Lowest Channel / 64QAM	**Middle Channel / 64QAM**
	
Highest Channel / 64QAM	
	

Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0080	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0073	
0	Normal Voltage	0.0077	
-10	Normal Voltage	0.0074	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0072	
20	Maximum Voltage	0.0066	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

3. Normal Voltage =3.82 V.；Battery End Point (BEP) =3.6 V.；Maximum Voltage =4.4 V.

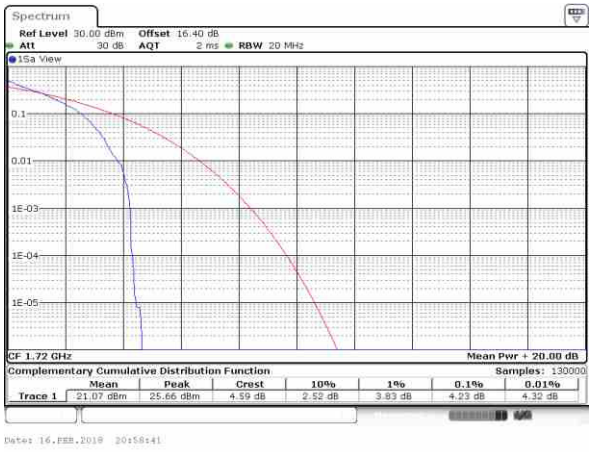
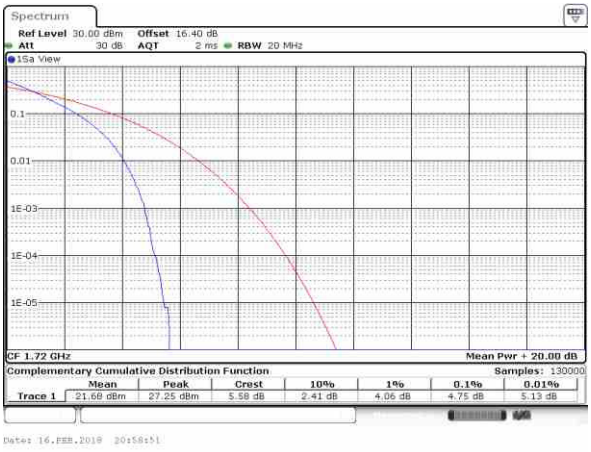
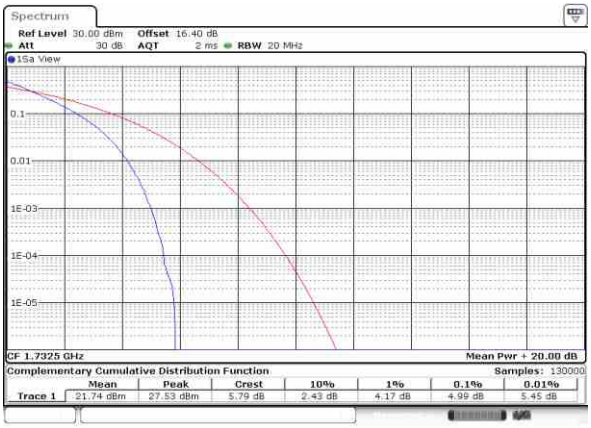
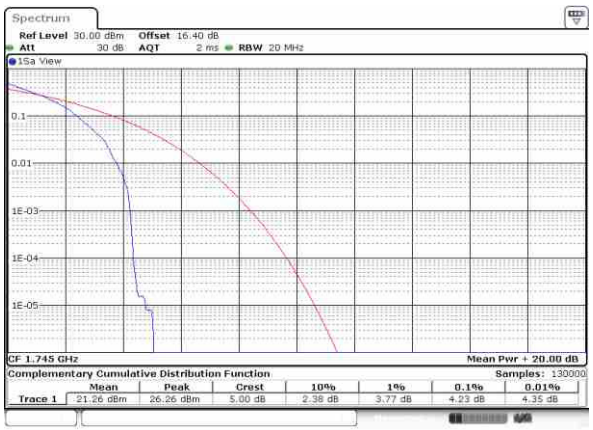
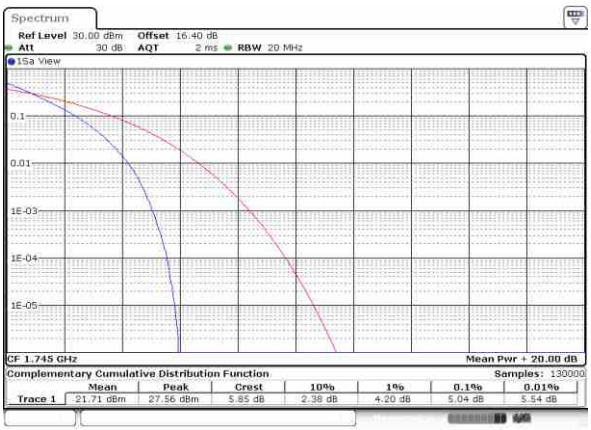
4. Note: The frequency fundamental emissions stay within the authorized frequency block.

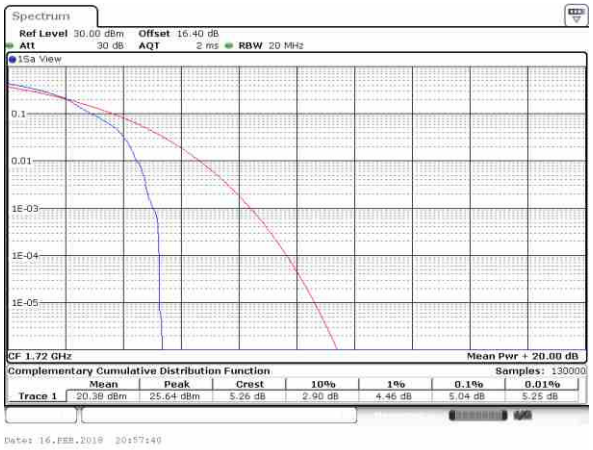
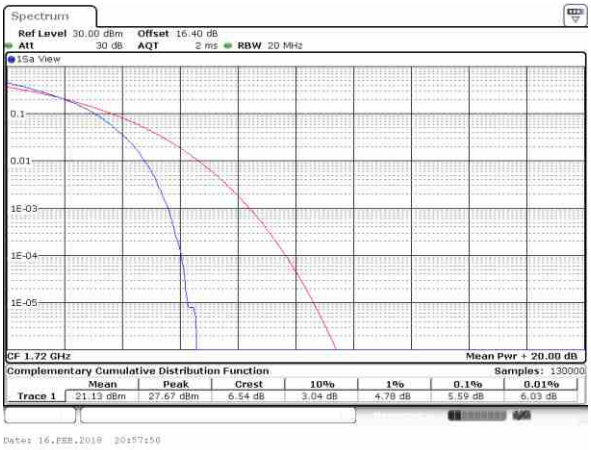
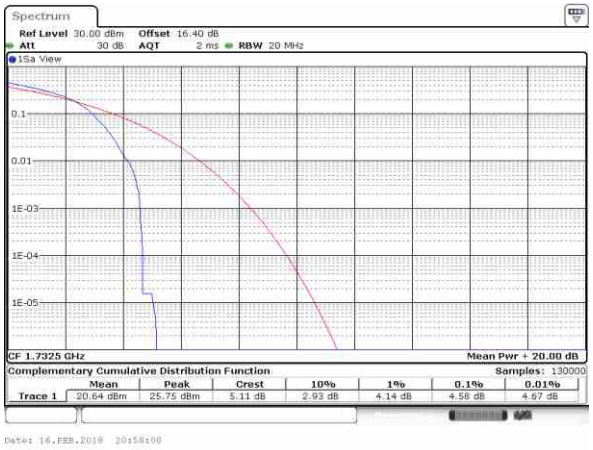
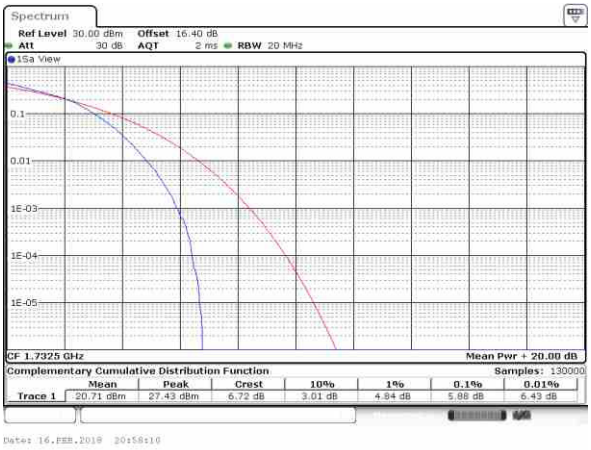
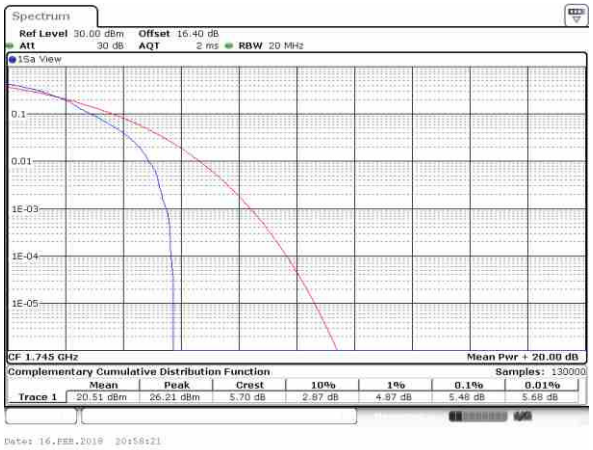
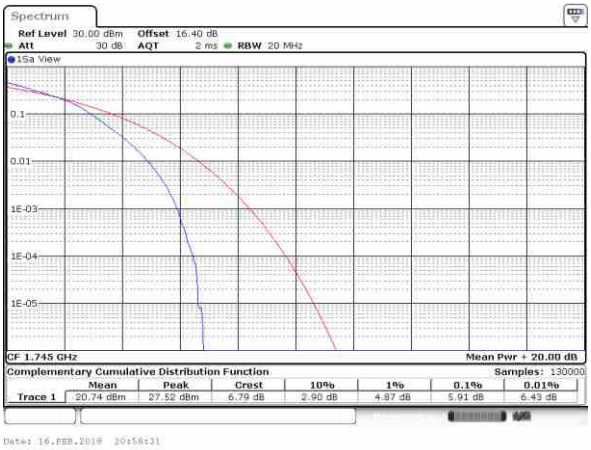
A4. LTE Band 4

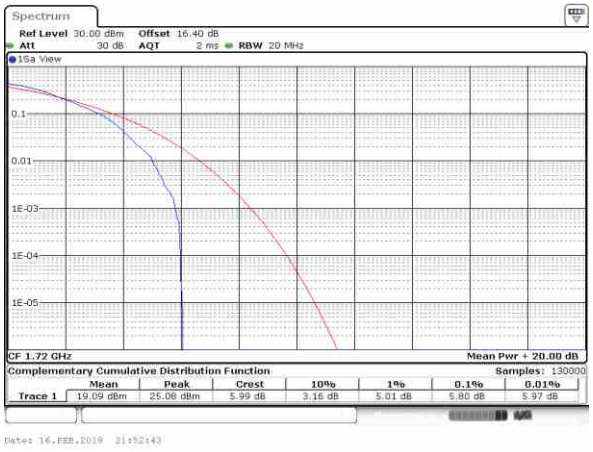
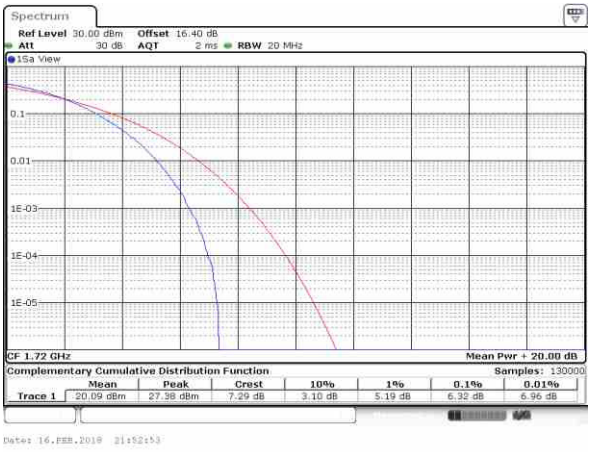
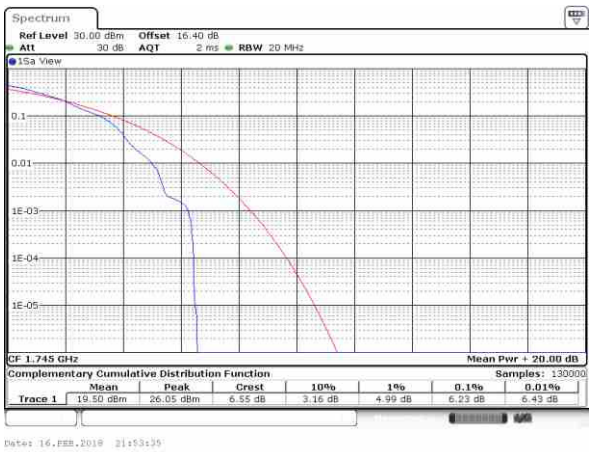
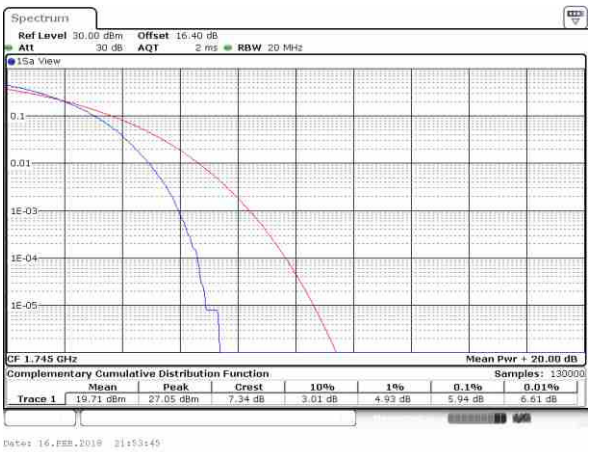
<For Up Antenna>

Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.23	4.75	5.04	5.59	PASS
Middle CH	3.62	4.99	4.58	5.88	
Highest CH	4.23	5.04	5.48	5.91	
Mode	LTE Band 4 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.80	6.32	-	-	PASS
Middle CH	5.07	6.14	-	-	
Highest CH	6.23	5.94	-	-	

LTE Band 4 / 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 4 / 20MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

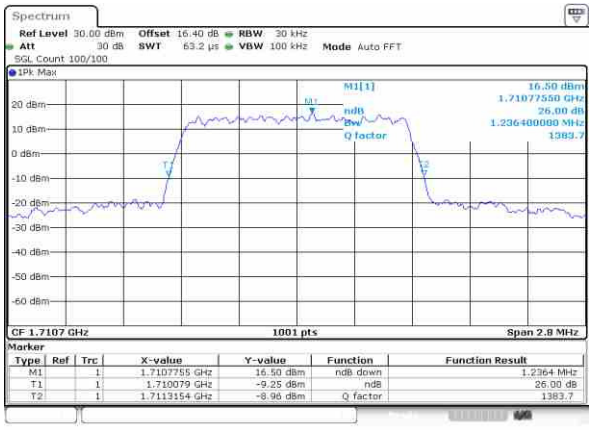
LTE Band 4 / 20MHz / 64QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
Highest Channel / 1RB	**Highest Channel / Full RB**
	

26dB Bandwidth

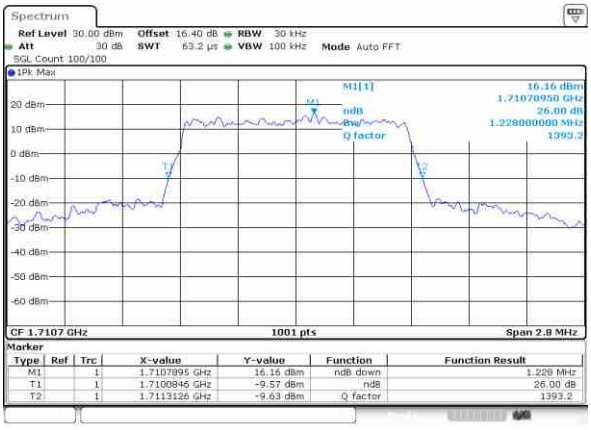
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.24	1.23	3.06	3.04	4.91	4.82	9.83	9.81	14.48	14.87	20.26	20.46
Middle CH	1.22	1.23	3.00	3.03	4.95	4.90	9.91	9.81	14.45	14.75	20.34	20.14
Highest CH	1.25	1.24	3.05	2.98	4.92	4.88	9.75	9.93	14.39	14.99	20.18	20.18
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.24	-	3.02	-	4.96	-	9.81	-	14.48	-	20.26	-
Middle CH	1.25	-	3.02	-	4.80	-	9.87	-	14.51	-	20.14	-
Highest CH	1.23	-	3.01	-	4.90	-	10.01	-	14.51	-	20.18	-

LTE Band 4

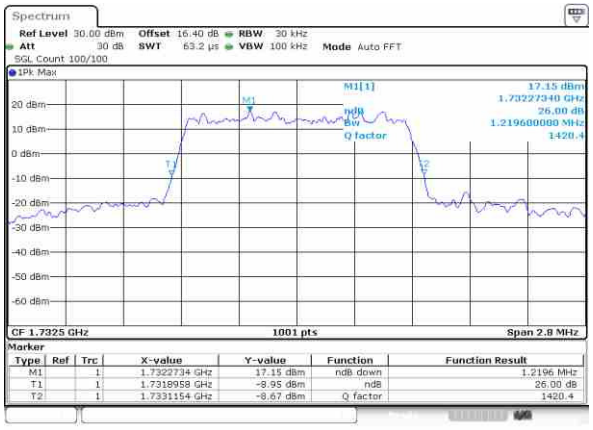
Lowest Channel / 1.4MHz / QPSK



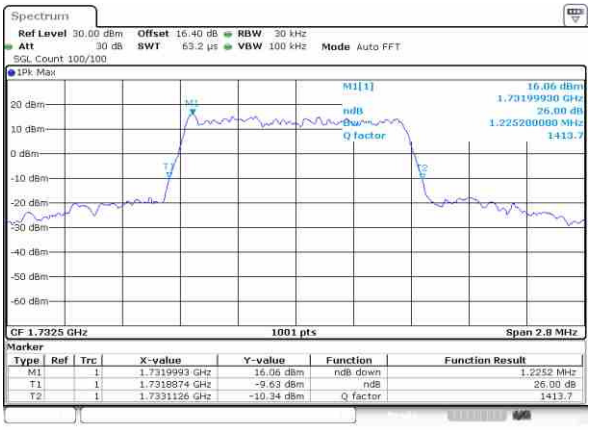
Lowest Channel / 1.4MHz / 16QAM



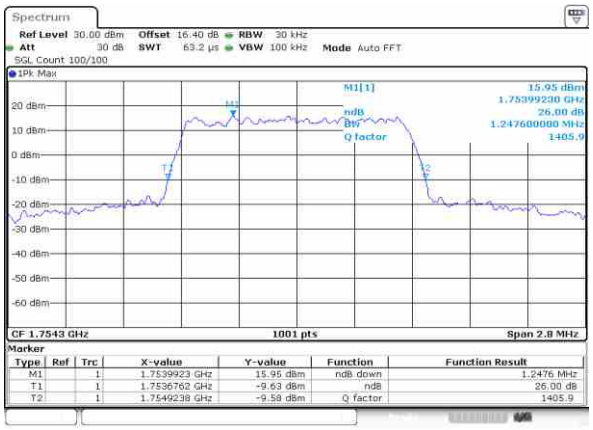
Middle Channel / 1.4MHz / QPSK



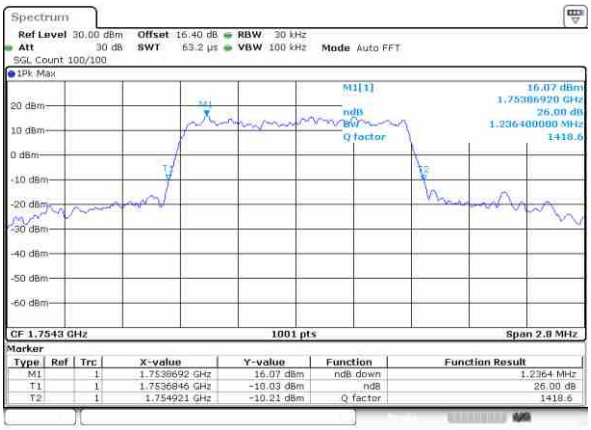
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

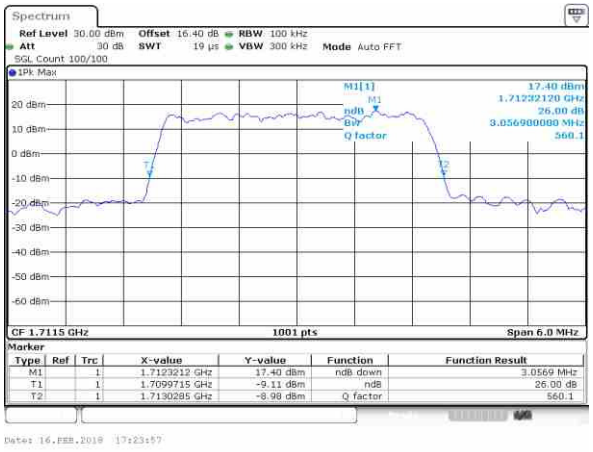


Highest Channel / 1.4MHz / 16QAM

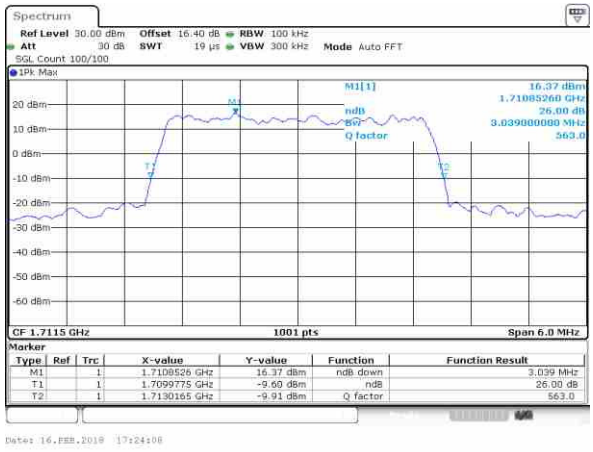


LTE Band 4

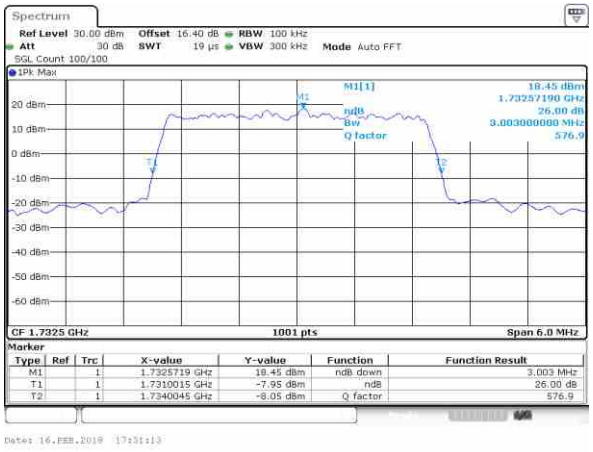
Lowest Channel / 3MHz / QPSK



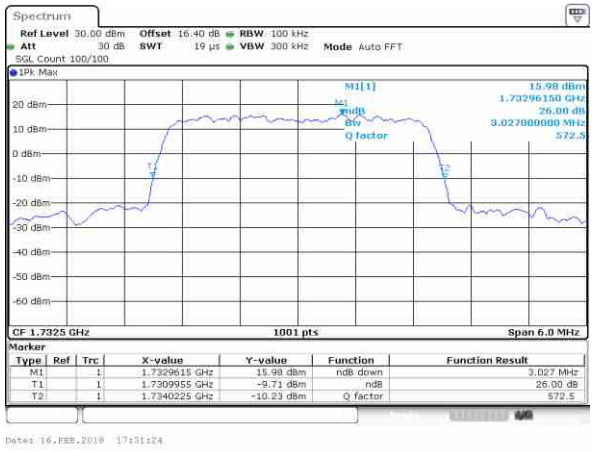
Lowest Channel / 3MHz / 16QAM



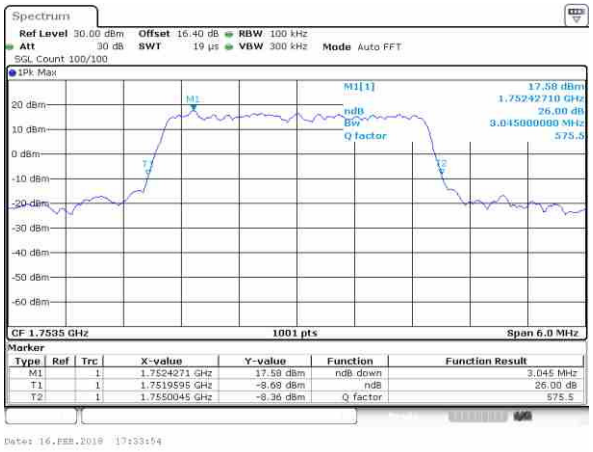
Middle Channel / 3MHz / QPSK



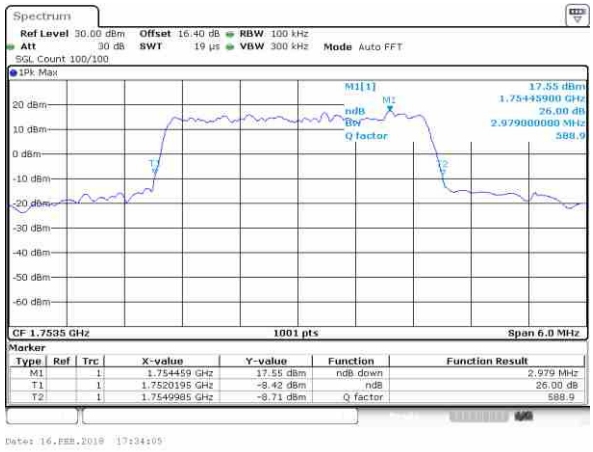
Middle Channel / 3MHz / 16QAM

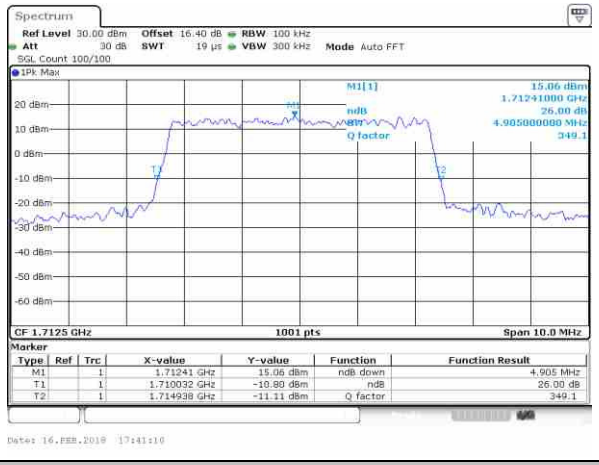
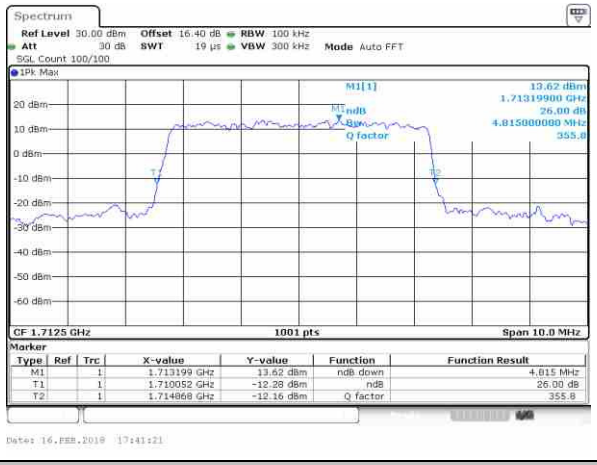
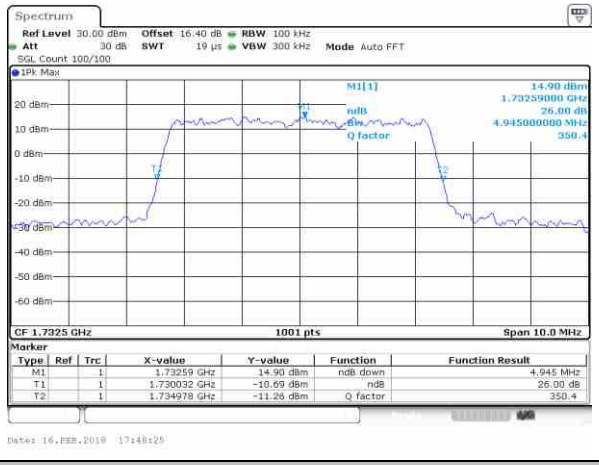
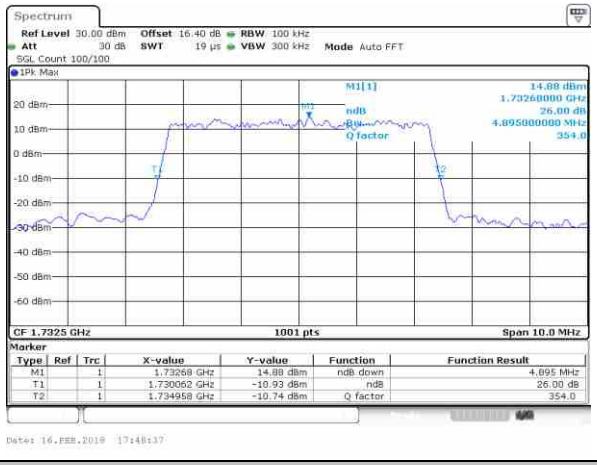
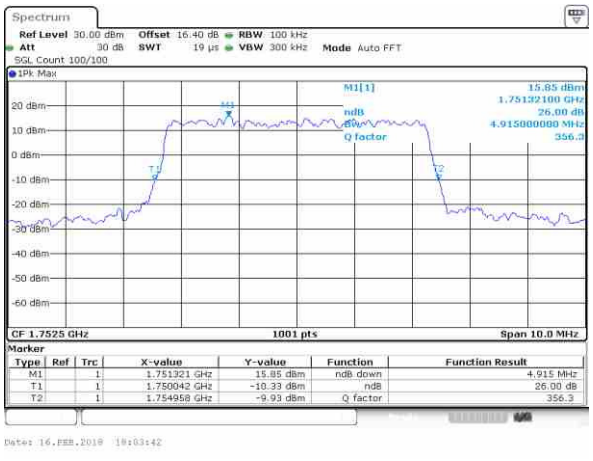
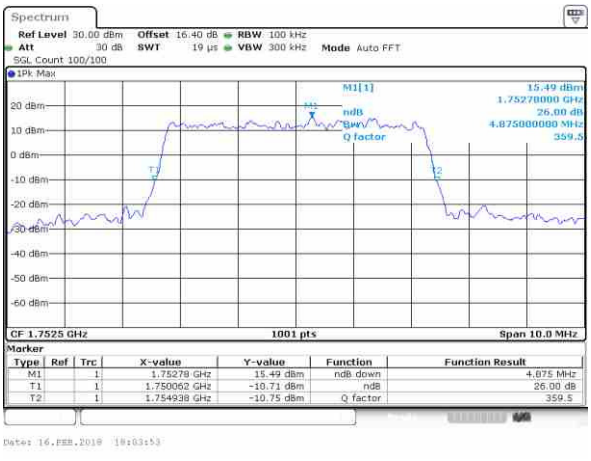


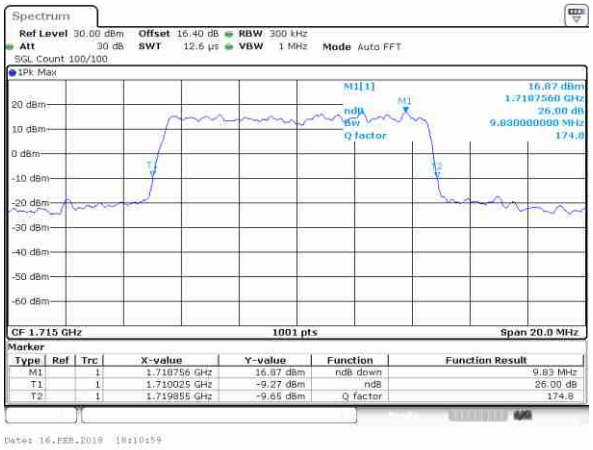
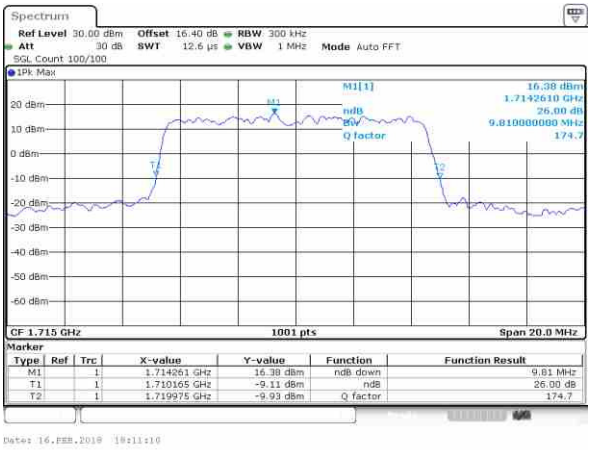
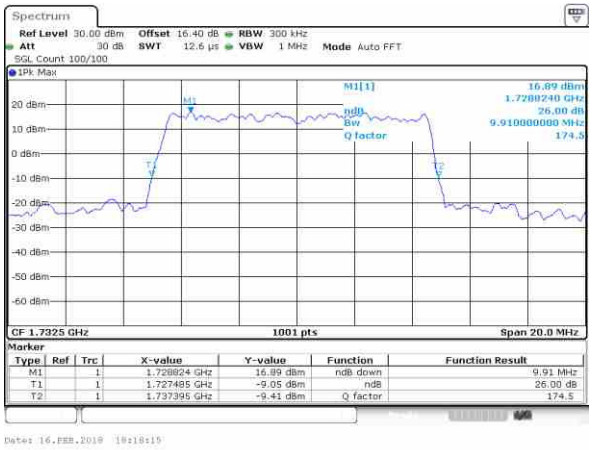
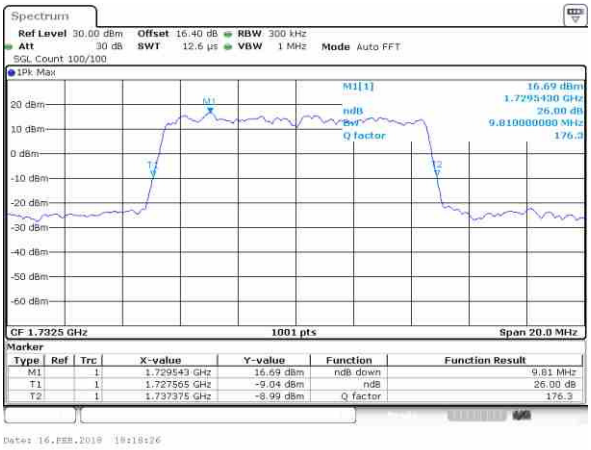
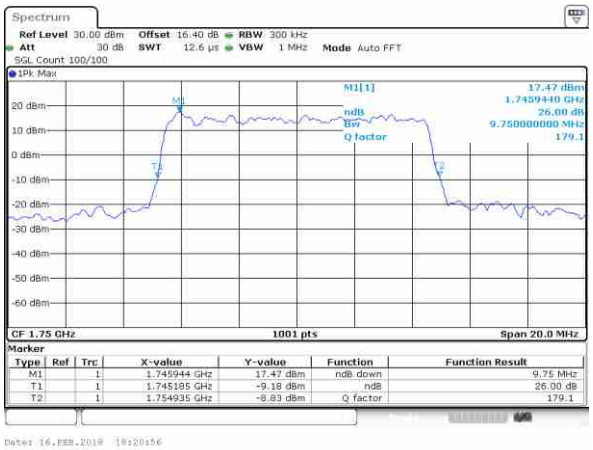
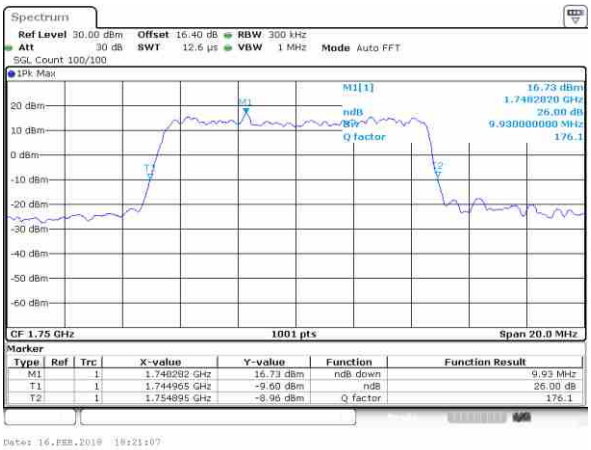
Highest Channel / 3MHz / QPSK

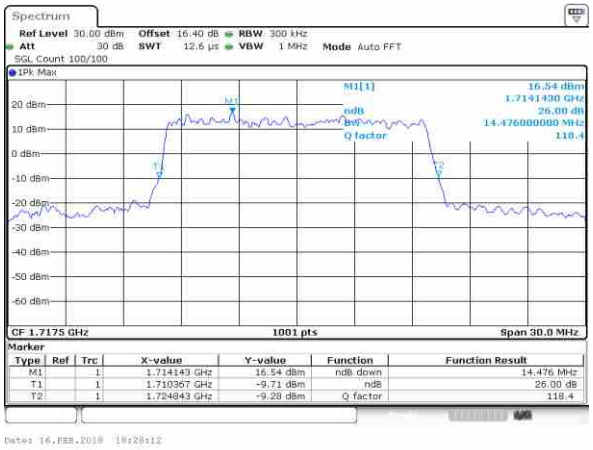
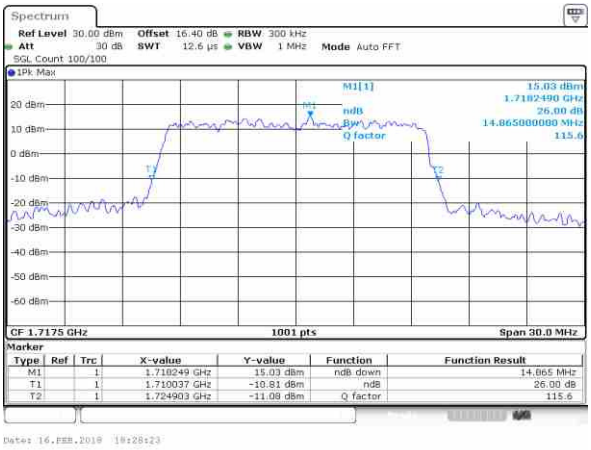
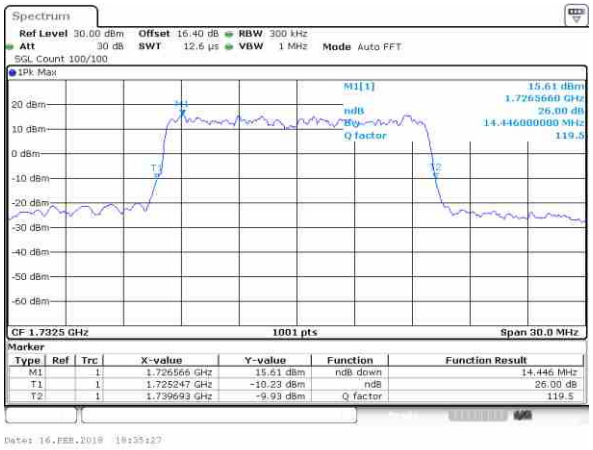
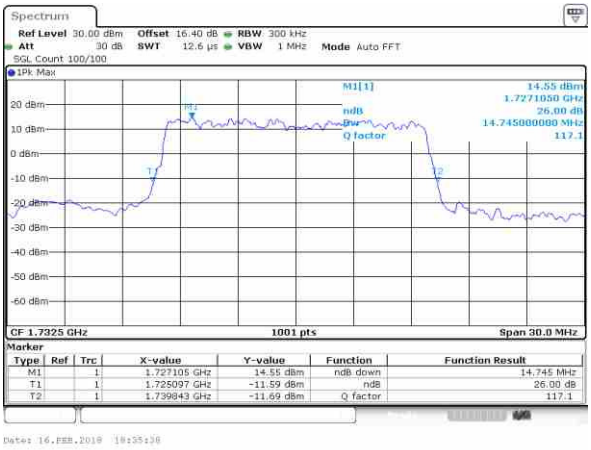
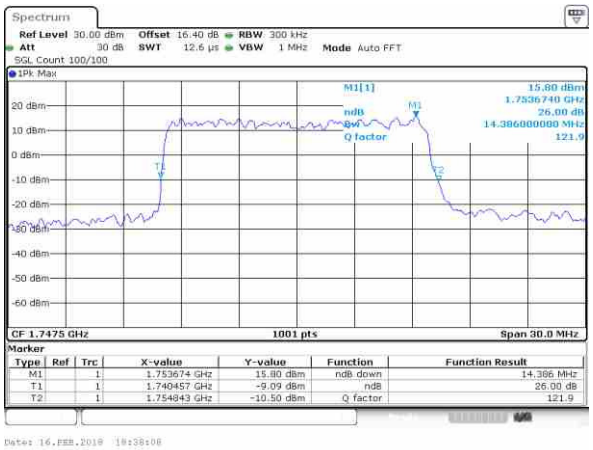
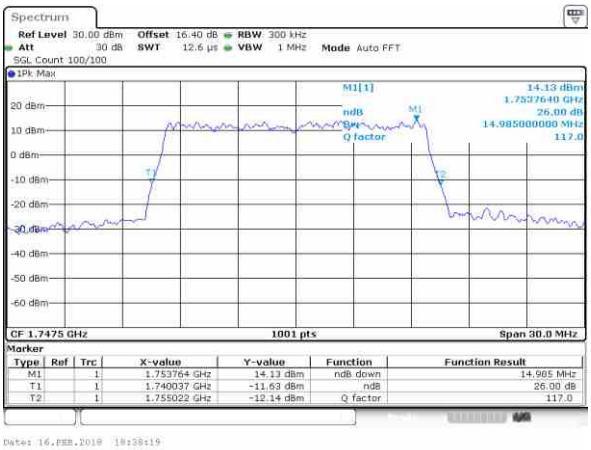


Highest Channel / 3MHz / 16QAM



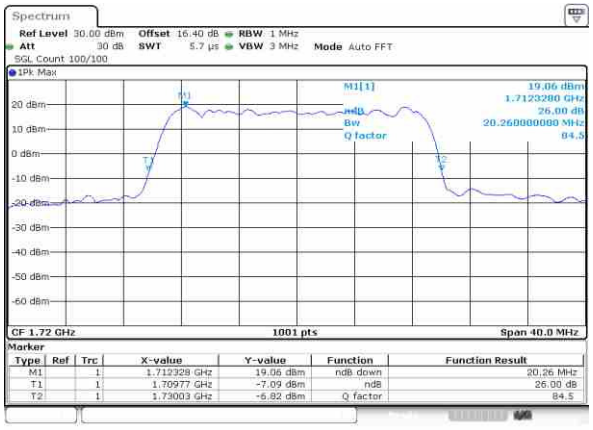
LTE Band 4	
Lowest Channel / 5MHz / QPSK	**Lowest Channel / 5MHz / 16QAM**
	
Middle Channel / 5MHz / QPSK	**Middle Channel / 5MHz / 16QAM**
	
Highest Channel / 5MHz / QPSK	**Highest Channel / 5MHz / 16QAM**
	

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**
	

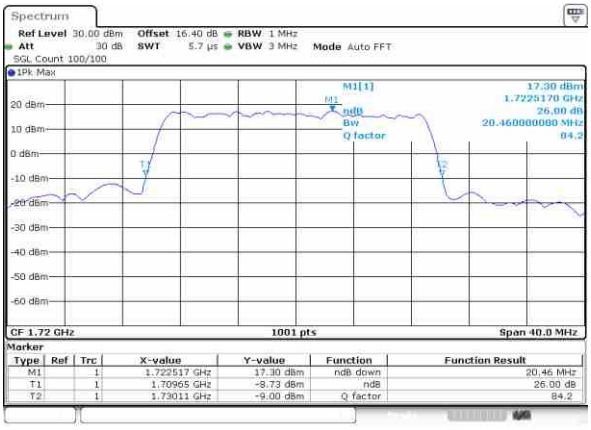
LTE Band 4	
Lowest Channel / 15MHz / QPSK	**Lowest Channel / 15MHz / 16QAM**
	
Middle Channel / 15MHz / QPSK	**Middle Channel / 15MHz / 16QAM**
	
Highest Channel / 15MHz / QPSK	**Highest Channel / 15MHz / 16QAM**
	

LTE Band 4

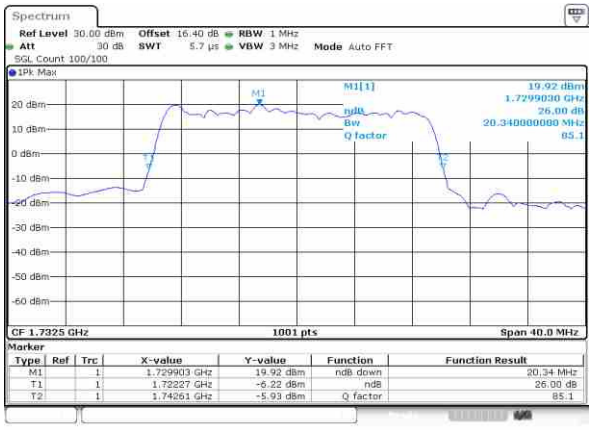
Lowest Channel / 20MHz / QPSK



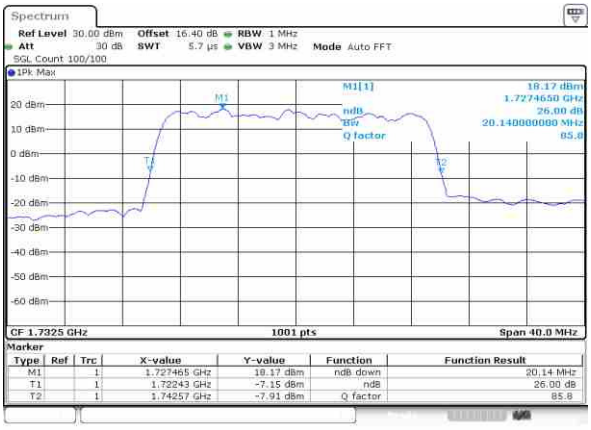
Lowest Channel / 20MHz / 16QAM



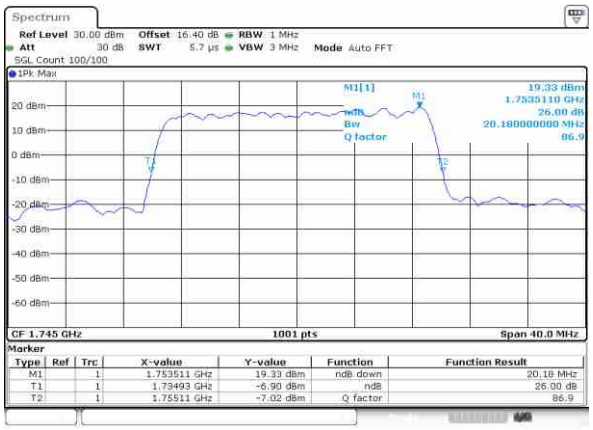
Middle Channel / 20MHz / QPSK



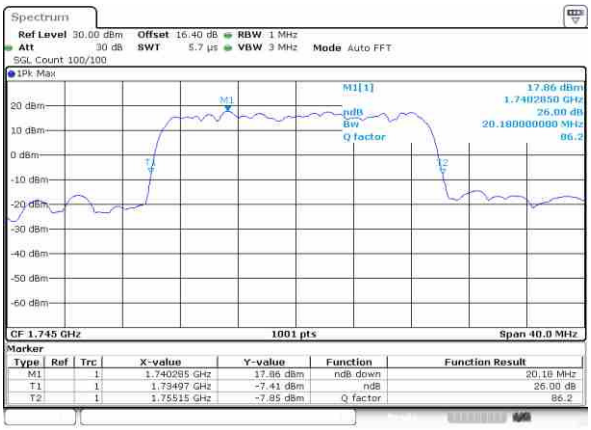
Middle Channel / 20MHz / 16QAM

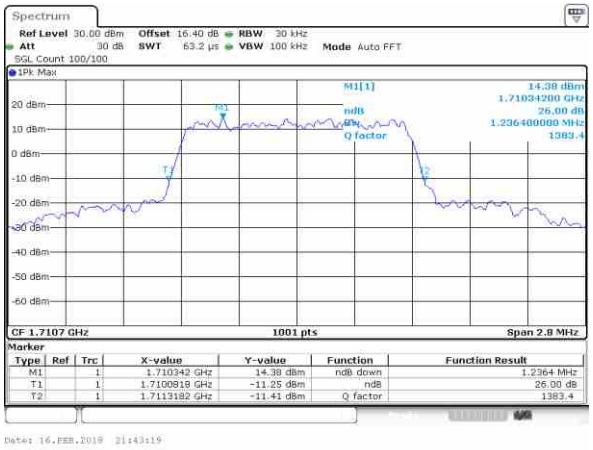
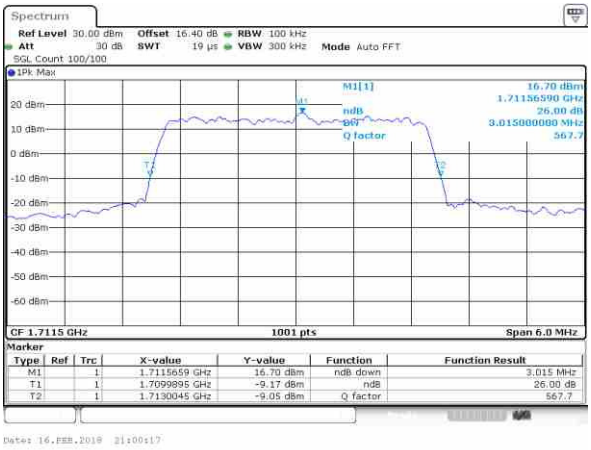
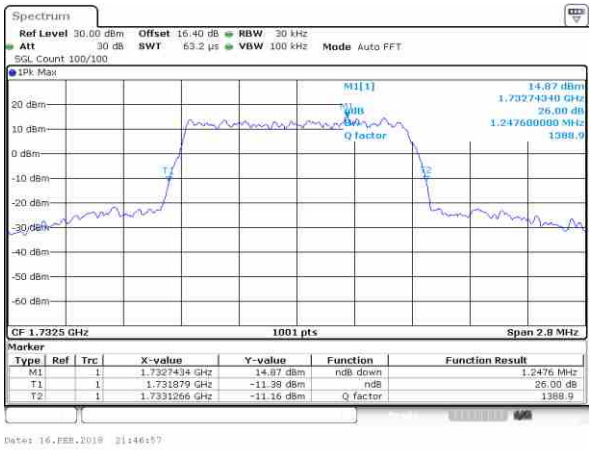
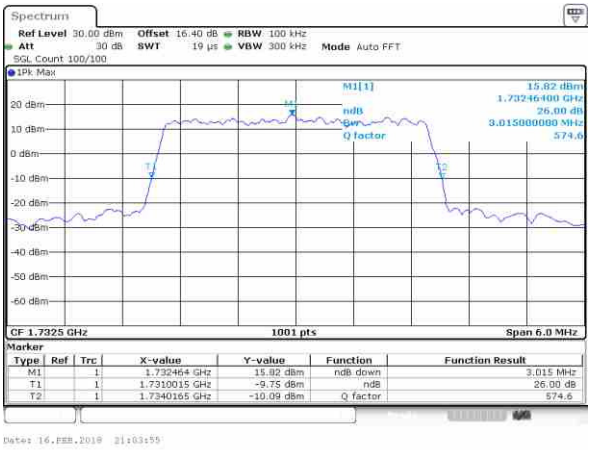
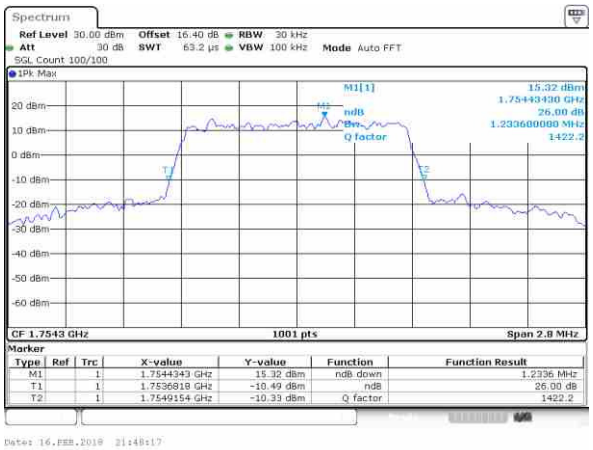
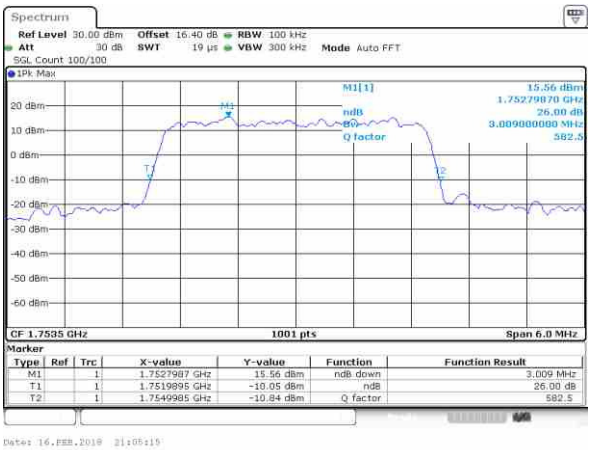


Highest Channel / 20MHz / QPSK



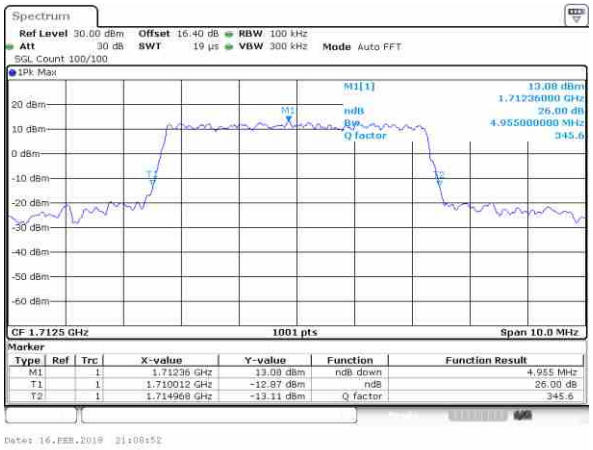
Highest Channel / 20MHz / 16QAM



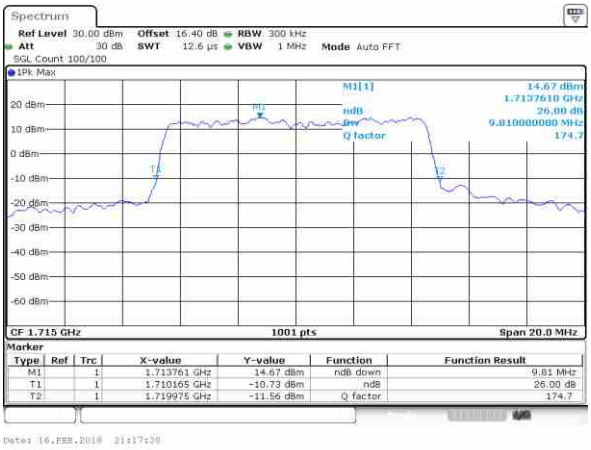
LTE Band 4	
Lowest Channel / 1.4MHz / 64QAM	**Lowest Channel / 3MHz / 64QAM**
	
Middle Channel / 1.4MHz / 64QAM	**Middle Channel / 3MHz / 64QAM**
	
Highest Channel / 1.4MHz / 64QAM	**Highest Channel / 3MHz / 64QAM**
	

LTE Band 4

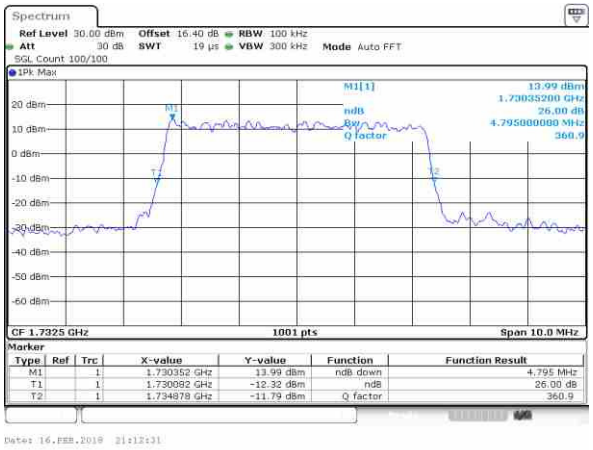
Lowest Channel / 5MHz / 64QAM



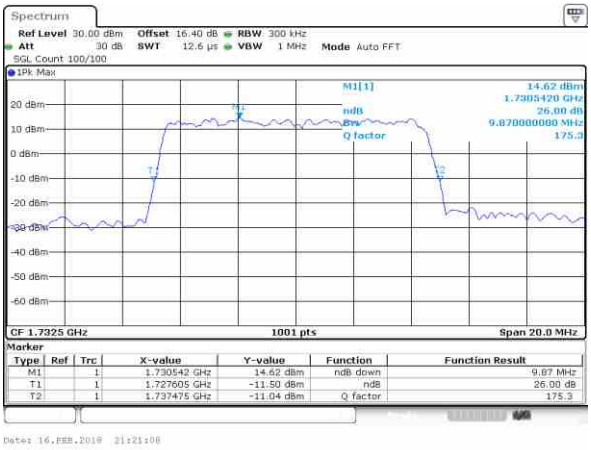
Lowest Channel / 10MHz / 64QAM



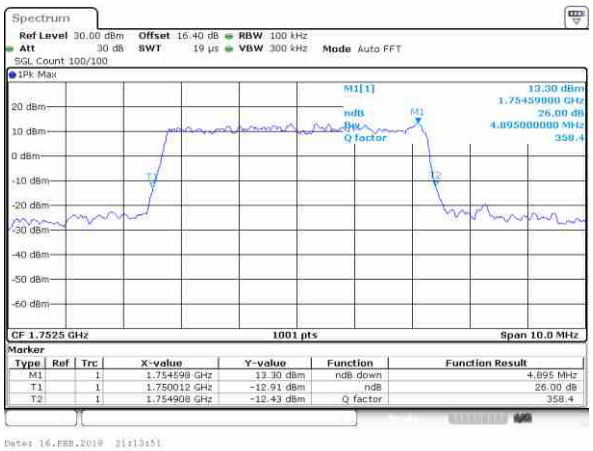
Middle Channel / 5MHz / 64QAM



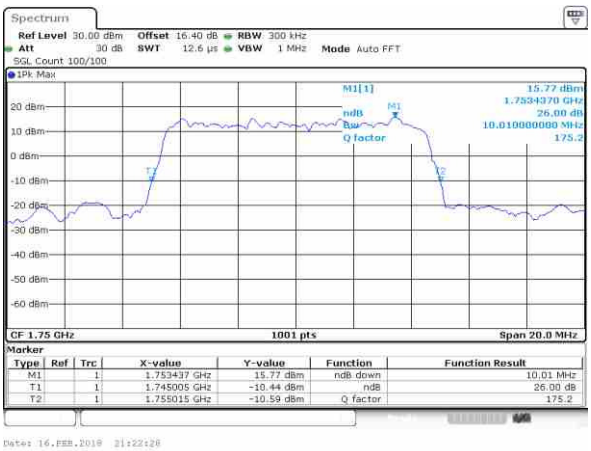
Middle Channel / 10MHz / 64QAM

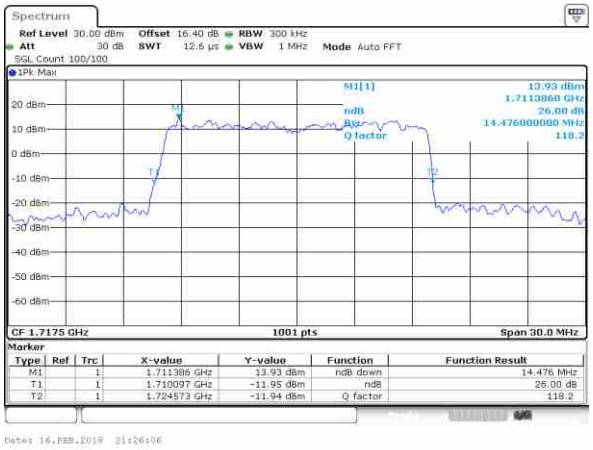
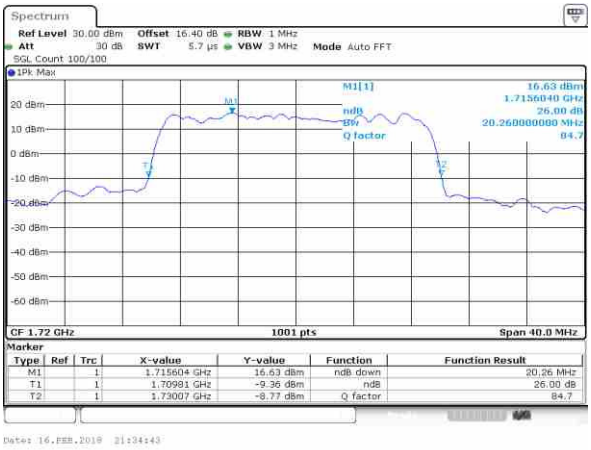
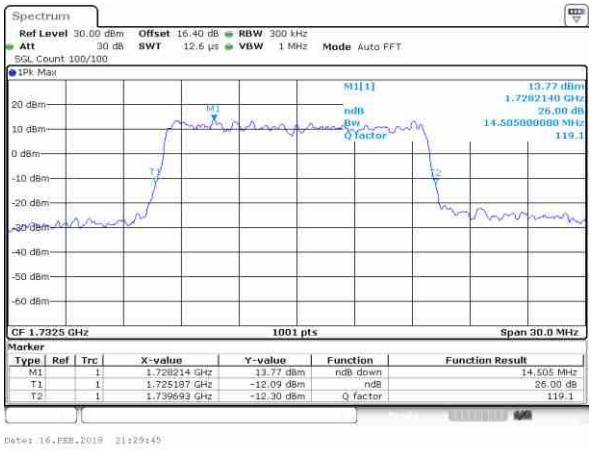
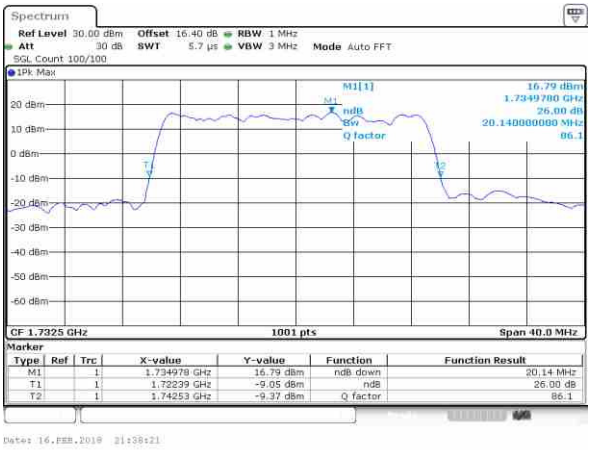
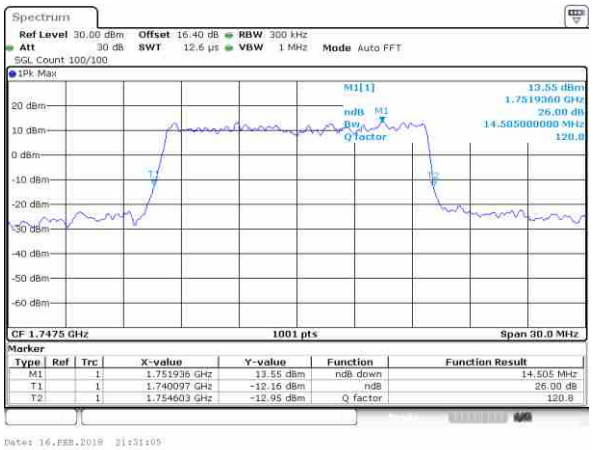
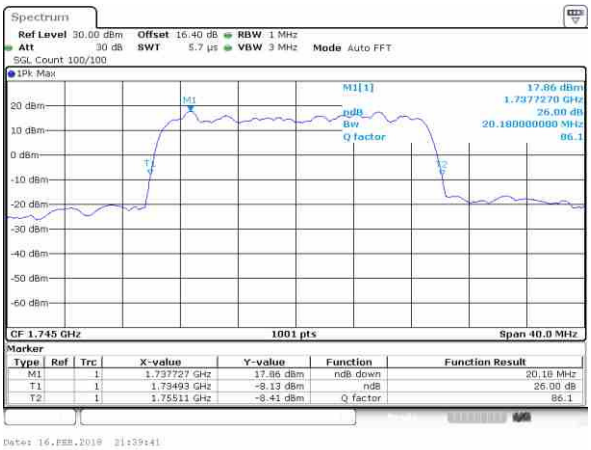


Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM



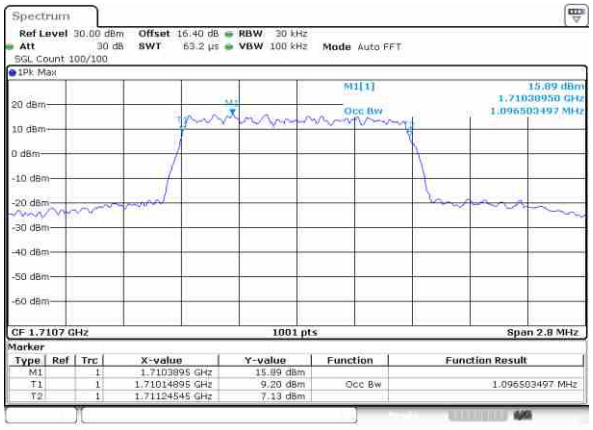
LTE Band 4	
Lowest Channel / 15MHz / 64QAM	**Lowest Channel / 20MHz / 64QAM**
	
Middle Channel / 15MHz / 64QAM	**Middle Channel / 20MHz / 64QAM**
	
Highest Channel / 15MHz / 64QAM	**Highest Channel / 20MHz / 64QAM**
	

Occupied Bandwidth

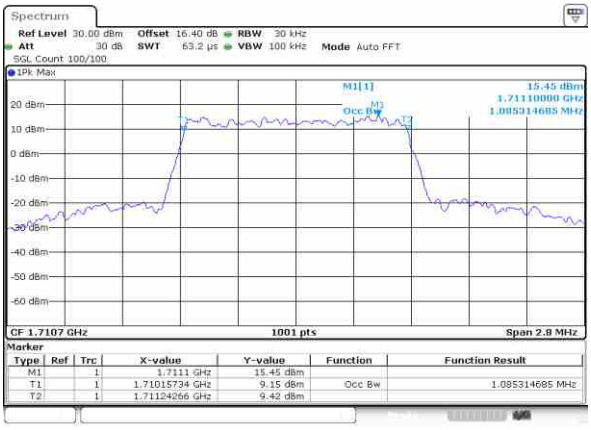
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.10	1.09	2.72	2.75	4.51	4.53	9.05	9.03	13.49	13.43	18.34	18.58
Middle CH	1.09	1.10	2.72	2.70	4.52	4.52	9.09	8.95	13.40	13.46	18.46	18.50
Highest CH	1.09	1.10	2.76	2.72	4.52	4.48	9.09	8.99	13.43	13.49	18.46	18.54
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	-	2.74	-	4.50	-	9.03	-	13.40	-	18.30	-
Middle CH	1.09	-	2.73	-	4.50	-	9.05	-	13.43	-	18.38	-
Highest CH	1.10	-	2.71	-	4.49	-	9.03	-	13.43	-	18.42	-

LTE Band 4

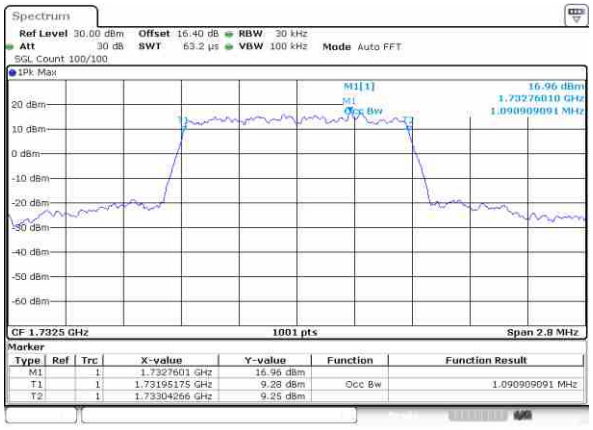
Lowest Channel / 1.4MHz / QPSK



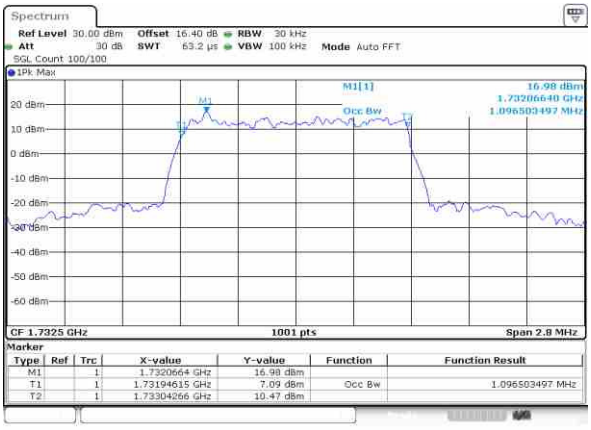
Lowest Channel / 1.4MHz / 16QAM



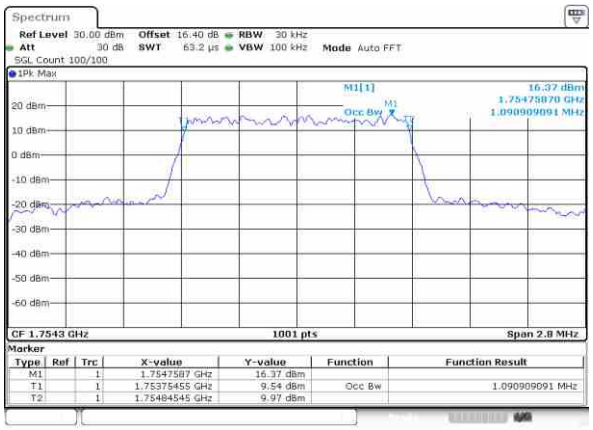
Middle Channel / 1.4MHz / QPSK



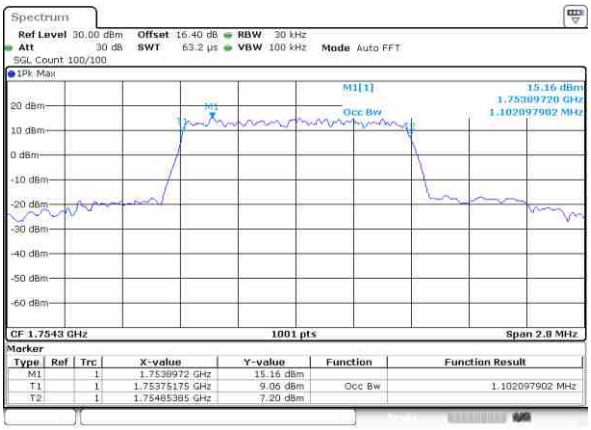
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

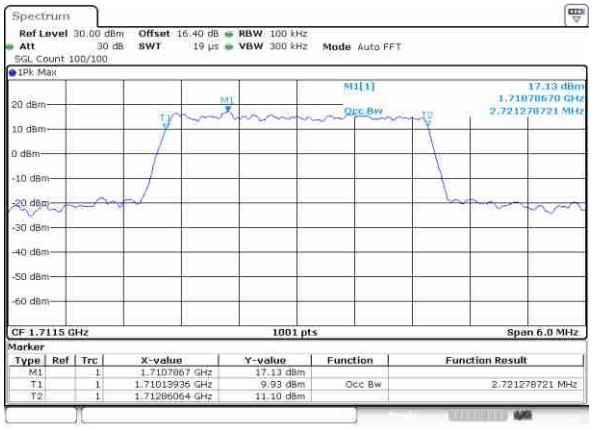


Highest Channel / 1.4MHz / 16QAM

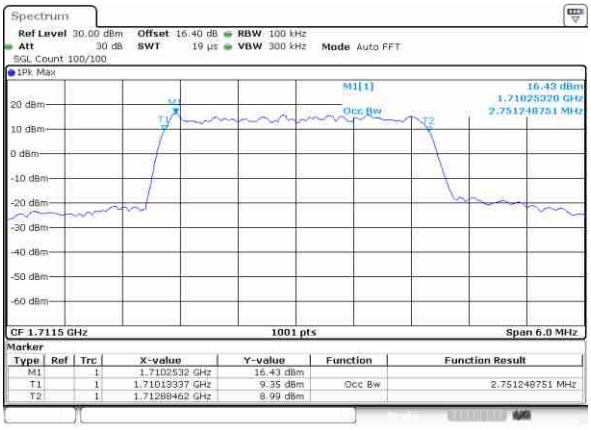


LTE Band 4

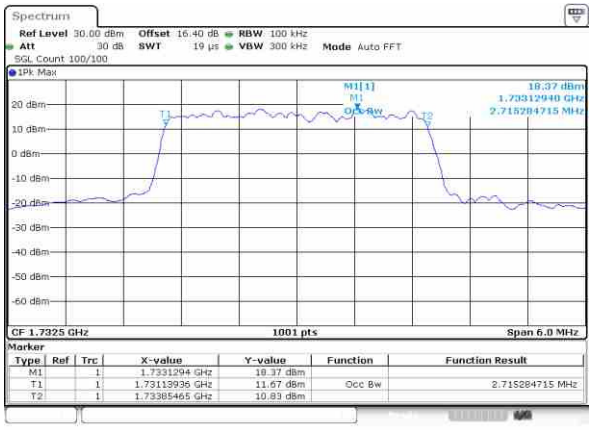
Lowest Channel / 3MHz / QPSK



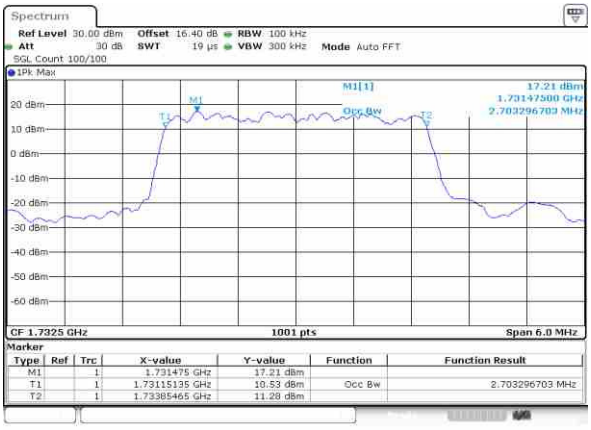
Lowest Channel / 3MHz / 16QAM



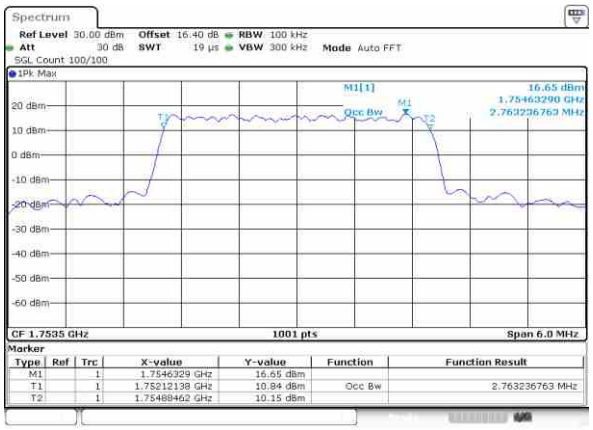
Middle Channel / 3MHz / QPSK



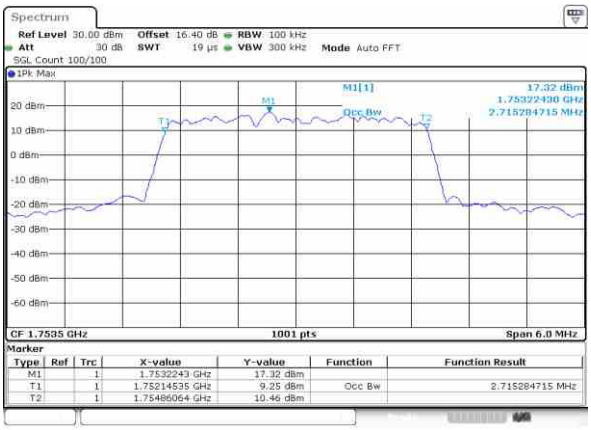
Middle Channel / 3MHz / 16QAM

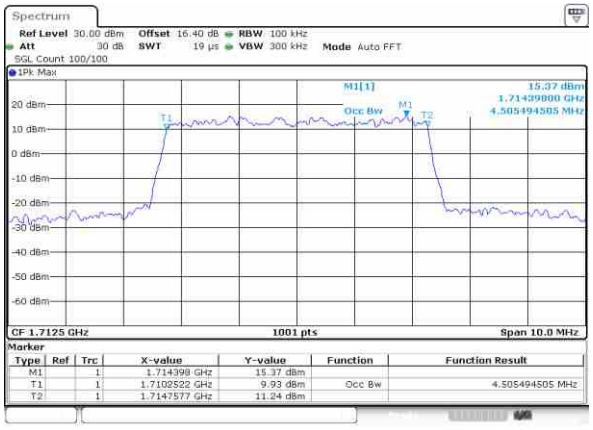
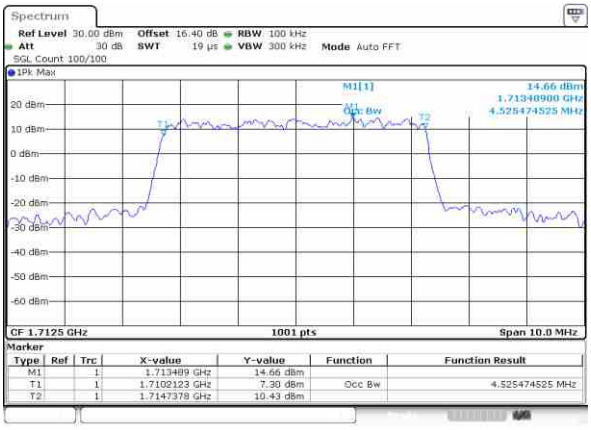
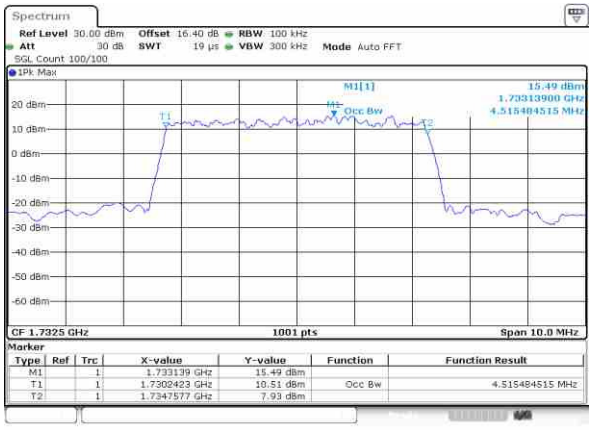
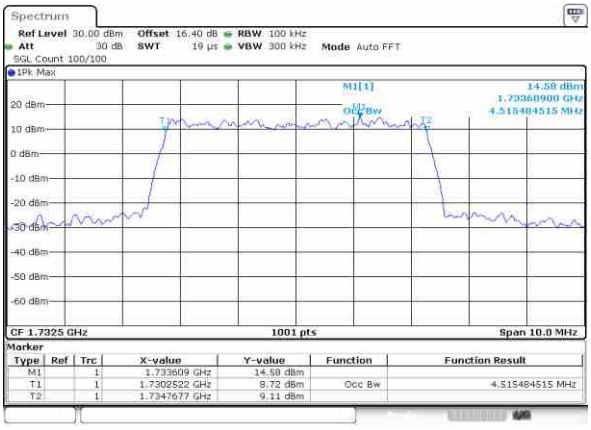
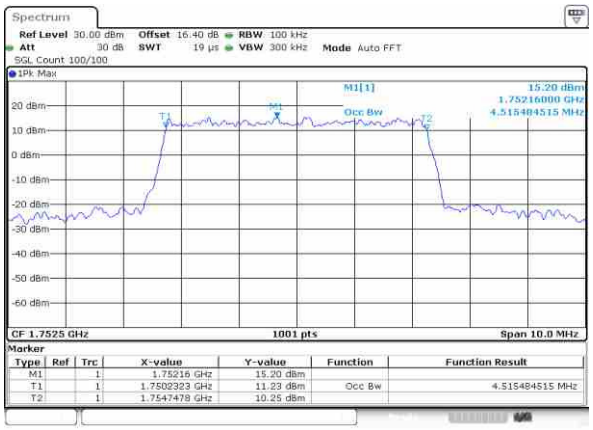
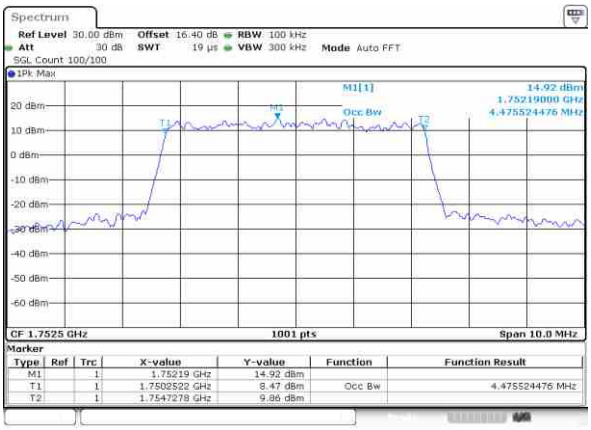


Highest Channel / 3MHz / QPSK



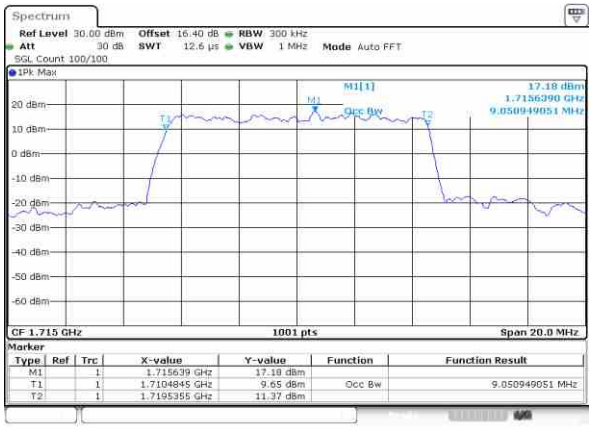
Highest Channel / 3MHz / 16QAM



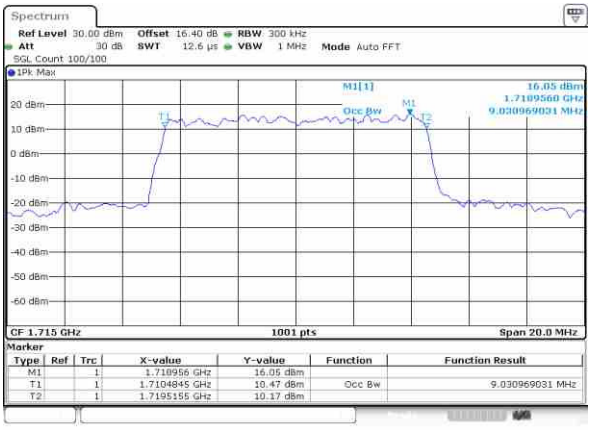
LTE Band 4	
Lowest Channel / 5MHz / QPSK	**Lowest Channel / 5MHz / 16QAM**
	
Middle Channel / 5MHz / QPSK	**Middle Channel / 5MHz / 16QAM**
	
Highest Channel / 5MHz / QPSK	**Highest Channel / 5MHz / 16QAM**
	

LTE Band 4

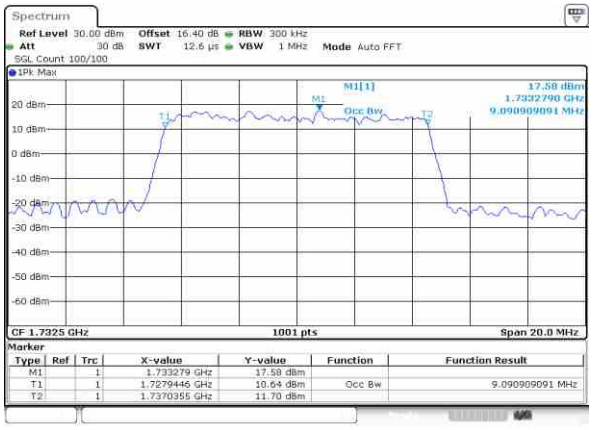
Lowest Channel / 10MHz / QPSK



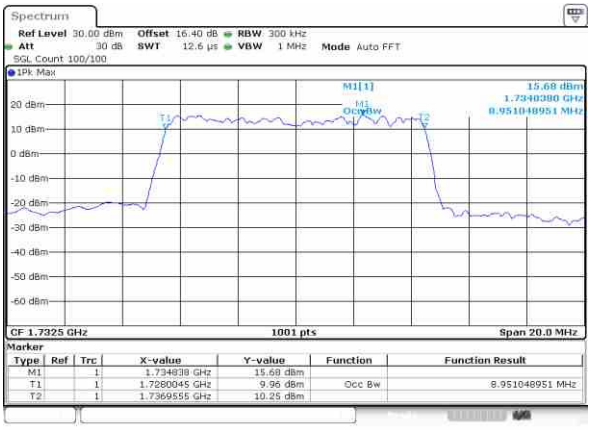
Lowest Channel / 10MHz / 16QAM



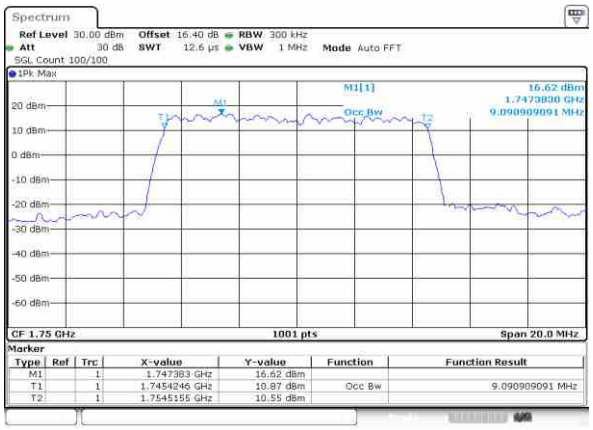
Middle Channel / 10MHz / QPSK



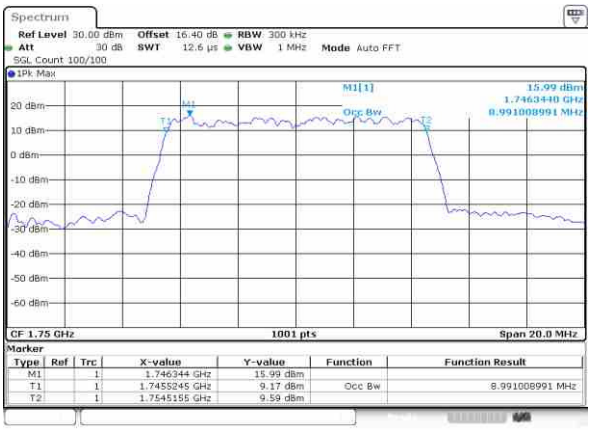
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

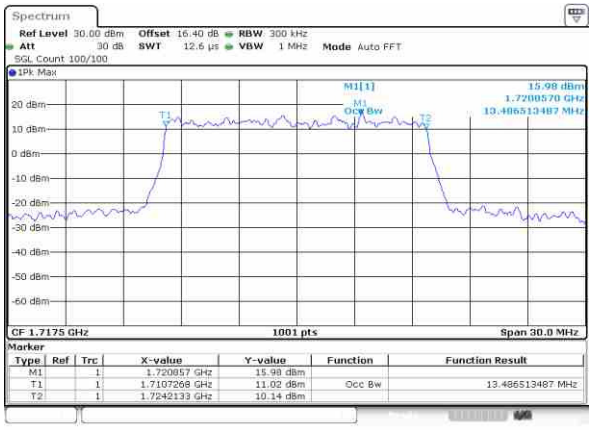


Highest Channel / 10MHz / 16QAM

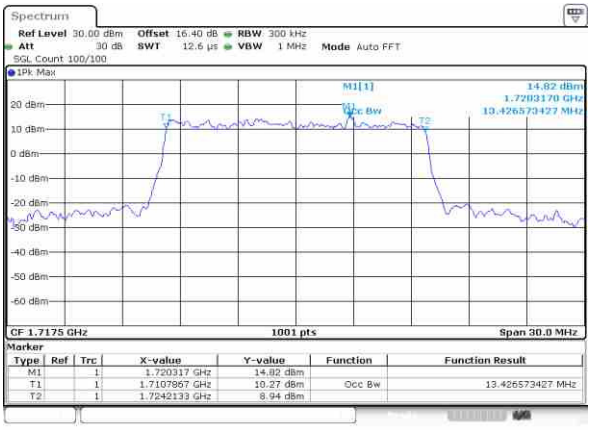


LTE Band 4

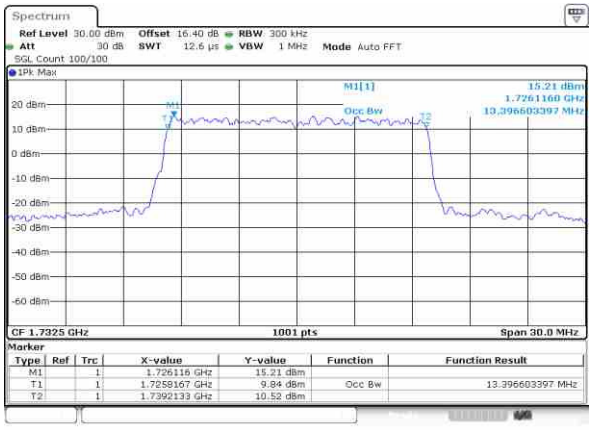
Lowest Channel / 15MHz / QPSK



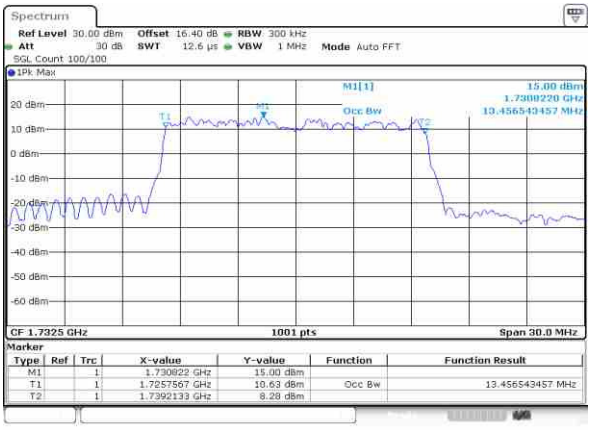
Lowest Channel / 15MHz / 16QAM



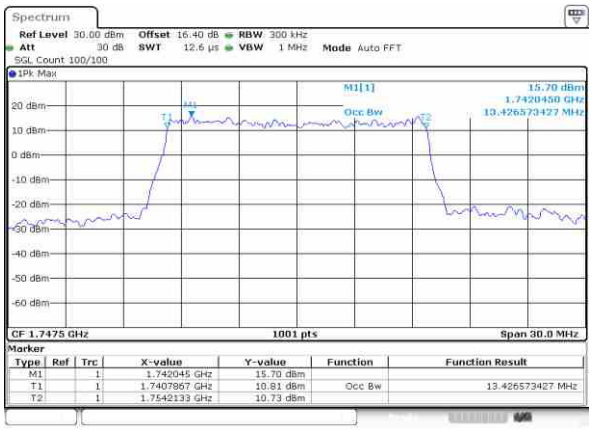
Middle Channel / 15MHz / QPSK



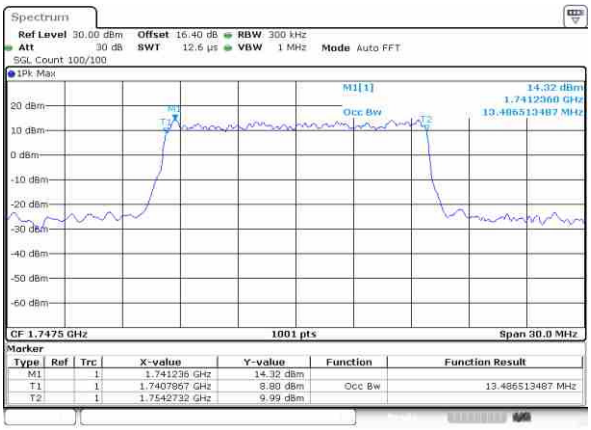
Middle Channel / 15MHz / 16QAM

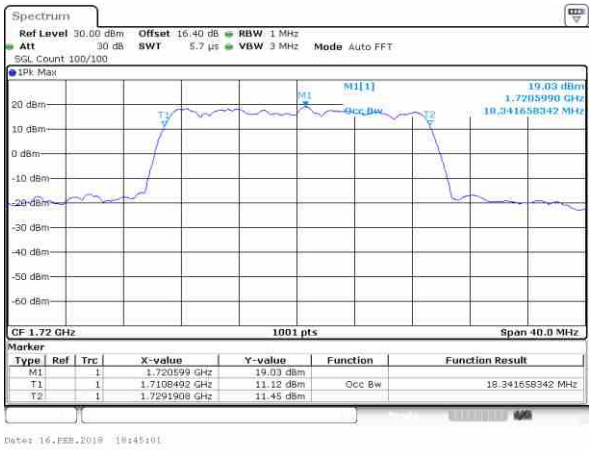
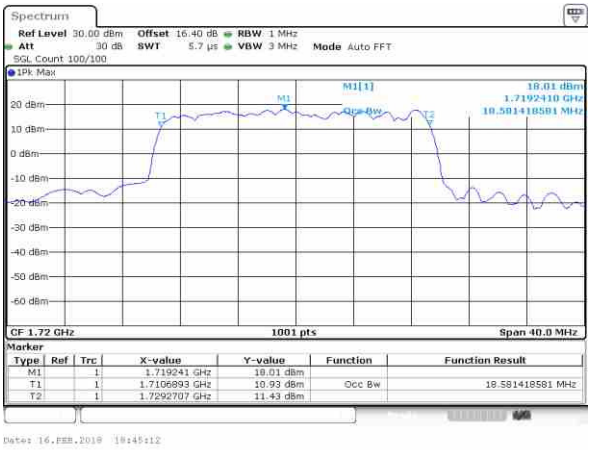
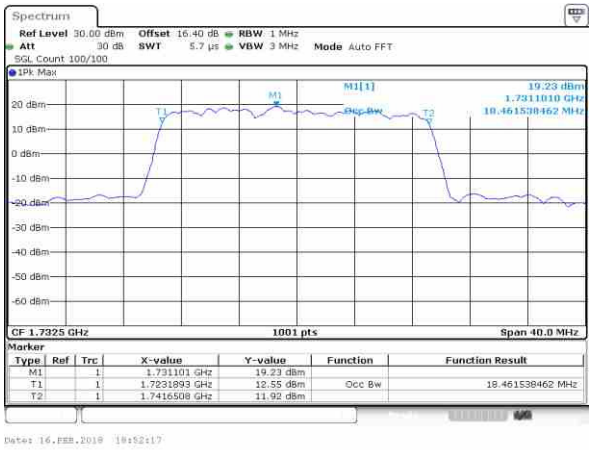
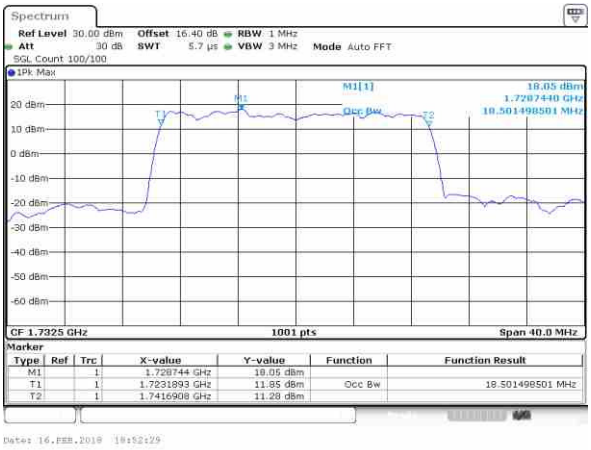
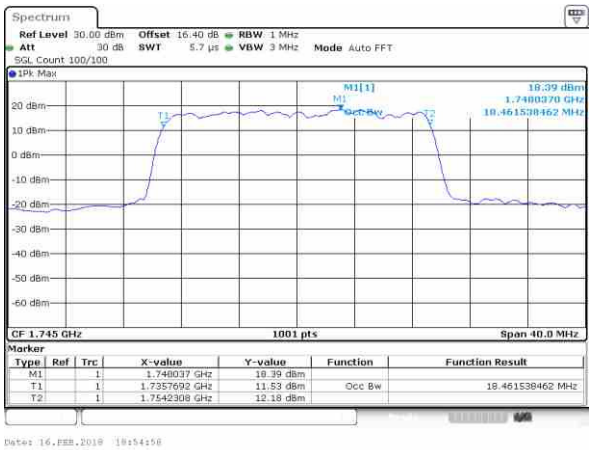
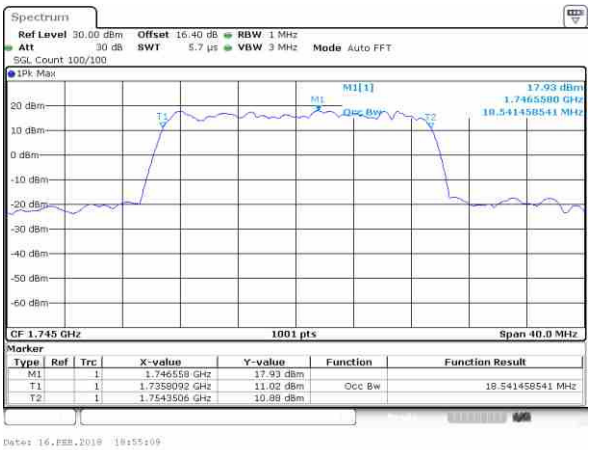


Highest Channel / 15MHz / QPSK



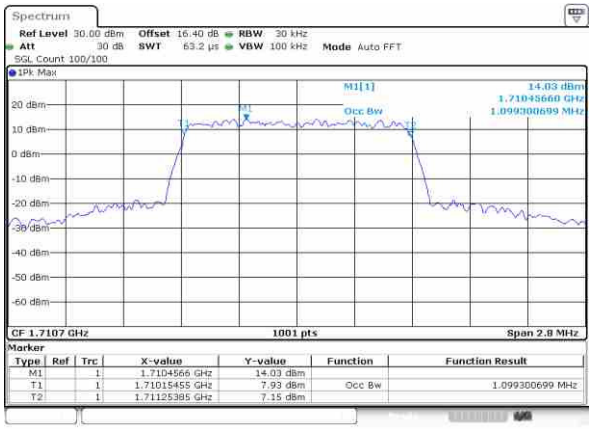
Highest Channel / 15MHz / 16QAM



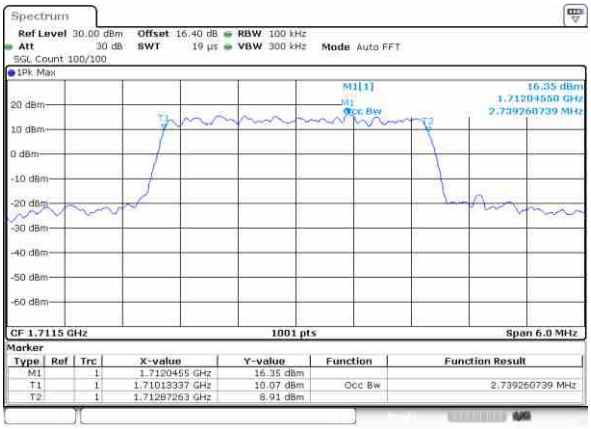
LTE Band 4	
Lowest Channel / 20MHz / QPSK	**Lowest Channel / 20MHz / 16QAM**
	
Middle Channel / 20MHz / QPSK	**Middle Channel / 20MHz / 16QAM**
	
Highest Channel / 20MHz / QPSK	**Highest Channel / 20MHz / 16QAM**
	

LTE Band 4

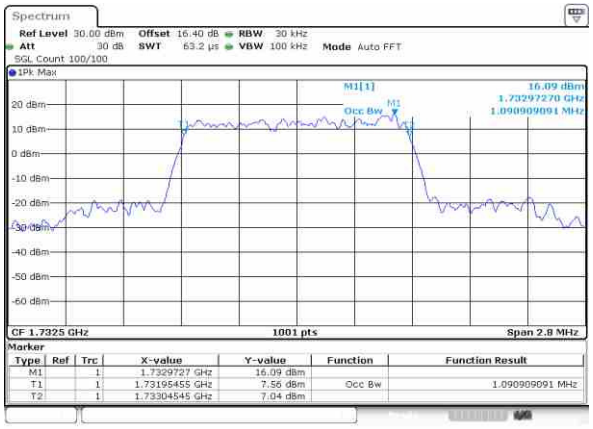
Lowest Channel / 1.4MHz / 64QAM



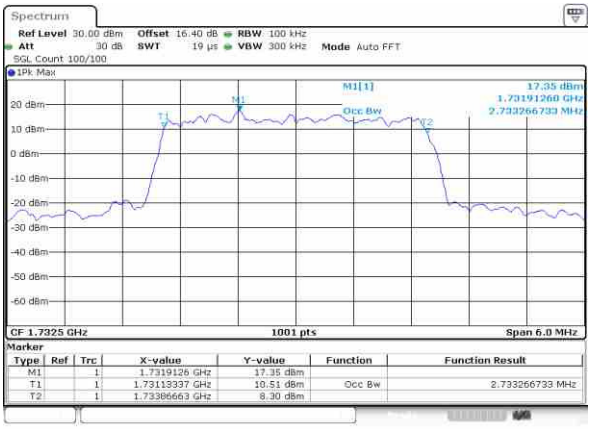
Lowest Channel / 3MHz / 64QAM



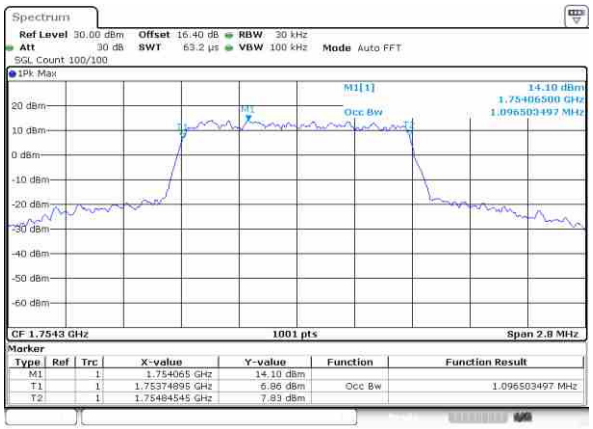
Middle Channel / 1.4MHz / 64QAM



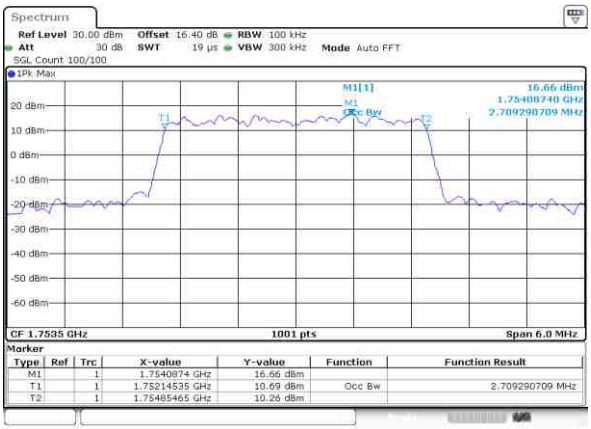
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

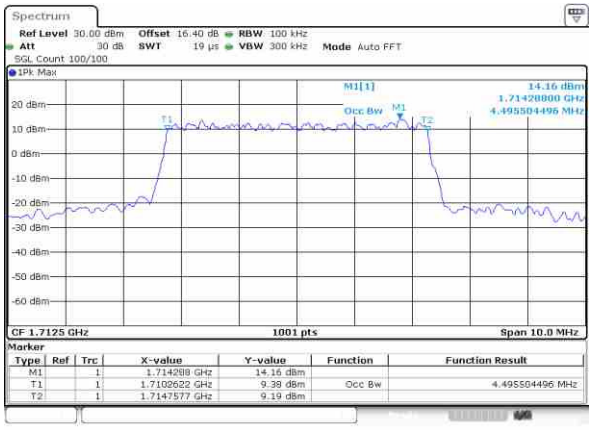


Highest Channel / 3MHz / 64QAM

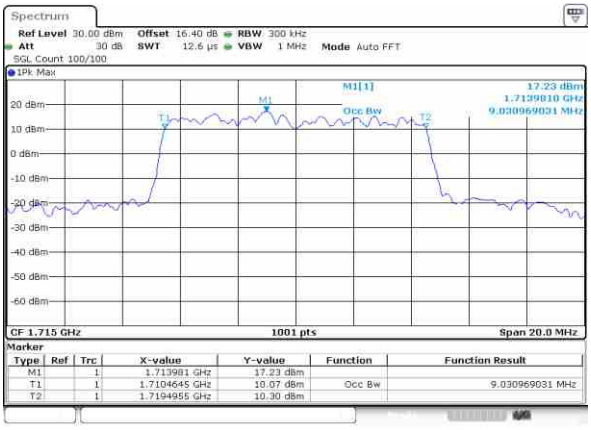


LTE Band 4

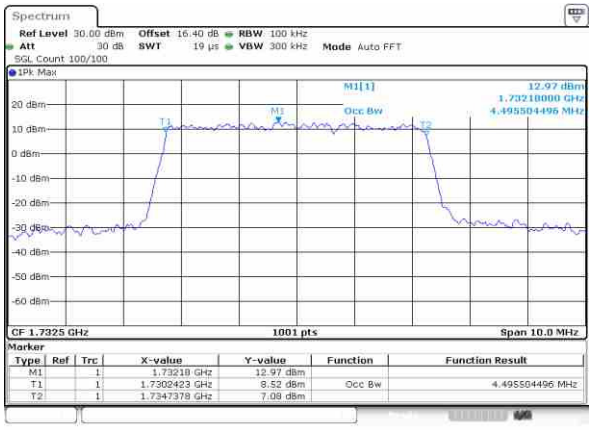
Lowest Channel / 5MHz / 64QAM



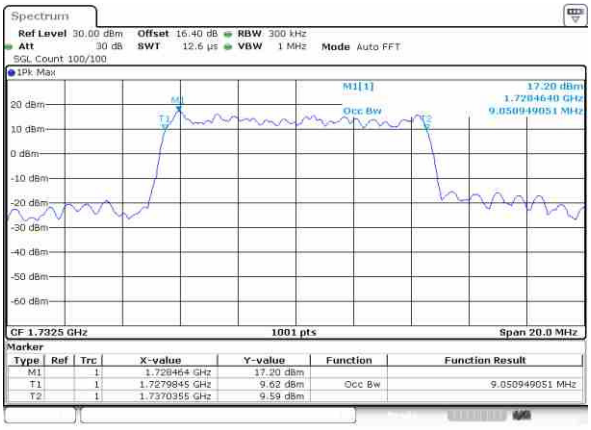
Lowest Channel / 10MHz / 64QAM



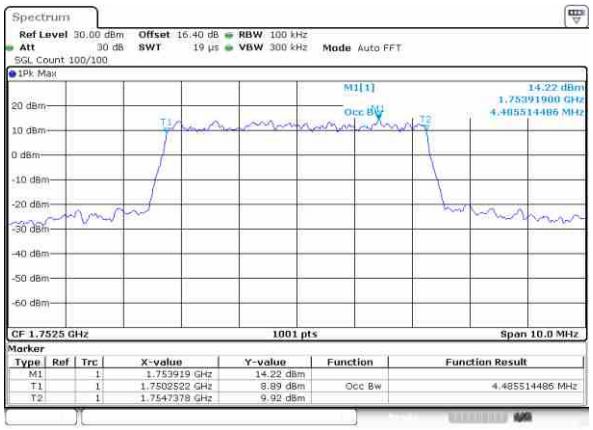
Middle Channel / 5MHz / 64QAM



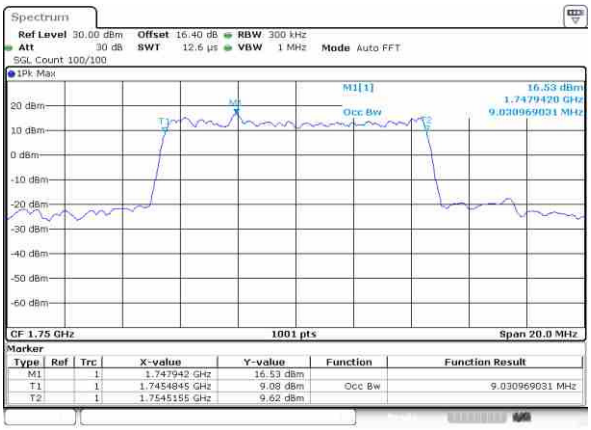
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

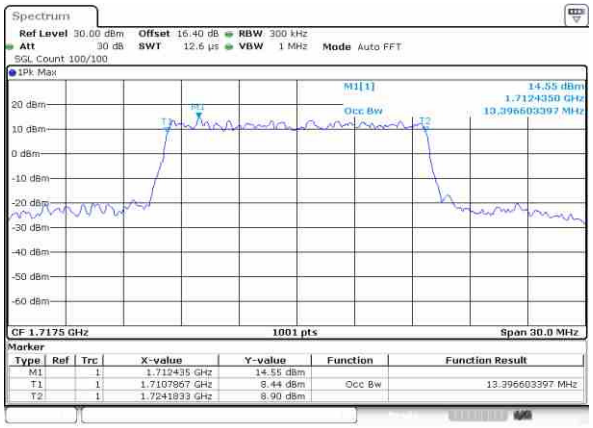


Highest Channel / 10MHz / 64QAM

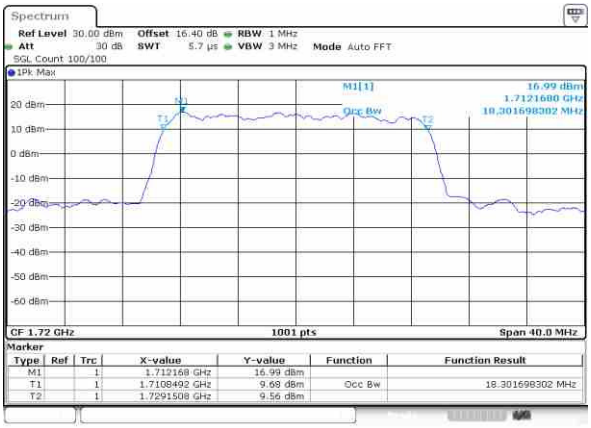


LTE Band 4

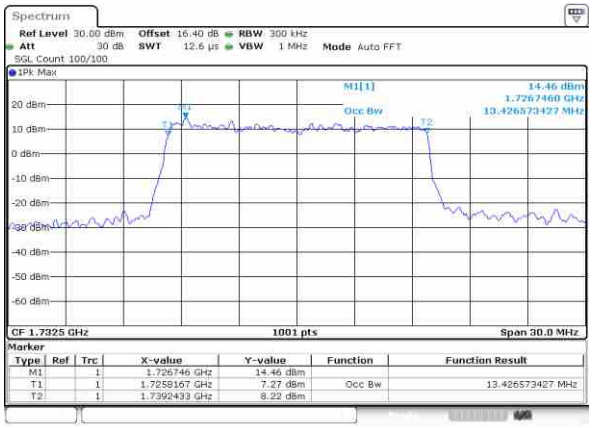
Lowest Channel / 15MHz / 64QAM



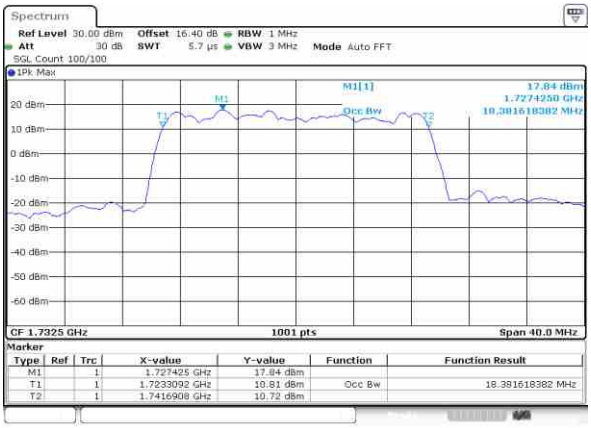
Lowest Channel / 20MHz / 64QAM



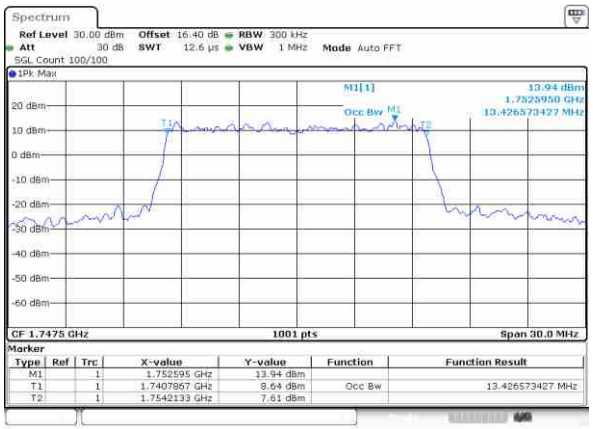
Middle Channel / 15MHz / 64QAM



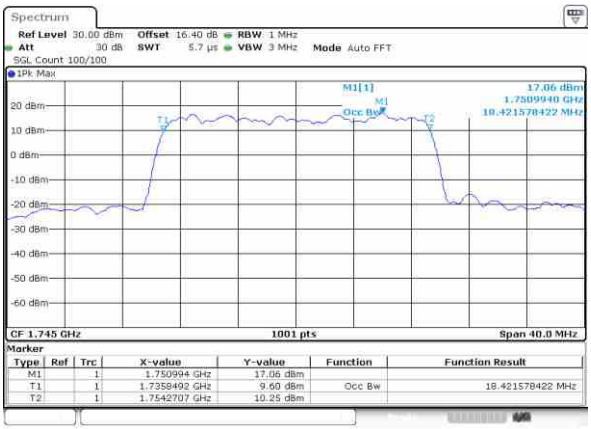
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM

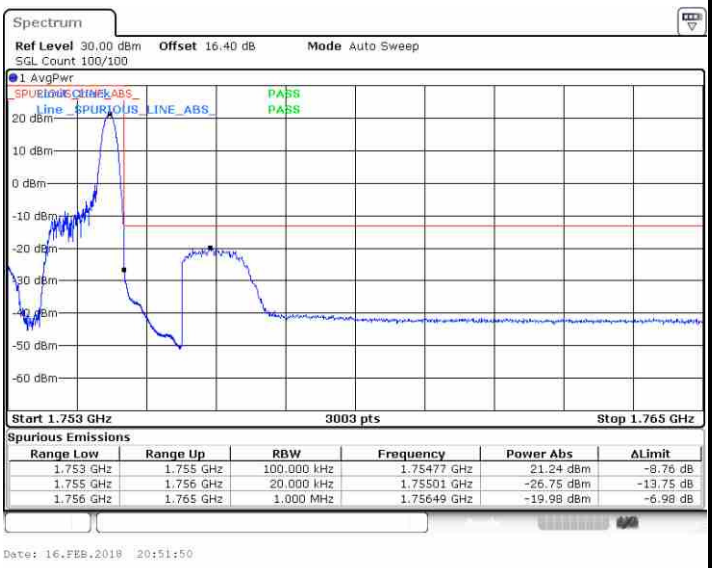


Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

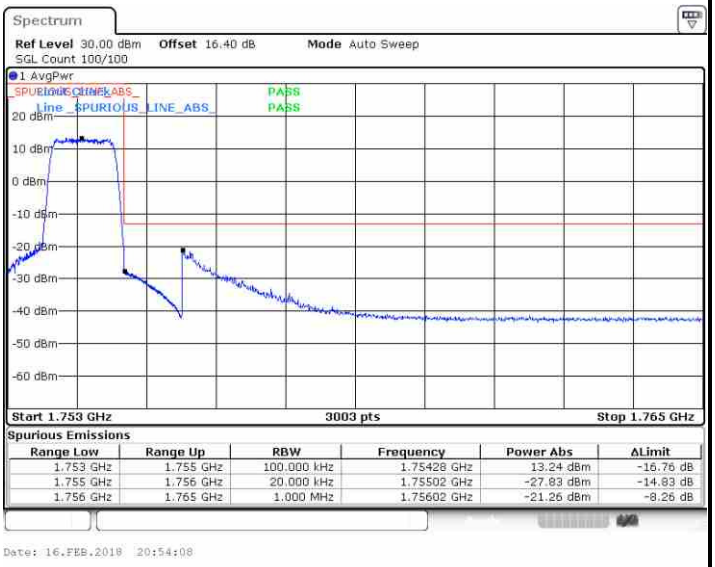
Lowest Band Edge / 1RB

Highest Band Edge / 1RB



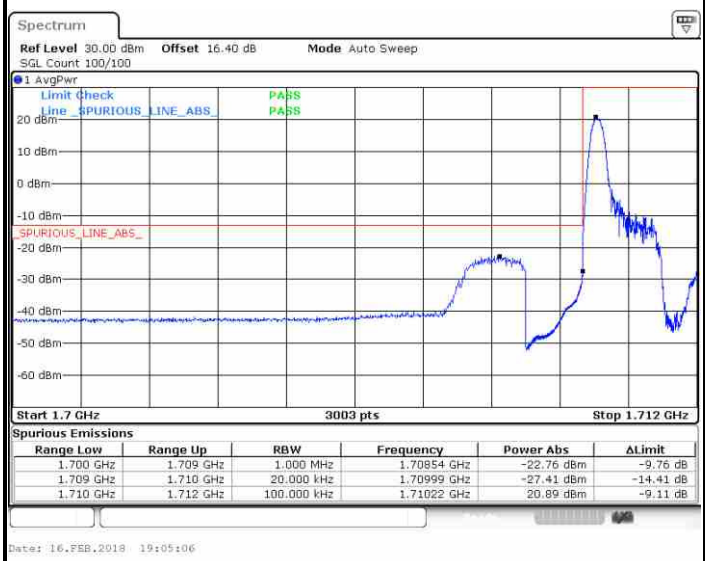
Lowest Band Edge / Full RB

Highest Band Edge / Full RB



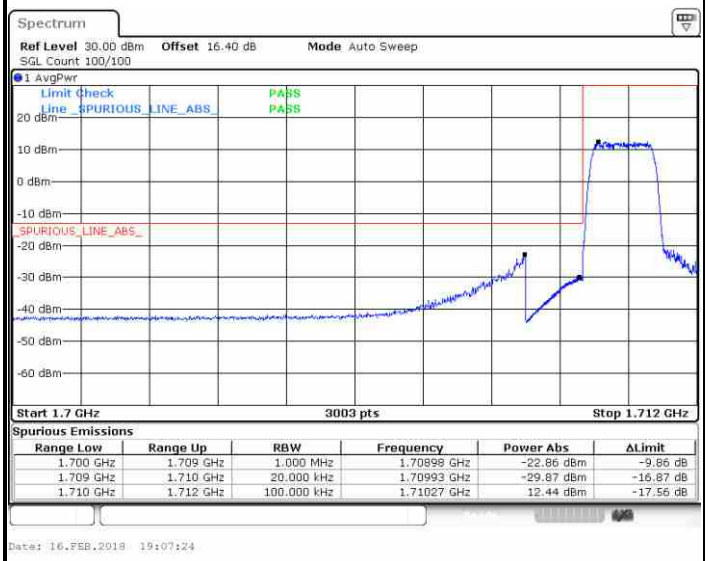
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

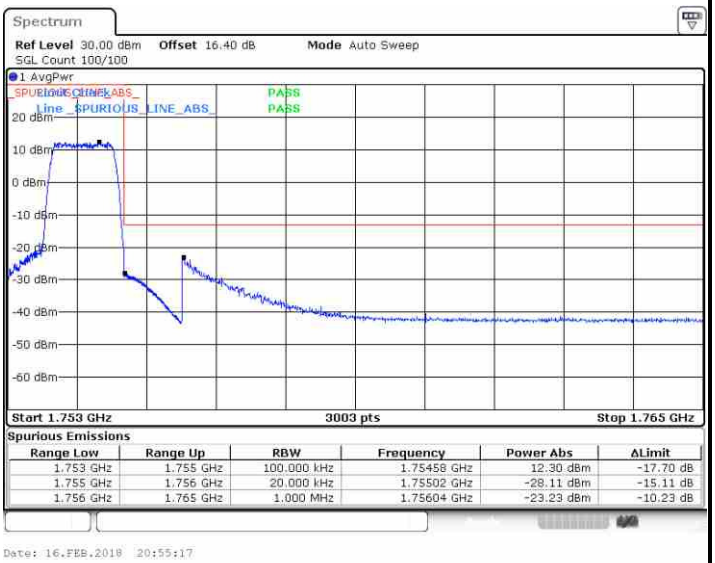


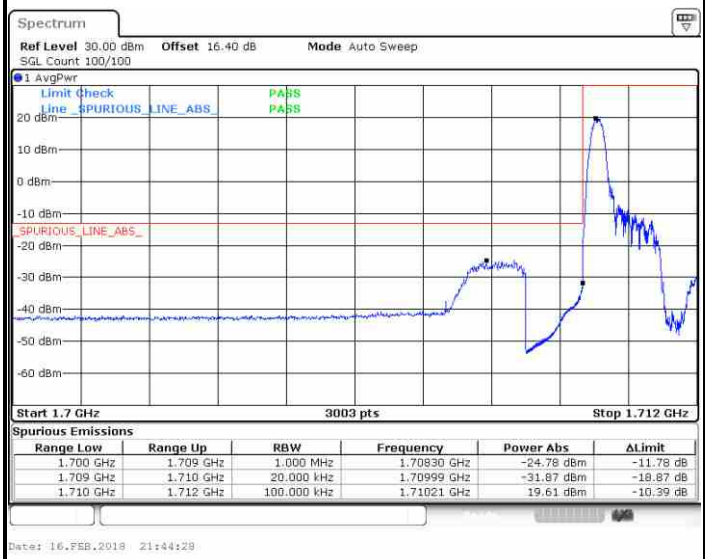
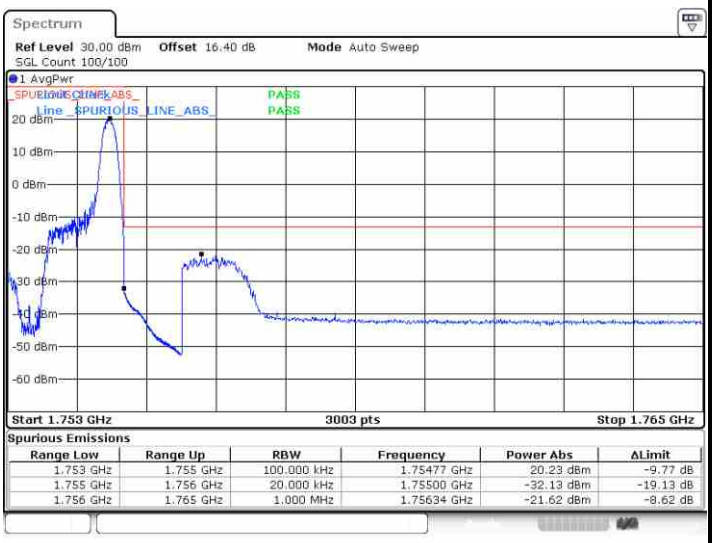
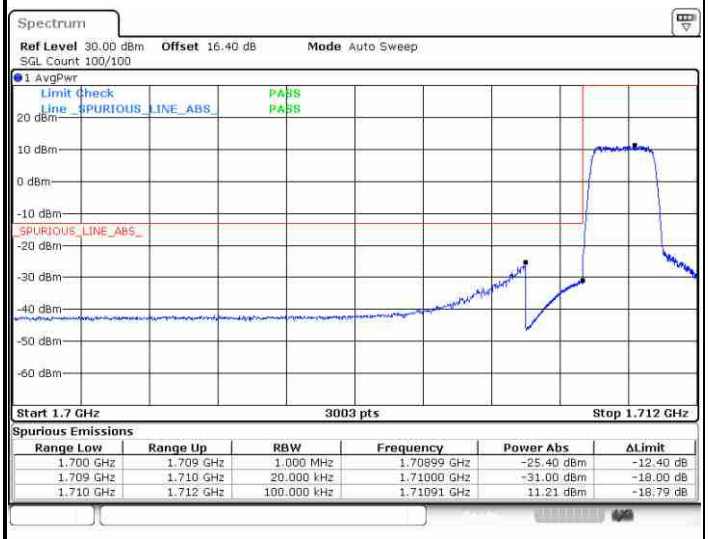
Highest Band Edge / 1 RB

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**