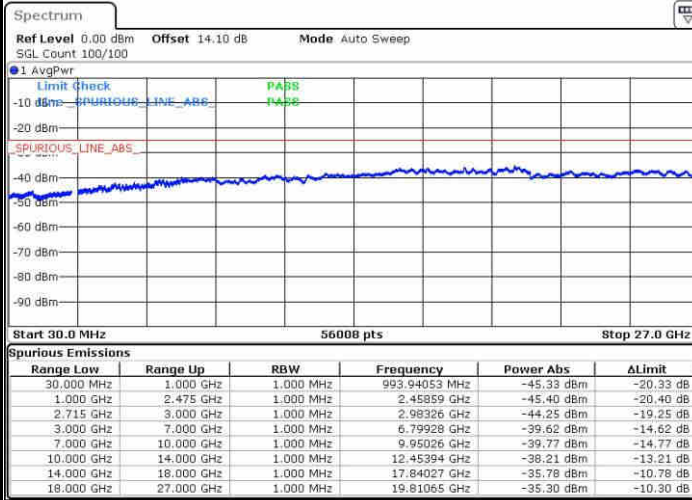




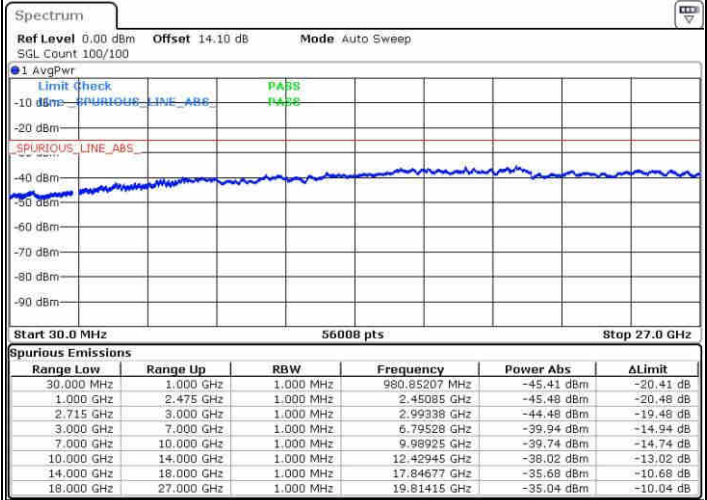
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



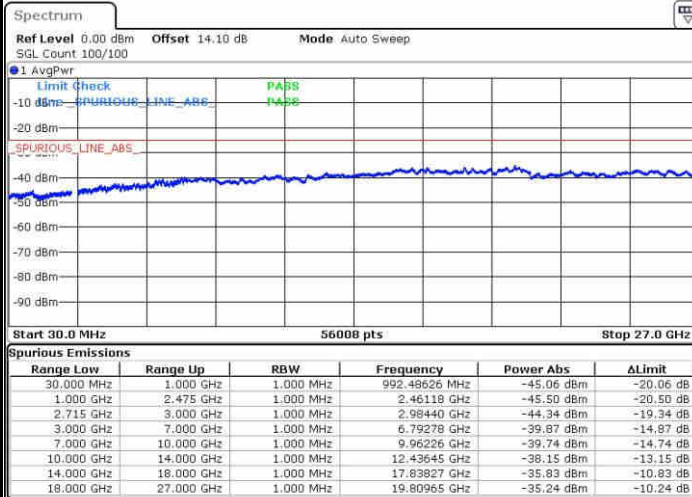
Date: 6 MAY 2019 21:40:56

Middle Channel / 64QAM



Date: 6 MAY 2019 21:41:42

Highest Channel / 64QAM



Date: 6 MAY 2019 21:42:28

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	0.0067	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0041	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0049	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

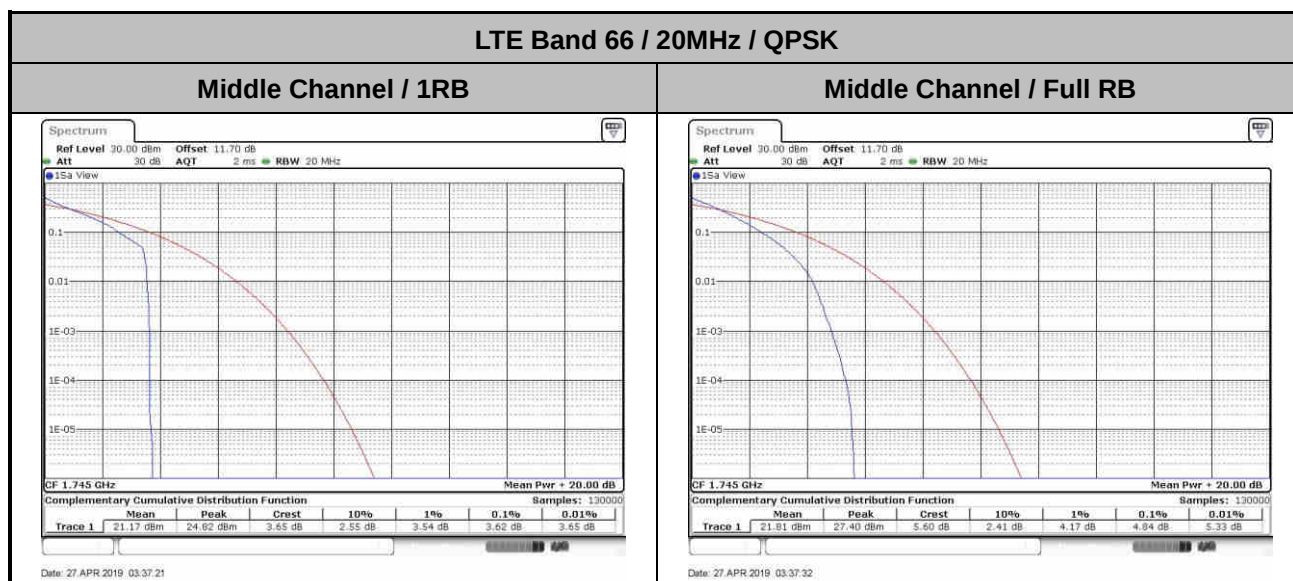
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



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	3.39	4.84	4.09	5.71	PASS
Middle CH	3.62	4.84	4.43	5.91	
Highest CH	3.48	5.01	3.88	6.00	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.01	6.35	-	-	PASS
Middle CH	5.48	6.43	-	-	
Highest CH	4.90	6.61	-	-	



LTE Band 66 / 20MHz / 16QAM

Middle Channel / 1RB



Date: 27 APR 2019 03:35:41

Middle Channel / Full RB



Date: 27 APR 2019 03:36:15

LTE Band 66 / 20MHz / 64QAM

Middle Channel / 1RB



Date: 27 APR 2019 03:41:07

Middle Channel / Full RB



Date: 27 APR 2019 03:41:16

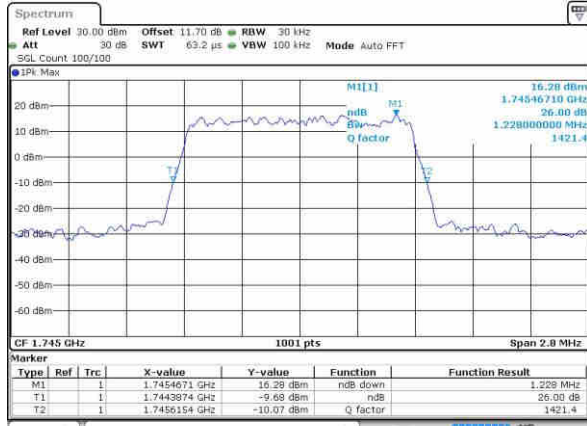
**26dB Bandwidth**

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	1.23	1.23	3.02	3.00	4.93	4.88	9.69	9.77	14.54	14.33	18.82	18.82
Middle CH	1.23	1.21	3.03	3.05	4.80	4.89	9.81	9.69	14.18	14.21	18.98	19.22
Highest CH	1.23	1.23	3.06	3.08	4.84	4.93	9.73	9.69	14.24	14.57	18.98	19.10
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23	-	2.98	-	4.96	-	9.81	-	14.54	-	19.14	-
Middle CH	1.23	-	3.00	-	4.92	-	9.87	-	14.39	-	19.02	-
Highest CH	1.23	-	3.02	-	4.92	-	9.93	-	14.71	-	18.78	-



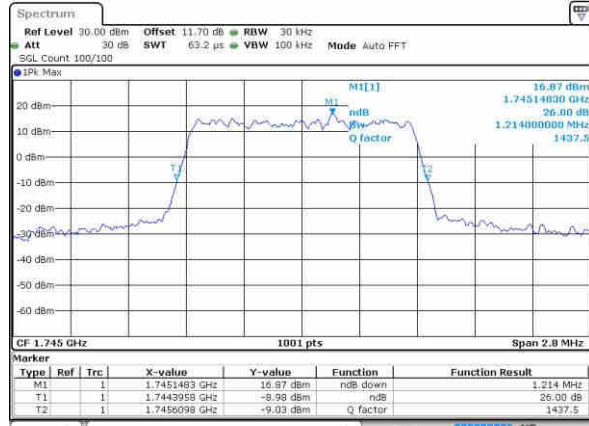
LTE Band 66

Middle Channel / 1.4MHz / QPSK



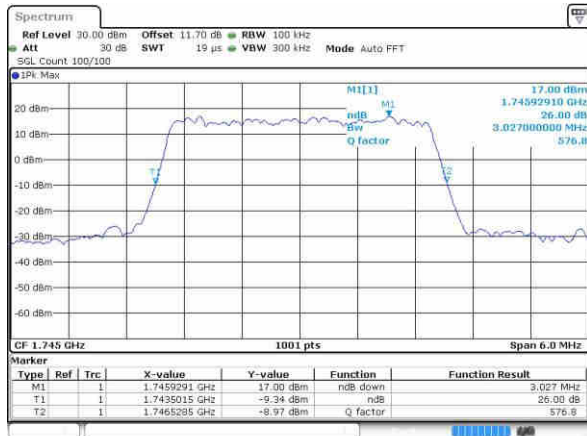
Date: 27 APR 2019 01:40:21

Middle Channel / 1.4MHz / 16QAM



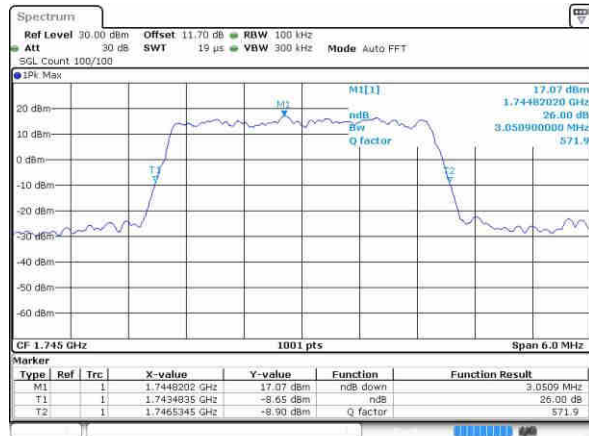
Date: 27 APR 2019 01:40:34

Middle Channel / 3MHz / QPSK



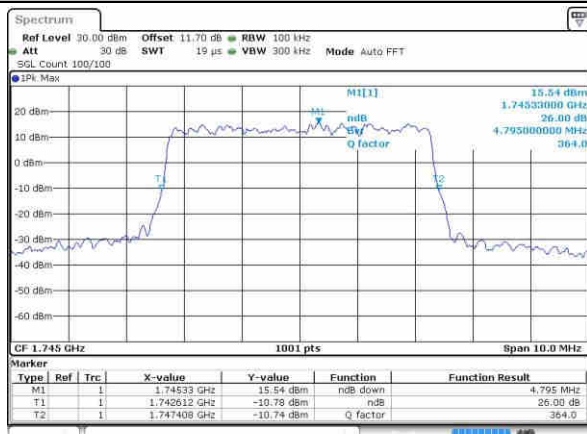
Date: 27 APR 2019 02:04:36

Middle Channel / 3MHz / 16QAM



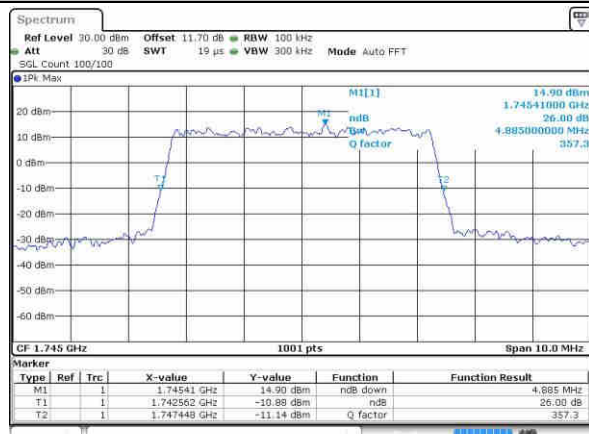
Date: 27 APR 2019 02:04:48

Middle Channel / 5MHz / QPSK



Date: 27 APR 2019 02:28:54

Middle Channel / 5MHz / 16QAM

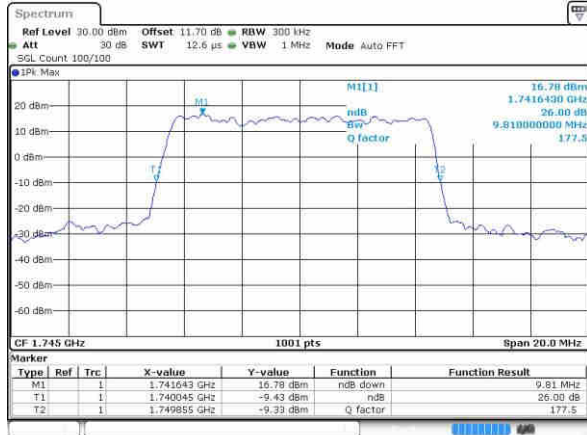


Date: 27 APR 2019 02:29:06



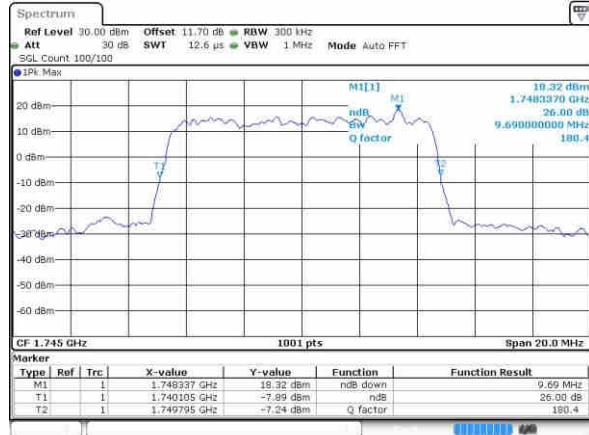
LTE Band 66

Middle Channel / 10MHz / QPSK



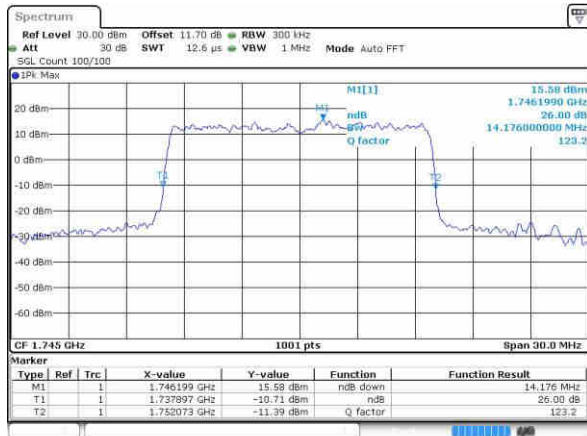
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Middle Channel / 10MHz / 16QAM



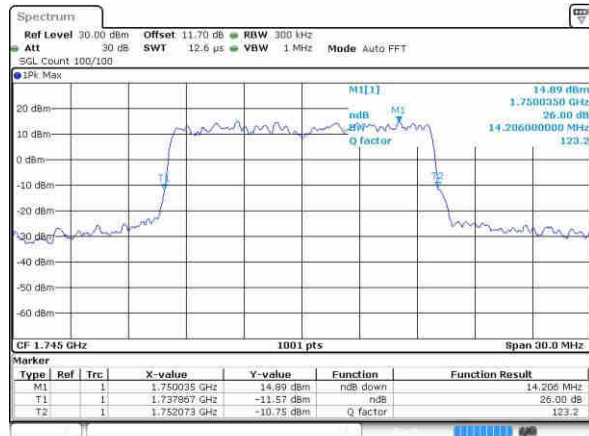
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Middle Channel / 15MHz / QPSK



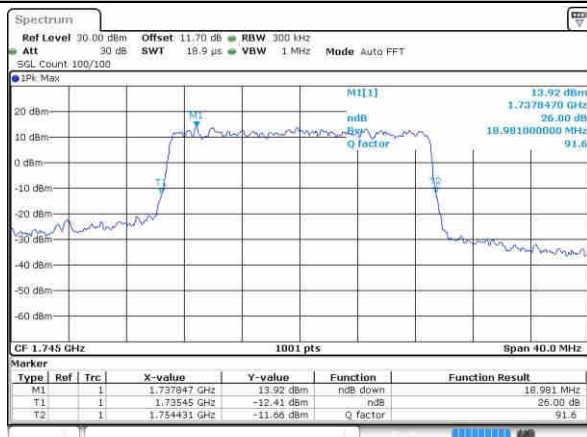
Date: 27 APR 2019 03:05:23

Middle Channel / 15MHz / 16QAM



Date: 27 APR 2019 03:05:35

Middle Channel / 20MHz / QPSK



Date: 27 APR 2019 03:17:32

Middle Channel / 20MHz / 16QAM

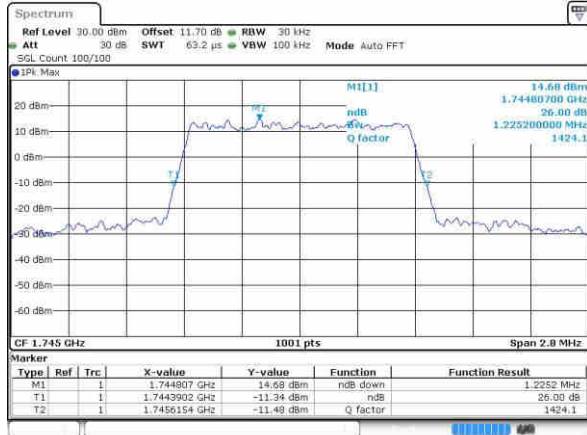


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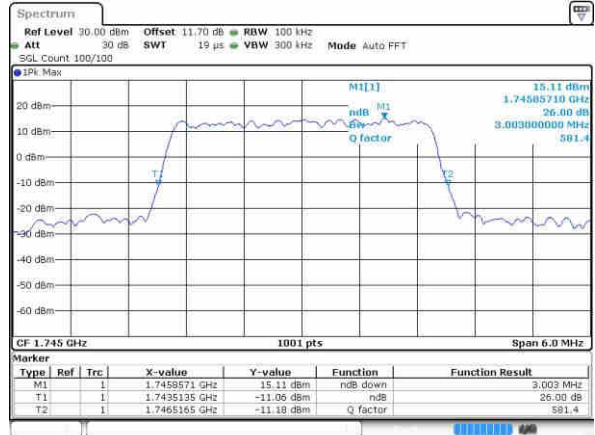


LTE Band 66

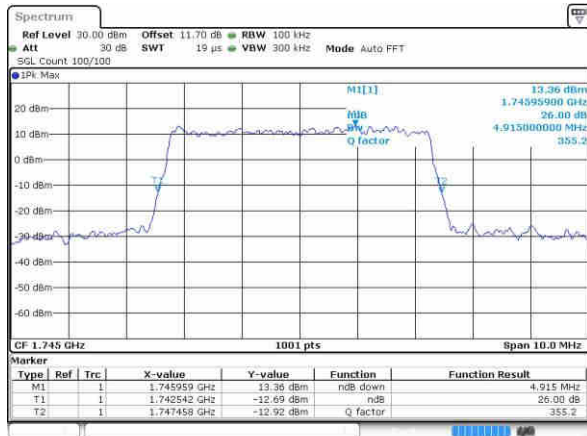
Middle Channel / 20MHz / 64QAM



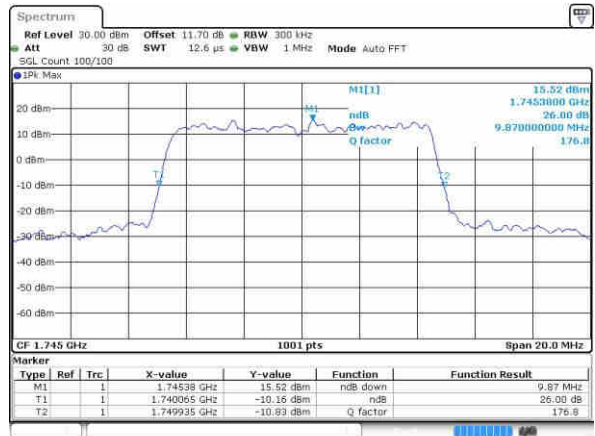
Middle Channel / 3MHz / 64QAM



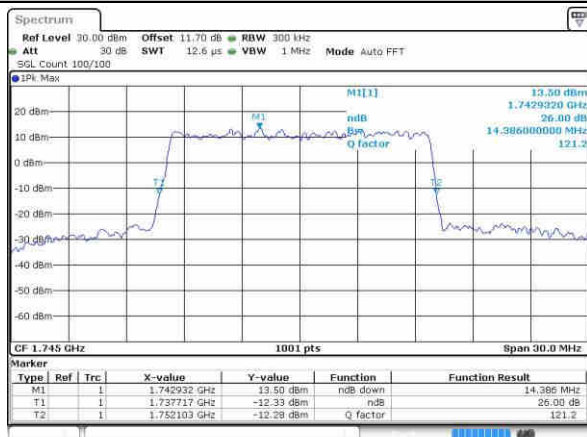
Middle Channel / 5MHz / 64QAM



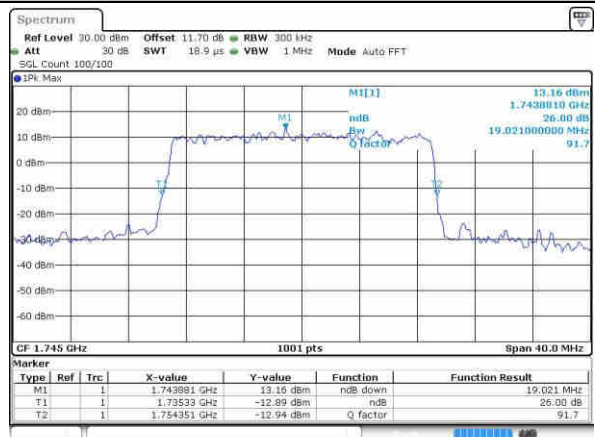
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



Middle Channel / 20MHz / 64QAM



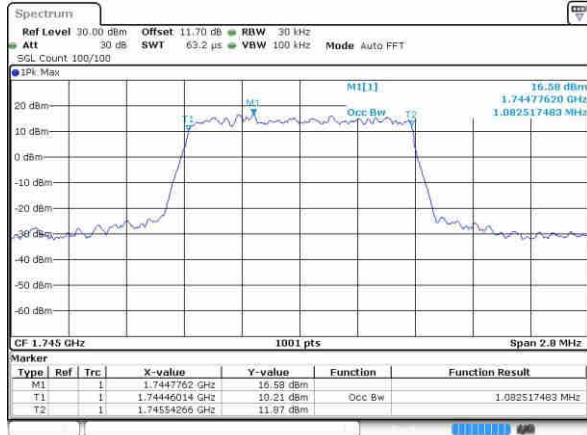
**Occupied Bandwidth**

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	1.09	1.09	2.71	2.71	4.50	4.51	8.97	9.07	13.43	13.46	17.90	17.86
Middle CH	1.08	1.09	2.74	2.72	4.47	4.50	9.03	9.03	13.43	13.49	17.90	17.90
Highest CH	1.09	1.09	2.71	2.71	4.48	4.50	9.05	9.01	13.43	13.46	17.90	17.86
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.72	-	4.47	-	9.03	-	13.49	-	17.94	-
Middle CH	1.09	-	2.73	-	4.50	-	9.05	-	13.40	-	17.90	-
Highest CH	1.09	-	2.72	-	4.50	-	9.03	-	13.46	-	17.94	-

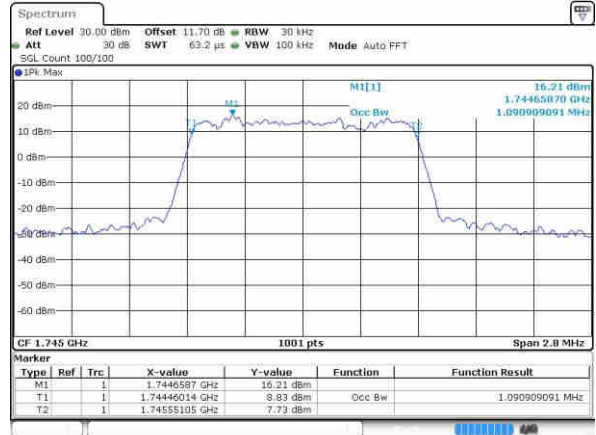


LTE Band 66

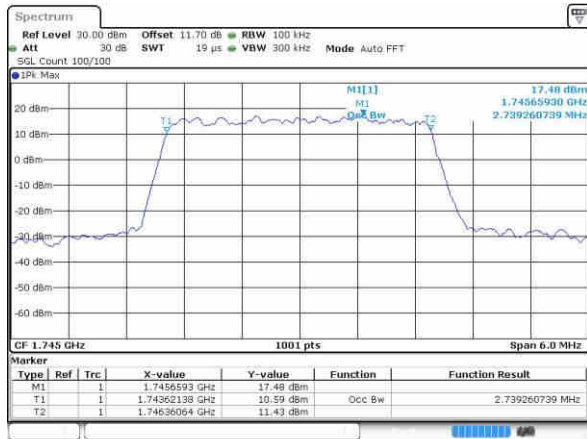
Middle Channel / 1.4MHz / QPSK



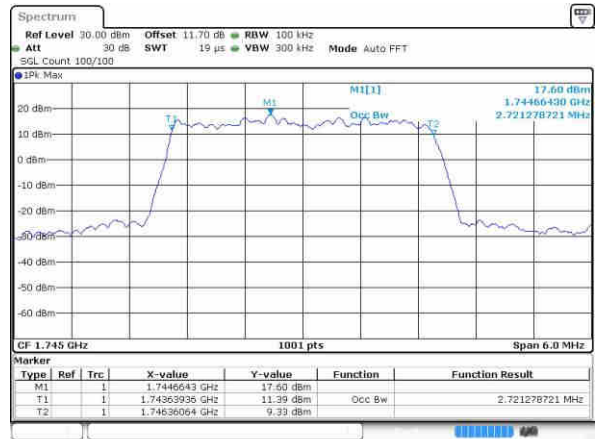
Middle Channel / 1.4MHz / 16QAM



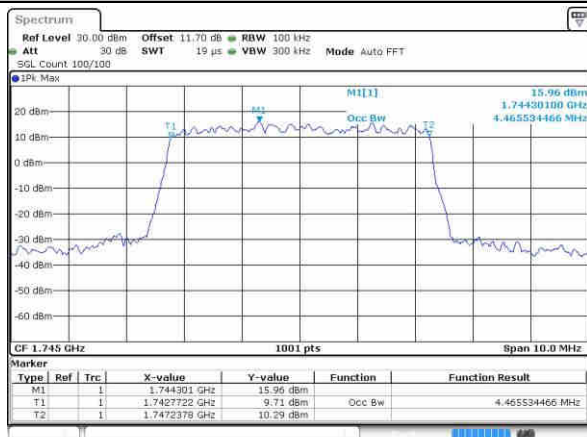
Middle Channel / 3MHz / QPSK



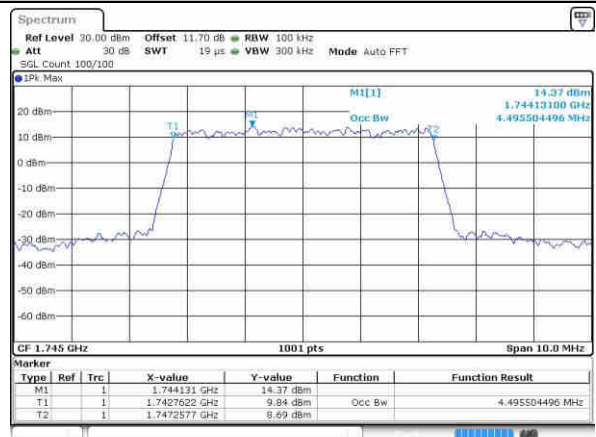
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



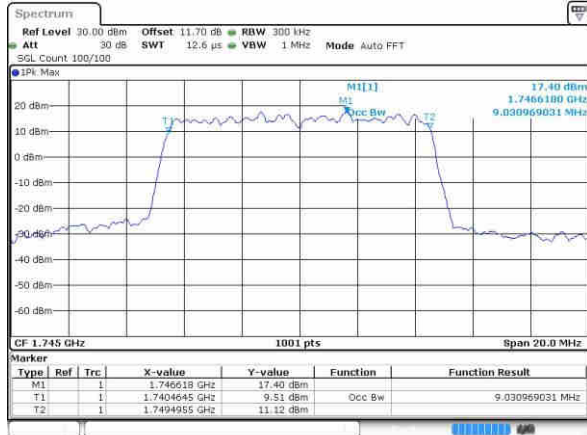
Middle Channel / 5MHz / 16QAM



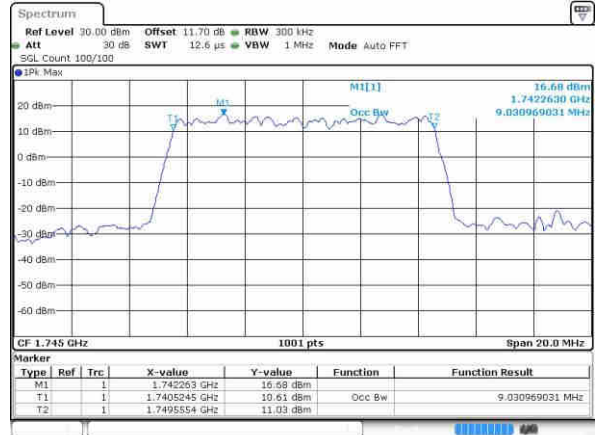


LTE Band 66

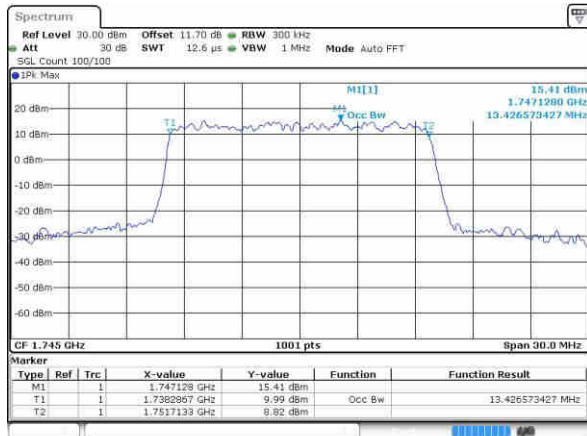
Middle Channel / 10MHz / QPSK



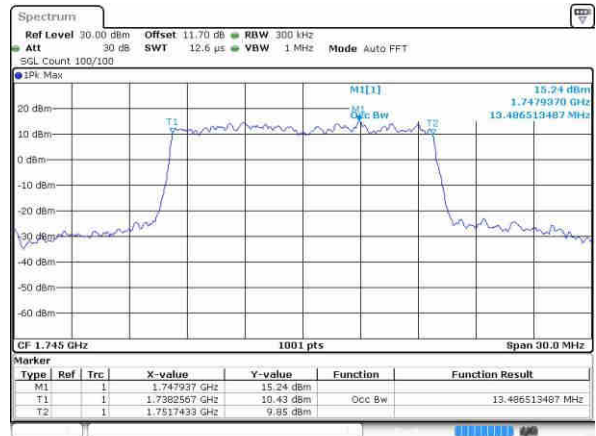
Middle Channel / 10MHz / 16QAM



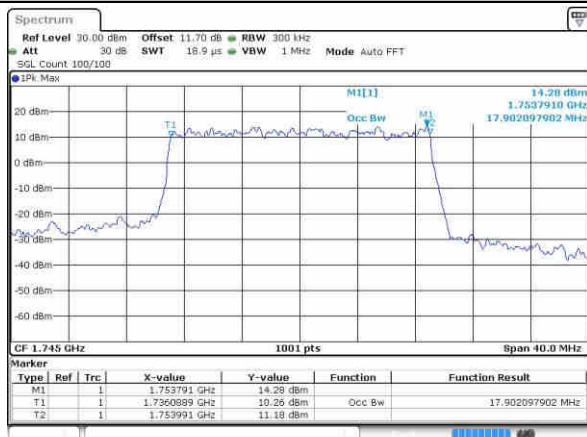
Middle Channel / 15MHz / QPSK



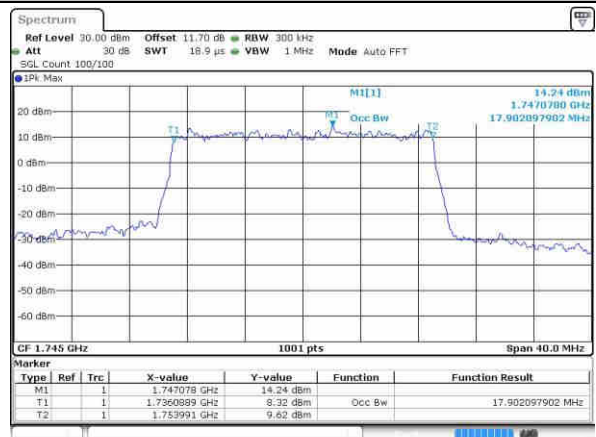
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



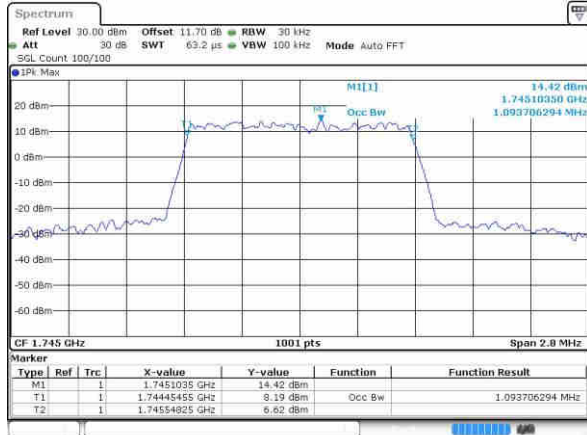
Middle Channel / 20MHz / 16QAM



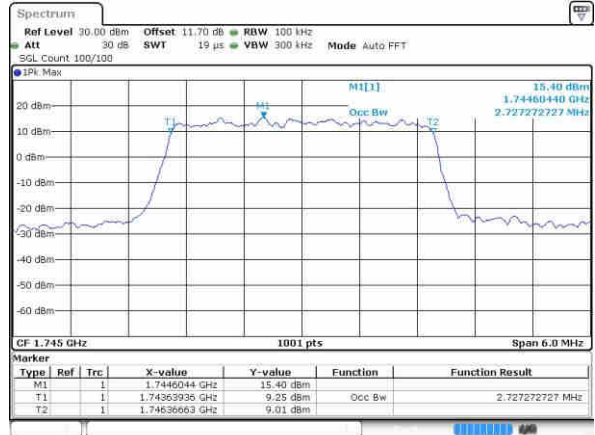


LTE Band 66

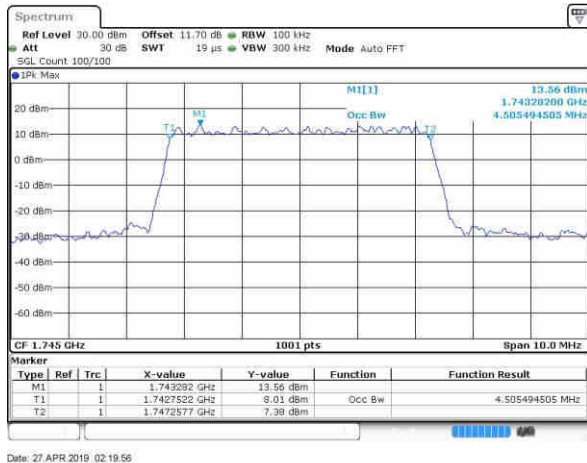
Middle Channel / 20MHz / 64QAM



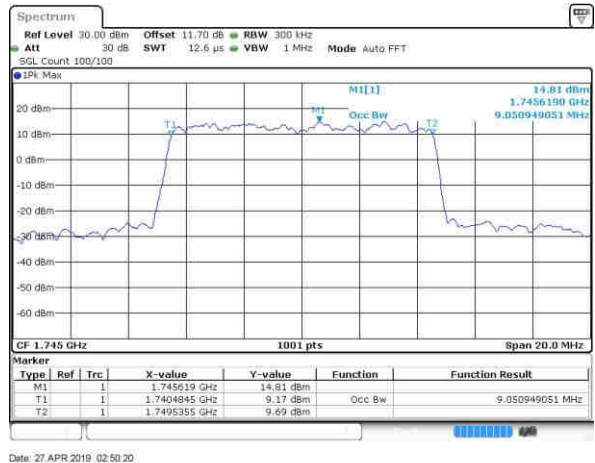
Middle Channel / 3MHz / 64QAM



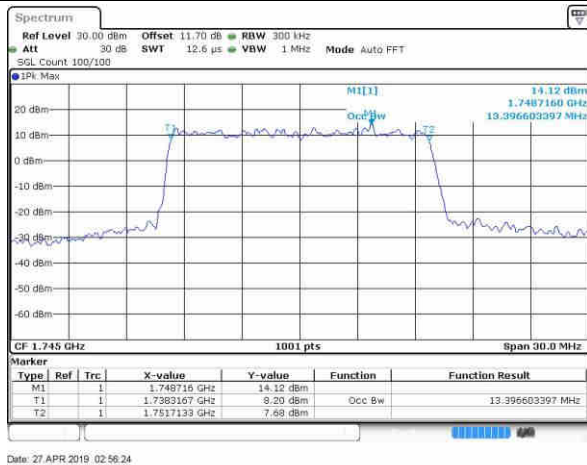
Middle Channel / 5MHz / 64QAM



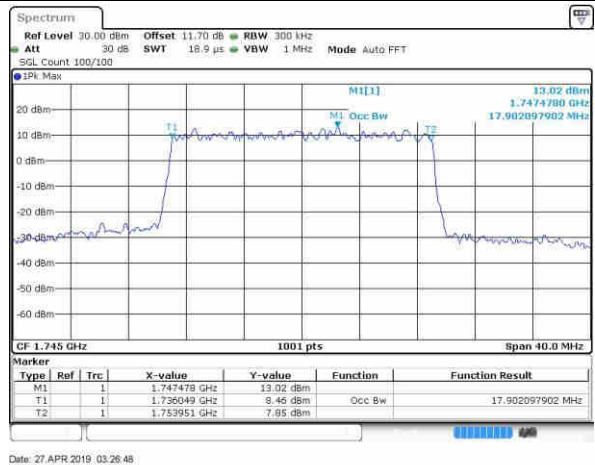
Middle Channel / 10MHz / 64QAM

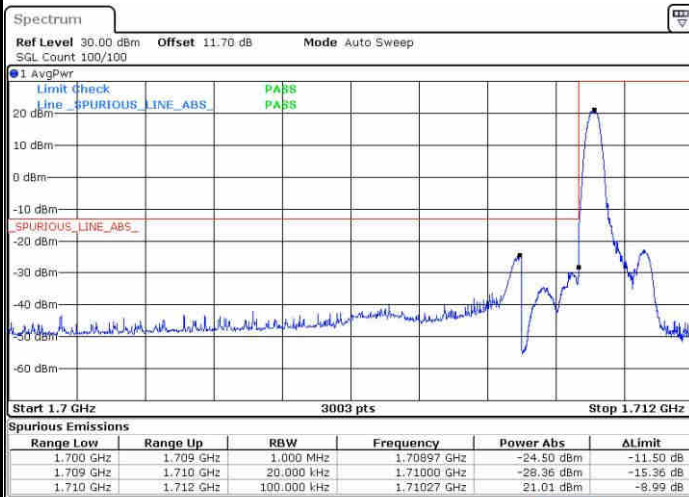
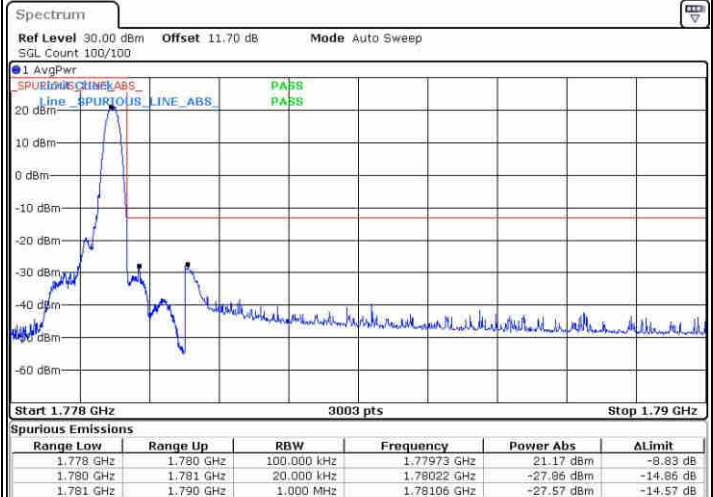
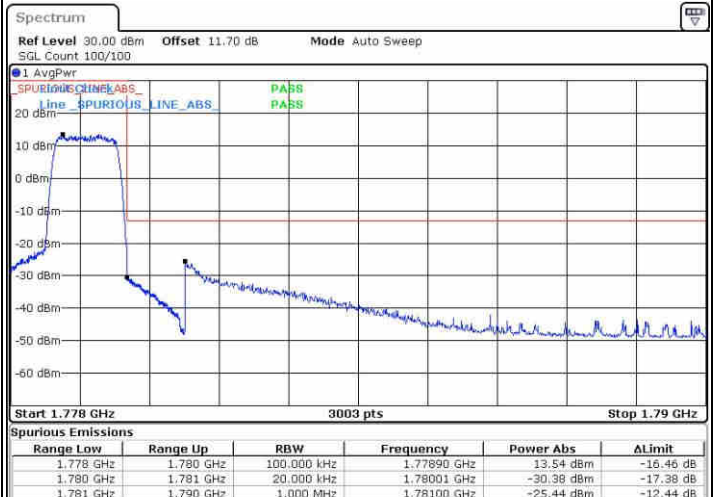


Middle Channel / 15MHz / 64QAM



Middle Channel / 20MHz / 64QAM

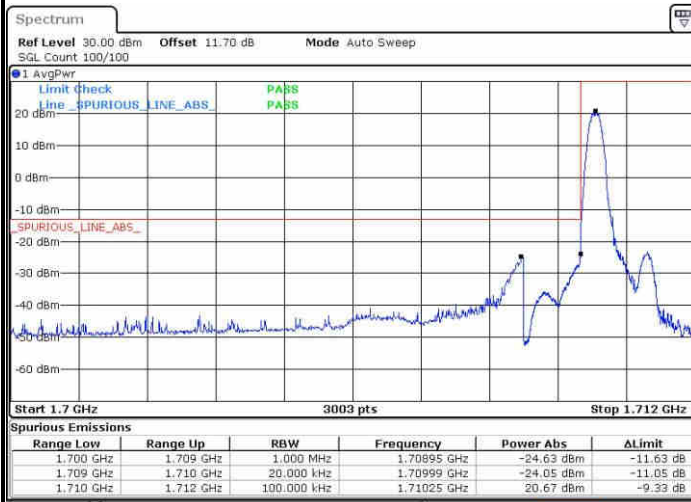


**Conducted Band Edge****LTE Band 66 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

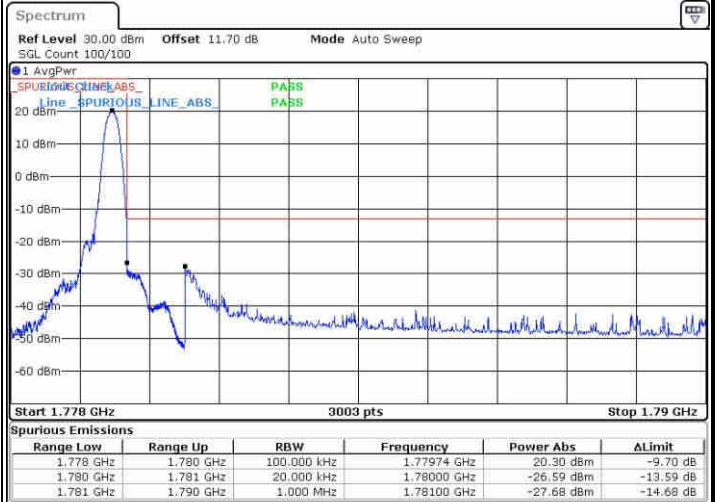


LTE Band 66 / 1.4MHz / 16QAM

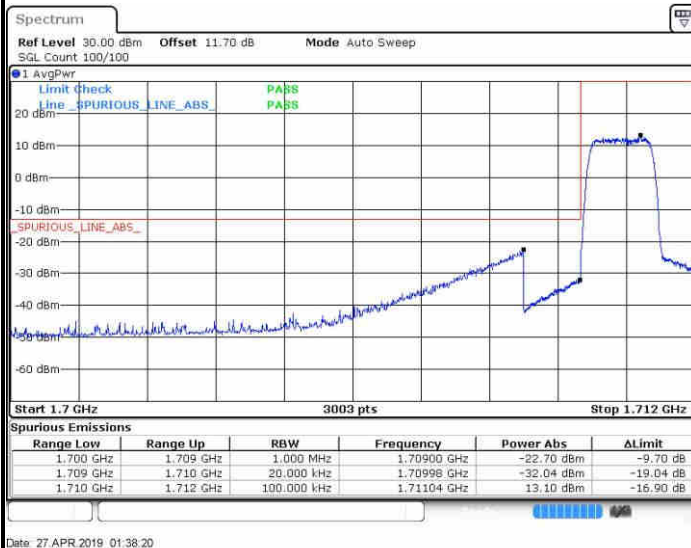
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



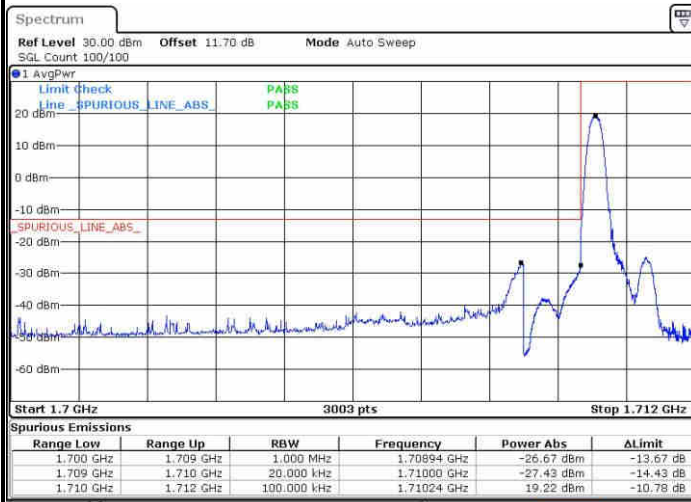
Highest Band Edge / Full RB



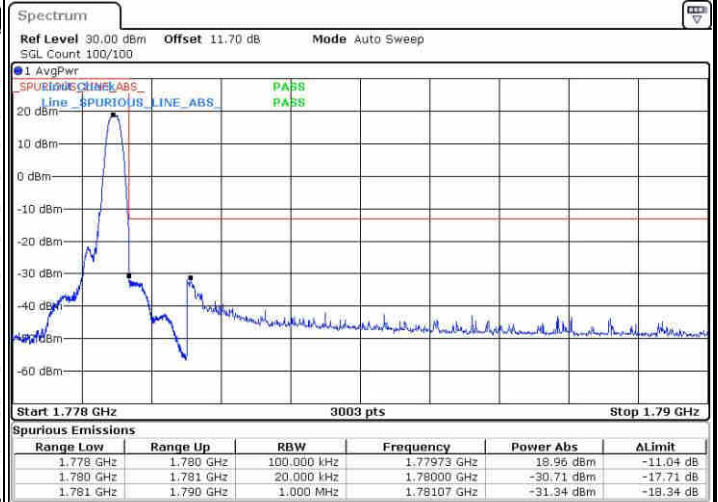


LTE Band 66 / 1.4MHz / 64QAM

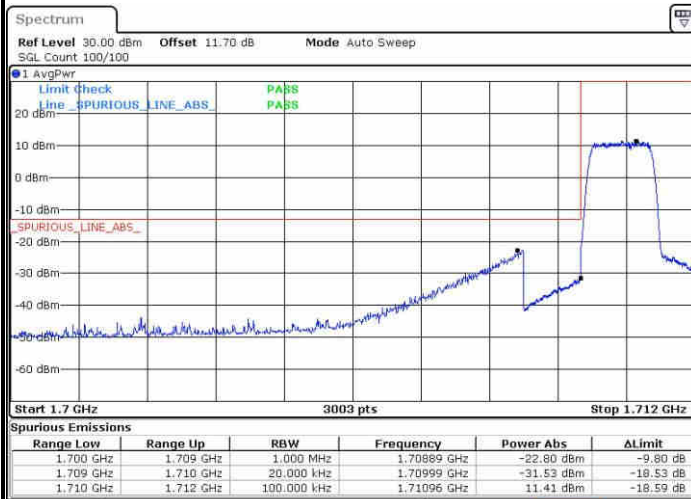
Lowest Band Edge / 1 RB



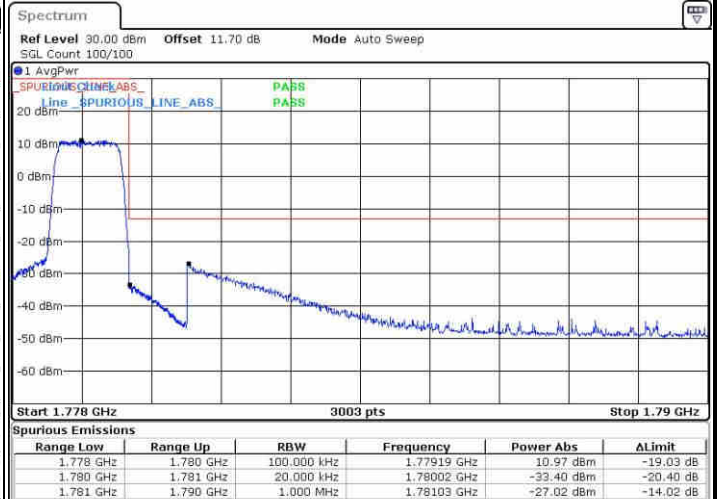
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



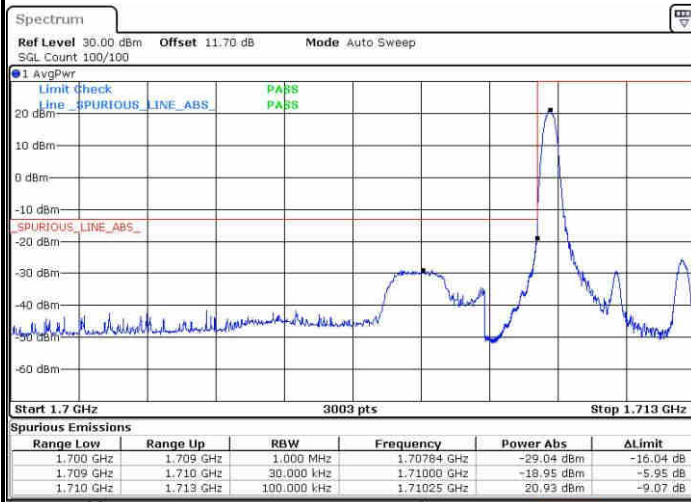
Highest Band Edge / Full RB



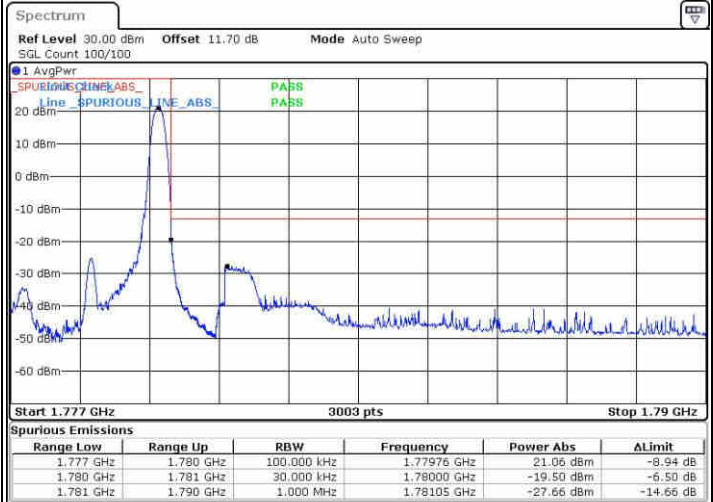


LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



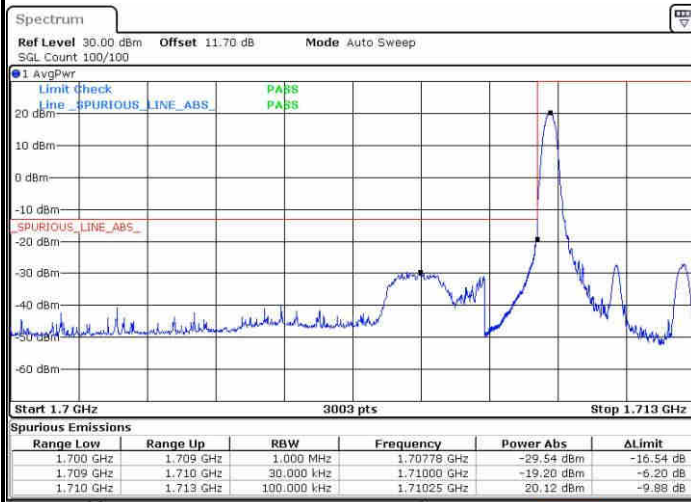
Highest Band Edge / Full RB



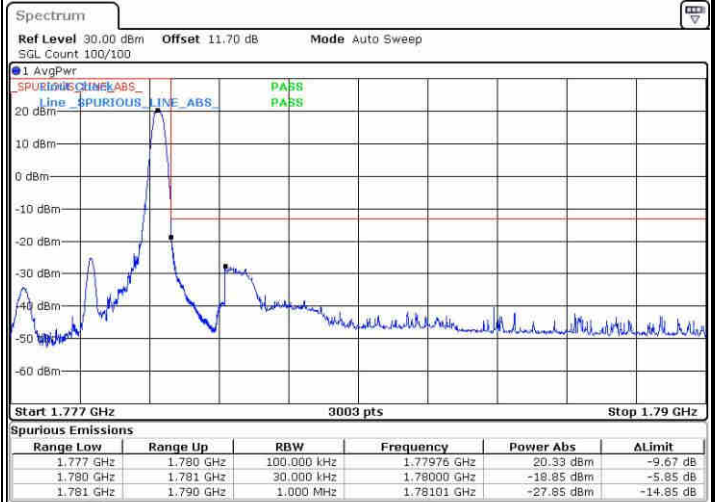


LTE Band 66 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



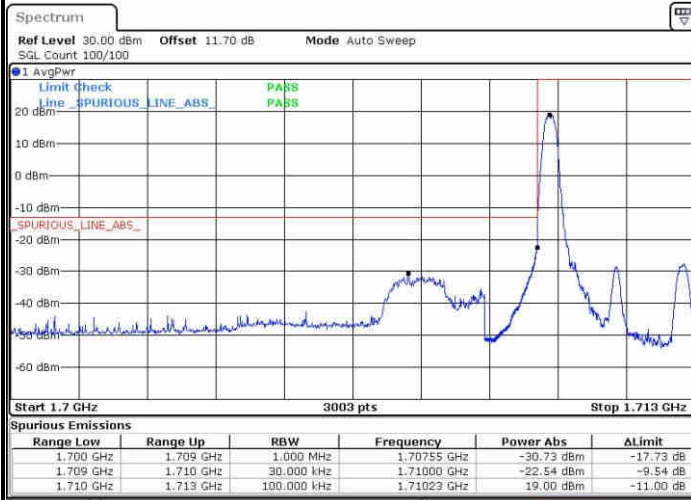
Highest Band Edge / Full RB



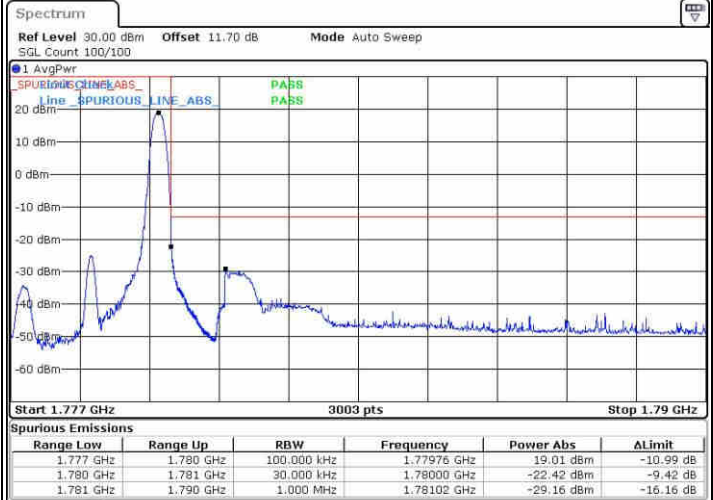


LTE Band 66 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



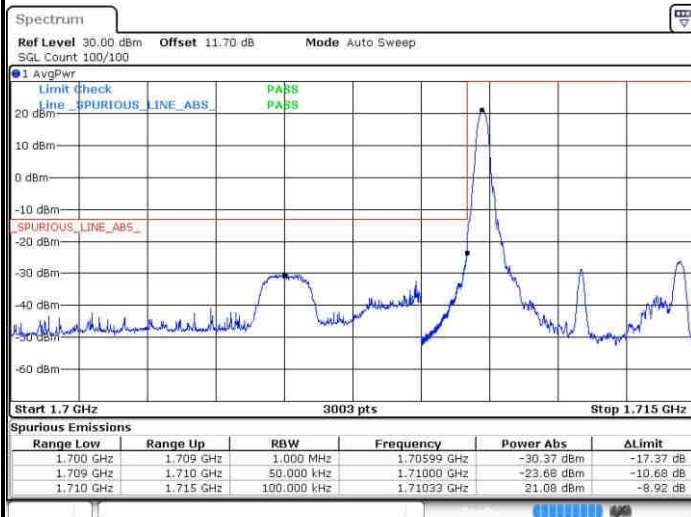
Highest Band Edge / Full RB



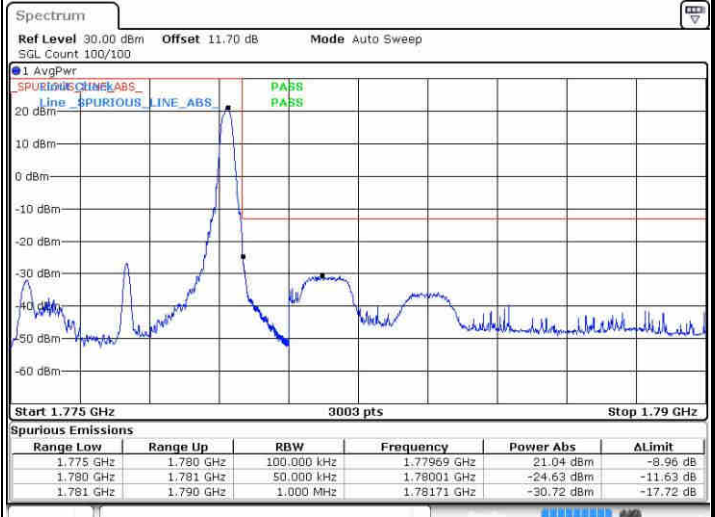


LTE Band 66 / 5MHz / QPSK

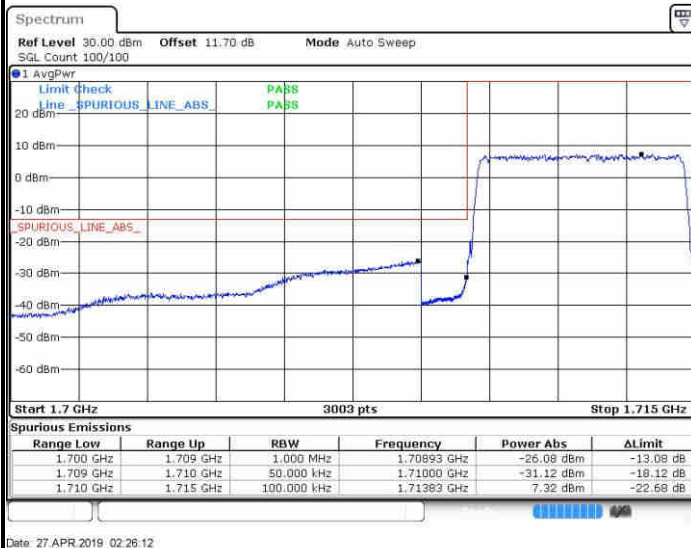
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



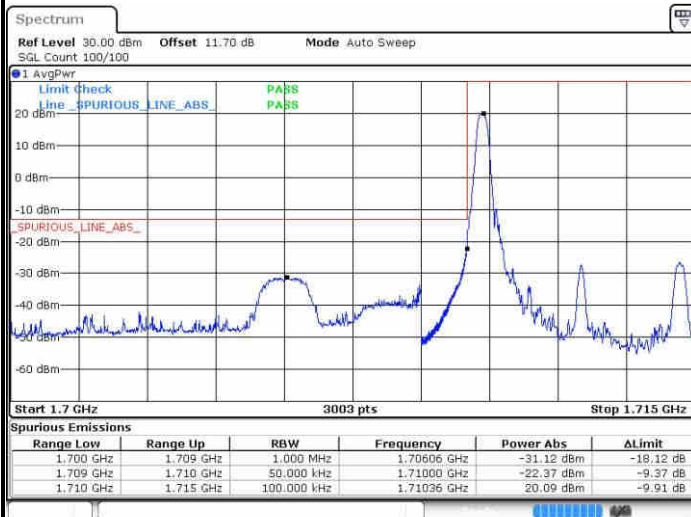
Highest Band Edge / Full RB



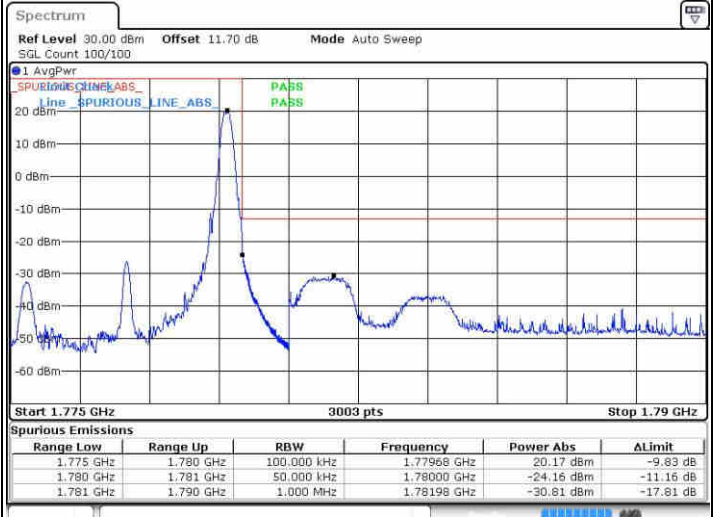


LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



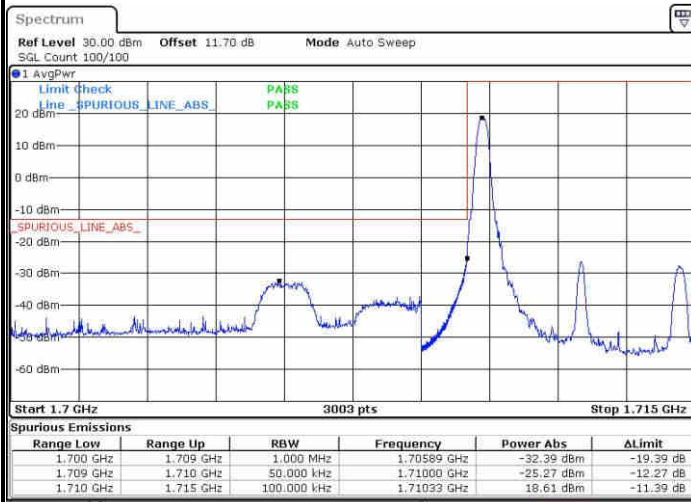
Highest Band Edge / Full RB



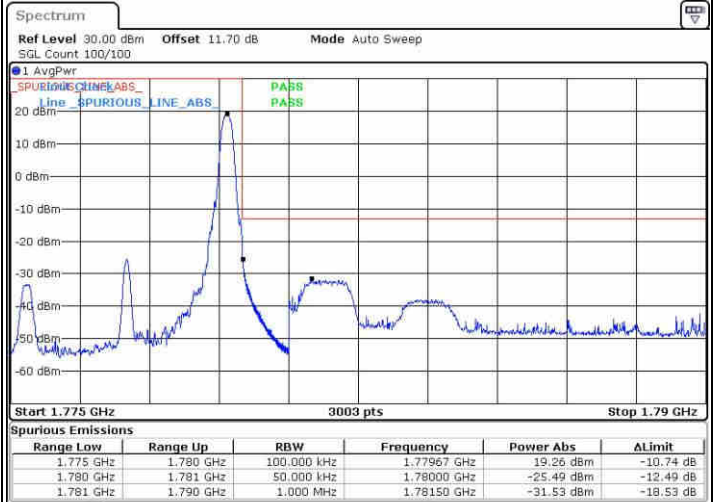


LTE Band 66 / 5MHz / 64QAM

Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



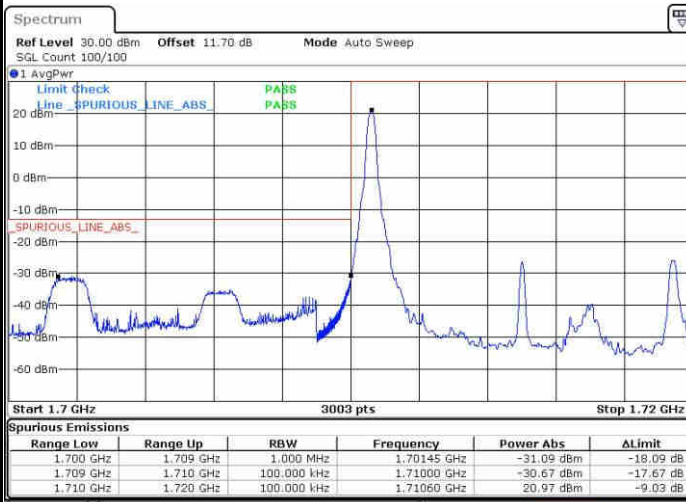
Highest Band Edge / Full RB



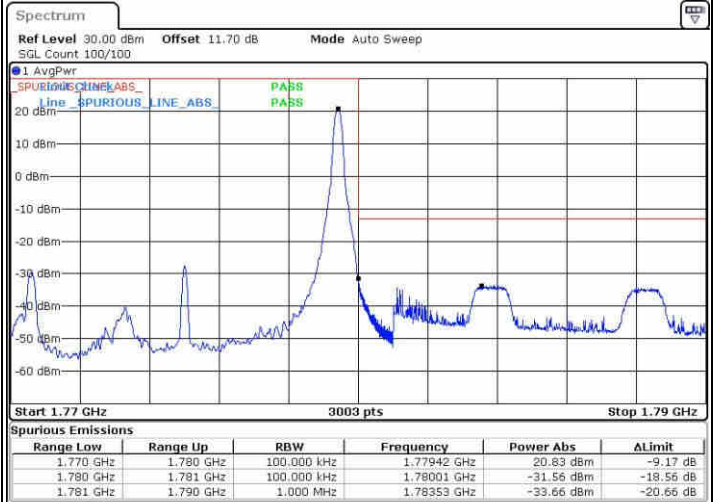


LTE Band 66 / 10MHz / QPSK

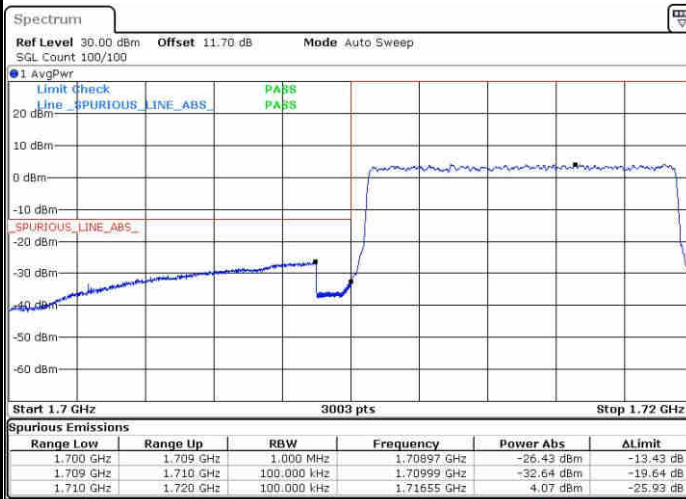
Lowest Band Edge / 1 RB



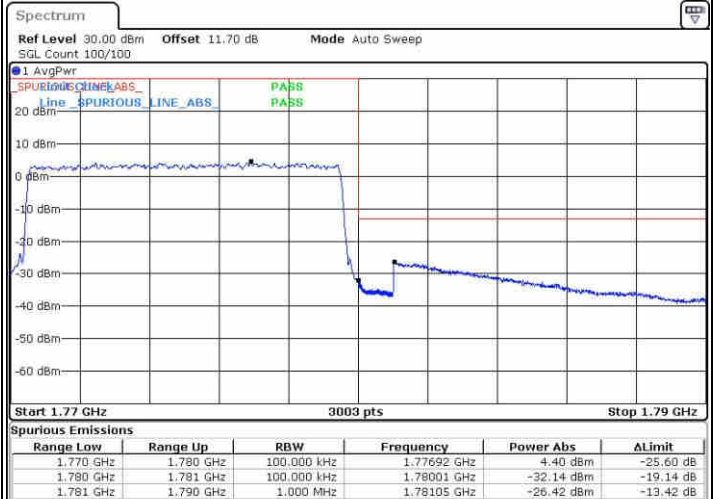
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



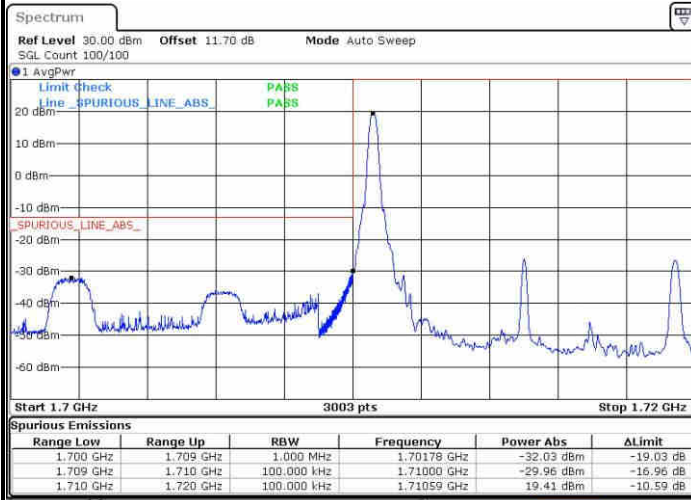
Highest Band Edge / Full RB



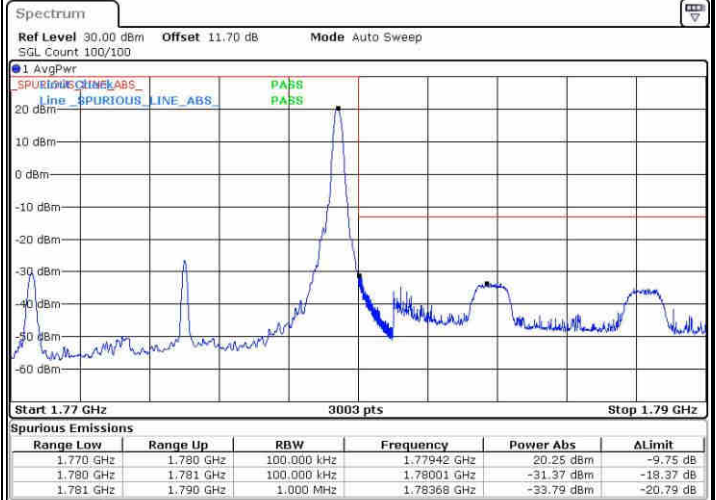


LTE Band 66 / 10MHz / 16QAM

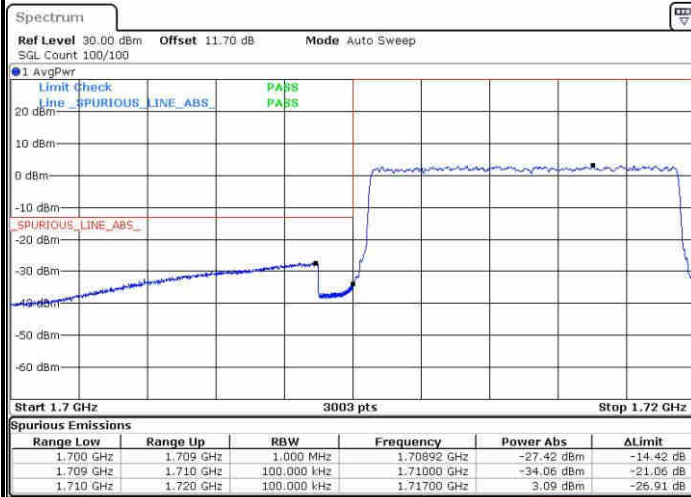
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



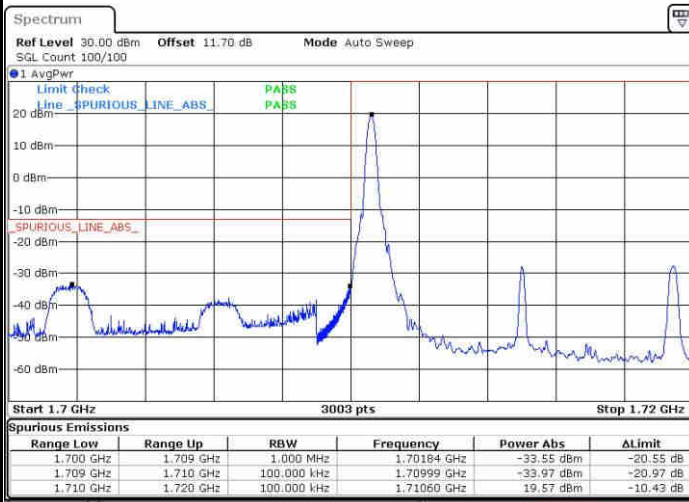
Highest Band Edge / Full RB



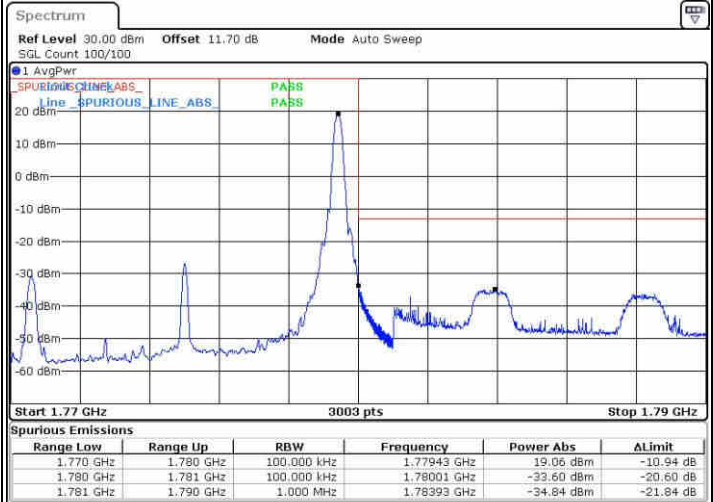


LTE Band 66 / 10MHz / 64QAM

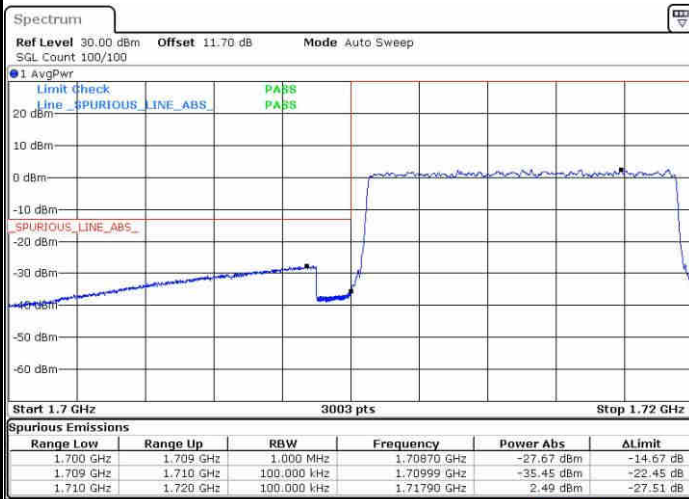
Lowest Band Edge / 1 RB



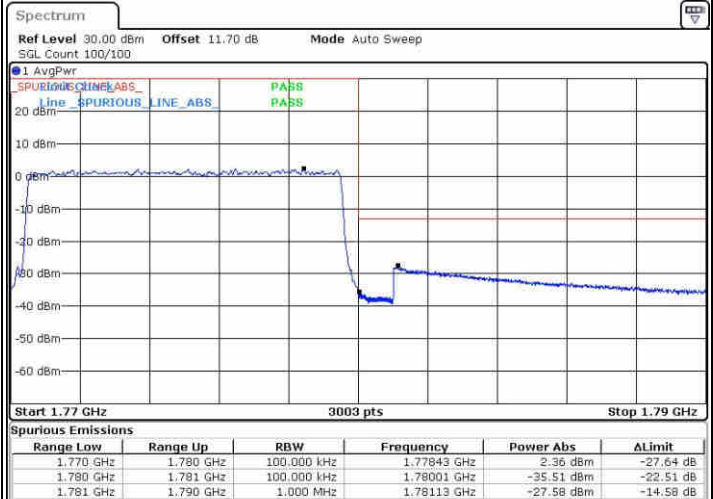
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



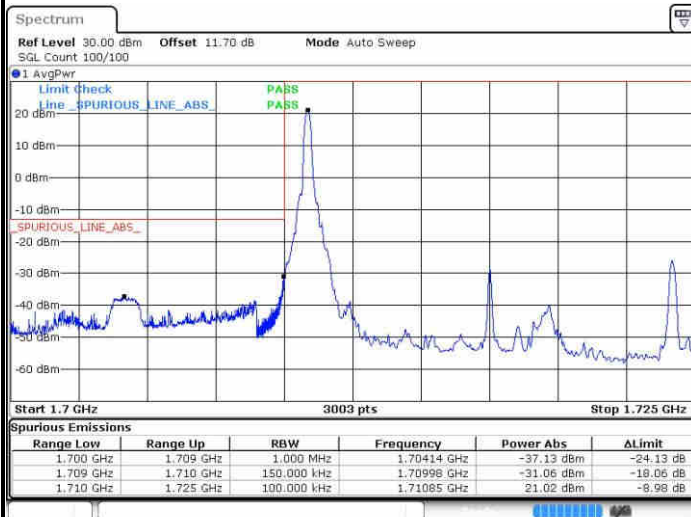
Highest Band Edge / Full RB



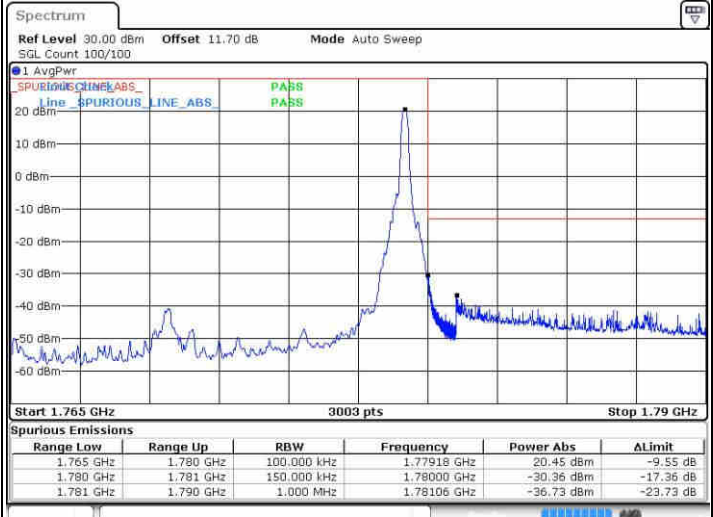


LTE Band 66 / 15MHz / QPSK

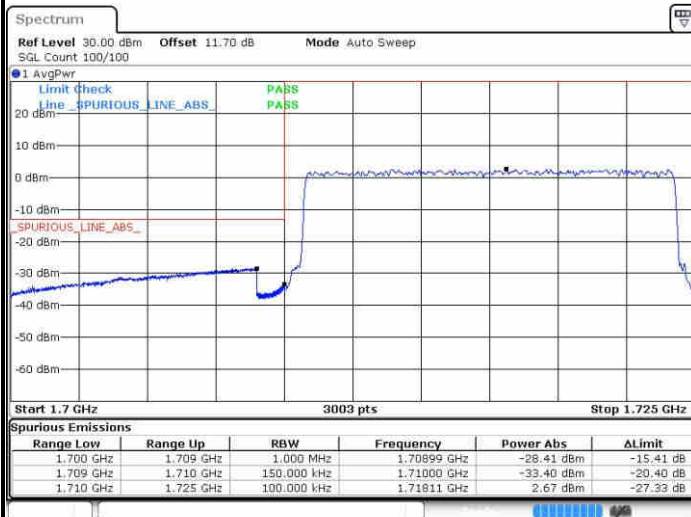
Lowest Band Edge / 1 RB



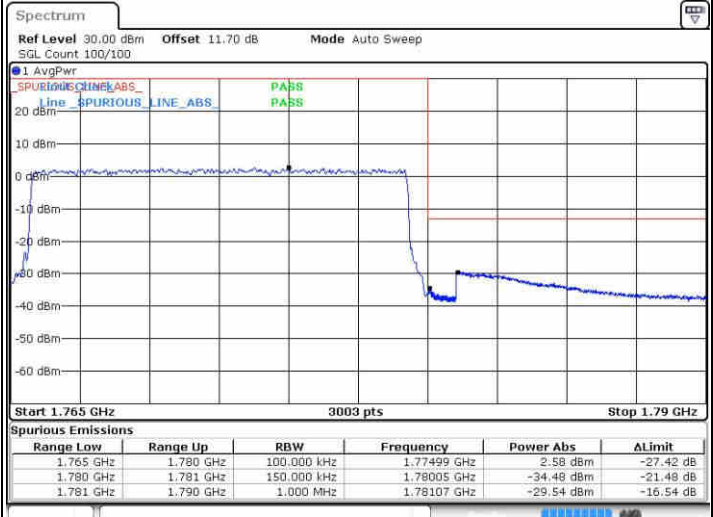
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



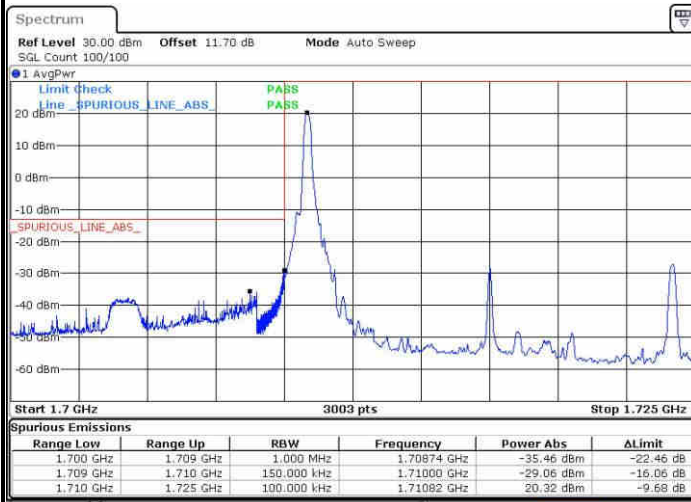
Highest Band Edge / Full RB



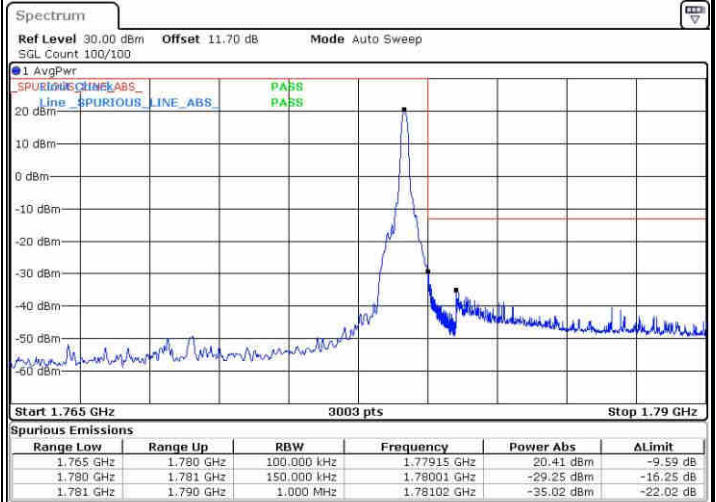


LTE Band 66 / 15MHz / 16QAM

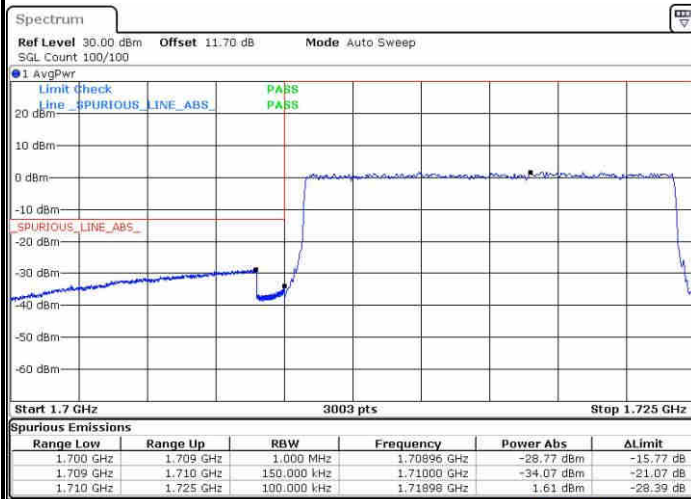
Lowest Band Edge / 1 RB



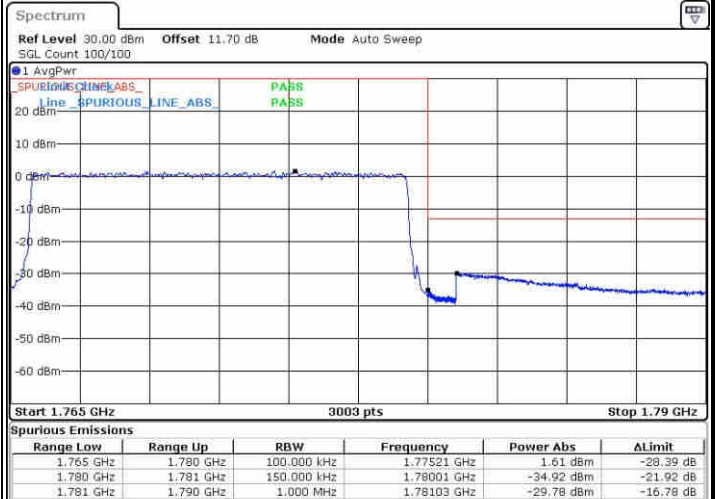
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



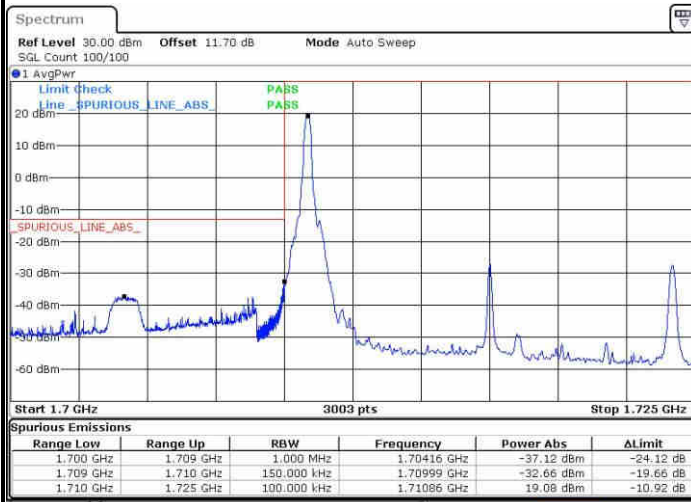
Highest Band Edge / Full RB



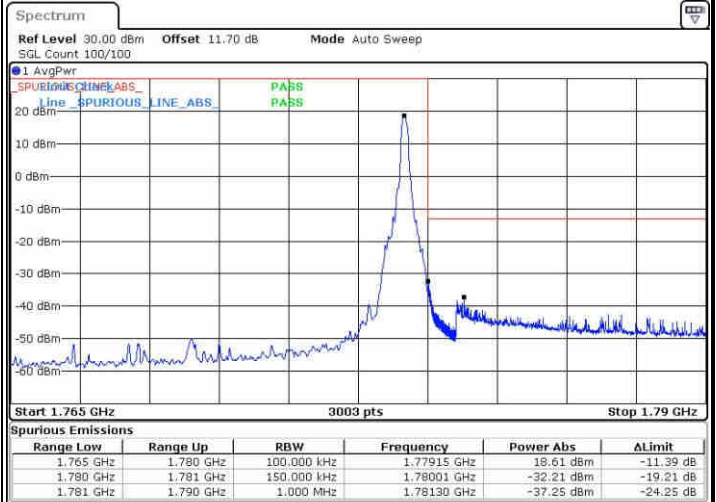


LTE Band 66 / 15MHz / 64QAM

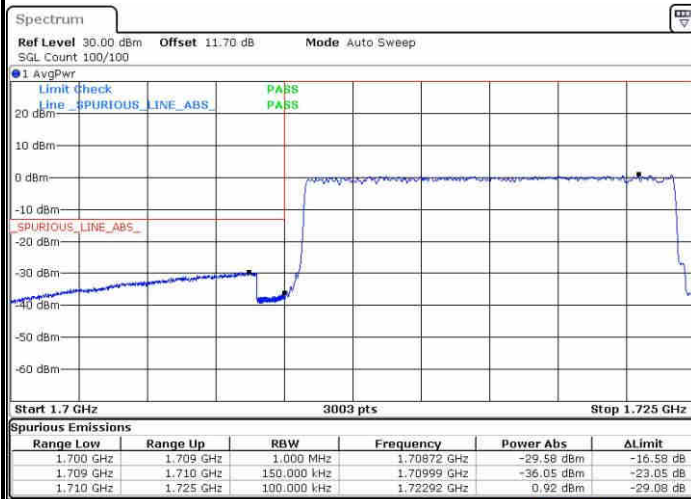
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



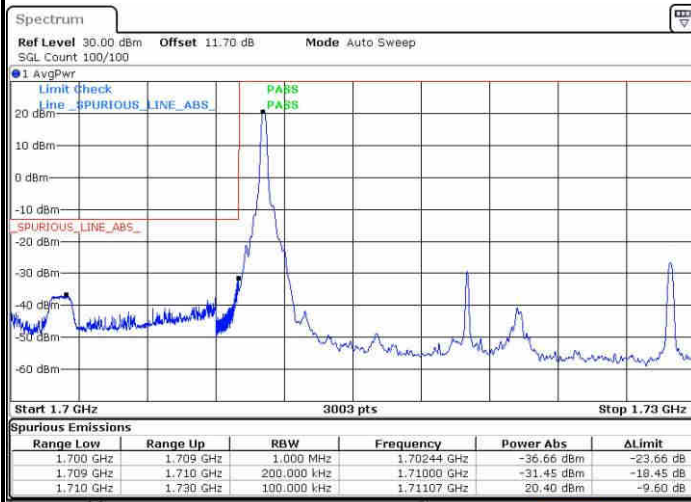
Highest Band Edge / Full RB



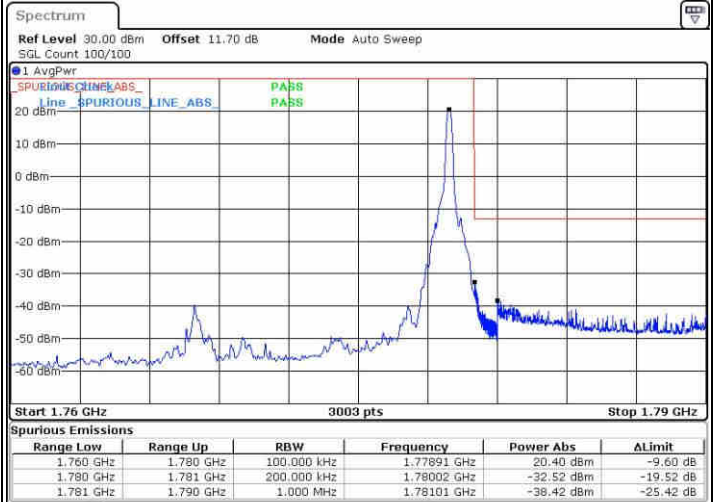


LTE Band 66 / 20MHz / QPSK

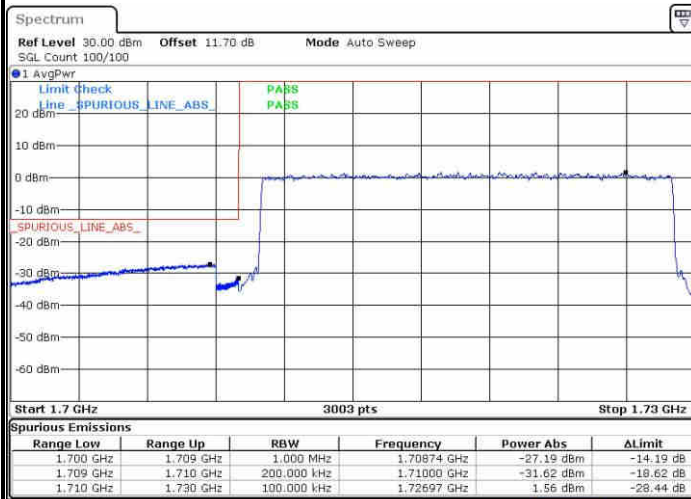
Lowest Band Edge / 1 RB



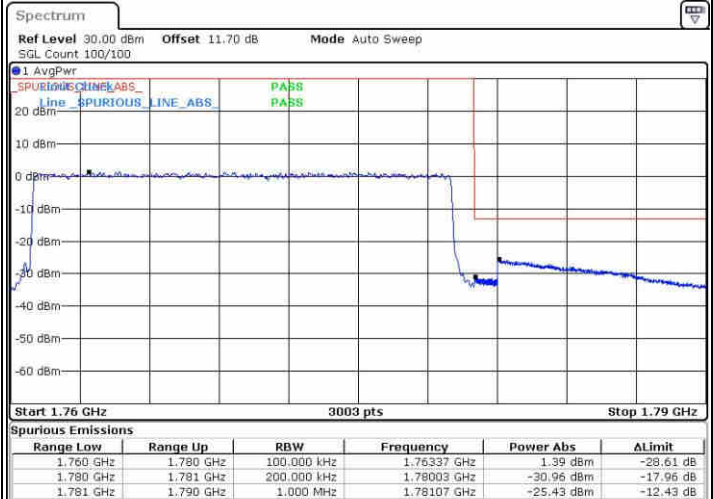
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



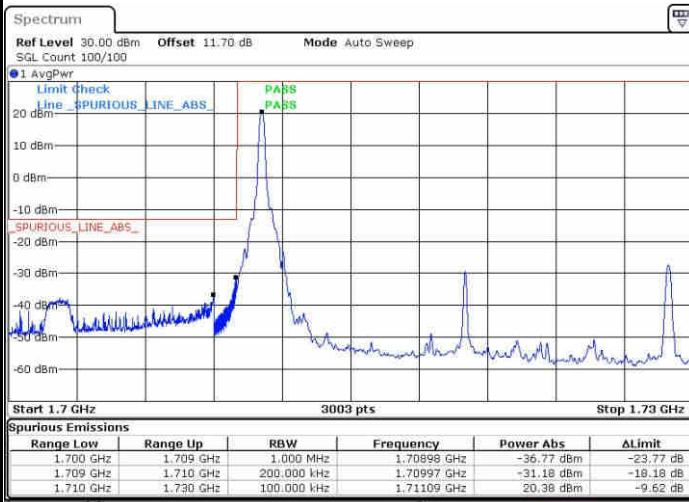
Highest Band Edge / Full RB



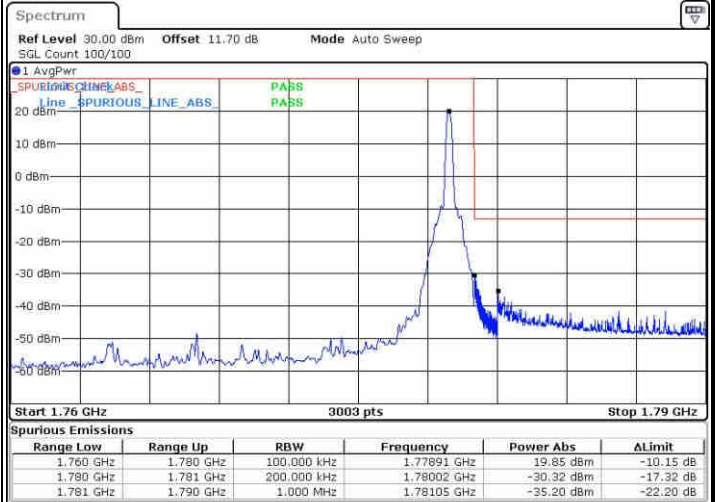


LTE Band 66 / 20MHz / 16QAM

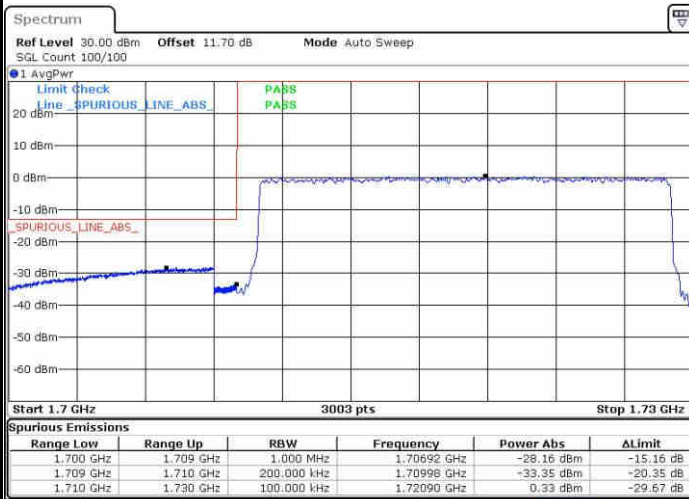
Lowest Band Edge / 1 RB



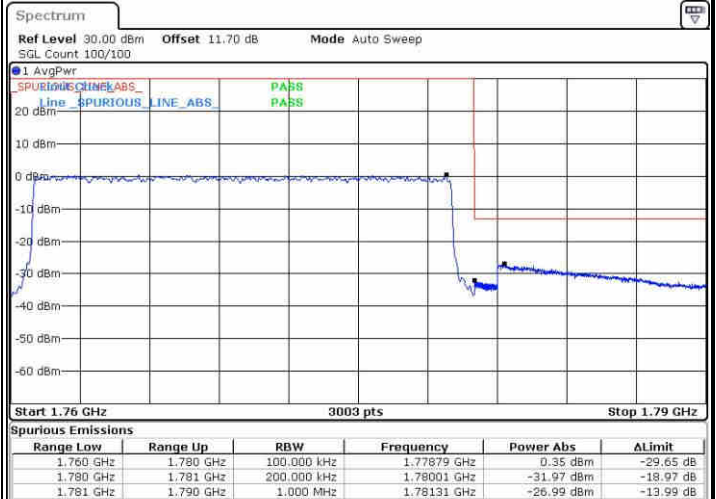
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



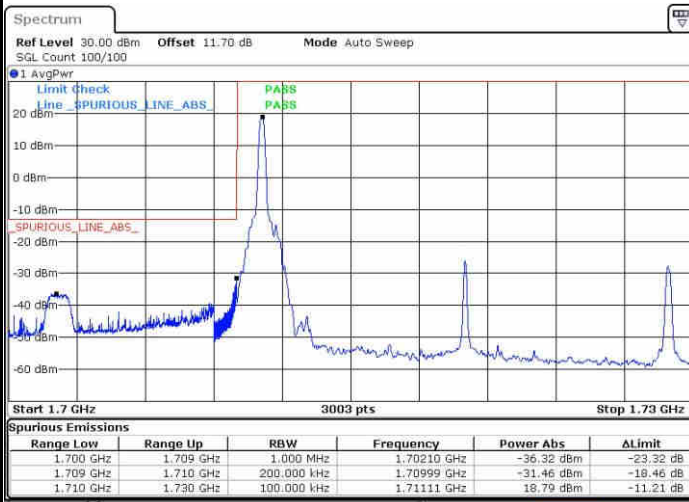
Highest Band Edge / Full RB



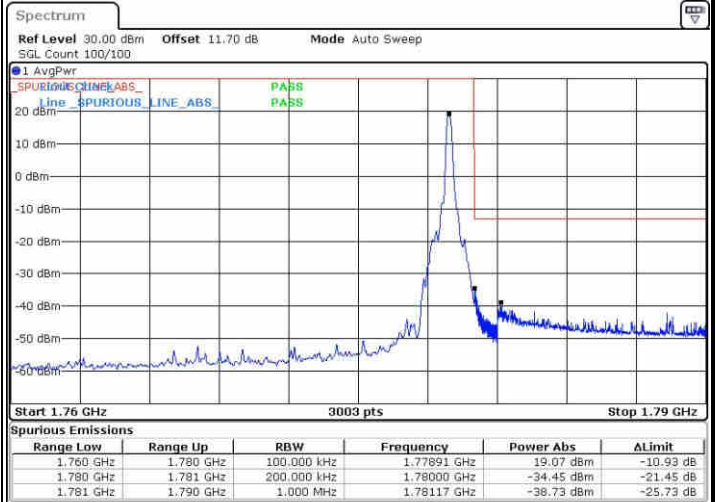


LTE Band 66 / 20MHz / 64QAM

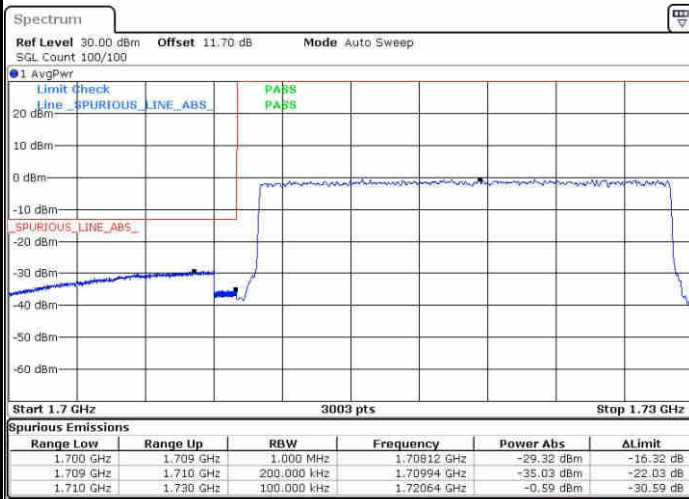
Lowest Band Edge / 1 RB



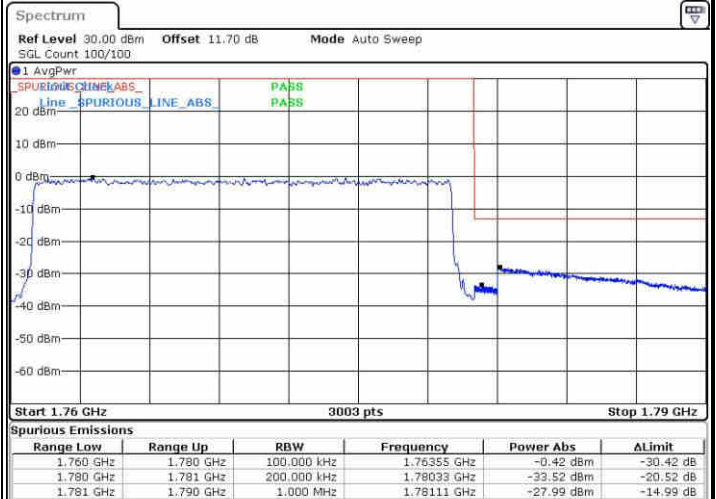
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

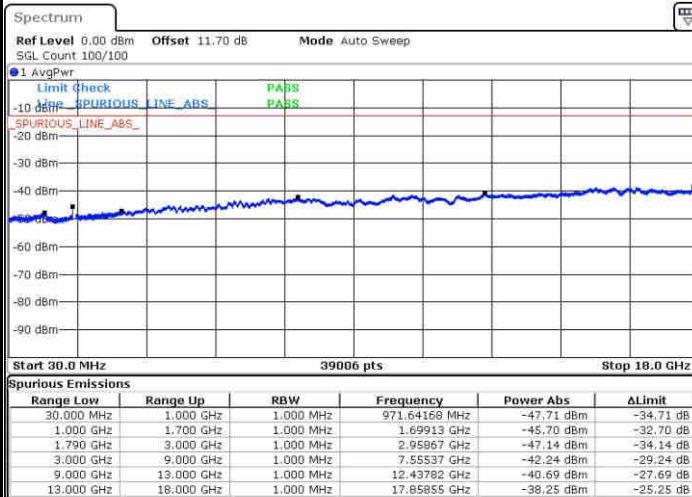




Conducted Spurious Emission

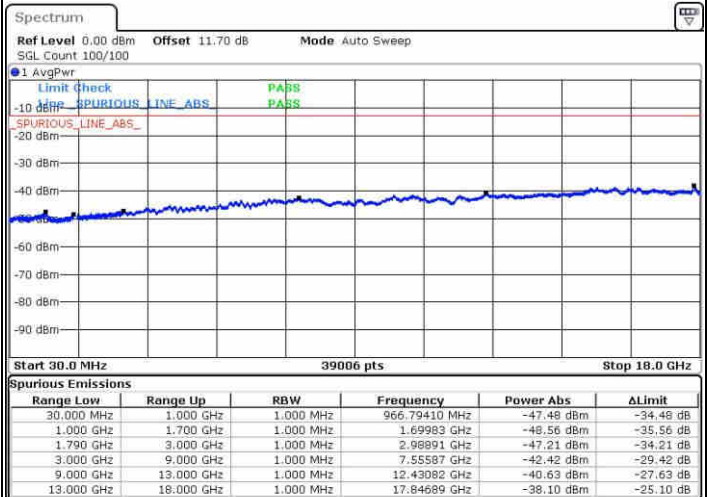
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK



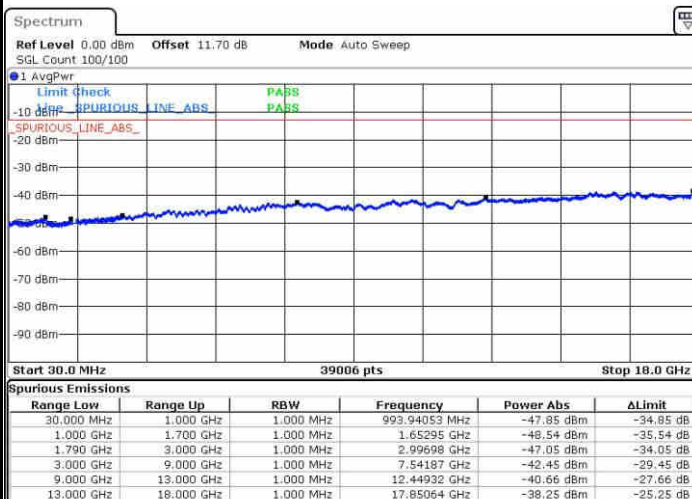
Date: 27.APR.2019 01:39:01

Lowest Channel / 16QAM



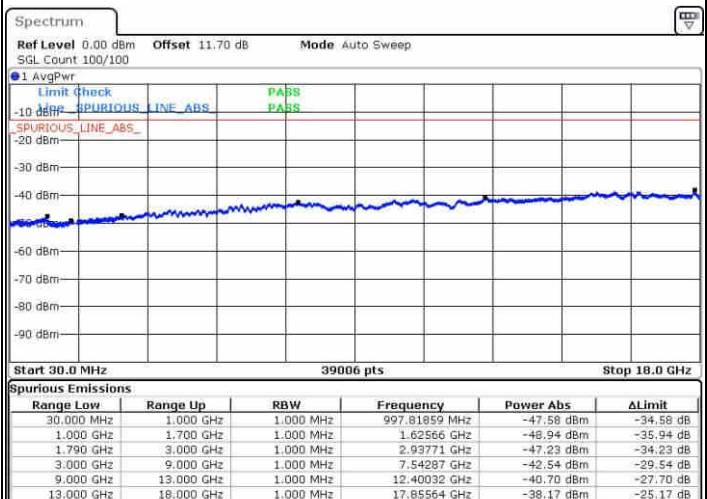
Date: 27.APR.2019 01:39:43

Middle Channel / QPSK



Date: 27.APR.2019 01:41:15

Middle Channel / 16QAM

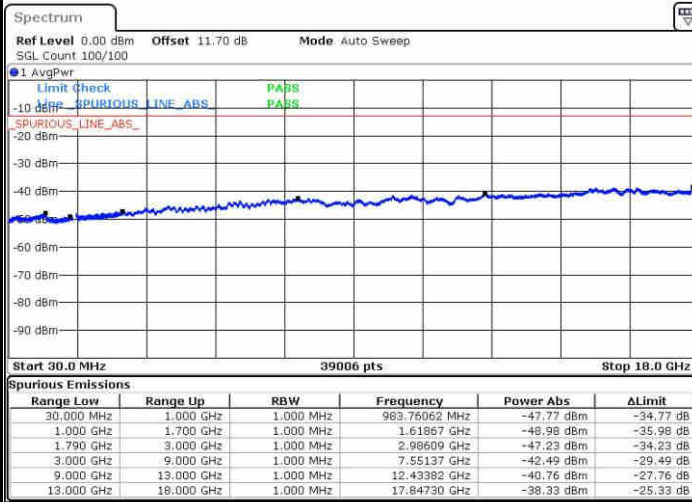


Date: 27.APR.2019 01:41:57



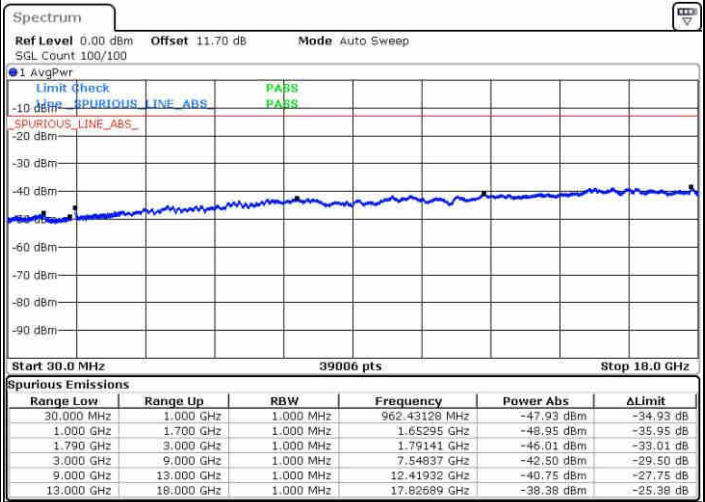
LTE Band 66 / 1.4MHz

Highest Channel / QPSK



Date: 27 APR 2019 01:47:45

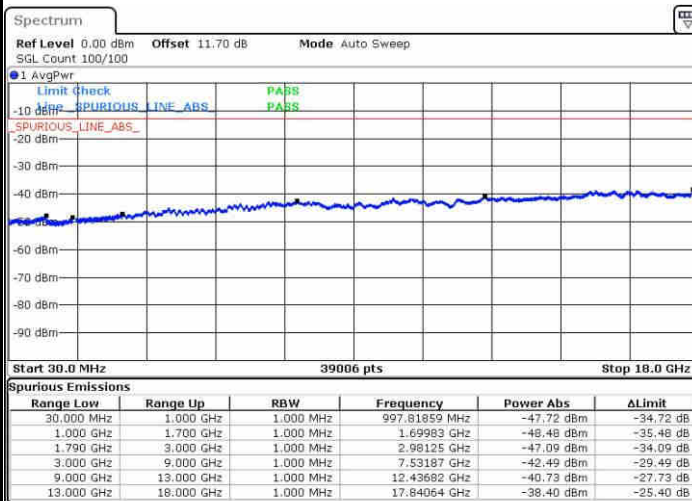
Highest Channel / 16QAM



Date: 27 APR 2019 01:48:27

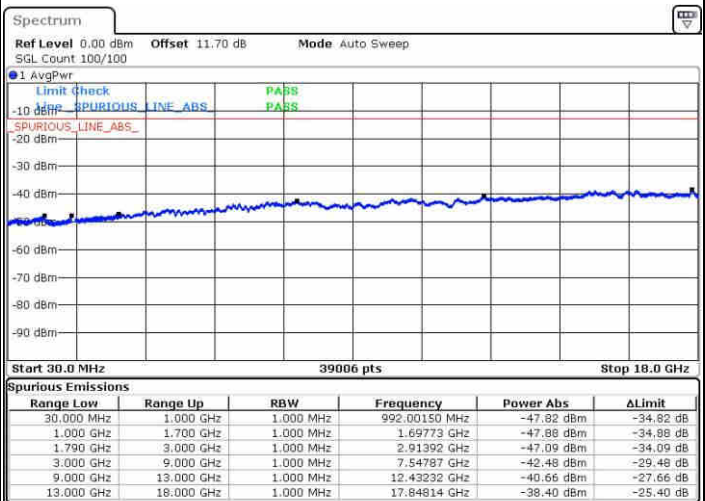
LTE Band 66 / 3MHz

Lowest Channel / QPSK



Date: 27 APR 2019 02:03:16

Lowest Channel / 16QAM

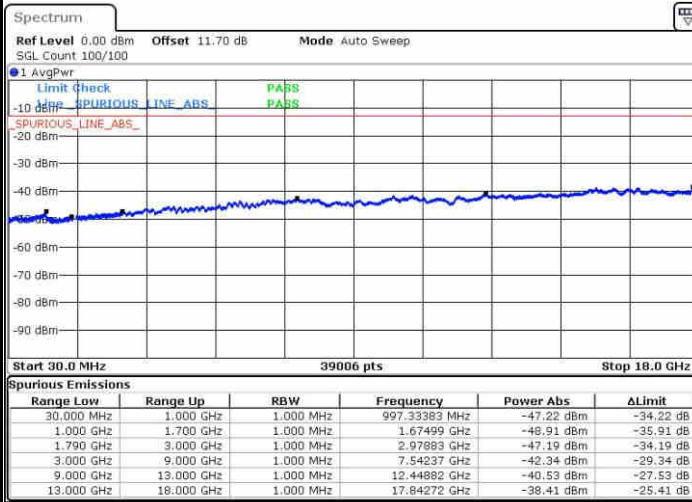


Date: 27 APR 2019 02:03:58



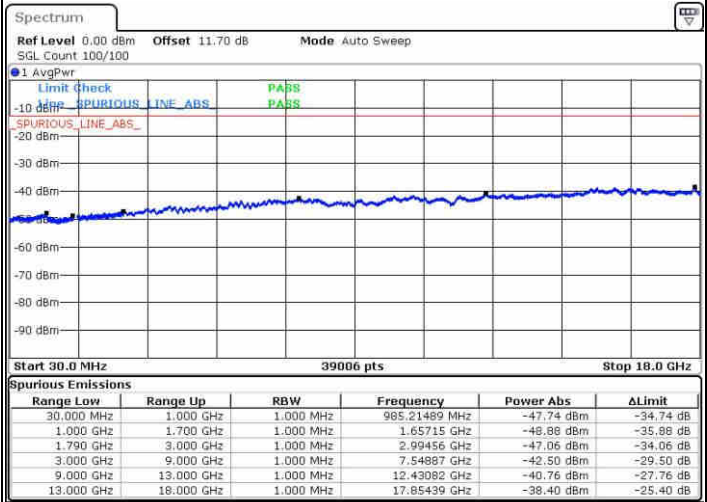
LTE Band 66 / 3MHz

Middle Channel / QPSK



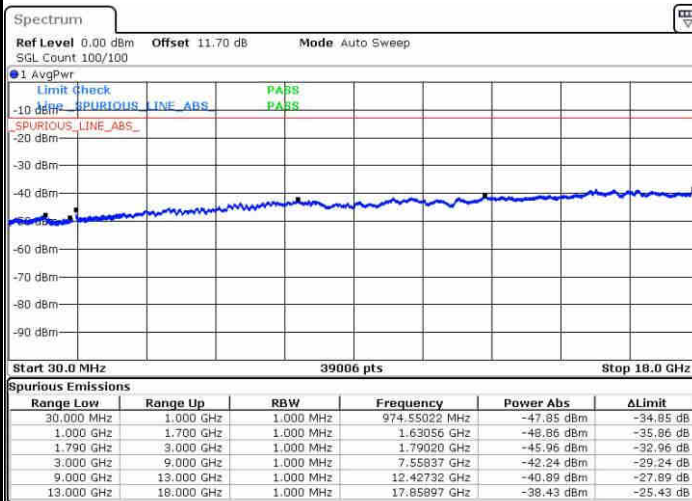
Date: 27 APR 2019 02:05:29

Middle Channel / 16QAM



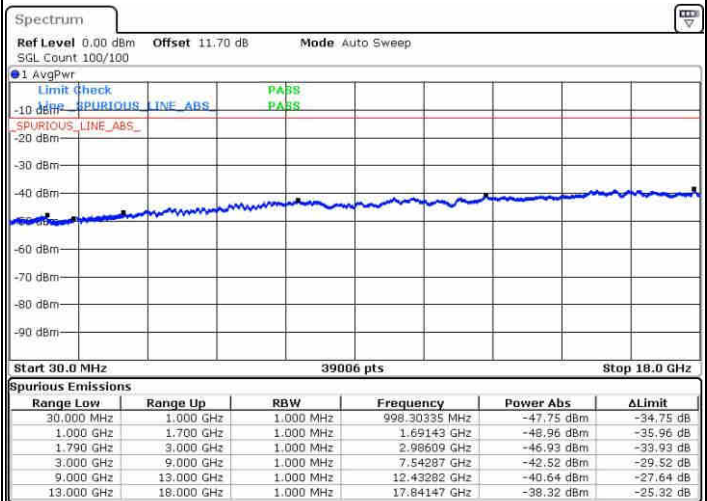
Date: 27 APR 2019 02:06:11

Highest Channel / QPSK



Date: 27 APR 2019 02:10:27

Highest Channel / 16QAM

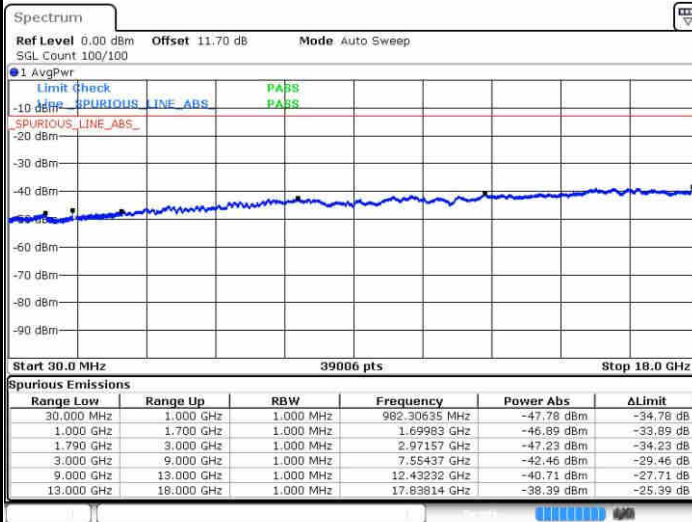


Date: 27 APR 2019 02:11:09



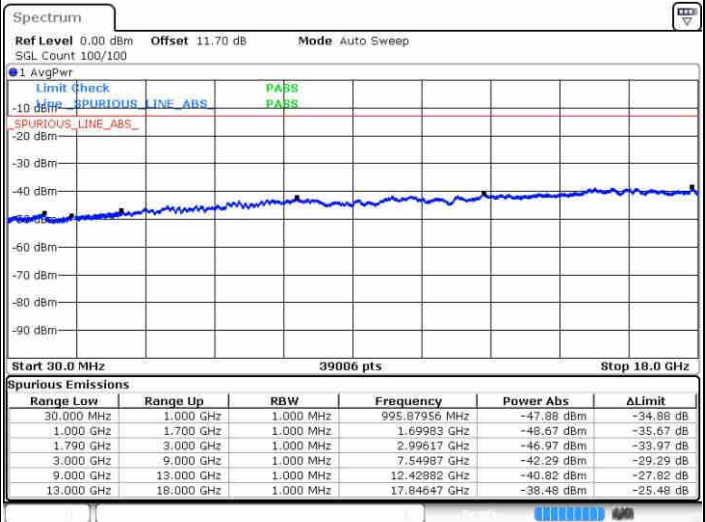
LTE Band 66 / 5MHz

Lowest Channel / QPSK



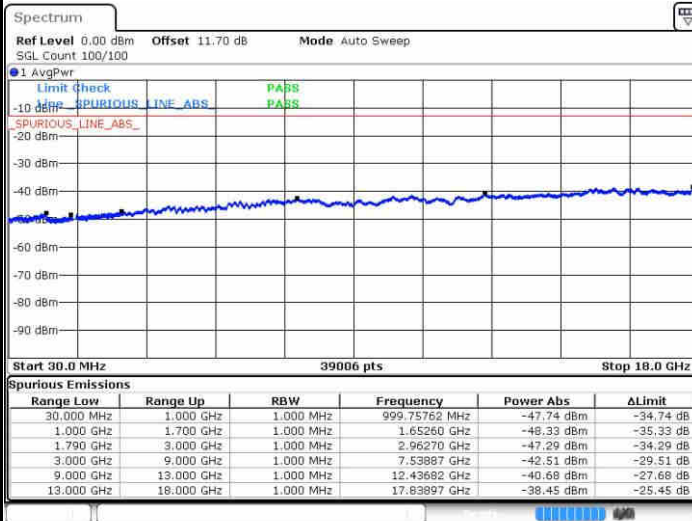
Date: 27 APR 2019 02:27:34

Lowest Channel / 16QAM



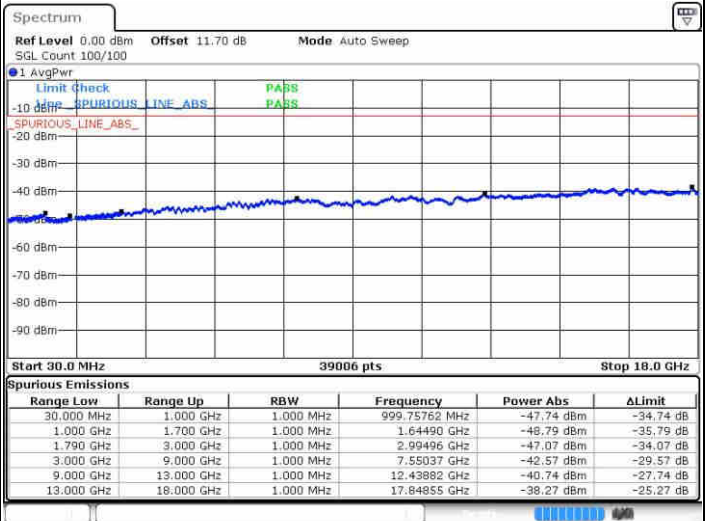
Date: 27 APR 2019 02:28:16

Middle Channel / QPSK



Date: 27 APR 2019 02:29:48

Middle Channel / 16QAM

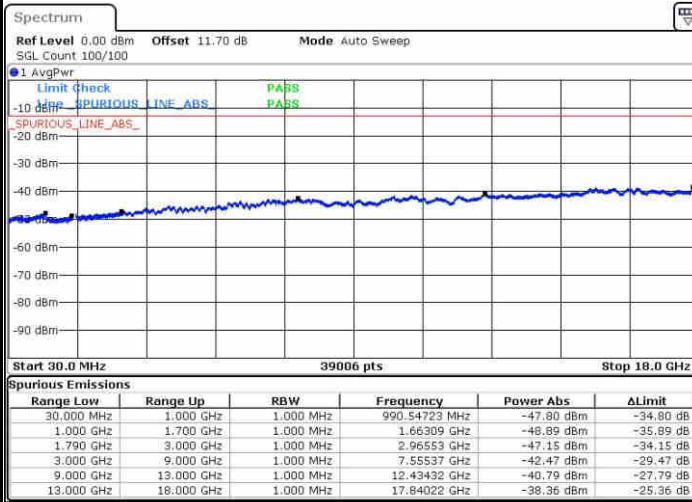


Date: 27 APR 2019 02:30:30



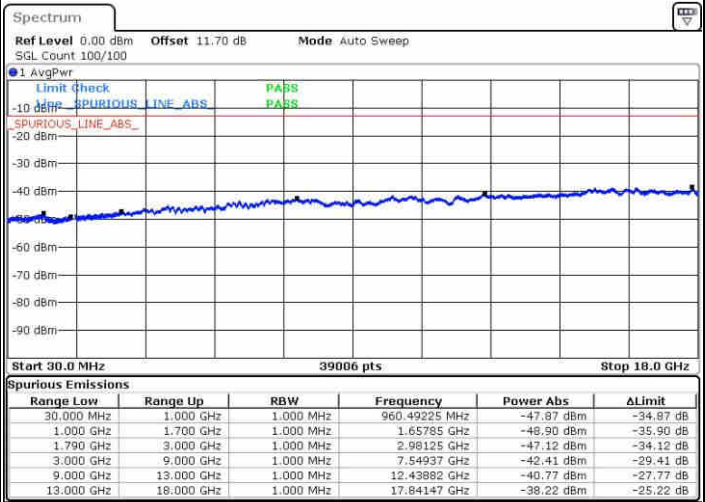
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 27 APR 2019 02:34:46

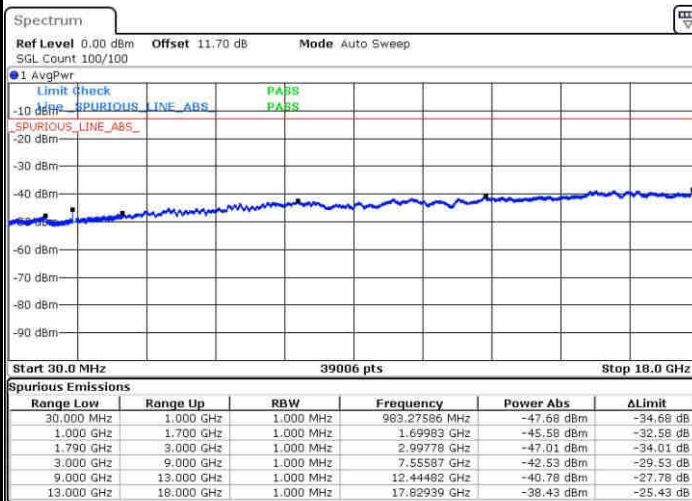
Highest Channel / 16QAM



Date: 27 APR 2019 02:35:28

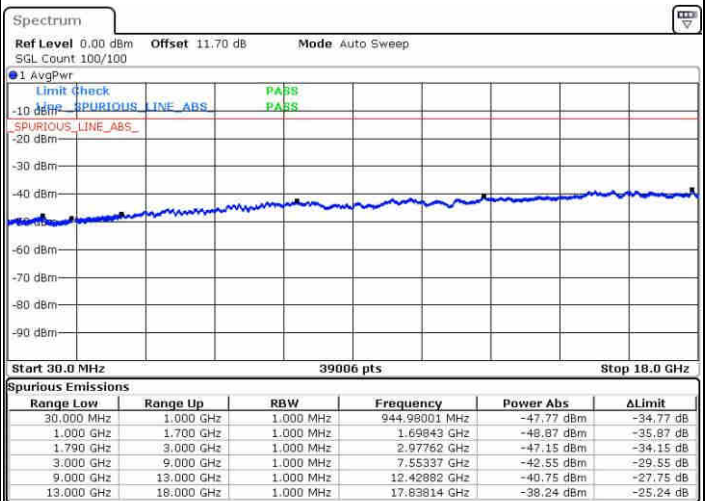
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 27 APR 2019 02:39:44

Lowest Channel / 16QAM



Date: 27 APR 2019 02:40:26