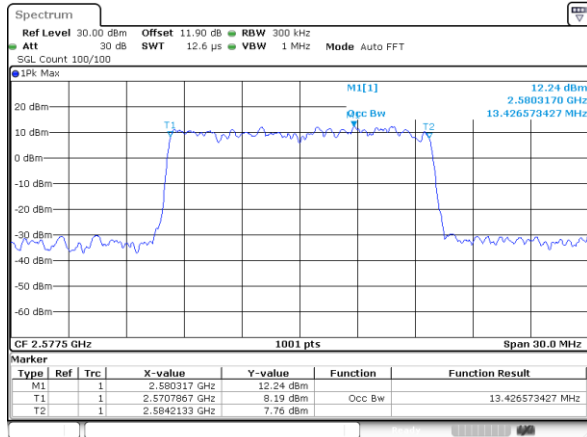


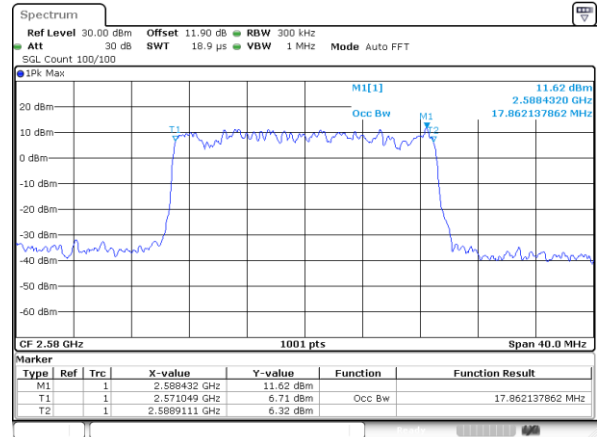


LTE Band 38

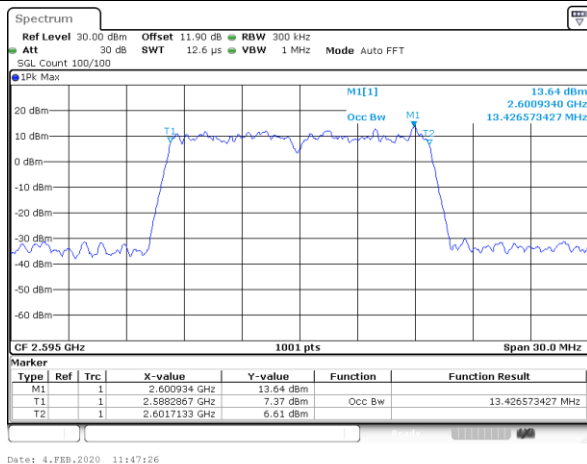
Lowest Channel / 15MHz / 64QAM



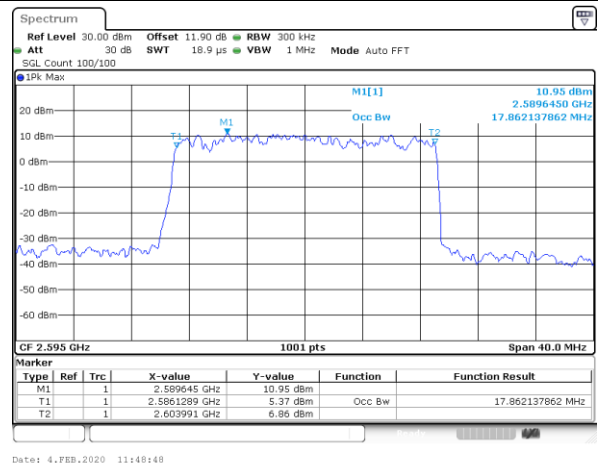
Lowest Channel / 20MHz / 64QAM



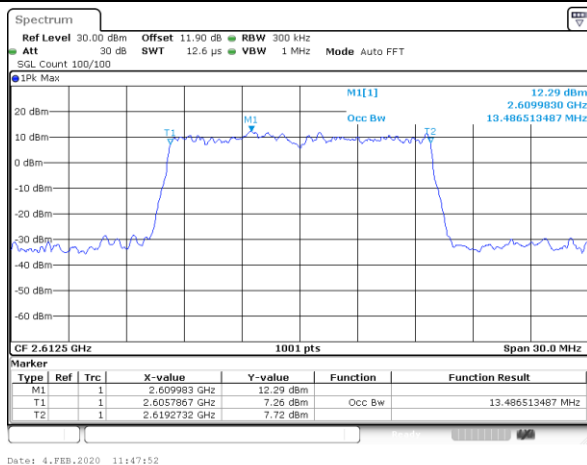
Middle Channel / 15MHz / 64QAM



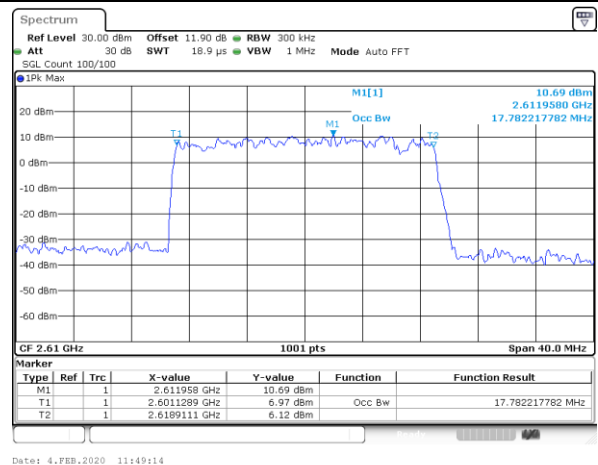
Middle Channel / 20MHz / 64QAM

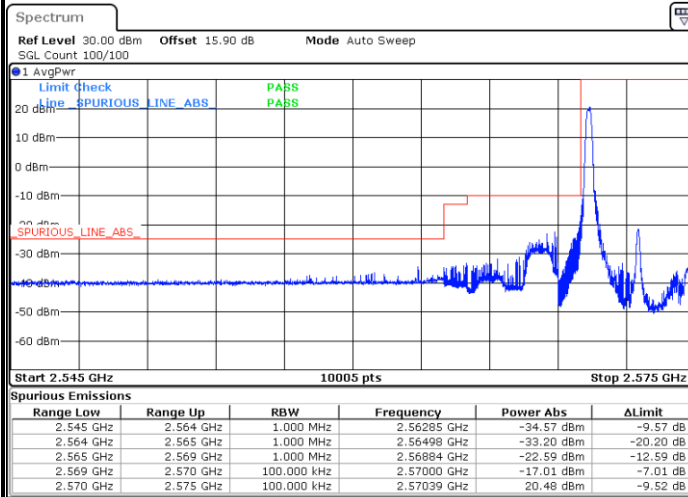
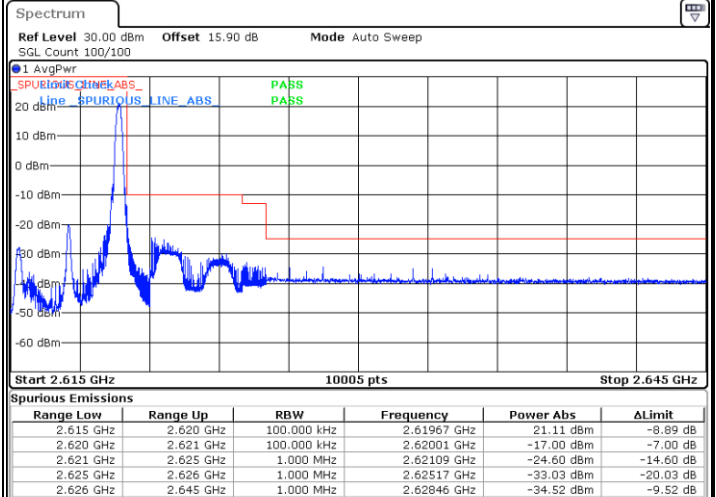
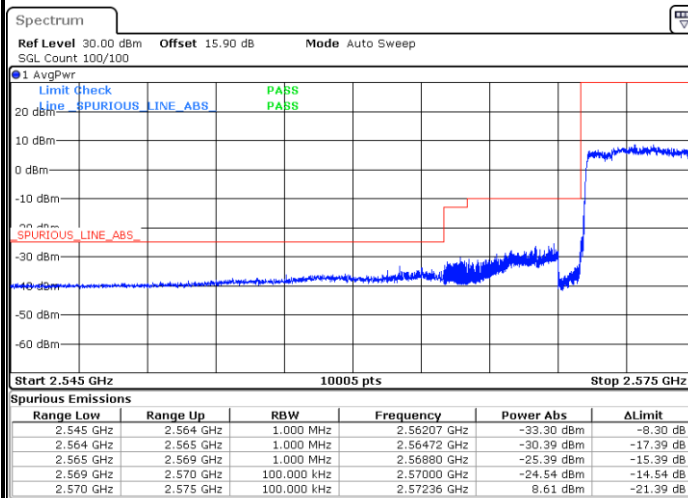
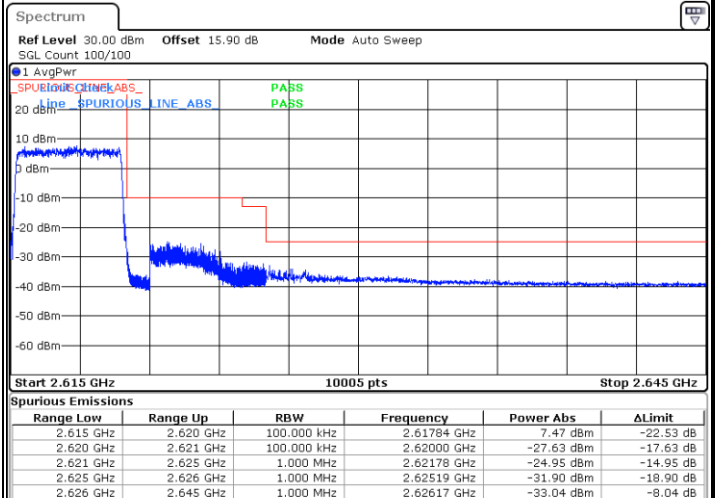


Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM

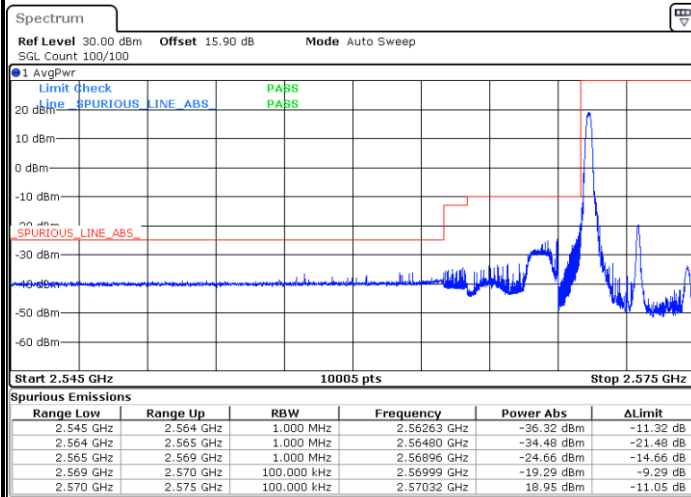


**Conducted Band Edge****LTE Band 38 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

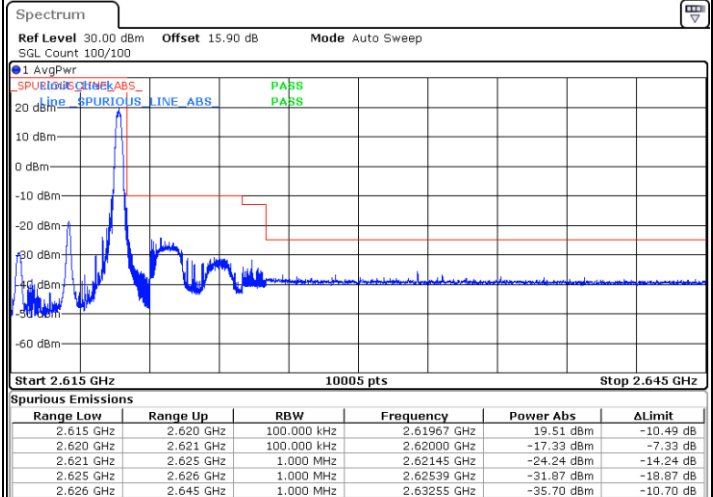


LTE Band 38 / 5MHz / 16QAM

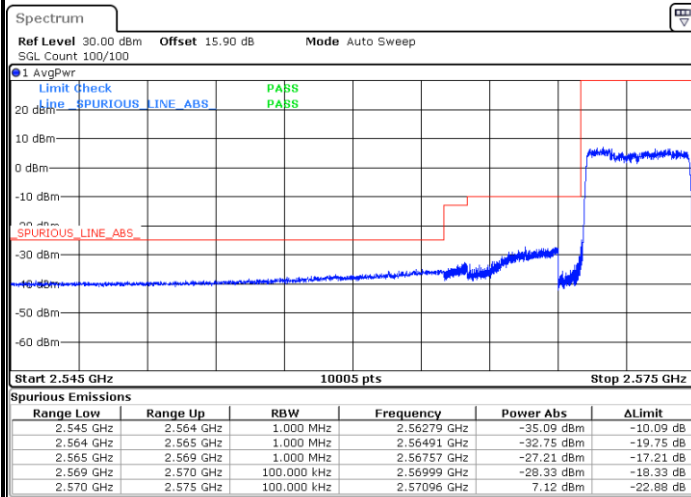
Lowest Band Edge / 1RB



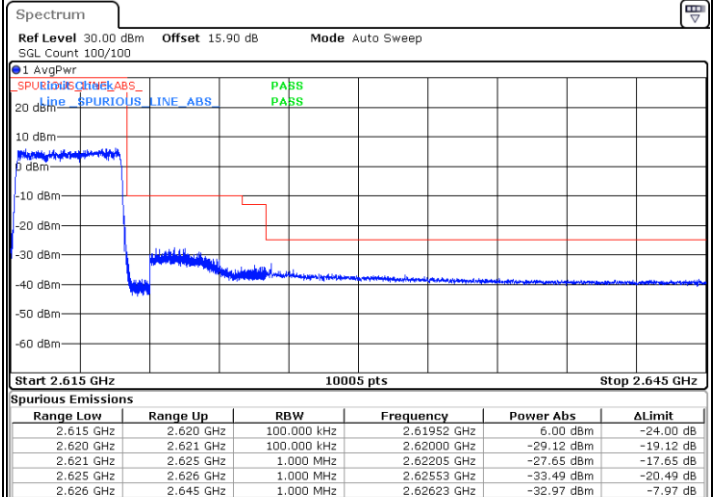
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



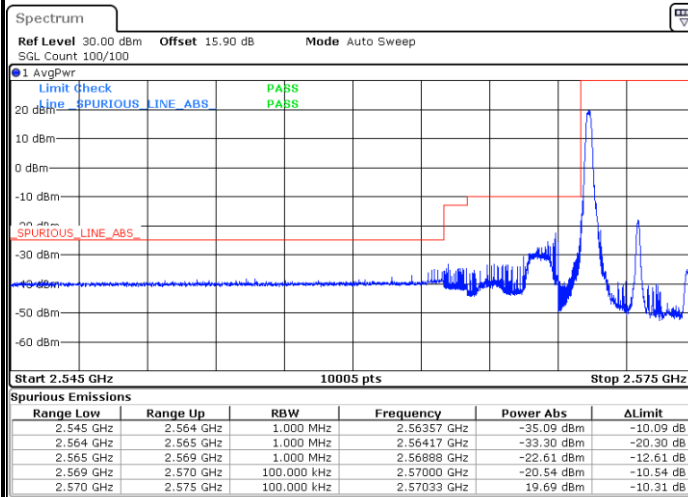
Highest Band Edge / Full RB



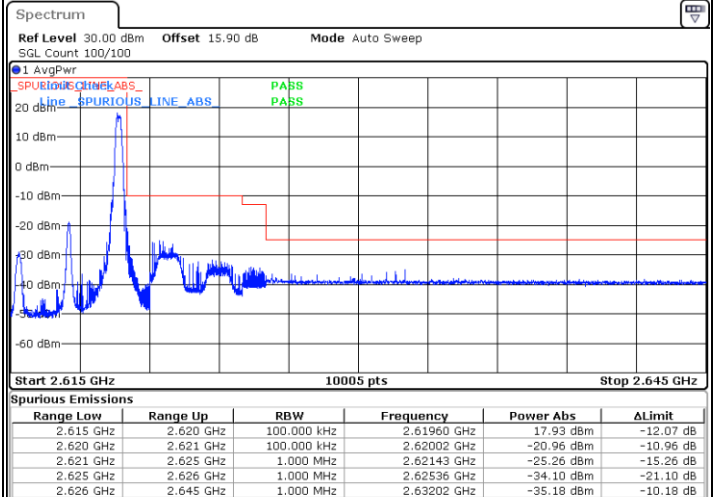


LTE Band 38 / 5MHz / 64QAM

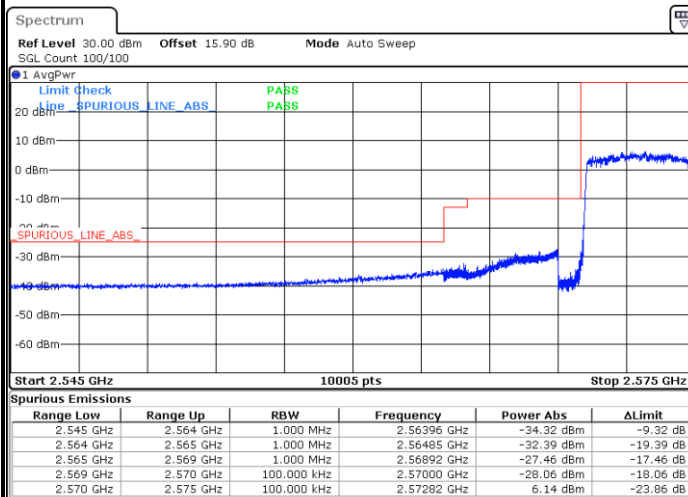
Lowest Band Edge / 1RB



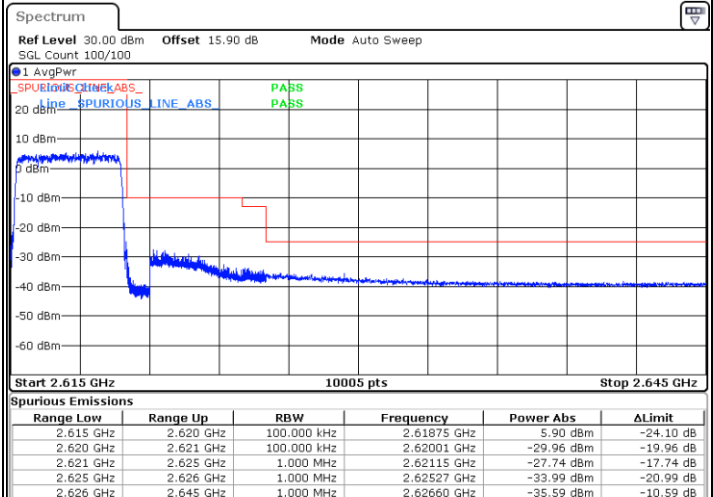
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



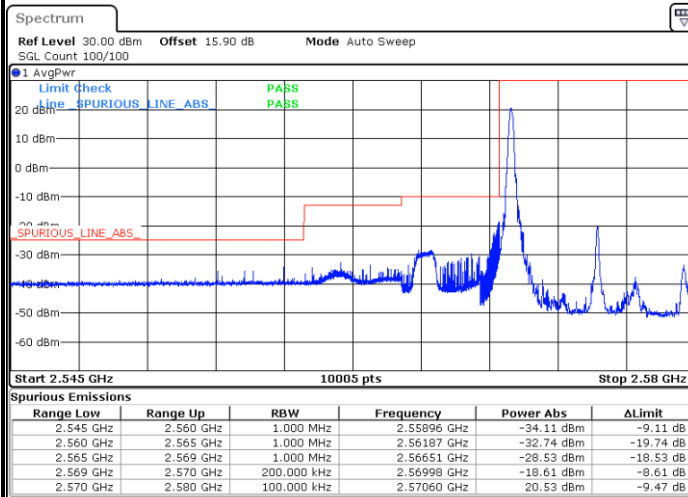
Highest Band Edge / Full RB



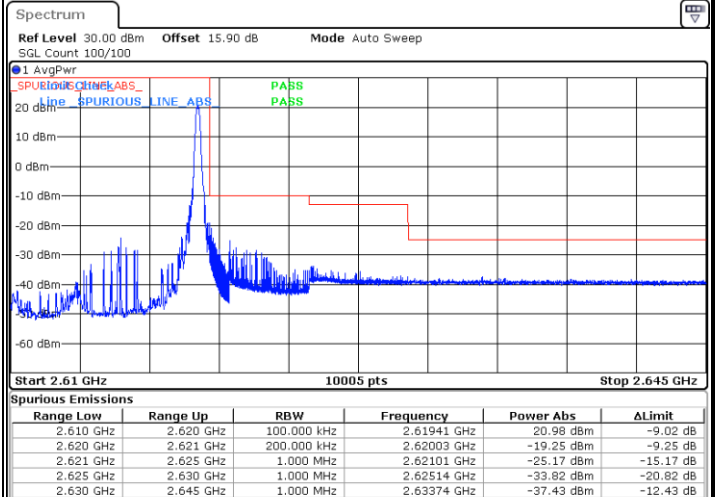


LTE Band 38 / 10MHz / QPSK

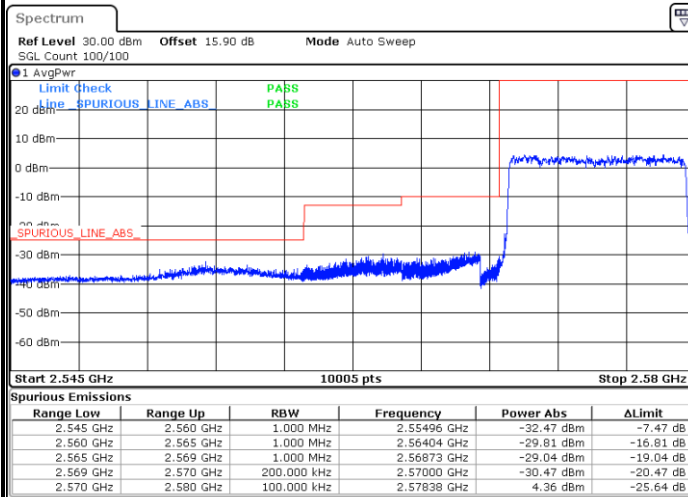
Lowest Band Edge / 1 RB



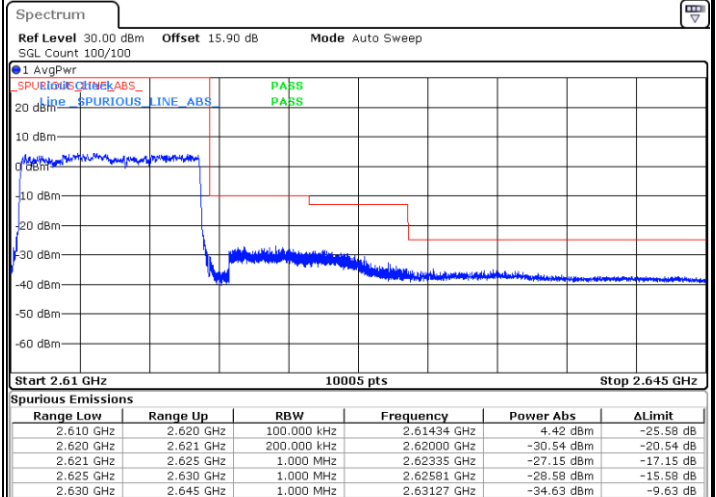
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



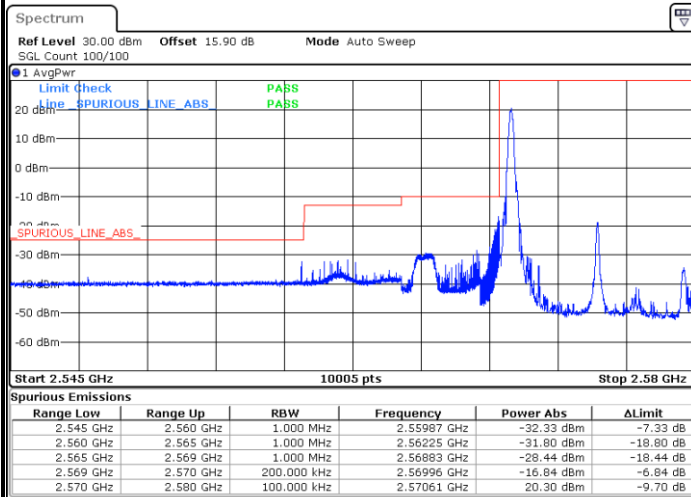
Highest Band Edge / Full RB



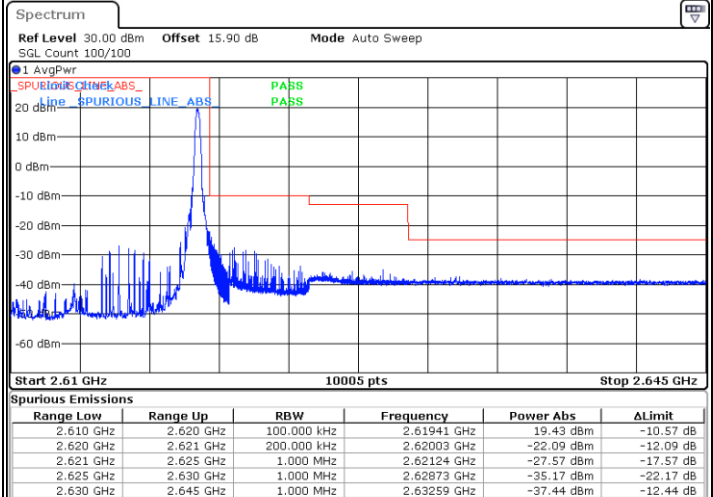


LTE Band 38 / 10MHz / 16QAM

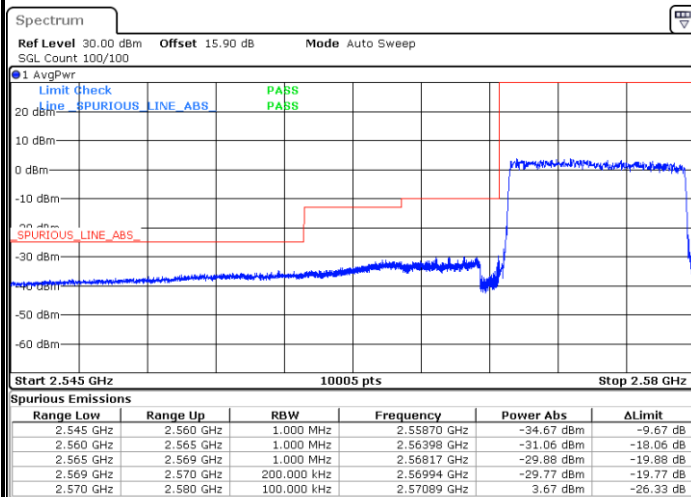
Lowest Band Edge / 1 RB



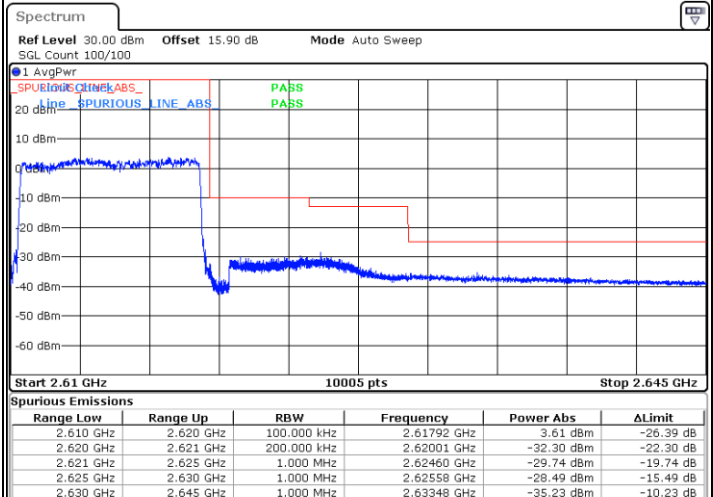
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



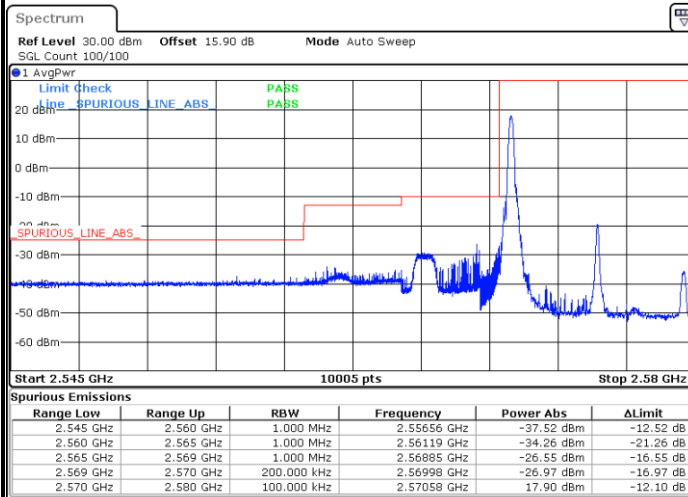
Highest Band Edge / Full RB



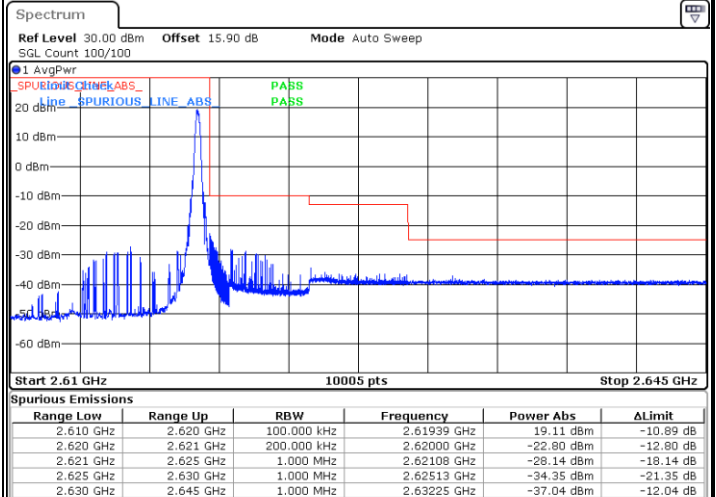


LTE Band 38 / 10MHz / 64QAM

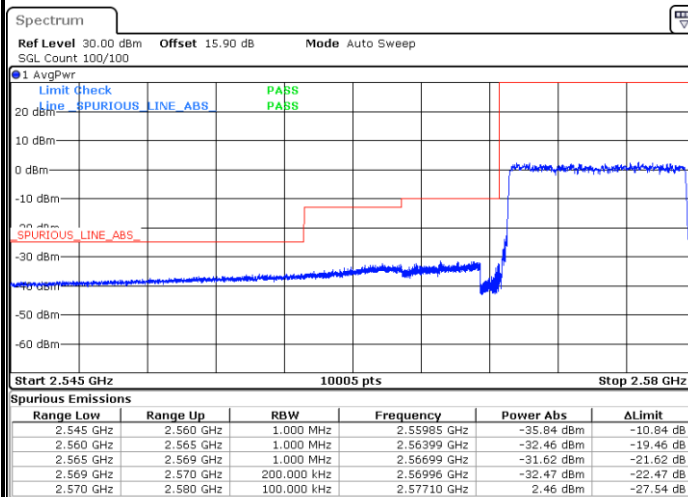
Lowest Band Edge / 1 RB



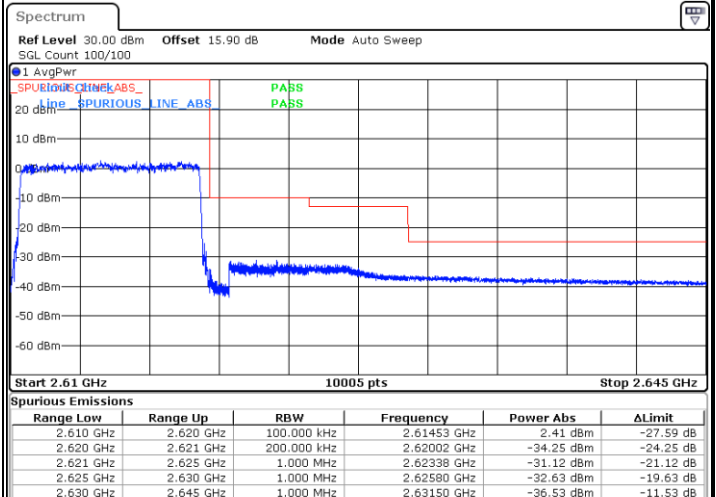
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



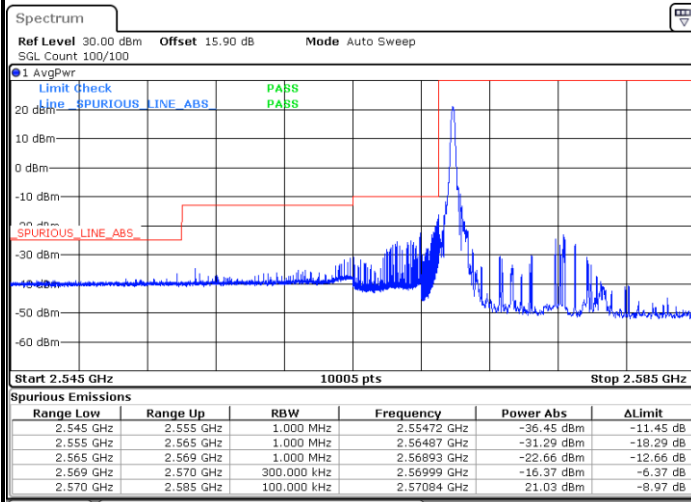
Highest Band Edge / Full RB



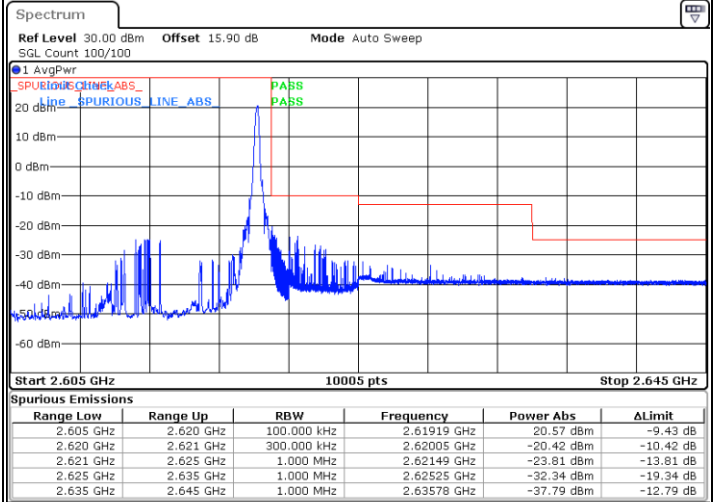


LTE Band 38 / 15MHz / QPSK

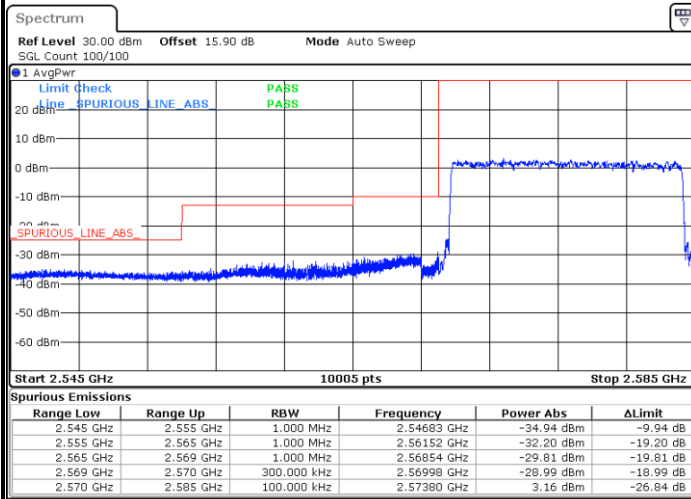
Lowest Band Edge / 1 RB



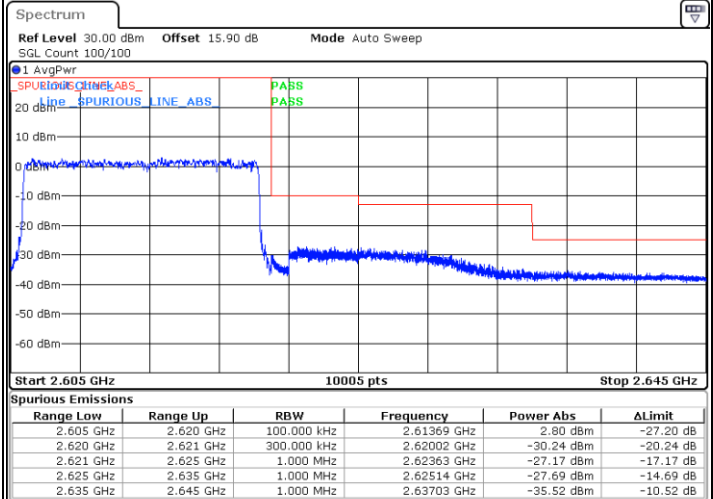
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



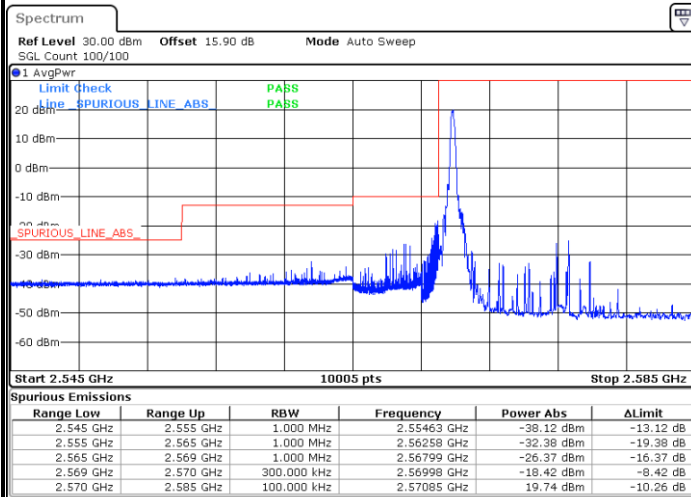
Highest Band Edge / Full RB



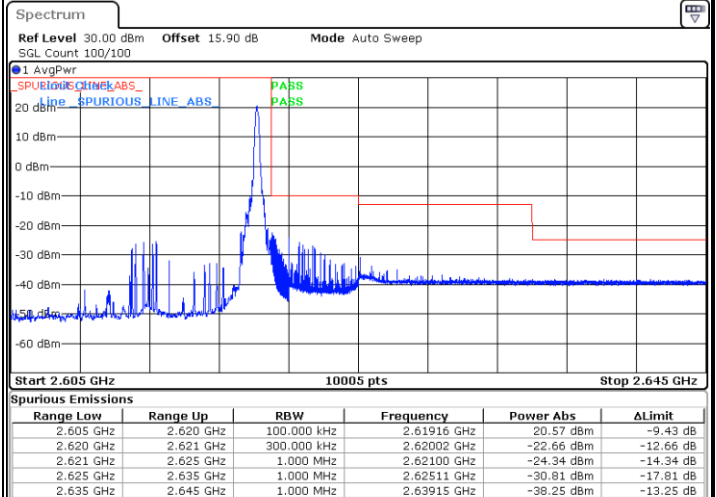


LTE Band 38 / 15MHz / 16QAM

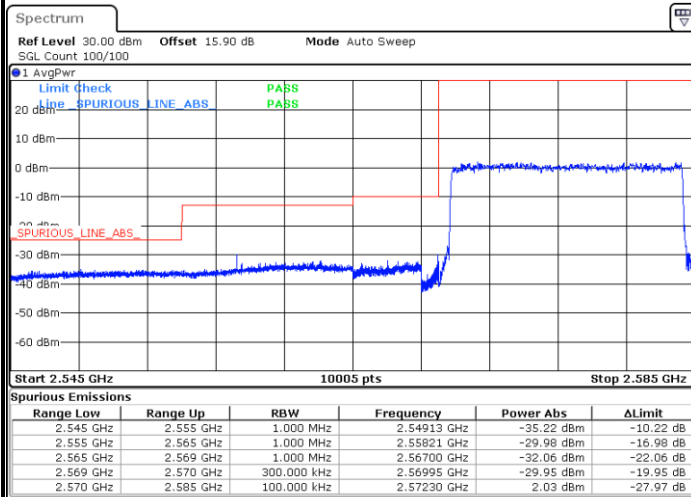
Lowest Band Edge / 1 RB



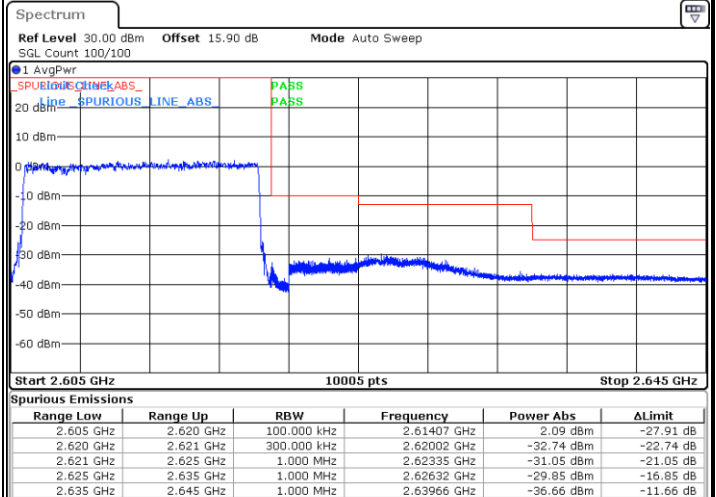
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



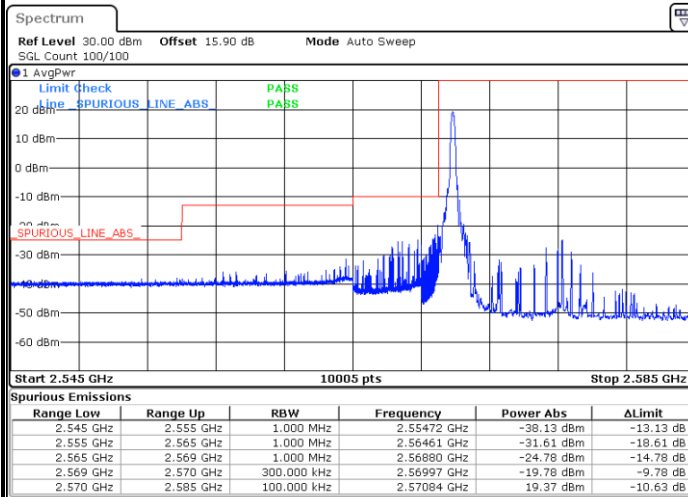
Highest Band Edge / Full RB



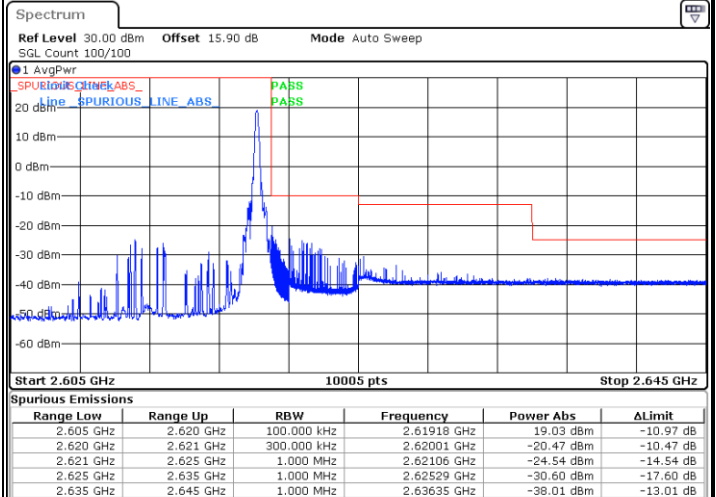


LTE Band 38 / 15MHz / 64QAM

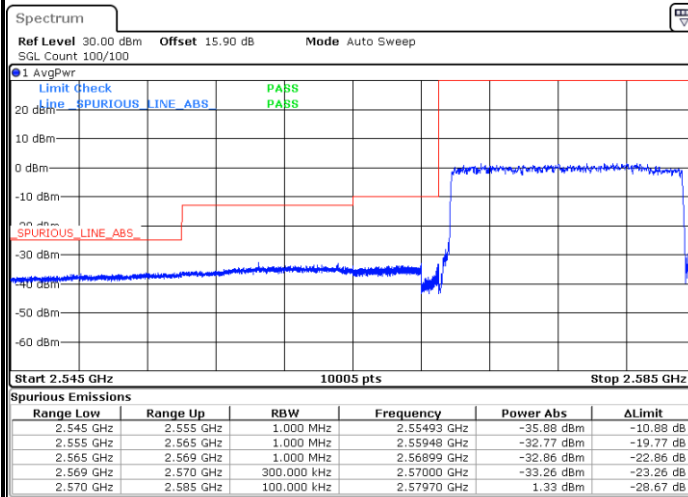
Lowest Band Edge / 1 RB



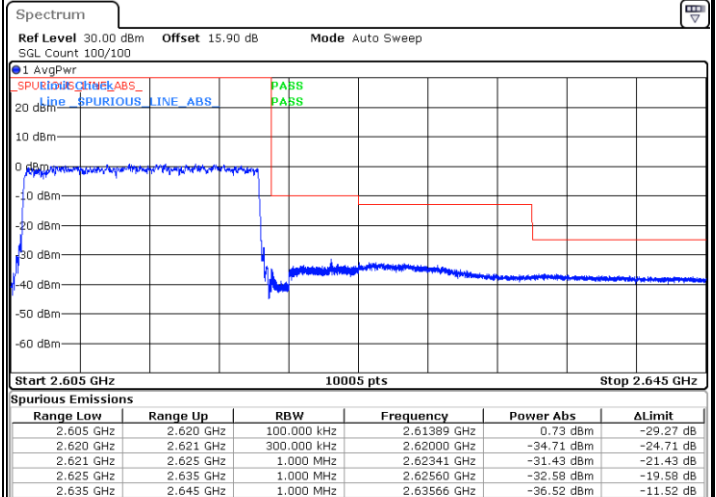
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



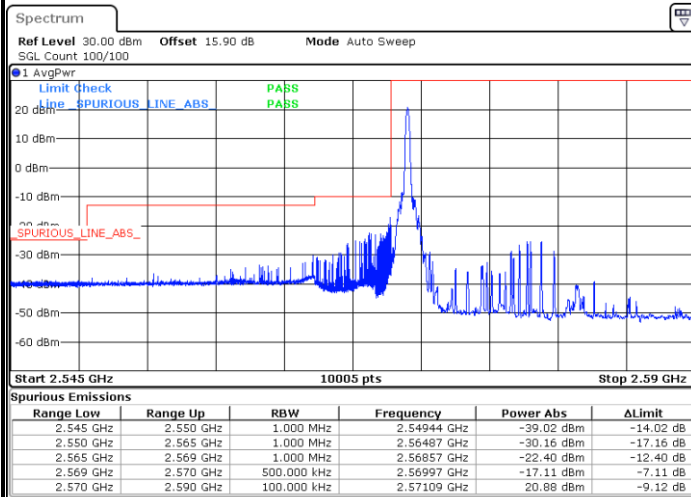
Highest Band Edge / Full RB



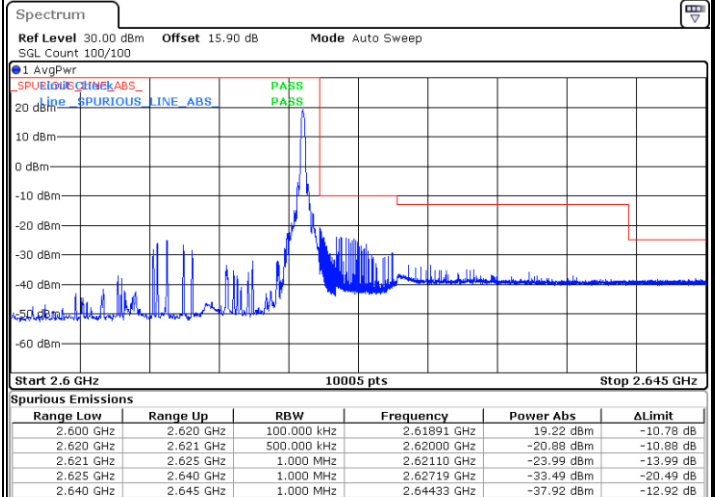


LTE Band 38 / 20MHz / QPSK

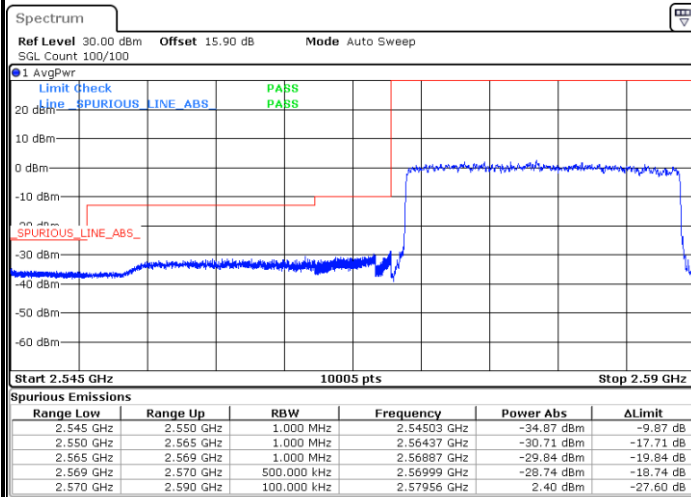
Lowest Band Edge / 1 RB



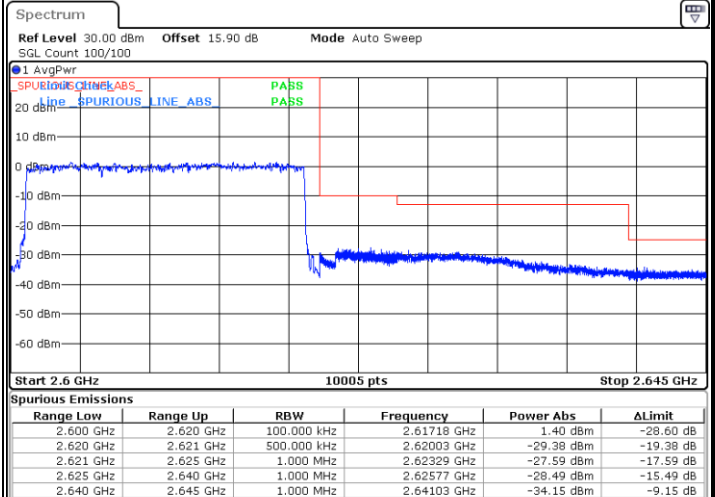
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



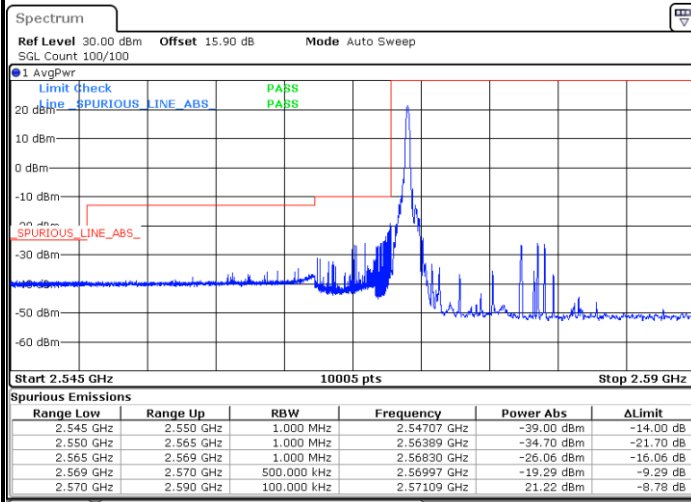
Highest Band Edge / Full RB



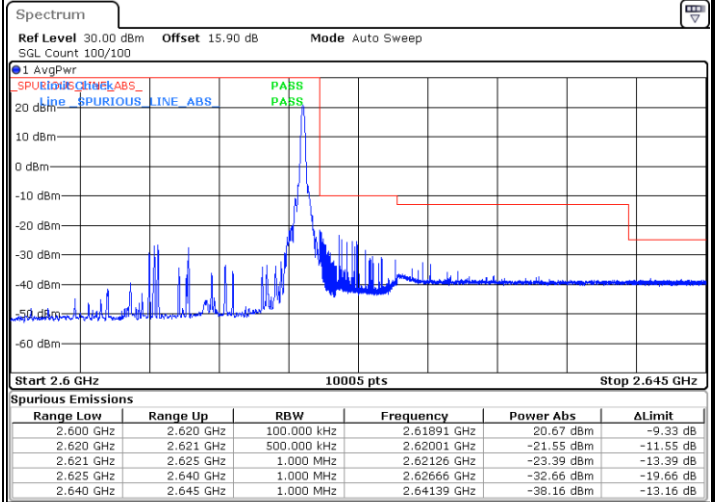


LTE Band 38 / 20MHz / 16QAM

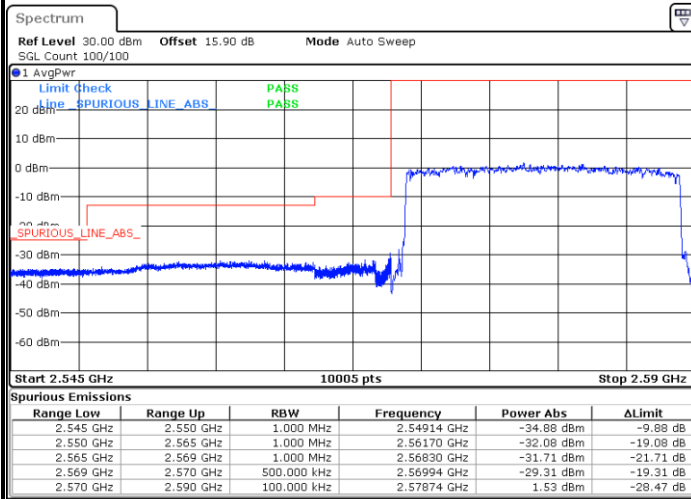
Lowest Band Edge / 1 RB



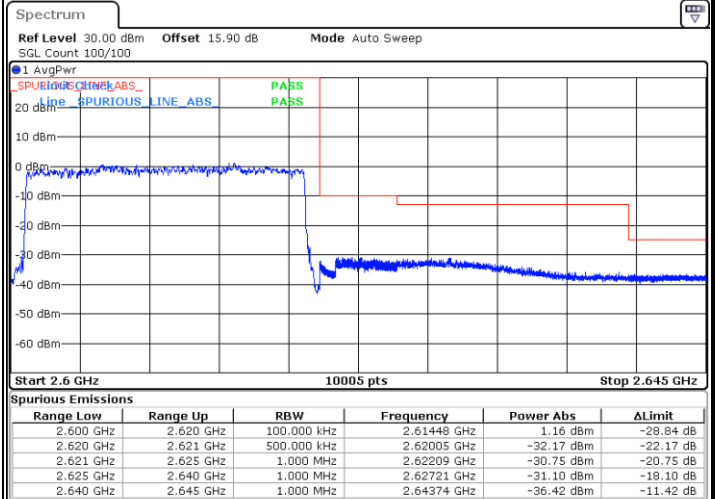
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



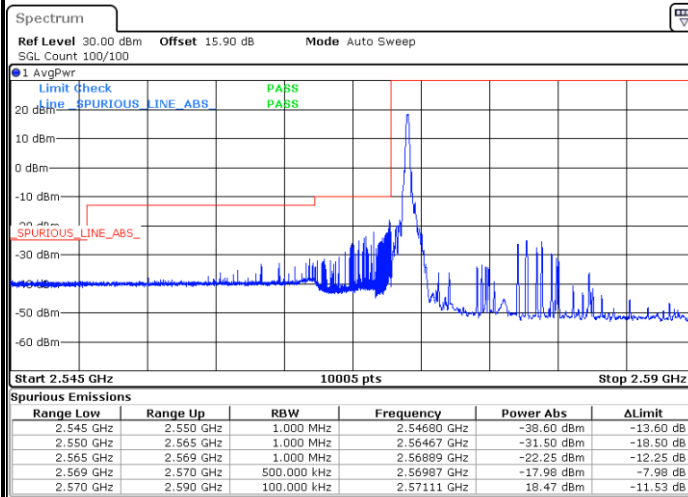
Highest Band Edge / Full RB



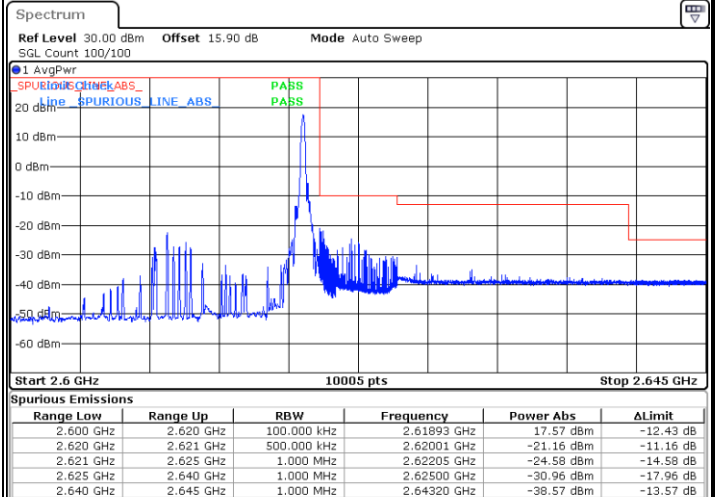


LTE Band 38 / 20MHz / 64QAM

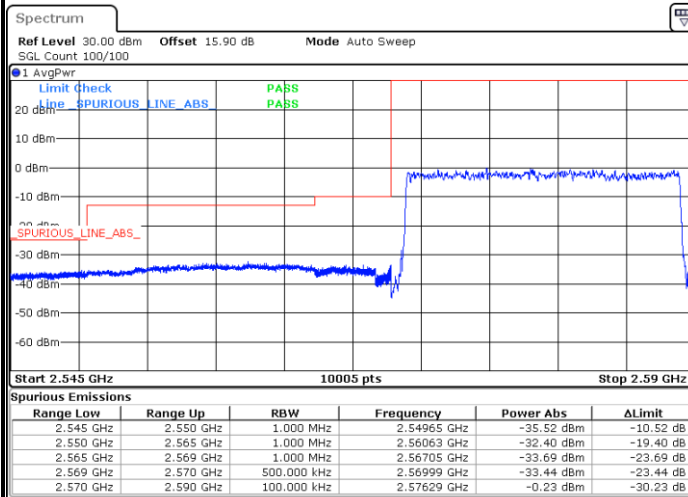
Lowest Band Edge / 1 RB



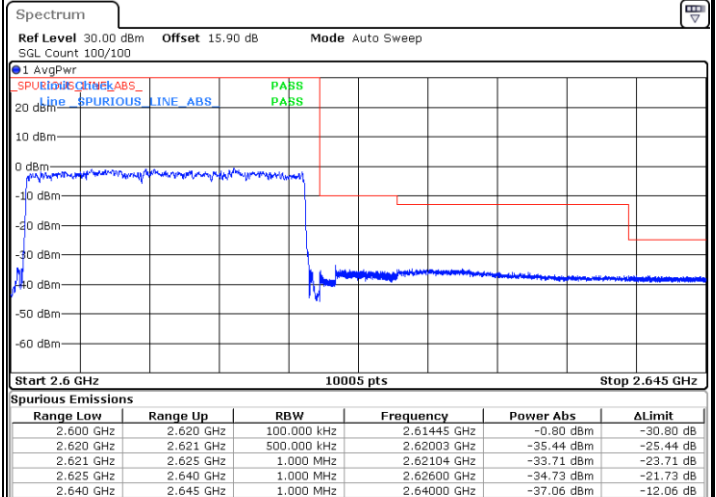
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

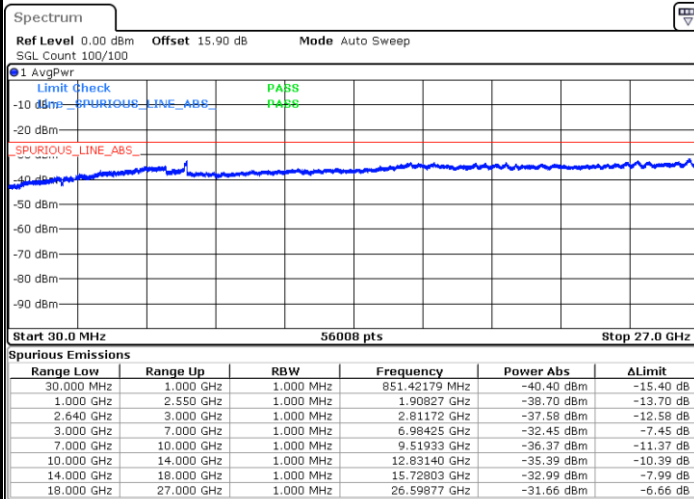




Conducted Spurious Emission

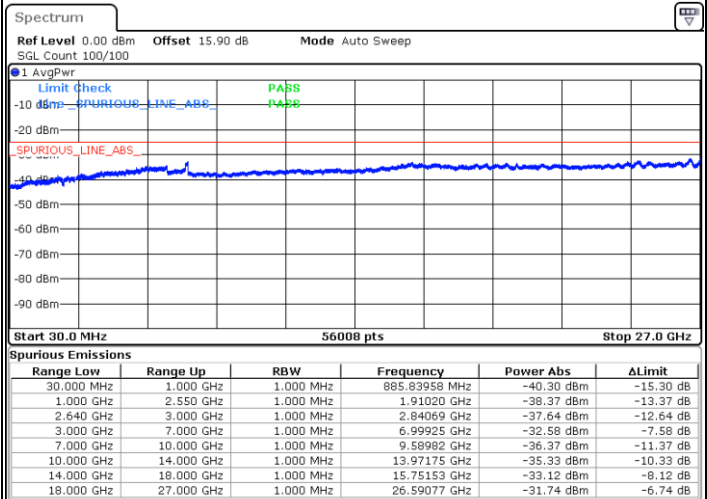
LTE Band 38 / 5MHz

Lowest Channel / QPSK



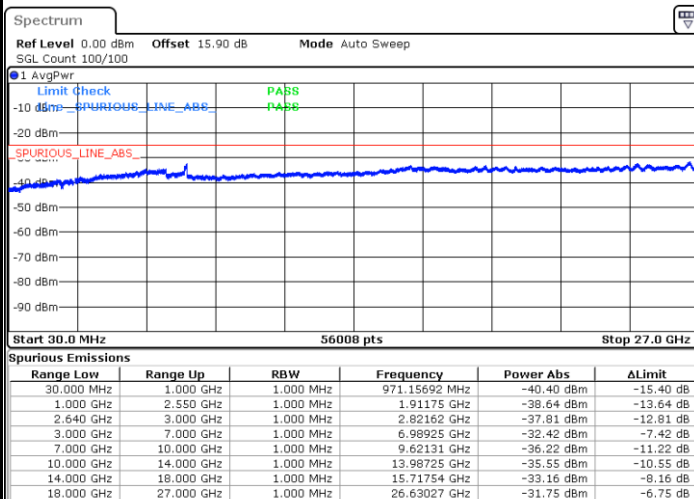
Date: 4.FEB.2020 10:24:19

Lowest Channel / 16QAM



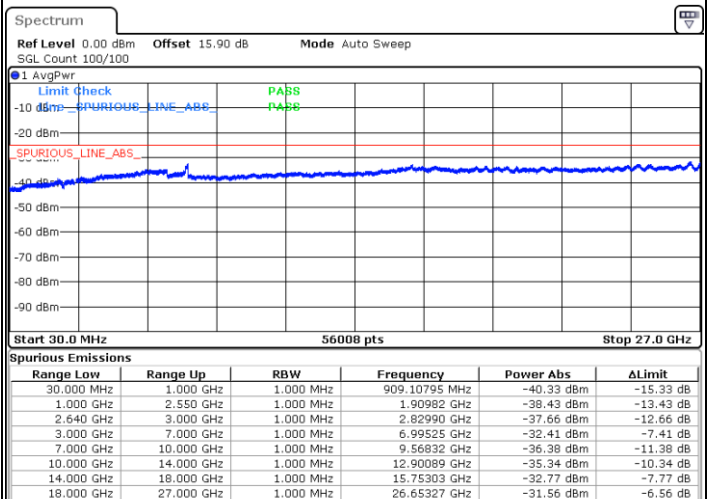
Date: 4.FEB.2020 10:25:15

Middle Channel / QPSK



Date: 4.FEB.2020 10:26:10

Middle Channel / 16QAM

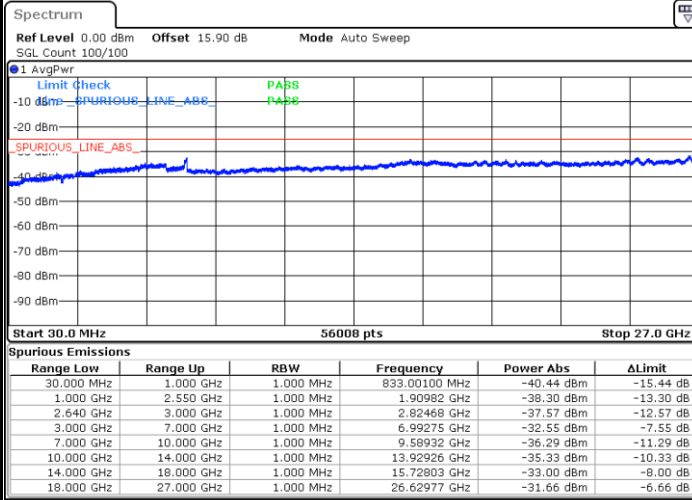


Date: 4.FEB.2020 10:27:05



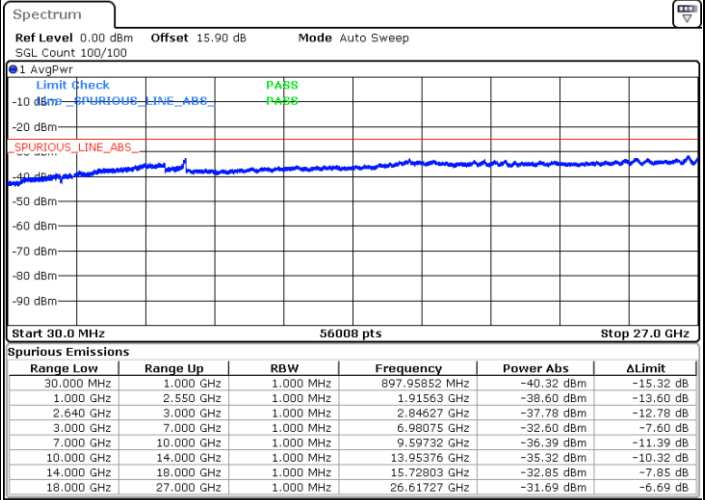
LTE Band 38 / 5MHz

Highest Channel / QPSK



Date: 4.FEB.2020 10:28:01

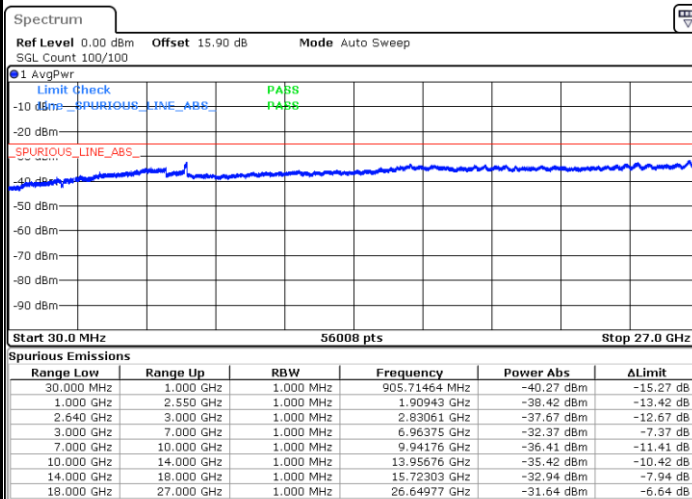
Highest Channel / 16QAM



Date: 4.FEB.2020 10:28:56

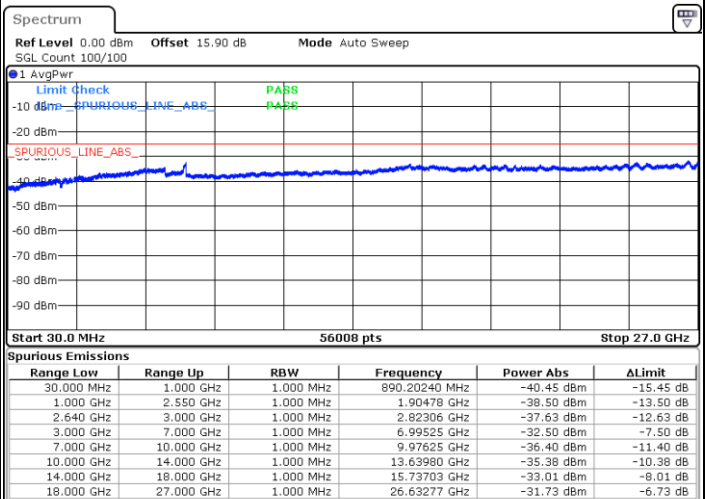
LTE Band 38 / 10MHz

Lowest Channel / QPSK



Date: 4.FEB.2020 10:32:39

Lowest Channel / 16QAM

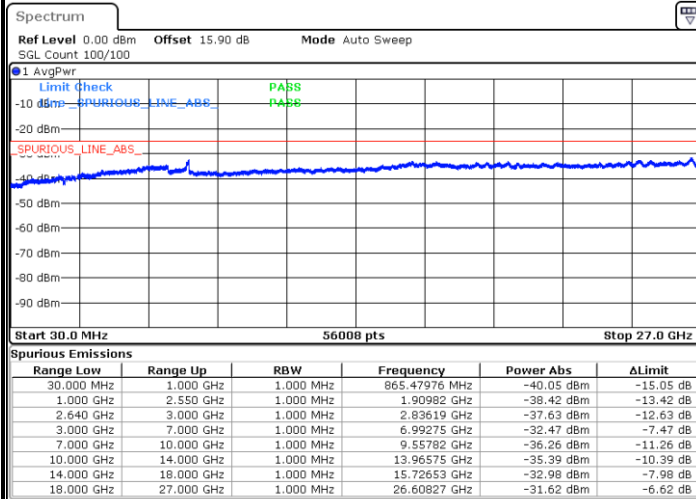


Date: 4.FEB.2020 10:33:34



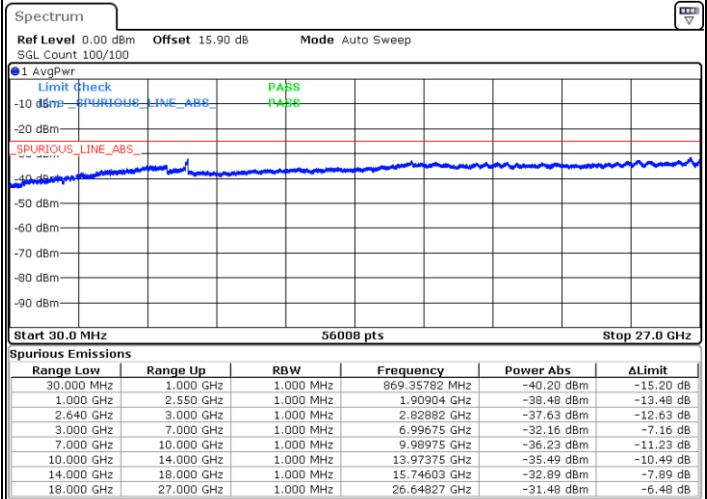
LTE Band 38 / 10MHz

Middle Channel / QPSK



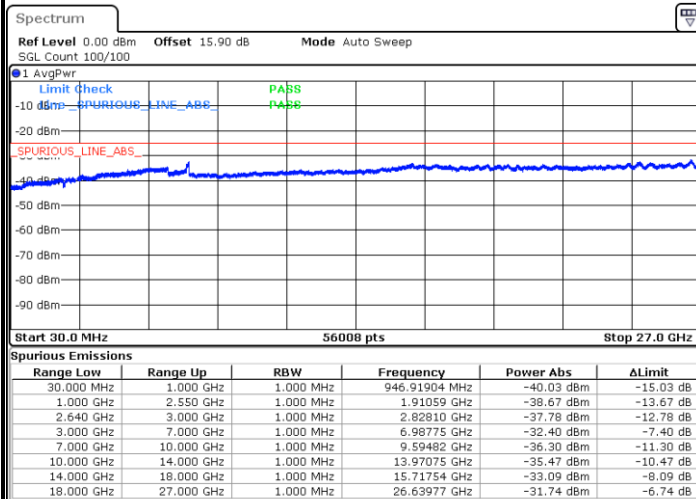
Date: 4.FEB.2020 10:34:30

Middle Channel / 16QAM



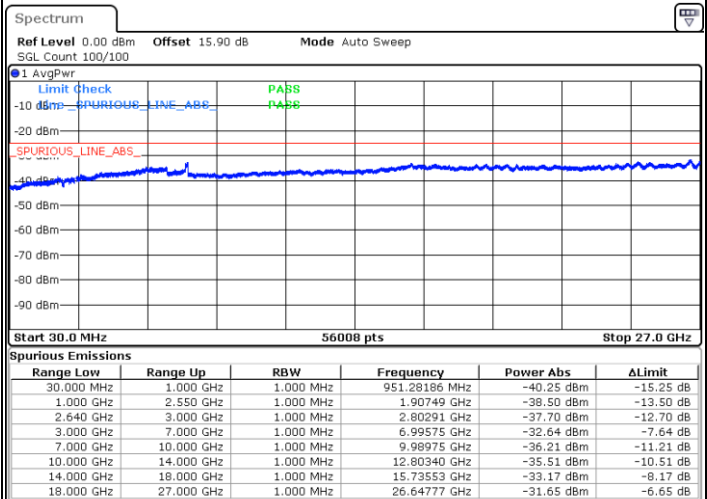
Date: 4.FEB.2020 10:35:24

Highest Channel / QPSK



Date: 4.FEB.2020 10:36:20

Highest Channel / 16QAM

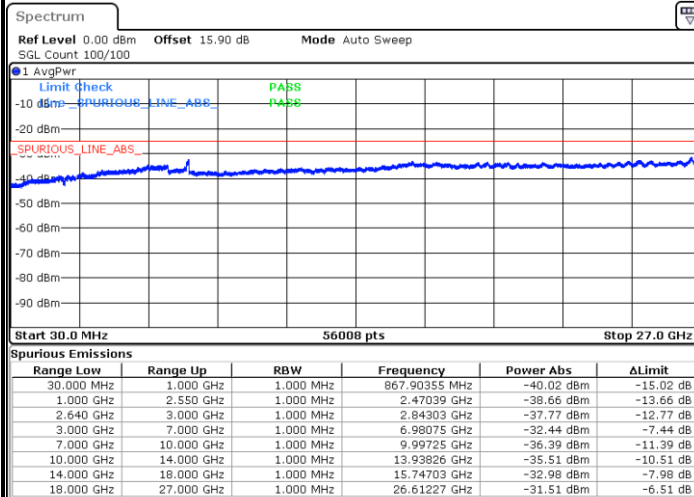


Date: 4.FEB.2020 10:37:15



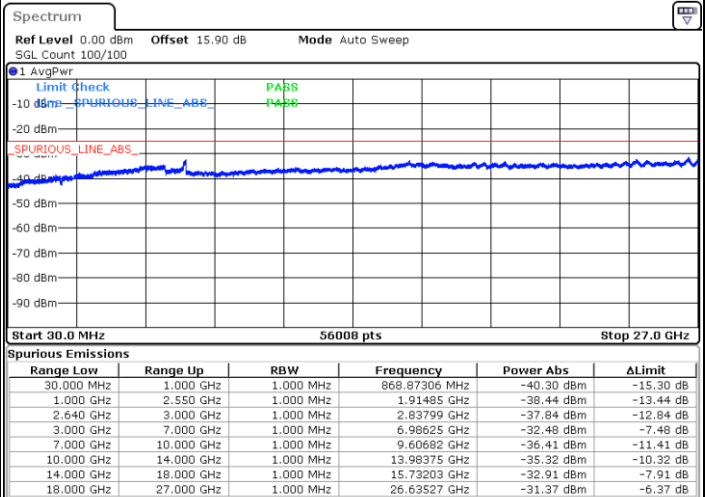
LTE Band 38 / 15MHz

Lowest Channel / QPSK



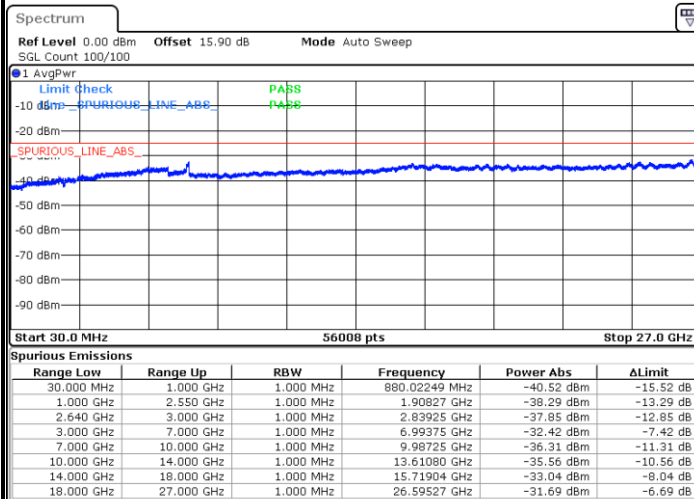
Date: 4.FEB.2020 10:38:12

Lowest Channel / 16QAM



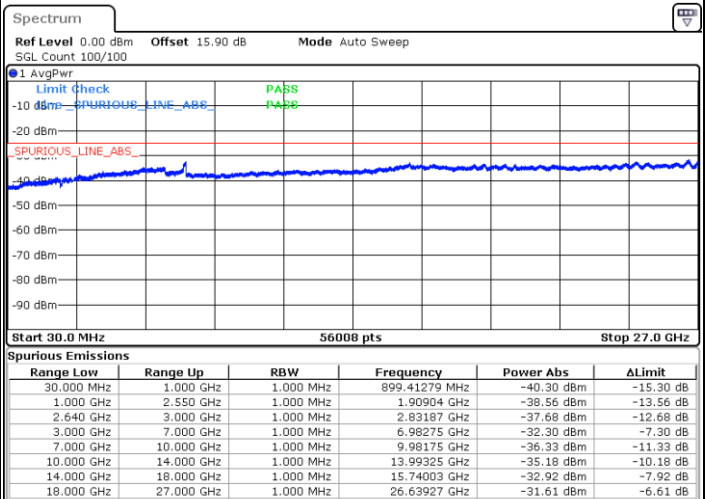
Date: 4.FEB.2020 10:39:07

Middle Channel / QPSK



Date: 4.FEB.2020 10:40:02

Middle Channel / 16QAM

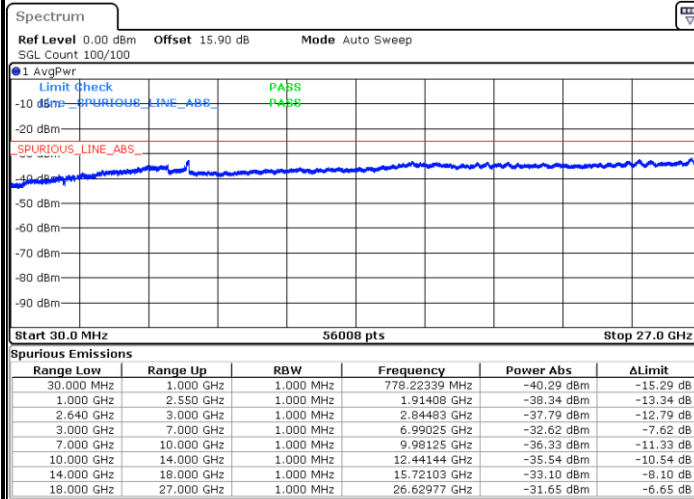


Date: 4.FEB.2020 10:40:57



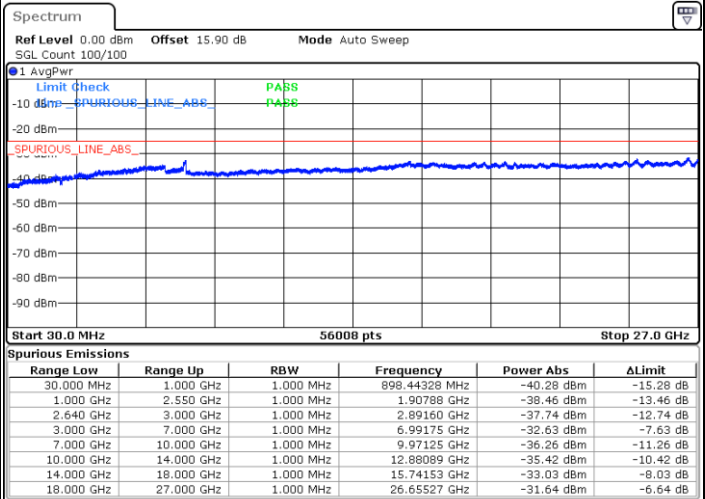
LTE Band 38 / 15MHz

Highest Channel / QPSK



Date: 4.FEB.2020 10:41:52

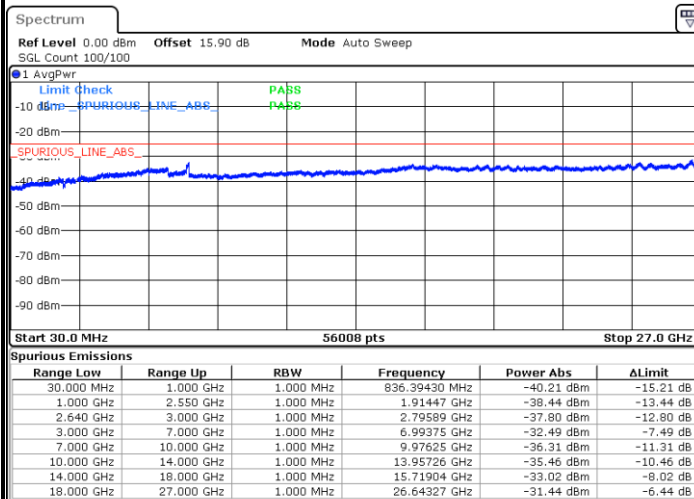
Highest Channel / 16QAM



Date: 4.FEB.2020 10:42:47

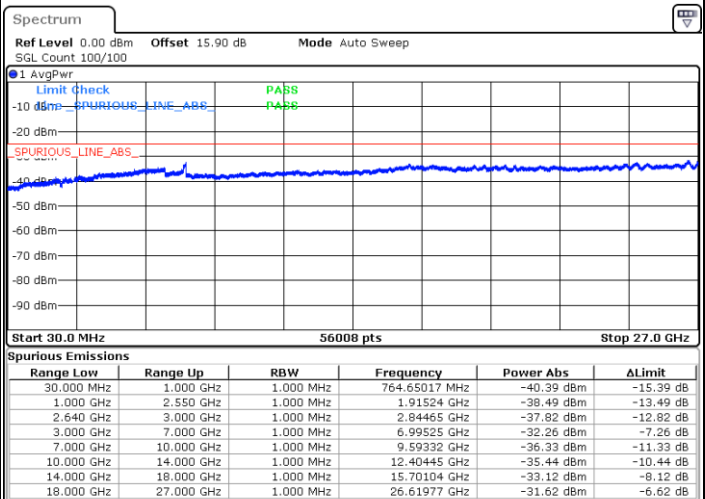
LTE Band 38 / 20MHz

Lowest Channel / QPSK



Date: 4.FEB.2020 10:46:29

Lowest Channel / 16QAM

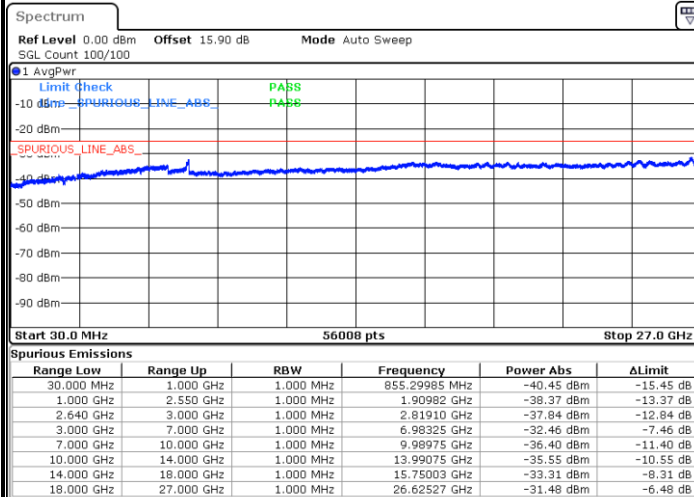


Date: 4.FEB.2020 10:47:25



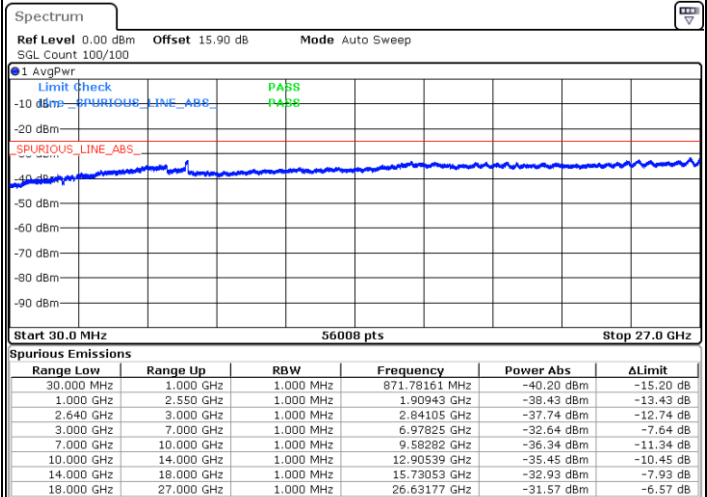
LTE Band 38 / 20MHz

Middle Channel / QPSK



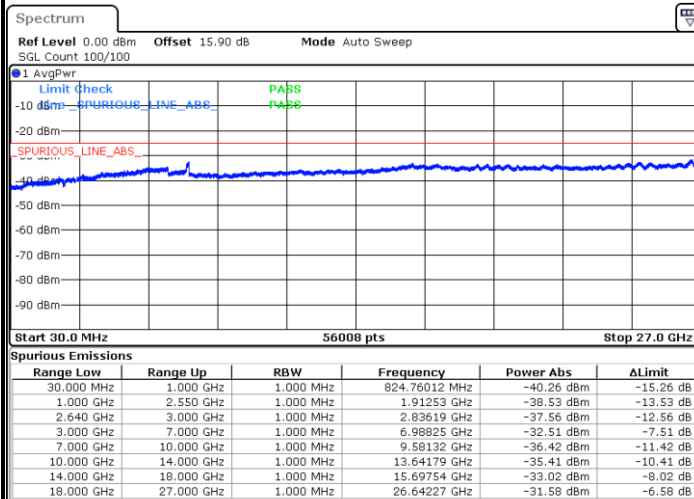
Date: 4.FEB.2020 10:48:20

Middle Channel / 16QAM



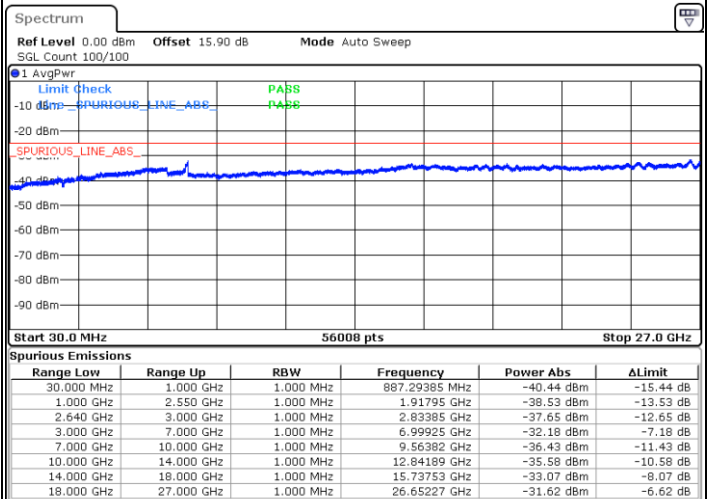
Date: 4.FEB.2020 10:49:15

Highest Channel / QPSK



Date: 4.FEB.2020 10:50:10

Highest Channel / 16QAM

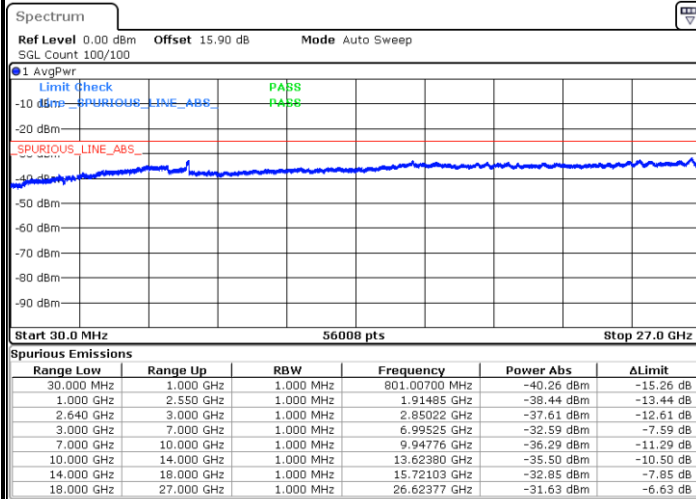


Date: 4.FEB.2020 10:51:06



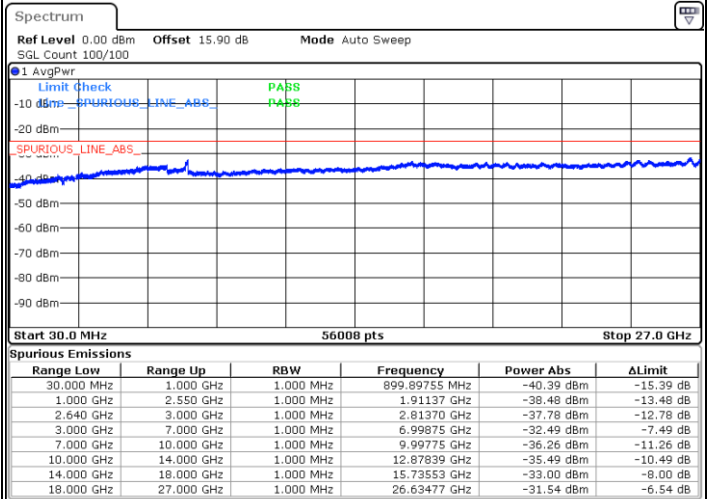
LTE Band 38 / 5MHz

Lowest Channel / 64QAM



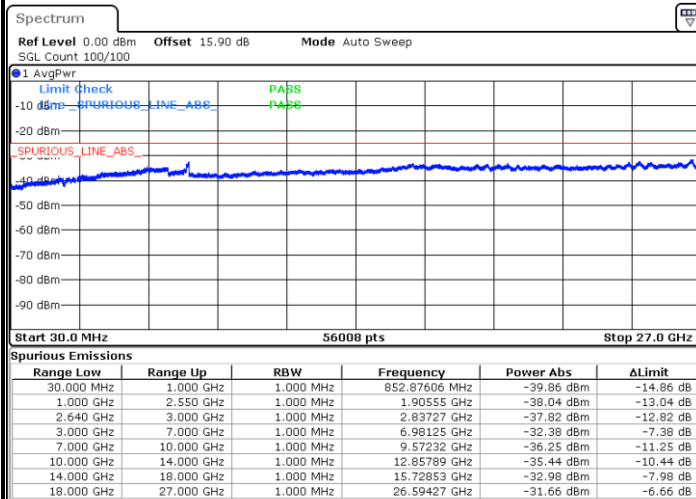
Date: 4.FEB.2020 10:21:33

Middle Channel / 64QAM



Date: 4.FEB.2020 10:22:28

Highest Channel / 64QAM

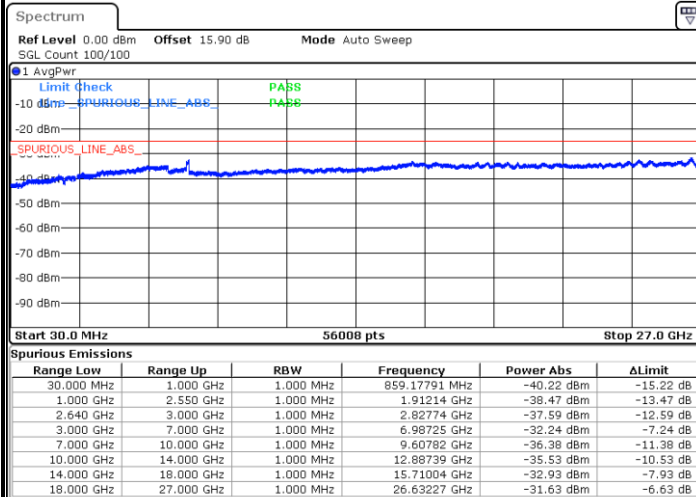


Date: 4.FEB.2020 10:23:24



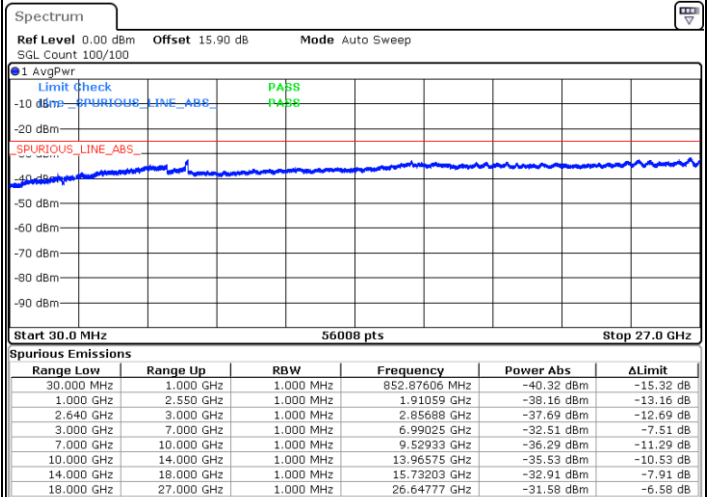
LTE Band 38 / 10MHz

Lowest Channel / 64QAM



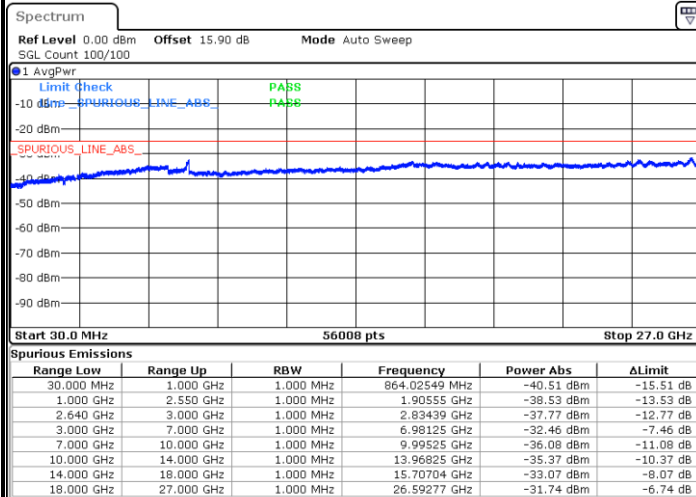
Date: 4.FEB.2020 10:29:53

Middle Channel / 64QAM



Date: 4.FEB.2020 10:30:48

Highest Channel / 64QAM

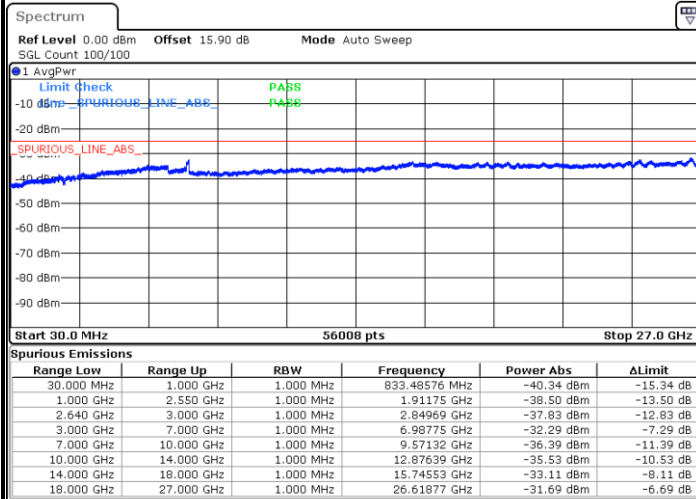


Date: 4.FEB.2020 10:31:43



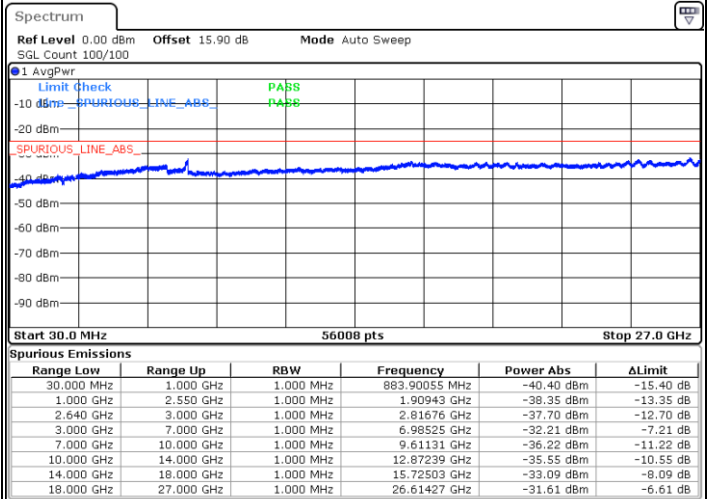
LTE Band 38 / 15MHz

Lowest Channel / 64QAM



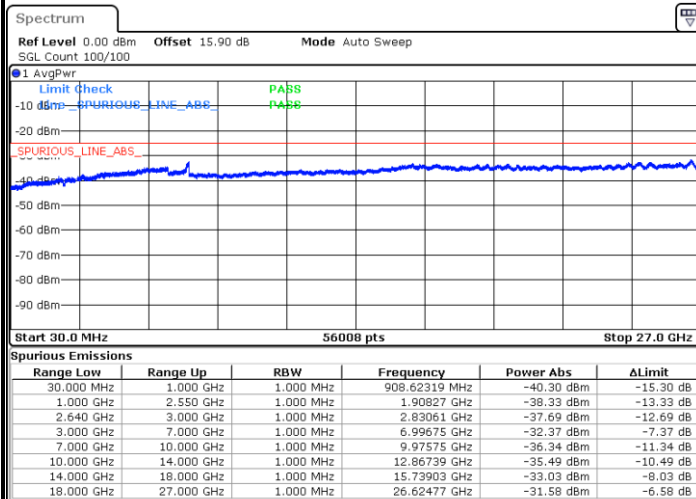
Date: 4.FEB.2020 10:43:43

Middle Channel / 64QAM



Date: 4.FEB.2020 10:44:38

Highest Channel / 64QAM

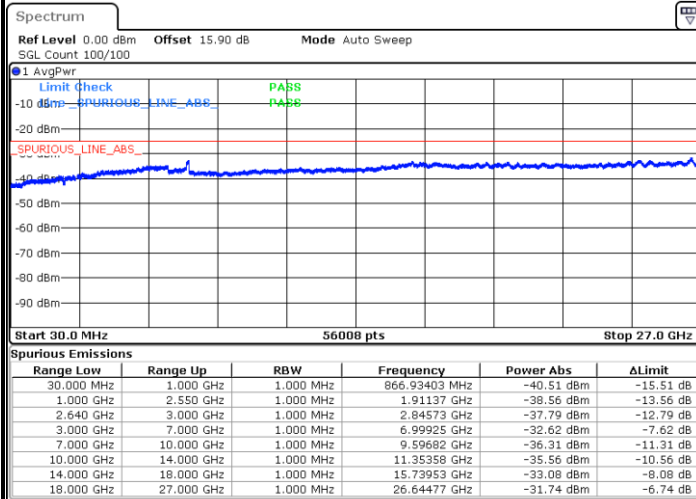


Date: 4.FEB.2020 10:45:33



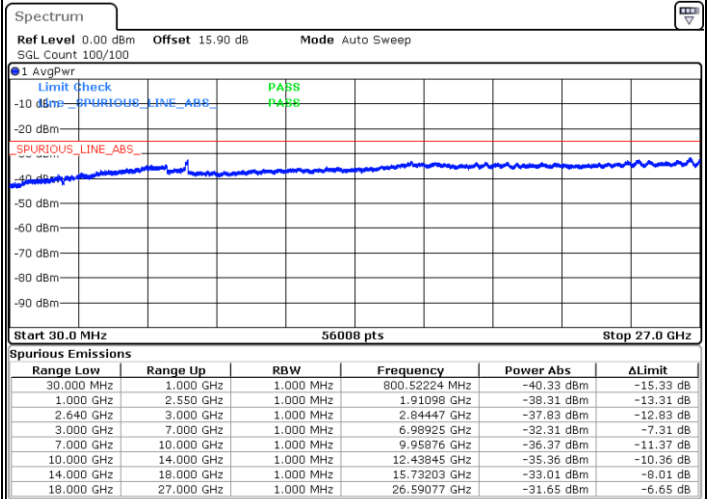
LTE Band 38 / 20MHz

Lowest Channel / 64QAM



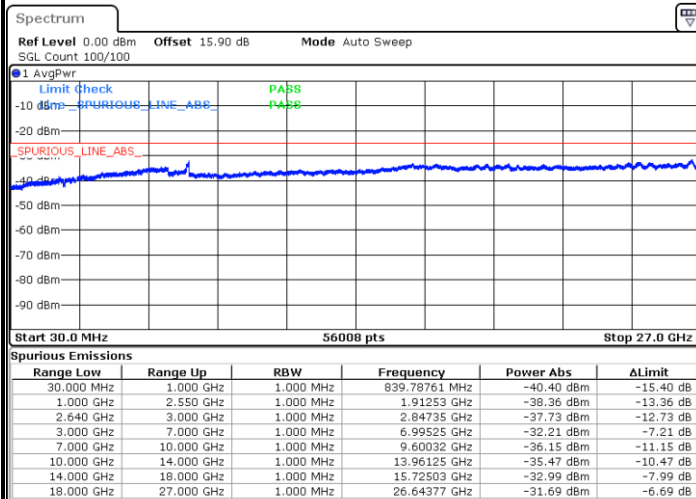
Date: 4.FEB.2020 10:52:01

Middle Channel / 64QAM



Date: 4.FEB.2020 10:52:56

Highest Channel / 64QAM



Date: 4.FEB.2020 10:53:51

Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0053	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0058	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0049	
20	Maximum Voltage	0.0031	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

Note:

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.80	4.75	5.10	5.74	PASS
Middle CH	3.83	5.07	5.62	6.00	
Highest CH	4.00	5.16	5.65	6.03	
Mode	LTE Band 41 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.46	6.32	-	-	PASS
Middle CH	6.52	6.55	-	-	
Highest CH	6.81	6.52	-	-	