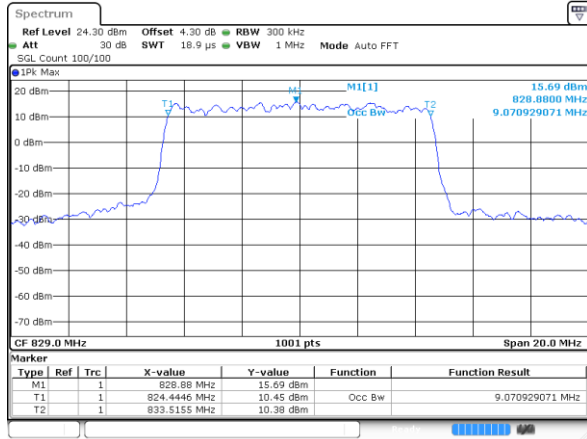




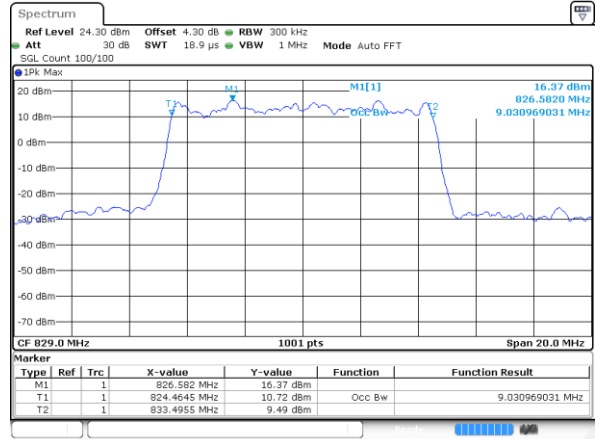
LTE Band 5

Lowest Channel / 10MHz / QPSK



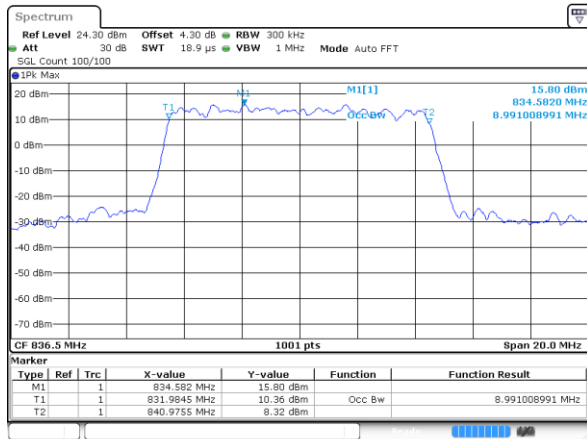
Date: 4 DEC 2019 18:51:09

Lowest Channel / 10MHz / 16QAM



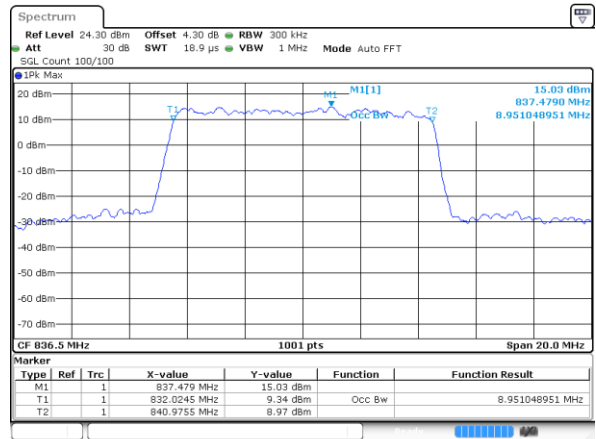
Date: 4 DEC 2019 18:51:19

Middle Channel / 10MHz / QPSK



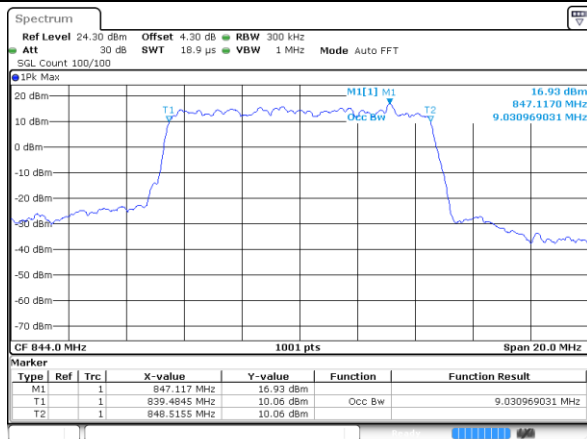
Date: 4 DEC 2019 19:00:09

Middle Channel / 10MHz / 16QAM



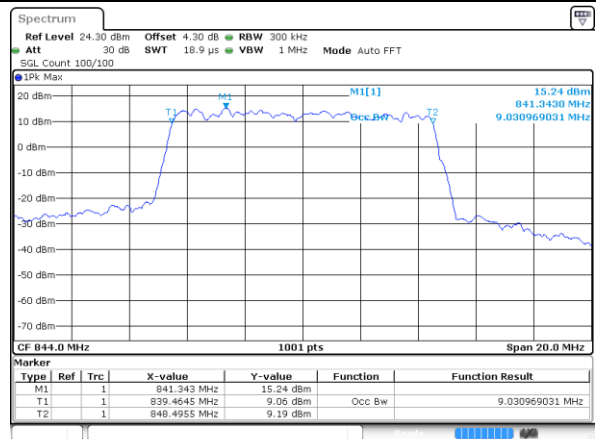
Date: 4 DEC 2019 19:00:19

Highest Channel / 10MHz / QPSK



Date: 4 DEC 2019 19:02:36

Highest Channel / 10MHz / 16QAM

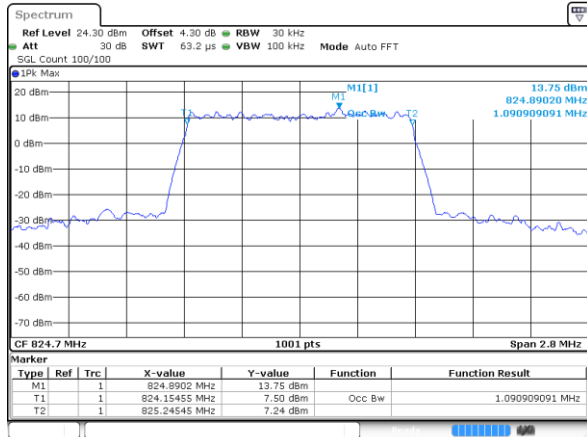


Date: 4 DEC 2019 19:02:46

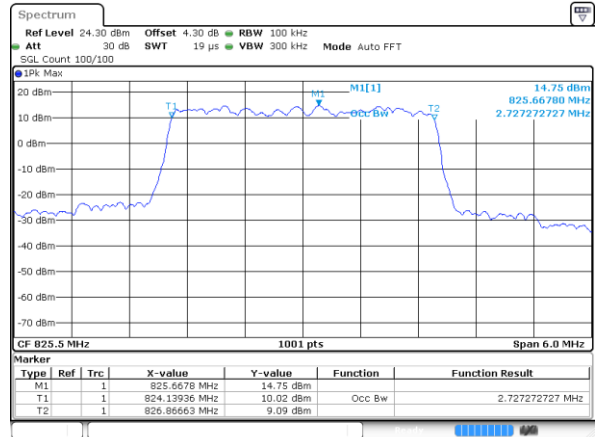


LTE Band 5

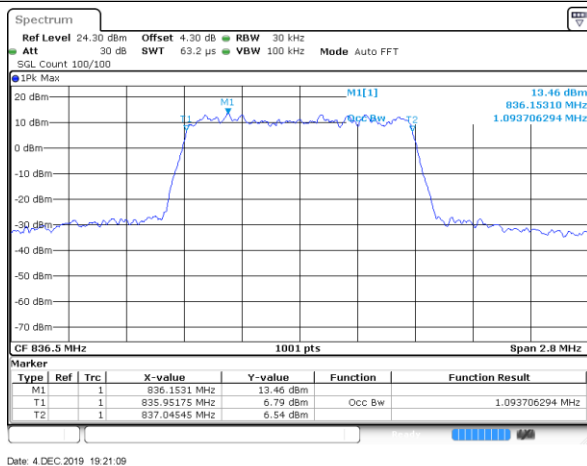
Lowest Channel / 1.4MHz / 64QAM



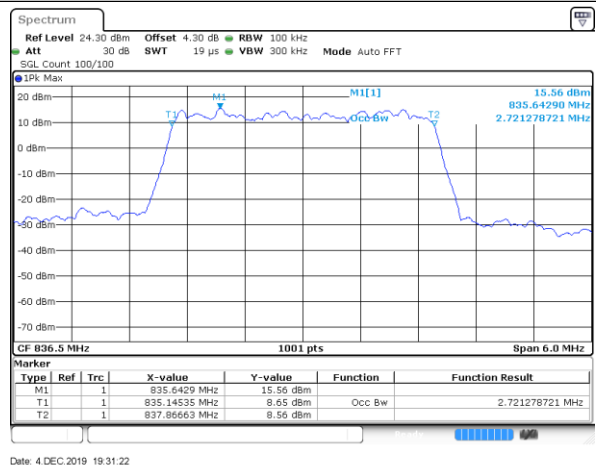
Lowest Channel / 3MHz / 64QAM



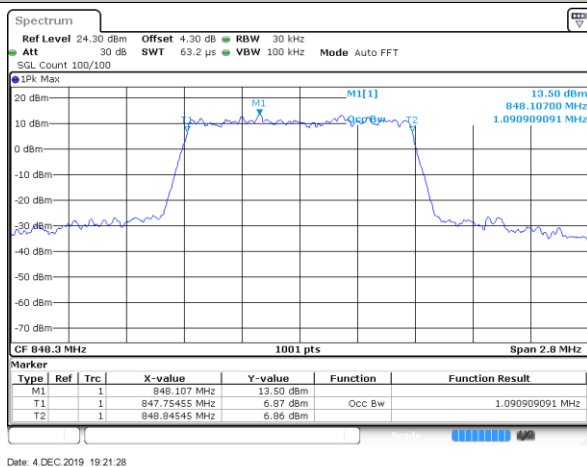
Middle Channel / 1.4MHz / 64QAM



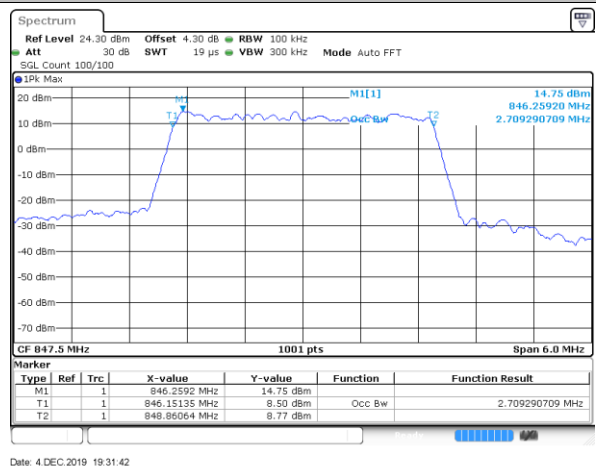
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



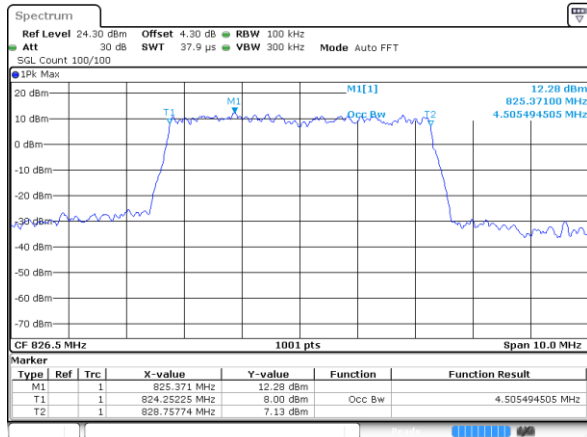
Highest Channel / 3MHz / 64QAM



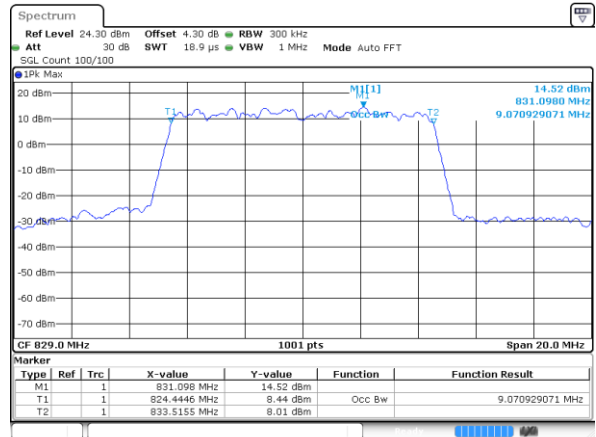


LTE Band 5

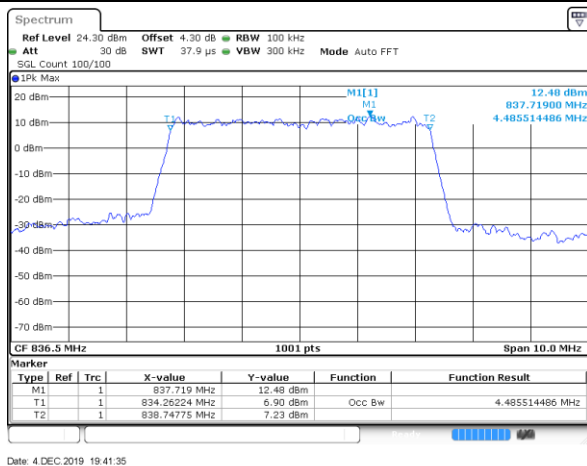
Lowest Channel / 5MHz / 64QAM



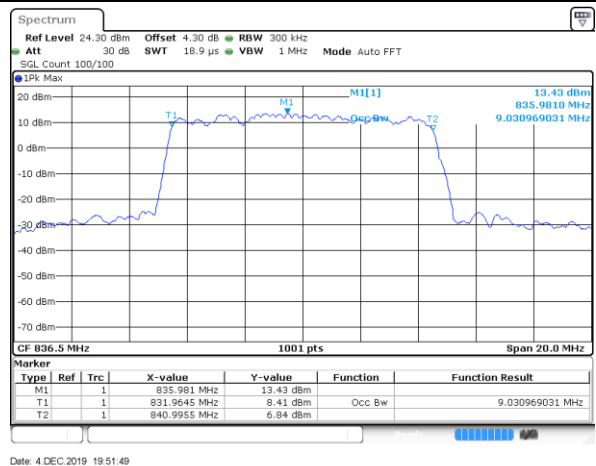
Lowest Channel / 10MHz / 64QAM



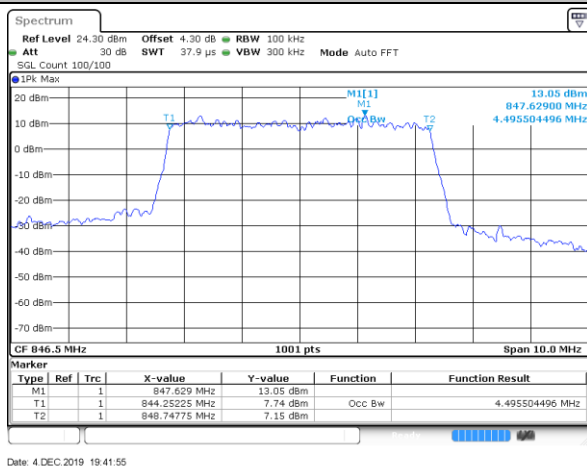
Middle Channel / 5MHz / 64QAM



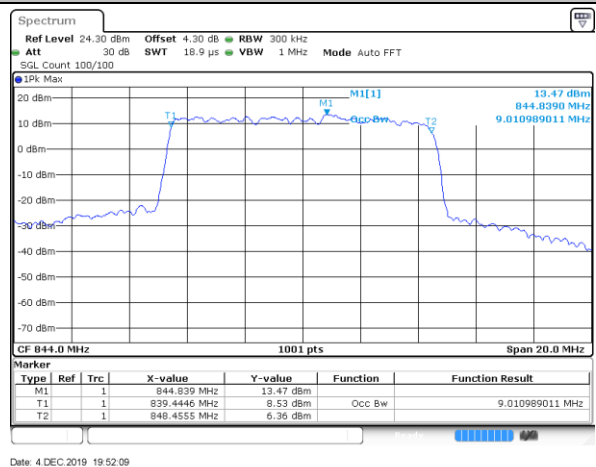
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM

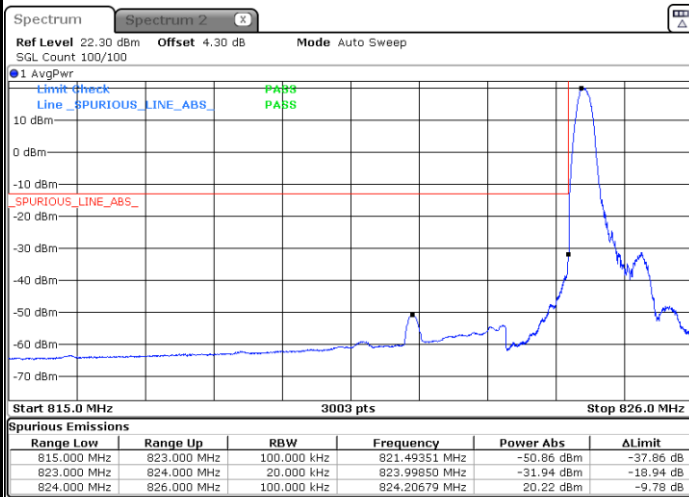




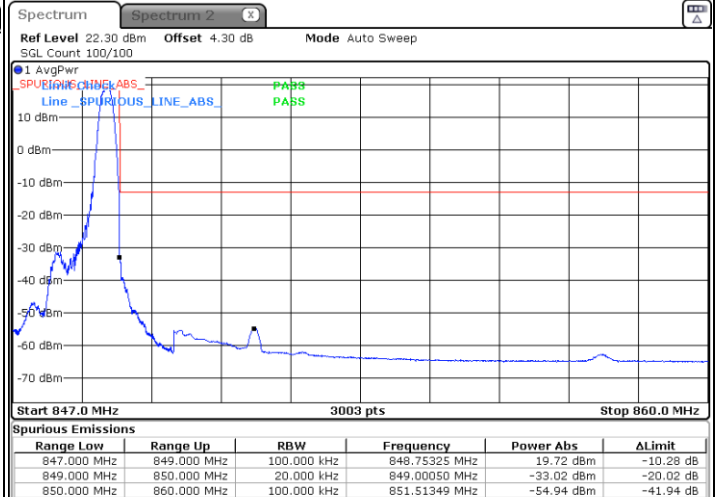
Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

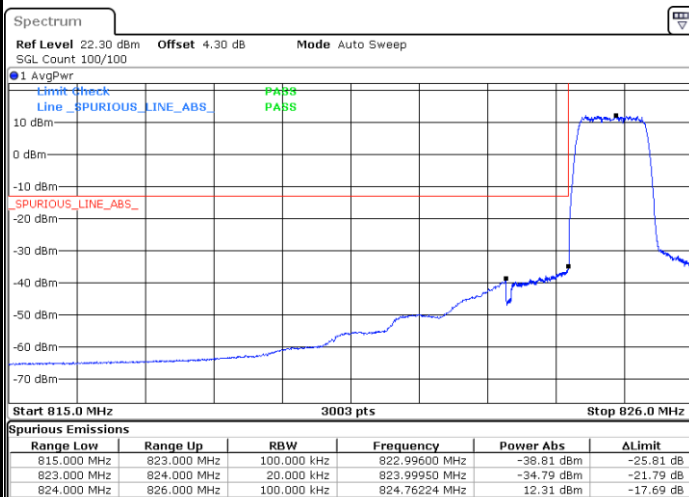
Lowest Band Edge / 1RB



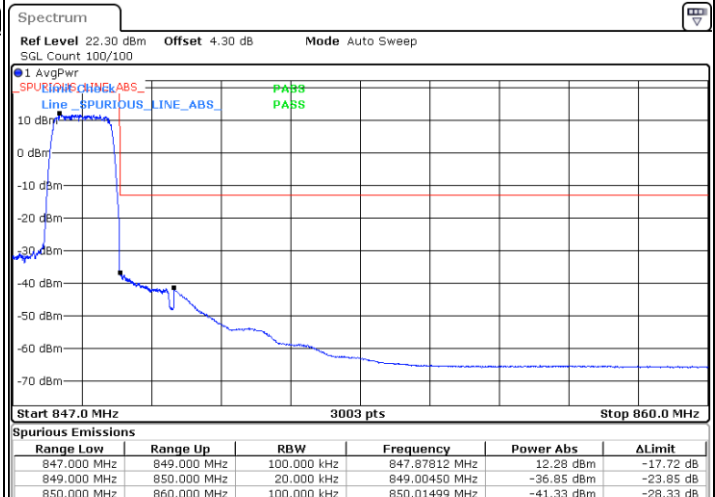
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



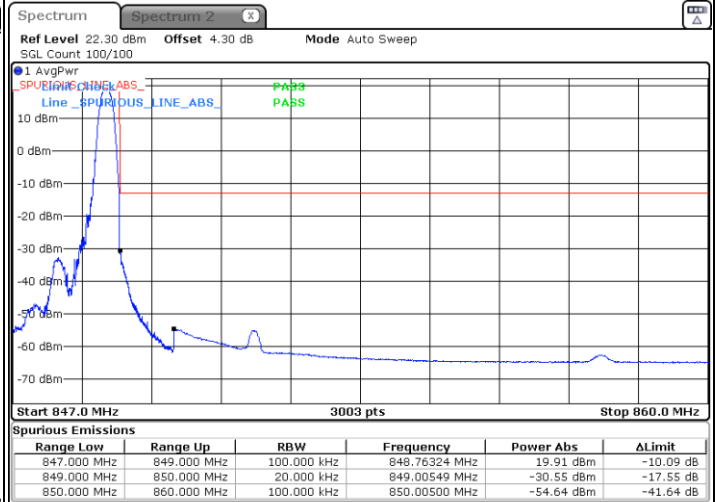


LTE Band 5 / 1.4MHz / 16QAM

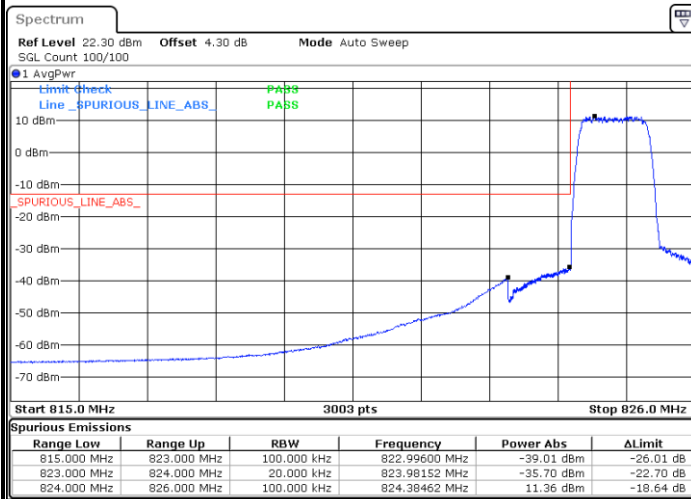
Lowest Band Edge / 1 RB



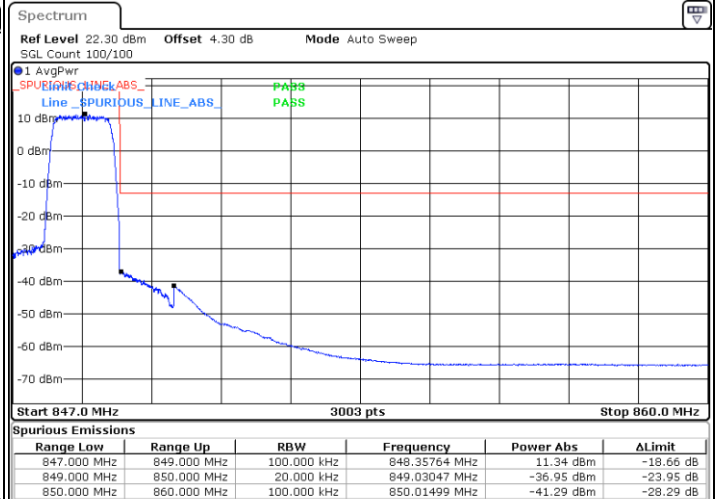
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



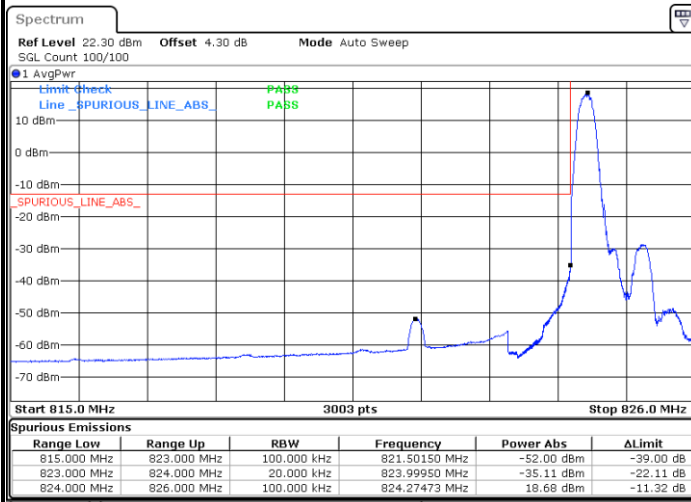
Highest Band Edge / Full RB





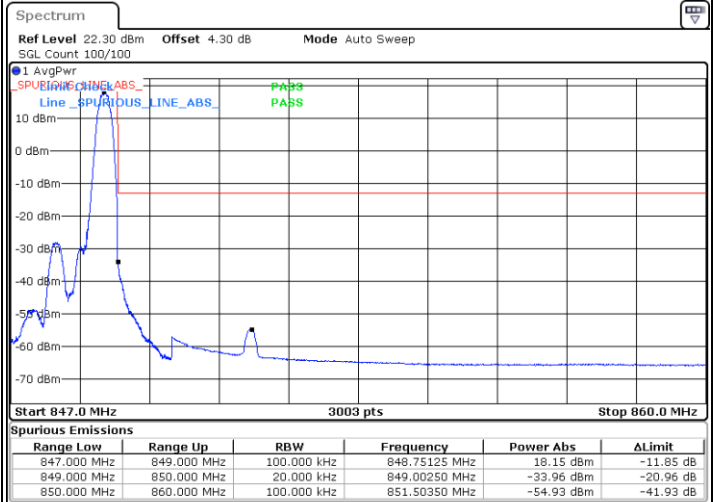
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



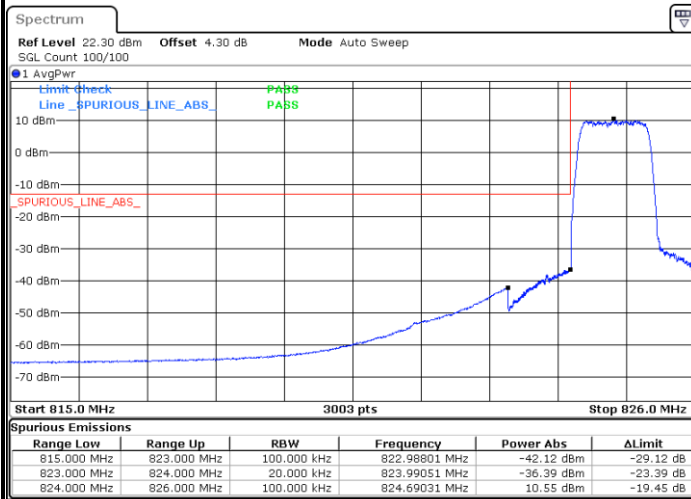
Date: 4 DEC.2019 19:19:11

Highest Band Edge / 1 RB



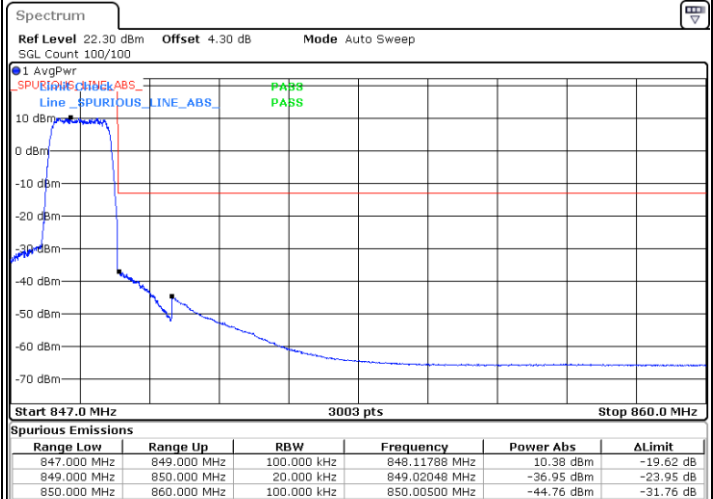
Date: 4 DEC.2019 19:24:55

Lowest Band Edge / Full RB



Date: 4 DEC.2019 19:17:33

Highest Band Edge / Full RB

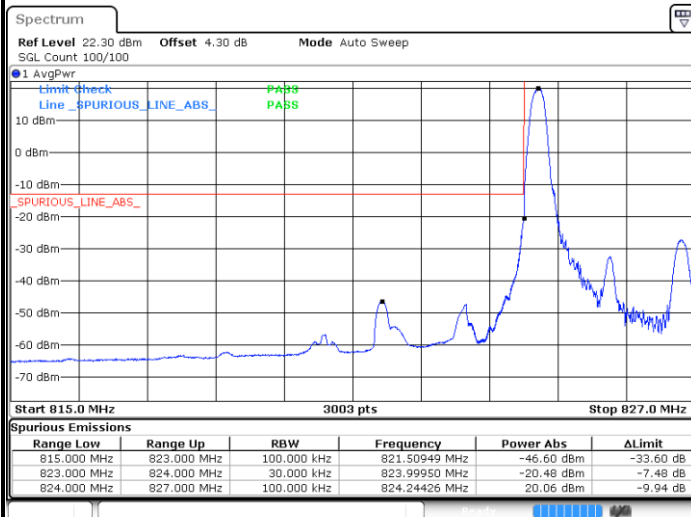


Date: 4 DEC.2019 19:23:16

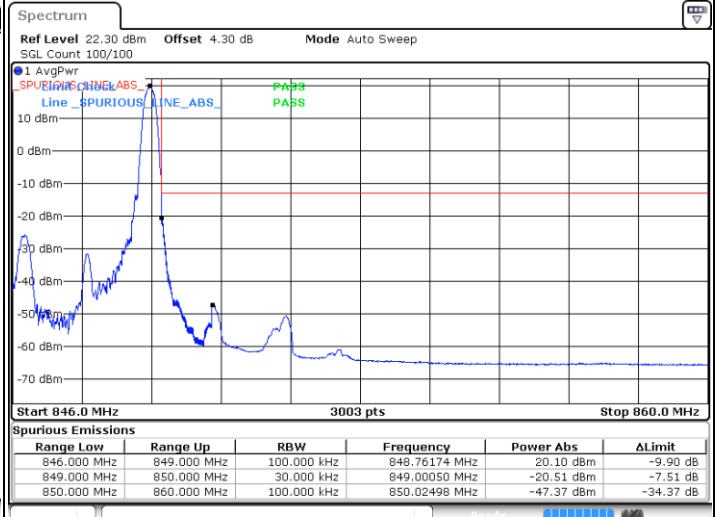


LTE Band 5 / 3MHz / QPSK

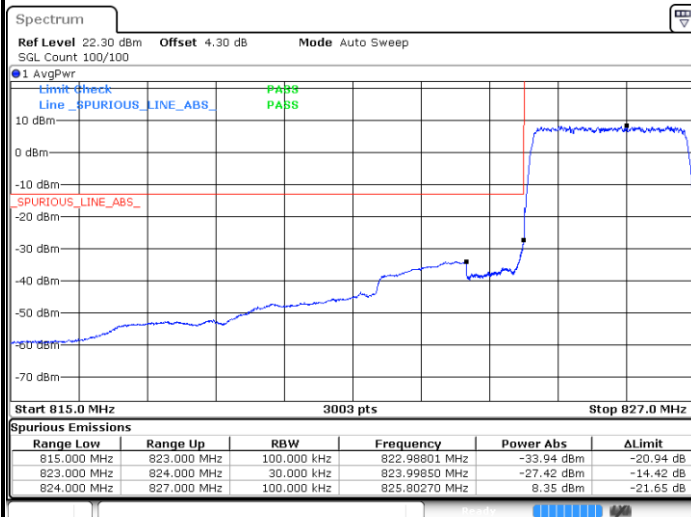
Lowest Band Edge / 1RB



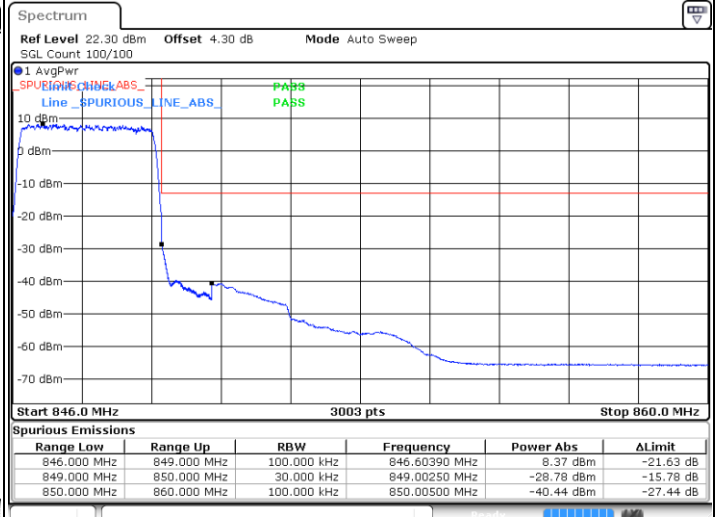
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



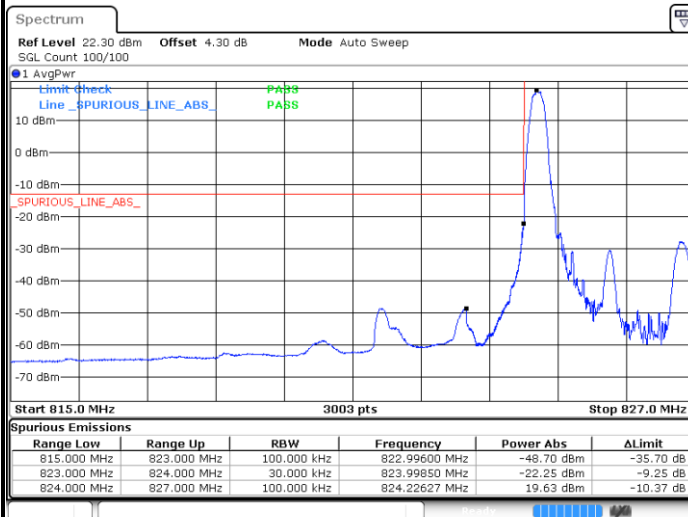
Highest Band Edge / Full RB



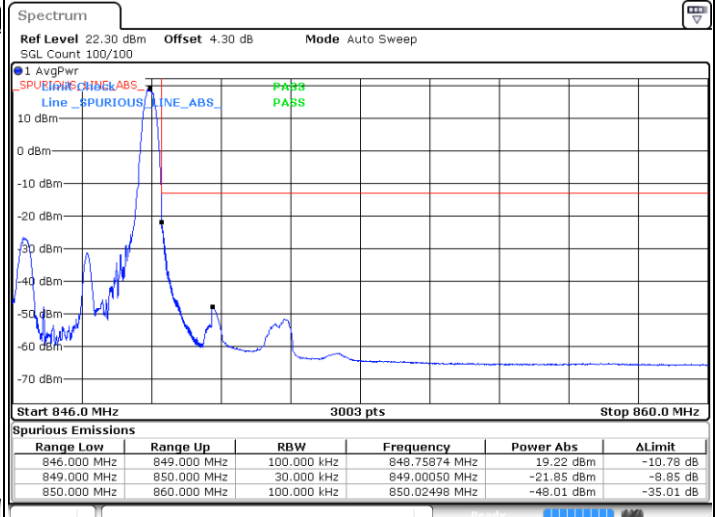


LTE Band 5 / 3MHz / 16QAM

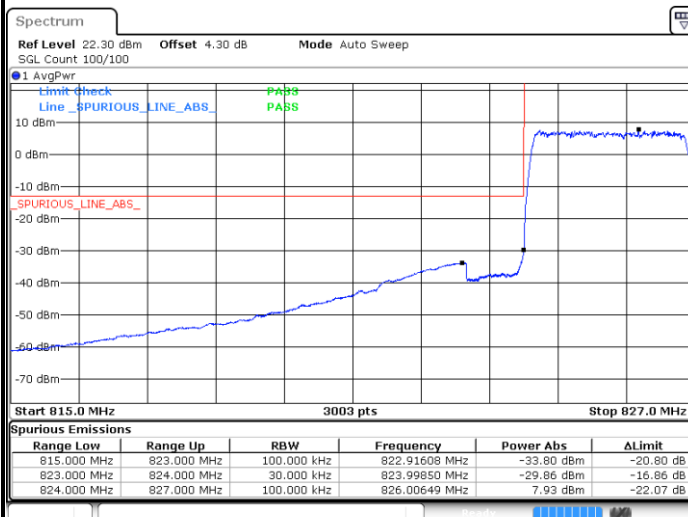
Lowest Band Edge / 1 RB



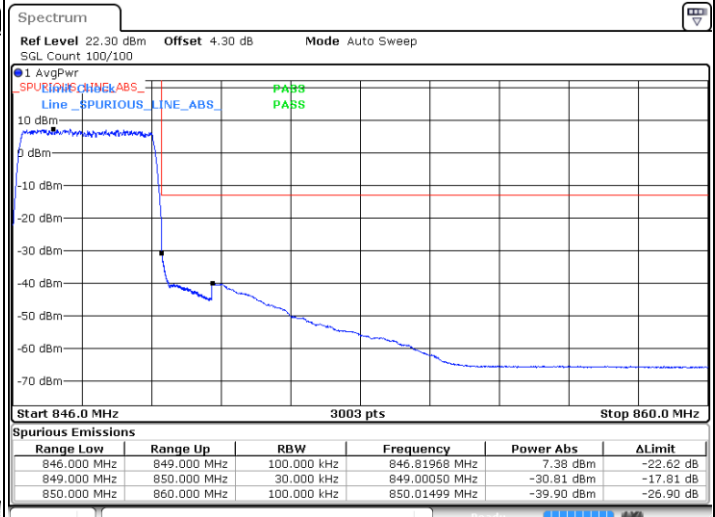
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



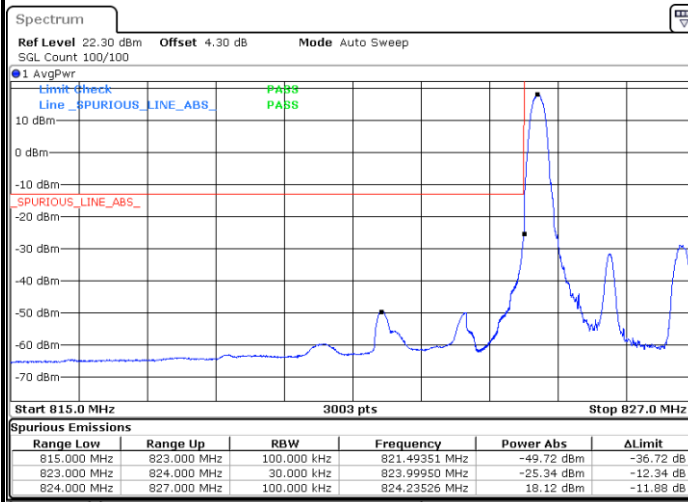
Highest Band Edge / Full RB



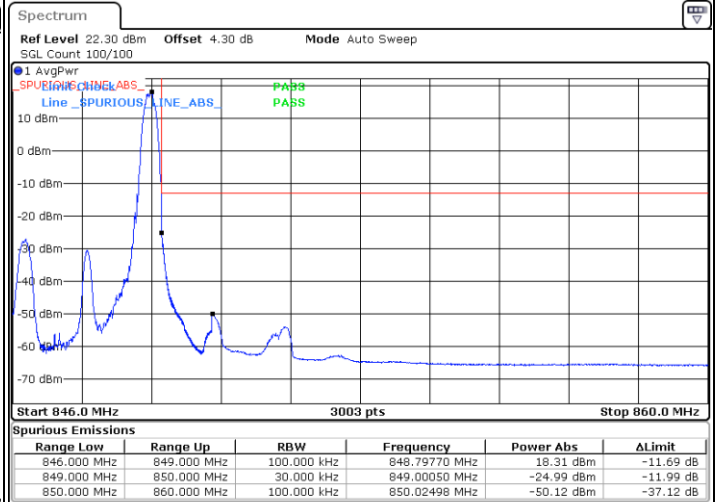


LTE Band 5 / 3MHz / 64QAM

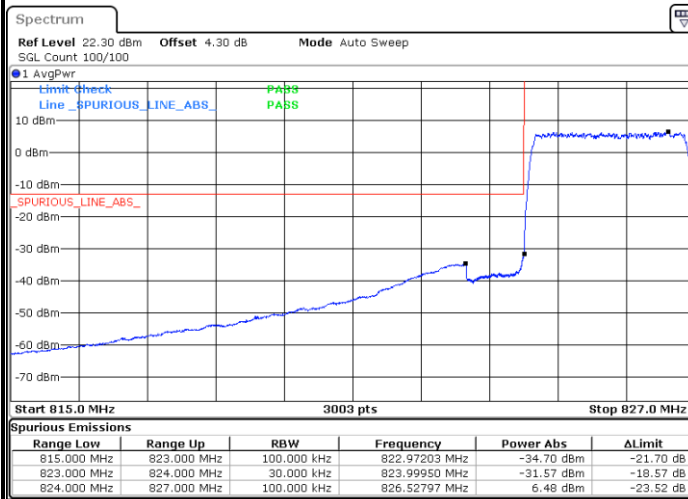
Lowest Band Edge / 1 RB



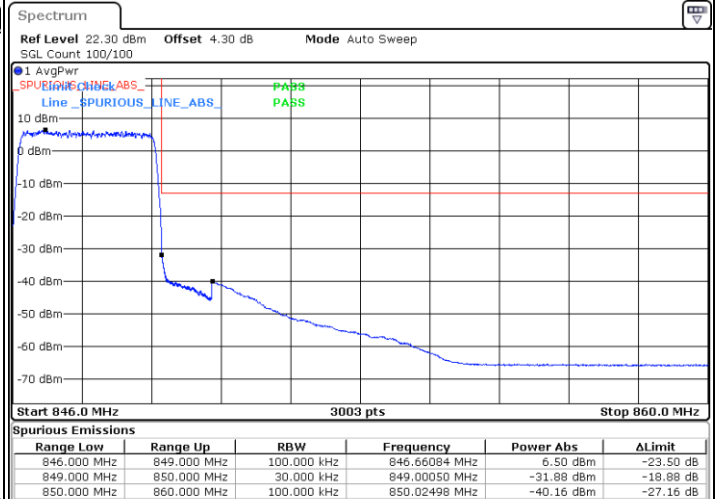
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



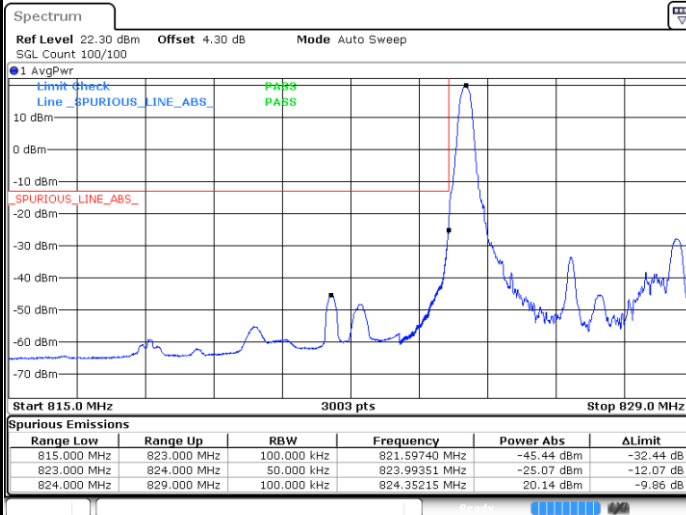
Highest Band Edge / Full RB



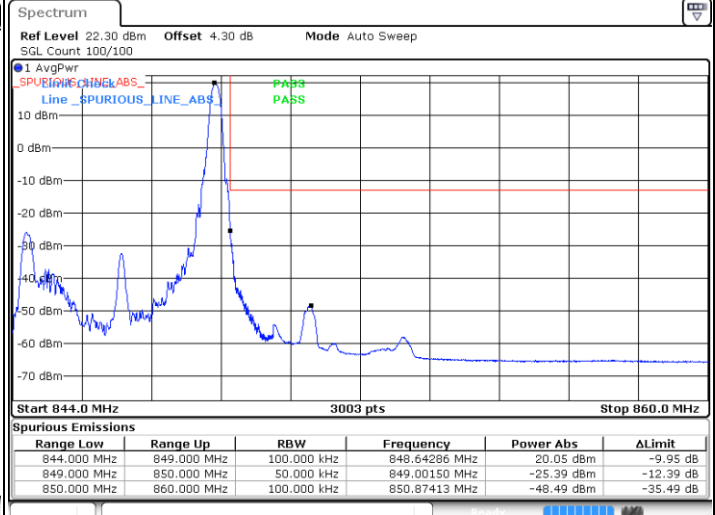


LTE Band 5 / 5MHz / QPSK

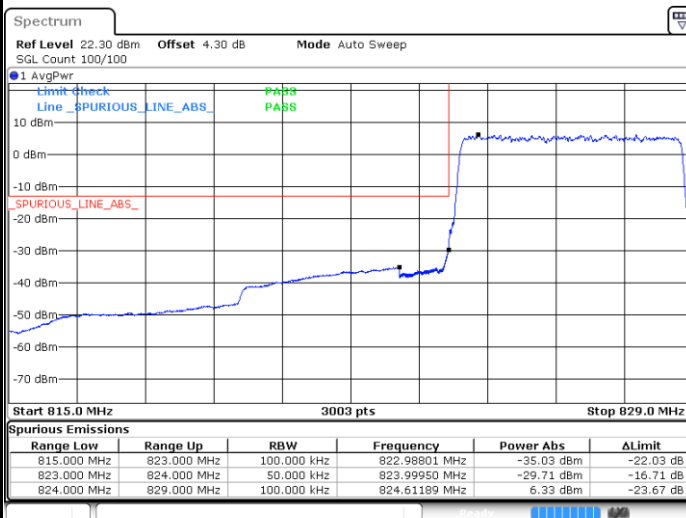
Lowest Band Edge / 1 RB



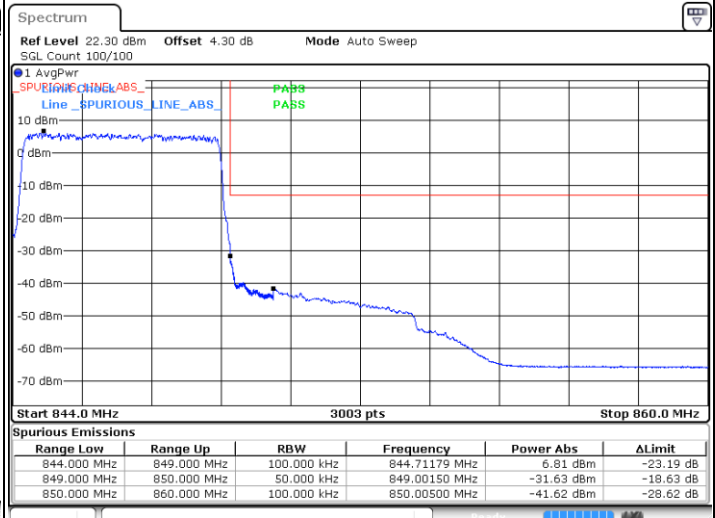
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



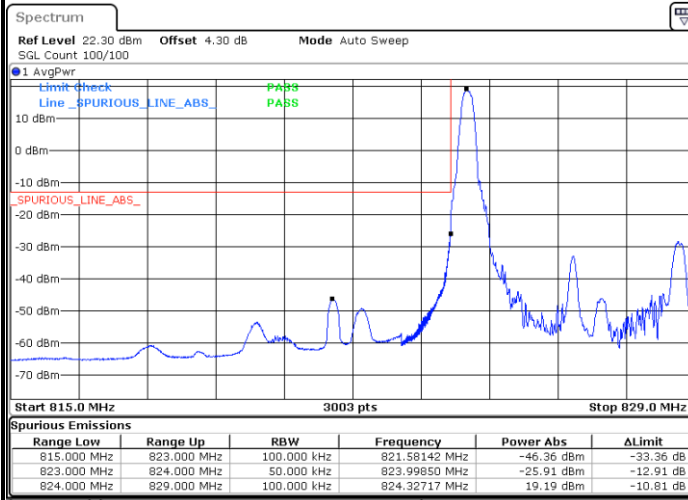
Highest Band Edge / Full RB



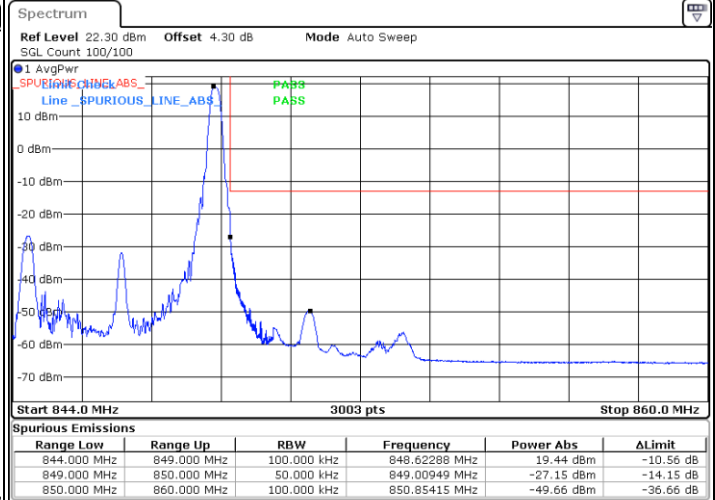


LTE Band 5 / 5MHz / 16QAM

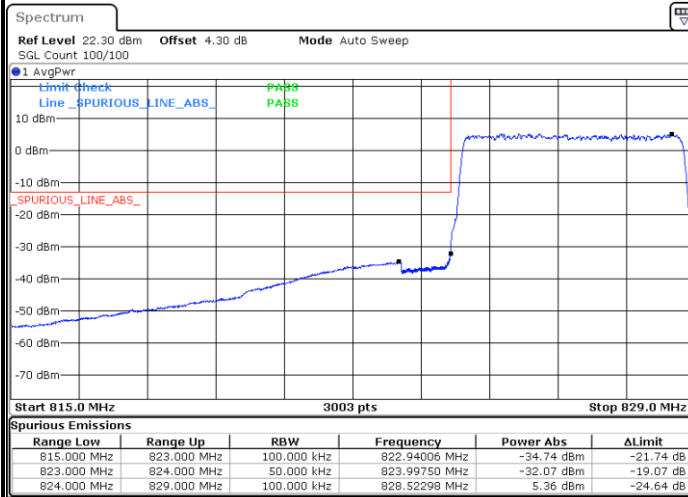
Lowest Band Edge / 1RB



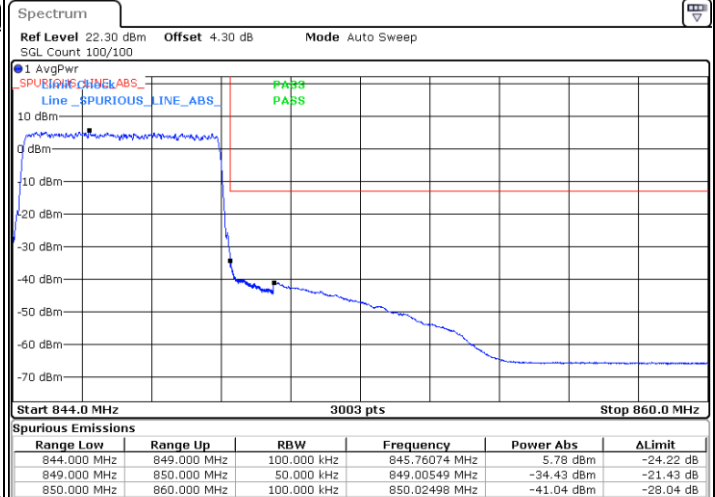
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



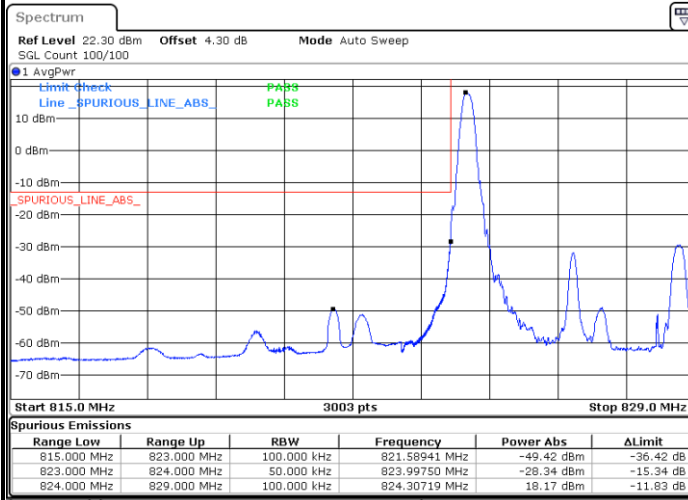
Highest Band Edge / Full RB



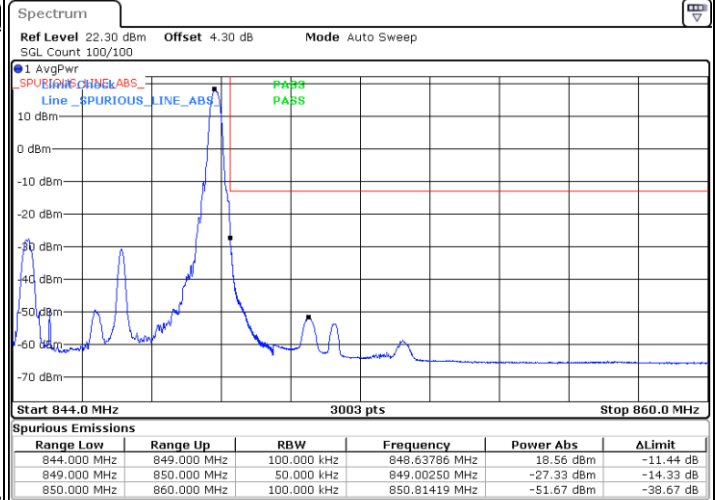


LTE Band 5 / 5MHz / 64QAM

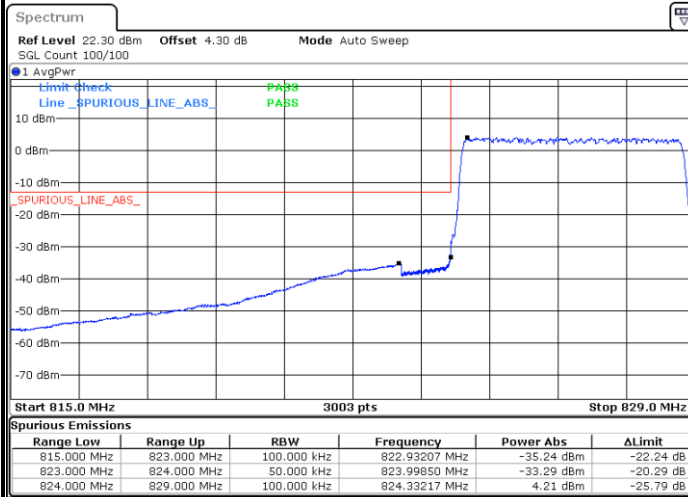
Lowest Band Edge / 1RB



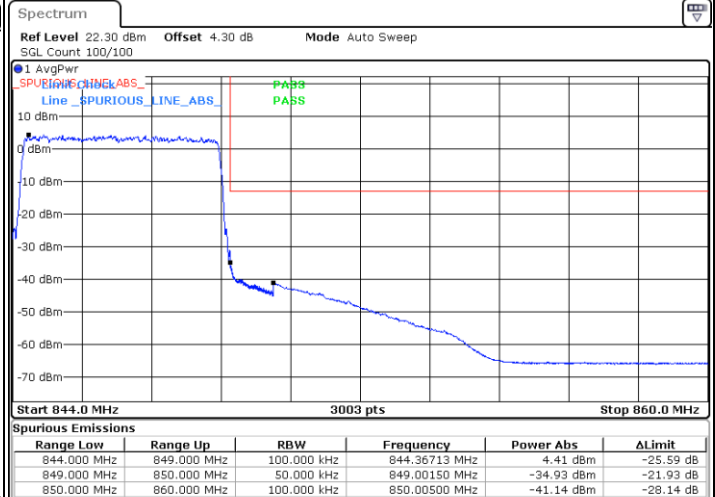
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



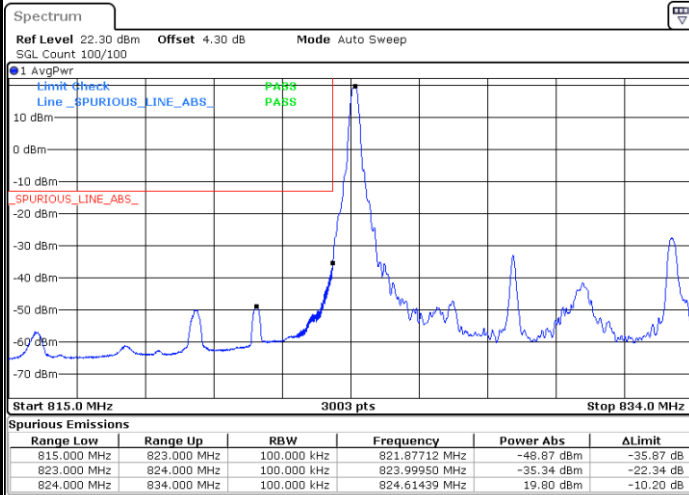
Highest Band Edge / Full RB



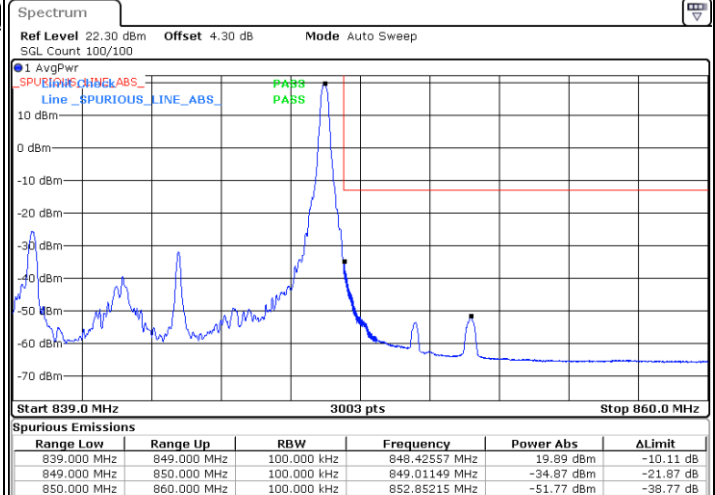


LTE Band 5 / 10MHz / QPSK

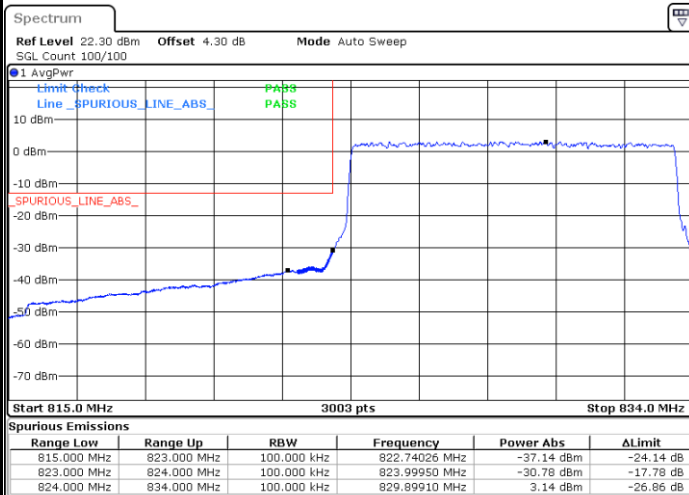
Lowest Band Edge / 1 RB



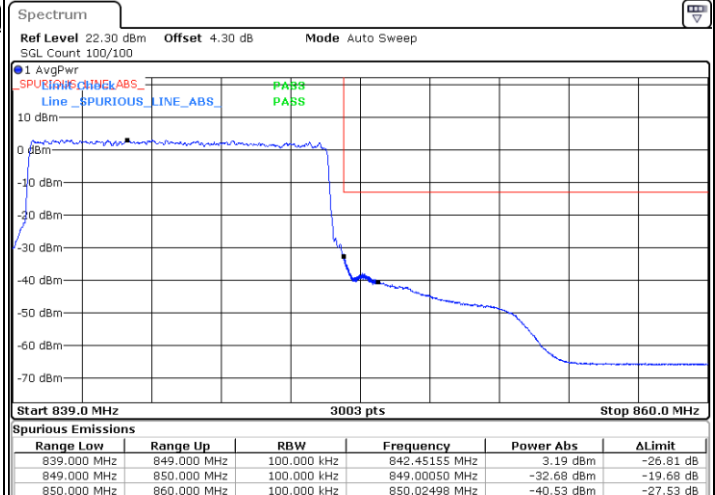
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



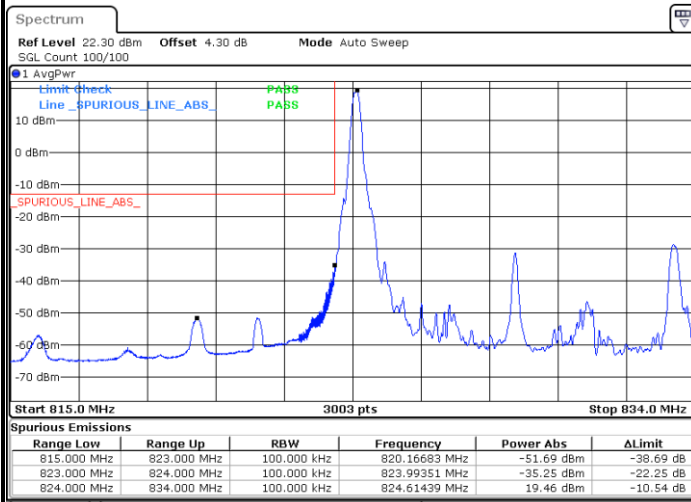
Highest Band Edge / Full RB



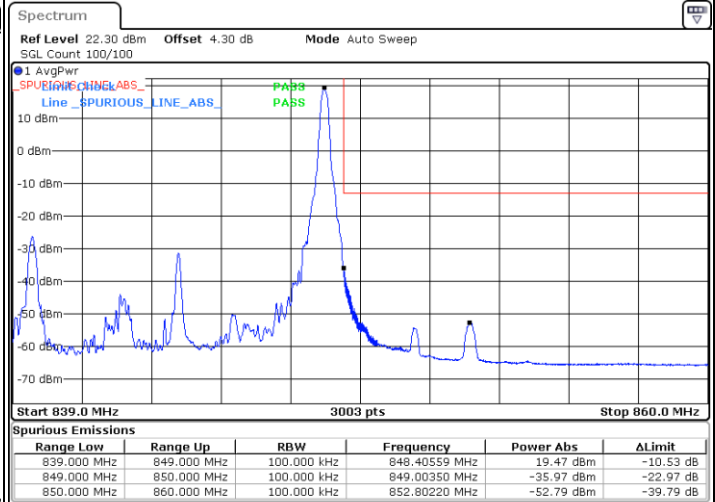


LTE Band 5 / 10MHz / 16QAM

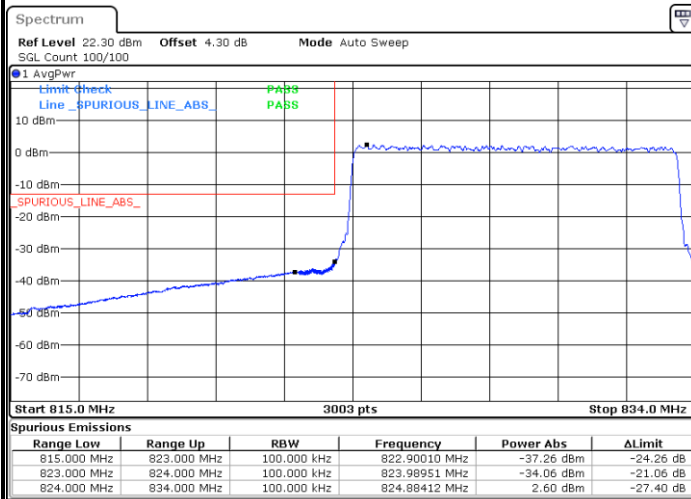
Lowest Band Edge / 1 RB



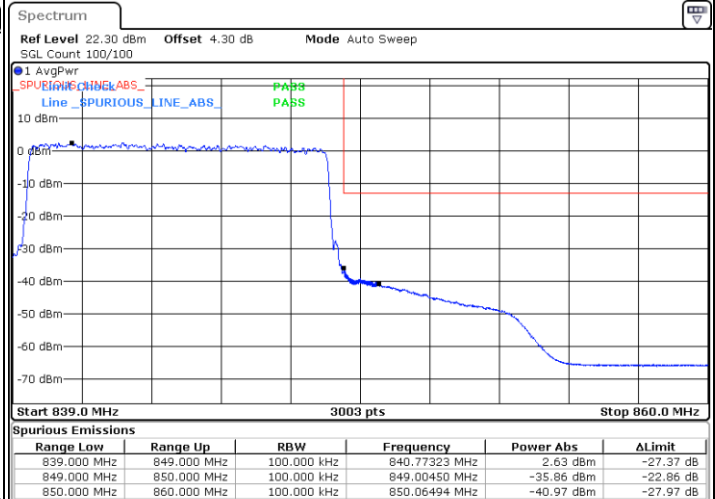
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



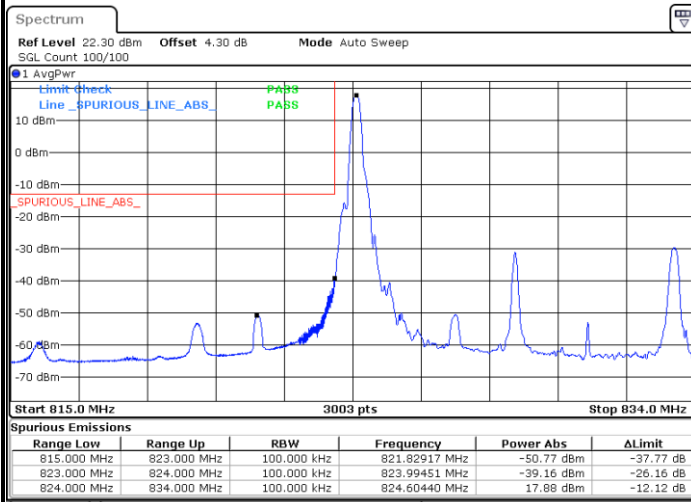
Highest Band Edge / Full RB



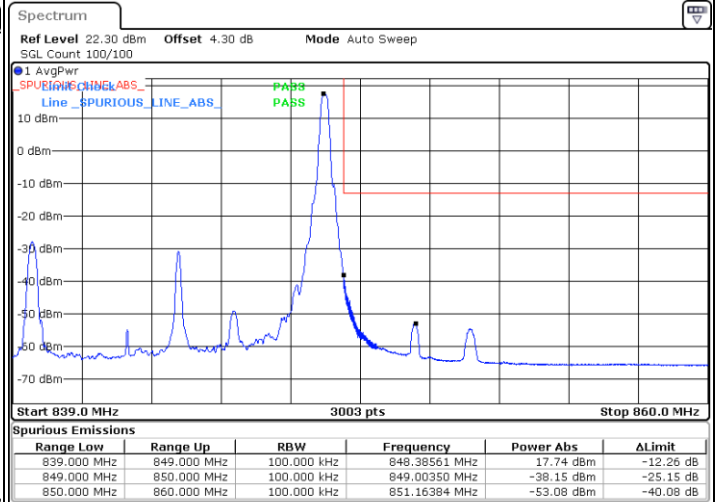


LTE Band 5 / 10MHz / 64QAM

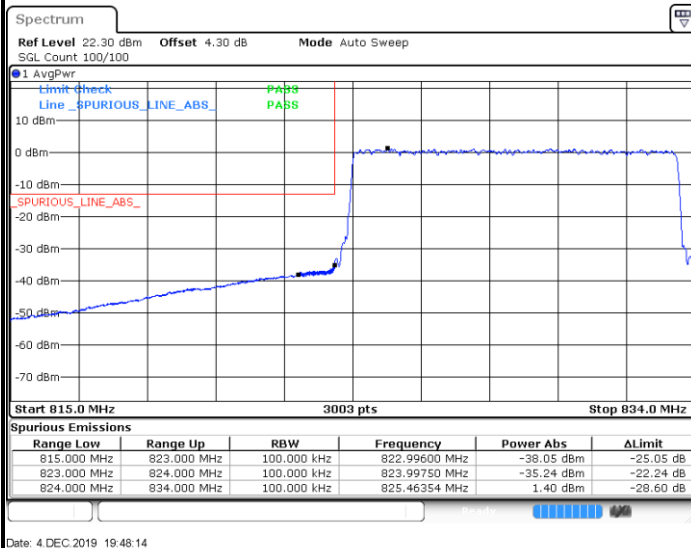
Lowest Band Edge / 1 RB



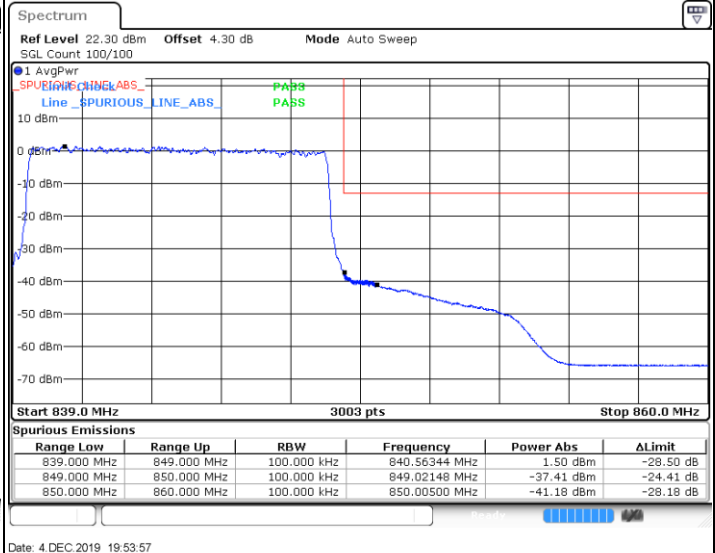
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

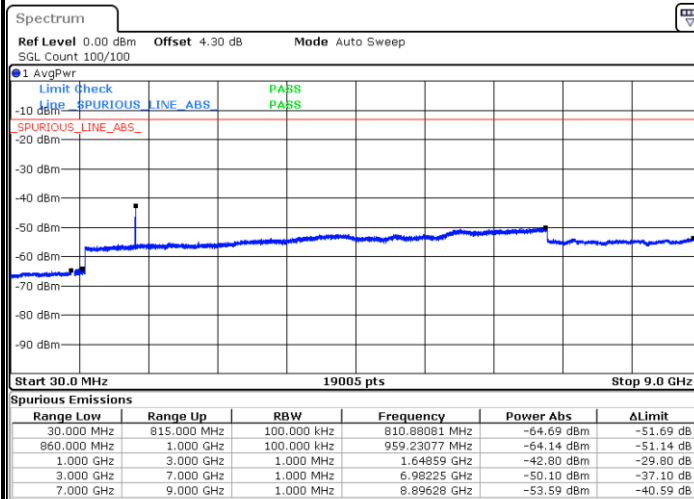




Conducted Spurious Emission

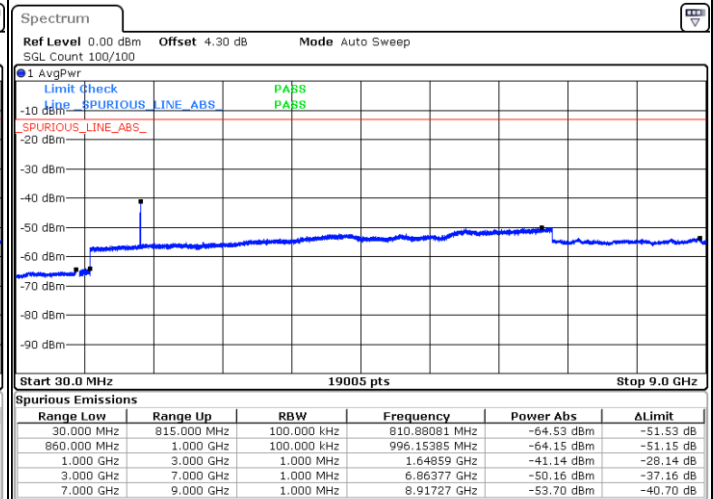
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



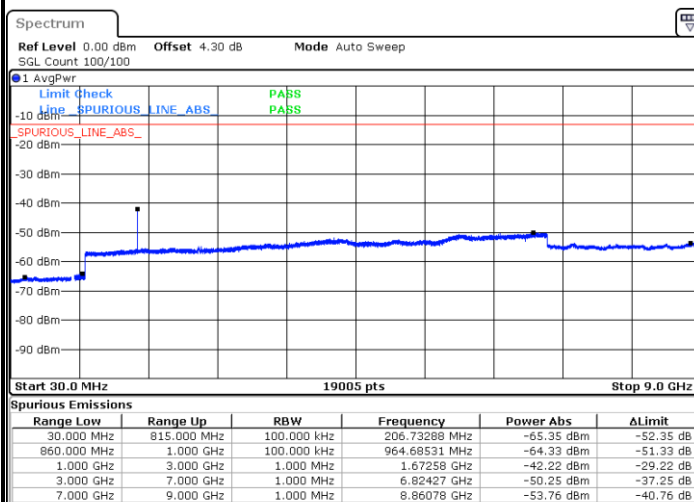
Date: 4 DEC 2019 18:25:41

Lowest Channel / 16QAM



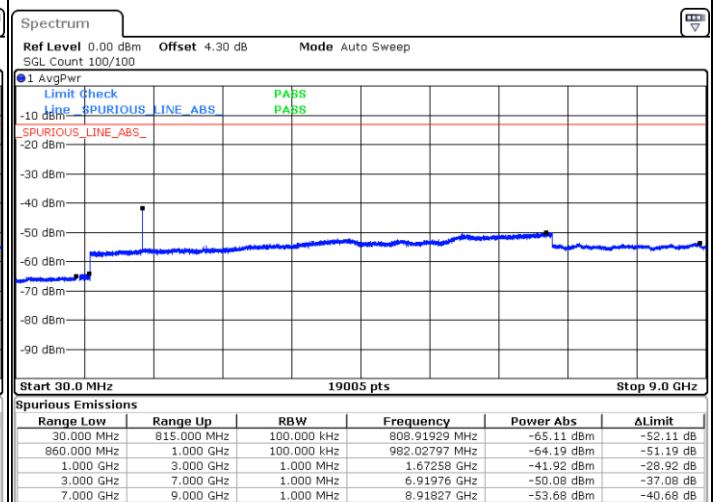
Date: 4 DEC 2019 18:26:34

Middle Channel / QPSK



Date: 4 DEC 2019 18:28:07

Middle Channel / 16QAM

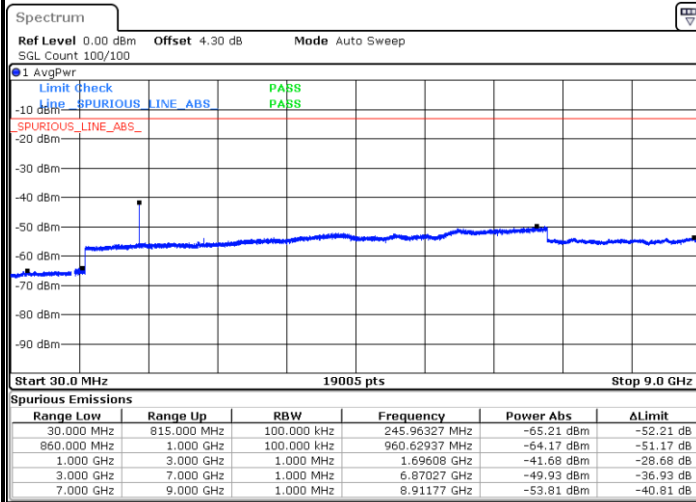


Date: 4 DEC 2019 18:29:00



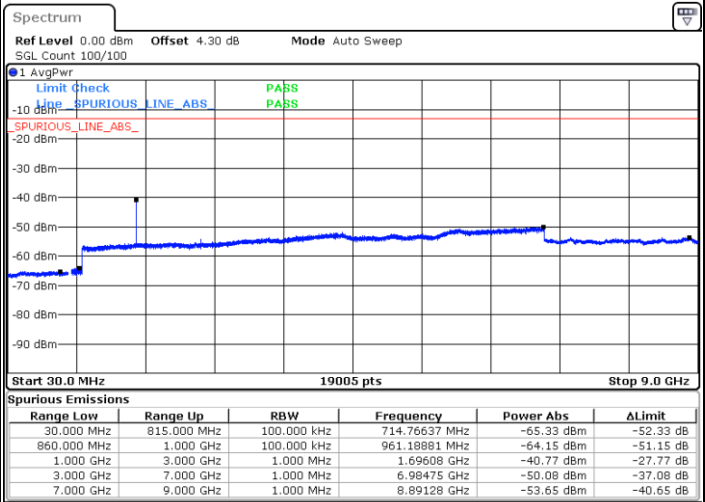
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 4 DEC. 2019 18:37:07

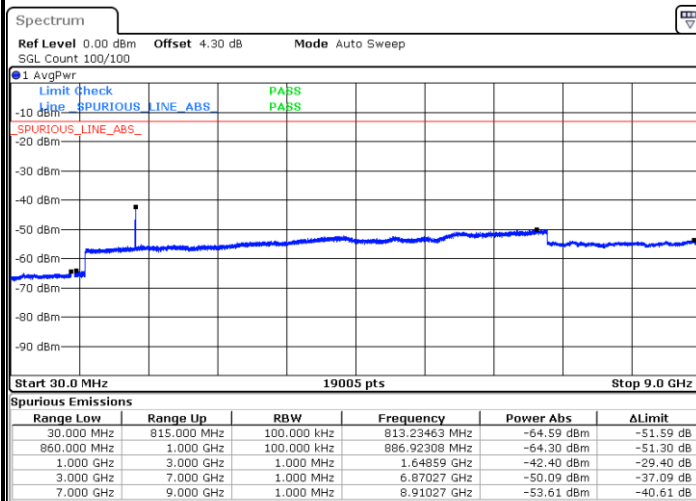
Highest Channel / 16QAM



Date: 4 DEC. 2019 18:38:00

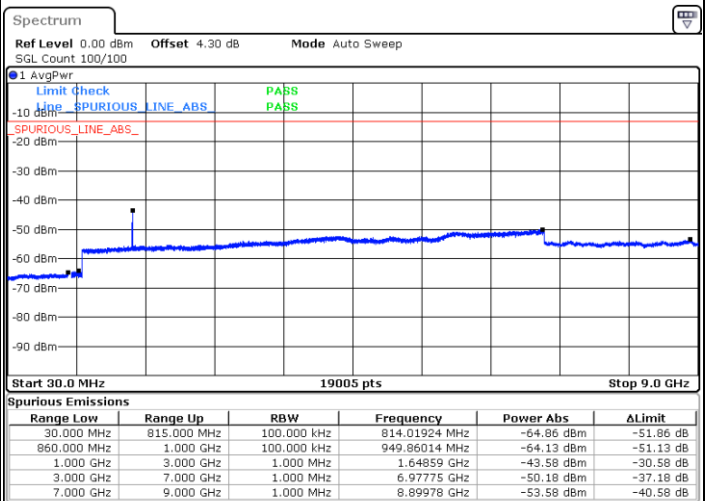
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 4 DEC. 2019 20:08:18

Lowest Channel / 16QAM

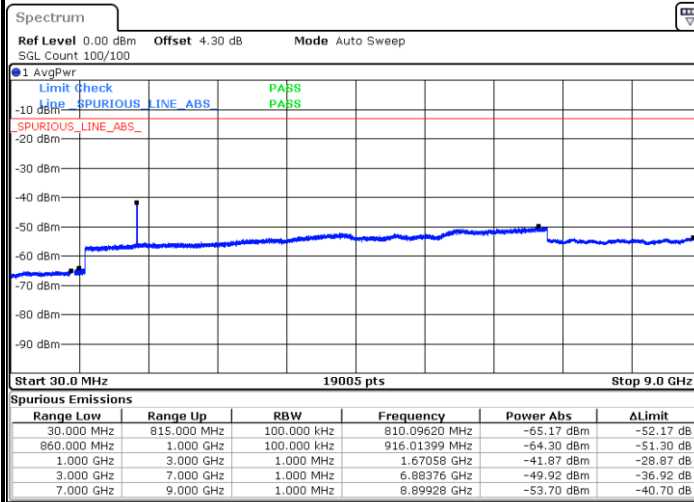


Date: 4 DEC. 2019 20:09:11



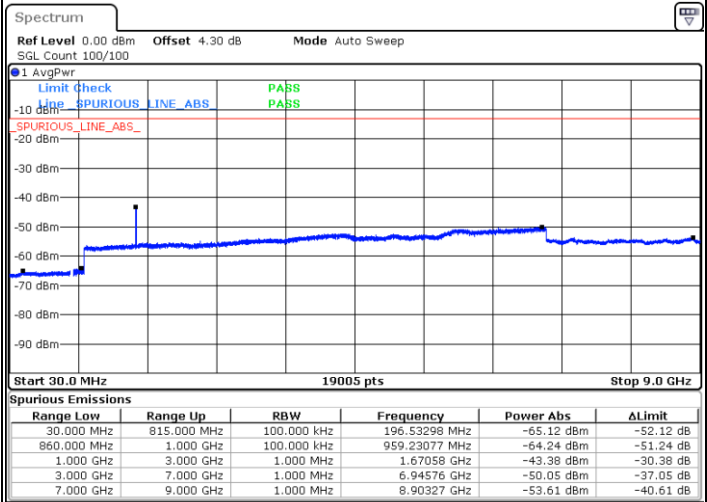
LTE Band 5 / 3MHz

Middle Channel / QPSK



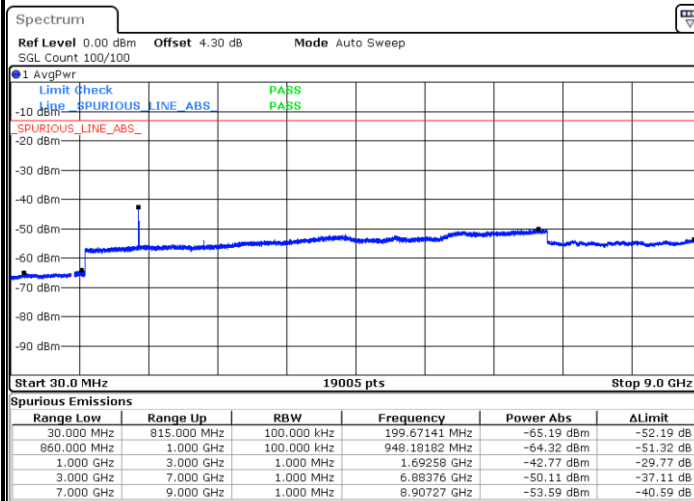
Date: 4 DEC. 2019 20:10:44

Middle Channel / 16QAM



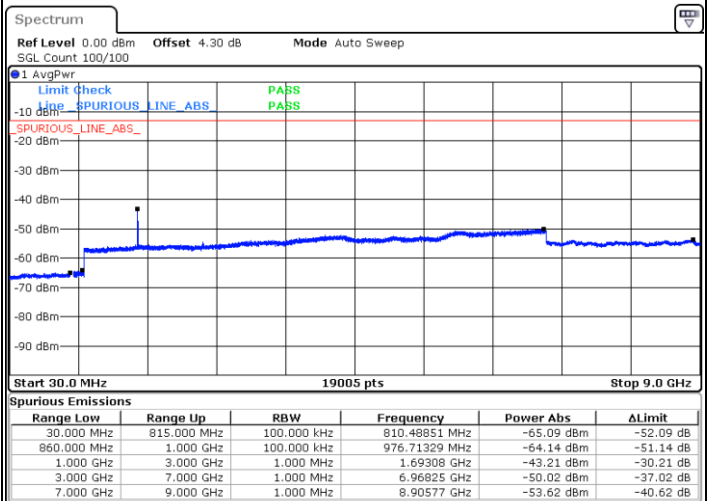
Date: 4 DEC. 2019 20:11:37

Highest Channel / QPSK



Date: 4 DEC. 2019 20:19:45

Highest Channel / 16QAM

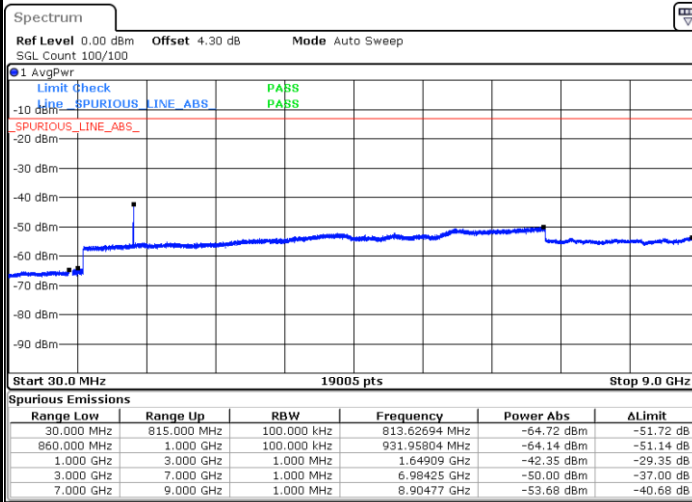


Date: 4 DEC. 2019 20:20:38



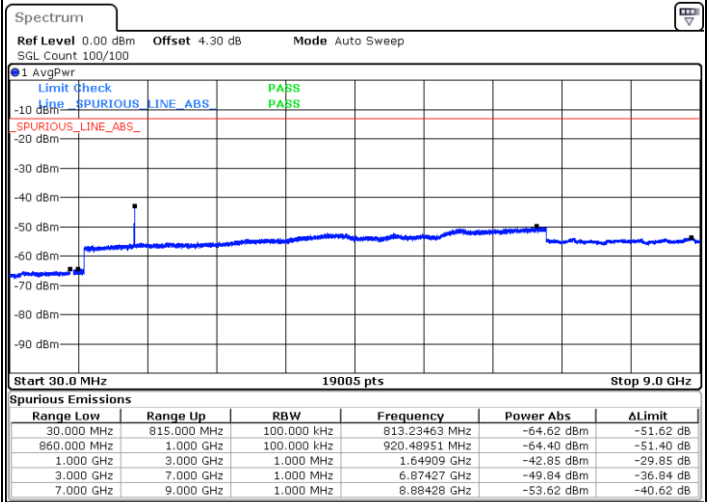
LTE Band 5 / 5MHz

Lowest Channel / QPSK



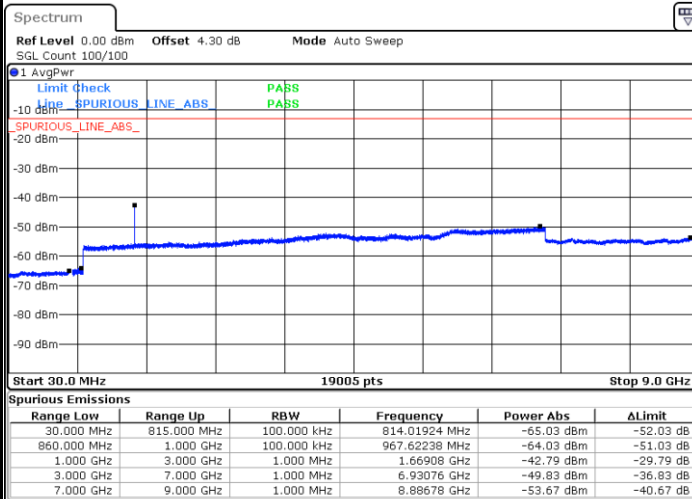
Date: 4 DEC. 2019 20:37:42

Lowest Channel / 16QAM



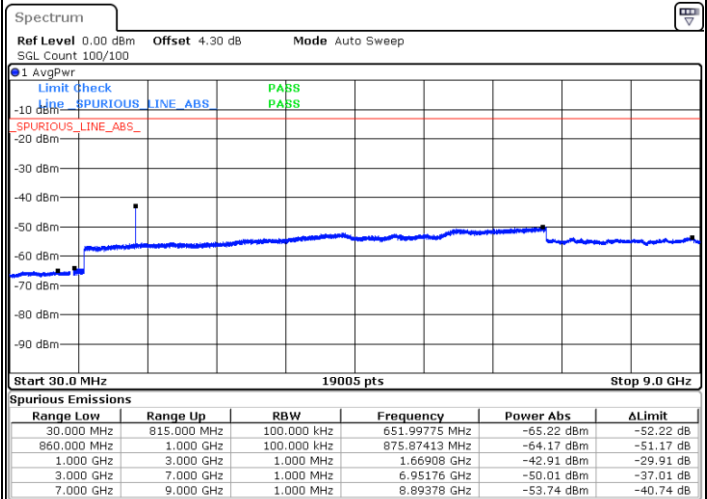
Date: 4 DEC. 2019 18:39:33

Middle Channel / QPSK



Date: 4 DEC. 2019 20:38:35

Middle Channel / 16QAM

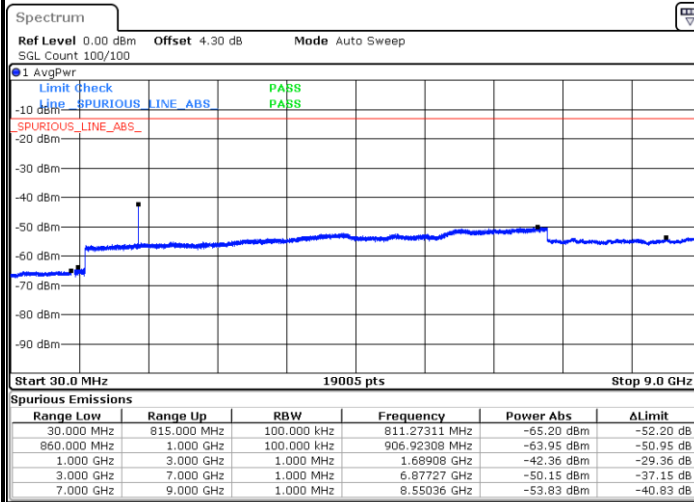


Date: 4 DEC. 2019 20:39:28



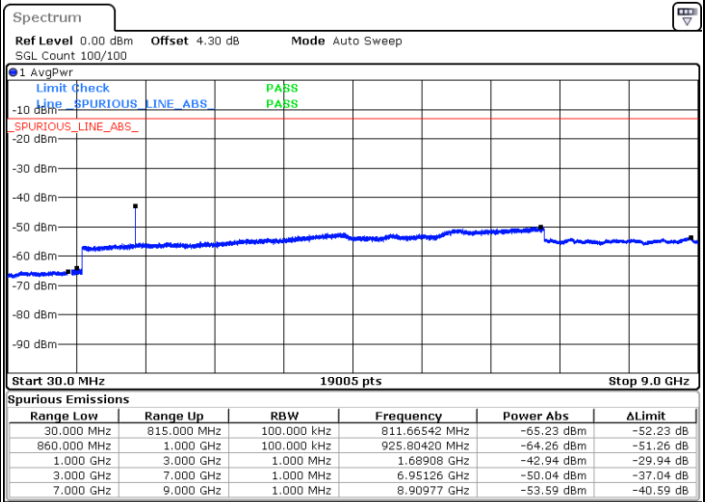
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 4 DEC. 2019 20:40:22

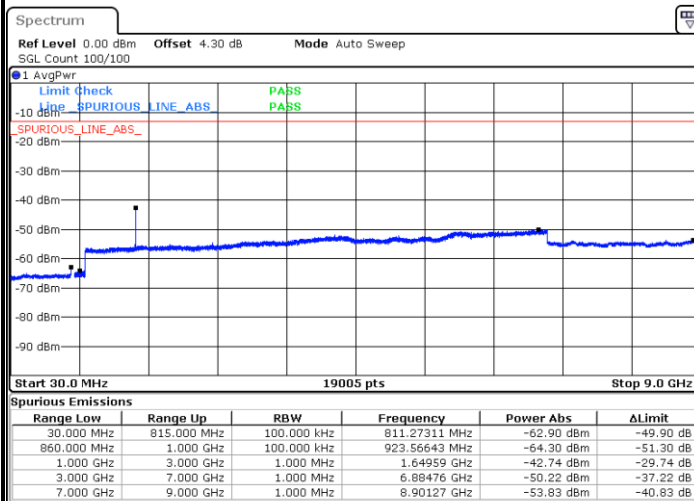
Highest Channel / 16QAM



Date: 4 DEC. 2019 20:41:15

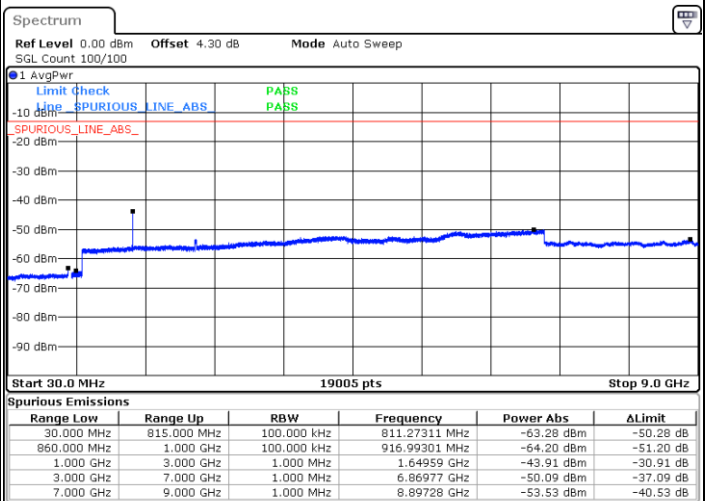
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 4 DEC. 2019 18:59:06

Lowest Channel / 16QAM

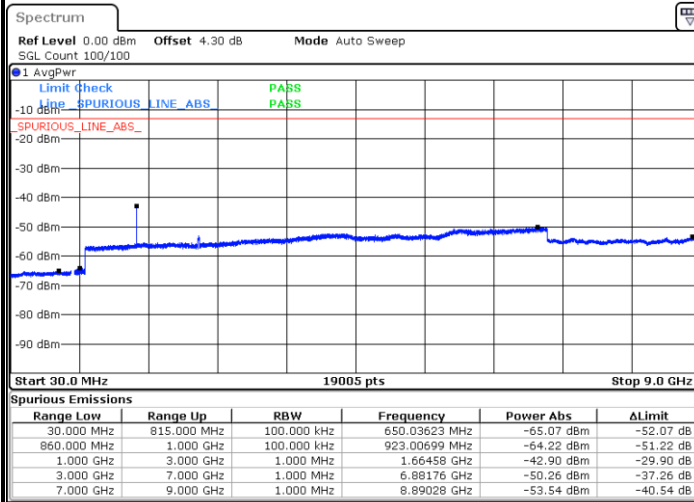


Date: 4 DEC. 2019 19:00:00



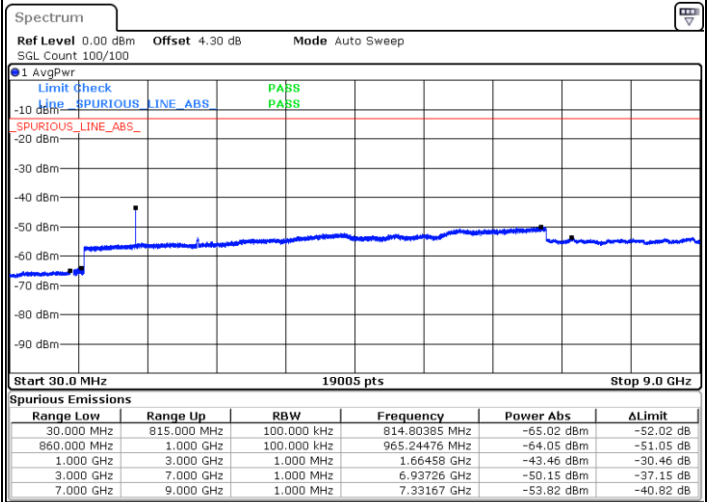
LTE Band 5 / 10MHz

Middle Channel / QPSK



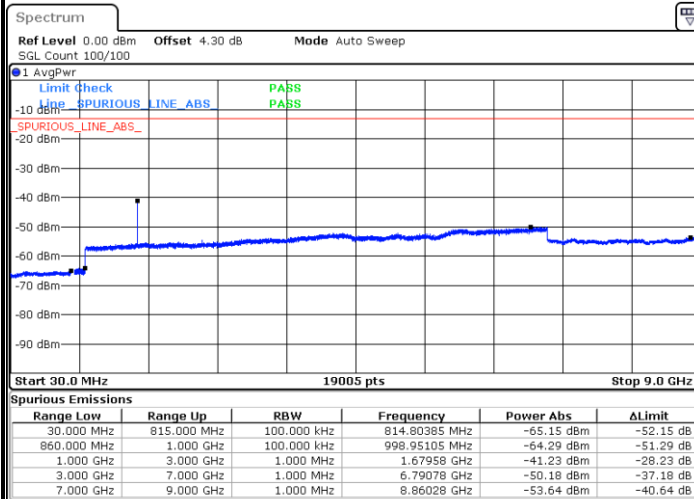
Date: 4 DEC. 2019 19:01:33

Middle Channel / 16QAM



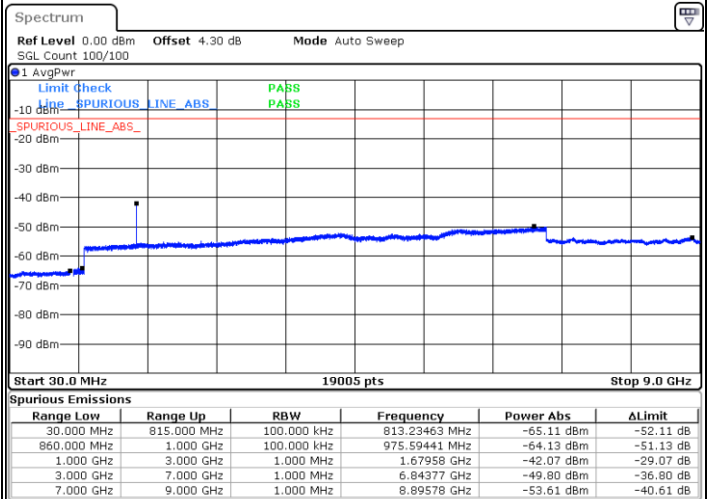
Date: 4 DEC. 2019 19:02:26

Highest Channel / QPSK



Date: 4 DEC. 2019 19:10:33

Highest Channel / 16QAM

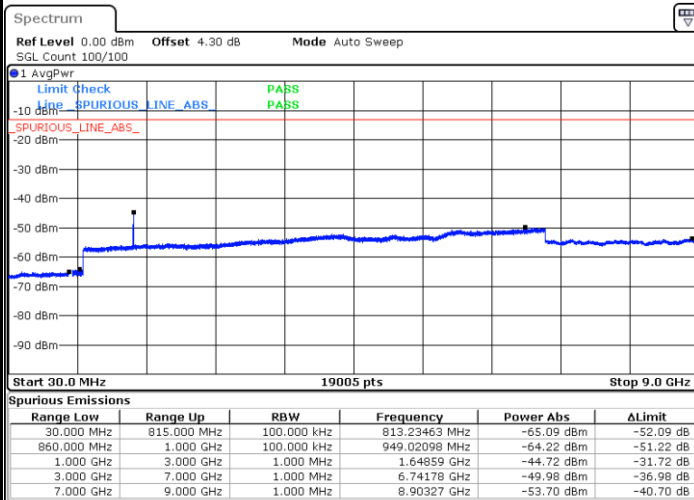


Date: 4 DEC. 2019 19:11:26



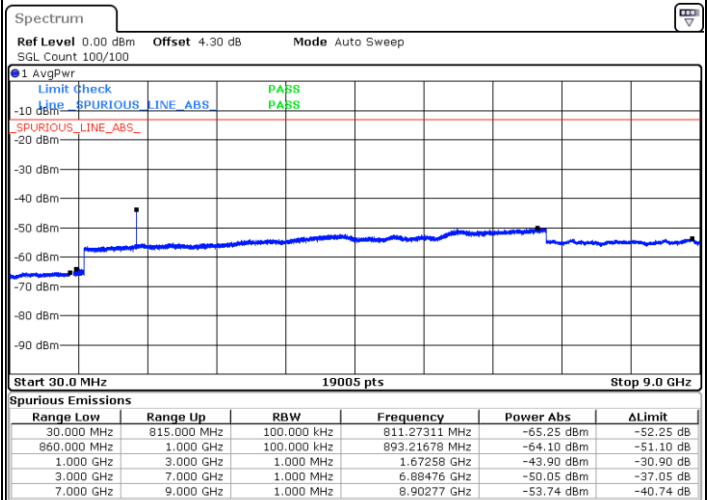
LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM



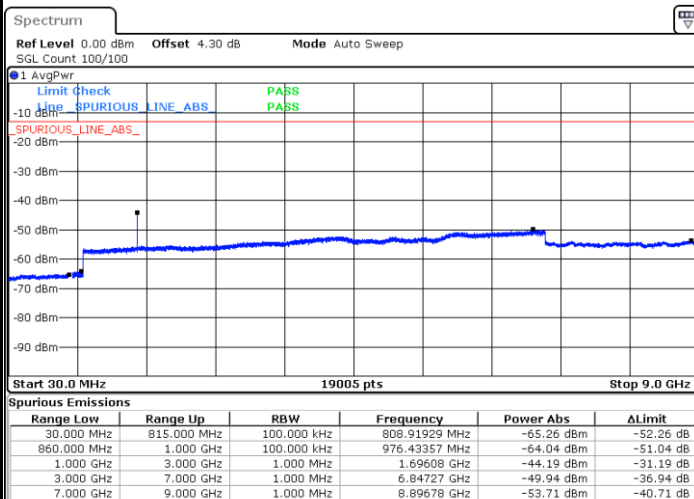
Date: 4 DEC. 2019 19:20:05

Middle Channel / 64QAM



Date: 4 DEC. 2019 19:20:59

Highest Channel / 64QAM

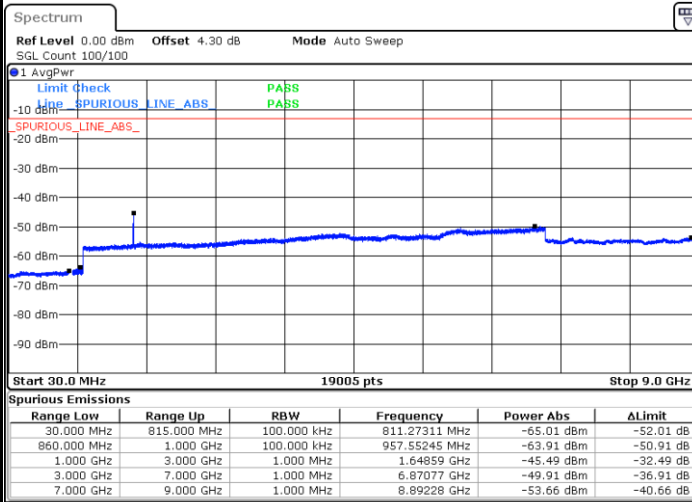


Date: 4 DEC. 2019 19:25:49



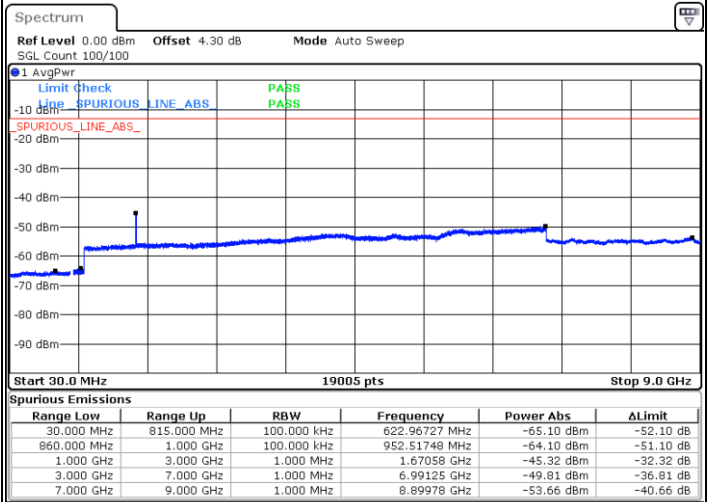
LTE Band 5 / 3MHz

Lowest Channel / 64QAM



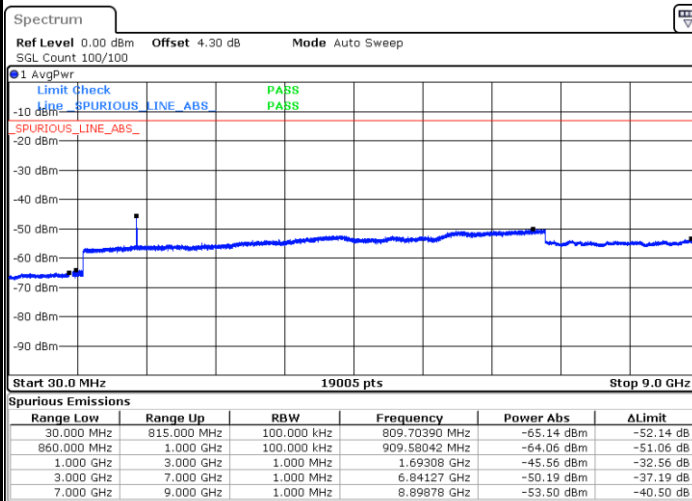
Date: 4 DEC. 2019 19:30:19

Middle Channel / 64QAM



Date: 4 DEC. 2019 19:31:12

Highest Channel / 64QAM

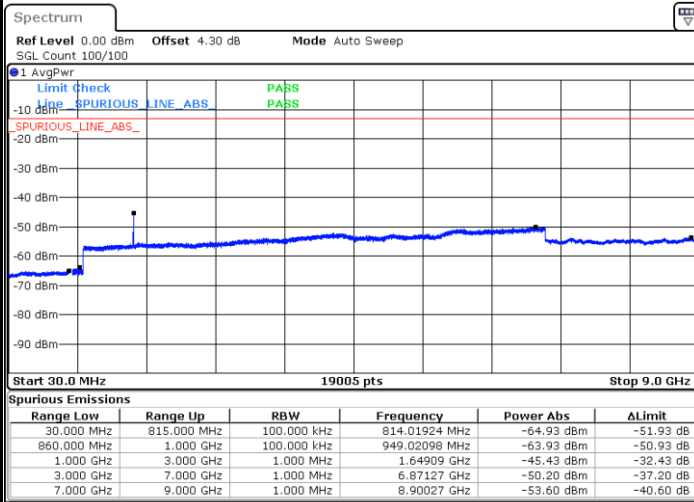


Date: 4 DEC. 2019 19:36:02



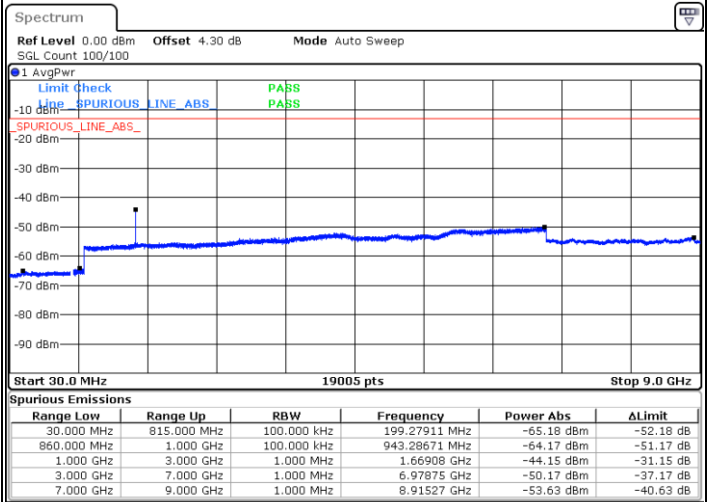
LTE Band 5 / 5MHz

Lowest Channel / 64QAM



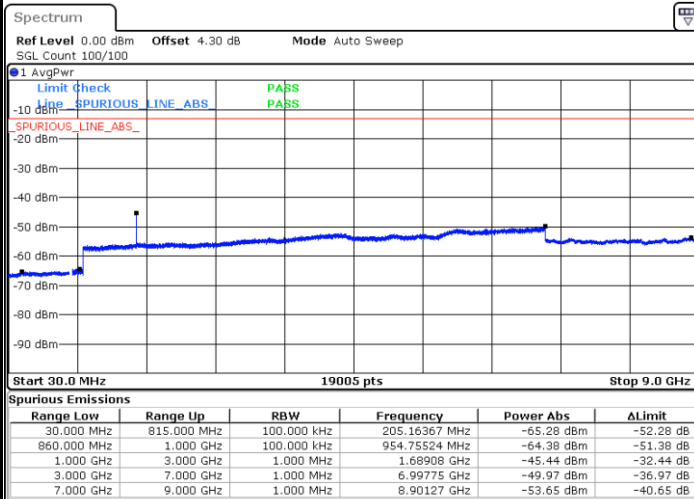
Date: 4 DEC. 2019 19:40:32

Middle Channel / 64QAM



Date: 4 DEC. 2019 19:41:26

Highest Channel / 64QAM

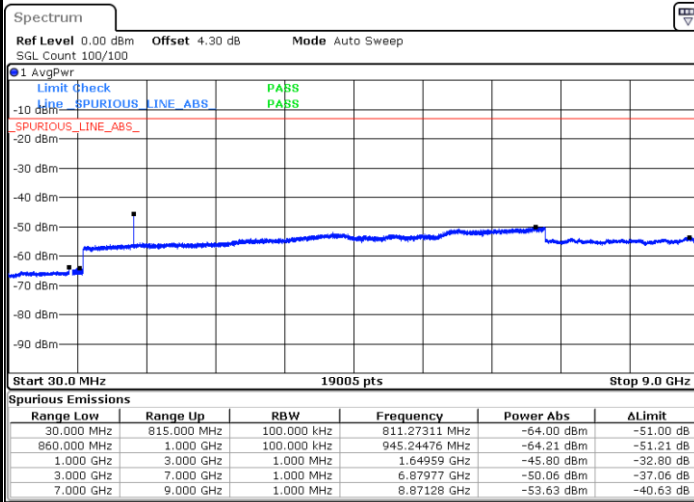


Date: 4 DEC. 2019 19:46:16



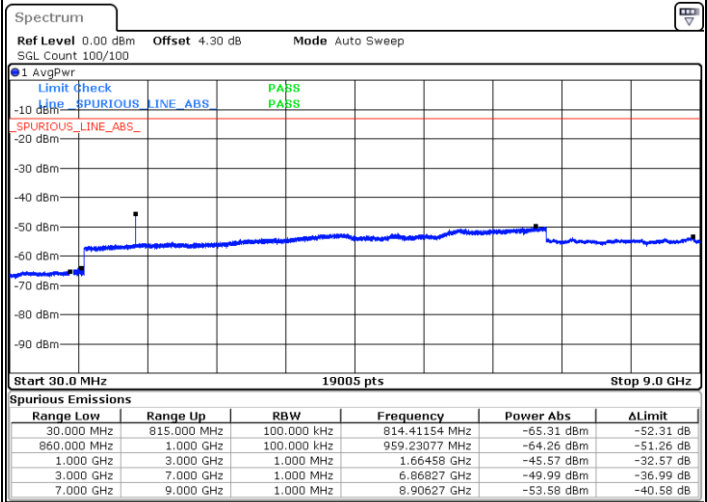
LTE Band 5 / 10MHz

Lowest Channel / 64QAM



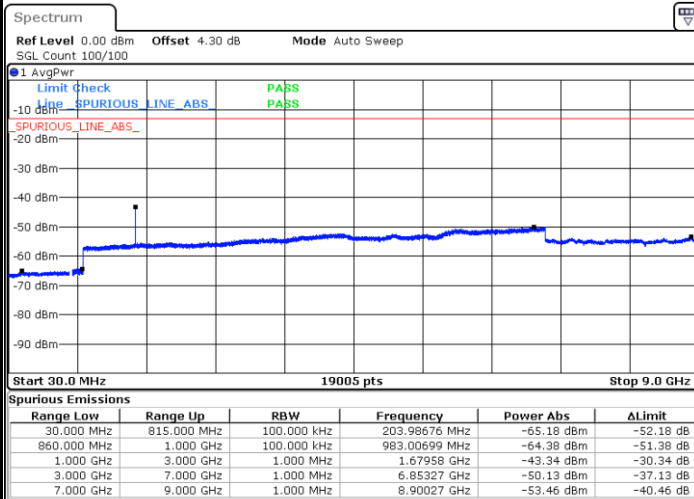
Date: 4 DEC. 2019 19:50:46

Middle Channel / 64QAM



Date: 4 DEC. 2019 19:51:39

Highest Channel / 64QAM



Date: 4 DEC. 2019 19:56:29

**Frequency Stability**

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0040	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0056	
0	Normal Voltage	0.0053	
-10	Normal Voltage	0.0051	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0060	
20	Maximum Voltage	0.0051	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Note: Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4V.



LTE Band 41

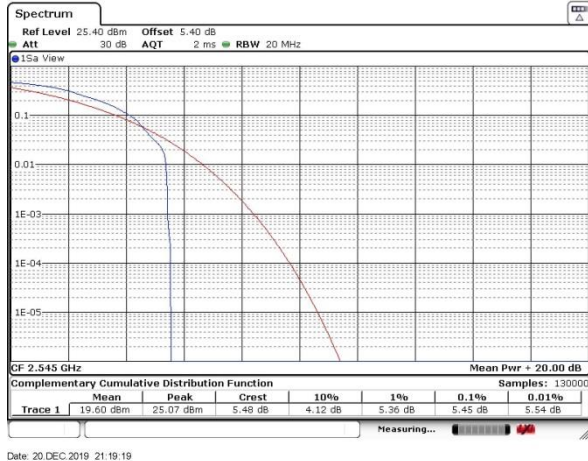
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.45	4.55	5.48	5.71	PASS
Middle CH	3.97	4.81	6.72	6.20	
Highest CH	3.71	6.38	5.68	6.06	
Mod.	64QAM		Limit: 13dB		
RB Size	1RB	Full RB	Result		
Lowest CH	6.12	5.71	PASS		
Middle CH	6.75	6.17			
Highest CH	5.62	6.29			

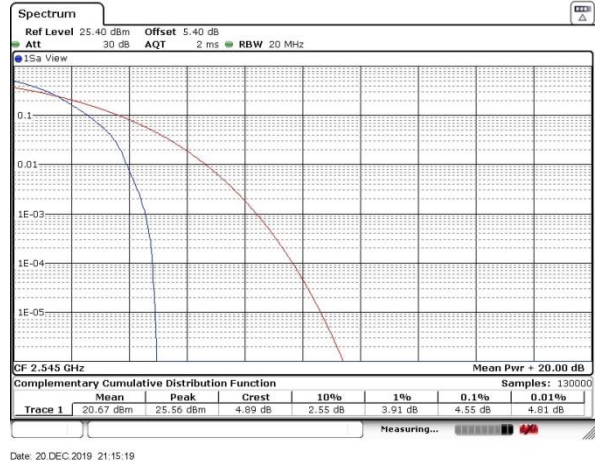


LTE Band 41 / 20MHz / QPSK

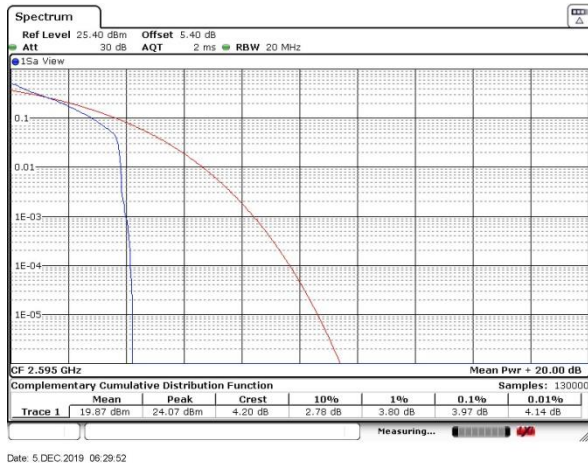
Lowest Channel / 1RB



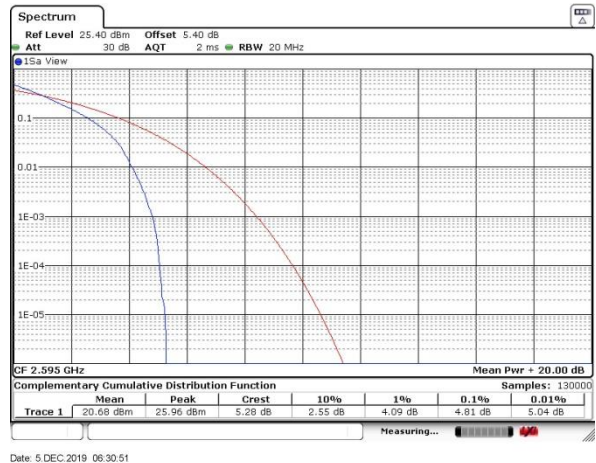
Lowest Channel / Full RB



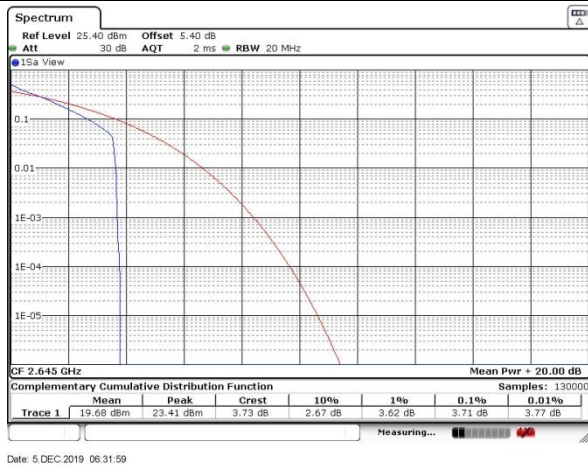
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

