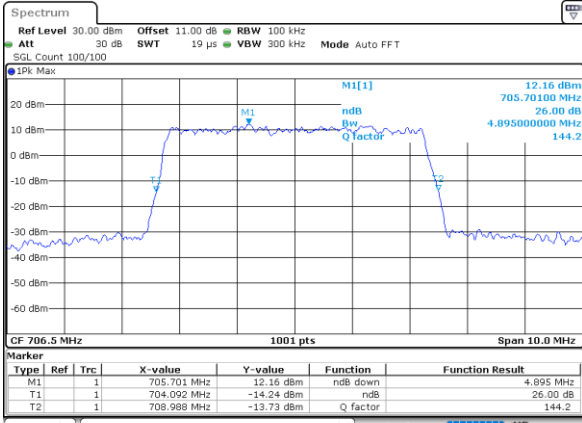


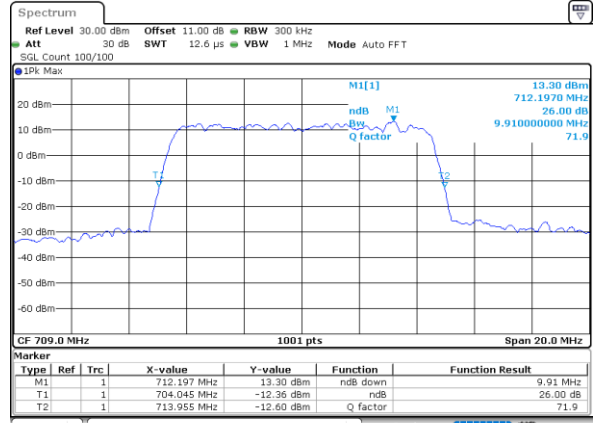


LTE Band 17

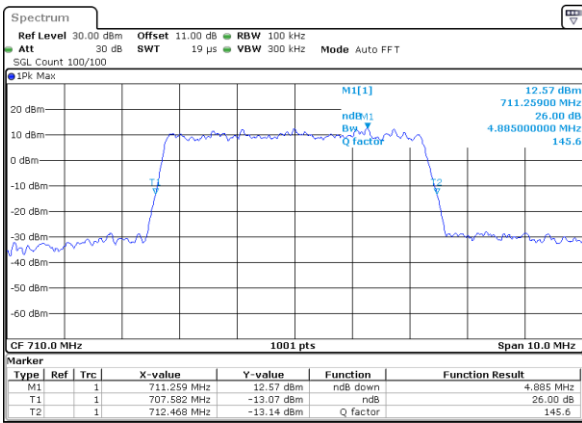
Lowest Channel / 5MHz / 256QAM



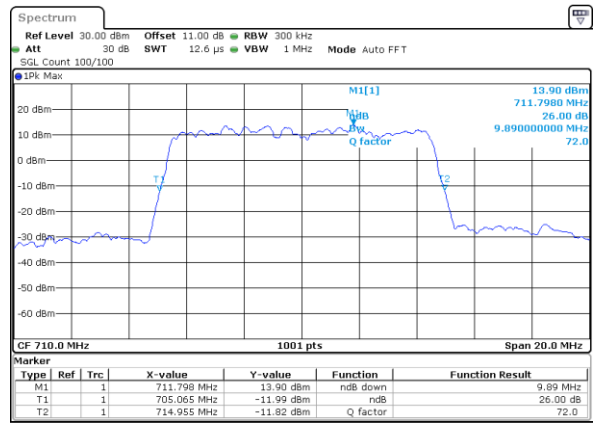
Lowest Channel / 10MHz / 256QAM



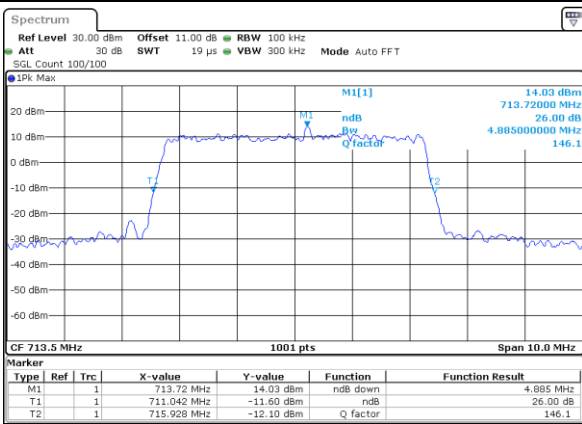
Middle Channel / 5MHz / 256QAM



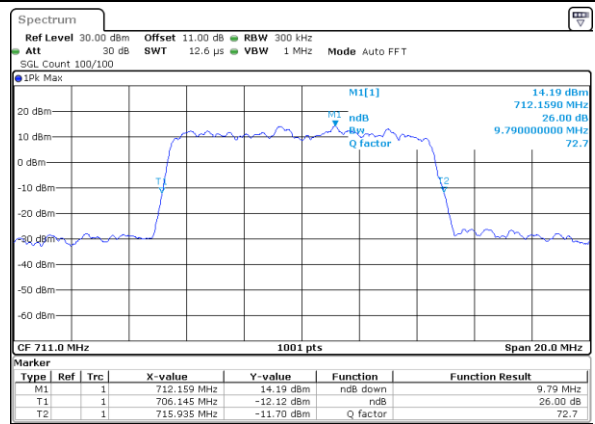
Middle Channel / 10MHz / 256QAM



Highest Channel / 5MHz / 256QAM



Highest Channel / 10MHz / 256QAM



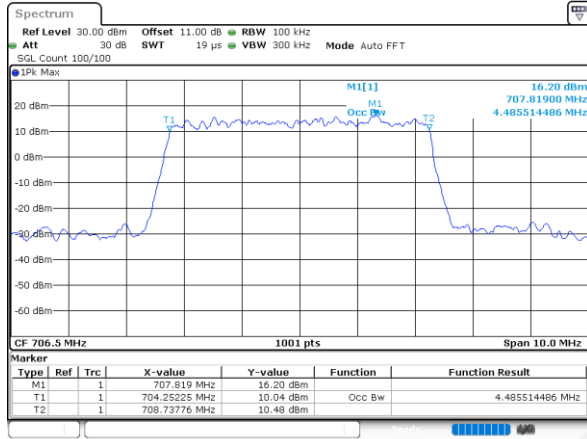
**Occupied Bandwidth**

Mode	LTE Band 17 : 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	-	-	-	-	4.49	4.49	9.07	8.99	-	-	-	-
Middle CH	-	-	-	-	4.50	4.47	9.01	9.01	-	-	-	-
Highest CH	-	-	-	-	4.49	4.49	9.01	8.97	-	-	-	-
Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	-	-	-	-	4.49	4.49	9.01	8.99	-	-	-	-
Middle CH	-	-	-	-	4.48	4.48	9.03	8.99	-	-	-	-
Highest CH	-	-	-	-	4.50	4.48	9.03	8.97	-	-	-	-



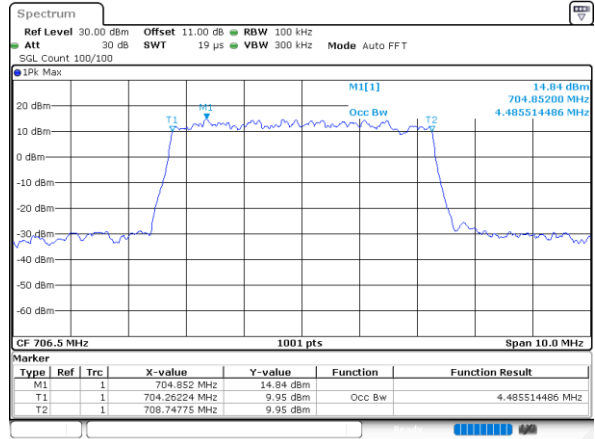
LTE Band 17

Lowest Channel / 5MHz / QPSK



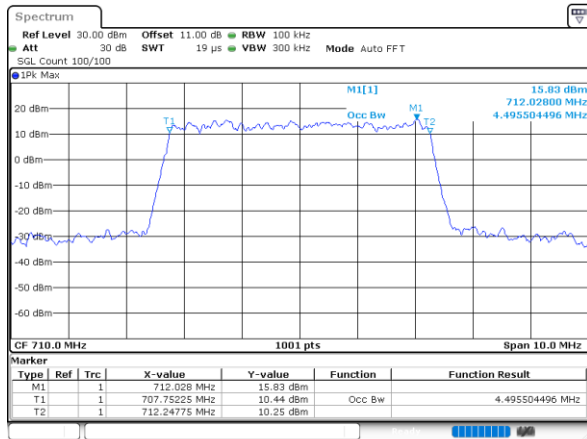
Date: 18.AUG.2020 13:12:40

Lowest Channel / 5MHz / 16QAM



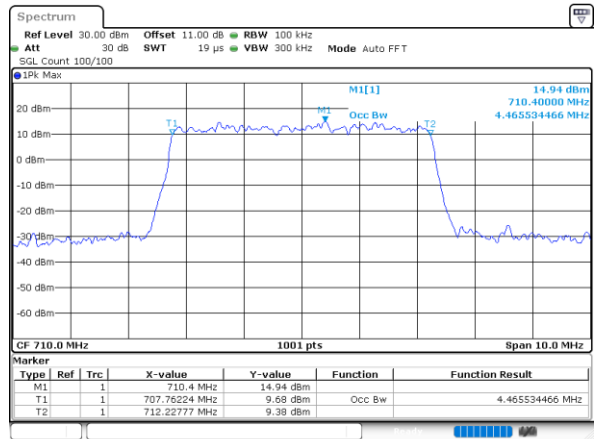
Date: 18.AUG.2020 13:12:52

Middle Channel / 5MHz / QPSK



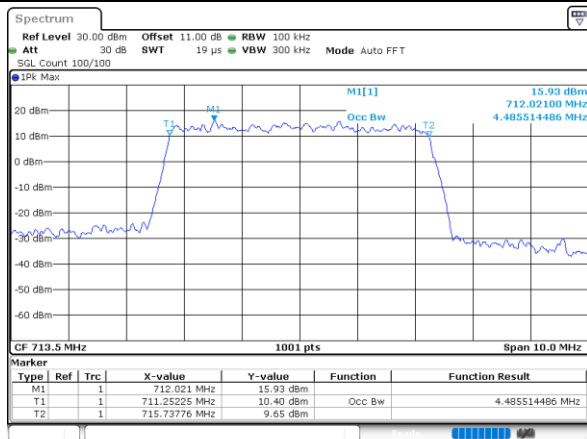
Date: 18.AUG.2020 13:17:42

Middle Channel / 5MHz / 16QAM



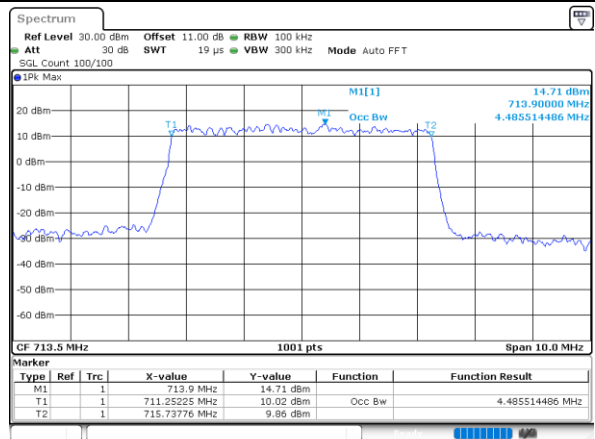
Date: 18.AUG.2020 13:17:53

Highest Channel / 5MHz / QPSK



Date: 18.AUG.2020 13:19:46

Highest Channel / 5MHz / 16QAM

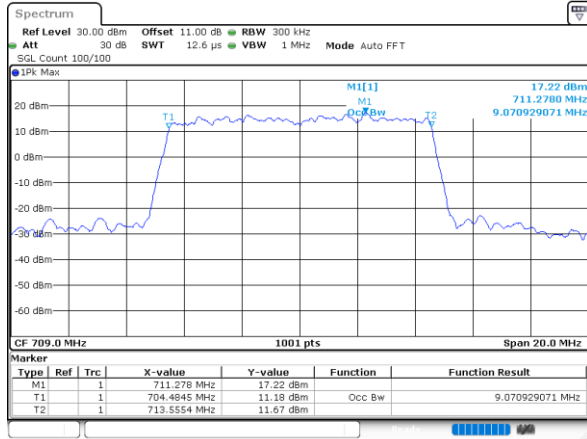


Date: 18.AUG.2020 13:19:59

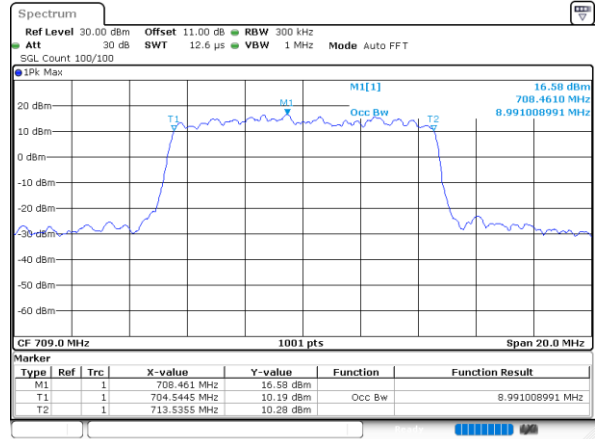


LTE Band 17

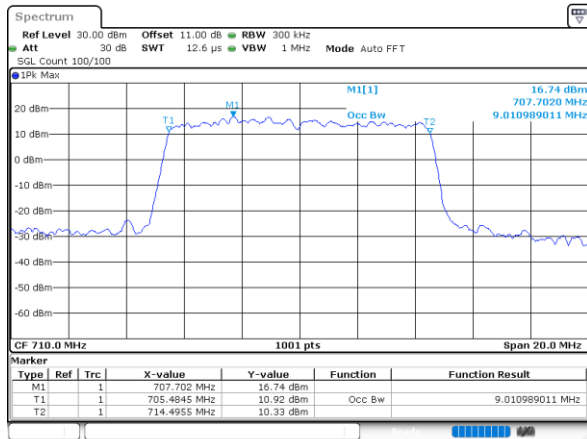
Lowest Channel / 10MHz / QPSK



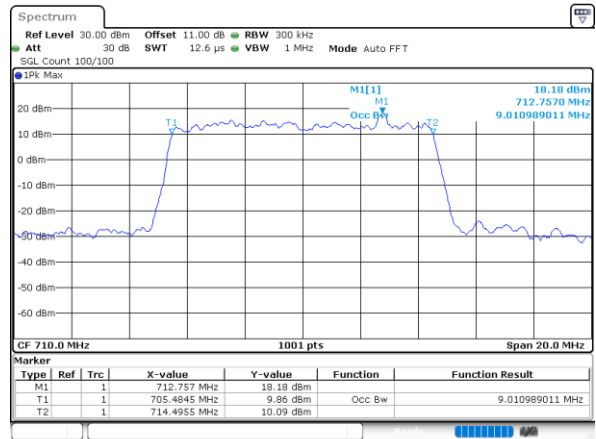
Lowest Channel / 10MHz / 16QAM



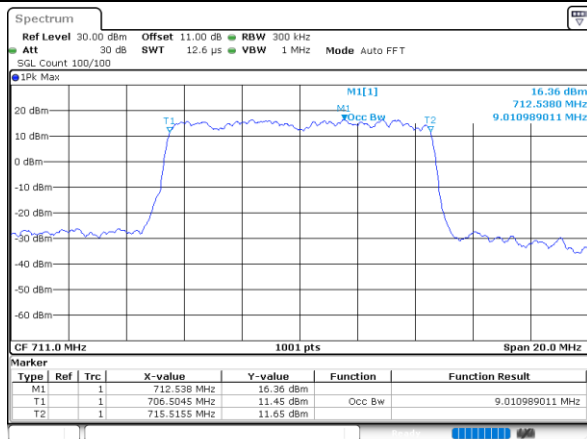
Middle Channel / 10MHz / QPSK



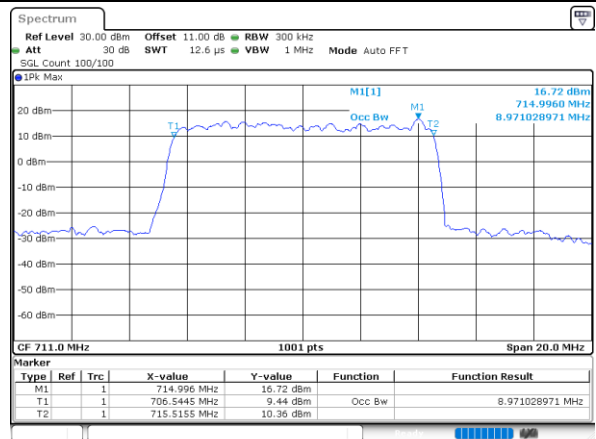
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



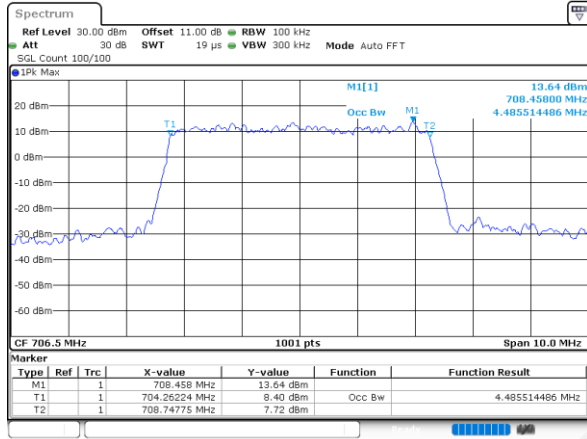
Highest Channel / 10MHz / 16QAM



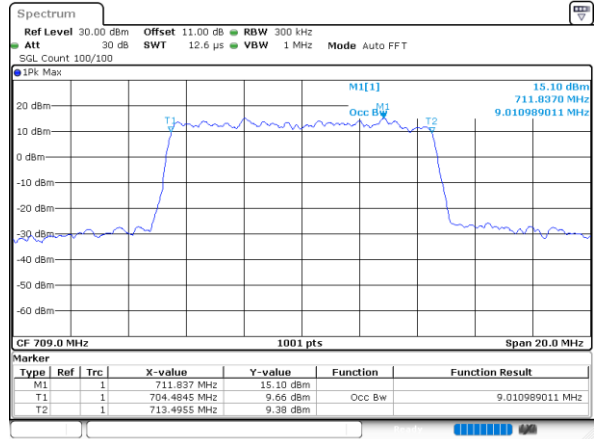


LTE Band 17

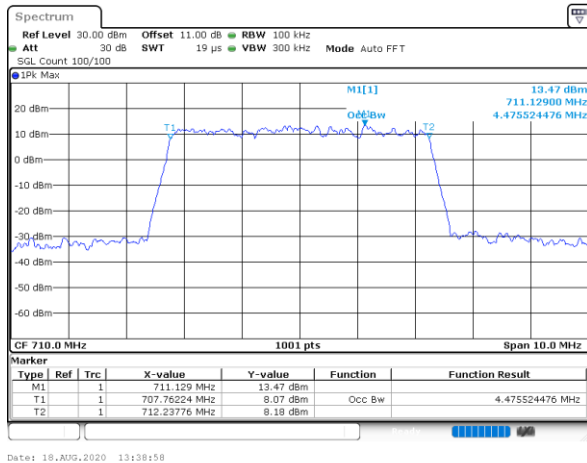
Lowest Channel / 5MHz / 64QAM



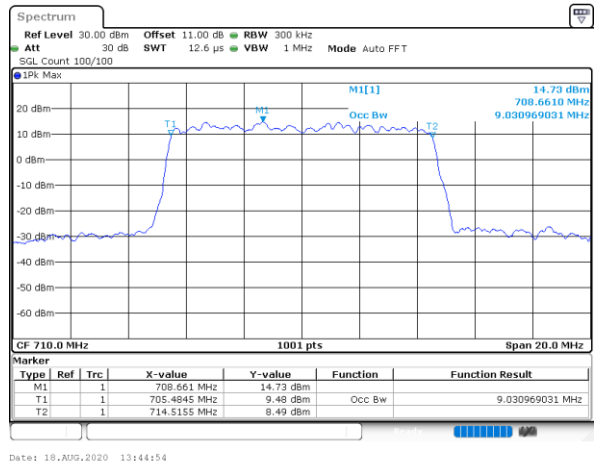
Lowest Channel / 10MHz / 64QAM



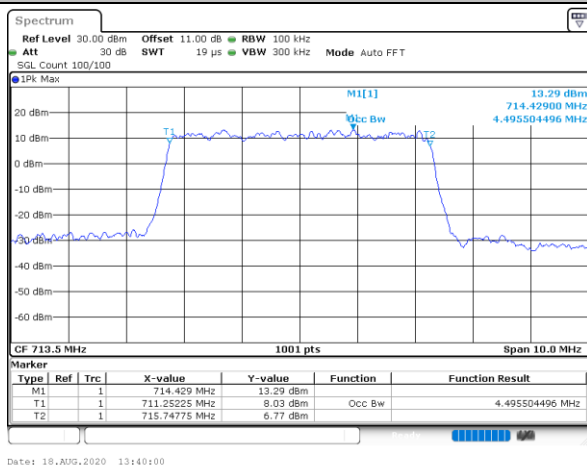
Middle Channel / 5MHz / 64QAM



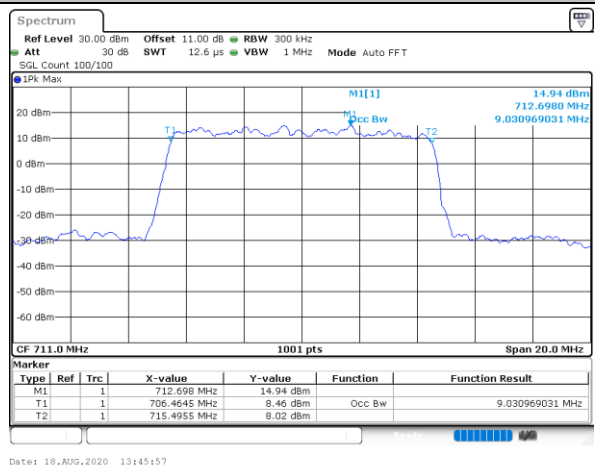
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



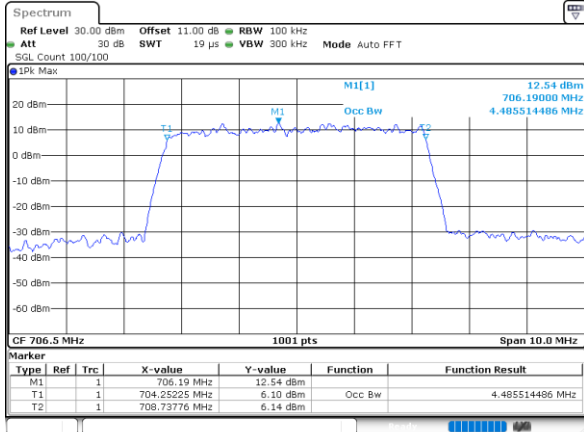
Highest Channel / 10MHz / 64QAM



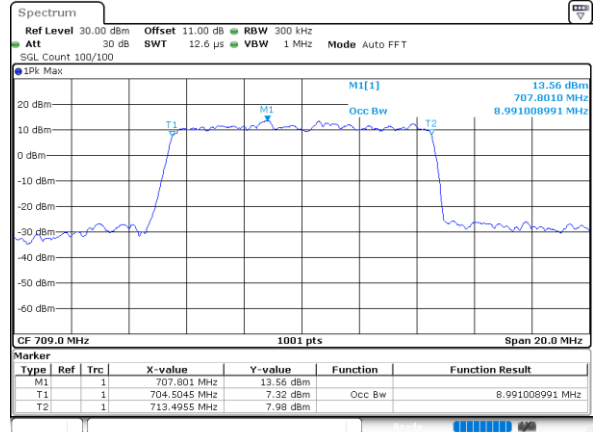


LTE Band 17

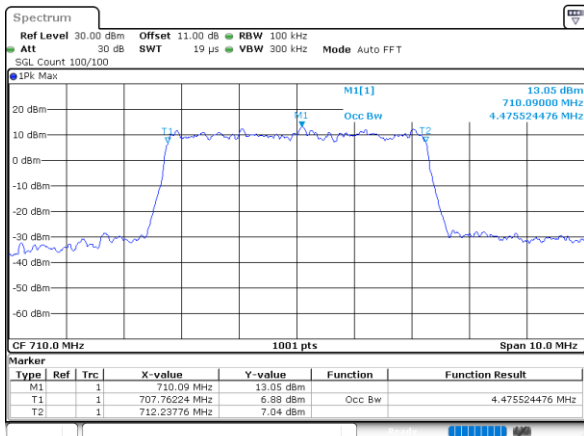
Lowest Channel / 5MHz / 256QAM



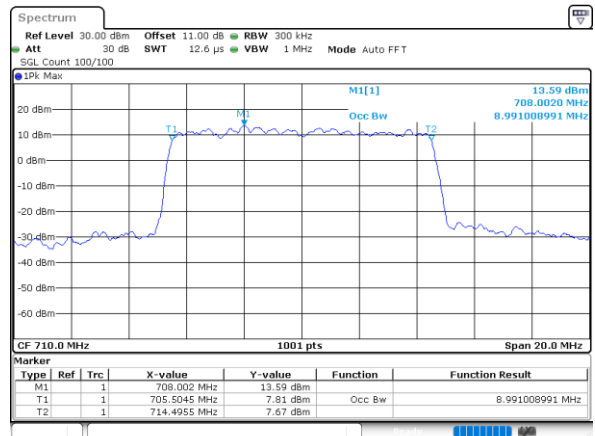
Lowest Channel / 10MHz / 256QAM



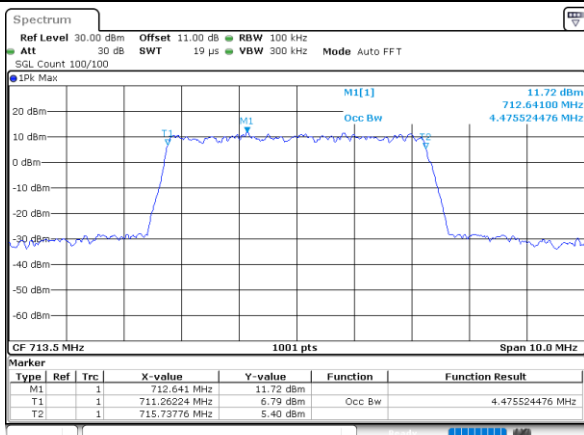
Middle Channel / 5MHz / 256QAM



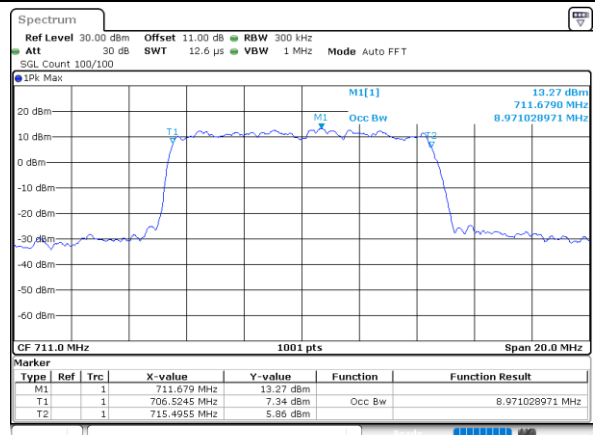
Middle Channel / 10MHz / 256QAM

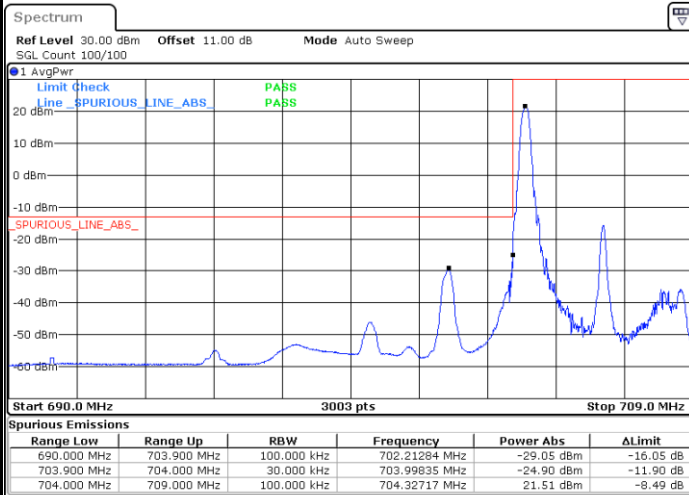
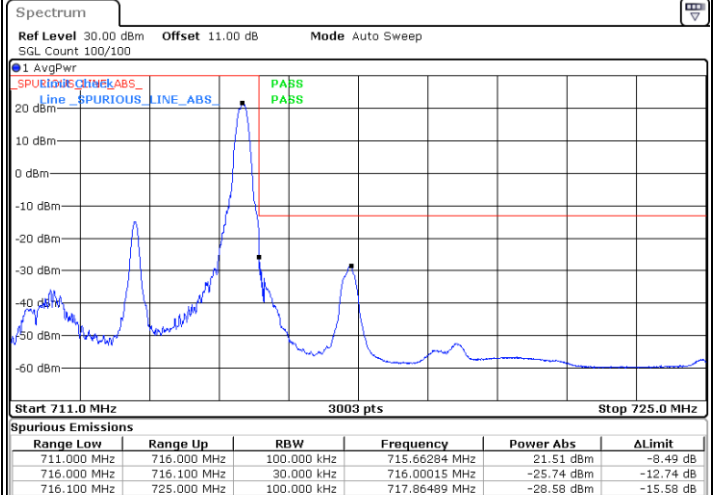
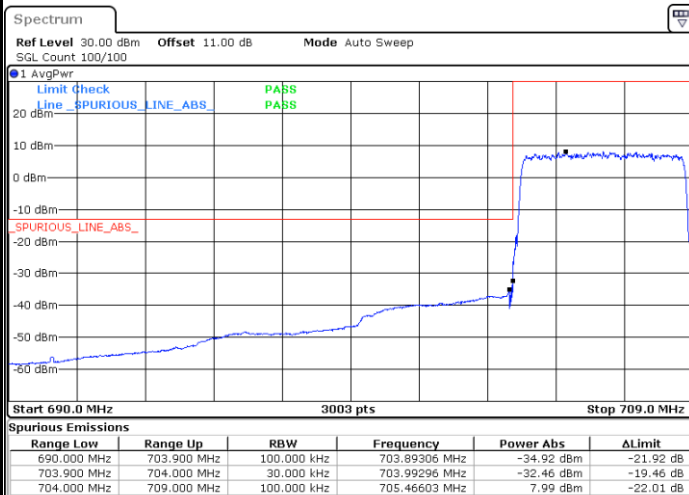
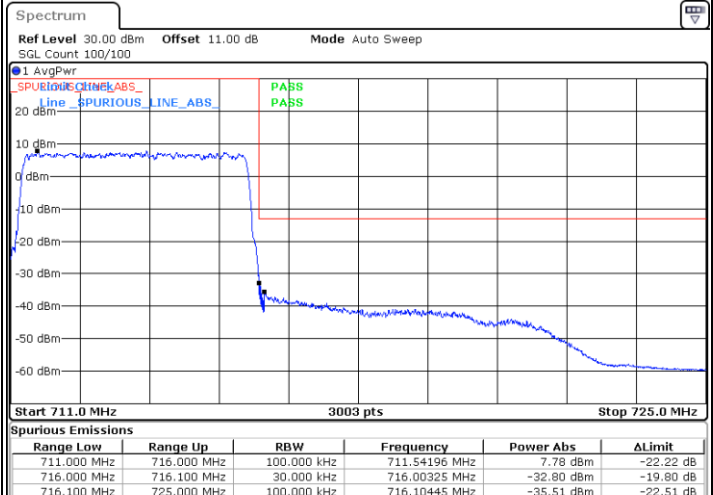


Highest Channel / 5MHz / 256QAM



Highest Channel / 10MHz / 256QAM

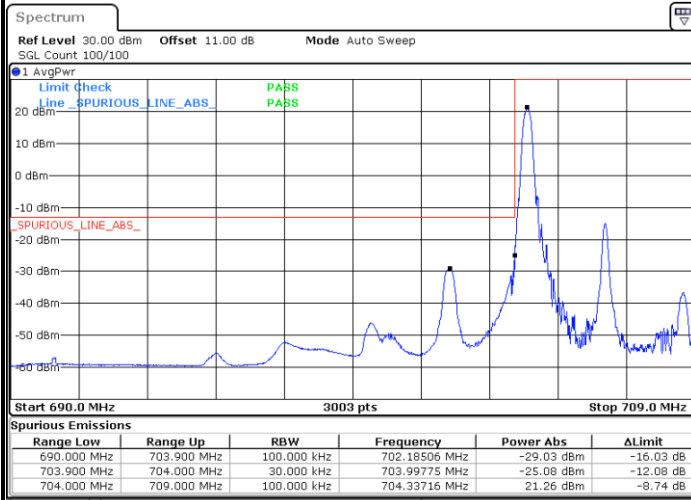


**Conducted Band Edge****LTE Band 17 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

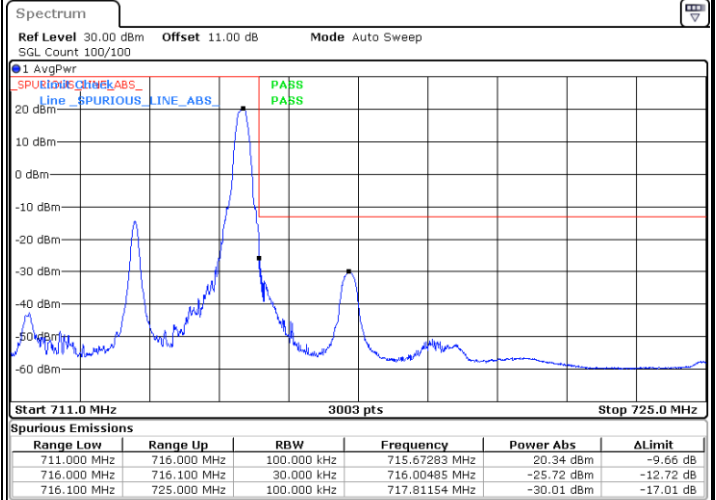


LTE Band 17 / 5MHz / 16QAM

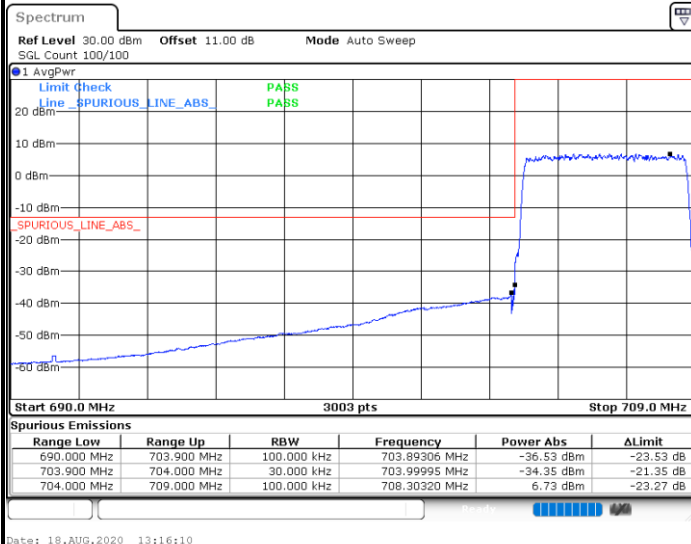
Lowest Band Edge / 1 RB



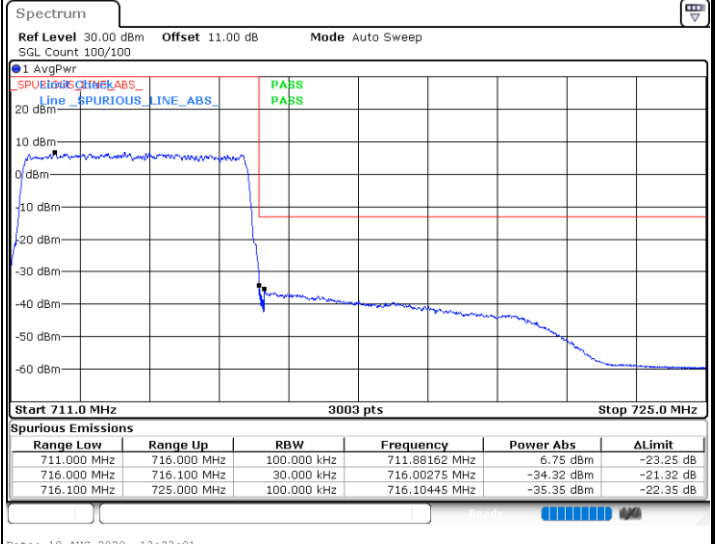
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



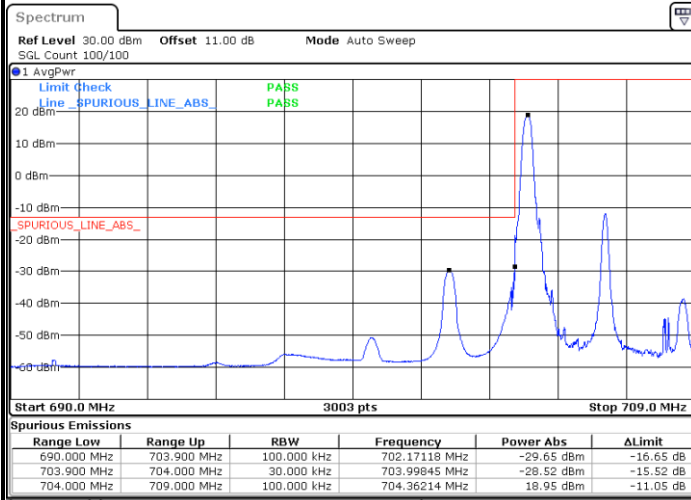
Highest Band Edge / Full RB



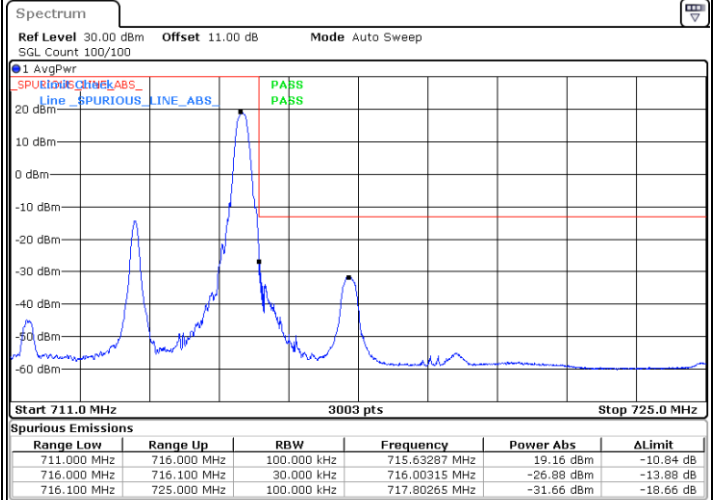


LTE Band 17 / 5MHz / 64QAM

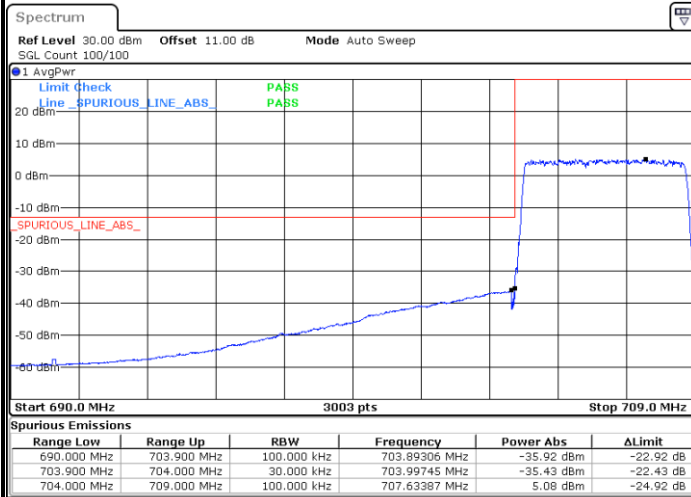
Lowest Band Edge / 1 RB



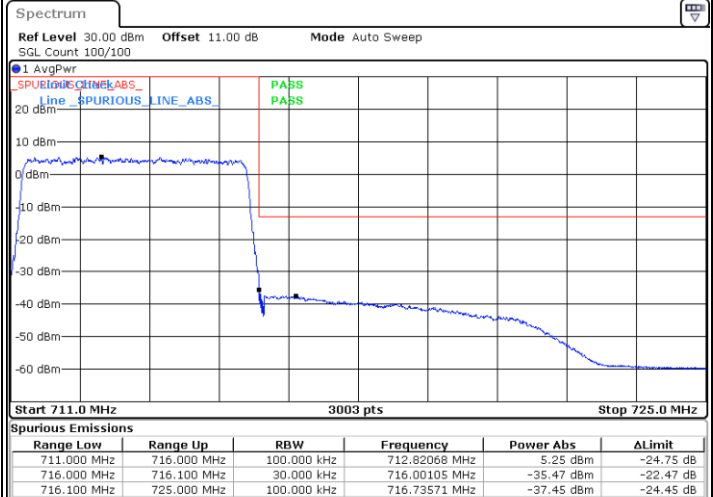
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



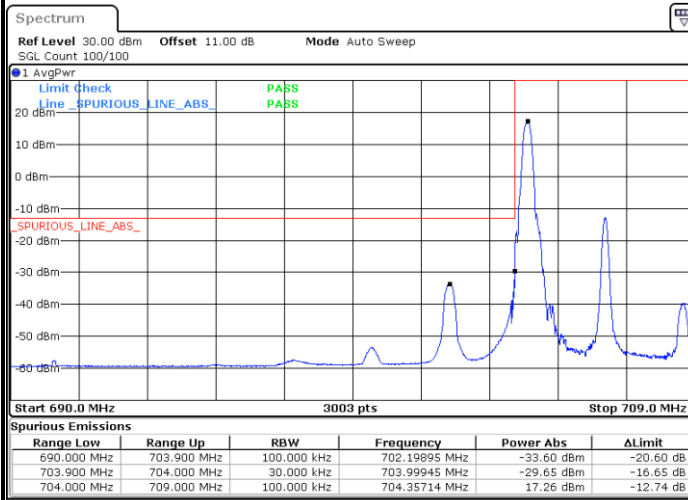
Highest Band Edge / Full RB



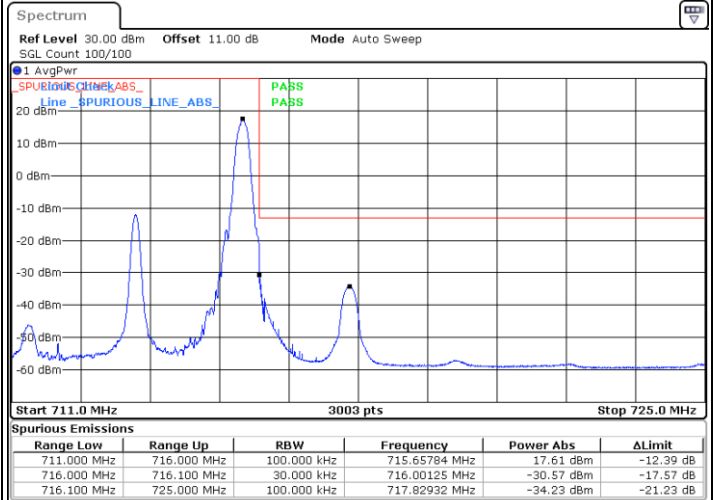


LTE Band 17 / 5MHz / 256QAM

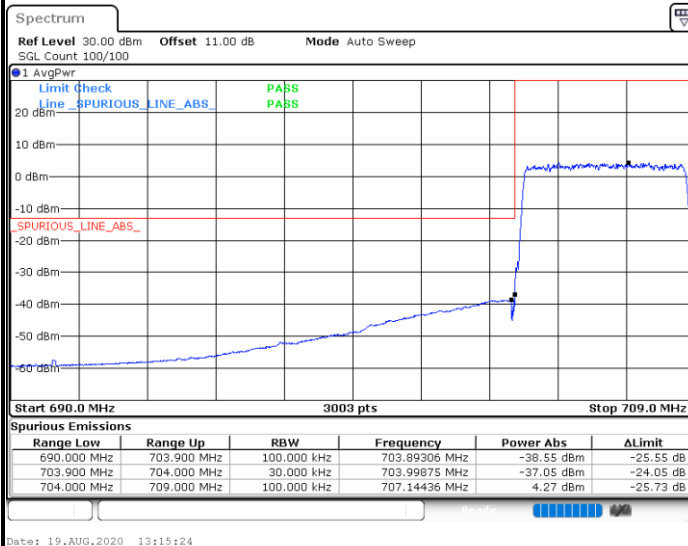
Lowest Band Edge / 1 RB



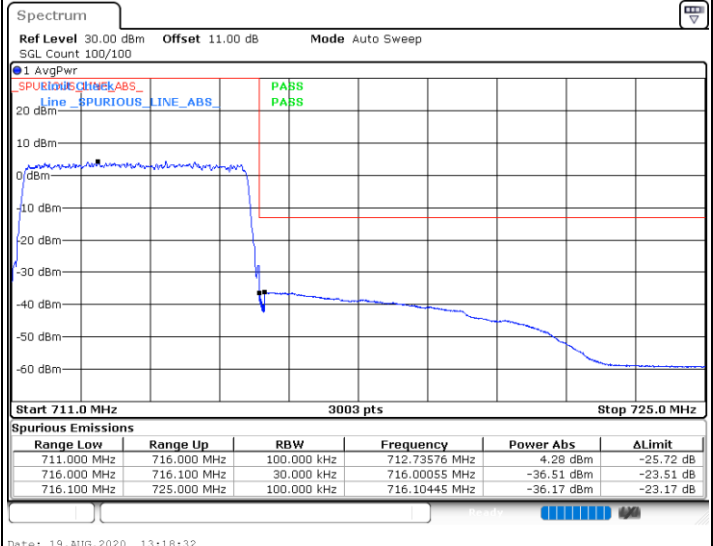
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



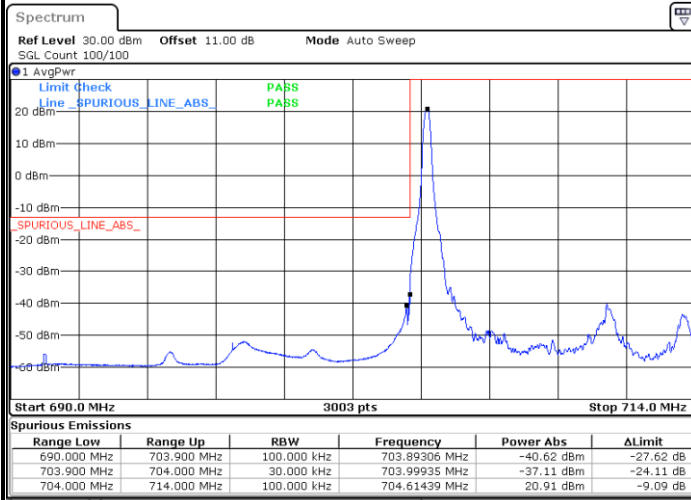
Highest Band Edge / Full RB



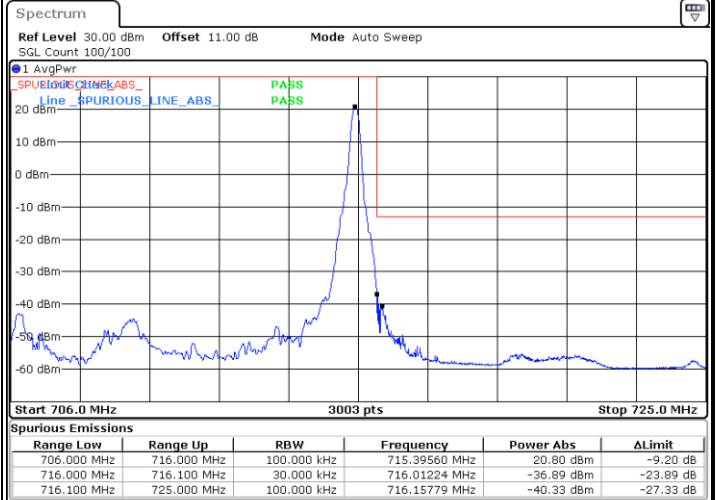


LTE Band 17 / 10MHz / QPSK

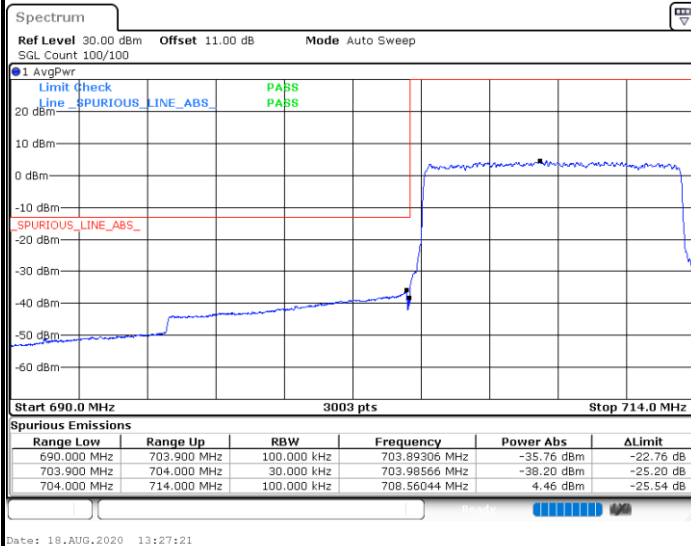
Lowest Band Edge / 1 RB



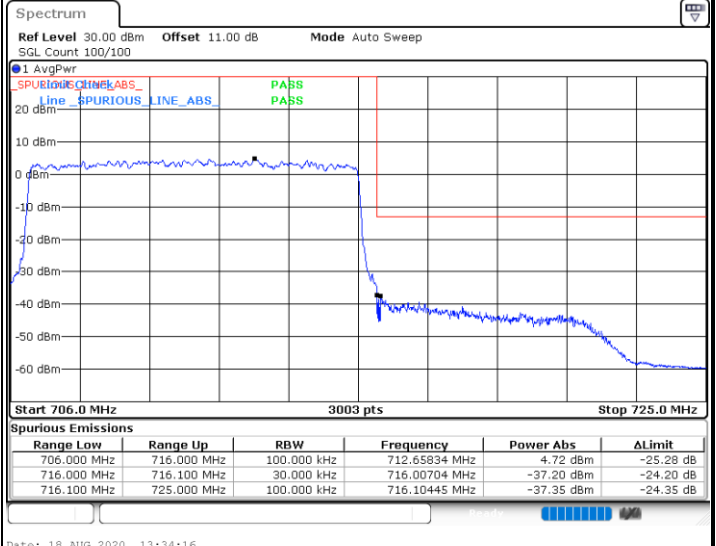
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



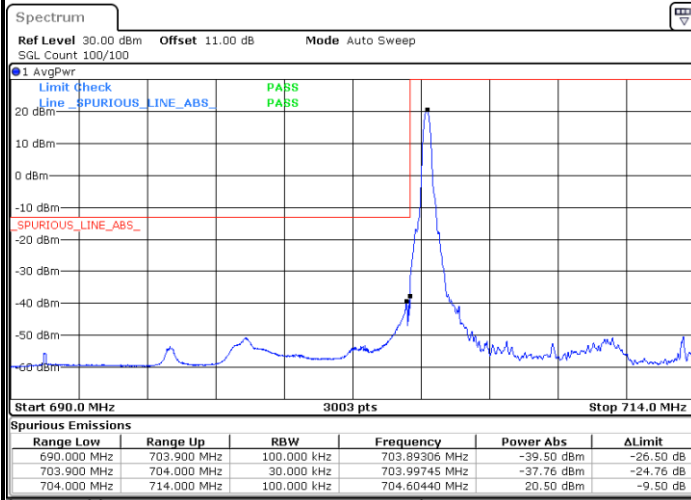
Highest Band Edge / Full RB



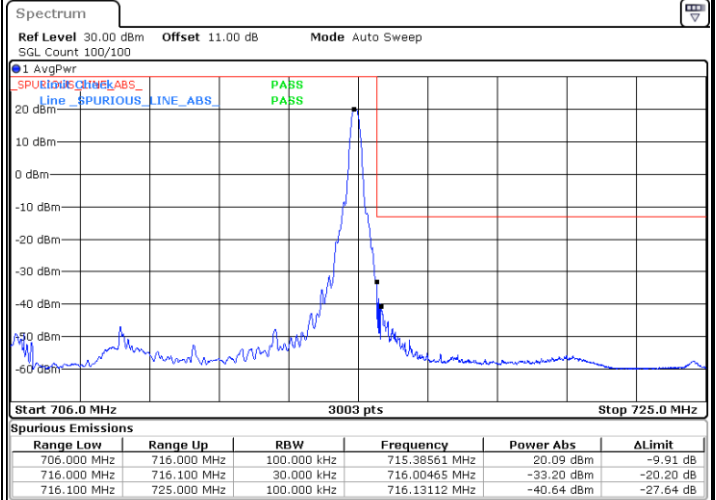


LTE Band 17 / 10MHz / 16QAM

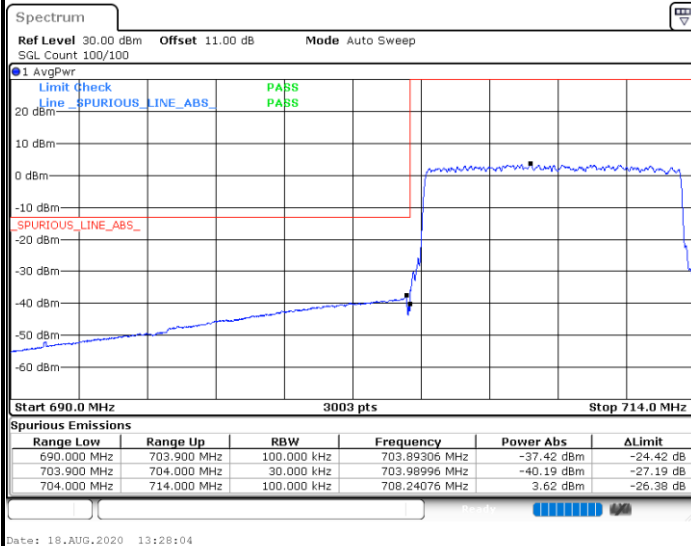
Lowest Band Edge / 1 RB



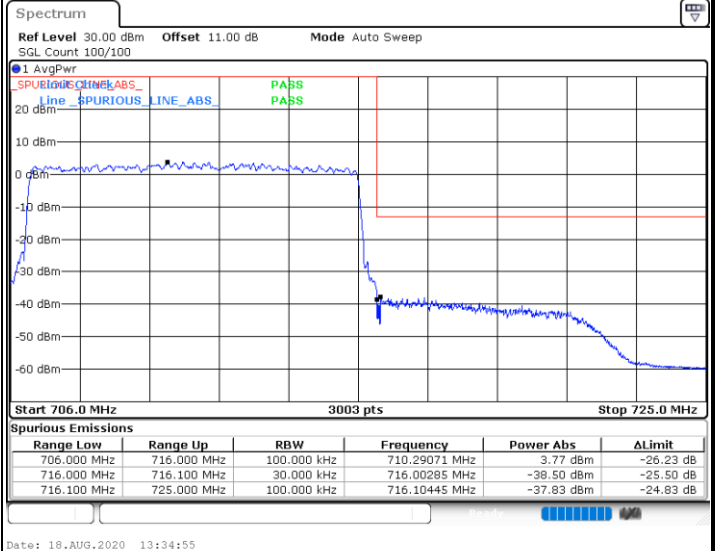
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



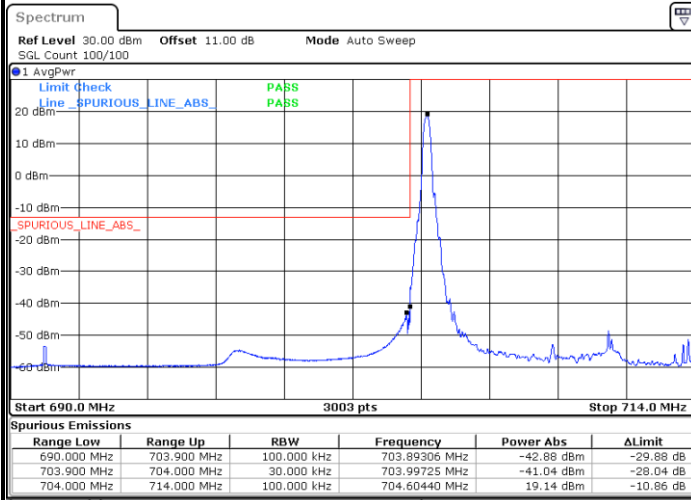
Highest Band Edge / Full RB



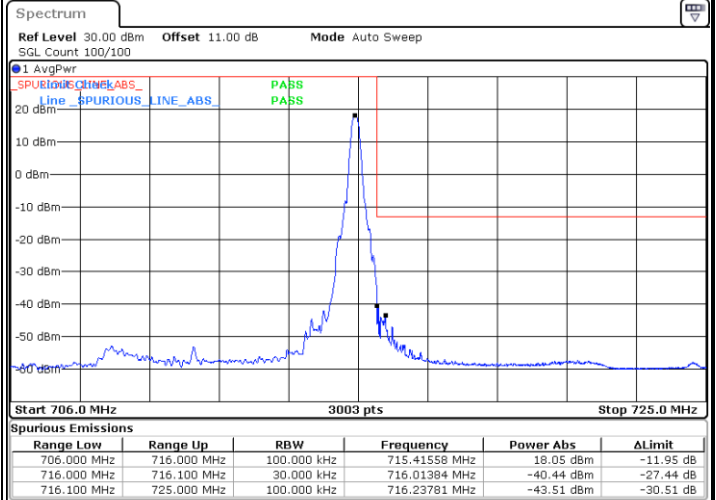


LTE Band 17 / 10MHz / 64QAM

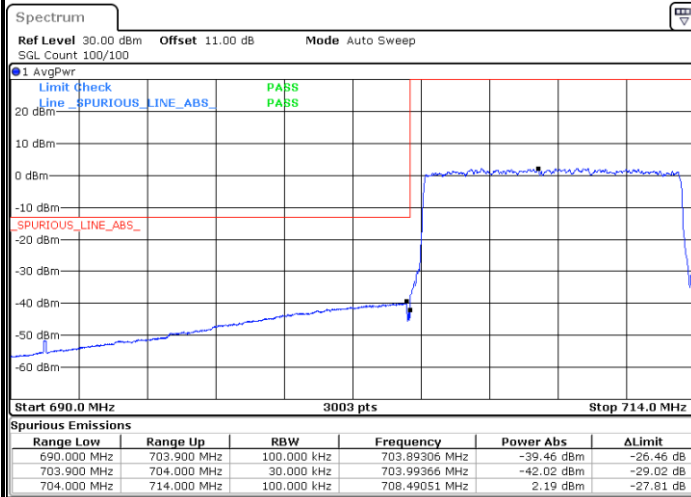
Lowest Band Edge / 1 RB



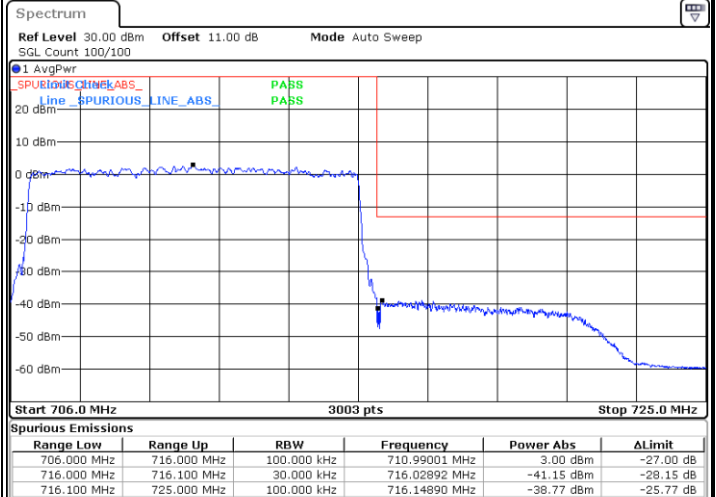
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



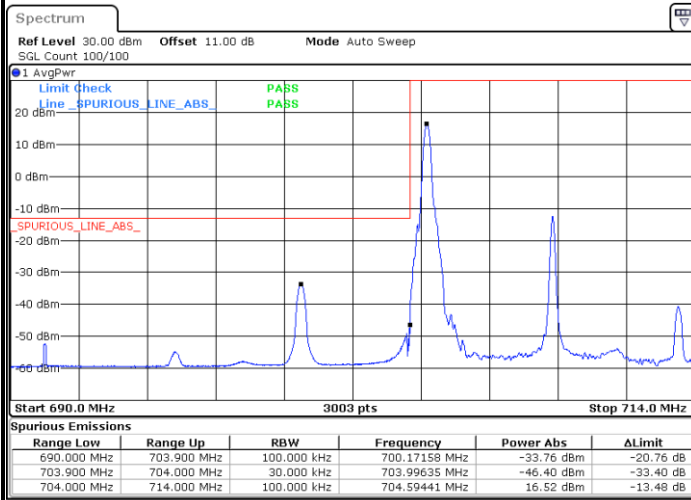
Highest Band Edge / Full RB



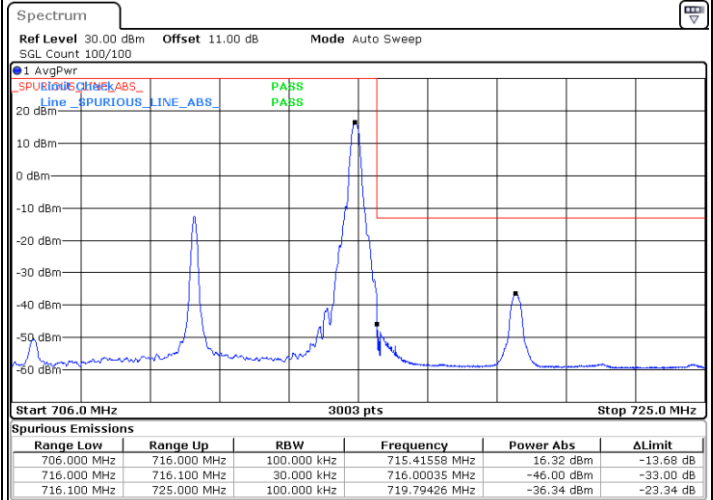


LTE Band 17 / 10MHz / 256QAM

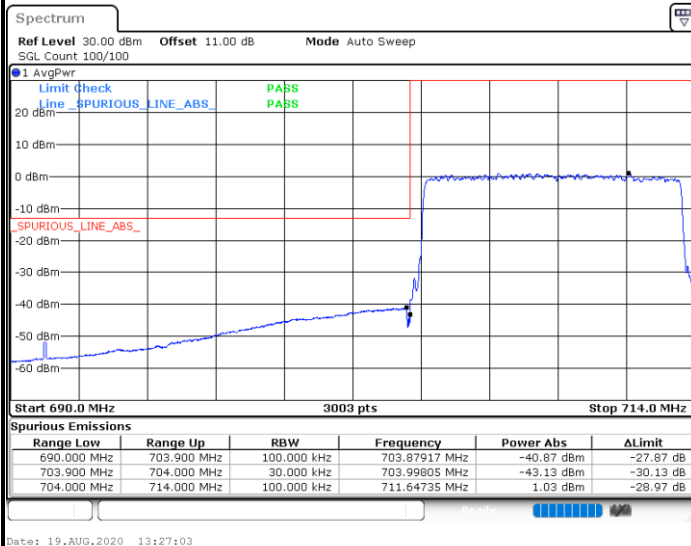
Lowest Band Edge / 1 RB



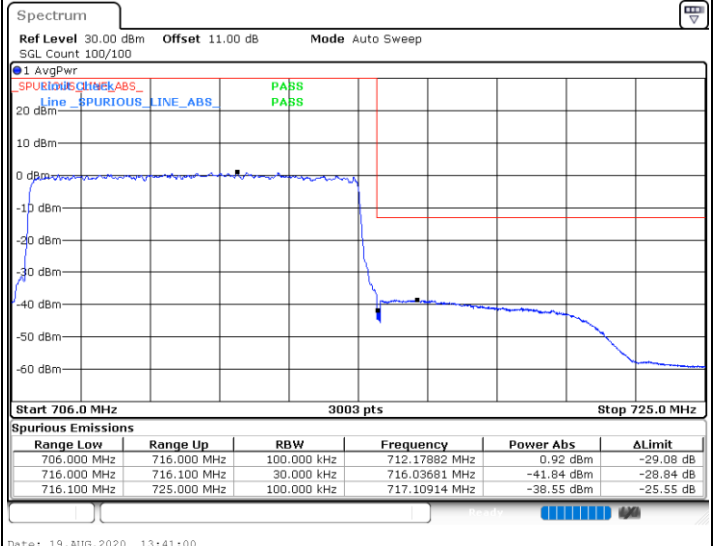
Highest Band Edge / 1 RB

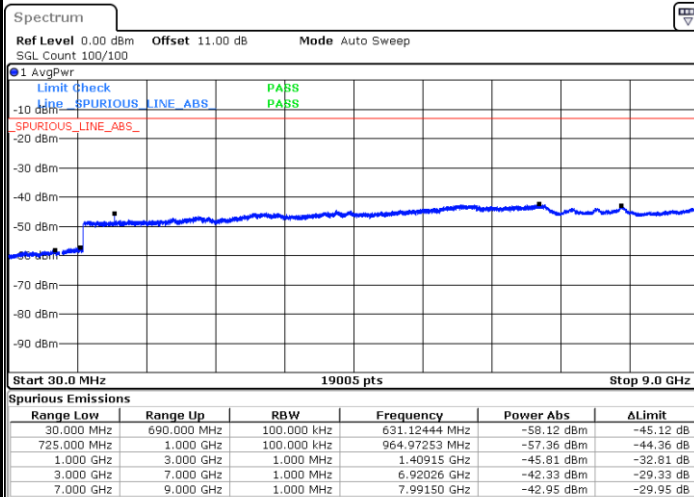
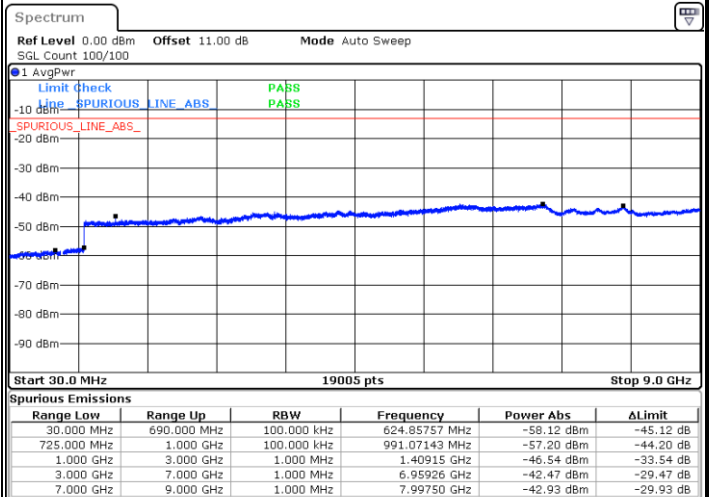
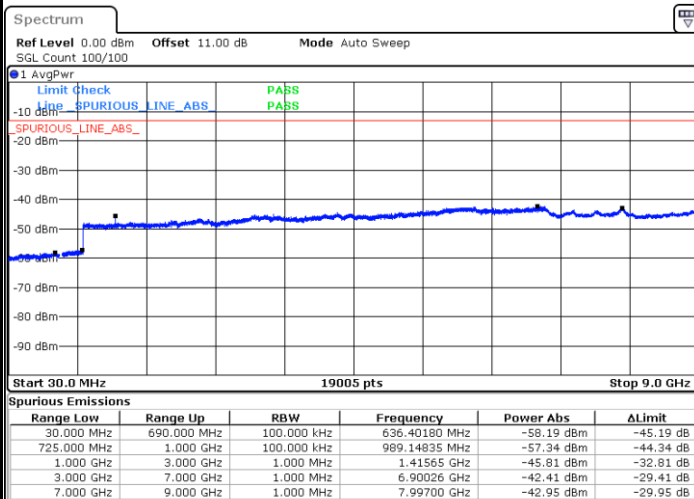
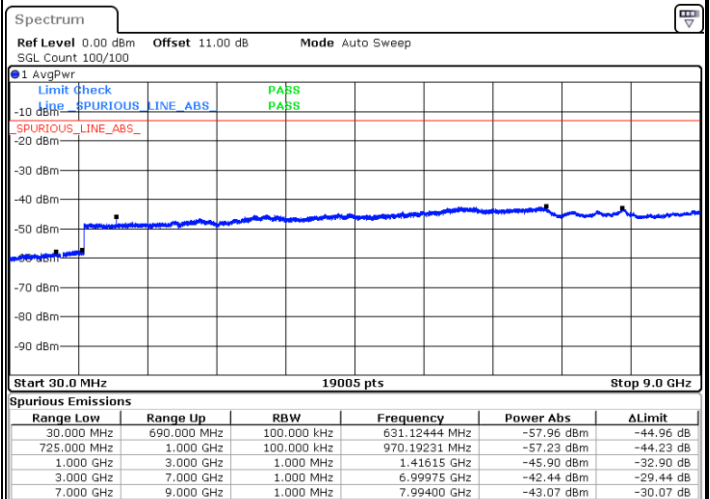


Lowest Band Edge / Full RB



Highest Band Edge / Full RB

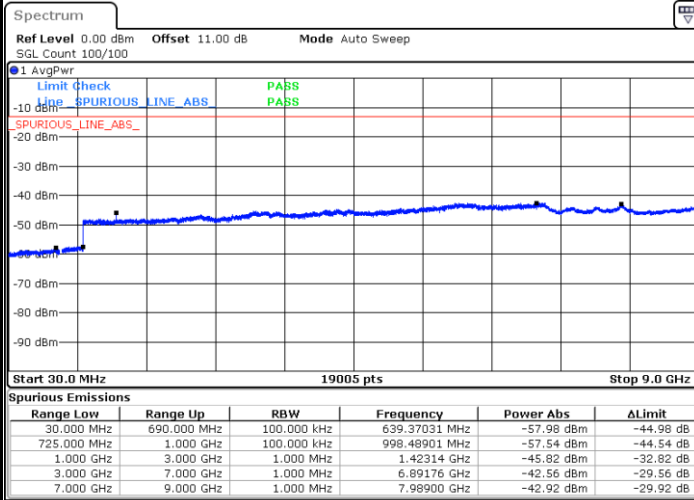


**Conducted Spurious Emission****LTE Band 17 / 5MHz****Lowest Channel / QPSK****Lowest Channel / 16QAM****Middle Channel / QPSK****Middle Channel / 16QAM**



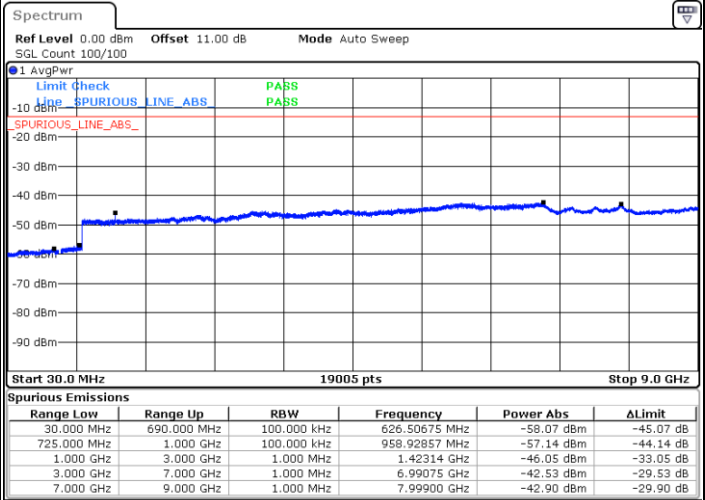
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 18.AUG.2020 13:23:42

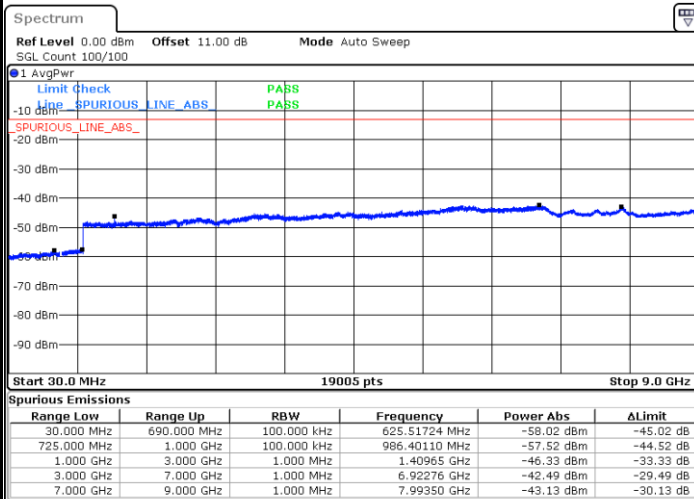
Highest Channel / 16QAM



Date: 18.AUG.2020 13:24:22

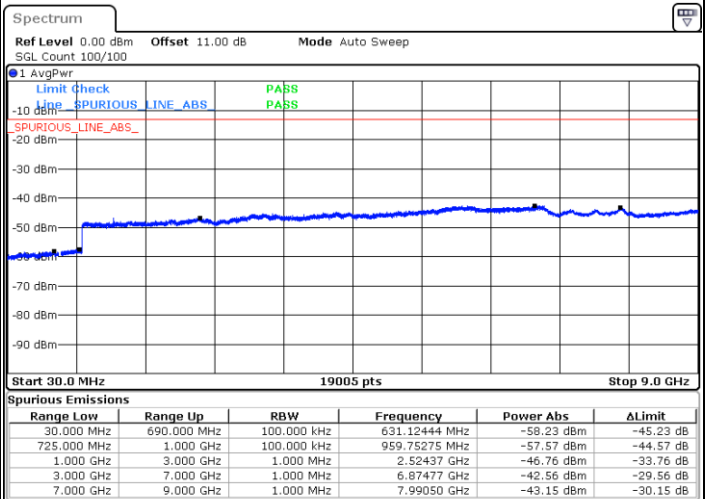
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 18.AUG.2020 13:28:45

Lowest Channel / 16QAM

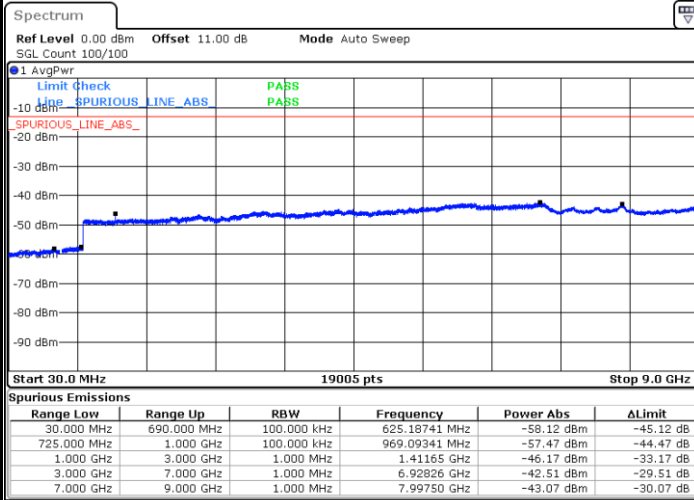


Date: 18.AUG.2020 13:29:25



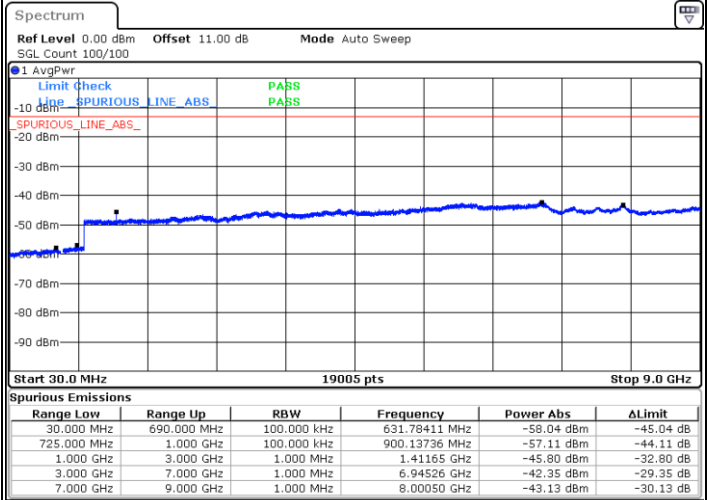
LTE Band 17 / 10MHz

Middle Channel / QPSK



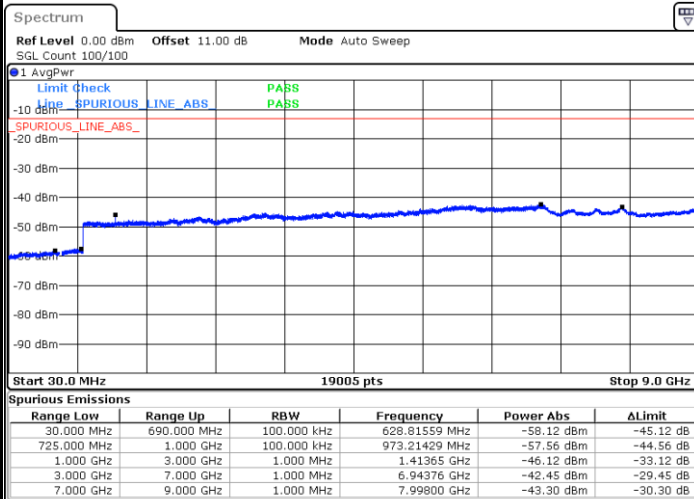
Date: 18.AUG.2020 13:30:50

Middle Channel / 16QAM



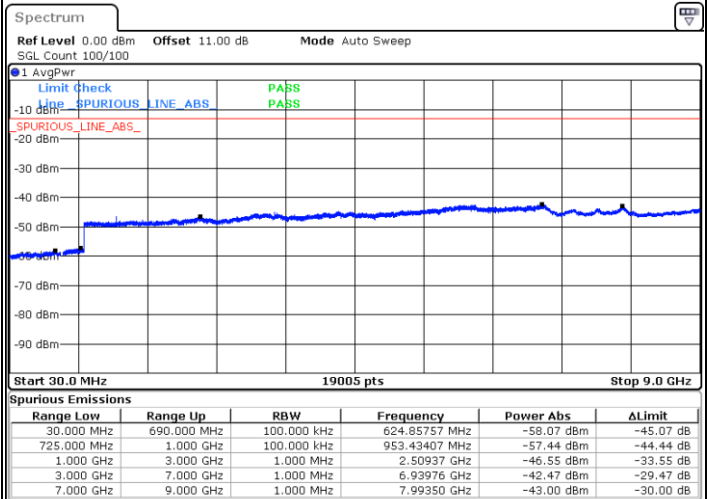
Date: 18.AUG.2020 13:31:29

Highest Channel / QPSK



Date: 18.AUG.2020 13:35:36

Highest Channel / 16QAM

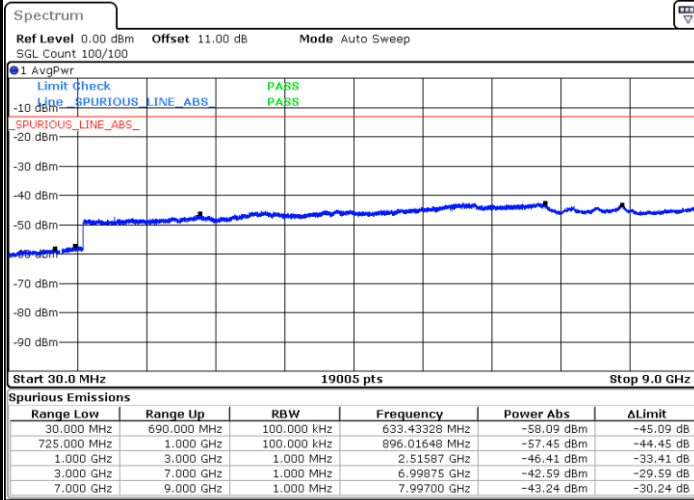


Date: 18.AUG.2020 13:36:16



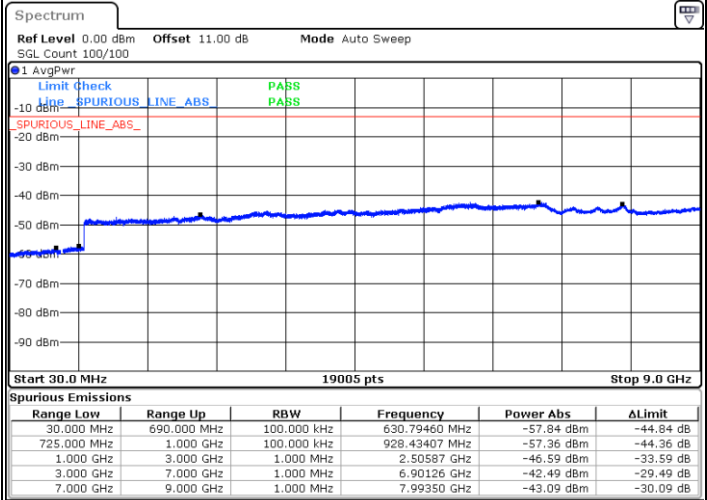
LTE Band 17 / 5MHz

Lowest Channel / 64QAM



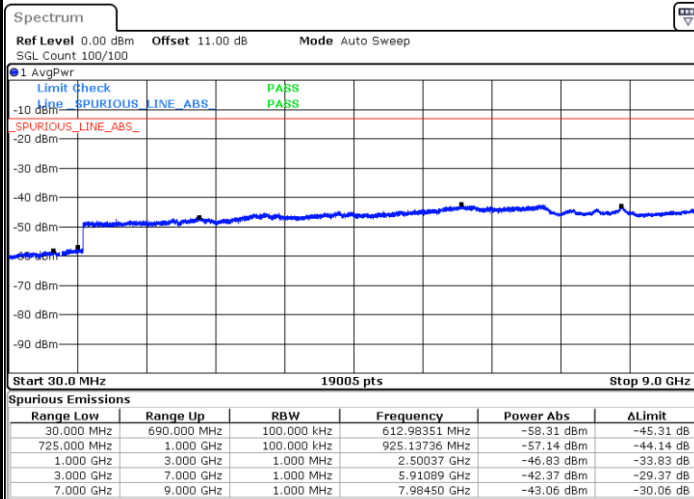
Date: 18.AUG.2020 13:38:47

Middle Channel / 64QAM



Date: 18.AUG.2020 13:39:49

Highest Channel / 64QAM

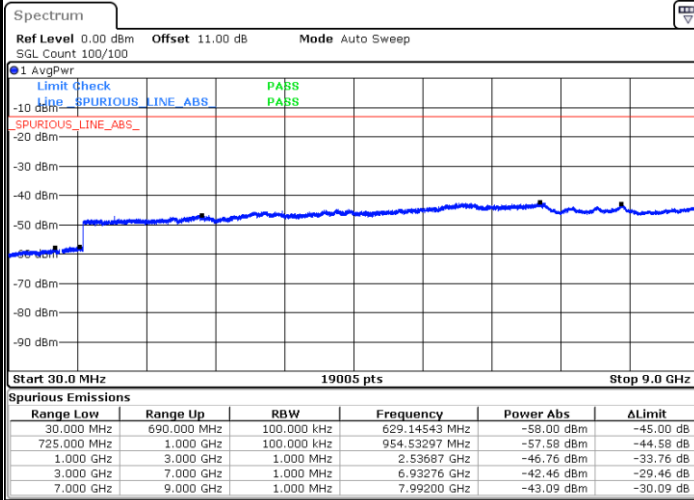


Date: 18.AUG.2020 13:42:12



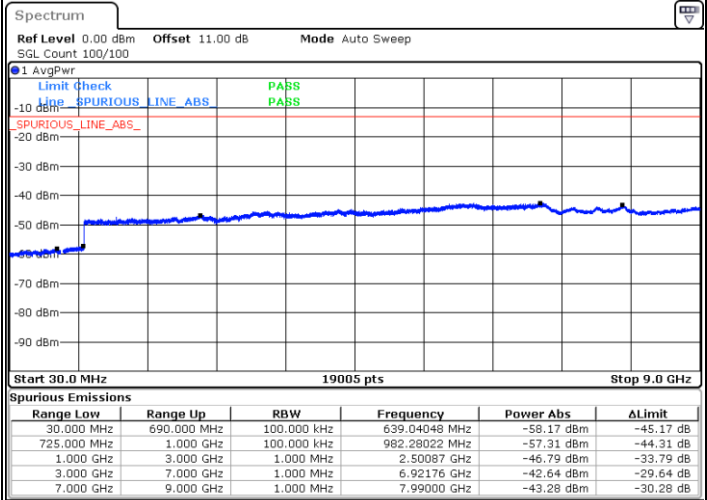
LTE Band 17 / 10MHz

Lowest Channel / 64QAM



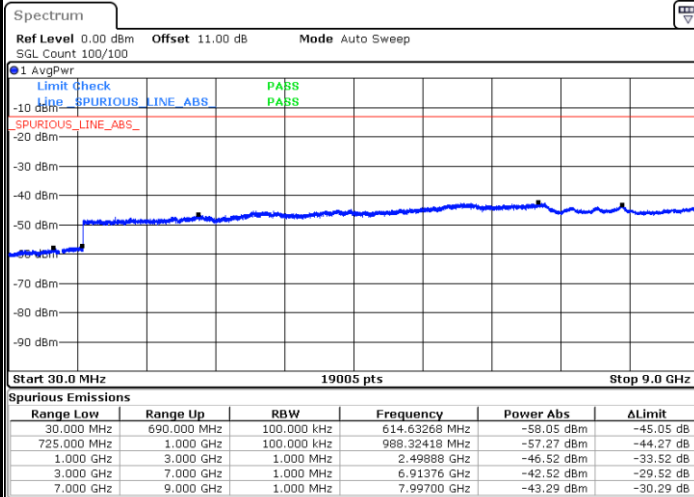
Date: 18.AUG.2020 13:44:43

Middle Channel / 64QAM



Date: 18.AUG.2020 13:45:45

Highest Channel / 64QAM

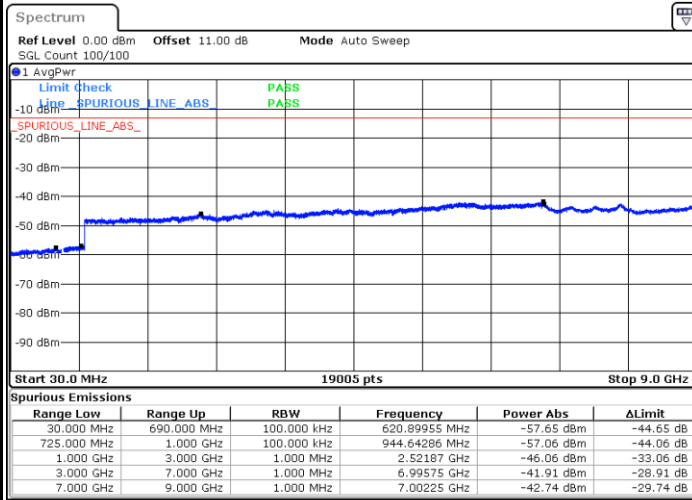


Date: 18.AUG.2020 13:48:08



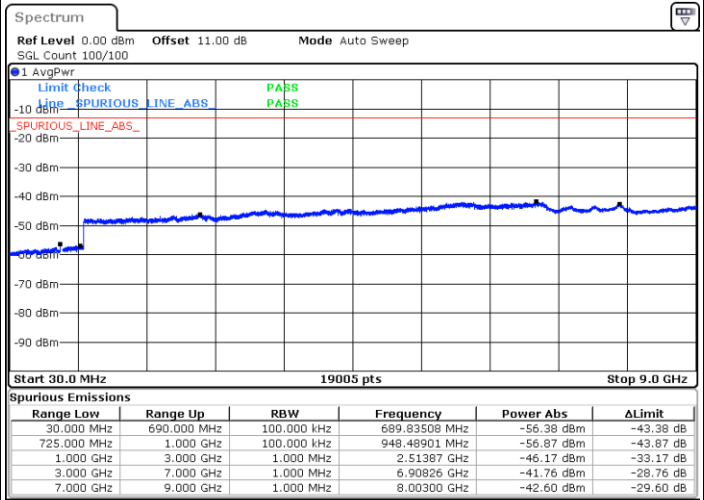
LTE Band 17 / 5MHz

Lowest Channel / 256QAM



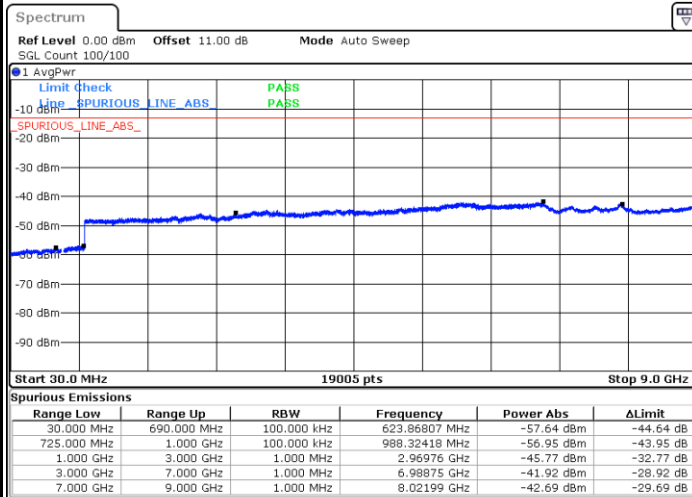
Date: 19.AUG.2020 13:16:51

Middle Channel / 256QAM



Date: 19.AUG.2020 13:13:53

Highest Channel / 256QAM

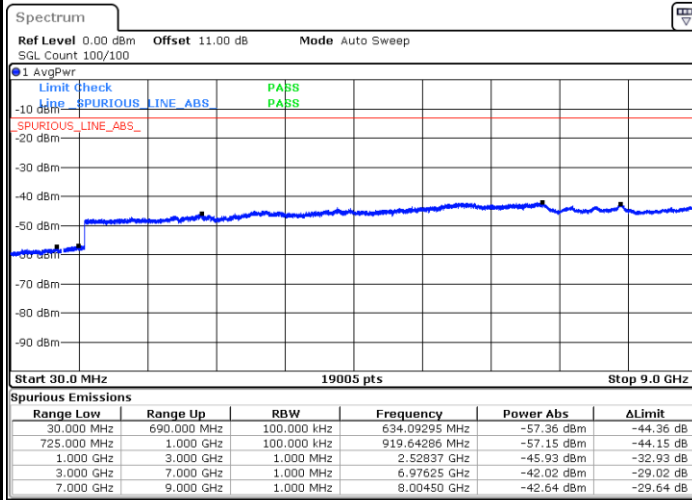


Date: 19.AUG.2020 13:19:26



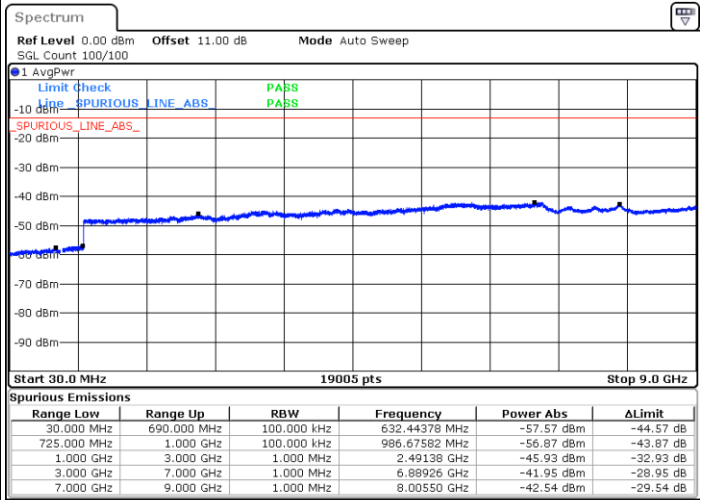
LTE Band 17 / 10MHz

Lowest Channel / 256QAM



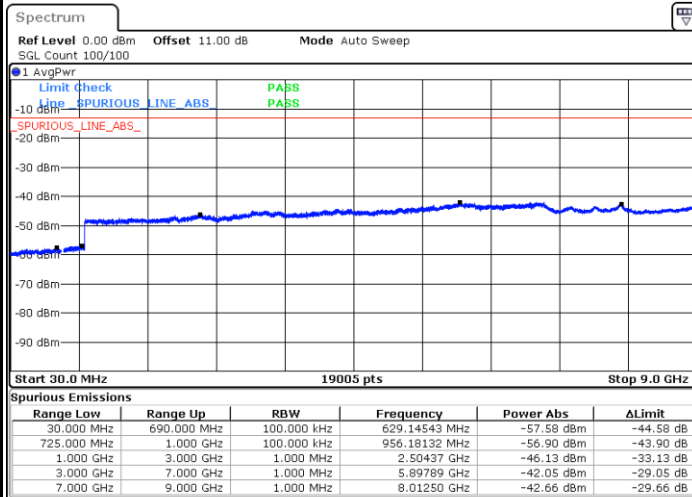
Date: 19.AUG.2020 13:38:33

Middle Channel / 256QAM



Date: 19.AUG.2020 13:24:50

Highest Channel / 256QAM



Date: 19.AUG.2020 13:41:55

Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0024	PASS
40	Normal Voltage	0.0093	
30	Normal Voltage	0.0187	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0104	
0	Normal Voltage	0.0100	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0237	
-30	Normal Voltage	0.0207	
20	Maximum Voltage	0.0069	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0018	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.25 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 25

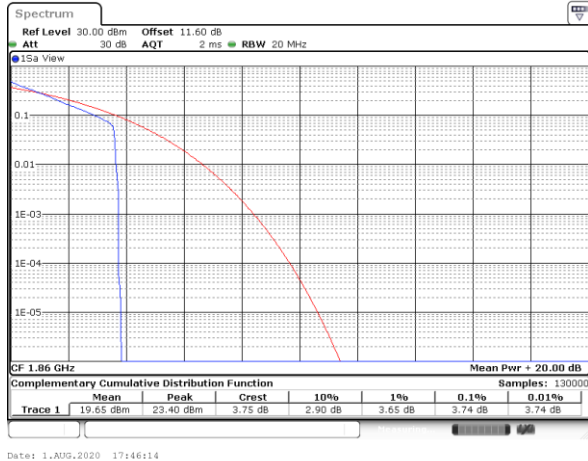
Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.74	5.07	5.30	5.97	PASS
Middle CH	3.51	5.10	5.57	5.88	
Highest CH	3.68	5.10	5.68	6.06	
Mode	LTE Band 25 / 20MHz				
Mod.	64QAM		256QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	6.70	6.55	6.61	6.67	PASS
Middle CH	6.72	6.46	5.65	6.52	
Highest CH	6.32	6.61	7.91	6.75	

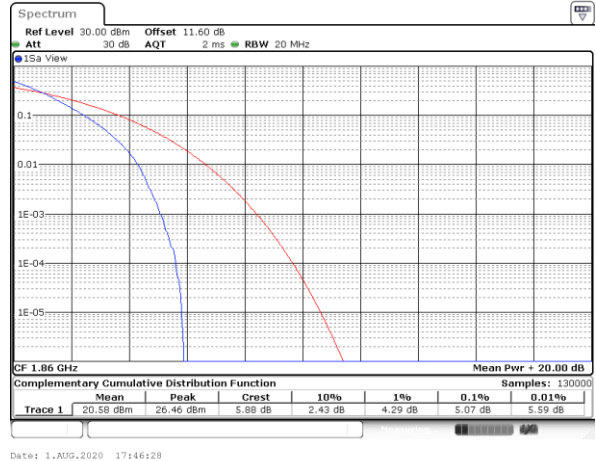


LTE Band 25 / 20MHz / QPSK

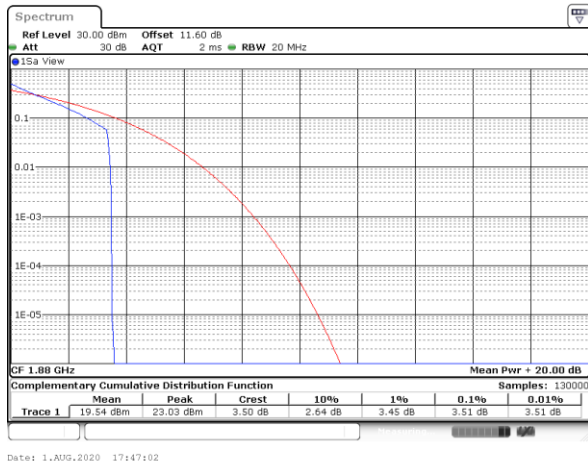
Lowest Channel / 1RB



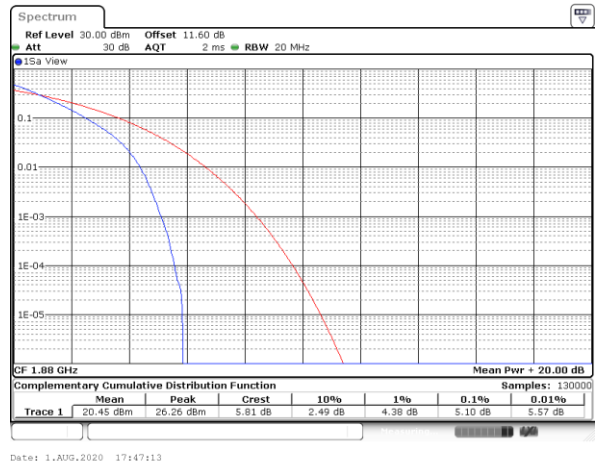
Lowest Channel / Full RB



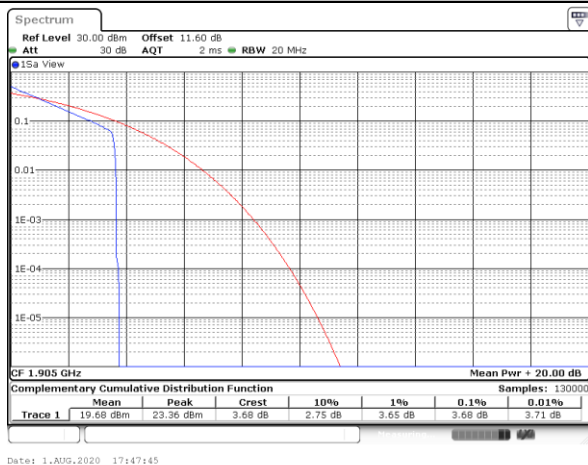
Middle Channel / 1RB



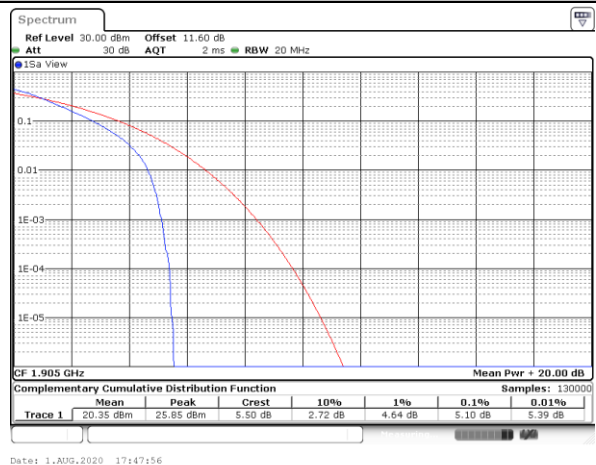
Middle Channel / Full RB



Highest Channel / 1RB



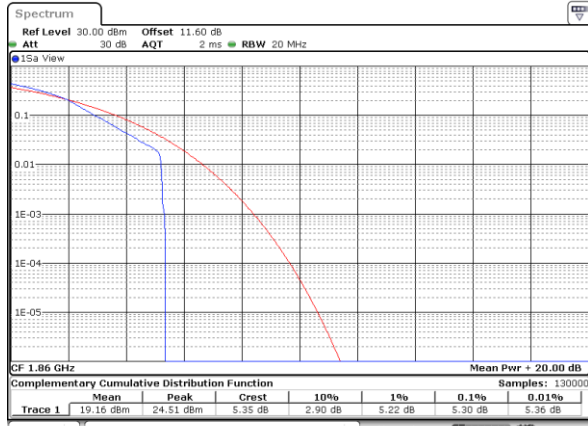
Highest Channel / Full RB



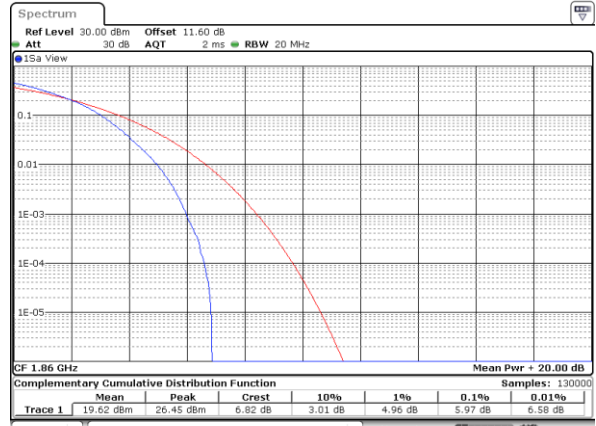


LTE Band 25 / 20MHz / 16QAM

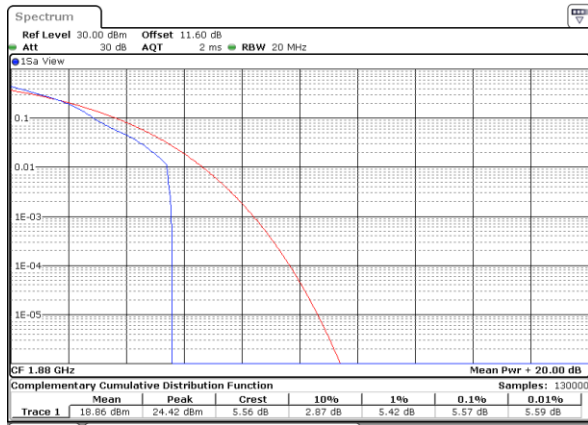
Lowest Channel / 1RB



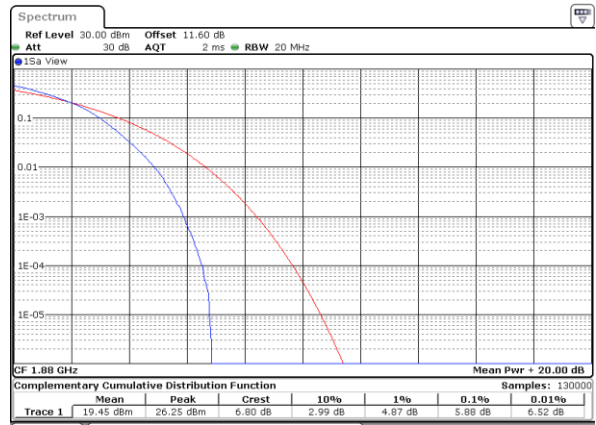
Lowest Channel / Full RB



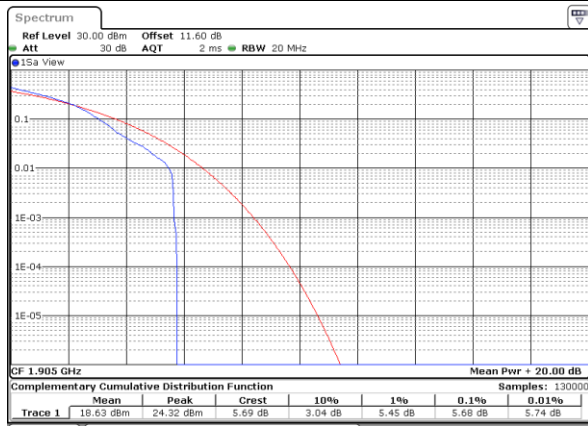
Middle Channel / 1RB



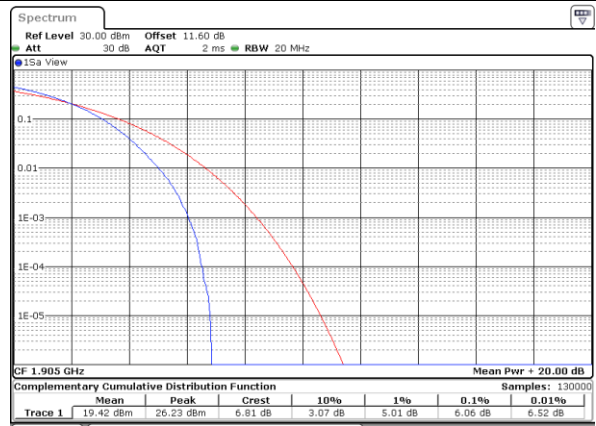
Middle Channel / Full RB



Highest Channel / 1RB



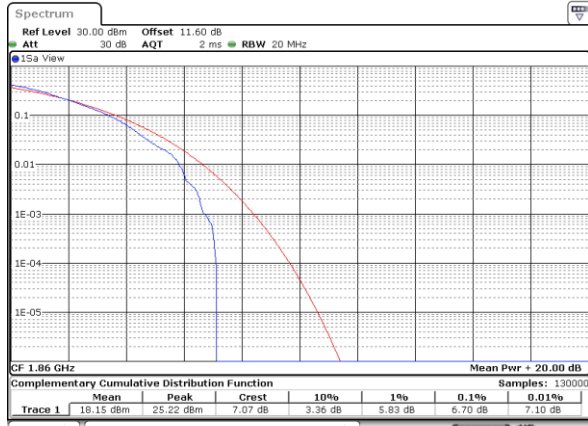
Highest Channel / Full RB



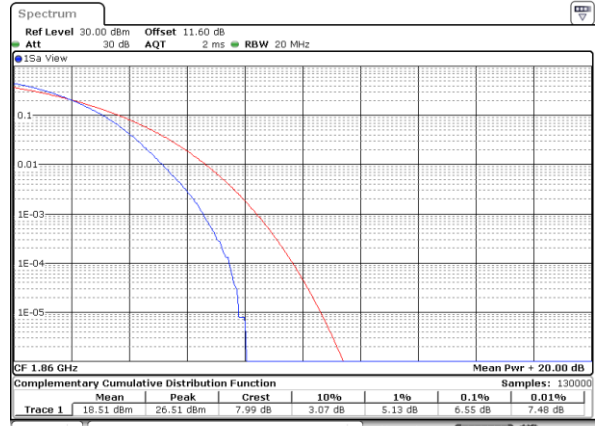


LTE Band 25 / 20MHz / 64QAM

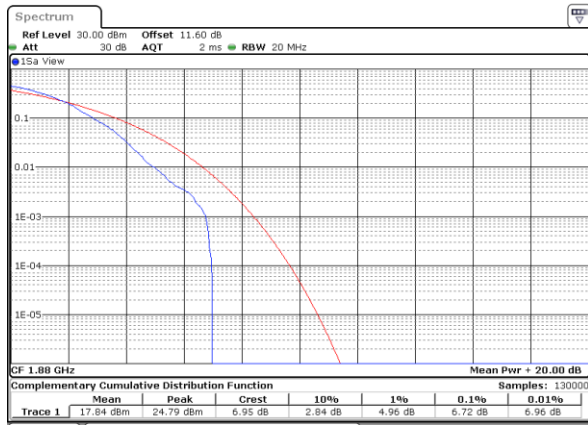
Lowest Channel / 1RB



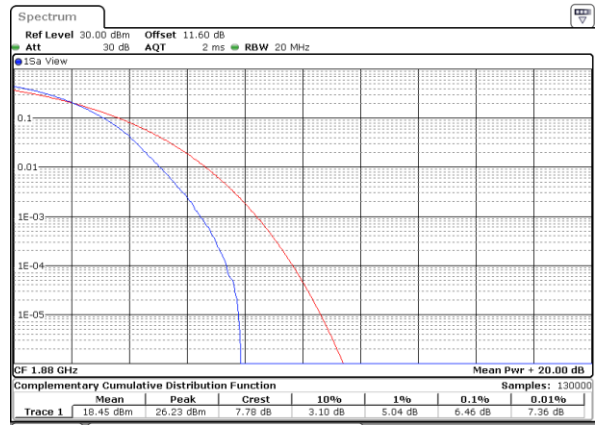
Lowest Channel / Full RB



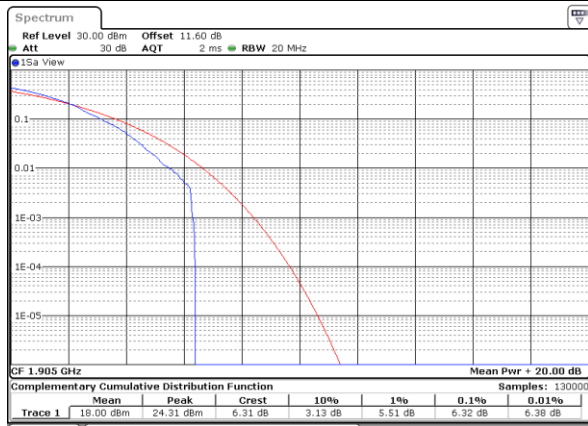
Middle Channel / 1RB



Middle Channel / Full RB

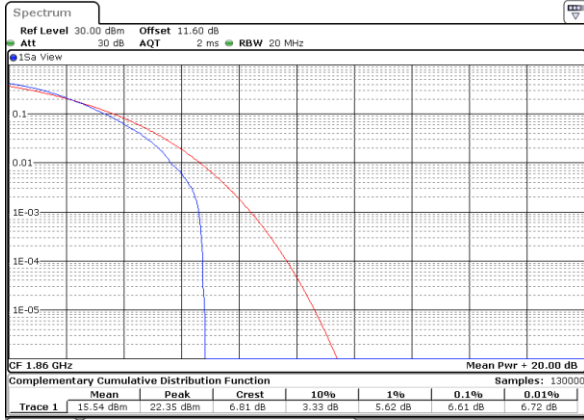
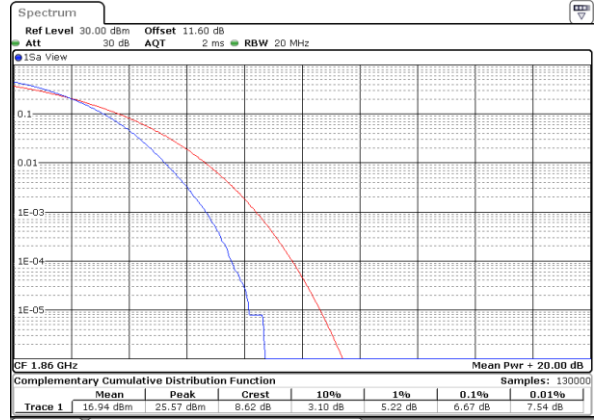
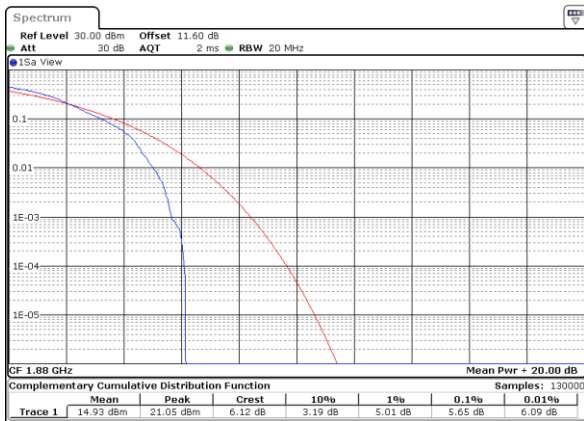
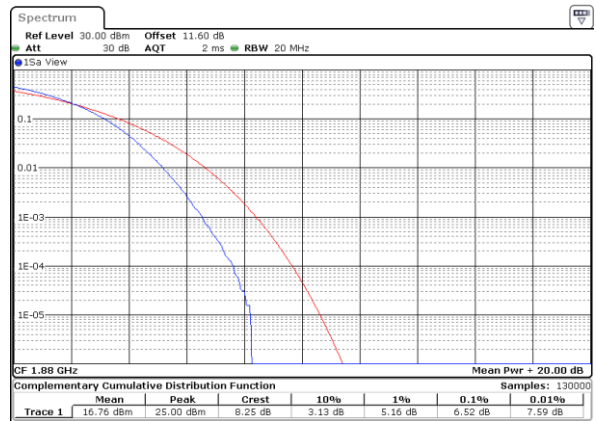
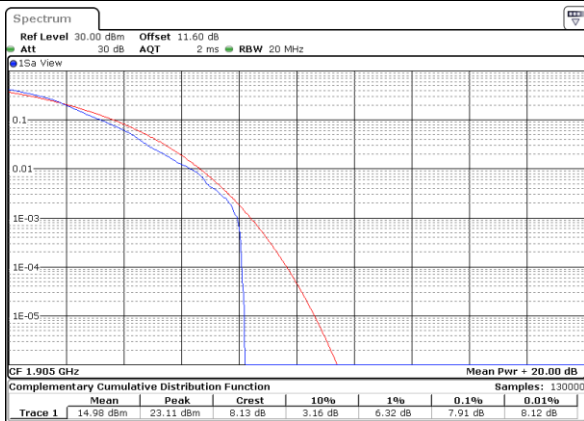


Highest Channel / 1RB



Highest Channel / Full RB



LTE Band 25 / 20MHz / 256QAM
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 25 : 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	1.22	1.24	3.03	3.04	4.96	4.92	9.77	9.85	14.21	14.24	18.70	18.66
Middle CH	1.23	1.22	3.06	3.00	4.86	4.99	9.71	9.71	14.30	14.66	19.14	18.86
Highest CH	1.24	1.23	2.99	2.99	4.92	4.90	9.77	9.71	14.51	14.42	18.90	18.98
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	1.23	1.23	3.05	3.03	4.83	4.93	9.85	9.95	14.33	14.33	18.66	18.90
Middle CH	1.20	1.23	3.03	3.02	4.90	4.96	9.75	9.67	14.12	14.15	18.90	19.10
Highest CH	1.22	1.23	3.01	3.02	4.96	4.96	9.79	9.73	14.18	14.18	18.70	19.26