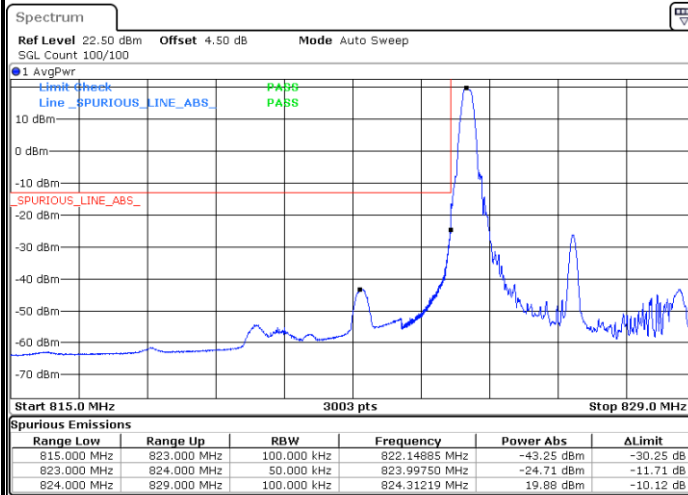


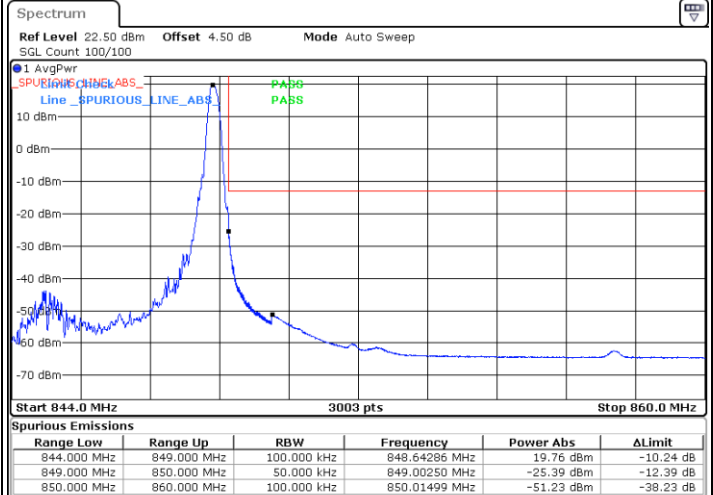


LTE Band 5 / 5MHz / 16QAM

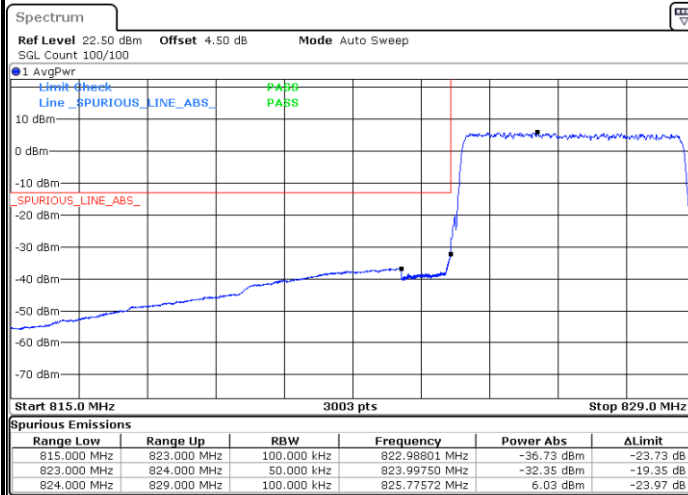
Lowest Band Edge / 1RB



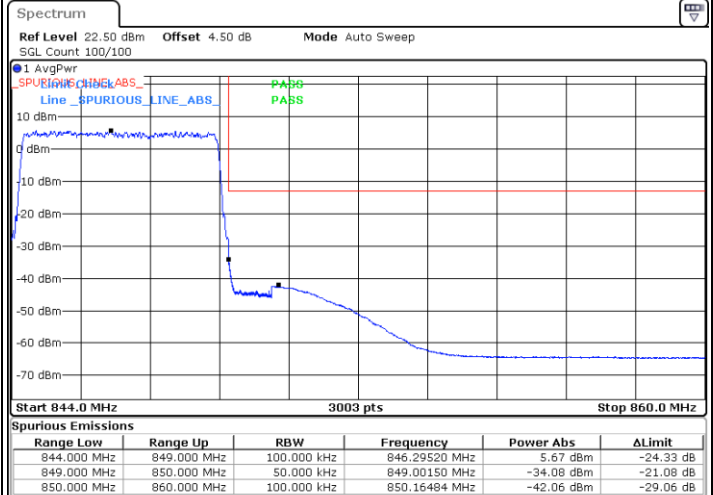
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



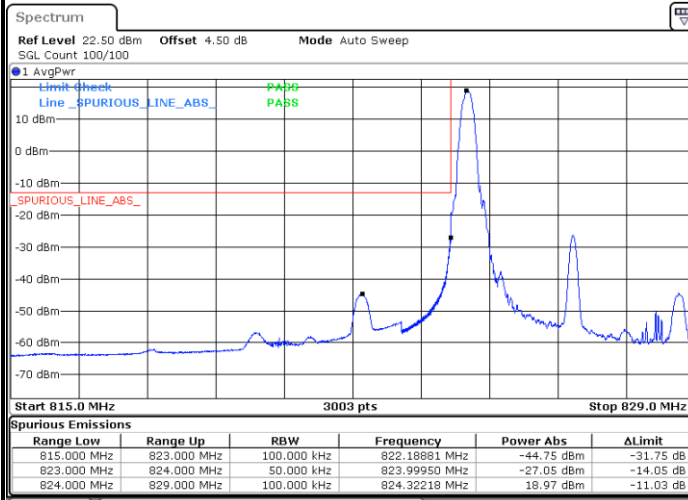
Highest Band Edge / Full RB



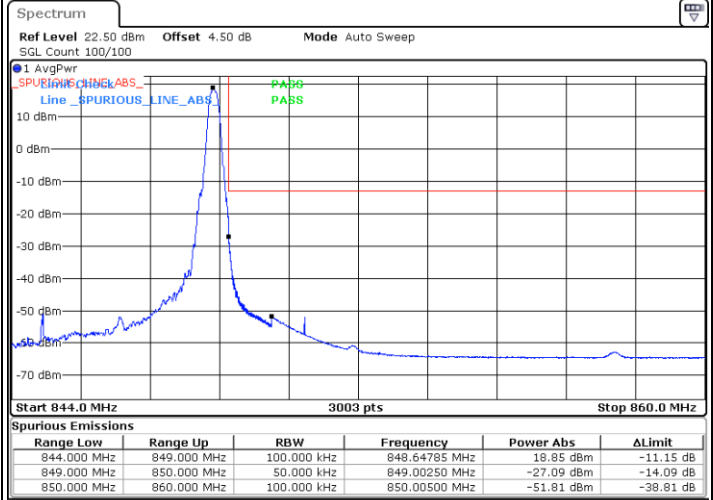


LTE Band 5 / 5MHz / 64QAM

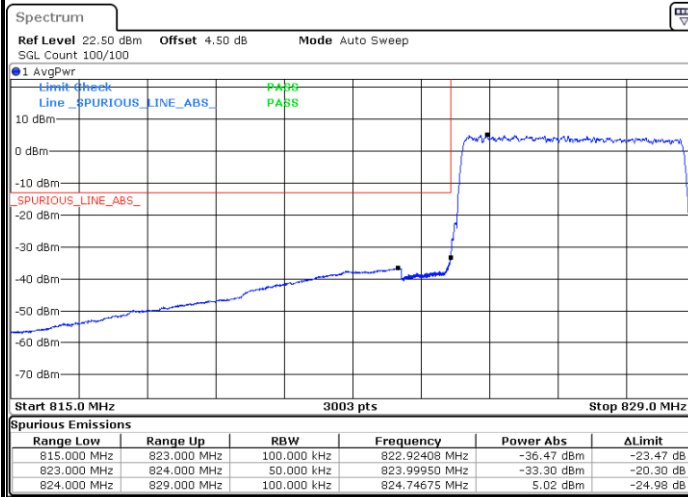
Lowest Band Edge / 1RB



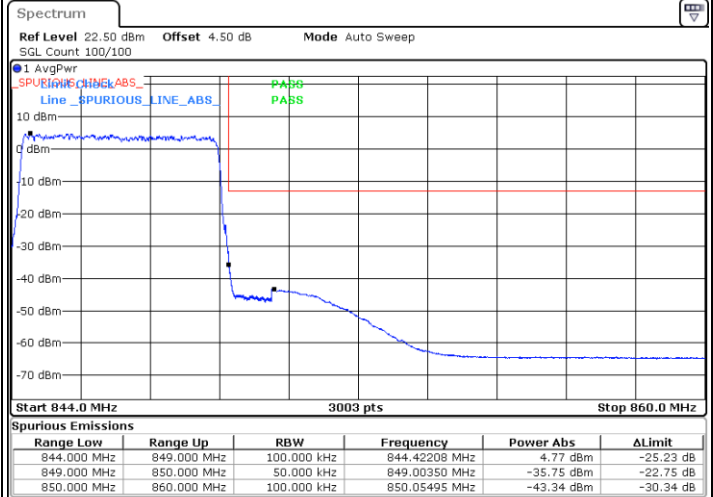
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



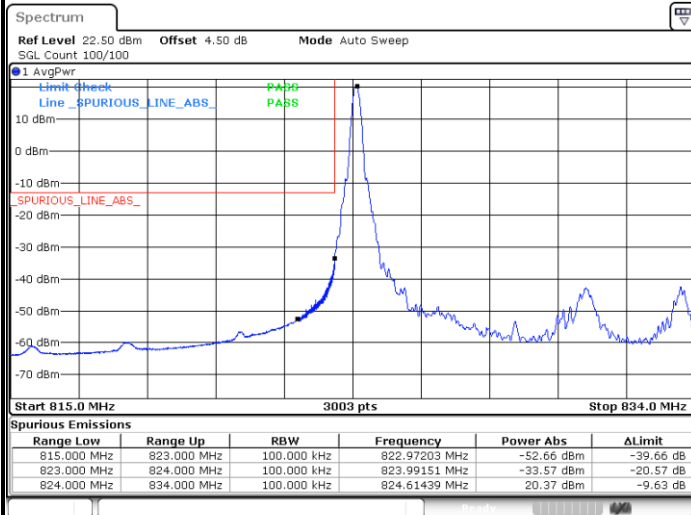
Highest Band Edge / Full RB



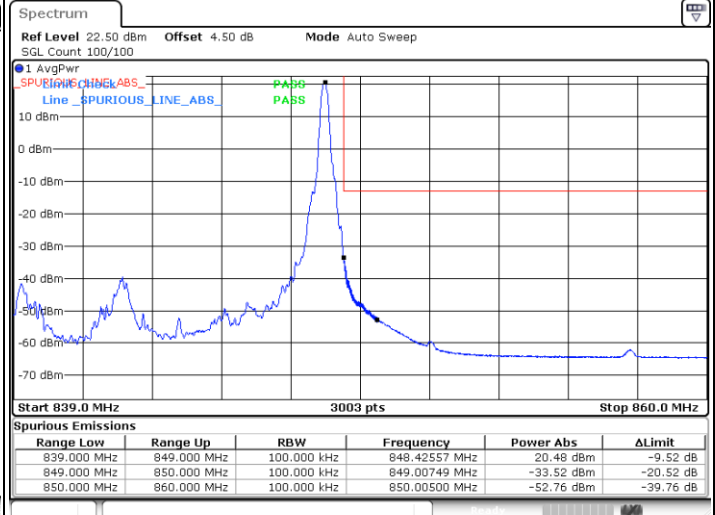


LTE Band 5 / 10MHz / QPSK

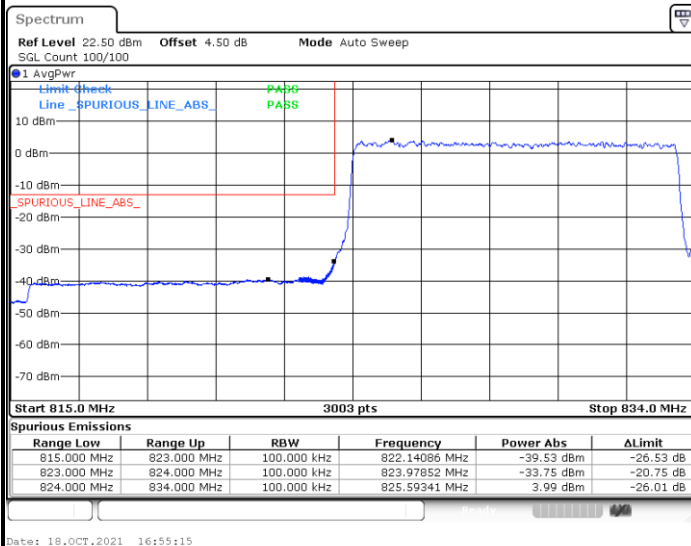
Lowest Band Edge / 1 RB



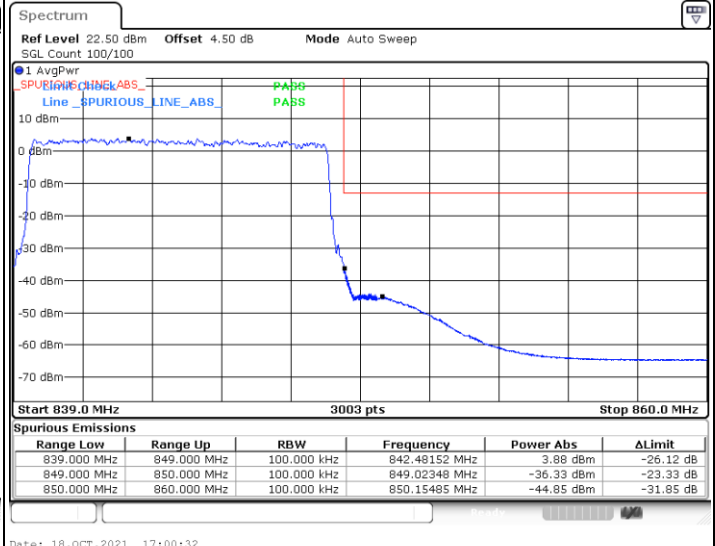
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



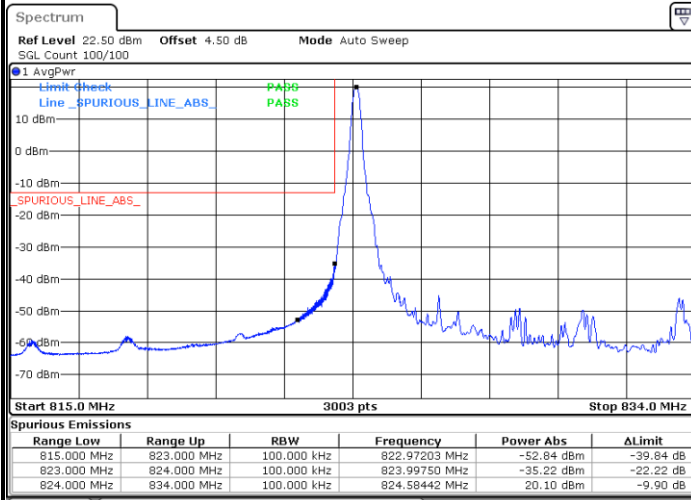
Highest Band Edge / Full RB



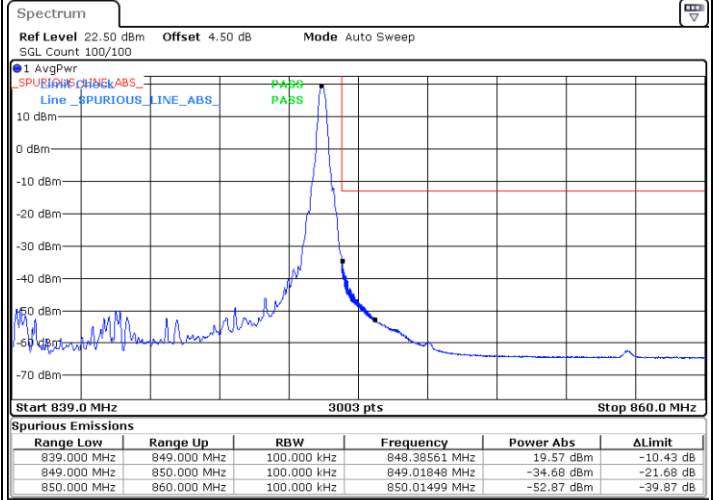


LTE Band 5 / 10MHz / 16QAM

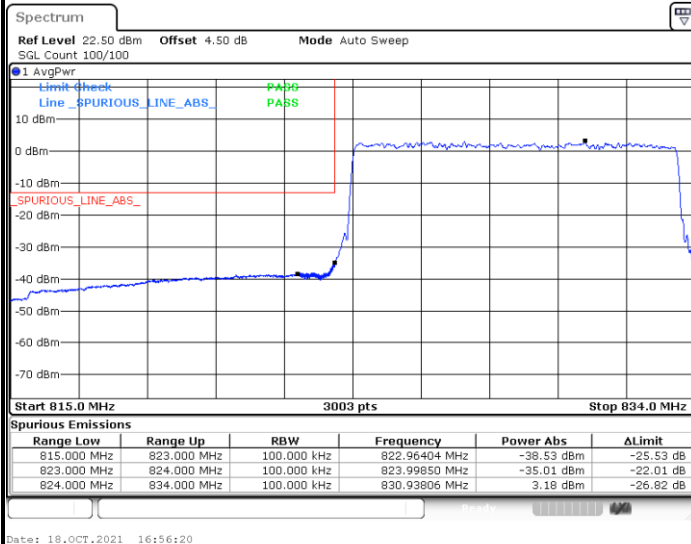
Lowest Band Edge / 1 RB



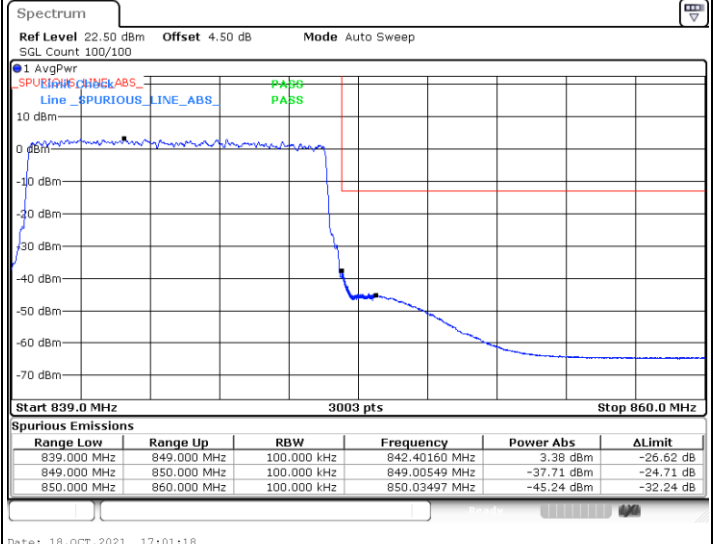
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



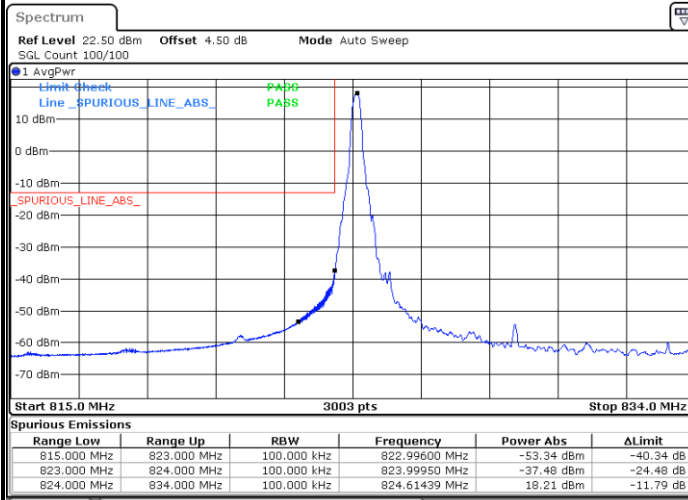
Highest Band Edge / Full RB



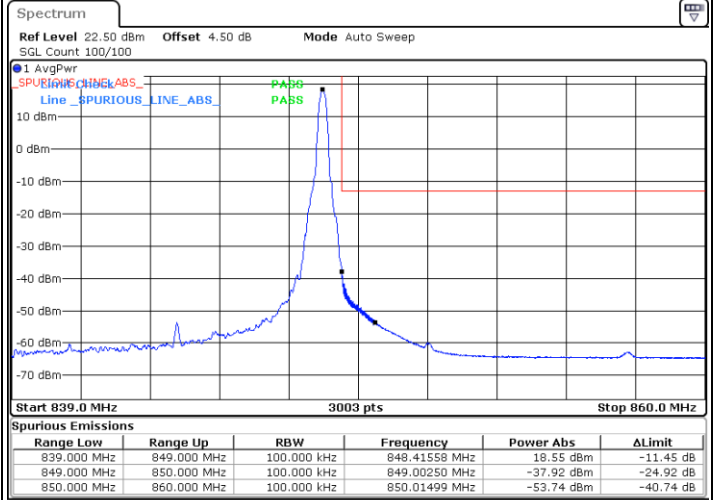


LTE Band 5 / 10MHz / 64QAM

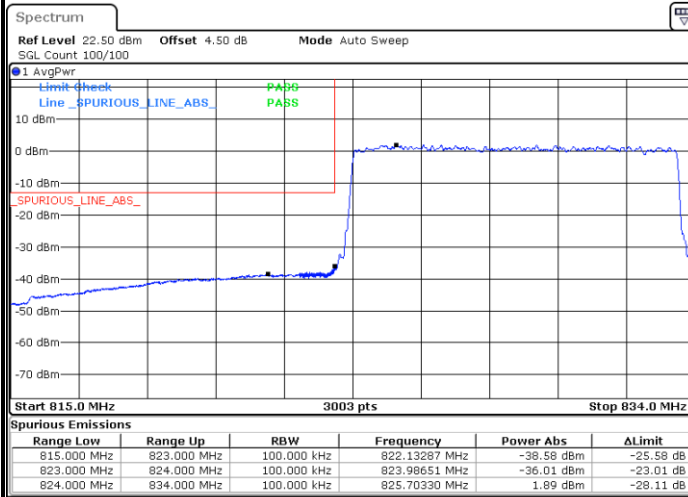
Lowest Band Edge / 1 RB



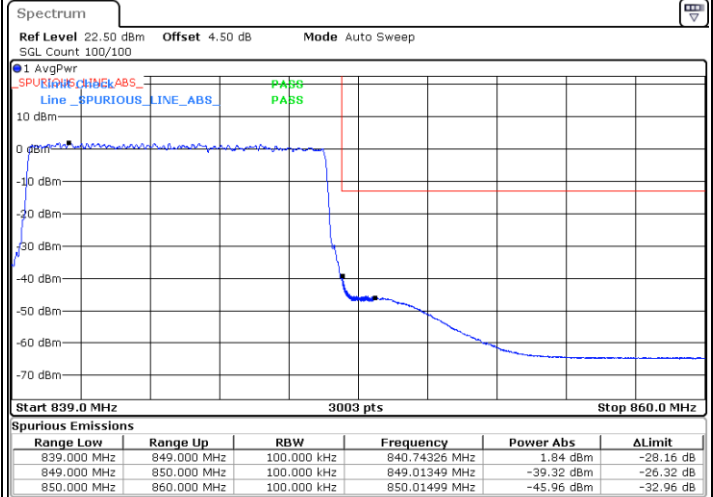
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



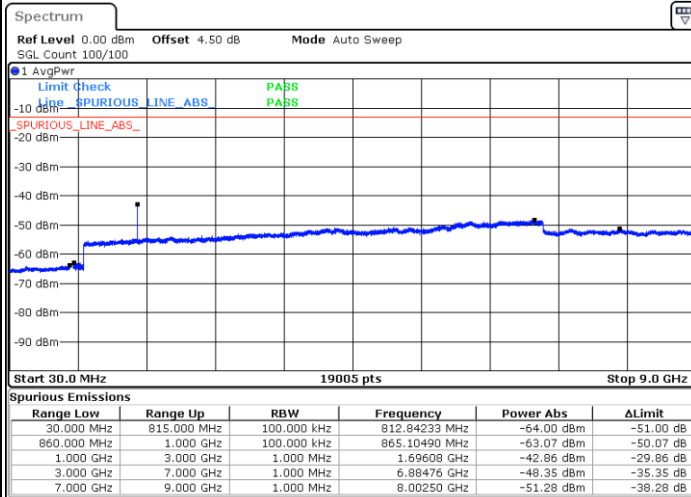


Conducted Spurious Emission

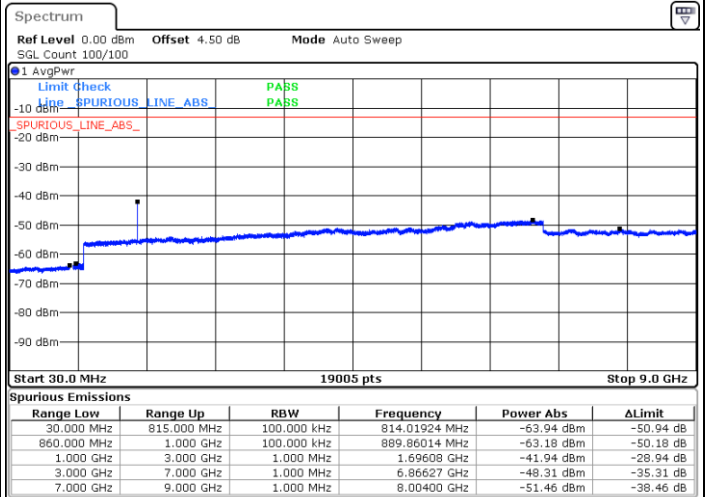
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

Middle Channel / QPSK

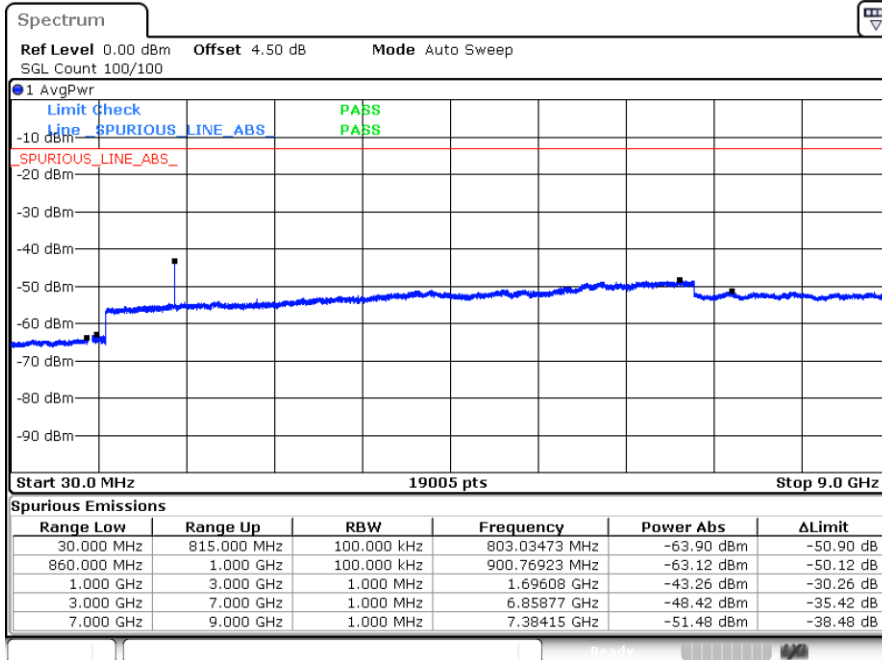


Date: 18.OCT.2021 16:18:09



Date: 18.OCT.2021 16:17:12

Highest Channel / QPSK

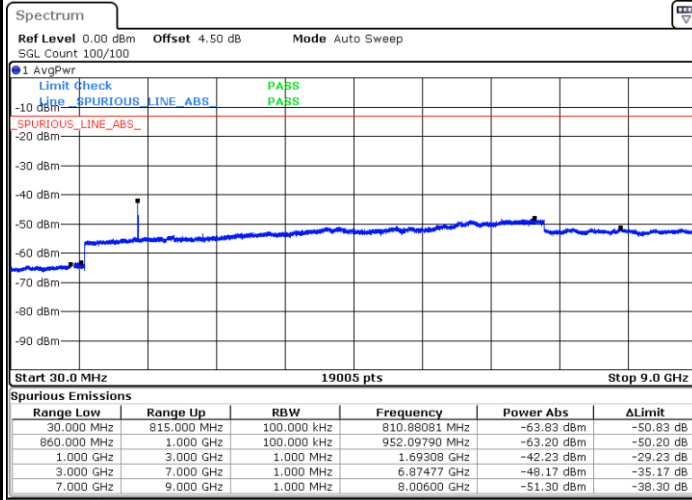


Date: 18.OCT.2021 16:16:39



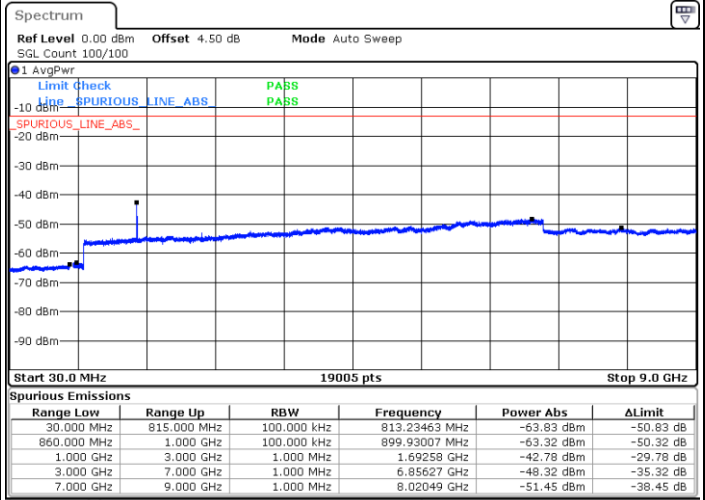
LTE Band 5 / 3MHz

Lowest Channel / QPSK



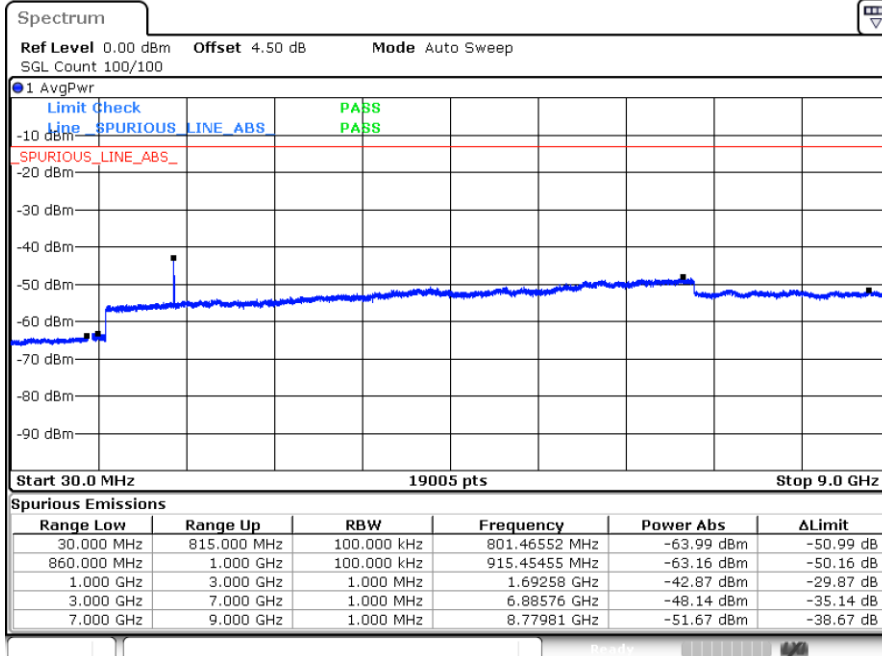
Date: 18.OCT.2021 16:34:09

Middle Channel / QPSK



Date: 18.OCT.2021 16:33:14

Highest Channel / QPSK

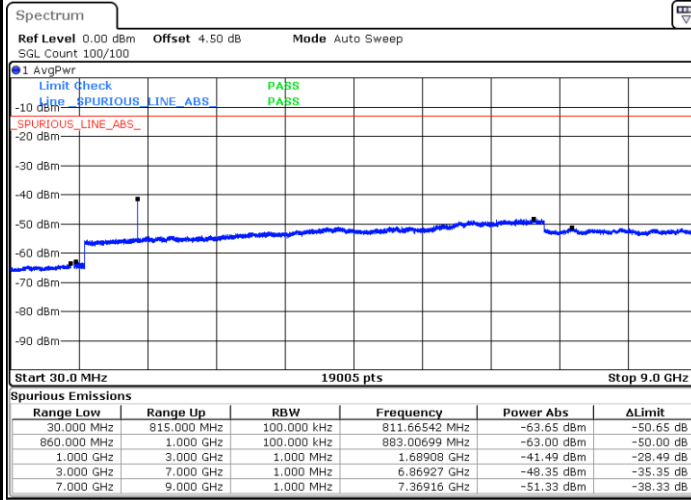


Date: 18.OCT.2021 16:32:30



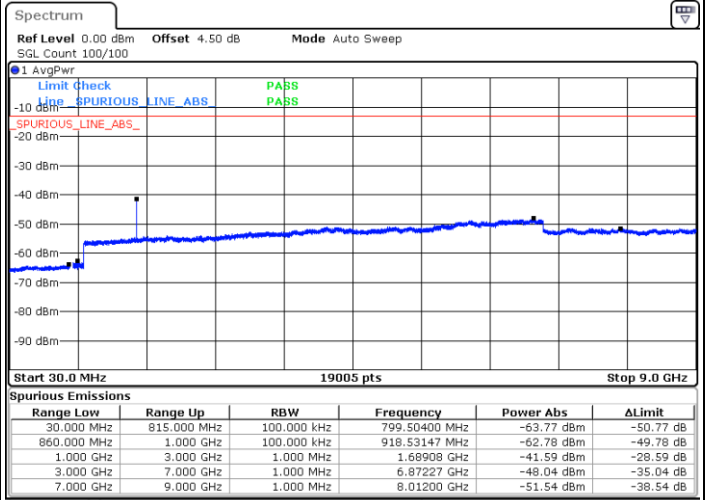
LTE Band 5 / 5MHz

Lowest Channel / QPSK



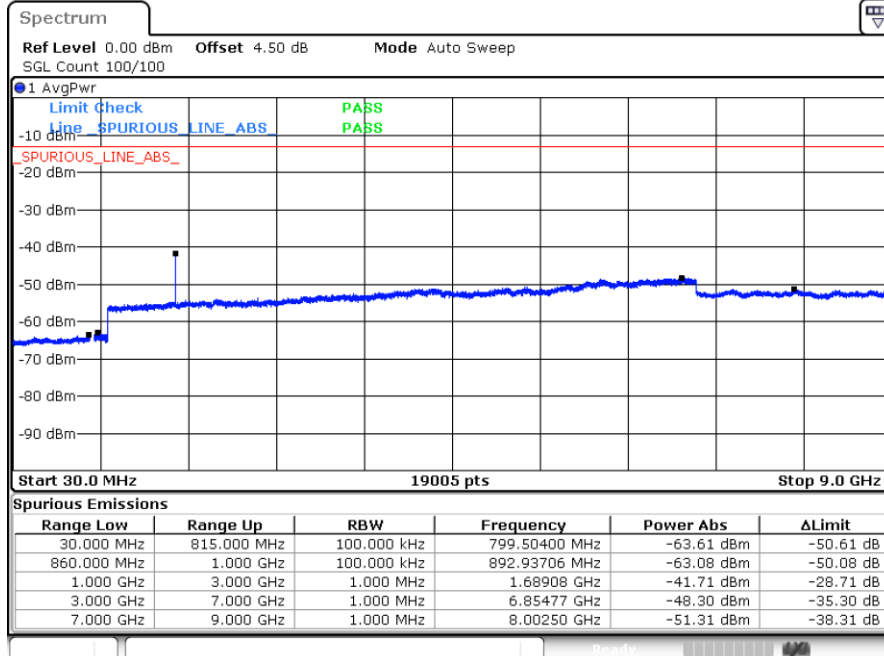
Date: 18.OCT.2021 16:53:25

Middle Channel / QPSK



Date: 18.OCT.2021 16:52:40

Highest Channel / QPSK

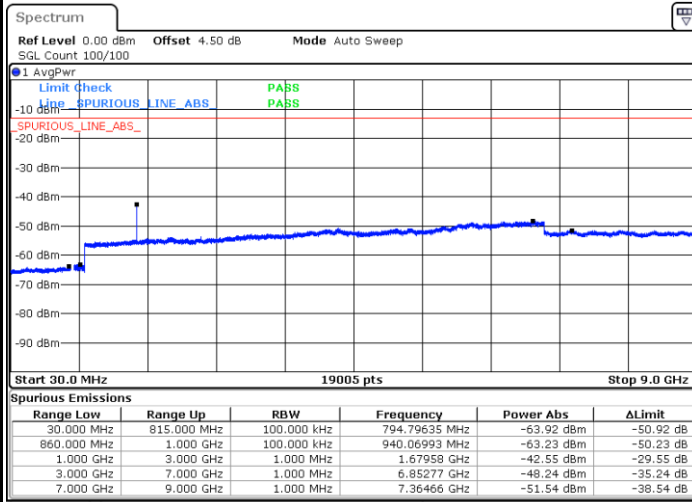


Date: 18.OCT.2021 16:51:52



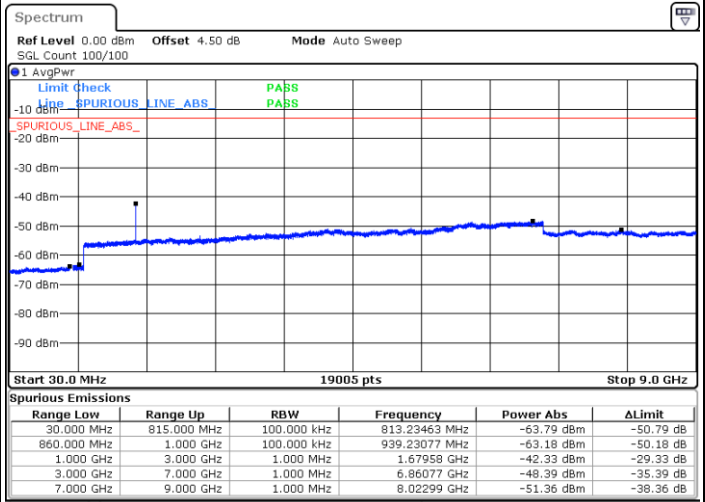
LTE Band 5 / 10MHz

Lowest Channel / QPSK



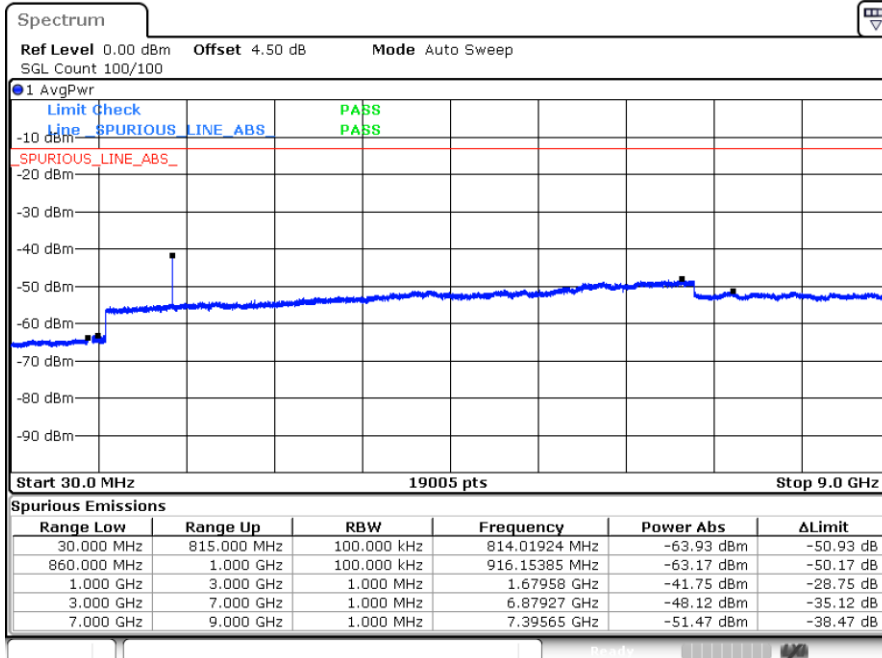
Date: 18.OCT.2021 17:06:31

Middle Channel / QPSK



Date: 18.OCT.2021 17:05:35

Highest Channel / QPSK



Date: 18.OCT.2021 17:04:59

**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	0.0006	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0033	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0020	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0039	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0020	
20	Battery End Point	0.0032	

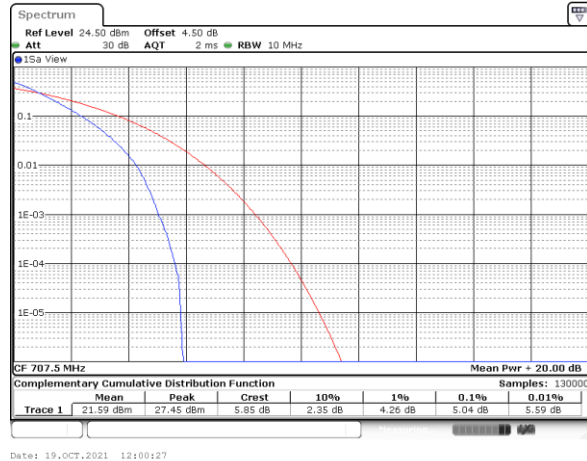
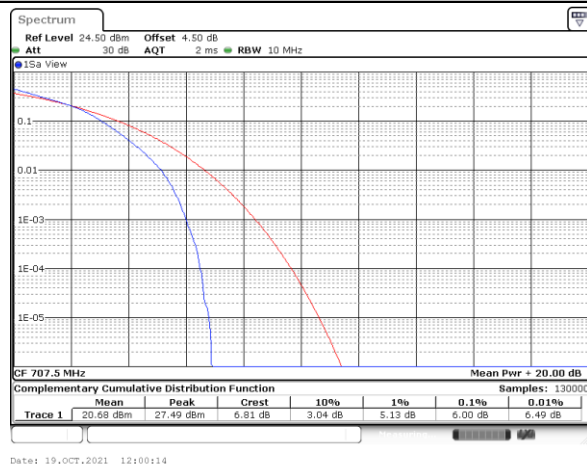
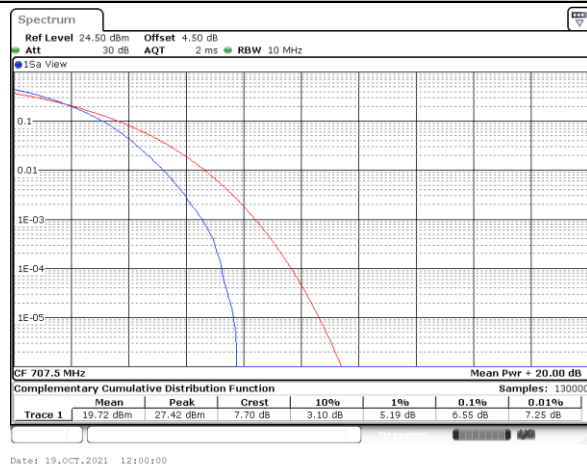
Note: Normal Voltage =3.87V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.45 V.



LTE Band 12

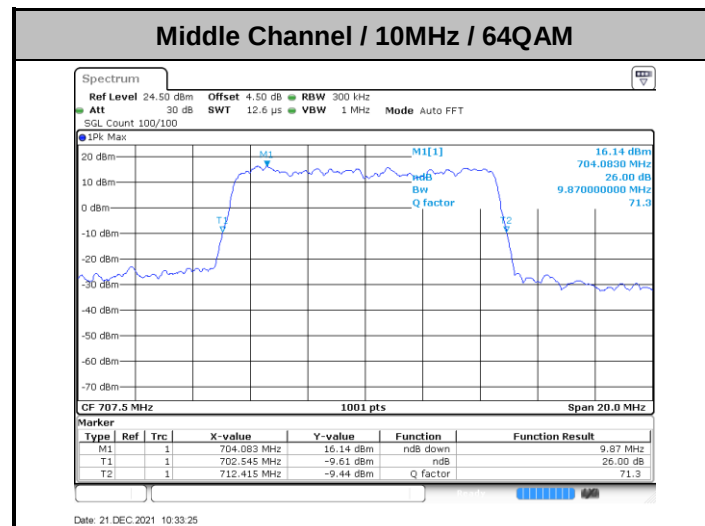
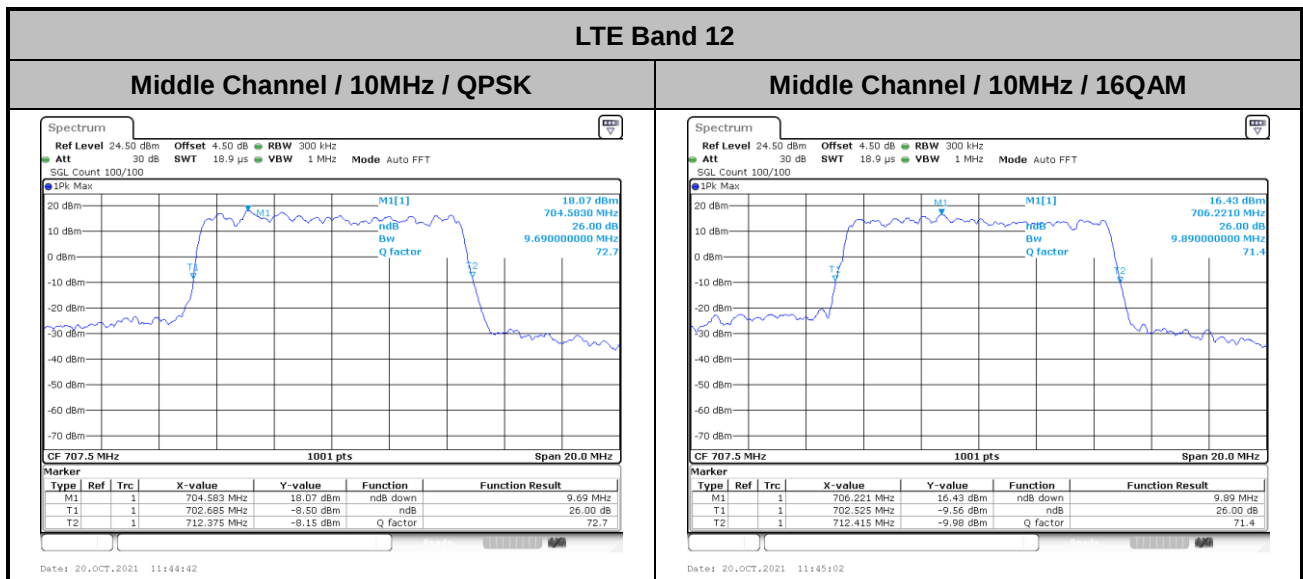
Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.04	6.00	6.55	PASS

LTE Band 12 / 10MHz
Middle Channel / Full RB/ QPSK

Middle Channel / Full RB/ 16QAM

Middle Channel / Full RB/ 64QAM


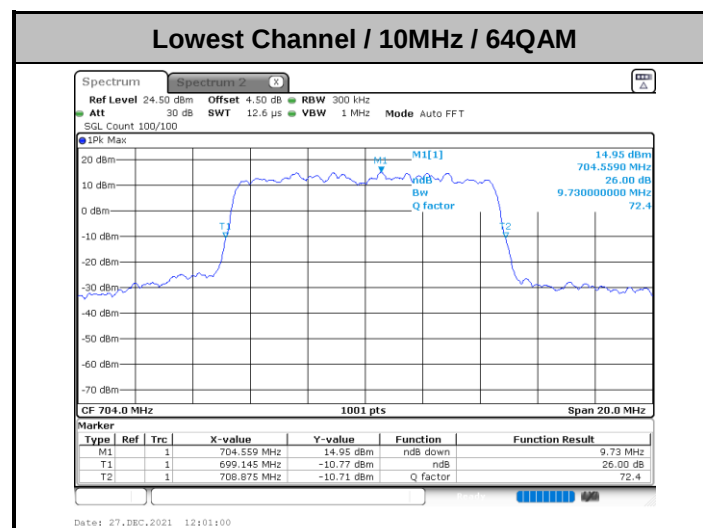
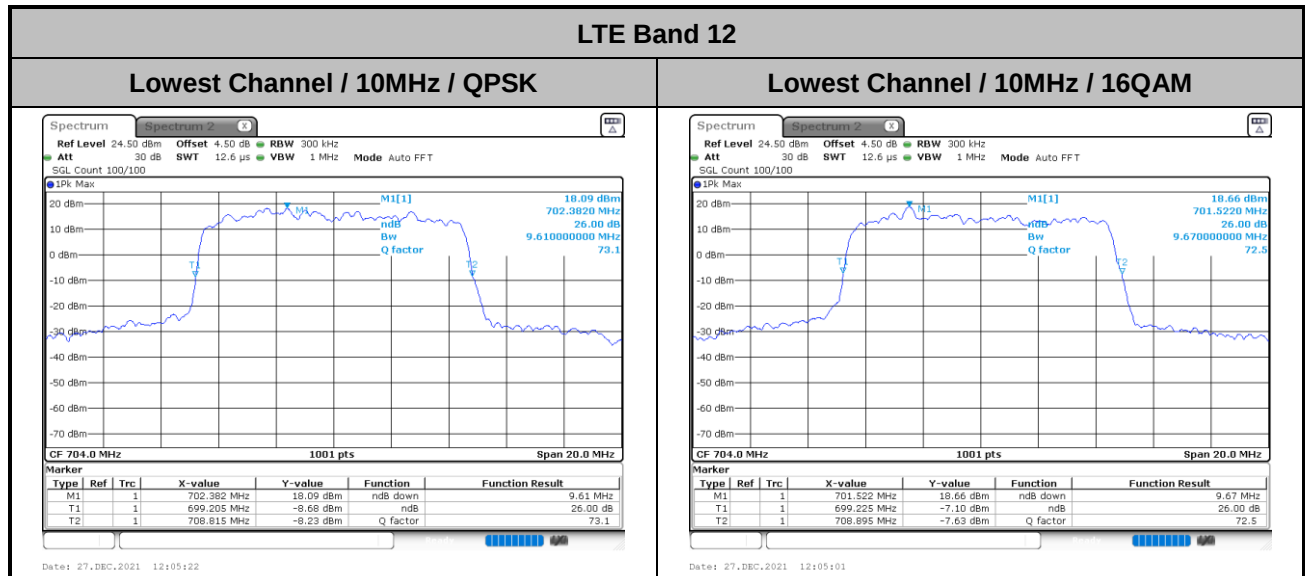
**26dB Bandwidth**

Mode	LTE Band 12 : 26dB BW(MHz)		
BW	10MHz		
Mod.	QPSK	16QAM	64QAM
Middle CH	9.69	9.89	9.87



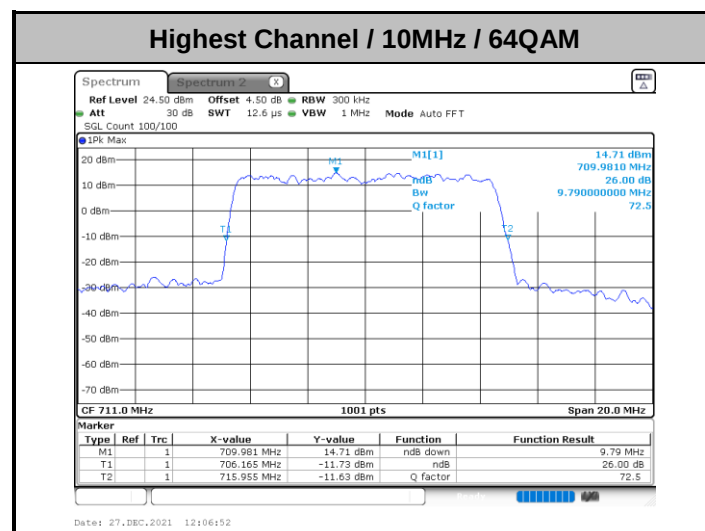
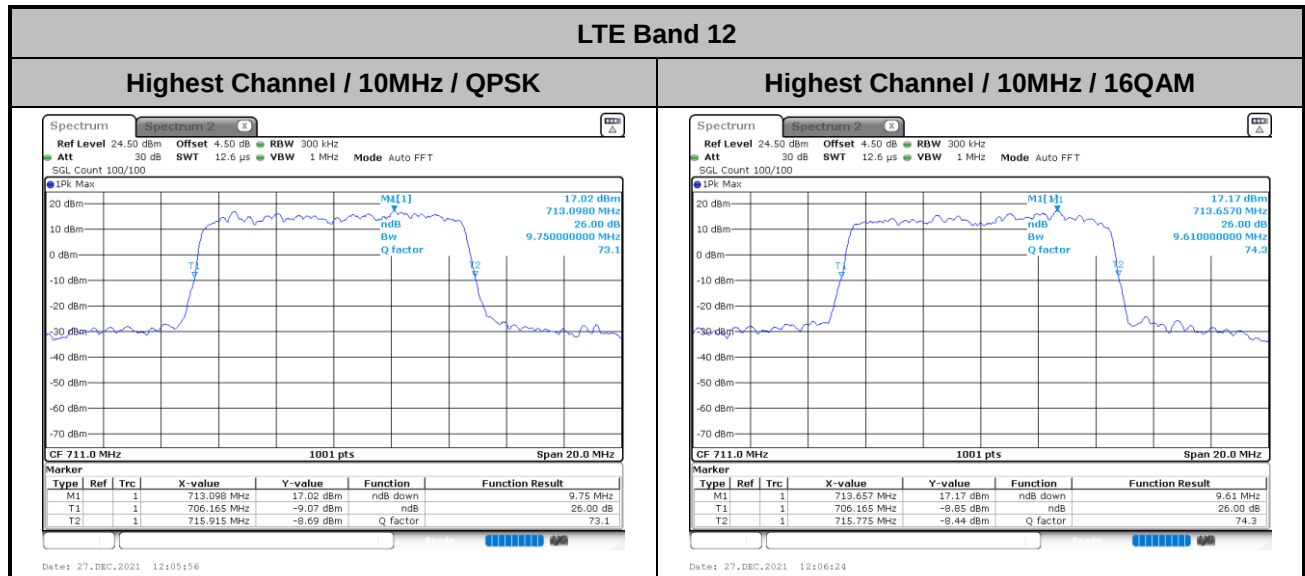


Mode	LTE Band 12 : 26dB BW(MHz)		
BW	10MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	9.61	9.67	9.73



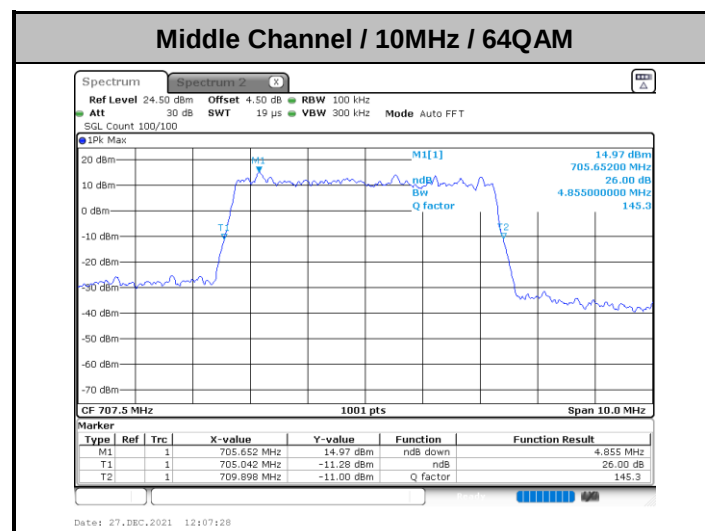
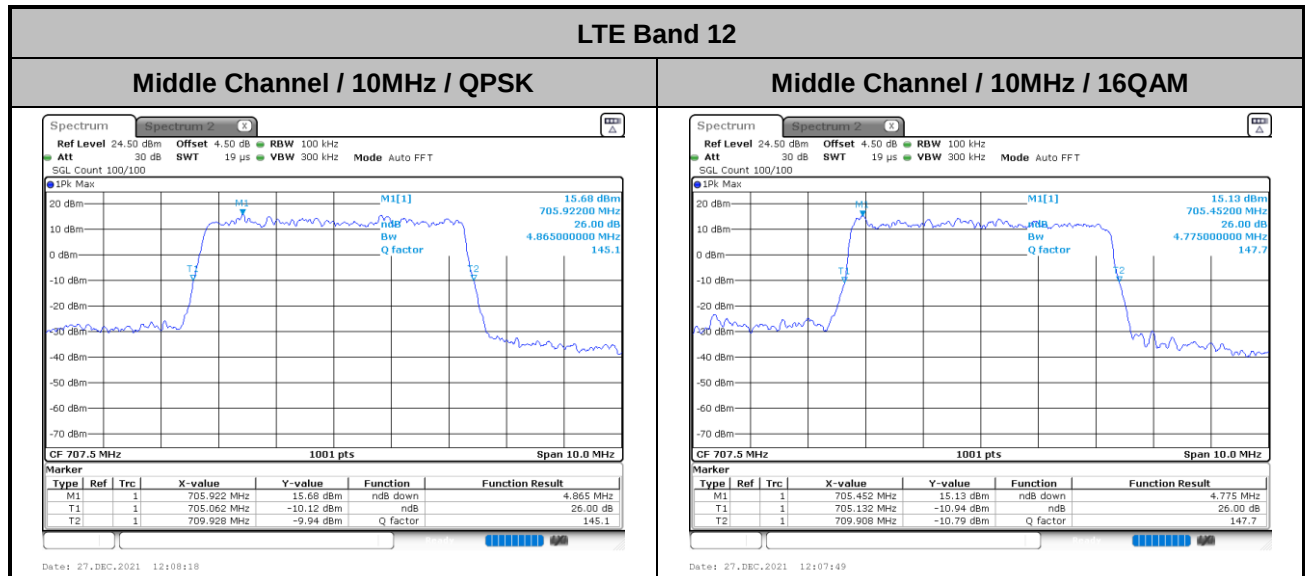


Mode	LTE Band 12 : 26dB BW(MHz)		
BW	10MHz		
Mod.	QPSK	16QAM	64QAM
Highest CH	9.75	9.61	9.79



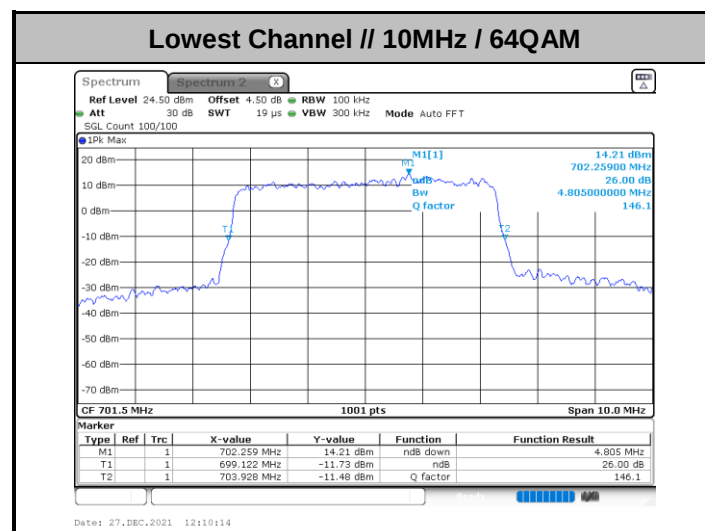
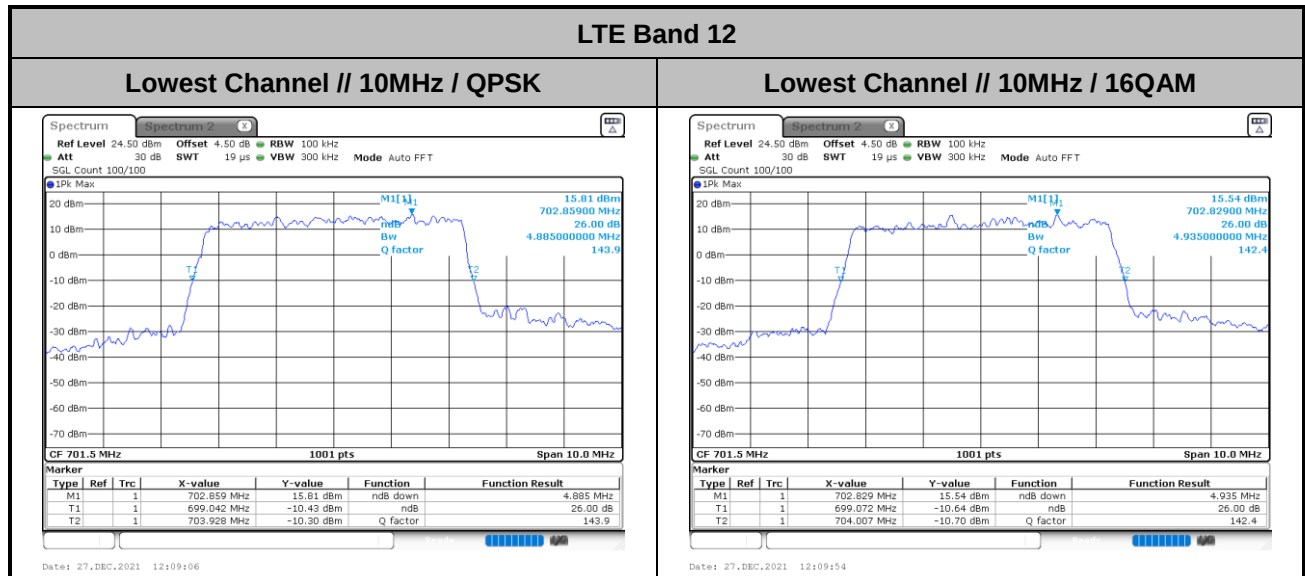


Mode	LTE Band 12 : 26dB BW(MHz)		
BW	5MHz		
Mod.	QPSK	16QAM	64QAM
Middle CH	4.87	4.78	4.86



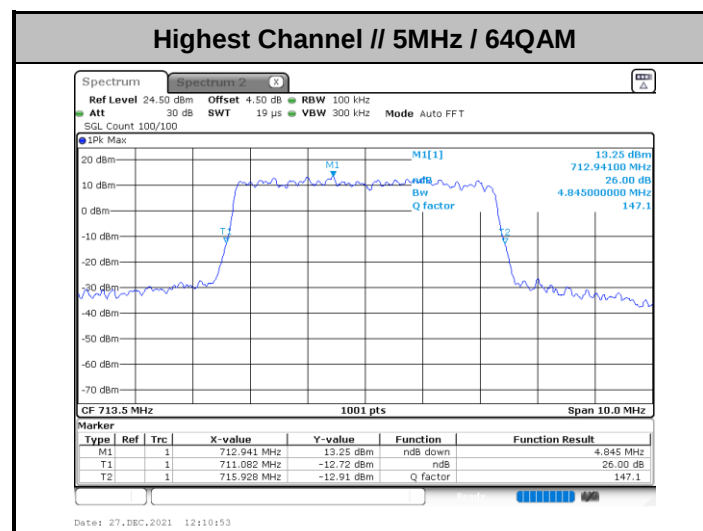
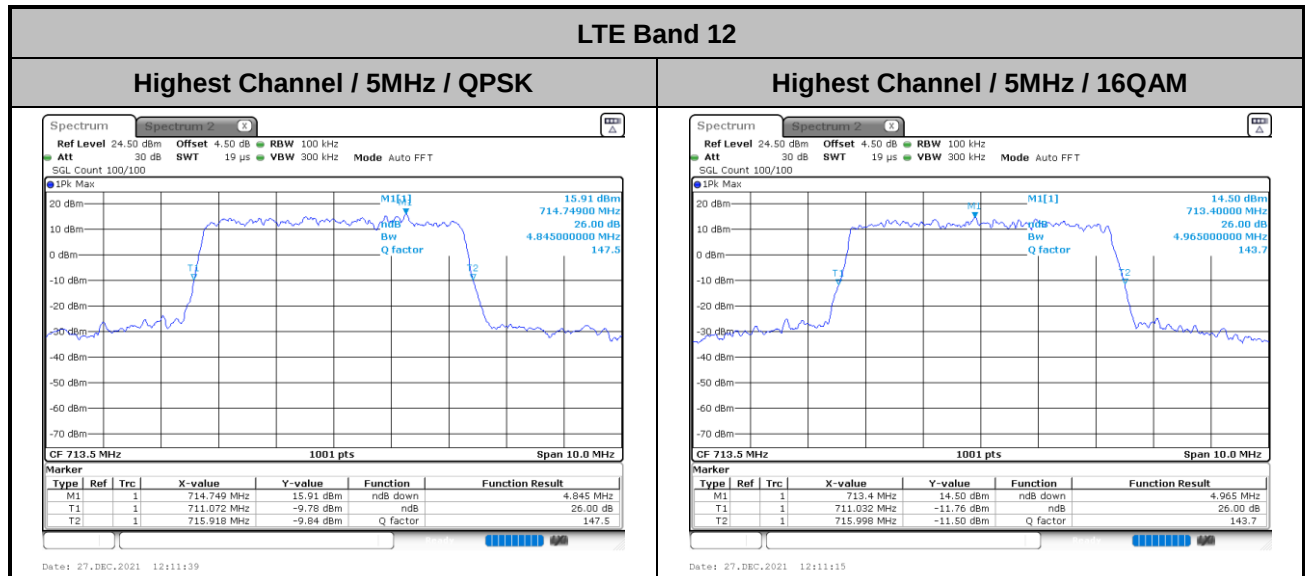


Mode	LTE Band 12 : 26dB BW(MHz)		
BW	5MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	4.89	4.94	4.81



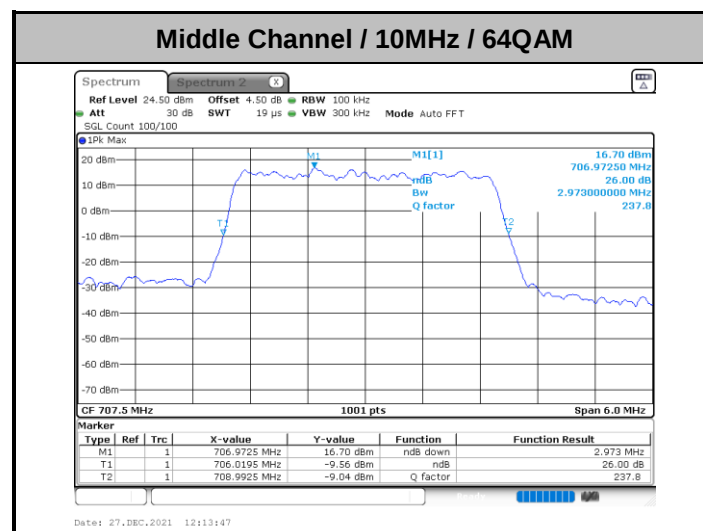
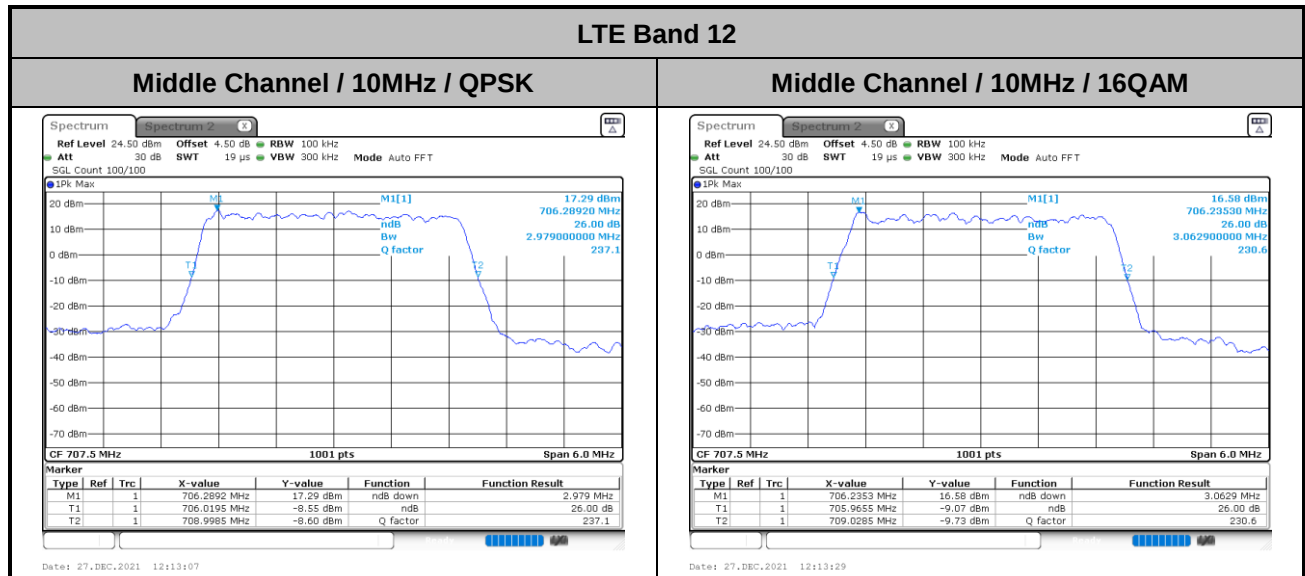


Mode	LTE Band 12 : 26dB BW(MHz)		
BW	5MHz		
Mod.	QPSK	16QAM	64QAM
Highest CH	4.85	4.97	4.85



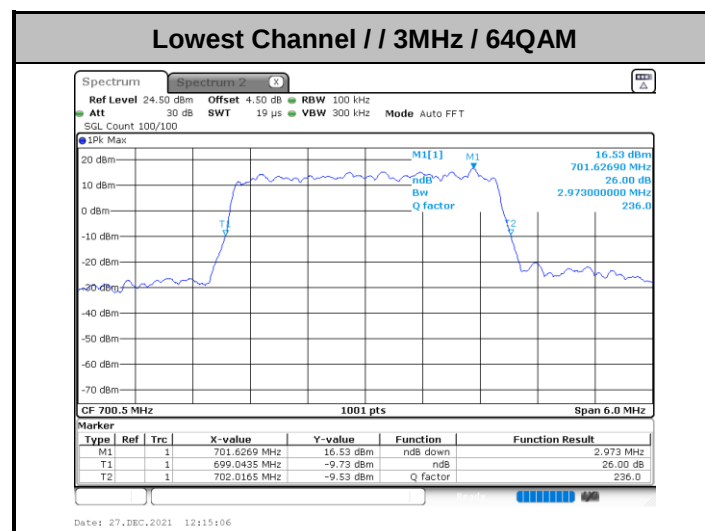
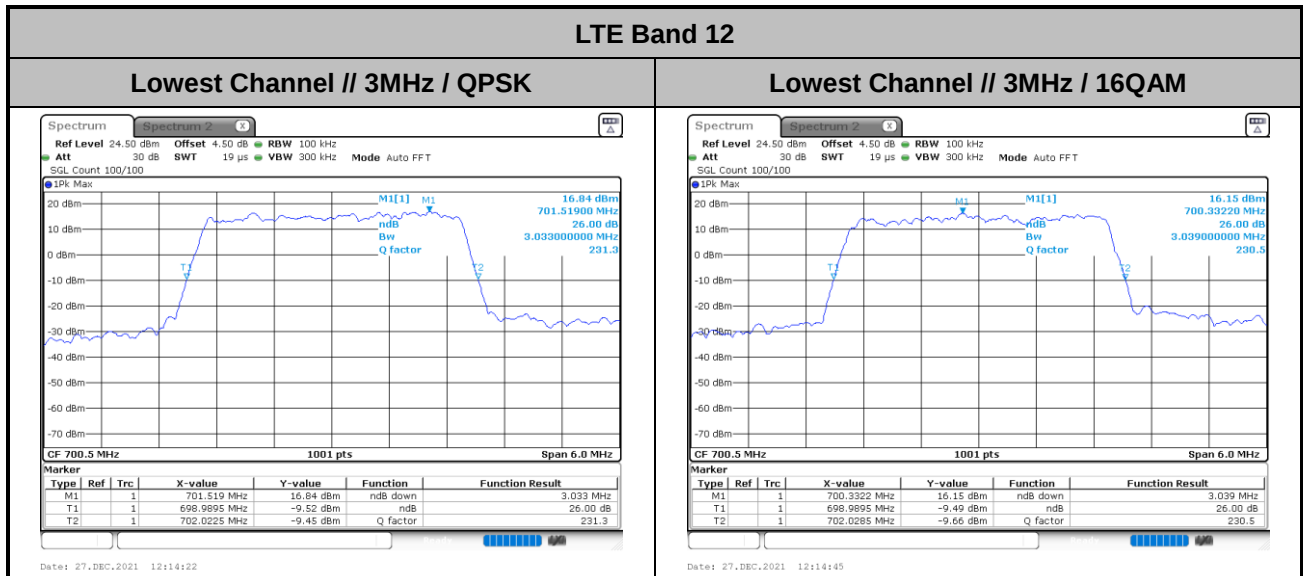


Mode	LTE Band 12 : 26dB BW(MHz)		
BW	3MHz		
Mod.	QPSK	16QAM	64QAM
Middle CH	2.98	3.06	2.97



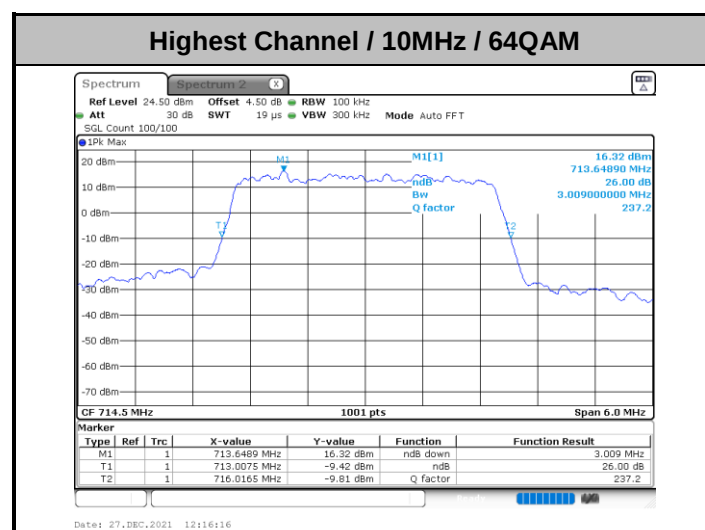
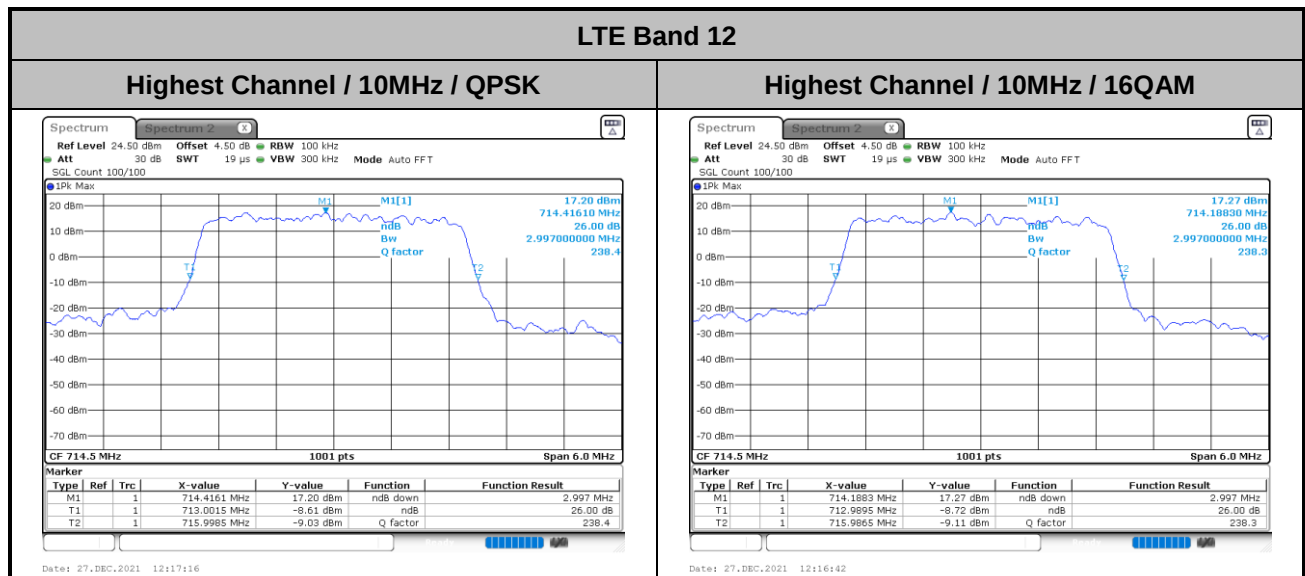


Mode	LTE Band 12 : 26dB BW(MHz)		
BW	3MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	3.03	3.04	2.97

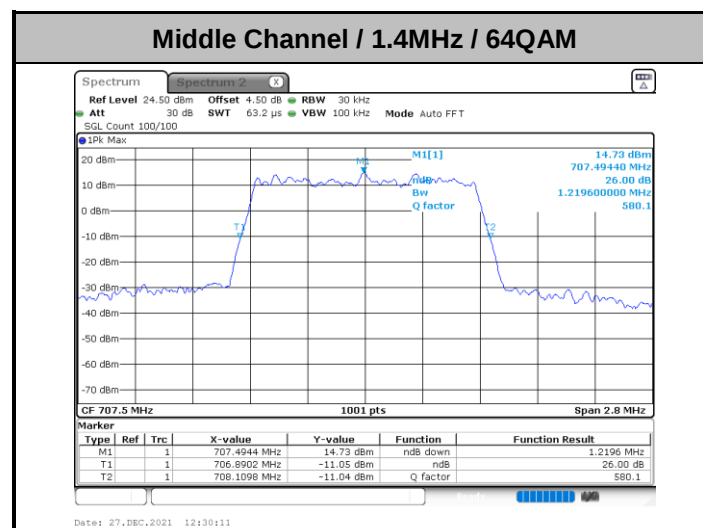
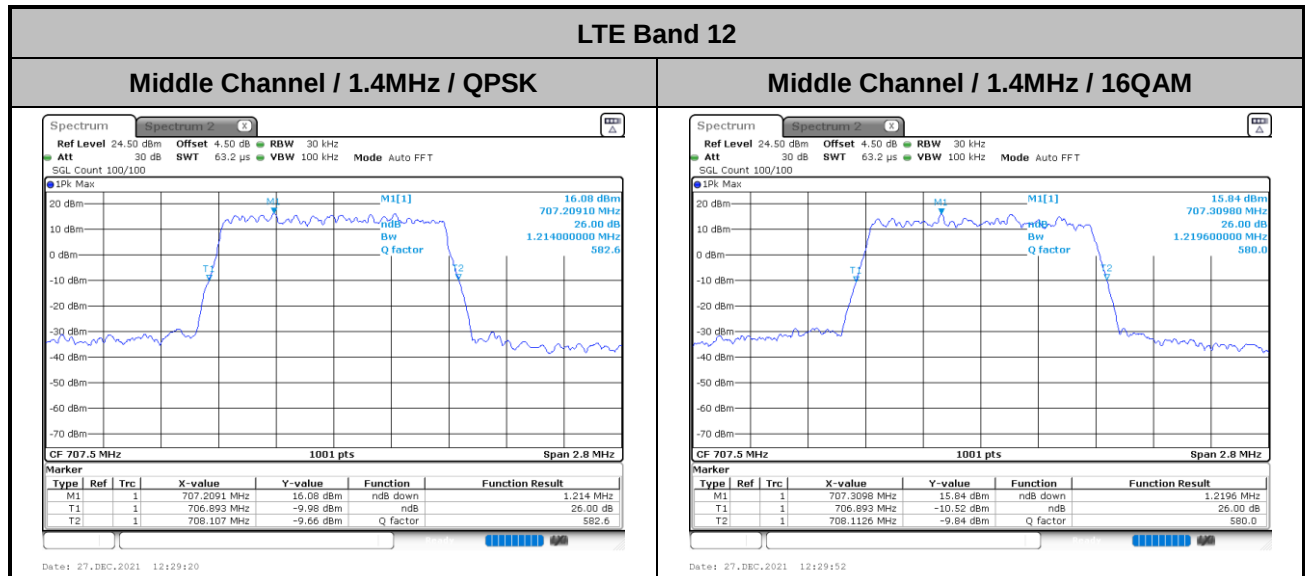




Mode	LTE Band 12 : 26dB BW(MHz)		
BW	3MHz		
Mod.	QPSK	16QAM	64QAM
Highest CH	3.00	3.00	3.01

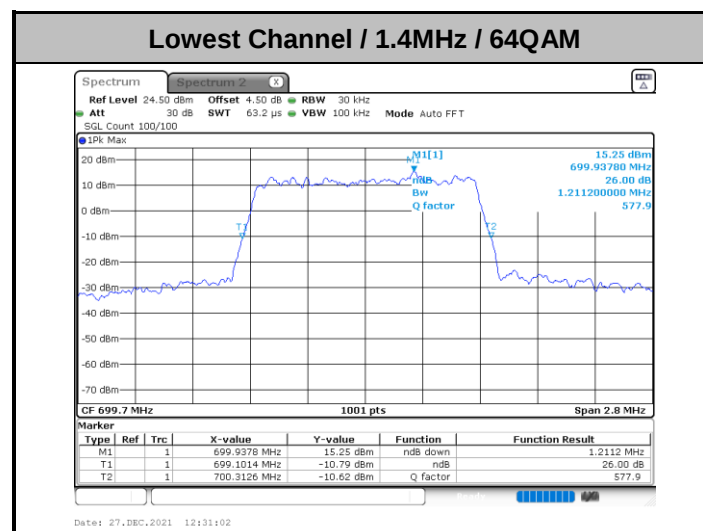
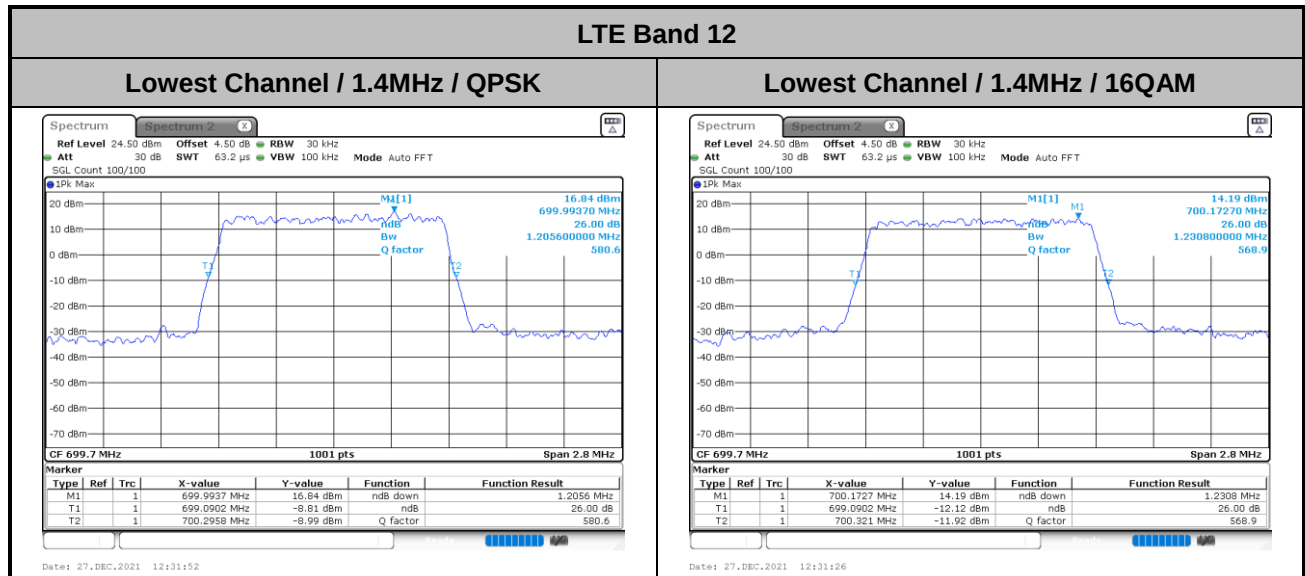


Mode	LTE Band 12 : 26dB BW(MHz)		
BW	1.4MHz		
Mod.	QPSK	16QAM	64QAM
Middle CH	1.21	1.22	1.22



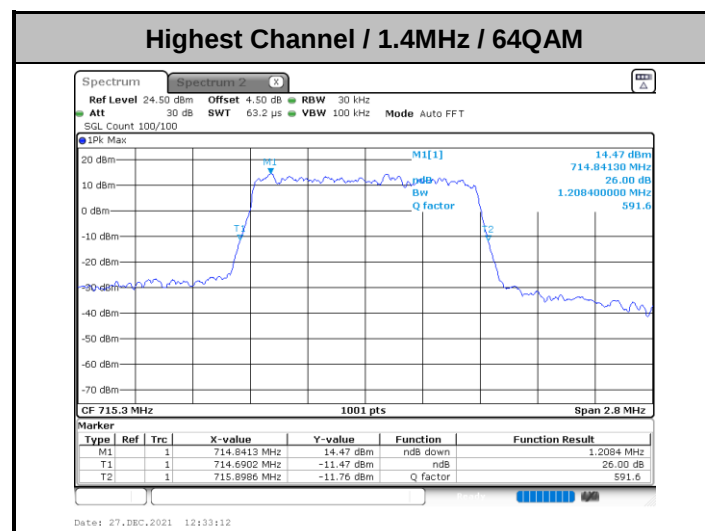
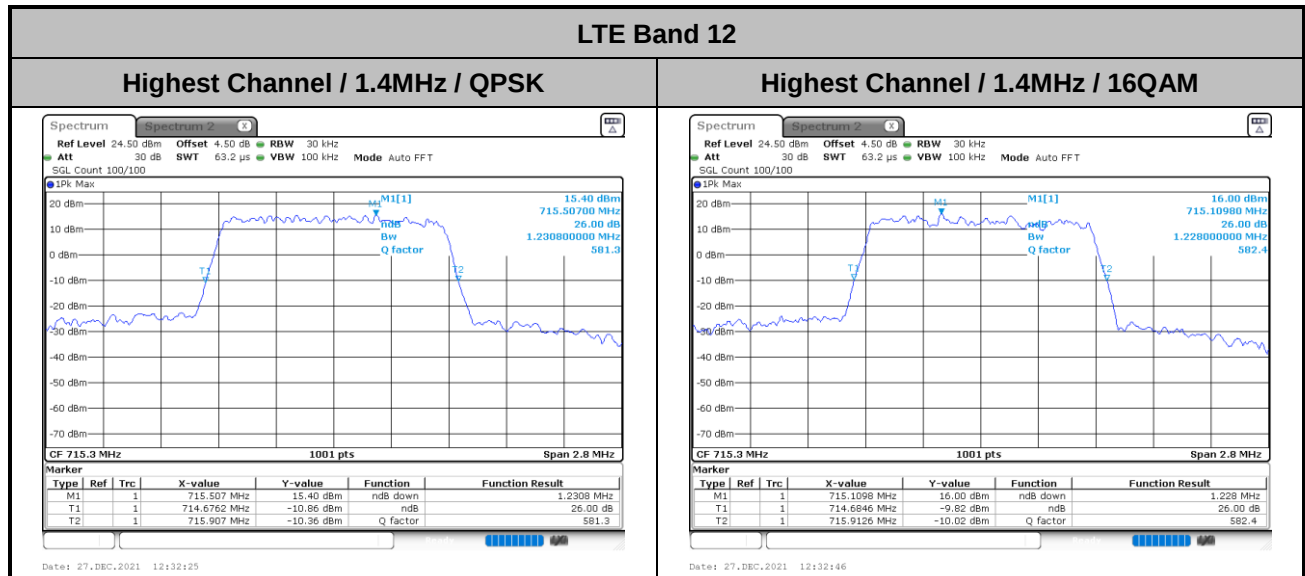


Mode	LTE Band 12 : 26dB BW(MHz)		
BW	1.4MHz		
Mod.	QPSK	16QAM	64QAM
Middle CH	1.21	1.23	1.21





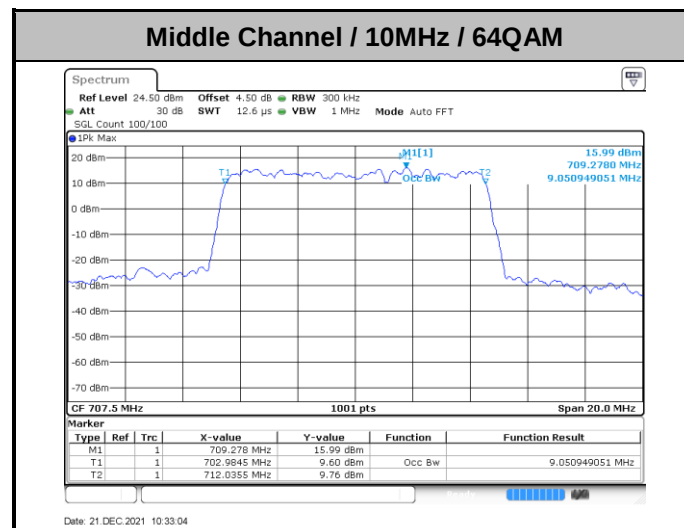
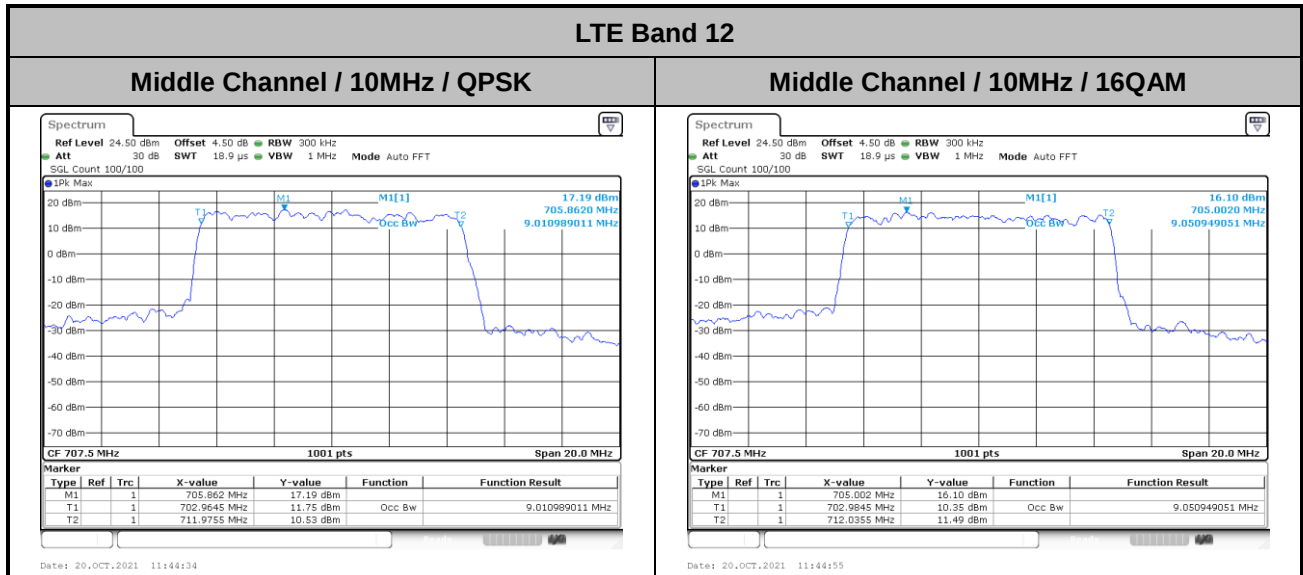
Mode	LTE Band 12 : 26dB BW(MHz)		
BW	1.4MHz		
Mod.	QPSK	16QAM	64QAM
Highest CH	1.23	1.23	1.21





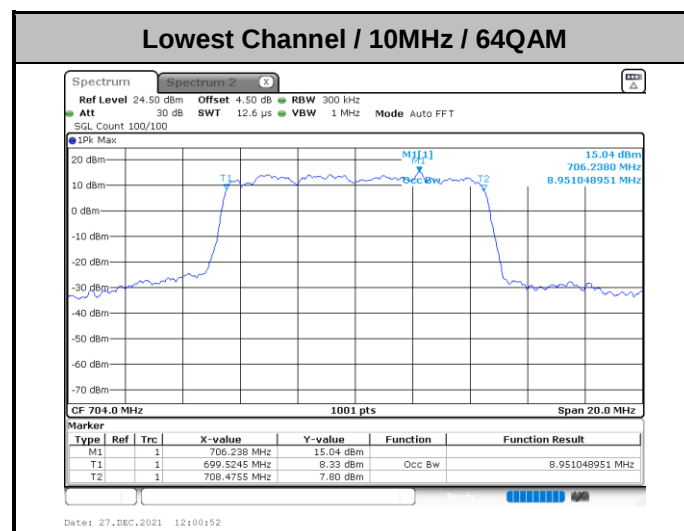
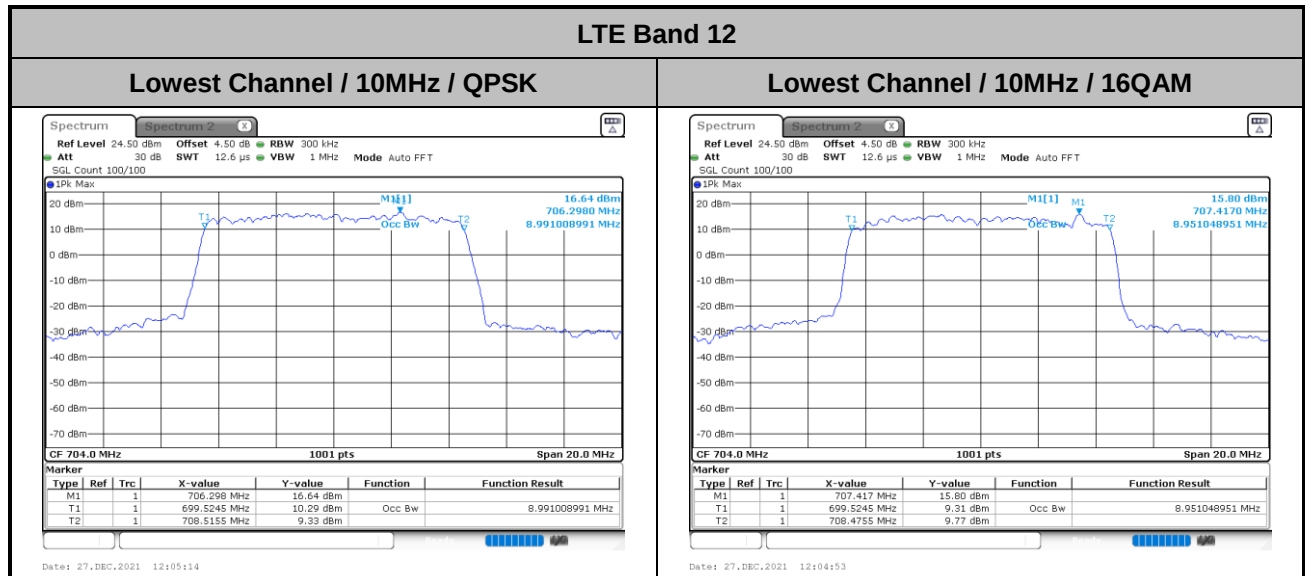
Occupied Bandwidth

Mode	LTE Band 12 : 99%OBW(MHz)		
BW	10MHz		
Mod.	QPSK	16QAM	64QAM
Middle CH	9.01	9.05	9.05



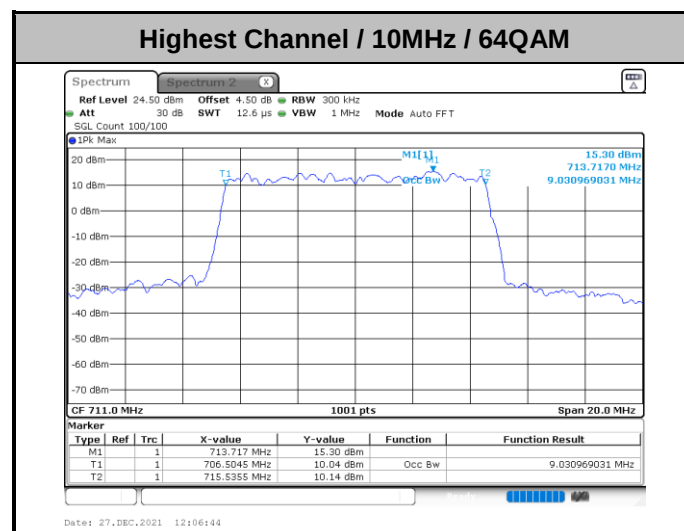
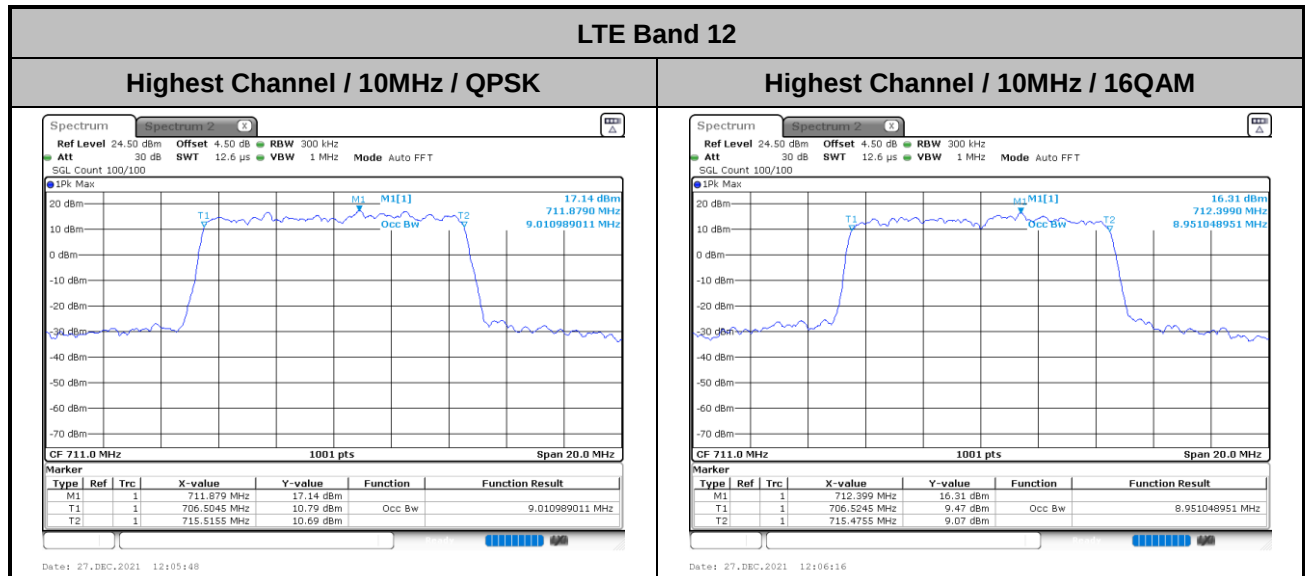


Mode	LTE Band 12 : 99%OBW(MHz)		
BW	10MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	8.99	8.95	8.95



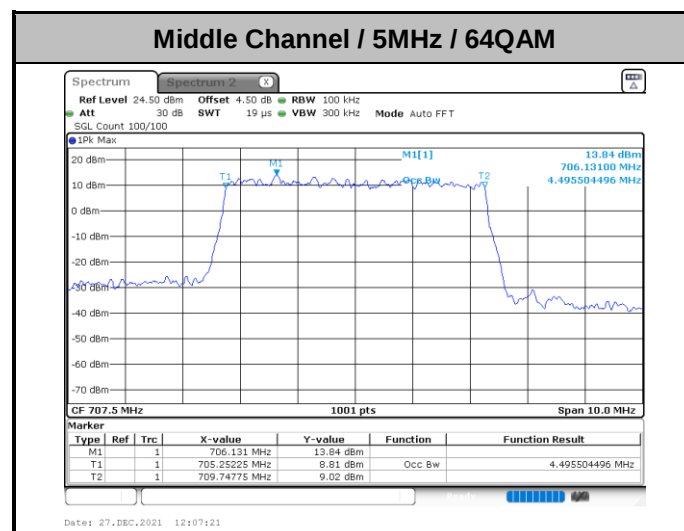
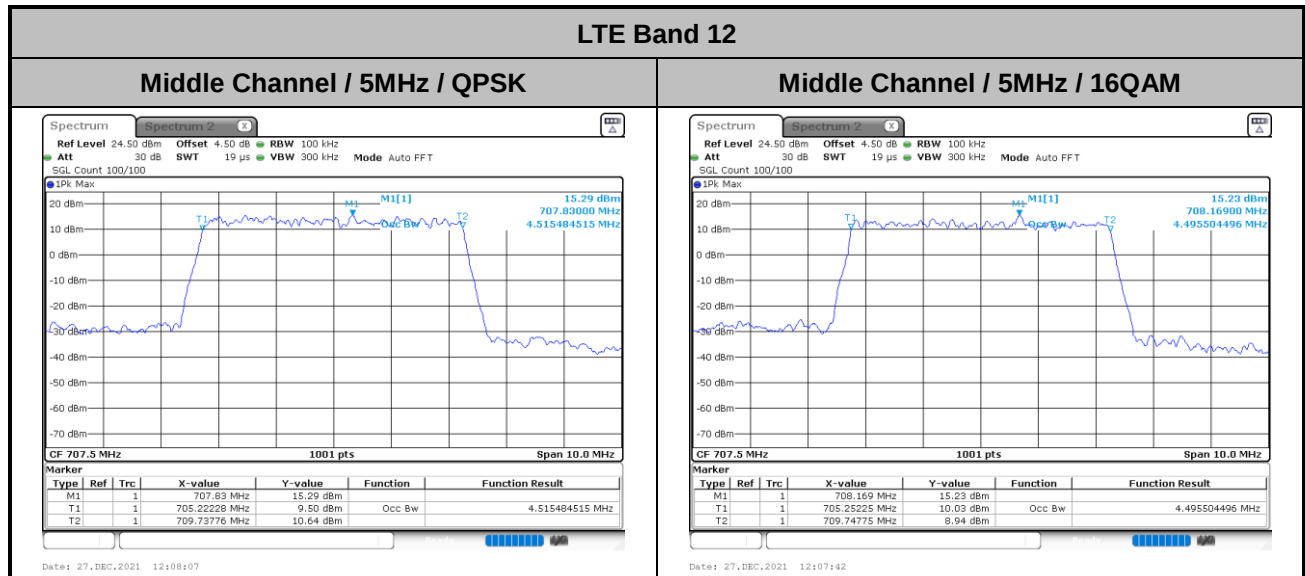


Mode	LTE Band 12 : 99%OBW(MHz)		
BW	10MHz		
Mod.	QPSK	16QAM	64QAM
Highest CH	9.01	8.95	9.03



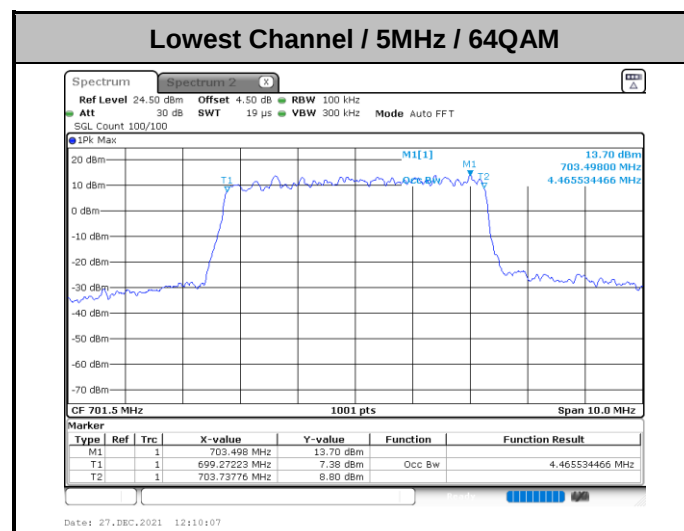
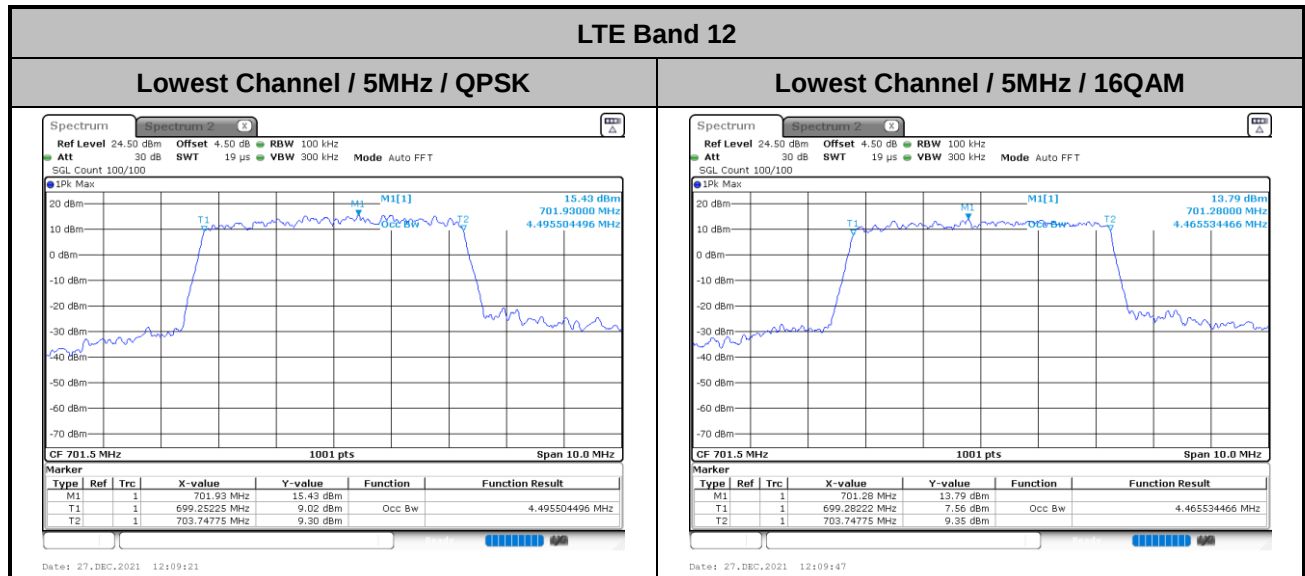


Mode	LTE Band 12 : 99%OBW(MHz)		
BW	5MHz		
Mod.	QPSK	16QAM	64QAM
Middle CH	4.52	4.50	4.50



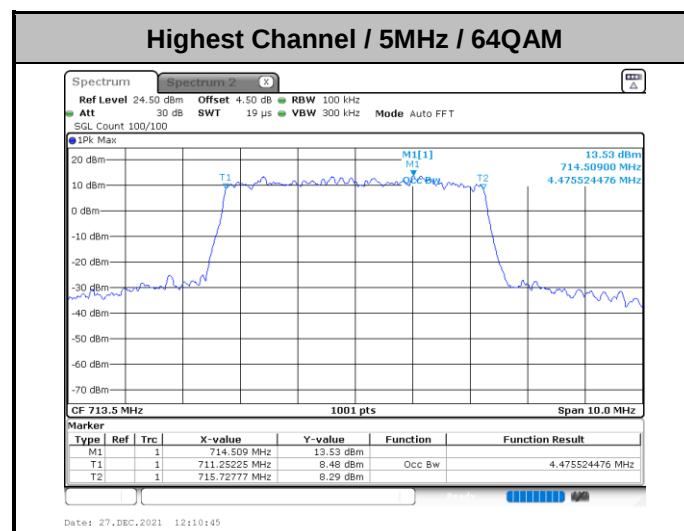
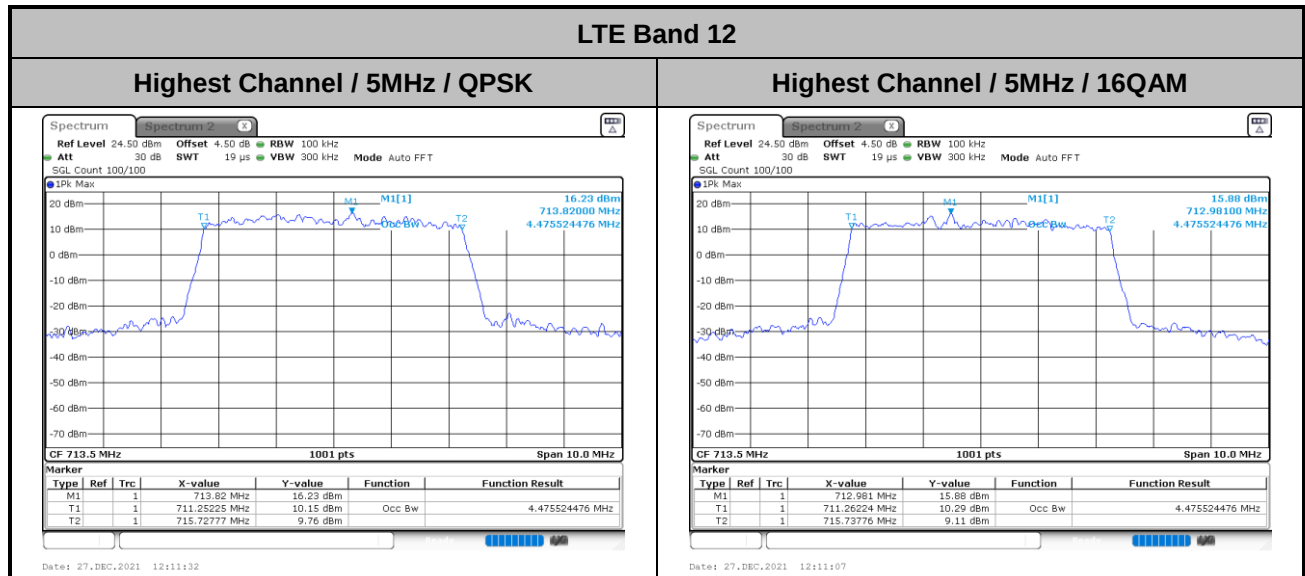


Mode	LTE Band 12 : 99%OBW(MHz)		
BW	5MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	4.50	4.47	4.47



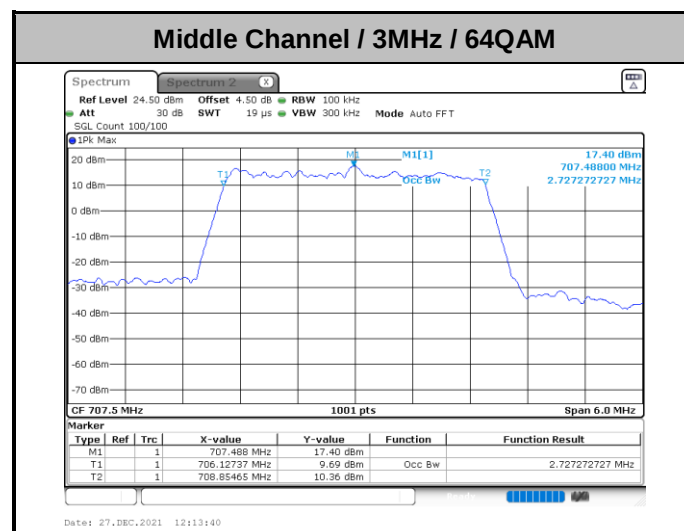
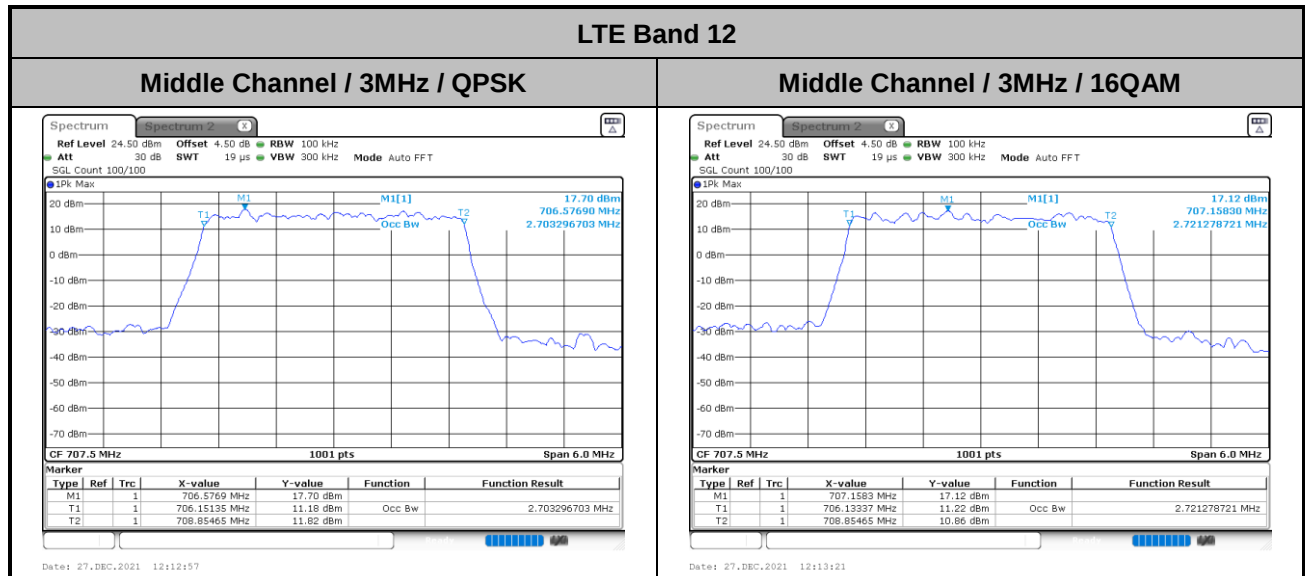


Mode	LTE Band 12 : 99%OBW(MHz)		
BW	5MHz		
Mod.	QPSK	16QAM	64QAM
Highest CH	4.48	4.48	4.48



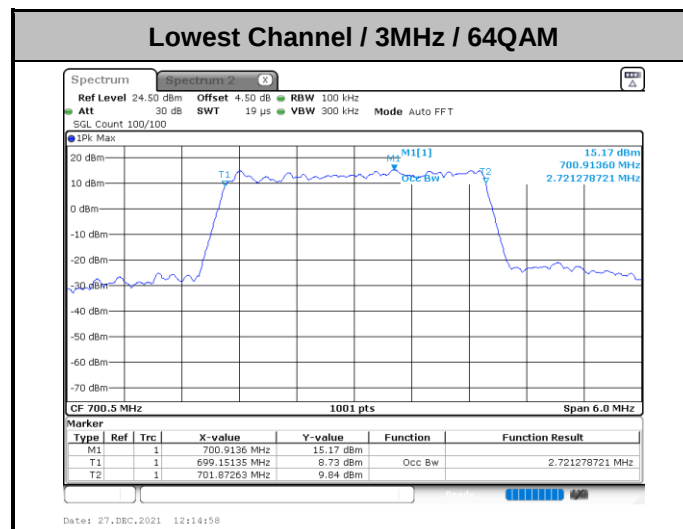
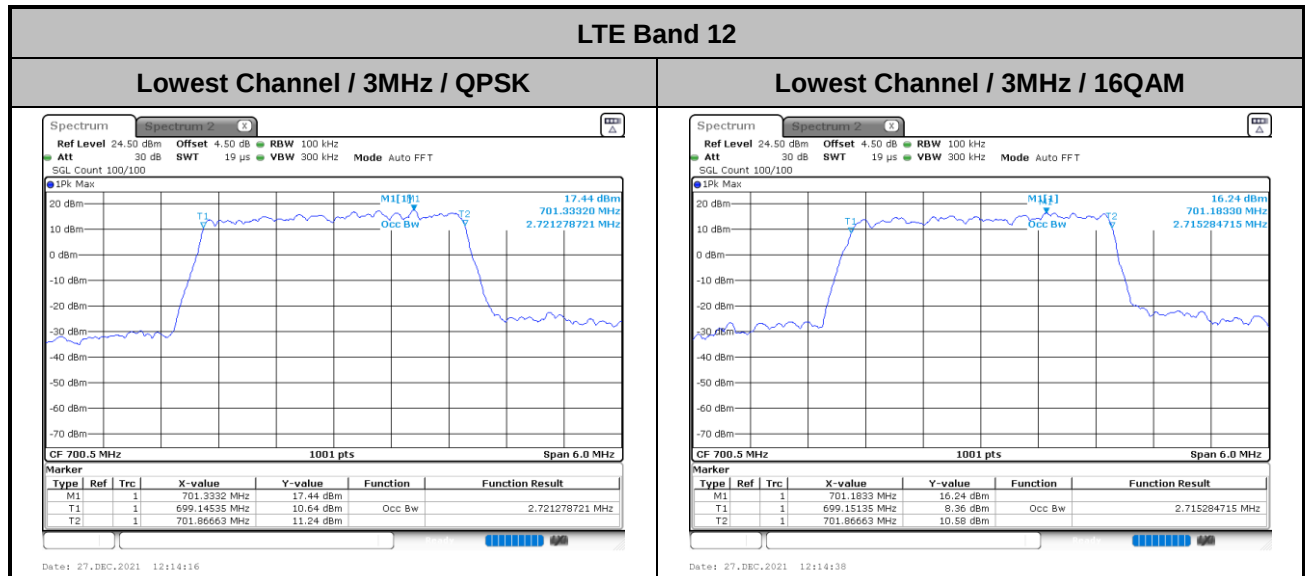


Mode	LTE Band 12 : 99%OBW(MHz)		
BW	3MHz		
Mod.	QPSK	16QAM	64QAM
Middle CH	2.70	2.72	2.73



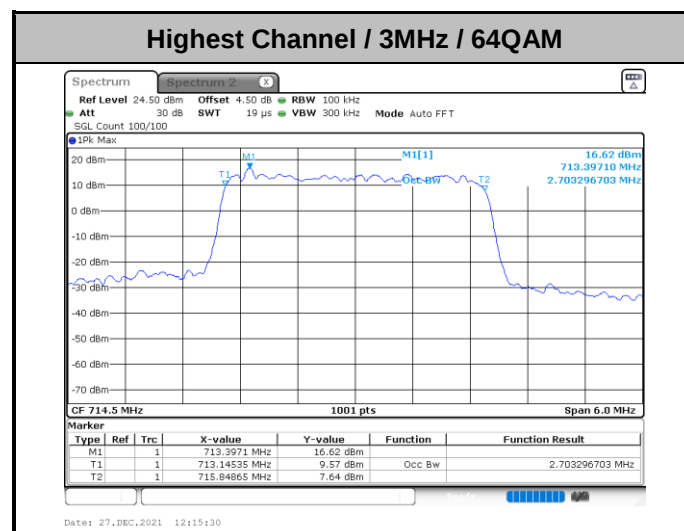
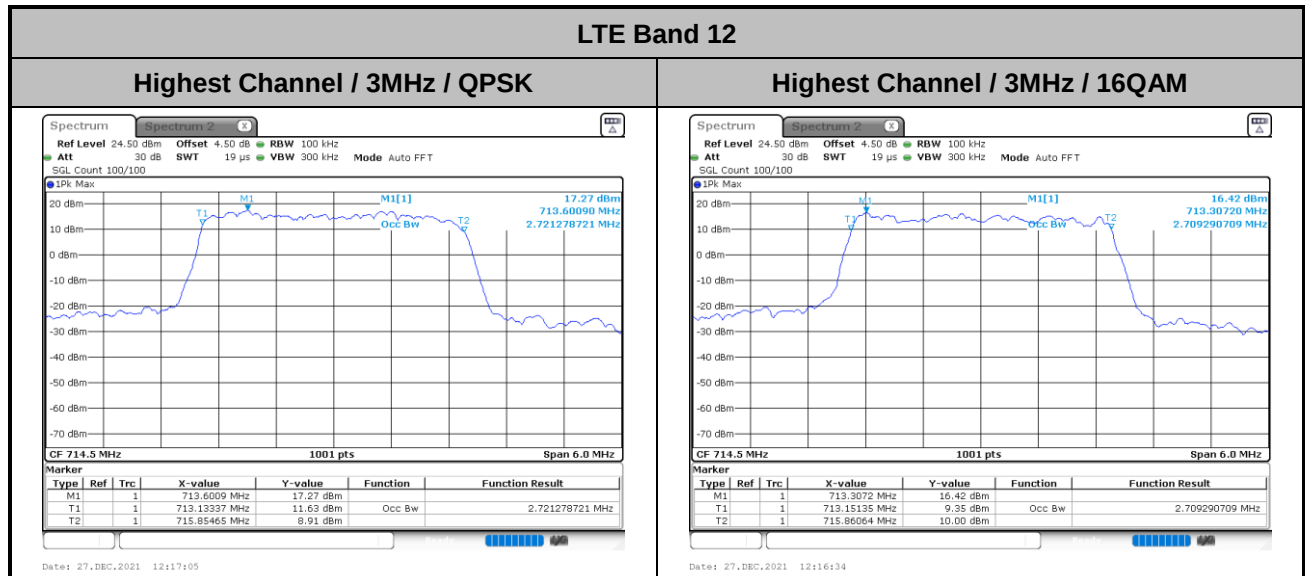


Mode	LTE Band 12 : 99%OBW(MHz)		
BW	3MHz		
Mod.	QPSK	16QAM	64QAM
Middle CH	2.72	2.72	2.72



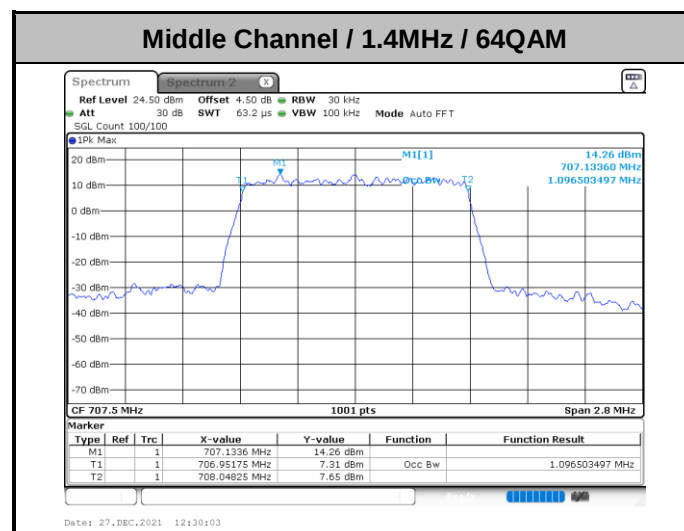
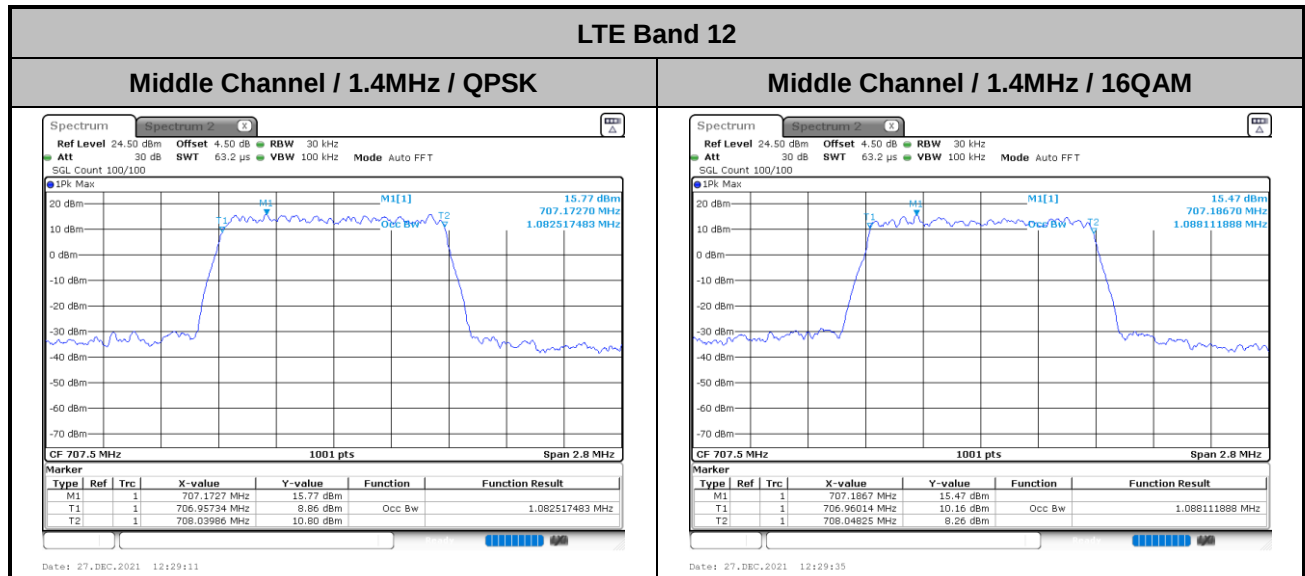


Mode	LTE Band 12 : 99%OBW(MHz)		
BW	3MHz		
Mod.	QPSK	16QAM	64QAM
Middle CH	2.72	2.71	2.70



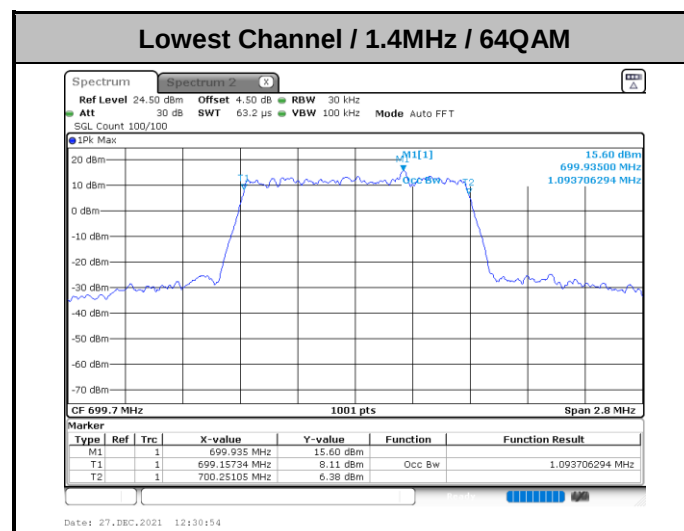
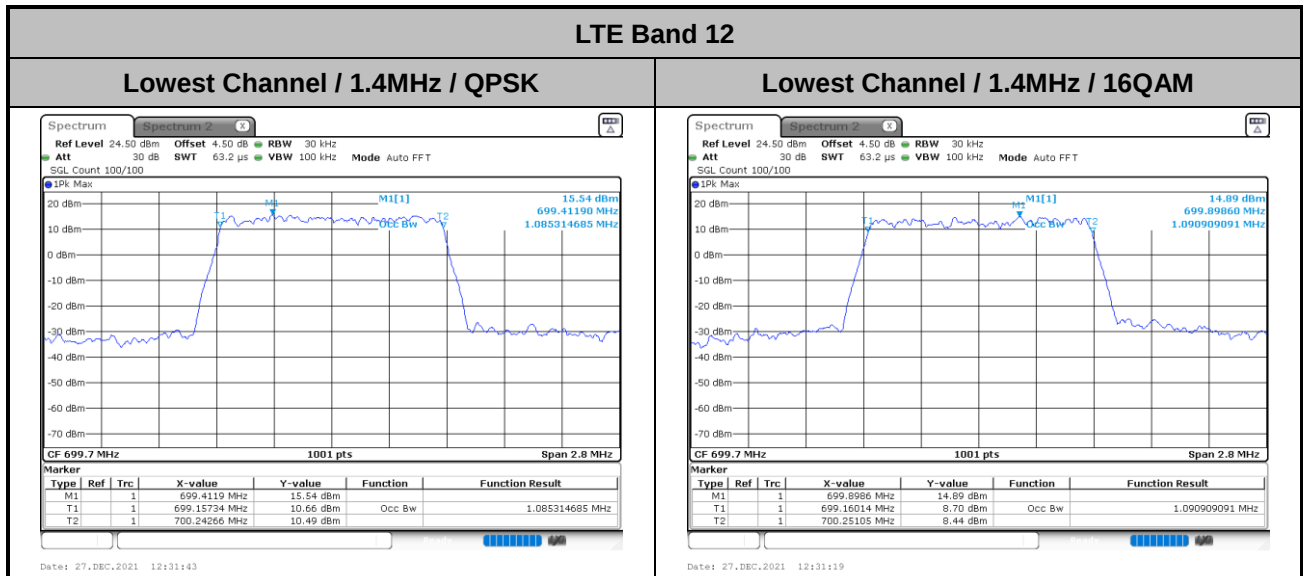


Mode	LTE Band 12 : 99%OBW(MHz)		
BW	1.4MHz		
Mod.	QPSK	16QAM	64QAM
Middle CH	1.08	1.09	1.10



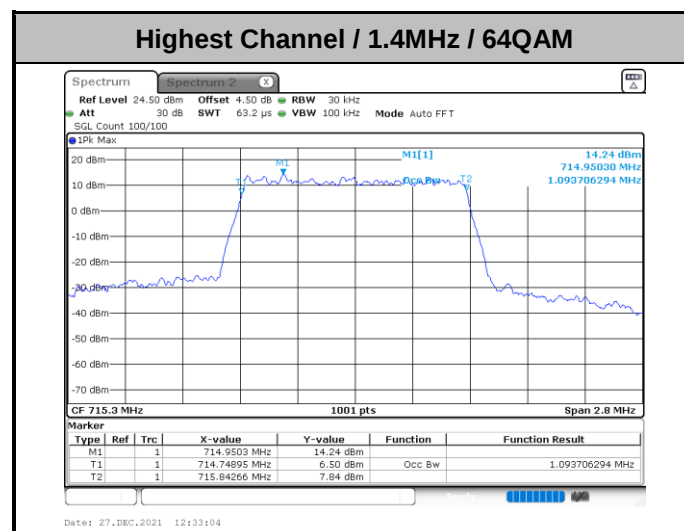
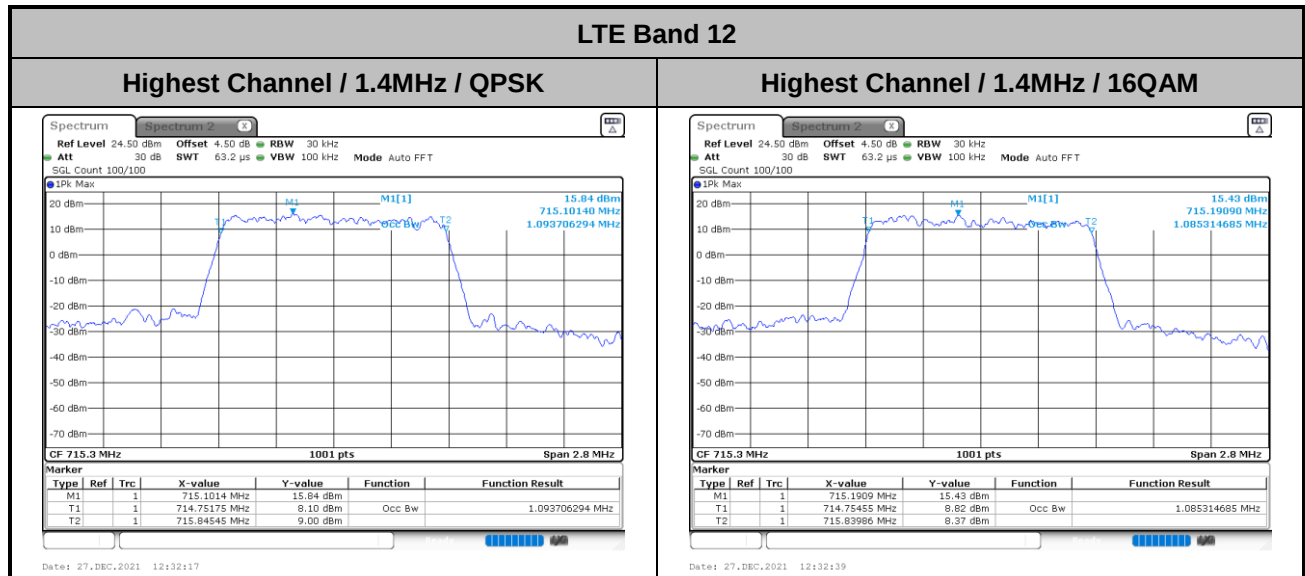


Mode	LTE Band 12 : 99%OBW(MHz)		
BW	1.4MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	1.09	1.09	1.09





Mode	LTE Band 12 : 99%OBW(MHz)		
BW	1.4MHz		
Mod.	QPSK	16QAM	64QAM
Highest CH	1.09	1.09	1.09

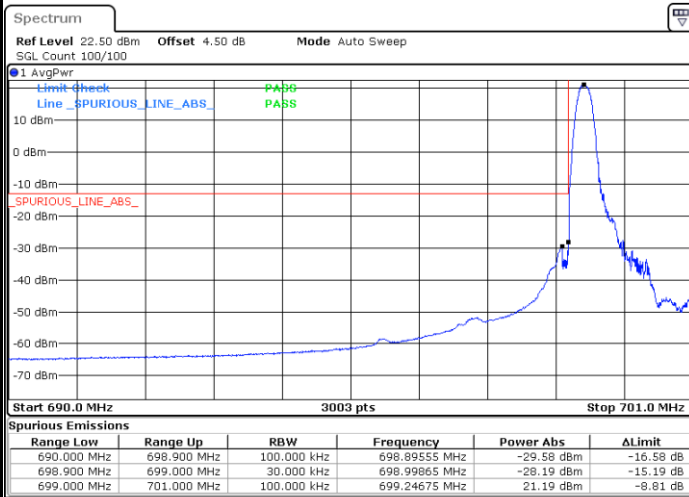




Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

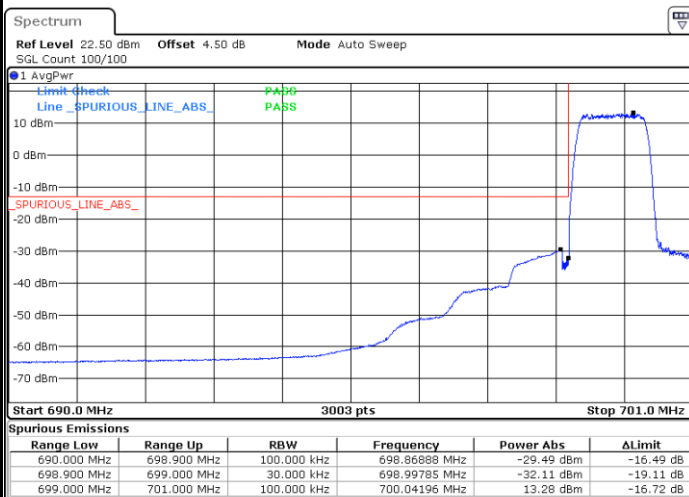
Lowest Band Edge / 1RB



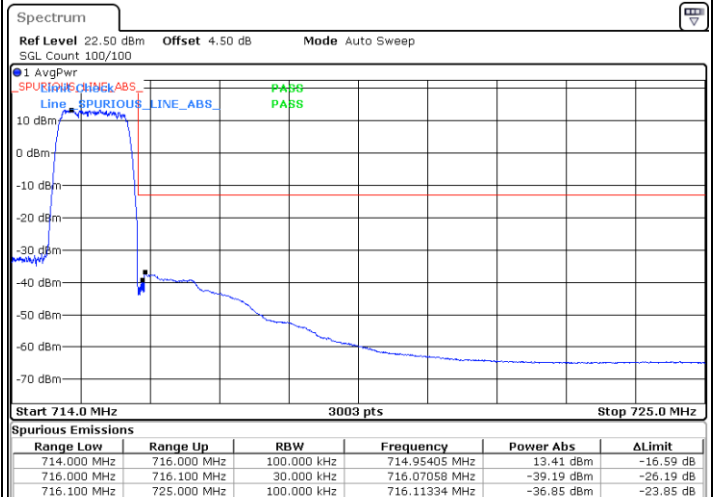
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



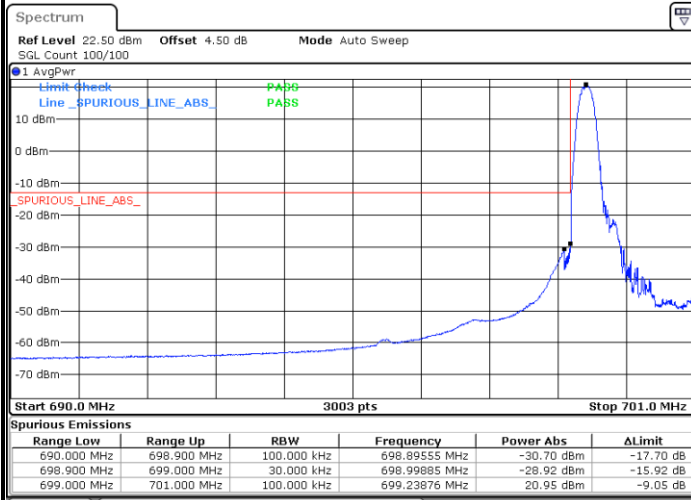
Highest Band Edge / Full RB



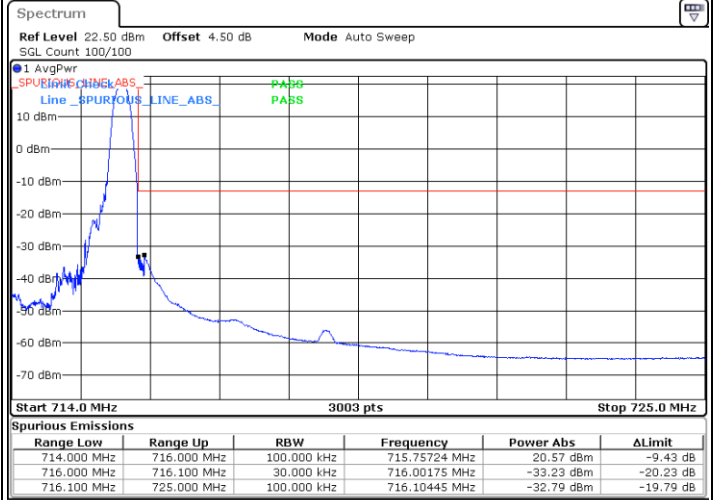


LTE Band 12 / 1.4MHz / 16QAM

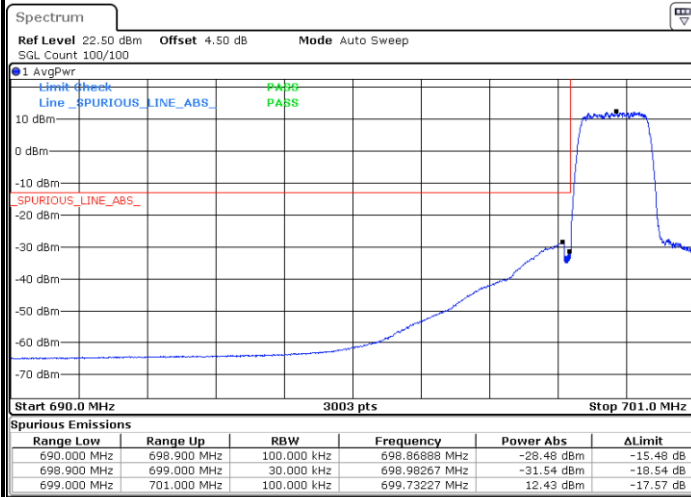
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

