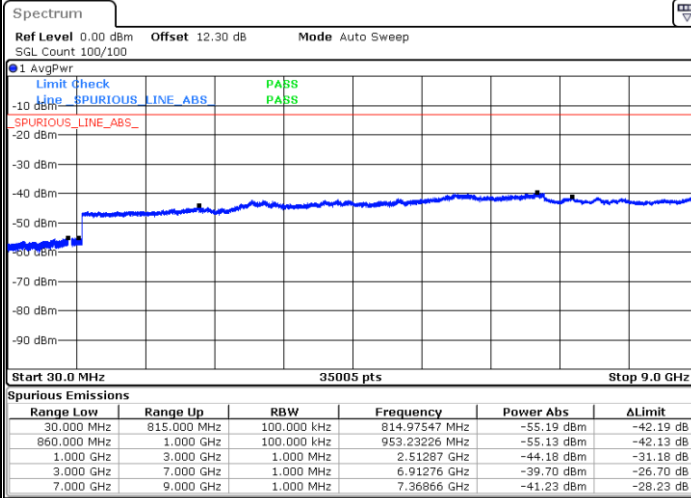




Conducted Spurious Emission

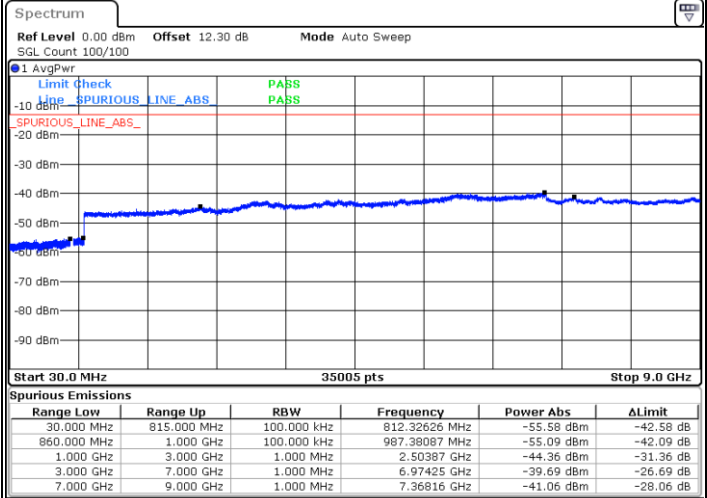
LTE Band 26 / 1.4MHz

Lowest Channel / QPSK



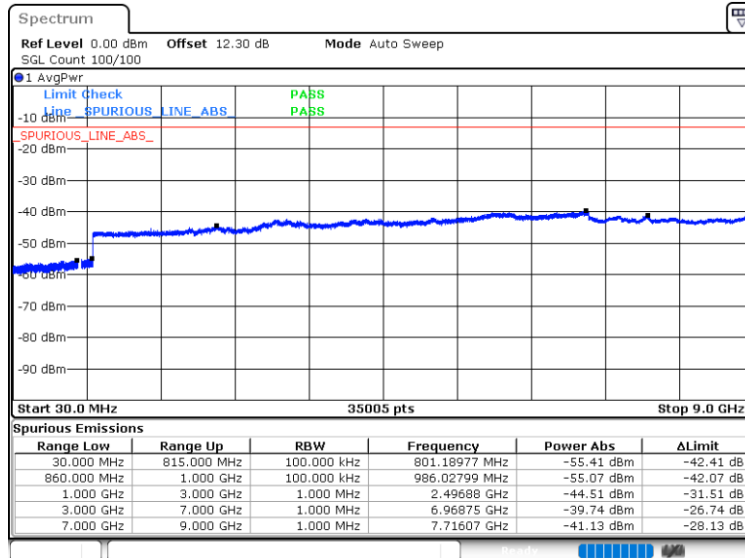
Date: 9.MAR.2023 15:27:14

Middle Channel / QPSK



Date: 9.MAR.2023 15:29:44

Highest Channel / QPSK

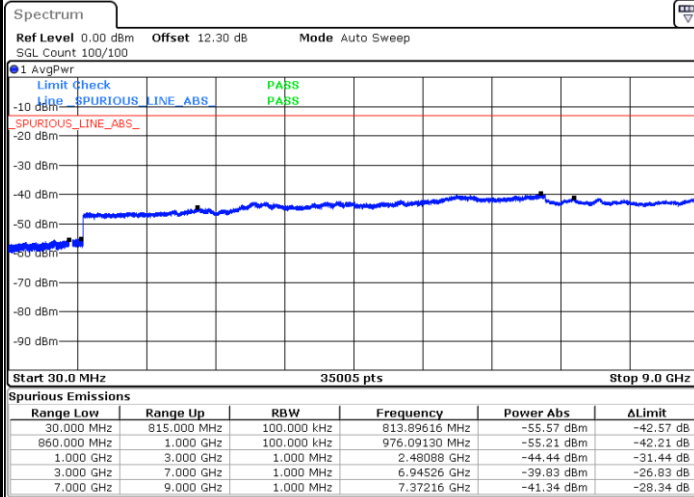


Date: 9.MAR.2023 15:35:31



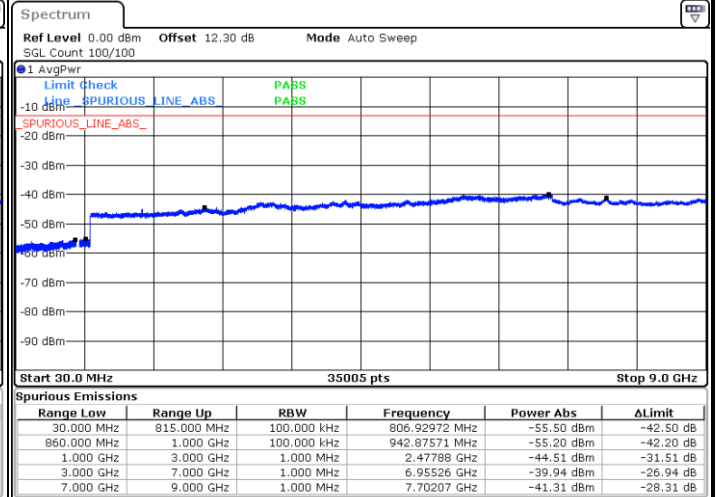
LTE Band 26 / 3MHz

Lowest Channel / QPSK



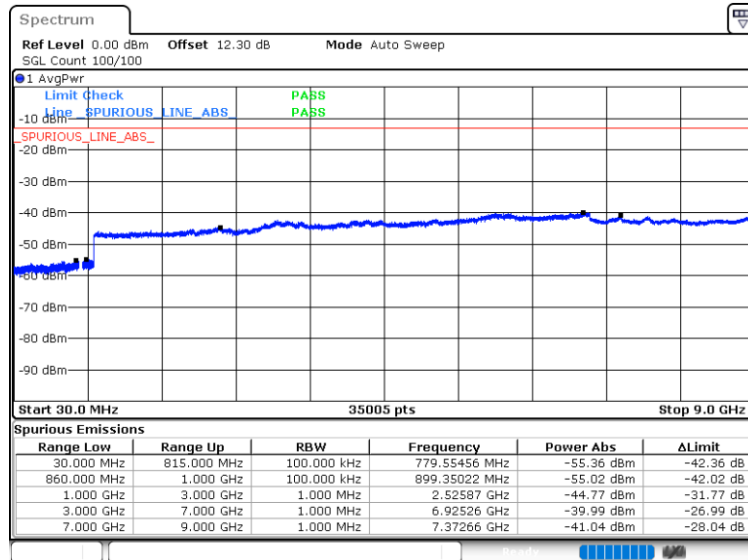
Date: 9.MAR.2023 16:08:38

Middle Channel / QPSK



Date: 9.MAR.2023 16:09:31

Highest Channel / QPSK

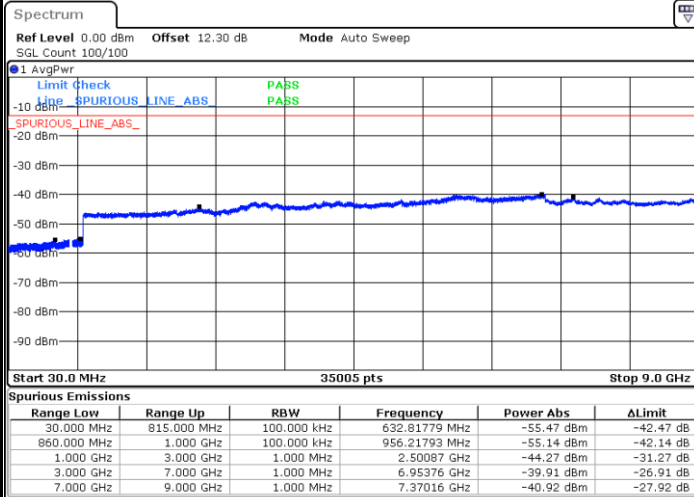


Date: 9.MAR.2023 16:10:24



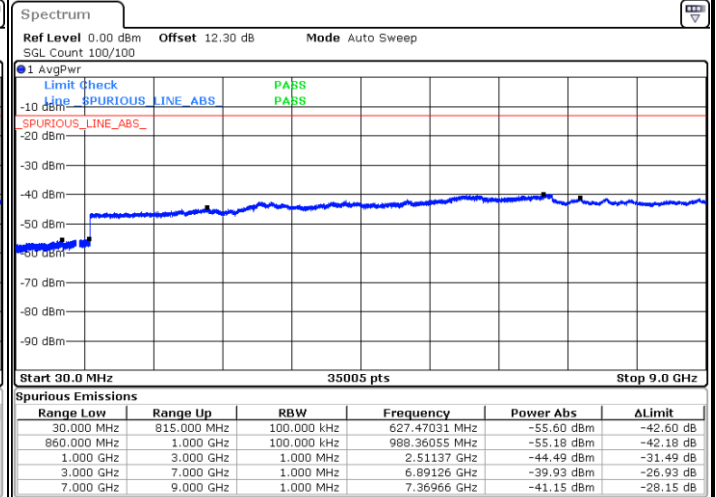
LTE Band 26 / 5MHz

Lowest Channel / QPSK



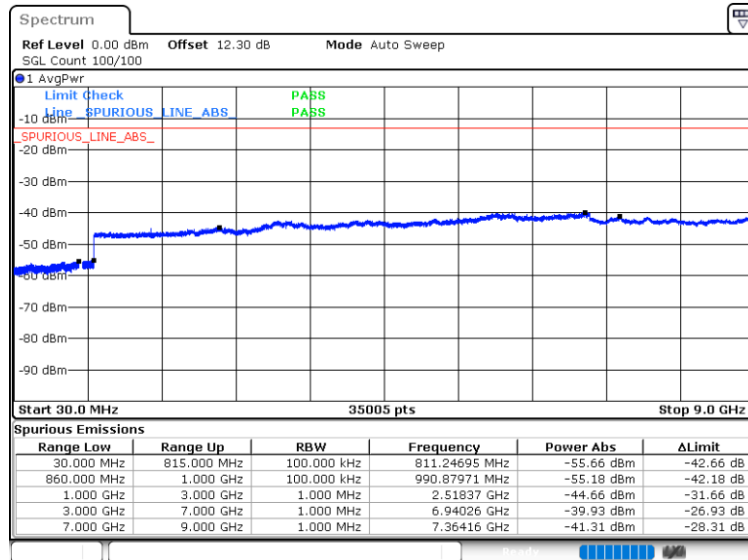
Date: 9.MAR.2023 16:11:17

Middle Channel / QPSK



Date: 9.MAR.2023 16:12:11

Highest Channel / QPSK

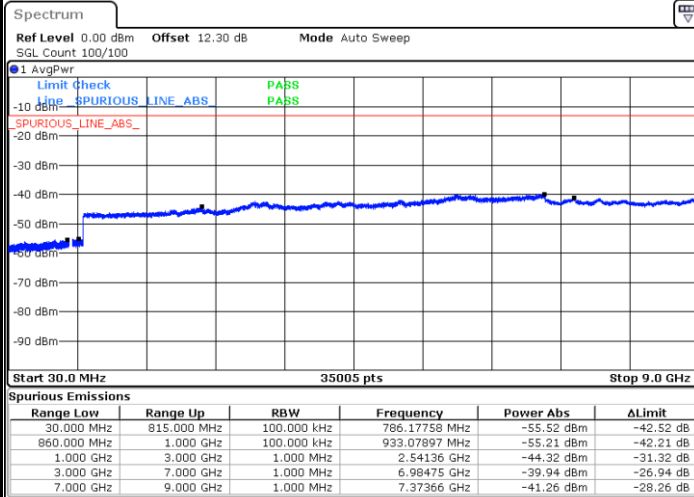


Date: 9.MAR.2023 16:13:04



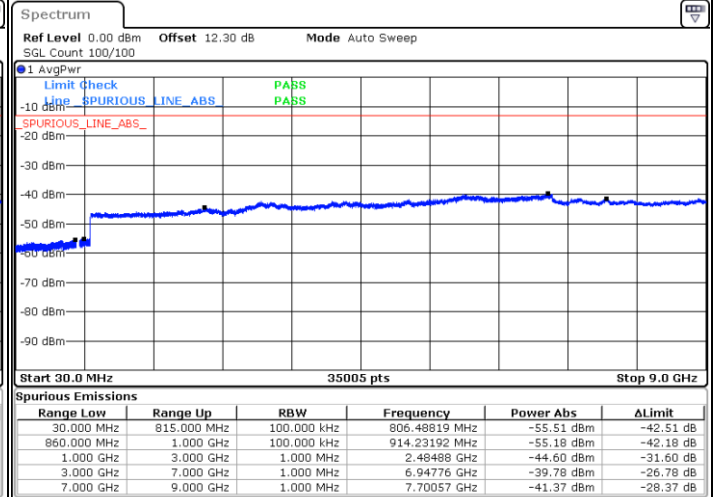
LTE Band 26 / 10MHz

Lowest Channel / QPSK



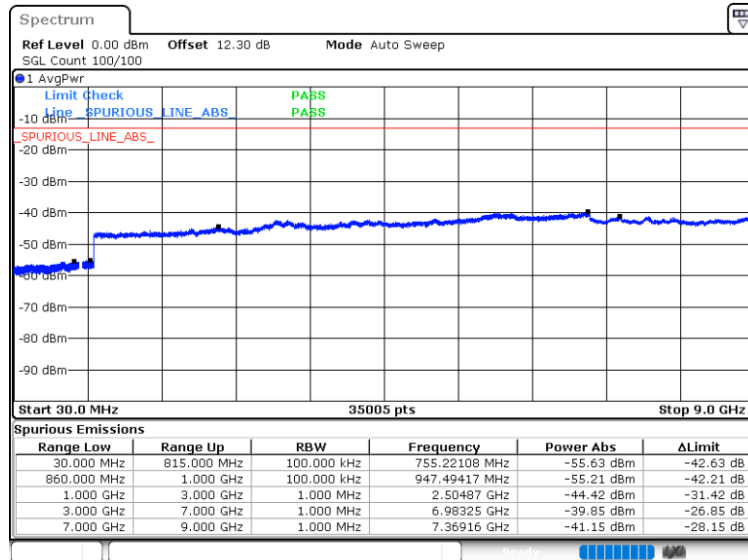
Date: 9.MAR.2023 16:03:20

Middle Channel / QPSK



Date: 9.MAR.2023 16:04:13

Highest Channel / QPSK

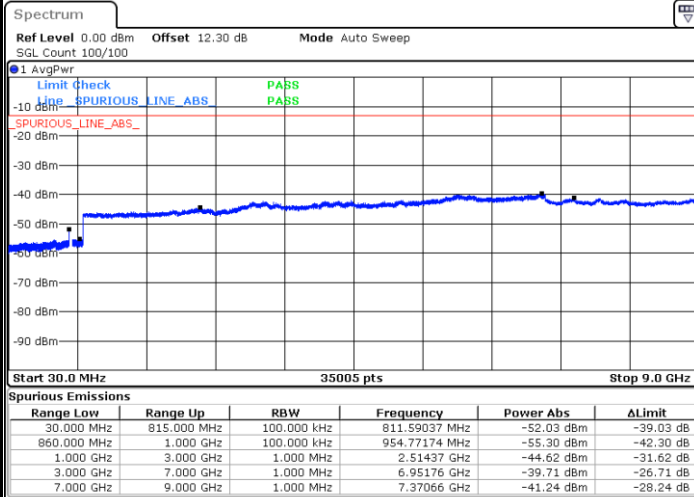


Date: 9.MAR.2023 16:05:06



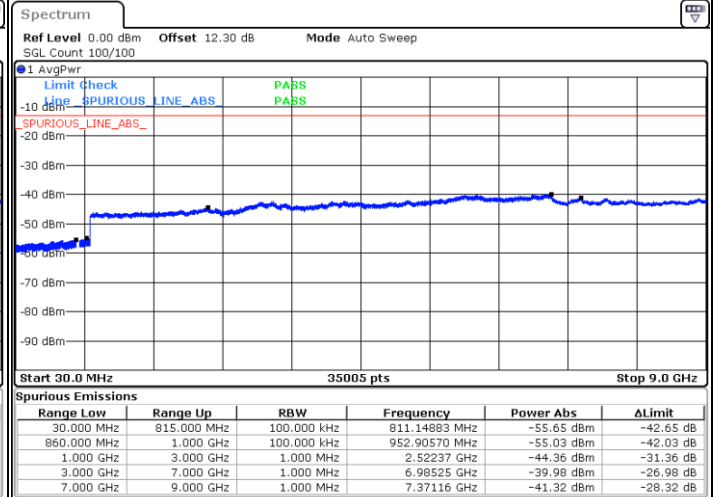
LTE Band 26 / 15MHz

Lowest Channel / QPSK



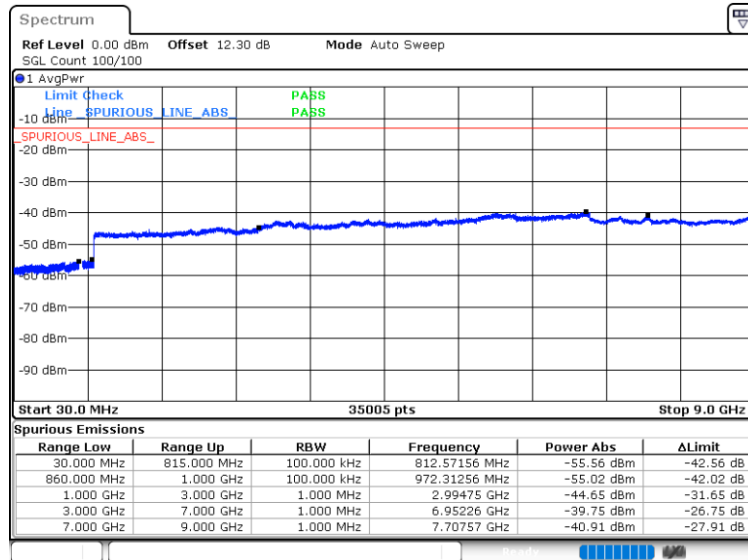
Date: 9.MAR.2023 16:05:59

Middle Channel / QPSK



Date: 9.MAR.2023 16:06:52

Highest Channel / QPSK



Date: 9.MAR.2023 16:07:44

Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
35	Normal Voltage	0.0208	PASS
30	Normal Voltage	0.0030	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0008	
20	Maximum Voltage	0.0188	
20	Normal Voltage	0.0025	
20	Battery End Point	0.0078	

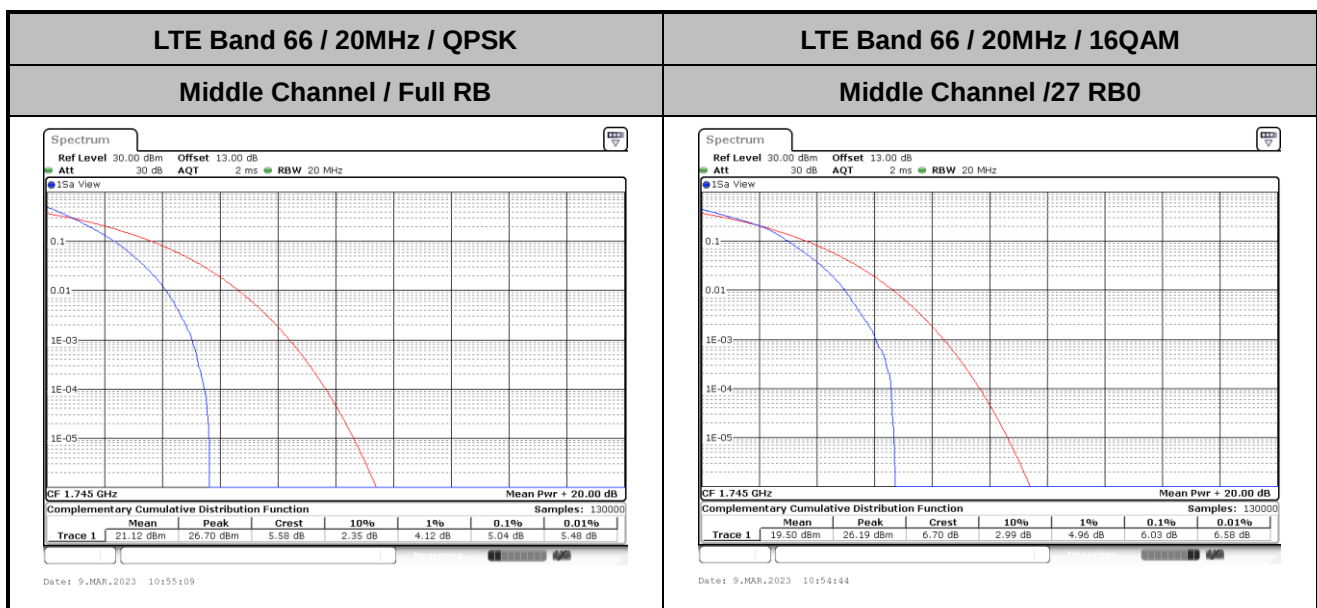
Note: Normal Voltage = 3.87 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.



LTE Band 66

Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	27RB0	Result
Middle CH	5.04	6.03	PASS





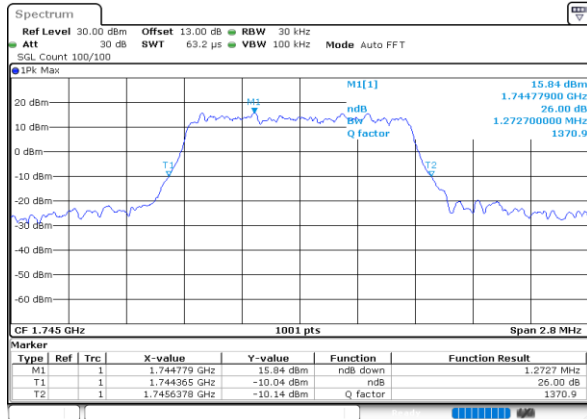
26dB Bandwidth

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
Middle CH	1.27	1.26	3.01	3.04	4.88	5.00	9.71	5.51	14.21	5.69	19.10	5.51

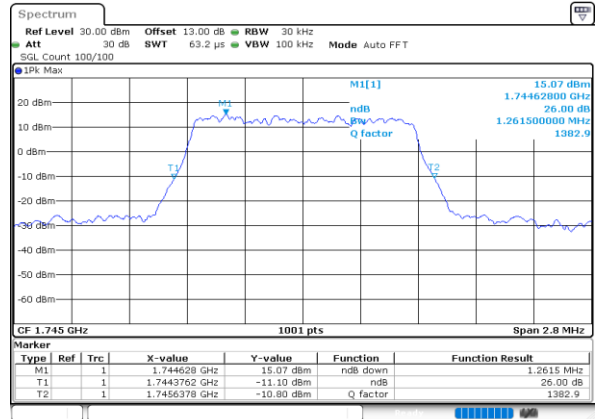


LTE Band 66

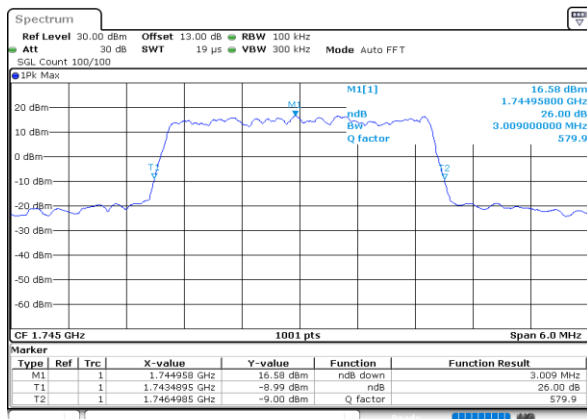
Middle Channel / 1.4MHz / QPSK



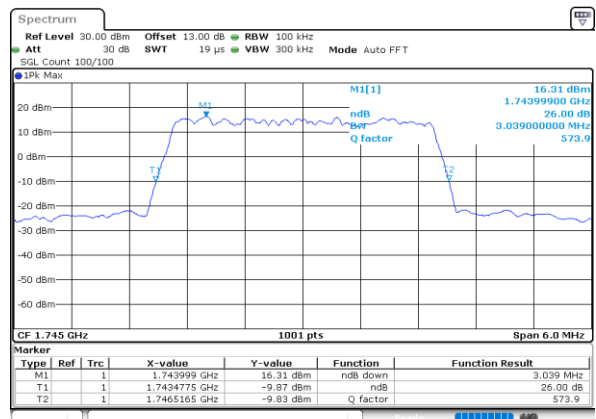
Middle Channel / 1.4MHz / 16QAM



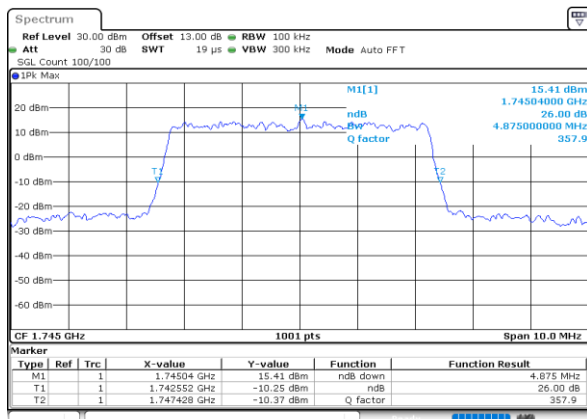
Middle Channel / 3MHz / QPSK



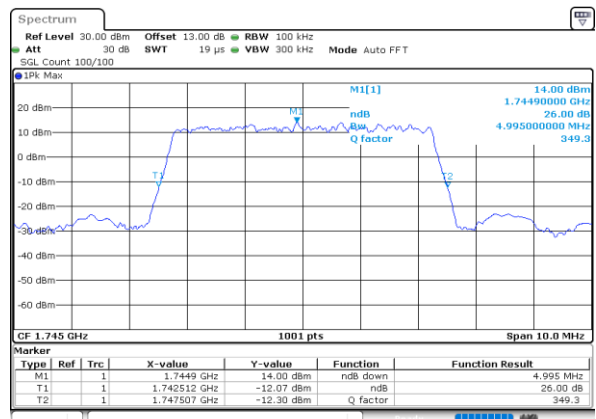
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



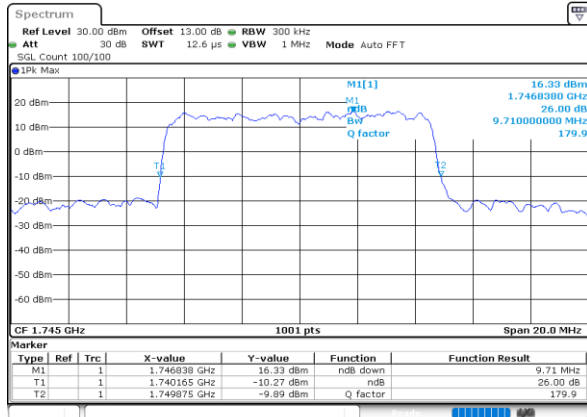
Middle Channel / 5MHz / 16QAM



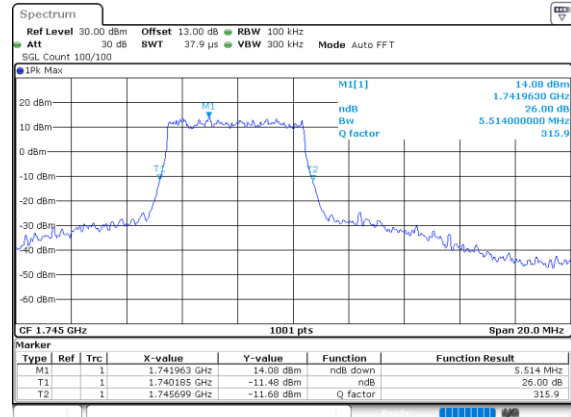


LTE Band 66

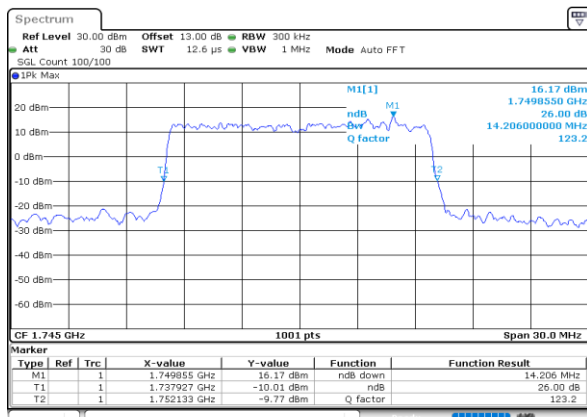
Middle Channel / 10MHz / QPSK



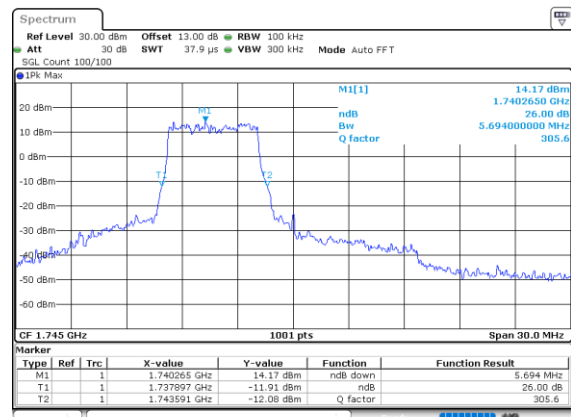
Middle Channel / 10MHz / 16QAM



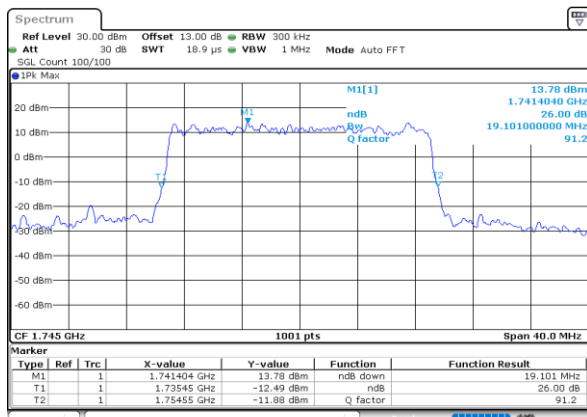
Middle Channel / 15MHz / QPSK



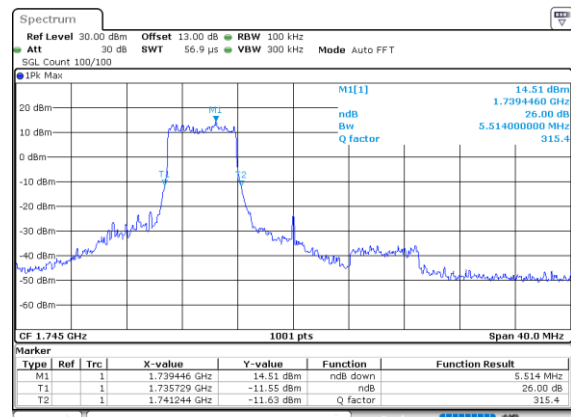
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM





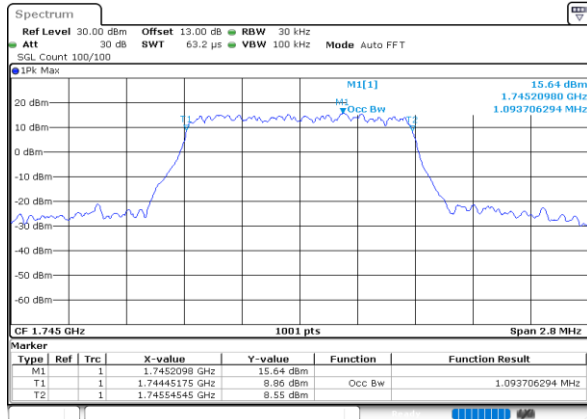
Occupied Bandwidth

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
Middle CH	1.09	1.09	2.70	2.72	4.48	4.49	9.03	4.86	13.43	4.89	17.90	4.84

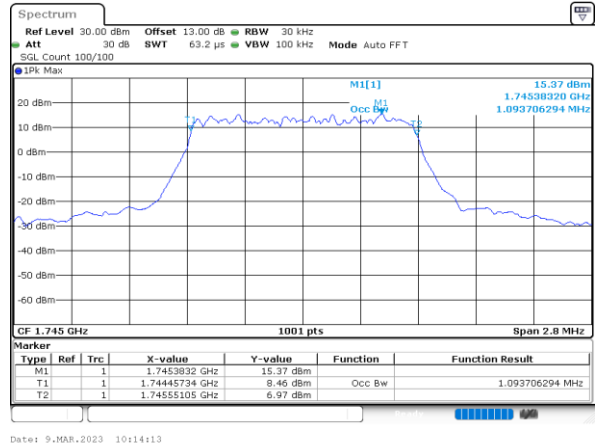


LTE Band 66

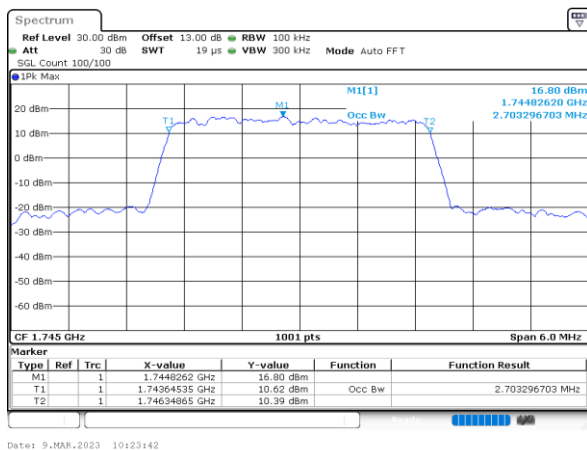
Middle Channel / 1.4MHz / QPSK



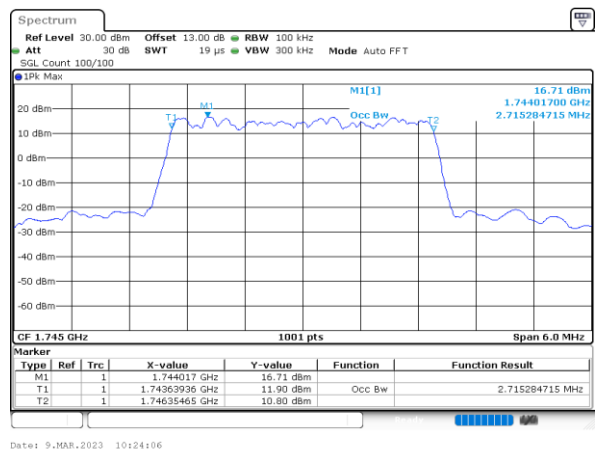
Middle Channel / 1.4MHz / 16QAM



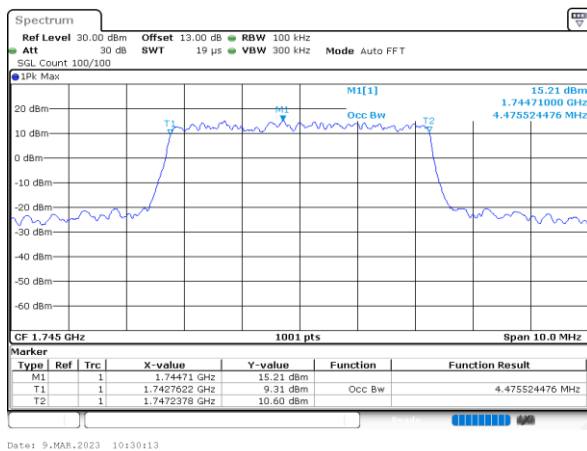
Middle Channel / 3MHz / QPSK



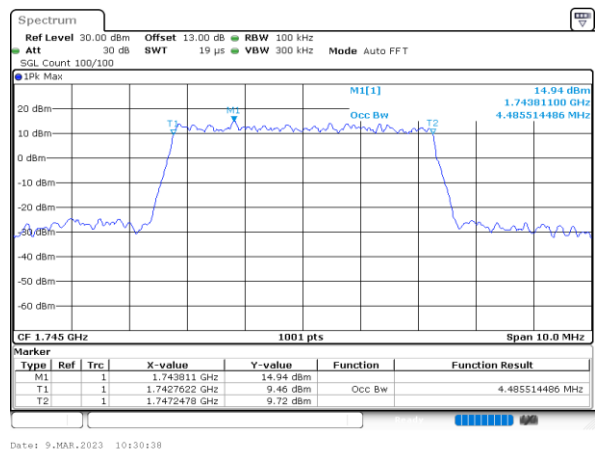
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



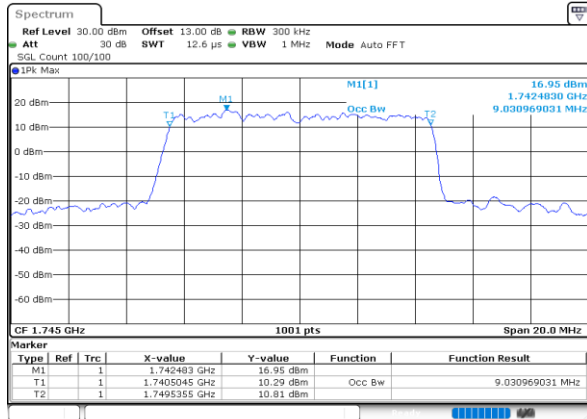
Middle Channel / 5MHz / 16QAM



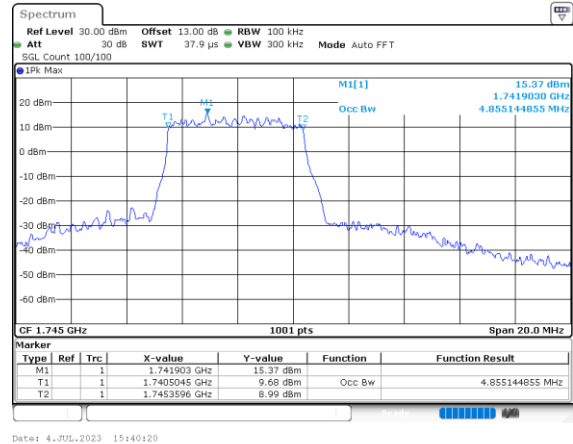


LTE Band 66

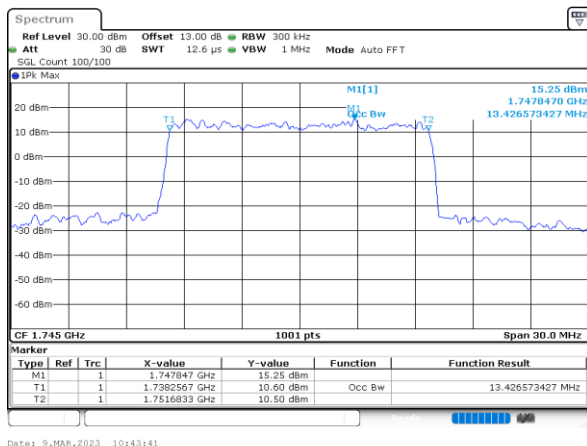
Middle Channel / 10MHz / QPSK



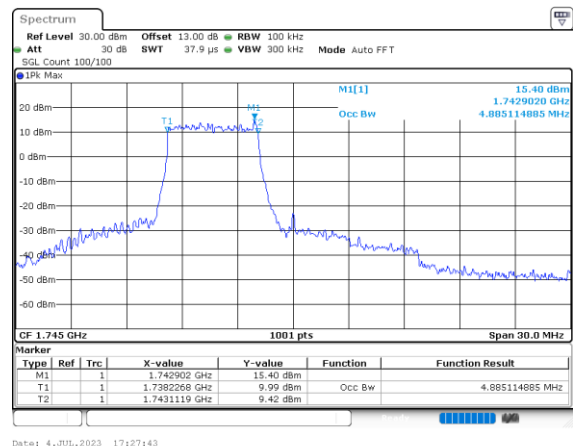
Middle Channel / 10MHz / 16QAM



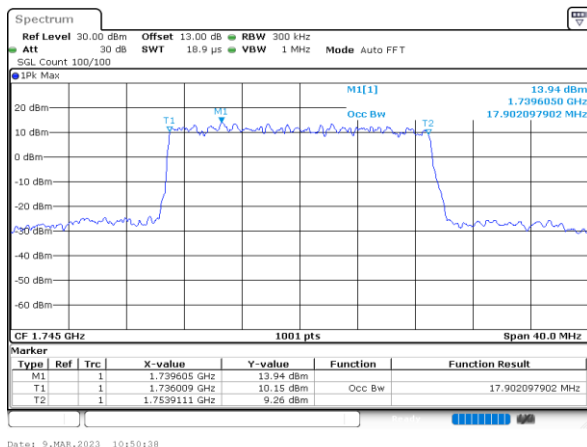
Middle Channel / 15MHz / QPSK



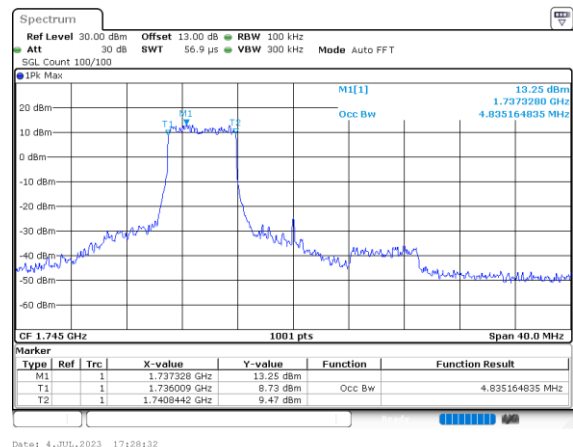
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

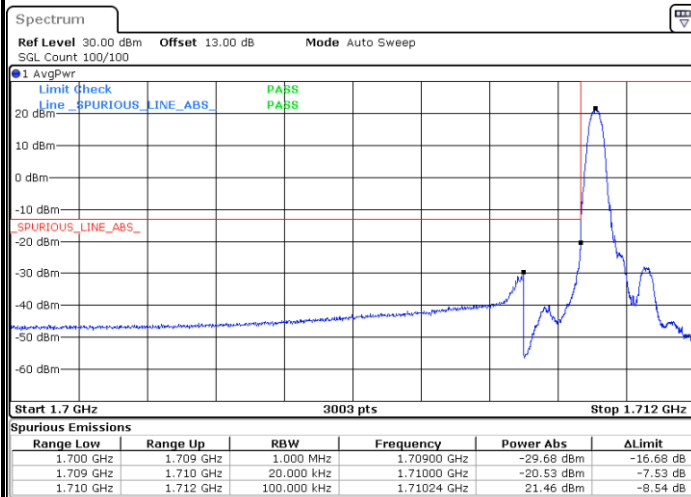




Conducted Band Edge

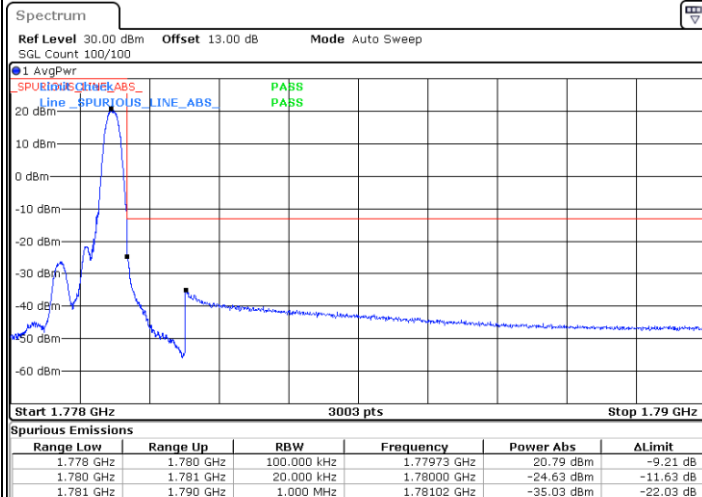
LTE Band 66 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



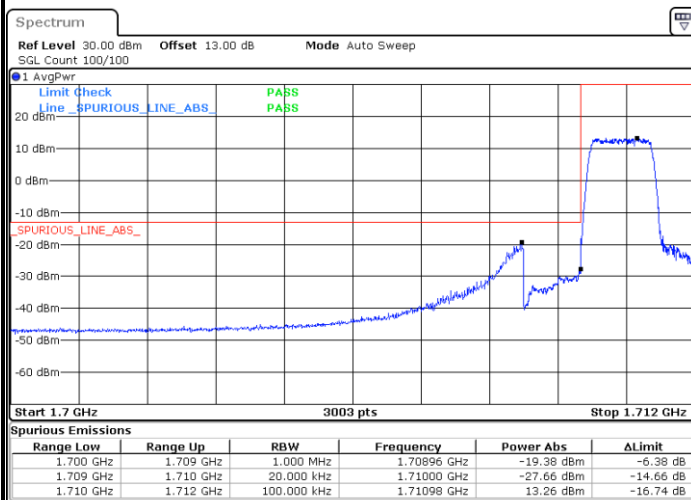
Date: 9.MAR.2023 10:08:50

Highest Band Edge / 1RB



Date: 9.MAR.2023 10:17:08

Lowest Band Edge / Full RB



Date: 9.MAR.2023 10:11:17

Highest Band Edge / Full RB

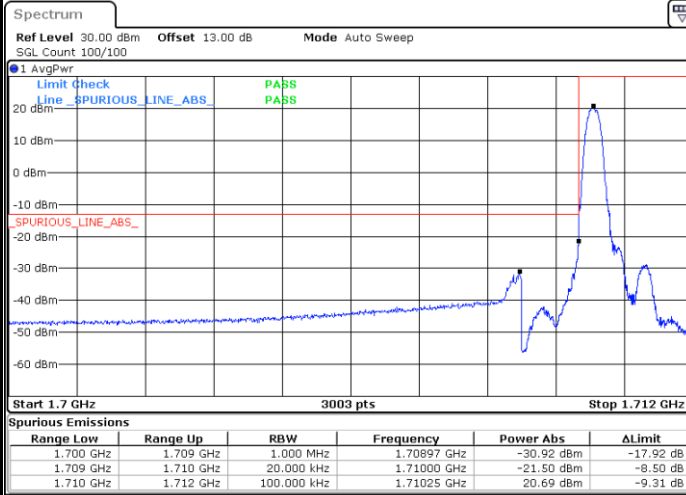


Date: 9.MAR.2023 10:19:36

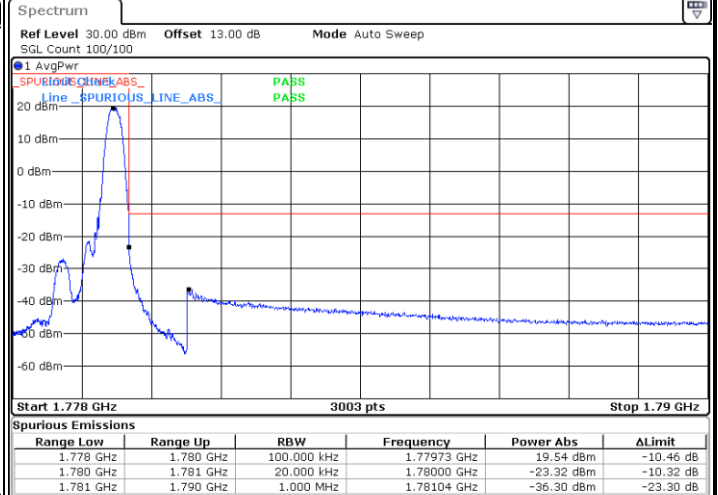


LTE Band 66 / 1.4MHz / 16QAM

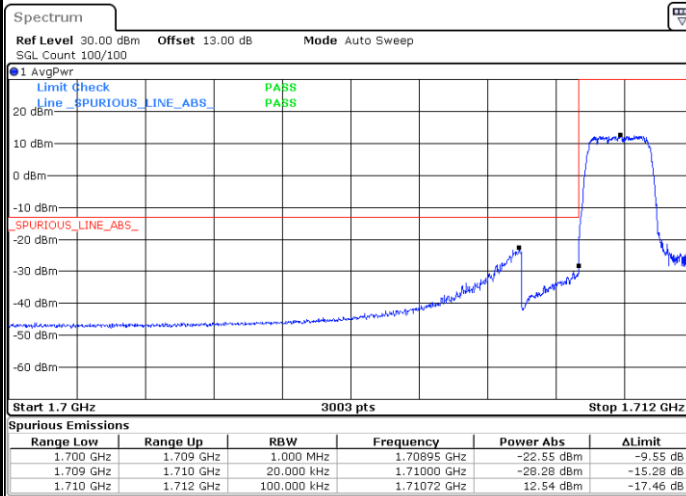
Lowest Band Edge / 1 RB



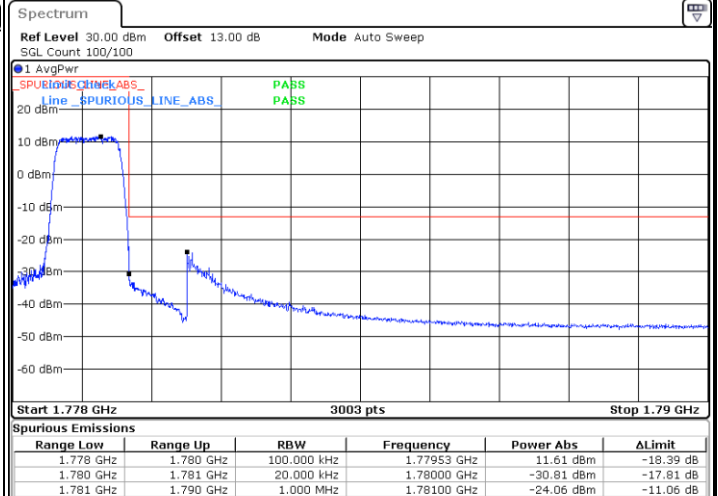
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



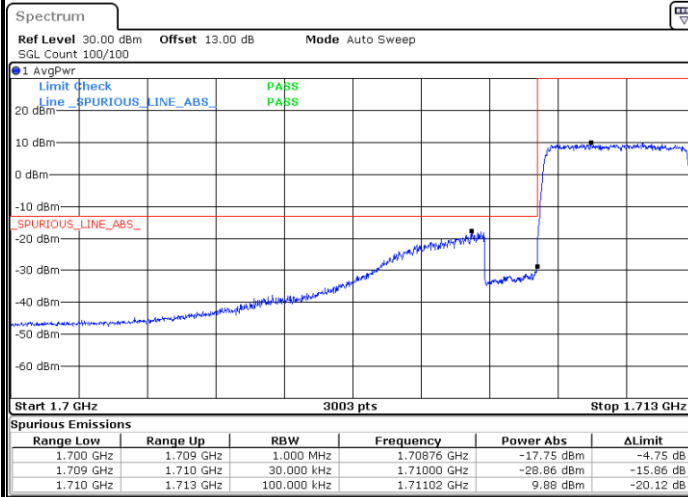
Highest Band Edge / Full RB



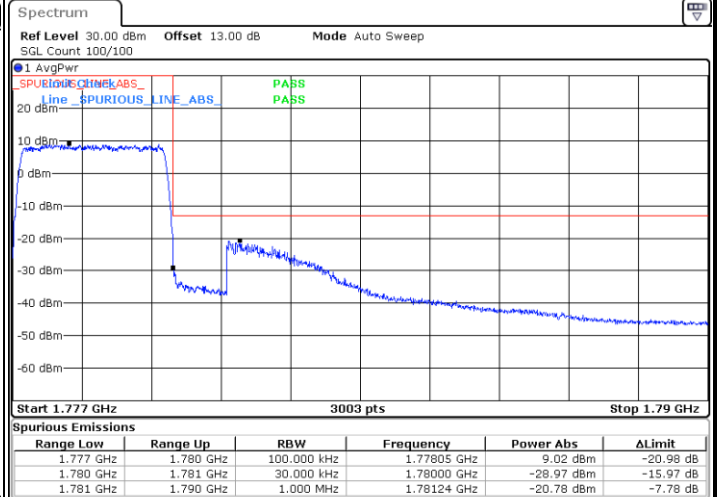


LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / Full RB

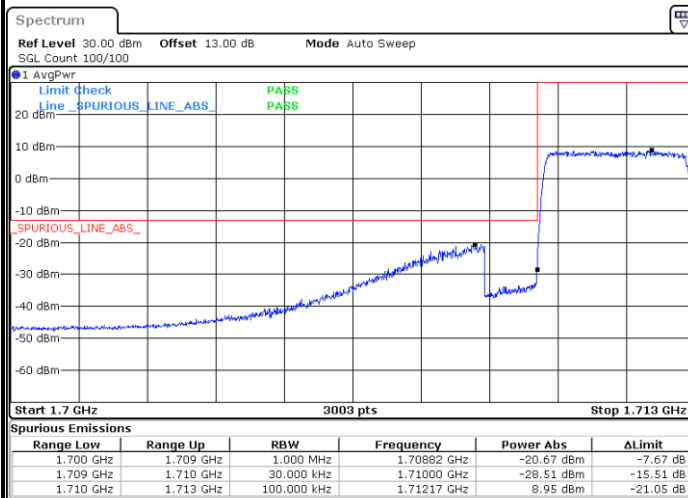


Highest Band Edge / Full RB

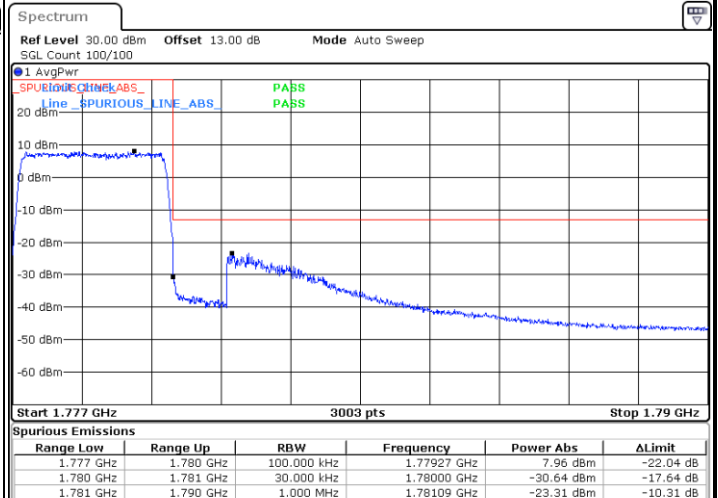


LTE Band 66 / 3MHz / 16QAM

Lowest Band Edge / Full RB



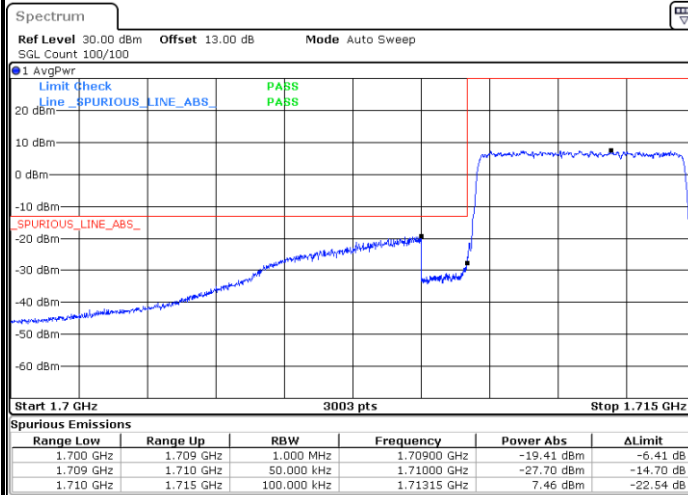
Highest Band Edge / Full RB



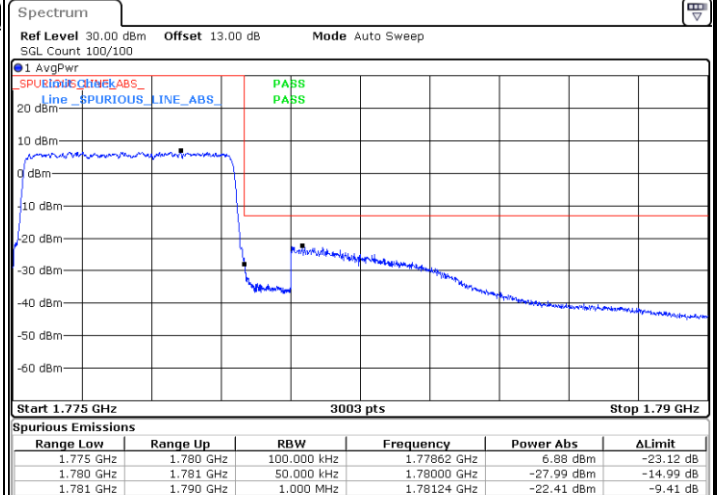


LTE Band 66 / 5MHz / QPSK

Lowest Band Edge / Full RB

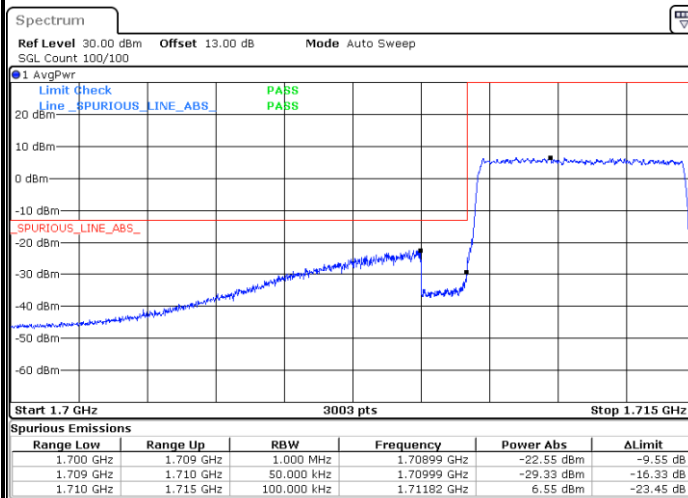


Highest Band Edge / Full RB

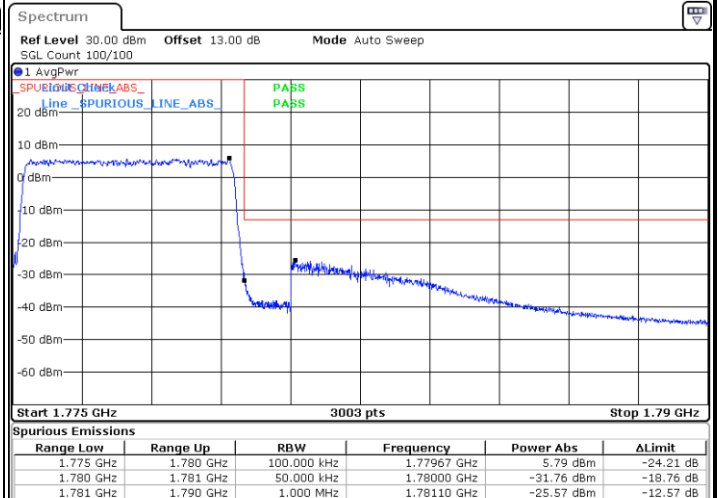


LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / Full RB



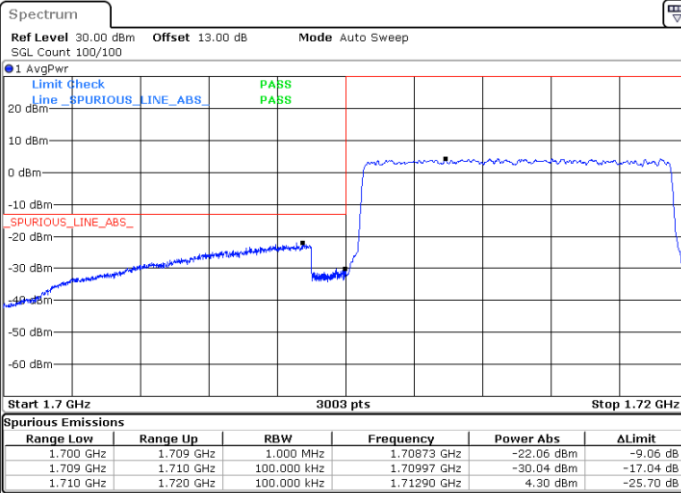
Highest Band Edge / Full RB



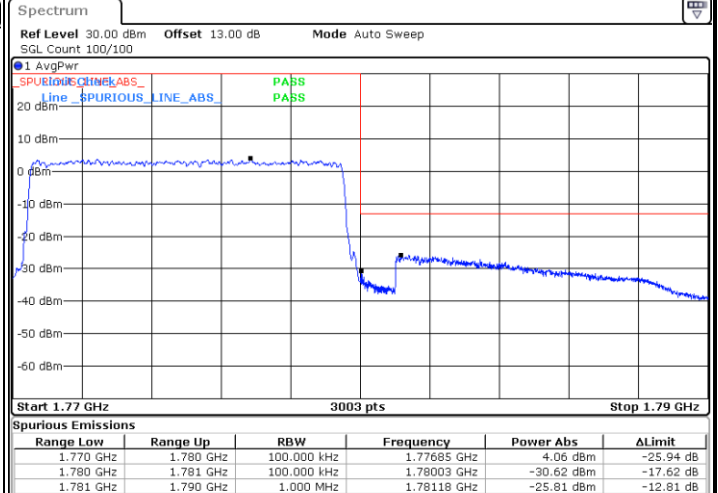


LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / Full RB

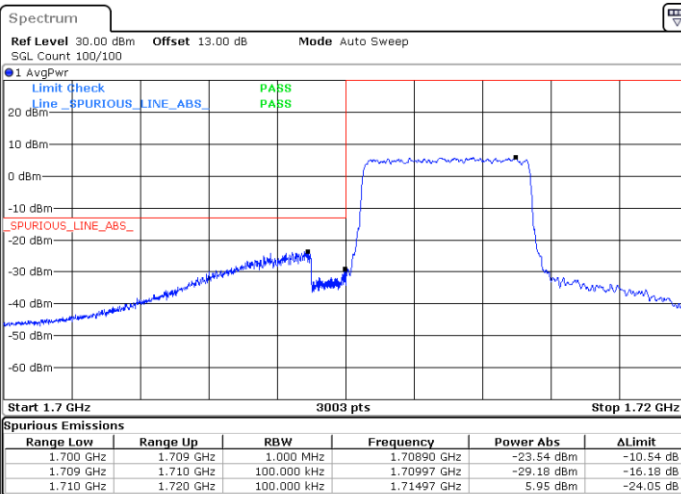


Highest Band Edge / Full RB

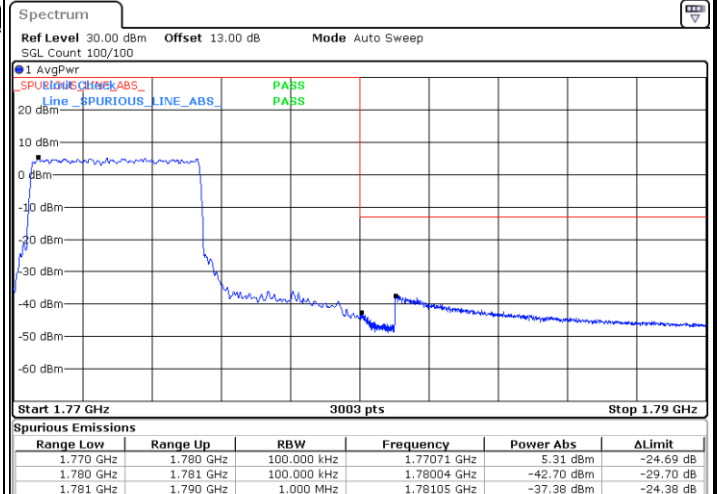


LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / 27 RB0



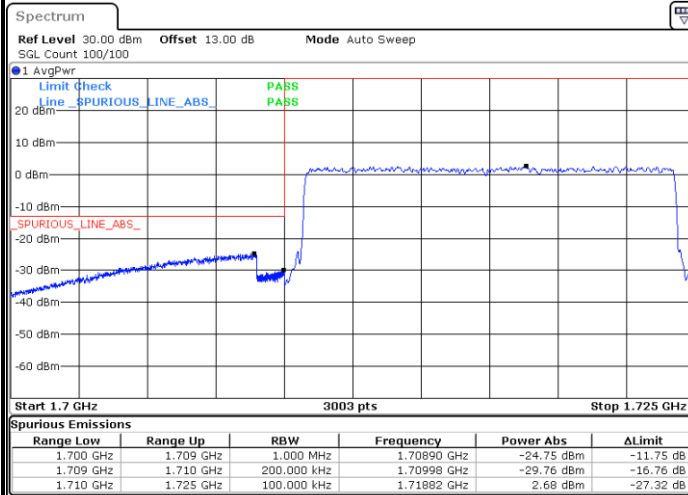
Highest Band Edge / 27 RB0



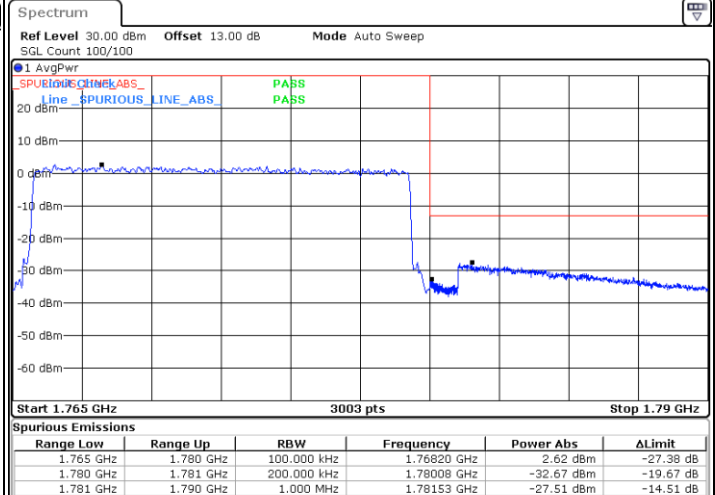


LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / Full RB

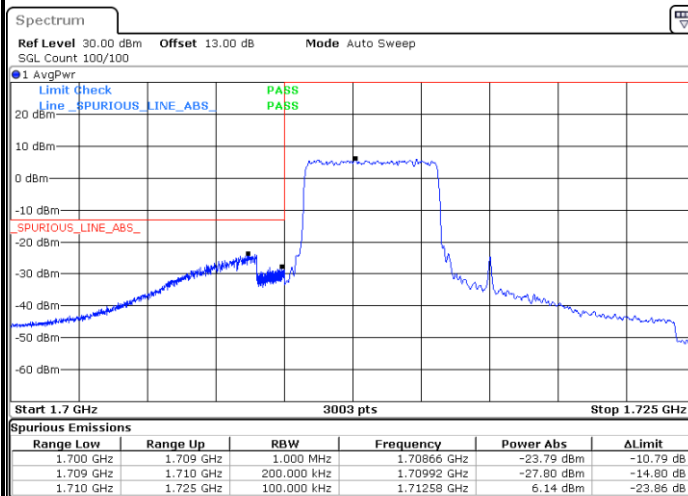


Highest Band Edge / Full RB

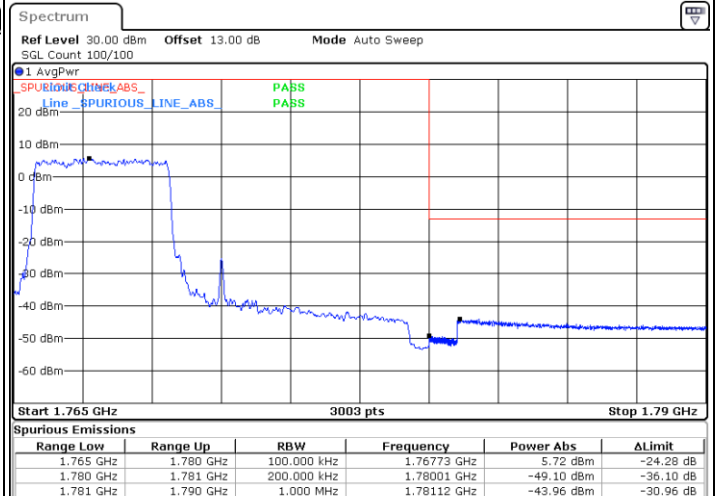


LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 27RB0



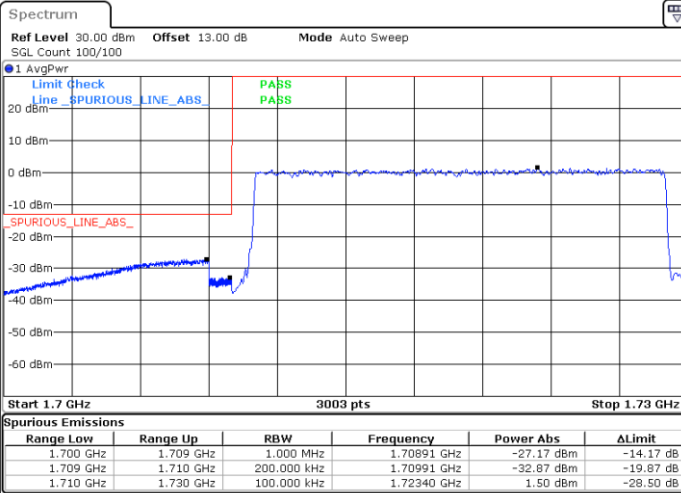
Highest Band Edge / 27 RB0



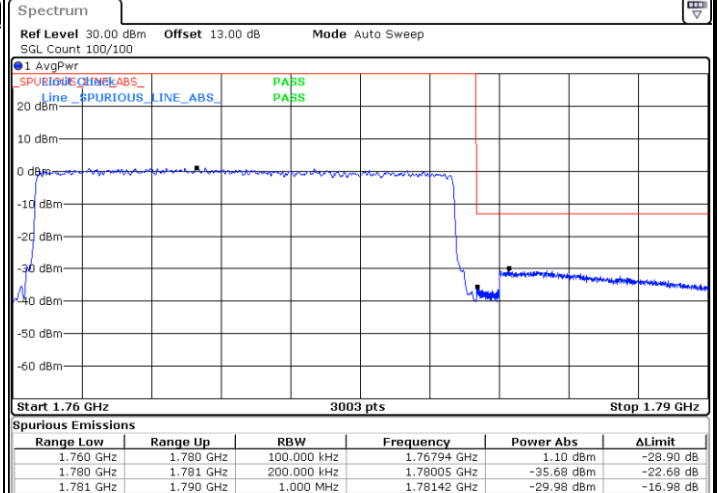


LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / Full RB

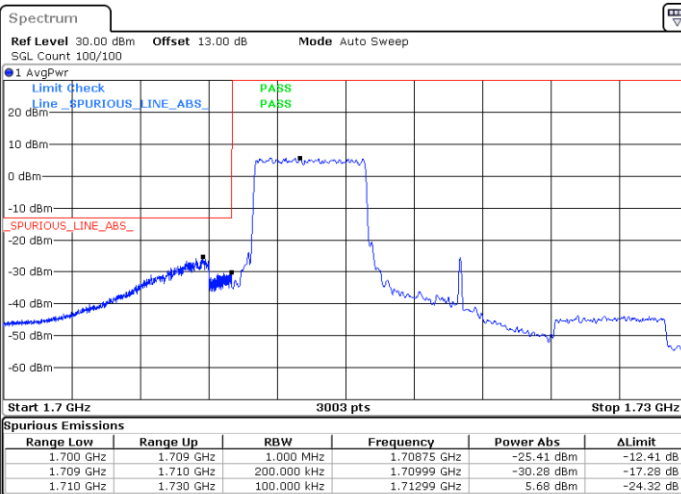


Highest Band Edge / Full RB



LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 27 RB0



Highest Band Edge / 27 RB0

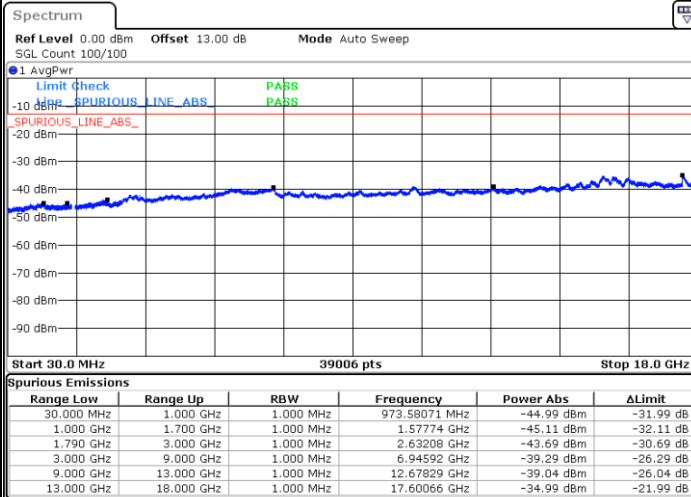




Conducted Spurious Emission

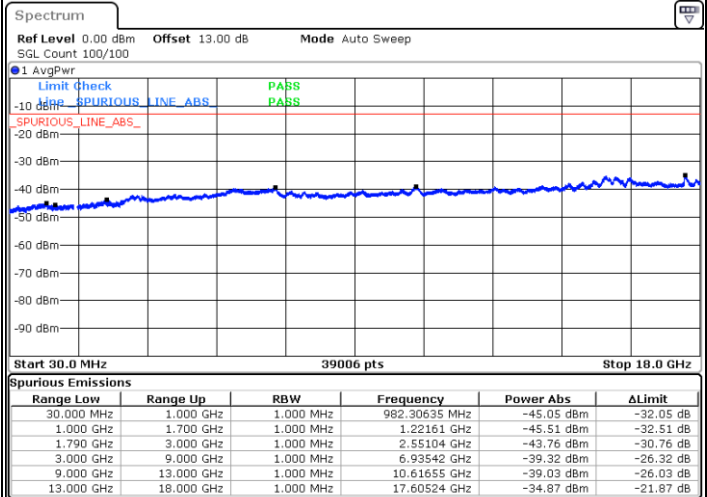
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK



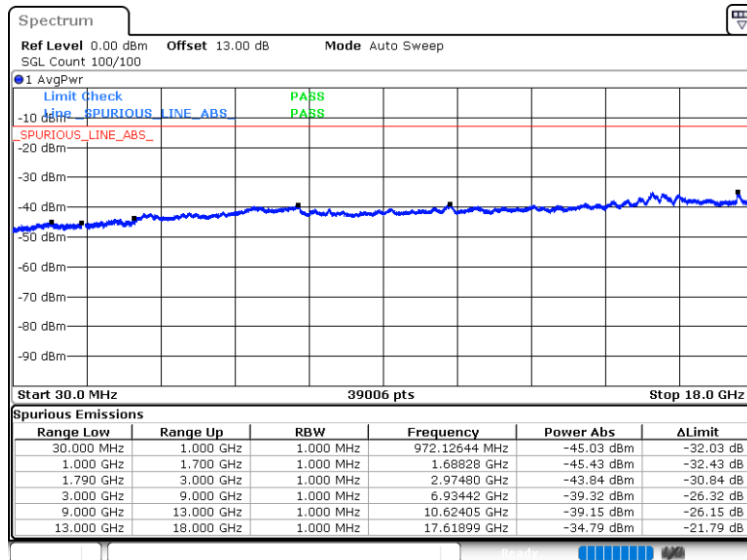
Date: 9.MAR.2023 10:13:24

Middle Channel / QPSK



Date: 9.MAR.2023 10:15:55

Highest Channel / QPSK

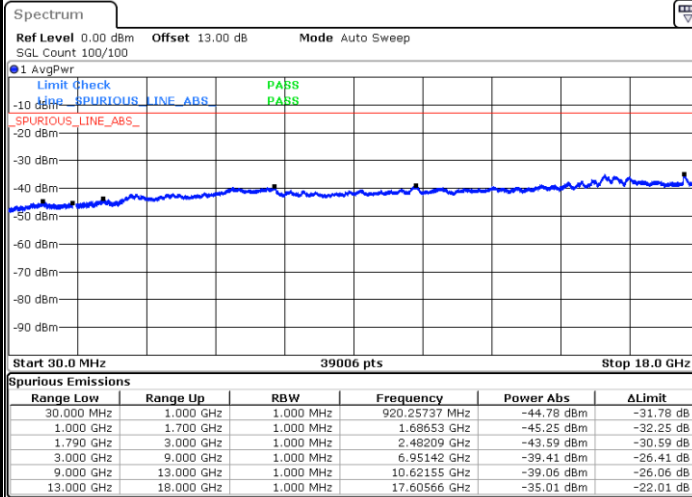


Date: 9.MAR.2023 12:00:52



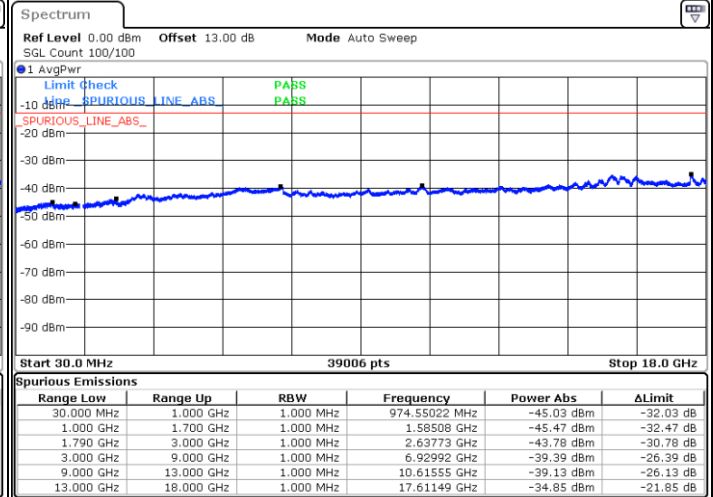
LTE Band 66 / 3MHz

Lowest Channel / QPSK



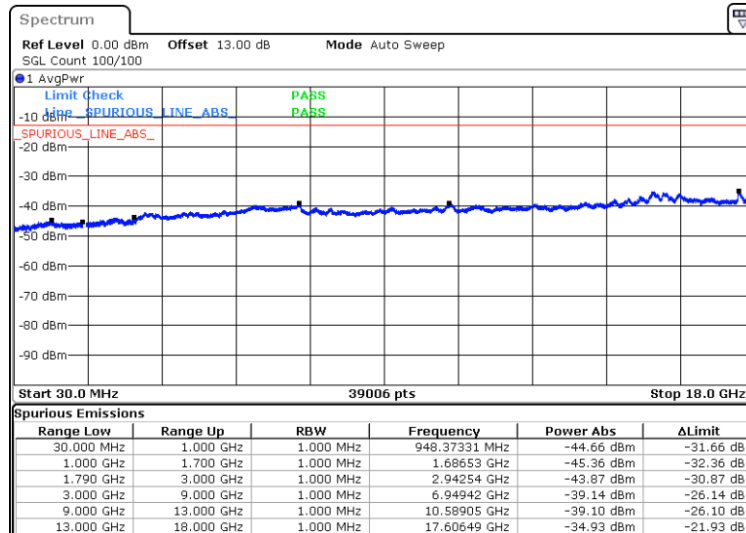
Date: 9.MAR.2023 10:56:03

Middle Channel / QPSK



Date: 9.MAR.2023 10:56:56

Highest Channel / QPSK

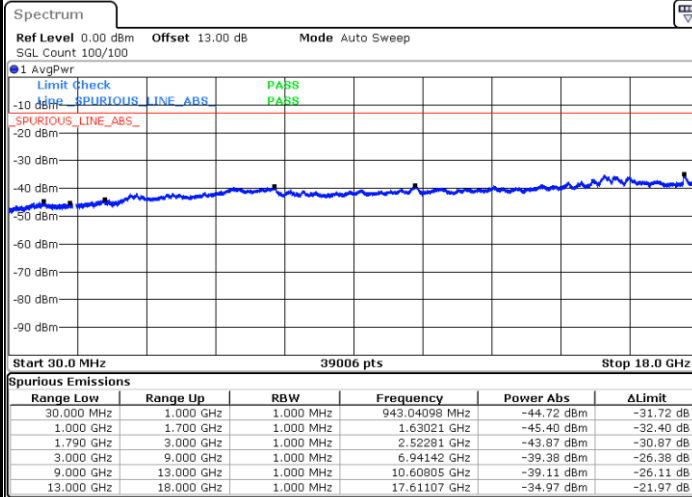


Date: 9.MAR.2023 10:57:49



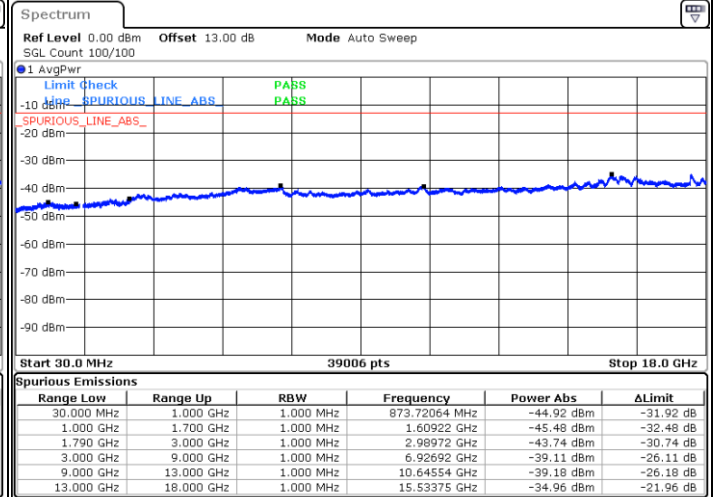
LTE Band 66 / 5MHz

Lowest Channel / QPSK



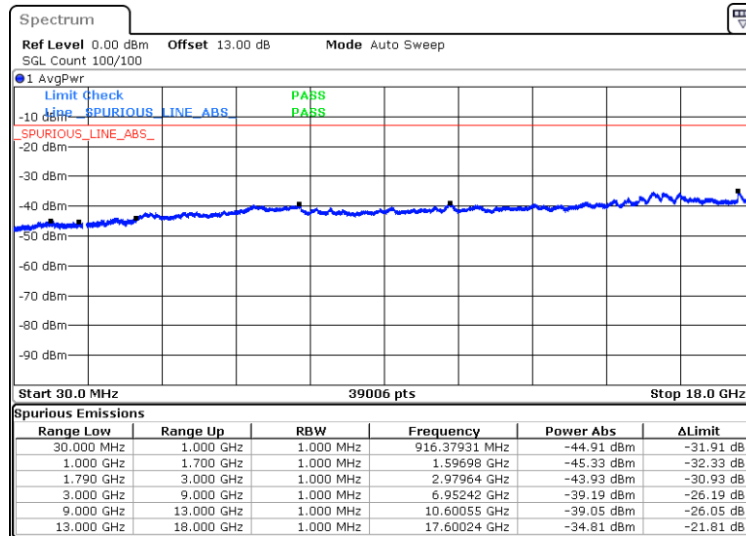
Date: 9.MAR.2023 10:58:43

Middle Channel / QPSK



Date: 9.MAR.2023 10:59:36

Highest Channel / QPSK

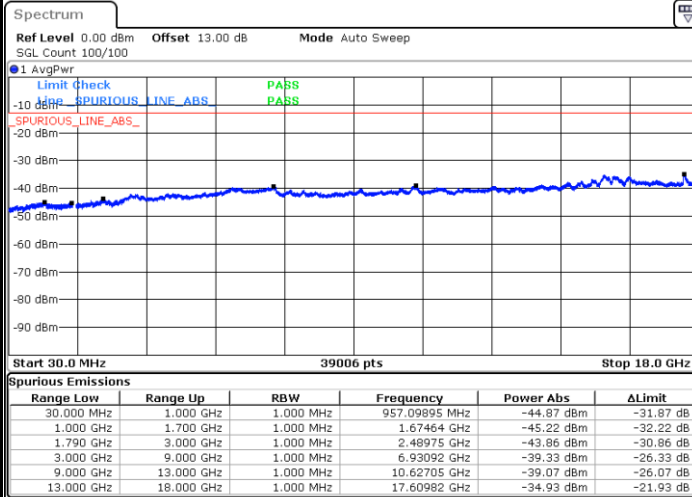


Date: 9.MAR.2023 11:00:29



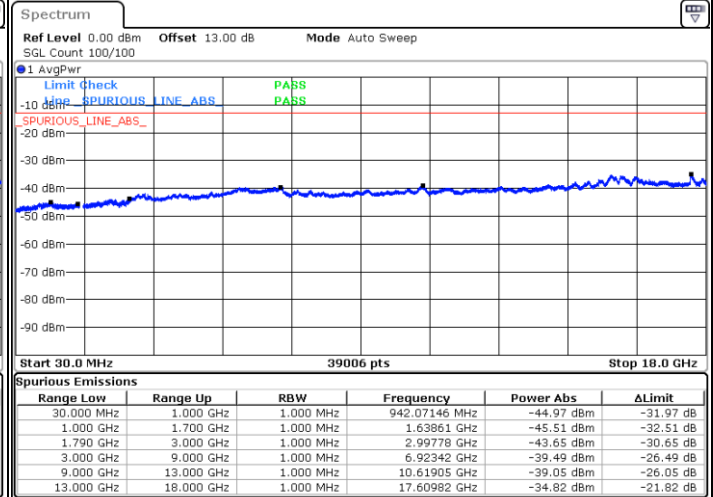
LTE Band 66 / 10MHz

Lowest Channel / QPSK



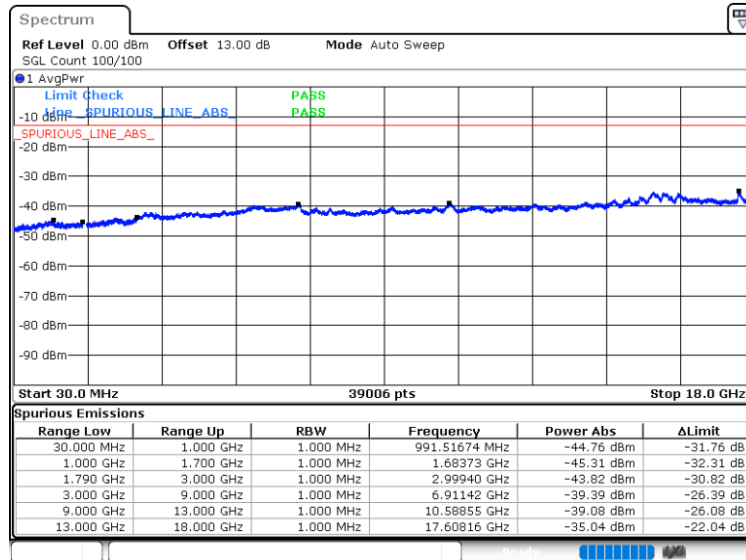
Date: 9.MAR.2023 11:01:23

Middle Channel / QPSK



Date: 9.MAR.2023 11:02:16

Highest Channel / QPSK

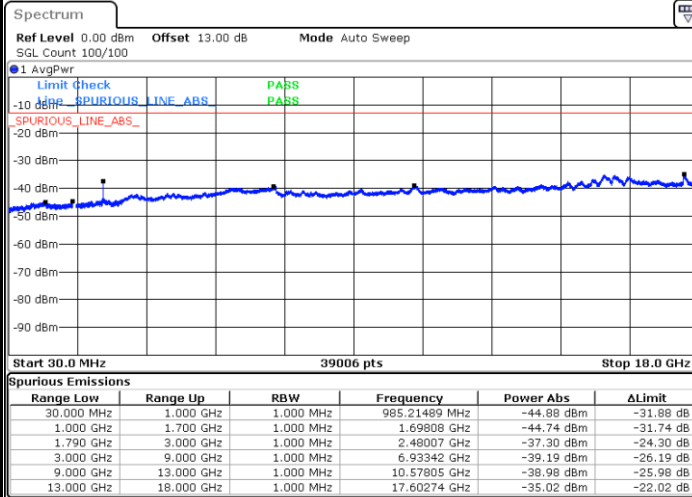


Date: 9.MAR.2023 11:03:09



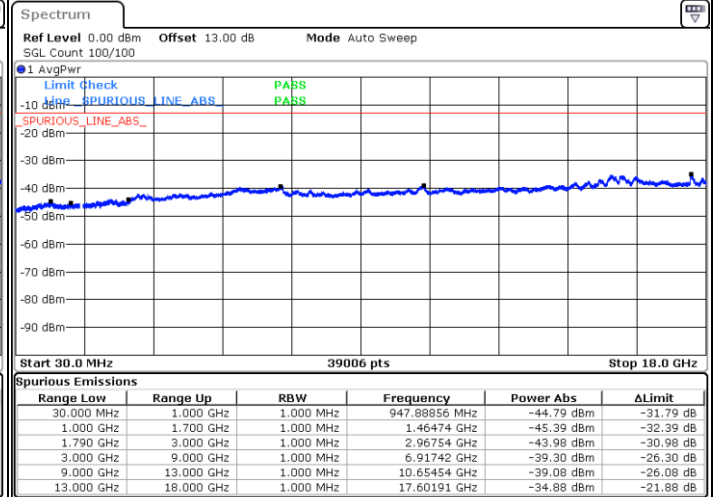
LTE Band 66 / 15MHz

Lowest Channel / QPSK



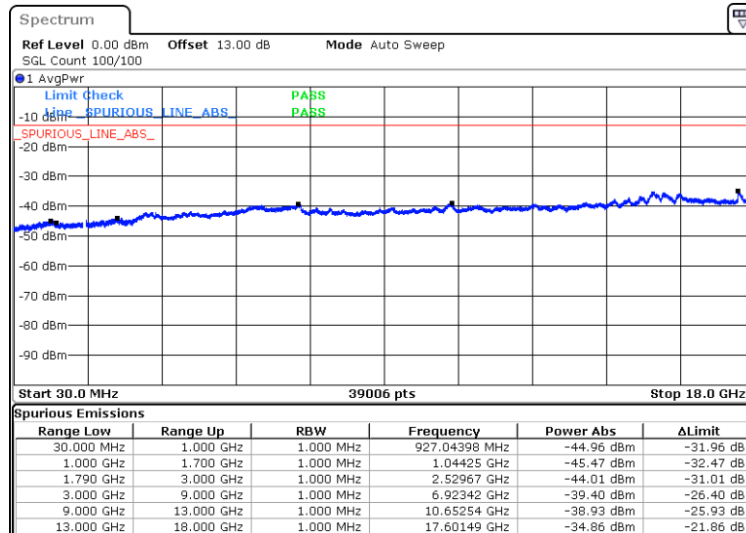
Date: 9.MAR.2023 11:04:03

Middle Channel / QPSK



Date: 9.MAR.2023 11:04:56

Highest Channel / QPSK

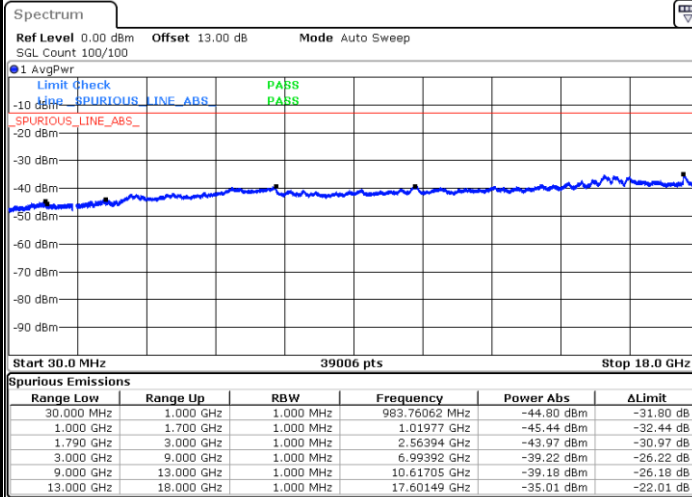


Date: 9.MAR.2023 11:05:49



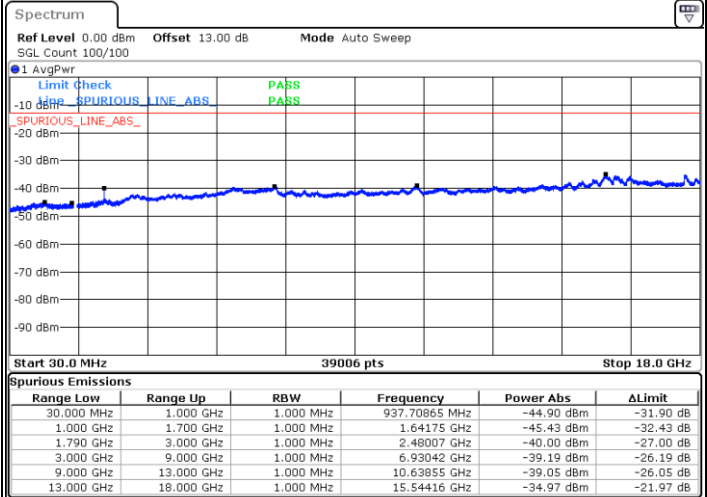
LTE Band 66 / 20MHz

Lowest Channel / QPSK



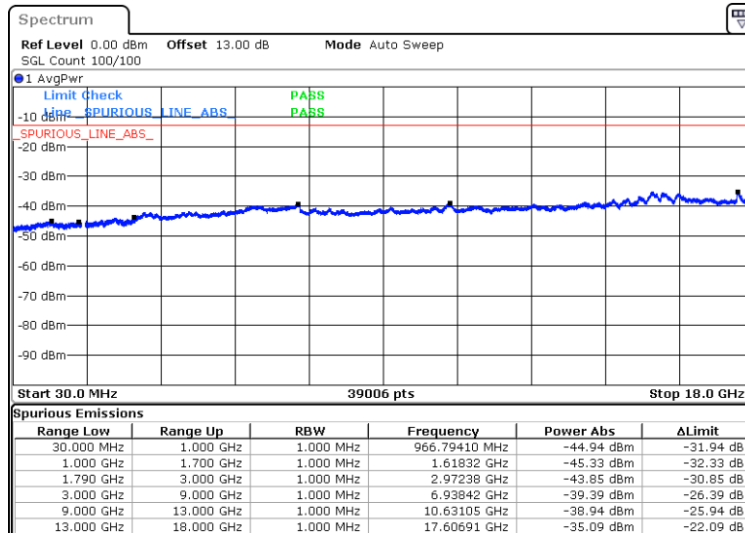
Date: 9.MAR.2023 11:06:43

Middle Channel / QPSK



Date: 9.MAR.2023 11:07:36

Highest Channel / QPSK



Date: 9.MAR.2023 11:08:29

Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
35	Normal Voltage	0.0068	PASS
30	Normal Voltage	0.0039	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0040	
0	Normal Voltage	0.0005	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0010	
20	Battery End Point	0.0033	

Note:

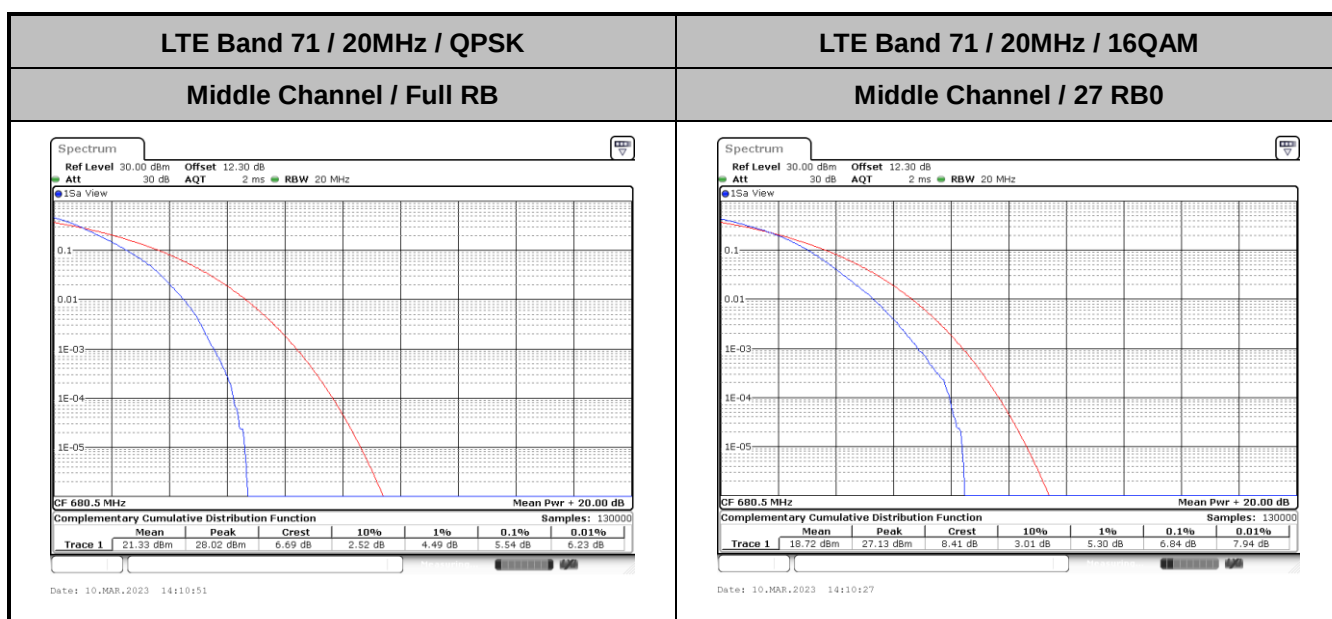
1. Normal Voltage = 3.87 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 71

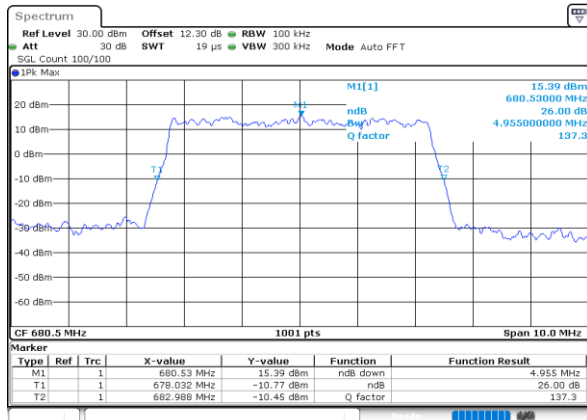
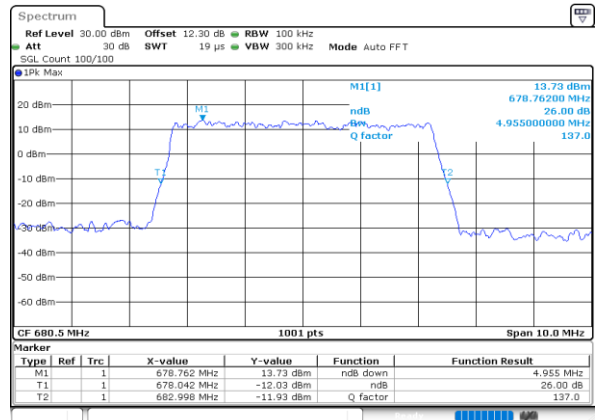
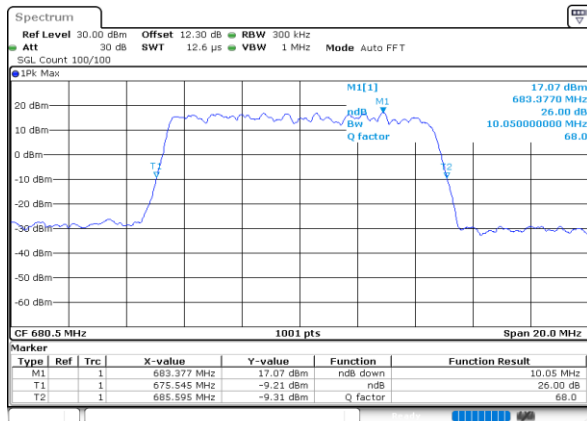
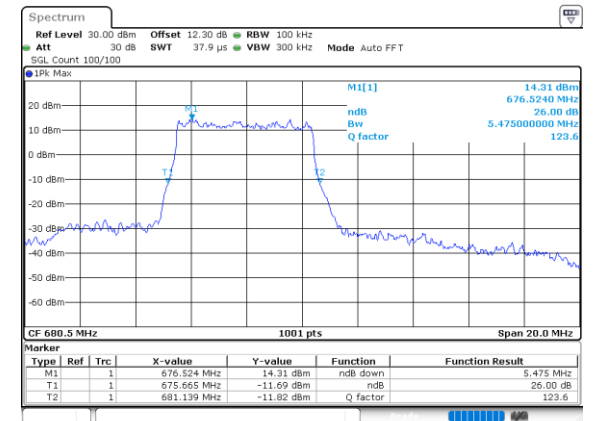
Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	27 RB0	Result
Middle CH	5.54	6.84	PASS



**26dB Bandwidth**

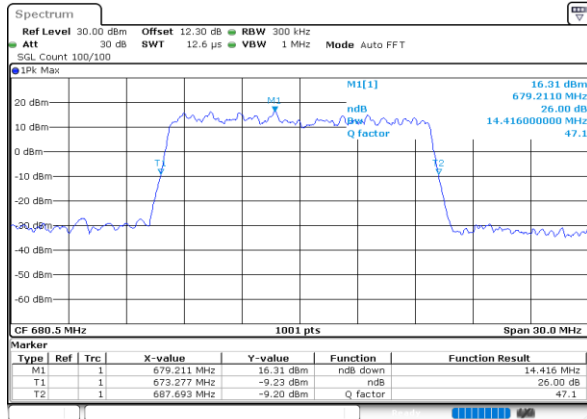
Mode	LTE Band 71 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.96	4.96	10.05	5.48	14.42	5.37	19.06	5.59

LTE Band 71**Middle Channel / 5MHz / QPSK****Middle Channel / 5MHz / 16QAM****Middle Channel / 10MHz / QPSK****Middle Channel / 10MHz / 16QAM**

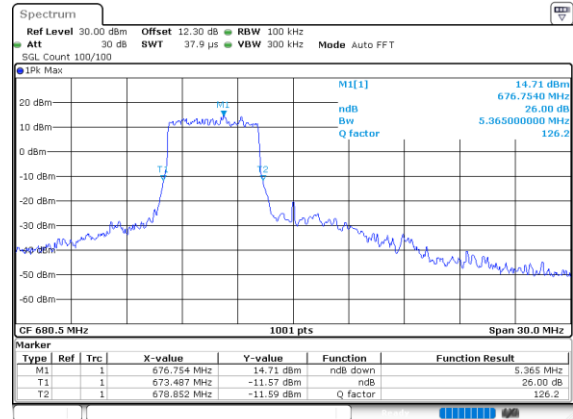


LTE Band 71

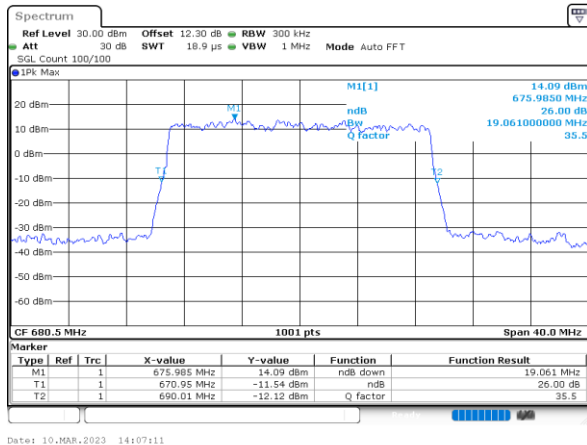
Middle Channel / 15MHz / QPSK



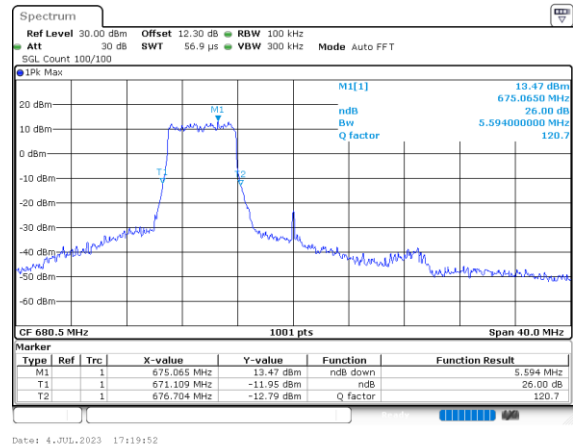
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM



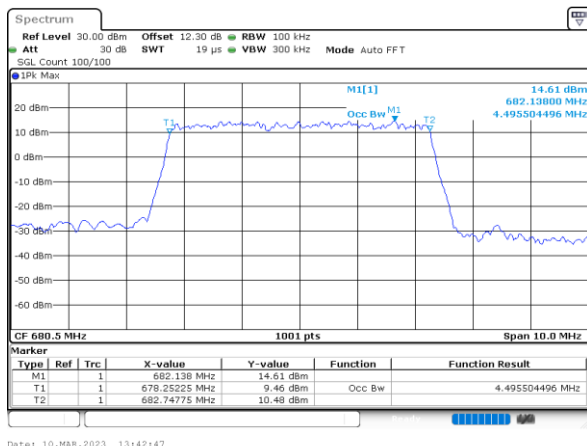


Occupied Bandwidth

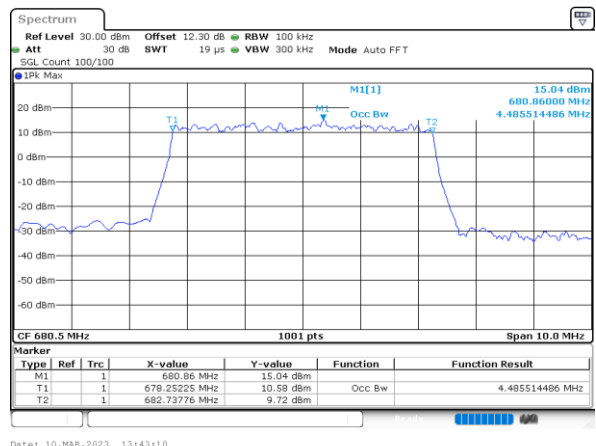
Mode	LTE Band 71 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.50	4.49	9.03	4.86	13.43	4.89	17.86	4.92

LTE Band 71

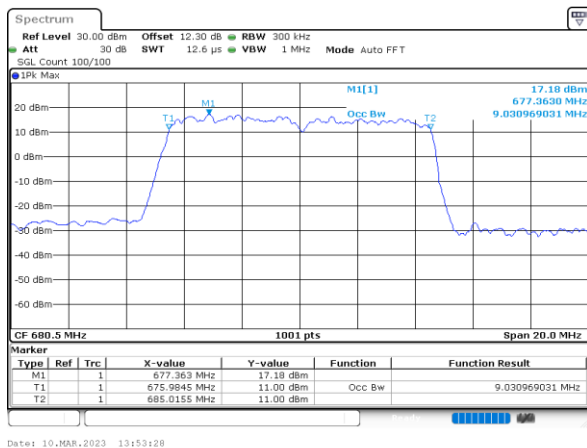
Middle Channel / 5MHz / QPSK



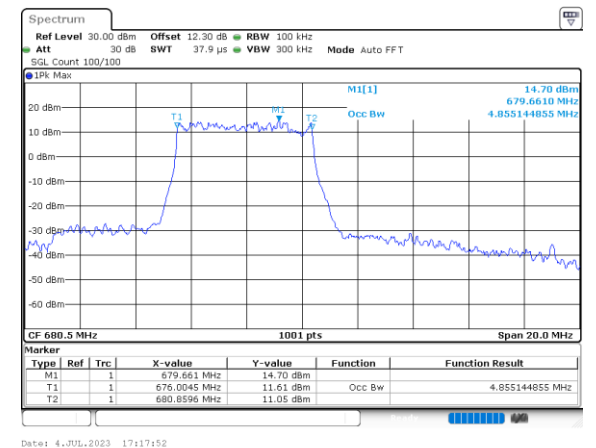
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK



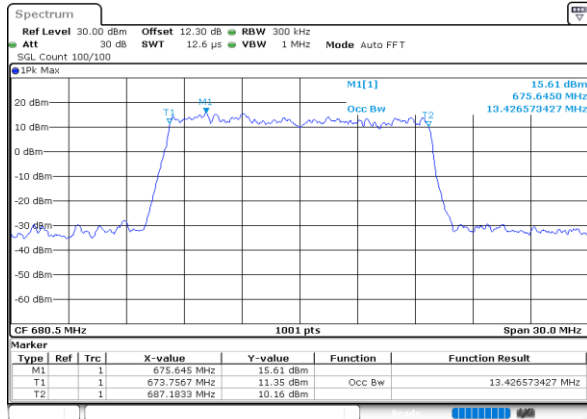
Middle Channel / 10MHz / 16QAM



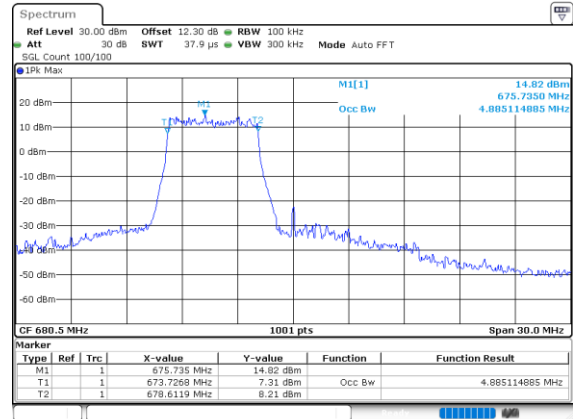


LTE Band 71

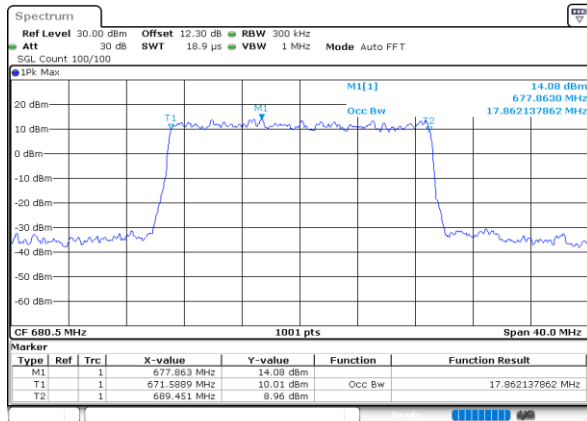
Middle Channel / 15MHz / QPSK



Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

