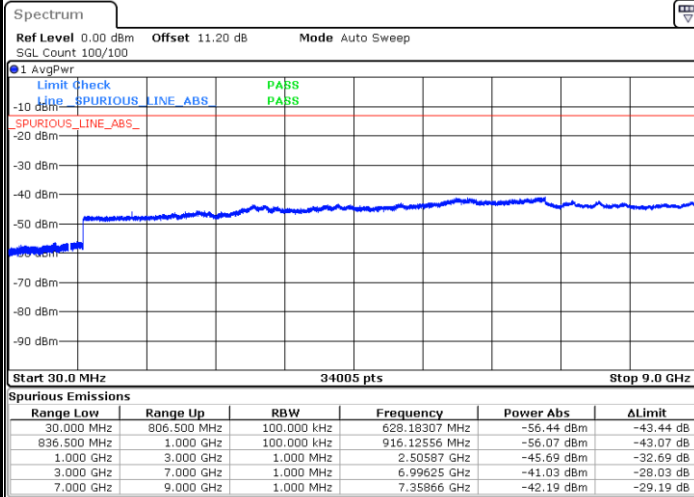




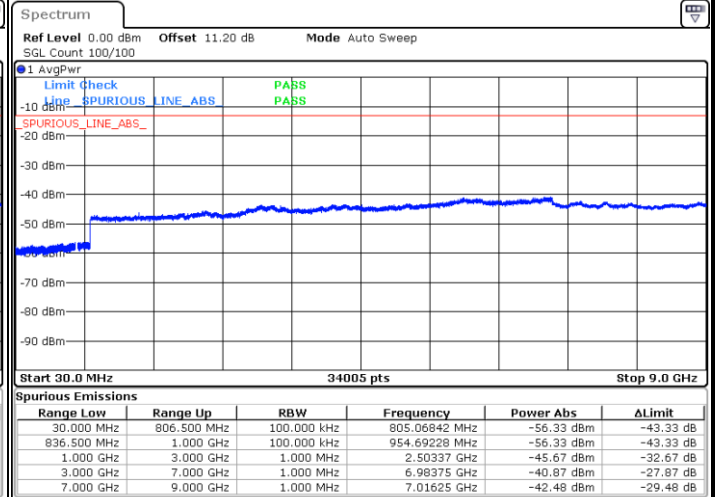
LTE Band 26 / 5MHz

Lowest Channel / QPSK



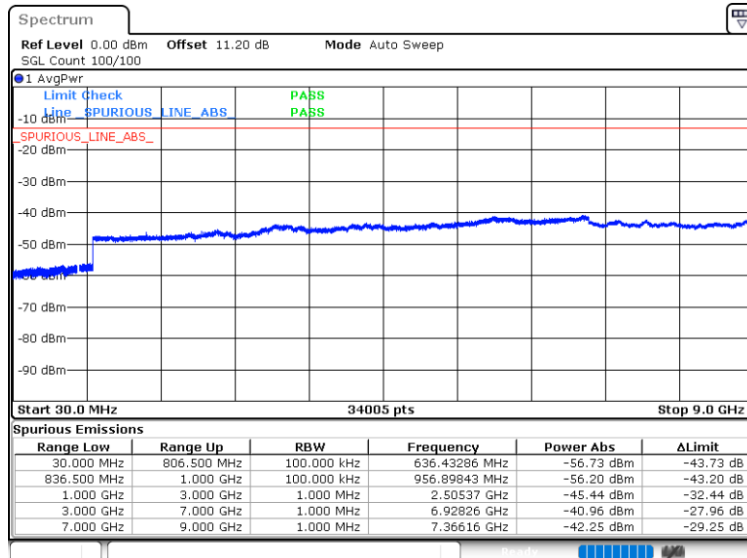
Date: 22.MAY.2023 15:03:23

Middle Channel / QPSK



Date: 22.MAY.2023 15:04:42

Highest Channel / QPSK

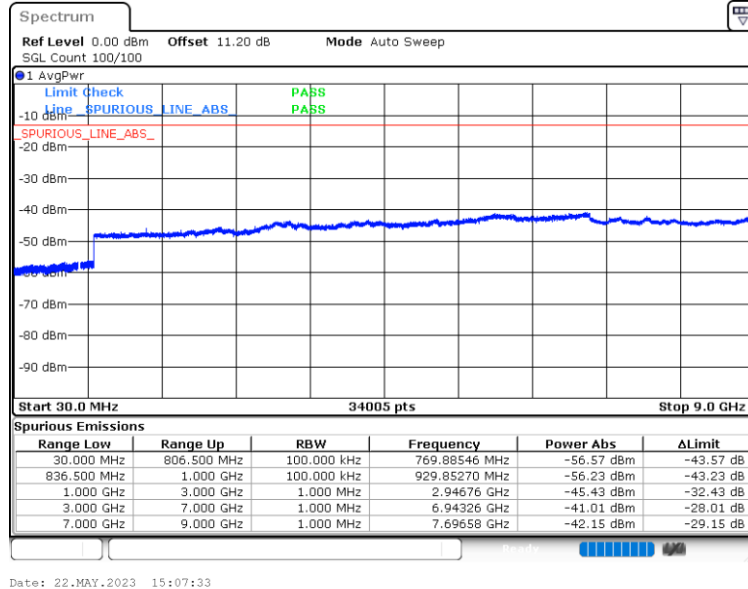


Date: 22.MAY.2023 15:06:03



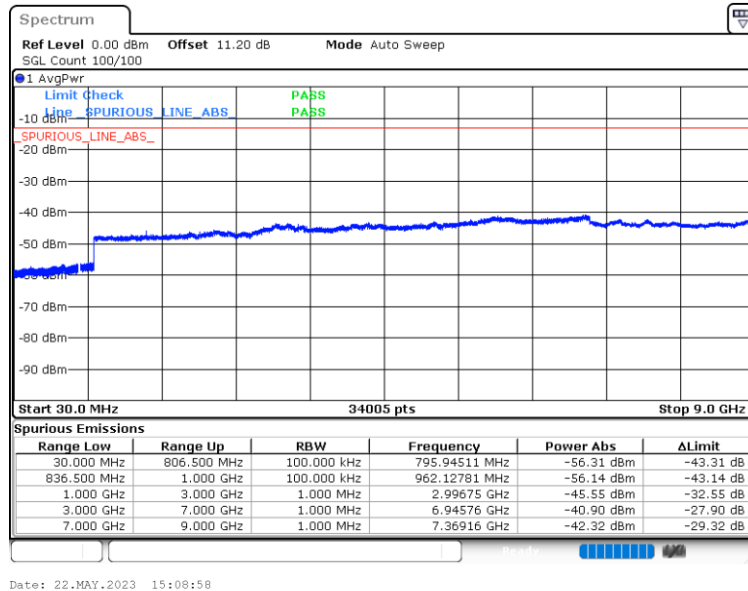
LTE Band 26 / 10MHz

Middle Channel / QPSK



LTE Band 26 / 15MHz

Middle Channel / QPSK



Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0168	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0188	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0168	
0	Normal Voltage	0.0215	
-10	Normal Voltage	0.0090	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0092	
20	Maximum Voltage	0.0074	
20	Normal Voltage	0.0168	
20	Battery End Point	0.0190	

Note:

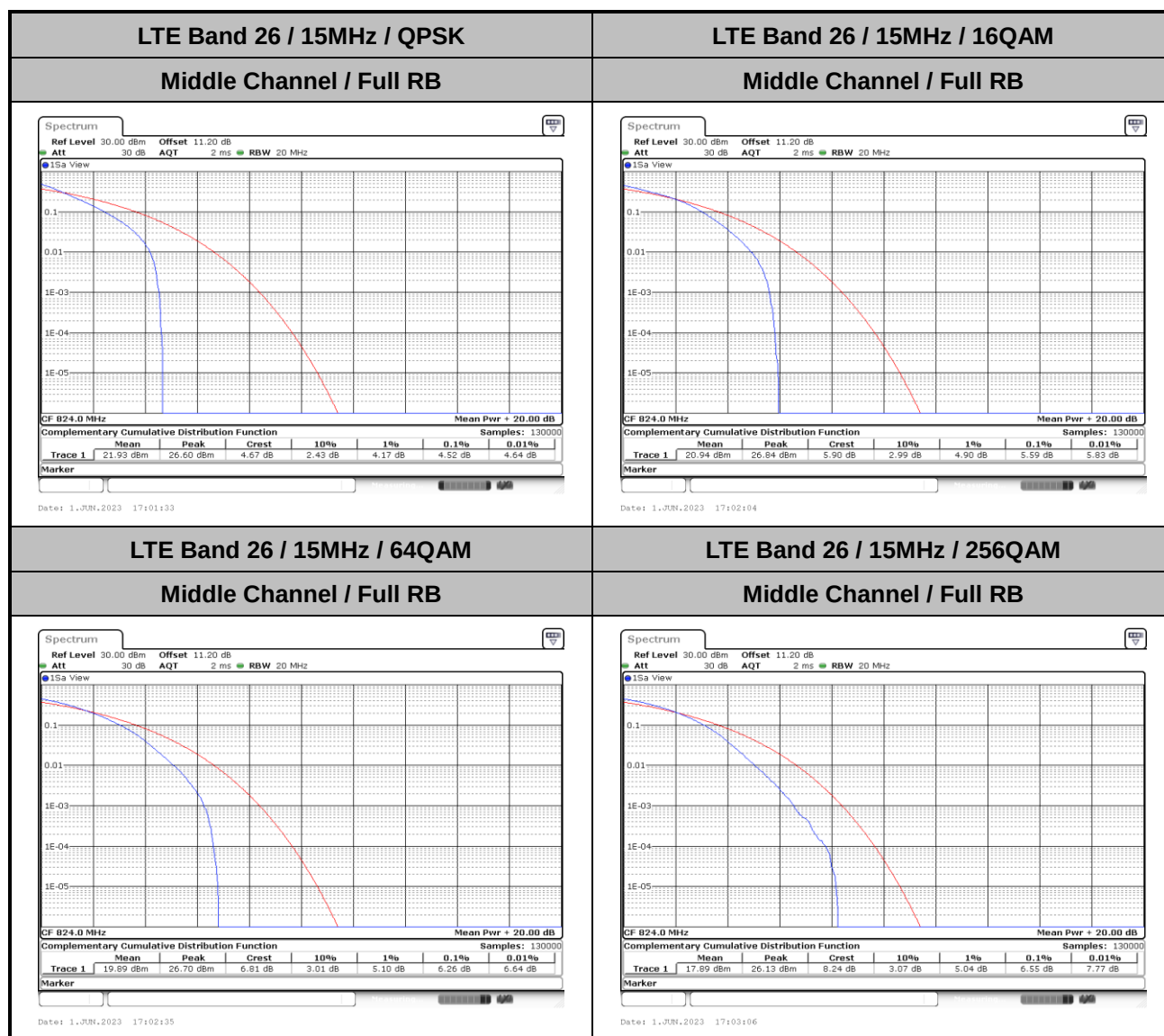
1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26_824MHz

Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.52	5.59	6.26	6.55	PASS



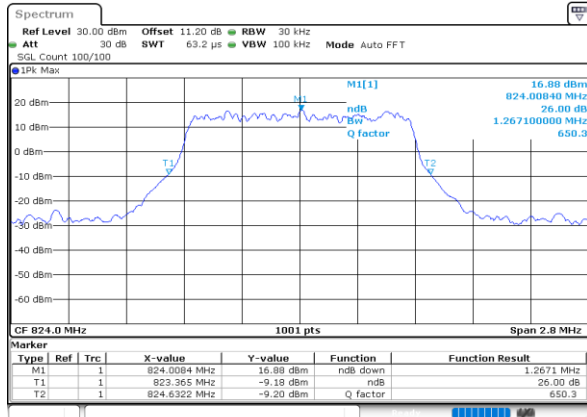
**26dB Bandwidth**

Mode	LTE Band 26 : 26dB BW(MHz)									
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.27	1.31	3.15	3.00	5.10	4.93	9.99	10.03	14.57	14.12
Mode	LTE Band 26 : 26dB BW(MHz)									
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.33	1.34	3.14	3.07	5.04	4.96	9.89	9.99	14.69	14.39

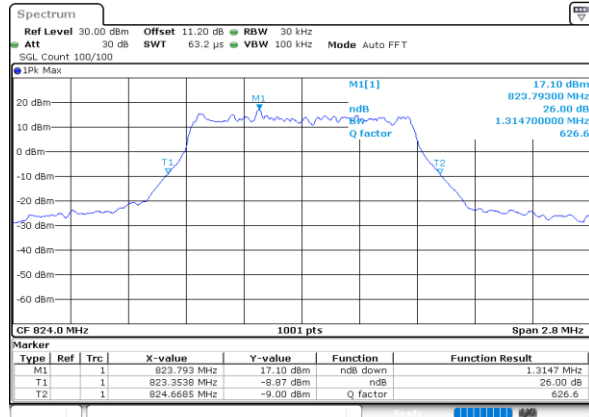


LTE Band 26

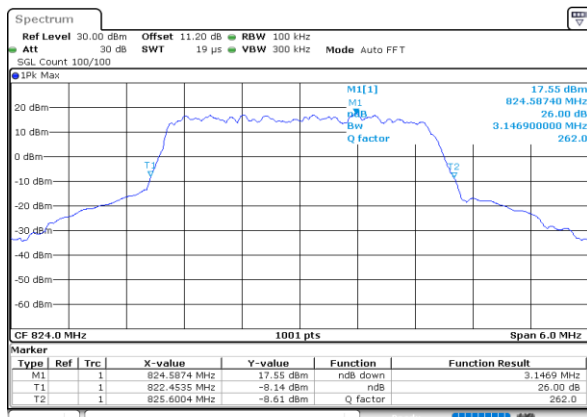
Middle Channel / 1.4MHz / QPSK



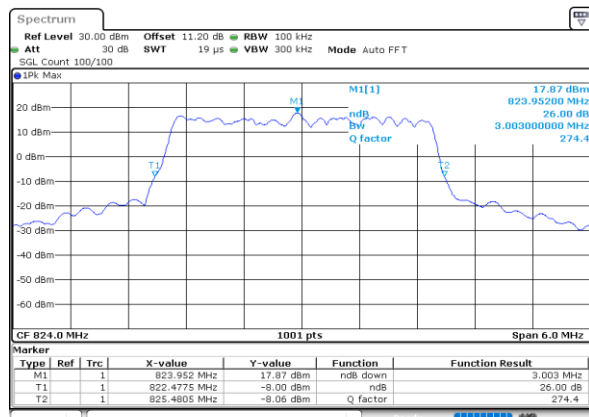
Middle Channel / 1.4MHz / 16QAM



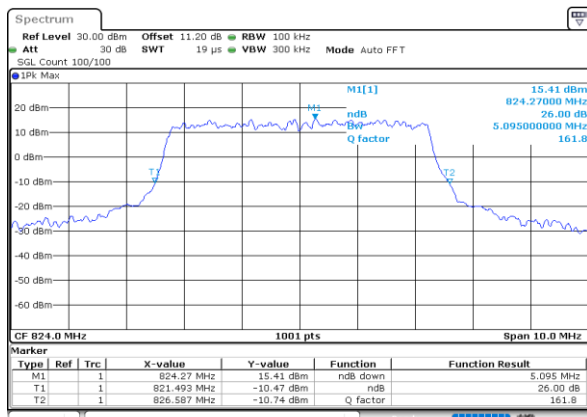
Middle Channel / 3MHz / QPSK



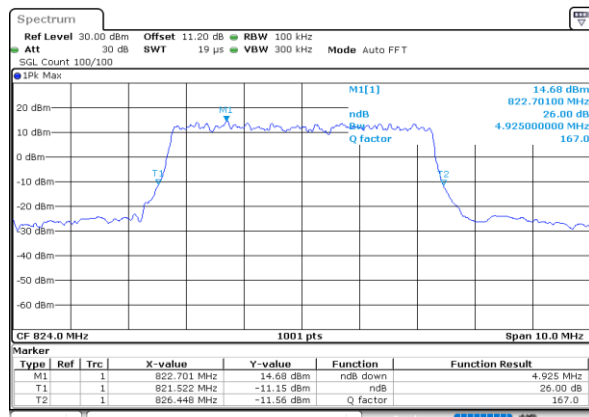
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



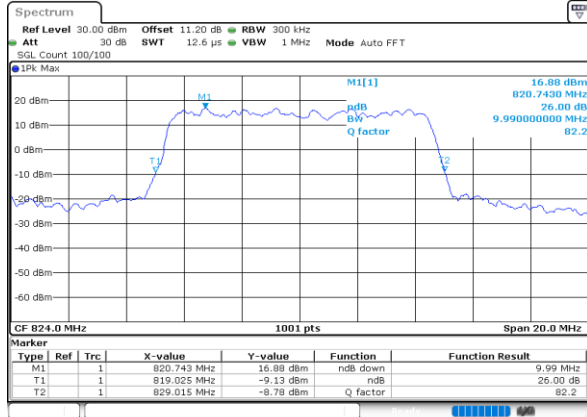
Middle Channel / 5MHz / 16QAM



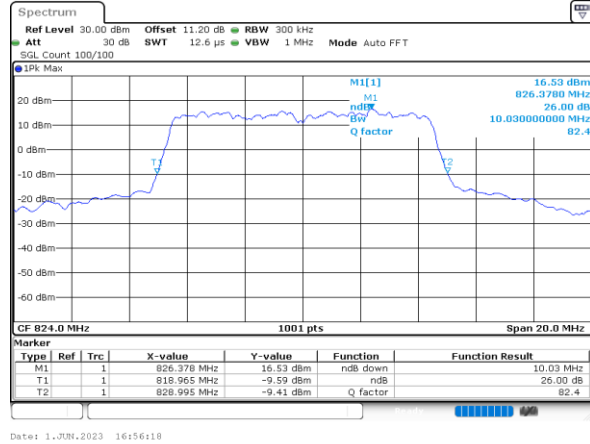


LTE Band 26

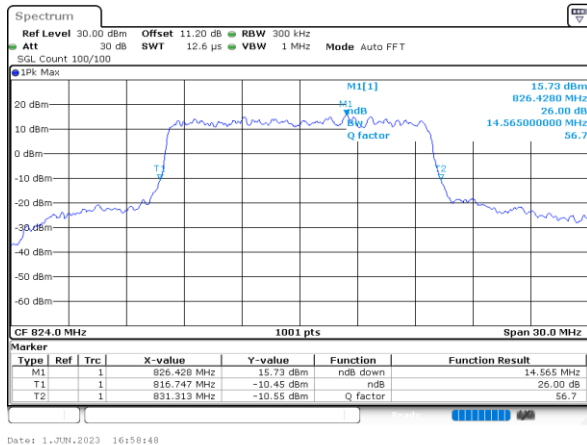
Middle Channel / 10MHz / QPSK



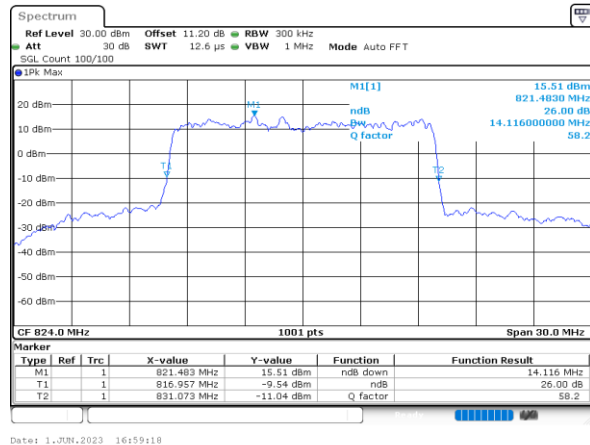
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



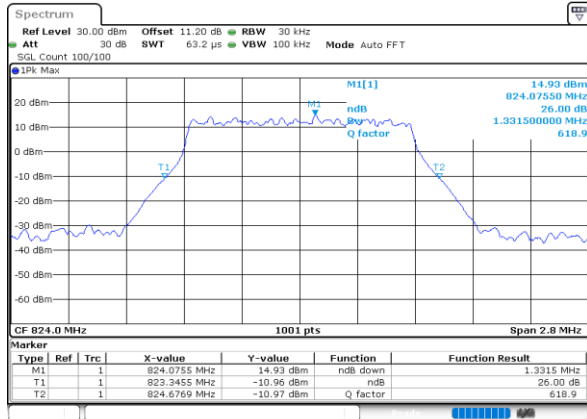
Middle Channel / 15MHz / 16QAM



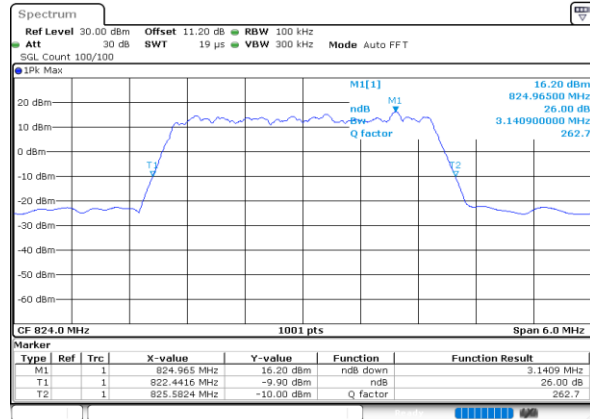


LTE Band 26

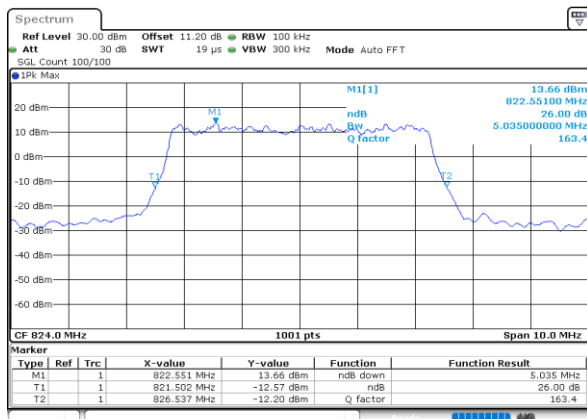
Middle Channel / 1.4MHz / 64QAM



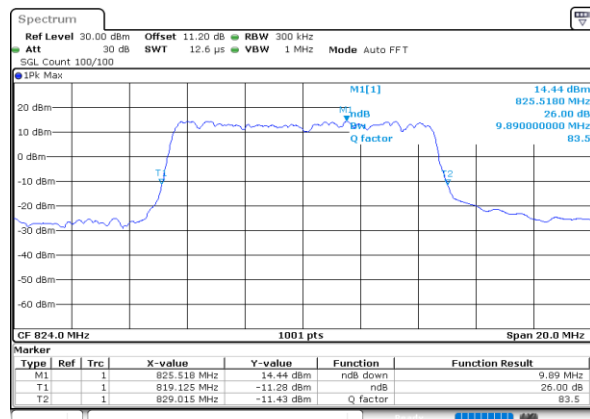
Middle Channel / 3MHz / 64QAM



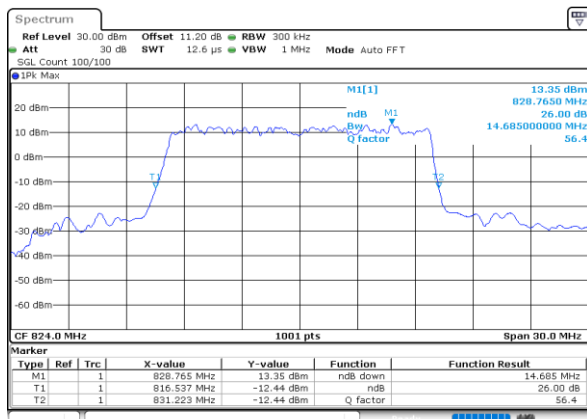
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM

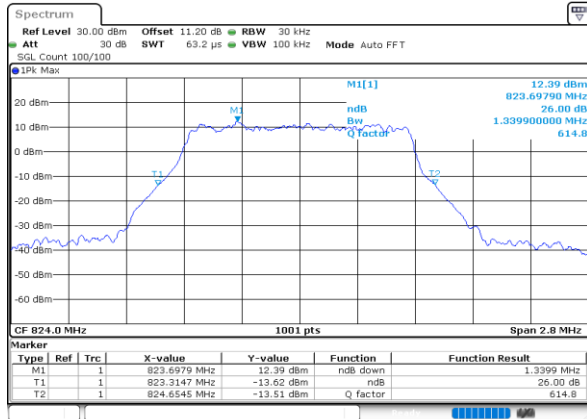


N/A

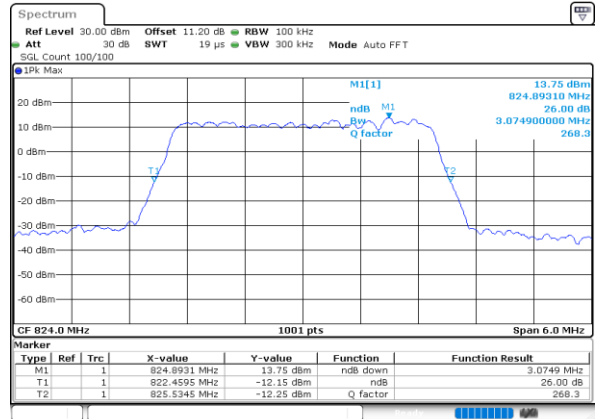


LTE Band 26

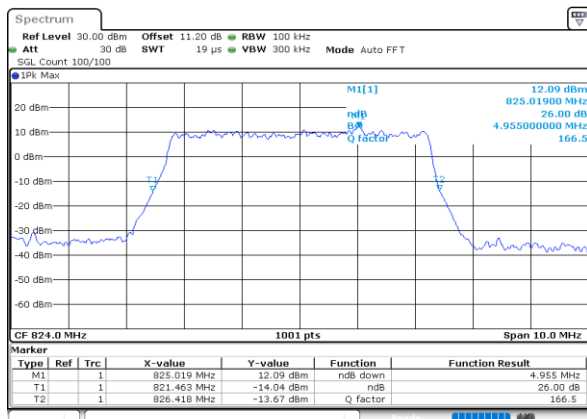
Middle Channel / 1.4MHz / 256QAM



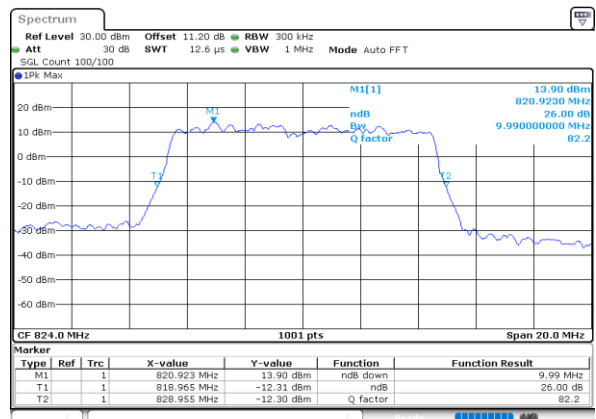
Middle Channel / 3MHz / 256QAM



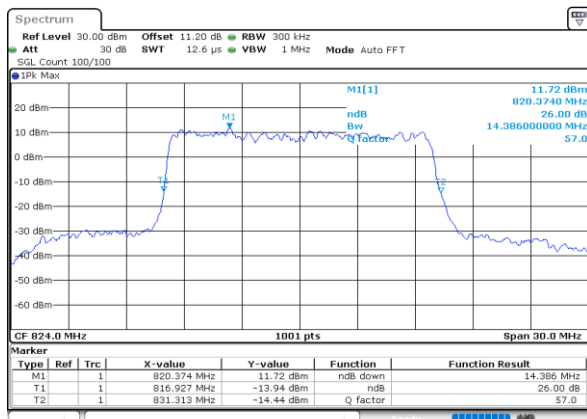
Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



N/A

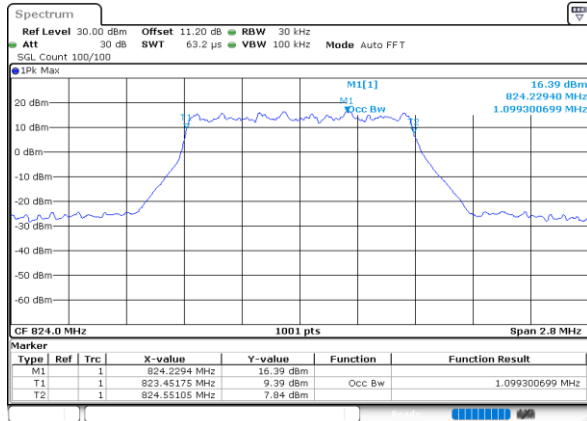
**Occupied Bandwidth**

Mode	LTE Band 26 : 99%OBW(MHz)									
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.10	1.09	2.74	2.73	4.49	4.50	9.07	9.07	13.49	13.46
Mode	LTE Band 26 : 99%OBW(MHz)									
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.10	1.09	2.74	2.70	4.49	4.49	9.03	8.97	13.46	13.43

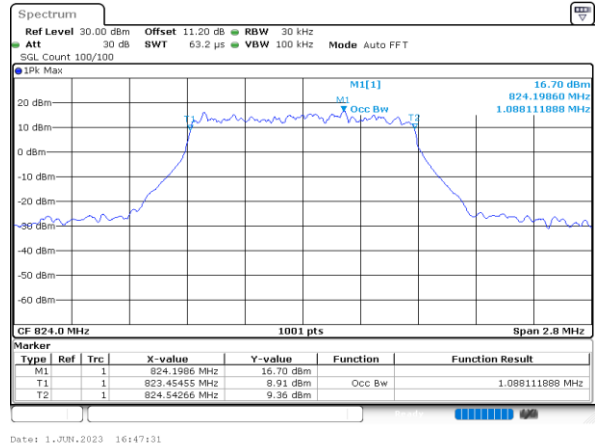


LTE Band 26

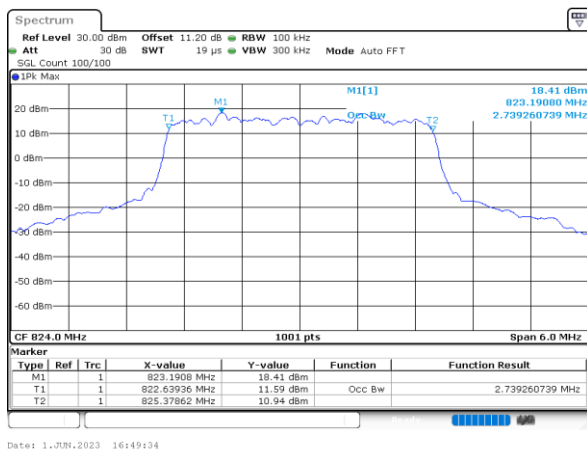
Middle Channel / 1.4MHz / QPSK



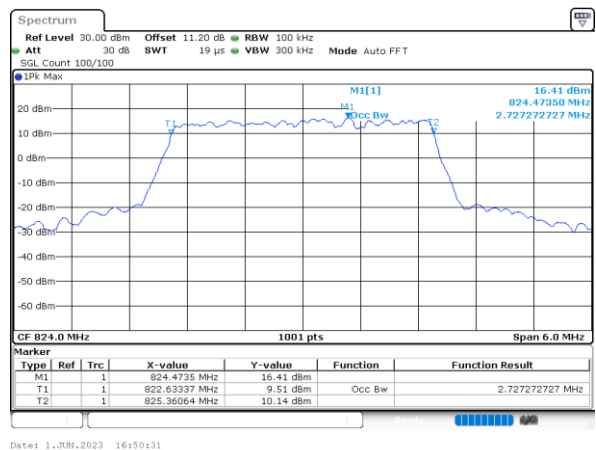
Middle Channel / 1.4MHz / 16QAM



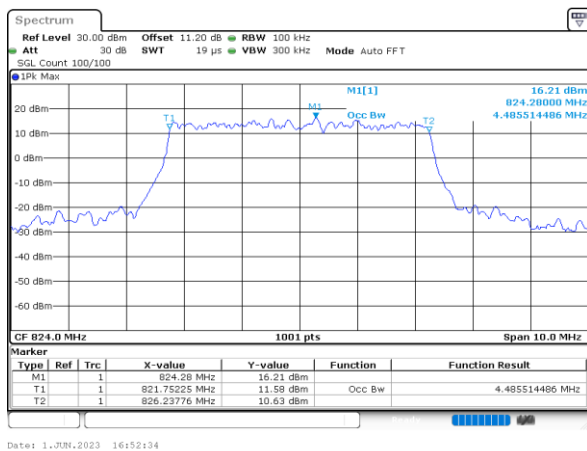
Middle Channel / 3MHz / QPSK



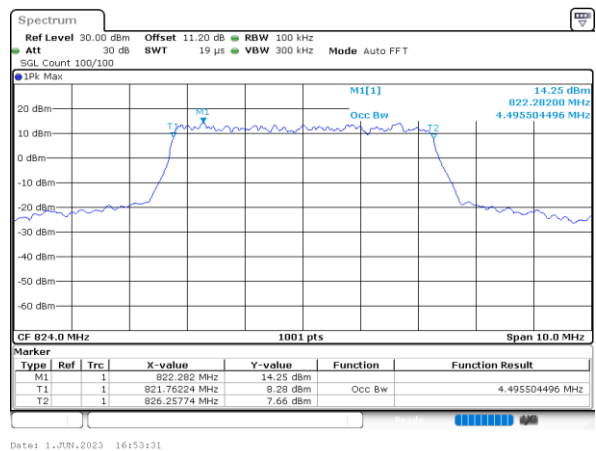
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



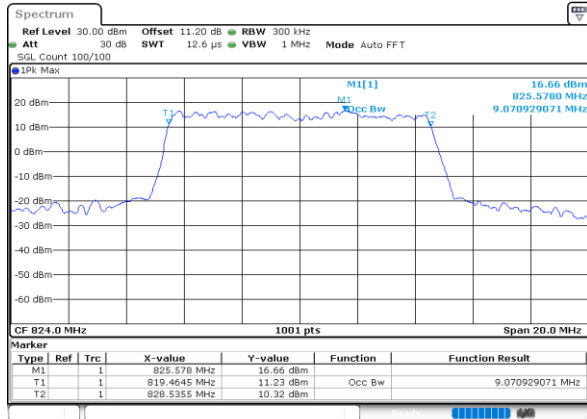
Middle Channel / 5MHz / 16QAM



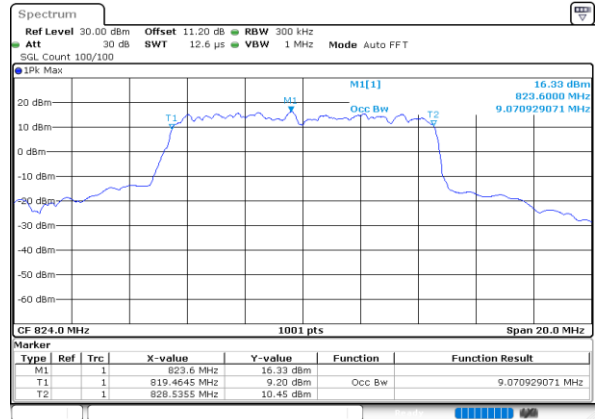


LTE Band 26

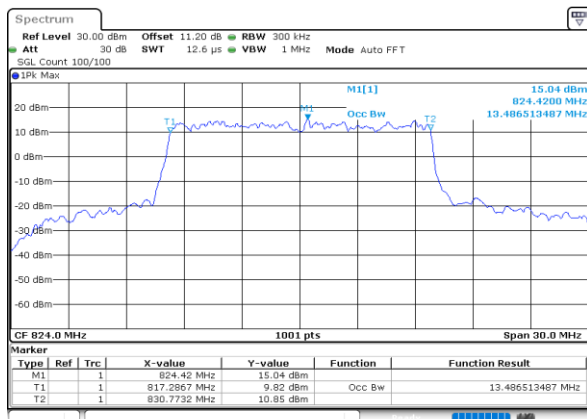
Middle Channel / 10MHz / QPSK



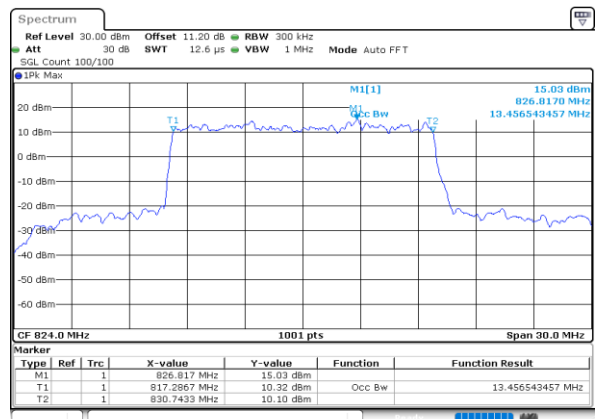
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



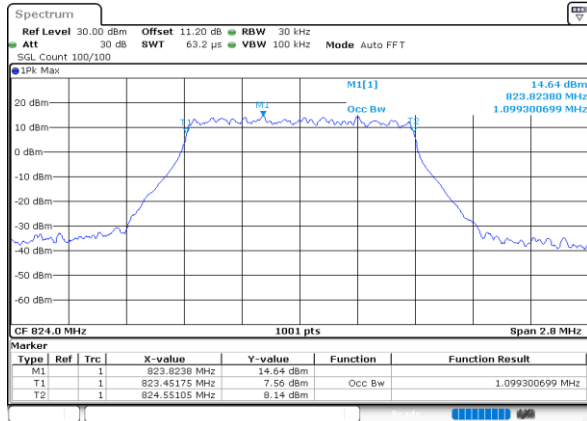
Middle Channel / 15MHz / 16QAM



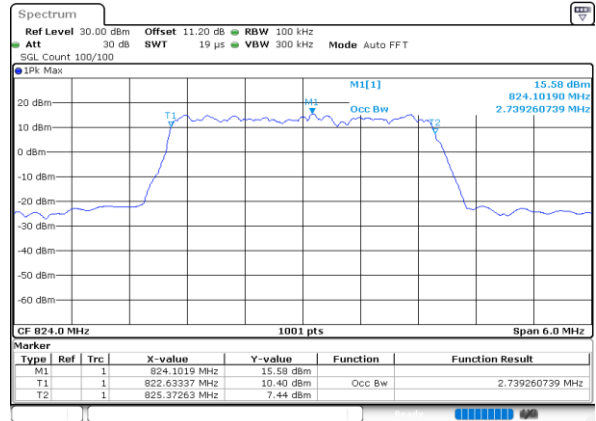


LTE Band 26

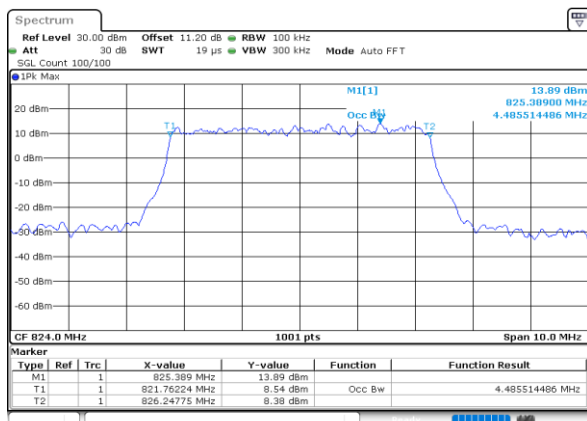
Middle Channel / 1.4MHz / 64QAM



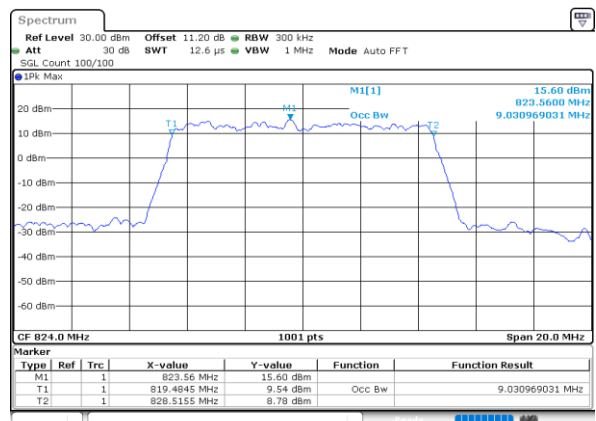
Middle Channel / 3MHz / 64QAM



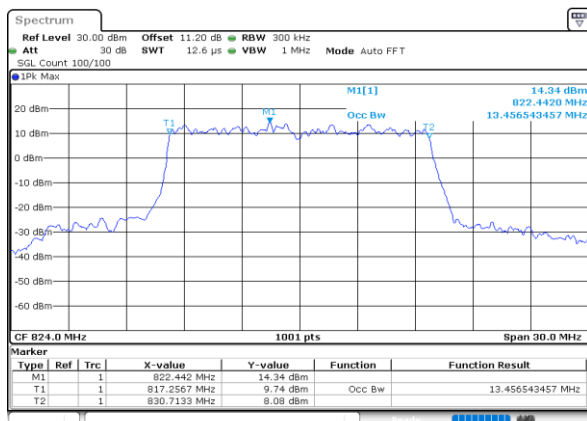
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM

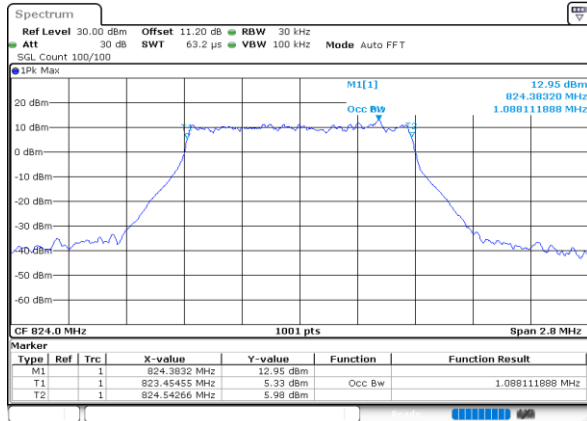


N/A

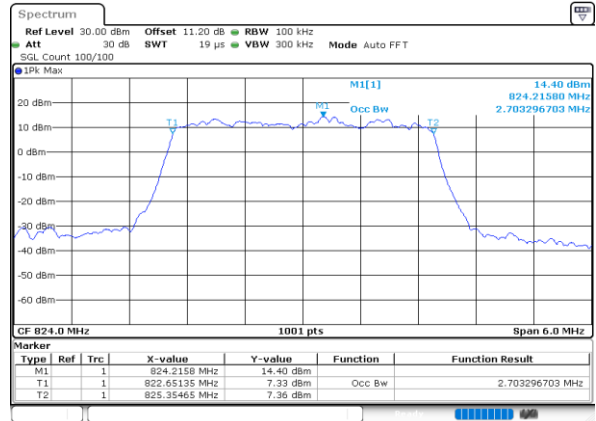


LTE Band 26

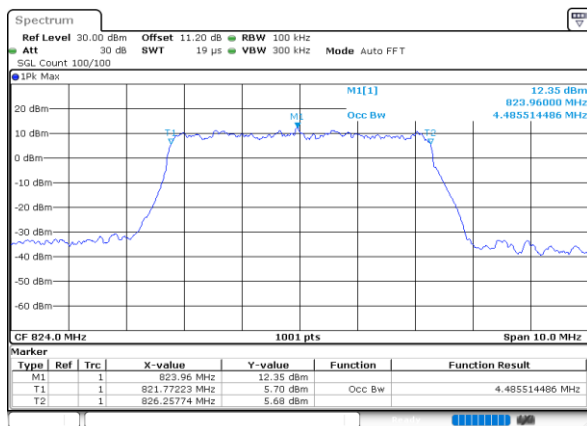
Middle Channel / 1.4MHz / 256QAM



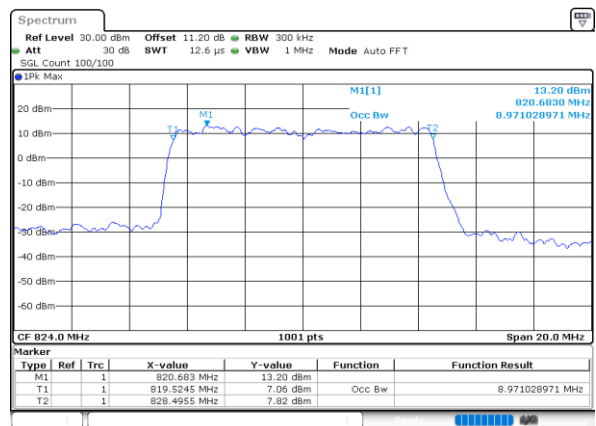
Middle Channel / 3MHz / 256QAM



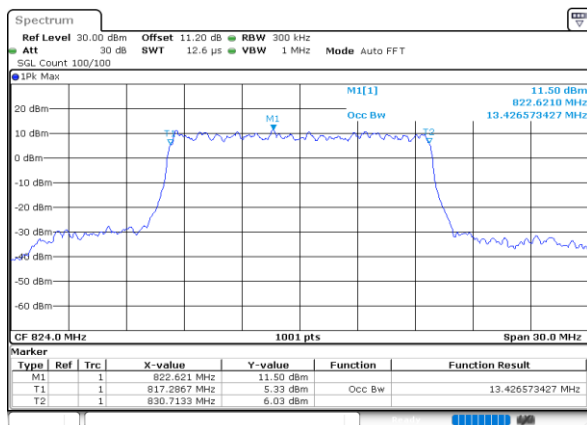
Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM



Middle Channel /15MHz / 256QAM



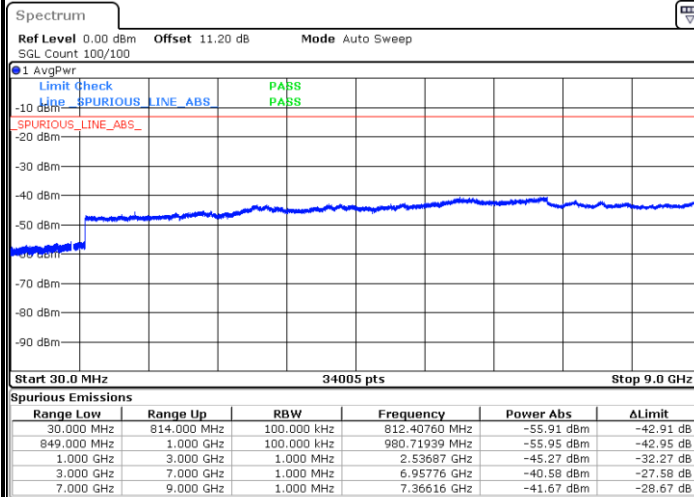
N/A



Conducted Spurious Emission

LTE Band 26 / 1.4MHz

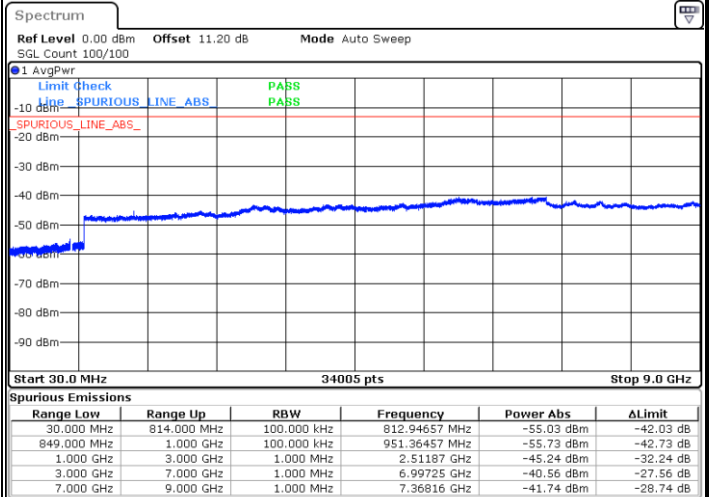
Middle Channel / QPSK



Date: 1.JUN.2023 17:04:31

LTE Band 26 / 3MHz

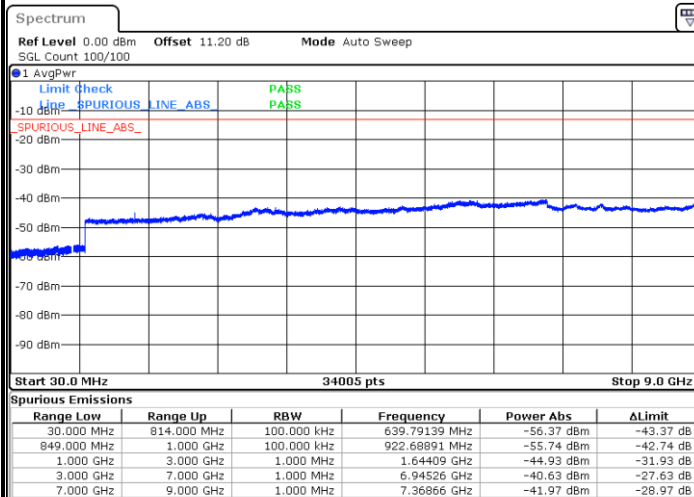
Middle Channel / QPSK



Date: 1.JUN.2023 17:05:56

LTE Band 26 / 5MHz

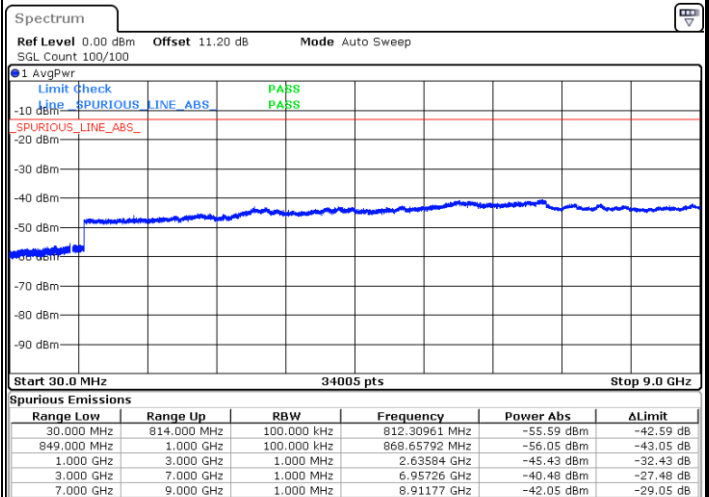
Middle Channel / QPSK



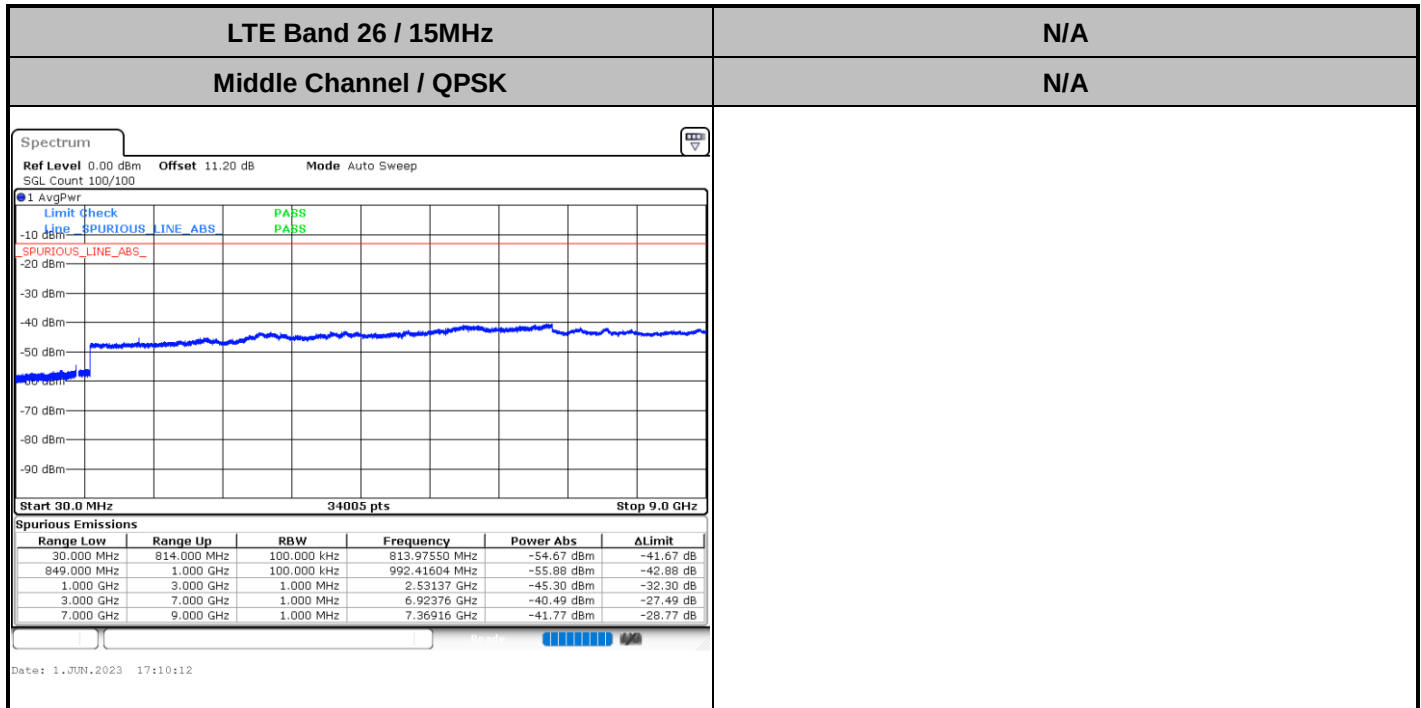
Date: 1.JUN.2023 17:07:22

LTE Band 26 / 10MHz

Middle Channel / QPSK



Date: 1.JUN.2023 17:08:47



Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Low Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0070	PASS
40	Normal Voltage	0.0056	
30	Normal Voltage	0.0126	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0070	
0	Normal Voltage	0.0072	
-10	Normal Voltage	0.0163	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0058	
20	Maximum Voltage	0.0166	
20	Normal Voltage	0.0070	
20	Battery End Point	0.0171	

Note:

1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

LTE Band 26

LTE Band 26 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1628	-59.16	-13	-46.16	-68.42	-62.52	3.86	9.37	H
	2443	-50.19	-13	-37.19	-63.8	-53.73	4.77	10.46	H
	3257	-58.58	-13	-45.58	-74.45	-62.86	5.52	11.94	H
									H
									H
									H
	1628	-56.84	-13	-43.84	-66.23	-60.2	3.86	9.37	V
	2443	-45.76	-13	-32.76	-59.61	-49.3	4.77	10.46	V
	3257	-58.02	-13	-45.02	-74.35	-62.3	5.52	11.94	V
									V
									V
									V
Middle	1633	-63.40	-13	-50.40	-72.67	-66.78	3.86	9.40	H
	2450	-59.52	-13	-46.52	-73.11	-63.09	4.78	10.50	H
	3267	-58.78	-13	-45.78	-74.64	-63.11	5.53	12.00	H
									H
									H
									H
	1633	-62.41	-13	-49.41	-71.81	-65.79	3.86	9.40	V
	2450	-57.34	-13	-44.34	-71.2	-60.91	4.78	10.50	V
	3267	-58.31	-13	-45.31	-74.64	-62.64	5.53	12.00	V
									V
									V
									V



Highest	1638	-58.09	-13	-45.09	-67.39	-61.5	3.87	9.43	H
	2458	-59.87	-13	-46.87	-73.45	-63.45	4.78	10.52	H
	3277	-58.61	-13	-45.61	-74.46	-62.99	5.53	12.06	H
									H
									H
									H
									H
	1638	-62.58	-13	-49.58	-72.01	-65.99	3.87	9.43	V
	2458	-57.43	-13	-44.43	-71.31	-61.01	4.78	10.52	V
	3277	-58.00	-13	-45.00	-74.32	-62.38	5.53	12.06	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

————THE END————