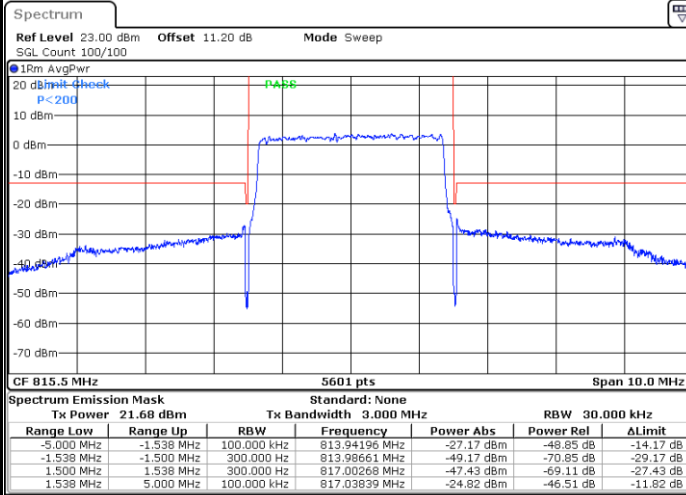


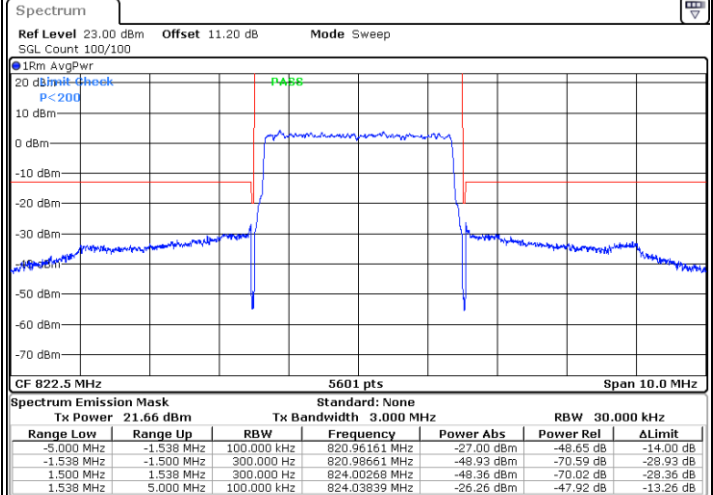


LTE Band 26 / 3MHz / QPSK

Lowest Channel / Full RB

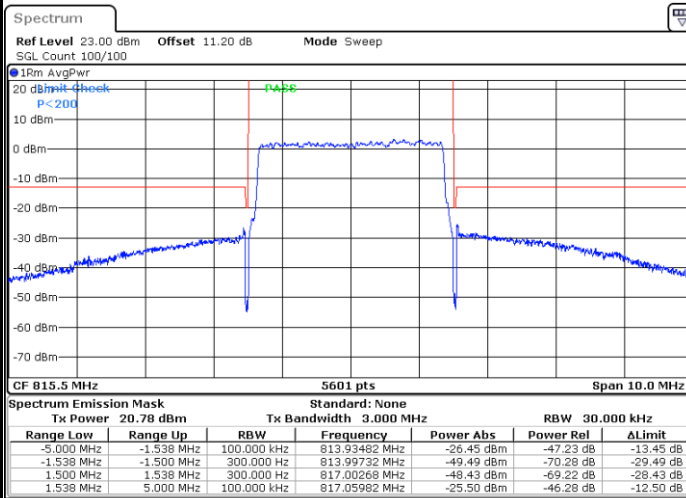


Highest Channel / Full RB

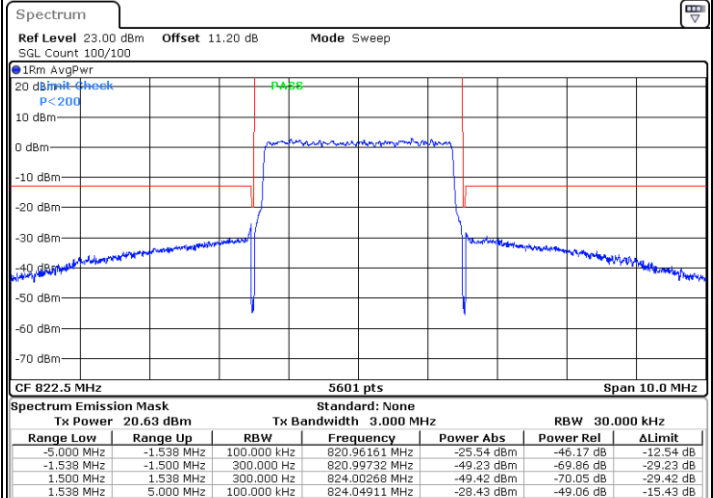


LTE Band 26 / 3MHz / 16QAM

Lowest Channel / Full RB



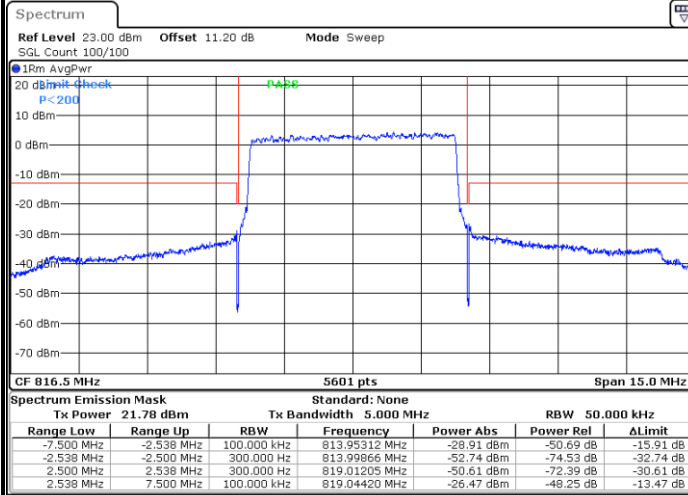
Highest Channel / Full RB



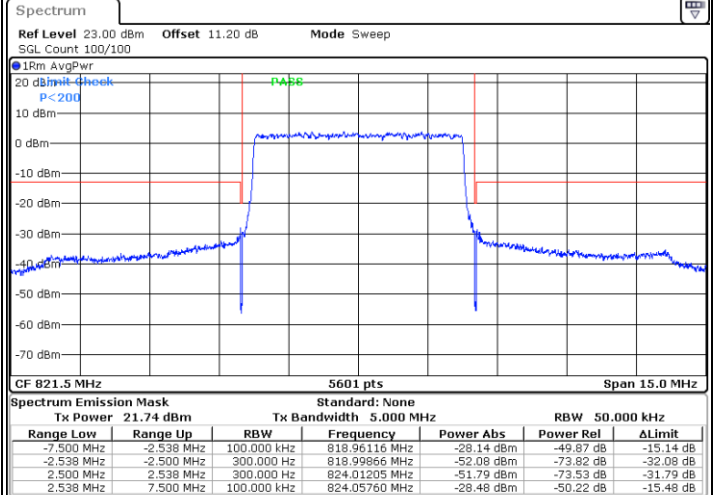


LTE Band 26 / 5MHz / QPSK

Lowest Channel / Full RB

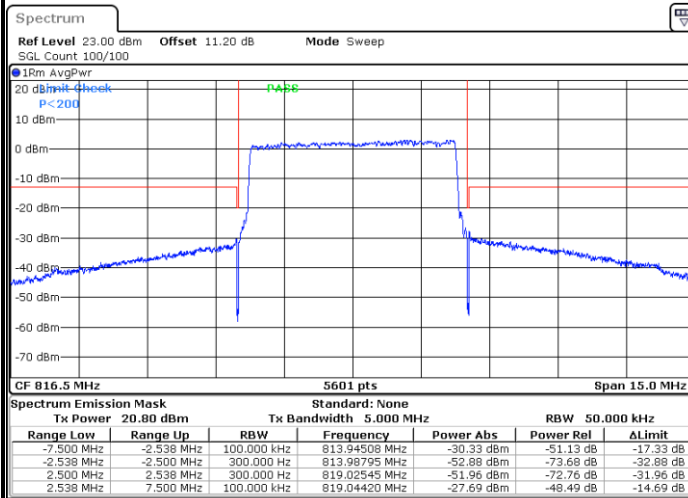


Highest Channel / Full RB

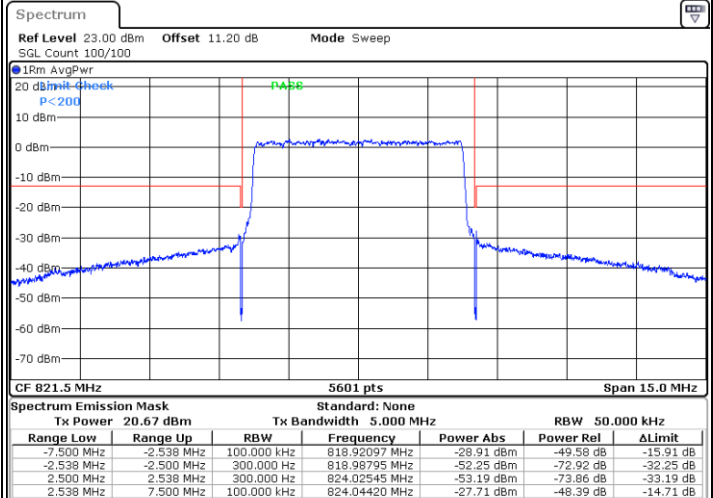


LTE Band 26 / 5MHz / 16QAM

Lowest Channel / Full RB



Highest Channel / Full RB





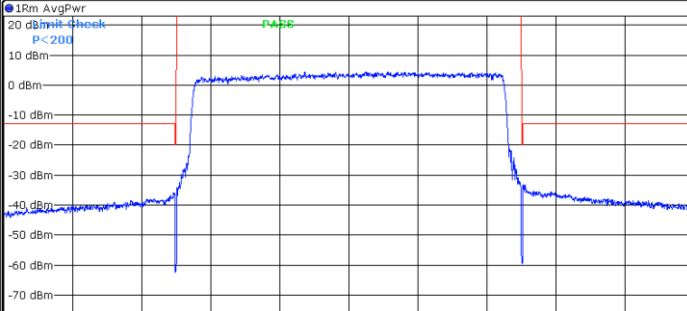
LTE Band 26 / 10MHz / QPSK

Middle Channel / Full RB

Spectrum

Ref Level 23.00 dBm Offset 11.20 dB Mode Sweep

SGL Count 100/100



CF 819.0 MHz 5601 pts Span 20.0 MHz

Spectrum Emission Mask		Standard: None		Tx Bandwidth 10.000 MHz				RBW 100.000 kHz	
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit			
-10.038 MHz	-5.038 MHz	300.000 Hz	813.91784 MHz	-35.79 dBm	-57.98 dB	-22.79 dB			
-5.038 MHz	5.038 MHz	300.000 Hz	813.99813 MHz	-59.93 dBm	-82.13 dB	-39.93 dB			
5.038 MHz	10.038 MHz	100.000 kHz	824.01688 MHz	-57.15 dBm	-79.35 dB	-37.15 dB			
5.038 MHz	10.038 MHz	100.000 kHz	824.03929 MHz	-33.25 dBm	-55.44 dB	-20.25 dB			

Date: 1.DEC.2023 18:24:57

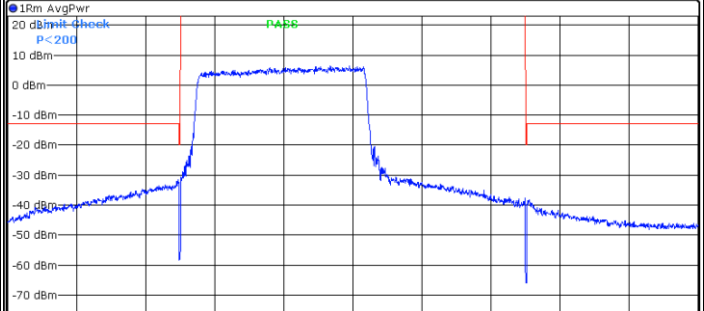
LTE Band 26 / 10MHz / 16QAM

Middle Channel / 27 RB0

Spectrum

Ref Level 23.00 dBm Offset 11.20 dB Mode Sweep

SGL Count 100/100



CF 819.0 MHz 5601 pts Span 20.0 MHz

Spectrum Emission Mask		Standard: None		Tx Bandwidth 10.000 MHz				RBW 100.000 kHz	
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit			
-10.038 MHz	-5.038 MHz	100.000 kHz	813.92856 MHz	-31.65 dBm	-52.83 dB	-18.65 dB			
-5.038 MHz	5.038 MHz	300.000 Hz	813.96812 MHz	-55.77 dBm	-76.96 dB	-35.77 dB			
5.038 MHz	10.038 MHz	300.000 Hz	824.00188 MHz	-62.80 dBm	-83.99 dB	-42.80 dB			
5.038 MHz	10.038 MHz	100.000 kHz	824.11491 MHz	-38.26 dBm	-59.45 dB	-25.26 dB			

Date: 1.DEC.2023 18:26:11

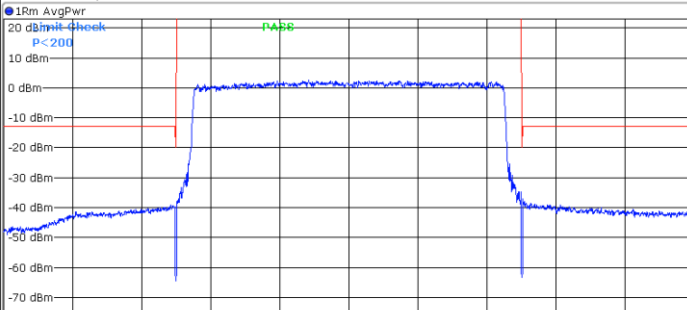
LTE Band 26 / 15MHz / QPSK

Lowest Channel / Full RB

Spectrum

Ref Level 23.00 dBm Offset 11.20 dB Mode Sweep

SGL Count 100/100



CF 821.5 MHz 5601 pts Span 30.0 MHz

Spectrum Emission Mask		Standard: None		Tx Bandwidth 15.000 MHz				RBW 100.000 kHz	
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit			
-15.000 MHz	-7.538 MHz	100.000 kHz	813.75625 MHz	-39.04 dBm	-61.08 dB	-26.04 dB			
-7.538 MHz	7.500 MHz	300.000 Hz	813.98125 MHz	-62.88 dBm	-84.91 dB	-42.88 dB			
7.500 MHz	15.000 MHz	300.000 Hz	829.01339 MHz	-62.38 dBm	-84.42 dB	-42.38 dB			
7.538 MHz	15.000 MHz	100.000 kHz	829.05625 MHz	-37.16 dBm	-59.20 dB	-24.16 dB			

Date: 1.DEC.2023 18:34:43

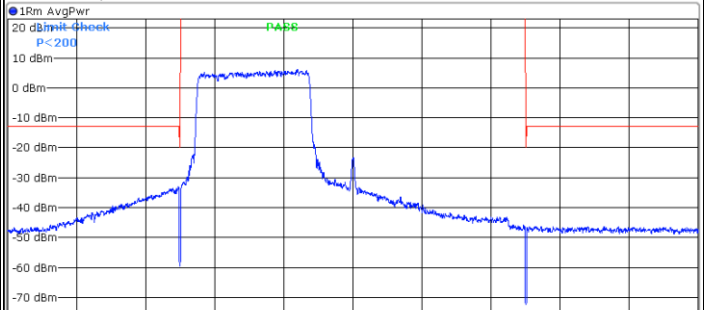
LTE Band 26 / 15MHz / 16QAM

Lowest Channel / 27 RB00

Spectrum

Ref Level 23.00 dBm Offset 11.20 dB Mode Sweep

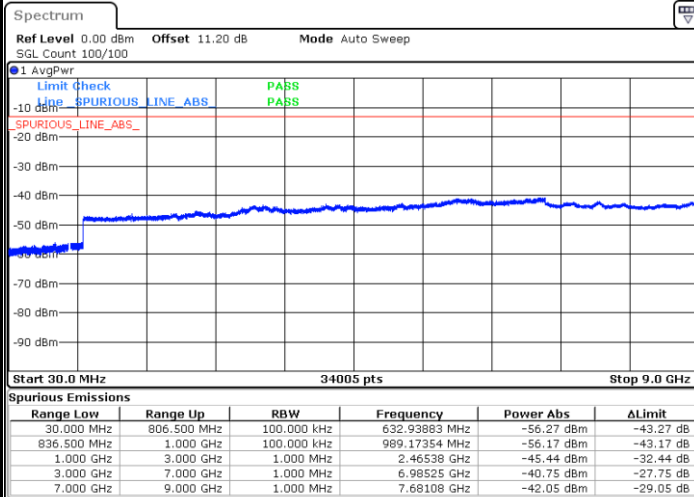
SGL Count 100/100



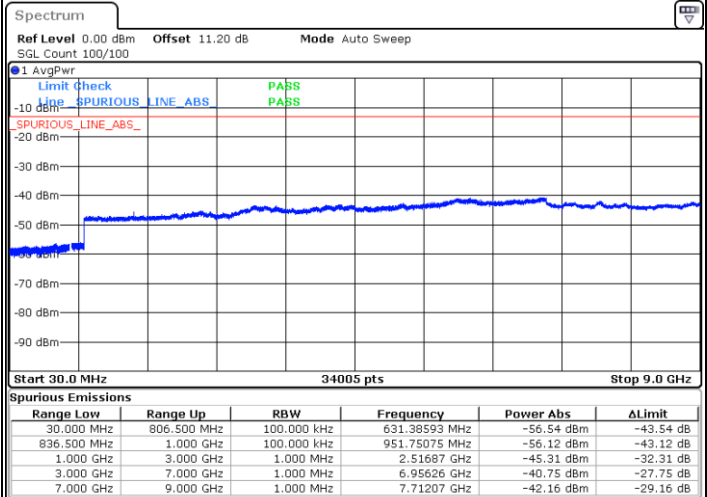
CF 821.5 MHz 5601 pts Span 30.0 MHz

Spectrum Emission Mask		Standard: None		Tx Bandwidth 15.000 MHz				RBW 100.000 kHz	
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit			
-15.000 MHz	-7.538 MHz	100.000 kHz	813.90625 MHz	-32.97 dBm	-54.06 dB	-19.97 dB			
-7.538 MHz	7.500 MHz	300.000 Hz	813.99732 MHz	-58.21 dBm	-79.30 dB	-38.21 dB			
7.500 MHz	15.000 MHz	300.000 Hz	829.00268 MHz	-72.01 dBm	-93.10 dB	-52.01 dB			
7.538 MHz	15.000 MHz	100.000 kHz	829.67768 MHz	-46.24 dBm	-67.33 dB	-33.24 dB			

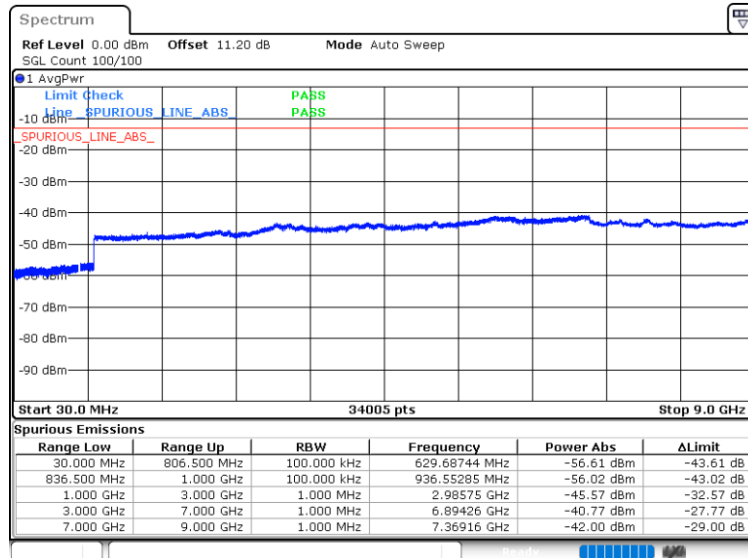
Date: 1.DEC.2023 18:35:58

**Emission masks – Out of band emissions****LTE Band 26 / 1.4MHz****Lowest Channel / QPSK**

Date: 1.DEC.2023 16:27:21

Middle Channel / QPSK

Date: 1.DEC.2023 16:31:30

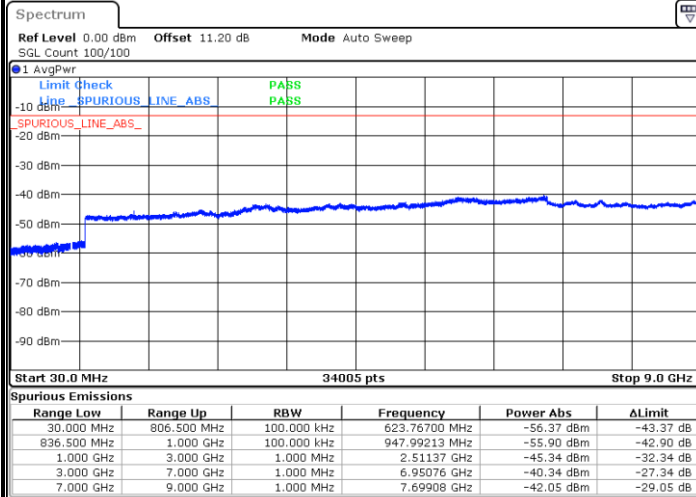
Highest Channel / QPSK

Date: 1.DEC.2023 16:32:47



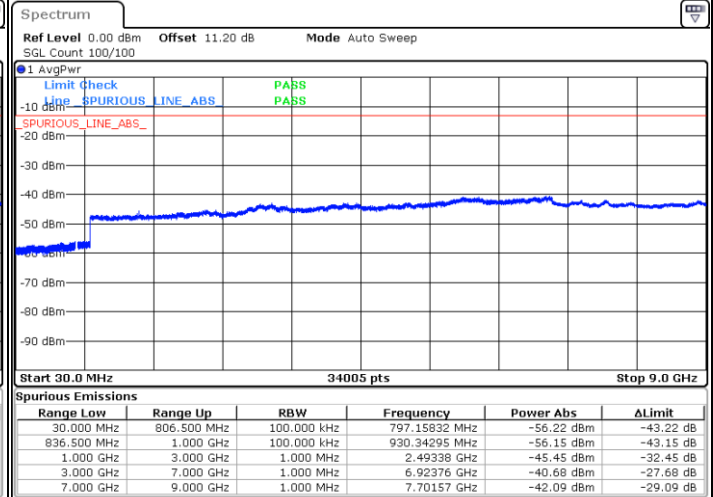
LTE Band 26 / 3MHz

Lowest Channel / QPSK



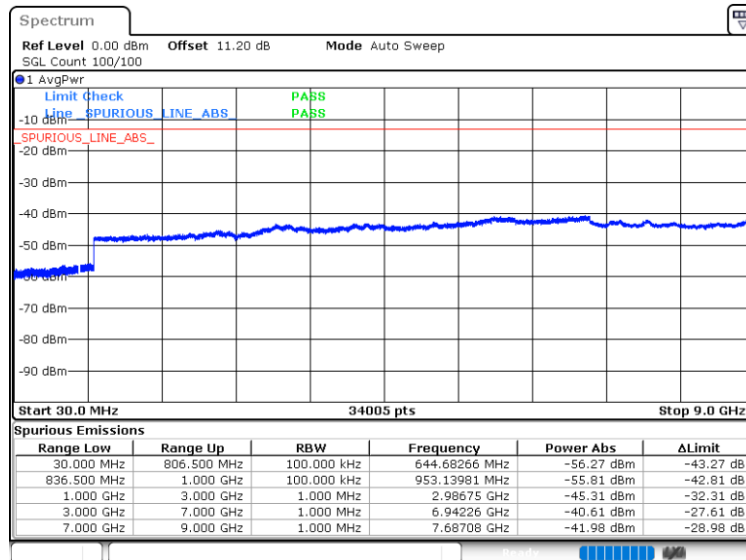
Date: 1.DEC.2023 18:55:57

Middle Channel / QPSK



Date: 1.DEC.2023 18:57:11

Highest Channel / QPSK

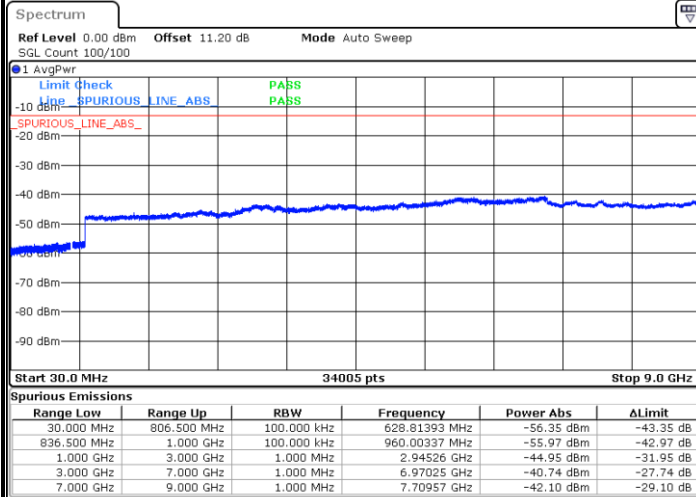


Date: 1.DEC.2023 18:58:25



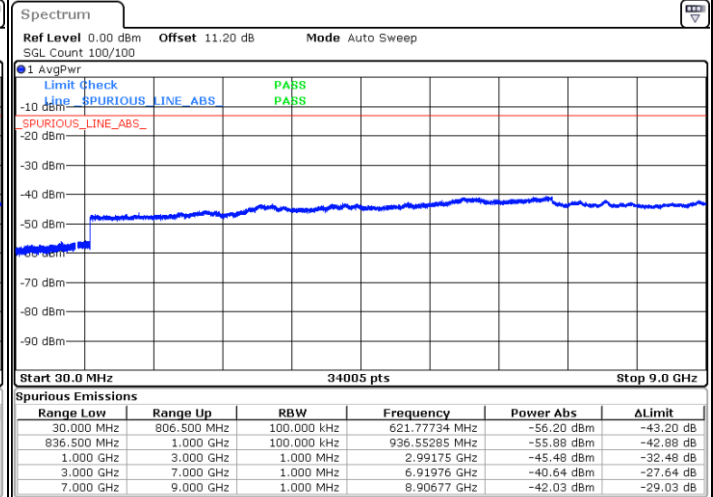
LTE Band 26 / 5MHz

Lowest Channel / QPSK



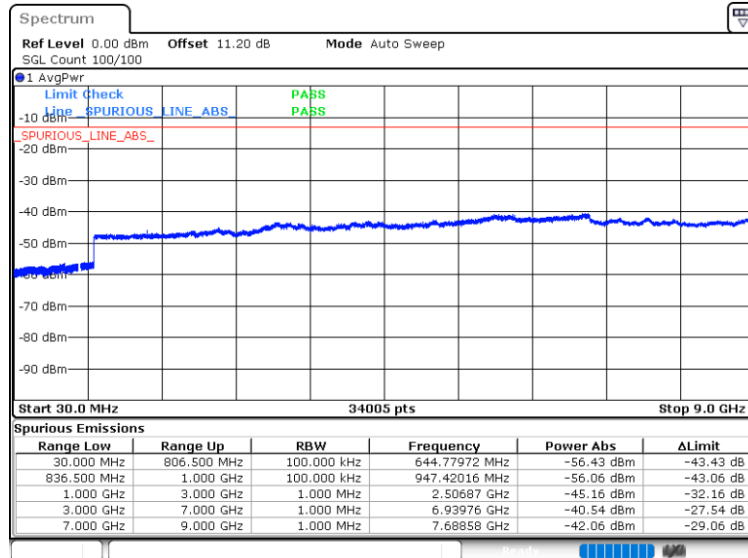
Date: 1.DEC.2023 19:00:22

Middle Channel / QPSK



Date: 1.DEC.2023 19:01:36

Highest Channel / QPSK

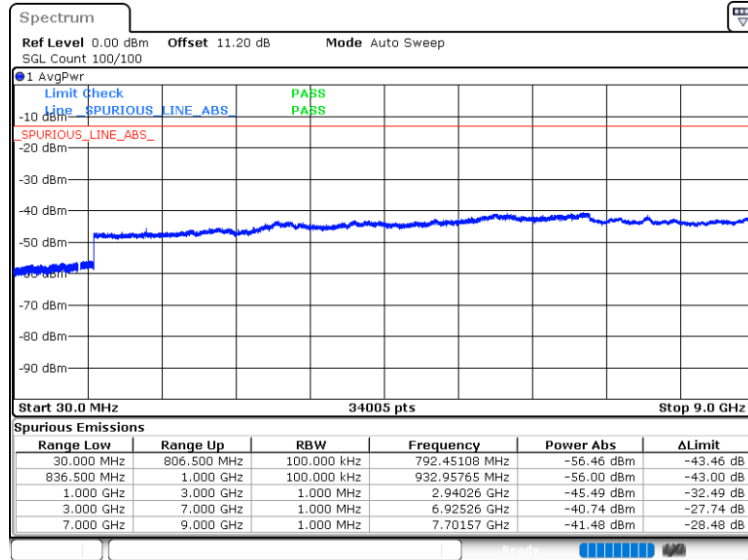


Date: 1.DEC.2023 19:02:51



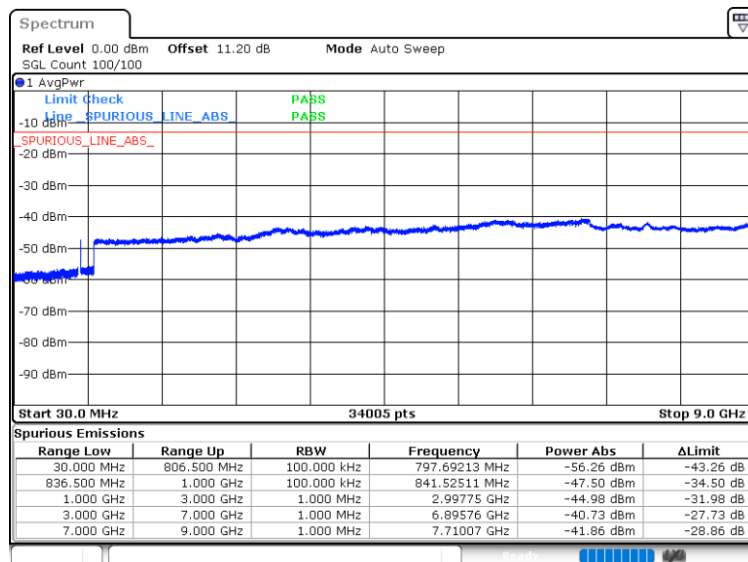
LTE Band 26 / 10MHz

Middle Channel / QPSK



LTE Band 26 / 15MHz

Lowest Channel / QPSK



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	0.0054	PASS
30	Normal Voltage	0.0035	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0040	
20	Maximum Voltage	0.0190	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0020	

Note: Normal Voltage = 3.88 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.

Test Conditions		LTE Band 26 (QPSK) / Low Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15MHz	2.5ppm
		Deviation (ppm)	Result
35	Normal Voltage	0.0105	PASS
30	Normal Voltage	0.0131	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0191	
0	Normal Voltage	0.0038	
20	Maximum Voltage	0.0094	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0172	

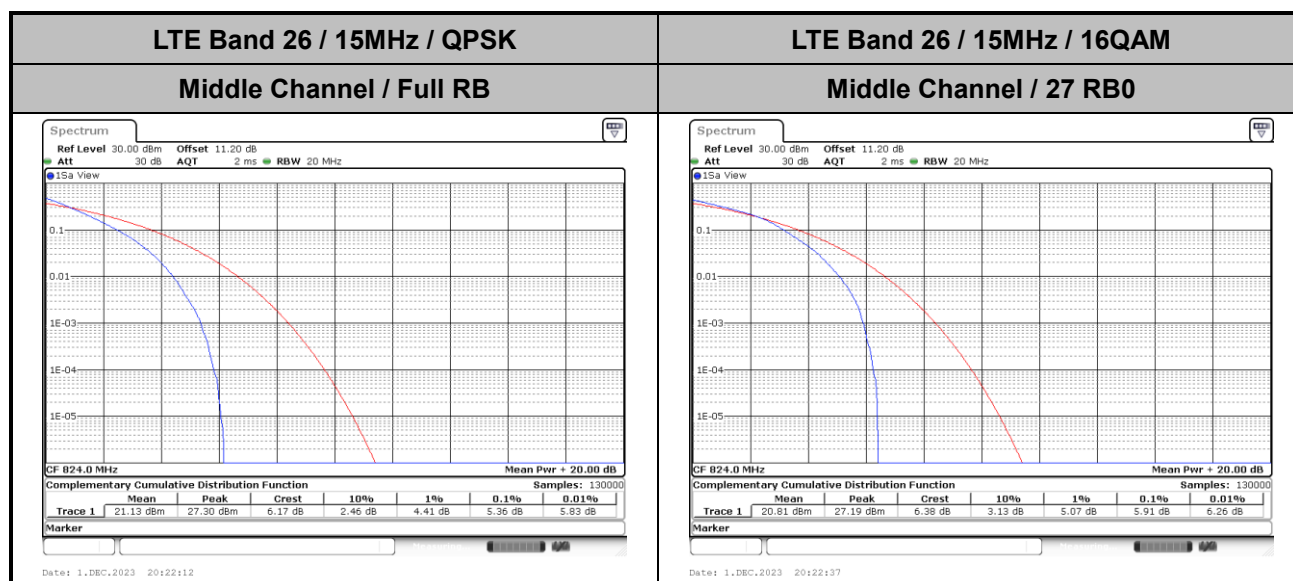
Note: Normal Voltage = 3.88 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.



LTE Band 26_Part 90S_824MHz

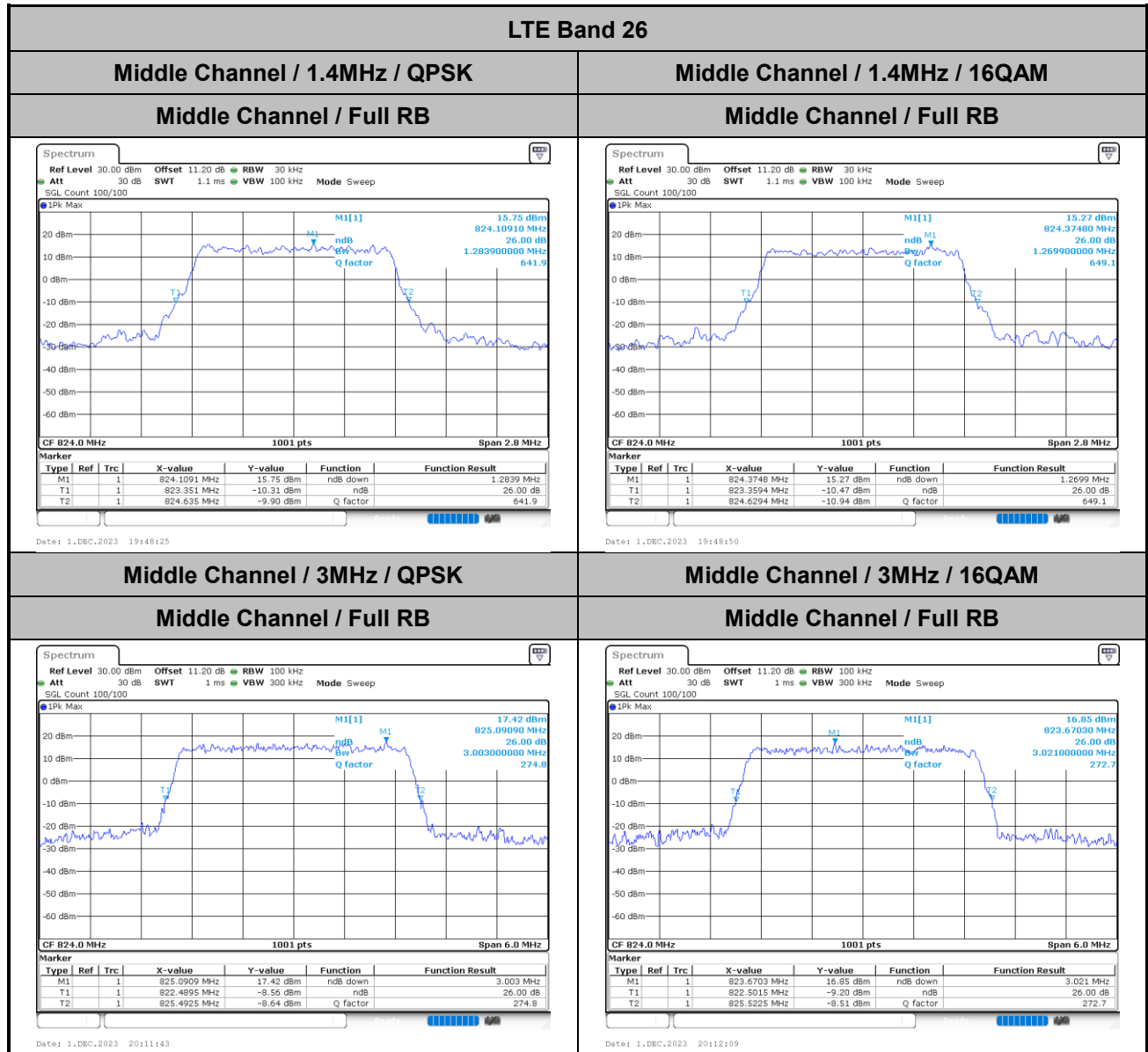
Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	27 RB	Result
Middle CH	5.36	5.91	PASS



**26dB Bandwidth**

Mode	LTE Band 26 : 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	1.28	1.26	3.00	3.02	4.92	4.91	9.71	5.33	14.35	5.54	-	-





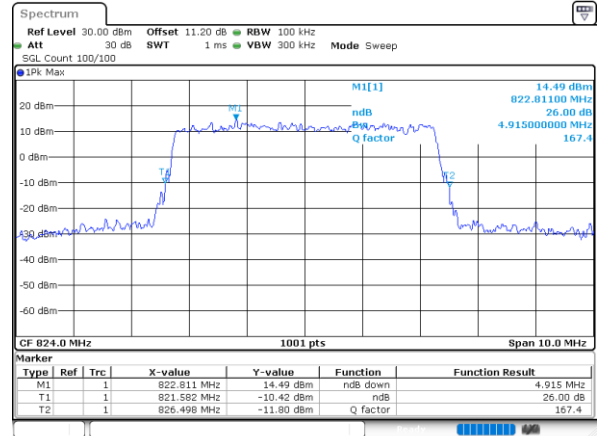
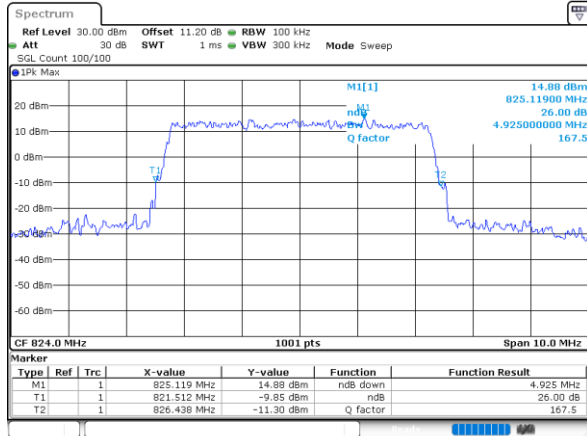
LTE Band 26

Middle Channel / 5MHz / QPSK

Middle Channel / 5MHz / 16QAM

Middle Channel / Full RB

Middle Channel / Full RB

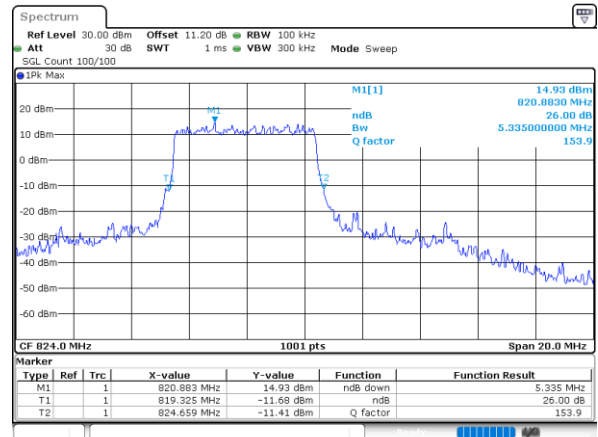
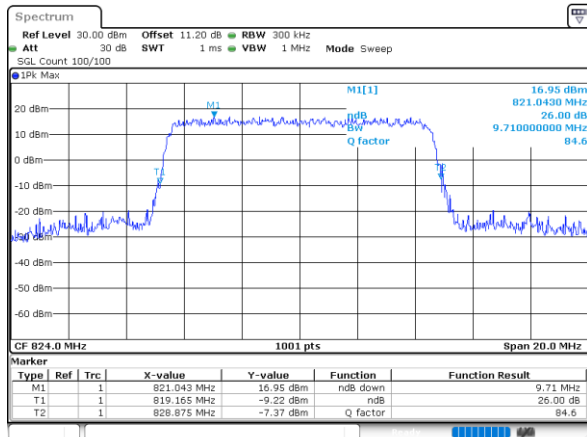


Middle Channel / 10MHz / QPSK

Middle Channel / 10MHz / 16QAM

Middle Channel / Full RB

Middle Channel /27 RB0





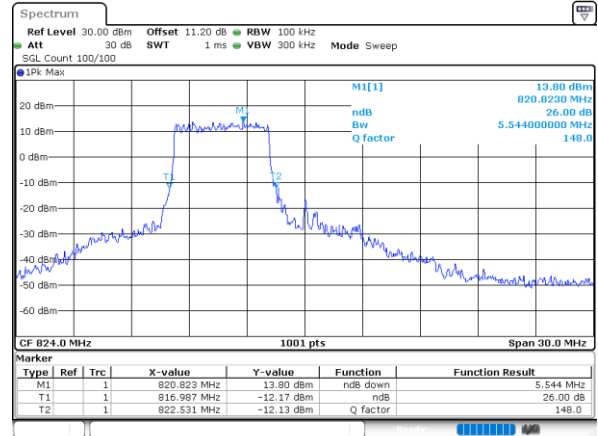
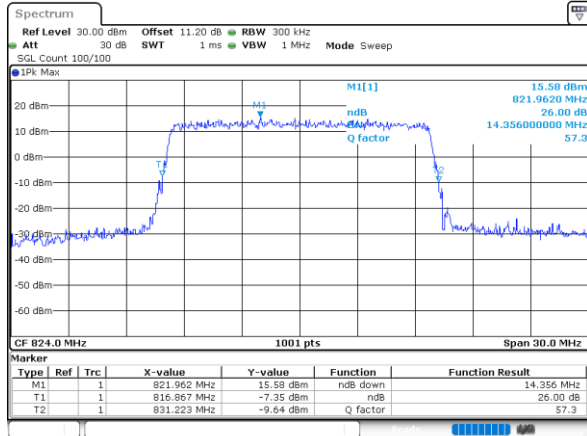
LTE Band 26

Middle Channel / 15MHz / QPSK

Middle Channel / 15MHz / 16QAM

Middle Channel / Full RB

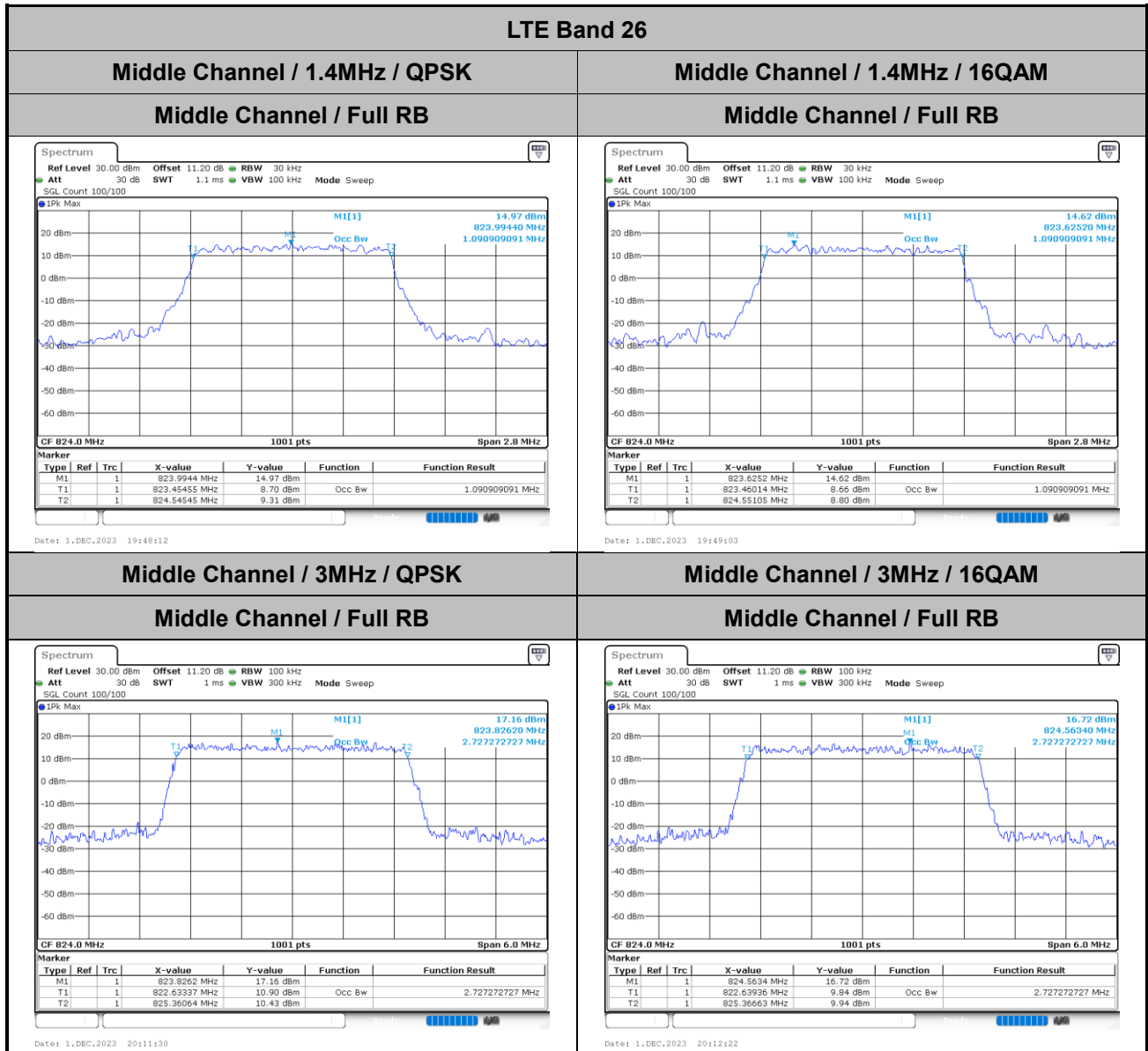
Middle Channel /27 RB0





Occupied Bandwidth

Mode	LTE Band 26 : 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	2.72	2.72	4.49	4.48	9.03	4.85	13.39	4.88	-	-





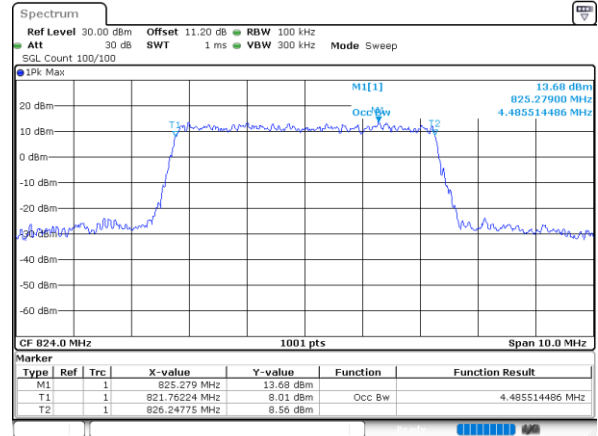
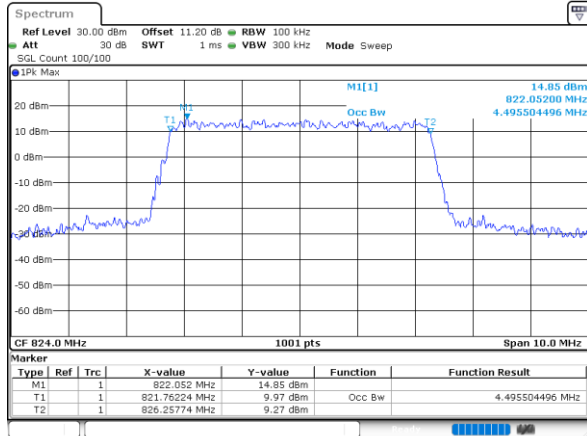
LTE Band 26

Middle Channel / 5MHz / QPSK

Middle Channel / 5MHz / 16QAM

Middle Channel / Full RB

Middle Channel / Full RB

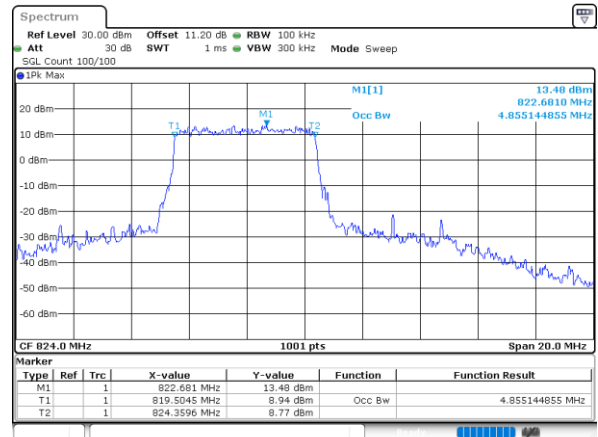
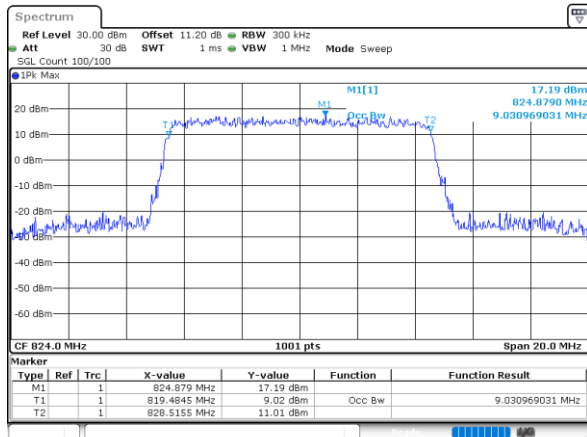


Middle Channel / 10MHz / QPSK

Middle Channel / 10MHz / 16QAM

Middle Channel / Full RB

Middle Channel / 27 RB0





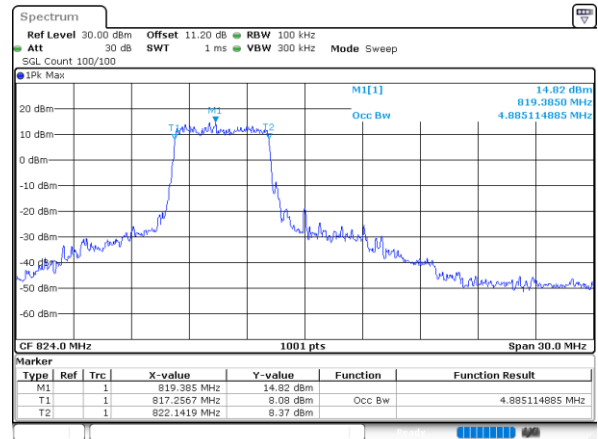
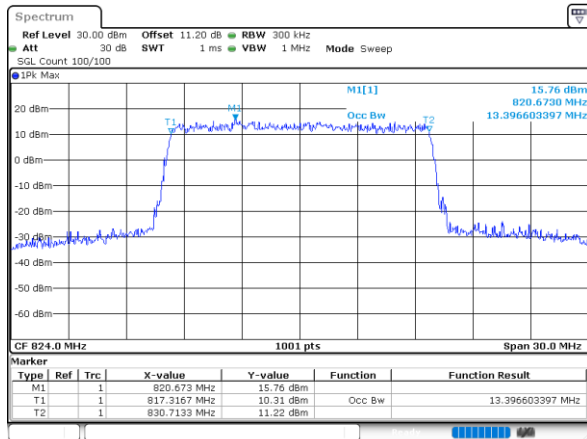
LTE Band 26

Middle Channel / 15MHz / QPSK

Middle Channel / 15MHz / 16QAM

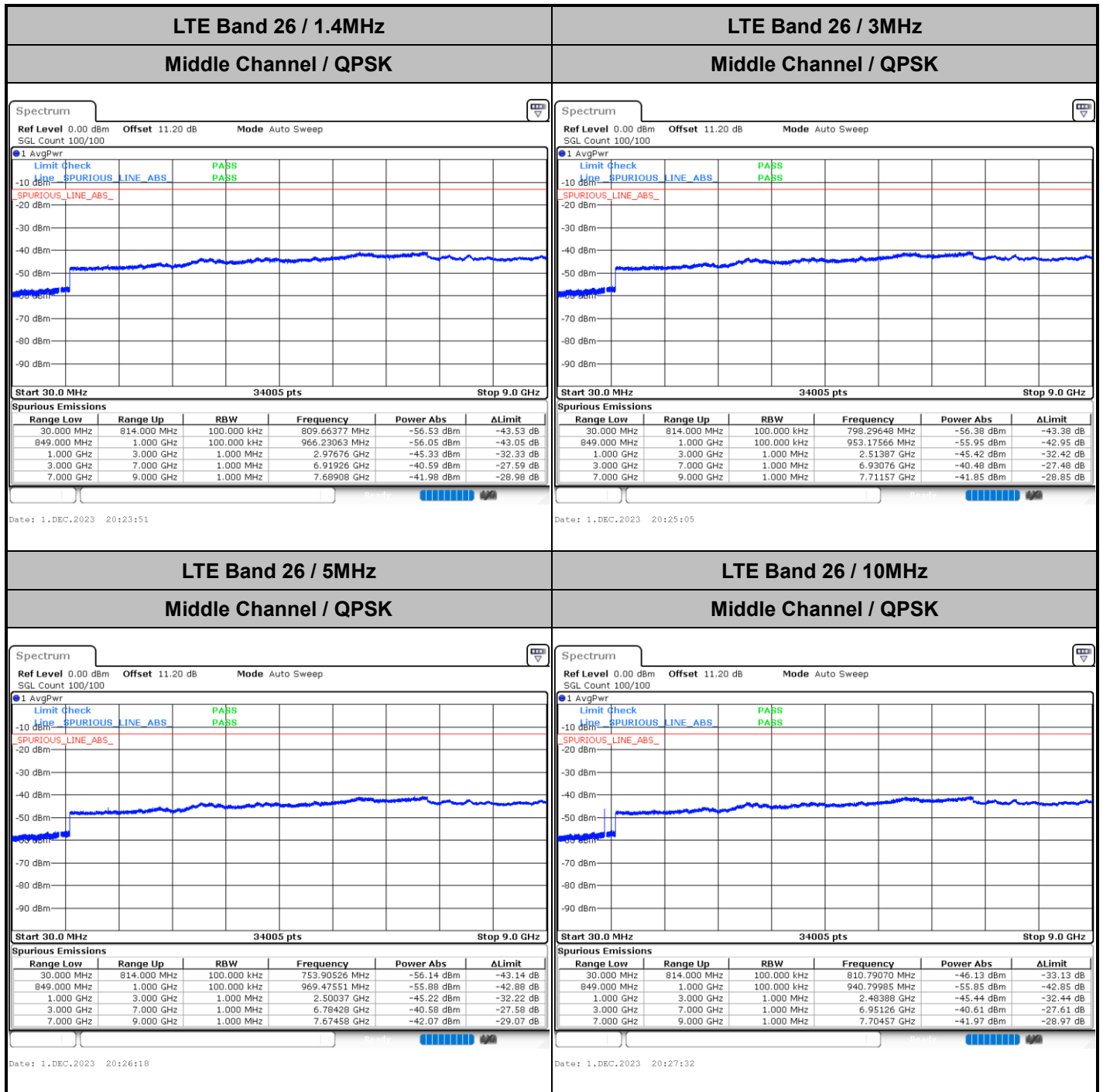
Middle Channel / Full RB

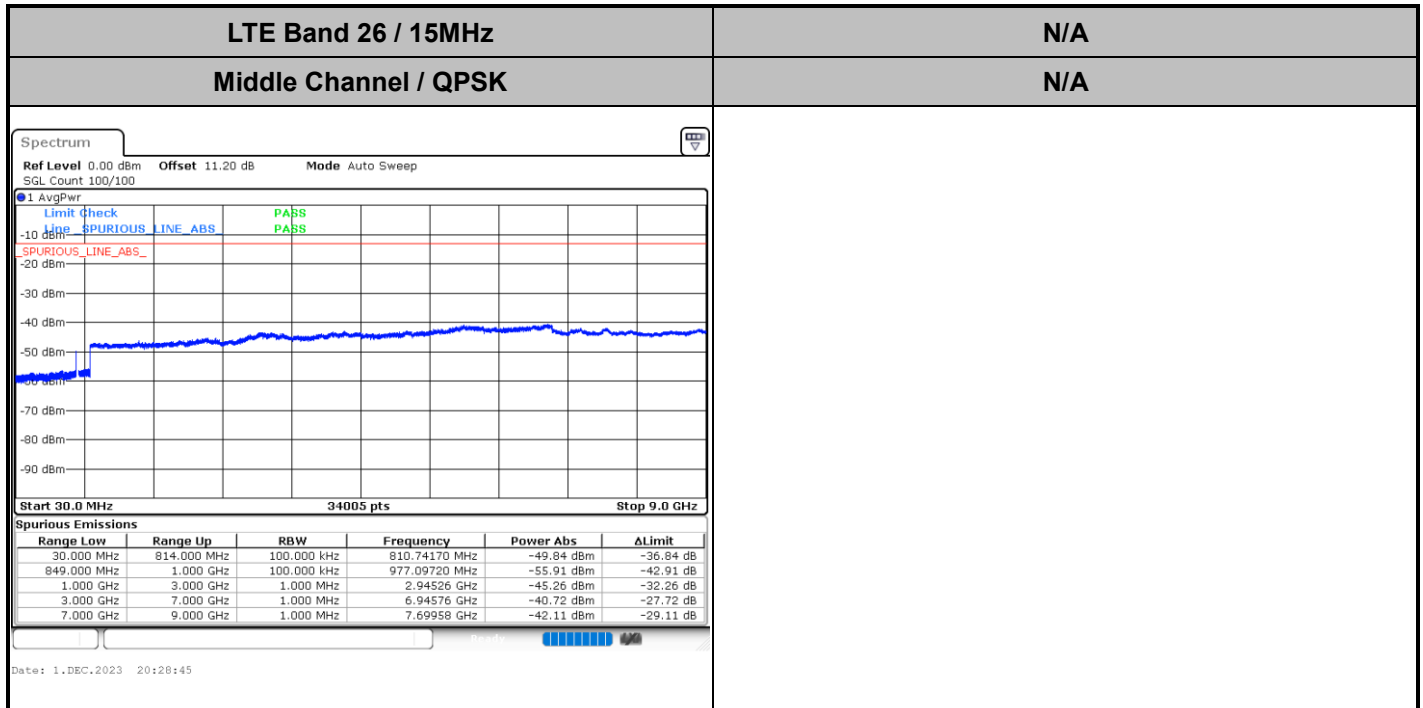
Middle Channel / 27 RB0





Conducted Spurious Emission





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	0.0054	PASS
30	Normal Voltage	0.0035	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0040	
20	Maximum Voltage	0.0190	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0020	

Note: Normal Voltage = 3.88 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.

Test Conditions		LTE Band 26 (QPSK) / Low Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15MHz	2.5ppm
		Deviation (ppm)	Result
35	Normal Voltage	0.0028	PASS
30	Normal Voltage	0.0097	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0084	
0	Normal Voltage	0.0113	
20	Maximum Voltage	0.0063	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0028	

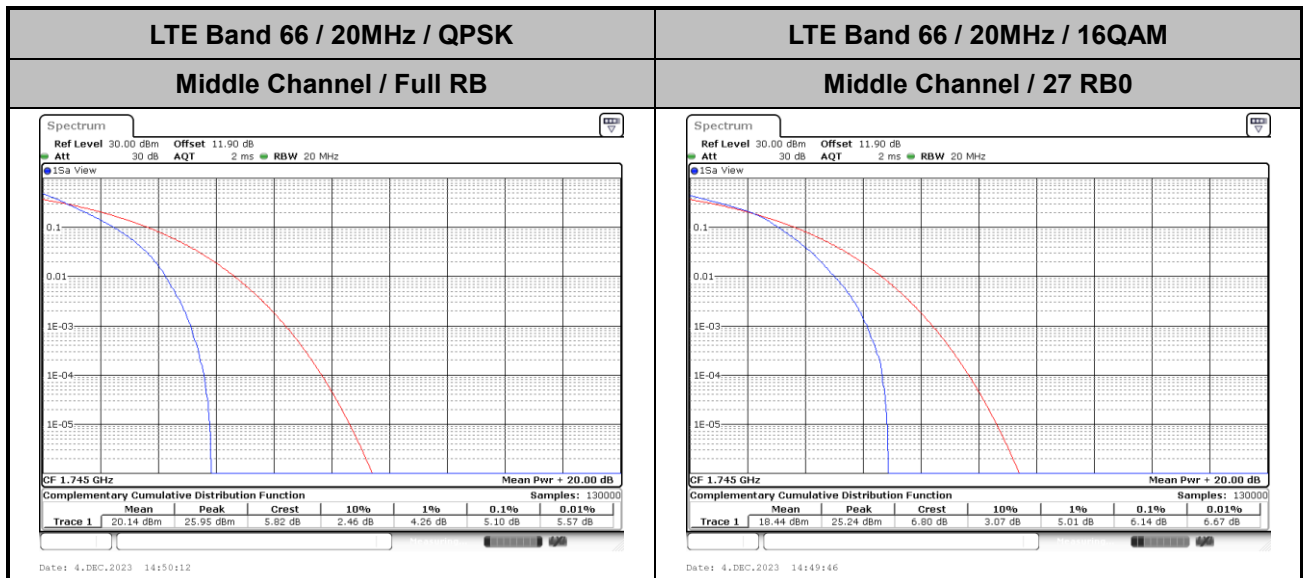
Note: Normal Voltage = 3.88 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.



LTE Band 66

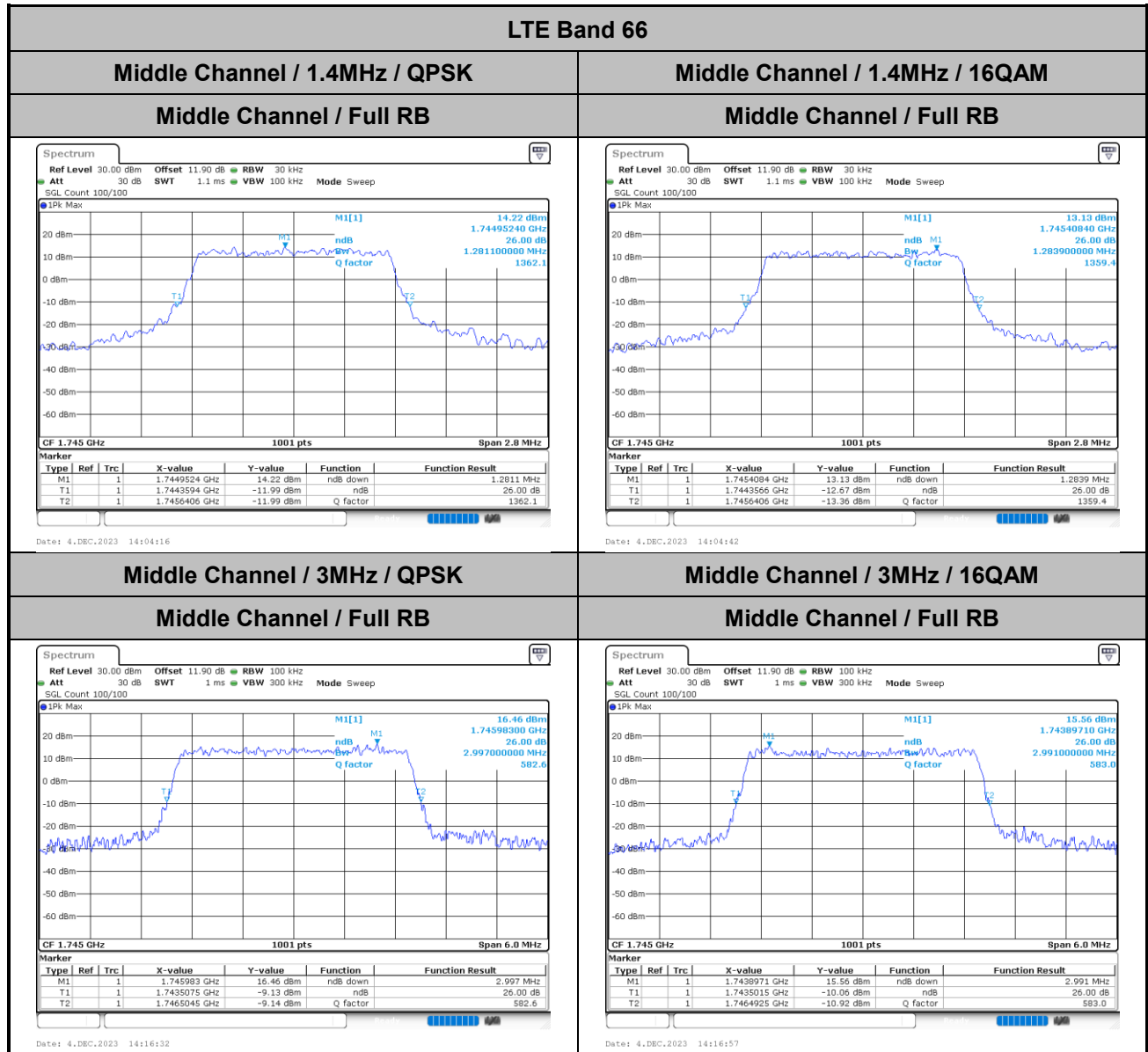
Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	27 RB	Result
Middle CH	5.10	6.14	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	1.28	1.28	2.99	2.99	4.97	4.89	9.68	5.29	14.47	5.51	18.94	5.55





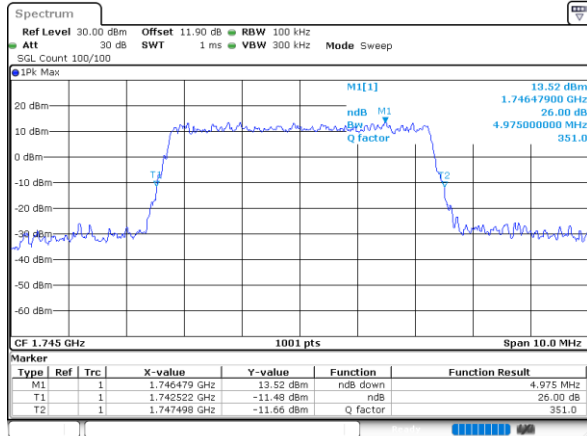
LTE Band 66

Middle Channel / 5MHz / QPSK

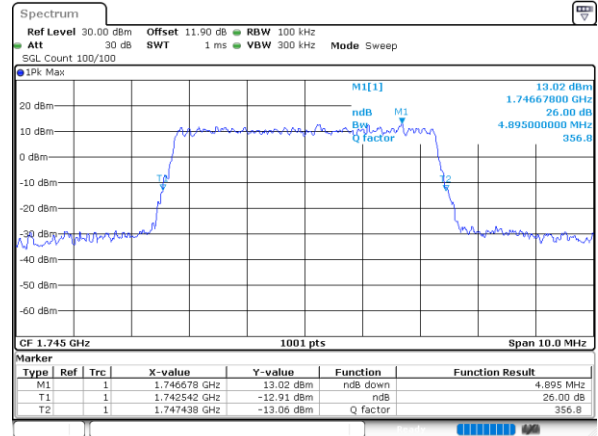
Middle Channel / 5MHz / 16QAM

Middle Channel / Full RB

Middle Channel / Full RB



Date: 4.DEC.2023 14:23:52



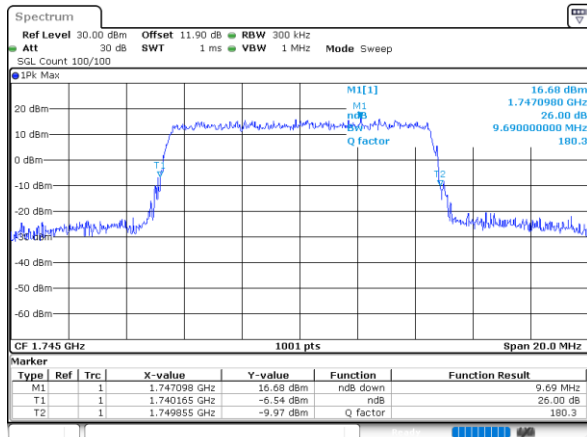
Date: 4.DEC.2023 14:24:17

Middle Channel / 10MHz / QPSK

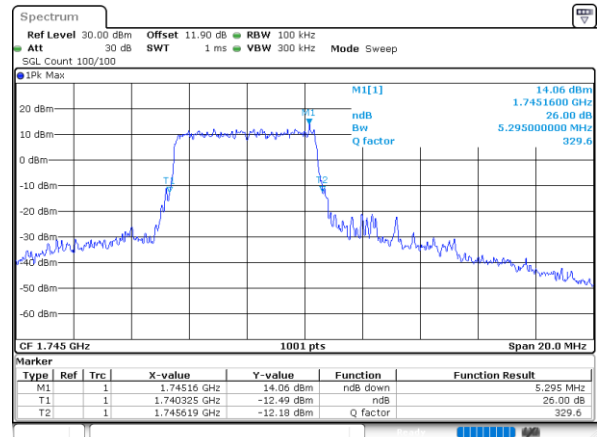
Middle Channel / 10MHz / 16QAM

Middle Channel / Full RB

Middle Channel / 27 RB0



Date: 4.DEC.2023 14:31:25



Date: 4.DEC.2023 14:31:51



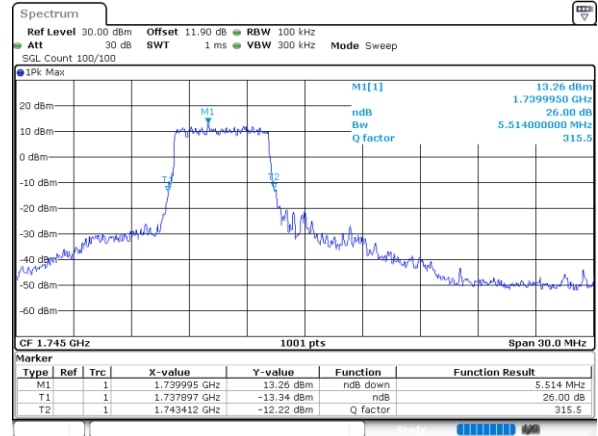
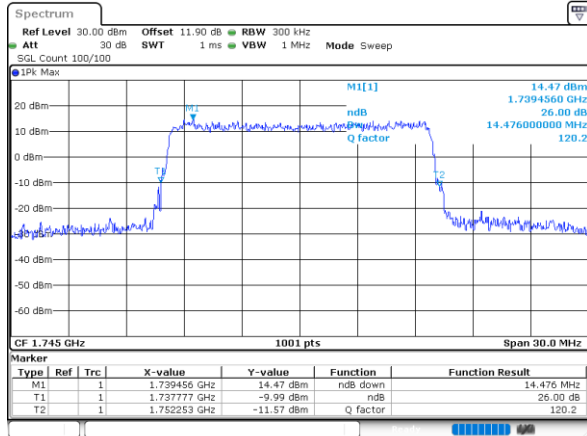
LTE Band 66

Middle Channel / 15MHz / QPSK

Middle Channel / 15MHz / 16QAM

Middle Channel / Full RB

Middle Channel / 27 RB0

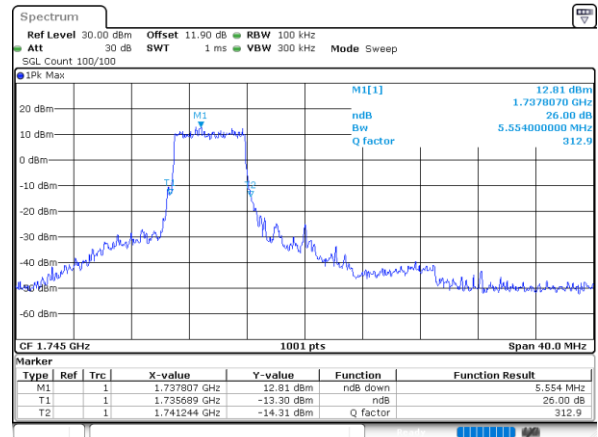
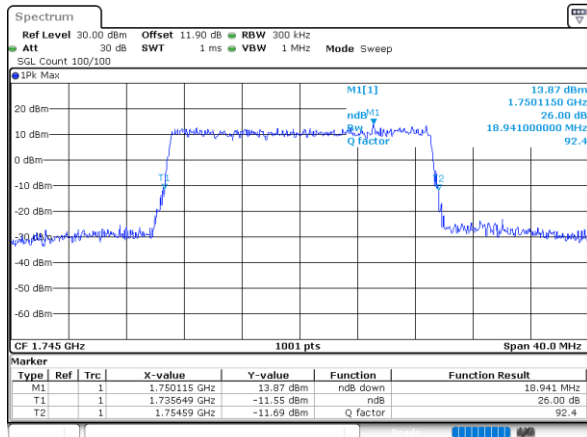


Middle Channel / 20MHz / QPSK

Middle Channel / 20MHz / 16QAM

Middle Channel / Full RB

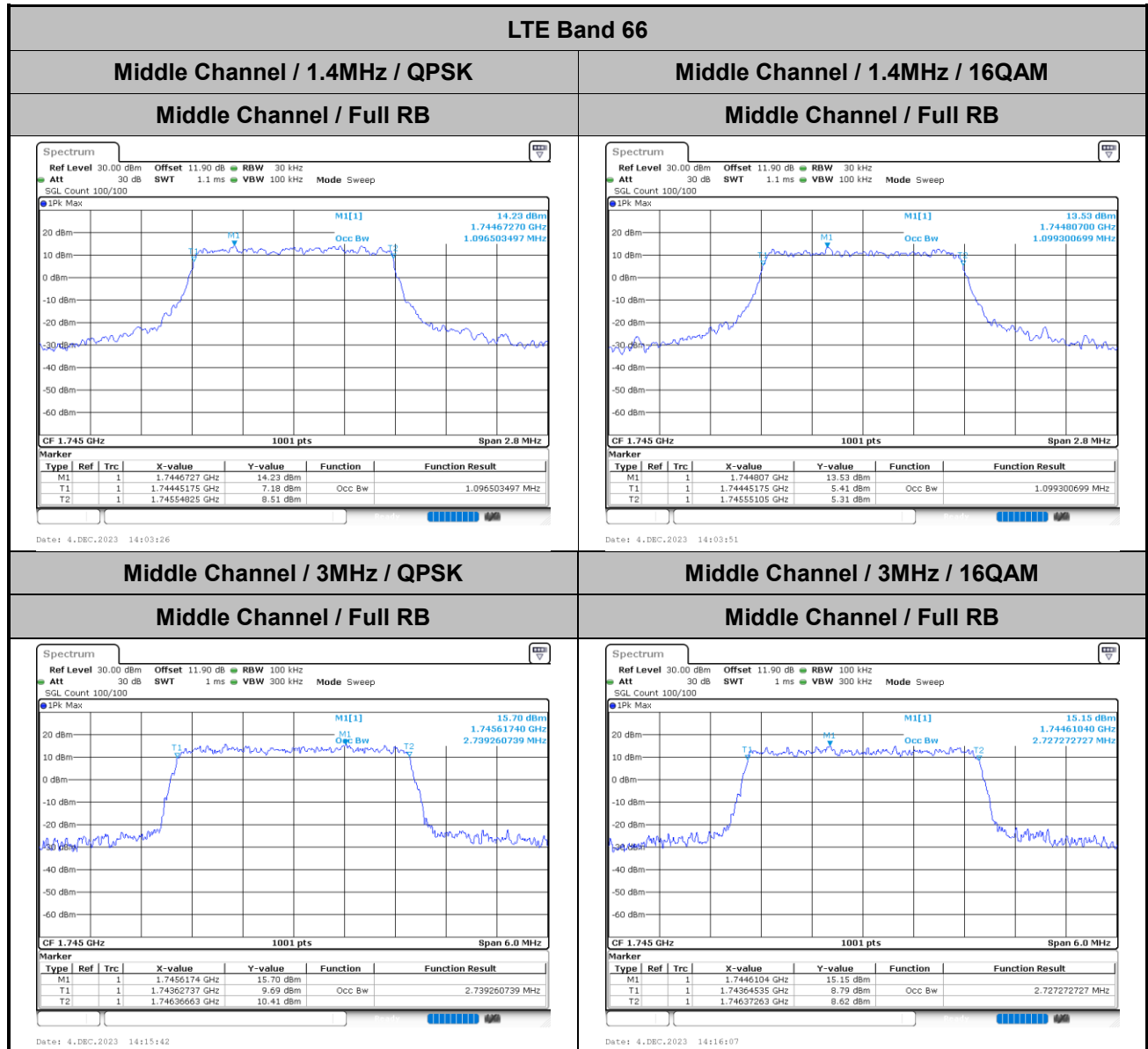
Middle Channel / 27 RB0





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	2.73	2.72	4.49	4.48	9.05	4.87	13.42	4.85	17.90	4.91





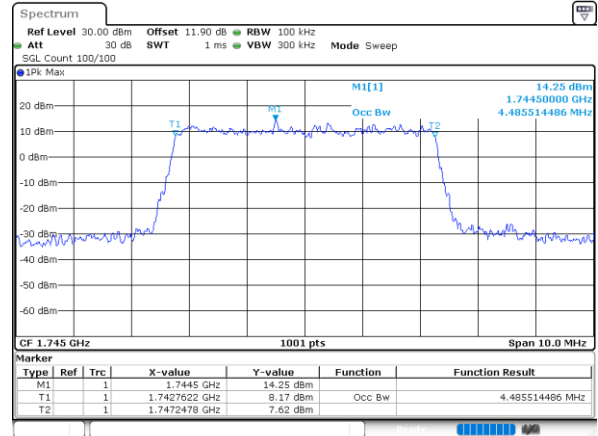
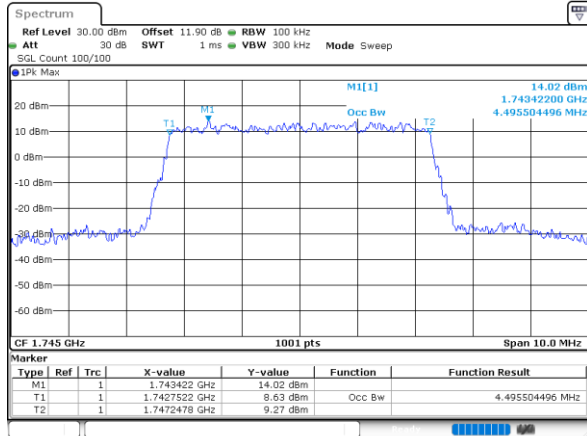
LTE Band 66

Middle Channel / 5MHz / QPSK

Middle Channel / 5MHz / 16QAM

Middle Channel / Full RB

Middle Channel / Full RB

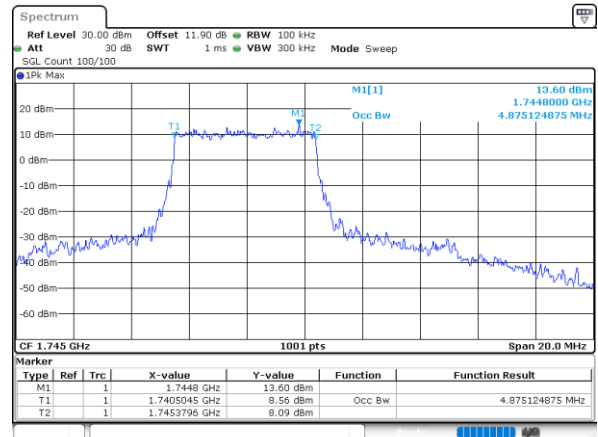
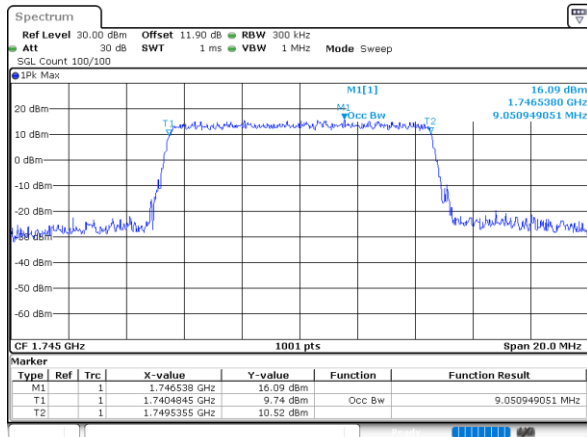


Middle Channel / 10MHz / QPSK

Middle Channel / 10MHz / 16QAM

Middle Channel / Full RB

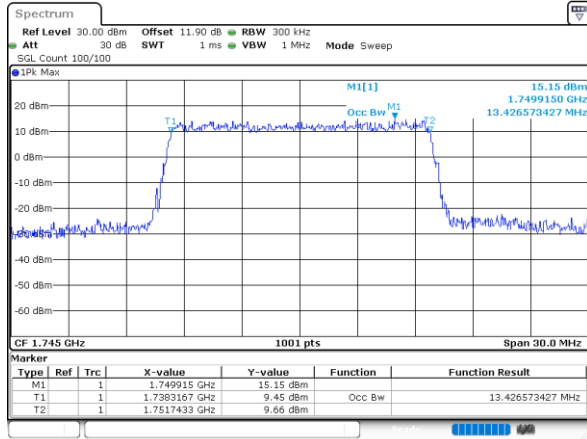
Middle Channel / 27 RB0





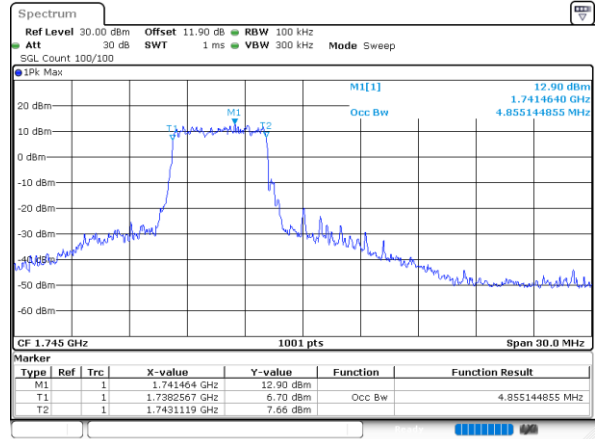
Middle Channel / 15MHz / QPSK

Middle Channel / Full RB



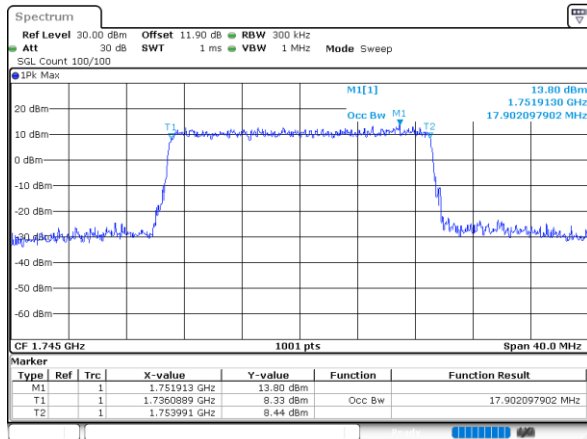
Middle Channel / 15MHz / 16QAM

Middle Channel / 27 RB0



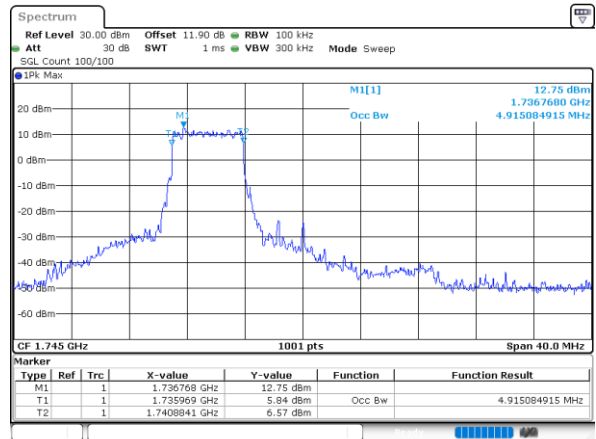
Middle Channel / 20MHz / QPSK

Middle Channel / Full RB



Middle Channel / 20MHz / 16QAM

Middle Channel / 27 RB0

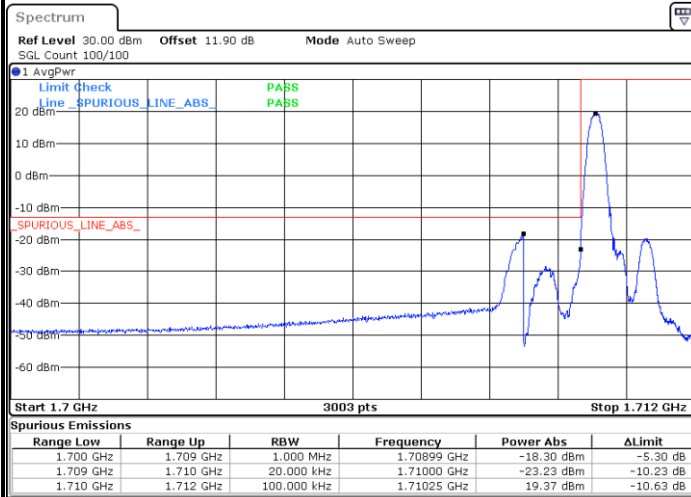




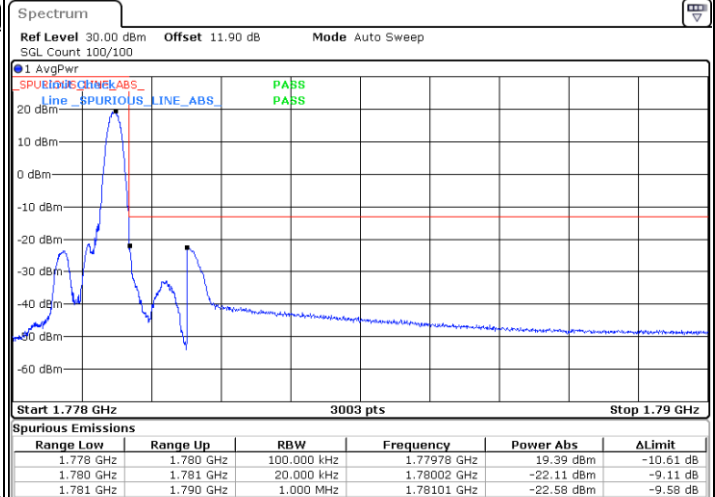
Conducted Band Edge

LTE Band 66 / 1.4MHz / QPSK

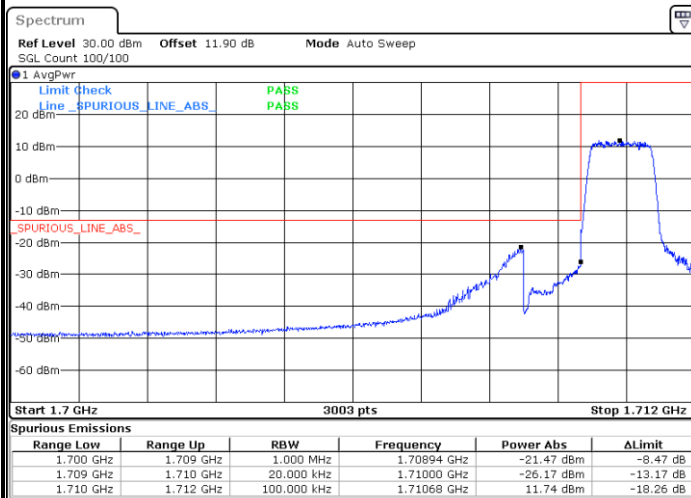
Lowest Band Edge / 1RB0



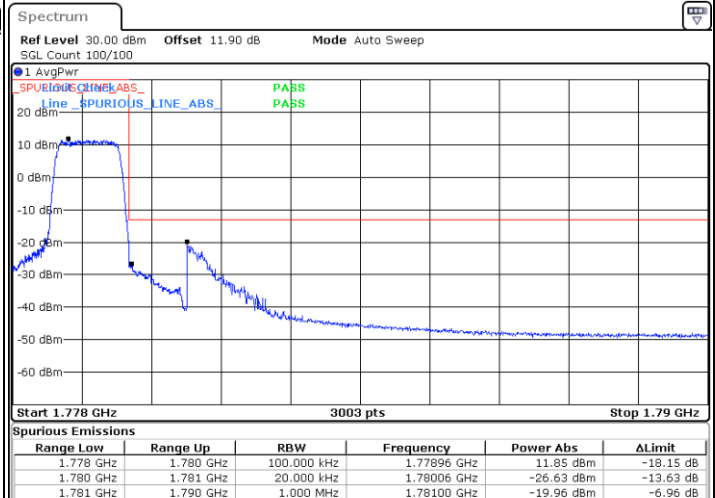
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

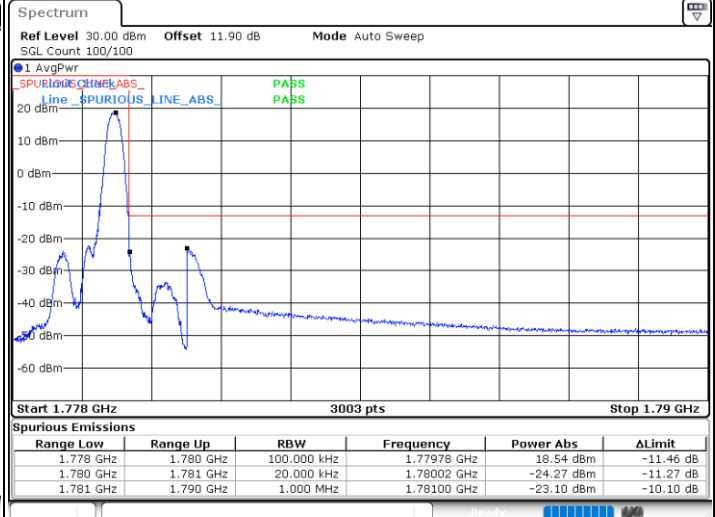
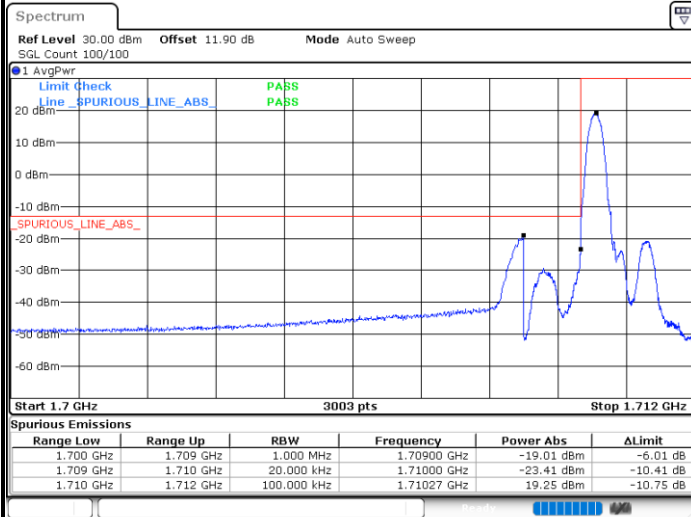




LTE Band 66 / 1.4MHz / 16QAM

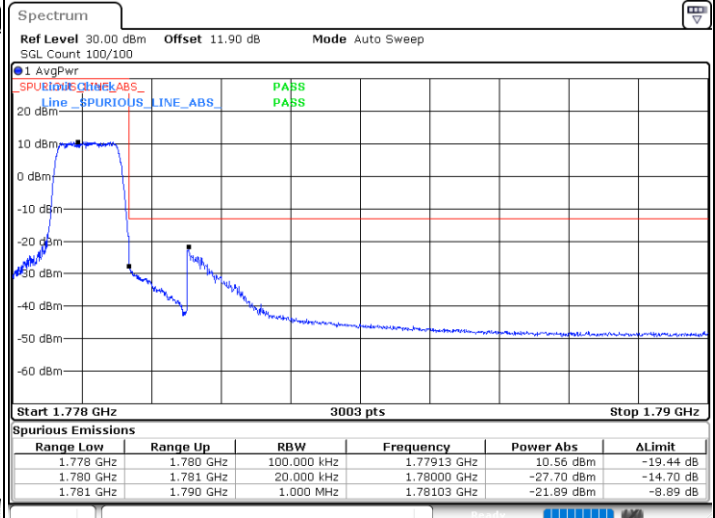
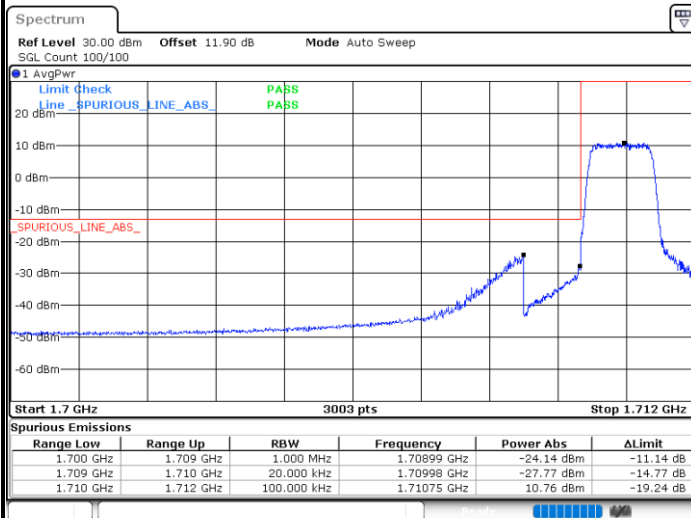
Lowest Band Edge / 1 RB0

Highest Band Edge / 1 RBmax



Lowest Band Edge / Full RB

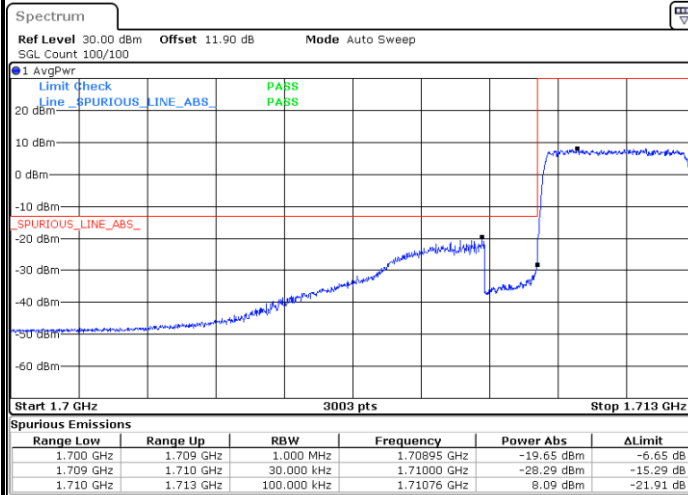
Highest Band Edge / Full RB



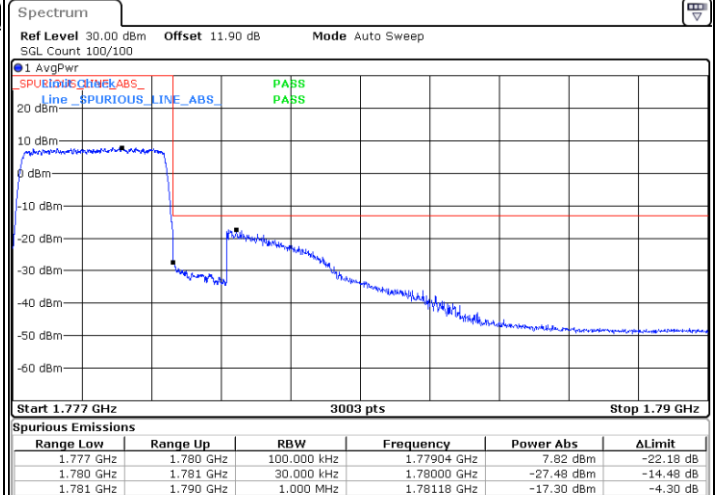


LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / Full RB

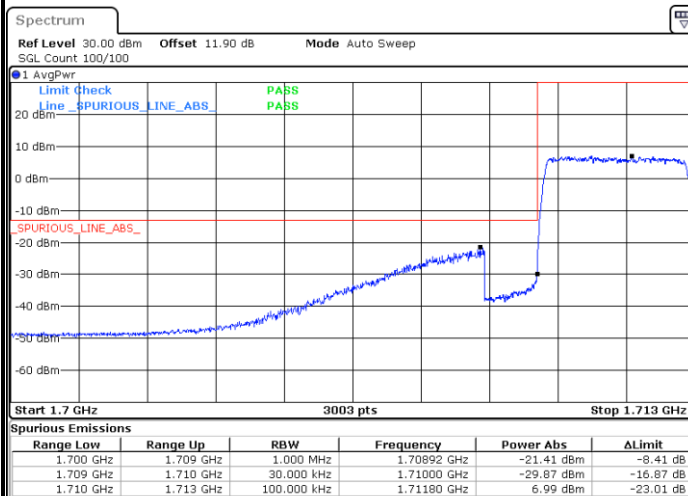


Highest Band Edge / Full RB

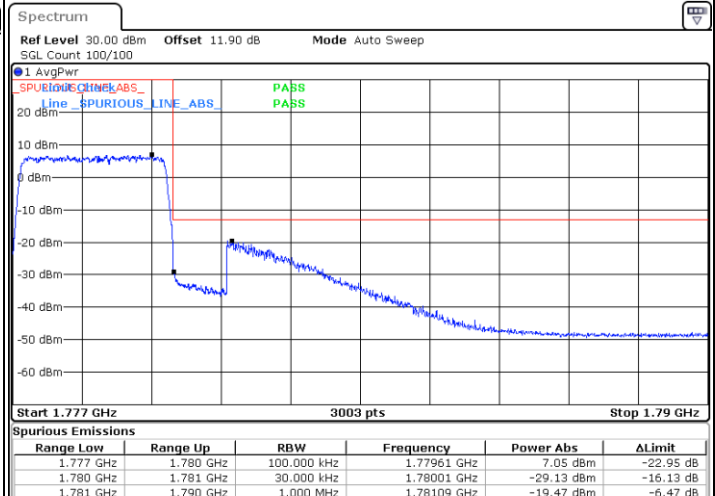


LTE Band 66 / 3MHz / 16QAM

Lowest Band Edge / Full RB



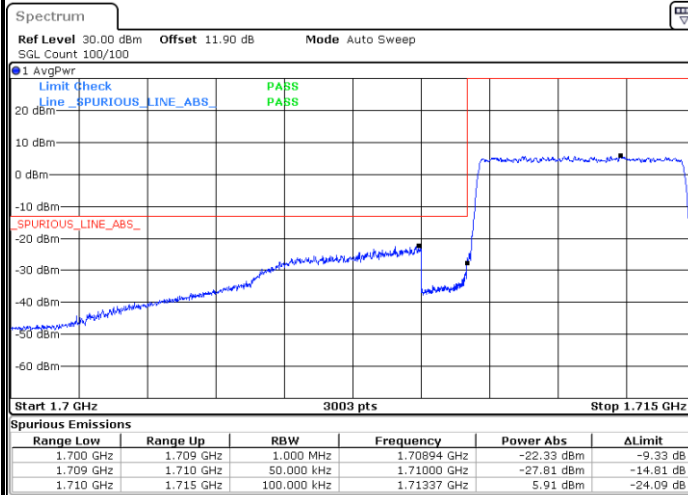
Highest Band Edge / Full RB



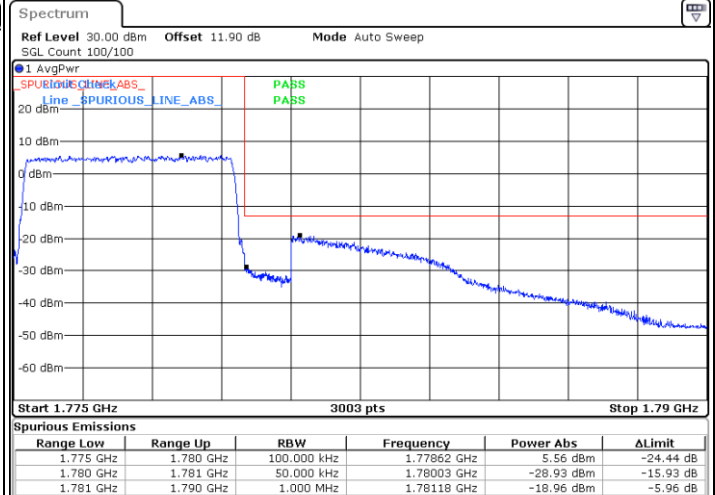


LTE Band 66 / 5MHz / QPSK

Lowest Band Edge / Full RB

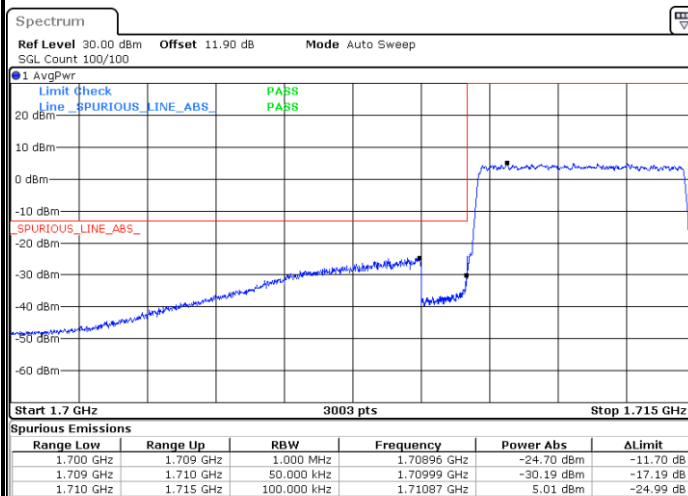


Highest Band Edge / Full RB

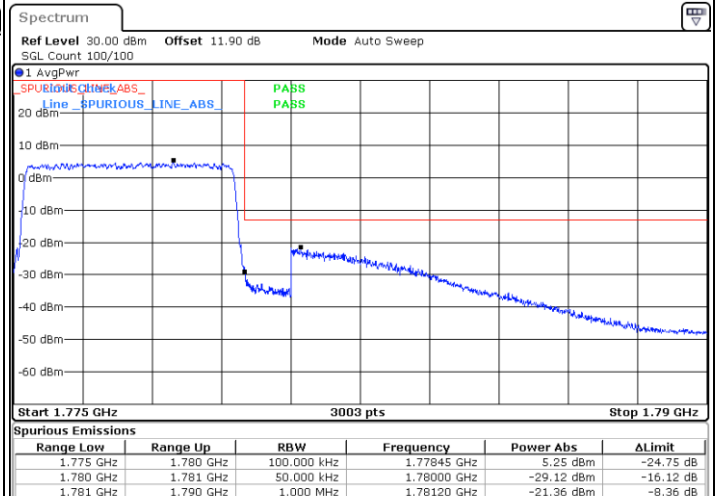


LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / Full RB



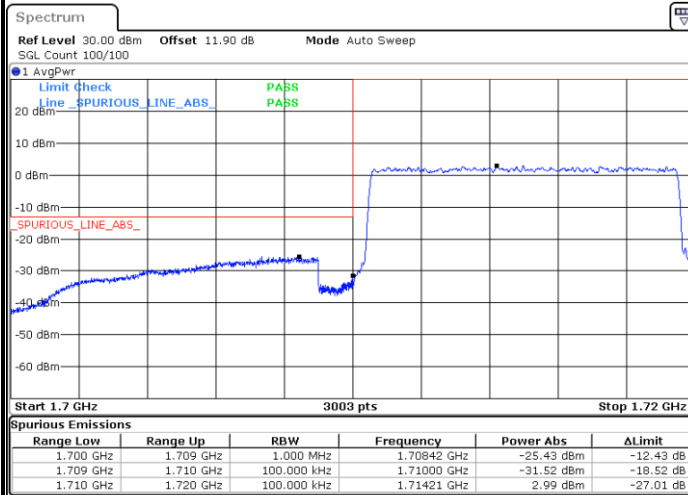
Highest Band Edge / Full RB



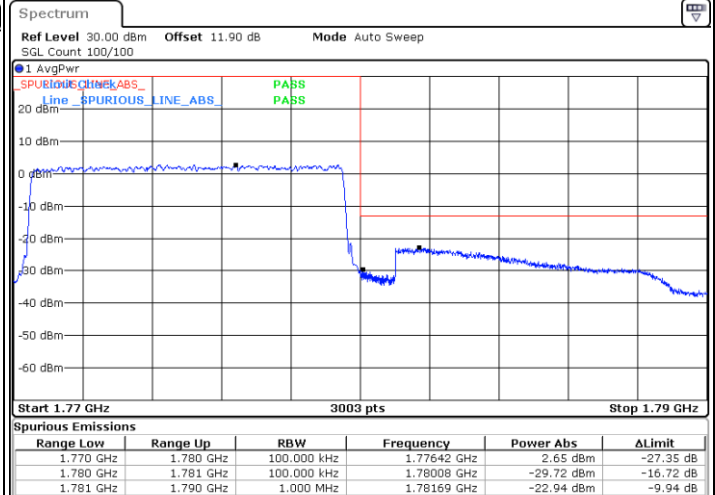


LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / Full RB

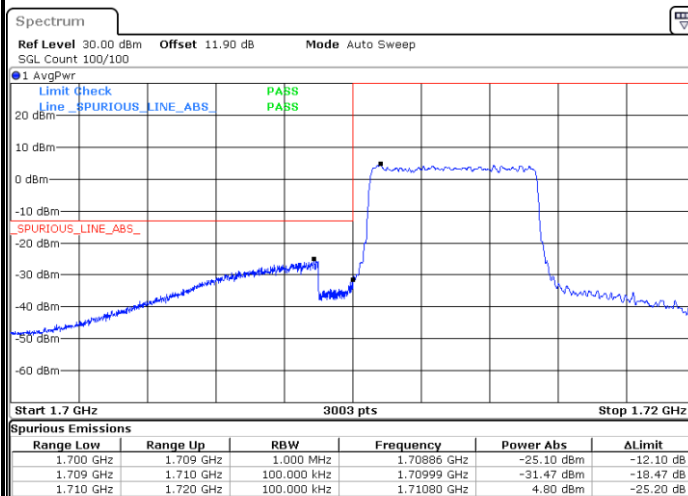


Highest Band Edge / Full RB

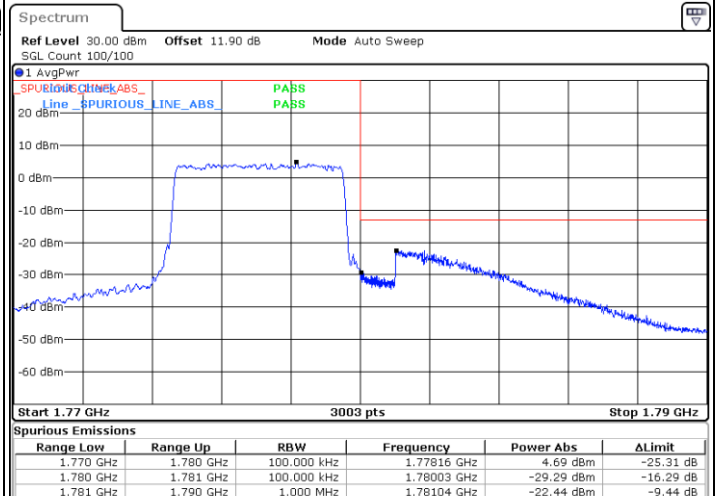


LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / 27 RB0



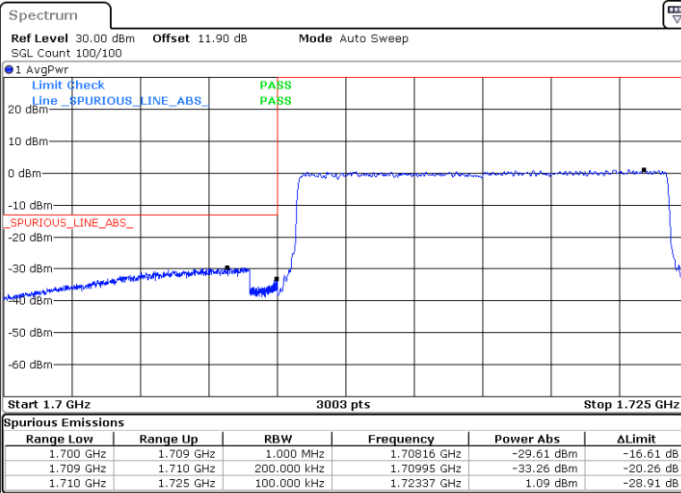
Highest Band Edge / 27 RBmax



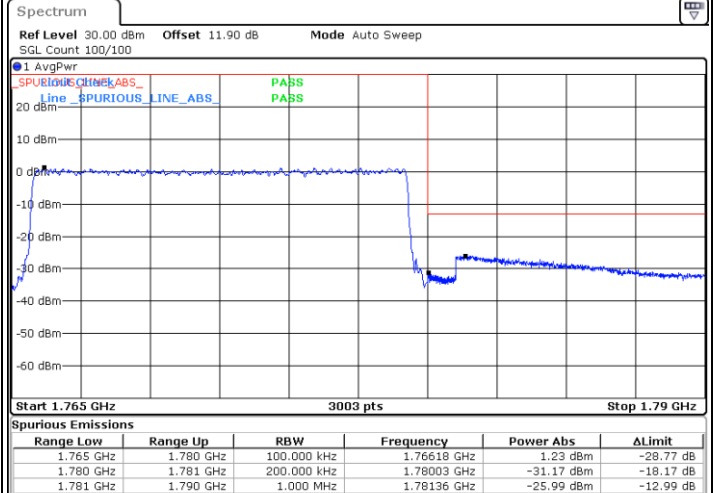


LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / Full RB

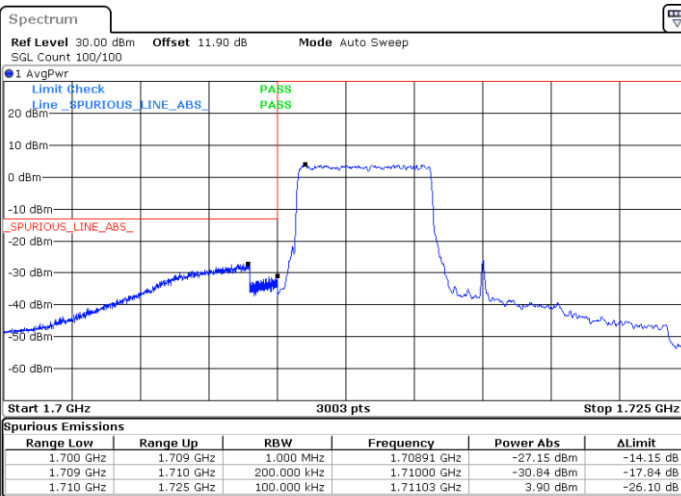


Highest Band Edge / Full RB

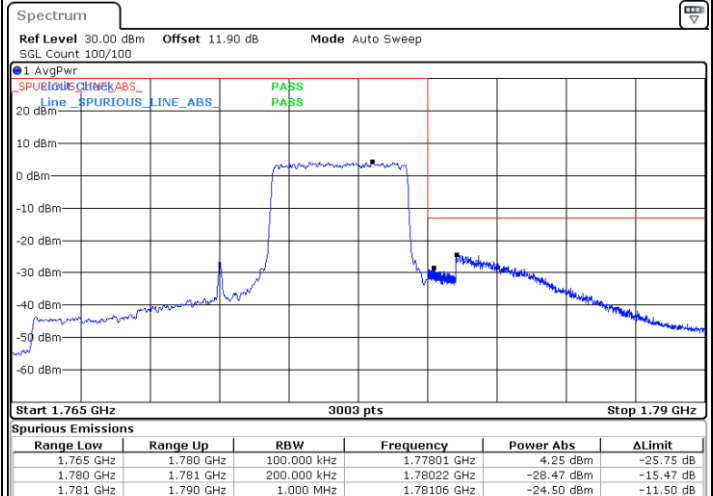


LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 27 RB0



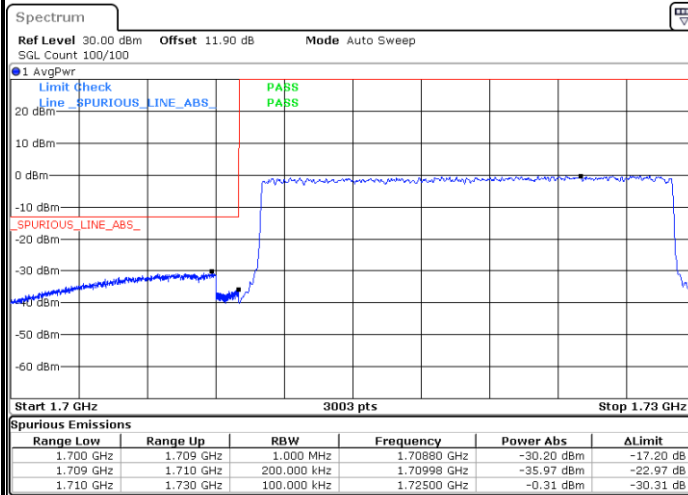
Highest Band Edge / 27 RBmax



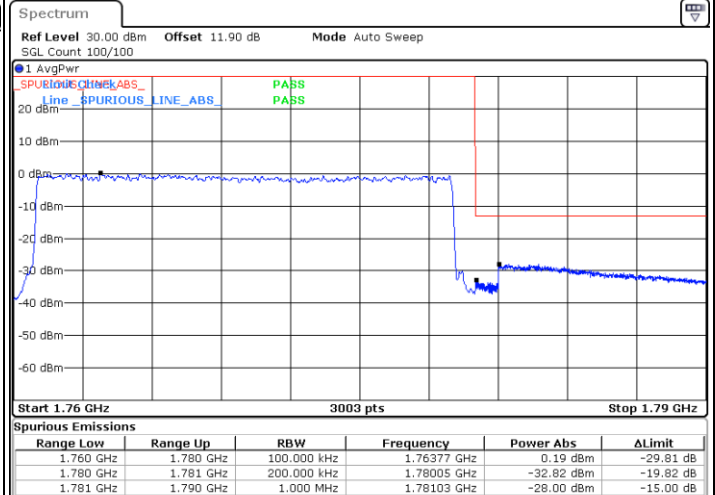


LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / Full RB

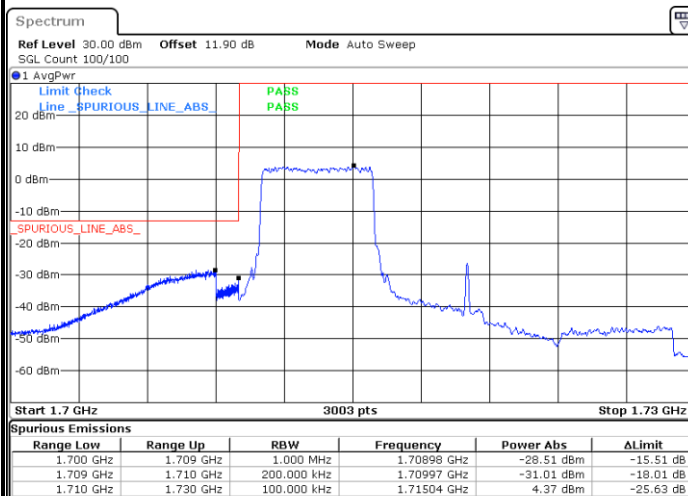


Highest Band Edge / Full RB



LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 27 RB0



Highest Band Edge / 27 RBmax

