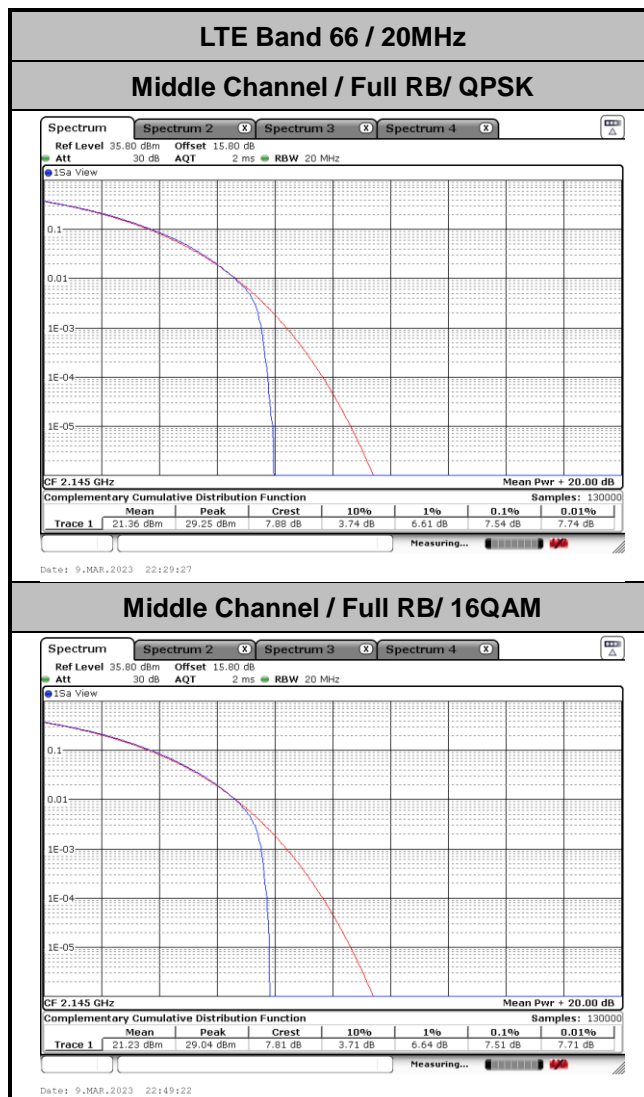


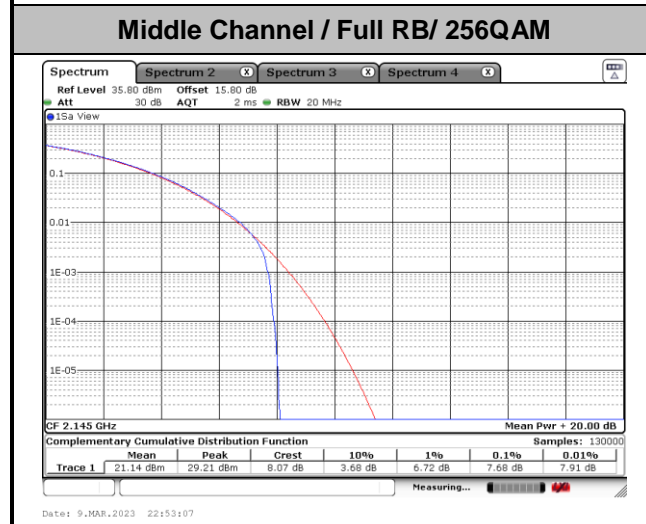
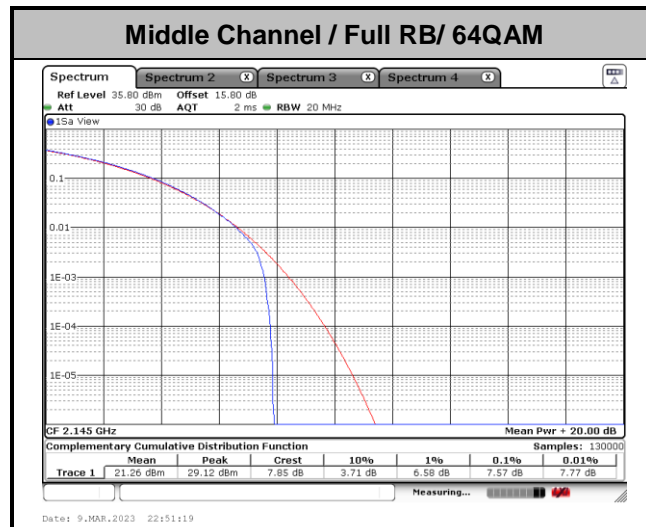


LTE Band 66_MIMO Ant2

Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	6.61	6.64	6.58	6.72	PASS

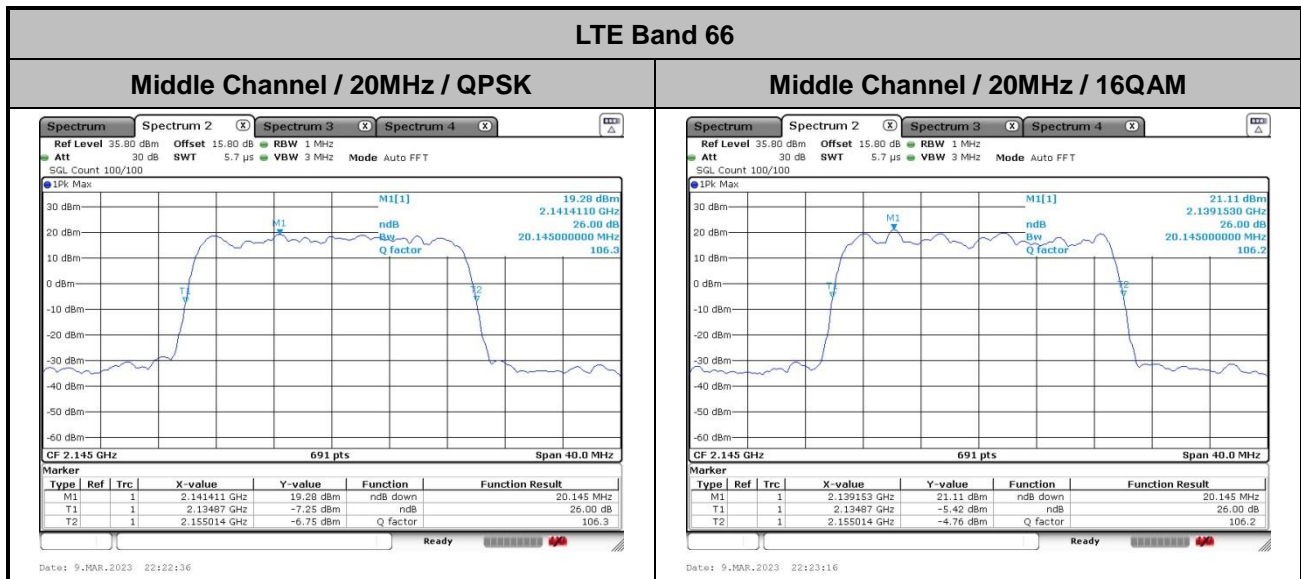






26dB Bandwidth

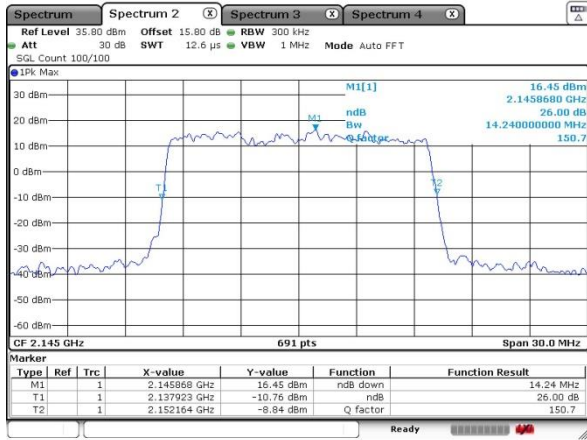
Mode	LTE Band 66 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.15	20.15
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.24	14.15
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.73	9.61
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.69	4.72





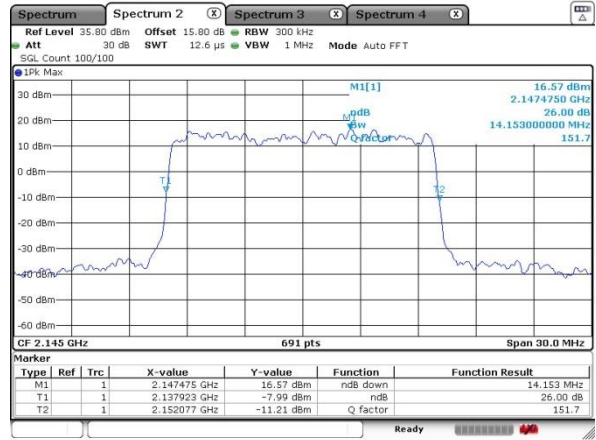
LTE Band 66

Middle Channel / 15MHz / QPSK



Date: 9.MAR.2023 21:37:35

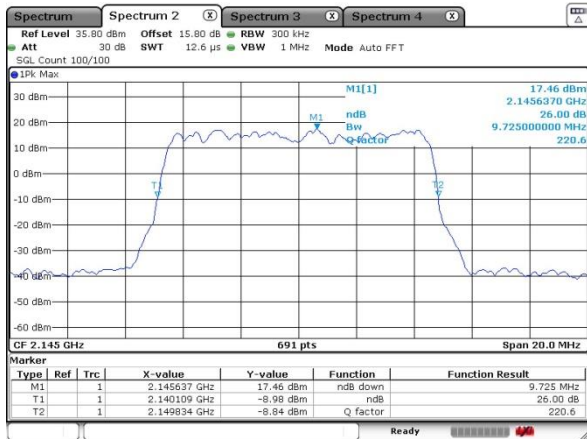
Middle Channel / 15MHz / 16QAM



Date: 9.MAR.2023 21:38:09

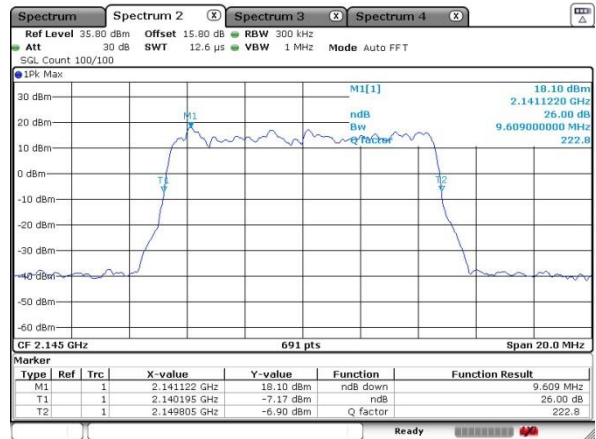
LTE Band 66

Middle Channel / 10MHz / QPSK



Date: 9.MAR.2023 21:12:41

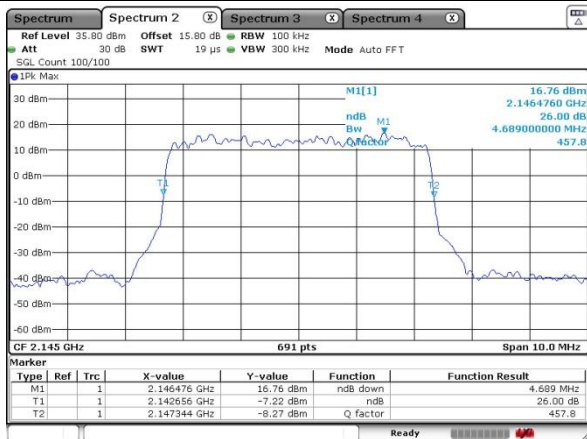
Middle Channel / 10MHz / 16QAM



Date: 9.MAR.2023 21:12:54

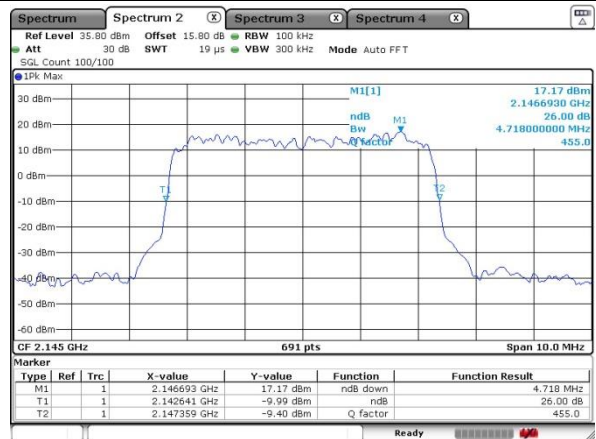
LTE Band 66

Middle Channel / 5MHz / QPSK



Date: 9.MAR.2023 20:03:58

Middle Channel / 5MHz / 16QAM

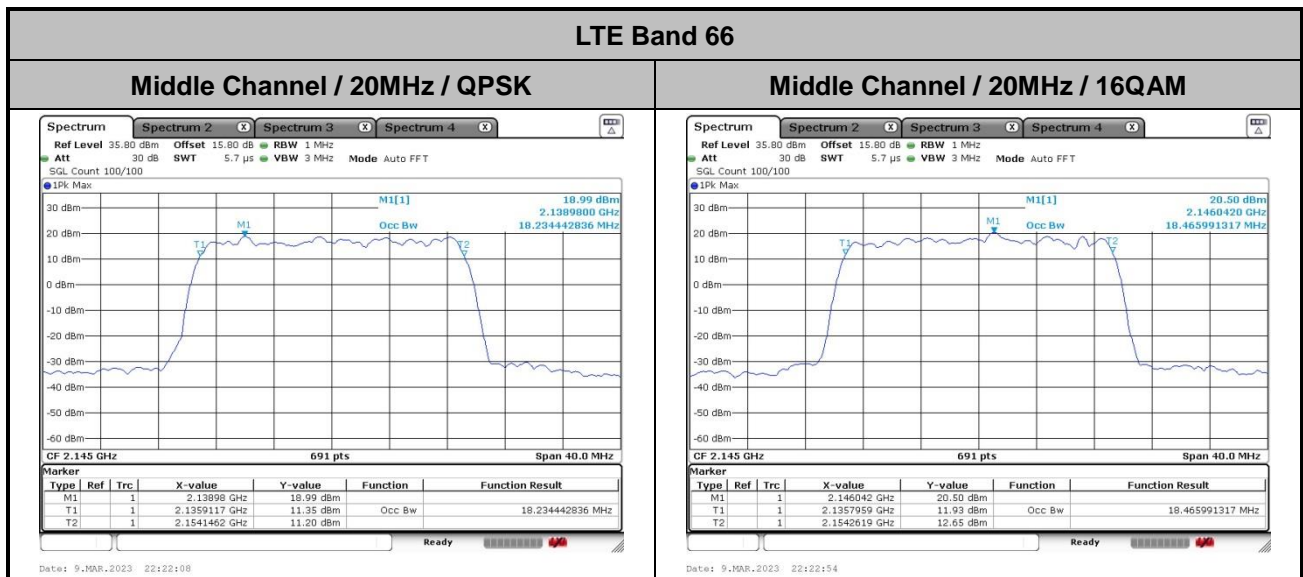


Date: 9.MAR.2023 20:04:27



Occupied Bandwidth

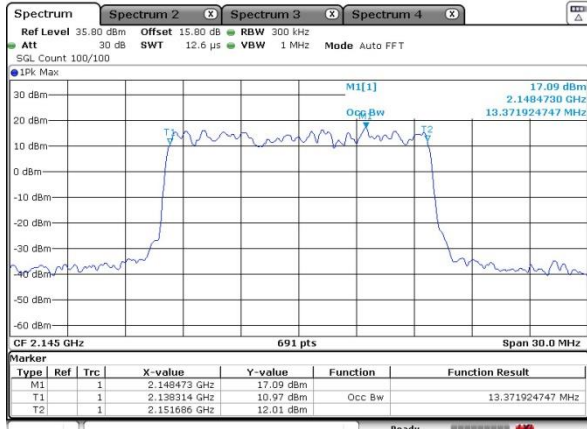
Mode	LTE Band 66 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.23	18.47
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.37	13.37
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	9.00
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.43	4.43





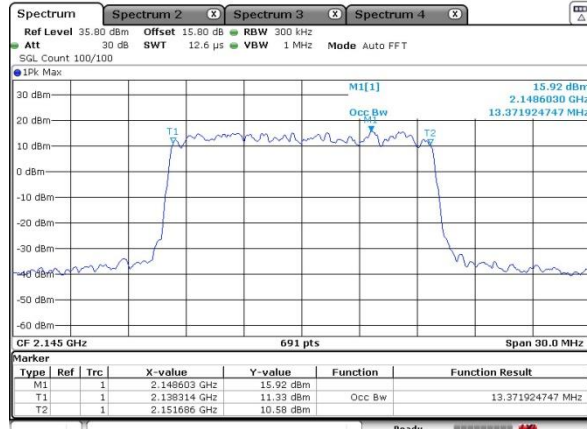
LTE Band 66

Middle Channel / 15MHz / QPSK



Date: 9.MAR.2023 21:13:54

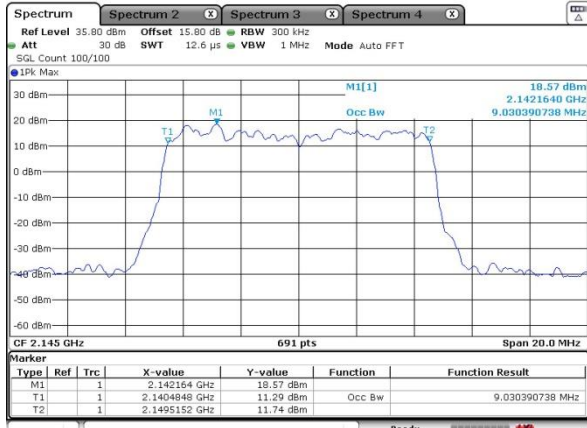
Middle Channel / 15MHz / 16QAM



Date: 9.MAR.2023 21:13:54

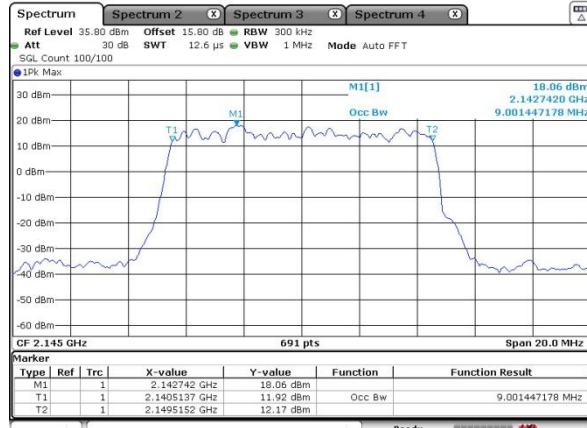
LTE Band 66

Middle Channel / 10MHz / QPSK



Date: 9.MAR.2023 21:12:25

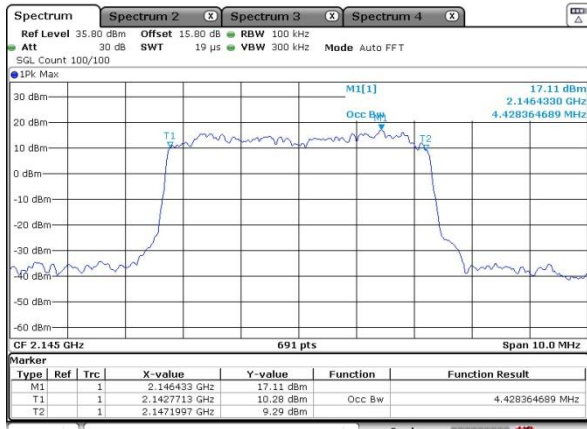
Middle Channel / 10MHz / 16QAM



Date: 9.MAR.2023 21:10:59

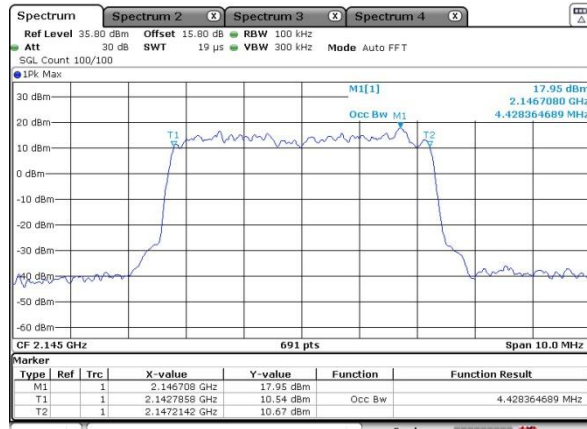
LTE Band 66

Middle Channel / 5MHz / QPSK



Date: 9.MAR.2023 20:02:35

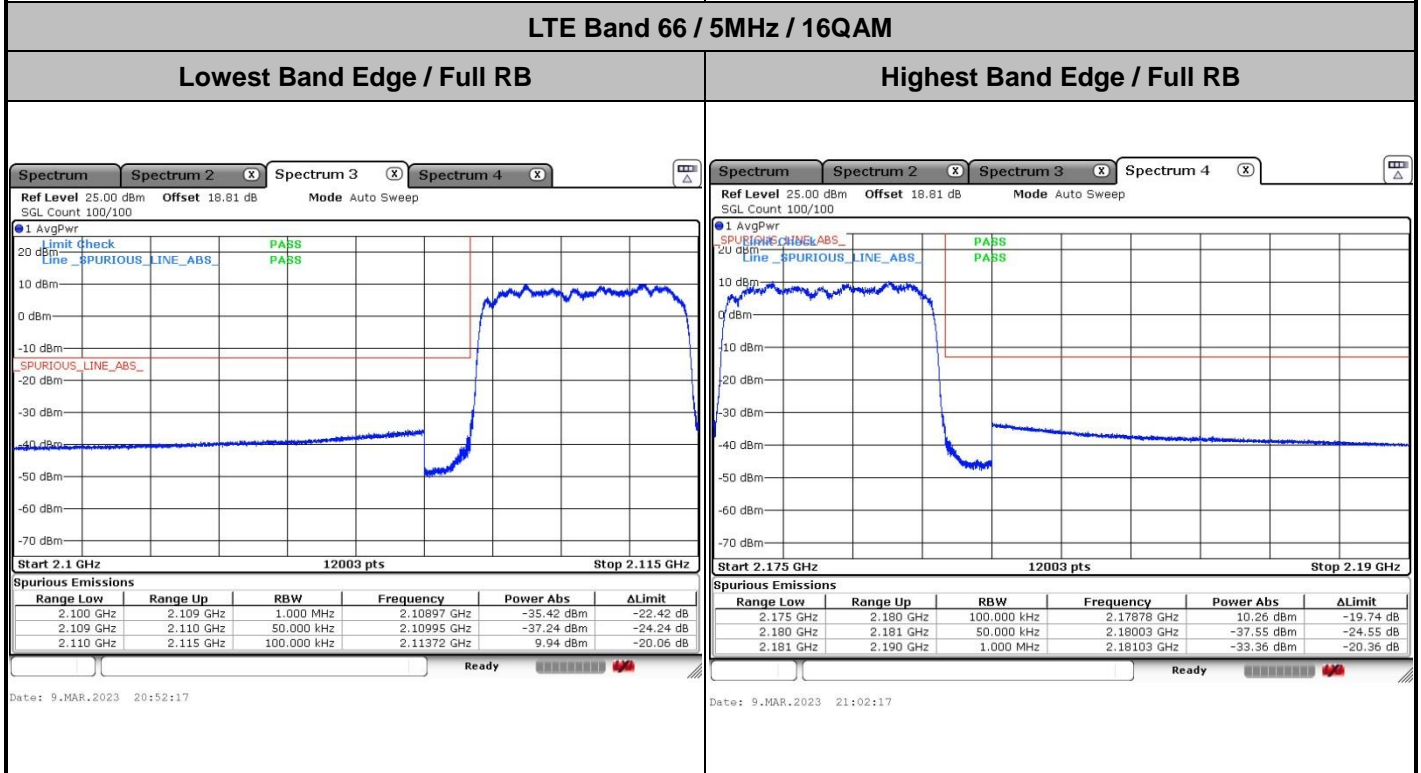
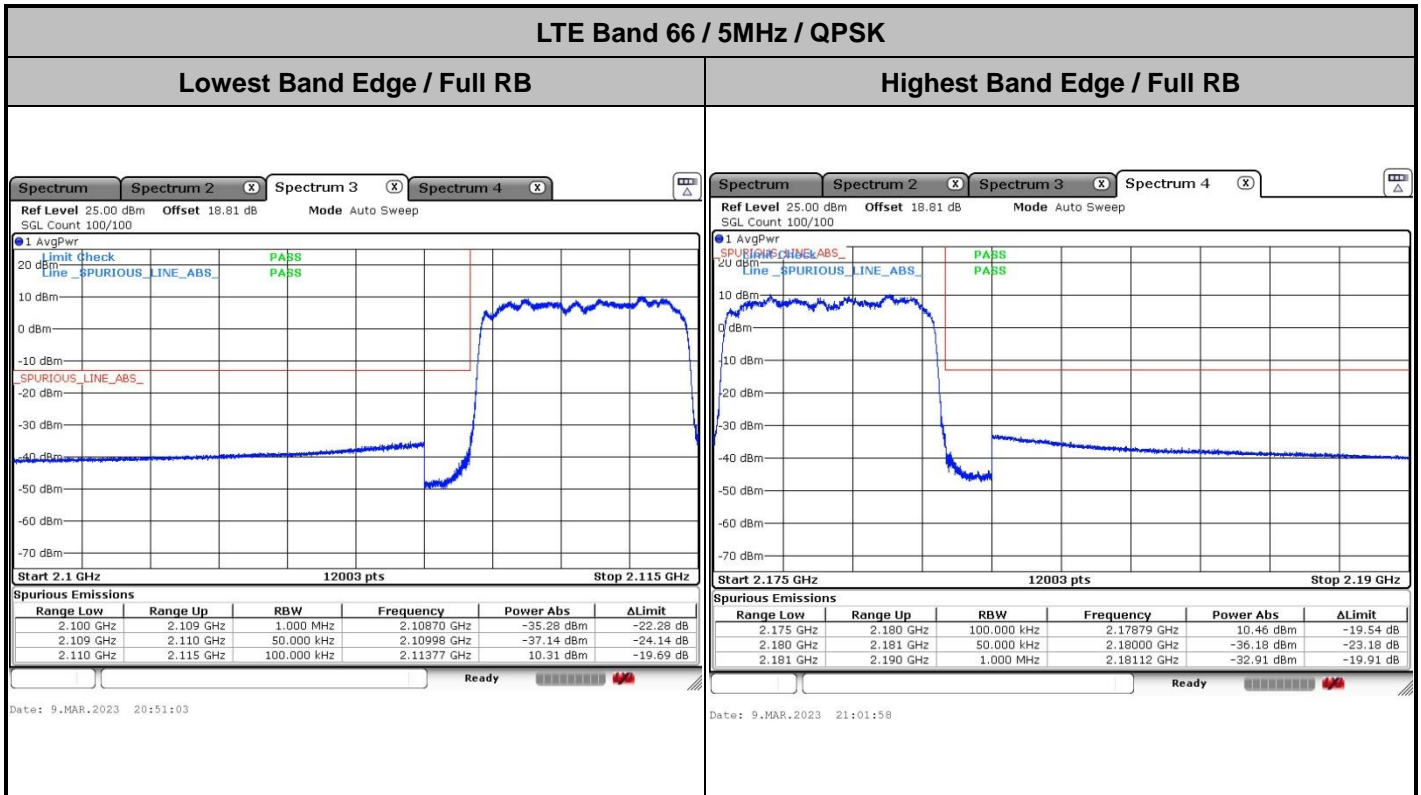
Middle Channel / 5MHz / 16QAM



Date: 9.MAR.2023 20:03:34



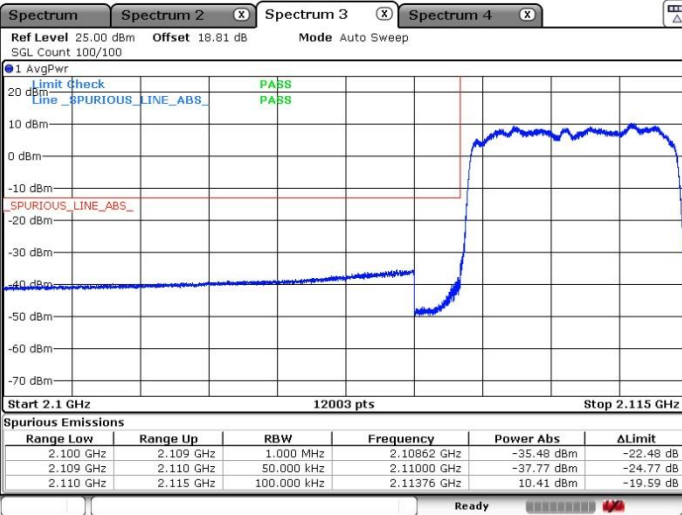
Conducted Band Edge



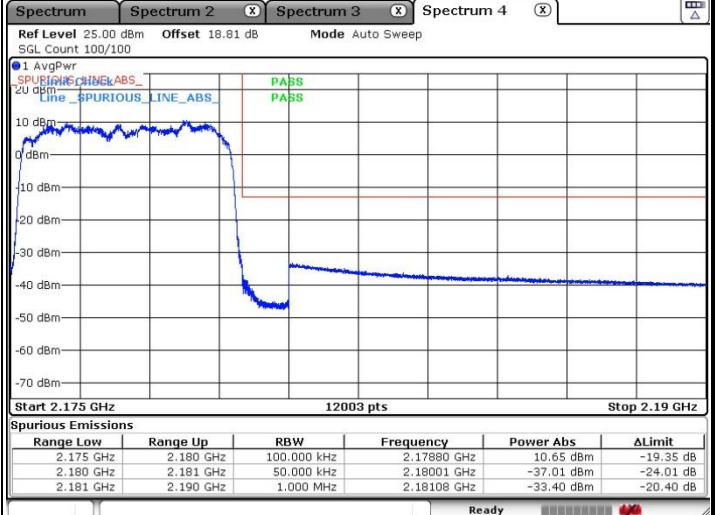


LTE Band 66 / 5MHz / 64QAM

Lowest Band Edge / Full RB

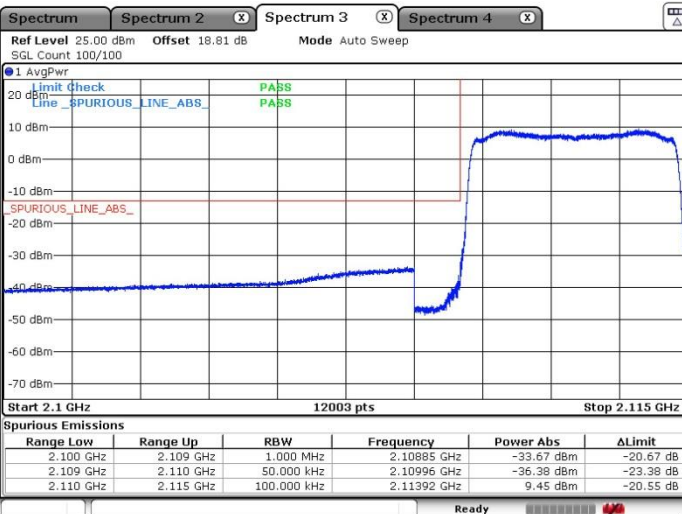


Highest Band Edge / Full RB

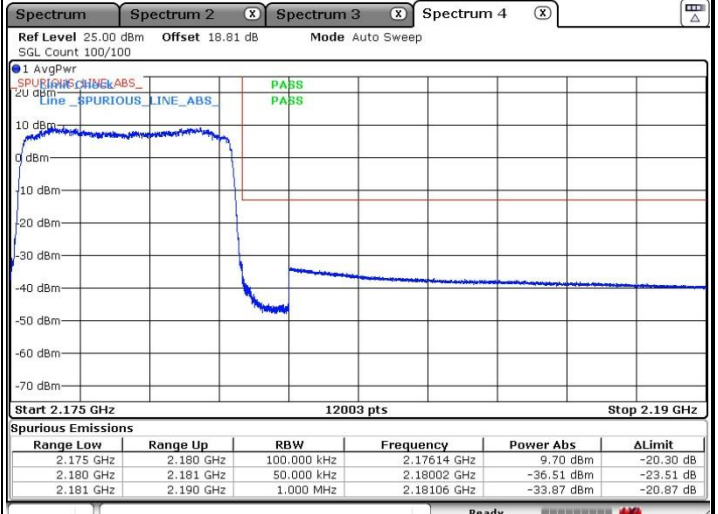


LTE Band 66 / 5MHz / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

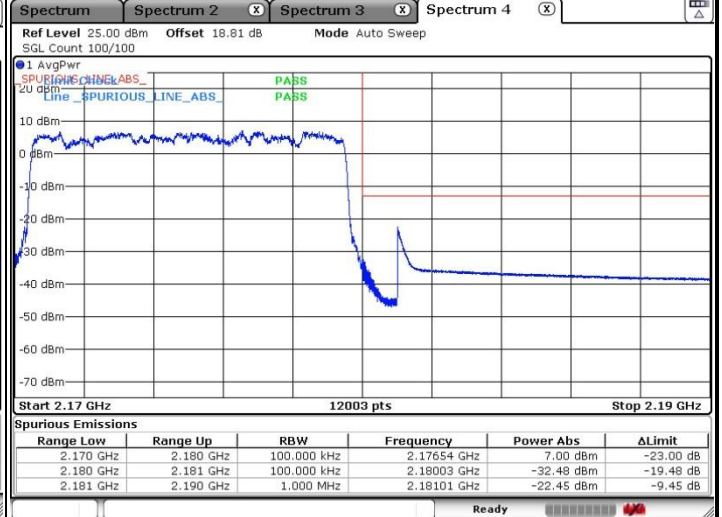
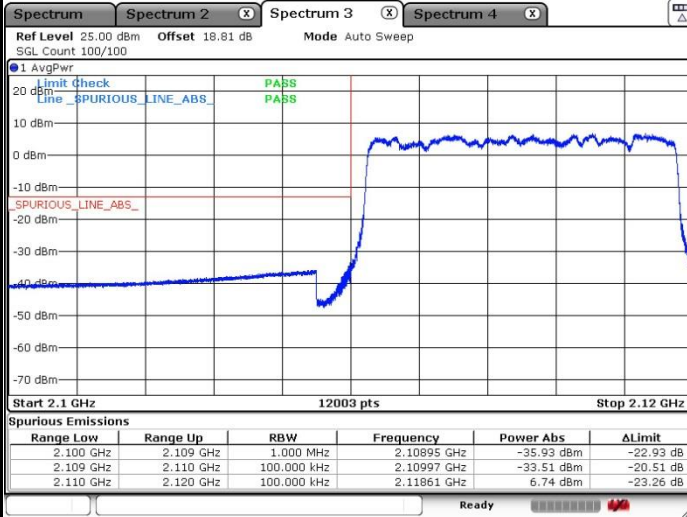




LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



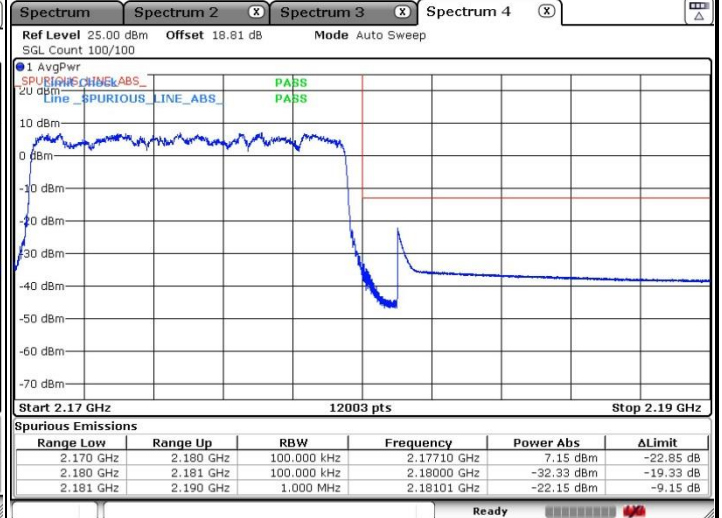
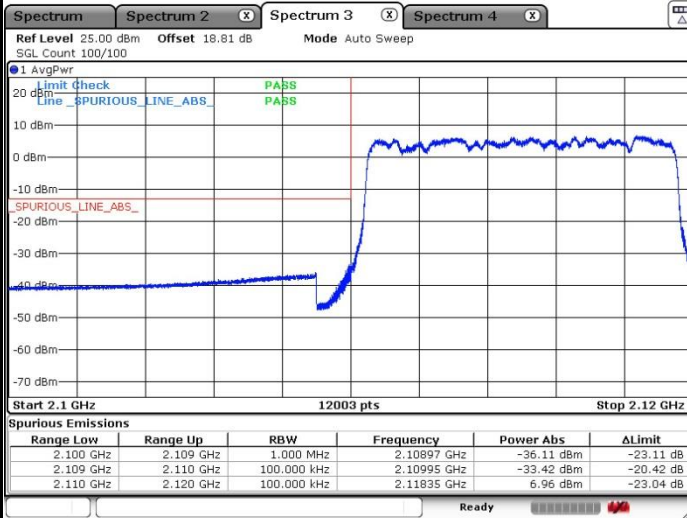
Date: 9.MAR.2023 21:17:27

Date: 9.MAR.2023 21:32:06

LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



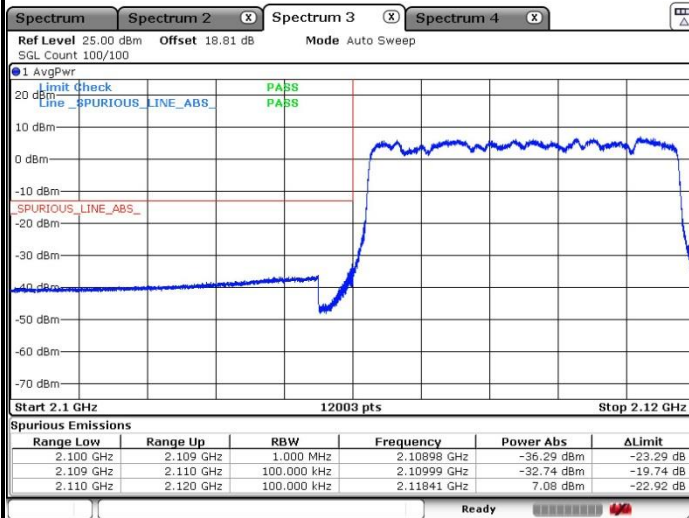
Date: 9.MAR.2023 21:19:40

Date: 9.MAR.2023 21:31:42

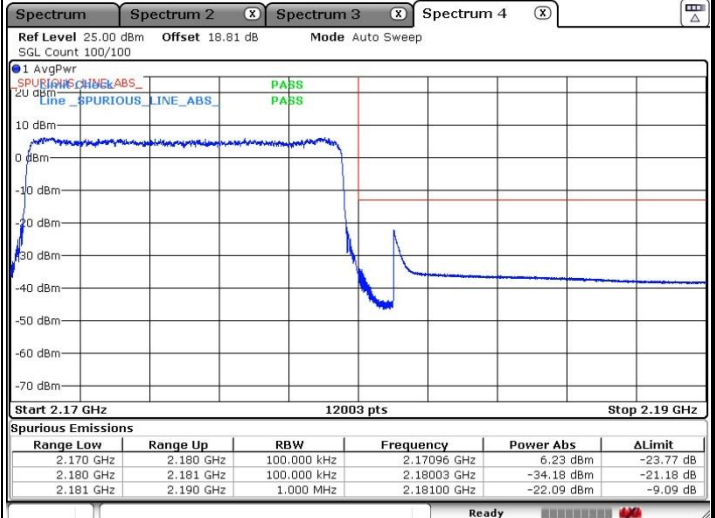


LTE Band 66 / 10MHz / 64QAM

Lowest Band Edge / Full RB

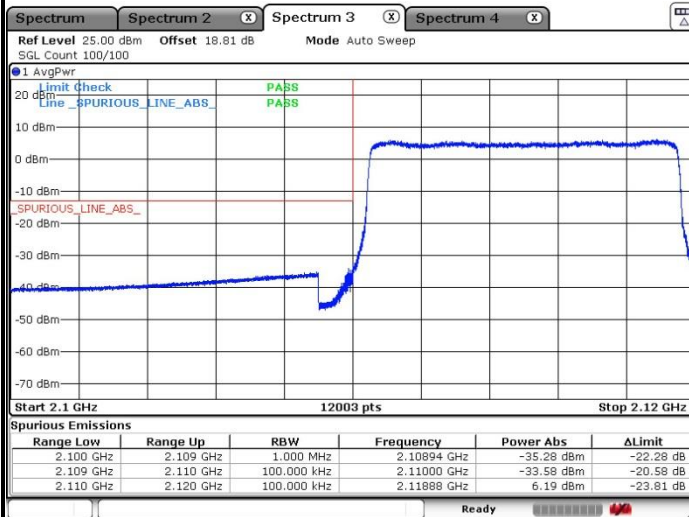


Highest Band Edge / Full RB

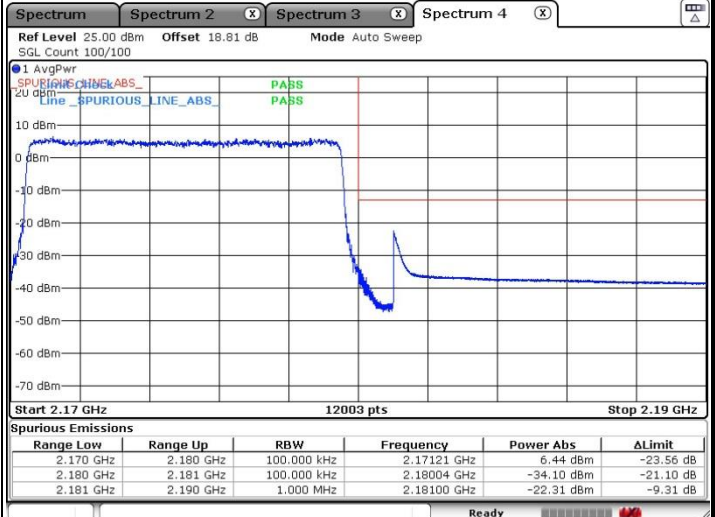


LTE Band 66 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

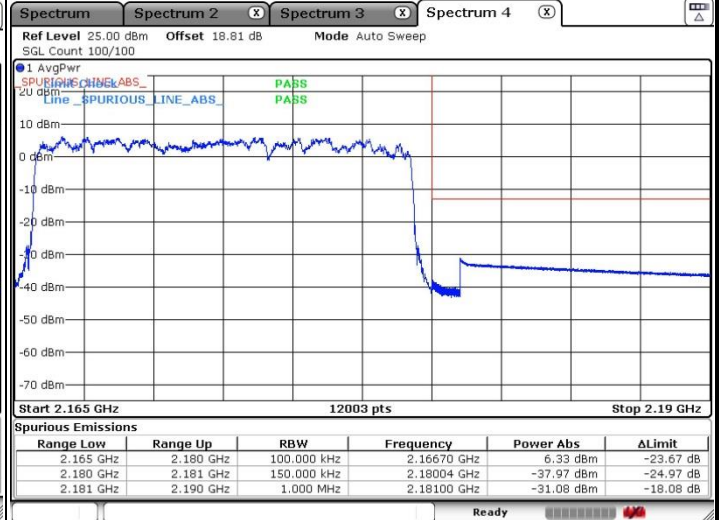
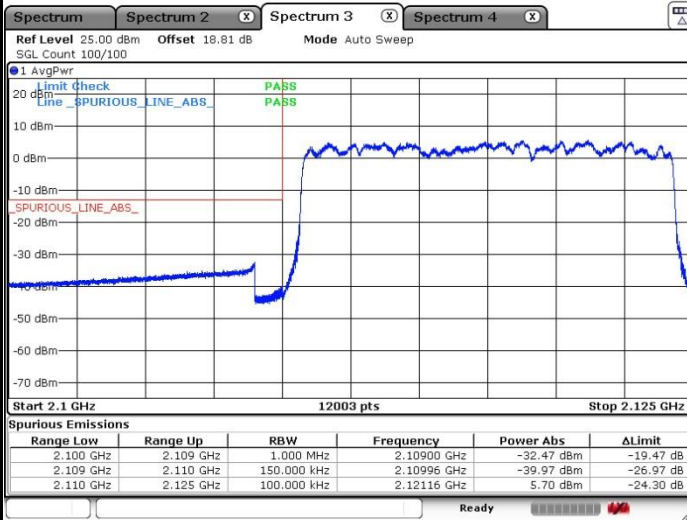




LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / Full RB

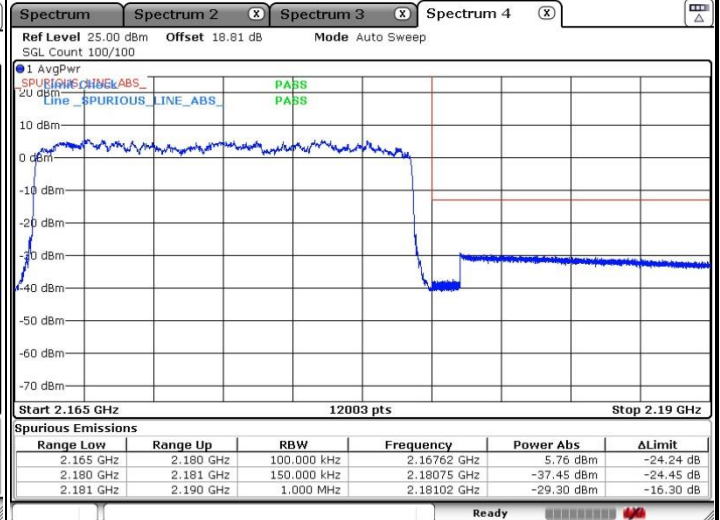
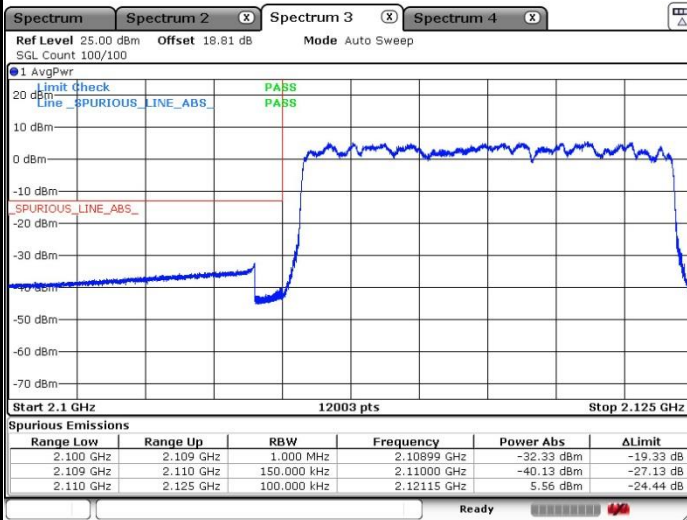
Highest Band Edge / Full RB



LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

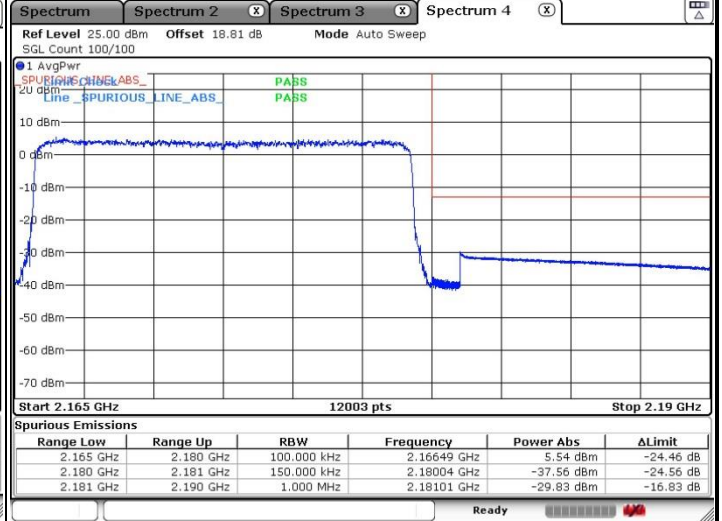
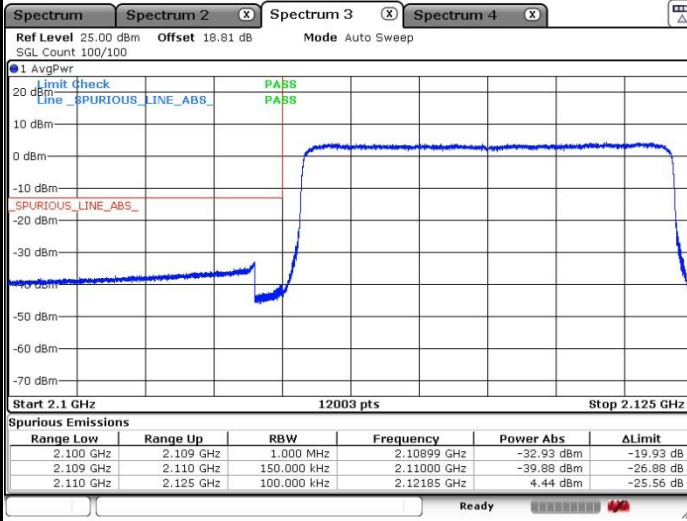




LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / Full RB

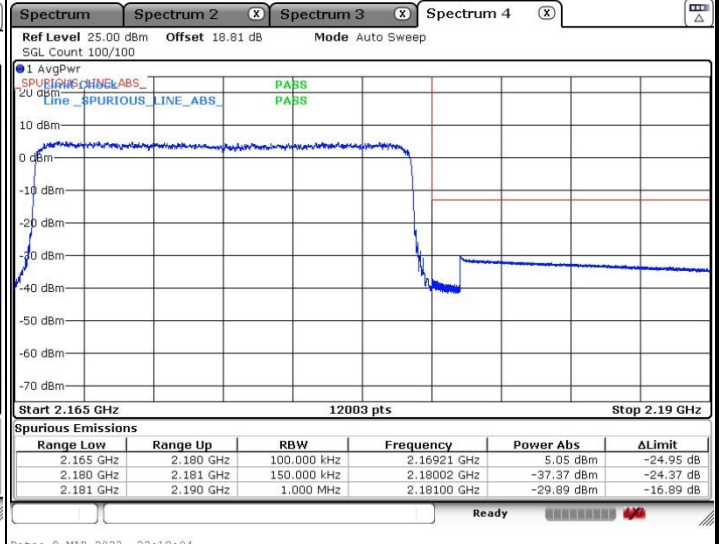
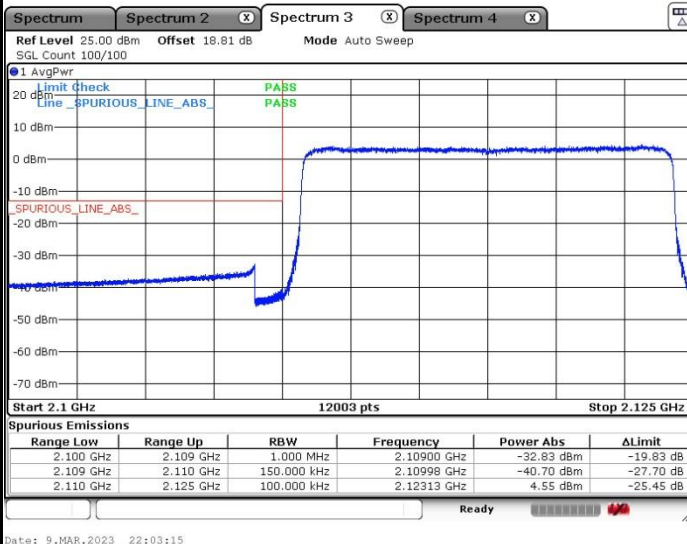
Highest Band Edge / Full RB



LTE Band 66 / 15MHz / 256QAM

Lowest Band Edge / Full RB

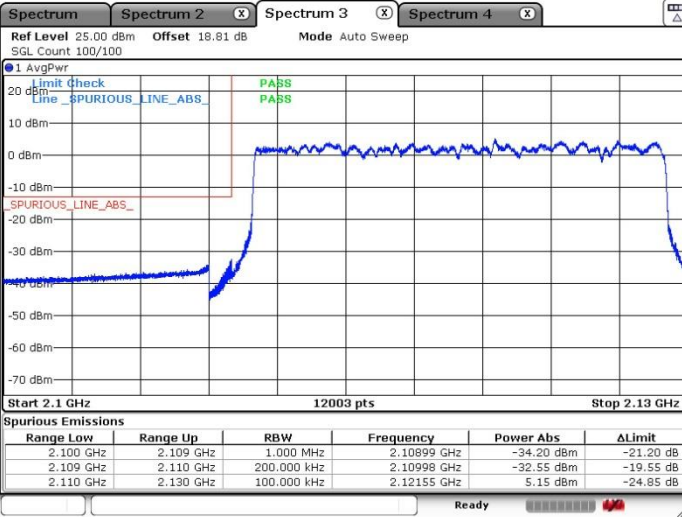
Highest Band Edge / Full RB



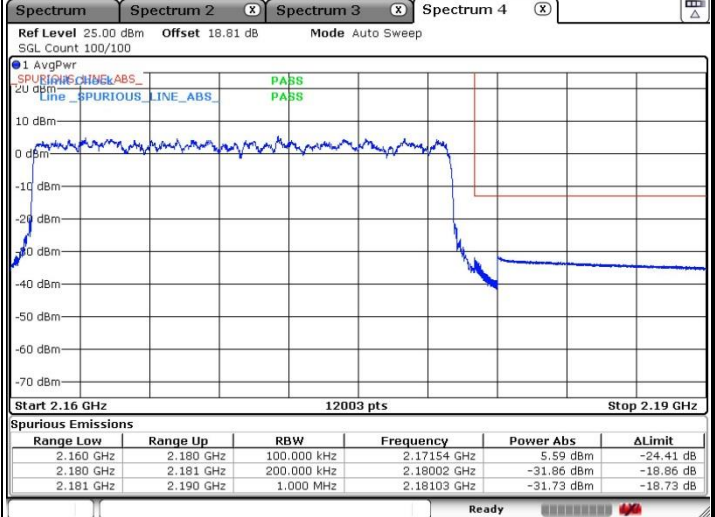


LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / Full RB

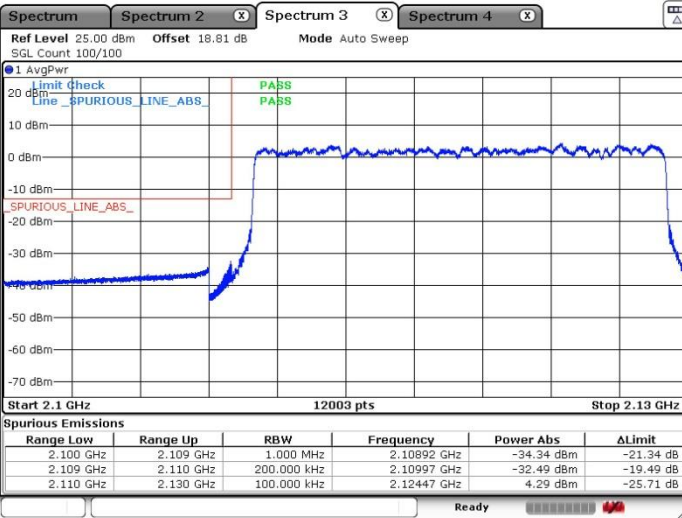


Highest Band Edge / Full RB

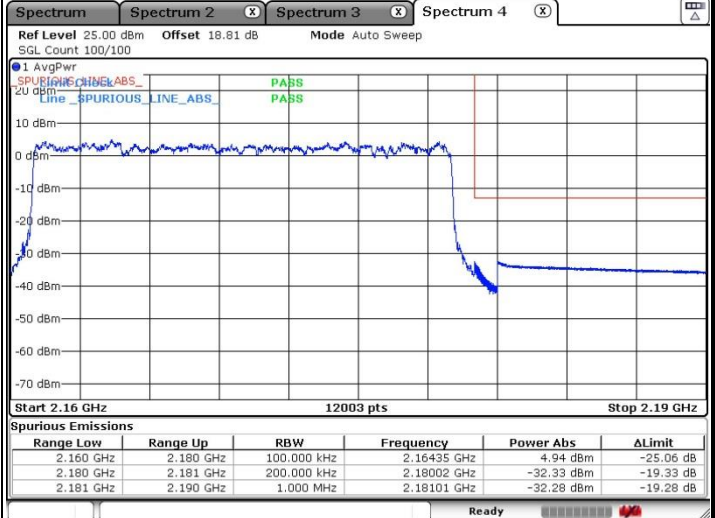


LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

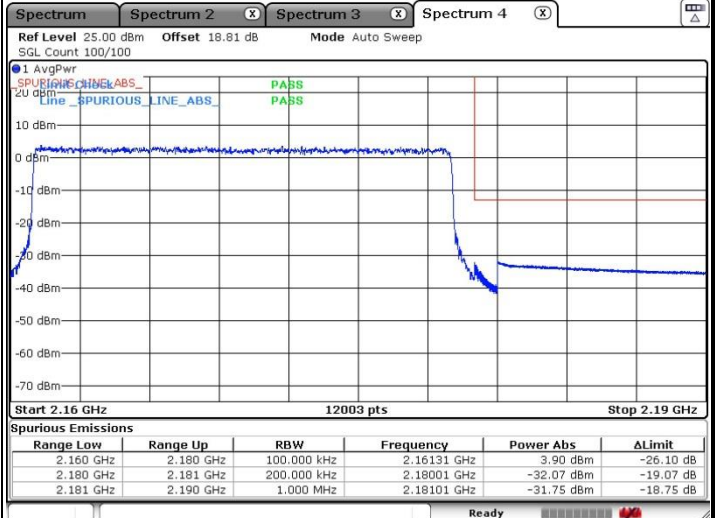
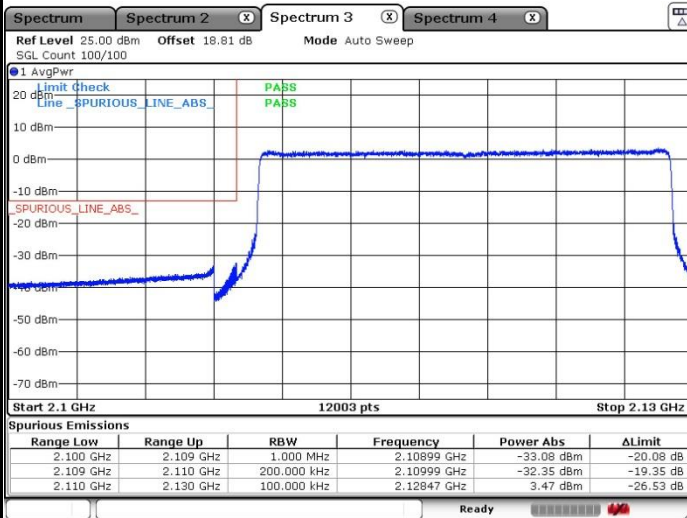




LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



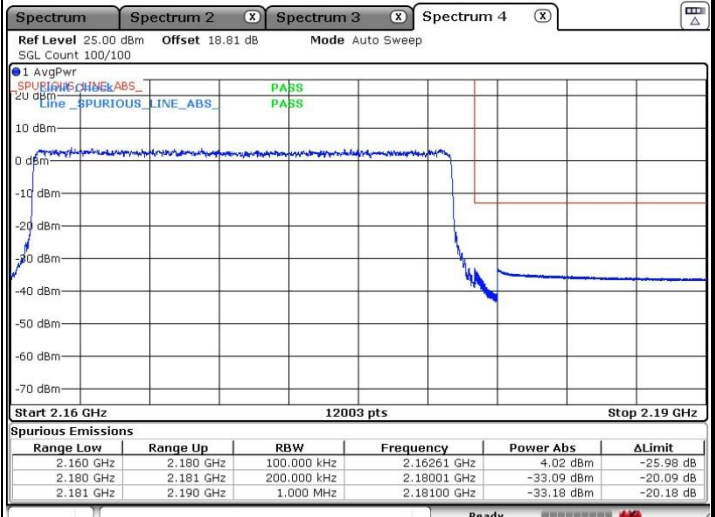
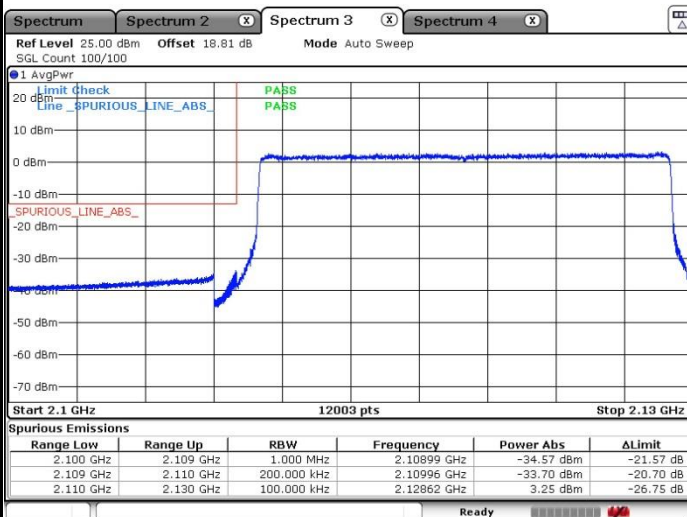
Date: 9.MAR.2023 23:05:31

Date: 9.MAR.2023 23:16:22

LTE Band 66 / 20MHz / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

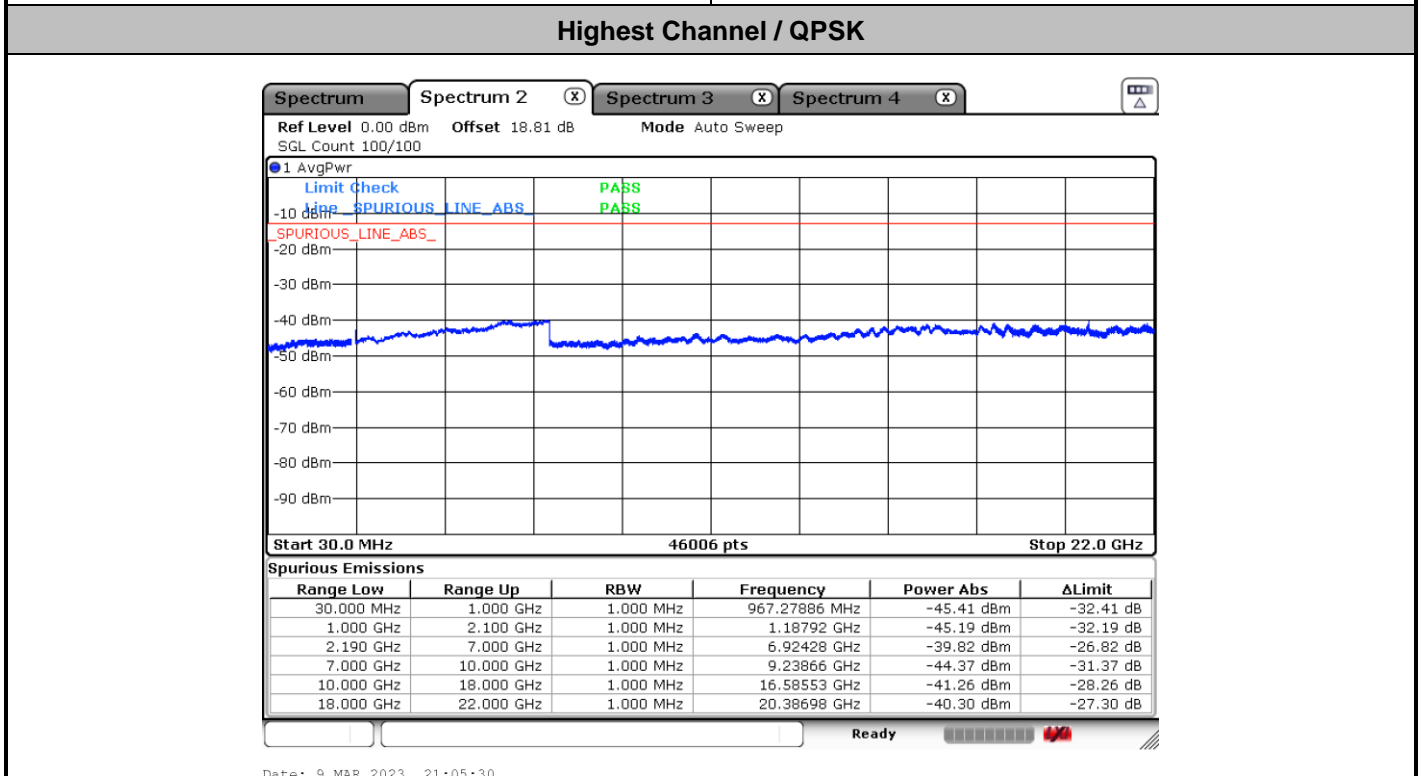
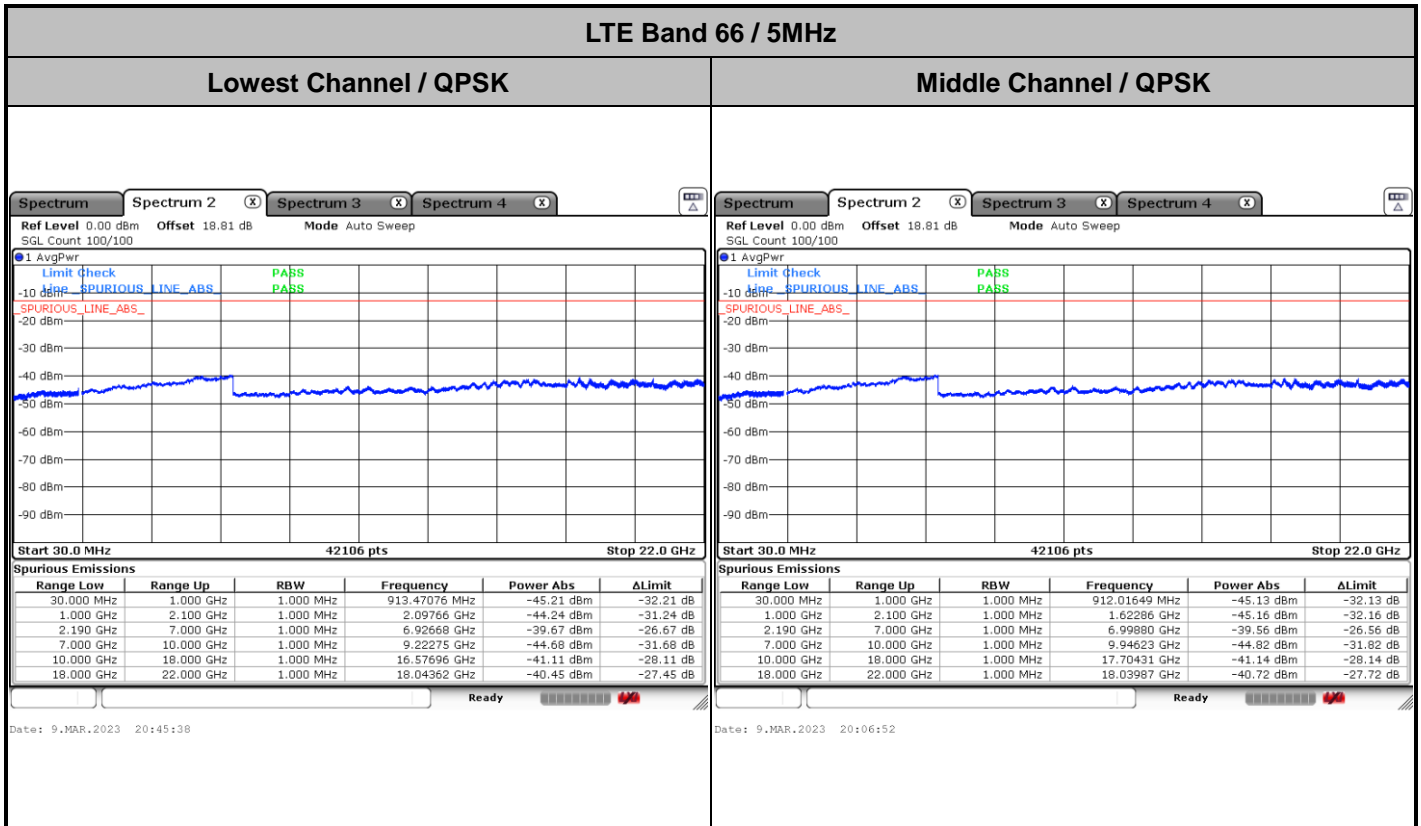


Date: 9.MAR.2023 23:07:27

Date: 9.MAR.2023 23:21:29



Conducted Spurious Emission

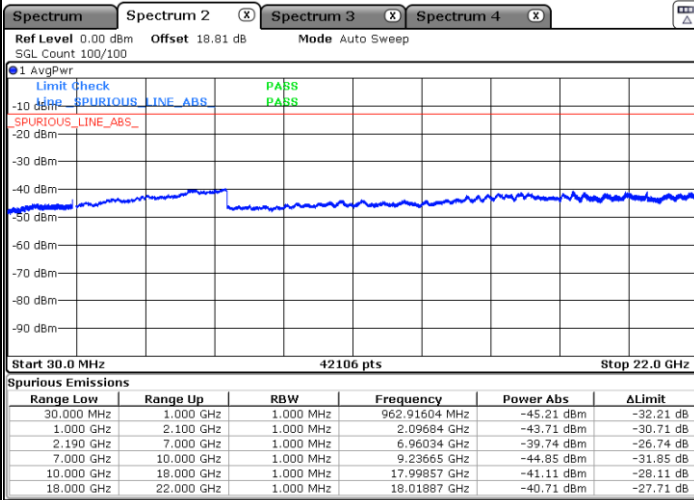




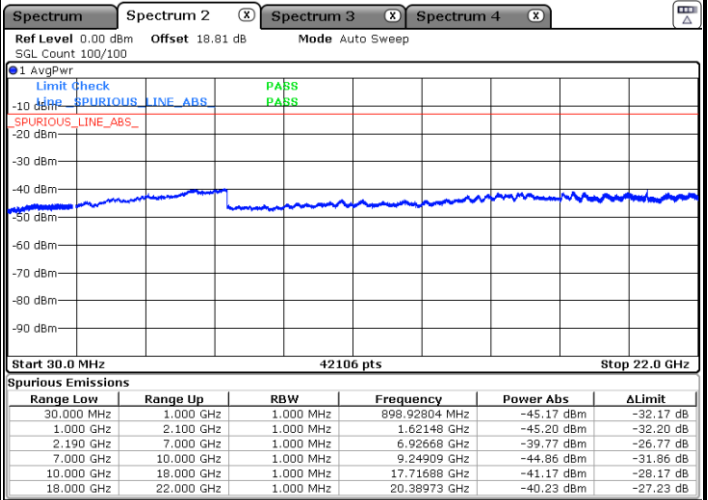
LTE Band 66 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

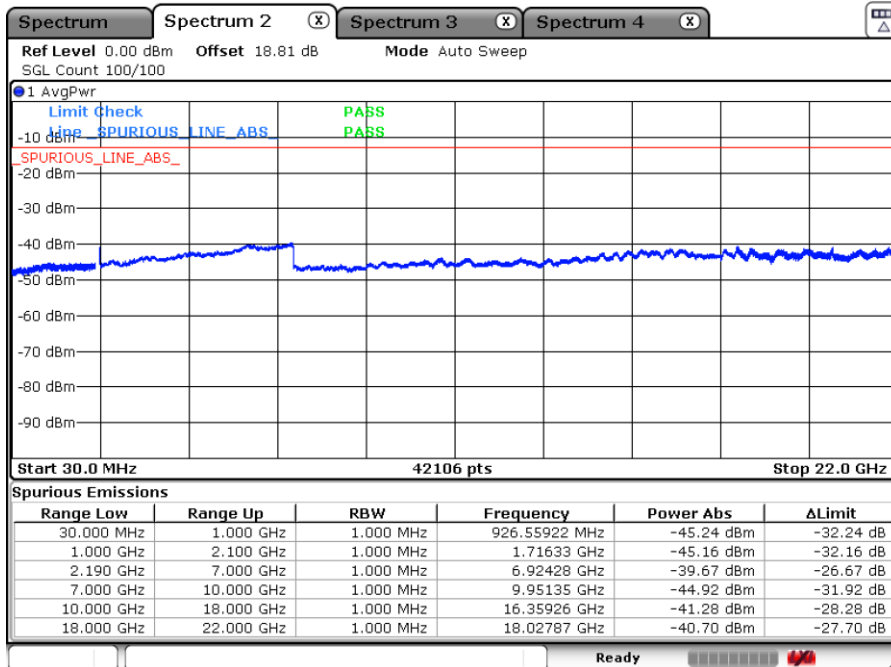


Date: 9.MAR.2023 21:19:13



Date: 9.MAR.2023 21:15:15

Highest Channel / QPSK



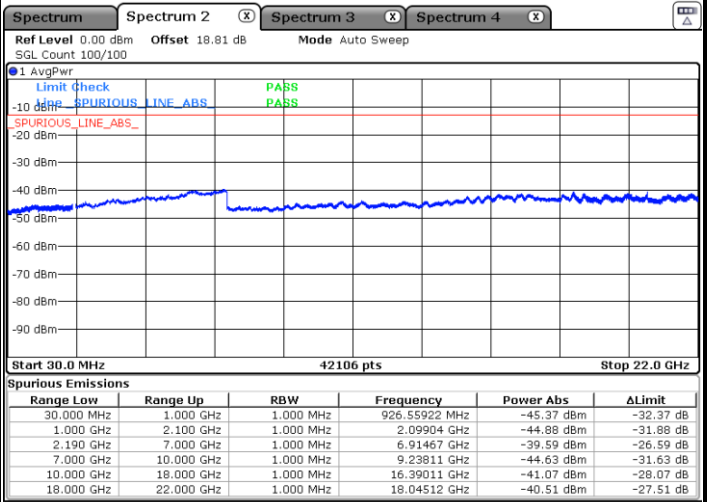
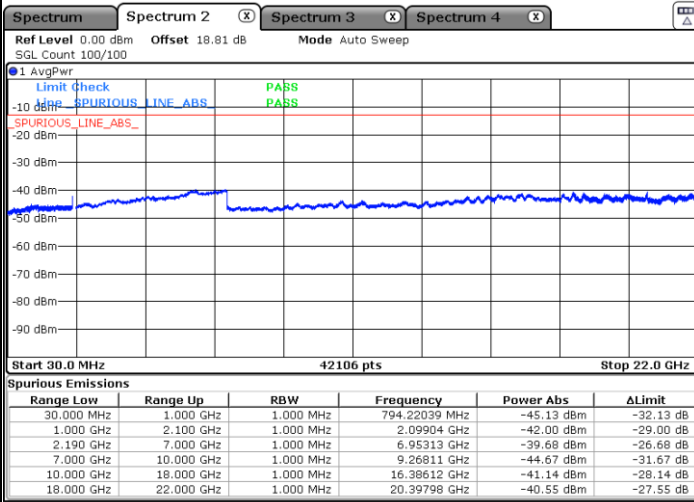
Date: 9.MAR.2023 21:33:06



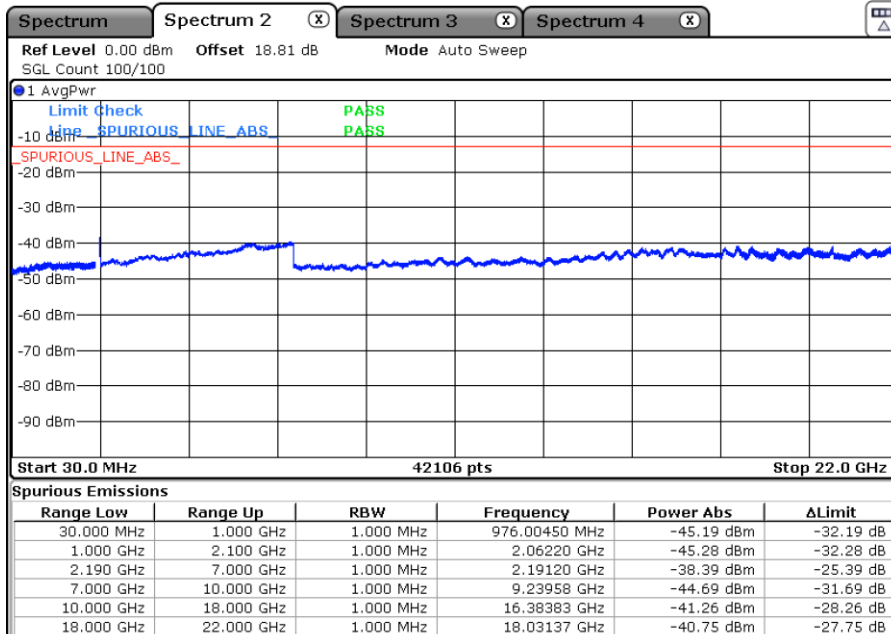
LTE Band 66 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

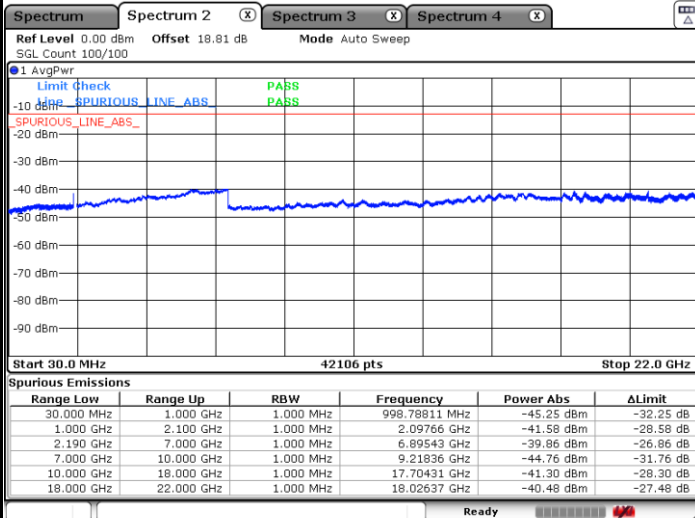




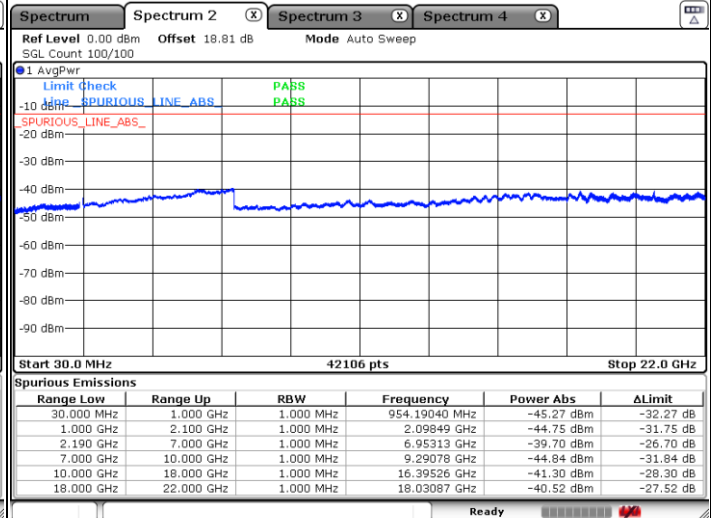
LTE Band 66 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

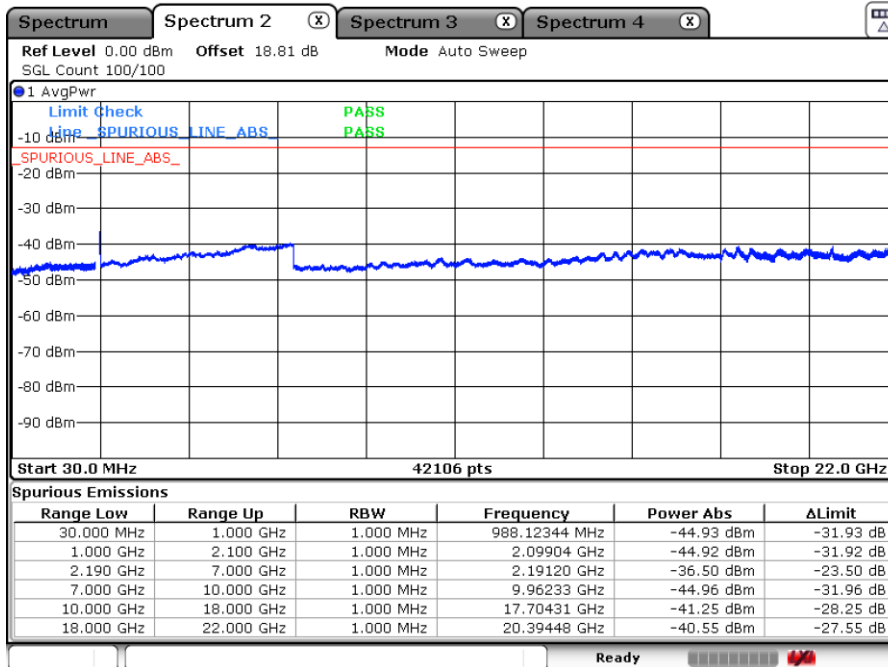


Date: 9.MAR.2023 22:57:57



Date: 9.MAR.2023 22:24:27

Highest Channel / QPSK



Date: 9.MAR.2023 23:10:34



Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0033	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0029	
20	Minimum Voltage	0.0006	

Note:

1. Normal Voltage =12 V. ; Minimum Voltage =11.4 V. ; Maximum Voltage =12.6 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Peng	Temperature :	23~25°C
		Relative Humidity :	41~42%

LTE Band 66 / 20MHz / QPSK- External Antenna MIMO <Ant.1+2> with Adapter mode								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	4272	-57.77	-13	-44.77	-68.51	2.604	13.34	H
	6408	-55.03	-13	-42.03	-65.54	3.011	13.52	H
	8544	-50.53	-13	-37.53	-60.73	3.271	13.47	H
	4272	-57.61	-13	-44.61	-68.35	2.604	13.34	V
	6408	-55.26	-13	-42.26	-65.77	3.011	13.52	V
	8544	-50.35	-13	-37.35	-60.55	3.271	13.47	V

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

LTE Band 66 / 20MHz / QPSK- Internal Antenna:MIMO <Ant.1+2> with Adapter mode								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	4275	-57.46	-13	-44.46	-68.20	2.604	13.34	H
	6405	-54.98	-13	-41.98	-65.49	3.011	13.52	H
	8550	-50.55	-13	-37.55	-60.75	3.271	13.47	H
	4275	-57.52	-13	-44.52	-68.26	2.604	13.34	V
	6405	-54.96	-13	-41.96	-65.47	3.011	13.52	V
	8550	-50.19	-13	-37.19	-60.39	3.271	13.47	V

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

LTE Band 66 / 20MHz / QPSK- Internal Antenna:MIMO <Ant.1+2> with POE mode								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	4275	-57.60	-13	-44.60	-68.34	2.604	13.34	H
	6405	-55.34	-13	-42.34	-65.85	3.011	13.52	H
	8550	-50.10	-13	-37.10	-60.30	3.271	13.47	H
	4275	-57.65	-13	-44.65	-68.39	2.604	13.34	V
	6405	-55.04	-13	-42.04	-65.55	3.011	13.52	V
	8550	-50.53	-13	-37.53	-60.73	3.271	13.47	V

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