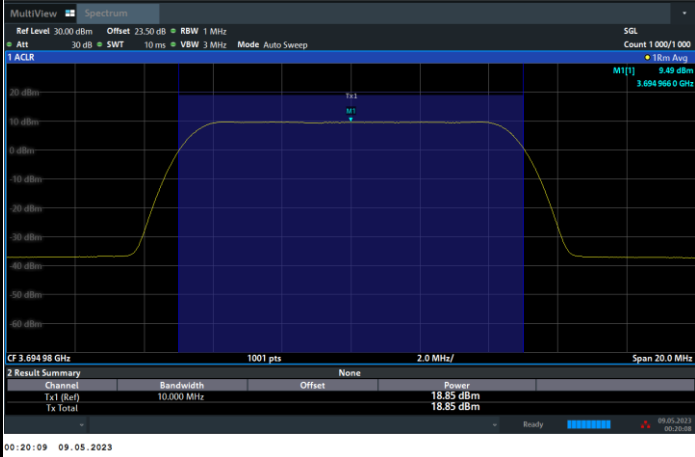


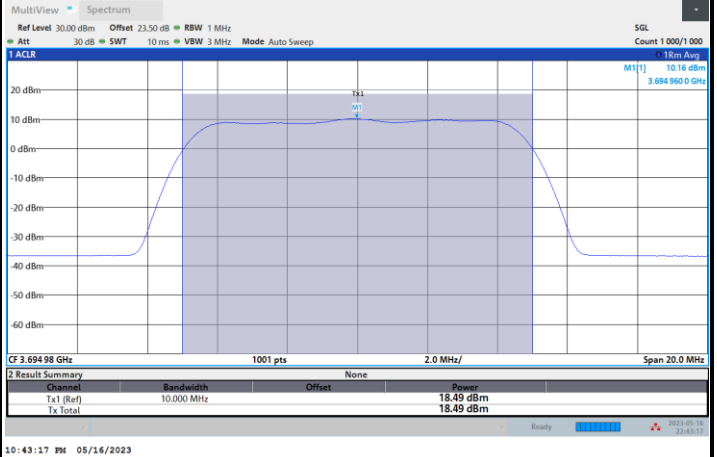


LTE B48 / 10MHz / Highest Channel / Conducted (dBm/10MHz)

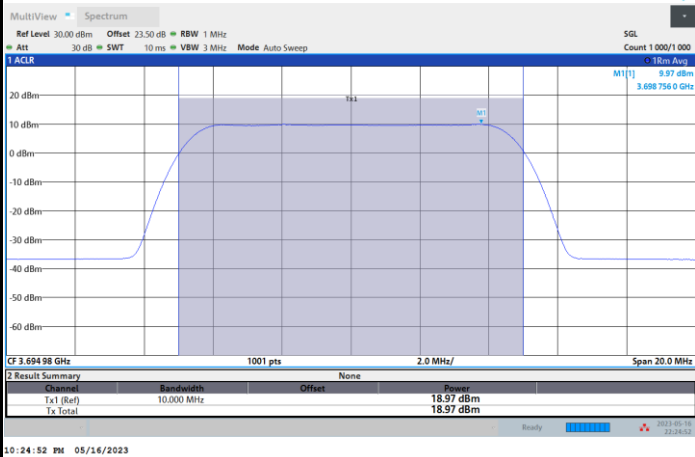
QPSK



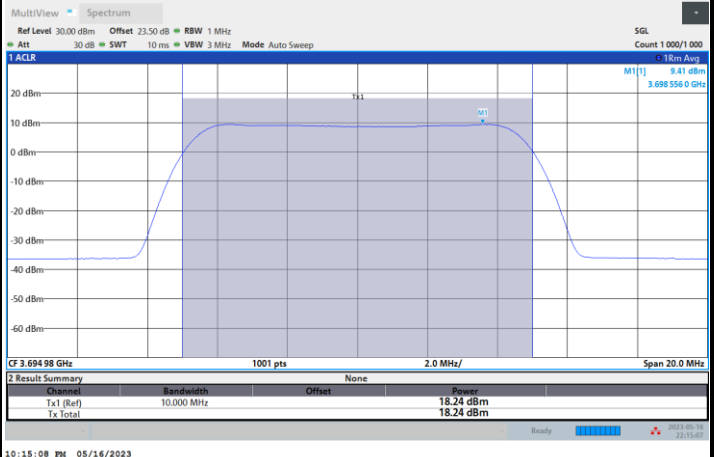
16QAM



64QAM



256QAM

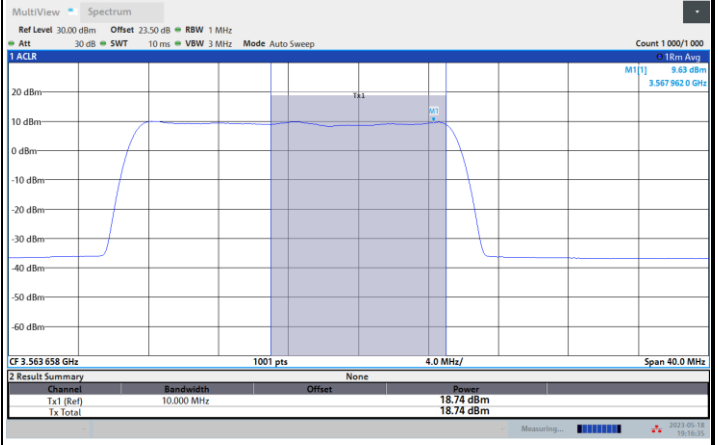




LTE B48 / 20MHz / Lowest Channel / Conducted (dBm/10MHz)

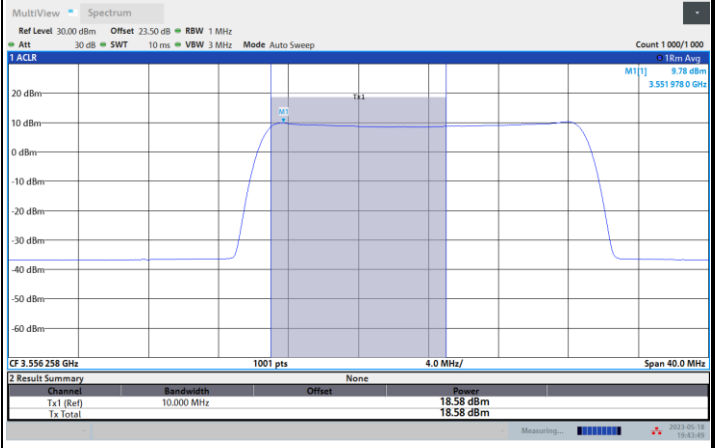
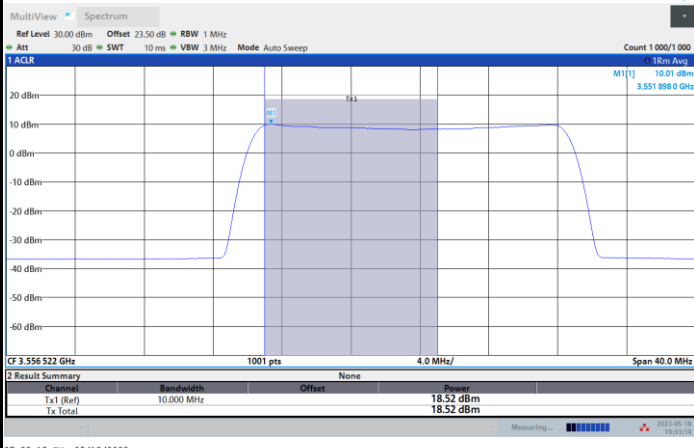
QPSK

16QAM



64QAM

256QAM

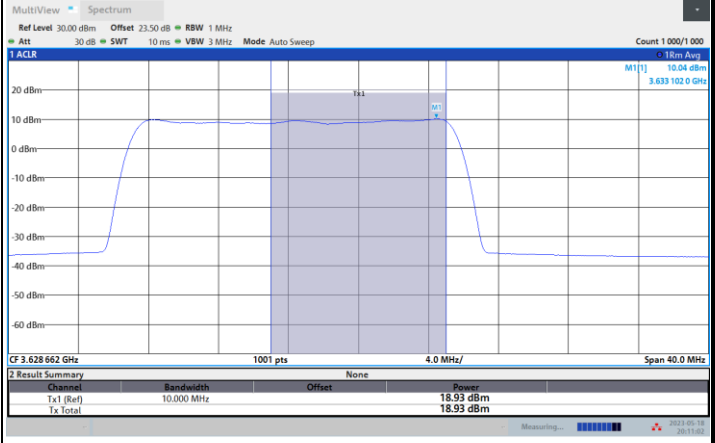
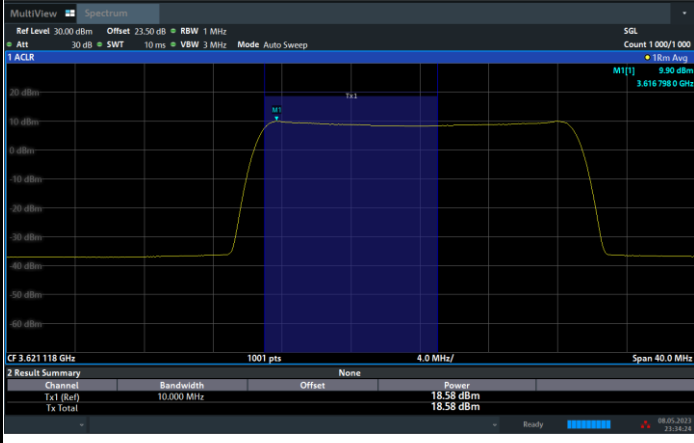




LTE B48 / 20MHz / Middle Channel / Conducted (dBm/10MHz)

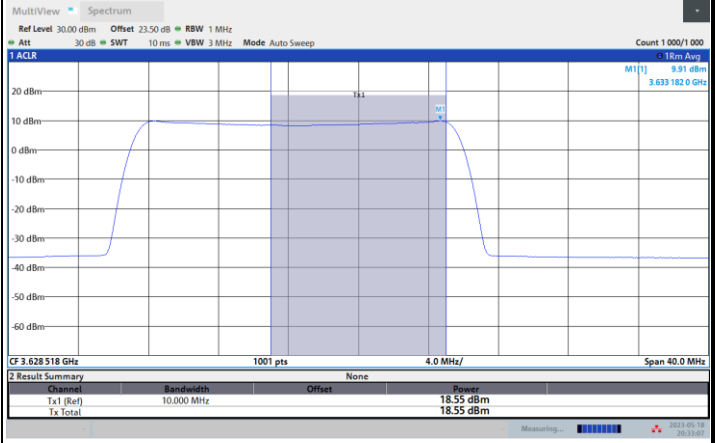
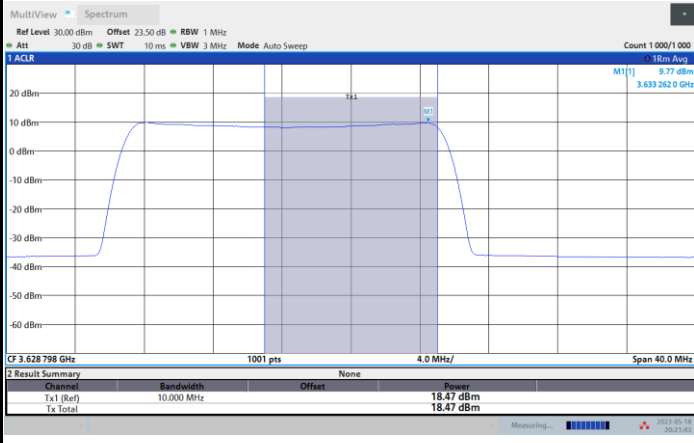
QPSK

16QAM



64QAM

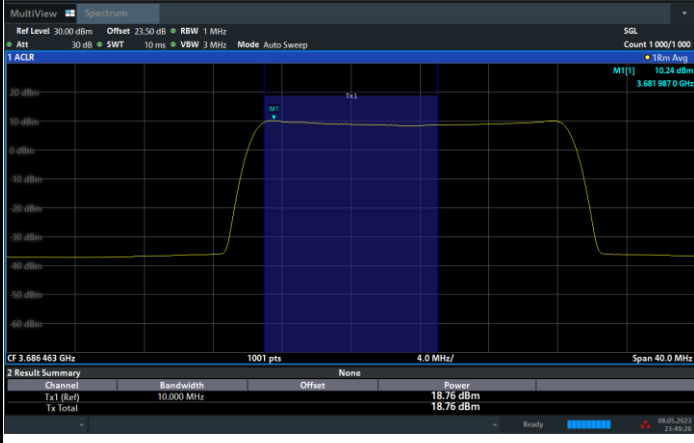
256QAM





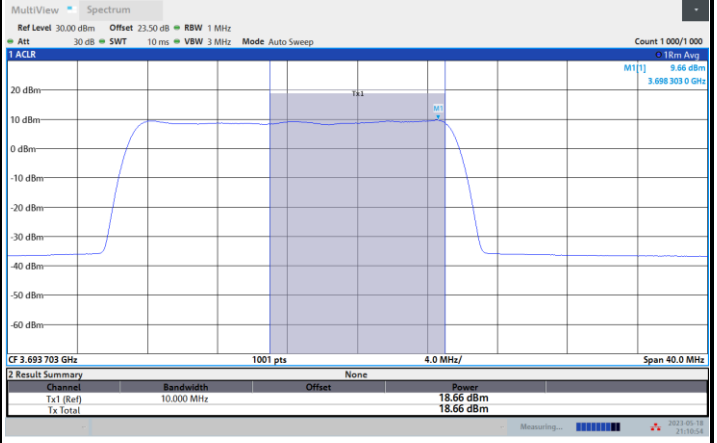
LTE B48 / 20MHz / Highest Channel / Conducted (dBm/10MHz)

QPSK



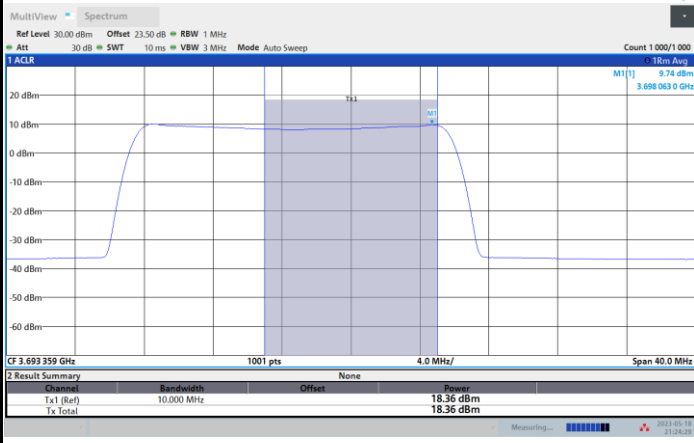
23:49:26 08.05.2023

16QAM



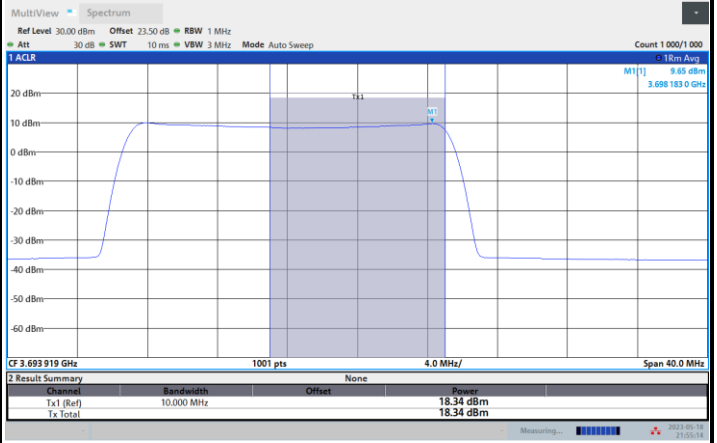
09:10:54 PM 05/18/2023

64QAM



09:24:30 PM 05/18/2023

256QAM



09:55:15 PM 05/18/2023



Power Spectral Density

Mode	LTE B48 : Conducted PSD (dBm/MHz) <SISO> Lowest Channel							
	10MHz		20MHz		40MHz		50MHz	
BW								
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	10.09	10.18	10.02	10.11	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	9.77	9.72	10.26	10.39	-	-	-	-

Mode	LTE B48 : EIRP PSD (dBm/MHz) <MIMO 2TX> Lowest Channel							
	10MHz		20MHz		40MHz		50MHz	
BW								
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	19.69	19.78	19.62	19.71	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	19.37	19.32	19.86	19.99	-	-	-	-
Limit	20dBm/MHz							
Result	PASS							

Note

1. The measured conducted PSD result has included duty cycle offset factor.
2. The EIRP PSD = conducted PSD result + 3.01dB (2TX) + 6.59dBi MIMO antenna gain.



Mode	LTE B48 : Conducted PSD (dBm/MHz) <SISO> Middle Channel							
	10MHz		20MHz		40MHz		50MHz	
BW								
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	10.30	10.17	10.27	10.00	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	9.54	10.39	10.17	10.20	-	-	-	-

Mode	LTE B48 : EIRP PSD (dBm/MHz) <MIMO 2TX> Middle Channel							
	10MHz		20MHz		40MHz		50MHz	
BW								
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	19.90	19.77	19.87	19.60	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	19.14	19.99	19.77	19.80	-	-	-	-
Limit	20dBm/MHz							
Result	PASS							

Note

1. The measured conducted PSD result has included duty cycle offset factor.
2. The EIRP PSD = conducted PSD result + 3.01dB (2TX) + 6.59dBi MIMO antenna gain.



Mode	LTE B48 : Conducted PSD (dBm/MHz) <SISO> Highest Channel							
	10MHz		20MHz		40MHz		50MHz	
BW								
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Highest CH	10.25	10.34	10.38	10.04	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Highest CH	10.17	9.48	9.80	10.16	-	-	-	-

Mode	LTE B48 : EIRP PSD (dBm/MHz) <MIMO 2TX> Highest Channel							
	10MHz		20MHz		40MHz		50MHz	
BW								
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Highest CH	19.85	19.94	19.98	19.64	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Highest CH	19.77	19.08	19.40	19.76	-	-	-	-
Limit	20dBm/MHz							
Result	PASS							

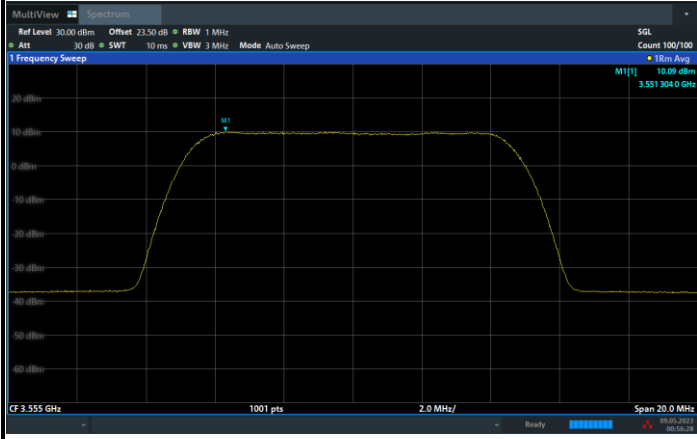
Note

1. The measured conducted PSD result has included duty cycle offset factor.
2. The EIRP PSD = conducted PSD result + 3.01dB (2TX) + 6.59dBi MIMO antenna gain.



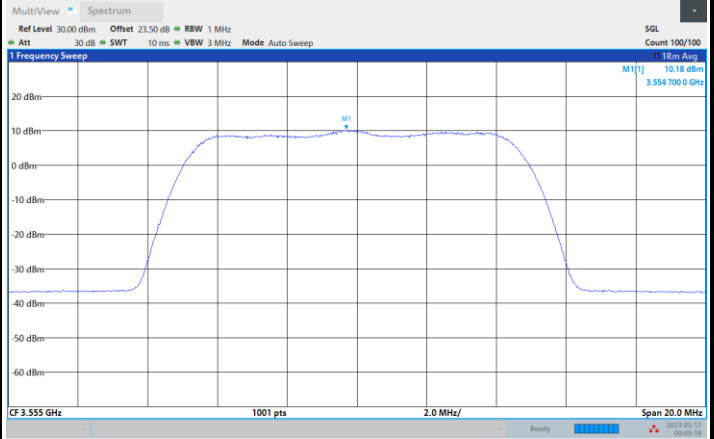
LTE B48 / 10MHz / Lowest Channel / PSD

QPSK



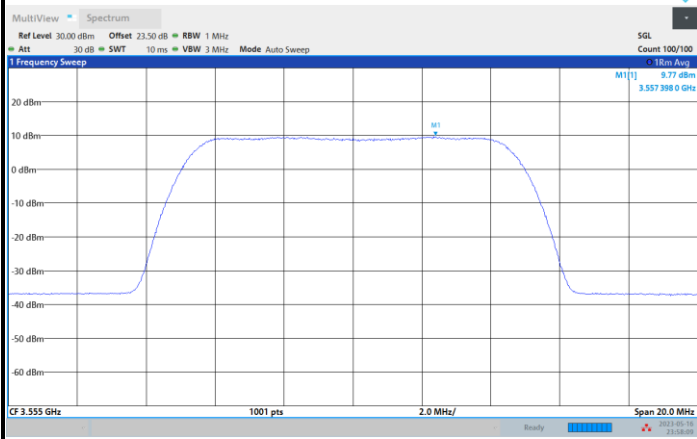
00:56:28 09.05.2023

16QAM



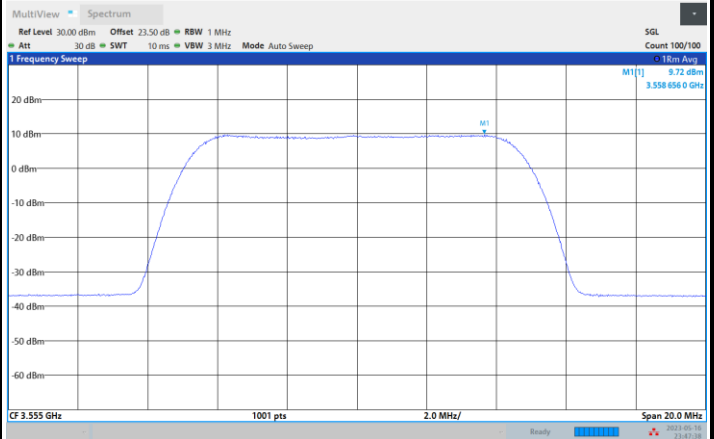
12:09:19 AM 05/17/2023

64QAM



11:58:09 PM 05/16/2023

256QAM

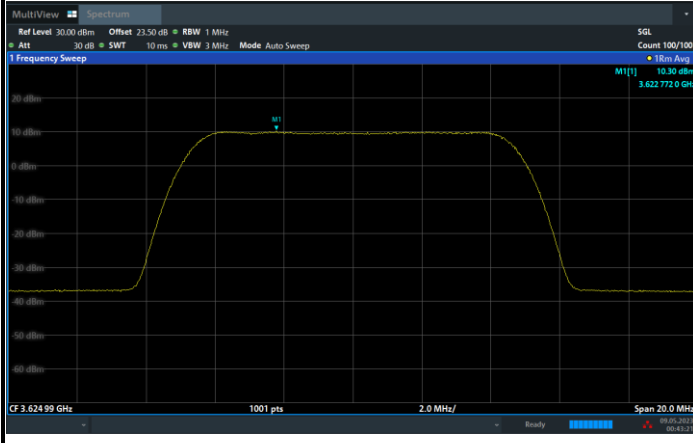


11:47:38 PM 05/16/2023



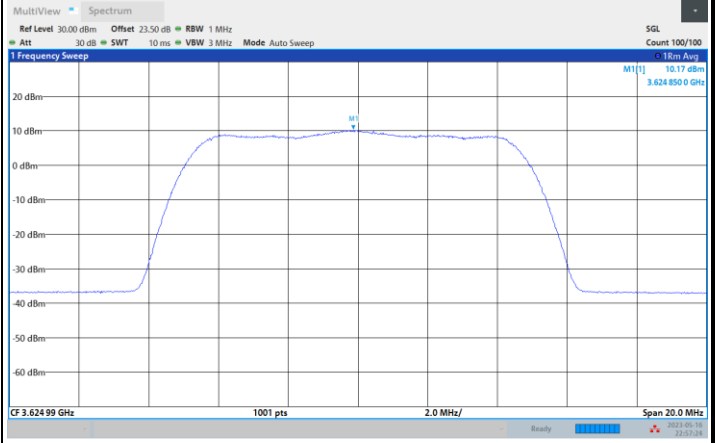
LTE B48 / 10MHz / Middle Channel / PSD

QPSK



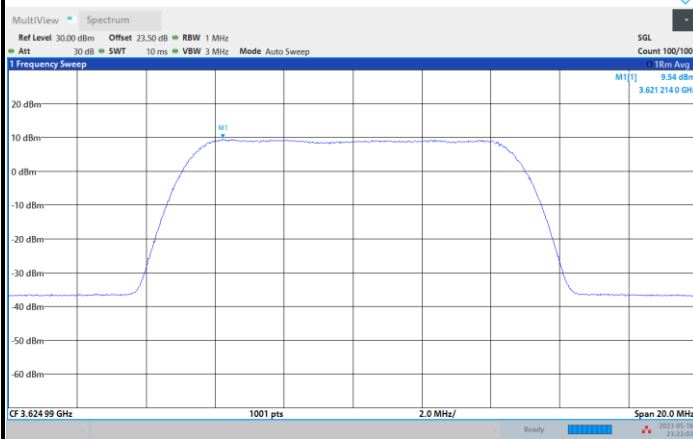
00:43:21 09.05.2023

16QAM



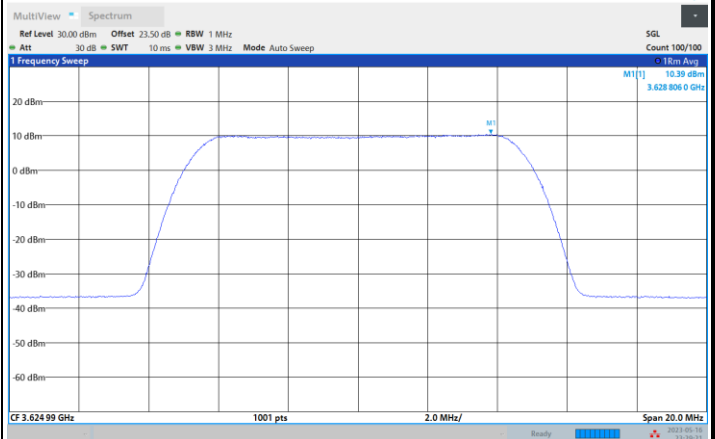
10:57:24 PM 05/16/2023

64QAM



11:22:04 PM 05/16/2023

256QAM

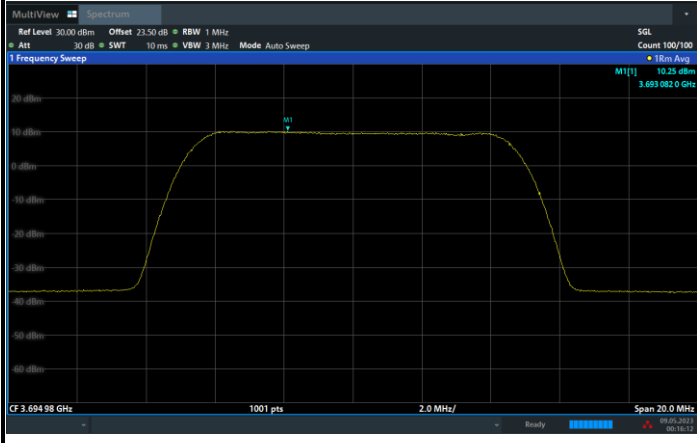


11:29:22 PM 05/16/2023

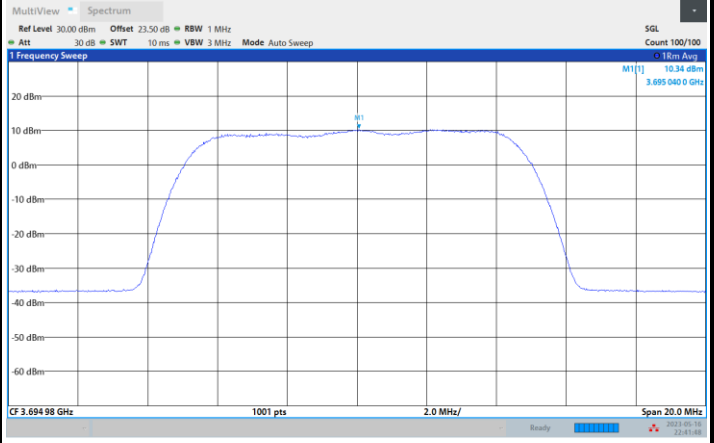


LTE B48 / 10MHz / Highest Channel / PSD

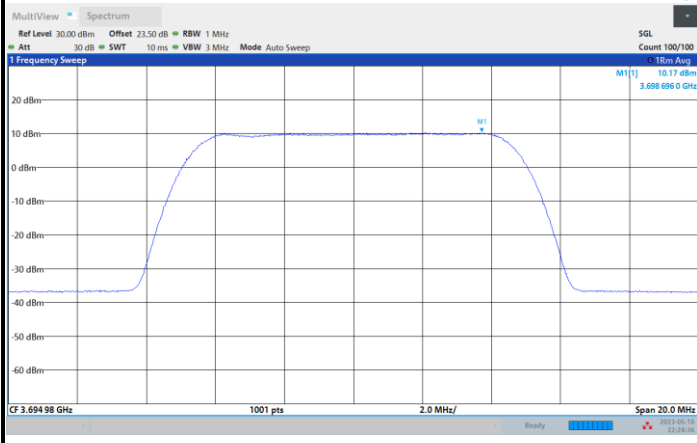
QPSK



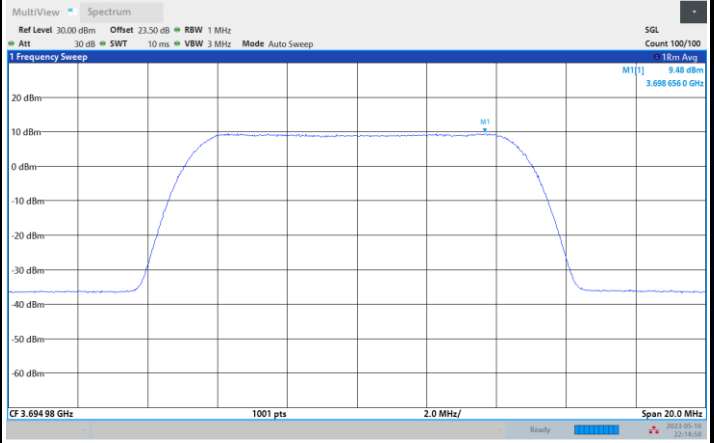
16QAM



64QAM



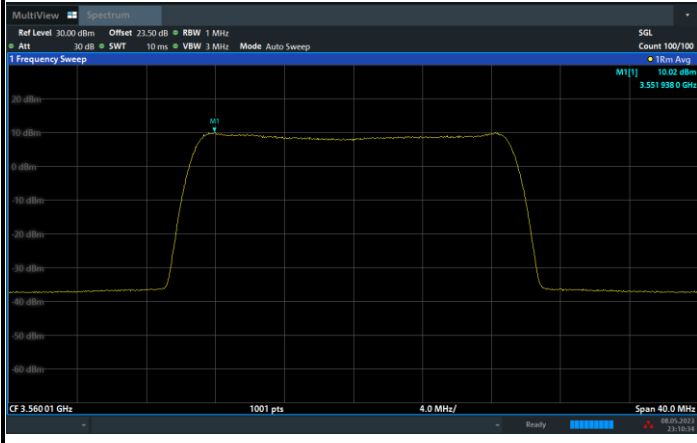
256QAM





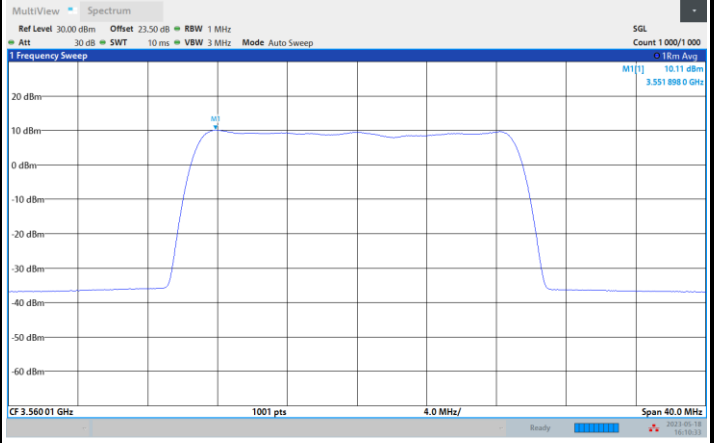
LTE B48 / 20MHz / Lowest Channel / PSD

QPSK



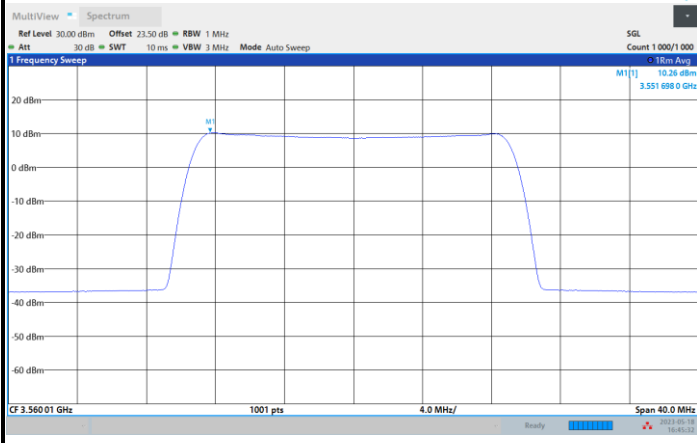
23:10:35 08/05/2023

16QAM



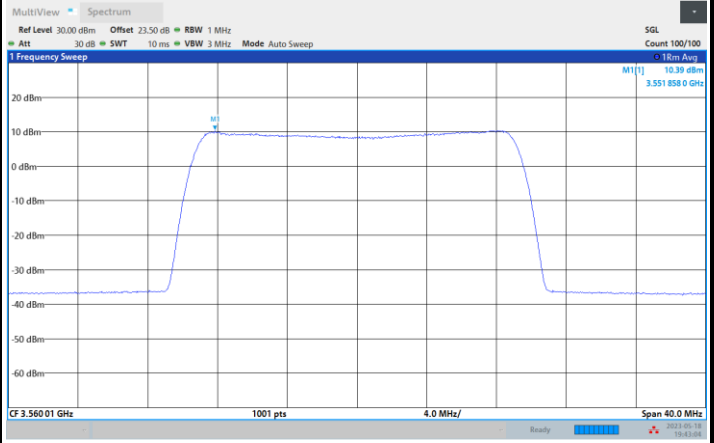
04:10:33 PM 05/18/2023

64QAM



04:45:33 PM 05/18/2023

256QAM

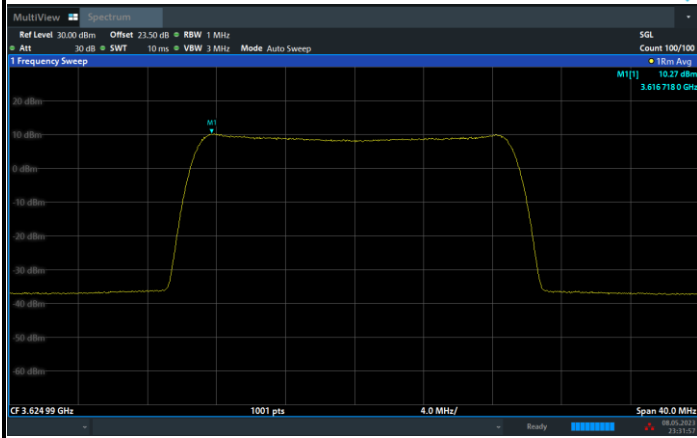


07:43:04 PM 05/18/2023

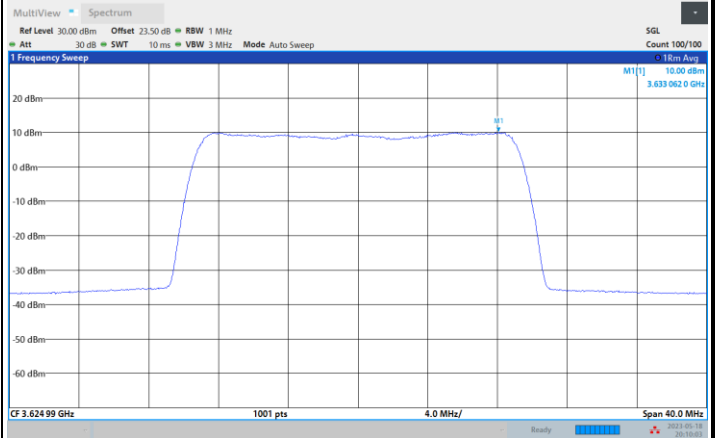


LTE B48 / 20MHz / Middle Channel / PSD

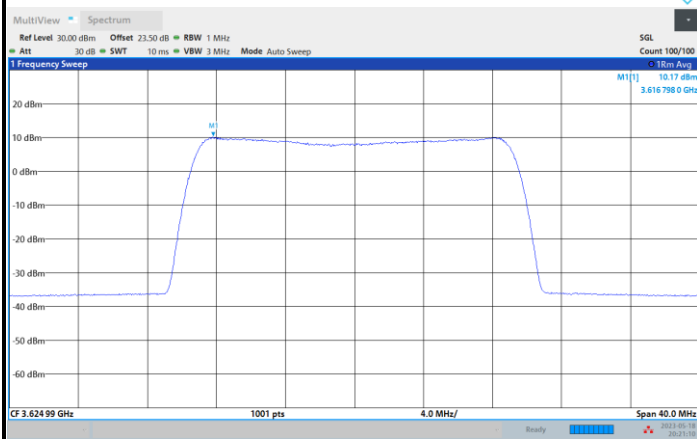
QPSK



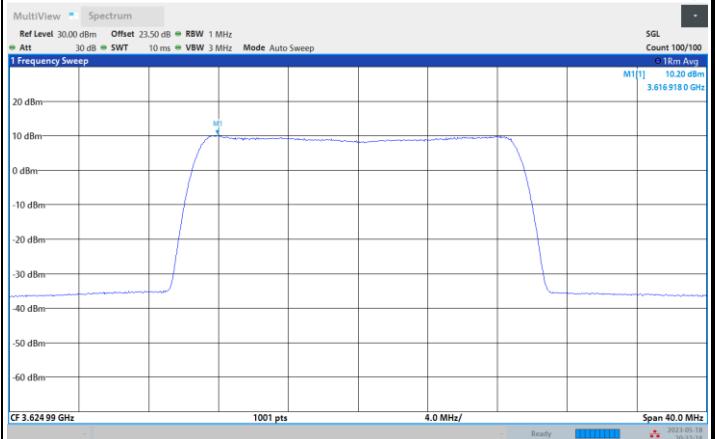
16QAM



64QAM



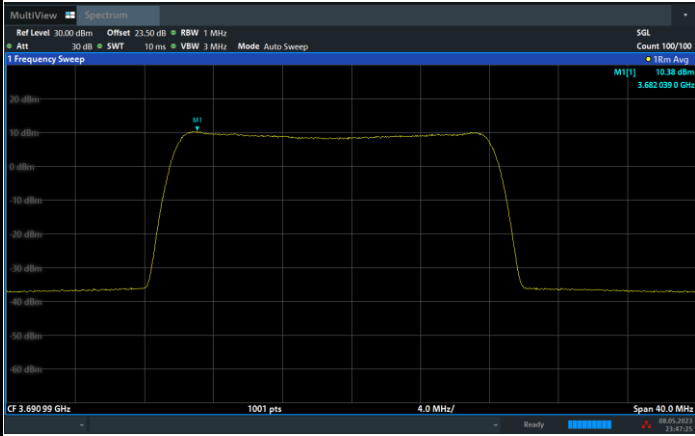
256QAM





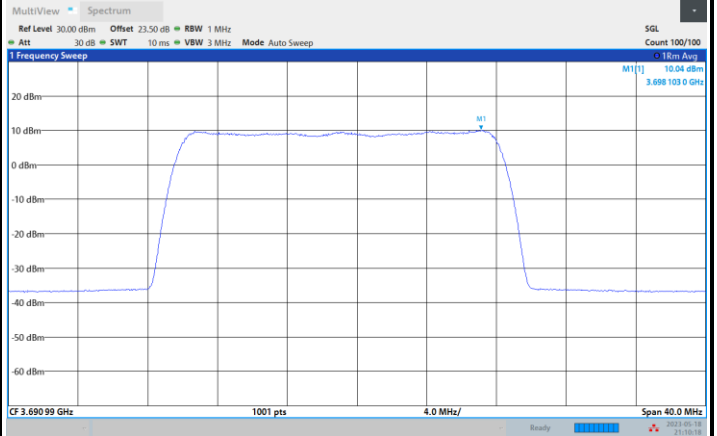
LTE B48 / 20MHz / Highest Channel / PSD

QPSK



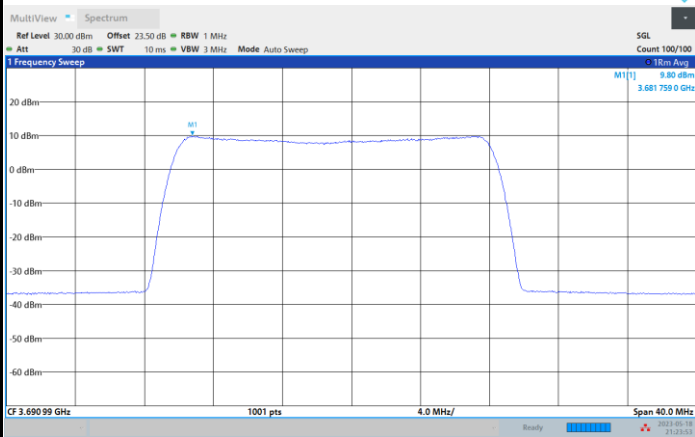
23:47:27 08/05/2023

16QAM



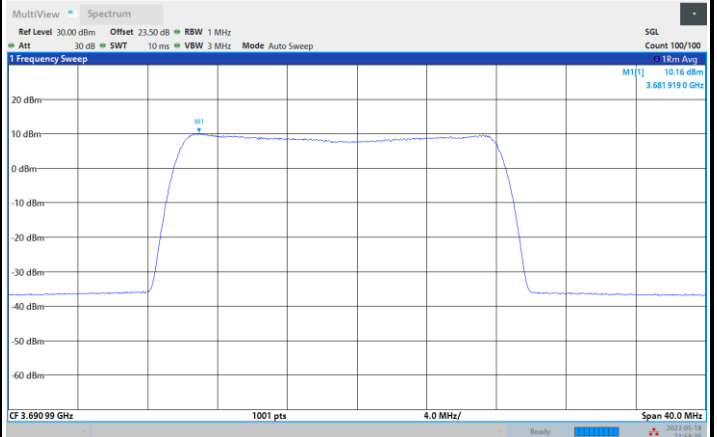
09:10:19 PM 05/18/2023

64QAM



09:23:53 PM 05/18/2023

256QAM

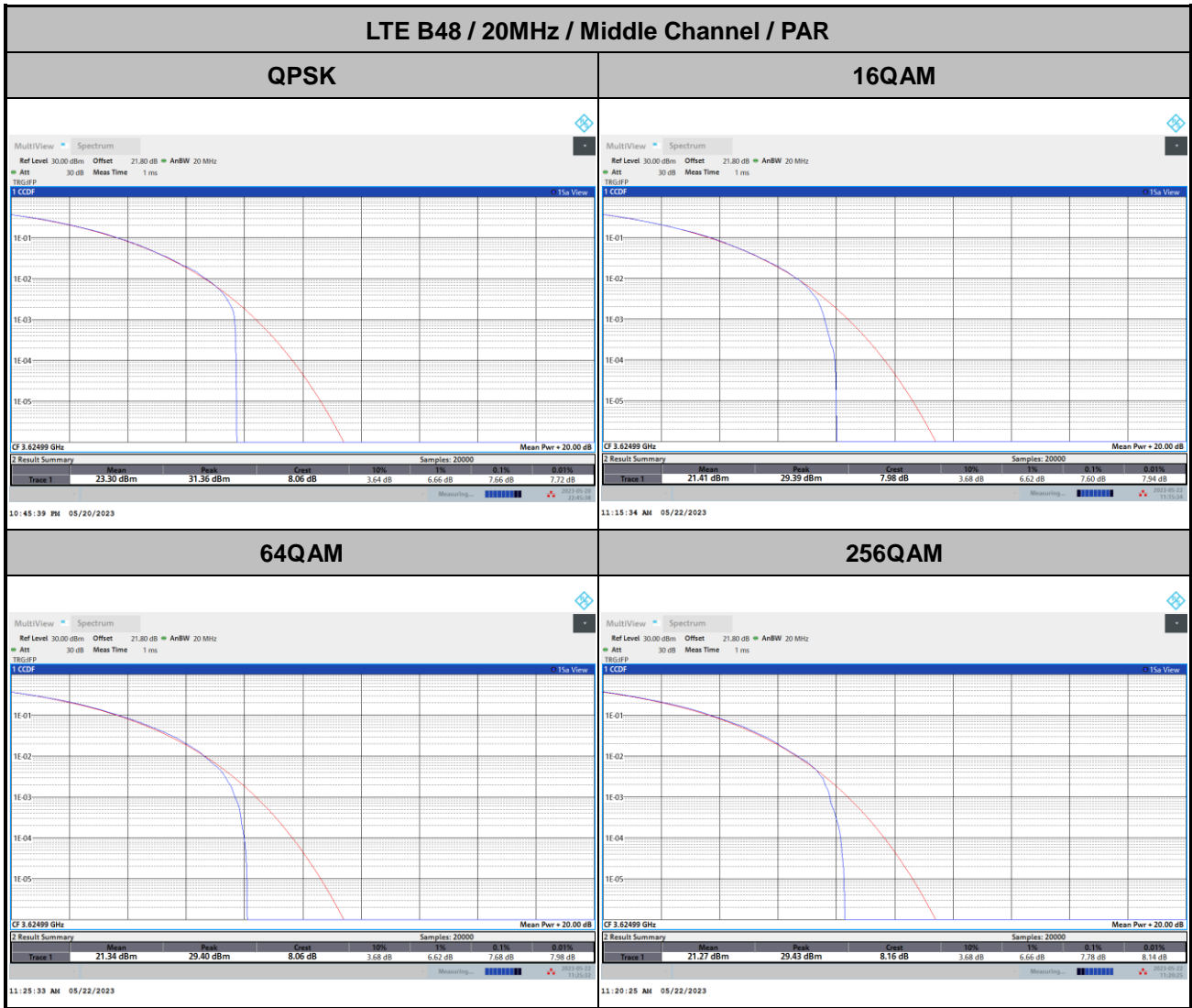


09:54:27 PM 05/18/2023



Peak-to-Average Ratio

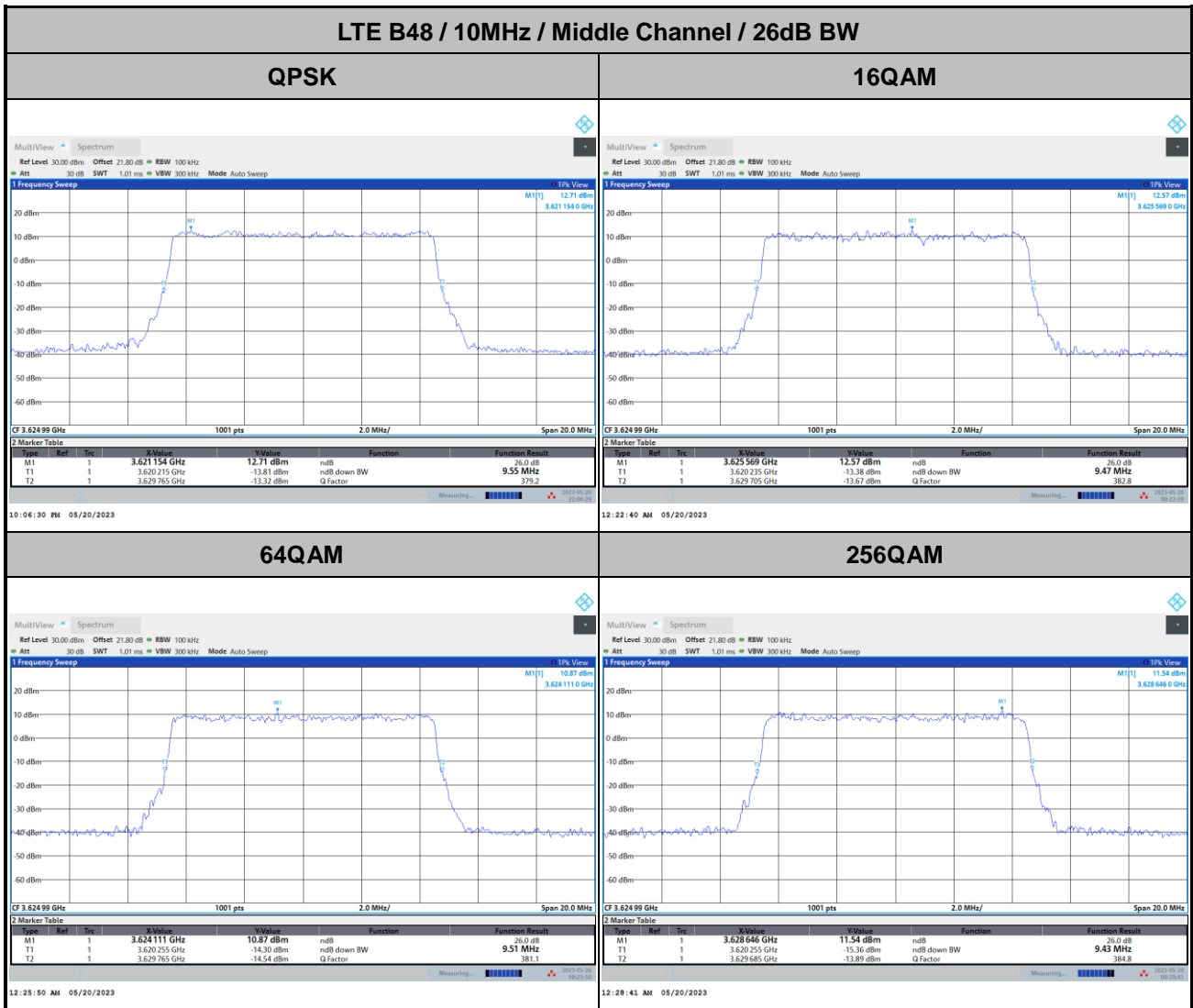
Mode	LTE B48 / 20MHz / PAR (dB)				Limit: 13dB
Mod.	QPSK	16QAM	64QAM	256QAM	Result
Middle CH	7.66	7.60	7.68	7.78	PASS





26dB Bandwidth

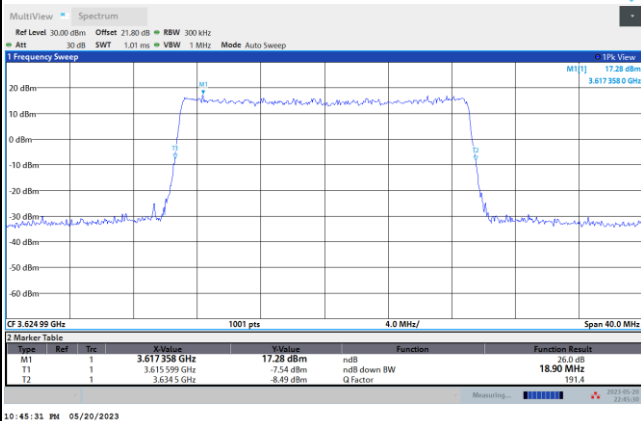
Mode	LTE B48 : 26dB BW(MHz)							
	10MHz		20MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	9.55	9.47	18.90	18.78	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	9.51	9.43	18.94	19.02	-	-	-	-





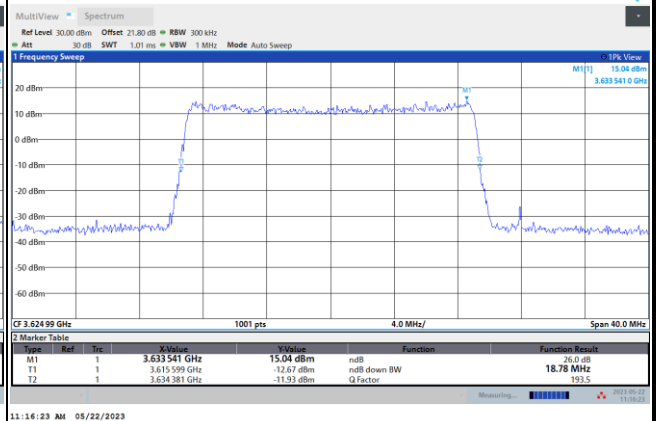
LTE B48 / 20MHz / Middle Channel / 26dB BW

QPSK



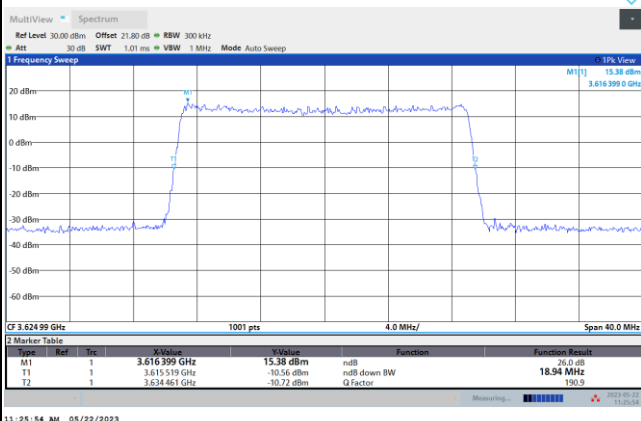
10:45:31 AM 05/20/2023

16QAM



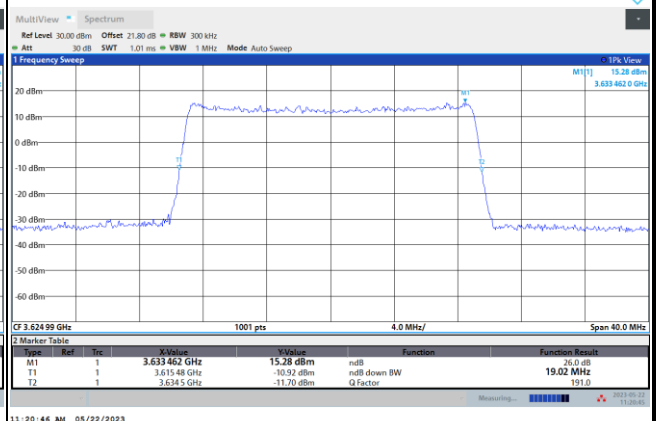
11:16:23 AM 05/22/2023

64QAM



11:25:54 AM 05/22/2023

256QAM

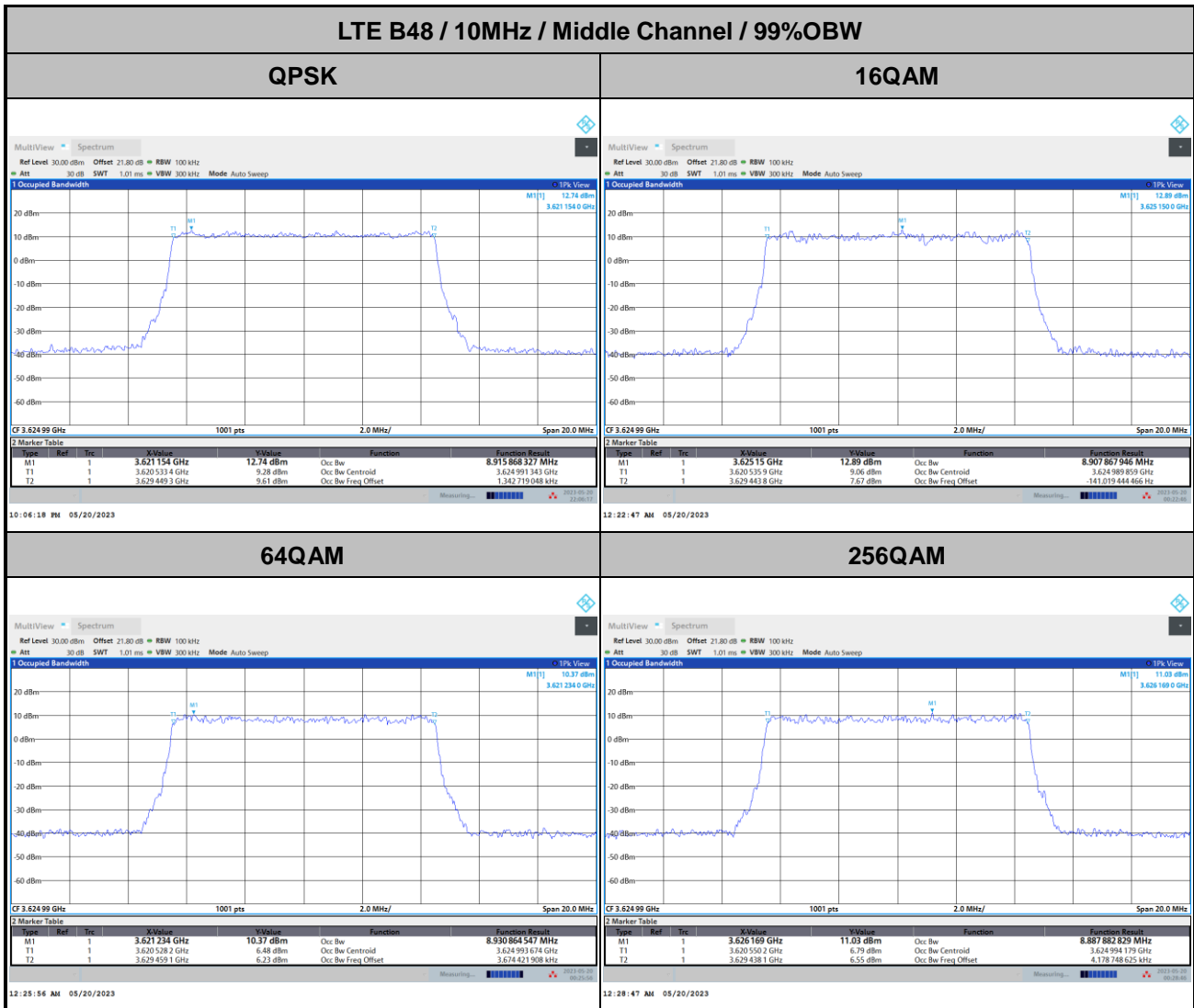


11:20:46 AM 05/22/2023



Occupied Bandwidth

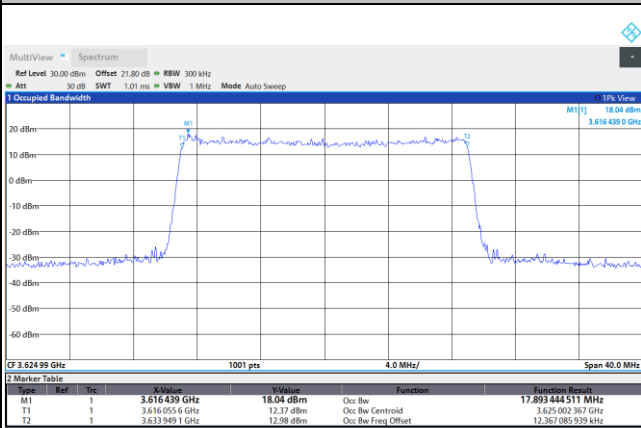
Mode		LTE B48 : 99%OBW (MHz)							
BW		10MHz		20MHz		40MHz		50MHz	
Mod.		QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH		8.91	8.90	17.89	17.87	-	-	-	-
Mod.		64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH		8.93	8.88	17.89	17.89	-	-	-	-





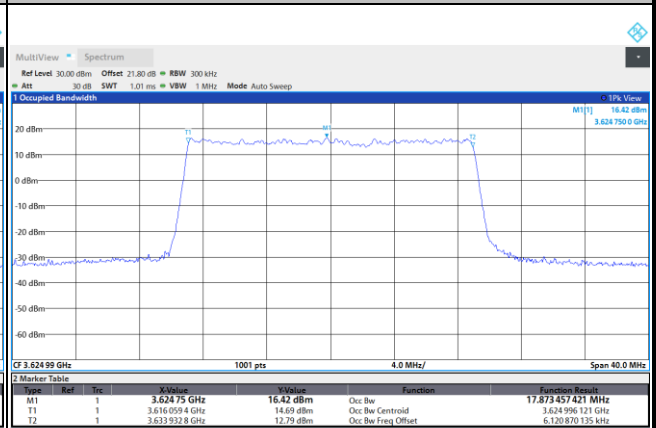
LTE B48 / 20MHz / Middle Channel / 99%OBW

QPSK



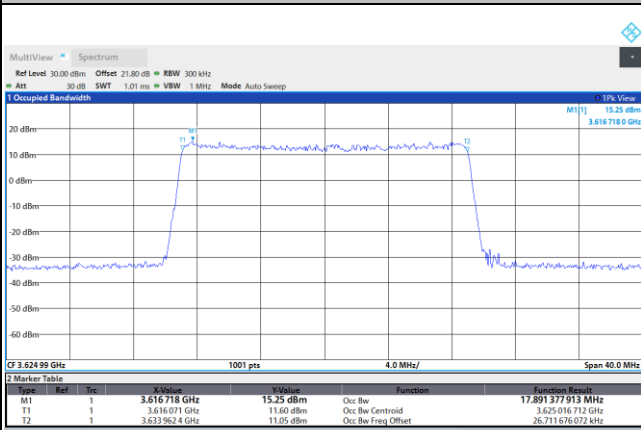
10:45:22 AM 05/20/2023

16QAM



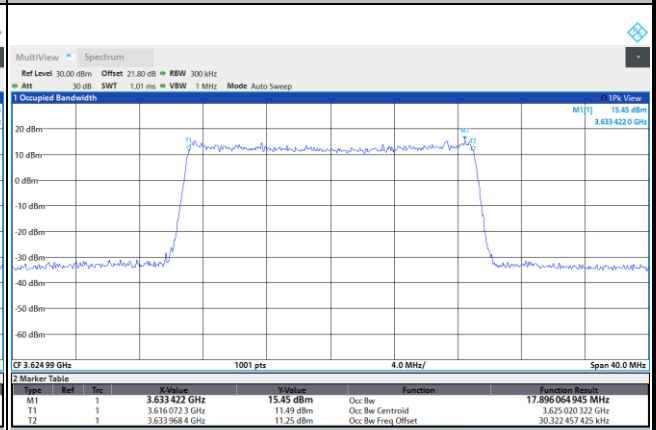
11:36:53 AM 05/22/2023

64QAM



11:25:45 AM 05/22/2023

256QAM

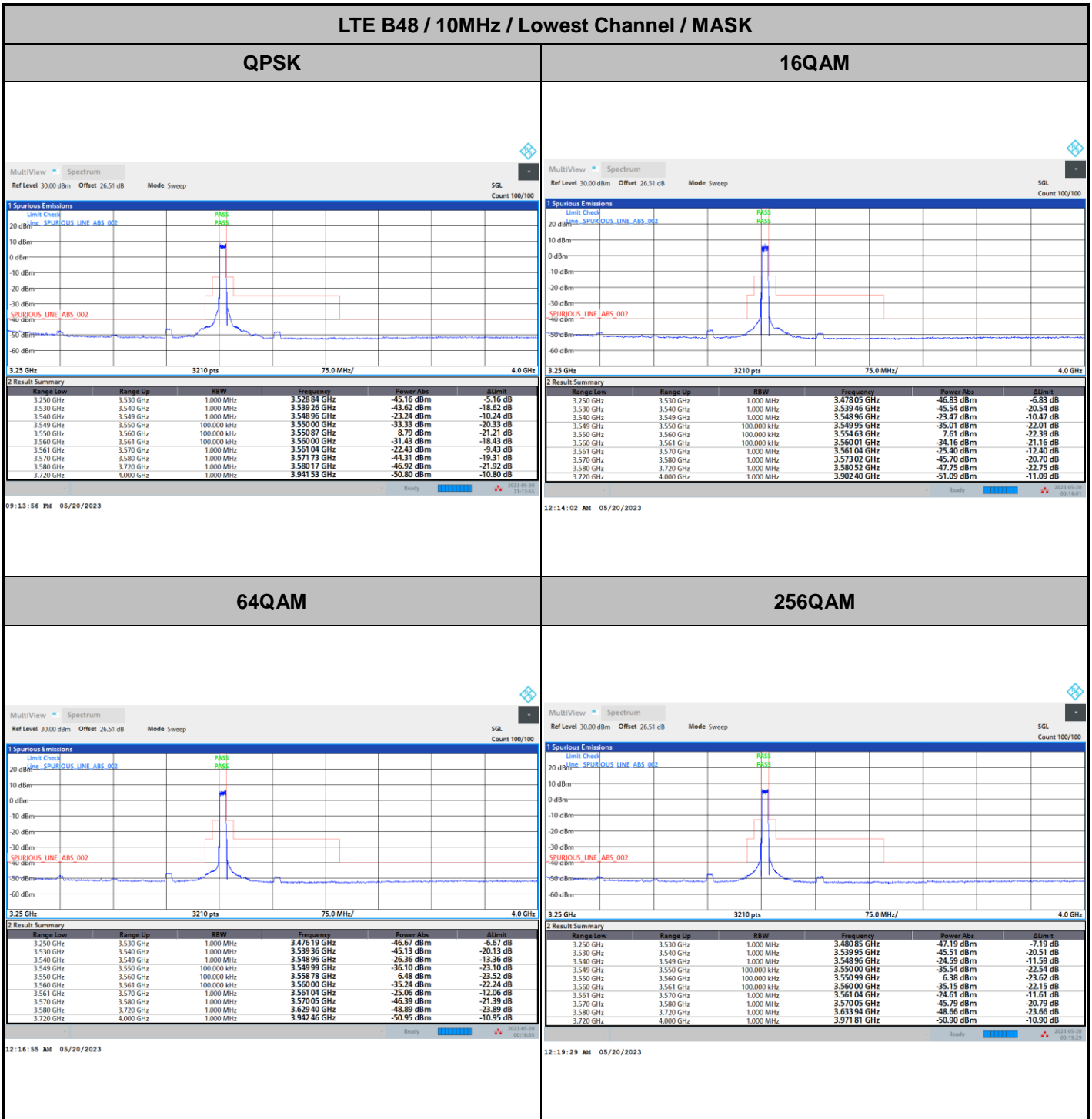


11:20:34 AM 05/22/2023



Unwanted Emission (MASK)

LTE B48 / 10MHz / Lowest Channel / MASK

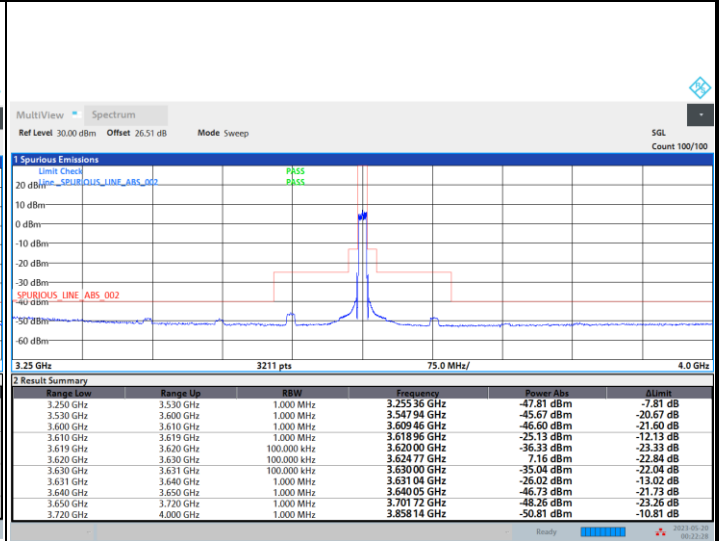
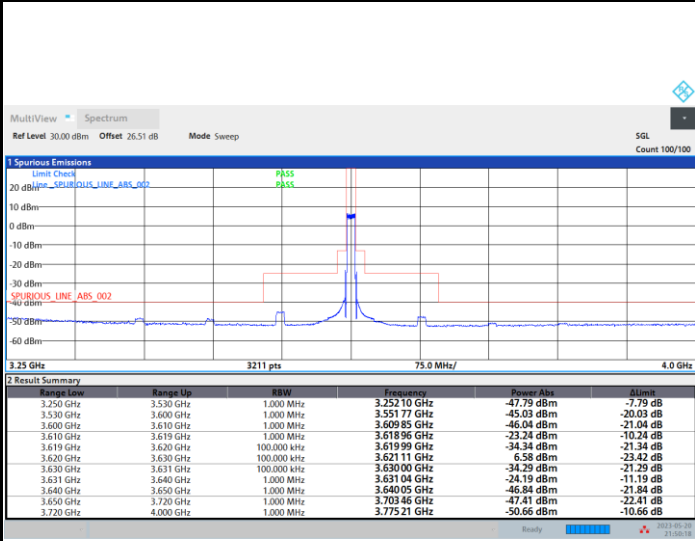




LTE B48 / 10MHz / Middle Channel / MASK

QPSK

16QAM

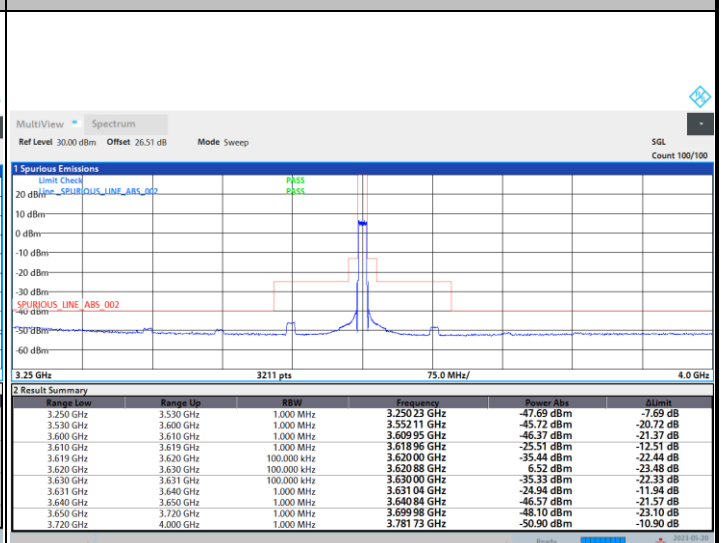
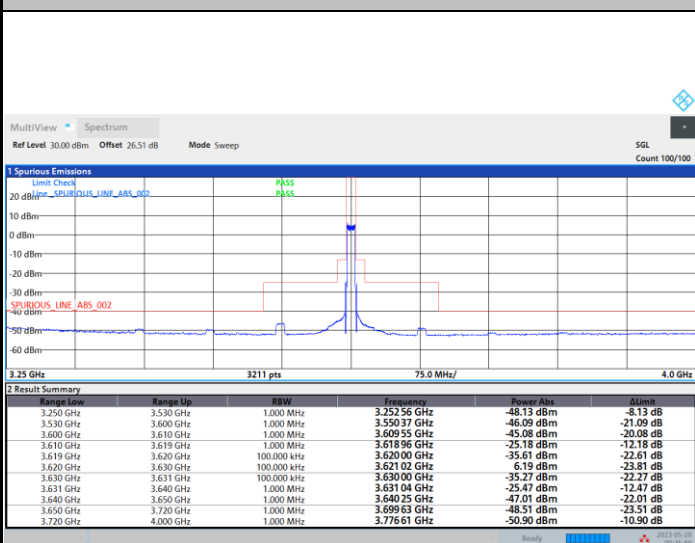


09:50:18 PM 05/20/2023

12:22:29 AM 05/20/2023

64QAM

256QAM



12:25:40 AM 05/20/2023

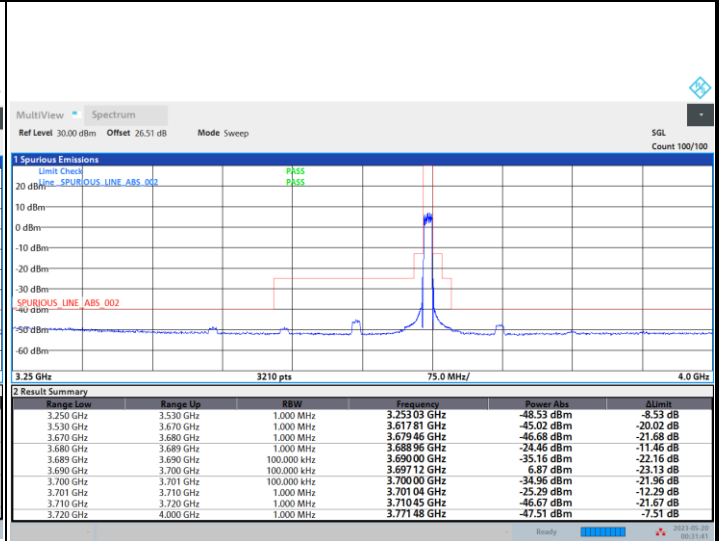
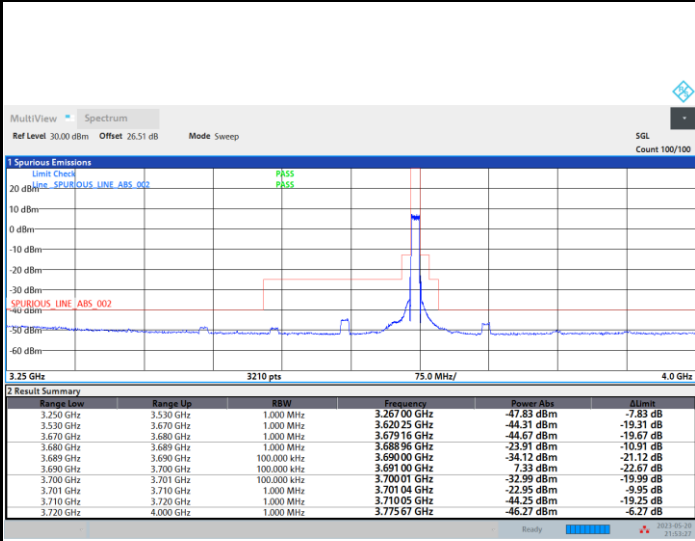
12:28:30 AM 05/20/2023



LTE B48 / 10MHz / Highest Channel / MASK

QPSK

16QAM

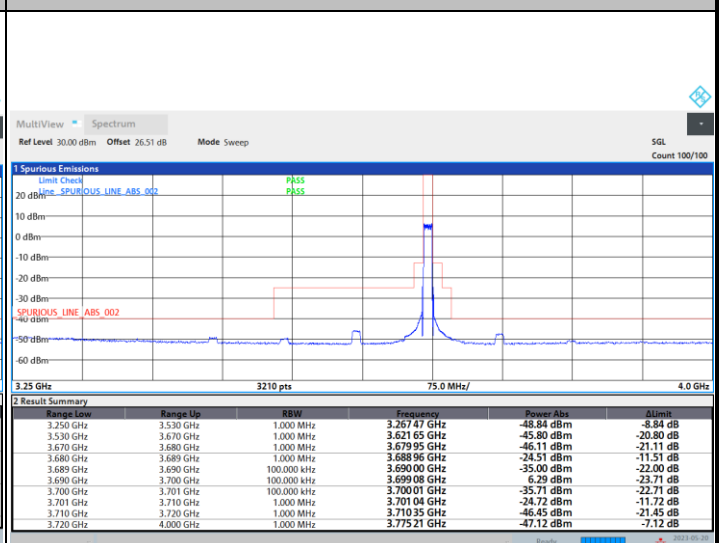
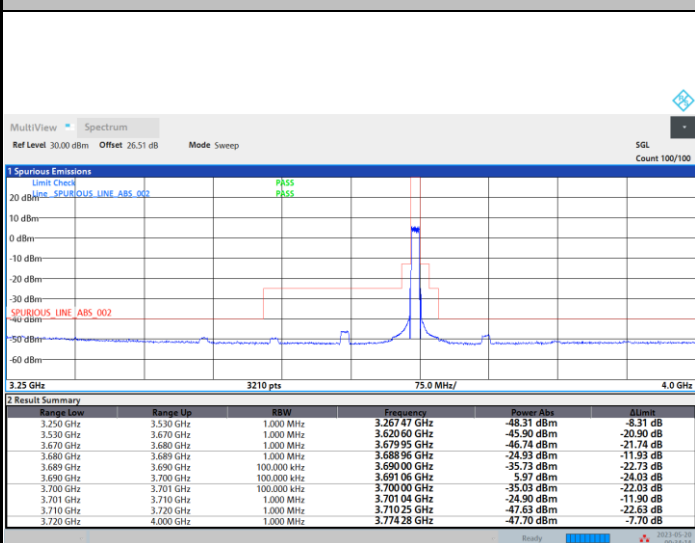


09:53:27 PM 05/20/2023

12:31:41 AM 05/20/2023

64QAM

256QAM



12:34:14 AM 05/20/2023

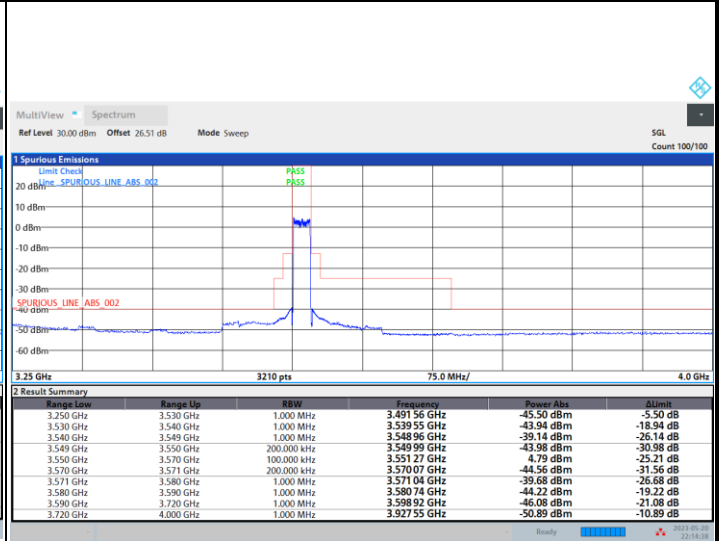
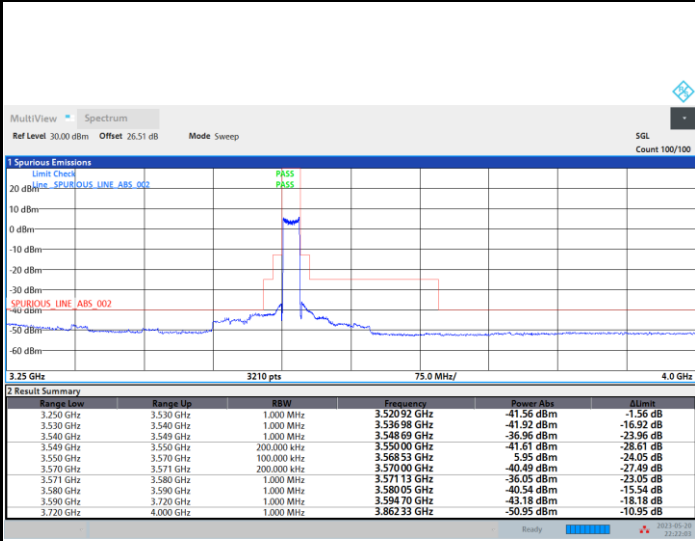
12:36:54 AM 05/20/2023



LTE B48 / 20MHz / Lowest Channel / MASK

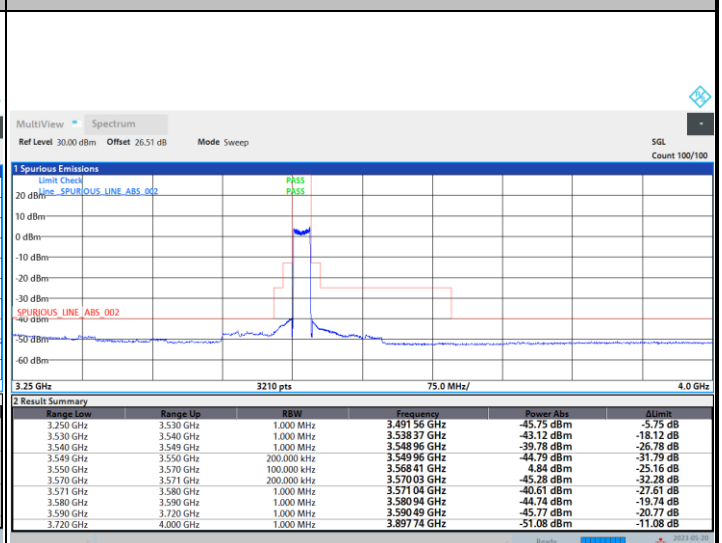
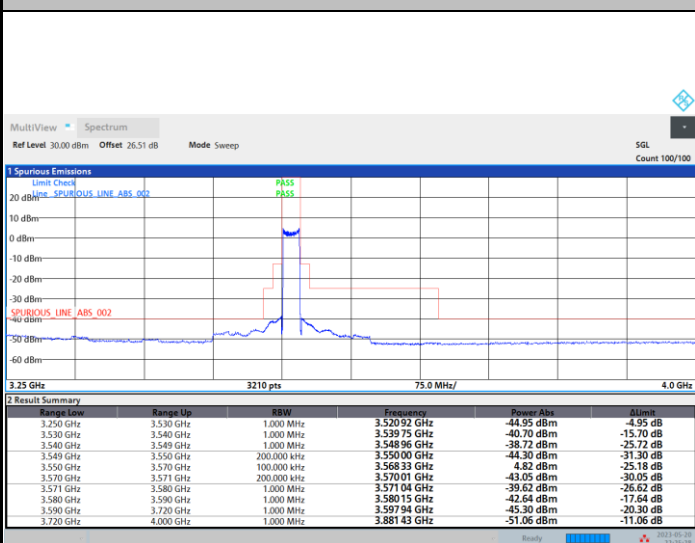
QPSK

16QAM



64QAM

256QAM

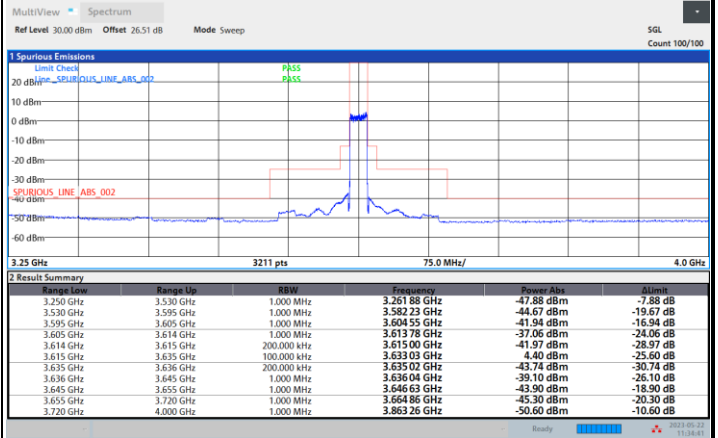
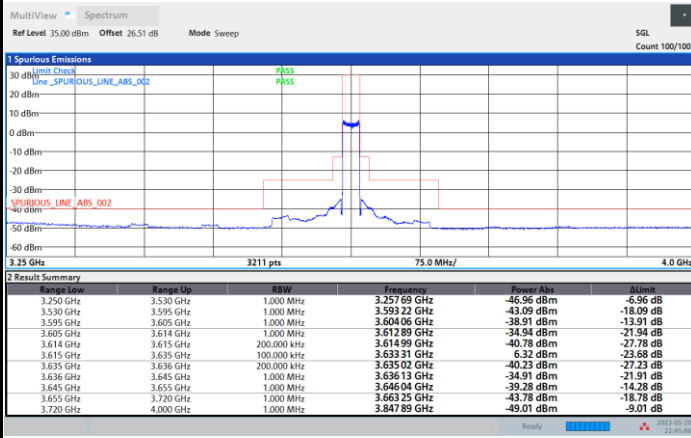




LTE B48 / 20MHz / Middle Channel / MASK

QPSK

16QAM

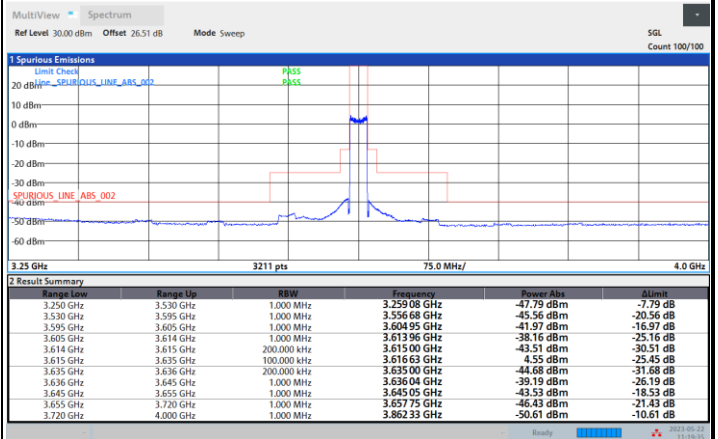
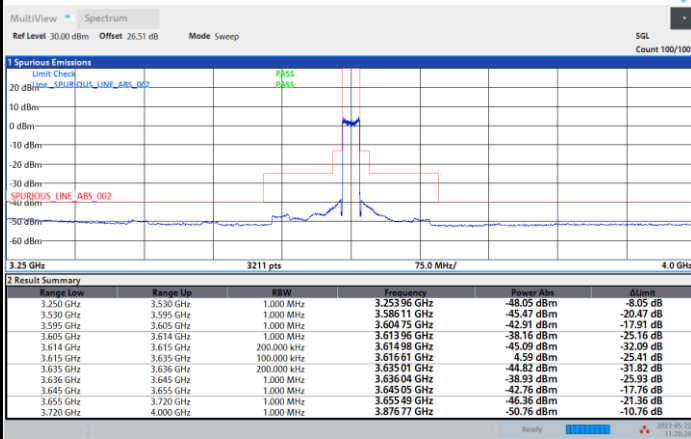


10:45:07 PM 05/22/2023

11:34:42 AM 05/22/2023

64QAM

256QAM



11:26:27 AM 05/22/2023

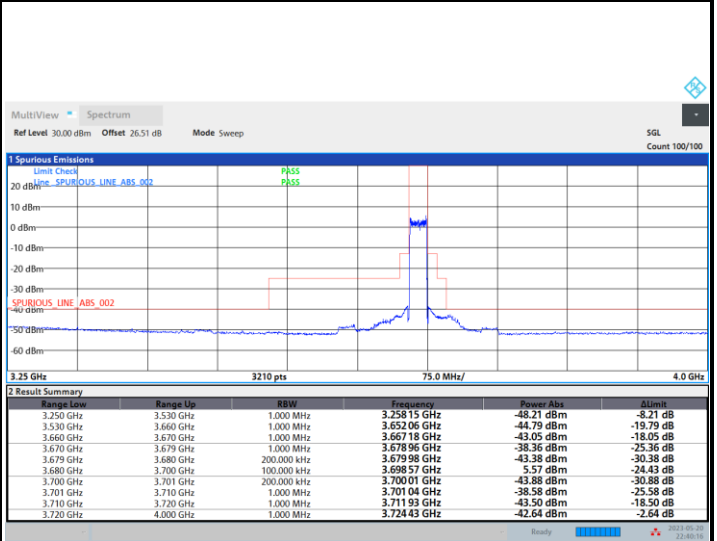
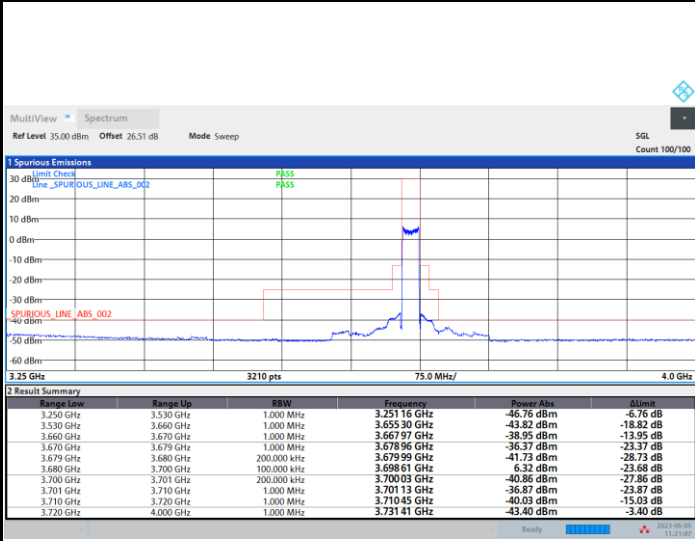
11:19:35 AM 05/22/2023



LTE B48 / 20MHz / Highest Channel / MASK

QPSK

16QAM

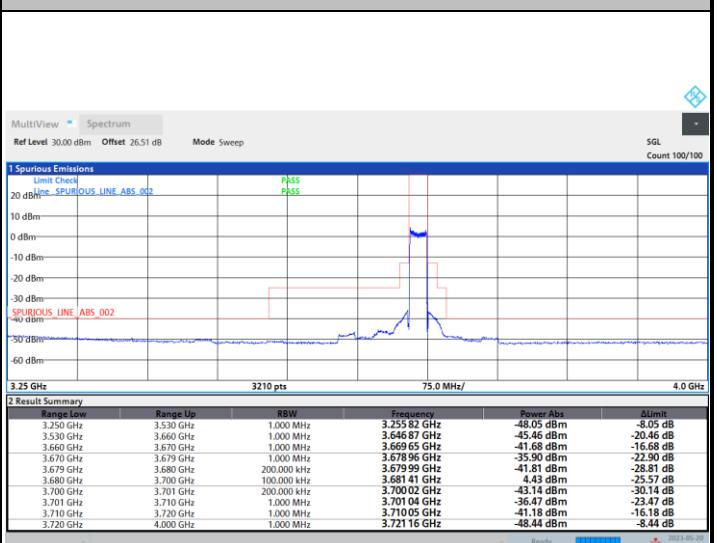
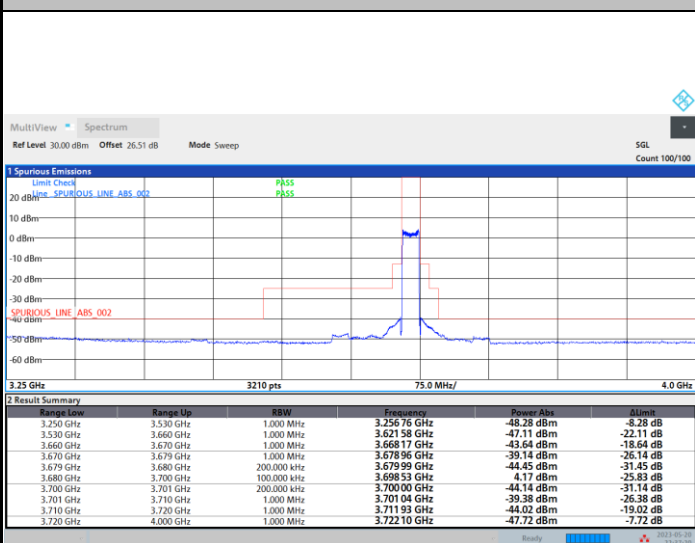


11:21:08 AM 06/05/2023

10:40:16 PM 05/20/2023

64QAM

256QAM



10:37:21 PM 05/20/2023

10:32:38 PM 05/20/2023

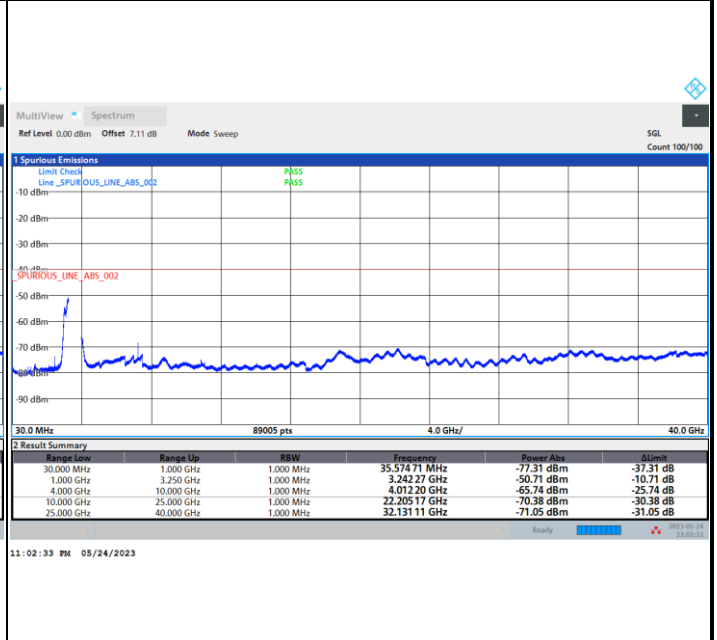
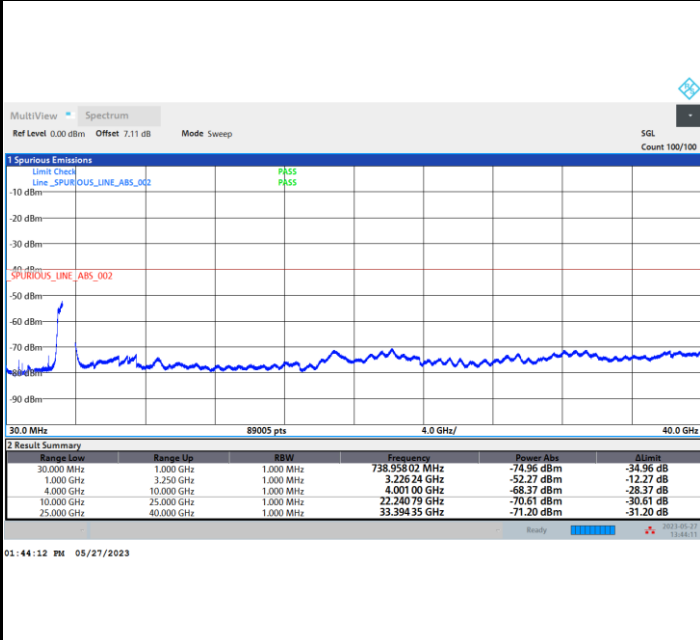


Conducted Spurious Emission

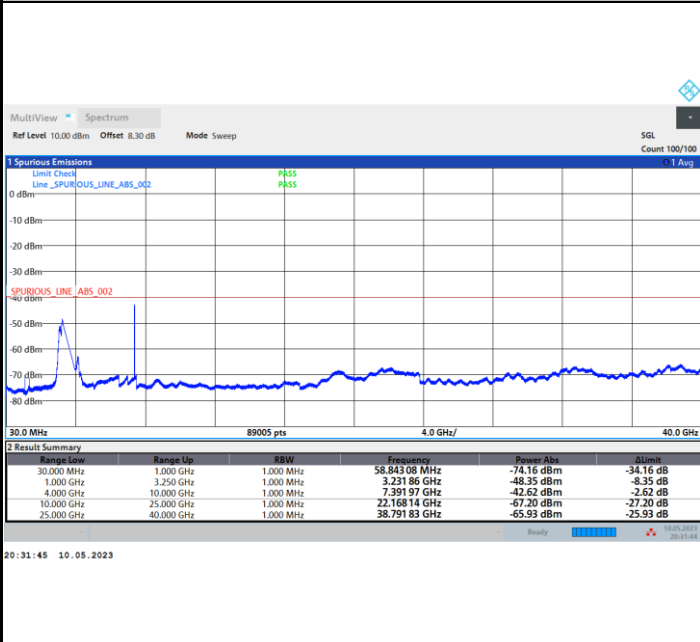
LTE B48 / 10MHz / QPSK / CSE

Lowest Channel

Middle Channel



Highest Channel

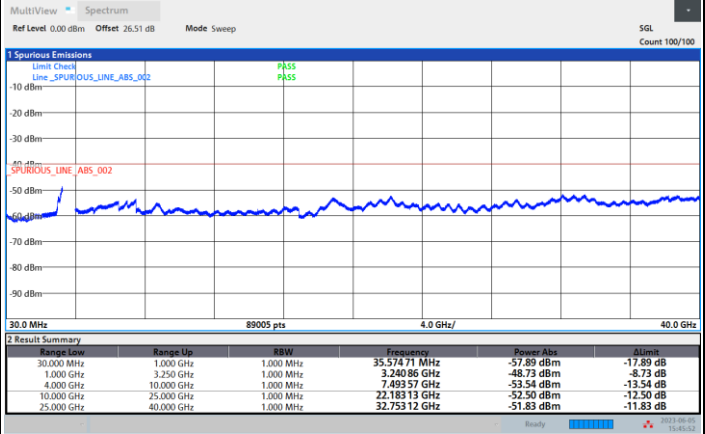
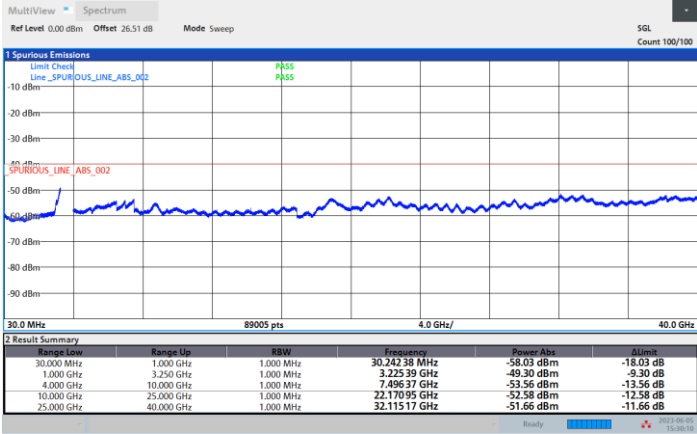




LTE B48 / 10MHz / 16QAM / CSE

Lowest Channel

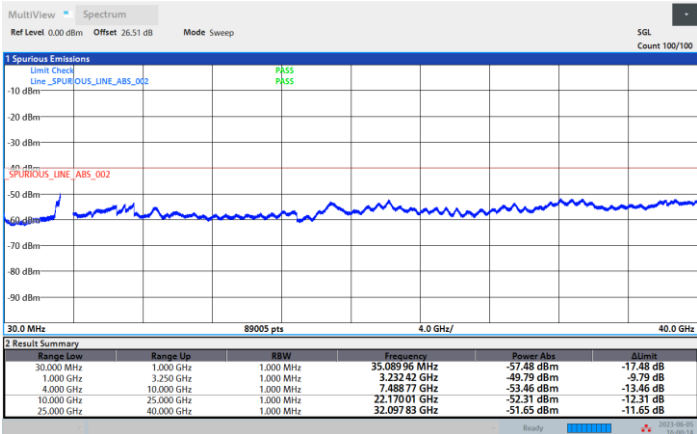
Middle Channel



03:30:11 PM 06/05/2023

03:45:53 PM 06/05/2023

Highest Channel



04:00:15 PM 06/05/2023