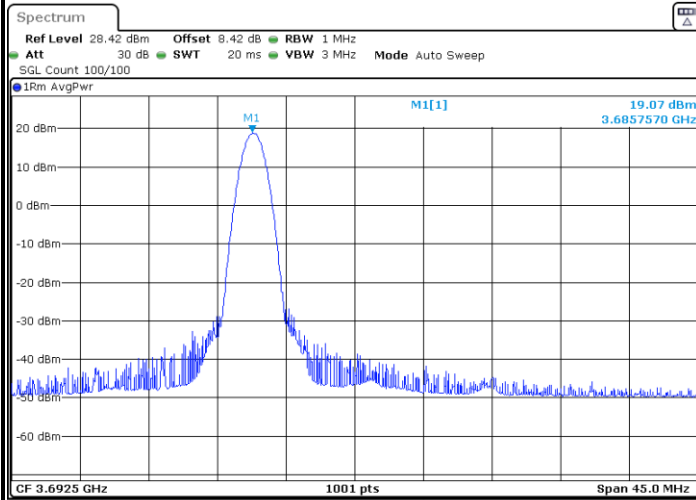




LTE Band 48 / 15MHz

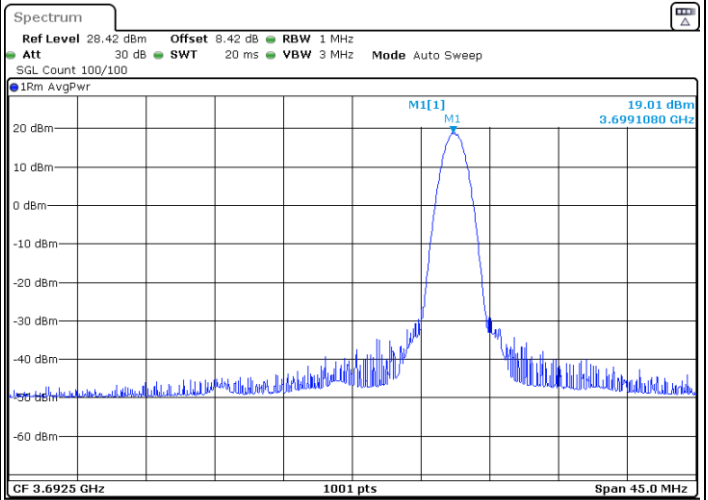
64QAM

Highest Channel / 1RB0



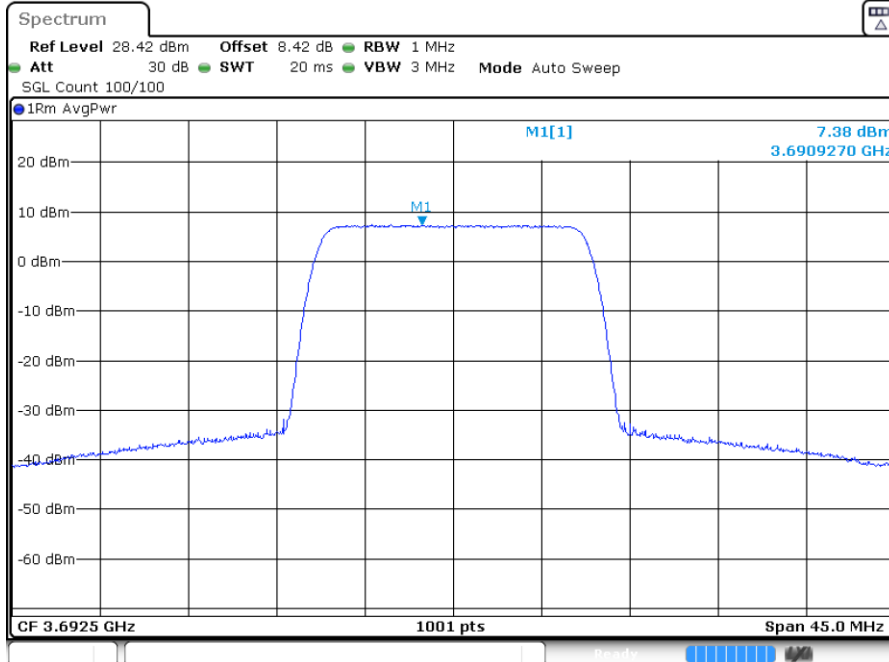
Date: 29 JUN 2023 13:57:05

Highest Channel / 1RBmax



Date: 29 JUN 2023 14:02:47

Highest Channel / Full RB



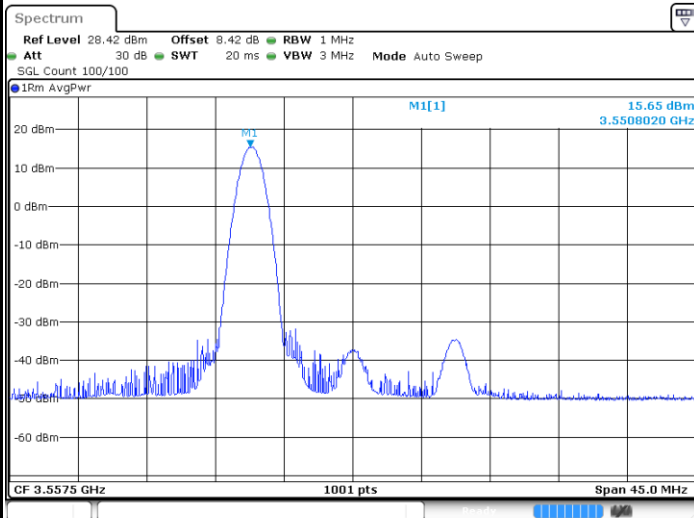
Date: 29 JUN 2023 14:05:20



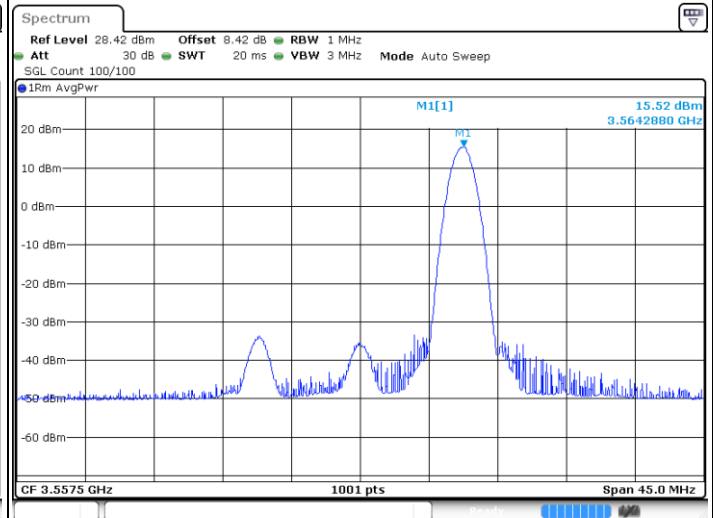
LTE Band 48 / 15MHz

256QAM

Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / Full RB

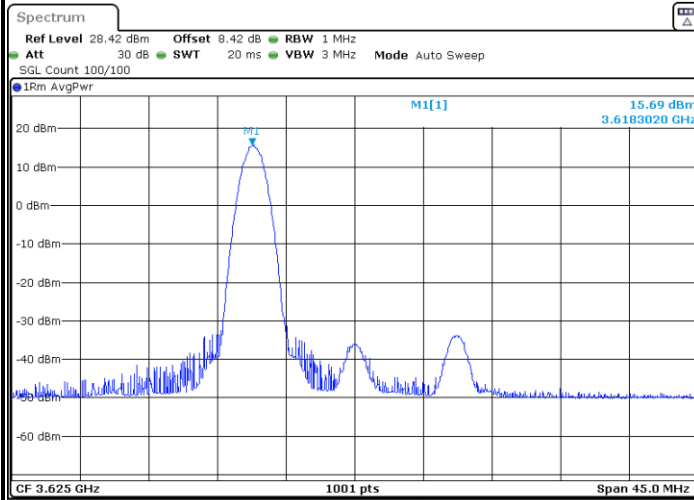




LTE Band 48 / 15MHz

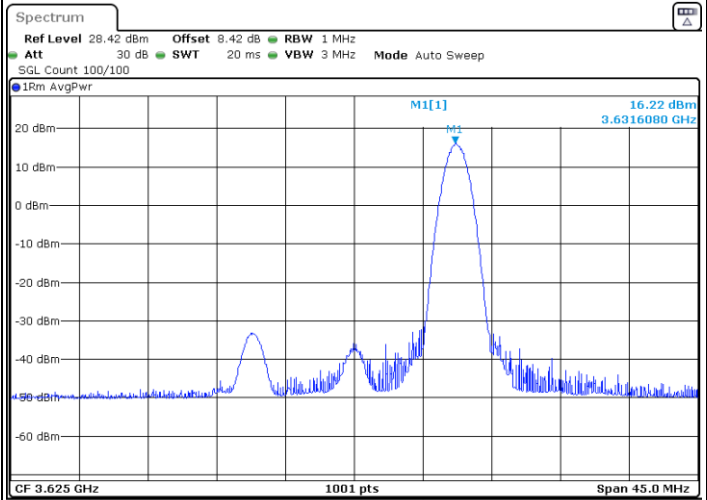
256QAM

Middle Channel / 1RB0



Date: 29 JUN 2023 13:51:34

Middle Channel / 1RBmax



Date: 29 JUN 2023 13:52:04

Middle Channel / Full RB



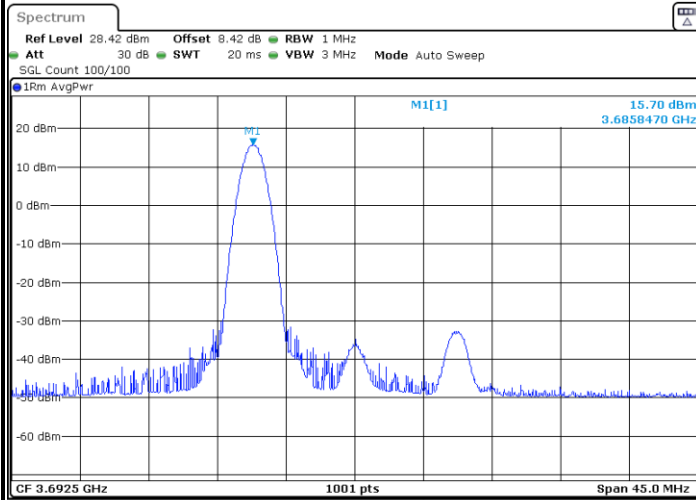
Date: 29 JUN 2023 13:55:33



LTE Band 48 / 15MHz

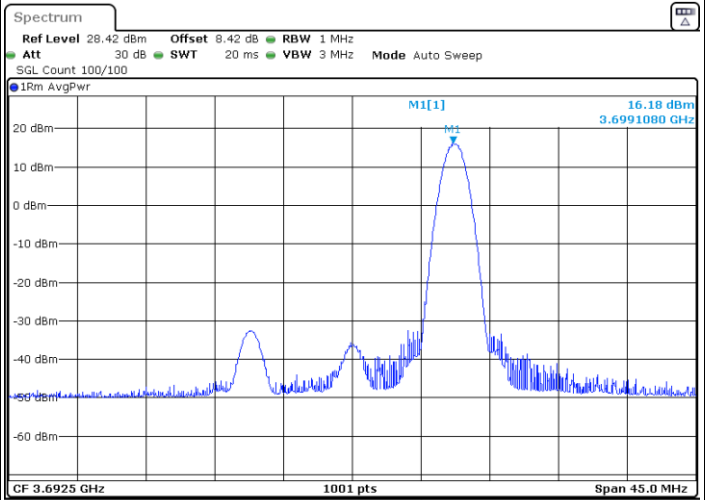
256QAM

Highest Channel / 1RB0



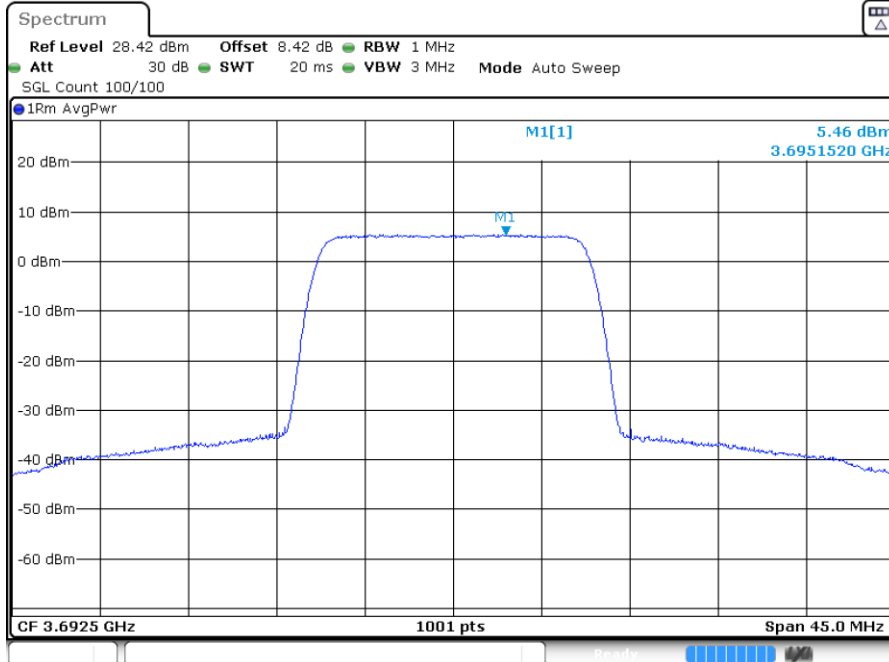
Date: 29 JUN 2023 13:57:35

Highest Channel / 1RBmax



Date: 29 JUN 2023 14:02:17

Highest Channel / Full RB



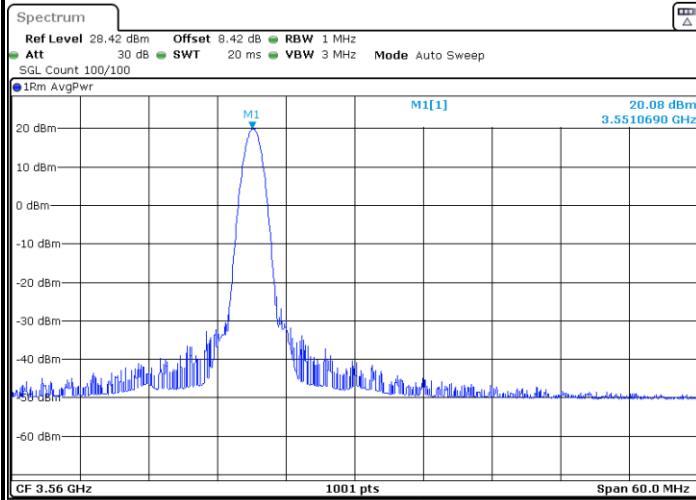
Date: 29 JUN 2023 14:05:50



LTE Band 48 / 20MHz

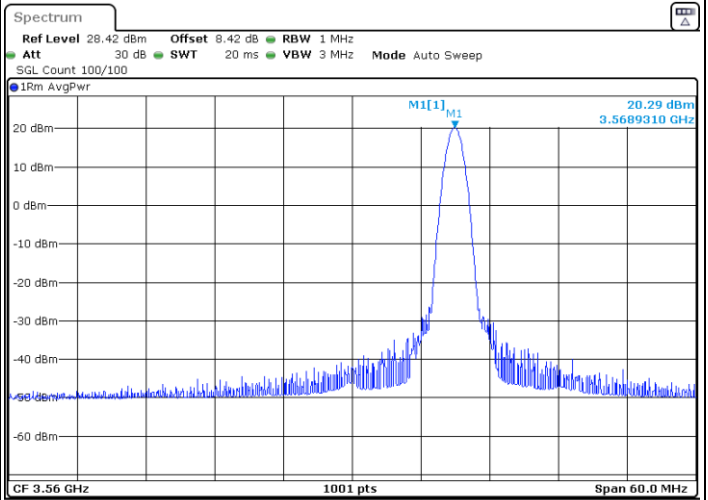
QPSK

Lowest Channel / 1RB0



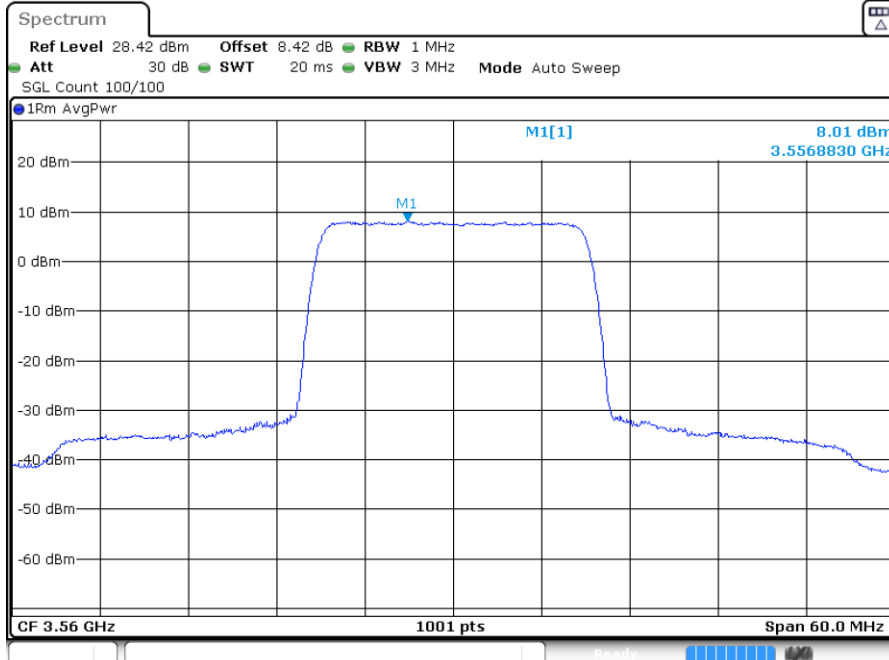
Date: 29 JUN 2023 14:08:14

Lowest Channel / 1RBmax



Date: 29 JUN 2023 14:12:21

Lowest Channel / Full RB



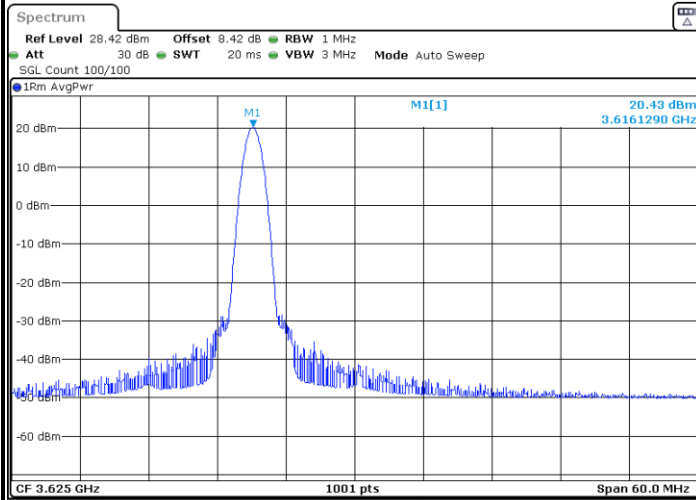
Date: 29 JUN 2023 14:12:51



LTE Band 48 / 20MHz

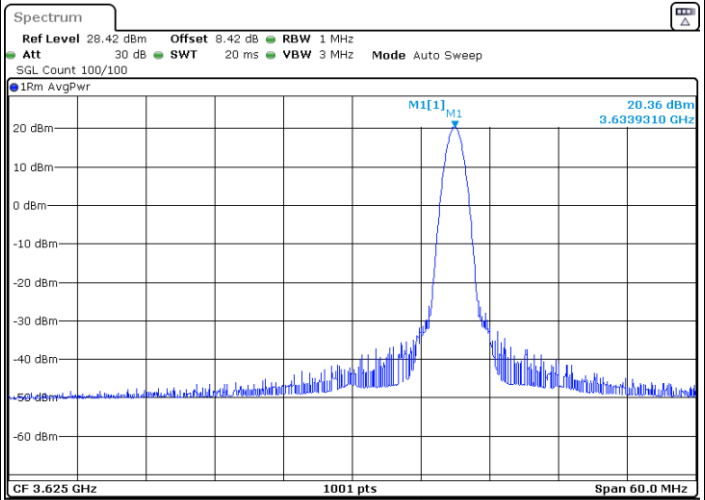
QPSK

Middle Channel / 1RB0



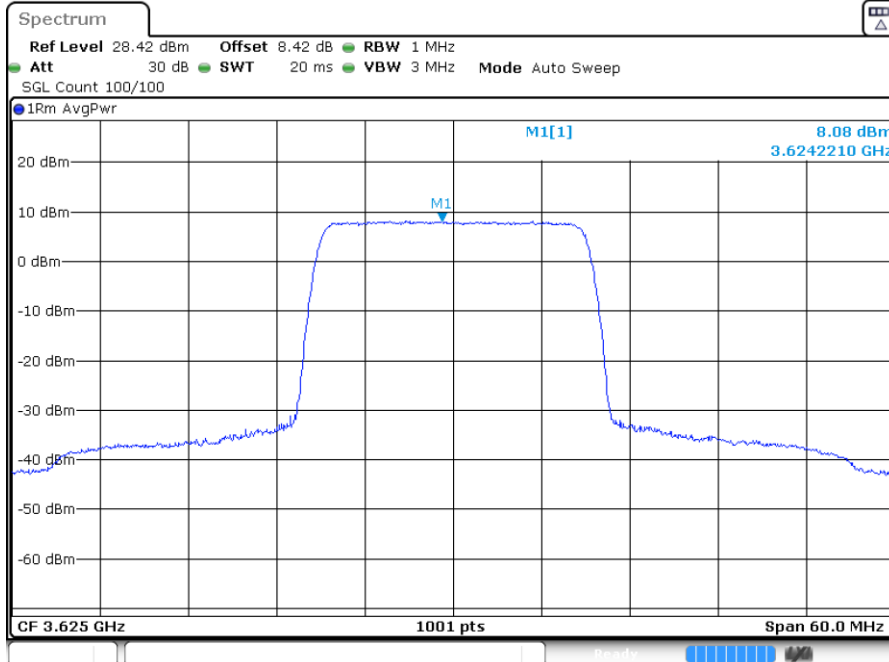
Date: 29 JUN 2023 14:15:19

Middle Channel / 1RBmax



Date: 29 JUN 2023 14:18:49

Middle Channel / Full RB



Date: 29 JUN 2023 14:19:19

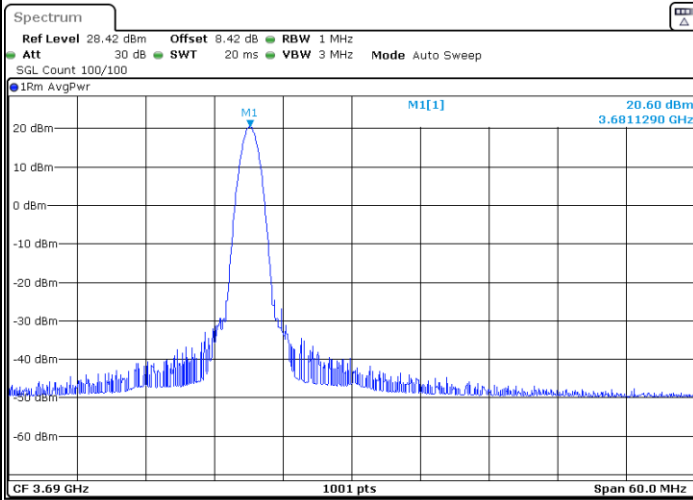


LTE Band 48 / 20MHz

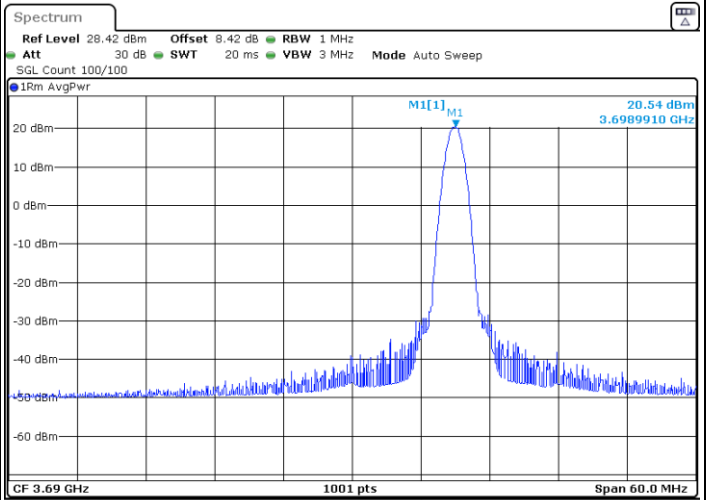
QPSK

Highest Channel / 1RB0

Highest Channel / 1RBmax

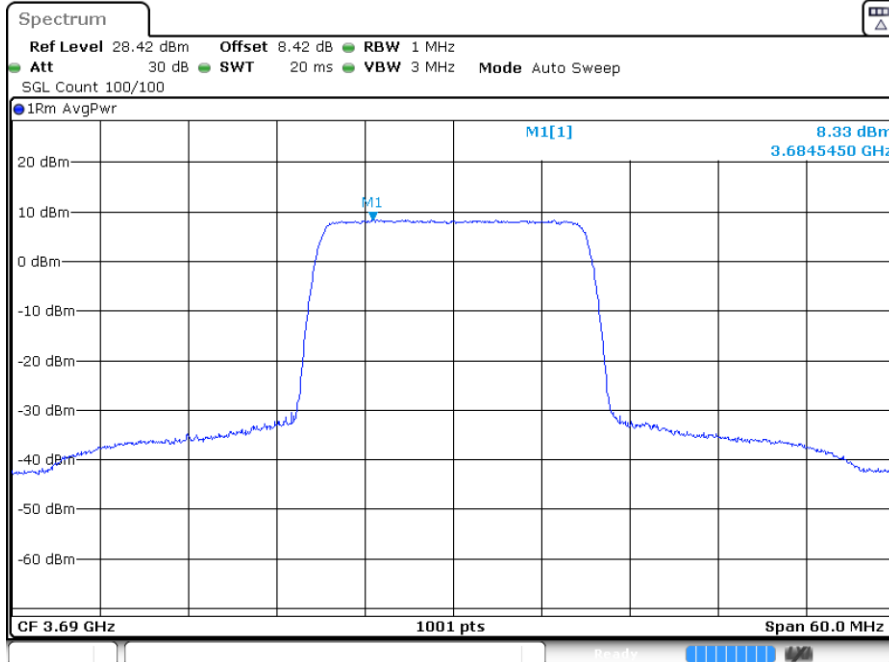


Date: 29 JUN 2023 14:21:20



Date: 29 JUN 2023 14:34:55

Highest Channel / Full RB



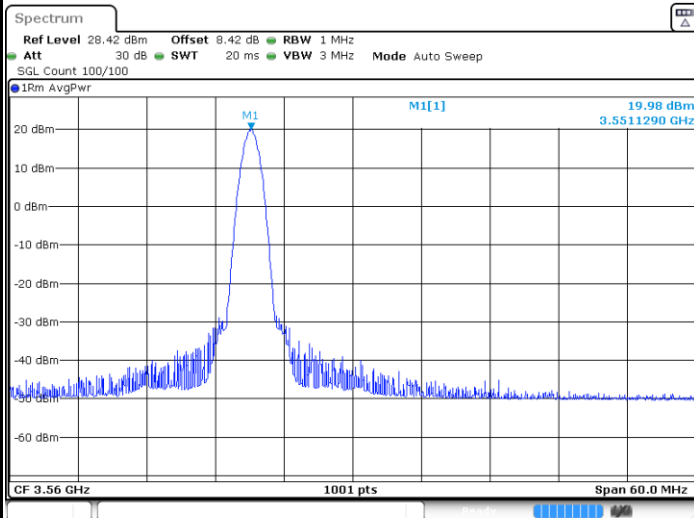
Date: 29 JUN 2023 14:25:27



LTE Band 48 / 20MHz

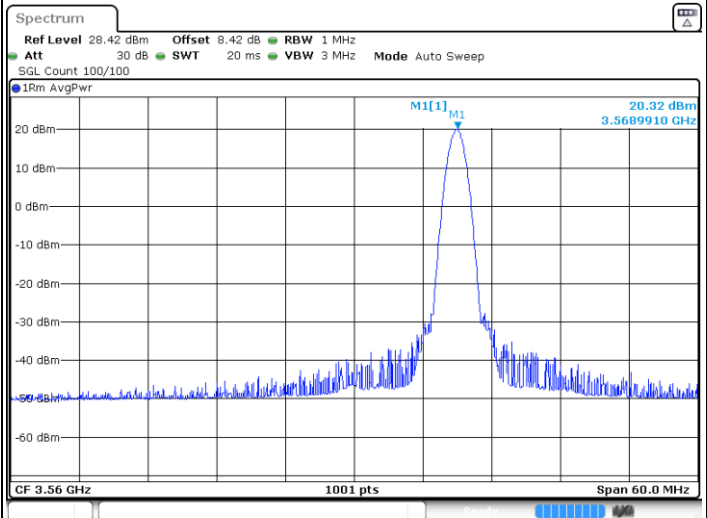
16QAM

Lowest Channel / 1RB0



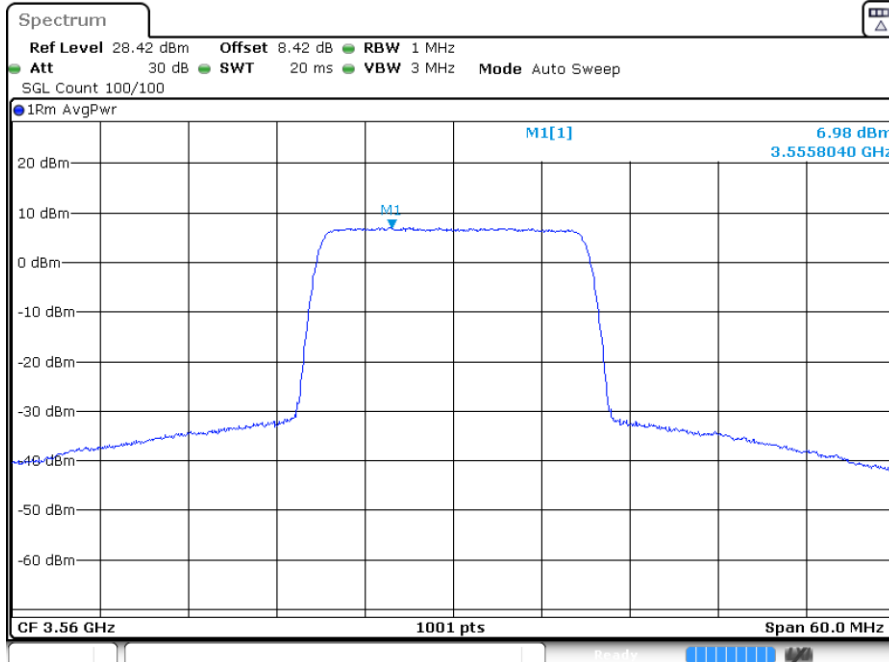
Date: 29 JUN 2023 14:09:13

Lowest Channel / 1RBmax



Date: 29 JUN 2023 14:11:49

Lowest Channel / Full RB



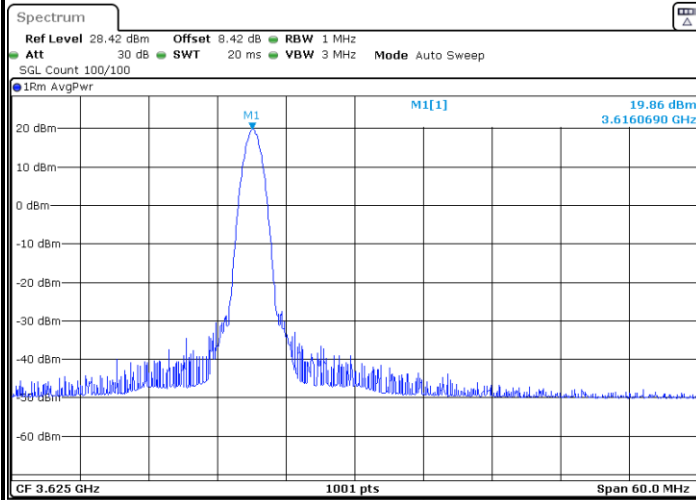
Date: 29 JUN 2023 14:13:22



LTE Band 48 / 20MHz

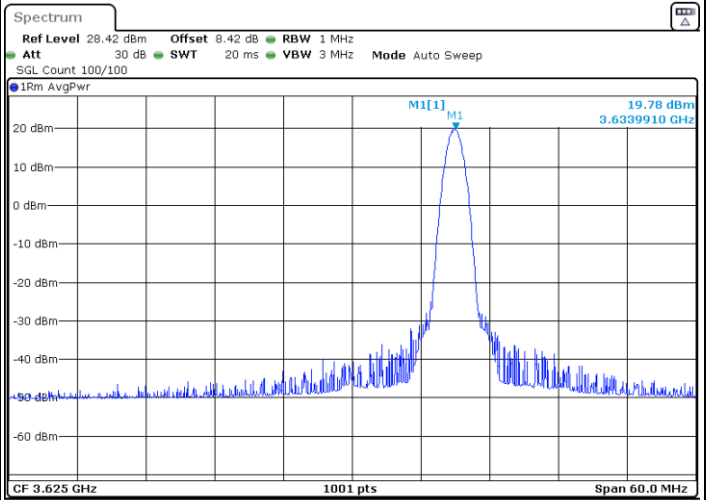
16QAM

Middle Channel / 1RB0



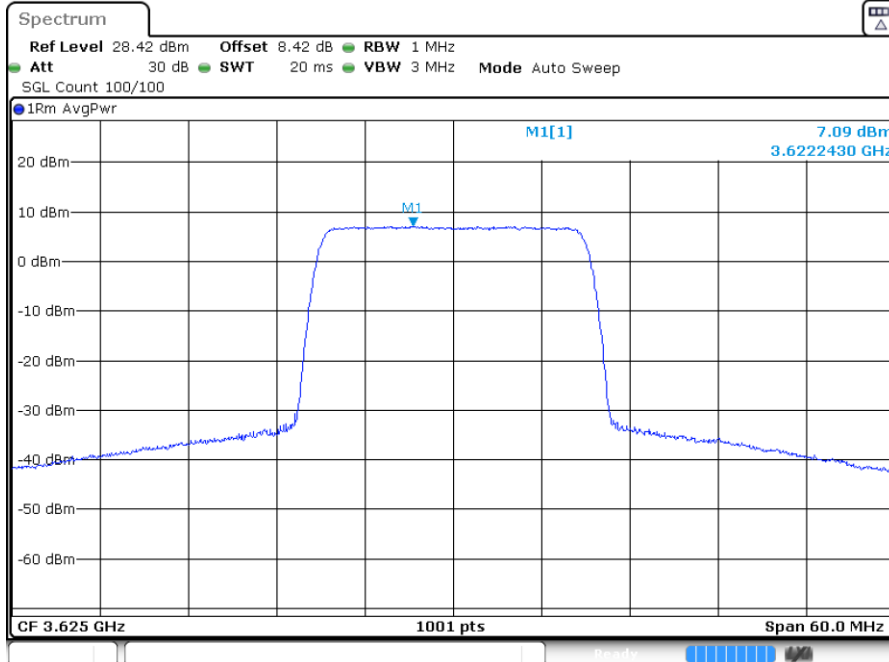
Date: 29 JUN 2023 14:15:49

Middle Channel / 1RBmax



Date: 29 JUN 2023 14:18:19

Middle Channel / Full RB



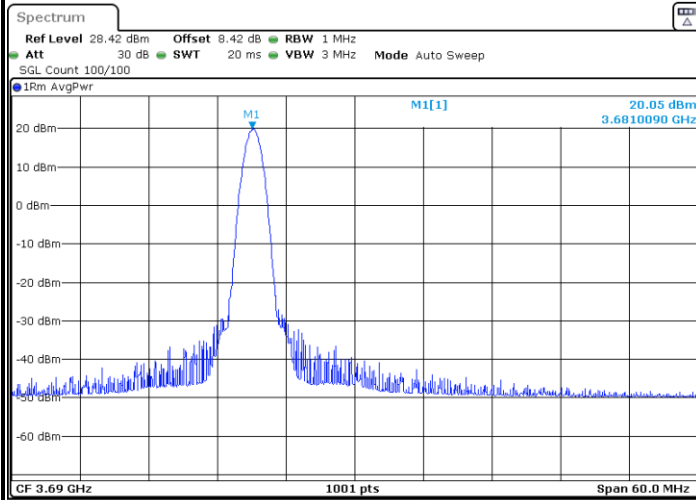
Date: 29 JUN 2023 14:19:49



LTE Band 48 / 20MHz

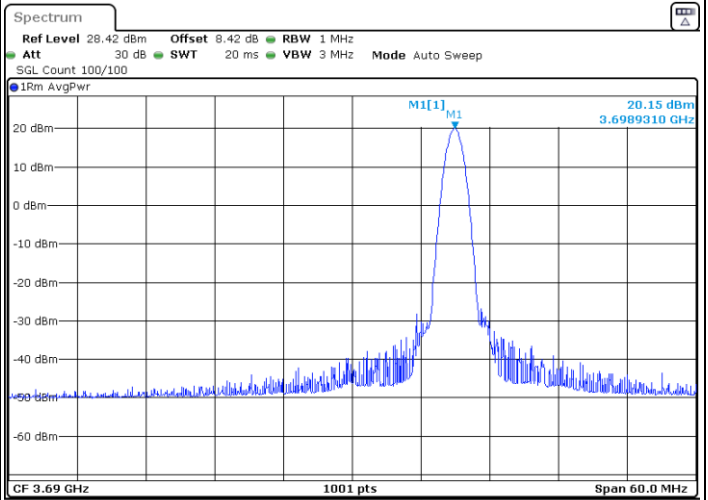
16QAM

Highest Channel / 1RB0



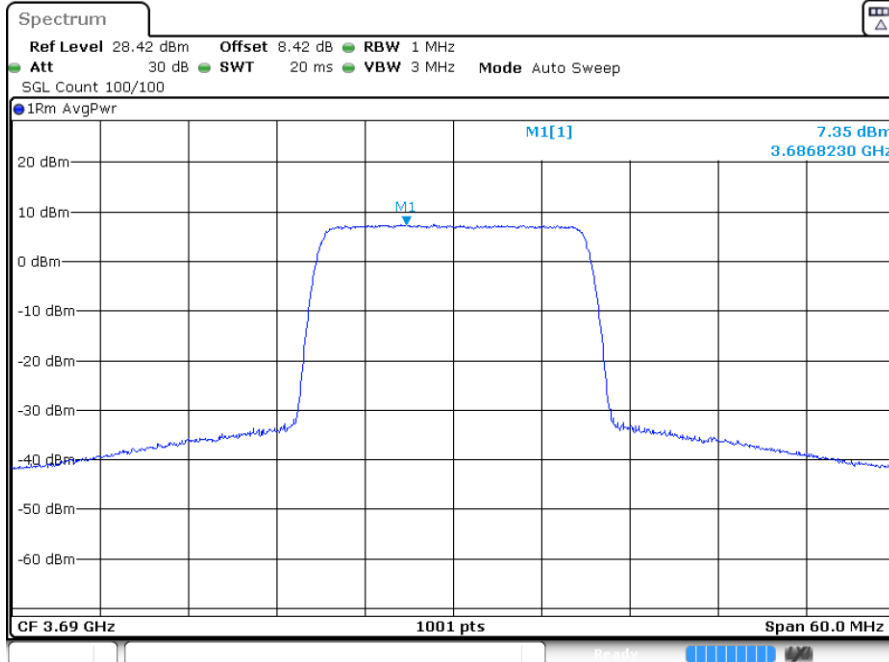
Date: 29 JUN 2023 14:21:50

Highest Channel / 1RBmax



Date: 29 JUN 2023 14:24:26

Highest Channel / Full RB



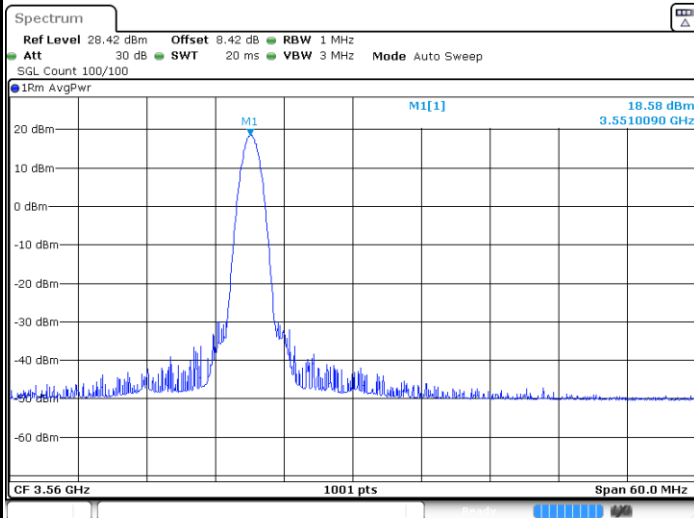
Date: 29 JUN 2023 14:25:58



LTE Band 48 / 20MHz

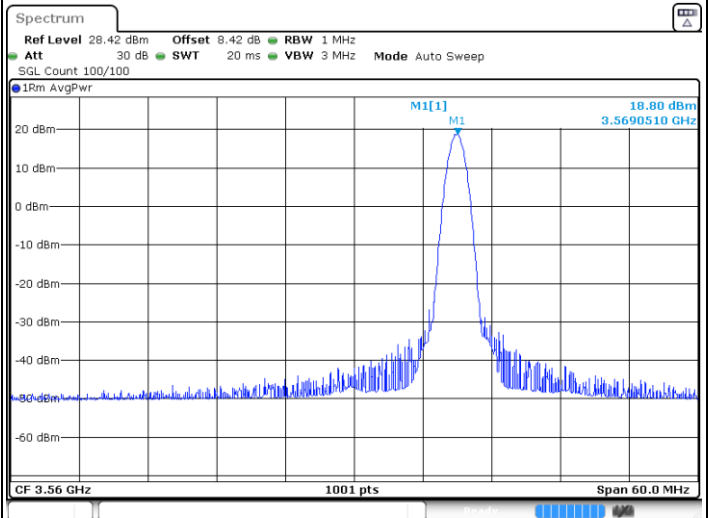
64QAM

Lowest Channel / 1RB0



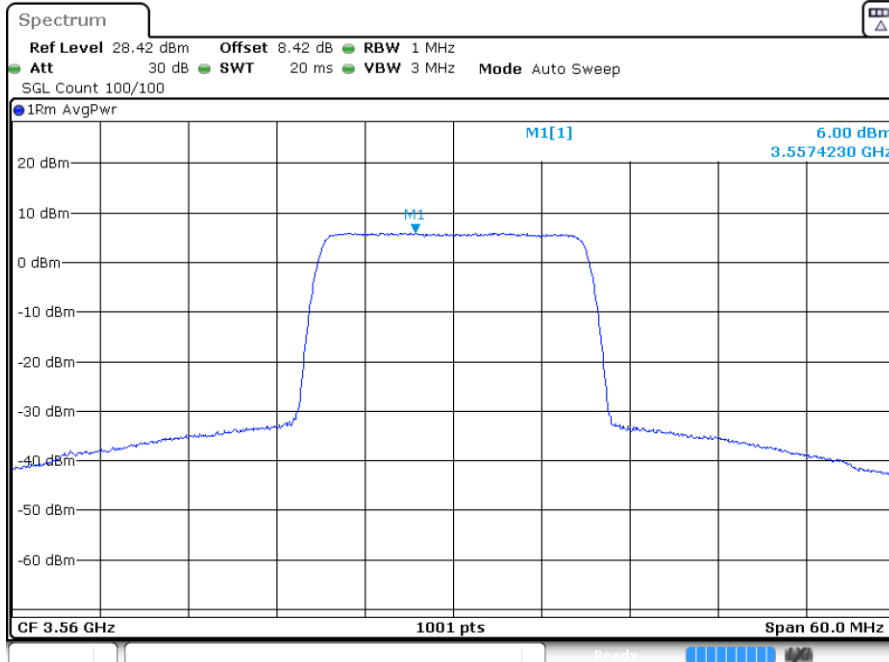
Date: 29 JUN 2023 14:09:44

Lowest Channel / 1RBmax



Date: 29 JUN 2023 14:11:19

Lowest Channel / Full RB



Date: 29 JUN 2023 14:13:53

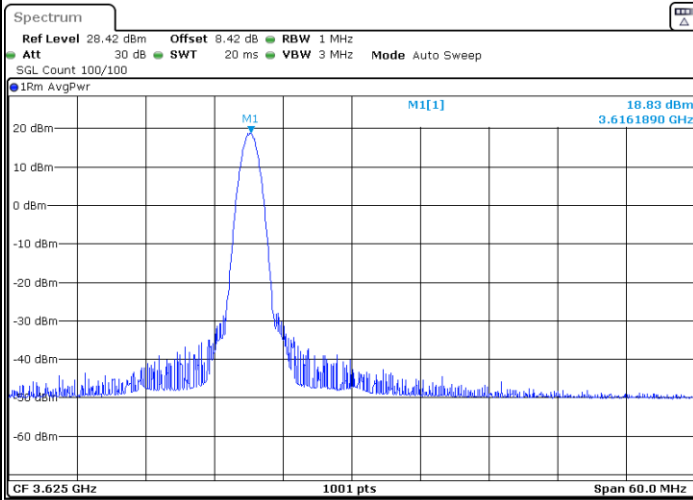


LTE Band 48 / 20MHz

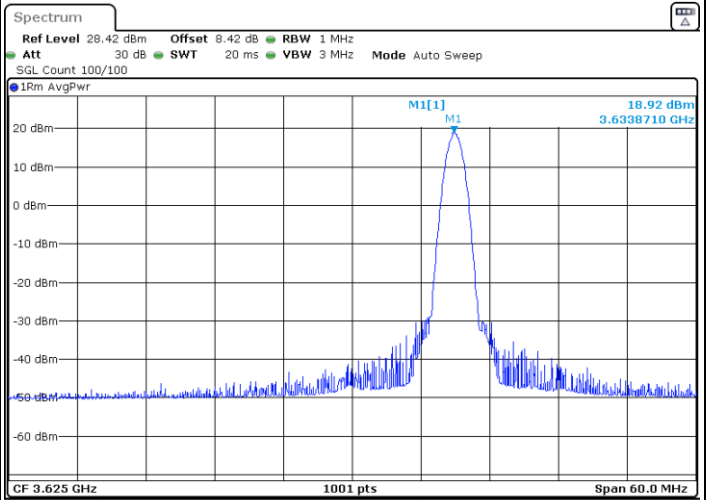
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



Date: 29 JUN 2023 14:16:19



Date: 29 JUN 2023 14:17:49

Middle Channel / Full RB



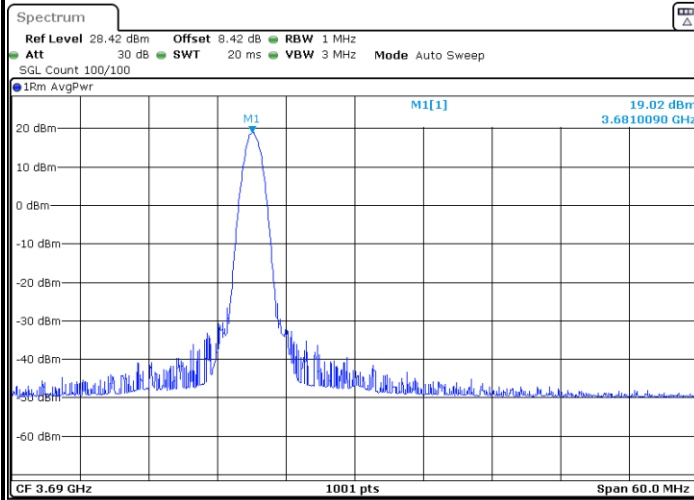
Date: 29 JUN 2023 14:20:19



LTE Band 48 / 20MHz

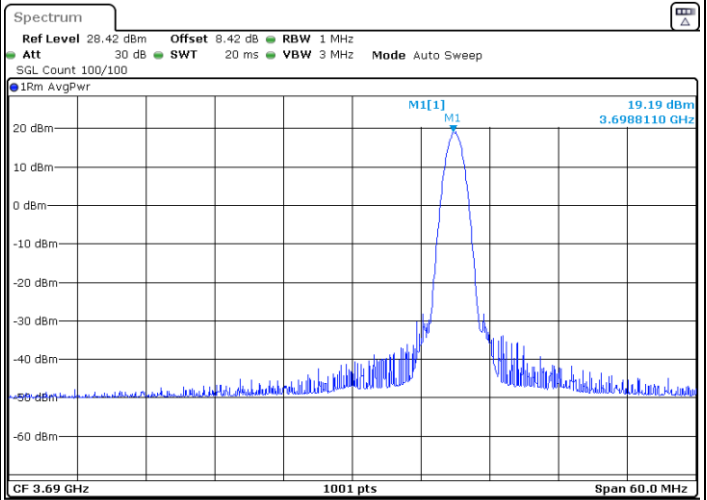
64QAM

Highest Channel / 1RB0



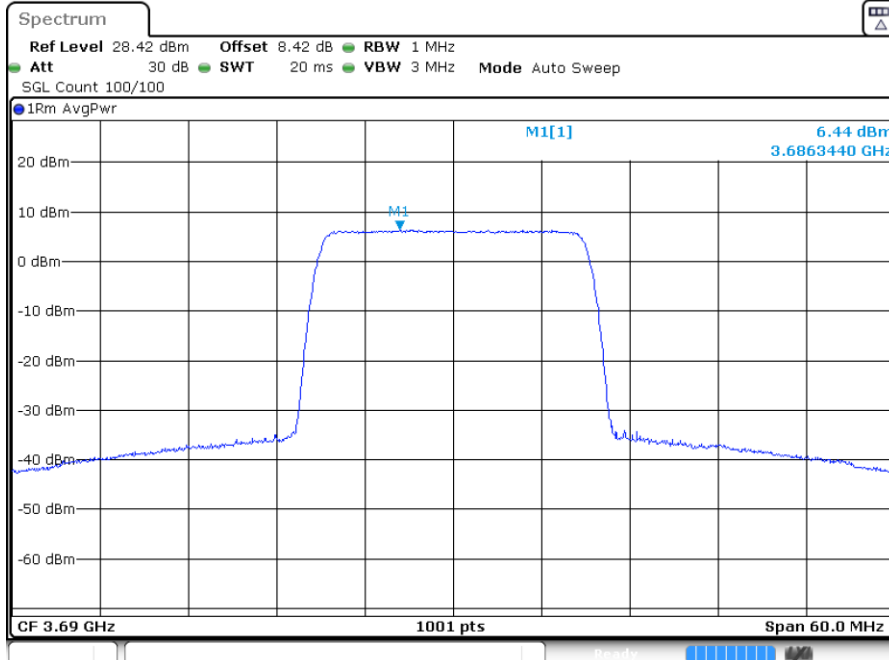
Date: 29 JUN 2023 14:22:21

Highest Channel / 1RBmax



Date: 29 JUN 2023 14:23:55

Highest Channel / Full RB



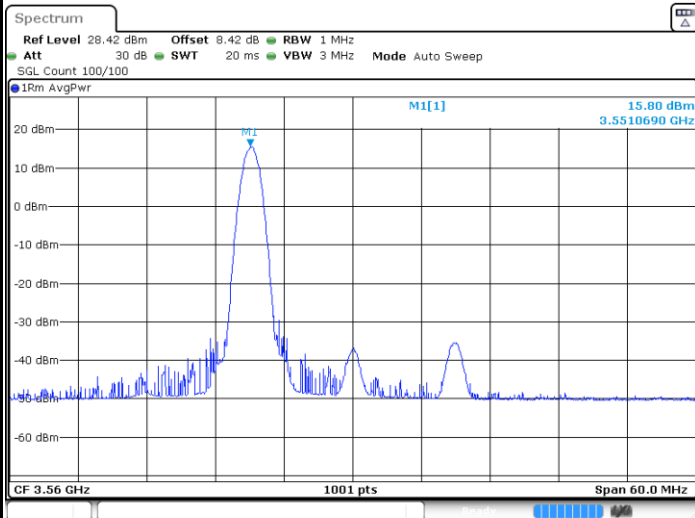
Date: 29 JUN 2023 14:26:29



LTE Band 48 / 20MHz

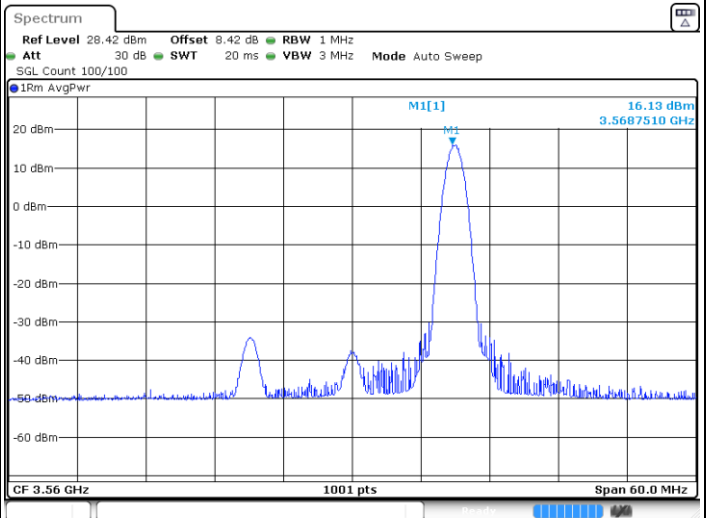
256QAM

Lowest Channel / 1RB0



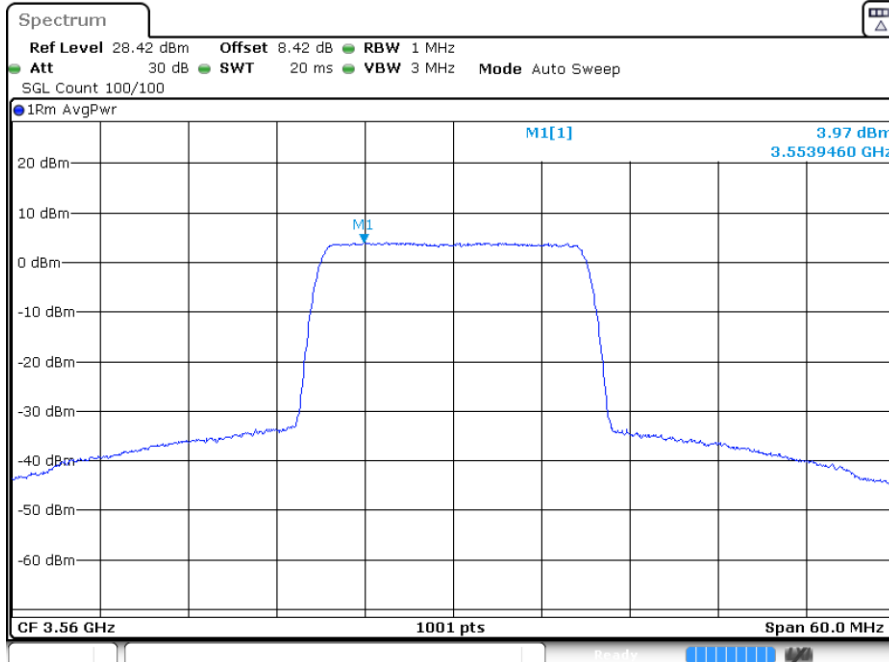
Date: 29 JUN 2023 14:10:15

Lowest Channel / 1RBmax



Date: 29 JUN 2023 14:36:50

Lowest Channel / Full RB



Date: 29 JUN 2023 14:14:24

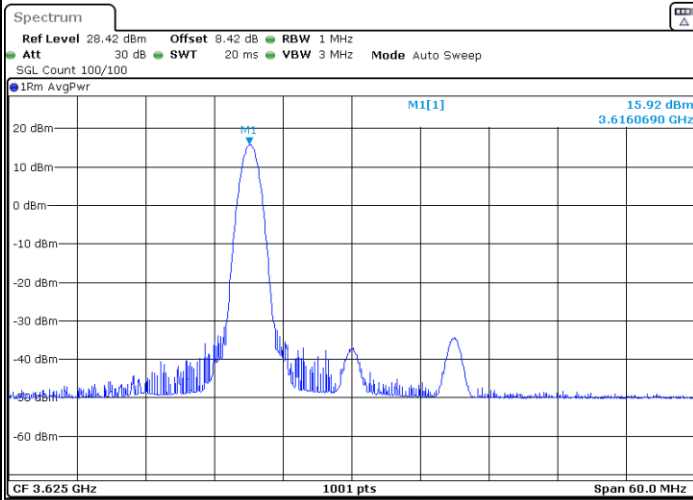


LTE Band 48 / 20MHz

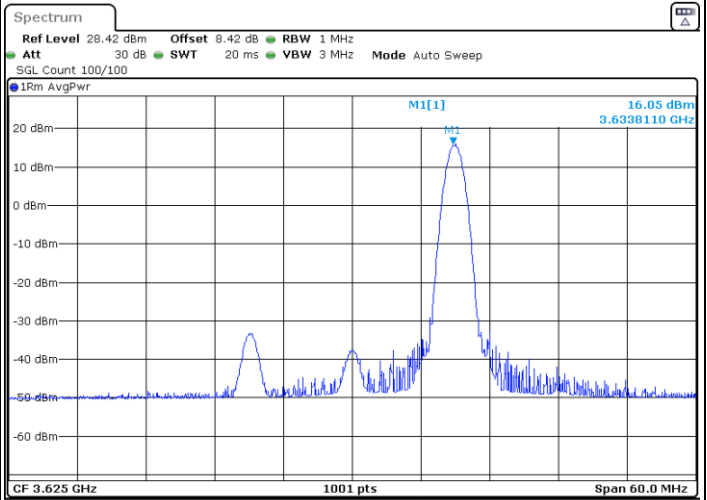
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

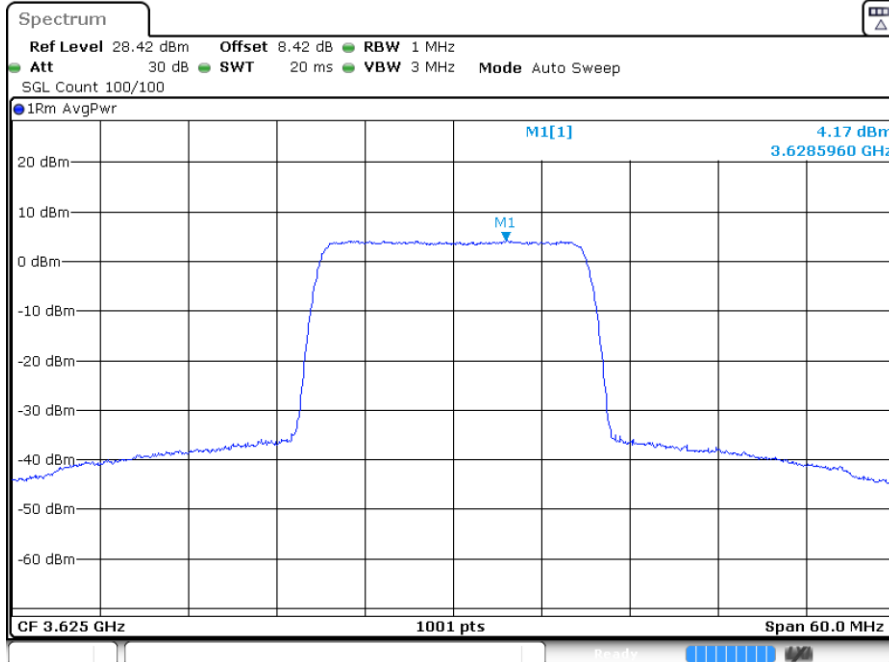


Date: 29 JUN 2023 14:16:49



Date: 29 JUN 2023 14:17:19

Middle Channel / Full RB



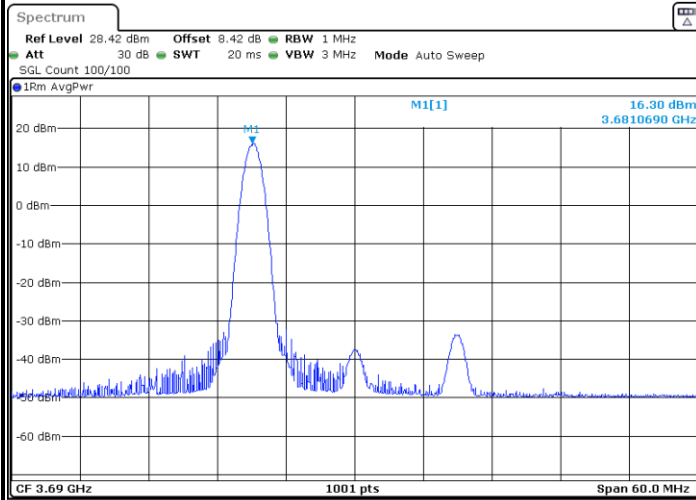
Date: 29 JUN 2023 14:20:49



LTE Band 48 / 20MHz

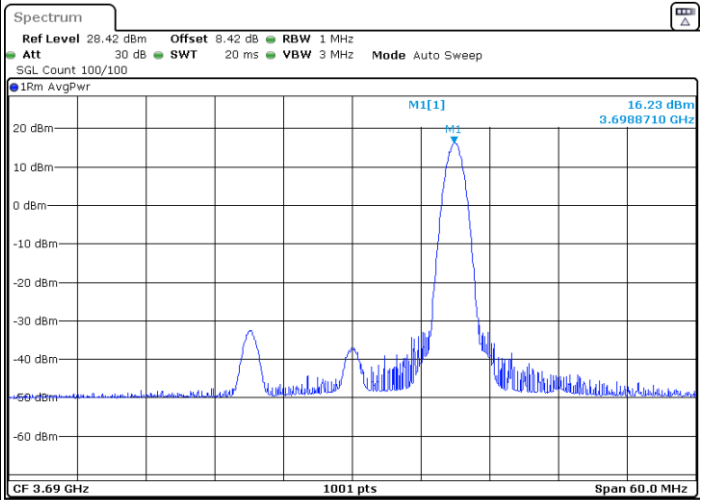
256QAM

Highest Channel / 1RB0



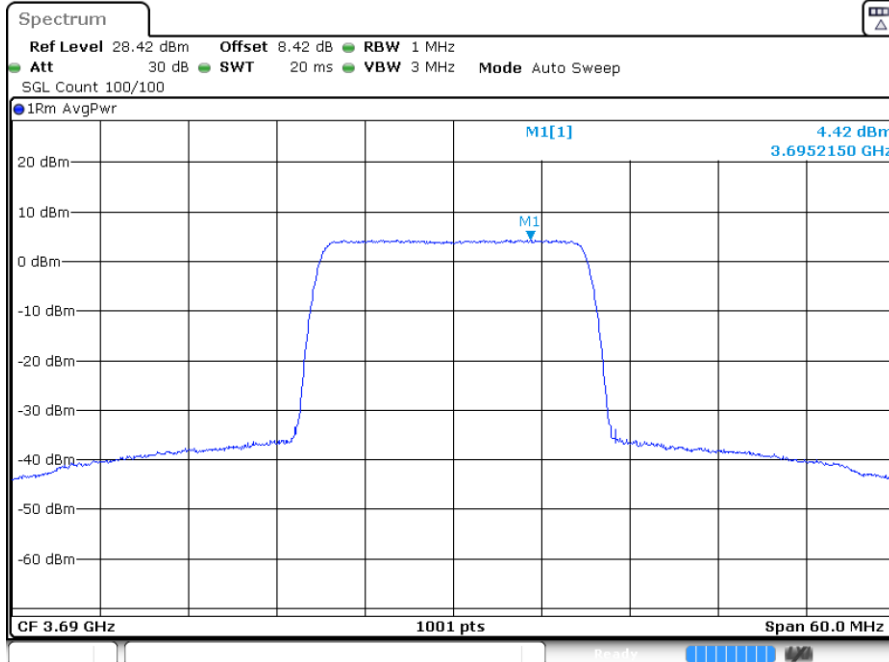
Date: 29 JUN 2023 14:22:52

Highest Channel / 1RBmax



Date: 29 JUN 2023 14:36:00

Highest Channel / Full RB



Date: 29 JUN 2023 14:26:59



LTE Band 48C

EIRP Power Density

Full RB0

Mode	LTE Band 48C : EIRP Power Density (dBm/1MHz)											
BW	5MHz+20MHz				10M+20M				15M+20M			
Mod.	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q
Lowest CH	20.18	20.07	19.89	20.01	17.25	17	17.14	17.11	15.26	15.61	15.27	15.25
Middle CH	28.38	27.53	27.28	25.34	25.62	24.62	24.7	22.67	23.88	22.87	22.81	20.92
Highest CH	20.92	20.69	20.62	20.57	17.81	17.93	17.63	17.77	16.09	16.15	15.87	16.01
BW	20M+5M				20M+10M				20M+15M			
Mod.	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q
Lowest CH	19.08	19.27	19.1	18.93	16.25	16.26	16.15	16.05	14.53	14.49	14.49	14.55
Middle CH	27.5	26.34	26.47	24.34	24.38	23.23	23.25	21.38	22.76	21.62	21.72	19.81
Highest CH	19.5	19.62	19.58	19.49	16.89	16.89	16.9	16.62	15.04	15.06	15.05	15.04
BW	20M+20M											
Mod.	QPSK	16QAM	64QAM	256Q								
Lowest CH	14.23	14.19	13.94	14.25								
Middle CH	22.62	21.69	21.5	19.66								
Highest CH	14.72	14.73	14.93	14.76								
Limit	37dBm /1MHz											
Gain	16.32											
Result	Pass											

**1RBMAX1RB0**

Mode	LTE Band 48C : EIRP Power Density (dBm/1MHz)											
BW	5MHz+20MHz				10MHz+20MHz				15MHz+20MHz			
Mod.	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q
Lowest CH	16.18	15.95	16.42	16.08	15.14	15.04	14.94	15.08	14.61	14.69	14.65	14.81
Middle CH	16.87	17.09	16.86	17.07	15.28	15.74	15.74	15.81	15.38	15.61	15.54	15.31
Highest CH	17.03	17.15	17.03	16.75	15.63	15.96	15.43	16.13	15.59	15.5	15.91	15.71
BW	20M+5M				20M+10M				20M+15M			
Mod.	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q
Lowest CH	16.42	16.55	16.33	16.53	15.24	15.16	15.39	15.01	14.84	14.79	14.89	14.71
Middle CH	16.74	16.65	16.61	16.71	15.4	15.91	15.19	15.57	15.16	15.34	14.85	15.54
Highest CH	17	16.91	17.08	17.26	15.52	15.76	15.59	15.9	15.47	15.38	15.71	15.85
BW	20M+20M											
Mod.	QPSK	16QAM	64QAM	256Q								
Lowest CH	14.86	14.66	14.83	15.35								
Middle CH	15.13	14.99	15.4	15.54								
Highest CH	15.32	15.69	15.55	15.67								
Limit	37dBm /1MHz											
Gain	16.32											
Result	Pass											

**1RB01RBMAX**

Mode	LTE Band 48C : EIRP Power Density (dBm/1MHz)											
BW	5MHz+20MHz				10MHz+20MHz				15MHz+20MHz			
Mod.	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q
Lowest CH	15.21	15.26	15	15.25	15.18	15.14	15.17	15.47	15.07	15.19	15.36	15.3
Middle CH	15.78	15.58	15.57	16.12	15.28	15.5	15.42	15.59	15.75	15.52	15.39	15.56
Highest CH	15.54	15.73	15.85	15.78	15.55	15.63	16.14	15.46	15.38	15.69	15.7	15.27
BW	20M+5M				20M+10M				20M+15M			
Mod.	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q
Lowest CH	15.16	15.12	15.17	14.83	15.05	15.18	15.24	15.46	15.45	15.12	14.94	15.05
Middle CH	15.25	15.64	15.59	15.9	15.5	15.62	15.56	15.65	15.23	16.04	15.42	15.77
Highest CH	15.67	15.97	15.72	16.05	15.41	15.57	15.58	15.62	15.57	15.56	15.5	15.47
BW	20M+20M											
Mod.	QPSK	16QAM	64QAM	256Q								
Lowest CH	14.81	14.77	15.35	15.3								
Middle CH	15.5	15.84	15.68	15.68								
Highest CH	15.45	15.79	15.13	15.35								
Limit	37dBm /1MHz											
Gain	16.32											
Result	Pass											



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

LTE Band 48 / 20MHz / QPSK (Ant. 0)								
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	7236	-62.97	-40	-22.97	-74.43	2.84	14.30	H
	10848	-60.46	-40	-20.46	-70.40	3.49	13.43	H
	14460	-59.03	-40	-19.03	-69.27	3.85	14.09	H
	7236	-60.14	-40	-20.14	-71.60	2.84	14.30	V
	10848	-60.09	-40	-20.09	-70.03	3.49	13.43	V
	14460	-59.28	-40	-19.28	-69.52	3.85	14.09	V

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

LTE Band 48C CA / 20MHz+20MHz / QPSK for 1RB0 (Ant. 0)								
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	7182	-63.38	-40	-23.38	-74.84	2.84	14.30	H
	10776	-60.73	-40	-20.73	-70.67	3.49	13.43	H
	14364	-60.11	-40	-20.11	-70.35	3.85	14.09	H
	7182	-63.35	-40	-23.35	-74.81	2.84	14.30	V
	10776	-60.71	-40	-20.71	-70.65	3.49	13.43	V
	14364	-59.80	-40	-19.80	-70.04	3.85	14.09	V

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

LTE Band 48C CA / 20MHz+20MHz / QPSK for 1RBmax (Ant. 0)								
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	7218	-62.74	-40	-22.74	-74.20	2.84	14.30	H
	10824	-60.48	-40	-20.48	-70.42	3.49	13.43	H
	14436	-59.36	-40	-19.36	-69.60	3.85	14.09	H
	7218	-62.56	-40	-22.56	-74.02	2.84	14.30	V
	10824	-61.03	-40	-21.03	-70.97	3.49	13.43	V
	14436	-59.13	-40	-19.13	-69.37	3.85	14.09	V

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