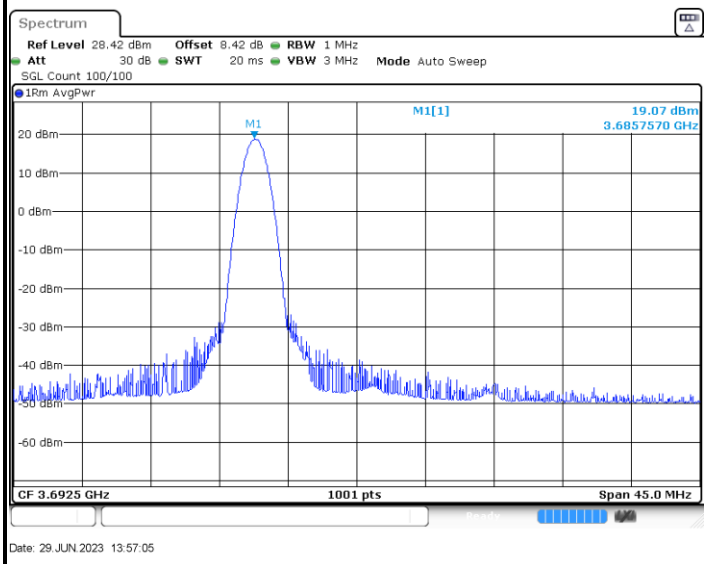
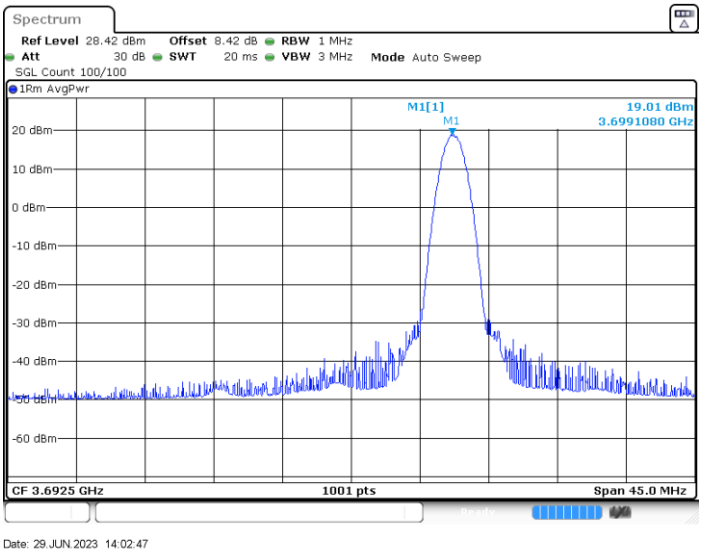
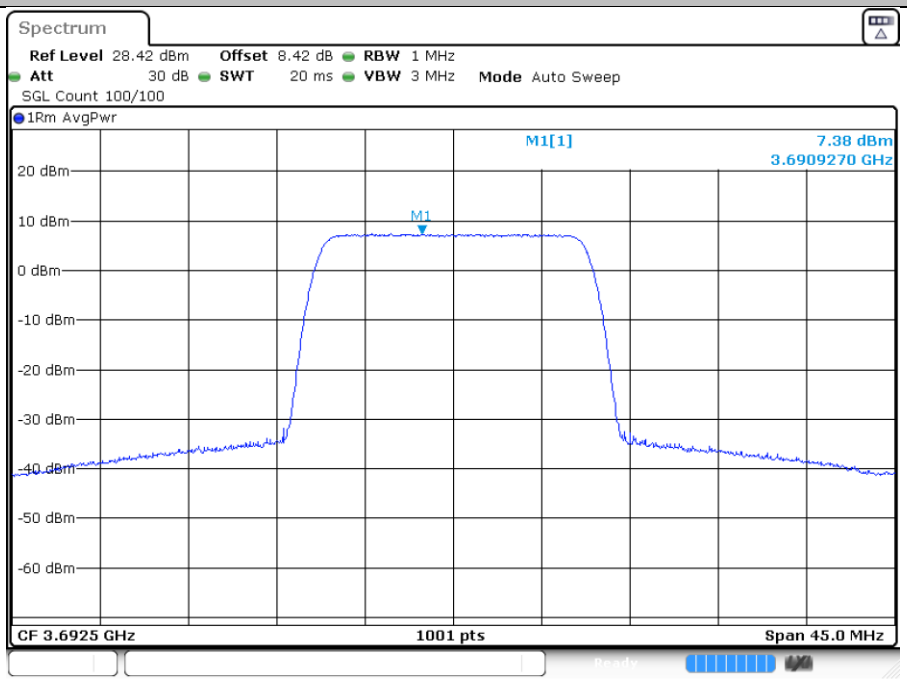
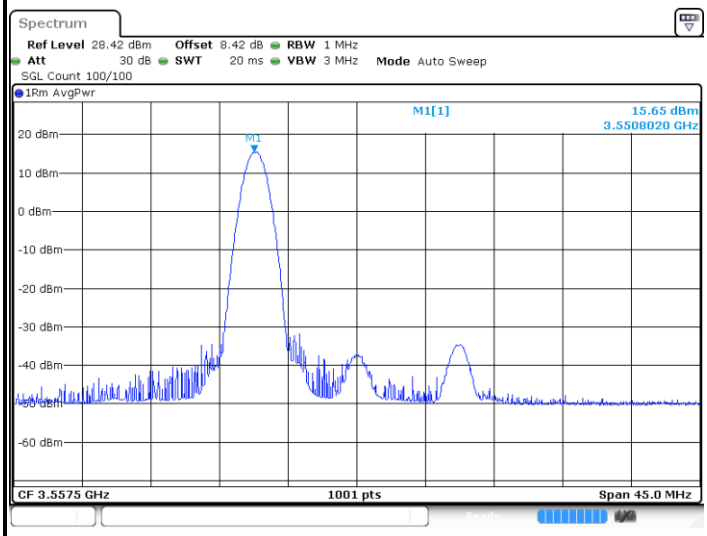
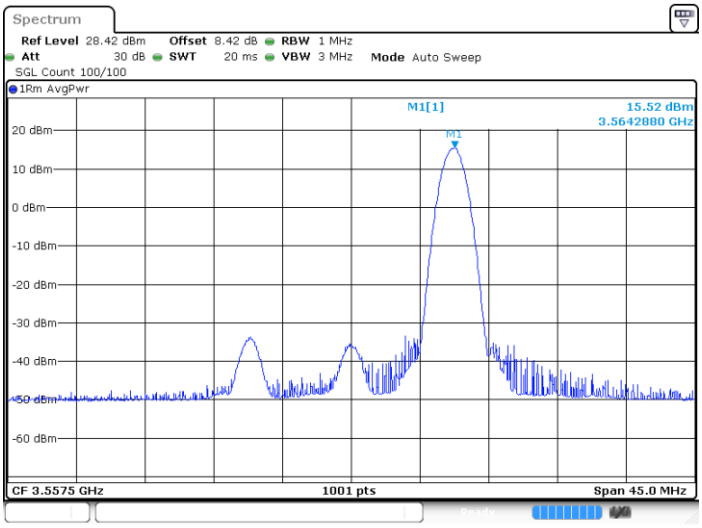
LTE Band 48 / 15MHz	
64QAM	
Highest Channel / 1RB0	Highest Channel / 1RBmax
	
Highest Channel / Full RB	
	

LTE Band 48 / 15MHz	
256QAM	
Lowest Channel / 1RB0	Lowest Channel / 1RBmax



Date: 27.JUN.2023 13:12:14

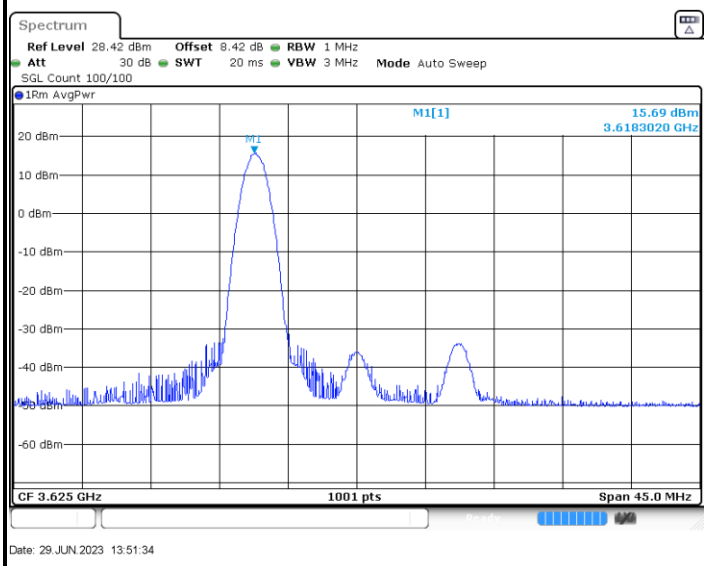


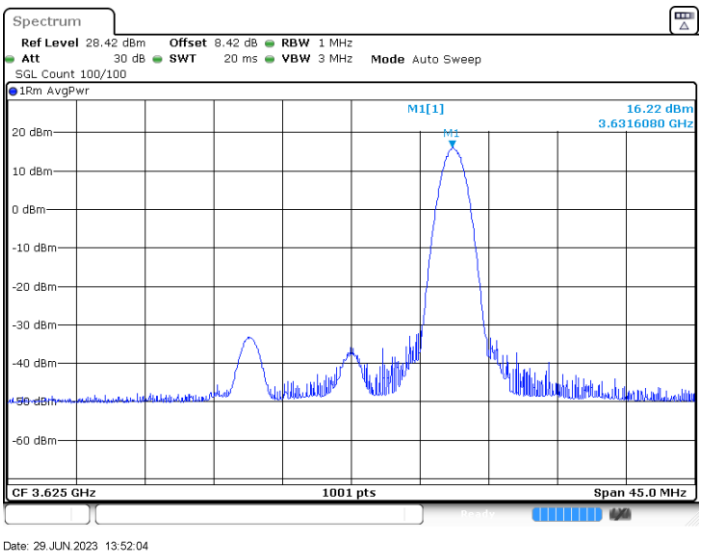
Date: 27.JUN.2023 13:14:19

Lowest Channel / Full RB

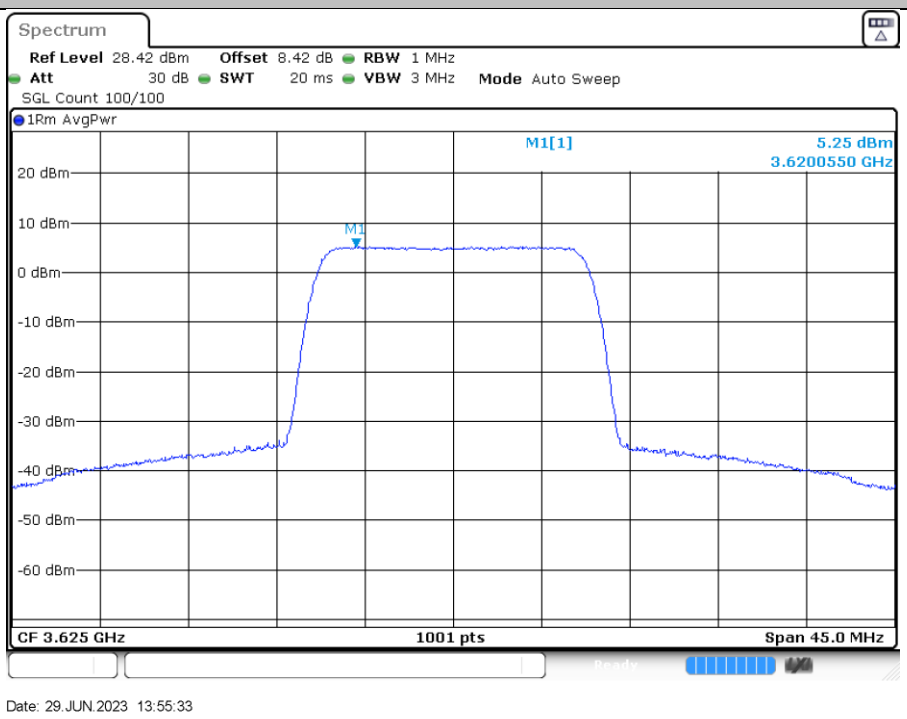
Date: 27.JUN.2023 13:14:53

LTE Band 48 / 15MHz	
256QAM	
Middle Channel / 1RB0	Middle Channel / 1RBmax

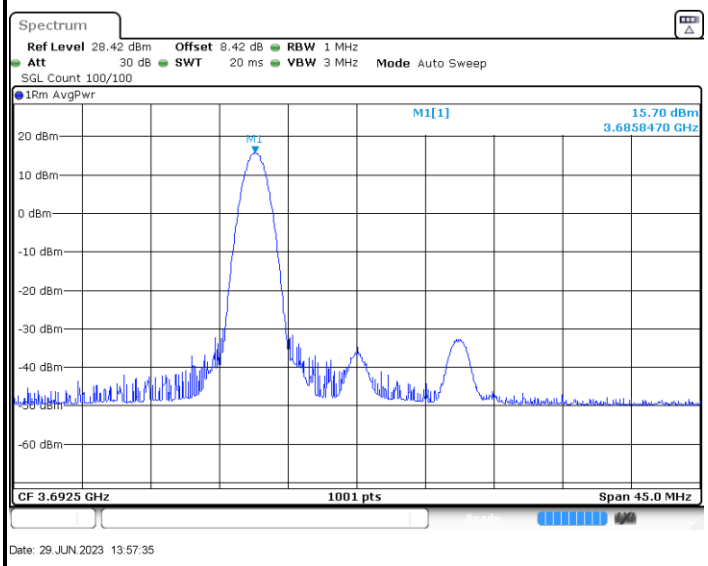


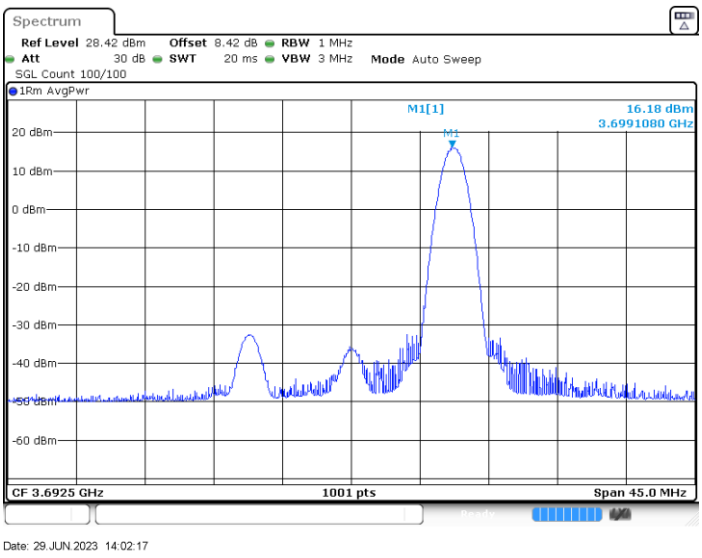


Middle Channel / Full RB

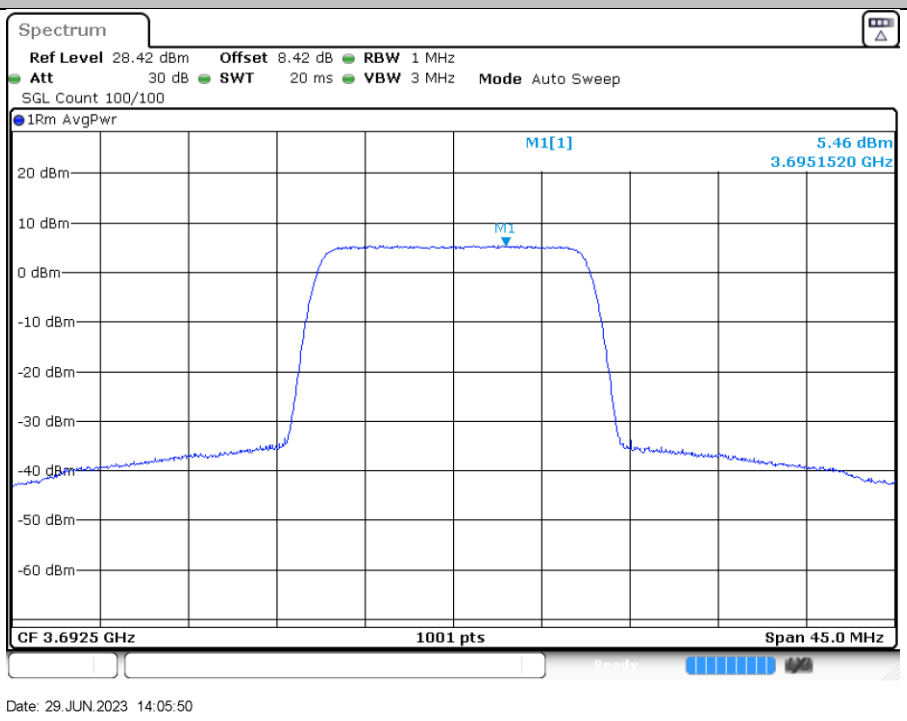


LTE Band 48 / 15MHz	
256QAM	
Highest Channel / 1RB0	Highest Channel / 1RBmax

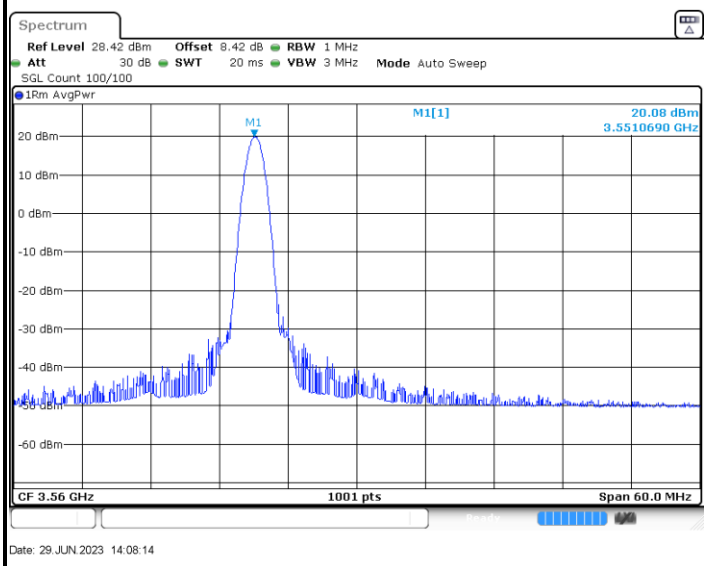


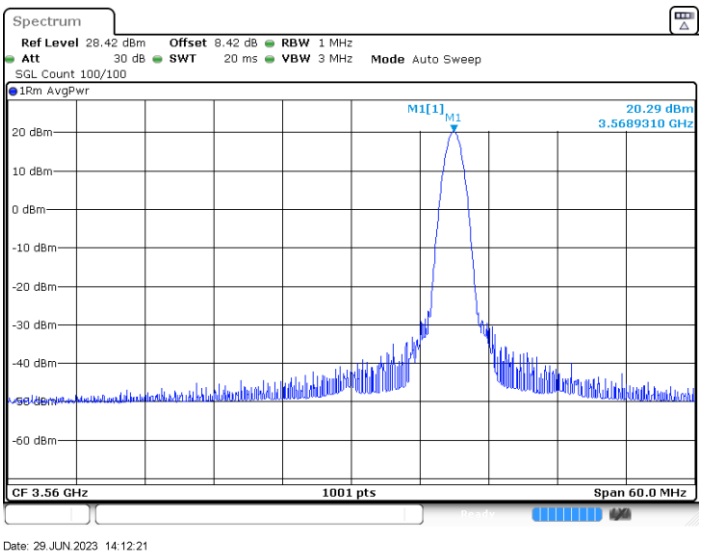


Highest Channel / Full RB

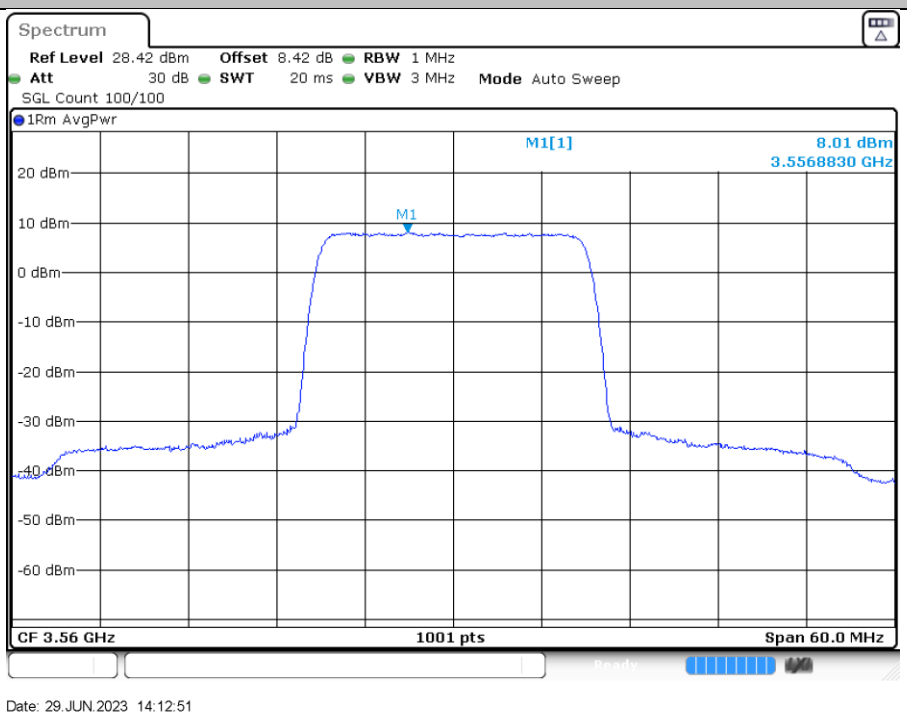


LTE Band 48 / 20MHz	
QPSK	
Lowest Channel / 1RB0	Lowest Channel / 1RBmax

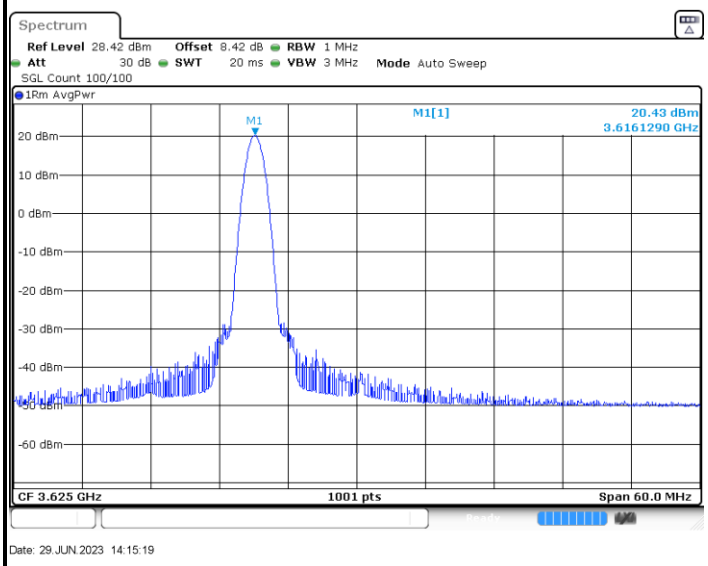




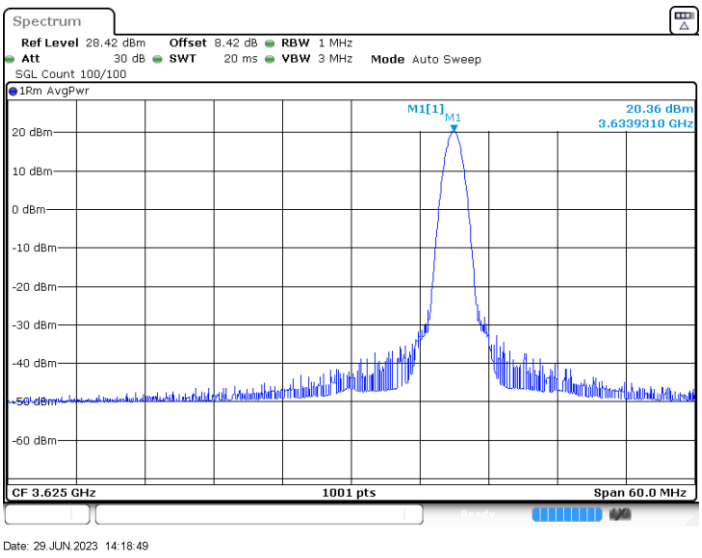
Lowest Channel / Full RB



LTE Band 48 / 20MHz	
QPSK	
Middle Channel / 1RB0	Middle Channel / 1RBmax

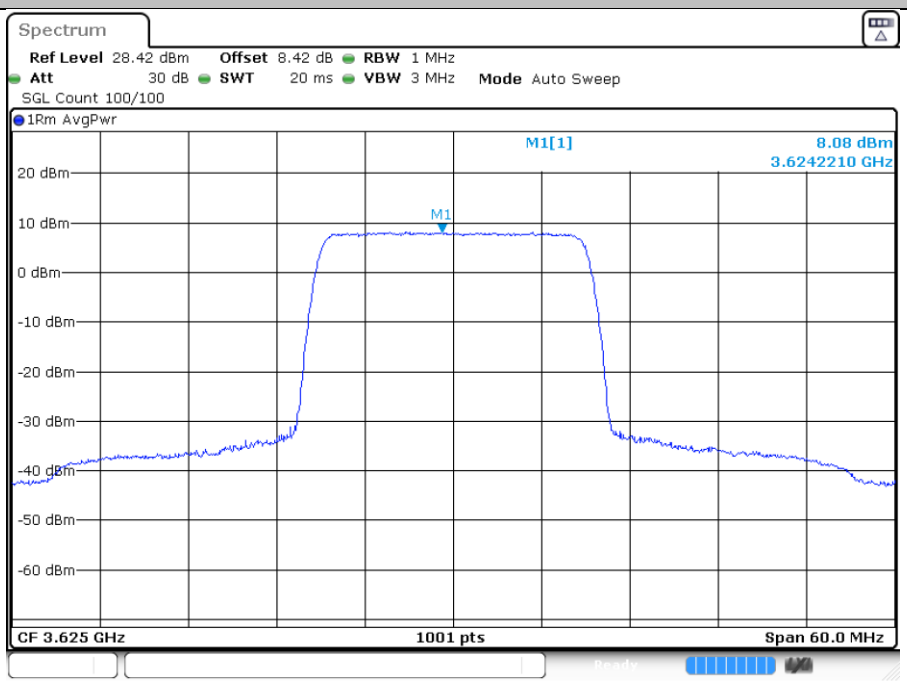


Date: 29.JUN.2023 14:15:19



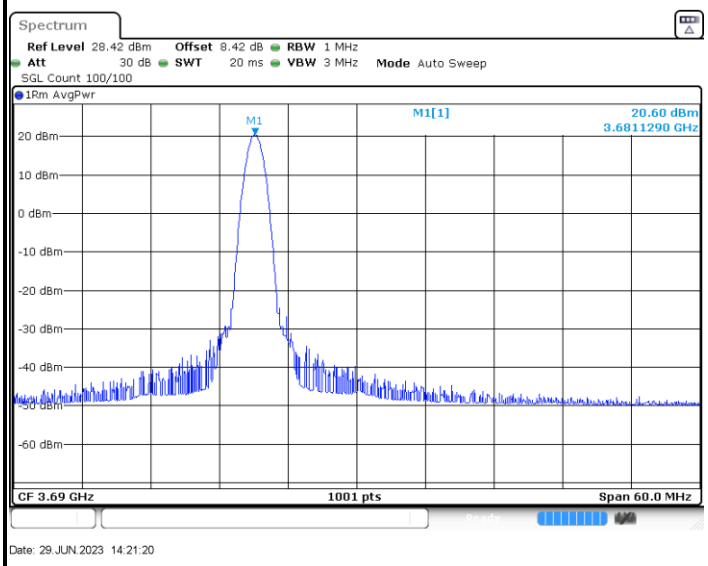
Date: 29.JUN.2023 14:18:49

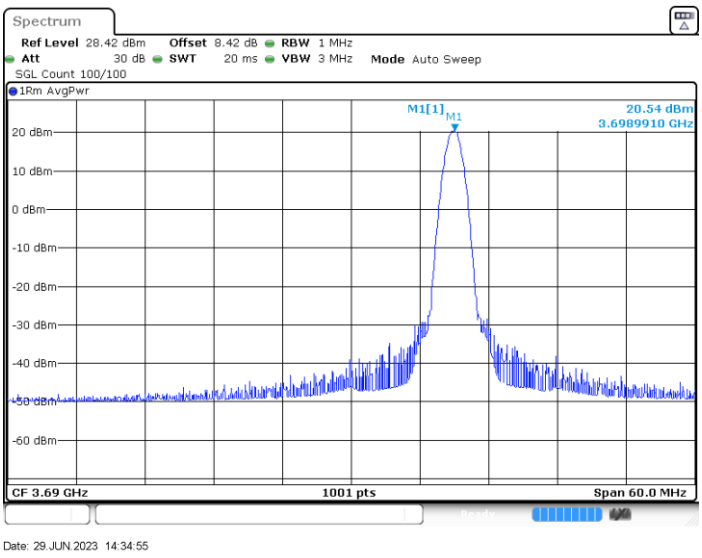
Middle Channel / Full RB



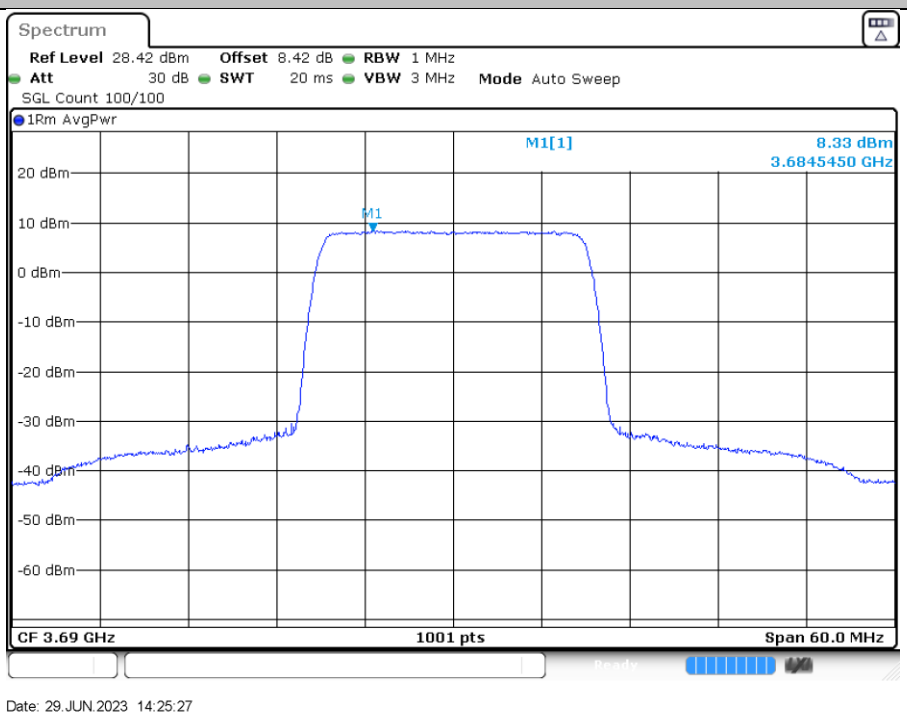
Date: 29.JUN.2023 14:19:19

LTE Band 48 / 20MHz	
QPSK	
Highest Channel / 1RB0	Highest Channel / 1RBmax

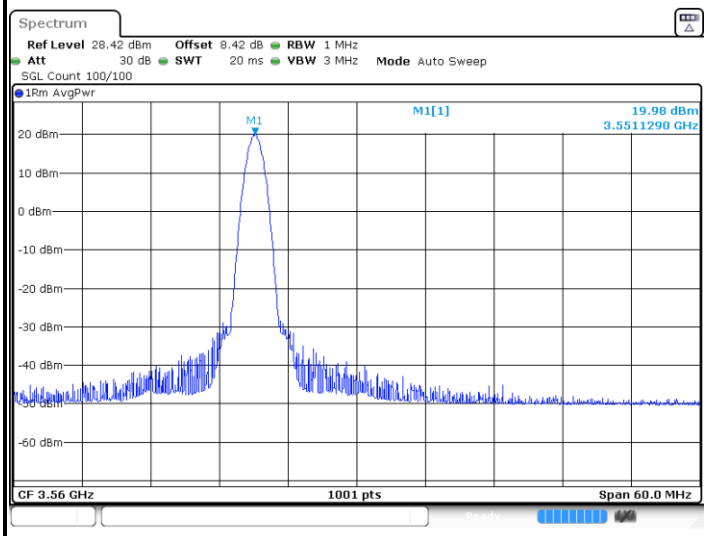




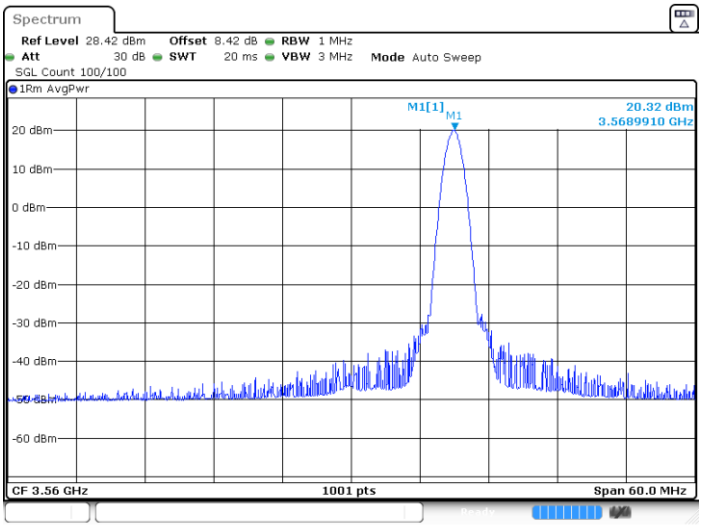
Highest Channel / Full RB



LTE Band 48 / 20MHz	
16QAM	
Lowest Channel / 1RB0	Lowest Channel / 1RBmax

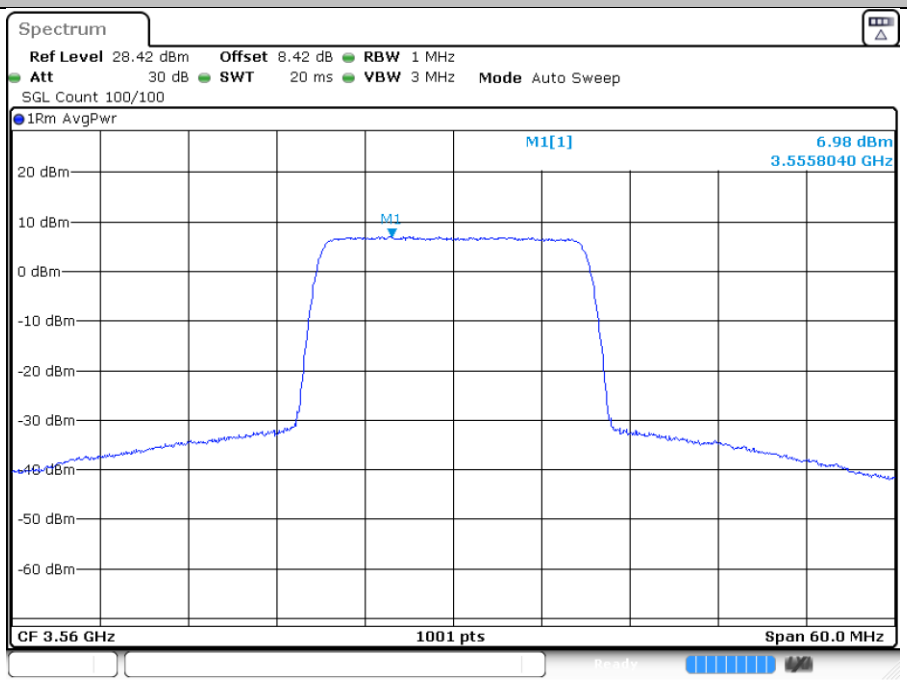


Date: 29.JUN.2023 14:09:13



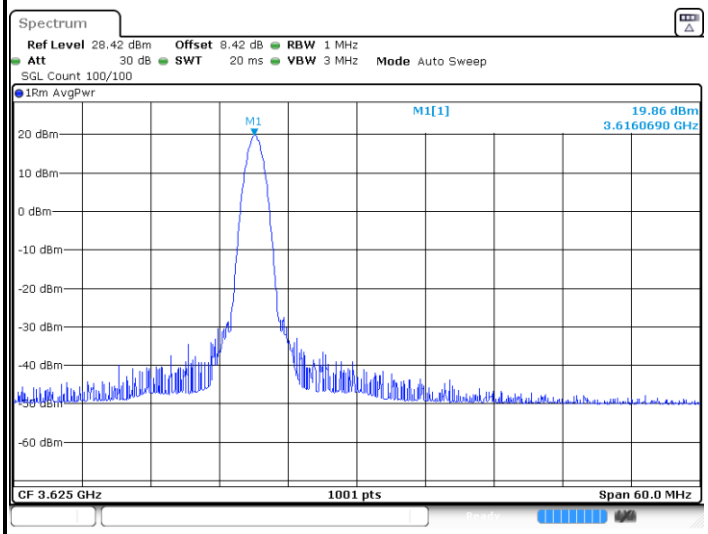
Date: 29.JUN.2023 14:11:49

Lowest Channel / Full RB

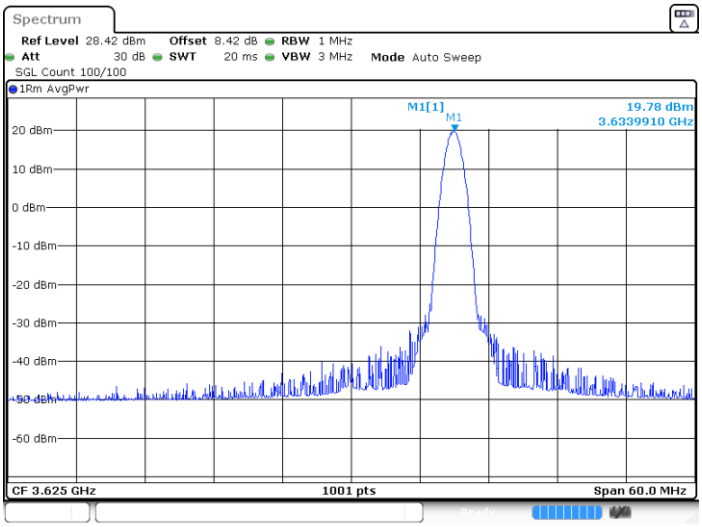


Date: 29.JUN.2023 14:13:22

LTE Band 48 / 20MHz	
16QAM	
Middle Channel / 1RB0	Middle Channel / 1RBmax

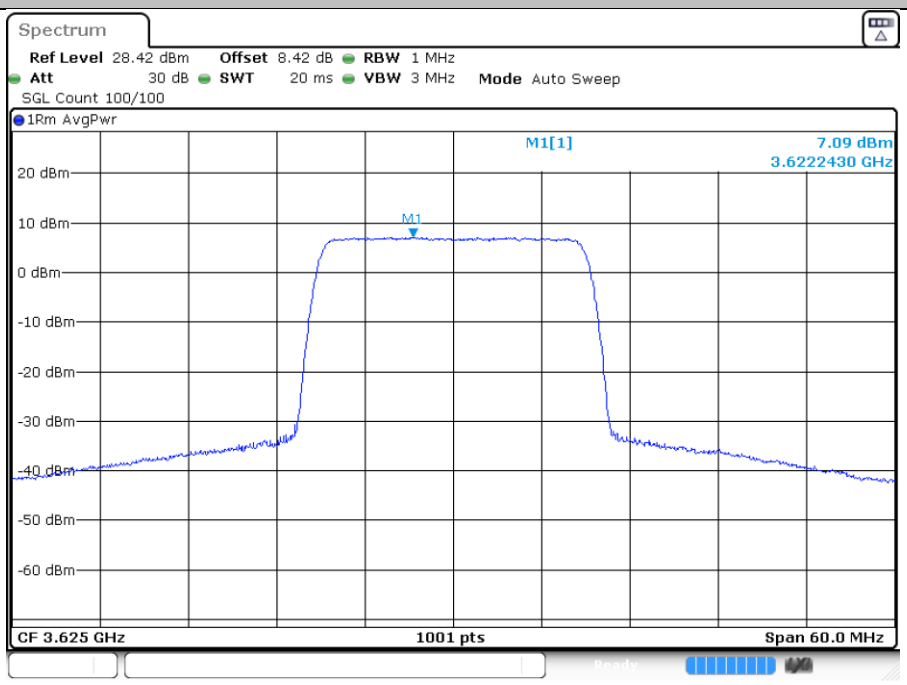


Date: 29.JUN.2023 14:15:49

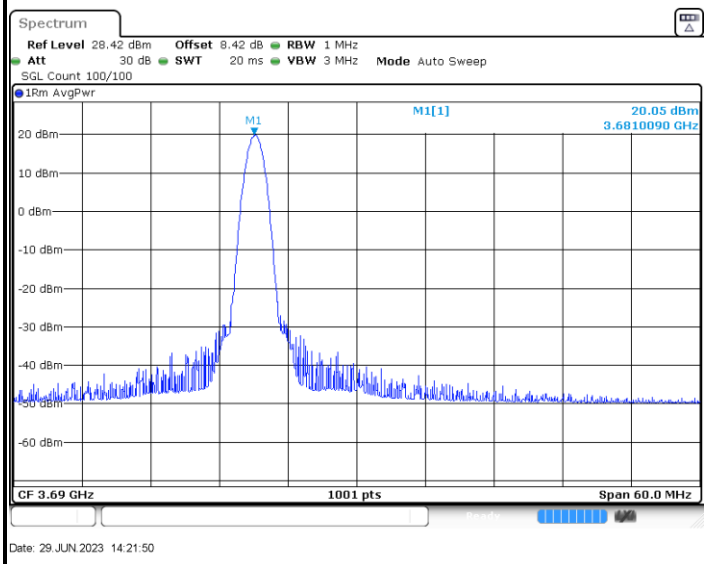
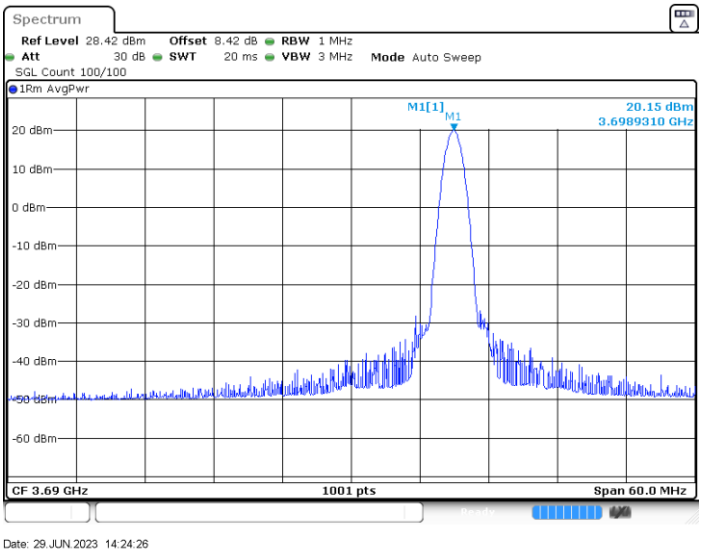
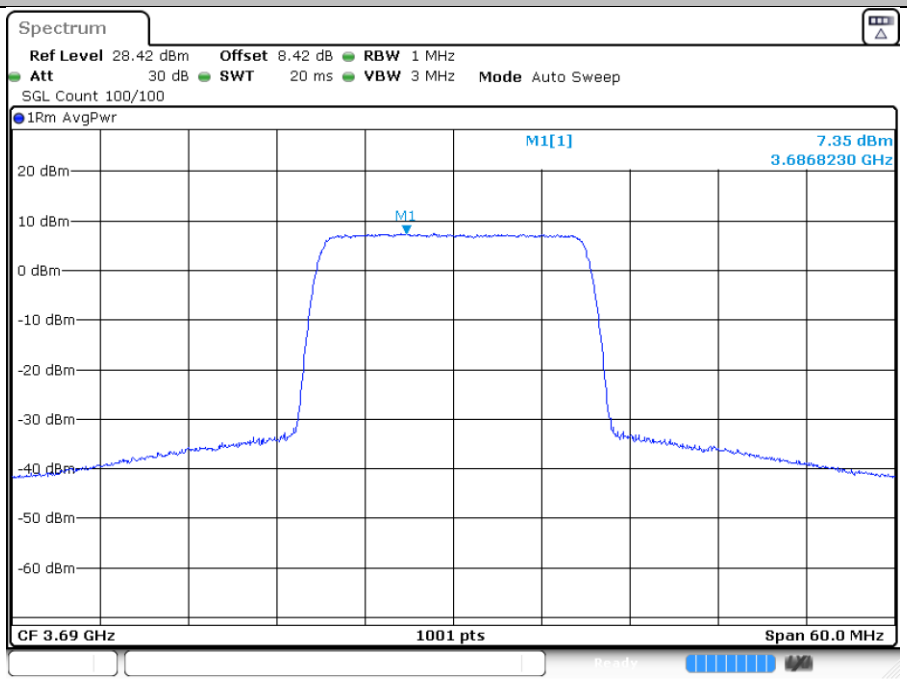


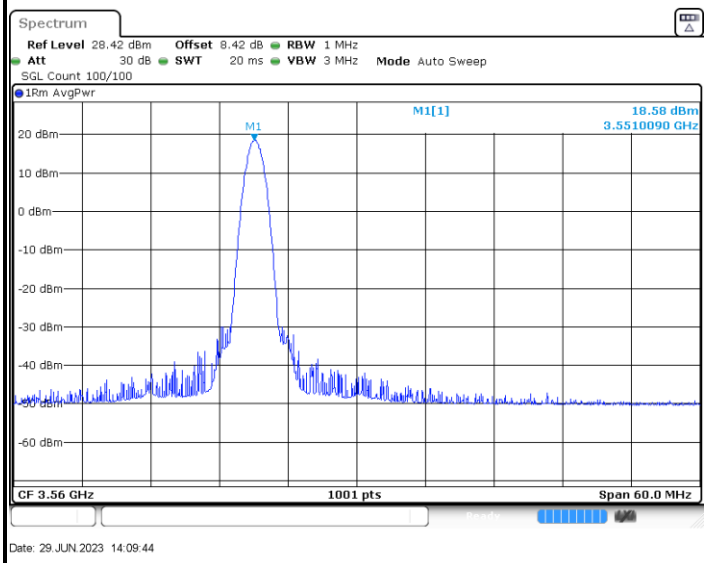
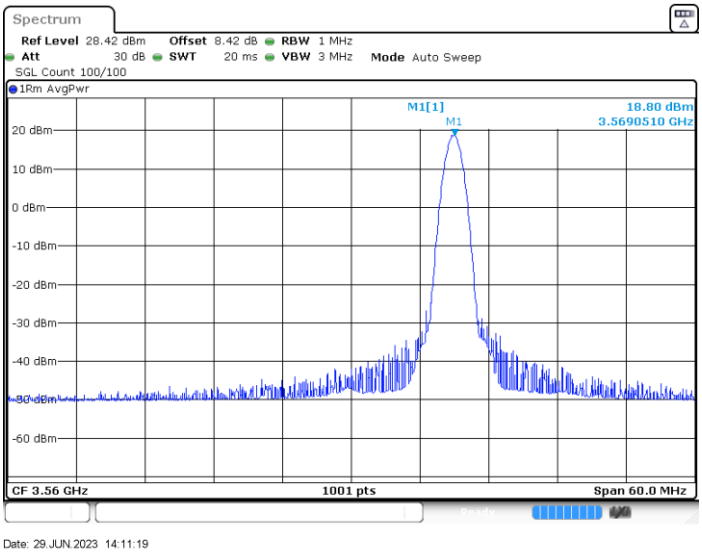
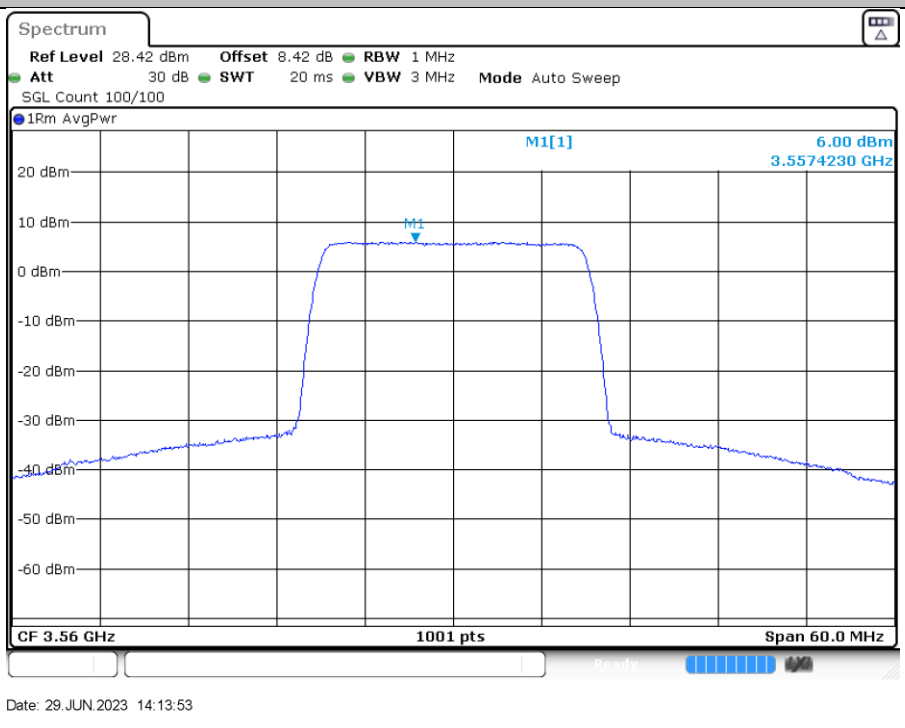
Date: 29.JUN.2023 14:18:19

Middle Channel / Full RB

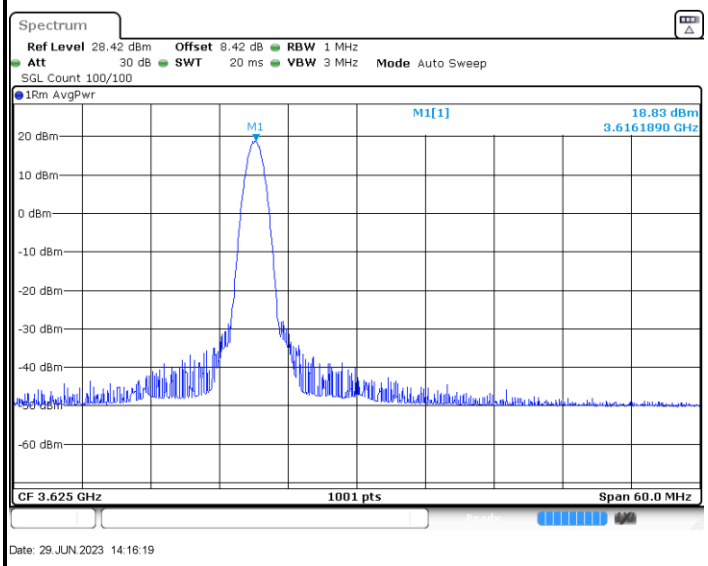


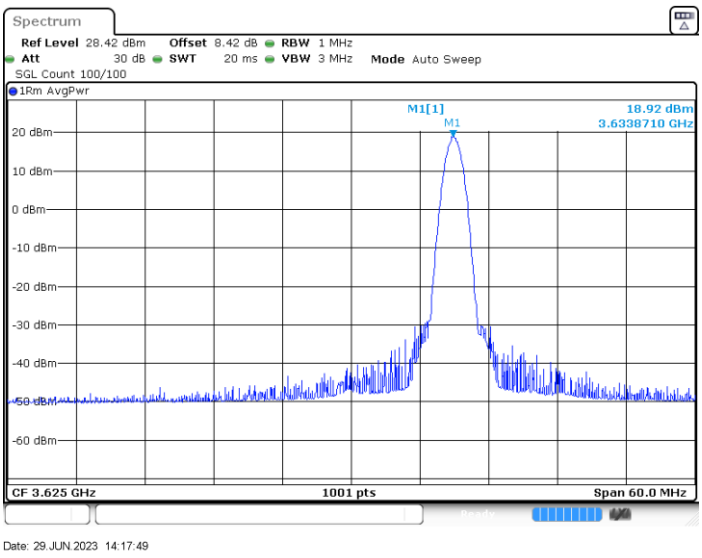
Date: 29.JUN.2023 14:19:49

LTE Band 48 / 20MHz	
16QAM	
Highest Channel / 1RB0	Highest Channel / 1RBmax
	
Highest Channel / Full RB	
	

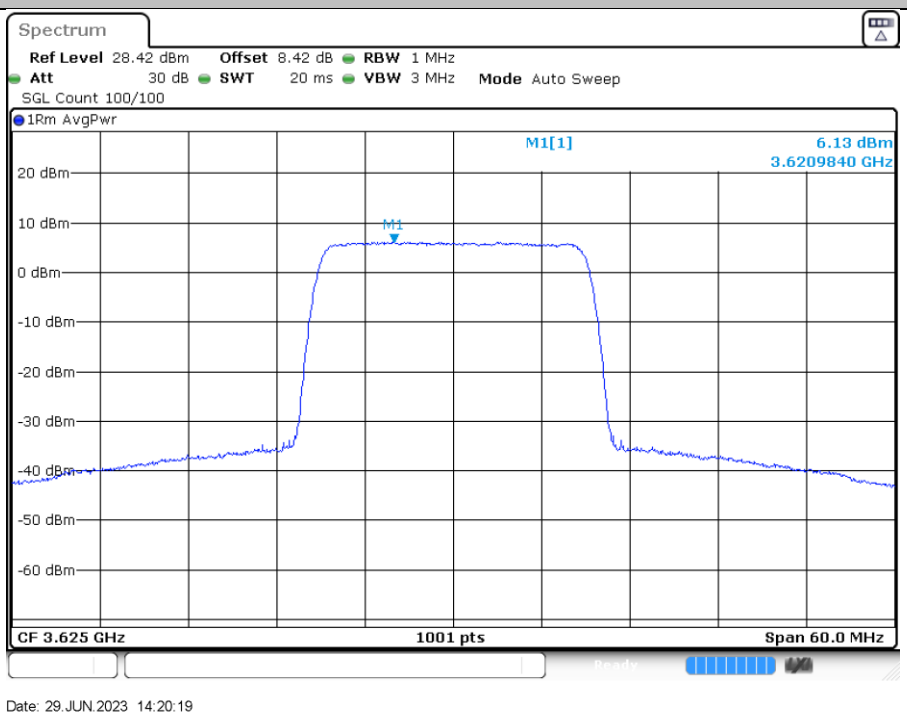
LTE Band 48 / 20MHz	
64QAM	
Lowest Channel / 1RB0	Lowest Channel / 1RBmax
	
Lowest Channel / Full RB	
	

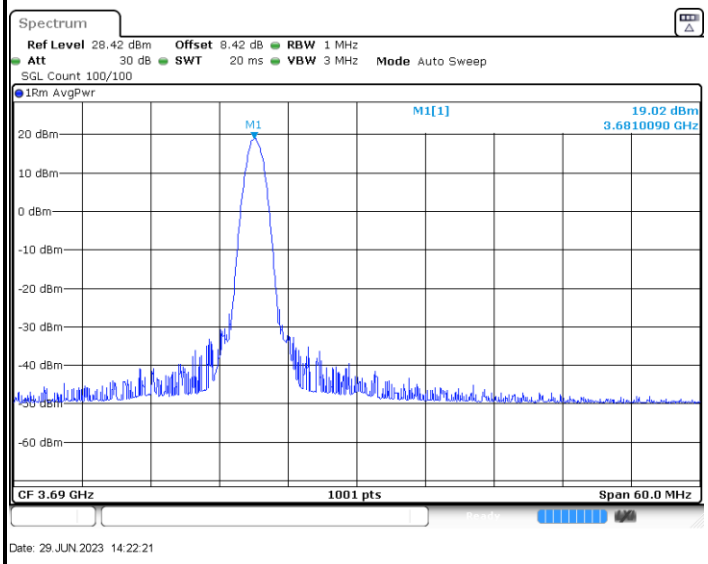
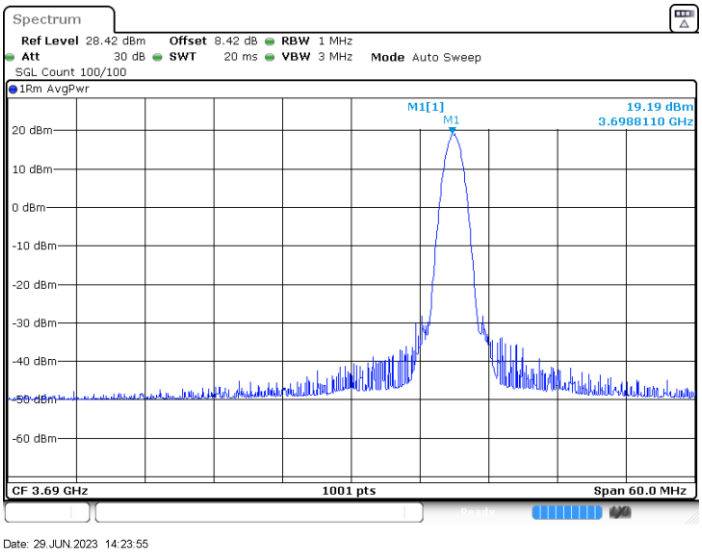
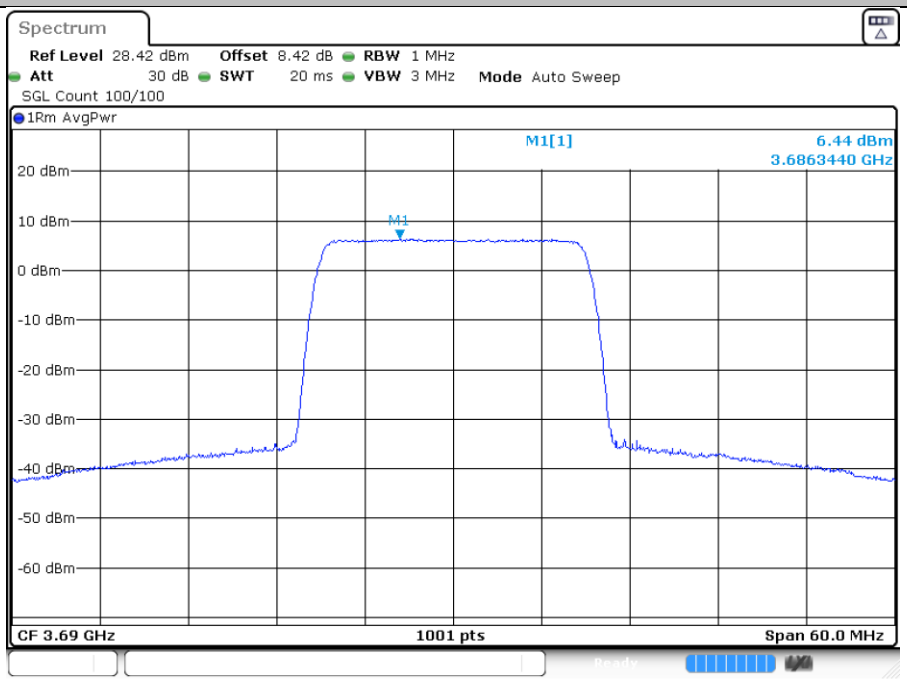
LTE Band 48 / 20MHz	
64QAM	
Middle Channel / 1RB0	Middle Channel / 1RBmax



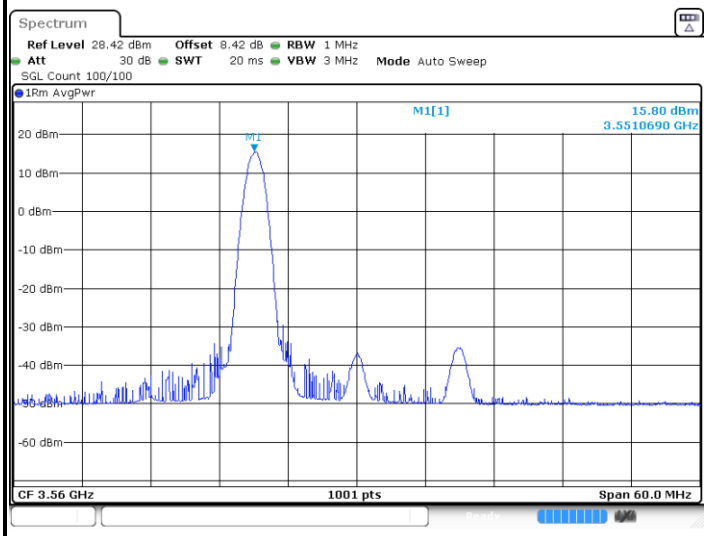


Middle Channel / Full RB



LTE Band 48 / 20MHz	
64QAM	
Highest Channel / 1RB0	Highest Channel / 1RBmax
	
Highest Channel / Full RB	
	

LTE Band 48 / 20MHz	
256QAM	
Lowest Channel / 1RB0	Lowest Channel / 1RBmax



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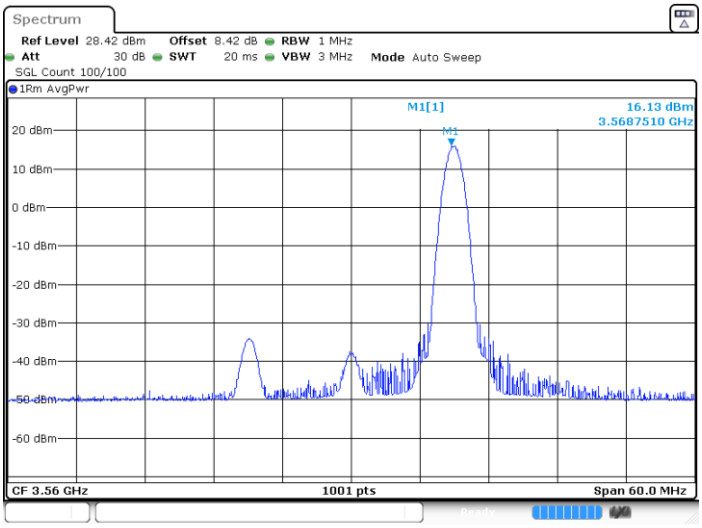
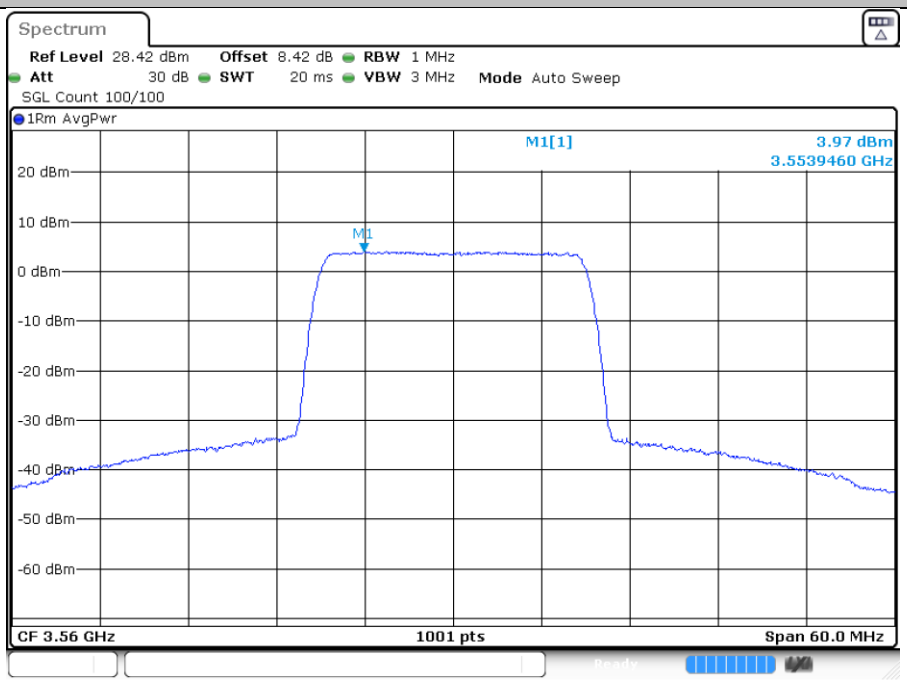


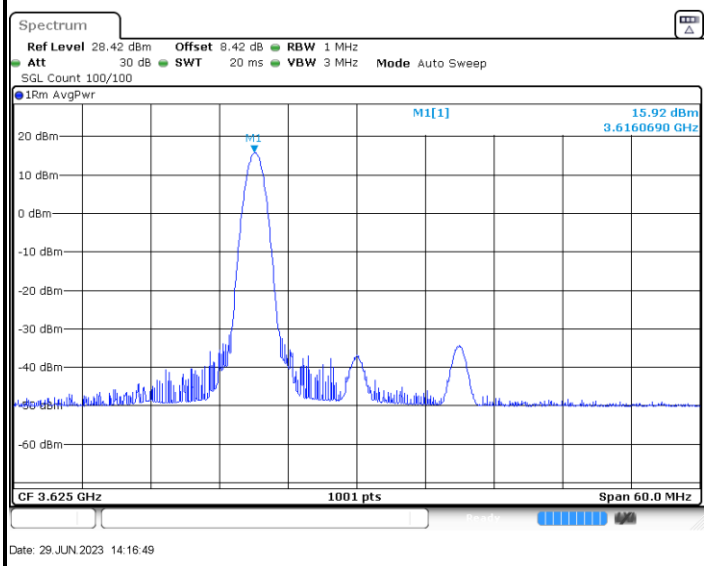
Date: 29.JUN.2023 14:36:50

Lowest Channel / Full RB

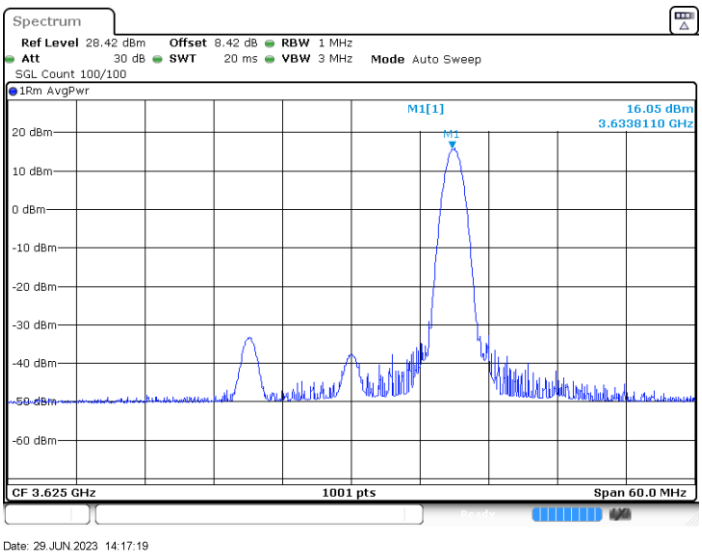


Date: 29.JUN.2023 14:14:24

LTE Band 48 / 20MHz	
256QAM	
Middle Channel / 1RB0	Middle Channel / 1RBmax

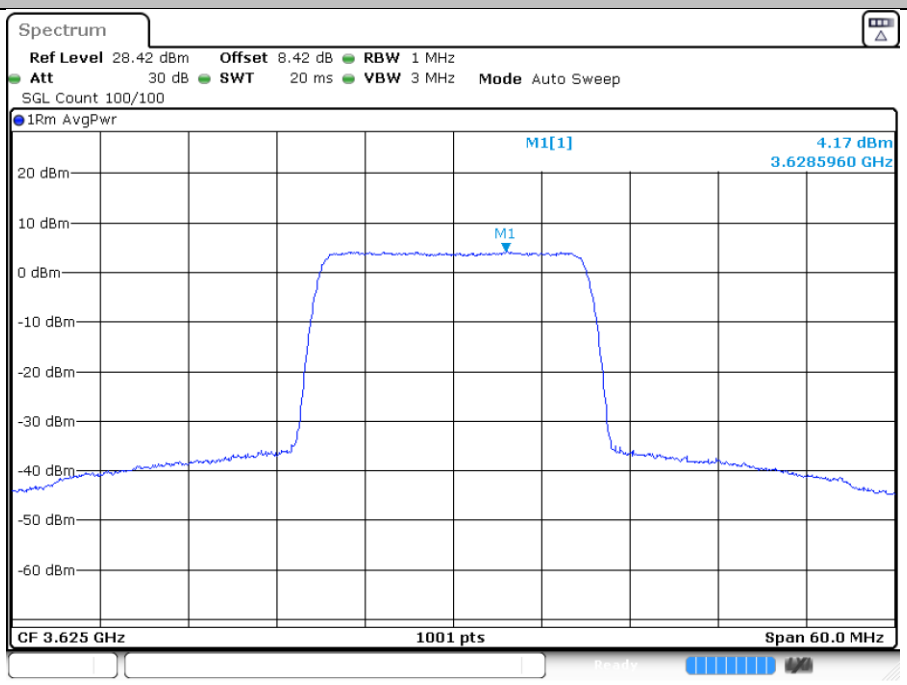


Date: 29.JUN.2023 14:16:49



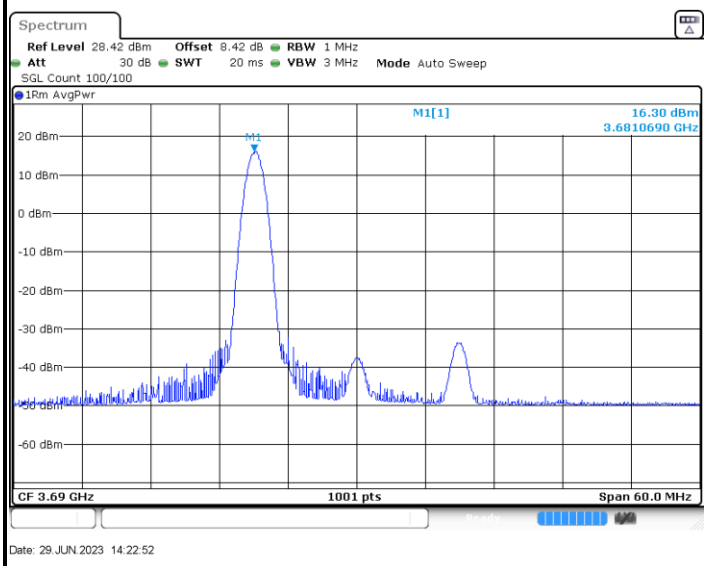
Date: 29.JUN.2023 14:17:19

Middle Channel / Full RB



Date: 29.JUN.2023 14:20:49

LTE Band 48 / 20MHz	
256QAM	
Highest Channel / 1RB0	Highest Channel / 1RBmax



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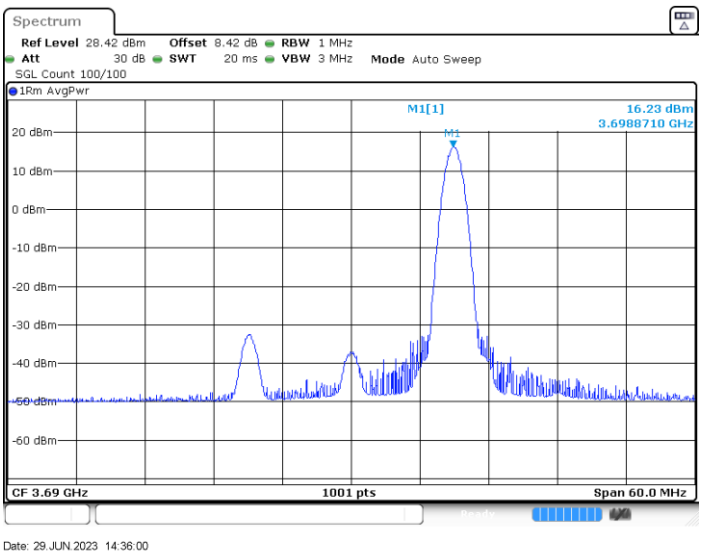
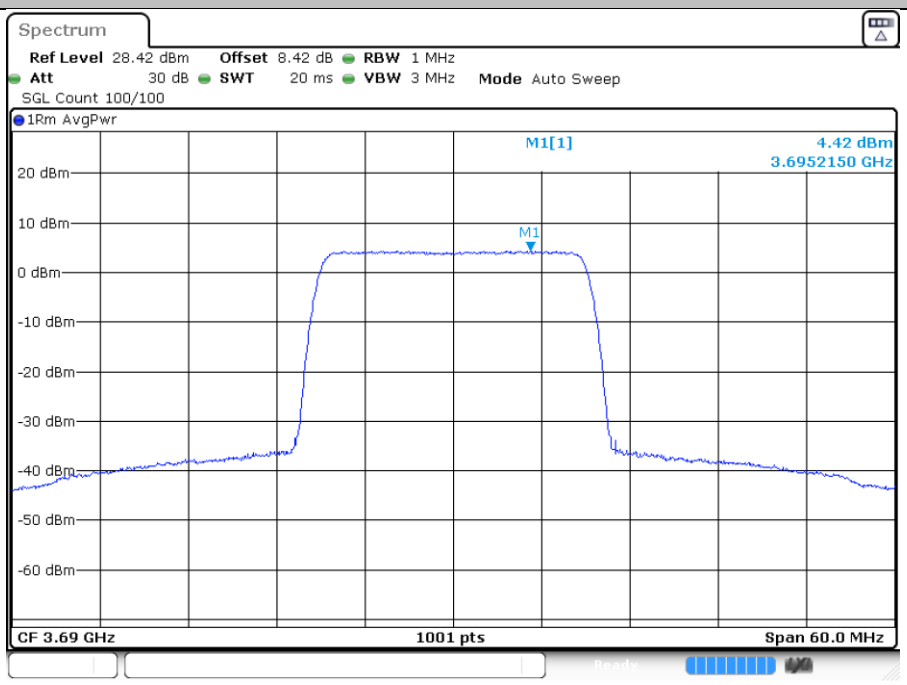


Date: 29.JUN.2023 14:36:00

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℃
		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.