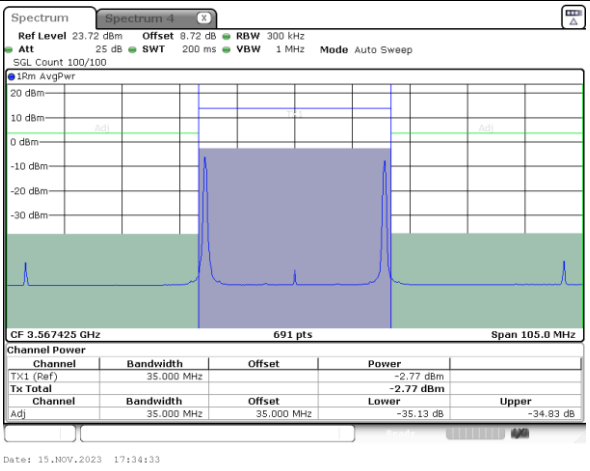
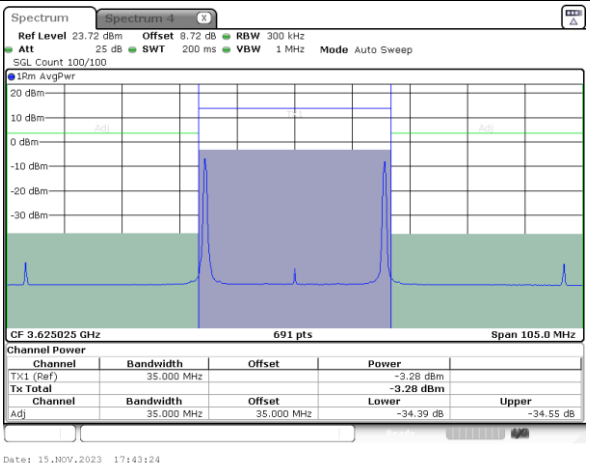
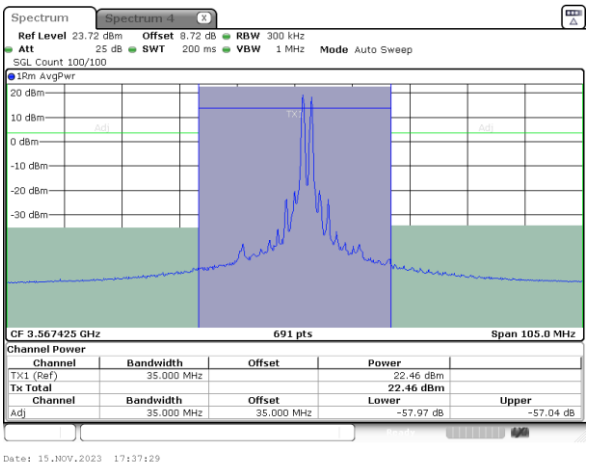
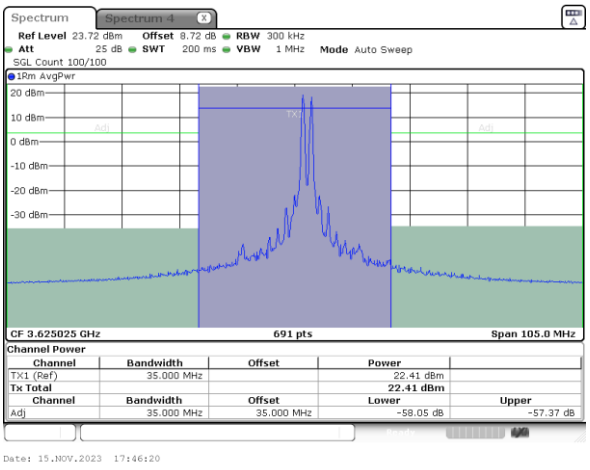
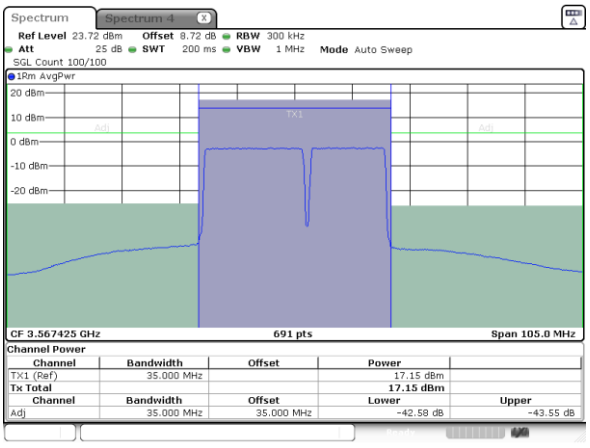
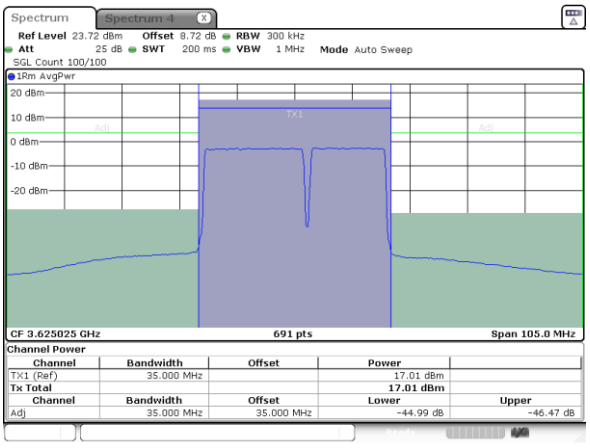
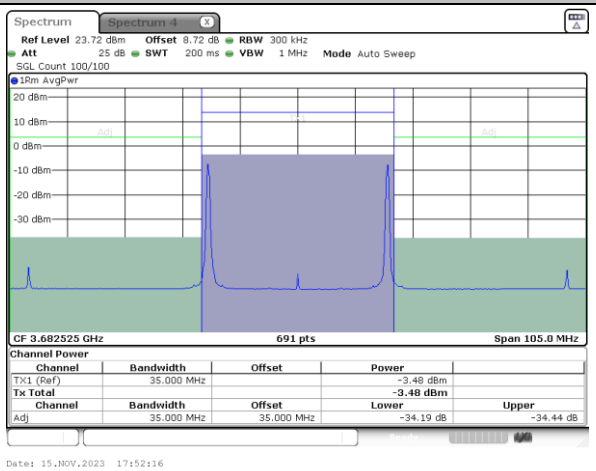
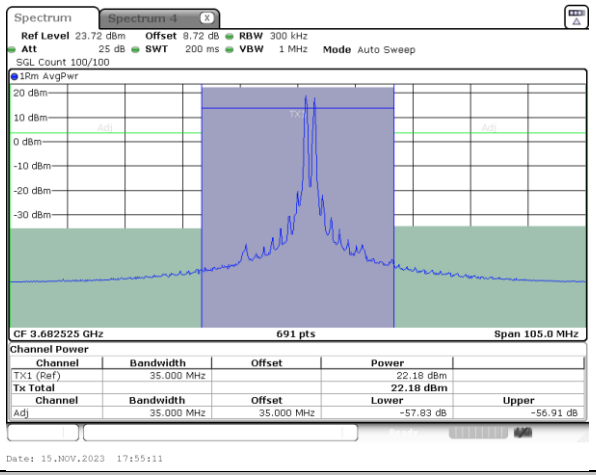
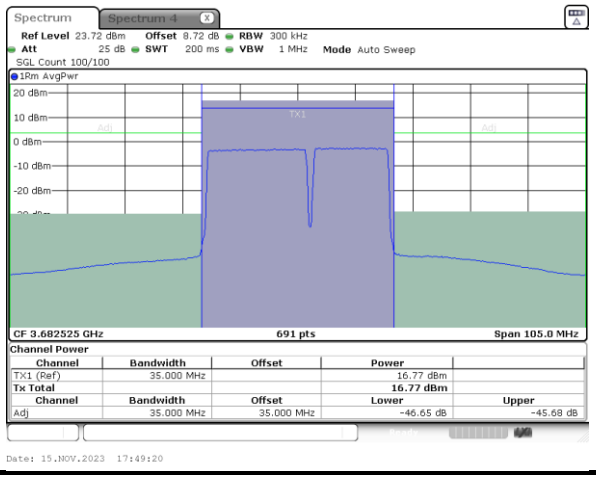
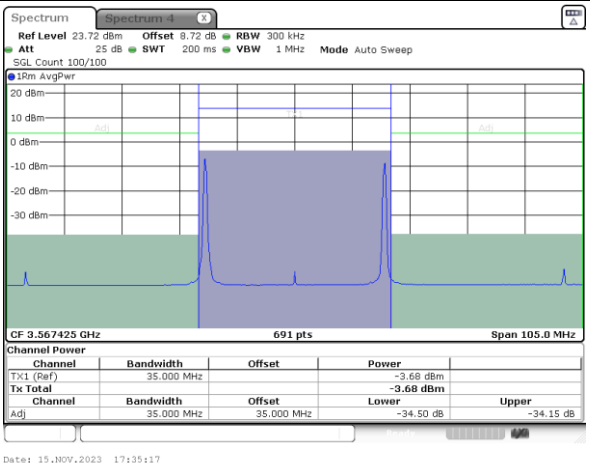
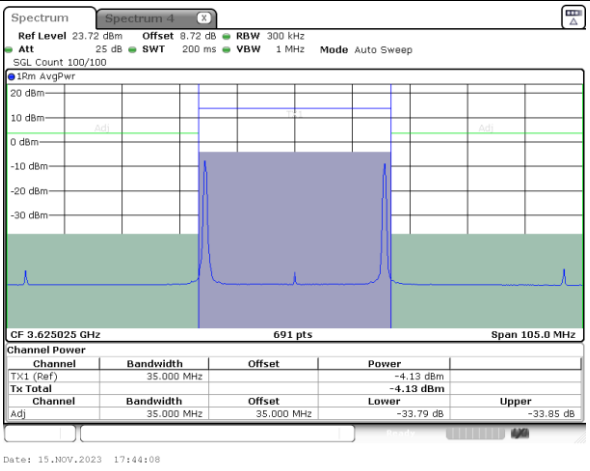
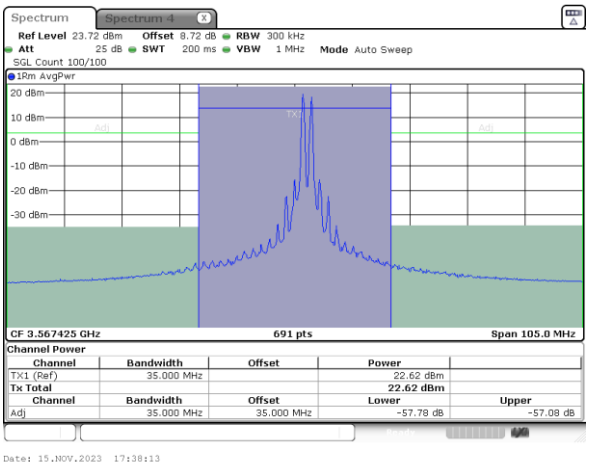
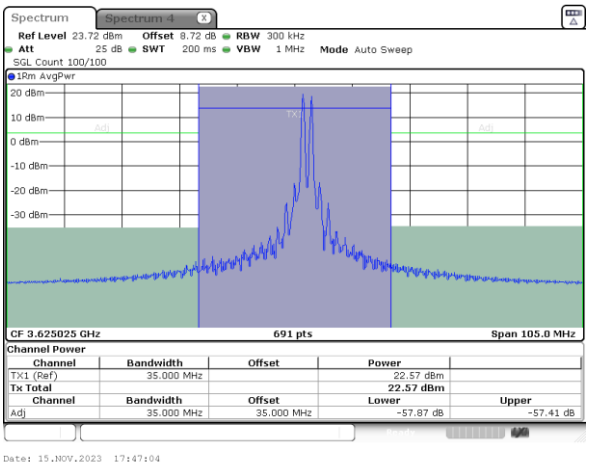
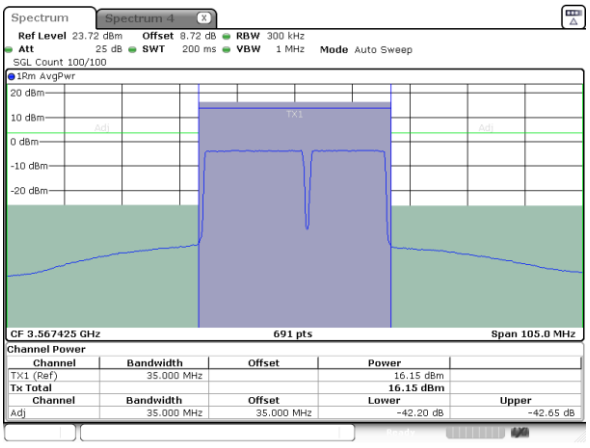
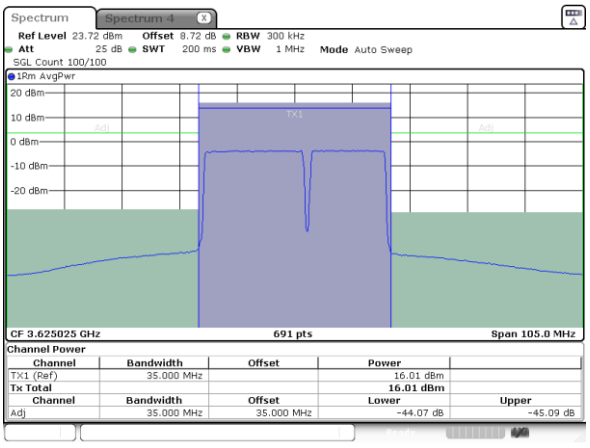
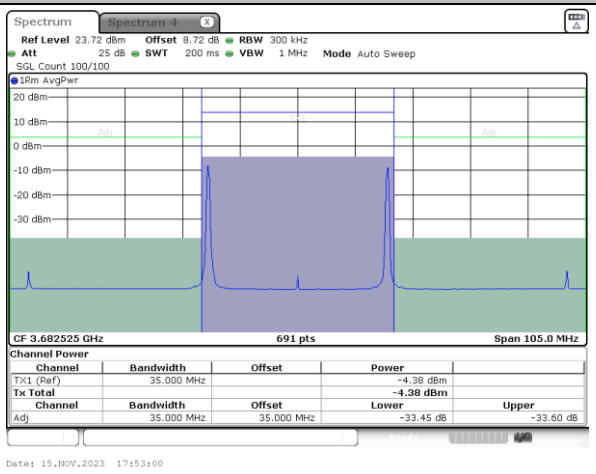
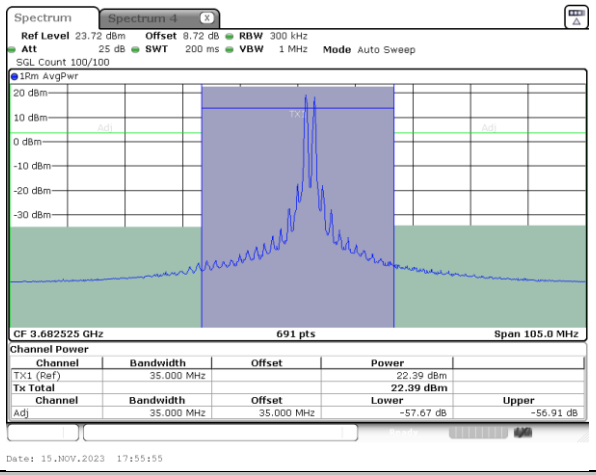
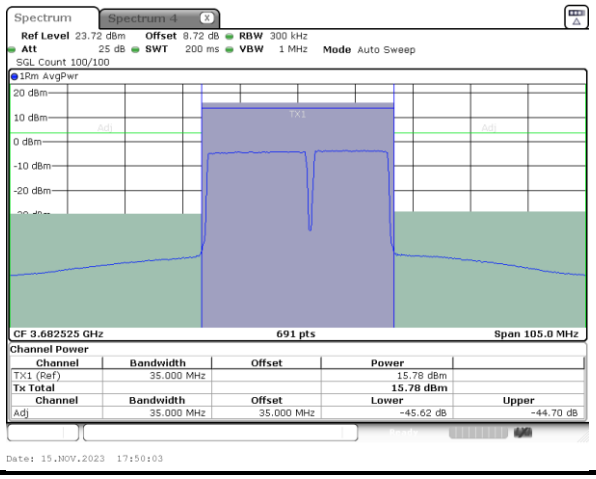
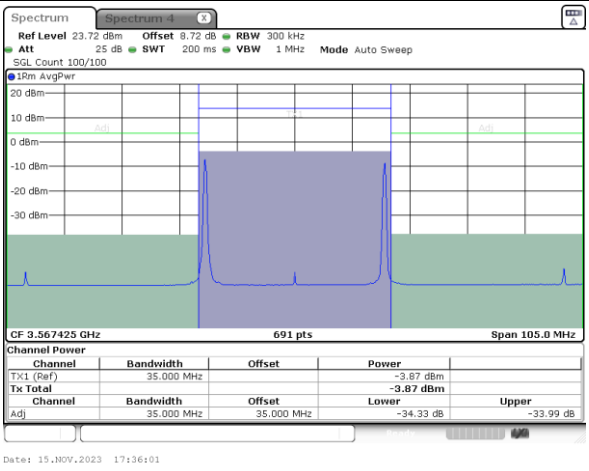
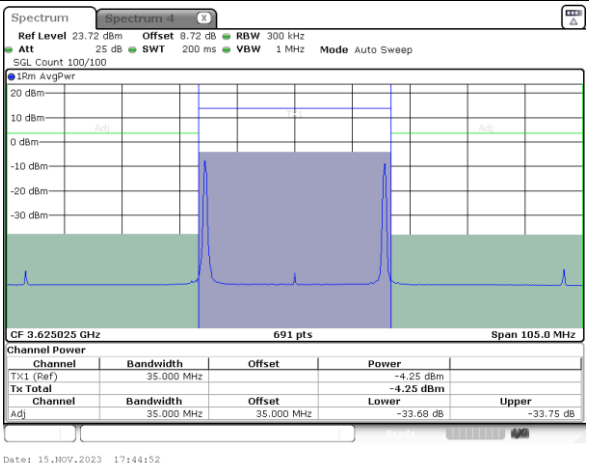
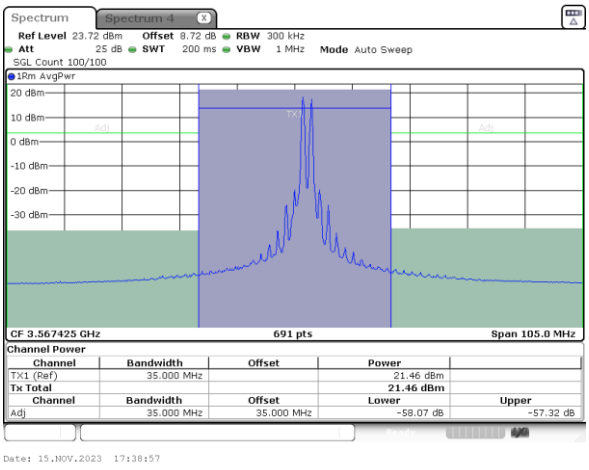
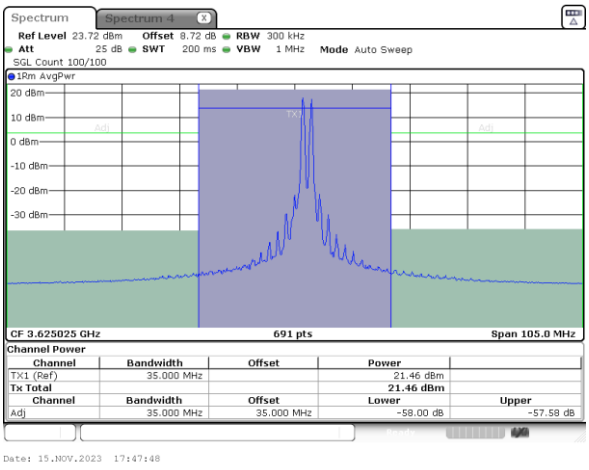
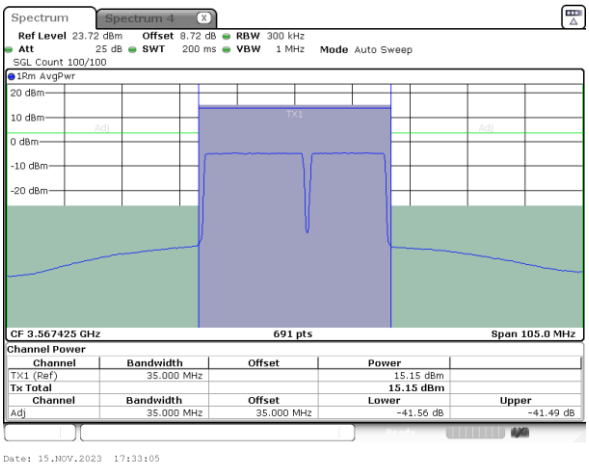
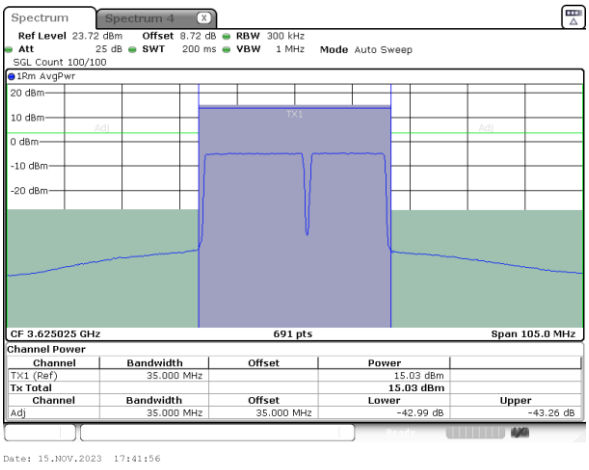
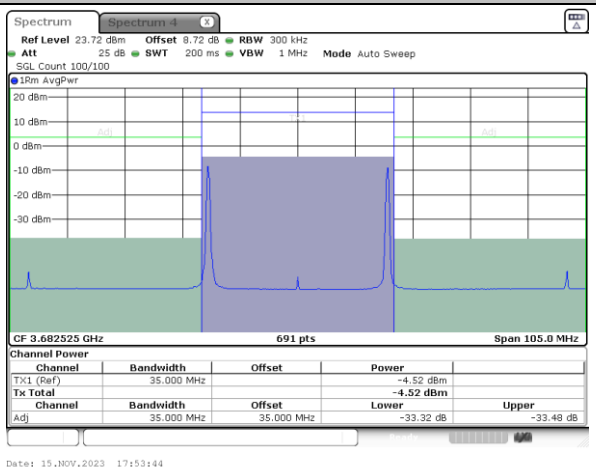
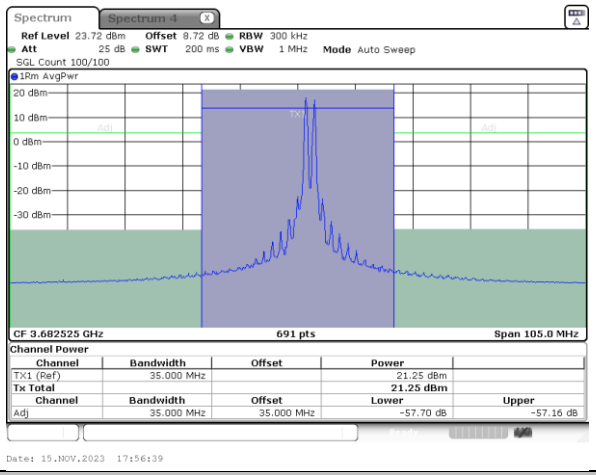
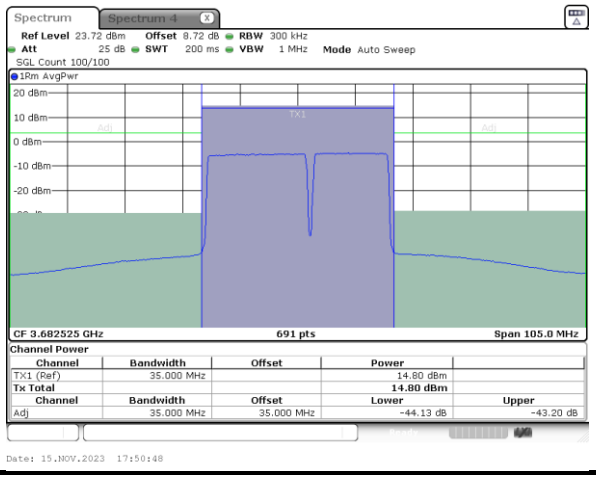
LTE Band 48C / 20MHz+15MHz	
QPSK	
Lowest Band Edge / 1RB0 and 1RB74	**Middle Band Edge / 1RB0 and 1RB74**
	
Lowest Band Edge / 1RB99 and 1RB0	**Middle Band Edge / 1RB99 and 1RB0**
	
Lowest Band Edge / Full RB	**Middle Band Edge / Full RB**
	

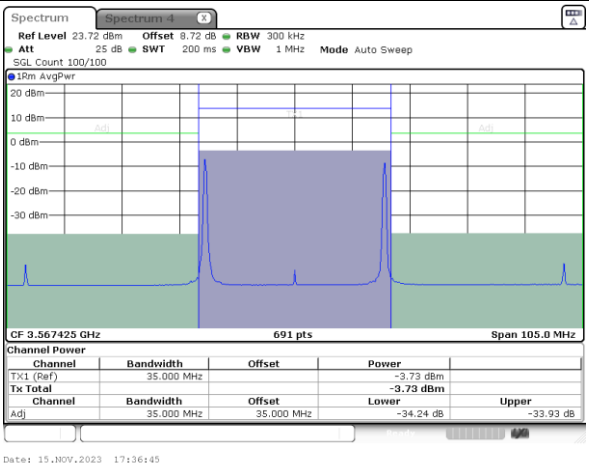
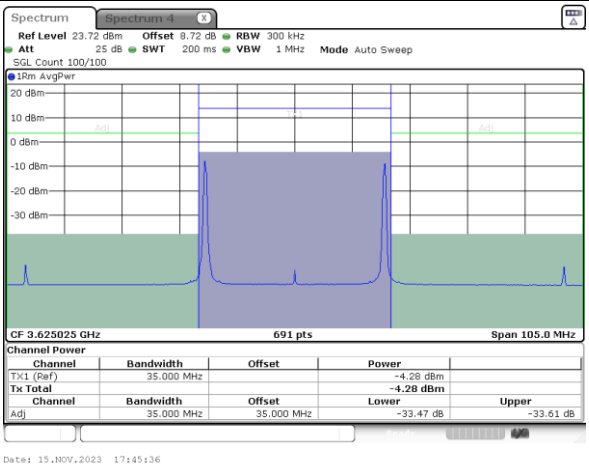
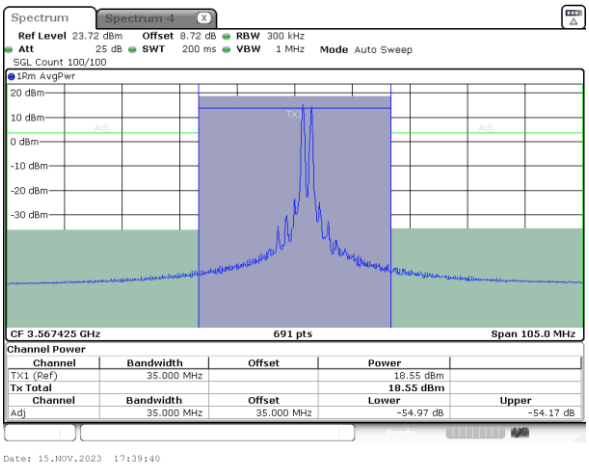
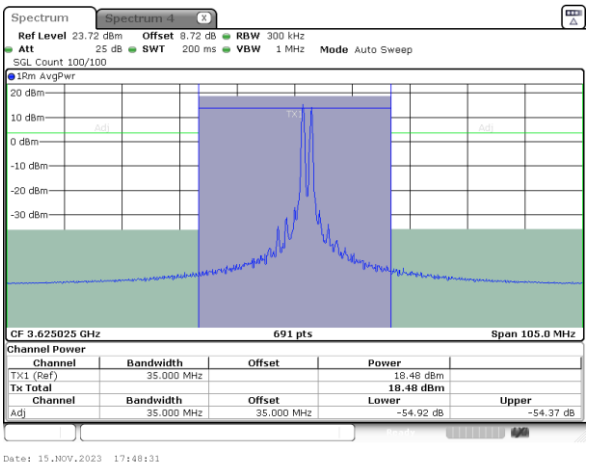
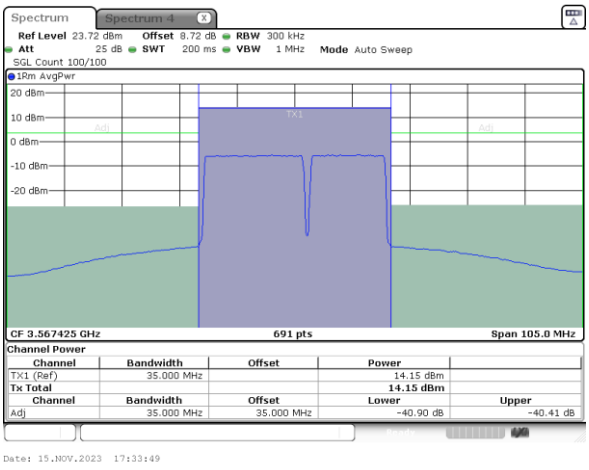
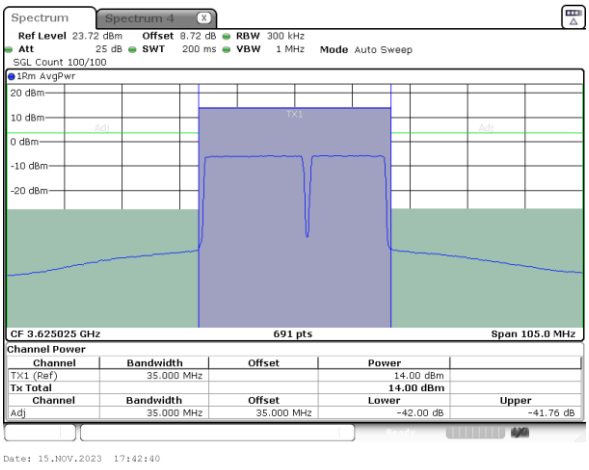
LTE Band 48C / 20MHz+15MHz	
QPSK	
Highest Band Edge / 1RB0 and 1RB74	N/A
	
Highest Band Edge / 1RB99 and 1RB0	N/A
	
Highest Band Edge / Full RB	N/A
	

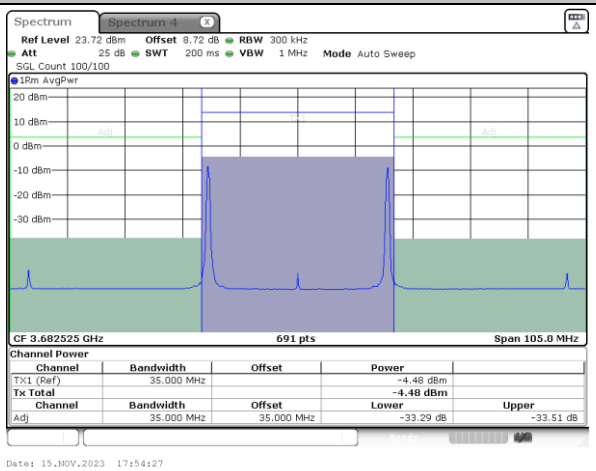
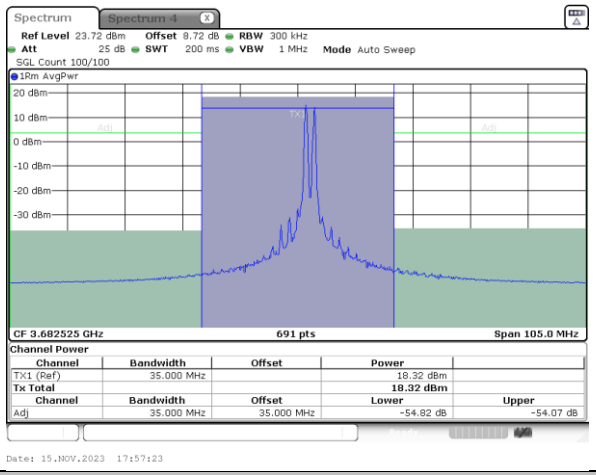
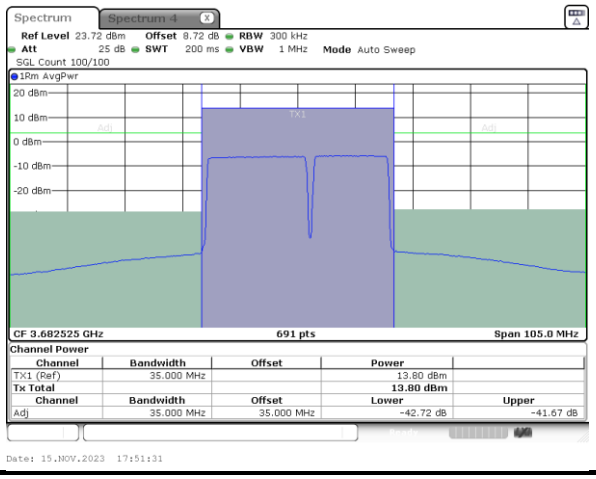
LTE Band 48C / 20MHz+15MHz	
16QAM	
Lowest Band Edge / 1RB0 and 1RB74	**Middle Band Edge / 1RB0 and 1RB74**
	
Lowest Band Edge / 1RB99 and 1RB0	**Middle Band Edge / 1RB99 and 1RB0**
	
Lowest Band Edge / Full RB	**Middle Band Edge / Full RB**
	

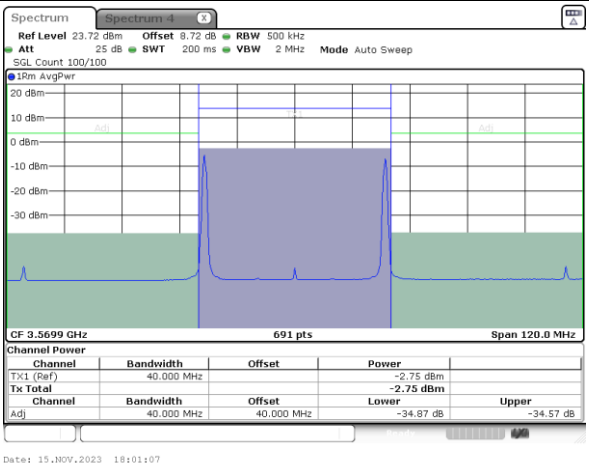
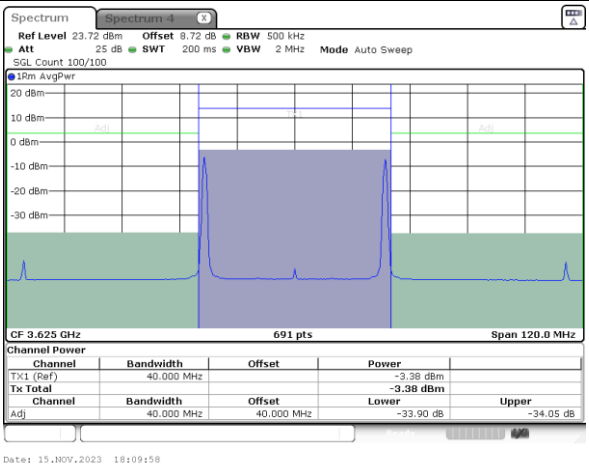
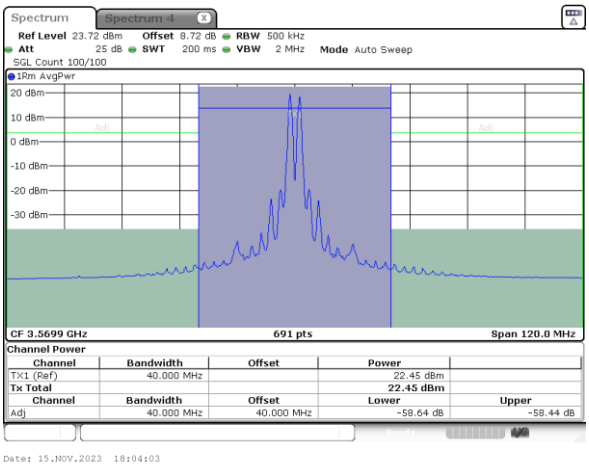
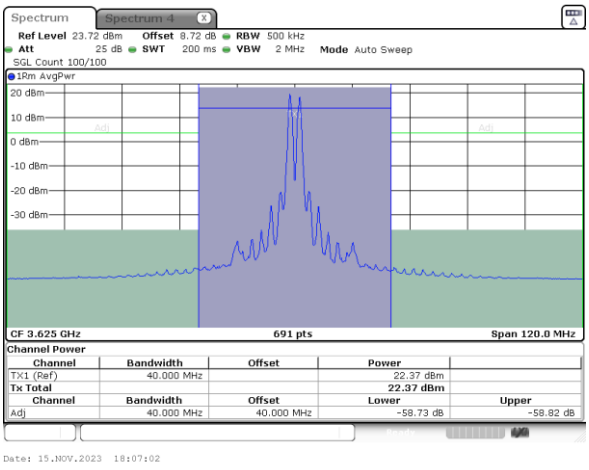
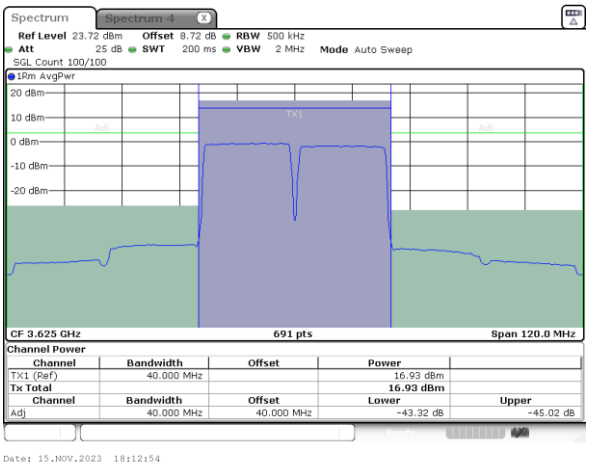
LTE Band 48C / 20MHz+15MHz	
16QAM	
Highest Band Edge / 1RB0 and 1RB74	N/A
	
Highest Band Edge / 1RB99 and 1RB0	N/A
	
Highest Band Edge / Full RB	N/A
	

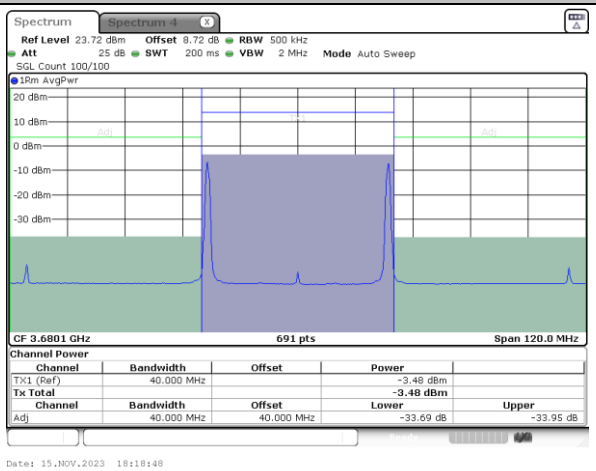
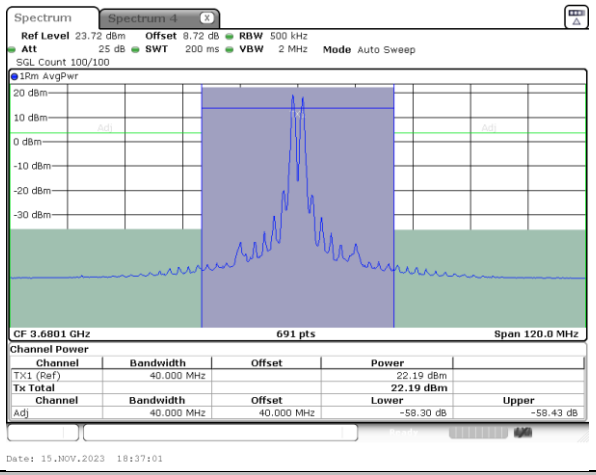
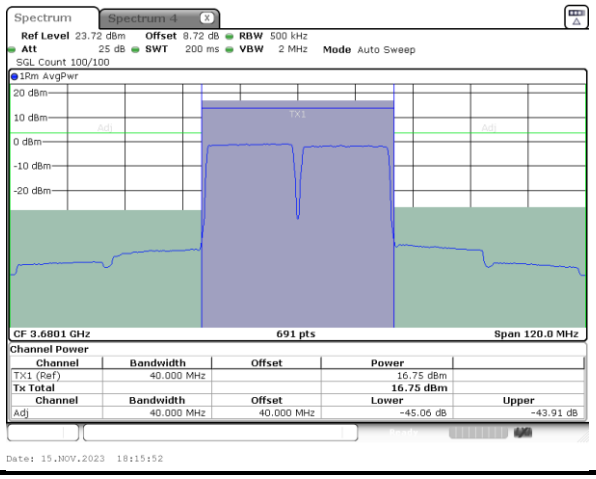
LTE Band 48C / 20MHz+15MHz	
64QAM	
Lowest Band Edge / 1RB0 and 1RB74	Middle Band Edge / 1RB0 and 1RB74
	
Lowest Band Edge / 1RB99 and 1RB0	Middle Band Edge / 1RB99 and 1RB0
	
Lowest Band Edge / Full RB	Middle Band Edge / Full RB
	

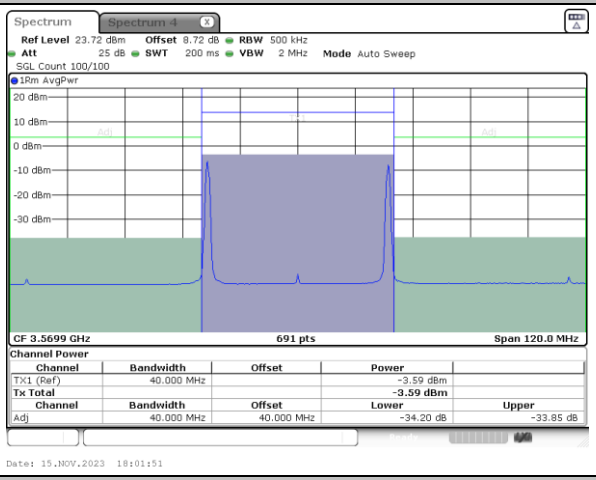
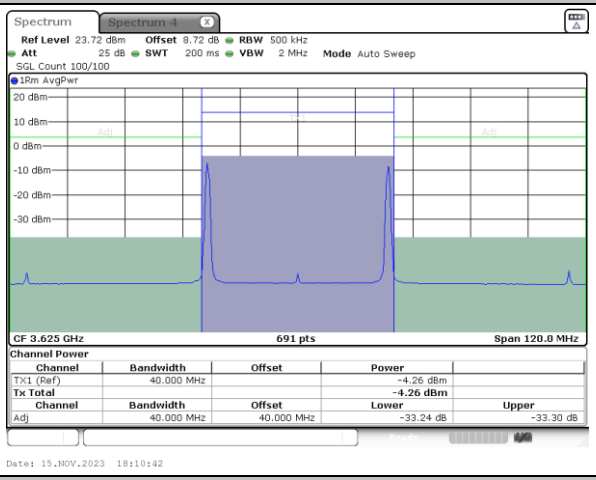
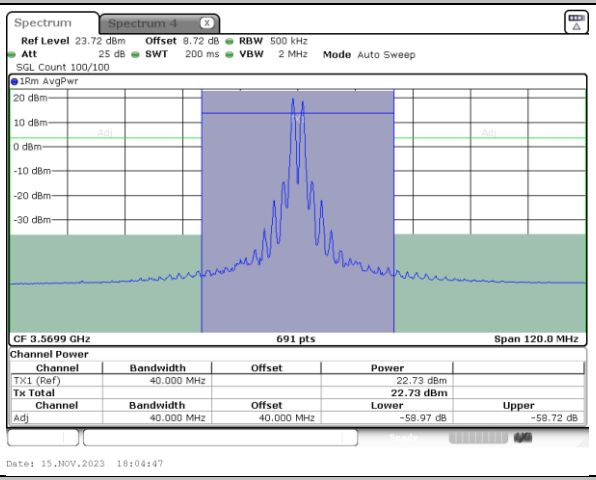
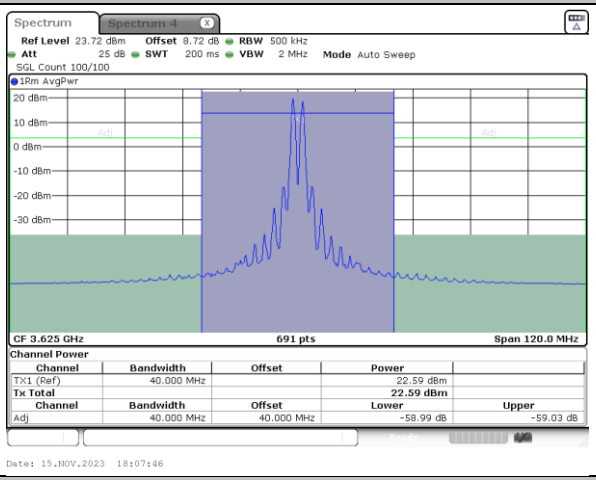
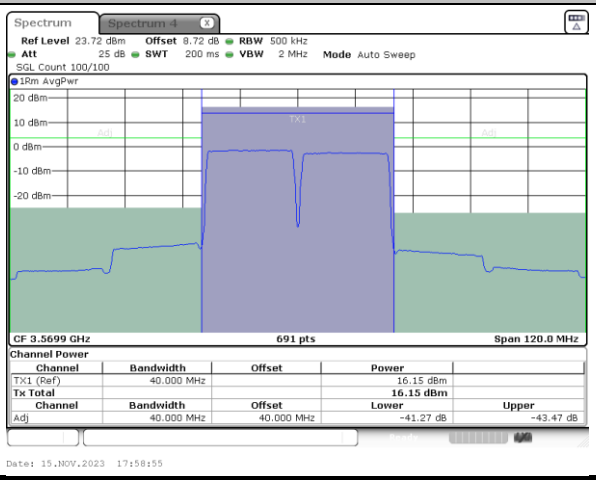
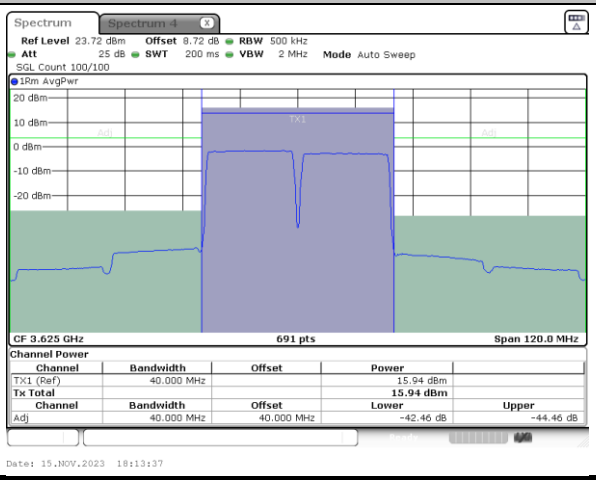
LTE Band 48C / 20MHz+15MHz	
64QAM	
Highest Band Edge / 1RB0 and 1RB74	N/A
	
Highest Band Edge / 1RB99 and 1RB0	N/A
	
Highest Band Edge / Full RB	N/A
	

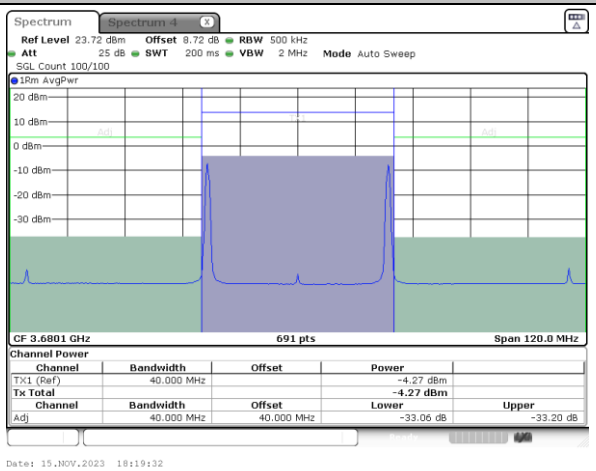
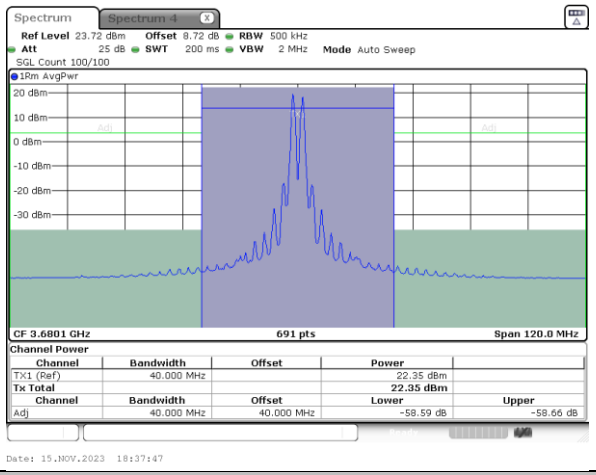
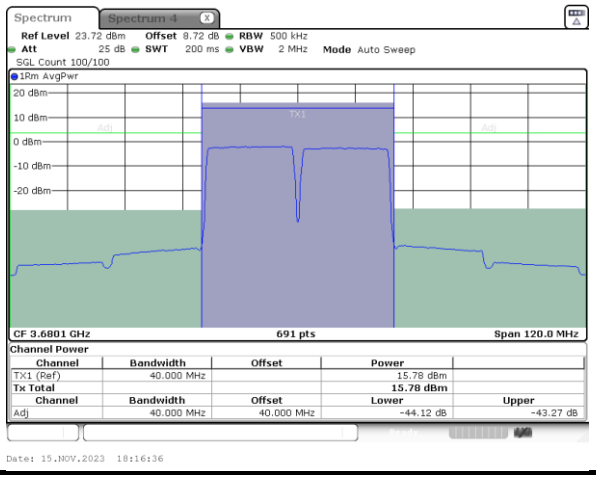
LTE Band 48C / 20MHz+15MHz	
256QAM	
Lowest Band Edge / 1RB0 and 1RB74	Middle Band Edge / 1RB0 and 1RB74
	
Lowest Band Edge / 1RB99 and 1RB0	Middle Band Edge / 1RB99 and 1RB0
	
Lowest Band Edge / Full RB	Middle Band Edge / Full RB
	

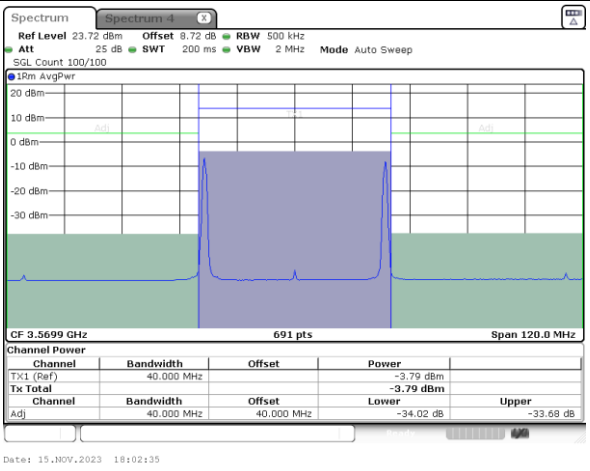
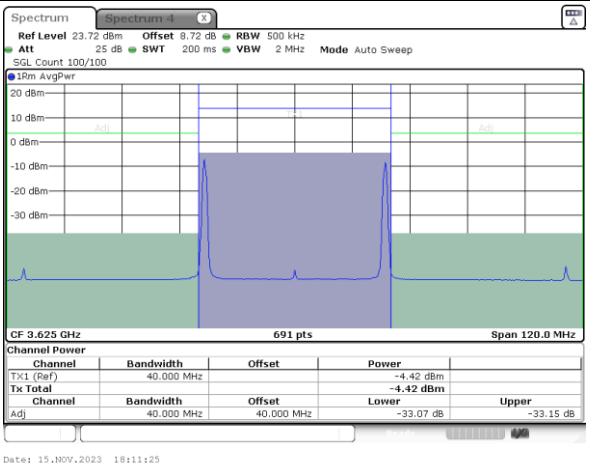
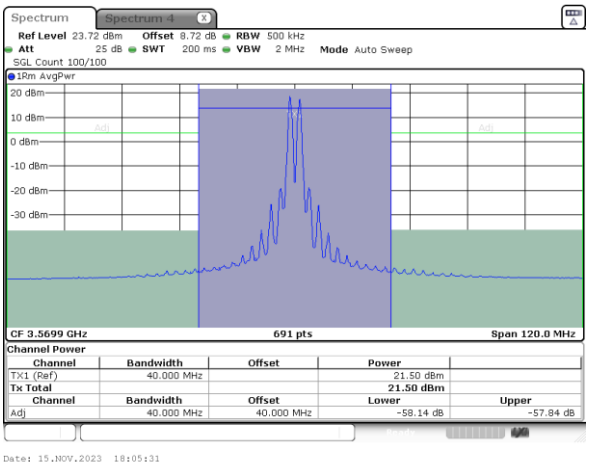
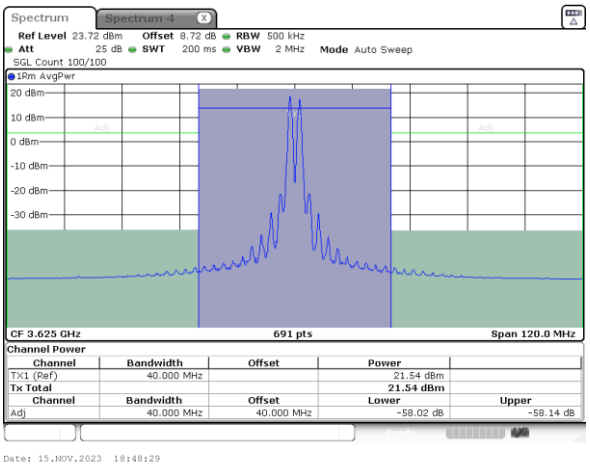
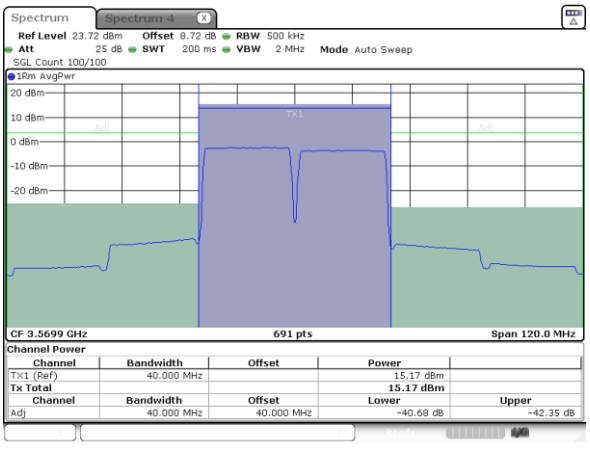
LTE Band 48C / 20MHz+15MHz	
256QAM	
Highest Band Edge / 1RB0 and 1RB74	N/A
	
Highest Band Edge / 1RB99 and 1RB0	N/A
	
Highest Band Edge / Full RB	N/A
	

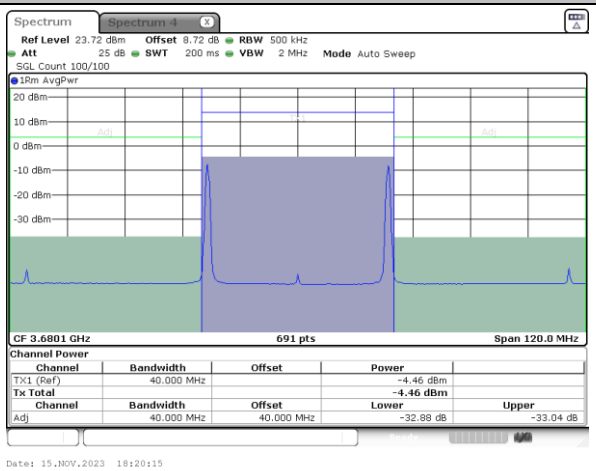
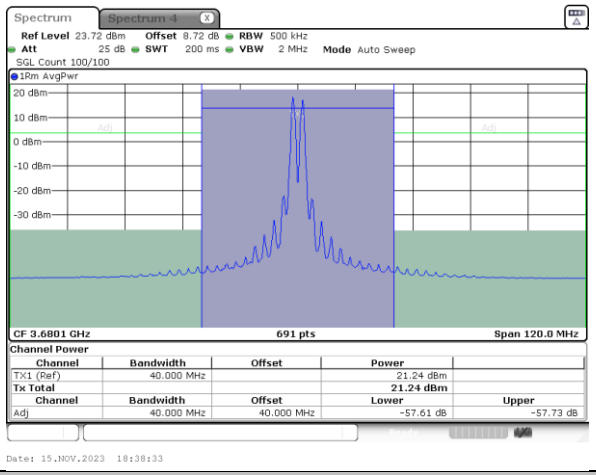
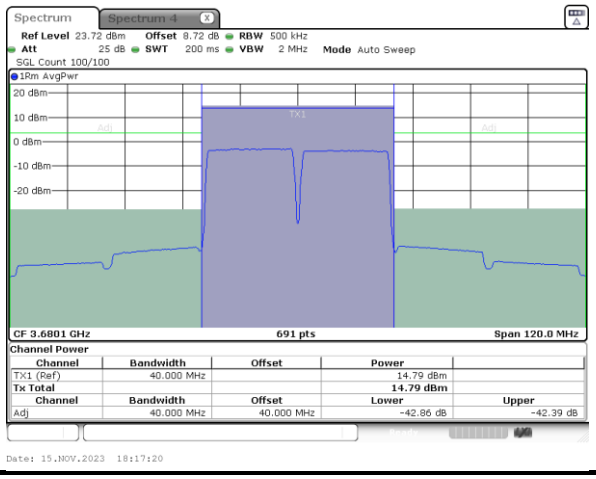
LTE Band 48C / 20MHz+20MHz	
QPSK	
Lowest Band Edge / 1RB0 and 1RB99	Middle Band Edge / 1RB0 and 1RB99
	
Lowest Band Edge / 1RB99 and 1RB0	Middle Band Edge / 1RB99 and 1RB0
	
Lowest Band Edge / Full RB	Middle Band Edge / Full RB
	

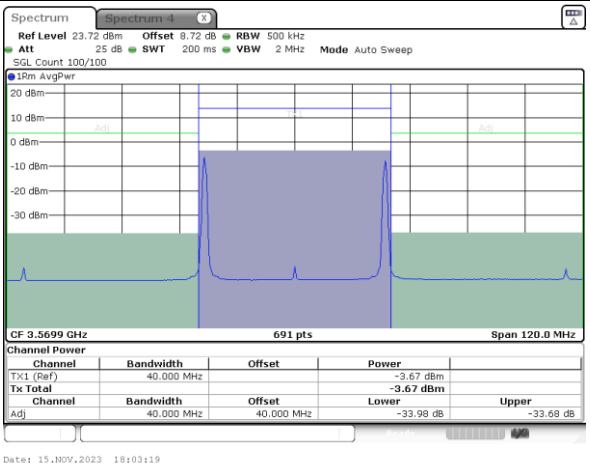
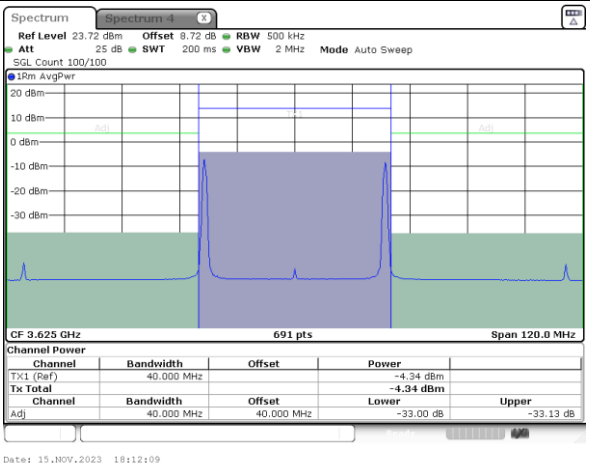
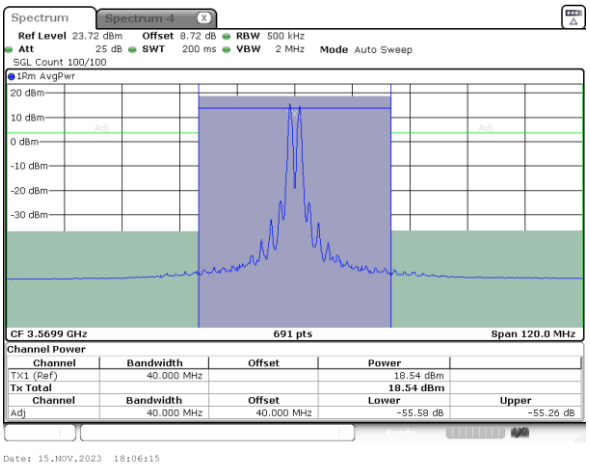
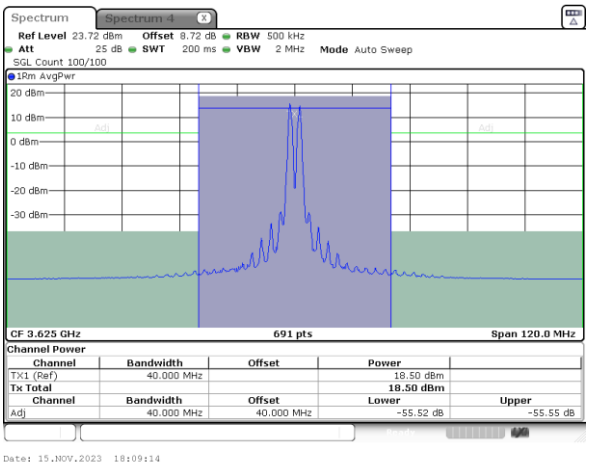
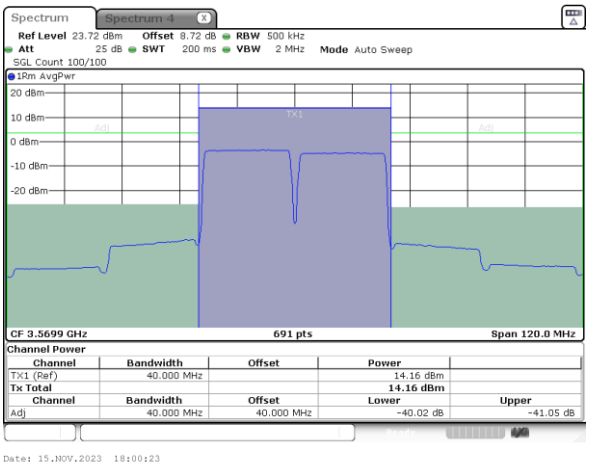
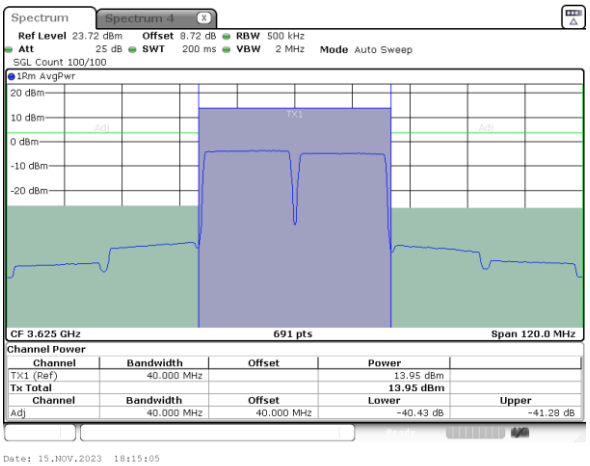
LTE Band 48C / 20MHz+20MHz	
QPSK	
Highest Band Edge / 1RB0 and 1RB99	N/A
	
Highest Band Edge / 1RB99 and 1RB0	N/A
	
Highest Band Edge / Full RB	N/A
	

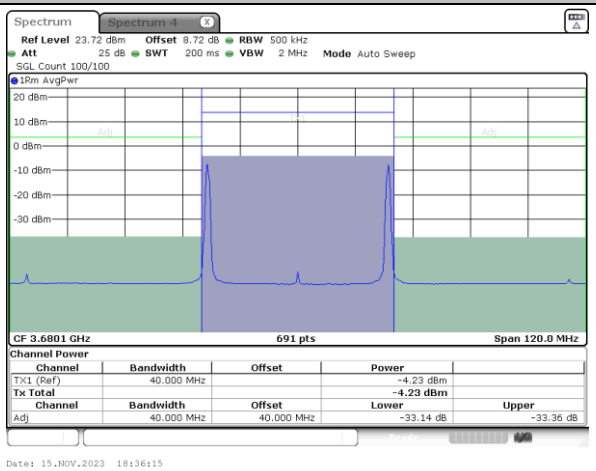
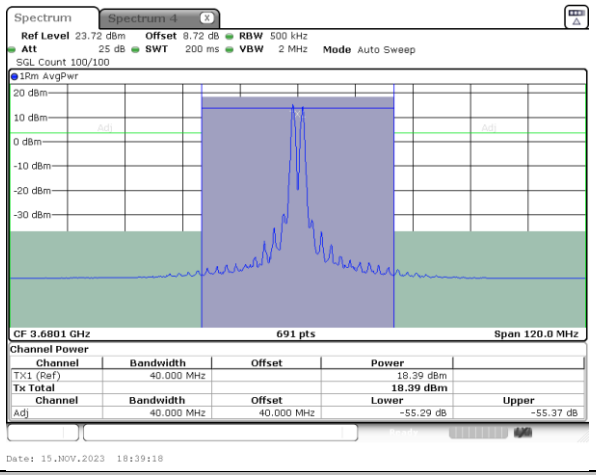
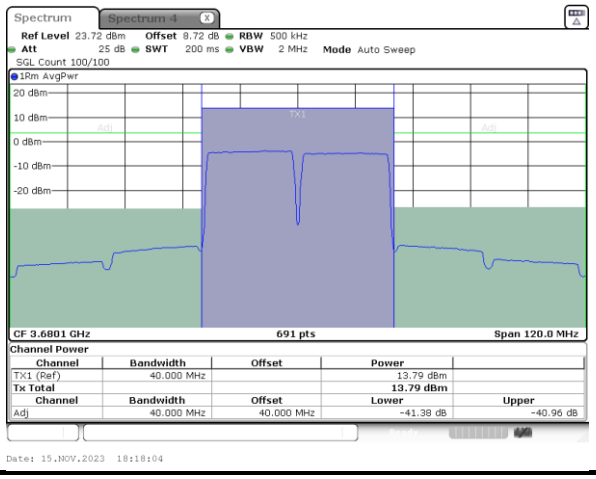
LTE Band 48C / 20MHz+20MHz	
16QAM	
Lowest Band Edge / 1RB0 and 1RB99	Middle Band Edge / 1RB0 and 1RB99
	
Lowest Band Edge / 1RB99 and 1RB0	Middle Band Edge / 1RB99 and 1RB0
	
Lowest Band Edge / Full RB	Middle Band Edge / Full RB
	

LTE Band 48C / 20MHz+20MHz	
16QAM	
Highest Band Edge / 1RB0 and 1RB99	N/A
	
Highest Band Edge / 1RB99 and 1RB0	N/A
	
Highest Band Edge / Full RB	N/A
	

LTE Band 48C / 20MHz+20MHz	
64QAM	
Lowest Band Edge / 1RB0 and 1RB99	**Middle Band Edge / 1RB0 and 1RB99**
	
Lowest Band Edge / 1RB99 and 1RB0	**Middle Band Edge / 1RB99 and 1RB0**
	
Lowest Band Edge / Full RB	**Middle Band Edge / Full RB**
	

LTE Band 48C / 20MHz+20MHz	
64QAM	
Highest Band Edge / 1RB0 and 1RB99	N/A
	
Highest Band Edge / 1RB99 and 1RB0	N/A
	
Highest Band Edge / Full RB	N/A
	

LTE Band 48C / 20MHz+20MHz	
256QAM	
Lowest Band Edge / 1RB0 and 1RB99	Middle Band Edge / 1RB0 and 1RB99
	
Lowest Band Edge / 1RB99 and 1RB0	Middle Band Edge / 1RB99 and 1RB0
	
Lowest Band Edge / Full RB	Middle Band Edge / Full RB
	

LTE Band 48C / 20MHz+20MHz	
256QAM	
Highest Band Edge / 1RB0 and 1RB99	N/A
	
Highest Band Edge / 1RB99 and 1RB0	N/A
	
Highest Band Edge / Full RB	N/A
	

Frequency Stability

Test Conditions		LTE Band 48C(QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0045	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0051	
0	Normal Voltage	0.0034	
-10	Normal Voltage	0.0042	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0017	
20	Battery End Point	0.0035	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris Chen	Temperature :	23~25℃
		Relative Humidity :	41~42%

LTE Band 48 / 20MHz / QPSK ANT5								
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)
Lowest	7099	-56.46	-40	-16.46	-67.92	2.84	14.30	H
	10652	-49.09	-40	-9.09	-59.03	3.49	13.43	H
	14205	-50.03	-40	-10.03	-60.27	3.85	14.09	H
	17758	-43.97	-40	-3.97	-54.27	4.40	14.70	H
	7099	-61.83	-40	-21.83	-73.29	2.84	14.30	V
	10652	-52.37	-40	-12.37	-62.31	3.49	13.43	V
	14205	-54.35	-40	-14.35	-64.59	3.85	14.09	V
	17758	-50.66	-40	-10.66	-60.96	4.40	14.70	V
Middle	7231	-56.85	-40	-16.85	-68.31	2.84	14.30	H
	10850	-45.69	-40	-5.69	-55.63	3.49	13.43	H
	14469	-50.61	-40	-10.61	-60.85	3.85	14.09	H
	7231	-54.53	-40	-14.53	-65.99	2.84	14.30	V
	10850	-43.71	-40	-3.71	-53.65	3.49	13.43	V
	14469	-48.77	-40	-8.77	-59.01	3.85	14.09	V
Highest	7363	-52.69	-40	-12.69	-64.15	2.84	14.30	H
	11048	-45.45	-40	-5.45	-55.39	3.49	13.43	H
	14722	-56.12	-40	-16.12	-66.36	3.85	14.09	H
	7363	-55.35	-40	-15.35	-66.81	2.84	14.30	V
	11048	-43.05	-40	-3.05	-52.99	3.49	13.43	V
	14722	-53.14	-40	-13.14	-63.38	3.85	14.09	V

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

LTE Band 48C / 20+20MHz / QPSK ANT5								
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)
Lowest	7102.18	-59.32	-40	-19.32	-70.06	2.604	13.34	H
	10653.27	-52.88	-40	-12.88	-63.39	3.011	13.52	H
	14204.36	-51.99	-40	-11.99	-62.19	3.271	13.47	H
	7102.18	-59.65	-40	-19.65	-70.39	2.604	13.34	V
	10653.27	-51.57	-40	-11.57	-62.08	3.011	13.52	V
	14204.36	-56.25	-40	-16.25	-66.45	3.271	13.47	V
	7141.78	-59.32	-40	-19.32	-70.06	2.604	13.34	H
	10712.67	-56.97	-40	-16.97	-67.48	3.011	13.52	H
	14283.56	-55.54	-40	-15.54	-65.74	3.271	13.47	H
	7141.78	-59.39	-40	-19.39	-70.13	2.604	13.34	V
	10712.67	-57.06	-40	-17.06	-67.57	3.011	13.52	V
	14283.56	-56.37	-40	-16.37	-66.57	3.271	13.47	V
Middle	7212.38	-58.12	-40	-18.12	-68.86	2.604	13.34	H
	10818.57	-49.03	-40	-9.03	-59.54	3.011	13.52	H
	14424.76	-50.95	-40	-10.95	-61.15	3.271	13.47	H
	7212.38	-58.73	-40	-18.73	-69.47	2.604	13.34	V
	10818.57	-50.81	-40	-10.81	-61.32	3.011	13.52	V
	14424.76	-55.93	-40	-15.93	-66.13	3.271	13.47	V
	7251.98	-59.67	-40	-19.67	-70.41	2.604	13.34	H
	10877.97	-56.81	-40	-16.81	-67.32	3.011	13.52	H
	14503.96	-54.87	-40	-14.87	-65.07	3.271	13.47	H
	7251.98	-59.60	-40	-19.60	-70.34	2.604	13.34	V
	10877.96	-57.40	-40	-17.40	-67.91	3.011	13.52	V
	14503.96	-56.40	-40	-16.40	-66.60	3.271	13.47	V
Highest	7322.58	-59.54	-40	-19.54	-70.28	2.604	13.34	H
	10983.87	-43.13	-40	-3.13	-53.64	3.011	13.52	H
	14645.16	-53.16	-40	-13.16	-63.36	3.271	13.47	H
	7322.58	-59.64	-40	-19.64	-70.38	2.604	13.34	V
	10983.87	-46.89	-40	-6.89	-57.40	3.011	13.52	V
	14645.16	-55.87	-40	-15.87	-66.07	3.271	13.47	V
	7362.18	-59.94	-40	-19.94	-70.68	2.604	13.34	H
	11043.27	-57.19	-40	-17.19	-67.70	3.011	13.52	H
	14724.36	-55.14	-40	-15.14	-65.34	3.271	13.47	H
	7362.18	-60.42	-40	-20.42	-71.16	2.604	13.34	V
	11043.27	-57.21	-40	-17.21	-67.72	3.011	13.52	V
	14724.36	-56.29	-40	-16.29	-66.49	3.271	13.47	V

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