

ENGINEERING TECHNICAL DOCUMENT

PARA/TO:	DE/FROM:
TIMCO	JLR
ORGANIZACIÓN/ORGANIZATION:	FECHA/DATE:
TIMCO	January 10th 2023
ASUNTO/SUBJECT:	Nº DE REFERENCIA / REFERENCE NUMBER:
EM3K5 Power and Spurious Test	IT-2023011003

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2. DESCRIPTION OF THE EUT

Identification	
FCC ID:	KEUEM3K5DIG
Brief Description	3.5KW FM Broadcast Transmitter
Model	EM 3K5 HE CMT
Serial Number	23801004

3. TEST EQUIPMENT USED

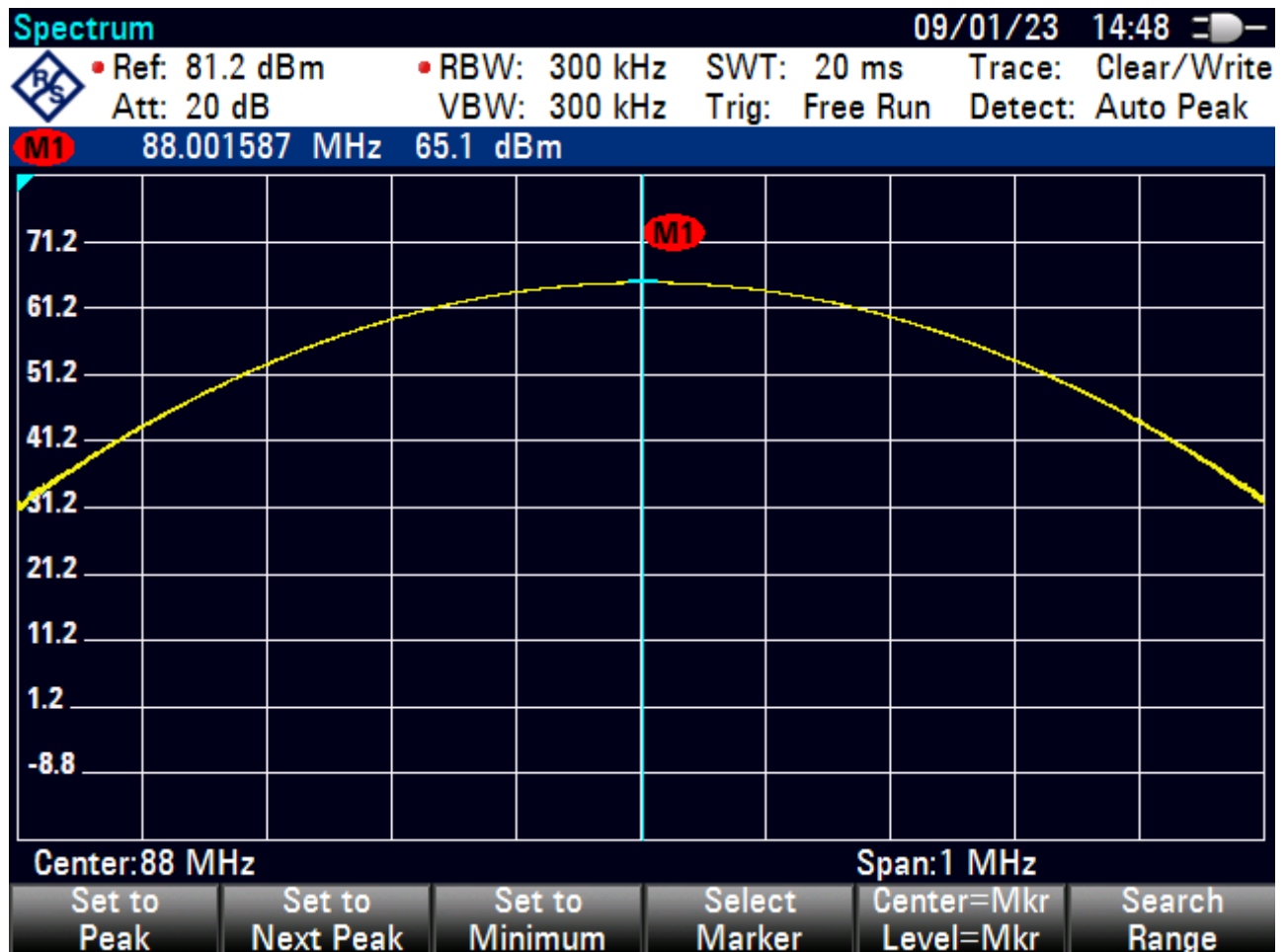
Test Equipment				
Device	Manufacturer	Model	Serial N#	Current Cal
Spectrum Analyzer	Rohde&Schwarz	FSH8 1309.6000K28	115896	2022-Oct-07

4. MEASUREMENTS

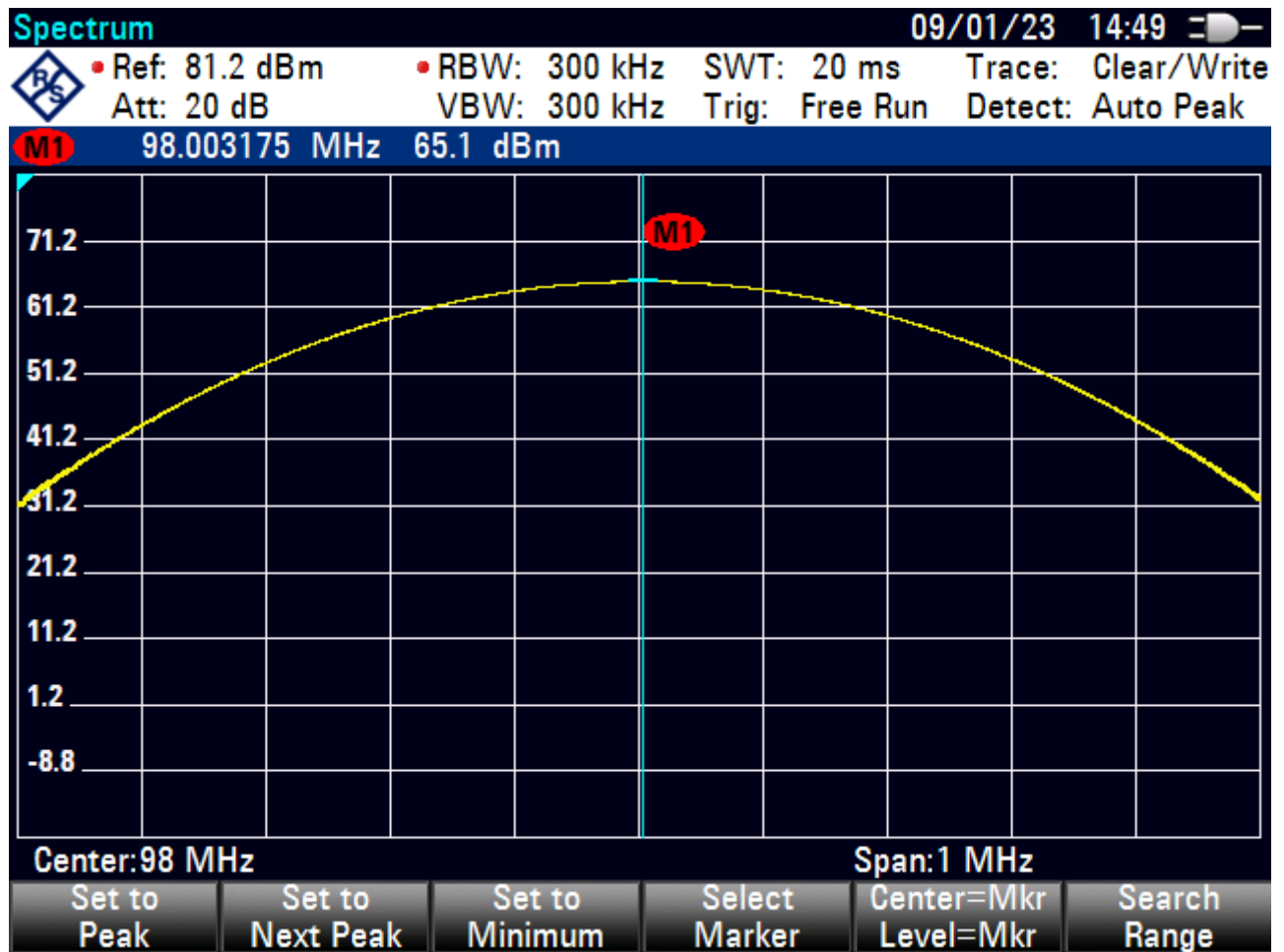
4.1. RF POWER OUTPUT

Frequency (MHz)	Power Output (dBm)	Power Output (W)
88	65.1	3235.93
98	65.1	3235.93
108	65.1	3235.93

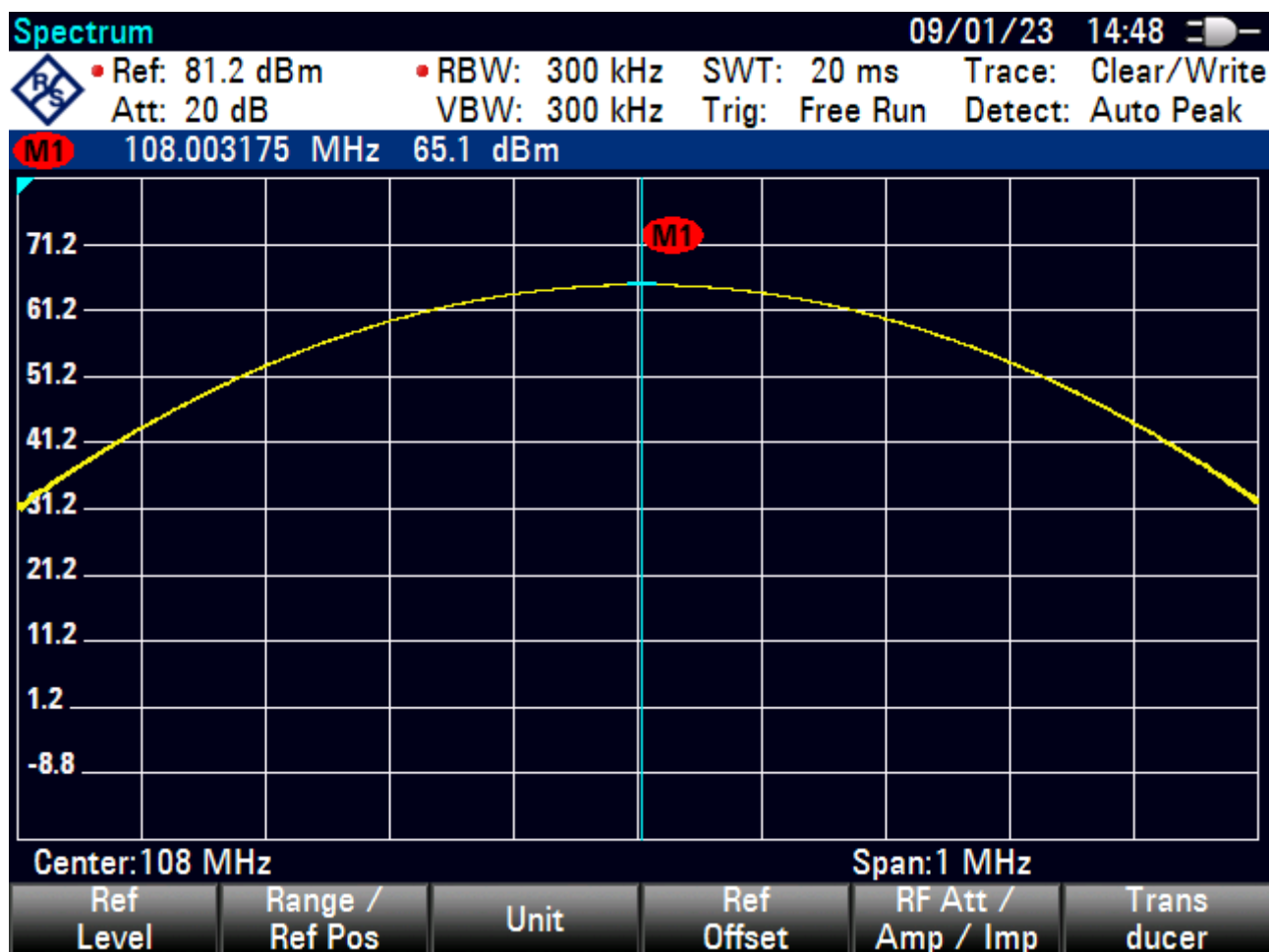
4.1.1. RF OUTPUT POWER PLOT, 88MHZ



4.1.2. RF OUTPUT POWER PLOT, 98MHZ

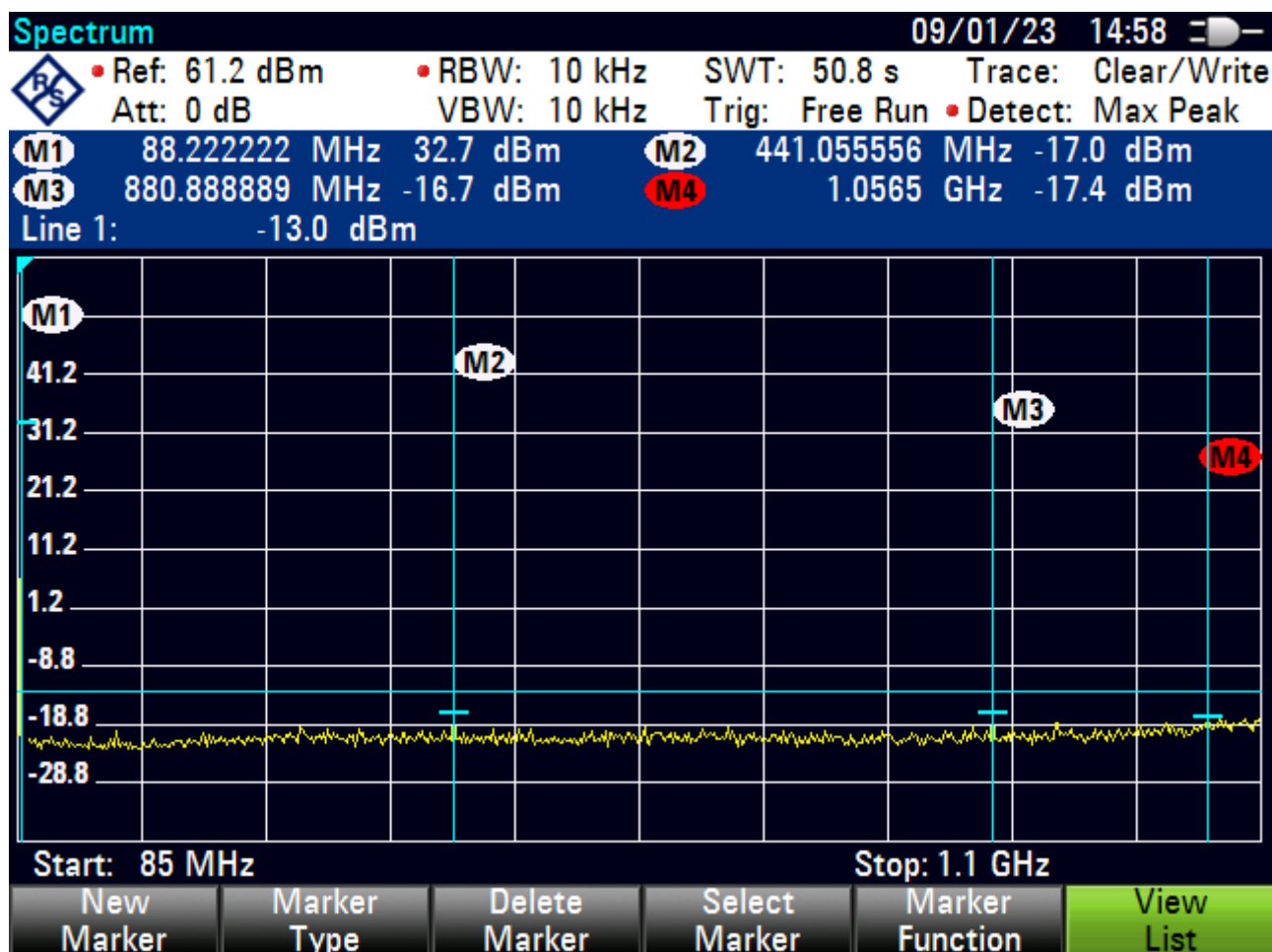


4.1.3. RF OUTPUT POWER PLOT, 108MHZ

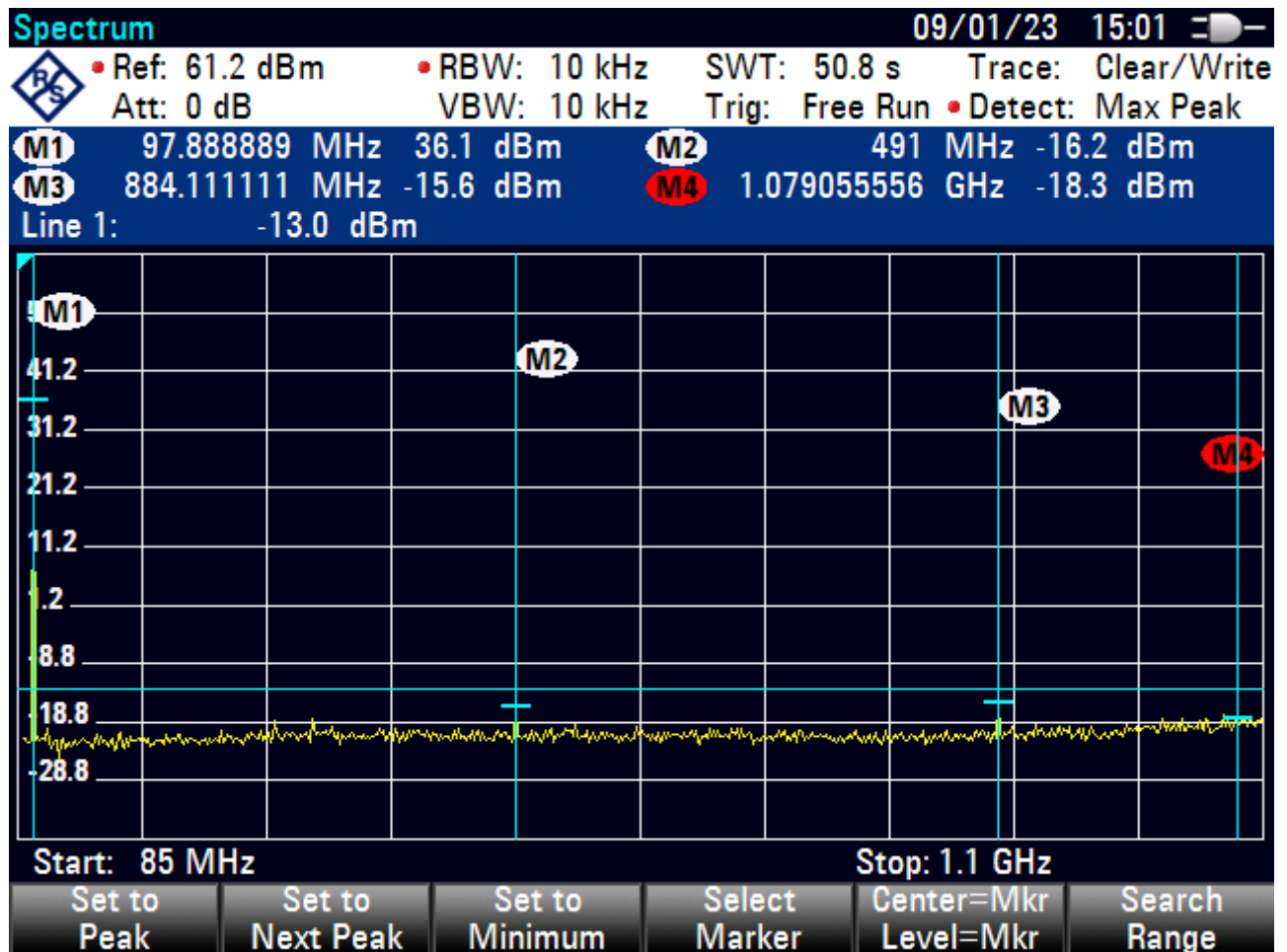


4.2. SPURIOUS EMISSIONS AT ANTENNA TERMINALS (CONDUCTED)

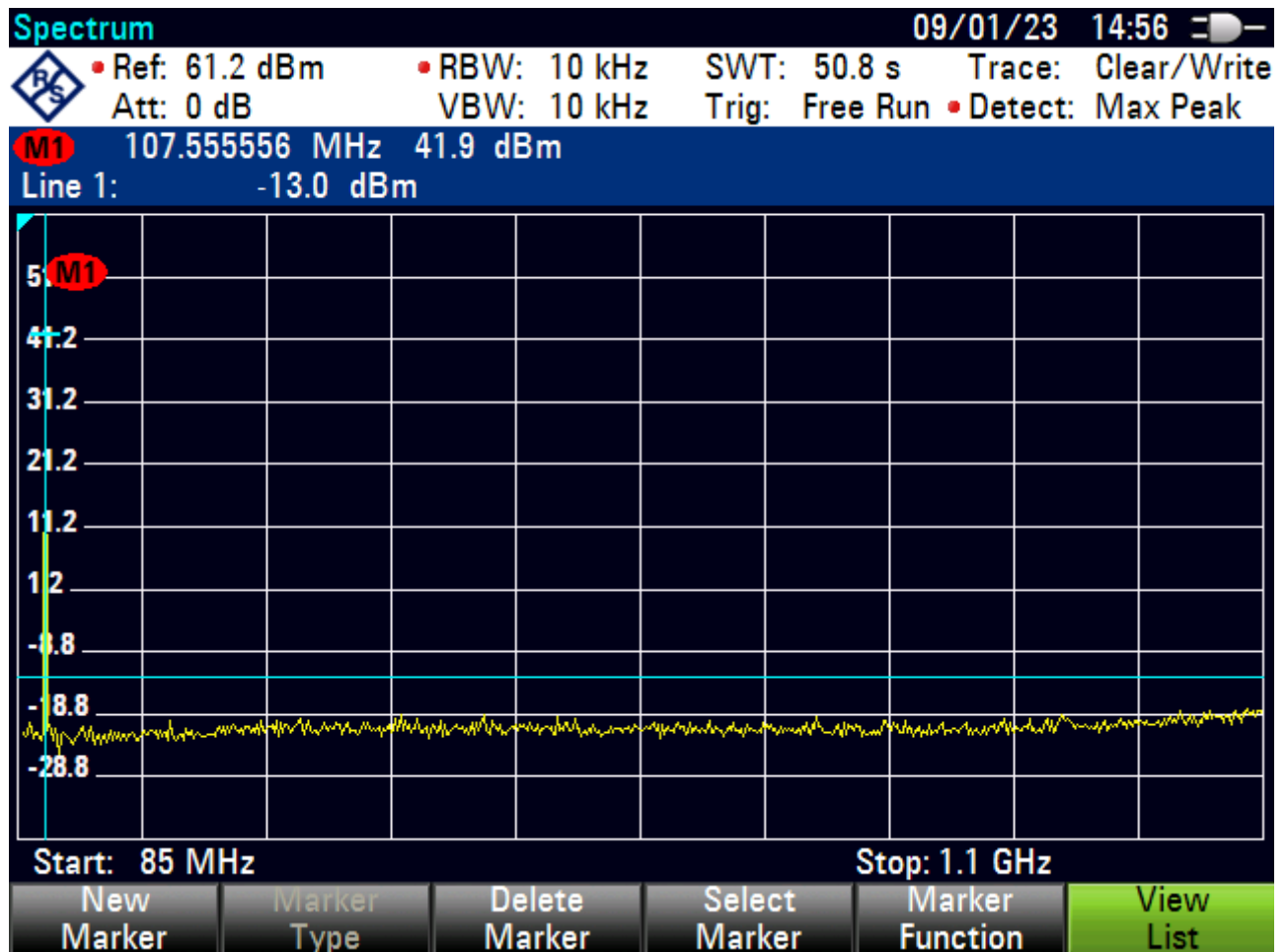
4.2.1. SPURIOUS EMISSIONS, 88MHZ



4.2.2. SPURIOUS EMISSIONS, 98MHZ



4.2.3. SPURIOUS EMISSIONS, 108MHZ



5. TEST SET PICTURES



