The power measurement for UL CA, LTE and 5GNR is to establish a connection between device and call box, and via call box to configure BWs, RB size, carrier aggregation of CA, frequency channels, SCS and maximum output power. Hereunder are screenshots for the call box connection information for ULCA, LTE and 5GNR.

Phone2 UTE 30.6054017	Phone1 LTE 30.605¥017	Operation Band Channel Band	Input Level +3dB 35.0 dBn width Output Level MH2 54.2 dBn	Measurement C TS36.508 and TS	MT8821C 2017/06/13 19:52 RF Output : On DL 20Cs UL 20Cs Cont.		
PCC SC	ica sccz sccz scc4	Measurement	Signaling		L.	JE Power : 21.0 dBm	
Common		> Fundamental > Numeric			-	Main Screen	Home
Physical Channel	General	Source Measurement			77 50)	Fundamental Sub Screen	< Preset
GI	Frequency	Total	Avg. Max.	Min.		Numeric	Measuring
Processing	Level	TX Power PCC	21.90 21.95	21.77 d8m		Teg	(UL CA TX)
TX Measurement	Signal	TX Power Channel Power	21.00 21.23 20.99 21.23	20.10 dBm 20.09 dBm		Power	Rx
RX	Channel Coding RMC(DL/UL CA)	SCC-1 TX Power	14.64 16.91	13.63 dBm		Measurement	•→ Single
Measurement	Antenna Combination	Channel Power	14.64 16.90	13.62 dBm			0
Measurement	Antenna Configuration Single Antenna(1)(1)	S Throughput			View		Continuous
	Beamforming	Measurement Status DL	Measuring_				Connected
Test Parameter	DCI Format for Single Antenna	Throughput(Total) PCC	15768 kbps (=	100.00 %)			
	Propagation Matrix	Throughput (Code Word 0		100.00 %)			C.
	User Define Channel Model	(Code Word 1		%))			Start Call
Band Definition	(Channel 1to1/2/3/4 Gain/Phase) 1.00 0.0 degree	Block Error Rate	0.0000 0.00E+000				C End Call
External	0.00 0.0 degree 0.00 0.0 degree	Error Count	0	0 ANY	0		
Loss	0.00 0.0 degree (Channel 2to1/2/1/4 Gain/Phase)	Transmitted/Sample		0 Block	<u> </u>		< Menu
System Config	0.00 0.0 degree 1.00 0.0 degree	SCC-1					C. Meria

## Call box ULCA setup screenshot

## Call box LTE setup screenshot

Phone2 LTE 30.605#017	✓ Phone1 LTE 30.605#017	UL Channel 18900 ch         TPC Pattern All +3d8         Input Level 15:0 dBm         Throughput [LxC] @ TPUT_MEAS This sets whether to perform the throughput measurement.           Operation Band 2         Channel Bandwidth 20 Miltz         Output Level S42 dBm         S42 dBm	MT8821C 2017/06/13 17:44 RF Output : On
PCC SC	ca scc2 scc3 scc4	Measurement Signaling UE Power : 22.8 dBm	
Common		Fundamental > Numeric	Home
Physical Channel	Seneral	Power Measurement     ( 50/ 50)     Sub Screen	< Preset
Call Processing	Measurement Item     Measurement Item     Normal	Avg.         Max.         Min.           TX Power         22.87         22.88         22.85 dBm           Channel Power         22.86         22.87         22.85 dBm	Measuring
TX Measurement	Power Measurement 50 COn	Modulation Analysis (1/1) View Power Moscurement	Tx Rx
RX Measurement	Power Template  Power Control Tolerance	Freq. Err 0.01 ppm EVM 1.82 %(rms)	●→ Single
Fundamental Measurement	Orr Occupied Bandwidth	Throughput View Measurement Status Measuring	Continuous
Test Parameter	Spectrum Emission Mask 1 Off Adjacent Channel Power 1 Off	DL         Throughput         7894         kbps         (= 100.00 %)           (Code Word 0	Connected
	Modulation Analysis 1 0n Throughput	000E+000 Error Count 0	Start Call
Band Definition	cqt	MACK         0         DTX         0         ANY         0)           Transmitted/Sample         900         /         2000 Block	End Call
External Loss	* OK	UL Throughput 8760 kbps (= 100.00 %)	-
System Config		Error Count/Received 0 / 1000	< Menu

## Call box 5GNR setup screenshot

5G NR V08.90.21#000 *SA-FDD Power Me					asurement - Count 🔒 PWR_AVG			😸 – X	
PCC :	scc1 scc2	Q	DL Center Channel 392500 Operation Band 2	TPC Pattern All +3dB DL Channel Bandwidth 20MHz	Input Level 26.7 dBm Output Level -45.0 dBm		• • • • • • • •	۹. ۲. ۲. ۲. ۲. ۲. ۹. ۹. ۹. ۹. ۹. ۹. ۹. ۹. ۹.	<ul> <li>MT8000A</li> <li>2023/07/26 17:13</li> <li>Ref. Int</li> <li>User Cal</li> </ul>
Level / Freq Cell	Seneral		Measurer	nent	Signaling		ι	IE Power : 23.4 dBm	
Level / Freq Routing / ARB	So Measurement Ite	em	S Fundament	tal 🔪 Numeric			—	Main Screen	A Home
Physical Channel	Measurement Item	Normal	Server Me	asurement		( 8/	· 50)	Fundamental Sub Screen	< Preset
Call Processing	Power Measurement 50 Power Template		Tx Power		Avg. Max. 23.27 23.36	Min. 23.25 dBm		Numeric	Measuring
Tx Measurement Rx	1 Power Control Tolerand		Channel Pc	wer Bandwidth	23.27 23.36	23.25 dBm	– / 10) View	Tag Power	Tx
Measurement OTA Position Fundamental Measurement	Occupied Bandwidth 10 Spectrum Emission Mat 10 Adjacent Channel Powe 10	• Off	OBW Upper Freq Lower Freq	uency	18.772 MHz 9.386 MHz -9.386 MHz 1882.500 MHz		view	Measurement	•→ Single Continuous
	Modulation Analysis 10 Throughput	• Off • Off							NR Connected
Test Parameter									Start Call
External Loss									End Call
System Config									< Menu