



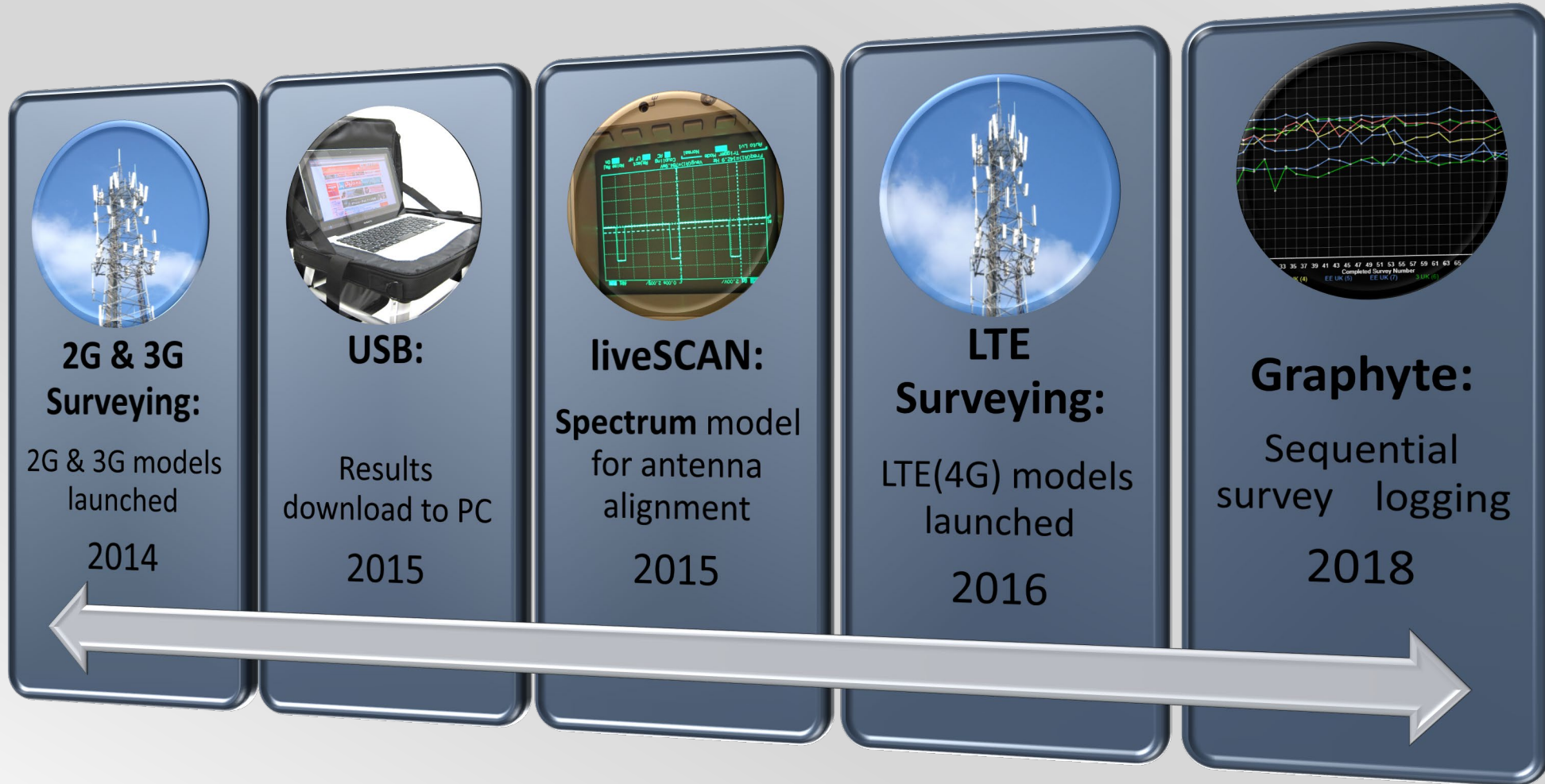
SNYPER-LTE Graphyte

"Show Me How Guide" Rev 1.3



Note: This guide applies to SNYPER-LTE Graphyte (EU) Software rev. 06.08.48 onwards

SNYPER-LTE Graphyte: The SNYPER Story



SNYPER-LTE Graphyte: Main Menu



- ❖ Saved Results – Stored Surveys
- ❖ Survey – Conducting a survey
- ❖ Setup – Configuring your settings
- ❖ PC Connect – USB download of results to PC



SNYPER-LTE Graphyte: Setup Menu



- ❖ **Languages:**
 - English/French/German/Italian/Spanish
- ❖ **Display:**
 - Brightness & text colour
- ❖ **Auto Off:**
 - Dimming control
 - Automatic power off after set time period
- ❖ **Documents:**
 - Enabling/disabling survey files saved to the device
- ❖ **Sound:**
 - On/Off linked to Keypad-On/Off
- ❖ **System**
 - Standard/Advanced/Engineer Modes
 - Region Coverage
- ❖ **Set Time**
 - Important to set for timestamping results
- ❖ **Factory Reset:**
 - Reset to default settings



SNYPER-LTE Graphyte: Conducting a New Survey



❖ Conduct individual surveys

- LTE(4G)
- UMTS(3G)
- GSM(2G)

❖ Conduct a combined survey

- FULL(2G, 3G & 4G combined)



SNYPER-LTE Graphyte: Setting your Survey Requirements



❖ Set “Cycles”

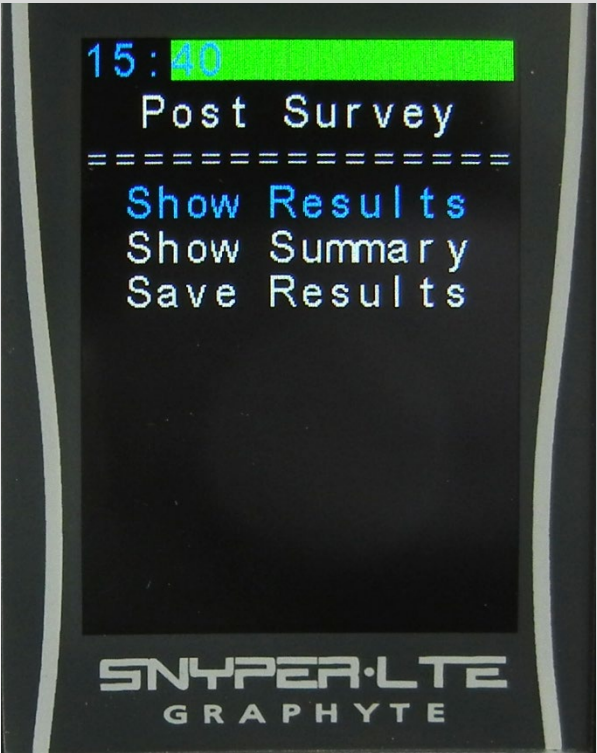
- The no. of surveys you wish to conduct
- 10 pre-set levels
- 1, 5, 10, 15, 25, 50, 75, 100, 200, 500

❖ Set the “Time”

- The time interval between each survey start
- 12 pre-set time intervals
- 0, 5, 10, 15, 30, 45mins, 1, 2, 3, 6, 12, 24 hrs



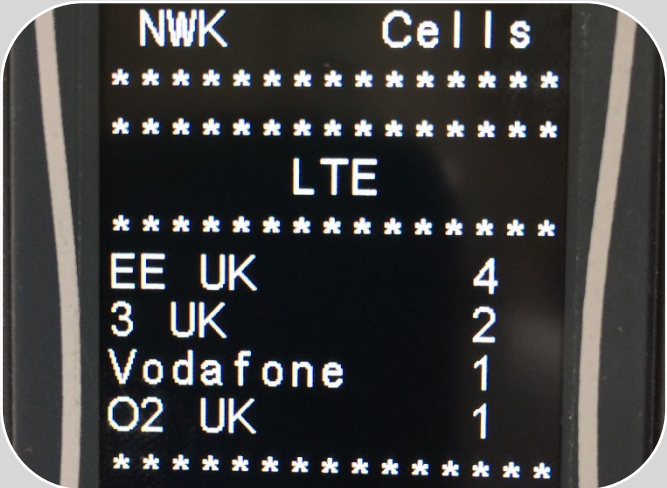
SNYPER-LTE Graphyte: Post Survey Results



SHOW RESULTS:
An LTE Result Index
Showing key metrics



SHOW SUMMARY:
Visible Base-Stations at
defined signal level



SNYPER-LTE Graphyte: Saved Survey Results



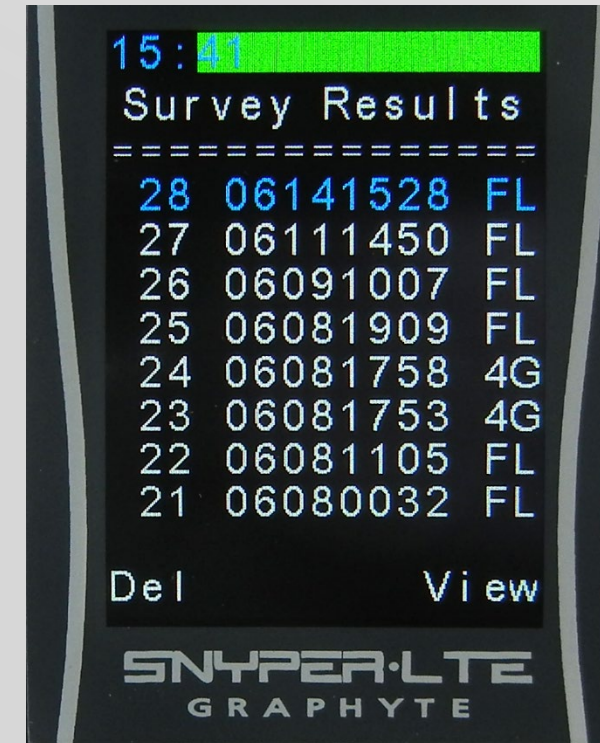
❖ Sequenced Files

❖ Date & Time Stamped

- Format: Month-Day-Hour-Minutes

❖ Suffixed by type of Survey

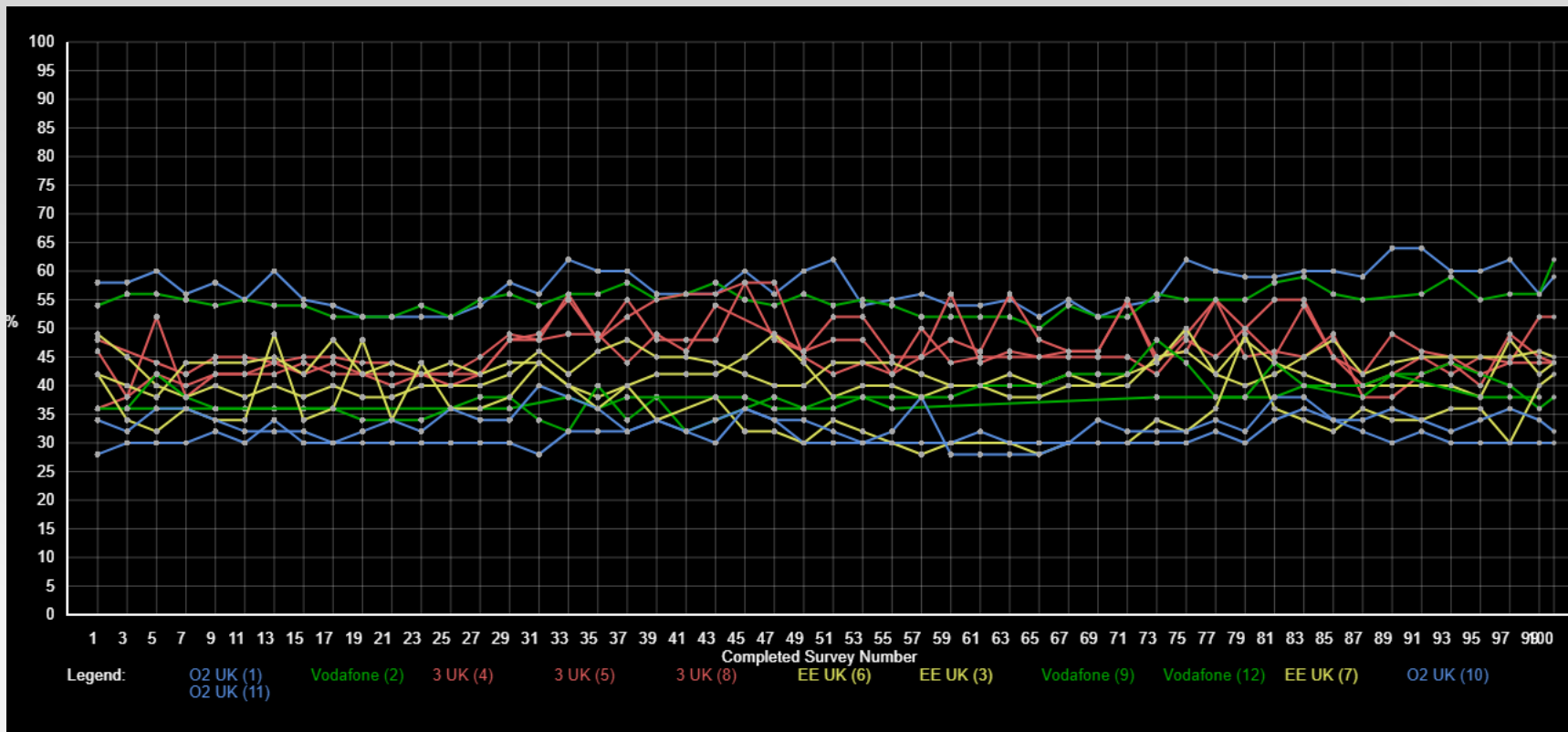
- 2G, 3G, 4G
- FL(Combined 2G, 3G & 4G)



SNYPER-LTE Graphyte: HTML Results Analysis



SNYPER-LTE Graphyte HTML Graphics – 3G(UMTS)



Survey Log: 2 days 2hours

100 Surveys

One survey every 30mins.

Most Consistent Highest 3G Level
Signal is the top O2 signal (blue
trace)

Most prevalent provider at higher
signal level is 3UK (red traces)

SNYPER-LTE Graphyte: CSV Log Files



LTE(4G) Survey (CSV Snapshot)

❖ Survey CSV Files provide detailed base-station information

- Survey Summary Log – averaged data over the whole test period
- Sequential Log of every survey
- Many parameters of base-station data

TimeStamp:	Ind:	xRFCN:	dBm:	%:	RSSI:	MCC:	MNC:	CellID:	LAC/TAC:	Band:	Net Name:
03/06/2018 23:20	1	6300	-62	51	39	234	15	2757898	57395	800	Vodafone
03/06/2018 23:20	2	6400	-63	49	37	234	10	2757998	50256	800	O2 UK
03/06/2018 23:20	3	1667	-69	41	31	234	30	7379714	11032	1800	EE UK
03/06/2018 23:20	4	6175	-74	35	27	234	20	3256584	6517	800	3 UK
03/06/2018 23:20	5	6225	-76	32	24	234	30	8264973	11030	800	EE UK
03/06/2018 23:20	6	6225	-77	31	24	234	30	8424462	11030	800	EE UK
03/06/2018 23:20	7	3350	-78	29	22	234	30	7379720	11032	2600	EE UK
03/06/2018 23:20	8	1392	-79	28	21	234	20	458498	2442	1800	3 UK
03/06/2018 23:20	9	347	-86	19	14	234	15	2757902	57395	2100	Vodafone

❖ liveSCAN CSV Files

- Showing signal strength level of an individual base-station selected from your survey results.
- Note: liveSCAN logs should only be taken from the exact same location as the original survey results from which it is being selected.

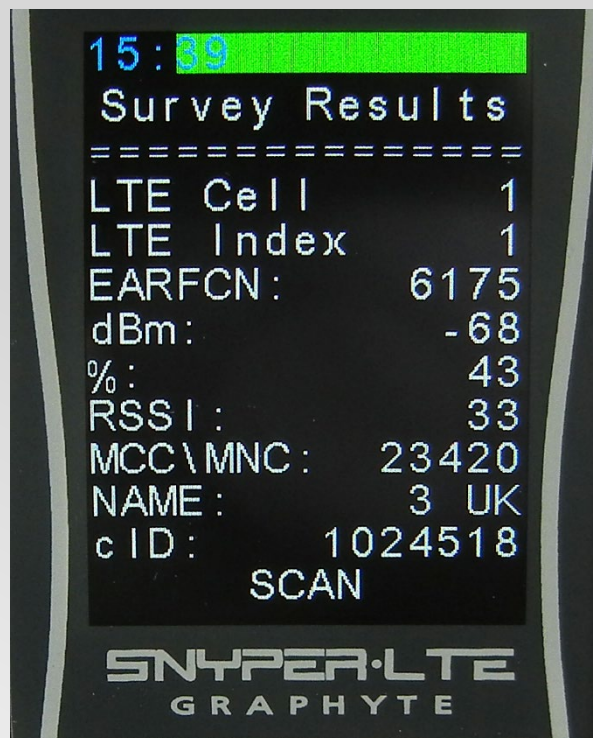
liveSCAN Log File(Snapshot)

Time:	Elapsed:	dBm:	%:	RSSI:
112	00:01:52	-75	33	25
114	00:01:54	-76	32	24
116	00:01:56	-73	36	27
118	00:01:58	-76	32	24
120	00:02:00	-78	29	22
122	00:02:02	-76	32	24
124	00:02:04	-78	29	22

SNYPER-LTE Graphyte: liveSCAN



1. Select Result



2. Press Scan

3. liveSCAN activates

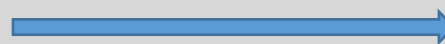


4. View Signal Level, Average Signal Level & Operator

SNYPER-LTE Graphyte: Carrycase & Accessories



- PSU with adapters
- USB Cables
- Omni Antennas
- Directional Antenna
- Extn. Cable for Dir. Antenna
- Tripod & Cradle



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Thank you