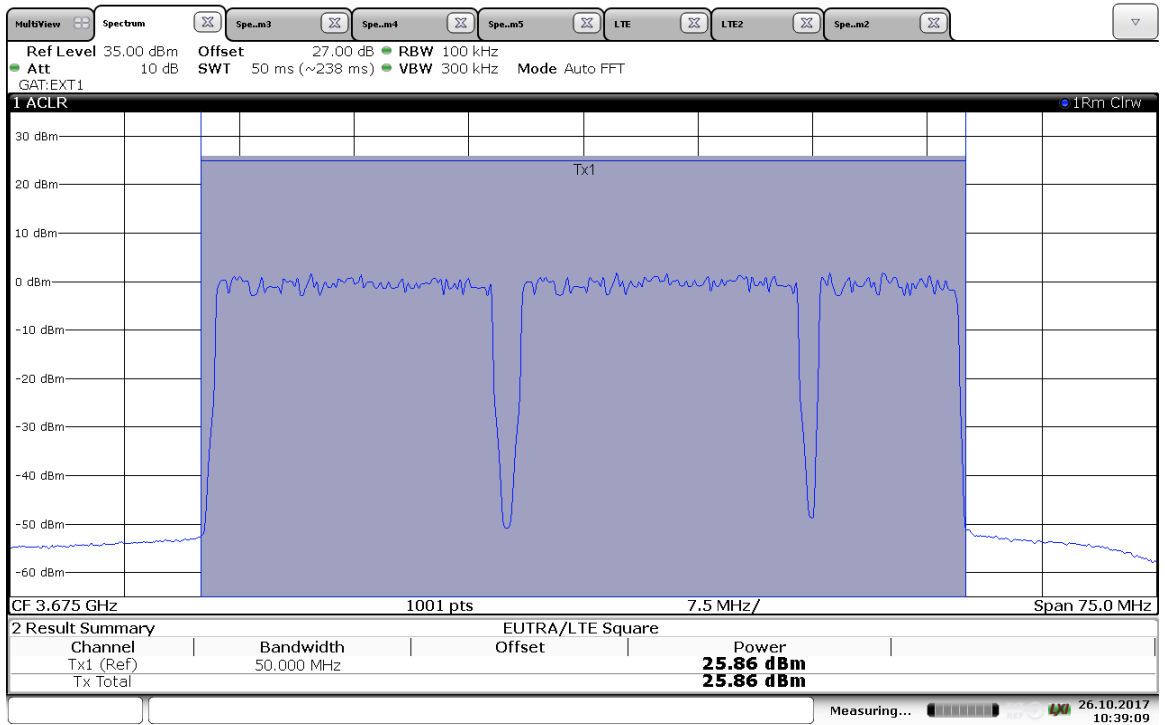
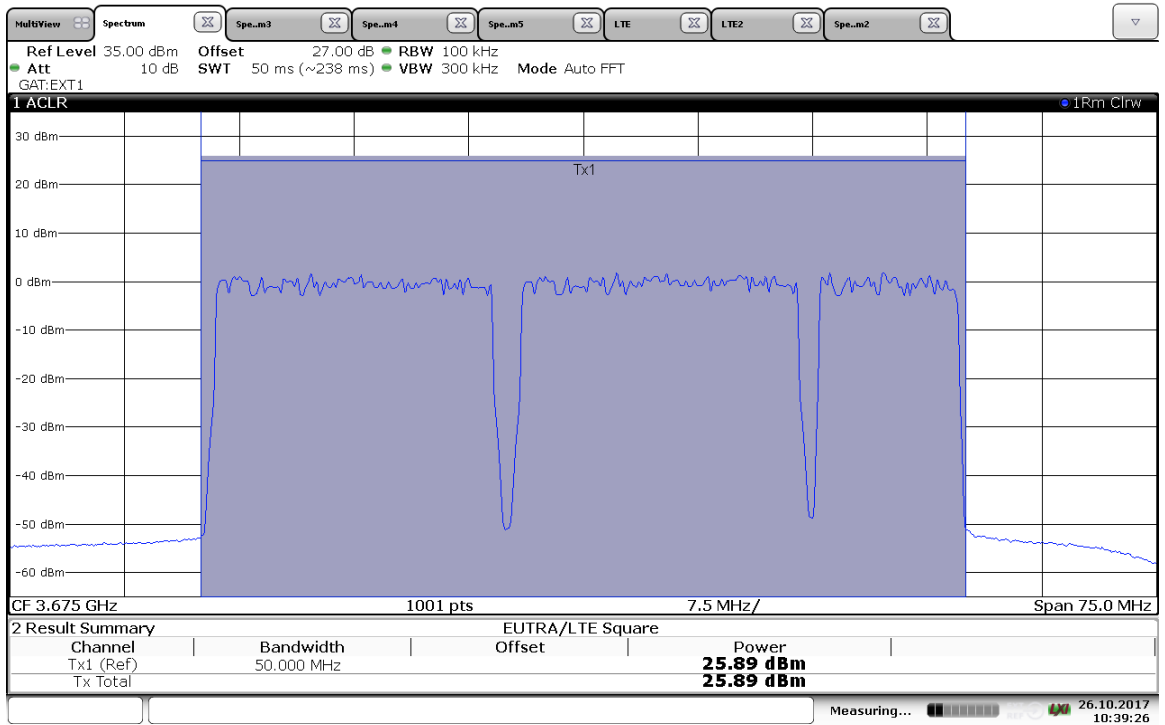


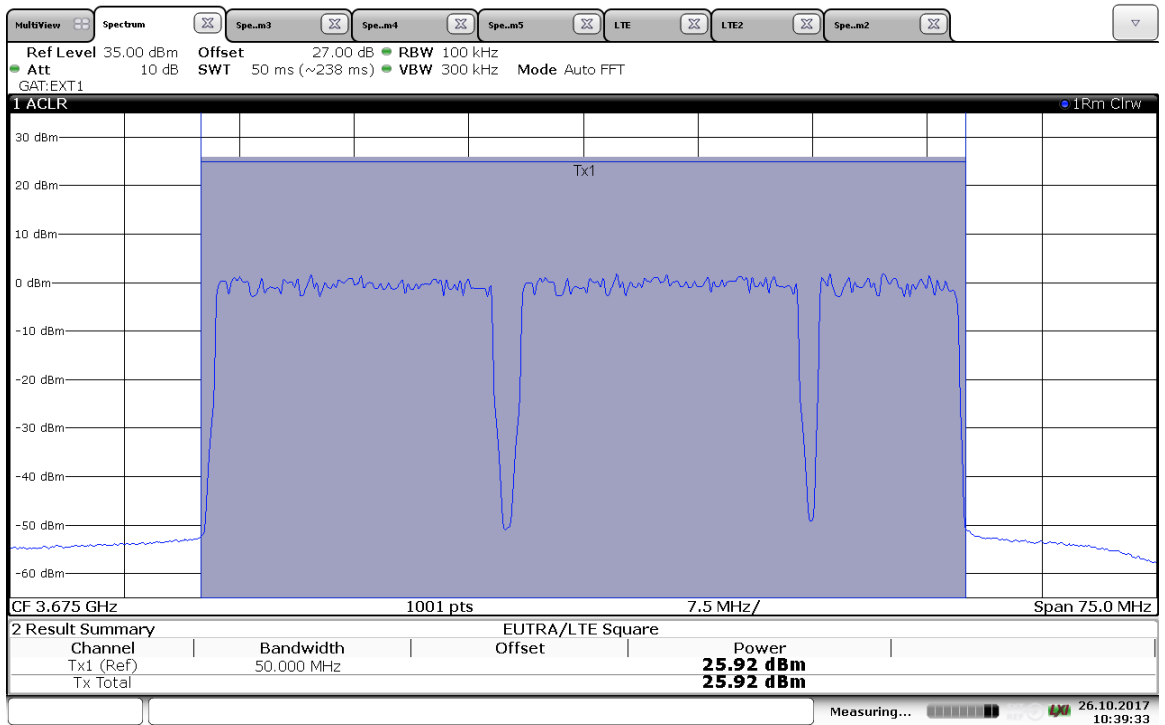
11:04:28 26.10.2017



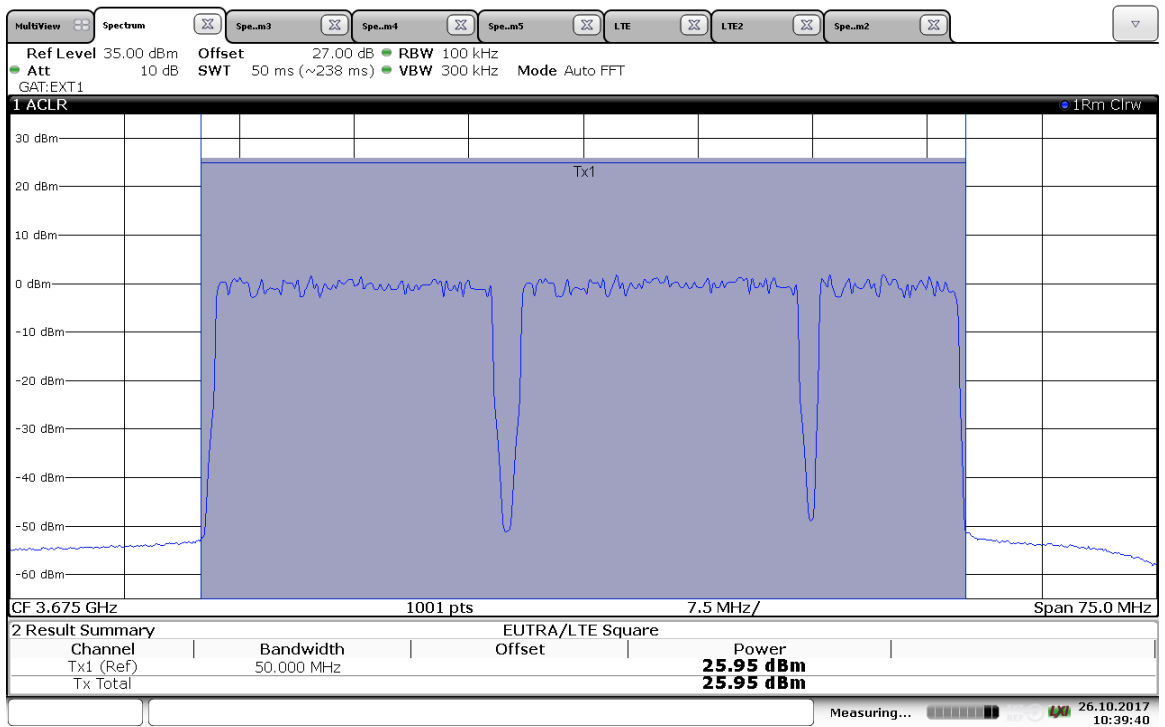
10:39:10 26.10.2017



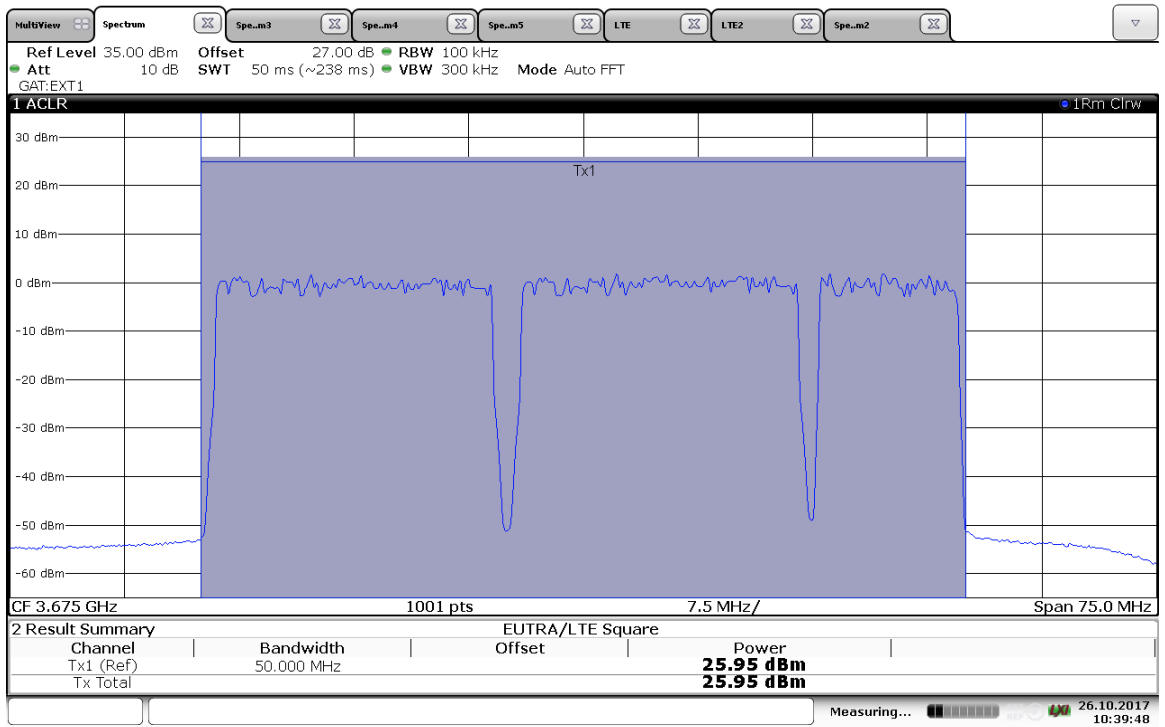
10:39:26 26.10.2017



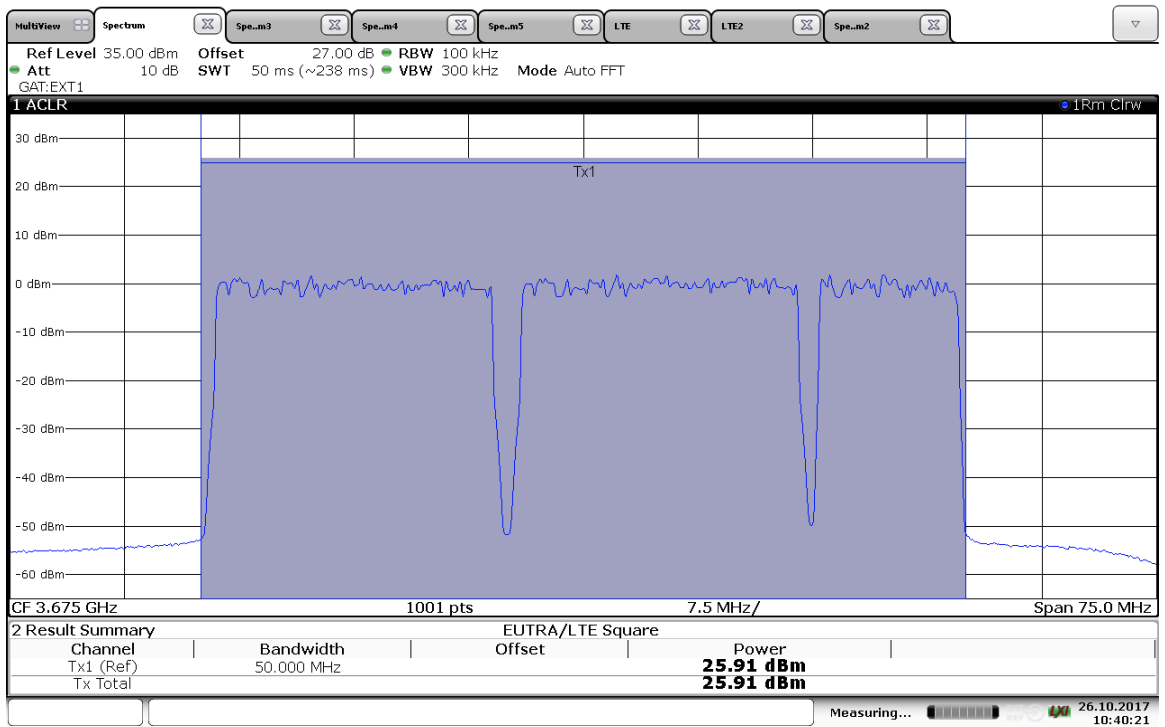
10:39:33 26.10.2017



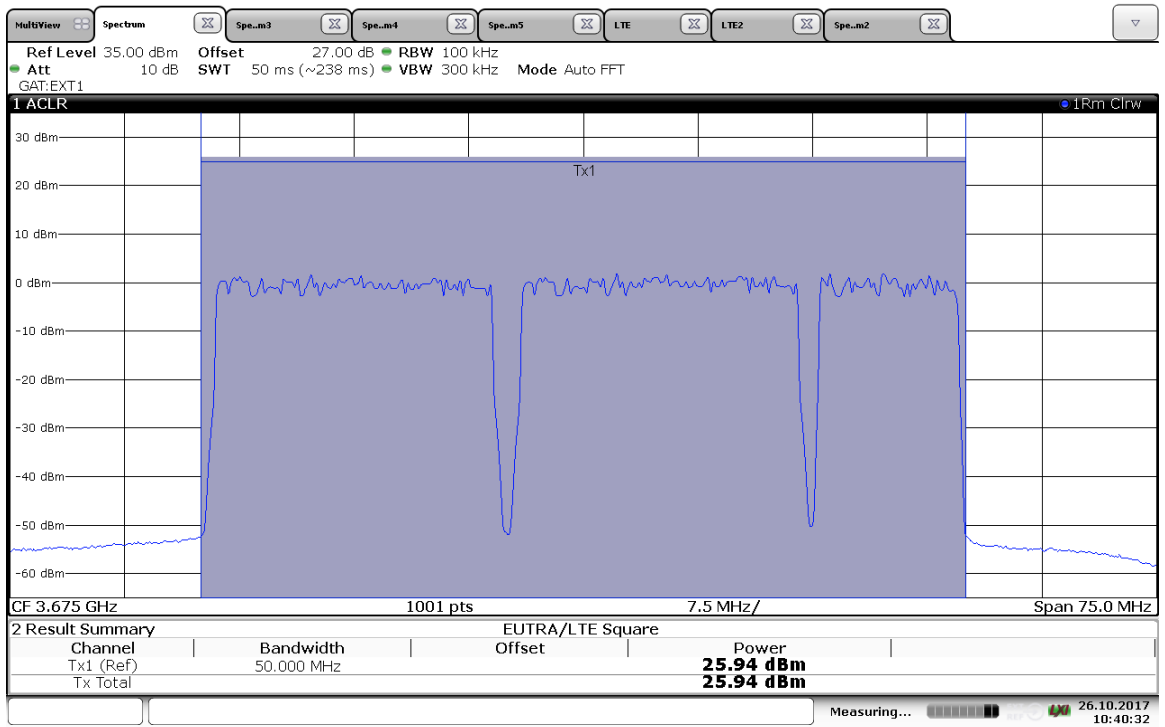
10:39:40 26.10.2017



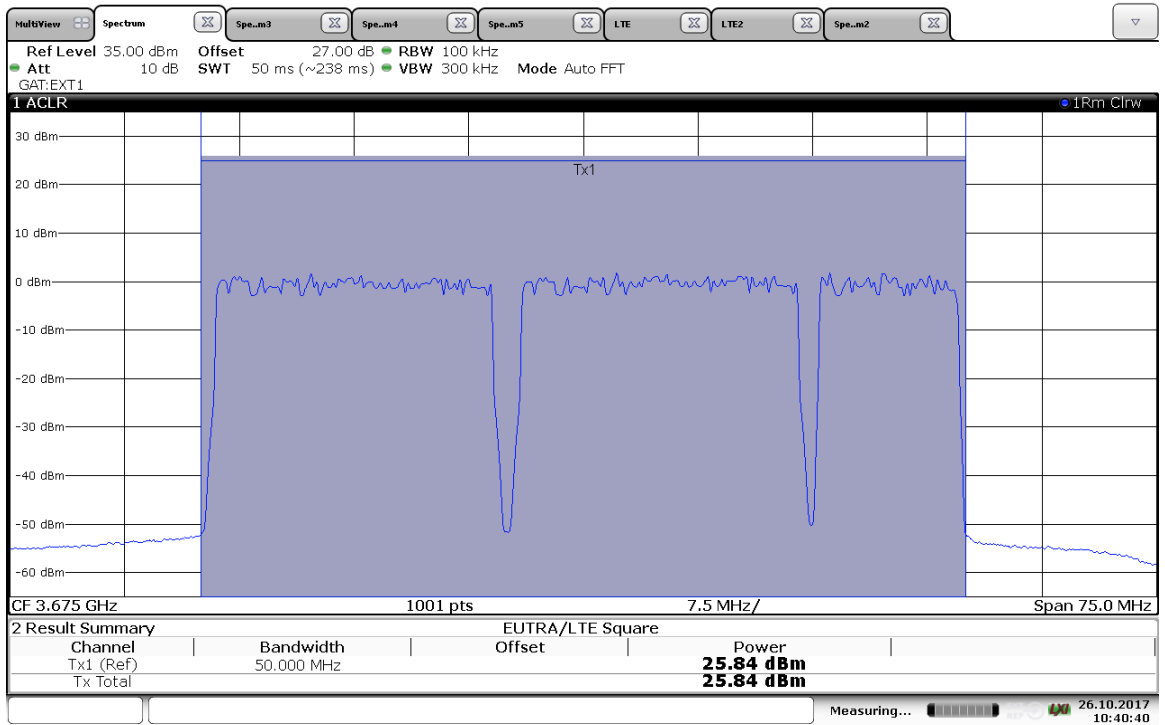
10:39:49 26.10.2017



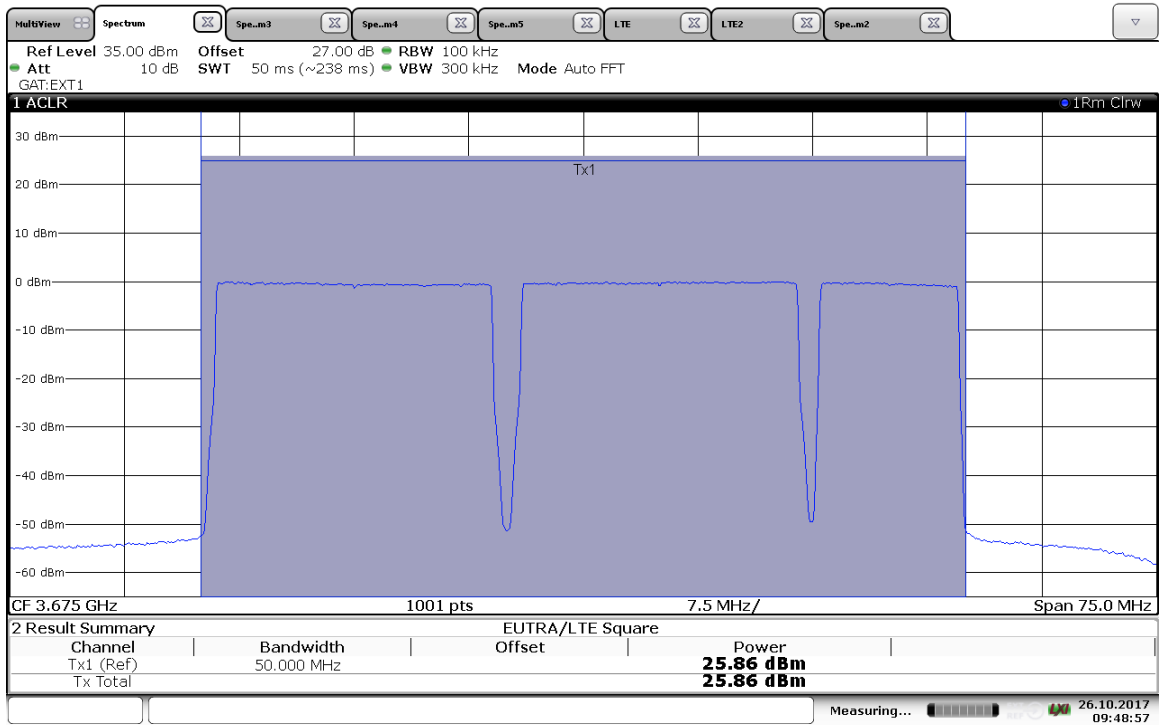
10:40:22 26.10.2017



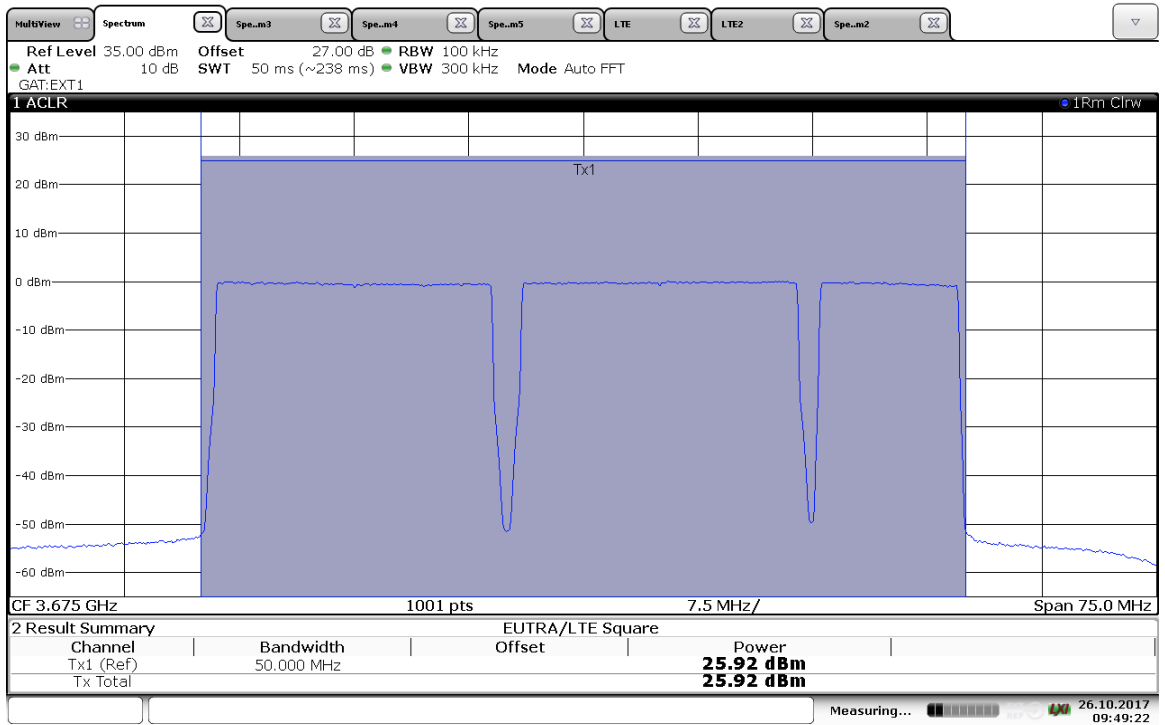
10:40:33 26.10.2017



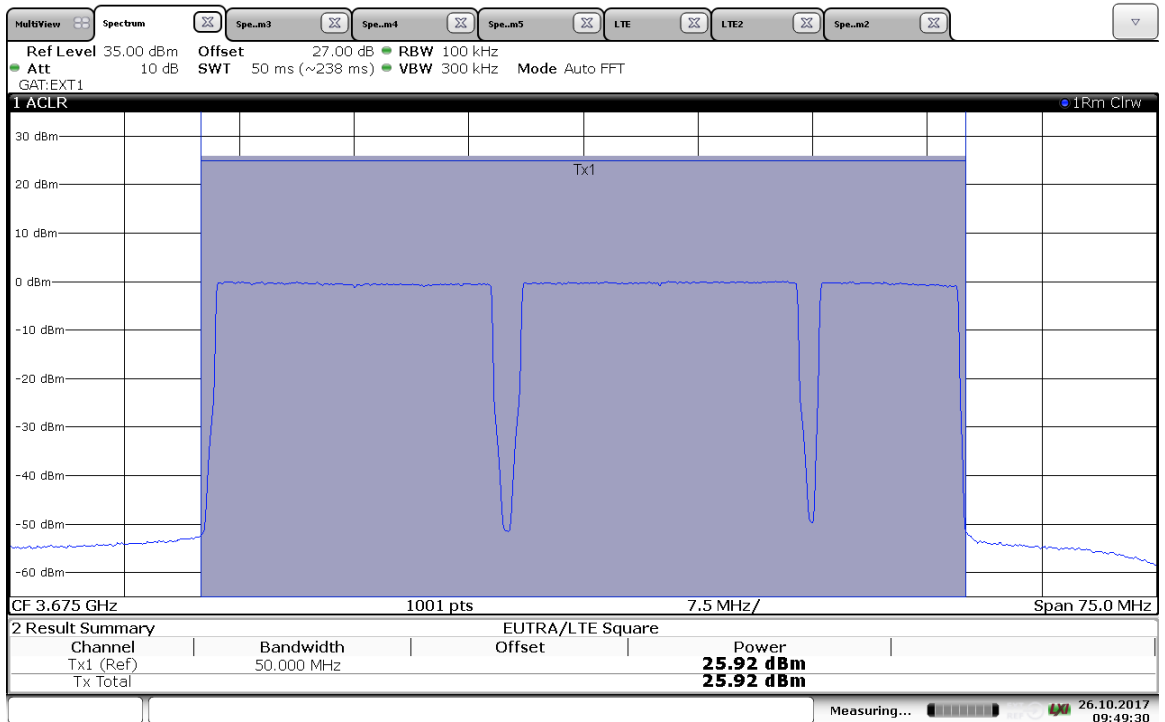
10:40:41 26.10.2017



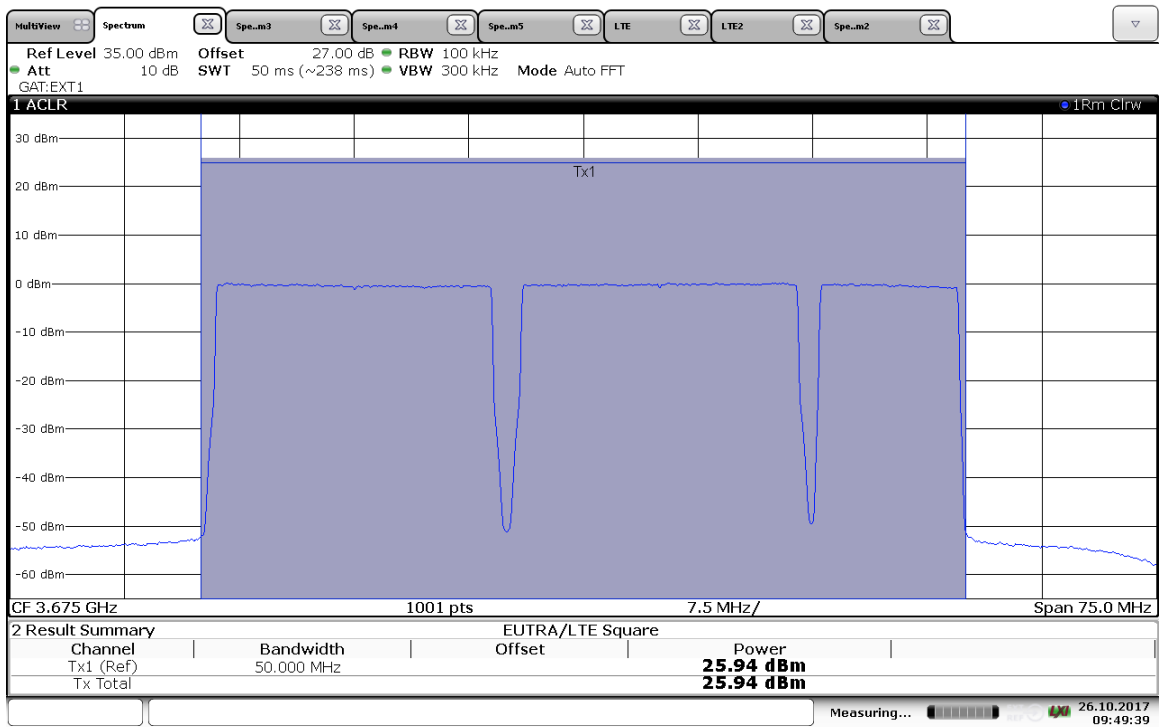
09:48:57 26.10.2017



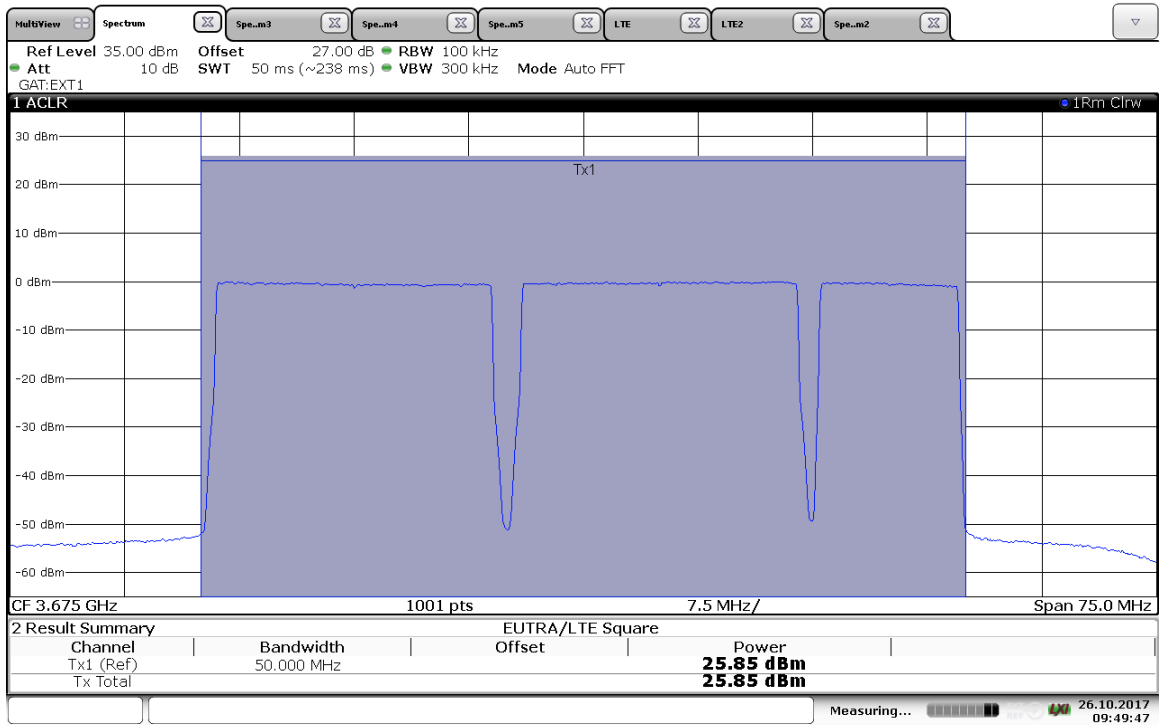
09:49:23 26.10.2017



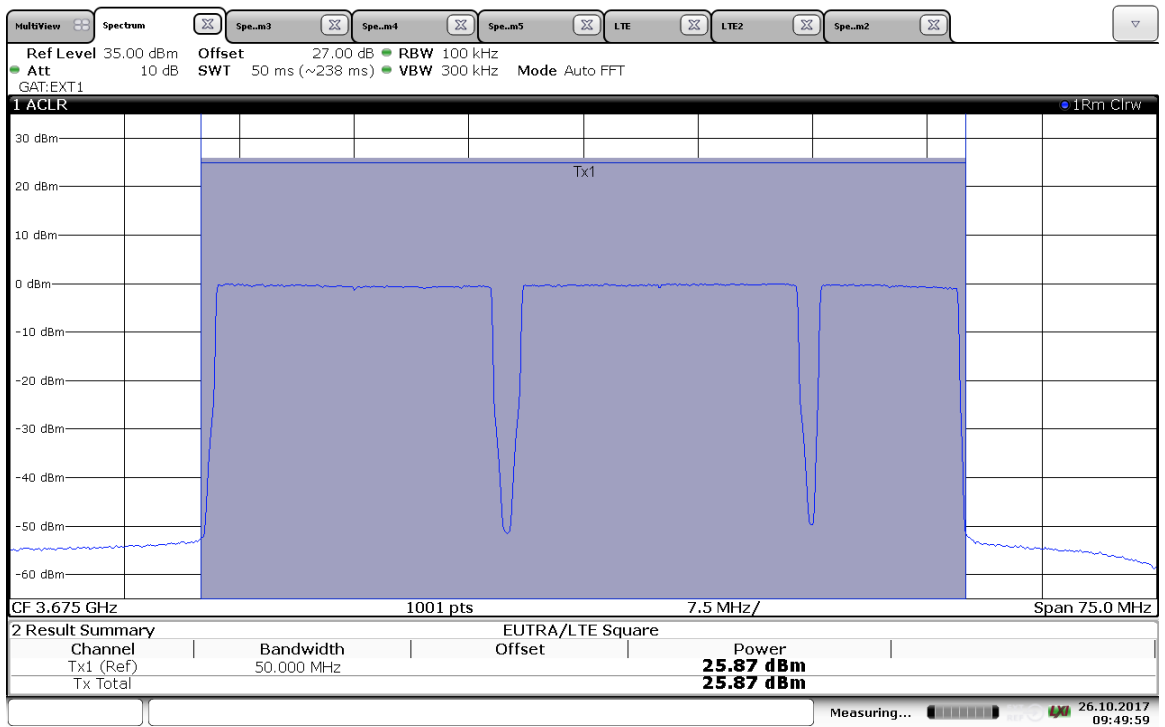
09:49:31 26.10.2017



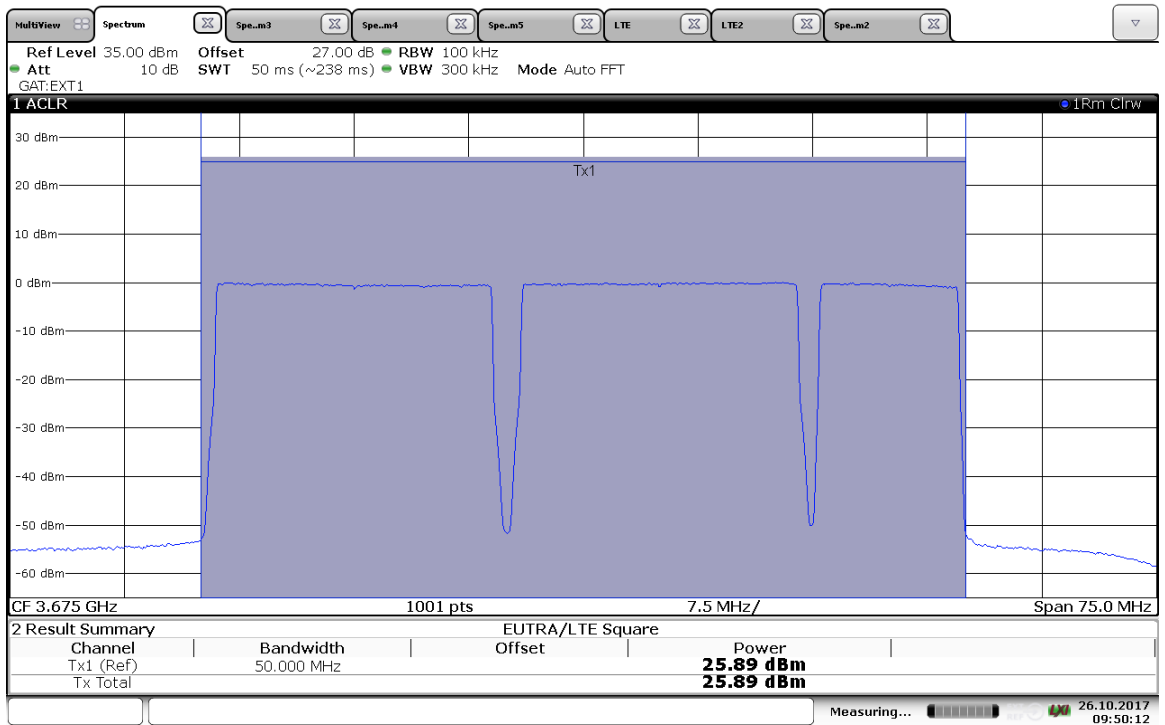
09:49:40 26.10.2017



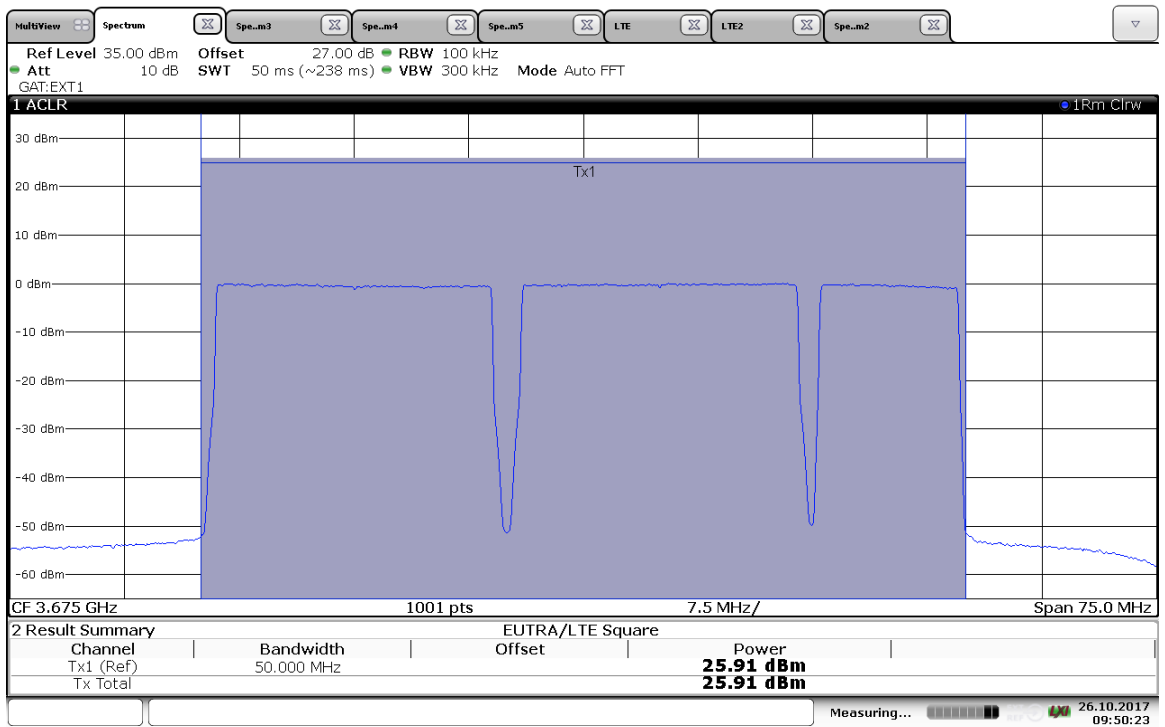
09:49:48 26.10.2017



09:50:00 26.10.2017



09:50:12 26.10.2017



09:50:23 26.10.2017

3.2. Moudulation Characteristics

3.2.1. Applicable Standard:

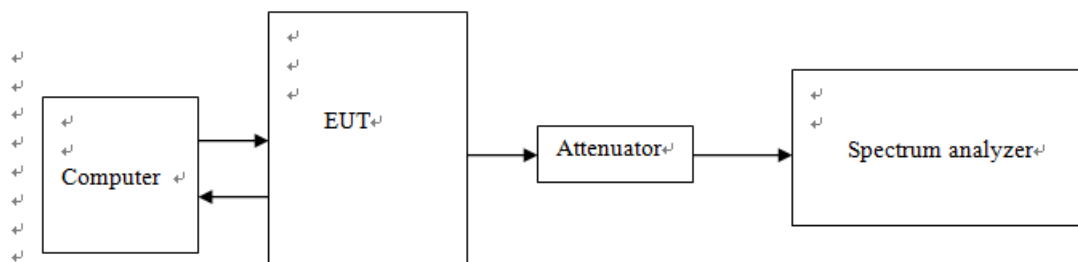
FCC §2.1047

3.2.2. Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Signal & Spectrum Analyzer	FSW26	SB12724/01	2017.6.19	2018.6.18

***statement of traceability:** SMQ attests that all calibration has been performed per the A2LA requirements, traceable to NIM.

3.2.3. Test Procedure



The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation. External attenuation Loss is 27dB. Configure RRU output different modulation signals and test EVM by spectrum analyzer.

3.2.4. Environmental Conditions

Temperature:	20 °C
Relative Humidity:	53 %
ATM Pressure:	1009 mbar

3.2.5. Test Result: Pass

3.2.6. Test Mode: Transmitting LTE

3.2.7. Test Data:

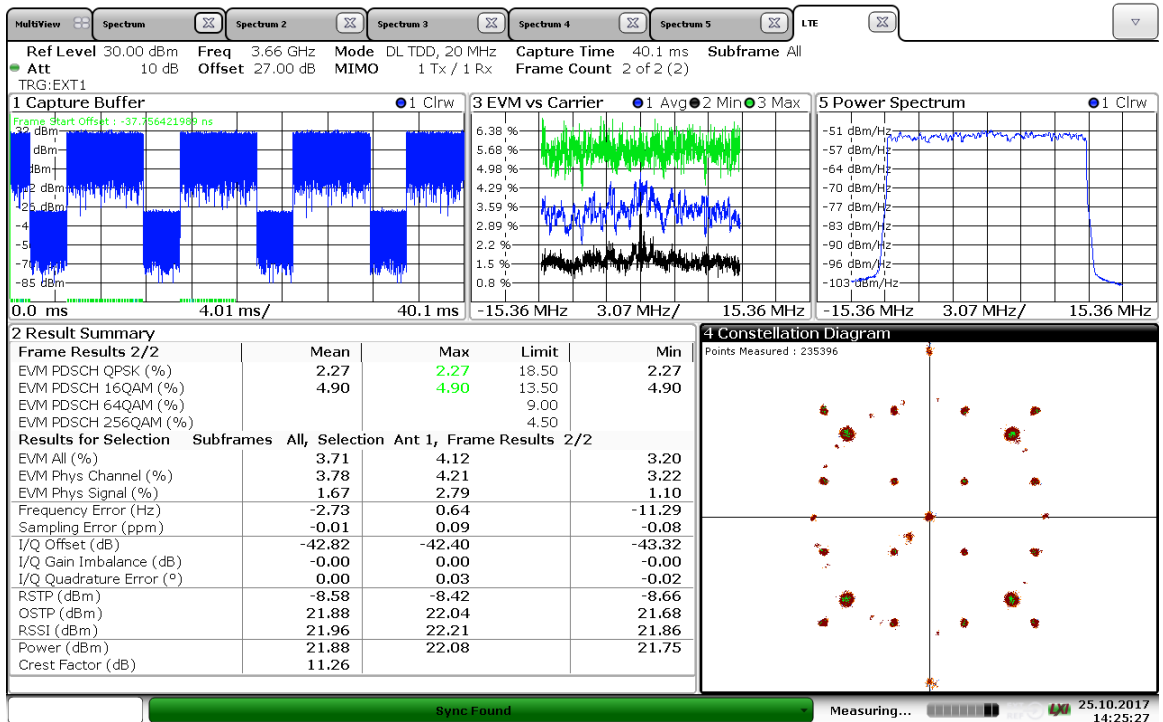
Channel Bandwidth: 20M

Port	Carrier Freq. (MHz)	Modulation characteristics(%)		
		QPSK(<17.5)	16QAM(<12.5)	64QAM(<8)
0	3660	2.27	1.84	1.53
1		2.35	1.84	1.67
2		2.26	1.8	1.5
3		2.3	1.82	1.51
4		2.28	1.84	1.54
5		2.37	1.82	1.53
6		2.3	1.85	1.62
7		2.26	1.84	1.61
0	3675	2.17	1.73	1.48

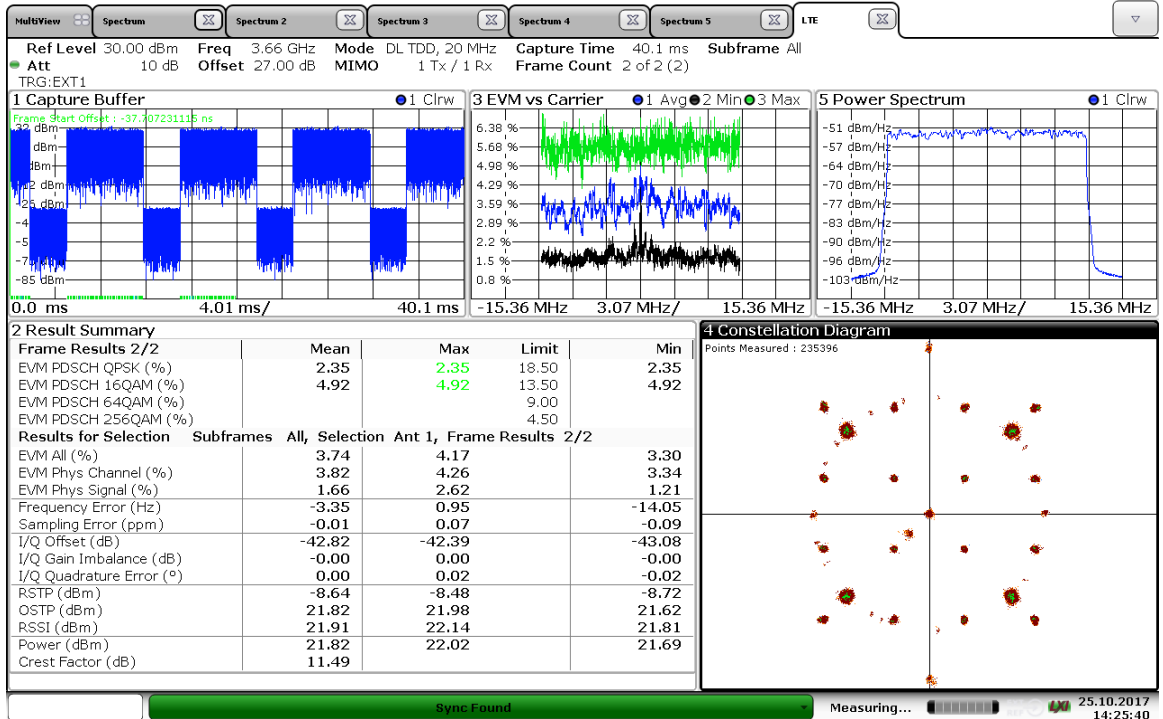
1		2.18	1.76	1.48
2		2.19	1.77	1.47
3		2.1	1.78	1.5
4		2.16	1.76	1.47
5		2.14	1.79	1.49
6		2.13	1.77	1.49
7		2.16	1.82	1.48
0	3690	2.17	1.92	1.5
1		2.18	1.96	1.48
2		2.18	1.97	1.62
3		2.21	1.95	1.62
4		2.22	1.94	1.61
5		2.14	1.95	1.62
6		2.18	1.91	1.58
7	2.15	1.93	1.64	

Channel Bandwidth: 20+20+10M

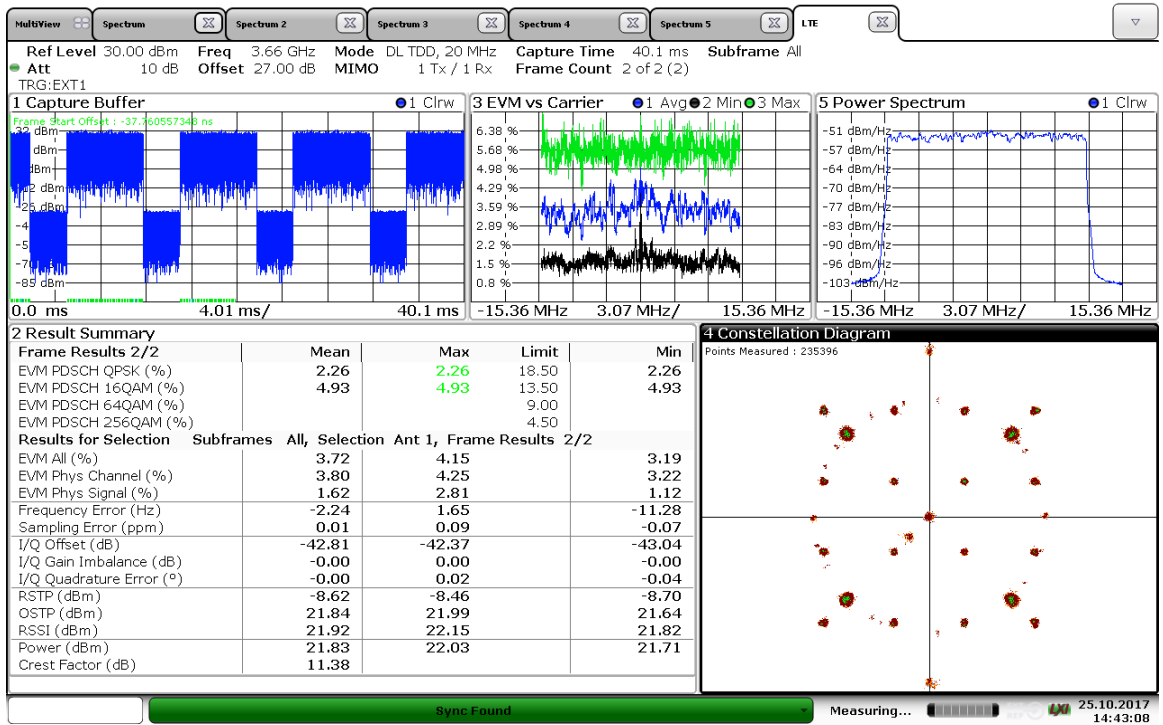
Port	Carrier Freq. (MHz)	Modulation characteristics(%)		
		QPSK(<17.5)	16QAM(<12.5)	64QAM(<8)
0	3660	2.13	1.61	1.45
1		2.11	1.6	1.43
2		2.14	1.59	1.43
3		2.14	1.58	1.48
4		2.15	1.6	1.46
5		2.13	1.58	1.47
6		2.18	1.6	1.45
7	2.16	1.58	1.47	
0	3680	2.16	1.78	1.5
1		2.17	1.81	1.49
2		2.19	1.76	1.48
3		2.17	1.77	1.49
4		2.22	1.74	1.45
5		2.15	1.74	1.49
6		2.18	1.77	1.47
7	2.19	1.75	1.49	
0	3695	2.02	1.62	1.37
1		1.99	1.62	1.39
2		2.02	1.61	1.39
3		2.02	1.6	1.38
4		2	1.63	1.36
5		2.01	1.63	1.38
6		2.02	1.63	1.38
7	2.01	1.64	1.37	



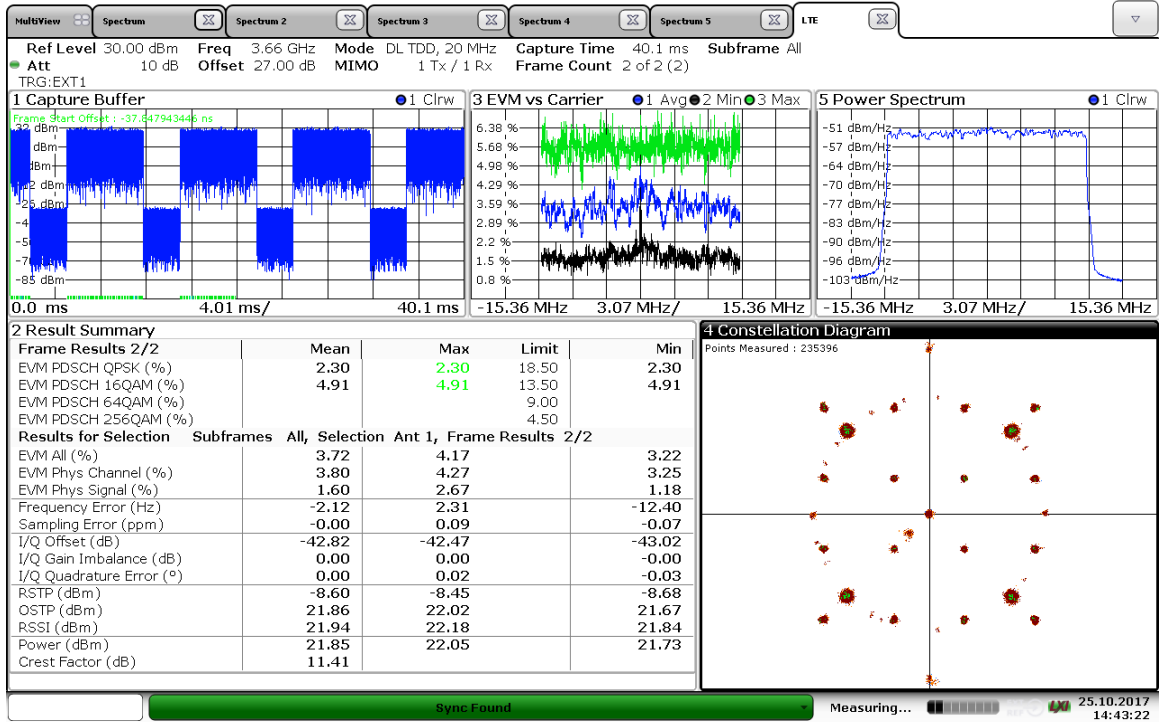
14:25:28 25.10.2017



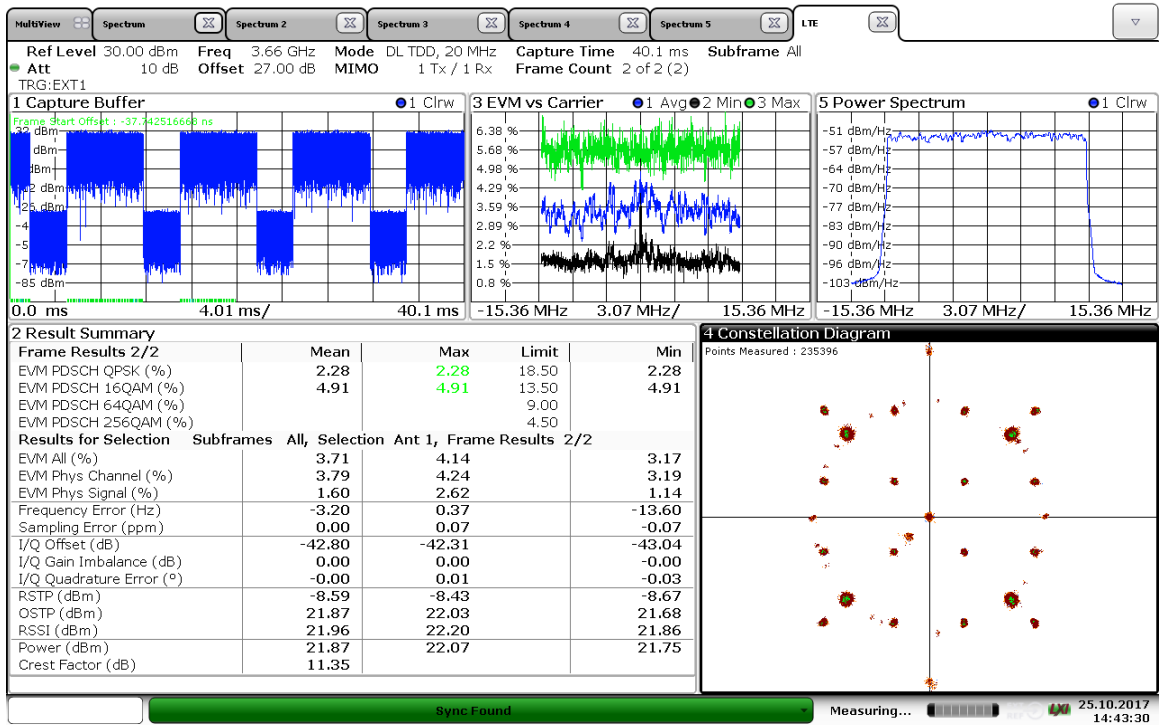
14:25:41 25.10.2017



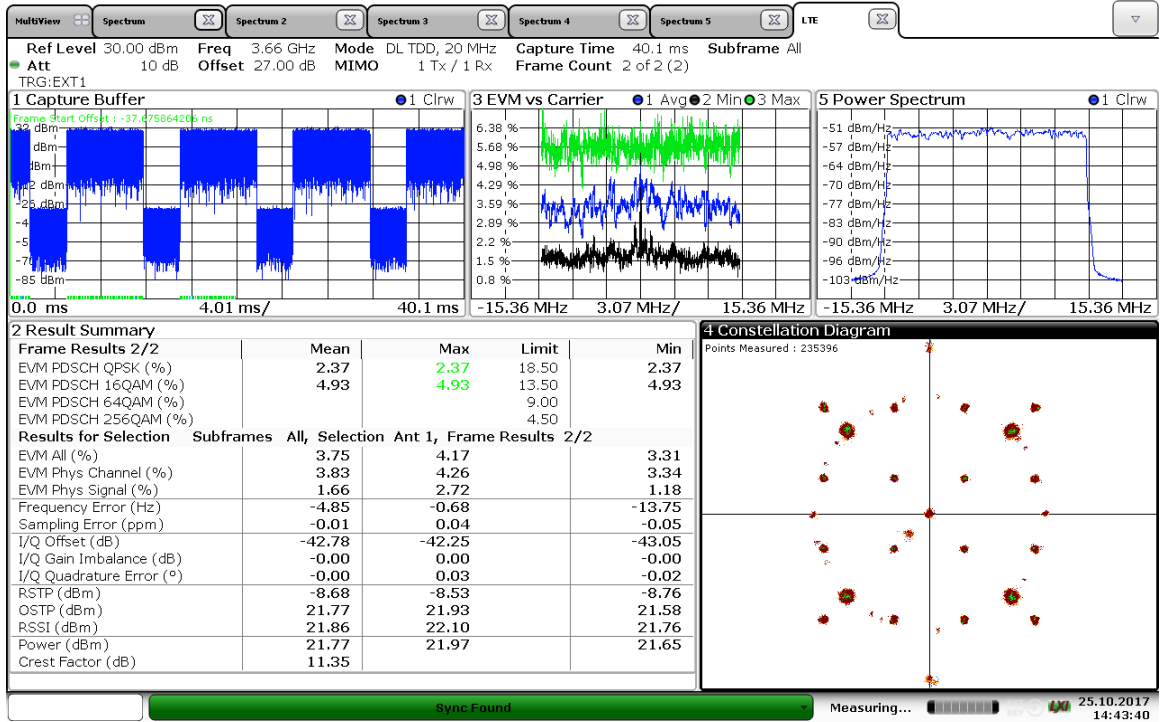
14:43:09 25.10.2017



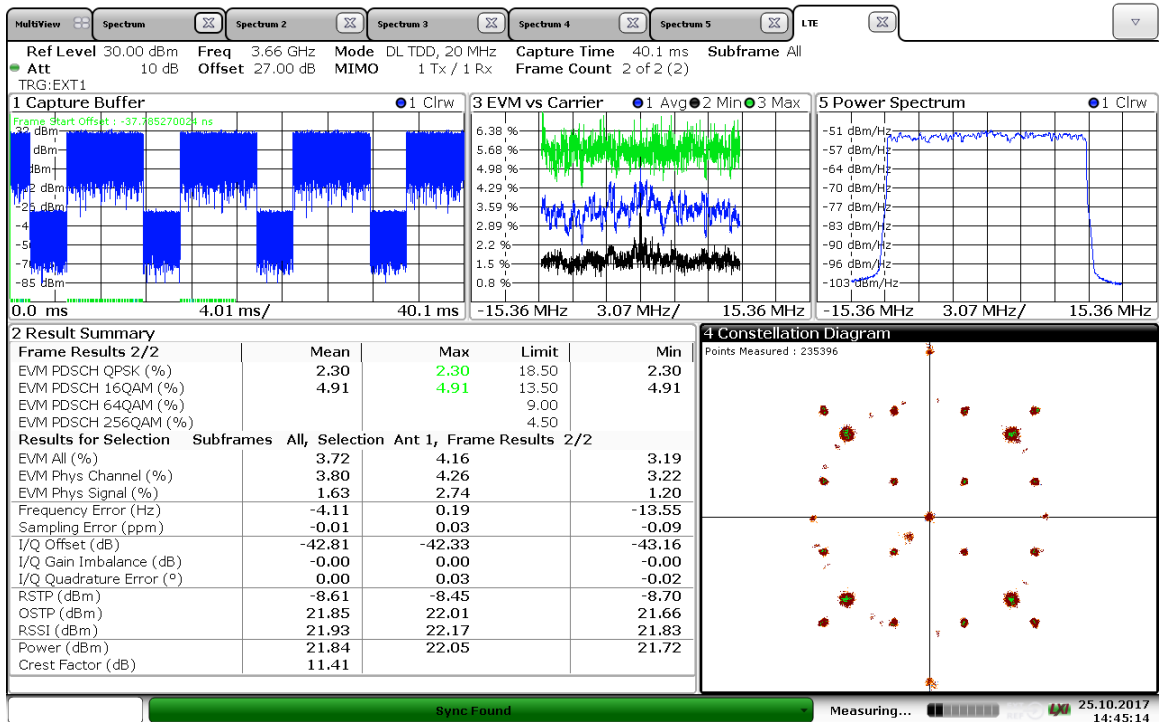
14:43:22 25.10.2017



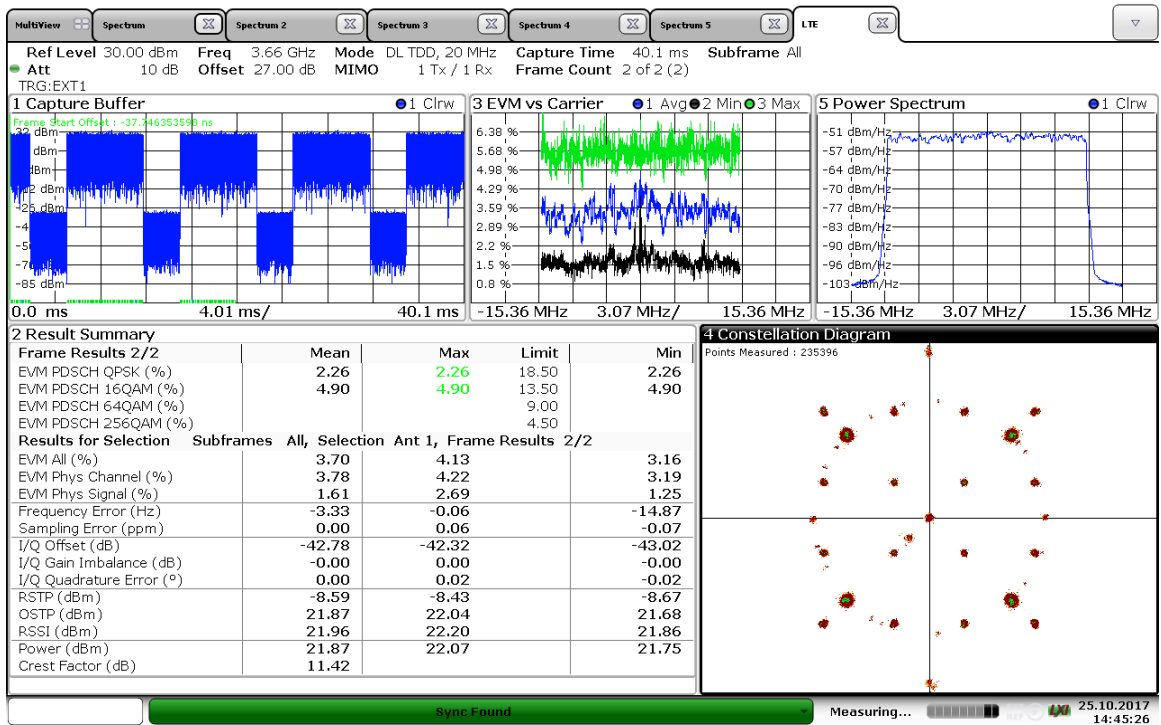
14:43:31 25.10.2017



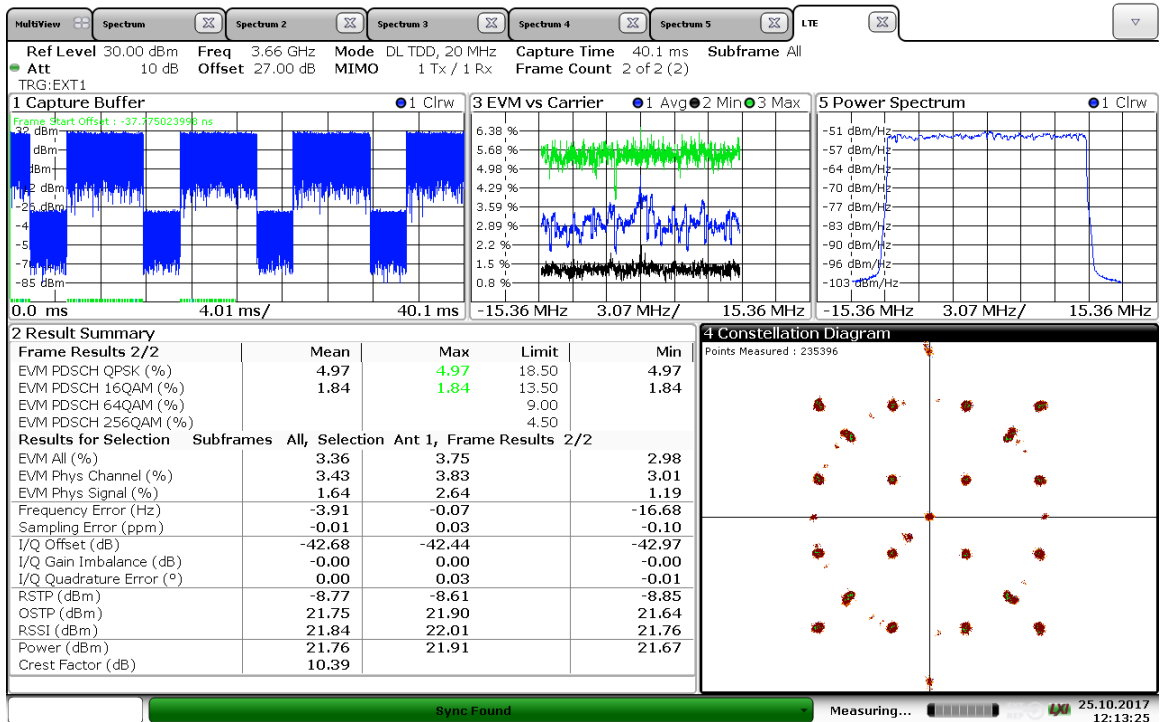
14:43:41 25.10.2017



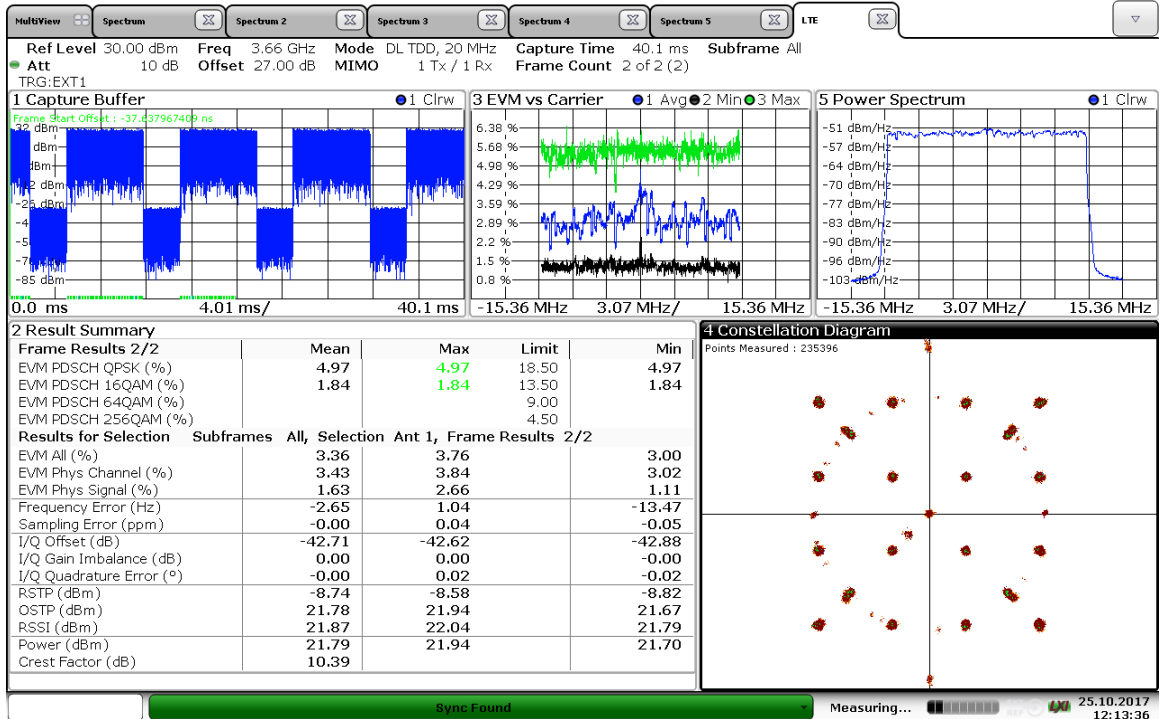
14:45:15 25.10.2017



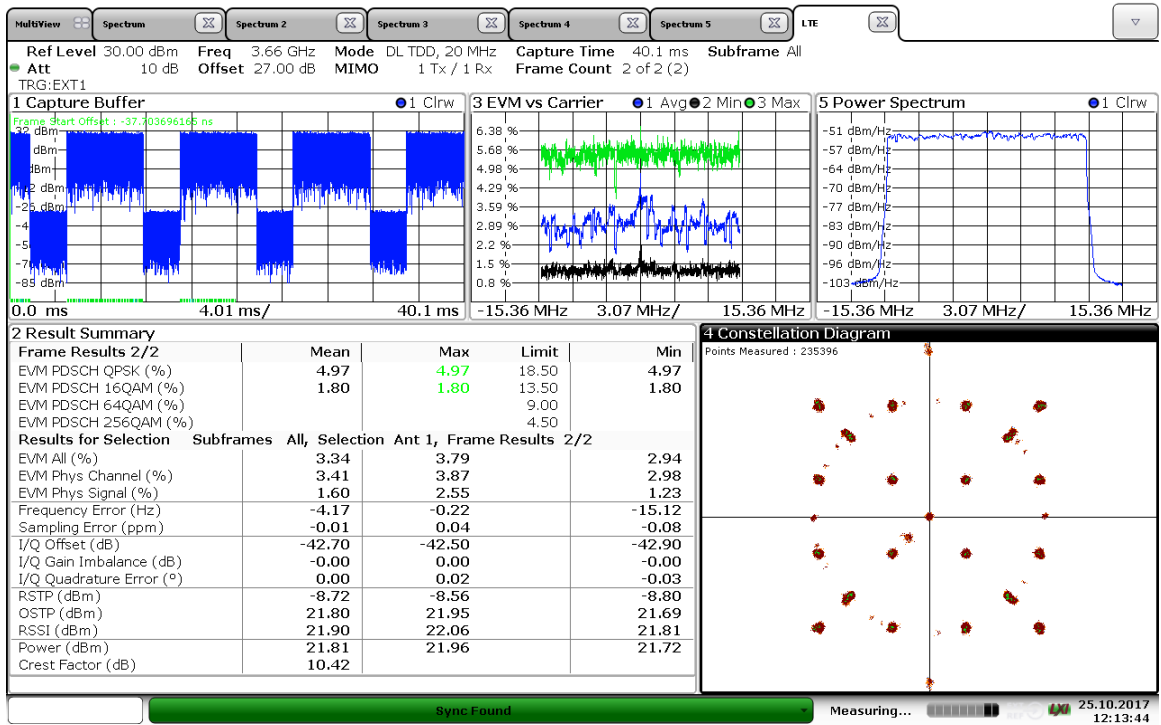
14:45:27 25.10.2017



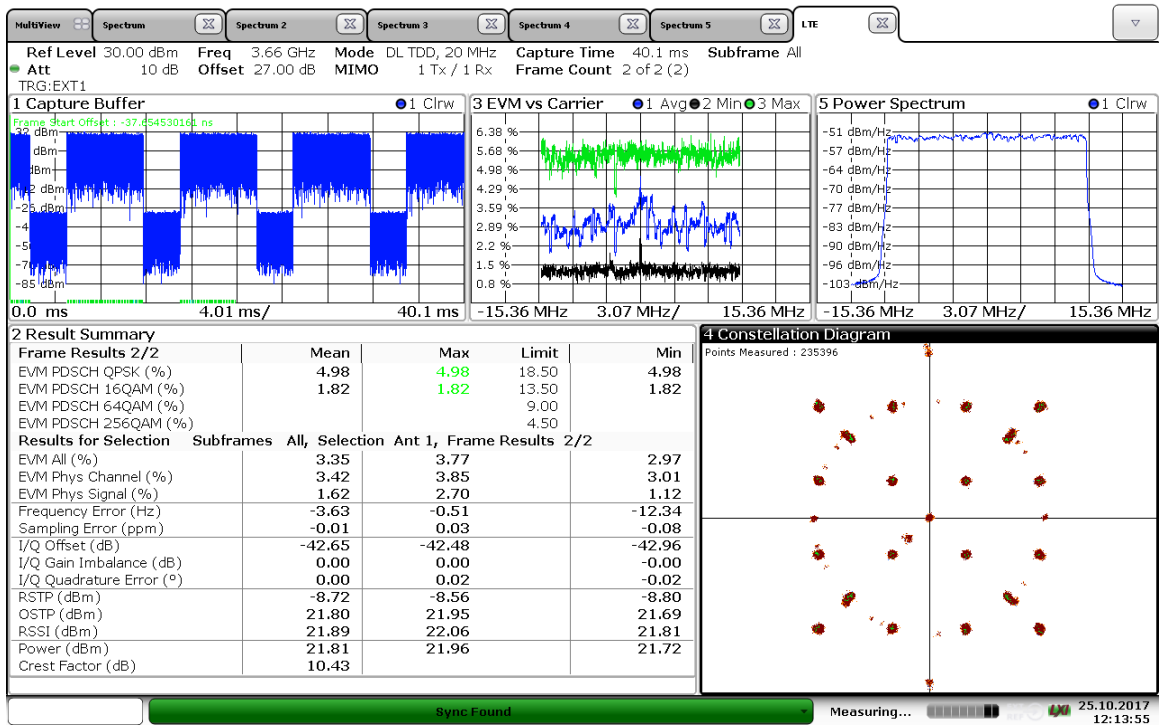
12:13:25 25.10.2017



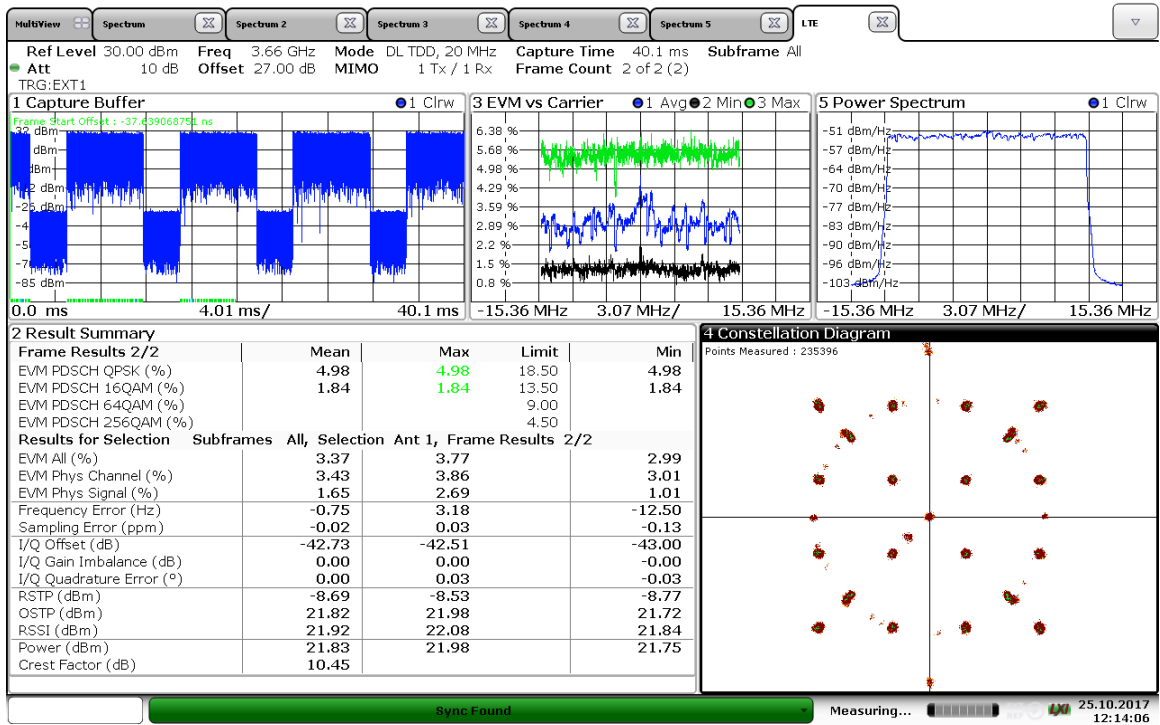
12:13:36 25.10.2017



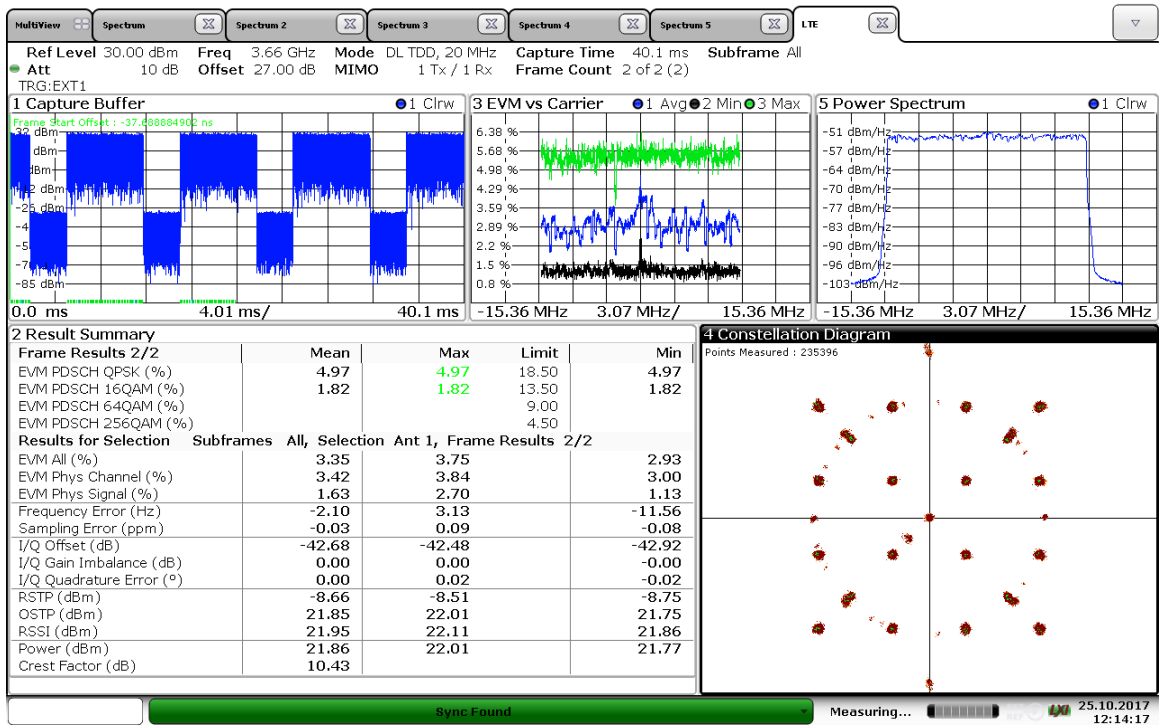
12:13:45 25.10.2017



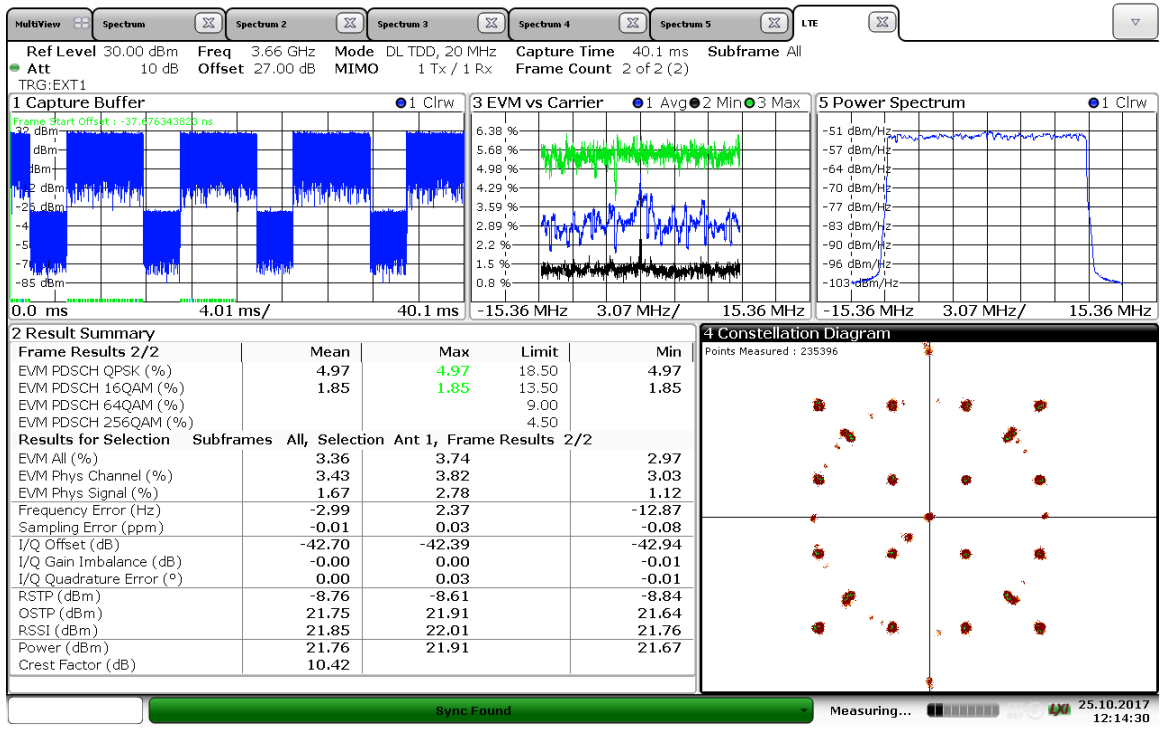
12:13:55 25.10.2017



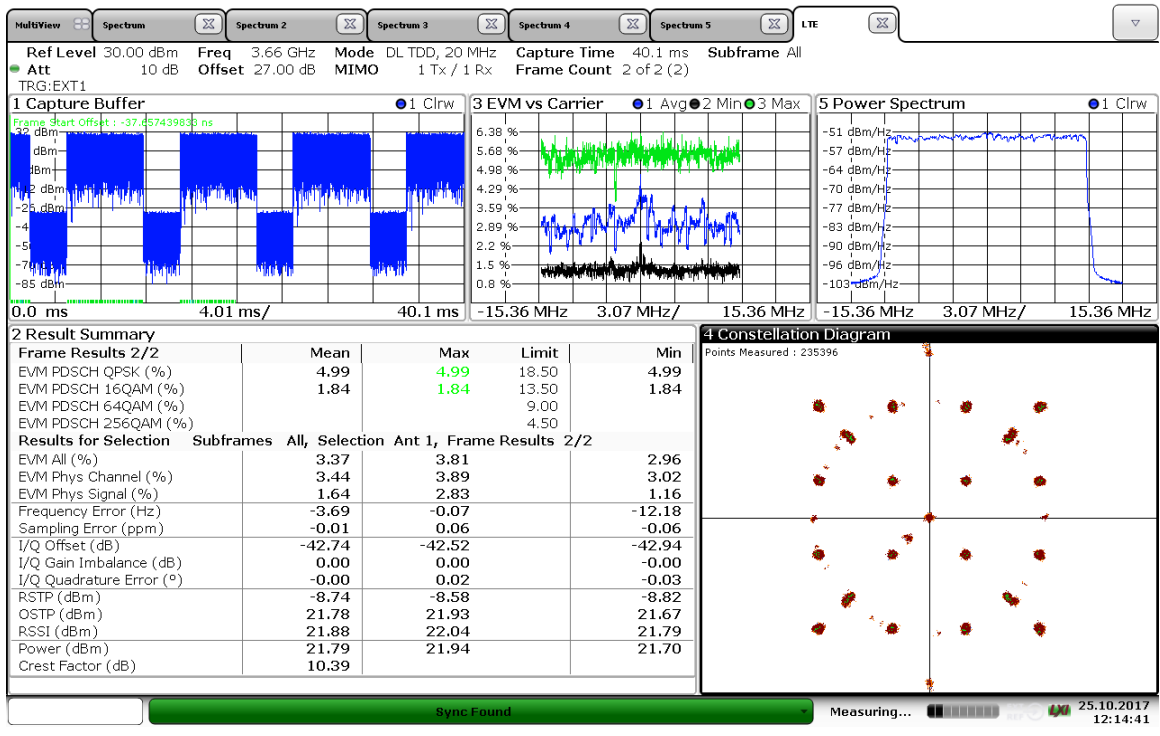
12:14:06 25.10.2017



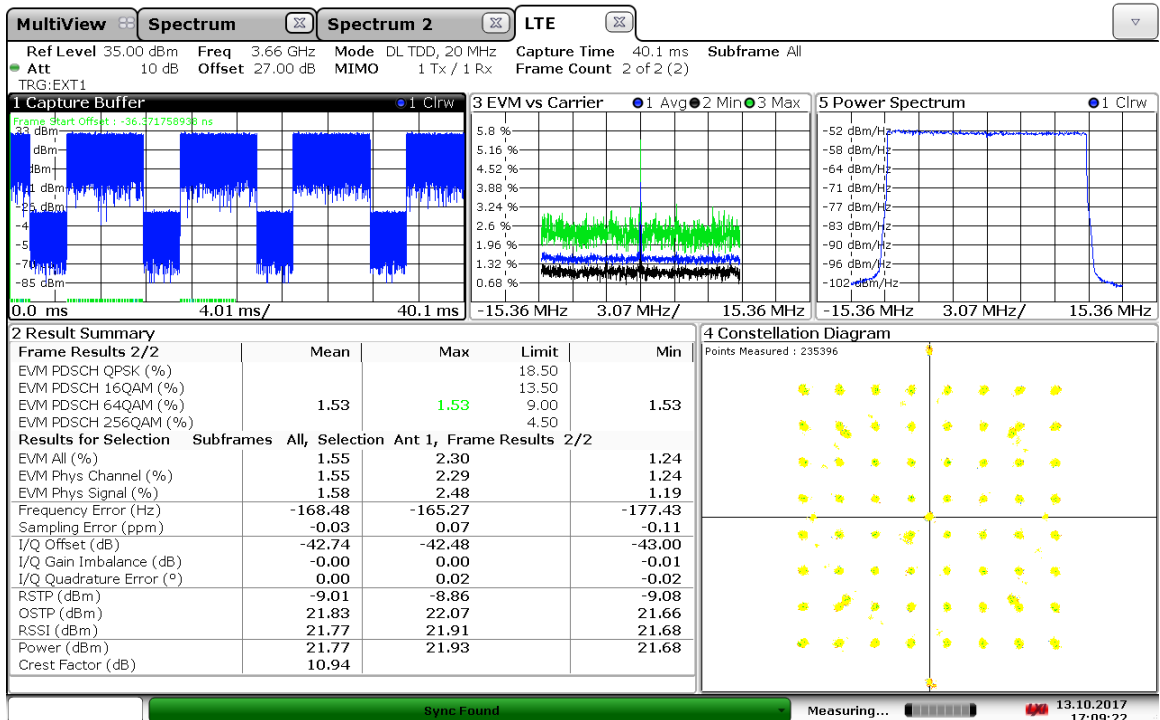
12:14:18 25.10.2017



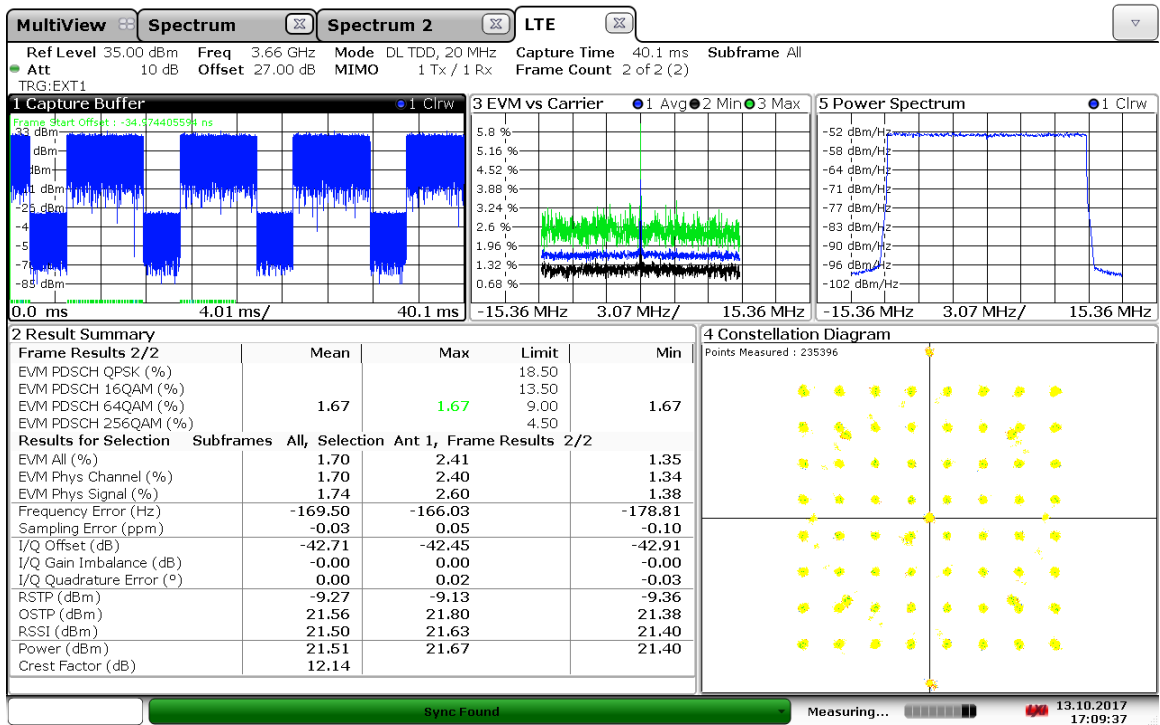
12:14:30 25.10.2017



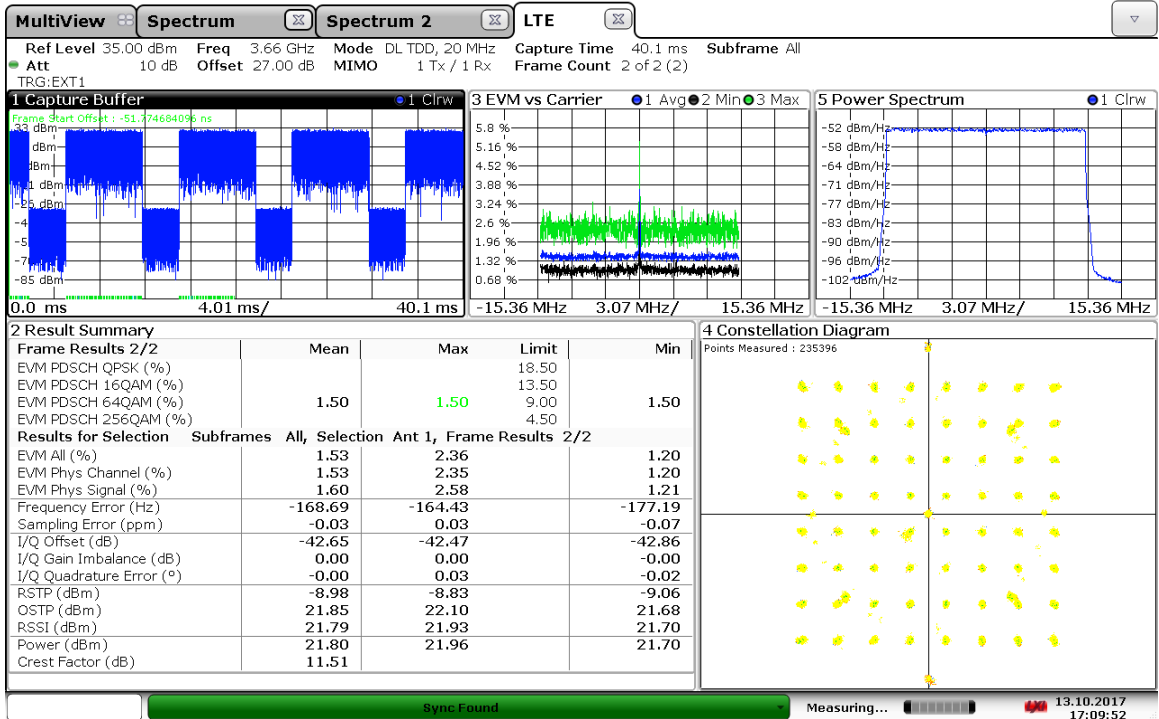
12:14:41 25.10.2017



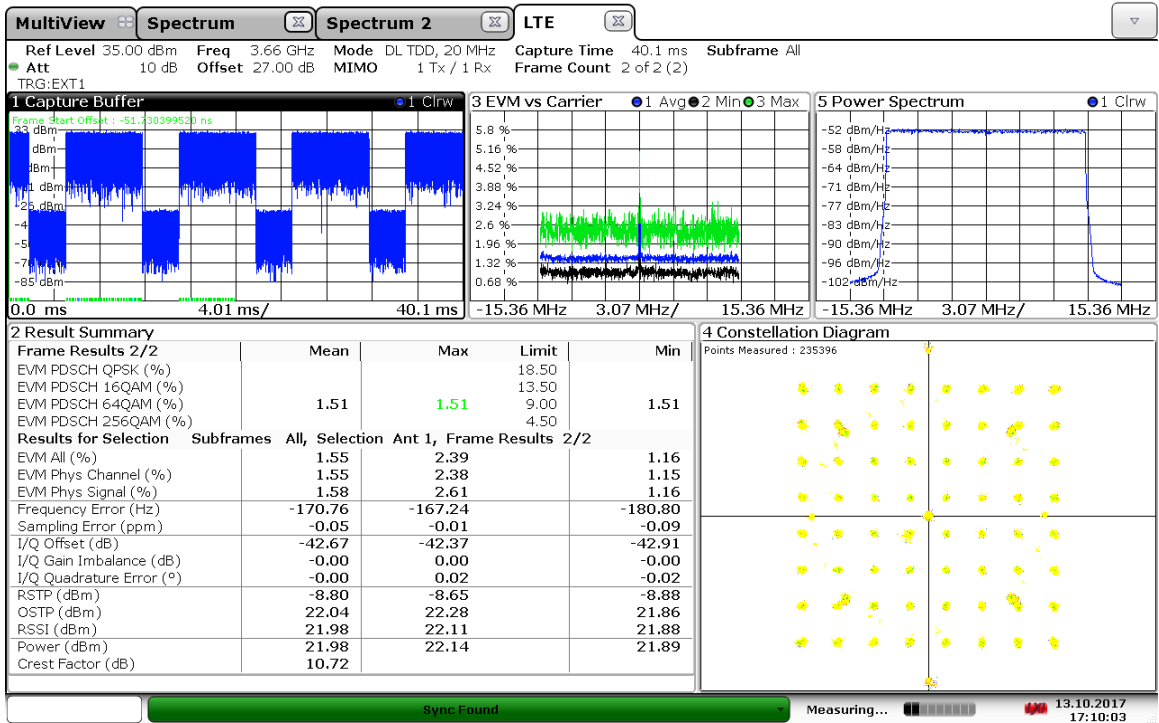
17:09:24 13.10.2017



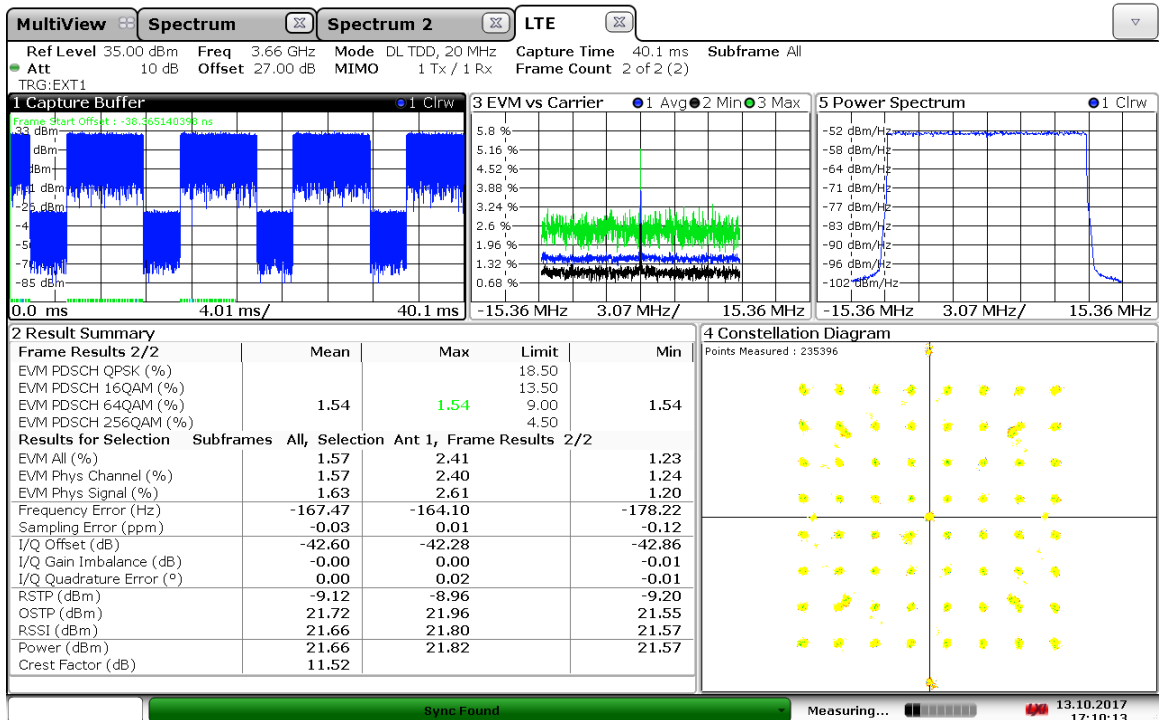
17:09:38 13.10.2017



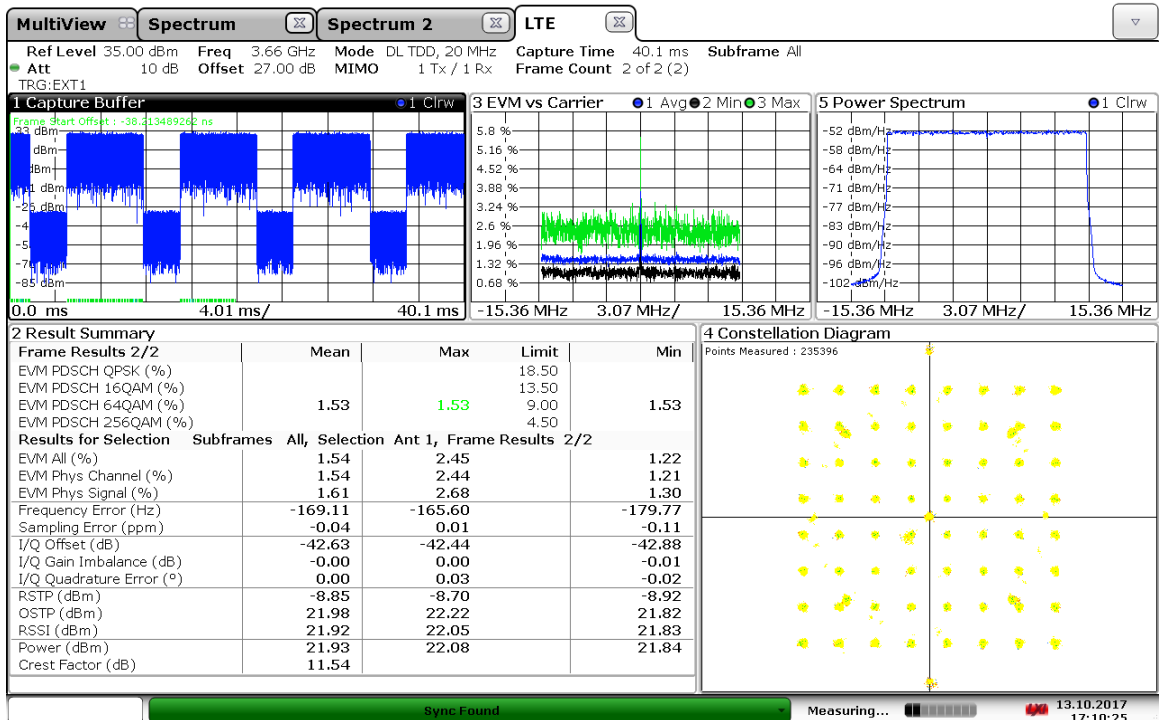
17:09:52 13.10.2017



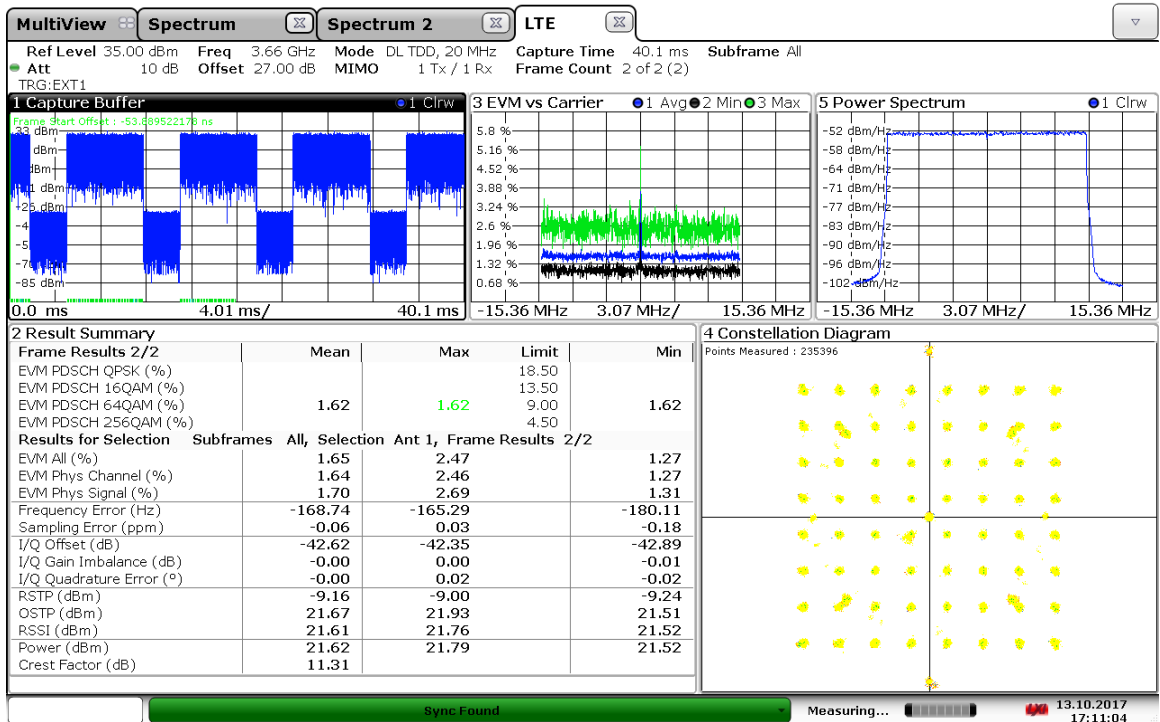
17:10:03 13.10.2017



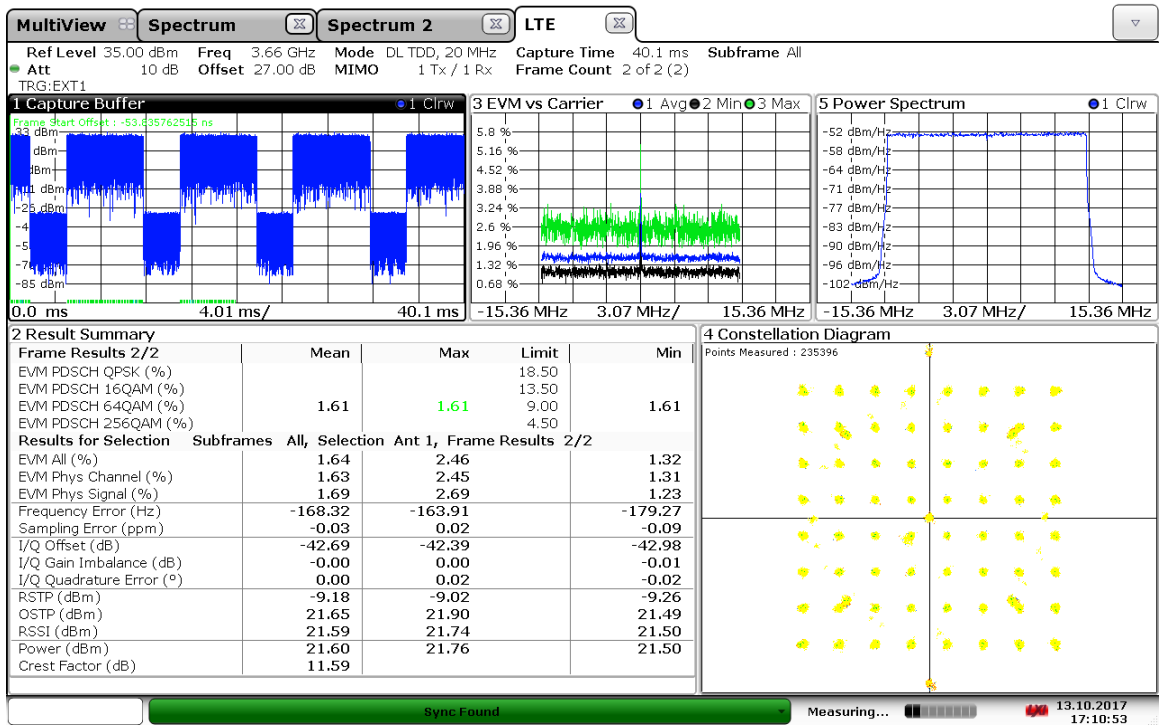
17:10:13 13.10.2017



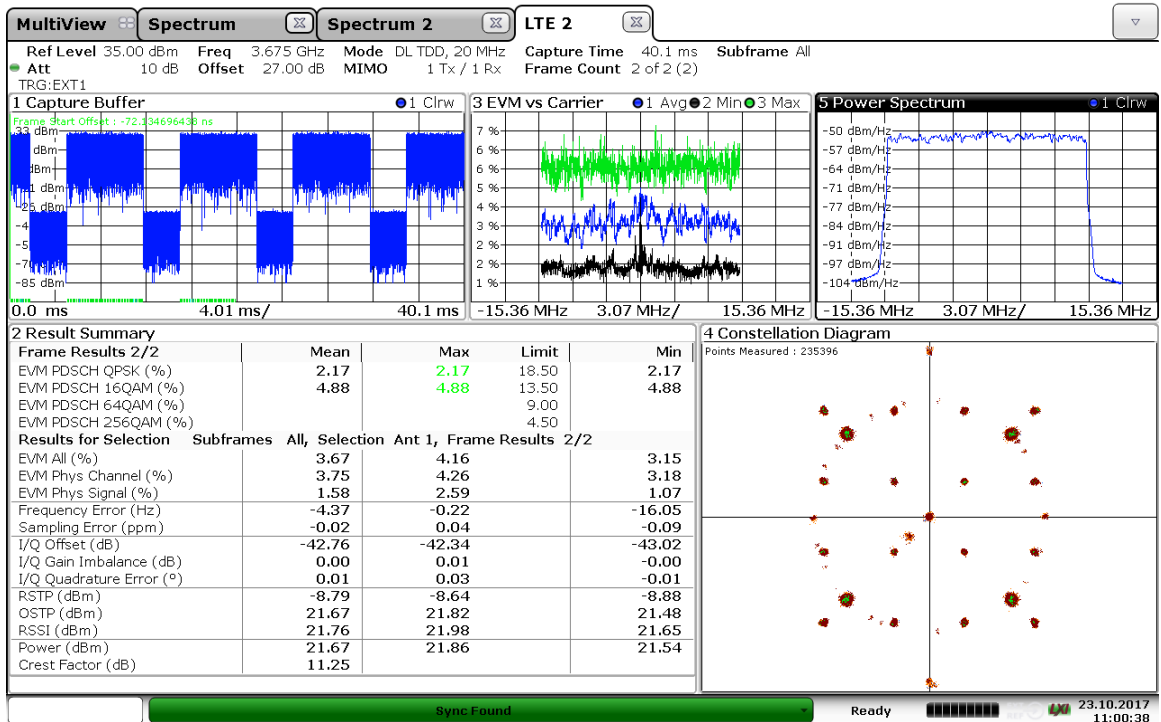
17:10:26 13.10.2017



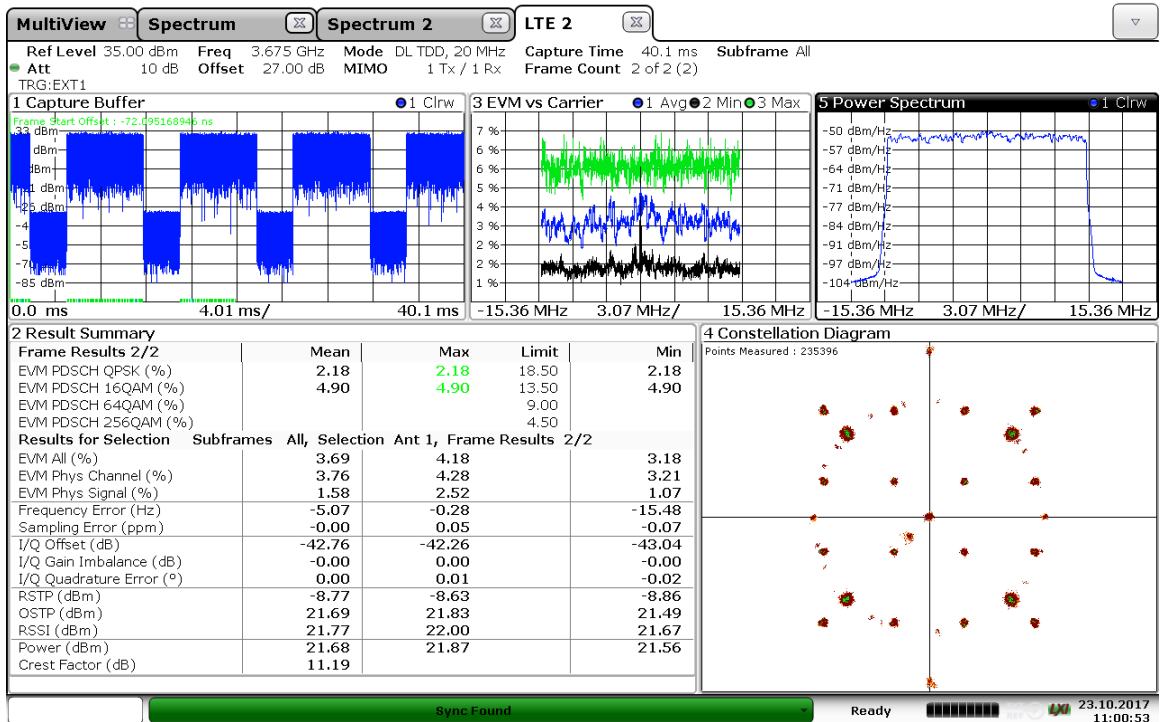
17:11:04 13.10.2017



17:10:53 13.10.2017



11:00:38 23.10.2017



11:00:54 23.10.2017