Appendix 1

Test Results

AC Mains Conducted Emission

Mode: TX mode; Line: L1

CONDUCTED EMISSIONS

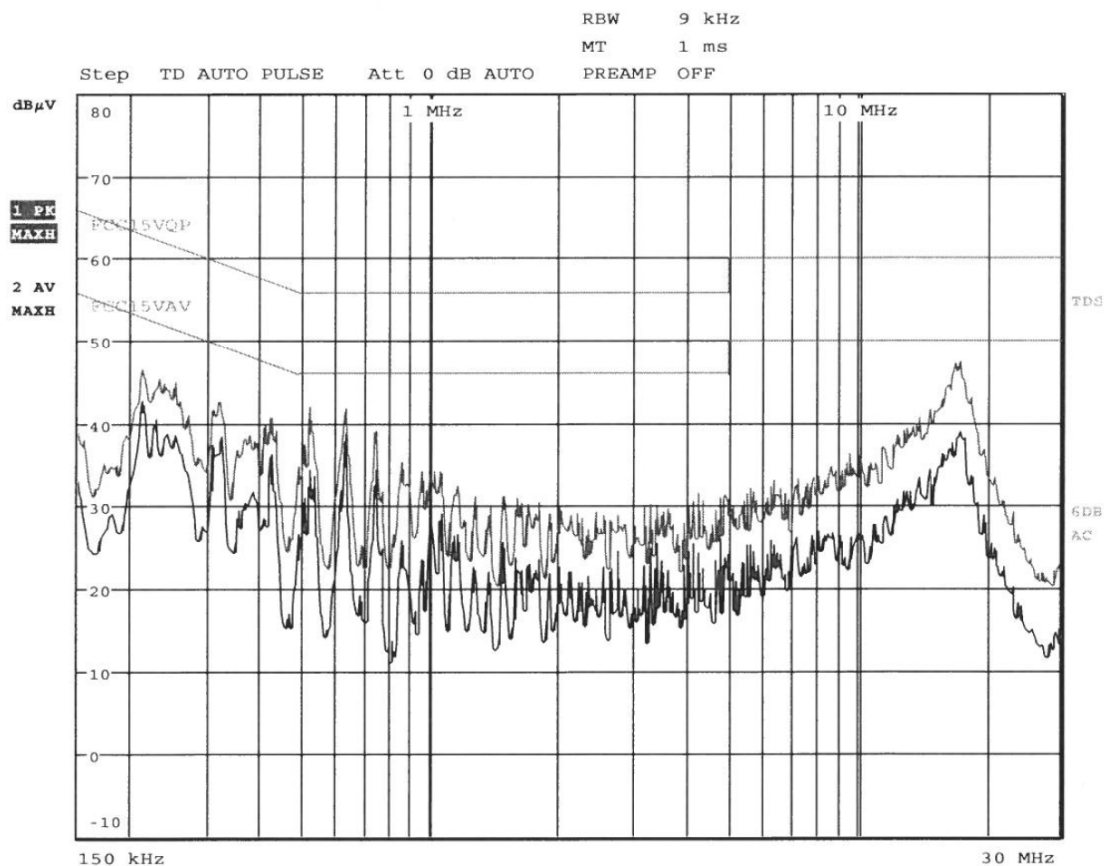|	
File no.	TUV090719B01
Equipment under Test	EQUISENSE MOTION S BLE MOTION SENSOR A000930150
Height/Range	L
Standard	FCC PART 15
Operator	JACK

OPERATION MODE
BLUETOOTH CONNECTED MODE

Time Domain Scan (1 Range)

Scan Start:	150 kHz
Scan Stop:	30 MHz
Detector:	Trace 1: MAX PEAK Trace 2: Average
Transducer:	CON_EMI

Start Frequency	Stop Frequency	Step Size	Res BW	Meas Time	RF Atten	Preamp	Input
150.000000 kHz	30.000000 MHz	2.25 kHz	9.00 kHz	1 ms	Auto	0 dB	INPUT2

Mode: TX mode; Line: N

CONDUCTED EMISSIONS

|	
File no.	TUV090719B02
Equipment under Test	EQUISENSE MOTION S BLE MOTION SENSOR A000930150
Height/Range	N
Standard	FCC PART 15
Operator	JACK

OPERATION MODE

BLUETOOTH CONNECTED MODE

Time Domain Scan (1 Range)

Scan Start:	150 kHz
Scan Stop:	30 MHz
Detector:	Trace 1: MAX PEAK Trace 2: Average
Transducer:	CON_EMI

Start Frequency	Stop Frequency	Step Size	Res BW	Meas Time	RF Atten	Preamp	Input
150.000000 kHz	30.000000 MHz	2.25 kHz	9.00 kHz	1 ms	Auto	0 dB	INPUT2
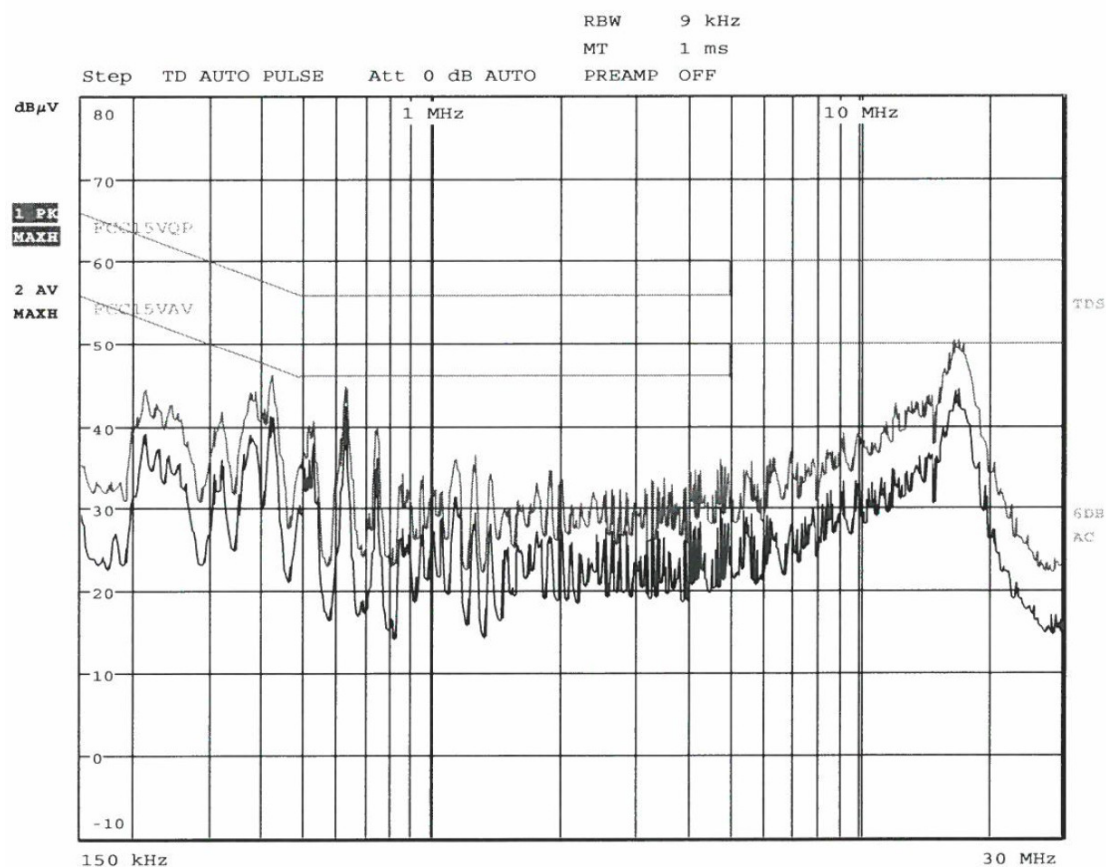
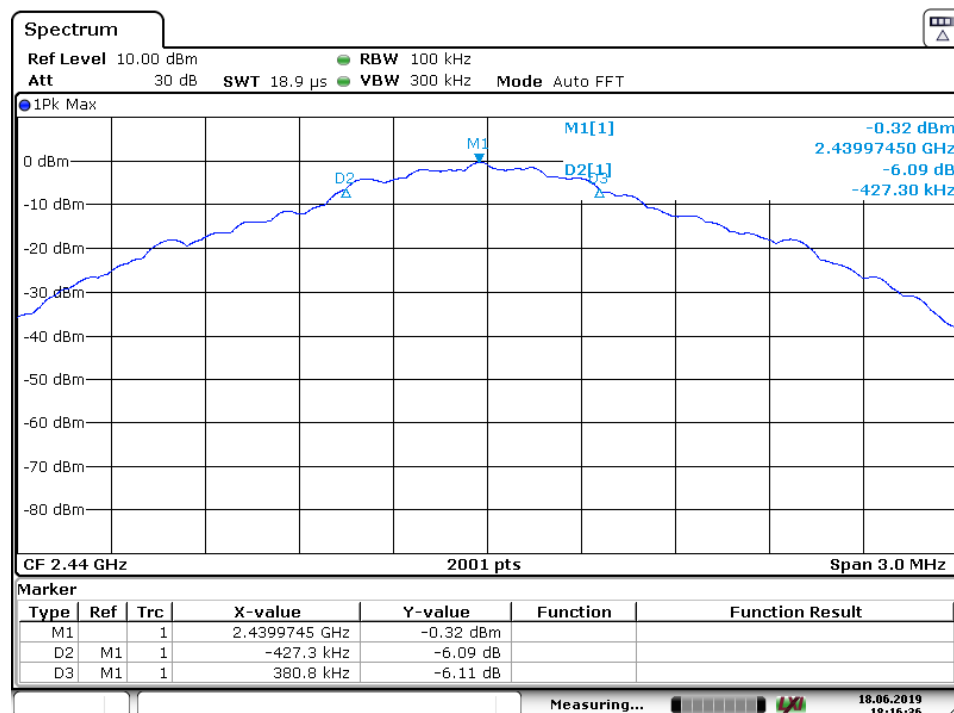# 6 dB Bandwidth Measurement

TX frequency: 2402MHz
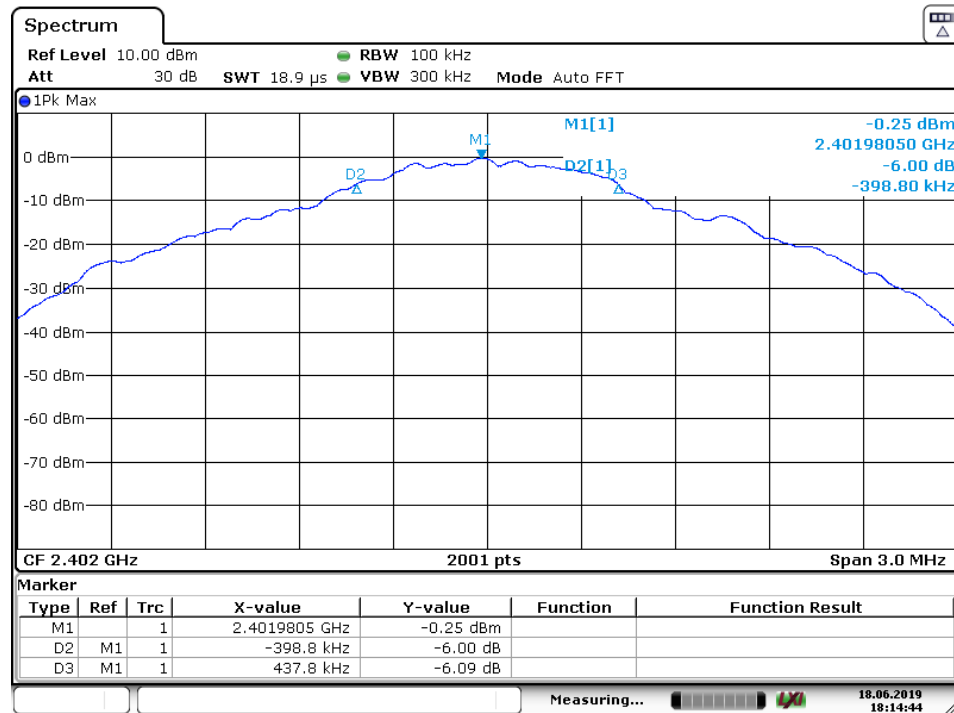
Date: 18.JUN.2019 18:14:44
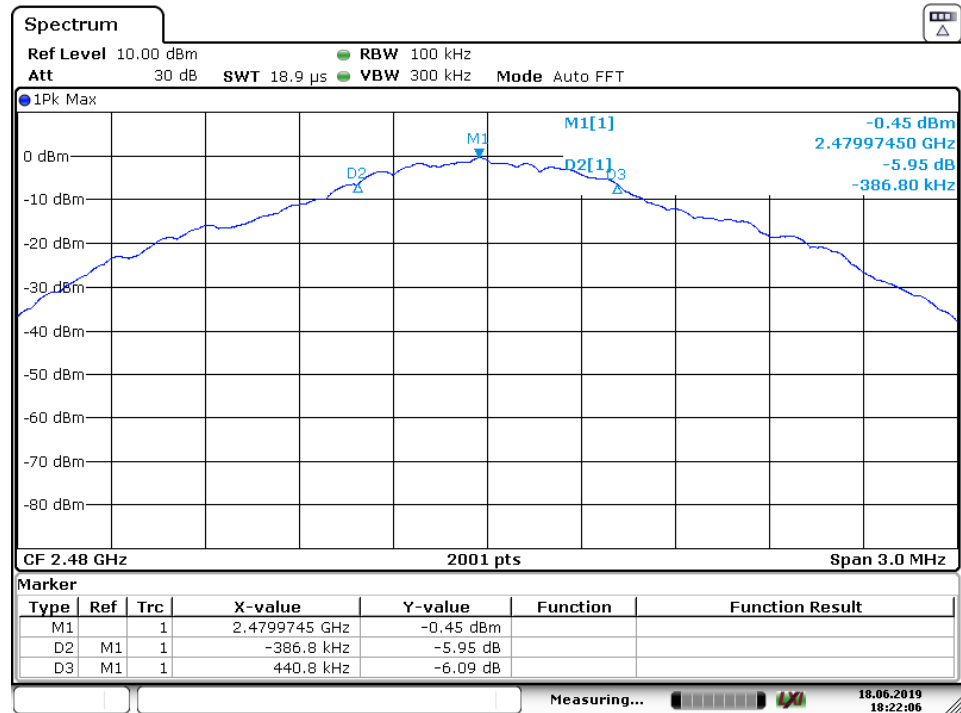
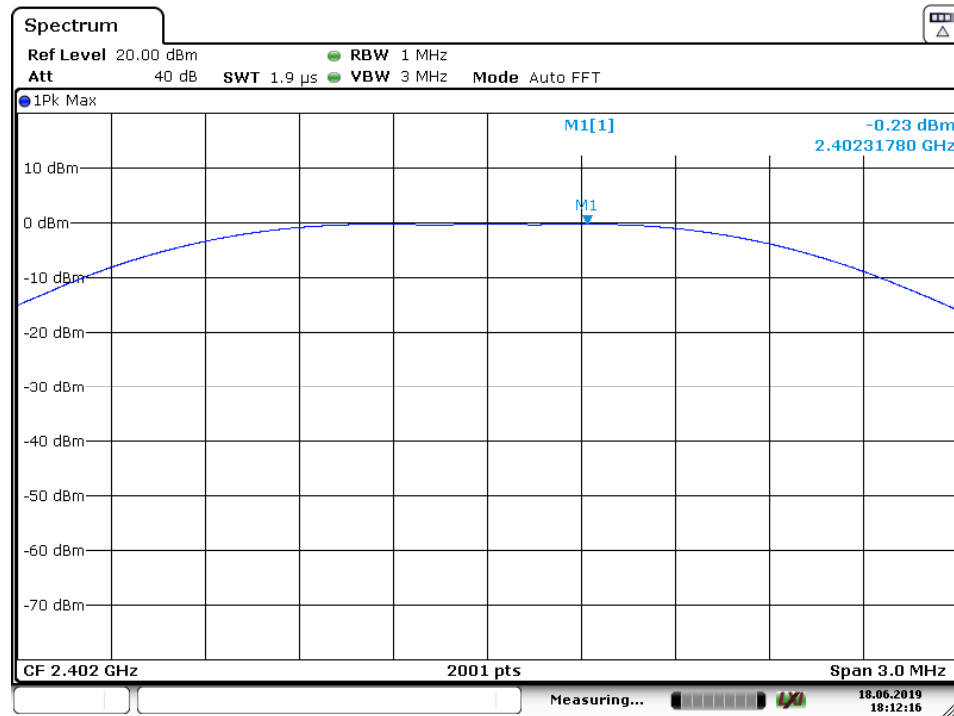TX frequency: 2440MHz

Date: 18.JUN.2019 18:16:36
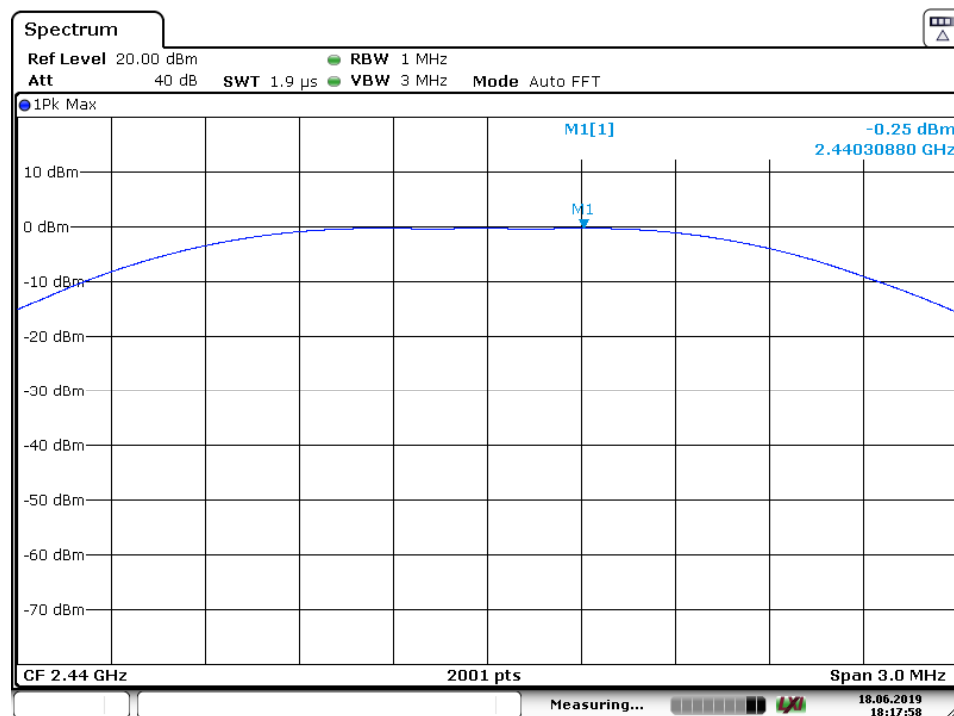
TX frequency: 2480MHz

Date: 18.JUN.2019 18:22:06

Maximum Peak Conducted Output power

TX frequency: 2402MHz

Date: 18.JUN.2019 18:12:16

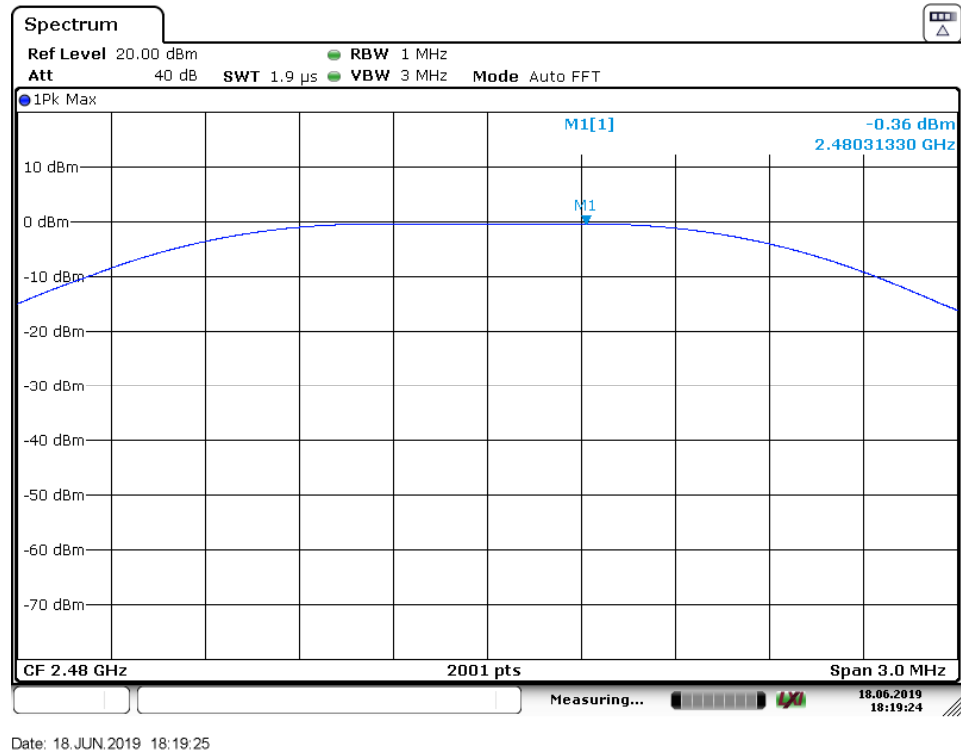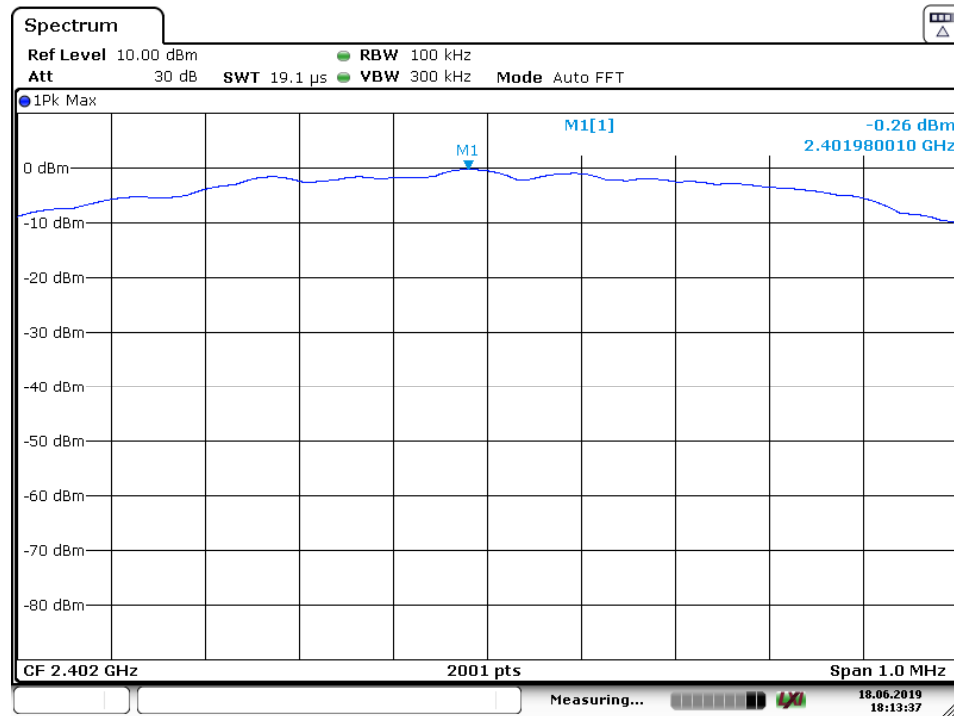TX frequency: 2440MHz

Date: 18.JUN.2019 18:17:59

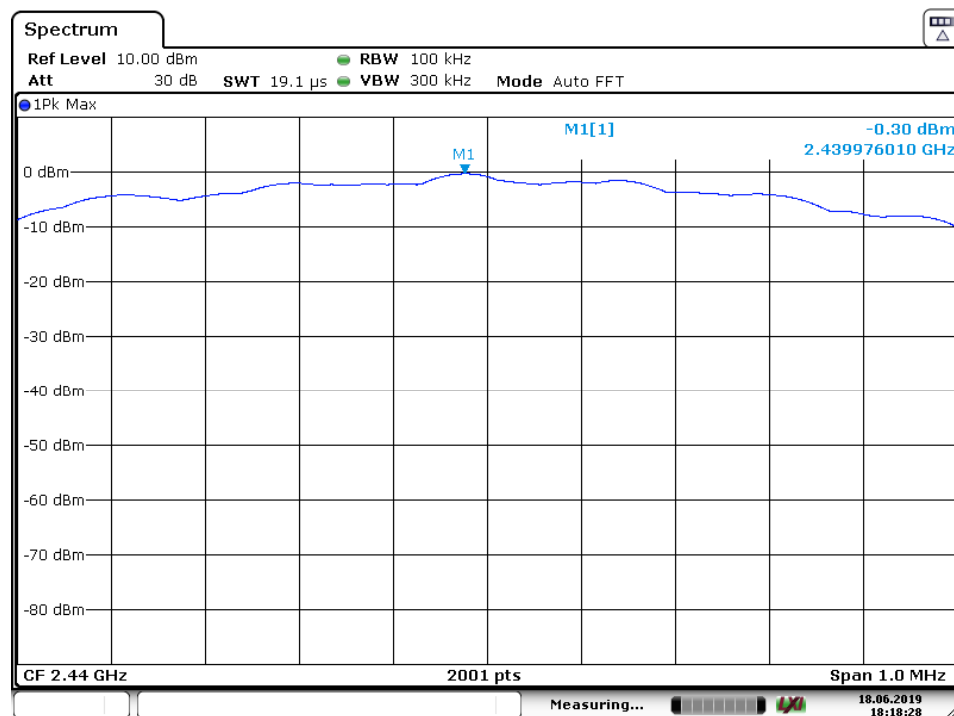TX frequency: 2480MHz

Date: 18.JUN.2019 18:19:25

Power Spectral Density

TX frequency: 2402MHz
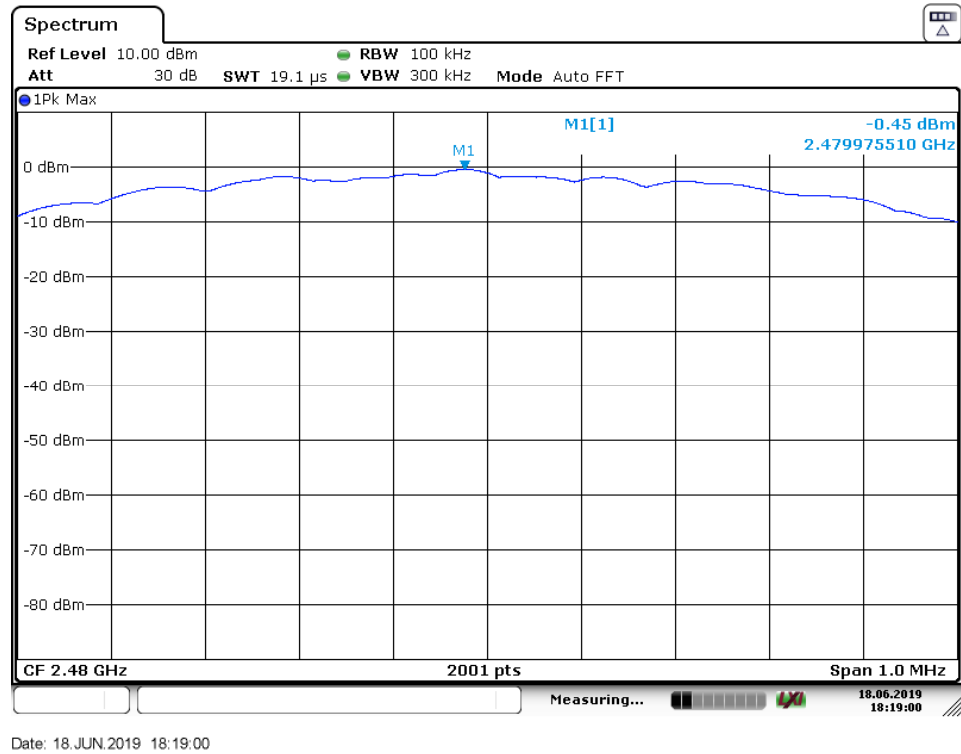

Date: 18.JUN.2019 18:13:37

TX frequency: 2440MHz

Date: 18.JUN.2019 18:18:28

TX frequency: 2480MHz
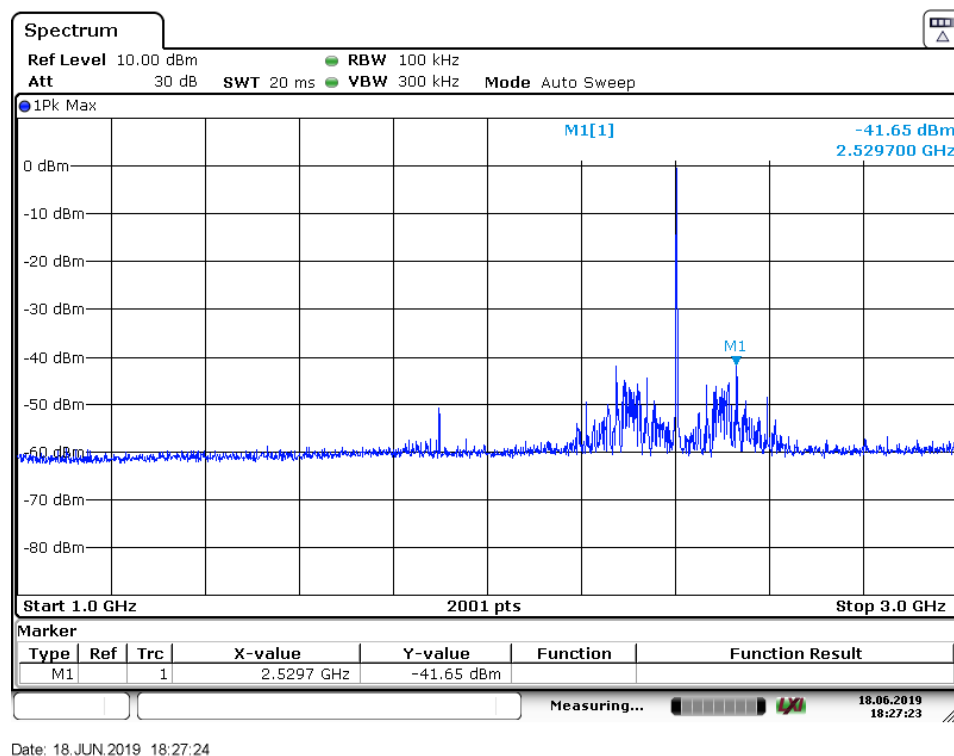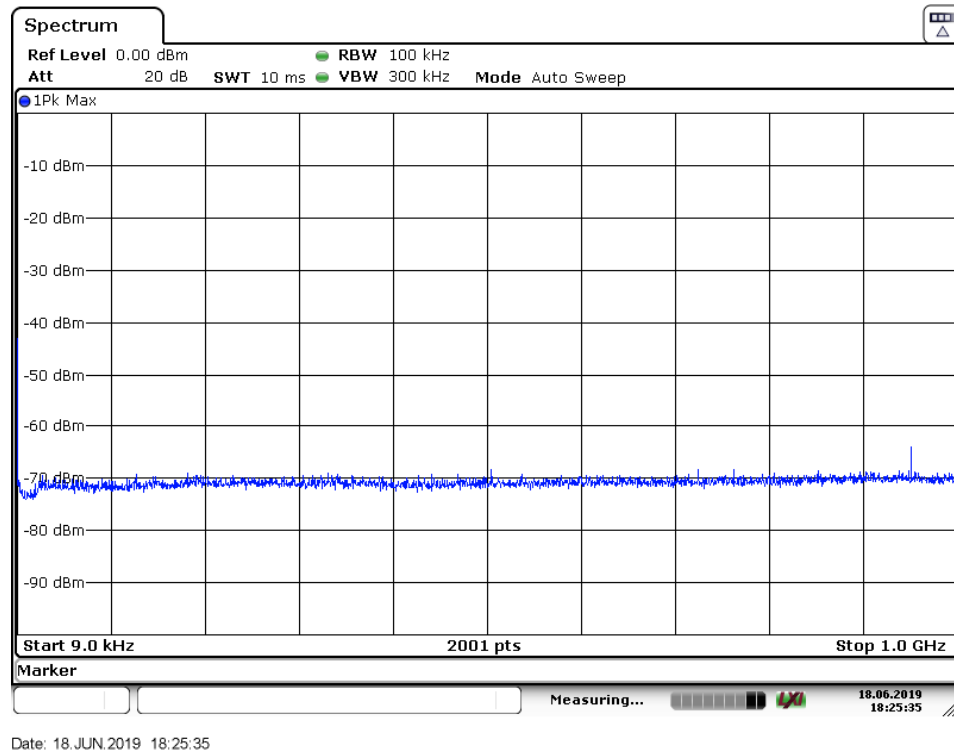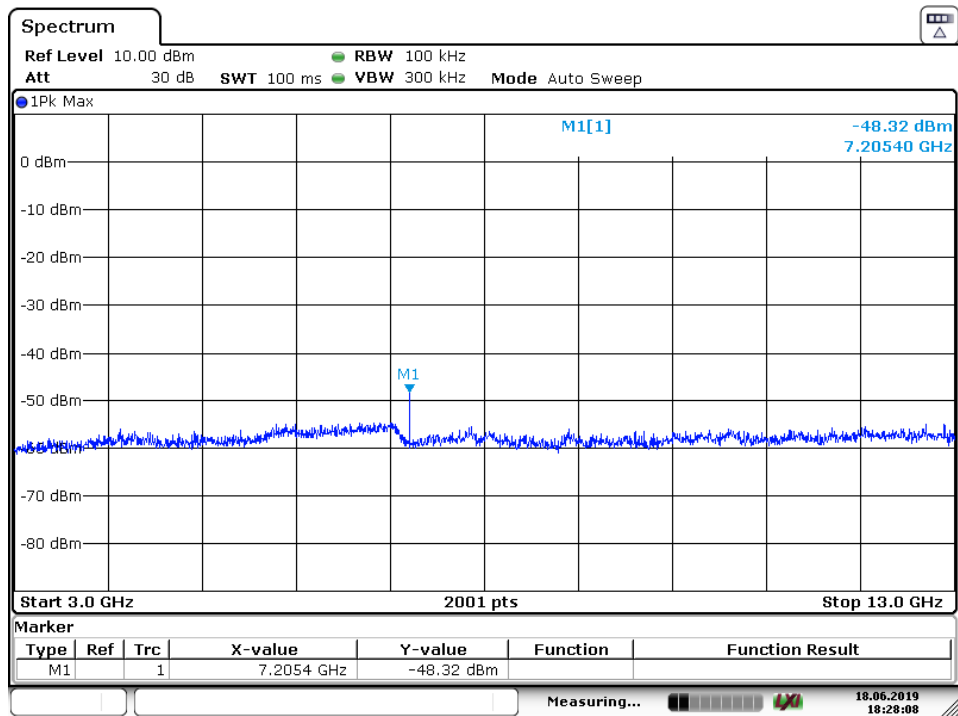

Date: 18.JUN.2019 18:19:00

Spurious Conducted Emissions

TX frequency: 2402MHz

Date: 18.JUN.2019 18:25:35

Date: 18.JUN.2019 18:27:24

Date: 18.JUN.2019 18:28:08
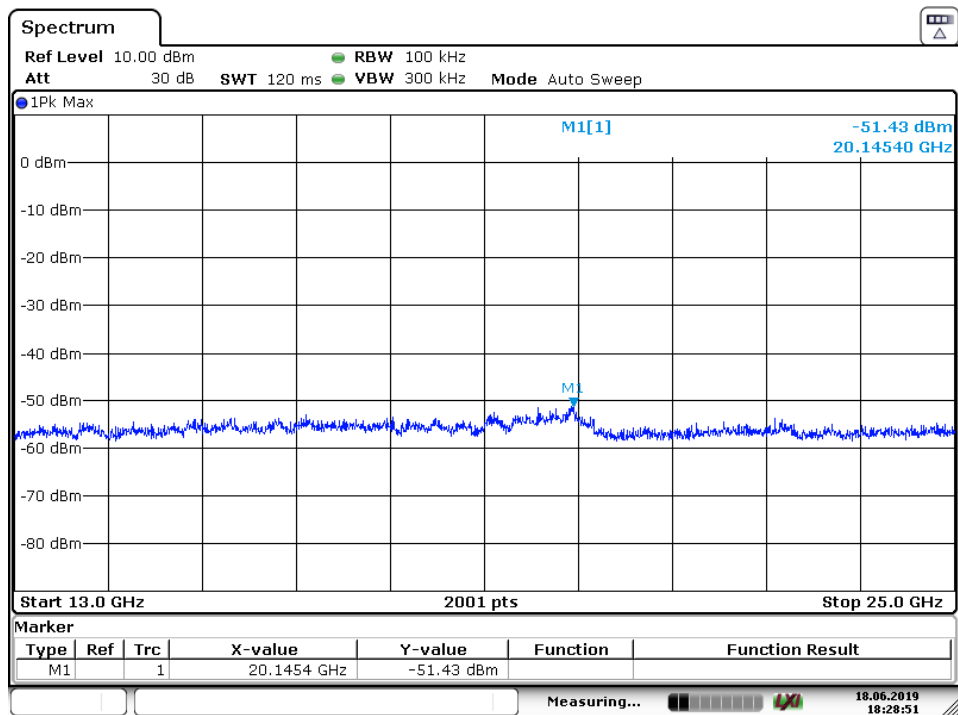
Date: 18.JUN.2019 18:28:51

Date: 18.JUN.2019 18:15:29

TX frequency: 2440MHz

Date: 18.JUN.2019 18:31:51

Date: 18.JUN.2019 18:31:21

Date: 18.JUN.2019 18:30:30

Date: 18.JUN.2019 18:30:09
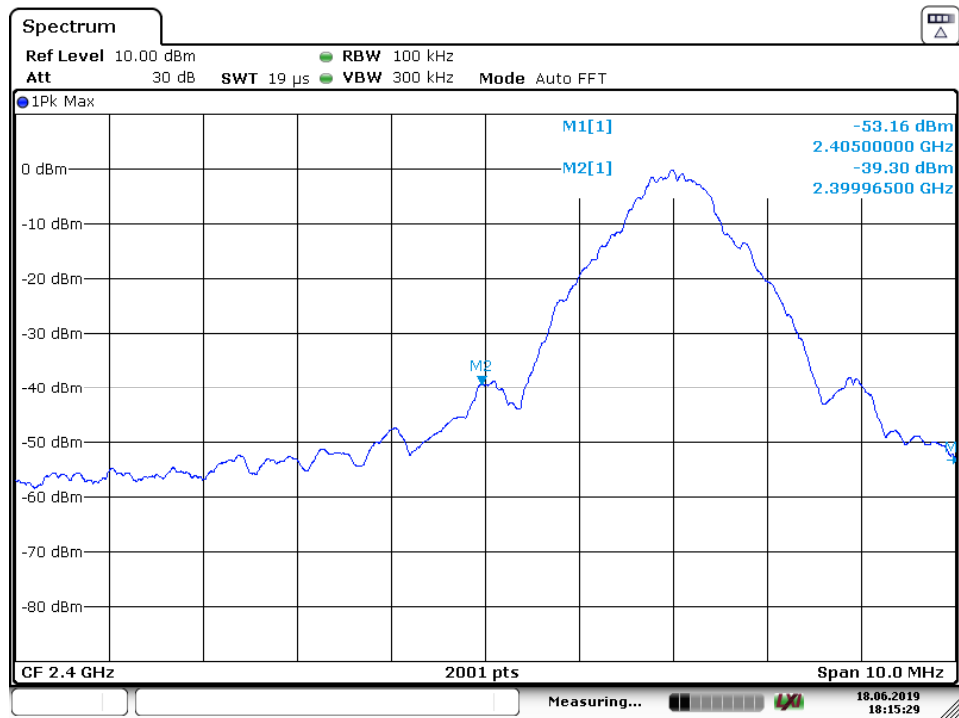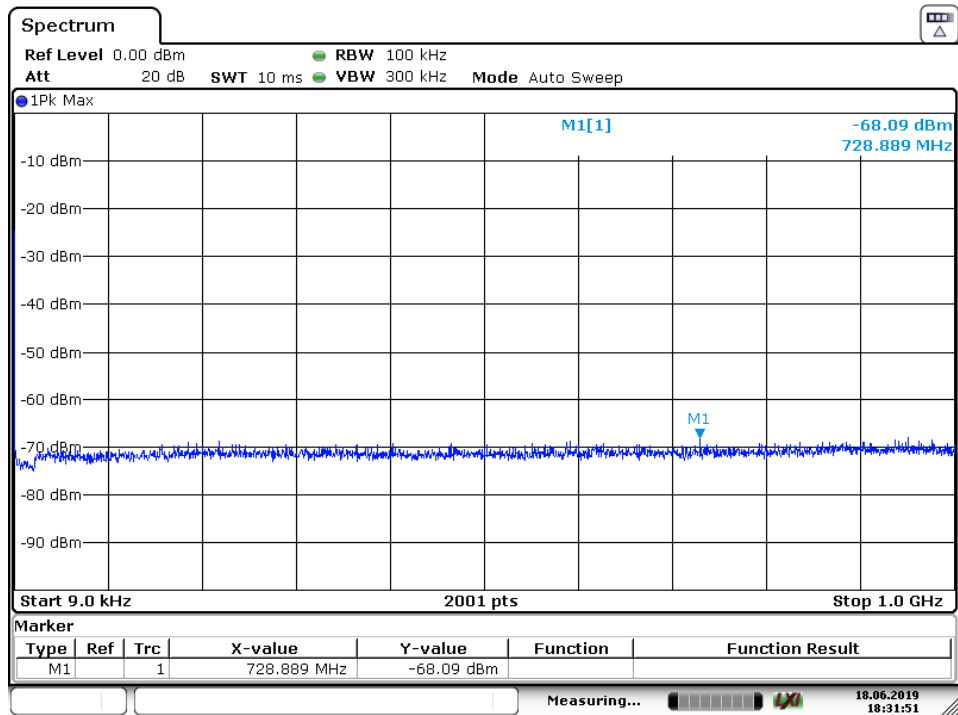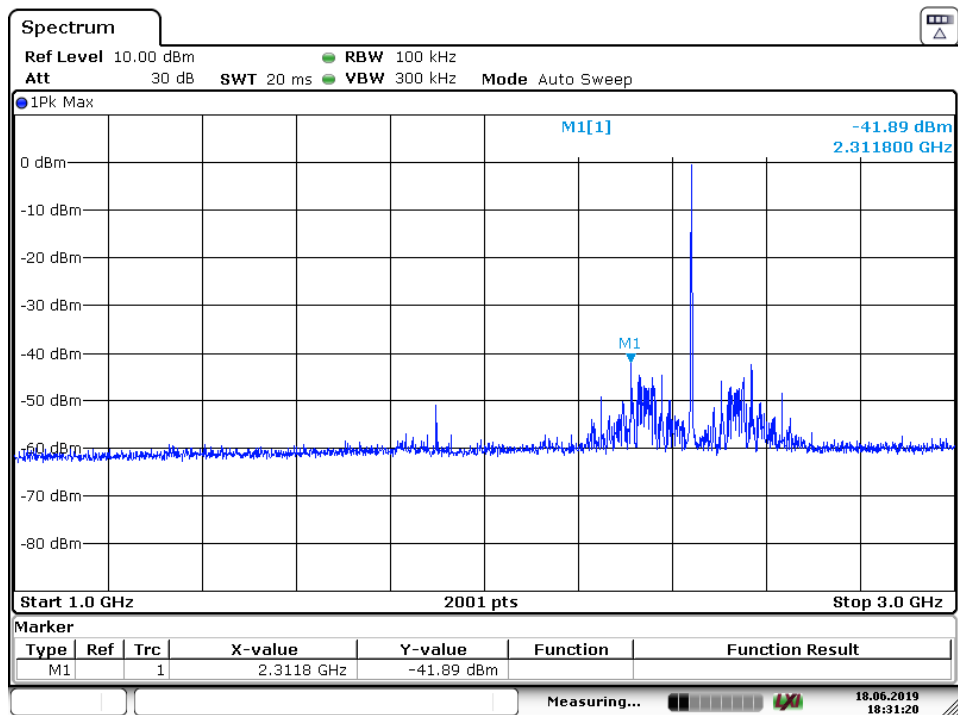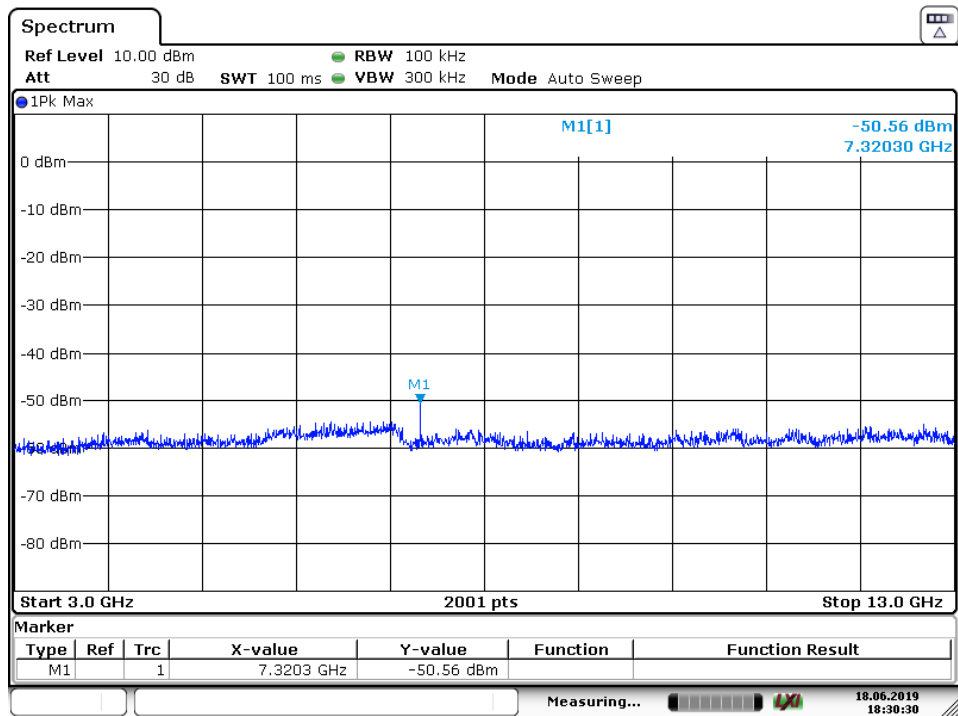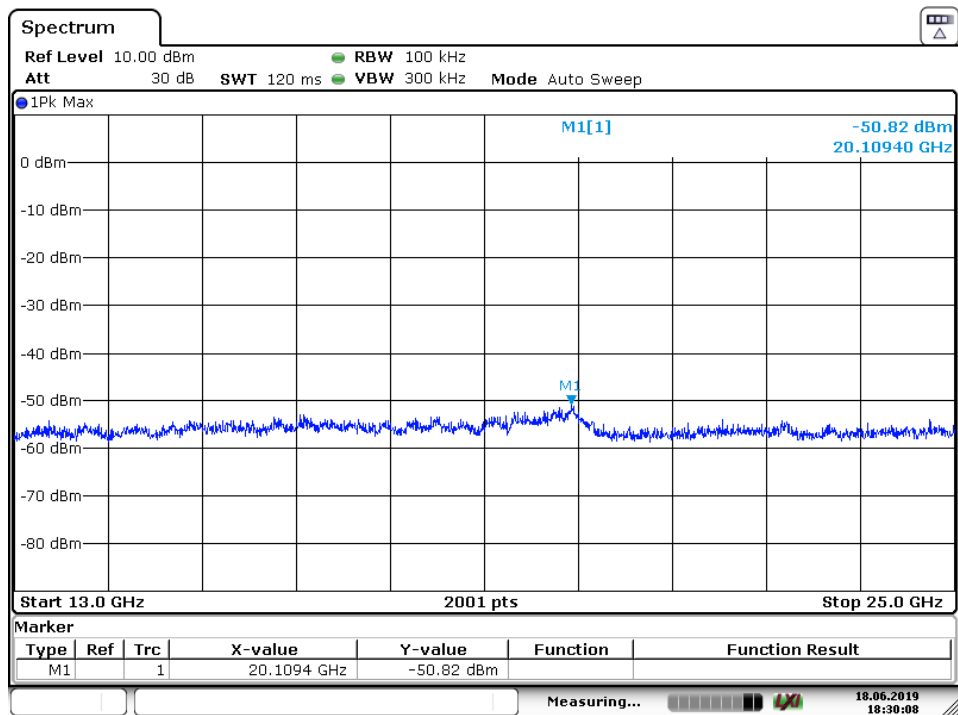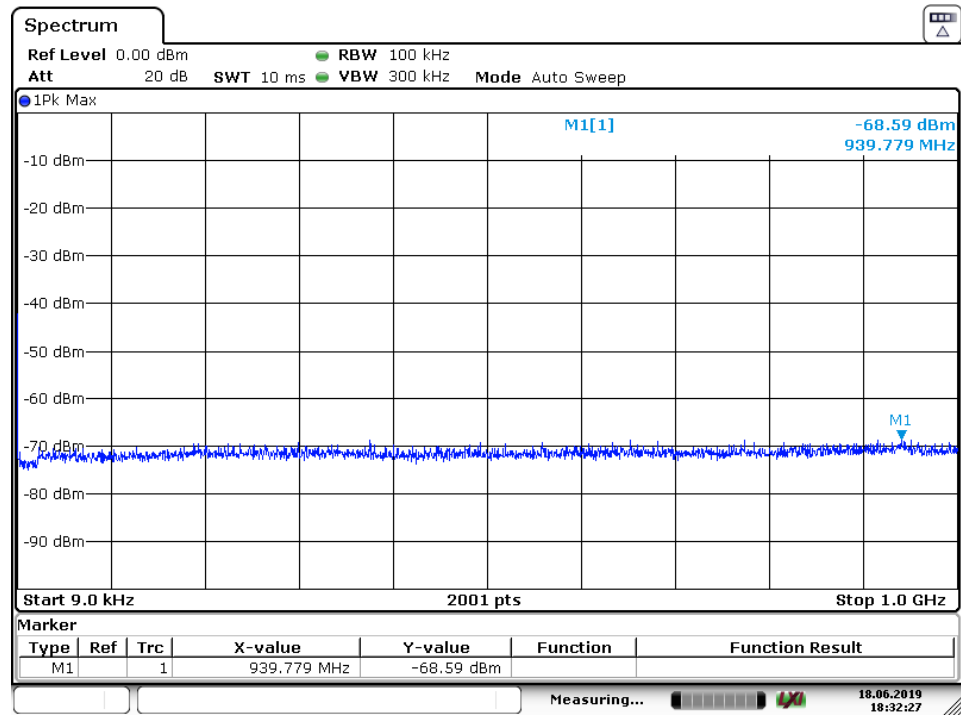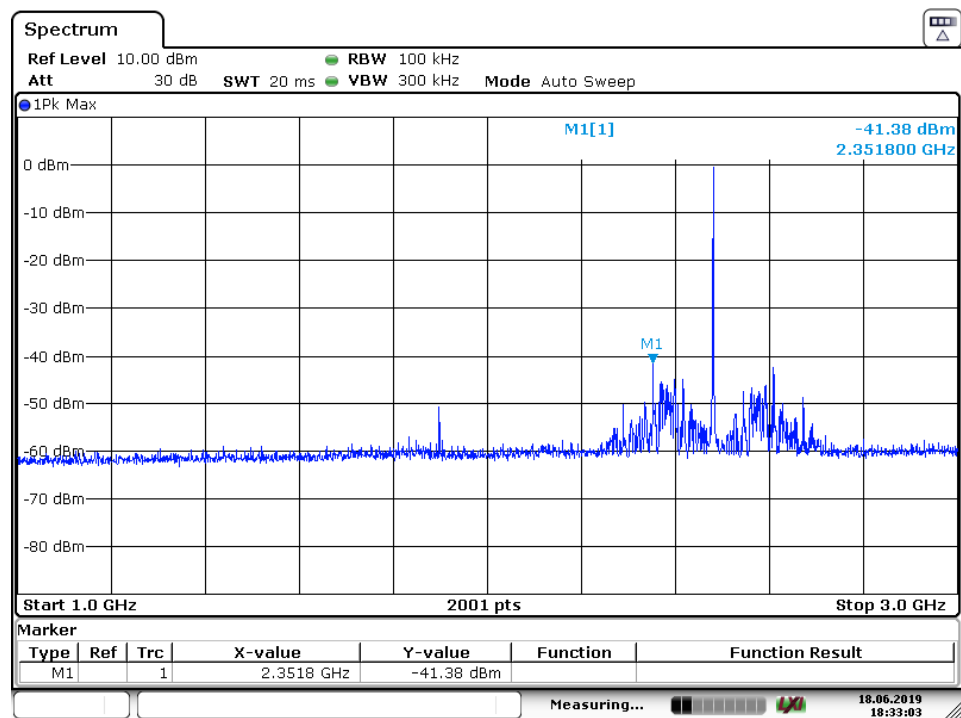
TX frequency: 2480MHz

Date: 18.JUN.2019 18:32:28

Date: 18.JUN.2019 18:33:03

Spectrum (first plot)

Ref Level 10.00 dBm   ● RBW 100 kHz
Att 30 dB   SWT 100 ms ● VBW 300 kHz   Mode Auto Sweep

● 1Pk Max

M1[1]   −52.40 dBm
7.44030 GHz

M1

Start 3.0 GHz   2001 pts   Stop 13.0 GHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	7.4403 GHz	−52.40 dBm		

Measuring...   18.06.2019 18:33:34

Date: 18.JUN.2019 18:33:35

Spectrum (second plot)

Ref Level 10.00 dBm   ● RBW 100 kHz
Att 30 dB   SWT 120 ms ● VBW 300 kHz   Mode Auto Sweep

● 1Pk Max

M1[1]   −50.98 dBm
20.09750 GHz

M1

Start 13.0 GHz   2001 pts   Stop 25.0 GHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	20.0975 GHz	−50.98 dBm		

Measuring...   18.06.2019 18:34:03

Date: 18.JUN.2019 18:34:03

Spectrum

Ref Level 10.00 dBm   ● RBW 100 kHz
Att   30 dB   SWT 19 μs ● VBW 300 kHz   Mode Auto FFT

● 1Pk Max

M2[1]   -52.73 dBm
2.48403470 GHz
M1[1]   -0.41 dBm
2.47997680 GHz

CF 2.4835 GHz   2001 pts   Span 10.0 MHz

Measuring...   18.06.2019 18:21:15

Date: 18.JUN.2019 18:21:15