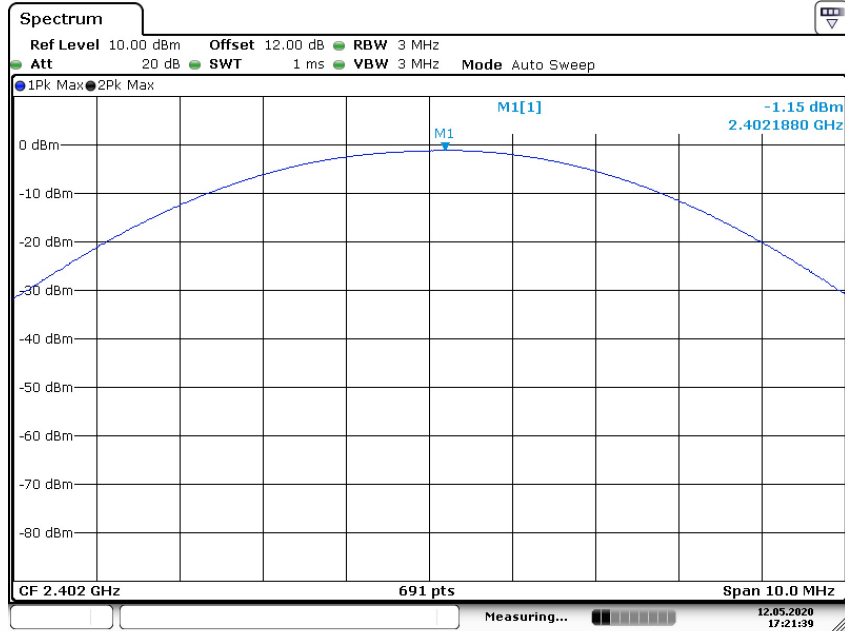
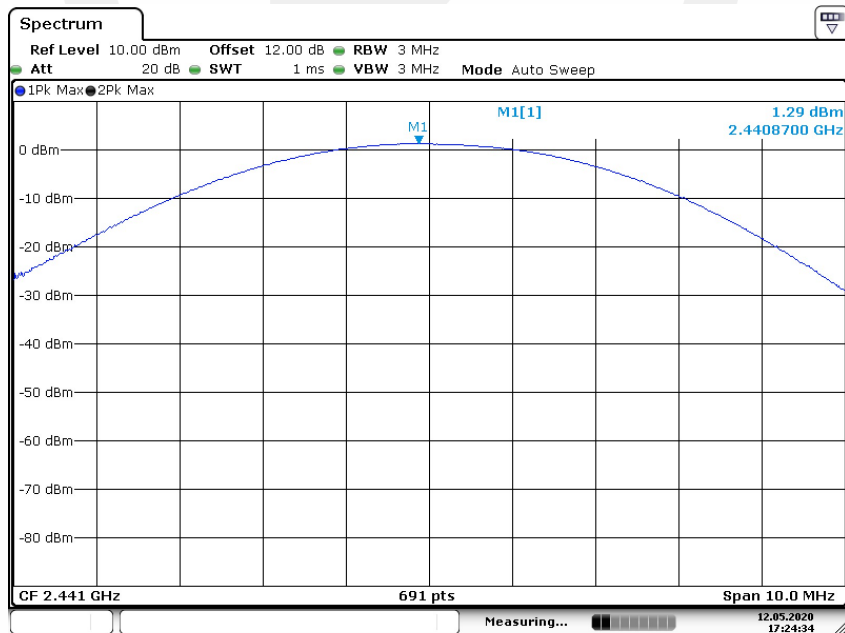


| | | |
|------------|------------------------------------|------|
| Test Model | Maximum PeakConducted Output Power | |
| | Channel 0: 2402MHz | GFSK |



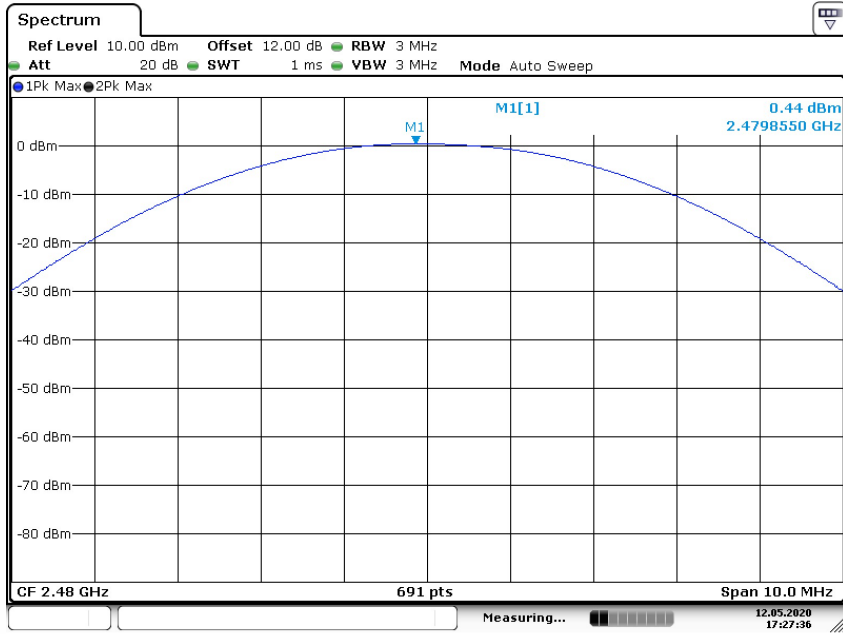
Date: 12.MAY.2020 17:21:39

| | | |
|------------|------------------------------------|------|
| Test Model | Maximum PeakConducted Output Power | |
| | Channel 39: 2441MHz | GFSK |



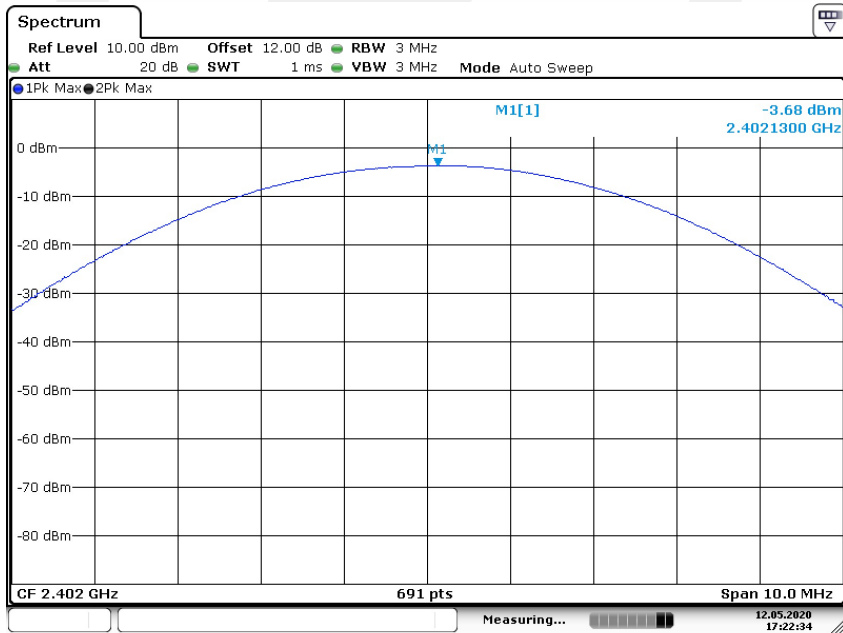
Date: 12.MAY.2020 17:24:34

| | | |
|------------|------------------------------------|------|
| Test Model | Maximum PeakConducted Output Power | |
| | Channel 78: 2480MHz | GFSK |



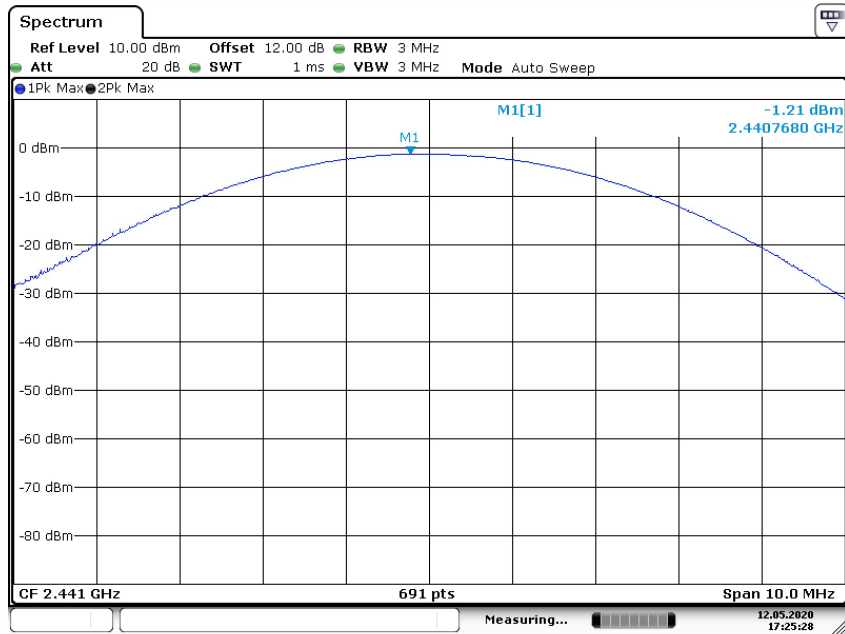
Date: 12.MAY.2020 17:27:36

| | | |
|------------|------------------------------------|------------|
| Test Model | Maximum PeakConducted Output Power | |
| | Channel 0: 2402MHz | pi/4-DQPSK |



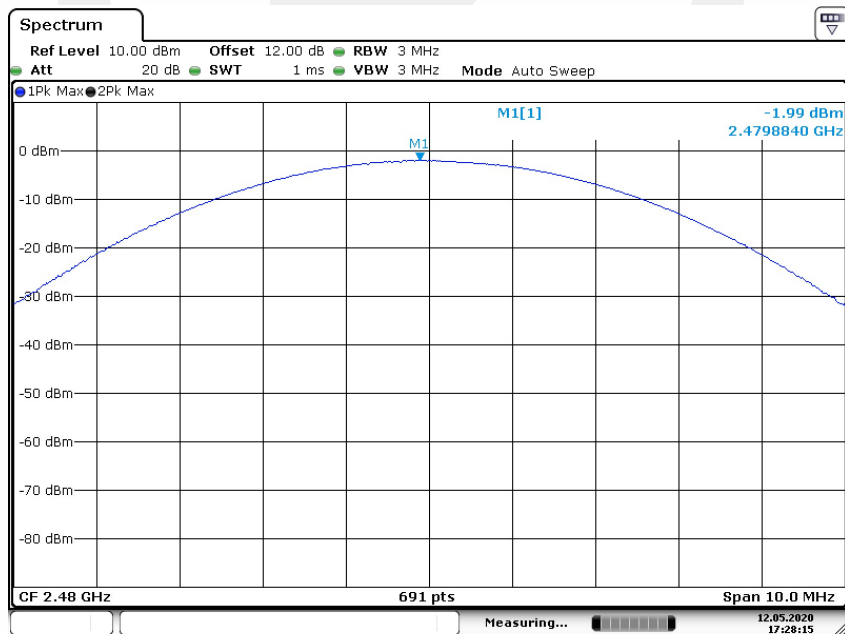
Date: 12.MAY.2020 17:22:34

| | | |
|------------|------------------------------------|------------|
| Test Model | Maximum PeakConducted Output Power | |
| | Channel 39: 2441MHz | pi/4-DQPSK |



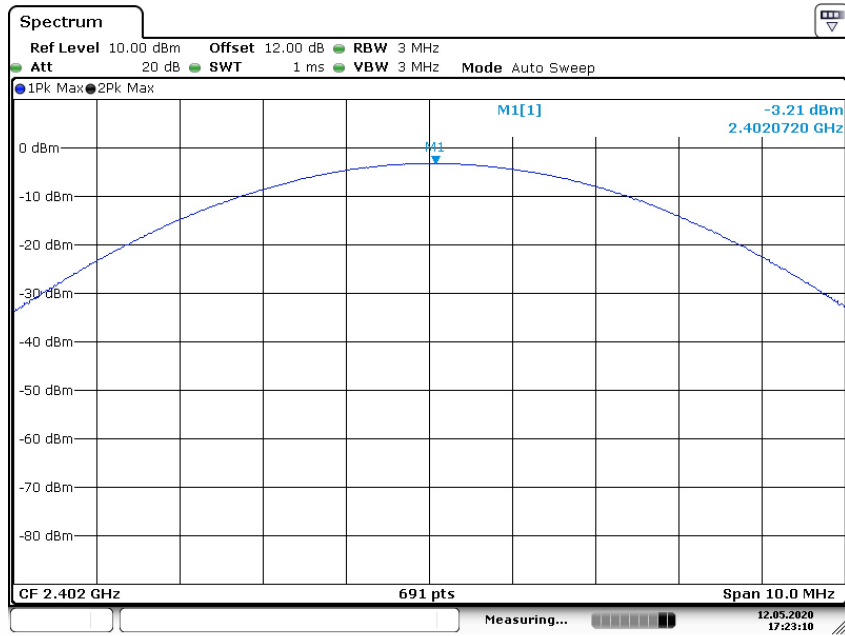
Date: 12.MAY.2020 17:25:28

| | | |
|------------|------------------------------------|------------|
| Test Model | Maximum PeakConducted Output Power | |
| | Channel 78: 2480MHz | pi/4-DQPSK |



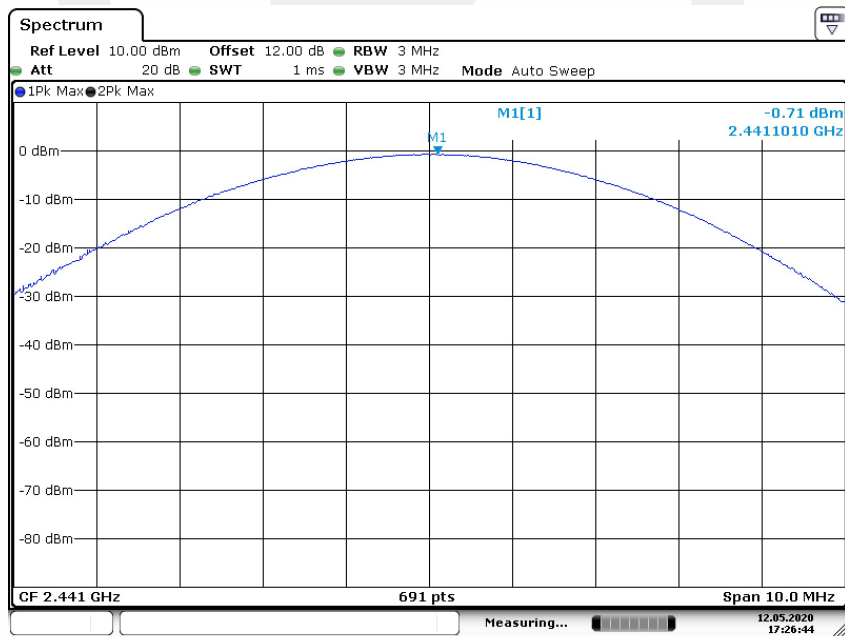
Date: 12.MAY.2020 17:28:16

| | | |
|------------|------------------------------------|-------|
| Test Model | Maximum PeakConducted Output Power | |
| | Channel 0: 2402MHz | 8DPSK |

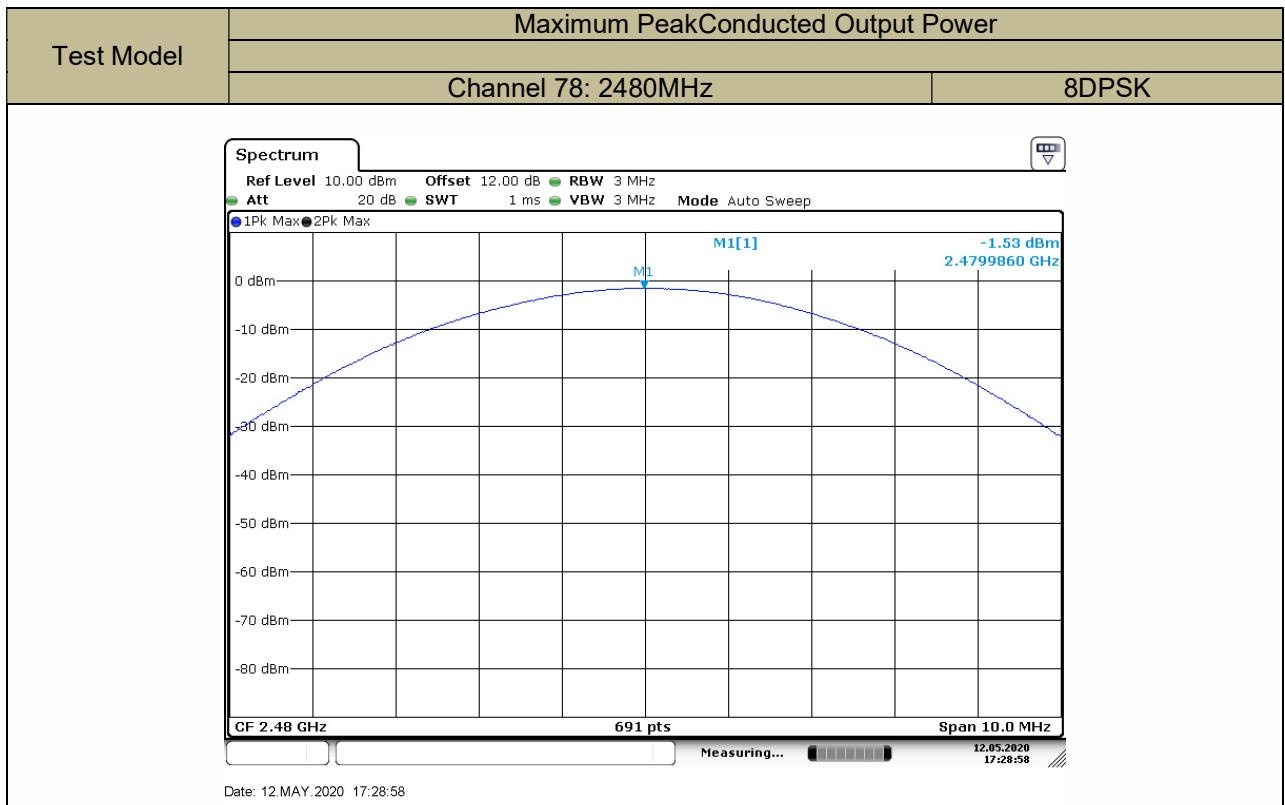


Date: 12.MAY.2020 17:23:10

| | | |
|------------|------------------------------------|-------|
| Test Model | Maximum PeakConducted Output Power | |
| | Channel 39: 2441MHz | 8DPSK |



Date: 12.MAY.2020 17:26:44



9.6 CONDUCTED SUPRIIOUS EMISSION

9.6.1 Applicable Standard

According to FCC Part 15.247(d), RSS-247 Clause 5.5, 558074 D01 15.247 Meas Guidance V05r02

9.6.2 Conformance Limit

According to FCC Part 15.247(d) and RSS-247 Clause 5.5

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted, provided the transmitter demonstrates compliance with the peak conducted power limits.

9.6.3 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

9.6.4 Test Procedure

The transmitter output (antenna port) was connected to the spectrum analyzer

■ Reference level measurement

Establish a reference level by using the following procedure:

Set instrument center frequency to DSS channel center frequency.

Set Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel.

Set the RBW = 100 kHz. Set the VBW $\geq 3 \times$ RBW.

Set Detector = peak. Set Sweep time = auto couple.

Set Trace mode = max hold. Allow trace to fully stabilize.

Use the peak marker function to determine the maximum Maximumconducedtedlevel.

Note that the channel found to contain the maximum conducedted level can be used to establish the reference level.

■ Band-edge Compliance of RF Conducted Emissions

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the emission operating on the channel closest to the band-edge, as well as any modulation products which fall outside of the authorized band of operation

Set RBW $\geq 1\%$ of the span=100kHzSet VBW \geq RBW

Set Sweep = autoSetDetector function = peakSetTrace = max hold

Allow the trace to stabilize. Set the marker on the emission at the bandedge, or on the highest modulation product outside of the band, if this level is greater than that at the bandedge. Enable the marker-delta function, then use the marker-to-peak function to move the marker to the peak of the in-band emission. The marker-delta value now displayed must comply with the limit specified in this Section.

Now, using the same instrument settings, enable the hopping function of the EUT. Allow the trace to stabilize. Follow the same procedure listed above to determine if any spurious emissions caused by the hopping function also comply with the specified limit.

■ ConducedtedSpurious RF Conducted Emission

Use the following spectrum analyzer settings:

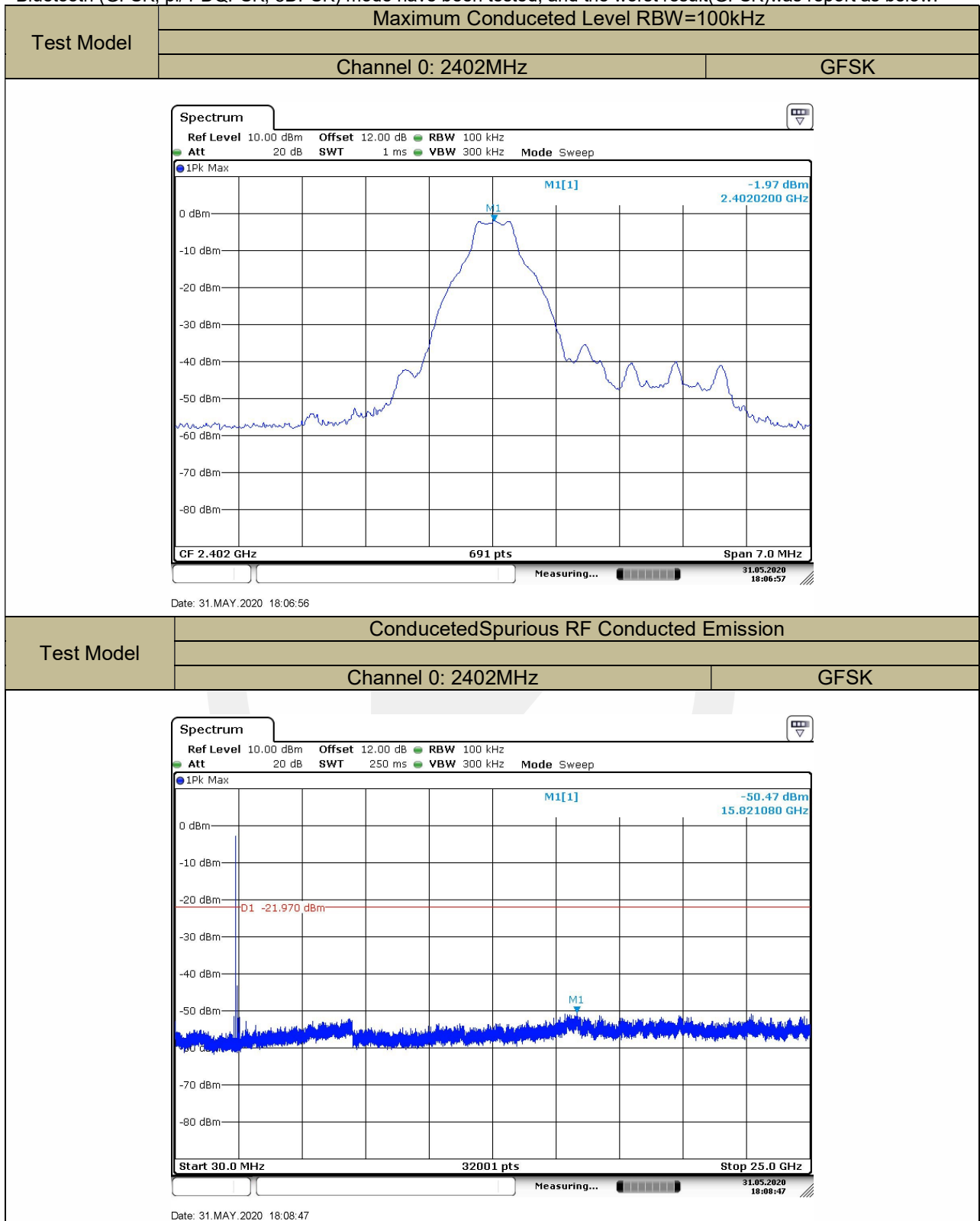
Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic.(30MHz to 25GHz).Set RBW = 100 kHzSetVBW \geq RBW

Set Sweep = autoSetDetector function = peakSetTrace = max hold

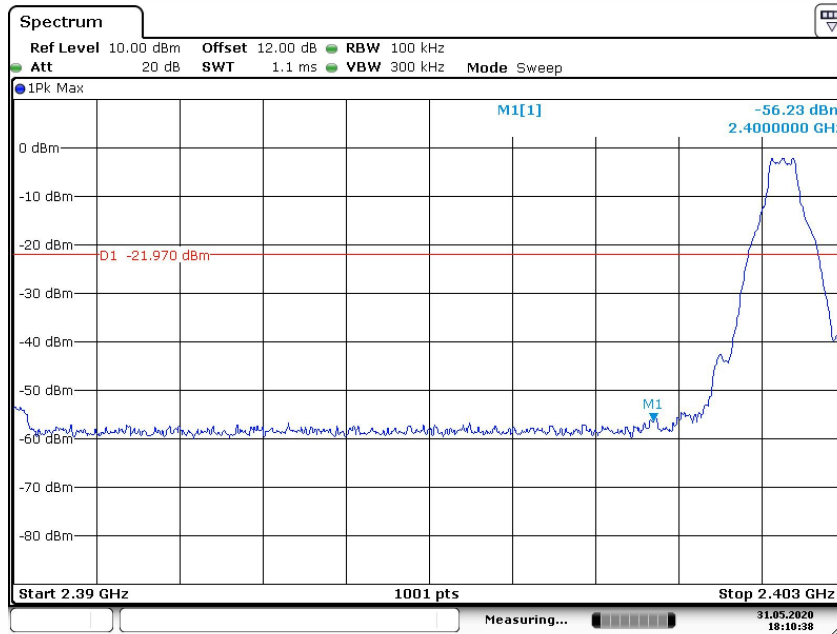
Allow the trace to stabilize. Set the marker on the peak of any spurious emission recorded. The level displayed must comply with the limit specified in this Section.

9.6.5 Test Results

Bluetooth (GFSK, pi/4-DQPSK, 8DPSK) mode have been tested, and the worst result(GFSK)was report as below:

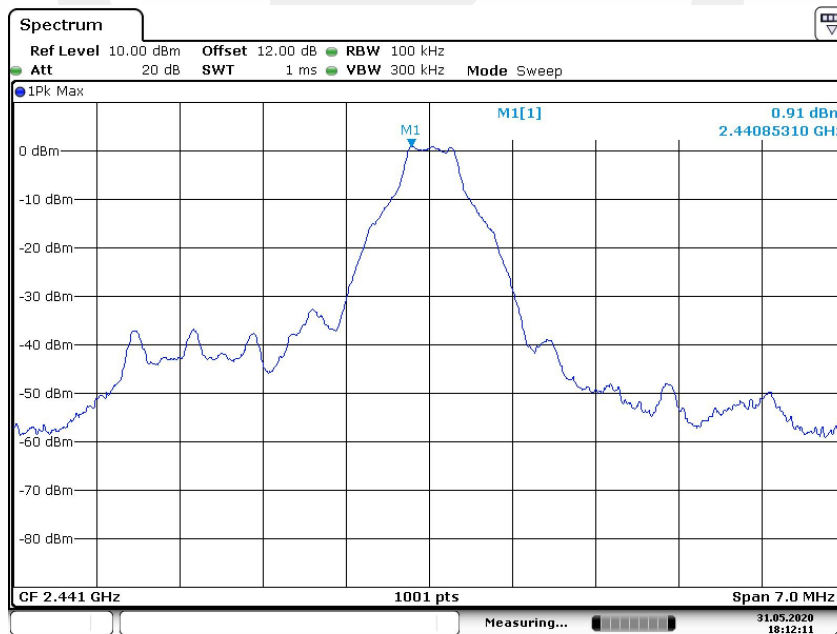


| | | |
|------------|-------------------------------|------|
| Test Model | Band-edge Conducted Emissions | |
| | Channel 0: 2402MHz | GFSK |



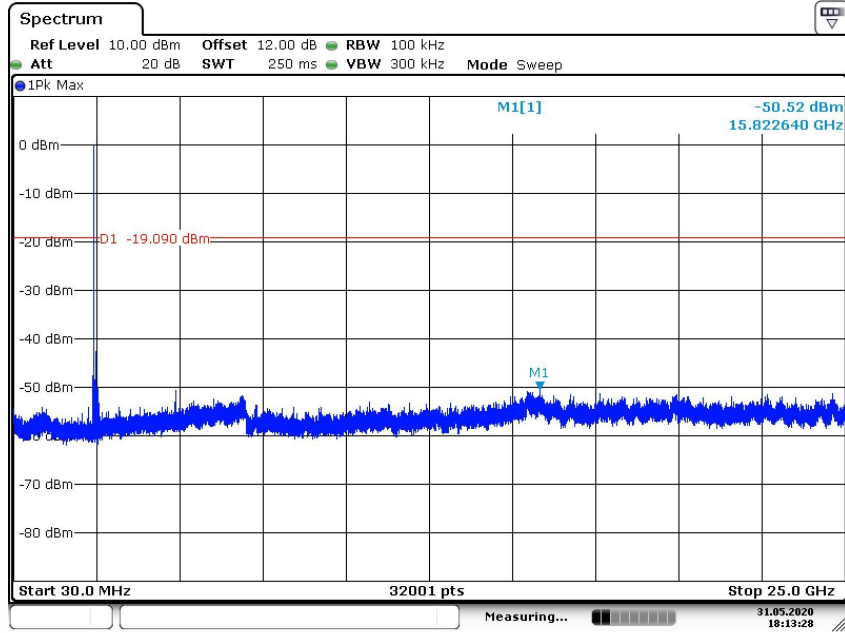
Date: 31.MAY.2020 18:10:38

| | | |
|------------|-------------------------------------|------|
| Test Model | Maximum Conduceted Level RBW=100kHz | |
| | Channel 39: 2441MHz | GFSK |



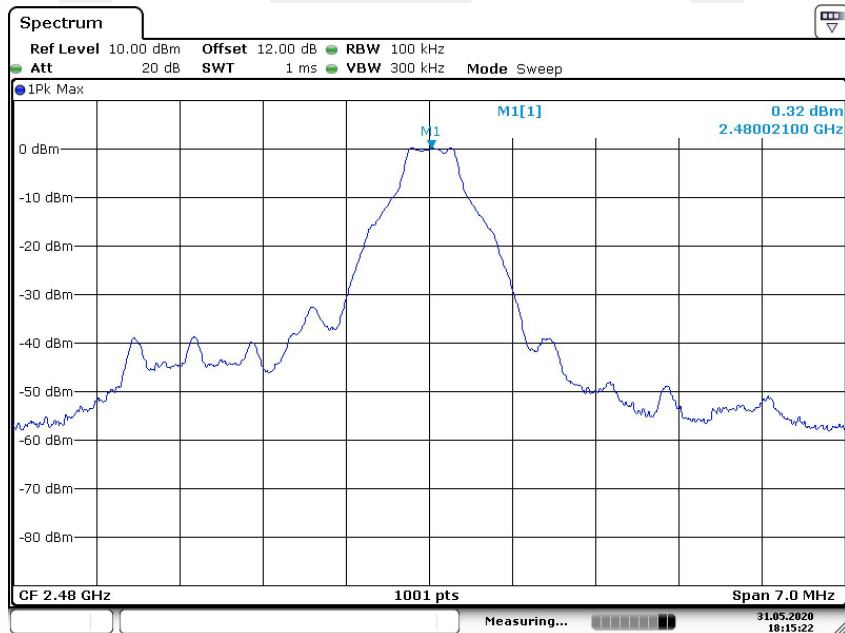
Date: 31.MAY.2020 18:12:11

| | | |
|------------|--|------|
| Test Model | ConducetedSpurious RF Conducted Emission | |
| | Channel 39: 2441MHz | GFSK |



Date: 31.MAY.2020 18:13:29

| | | |
|------------|-------------------------------------|------|
| Test Model | Maximum Conduceted Level RBW=100kHz | |
| | Channel 78: 2480MHz | GFSK |



Date: 31.MAY.2020 18:15:22