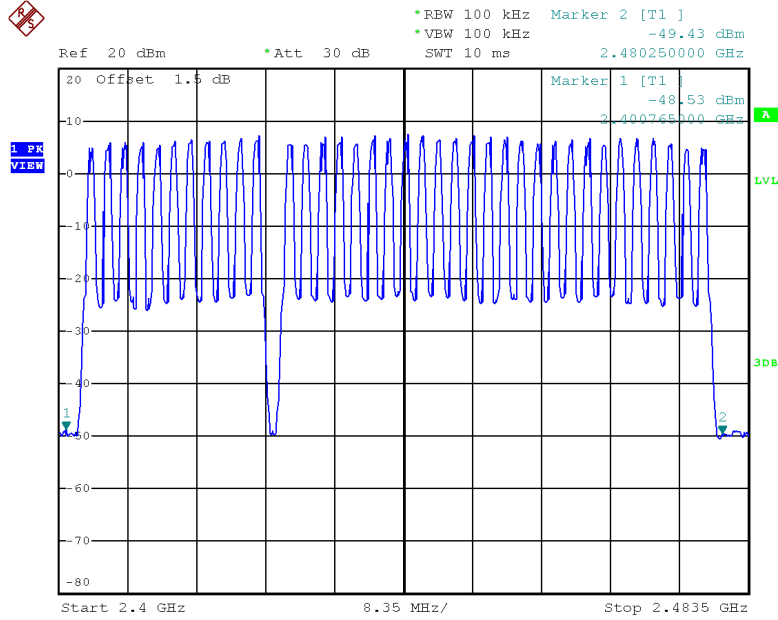


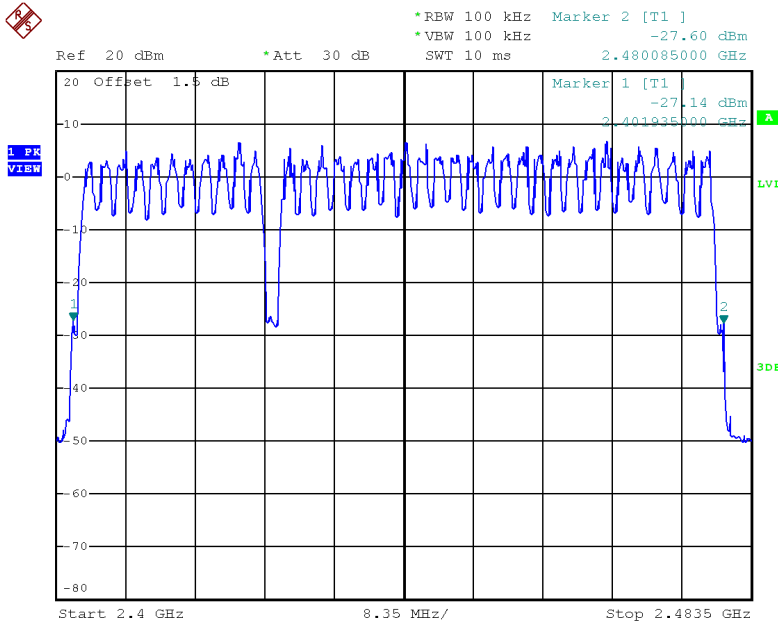
**APPENDIX E - NUMBER OF HOPPING FREQUENCY**

Test Mode	Hopping Mode_ UHD 2M GFSK (1Mbps)
Number of Hopping Frequency	37



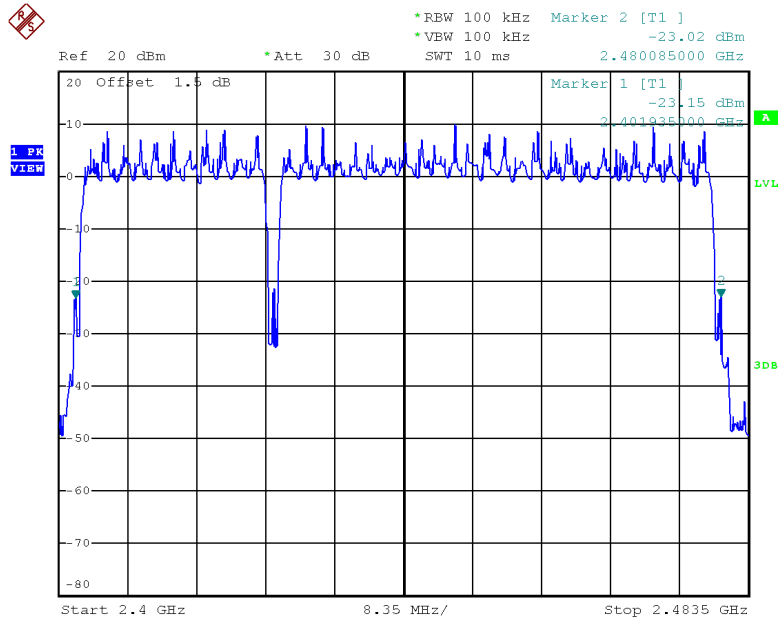
Date: 14.APR.2020 11:31:01

Test Mode	Hopping Mode_ UHD 2M GFSK (2Mbps)
Number of Hopping Frequency	37



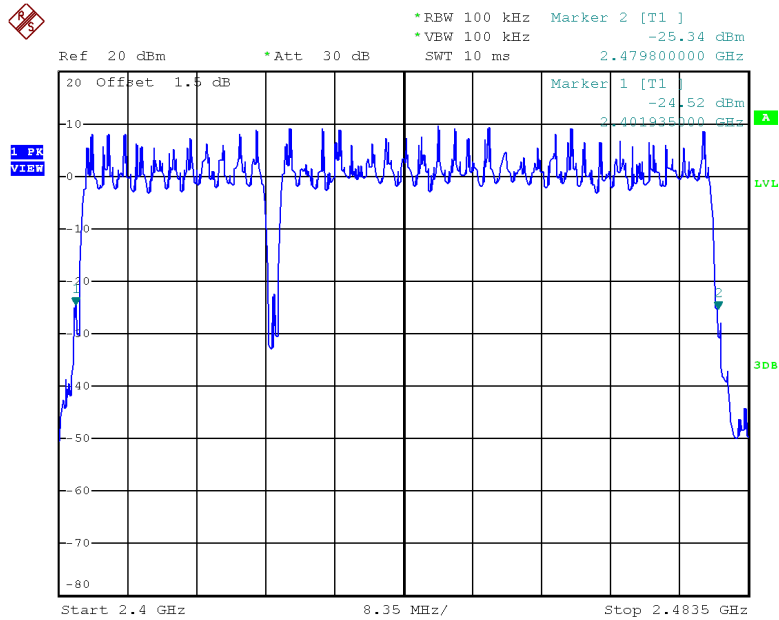
Date: 14.APR.2020 11:49:10

Test Mode	Hopping Mode_ UHD 2M $\pi/4$ -DQPSK
Number of Hopping Frequency	37



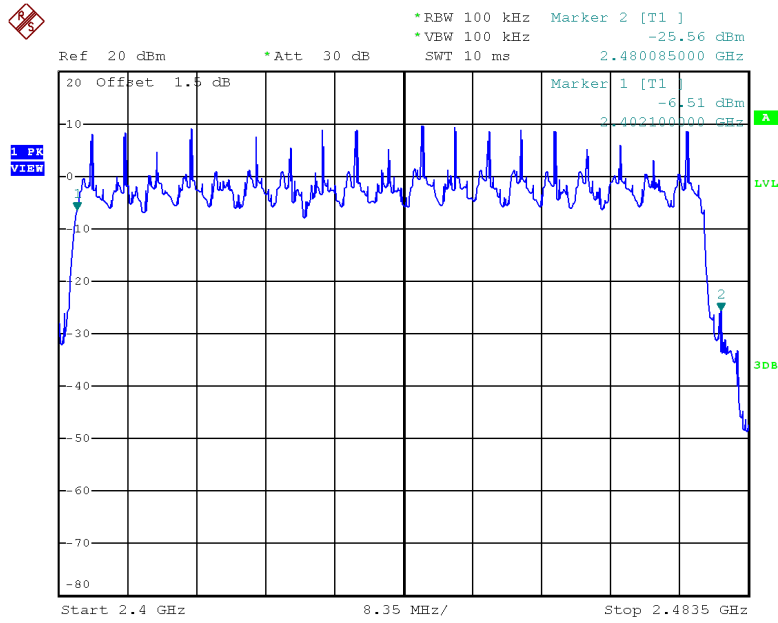
Date: 14.APR.2020 14:24:31

Test Mode	Hopping Mode_ UHD 2M 8DPSK
Number of Hopping Frequency	37



Date: 14.APR.2020 14:41:13

Test Mode	Hopping Mode_ UHD 4M $\pi/4$ -DQPSK
Number of Hopping Frequency	19



Date: 14.APR.2020 14:54:43

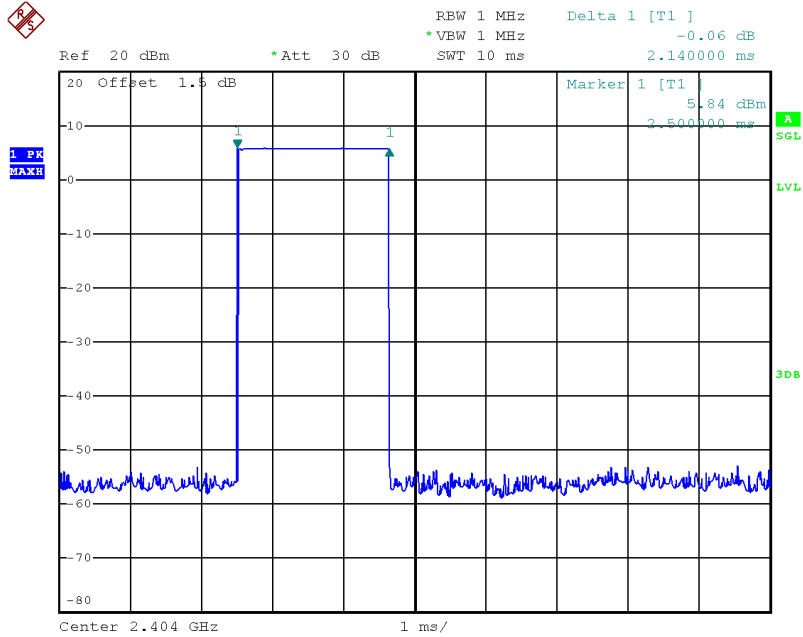
## **APPENDIX F - AVERAGE TIME OF OCCUPANCY**

Test Mode: Hopping on\_UHD 2M GFSK (1Mbps)

Frequency (MHz)	Pulse Duration (ms)	Pulse Number	Dwell Time (s)	Limits (s)	Test Result
2404	2.14	39	0.08346	0.4000	Pass

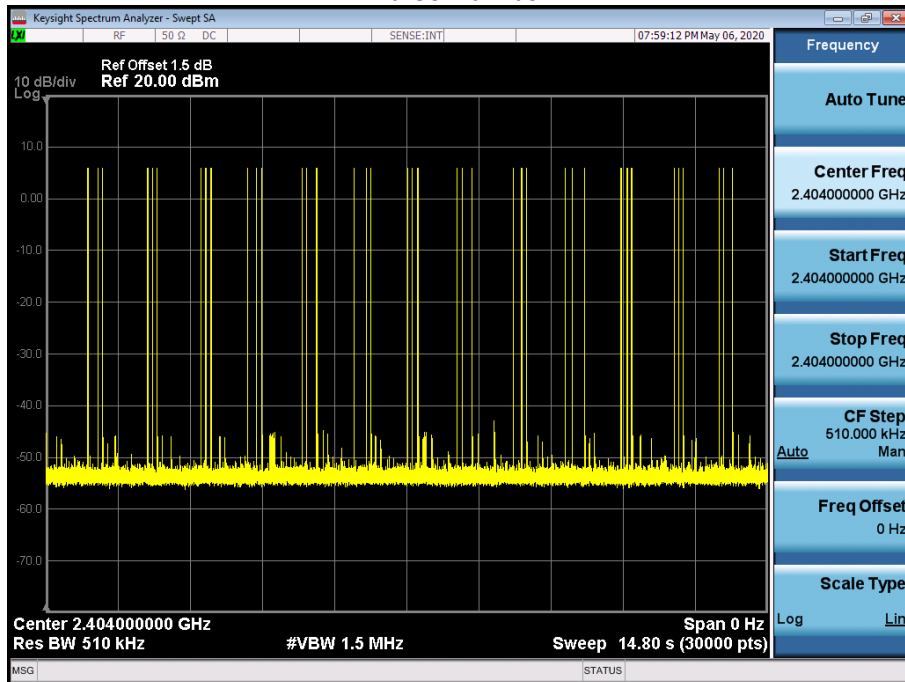
Note: Dwell Time= Pulse Duration × Pulse Number/1000

### Pulse Duration\_CH00



Date: 14.APR.2020 11:33:51

### Pulse Number

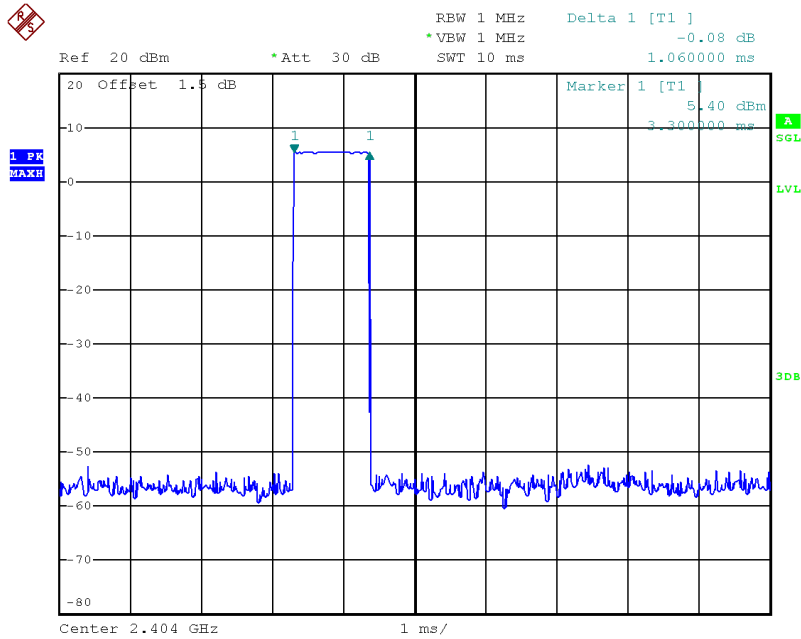


Test Mode: Hopping on\_UHD 2M GFSK (2Mbps)

Frequency (MHz)	Pulse Duration (ms)	Pulse Number	Dwell Time (s)	Limits (s)	Test Result
2404	1.06	63	0.06678	0.4000	Pass

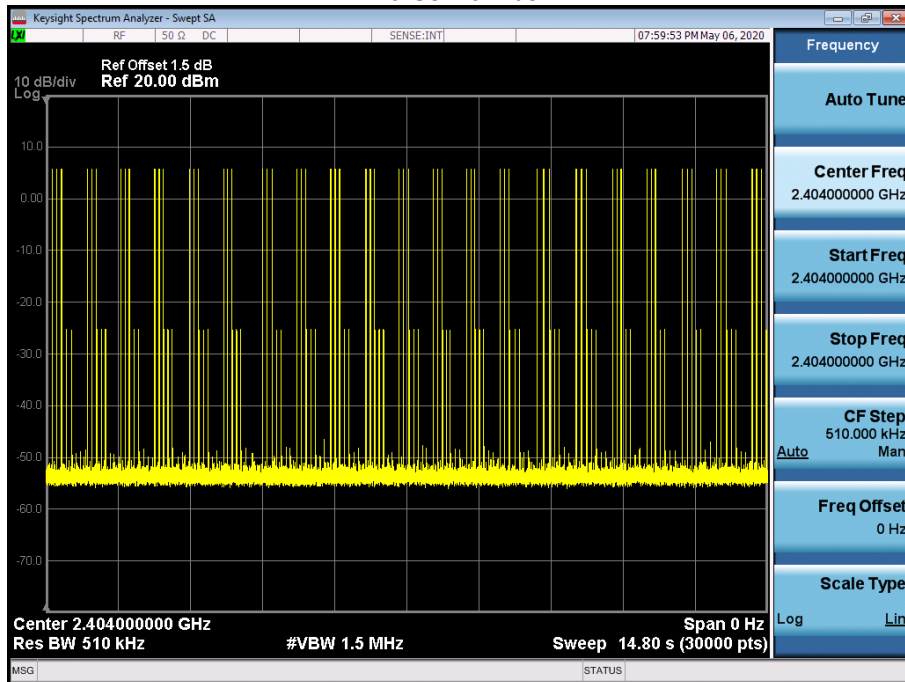
Note: Dwell Time= Pulse Duration×Pulse Number/1000

### Pulse Duration\_CH00



Date: 14.APR.2020 11:51:41

### Pulse Number

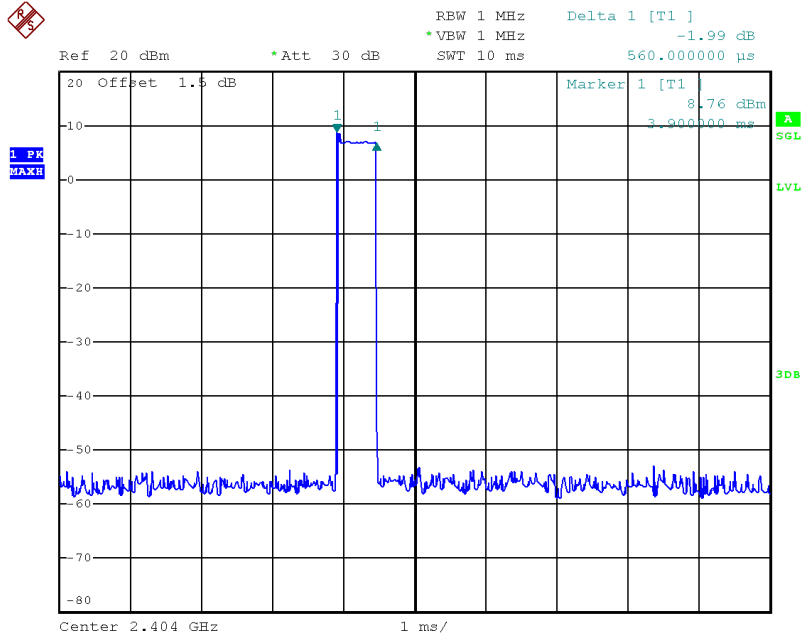


Test Mode: Hopping on\_UHD 2M  $\pi/4$ -DQPSK

Frequency (MHz)	Pulse Duration (ms)	Pulse Number	Dwell Time (s)	Limits (s)	Test Result
2404	0.56	48	0.02688	0.4000	Pass

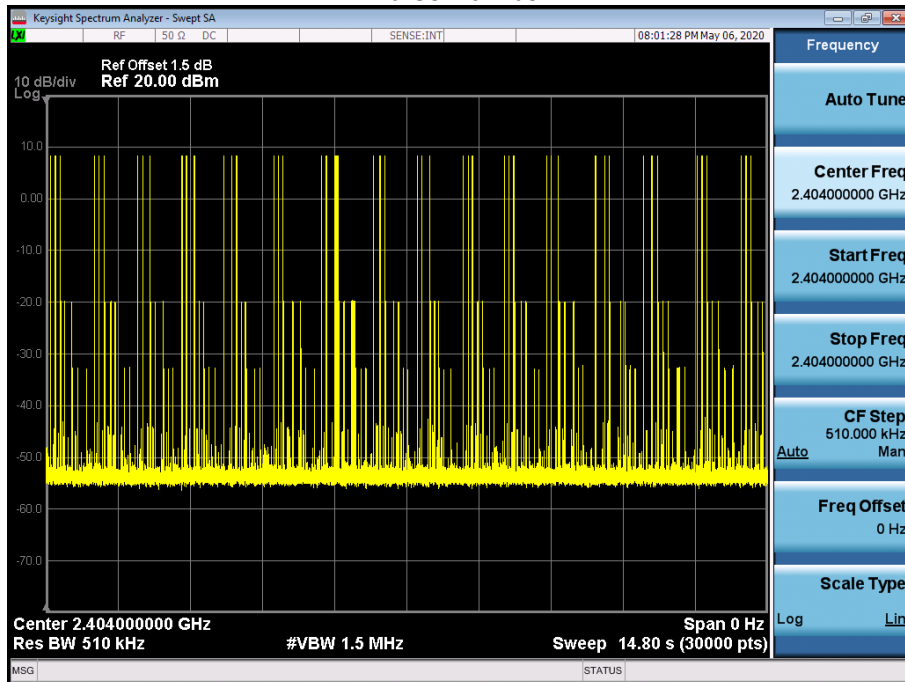
Note: Dwell Time= Pulse Duration  $\times$  Pulse Number/1000

### Pulse Duration\_CH00



Date: 14.APR.2020 14:26:33

### Pulse Number



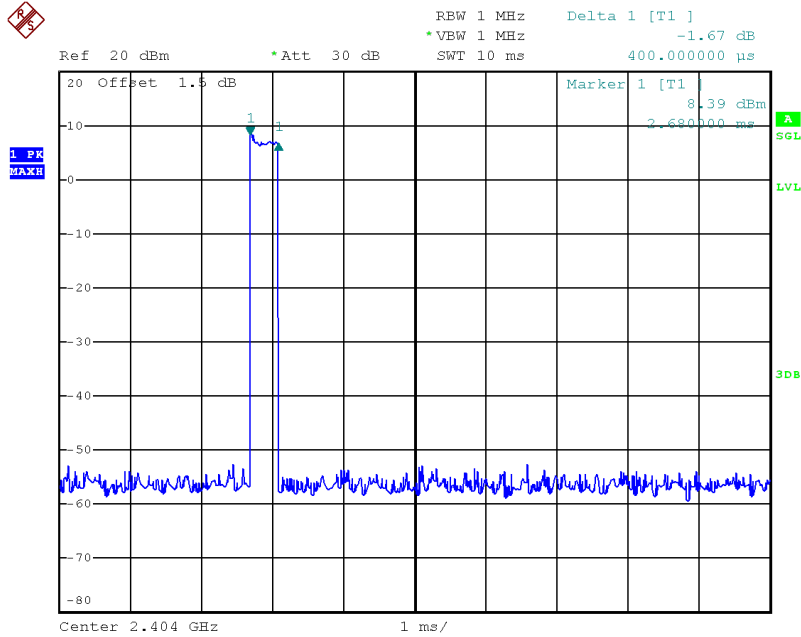


Test Mode: Hopping on\_UHD 2M 8DPSK

Frequency (MHz)	Pulse Duration (ms)	Pulse Number	Dwell Time (s)	Limits (s)	Test Result
2404	0.4	51	0.0204	0.4000	Pass

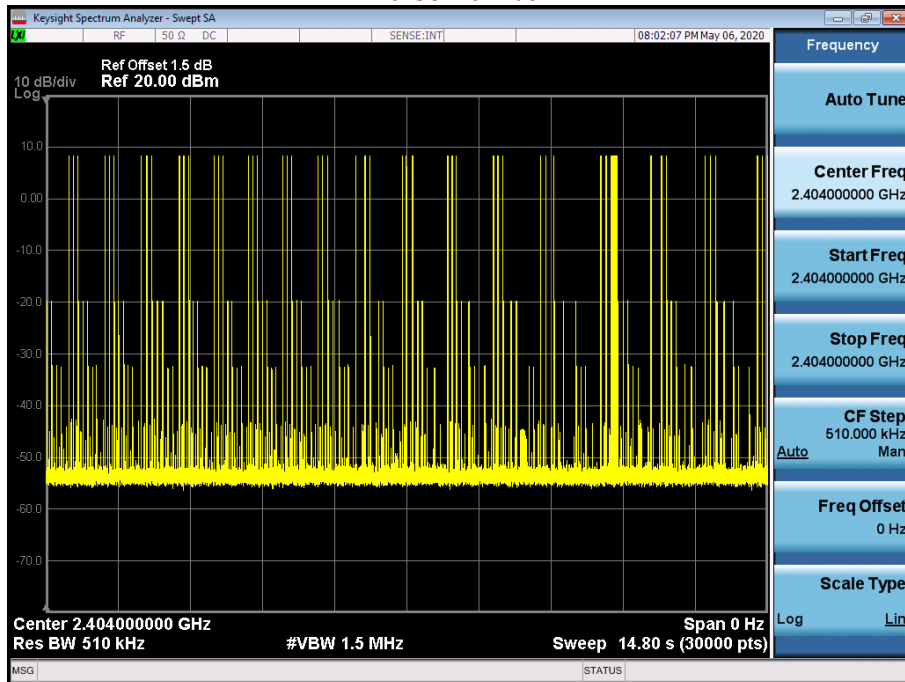
Note: Dwell Time= Pulse Duration × Pulse Number / 1000

### Pulse Duration\_CH00



Date: 14.APR.2020 14:45:09

### Pulse Number

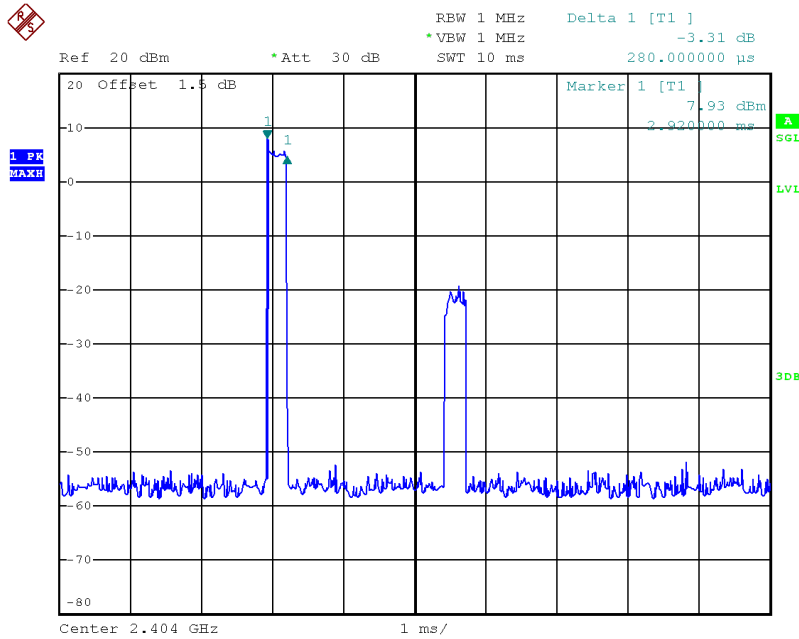


Test Mode: Hopping on\_UHD 4M  $\pi/4$ -DQPSK

Frequency (MHz)	Pulse Duration (ms)	Pulse Number	Dwell Time (s)	Limits (s)	Test Result
2404	0.28	61	0.01708	0.4000	Pass

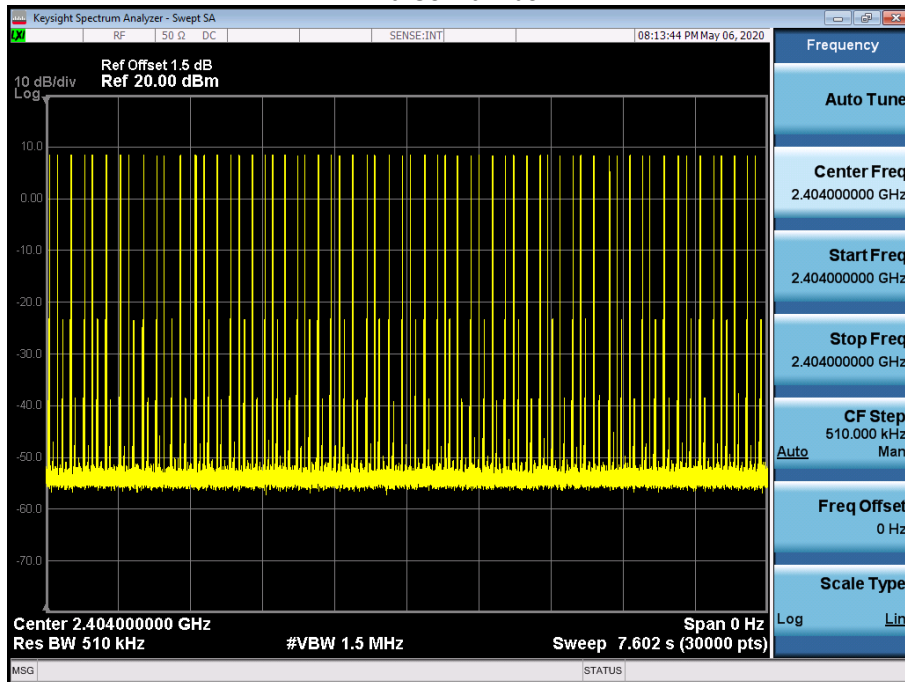
Note: Dwell Time= Pulse Duration  $\times$  Pulse Number/1000

### Pulse Duration\_CH00



Date: 14.APR.2020 14:57:14

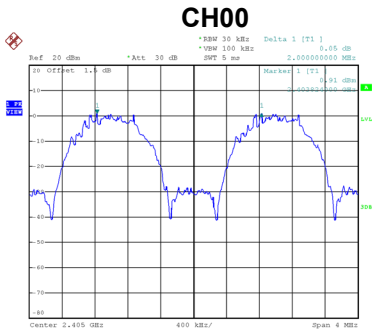
### Pulse Number



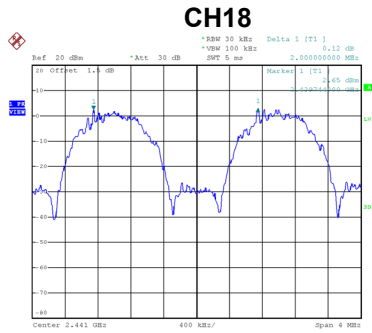
## **APPENDIX G - HOPPING CHANNEL SEPARATION MEASUREMENT**

**Test Mode:** Hopping on \_UHD 2M GFSK (1Mbps)

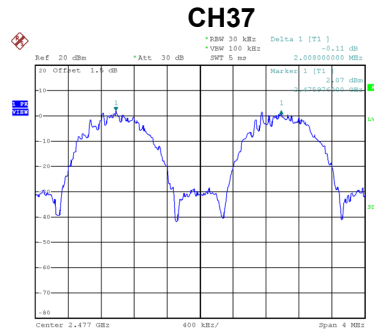
Channel	Frequency (MHz)	Channel Separation (MHz)	2/3 of 20 dB Bandwidth (MHz)	Test Result
00	2404	2.000	0.779	Pass
18	2440	2.000	0.773	Pass
37	2478	2.008	0.776	Pass



Date: 14.APR.2020 11:23:12



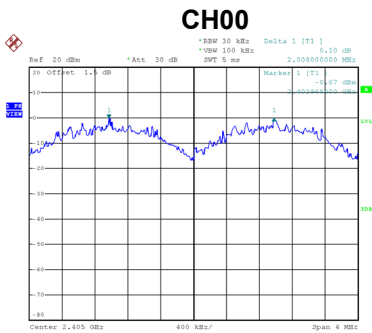
Date: 14.APR.2020 11:25:51



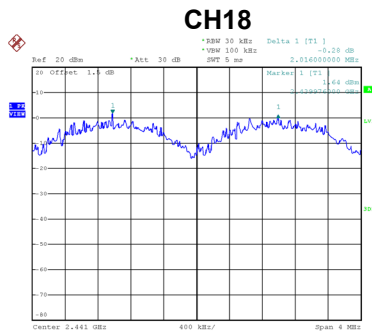
Date: 14.APR.2020 11:28:40

**Test Mode:** Hopping on \_UHD 2M GFSK (2Mbps)

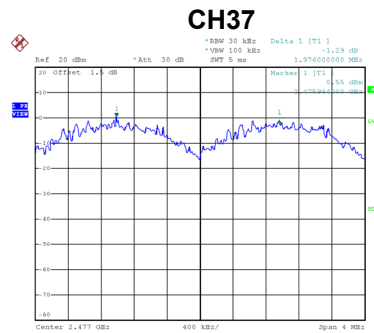
Channel	Frequency (MHz)	Channel Separation (MHz)	2/3 of 20 dB Bandwidth (MHz)	Test Result
00	2404	2.008	1.472	Pass
18	2440	2.016	1.504	Pass
37	2478	1.976	1.477	Pass



Date: 14.APR.2020 11:37:38



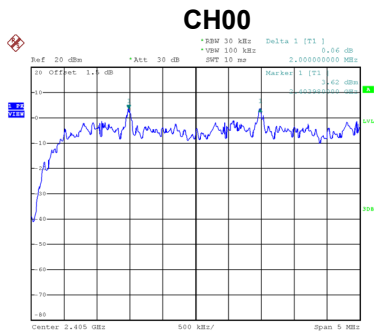
Date: 14.APR.2020 11:41:20



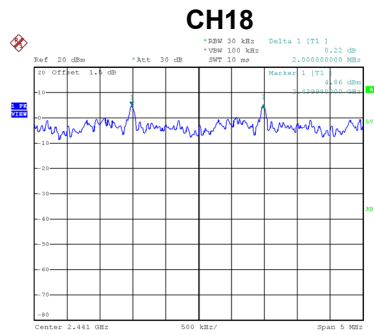
Date: 14.APR.2020 11:47:09

Test Mode: Hopping on \_UHD 2M  $\pi/4$ -DQPSK

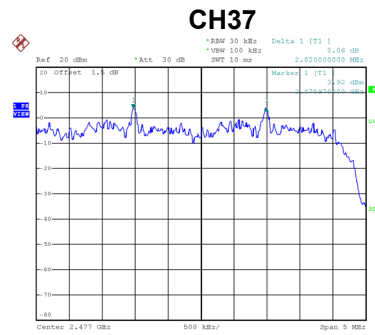
Channel	Frequency (MHz)	Channel Separation (MHz)	2/3 of 20 dB Bandwidth (MHz)	Test Result
00	2404	2.000	1.673	Pass
18	2440	2.000	1.667	Pass
37	2478	2.020	1.667	Pass



Date: 14.APR.2020 14:13:09



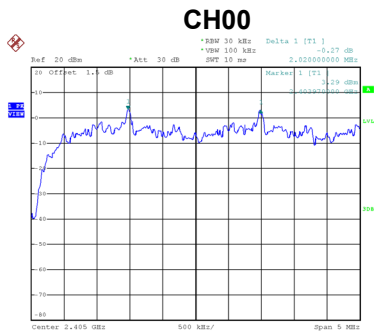
Date: 14.APR.2020 14:18:19



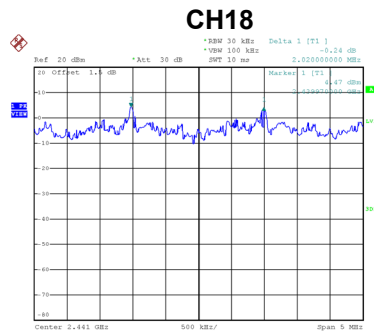
Date: 14.APR.2020 14:21:25

Test Mode: Hopping on \_UHD 2M 8DPSK

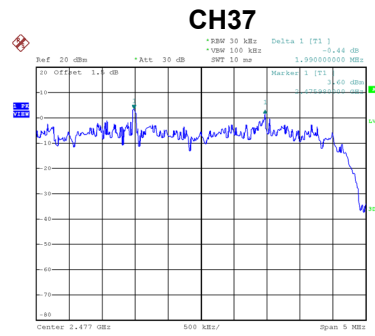
Channel	Frequency (MHz)	Channel Separation (MHz)	2/3 of 20 dB Bandwidth (MHz)	Test Result
00	2404	2.020	1.673	Pass
18	2440	2.020	1.673	Pass
37	2478	1.990	1.660	Pass



Date: 14.APR.2020 14:13:01



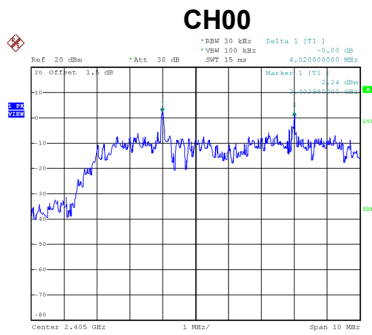
Date: 14.APR.2020 14:13:32



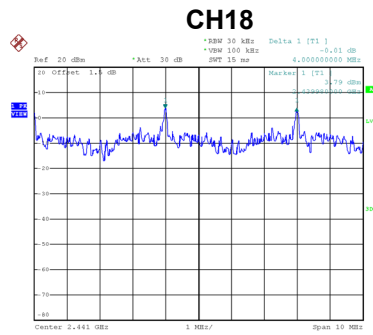
Date: 14.APR.2020 14:13:54

Test Mode: Hopping on \_UHD 4M  $\pi/4$ -DQPSK

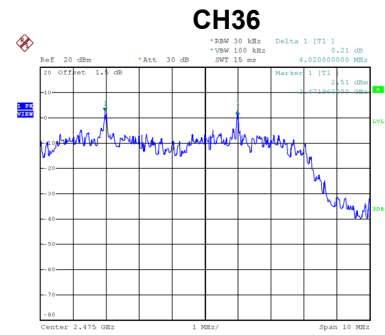
Channel	Frequency (MHz)	Channel Separation (MHz)	2/3 of 20 dB Bandwidth (MHz)	Test Result
00	2404	4.020	2.960	Pass
18	2440	4.000	2.947	Pass
36	2476	4.020	2.973	Pass



Date: 14.APR.2020 14:48:14



Date: 14.APR.2020 14:50:34

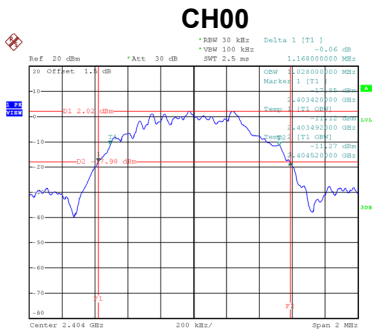


Date: 14.APR.2020 14:52:24

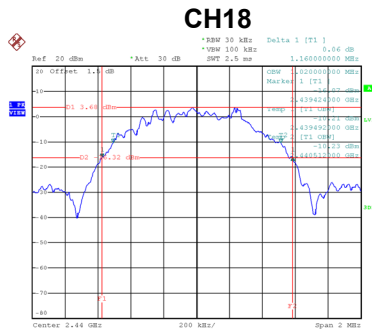
## APPENDIX H - BANDWIDTH

Test Mode: TX Mode\_UHD 2M GFSK (1Mbps)

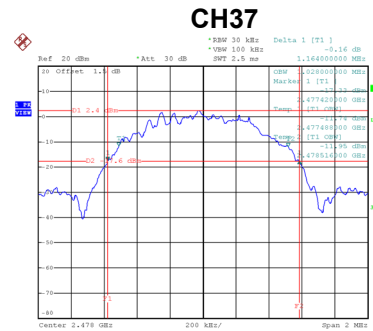
Channel	Frequency (MHz)	20 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
00	2404	1.168	1.028
18	2440	1.160	1.020
37	2478	1.164	1.028



Date: 14.APR.2020 09:46:19



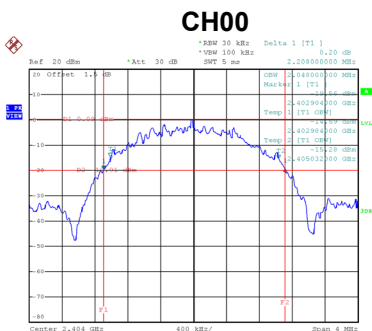
Date: 14.APR.2020 09:47:47



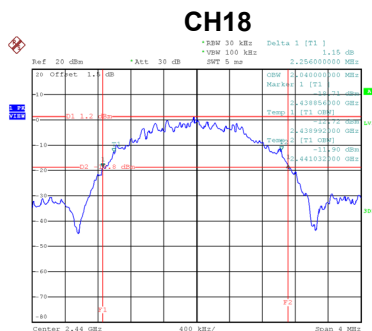
Date: 14.APR.2020 09:50:01

Test Mode: TX Mode\_UHD 2M GFSK (2Mbps)

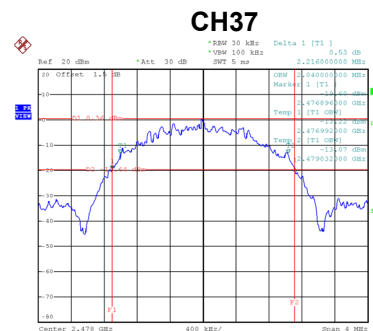
Channel	Frequency (MHz)	20 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
00	2404	2.208	2.048
18	2440	2.256	2.040
37	2478	2.216	2.040



Date: 14.APR.2020 10:01:50



Date: 14.APR.2020 09:59:53

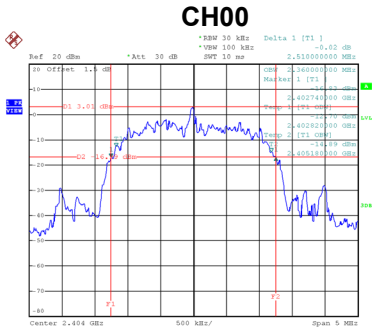


Date: 14.APR.2020 09:57:33

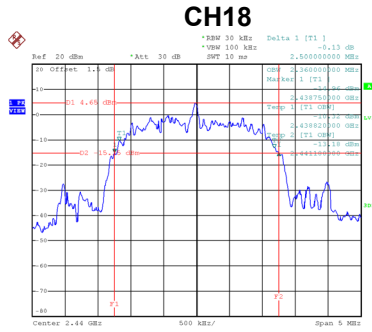


Test Mode: TX Mode\_UHD 2M  $\pi/4$ -DQPSK

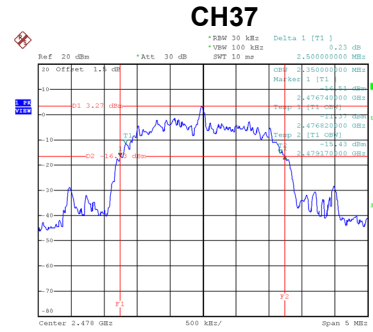
Channel	Frequency (MHz)	20 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
00	2404	2.510	2.360
18	2440	2.500	2.360
37	2478	2.500	2.350



Date: 14.APR.2020 10:12:20



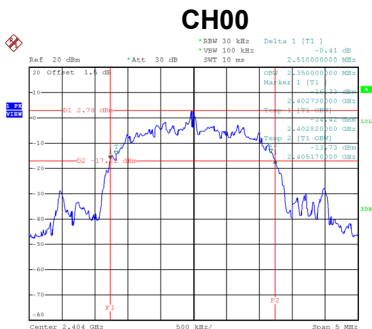
Date: 14.APR.2020 10:10:03



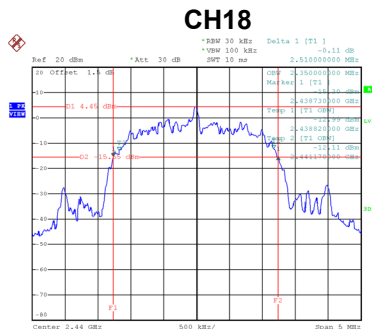
Date: 14.APR.2020 10:08:25

Test Mode: TX Mode\_UHD 2M 8DPSK

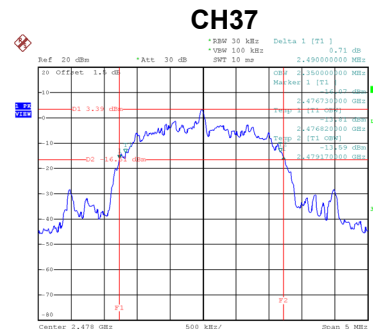
Channel	Frequency (MHz)	20 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
00	2404	2.510	2.350
18	2440	2.510	2.350
37	2478	2.490	2.350



Date: 14.APR.2020 11:01:48



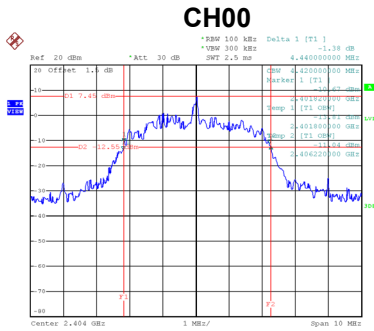
Date: 14.APR.2020 10:59:01



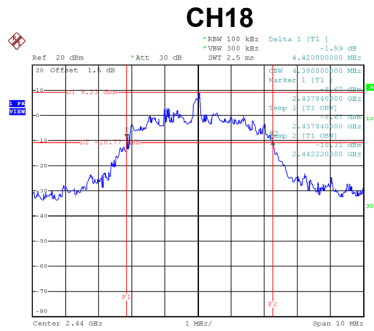
Date: 14.APR.2020 10:57:05

Test Mode: TX Mode \_UHD 4M  $\pi/4$ -DQPSK

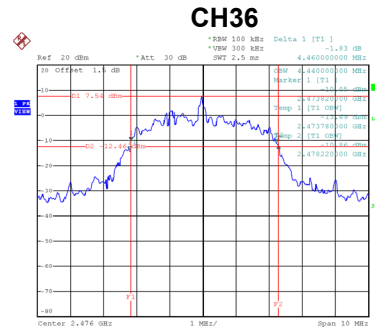
Channel	Frequency (MHz)	20 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
00	2404	4.440	4.420
18	2440	4.420	4.380
36	2476	4.460	4.440



Date: 7.MAY.2020 18:50:00



Date: 7.MAY.2020 18:52:04

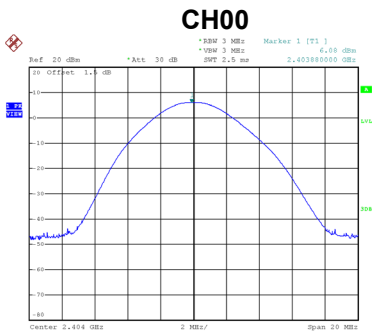


Date: 7.MAY.2020 18:55:24

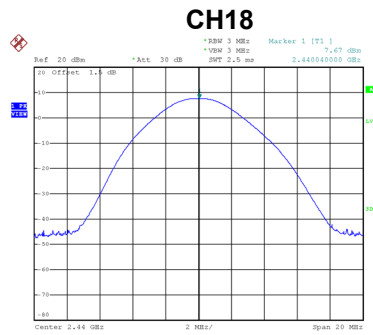
**APPENDIX I - MAXIMUM OUTPUT POWER**

Test Mode: TX Mode\_UHD 2M GFSK (1Mbps)

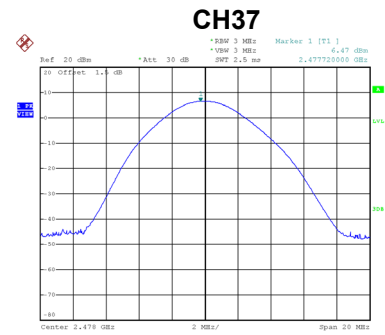
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
00	2404	6.08	0.0041	21.00	0.125	Pass
18	2440	7.67	0.0058	21.00	0.125	Pass
37	2478	6.47	0.0044	21.00	0.125	Pass



Date: 14.APR.2020 09:39:22



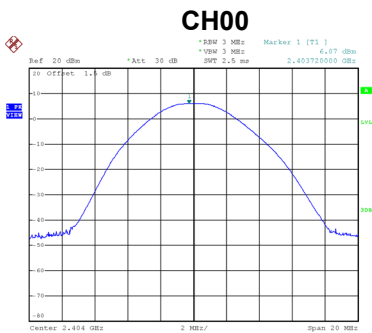
Date: 14.APR.2020 09:40:45



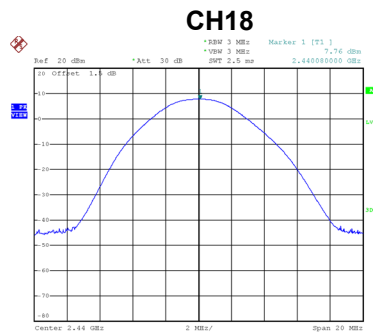
Date: 14.APR.2020 09:41:56

Test Mode: TX Mode\_UHD 2M GFSK (2Mbps)

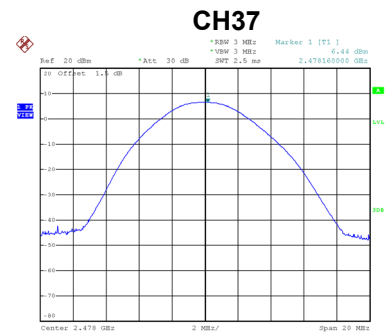
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
00	2404	6.07	0.0040	21.00	0.125	Pass
18	2440	7.76	0.0060	21.00	0.125	Pass
37	2478	6.44	0.0044	21.00	0.125	Pass



Date: 14.APR.2020 09:51:56



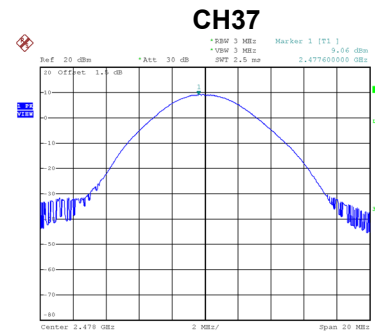
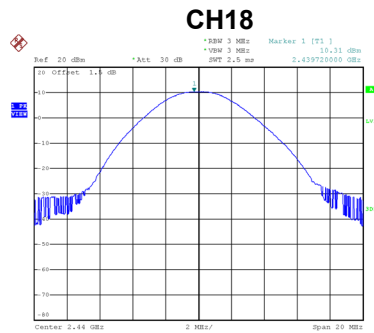
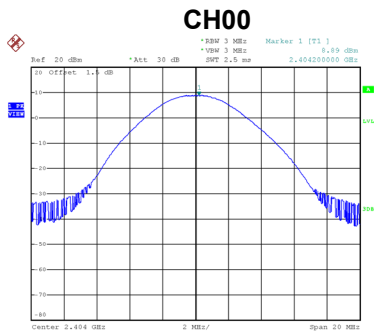
Date: 14.APR.2020 09:53:13



Date: 14.APR.2020 09:54:35

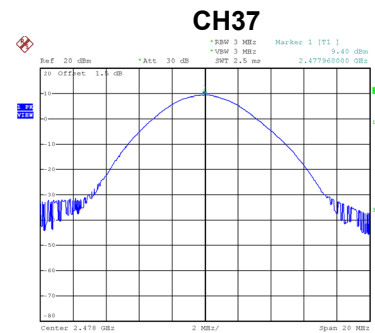
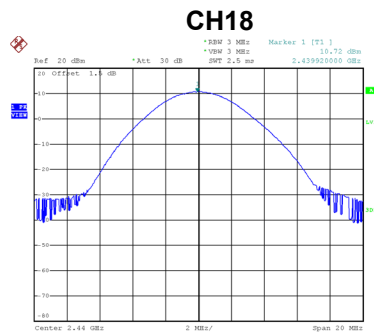
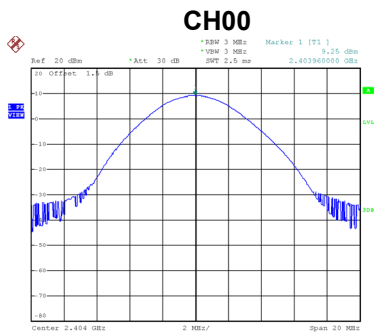
Test Mode: TX Mode\_UHD 2M  $\pi/4$ -DQPSK

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
00	2404	8.89	0.0077	21.00	0.125	Pass
18	2440	10.31	0.0107	21.00	0.125	Pass
37	2478	9.06	0.0081	21.00	0.125	Pass



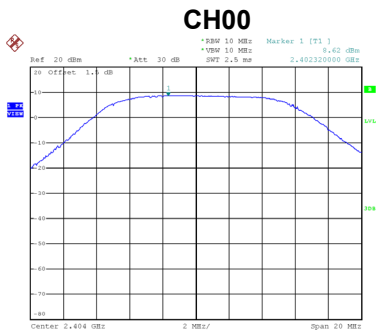
Test Mode: TX Mode\_UHD 2M 8DPSK

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
00	2404	9.25	0.0084	21.00	0.125	Pass
18	2440	10.72	0.0118	21.00	0.125	Pass
37	2478	9.40	0.0087	21.00	0.125	Pass

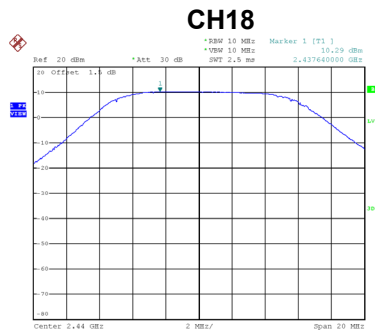


Test Mode: TX Mode\_UHD 4M  $\pi/4$ -DQPSK

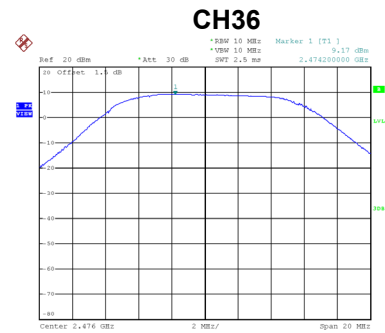
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
00	2404	8.62	0.0073	21.00	0.125	Pass
18	2440	10.29	0.0107	21.00	0.125	Pass
36	2476	9.17	0.0083	21.00	0.125	Pass



Date: 7.MAY.2020 19:25:24



Date: 7.MAY.2020 19:26:21

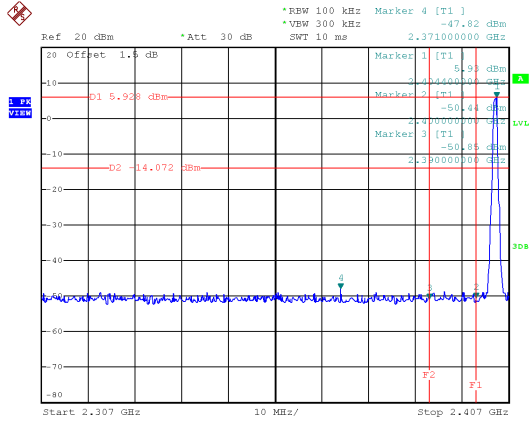


Date: 7.MAY.2020 19:27:28

## **APPENDIX J - CONDUCTED SPURIOUS EMISSION**

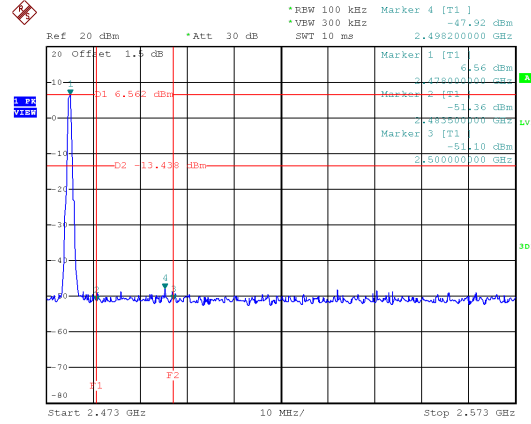
## Test Mode : TX Mode \_ UHD 2M GFSK (1Mbps)

### Bandedge-CH00 (Lower)



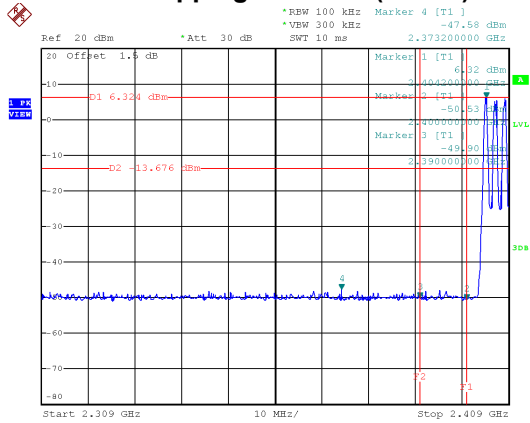
Date: 7.MAY.2020 19:38:02

### Bandedge-CH37 (Upper)



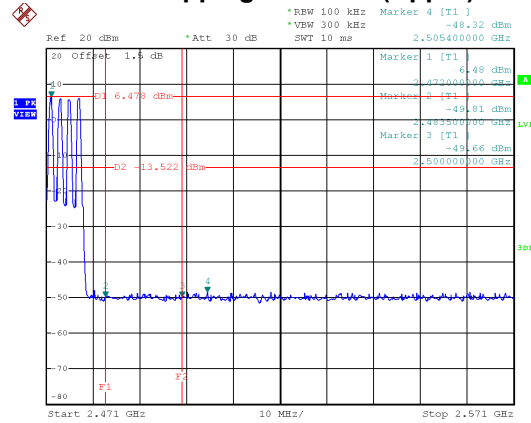
Date: 7.MAY.2020 19:41:22

### Hopping on mode (Lower)



Date: 7.MAY.2020 19:50:09

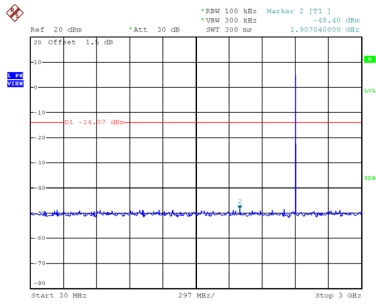
### Hopping on mode (Upper)



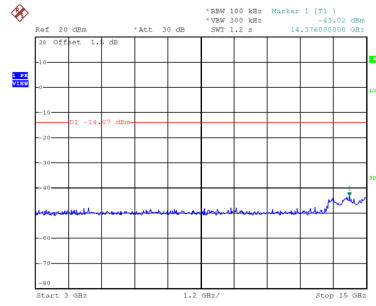
Date: 7.MAY.2020 19:51:14



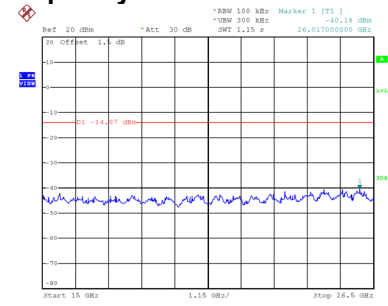
## CH00 – 10th Harmonic of the fundamental frequency



Date: 7.MAY.2020 19:38:30

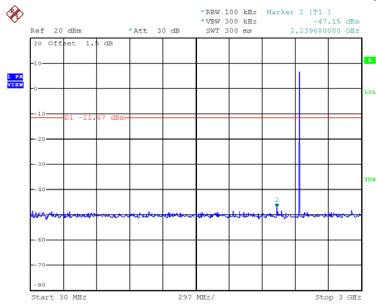


Date: 7.MAY.2020 19:38:48

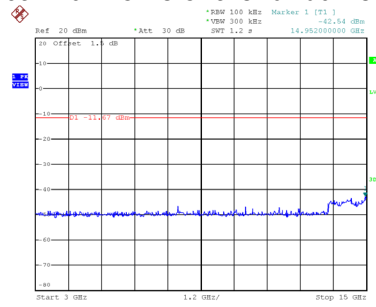


Date: 7.MAY.2020 19:39:06

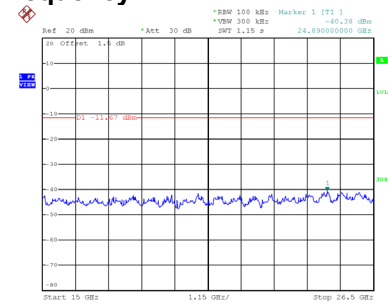
## CH18 – 10th Harmonic of the fundamental frequency



Date: 7.MAY.2020 19:40:05

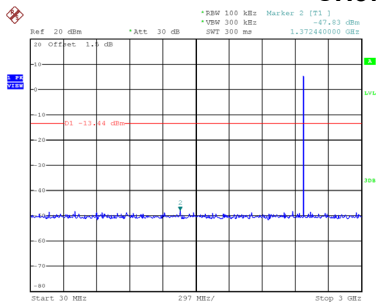


Date: 7.MAY.2020 19:40:23

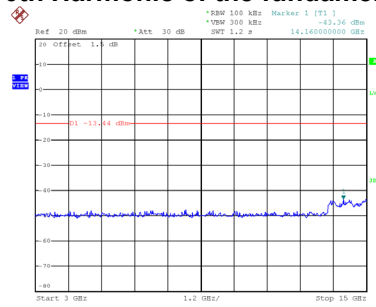


Date: 7.MAY.2020 19:40:41

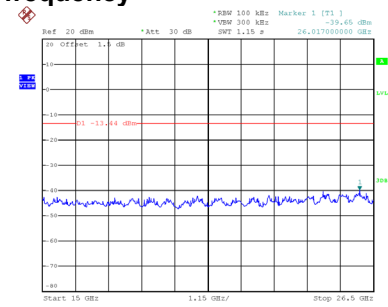
## CH37 – 10th Harmonic of the fundamental frequency



Date: 7.MAY.2020 19:41:46



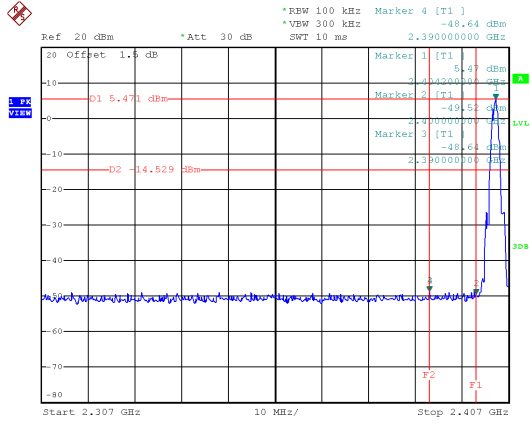
Date: 7.MAY.2020 19:42:05



Date: 7.MAY.2020 19:42:23

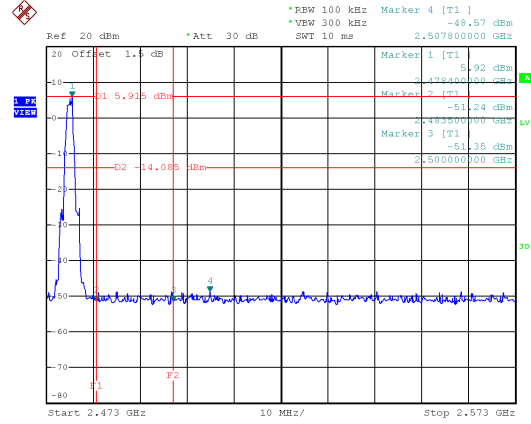
## Test Mode : TX Mode \_ UHD 2M GFSK (2Mbps)

### Bandedge-CH00 (Lower)



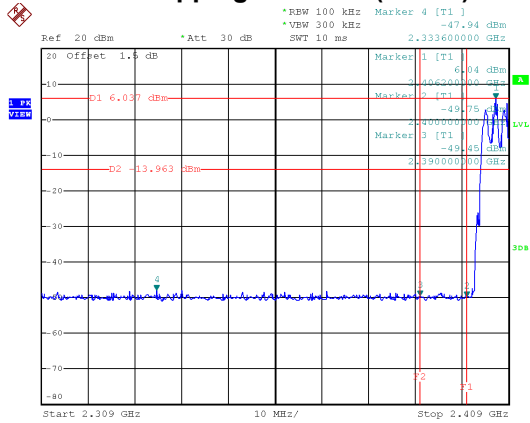
Date: 7.MAY.2020 19:53:28

### Bandedge-CH37 (Upper)



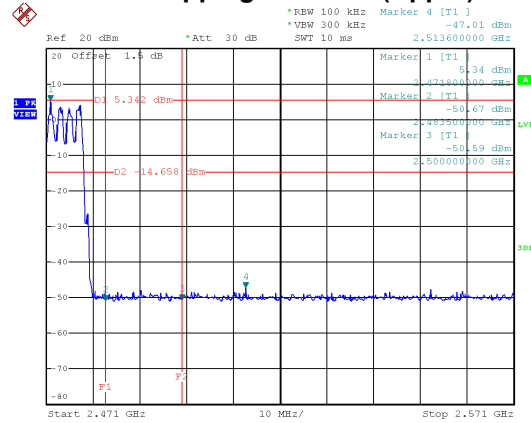
Date: 7.MAY.2020 19:57:04

### Hopping on mode (Lower)



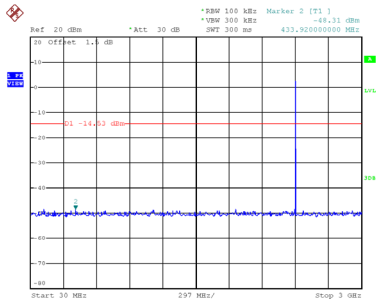
Date: 7.MAY.2020 19:59:47

### Hopping on mode (Upper)

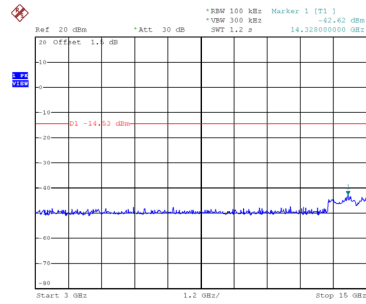


Date: 7.MAY.2020 20:00:52

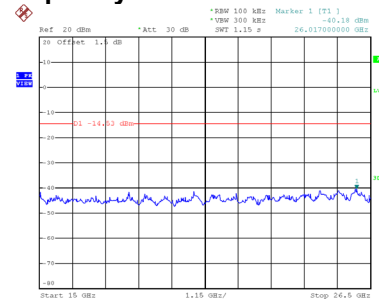
## CH00 – 10th Harmonic of the fundamental frequency



Date: 7.MAY.2020 19:53:52

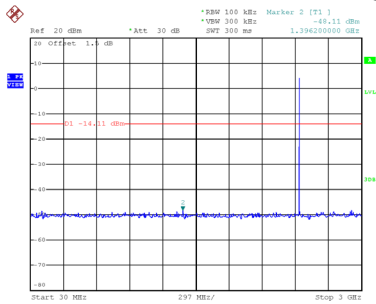


Date: 7.MAY.2020 19:54:10

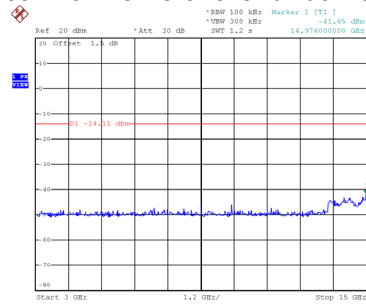


Date: 7.MAY.2020 19:54:28

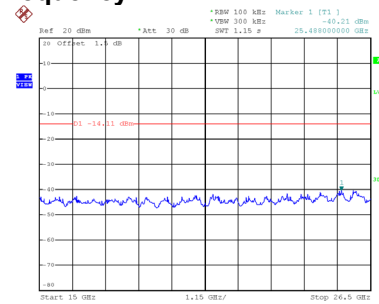
## CH18 – 10th Harmonic of the fundamental frequency



Date: 7.MAY.2020 19:55:53

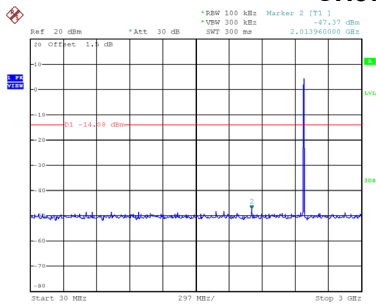


Date: 7.MAY.2020 19:56:10

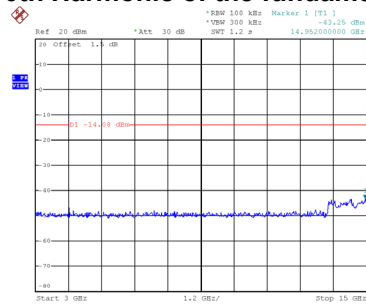


Date: 7.MAY.2020 19:56:29

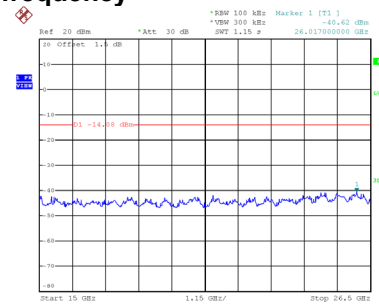
## CH37 – 10th Harmonic of the fundamental frequency



Date: 7.MAY.2020 19:57:27



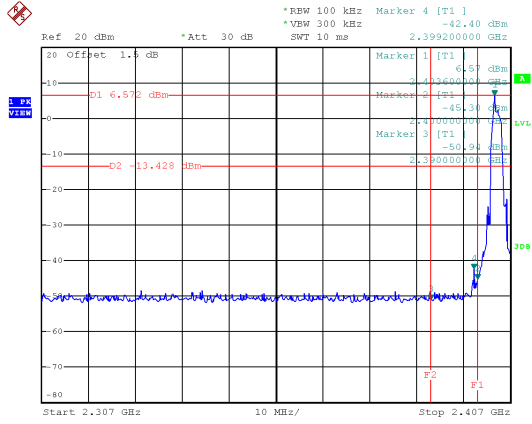
Date: 7.MAY.2020 19:57:46



Date: 7.MAY.2020 19:58:04

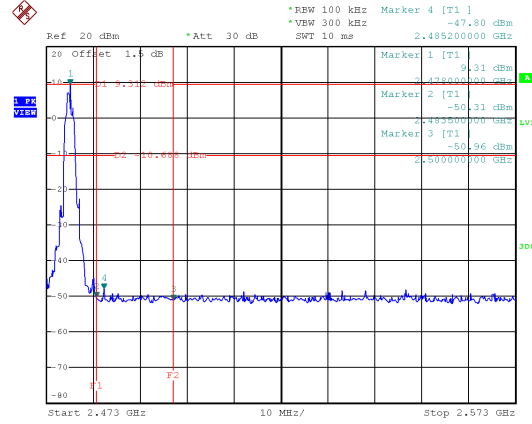
## Test Mode : TX Mode \_ UHD 2M $\pi/4$ -DQPSK

### Bandedge-CH00 (Lower)



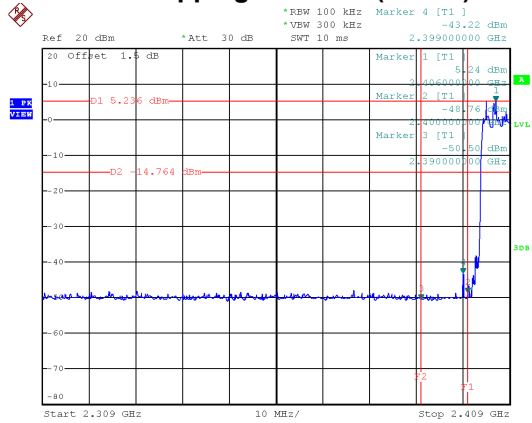
Date: 7.MAY.2020 20:02:47

### Bandedge-CH37 (Upper)



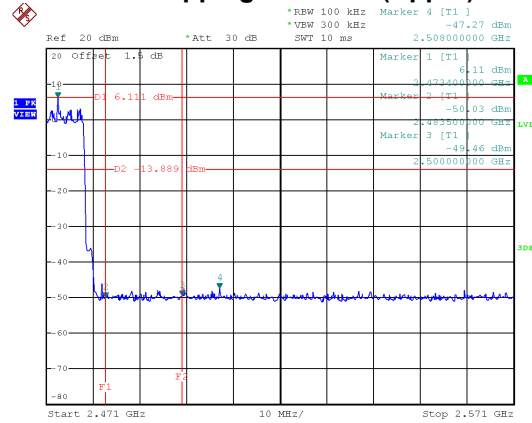
Date: 7.MAY.2020 20:06:19

### Hopping on mode (Lower)



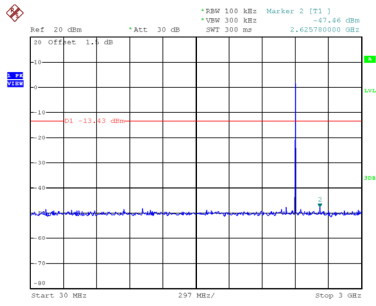
Date: 7.MAY.2020 20:09:12

### Hopping on mode (Upper)

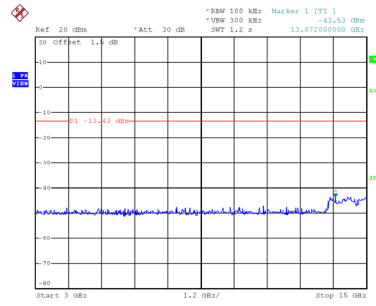


Date: 7.MAY.2020 20:10:17

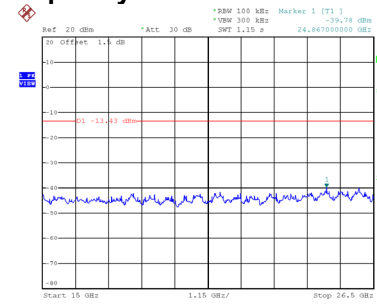
## CH00 – 10th Harmonic of the fundamental frequency



Date: 7.MAY.2020 20:03:19

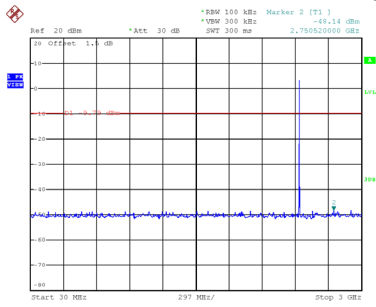


Date: 7.MAY.2020 20:03:37

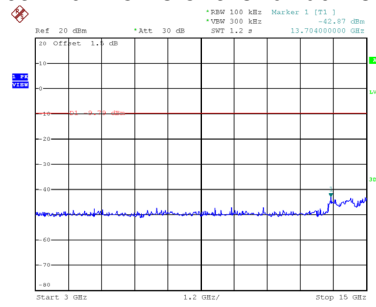


Date: 7.MAY.2020 20:03:56

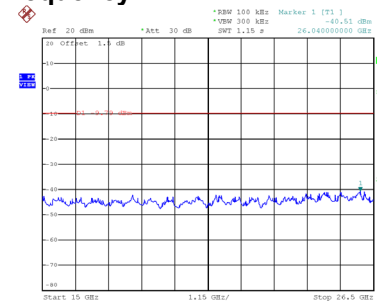
## CH18 – 10th Harmonic of the fundamental frequency



Date: 7.MAY.2020 20:05:07

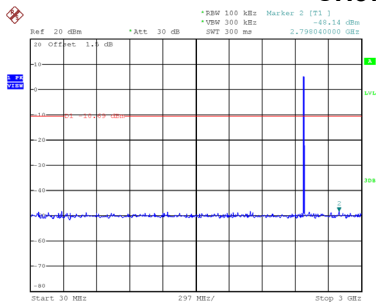


Date: 7.MAY.2020 20:05:25

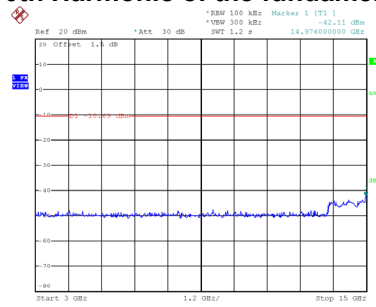


Date: 7.MAY.2020 20:05:43

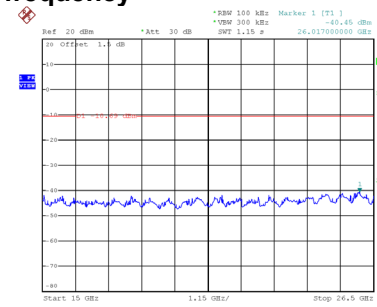
## CH37 – 10th Harmonic of the fundamental frequency



Date: 7.MAY.2020 20:06:57



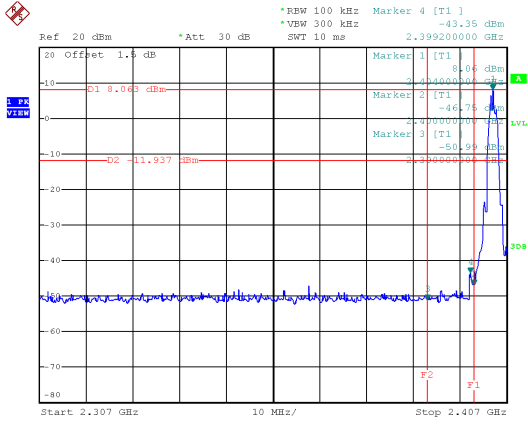
Date: 7.MAY.2020 20:07:15



Date: 7.MAY.2020 20:07:33

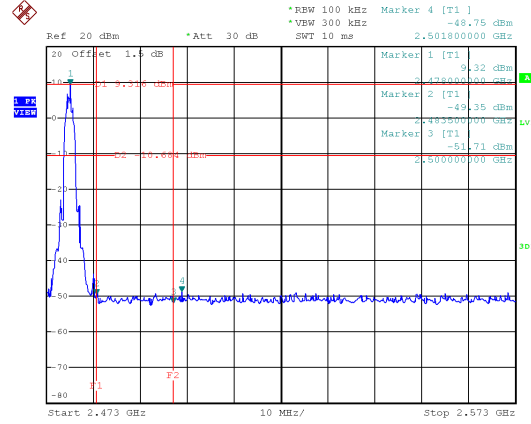
## Test Mode : TX Mode \_ UHD 2M 8DPSK

### Bandedge-CH00 (Lower)



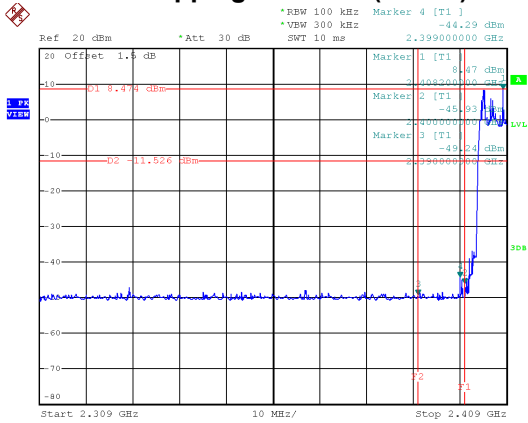
Date: 7.MAY.2020 20:12:05

### Bandedge-CH37 (Upper)



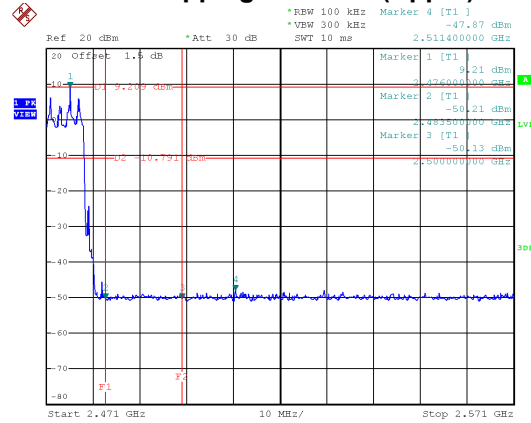
Date: 7.MAY.2020 20:15:30

### Hopping on mode (Lower)



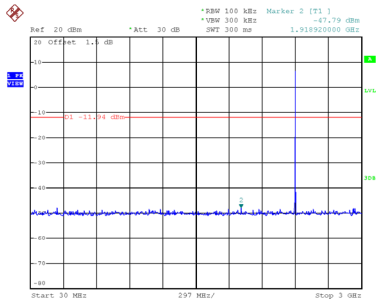
Date: 7.MAY.2020 20:18:18

### Hopping on mode (Upper)

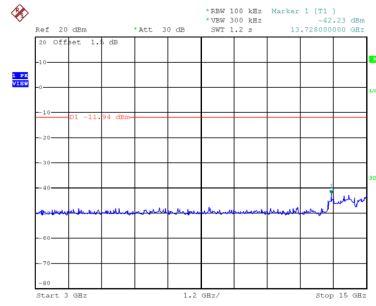


Date: 7.MAY.2020 20:19:23

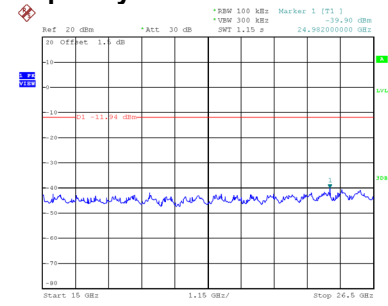
### CH00 – 10th Harmonic of the fundamental frequency



Date: 7.MAY.2020 20:12:39

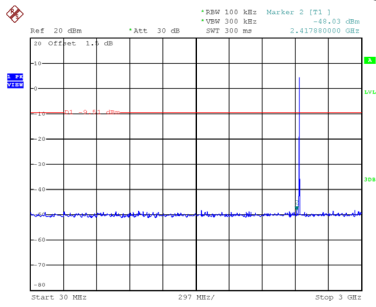


Date: 7.MAY.2020 20:12:56

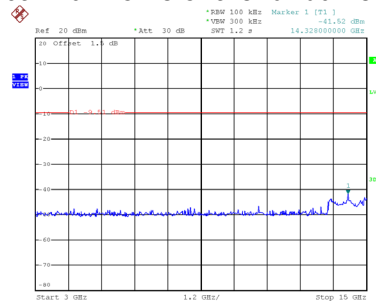


Date: 7.MAY.2020 20:13:14

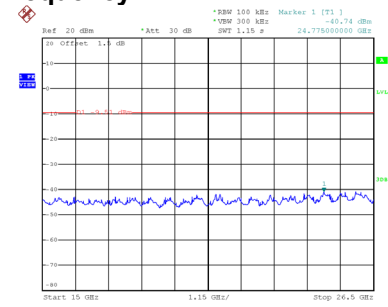
### CH18 – 10th Harmonic of the fundamental frequency



Date: 7.MAY.2020 20:14:20

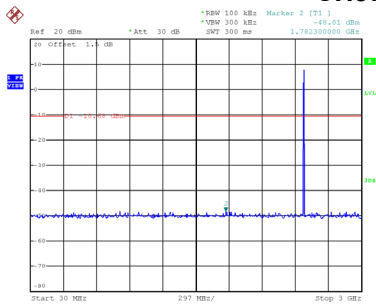


Date: 7.MAY.2020 20:14:38

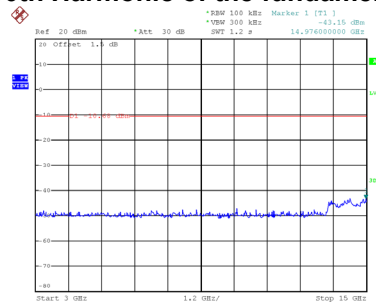


Date: 7.MAY.2020 20:14:56

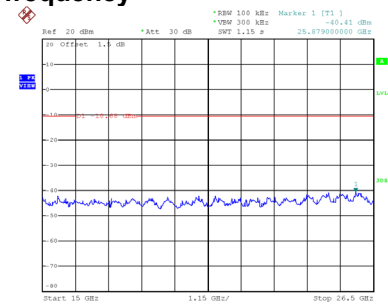
### CH37 – 10th Harmonic of the fundamental frequency



Date: 7.MAY.2020 20:16:11



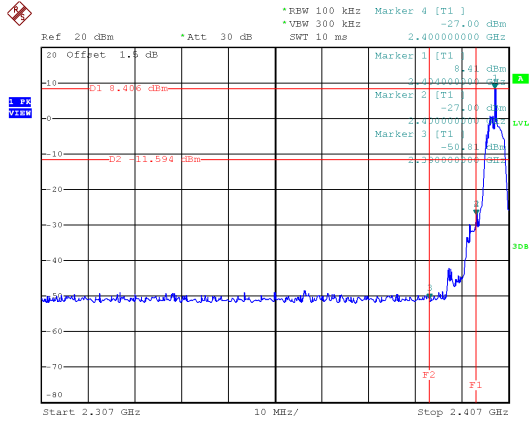
Date: 7.MAY.2020 20:16:29



Date: 7.MAY.2020 20:16:47

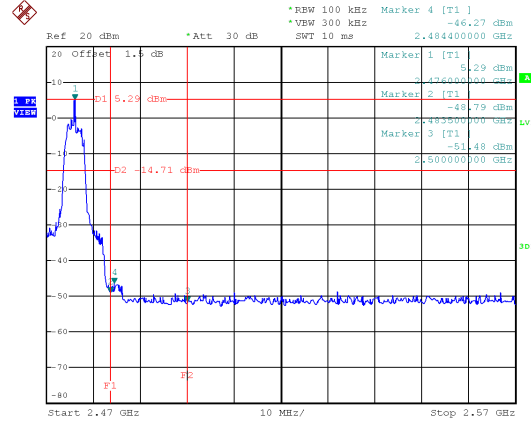
## Test Mode : TX Mode \_ UHD 4M $\pi/4$ -DQPSK

### Bandedge-CH00 (Lower)



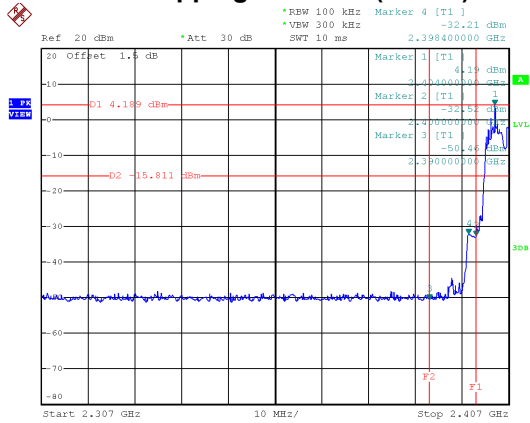
Date: 7.MAY.2020 18:58:37

### Bandedge-CH36 (Upper)



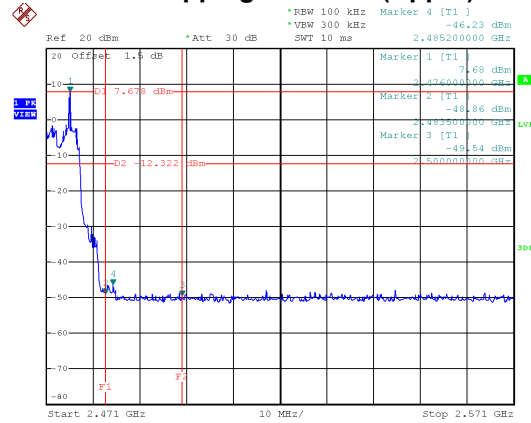
Date: 7.MAY.2020 19:14:44

### Hopping on mode (Lower)



Date: 7.MAY.2020 19:32:05

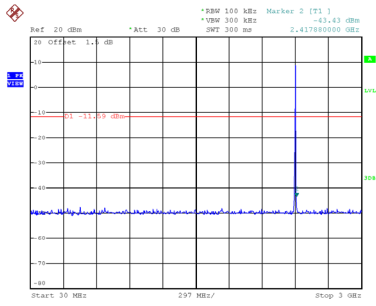
### Hopping on mode (Upper)



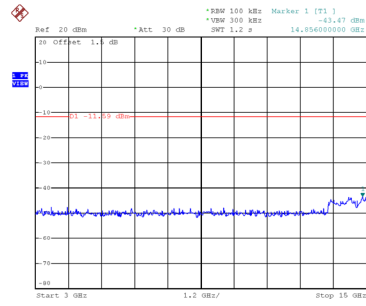
Date: 7.MAY.2020 19:32:49



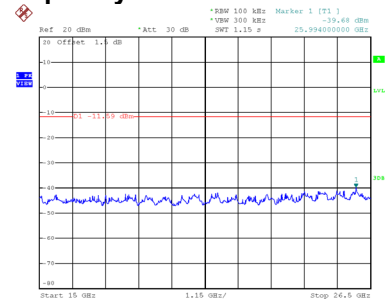
## CH00 – 10th Harmonic of the fundamental frequency



Date: 7.MAY.2020 18:59:48

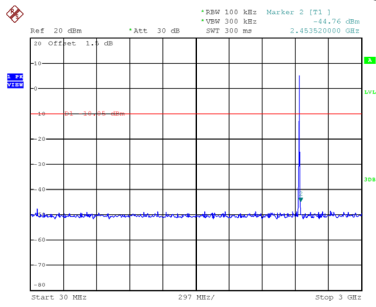


Date: 7.MAY.2020 19:00:06

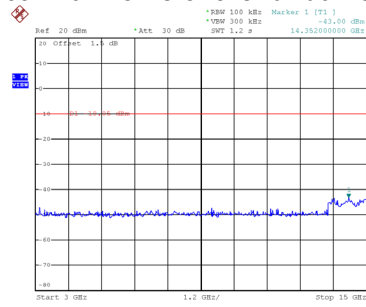


Date: 7.MAY.2020 19:00:24

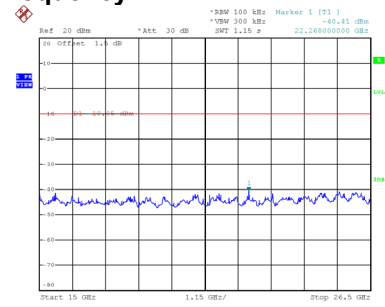
## CH18 – 10th Harmonic of the fundamental frequency



Date: 7.MAY.2020 19:01:43

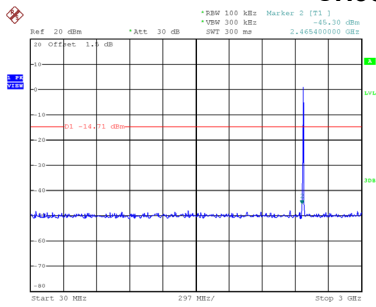


Date: 7.MAY.2020 19:02:01

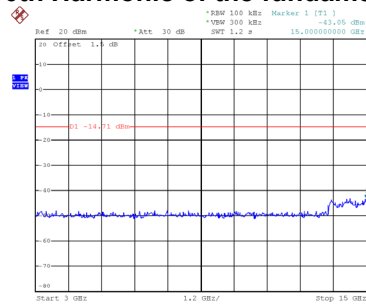


Date: 7.MAY.2020 19:02:19

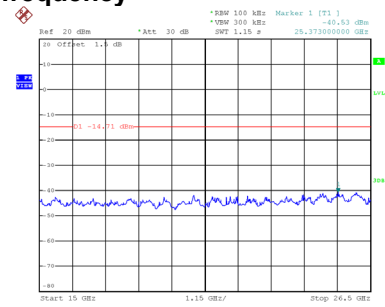
## CH36 – 10th Harmonic of the fundamental frequency



Date: 7.MAY.2020 19:15:25



Date: 7.MAY.2020 19:15:43



Date: 7.MAY.2020 19:16:01