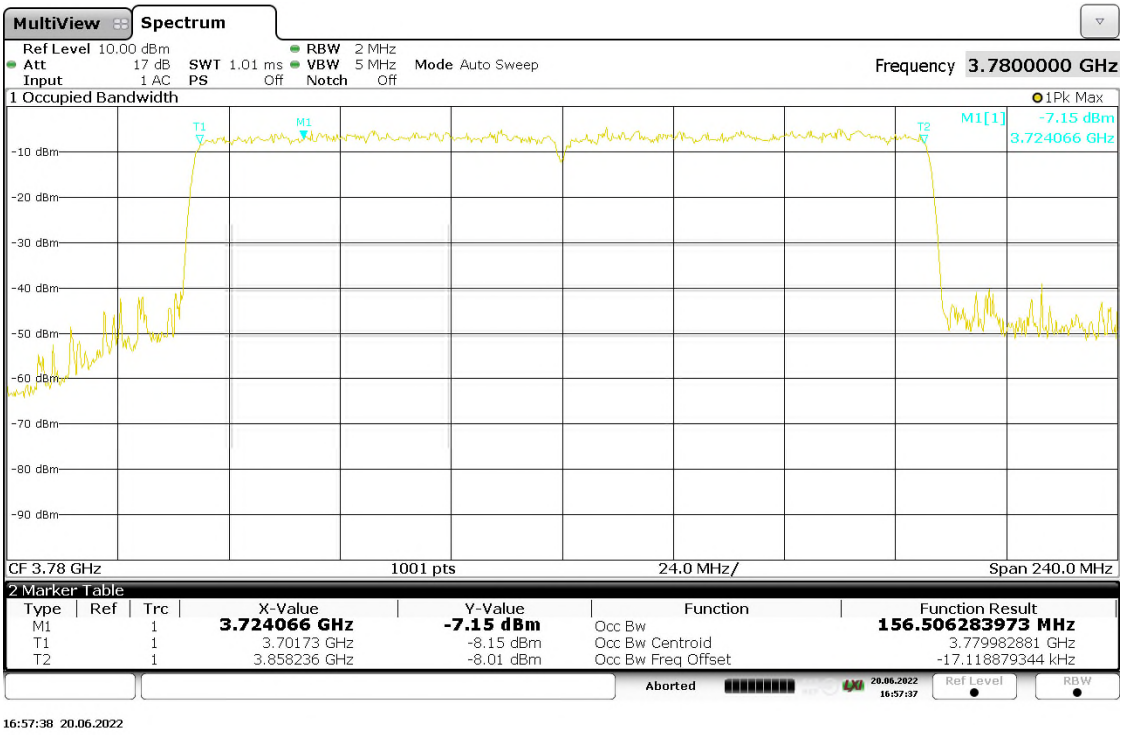
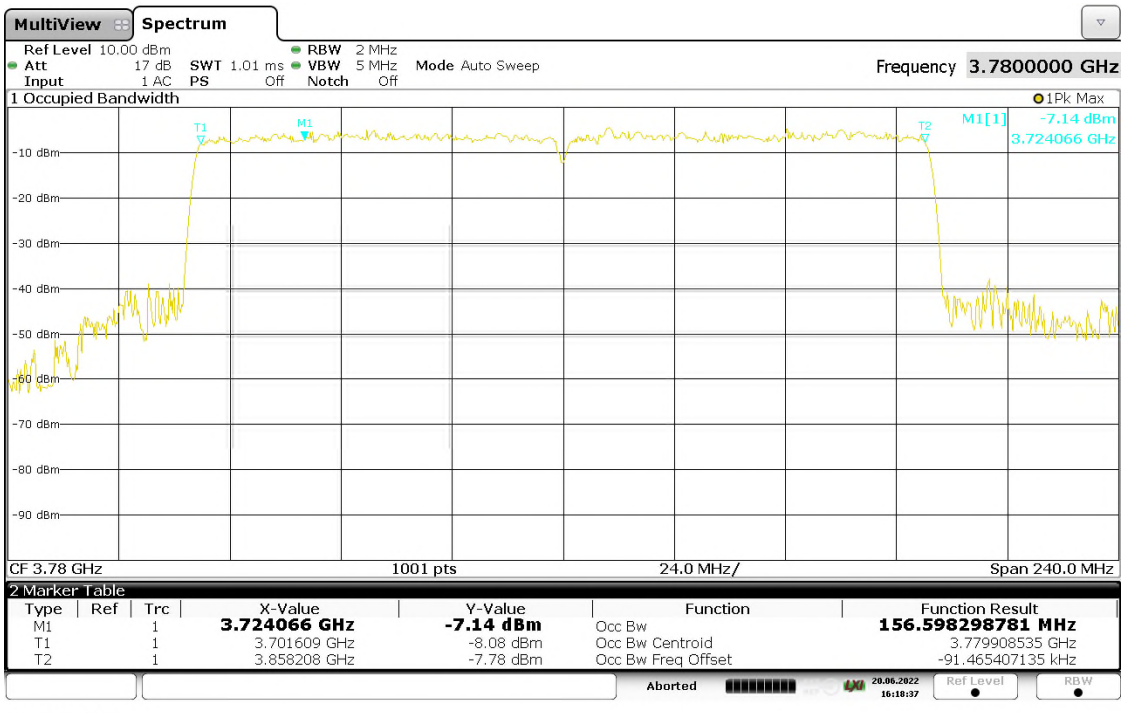
Figure 200: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), 256QAM_TM3.1a, Low Channel, TX Port 12



16:57:38 20.06.2022

Figure 201: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), 256QAM_TM3.1a, Low Channel, TX Port 28

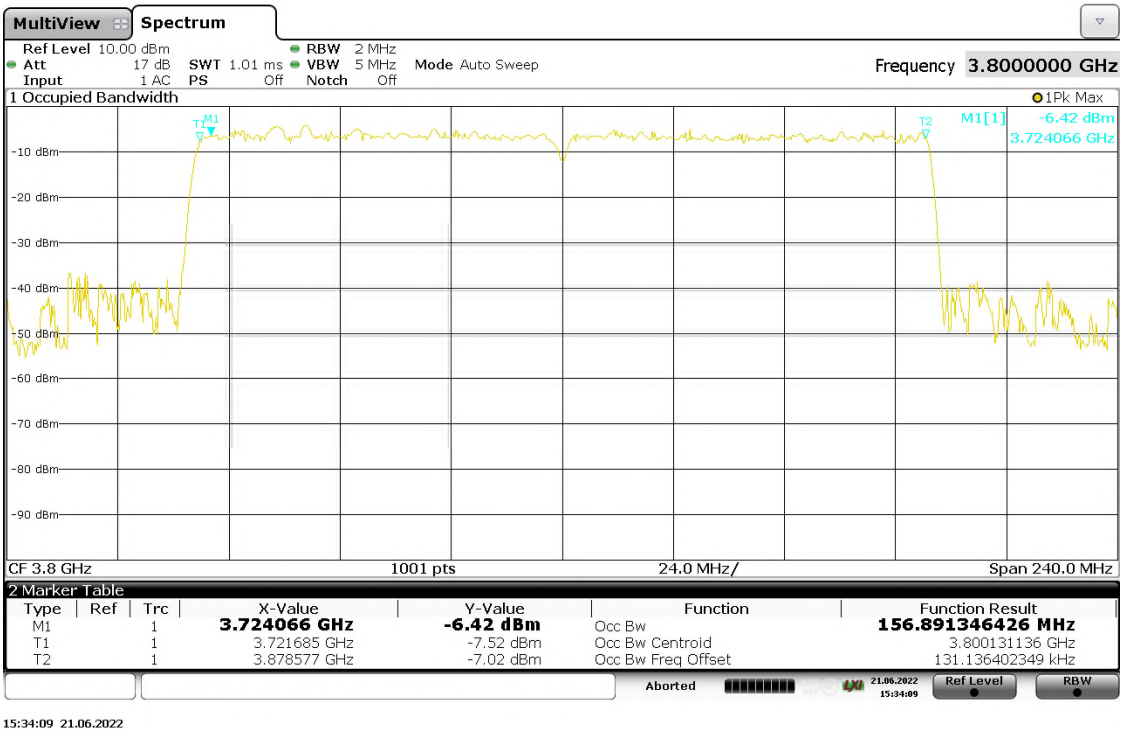


16:18:38 20.06.2022

Table 95: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), Middle Channel

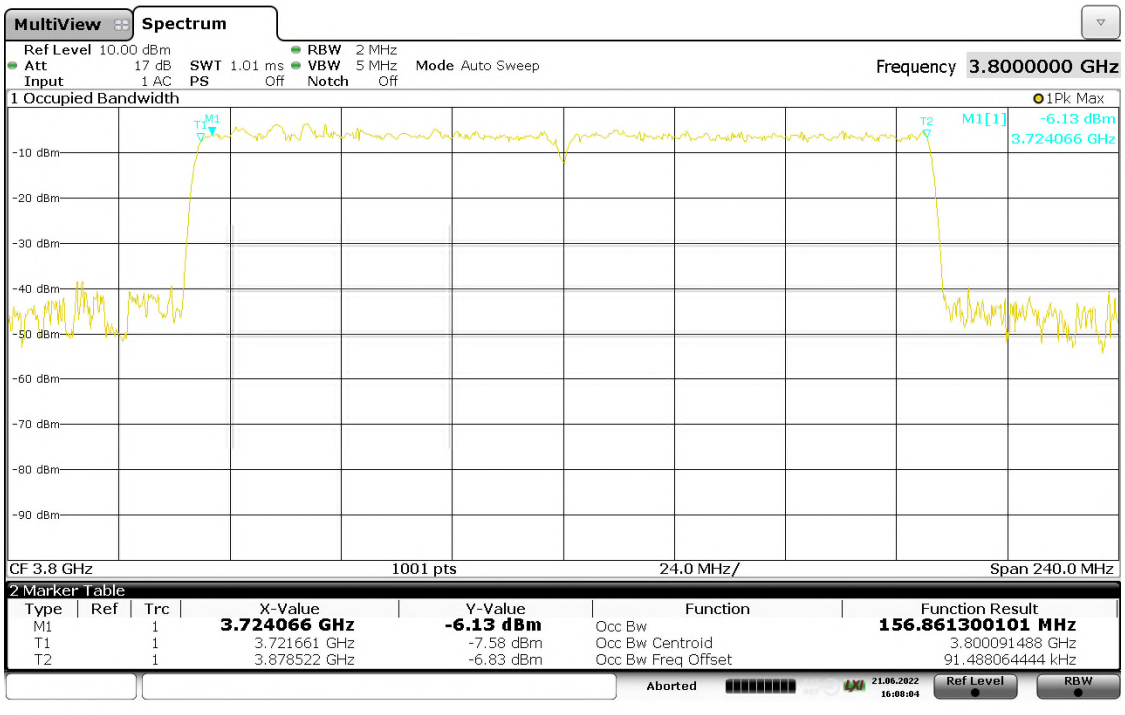
TX Port	99% Occupied Bandwidth [MHz]			
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a
23	156.891	157.161	156.641	156.747
31	156.861	157.042	156.523	156.639

Figure 202: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), QPSK_TM1.1, Middle Channel, TX Port 23



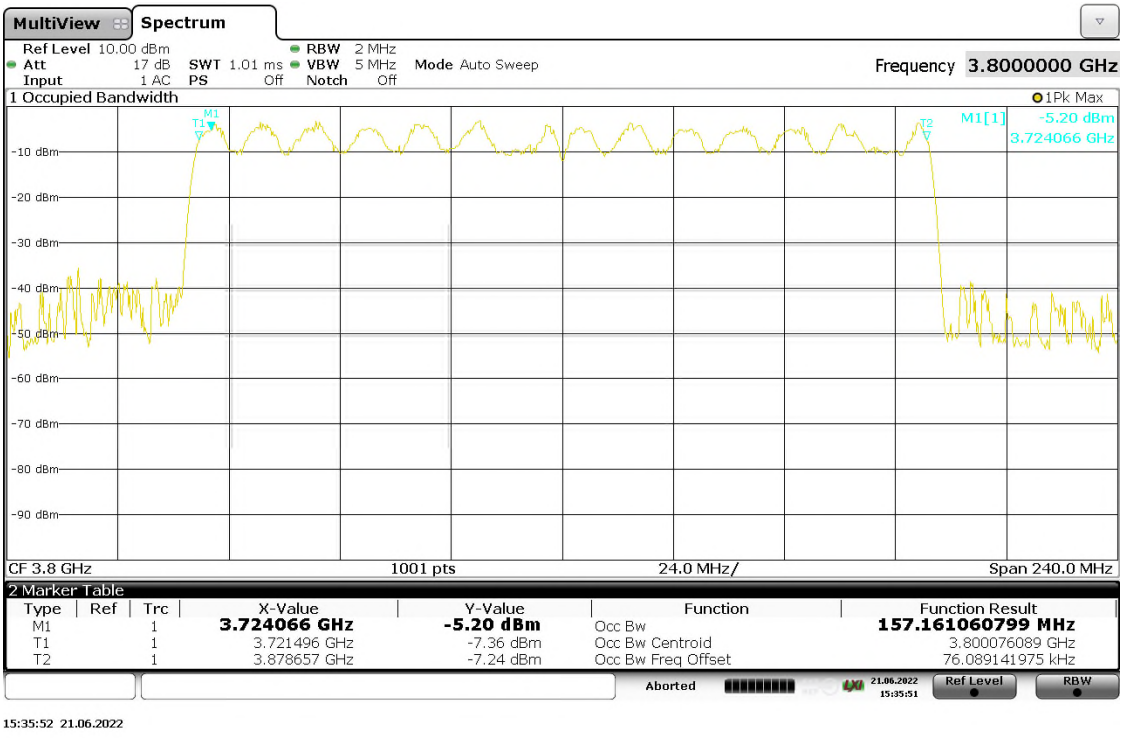
15:34:09 21.06.2022

Figure 203: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), QPSK_TM1.1, Middle Channel, TX Port 31



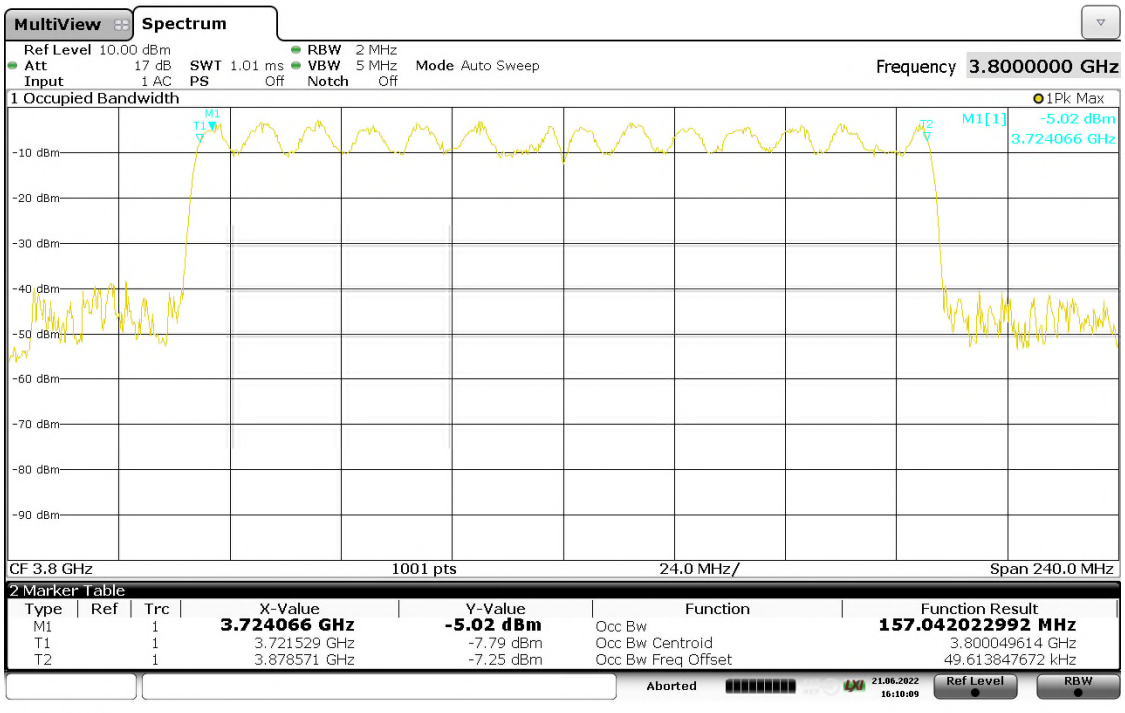
16:08:05 21.06.2022

Figure 204: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), 16QAM_TM3.2, Middle Channel, TX Port 23



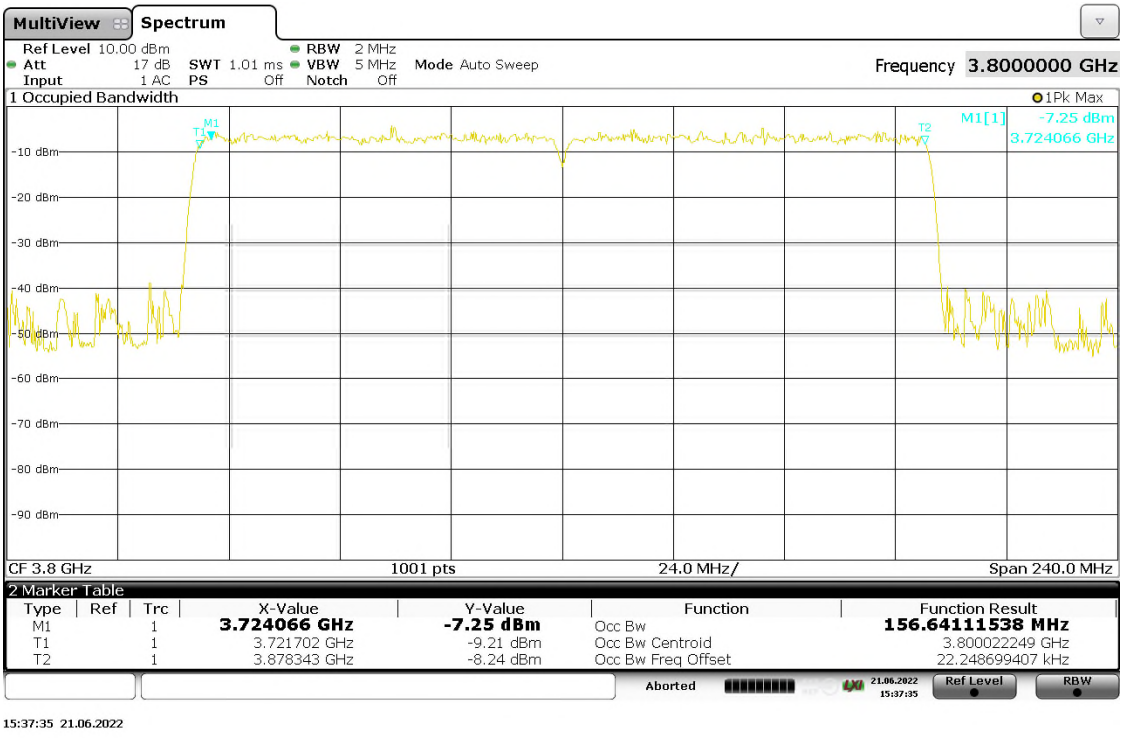
15:35:52 21.06.2022

Figure 205: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), 16QAM_TM3.2, Middle Channel, TX Port 31



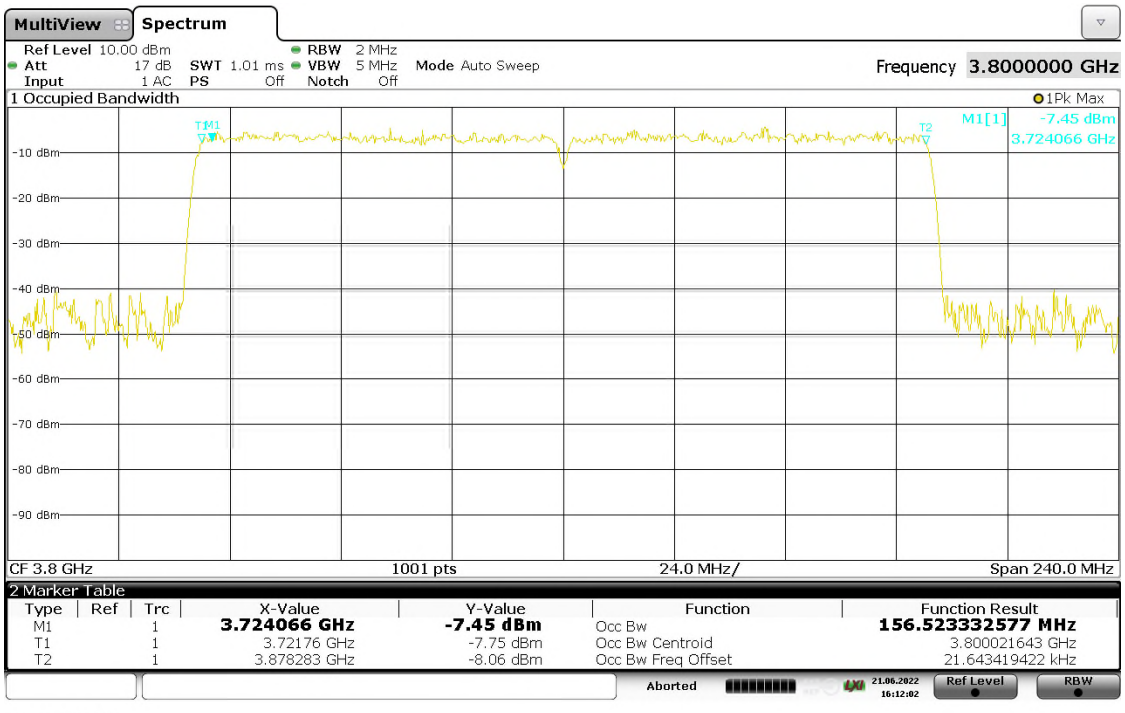
16:10:10 21.06.2022

Figure 206: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), 64QAM_TM3.1, Middle Channel, TX Port 23



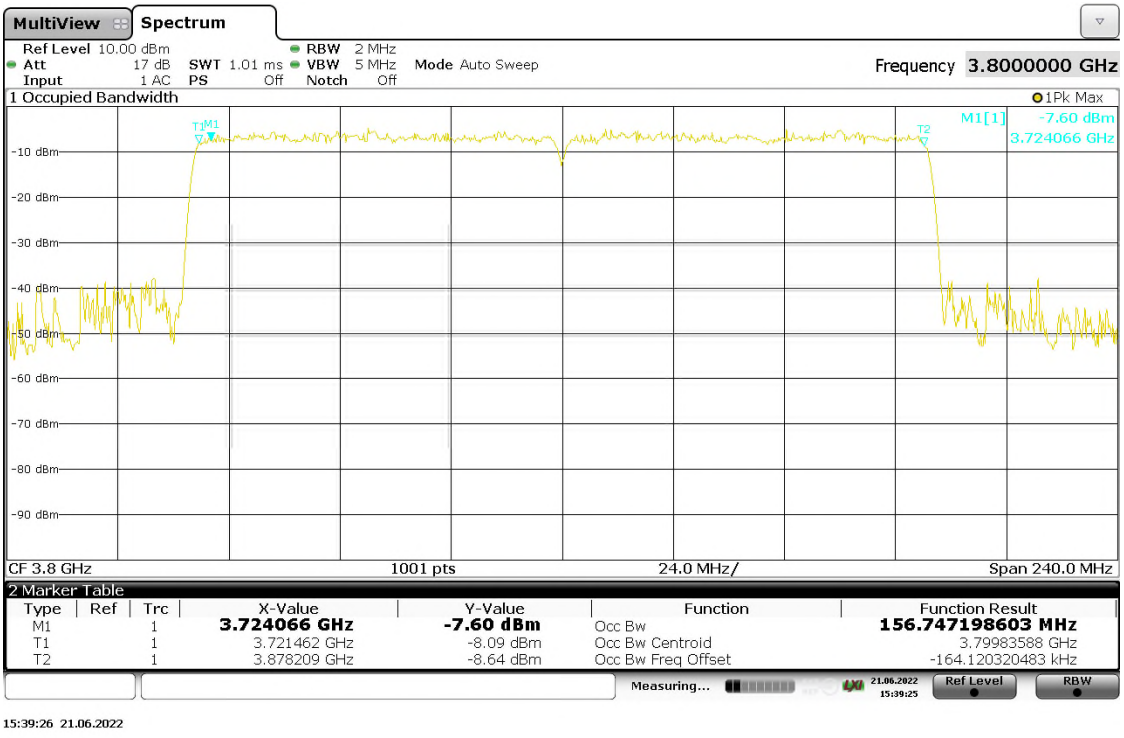
15:37:35 21.06.2022

Figure 207: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), 64QAM_TM3.1, Middle Channel, TX Port 31



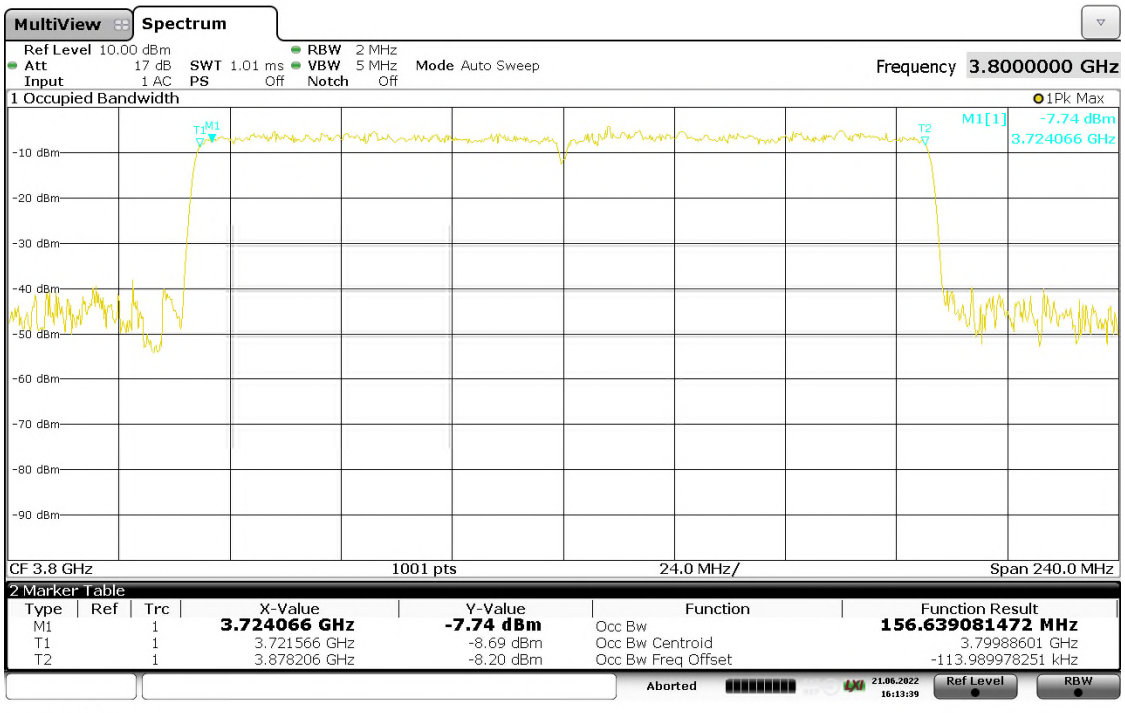
16:12:02 21.06.2022

Figure 208: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), 256QAM_TM3.1a, Middle Channel, TX Port 23



15:39:26 21.06.2022

Figure 209: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), 256QAM_TM3.1a, Middle Channel, TX Port 31



16:13:39 21.06.2022

Table 96: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), High Channel

TX Port	99% Occupied Bandwidth [MHz]			
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a
17	156.923	157.101	156.655	156.758
25	156.754	157.178	156.591	156.803

Figure 210: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), QPSK_TM1.1, High Channel, TX Port 17

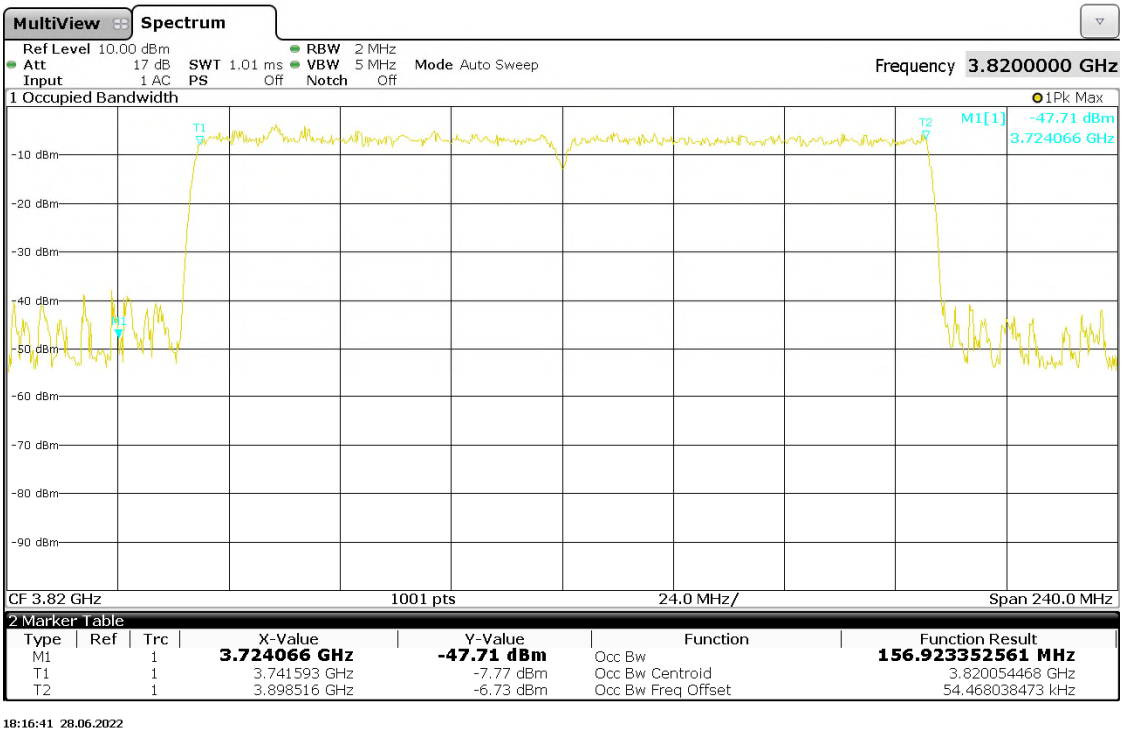


Figure 211: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), QPSK_TM1.1, High Channel, TX Port 25

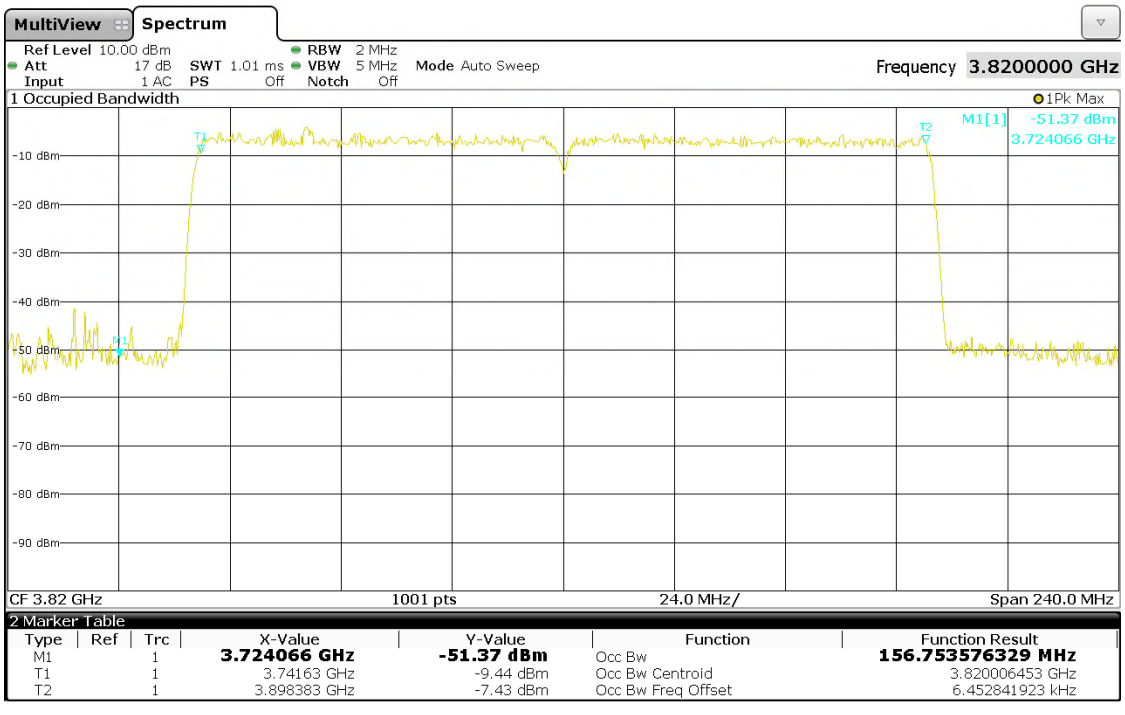
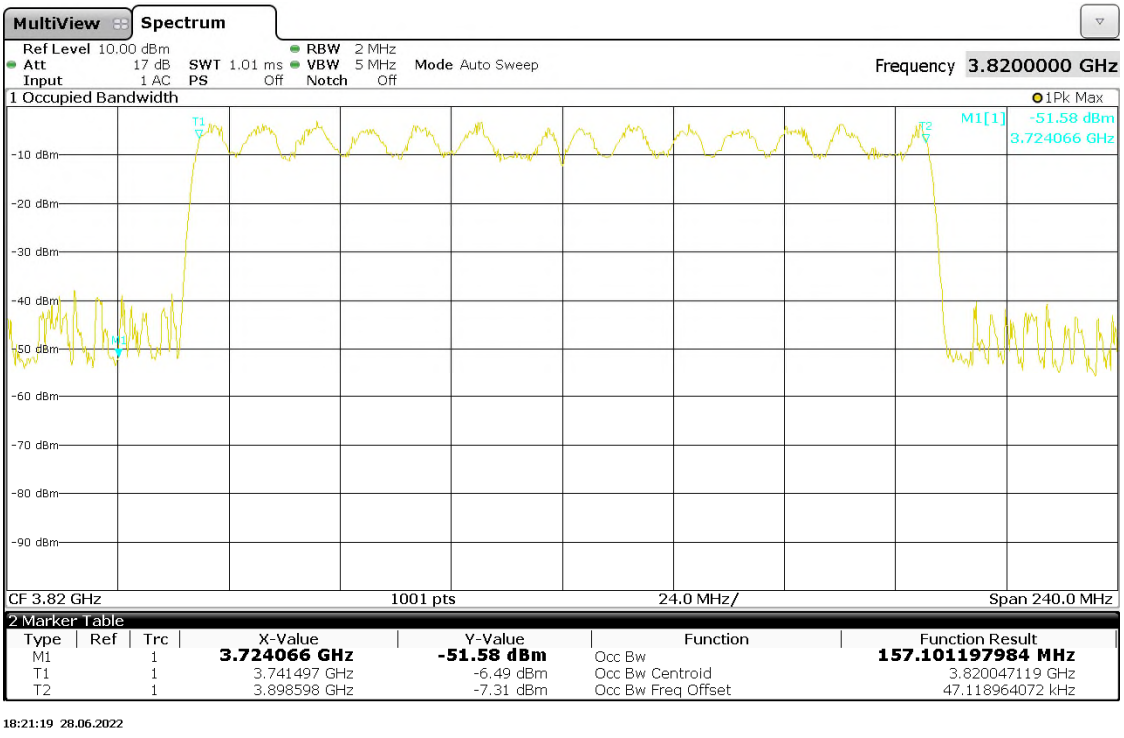
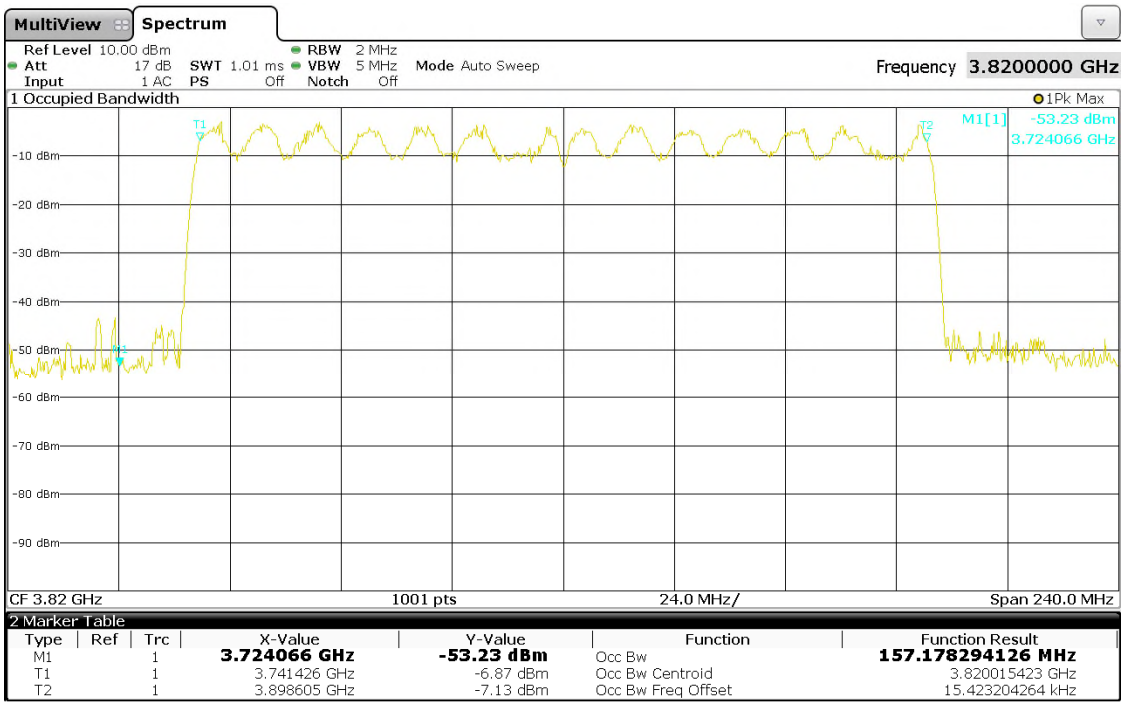


Figure 212: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), 16QAM_TM3.2, High Channel, TX Port 17



18:21:19 28.06.2022

Figure 213: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), 16QAM_TM3.2, High Channel, TX Port 25



18:54:21 28.06.2022

Figure 214: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), 64QAM_TM3.1, High Channel, TX Port 17

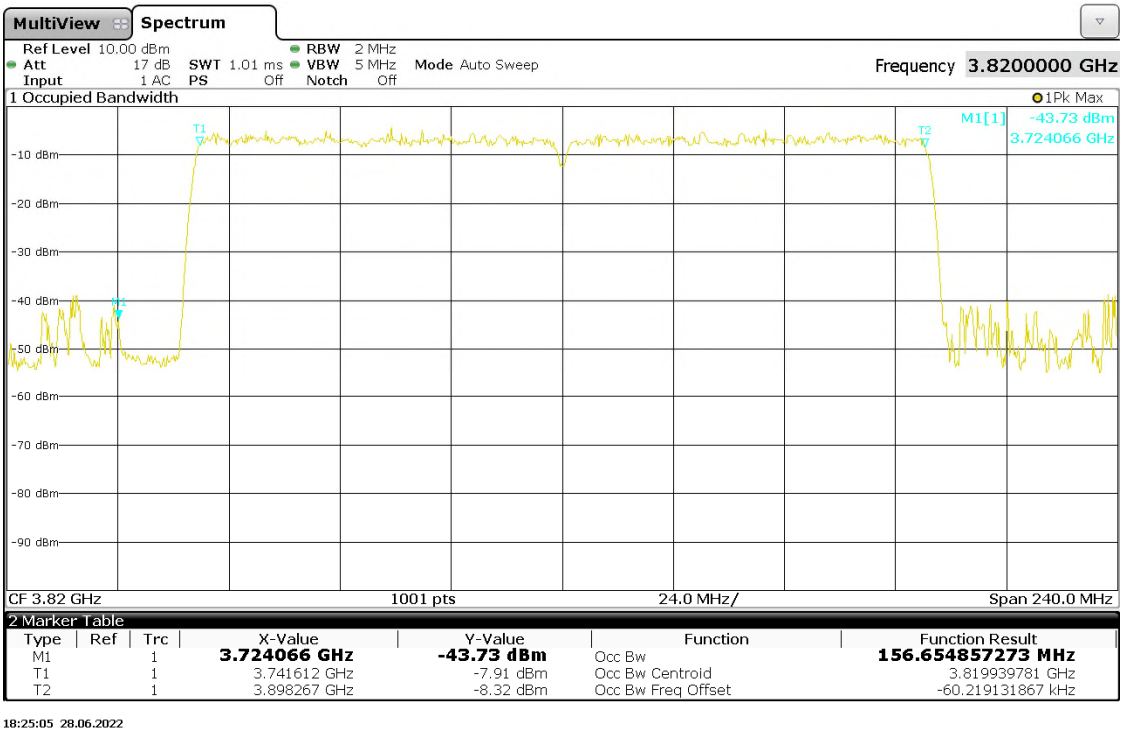


Figure 215: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), 64QAM_TM3.1, High Channel, TX Port 25

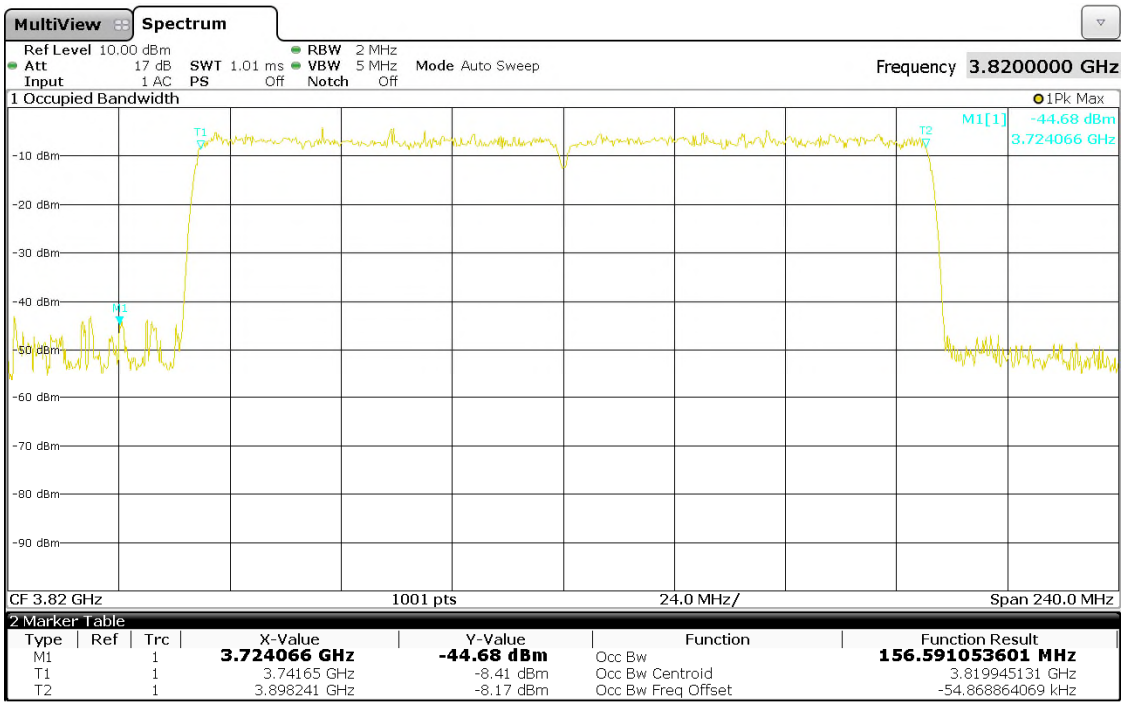
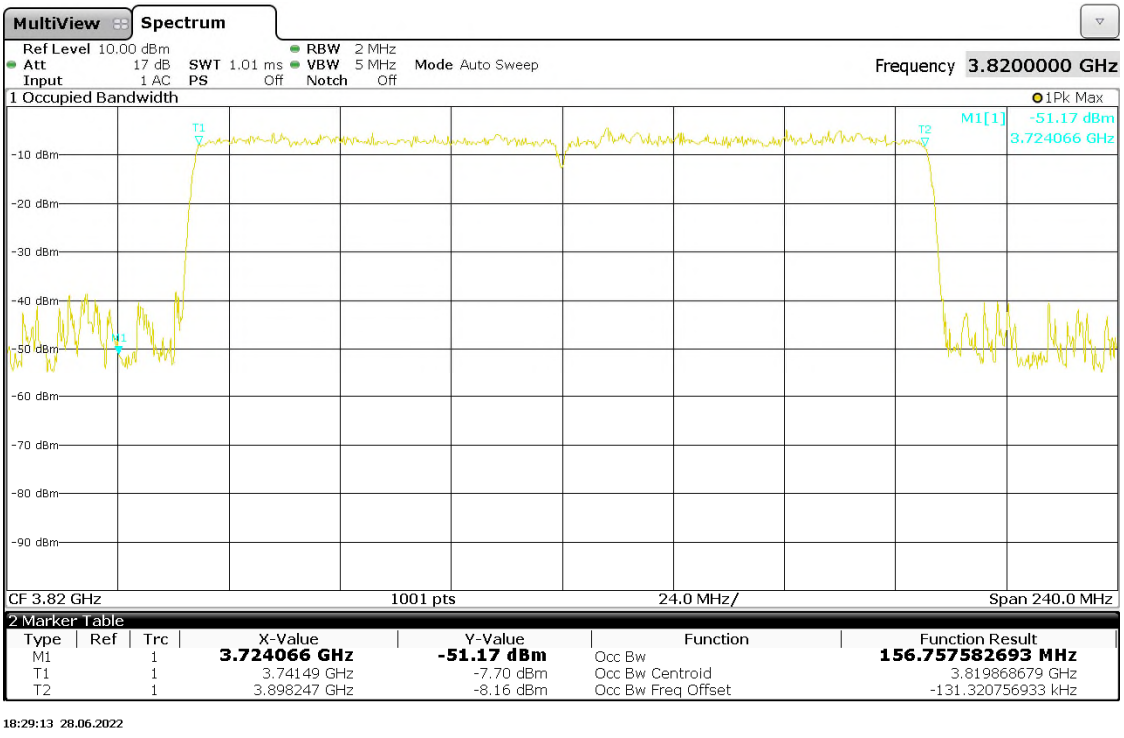
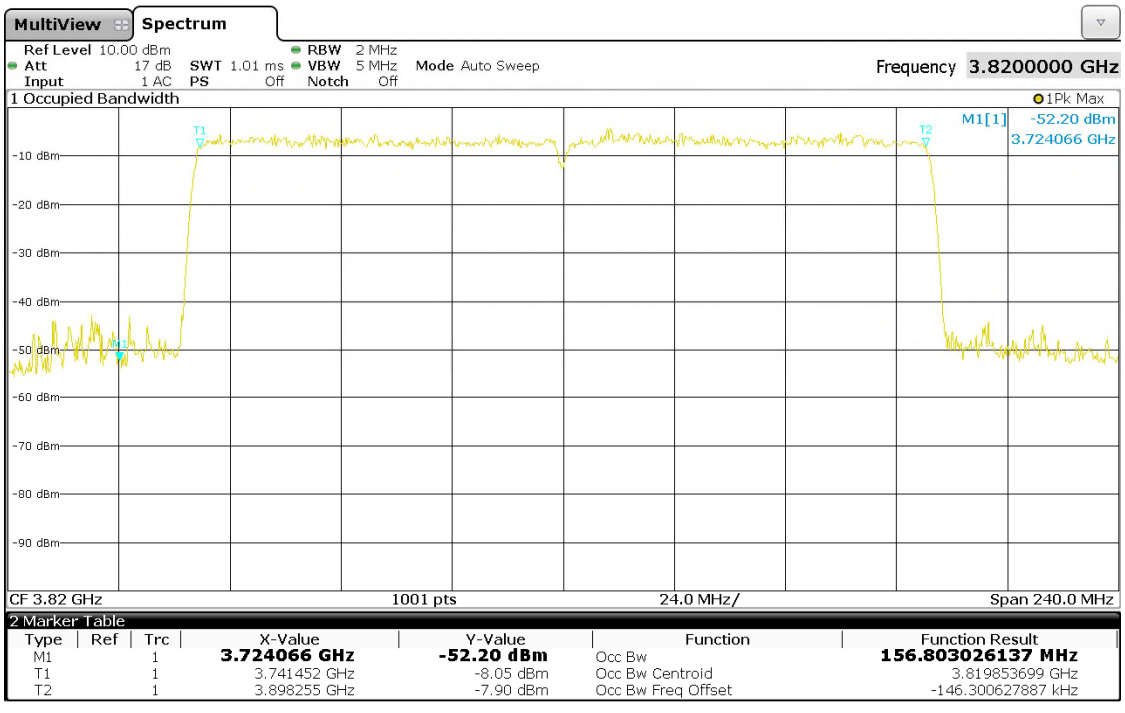


Figure 216: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), 256QAM_TM3.1a, High Channel, TX Port 17



18:29:13 28.06.2022

Figure 217: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), 256QAM_TM3.1a, High Channel, TX Port 25

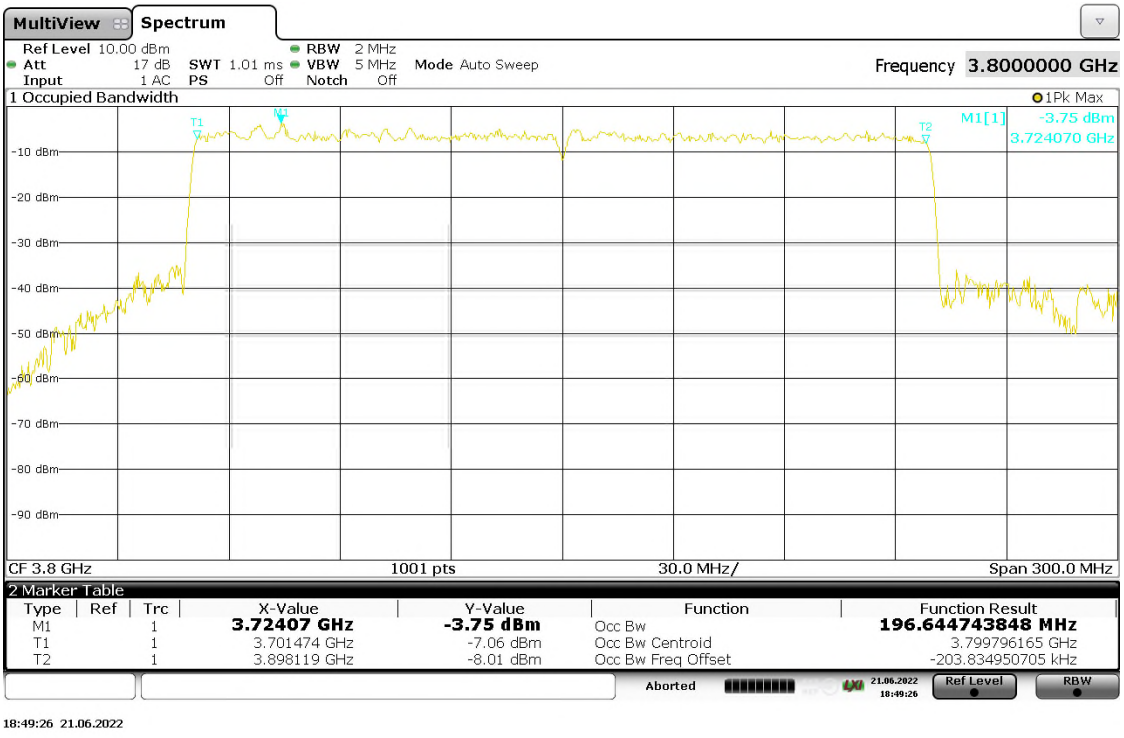


19:01:40 28.06.2022

Table 97: 99% Occupied Bandwidth, 2cc-4a (OBW=100MHz+100MHz)

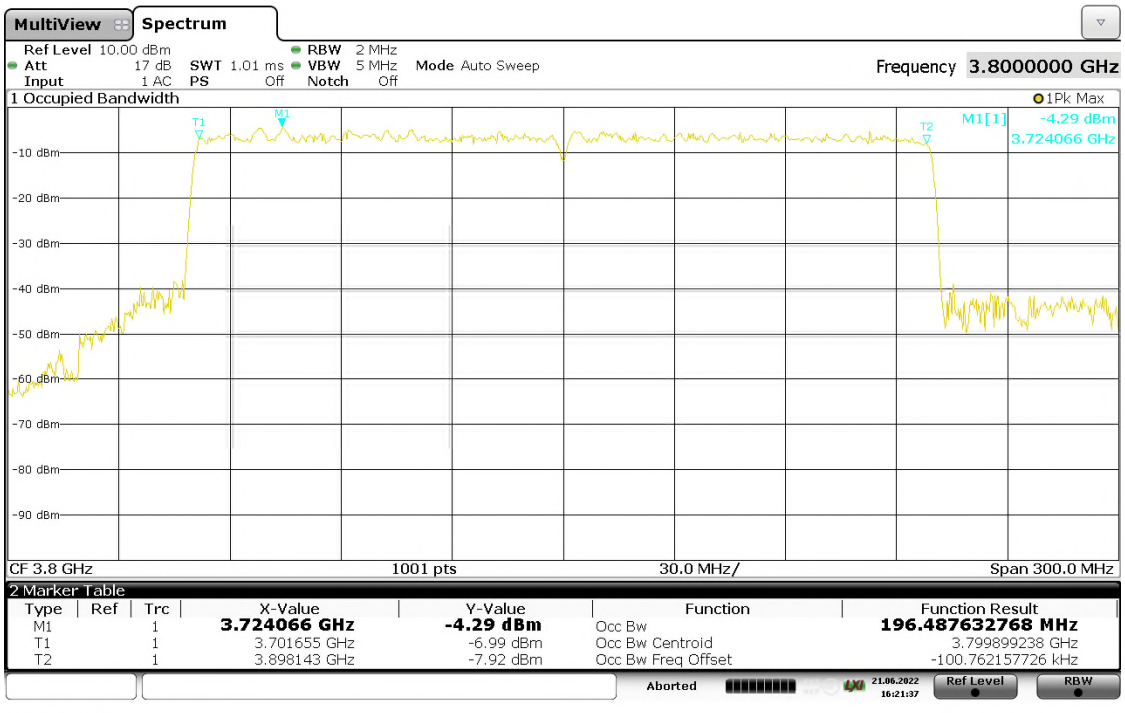
TX Port	99% Occupied Bandwidth [MHz]			
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a
23	196.645	196.271	196.499	196.287
31	196.488	195.991	196.374	196.162

Figure 218: 99% Occupied Bandwidth, 2cc-4a (OBW=100MHz+100MHz), QPSK_TM1.1, TX Port 23



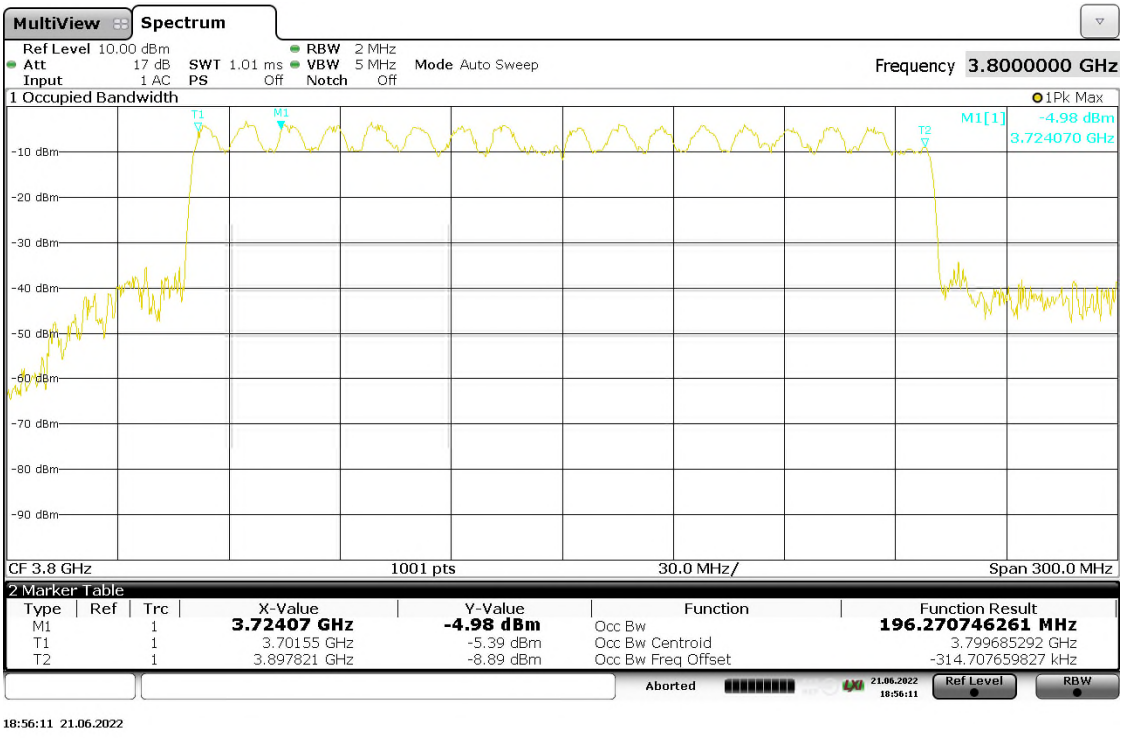
18:49:26 21.06.2022

Figure 219: 99% Occupied Bandwidth, 2cc-4a (OBW=100MHz+100MHz), QPSK_TM1.1, TX Port 31



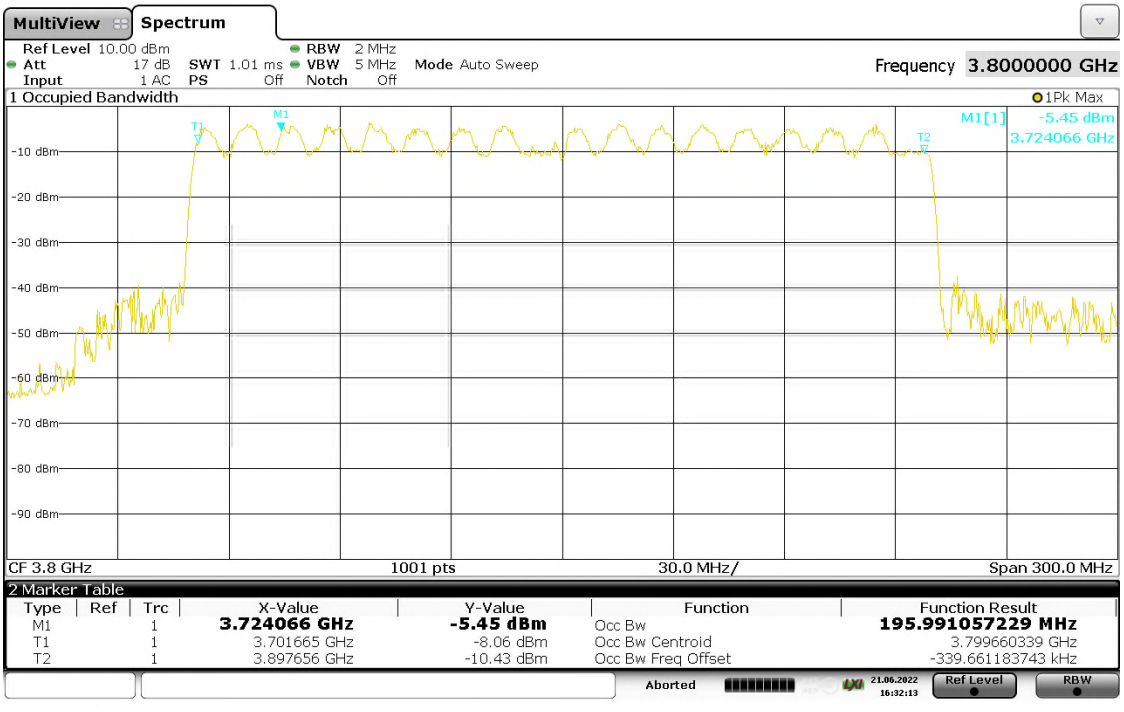
16:21:37 21.06.2022

Figure 220: 99% Occupied Bandwidth, 2cc-4a (OBW=100MHz+100MHz), 16QAM_TM3.2, TX Port 23



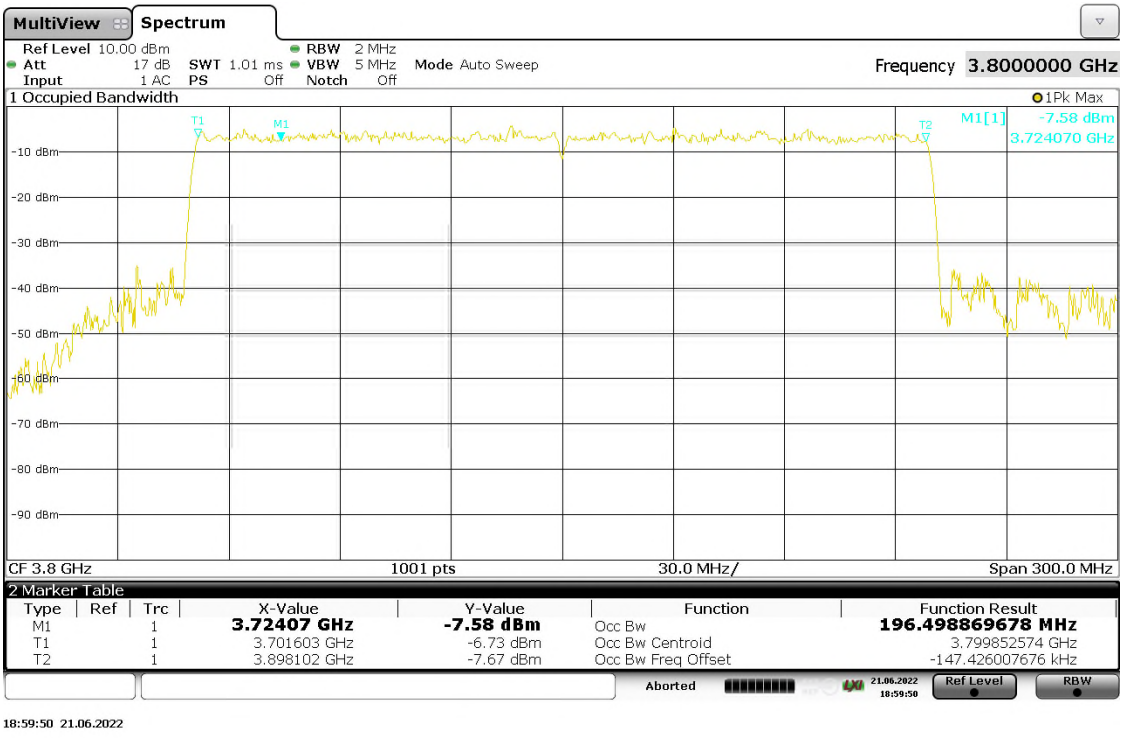
18:56:11 21.06.2022

Figure 221: 99% Occupied Bandwidth, 2cc-4a (OBW=100MHz+100MHz), 16QAM_TM3.2, TX Port 31



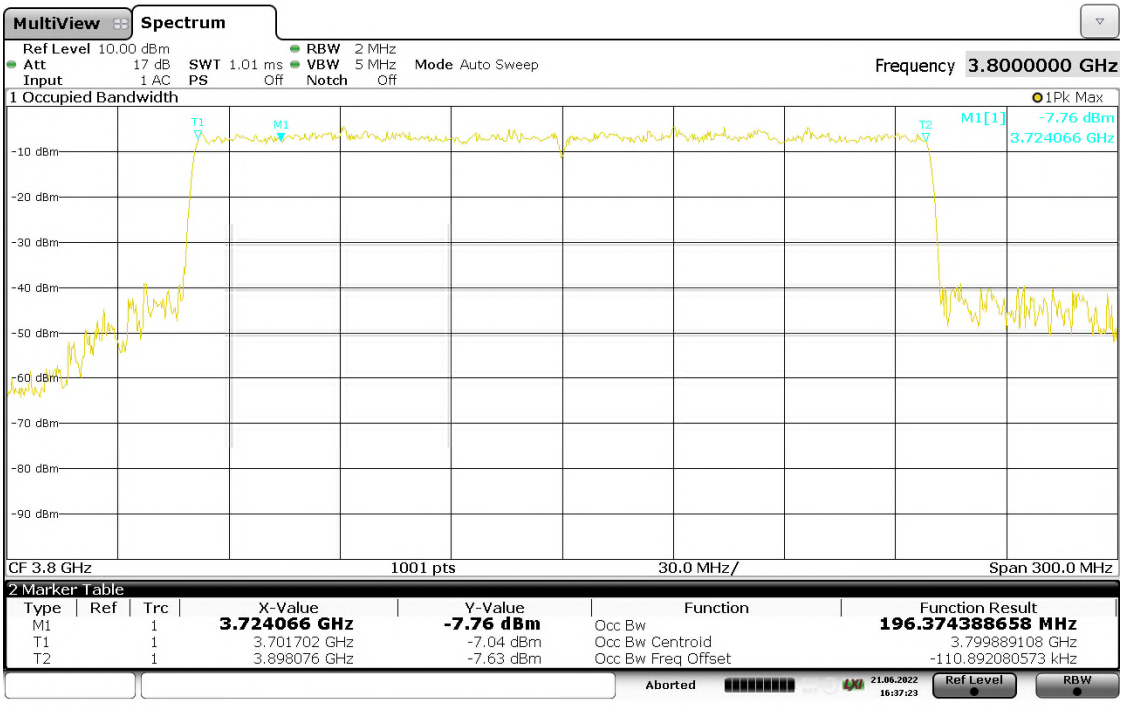
16:32:14 21.06.2022

Figure 222: 99% Occupied Bandwidth, 2cc-4a (OBW=100MHz+100MHz), 64QAM_TM3.1, TX Port 23



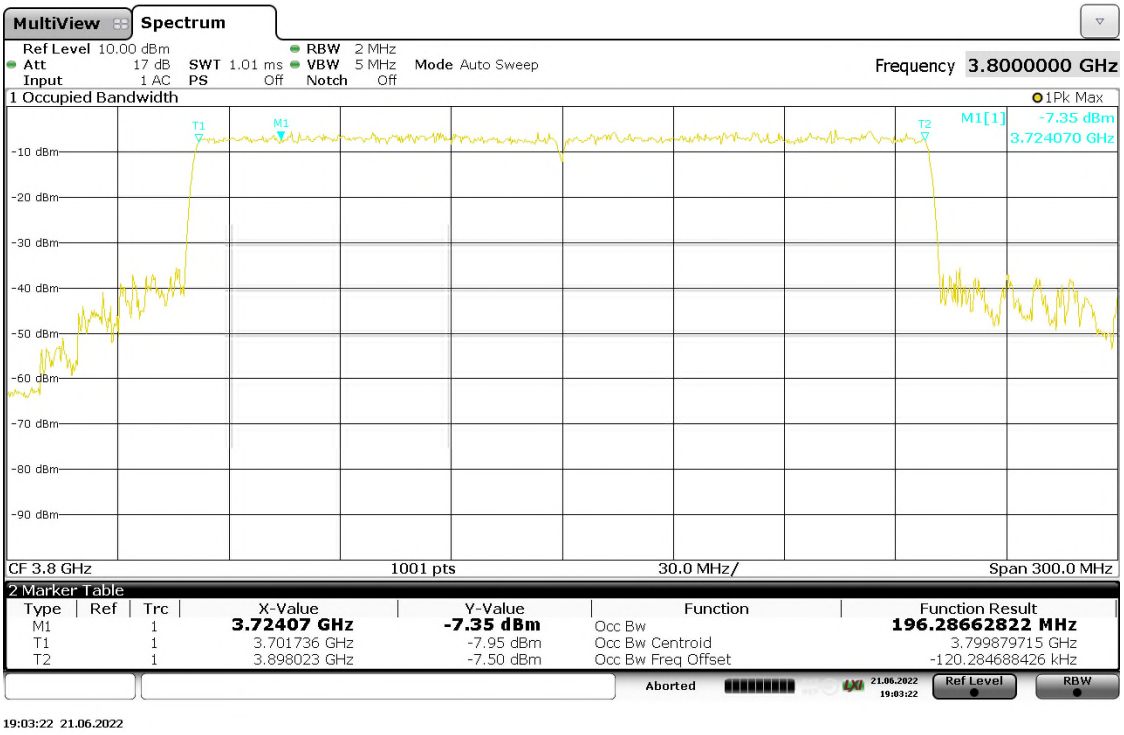
18:59:50 21.06.2022

Figure 223: 99% Occupied Bandwidth, 2cc-4a (OBW=100MHz+100MHz), 64QAM_TM3.1, TX Port 31



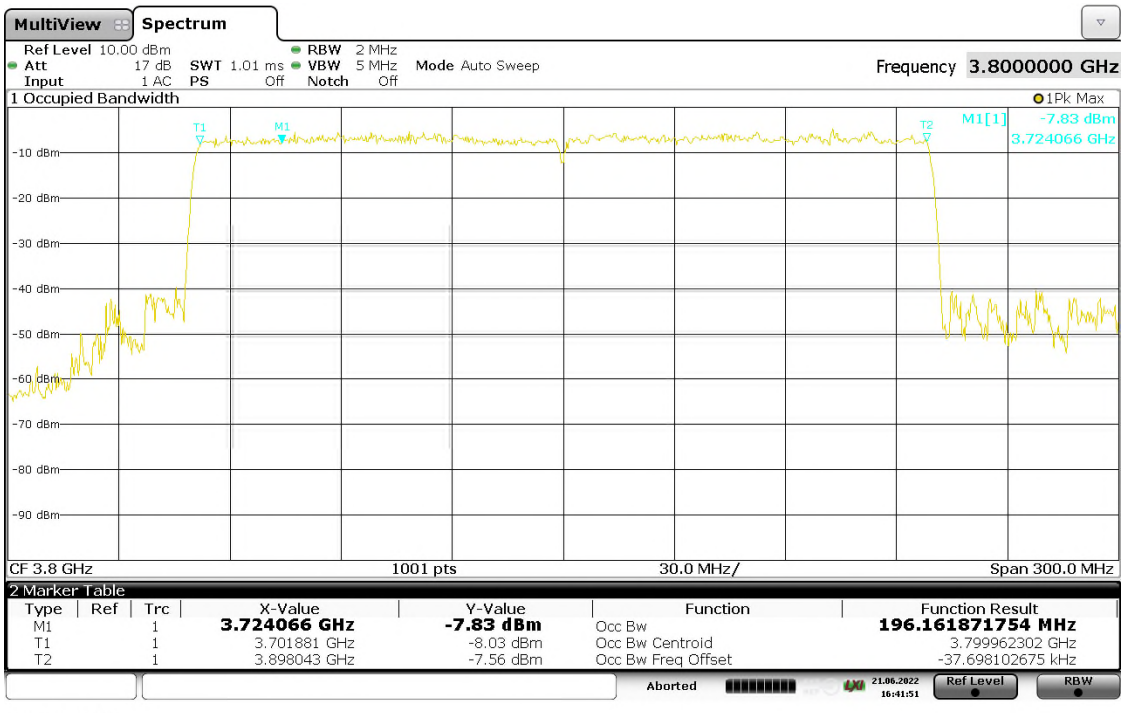
16:37:24 21.06.2022

Figure 224: 99% Occupied Bandwidth, 2cc-4a (OBW=100MHz+100MHz), 256QAM_TM3.1a, TX Port 23



19:03:22 21.06.2022

Figure 225: 99% Occupied Bandwidth, 2cc-4a (OBW=100MHz+100MHz), 256QAM_TM3.1a, TX Port 31



16:41:51 21.06.2022

5.1.5 Out-of-Band Emission

RESULT: **PASS**

Date of testing:	2022-06-15, 2022-06-16, 2022-06-20 2022-06-21, 2022-06-27, 2022-06-28
Ambient temperature:	22, 22, 23, 23, 25, 25°C
Relative humidity:	63, 52, 54, 60, 42, 44%
Atmospheric pressure:	1012, 1005, 1000, 1003, 1013, 1013hPa

Requirements:

FCC 27.53(l)(1)

For base station operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz. Compliance with this paragraph (l)(1) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

Test procedure:

ANSI C63.26 §5.7.3

Note:

This test covers the emission in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block.

Since the EUT has 32 TX ports, the emission limit for one TX port is -28dBm/MHz (-13dBm/MHz divided by 32).

The EUT has 8 identical PCB boards. The test is done on TX port 12, 21, 28, and 29, which are the 4 ports of the same PCB board, for low channel of 1cc-1 ~ 1cc-4 and 2cc-1b ~ 2cc-3b. The test is done on TX port 16, 17, 24, and 25, which are the 4 ports of the same PCB board, for high channel of 1cc-1 ~ 1cc-4 and 2cc-1b ~ 2cc-3b. The test is done on TX port 22, 23, 30, and 31, which are the 4 ports of the same PCB board, for middle channel of 1cc-1 ~ 1cc-4, 2cc-1b ~ 2cc-3b and 2cc-4b.

RBW of 100kHz was used for the test and was integrated into 1MHz result.

Table 98: Out-of-Band Emission, 1cc-1 (OBW=40MHz), Low Channel

TX Port	Out-of-Band Emission [dBm/MHz] for 3699 - 3700MHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
12	-35.69	-36.11	-36.14	-34.78	≤-28
21	-34.63	-35.56	-36.04	-35.31	≤-28
28	-34.16	-36.05	-35.40	**-33.91**	≤-28
29	-33.93	-35.66	-35.32	-35.76	≤-28

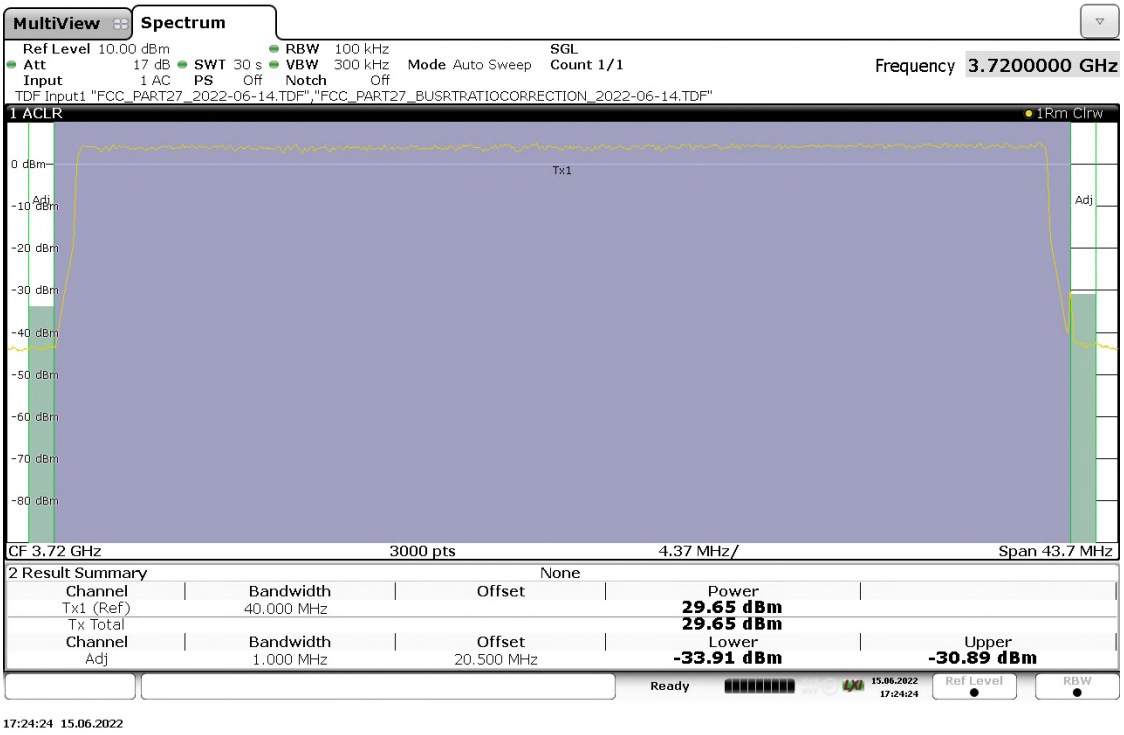
Note: The screen capture of the highest emission is shown below.

Table 99: Out-of-Band Emission, 1cc-1 (OBW=40MHz), High Channel

TX Port	Out-of-Band Emission [dBm/MHz] for 3900 - 3901MHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
16	-36.24	-35.95	-36.43	-36.32	≤-28
17	-36.08	-35.29	-36.20	-36.44	≤-28
24	-35.81	**-35.25**	-36.14	-36.01	≤-28
25	-36.53	-36.55	-36.82	-36.99	≤-28

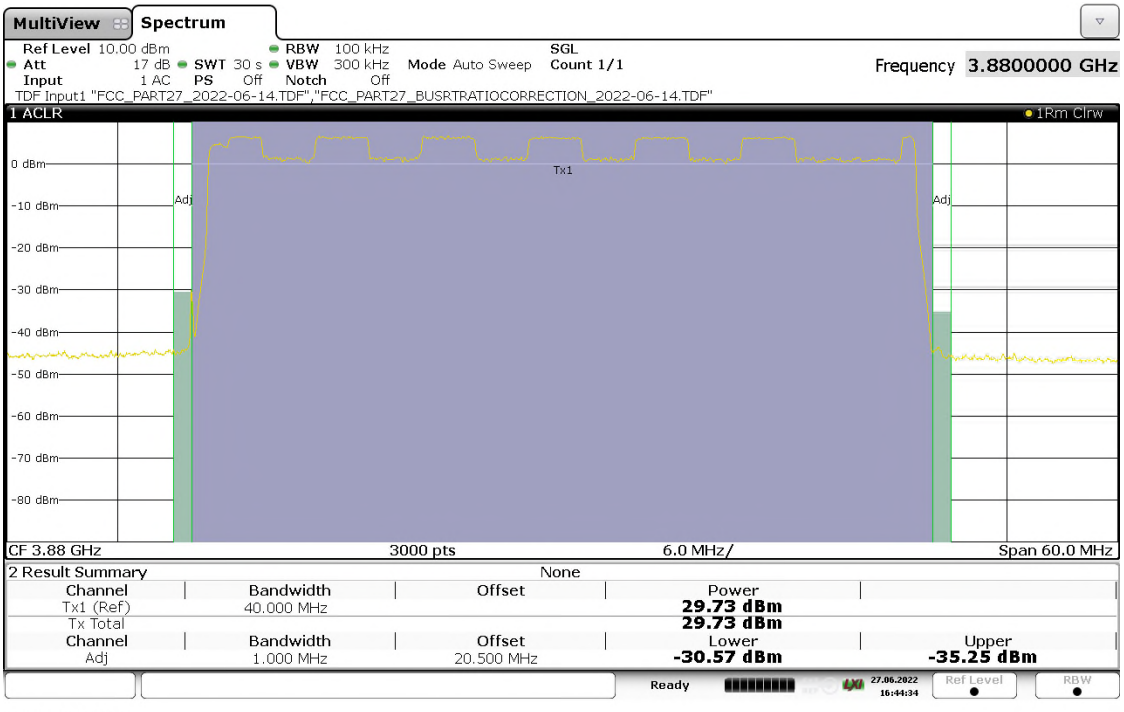
Note: The screen capture of the highest emission is shown below.

Figure 226: Out-of-Band Emission, 1cc-1 (OBW=40MHz), Low Channel, 256QAM_TM3.1a, TX Port 28



17:24:24 15.06.2022

Figure 227: Out-of-Band Emission, 1cc-1 (OBW=40MHz), High Channel, 16QAM_TM3.2, TX Port 24



16:44:34 27.06.2022

Table 100: Out-of-Band Emission, 1cc-2 (OBW=60MHz), Low Channel

TX Port	Out-of-Band Emission [dBm/MHz] for 3699 - 3700MHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
12	-32.96	-33.46	-33.45	-34.48	≤-28
21	-32.99	-33.32	-35.08	-34.60	≤-28
28	-33.87	-33.05	-32.11	-34.76	≤-28
29	-34.43	**-31.64**	-34.39	-35.52	≤-28

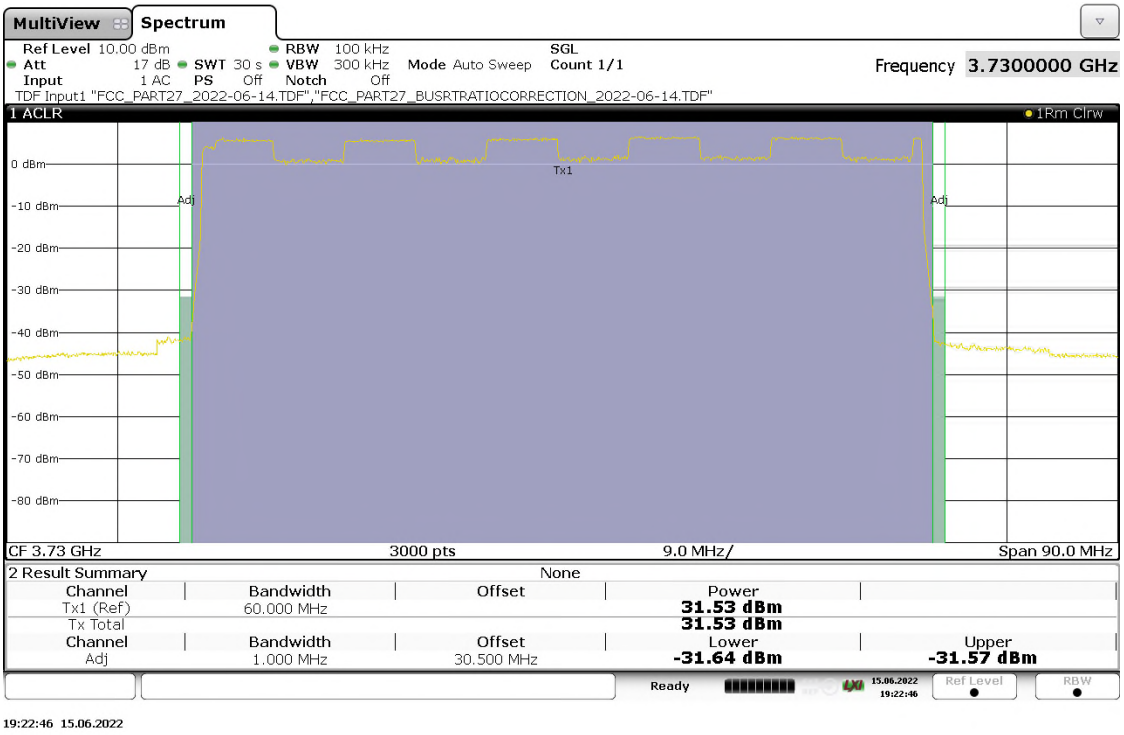
Note: The screen capture of the highest emission is shown below.

Table 101: Out-of-Band Emission, 1cc-2 (OBW=60MHz), High Channel

TX Port	Out-of-Band Emission [dBm/MHz] for 3900 - 3901MHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
16	-33.44	-33.63	-35.03	-34.95	≤-28
17	-33.64	**-33.19**	-34.67	-34.68	≤-28
24	-33.80	-33.41	-34.70	-34.84	≤-28
25	-33.63	-34.61	-35.62	-35.84	≤-28

Note: The screen capture of the highest emission is shown below.

Figure 228: Out-of-Band Emission, 1cc-2 (OBW=60MHz), Low Channel, 16QAM_TM3.2, TX Port 29



19:22:46 15.06.2022

Figure 229: Out-of-Band Emission, 1cc-2 (OBW=60MHz), High Channel, 16QAM_TM3.2, TX Port 17

17:51:53 27.06.2022

Table 102: Out-of-Band Emission, 1cc-3 (OBW=80MHz), Low Channel

TX Port	Out-of-Band Emission [dBm/MHz] for 3699 - 3700MHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
12	**-34.00**	-34.12	-34.37	-34.09	≤-28
21	-34.54	-34.45	-35.20	-35.14	≤-28
28	-34.66	-34.77	-34.61	-35.30	≤-28
29	-35.27	-35.09	-35.59	-35.63	≤-28

Note: The screen capture of the highest emission is shown below.

Table 103: Out-of-Band Emission, 1cc-3 (OBW=80MHz), High Channel

TX Port	Out-of-Band Emission [dBm/MHz] for 3900 - 3901MHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
16	-34.42	-34.81	-34.50	-34.52	≤-28
17	-34.31	-34.18	-34.58	**-33.84**	≤-28
24	-34.53	-34.36	-33.93	-34.12	≤-28
25	-35.46	-35.38	-35.87	-35.31	≤-28

Note: The screen capture of the highest emission is shown below.

Figure 230: Out-of-Band Emission, 1cc-3 (OBW=80MHz), Low Channel, QPSK_TM1.1, TX Port 12

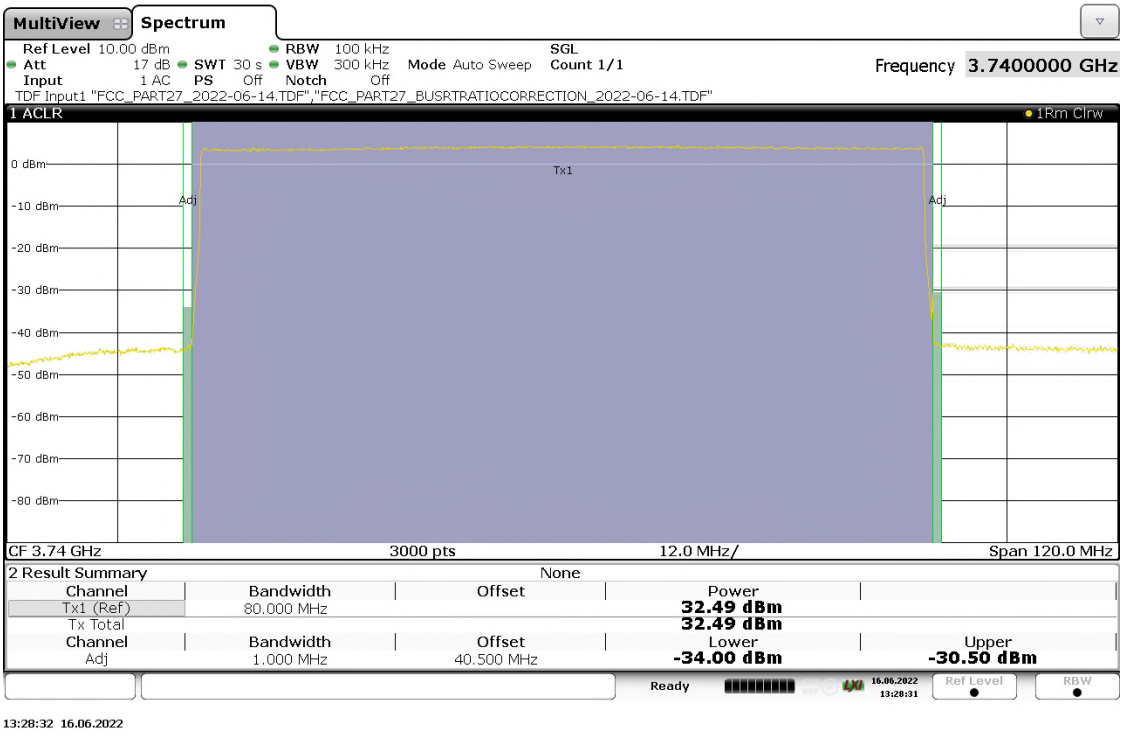


Figure 231: Out-of-Band Emission, 1cc-3 (OBW=80MHz), High Channel, 256QAM_TM3.1a, TX Port 17

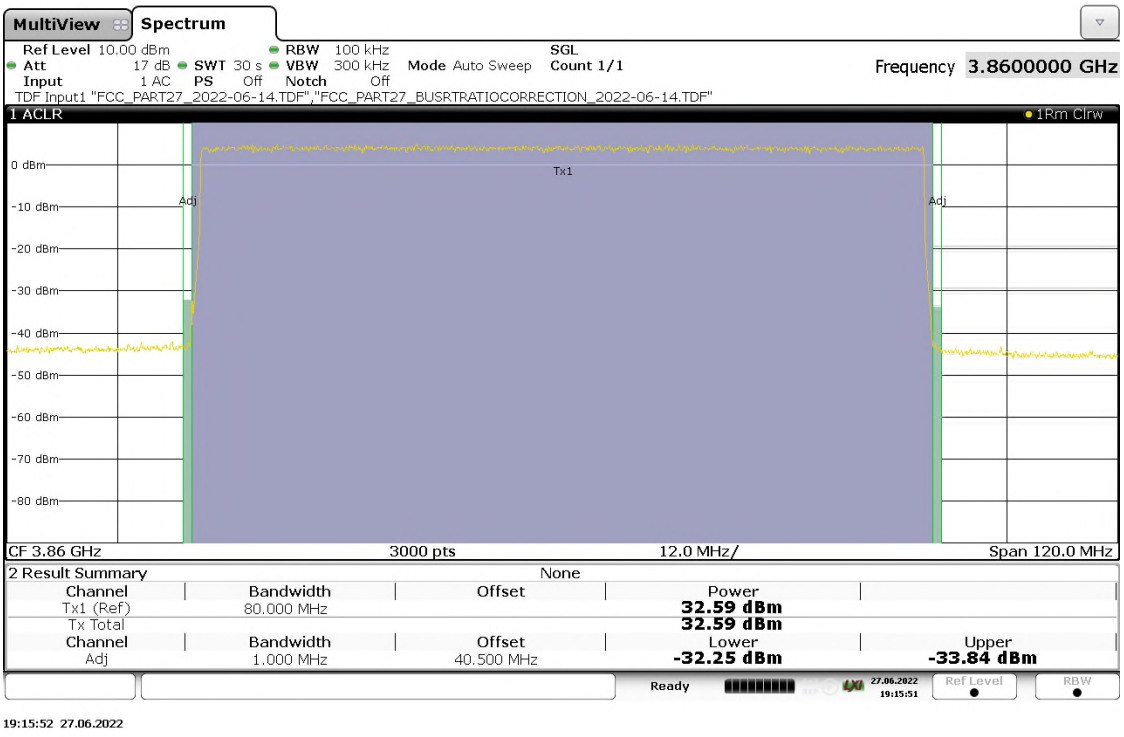


Table 104: Out-of-Band Emission, 1cc-4 (OBW=100MHz), Low Channel

TX Port	Out-of-Band Emission [dBm/MHz] for 3699 - 3700MHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
12	**-33.04**	-33.41	-33.60	-33.69	≤-28
21	-33.92	-33.67	-34.22	-34.69	≤-28
28	-33.34	-33.52	-33.55	-34.19	≤-28
29	-34.04	-34.10	-34.03	-34.51	≤-28

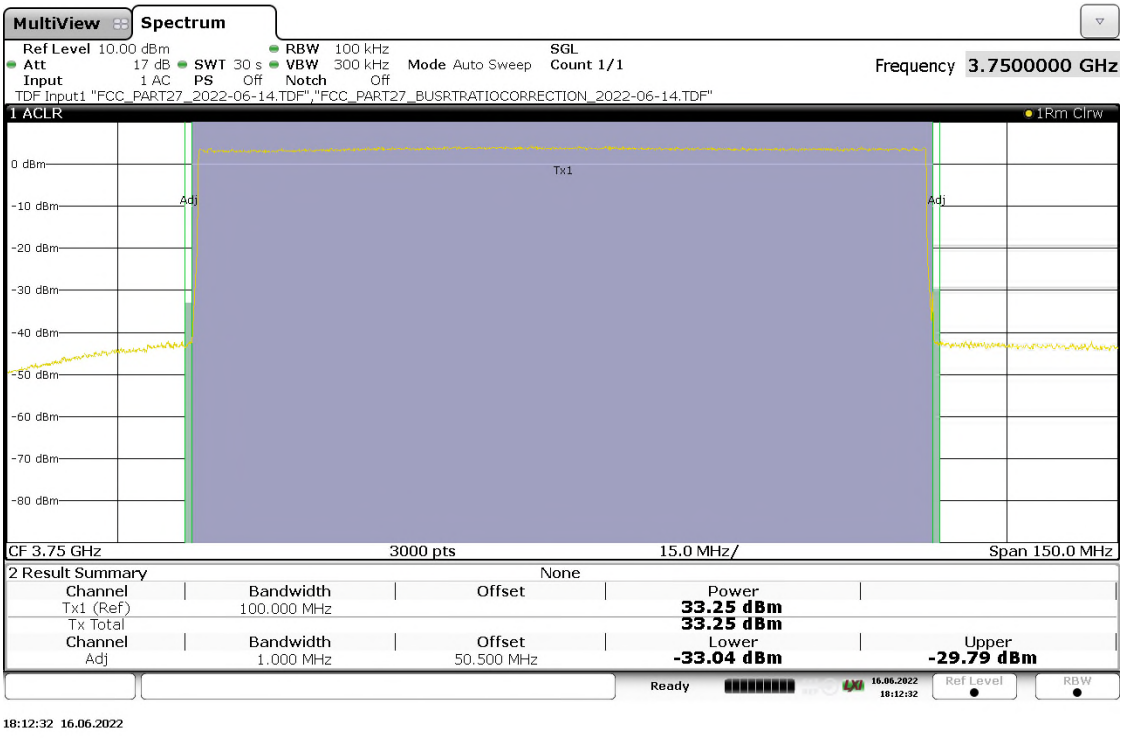
Note: The screen capture of the highest emission is shown below.

Table 105: Out-of-Band Emission, 1cc-4 (OBW=100MHz), High Channel

TX Port	Out-of-Band Emission [dBm/MHz] for 3900 - 3901MHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
16	-33.65	-34.82	-35.02	-34.83	≤-28
17	-33.68	-33.75	-33.96	-33.70	≤-28
24	**-32.96**	-33.46	-33.48	-33.94	≤-28
25	-35.06	-35.12	-35.49	-35.08	≤-28

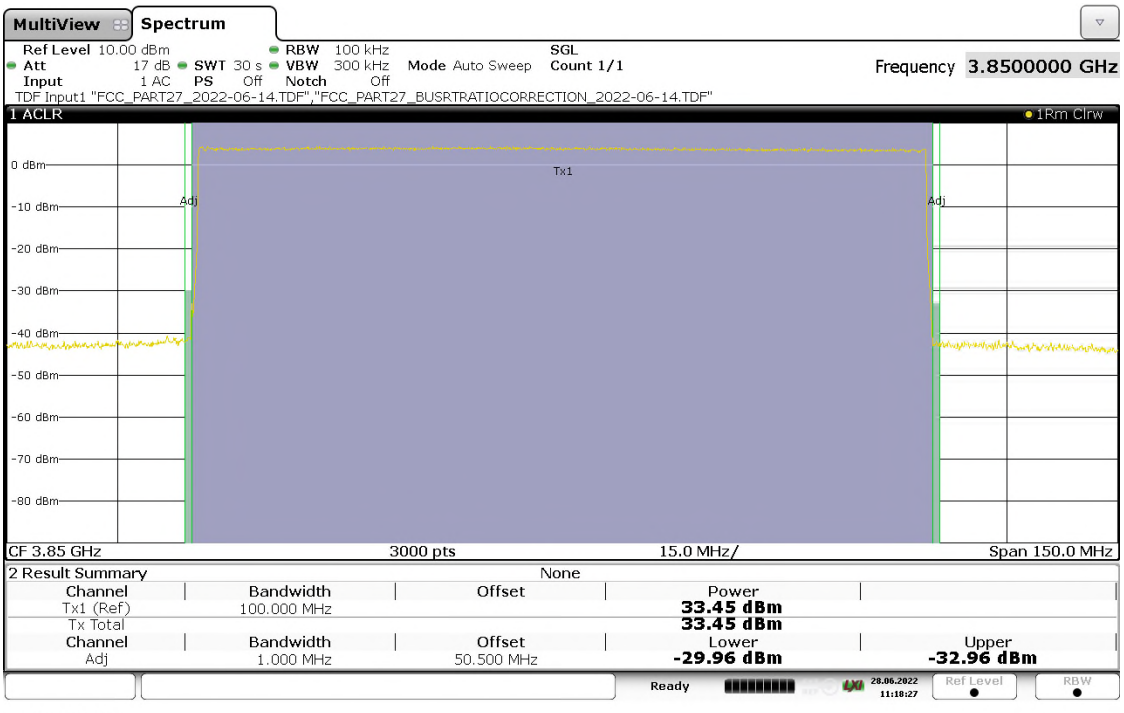
Note: The screen capture of the highest emission is shown below.

Figure 232: Out-of-Band Emission, 1cc-4 (OBW=100MHz), Low Channel, QPSK_TM1.1, TX Port 12



18:12:32 16.06.2022

Figure 233: Out-of-Band Emission, 1cc-4 (OBW=100MHz), High Channel, QPSK_TM1.1, TX Port 24



11:18:28 28.06.2022

Table 106: Out-of-Band Emission, 2cc-1b (OBW=40MHz+40MHz), Low Channel

TX Port	Out-of-Band Emission [dBm/MHz] for 3699 - 3700MHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
12	**-31.57**	-32.53	-34.02	-33.10	≤-28
21	-32.66	-33.36	-33.66	-32.02	≤-28
28	-32.91	-32.90	-33.83	-31.75	≤-28
29	-33.99	-35.41	-34.84	-33.29	≤-28

Note: The screen capture of the highest emission is shown below.

Table 107: Out-of-Band Emission, 2cc-1b (OBW=40MHz+40MHz), High Channel

TX Port	Out-of-Band Emission [dBm/MHz] for 3900 - 3901MHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
16	-32.20	-32.41	-34.74	-32.70	≤-28
17	-33.89	-34.31	-34.16	-33.12	≤-28
24	-33.55	-33.00	-34.31	**-32.04**	≤-28
25	-35.14	-34.01	-35.36	-33.17	≤-28

Note: The screen capture of the highest emission is shown below.

Figure 234: Out-of-Band Emission, 2cc-1b (OBW=40MHz+40MHz), Low Channel, QPSK_TM1.1, TX Port 12

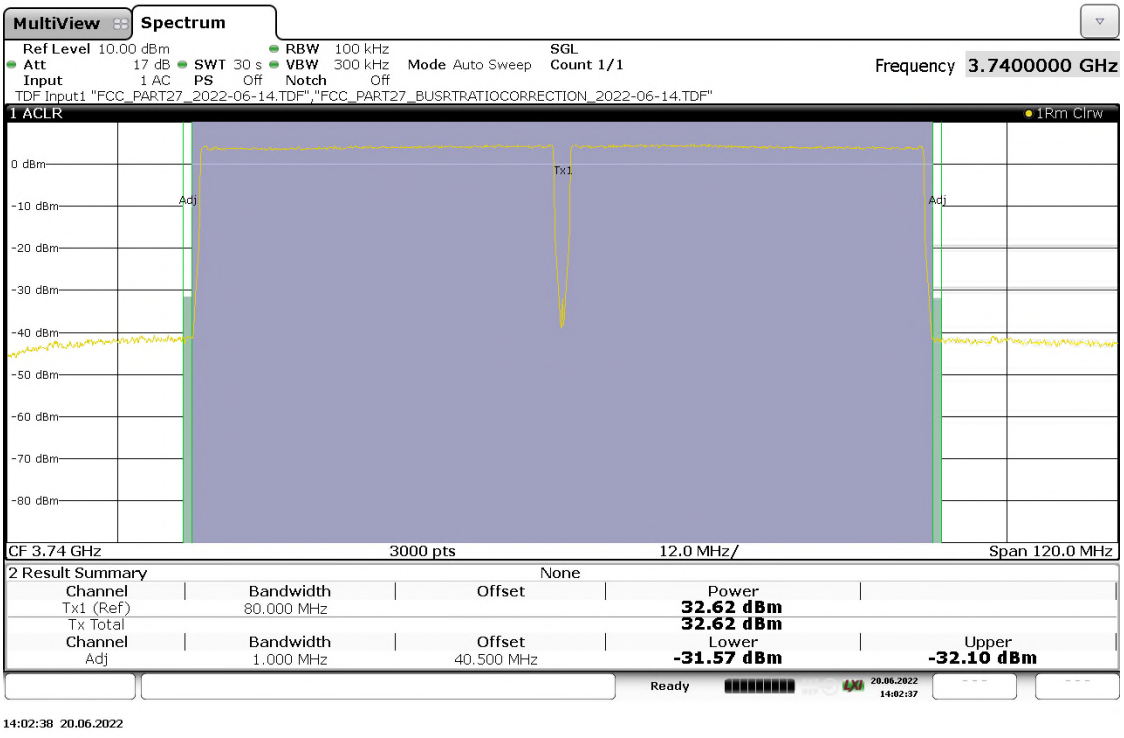


Figure 235: Out-of-Band Emission, 2cc-1b (OBW=40MHz+40MHz), High Channel, 256QAM_TM3.1a, TX Port 24

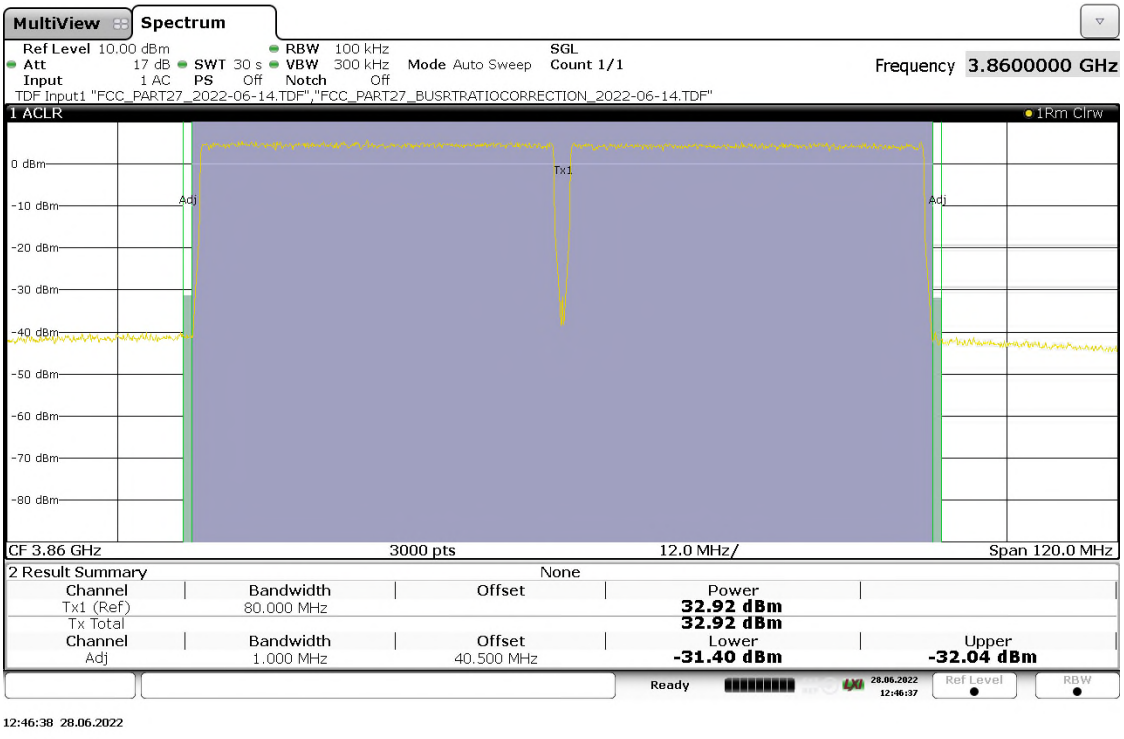


Table 108: Out-of-Band Emission, 2cc-2b (OBW=60MHz+60MHz), Low Channel

TX Port	Out-of-Band Emission [dBm/MHz] for 3699 - 3700MHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
12	**-31.56**	-31.62	-32.46	-32.53	≤-28
21	-33.06	-32.84	-33.50	-33.15	≤-28
28	-32.47	-32.25	-32.62	-32.50	≤-28
29	-33.74	-33.64	-33.30	-34.10	≤-28

Note: The screen capture of the highest emission is shown below.

Table 109: Out-of-Band Emission, 2cc-2b (OBW=60MHz+60MHz), High Channel

TX Port	Out-of-Band Emission [dBm/MHz] for 3900 - 3901MHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
16	-33.50	-32.80	-33.06	-33.39	≤-28
17	-31.54	-31.51	-31.53	-32.38	≤-28
24	-33.01	**-30.97**	-31.52	-33.21	≤-28
25	-32.24	-32.88	-33.02	-33.64	≤-28

Note: The screen capture of the highest emission is shown below.

Figure 236: Out-of-Band Emission, 2cc-2b (OBW=60MHz+60MHz), Low Channel, QPSK_TM1.1, TX Port 12

Figure 237: Out-of-Band Emission, 2cc-2b (OBW=60MHz+60MHz), High Channel, 16QAM_TM3.2, TX Port 24

Table 110: Out-of-Band Emission, 2cc-3b (OBW=80MHz+80MHz), Low Channel

TX Port	Out-of-Band Emission [dBm/MHz] for 3699 - 3700MHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
12	-32.36	**-31.64**	-32.31	-32.33	≤-28
21	-33.04	-32.92	-32.85	-33.18	≤-28
28	-32.37	-32.13	-32.63	-32.70	≤-28
29	-33.05	-32.96	-33.07	-33.38	≤-28

Note: The screen capture of the highest emission is shown below.

Table 111: Out-of-Band Emission, 2cc-3b (OBW=80MHz+80MHz), High Channel

TX Port	Out-of-Band Emission [dBm/MHz] for 3900 - 3901MHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
16	-32.40	-33.05	-33.17	-32.80	≤-28
17	-31.74	-31.21	-32.57	-32.00	≤-28
24	-31.56	**-31.00**	-31.91	-31.45	≤-28
25	-32.55	-32.77	-32.66	-32.64	≤-28

Note: The screen capture of the highest emission is shown below.

Figure 238: Out-of-Band Emission, 2cc-3b (OBW=80MHz+80MHz), Low Channel, 16QAM_TM3.2, TX Port 12

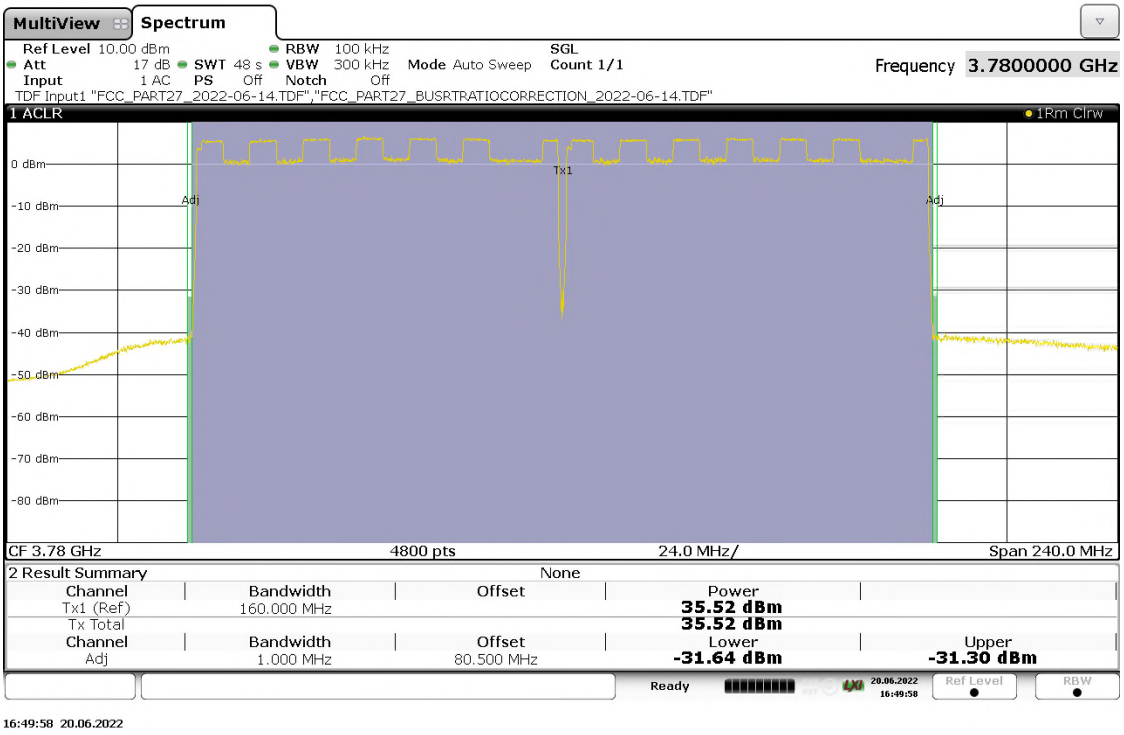


Figure 239: Out-of-Band Emission, 2cc-3b (OBW=80MHz+80MHz), High Channel, 16QAM_TM3.2, TX Port 24

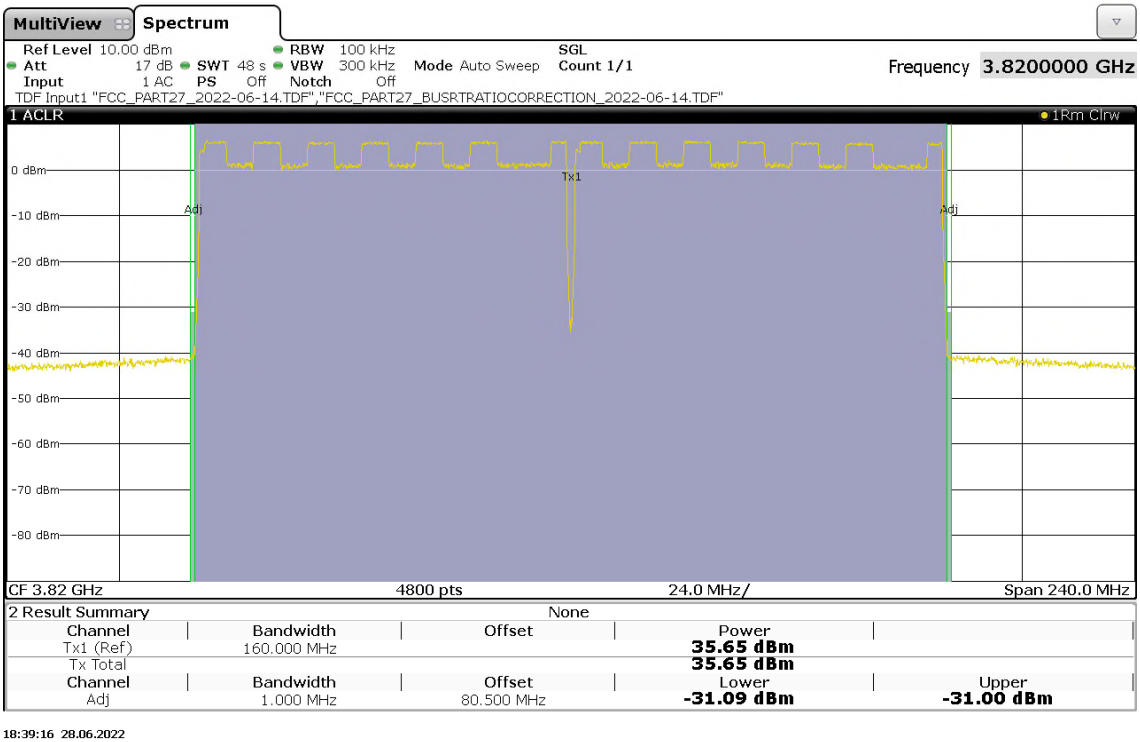


Table 112: Out-of-Band Emission, 2cc-4b (OBW=100MHz+100MHz), Low Side

TX Port	Out-of-Band Emission [dBm/MHz] for 3699 - 3700MHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
22	-32.44	-32.76	-32.93	-31.84	≤-28
23	-30.72	-31.07	-30.78	-30.50	≤-28
30	-30.49	**-30.19**	-30.38	-30.47	≤-28
31	-31.92	-32.35	-31.77	-32.43	≤-28

Note: The screen capture of the highest emission is shown below.

Table 113: Out-of-Band Emission, 2cc-4b (OBW=100MHz+100MHz), High Side

TX Port	Out-of-Band Emission [dBm/MHz] for 3900 - 3901MHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
22	-31.37	-32.32	-31.75	-31.91	≤-28
23	-29.68	-30.57	-30.19	-30.17	≤-28
30	**-28.41**	-29.05	-28.44	-28.78	≤-28
31	-31.56	-32.26	-30.86	-31.78	≤-28

Note: The screen capture of the highest emission is shown below.

Figure 240: Out-of-Band Emission, 2cc-4b (OBW=100MHz+100MHz), Low Side, 16QAM_TM3.2, TX Port 30

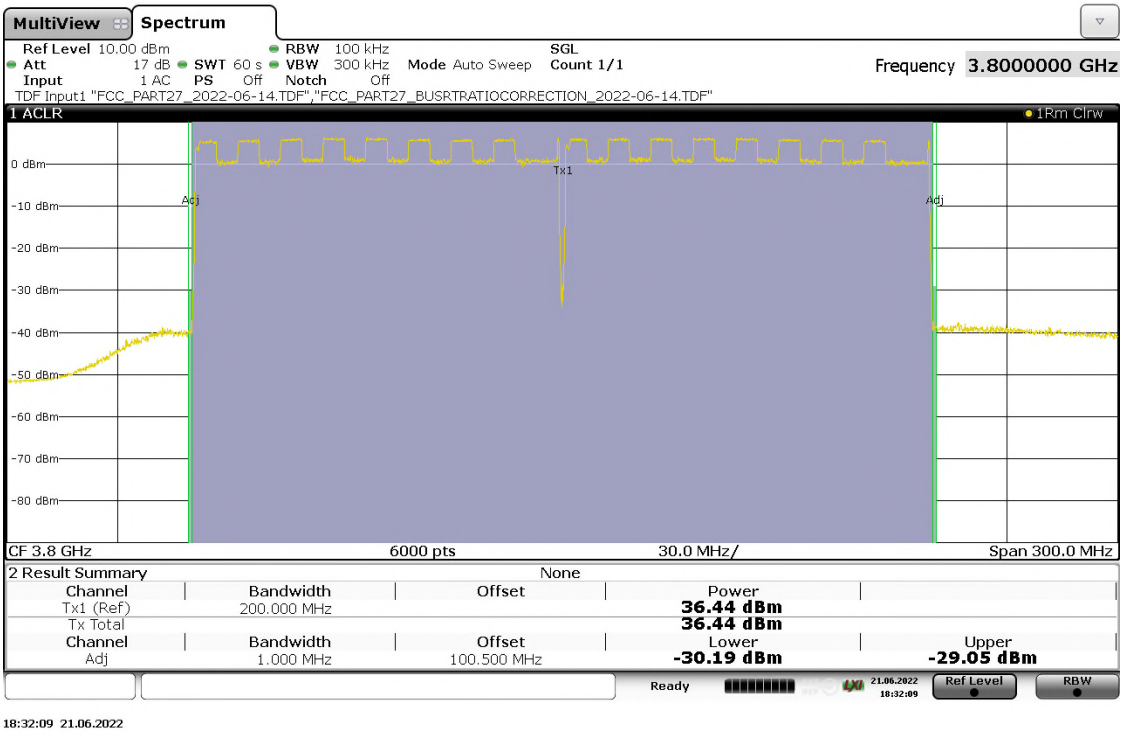
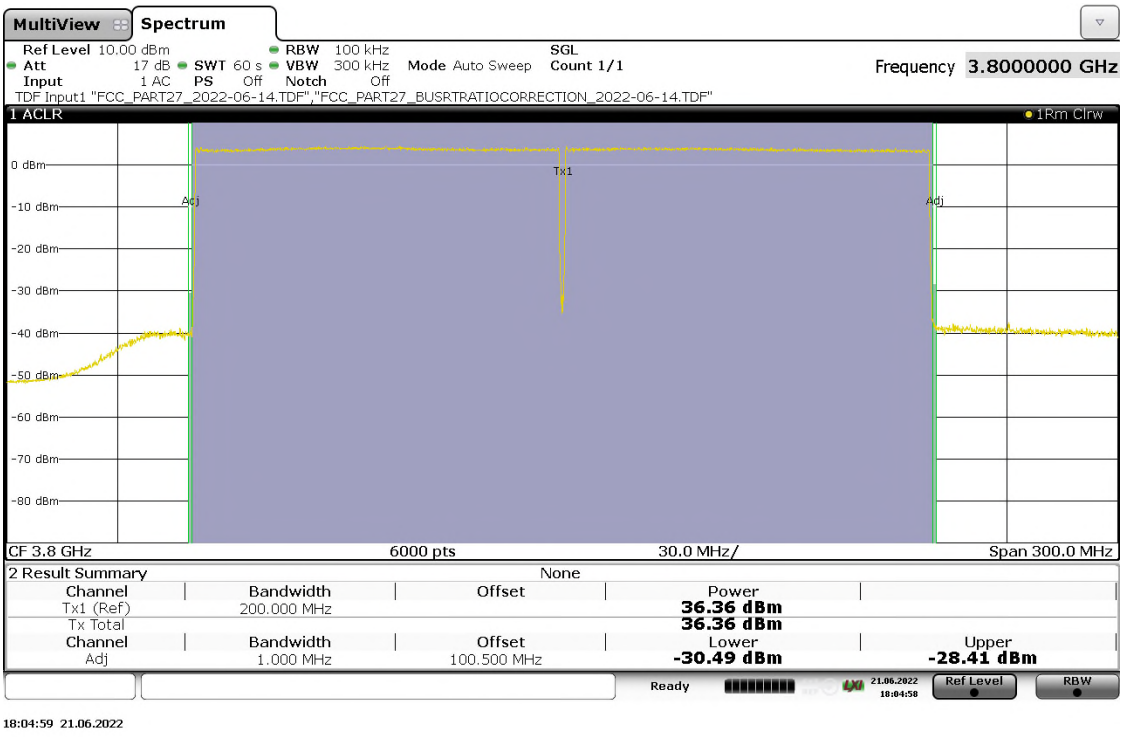


Figure 241: Out-of-Band Emission, 2cc-4b (OBW=100MHz+100MHz), High Side, QPSK_TM1.1, TX Port 30



5.1.6 Conducted Spurious Emission

RESULT: **PASS**

Date of testing:	2022-06-15, 2022-06-16, 2022-06-17 2022-06-22, 2022-06-21, 2022-06-22 2022-06-23, 2022-06-27, 2022-06-28
Ambient temperature:	22, 22, 22, 23, 23, 23, 23, 25, 25°C
Relative humidity:	63, 63, 52, 52, 54, 61, 46, 42, 44%
Atmospheric pressure:	1012, 1005, 1004, 1000, 1003, 1010, 1012, 1013, 1013hPa

Requirements:

FCC 27.53(l)(1)

For base station operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz. Compliance with this paragraph (l)(1) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

Test procedure:

ANSI C63.26 §5.7.4

Note:

Since the EUT has 32 TX ports, the emission limit for one TX port is -28dBm/MHz (-13dBm/MHz divided by 32).

The EUT has 8 identical PCB boards. The test is done on TX port 12, 21, 28, and 29, which are the 4 ports of the same PCB board, for low channel of 1cc-1 ~ 1cc-4 and 2cc-1b ~ 2cc-3b. The test is done on TX port 16, 17, 24, and 25, which are the 4 ports of the same PCB board, for high channel of 1cc-1 ~ 1cc-4 and 2cc-1b ~ 2cc-3b. The test is done on TX port 22, 23, 30, and 31, which are the 4 ports of the same PCB board, for middle channel of 1cc-1 ~ 1cc-4, 2cc-1b ~ 2cc-3b and 2cc-4b.

Table 114: Maximum Conducted Spurious Emission, 1cc-1 (OBW=40MHz), Low Channel

TX Port	Maximum Conducted Spurious Emission [dBm/MHz] for 9kHz - 39GHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
12	**-29.76**	-29.98	-30.04	-30.04	≤-28
21	-29.94	-30.10	-30.14	-30.12	≤-28
28	-29.94	-29.95	-30.09	-30.14	≤-28
29	-30.16	-30.07	-30.07	-29.94	≤-28

Note: The screen capture of the highest emission is shown below.

Table 115: Maximum Conducted Spurious Emission, 1cc-1 (OBW=40MHz), Middle Channel

TX Port	Maximum Conducted Spurious Emission [dBm/MHz] for 9kHz - 39GHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
22	-30.17	-30.14	-30.21	**-30.07**	≤-28
23	-30.12	-30.28	-30.18	-30.33	≤-28
30	-30.33	-30.25	-30.26	-30.21	≤-28
31	-30.24	-30.34	-30.23	-30.34	≤-28

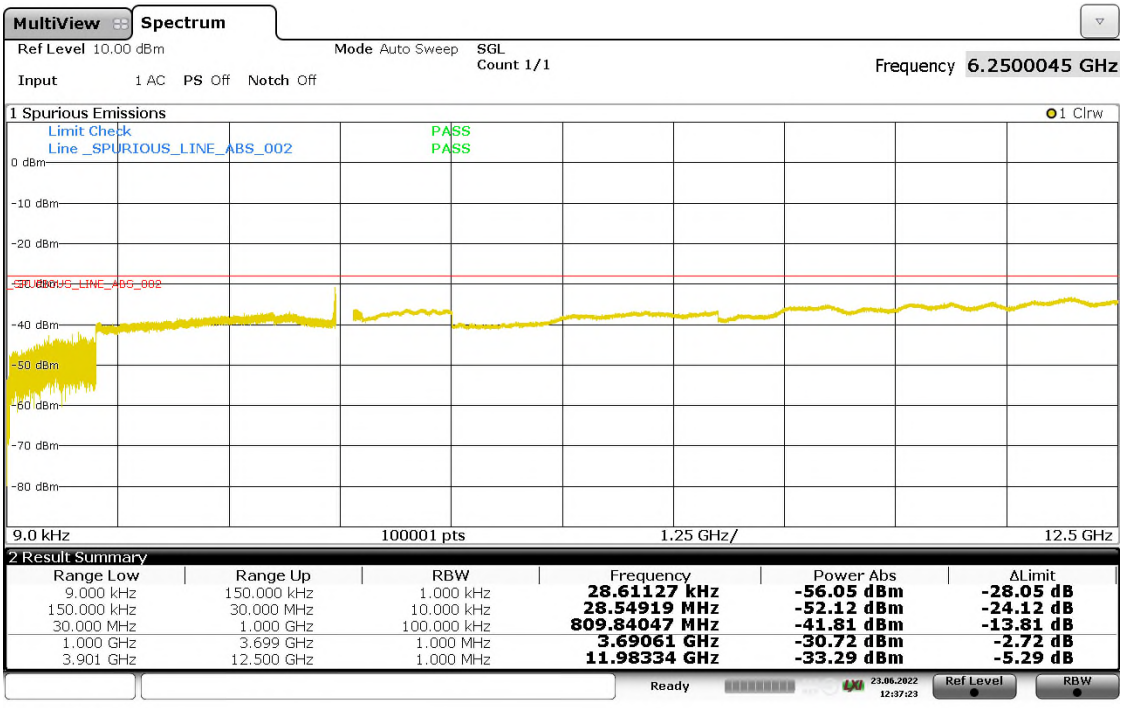
Note: The screen capture of the highest emission is shown below.

Table 116: Maximum Conducted Spurious Emission, 1cc-1 (OBW=40MHz), High Channel

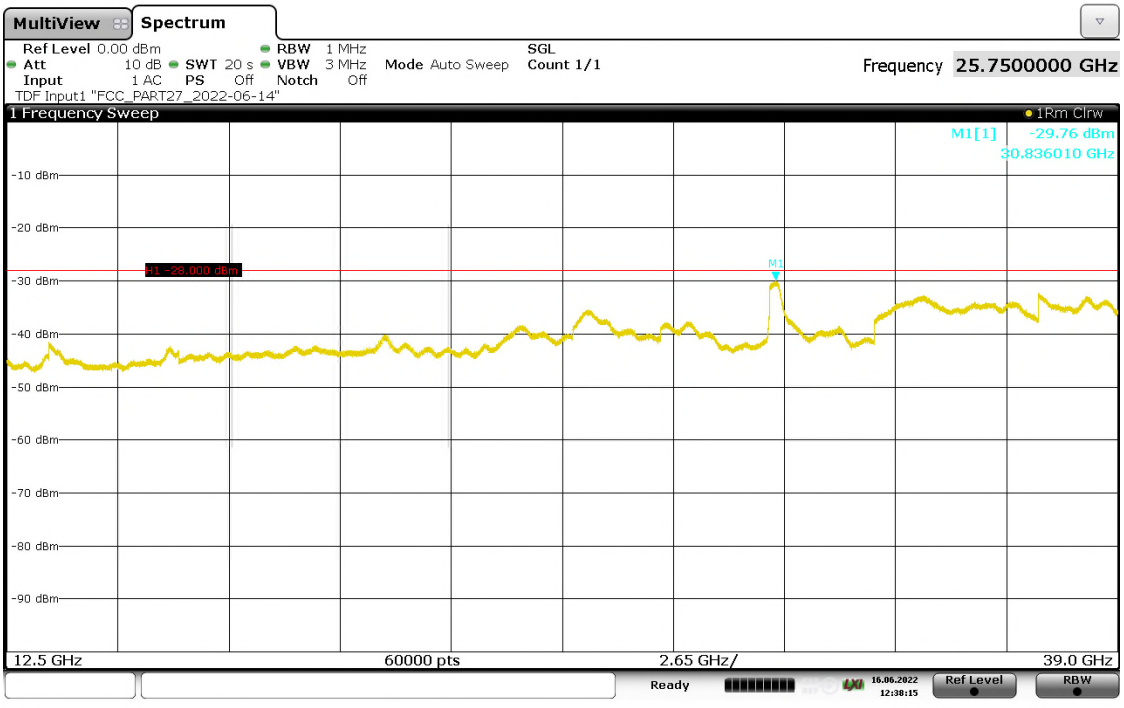
TX Port	Maximum Conducted Spurious Emission [dBm/MHz] for 9kHz - 39GHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
16	**-29.62**	-29.65	-29.84	-29.73	≤-28
17	-29.74	-29.74	-29.66	-29.79	≤-28
24	-29.68	-29.74	-29.71	-29.75	≤-28
25	-29.74	-29.82	-29.68	-29.75	≤-28

Note: The screen capture of the highest emission is shown below.

Figure 242: Conducted Spurious Emission, 9kHz - 39GHz, 1cc-1 (OBW=40MHz), Low Channel, QPSK_TM1.1, TX Port 12

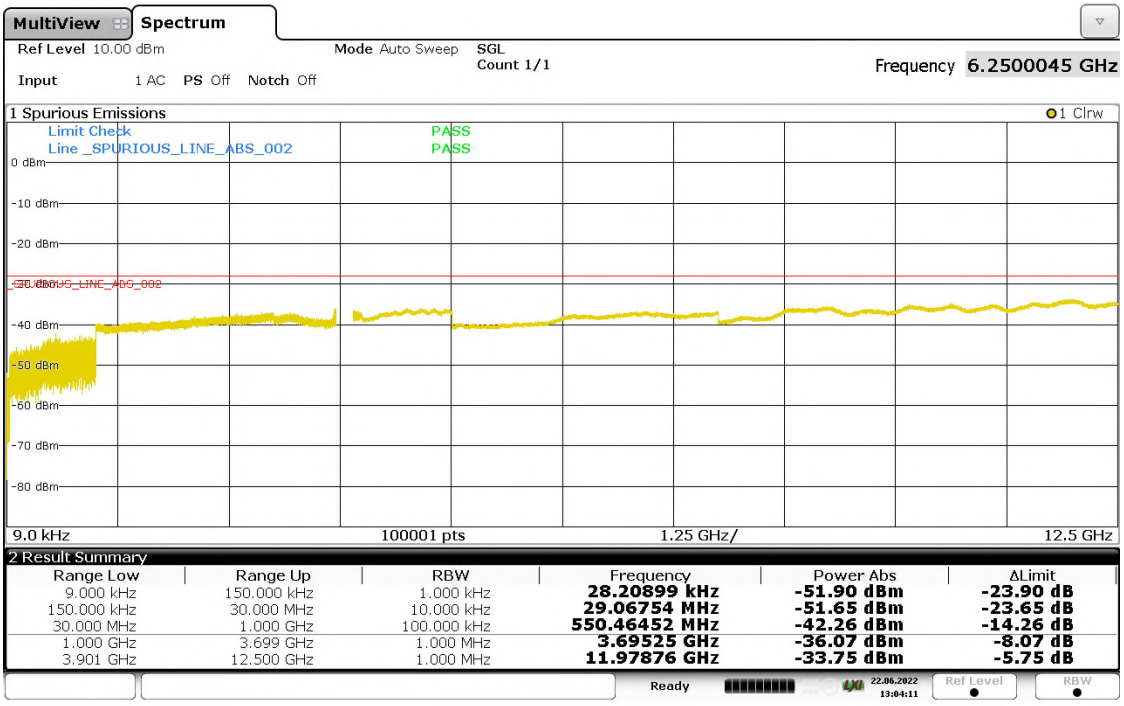


12:37:24 23.06.2022

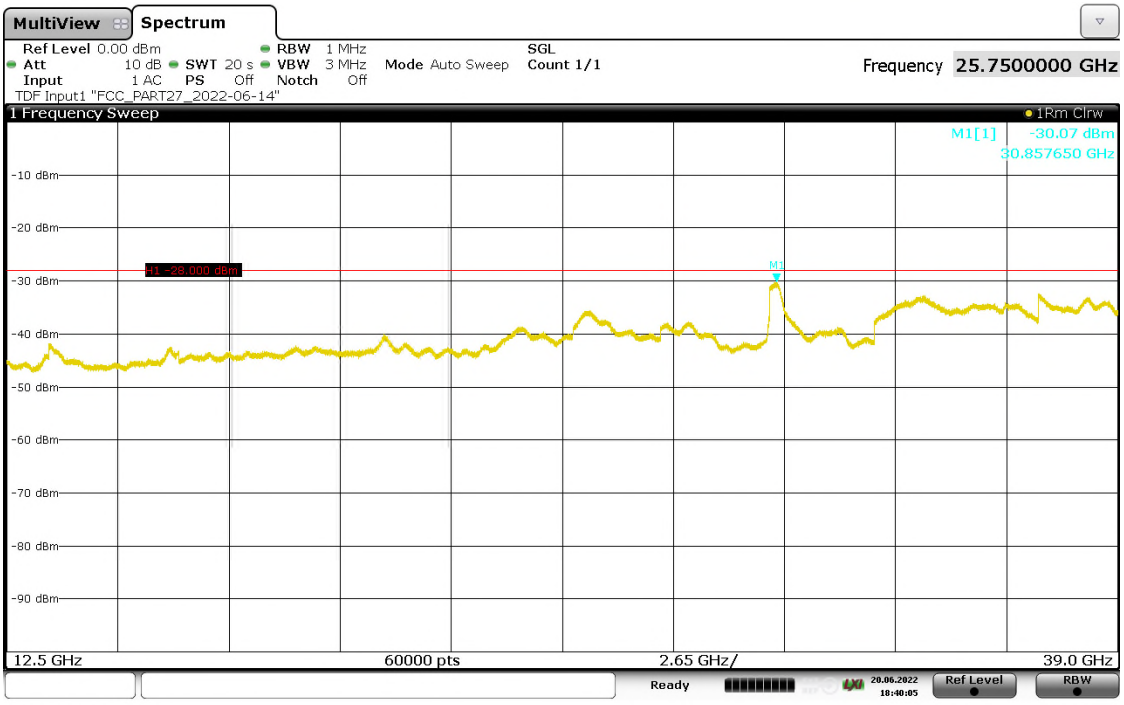


12:38:15 16.06.2022

Figure 243: Conducted Spurious Emission, 9kHz - 39GHz, 1cc-1 (OBW=40MHz), Middle Channel, 256QAM_TM3.1a, TX Port 22

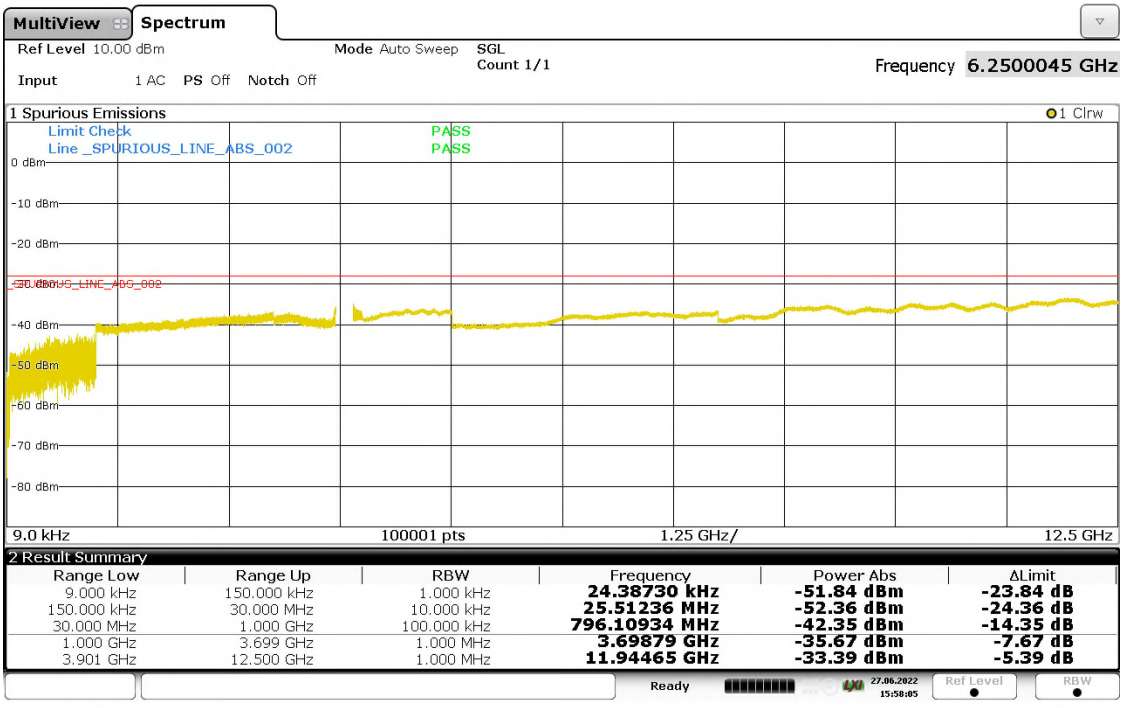


13:04:11 22.06.2022

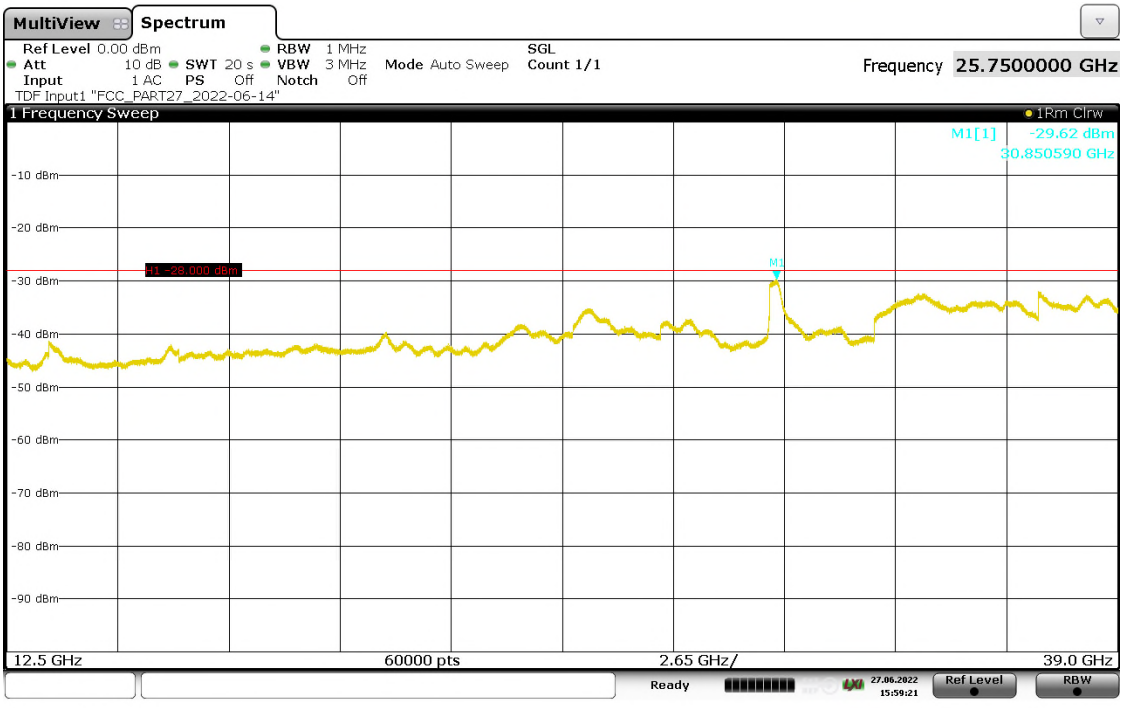


18:40:06 20.06.2022

Figure 244: Conducted Spurious Emission, 9kHz - 39GHz, 1cc-1 (OBW=40MHz), High Channel, QPSK_TM1.1, TX Port 16



15:58:06 27.06.2022



15:59:21 27.06.2022

Table 117: Maximum Conducted Spurious Emission, 1cc-2 (OBW=60MHz), Low Channel

TX Port	Maximum Conducted Spurious Emission [dBm/MHz] for 9kHz - 39GHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
12	-29.87	-30.06	-29.98	-30.09	≤-28
21	-29.98	-30.05	-30.14	-29.86	≤-28
28	**-29.16**	-29.80	-29.99	-30.08	≤-28
29	-30.08	-30.09	-30.00	-30.13	≤-28

Note: The screen capture of the highest emission is shown below.

Table 118: Maximum Conducted Spurious Emission, 1cc-2 (OBW=60MHz), Middle Channel

TX Port	Maximum Conducted Spurious Emission [dBm/MHz] for 9kHz - 39GHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
22	-30.21	-30.40	-30.42	-30.42	≤-28
23	-30.36	-30.25	-30.23	-30.36	≤-28
30	**-30.09**	-30.35	-30.25	-30.18	≤-28
31	-30.29	-30.25	-30.26	-30.36	≤-28

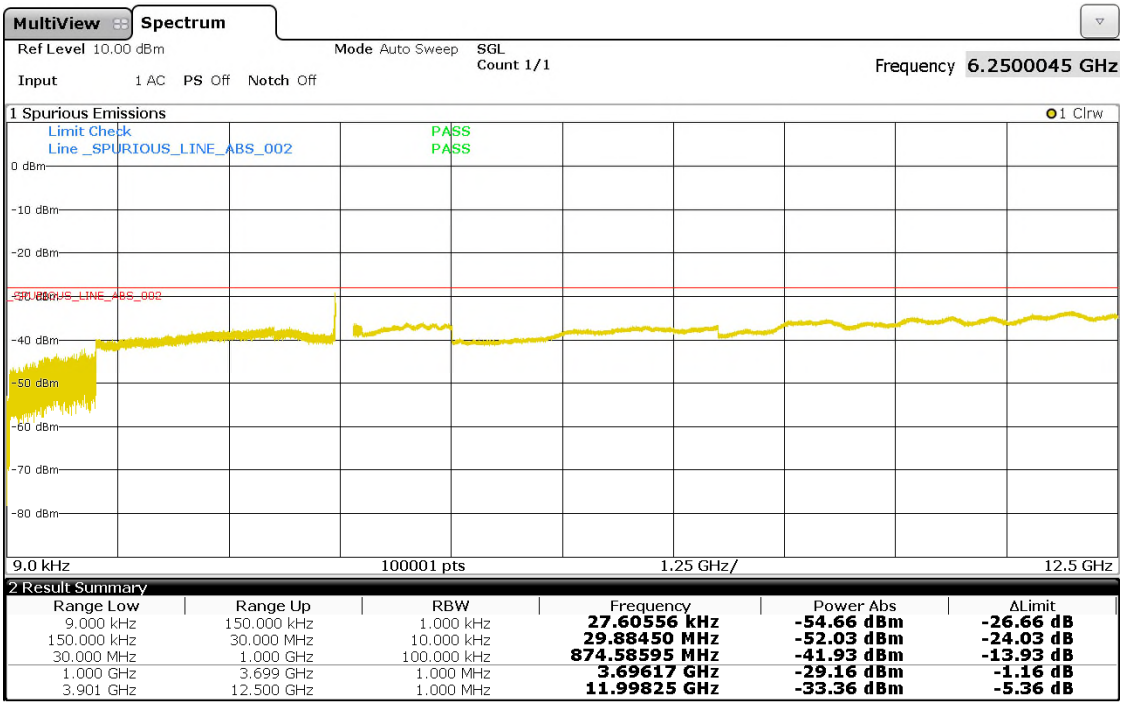
Note: The screen capture of the highest emission is shown below.

Table 119: Maximum Conducted Spurious Emission, 1cc-2 (OBW=60MHz), High Channel

TX Port	Maximum Conducted Spurious Emission [dBm/MHz] for 9kHz - 39GHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
16	-29.77	-29.84	-29.82	-29.68	≤-28
17	-29.78	-29.78	-29.72	-29.80	≤-28
24	-29.76	-29.73	-29.76	-29.64	≤-28
25	-29.85	-29.65	**-29.59**	-29.66	≤-28

Note: The screen capture of the highest emission is shown below.

Figure 245: Conducted Spurious Emission, 9kHz - 39GHz, 1cc-2 (OBW=60MHz), Low Channel, QPSK_TM1.1, TX Port 28



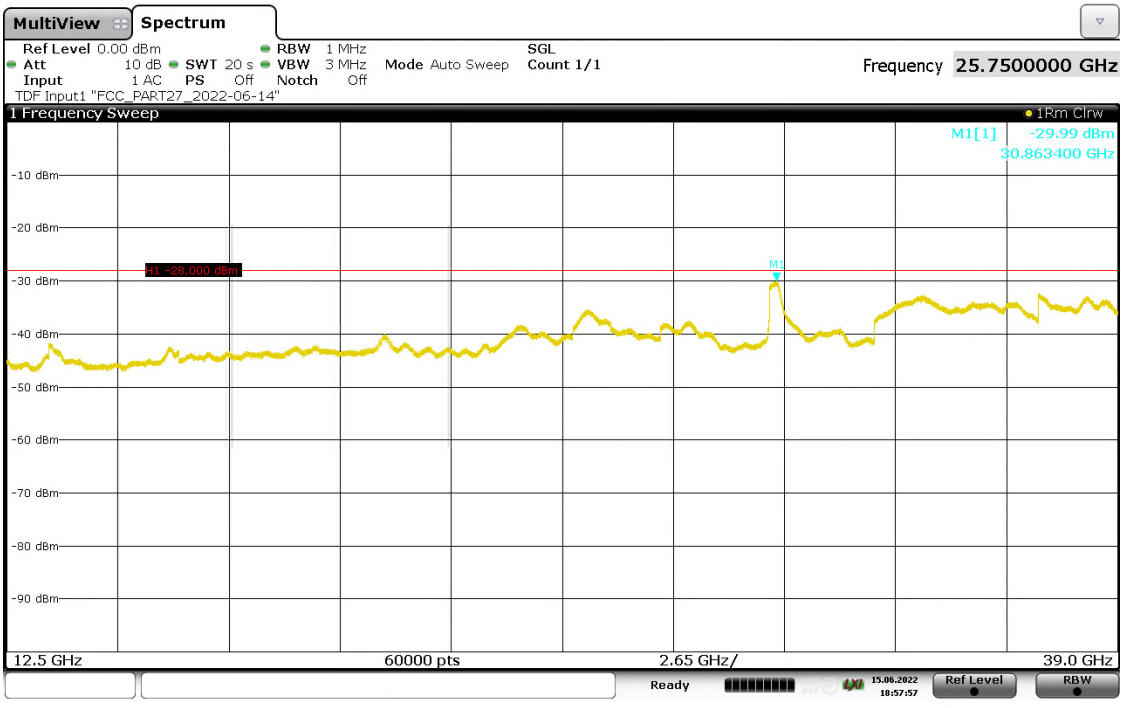
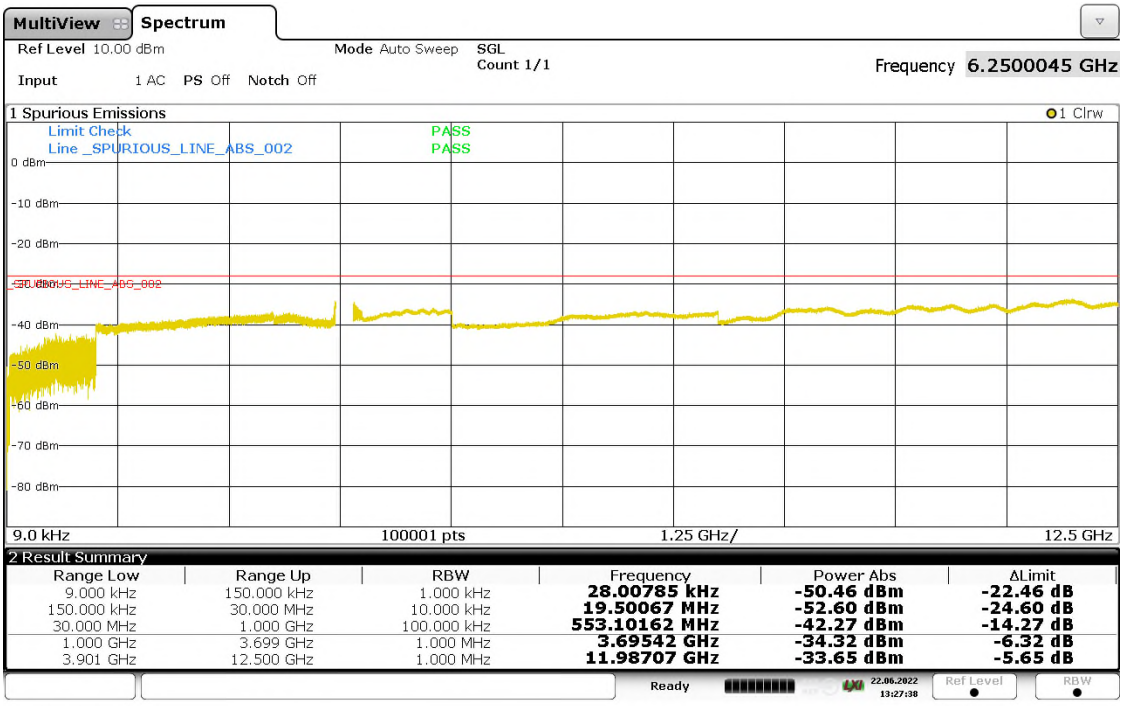
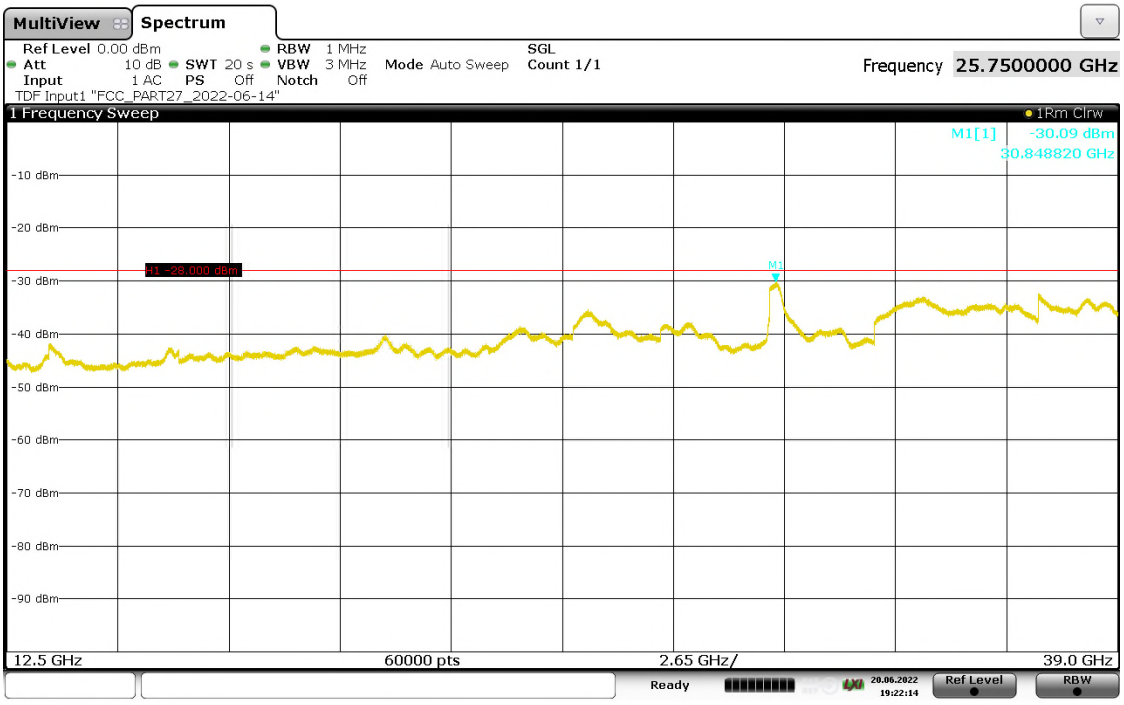


Figure 246: Conducted Spurious Emission, 9kHz - 39GHz, 1cc-2 (OBW=60MHz), Middle Channel, QPSK_TM1.1, TX Port 30

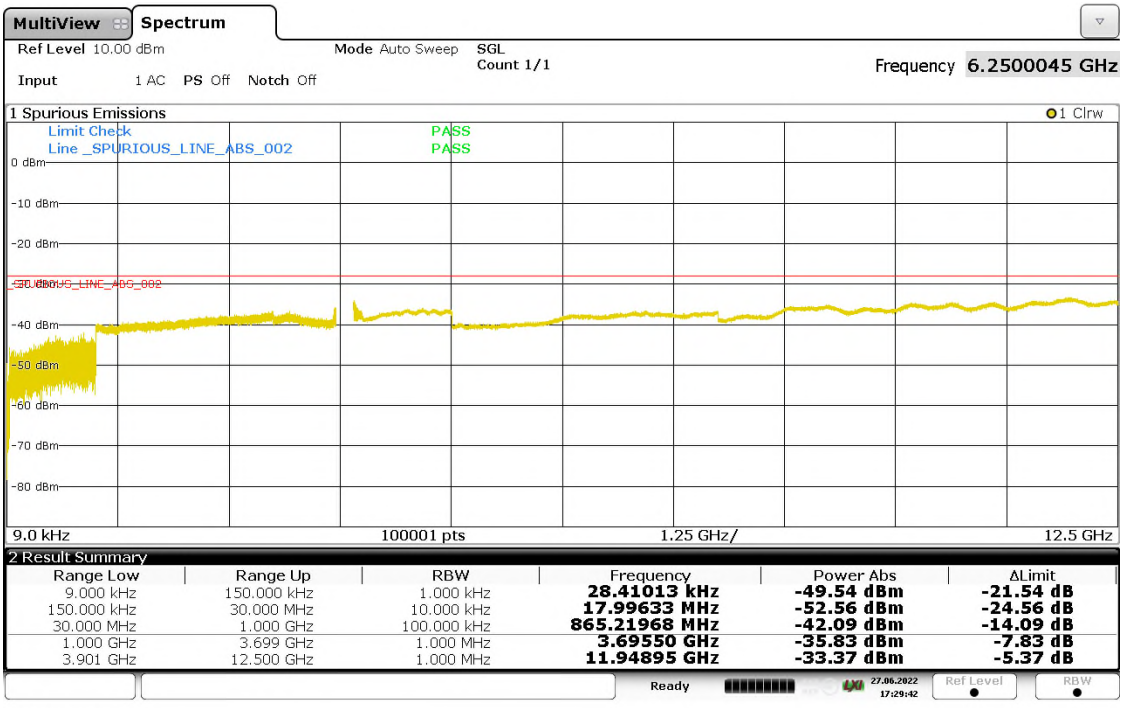


13:27:39 22.06.2022

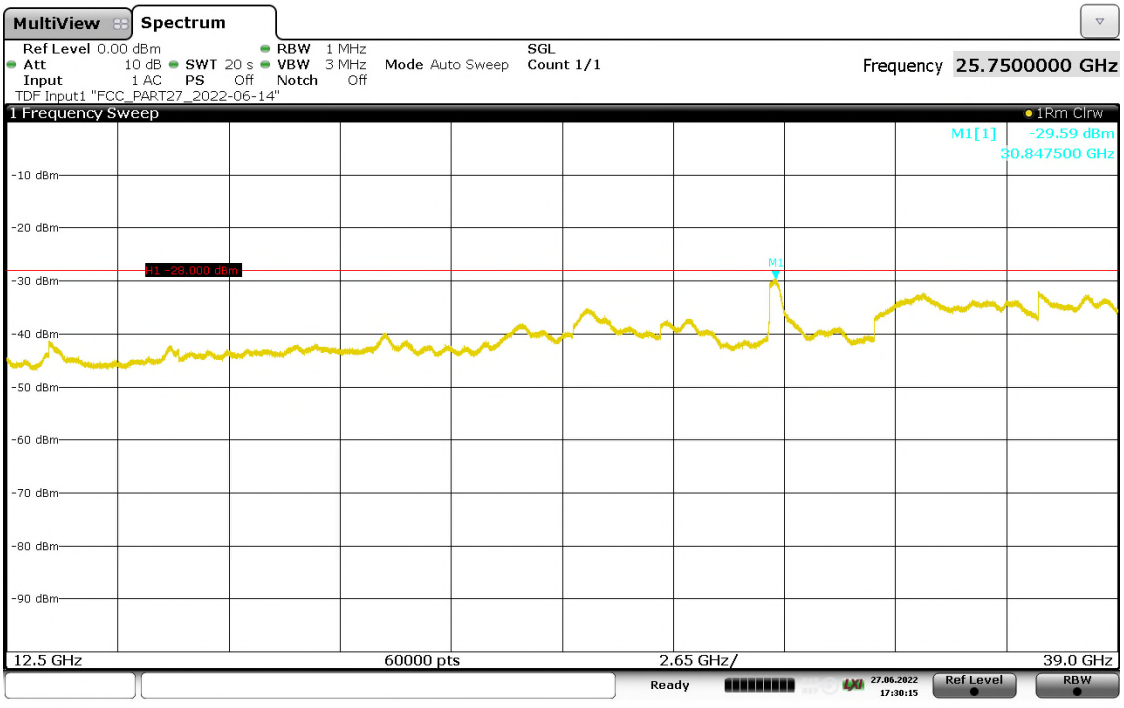


19:22:15 20.06.2022

Figure 247: Conducted Spurious Emission, 9kHz - 39GHz, 1cc-2 (OBW=60MHz), High Channel, 64QAM_TM3.1, TX Port 25



17:29:43 27.06.2022



17:30:15 27.06.2022

Table 120: Maximum Conducted Spurious Emission, 1cc-3 (OBW=80MHz), Low Channel

TX Port	Maximum Conducted Spurious Emission [dBm/MHz] for 9kHz - 39GHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
12	-29.93	-30.15	-30.16	-29.97	≤-28
21	-29.96	-30.13	-30.11	-30.26	≤-28
28	-29.94	**-29.93**	-30.07	-30.10	≤-28
29	-30.04	-30.17	-30.10	-30.13	≤-28

Note: The screen capture of the highest emission is shown below.

Table 121: Maximum Conducted Spurious Emission, 1cc-3 (OBW=80MHz), Middle Channel

TX Port	Maximum Conducted Spurious Emission [dBm/MHz] for 9kHz - 39GHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
22	-30.05	**-29.99**	-30.24	-30.06	≤-28
23	-30.22	-30.21	-30.29	-30.10	≤-28
30	-30.39	-30.23	-30.76	-30.28	≤-28
31	-30.35	-30.34	-30.42	-30.24	≤-28

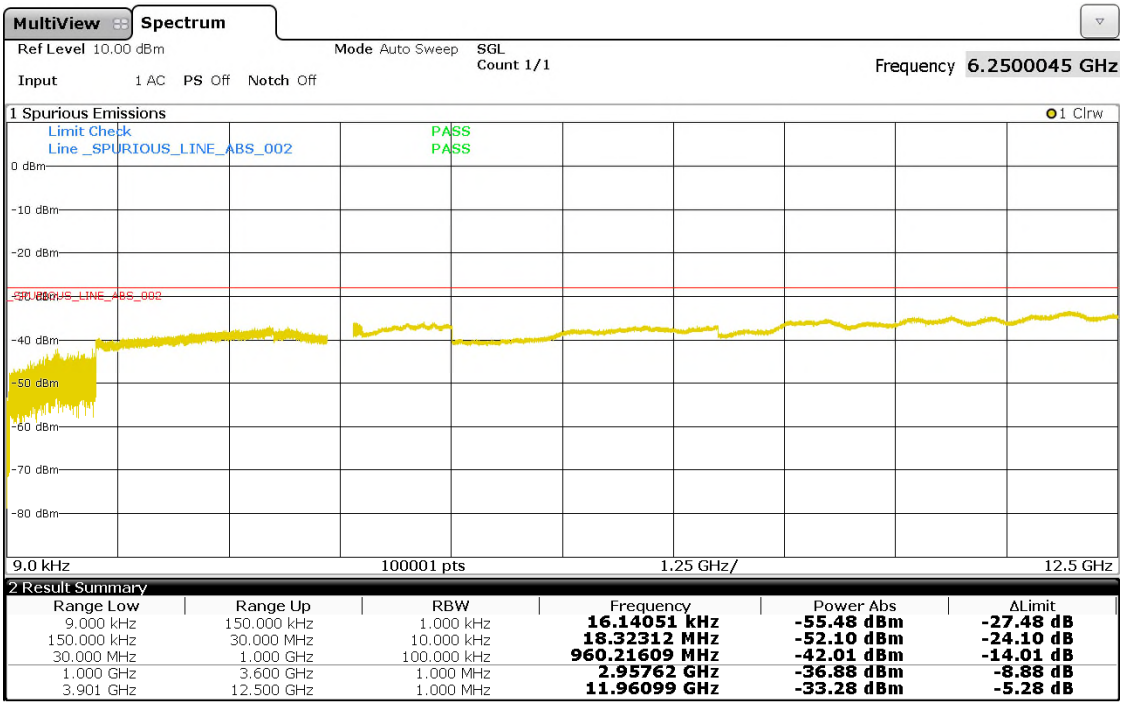
Note: The screen capture of the highest emission is shown below.

Table 122: Maximum Conducted Spurious Emission, 1cc-3 (OBW=80MHz), High Channel

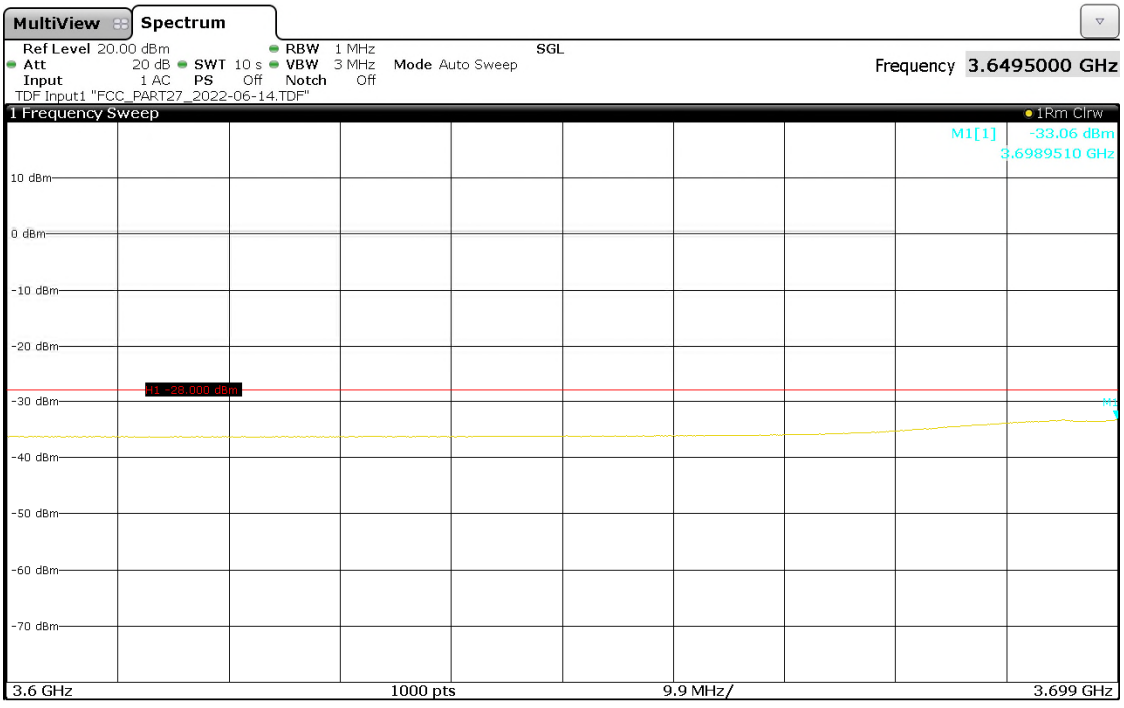
TX Port	Maximum Conducted Spurious Emission [dBm/MHz] for 9kHz - 39GHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
16	-29.73	-29.68	-29.74	-29.56	≤-28
17	**-29.50**	-29.56	-29.71	-29.74	≤-28
24	-29.74	-29.78	-29.80	-29.68	≤-28
25	-29.55	-29.78	-29.85	-29.74	≤-28

Note: The screen capture of the highest emission is shown below.

Figure 248: Conducted Spurious Emission, 9kHz - 39GHz, 1cc-3 (OBW=80MHz), Low Channel, 16QAM_TM3.2, TX Port 28



19:16:42 23.06.2022



19:17:09 23.06.2022

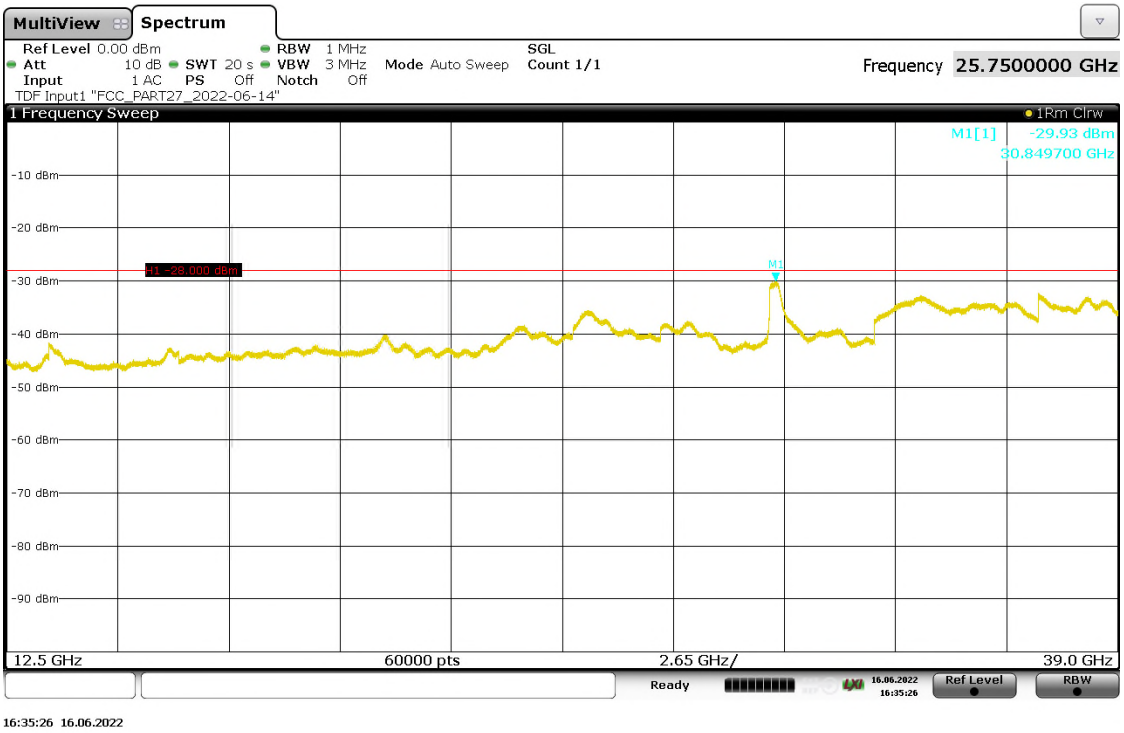
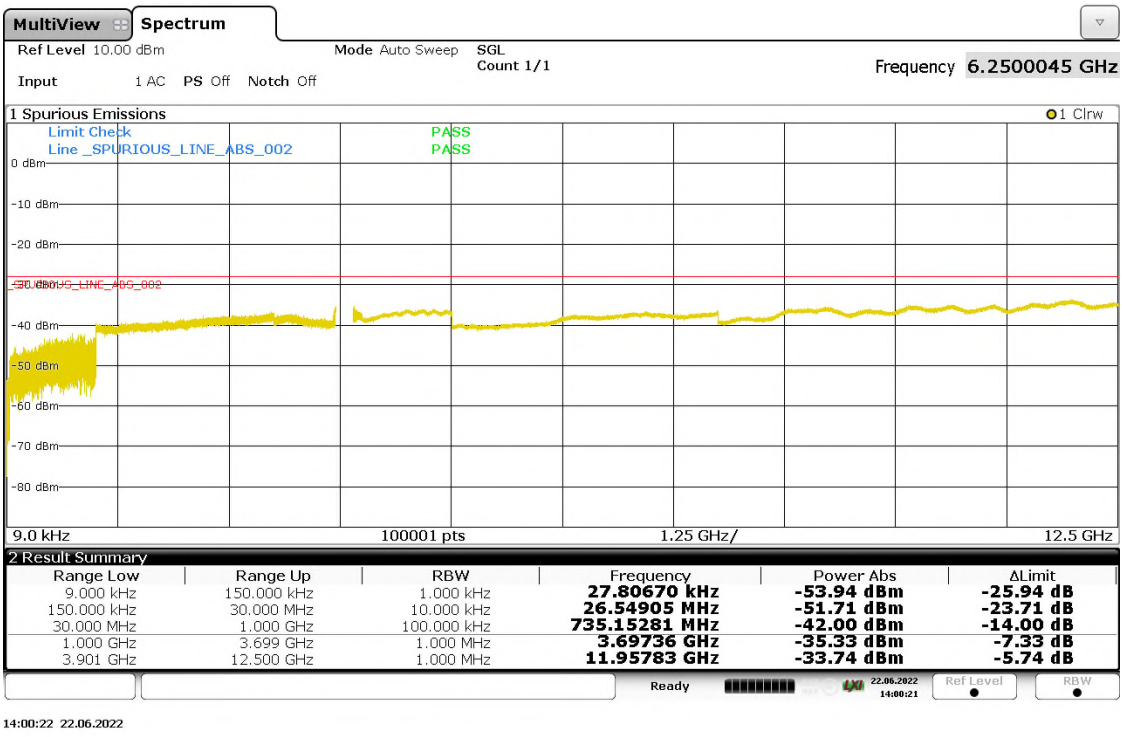


Figure 249: Conducted Spurious Emission, 9kHz - 39GHz, 1cc-3 (OBW=80MHz), Middle Channel, 16QAM_TM3.2, TX Port 22



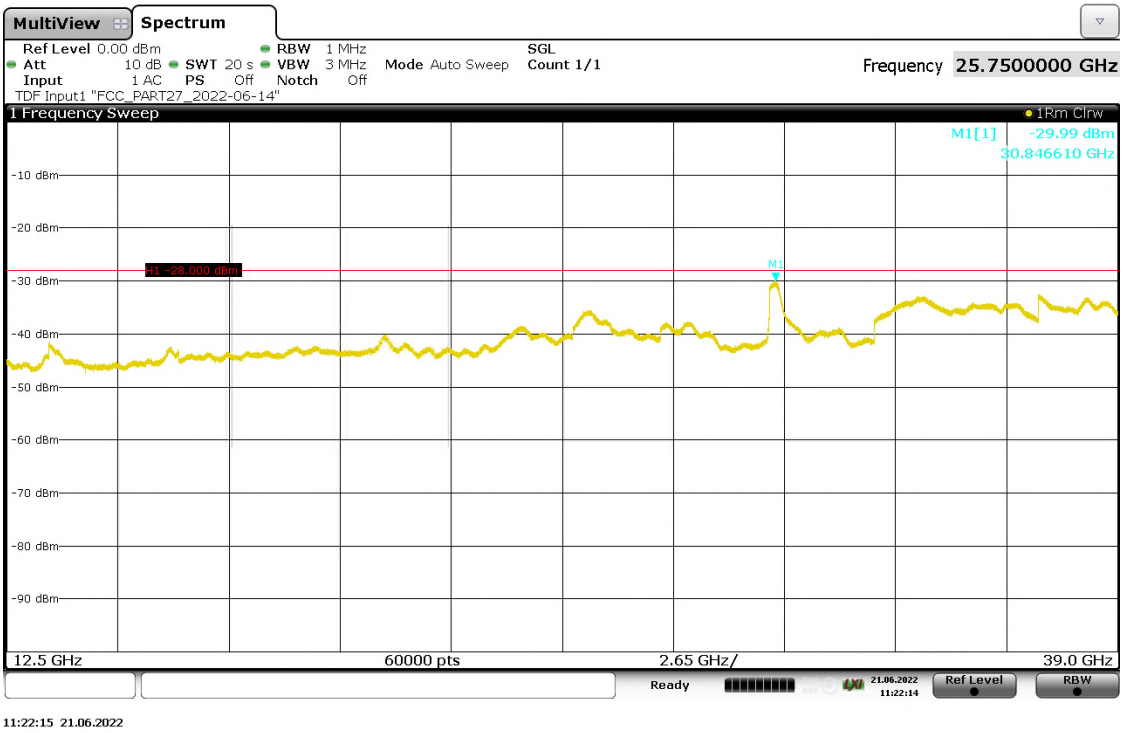
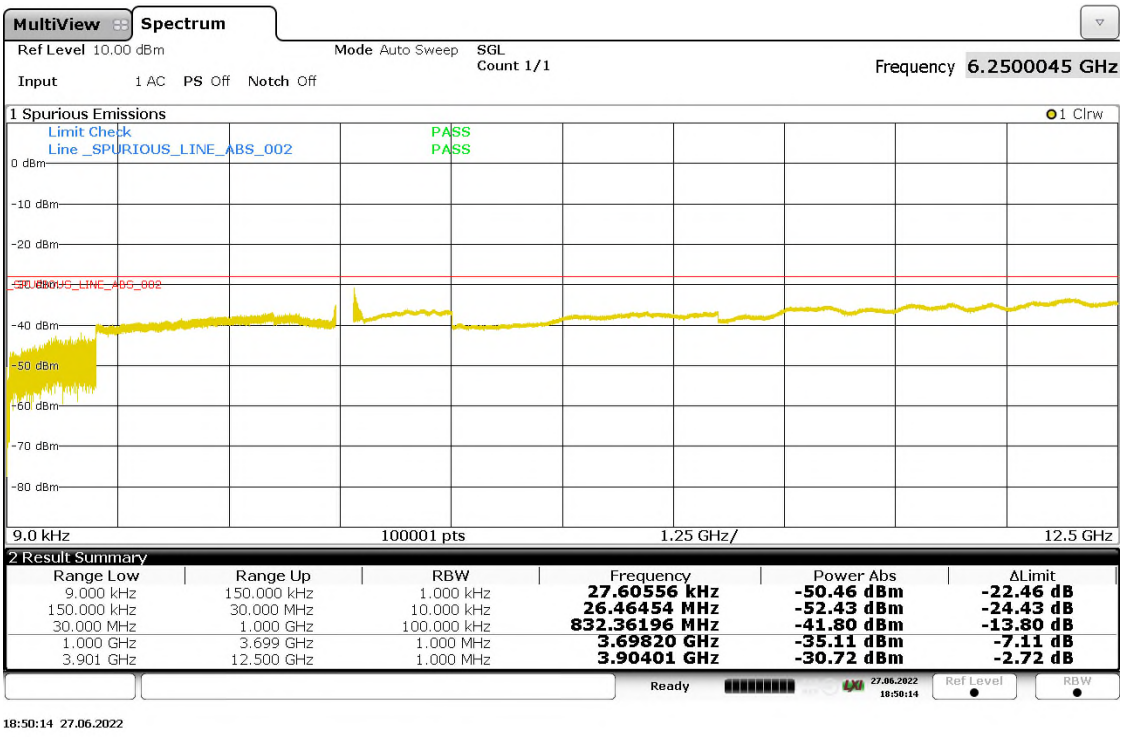


Figure 250: Conducted Spurious Emission, 9kHz - 39GHz, 1cc-3 (OBW=80MHz), High Channel, QPSK_TM1.1, TX Port 17



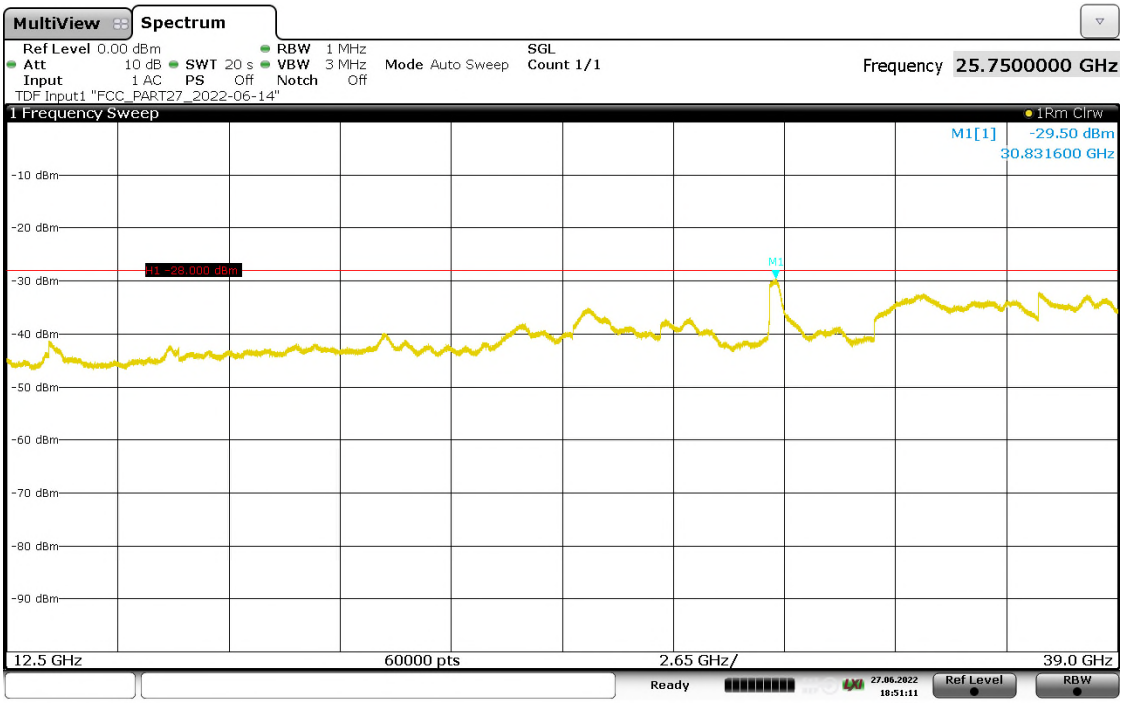

MultiView
Spectrum
Ref Level 0.00 dBm
RBW 1 MHz
SGL
Att 10 dB
SWT 20 s
VBW 3 MHz
Mode Auto Sweep
Count 1/1
Frequency 25.7500000 GHz
Input 1 AC
PS Off
Notch Off
TDF Input1 "FCC_PART27_2022-06-14"
1 Frequency Sweep
1Rm Clrw
M1[1] -29.50 dBm
30.831600 GHz
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
-90 dBm
H1 -28.000 dBm
M1
12.5 GHz
60000 pts
2.65 GHz/
39.0 GHz
Ready
27.06.2022
18:51:11
Ref Level
RBW
18:51:12 27.06.2022

Table 123: Maximum Conducted Spurious Emission, 1cc-4 (OBW=100MHz), Low Channel

TX Port	Maximum Conducted Spurious Emission [dBm/MHz] for 9kHz - 39GHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
12	-30.06	-30.08	**-29.94**	-30.09	≤-28
21	-30.07	-30.26	-30.21	-30.03	≤-28
28	-30.20	-30.05	-30.15	-30.19	≤-28
29	-30.12	-30.02	-30.16	-30.08	≤-28

Note: The screen capture of the highest emission is shown below.

Table 124: Maximum Conducted Spurious Emission, 1cc-4 (OBW=100MHz), Middle Channel

TX Port	Maximum Conducted Spurious Emission [dBm/MHz] for 9kHz - 39GHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
22	-30.47	-30.49	-30.47	-30.26	≤-28
23	-30.28	-30.42	-30.28	-30.36	≤-28
30	-30.45	-30.45	-30.35	**-30.10**	≤-28
31	-30.21	-30.43	-30.39	-30.32	≤-28

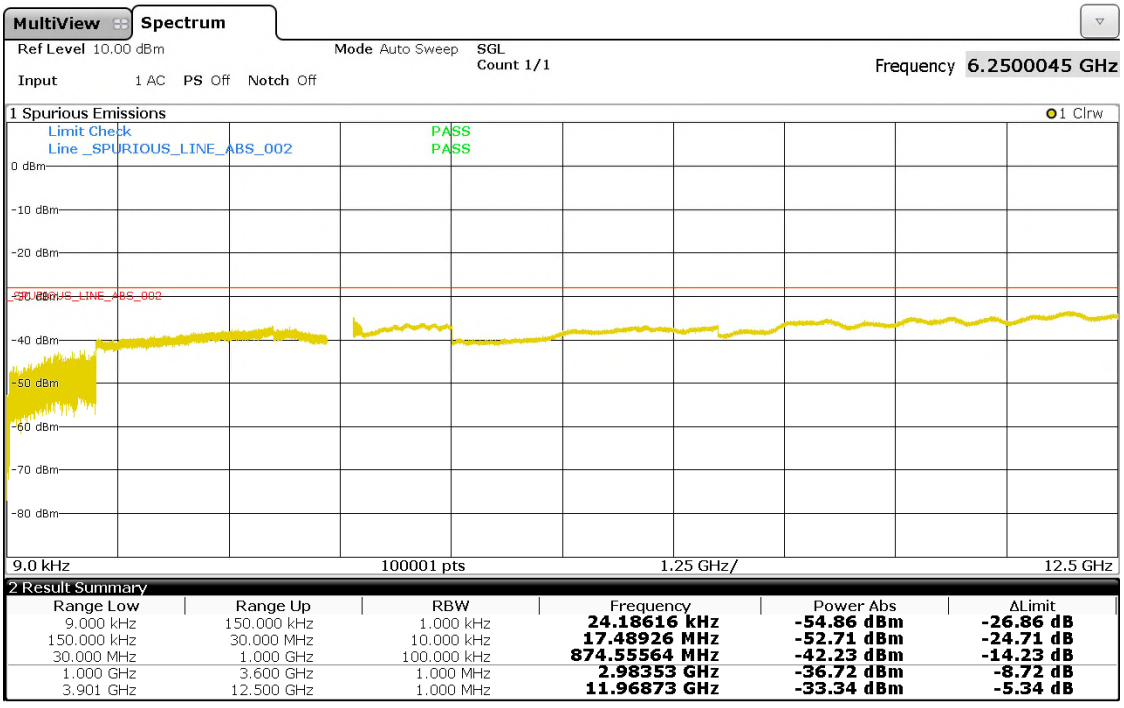
Note: The screen capture of the highest emission is shown below.

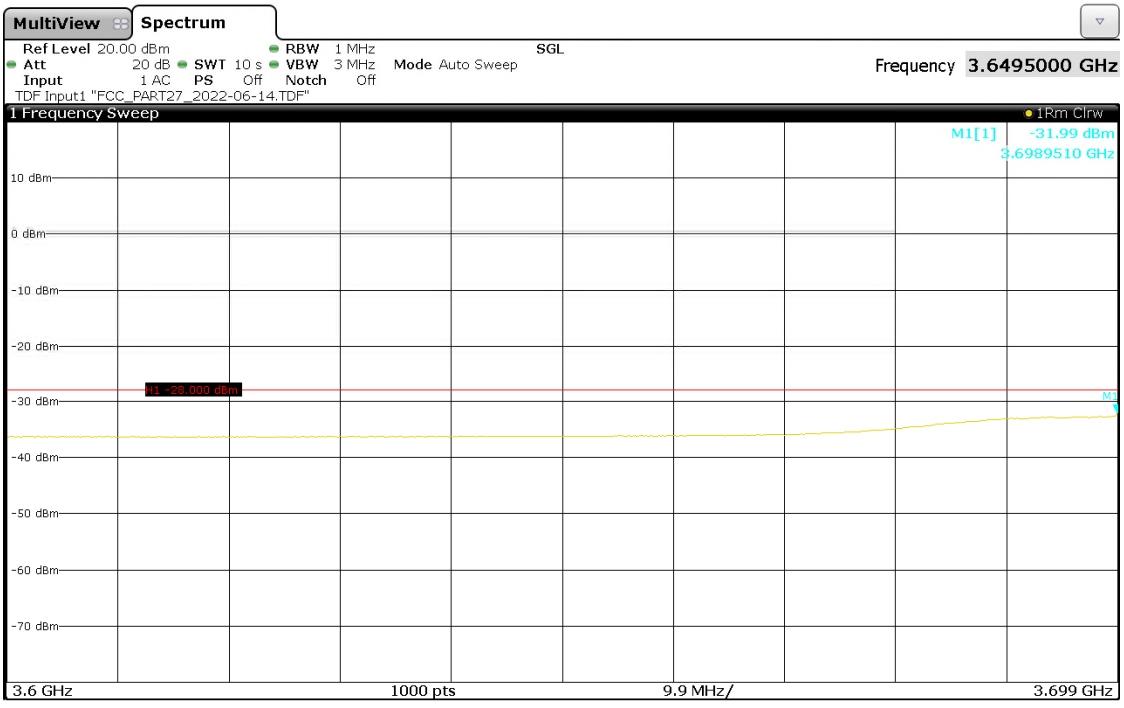
Table 125: Maximum Conducted Spurious Emission, 1cc-4 (OBW=100MHz), High Channel

TX Port	Maximum Conducted Spurious Emission [dBm/MHz] for 9kHz - 39GHz				Limit [dBm/MHz]
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a	
16	-29.65	-29.91	-29.85	-29.97	≤-28
17	-29.88	-29.77	-29.79	-29.81	≤-28
24	**-29.10**	-29.56	-29.12	-29.82	≤-28
25	-29.69	-29.73	-29.81	-29.81	≤-28

Note: The screen capture of the highest emission is shown below.

Figure 251: Conducted Spurious Emission, 9kHz - 39GHz, 1cc-4 (OBW=100MHz), Low Channel, 64QAM_TM3.1, TX Port 12





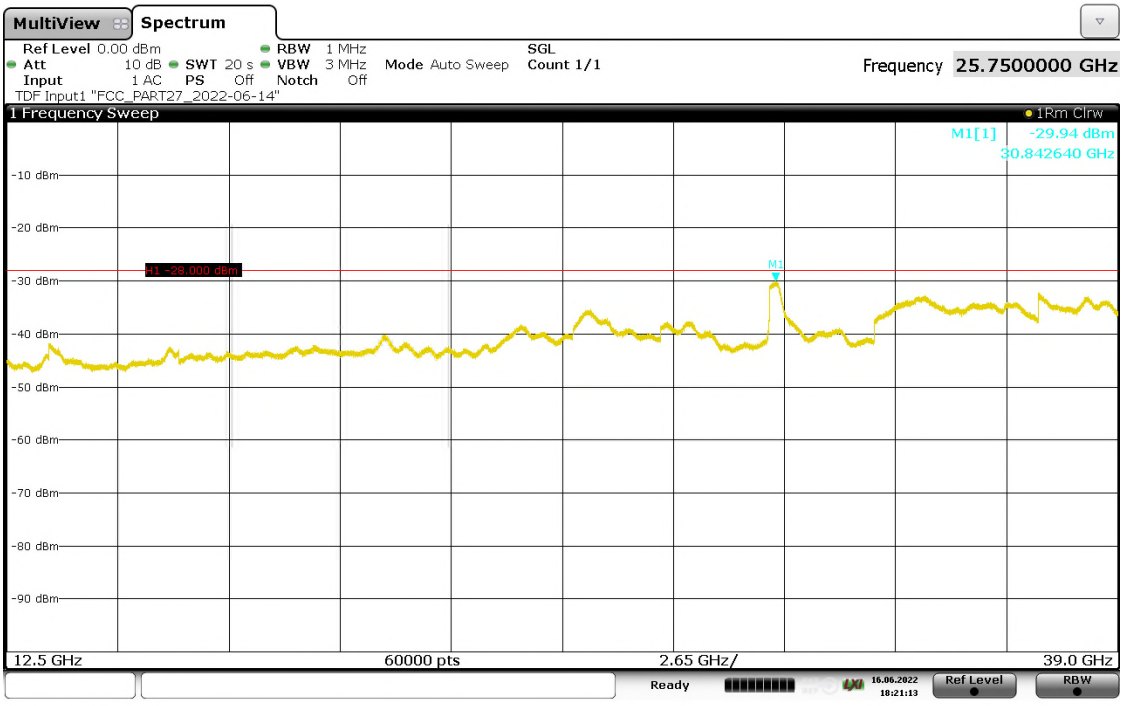


Figure 252: Conducted Spurious Emission, 9kHz - 39GHz, 1cc-4 (OBW=100MHz), Middle Channel, 256QAM_TM3.1a, TX Port 30