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Table 87: 99% Occupied Bandwidth, 1cc-4 (OBW=100MHz), High Channel

TX Port	99% Occupied Bandwidth [MHz]			
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a
17	97.375	97.547	97.341	97.275
25	97.400	97.567	97.286	97.269

Figure 138: 99% Occupied Bandwidth, 1cc-4 (OBW=100MHz), QPSK_TM1.1, High Channel, TX Port 17

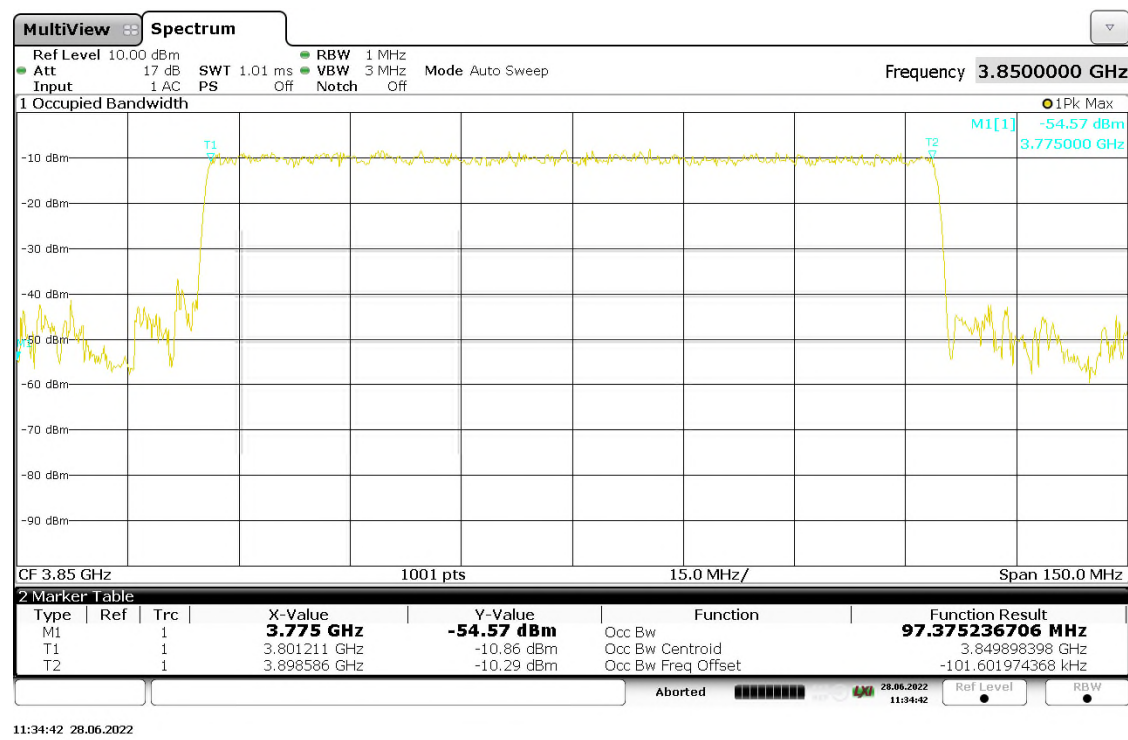


Figure 139: 99% Occupied Bandwidth, 1cc-4 (OBW=100MHz), QPSK_TM1.1, High Channel, TX Port 25

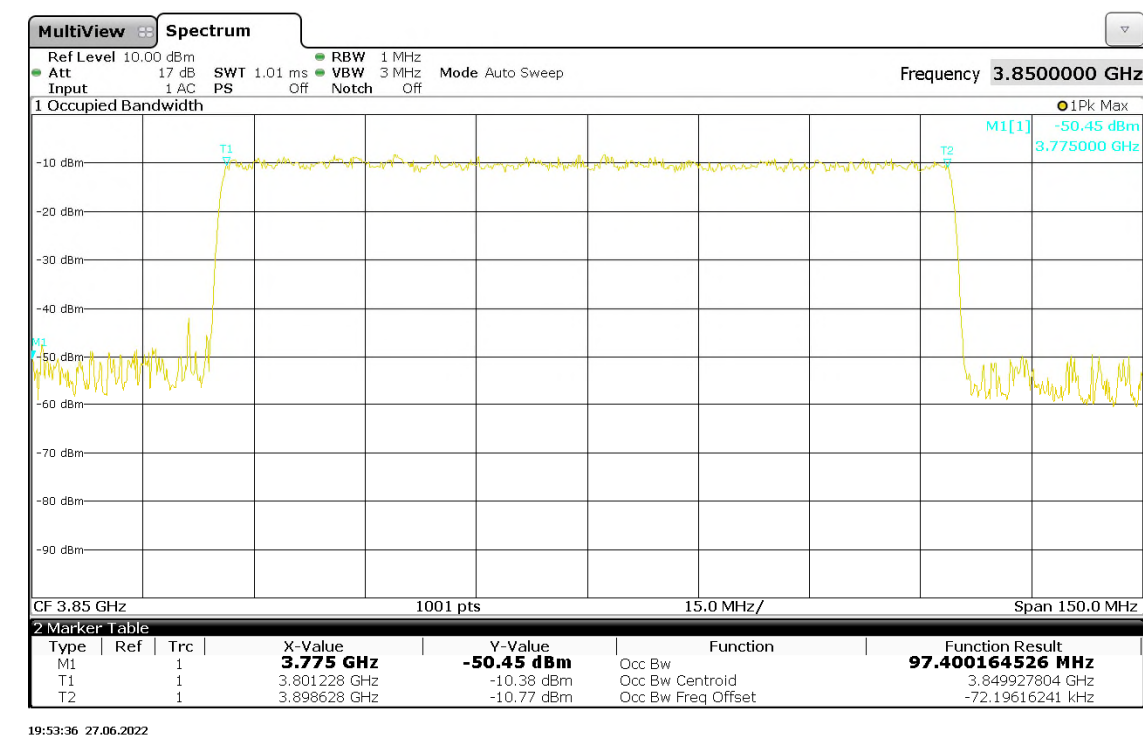


Figure 140: 99% Occupied Bandwidth, 1cc-4 (OBW=100MHz), 16QAM_TM3.2, High Channel, TX Port 17

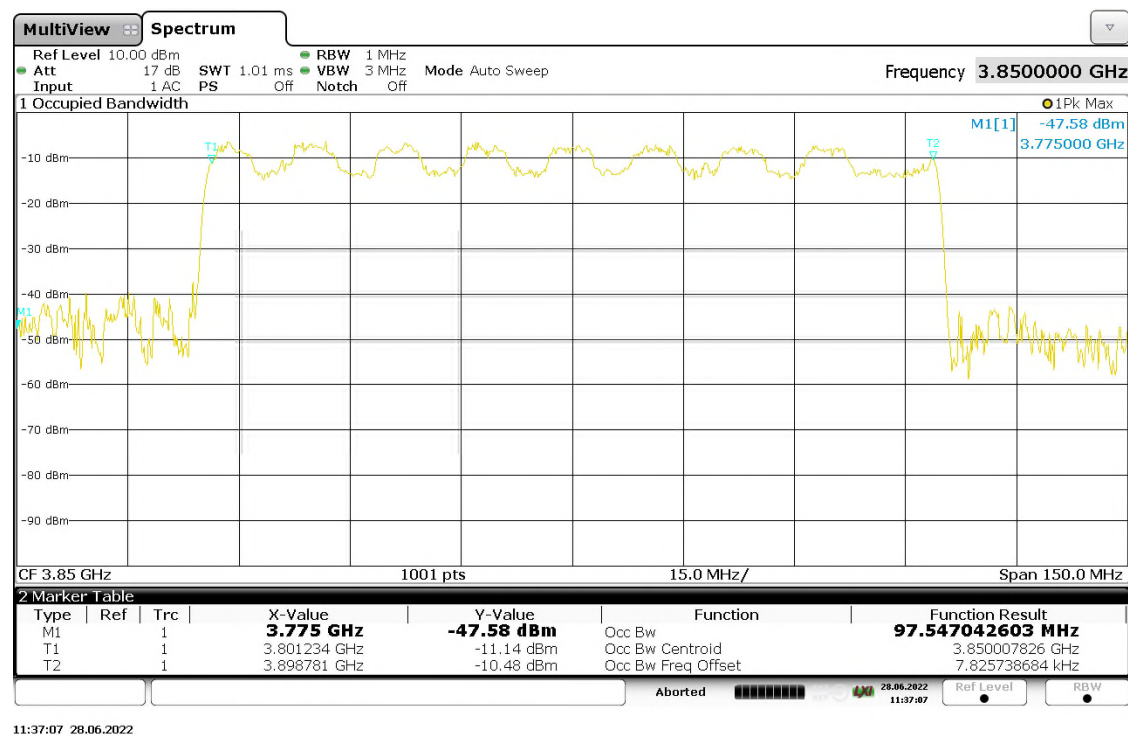


Figure 141: 99% Occupied Bandwidth, 1cc-4 (OBW=100MHz), 16QAM_TM3.2, High Channel, TX Port 25

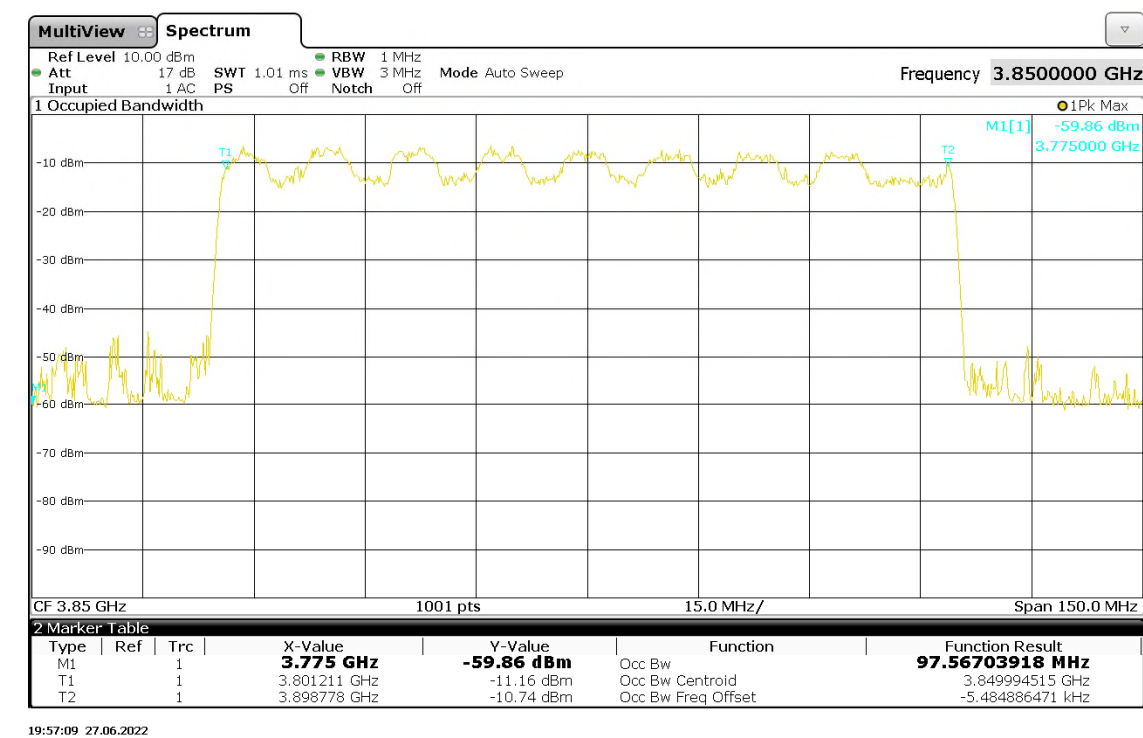


Figure 142: 99% Occupied Bandwidth, 1cc-4 (OBW=100MHz), 64QAM_TM3.1, High Channel, TX Port 17

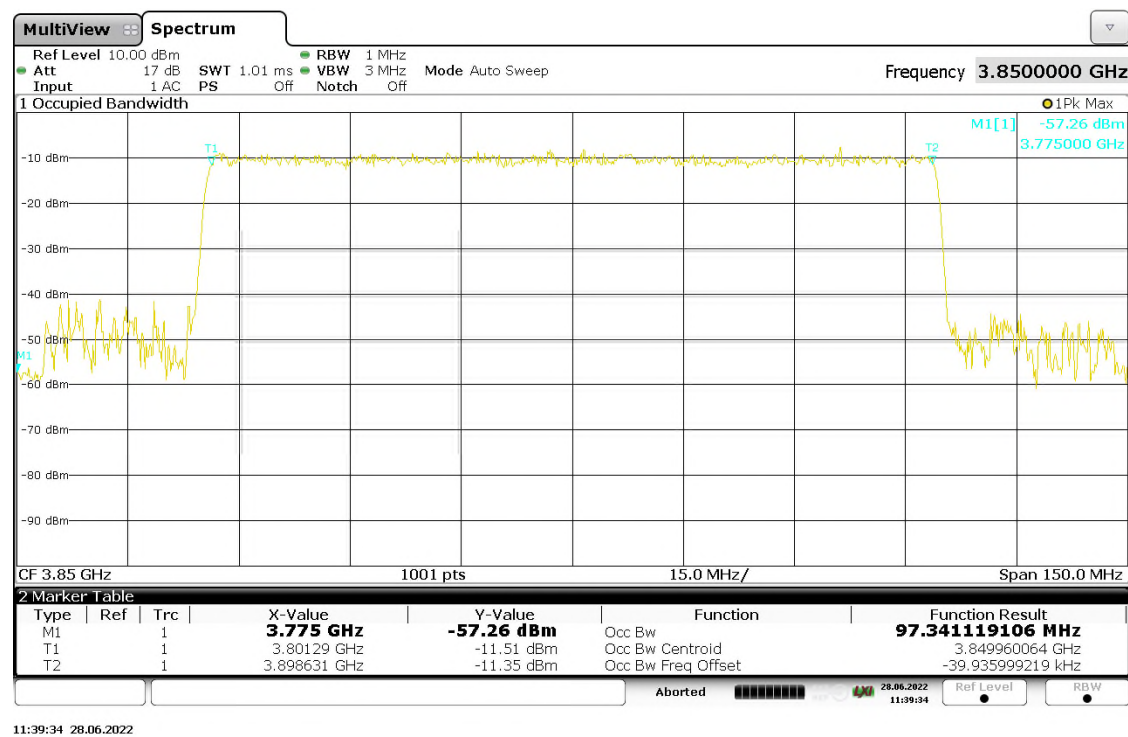


Figure 143: 99% Occupied Bandwidth, 1cc-4 (OBW=100MHz), 64QAM_TM3.1, High Channel, TX Port 25

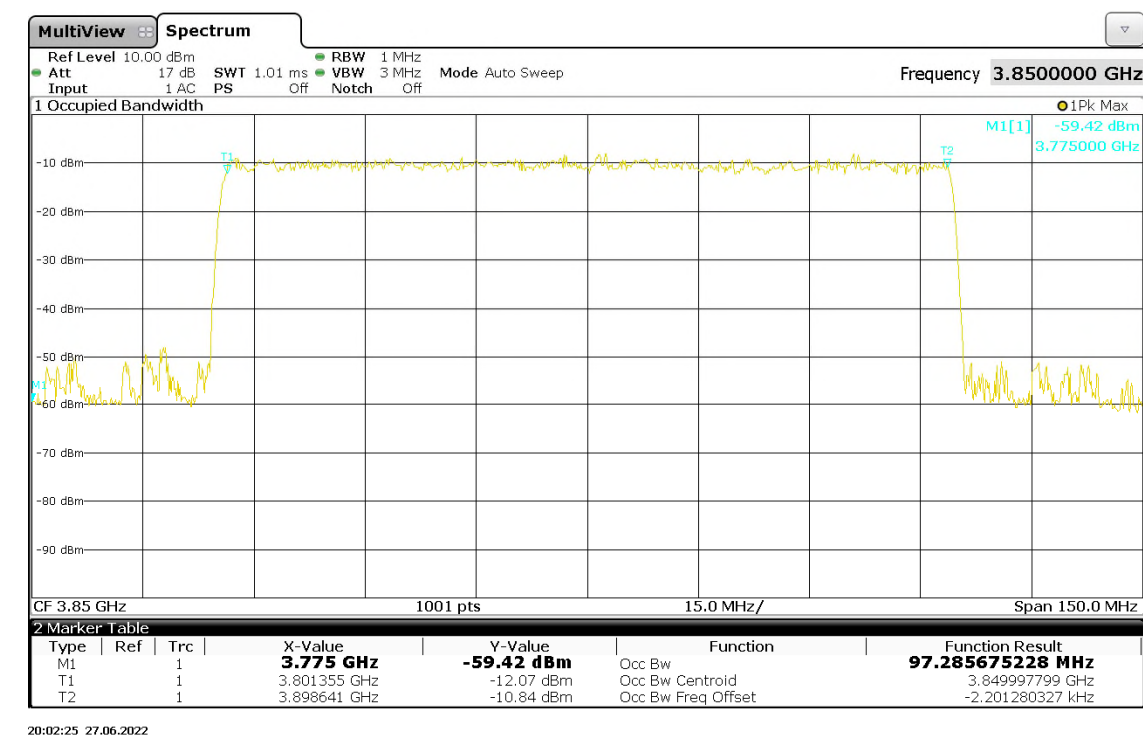


Figure 144: 99% Occupied Bandwidth, 1cc-4 (OBW=100MHz), 256QAM_TM3.1a, High Channel, TX Port 17

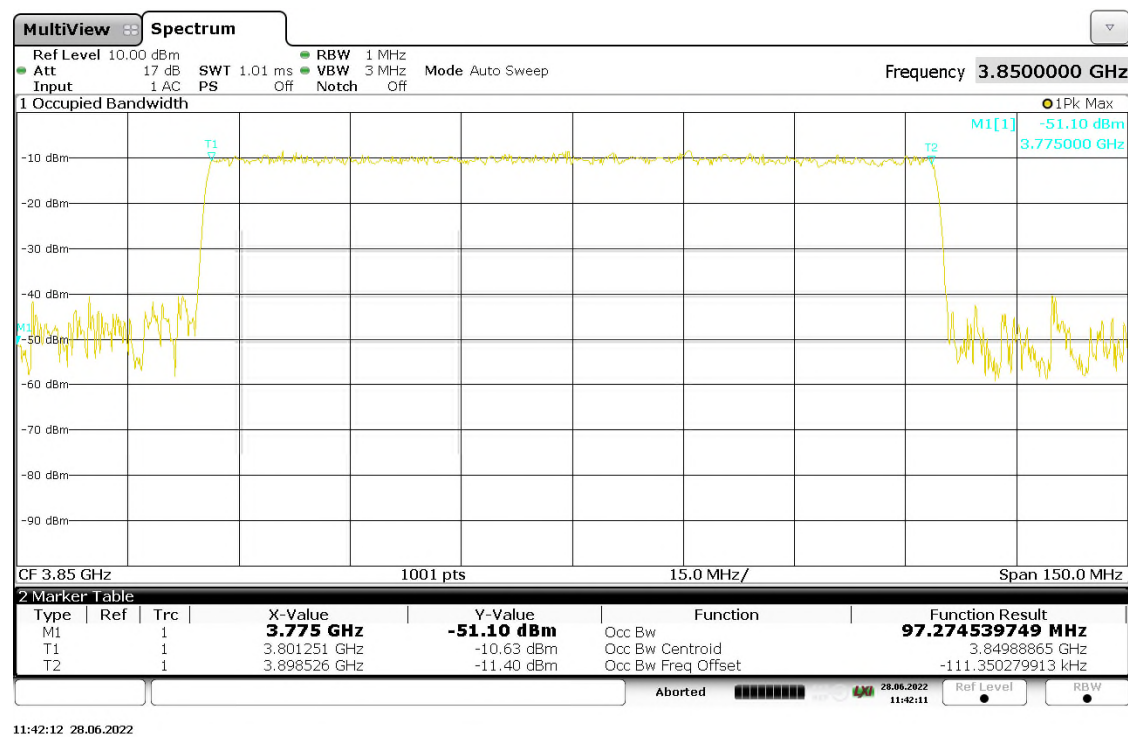
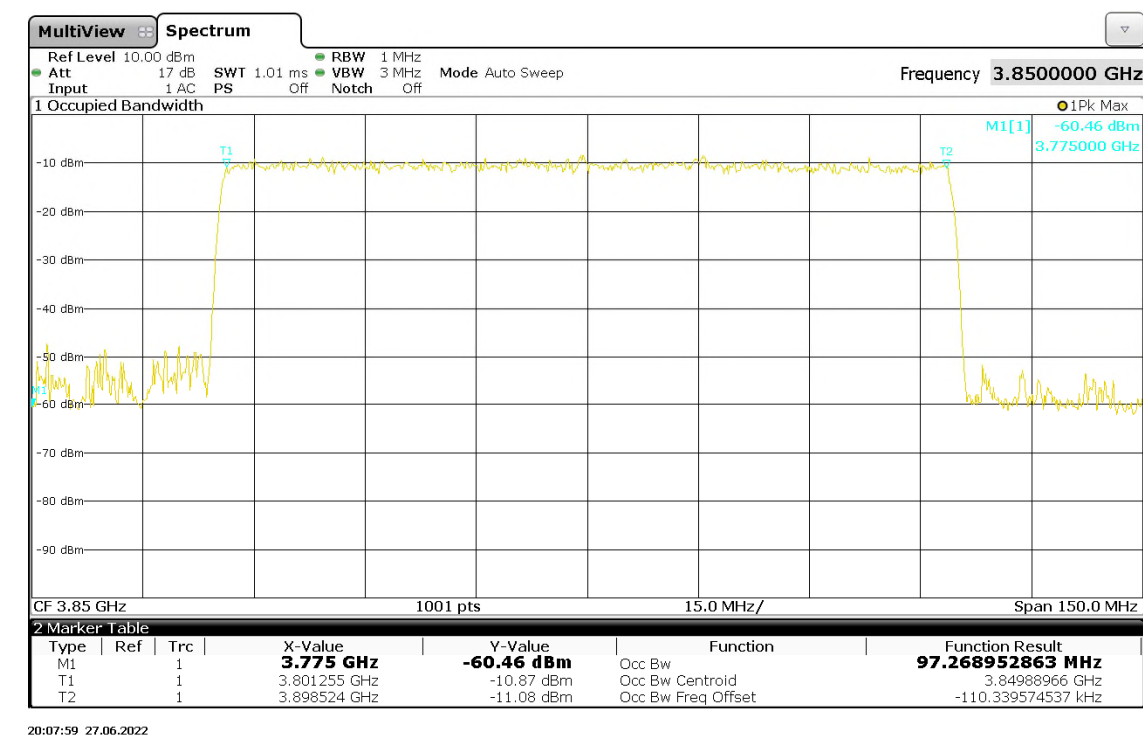


Figure 145: 99% Occupied Bandwidth, 1cc-4 (OBW=100MHz), 256QAM_TM3.1a, High Channel, TX Port 25



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Table 88: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), Low Channel

TX Port	99% Occupied Bandwidth [MHz]			
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a
12	77.449	77.586	77.375	77.391
28	77.462	77.591	77.324	77.370

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Figure 146: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), QPSK_TM1.1, Low Channel, TX Port 12

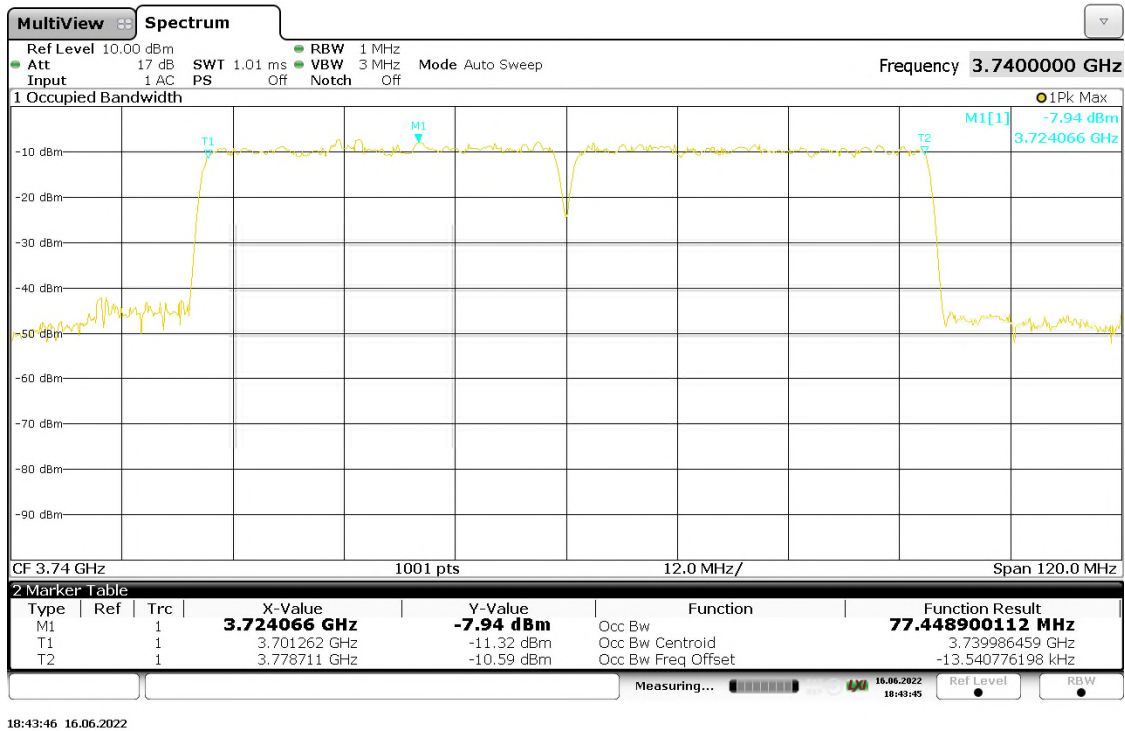


Figure 147: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), QPSK_TM1.1, Low Channel, TX Port 28

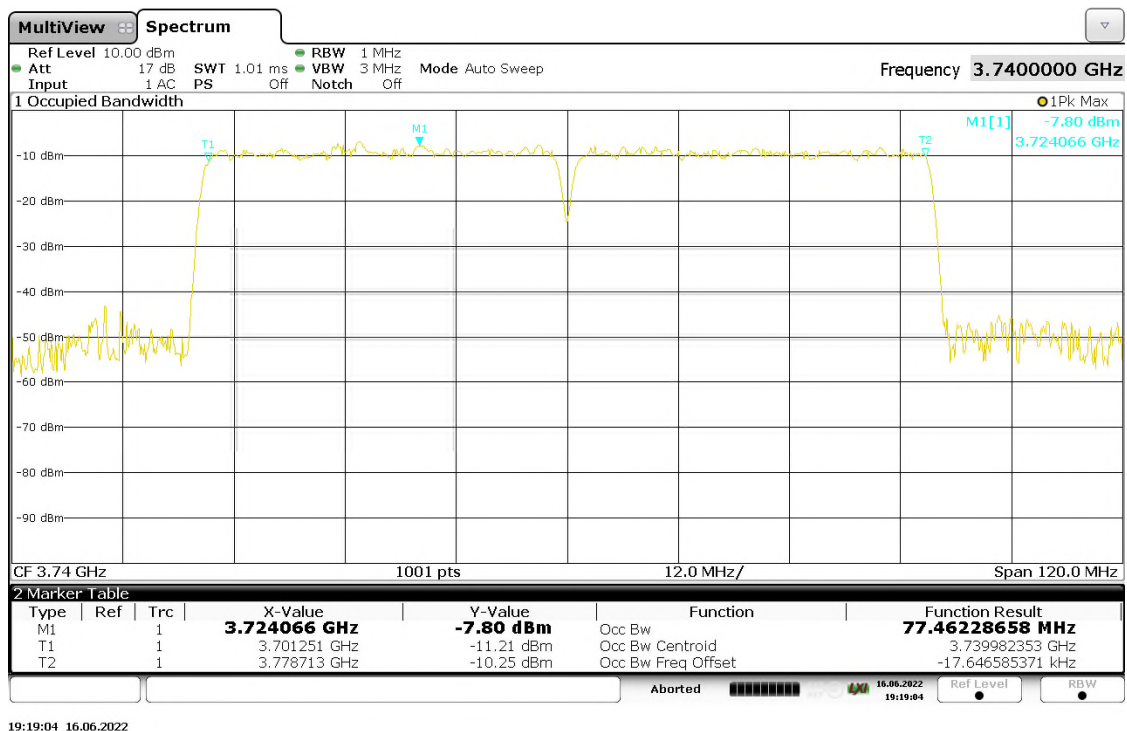


Figure 148: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), 16QAM_TM3.2, Low Channel, TX Port 12

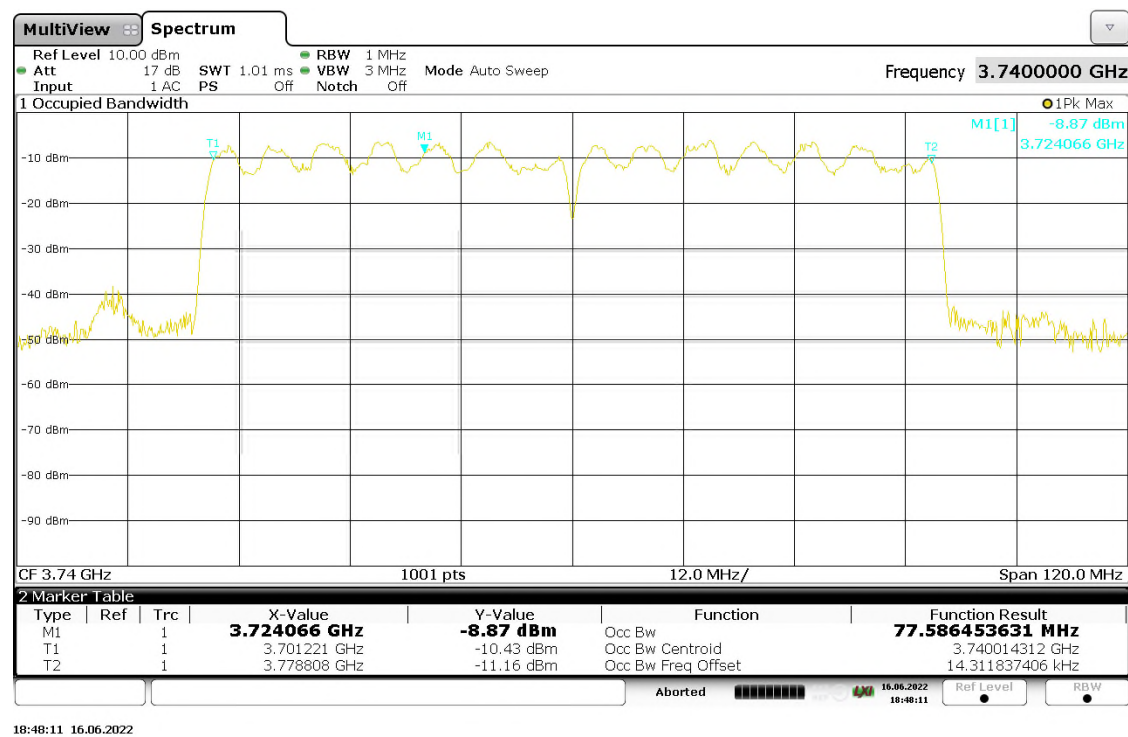
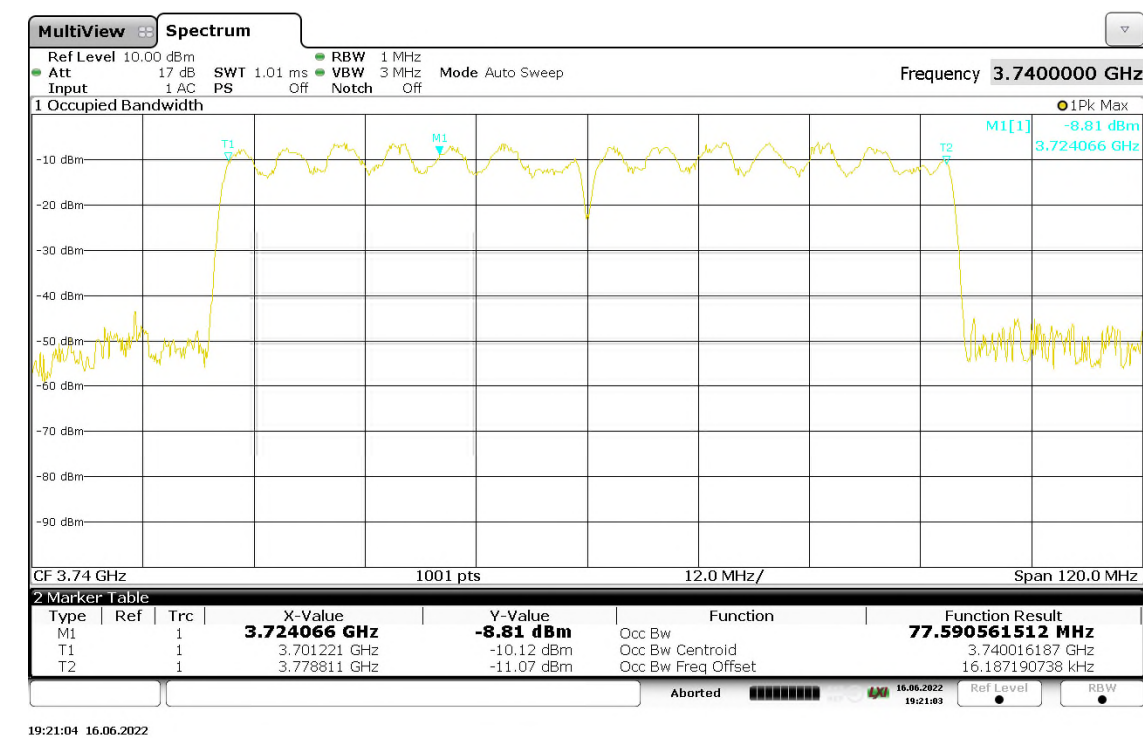


Figure 149: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), 16QAM_TM3.2, Low Channel, TX Port 28



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Figure 150: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), 64QAM_TM3.1, Low Channel, TX Port 12

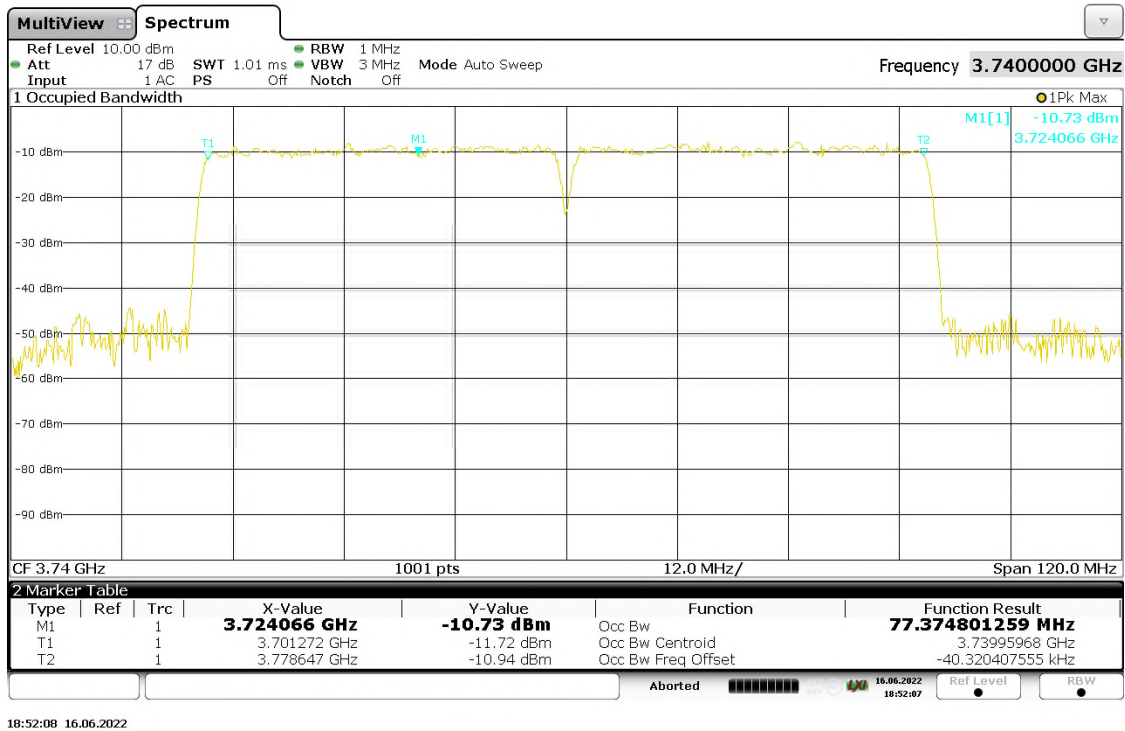
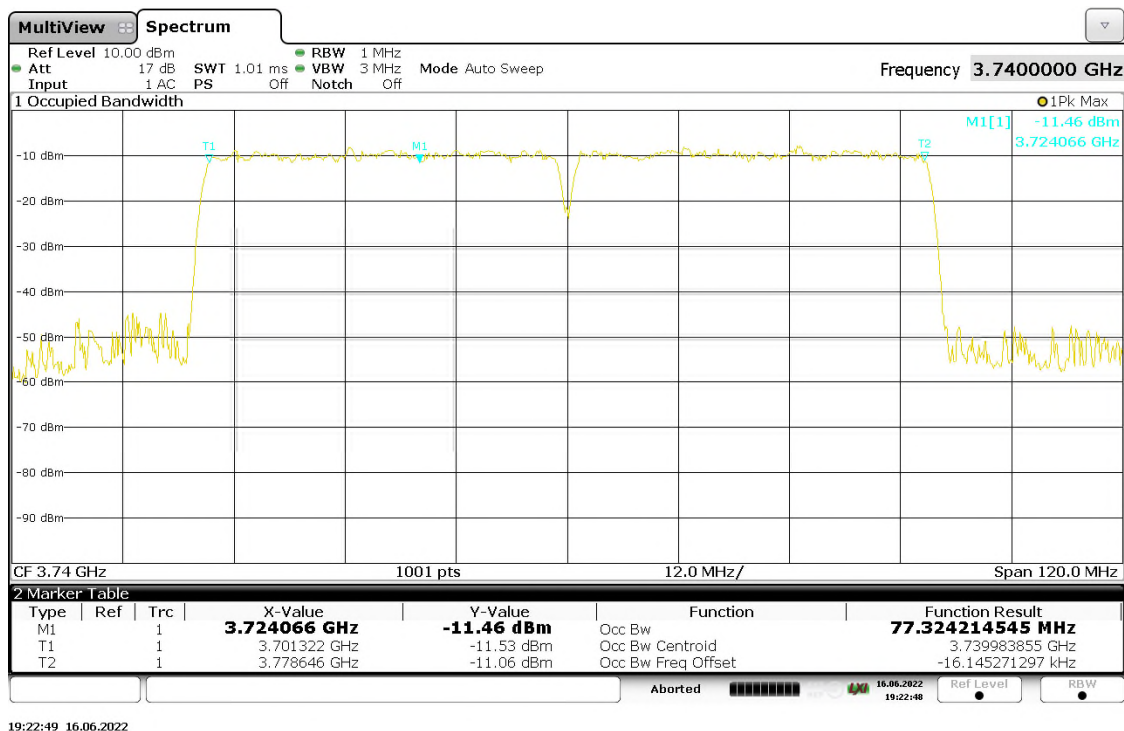


Figure 151: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), 64QAM_TM3.1, Low Channel, TX Port 28



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Figure 152: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), 256QAM_TM3.1a, Low Channel, TX Port 12

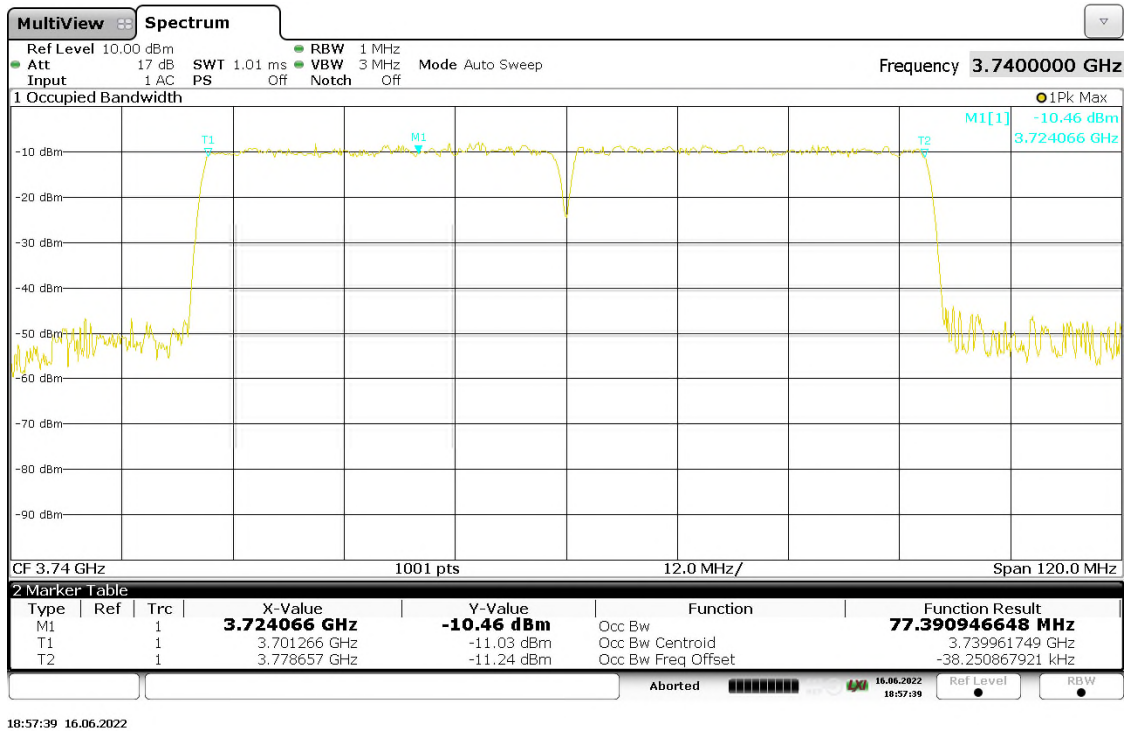
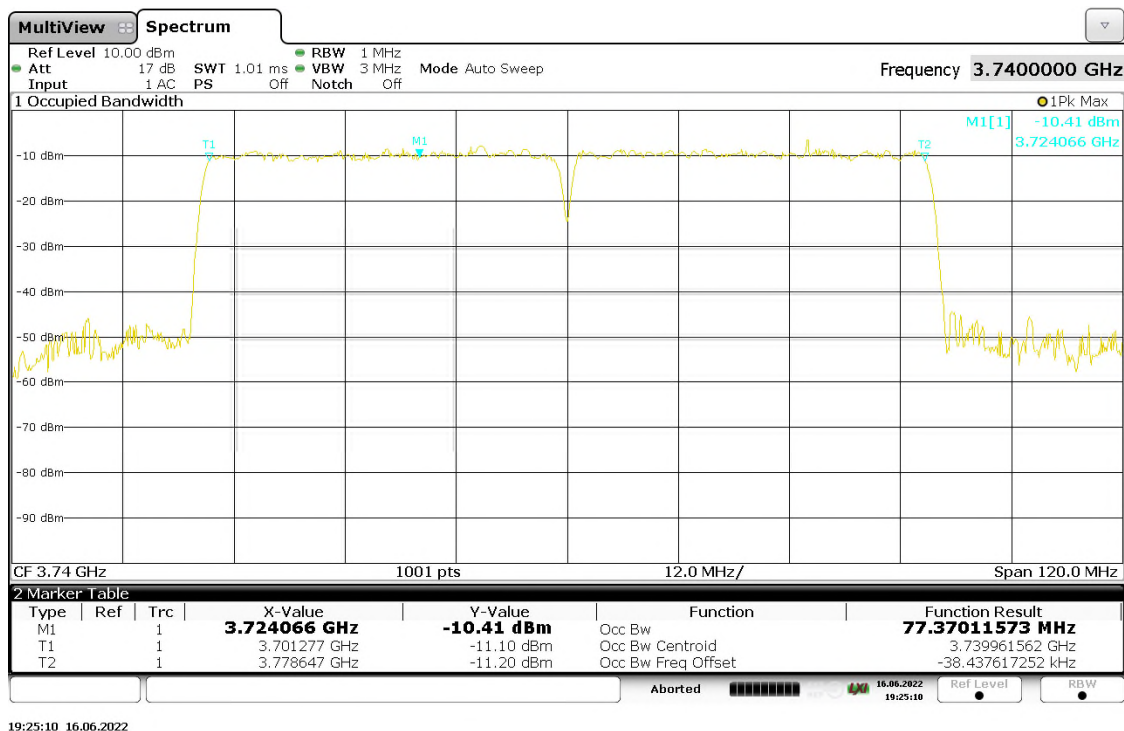


Figure 153: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), 256QAM_TM3.1a, Low Channel, TX Port 28



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Table 89: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), Middle Channel

TX Port	99% Occupied Bandwidth [MHz]			
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a
23	77.505	77.604	77.353	77.443
31	77.434	77.645	77.400	77.411

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Figure 154: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), QPSK_TM1.1, Middle Channel, TX Port 23

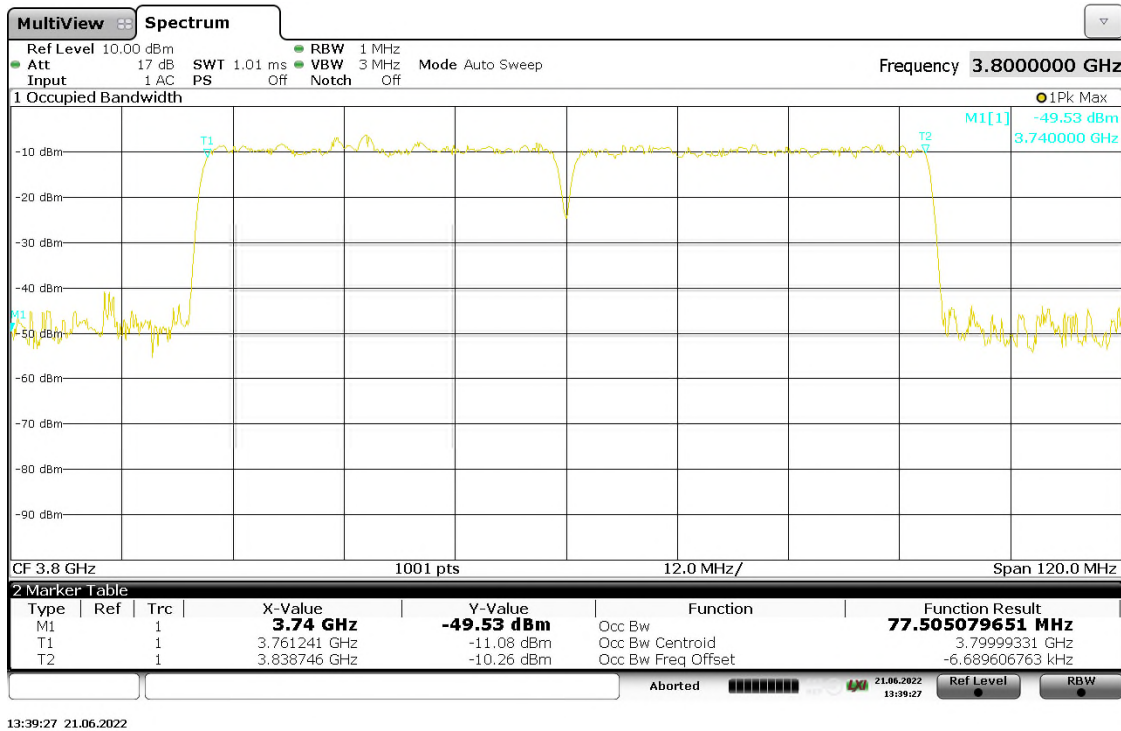


Figure 155: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), QPSK_TM1.1, Middle Channel, TX Port 31

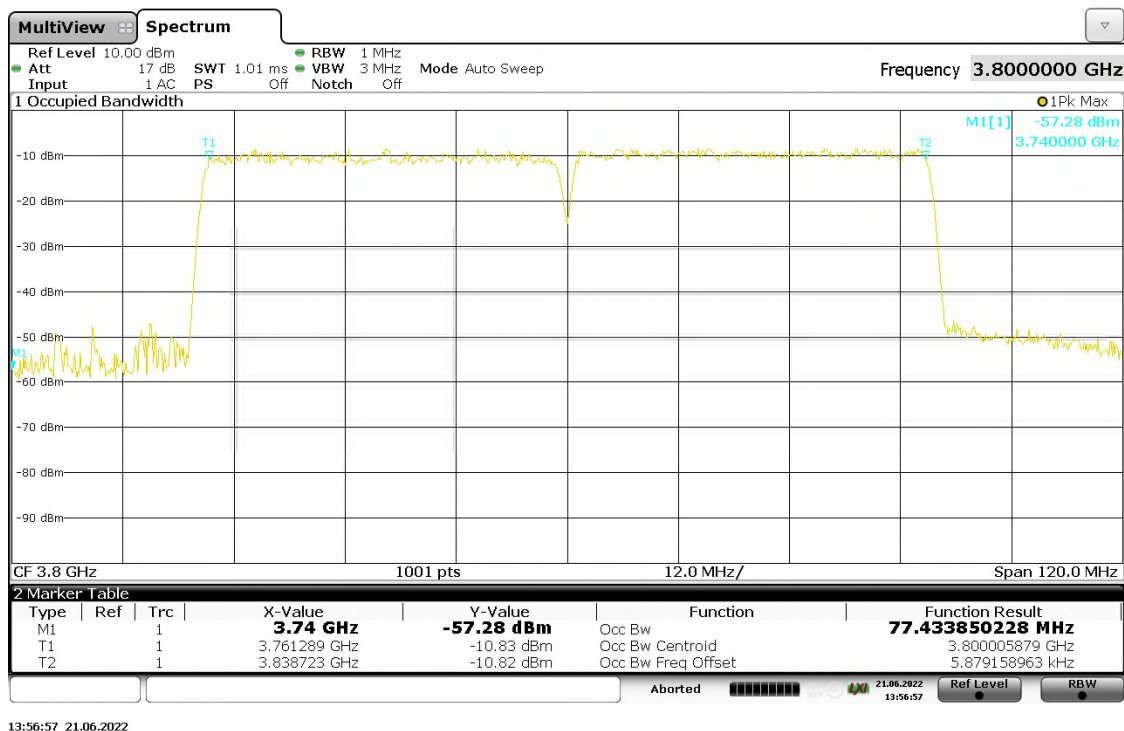


Figure 156: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), 16QAM_TM3.2, Middle Channel, TX Port 23

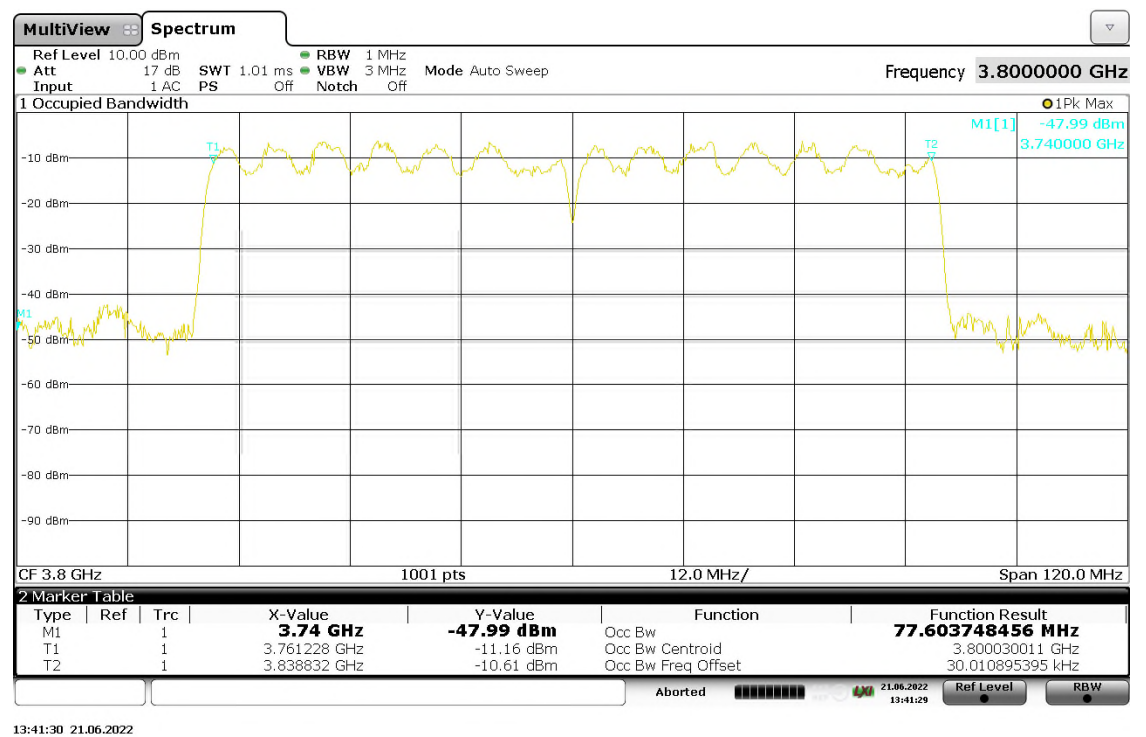


Figure 157: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), 16QAM_TM3.2, Middle Channel, TX Port 31

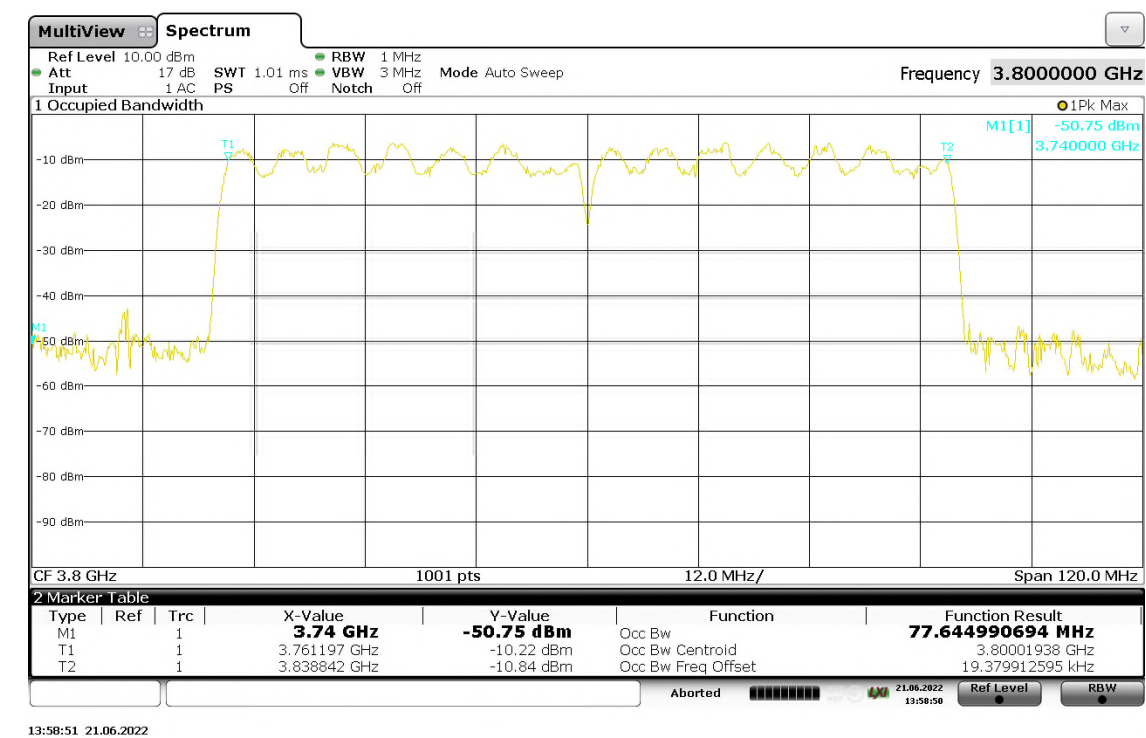


Figure 158: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), 64QAM_TM3.1, Middle Channel, TX Port 23

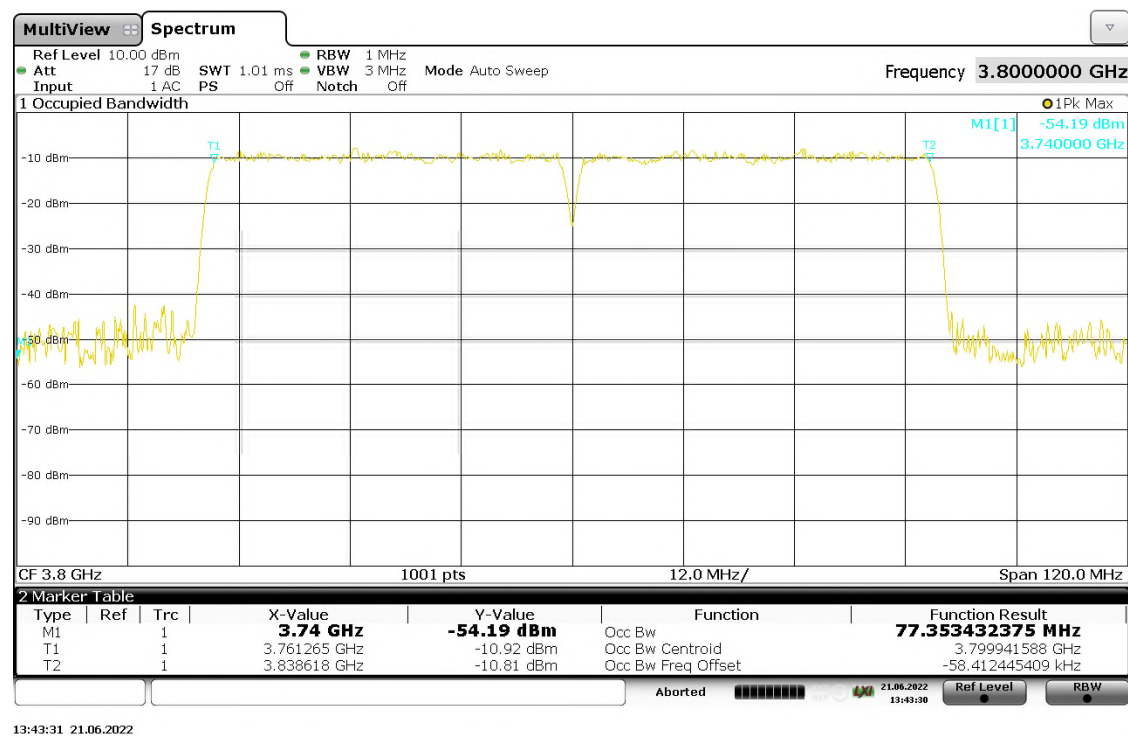
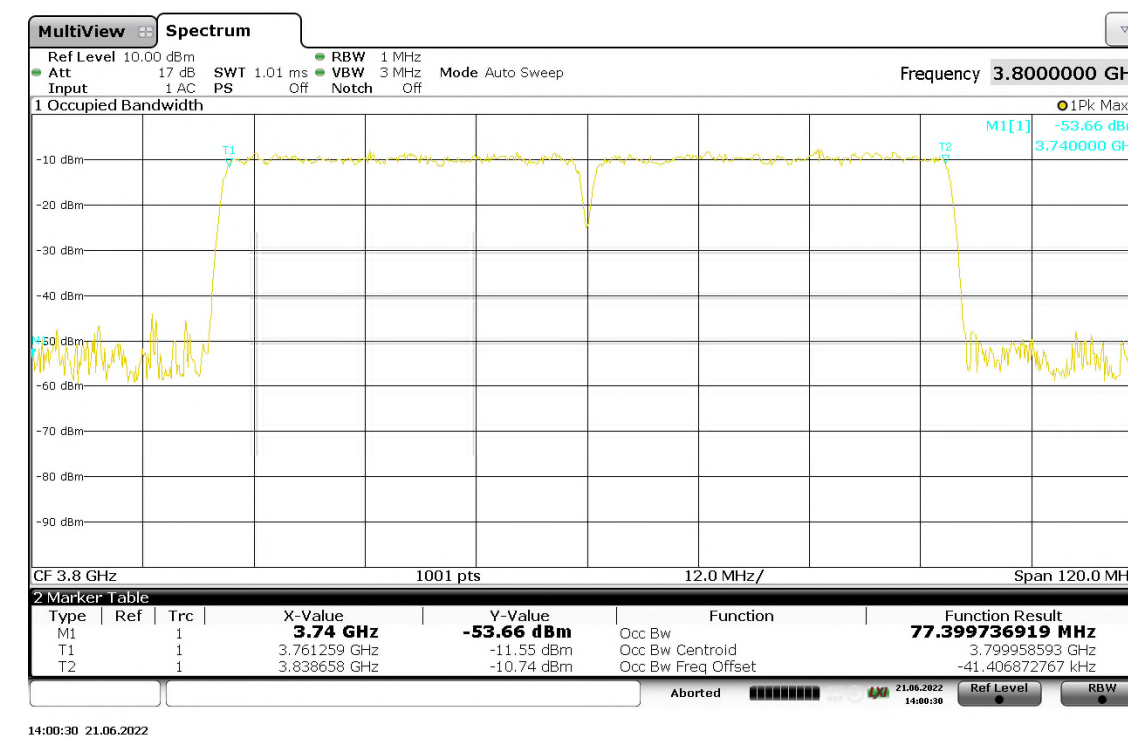


Figure 159: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), 64QAM_TM3.1, Middle Channel, TX Port 31



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Figure 160: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), 256QAM_TM3.1a, Middle Channel, TX Port 23

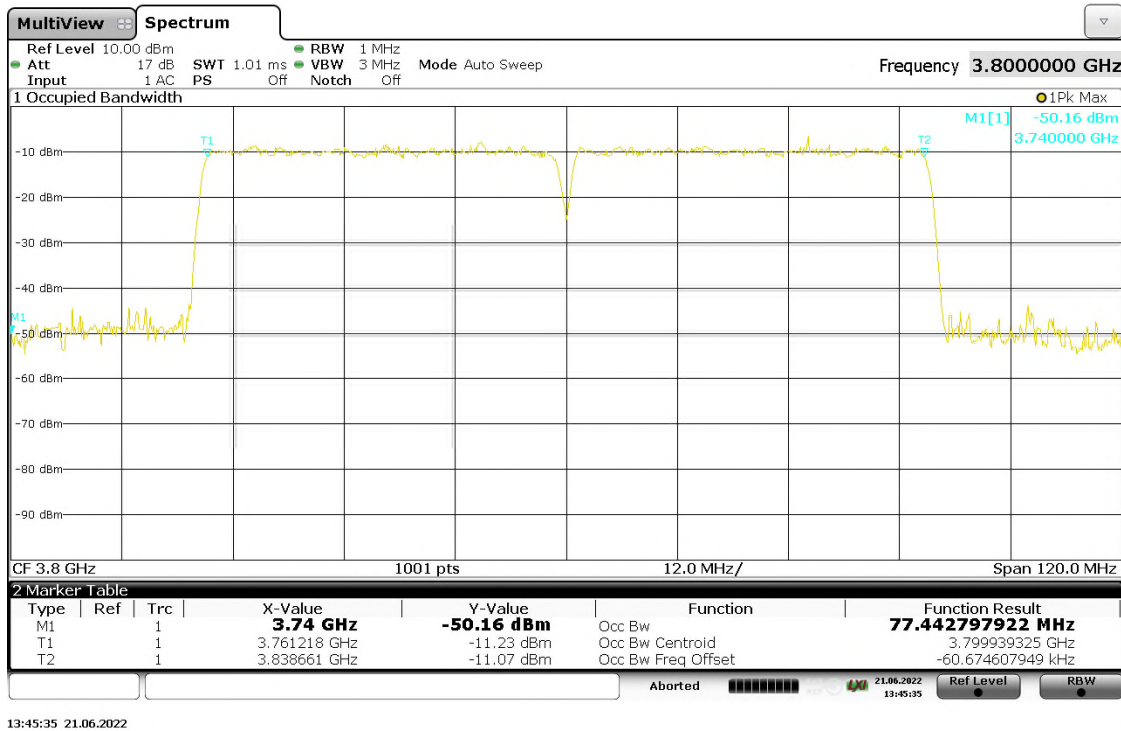
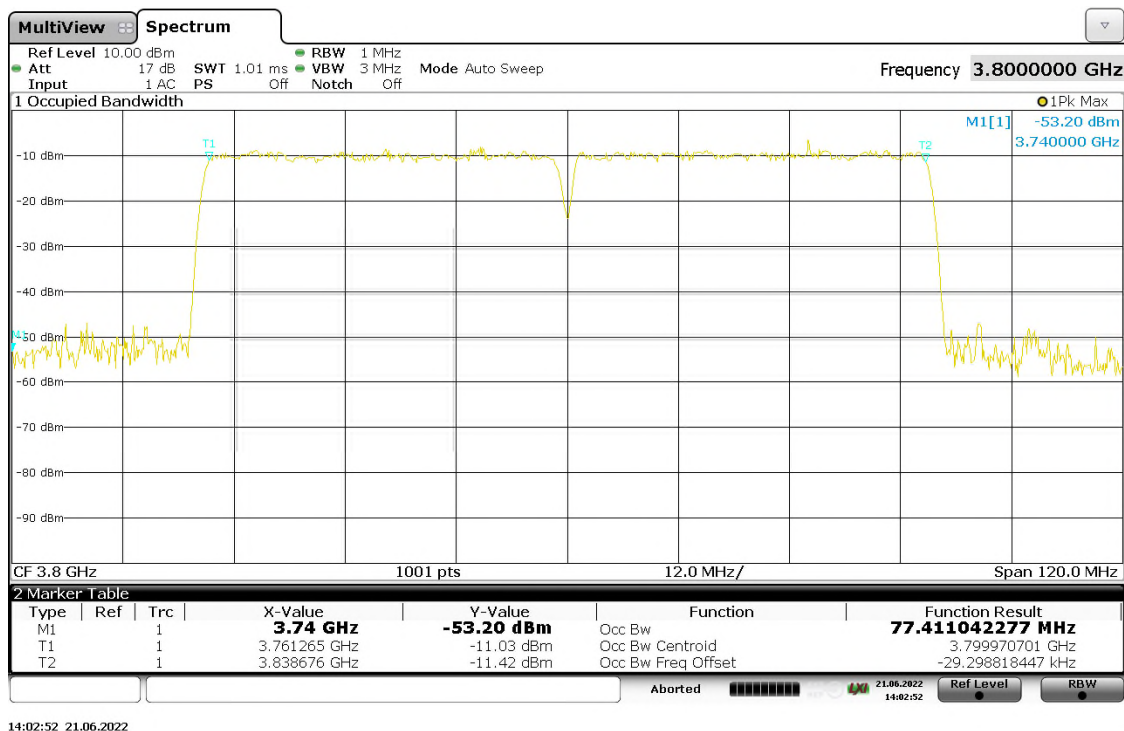


Figure 161: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), 256QAM_TM3.1a, Middle Channel, TX Port 31



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Table 90: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), High Channel

TX Port	99% Occupied Bandwidth [MHz]			
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a
17	77.499	77.621	77.348	77.462
25	77.502	77.640	77.414	77.438

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Figure 162: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), QPSK_TM1.1, High Channel, TX Port 17

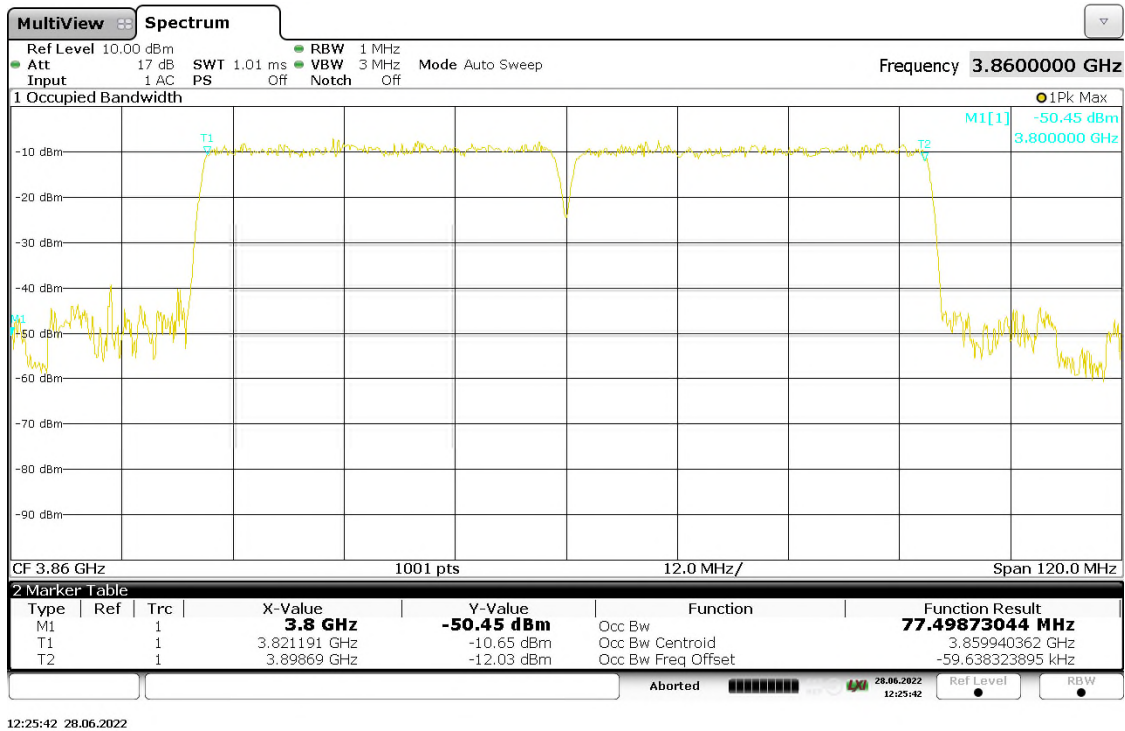
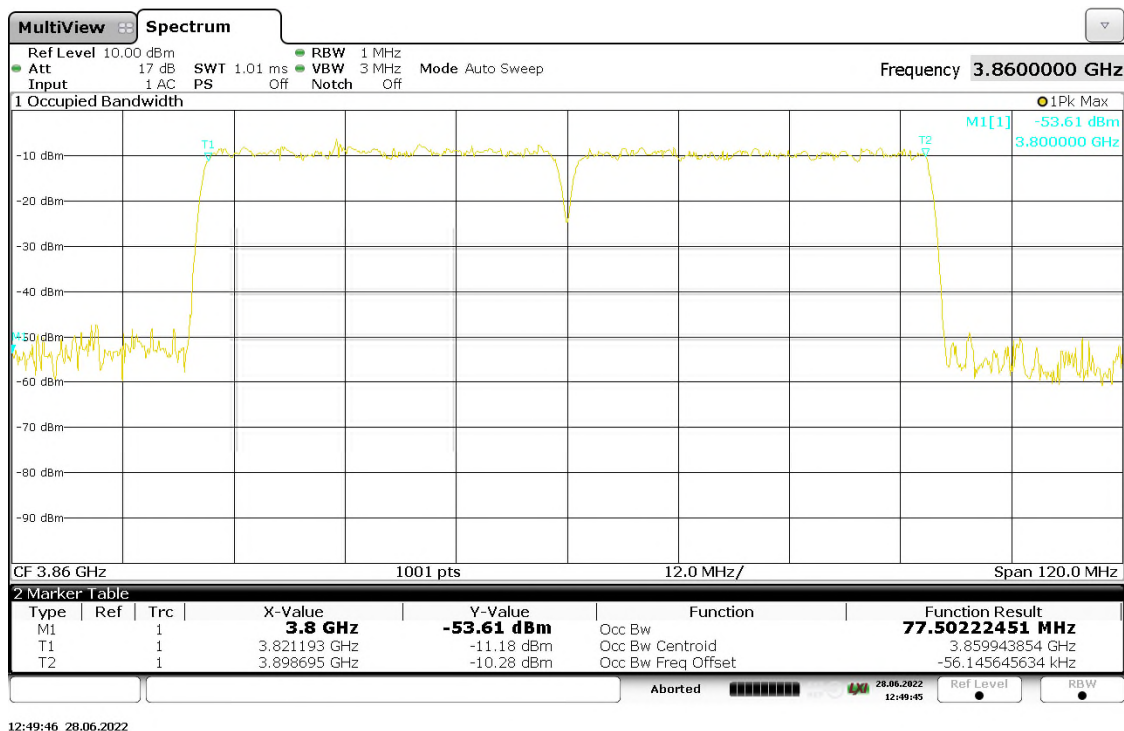


Figure 163: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), QPSK_TM1.1, High Channel, TX Port 25



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Figure 164: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), 16QAM_TM3.2, High Channel, TX Port 17

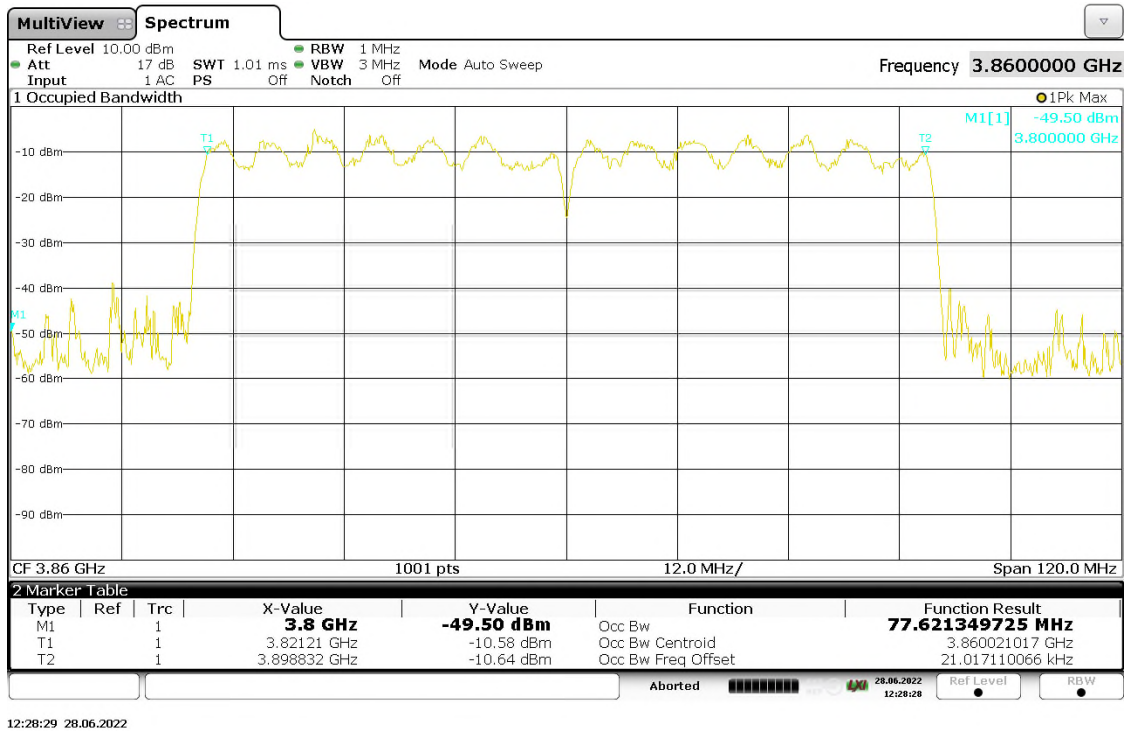
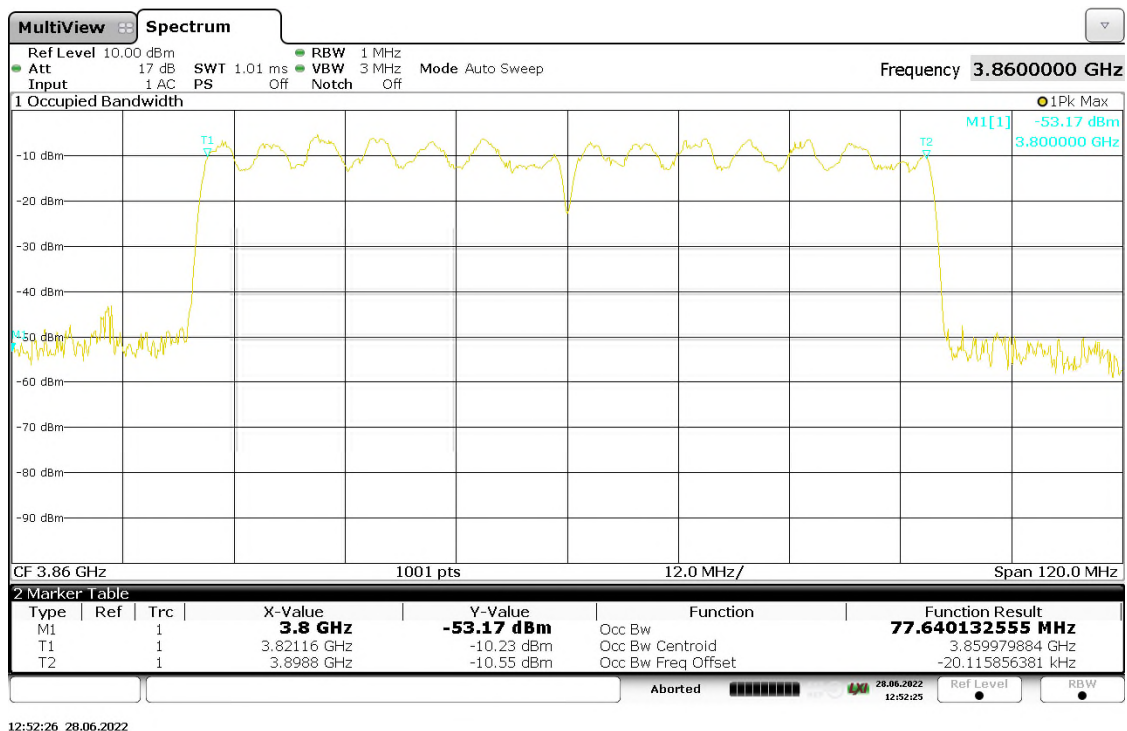


Figure 165: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), 16QAM_TM3.2, High Channel, TX Port 25



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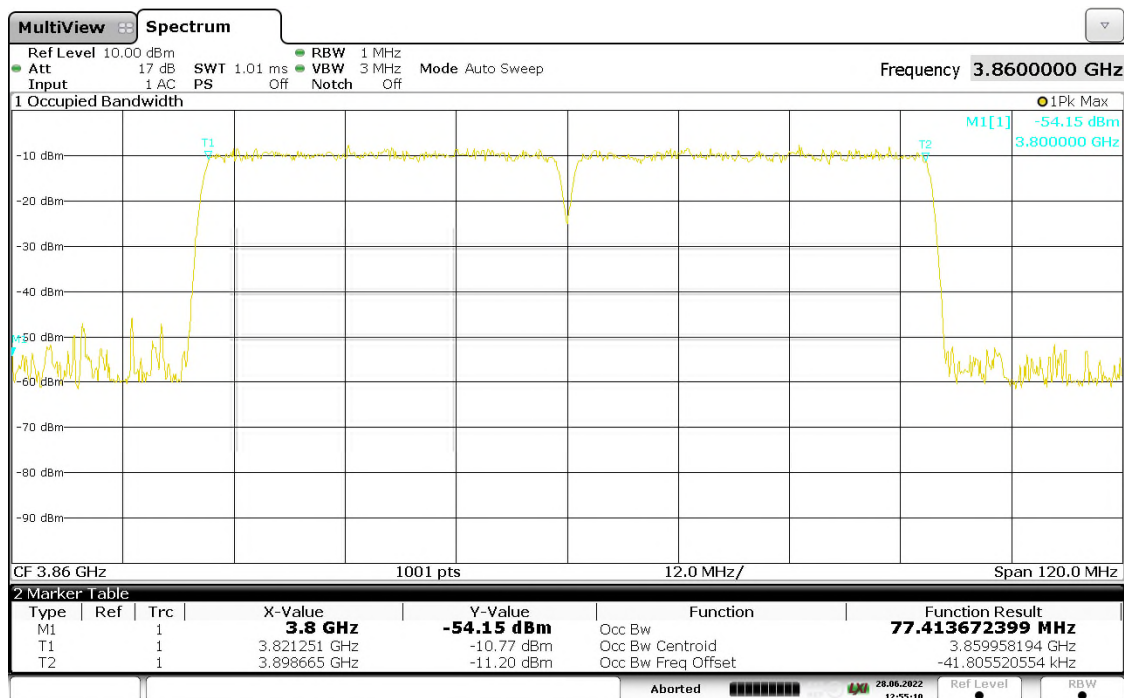
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Figure 166: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), 64QAM_TM3.1, High Channel, TX Port 17



12:31:01 28.06.2022

Figure 167: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), 64QAM_TM3.1, High Channel, TX Port 25



12:55:10 28.06.2022

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Figure 168: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), 256QAM_TM3.1a, High Channel, TX Port 17

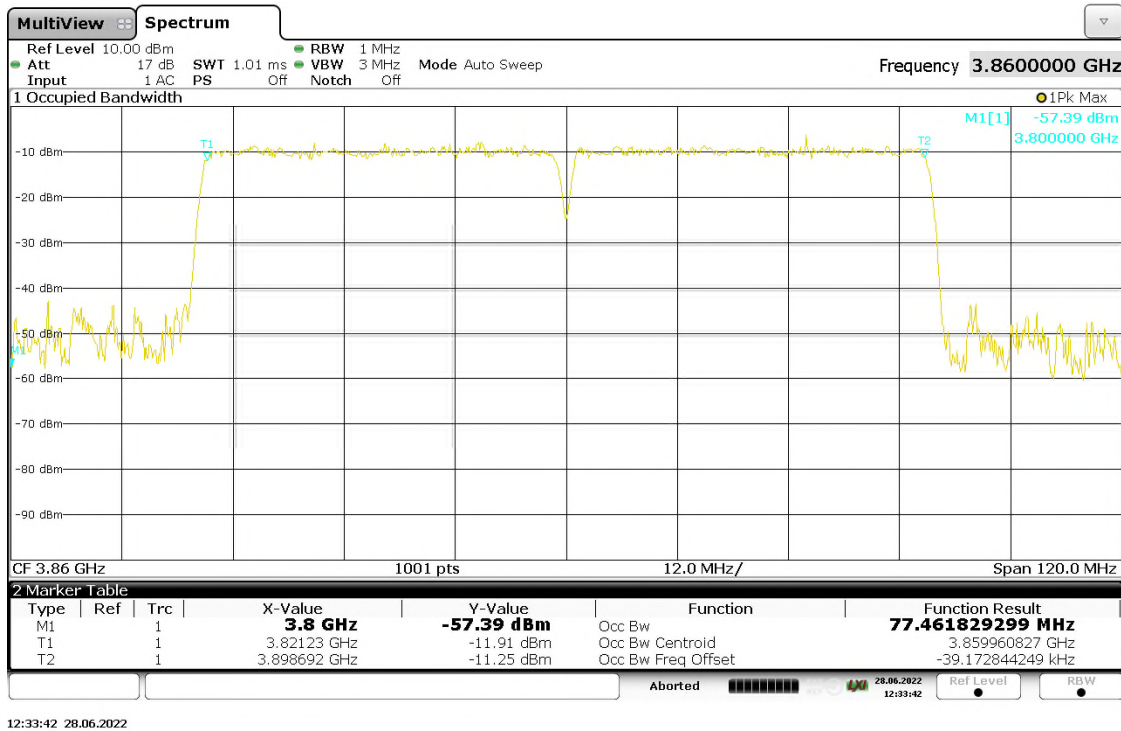
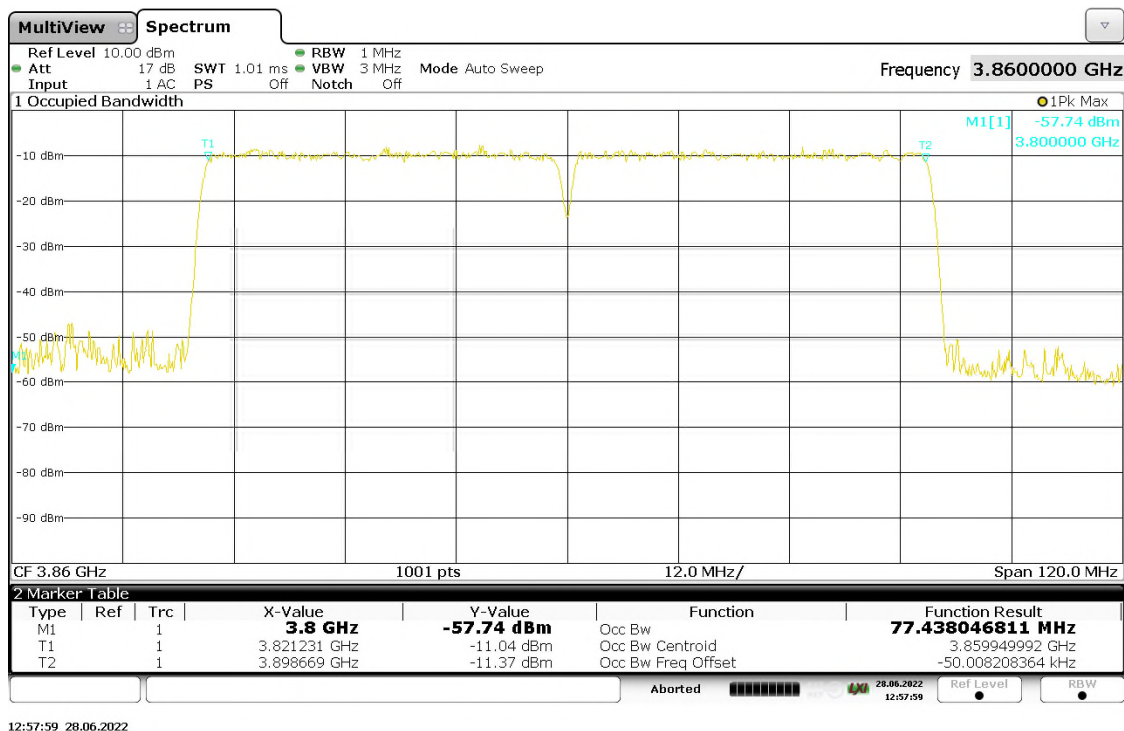


Figure 169: 99% Occupied Bandwidth, 2cc-1a (OBW=40MHz+40MHz), 256QAM_TM3.1a, High Channel, TX Port 25



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Table 91: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), Low Channel

TX Port	99% Occupied Bandwidth [MHz]			
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a
12	117.202	117.652	117.369	117.412
28	117.172	117.582	117.342	117.439

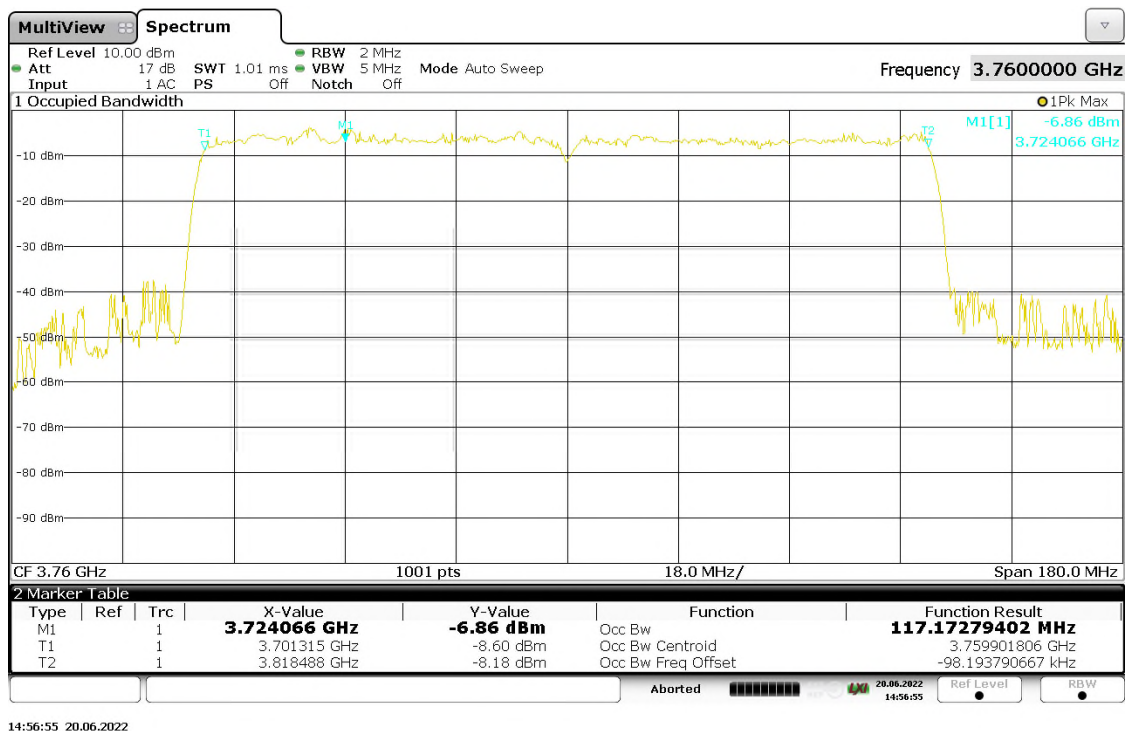
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Figure 170: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), QPSK_TM1.1, Low Channel, TX Port 12



Figure 171: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), QPSK_TM1.1, Low Channel, TX Port 28



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Figure 172: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), 16QAM_TM3.2, Low Channel, TX Port 12

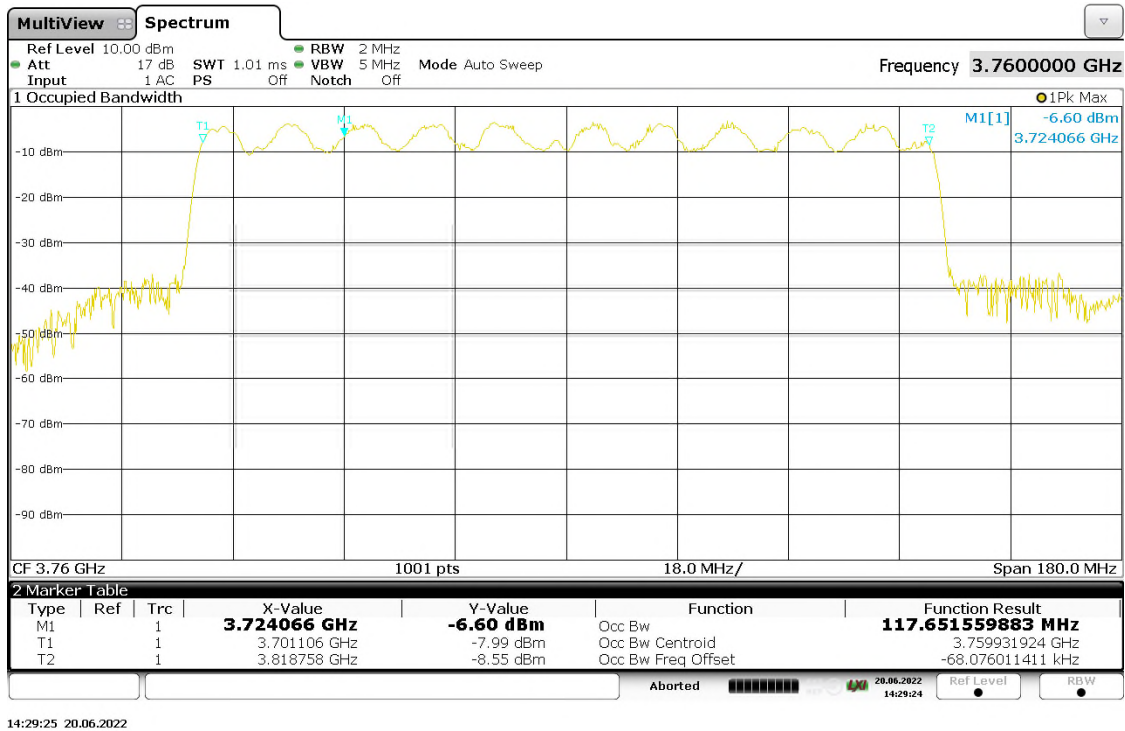
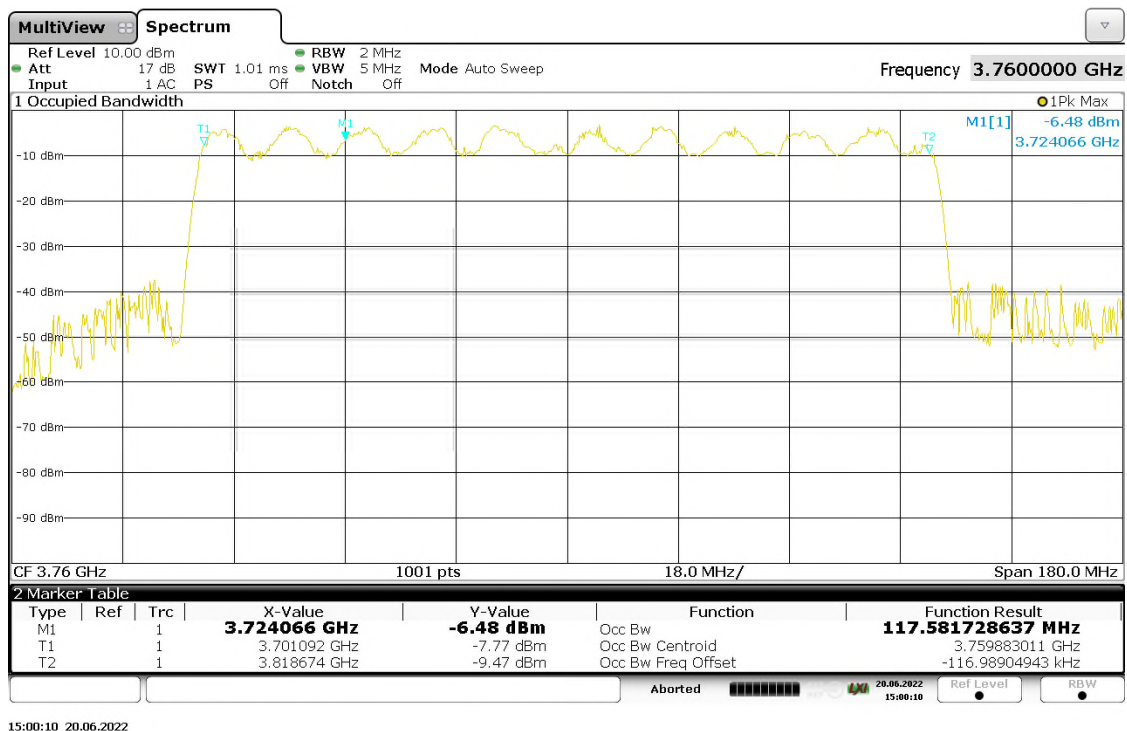


Figure 173: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), 16QAM_TM3.2, Low Channel, TX Port 28



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Figure 174: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), 64QAM_TM3.1, Low Channel, TX Port 12

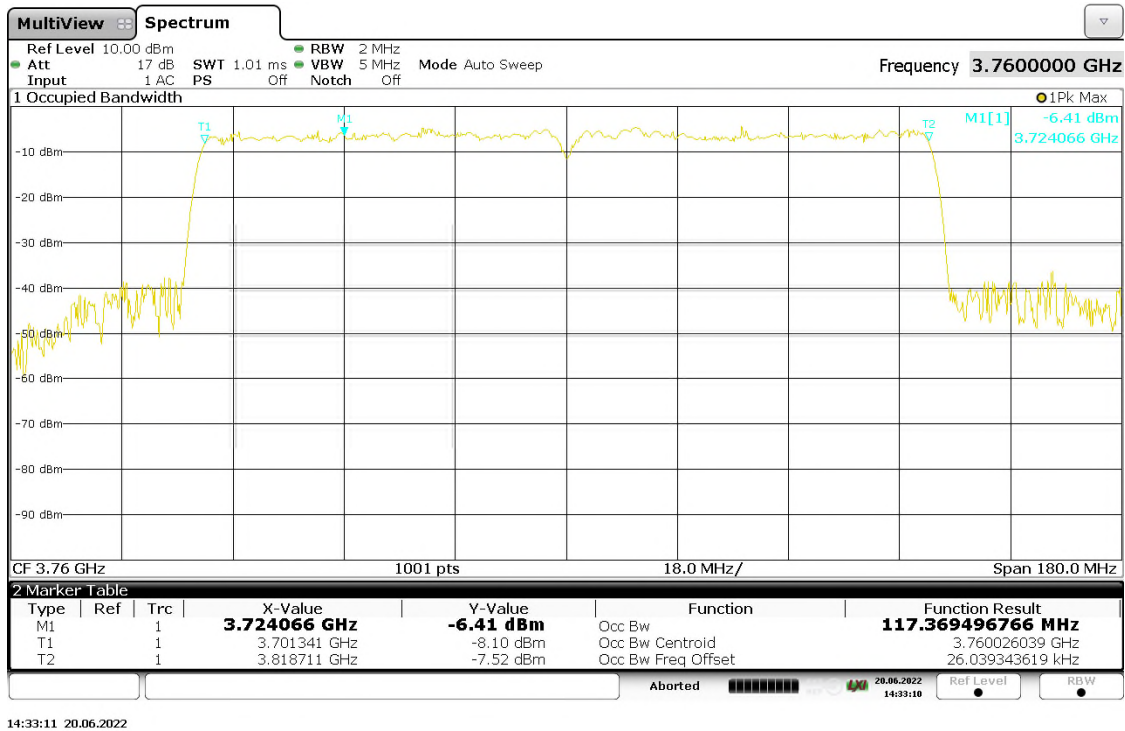
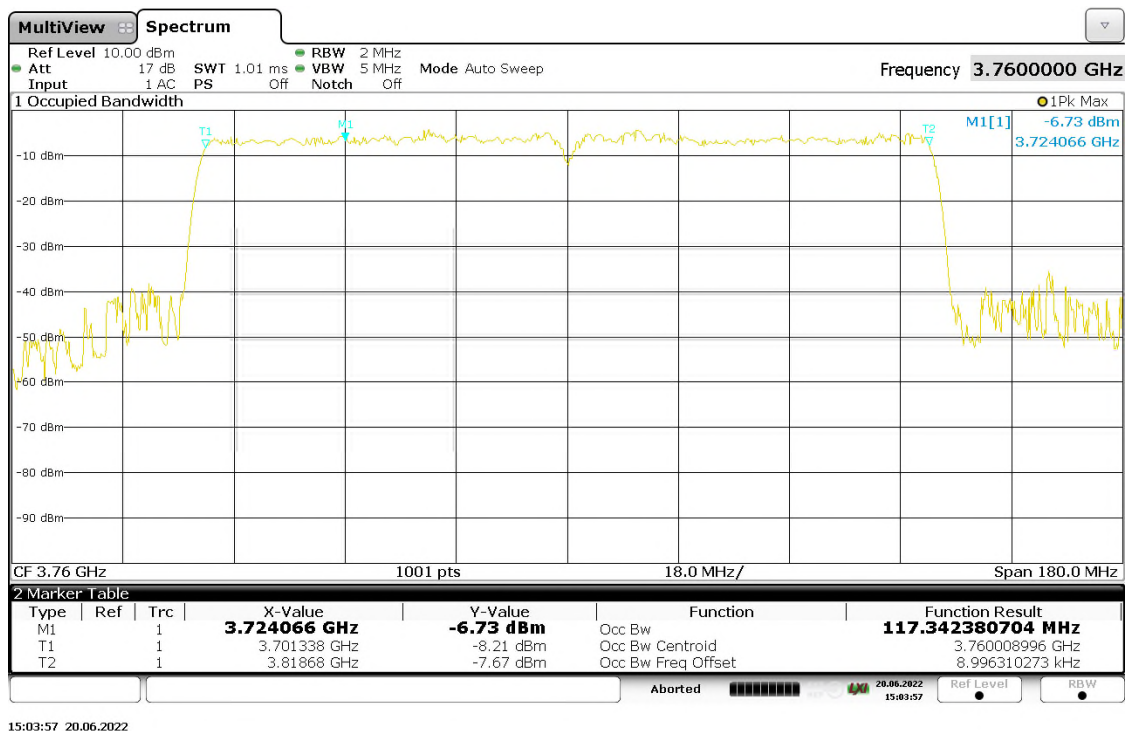


Figure 175: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), 64QAM_TM3.1, Low Channel, TX Port 28



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Figure 176: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), 256QAM_TM3.1a, Low Channel, TX Port 12

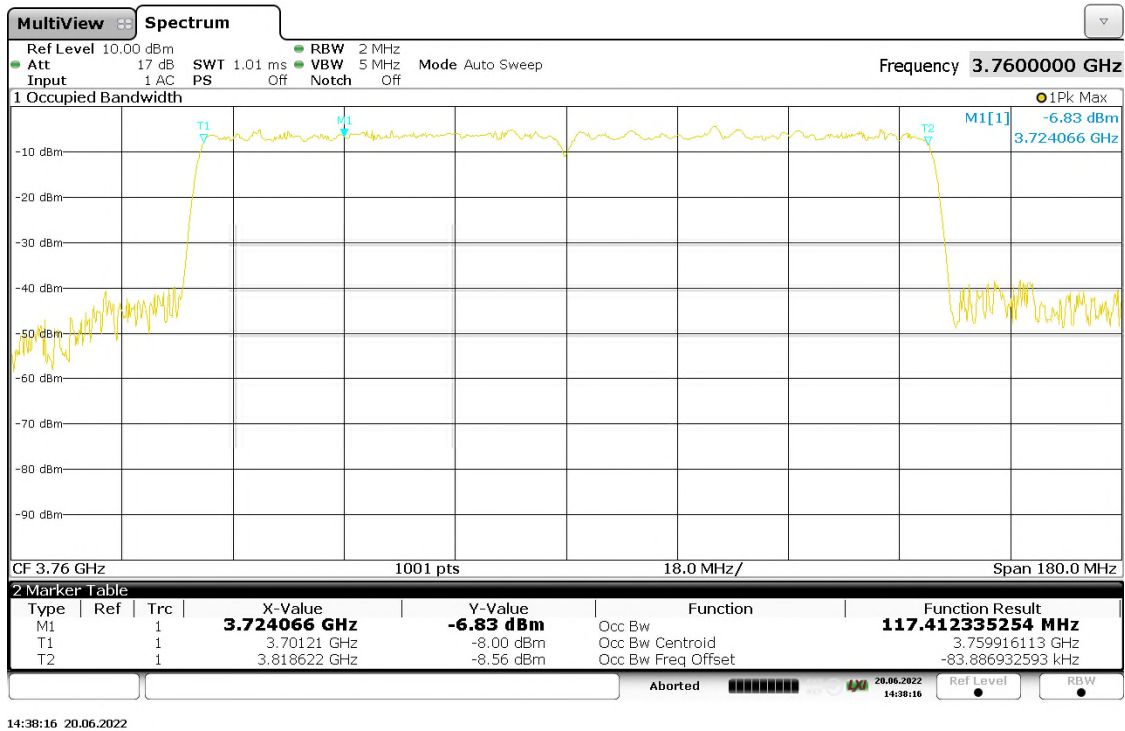
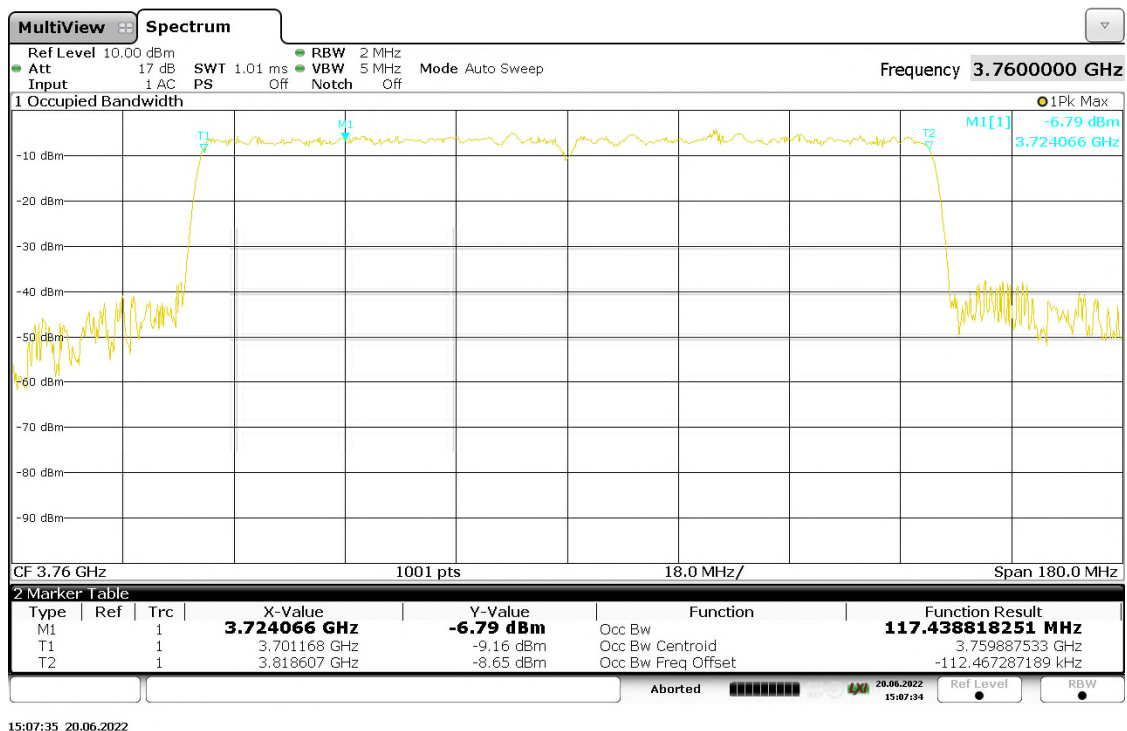


Figure 177: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), 256QAM_TM3.1a, Low Channel, TX Port 28



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Table 92: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), Middle Channel

TX Port	99% Occupied Bandwidth [MHz]			
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a
23	117.186	117.599	117.393	117.425
31	117.296	117.602	117.403	117.499

Figure 178: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), QPSK_TM1.1, Middle Channel, TX Port 23

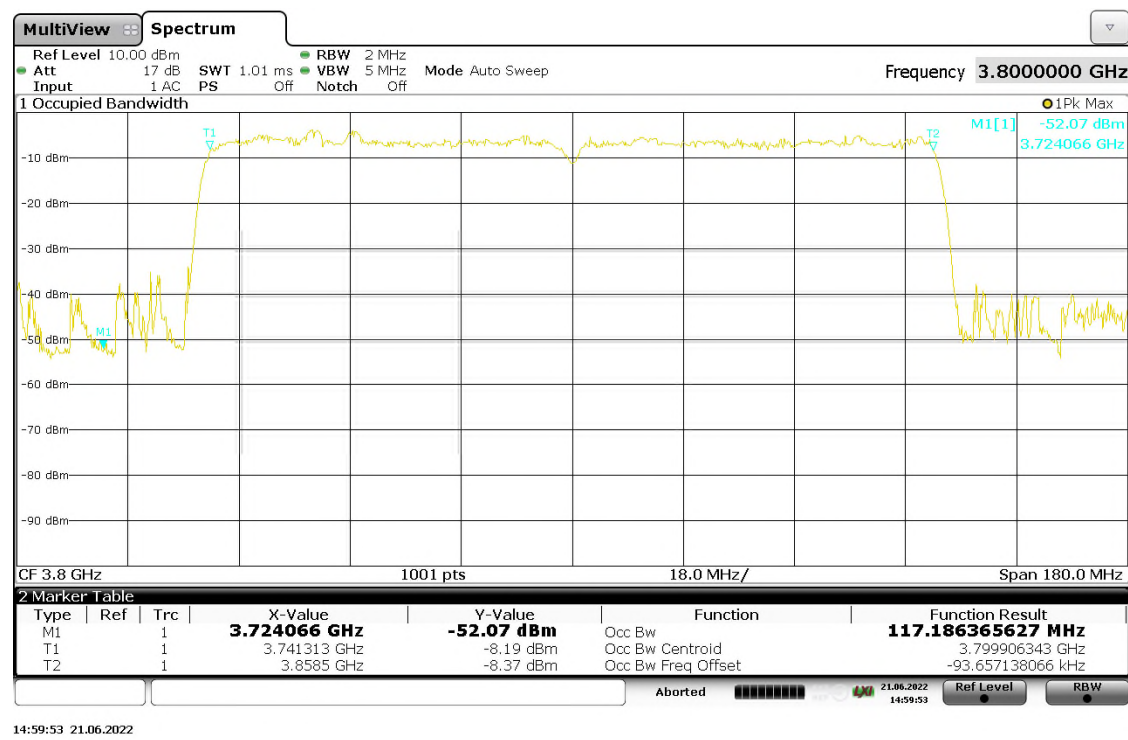
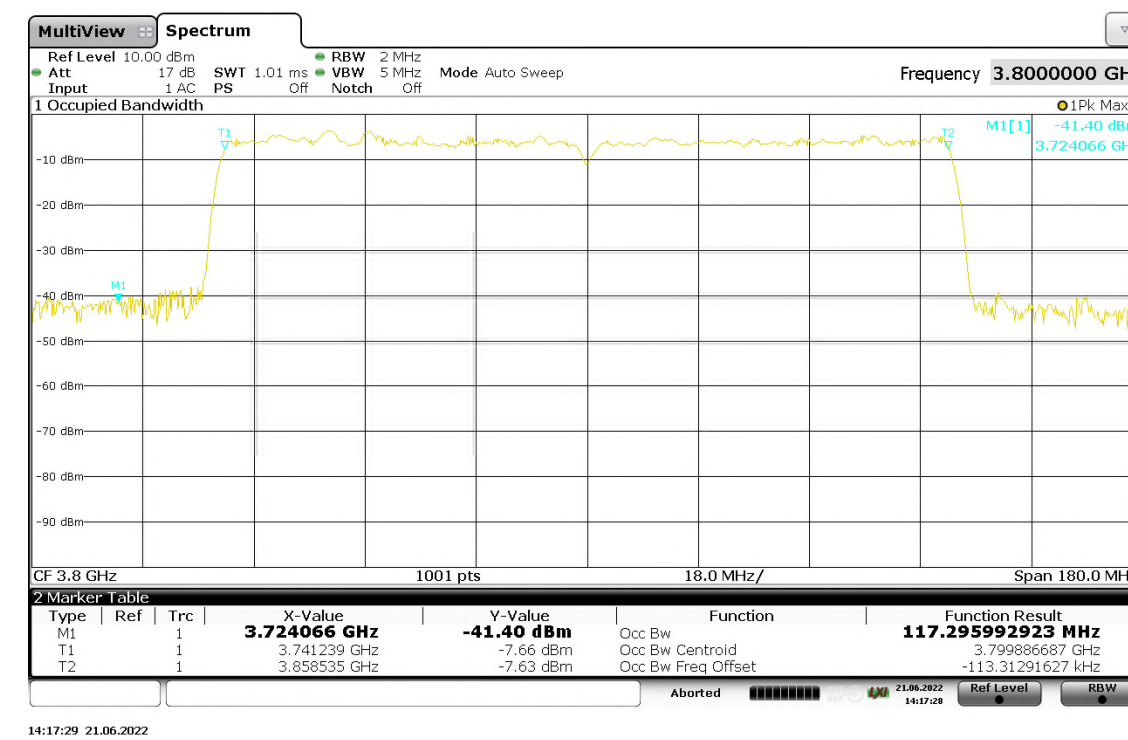


Figure 179: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), QPSK_TM1.1, Middle Channel, TX Port 31



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Figure 180: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), 16QAM_TM3.2, Middle Channel, TX Port 23

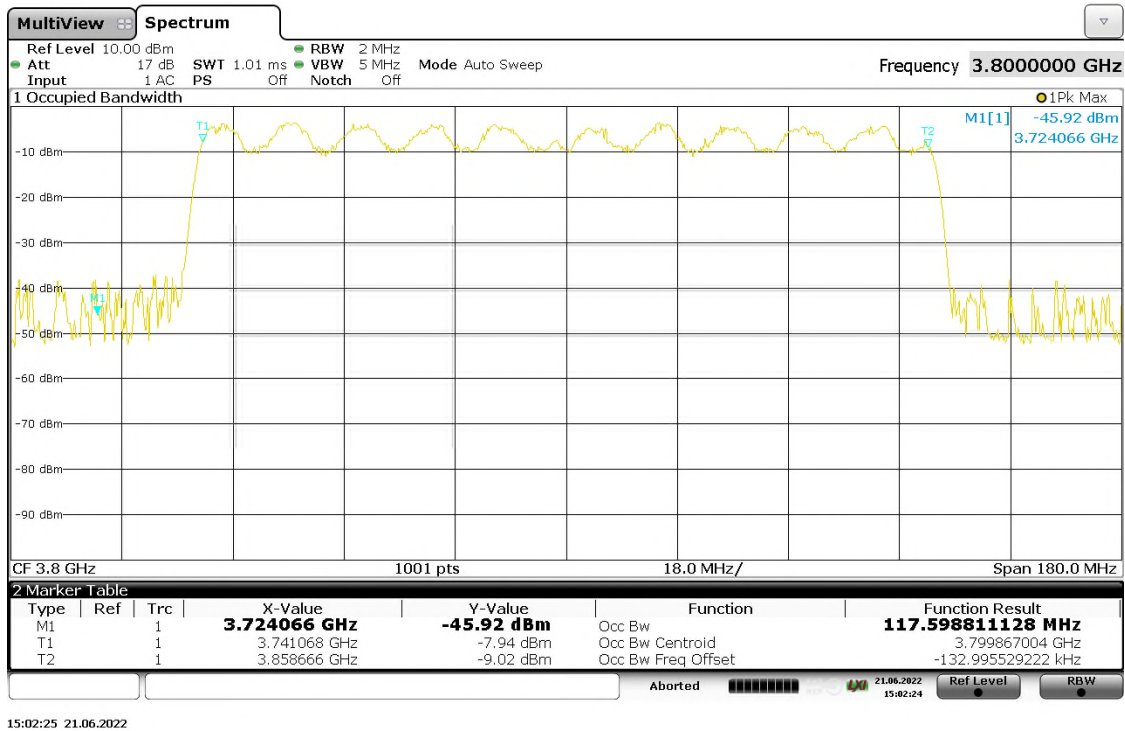
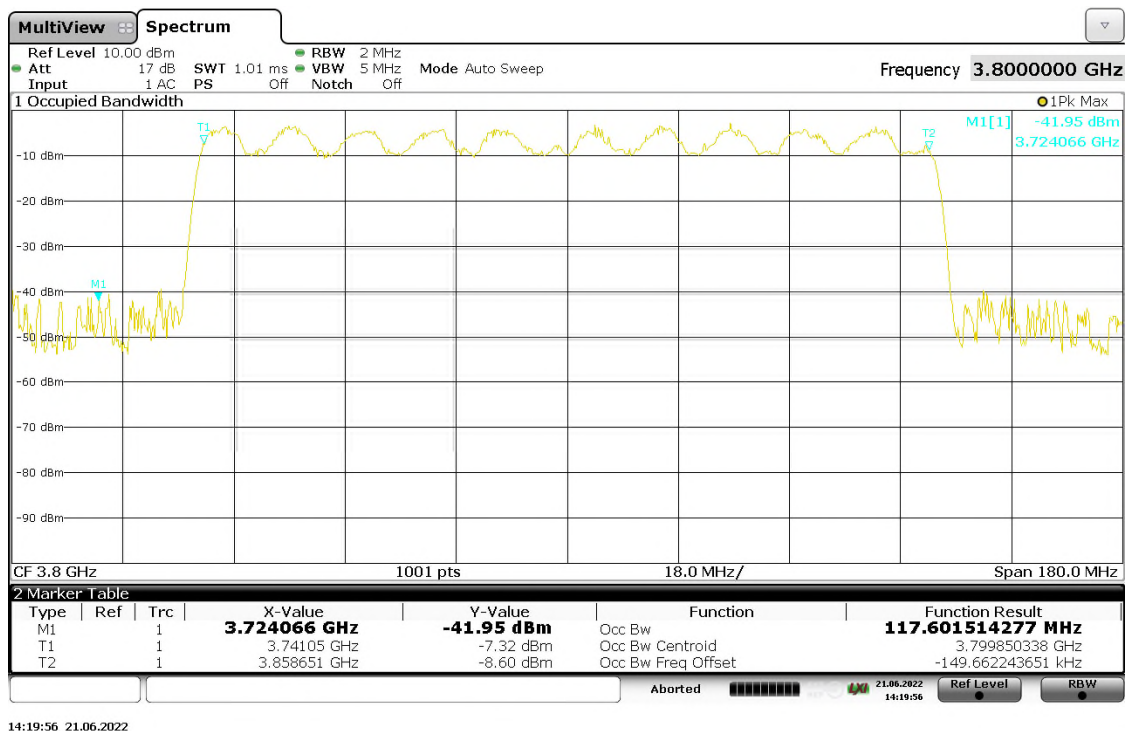


Figure 181: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), 16QAM_TM3.2, Middle Channel, TX Port 31



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Figure 182: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), 64QAM_TM3.1, Middle Channel, TX Port 23

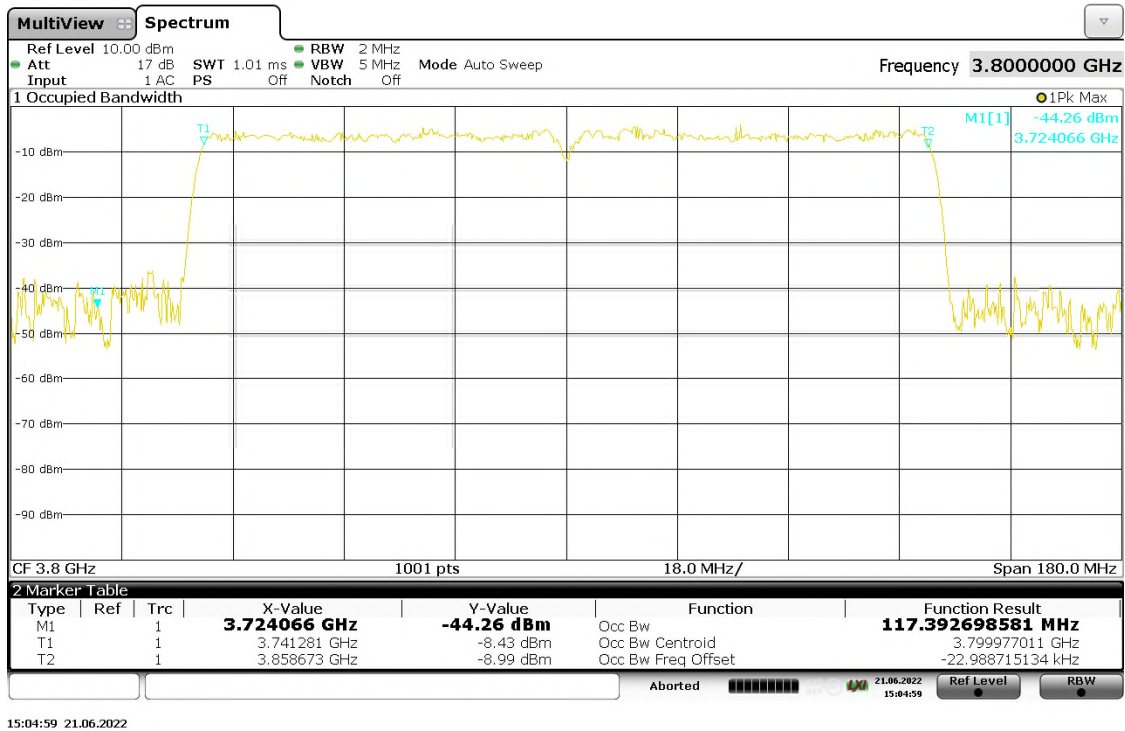
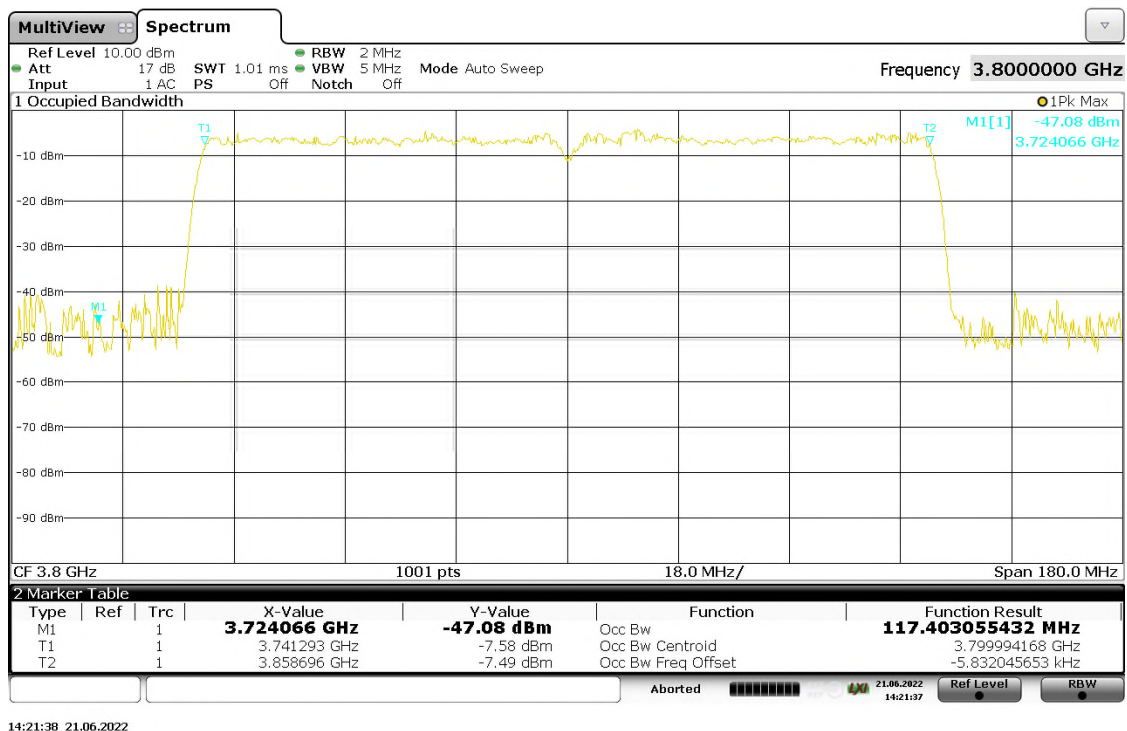


Figure 183: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), 64QAM_TM3.1, Middle Channel, TX Port 31



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Figure 184: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), 256QAM_TM3.1a, Middle Channel, TX Port 23

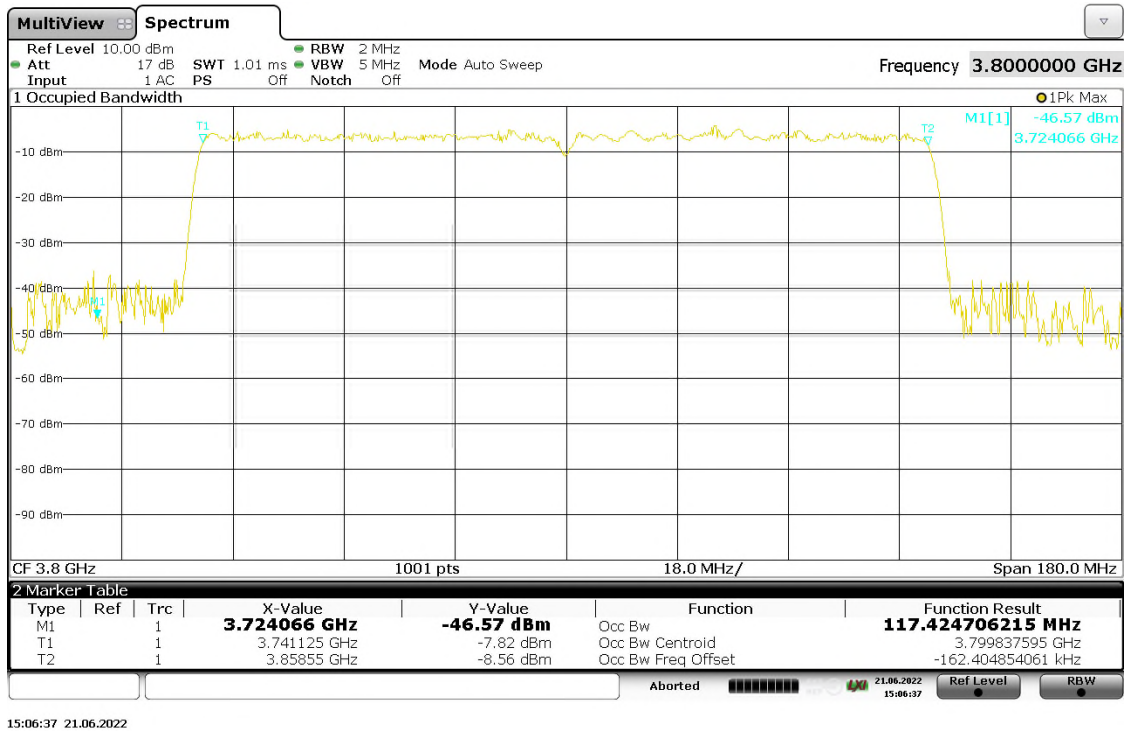
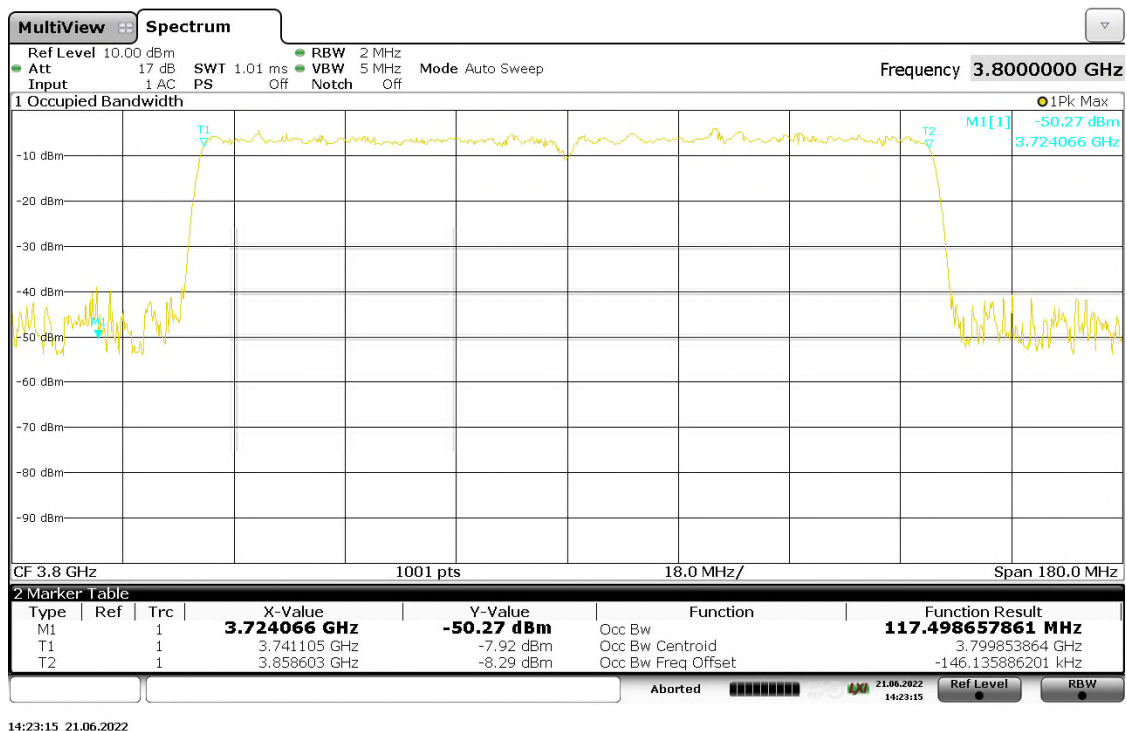


Figure 185: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), 256QAM_TM3.1a, Middle Channel, TX Port 31



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Table 93: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), High Channel

TX Port	99% Occupied Bandwidth [MHz]			
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a
17	117.306	117.693	117.399	117.540
25	117.118	117.447	117.388	117.325

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Figure 186: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), QPSK_TM1.1, High Channel, TX Port 17

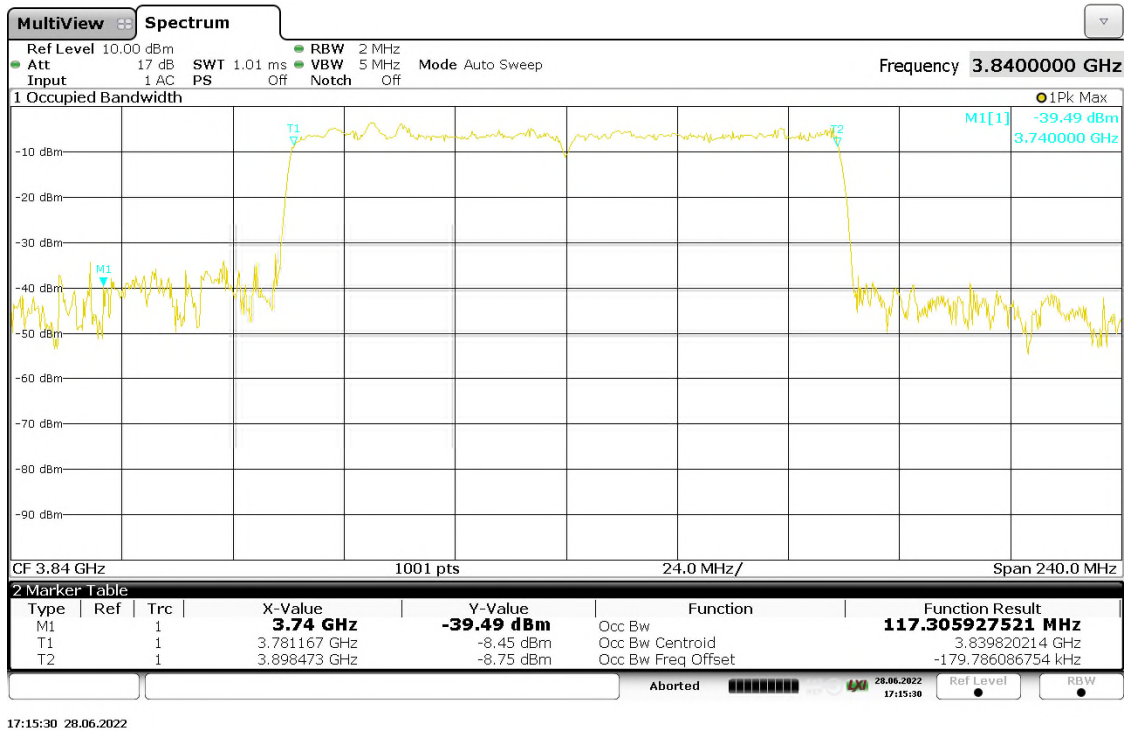
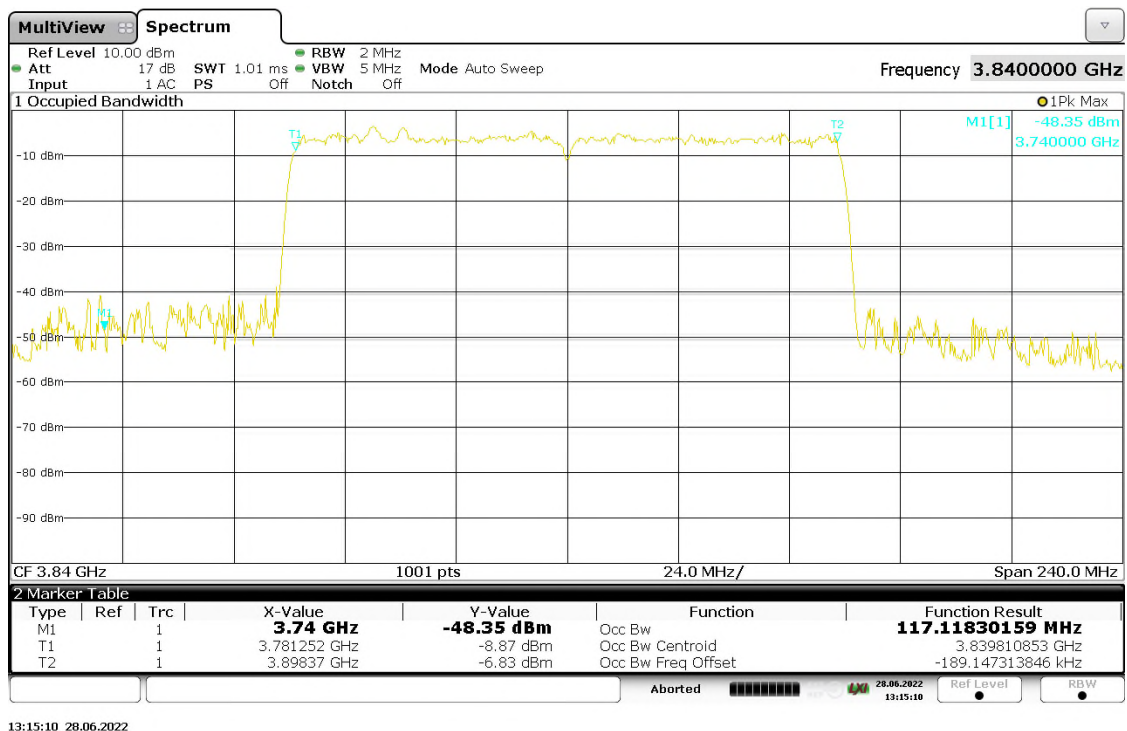


Figure 187: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), QPSK_TM1.1, High Channel, TX Port 25



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Figure 188: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), 16QAM_TM3.2, High Channel, TX Port 17

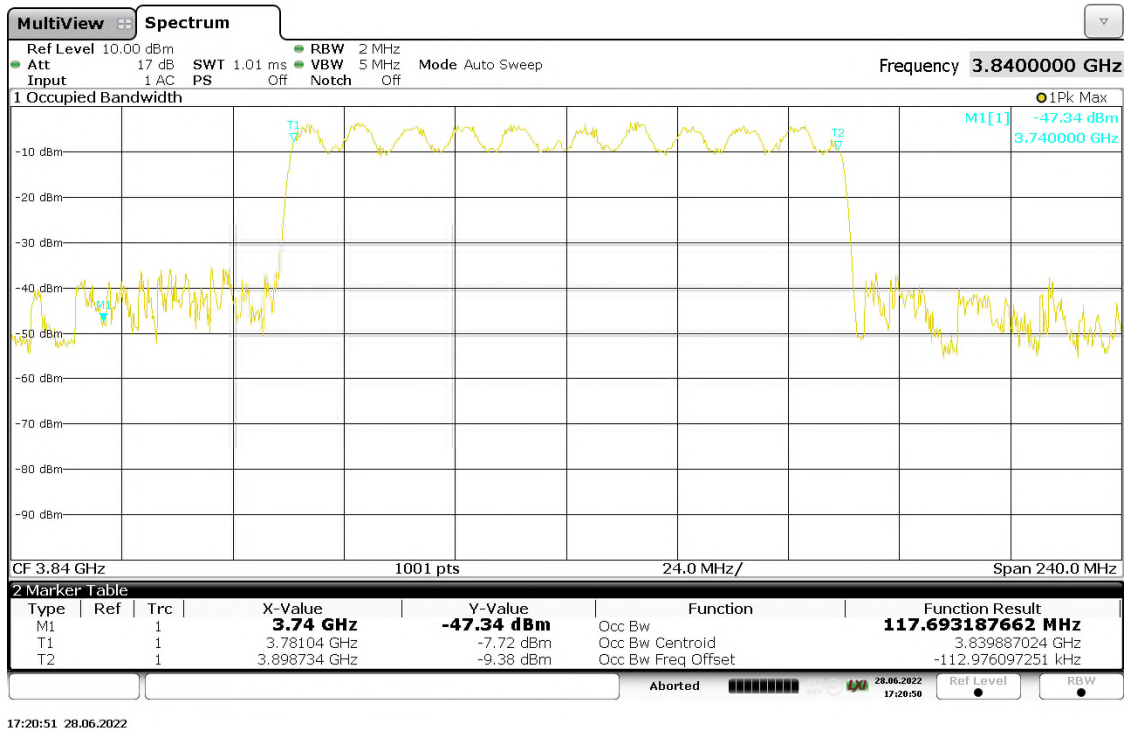
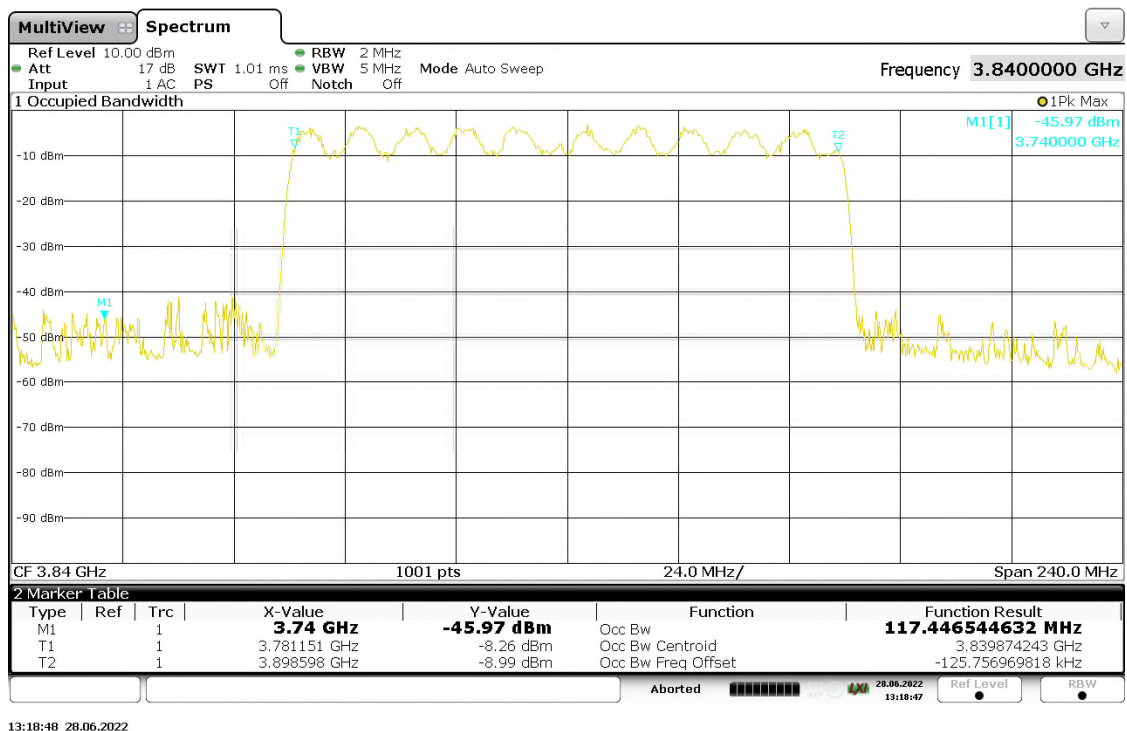


Figure 189: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), 16QAM_TM3.2, High Channel, TX Port 25



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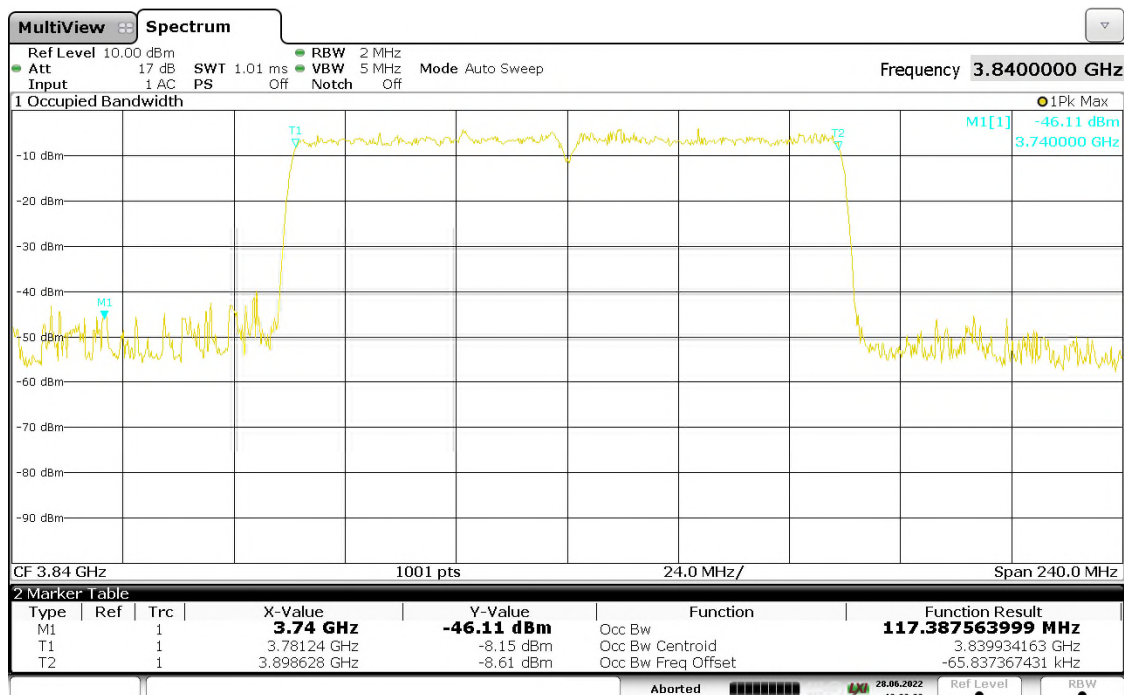
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Figure 190: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), 64QAM_TM3.1, High Channel, TX Port 17



17:24:06 28.06.2022

Figure 191: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), 64QAM_TM3.1, High Channel, TX Port 25



13:22:22 28.06.2022

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Figure 192: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), 256QAM_TM3.1a, High Channel, TX Port 17

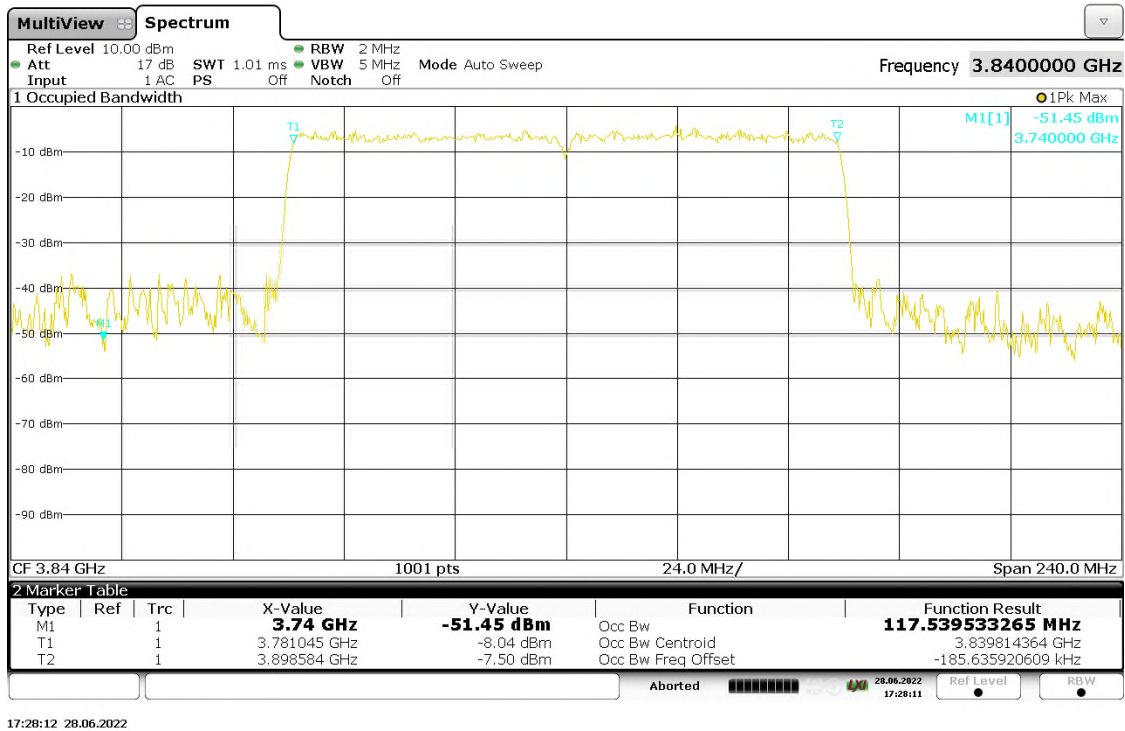


Figure 193: 99% Occupied Bandwidth, 2cc-2a (OBW=60MHz+60MHz), 256QAM_TM3.1a, High Channel, TX Port 25



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Table 94: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), Low Channel

TX Port	99% Occupied Bandwidth [MHz]			
	QPSK_TM1.1	16QAM_TM3.2	64QAM_TM3.1	256QAM_TM3.1a
12	156.847	157.103	156.491	156.506
28	156.850	157.055	156.540	156.598

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Figure 194: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), QPSK_TM1.1, Low Channel, TX Port 12

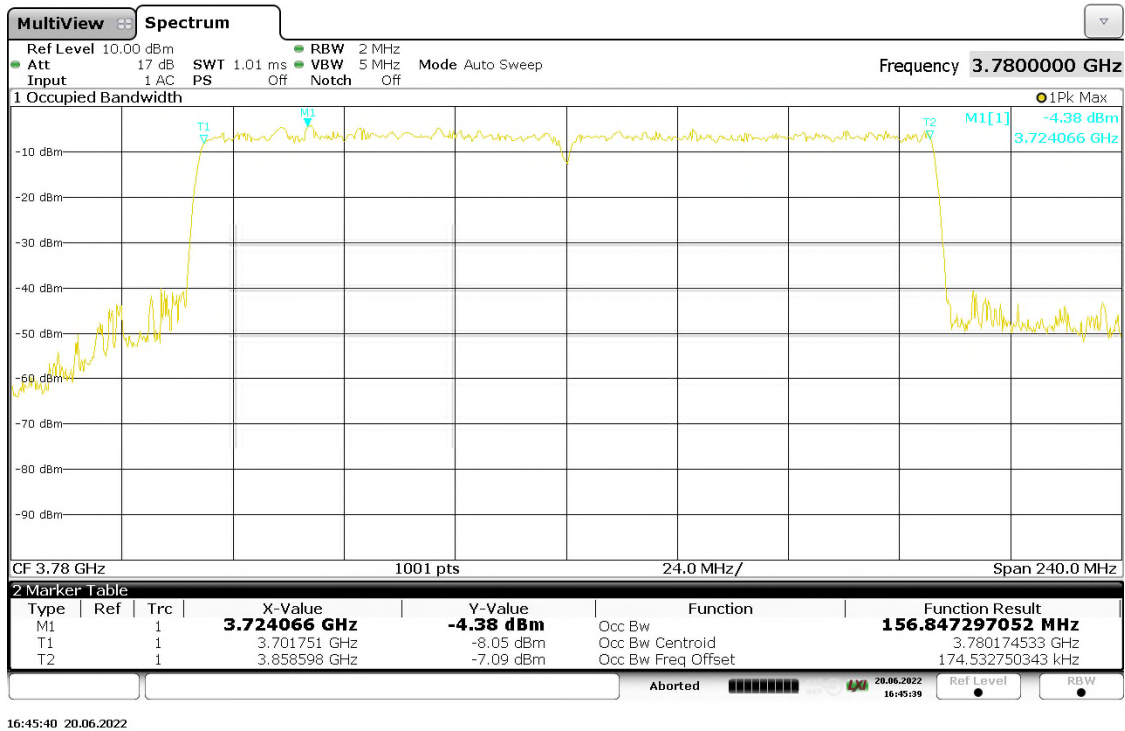
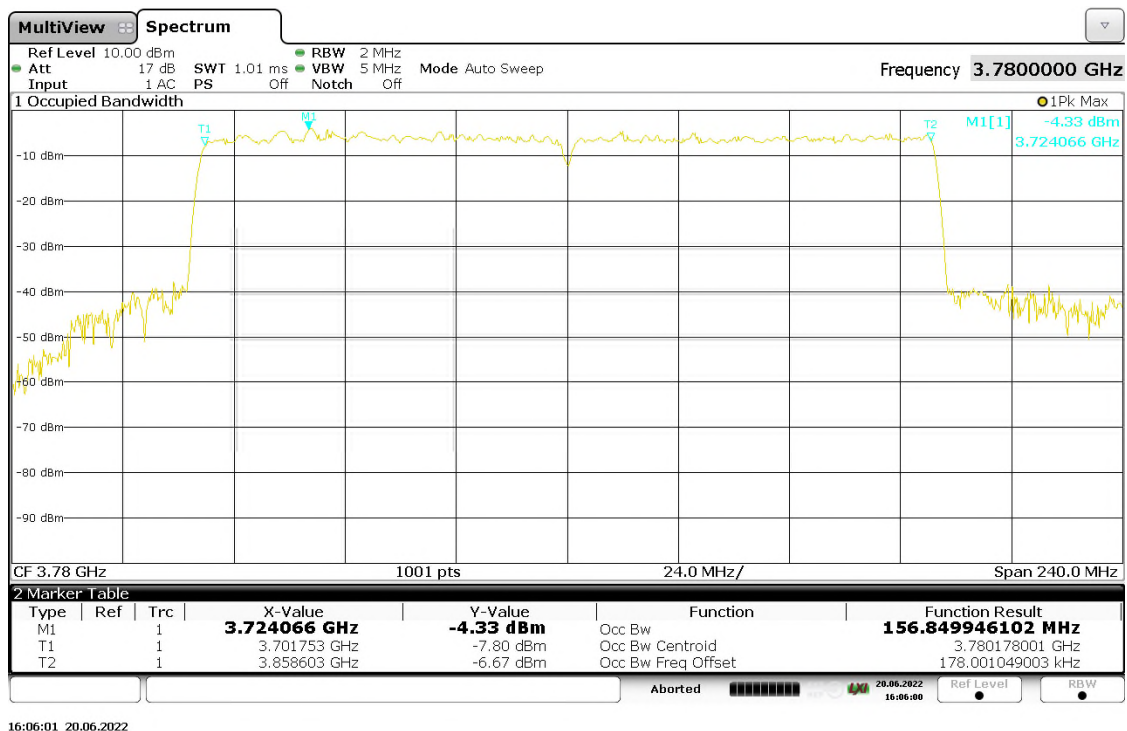


Figure 195: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), QPSK_TM1.1, Low Channel, TX Port 28



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Figure 196: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), 16QAM_TM3.2, Low Channel, TX Port 12

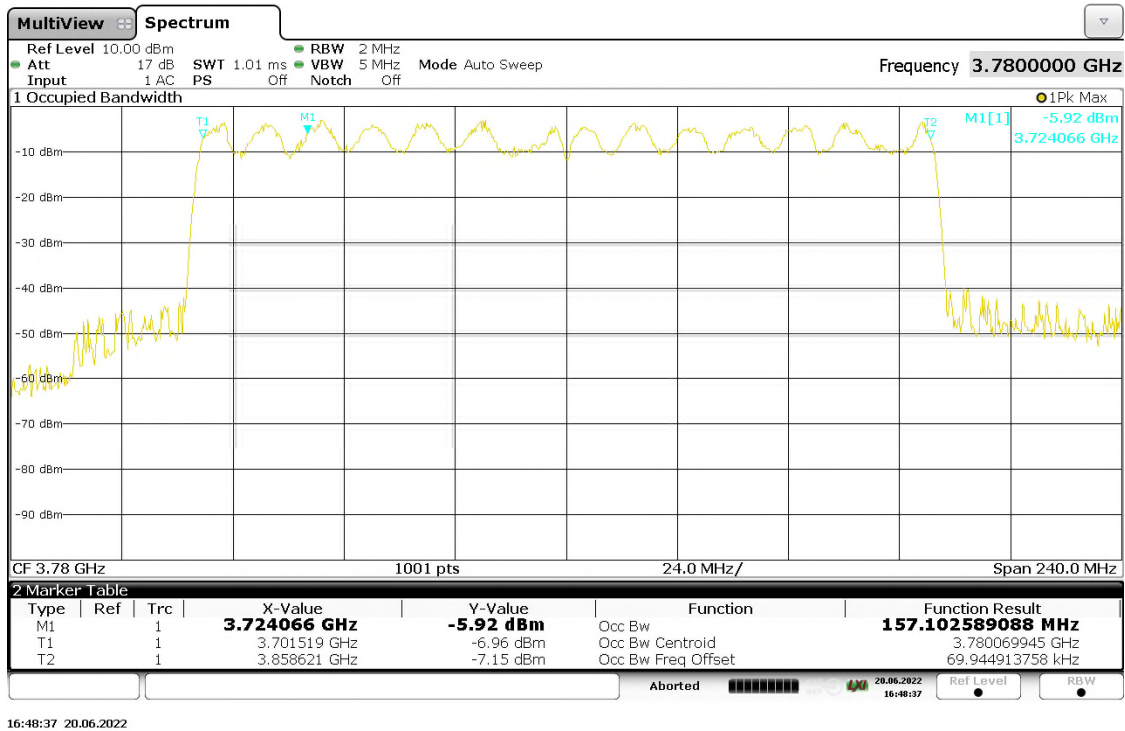
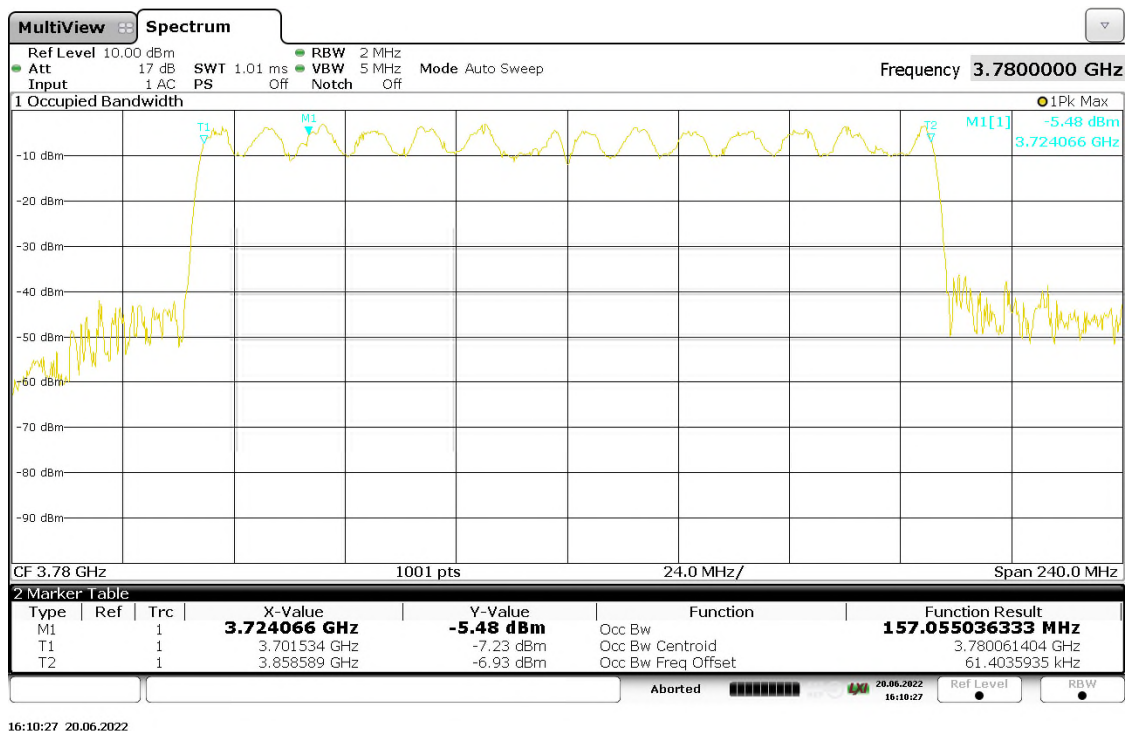


Figure 197: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), 16QAM_TM3.2, Low Channel, TX Port 28



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Figure 198: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), 64QAM_TM3.1, Low Channel, TX Port 12

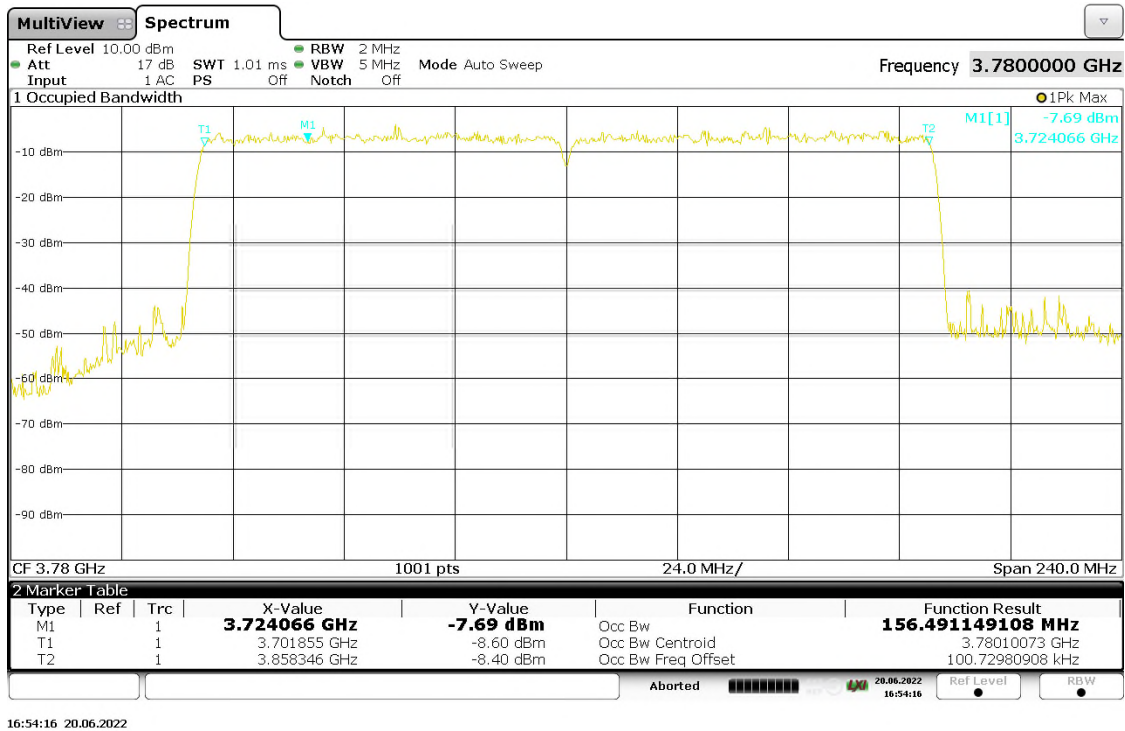


Figure 199: 99% Occupied Bandwidth, 2cc-3a (OBW=80MHz+80MHz), 64QAM_TM3.1, Low Channel, TX Port 28

