



Test Report - FCC Part 90 Booster Class A (B9A)

Applicant: Fiplex Communications Inc.

Signature:

A handwritten signature in black ink, appearing to read "Tim Royer", written over a horizontal line.

Sr. EMC Engineer
EMC-003838-NE



Name & Title: Tim Royer, Lab Manager

Date of Signature 2026-06-23

Signature:

A handwritten signature in black ink, appearing to read "Brock Oelze", written over a horizontal line.

Name & Title: Brock Oelze, Senior Test Engineer

Date of Signature 2026-06-23

Prepared By: Mark Learner, Technical Writer

This test report relates only to the items tested as identified and is not valid for any subsequent changes or modifications made to the equipment under test.

Table of Contents

1.	APPLICANT INFORMATION	10
1.1	TEST RESULT SUMMARY	10
2.	LOCATION OF TESTING.....	14
2.1	TEST LABORATORY.....	14
3.	TEST SAMPLE(S) (EUT/DUT)	14
3.1	DEFINITIONS	15
3.2	DESCRIPTION OF THE EUT	16
3.3	CONFIGURATION OF EUT	17
3.4	TEST SETUP OF EUT	17
4.	TEST METHODS & APPLICABLE REGULATORY LIMITS.....	18
4.1	TEST METHODS/STANDARDS/GUIDANCE:.....	18
4.2	APPLIED LIMITS AND REGULATORY LIMITS:.....	18
5.	MEASUREMENT UNCERTAINTY.....	18
6.	ENVIRONMENTAL CONDITIONS.....	19
6.1	TEMPERATURE & HUMIDITY	19
7.	LIST OF TEST EQUIPMENT AND TEST FACILITY.....	20
7.1	LIST OF TEST EQUIPMENT	20
8.	TEST RESULTS	22
8.1	POWER AT THE FINAL AMPLIFIER.....	23
8.2	RF OUTPUT POWER & GAIN.....	24
8.3	OUT-OF-BAND REJECTION.....	27
8.3.1	700 MHz Band, Uplink, Class A.....	28
8.3.2	700 MHz Band, Downlink, Class A.....	29
8.3.3	800 MHz Band, Uplink, Class A.....	30
8.3.4	800 MHz Band, Downlink, Class A.....	31
8.4	BANDWIDTH & EMISSION	32
8.5	INPUT VS OUTPUT SIGNAL COMPARISON	33
8.5.1	6.25 kHz FM, Input Signal	36
8.5.2	12.5 kHz FM, Input Signal.....	37
8.5.3	25 kHz FM, Input Signal.....	38
8.5.4	C4FM, Input Signal.....	39
8.5.5	H-CPM, Input Signal.....	40
8.5.6	H-DQPSK, Input Signal.....	41
8.5.7	6.25 kHz, FM, DL Mask C, AGC, 758 MHz.....	42
8.5.8	6.25 kHz, FM, DL Mask C, AGC +3, 758 MHz	43
8.5.9	12.5 kHz, FM, DL Mask C, AGC, 758 MHz.....	44
8.5.10	12.5 kHz, FM, DL Mask C, AGC+3, 758 MHz.....	45
8.5.11	25 kHz FM, DL Mask C, AGC, 758 MHz.....	46
8.5.12	25 kHz FM, DL Mask C, AGC+3, 758 MHz.....	47

8.5.13	C4FM, DL Mask C, AGC, 758 MHz.....	48
8.5.14	C4FM, DL Mask C, AGC+3, 758 MHz.....	49
8.5.15	H-CPM, DL Mask C, AGC, 758 MHz.....	50
8.5.16	H-CPM, DL Mask C, AGC+3, 758 MHz.....	51
8.5.17	H-DQPSK, DL Mask C, AGC, 758 MHz.....	52
8.5.18	H-DQPSK, DL Mask C, AGC+3, 758 MHz.....	53
8.5.19	6.25 kHz, FM, DL Mask C, AGC, 763 MHz.....	54
8.5.20	6.25 kHz, FM, DL Mask C, AGC+3, 763 MHz.....	55
8.5.21	12.5 kHz, FM, DL Mask C, AGC, 763 MHz.....	56
8.5.22	12.5 kHz, FM, DL Mask C, AGC+3, 763 MHz.....	57
8.5.23	25 kHz FM, DL Mask C, AGC, 763 MHz.....	58
8.5.24	25 kHz FM, DL Mask C, AGC+3, 763 MHz.....	59
8.5.25	C4FM, DL Mask C, AGC, 763 MHz.....	60
8.5.26	C4FM, DL Mask C, AGC+3, 763 MHz.....	61
8.5.27	H-CPM, DL Mask C, AGC, 763 MHz.....	62
8.5.28	H-CPM, DL Mask C, AGC+3, 763 MHz.....	63
8.5.29	H-DQPSK, DL Mask C, AGC, 763 MHz.....	64
8.5.30	H-DQPSK, DL Mask C, AGC+3, 763 MHz.....	65
8.5.31	6.25 kHz, FM, DL Mask C, AGC, 767 MHz.....	66
8.5.32	6.25 kHz, FM, DL Mask C, AGC +3, 767 MHz.....	67
8.5.33	12.5 kHz, FM, DL Mask C, AGC, 767 MHz.....	68
8.5.34	12.5 kHz, FM, DL Mask C, AGC+3, 767 MHz.....	69
8.5.35	25 kHz FM, DL Mask C, AGC, 767 MHz.....	70
8.5.36	25 kHz FM, DL Mask C, AGC+3, 767 MHz.....	71
8.5.37	C4FM, DL Mask C, AGC, 767 MHz.....	72
8.5.38	C4FM, DL Mask C, AGC+3, 767 MHz.....	73
8.5.39	H-CPM, DL Mask C, AGC, 767 MHz.....	74
8.5.40	H-CPM, DL Mask C, AGC+3, 767 MHz.....	75
8.5.41	H-DQPSK, DL Mask C, AGC, 767 MHz.....	76
8.5.42	H-DQPSK, DL Mask C, AGC+3, 767 MHz.....	77
8.5.43	6.25 kHz, FM, DL Mask C, AGC, 774 MHz.....	78
8.5.44	6.25 kHz, FM, DL Mask C, AGC +3, 774 MHz.....	79
8.5.45	12.5 kHz, FM, DL Mask C, AGC, 774 MHz.....	80
8.5.46	12.5 kHz, FM, DL Mask C, AGC+3, 774 MHz.....	81
8.5.47	25 kHz FM, DL Mask C, AGC, 774 MHz.....	82
8.5.48	25 kHz FM, DL Mask C, AGC+3, 774 MHz.....	83
8.5.49	C4FM, DL Mask C, AGC, 774 MHz.....	84
8.5.50	C4FM, DL Mask C, AGC+3, 774 MHz.....	85
8.5.51	H-CPM, DL Mask C, AGC, 774 MHz.....	86
8.5.52	H-CPM, DL Mask C, AGC+3, 774 MHz.....	87
8.5.53	H-DQPSK, DL Mask C, AGC, 774 MHz.....	88
8.5.54	H-DQPSK, DL Mask C, AGC+3, 774 MHz.....	89
8.5.55	6.25 kHz, FM, UL Mask C, AGC, 788 MHz.....	90
8.5.56	6.25 kHz, FM, UL Mask C, AGC+3, 788 MHz.....	91
8.5.57	12.5 kHz, FM, UL Mask C, AGC, 788 MHz.....	92
8.5.58	12.5 kHz, FM, UL Mask C, AGC+3, 788 MHz.....	93
8.5.59	25 kHz FM, UL Mask C, AGC, 788 MHz.....	94
8.5.60	25 kHz FM, UL Mask C, AGC+3, 788 MHz.....	95

8.5.61	C4FM, UL Mask C, AGC, 788 MHz.....	96
8.5.62	C4FM, UL Mask C, AGC+3, 788 MHz.....	97
8.5.63	H-CPM, UL Mask C, AGC, 788 MHz.....	98
8.5.64	H-CPM, UL Mask C, AGC+3, 788 MHz.....	99
8.5.65	H-DQPSK, UL Mask C, AGC, 788 MHz.....	100
8.5.66	H-DQPSK, UL Mask C, AGC+3, 788 MHz.....	101
8.5.67	6.25 kHz, FM, UL Mask C, AGC, 793 MHz.....	102
8.5.68	6.25 kHz, FM, UL Mask C, AGC+3, 793 MHz.....	103
8.5.69	12.5 kHz, FM, UL Mask C, AGC, 793 MHz.....	104
8.5.70	12.5 kHz, FM, UL Mask C, AGC+3, 793 MHz.....	105
8.5.71	25 kHz FM, UL Mask C, AGC, 793 MHz.....	106
8.5.72	25 kHz FM, UL Mask C, AGC+3, 793 MHz.....	107
8.5.73	C4FM, UL Mask C, AGC, 793 MHz.....	108
8.5.74	C4FM, UL Mask C, AGC+3, 793 MHz.....	109
8.5.75	H-CPM, UL Mask C, AGC, 793 MHz.....	110
8.5.76	H-CPM, UL Mask C, AGC+3, 793 MHz.....	111
8.5.77	H-DQPSK, UL Mask C, AGC, 793 MHz.....	112
8.5.78	H-DQPSK, UL Mask C, AGC+3, 793 MHz.....	113
8.5.79	6.25 kHz, FM, UL Mask C, AGC, 797 MHz.....	114
8.5.80	6.25 kHz, FM, UL Mask C, AGC+3, 797 MHz.....	115
8.5.81	12.5 kHz, FM, UL Mask C, AGC, 797 MHz.....	116
8.5.82	12.5 kHz, FM, UL Mask C, AGC+3, 797 MHz.....	117
8.5.83	25 kHz FM, UL Mask C, AGC, 797 MHz.....	118
8.5.84	25 kHz FM, UL Mask C, AGC+3, 797 MHz.....	119
8.5.85	C4FM, UL Mask C, AGC, 797 MHz.....	120
8.5.86	C4FM, UL Mask C, AGC+3, 797 MHz.....	121
8.5.87	H-CPM, UL Mask C, AGC, 797 MHz.....	122
8.5.88	H-CPM, UL Mask C, AGC+3, 797 MHz.....	123
8.5.89	H-DQPSK, UL Mask C, AGC, 797 MHz.....	124
8.5.90	H-DQPSK, UL Mask C, AGC+3, 797 MHz.....	125
8.5.91	6.25 kHz, FM, UL Mask C, AGC, 804 MHz.....	126
8.5.92	6.25 kHz, FM, UL Mask C, AGC+3, 804 MHz.....	127
8.5.93	12.5 kHz, FM, UL Mask C, AGC, 804 MHz.....	128
8.5.94	12.5 kHz, FM, UL Mask C, AGC+3, 804 MHz.....	129
8.5.95	25 kHz FM, UL Mask C, AGC, 804 MHz.....	130
8.5.96	25 kHz FM, UL Mask C, AGC+3, 804 MHz.....	131
8.5.97	C4FM, UL Mask C, AGC, 804 MHz.....	132
8.5.98	C4FM, UL Mask C, AGC+3, 804 MHz.....	133
8.5.99	H-CPM, UL Mask C, AGC, 804 MHz.....	134
8.5.100	H-CPM, UL Mask C, AGC+3, 804 MHz.....	135
8.5.101	H-DQPSK, UL Mask C, AGC, 804 MHz.....	136
8.5.102	H-DQPSK, UL Mask C, AGC+3, 804 MHz.....	137
8.5.103	6.25 kHz, FM, UL Mask H, AGC, 806 MHz.....	138
8.5.104	6.25 kHz, FM, UL Mask H, AGC+3, 806 MHz.....	139
8.5.105	12.5 kHz, FM, UL Mask H, AGC, 806 MHz.....	140
8.5.106	12.5 kHz, FM, UL Mask H, AGC+3, 806 MHz.....	141
8.5.107	25 kHz FM, UL Mask H, AGC, 806 MHz.....	142
8.5.108	25 kHz FM, UL Mask H, AGC+3, 806 MHz.....	143

8.5.109	C4FM, UL Mask H, AGC, 806 MHz.....	144
8.5.110	C4FM, UL Mask H, AGC+3, 806 MHz.....	145
8.5.111	H-CPM, UL Mask H, AGC, 806 MHz.....	146
8.5.112	H-CPM, UL Mask H, AGC+3, 806 MHz.....	147
8.5.113	H-DQPSK, UL Mask H, AGC, 806 MHz.....	148
8.5.114	H-DQPSK, UL Mask H, AGC+3, 806 MHz.....	149
8.5.115	6.25 kHz, FM, UL Mask D, AGC, 816 MHz.....	150
8.5.116	6.25 kHz, FM, UL Mask D, AGC+3, 816 MHz.....	151
8.5.117	12.5 kHz, FM, UL Mask D, AGC, 816 MHz.....	152
8.5.118	12.5 kHz, FM, UL Mask D, AGC+3, 816 MHz.....	153
8.5.119	25 kHz FM, UL Mask D, AGC, 816 MHz.....	154
8.5.120	25 kHz FM, UL Mask D, AGC+3, 816 MHz.....	155
8.5.121	C4FM, UL Mask D, AGC, 816 MHz.....	156
8.5.122	C4FM, UL Mask D, AGC+3, 816 MHz.....	157
8.5.123	H-CPM, UL Mask D, AGC, 816 MHz.....	158
8.5.124	H-CPM, UL Mask D, AGC+3, 816 MHz.....	159
8.5.125	H-DQPSK, UL Mask D, AGC, 816 MHz.....	160
8.5.126	H-DQPSK, UL Mask D, AGC+3, 816 MHz.....	161
8.5.127	6.25 kHz, FM, UL Mask D, AGC, 823 MHz.....	162
8.5.128	6.25 kHz, FM, UL Mask D, AGC+3, 823 MHz.....	163
8.5.129	12.5 kHz, FM, UL Mask D, AGC, 823 MHz.....	164
8.5.130	12.5 kHz, FM, UL Mask D, AGC+3, 823 MHz.....	165
8.5.131	25 kHz FM, UL Mask D, AGC, 823 MHz.....	166
8.5.132	25 kHz FM, UL Mask D, AGC+3, 823 MHz.....	167
8.5.133	C4FM, UL Mask D, AGC, 823 MHz.....	168
8.5.134	C4FM, UL Mask D, AGC+3, 823 MHz.....	169
8.5.135	H-CPM, UL Mask D, AGC, 823 MHz.....	170
8.5.136	H-CPM, UL Mask D, AGC+3, 823 MHz.....	171
8.5.137	H-DQPSK, UL Mask D, AGC, 823 MHz.....	172
8.5.138	H-DQPSK, UL Mask D, AGC+3, 823 MHz.....	173
8.5.139	6.25 kHz, FM, DL Mask H, AGC, 851 MHz.....	174
8.5.140	6.25 kHz, FM, DL Mask H, AGC+3, 851 MHz.....	175
8.5.141	12.5 kHz, FM, DL Mask H, AGC, 851 MHz.....	176
8.5.142	12.5 kHz, FM, DL Mask H, AGC+3, 851 MHz.....	177
8.5.143	25 kHz FM, DL Mask H, AGC, 851 MHz.....	178
8.5.144	25 kHz FM, DL Mask H, AGC+3, 851 MHz.....	179
8.5.145	C4FM, DL Mask H, AGC, 851 MHz.....	180
8.5.146	C4FM, DL Mask H, AGC+3, 851 MHz.....	181
8.5.147	H-CPM, DL Mask H, AGC, 851 MHz.....	182
8.5.148	H-CPM, DL Mask H, AGC+3, 851 MHz.....	183
8.5.149	H-DQPSK, DL Mask H, AGC, 851 MHz.....	184
8.5.150	H-DQPSK, DL Mask H, AGC+3, 851 MHz.....	185
8.5.151	6.25 kHz, FM, DL Mask D, AGC, 861 MHz.....	186
8.5.152	6.25 kHz, FM, DL Mask D, AGC+3, 861 MHz.....	187
8.5.153	12.5 kHz, FM, DL Mask D, AGC, 861 MHz.....	188
8.5.154	12.5 kHz, FM, DL Mask D, AGC+3, 861 MHz.....	189
8.5.155	25 kHz FM, DL Mask D, AGC, 861 MHz.....	190
8.5.156	25 kHz FM, DL Mask D, AGC+3, 861 MHz.....	191

8.5.157	C4FM, DL Mask D, AGC, 861 MHz.....	192
8.5.158	C4FM, DL Mask D, AGC+3, 861 MHz	193
8.5.159	H-CPM, DL Mask D, AGC, 861 MHz.....	194
8.5.160	H-CPM, DL Mask D, AGC+3, 861 MHz.....	195
8.5.161	H-DQPSK, DL Mask D, AGC, 861 MHz.....	196
8.5.162	H-DQPSK, DL Mask D, AGC+3, 861 MHz.....	197
8.5.163	6.25 kHz, FM, DL Mask D, AGC, 868 MHz	198
8.5.164	6.25 kHz, FM, DL Mask D, AGC+3, 868 MHz.....	199
8.5.165	12.5 kHz, FM, DL Mask D, AGC, 868 MHz.....	200
8.5.166	12.5 kHz, FM, DL Mask D, AGC+3, 868 MHz.....	201
8.5.167	25 kHz FM, DL Mask D, AGC, 868 MHz.....	202
8.5.168	25 kHz FM, DL Mask D, AGC+3, 868 MHz.....	203
8.5.169	C4FM, DL Mask D, AGC, 868 MHz.....	204
8.5.170	C4FM, DL Mask D, AGC+3, 868 MHz	205
8.5.171	H-CPM, DL Mask D, AGC, 868 MHz.....	206
8.5.172	H-CPM, DL Mask D, AGC+3, 868 MHz.....	207
8.5.173	H-DQPSK, DL Mask D, AGC, 868 MHz.....	208
8.5.174	H-DQPSK, DL Mask D, AGC+3, 868 MHz	209
8.6	NOISE FIGURE	210
8.7	OUT-OF-BAND/OUT-OF-BLOCK EMISSIONS (INTERMODULATION PRODUCTS)	211
8.7.1	6.25 kHz Signal, Downlink, AGC, 758 MHz.....	212
8.7.2	6.25 kHz Signal, Downlink, AGC+3dB, 758 MHz.....	213
8.7.3	12.5 kHz Signal, Downlink, AGC, 758 MHz	214
8.7.4	12.5 kHz Signal, Downlink, AGC+3dB, 758 MHz.....	215
8.7.5	25 kHz Signal, Downlink, AGC, 758 MHz	216
8.7.6	25 kHz Signal, Downlink, AGC+3dB, 758 MHz.....	217
8.7.7	6.25 kHz Signal, Downlink, AGC, 763 MHz.....	218
8.7.8	6.25 kHz Signal, Downlink, AGC+3dB, 763 MHz	219
8.7.9	12.5 kHz Signal, Downlink, AGC, 763 MHz.....	220
8.7.10	12.5 kHz Signal, Downlink, AGC+3dB, 763 MHz.....	221
8.7.11	25 kHz Signal, Downlink, AGC, 763 MHz.....	222
8.7.12	25 kHz Signal, Downlink, AGC+3dB, 763 MHz.....	223
8.7.13	6.25 kHz Signal, Downlink, AGC, 767 MHz.....	224
8.7.14	6.25 kHz Signal, Downlink, AGC+3dB, 767 MHz.....	225
8.7.15	12.5 kHz Signal, Downlink, AGC, 767 MHz	226
8.7.16	12.5 kHz Signal, Downlink, AGC+3dB, 767 MHz.....	227
8.7.17	25 kHz Signal, Downlink, AGC, 767 MHz	228
8.7.18	25 kHz Signal, Downlink, AGC+3dB, 767 MHz.....	229
8.7.19	6.25 kHz Signal, Downlink, AGC, 774 MHz.....	230
8.7.20	6.25 kHz Signal, Downlink, AGC+3dB, 774 MHz.....	231
8.7.21	12.5 kHz Signal, Downlink, AGC, 774 MHz	232
8.7.22	12.5 kHz Signal, Downlink, AGC+3dB, 774 MHz.....	233
8.7.23	25 kHz Signal, Downlink, AGC, 774 MHz	234
8.7.24	25 kHz Signal, Downlink, AGC+3dB, 774 MHz.....	235
8.7.25	6.25 kHz Signal, Downlink, AGC, 851 MHz.....	236
8.7.26	6.25 kHz Signal, Downlink, AGC+3dB, 851 MHz.....	237
8.7.27	12.5 kHz Signal, Downlink, AGC, 851 MHz.....	238
8.7.28	12.5 kHz Signal, Downlink, AGC+3dB, 851 MHz	239

8.7.29	25 kHz Signal, Downlink, AGC, 851 MHz	240
8.7.30	25 kHz Signal, Downlink, AGC+3dB, 851 MHz.....	241
8.7.31	6.25 kHz Signal, Downlink, AGC, 861 MHz.....	242
8.7.32	6.25 kHz Signal, Downlink, AGC+3dB, 861 MHz.....	243
8.7.33	12.5 kHz Signal, Downlink, AGC, 861 MHz	244
8.7.34	12.5 kHz Signal, Downlink, AGC+3dB, 861 MHz.....	245
8.7.35	25 kHz Signal, Downlink, AGC, 861 MHz	246
8.7.36	25 kHz Signal, Downlink, AGC+3dB, 861 MHz.....	247
8.7.37	6.25 kHz Signal, Downlink, AGC, 868 MHz.....	248
8.7.38	6.25 kHz Signal, Downlink, AGC+3dB, 868 MHz	249
8.7.39	12.5 kHz Signal, Downlink, AGC, 868 MHz.....	250
8.7.40	12.5 kHz Signal, Downlink, AGC+3dB, 868 MHz.....	251
8.7.41	25 kHz Signal, Downlink, AGC, 868 MHz.....	252
8.7.42	25 kHz Signal, Downlink, AGC+3dB, 868 MHz	253
8.7.43	6.25 kHz Signal, Uplink, AGC, 788 MHz.....	254
8.7.44	6.25 kHz Signal, Uplink, AGC+3dB, 788 MHz.....	255
8.7.45	12.5 kHz Signal, Uplink, AGC, 788 MHz	256
8.7.46	12.5 kHz Signal, Uplink, AGC+3dB, 788 MHz	257
8.7.47	25 kHz Signal, Uplink, AGC, 788 MHz	258
8.7.48	25 kHz Signal, Uplink, AGC+3dB, 788 MHz.....	259
8.7.49	6.25 kHz Signal, Uplink, AGC, 793 MHz.....	260
8.7.50	6.25 kHz Signal, Uplink, AGC+3dB, 793 MHz.....	261
8.7.51	12.5 kHz Signal, Uplink, AGC, 793 MHz	262
8.7.52	12.5 kHz Signal, Uplink, AGC+3dB, 793 MHz.....	263
8.7.53	25 kHz Signal, Uplink, AGC, 793 MHz.....	264
8.7.54	25 kHz Signal, Uplink, AGC+3dB, 793 MHz.....	265
8.7.55	6.25 kHz Signal, Uplink, AGC, 797 MHz.....	266
8.7.56	6.25 kHz Signal, Uplink, AGC+3dB, 797 MHz.....	267
8.7.57	12.5 kHz Signal, Uplink, AGC, 797 MHz.....	268
8.7.58	12.5 kHz Signal, Uplink, AGC+3dB, 797 MHz.....	269
8.7.59	25 kHz Signal, Uplink, AGC, 797 MHz	270
8.7.60	25 kHz Signal, Uplink, AGC+3dB, 797 MHz.....	271
8.7.61	6.25 kHz Signal, Uplink, AGC, 804 MHz.....	272
8.7.62	6.25 kHz Signal, Uplink, AGC+3dB, 804 MHz	273
8.7.63	12.5 kHz Signal, Uplink, AGC, 804 MHz	274
8.7.64	12.5 kHz Signal, Uplink, AGC+3dB, 804 MHz.....	275
8.7.65	25 kHz Signal, Uplink, AGC, 804 MHz.....	276
8.7.66	25 kHz Signal, Uplink, AGC+3dB, 804 MHz.....	277
8.7.67	6.25 kHz Signal, Uplink, AGC, 806 MHz.....	278
8.7.68	6.25 kHz Signal, Uplink, AGC+3dB, 806 MHz	279
8.7.69	12.5 kHz Signal, Uplink, AGC, 806 MHz.....	280
8.7.70	12.5 kHz Signal, Uplink, AGC+3dB, 806 MHz.....	281
8.7.71	25 kHz Signal, Uplink, AGC, 806 MHz.....	282
8.7.72	25 kHz Signal, Uplink, AGC+3dB, 806 MHz.....	283
8.7.73	6.25 kHz Signal, Uplink, AGC, 816 MHz	284
8.7.74	6.25 kHz Signal, Uplink, AGC+3dB, 816 MHz.....	285
8.7.75	12.5 kHz Signal, Uplink, AGC, 816 MHz.....	286
8.7.76	12.5 kHz Signal, Uplink, AGC+3dB, 816 MHz	287

8.7.77	25 kHz Signal, Uplink, AGC, 816 MHz	288
8.7.78	25 kHz Signal, Uplink, AGC+3dB, 816 MHz	289
8.7.79	6.25 kHz Signal, Uplink, AGC, 823 MHz	290
8.7.80	6.25 kHz Signal, Uplink, AGC+3dB, 823 MHz	291
8.7.81	12.5 kHz Signal, Uplink, AGC, 823 MHz	292
8.7.82	12.5 kHz Signal, Uplink, AGC+3dB, 823 MHz	293
8.7.83	25 kHz Signal, Uplink, AGC, 823 MHz	294
8.7.84	25 kHz Signal, Uplink, AGC+3dB, 823 MHz	295
8.8	EMISSION MASK, OUT-OF-BAND	296
8.8.1	30 MHz to 1 GHz, 758 MHz	297
8.8.2	1 GHz to 10 th Harmonic, 758 MHz	298
8.8.3	30 MHz to 1 GHz, 763 MHz	299
8.8.4	1 GHz to 10 th Harmonic, 763 MHz	300
8.8.5	30 MHz to 1 GHz, 767 MHz	301
8.8.6	1 GHz to 10 th Harmonic, 767 MHz	302
8.8.7	30 MHz to 1 GHz, 774 MHz	303
8.8.8	1 GHz to 10 th Harmonic, 774 MHz	304
8.8.9	30 MHz to 1 GHz, 788 MHz	305
8.8.10	1 GHz to 10 th Harmonic, 788 MHz	306
8.8.11	30 MHz to 1 GHz, 793 MHz	307
8.8.12	1 GHz to 10 th Harmonic, 793 MHz	308
8.8.13	30 MHz to 1 GHz, 797 MHz	309
8.8.14	1 GHz to 10 th Harmonic, 797 MHz	310
8.8.15	30 MHz to 1 GHz, 804 MHz	311
8.8.16	1 GHz to 10 th Harmonic, 804 MHz	312
8.8.17	30 MHz to 1 GHz, 806 MHz	313
8.8.18	1 GHz to 10 th Harmonic, XXX MHz	314
8.8.19	30 MHz to 1 GHz, 816 MHz	315
8.8.20	1 GHz to 10 th Harmonic, 816 MHz	316
8.8.21	30 MHz to 1 GHz, 823 MHz	317
8.8.22	1 GHz to 10 th Harmonic, 823 MHz	318
8.8.23	30 MHz to 1 GHz, 851 MHz	319
8.8.24	1 GHz to 10 th Harmonic, 851 MHz	320
8.8.25	30 MHz to 1 GHz, 861 MHz	321
8.8.26	1 GHz to 10 th Harmonic, 861 MHz	322
8.8.27	30 MHz to 1 GHz, 868 MHz	323
8.8.28	1 GHz to 10 th Harmonic, 868 MHz	324
8.9	SPURIOUS RADIATED EMISSIONS	325
8.9.1	700 MHz Band Uplink, 788 MHz	326
8.9.2	700 MHz Band Uplink, 793 MHz	327
8.9.3	700 MHz Band Uplink, 797 MHz	328
8.9.4	700 MHz Band Uplink, 804 MHz	329
8.9.5	700 MHz Band Downlink, 758 MHz	330
8.9.6	700 MHz Band Downlink, 763 MHz	331
8.9.7	700 MHz Band Downlink, 767 MHz	332
8.9.8	700 MHz Band Downlink, 774 MHz	333
8.9.9	800 MHz Band Uplink, 806 MHz	334
8.9.10	800 MHz Band Uplink, 816 MHz	335

8.9.11	800 MHz Band Uplink, 823 MHz.....	336
8.9.12	800 MHz Band Downlink, 851 MHz.....	337
8.9.13	800 MHz Band Downlink, 861 MHz.....	338
8.9.14	800 MHz Band Downlink, 868 MHz.....	339
8.10	MODULATION CHARACTERISTICS.....	340
8.11	FREQUENCY STABILITY	341
8.12	TRANSIENT FREQUENCY BEHAVIOR.....	342
8.13	ADJACENT CHANNEL POWER LIMITS.....	343
8.13.1	25 kHz AGC, 816 MHz.....	344
8.13.1	25 kHz AGC+3, 816 MHz.....	345
8.13.2	25 kHz AGC, 823 MHz	346
8.13.3	25 kHz AGC+3, 823 MHz.....	347
8.13.4	25 kHz AGC, 861 MHz.....	348
8.13.5	25 kHz AGC+3, 861 MHz.....	349
8.13.6	25 kHz AGC, 868 MHz	350
8.13.7	25 kHz AGC+3, 868 MHz	351
9.	ANNEX-B – TEST SETUP PHOTOGRAPHS.....	352
10.	HISTORY OF TEST REPORT CHANGES	352

1. Applicant Information

Applicant: Fiplex Communications Inc.
Address: 2101 NW 79th Avenue
Miami, Florida, 33122, United States

1.1 Test Result Summary

The following test procedure and guidance were used for measuring FCC PART 90 (PRIVATE LAND MOBILE RADIO SERVICES) known as Licensed Land Mobile; ANSI C63.26-2015 and FCC KDB 935210 D05 v01r04 Industrial Signal Boosters. Full test results are available in this report.

No additions to the test methods were needed. There were no deviations, or exclusions from the test methods. No test results are from external providers or from the customer. The test results relate only to the items tested. IIA Lab Services LLC does not offer opinions and interpretations, only a pass/fail statement.

Applicable Clauses from Part 2		
FCC Part 2 Clauses	Description of the requirements	Result: (Pass, Fail, N/A)
2.202	Bandwidth & Emission	Pass
2.1033 (c)(8)	Power at the Final Amplifier	Pass
2.1046 (a)	RF Output Power	Pass
2.1047	Modulation characteristics	n/a
2.1049	Occupied Bandwidth	Pass
2.1051	Spurious emissions at antenna terminals	Pass
2.1053	Field strength of spurious radiation	Pass
2.1055	Frequency stability	n/a

Applicable Clauses from Part 90 Subpart I		
FCC Part 90 Clauses	Description of the requirements	Result: (Pass, Fail, N/A)
90.205	Transmitter Power	Pass
90.207	Types of Emissions	Pass
90.209	Bandwidth limitations	Pass
90.210	Emission masks, In-band	Pass
90.210	Emission masks, Out-of-band	Pass
90.213	Frequency stability	n/a
90.214	Transient Frequency Behavior	n/a
90.219 (d)(6)(i)	ERP of intermodulation products	n/a ¹
90.219 (d)(6)(ii)	ERP of noise within the passband	n/a ¹
90.219 (d)(6)(iii)	ERP of noise on spectrum < 1 MHz outside of the passband	n/a ¹
90.219 (d)(3)(i), (e)(1)	ERP of Radiated Power	n/a ¹
90.219 (e)(2)	Noise figure	Pass
90.219 (e)(3)	Spurious emissions	Pass
90.219 (e)(4)(i)(ii)(iii)	Retransmitted Signals	Pass
90.221	Adjacent channel power limits	Pass

Note 1: Requirements in Part 90.219 (d) apply at deployment of this EUT, therefore are not applicable at certification.

KDB 935210 D05 v01r04		
FCC KDB 935210 D05 Clauses	Description of the requirements	Result: (Pass, Fail, N/A)
4.1	Test Signals for PLMRS (Input Signals)	Pass
4.2	AGC Threshold	Reported
4.3	Out-of-Band Rejection	Reported
4.4	Input-versus-Output Signal Comparison	Pass
4.5	Output Power	Pass
4.5	Amplifier/Booster Gain (optional)	Reported
4.6	Noise Figure	Pass
4.7.2	Out-of-band/Out-of-block Conducted Emissions (Intermodulation Products)	Pass
4.7.3	EUT Spurious Conducted Emissions	Pass
4.8	Frequency Stability	n/a
4.9	Spurious Radiated Emissions	Pass

KDB 484596 D01 v01		
FCC KDB 935210 D05 Clauses	Description of the requirements	Result: (Pass, Fail, N/A)
3 a	Introduction	Reported
3 b	Explain the Differences	Reported
3 c	Spot-check Verification Data	Pass
3 d	Reference Section	Reported

Introduction

Equipment classes B9A and B9B are not allowed to be filed under the same FCC ID. However, FCC ID P3THONFS-1A is electrically identical to FCC ID P3THONFS-1B. The EUT uses software to limit the passband, converting the EUT from a Class B Industrial Signal Booster into a Class A Industrial Signal Booster. The test data is valid to be re-used due to the Class B operation of the EUT being worst-case in all aspects. The Class A operation represented in this filing was equal or more compliant with FCC Part 90 in all respects. Therefore all testing is to be considered identical, and has been re-used following the guidelines of KDB 484596.

Explain the Differences

FCC ID P3THONFS-1A is electrically identical to FCC ID P3THONFS-1B and has no difference in hardware. The EUT uses software to limit the passband from widths equal to or greater than 75 kHz to widths less than 75 kHz.

Spot-Check Verification Data

Please see sections Out-of-Band Rejection and Spurious Radiated Emissions in this report for Spot-Check data.

Reference Section

All original test data is from FCC ID P3THONFS-1B, test report "TR_27685-26_FCC 90_Booster Class B_1".

2. Location of Testing

2.1 Test Laboratory

IIA Lab Services LLC. is a subsidiary of Industrial Inspection & Analysis, Inc. ("IIA"). Testing was performed at IIA's permanent laboratory located at 13146 NW 86th Drive, Suite 400, Alachua, Florida 32615.

FCC test firm # 578780

FCC Designation # US1070

FCC site registration is under A2LA certificate # 0955.01

ISED Canada test site registration # 2056A

EU Notified Body # 1177

For all designations see A2LA scope # 0955.01

3. Test Sample(s) (EUT/DUT)

The test sample was received: 2026-04-27

Dates of Testing: 2026-04-27 – 2026-05-12

3.1 Definitions

Signal booster: A device or system that automatically receives, amplifies, and retransmits signals from wireless stations into and out of building interiors, tunnels, shielded outdoor areas and other locations where these signals would otherwise be too weak for reliable communications. Signal booster systems may contain both Class A and Class B signal boosters as components.

Class A signal booster: A signal booster designed to retransmit signals on one or more specific channels. A signal booster is deemed to be a Class A signal booster if none of its passbands exceed 75 kHz.

Class B signal booster: A signal booster designed to retransmit any signals within a wide frequency band. A signal booster is deemed to be a Class B signal booster if it has a passband that exceeds 75 kHz.

3.2 Description of the EUT

A description as well as unambiguous identification of the EUT(s) tested. Where more than one sample is required for technical reasons (such as the use of connected units for the purpose of conducted output power testing where the product units will have integral antennas), each specific test shall identify which unit was tested.

Identification	
FCC ID:	P3THONFS-1A
Brief Description	High Power Digital Signal Booster
Model(s) #	HONFS-XB
Firmware version	N/A
Software version	N/A
Serial Number	N/A

Technical Characteristics	
Frequency Range	788 – 805 MHz 806 – 824 MHz 758 – 775 MHz 851 – 869 MHz
RF O/P Power (Max.)	31.64 dBm / 1.46 W
Modulation	FM
Bandwidth & Emission Class	4K04F3E 7K93F3E 10K3F3E 8K17F1D, 8K17F1E 8K33F1W 9K98F1D, 9K98F1E, 9K98D7W
Number of Channels	N/A
Duty Cycle	100%
Antenna Connector	N Type
Voltage Rating (AC or Batt.)	120V 6A

Antenna Characteristics			
Antenna	Frequency Range	Mode / BW	Antenna Gain
1	n/a	n/a	0 dBi

- Note: Information such as antenna gain, firmware/software numbers are provided by the manufacturer and cannot be validated by the test lab.

3.3 Configuration of EUT

Test Modes		
Band (MHz)	Link Direction	Test Frequencies (MHz)
788 – 805 MHz	Uplink	788 MHz
		793 MHz
		797 MHz
		804 MHz
758 – 775 MHz	Downlink	758 MHz
		763 MHz
		767 MHz
		774 MHz
806 – 824 MHz	Uplink	806 MHz
		816 MHz
		823 MHz
851 – 869 MHz	Downlink	851 MHz
		861 MHz
		868 MHz

Operating conditions during Testing:

No other modifications of the device under test (including firmware, specific software settings, and input/output signal levels to the EUT) were made.

Peripherals used during Testing:

A laptop provided by the manufacturer was used to program the EUT.

3.4 Test Setup of EUT

Equipment, antenna, and cable arrangement. The setup of the equipment and cable or wire placement on the test site that produces the highest radiated and the highest ac power line conducted emissions shall be shown clearly and described. Information on the orientation of portable equipment during testing shall be included. Drawings or photographs may be used for this purpose.

Test Setups are included in the test report.

4. Test methods & Applicable Regulatory Limits

4.1 Test methods/Standards/Guidance:

Test procedures and guidance for measuring Licensed Part 90 Licensed device:

- 1) ANSI C63.26-2015
- 2) FCC KDB 935210 D05 v01r04 Industrial Signal Boosters

4.2 Applied Limits and Regulatory Limits:

- 1) FCC CFR 47 Part 90 (2026)

5. Measurement Uncertainty

Parameter	Uncertainty (dB)
Conducted Emissions	± 3.14 dB
Radiated Emissions (9kHz – 30 MHz)	± 3.08 dB
Radiated Emissions (30 – 200 MHz)	± 2.16 dB
Radiated Emissions (200 – 1000 MHz)	± 2.15 dB
Radiated Emissions (1 GHz – 18 GHz)	± 2.14 dB
Radiated Emissions (18 GHz – 40 GHz)	± 2.31 dB
Note: The uncertainties provided in this table represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of K=2.	

6. Environmental Conditions

6.1 Temperature & Humidity

Measurements performed at the test site did not exceed the following:

Parameter	Measurement
Temperature	23 C +/- 5%
Humidity	55% +/- 5%
Barometric Pressure	30.05 in Hg
Note: Specific environmental conditions that are applicable to a specific test are available in the test result section.	

7. List of Test Equipment and Test Facility

The test equipment used identified by type, manufacturer, serial number, or other identification and the date on which the next calibration or service check is due.

Description of the firmware or software used to operate EUT for testing purposes.

A complete list of all test equipment used shall be included with the test report. The manufacturer's model and serial numbers, and date of last calibration, and calibration interval shall be included. Measurement cable loss, measuring instrument bandwidth and detector function, video bandwidth, if appropriate, and antenna factors shall also be included where applicable.

7.1 List of Test Equipment

Test Equipment						
Type	Device	Manufacturer	Model	SN#	Current Cal	Cal Due
Antenna, NSA	Log-Periodic 1243	Eaton	96005	1243	10/23/25	10/23/2027
Antenna	Double-Ridged Horn/ETS Horn 1	ETS-Lindgren	3117	00035923	5/31/23	5/30/26
CHAMBER	CHAMBER	Panashield	3M	N/A	12/31/25	12/31/2027
Pre-amp	Pre-amp	RF-LAMBDA	RLNA00M45GA	NA	9/3/25	9/3/2027
Receiver	EMI Test Receiver R&S ESW44	Rohde & Schwarz	ESW44	103049	1/20/25	1/20/2028
Signal Generator	Vector Signal Generator	Rohde & Schwarz	SMBV100B	1423.1003K02-105158-QL	5/19/25	5/19/2027
Signal Generator	Signal Generator	Hewlett Packard	8648C	3847A04696	3/31/2026	3/30/2028

Software			
Software	Author	Version	Validation on
ESW44 Firmware	Rohde & Schwarz	Windows 10 Version 2.10	2025
Field Strength	IIA	v4.10.7.0	2016
Field Meter	Wave Control SMP2	2.5.5	2024
EMC32	Rohde & Schwarz	11.60.00	2025

8. Test Results

The results of the test are usually indicated in the form of tables, spectrum analyzer plots, charts, sample calculations, as appropriate for each test procedure.

A description and/or a block diagram of the test setup is usually provided.

The measurement results, along with the appropriate limits for comparison, may be presented in tabular or graphical form. In addition, any variation in the measurement environment may be reported if applicable (e.g., a significant change of temperature that could affect the cable loss and amplifier response).

Unless noted otherwise in the referenced standard, the measurements of **ac power-line conducted emissions and conducted power output** will be reported in units of dB μ V. Unless noted otherwise in the referenced standard, the measurements of **radiated emissions** will be reported in units of decibels, referenced to one microvolt per meter (dB μ V/m) for electric fields, or to one ampere per meter (dBA/m) for magnetic fields, at the distance specified in the appropriate standards or requirements. The measurements of antenna-conducted power for receivers may be reported in units of dB μ V if the impedance of the measuring instrument is also reported. Otherwise, antenna-conducted power will be reported in units of decibels referenced to one milliwatt (dBm). All formulas for data conversions and conversion factors, if used, will be included in this measurement report.

Example:

Freq (MHz)	Meter Reading	+ ACF	+CL	= FS
33	20 dB μ V	+ 10.36 dB/m	+0.40 dB	=30.36 dB μ V/m @ 3m

$EIRP = P_{cond} \text{ (dBm)} + dBi$

8.1 Power at the Final Amplifier

Referenced from test report "TR_27685-26_FCC 90_Booster Class B_1.docx".

Limits from FCC Part 2.1033 (c)(8).

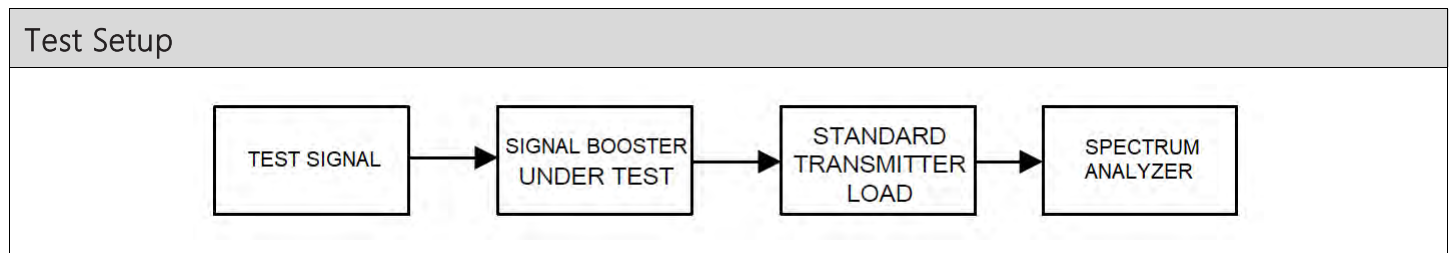
No method of measurement is specified. The result has been calculated based on all available information.

Test Results		
EUT Operating Voltage (V)	EUT Current (A)	Power at the Final Amplifier (W)
120	6	720

8.2 RF Output Power & Gain

Referenced from test report "TR_27685-26_FCC 90_Booster Class B_1".

Limits from FCC Parts 2.1046(a), and 90.205 and test procedure from ANSI C63.26-2015 and FCC KDB 935210 D05 v01r04 Industrial Signal Boosters.



Test Results, Power Output		
Link Direction	Max Power Output (dBm)	Max Power Output (W)
788 – 805 MHz Uplink	28.97	0.79
758 – 775 MHz Downlink	31.64	1.46
806 – 824 MHz Uplink	28.57	0.72
851 – 869 MHz Downlink	31.49	1.41

Test Results, Gain					
Link Direction	Tuned Frequency (MHz)	Input Level	Power Input (dBm)	Power Output (dBm)	Gain (dB)
788 – 805 MHz Uplink	788	AGC	-63.90	28.82	92.72
		AGC+3	-60.90	28.84	89.74
	797	AGC	-63.70	28.79	92.49
		AGC+3	-60.70	28.93	89.63
	793	AGC	-63.70	28.70	92.4
		AGC+3	-60.70	28.88	89.58
	804	AGC	-64.20	28.83	93.03
		AGC+3	-61.20	28.97	90.17
758 – 775 MHz Downlink	758	AGC	-61.30	30.71	92.01
		AGC+3	-58.30	30.72	89.02
	763	AGC	-60	31.64	91.64
		AGC+3	-57	31.56	88.56
	767	AGC	-60.30	31.52	91.82
		AGC+3	-57.30	31.50	88.8
	774	AGC	-61.40	30.76	92.16
		AGC+3	-58.40	30.69	89.09

6dB adjustment from splitter included in calculation

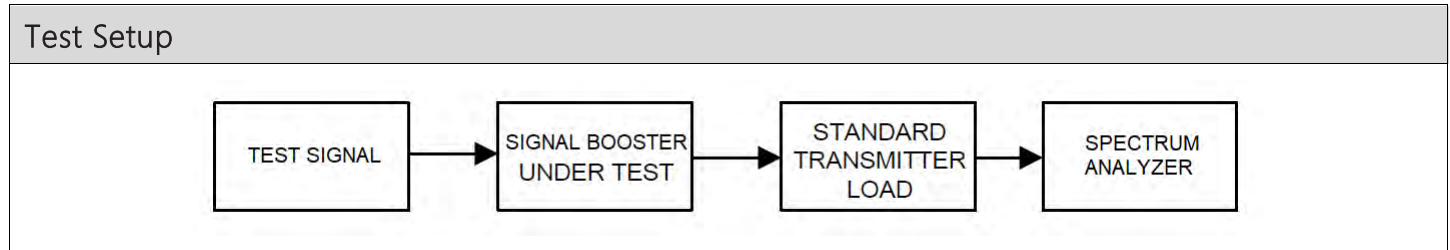
Test Results, Gain

Link Direction	Tuned Frequency (MHz)	Input Level	Power Input (dBm)	Power Output (dBm)	Gain (dB)
806 – 824 MHz Uplink	806	AGC	-64.50	28.35	92.85
		AGC+3	-61.50	28.42	89.92
	816	AGC	-64.20	28.57	92.77
		AGC+3	-61.20	28.55	89.75
	823	AGC	-64.40	28.44	92.84
		AGC+3	-61.40	28.46	89.86
851 – 869 MHz Downlink	851	AGC	-61.60	30.88	92.48
		AGC+3	-58.60	30.82	89.42
	861	AGC	-60.80	31.49	92.29
		AGC+3	-57.80	31.45	89.25
	868	AGC	-61.60	30.88	92.48
		AGC+3	-58.60	30.90	89.5

6dB adjustment from splitter included in calculation

8.3 Out-of-band Rejection

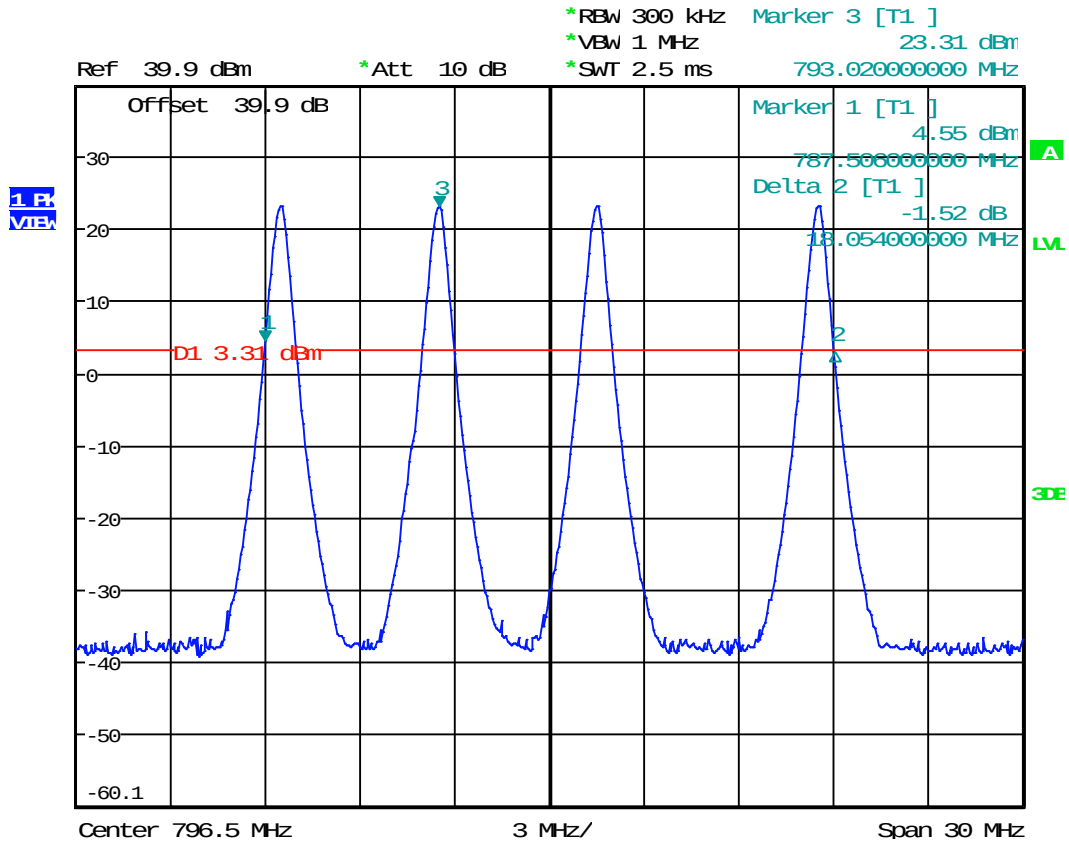
Limits and test method from FCC KDB 935210 D05 v01r04 Industrial Signal Boosters.



Test Results, Out-of-band Rejection and Class of Operation			
Operating Band (MHz)	Link Direction	Passband (kHz)	Class of Operation
788 – 805 MHz	Uplink	< 75 kHz	Class A
758 – 775 MHz	Downlink	< 75 kHz	Class A
806 – 824 MHz	Uplink	< 75 kHz	Class A
851 – 869 MHz	Downlink	< 75 kHz	Class A

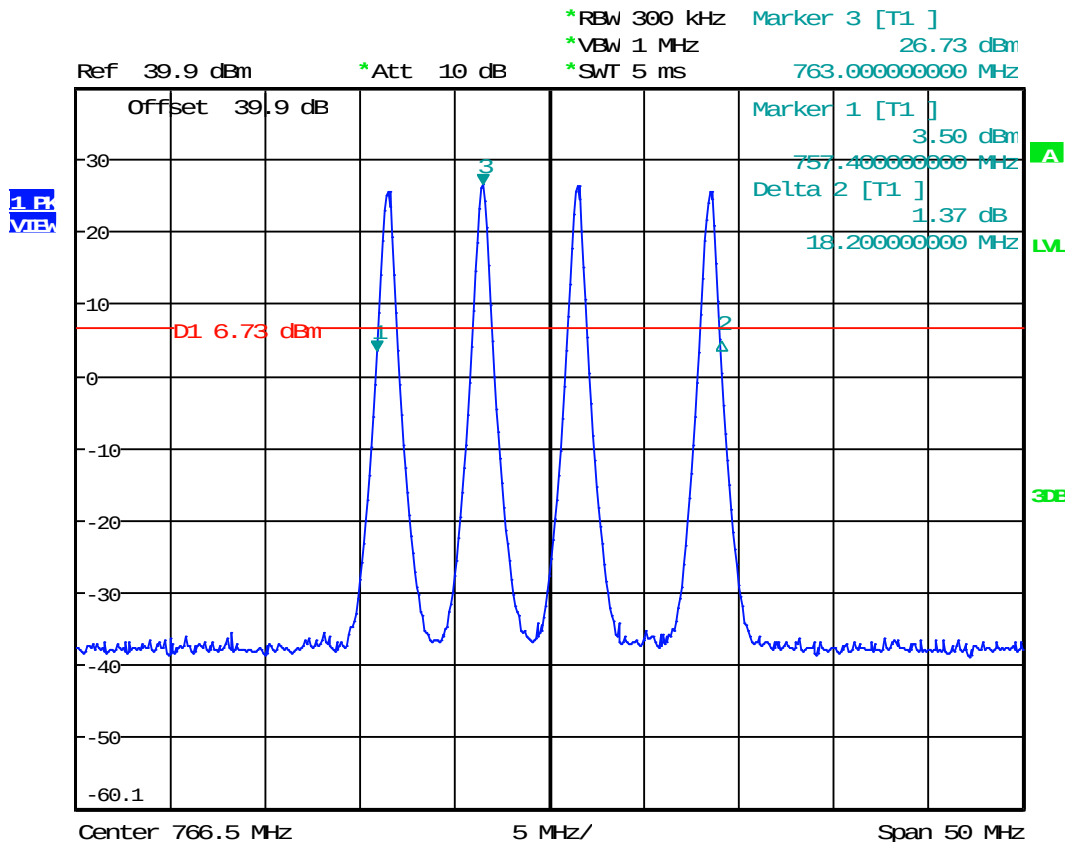
Out-of-band Rejection, Spectrum Plots

8.3.1 700 MHz Band, Uplink, Class A



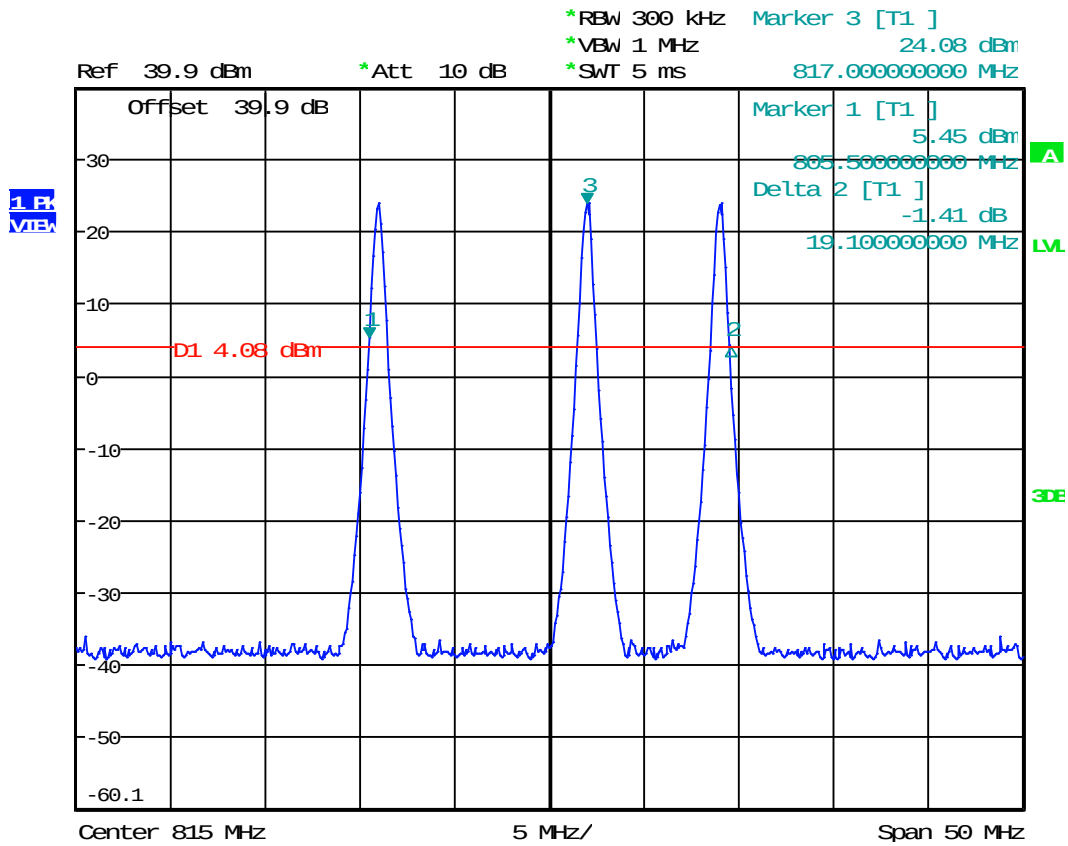
Date: 15.APR.2026 05:18:47

8.3.2 700 MHz Band, Downlink, Class A



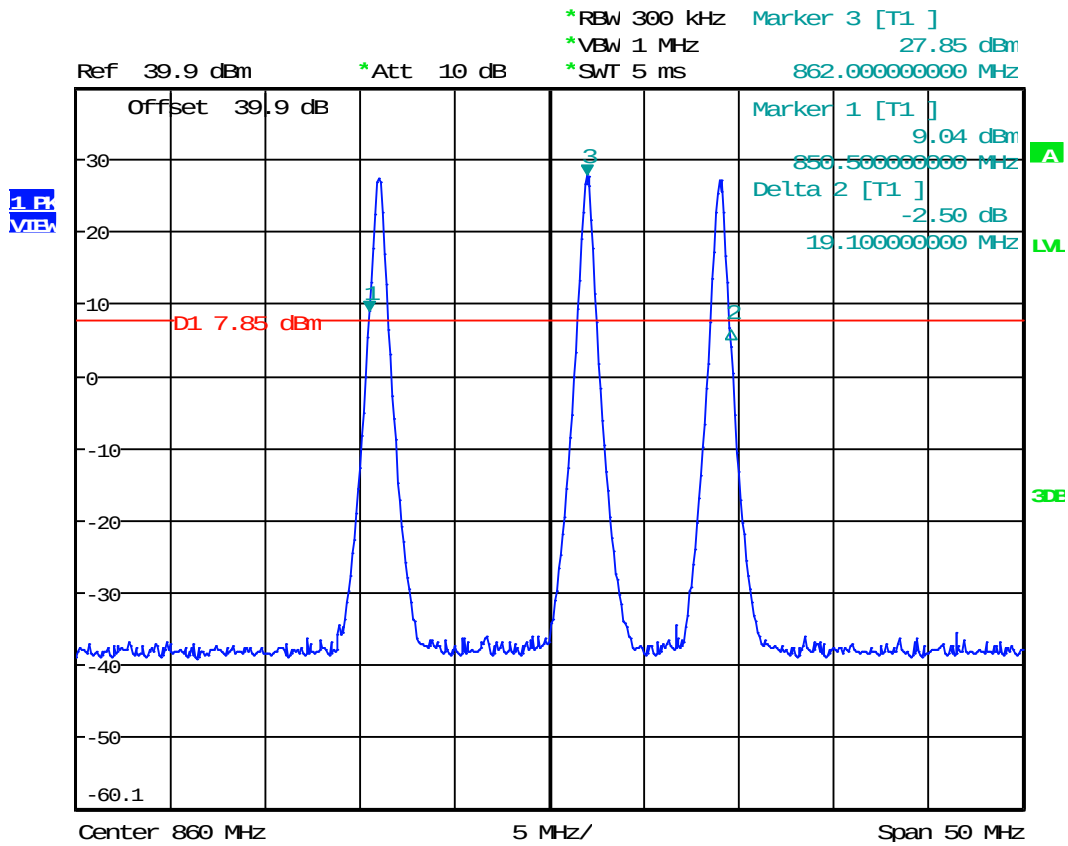
Date: 15.APR.2026 05:58:14

8.3.3 800 MHz Band, Uplink, Class A



Date: 15.APR.2026 06:02:39

8.3.4 800 MHz Band, Downlink, Class A



Date: 15.APR.2026 06:00:28

8.4 Bandwidth & Emission

Referenced from test report "TR_27685-26_FCC 90_Booster Class B_1".

Limits from FCC Parts 90.209 and FCC KDB 935210 D05 v01r04 Industrial Signal Boosters.

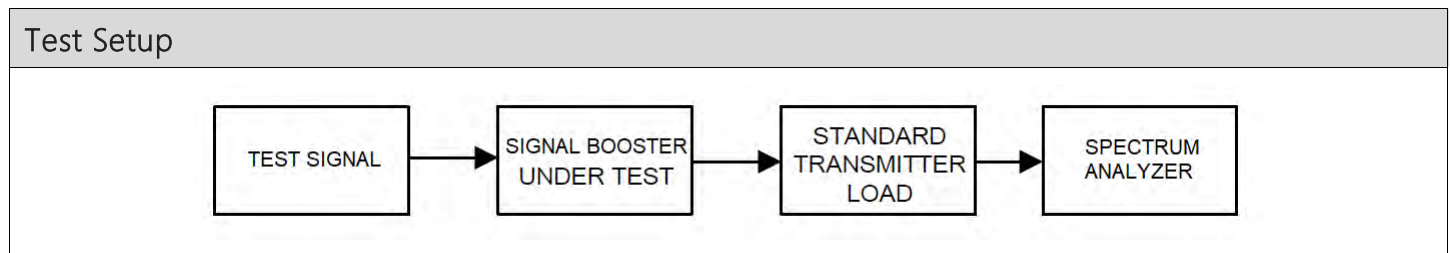
Authorized Bandwidth		
Rule Part	Operating Range (MHz)	Authorized Bandwidth (kHz)
Part 90	788 – 805 MHz	6.25/12.5
Part 90	758 – 775 MHz	6.25/12.5
Part 90	806 – 824 MHz	6.25/12.5/25
Part 90	851 – 869 MHz	6.25/12.5/25

Applicable Input Signals		
Signal	Occupied Bandwidth (kHz)	Representative Emission Designator(s)
CW	N/A	N/A
6.25 kHz FM	4.033	4K04F3E
12.5 kHz FM	7.820	7K93F3E
25 kHz FM	12.318	10K3F3E
C4FM (P25 Phase I)	8.270	8K17F1D, 8K17F1E
HCPM (P25 Phase II SU)	8.231	8K33F1W
HDQPSK (P25 Phase II BS)	9.922	9K98F1D, 9K98F1E, 9K98D7W

8.5 Input VS Output Signal Comparison

Referenced from test report "TR_27685-26_FCC 90_Booster Class B_1".

Limits from FCC Parts 90.210 and test procedure from ANSI C63.26-2015 and FCC KDB 935210 D05 v01r04 Industrial Signal Boosters.



700 MHz Band Input VS Output Comparison

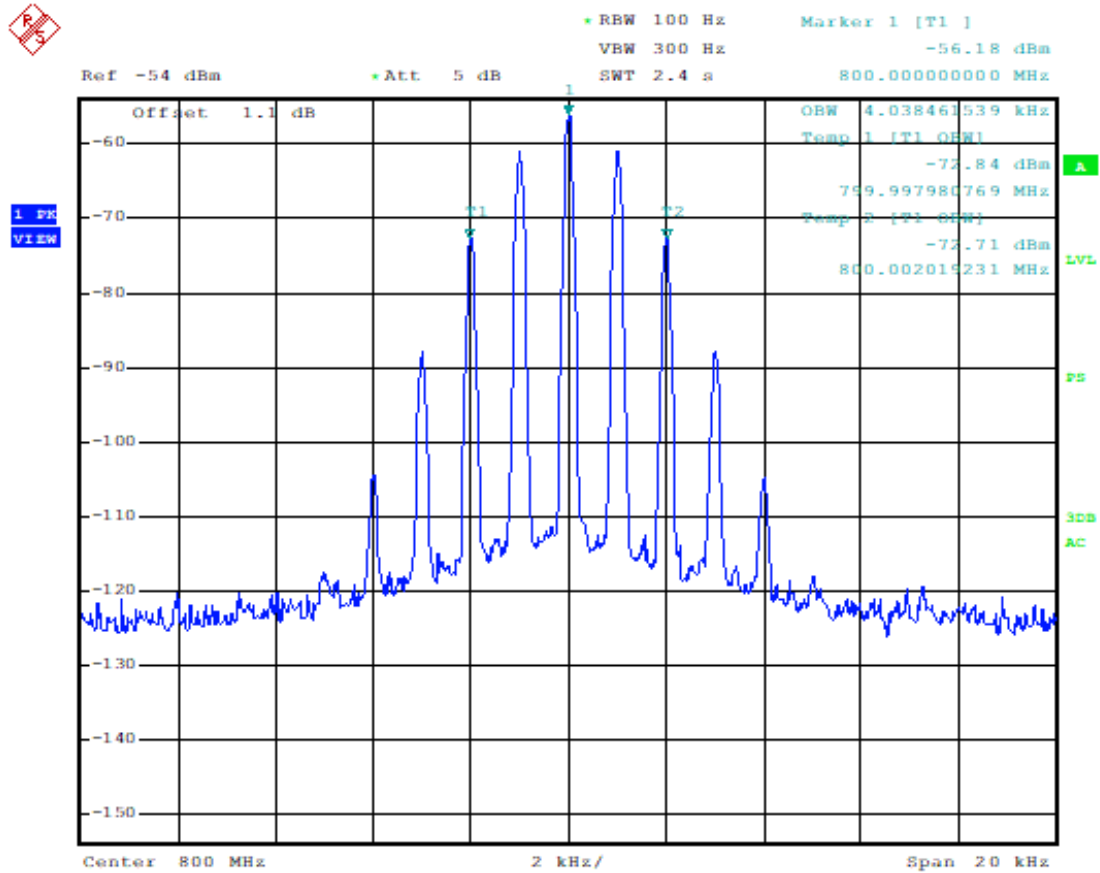
Test Results, Input VS Output Comparison						
Link Direction	Tuned Frequency (MHz)	Input Signal	AGC Level	99% OBW of Input (kHz)	99% OBW of Output (kHz)	Change (%)
Uplink	788 – 805 MHz	6.25 kHz FM	@ AGC	4.038	4.033	-0.005
		12.5 kHz FM	@ AGC	6.21	7.820	1.61
		25 kHz FM	@ AGC	10.22	12.318	2.098
		C4FM	@ AGC	7.71	8.270	0.56
		HCPM	@ AGC	7.71	8.231	0.521
		HDQPSK	@ AGC	9.92	9.922	0.002
Downlink	758 – 775 MHz	6.25 kHz FM	@ AGC	4.038	4.033	-0.005
		12.5 kHz FM	@ AGC	6.21	7.820	1.61
		25 kHz FM	@ AGC	10.22	12.318	2.098
		C4FM	@ AGC	7.71	8.270	0.56
		HCPM	@ AGC	7.71	8.231	0.521
		HDQPSK	@ AGC	9.92	9.922	0.002

800 MHz Band Input VS Output Comparison

Test Results, Input VS Output Comparison						
Link Direction	Tuned Frequency (MHz)	Input Signal	AGC Level	99% OBW of Input (kHz)	99% OBW of Output (kHz)	Change (%)
Uplink	806 – 824 MHz	6.25 kHz FM	@ AGC	4.038	4.033	-0.005
		12.5 kHz FM	@ AGC	6.21	7.820	1.61
		25 kHz FM	@ AGC	10.22	12.318	2.098
		C4FM	@ AGC	7.71	8.270	0.56
		HCPM	@ AGC	7.71	8.231	0.521
		HDQPSK	@ AGC	9.92	9.922	0.002
Downlink	851 – 869 MHz	6.25 kHz FM	@ AGC	4.038	4.033	-0.005
		12.5 kHz FM	@ AGC	6.21	7.820	1.61
		25 kHz FM	@ AGC	10.22	12.318	2.098
		C4FM	@ AGC	7.71	8.270	0.56
		HCPM	@ AGC	7.71	8.231	0.521
		HDQPSK	@ AGC	9.92	9.922	0.002

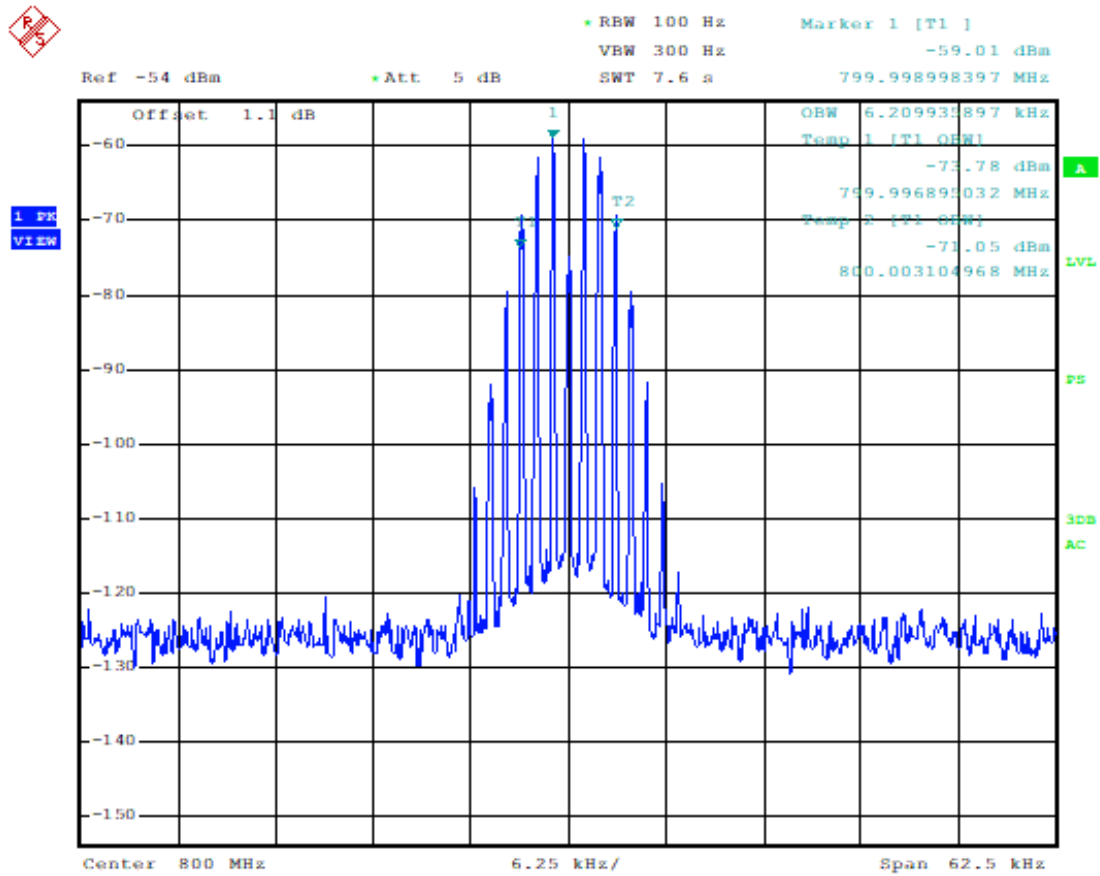
Input VS Output, Input Spectrum Plots

8.5.1 6.25 kHz FM, Input Signal



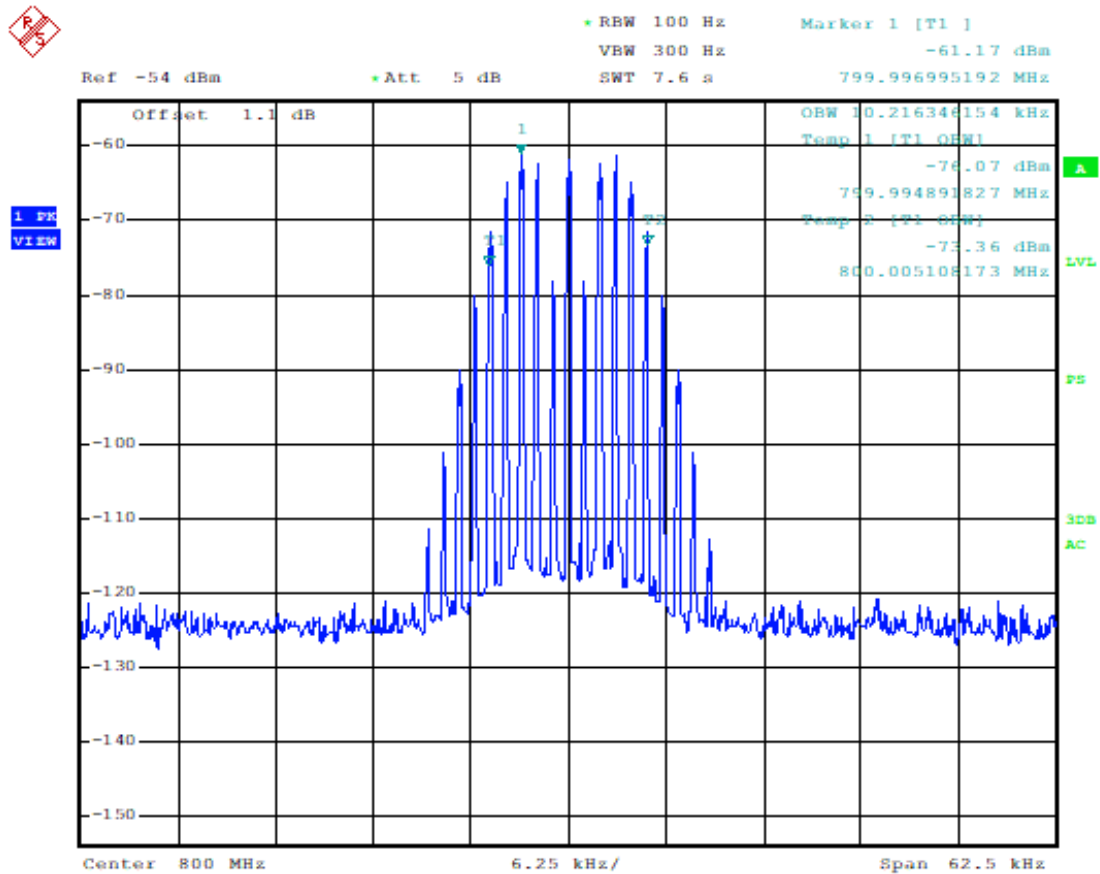
Date: 30.JAN.2019 13:10:11

8.5.2 12.5 kHz FM, Input Signal



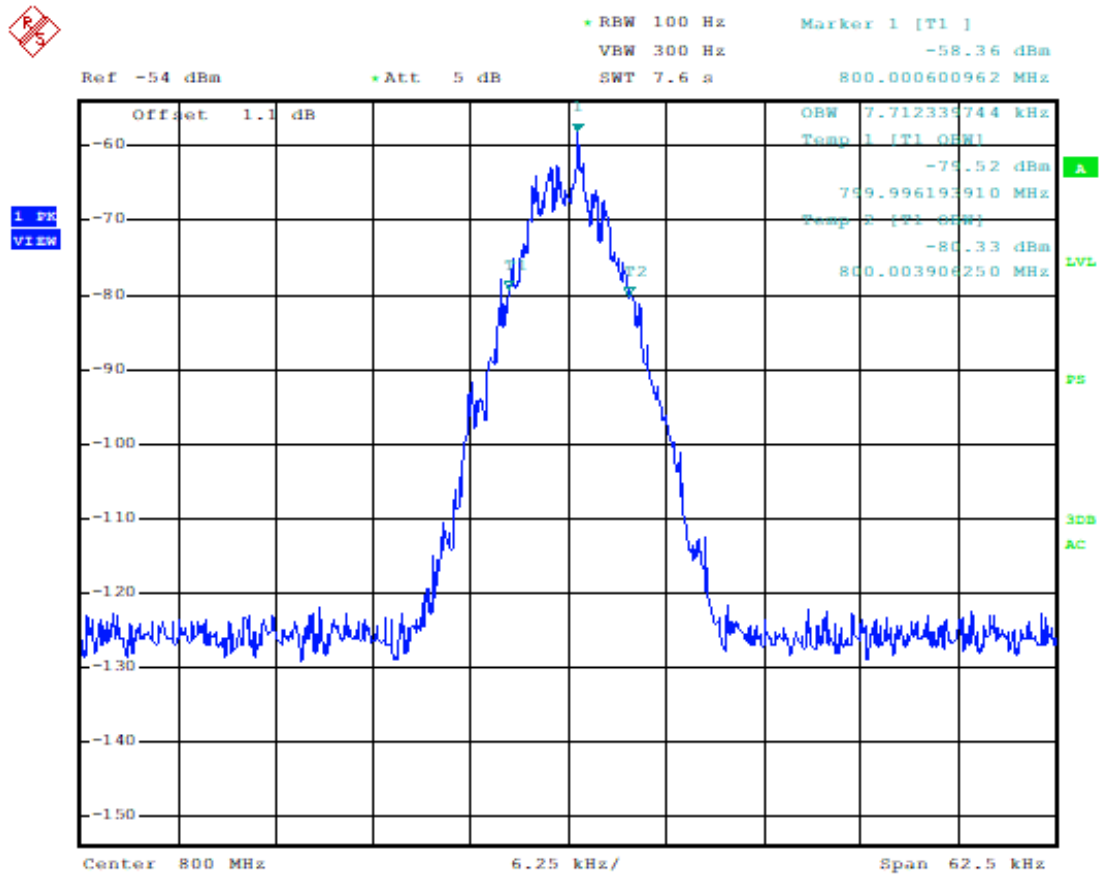
Date: 30.JAN.2019 14:19:45

8.5.3 25 kHz FM, Input Signal



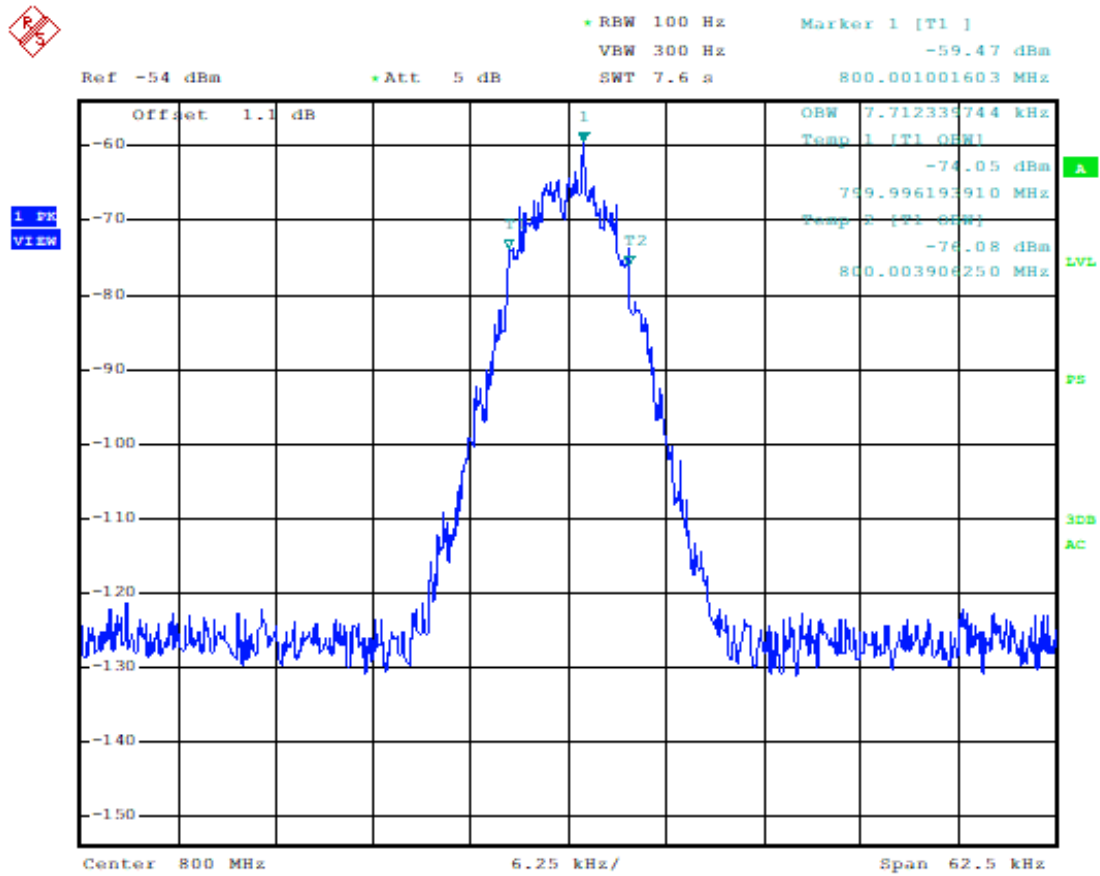
Date: 30.JAN.2019 14:23:14

8.5.4 C4FM, Input Signal



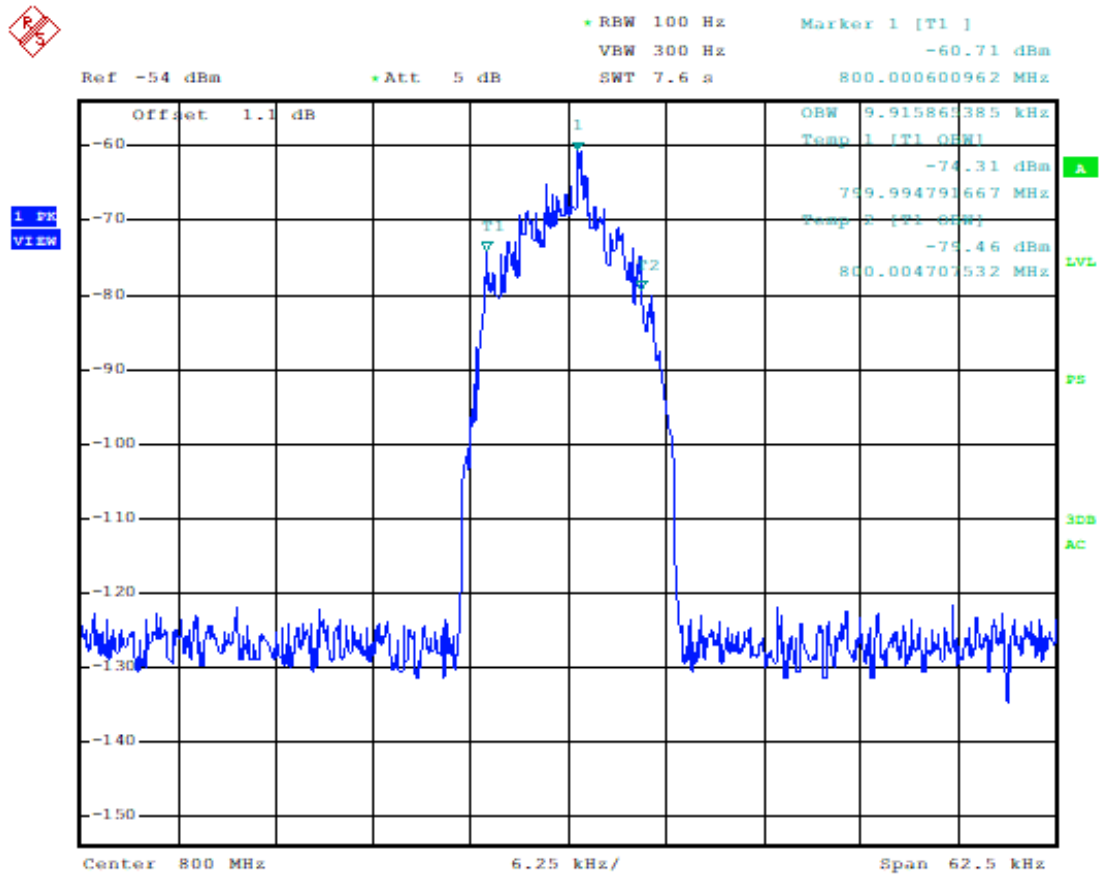
Date: 30.JAN.2019 14:28:58

8.5.5 H-CPM, Input Signal



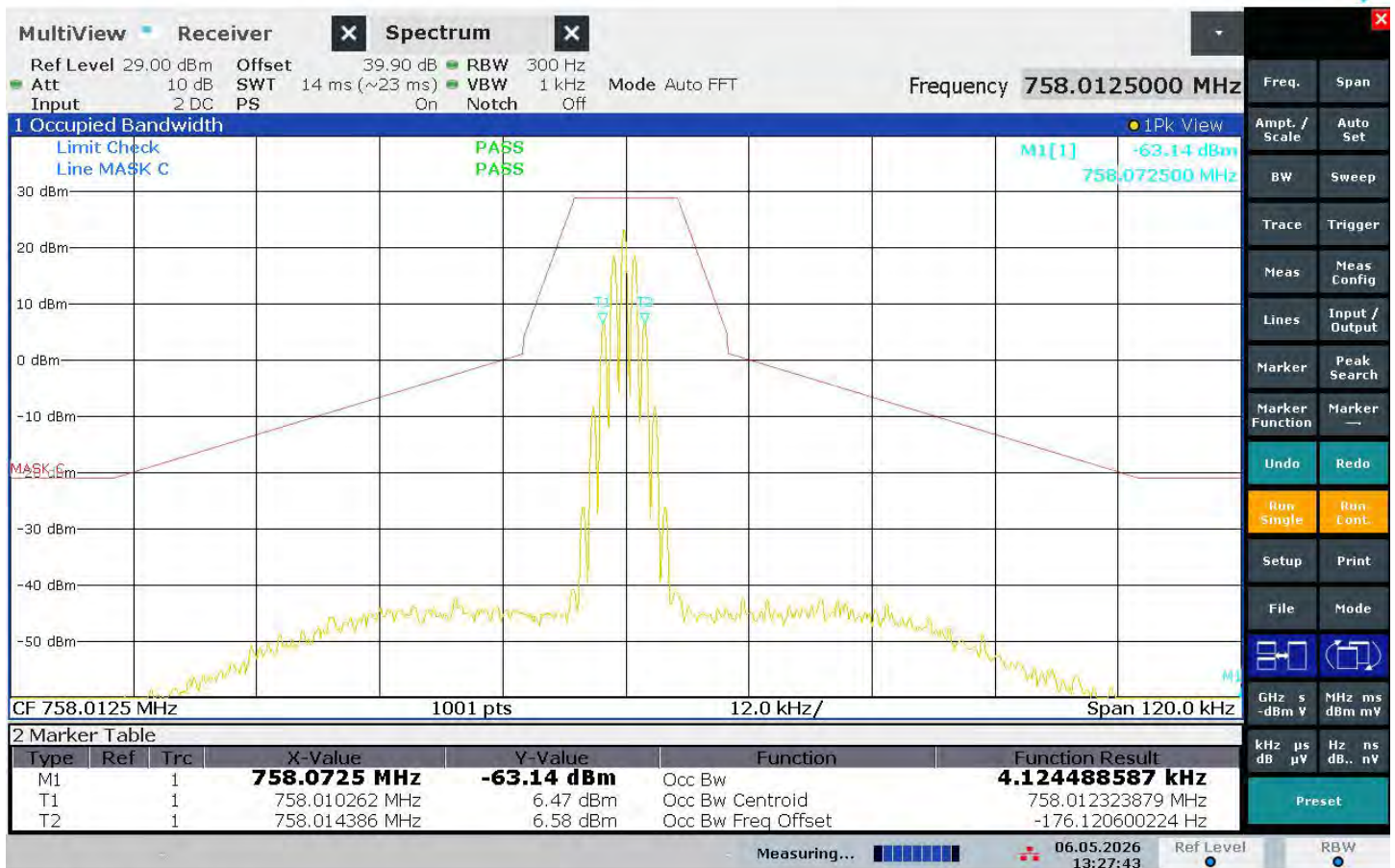
Date: 30.JAN.2019 14:30:47

8.5.6 H-DQPSK, Input Signal



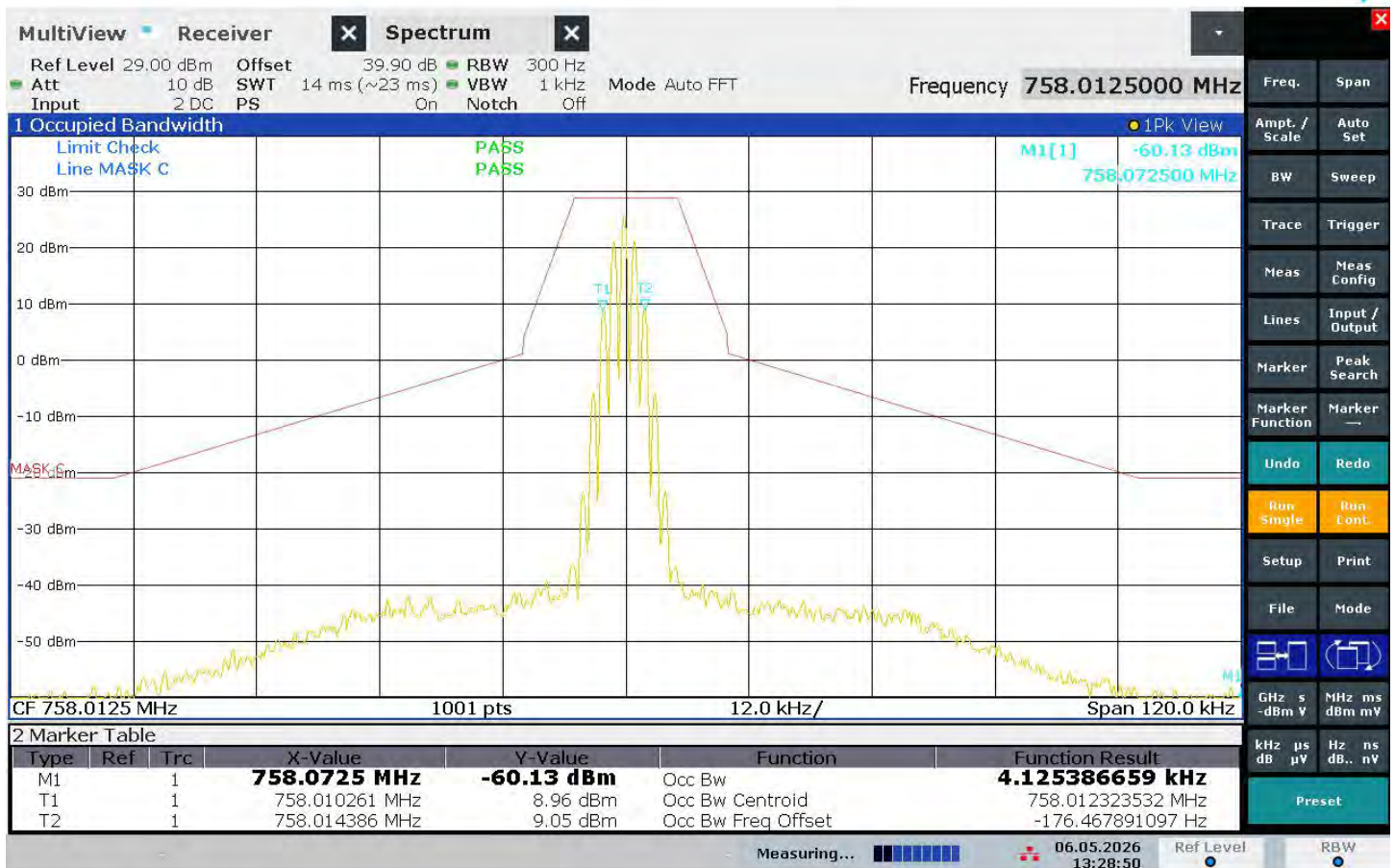
Date: 30.JAN.2019 14:32:35

8.5.7 6.25 kHz, FM, DL Mask C, AGC, 758 MHz



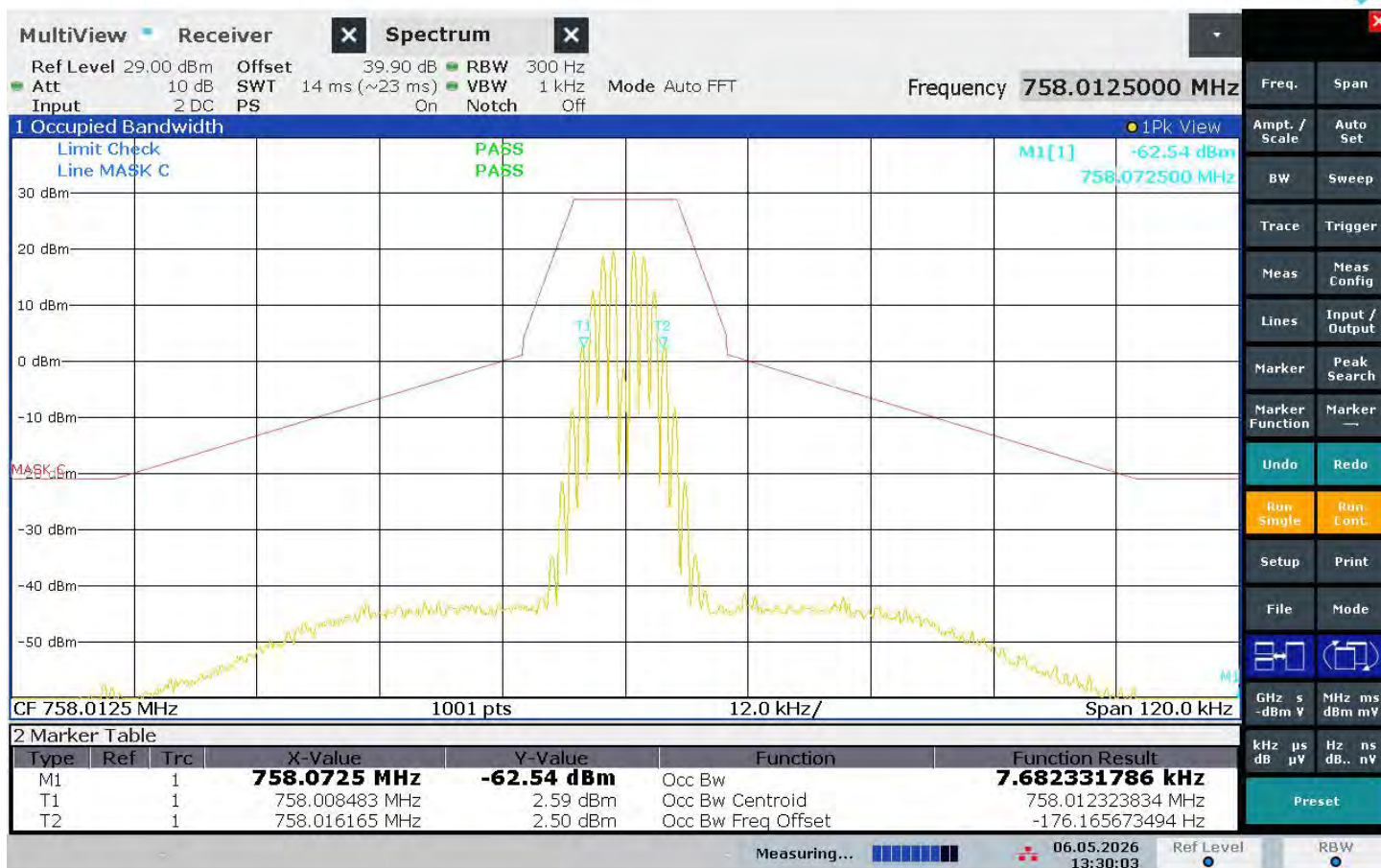
13:27:43 06.05.2026

8.5.8 6.25 kHz, FM, DL Mask C, AGC +3, 758 MHz



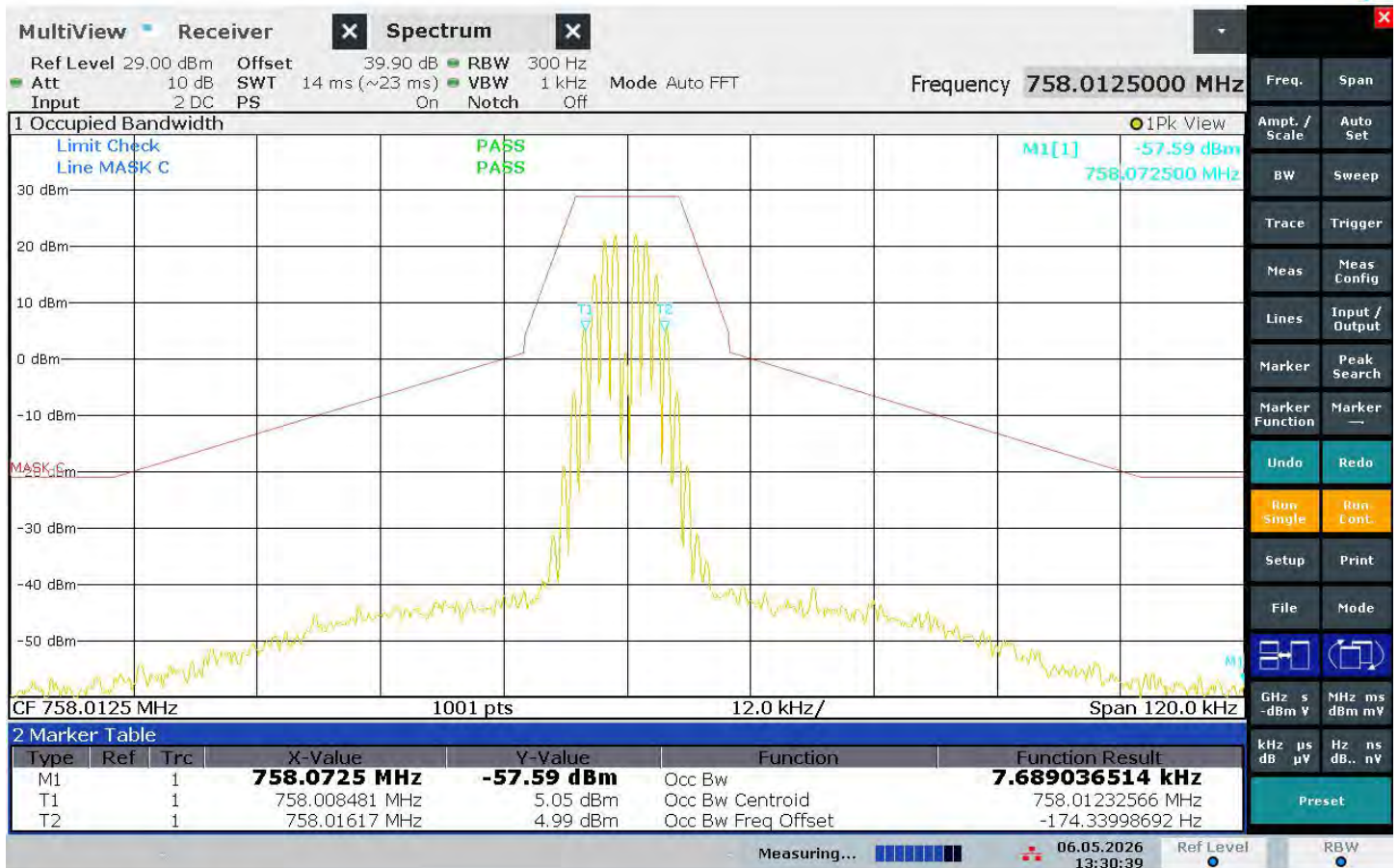
13:28:50 06.05.2026

8.5.9 12.5 kHz, FM, DL Mask C, AGC, 758 MHz



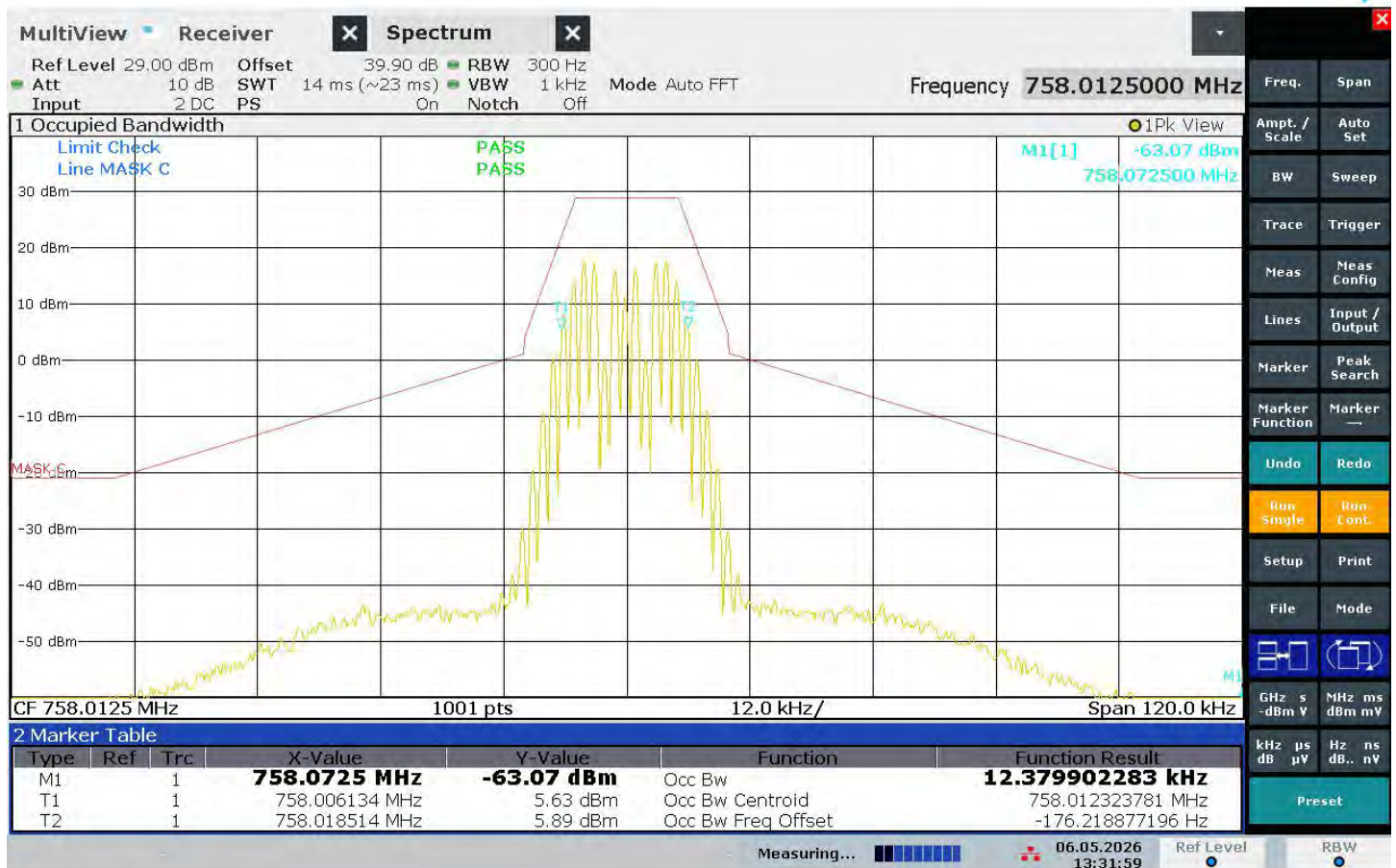
13:30:04 06.05.2026

8.5.10 12.5 kHz, FM, DL Mask C, AGC+3, 758 MHz



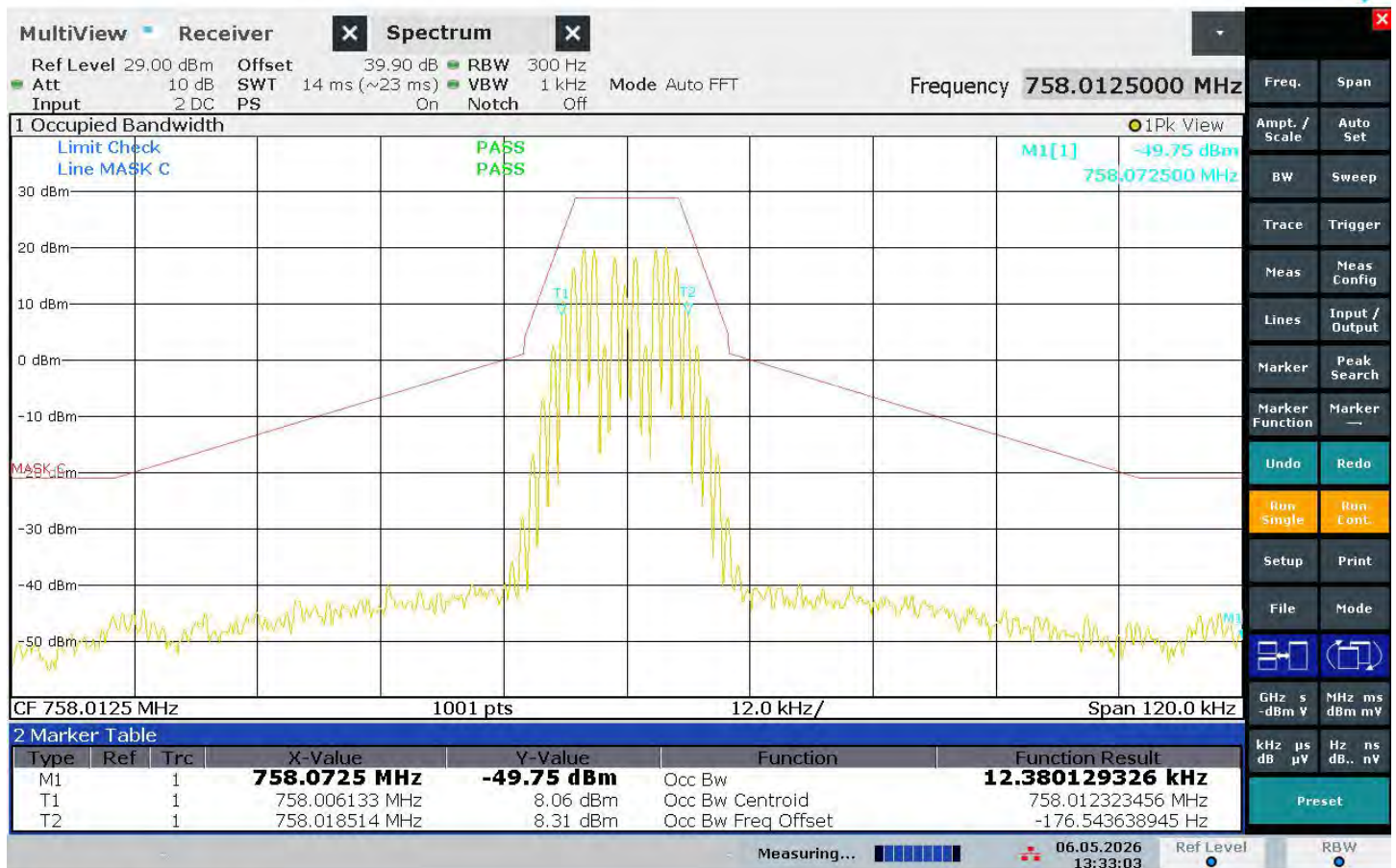
13:30:39 06.05.2026

8.5.11 25 kHz FM, DL Mask C, AGC, 758 MHz



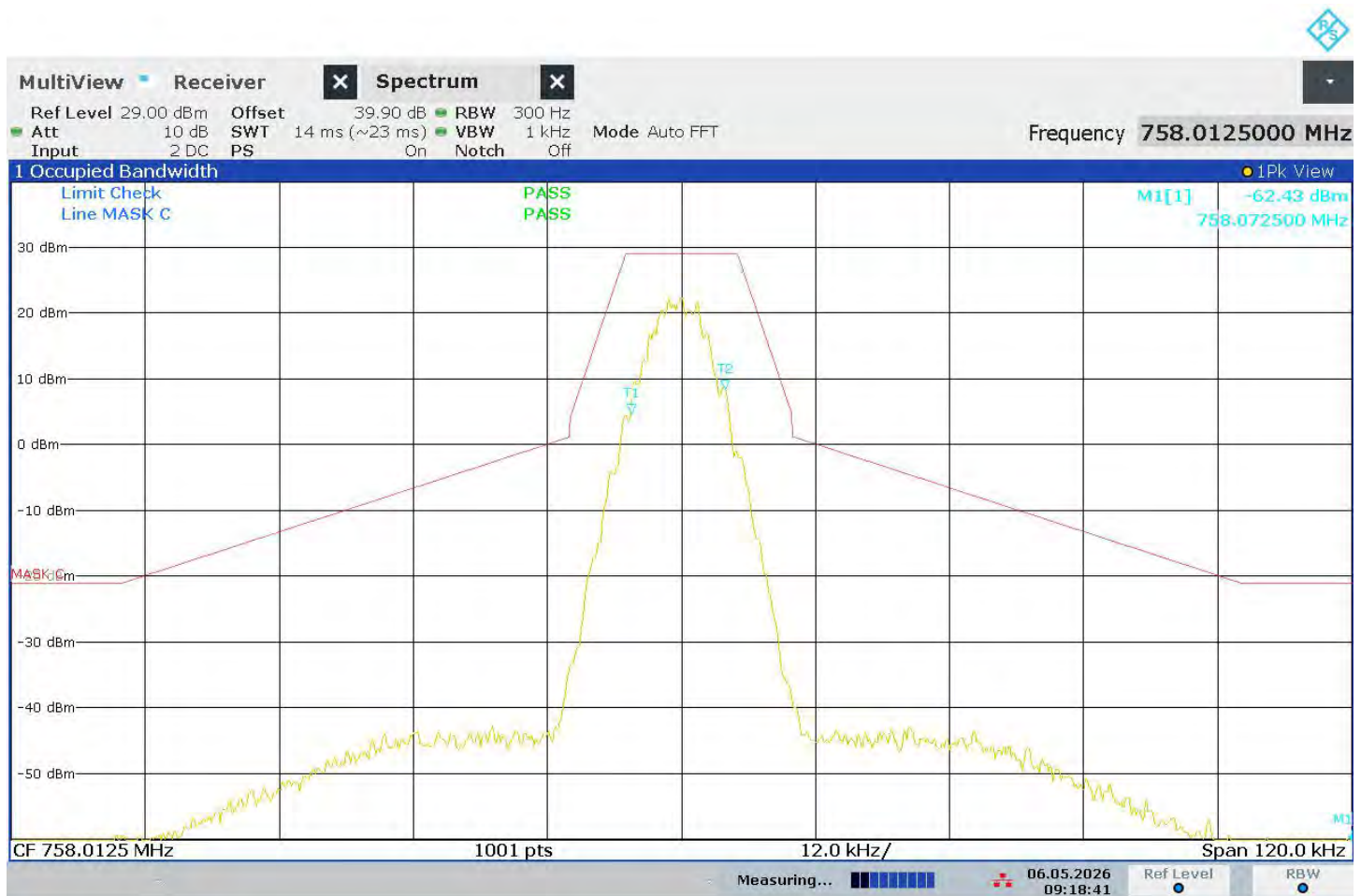
13:31:59 06.05.2026

8.5.12 25 kHz FM, DL Mask C, AGC+3, 758 MHz



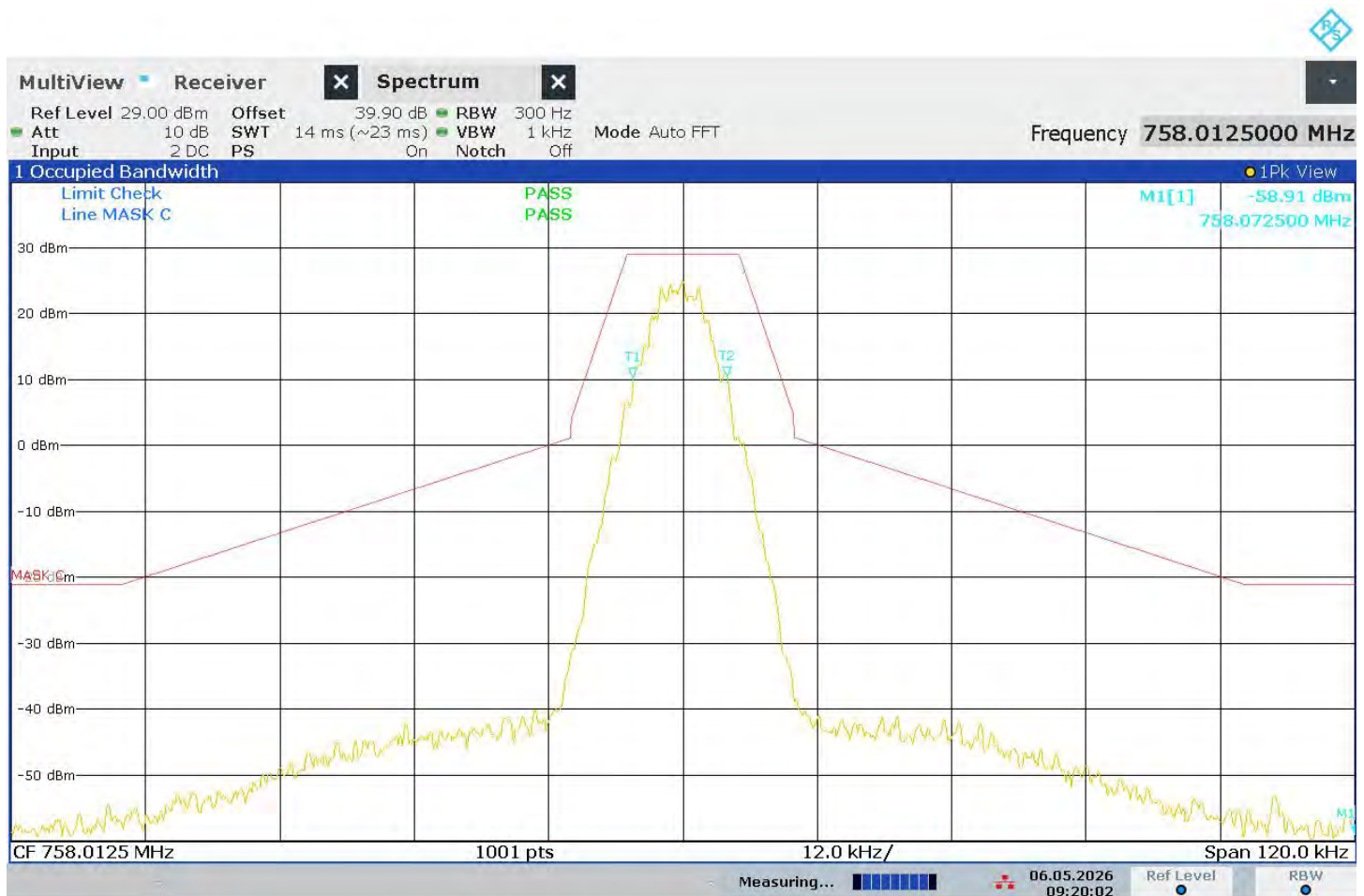
13:33:03 06.05.2026

8.5.13 C4FM, DL Mask C, AGC, 758 MHz



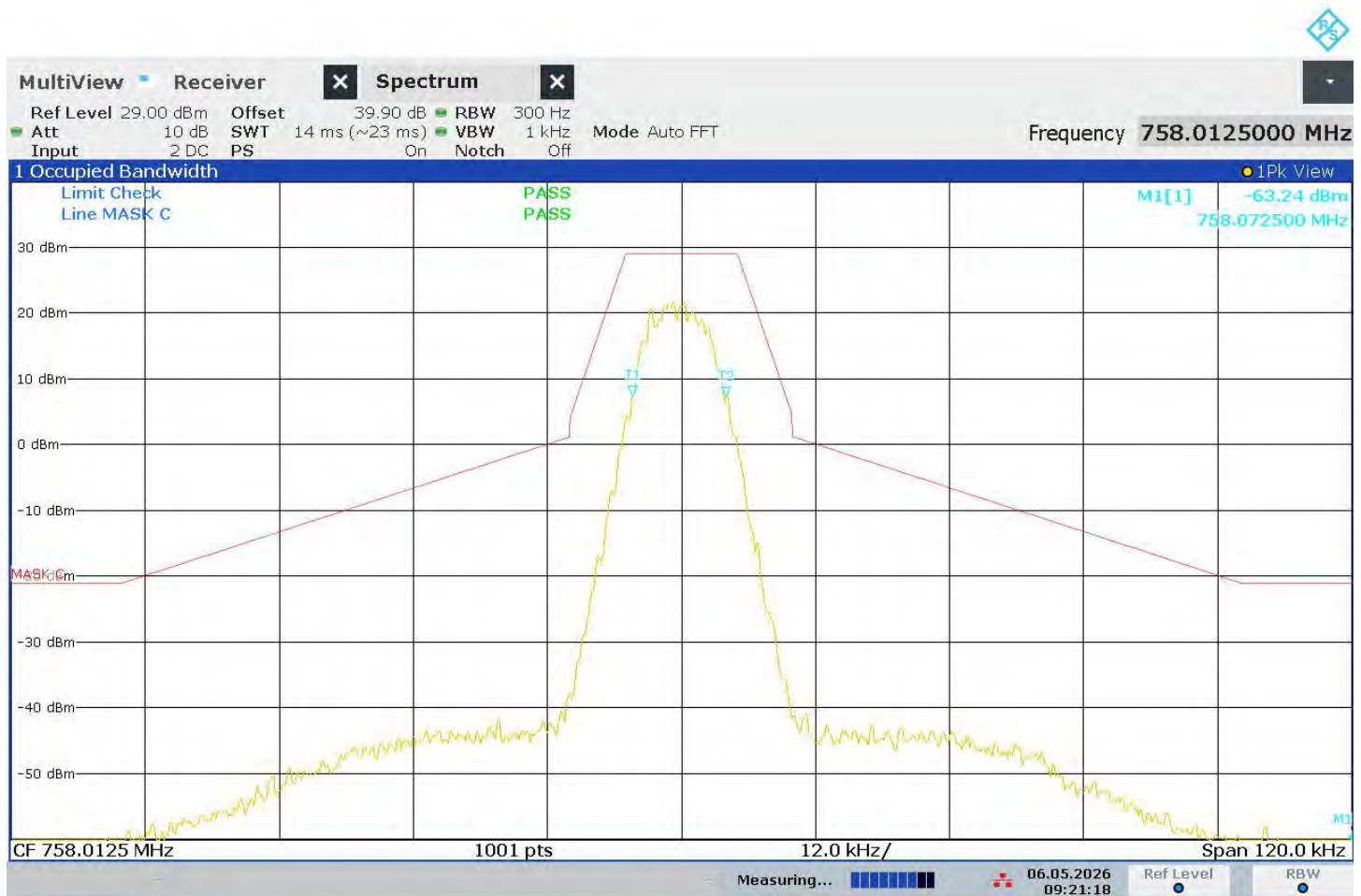
09:18:41 06.05.2026

8.5.14 C4FM, DL Mask C, AGC+3, 758 MHz



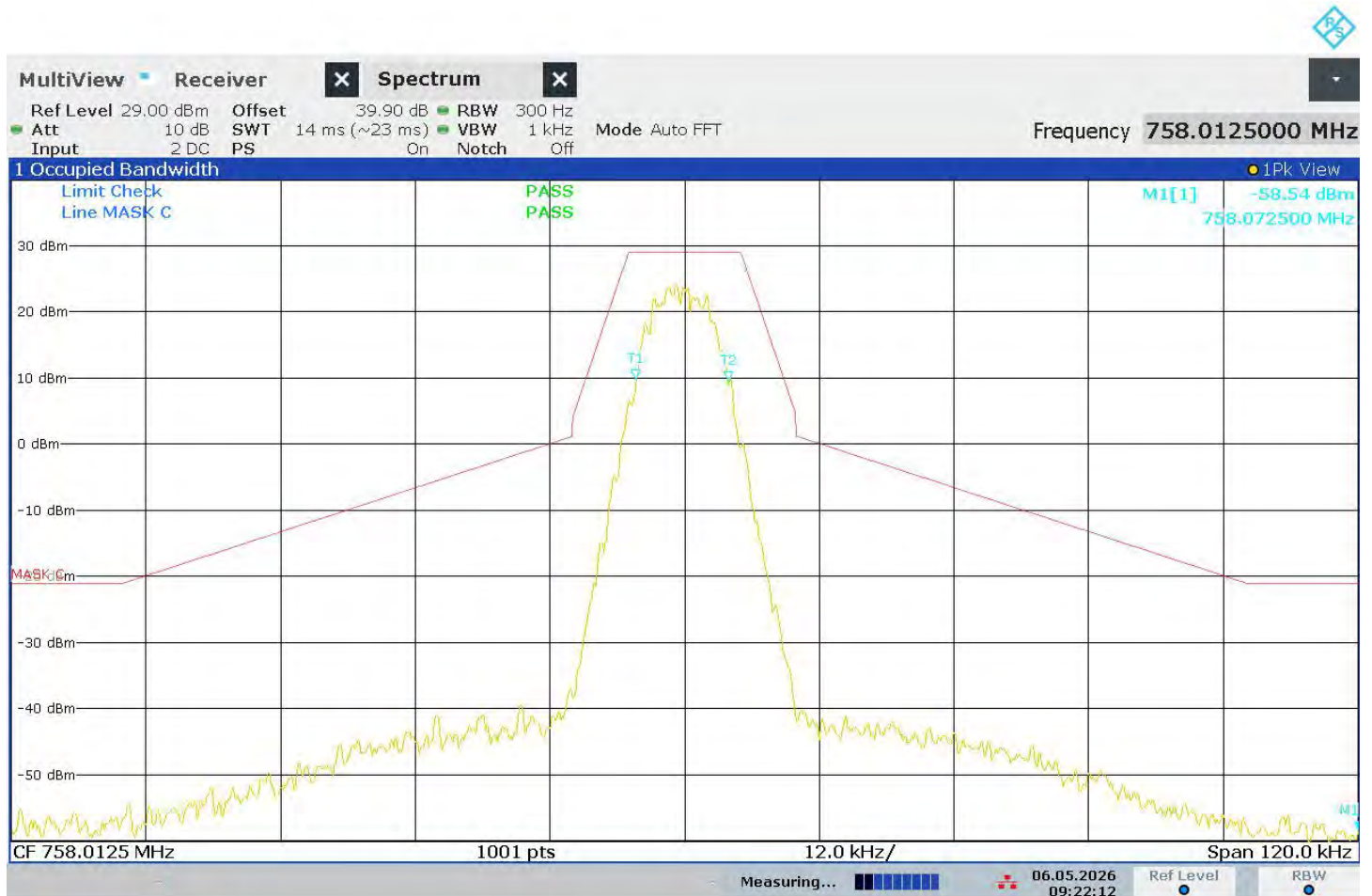
09:20:03 06.05.2026

8.5.15 H-CPM, DL Mask C, AGC, 758 MHz



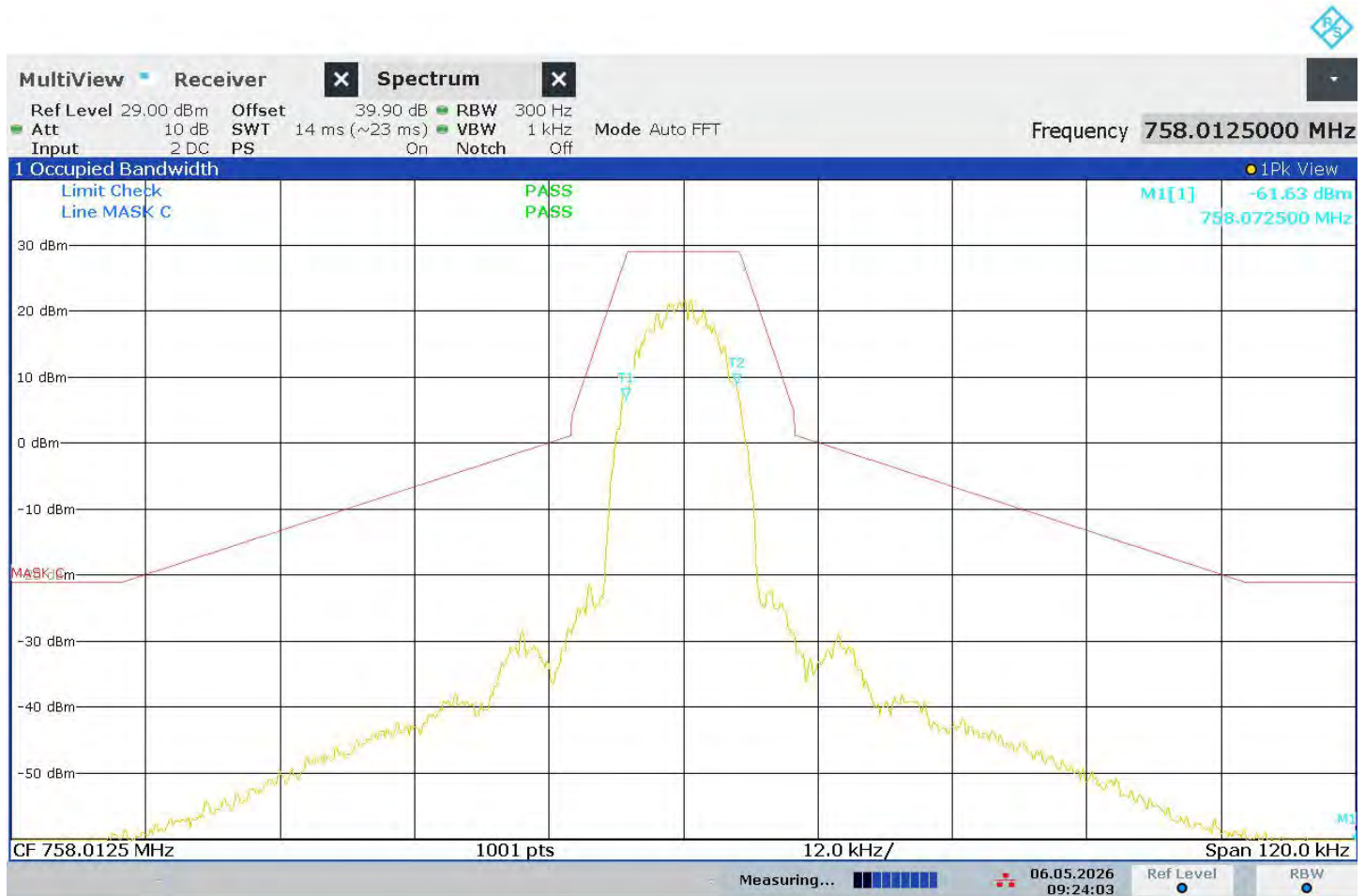
09:21:18 06.05.2026

8.5.16 H-CPM, DL Mask C, AGC+3, 758 MHz



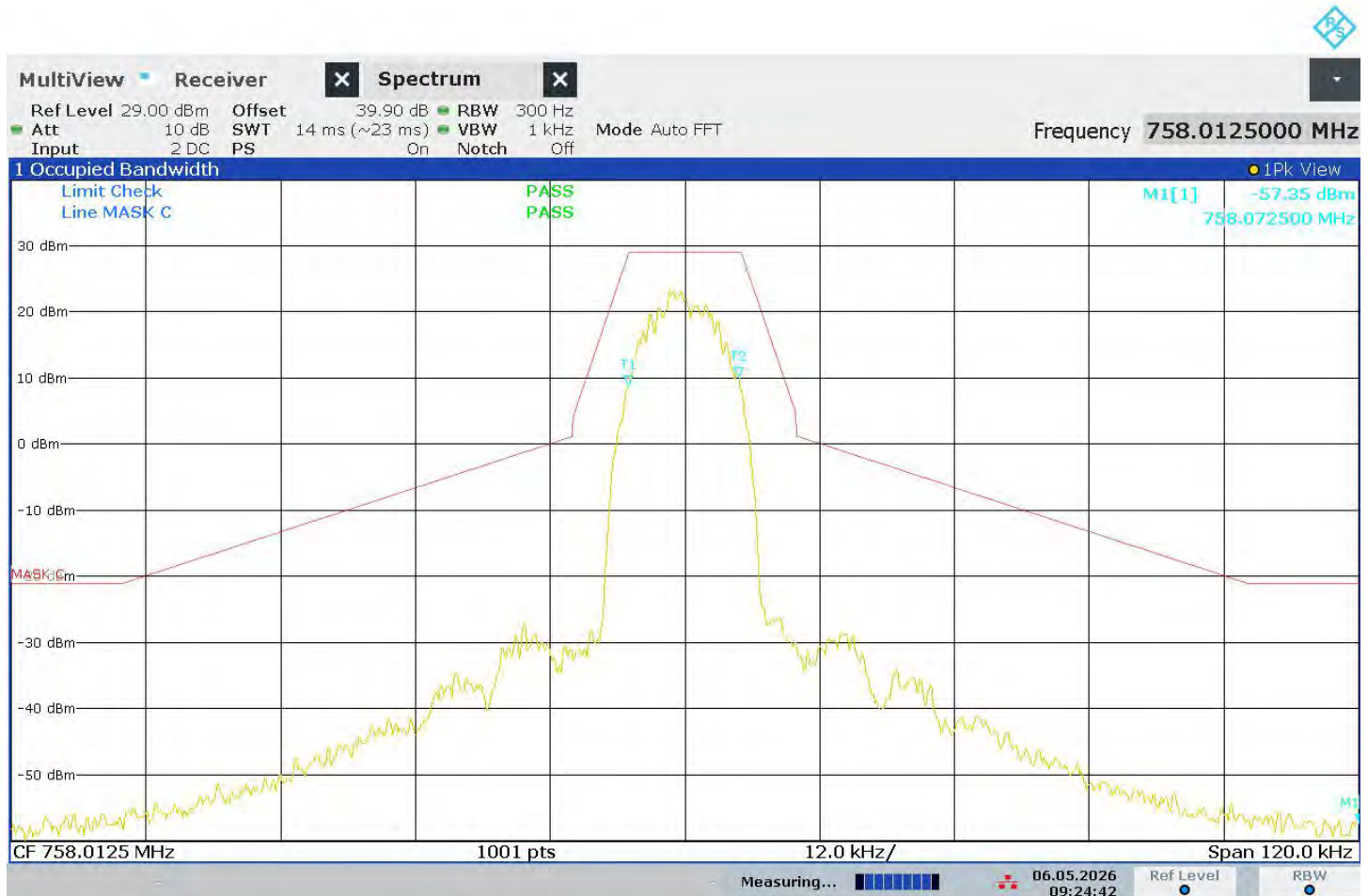
09:22:12 06.05.2026

8.5.17 H-DQPSK, DL Mask C, AGC, 758 MHz



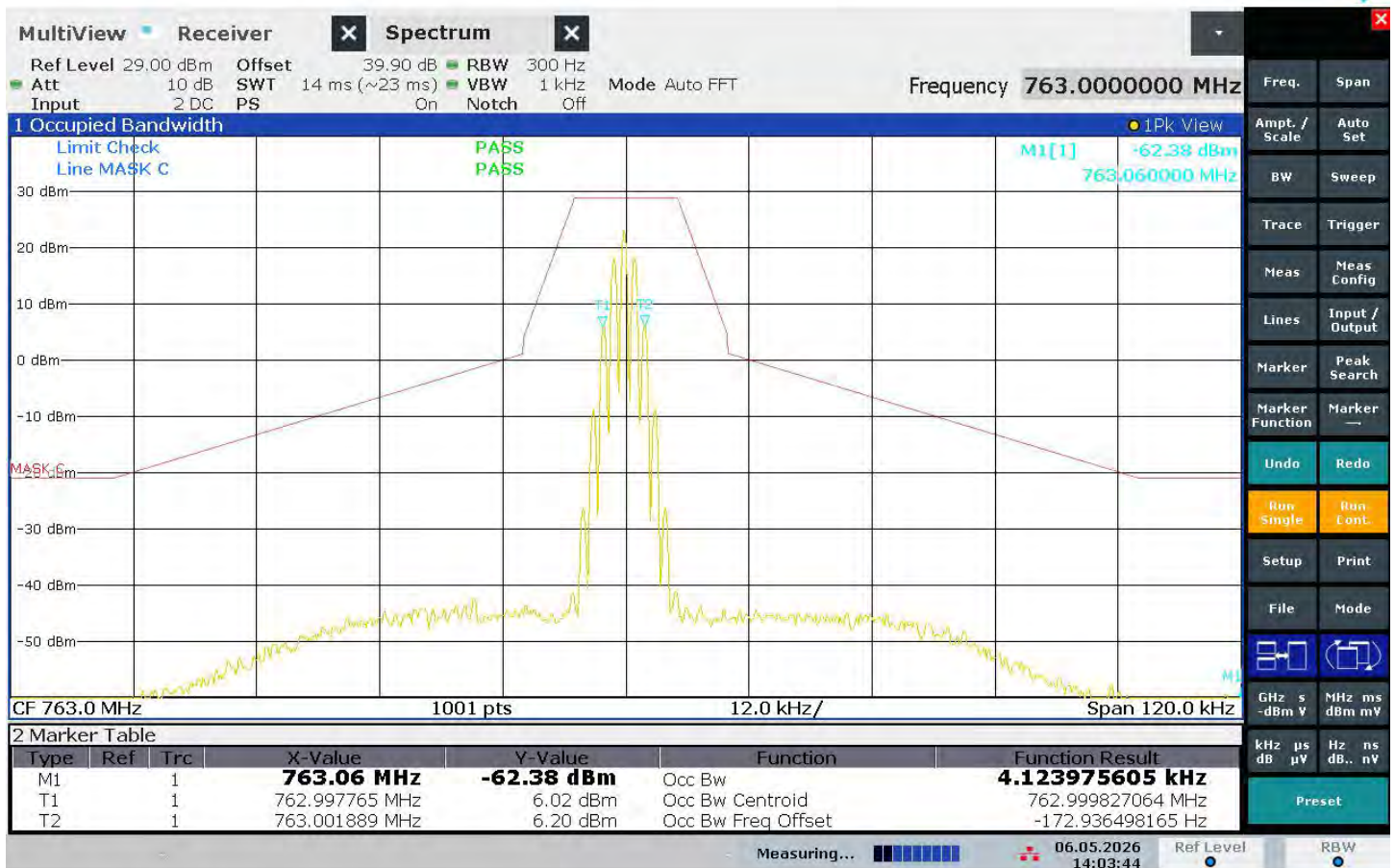
09:24:03 06.05.2026

8.5.18 H-DQPSK, DL Mask C, AGC+3, 758 MHz



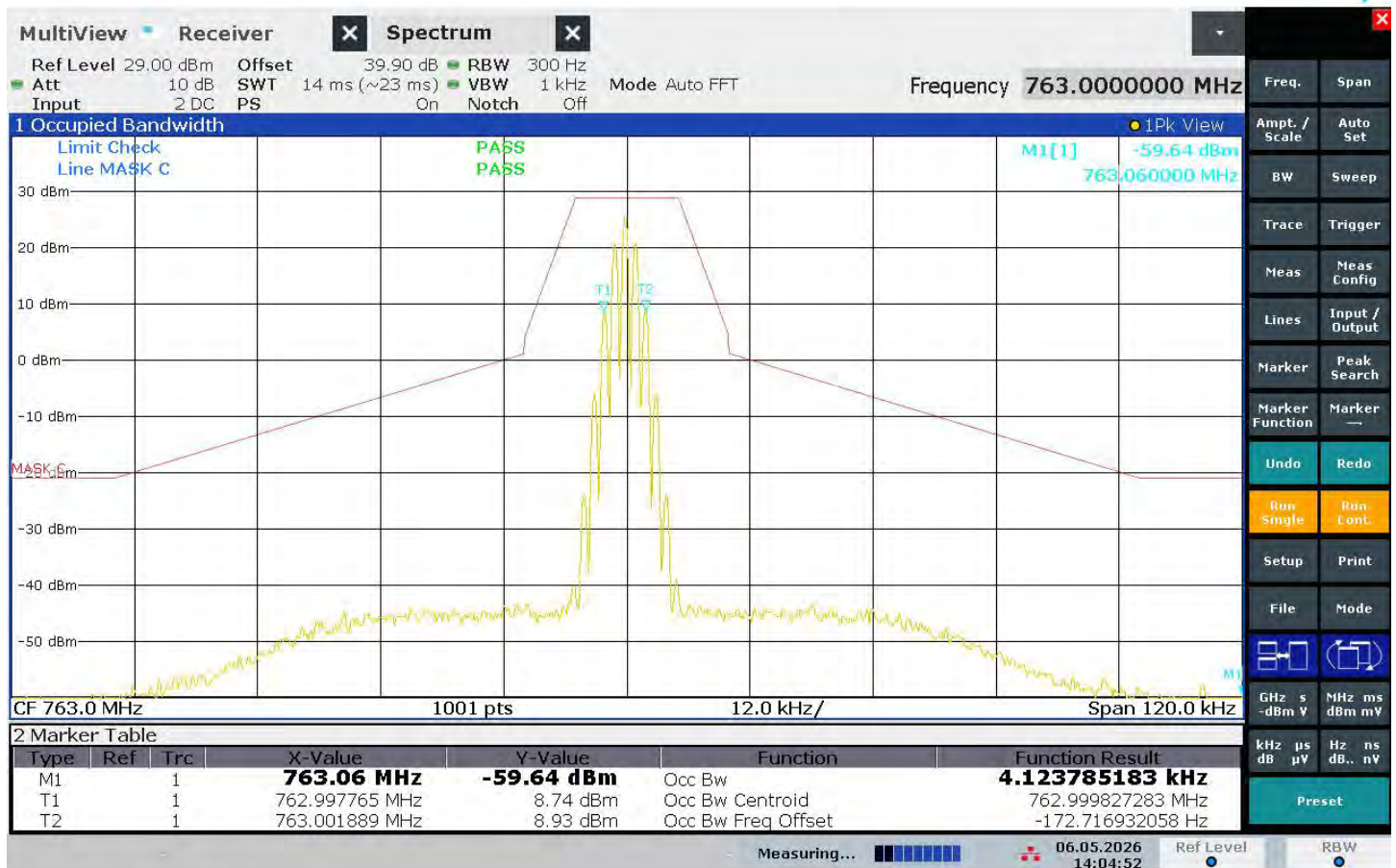
09:24:42 06.05.2026

8.5.19 6.25 kHz, FM, DL Mask C, AGC, 763 MHz



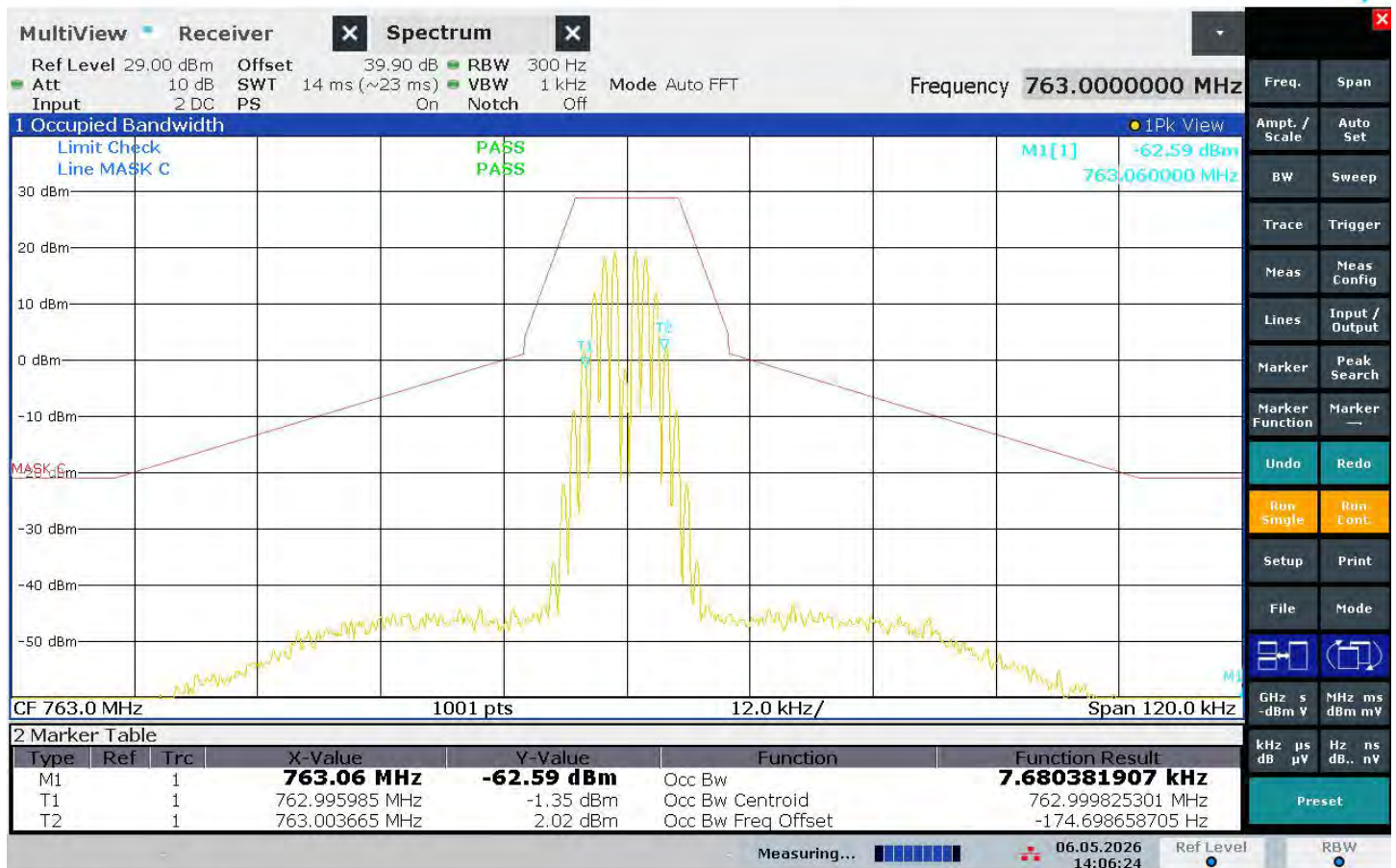
14:03:44 06.05.2026

8.5.20 6.25 kHz, FM, DL Mask C, AGC+3, 763 MHz



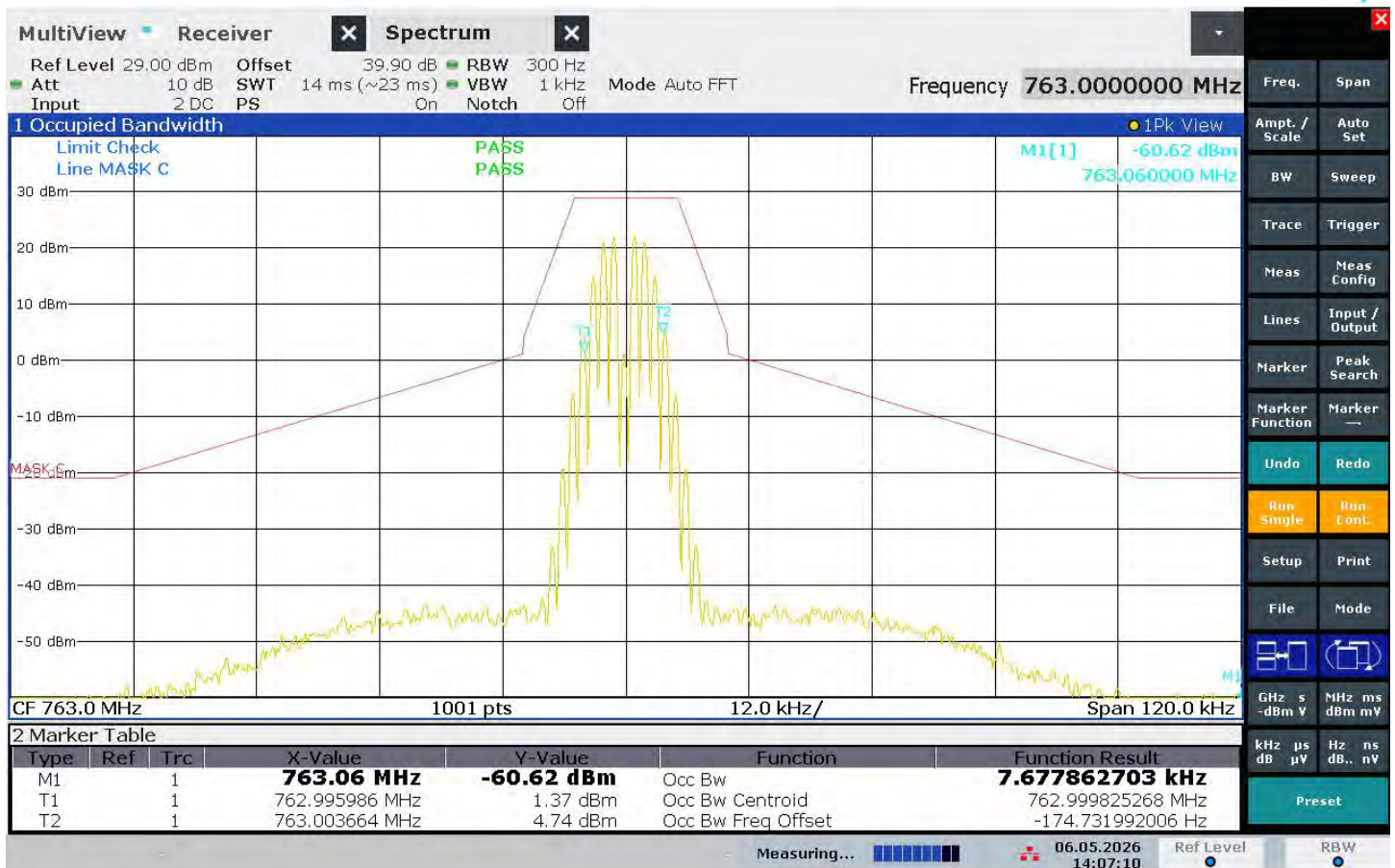
14:04:52 06.05.2026

8.5.21 12.5 kHz, FM, DL Mask C, AGC, 763 MHz



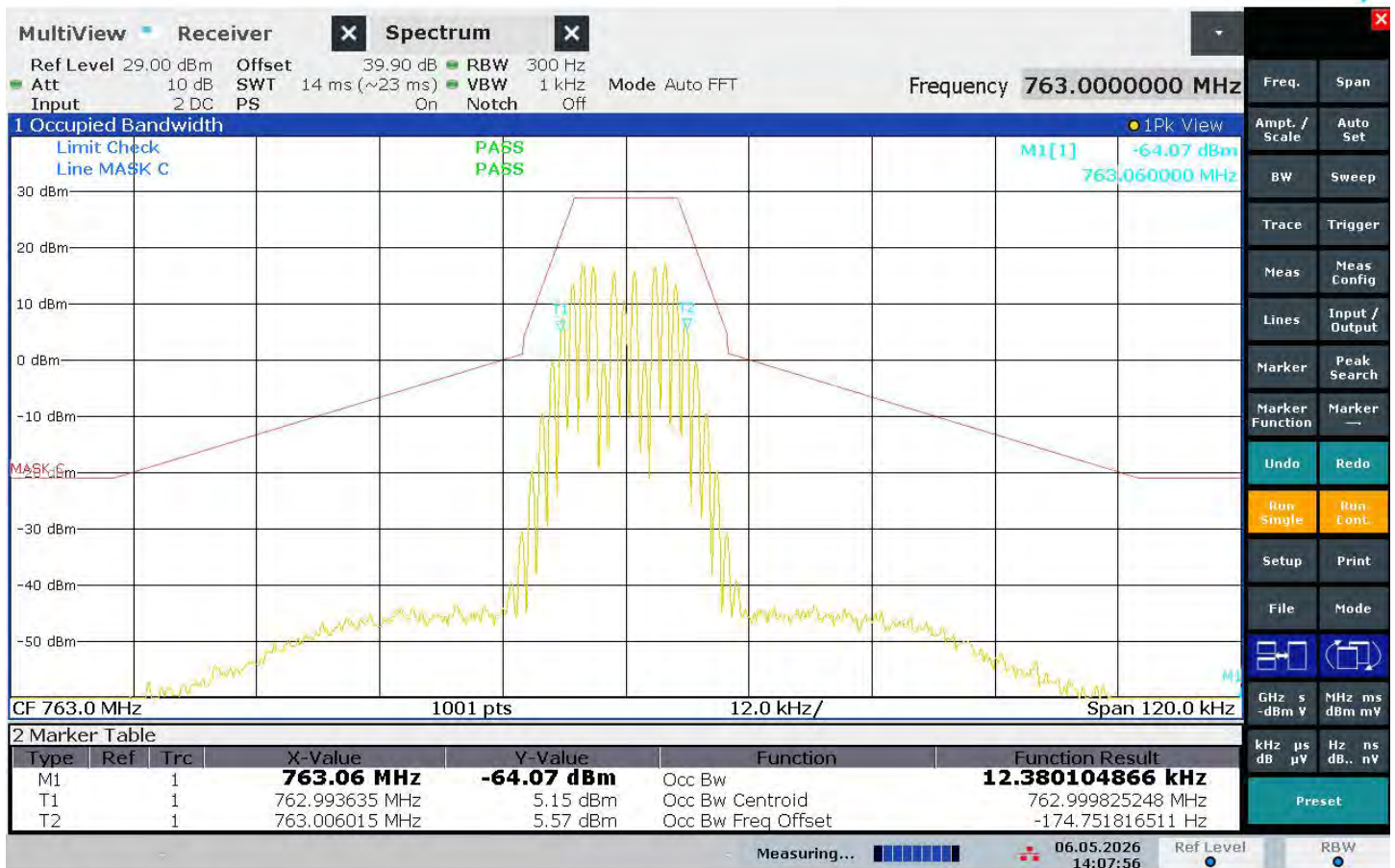
14:06:24 06.05.2026

8.5.22 12.5 kHz, FM, DL Mask C, AGC+3, 763 MHz



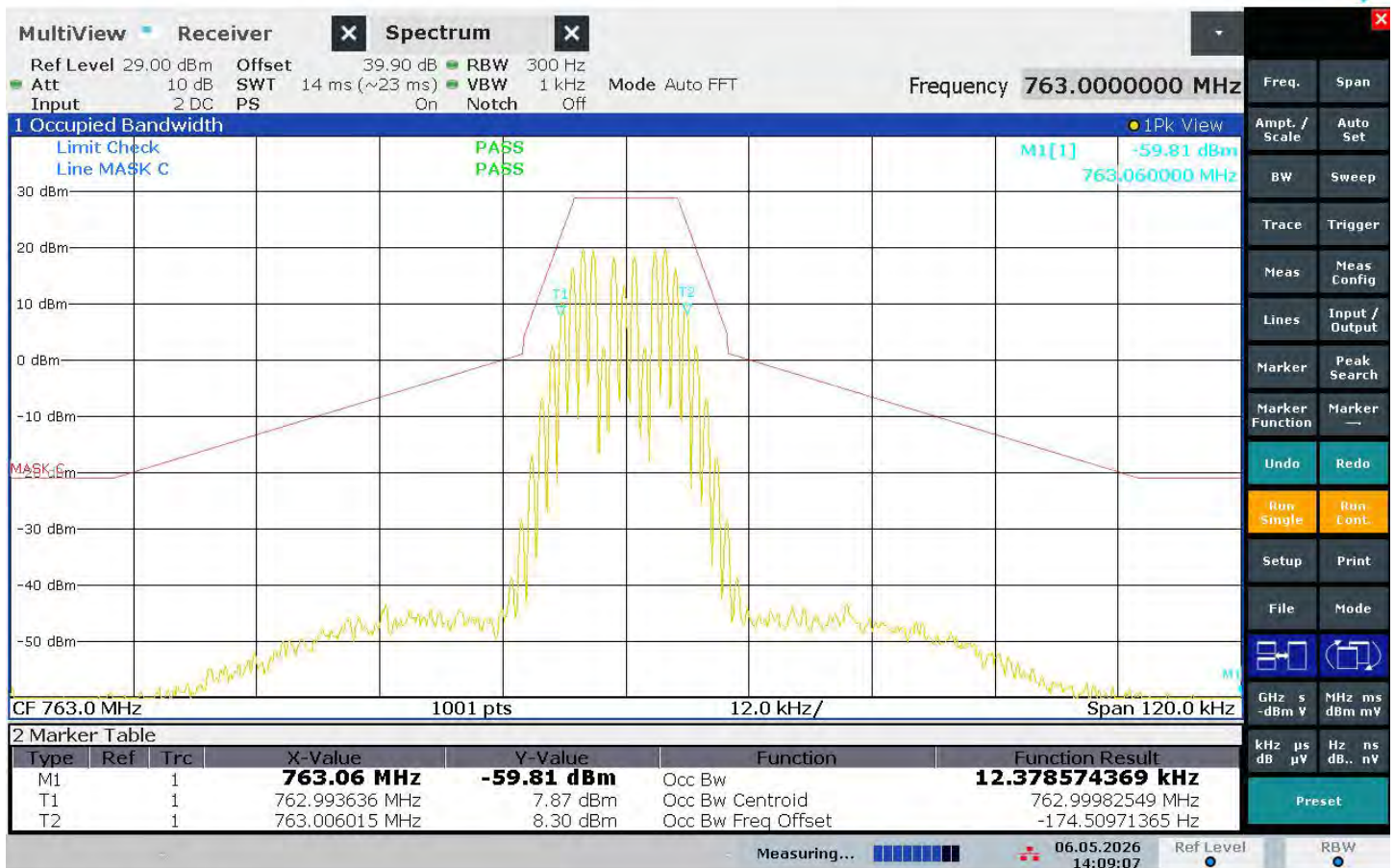
14:07:10 06.05.2026

8.5.23 25 kHz FM, DL Mask C, AGC, 763 MHz



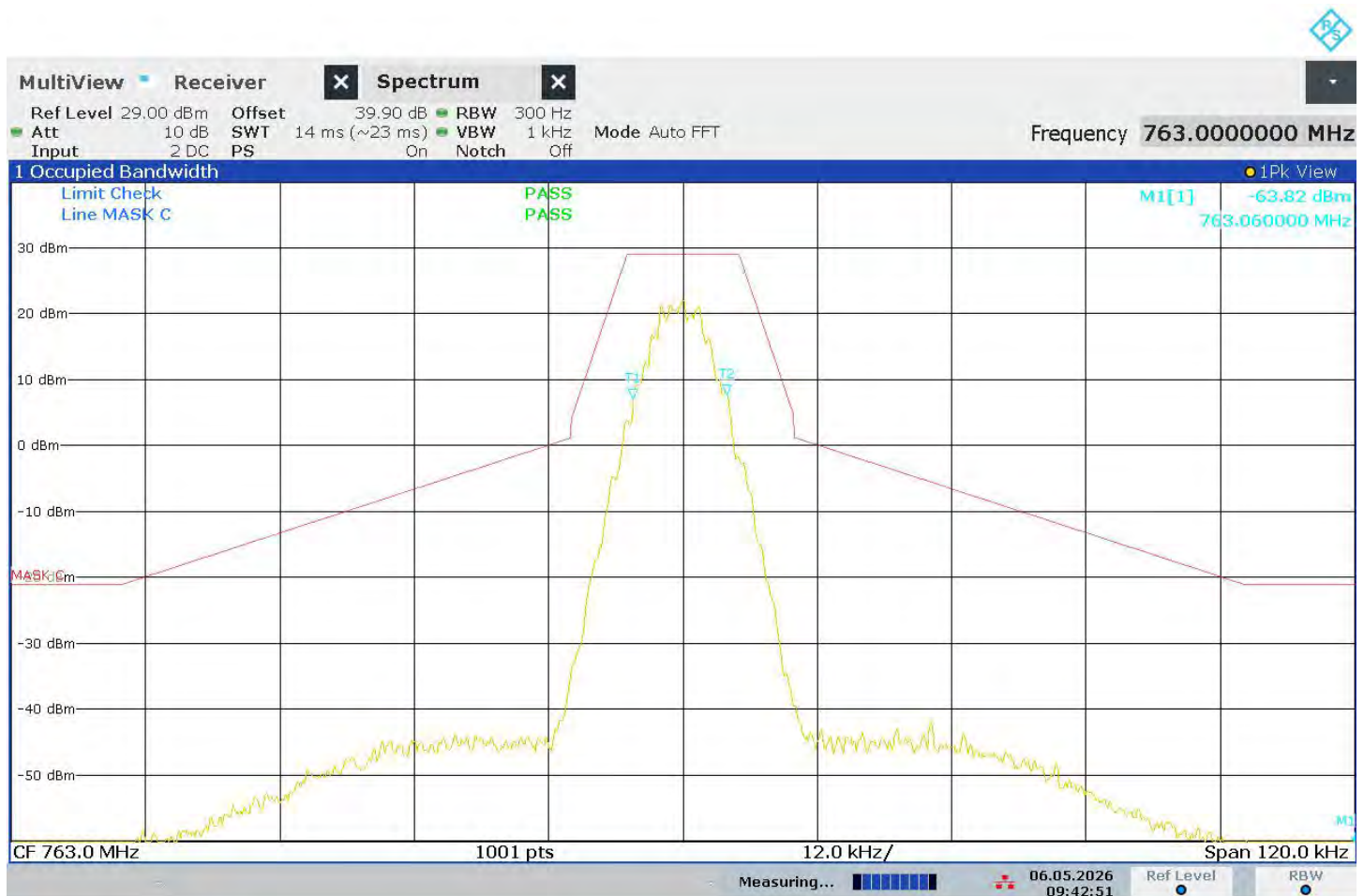
14:07:57 06.05.2026

8.5.24 25 kHz FM, DL Mask C, AGC+3, 763 MHz



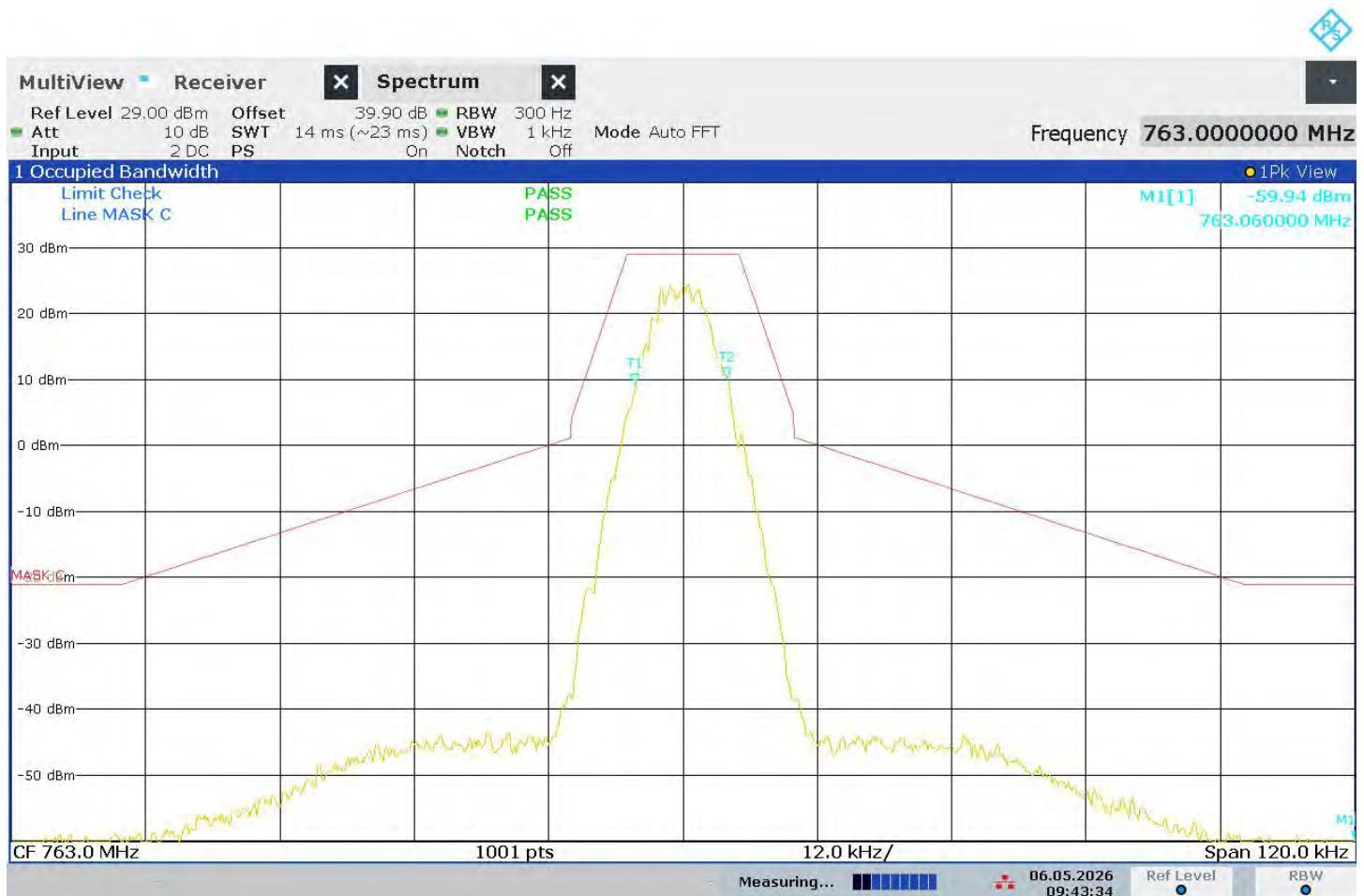
14:09:08 06.05.2026

8.5.25 C4FM, DL Mask C, AGC, 763 MHz



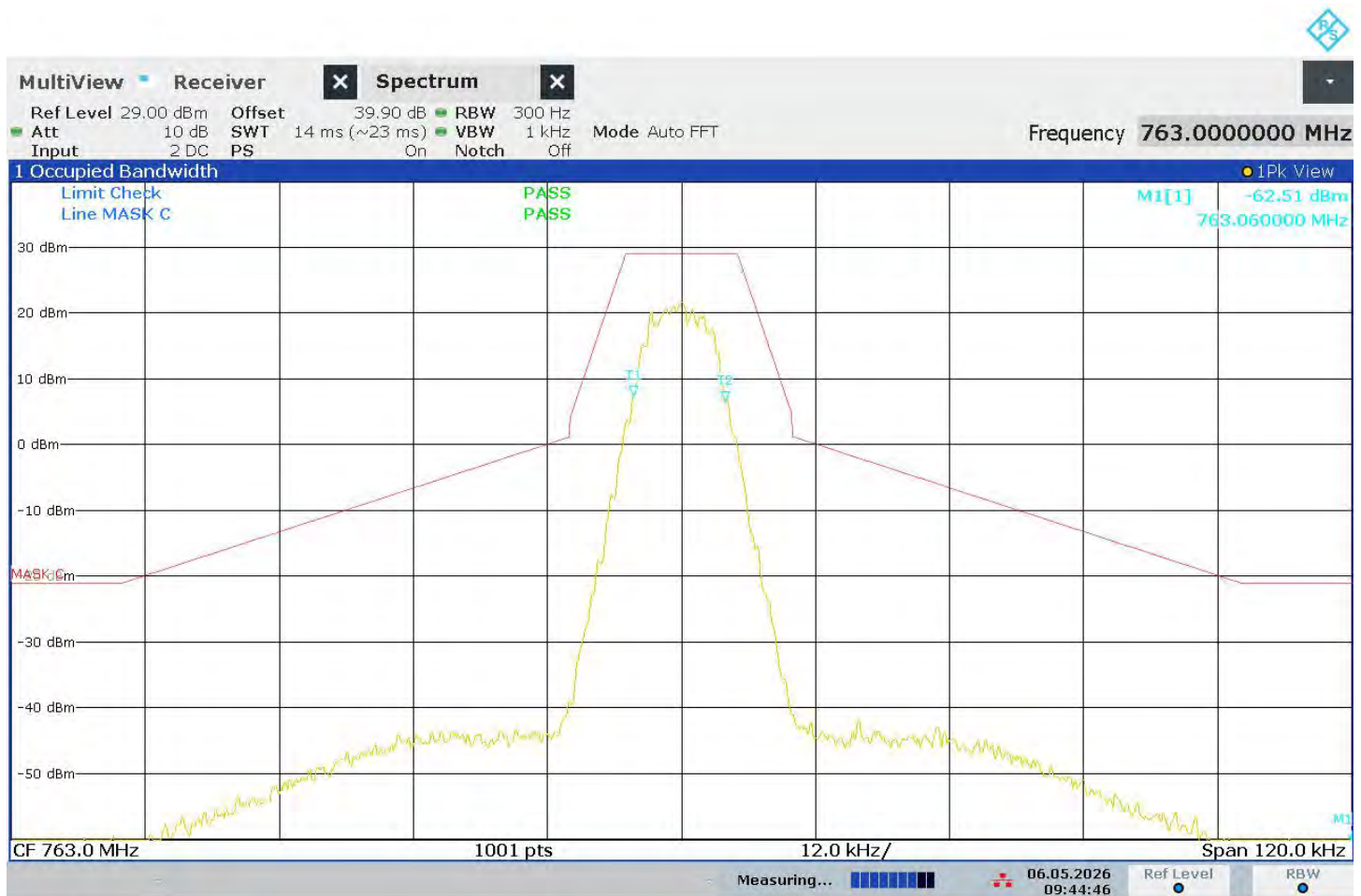
09:42:51 06.05.2026

8.5.26 C4FM, DL Mask C, AGC+3, 763 MHz



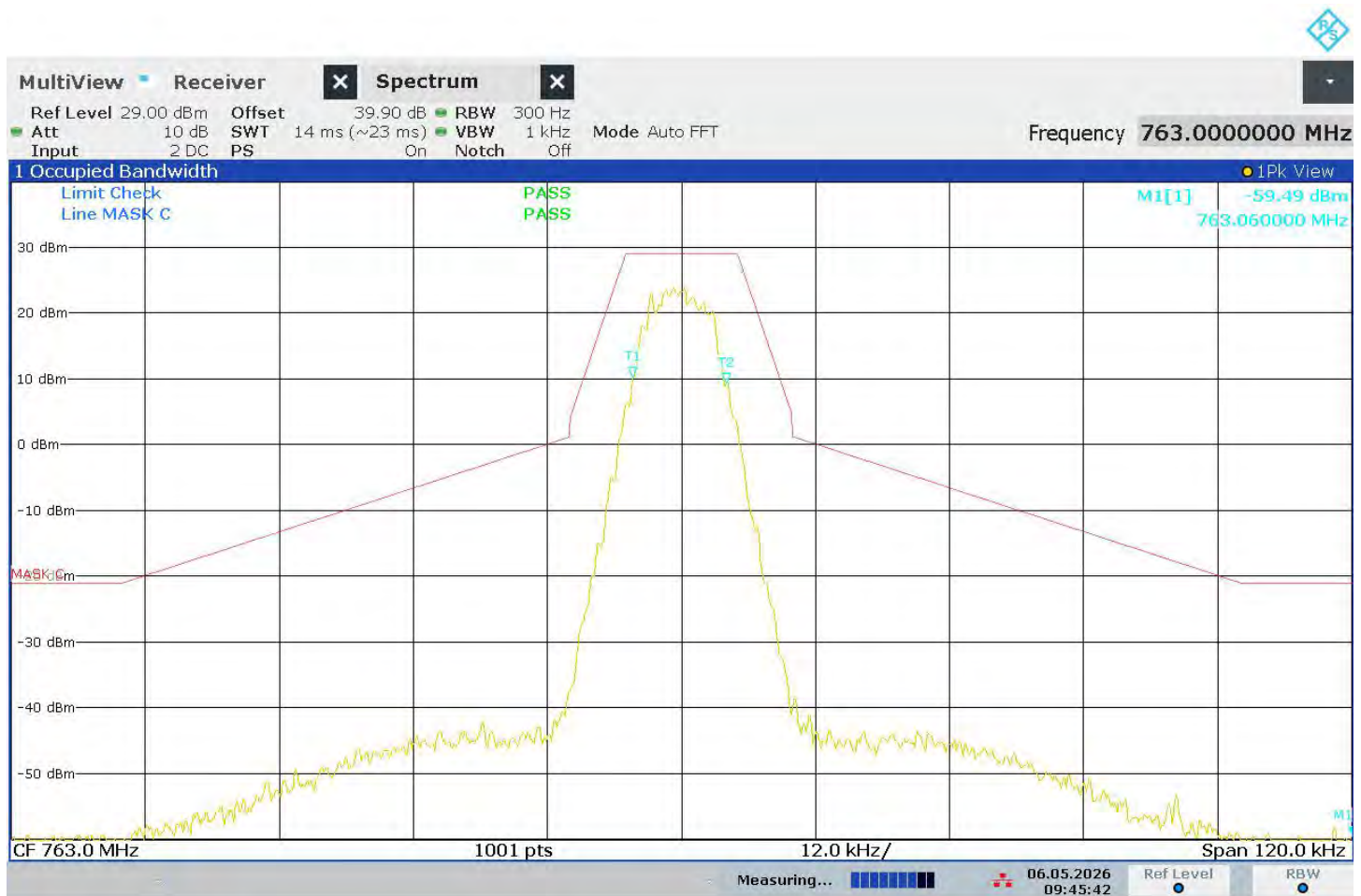
09:43:34 06.05.2026

8.5.27 H-CPM, DL Mask C, AGC, 763 MHz



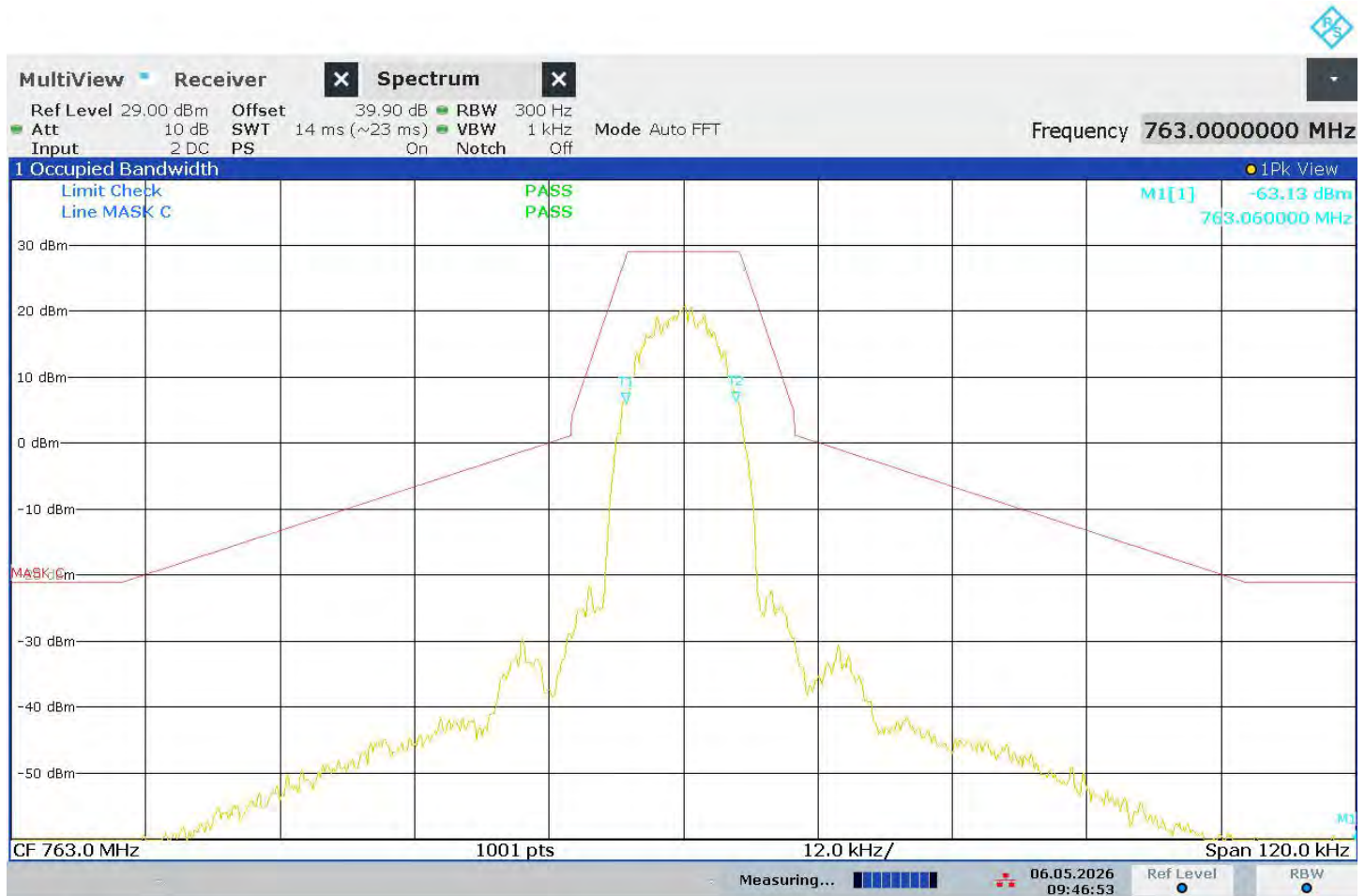
09:44:47 06.05.2026

8.5.28 H-CPM, DL Mask C, AGC+3, 763 MHz



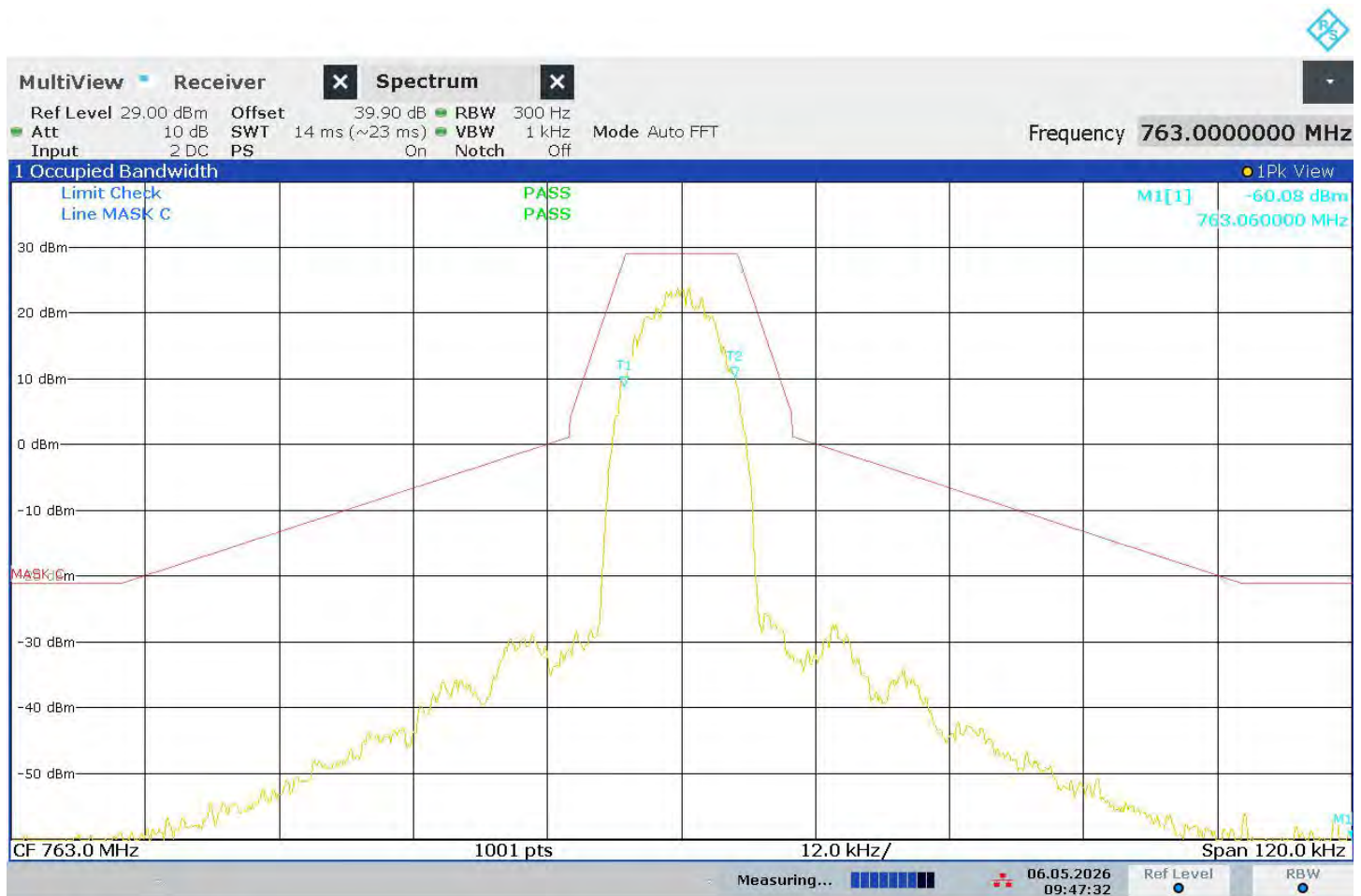
09:45:43 06.05.2026

8.5.29 H-DQPSK, DL Mask C, AGC, 763 MHz



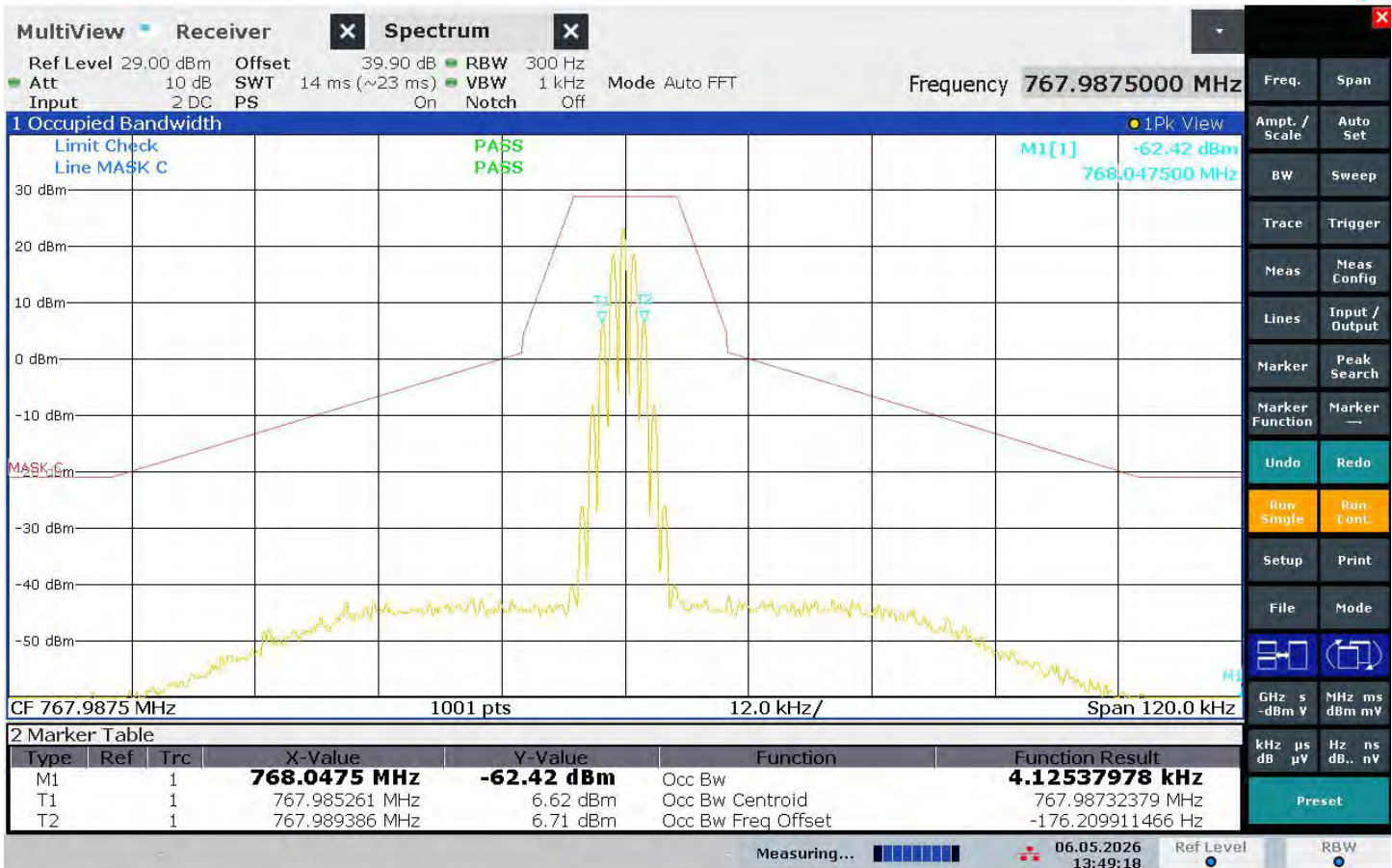
09:46:53 06.05.2026

8.5.30 H-DQPSK, DL Mask C, AGC+3, 763 MHz



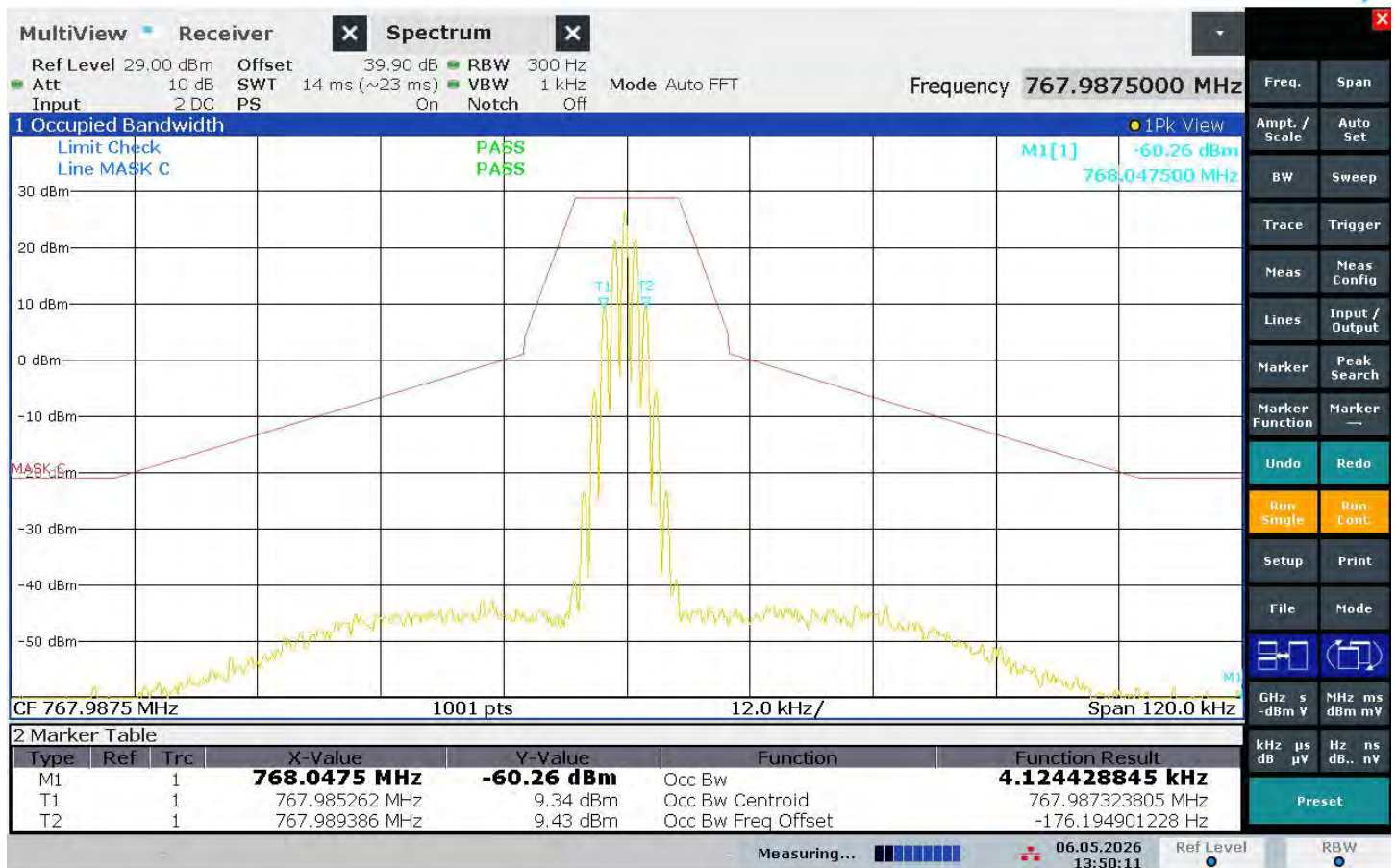
09:47:33 06.05.2026

8.5.31 6.25 kHz, FM, DL Mask C, AGC, 767 MHz



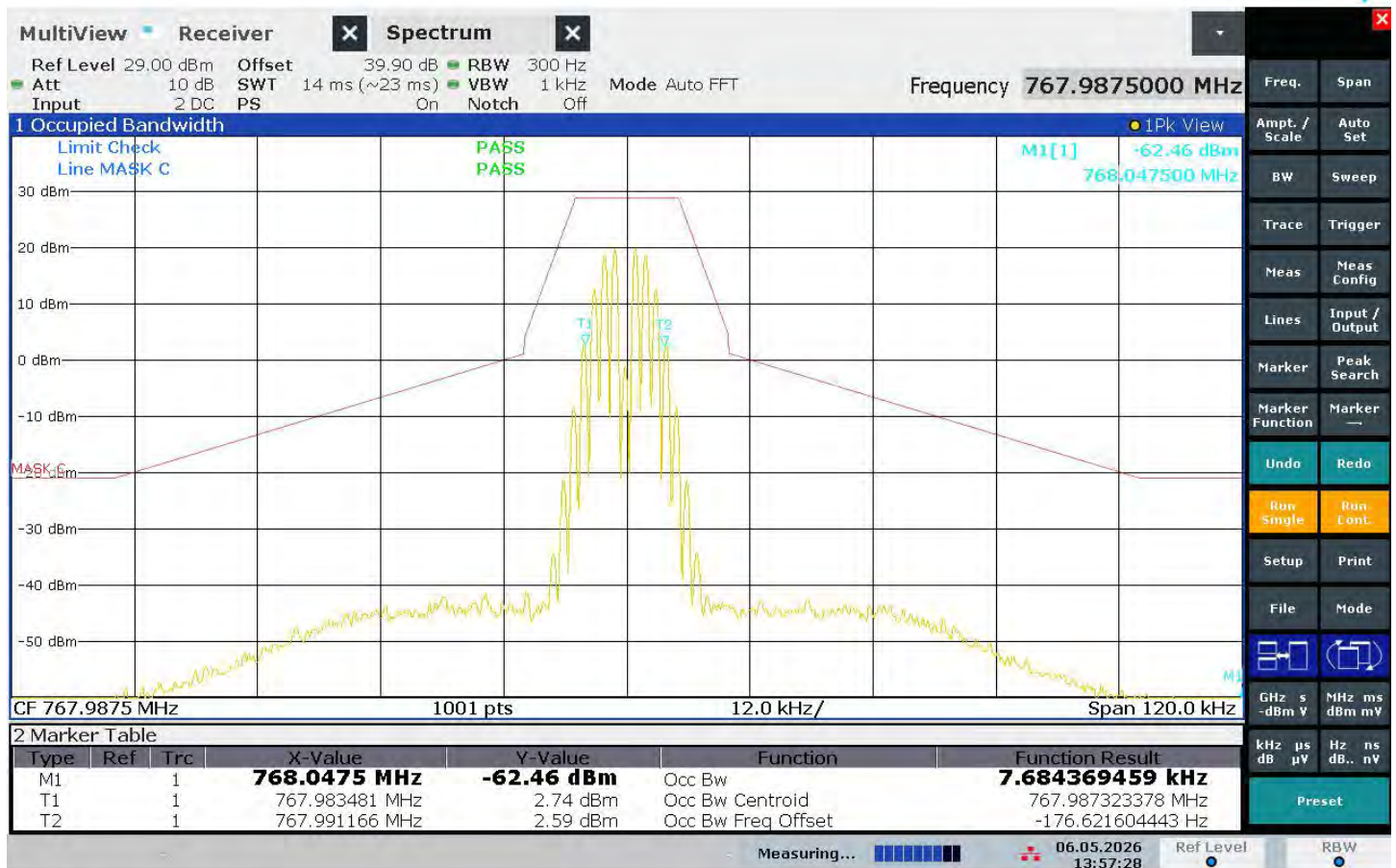
13:49:18 06.05.2026

8.5.32 6.25 kHz, FM, DL Mask C, AGC +3, 767 MHz



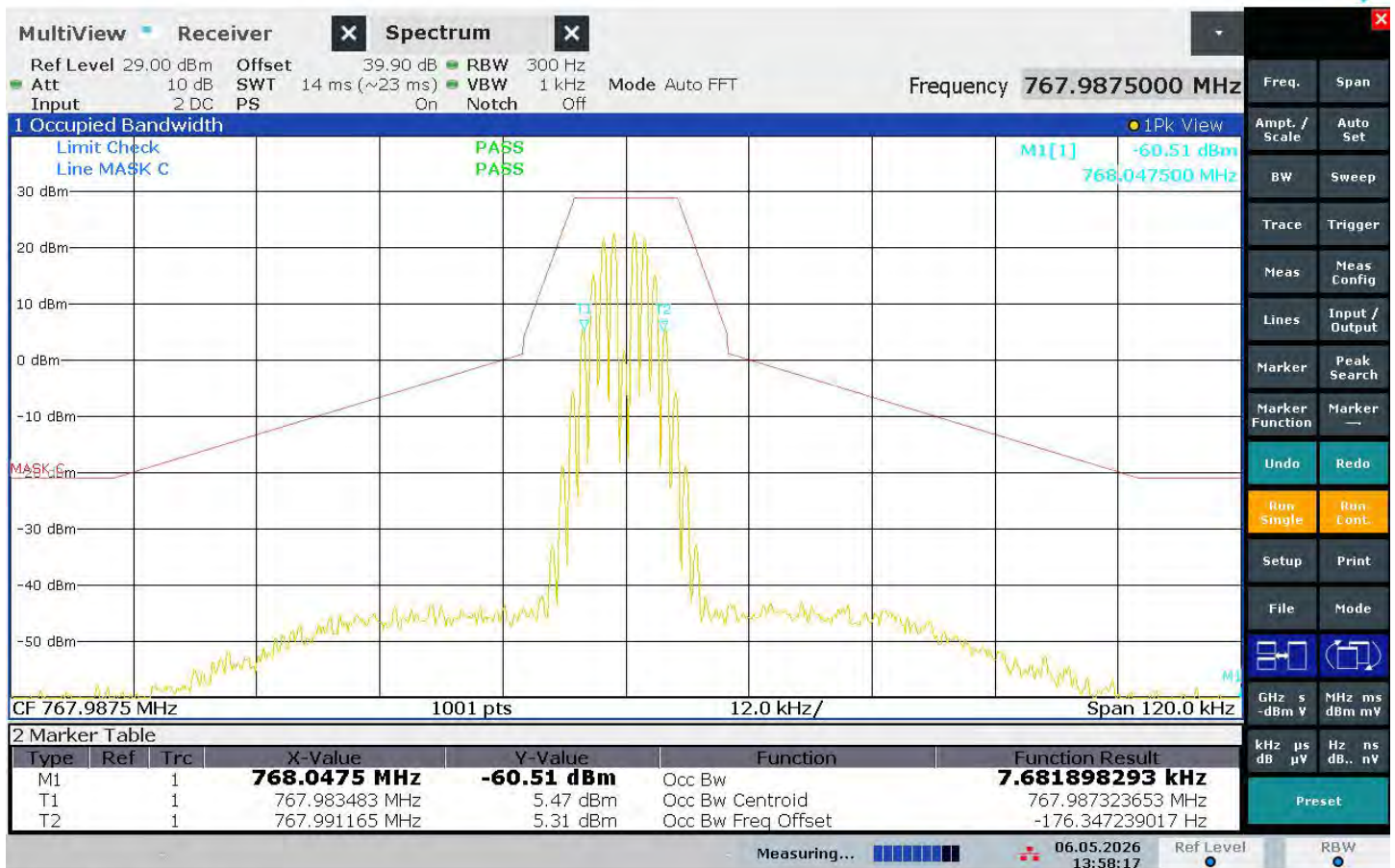
13:50:11 06.05.2026

8.5.33 12.5 kHz, FM, DL Mask C, AGC, 767 MHz



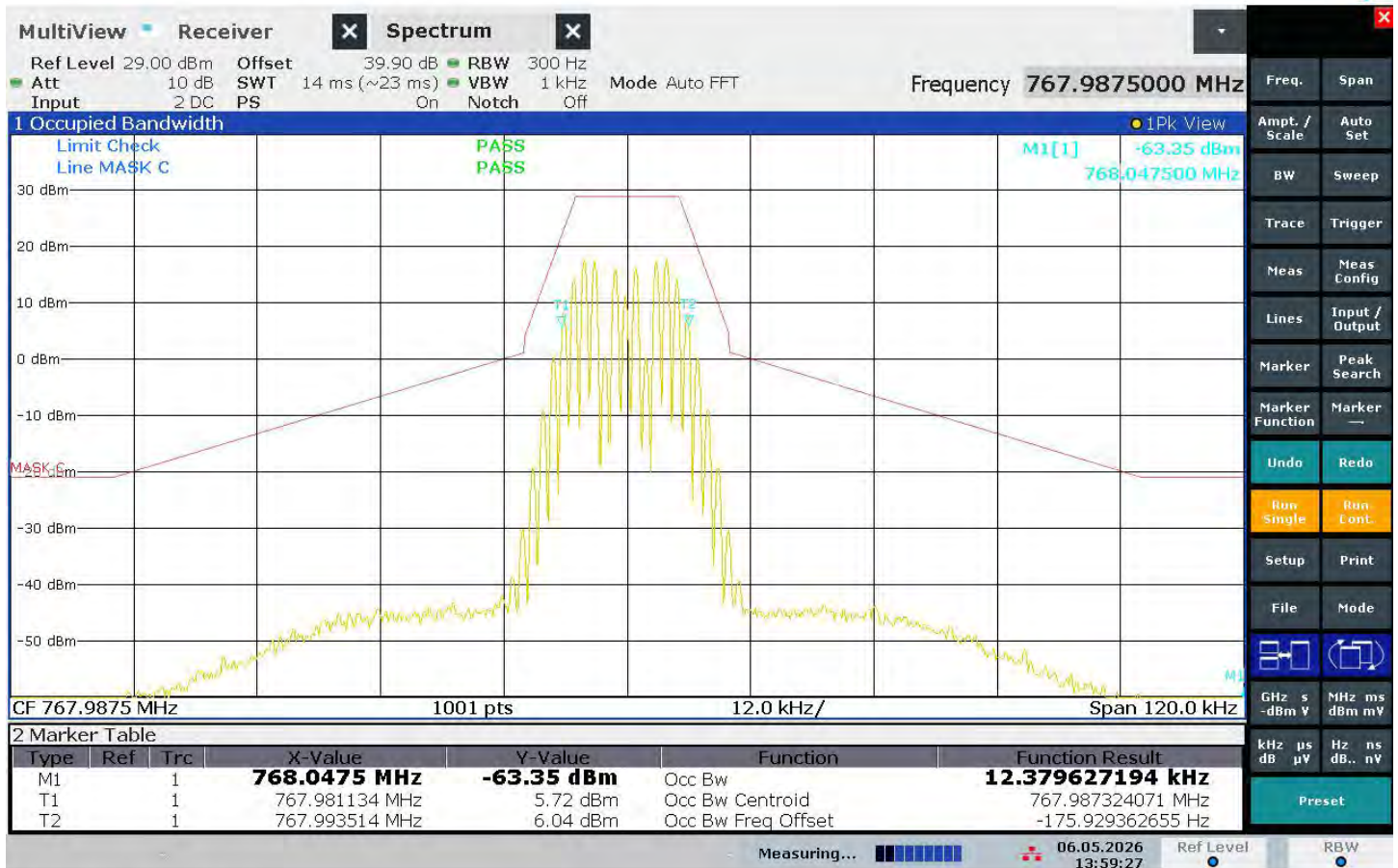
13:57:28 06.05.2026

8.5.34 12.5 kHz, FM, DL Mask C, AGC+3, 767 MHz



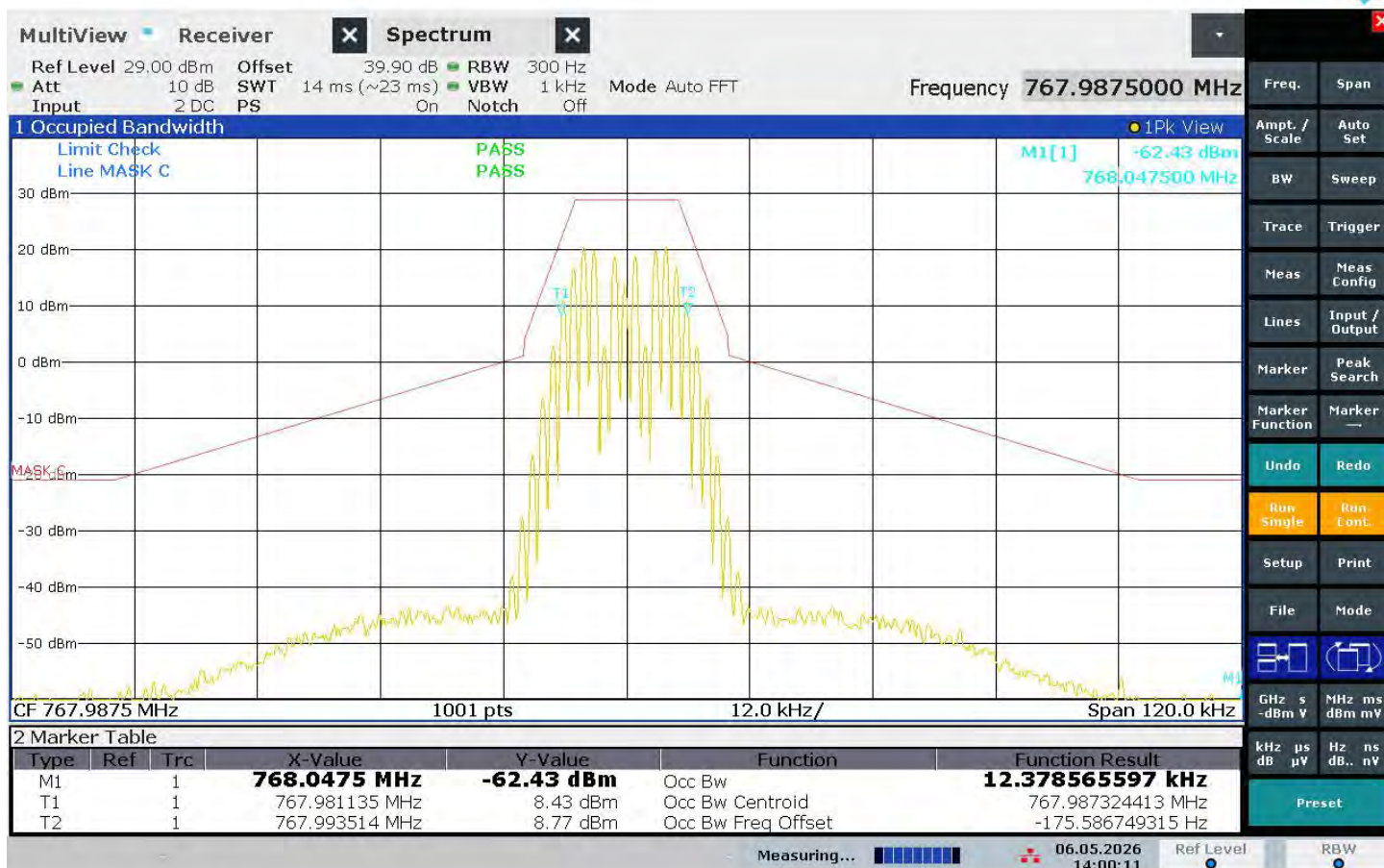
13:58:17 06.05.2026

8.5.35 25 kHz FM, DL Mask C, AGC, 767 MHz



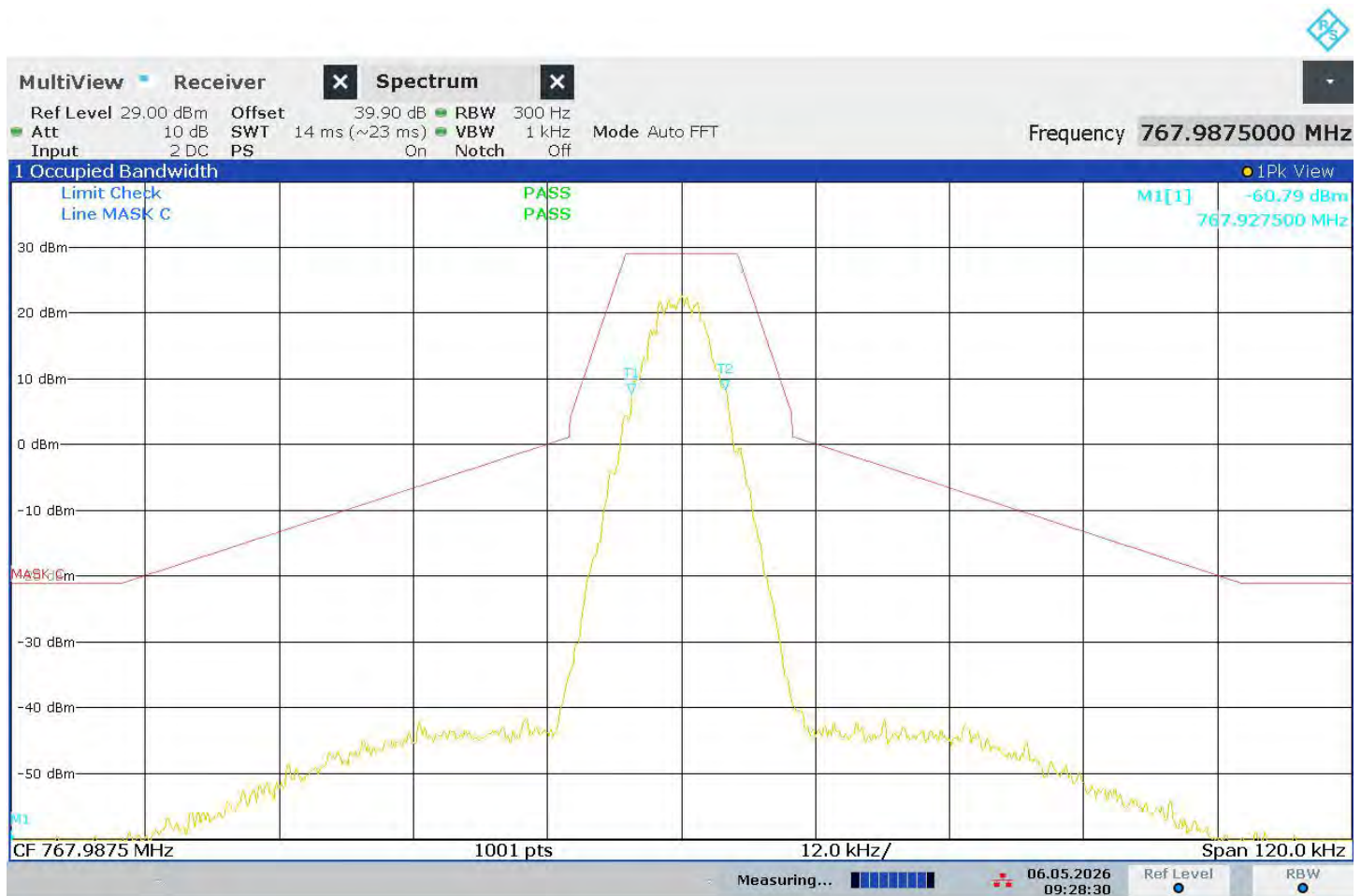
13:59:27 06.05.2026

8.5.36 25 kHz FM, DL Mask C, AGC+3, 767 MHz



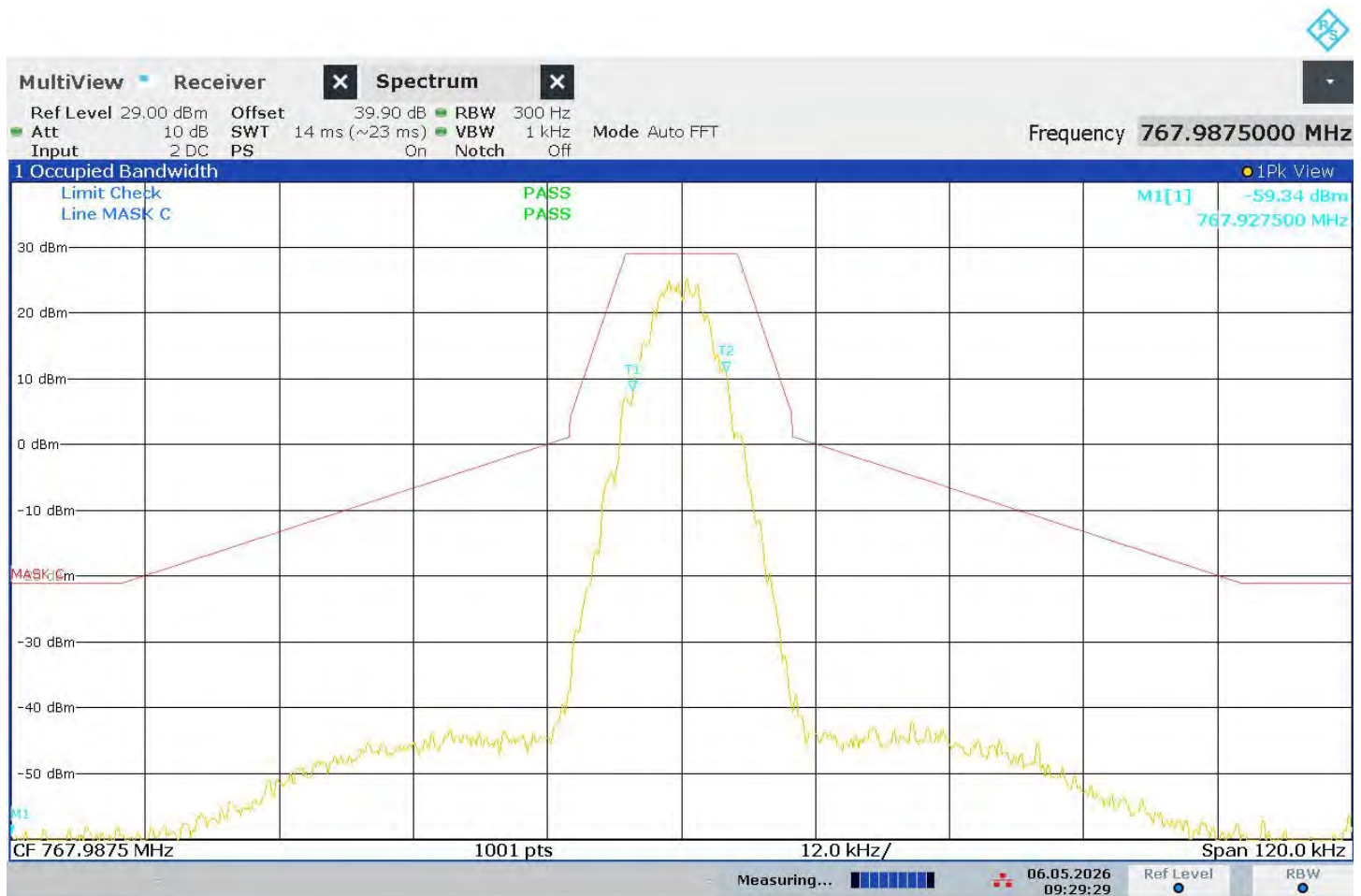
14:00:11 06.05.2026

8.5.37 C4FM, DL Mask C, AGC, 767 MHz



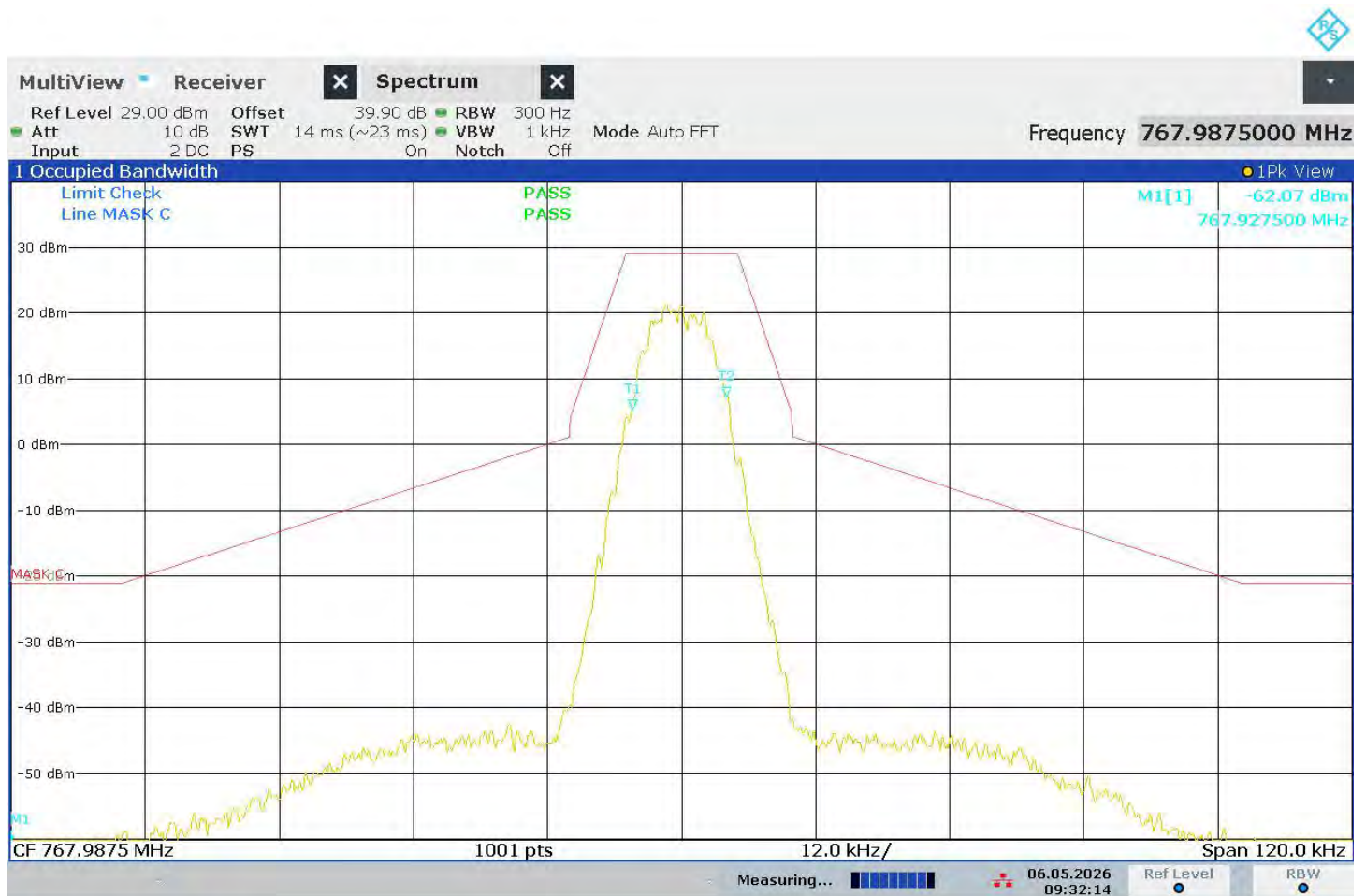
09:28:30 06.05.2026

8.5.38 C4FM, DL Mask C, AGC+3, 767 MHz



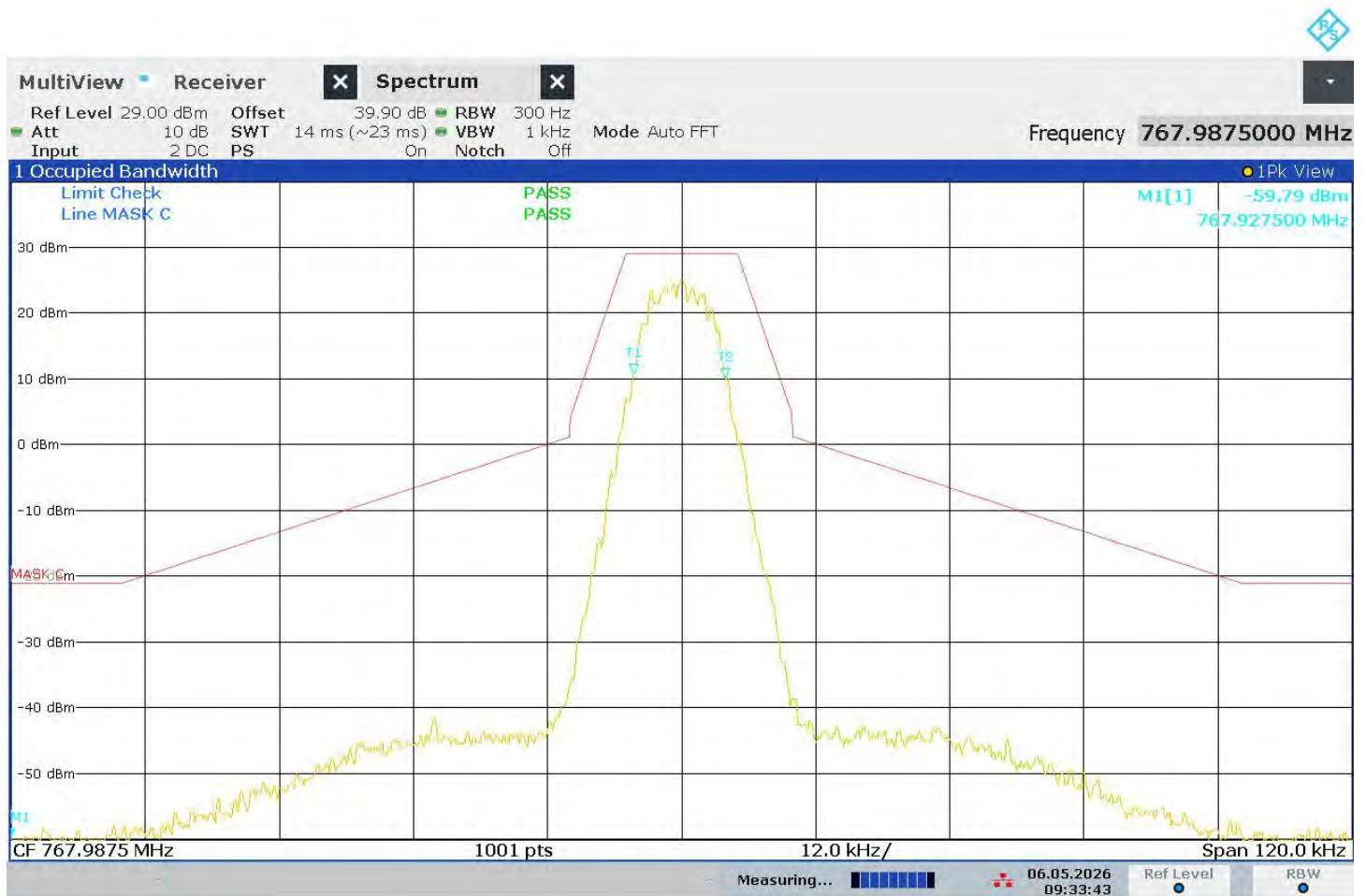
09:29:30 06.05.2026

8.5.39 H-CPM, DL Mask C, AGC, 767 MHz



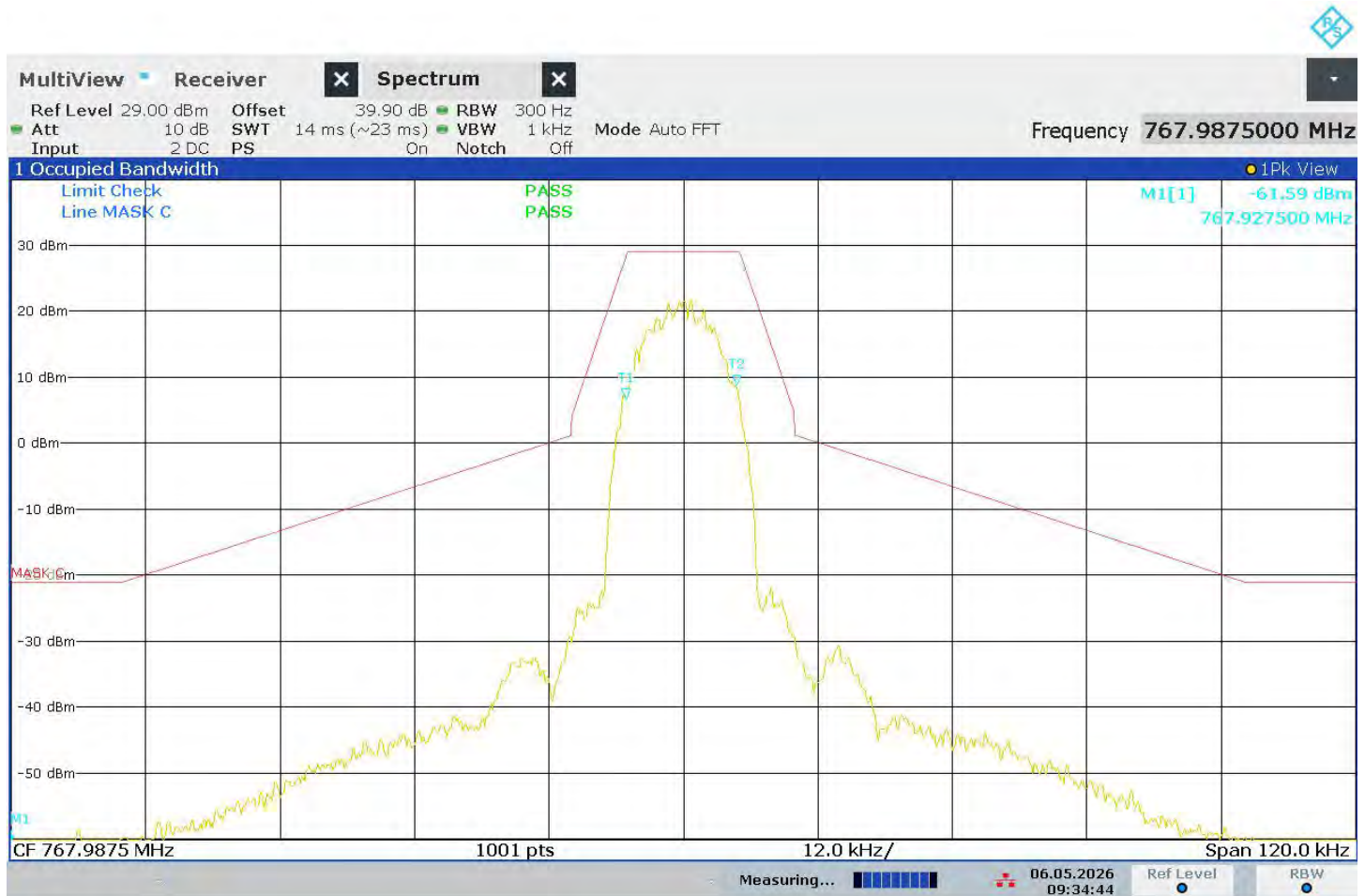
09:32:14 06.05.2026

8.5.40 H-CPM, DL Mask C, AGC+3, 767 MHz



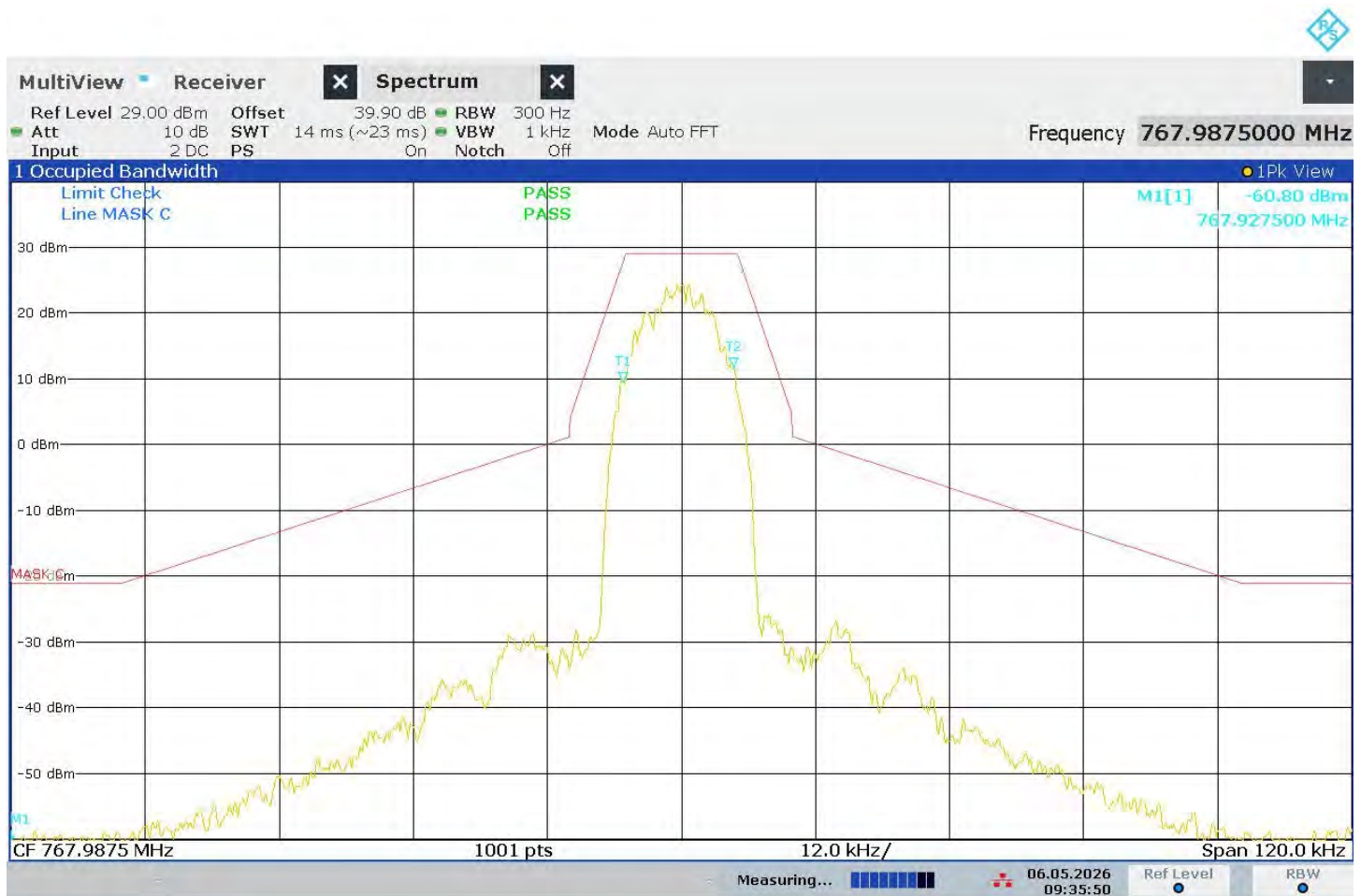
09:33:43 06.05.2026

8.5.41 H-DQPSK, DL Mask C, AGC, 767 MHz



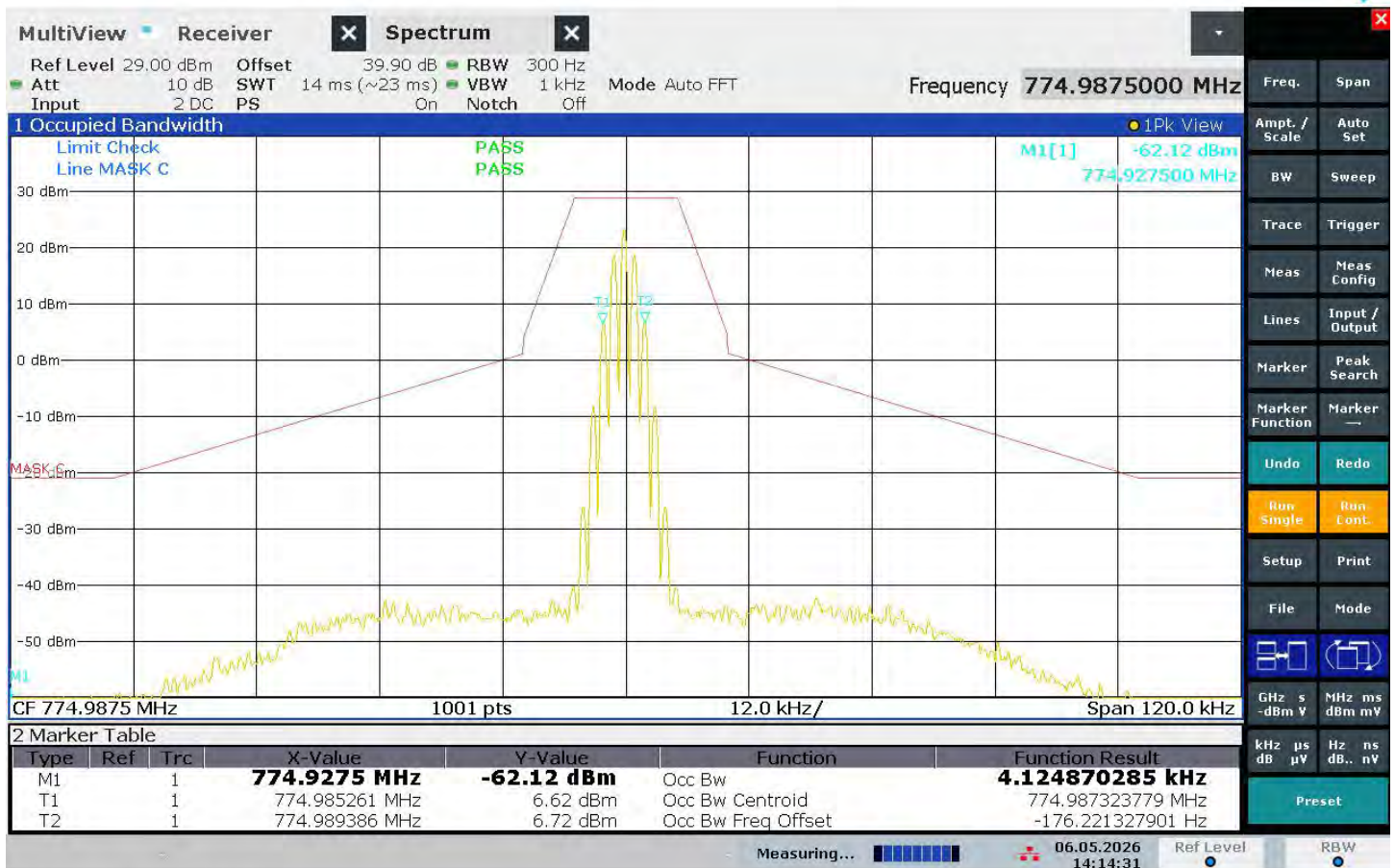
09:34:44 06.05.2026

8.5.42 H-DQPSK, DL Mask C, AGC+3, 767 MHz



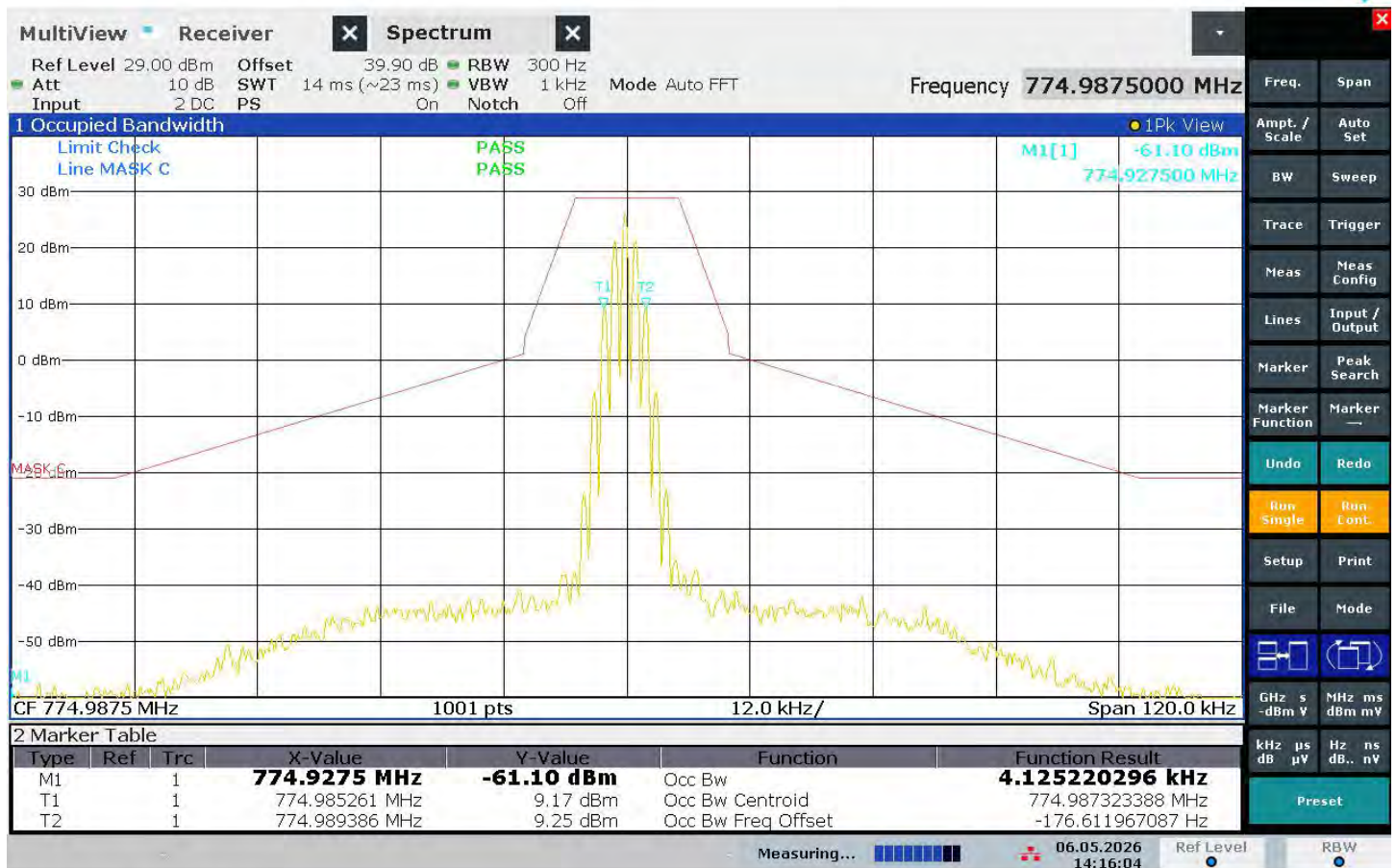
09:35:50 06.05.2026

8.5.43 6.25 kHz, FM, DL Mask C, AGC, 774 MHz



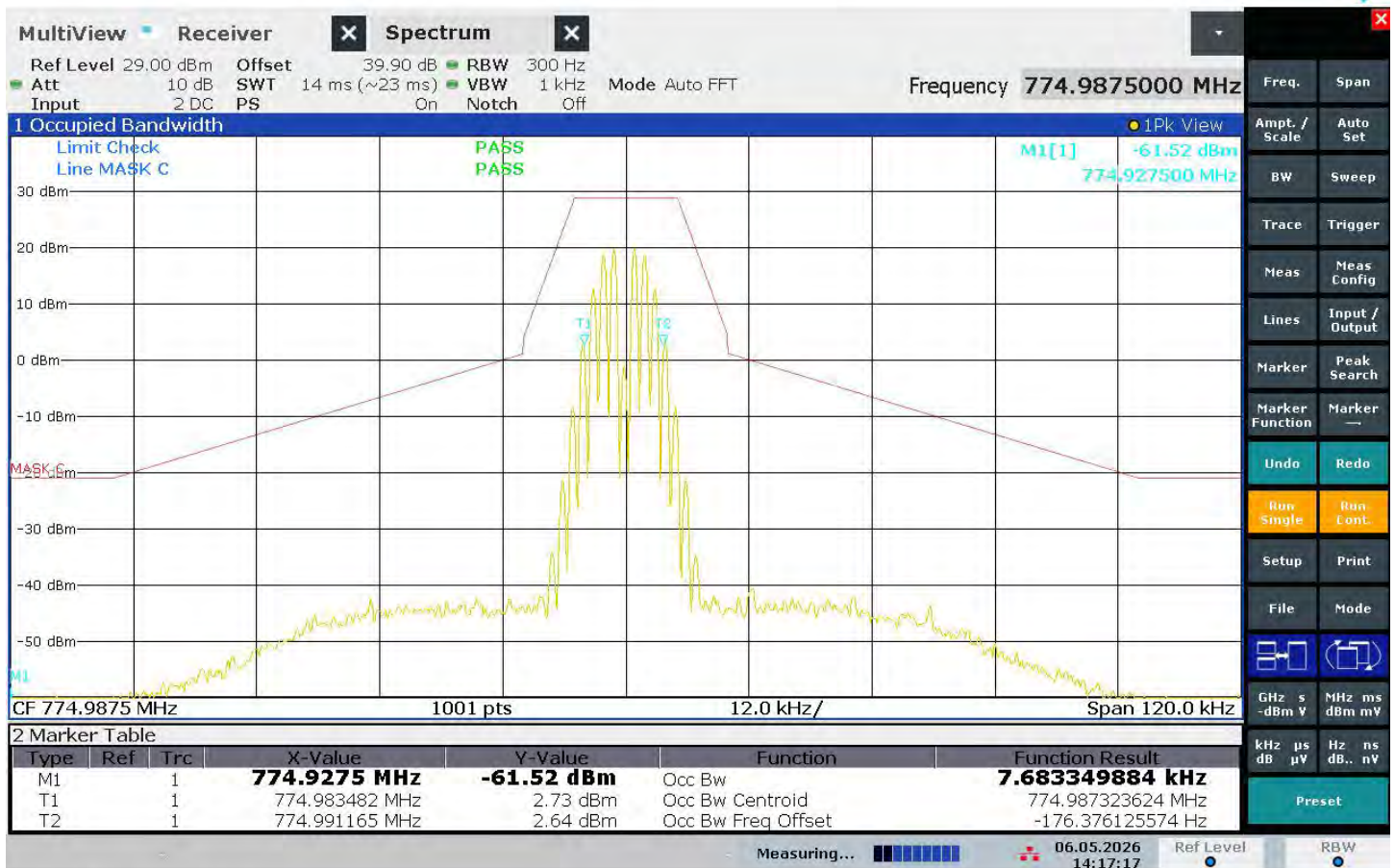
14:14:32 06.05.2026

8.5.44 6.25 kHz, FM, DL Mask C, AGC +3, 774 MHz



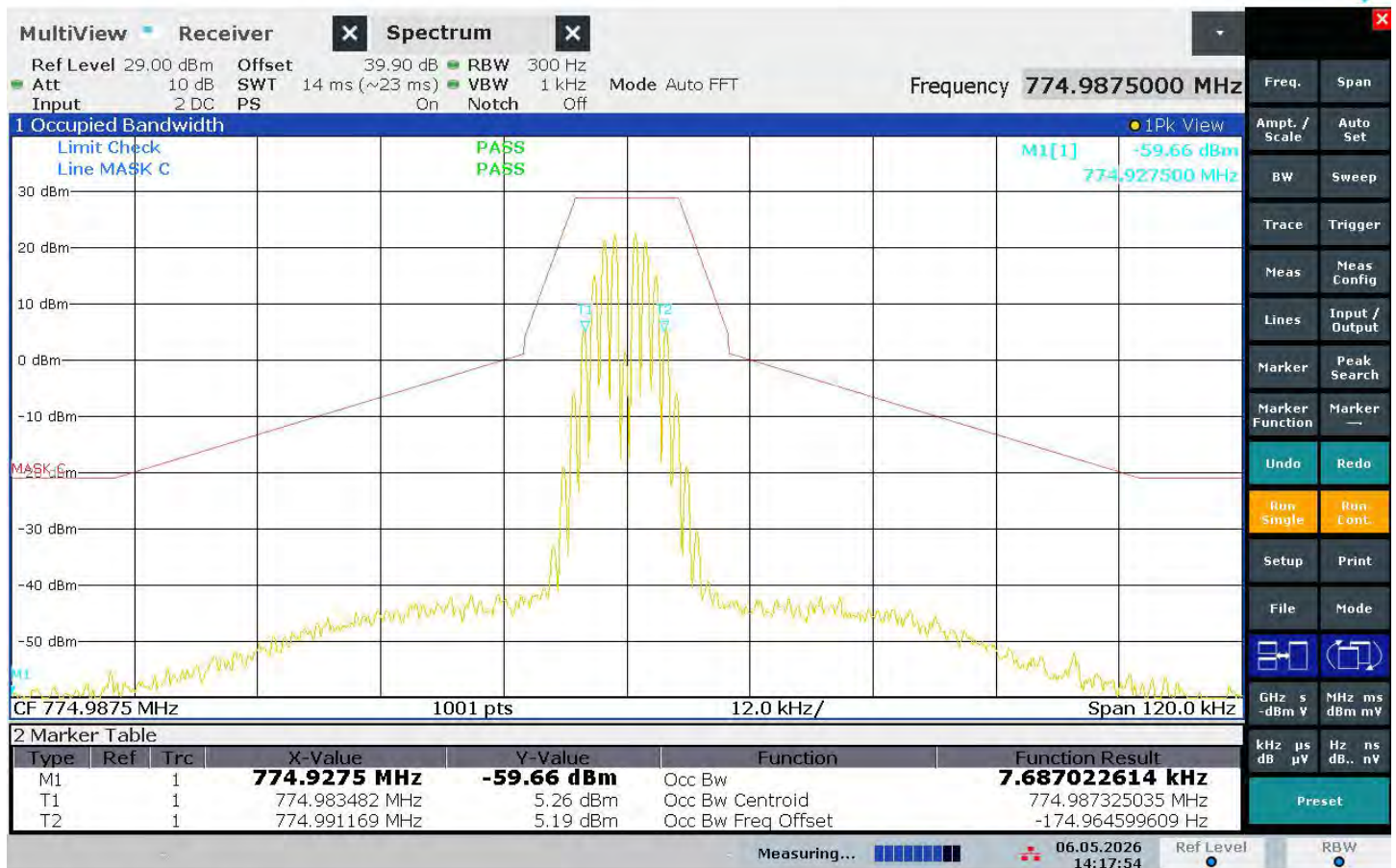
14:16:04 06.05.2026

8.5.45 12.5 kHz, FM, DL Mask C, AGC, 774 MHz



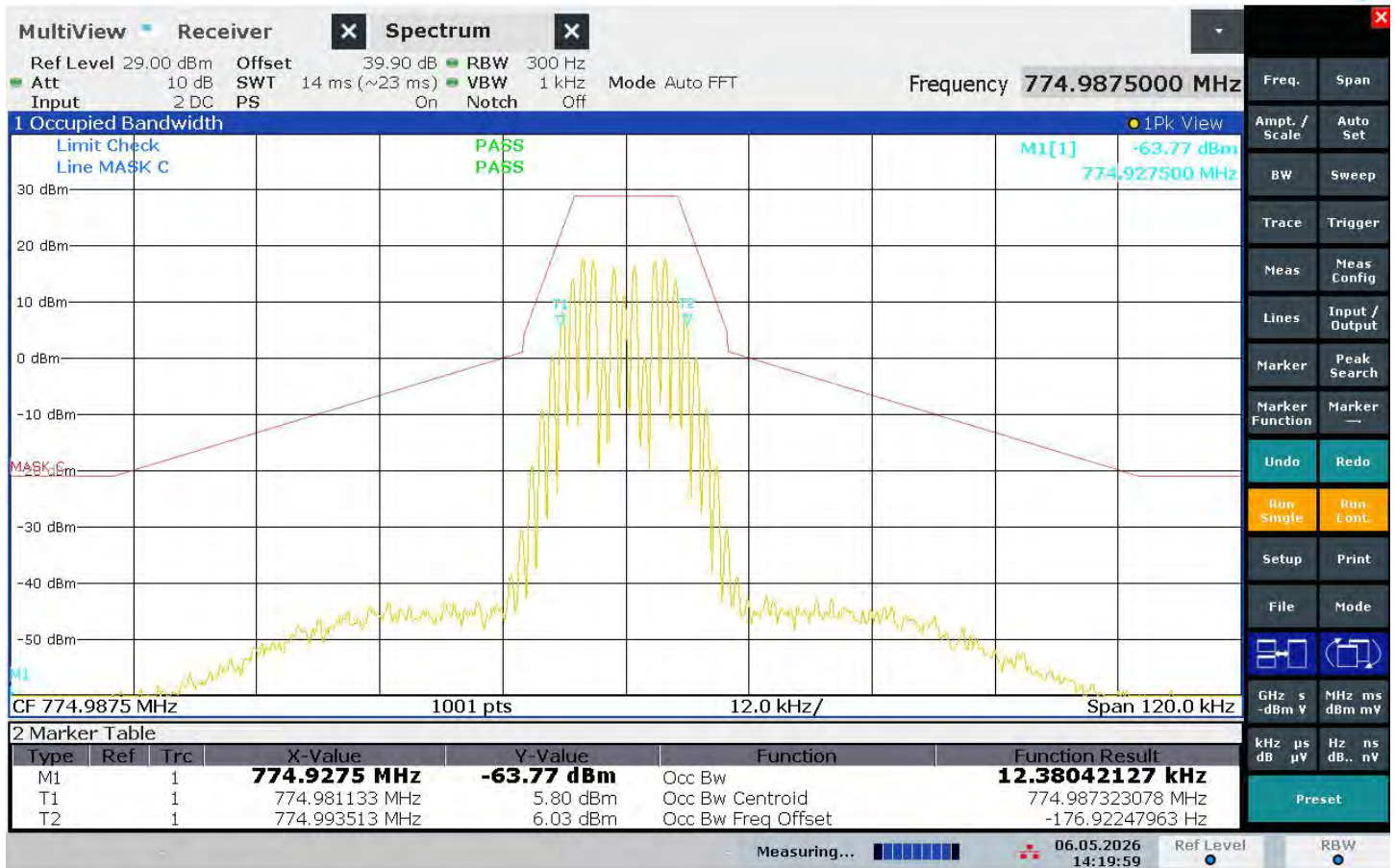
14:17:17 06.05.2026

8.5.46 12.5 kHz, FM, DL Mask C, AGC+3, 774 MHz



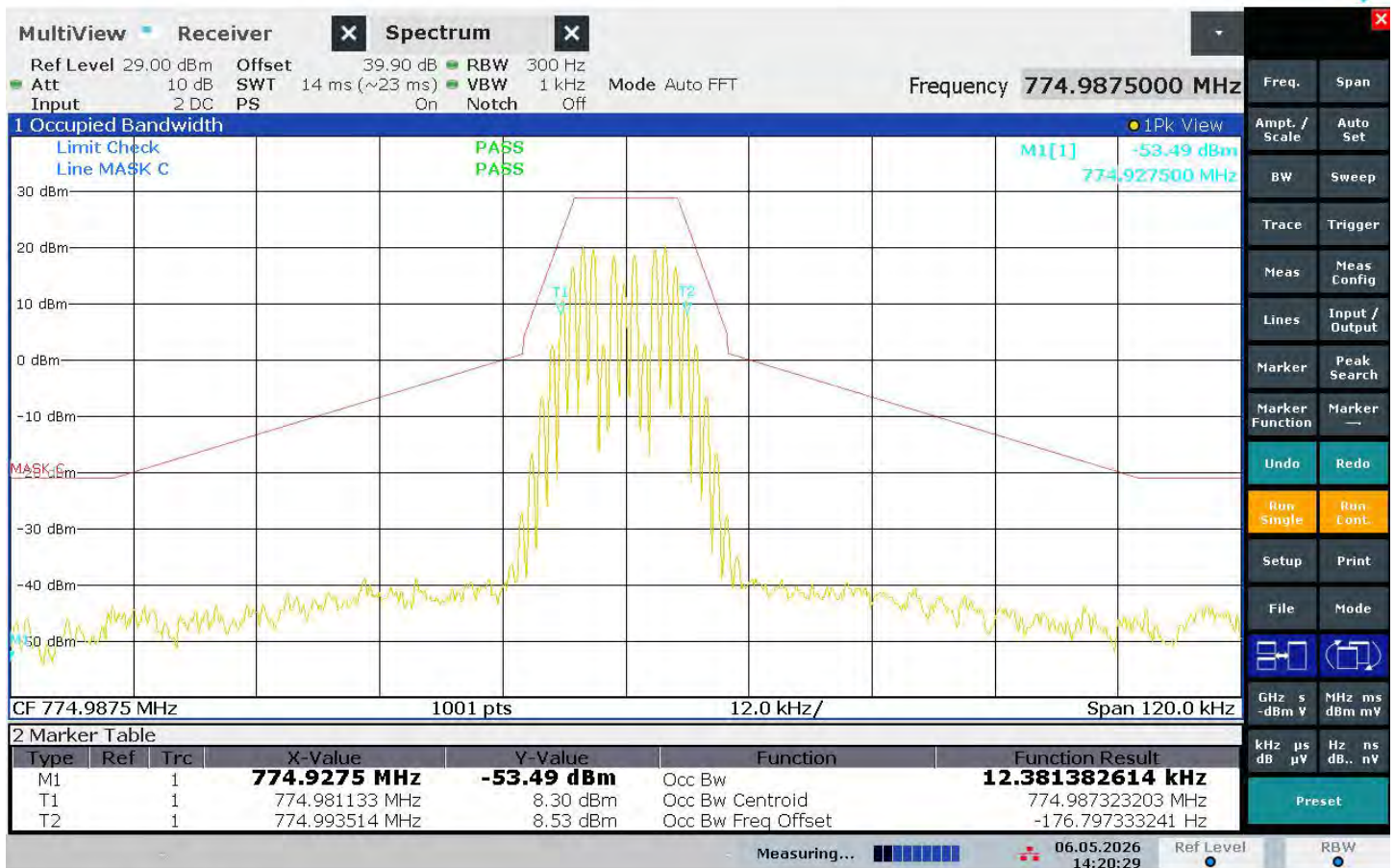
14:17:54 06.05.2026

8.5.47 25 kHz FM, DL Mask C, AGC, 774 MHz



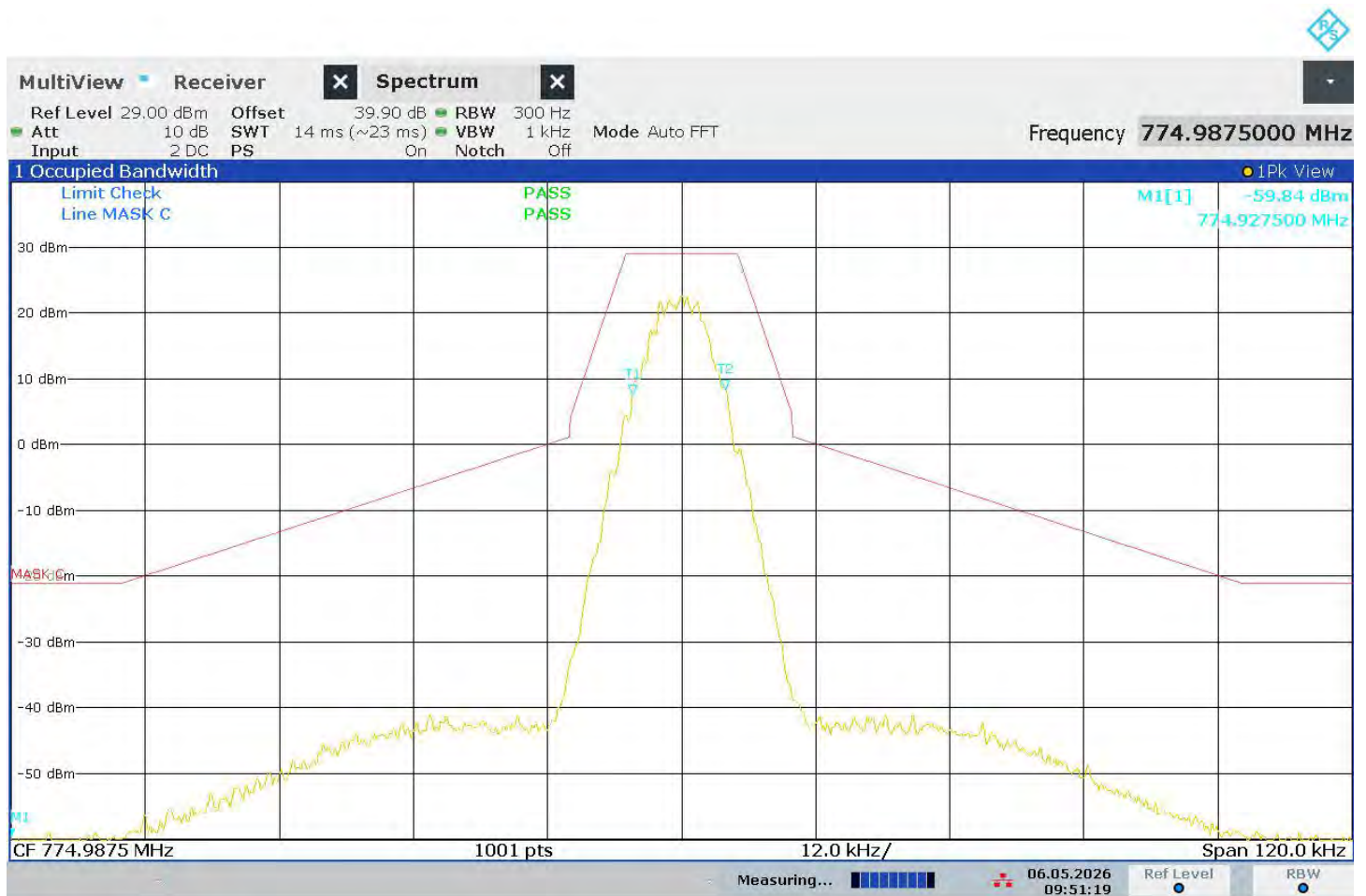
14:19:59 06.05.2026

8.5.48 25 kHz FM, DL Mask C, AGC+3, 774 MHz



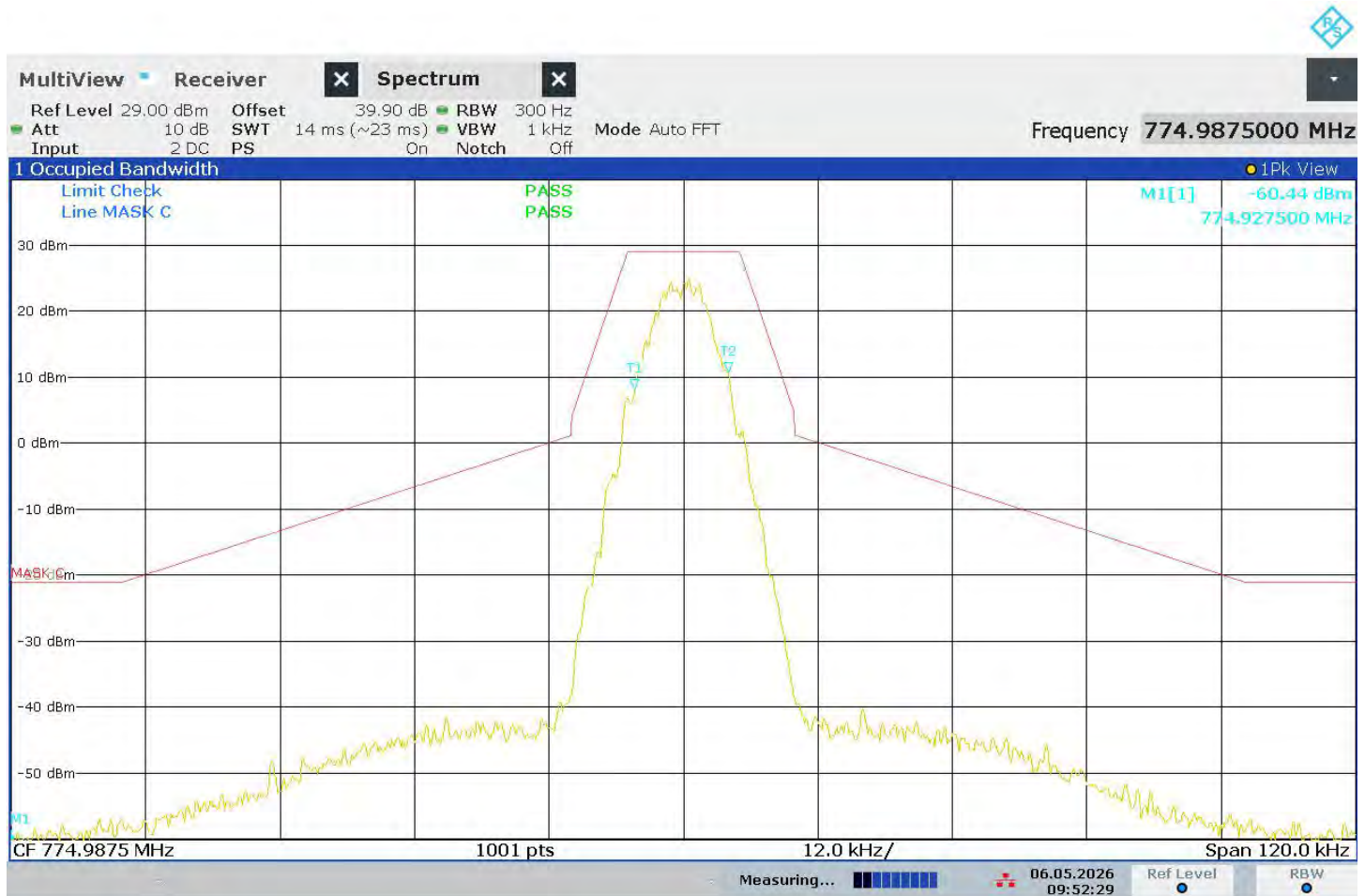
14:20:29 06.05.2026

8.5.49 C4FM, DL Mask C, AGC, 774 MHz



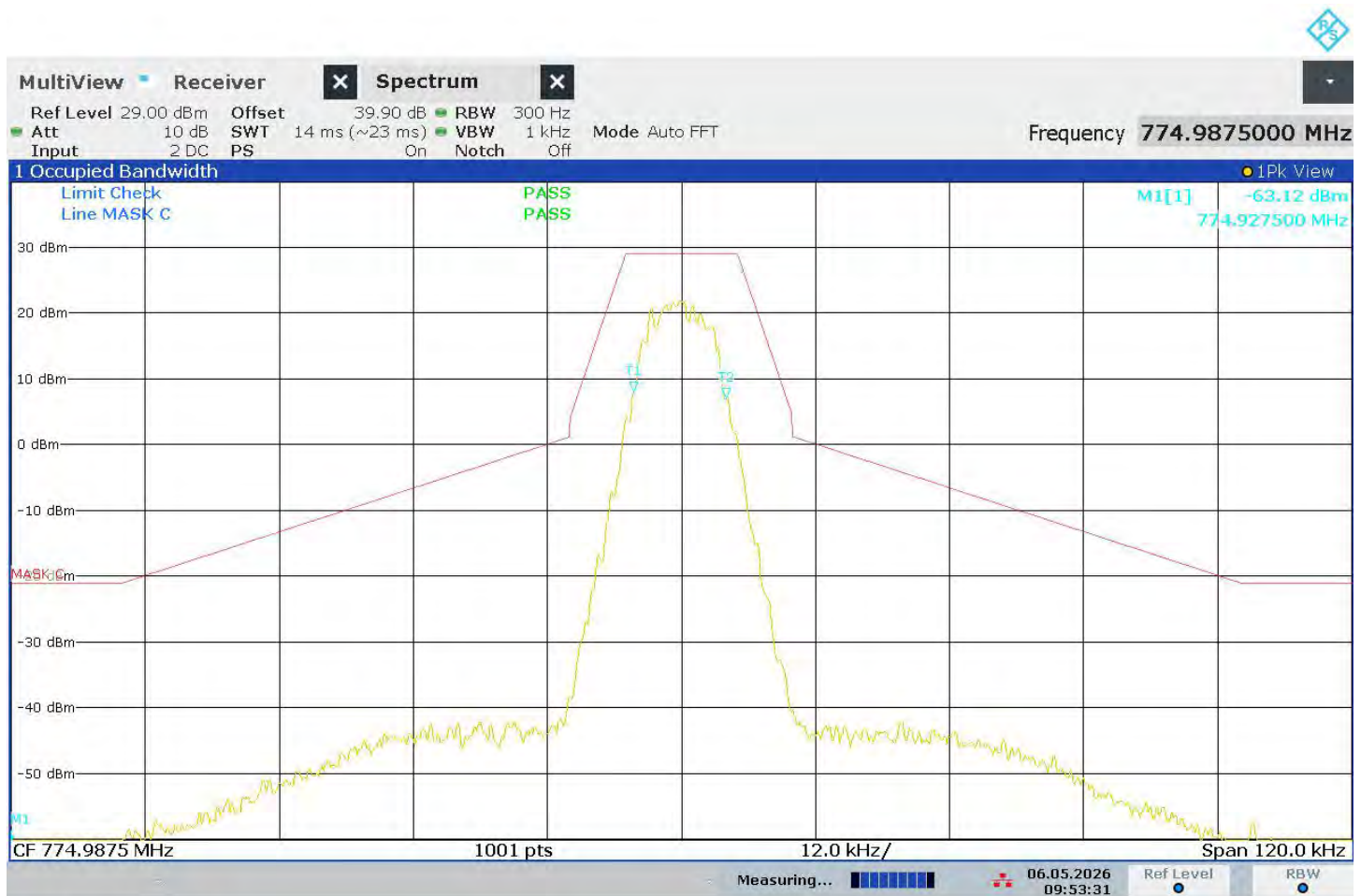
09:51:20 06.05.2026

8.5.50 C4FM, DL Mask C, AGC+3, 774 MHz



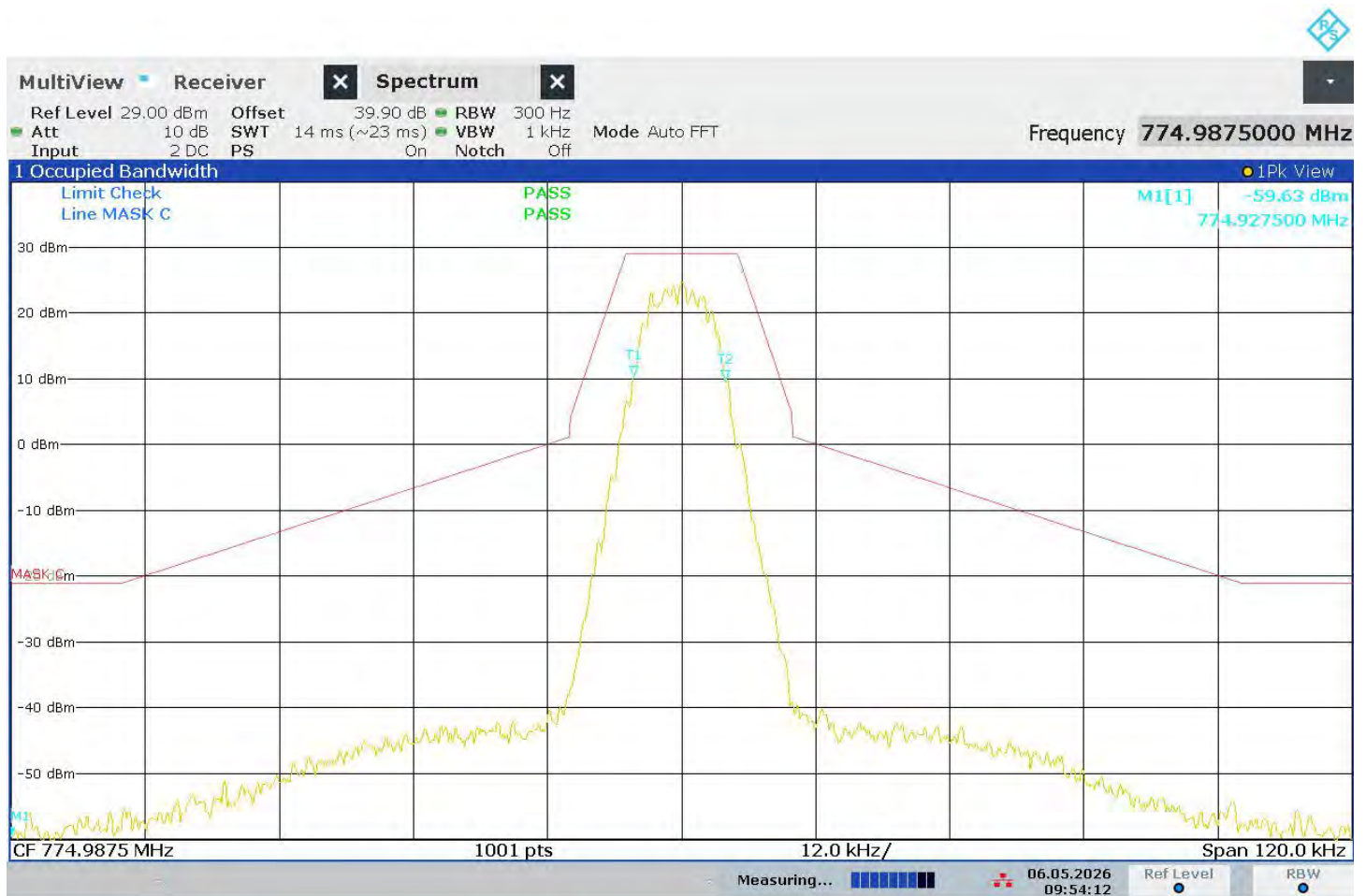
09:52:30 06.05.2026

8.5.51 H-CPM, DL Mask C, AGC, 774 MHz



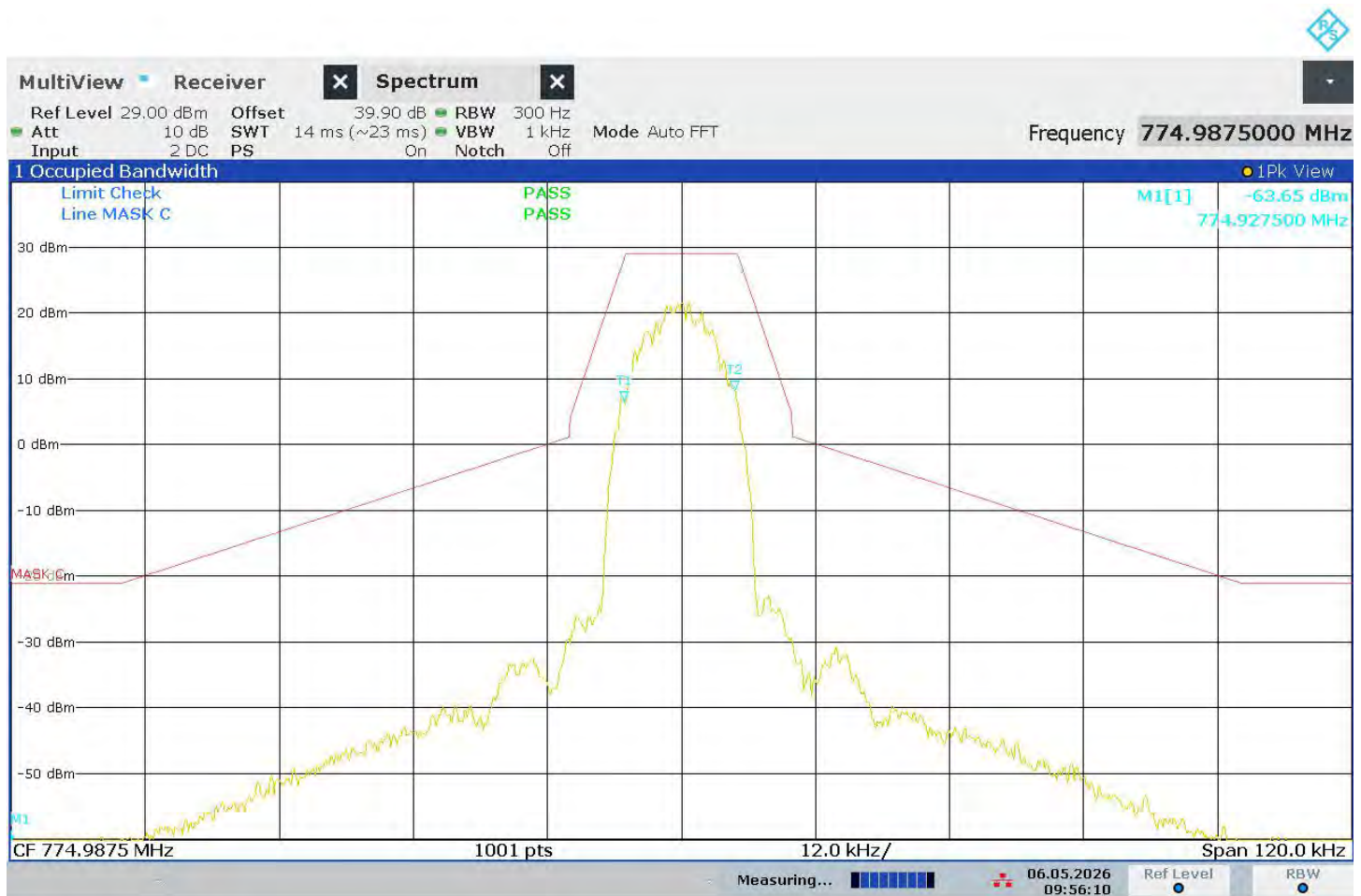
09:53:31 06.05.2026

8.5.52 H-CPM, DL Mask C, AGC+3, 774 MHz



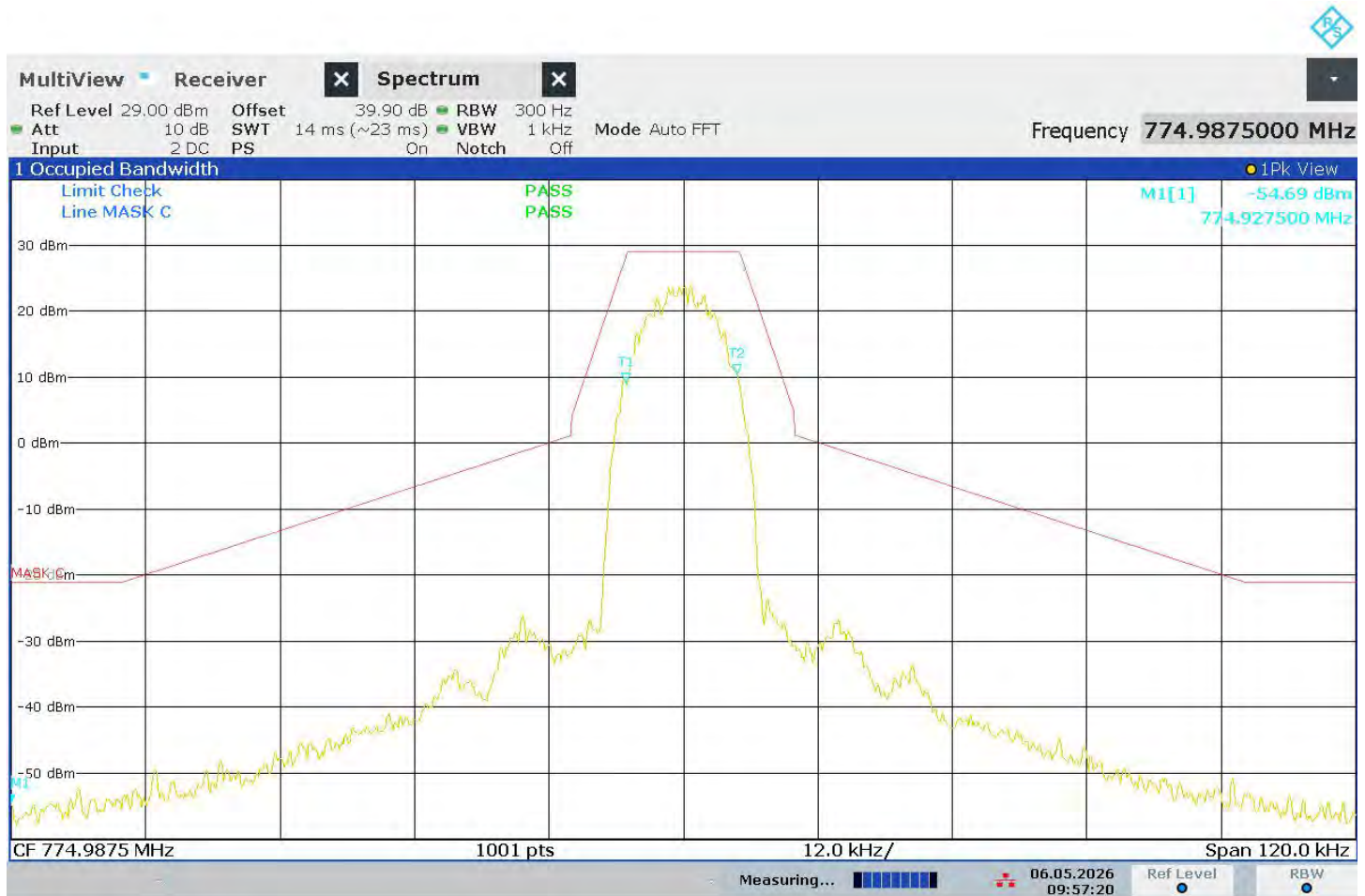
09:54:12 06.05.2026

8.5.53 H-DQPSK, DL Mask C, AGC, 774 MHz



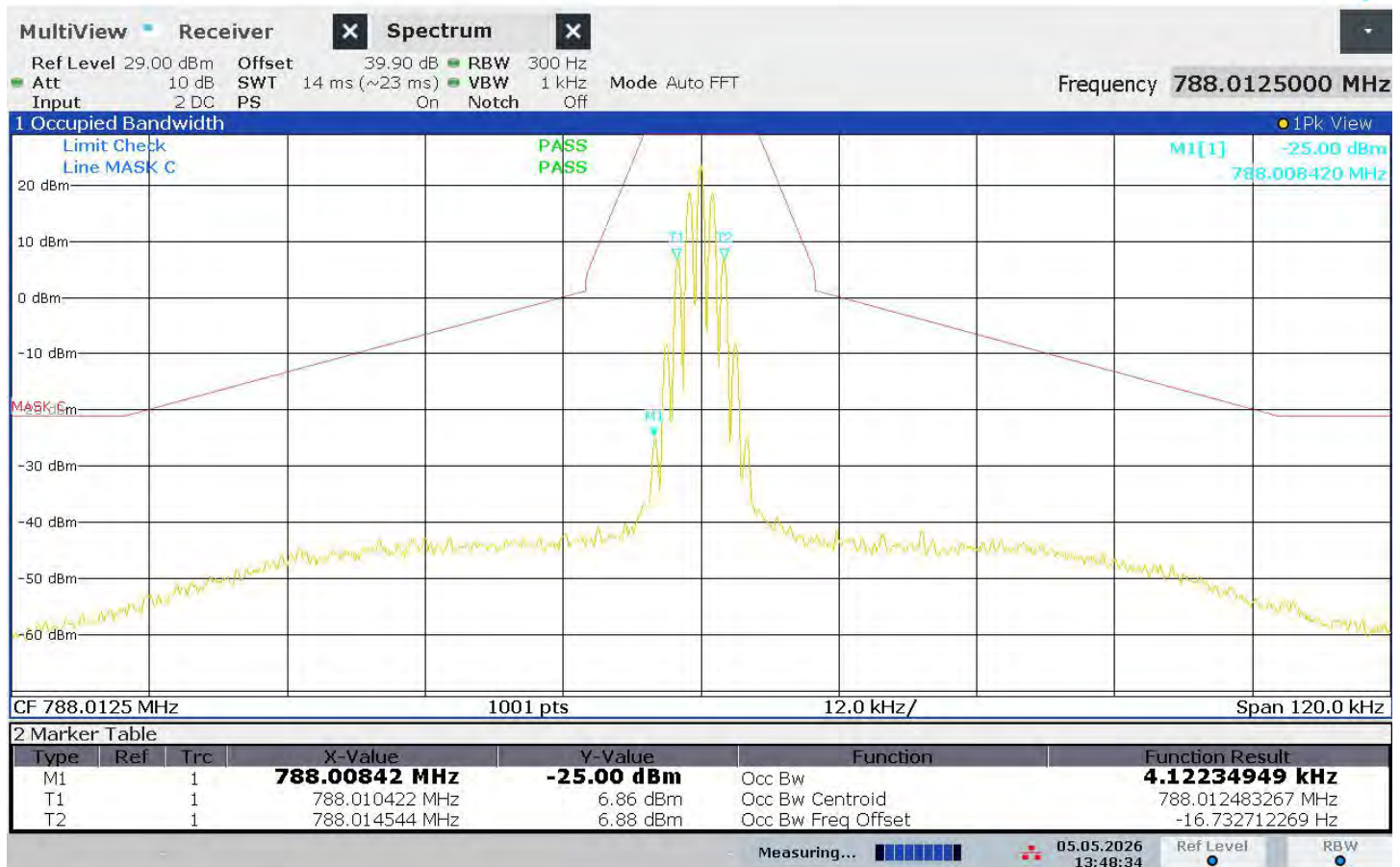
09:56:11 06.05.2026

8.5.54 H-DQPSK, DL Mask C, AGC+3, 774 MHz



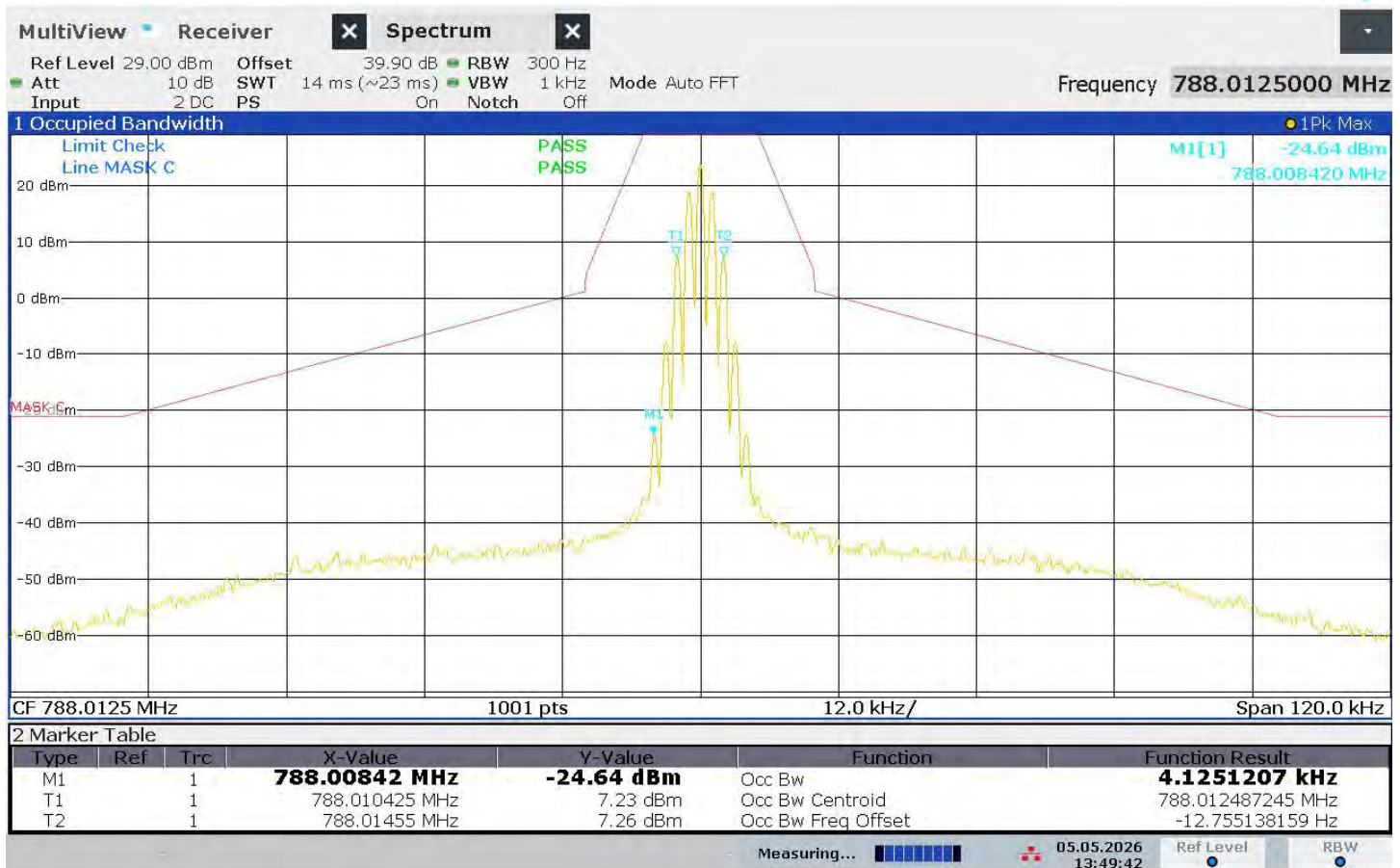
09:57:21 06.05.2026

8.5.55 6.25 kHz, FM, UL Mask C, AGC, 788 MHz



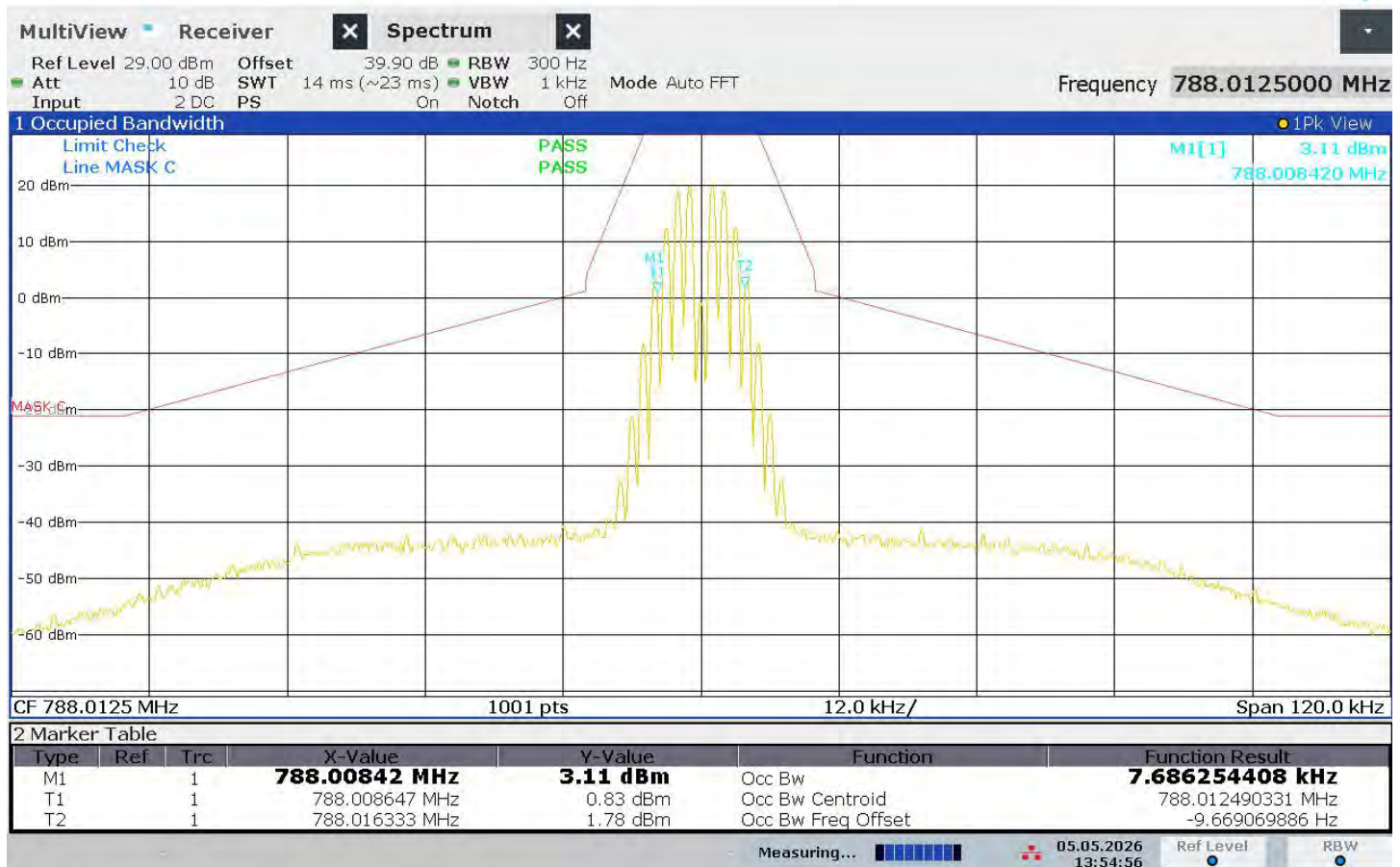
13:48:35 05.05.2026

8.5.56 6.25 kHz, FM, UL Mask C, AGC+3, 788 MHz



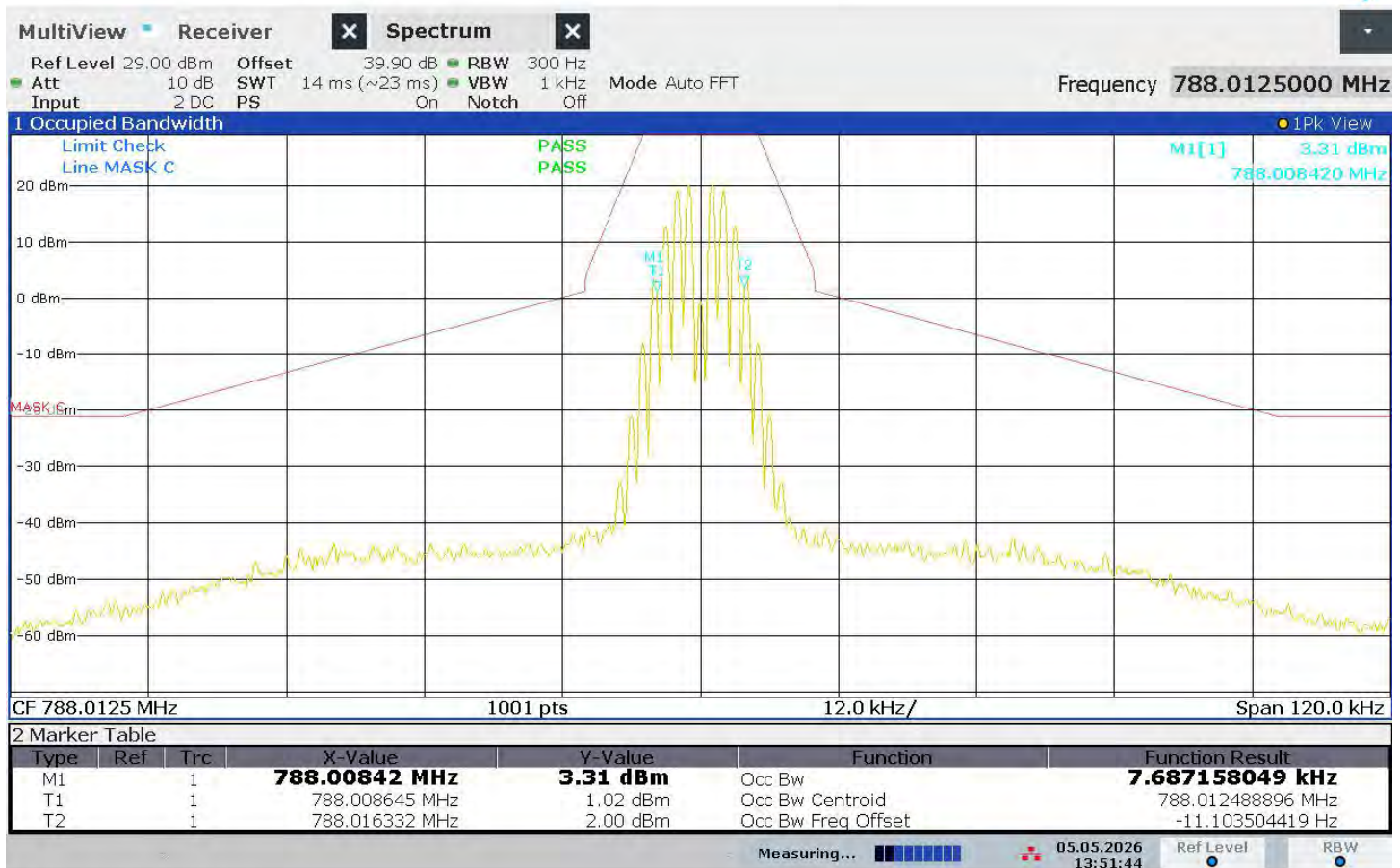
13:49:43 05.05.2026

8.5.57 12.5 kHz, FM, UL Mask C, AGC, 788 MHz



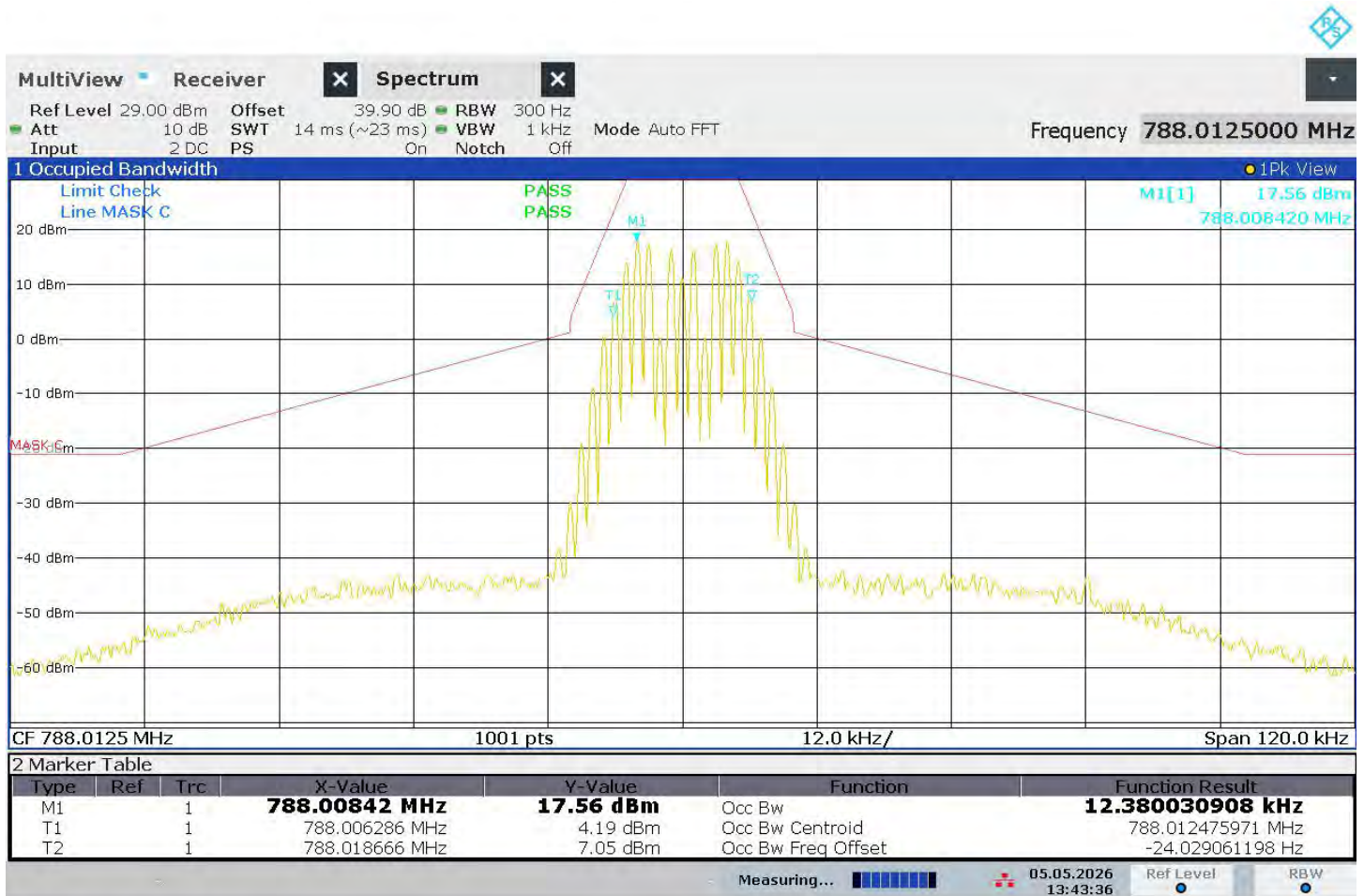
13:54:56 05.05.2026

8.5.58 12.5 kHz, FM, UL Mask C, AGC+3, 788 MHz



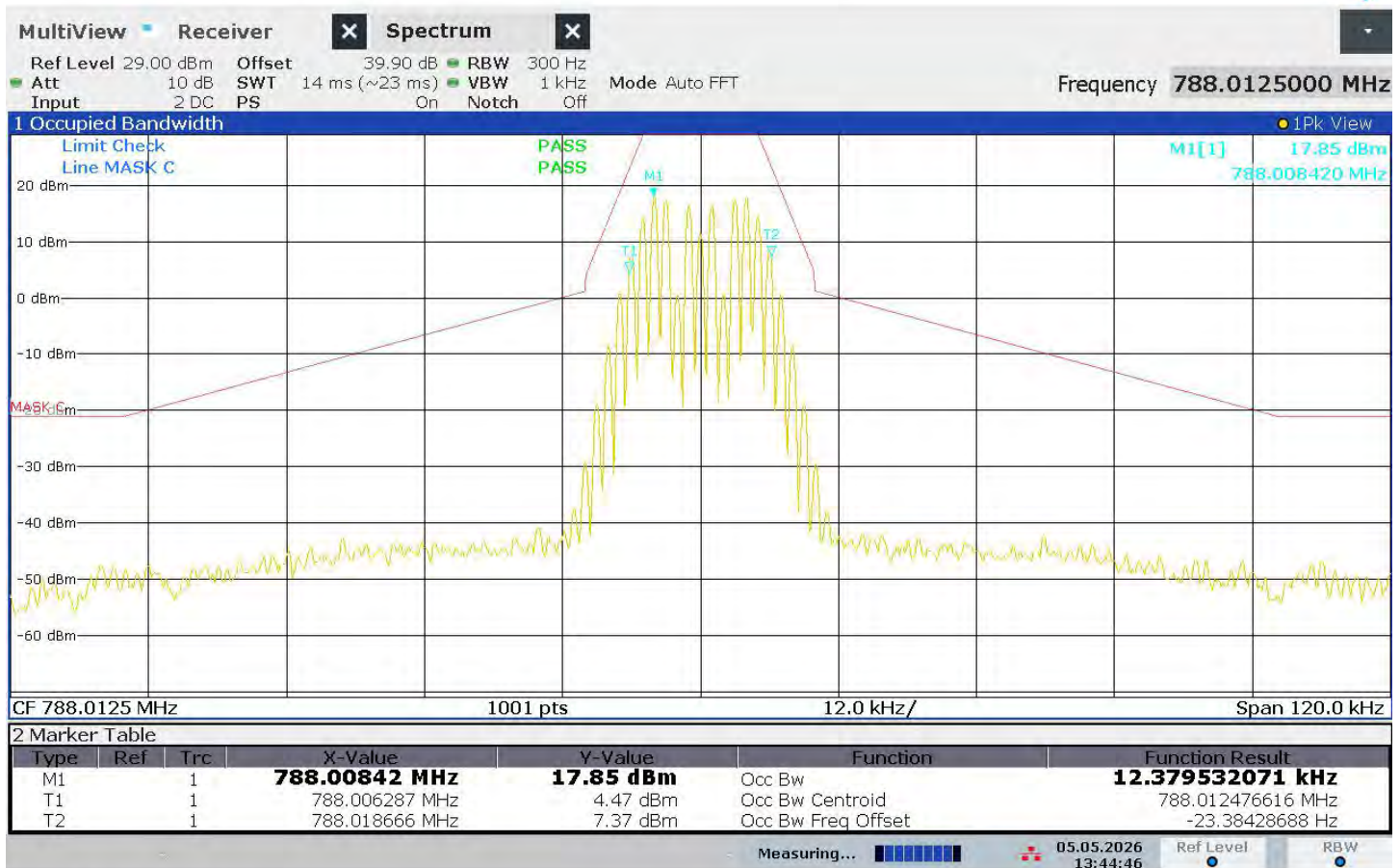
13:51:44 05.05.2026

8.5.59 25 kHz FM, UL Mask C, AGC, 788 MHz



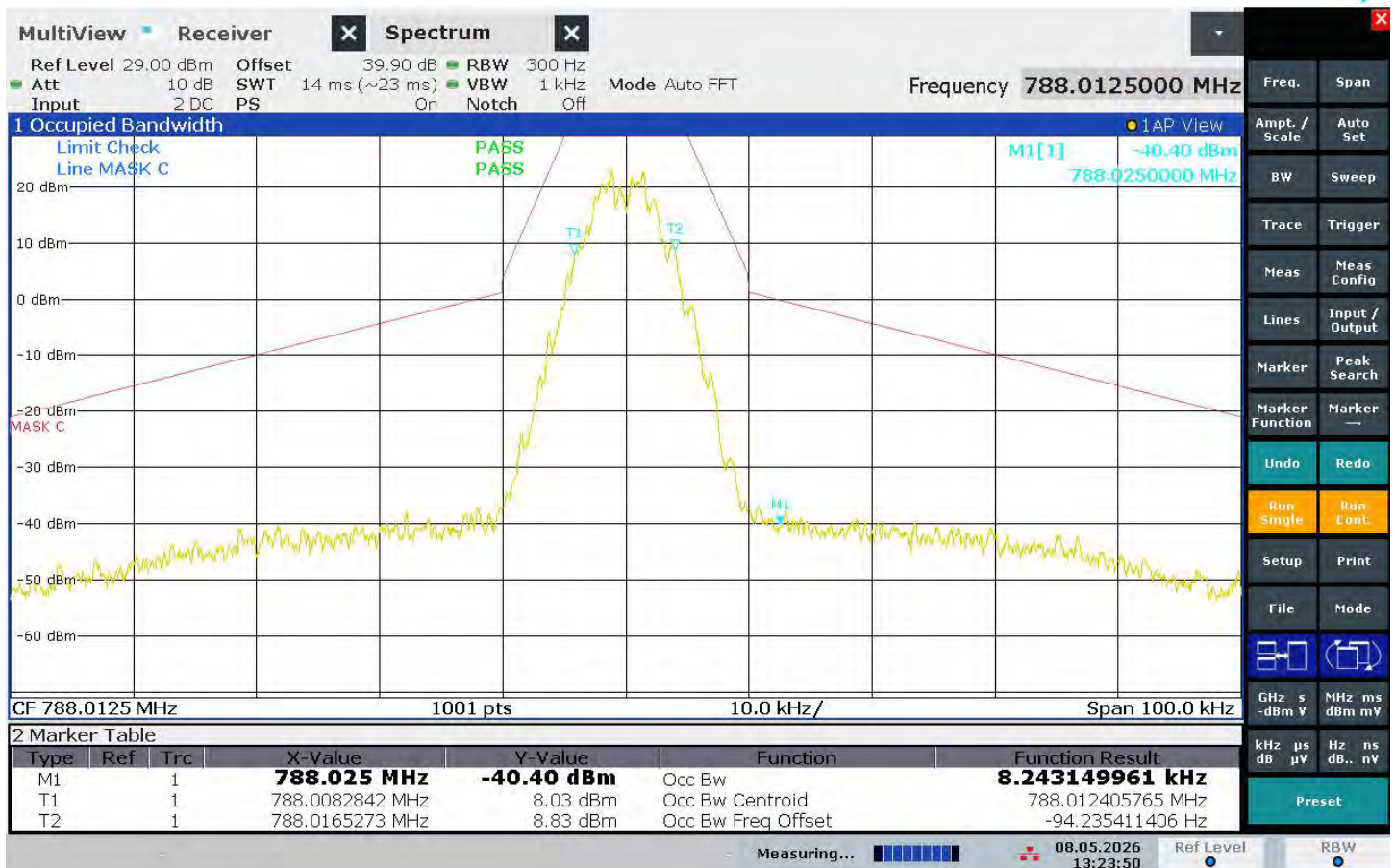
13:43:37 05.05.2026

8.5.60 25 kHz FM, UL Mask C, AGC+3, 788 MHz



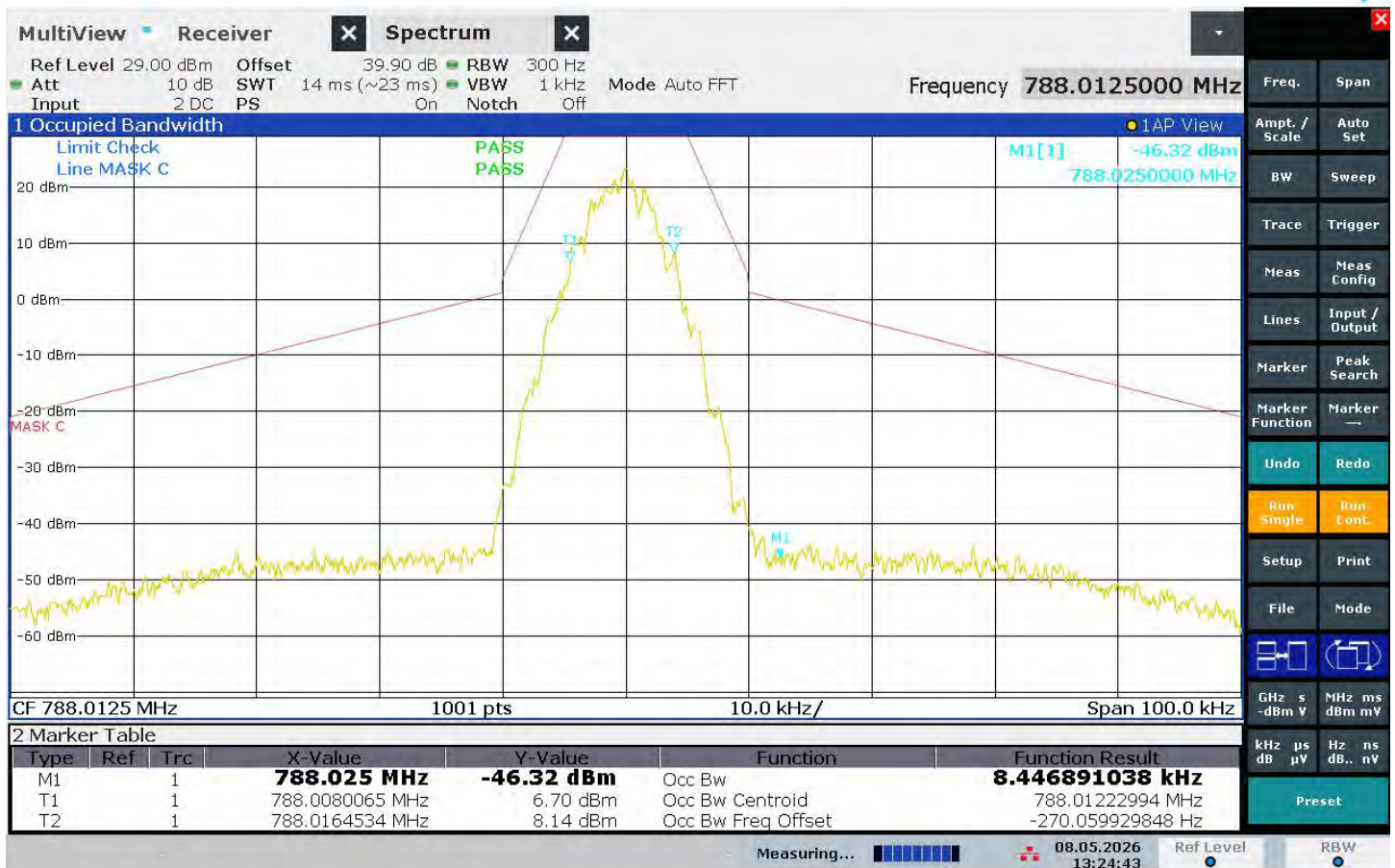
13:44:47 05.05.2026

8.5.61 C4FM, UL Mask C, AGC, 788 MHz



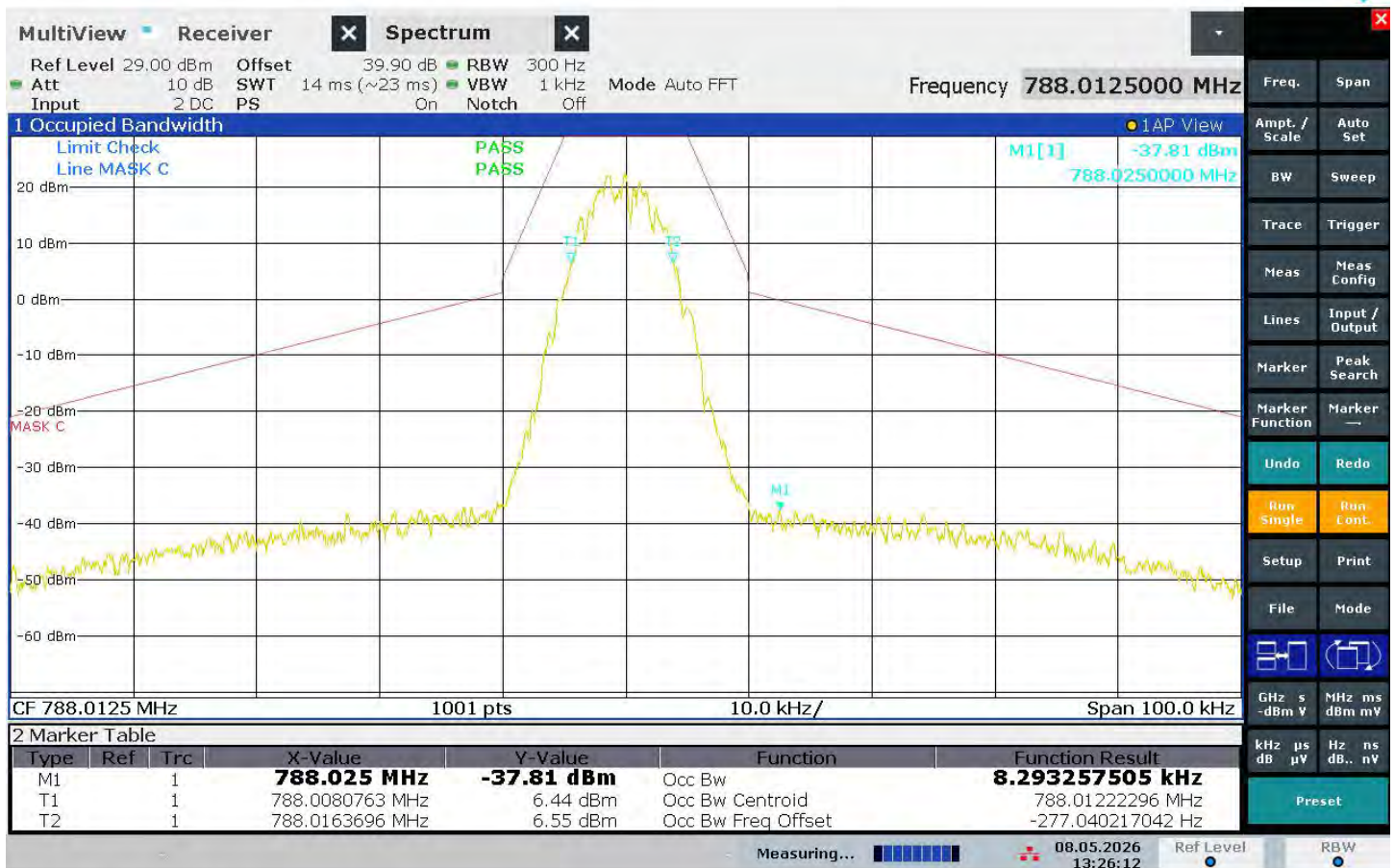
13:23:50 08.05.2026

8.5.62 C4FM, UL Mask C, AGC+3, 788 MHz



13:24:43 08.05.2026

8.5.63 H-CPM, UL Mask C, AGC, 788 MHz



13:26:13 08.05.2026

8.5.64 H-CPM, UL Mask C, AGC+3, 788 MHz



14:26:25 05.05.2026

8.5.65 H-DQPSK, UL Mask C, AGC, 788 MHz



14:31:56 05.05.2026