

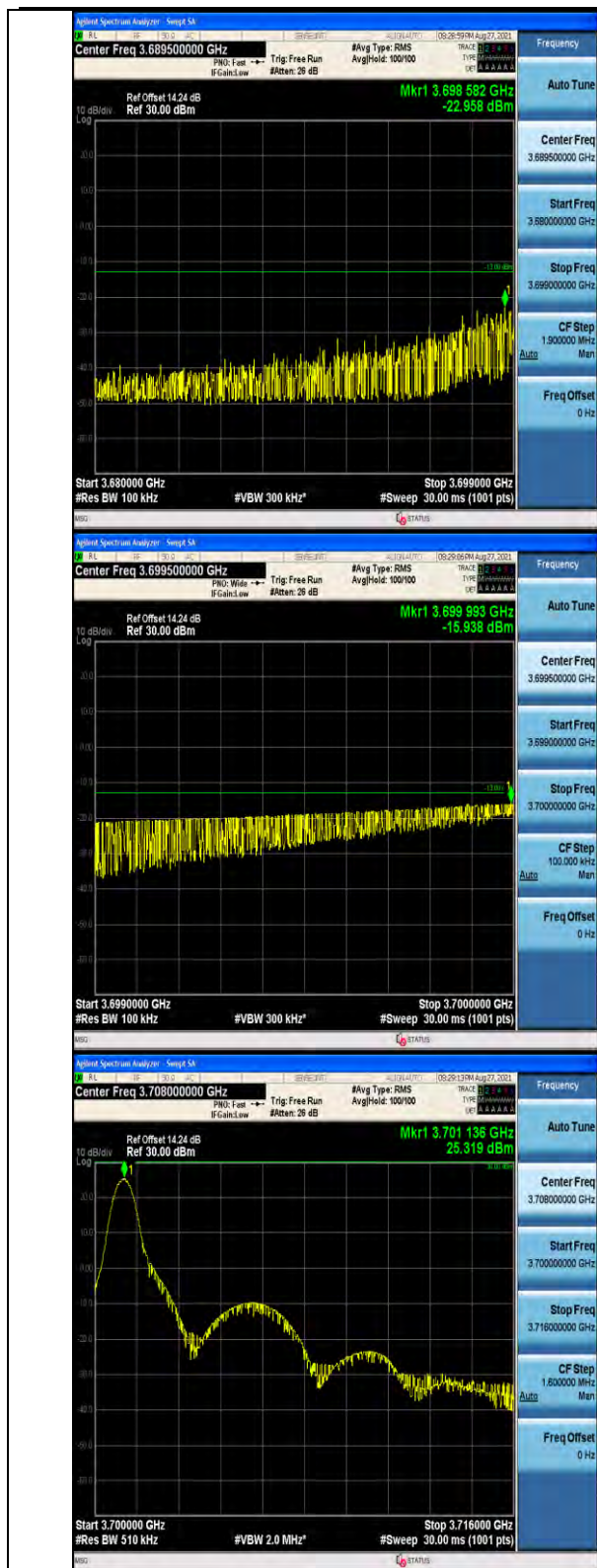


Fig.61



Fig.62

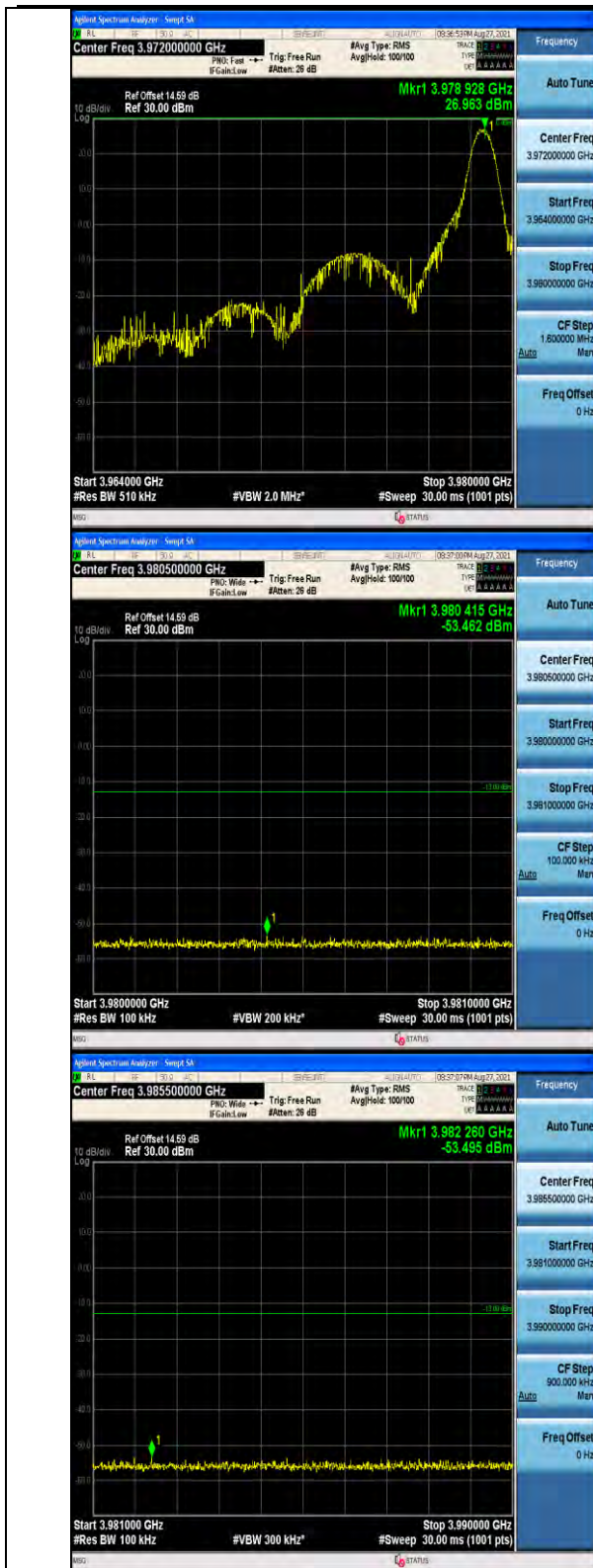


Fig.63

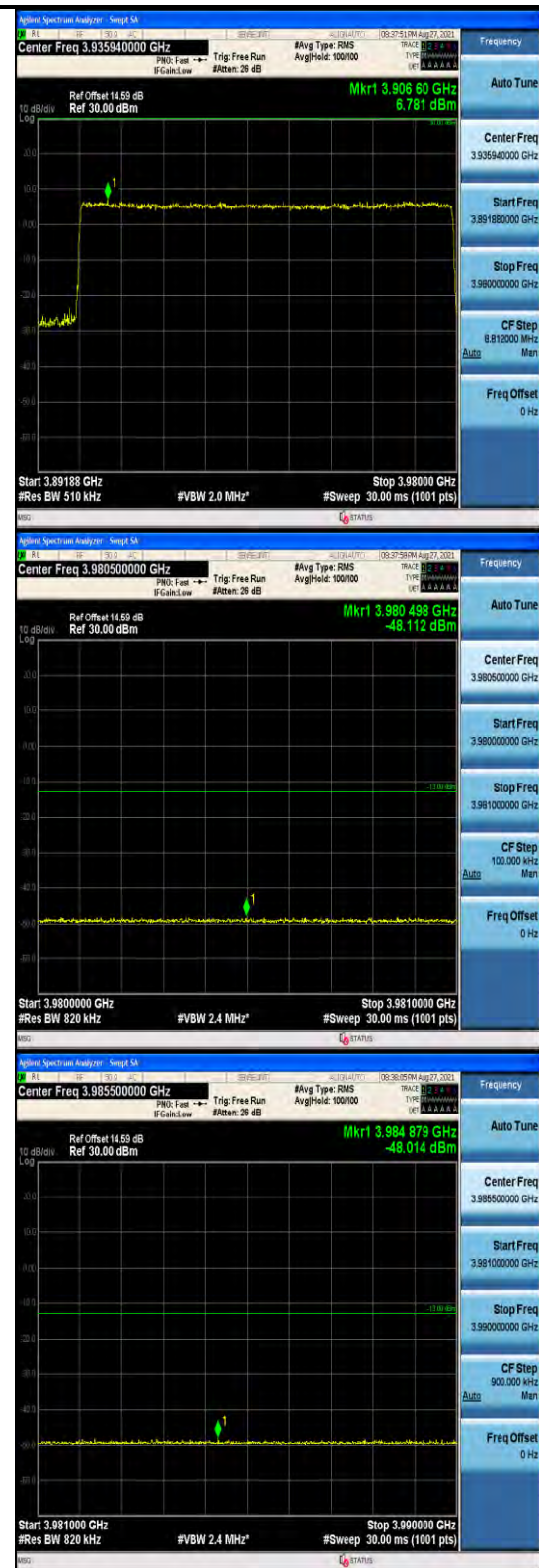


Fig.64

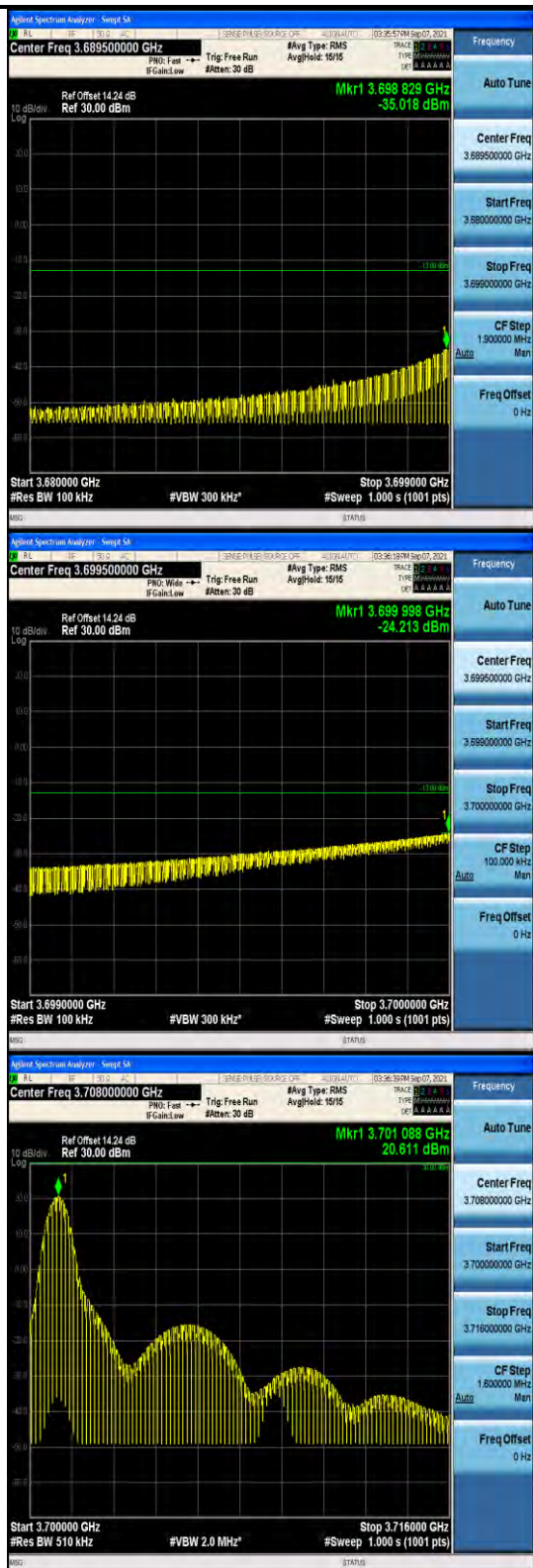


Fig.65

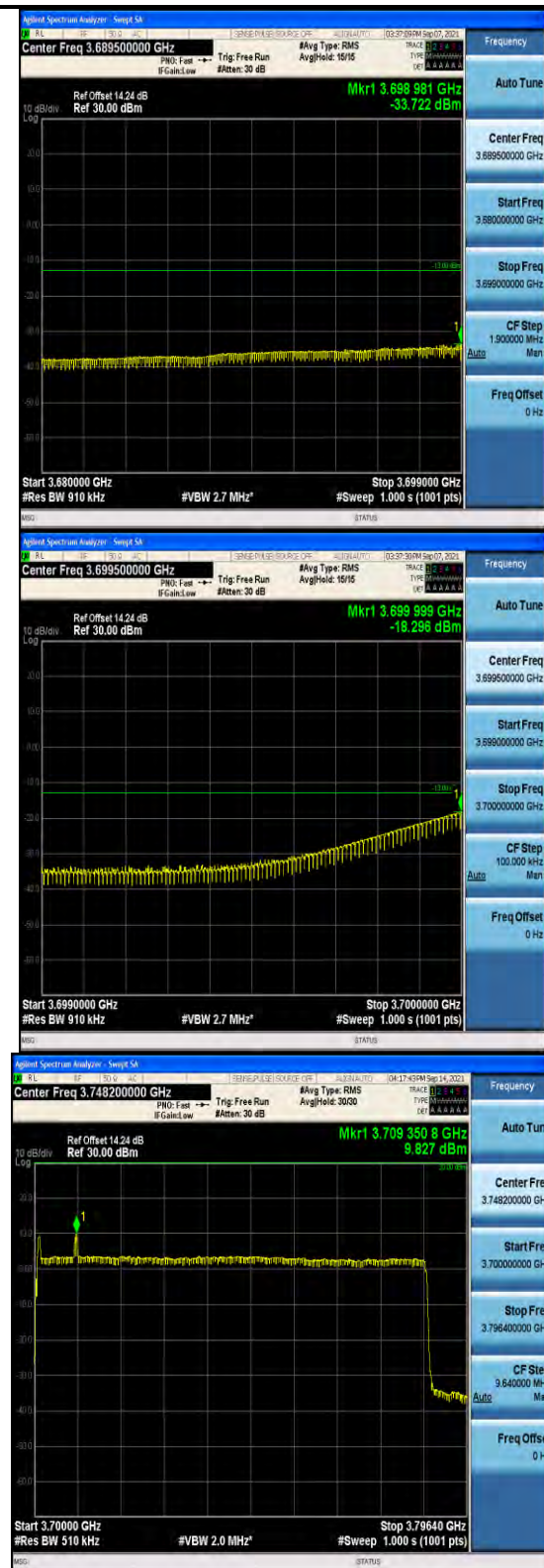


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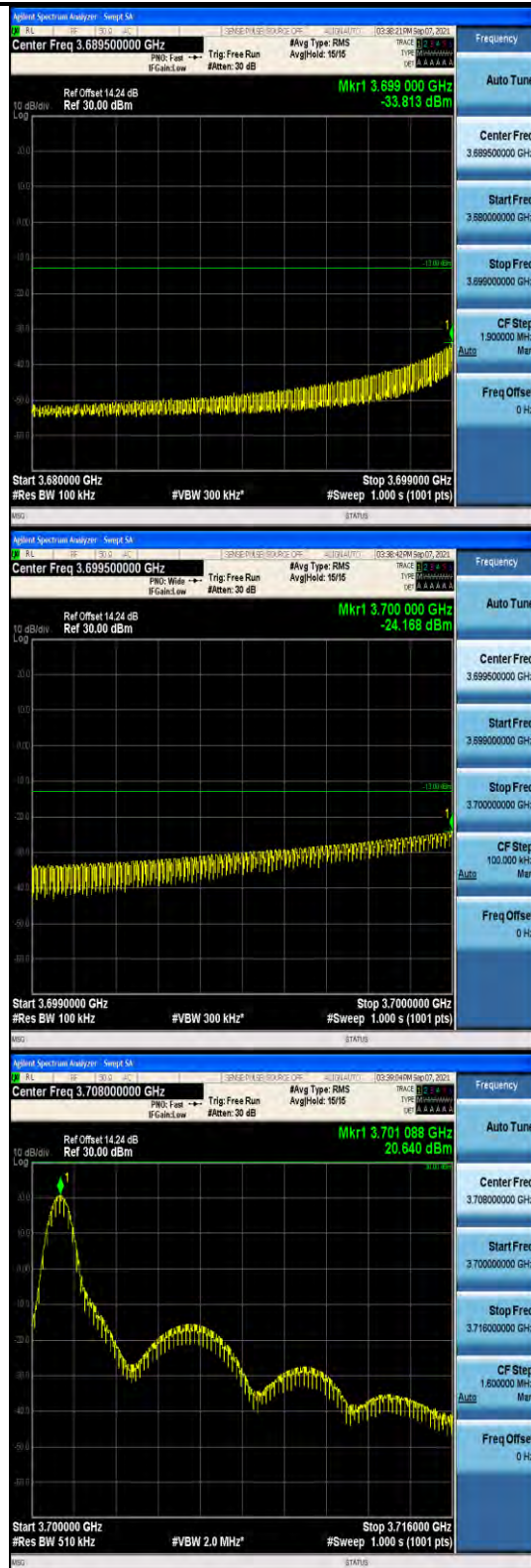


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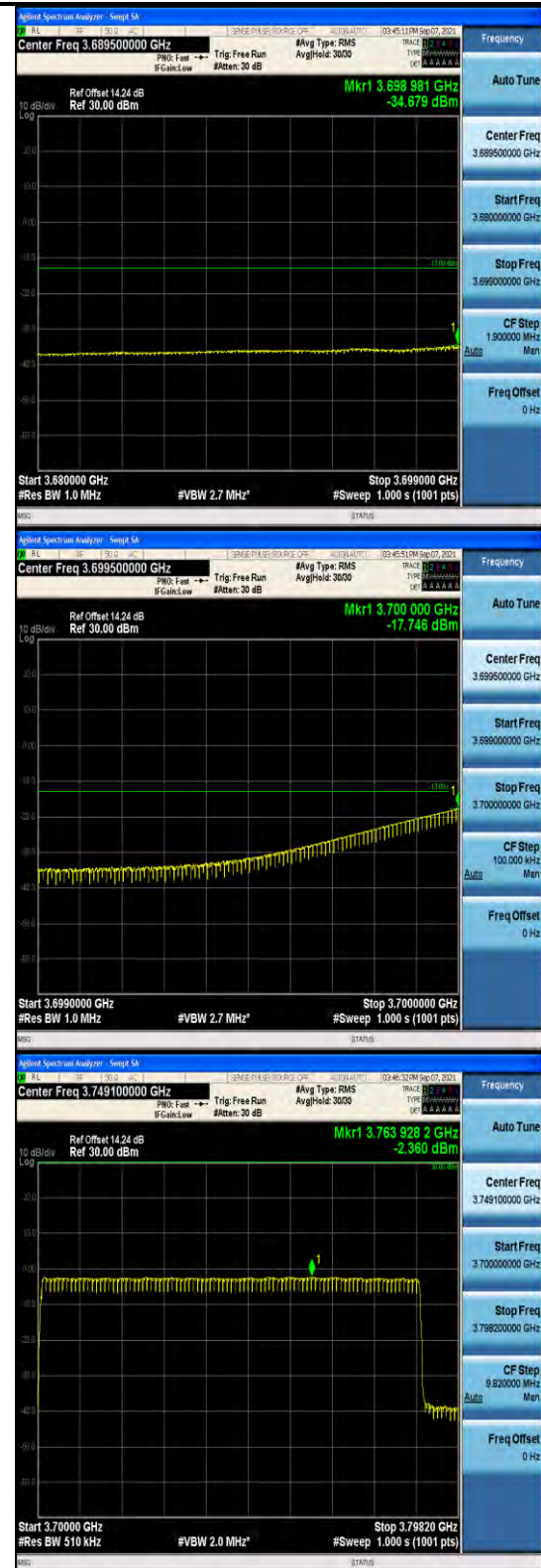


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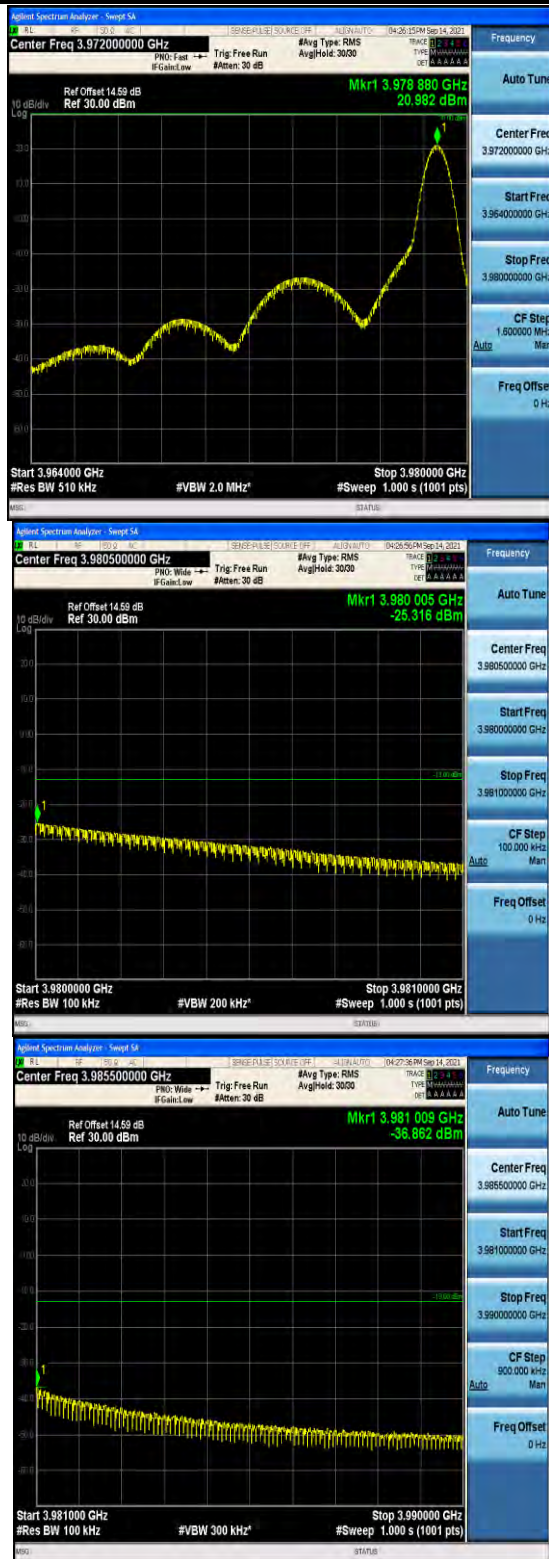


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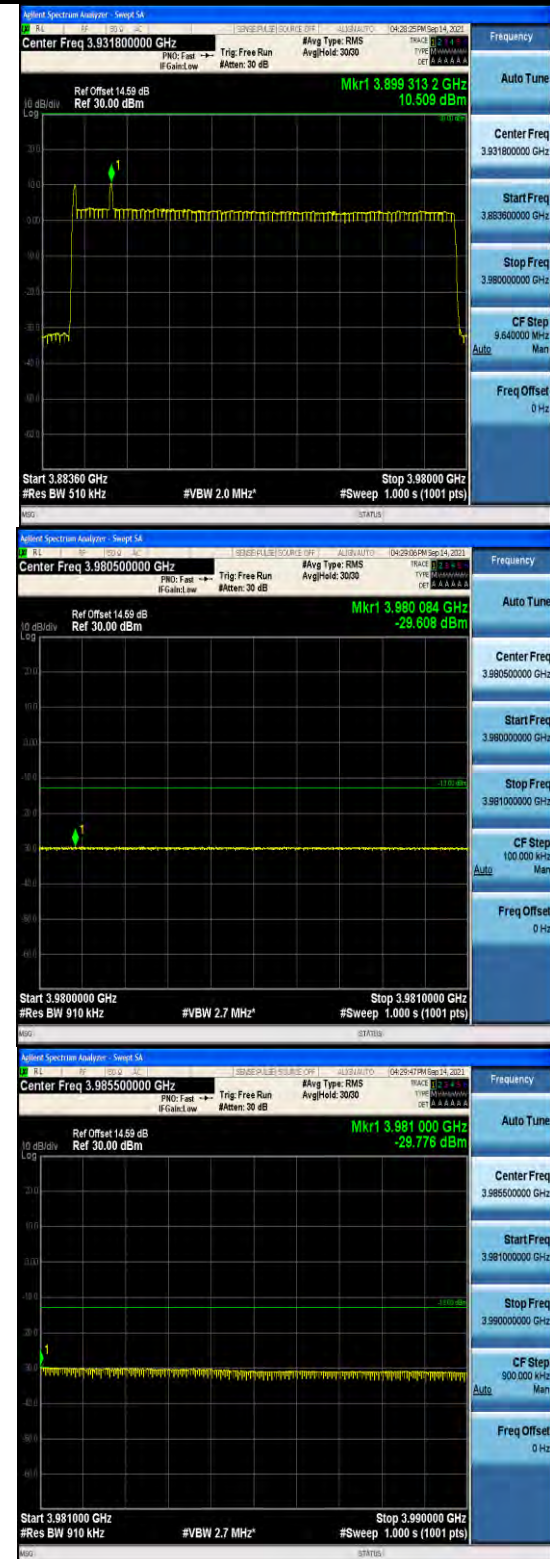


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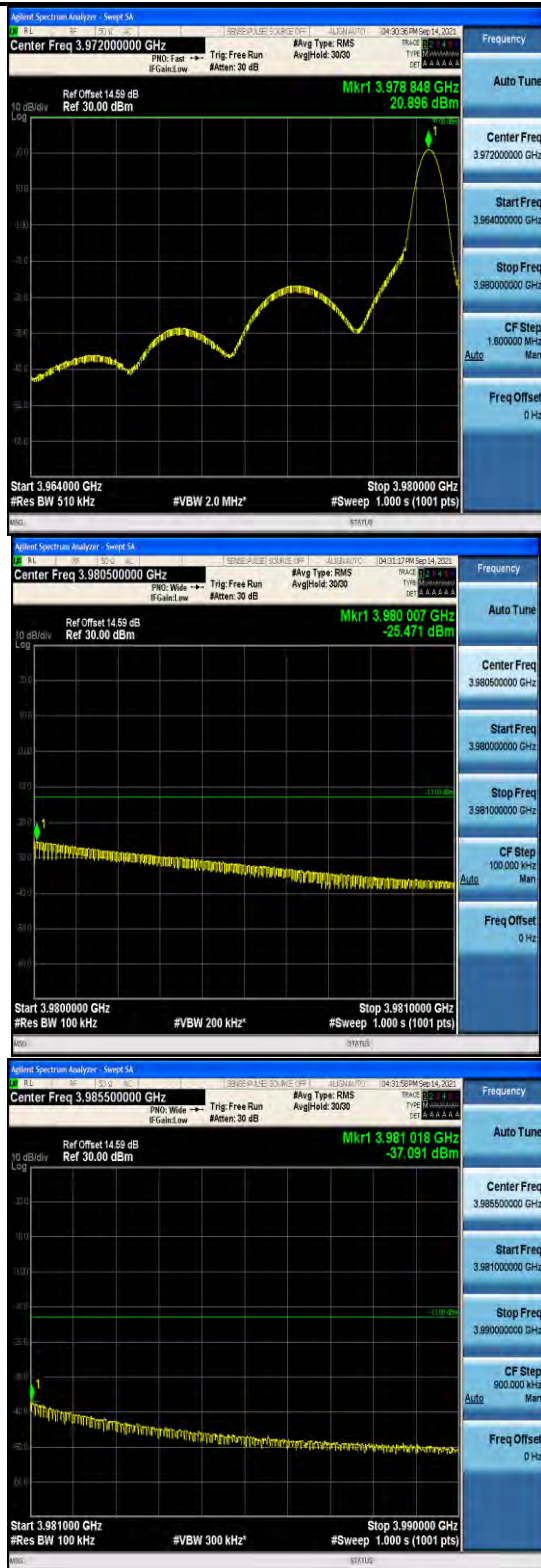


Fig.71



Fig.72

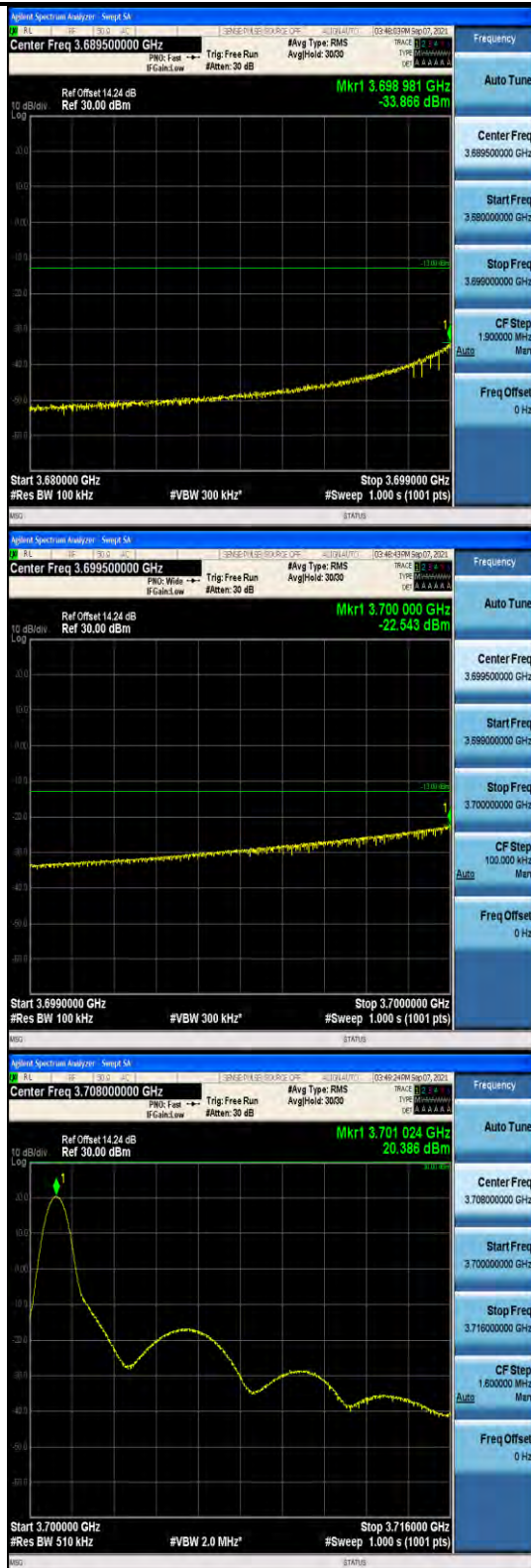


Fig.73



Fig.74

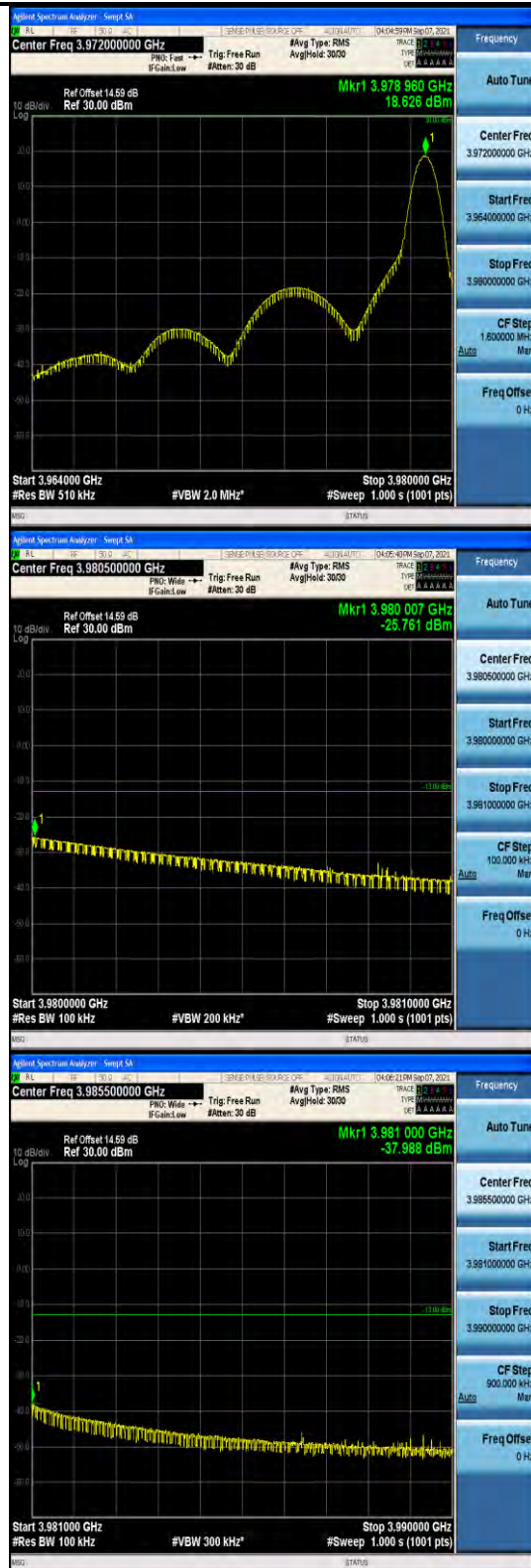


Fig.75



Fig.76

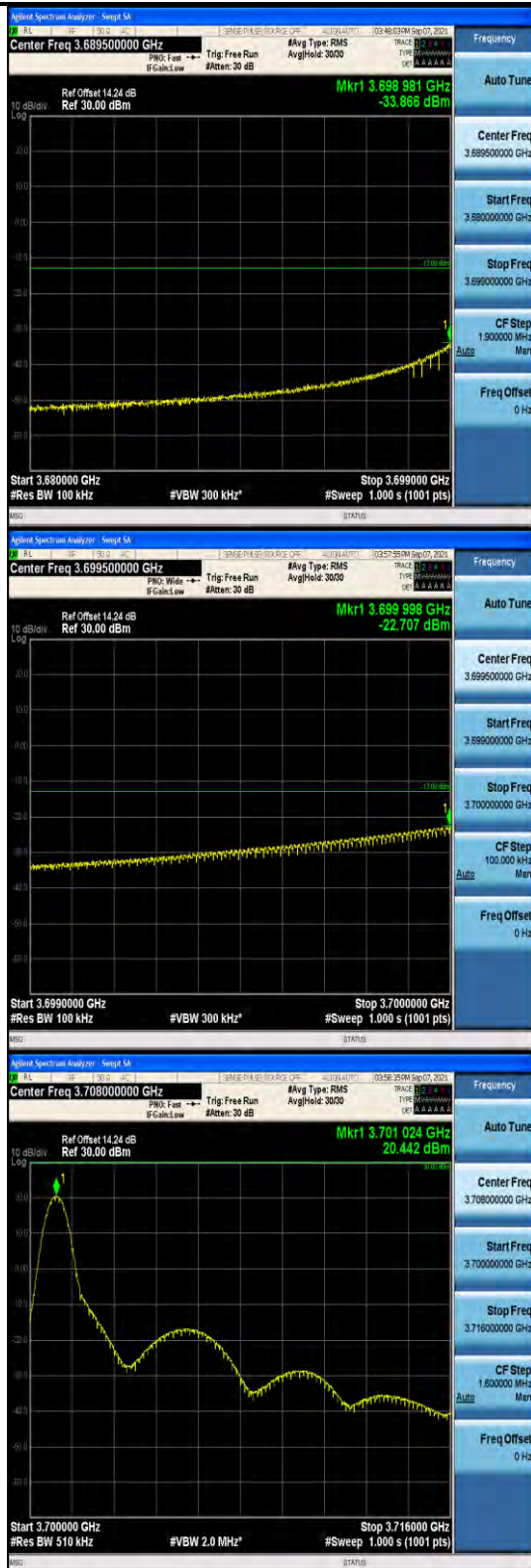


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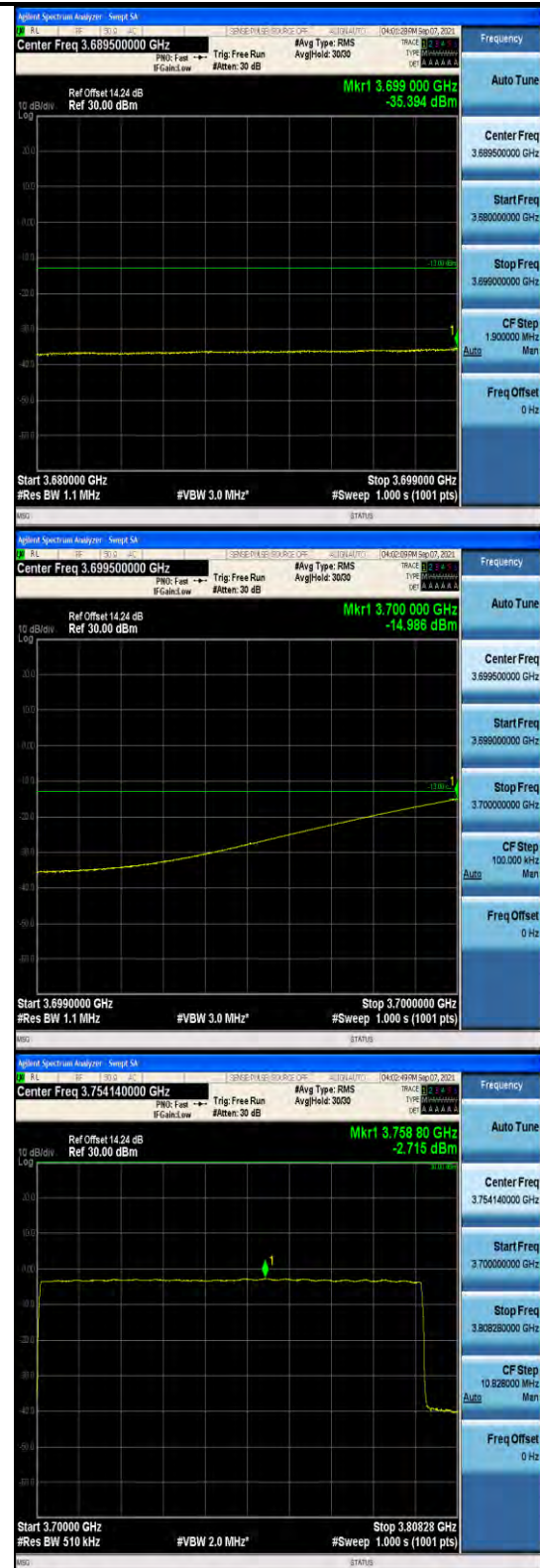


Fig.78

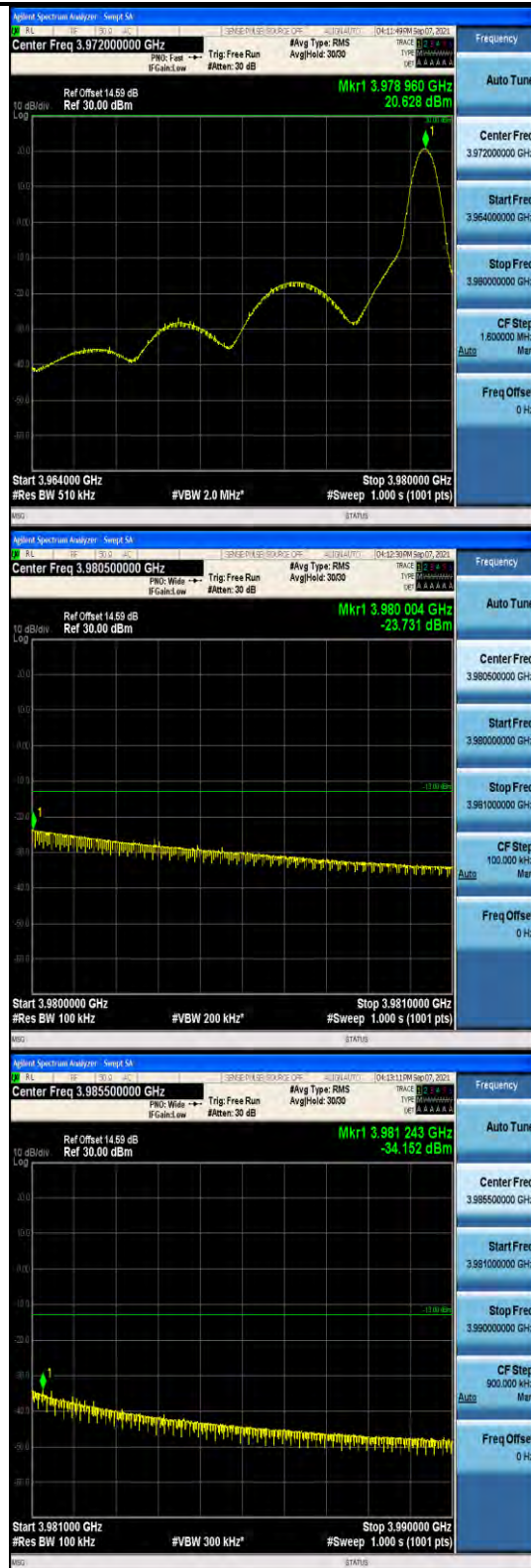


Fig.79



Fig.80

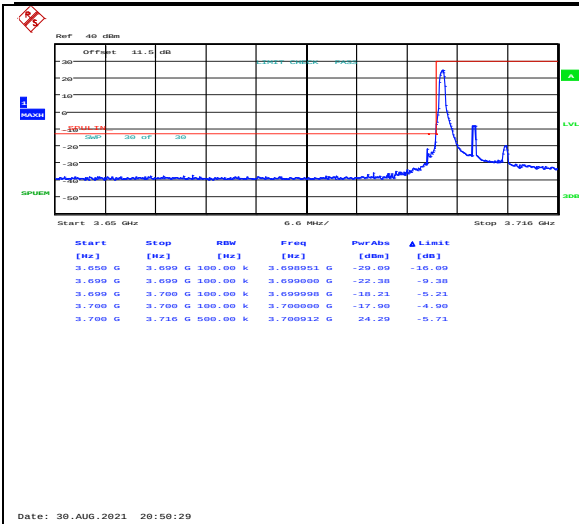


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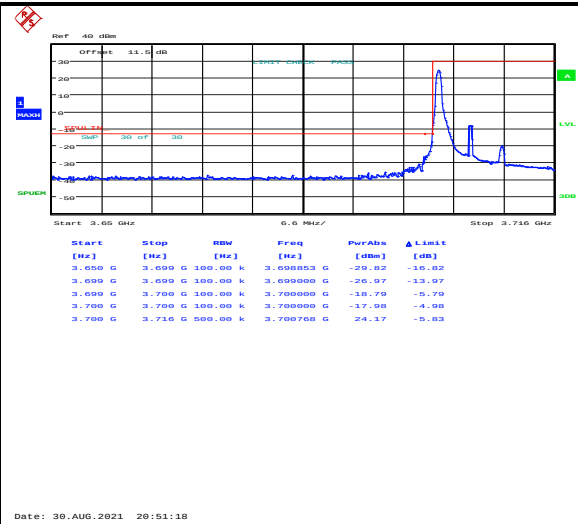


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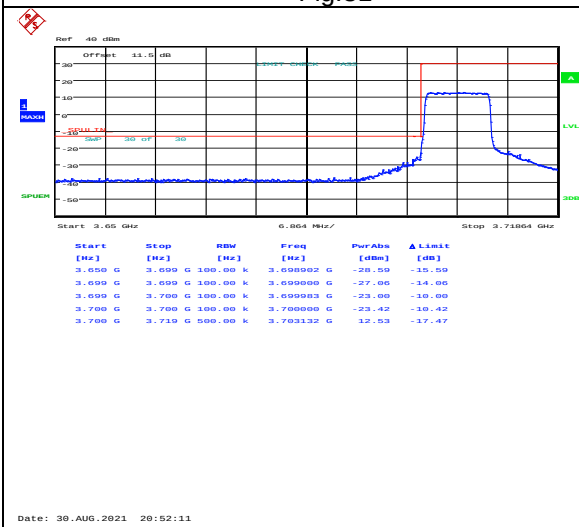


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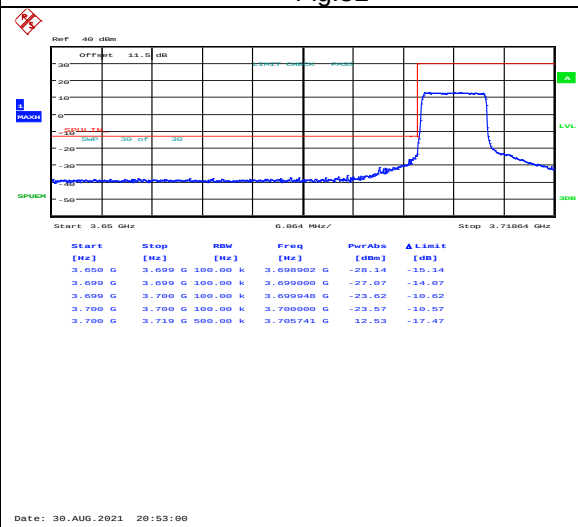


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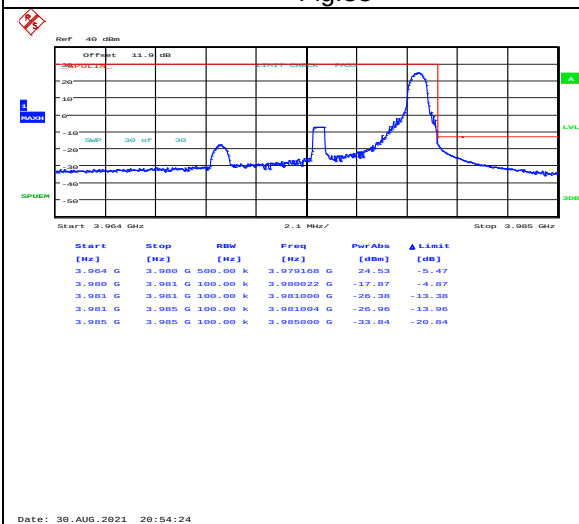


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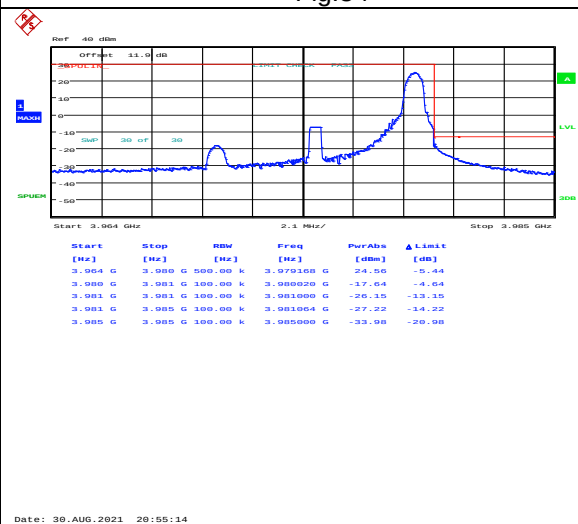


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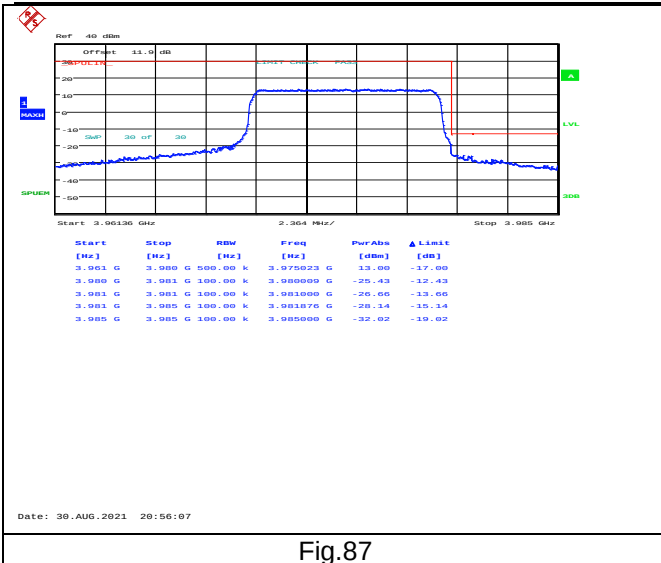


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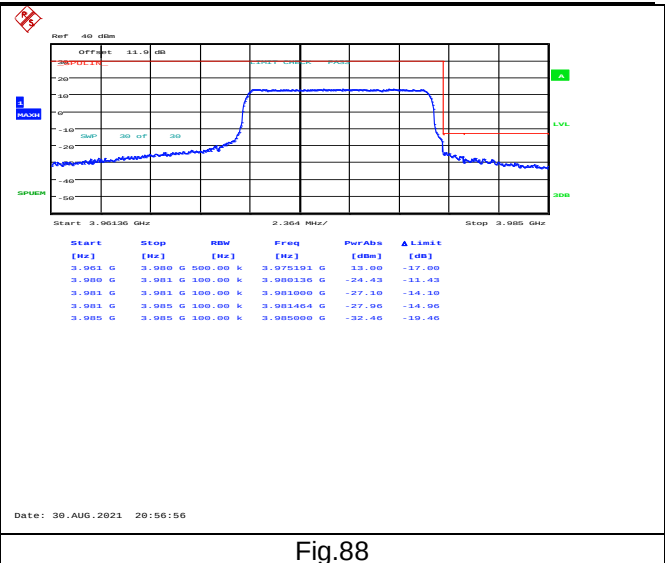


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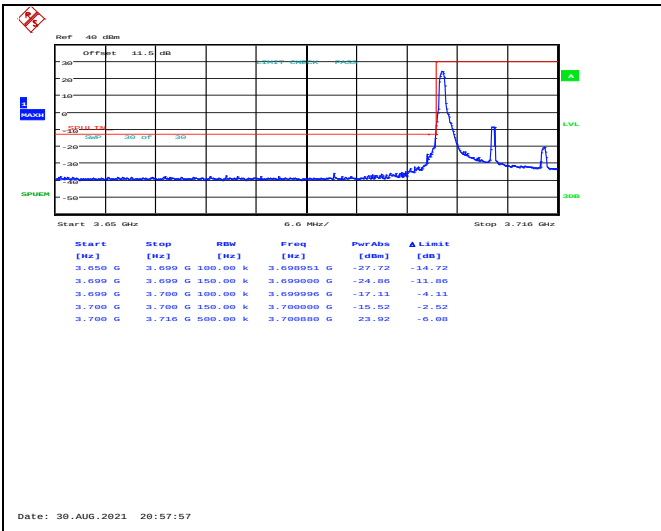


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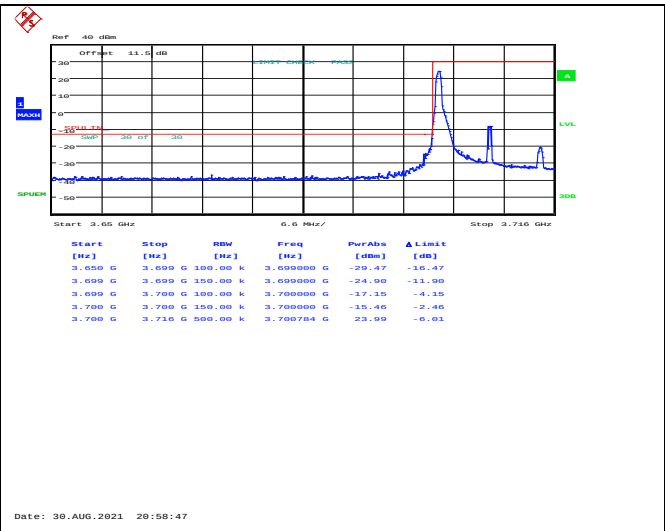


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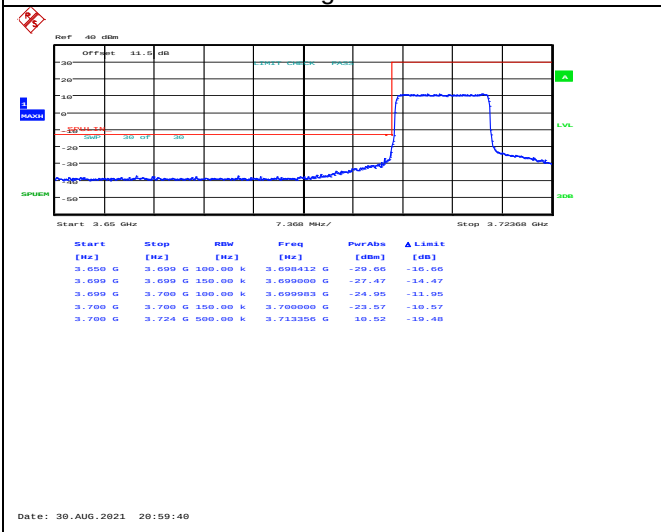


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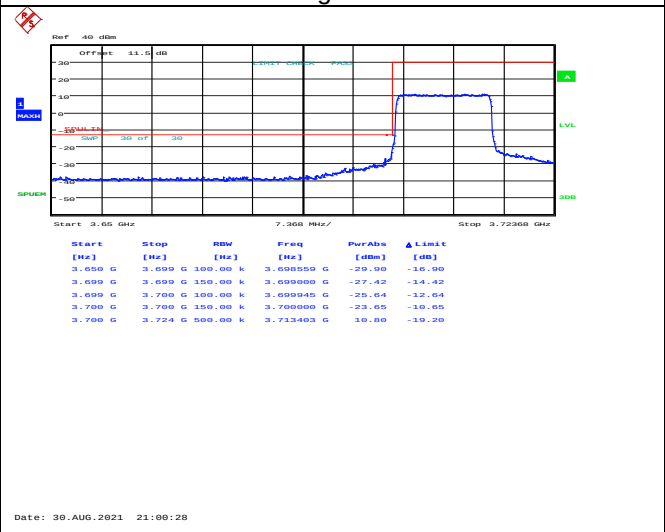


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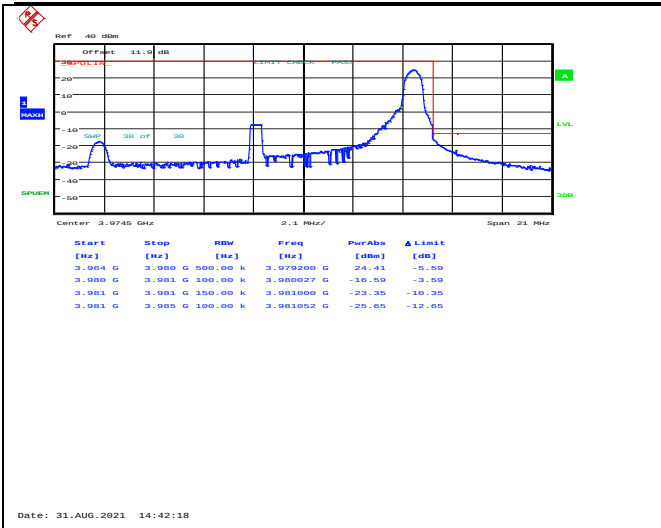


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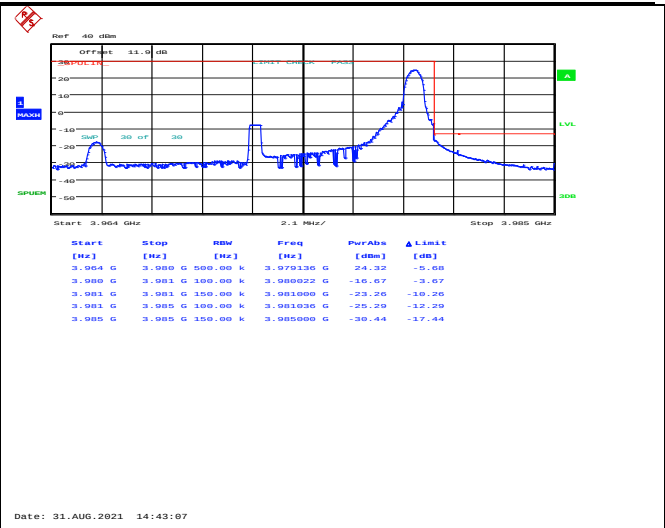


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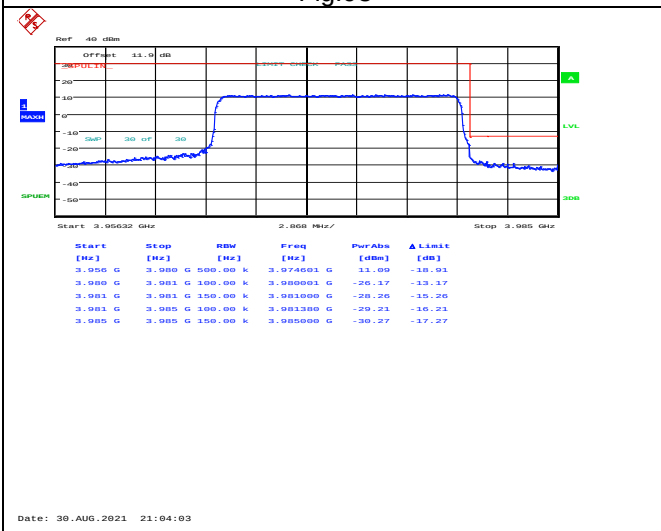


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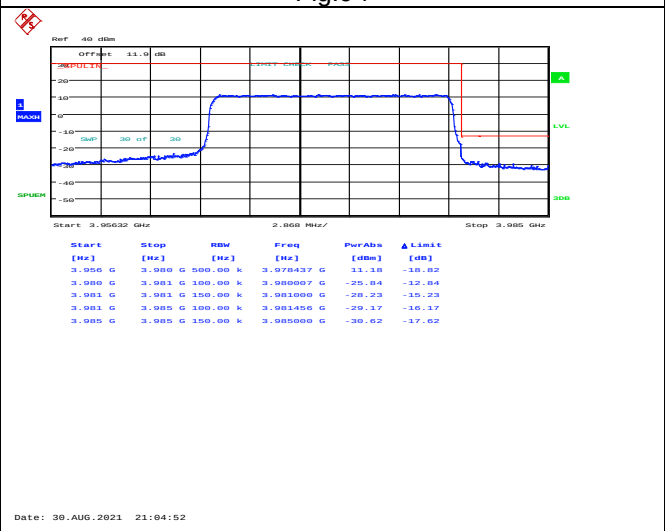


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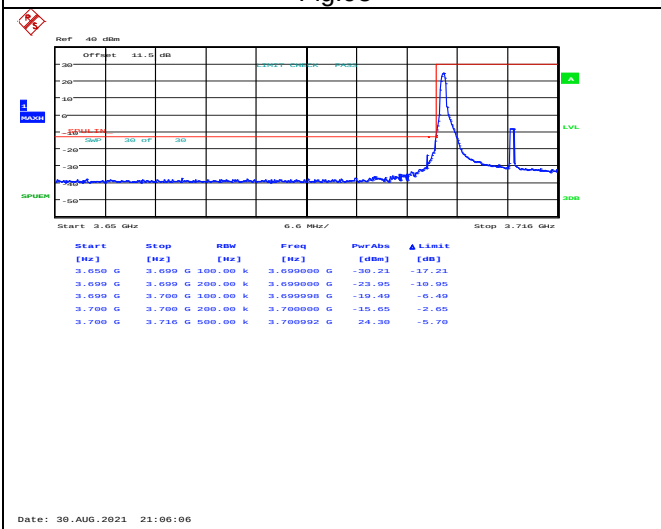


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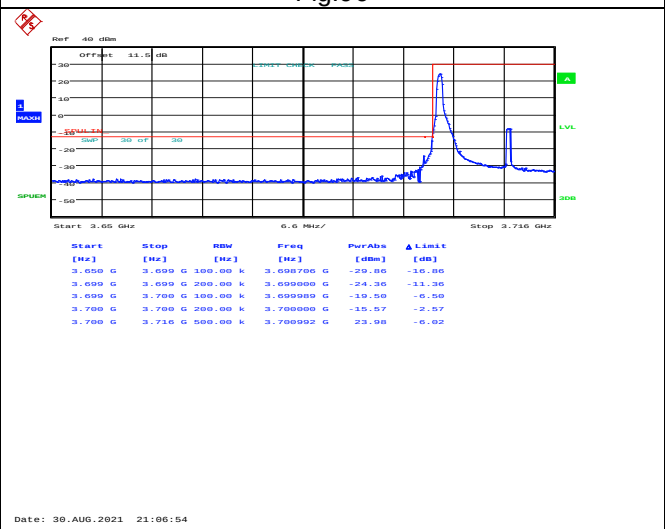


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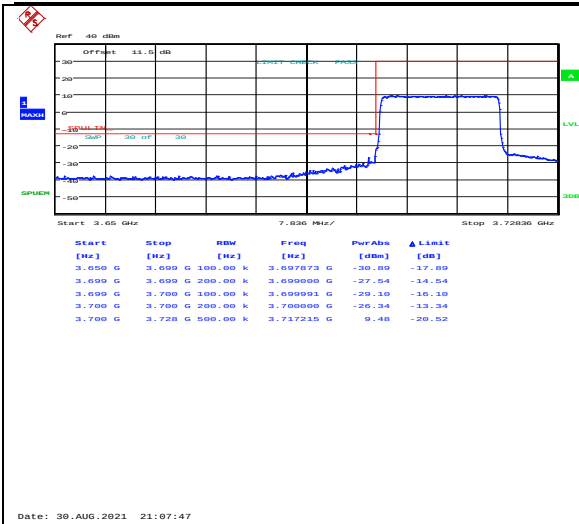


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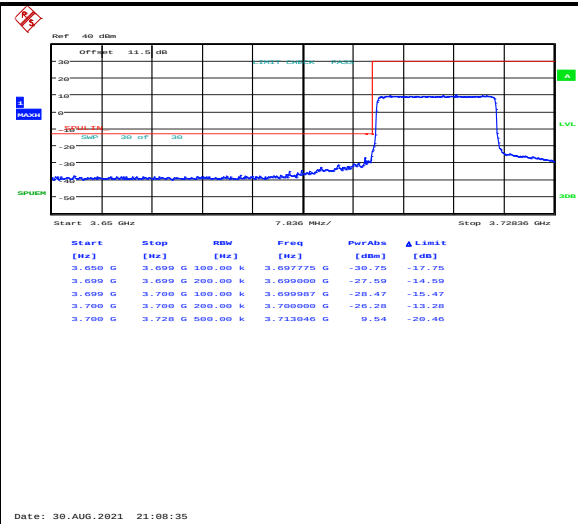


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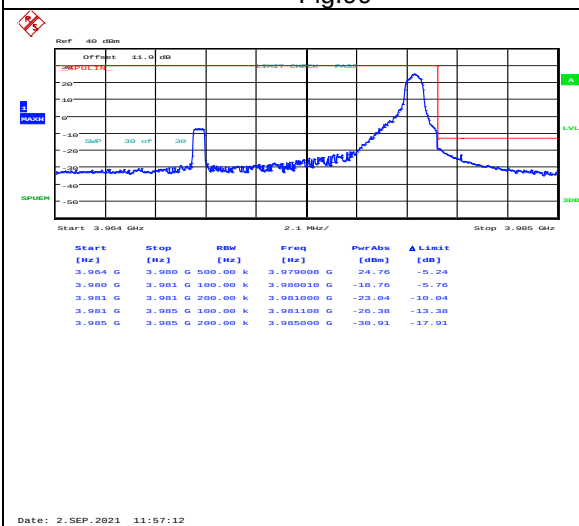


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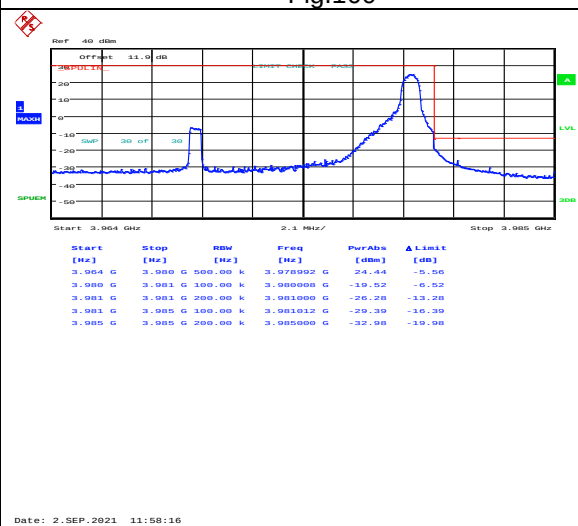


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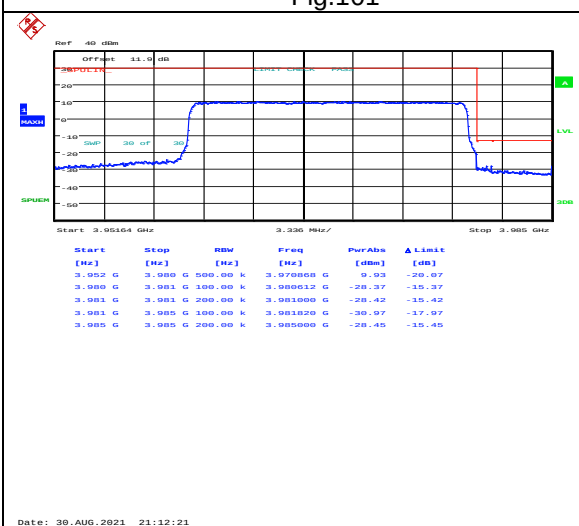


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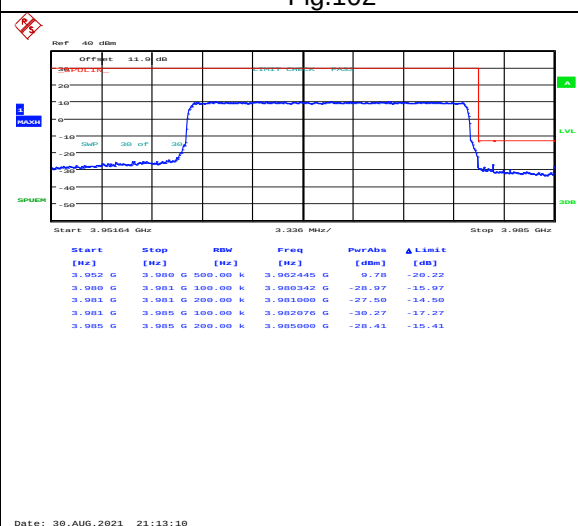


Fig.104

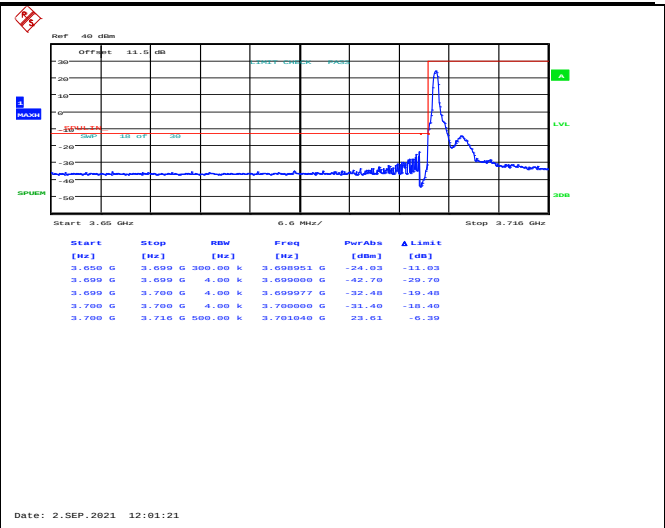
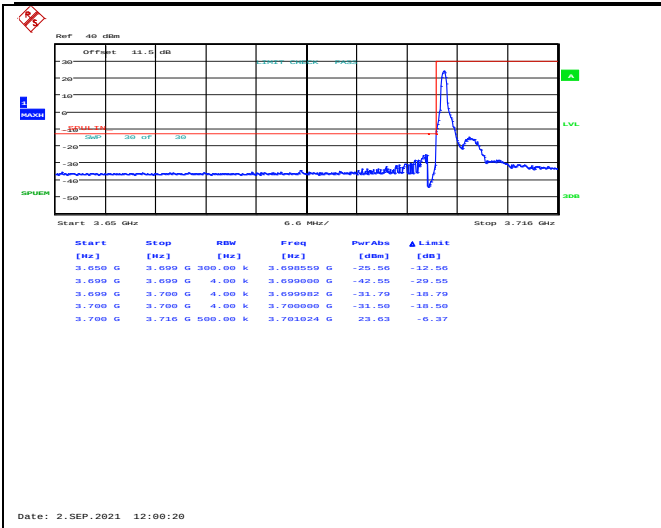


Fig.105

Fig.106

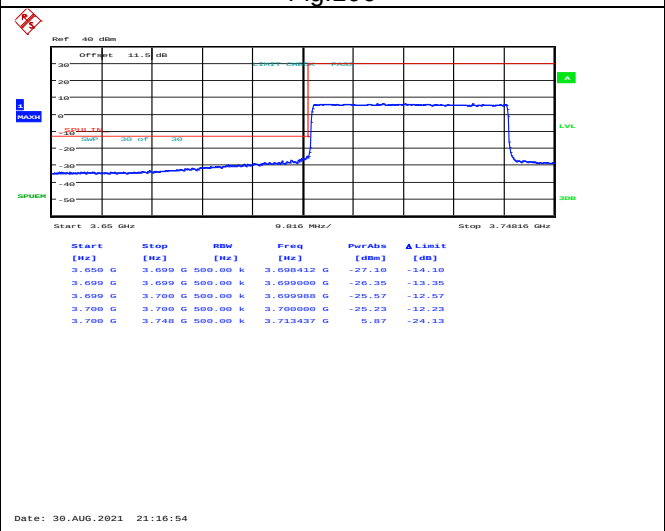
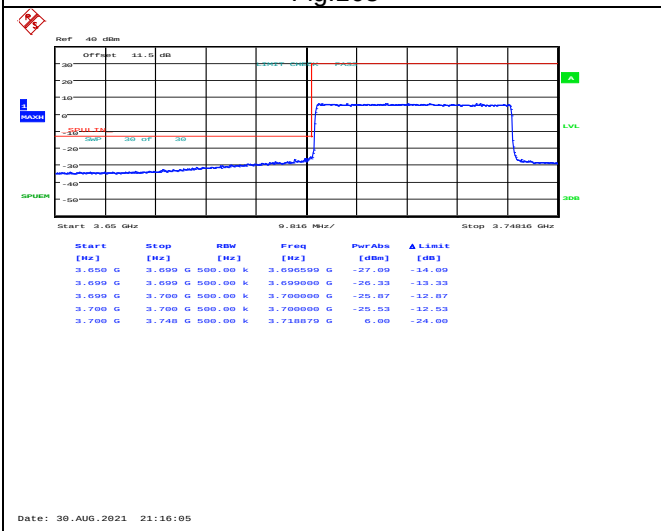


Fig.107

Fig.108

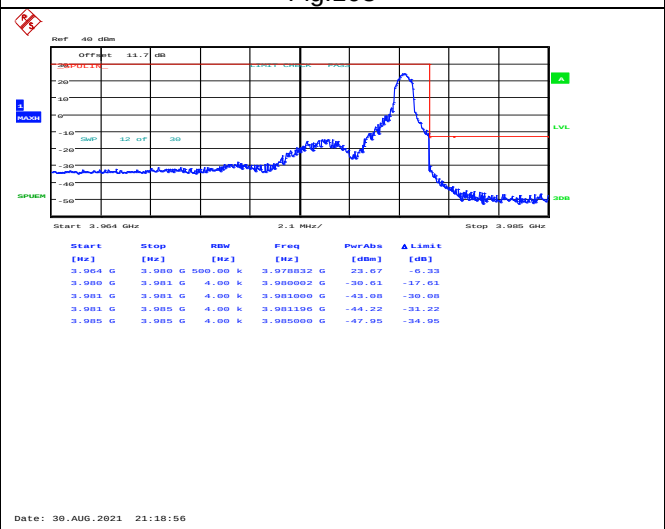
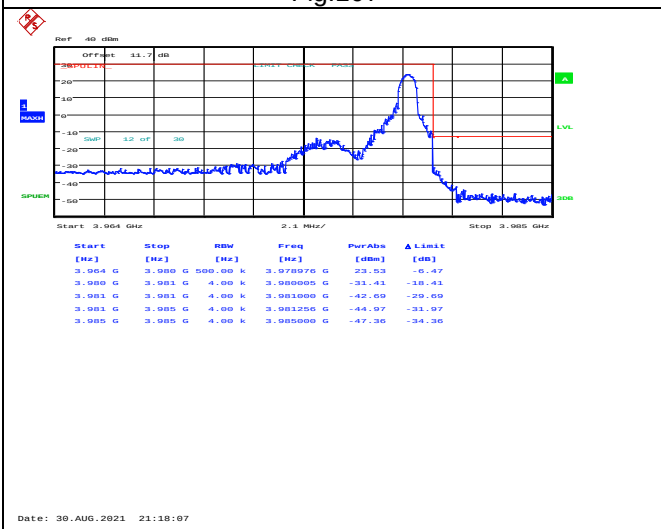


Fig.109

Fig.110

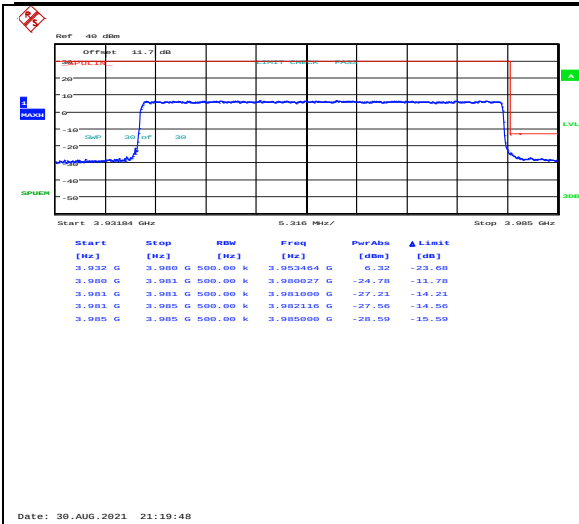


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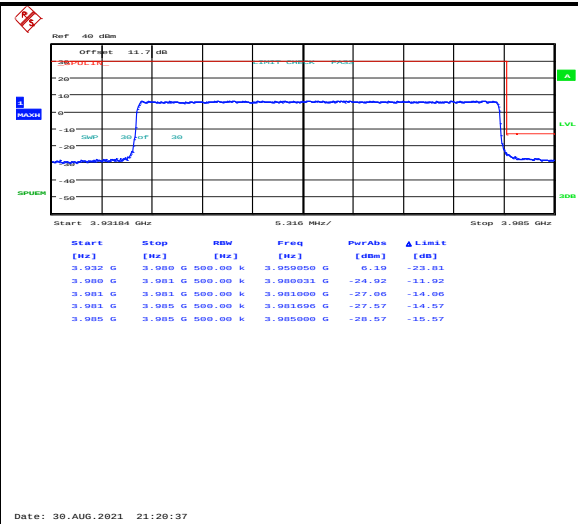


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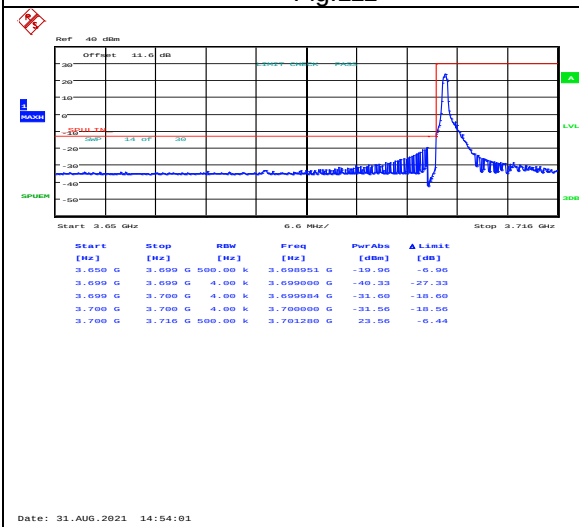


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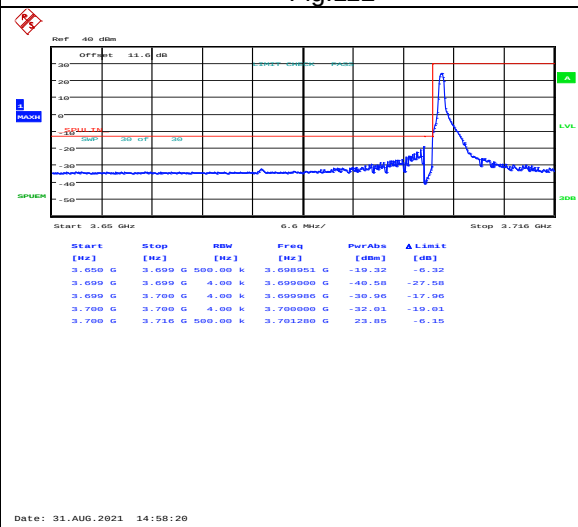


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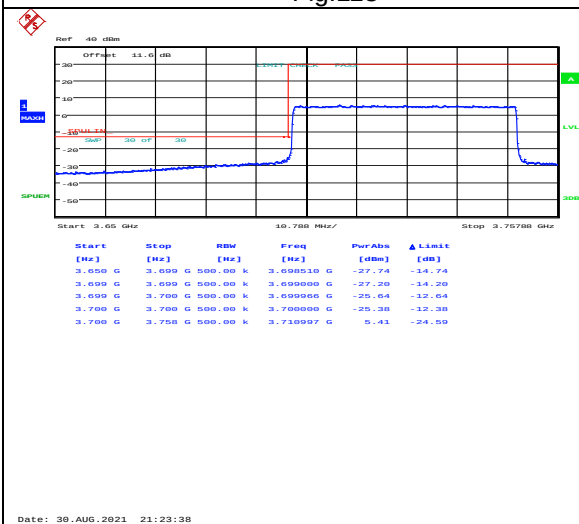


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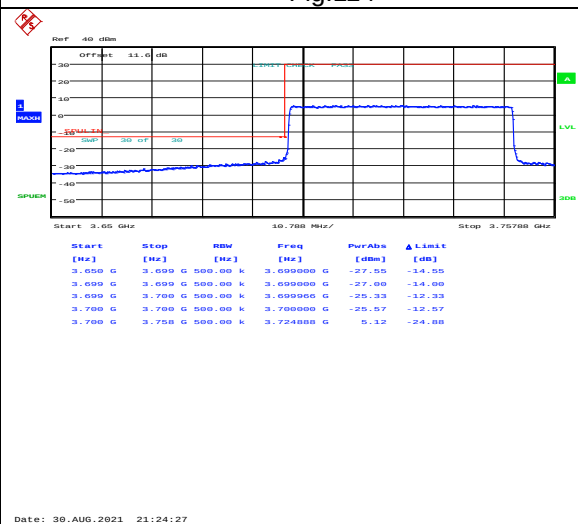


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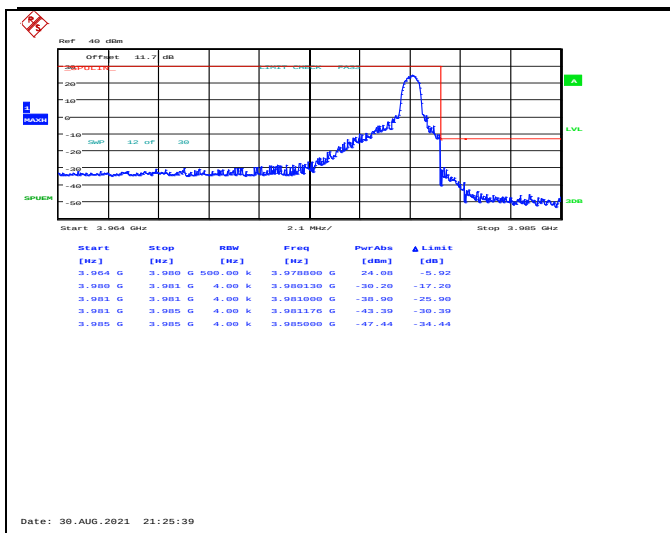


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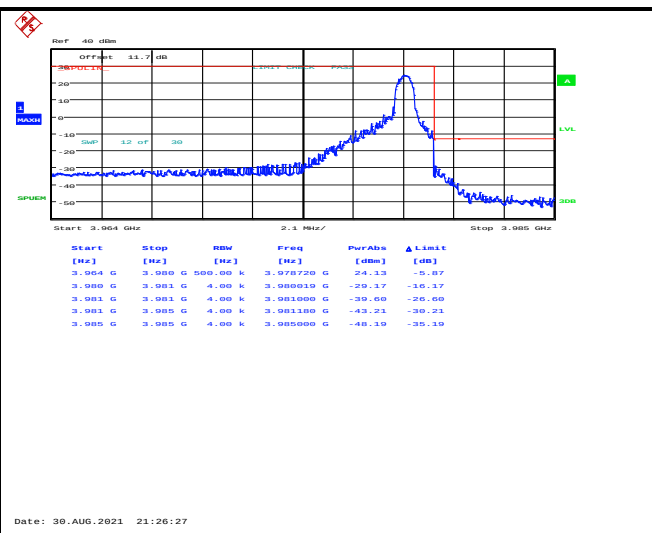


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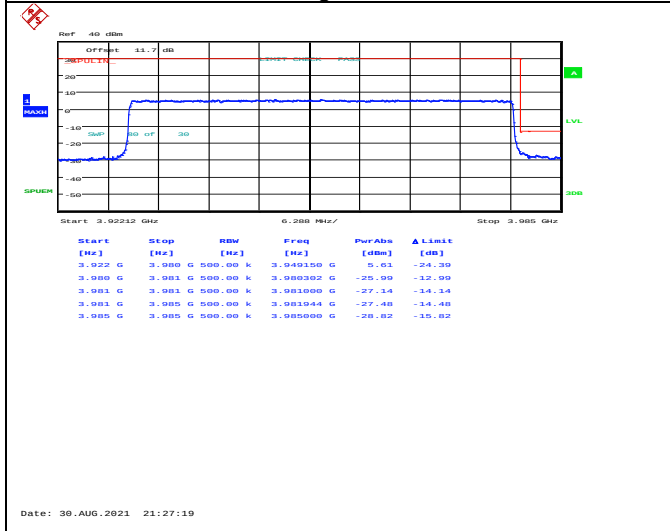


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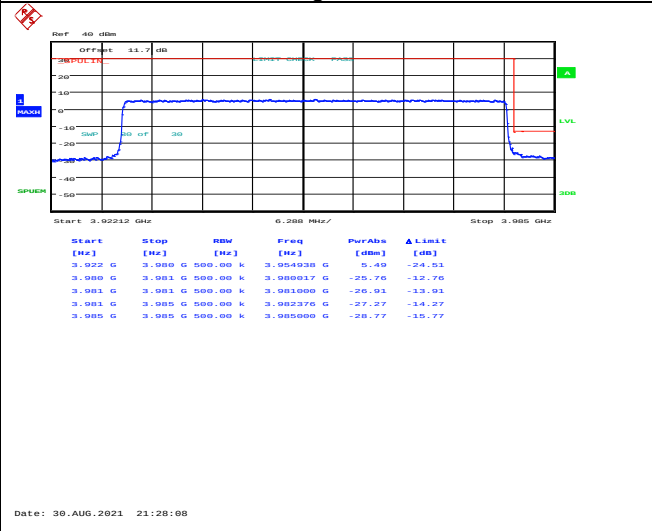


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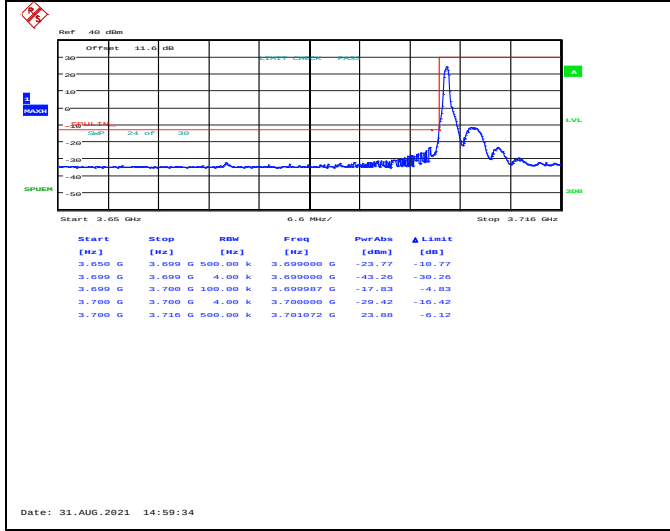


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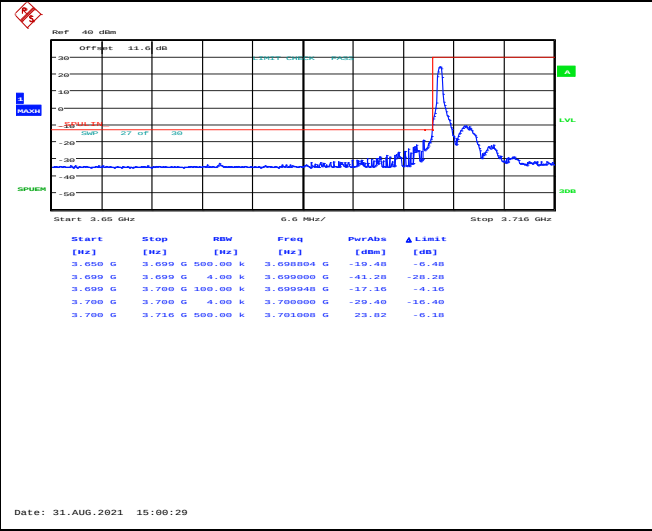


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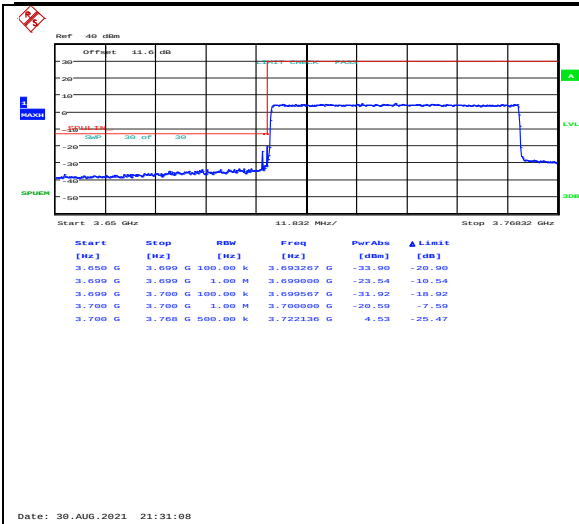


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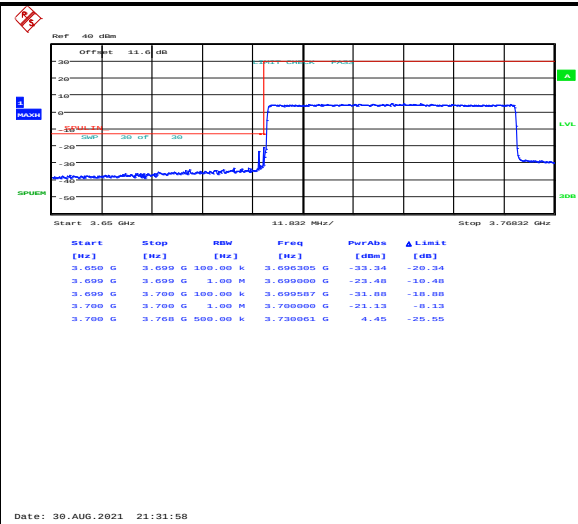


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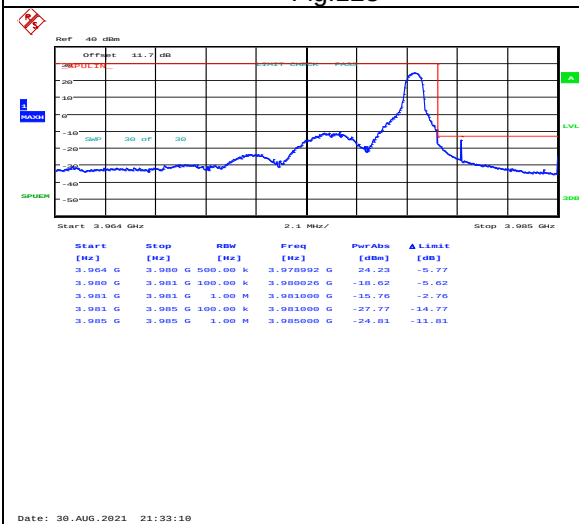


Fig.125

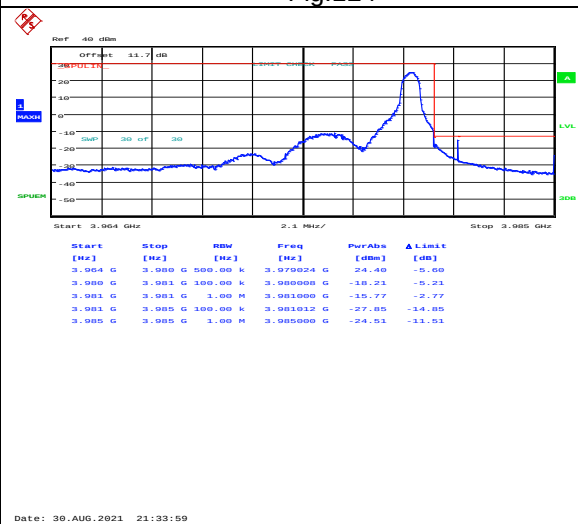


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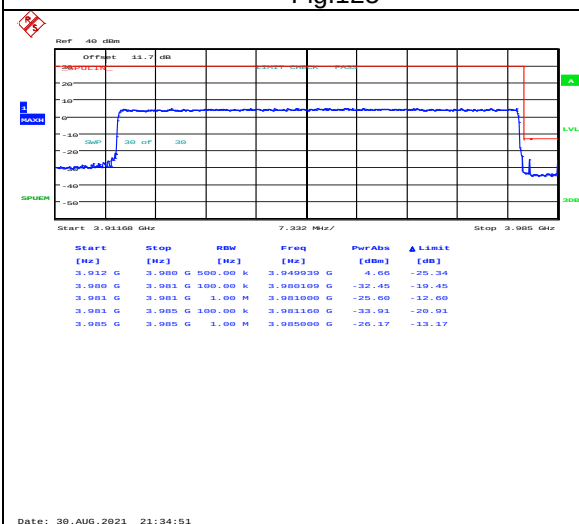


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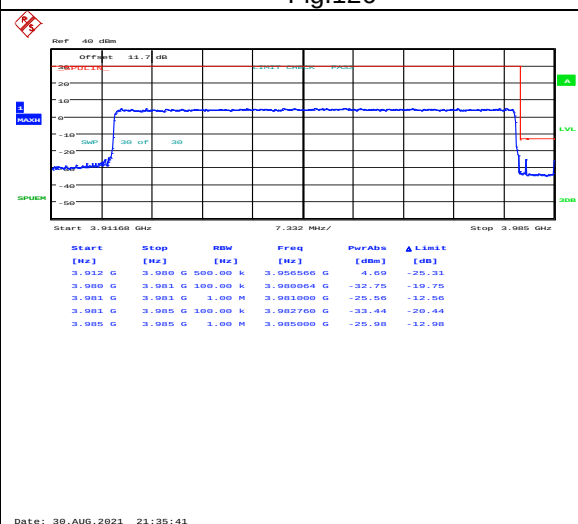


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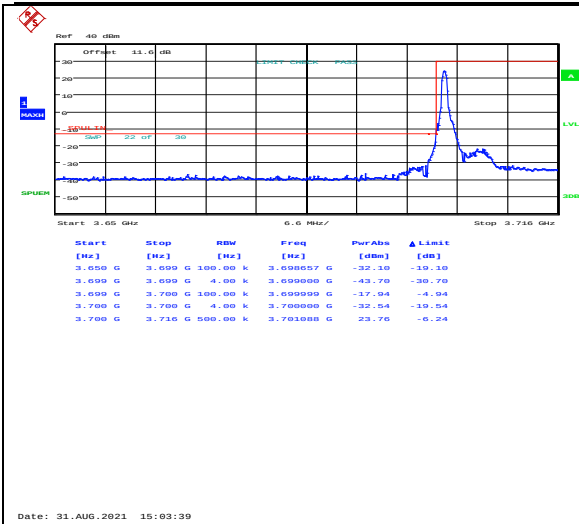


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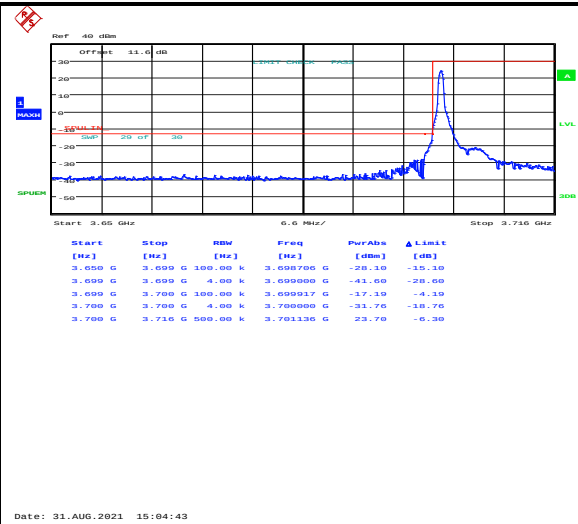


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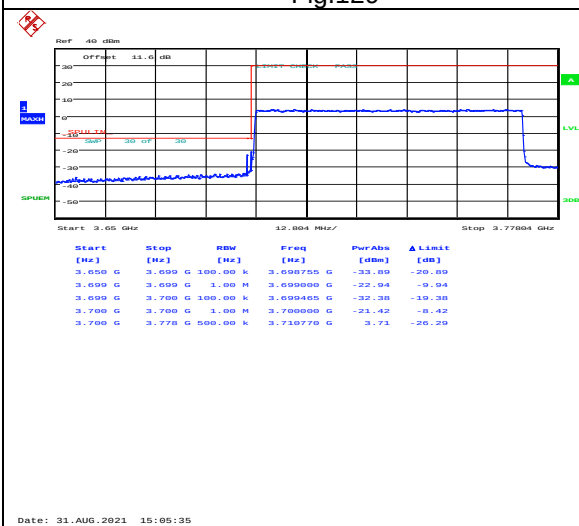


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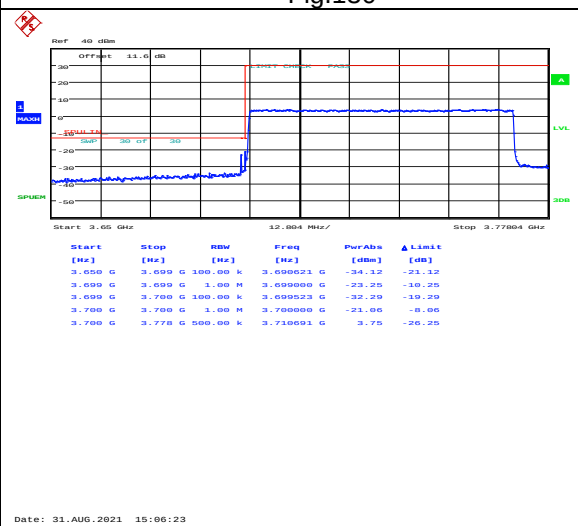


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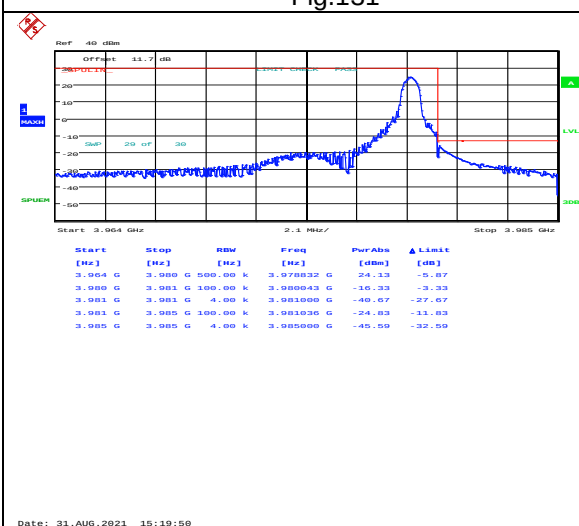


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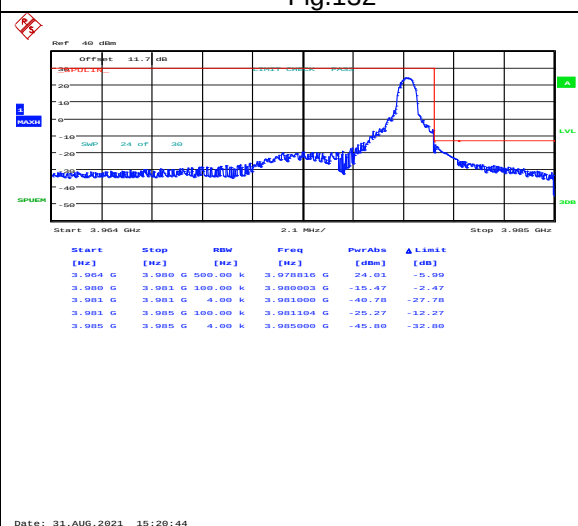


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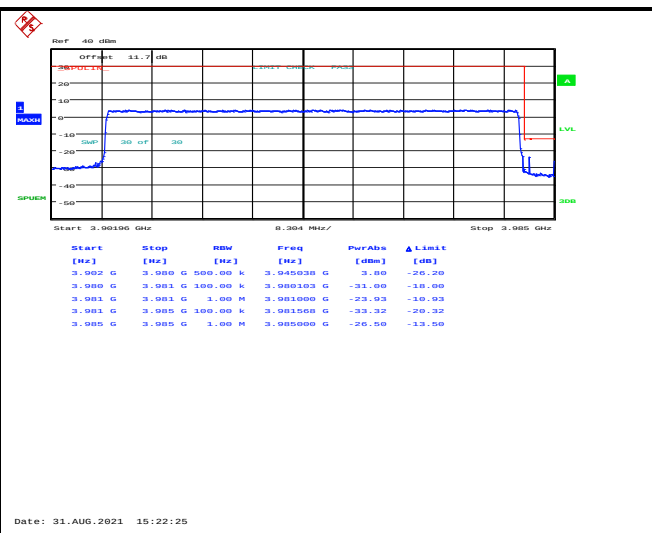
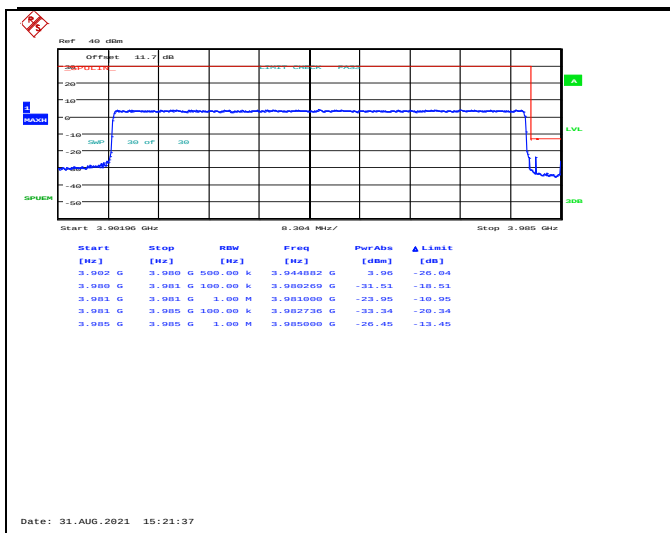


Fig.135

Fig.136

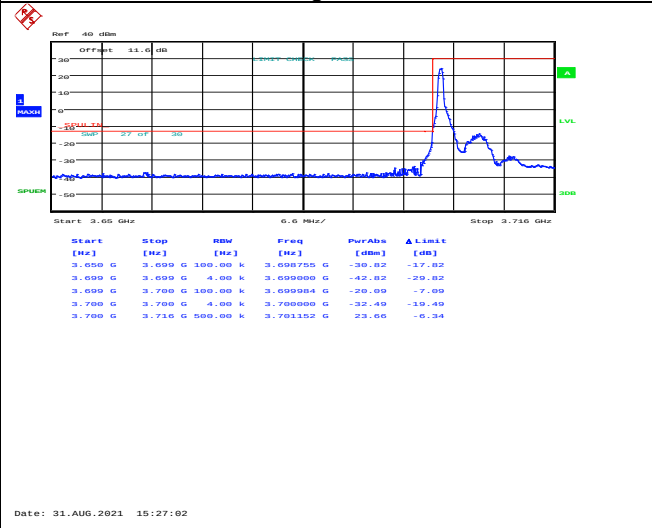
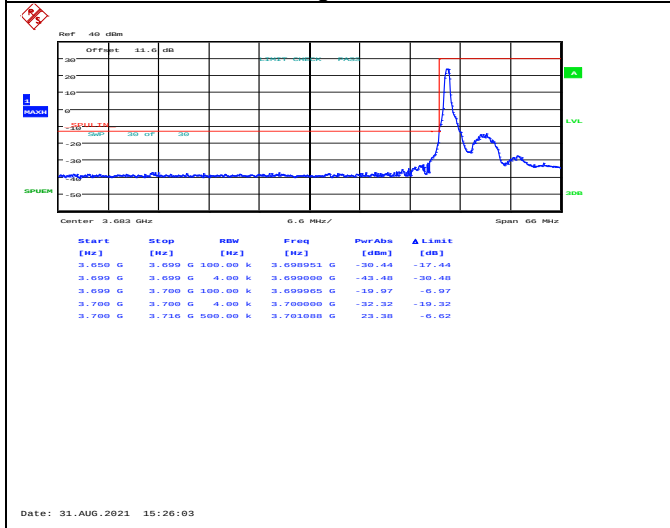


Fig.137

Fig.138

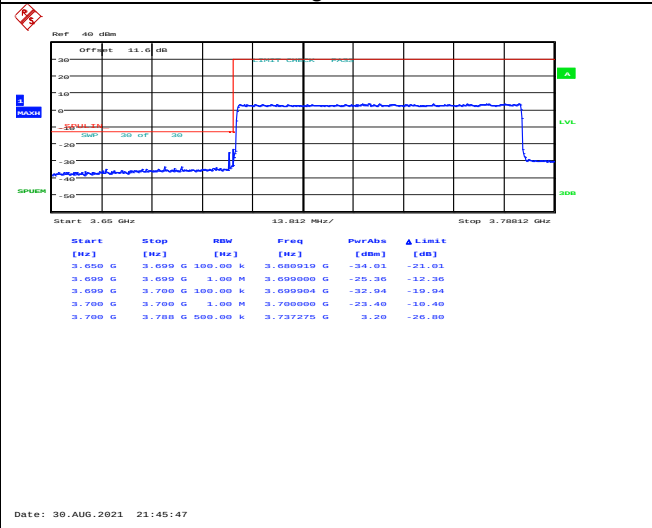
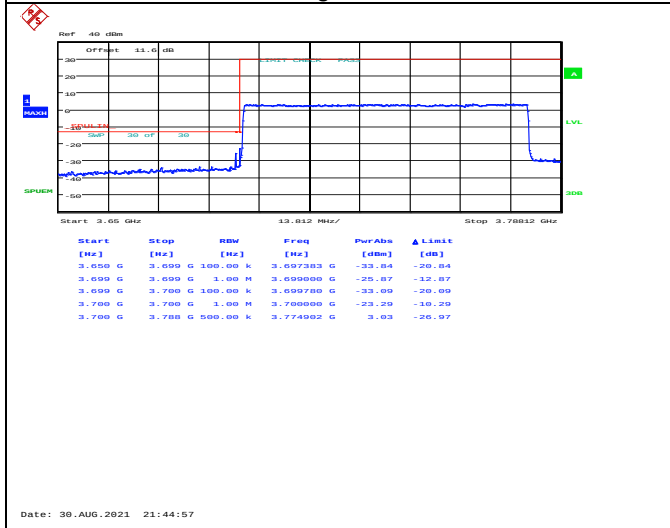


Fig.139

Fig.140

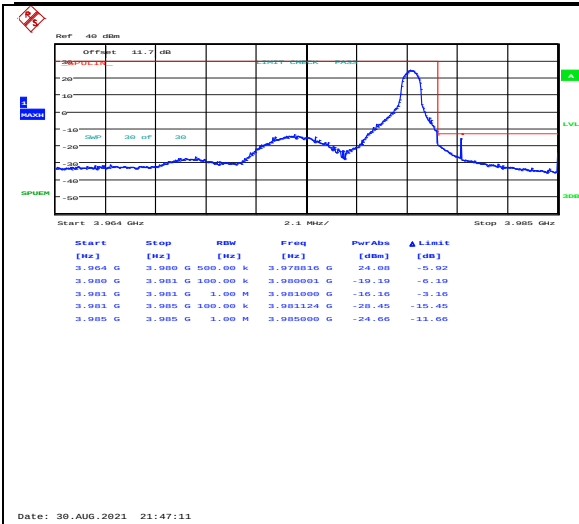


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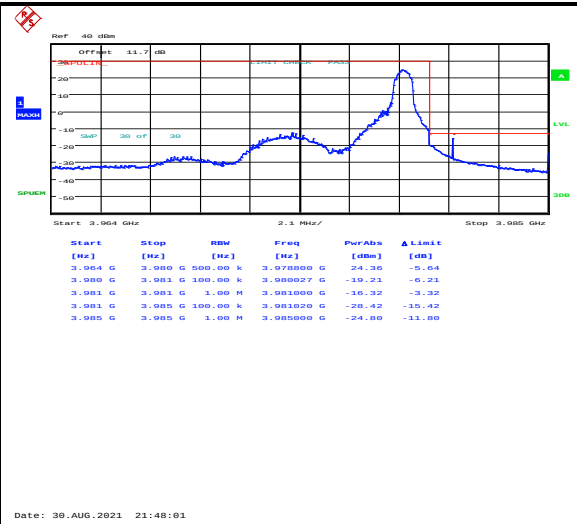


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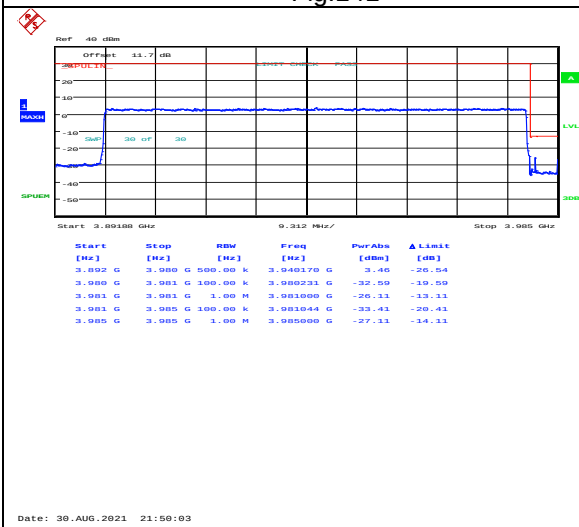


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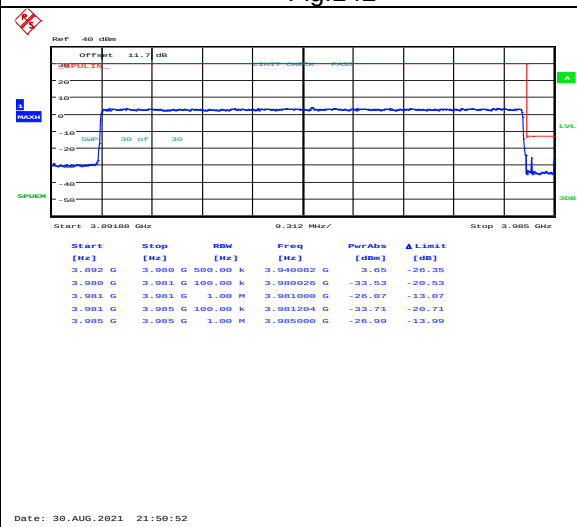


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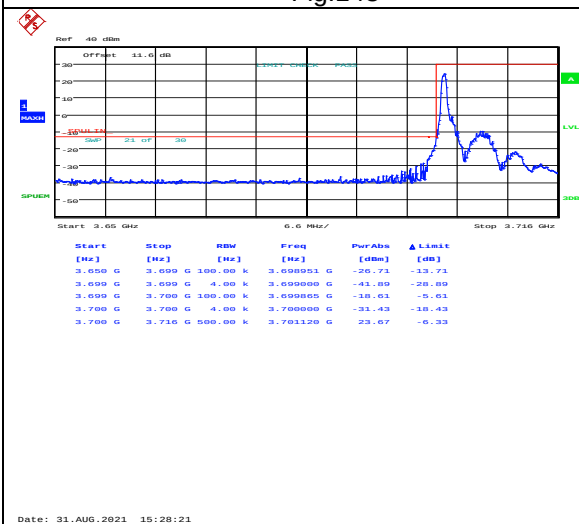


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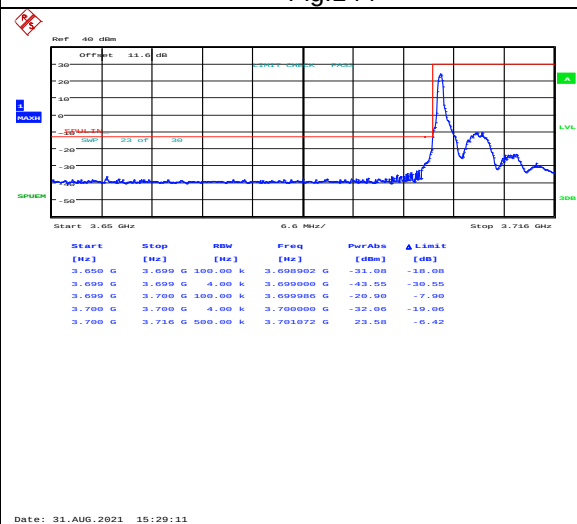


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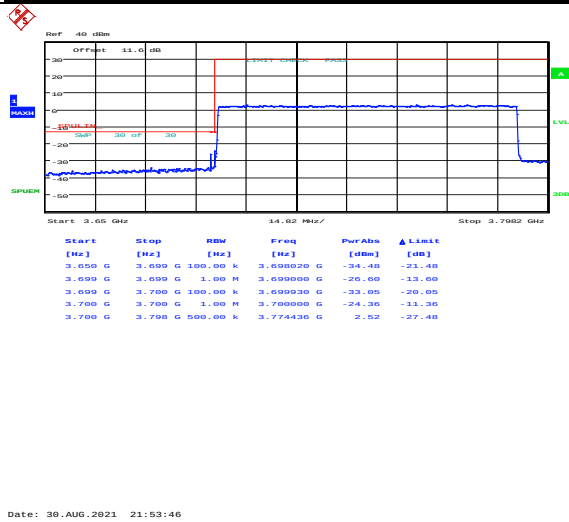


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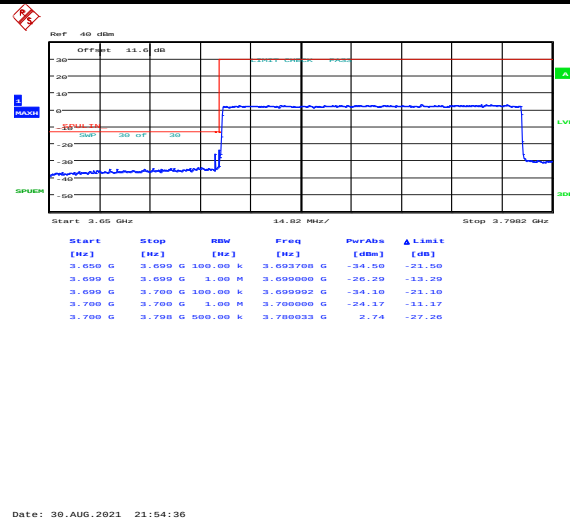


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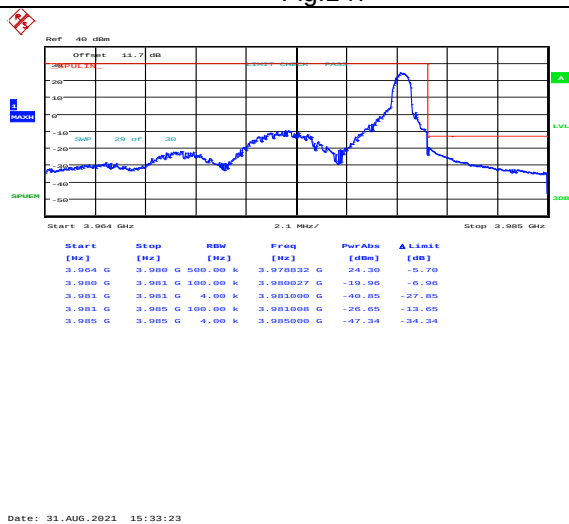


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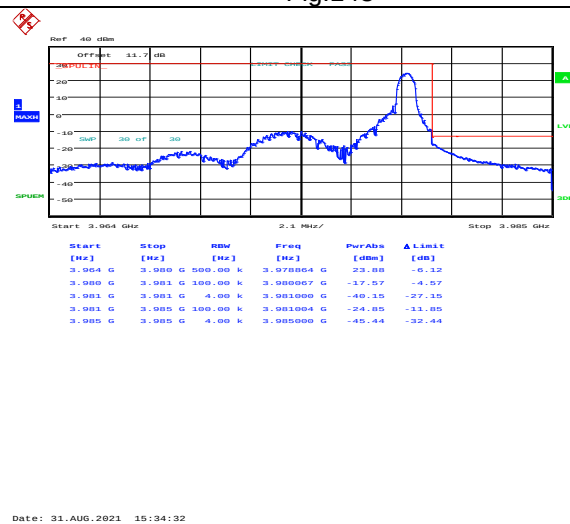


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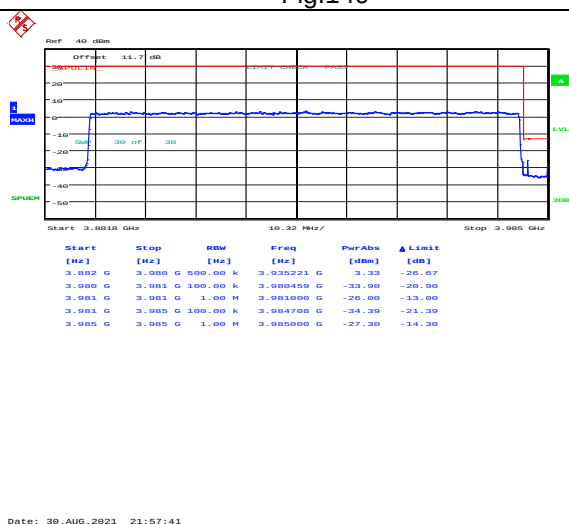


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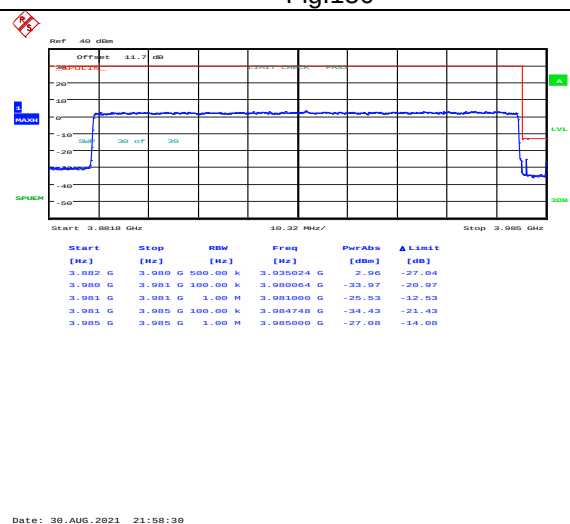


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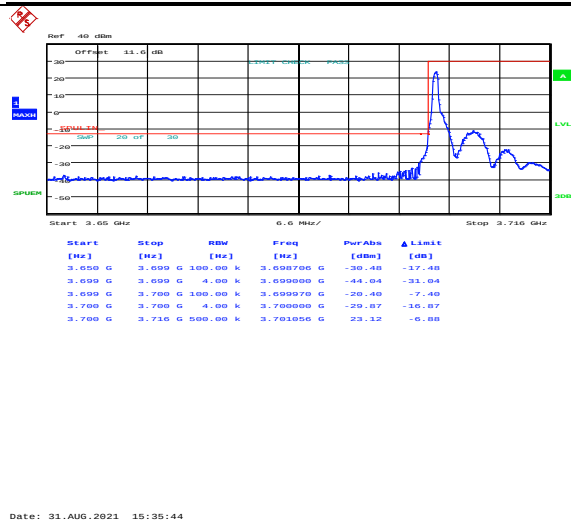


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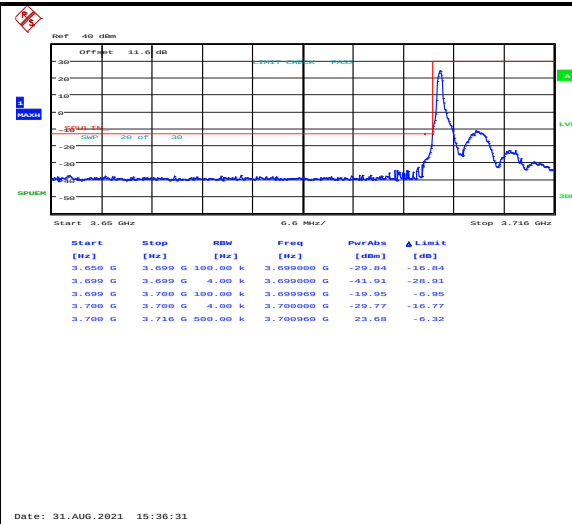


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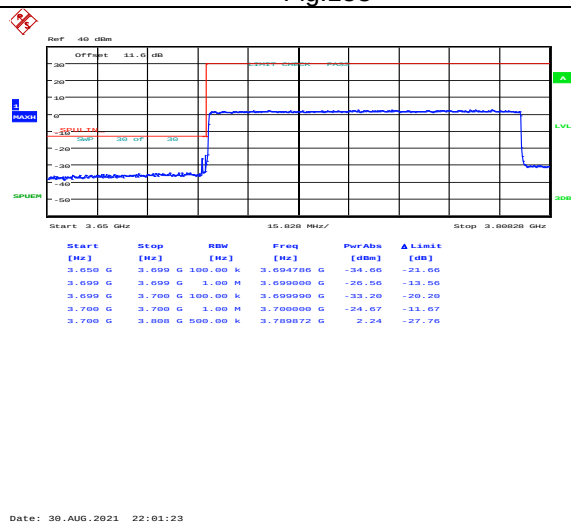


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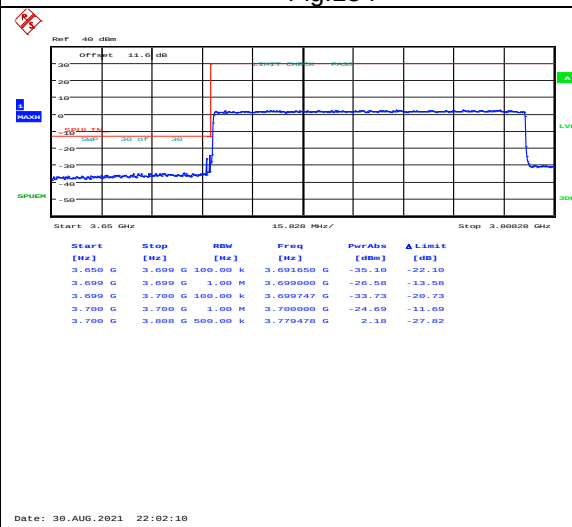


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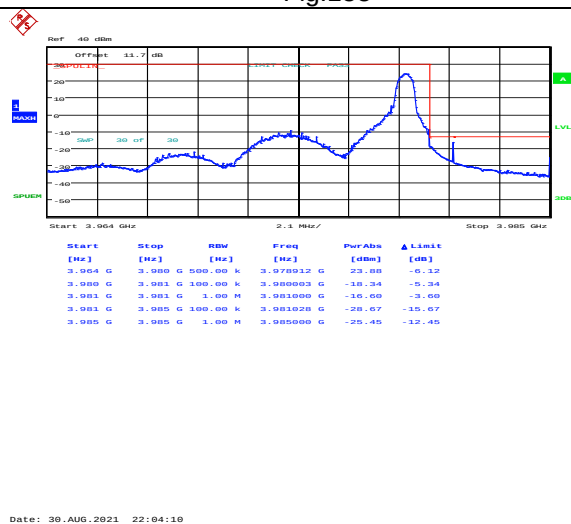


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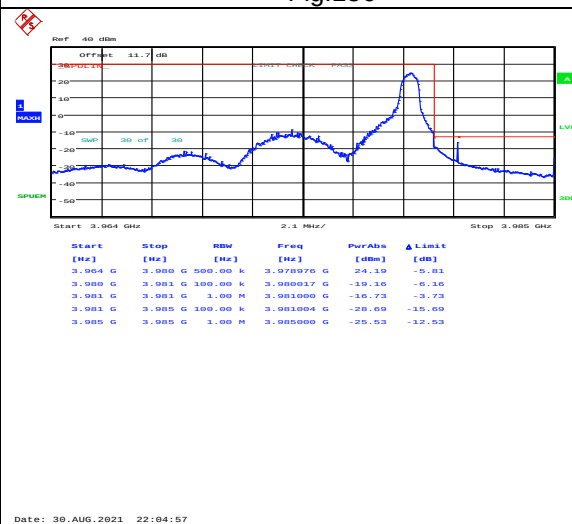


Fig.158

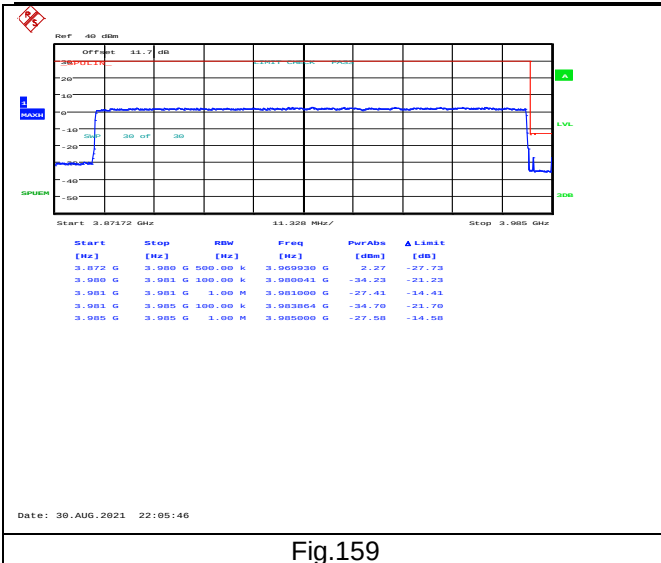


Fig.159

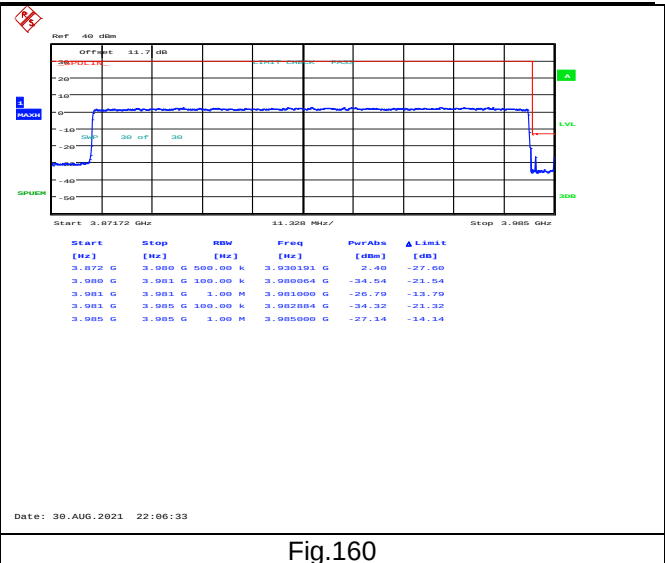


Fig.160

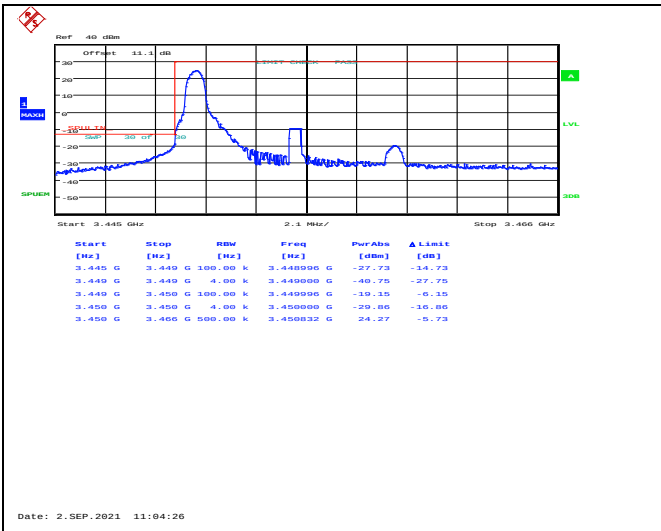


Fig.161

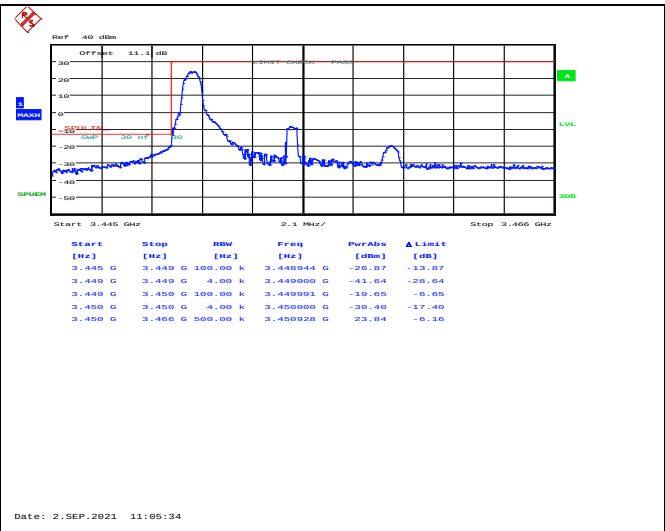


Fig.162

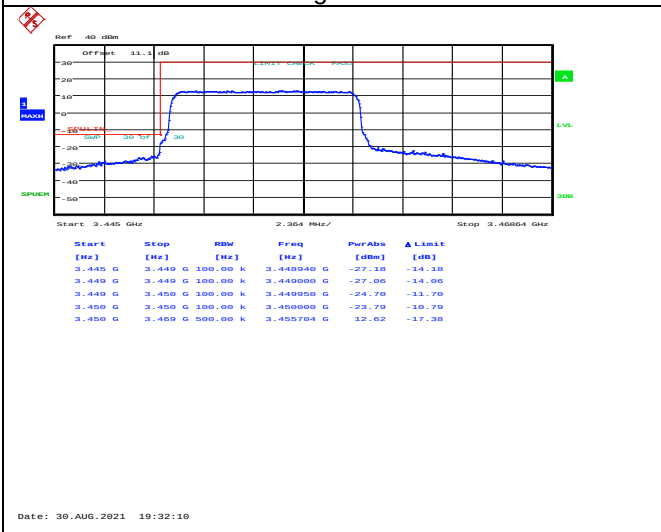


Fig.163

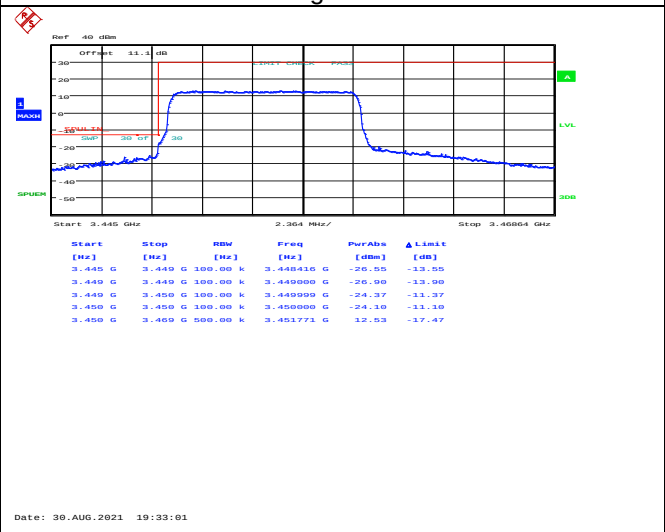


Fig.164

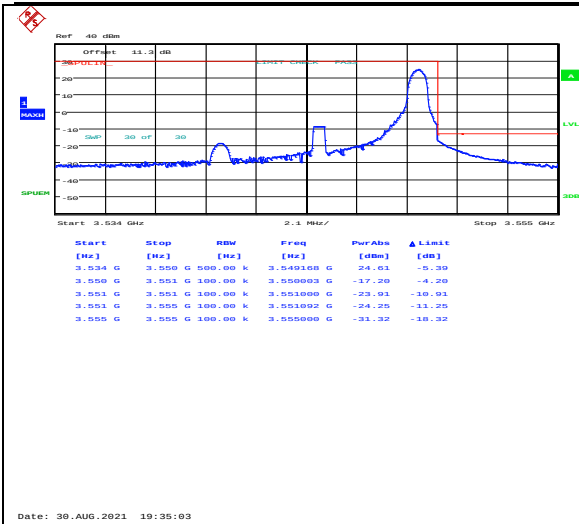


Fig.165

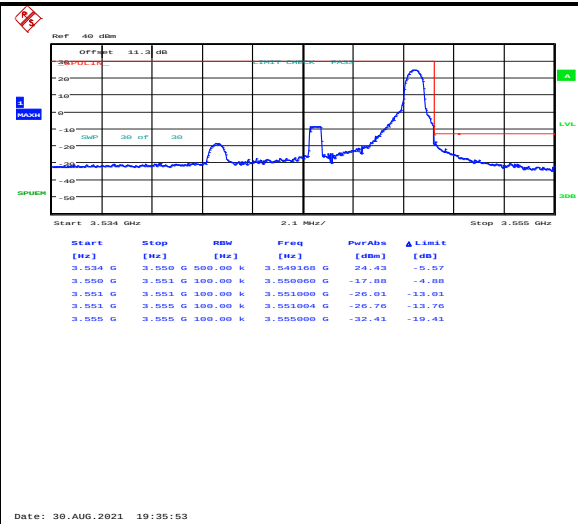


Fig.166

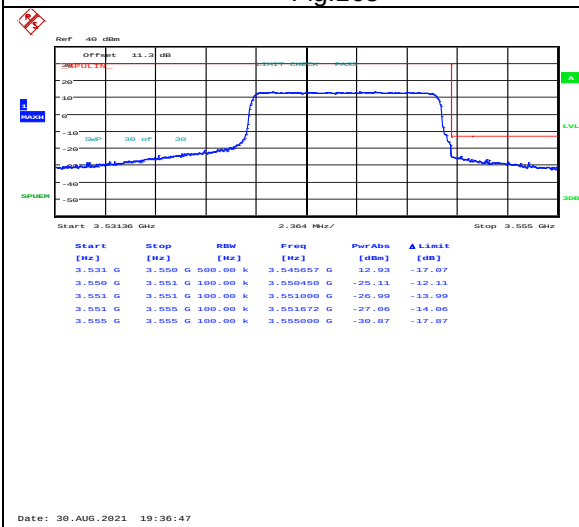


Fig.167

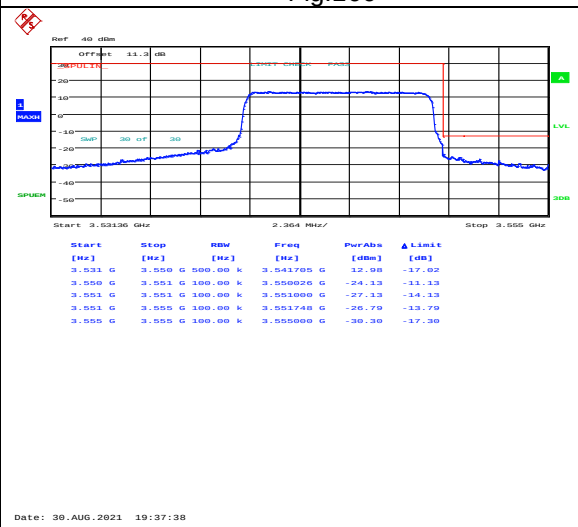


Fig.168

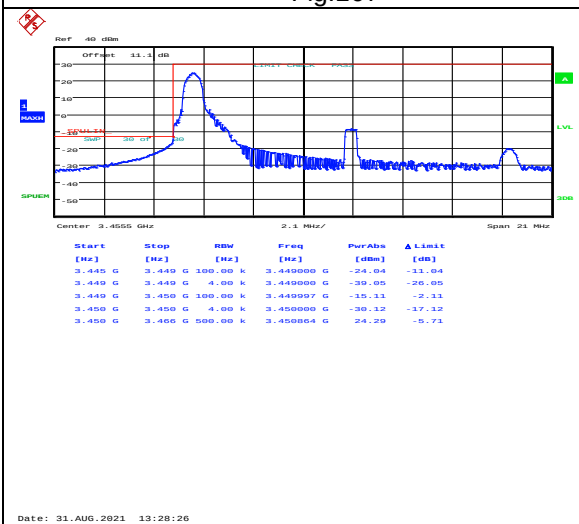


Fig.169

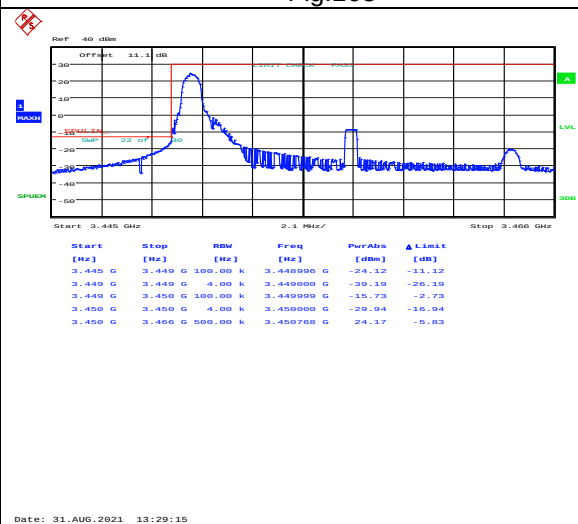
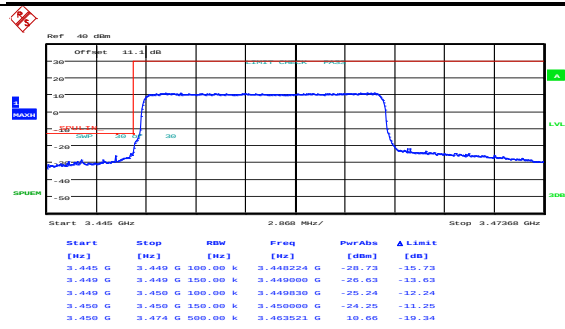
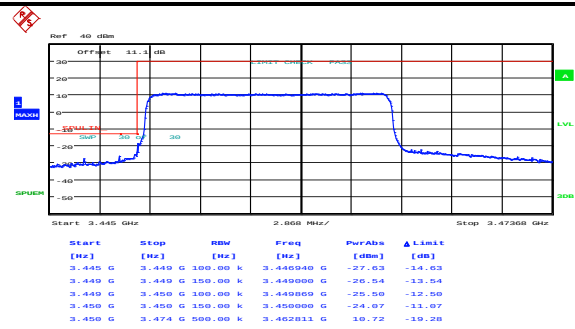


Fig.170



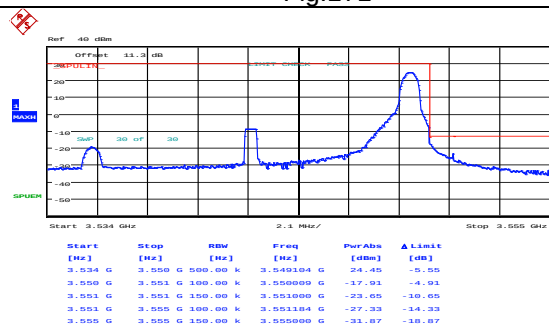
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Fig.171



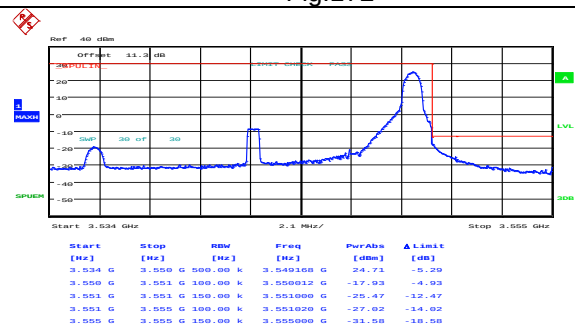
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Fig.172



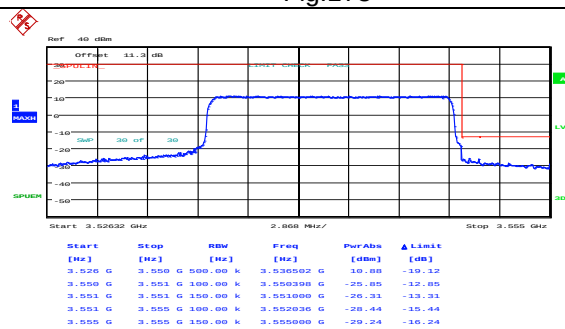
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Fig.173



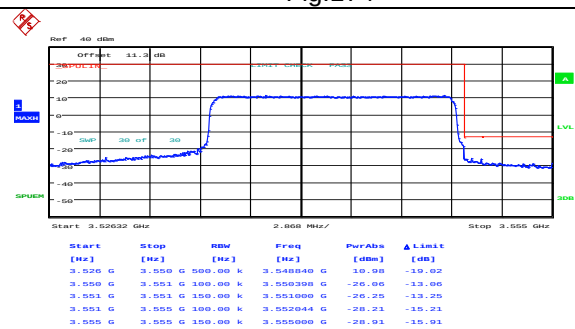
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Fig.174



Date: 30.AUG.2021 19:44:36

Fig.175



Date: 30.AUG.2021 19:45:27

Fig.176

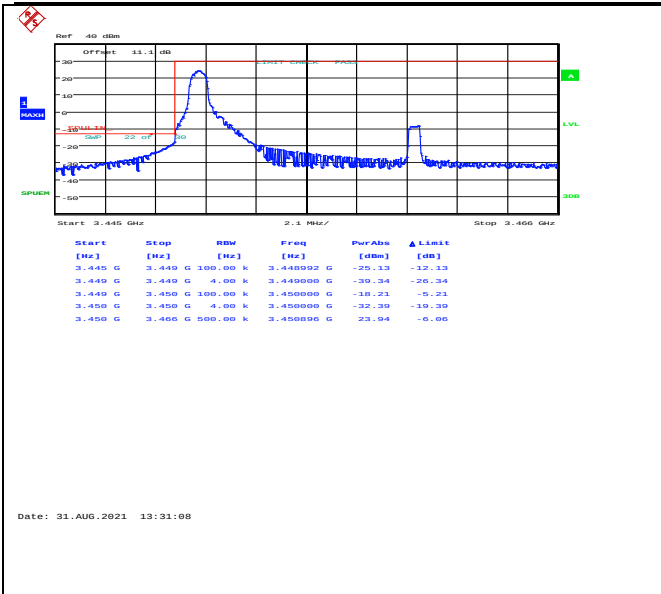


Fig.177

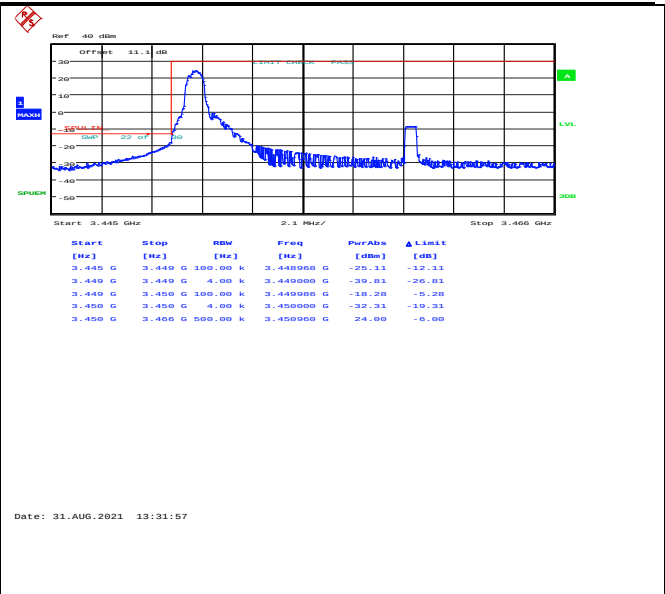


Fig.178

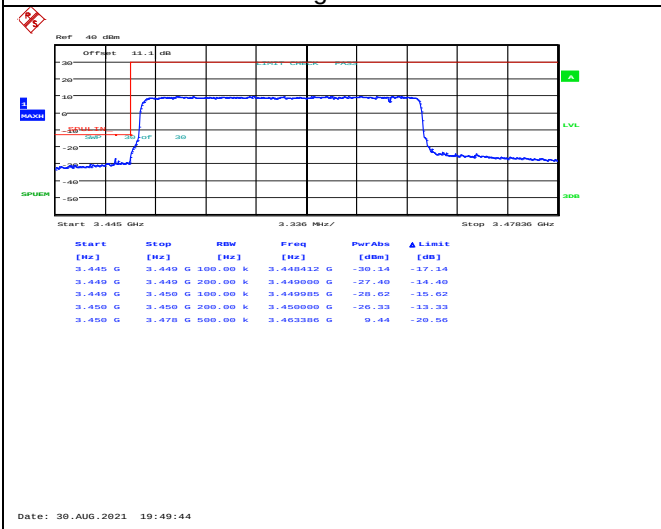


Fig.179

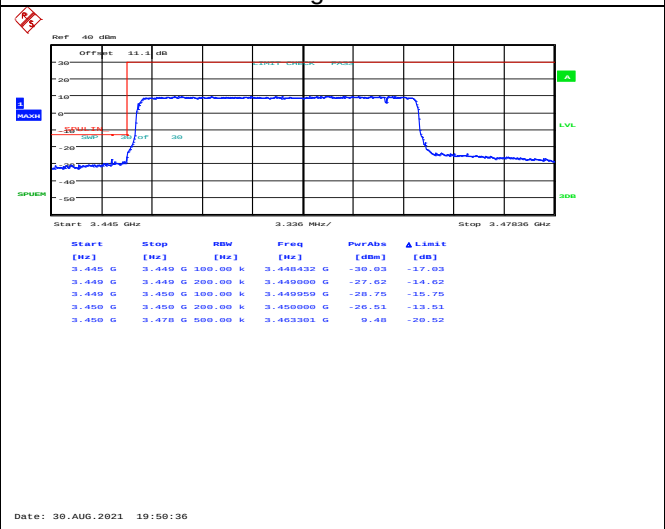


Fig.180

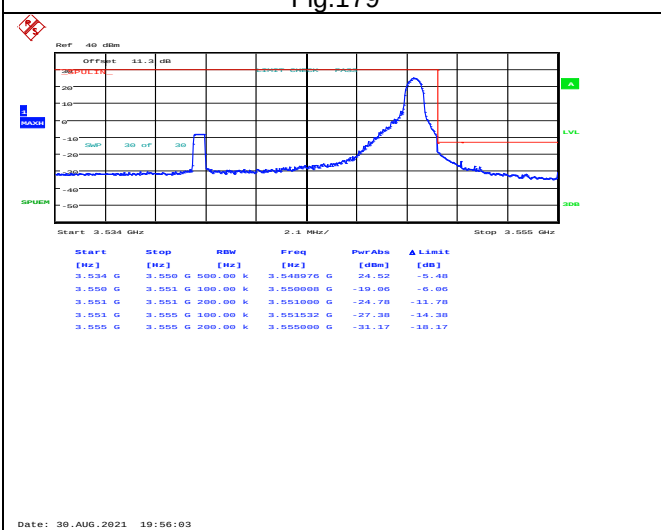


Fig.181

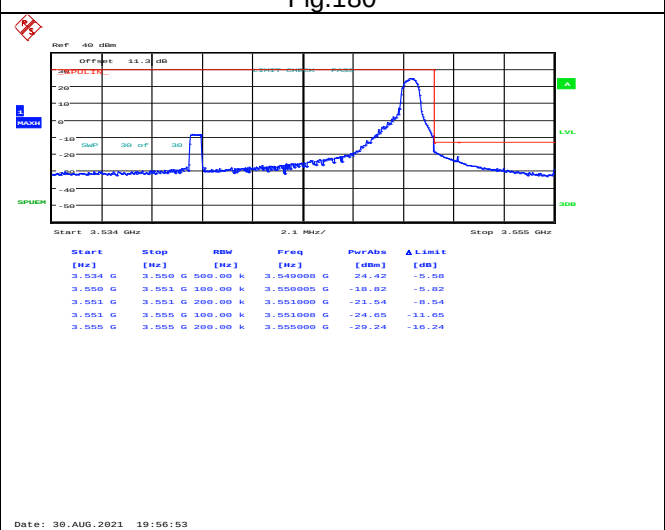


Fig.182

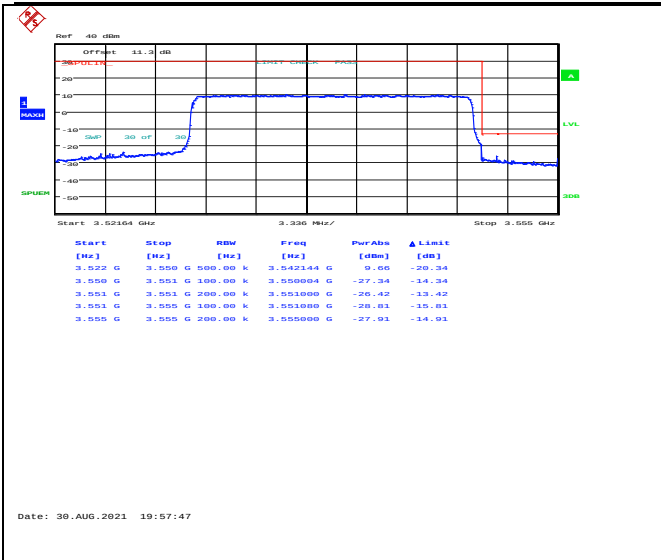


Fig.183

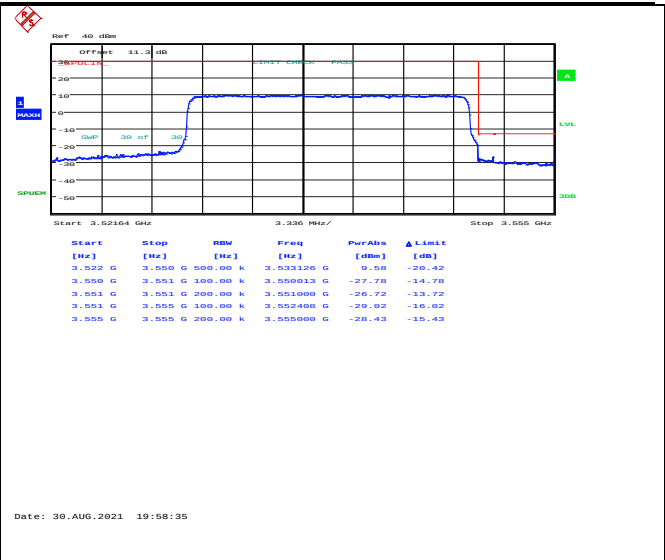


Fig.184

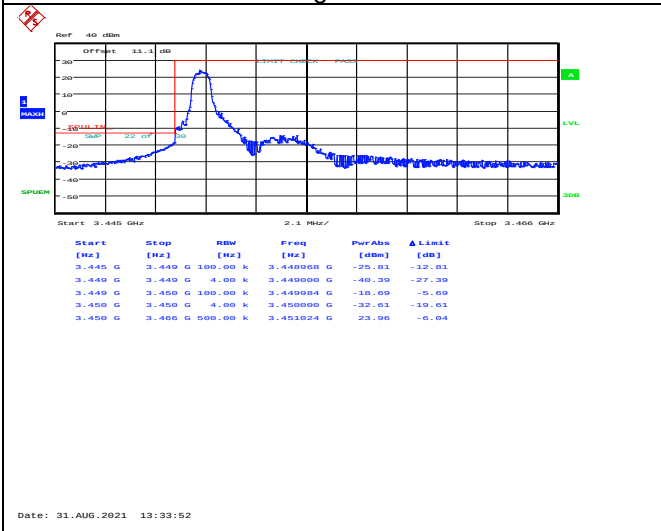


Fig.185

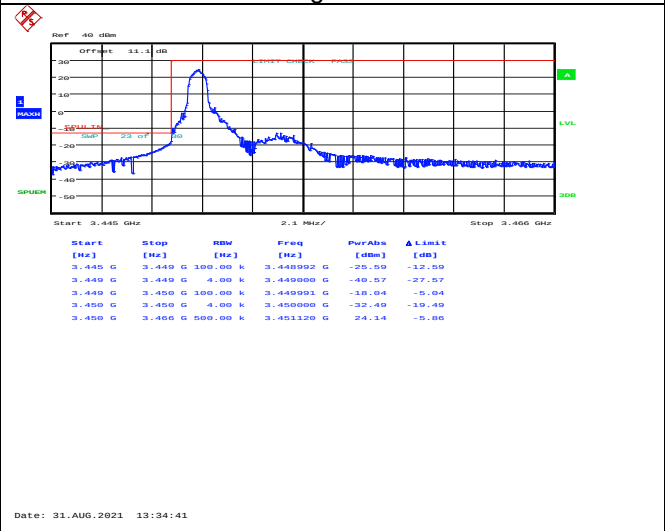


Fig.186

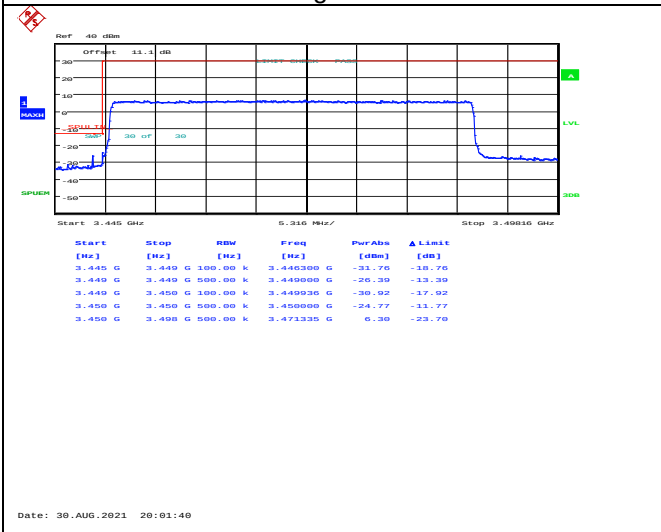


Fig.187

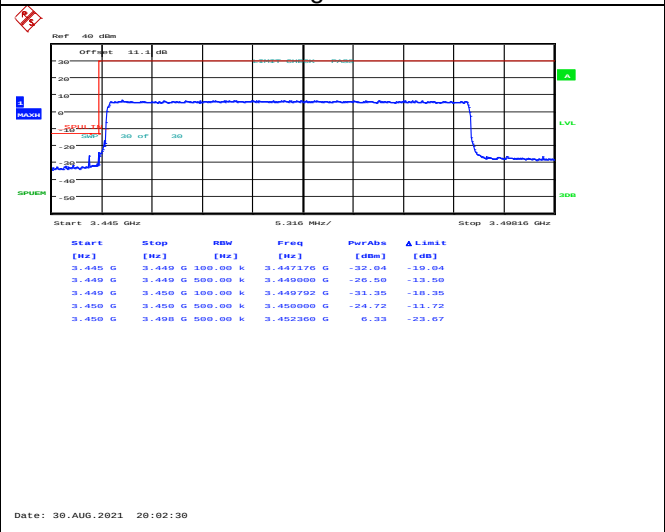


Fig.188

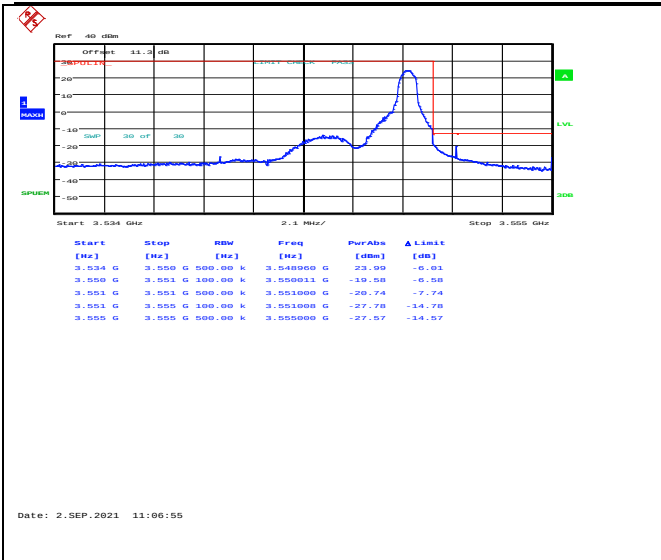


Fig.189

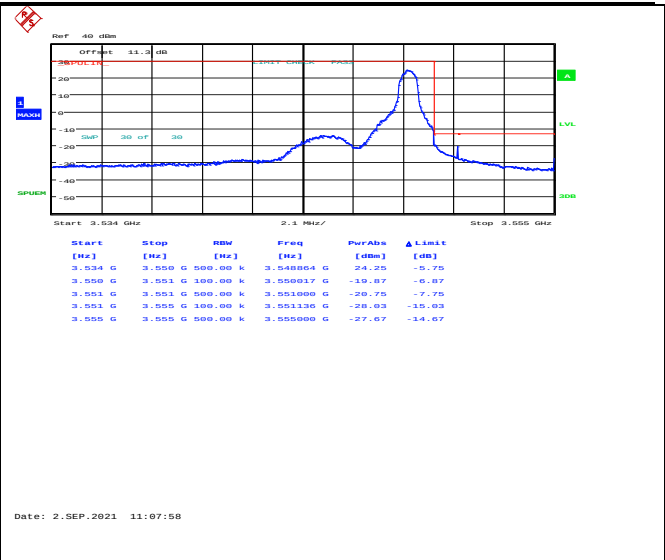


Fig.190

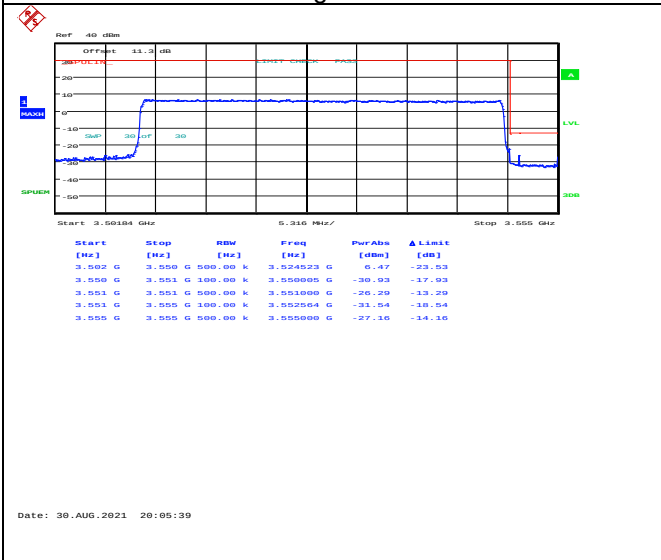


Fig.191

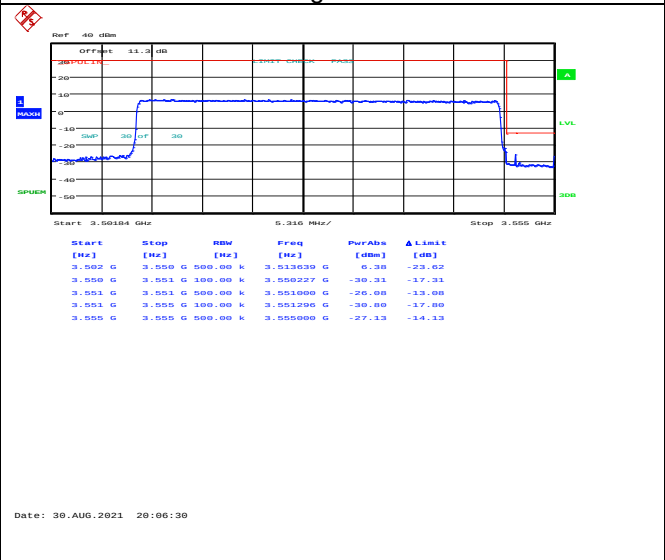


Fig.192

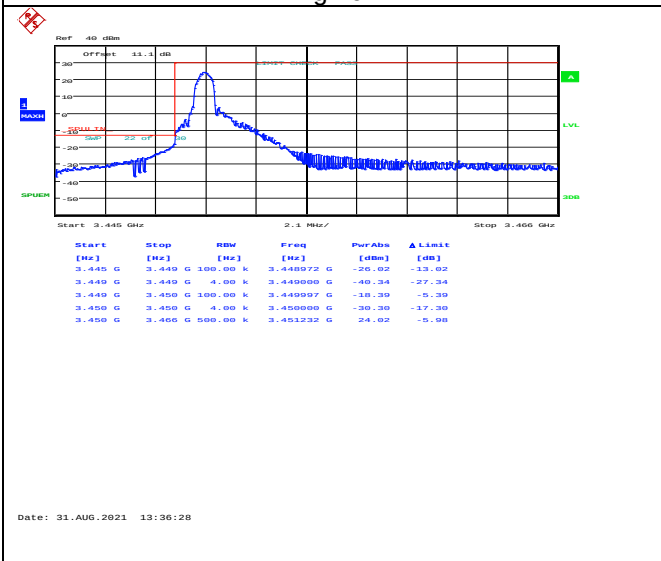


Fig.193

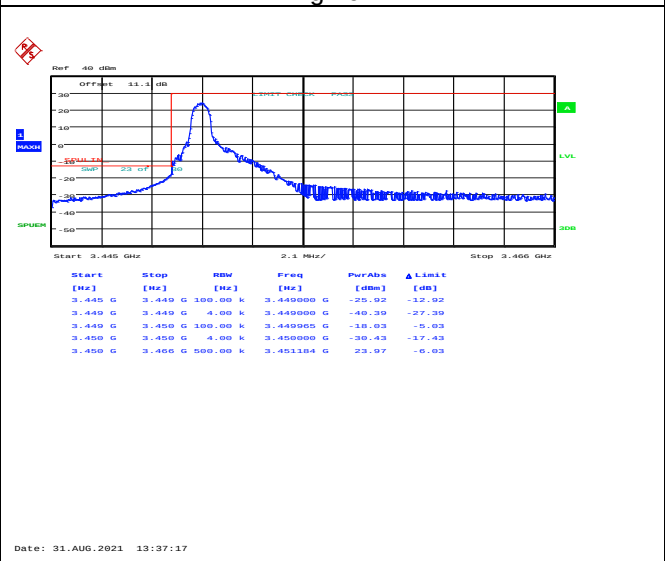


Fig.194

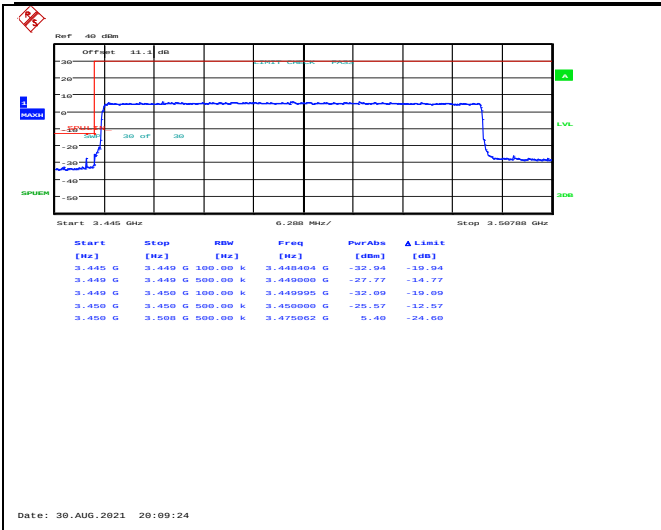


Fig.195

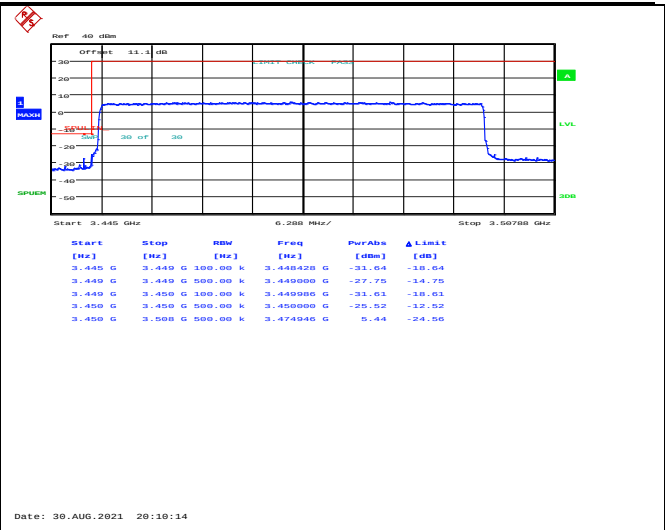


Fig.196

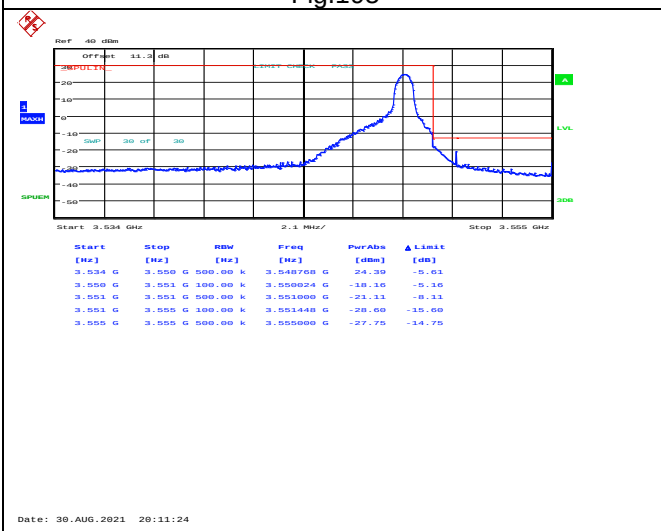


Fig.197

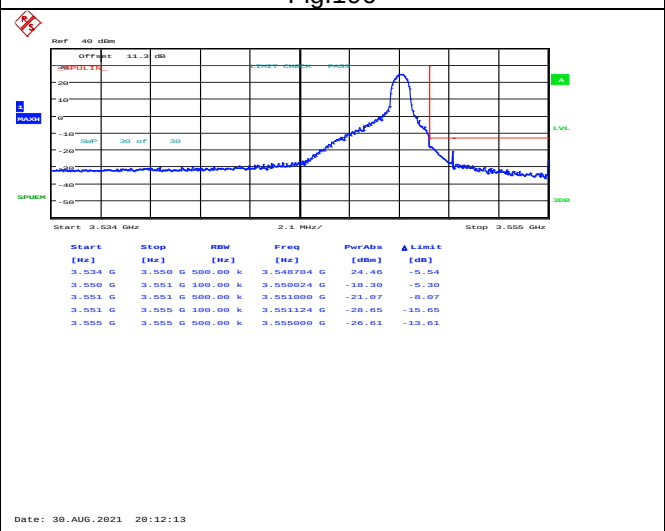


Fig.198

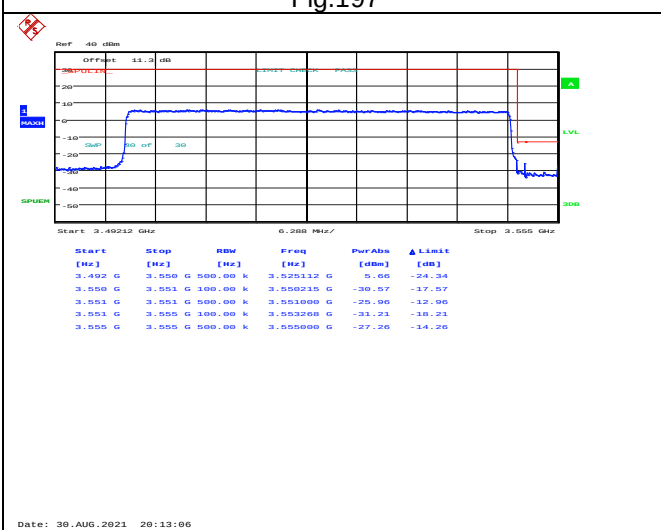


Fig.199

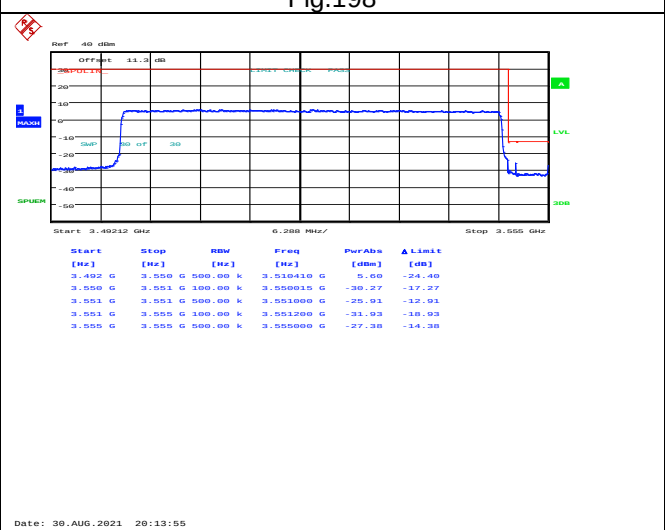


Fig.200

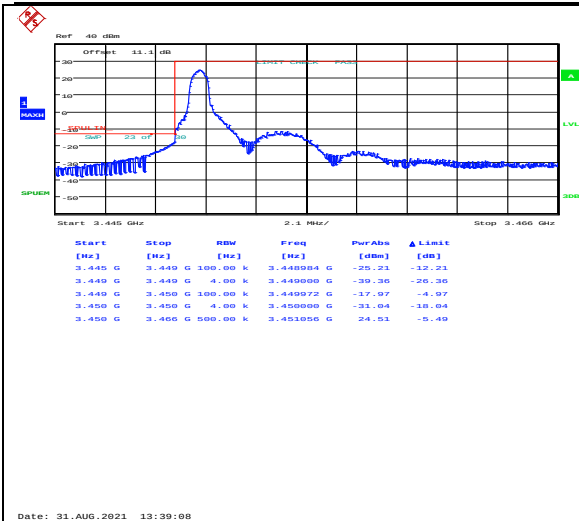


Fig.201

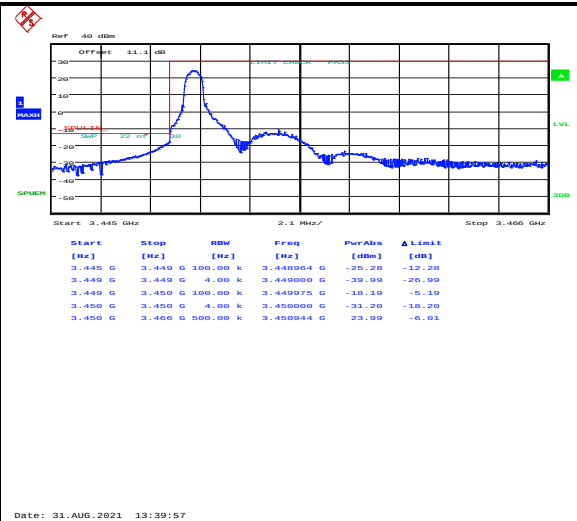


Fig.202

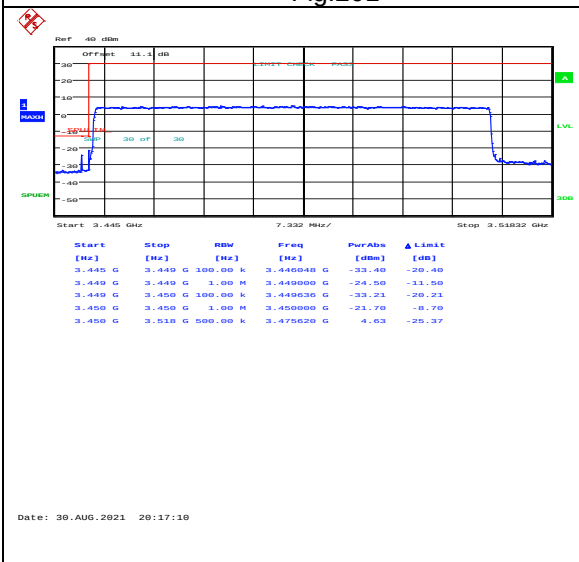


Fig.203

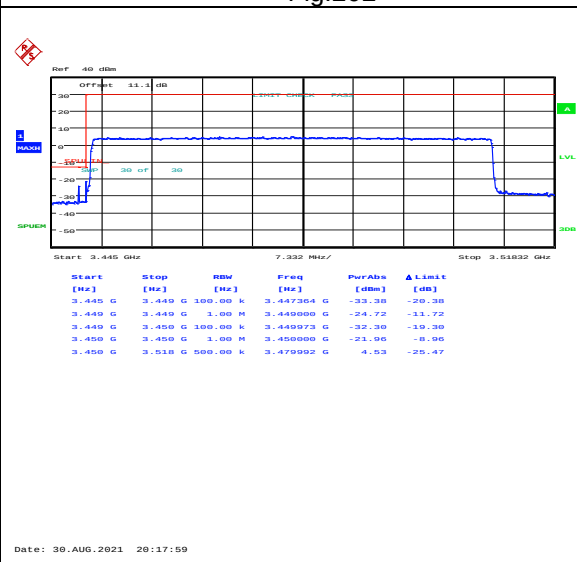


Fig.204

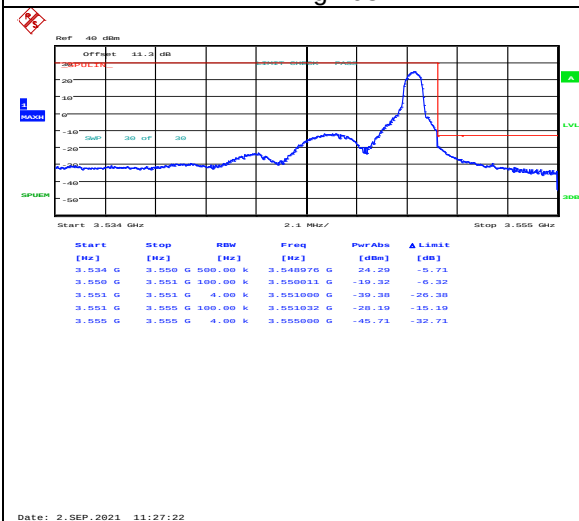


Fig.205

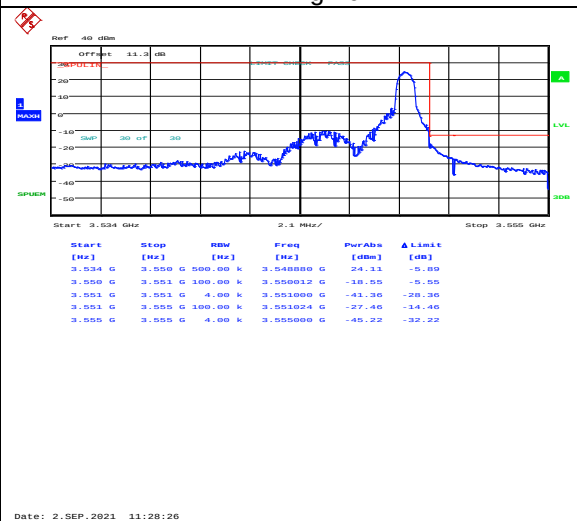


Fig.206

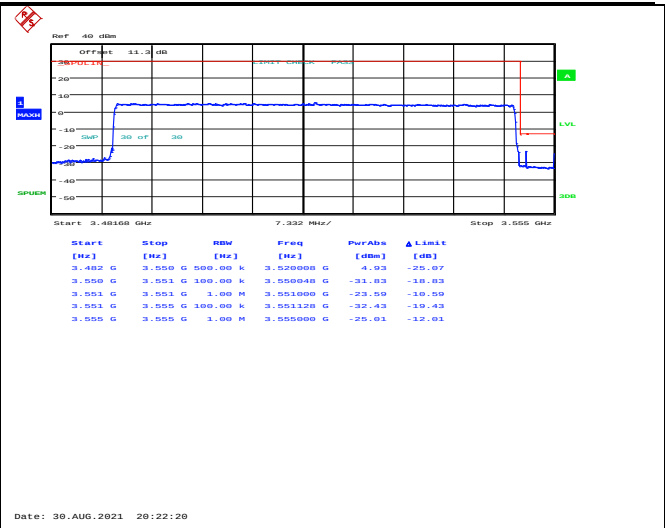
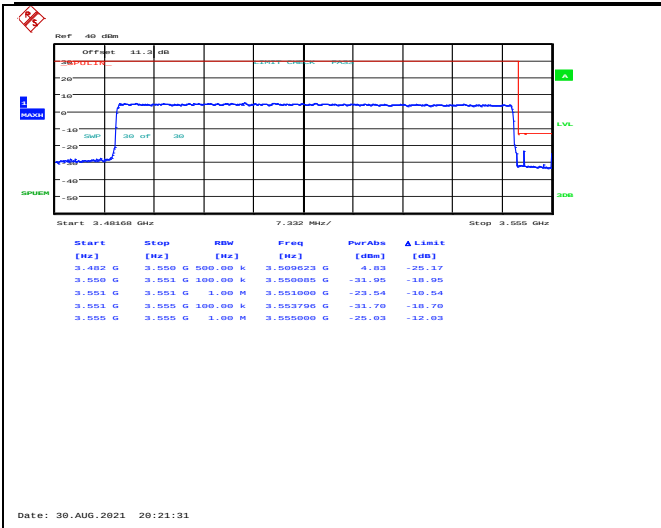


Fig.207

Fig.208

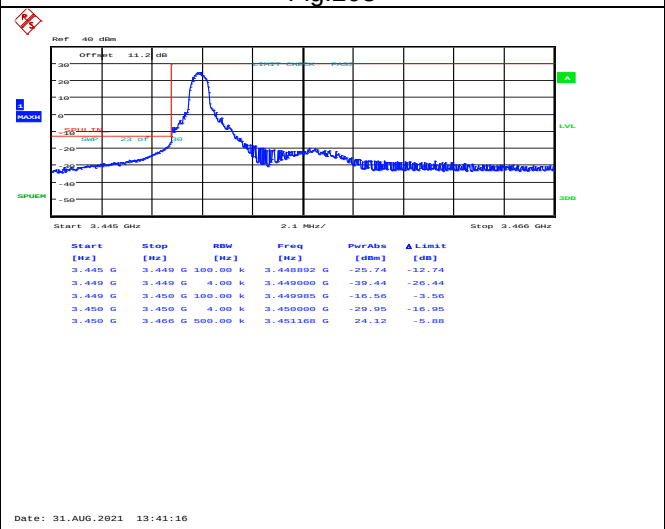
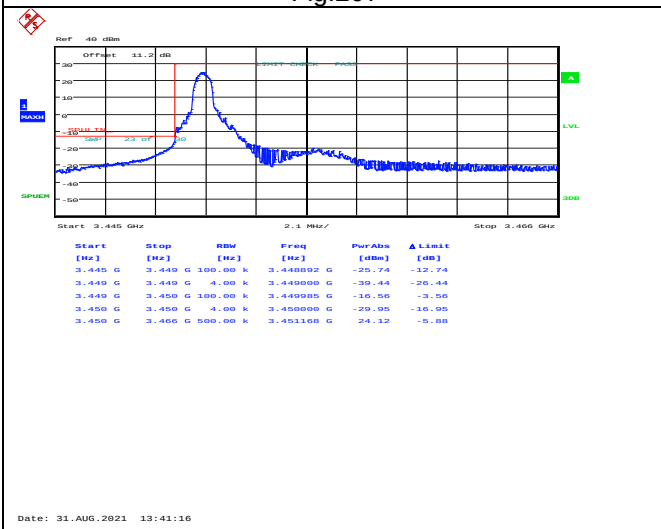


Fig.209

Fig.210

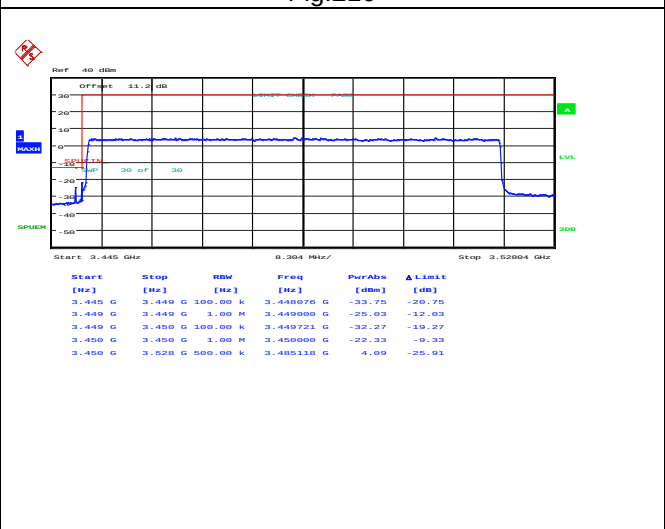
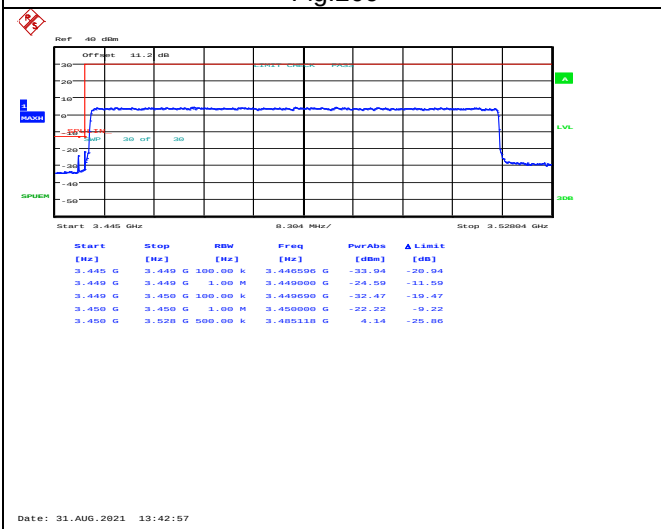


Fig.211

Fig.212

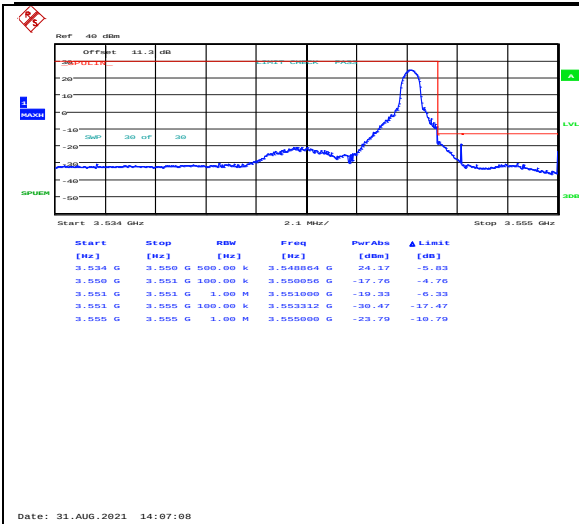


Fig.213

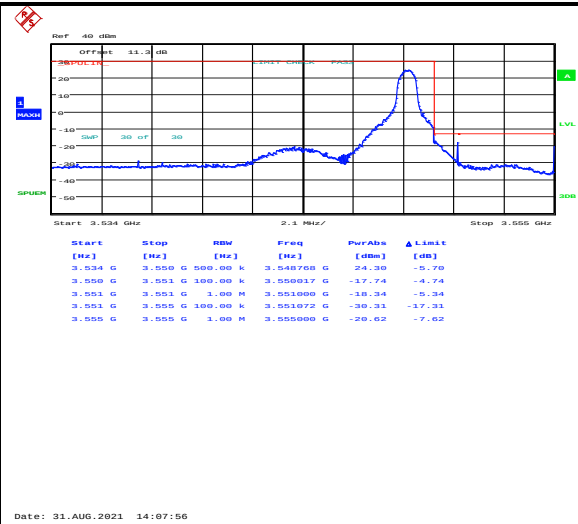


Fig.214

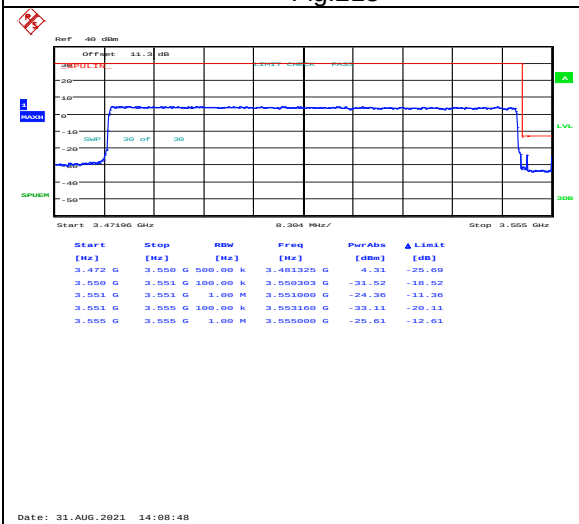


Fig.215

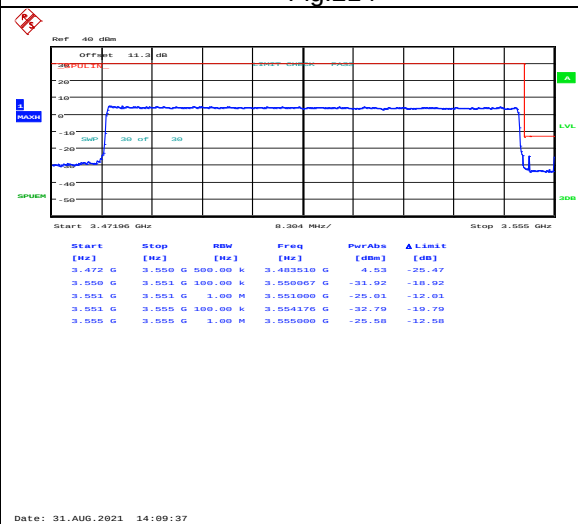


Fig.216

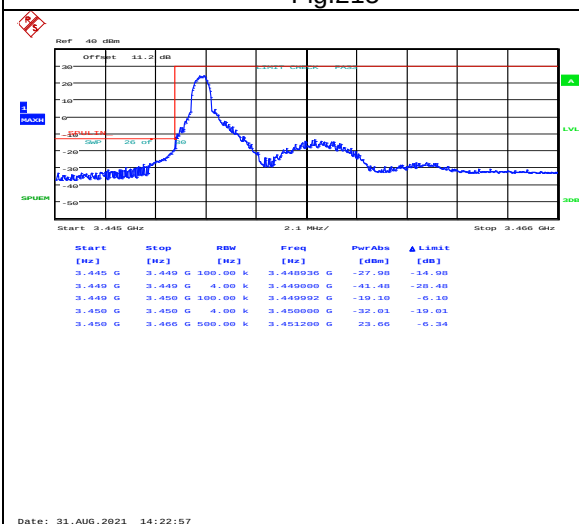


Fig.217

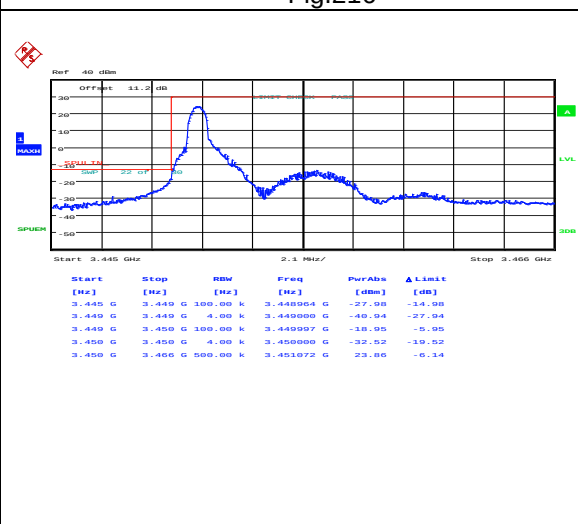


Fig.218

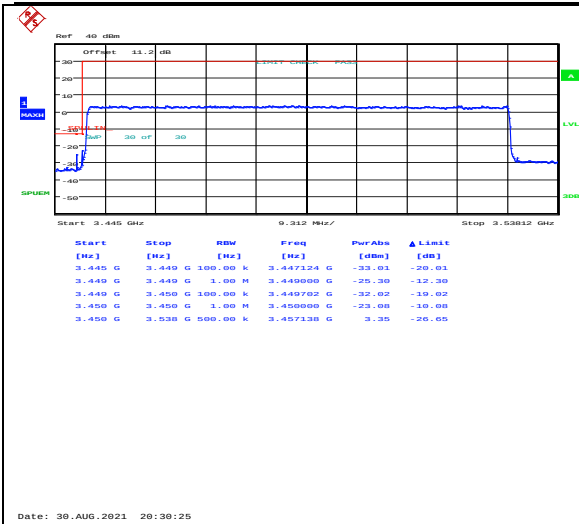


Fig.219

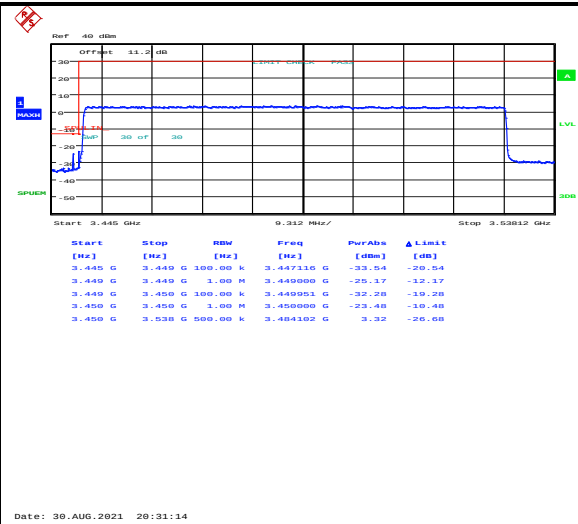


Fig.220

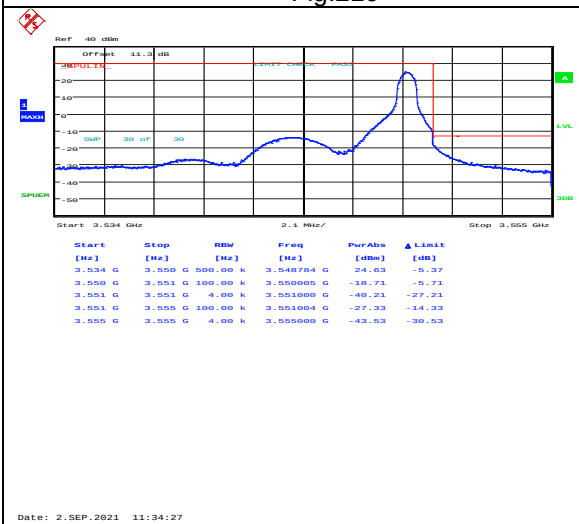


Fig.221

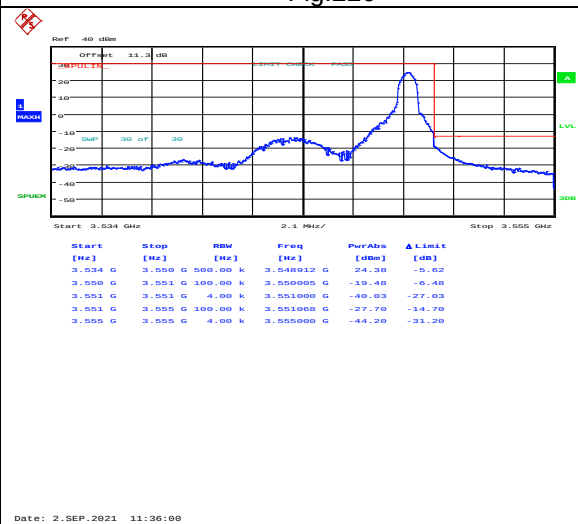


Fig.222

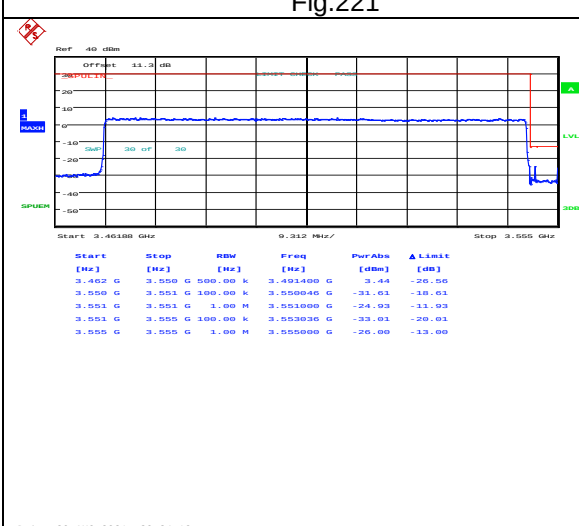


Fig.223

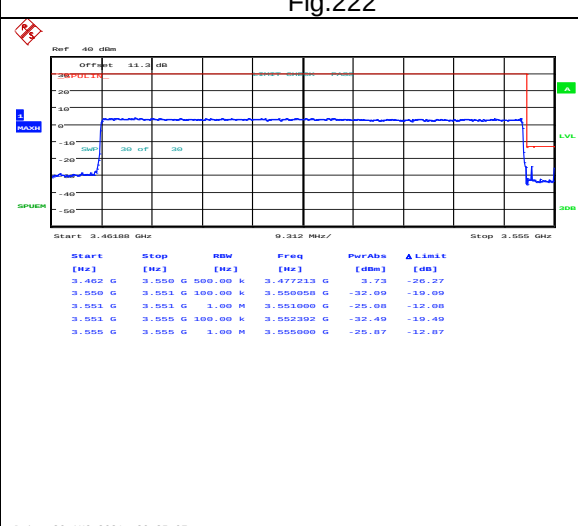


Fig.224

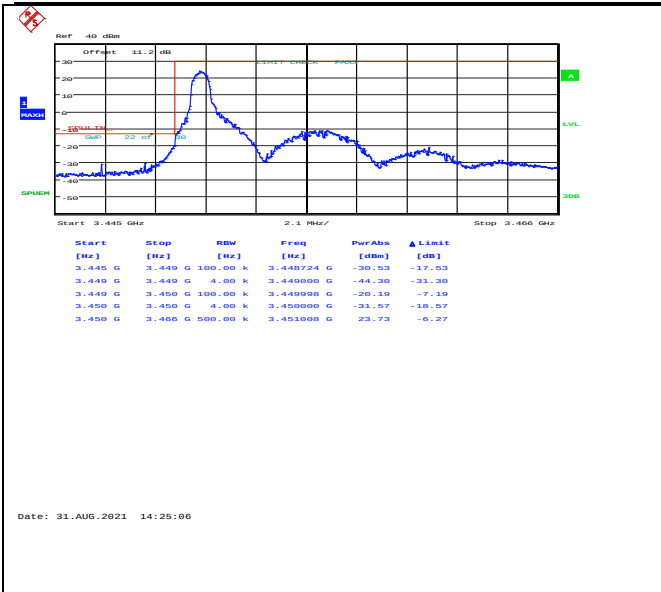


Fig.225

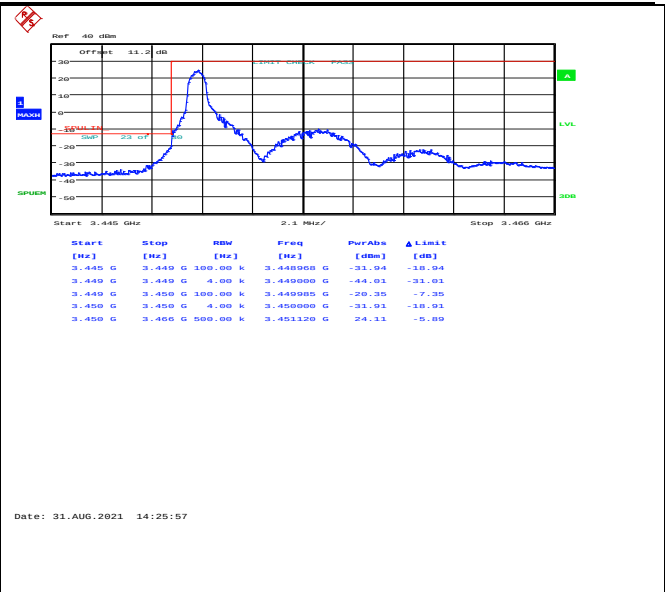


Fig.226

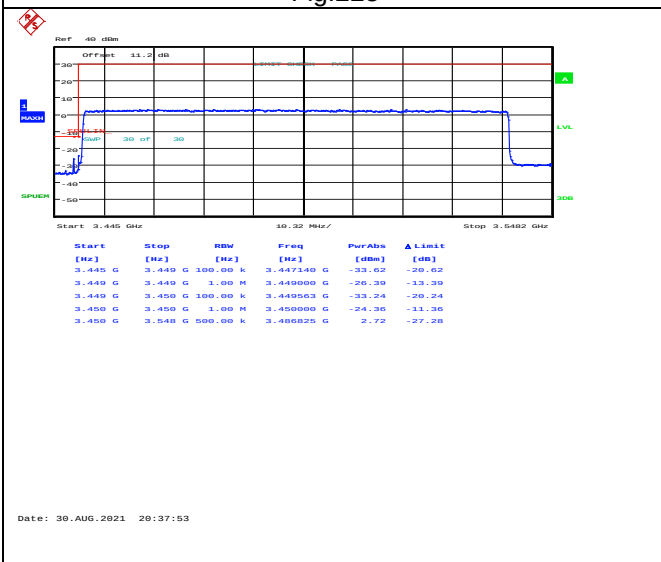


Fig.227

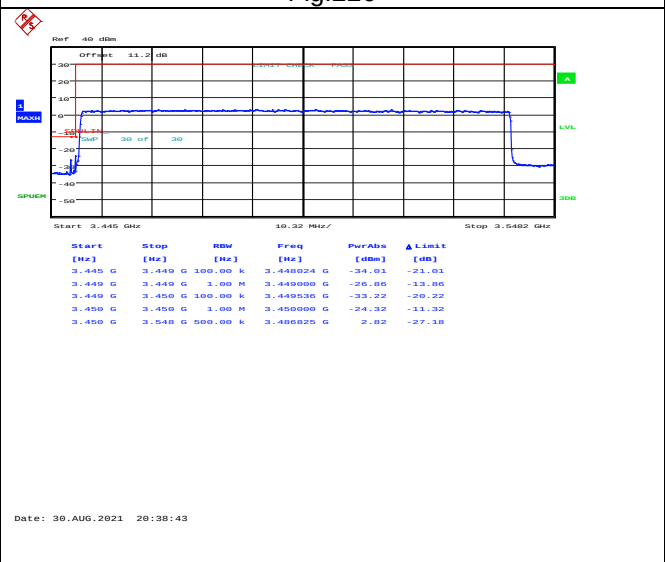


Fig.228

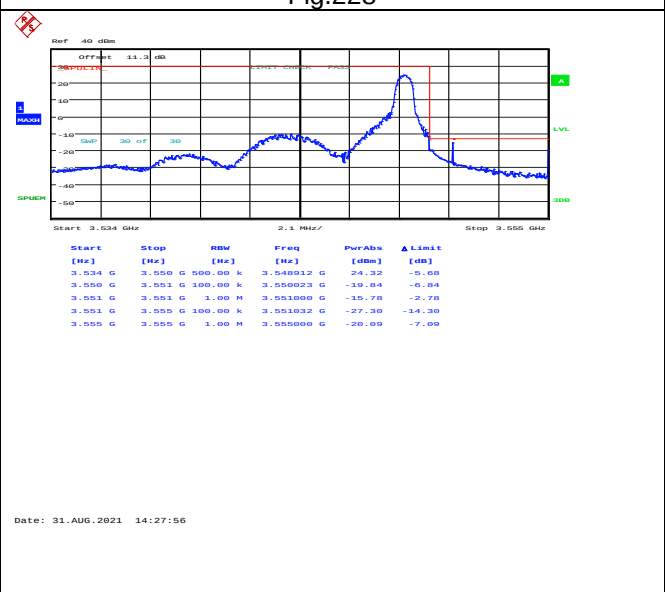
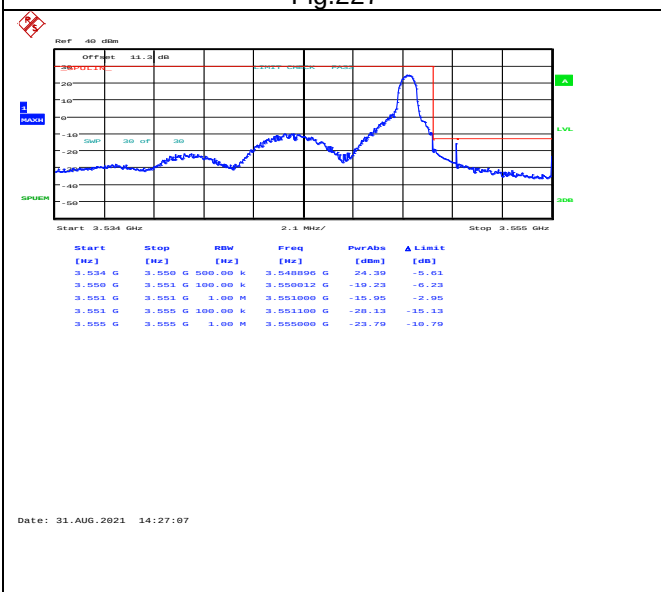


Fig.229

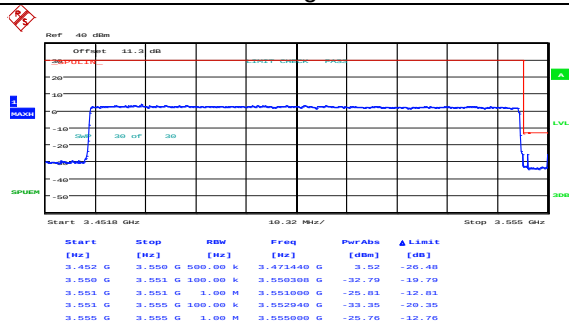


Fig.230

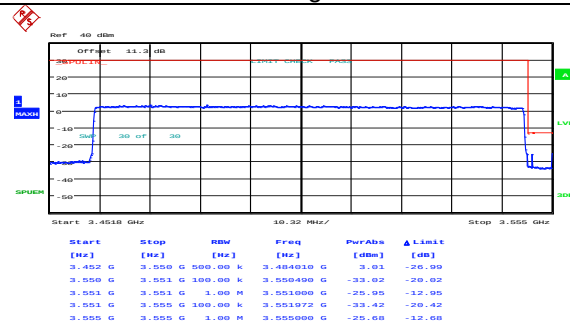


Fig.231

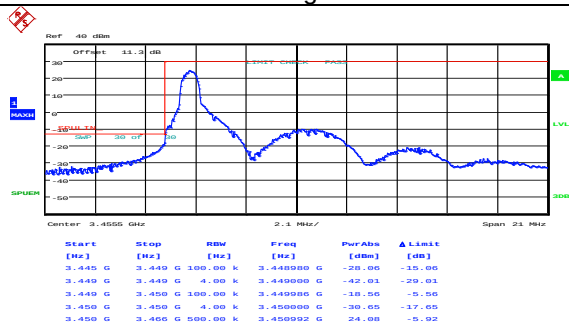


Fig.232

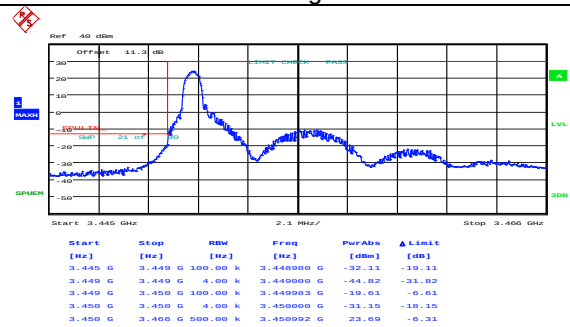


Fig.233

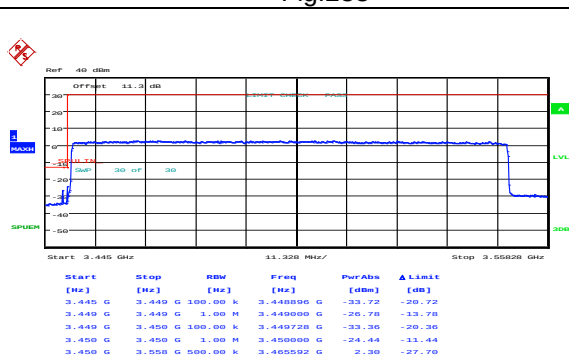


Fig.234

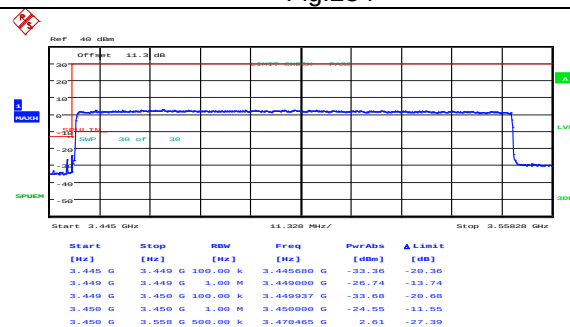


Fig.235

Fig.236

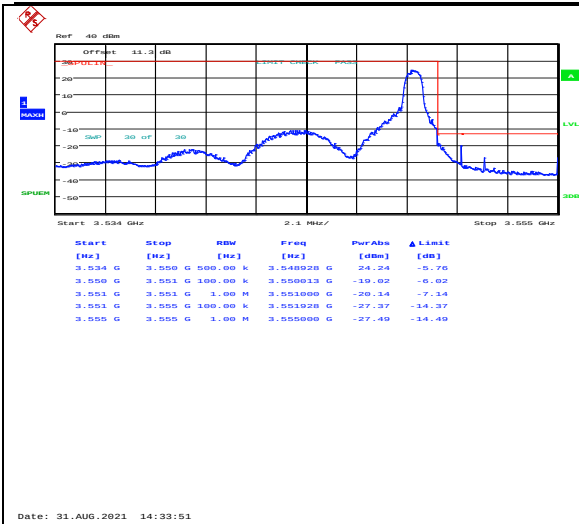


Fig.237

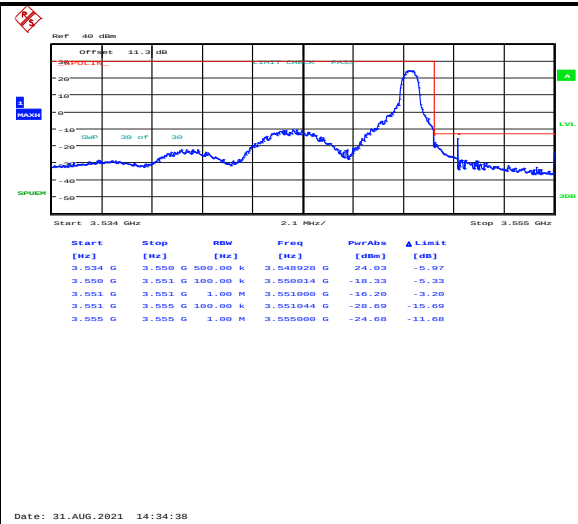


Fig.238

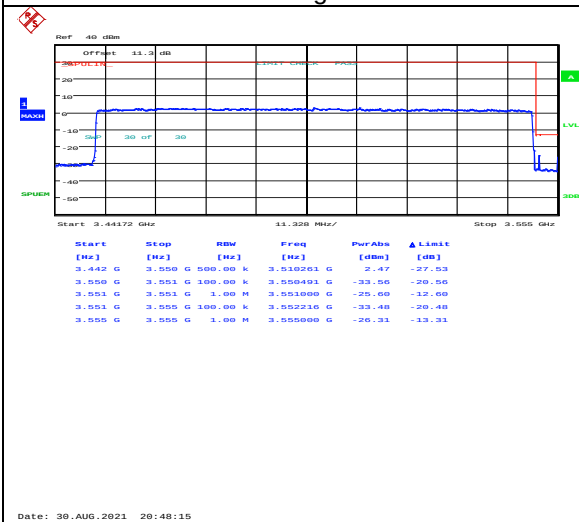


Fig.239

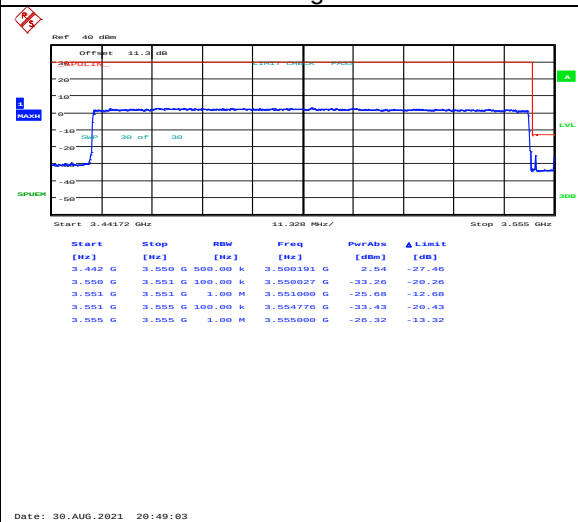


Fig.240

6 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) N77-3700-3980 Low Channel DFT-QPSK									
		10M	15M	20M	40M	50M	60M	70M	80M	90M	100M
-30	NV	---	---	---	---	---	---	---	---	---	0.00
-20	NV	---	---	---	---	---	---	---	---	---	0.00
-10	NV	---	---	---	---	---	---	---	---	---	0.00
0	NV	---	---	---	---	---	---	---	---	---	0.00
+10	NV	---	---	---	---	---	---	---	---	---	0.00
+20	NV	---	---	---	---	---	---	---	---	---	0.00
+30	NV	---	---	---	---	---	---	---	---	---	0.00
+40	NV	---	---	---	---	---	---	---	---	---	0.00
+50	NV	---	---	---	---	---	---	---	---	---	0.00
+20	LV	---	---	---	---	---	---	---	---	---	0.00
+20	HV	---	---	---	---	---	---	---	---	---	0.00

Temperature(°C)	Voltage	Test Result (ppm) N77-3700-3980 High Channel DFT-QPSK									
		10M	15M	20M	40M	50M	60M	70M	80M	90M	100M
-30	NV	---	---	---	---	---	---	---	---	---	0.00
-20	NV	---	---	---	---	---	---	---	---	---	0.00
-10	NV	---	---	---	---	---	---	---	---	---	0.00
0	NV	---	---	---	---	---	---	---	---	---	0.00
+10	NV	---	---	---	---	---	---	---	---	---	0.00
+20	NV	---	---	---	---	---	---	---	---	---	0.00
+30	NV	---	---	---	---	---	---	---	---	---	0.00
+40	NV	---	---	---	---	---	---	---	---	---	0.00
+50	NV	---	---	---	---	---	---	---	---	---	0.00
+20	LV	---	---	---	---	---	---	---	---	---	0.00
+20	HV	---	---	---	---	---	---	---	---	---	0.00

7 Effective Radiated Power and Effective Isotropic Radiated Power 3700-3980

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
DFT-QPSK	3705	647000	10	15kHz	Inner_1RB_Left	26.34	24.25	0.266
					Inner_1RB_Right	26.61	24.52	0.283
					Inner_Full	26.50	24.41	0.276
	3840	656000			Inner_1RB_Left	24.76	22.67	0.185
					Inner_1RB_Right	24.90	22.81	0.191
					Inner_Full	24.48	22.39	0.173
	3975	665000			Inner_1RB_Left	24.70	22.61	0.182
					Inner_1RB_Right	24.67	22.58	0.181
					Inner_Full	24.40	22.31	0.170
DFT-16QAM	3705	647000			Inner_1RB_Left	25.16	23.07	0.203
					Inner_1RB_Right	25.67	23.58	0.228
					Inner_Full	25.41	23.32	0.215
	3840	656000			Inner_1RB_Left	24.12	22.03	0.160
					Inner_1RB_Right	23.75	21.66	0.147
					Inner_Full	24.01	21.92	0.156
	3975	665000			Inner_1RB_Left	23.54	21.45	0.140
					Inner_1RB_Right	23.74	21.65	0.146
					Inner_Full	23.91	21.82	0.152
DFT-64QAM	3705	647000			Inner_1RB_Left	23.46	21.37	0.137
					Inner_1RB_Right	23.73	21.64	0.146
					Inner_Full	23.74	21.65	0.146
	3840	656000			Inner_1RB_Left	22.37	20.28	0.107
					Inner_1RB_Right	22.47	20.38	0.109
					Inner_Full	22.43	20.34	0.108
	3975	665000			Inner_1RB_Left	22.28	20.19	0.104
					Inner_1RB_Right	22.41	20.32	0.108
					Inner_Full	22.28	20.19	0.104
DFT-256QAM	3705	647000			Inner_1RB_Left	23.44	21.35	0.136
					Inner_1RB_Right	23.75	21.66	0.147
					Inner_Full	23.78	21.69	0.148
	3840	656000			Inner_1RB_Left	22.28	20.19	0.104
					Inner_1RB_Right	22.45	20.36	0.109
					Inner_Full	22.42	20.33	0.108
	3975	665000			Inner_1RB_Left	22.26	20.17	0.104
					Inner_1RB_Right	22.46	20.37	0.109
					Inner Full	22.28	20.19	0.104

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
CP-QPSK	3705	647000	10	15kHz	Inner_1RB_Left	26.36	24.27	0.267
					Inner_1RB_Right	26.56	24.47	0.280
					Inner_Full	26.56	24.47	0.280
	3840	656000			Inner_1RB_Left	24.69	22.6	0.182
					Inner_1RB_Right	24.84	22.75	0.188
					Inner_Full	24.52	22.43	0.175
	3975	665000			Inner_1RB_Left	24.52	22.43	0.175
					Inner_1RB_Right	24.71	22.62	0.183
					Inner_Full	24.38	22.29	0.169
CP-16QAM	3705	647000			Inner_1RB_Left	25.46	23.37	0.217
					Inner_1RB_Right	25.75	23.66	0.232
					Inner_Full	25.73	23.64	0.231
	3840	656000			Inner_1RB_Left	24.09	22	0.158
					Inner_1RB_Right	24.27	22.18	0.165
					Inner_Full	24.01	21.92	0.156
	3975	665000			Inner_1RB_Left	23.54	21.45	0.140
					Inner_1RB_Right	23.83	21.74	0.149
					Inner_Full	23.87	21.78	0.151
CP-64QAM	3705	647000			Inner_1RB_Left	23.84	21.75	0.150
					Inner_1RB_Right	24.09	22	0.158
					Inner_Full	23.77	21.68	0.147
	3840	656000			Inner_1RB_Left	22.27	20.18	0.104
					Inner_1RB_Right	22.53	20.44	0.111
					Inner_Full	22.32	20.23	0.105
	3975	665000			Inner_1RB_Left	22.31	20.22	0.105
					Inner_1RB_Right	22.40	20.31	0.107
					Inner_Full	22.26	20.17	0.104
CP-256QAM	3705	647000			Inner_1RB_Left	23.46	21.37	0.137
					Inner_1RB_Right	24.08	21.99	0.158
					Inner_Full	23.75	21.66	0.147
	3840	656000			Inner_1RB_Left	22.47	20.38	0.109
					Inner_1RB_Right	22.40	20.31	0.107
					Inner_Full	22.34	20.25	0.106
	3975	665000			Inner_1RB_Left	22.33	20.24	0.106
					Inner_1RB_Right	22.44	20.35	0.108
					Inner_Full	22.19	20.1	0.102

Modulation	Carrier frequency (MHz)	UL Channel	BW	SCS	RB Config	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
DFT-QPSK	3707.52	647168	15	15kHz	Inner_1RB_Left	26.38	24.29	0.269
					Inner_1RB_Right	26.76	24.67	0.293
					Inner_Full	26.70	24.61	0.289
	3840	656000			Inner_1RB_Left	26.20	24.11	0.258
					Inner_1RB_Right	26.32	24.23	0.265
					Inner_Full	26.33	24.24	0.265
	3972.48	664832			Inner_1RB_Left	25.93	23.84	0.242
					Inner_1RB_Right	26.11	24.02	0.252
					Inner_Full	26.23	24.14	0.259
DFT-16QAM	3707.52	647168			Inner_1RB_Left	25.29	23.2	0.209
					Inner_1RB_Right	25.90	23.81	0.240
					Inner_Full	25.70	23.61	0.230
	3840	656000			Inner_1RB_Left	24.96	22.87	0.194
					Inner_1RB_Right	25.14	23.05	0.202
					Inner_Full	25.17	23.08	0.203
	3972.48	664832			Inner_1RB_Left	24.70	22.61	0.182
					Inner_1RB_Right	24.97	22.88	0.194
					Inner_Full	25.02	22.93	0.196
DFT-64QAM	3707.52	647168			Inner_1RB_Left	23.63	21.54	0.143
					Inner_1RB_Right	23.89	21.8	0.151
					Inner_Full	23.96	21.87	0.154
	3840	656000			Inner_1RB_Left	23.29	21.2	0.132
					Inner_1RB_Right	23.48	21.39	0.138
					Inner_Full	23.63	21.54	0.143
	3972.48	664832			Inner_1RB_Left	23.24	21.15	0.130
					Inner_1RB_Right	23.22	21.13	0.130
					Inner_Full	23.44	21.35	0.136
DFT-256QAM	3707.52	647168			Inner_1RB_Left	23.61	21.52	0.142
					Inner_1RB_Right	24.14	22.05	0.160
					Inner_Full	23.95	21.86	0.153
	3840	656000			Inner_1RB_Left	23.31	21.22	0.132
					Inner_1RB_Right	23.45	21.36	0.137
					Inner_Full	23.57	21.48	0.141
	3972.48	664832			Inner_1RB_Left	23.25	21.16	0.131
					Inner_1RB_Right	23.32	21.23	0.133
					Inner Full	23.45	21.36	0.137