

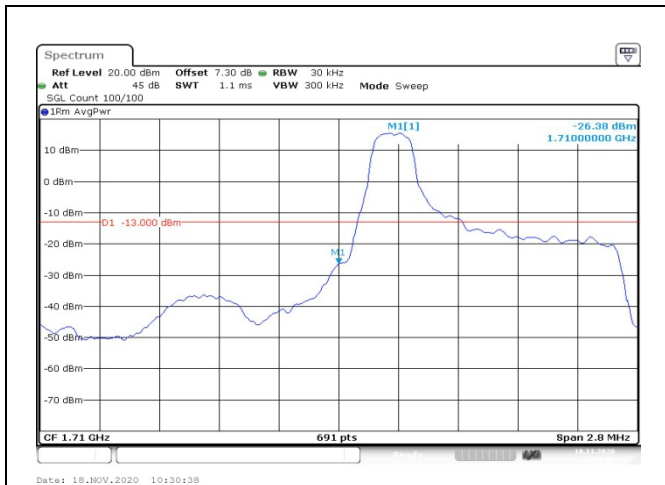


Fig.1

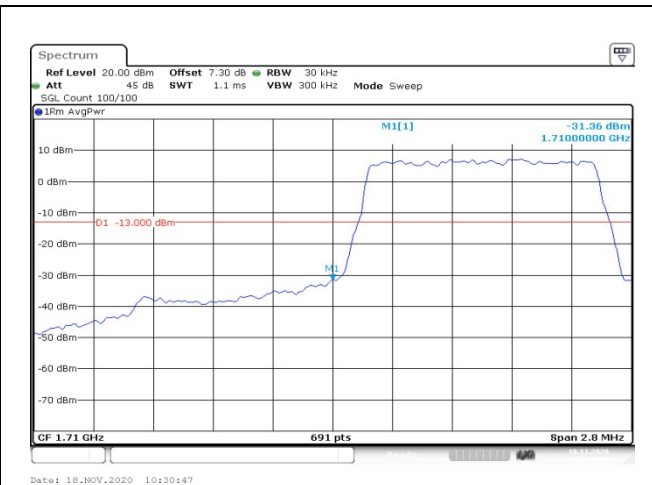


Fig.2

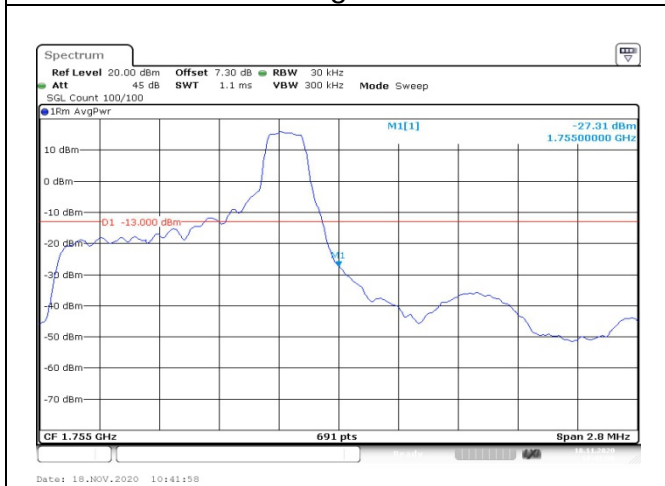


Fig.3

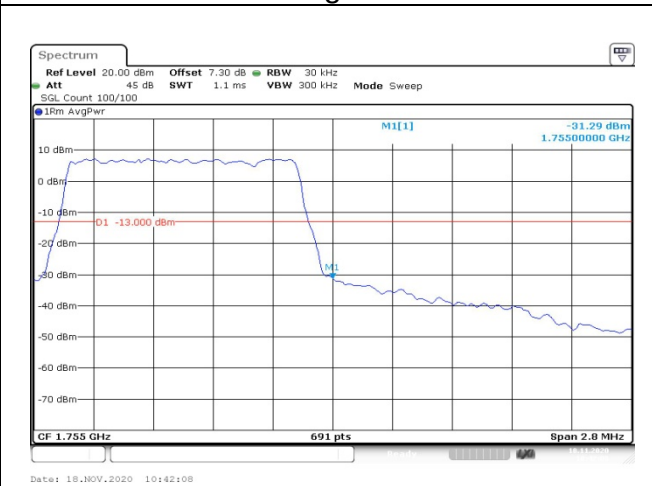


Fig.4

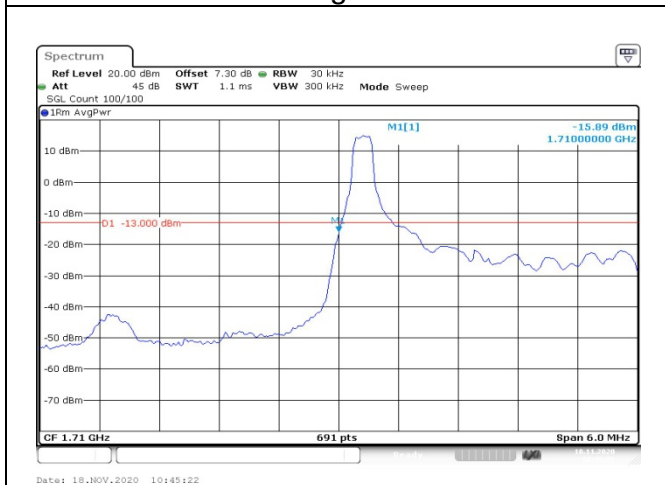


Fig.5

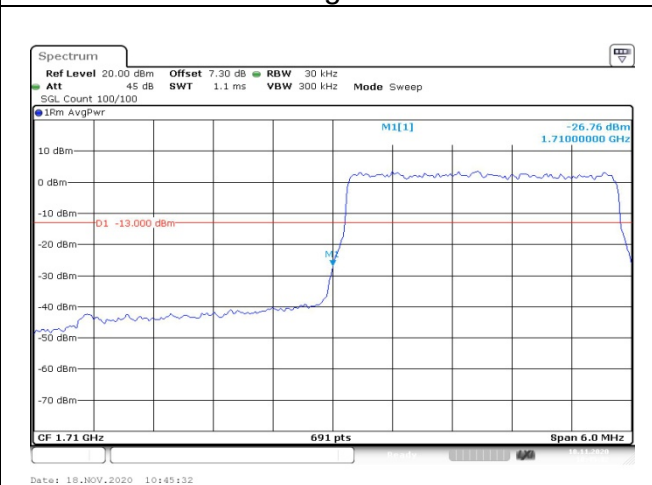


Fig.6

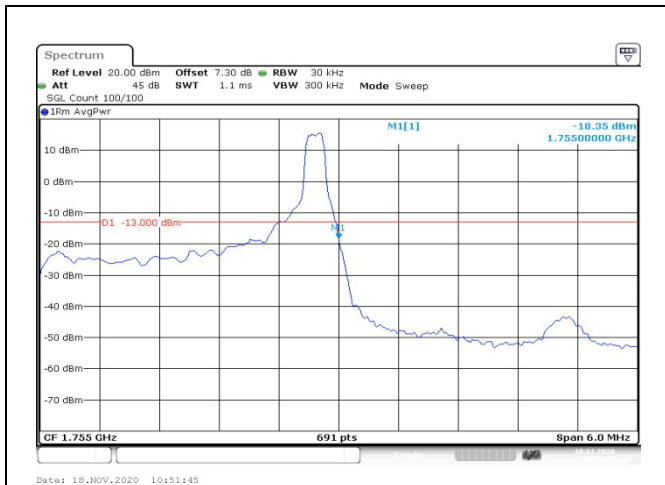


Fig.7

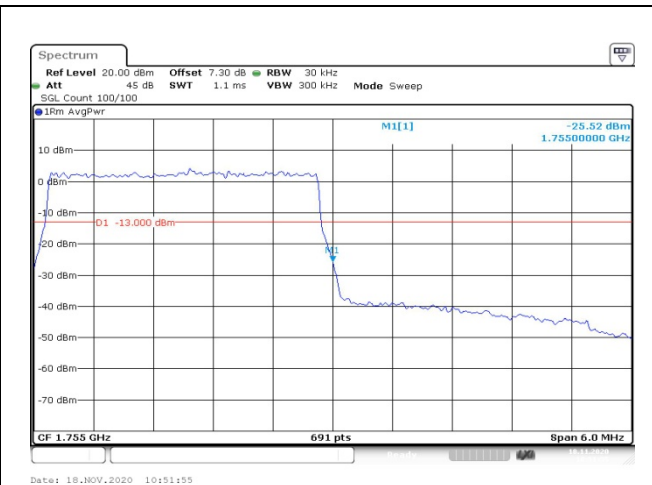


Fig.8

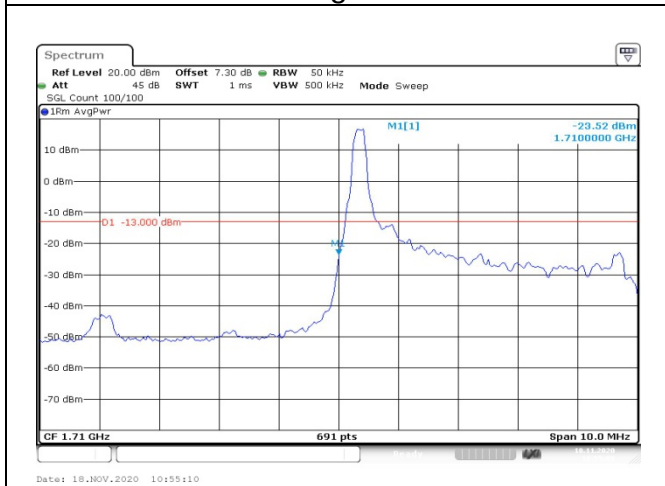


Fig.9

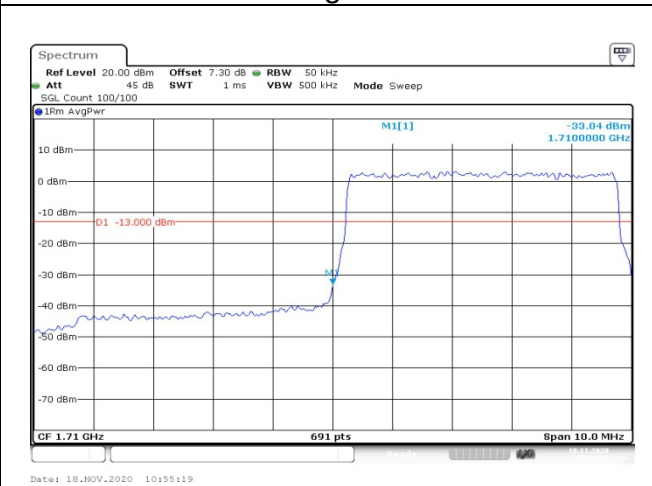


Fig.10

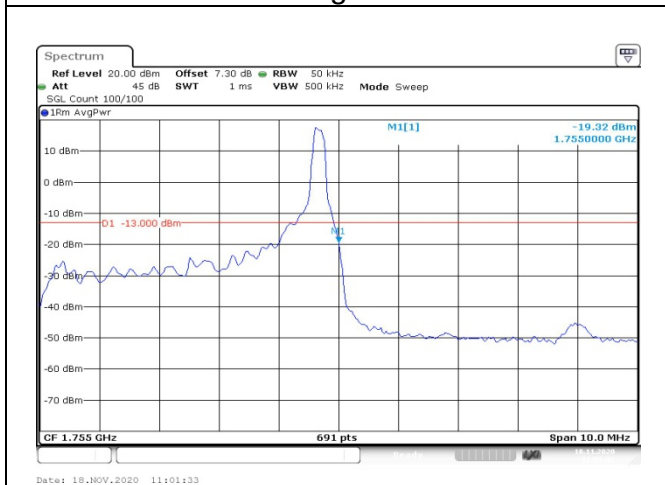


Fig.11

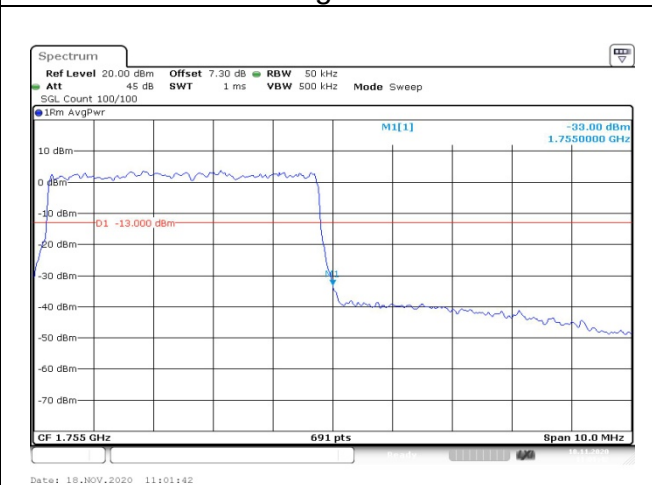


Fig.12

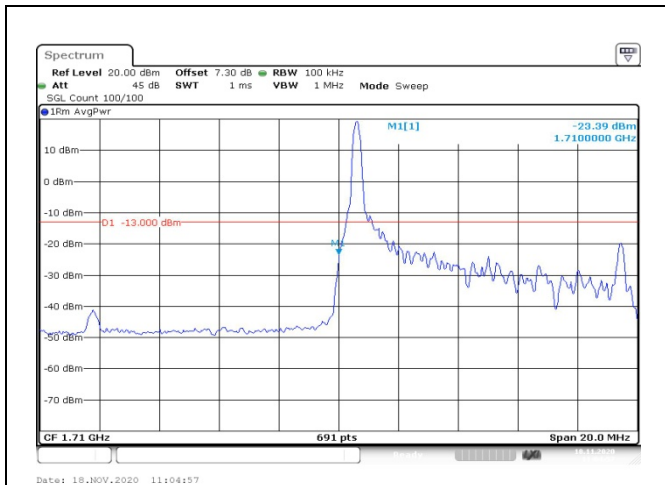


Fig.13

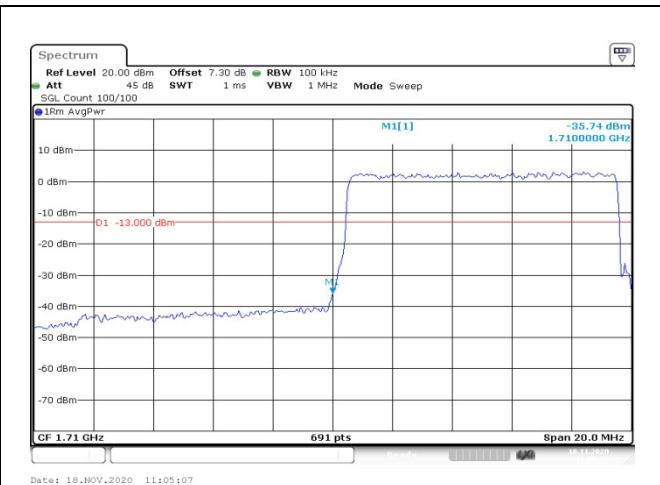


Fig.14

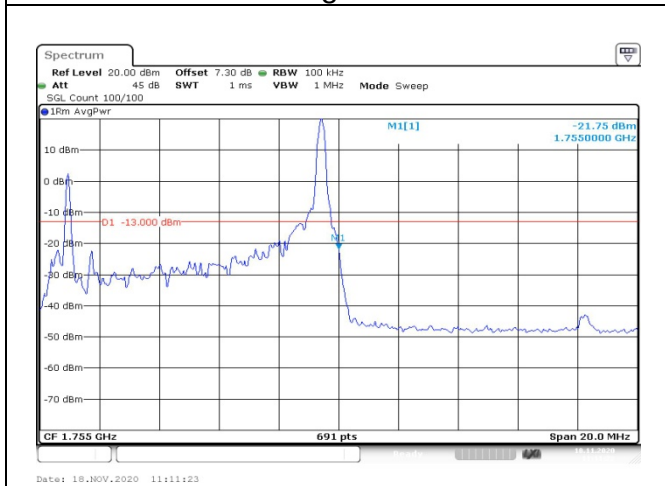


Fig.15

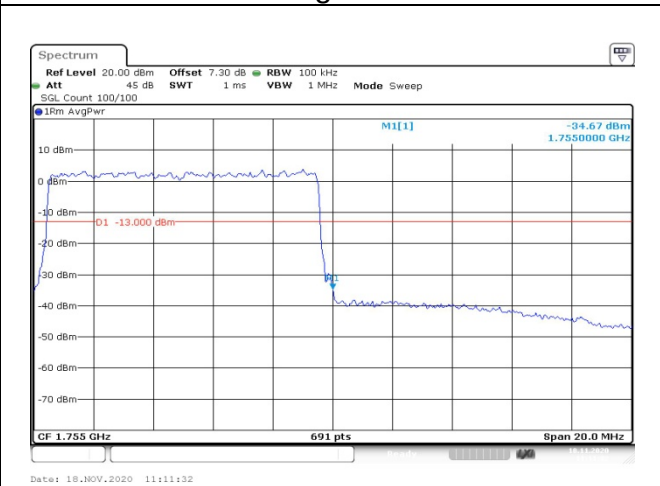


Fig.16

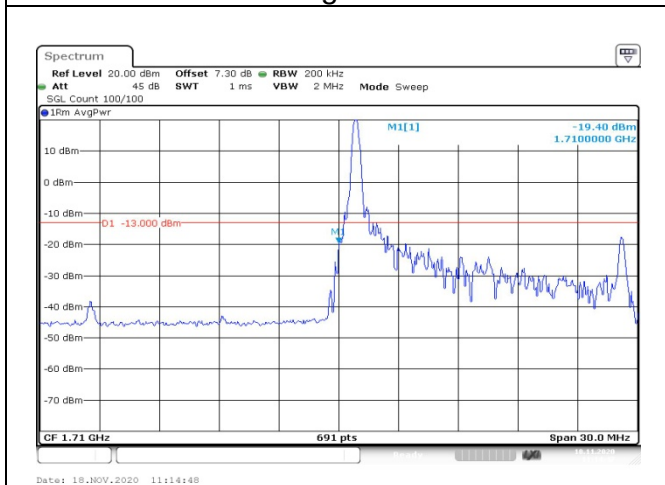


Fig.17

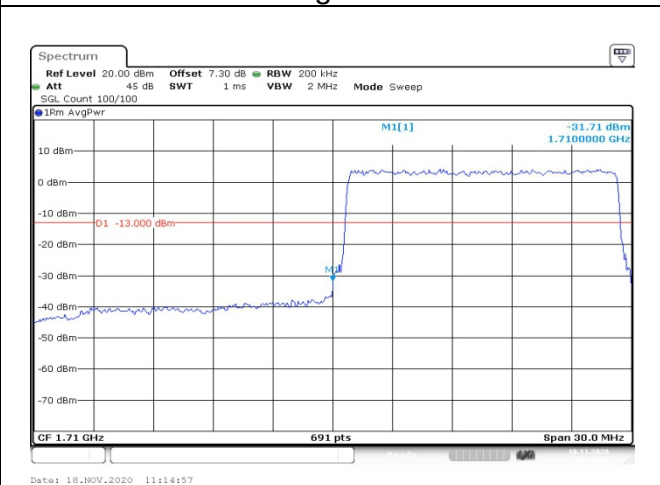


Fig.18

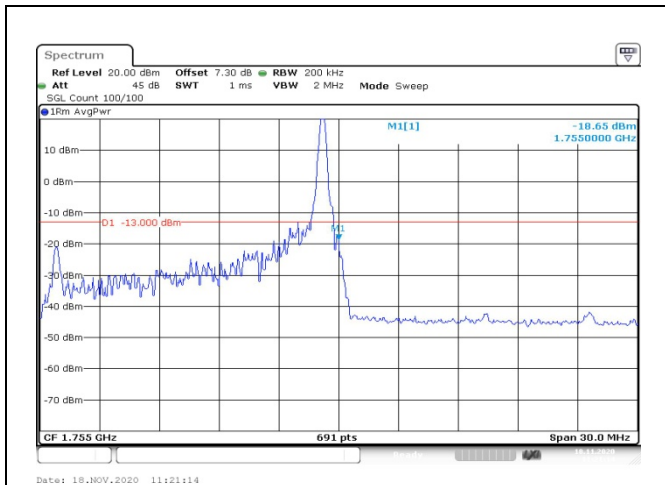


Fig.19

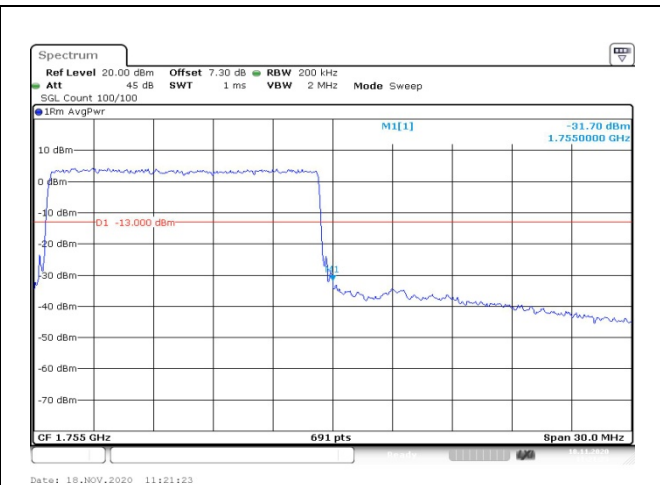


Fig.20

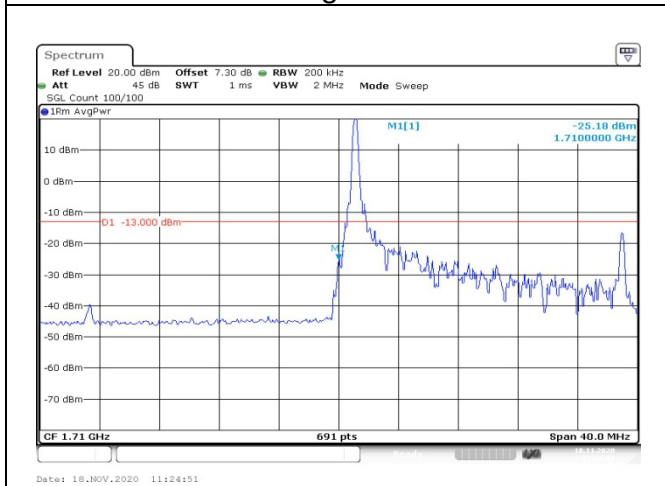


Fig.21

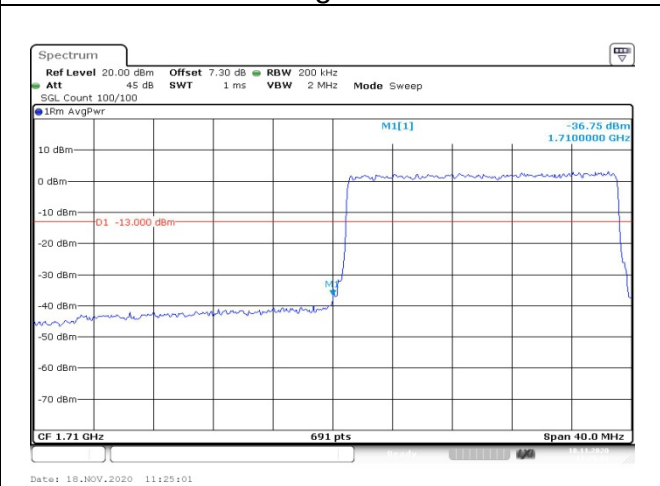


Fig.22

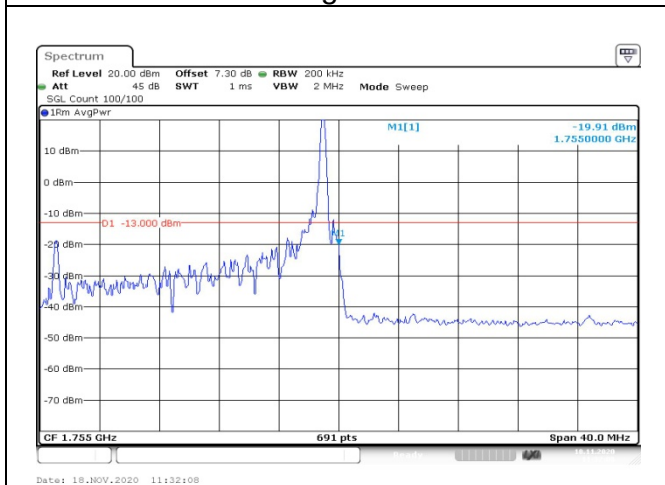


Fig.23

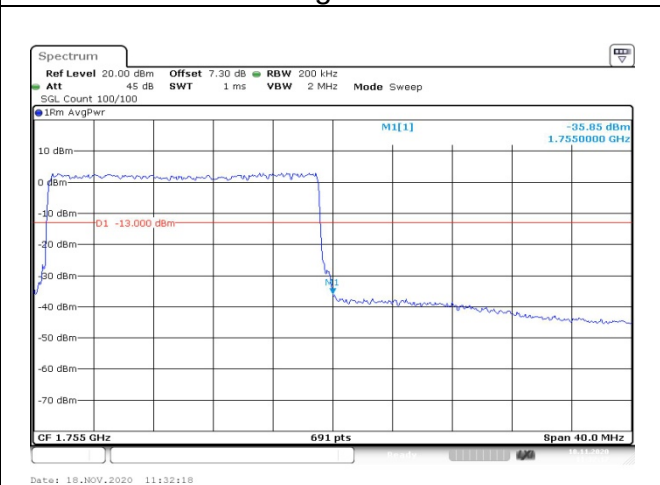


Fig.24

Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band4 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
0	NV	-0.014	-0.014	-0.009	-0.021	-0.013	-0.021
+10	NV	-0.030	-0.004	0.000	-0.017	0.002	-0.022
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	-0.026	-0.005	-0.005	-0.003	-0.002	-0.020
+40	NV	-0.011	-0.008	0.008	-0.002	0.001	-0.016
+50	NV	-0.020	-0.003	-0.011	-0.015	0.017	-0.023
+20	LV	-0.024	-0.005	0.004	-0.004	0.001	-0.027
+20	HV	-0.024	-0.005	0.004	-0.004	0.001	-0.027

Temperature(°C)	Voltage	Test Result (ppm) Band4 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
0	NV	-0.007	-0.003	-0.004	0.004	-0.003	0.008
+10	NV	-0.013	-0.009	0.009	0.000	-0.007	-0.006
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	0.011	-0.012	0.007	-0.012	-0.009	0.008
+40	NV	0.013	0.007	0.009	-0.010	-0.011	-0.008
+50	NV	0.008	0.002	0.008	-0.010	-0.006	-0.014
+20	LV	-0.001	0.001	0.005	-0.006	-0.020	0.010
+20	HV	-0.001	0.001	0.005	-0.006	-0.020	0.010

Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
QPSK	1710.7	19957	1.4	1	0	22.48	21.85	0.153	
				1	3	22.49	21.86	0.153	
				1	5	22.55	21.92	0.156	
				3	0	22.46	21.83	0.152	
				3	1	22.46	21.83	0.152	
				3	3	22.60	21.97	0.157	
	6	0		21.46	20.83	0.121			
	1732.5	20175		1	0	22.15	21.52	0.142	
				1	3	22.21	21.58	0.144	
				1	5	22.20	21.57	0.144	
				3	0	21.61	20.98	0.125	
				3	1	21.64	21.01	0.126	
				3	3	21.63	21.00	0.126	
	6	0		20.70	20.07	0.102			
	1754.3	20393		1	0	22.44	21.81	0.152	
				1	3	22.47	21.84	0.153	
				1	5	22.54	21.91	0.155	
				3	0	22.45	21.82	0.152	
				3	1	22.44	21.81	0.152	
				3	3	22.56	21.93	0.156	
	6	0		21.45	20.82	0.121			
	16QAM	1710.7		19957	1	0	22.10	21.47	0.140
					1	3	22.09	21.46	0.140
					1	5	22.22	21.59	0.144
3					0	21.54	20.91	0.123	
3					1	21.50	20.87	0.122	
3					3	21.61	20.98	0.125	
6		0		20.42	19.79	0.095			
1732.5		20175		1	0	22.37	21.74	0.149	
				1	3	22.45	21.82	0.152	
			1	5	22.41	21.78	0.151		
			3	0	21.58	20.95	0.124		
			3	1	21.65	21.02	0.126		
			3	3	21.63	21.00	0.126		
6		0	20.57	19.94	0.099				
1754.3		20393	1	0	22.18	21.55	0.143		
			1	3	22.15	21.52	0.142		
			1	5	22.27	21.64	0.146		
			3	0	21.63	21.00	0.126		
			3	1	21.56	20.93	0.124		
			3	3	21.67	21.04	0.127		
6		0	20.46	19.83	0.096				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
QPSK	1711.5	19965	3	1	0	22.40	21.77	0.150	
				1	8	22.43	21.80	0.151	
				1	14	22.42	21.79	0.151	
				8	0	21.47	20.84	0.121	
				8	4	21.45	20.82	0.121	
				8	7	21.43	20.80	0.120	
				15	0	21.45	20.82	0.121	
	1732.5	20175		1	0	22.48	21.85	0.153	
				1	8	22.54	21.91	0.155	
				1	14	22.52	21.89	0.155	
				8	0	21.41	20.78	0.120	
				8	4	21.51	20.88	0.122	
				8	7	21.51	20.88	0.122	
				15	0	21.53	20.90	0.123	
	1753.5	20385		1	0	22.62	21.99	0.158	
				1	8	22.62	21.99	0.158	
				1	14	22.57	21.94	0.156	
				8	0	21.44	20.81	0.121	
				8	4	21.47	20.84	0.121	
				8	7	21.48	20.85	0.122	
				15	0	21.45	20.82	0.121	
	16QAM	1711.5		19965	1	0	21.74	21.11	0.129
					1	8	21.70	21.07	0.128
					1	14	21.70	21.07	0.128
8					0	20.77	20.14	0.103	
8					4	20.76	20.13	0.103	
8					7	20.76	20.13	0.103	
15					0	20.66	20.03	0.101	
1732.5		20175	1	0	22.18	21.55	0.143		
			1	8	22.29	21.66	0.147		
			1	14	22.28	21.65	0.146		
			8	0	20.66	20.03	0.101		
			8	4	20.65	20.02	0.100		
			8	7	20.66	20.03	0.101		
			15	0	20.52	19.89	0.097		
1753.5		20385	1	0	21.63	21.00	0.126		
			1	8	21.73	21.10	0.129		
			1	14	21.69	21.06	0.128		
			8	0	20.89	20.26	0.106		
			8	4	20.87	20.24	0.106		
			8	7	20.83	20.20	0.105		
15	0	20.66	20.03	0.101					

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1712.5	19975	5	1	0	22.42	21.79	0.151
				1	12	22.48	21.85	0.153
				1	24	22.59	21.96	0.157
				12	0	21.59	20.96	0.125
				12	7	21.57	20.94	0.124
				12	13	21.56	20.93	0.124
				25	0	21.59	20.96	0.125
	1732.5	20175		1	0	22.57	21.94	0.156
				1	12	22.56	21.93	0.156
				1	24	22.55	21.92	0.156
				12	0	21.49	20.86	0.122
				12	7	21.43	20.80	0.120
				12	13	21.44	20.81	0.121
				25	0	21.48	20.85	0.122
	1752.5	20375		1	0	22.41	21.78	0.151
				1	12	22.36	21.73	0.149
				1	24	22.35	21.72	0.149
				12	0	21.54	20.91	0.123
				12	7	21.53	20.90	0.123
				12	13	21.52	20.89	0.123
				25	0	21.52	20.89	0.123
16QAM	1712.5	19975	1	0	20.89	20.26	0.106	
			1	12	20.72	20.09	0.102	
			1	24	20.85	20.22	0.105	
			12	0	20.83	20.20	0.105	
			12	7	20.72	20.09	0.102	
			12	13	20.50	19.87	0.097	
			25	0	20.88	20.25	0.106	
	1732.5	20175	1	0	21.45	20.82	0.121	
			1	12	21.55	20.92	0.124	
			1	24	21.59	20.96	0.125	
			12	0	20.51	19.88	0.097	
			12	7	20.47	19.84	0.096	
			12	13	20.49	19.86	0.097	
			25	0	20.48	19.85	0.097	
	1752.5	20375	1	0	21.09	20.46	0.111	
			1	12	21.12	20.49	0.112	
			1	24	21.12	20.49	0.112	
			12	0	20.37	19.74	0.094	
			12	7	20.53	19.90	0.098	
			12	13	20.40	19.77	0.095	
			25	0	20.47	19.84	0.096	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
QPSK	1715	20000	10	1	0	22.53	21.90	0.155
				1	25	22.52	21.89	0.155
				1	49	22.52	21.89	0.155
				25	0	21.58	20.95	0.124
				25	12	21.63	21.00	0.126
				25	25	21.62	20.99	0.126
				50	0	21.54	20.91	0.123
	1732.5	20175		1	0	22.53	21.90	0.155
				1	25	22.51	21.88	0.154
				1	49	22.50	21.87	0.154
				25	0	21.55	20.92	0.124
				25	12	21.39	20.76	0.119
				25	25	21.40	20.77	0.119
				50	0	21.45	20.82	0.121
	1750	20350		1	0	22.83	22.20	0.166
				1	25	22.69	22.06	0.161
				1	49	22.60	21.97	0.157
				25	0	21.47	20.84	0.121
				25	12	21.53	20.90	0.123
				25	25	21.53	20.90	0.123
				50	0	21.50	20.87	0.122
16QAM	1715	20000	1	0	21.99	21.36	0.137	
			1	25	21.97	21.34	0.136	
			1	49	21.96	21.33	0.136	
			25	0	20.64	20.01	0.100	
			25	12	20.69	20.06	0.101	
			25	25	20.70	20.07	0.102	
			50	0	21.09	20.46	0.111	
	1732.5	20175	1	0	22.38	21.75	0.150	
			1	25	22.27	21.64	0.146	
			1	49	22.27	21.64	0.146	
			25	0	20.65	20.02	0.100	
			25	12	20.60	19.97	0.099	
			25	25	20.56	19.93	0.098	
			50	0	20.60	19.97	0.099	
	1750	20350	1	0	21.28	20.65	0.116	
			1	25	21.18	20.55	0.114	
			1	49	21.19	20.56	0.114	
			25	0	20.71	20.08	0.102	
			25	12	20.65	20.02	0.100	
			25	25	20.65	20.02	0.100	
			50	0	20.67	20.04	0.101	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
QPSK	1717.5	20025	15	1	0	22.47	21.84	0.153
				1	37	22.47	21.84	0.153
				1	74	22.47	21.84	0.153
				36	0	21.58	20.95	0.124
				36	29	21.44	20.81	0.121
				36	30	21.45	20.82	0.121
				75	0	21.65	21.02	0.126
	1732.5	20175		1	0	22.54	21.91	0.155
				1	37	22.58	21.95	0.157
				1	74	22.57	21.94	0.156
				36	0	21.50	20.87	0.122
				36	29	21.54	20.91	0.123
				36	30	21.54	20.91	0.123
				75	0	21.60	20.97	0.125
	1747.5	20325		1	0	22.70	22.07	0.161
				1	37	22.68	22.05	0.160
				1	74	22.67	22.04	0.160
				36	0	21.55	20.92	0.124
				36	29	21.57	20.94	0.124
				36	30	21.57	20.94	0.124
				75	0	21.51	20.88	0.122
16QAM	1717.5	20025	1	0	22.02	21.39	0.138	
			1	37	22.03	21.40	0.138	
			1	74	22.03	21.40	0.138	
			36	0	21.01	20.38	0.109	
			36	29	20.59	19.96	0.099	
			36	30	20.59	19.96	0.099	
			75	0	20.73	20.10	0.102	
	1732.5	20175	1	0	22.40	21.77	0.150	
			1	37	22.31	21.68	0.147	
			1	74	22.31	21.68	0.147	
			36	0	20.59	19.96	0.099	
			36	29	20.57	19.94	0.099	
			36	30	20.58	19.95	0.099	
			75	0	20.65	20.02	0.100	
	1747.5	20325	1	0	22.02	21.39	0.138	
			1	37	21.91	21.28	0.134	
			1	74	21.83	21.20	0.132	
			36	0	20.76	20.13	0.103	
			36	29	20.58	19.95	0.099	
			36	30	20.58	19.95	0.099	
			75	0	20.55	19.92	0.098	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1720	20050	20	1	0	22.47	21.84	0.153
				1	49	22.47	21.84	0.153
				1	99	22.47	21.84	0.153
				50	0	21.58	20.95	0.124
				50	24	21.44	20.81	0.121
				50	50	21.45	20.82	0.121
				100	0	21.65	21.02	0.126
	1732.5	20175		1	0	22.72	22.09	0.162
				1	49	22.68	22.05	0.160
				1	99	22.66	22.03	0.160
				50	0	21.60	20.97	0.125
				50	24	21.48	20.85	0.122
				50	50	21.47	20.84	0.121
				100	0	21.57	20.94	0.124
	1745	20300		1	0	22.64	22.01	0.159
				1	49	22.66	22.03	0.160
				1	99	22.59	21.96	0.157
				50	0	21.51	20.88	0.122
				50	24	21.51	20.88	0.122
				50	50	21.51	20.88	0.122
				100	0	21.55	20.92	0.124
16QAM	1720	20050	1	0	21.60	20.97	0.125	
			1	49	21.57	20.94	0.124	
			1	99	21.54	20.91	0.123	
			50	0	21.19	20.56	0.114	
			50	24	20.69	20.06	0.101	
			50	50	20.68	20.05	0.101	
			100	0	20.67	20.04	0.101	
	1732.5	20175	1	0	21.77	21.14	0.130	
			1	49	21.70	21.07	0.128	
			1	99	21.69	21.06	0.128	
			50	0	20.59	19.96	0.099	
			50	24	20.59	19.96	0.099	
			50	50	20.59	19.96	0.099	
			100	0	20.66	20.03	0.101	
	1745	20300	1	0	22.39	21.76	0.150	
			1	49	22.40	21.77	0.150	
			1	99	22.34	21.71	0.148	
			50	0	20.73	20.10	0.102	
			50	24	20.79	20.16	0.104	
			50	50	20.79	20.16	0.104	
			100	0	20.64	20.01	0.100	