

### 5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
2	1860	18700	20	1	99	Fig.1
	1880	18900		1	99	Fig.2
	1900	19100		1	99	Fig.3

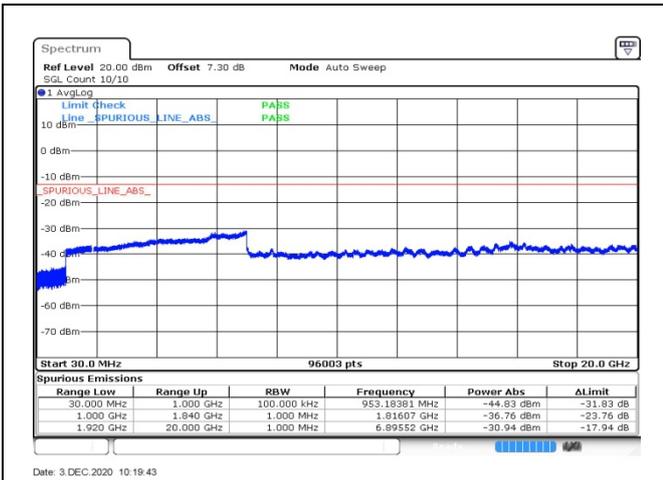


Fig.1

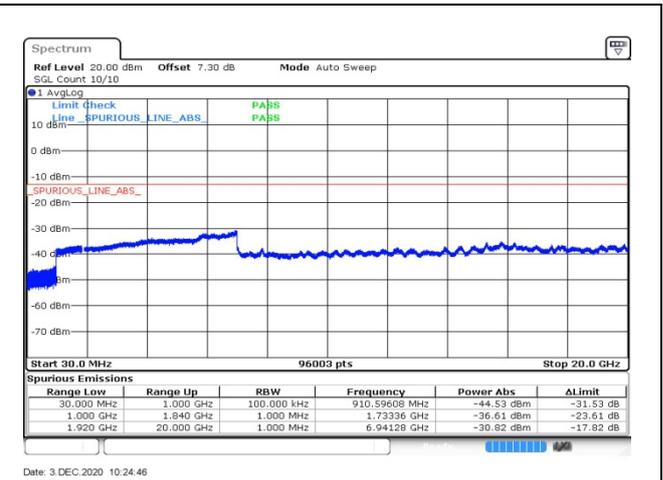


Fig.2

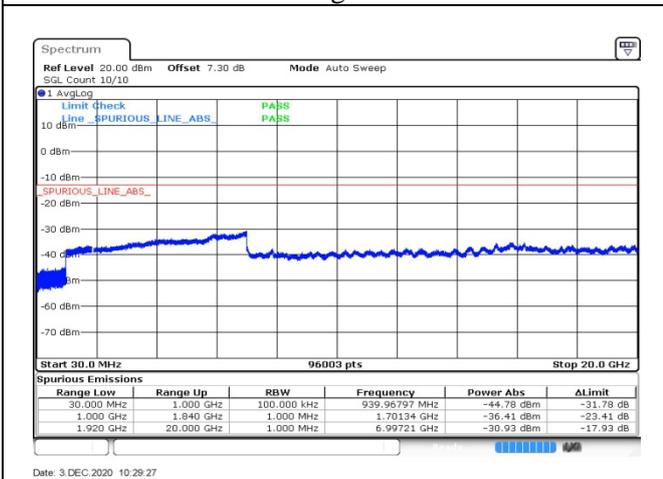


Fig.3

## 6 Band Edges Compliance

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
2	1850.7	18607	1.4	1	0	Fig.1
				6	0	Fig.2
	1909.3	19193		1	5	Fig.3
				6	0	Fig.4
	1851.5	18615	3	1	0	Fig.5
				15	0	Fig.6
	1908.5	19185		1	14	Fig.7
				15	0	Fig.8
	1852.5	18625	5	1	0	Fig.9
				25	0	Fig.10
	1907.5	19175		1	24	Fig.11
				25	0	Fig.12
	1855	18650	10	1	0	Fig.13
				50	0	Fig.14
	1905	19150		1	49	Fig.15
				50	0	Fig.16
	1857.5	18675	15	1	0	Fig.17
				75	0	Fig.18
	1902.5	19125		1	74	Fig.19
				75	0	Fig.20
	1860	18700	20	1	0	Fig.21
				100	0	Fig.22
	1900	19100		1	99	Fig.23
				100	0	Fig.24

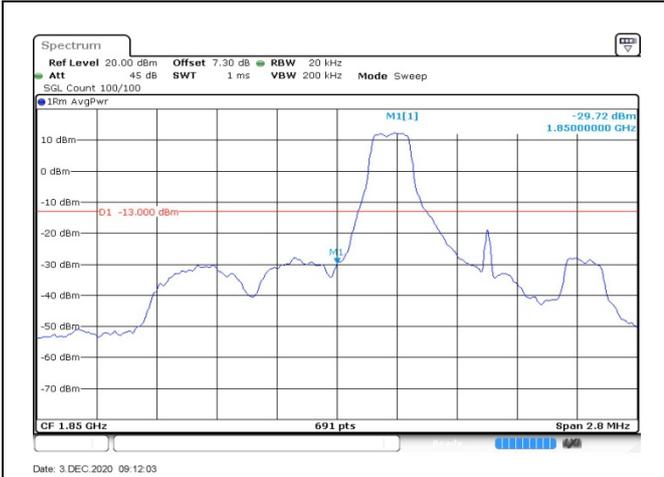


Fig.1

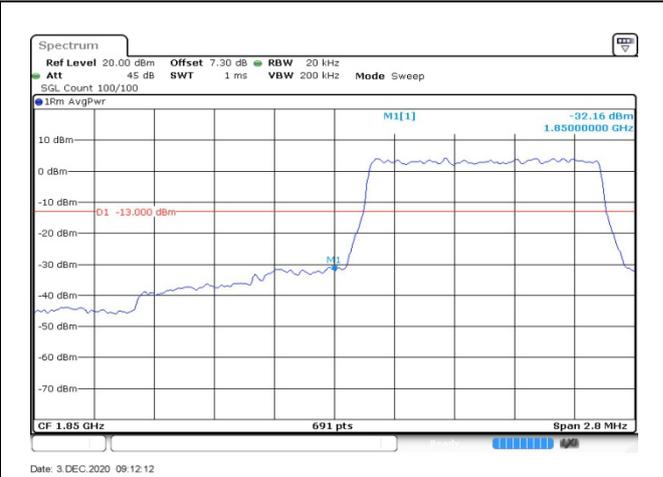


Fig.2

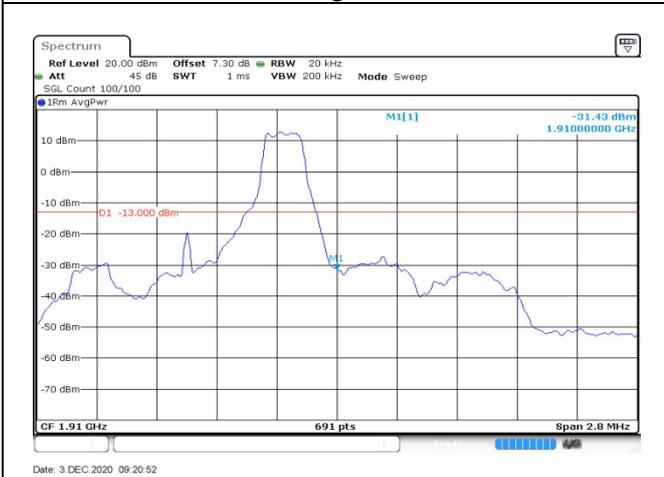


Fig.3



Fig.4

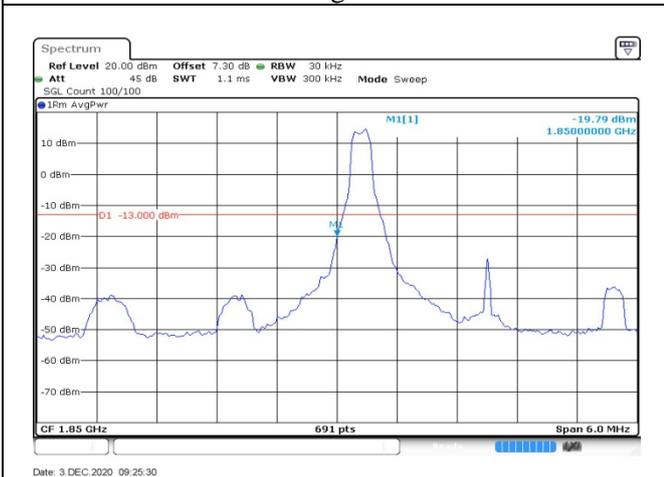


Fig.5

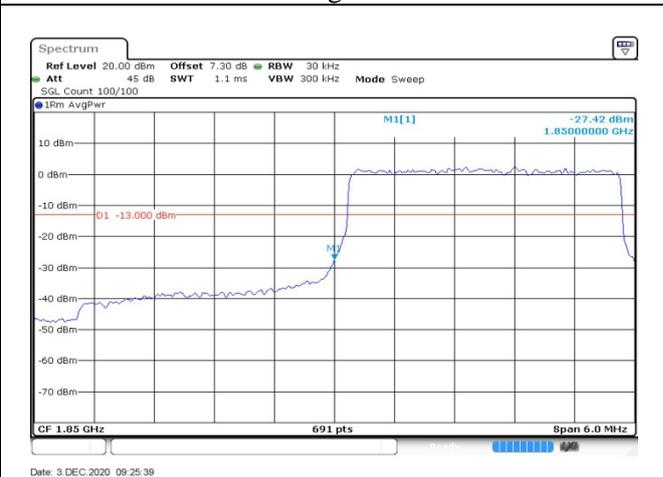


Fig.6

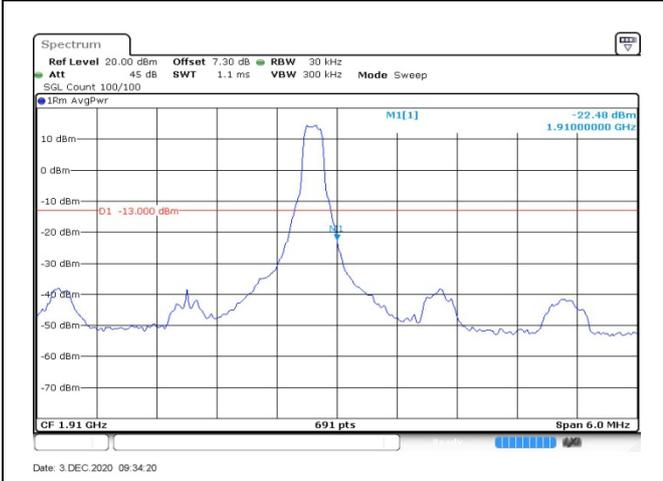


Fig.7



Fig.8

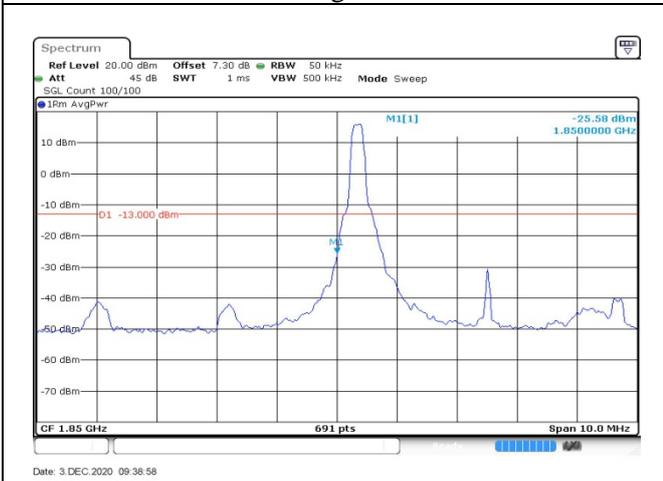


Fig.9

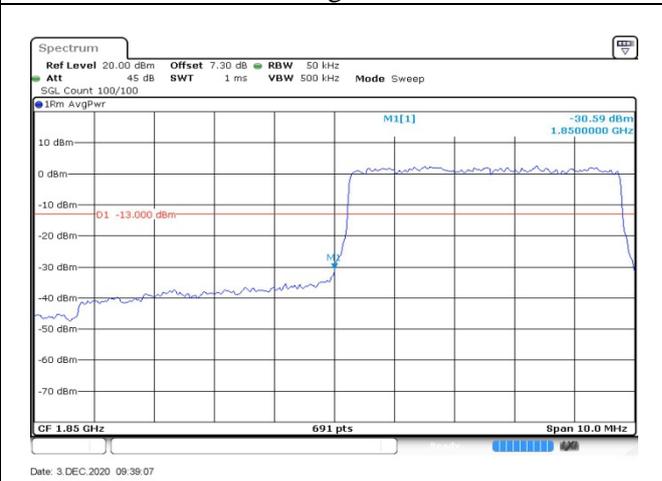


Fig.10

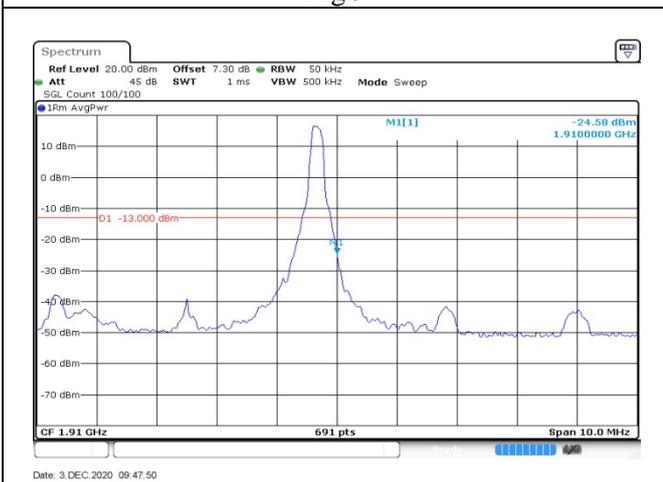


Fig.11

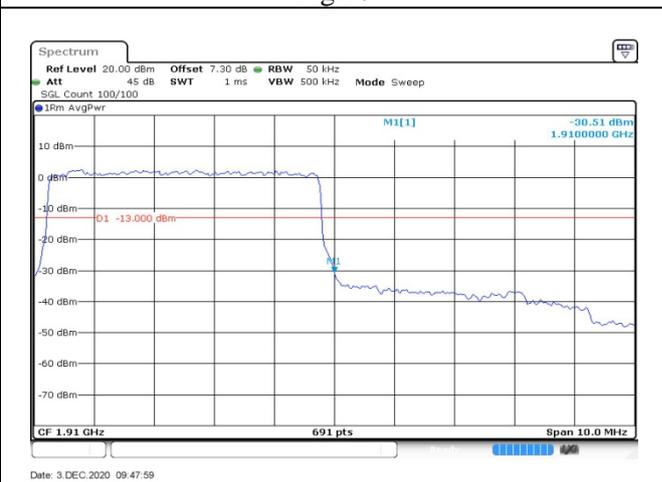


Fig.12

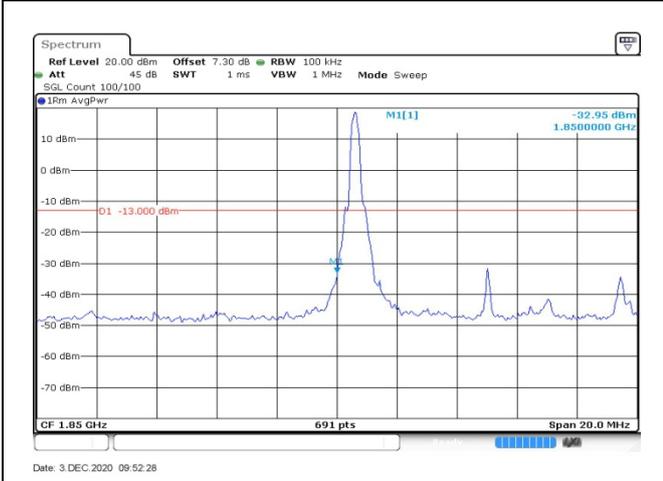


Fig.13

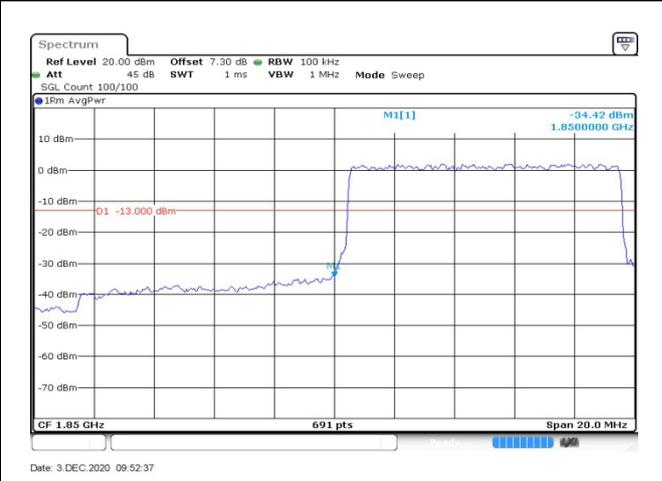


Fig.14

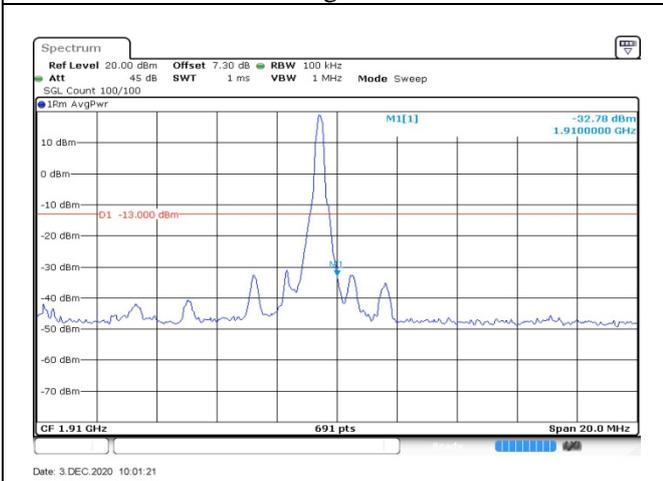


Fig.15

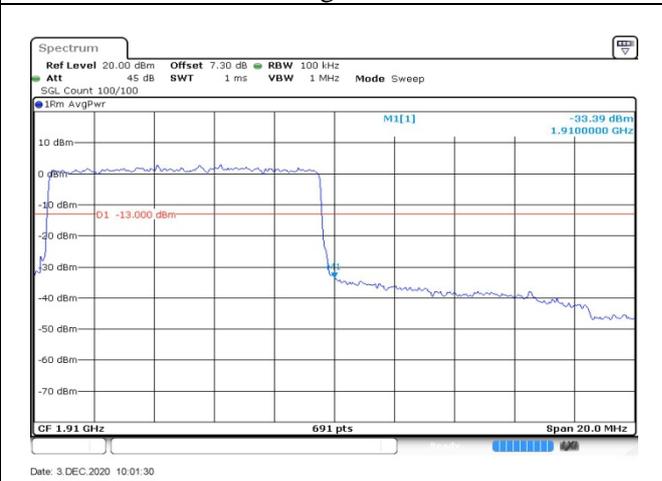


Fig.16

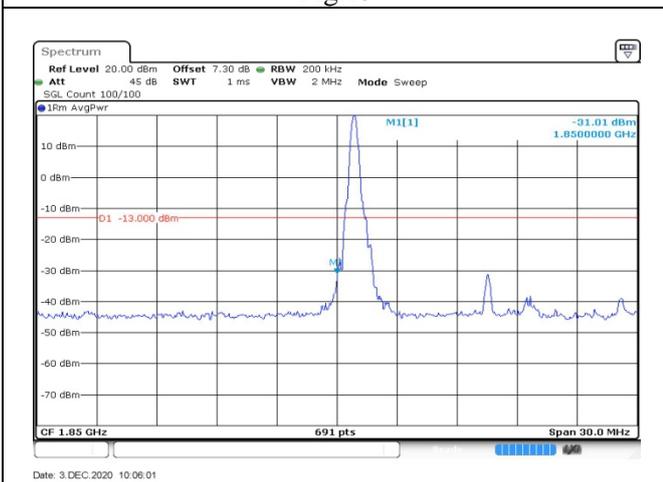


Fig.17

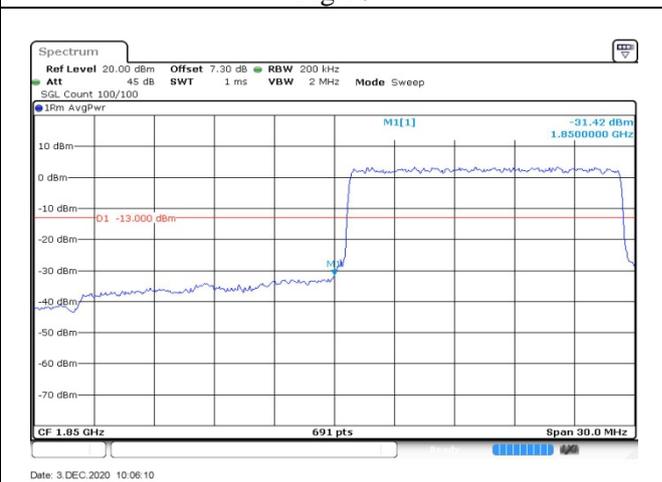


Fig.18

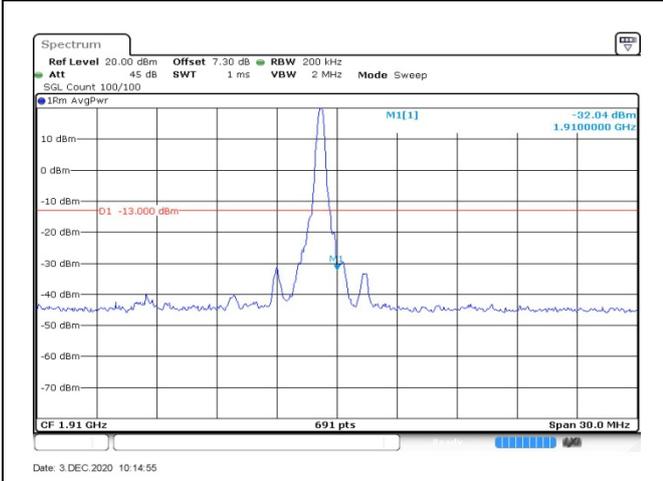


Fig.19

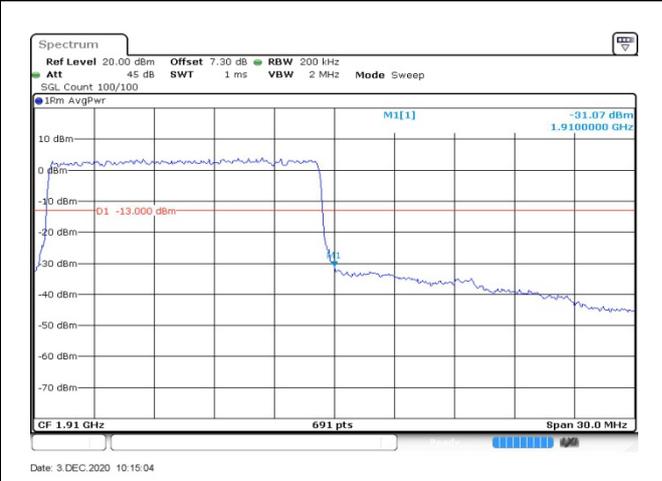


Fig.20

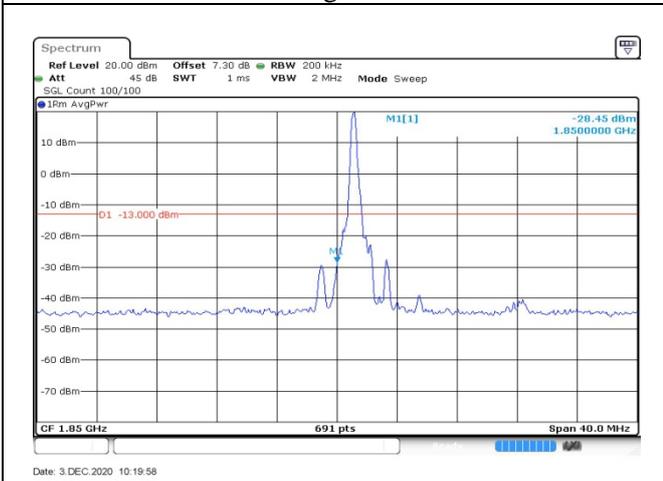


Fig.21

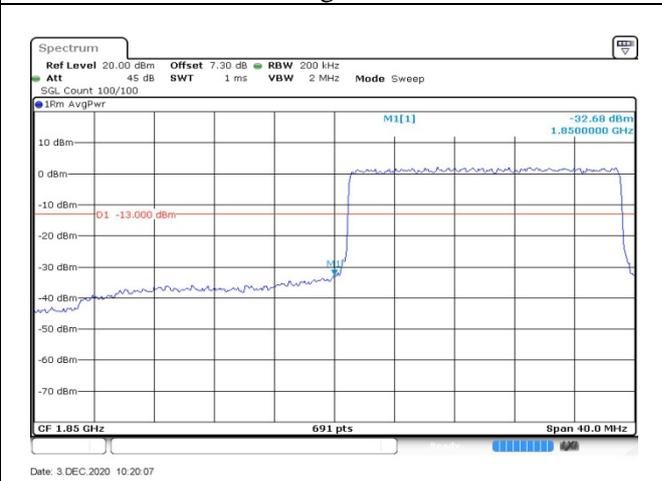


Fig.22

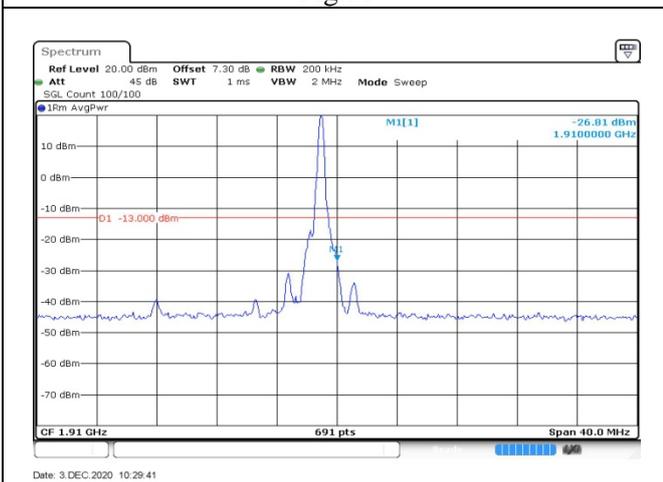


Fig.23

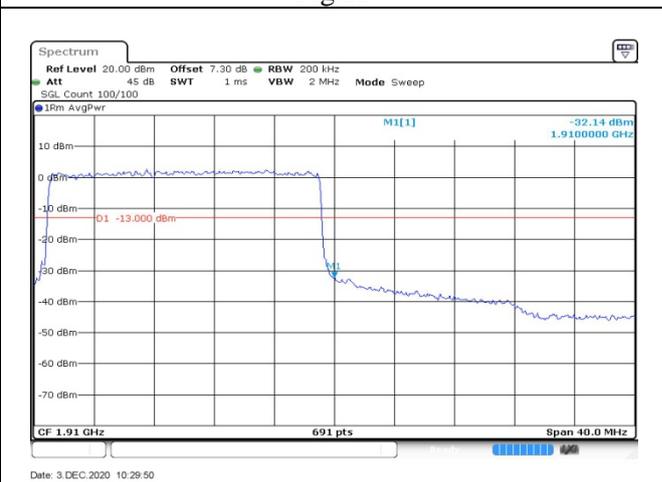


Fig.24

## 7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band2 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-20	NV	0.003	-0.002	-0.001	-0.002	0.000	0.002
-10	NV	0.009	-0.004	-0.002	0.002	-0.011	-0.006
0	NV	-0.009	0.004	-0.002	-0.002	0.002	0.003
+10	NV	-0.007	0.003	-0.002	-0.003	-0.003	-0.005
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	0.009	-0.003	-0.003	0.001	0.001	0.000
+40	NV	-0.013	-0.001	-0.002	0.001	-0.001	0.004
+50	NV	-0.001	0.003	0.001	-0.003	0.002	0.001
+60	NV	0.006	-0.003	0.001	0.002	-0.004	-0.003
+20	LV	-0.001	-0.002	-0.002	-0.003	0.001	0.005
+20	HV	-0.008	-0.005	0.004	-0.005	-0.005	0.004

Temperature(°C)	Voltage	Test Result (ppm) Band2 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-20	NV	0.005	-0.005	0.000	0.000	0.001	0.002
-10	NV	0.003	-0.002	-0.001	-0.003	0.000	0.002
0	NV	0.003	-0.004	0.005	0.009	0.001	-0.003
+10	NV	0.006	-0.004	-0.003	-0.001	0.004	0.001
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	-0.002	-0.003	-0.003	-0.003	0.001	-0.003
+40	NV	-0.001	0.000	0.003	0.001	0.004	0.005
+50	NV	0.008	0.002	-0.003	0.004	0.001	0.005
+60	NV	0.004	0.000	-0.003	0.005	0.002	-0.004
+20	LV	-0.010	-0.002	-0.001	0.002	0.003	-0.001
+20	HV	0.003	0.003	0.002	0.004	0.003	-0.001

### 8 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	1850.7	18607	1.4	1	0	21.63	23.63	0.231
				1	3	21.74	23.74	0.237
				1	5	21.67	23.67	0.233
				3	0	21.57	23.57	0.228
				3	1	21.62	23.62	0.230
				3	3	21.65	23.65	0.232
	1880	18900		6	0	20.69	22.69	0.186
				1	0	21.40	23.40	0.219
				1	3	21.42	23.42	0.220
				1	5	21.51	23.51	0.224
				3	0	21.45	23.45	0.221
				3	1	21.49	23.49	0.223
	1909.3	19193		3	3	21.53	23.53	0.225
				6	0	20.57	22.57	0.181
				1	0	21.59	23.59	0.229
				1	3	21.64	23.64	0.231
				1	5	21.63	23.63	0.231
				3	0	21.64	23.64	0.231
16QAM	1850.7	18607	3	1	21.62	23.62	0.230	
			3	3	21.58	23.58	0.228	
			6	0	20.72	22.72	0.187	
			1	0	20.75	22.75	0.188	
			1	3	20.83	22.83	0.192	
			1	5	20.81	22.81	0.191	
	1880	18900	3	0	20.64	22.64	0.184	
			3	1	20.61	22.61	0.182	
			3	3	20.63	22.63	0.183	
			6	0	19.74	21.74	0.149	
			1	0	20.66	22.66	0.185	
			1	3	20.71	22.71	0.187	
	1909.3	19193	1	5	20.70	22.70	0.186	
			3	0	20.62	22.62	0.183	
			3	1	20.64	22.64	0.184	
			3	3	20.64	22.64	0.184	
			6	0	19.41	21.41	0.138	
			1	0	20.73	22.73	0.187	
			1	3	20.80	22.80	0.191	
			1	5	20.73	22.73	0.187	
			3	0	20.85	22.85	0.193	
			3	1	20.90	22.90	0.195	
			3	3	20.90	22.90	0.195	
			6	0	19.74	21.74	0.149	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1850.7	18607	1.4	1	0	19.71	21.71	0.148
				1	3	19.72	21.72	0.149
				1	5	19.70	21.70	0.148
				3	0	19.73	21.73	0.149
				3	1	19.79	21.79	0.151
				3	3	19.77	21.77	0.150
	1880	18900		6	0	19.70	21.70	0.148
				1	0	19.48	21.48	0.141
				1	3	19.41	21.41	0.138
				1	5	19.42	21.42	0.139
				3	0	19.50	21.50	0.141
				3	1	19.41	21.41	0.138
	1909.3	19193		3	3	19.41	21.41	0.138
				6	0	19.52	21.52	0.142
				1	0	19.73	21.73	0.149
				1	3	19.73	21.73	0.149
				1	5	19.73	21.73	0.149
				3	0	19.73	21.73	0.149
				3	1	19.73	21.73	0.149
				3	3	19.74	21.74	0.149
				6	0	19.72	21.72	0.149

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1851.5	18615	3	1	0	21.64	23.64	0.231
				1	8	21.62	23.62	0.230
				1	14	21.68	23.68	0.233
				8	0	20.76	22.76	0.189
				8	4	20.77	22.77	0.189
				8	7	20.76	22.76	0.189
				15	0	20.77	22.77	0.189
	1880	18900		1	0	21.56	23.56	0.227
				1	8	21.63	23.63	0.231
				1	14	21.62	23.62	0.230
				8	0	20.57	22.57	0.181
				8	4	20.64	22.64	0.184
				8	7	20.65	22.65	0.184
				15	0	20.61	22.61	0.182
	1908.5	19185		1	0	21.71	23.71	0.235
				1	8	21.83	23.83	0.242
				1	14	21.81	23.81	0.240
				8	0	20.79	22.79	0.190
				8	4	20.81	22.81	0.191
				8	7	20.86	22.86	0.193
				15	0	20.79	22.79	0.190
16QAM	1851.5	18615	1	0	21.24	23.24	0.211	
			1	8	21.31	23.31	0.214	
			1	14	21.30	23.30	0.214	
			8	0	19.95	21.95	0.157	
			8	4	19.98	21.98	0.158	
			8	7	19.98	21.98	0.158	
			15	0	19.81	21.81	0.152	
	1880	18900	1	0	20.74	22.74	0.188	
			1	8	20.73	22.73	0.187	
			1	14	20.73	22.73	0.187	
			8	0	19.62	21.62	0.145	
			8	4	19.61	21.61	0.145	
			8	7	19.61	21.61	0.145	
			15	0	19.56	21.56	0.143	
	1908.5	19185	1	0	20.85	22.85	0.193	
			1	8	20.94	22.94	0.197	
			1	14	20.92	22.92	0.196	
			8	0	19.78	21.78	0.151	
			8	4	19.90	21.90	0.155	
			8	7	19.89	21.89	0.155	
			15	0	19.82	21.82	0.152	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)			
64QAM	1851.5	18615	3	1	0	19.78	21.78	0.151			
				1	8	19.78	21.78	0.151			
				1	14	19.80	21.80	0.151			
				8	0	19.85	21.85	0.153			
				8	4	19.78	21.78	0.151			
				8	7	19.81	21.81	0.152			
	1880	18900		15	0	19.83	21.83	0.152			
				1	0	19.55	21.55	0.143			
				1	8	19.56	21.56	0.143			
				1	14	19.56	21.56	0.143			
				8	0	19.59	21.59	0.144			
				8	4	19.55	21.55	0.143			
	1908.5	19185		8	7	19.56	21.56	0.143			
				15	0	19.62	21.62	0.145			
				1	0	19.83	21.83	0.152			
				1	8	19.84	21.84	0.153			
				1	14	19.84	21.84	0.153			
				8	0	19.82	21.82	0.152			
					8	4	19.83	21.83	0.152		
					8	7	19.83	21.83	0.152		
					8	0	19.83	21.83	0.152		
					15	0	19.83	21.83	0.152		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
QPSK	1852.5	18625	5	1	0	21.66	23.66	0.232
				1	12	21.64	23.64	0.231
				1	24	21.61	23.61	0.230
				12	0	20.73	22.73	0.187
				12	7	20.71	22.71	0.187
				12	13	20.80	22.80	0.191
				25	0	20.75	22.75	0.188
	1880	18900		1	0	21.49	23.49	0.223
				1	12	21.54	23.54	0.226
				1	24	21.62	23.62	0.230
				12	0	20.54	22.54	0.179
				12	7	20.63	22.63	0.183
				12	13	20.65	22.65	0.184
				25	0	20.58	22.58	0.181
	1907.5	19175		1	0	21.68	23.68	0.233
				1	12	21.79	23.79	0.239
				1	24	21.78	23.78	0.239
				12	0	20.77	22.77	0.189
				12	7	20.87	22.87	0.194
				12	13	20.87	22.87	0.194
				25	0	20.76	22.76	0.189
16QAM	1852.5	18625	1	0	20.69	22.69	0.186	
			1	12	20.64	22.64	0.184	
			1	24	20.64	22.64	0.184	
			12	0	19.68	21.68	0.147	
			12	7	19.74	21.74	0.149	
			12	13	19.75	21.75	0.150	
			25	0	19.77	21.77	0.150	
	1880	18900	1	0	20.81	22.81	0.191	
			1	12	20.94	22.94	0.197	
			1	24	20.92	22.92	0.196	
			12	0	19.58	21.58	0.144	
			12	7	19.79	21.79	0.151	
			12	13	19.74	21.74	0.149	
			25	0	19.60	21.60	0.145	
	1907.5	19175	1	0	20.79	22.79	0.190	
			1	12	20.88	22.88	0.194	
			1	24	20.87	22.87	0.194	
			12	0	19.72	21.72	0.149	
			12	7	19.73	21.73	0.149	
			12	13	19.83	21.83	0.152	
			25	0	19.78	21.78	0.151	



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
QPSK	1855	18650	10	1	0	21.49	23.49	0.223
				1	25	21.46	23.46	0.222
				1	49	21.62	23.62	0.230
				25	0	20.67	22.67	0.185
				25	12	20.68	22.68	0.185
				25	25	20.60	22.60	0.182
	1880	18900		50	0	20.67	22.67	0.185
				1	0	21.46	23.46	0.222
				1	25	21.60	23.60	0.229
				1	49	21.68	23.68	0.233
				25	0	20.58	22.58	0.181
				25	12	20.67	22.67	0.185
	1905	19150		25	25	20.60	22.60	0.182
				50	0	20.62	22.62	0.183
				1	0	21.81	23.81	0.240
				1	25	21.73	23.73	0.236
				1	49	21.76	23.76	0.238
				25	0	20.79	22.79	0.190
16QAM	1855	18650	25	12	20.84	22.84	0.192	
			25	25	20.81	22.81	0.191	
			50	0	20.74	22.74	0.188	
			1	0	21.23	23.23	0.210	
			1	25	21.15	23.15	0.207	
			1	49	21.19	23.19	0.208	
	1880	18900	25	0	19.74	21.74	0.149	
			25	12	19.71	21.71	0.148	
			25	25	19.72	21.72	0.149	
			50	0	19.71	21.71	0.148	
			1	0	20.76	22.76	0.189	
			1	25	20.84	22.84	0.192	
	1905	19150	1	49	20.91	22.91	0.195	
			25	0	19.64	21.64	0.146	
			25	12	19.67	21.67	0.147	
			25	25	19.67	21.67	0.147	
			50	0	19.64	21.64	0.146	
			1	0	20.91	22.91	0.195	
			1	25	20.83	22.83	0.192	
			1	49	20.93	22.93	0.196	
			25	0	19.88	21.88	0.154	
			25	12	19.84	21.84	0.153	
			25	25	19.85	21.85	0.153	
			50	0	19.74	21.74	0.149	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1855	18650	10	1	0	19.69	21.69	0.148
				1	25	19.74	21.74	0.149
				1	49	19.72	21.72	0.149
				25	0	19.73	21.73	0.149
				25	12	19.67	21.67	0.147
				25	25	19.72	21.72	0.149
	1880	18900		50	0	19.71	21.71	0.148
				1	0	19.63	21.63	0.146
				1	25	19.56	21.56	0.143
				1	49	19.65	21.65	0.146
				25	0	19.56	21.56	0.143
				25	12	19.54	21.54	0.143
	1905	19150		25	25	19.64	21.64	0.146
				50	0	19.63	21.63	0.146
				1	0	19.76	21.76	0.150
				1	25	19.77	21.77	0.150
				1	49	19.77	21.77	0.150
				25	0	19.79	21.79	0.151
				25	12	19.76	21.76	0.150
				25	25	19.77	21.77	0.150
				50	0	19.76	21.76	0.150

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
QPSK	1857.5	18675	15	1	0	21.76	23.76	0.238	
				1	37	21.82	23.82	0.241	
				1	74	21.79	23.79	0.239	
				36	0	20.83	22.83	0.192	
				36	29	20.82	22.82	0.191	
				36	30	20.85	22.85	0.193	
				75	0	20.82	22.82	0.191	
	1880	18900		1	0	21.67	23.67	0.233	
				1	37	21.82	23.82	0.241	
				1	74	21.90	23.90	0.245	
				36	0	20.68	22.68	0.185	
				36	29	20.89	22.89	0.195	
				36	30	20.84	22.84	0.192	
				75	0	20.75	22.75	0.188	
	1902.5	19125		1	0	21.77	23.77	0.238	
				1	37	21.95	23.95	0.248	
				1	74	21.98	23.98	0.250	
				36	0	20.85	22.85	0.193	
				36	29	21.07	23.07	0.203	
				36	30	21.01	23.01	0.200	
				75	0	20.96	22.96	0.198	
	16QAM	1857.5		18675	1	0	21.45	23.45	0.221
					1	37	21.43	23.43	0.220
					1	74	21.43	23.43	0.220
36			0		19.86	21.86	0.153		
36			29		19.88	21.88	0.154		
36			30		19.88	21.88	0.154		
75			0		19.86	21.86	0.153		
1880		18900	1	0	20.77	22.77	0.189		
			1	37	20.98	22.98	0.199		
			1	74	20.99	22.99	0.199		
			36	0	19.67	21.67	0.147		
			36	29	19.88	21.88	0.154		
			36	30	19.84	21.84	0.153		
			75	0	19.79	21.79	0.151		
1902.5		19125	1	0	21.27	23.27	0.212		
			1	37	21.45	23.45	0.221		
			1	74	21.42	23.42	0.220		
			36	0	19.85	21.85	0.153		
			36	29	20.00	22.00	0.158		
			36	30	19.96	21.96	0.157		
			75	0	19.85	21.85	0.153		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1857.5	18675	15	1	0	19.86	21.86	0.153
				1	37	19.86	21.86	0.153
				1	74	19.85	21.85	0.153
				36	0	19.86	21.86	0.153
				36	29	19.86	21.86	0.153
				36	30	19.86	21.86	0.153
				75	0	19.92	21.92	0.156
	1880	18900		1	0	19.72	21.72	0.149
				1	37	19.80	21.80	0.151
				1	74	19.79	21.79	0.151
				36	0	19.80	21.80	0.151
				36	29	19.79	21.79	0.151
				36	30	19.79	21.79	0.151
				75	0	19.74	21.74	0.149
	1902.5	19125		1	0	19.85	21.85	0.153
				1	37	19.95	21.95	0.157
				1	74	19.96	21.96	0.157
				36	0	19.86	21.86	0.153
				36	29	19.86	21.86	0.153
				36	30	19.87	21.87	0.154
				75	0	19.85	21.85	0.153

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
QPSK	1860	18700	20	1	0	21.84	23.84	0.242	
				1	49	21.74	23.74	0.237	
				1	99	21.81	23.81	0.240	
				50	0	20.85	22.85	0.193	
				50	24	20.76	22.76	0.189	
				50	50	20.79	22.79	0.190	
	1880	18900		100	0	20.76	22.76	0.189	
				1	0	21.71	23.71	0.235	
				1	49	21.91	23.91	0.246	
				1	99	21.90	23.90	0.245	
				50	0	20.68	22.68	0.185	
				50	24	20.82	22.82	0.191	
	1900	19100		50	50	20.81	22.81	0.191	
				100	0	20.76	22.76	0.189	
				1	0	21.65	23.65	0.232	
				1	49	21.94	23.94	0.248	
				1	99	21.95	23.95	0.248	
				50	0	20.85	22.85	0.193	
	16QAM	1860		18700	50	24	21.08	23.08	0.203
					50	50	21.04	23.04	0.201
					100	0	20.95	22.95	0.197
					1	0	21.19	23.19	0.208
					1	49	21.10	23.10	0.204
					1	99	21.09	23.09	0.204
1880		18900	50	0	19.80	21.80	0.151		
			50	24	19.79	21.79	0.151		
			50	50	19.85	21.85	0.153		
			100	0	19.82	21.82	0.152		
			1	0	20.96	22.96	0.198		
			1	49	21.10	23.10	0.204		
1900		19100	1	99	21.18	23.18	0.208		
			50	0	19.67	21.67	0.147		
			50	24	19.80	21.80	0.151		
			50	50	19.81	21.81	0.152		
			100	0	19.71	21.71	0.148		
			1	0	21.31	23.31	0.214		
				1	49	21.58	23.58	0.228	
				1	99	21.57	23.57	0.228	
				50	0	19.82	21.82	0.152	
				50	24	19.98	21.98	0.158	
				50	50	20.07	22.07	0.161	
				100	0	19.99	21.99	0.158	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
64QAM	1860	18700	20	1	0	19.79	21.79	0.151	
				1	49	19.78	21.78	0.151	
				1	99	19.78	21.78	0.151	
				50	0	19.82	21.82	0.152	
				50	24	19.76	21.76	0.150	
				50	50	19.83	21.83	0.152	
	1880	18900		100	0	19.84	21.84	0.153	
				1	0	19.79	21.79	0.151	
				1	49	19.80	21.80	0.151	
				1	99	19.79	21.79	0.151	
				50	0	19.77	21.77	0.150	
				50	24	19.79	21.79	0.151	
	1900	19100		50	50	19.80	21.80	0.151	
				100	0	19.78	21.78	0.151	
				1	0	19.92	21.92	0.156	
				1	49	19.96	21.96	0.157	
				1	99	19.91	21.91	0.155	
				50	0	19.99	21.99	0.158	
					50	24	19.90	21.90	0.155
					50	50	19.90	21.90	0.155
					100	0	19.89	21.89	0.155