

Fig.19

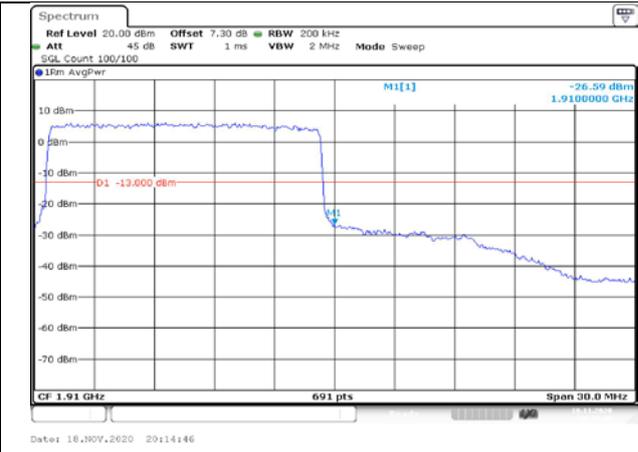


Fig.20

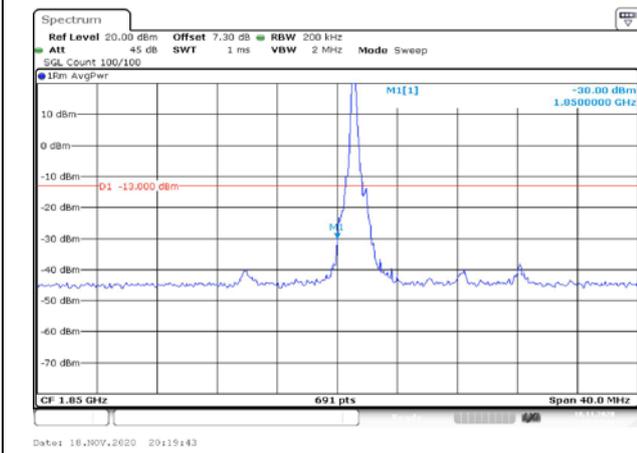


Fig.21

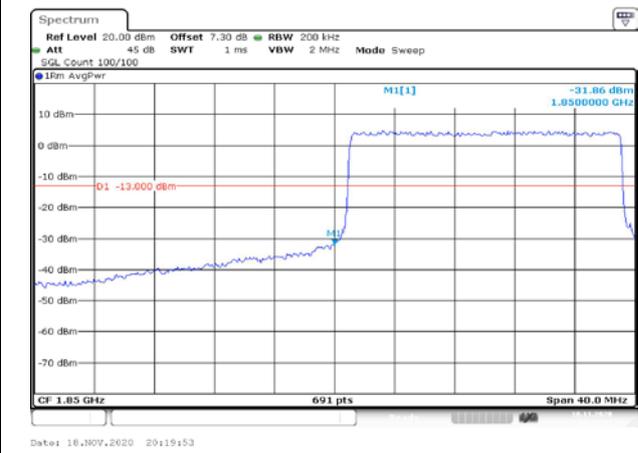


Fig.22

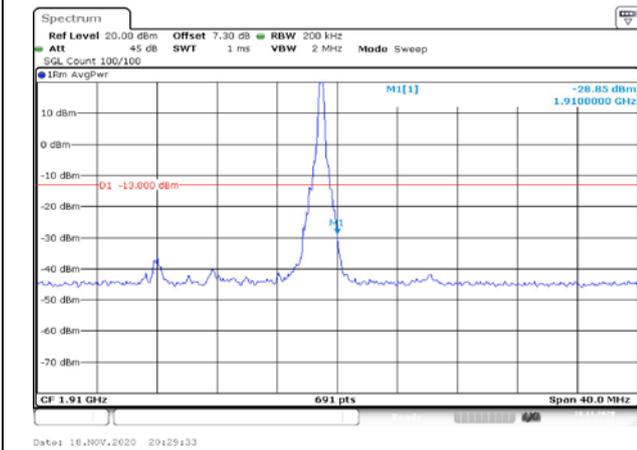


Fig.23



Fig.24

Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band2 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.007	-0.002	0.001	0.000	0.000	0.002
0	NV	-0.008	-0.001	0.002	-0.002	0.001	0.004
+10	NV	-0.012	-0.001	0.002	-0.001	-0.001	0.005
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	0.000	0.000	0.000	-0.001	0.000	0.004
+40	NV	-0.003	0.001	0.002	-0.001	-0.001	0.003
+50	NV	0.000	-0.002	0.003	0.000	-0.002	0.003
+55	NV	0.001	-0.001	0.000	0.002	-0.001	0.002
+20	LV	-0.011	0.001	0.001	-0.002	0.000	0.003
+20	HV	-0.011	0.001	0.001	-0.002	0.000	0.003

Temperature(°C)	Voltage	Test Result (ppm) Band2 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	0.000	0.002	0.001	0.001	0.001	0.000
0	NV	-0.001	0.001	-0.001	0.000	-0.001	0.002
+10	NV	0.011	0.001	0.000	0.001	0.001	0.000
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	0.002	0.001	0.000	0.001	-0.001	0.002
+40	NV	0.001	0.002	0.000	0.001	0.000	-0.001
+50	NV	-0.001	-0.001	0.000	0.001	0.000	0.000
+55	NV	0.001	0.001	0.001	-0.001	-0.002	0.001
+20	LV	0.000	0.000	-0.001	0.001	0.000	-0.002
+20	HV	0.000	0.000	-0.001	0.001	0.000	-0.002

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	23.70	22.70	0.186	
				1	3	23.65	22.65	0.184	
				1	5	23.62	22.62	0.183	
				3	0	23.73	22.73	0.187	
				3	1	23.70	22.70	0.186	
				3	3	23.77	22.77	0.189	
				6	0	22.80	21.80	0.151	
	1880	18900		1	0	23.51	22.51	0.178	
				1	3	23.49	22.49	0.177	
				1	5	23.49	22.49	0.177	
				3	0	23.50	22.50	0.178	
				3	1	23.48	22.48	0.177	
				3	3	23.54	22.54	0.179	
				6	0	22.61	21.61	0.145	
	1909.3	19193		1	0	23.64	22.64	0.184	
				1	3	23.59	22.59	0.182	
				1	5	23.63	22.63	0.183	
				3	0	23.60	22.60	0.182	
				3	1	23.62	22.62	0.183	
				3	3	23.66	22.66	0.185	
				6	0	22.63	21.63	0.146	
	16QAM	1850.7		18607	1	0	23.00	22.00	0.158
					1	3	22.85	21.85	0.153
					1	5	22.87	21.87	0.154
3			0		22.96	21.96	0.157		
3			1		22.85	21.85	0.153		
3			3		22.85	21.85	0.153		
6			0		21.76	20.76	0.119		
1880		18900	1	0	22.74	21.74	0.149		
			1	3	22.65	21.65	0.146		
			1	5	22.65	21.65	0.146		
			3	0	22.83	21.83	0.152		
			3	1	22.81	21.81	0.152		
			3	3	22.85	21.85	0.153		
			6	0	21.61	20.61	0.115		
1909.3		19193	1	0	22.80	21.80	0.151		
			1	3	22.87	21.87	0.154		
			1	5	22.83	21.83	0.152		
			3	0	22.63	21.63	0.146		
			3	1	22.71	21.71	0.148		
			3	3	22.65	21.65	0.146		
			6	0	21.72	20.72	0.118		

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	23.85	22.85	0.193	
				1	8	23.75	22.75	0.188	
				1	14	23.74	22.74	0.188	
				8	0	22.90	21.90	0.155	
				8	4	22.82	21.82	0.152	
				8	7	22.82	21.82	0.152	
	15	0		22.91	21.91	0.155			
	1	0		23.70	22.70	0.186			
	1	8		23.58	22.58	0.181			
	1	14		23.57	22.57	0.181			
	8	0		22.73	21.73	0.149			
	8	4		22.65	21.65	0.146			
	8	7		22.55	21.55	0.143			
	15	0		22.73	21.73	0.149			
	1	0		23.71	22.71	0.187			
	1	8		23.60	22.60	0.182			
	1	14		23.65	22.65	0.184			
	8	0		22.77	21.77	0.150			
	8	4		22.67	21.67	0.147			
	8	7		22.68	21.68	0.147			
	15	0		22.75	21.75	0.150			
	16QAM	1851.5		18615	1	0	23.60	22.60	0.182
					1	8	23.48	22.48	0.177
					1	14	23.37	22.37	0.173
8			0		22.12	21.12	0.129		
8			4		22.05	21.05	0.127		
8			7		22.06	21.06	0.128		
15		0	21.95	20.95	0.124				
1		0	22.96	21.96	0.157				
1		8	22.68	21.68	0.147				
1		14	22.78	21.78	0.151				
8		0	21.67	20.67	0.117				
8		4	21.63	20.63	0.116				
8		7	21.57	20.57	0.114				
15		0	21.59	20.59	0.115				
1		0	22.92	21.92	0.156				
1		8	22.77	21.77	0.150				
1		14	22.82	21.82	0.152				
8		0	21.84	20.84	0.121				
8		4	21.70	20.70	0.117				
8		7	21.77	20.77	0.119				
15		0	21.77	20.77	0.119				

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	21.95	20.95	0.124
				1	8	21.95	20.95	0.124
				1	14	21.96	20.96	0.125
				8	0	21.95	20.95	0.124
				8	4	21.96	20.96	0.125
				8	7	21.95	20.95	0.124
				15	0	21.96	20.96	0.125
	1880	18900		1	0	21.60	20.60	0.115
				1	8	21.60	20.60	0.115
				1	14	21.60	20.60	0.115
				8	0	21.60	20.60	0.115
				8	4	21.60	20.60	0.115
				8	7	21.60	20.60	0.115
				15	0	21.61	20.61	0.115
	1908.5	19185		1	0	21.82	20.82	0.121
				1	8	21.79	20.79	0.120
				1	14	21.77	20.77	0.119
				8	0	21.78	20.78	0.120
				8	4	21.80	20.80	0.120
				8	7	21.79	20.79	0.120
				15	0	21.77	20.77	0.119

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	23.87	22.87	0.194	
				1	12	23.72	22.72	0.187	
				1	24	23.78	22.78	0.190	
				12	0	22.93	21.93	0.156	
				12	7	22.79	21.79	0.151	
				12	13	22.86	21.86	0.153	
	25	0		22.89	21.89	0.155			
	1	0		23.69	22.69	0.186			
	1	12		23.64	22.64	0.184			
	1	24		23.61	22.61	0.182			
	12	0		22.80	21.80	0.151			
	12	7		22.66	21.66	0.147			
	12	13		22.66	21.66	0.147			
	25	0		22.73	21.73	0.149			
	1	0		23.65	22.65	0.184			
	1	12		23.73	22.73	0.187			
	1	24		23.70	22.70	0.186			
	12	0		22.80	21.80	0.151			
	12	7		22.76	21.76	0.150			
	12	13		22.76	21.76	0.150			
	25	0		22.81	21.81	0.152			
	16QAM	1852.5		18625	1	0	22.91	21.91	0.155
					1	12	22.79	21.79	0.151
					1	24	22.75	21.75	0.150
12			0		21.92	20.92	0.124		
12			7		21.84	20.84	0.121		
12			13		21.85	20.85	0.122		
25		0	21.96	20.96	0.125				
1		0	23.02	22.02	0.159				
1		12	22.90	21.90	0.155				
1		24	22.91	21.91	0.155				
12		0	21.82	20.82	0.121				
12		7	21.68	20.68	0.117				
12		13	21.72	20.72	0.118				
25		0	21.67	20.67	0.117				
1		0	22.89	21.89	0.155				
1		12	22.76	21.76	0.150				
1		24	22.90	21.90	0.155				
12		0	21.77	20.77	0.119				
12		7	21.70	20.70	0.117				
12		13	21.70	20.70	0.117				
25		0	21.81	20.81	0.121				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1852.5	18625	5	1	0	22.01	21.01	0.126
				1	12	21.95	20.95	0.124
				1	24	21.93	20.93	0.124
				12	0	22.00	21.00	0.126
				12	7	21.99	20.99	0.126
				12	13	22.00	21.00	0.126
	1880	18900		25	0	21.99	20.99	0.126
				1	0	21.67	20.67	0.117
				1	12	21.69	20.69	0.117
				1	24	21.68	20.68	0.117
				12	0	21.75	20.75	0.119
				12	7	21.77	20.77	0.119
	1907.5	19175		12	13	21.70	20.70	0.117
				25	0	21.74	20.74	0.119
				1	0	21.81	20.81	0.121
				1	12	21.77	20.77	0.119
				1	24	21.81	20.81	0.121
				12	0	21.75	20.75	0.119
				12	7	21.71	20.71	0.118
				12	13	21.86	20.86	0.122
				25	0	21.82	20.82	0.121

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	23.77	22.77	0.189	
				1	25	23.80	22.80	0.191	
				1	49	23.70	22.70	0.186	
				25	0	22.93	21.93	0.156	
				25	12	22.92	21.92	0.156	
				25	25	22.86	21.86	0.153	
	1880	18900		50	0	22.89	21.89	0.155	
				1	0	23.72	22.72	0.187	
				1	25	23.57	22.57	0.181	
				1	49	23.64	22.64	0.184	
				25	0	22.72	21.72	0.149	
				25	12	22.67	21.67	0.147	
	1905	19150		25	25	22.62	21.62	0.145	
				50	0	22.66	21.66	0.147	
				1	0	23.66	22.66	0.185	
				1	25	23.74	22.74	0.188	
				1	49	23.71	22.71	0.187	
				25	0	22.74	21.74	0.149	
	16QAM	1855		18650	25	12	22.69	21.69	0.148
					25	25	22.71	21.71	0.148
					50	0	22.79	21.79	0.151
1			0		23.47	22.47	0.177		
1			25		23.43	22.43	0.175		
1			49		23.32	22.32	0.171		
1880		18900	25	0	22.04	21.04	0.127		
			25	12	21.96	20.96	0.125		
			25	25	22.06	21.06	0.128		
			50	0	21.89	20.89	0.123		
			1	0	22.87	21.87	0.154		
			1	25	22.70	21.70	0.148		
1905		19150	1	49	22.77	21.77	0.150		
			25	0	21.79	20.79	0.120		
			25	12	21.62	20.62	0.115		
			25	25	21.63	20.63	0.116		
			50	0	21.63	20.63	0.116		
			1	0	22.83	21.83	0.152		
				1	25	22.90	21.90	0.155	
				1	49	22.89	21.89	0.155	
				25	0	21.90	20.90	0.123	
	25			12	21.91	20.91	0.123		
	25			25	21.92	20.92	0.124		
	50			0	21.84	20.84	0.121		

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	21.98	20.98	0.125
				1	25	21.93	20.93	0.124
				1	49	21.96	20.96	0.125
				25	0	21.89	20.89	0.123
				25	12	21.88	20.88	0.122
				25	25	21.96	20.96	0.125
	1880	18900		50	0	21.93	20.93	0.124
				1	0	21.63	20.63	0.116
				1	25	21.63	20.63	0.116
				1	49	21.64	20.64	0.116
				25	0	21.65	20.65	0.116
				25	12	21.71	20.71	0.118
	1905	19150		25	25	21.65	20.65	0.116
				50	0	21.71	20.71	0.118
				1	0	21.89	20.89	0.123
				1	25	21.87	20.87	0.122
				1	49	21.81	20.81	0.121
				25	0	21.75	20.75	0.119
				25	12	21.86	20.86	0.122
				25	25	21.85	20.85	0.122
				50	0	21.79	20.79	0.120

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	23.78	22.78	0.190
				1	37	23.73	22.73	0.187
				1	74	23.66	22.66	0.185
				36	0	22.84	21.84	0.153
				36	29	22.74	21.74	0.149
				36	30	22.72	21.72	0.149
				75	0	22.73	21.73	0.149
	1880	18900		1	0	23.49	22.49	0.177
				1	37	23.57	22.57	0.181
				1	74	23.56	22.56	0.180
				36	0	22.67	21.67	0.147
				36	29	22.51	21.51	0.142
				36	30	22.58	21.58	0.144
				75	0	22.57	21.57	0.144
	1902.5	19125		1	0	23.50	22.50	0.178
				1	37	23.70	22.70	0.186
				1	74	23.72	22.72	0.187
				36	0	22.58	21.58	0.144
				36	29	22.74	21.74	0.149
				36	30	22.70	21.70	0.148
				75	0	22.68	21.68	0.147
16QAM	1857.5	18675	1	0	23.42	22.42	0.175	
			1	37	23.39	22.39	0.173	
			1	74	23.33	22.33	0.171	
			36	0	21.82	20.82	0.121	
			36	29	21.77	20.77	0.119	
			36	30	21.75	20.75	0.119	
			75	0	21.72	20.72	0.118	
	1880	18900	1	0	22.71	21.71	0.148	
			1	37	22.71	21.71	0.148	
			1	74	22.81	21.81	0.152	
			36	0	21.66	20.66	0.116	
			36	29	21.54	20.54	0.113	
			36	30	21.56	20.56	0.114	
			75	0	21.57	20.57	0.114	
	1902.5	19125	1	0	23.29	22.29	0.169	
			1	37	23.27	22.27	0.169	
			1	74	23.14	22.14	0.164	
			36	0	21.65	20.65	0.116	
			36	29	21.69	20.69	0.117	
			36	30	21.66	20.66	0.116	
			75	0	21.57	20.57	0.114	

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	21.79	20.79	0.120
				1	37	21.79	20.79	0.120
				1	74	21.78	20.78	0.120
				36	0	21.74	20.74	0.119
				36	29	21.73	20.73	0.118
				36	30	21.78	20.78	0.120
				75	0	21.72	20.72	0.118
	1880	18900		1	0	21.58	20.58	0.114
				1	37	21.49	20.49	0.112
				1	74	21.59	20.59	0.115
				36	0	21.56	20.56	0.114
				36	29	21.66	20.66	0.116
				36	30	21.56	20.56	0.114
				75	0	21.50	20.50	0.112
	1902.5	19125		1	0	21.67	20.67	0.117
				1	37	21.64	20.64	0.116
				1	74	21.63	20.63	0.116
				36	0	21.59	20.59	0.115
				36	29	21.60	20.60	0.115
				36	30	21.62	20.62	0.115
				75	0	21.66	20.66	0.116

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	23.74	22.74	0.188	
				1	49	23.59	22.59	0.182	
				1	99	23.64	22.64	0.184	
				50	0	22.85	21.85	0.153	
				50	24	22.73	21.73	0.149	
				50	50	22.69	21.69	0.148	
	1880	18900		100	0	22.83	21.83	0.152	
				1	0	23.78	22.78	0.190	
				1	49	23.67	22.67	0.185	
				1	99	23.73	22.73	0.187	
				50	0	22.68	21.68	0.147	
				50	24	22.56	21.56	0.143	
	1900	19100		50	50	22.56	21.56	0.143	
				100	0	22.56	21.56	0.143	
				1	0	23.55	22.55	0.180	
				1	49	23.61	22.61	0.182	
				1	99	23.67	22.67	0.185	
				50	0	22.66	21.66	0.147	
	16QAM	1860		18700	50	24	22.78	21.78	0.151
					50	50	22.76	21.76	0.150
					100	0	22.76	21.76	0.150
1			0		23.07	22.07	0.161		
1			49		23.07	22.07	0.161		
1			99		23.01	22.01	0.159		
1880		18900	50	0	21.80	20.80	0.120		
			50	24	21.72	20.72	0.118		
			50	50	21.73	20.73	0.118		
			100	0	21.78	20.78	0.120		
			1	0	22.92	21.92	0.156		
			1	49	22.87	21.87	0.154		
1900		19100	1	99	22.80	21.80	0.151		
			50	0	21.63	20.63	0.116		
			50	24	21.55	20.55	0.114		
			50	50	21.47	20.47	0.111		
			100	0	21.56	20.56	0.114		
			1	0	23.25	22.25	0.168		
			1	49	23.22	22.22	0.167		
			1	99	23.36	22.36	0.172		
			50	0	21.65	20.65	0.116		
			50	24	21.74	20.74	0.119		
			50	50	21.73	20.73	0.118		
			100	0	21.64	20.64	0.116		

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	21.73	20.73	0.118
				1	49	21.74	20.74	0.119
				1	99	21.74	20.74	0.119
				50	0	21.73	20.73	0.118
				50	24	21.74	20.74	0.119
				50	50	21.69	20.69	0.117
				100	0	21.71	20.71	0.118
	1880	18900		1	0	21.58	20.58	0.114
				1	49	21.59	20.59	0.115
				1	99	21.59	20.59	0.115
				50	0	21.59	20.59	0.115
				50	24	21.58	20.58	0.114
				50	50	21.57	20.57	0.114
				100	0	21.56	20.56	0.114
	1900	19100		1	0	21.74	20.74	0.119
				1	49	21.81	20.81	0.121
				1	99	21.81	20.81	0.121
				50	0	21.74	20.74	0.119
				50	24	21.77	20.77	0.119
				50	50	21.74	20.74	0.119
				100	0	21.70	20.70	0.117