

Fig.1

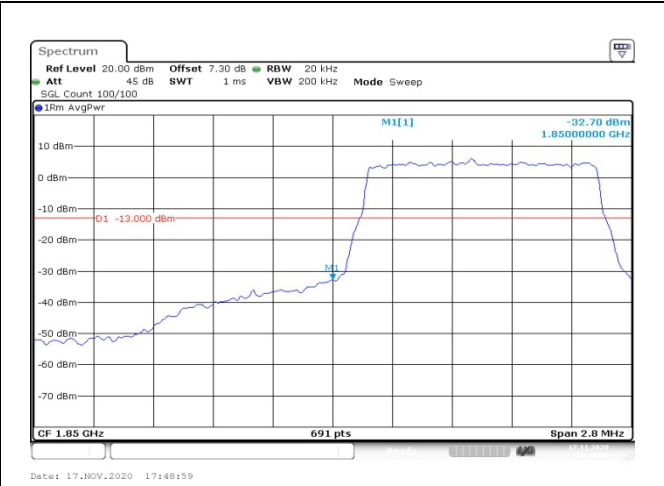


Fig.2

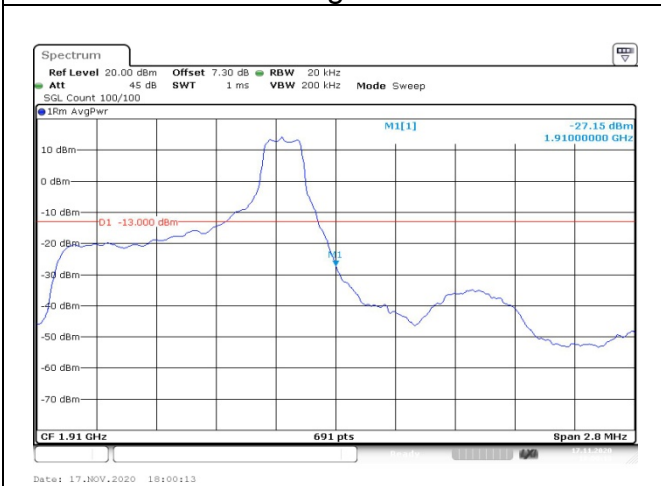


Fig.3

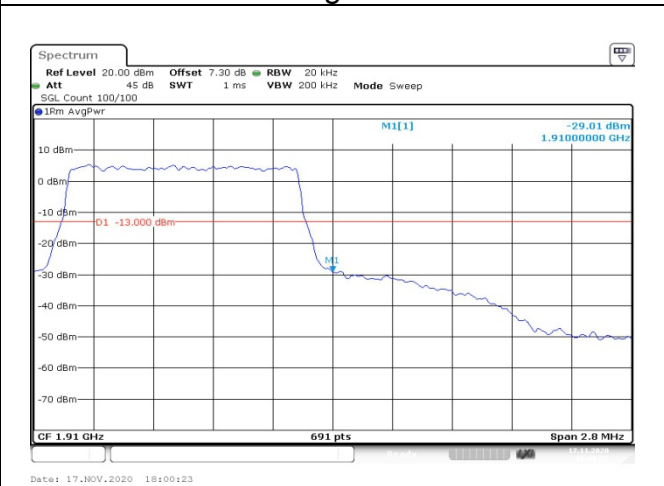


Fig.4

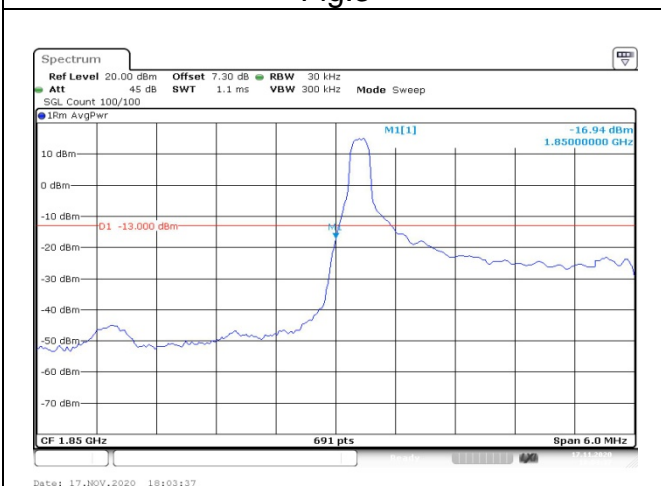


Fig.5

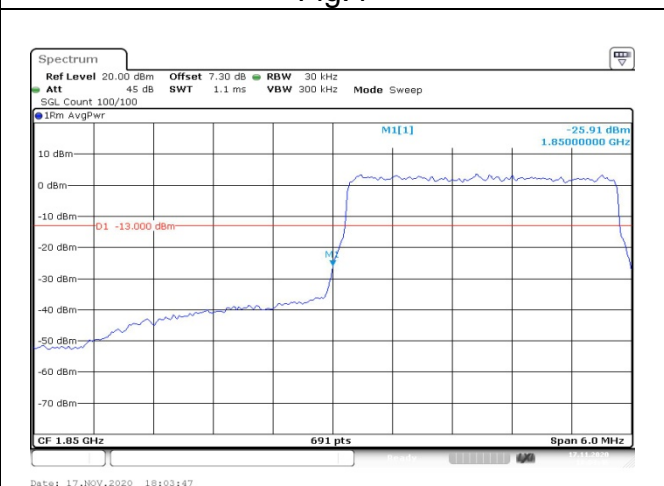


Fig.6

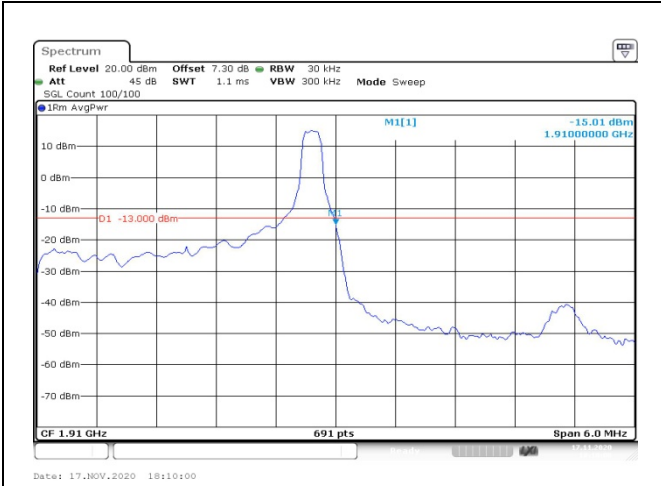


Fig.7

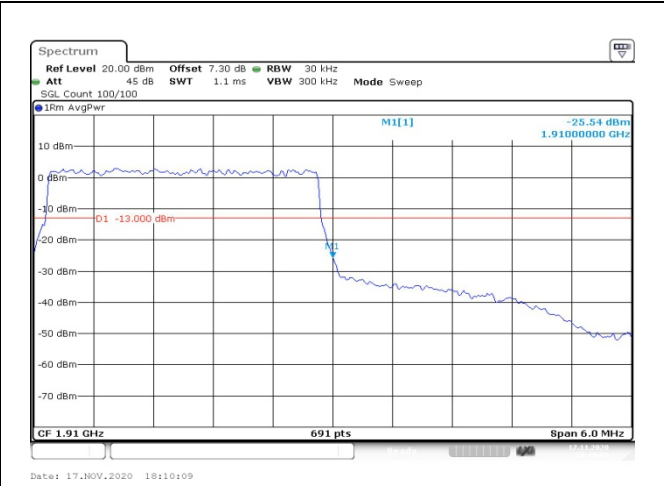


Fig.8

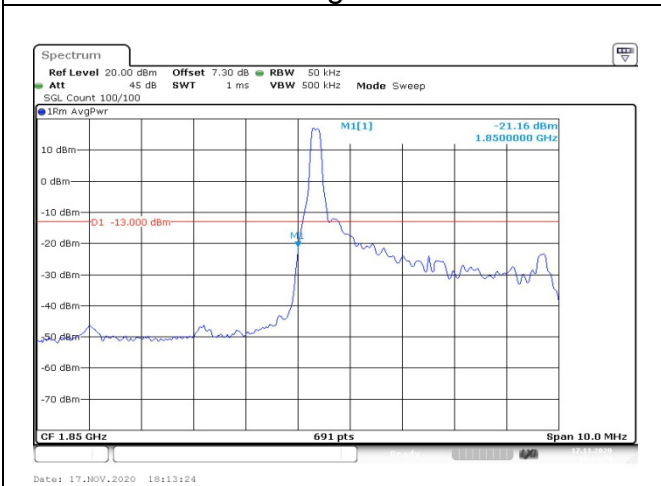


Fig.9

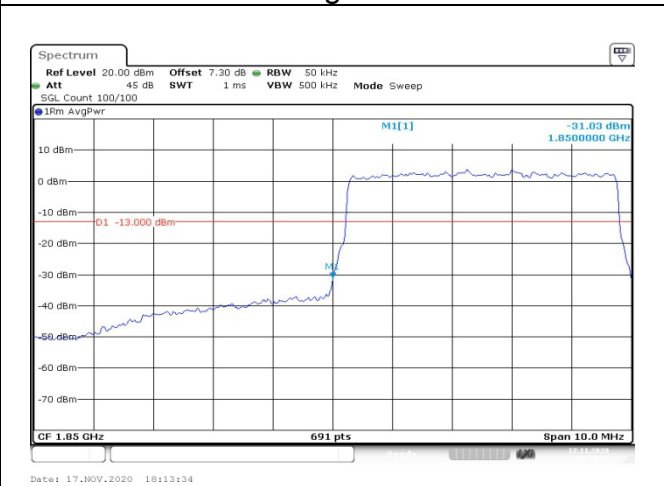


Fig.10

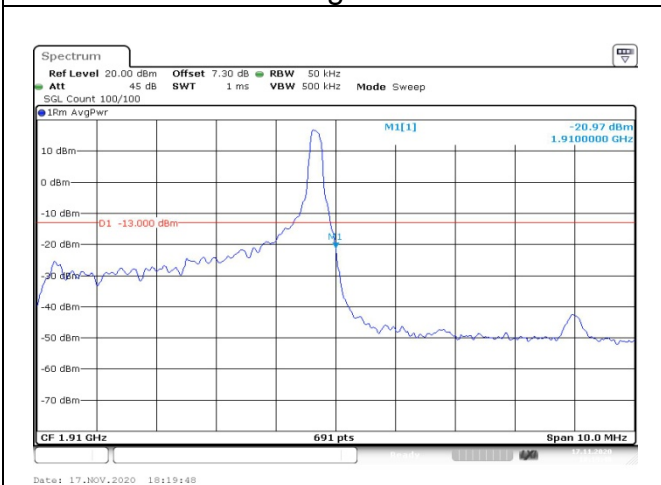


Fig.11

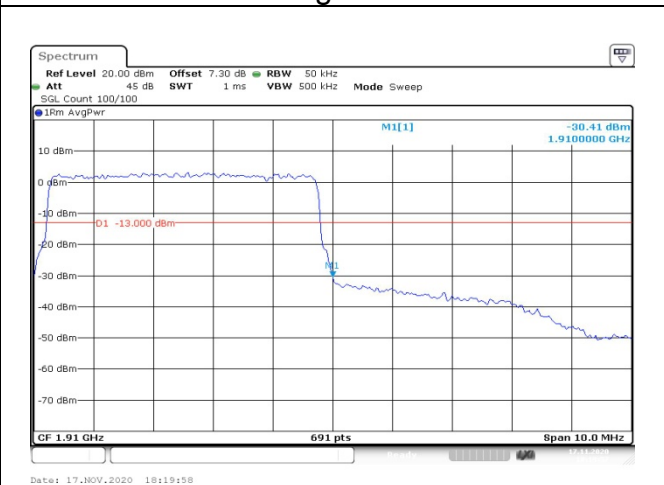


Fig.12

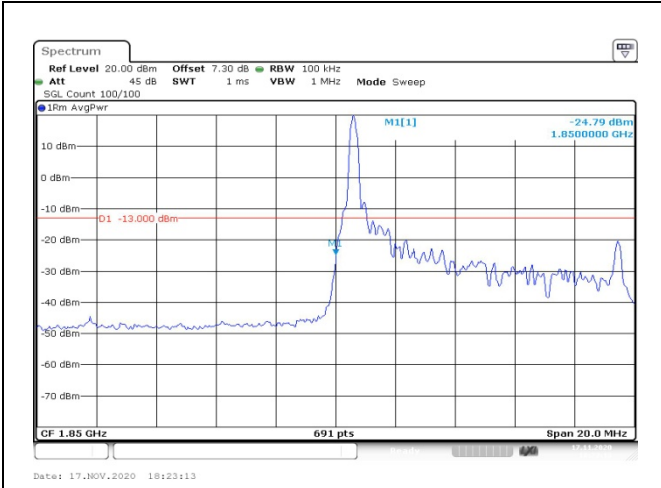


Fig.13

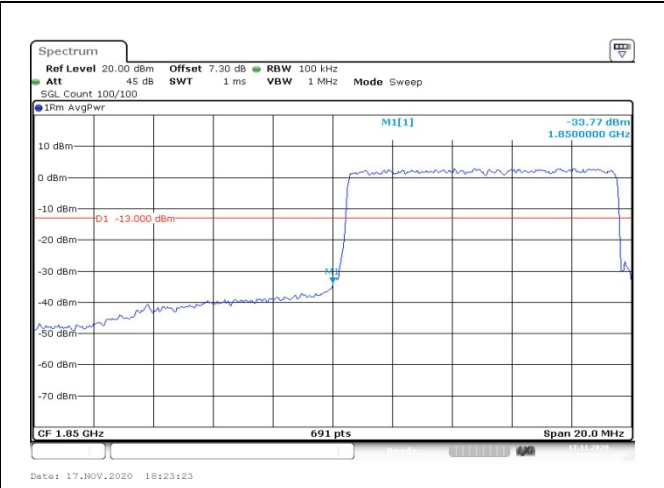


Fig.14

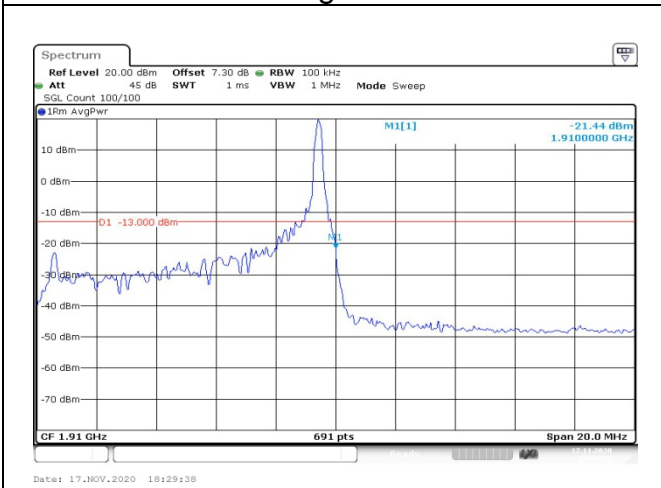


Fig.15

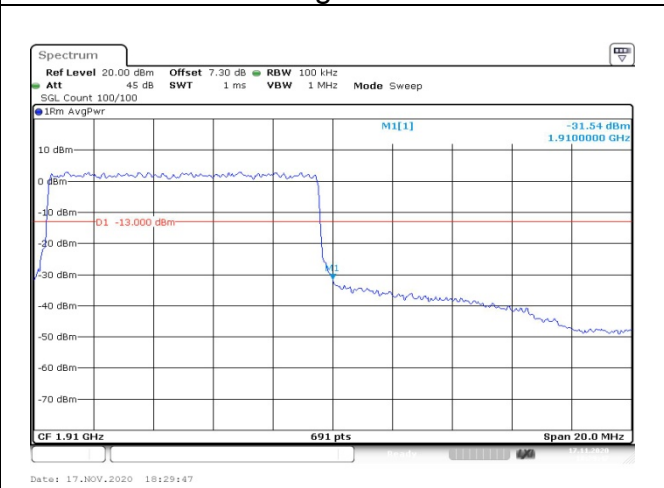


Fig.16

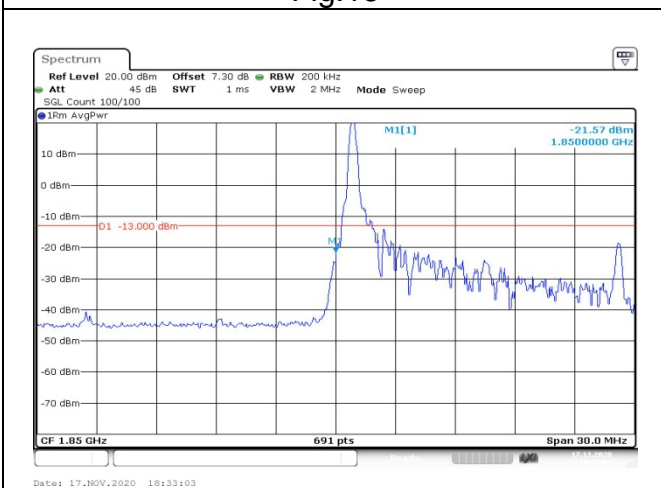


Fig.17

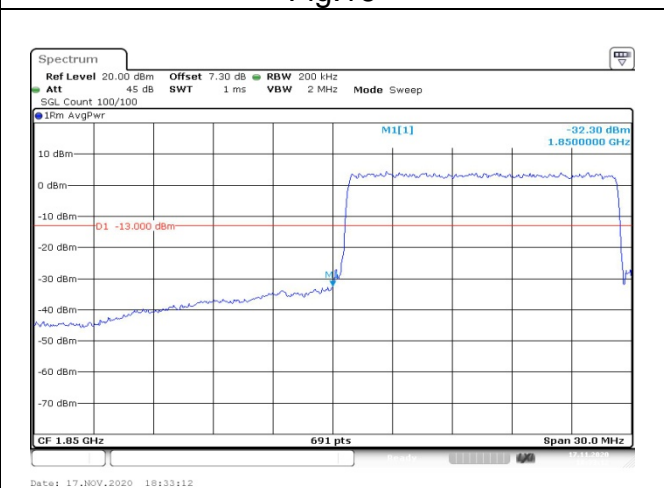


Fig.18

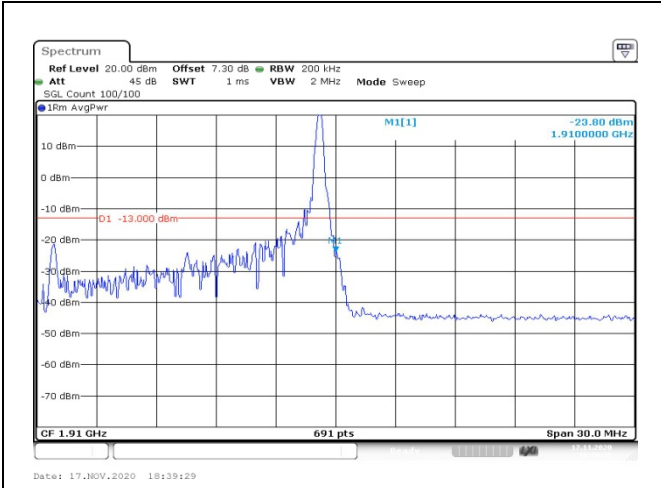


Fig.19

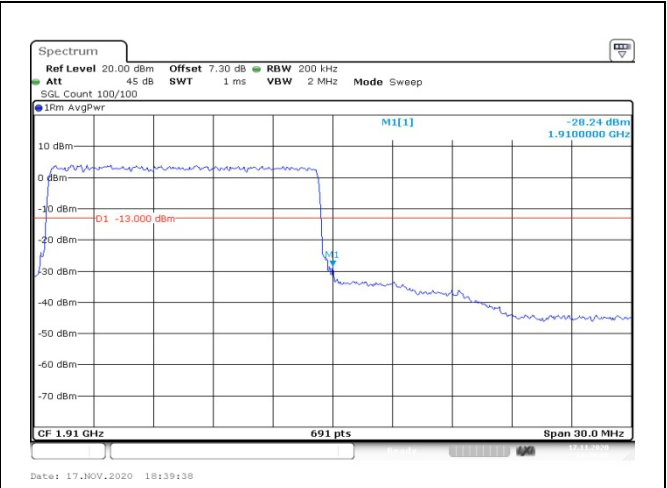


Fig.20

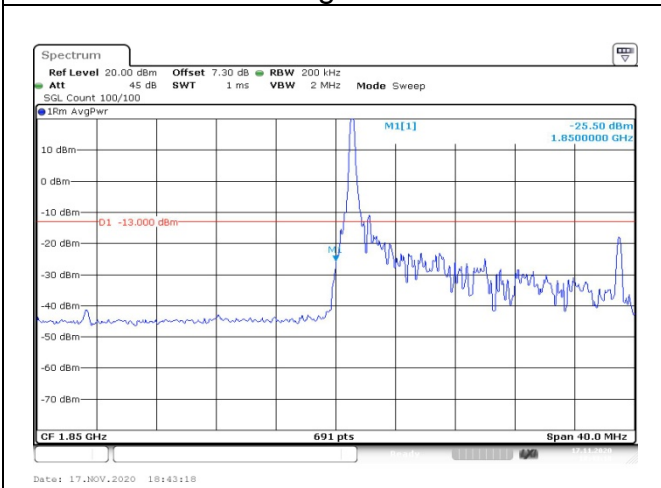


Fig.21

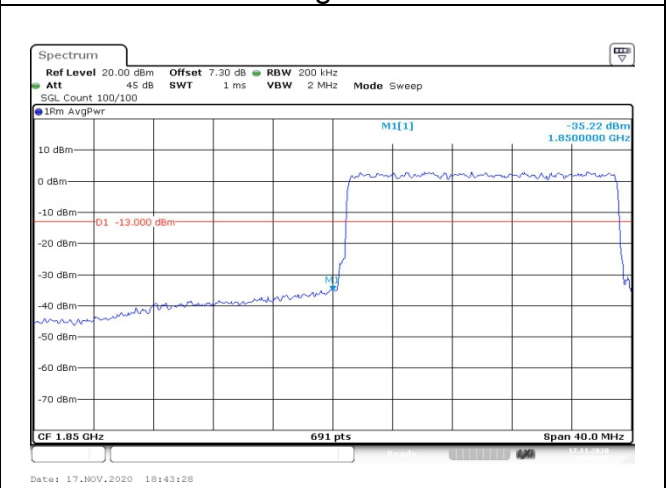


Fig.22

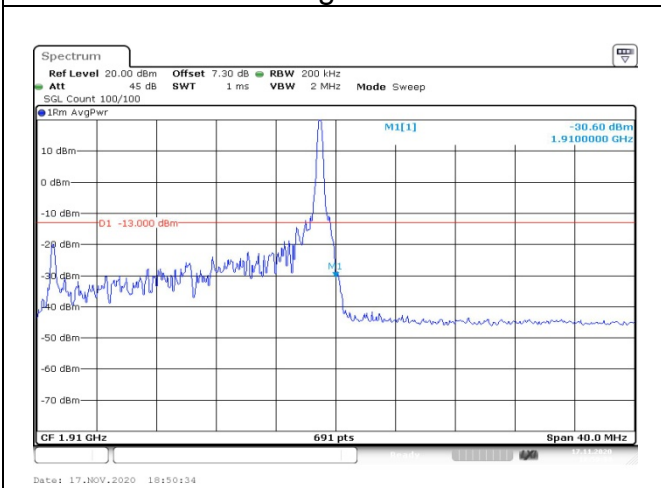


Fig.23

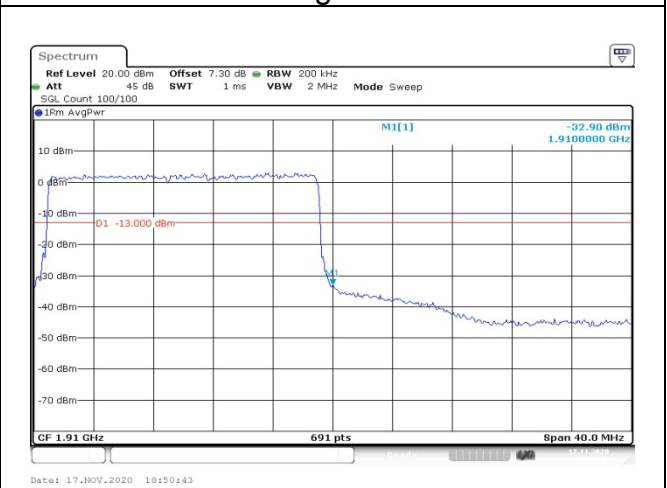


Fig.24

Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band2 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
0	NV	0.009	0.004	-0.014	-0.006	-0.001	-0.016
+10	NV	0.004	0.004	-0.007	0.016	-0.010	-0.027
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	0.010	0.023	-0.006	0.000	0.011	-0.019
+40	NV	-0.017	0.007	-0.006	-0.010	0.006	0.005
+50	NV	0.002	0.022	-0.001	0.003	0.011	-0.013
+20	LV	0.011	0.001	-0.007	0.004	-0.003	-0.004
+20	HV	0.011	0.001	-0.007	0.004	-0.003	-0.004

Temperature(°C)	Voltage	Test Result (ppm) Band2 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
0	NV	0.015	0.015	0.020	0.004	-0.006	0.012
+10	NV	0.018	0.017	0.009	0.002	-0.005	-0.001
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	0.019	0.001	0.022	0.003	-0.002	-0.014
+40	NV	0.005	0.003	0.021	0.005	-0.004	-0.001
+50	NV	0.023	0.017	0.020	0.000	0.010	-0.009
+20	LV	0.017	-0.003	0.014	-0.003	0.004	-0.005
+20	HV	0.017	-0.003	0.014	-0.003	0.004	-0.005

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	22.74	22.05	0.160
				1	3	22.72	22.03	0.160
				1	5	22.68	21.99	0.158
				3	0	22.70	22.01	0.159
				3	1	22.72	22.03	0.160
				3	3	22.70	22.01	0.159
	6	0		21.67	20.98	0.125		
	1880	18900		1	0	22.31	21.62	0.145
				1	3	22.37	21.68	0.147
				1	5	22.32	21.63	0.146
				3	0	21.82	21.13	0.130
				3	1	21.85	21.16	0.131
				3	3	21.84	21.15	0.130
	6	0		20.91	20.22	0.105		
	1909.3	19193		1	0	22.78	22.09	0.162
				1	3	22.75	22.06	0.161
				1	5	22.72	22.03	0.160
				3	0	22.74	22.05	0.160
3			1	22.71	22.02	0.159		
3			3	22.70	22.01	0.159		
16QAM	1850.7	18607	6	0	21.75	21.06	0.128	
			1	0	21.32	20.63	0.116	
			1	3	21.31	20.62	0.115	
			1	5	21.38	20.69	0.117	
			3	0	21.67	20.98	0.125	
			3	1	21.68	20.99	0.126	
	1880	18900	3	3	21.70	21.01	0.126	
			6	0	20.61	19.92	0.098	
			1	0	22.10	21.41	0.138	
			1	3	22.17	21.48	0.141	
			1	5	22.19	21.50	0.141	
			3	0	21.69	21.00	0.126	
	1909.3	19193	3	1	21.60	20.91	0.123	
			3	3	21.64	20.95	0.124	
			6	0	20.72	20.03	0.101	
			1	0	21.41	20.72	0.118	
			1	3	21.39	20.70	0.117	
			1	5	21.50	20.81	0.121	
3	0	21.79	21.10	0.129				
3	1	21.76	21.07	0.128				
3	3	21.77	21.08	0.128				
6	0	20.67	19.98	0.100				

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	22.61	21.92	0.156
				1	8	22.61	21.92	0.156
				1	14	22.68	21.99	0.158
				8	0	21.64	20.95	0.124
				8	4	21.80	21.11	0.129
				8	7	21.65	20.96	0.125
	15	0		21.75	21.06	0.128		
	1	0		22.57	21.88	0.154		
	1	8		22.50	21.81	0.152		
	1	14		22.49	21.80	0.151		
	8	0		21.41	20.72	0.118		
	8	4		21.49	20.80	0.120		
	8	7		21.41	20.72	0.118		
	15	0		21.51	20.82	0.121		
	1	0		22.48	21.79	0.151		
	1	8		22.56	21.87	0.154		
	1	14		22.55	21.86	0.153		
	8	0		21.52	20.83	0.121		
8	4	21.58	20.89	0.123				
8	7	21.58	20.89	0.123				
15	0	21.53	20.84	0.121				
16QAM	1851.5	18615	3	1	0	22.02	21.33	0.136
				1	8	21.80	21.11	0.129
				1	14	21.89	21.20	0.132
				8	0	20.99	20.30	0.107
				8	4	20.83	20.14	0.103
				8	7	20.90	20.21	0.105
	15	0		20.81	20.12	0.103		
	1	0		21.91	21.22	0.132		
	1	8		21.99	21.30	0.135		
	1	14		22.02	21.33	0.136		
	8	0		20.62	19.93	0.098		
	8	4		20.60	19.91	0.098		
	8	7		20.60	19.91	0.098		
	15	0		20.49	19.80	0.095		
	1	0		21.40	20.71	0.118		
	1	8		21.46	20.77	0.119		
	1	14		21.48	20.79	0.120		
	8	0		20.81	20.12	0.103		
8	4	20.77	20.08	0.102				
8	7	20.77	20.08	0.102				
15	0	20.76	20.07	0.102				
1908.5	19185							

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	22.54	21.85	0.153
				1	12	22.57	21.88	0.154
				1	24	22.56	21.87	0.154
				12	0	21.59	20.90	0.123
				12	7	21.73	21.04	0.127
				12	13	21.65	20.96	0.125
	25	0		21.60	20.91	0.123		
	1880	18900		1	0	22.50	21.81	0.152
				1	12	22.63	21.94	0.156
				1	24	22.56	21.87	0.154
				12	0	21.44	20.75	0.119
				12	7	21.54	20.85	0.122
				12	13	21.53	20.84	0.121
	25	0		21.42	20.73	0.118		
	1907.5	19175		1	0	22.47	21.78	0.151
				1	12	22.59	21.90	0.155
				1	24	22.49	21.80	0.151
				12	0	21.52	20.83	0.121
12			7	21.58	20.89	0.123		
12			13	21.63	20.94	0.124		
25	0	21.50	20.81	0.121				
16QAM	1852.5	18625	1	0	20.87	20.18	0.104	
			1	12	20.94	20.25	0.106	
			1	24	20.97	20.28	0.107	
			12	0	20.71	20.02	0.100	
			12	7	20.67	19.98	0.100	
			12	13	20.66	19.97	0.099	
	25	0	20.80	20.11	0.103			
	1880	18900	1	0	21.31	20.62	0.115	
			1	12	21.46	20.77	0.119	
			1	24	21.46	20.77	0.119	
			12	0	20.50	19.81	0.096	
			12	7	20.43	19.74	0.094	
			12	13	20.43	19.74	0.094	
	25	0	20.56	19.87	0.097			
	1907.5	19175	1	0	21.15	20.46	0.111	
			1	12	21.29	20.60	0.115	
			1	24	21.29	20.60	0.115	
			12	0	20.54	19.85	0.097	
12			7	20.58	19.89	0.097		
12			13	20.57	19.88	0.097		
25	0	20.75	20.06	0.101				

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	22.62	22.62	0.183
				1	25	22.59	22.59	0.182
				1	49	22.59	22.59	0.182
				25	0	21.67	21.67	0.147
				25	12	21.67	21.67	0.147
				25	25	21.67	21.67	0.147
	50	0		21.74	21.74	0.149		
	1	0		22.40	22.4	0.174		
	1	25		22.52	22.52	0.179		
	1	49		22.51	22.51	0.178		
	25	0		21.47	21.47	0.140		
	25	12		21.53	21.53	0.142		
	25	25		21.52	21.52	0.142		
	50	0		21.44	21.44	0.139		
	1	0		22.52	22.52	0.179		
	1	25		22.66	22.66	0.185		
	1	49		22.65	22.65	0.184		
	25	0		21.48	21.48	0.141		
25	12	21.53	21.53	0.142				
25	25	21.53	21.53	0.142				
50	0	21.51	21.51	0.142				
16QAM	1855	18650	10	1	0	22.09	22.09	0.162
				1	25	22.04	22.04	0.160
				1	49	21.99	21.99	0.158
				25	0	20.77	20.77	0.119
				25	12	20.77	20.77	0.119
				25	25	20.78	20.78	0.120
	50	0		20.67	20.67	0.117		
	1	0		22.23	22.23	0.167		
	1	25		22.25	22.25	0.168		
	1	49		22.24	22.24	0.167		
	25	0		20.58	20.58	0.114		
	25	12		20.62	20.62	0.115		
	25	25		20.62	20.62	0.115		
	50	0		20.68	20.68	0.117		
	1	0		21.02	21.02	0.126		
	1	25		21.16	21.16	0.131		
	1	49		21.16	21.16	0.131		
	25	0		20.65	20.65	0.116		
25	12	20.79	20.79	0.120				
25	25	20.72	20.72	0.118				
50	0	21.06	21.06	0.128				

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	22.53	21.84	0.153
				1	37	22.54	21.85	0.153
				1	74	22.49	21.80	0.151
				36	0	21.56	20.87	0.122
				36	29	21.62	20.93	0.124
				36	30	21.61	20.92	0.124
				75	0	21.61	20.92	0.124
	1880	18900		1	0	22.42	21.73	0.149
				1	37	22.43	21.74	0.149
				1	74	22.43	21.74	0.149
				36	0	21.46	20.77	0.119
				36	29	21.47	20.78	0.120
				36	30	21.47	20.78	0.120
				75	0	21.51	20.82	0.121
	1902.5	19125		1	0	22.42	21.73	0.149
				1	37	22.42	21.73	0.149
				1	74	22.40	21.71	0.148
				36	0	21.51	20.82	0.121
				36	29	21.50	20.81	0.121
				36	30	21.50	20.81	0.121
				75	0	21.50	20.81	0.121
16QAM	1857.5	18675	1	0	21.92	21.23	0.133	
			1	37	21.78	21.09	0.129	
			1	74	21.77	21.08	0.128	
			36	0	20.72	20.03	0.101	
			36	29	20.69	20.00	0.100	
			36	30	20.71	20.02	0.100	
			75	0	20.86	20.17	0.104	
	1880	18900	1	0	22.31	21.62	0.145	
			1	37	22.31	21.62	0.145	
			1	74	21.87	21.18	0.131	
			36	0	20.60	19.91	0.098	
			36	29	20.66	19.97	0.099	
			36	30	20.74	20.05	0.101	
			75	0	20.66	19.97	0.099	
	1902.5	19125	1	0	21.72	21.03	0.127	
			1	37	21.93	21.24	0.133	
			1	74	21.86	21.17	0.131	
			36	0	20.88	20.19	0.104	
			36	29	20.68	19.99	0.100	
			36	30	20.69	20.00	0.100	
			75	0	20.55	19.86	0.097	

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	22.73	22.04	0.160
				1	49	22.68	21.99	0.158
				1	99	22.66	21.97	0.157
				50	0	21.64	20.95	0.124
				50	24	21.55	20.86	0.122
				50	50	21.55	20.86	0.122
				100	0	21.67	20.98	0.125
	1880	18900		1	0	22.82	22.13	0.163
				1	49	22.76	22.07	0.161
				1	99	22.75	22.06	0.161
				50	0	21.53	20.84	0.121
				50	24	21.50	20.81	0.121
				50	50	21.50	20.81	0.121
				100	0	21.49	20.80	0.120
	1900	19100		1	0	22.52	21.83	0.152
				1	49	22.67	21.98	0.158
				1	99	22.66	21.97	0.157
				50	0	21.56	20.87	0.122
				50	24	21.58	20.89	0.123
				50	50	21.58	20.89	0.123
				100	0	21.62	20.93	0.124
16QAM	1860	18700	1	0	21.83	21.14	0.130	
			1	49	21.63	20.94	0.124	
			1	99	21.69	21.00	0.126	
			50	0	20.86	20.17	0.104	
			50	24	20.69	20.00	0.100	
			50	50	20.70	20.01	0.100	
			100	0	20.79	20.10	0.102	
	1880	18900	1	0	21.45	20.76	0.119	
			1	49	21.56	20.87	0.122	
			1	99	21.56	20.87	0.122	
			50	0	20.64	19.95	0.099	
			50	24	20.57	19.88	0.097	
			50	50	20.57	19.88	0.097	
			100	0	20.62	19.93	0.098	
	1900	19100	1	0	22.15	21.46	0.140	
			1	49	22.28	21.59	0.144	
			1	99	22.31	21.62	0.145	
			50	0	20.61	19.92	0.098	
			50	24	20.99	20.30	0.107	
			50	50	20.99	20.30	0.107	
			100	0	21.02	20.33	0.108	