

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
66	1720	132072	20	1	99	Fig.1
	1755	132422		1	99	Fig.2
	1770	132572		1	99	Fig.3

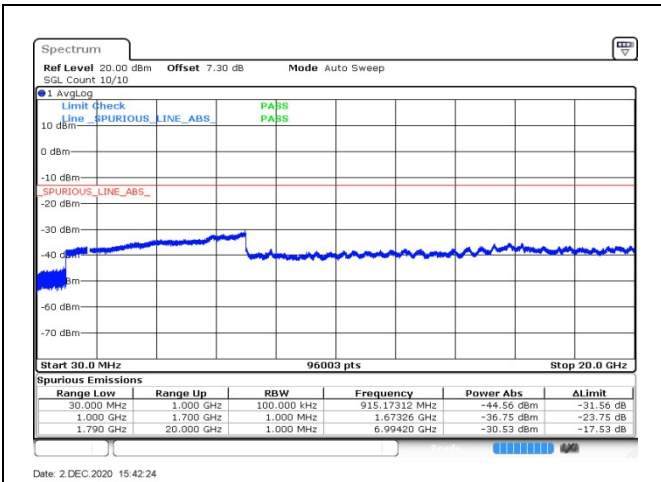


Fig.1

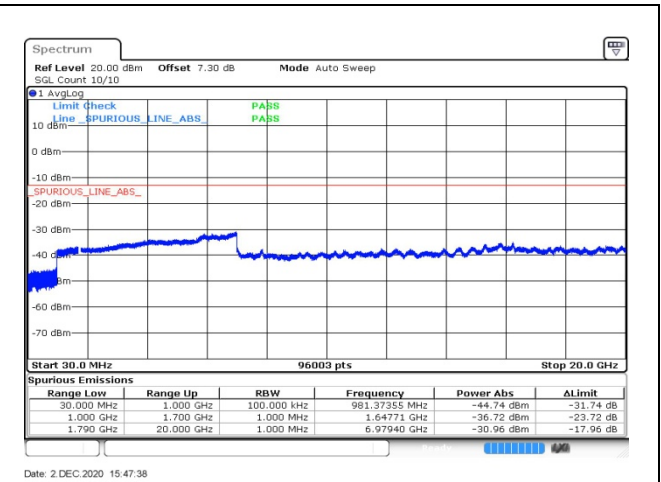


Fig.2

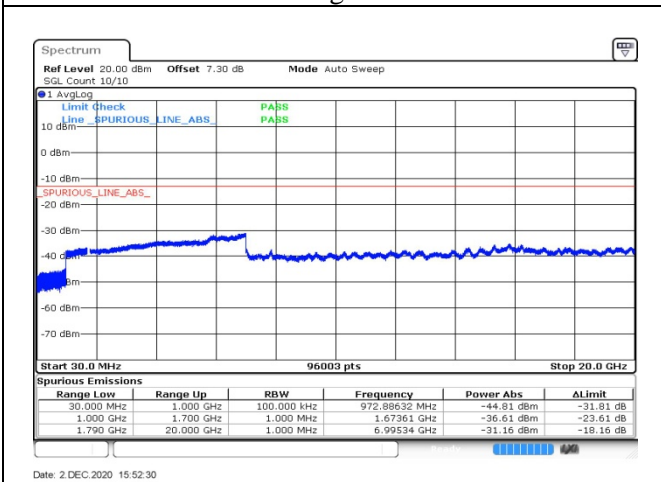


Fig.3

6 Band Edges Compliance

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot	
						QPSK	
66	1710.7	131979	1.4	1	0	Fig.1	
				6	0	Fig.2	
	1779.3	132665		1	5	Fig.3	
				6	0	Fig.4	
	1711.5	131987	3	1	0	Fig.5	
				15	0	Fig.6	
				1	14	Fig.7	
	1778.5	132657		15	0	Fig.8	
				1712.5	131997	1	0
	25	0				Fig.10	
	1	24	Fig.11				
	1777.5	132647	25	0	Fig.12		
			1715	132022	10	1	0
	50	0				Fig.14	
	1	49				Fig.15	
	50	0				Fig.16	
	1717.5	132047	15	1		0	Fig.17
				75		0	Fig.18
				1		74	Fig.19
	1772.5	132597		75		0	Fig.20
				1720	132072	20	1
	100	0					Fig.22
	1	99	Fig.23				
	100	0	Fig.24				
1770	132572						

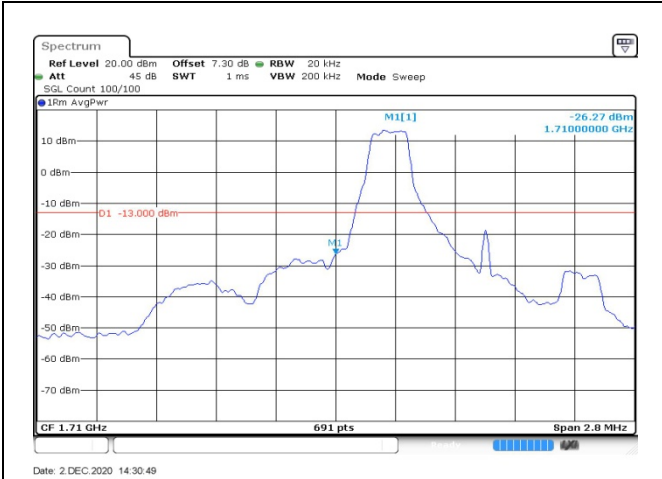


Fig.1

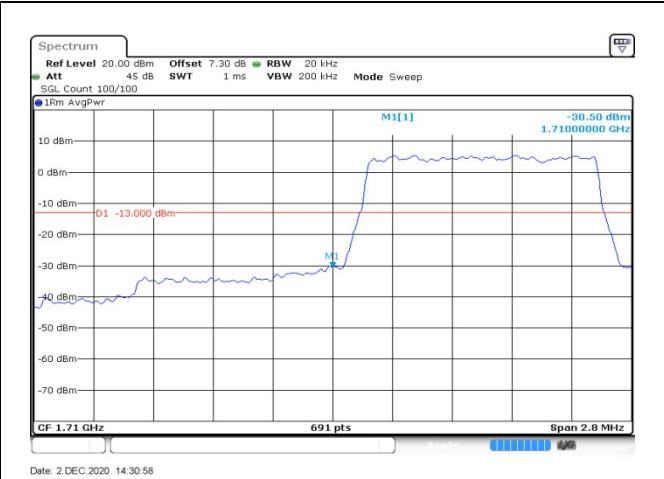


Fig.2

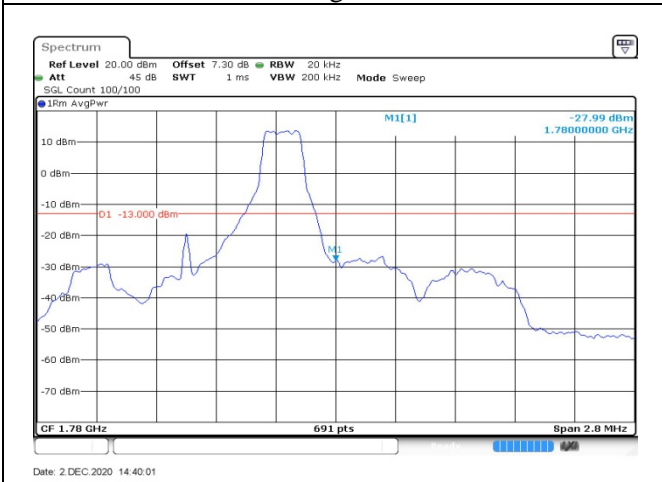


Fig.3

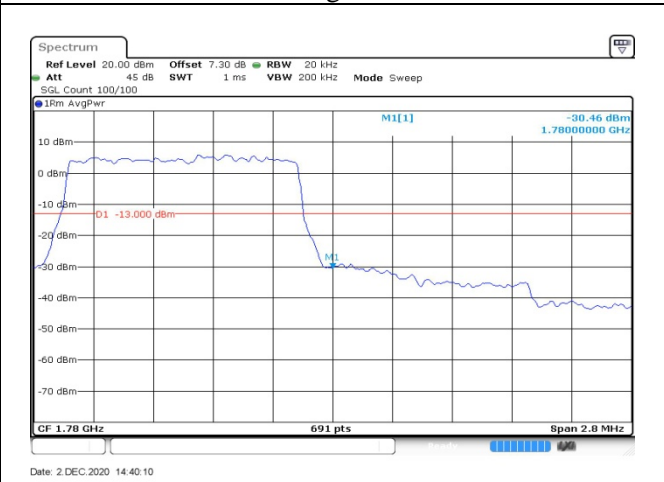


Fig.4

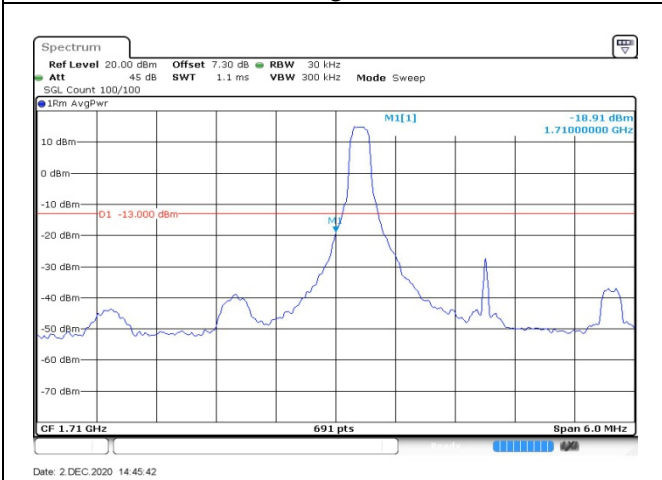


Fig.5

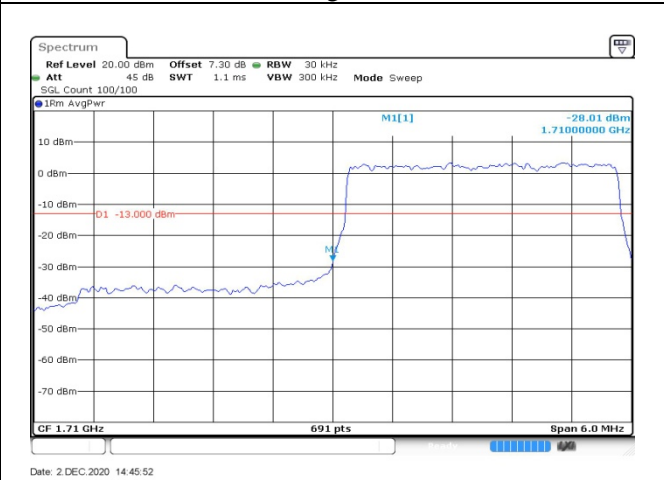
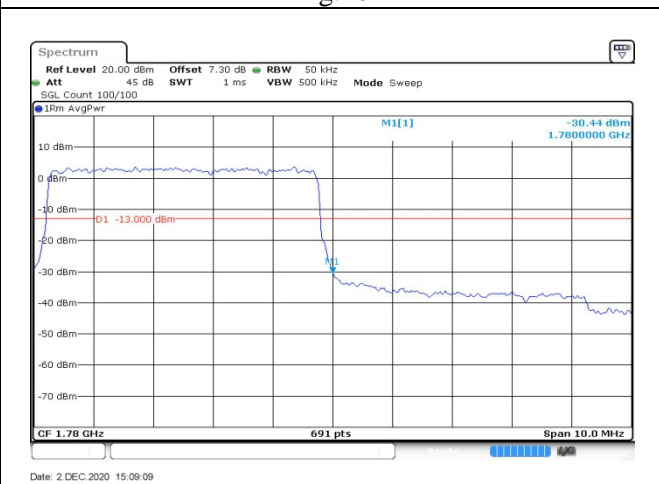
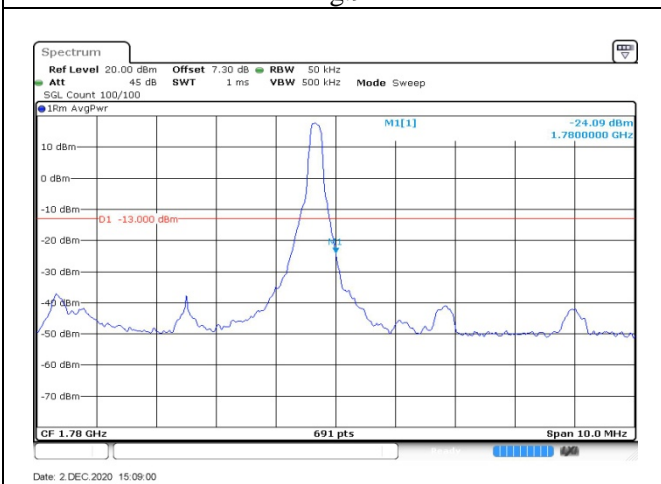
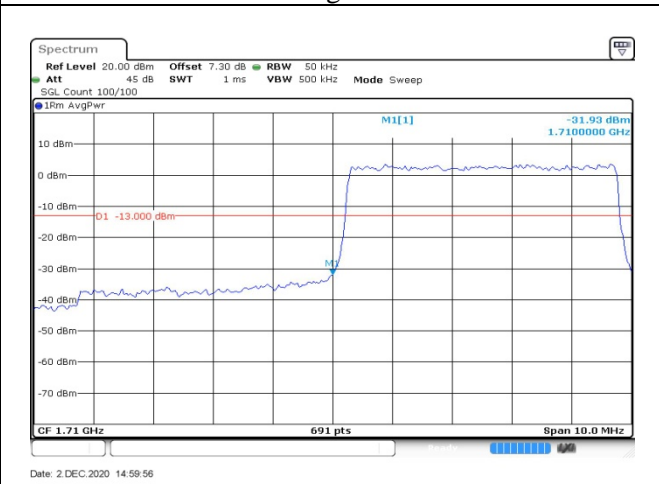
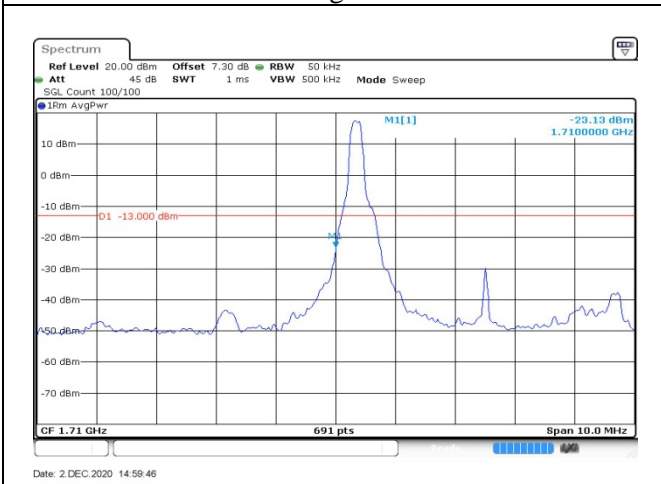
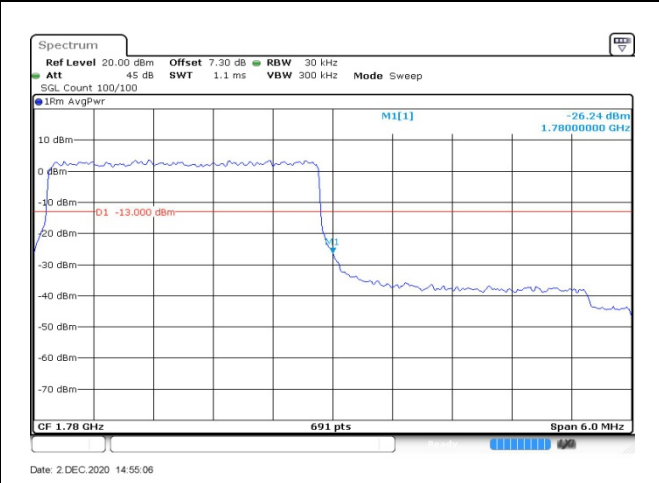
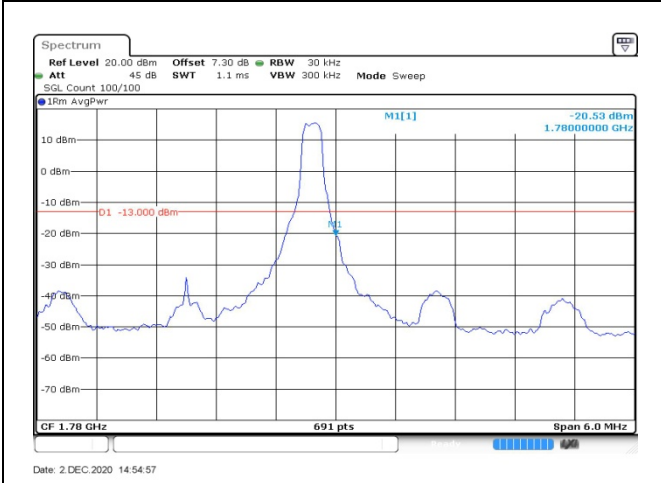


Fig.6



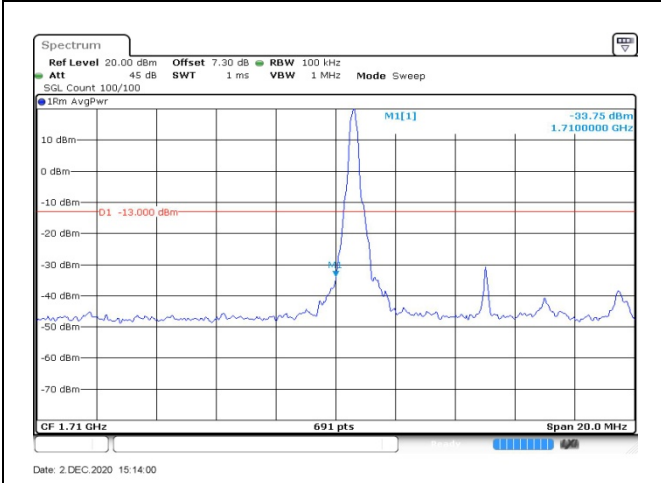


Fig.13

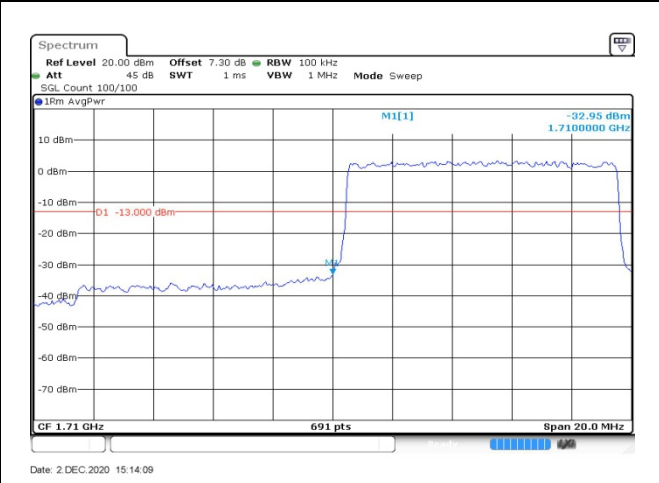


Fig.14

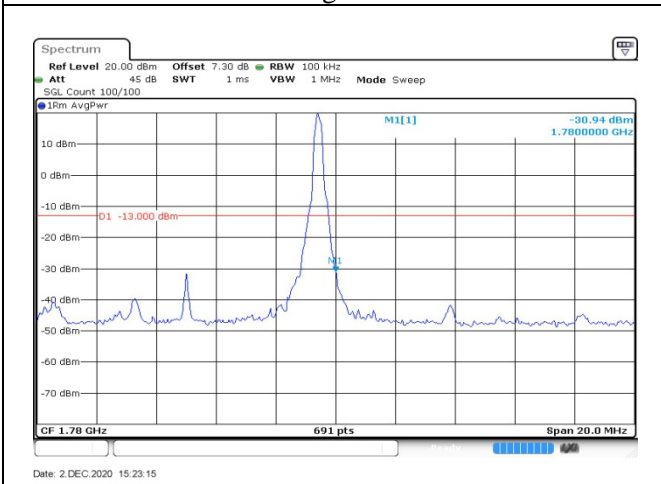


Fig.15

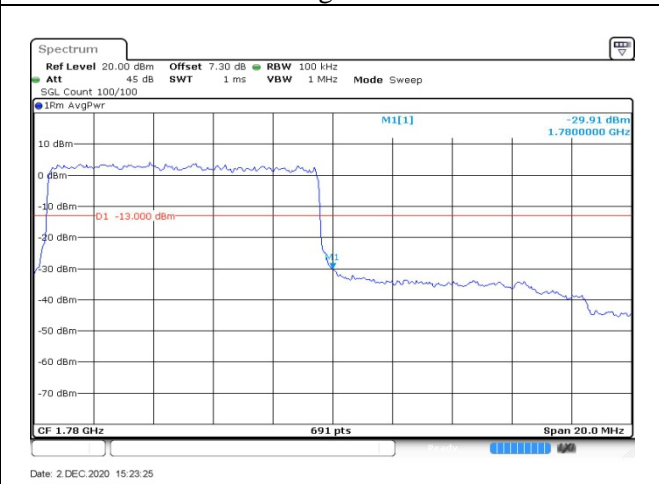


Fig.16

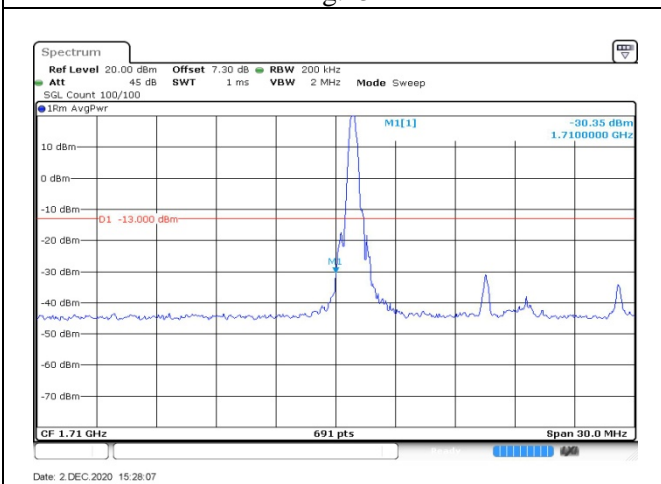


Fig.17

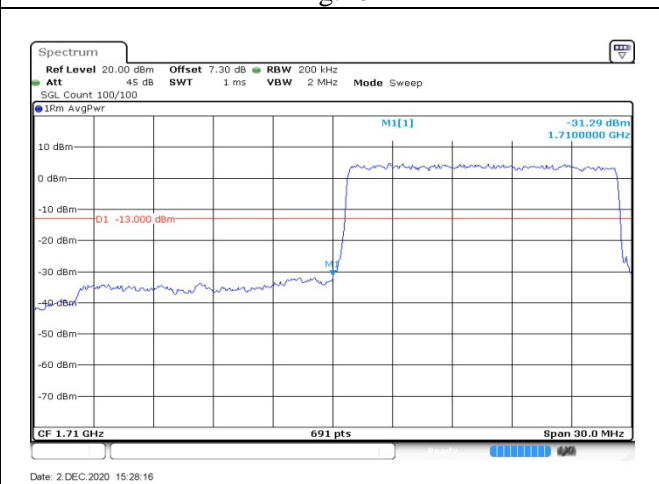


Fig.18

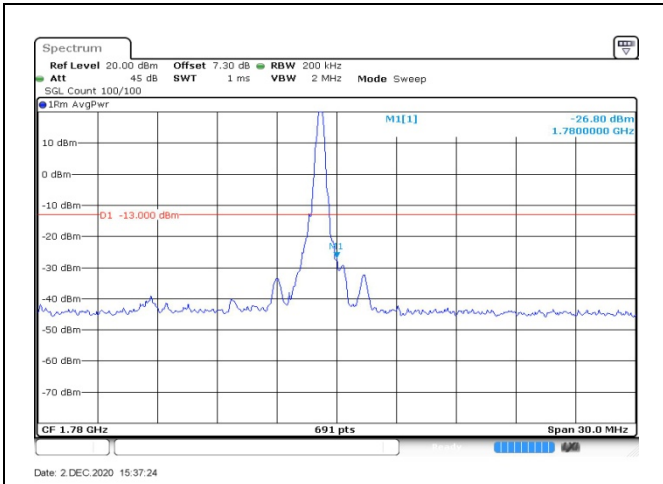


Fig.19

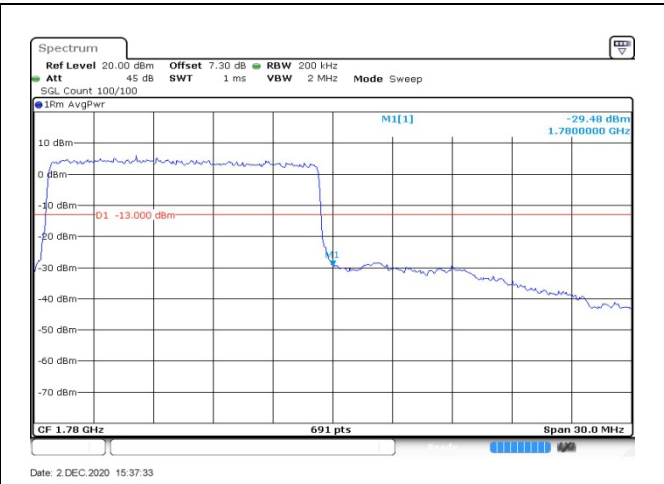


Fig.20

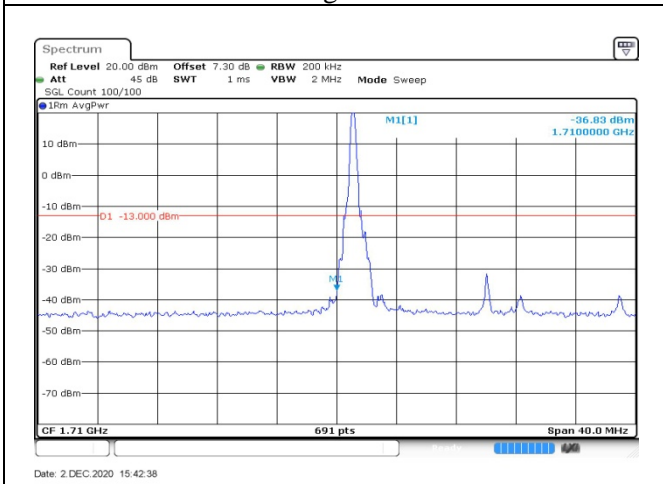


Fig.21

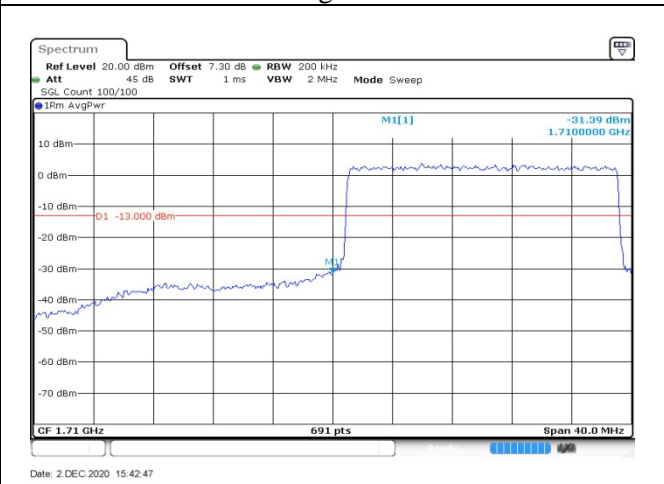


Fig.22

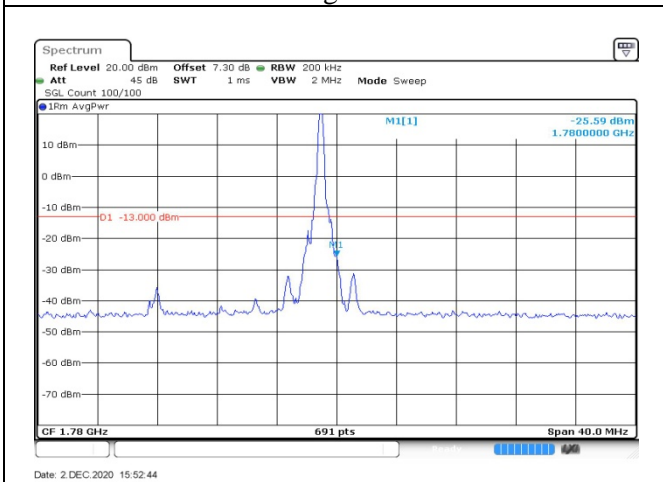


Fig.23

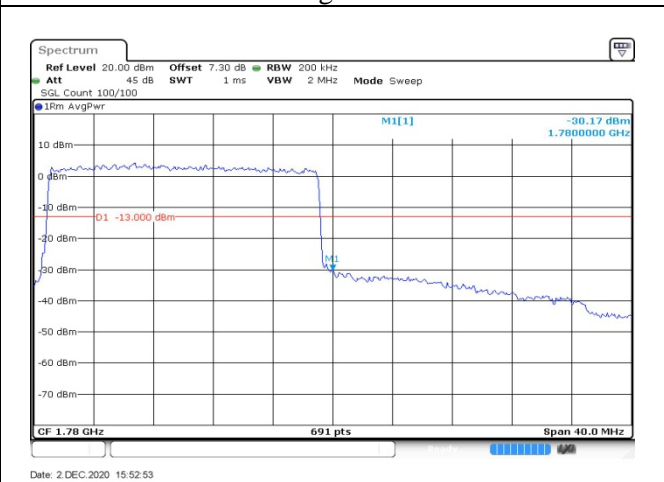


Fig.24

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band66 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-20	NV	0.004	-0.006	-0.005	0.003	-0.004	-0.002
-10	NV	-0.017	-0.010	-0.008	0.004	-0.006	-0.005
0	NV	-0.013	-0.002	-0.005	-0.007	-0.001	-0.002
+10	NV	0.002	-0.008	-0.008	0.001	0.003	0.003
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	-0.004	-0.004	0.000	-0.003	0.002	0.001
+40	NV	0.006	0.008	-0.003	-0.001	-0.003	0.005
+50	NV	-0.008	-0.001	-0.004	-0.001	0.003	0.003
+60	NV	0.009	-0.005	0.006	-0.001	0.003	0.003
+20	LV	0.000	-0.004	-0.005	0.000	-0.006	-0.004
+20	HV	-0.009	-0.003	-0.004	0.001	-0.004	0.001

Temperature(°C)	Voltage	Test Result (ppm) Band66 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-20	NV	-0.006	-0.002	-0.003	-0.001	-0.001	-0.003
-10	NV	0.000	0.000	-0.001	0.001	-0.004	-0.006
0	NV	0.006	-0.003	-0.002	0.002	0.003	0.000
+10	NV	0.003	0.000	0.002	0.002	0.002	-0.005
+20	NV	-0.002	0.002	0.000	-0.002	-0.002	-0.004
+30	NV	-0.011	-0.003	0.000	0.000	0.001	-0.007
+40	NV	0.009	-0.005	-0.001	0.005	-0.003	-0.001
+50	NV	-0.005	-0.002	0.004	0.003	-0.001	-0.005
+60	NV	0.009	-0.002	0.001	0.003	-0.002	-0.003
+20	LV	-0.004	-0.004	0.000	-0.001	-0.005	-0.003
+20	HV	0.005	0.002	0.003	0.000	0.011	-0.005

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	1710.7	131979	1.4	1	0	22.58	24.28	0.268
				1	3	22.67	24.37	0.274
				1	5	22.59	24.29	0.269
				3	0	22.65	24.35	0.272
				3	1	22.59	24.29	0.269
				3	3	22.63	24.33	0.271
	6	0		21.57	23.27	0.212		
	1	0		22.76	24.46	0.279		
	1	3		22.75	24.45	0.279		
	1	5		22.83	24.53	0.284		
	3	0		22.73	24.43	0.277		
	3	1		22.77	24.47	0.280		
	3	3		22.83	24.53	0.284		
	6	0		21.82	23.52	0.225		
	1	0		22.83	24.53	0.284		
	1	3		22.78	24.48	0.281		
	1	5		22.76	24.46	0.279		
	3	0		22.78	24.48	0.281		
	3	1		22.85	24.55	0.285		
	3	3		22.83	24.53	0.284		
	6	0		21.85	23.55	0.226		
	1	0		21.72	23.42	0.220		
	1	3		21.73	23.43	0.220		
	1	5		21.71	23.41	0.219		
3	0	21.66	23.36	0.217				
3	1	21.64	23.34	0.216				
3	3	21.68	23.38	0.218				
6	0	20.71	22.41	0.174				
1	0	21.92	23.62	0.230				
1	3	21.96	23.66	0.232				
1	5	21.95	23.65	0.232				
3	0	21.93	23.63	0.231				
3	1	21.96	23.66	0.232				
3	3	21.98	23.68	0.233				
6	0	20.73	22.43	0.175				
1	0	21.94	23.64	0.231				
1	3	21.99	23.69	0.234				
1	5	21.99	23.69	0.234				
3	0	21.91	23.61	0.230				
3	1	21.98	23.68	0.233				
3	3	21.91	23.61	0.230				
6	0	20.77	22.47	0.177				
16QAM	1710.7	131979	1.4	1	0	21.72	23.42	0.220
				1	3	21.73	23.43	0.220
				1	5	21.71	23.41	0.219
				3	0	21.66	23.36	0.217
				3	1	21.64	23.34	0.216
				3	3	21.68	23.38	0.218
	6	0		20.71	22.41	0.174		
	1	0		21.92	23.62	0.230		
	1	3		21.96	23.66	0.232		
	1	5		21.95	23.65	0.232		
	3	0		21.93	23.63	0.231		
	3	1		21.96	23.66	0.232		
	3	3		21.98	23.68	0.233		
	6	0		20.73	22.43	0.175		
	1	0		21.94	23.64	0.231		
	1	3		21.99	23.69	0.234		
	1	5		21.99	23.69	0.234		
	3	0		21.91	23.61	0.230		
	3	1		21.98	23.68	0.233		
	3	3		21.91	23.61	0.230		
	6	0		20.77	22.47	0.177		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
64QAM	1710.7	131979	1.4	1	0	20.70	22.40	0.174
				1	3	20.70	22.40	0.174
				1	5	20.70	22.40	0.174
				3	0	20.71	22.41	0.174
				3	1	20.71	22.41	0.174
				3	3	20.69	22.39	0.173
	6	0		20.68	22.38	0.173		
	1755	132422		1	0	20.72	22.42	0.175
				1	3	20.72	22.42	0.175
				1	5	20.73	22.43	0.175
				3	0	20.72	22.42	0.175
				3	1	20.72	22.42	0.175
				3	3	20.71	22.41	0.174
	1779.3	132665		6	0	20.71	22.41	0.174
				1	0	20.79	22.49	0.177
				1	3	20.78	22.48	0.177
				1	5	20.78	22.48	0.177
				3	0	20.79	22.49	0.177
				3	1	20.78	22.48	0.177
				3	3	20.78	22.48	0.177
				6	0	20.78	22.48	0.177

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
QPSK	1711.5	131987	3	1	0	22.68	24.38	0.274
				1	8	22.65	24.35	0.272
				1	14	22.60	24.30	0.269
				8	0	21.76	23.46	0.222
				8	4	21.72	23.42	0.220
				8	7	21.69	23.39	0.218
				15	0	21.73	23.43	0.220
	1755	132422		1	0	22.80	24.50	0.282
				1	8	22.89	24.59	0.288
				1	14	22.86	24.56	0.286
				8	0	21.98	23.68	0.233
				8	4	21.92	23.62	0.230
				8	7	21.91	23.61	0.230
				15	0	21.94	23.64	0.231
	1778.5	132657		1	0	22.82	24.52	0.283
				1	8	22.91	24.61	0.289
				1	14	22.90	24.60	0.288
				8	0	21.90	23.60	0.229
				8	4	21.93	23.63	0.231
				8	7	22.00	23.70	0.234
				15	0	21.88	23.58	0.228
16QAM	1711.5	131987	1	0	21.79	23.49	0.223	
			1	8	21.77	23.47	0.222	
			1	14	21.80	23.50	0.224	
			8	0	20.82	22.52	0.179	
			8	4	20.81	22.51	0.178	
			8	7	20.79	22.49	0.177	
			15	0	20.86	22.56	0.180	
	1755	132422	1	0	22.00	23.70	0.234	
			1	8	21.99	23.69	0.234	
			1	14	22.05	23.75	0.237	
			8	0	20.93	22.63	0.183	
			8	4	21.02	22.72	0.187	
			8	7	20.95	22.65	0.184	
			15	0	21.01	22.71	0.187	
	1778.5	132657	1	0	21.99	23.69	0.234	
			1	8	22.05	23.75	0.237	
			1	14	22.03	23.73	0.236	
			8	0	20.92	22.62	0.183	
			8	4	20.99	22.69	0.186	
			8	7	21.04	22.74	0.188	
			15	0	20.98	22.68	0.185	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)		
64QAM	1711.5	131987	3	1	0	20.86	22.56	0.180		
				1	8	20.86	22.56	0.180		
				1	14	20.85	22.55	0.180		
				8	0	20.85	22.55	0.180		
				8	4	20.84	22.54	0.179		
				8	7	20.85	22.55	0.180		
	15	0		20.84	22.54	0.179				
	1	0		21.00	22.70	0.186				
	1	8		21.00	22.70	0.186				
	1	14		21.02	22.72	0.187				
	8	0		20.99	22.69	0.186				
	8	4		20.99	22.69	0.186				
	8	7		20.99	22.69	0.186				
	15	0		20.97	22.67	0.185				
	1	0		20.98	22.68	0.185				
	1	8		20.99	22.69	0.186				
	1	14		20.98	22.68	0.185				
	8	0		20.98	22.68	0.185				
	8	4		20.97	22.67	0.185				
	8	7		20.98	22.68	0.185				
	15	0		20.96	22.66	0.185				
	1755	132422		132422	3	1	0	20.98	22.68	0.185
						1	8	20.99	22.69	0.186
						1	14	20.98	22.68	0.185
8			0			20.98	22.68	0.185		
8			4			20.97	22.67	0.185		
8			7			20.98	22.68	0.185		
15	0	20.96	22.66	0.185						
1778.5	132657	132657	3	1		0	20.98	22.68	0.185	
				1		8	20.99	22.69	0.186	
				1		14	20.98	22.68	0.185	
				8		0	20.98	22.68	0.185	
				8		4	20.97	22.67	0.185	
				8		7	20.98	22.68	0.185	
15	0	20.96		22.66		0.185				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)	
QPSK	1712.5	131997	5	1	0	22.59	24.29	0.269	
				1	12	22.66	24.36	0.273	
				1	24	22.71	24.41	0.276	
				12	0	21.78	23.48	0.223	
				12	7	21.79	23.49	0.223	
				12	13	21.75	23.45	0.221	
				25	0	21.81	23.51	0.224	
	1755	132422		1	0	22.82	24.52	0.283	
				1	12	22.89	24.59	0.288	
				1	24	22.91	24.61	0.289	
				12	0	21.88	23.58	0.228	
				12	7	21.91	23.61	0.230	
				12	13	21.97	23.67	0.233	
				25	0	21.89	23.59	0.229	
	1777.5	132647		1	0	22.84	24.54	0.284	
				1	12	22.92	24.62	0.290	
				1	24	22.88	24.58	0.287	
				12	0	21.90	23.60	0.229	
				12	7	21.95	23.65	0.232	
				12	13	21.96	23.66	0.232	
				25	0	21.96	23.66	0.232	
	16QAM	1712.5		131997	1	0	21.75	23.45	0.221
					1	12	21.83	23.53	0.225
					1	24	21.84	23.54	0.226
12			0		20.80	22.50	0.178		
12			7		20.75	22.45	0.176		
12			13		20.75	22.45	0.176		
25			0		20.85	22.55	0.180		
1755		132422	1	0	21.91	23.61	0.230		
			1	12	22.06	23.76	0.238		
			1	24	22.05	23.75	0.237		
			12	0	20.88	22.58	0.181		
			12	7	20.95	22.65	0.184		
			12	13	20.87	22.57	0.181		
			25	0	20.95	22.65	0.184		
1777.5		132647	1	0	21.94	23.64	0.231		
			1	12	22.01	23.71	0.235		
			1	24	22.01	23.71	0.235		
			12	0	20.89	22.59	0.182		
			12	7	20.94	22.64	0.184		
			12	13	20.97	22.67	0.185		
			25	0	21.02	22.72	0.187		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1712.5	131997	5	1	0	20.85	22.55	0.180
				1	12	20.84	22.54	0.179
				1	24	20.85	22.55	0.180
				12	0	20.85	22.55	0.180
				12	7	20.84	22.54	0.179
				12	13	20.82	22.52	0.179
				25	0	20.83	22.53	0.179
	1755	132422		1	0	21.00	22.70	0.186
				1	12	20.99	22.69	0.186
				1	24	21.00	22.70	0.186
				12	0	20.98	22.68	0.185
				12	7	20.96	22.66	0.185
				12	13	20.98	22.68	0.185
				25	0	20.98	22.68	0.185
	1777.5	132647		1	0	21.00	22.70	0.186
				1	12	21.00	22.70	0.186
				1	24	21.00	22.70	0.186
				12	0	21.00	22.70	0.186
				12	7	20.99	22.69	0.186
				12	13	20.99	22.69	0.186
				25	0	21.00	22.70	0.186

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)	
QPSK	1715	132022	10	1	0	22.52	24.22	0.264	
				1	25	22.52	24.22	0.264	
				1	49	22.52	24.22	0.264	
				25	0	21.71	23.41	0.219	
				25	12	21.66	23.36	0.217	
				25	25	21.63	23.33	0.215	
	1755	132422		50	0	21.73	23.43	0.220	
				1	0	22.68	24.38	0.274	
				1	25	22.79	24.49	0.281	
				1	49	22.88	24.58	0.287	
				25	0	21.89	23.59	0.229	
				25	12	21.89	23.59	0.229	
	1775	132622		25	25	21.88	23.58	0.228	
				50	0	21.86	23.56	0.227	
				1	0	22.78	24.48	0.281	
				1	25	22.73	24.43	0.277	
				1	49	22.73	24.43	0.277	
				25	0	21.93	23.63	0.231	
	16QAM	1715		132022	25	12	21.86	23.56	0.227
					25	25	21.88	23.58	0.228
					50	0	21.89	23.59	0.229
					1	0	21.77	23.47	0.222
					1	25	21.68	23.38	0.218
					1	49	21.77	23.47	0.222
1755		132422	25	0	20.88	22.58	0.181		
			25	12	20.85	22.55	0.180		
			25	25	20.79	22.49	0.177		
			50	0	20.75	22.45	0.176		
			1	0	21.82	23.52	0.225		
			1	25	21.93	23.63	0.231		
1775		132622	1	49	21.93	23.63	0.231		
			25	0	21.00	22.70	0.186		
			25	12	20.98	22.68	0.185		
			25	25	20.99	22.69	0.186		
			50	0	20.99	22.69	0.186		
			1	0	22.06	23.76	0.238		
1775		132622	1	25	22.02	23.72	0.236		
			1	49	22.00	23.70	0.234		
			25	0	21.00	22.70	0.186		
			25	12	20.93	22.63	0.183		
			25	25	21.00	22.70	0.186		
			50	0	20.96	22.66	0.185		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
64QAM	1715	132022	10	1	0	20.80	22.50	0.178	
				1	25	20.82	22.52	0.179	
				1	49	20.81	22.51	0.178	
				25	0	20.74	22.44	0.175	
				25	12	20.81	22.51	0.178	
				25	25	20.81	22.51	0.178	
	1755	132422		50	0	20.80	22.50	0.178	
				1	0	20.96	22.66	0.185	
				1	25	20.93	22.63	0.183	
				1	49	20.98	22.68	0.185	
				25	0	20.89	22.59	0.182	
				25	12	20.99	22.69	0.186	
	1775	132622		25	25	20.93	22.63	0.183	
				50	0	20.95	22.65	0.184	
				1	0	20.98	22.68	0.185	
				1	25	20.90	22.60	0.182	
				1	49	20.91	22.61	0.182	
				25	0	20.92	22.62	0.183	
					25	12	20.99	22.69	0.186
					25	25	20.99	22.69	0.186
					50	0	20.89	22.59	0.182

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
QPSK	1717.5	132047	15	1	0	22.88	24.58	0.287
				1	37	22.75	24.45	0.279
				1	74	22.67	24.37	0.274
				36	0	21.93	23.63	0.231
				36	29	21.89	23.59	0.229
				36	30	21.82	23.52	0.225
				75	0	21.84	23.54	0.226
	1755	132422		1	0	22.95	24.65	0.292
				1	37	23.03	24.73	0.297
				1	74	22.97	24.67	0.293
				36	0	22.13	23.83	0.242
				36	29	22.07	23.77	0.238
				36	30	22.10	23.80	0.240
				75	0	22.06	23.76	0.238
	1772.5	132597		1	0	23.21	24.91	0.310
				1	37	23.06	24.76	0.299
				1	74	22.99	24.69	0.294
				36	0	22.25	23.95	0.248
				36	29	22.12	23.82	0.241
				36	30	22.10	23.80	0.240
				75	0	22.15	23.85	0.243
16QAM	1717.5	132047	1	0	22.33	24.03	0.253	
			1	37	22.35	24.05	0.254	
			1	74	22.27	23.97	0.249	
			36	0	21.00	22.70	0.186	
			36	29	20.80	22.50	0.178	
			36	30	20.83	22.53	0.179	
			75	0	20.82	22.52	0.179	
	1755	132422	1	0	22.45	24.15	0.260	
			1	37	22.72	24.42	0.277	
			1	74	22.61	24.31	0.270	
			36	0	21.05	22.75	0.188	
			36	29	21.09	22.79	0.190	
			36	30	21.12	22.82	0.191	
			75	0	21.08	22.78	0.190	
	1772.5	132597	1	0	22.84	24.54	0.284	
			1	37	22.57	24.27	0.267	
			1	74	22.48	24.18	0.262	
			36	0	21.20	22.90	0.195	
			36	29	21.10	22.80	0.191	
			36	30	21.11	22.81	0.191	
			75	0	21.12	22.82	0.191	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1717.5	132047	15	1	0	20.93	22.63	0.183
				1	37	20.88	22.58	0.181
				1	74	20.93	22.63	0.183
				36	0	20.85	22.55	0.180
				36	29	20.85	22.55	0.180
				36	30	20.86	22.56	0.180
				75	0	20.89	22.59	0.182
	1755	132422		1	0	21.06	22.76	0.189
				1	37	21.13	22.83	0.192
				1	74	21.07	22.77	0.189
				36	0	21.06	22.76	0.189
				36	29	21.07	22.77	0.189
				36	30	21.06	22.76	0.189
				75	0	21.06	22.76	0.189
	1772.5	132597		1	0	21.15	22.85	0.193
				1	37	21.13	22.83	0.192
				1	74	21.13	22.83	0.192
				36	0	21.13	22.83	0.192
				36	29	21.13	22.83	0.192
				36	30	21.13	22.83	0.192
				75	0	21.13	22.83	0.192

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
QPSK	1720	132072	20	1	0	22.77	24.47	0.280	
				1	49	22.82	24.52	0.283	
				1	99	22.88	24.58	0.287	
				50	0	21.90	23.60	0.229	
				50	24	21.75	23.45	0.221	
				50	50	21.84	23.54	0.226	
	100	0		21.91	23.61	0.230			
	1	0		23.08	24.78	0.301			
	1	49		22.98	24.68	0.294			
	1	99		22.97	24.67	0.293			
	50	0		22.06	23.76	0.238			
	50	24		22.08	23.78	0.239			
	50	50		22.13	23.83	0.242			
	100	0		22.06	23.76	0.238			
	1	0		23.33	25.03	0.318			
	1	49		22.99	24.69	0.294			
	1	99		23.00	24.70	0.295			
	50	0		22.19	23.89	0.245			
	50	24		22.06	23.76	0.238			
	50	50		22.13	23.83	0.242			
	100	0		22.11	23.81	0.240			
	16QAM	1720		132072	1	0	22.59	24.29	0.269
					1	49	22.53	24.23	0.265
					1	99	22.44	24.14	0.259
50			0		20.90	22.60	0.182		
50			24		20.89	22.59	0.182		
50			50		20.92	22.62	0.183		
100		0	20.90	22.60	0.182				
1		0	22.74	24.44	0.278				
1		49	22.67	24.37	0.274				
1		99	22.64	24.34	0.272				
50		0	21.12	22.82	0.191				
50		24	21.15	22.85	0.193				
50		50	21.13	22.83	0.192				
100		0	21.11	22.81	0.191				
1		0	22.88	24.58	0.287				
1		49	22.57	24.27	0.267				
1		99	22.57	24.27	0.267				
50		0	21.24	22.94	0.197				
50		24	21.07	22.77	0.189				
50		50	21.08	22.78	0.190				
100		0	21.15	22.85	0.193				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1720	132072	20	1	0	20.90	22.60	0.182
				1	49	20.91	22.61	0.182
				1	99	20.89	22.59	0.182
				50	0	20.89	22.59	0.182
				50	24	20.91	22.61	0.182
				50	50	20.90	22.60	0.182
				100	0	20.98	22.68	0.185
	1755	132422		1	0	21.09	22.79	0.190
				1	49	21.18	22.88	0.194
				1	99	21.18	22.88	0.194
				50	0	21.08	22.78	0.190
				50	24	21.18	22.88	0.194
				50	50	21.13	22.83	0.192
				100	0	21.17	22.87	0.194
	1770	132572		1	0	21.15	22.85	0.193
				1	49	21.16	22.86	0.193
				1	99	21.16	22.86	0.193
				50	0	21.15	22.85	0.193
				50	24	21.15	22.85	0.193
				50	50	21.15	22.85	0.193
				100	0	21.14	22.84	0.192