

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
4	1720	20050	20	1	99	Fig.1
	1732.5	20175		1	99	Fig.2
	1745	20300		1	99	Fig.3

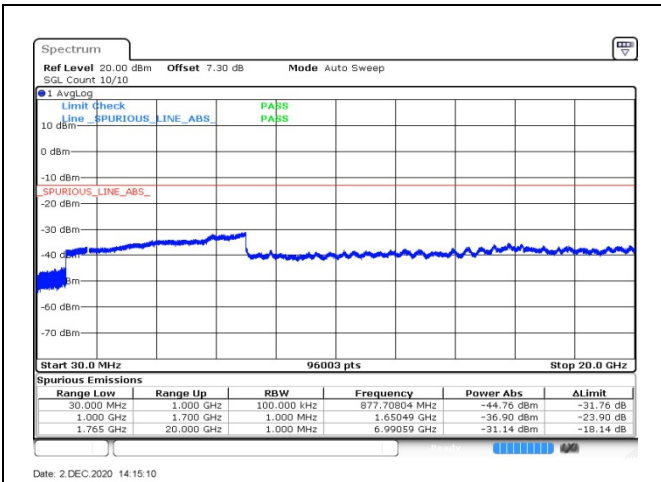


Fig.1

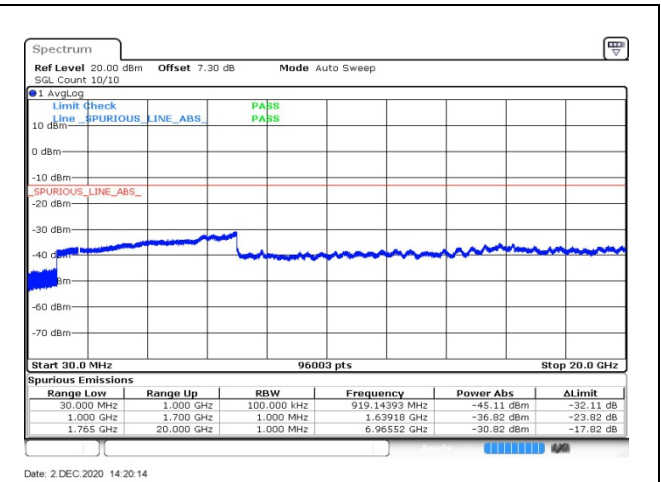


Fig.2

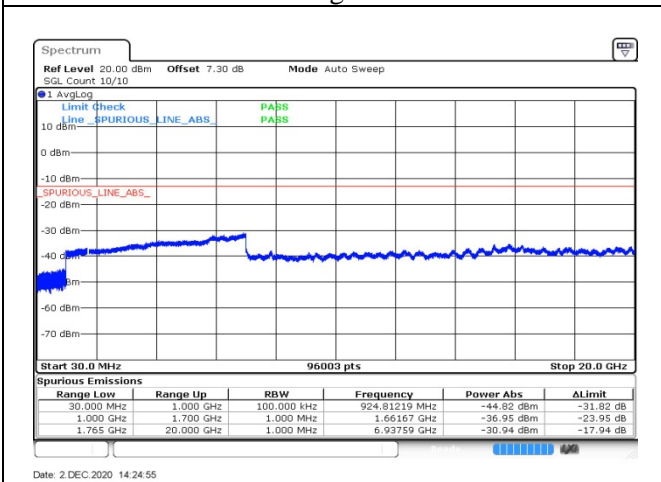


Fig.3

6 Band Edges Compliance

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot	
						QPSK	
4	1710.7	19957	1.4	1	0	Fig.1	
				6	0	Fig.2	
	1754.3	20393		1	5	Fig.3	
				6	0	Fig.4	
	1711.5	19965	3	1	0	Fig.5	
				15	0	Fig.6	
				1	14	Fig.7	
	1753.5	20385		15	0	Fig.8	
				1712.5	19975	5	1
	25	0					Fig.10
	1	24	Fig.11				
	1752.5	20375	25	0	Fig.12		
			1715	20000	10		1
	50	0					Fig.14
	1	49				Fig.15	
	50	0				Fig.16	
	1717.5	20025	15	1		0	Fig.17
				75		0	Fig.18
				1		74	Fig.19
	1747.5	20325		75		0	Fig.20
				1720	20050	20	1
	100	0					Fig.22
	1	99	Fig.23				
	1745	20300	100				0

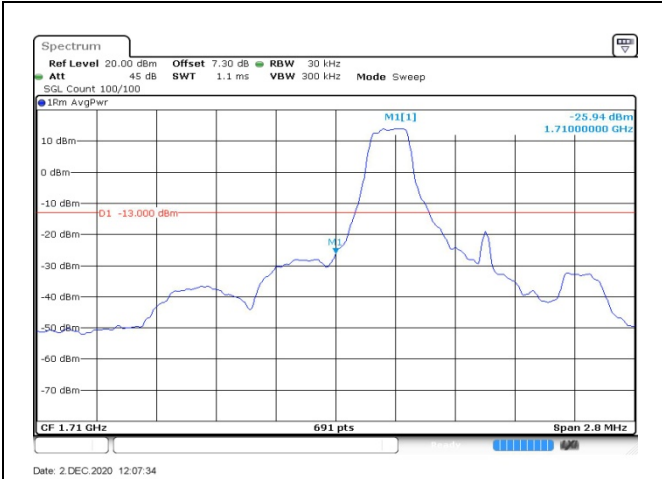


Fig.1

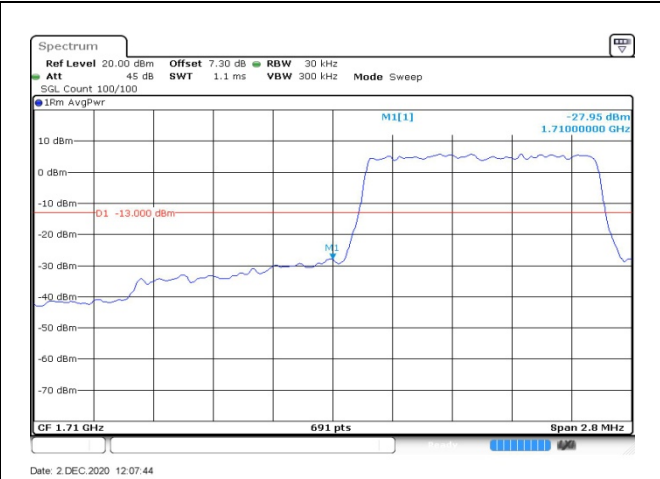


Fig.2

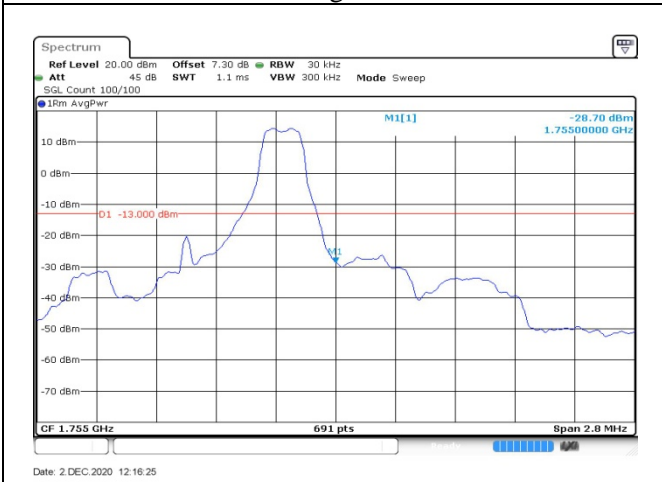


Fig.3

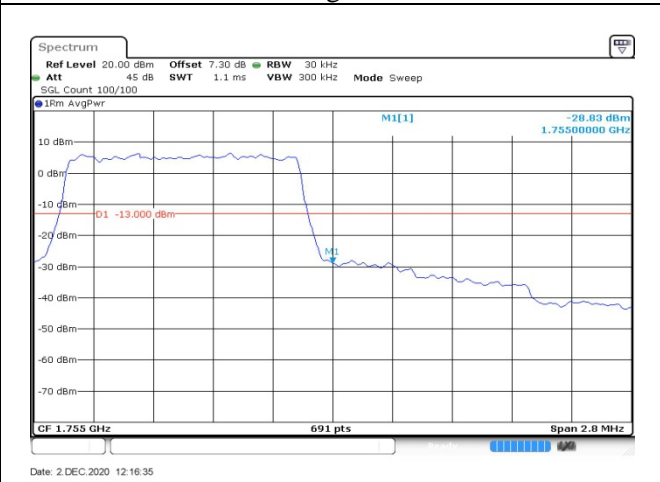


Fig.4

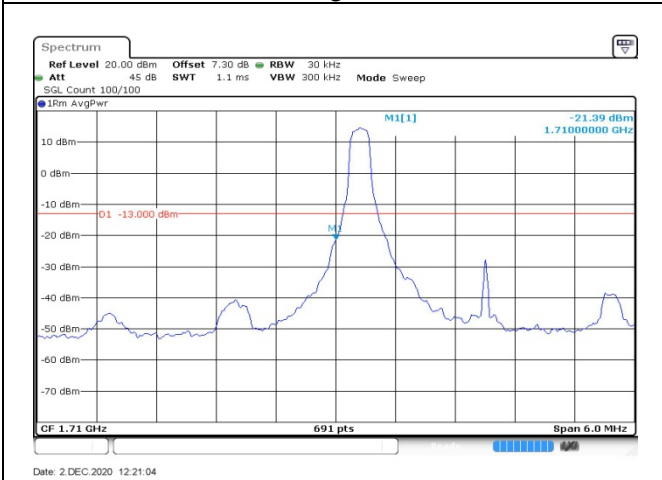


Fig.5

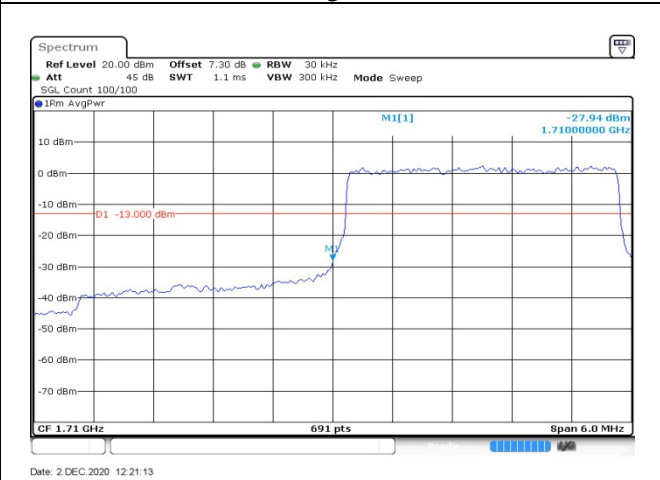


Fig.6

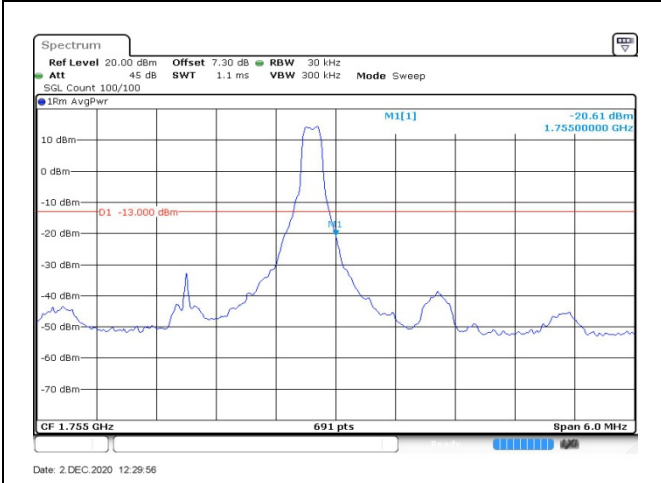


Fig.7

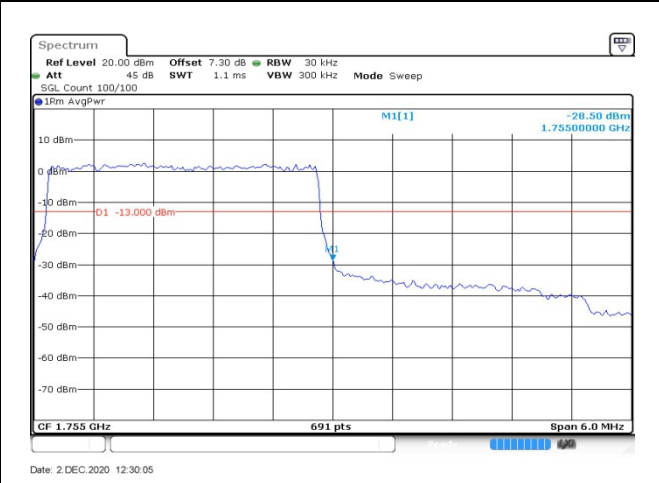


Fig.8

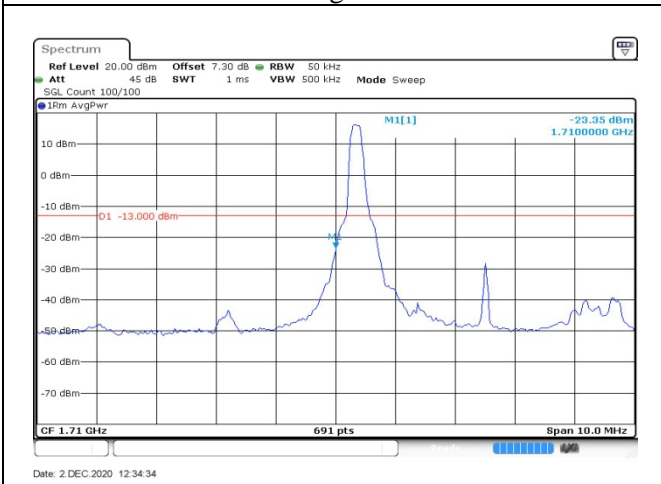


Fig.9

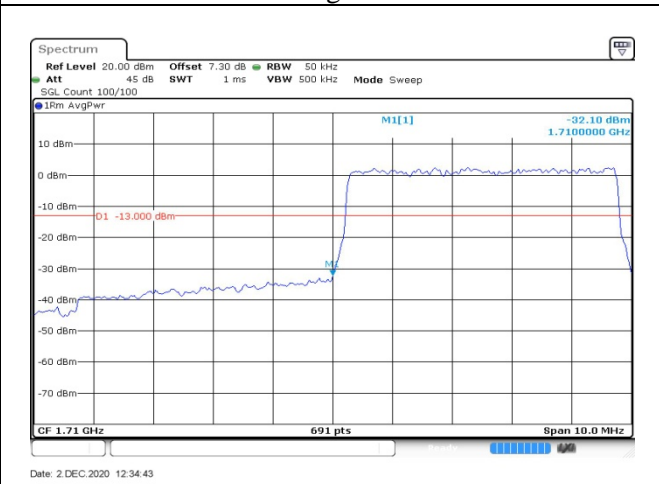


Fig.10

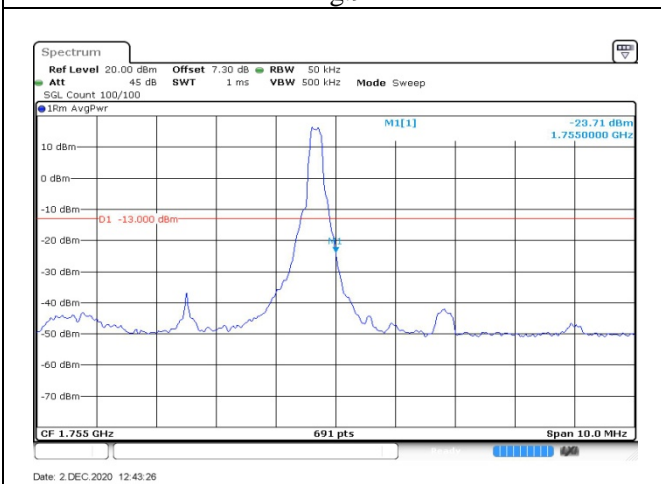


Fig.11

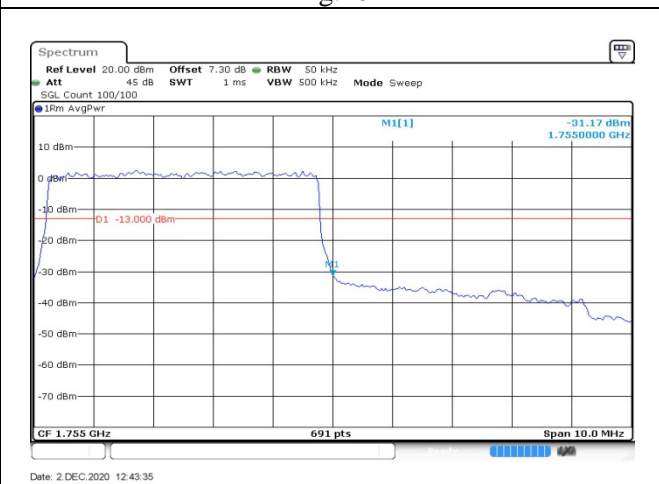


Fig.12

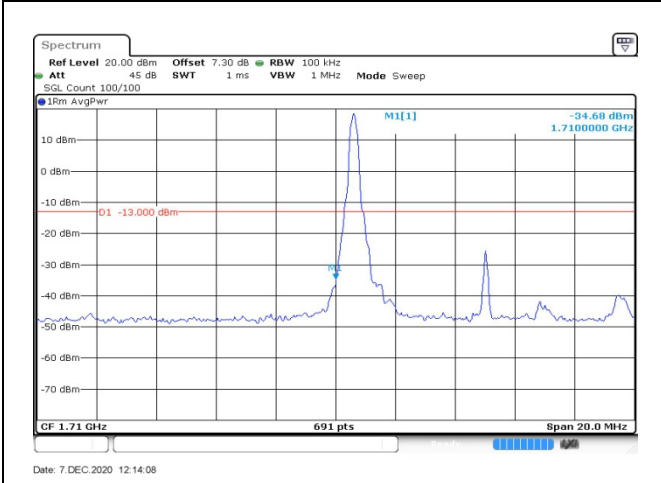


Fig.13

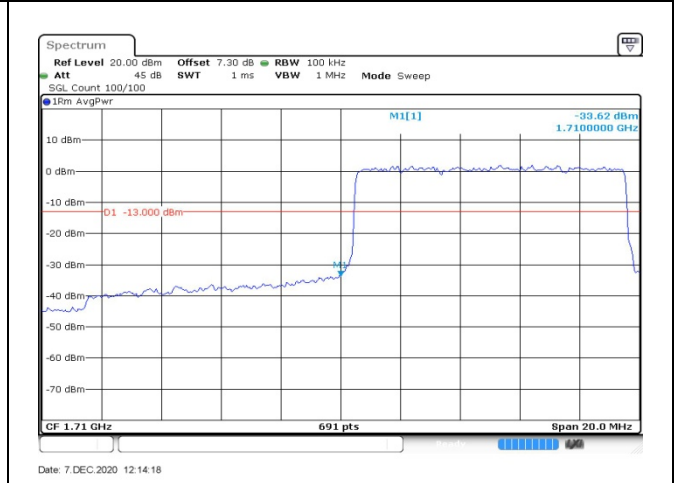


Fig.14

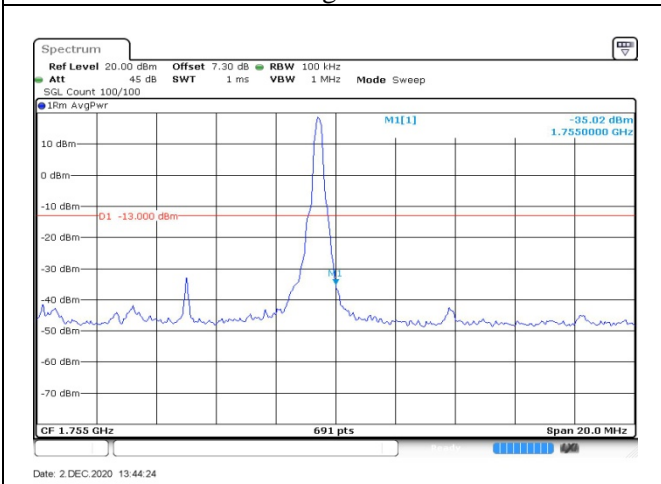


Fig.15

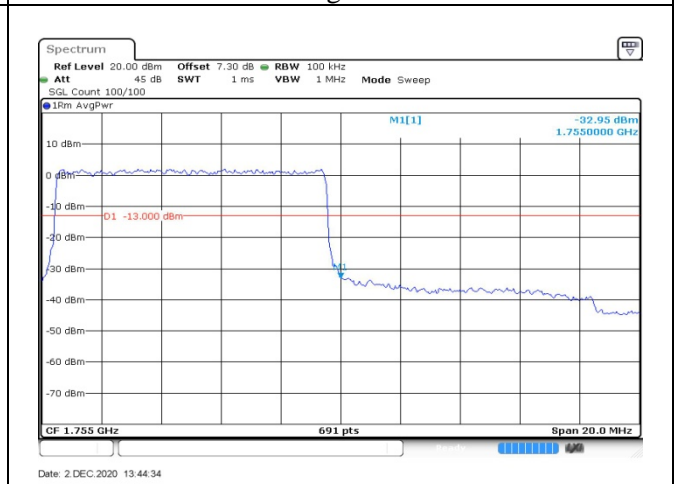


Fig.16

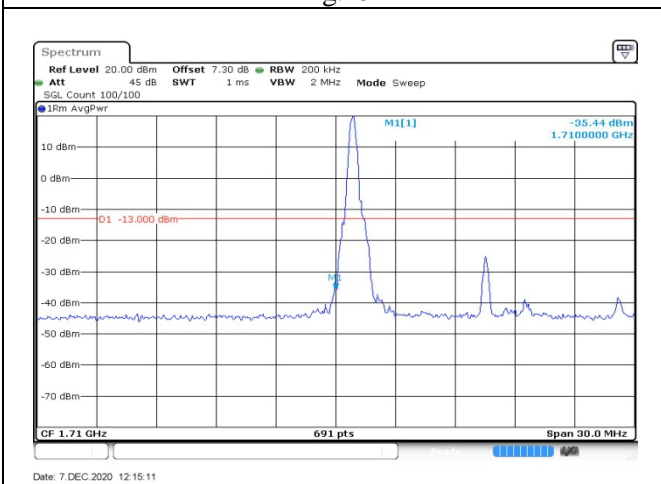


Fig.17

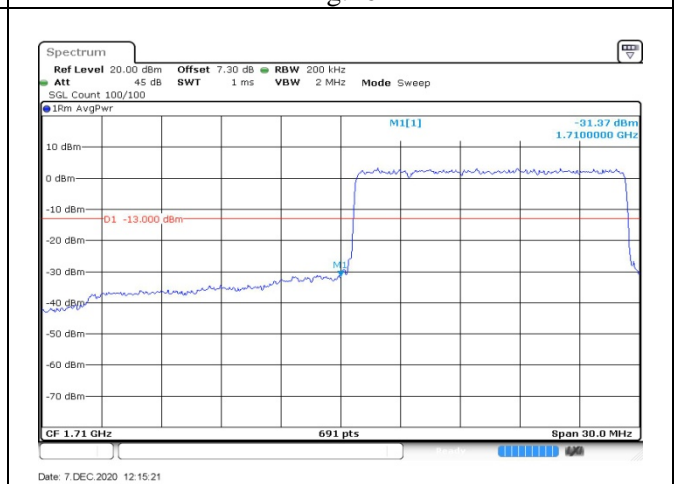


Fig.18

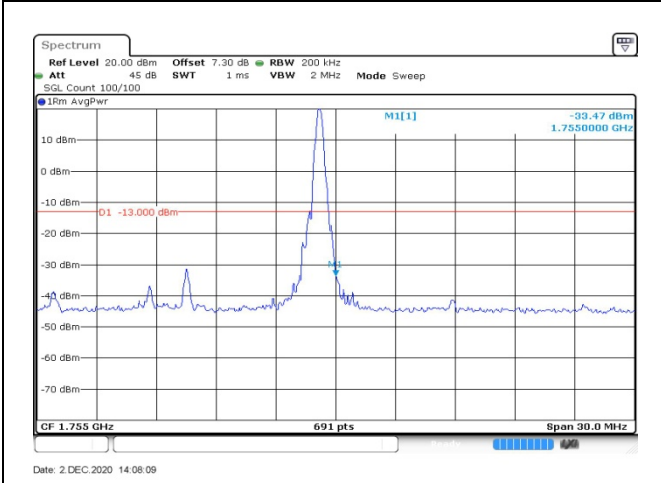


Fig.19

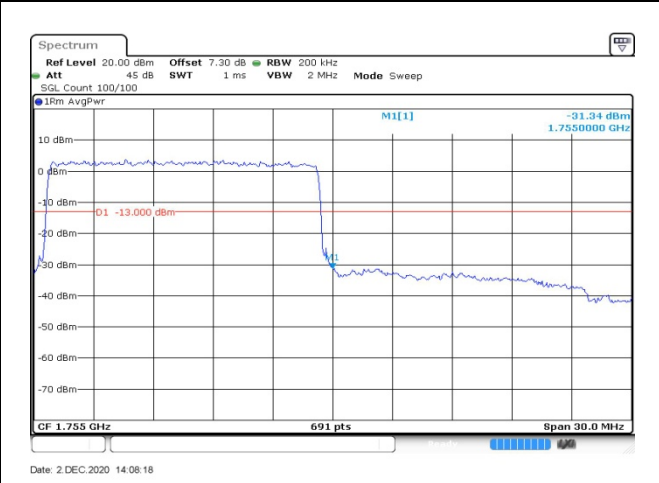


Fig.20

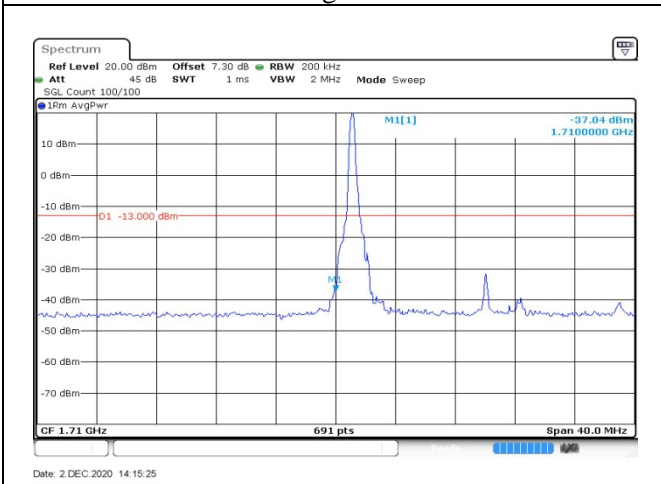


Fig.21

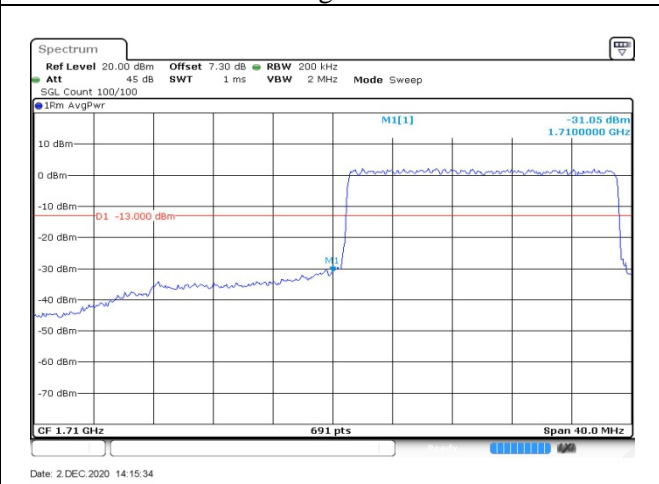


Fig.22

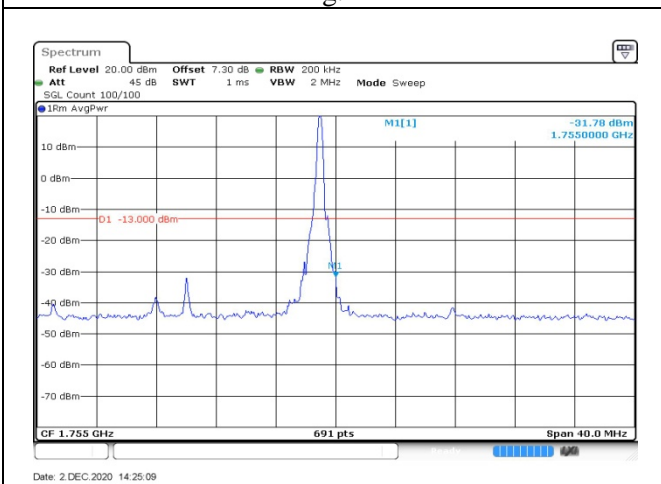


Fig.23

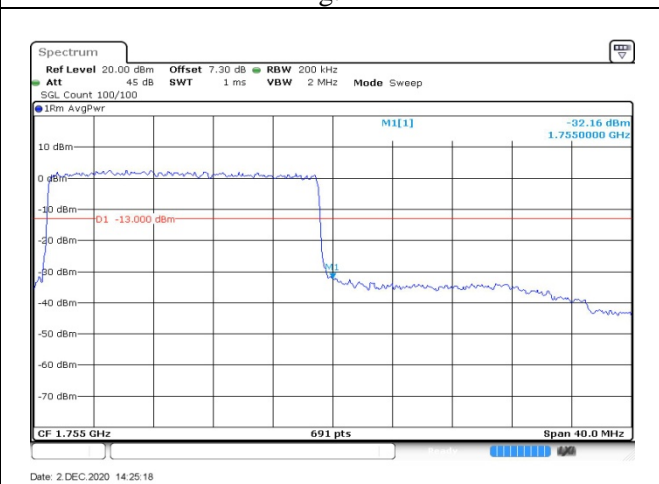


Fig.24

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band4 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-20	NV	0.006	-0.007	-0.004	0.002	-0.001	0.007
-10	NV	-0.014	0.000	0.000	-0.004	0.000	0.003
0	NV	-0.001	-0.005	-0.006	0.000	-0.003	0.002
+10	NV	0.002	-0.003	-0.008	-0.004	0.003	0.005
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	-0.011	-0.003	0.001	0.005	-0.003	-0.001
+40	NV	-0.016	-0.008	-0.002	-0.002	0.000	0.003
+50	NV	-0.017	-0.006	-0.007	0.003	0.002	-0.007
+60	NV	-0.008	-0.006	-0.005	0.003	0.001	0.007
+20	LV	-0.013	-0.008	0.000	-0.003	0.002	-0.002
+20	HV	-0.018	-0.003	-0.004	0.002	0.002	0.001

Temperature(°C)	Voltage	Test Result (ppm) Band4 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-20	NV	-0.009	-0.001	0.009	-0.003	-0.002	-0.002
-10	NV	0.002	-0.004	-0.003	-0.001	-0.003	-0.002
0	NV	0.011	-0.003	0.001	-0.004	-0.005	0.002
+10	NV	-0.010	-0.003	-0.001	-0.002	0.001	0.003
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	0.002	0.003	0.003	-0.010	0.003	-0.004
+40	NV	0.007	0.002	-0.003	-0.001	-0.005	-0.005
+50	NV	0.000	0.005	-0.002	0.003	-0.004	0.001
+60	NV	0.005	-0.002	-0.007	0.004	0.002	-0.002
+20	LV	0.001	-0.001	0.003	-0.007	-0.002	0.004
+20	HV	0.008	0.002	0.003	-0.002	-0.001	0.002

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	19957	1.4	1	0	21.49	23.19	0.208		
				1	3	21.47	23.17	0.207		
				1	5	21.49	23.19	0.208		
				3	0	21.57	23.27	0.212		
				3	1	21.56	23.26	0.212		
				3	3	21.58	23.28	0.213		
	1732.5	20175		6	0	20.54	22.24	0.167		
				1	0	21.44	23.14	0.206		
				1	3	21.54	23.24	0.211		
				1	5	21.57	23.27	0.212		
				3	0	21.57	23.27	0.212		
				3	1	21.67	23.37	0.217		
				3	3	21.63	23.33	0.215		
				6	0	20.48	22.18	0.165		
				1754.3	20393	1	0	21.65	23.35	0.216
						1	3	21.76	23.46	0.222
						1	5	21.67	23.37	0.217
						3	0	21.74	23.44	0.221
	3	1				21.83	23.53	0.225		
	3	3				21.82	23.52	0.225		
	16QAM	1710.7		19957	6	0	20.76	22.46	0.176	
					1	0	20.66	22.36	0.172	
					1	3	20.71	22.41	0.174	
					1	5	20.69	22.39	0.173	
3			0		20.93	22.63	0.183			
3			1		20.96	22.66	0.185			
1732.5		20175	3	3	20.98	22.68	0.185			
			6	0	19.65	21.35	0.136			
			1	0	20.62	22.32	0.171			
			1	3	20.78	22.48	0.177			
			1	5	20.77	22.47	0.177			
			3	0	20.62	22.32	0.171			
			1754.3	20393	3	1	20.72	22.42	0.175	
					3	3	20.62	22.32	0.171	
					6	0	19.57	21.27	0.134	
					1	0	20.90	22.60	0.182	
					1	3	20.93	22.63	0.183	
					1	5	20.94	22.64	0.184	
1754.3		20393	3	0	20.99	22.69	0.186			
			3	1	20.96	22.66	0.185			
			3	3	20.98	22.68	0.185			
			6	0	19.71	21.41	0.138			

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1710.7	19957	1.4	1	0	19.66	21.36	0.137
				1	3	19.65	21.35	0.136
				1	5	19.71	21.41	0.138
				3	0	19.70	21.40	0.138
				3	1	19.67	21.37	0.137
				3	3	19.65	21.35	0.136
	1732.5	20175		6	0	19.68	21.38	0.137
				1	0	19.68	21.38	0.137
				1	3	19.69	21.39	0.138
				1	5	19.67	21.37	0.137
				3	0	19.56	21.26	0.134
				3	1	19.65	21.35	0.136
	1754.3	20393		3	3	19.66	21.36	0.137
				6	0	19.65	21.35	0.136
				1	0	19.72	21.42	0.139
				1	3	19.72	21.42	0.139
				1	5	19.68	21.38	0.137
				3	0	19.76	21.46	0.140
				3	1	19.70	21.40	0.138
				3	3	19.68	21.38	0.137
				6	0	19.73	21.43	0.139

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	21.35	23.05	0.202	
				1	8	21.33	23.03	0.201	
				1	14	21.27	22.97	0.198	
				8	0	20.45	22.15	0.164	
				8	4	20.57	22.27	0.169	
				8	7	20.55	22.25	0.168	
				15	0	20.51	22.21	0.166	
	1732.5	20175		1	0	21.43	23.13	0.206	
				1	8	21.51	23.21	0.209	
				1	14	21.56	23.26	0.212	
				8	0	20.66	22.36	0.172	
				8	4	20.70	22.40	0.174	
				8	7	20.64	22.34	0.171	
				15	0	20.66	22.36	0.172	
	1753.5	20385		1	0	21.78	23.48	0.223	
				1	8	21.79	23.49	0.223	
				1	14	21.80	23.50	0.224	
				8	0	20.90	22.60	0.182	
				8	4	20.87	22.57	0.181	
				8	7	20.86	22.56	0.180	
				15	0	20.92	22.62	0.183	
	16QAM	1711.5		19965	1	0	20.79	22.49	0.177
					1	8	20.83	22.53	0.179
					1	14	20.82	22.52	0.179
8			0		19.84	21.54	0.143		
8			4		19.83	21.53	0.142		
8			7		19.89	21.59	0.144		
15			0		19.87	21.57	0.144		
1732.5		20175	1	0	21.25	22.95	0.197		
			1	8	21.31	23.01	0.200		
			1	14	21.29	22.99	0.199		
			8	0	19.93	21.63	0.146		
			8	4	19.93	21.63	0.146		
			8	7	19.93	21.63	0.146		
			15	0	19.82	21.52	0.142		
1753.5		20385	1	0	21.00	22.70	0.186		
			1	8	21.02	22.72	0.187		
			1	14	20.99	22.69	0.186		
			8	0	19.90	21.60	0.145		
			8	4	19.92	21.62	0.145		
			8	7	19.99	21.69	0.148		
			15	0	19.94	21.64	0.146		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
64QAM	1711.5	19965	3	1	0	19.93	21.63	0.146
				1	8	19.85	21.55	0.143
				1	14	19.82	21.52	0.142
				8	0	19.81	21.51	0.142
				8	4	19.83	21.53	0.142
				8	7	19.80	21.50	0.141
	1732.5	20175		15	0	19.92	21.62	0.145
				1	0	19.84	21.54	0.143
				1	8	19.82	21.52	0.142
				1	14	19.80	21.50	0.141
				8	0	19.80	21.50	0.141
				8	4	19.81	21.51	0.142
	1753.5	20385		8	7	19.81	21.51	0.142
				15	0	19.80	21.50	0.141
				1	0	19.93	21.63	0.146
				1	8	19.93	21.63	0.146
				1	14	19.93	21.63	0.146
				8	0	19.93	21.63	0.146
				8	4	19.93	21.63	0.146
				8	7	19.92	21.62	0.145
				15	0	19.93	21.63	0.146

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	21.61	23.31	0.214	
				1	12	21.55	23.25	0.211	
				1	24	21.60	23.30	0.214	
				12	0	20.78	22.48	0.177	
				12	7	20.81	22.51	0.178	
				12	13	20.79	22.49	0.177	
	1732.5	20175		25	0	20.81	22.51	0.178	
				1	0	21.56	23.26	0.212	
				1	12	21.56	23.26	0.212	
				1	24	21.62	23.32	0.215	
				12	0	20.68	22.38	0.173	
				12	7	20.72	22.42	0.175	
	1752.5	20375		12	13	20.79	22.49	0.177	
				25	0	20.72	22.42	0.175	
				1	0	21.80	23.50	0.224	
				1	12	21.73	23.43	0.220	
				1	24	21.75	23.45	0.221	
				12	0	20.81	22.51	0.178	
	16QAM	1712.5		19975	12	7	20.94	22.64	0.184
					12	13	20.85	22.55	0.180
					25	0	20.82	22.52	0.179
					1	0	20.70	22.40	0.174
					1	12	20.65	22.35	0.172
					1	24	20.65	22.35	0.172
1732.5		20175	12	0	19.83	21.53	0.142		
			12	7	19.80	21.50	0.141		
			12	13	19.80	21.50	0.141		
			25	0	19.89	21.59	0.144		
			1	0	21.06	22.76	0.189		
			1	12	20.97	22.67	0.185		
1752.5		20375	1	24	20.97	22.67	0.185		
			12	0	19.81	21.51	0.142		
			12	7	19.86	21.56	0.143		
			12	13	19.85	21.55	0.143		
			25	0	19.72	21.42	0.139		
			1	0	20.88	22.58	0.181		
1752.5		20375	1	12	20.95	22.65	0.184		
			1	24	20.93	22.63	0.183		
			12	0	19.76	21.46	0.140		
			12	7	19.95	21.65	0.146		
			12	13	19.88	21.58	0.144		
			25	0	19.86	21.56	0.143		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1712.5	19975	5	1	0	19.91	21.61	0.145
				1	12	19.90	21.60	0.145
				1	24	19.89	21.59	0.144
				12	0	19.90	21.60	0.145
				12	7	19.90	21.60	0.145
				12	13	19.87	21.57	0.144
	1732.5	20175		25	0	19.84	21.54	0.143
				1	0	19.80	21.50	0.141
				1	12	19.72	21.42	0.139
				1	24	19.77	21.47	0.140
				12	0	19.75	21.45	0.140
				12	7	19.73	21.43	0.139
	1752.5	20375		12	13	19.74	21.44	0.139
				25	0	19.82	21.52	0.142
				1	0	19.88	21.58	0.144
				1	12	19.89	21.59	0.144
				1	24	19.88	21.58	0.144
				12	0	19.88	21.58	0.144
				12	7	19.87	21.57	0.144
				12	13	19.88	21.58	0.144
				25	0	19.88	21.58	0.144

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	21.36	23.06	0.202	
				1	25	21.53	23.23	0.210	
				1	49	21.43	23.13	0.206	
				25	0	20.61	22.31	0.170	
				25	12	20.57	22.27	0.169	
				25	25	20.64	22.34	0.171	
	1732.5	20175		50	0	20.64	22.34	0.171	
				1	0	21.42	23.12	0.205	
				1	25	21.58	23.28	0.213	
				1	49	21.46	23.16	0.207	
				25	0	20.76	22.46	0.176	
				25	12	20.72	22.42	0.175	
	1750	20350		25	25	20.67	22.37	0.173	
				50	0	20.73	22.43	0.175	
				1	0	21.71	23.41	0.219	
				1	25	21.83	23.53	0.225	
				1	49	21.80	23.50	0.224	
				25	0	20.87	22.57	0.181	
	16QAM	1715		20000	25	12	20.82	22.52	0.179
					25	25	20.83	22.53	0.179
					50	0	20.83	22.53	0.179
1			0		21.15	22.85	0.193		
1			25		21.20	22.90	0.195		
1			49		21.23	22.93	0.196		
1732.5		20175	25	0	19.78	21.48	0.141		
			25	12	19.71	21.41	0.138		
			25	25	19.72	21.42	0.139		
			50	0	19.73	21.43	0.139		
			1	0	20.67	22.37	0.173		
			1	25	20.73	22.43	0.175		
1750		20350	1	49	20.72	22.42	0.175		
			25	0	19.92	21.62	0.145		
			25	12	19.87	21.57	0.144		
			25	25	19.90	21.60	0.145		
			50	0	19.80	21.50	0.141		
			1	0	21.47	23.17	0.207		
1750		20350	1	25	21.49	23.19	0.208		
			1	49	21.46	23.16	0.207		
			25	0	19.97	21.67	0.147		
	25		12	19.99	21.69	0.148			
	25		25	19.96	21.66	0.147			
	50		0	19.83	21.53	0.142			

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1715	20000	10	1	0	19.70	21.40	0.138
				1	25	19.72	21.42	0.139
				1	49	19.71	21.41	0.138
				25	0	19.69	21.39	0.138
				25	12	19.67	21.37	0.137
				25	25	19.67	21.37	0.137
	1732.5	20175		50	0	19.67	21.37	0.137
				1	0	19.81	21.51	0.142
				1	25	19.83	21.53	0.142
				1	49	19.84	21.54	0.143
				25	0	19.79	21.49	0.141
				25	12	19.82	21.52	0.142
	1750	20350		25	25	19.81	21.51	0.142
				50	0	19.77	21.47	0.140
				1	0	19.83	21.53	0.142
				1	25	19.85	21.55	0.143
				1	49	19.93	21.63	0.146
				25	0	19.89	21.59	0.144
				25	12	19.91	21.61	0.145
				25	25	19.90	21.60	0.145
				50	0	19.90	21.60	0.145

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	21.61	23.31	0.214	
				1	37	21.73	23.43	0.220	
				1	74	21.71	23.41	0.219	
				36	0	20.68	22.38	0.173	
				36	29	20.71	22.41	0.174	
				36	30	20.75	22.45	0.176	
				75	0	20.69	22.39	0.173	
	1732.5	20175		1	0	21.68	23.38	0.218	
				1	37	21.84	23.54	0.226	
				1	74	21.76	23.46	0.222	
				36	0	20.73	22.43	0.175	
				36	29	20.80	22.50	0.178	
				36	30	20.91	22.61	0.182	
				75	0	20.81	22.51	0.178	
	1747.5	20325		1	0	21.79	23.49	0.223	
				1	37	21.98	23.68	0.233	
				1	74	21.96	23.66	0.232	
				36	0	21.01	22.71	0.187	
				36	29	21.00	22.70	0.186	
				36	30	21.01	22.71	0.187	
				75	0	20.97	22.67	0.185	
	16QAM	1717.5		20025	1	0	21.43	23.13	0.206
					1	37	21.52	23.22	0.210
					1	74	21.60	23.30	0.214
36			0		19.86	21.56	0.143		
36			29		19.86	21.56	0.143		
36			30		19.91	21.61	0.145		
75			0		19.85	21.55	0.143		
1732.5		20175	1	0	21.36	23.06	0.202		
			1	37	21.52	23.22	0.210		
			1	74	21.52	23.22	0.210		
			36	0	19.85	21.55	0.143		
			36	29	19.85	21.55	0.143		
			36	30	19.89	21.59	0.144		
			75	0	19.88	21.58	0.144		
1747.5		20325	1	0	21.02	22.72	0.187		
			1	37	21.16	22.86	0.193		
			1	74	21.17	22.87	0.194		
			36	0	19.99	21.69	0.148		
			36	29	20.10	21.80	0.151		
			36	30	20.13	21.83	0.152		
			75	0	20.03	21.73	0.149		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1717.5	20025	15	1	0	19.93	21.63	0.146
				1	37	19.88	21.58	0.144
				1	74	19.85	21.55	0.143
				36	0	19.84	21.54	0.143
				36	29	19.91	21.61	0.145
				36	30	19.89	21.59	0.144
				75	0	19.95	21.65	0.146
	1732.5	20175		1	0	19.87	21.57	0.144
				1	37	19.88	21.58	0.144
				1	74	19.88	21.58	0.144
				36	0	19.93	21.63	0.146
				36	29	19.92	21.62	0.145
				36	30	19.94	21.64	0.146
				75	0	19.86	21.56	0.143
	1747.5	20325		1	0	20.03	21.73	0.149
				1	37	20.02	21.72	0.149
				1	74	20.02	21.72	0.149
				36	0	20.02	21.72	0.149
				36	29	20.01	21.71	0.148
				36	30	20.02	21.72	0.149
				75	0	20.02	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	1720	20050	20	1	0	21.88	23.58	0.228	
				1	49	21.89	23.59	0.229	
				1	99	21.84	23.54	0.226	
				50	0	20.94	22.64	0.184	
				50	24	20.98	22.68	0.185	
				50	50	20.94	22.64	0.184	
	1732.5	20175		100	0	20.91	22.61	0.182	
				1	0	21.72	23.42	0.220	
				1	49	21.80	23.50	0.224	
				1	99	21.77	23.47	0.222	
				50	0	20.86	22.56	0.180	
				50	24	20.93	22.63	0.183	
	1745	20300		50	50	20.98	22.68	0.185	
				100	0	20.95	22.65	0.184	
				1	0	21.85	23.55	0.226	
				1	49	22.05	23.75	0.237	
				1	99	22.02	23.72	0.236	
				50	0	20.86	22.56	0.180	
	16QAM	1720		20050	50	24	21.01	22.71	0.187
					50	50	21.05	22.75	0.188
					100	0	21.01	22.71	0.187
					1	0	21.70	23.40	0.219
					1	49	21.59	23.29	0.213
					1	99	21.63	23.33	0.215
1732.5		20175	50	0	19.91	21.61	0.145		
			50	24	20.05	21.75	0.150		
			50	50	20.02	21.72	0.149		
			100	0	19.94	21.64	0.146		
			1	0	21.06	22.76	0.189		
			1	49	21.20	22.90	0.195		
1745		20300	1	99	21.23	22.93	0.196		
			50	0	19.87	21.57	0.144		
			50	24	19.94	21.64	0.146		
			50	50	19.98	21.68	0.147		
			100	0	20.01	21.71	0.148		
			1	0	21.15	22.85	0.193		
				1	49	21.26	22.96	0.198	
				1	99	21.26	22.96	0.198	
				50	0	19.96	21.66	0.147	
				50	24	19.99	21.69	0.148	
				50	50	20.00	21.70	0.148	
				100	0	19.92	21.62	0.145	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1720	20050	20	1	0	19.98	21.68	0.147
				1	49	19.96	21.66	0.147
				1	99	20.02	21.72	0.149
				50	0	20.01	21.71	0.148
				50	24	19.98	21.68	0.147
				50	50	19.97	21.67	0.147
	1732.5	20175		100	0	20.01	21.71	0.148
				1	0	19.99	21.69	0.148
				1	49	19.98	21.68	0.147
				1	99	19.98	21.68	0.147
				50	0	19.97	21.67	0.147
				50	24	19.98	21.68	0.147
	1745	20300		50	50	19.96	21.66	0.147
				100	0	19.96	21.66	0.147
				1	0	20.07	21.77	0.150
				1	49	19.97	21.67	0.147
				1	99	19.99	21.69	0.148
				50	0	19.92	21.62	0.145
				50	24	20.02	21.72	0.149
				50	50	19.96	21.66	0.147
				100	0	20.03	21.73	0.149