

Fig.103

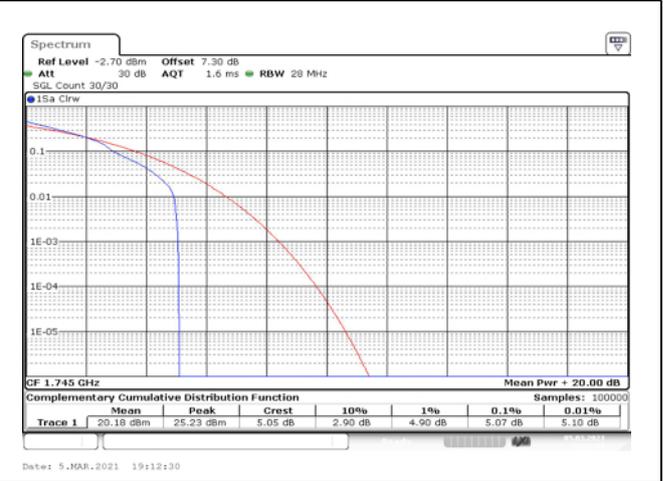


Fig.104

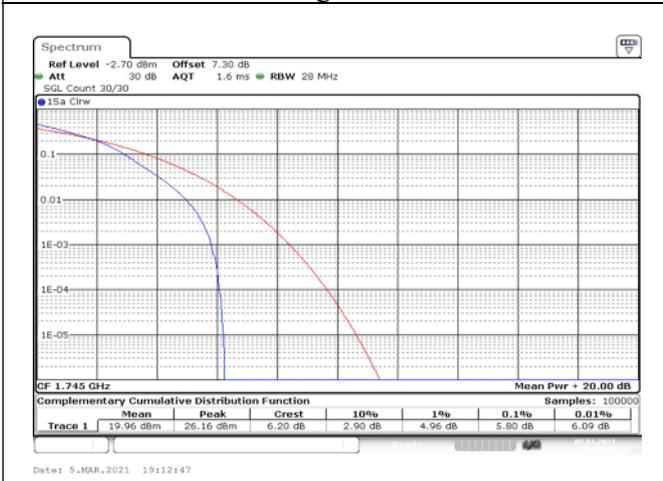


Fig.105

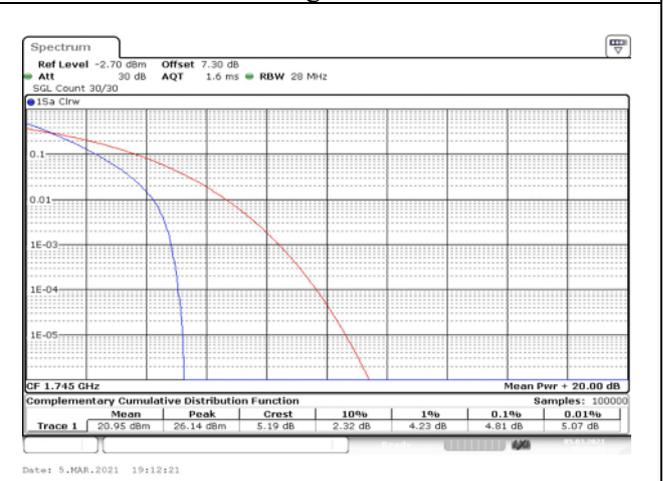


Fig.106

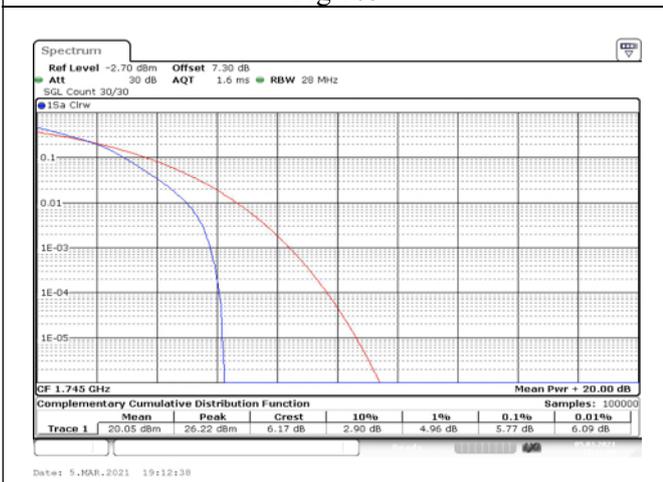


Fig.107

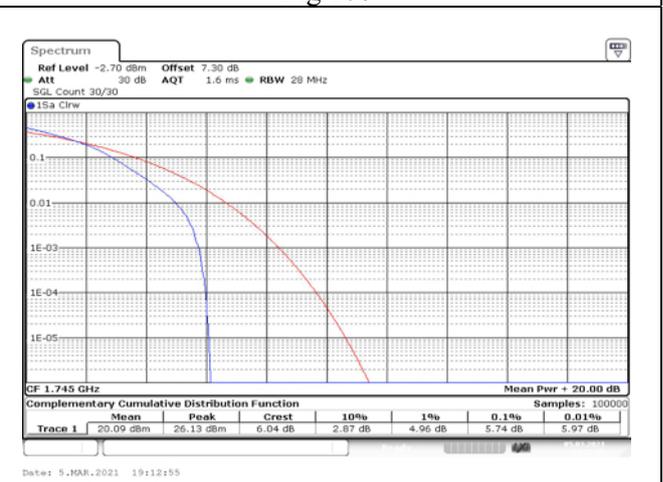


Fig.108

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	0	Fig.1
	1732.5	20175		1	0	Fig.2
	1745	20300		1	0	Fig.3

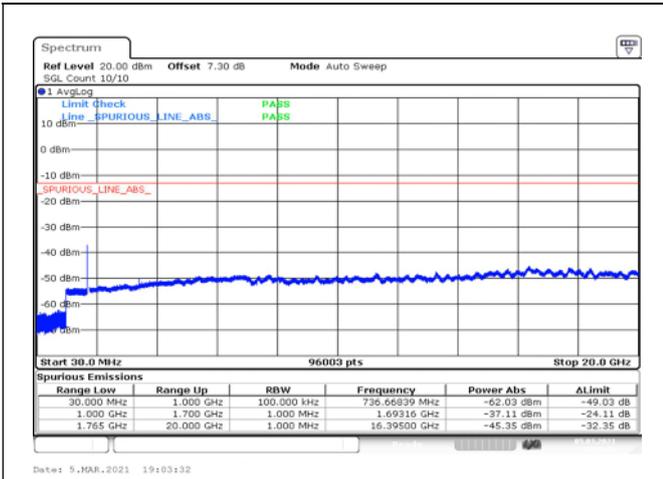


Fig.1

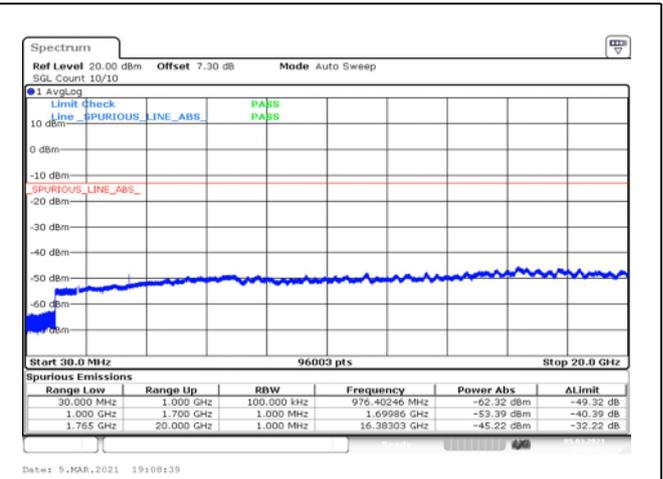


Fig.2

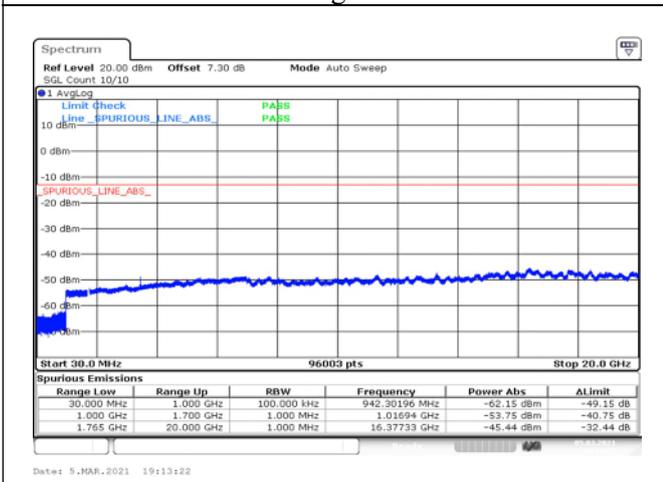


Fig.3

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
	1753.5	20385		1	14	Fig.7
				15	0	Fig.8
	1712.5	19975	5	1	0	Fig.9
				25	0	Fig.10
	1752.5	20375		1	24	Fig.11
				25	0	Fig.12
	1715	20000	10	1	0	Fig.13
				50	0	Fig.14
	1750	20350		1	49	Fig.15
				50	0	Fig.16
	1717.5	20025	15	1	0	Fig.17
				75	0	Fig.18
	1747.5	20325		1	74	Fig.19
				75	0	Fig.20
	1720	20050	20	1	0	Fig.21
				100	0	Fig.22
	1745	20300		1	99	Fig.23
				100	0	Fig.24

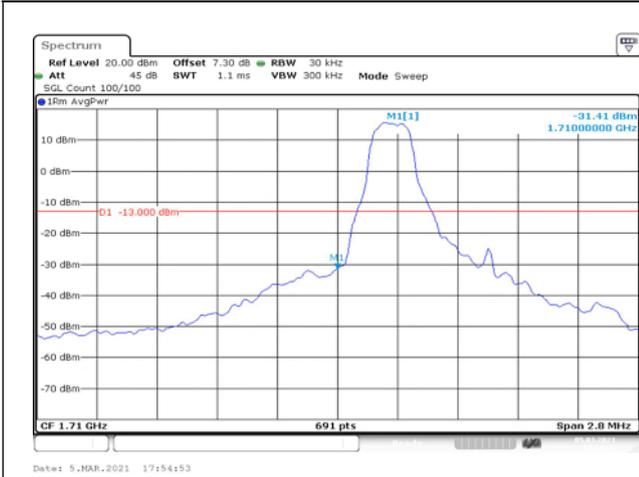


Fig.1

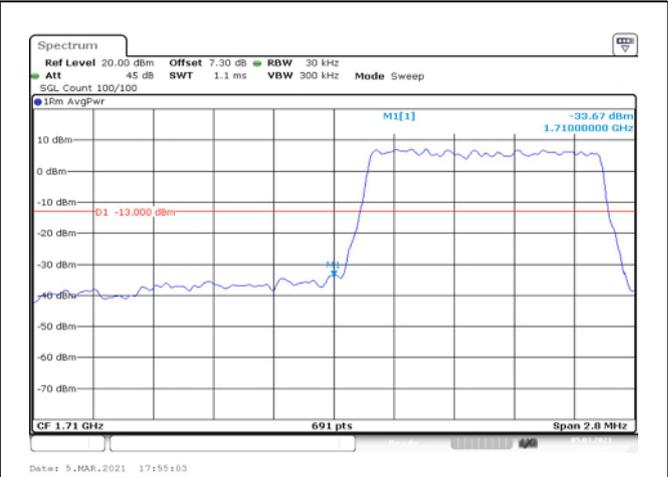


Fig.2

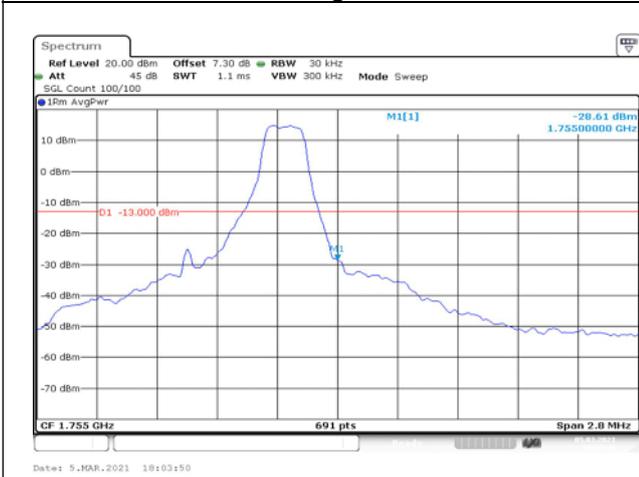


Fig.3

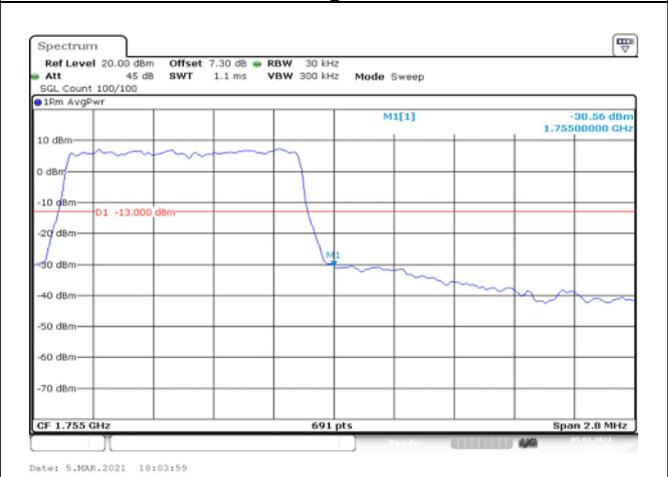


Fig.4

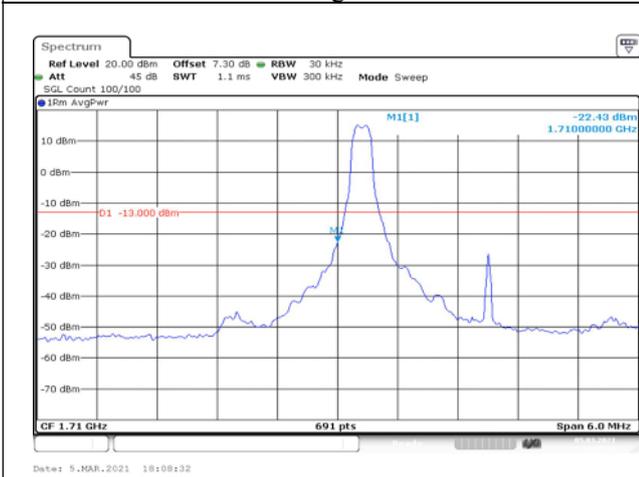


Fig.5

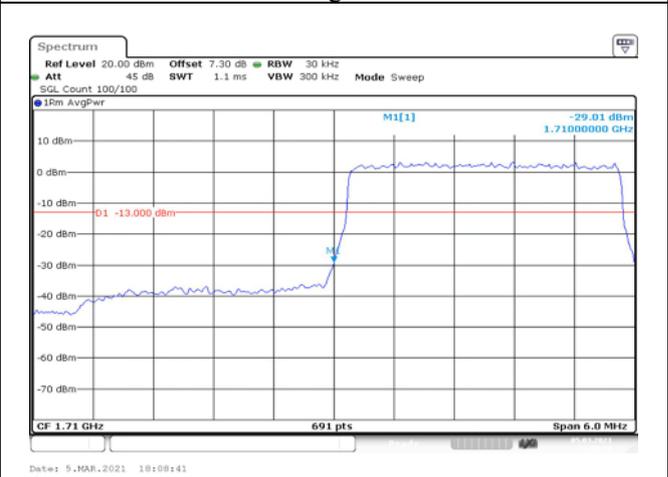


Fig.6

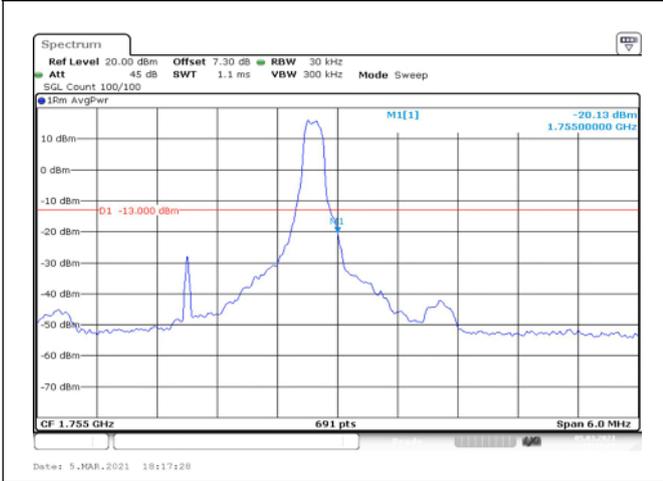


Fig.7

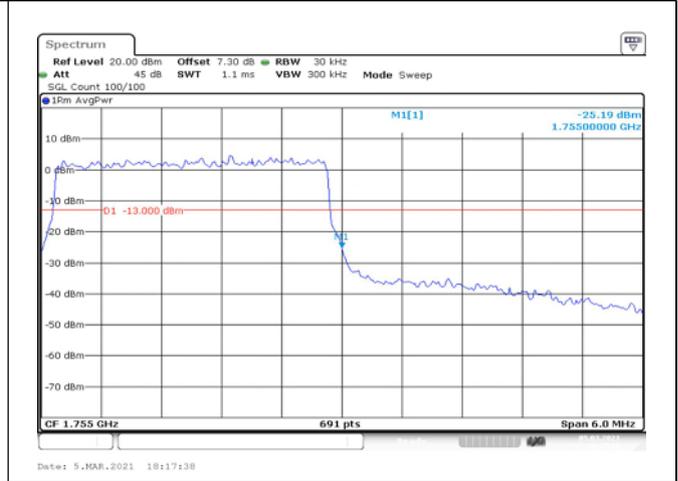


Fig.8

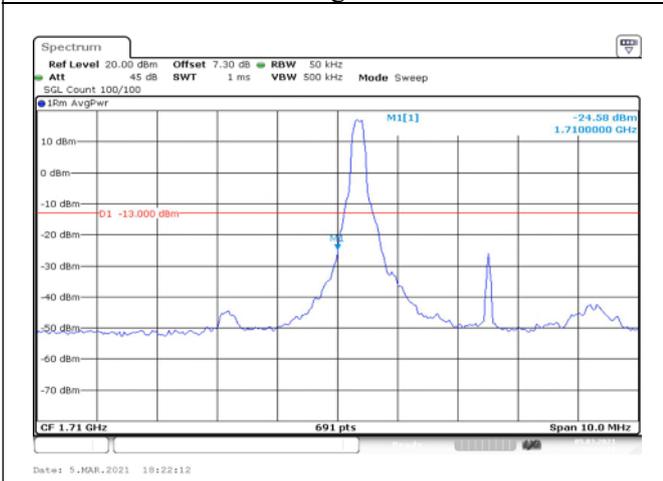


Fig.9

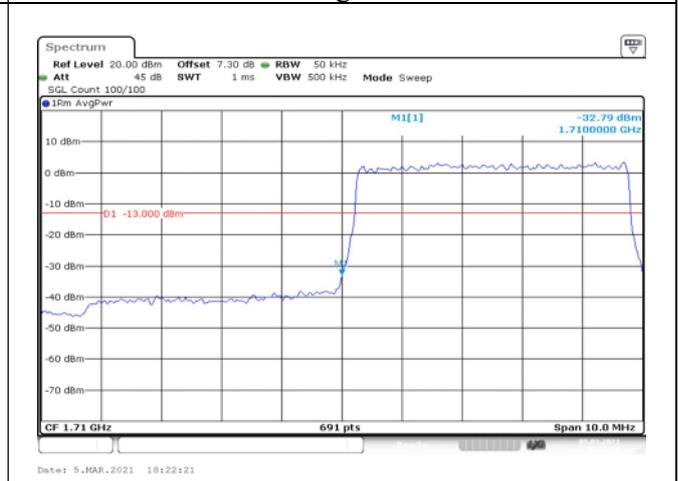


Fig.10

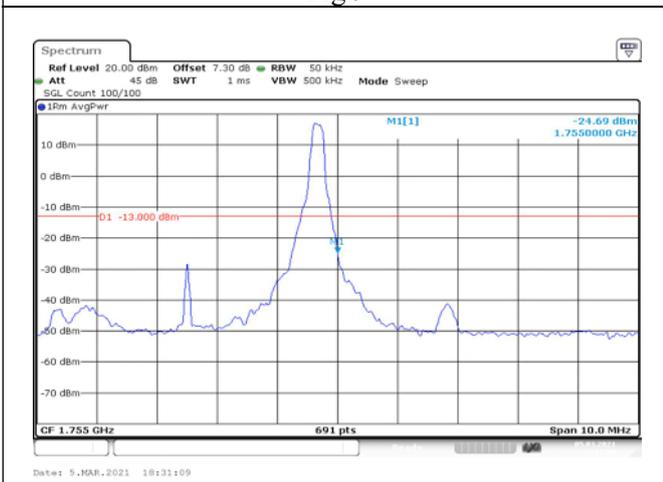


Fig.11

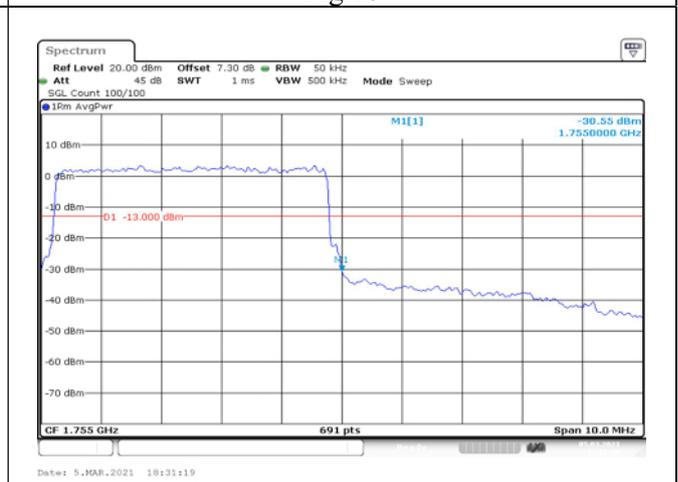


Fig.12

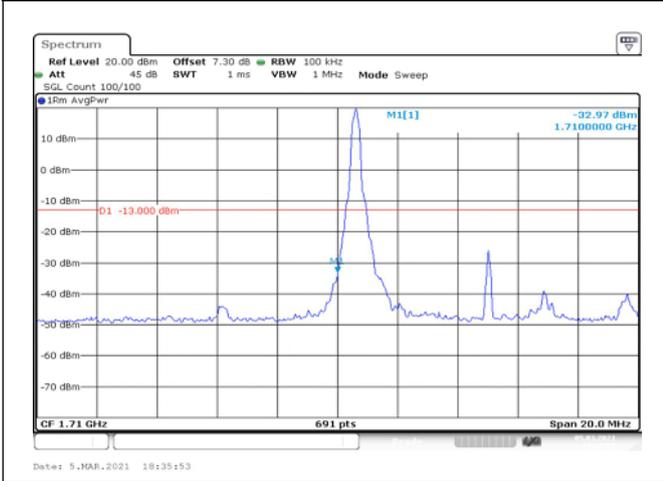


Fig.13

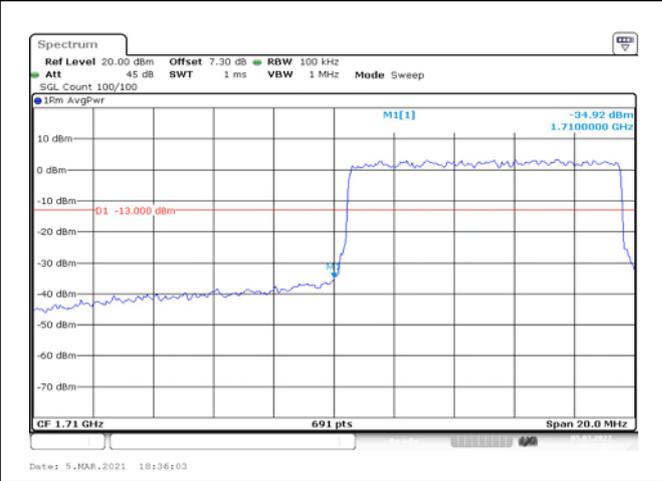


Fig.14

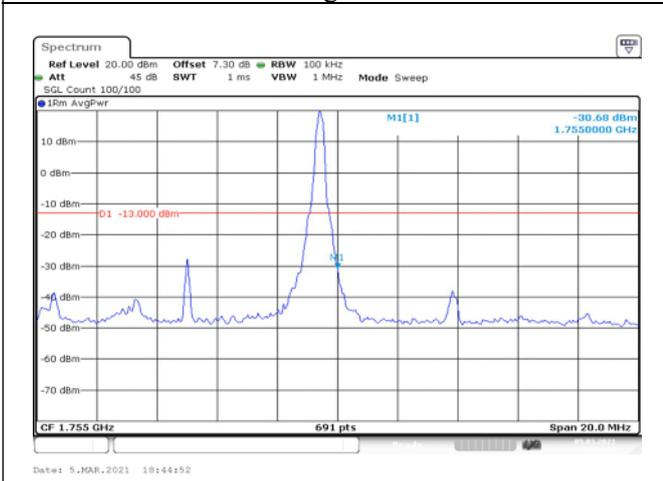


Fig.15

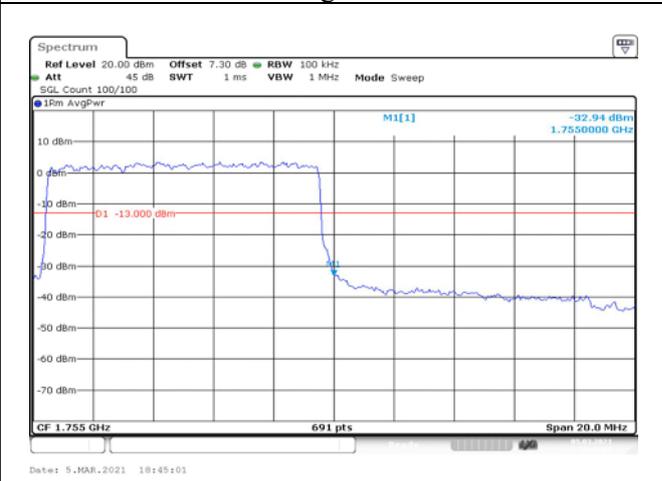


Fig.16

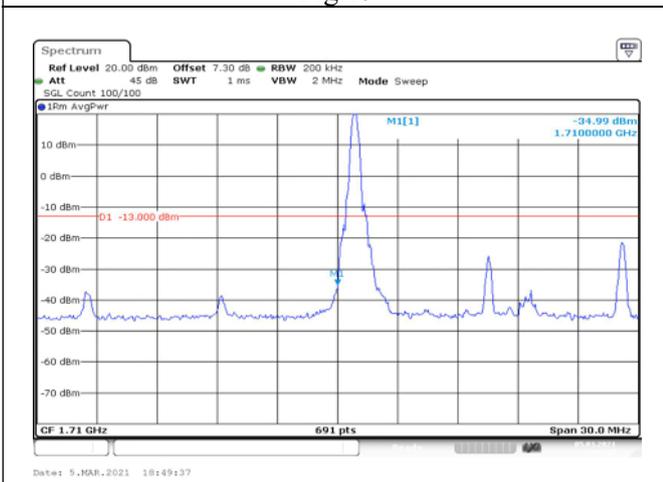


Fig.17

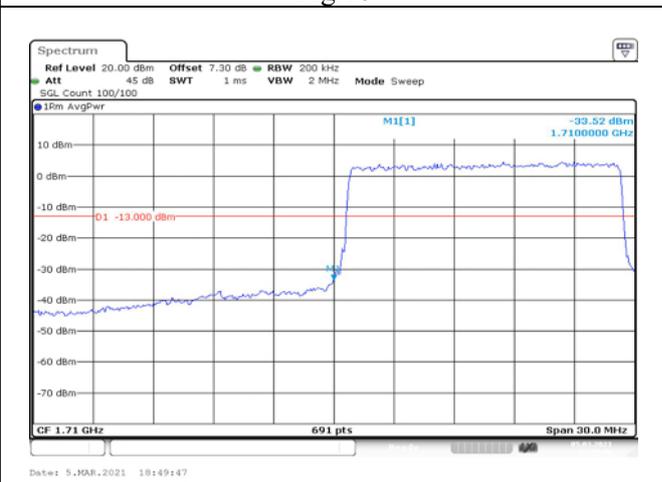


Fig.18

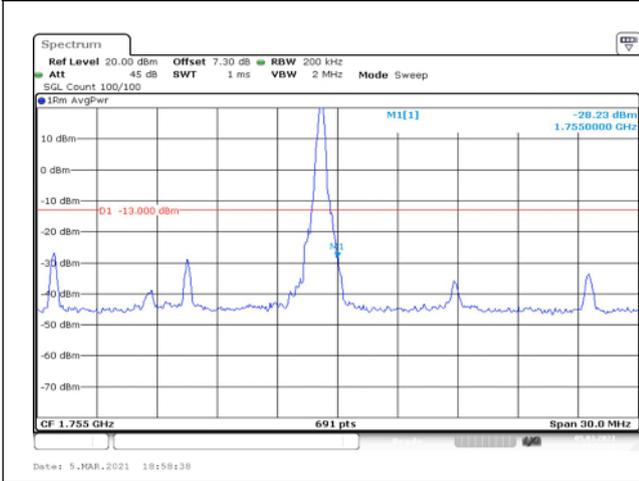


Fig.19

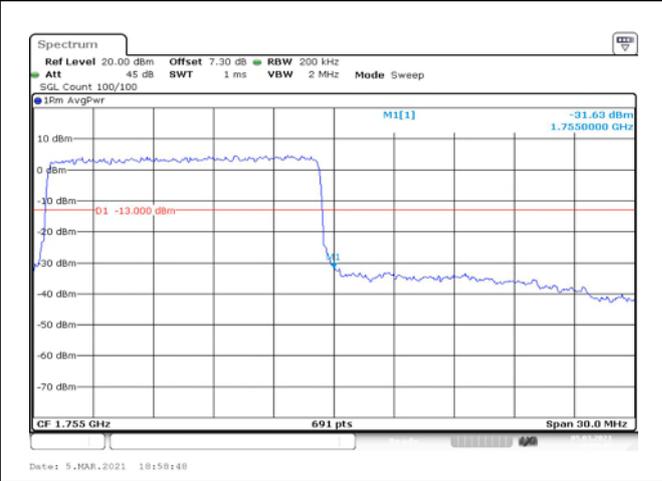


Fig.20

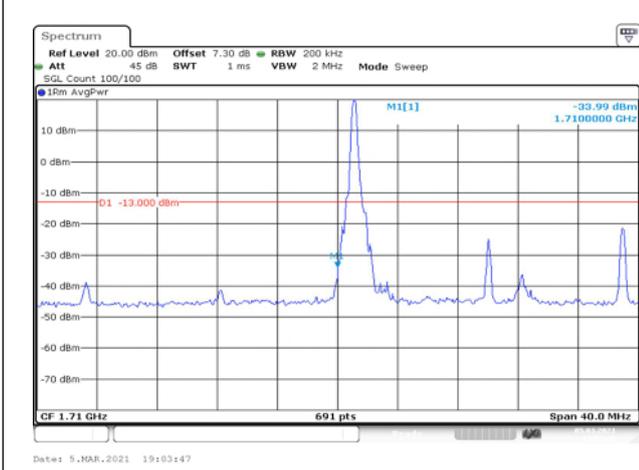


Fig.21

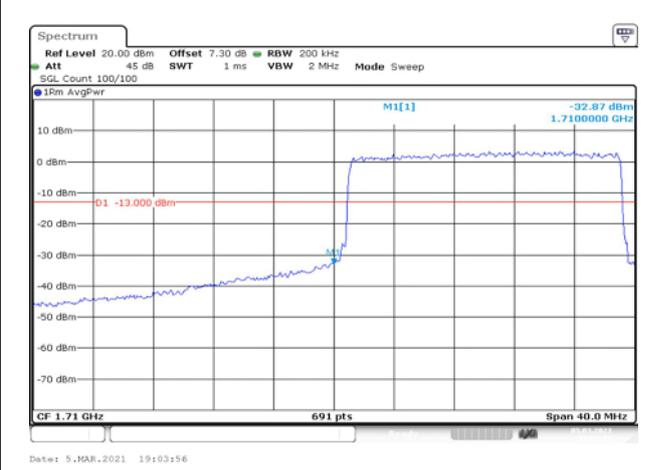


Fig.22

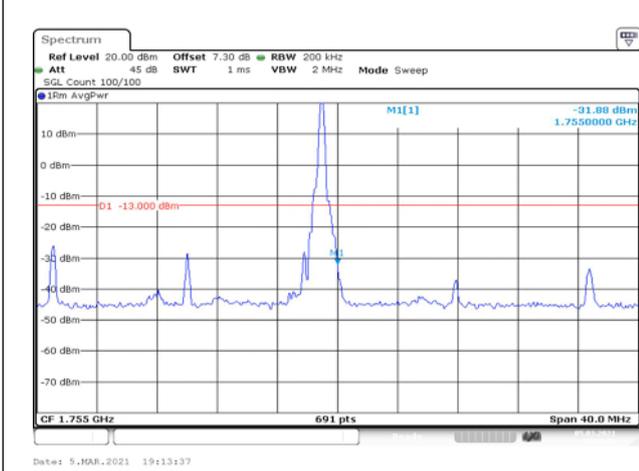


Fig.23

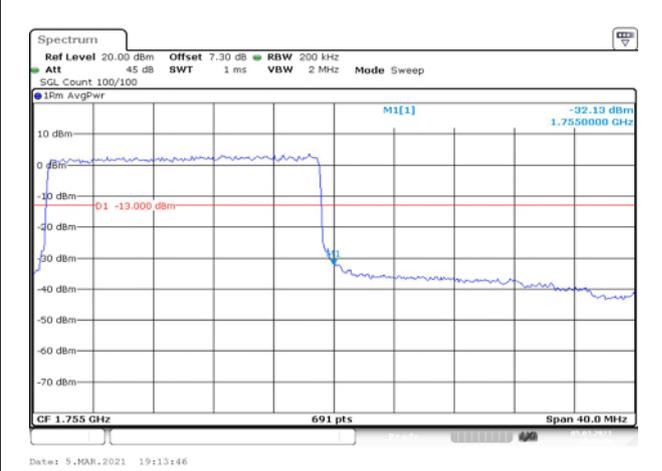


Fig.24

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band4 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-30	NV	-0.009	-0.007	-0.003	0.002	-0.005	-0.004
-20	NV	-0.002	-0.007	-0.008	0.000	0.003	0.003
-10	NV	0.006	-0.002	-0.001	0.002	-0.002	0.000
0	NV	0.005	0.000	-0.003	-0.005	-0.003	-0.001
+10	NV	0.008	-0.009	-0.005	0.004	-0.002	-0.002
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	-0.005	-0.007	-0.003	-0.003	-0.004	0.004
+40	NV	0.004	-0.009	-0.006	0.001	0.000	-0.001
+50	NV	-0.009	-0.007	-0.003	0.002	-0.005	-0.004
+20	LV	-0.003	-0.006	-0.003	0.003	-0.002	-0.004
+20	HV	0.010	0.000	-0.002	0.000	-0.004	0.003

Temperature(°C)	Voltage	Test Result (ppm) Band4 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-30	NV	-0.005	0.003	0.004	-0.004	0.002	-0.004
-20	NV	-0.004	0.003	0.003	-0.009	-0.003	-0.001
-10	NV	-0.001	0.003	-0.003	-0.007	-0.002	0.004
0	NV	-0.010	0.001	0.004	-0.006	0.002	0.000
+10	NV	-0.005	0.003	0.004	-0.004	0.002	-0.004
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	-0.011	-0.005	-0.003	-0.001	-0.004	0.002
+40	NV	0.005	0.002	-0.006	0.001	-0.006	0.004
+50	NV	0.005	0.000	0.001	-0.002	-0.003	0.001
+20	LV	-0.007	0.004	-0.005	-0.008	-0.001	-0.002
+20	HV	0.008	0.002	0.004	-0.006	-0.004	0.003

8 Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
QPSK	1710.7	19957	1.4	1	0	22.69	18.39	0.069	
				1	3	22.70	18.40	0.069	
				1	5	22.76	18.46	0.070	
				3	0	21.78	17.48	0.056	
				3	1	21.74	17.44	0.055	
				3	3	21.72	17.42	0.055	
				6	0	20.76	16.46	0.044	
	1732.5	20175		1	0	22.81	18.51	0.071	
				1	3	22.81	18.51	0.071	
				1	5	22.92	18.62	0.073	
				3	0	21.80	17.50	0.056	
				3	1	21.85	17.55	0.057	
				3	3	21.77	17.47	0.056	
				6	0	20.84	16.54	0.045	
	1754.3	20393		1	0	22.70	18.40	0.069	
				1	3	22.74	18.44	0.070	
				1	5	22.68	18.38	0.069	
				3	0	21.70	17.40	0.055	
				3	1	21.63	17.33	0.054	
				3	3	21.66	17.36	0.054	
				6	0	20.75	16.45	0.044	
	16QAM	1710.7		19957	1	0	21.97	17.67	0.058
					1	3	21.80	17.50	0.056
					1	5	21.98	17.68	0.059
3			0		21.04	16.74	0.047		
3			1		21.07	16.77	0.048		
3			3		21.12	16.82	0.048		
6			0		20.39	16.09	0.041		
1732.5		20175	1	0	21.91	17.61	0.058		
			1	3	21.94	17.64	0.058		
			1	5	22.02	17.72	0.059		
			3	0	21.03	16.73	0.047		
			3	1	21.15	16.85	0.048		
			3	3	21.12	16.82	0.048		
			6	0	20.23	15.93	0.039		
1754.3		20393	1	0	21.85	17.55	0.057		
			1	3	21.92	17.62	0.058		
			1	5	21.89	17.59	0.057		
			3	0	20.87	16.57	0.045		
			3	1	20.87	16.57	0.045		
			3	3	20.94	16.64	0.046		
			6	0	20.07	15.77	0.038		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1710.7	19957	1.4	1	0	20.78	16.48	0.044
				1	3	20.92	16.62	0.046
				1	5	20.81	16.51	0.045
				3	0	19.83	15.53	0.036
				3	1	19.76	15.46	0.035
				3	3	19.79	15.49	0.035
				6	0	18.82	14.52	0.028
	1732.5	20175		1	0	20.97	16.67	0.046
				1	3	20.99	16.69	0.047
				1	5	20.94	16.64	0.046
				3	0	19.99	15.69	0.037
				3	1	19.99	15.69	0.037
				3	3	19.93	15.63	0.037
				6	0	18.91	14.61	0.029
	1754.3	20393		1	0	20.64	16.34	0.043
				1	3	20.61	16.31	0.043
				1	5	20.64	16.34	0.043
				3	0	19.59	15.29	0.034
				3	1	19.65	15.35	0.034
				3	3	19.62	15.32	0.034
				6	0	18.67	14.37	0.027

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1711.5	19965	3	1	0	22.77	18.47	0.070
				1	8	22.81	18.51	0.071
				1	14	22.80	18.50	0.071
				8	0	21.83	17.53	0.057
				8	4	21.83	17.53	0.057
				8	7	21.82	17.52	0.056
	15	0		20.88	16.58	0.045		
	1	0		22.82	18.52	0.071		
	1	8		22.81	18.51	0.071		
	1	14		22.94	18.64	0.073		
	8	0		21.81	17.51	0.056		
	8	4		21.95	17.65	0.058		
	8	7		21.98	17.68	0.059		
	15	0		20.91	16.61	0.046		
	1	0		22.85	18.55	0.072		
	1	8		22.86	18.56	0.072		
	1	14		22.74	18.44	0.070		
	16QAM	1711.5		19965	3	8	0	21.90
8			4			21.92	17.62	0.058
8			7			21.83	17.53	0.057
15			0			20.88	16.58	0.045
1			0			22.28	17.98	0.063
1			8			22.36	18.06	0.064
1		14	22.43	18.13		0.065		
8		0	20.99	16.69		0.047		
8		4	20.92	16.62		0.046		
8		7	20.96	16.66		0.046		
15		0	19.94	15.64		0.037		
1		0	22.01	17.71		0.059		
1		8	22.02	17.72		0.059		
1		14	22.14	17.84		0.061		
8		0	20.84	16.54		0.045		
8		4	20.90	16.60		0.046		
8		7	20.90	16.60		0.046		
15		0	19.83	15.53		0.036		
1	0	22.01	17.71	0.059				
1	8	21.99	17.69	0.059				
1	14	22.14	17.84	0.061				
1753.5	20385	20385	3	8	0	20.97	16.67	0.046
				8	4	20.94	16.64	0.046
				8	7	20.98	16.68	0.047
				15	0	19.91	15.61	0.036

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1711.5	19965	3	1	0	20.88	16.58	0.045
				1	8	20.97	16.67	0.046
				1	14	20.94	16.64	0.046
				8	0	19.95	15.65	0.037
				8	4	19.91	15.61	0.036
				8	7	19.05	14.75	0.030
				15	0	18.91	14.61	0.029
	1732.5	20175		1	0	20.82	16.52	0.045
				1	8	20.78	16.48	0.044
				1	14	20.77	16.47	0.044
				8	0	19.89	15.59	0.036
				8	4	19.89	15.59	0.036
				8	7	19.85	15.55	0.036
				15	0	18.74	14.44	0.028
	1753.5	20385		1	0	20.91	16.61	0.046
				1	8	21.02	16.72	0.047
				1	14	20.98	16.68	0.047
				8	0	19.91	15.61	0.036
				8	4	19.92	15.62	0.036
				8	7	20.02	15.72	0.037
				15	0	18.91	14.61	0.029

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1712.5	19975	5	1	0	22.71	18.41	0.069
				1	12	22.74	18.44	0.070
				1	24	22.76	18.46	0.070
				12	0	21.78	17.48	0.056
				12	7	21.83	17.53	0.057
				12	13	21.77	17.47	0.056
				25	0	20.82	16.52	0.045
	1732.5	20175		1	0	22.82	18.52	0.071
				1	12	22.94	18.64	0.073
				1	24	22.87	18.57	0.072
				12	0	21.85	17.55	0.057
				12	7	21.89	17.59	0.057
				12	13	21.97	17.67	0.058
				25	0	20.86	16.56	0.045
	1752.5	20375		1	0	22.75	18.45	0.070
				1	12	22.82	18.52	0.071
				1	24	22.69	18.39	0.069
				12	0	21.83	17.53	0.057
				12	7	21.87	17.57	0.057
				12	13	21.90	17.60	0.058
				25	0	20.87	16.57	0.045
16QAM	1712.5	19975	1	0	21.85	17.55	0.057	
			1	12	21.69	17.39	0.055	
			1	24	21.87	17.57	0.057	
			12	0	20.78	16.48	0.044	
			12	7	20.80	16.50	0.045	
			12	13	20.77	16.47	0.044	
			25	0	19.83	15.53	0.036	
	1732.5	20175	1	0	22.15	17.85	0.061	
			1	12	22.06	17.76	0.060	
			1	24	22.09	17.79	0.060	
			12	0	20.86	16.56	0.045	
			12	7	20.91	16.61	0.046	
			12	13	20.85	16.55	0.045	
			25	0	19.90	15.60	0.036	
	1752.5	20375	1	0	21.68	17.38	0.055	
			1	12	21.95	17.65	0.058	
			1	24	21.83	17.53	0.057	
			12	0	20.84	16.54	0.045	
12	7	20.83	16.53	0.045				
12	13	20.80	16.50	0.045				
25	0	19.93	15.63	0.037				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1712.5	19975	5	1	0	20.81	16.51	0.045
				1	12	20.84	16.54	0.045
				1	24	20.80	16.50	0.045
				12	0	19.83	15.53	0.036
				12	7	19.75	15.45	0.035
				12	13	19.88	15.58	0.036
				25	0	18.88	14.58	0.029
	1732.5	20175		1	0	20.75	16.45	0.044
				1	12	20.79	16.49	0.045
				1	24	20.85	16.55	0.045
				12	0	19.89	15.59	0.036
				12	7	19.82	15.52	0.036
				12	13	19.86	15.56	0.036
				25	0	18.90	14.60	0.029
	1752.5	20375		1	0	20.88	16.58	0.045
				1	12	20.97	16.67	0.046
				1	24	20.93	16.63	0.046
				12	0	19.88	15.58	0.036
				12	7	19.88	15.58	0.036
				12	13	19.95	15.65	0.037
				25	0	18.85	14.55	0.029

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1715	20000	10	1	0	22.75	18.45	0.070
				1	25	22.76	18.46	0.070
				1	49	22.72	18.42	0.070
				25	0	21.87	17.57	0.057
				25	12	21.93	17.63	0.058
				25	25	21.86	17.56	0.057
	50	0		20.81	16.51	0.045		
	1732.5	20175		1	0	22.91	18.61	0.073
				1	25	22.88	18.58	0.072
				1	49	22.95	18.65	0.073
				25	0	21.89	17.59	0.057
				25	12	21.99	17.69	0.059
				25	25	21.94	17.64	0.058
	1750	20350		50	0	20.92	16.62	0.046
				1	0	22.84	18.54	0.071
				1	25	22.77	18.47	0.070
				1	49	22.71	18.41	0.069
				25	0	21.85	17.55	0.057
25			12	21.92	17.62	0.058		
16QAM	1715	20000	25	25	21.88	17.58	0.057	
			50	0	20.89	16.59	0.046	
			1	0	22.39	18.09	0.064	
			1	25	22.43	18.13	0.065	
			1	49	22.43	18.13	0.065	
			25	0	20.97	16.67	0.046	
	1732.5	20175	25	12	21.01	16.71	0.047	
			25	25	20.95	16.65	0.046	
			50	0	19.81	15.51	0.036	
			1	0	22.09	17.79	0.060	
			1	25	22.01	17.71	0.059	
			1	49	22.12	17.82	0.061	
	1750	20350	25	0	20.93	16.63	0.046	
			25	12	21.03	16.73	0.047	
			25	25	21.07	16.77	0.048	
			50	0	19.93	15.63	0.037	
			1	0	22.63	18.33	0.068	
			1	25	22.44	18.14	0.065	
			1	49	22.43	18.13	0.065	
			25	0	20.88	16.58	0.045	
			25	12	20.98	16.68	0.047	
			25	25	20.96	16.66	0.046	
			50	0	19.82	15.52	0.036	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
64QAM	1715	20000	10	1	0	20.92	16.62	0.046	
				1	25	20.89	16.59	0.046	
				1	49	20.91	16.61	0.046	
				25	0	19.85	15.55	0.036	
				25	12	19.88	15.58	0.036	
				25	25	19.78	15.48	0.035	
	1732.5	20175		50	0	18.85	14.55	0.029	
				1	0	20.98	16.68	0.047	
				1	25	21.01	16.71	0.047	
				1	49	20.99	16.69	0.047	
				25	0	19.97	15.67	0.037	
				25	12	19.91	15.61	0.036	
	1750	20350		25	25	19.96	15.66	0.037	
				50	0	18.92	14.62	0.029	
				1	0	20.84	16.54	0.045	
				1	25	20.91	16.61	0.046	
				1	49	20.90	16.60	0.046	
				25	0	19.86	15.56	0.036	
					25	12	19.84	15.54	0.036
					25	25	19.90	15.60	0.036
					50	0	18.84	14.54	0.028

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1717.5	20025	15	1	0	22.75	18.45	0.070
				1	37	22.71	18.41	0.069
				1	74	22.80	18.50	0.071
				36	0	21.75	17.45	0.056
				36	29	21.82	17.52	0.056
				36	30	21.85	17.55	0.057
				75	0	20.86	16.56	0.045
	1732.5	20175		1	0	22.88	18.58	0.072
				1	37	22.62	18.32	0.068
				1	74	22.78	18.48	0.070
				36	0	21.97	17.67	0.058
				36	29	21.87	17.57	0.057
				36	30	21.87	17.57	0.057
				75	0	20.84	16.54	0.045
	1747.5	20325		1	0	22.91	18.61	0.073
				1	37	22.65	18.35	0.068
				1	74	22.71	18.41	0.069
				36	0	21.88	17.58	0.057
				36	29	21.84	17.54	0.057
				36	30	21.87	17.57	0.057
				75	0	20.82	16.52	0.045
16QAM	1717.5	20025	1	0	22.56	18.26	0.067	
			1	37	22.39	18.09	0.064	
			1	74	22.38	18.08	0.064	
			36	0	20.81	16.51	0.045	
			36	29	20.92	16.62	0.046	
			36	30	20.88	16.58	0.045	
			75	0	19.89	15.59	0.036	
	1732.5	20175	1	0	22.52	18.22	0.066	
			1	37	22.41	18.11	0.065	
			1	74	22.00	17.70	0.059	
			36	0	21.05	16.75	0.047	
			36	29	20.94	16.64	0.046	
			36	30	20.91	16.61	0.046	
			75	0	19.89	15.59	0.036	
	1747.5	20325	1	0	22.27	17.97	0.063	
			1	37	21.88	17.58	0.057	
			1	74	22.04	17.74	0.059	
			36	0	20.99	16.69	0.047	
			36	29	20.82	16.52	0.045	
			36	30	20.92	16.62	0.046	
			75	0	19.87	15.57	0.036	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1717.5	20025	15	1	0	20.88	16.58	0.045
				1	37	20.82	16.52	0.045
				1	74	20.79	16.49	0.045
				36	0	19.85	15.55	0.036
				36	29	19.81	15.51	0.036
				36	30	19.84	15.54	0.036
				75	0	18.81	14.51	0.028
	1732.5	20175		1	0	20.88	16.58	0.045
				1	37	20.93	16.63	0.046
				1	74	20.91	16.61	0.046
				36	0	19.92	15.62	0.036
				36	29	19.92	15.62	0.036
				36	30	19.94	15.64	0.037
				75	0	18.95	14.65	0.029
	1747.5	20325		1	0	20.83	16.53	0.045
				1	37	20.90	16.60	0.046
				1	74	20.87	16.57	0.045
				36	0	19.89	15.59	0.036
				36	29	19.93	15.63	0.037
				36	30	19.85	15.55	0.036
				75	0	18.86	14.56	0.029

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1720	20050	20	1	0	22.90	18.60	0.072
				1	49	22.85	18.55	0.072
				1	99	22.87	18.57	0.072
				50	0	21.86	17.56	0.057
				50	24	21.88	17.58	0.057
				50	50	21.87	17.57	0.057
	100	0		20.94	16.64	0.046		
	1	0		22.95	18.65	0.073		
	1	49		22.97	18.67	0.074		
	1	99		22.96	18.66	0.073		
	50	0		21.95	17.65	0.058		
	50	24		21.91	17.61	0.058		
	50	50		21.86	17.56	0.057		
	100	0		20.94	16.64	0.046		
	1	0		22.88	18.58	0.072		
	1	49		22.69	18.39	0.069		
	1	99		22.78	18.48	0.070		
	50	0		21.96	17.66	0.058		
50	24	21.92	17.62	0.058				
50	50	21.88	17.58	0.057				
100	0	20.92	16.62	0.046				
16QAM	1720	20050	20	1	0	22.17	17.87	0.061
				1	49	22.18	17.88	0.061
				1	99	22.15	17.85	0.061
				50	0	20.82	16.52	0.045
				50	24	20.84	16.54	0.045
				50	50	20.84	16.54	0.045
	100	0		19.95	15.65	0.037		
	1	0		22.30	18.00	0.063		
	1	49		22.18	17.88	0.061		
	1	99		22.14	17.84	0.061		
	50	0		20.96	16.66	0.046		
	50	24		20.89	16.59	0.046		
	50	50		20.98	16.68	0.047		
	100	0		19.90	15.60	0.036		
	1	0		22.64	18.34	0.068		
	1	49		22.41	18.11	0.065		
	1	99		22.35	18.05	0.064		
	50	0		20.97	16.67	0.046		
50	24	20.88	16.58	0.045				
50	50	20.87	16.57	0.045				
100	0	19.93	15.63	0.037				

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	20.92	16.62	0.046
				1	49	20.88	16.58	0.045
				1	99	20.91	16.61	0.046
				50	0	19.87	15.57	0.036
				50	24	19.91	15.61	0.036
				50	50	19.91	15.61	0.036
				100	0	18.89	14.59	0.029
	1732.5	20175		1	0	20.87	16.57	0.045
				1	49	20.94	16.64	0.046
				1	99	20.88	16.58	0.045
				50	0	19.91	15.61	0.036
				50	24	19.92	15.62	0.036
				50	50	19.95	15.65	0.037
				100	0	18.93	14.63	0.029
	1745	20300		1	0	20.78	16.48	0.044
				1	49	20.90	16.60	0.046
				1	99	20.83	16.53	0.045
				50	0	19.90	15.60	0.036
				50	24	19.86	15.56	0.036
				50	50	19.89	15.59	0.036
				100	0	18.86	14.56	0.029