

Fig.85

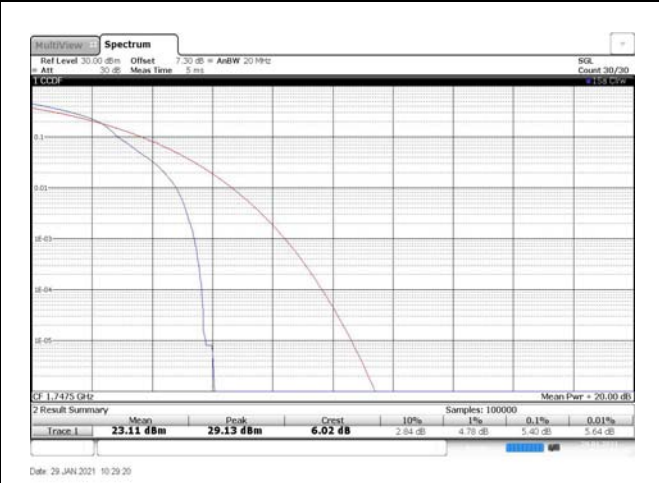


Fig.86

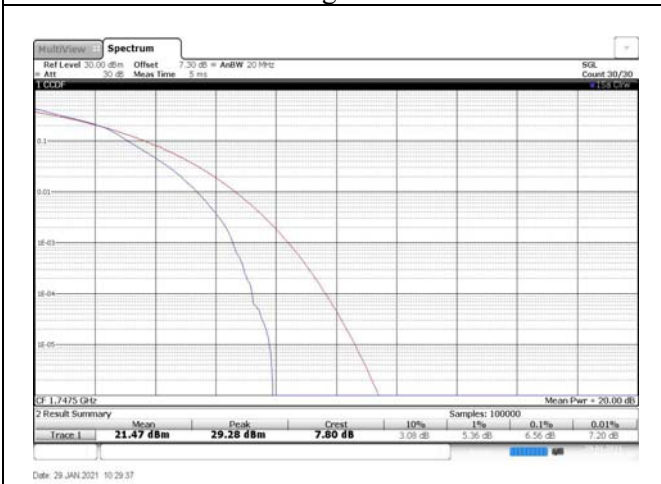


Fig.87

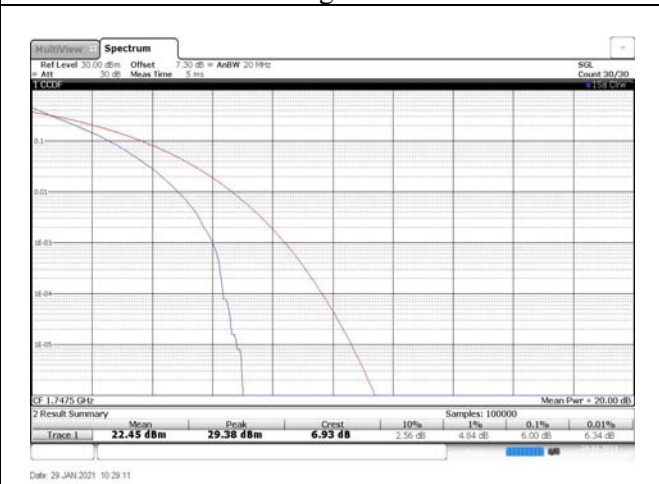


Fig.88

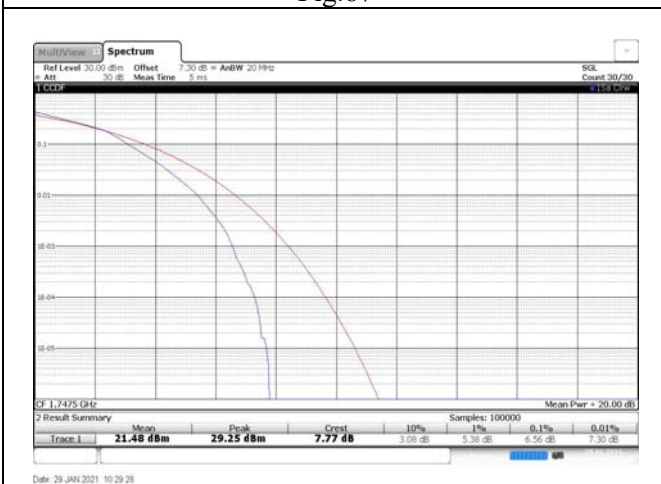


Fig.89

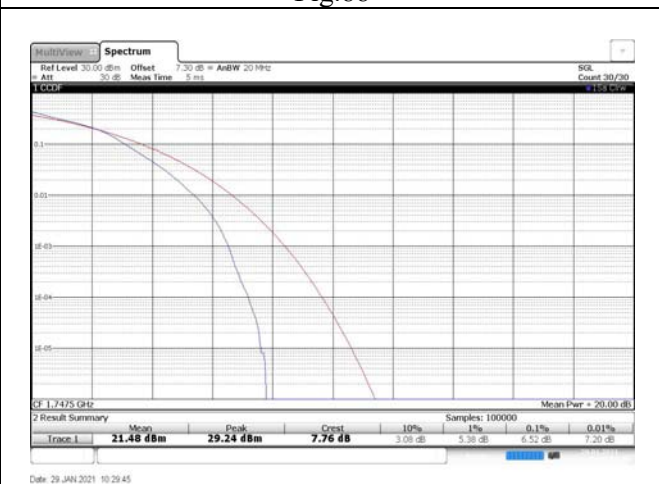


Fig.90

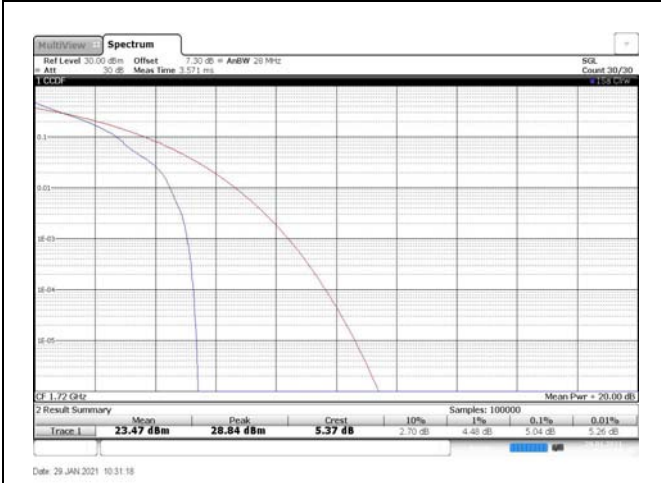


Fig.91

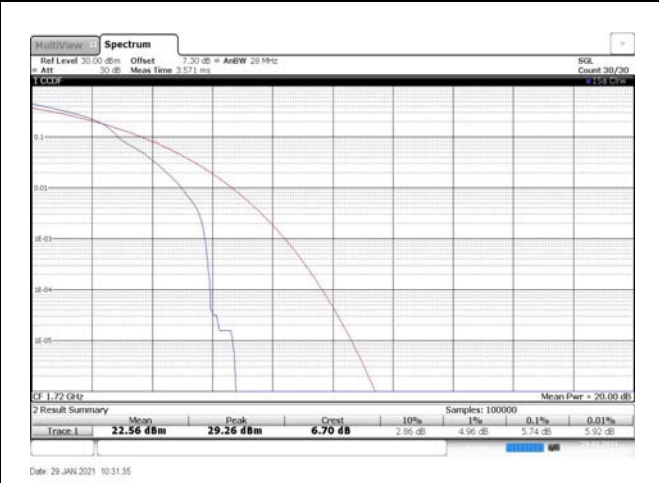


Fig.92

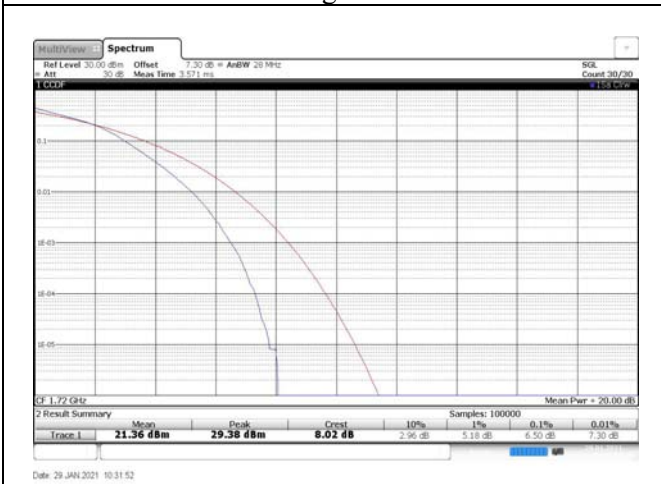


Fig.93

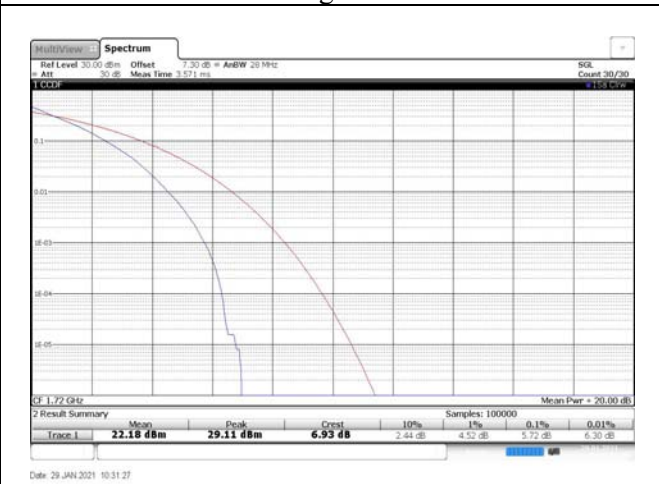


Fig.94

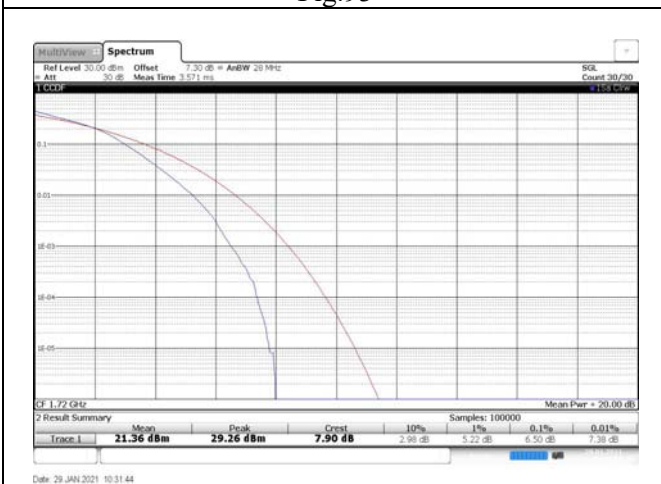


Fig.95

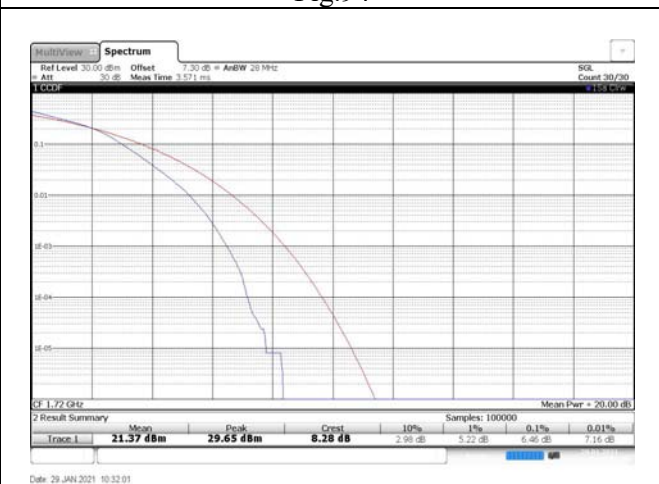


Fig.96

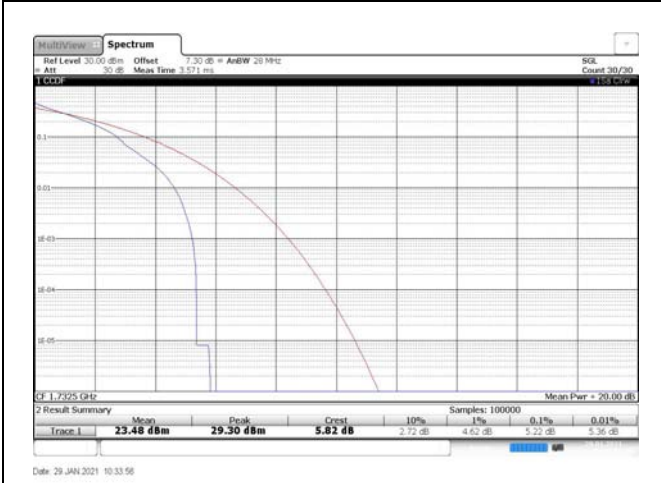


Fig.97

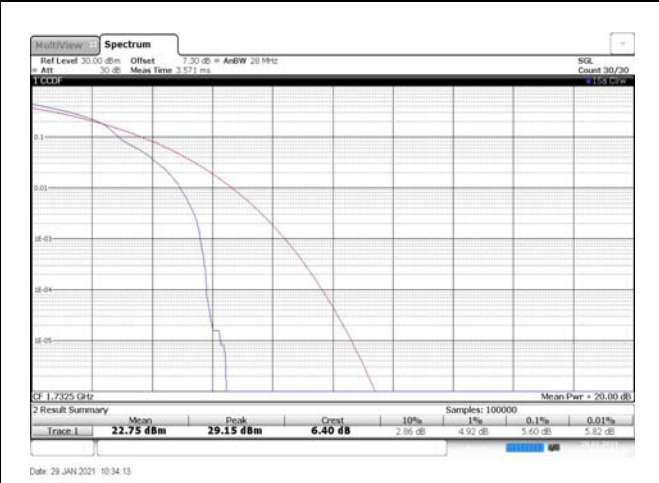


Fig.98

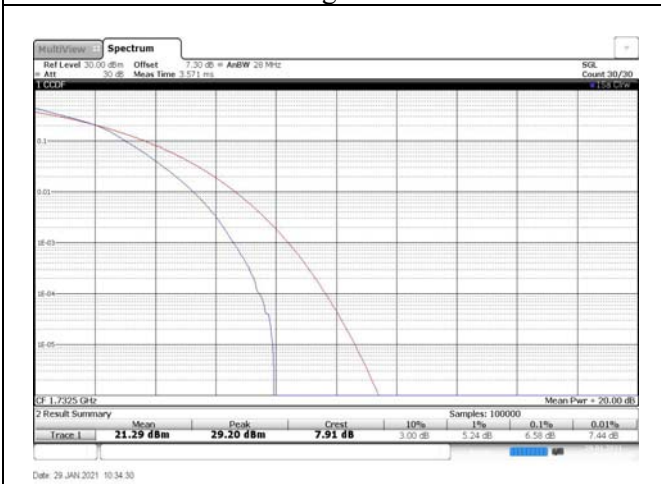


Fig.99

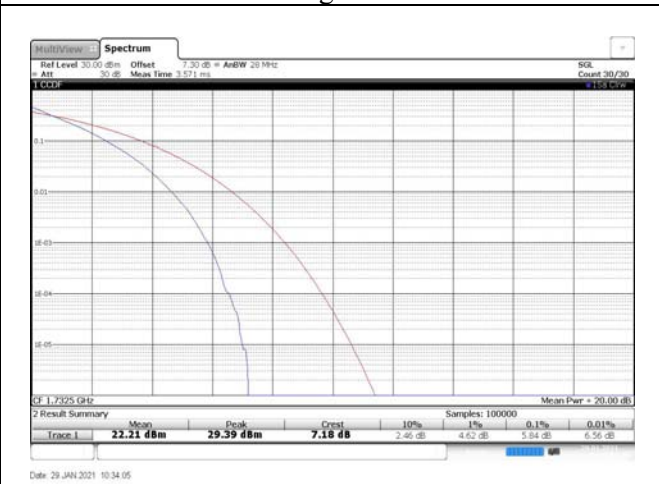


Fig.100

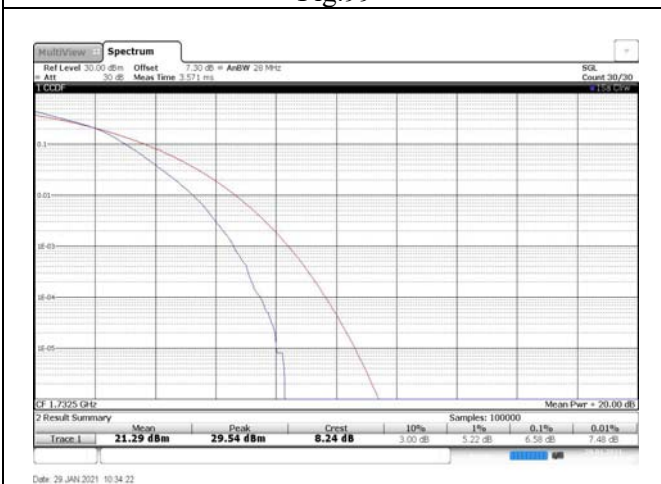


Fig.101

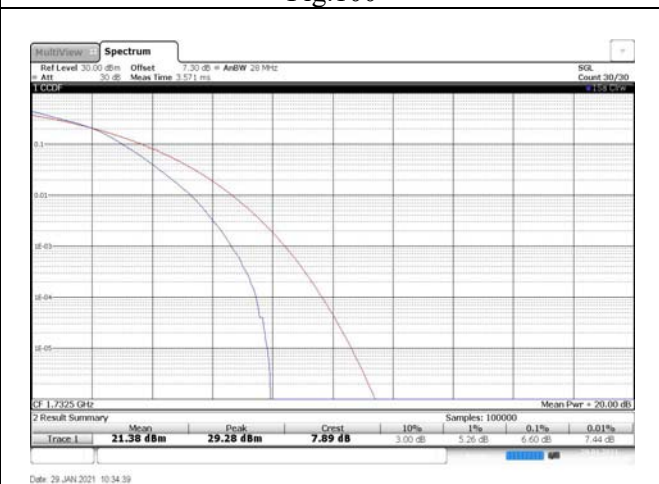


Fig.102

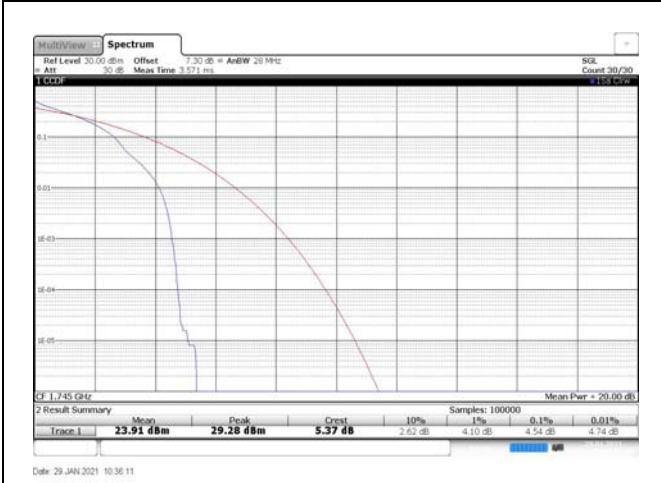


Fig.103

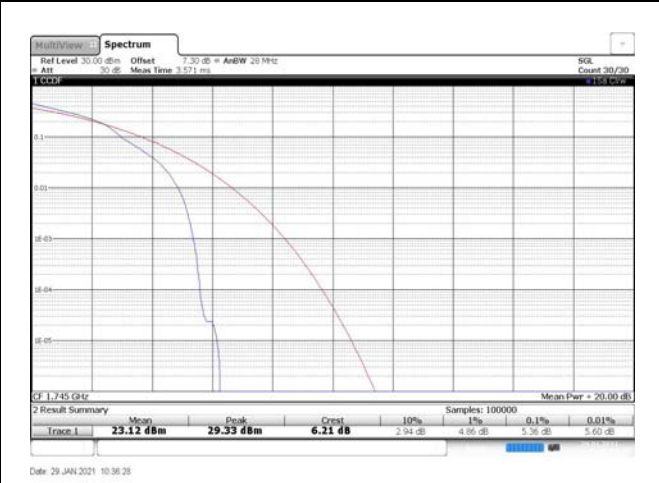


Fig.104

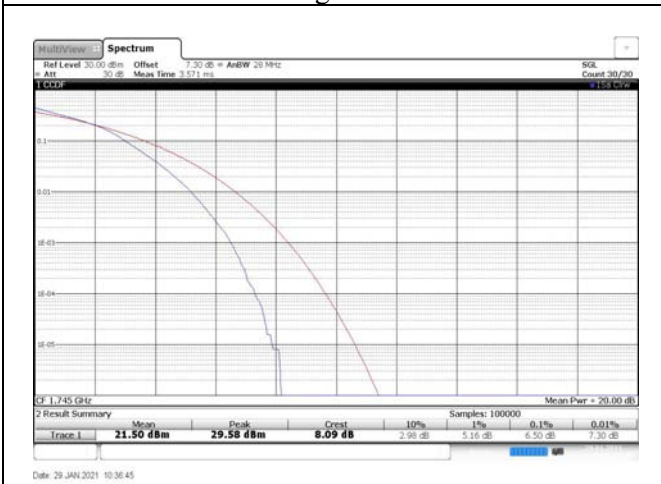


Fig.105

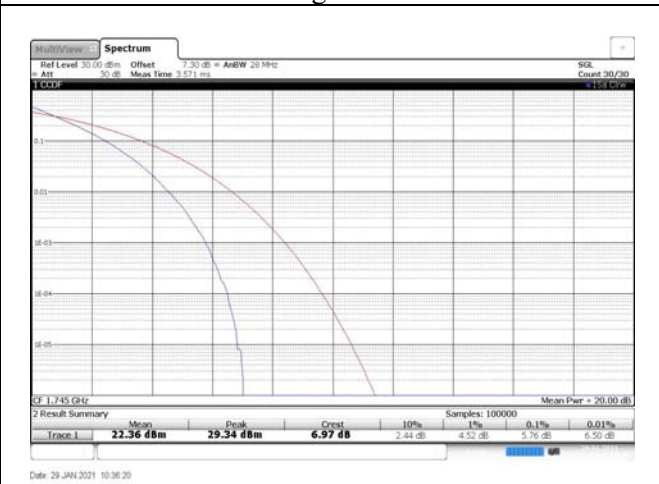


Fig.106

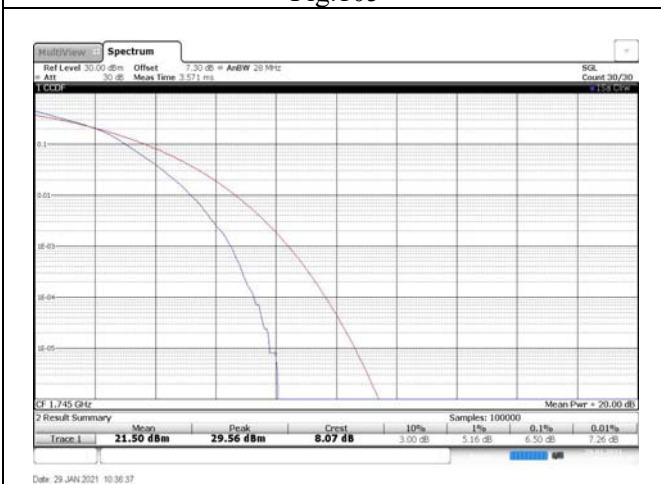


Fig.107

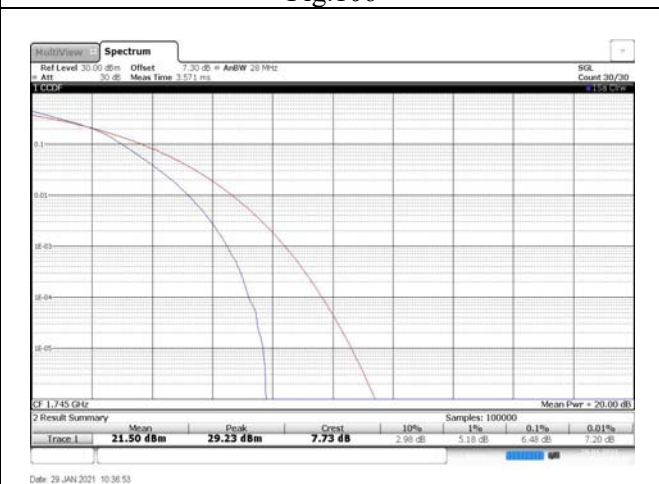


Fig.108

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

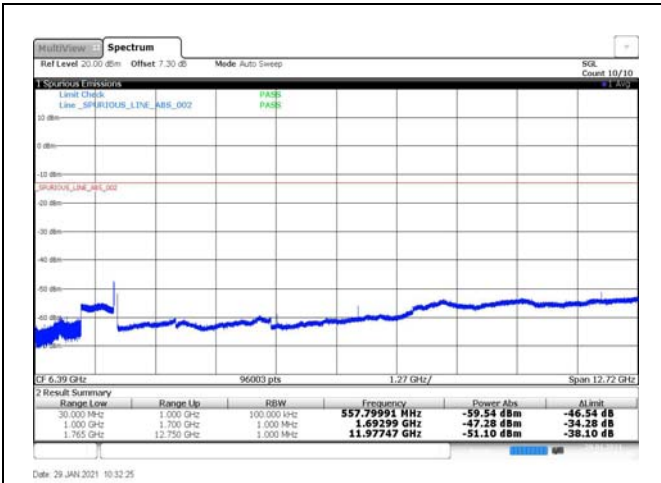


Fig.1

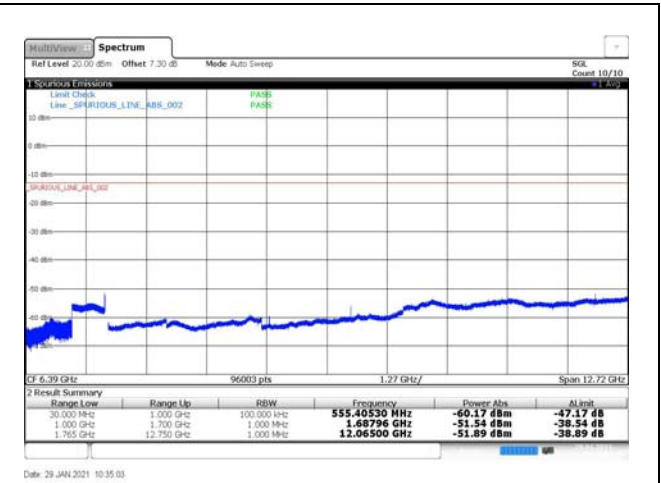


Fig.2

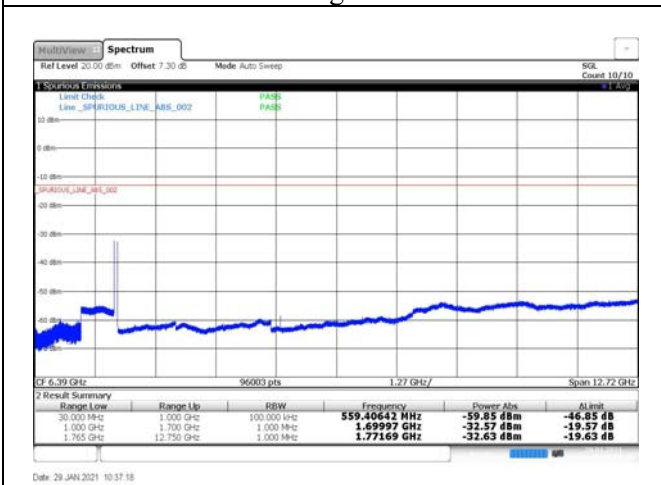


Fig.3

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

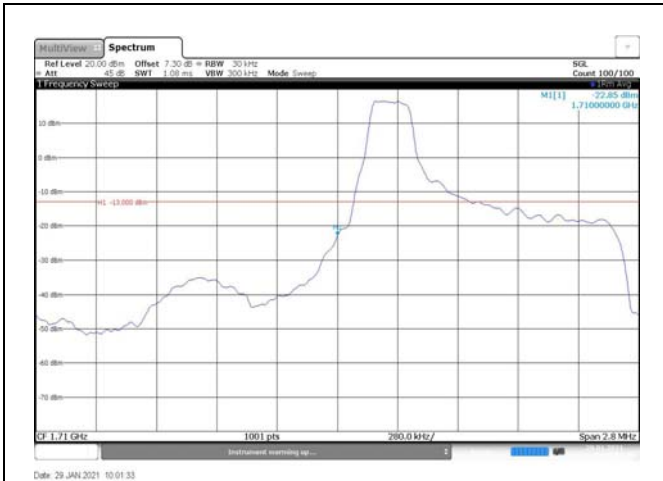


Fig.1

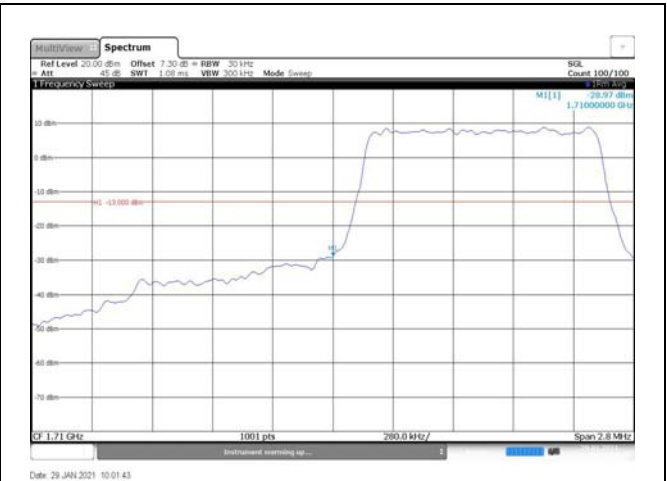


Fig.2

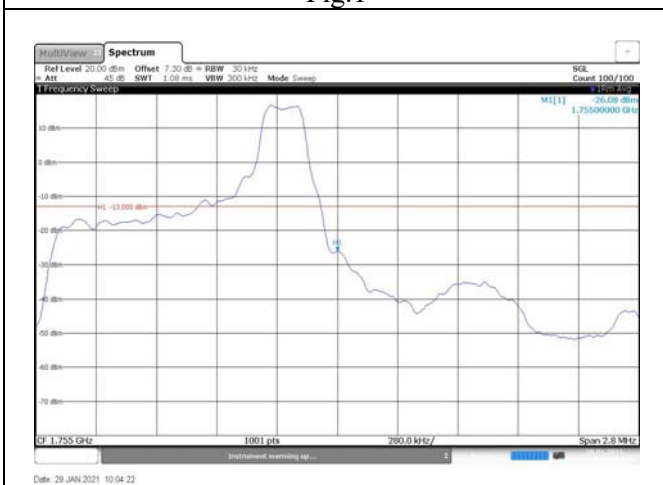


Fig.3

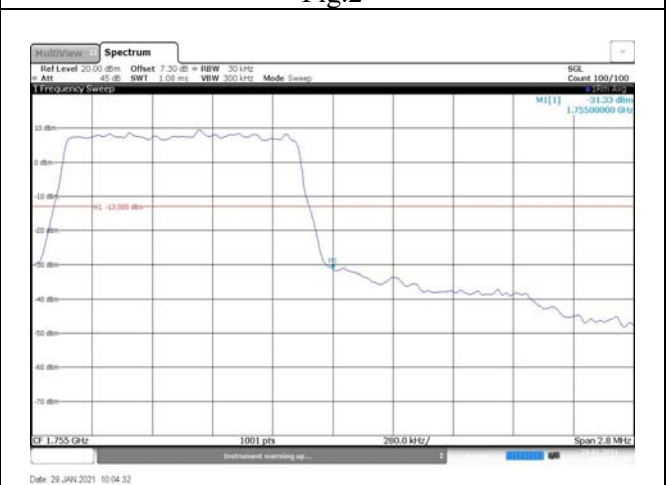


Fig.4

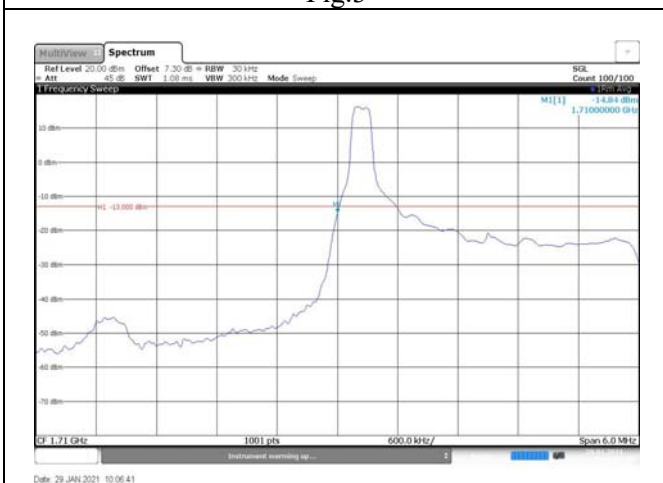


Fig.5

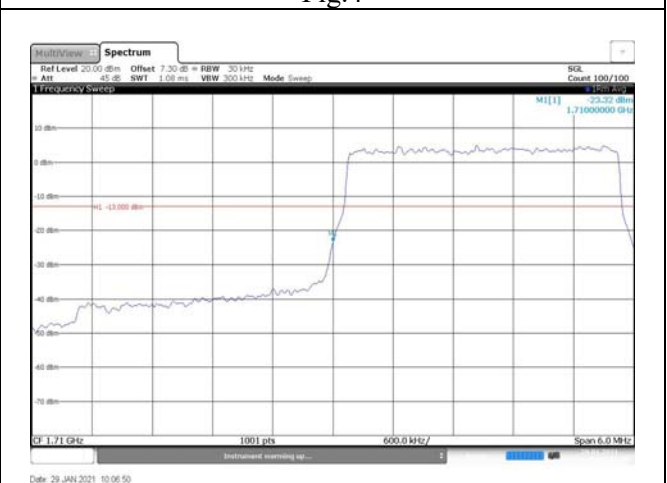


Fig.6

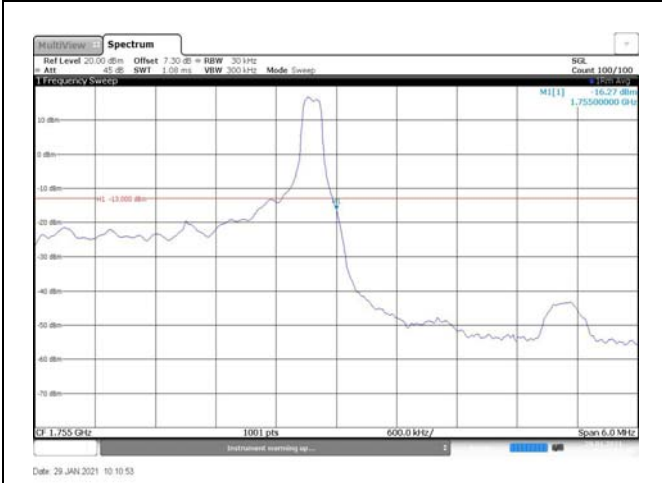


Fig.7

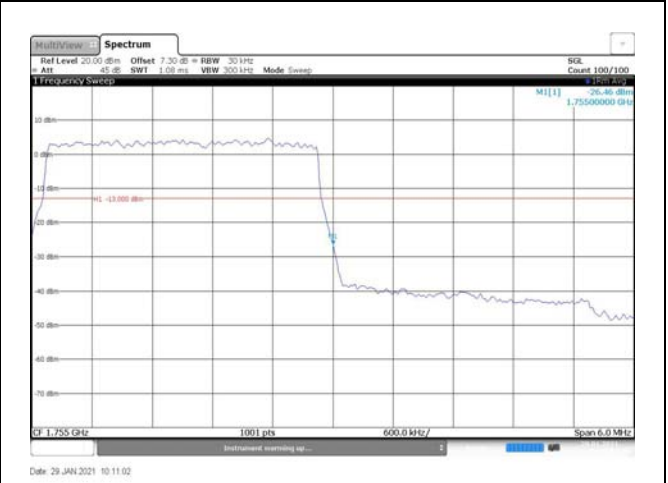


Fig.8

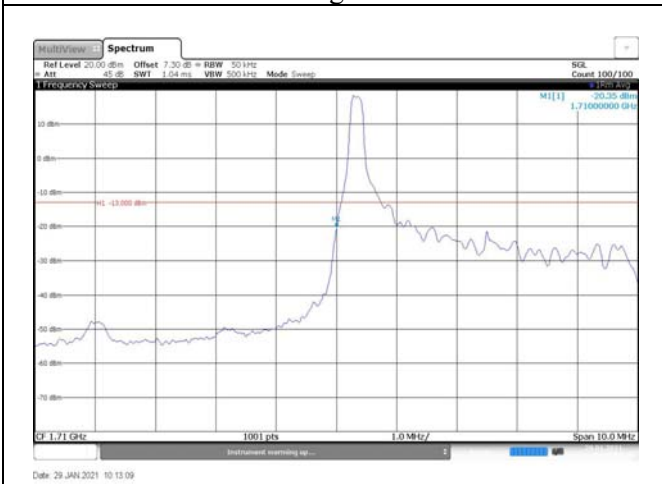


Fig.9

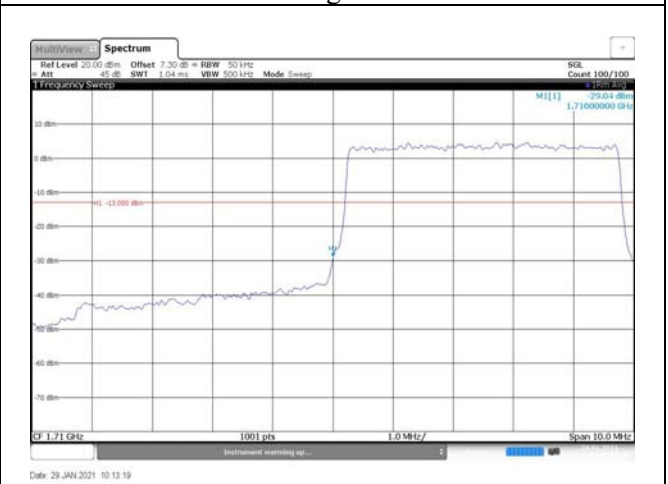


Fig.10

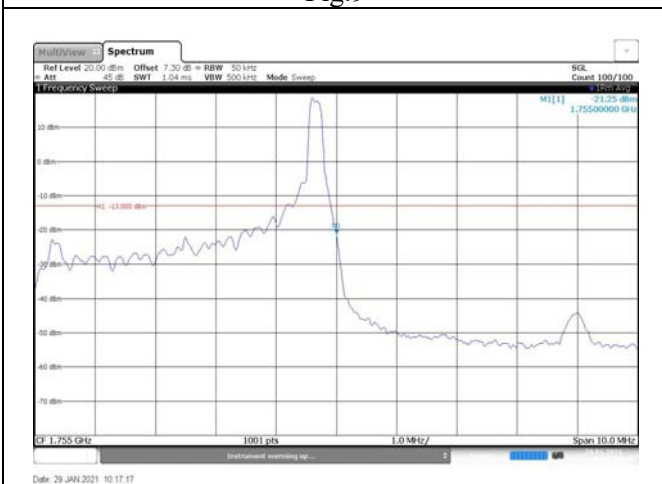


Fig.11

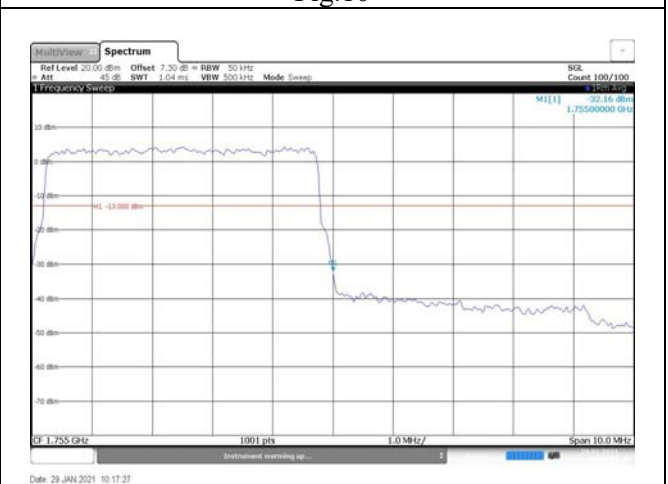
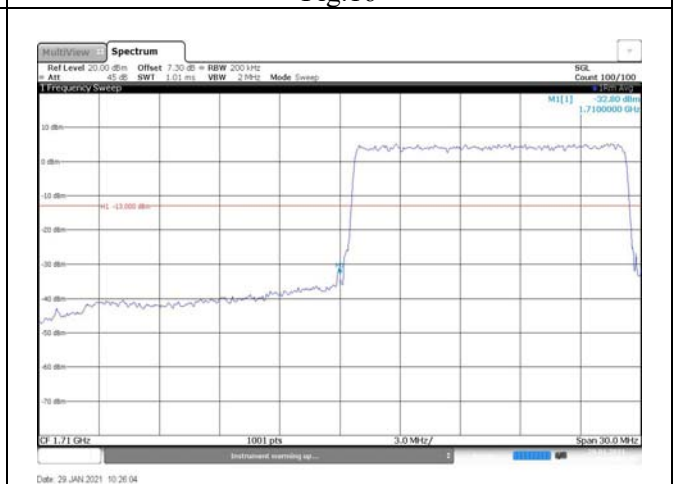
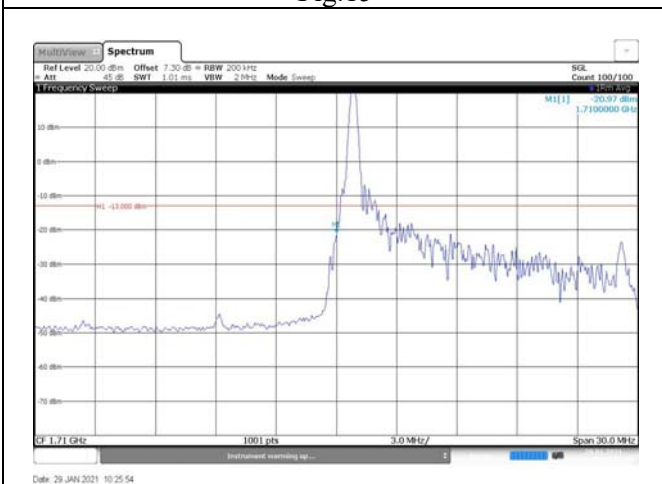
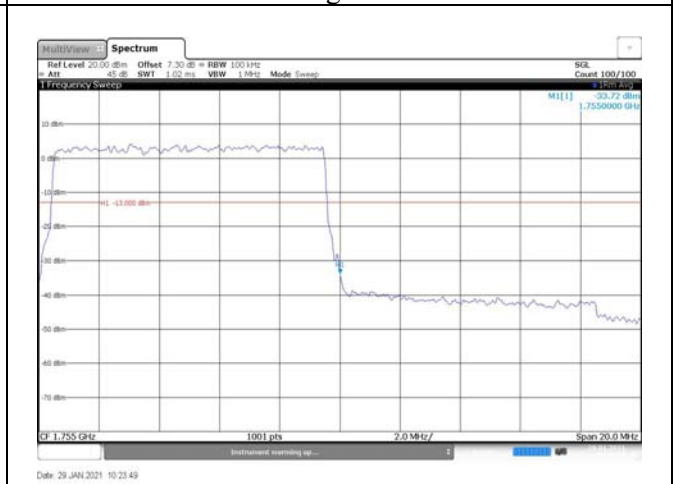
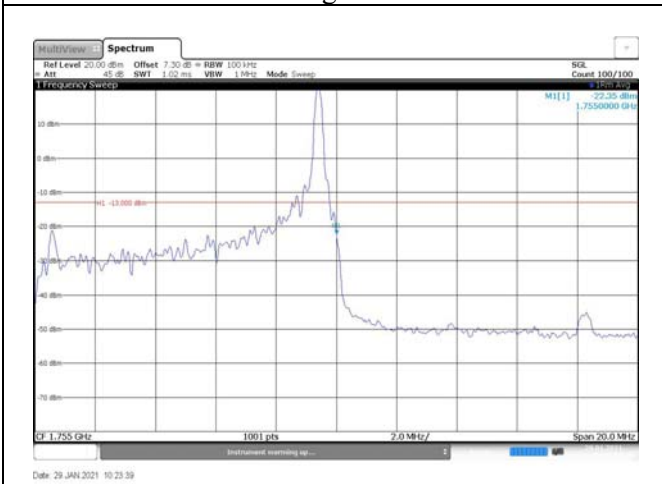
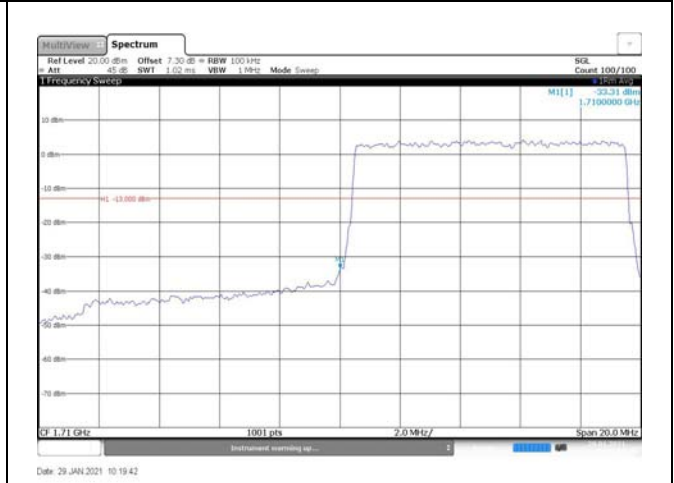
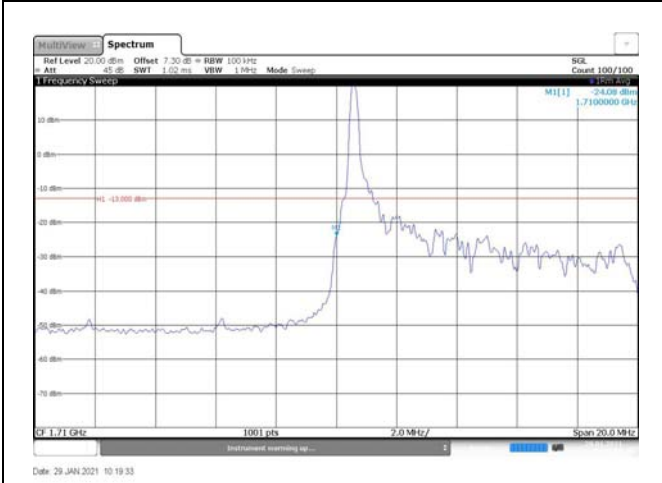


Fig.12



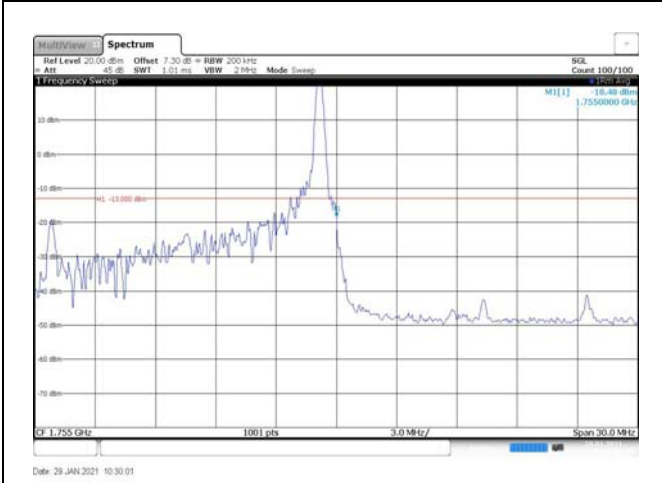


Fig.19

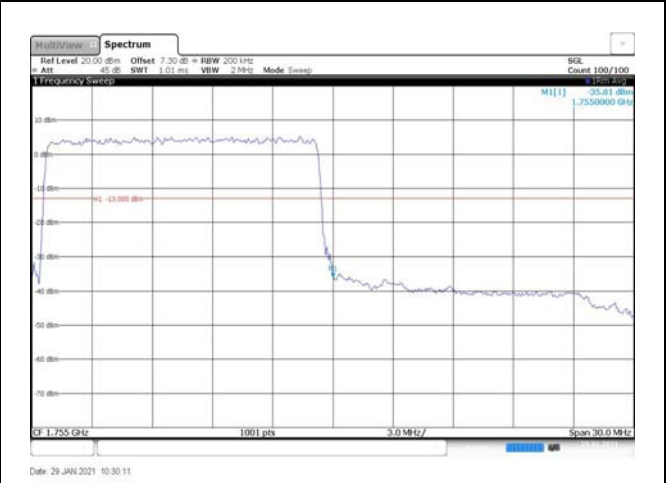


Fig.20

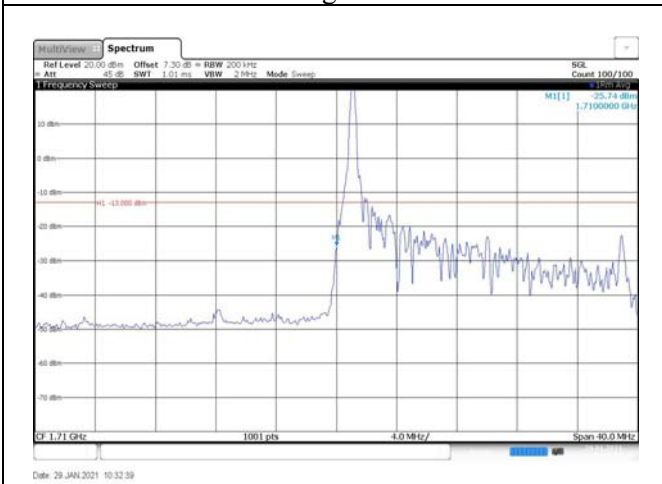


Fig.21

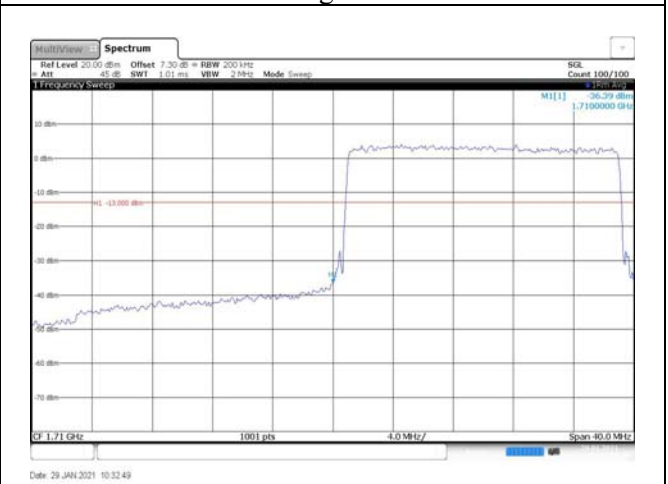


Fig.22

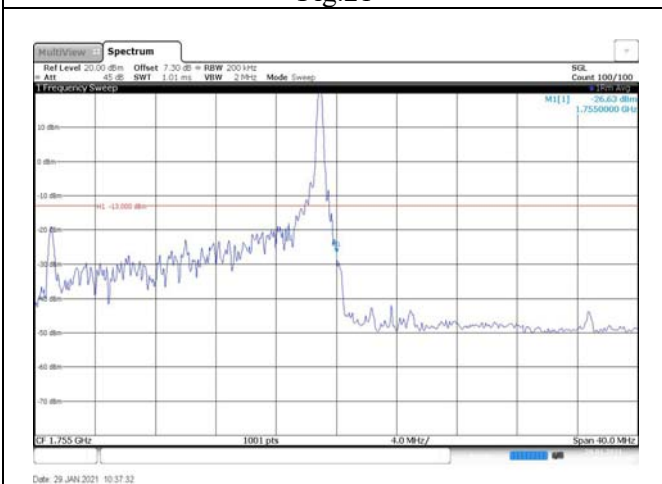


Fig.23

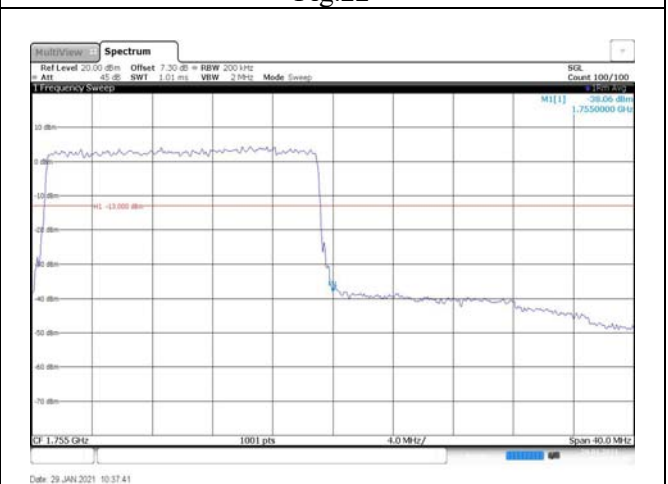


Fig.24

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band4 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-30	NV	-0.021	-0.016	-0.002	-0.023	-0.022	-0.016
-20	NV	-0.005	-0.005	-0.017	-0.029	-0.016	-0.001
-10	NV	-0.022	-0.016	0.000	-0.017	-0.011	0.000
0	NV	-0.016	-0.018	0.003	-0.024	-0.020	0.006
+10	NV	-0.002	-0.010	0.003	-0.010	-0.018	-0.016
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	-0.005	-0.012	-0.024	-0.009	-0.021	-0.022
+40	NV	-0.008	0.000	-0.010	-0.014	-0.018	-0.019
+50	NV	-0.020	-0.018	-0.003	-0.020	-0.016	-0.010
+20	LV	-0.025	-0.030	-0.007	-0.012	-0.018	-0.023
+20	HV	-0.013	-0.011	-0.024	-0.012	-0.026	-0.020

Temperature(°C)	Voltage	Test Result (ppm) Band4 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-30	NV	-0.014	-0.021	-0.001	-0.010	-0.004	-0.004
-20	NV	-0.013	-0.018	-0.008	-0.015	-0.009	-0.010
-10	NV	-0.011	-0.019	-0.008	-0.016	-0.002	-0.004
0	NV	-0.019	-0.002	-0.004	-0.009	-0.016	-0.009
+10	NV	-0.011	-0.006	-0.010	-0.011	-0.021	-0.025
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	-0.024	-0.003	-0.002	-0.013	-0.004	-0.008
+40	NV	-0.022	0.001	-0.002	-0.015	-0.021	-0.004
+50	NV	-0.019	-0.008	-0.005	-0.019	-0.022	-0.004
+20	LV	-0.013	-0.003	-0.001	-0.016	-0.003	-0.012
+20	HV	-0.016	-0.021	-0.005	-0.015	-0.012	-0.015

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	23.77	23.02	0.200
				1	3	23.83	23.08	0.203
				1	5	23.82	23.07	0.203
				3	0	23.79	23.04	0.201
				3	1	23.89	23.14	0.206
				3	3	23.75	23.00	0.200
	6	0		22.80	22.05	0.160		
	1732.5	20175		1	0	23.75	23.00	0.200
				1	3	23.70	22.95	0.197
				1	5	23.78	23.03	0.201
				3	0	23.61	22.86	0.193
				3	1	23.68	22.93	0.196
				3	3	23.72	22.97	0.198
	6	0		22.68	21.93	0.156		
	1754.3	20393		1	0	24.03	23.28	0.213
				1	3	23.96	23.21	0.209
				1	5	24.05	23.30	0.214
				3	0	23.83	23.08	0.203
3			1	23.91	23.16	0.207		
3			3	23.90	23.15	0.207		
16QAM	1710.7	19957	1	0	23.64	22.89	0.195	
			1	3	23.67	22.92	0.196	
			1	5	23.65	22.90	0.195	
			3	0	22.96	22.21	0.166	
			3	1	23.03	22.28	0.169	
			3	3	23.00	22.25	0.168	
	6	0	22.09	21.34	0.136			
	1732.5	20175	1	0	23.45	22.70	0.186	
			1	3	23.52	22.77	0.189	
			1	5	23.43	22.68	0.185	
			3	0	22.95	22.20	0.166	
			3	1	22.93	22.18	0.165	
			3	3	22.93	22.18	0.165	
	6	0	21.90	21.15	0.130			
	1754.3	20393	1	0	22.81	22.06	0.161	
			1	3	23.00	22.25	0.168	
			1	5	23.00	22.25	0.168	
			3	0	22.86	22.11	0.163	
3			1	22.85	22.10	0.162		
3			3	22.85	22.10	0.162		

				6	0	22.14	21.39	0.138
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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	22.13	21.38	0.137
				1	3	22.06	21.31	0.135
				1	5	21.97	21.22	0.132
				3	0	21.91	21.16	0.131
				3	1	21.94	21.19	0.132
				3	3	21.89	21.14	0.130
	1732.5	20175		6	0	21.82	21.07	0.128
				1	0	21.90	21.15	0.130
				1	3	21.84	21.09	0.129
				1	5	21.78	21.03	0.127
				3	0	21.85	21.10	0.129
				3	1	21.98	21.23	0.133
	1754.3	20393		3	3	21.84	21.09	0.129
				6	0	21.93	21.18	0.131
				1	0	22.01	21.26	0.134
				1	3	22.02	21.27	0.134
				1	5	22.07	21.32	0.136
				3	0	22.14	21.39	0.138
				3	1	22.10	21.35	0.136
				3	3	22.03	21.28	0.134
				6	0	22.12	21.37	0.137

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	23.45	22.70	0.186
				1	8	23.45	22.70	0.186
				1	14	23.43	22.68	0.185
				8	0	22.56	21.81	0.152
				8	4	22.53	21.78	0.151
				8	7	22.53	21.78	0.151
	15	0		22.49	21.74	0.149		
	1	0		23.51	22.76	0.189		
	1	8		23.52	22.77	0.189		
	1	14		23.50	22.75	0.188		
	8	0		22.36	21.61	0.145		
	8	4		22.34	21.59	0.144		
	8	7		22.33	21.58	0.144		
	15	0		22.37	21.62	0.145		
	1	0		23.79	23.04	0.201		
	1	8		23.85	23.10	0.204		
	1	14		23.83	23.08	0.203		
	8	0		22.60	21.85	0.153		
8	4	22.63	21.88	0.154				
8	7	22.62	21.87	0.154				
15	0	22.67	21.92	0.156				
16QAM	1711.5	19965	3	1	0	22.84	22.09	0.162
				1	8	22.84	22.09	0.162
				1	14	22.97	22.22	0.167
				8	0	21.99	21.24	0.133
				8	4	21.92	21.17	0.131
				8	7	21.92	21.17	0.131
	15	0		21.70	20.95	0.124		
	1	0		22.60	21.85	0.153		
	1	8		22.69	21.94	0.156		
	1	14		22.64	21.89	0.155		
	8	0		21.64	20.89	0.123		
	8	4		21.61	20.86	0.122		
	8	7		21.62	20.87	0.122		
	15	0		21.54	20.79	0.120		
	1	0		22.49	21.74	0.149		
	1	8		22.44	21.69	0.148		
	1	14		22.44	21.69	0.148		
	8	0		21.92	21.17	0.131		
8	4	21.98	21.23	0.133				
8	7	21.98	21.23	0.133				
15	0	21.78	21.03	0.127				

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	21.76	21.01	0.126
				1	8	21.71	20.96	0.125
				1	14	21.69	20.94	0.124
				8	0	21.73	20.98	0.125
				8	4	21.78	21.03	0.127
				8	7	21.75	21.00	0.126
				15	0	21.62	20.87	0.122
	1732.5	20175		1	0	21.53	20.78	0.120
				1	8	21.44	20.69	0.117
				1	14	21.52	20.77	0.119
				8	0	21.37	20.62	0.115
				8	4	21.43	20.68	0.117
				8	7	21.61	20.86	0.122
				15	0	21.48	20.73	0.118
	1753.5	20385		1	0	21.73	20.98	0.125
				1	8	21.75	21.00	0.126
				1	14	21.78	21.03	0.127
				8	0	21.68	20.93	0.124
				8	4	21.80	21.05	0.127
				8	7	21.59	20.84	0.121
				15	0	21.72	20.97	0.125

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	23.32	22.57	0.181
				1	12	23.22	22.47	0.177
				1	24	23.20	22.45	0.176
				12	0	22.40	21.65	0.146
				12	7	22.41	21.66	0.147
				12	13	22.40	21.65	0.146
	25	0		22.34	21.59	0.144		
	1732.5	20175		1	0	23.27	22.52	0.179
				1	12	23.23	22.48	0.177
				1	24	23.21	22.46	0.176
				12	0	22.37	21.62	0.145
				12	7	22.33	21.58	0.144
				12	13	22.32	21.57	0.144
	25	0		22.35	21.60	0.145		
	1752.5	20375		1	0	23.60	22.85	0.193
				1	12	23.64	22.89	0.195
				1	24	23.63	22.88	0.194
				12	0	22.61	21.86	0.153
12			7	22.53	21.78	0.151		
12			13	22.53	21.78	0.151		
25	0	22.63	21.88	0.154				
16QAM	1712.5	19975	1	0	21.81	21.06	0.128	
			1	12	21.58	20.83	0.121	
			1	24	21.56	20.81	0.121	
			12	0	21.61	20.86	0.122	
			12	7	21.54	20.79	0.120	
			12	13	21.48	20.73	0.118	
	25	0	21.60	20.85	0.122			
	1732.5	20175	1	0	21.64	20.89	0.123	
			1	12	21.73	20.98	0.125	
			1	24	21.54	20.79	0.120	
			12	0	21.51	20.76	0.119	
			12	7	21.46	20.71	0.118	
			12	13	21.46	20.71	0.118	
	25	0	21.55	20.80	0.120			
	1752.5	20375	1	0	22.28	21.53	0.142	
			1	12	22.43	21.68	0.147	
			1	24	22.69	21.94	0.156	
			12	0	21.69	20.94	0.124	
12			7	21.79	21.04	0.127		
12			13	21.76	21.01	0.126		
25	0	21.74	20.99	0.126				

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	21.55	20.80	0.120
				1	12	21.59	20.84	0.121
				1	24	21.65	20.90	0.123
				12	0	21.61	20.86	0.122
				12	7	21.60	20.85	0.122
				12	13	21.63	20.88	0.122
	25	0		21.74	20.99	0.126		
	1732.5	20175		1	0	21.55	20.80	0.120
				1	12	21.59	20.84	0.121
				1	24	21.54	20.79	0.120
				12	0	21.45	20.70	0.117
				12	7	21.52	20.77	0.119
				12	13	21.62	20.87	0.122
	25	0		21.34	20.59	0.115		
	1752.5	20375		1	0	21.54	20.79	0.120
				1	12	21.71	20.96	0.125
				1	24	21.64	20.89	0.123
				12	0	21.72	20.97	0.125
				12	7	21.65	20.90	0.123
				12	13	21.74	20.99	0.126
	25	0		21.58	20.83	0.121		

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	23.37	22.62	0.183
				1	25	23.09	22.34	0.171
				1	49	23.35	22.60	0.182
				25	0	22.51	21.76	0.150
				25	12	22.39	21.64	0.146
				25	25	22.39	21.64	0.146
	50	0		22.44	21.69	0.148		
	1	0		23.44	22.69	0.186		
	1	25		23.59	22.84	0.192		
	1	49		23.54	22.79	0.190		
	25	0		22.48	21.73	0.149		
	25	12		22.36	21.61	0.145		
	25	25		22.35	21.60	0.145		
	50	0		22.27	21.52	0.142		
	1	0		23.70	22.95	0.197		
	1	25		23.73	22.98	0.199		
	1	49		23.78	23.03	0.201		
	25	0		22.48	21.73	0.149		
25	12	22.58	21.83	0.152				
25	25	22.57	21.82	0.152				
50	0	22.59	21.84	0.153				
16QAM	1715	20000	10	1	0	23.01	22.26	0.168
				1	25	22.88	22.13	0.163
				1	49	22.79	22.04	0.160
				25	0	21.57	20.82	0.121
				25	12	21.57	20.82	0.121
				25	25	21.57	20.82	0.121
	50	0		21.54	20.79	0.120		
	1	0		23.23	22.48	0.177		
	1	25		23.27	22.52	0.179		
	1	49		23.16	22.41	0.174		
	25	0		21.62	20.87	0.122		
	25	12		21.53	20.78	0.120		
	25	25		21.53	20.78	0.120		
	50	0		21.42	20.67	0.117		
	1	0		22.21	21.46	0.140		
	1	25		22.41	21.66	0.147		
	1	49		22.41	21.66	0.147		
	25	0		21.87	21.12	0.129		
25	12	21.97	21.22	0.132				
25	25	21.82	21.07	0.128				
50	0	21.76	21.01	0.126				

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	21.63	20.88	0.122	
				1	25	21.72	20.97	0.125	
				1	49	21.55	20.80	0.120	
				25	0	21.57	20.82	0.121	
				25	12	21.62	20.87	0.122	
				25	25	21.57	20.82	0.121	
	1732.5	20175		50	0	21.52	20.77	0.119	
				1	0	21.60	20.85	0.122	
				1	25	21.49	20.74	0.119	
				1	49	21.58	20.83	0.121	
				25	0	21.54	20.79	0.120	
				25	12	21.67	20.92	0.124	
	1750	20350		25	25	21.44	20.69	0.117	
				50	0	21.58	20.83	0.121	
				1	0	21.68	20.93	0.124	
				1	25	21.58	20.83	0.121	
				1	49	21.71	20.96	0.125	
				25	0	21.64	20.89	0.123	
					25	12	21.82	21.07	0.128
					25	25	21.78	21.03	0.127
					50	0	21.56	20.81	0.121

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	23.79	23.04	0.201
				1	37	23.87	23.12	0.205
				1	74	23.81	23.06	0.202
				36	0	22.35	21.60	0.145
				36	29	22.41	21.66	0.147
				36	30	22.42	21.67	0.147
				75	0	22.44	21.69	0.148
	1732.5	20175		1	0	23.91	23.16	0.207
				1	37	23.91	23.16	0.207
				1	74	23.89	23.14	0.206
				36	0	22.36	21.61	0.145
				36	29	22.38	21.63	0.146
				36	30	22.37	21.62	0.145
				75	0	22.43	21.68	0.147
	1747.5	20325		1	0	24.08	23.33	0.215
				1	37	24.32	23.57	0.228
				1	74	24.30	23.55	0.226
				36	0	22.54	21.79	0.151
				36	29	22.50	21.75	0.150
				36	30	22.51	21.76	0.150
				75	0	22.54	21.79	0.151
16QAM	1717.5	20025	1	0	23.45	22.70	0.186	
			1	37	23.27	22.52	0.179	
			1	74	23.27	22.52	0.179	
			36	0	21.43	20.68	0.117	
			36	29	21.47	20.72	0.118	
			36	30	21.65	20.90	0.123	
			75	0	21.63	20.88	0.122	
	1732.5	20175	1	0	23.15	22.40	0.174	
			1	37	23.06	22.31	0.170	
			1	74	23.09	22.34	0.171	
			36	0	21.52	20.77	0.119	
			36	29	21.52	20.77	0.119	
			36	30	21.60	20.85	0.122	
			75	0	21.57	20.82	0.121	
	1747.5	20325	1	0	23.37	22.62	0.183	
			1	37	23.47	22.72	0.187	
			1	74	23.62	22.87	0.194	
			36	0	21.59	20.84	0.121	
			36	29	21.70	20.95	0.124	
			36	30	21.71	20.96	0.125	
			75	0	21.71	20.96	0.125	

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	21.56	20.81	0.121
				1	37	21.63	20.88	0.122
				1	74	21.68	20.93	0.124
				36	0	21.64	20.89	0.123
				36	29	21.73	20.98	0.125
				36	30	21.62	20.87	0.122
				75	0	21.58	20.83	0.121
	1732.5	20175		1	0	21.57	20.82	0.121
				1	37	21.62	20.87	0.122
				1	74	21.56	20.81	0.121
				36	0	21.48	20.73	0.118
				36	29	21.62	20.87	0.122
				36	30	21.53	20.78	0.120
				75	0	21.50	20.75	0.119
	1747.5	20325		1	0	21.71	20.96	0.125
				1	37	21.68	20.93	0.124
				1	74	21.59	20.84	0.121
				36	0	21.64	20.89	0.123
				36	29	21.71	20.96	0.125
				36	30	21.68	20.93	0.124
				75	0	21.52	20.77	0.119

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	24.08	23.33	0.215
				1	49	23.89	23.14	0.206
				1	99	23.87	23.12	0.205
				50	0	22.37	21.62	0.145
				50	24	22.25	21.50	0.141
				50	50	22.25	21.50	0.141
	100	0		22.43	21.68	0.147		
	1	0		24.02	23.27	0.212		
	1	49		24.09	23.34	0.216		
	1	99		24.07	23.32	0.215		
	50	0		22.37	21.62	0.145		
	50	24		22.41	21.66	0.147		
	50	50		22.41	21.66	0.147		
	100	0		22.48	21.73	0.149		
	1	0		24.03	23.28	0.213		
	1	49		24.26	23.51	0.224		
	1	99		24.24	23.49	0.223		
	50	0		22.43	21.68	0.147		
50	24	22.56	21.81	0.152				
50	50	22.56	21.81	0.152				
100	0	22.43	21.68	0.147				
16QAM	1720	20050	20	1	0	22.98	22.23	0.167
				1	49	22.79	22.04	0.160
				1	99	22.78	22.03	0.160
				50	0	21.55	20.80	0.120
				50	24	21.43	20.68	0.117
				50	50	21.52	20.77	0.119
	100	0		21.45	20.70	0.117		
	1	0		23.44	22.69	0.186		
	1	49		23.38	22.63	0.183		
	1	99		23.37	22.62	0.183		
	50	0		21.43	20.68	0.117		
	50	24		21.56	20.81	0.121		
	50	50		21.56	20.81	0.121		
	100	0		21.43	20.68	0.117		
	1	0		23.78	23.03	0.201		
	1	49		24.03	23.28	0.213		
	1	99		24.03	23.28	0.213		
	50	0		21.44	20.69	0.117		
50	24	21.64	20.89	0.123				
50	50	21.71	20.96	0.125				
100	0	21.58	20.83	0.121				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1720	20050	20	1	0	21.46	20.71	0.118
				1	49	21.38	20.63	0.116
				1	99	21.53	20.78	0.120
				50	0	21.54	20.79	0.120
				50	24	21.59	20.84	0.121
				50	50	21.48	20.73	0.118
				100	0	21.62	20.87	0.122
	1732.5	20175		1	0	21.53	20.78	0.120
				1	49	21.67	20.92	0.124
				1	99	21.38	20.63	0.116
				50	0	21.45	20.70	0.117
				50	24	21.47	20.72	0.118
				50	50	21.60	20.85	0.122
				100	0	21.52	20.77	0.119
	1745	20300		1	0	21.57	20.82	0.121
				1	49	21.53	20.78	0.120
				1	99	21.49	20.74	0.119
				50	0	21.52	20.77	0.119
				50	24	21.41	20.66	0.116
				50	50	21.52	20.77	0.119
				100	0	21.59	20.84	0.121