

Fig.13

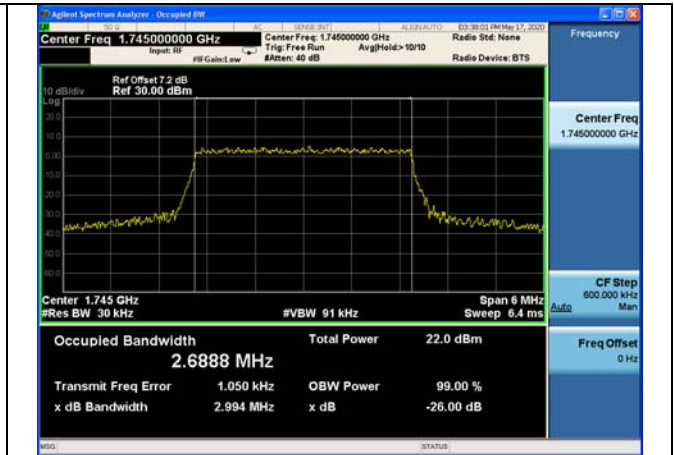


Fig.14

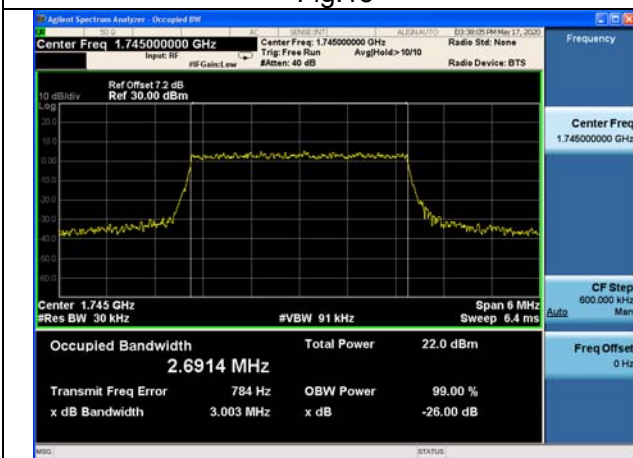


Fig.15

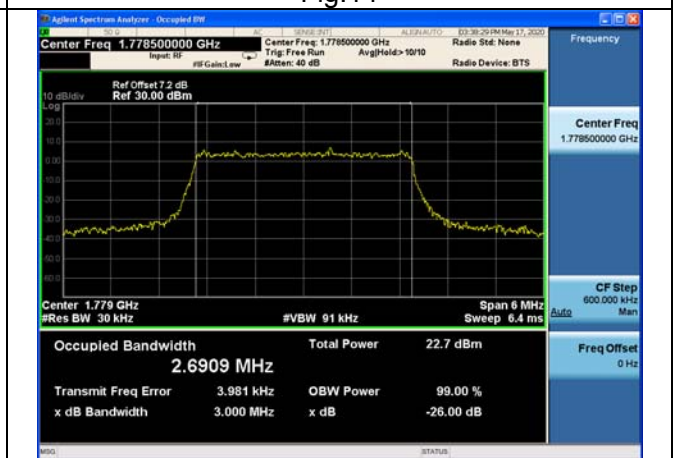


Fig.16

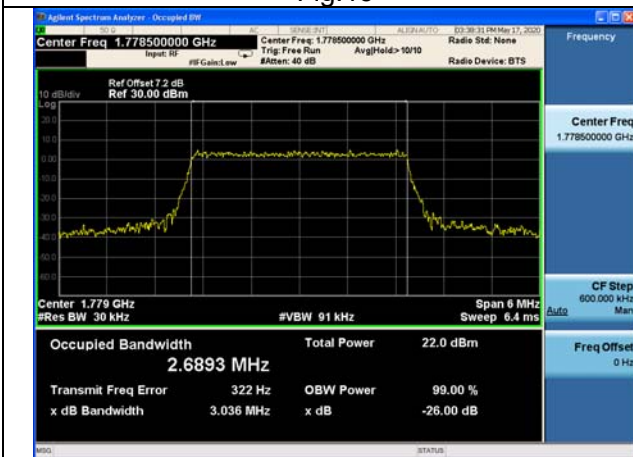


Fig.17

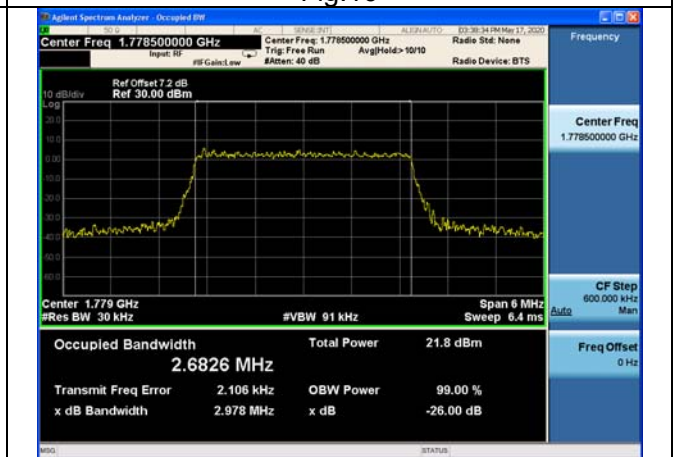


Fig.18



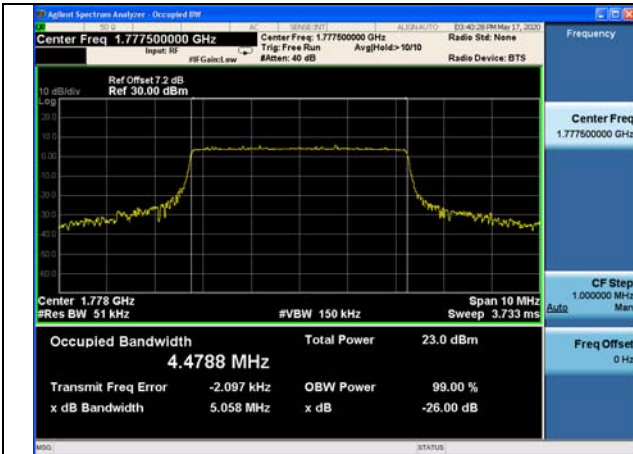


Fig.25

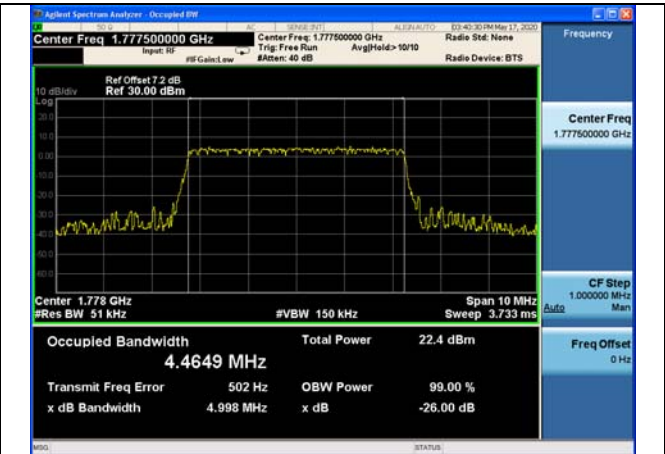


Fig.26

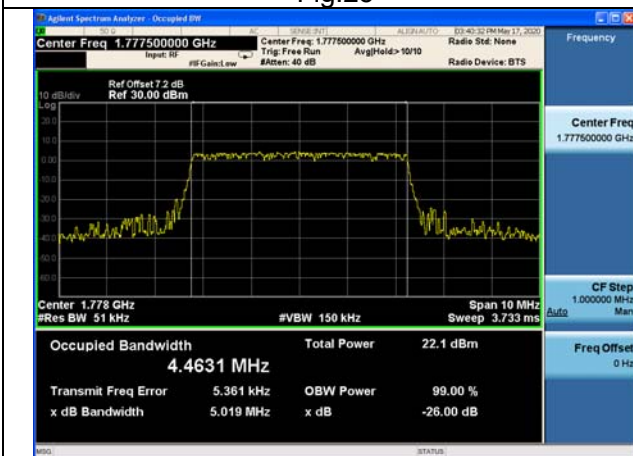


Fig.27

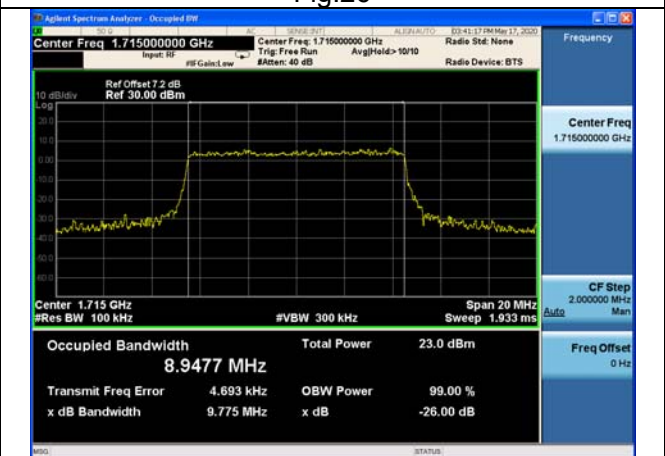


Fig.28

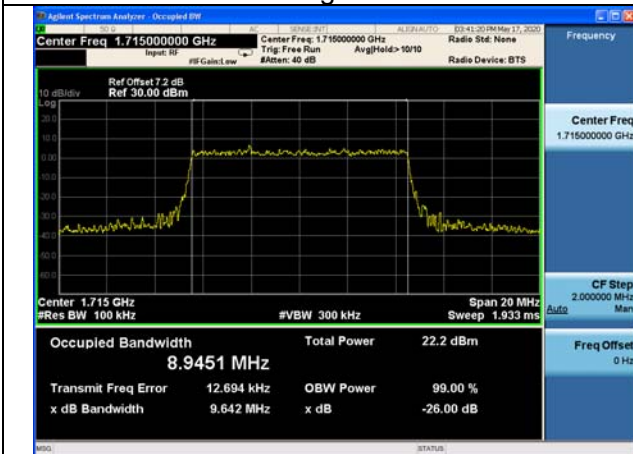


Fig.29

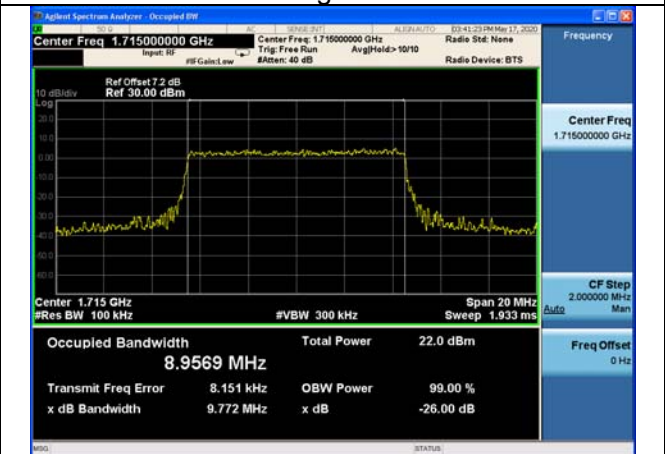


Fig.30

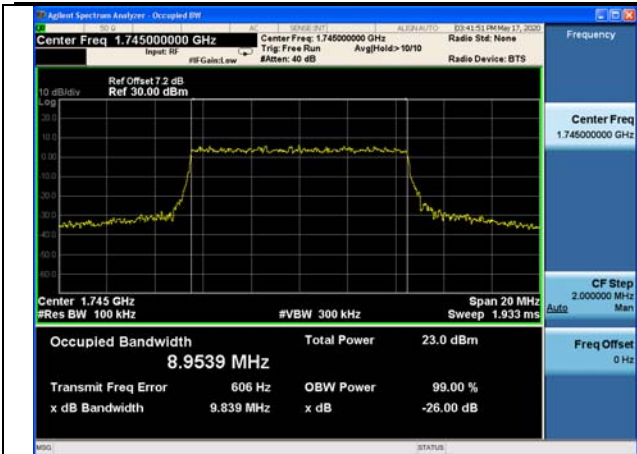


Fig.31

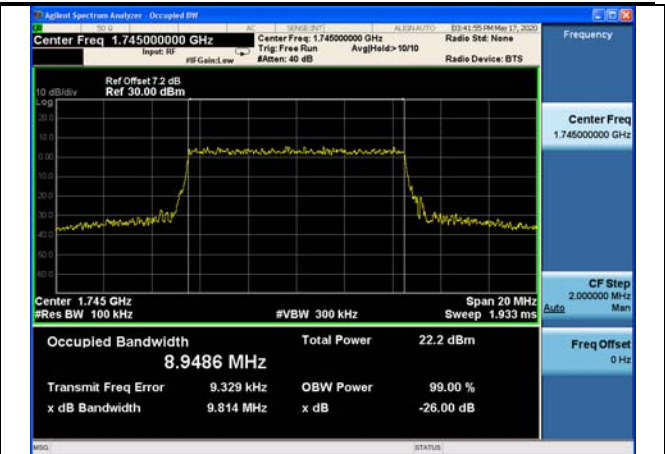


Fig.32

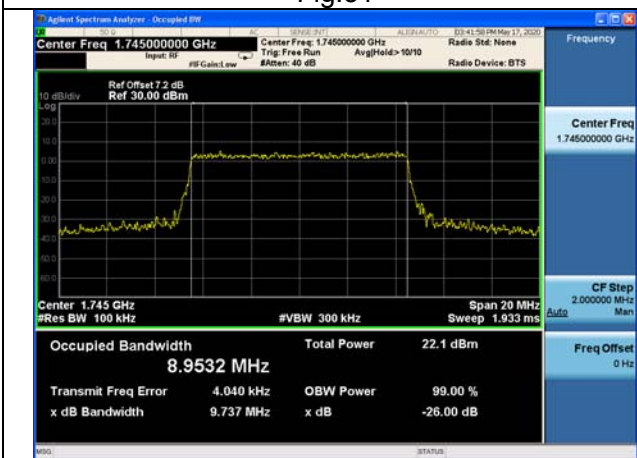


Fig.33

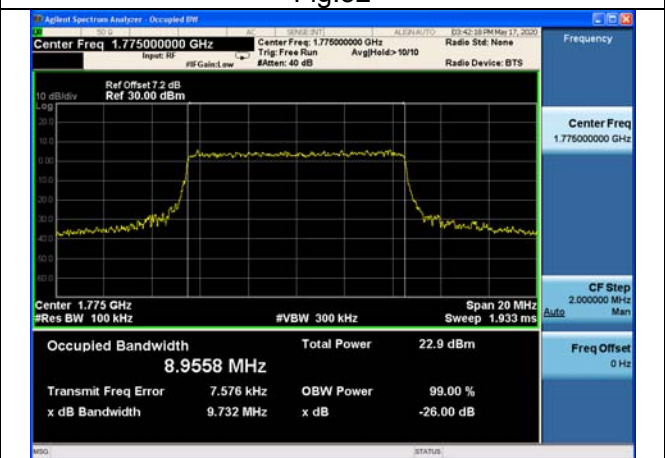


Fig.34

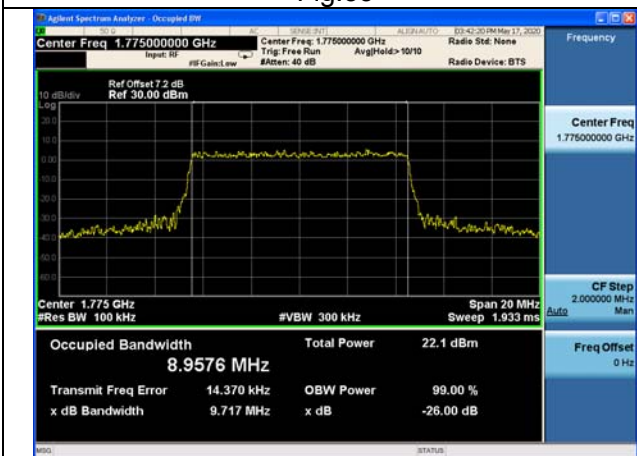


Fig.35

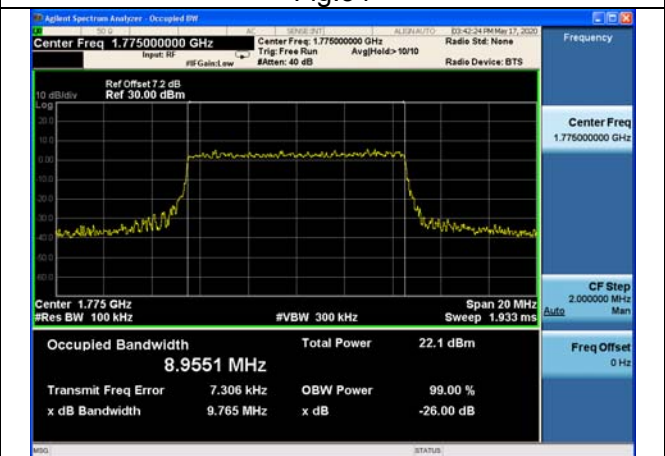


Fig.36

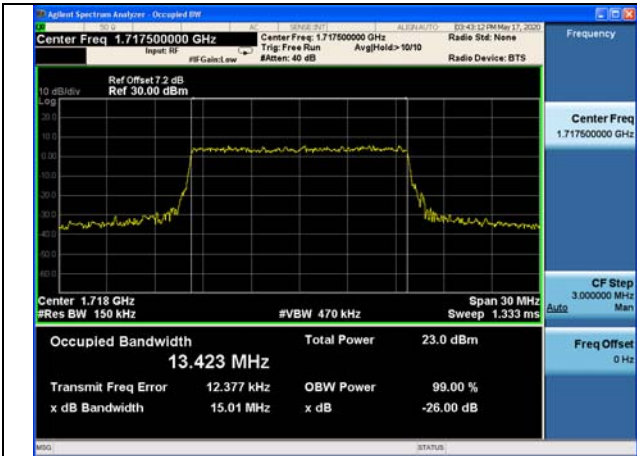


Fig.37



Fig.38

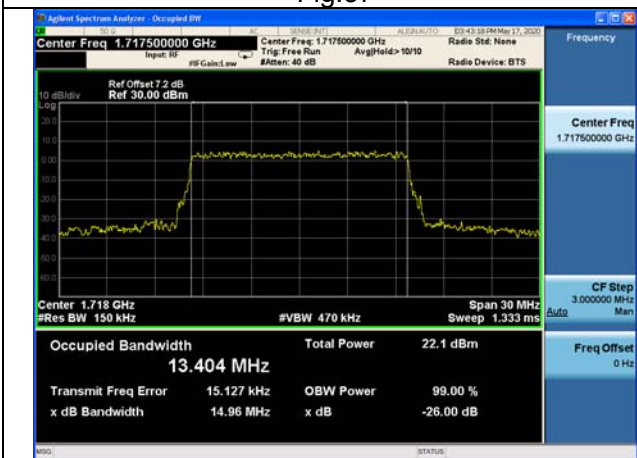


Fig.39

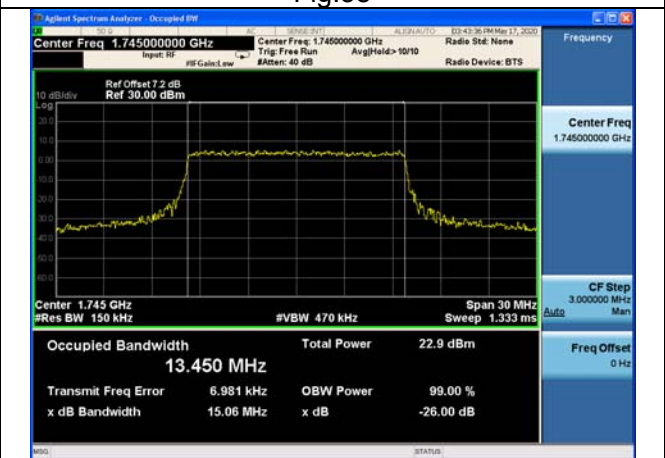


Fig.40

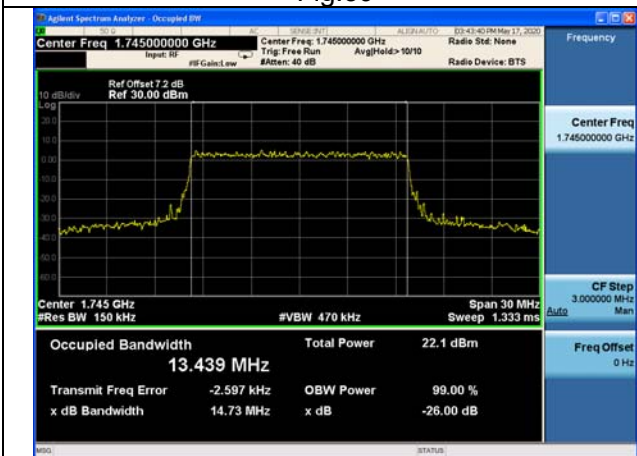


Fig.41

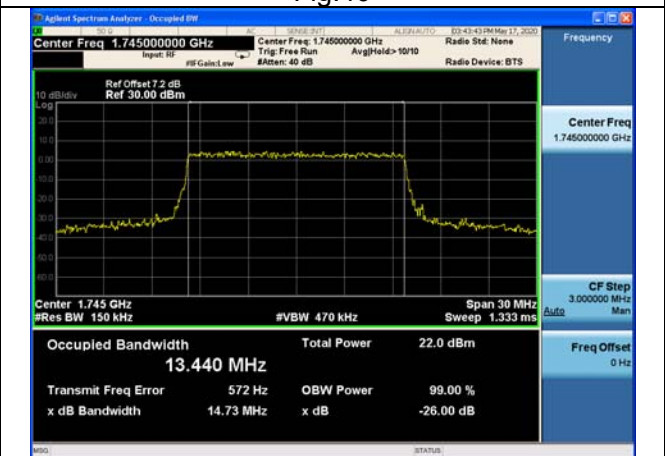


Fig.42

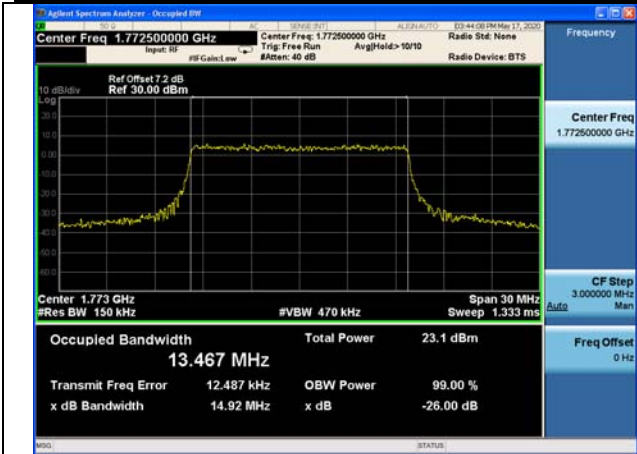


Fig.43

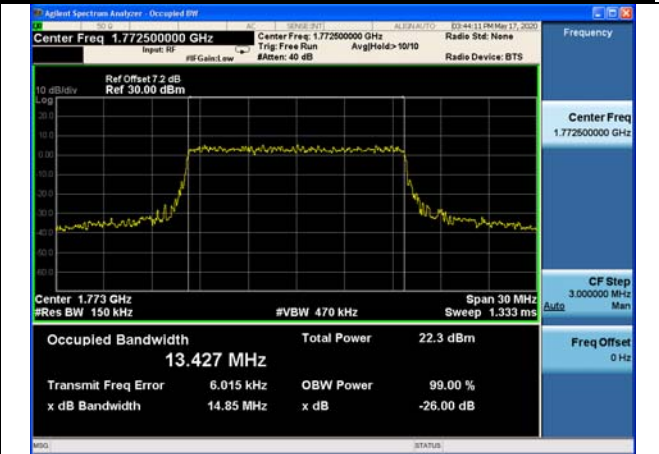


Fig.44

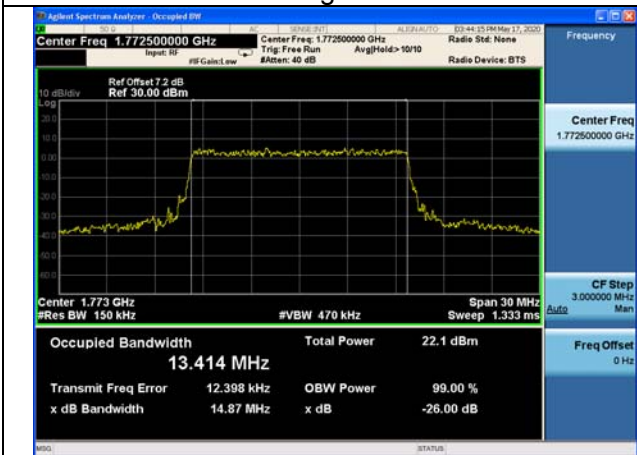


Fig.45

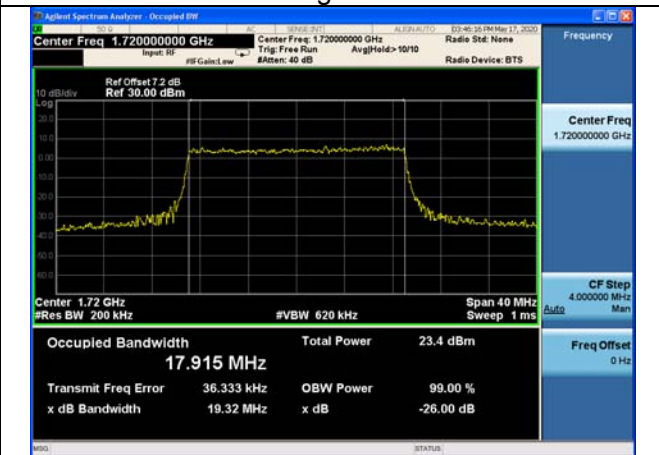


Fig.46

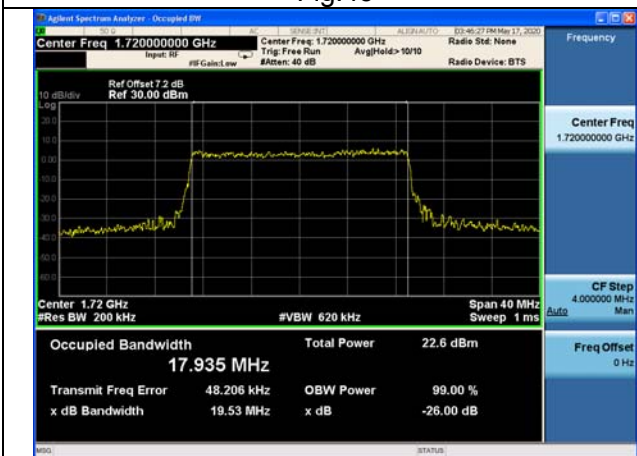


Fig.47

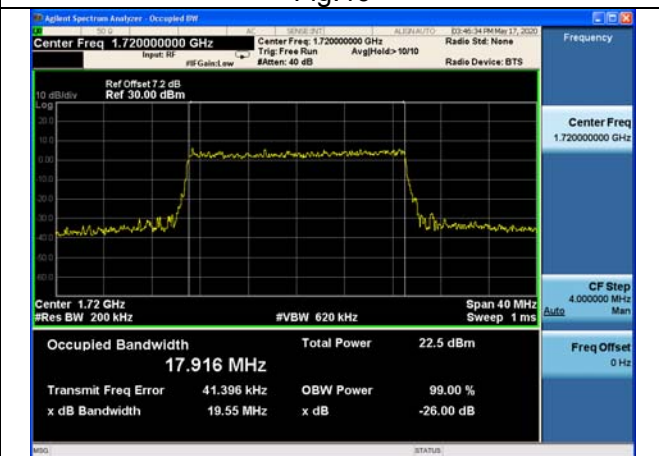


Fig.48

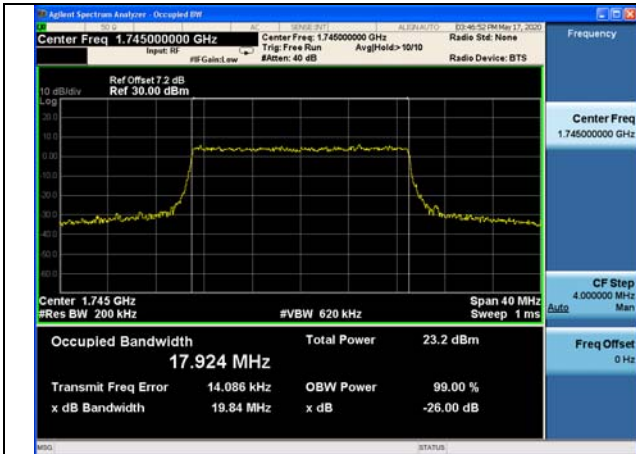


Fig.49

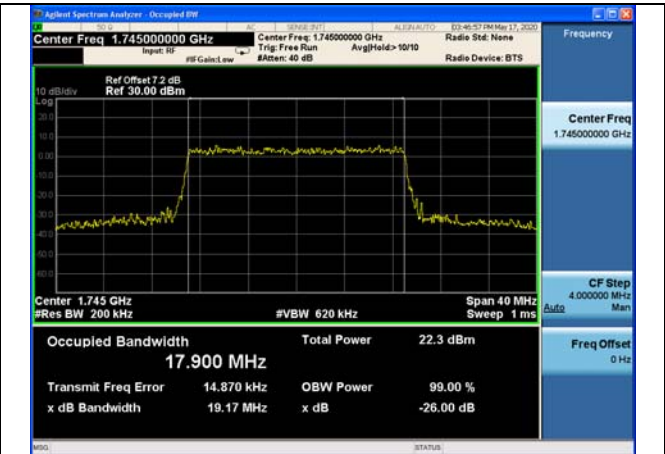


Fig.50

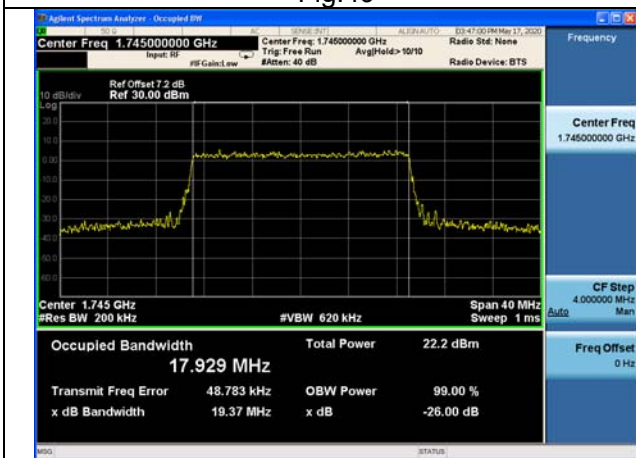


Fig.51

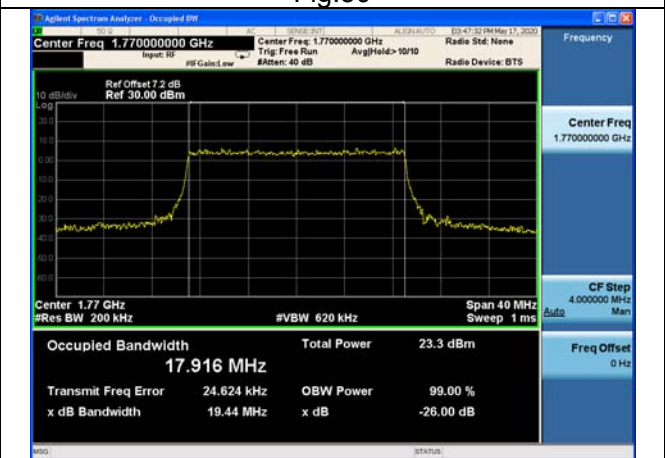


Fig.52

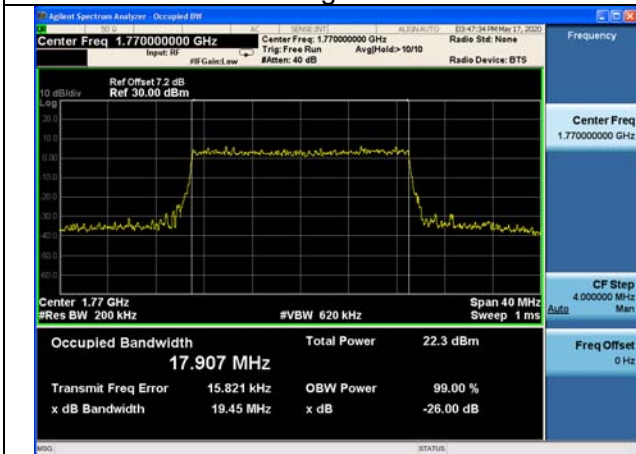


Fig.53

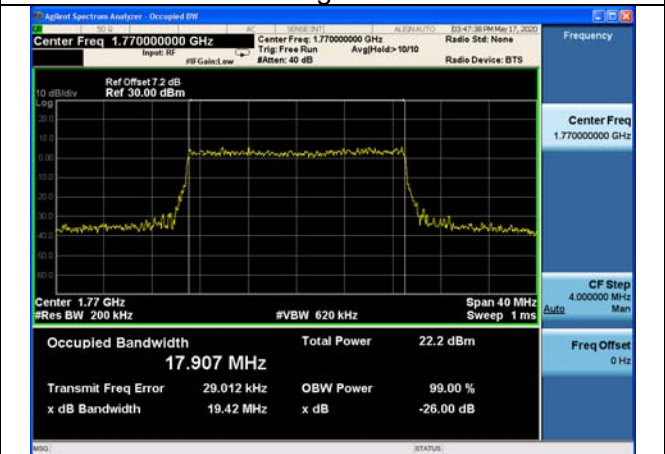


Fig.54

### 3 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
66	1745	132322	1.4	1	0	Fig.1	Fig.2	Fig.3
			3	1	0	Fig.4	Fig.5	Fig.6
			5	1	0	Fig.7	Fig.8	Fig.9
			10	1	0	Fig.10	Fig.11	Fig.12
			15	1	0	Fig.13	Fig.14	Fig.15
			20	1	0	Fig.16	Fig.17	Fig.18

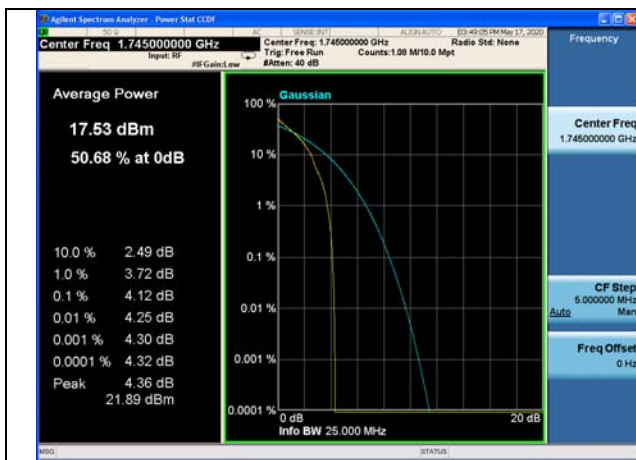


Fig.1

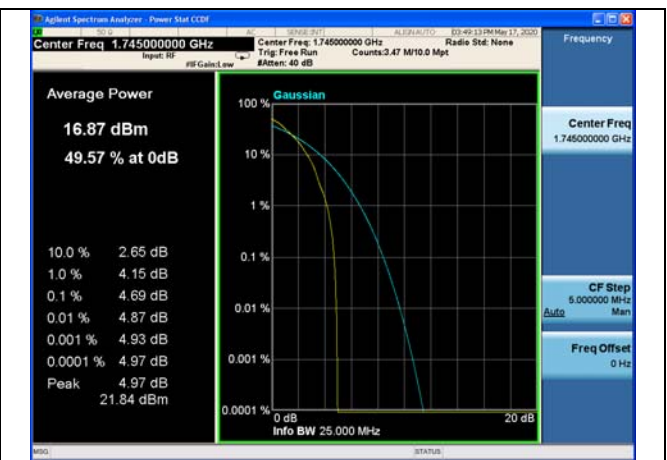


Fig.2

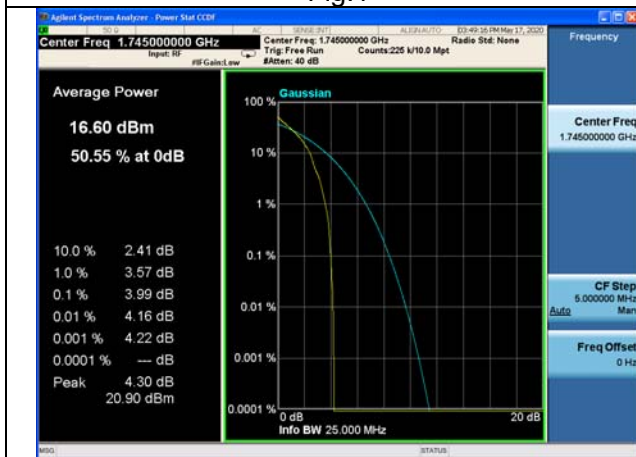


Fig.3

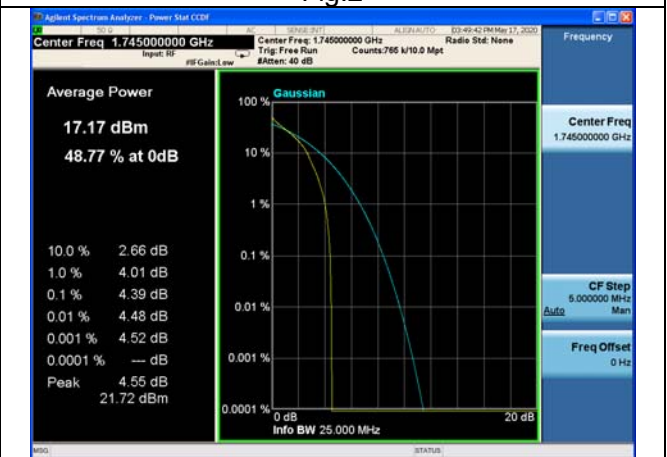
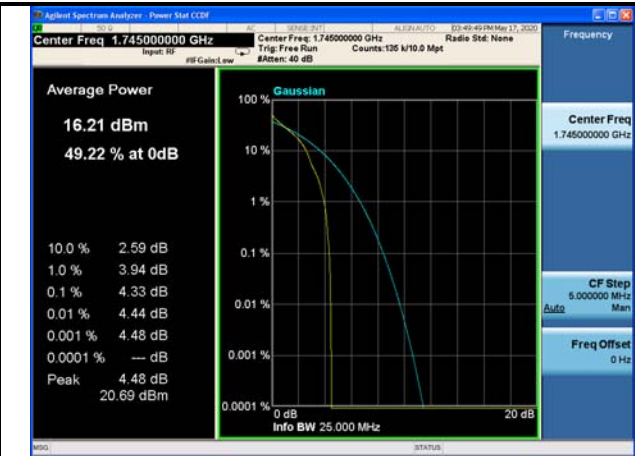


Fig.4





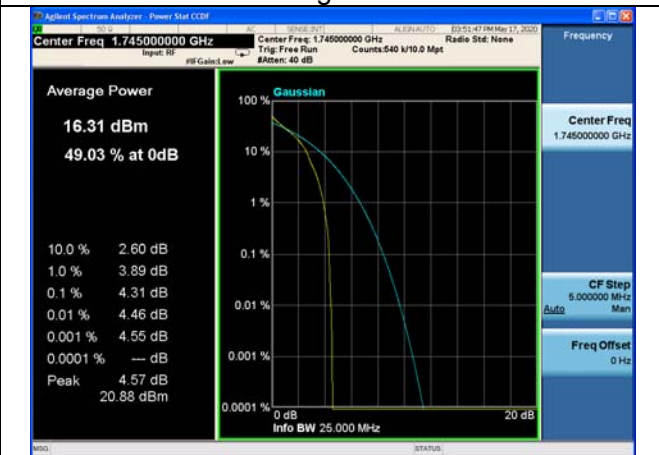
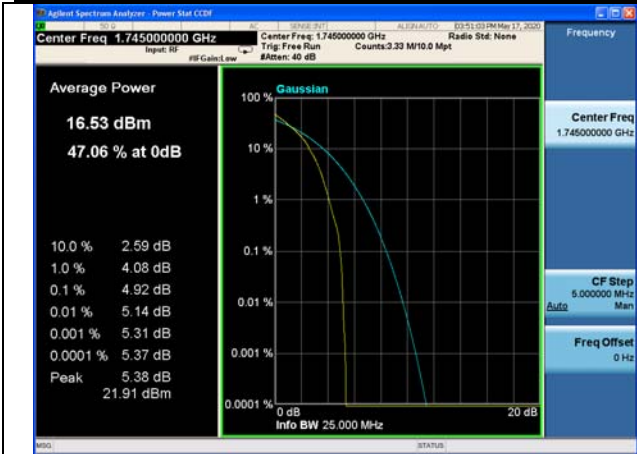




Fig.17



Fig.18

**4 Spurious Emissions at antenna terminal**

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
66	1720	132072	20	1	0	Fig.1
	1745	132322	20	1	0	Fig.2
	1770	132572	20	1	0	Fig.3

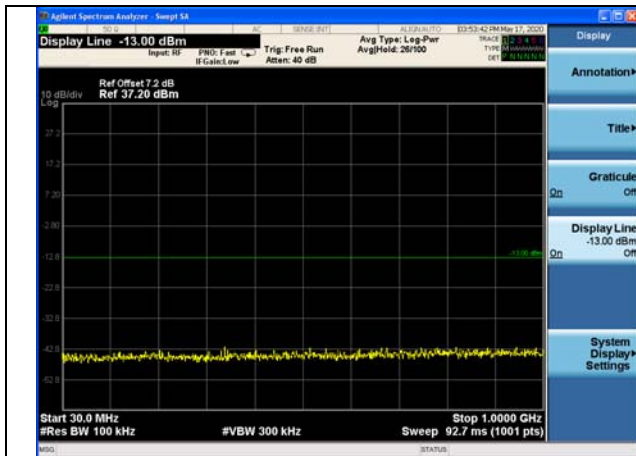


Fig.1

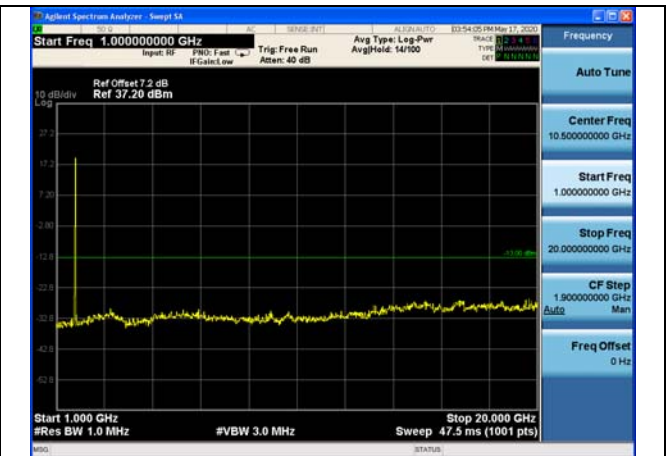


Fig.2

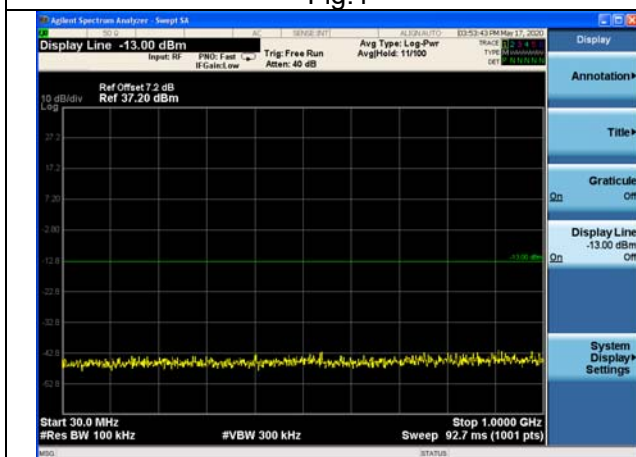


Fig.3



Fig.4

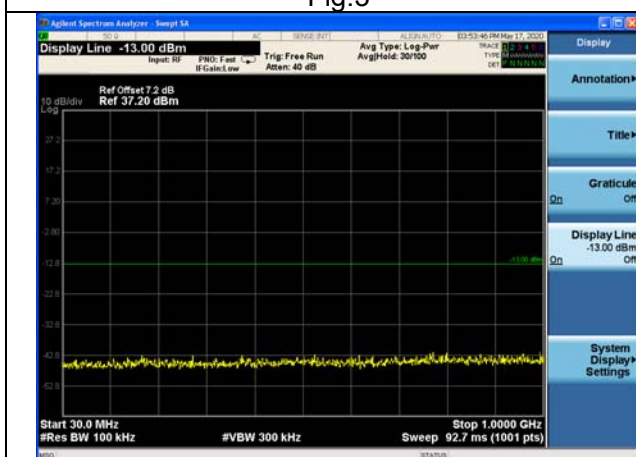


Fig.5



Fig.6

**5 Band Edges Compliance**

Test result

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
	1778.5	132657		1	14	Fig.7
				15	0	Fig.8
	1712.5	131997	5	1	0	Fig.9
				25	0	Fig.10
	1777.5	132647		1	24	Fig.11
				25	0	Fig.12
	1715	132022	10	1	0	Fig.13
				50	0	Fig.14
	1775	132622		1	49	Fig.15
				50	0	Fig.16
	1717.5	132047	15	1	0	Fig.17
				75	0	Fig.18
	1772.5	132597		1	74	Fig.19
				75	0	Fig.20
	1772.5	132597	20	1	0	Fig.21
				100	0	Fig.22
	1770	132572		1	99	Fig.23
100				0	Fig.24	

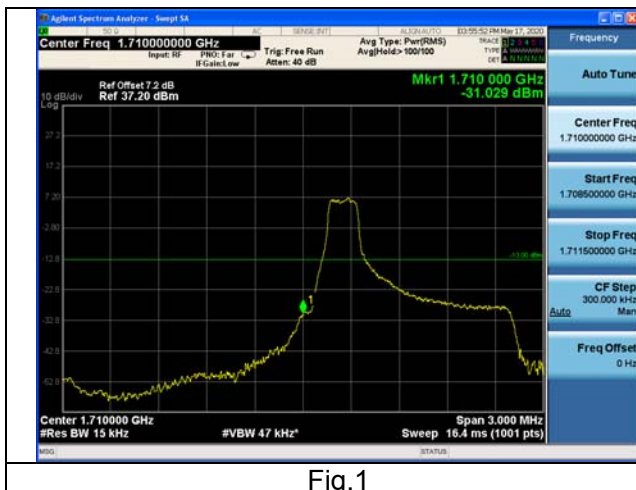


Fig.1



Fig.2



Fig.3



Fig.4

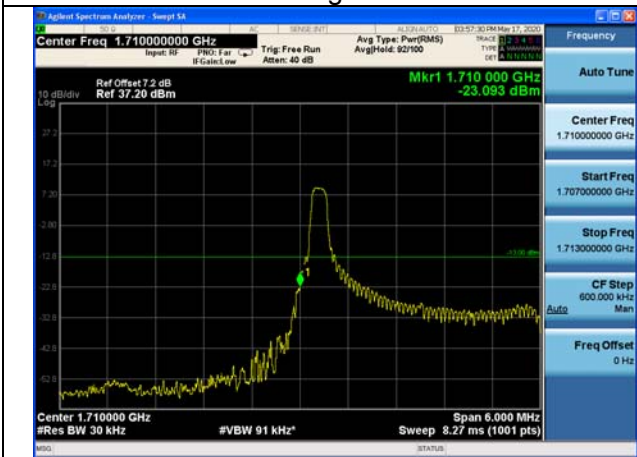


Fig.5



Fig.6



Fig.7



Fig.8

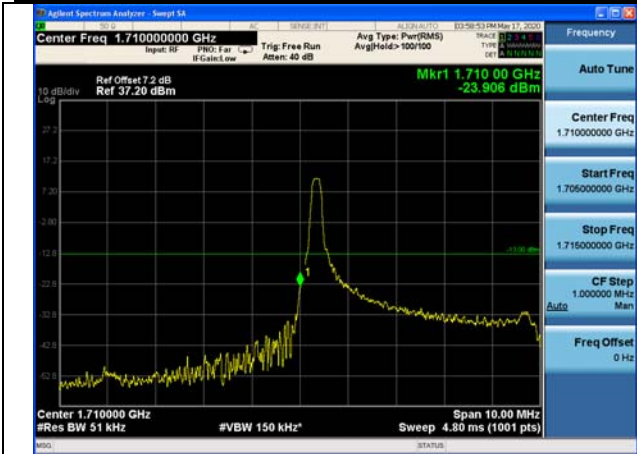


Fig.9

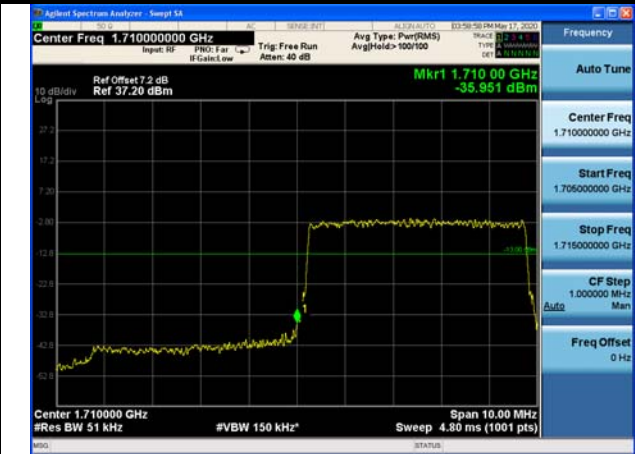


Fig.10

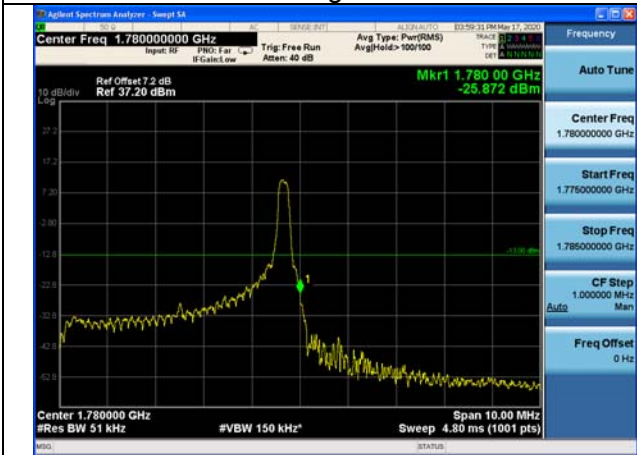


Fig.11



Fig.12

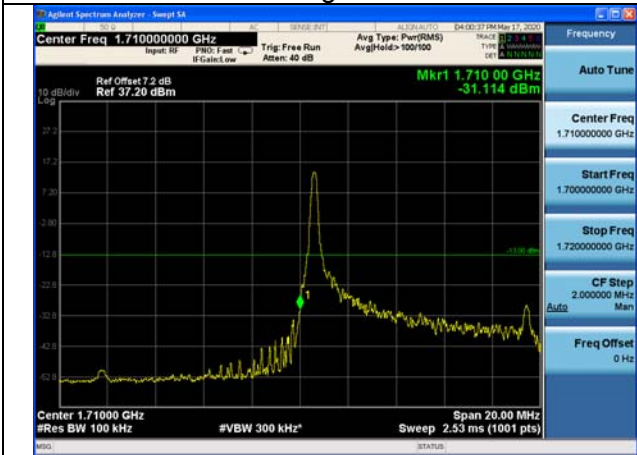


Fig.13



Fig.14

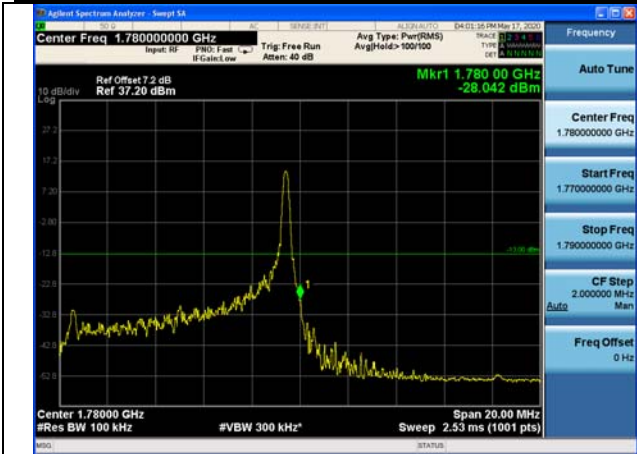


Fig.15



Fig.16

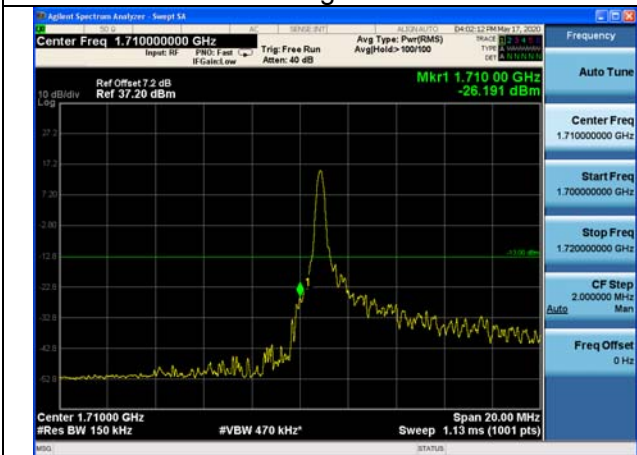


Fig.17

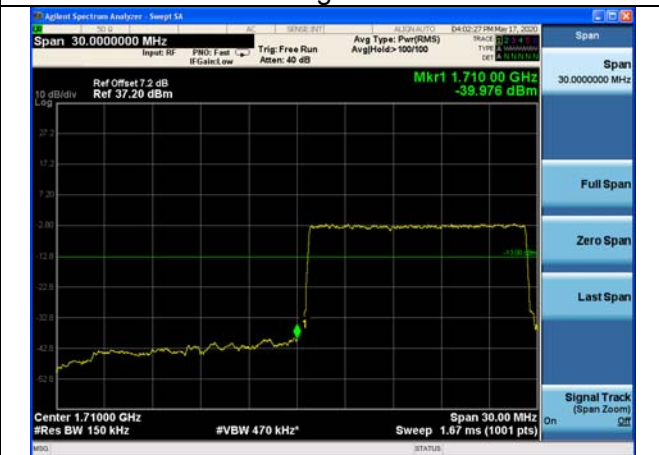


Fig.18

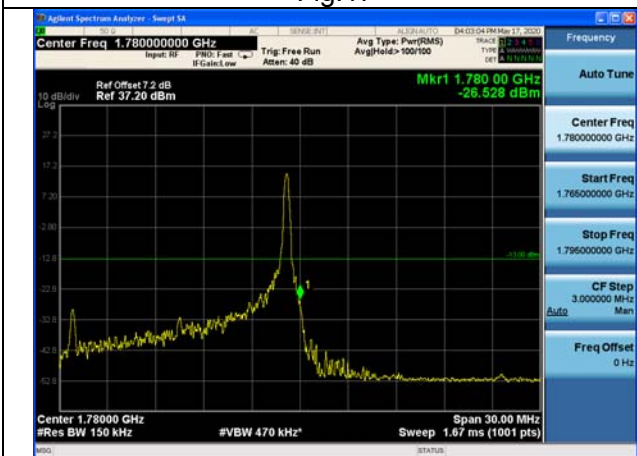


Fig.19



Fig.20



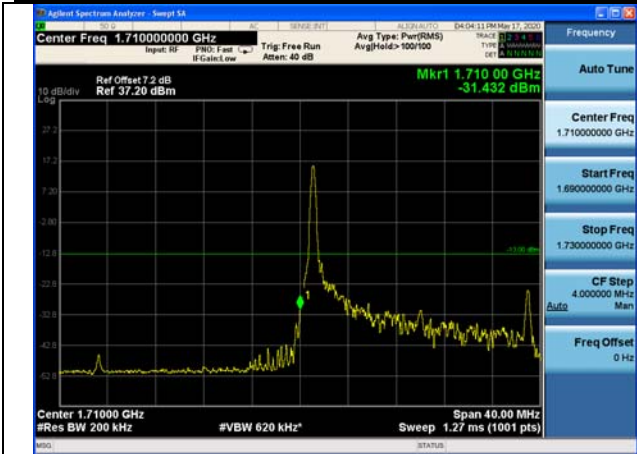


Fig.21



Fig.22

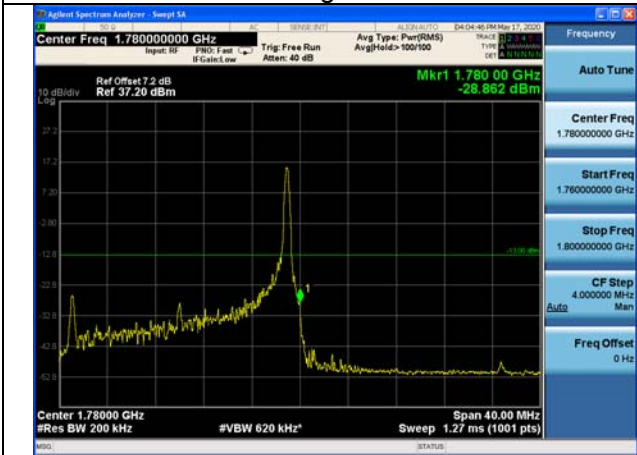


Fig.23



Fig.24

## 6 Frequency Stability

Test result:

Temperature(°C)	Voltage	Test Result (ppm) Band66 Low Channel					
		1.4M	3M	5M	10M	15M	20M
0	NV	0.062	0.037	-0.038	-0.011	-0.048	0.031
+10	NV	0.049	-0.003	-0.011	-0.045	0.026	0.036
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	-0.031	0.065	0.076	0.052	-0.049	0.063
+40	NV	-0.038	-0.047	-0.021	0.007	0.035	0.056
+50	NV	0.032	0.000	0.075	-0.018	-0.028	0.030
+55	NV	0.043	-0.046	-0.031	-0.049	-0.022	0.017
+20	LV	-0.021	0.049	0.048	0.002	0.014	0.078
+20	HV	-0.036	0.078	0.034	0.057	0.054	0.055

Temperature(°C)	Voltage	Test Result (ppm) Band66 High Channel					
		1.4M	3M	5M	10M	15M	20M
0	NV	0.051	0.041	-0.042	0.068	0.065	0.050
+10	NV	0.056	0.026	0.048	0.064	0.053	0.029
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	0.005	-0.028	0.020	0.013	-0.025	-0.015
+40	NV	0.020	0.002	0.040	0.062	-0.001	-0.042
+50	NV	-0.001	0.078	0.052	0.020	0.054	0.061
+55	NV	-0.047	-0.045	0.060	0.033	0.074	-0.046
+20	LV	0.066	-0.012	0.038	-0.022	0.058	0.051
+20	HV	-0.026	-0.046	-0.033	0.070	0.004	-0.034

## APPENDIX B – TEST DATA OF RADIATED EMISSION

The measurement results are obtained as described below:

Peak EIRP = P<sub>mea</sub> + P<sub>ca</sub> Cable loss+ G<sub>a</sub> Antenna Gain

Sample calculation: (24.57 dBm) = (19.77 dBm) + (-3.8 dB) + (8.6 dB), the corresponding frequency is 1851.5MHz.

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss(dB)	Ga Antenna Gain (dB)	P <sub>mea</sub> (dBm)	Polarization
1851.5	24.57	-3.8	8.6	19.77	Vertical

LTE band 2

Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band2	QPSK	1.4	18607	1#0	16.52	0.045
Band2	QPSK	1.4	18900	1#0	16.25	0.042
Band2	QPSK	1.4	19193	1#0	16.05	0.040
Band2	16QAM	1.4	18607	1#0	16.75	0.047
Band2	16QAM	1.4	18900	1#0	15.93	0.039
Band2	16QAM	1.4	19193	1#0	16.18	0.041
Band2	64QAM	1.4	18607	1#0	16.17	0.041
Band2	64QAM	1.4	18900	1#0	15.58	0.036
Band2	64QAM	1.4	19193	1#0	16.24	0.042
Band2	QPSK	3	18615	1#0	15.61	0.036
Band2	QPSK	3	18900	1#0	16.40	0.044
Band2	QPSK	3	19185	1#0	16.92	0.049
Band2	16QAM	3	18615	1#0	16.06	0.040
Band2	16QAM	3	18900	1#0	15.03	0.032
Band2	16QAM	3	19185	1#0	15.80	0.038
Band2	64QAM	3	18615	1#0	15.84	0.038
Band2	64QAM	3	18900	1#0	15.48	0.035
Band2	64QAM	3	19185	1#0	15.31	0.034
Band2	QPSK	5	18625	1#0	15.35	0.034
Band2	QPSK	5	18900	1#0	16.07	0.040
Band2	QPSK	5	19175	1#0	16.97	0.050
Band2	16QAM	5	18625	1#0	15.91	0.039
Band2	16QAM	5	18900	1#0	16.06	0.040
Band2	16QAM	5	19175	1#0	15.95	0.039
Band2	64QAM	5	18625	1#0	16.03	0.040
Band2	64QAM	5	18900	1#0	16.01	0.040
Band2	64QAM	5	19175	1#0	15.92	0.039
Band2	QPSK	10	18650	1#0	16.05	0.040
Band2	QPSK	10	18900	1#0	16.51	0.045
Band2	QPSK	10	19150	1#0	16.21	0.042

Band2	16QAM	10	18650	1#0	15.64	0.037
Band2	16QAM	10	18900	1#0	15.61	0.036
Band2	16QAM	10	19150	1#0	16.26	0.042
Band2	64QAM	10	18650	1#0	15.64	0.037
Band2	64QAM	10	18900	1#0	15.83	0.038
Band2	64QAM	10	19150	1#0	16.11	0.041
Band2	QPSK	15	18675	1#0	15.46	0.035
Band2	QPSK	15	18900	1#0	16.29	0.043
Band2	QPSK	15	19125	1#0	16.38	0.043
Band2	16QAM	15	18675	1#0	15.76	0.038
Band2	16QAM	15	18900	1#0	15.10	0.032
Band2	16QAM	15	19125	1#0	15.93	0.039
Band2	64QAM	15	18675	1#0	15.64	0.037
Band2	64QAM	15	18900	1#0	15.39	0.035
Band2	64QAM	15	19125	1#0	15.59	0.036
Band2	QPSK	20	18700	1#0	17.01	0.050
Band2	QPSK	20	18900	1#0	15.96	0.039
Band2	QPSK	20	19100	1#0	16.59	0.046
Band2	16QAM	20	18700	1#0	16.05	0.040
Band2	16QAM	20	18900	1#0	15.81	0.038
Band2	16QAM	20	19100	1#0	16.24	0.042
Band2	64QAM	20	18700	1#0	15.53	0.036
Band2	64QAM	20	18900	1#0	14.72	0.030
Band2	64QAM	20	19100	1#0	16.32	0.043

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1851.5	15.44	-3.8	8.6	10.64	Vertical
1880.0	15.51	-3.8	8.6	10.71	Vertical
1907.5	15.95	-3.8	8.6	11.15	Vertical

Test result:

Channel 18615

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2455.65	-53.09	-13	Vertical
2781.19	-52.23	-13	Vertical
3729.99	-43.92	-13	Vertical
6676.27	-42.98	-13	Vertical
9962.08	-40.02	-13	Vertical
17823.72	-35.88	-13	Vertical

Channel 18900

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2453.71	-52.23	-13	Vertical
2781.62	-51.88	-13	Vertical
3730.56	-44.15	-13	Vertical
6677.80	-43.65	-13	Vertical
9961.43	-39.50	-13	Vertical
17823.12	-35.36	-13	Vertical

Channel 19175

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2456.77	-52.74	-13	Vertical
2780.25	-51.84	-13	Vertical
3729.91	-43.60	-13	Vertical
6678.69	-43.71	-13	Vertical
9961.32	-40.33	-13	Vertical
17823.68	-35.78	-13	Vertical

LTE band 4

Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band4	QPSK	1.4	19957	1#0	16.52	0.045
Band4	QPSK	1.4	20175	1#0	16.38	0.043
Band4	QPSK	1.4	20393	1#0	14.78	0.030
Band4	16QAM	1.4	19957	1#0	15.50	0.035
Band4	16QAM	1.4	20175	1#0	15.33	0.034
Band4	16QAM	1.4	20393	1#0	15.58	0.036
Band4	64QAM	1.4	19957	1#0	16.17	0.041
Band4	64QAM	1.4	20175	1#0	16.02	0.040
Band4	64QAM	1.4	20393	1#0	16.13	0.041
Band4	QPSK	3	19965	1#0	15.36	0.034
Band4	QPSK	3	20175	1#0	15.10	0.032
Band4	QPSK	3	20385	1#0	15.33	0.034
Band4	16QAM	3	19965	1#0	15.13	0.033
Band4	16QAM	3	20175	1#0	16.43	0.044
Band4	16QAM	3	20385	1#0	14.85	0.031
Band4	64QAM	3	19965	1#0	14.78	0.030
Band4	64QAM	3	20175	1#0	15.52	0.036
Band4	64QAM	3	20385	1#0	15.97	0.040
Band4	QPSK	5	19975	1#0	16.39	0.044
Band4	QPSK	5	20175	1#0	15.07	0.032
Band4	QPSK	5	20375	1#0	14.40	0.028
Band4	16QAM	5	19975	1#0	16.13	0.041
Band4	16QAM	5	20175	1#0	14.91	0.031
Band4	16QAM	5	20375	1#0	15.65	0.037
Band4	64QAM	5	19975	1#0	15.08	0.032
Band4	64QAM	5	20175	1#0	15.24	0.033
Band4	64QAM	5	20375	1#0	14.34	0.027
Band4	QPSK	10	20000	1#0	16.26	0.042
Band4	QPSK	10	20175	1#0	15.38	0.035
Band4	QPSK	10	20350	1#0	15.32	0.034
Band4	16QAM	10	20000	1#0	14.23	0.026
Band4	16QAM	10	20175	1#0	15.80	0.038
Band4	16QAM	10	20350	1#0	15.39	0.035
Band4	64QAM	10	20000	1#0	15.21	0.033
Band4	64QAM	10	20175	1#0	14.99	0.032
Band4	64QAM	10	20350	1#0	15.59	0.036
Band4	QPSK	15	20025	1#0	15.90	0.039
Band4	QPSK	15	20175	1#0	15.96	0.039
Band4	QPSK	15	20325	1#0	15.40	0.035
Band4	16QAM	15	20025	1#0	16.11	0.041
Band4	16QAM	15	20175	1#0	14.95	0.031
Band4	16QAM	15	20325	1#0	14.83	0.030
Band4	64QAM	15	20025	1#0	16.25	0.042

Band4	64QAM	15	20175	1#0	15.80	0.038
Band4	64QAM	15	20325	1#0	15.80	0.038
Band4	QPSK	20	20050	1#0	16.25	0.042
Band4	QPSK	20	20175	1#0	15.13	0.033
Band4	QPSK	20	20300	1#0	14.92	0.031
Band4	16QAM	20	20050	1#0	15.09	0.032
Band4	16QAM	20	20175	1#0	15.78	0.038
Band4	16QAM	20	20300	1#0	15.12	0.032
Band4	64QAM	20	20050	1#0	15.35	0.034
Band4	64QAM	20	20175	1#0	15.93	0.039
Band4	64QAM	20	20300	1#0	15.28	0.034

Test result:

Channel 19957

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.35	-48.77	-13	Vertical
2781.58	-47.52	-13	Vertical
3725.60	-40.85	-13	Vertical
6677.86	-39.14	-13	Vertical
9963.22	-37.33	-13	Horizontal
17821.65	-33.92	-13	Vertical

Channel 20175

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.22	-48.57	-13	Vertical
2779.30	-47.68	-13	Vertical
3725.97	-40.38	-13	Vertical
6675.63	-39.57	-13	Vertical
9959.52	-36.81	-13	Vertical
17821.66	-34.12	-13	Vertical

Channel 20393

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.26	-49.23	-13	Vertical
2778.36	-46.88	-13	Vertical
3726.19	-40.41	-13	Vertical
6676.98	-39.74	-13	Vertical
9959.87	-37.44	-13	Vertical
17822.26	-33.74	-13	Vertical

LTE band 5  
Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band5	QPSK	1.4	20407	1#0	22.40	0.174
Band5	QPSK	1.4	20525	1#0	21.80	0.151
Band5	QPSK	1.4	20643	1#0	22.82	0.191
Band5	16QAM	1.4	20407	1#0	22.48	0.177
Band5	16QAM	1.4	20525	1#0	22.99	0.199
Band5	16QAM	1.4	20643	1#0	22.11	0.163
Band5	64QAM	1.4	20407	1#0	22.14	0.164
Band5	64QAM	1.4	20525	1#0	22.75	0.188
Band5	64QAM	1.4	20643	1#0	22.60	0.182
Band5	QPSK	3	20415	1#0	23.42	0.220
Band5	QPSK	3	20525	1#0	22.99	0.199
Band5	QPSK	3	20635	1#0	23.01	0.200
Band5	16QAM	3	20415	1#0	22.20	0.166
Band5	16QAM	3	20525	1#0	23.16	0.207
Band5	16QAM	3	20635	1#0	22.37	0.173
Band5	64QAM	3	20415	1#0	22.89	0.195
Band5	64QAM	3	20525	1#0	22.62	0.183
Band5	64QAM	3	20635	1#0	21.81	0.152
Band5	QPSK	5	20425	1#0	23.63	0.231
Band5	QPSK	5	20525	1#0	22.97	0.198
Band5	QPSK	5	20625	1#0	22.57	0.181
Band5	16QAM	5	20425	1#0	22.05	0.160
Band5	16QAM	5	20525	1#0	22.18	0.165
Band5	16QAM	5	20625	1#0	22.38	0.173
Band5	64QAM	5	20425	1#0	22.85	0.193
Band5	64QAM	5	20525	1#0	23.00	0.200
Band5	64QAM	5	20625	1#0	22.11	0.163
Band5	QPSK	10	20450	1#0	23.66	0.232
Band5	QPSK	10	20525	1#0	22.58	0.181
Band5	QPSK	10	20600	1#0	22.54	0.179
Band5	16QAM	10	20450	1#0	23.06	0.202
Band5	16QAM	10	20525	1#0	22.35	0.172
Band5	16QAM	10	20600	1#0	22.21	0.166
Band5	64QAM	10	20450	1#0	22.89	0.195
Band5	64QAM	10	20525	1#0	22.60	0.182
Band5	64QAM	10	20600	1#0	22.71	0.187



Frequency (MHz)	Peak ERP (dBm)	PcaCable loss(dB)	Ga Antenna Gain (dB)	Correction (dB)	Pmea (dBm)	Polarization
824.0	22.12	-3.4	8.3	2.15	19.37	Vertical
836.5	21.69	-3.4	8.3	2.15	18.94	Vertical
848.9	21.62	-3.4	8.3	2.15	18.87	Vertical

Test result:

Channel 20400

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.22	-52.15	-13	Vertical
1667.00	-51.83	-13	Vertical
2534.99	-43.92	-13	Horizontal
2575.74	-43.06	-13	Vertical
8961.99	-39.83	-13	Horizontal
9969.24	-35.23	-13	Vertical

Channel 20525

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.83	-52.21	-13	Horizontal
1668.10	-52.00	-13	Vertical
2532.17	-43.53	-13	Vertical
2574.64	-43.37	-13	Vertical
8964.83	-39.62	-13	Vertical
9971.03	-35.70	-13	Vertical

Channel 20649

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.13	-52.01	-13	Vertical
1664.46	-51.08	-13	Horizontal
2533.84	-43.29	-13	Horizontal
2576.09	-43.51	-13	Vertical
8965.87	-39.99	-13	Vertical
9969.19	-36.05	-13	Vertical

LTE band 7  
Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band7	QPSK	5	20775	1#0	23.87	0.244
Band7	QPSK	5	21100	1#0	22.66	0.185
Band7	QPSK	5	21425	1#0	23.68	0.233
Band7	16QAM	5	20775	1#0	22.65	0.184
Band7	16QAM	5	21100	1#0	22.28	0.169
Band7	16QAM	5	21425	1#0	23.48	0.223
Band7	64QAM	5	20775	1#0	23.55	0.226
Band7	64QAM	5	21100	1#0	23.00	0.200
Band7	64QAM	5	21425	1#0	23.60	0.229
Band7	QPSK	10	20800	1#0	23.17	0.207
Band7	QPSK	10	21100	1#0	23.30	0.214
Band7	QPSK	10	21400	1#0	23.20	0.209
Band7	16QAM	10	20800	1#0	23.53	0.225
Band7	16QAM	10	21100	1#0	22.62	0.183
Band7	16QAM	10	21400	1#0	23.20	0.209
Band7	64QAM	10	20800	1#0	23.31	0.214
Band7	64QAM	10	21100	1#0	22.64	0.184
Band7	64QAM	10	21400	1#0	22.67	0.185
Band7	QPSK	15	20825	1#0	22.62	0.183
Band7	QPSK	15	21100	1#0	23.84	0.242
Band7	QPSK	15	21375	1#0	23.14	0.206
Band7	16QAM	15	20825	1#0	23.55	0.226
Band7	16QAM	15	21100	1#0	22.98	0.199
Band7	16QAM	15	21375	1#0	22.33	0.171
Band7	64QAM	15	20825	1#0	22.89	0.195
Band7	64QAM	15	21100	1#0	23.28	0.213
Band7	64QAM	15	21375	1#0	22.69	0.186
Band7	QPSK	20	20850	1#0	23.95	0.248
Band7	QPSK	20	21100	1#0	23.42	0.220
Band7	QPSK	20	21350	1#0	23.04	0.201
Band7	16QAM	20	20850	1#0	23.05	0.202
Band7	16QAM	20	21100	1#0	22.74	0.188
Band7	16QAM	20	21350	1#0	23.80	0.240
Band7	64QAM	20	20850	1#0	23.53	0.225
Band7	64QAM	20	21100	1#0	23.08	0.203
Band7	64QAM	20	21350	1#0	22.97	0.198

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
2502.5	23.68	-2.6	7.5	18.78	Vertical
2535	23.47	-2.6	7.5	18.57	Vertical
2560	23.50	-2.6	7.5	18.60	Vertical

Test result:  
Channel 20775

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2454.98	-52.84	-13	Horizontal
2779.96	-51.42	-13	Vertical
3729.71	-44.28	-13	Vertical
6677.31	-43.75	-13	Vertical
9963.67	-39.74	-13	Vertical
17822.87	-35.54	-13	Vertical

Channel 21100

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2453.13	-52.32	-13	Vertical
2779.47	-51.63	-13	Horizontal
3729.77	-43.84	-13	Vertical
6676.75	-43.58	-13	Vertical
9964.69	-40.31	-13	Horizontal
17822.20	-36.13	-13	Vertical

Channel 21350

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2456.45	-52.81	-13	Vertical
2780.75	-51.32	-13	Vertical
3729.71	-43.78	-13	Vertical
6679.08	-43.22	-13	Horizontal
9962.08	-39.68	-13	Horizontal
17822.09	-35.94	-13	Vertical

LTE band 12

Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band12	QPSK	1.4	23017	1#0	23.37	0.217
Band12	QPSK	1.4	23095	1#0	23.14	0.206
Band12	QPSK	1.4	23173	1#0	22.83	0.192
Band12	16QAM	1.4	23017	1#0	22.37	0.173
Band12	16QAM	1.4	23095	1#0	22.76	0.189
Band12	16QAM	1.4	23173	1#0	23.07	0.203
Band12	64QAM	1.4	23017	1#0	21.99	0.158
Band12	64QAM	1.4	23095	1#0	21.73	0.149
Band12	64QAM	1.4	23173	1#0	22.25	0.168
Band12	QPSK	3	23025	1#0	22.85	0.193
Band12	QPSK	3	23095	1#0	21.99	0.158
Band12	QPSK	3	23165	1#0	22.55	0.180
Band12	16QAM	3	23025	1#0	22.15	0.164
Band12	16QAM	3	23095	1#0	22.92	0.196
Band12	16QAM	3	23165	1#0	22.46	0.176
Band12	64QAM	3	23025	1#0	22.96	0.198
Band12	64QAM	3	23095	1#0	23.05	0.202
Band12	64QAM	3	23165	1#0	21.60	0.145
Band12	QPSK	5	23035	1#0	23.59	0.229
Band12	QPSK	5	23095	1#0	22.52	0.179
Band12	QPSK	5	23155	1#0	22.27	0.169
Band12	16QAM	5	23035	1#0	22.08	0.161
Band12	16QAM	5	23095	1#0	22.41	0.174
Band12	16QAM	5	23155	1#0	22.75	0.188
Band12	64QAM	5	23035	1#0	22.47	0.177
Band12	64QAM	5	23095	1#0	23.10	0.204
Band12	64QAM	5	23155	1#0	22.57	0.181
Band12	QPSK	10	23060	1#0	22.89	0.195
Band12	QPSK	10	23095	1#0	23.43	0.220
Band12	QPSK	10	23130	1#0	22.77	0.189
Band12	16QAM	10	23060	1#0	23.04	0.201
Band12	16QAM	10	23095	1#0	22.55	0.180
Band12	16QAM	10	23130	1#0	22.13	0.163
Band12	64QAM	10	23060	1#0	22.40	0.174
Band12	64QAM	10	23095	1#0	22.47	0.177
Band12	64QAM	10	23130	1#0	22.99	0.199

Frequency (MHz)	Peak ERP (dBm)	PcaCable loss(dB)	Ga Antenna Gain (dB)	Correction (dB)	Pmea (dBm)	Polarization
698.0	21.39	-3.4	8.3	2.15	18.64	Vertical
707.0	21.37	-3.4	8.3	2.15	18.62	Vertical
715.9	21.31	-3.4	8.3	2.15	18.56	Vertical

Test result:  
Channel 23000

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.01	-52.77	-13	Horizontal
1664.48	-51.63	-13	Vertical
2534.47	-44.09	-13	Horizontal
2574.32	-43.43	-13	Vertical
8962.91	-39.76	-13	Vertical
9968.39	-35.48	-13	Vertical

Channel 23090

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.80	-52.22	-13	Vertical
1666.85	-51.22	-13	Vertical
2534.79	-43.93	-13	Horizontal
2575.77	-43.19	-13	Horizontal
8964.37	-39.27	-13	Vertical
9969.78	-35.38	-13	Vertical

Channel 23179

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.18	-52.46	-13	Vertical
1665.25	-51.92	-13	Vertical
2534.77	-43.90	-13	Vertical
2576.90	-42.96	-13	Horizontal
8962.78	-40.08	-13	Horizontal
9969.48	-35.43	-13	Vertical

LTE band 66

Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band66	QPSK	1.4	131979	1#0	15.45	0.035
Band66	QPSK	1.4	132322	1#0	15.33	0.034
Band66	QPSK	1.4	132665	1#0	15.13	0.033
Band66	16QAM	1.4	131979	1#0	14.81	0.030
Band66	16QAM	1.4	132322	1#0	14.65	0.029
Band66	16QAM	1.4	132665	1#0	14.63	0.029
Band66	64QAM	1.4	131979	1#0	14.34	0.027
Band66	64QAM	1.4	132322	1#0	13.81	0.024
Band66	64QAM	1.4	132665	1#0	14.42	0.028
Band66	QPSK	3	131987	1#0	15.61	0.036
Band66	QPSK	3	132322	1#0	15.08	0.032
Band66	QPSK	3	132657	1#0	15.57	0.036
Band66	16QAM	3	131987	1#0	14.15	0.026
Band66	16QAM	3	132322	1#0	14.36	0.027
Band66	16QAM	3	132657	1#0	14.46	0.028
Band66	64QAM	3	131987	1#0	14.35	0.027
Band66	64QAM	3	132322	1#0	14.24	0.027
Band66	64QAM	3	132657	1#0	14.47	0.028
Band66	QPSK	5	131997	1#0	15.50	0.035
Band66	QPSK	5	132322	1#0	15.81	0.038
Band66	QPSK	5	132647	1#0	15.05	0.032
Band66	16QAM	5	131997	1#0	14.78	0.030
Band66	16QAM	5	132322	1#0	14.74	0.030
Band66	16QAM	5	132647	1#0	14.75	0.030
Band66	64QAM	5	131997	1#0	14.48	0.028
Band66	64QAM	5	132322	1#0	14.78	0.030
Band66	64QAM	5	132647	1#0	14.73	0.030
Band66	QPSK	10	132022	1#0	15.94	0.039
Band66	QPSK	10	132322	1#0	15.25	0.034
Band66	QPSK	10	132622	1#0	14.89	0.031
Band66	16QAM	10	132022	1#0	14.54	0.028
Band66	16QAM	10	132322	1#0	15.01	0.032
Band66	16QAM	10	132622	1#0	14.10	0.026
Band66	64QAM	10	132022	1#0	14.21	0.026
Band66	64QAM	10	132322	1#0	14.85	0.031
Band66	64QAM	10	132622	1#0	14.82	0.030
Band66	QPSK	15	132047	1#0	15.81	0.038
Band66	QPSK	15	132322	1#0	15.25	0.034
Band66	QPSK	15	132597	1#0	15.81	0.038
Band66	16QAM	15	132047	1#0	15.13	0.033
Band66	16QAM	15	132322	1#0	15.03	0.032
Band66	16QAM	15	132597	1#0	14.32	0.027
Band66	64QAM	15	132047	1#0	14.49	0.028

Band66	64QAM	15	132322	1#0	14.60	0.029
Band66	64QAM	15	132597	1#0	14.97	0.031
Band66	QPSK	20	132072	1#0	15.67	0.037
Band66	QPSK	20	132322	1#0	15.66	0.037
Band66	QPSK	20	132572	1#0	16.02	0.040
Band66	16QAM	20	132072	1#0	14.75	0.030
Band66	16QAM	20	132322	1#0	14.99	0.032
Band66	16QAM	20	132572	1#0	14.54	0.028
Band66	64QAM	20	132072	1#0	14.19	0.026
Band66	64QAM	20	132322	1#0	14.54	0.028
Band66	64QAM	20	132572	1#0	15.03	0.032

Test result:

Channel 132072

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.13	-49.21	-13	Vertical
2778.23	-47.88	-13	Vertical
3726.96	-40.43	-13	Vertical
6675.77	-39.58	-13	Vertical
9962.48	-37.33	-13	Vertical
17818.67	-33.85	-13	Vertical

Channel 132322

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.87	-48.63	-13	Vertical
2779.16	-47.48	-13	Vertical
3726.26	-40.99	-13	Vertical
6677.40	-39.94	-13	Vertical
9962.56	-37.55	-13	Vertical
17818.76	-34.25	-13	Vertical

Channel 132572

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.00	-48.94	-13	Vertical
2780.91	-47.19	-13	Vertical
3728.34	-40.36	-13	Vertical
6677.40	-39.35	-13	Vertical
9962.16	-37.33	-13	Vertical
17818.64	-33.51	-13	Vertical

Test with secondary supply:  
LTE band 5 20525 is selected as the worst point for RSE.

Test result:  
Channel 20525

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1687.35	-53.97	-13	Vertical
1690.48	-52.48	-13	Vertical
2534.68	-42.36	-13	Vertical
2598.39	-43.59	-13	Vertical
8968.75	-37.75	-13	Vertical
9935.66	-36.86	-13	Horizontal

---The end of the test report---