

Fig.15

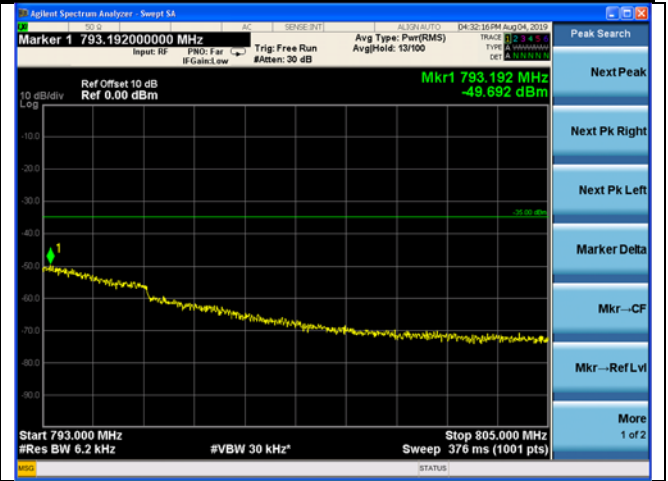


Fig.16

6 Frequency Stability

Test result:

Temperature(°C)	Voltage	Test Result (ppm) Band13 Low Channel	
		5M	10M
-10	NV	0.105	-0.030
0	NV	0.003	0.083
10	NV	-0.081	0.107
20	NV	0.076	0.005
30	NV	0.143	-0.017
40	NV	-0.038	0.003
50	NV	-0.127	0.075
55	NV	0.041	0.028
20	LV	0.103	0.083
20	HV	0.046	-0.052

Temperature(°C)	Voltage	Test Result (ppm) Band13 High Channel	
		5M	10M
-10	NV	0.068	0.035
0	NV	0.035	-0.068
10	NV	0.117	0.069
20	NV	-0.101	0.053
30	NV	0.117	-0.076
40	NV	-0.095	0.037
50	NV	0.036	0.023
55	NV	0.068	-0.019
20	LV	0.043	0.136
20	HV	-0.067	0.015

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 17

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	706.5	23755	5	1	0	23.09
				1	24	23.09
				12	6	22.10
				25	0	22.23
	710	23790		1	0	23.17
				1	24	23.17
				12	6	23.14
				25	0	22.19
	713.5	23825		1	0	23.21
				1	24	23.21
				12	6	22.15
				25	0	22.32
16QAM	706.5	23755	5	1	0	22.43
				1	24	22.43
				12	6	21.35
				25	0	21.27
	710	23790		1	0	22.48
				1	24	22.48
				12	6	21.23
				25	0	21.27
	713.5	23825		1	0	22.87
				1	24	22.87
				12	6	21.13
				25	0	21.38
64QAM	709	23780	5	1	0	22.20
				1	24	22.26
				12	6	21.38
				25	0	21.25
	710	23790		1	0	22.26
				1	24	22.35
				12	6	21.42
				25	0	21.32
	711	23800		1	0	22.22
				1	24	22.33
				12	6	21.36
				25	0	21.28

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	709	23780	10	1	0	23.22
				1	49	23.22
				24	12	22.18
				50	0	22.21
	710	23790		1	0	23.26
				1	49	23.26
				24	12	22.19
				50	0	22.24
	711	23800		1	0	23.37
				1	49	23.37
				24	12	22.23
				50	0	22.22
16QAM	709	23780	10	1	0	22.56
				1	49	22.56
				24	12	21.16
				50	0	21.45
	710	23790		1	0	22.78
				1	49	22.78
				24	12	21.23
				50	0	21.47
	711	23800		1	0	22.87
				1	49	22.87
				24	12	21.38
				50	0	21.57
64QAM	709	23780	10	1	0	22.05
				1	49	22.23
				24	12	21.08
				50	0	21.11
	710	23790		1	0	22.10
				1	49	22.25
				24	12	21.39
				50	0	21.25
	711	23800		1	0	21.95
				1	49	22.16
				24	12	21.34
				50	0	21.02

2 Occupied Bandwidth
Test result

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
17	706.5	23755	5	25	0	4.48	Fig.1	4.45	Fig.2	4.45	Fig.3
	710	23790		25	0	4.46	Fig.4	4.46	Fig.5	4.45	Fig.6
	713.5	23825		25	0	4.45	Fig.7	4.46	Fig.8	4.46	Fig.9
	709	23780	10	50	0	9.00	Fig.10	8.98	Fig.11	8.98	Fig.12
	710	23790		50	0	9.01	Fig.13	8.99	Fig.14	9.00	Fig.15
	711	23800		50	0	9.00	Fig.16	8.99	Fig.17	8.97	Fig.18

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
17	706.5	23755	5	25	0	4.72	Fig.1	4.77	Fig.2	4.74	Fig.3
	710	23790		25	0	4.83	Fig.4	4.74	Fig.5	4.77	Fig.6
	713.5	23825		25	0	4.77	Fig.7	4.78	Fig.8	4.69	Fig.9
	709	23780	10	50	0	9.67	Fig.10	9.70	Fig.11	9.68	Fig.12
	710	23790		50	0	9.65	Fig.13	9.63	Fig.14	9.65	Fig.15
	711	23800		50	0	9.65	Fig.16	9.66	Fig.17	9.63	Fig.18

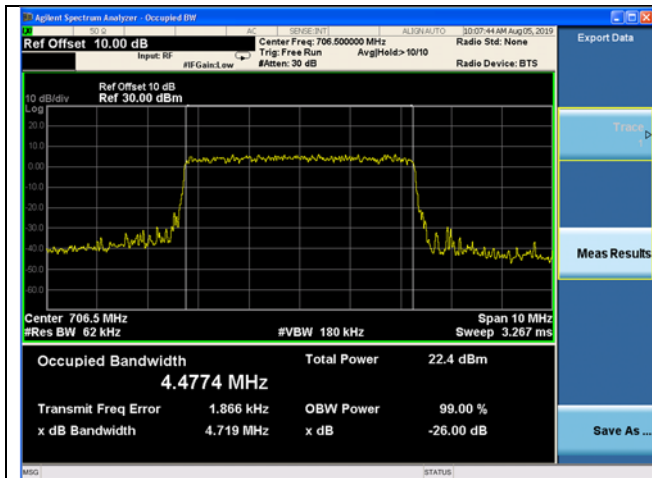


Fig.1

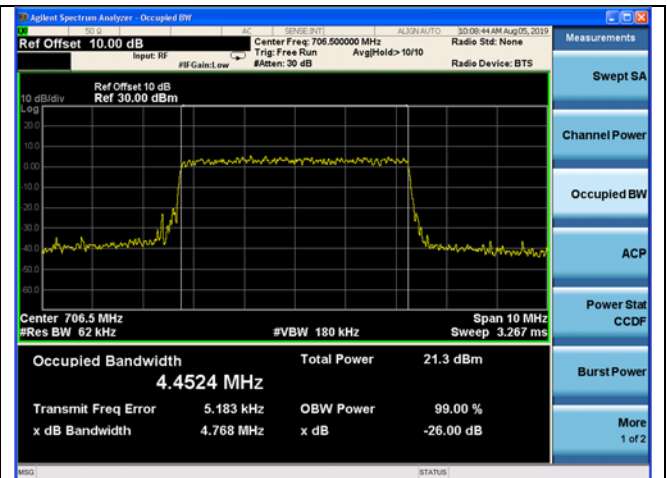


Fig.2

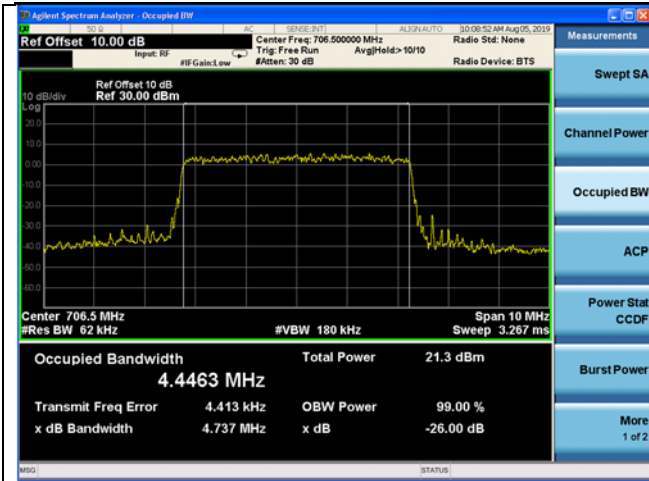


Fig.3

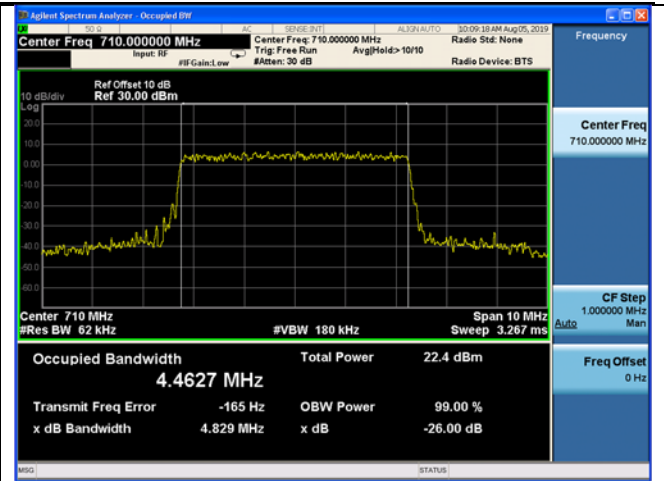


Fig.4

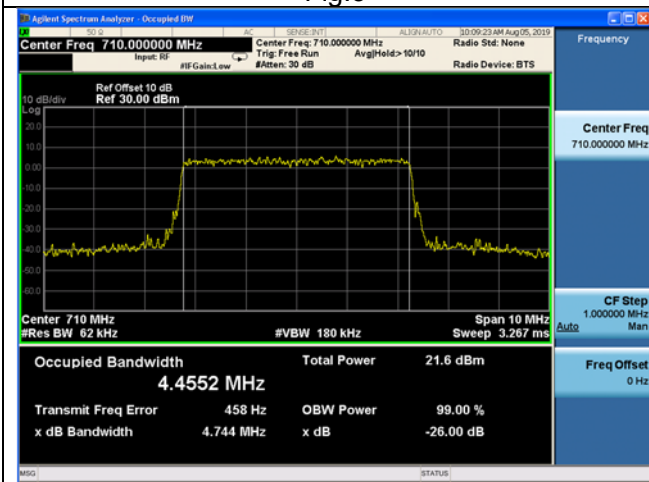


Fig.5

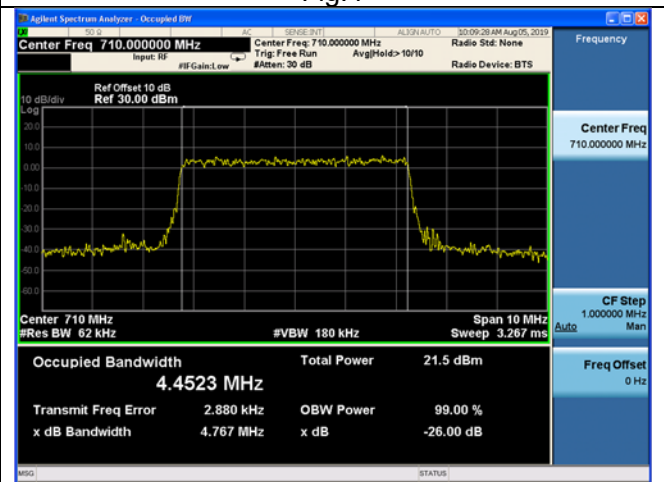


Fig.6

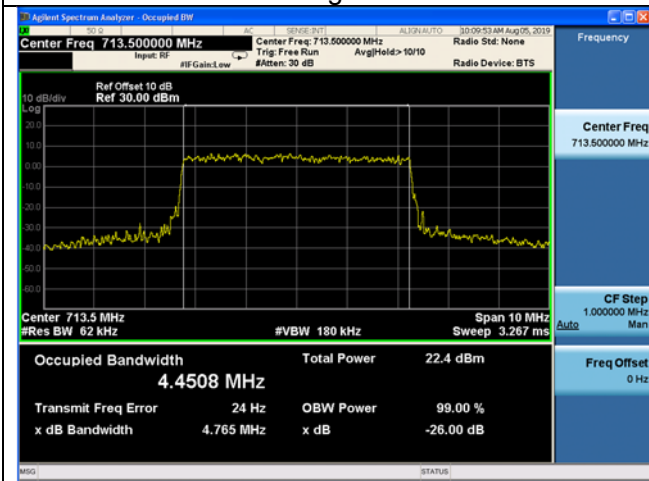


Fig.7

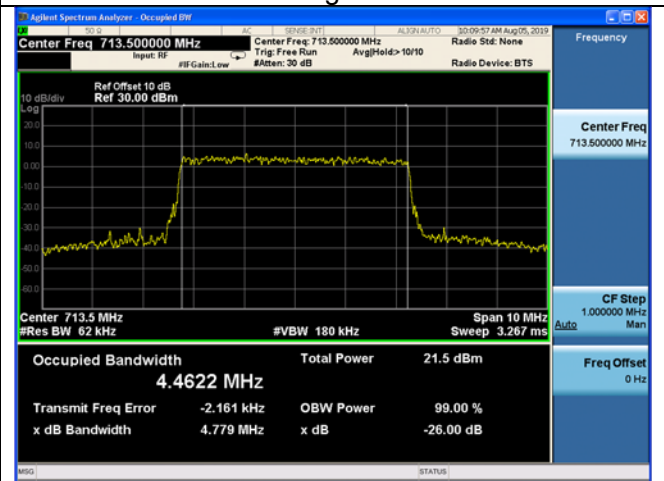


Fig.8

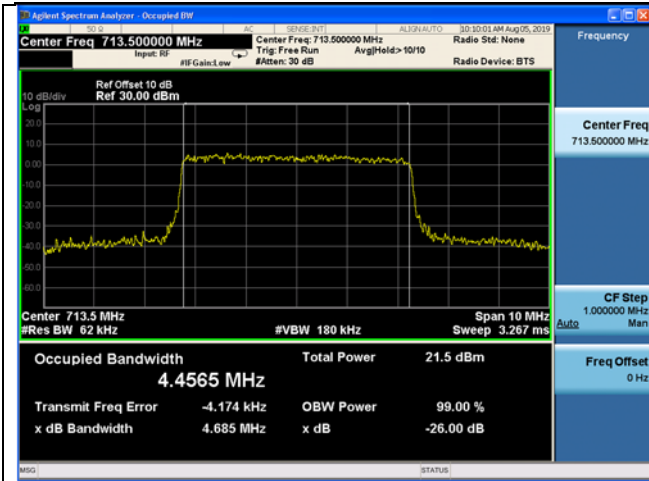


Fig.9

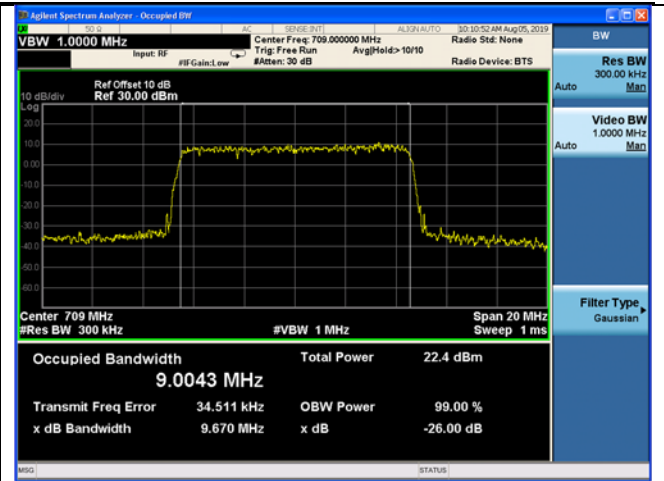


Fig.10

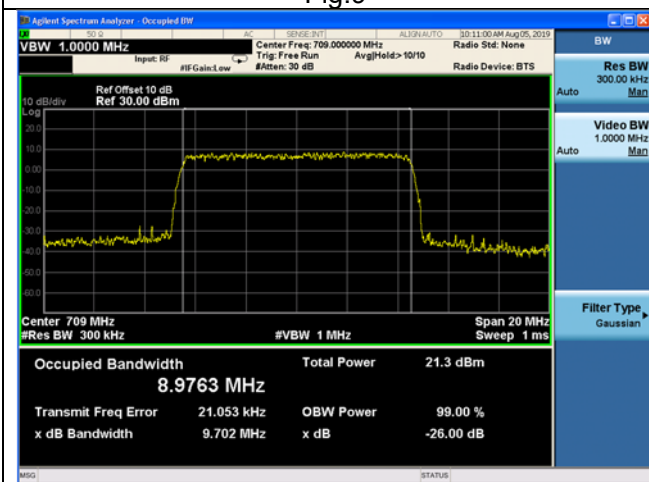


Fig.11

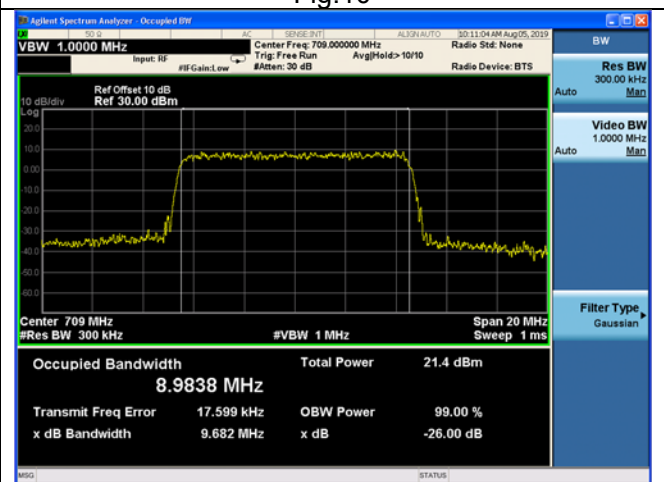


Fig.12

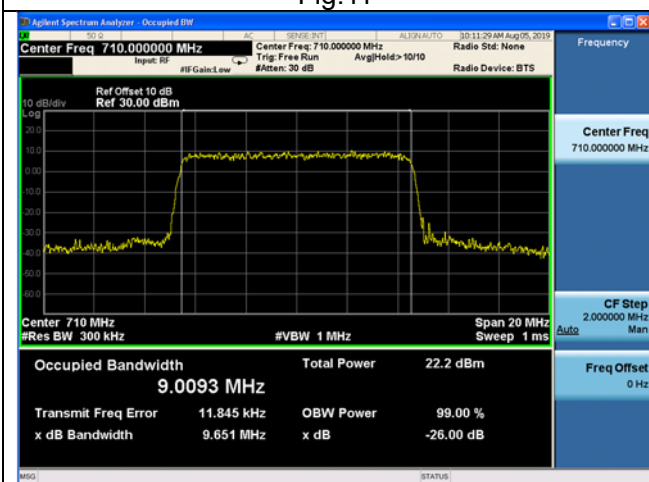


Fig.13

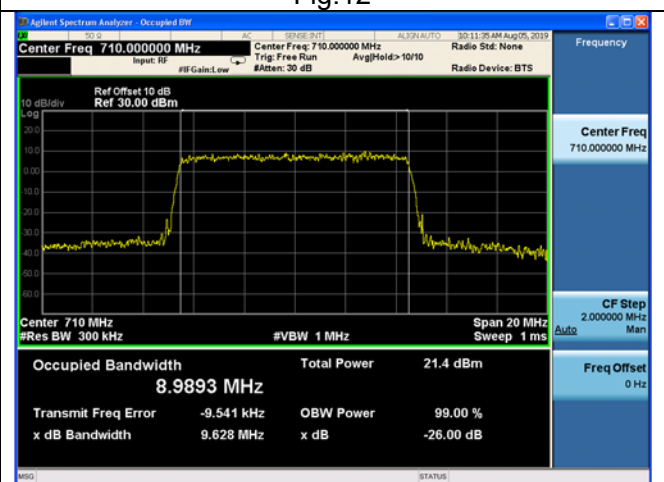


Fig.14

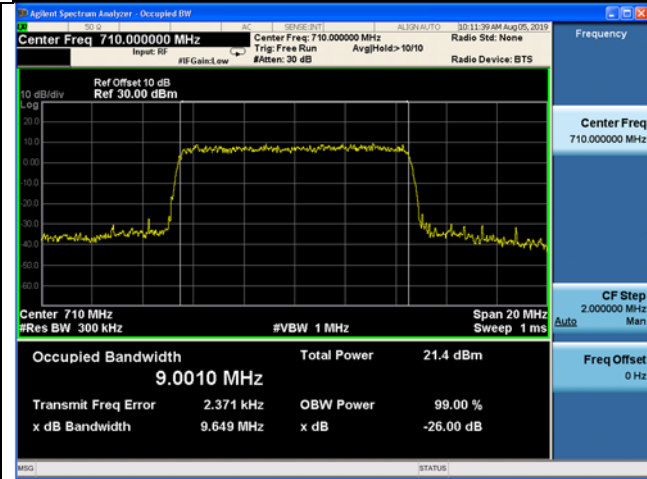


Fig.15

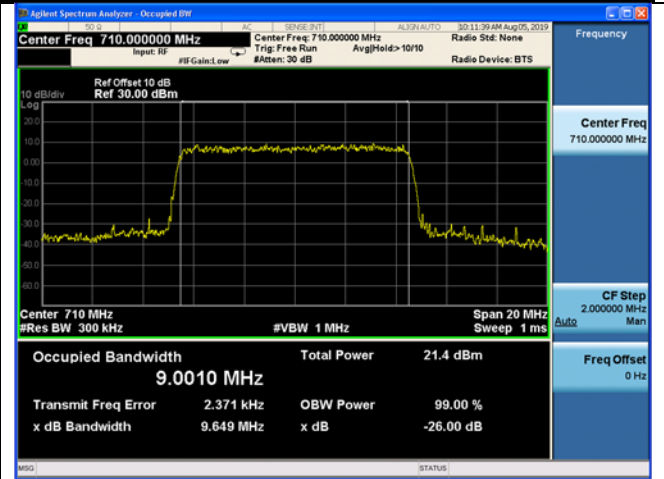


Fig.16

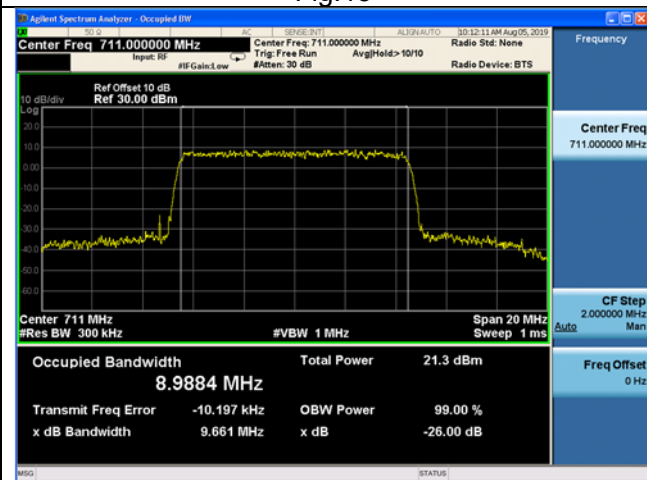


Fig.17

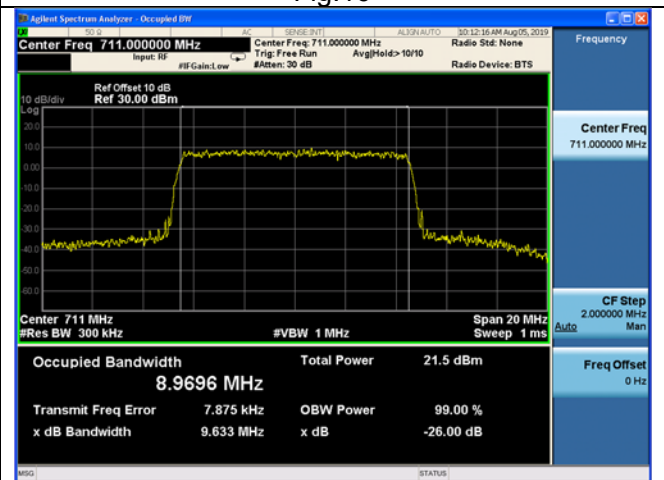


Fig.18

3 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
17	710	23790	5	1	0	Fig.1	Fig.2	Fig.3
			10	1	0	Fig.4	Fig.5	Fig.6

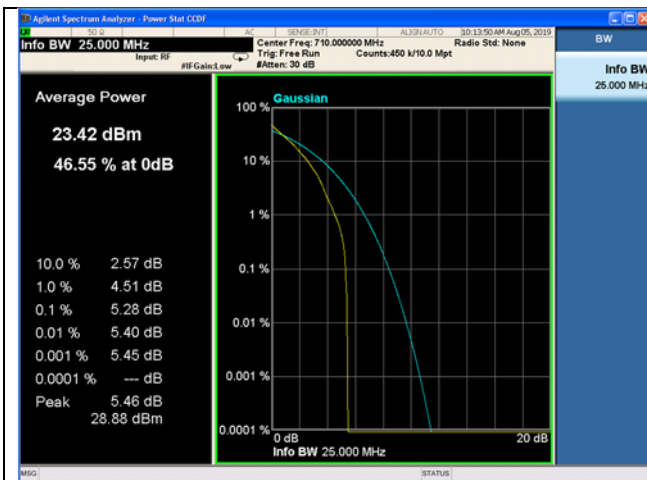


Fig.1

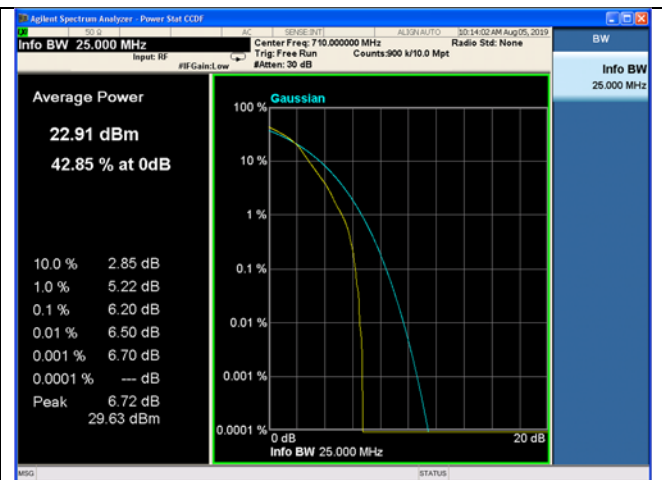


Fig.2

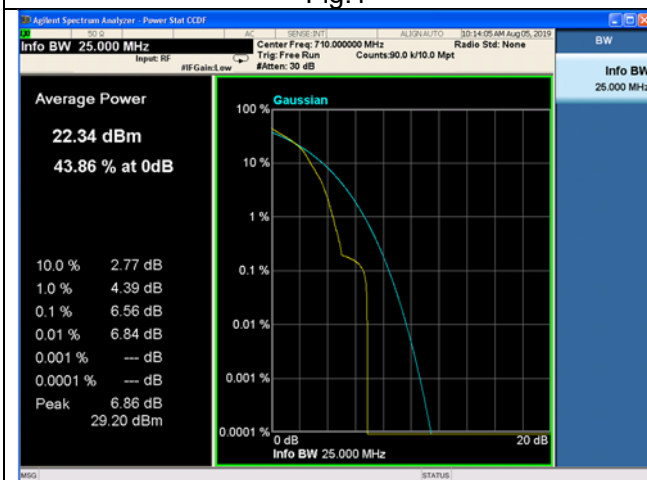


Fig.3

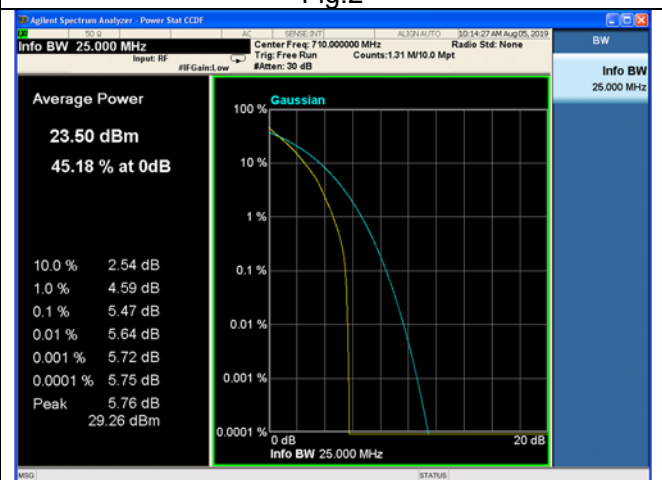


Fig.4

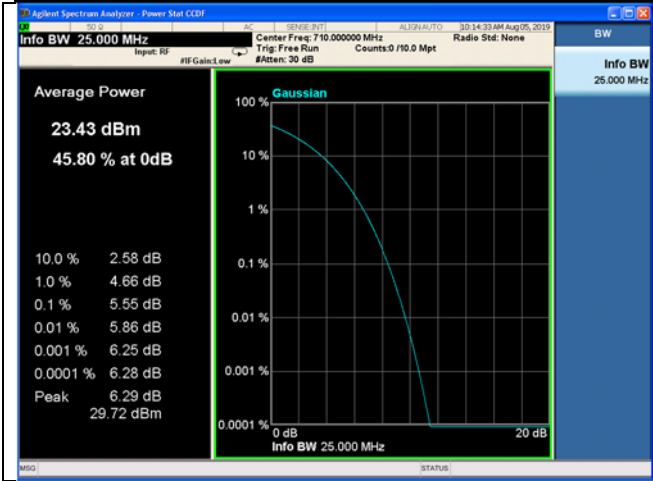


Fig.5

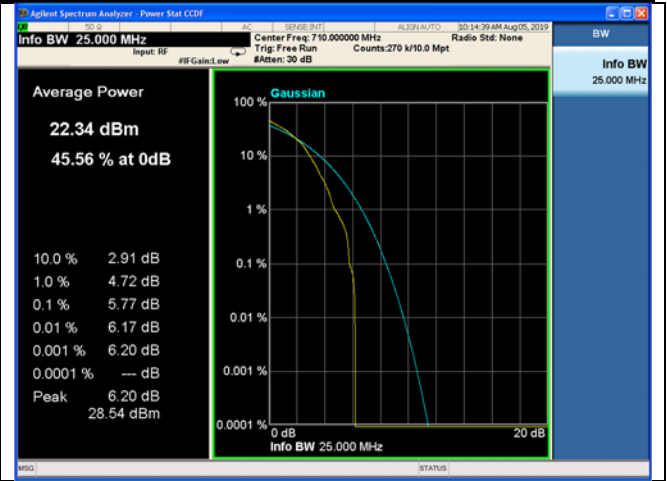


Fig.6

4 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
17	709	23780	10	1	0	Fig.1
	710	23790	10	1	0	Fig.2
	711	23800	10	1	0	Fig.3



Fig.1



Fig.2



Fig.3

5 Band Edges Compliance
Test result

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
17	706.5	23755	5	1	0	Fig.1
				25	0	Fig.2
	10	1		24	Fig.3	
		25		0	Fig.4	
	713.5	23825	5	1	0	Fig.5
				25	0	Fig.6
	10	1		49	Fig.7	
		50		0	Fig.8	
709	23780	10	1	0	Fig.5	
			50	0	Fig.6	
711	23800		10	1	49	Fig.7
				50	0	Fig.8

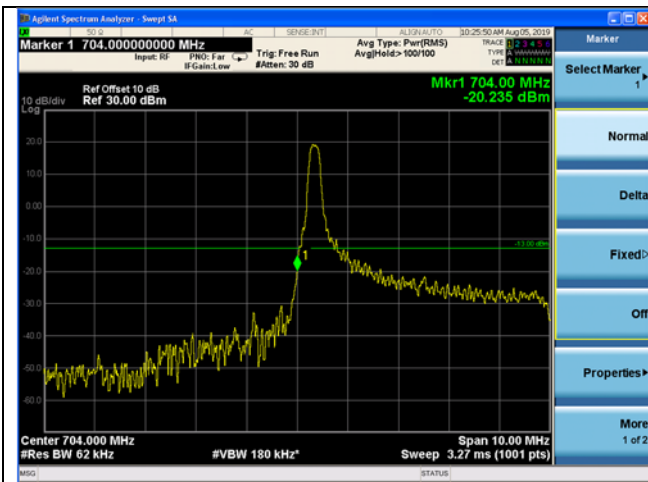


Fig.1

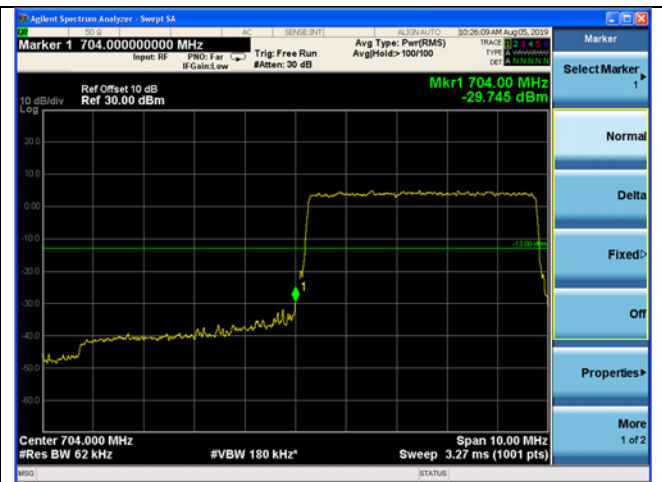


Fig.2

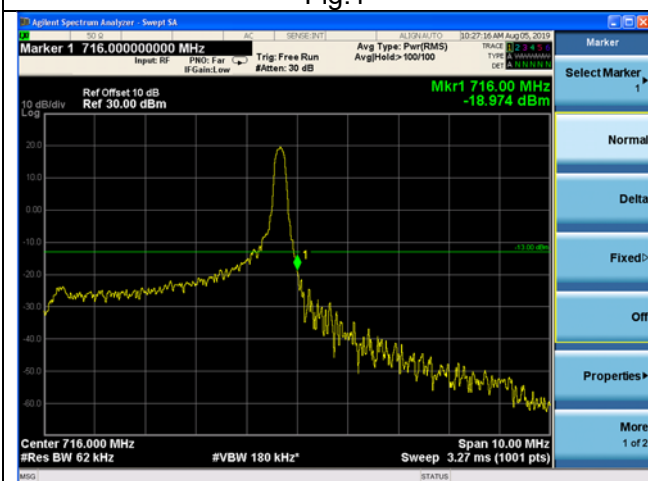


Fig.3

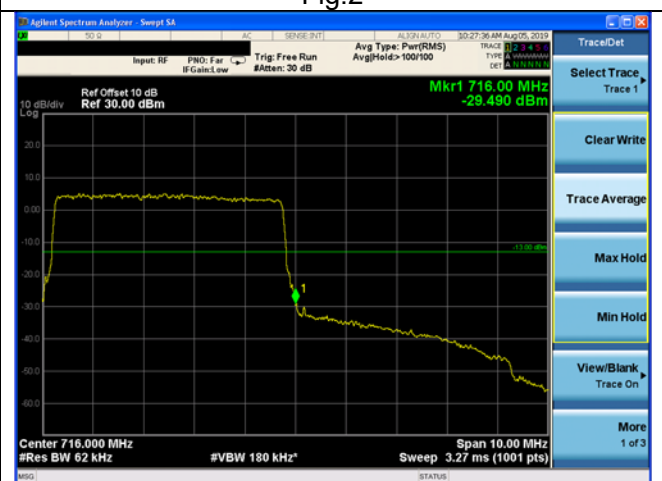


Fig.4

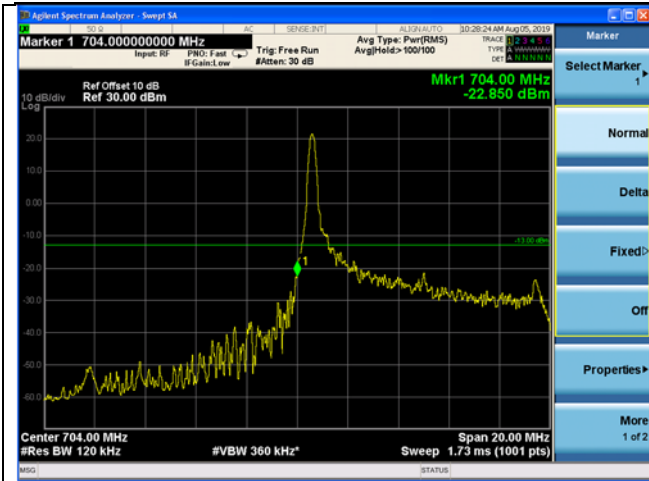


Fig.5

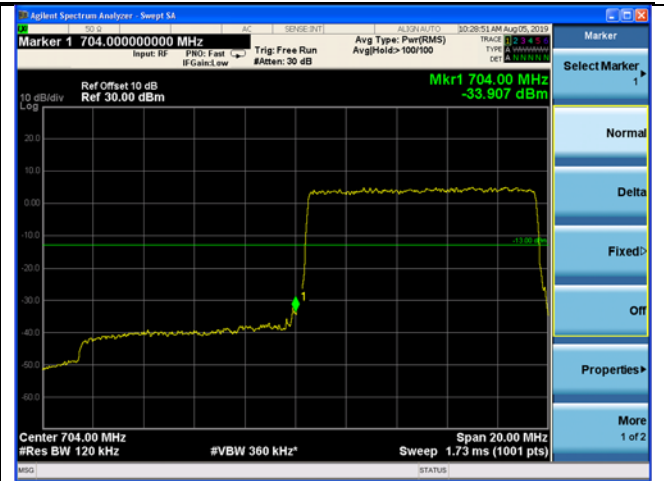


Fig.6

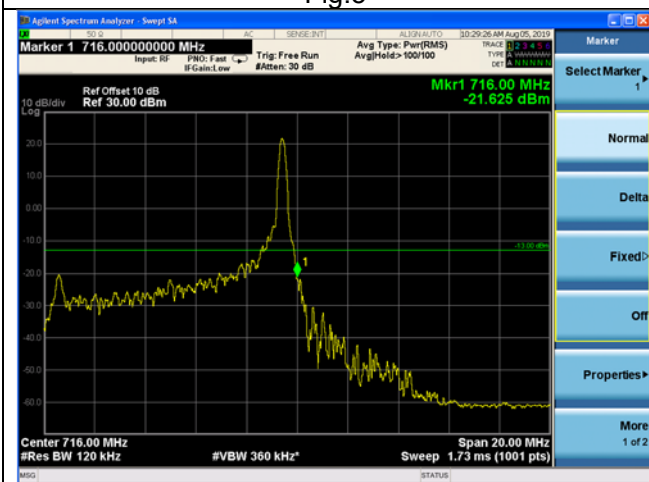


Fig.7

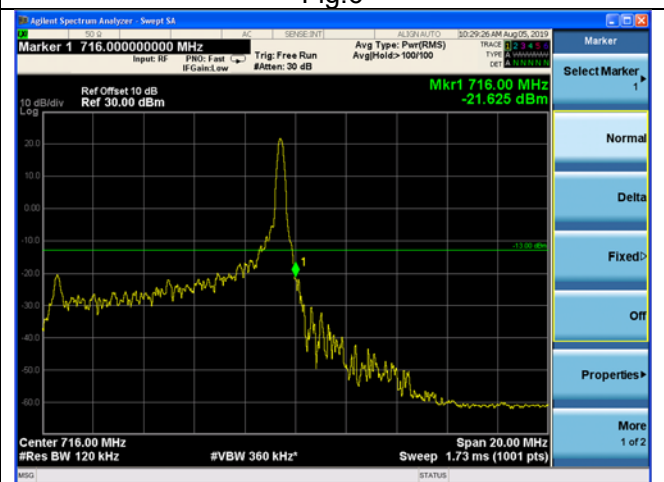


Fig.8

6 Frequency Stability

Test result:

Temperature(°C)	Voltage	Test Result (ppm) Band17 Low Channel	
		5M	10M
-10	NV	0.107	0.035
0	NV	0.009	-0.083
10	NV	-0.081	0.107
20	NV	0.073	-0.002
30	NV	--0.145	0.017
40	NV	0.037	0.006
50	NV	0.123	0.073
55	NV	0.019	-0.069
20	LV	-0.106	0.080
20	HV	0.047	0.055

Temperature(°C)	Voltage	Test Result (ppm) Band17 High Channel	
		5M	10M
-10	NV	0.062	0.037
0	NV	-0.032	0.063
10	NV	0.123	0.069
20	NV	0.102	-0.053
30	NV	-0.113	-0.076
40	NV	0.095	0.035
50	NV	0.042	0.123
55	NV	-0.038	0.119
20	LV	0.047	-0.141
20	HV	0.065	0.013

APPENDIX B – TEST DATA OF RADIATED EMISSION

According to the test result of GSM/GPRS MODE, the battery by Veken is selected for testing.

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	25.15	0.328
Band2	QPSK	1.4	18900	1#0	24.79	0.301
Band2	QPSK	1.4	19193	1#0	24.75	0.299
Band2	16QAM	1.4	18607	1#0	24.60	0.288
Band2	16QAM	1.4	18900	1#0	24.30	0.269
Band2	16QAM	1.4	19193	1#0	24.47	0.280
Band2	64QAM	1.4	18607	1#0	23.18	0.208
Band2	64QAM	1.4	18900	1#0	22.87	0.193
Band2	64QAM	1.4	19193	1#0	23.19	0.209
Band2	QPSK	3	18615	1#0	24.38	0.274
Band2	QPSK	3	18900	1#0	25.25	0.335
Band2	QPSK	3	19185	1#0	24.90	0.309
Band2	16QAM	3	18615	1#0	24.42	0.277
Band2	16QAM	3	18900	1#0	23.71	0.235
Band2	16QAM	3	19185	1#0	24.31	0.270
Band2	64QAM	3	18615	1#0	22.72	0.187
Band2	64QAM	3	18900	1#0	22.84	0.192
Band2	64QAM	3	19185	1#0	22.60	0.182
Band2	QPSK	5	18625	1#0	24.44	0.278
Band2	QPSK	5	18900	1#0	25.28	0.338
Band2	QPSK	5	19175	1#0	25.29	0.338
Band2	16QAM	5	18625	1#0	25.02	0.318
Band2	16QAM	5	18900	1#0	23.70	0.234
Band2	16QAM	5	19175	1#0	24.25	0.266
Band2	64QAM	5	18625	1#0	23.19	0.208
Band2	64QAM	5	18900	1#0	22.81	0.191
Band2	64QAM	5	19175	1#0	22.77	0.189
Band2	QPSK	10	18650	1#0	25.15	0.327
Band2	QPSK	10	18900	1#0	24.58	0.287
Band2	QPSK	10	19150	1#0	25.38	0.345
Band2	16QAM	10	18650	1#0	24.19	0.263
Band2	16QAM	10	18900	1#0	24.59	0.288
Band2	16QAM	10	19150	1#0	24.52	0.283
Band2	64QAM	10	18650	1#0	22.84	0.192
Band2	64QAM	10	18900	1#0	22.58	0.181
Band2	64QAM	10	19150	1#0	23.63	0.231
Band2	QPSK	15	18675	1#0	25.09	0.323
Band2	QPSK	15	18900	1#0	24.59	0.287

Band2	QPSK	15	19125	1#0	25.29	0.338
Band2	16QAM	15	18675	1#0	24.25	0.266
Band2	16QAM	15	18900	1#0	24.64	0.291
Band2	16QAM	15	19125	1#0	24.59	0.288
Band2	64QAM	15	18675	1#0	23.23	0.210
Band2	64QAM	15	18900	1#0	23.08	0.203
Band2	64QAM	15	19125	1#0	22.72	0.187
Band2	QPSK	20	18700	1#0	24.60	0.288
Band2	QPSK	20	18900	1#0	24.85	0.305
Band2	QPSK	20	19100	1#0	24.32	0.270
Band2	16QAM	20	18700	1#0	23.97	0.250
Band2	16QAM	20	18900	1#0	23.30	0.214
Band2	16QAM	20	19100	1#0	24.36	0.273
Band2	64QAM	20	18700	1#0	22.75	0.188
Band2	64QAM	20	18900	1#0	23.67	0.233
Band2	64QAM	20	19100	1#0	23.17	0.207

Test result:

Channel 18700

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.70	-48.50	-13	Vertical
2782.00	-47.67	-13	Vertical
3726.86	-40.52	-13	Vertical
6678.79	-39.63	-13	Vertical
9962.30	-37.21	-13	Vertical
17822.36	-33.74	-13	Vertical

Channel 18900

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.86	-48.71	-13	Vertical
2780.94	-47.64	-13	Vertical
3728.00	-40.74	-13	Vertical
6676.78	-39.30	-13	Vertical
9960.39	-36.80	-13	Vertical
17821.29	-33.74	-13	Vertical

Channel 19100

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.90	-48.98	-13	Vertical
2779.11	-47.87	-13	Vertical
3726.62	-40.60	-13	Vertical
6676.80	-39.31	-13	Vertical
9960.15	-37.69	-13	Vertical
17818.47	-34.05	-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	24.49	0.281
Band4	QPSK	1.4	20175	1#0	24.75	0.299
Band4	QPSK	1.4	20393	1#0	24.65	0.291
Band4	16QAM	1.4	19957	1#0	23.74	0.237
Band4	16QAM	1.4	20175	1#0	24.48	0.281
Band4	16QAM	1.4	20393	1#0	23.42	0.220
Band4	64QAM	1.4	19957	1#0	23.03	0.201
Band4	64QAM	1.4	20175	1#0	23.58	0.228
Band4	64QAM	1.4	20393	1#0	23.38	0.218
Band4	QPSK	3	19965	1#0	24.78	0.300
Band4	QPSK	3	20175	1#0	24.71	0.296
Band4	QPSK	3	20385	1#0	24.33	0.271
Band4	16QAM	3	19965	1#0	24.02	0.252
Band4	16QAM	3	20175	1#0	24.42	0.276
Band4	16QAM	3	20385	1#0	24.74	0.298
Band4	64QAM	3	19965	1#0	22.96	0.198
Band4	64QAM	3	20175	1#0	22.80	0.191
Band4	64QAM	3	20385	1#0	23.58	0.228
Band4	QPSK	5	19975	1#0	25.27	0.337
Band4	QPSK	5	20175	1#0	24.91	0.310
Band4	QPSK	5	20375	1#0	25.18	0.330
Band4	16QAM	5	19975	1#0	23.38	0.218
Band4	16QAM	5	20175	1#0	24.02	0.252
Band4	16QAM	5	20375	1#0	24.62	0.290
Band4	64QAM	5	19975	1#0	23.68	0.233
Band4	64QAM	5	20175	1#0	23.55	0.226
Band4	64QAM	5	20375	1#0	22.89	0.194
Band4	QPSK	10	20000	1#0	24.65	0.291
Band4	QPSK	10	20175	1#0	24.69	0.294
Band4	QPSK	10	20350	1#0	24.37	0.273
Band4	16QAM	10	20000	1#0	22.59	0.182
Band4	16QAM	10	20175	1#0	25.00	0.316
Band4	16QAM	10	20350	1#0	23.84	0.242
Band4	64QAM	10	20000	1#0	23.41	0.219
Band4	64QAM	10	20175	1#0	23.08	0.203
Band4	64QAM	10	20350	1#0	23.23	0.211
Band4	QPSK	15	20025	1#0	25.02	0.318
Band4	QPSK	15	20175	1#0	24.60	0.289
Band4	QPSK	15	20325	1#0	25.13	0.326
Band4	16QAM	15	20025	1#0	25.23	0.334
Band4	16QAM	15	20175	1#0	24.91	0.310

Band4	16QAM	15	20325	1#0	24.70	0.295
Band4	64QAM	15	20025	1#0	23.50	0.224
Band4	64QAM	15	20175	1#0	23.20	0.209
Band4	64QAM	15	20325	1#0	23.06	0.202
Band4	QPSK	20	20050	1#0	25.38	0.345
Band4	QPSK	20	20175	1#0	25.11	0.325
Band4	QPSK	20	20300	1#0	24.50	0.282
Band4	16QAM	20	20050	1#0	23.60	0.229
Band4	16QAM	20	20175	1#0	23.43	0.220
Band4	16QAM	20	20300	1#0	24.43	0.277
Band4	64QAM	20	20050	1#0	24.00	0.251
Band4	64QAM	20	20175	1#0	23.14	0.206
Band4	64QAM	20	20300	1#0	23.82	0.241

Test result:
Channel 20050

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.30	-49.42	-13	Vertical
2778.86	-47.68	-13	Vertical
3728.35	-40.60	-13	Vertical
6678.45	-39.83	-13	Vertical
9960.96	-37.40	-13	Vertical
17820.90	-33.99	-13	Vertical

Channel 20175

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.29	-48.99	-13	Vertical
2781.25	-47.70	-13	Vertical
3725.20	-40.67	-13	Vertical
6677.27	-39.46	-13	Vertical
9962.54	-37.51	-13	Vertical
17820.04	-33.92	-13	Vertical

Channel 20300

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2457.74	-48.52	-13	Vertical
2779.17	-46.93	-13	Vertical
3724.77	-41.26	-13	Vertical
6676.25	-39.90	-13	Vertical
9962.10	-37.26	-13	Vertical
17820.35	-33.60	-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	19.70	0.093
Band5	QPSK	1.4	20525	1#0	20.07	0.102
Band5	QPSK	1.4	20643	1#0	19.70	0.093
Band5	16QAM	1.4	20407	1#0	19.62	0.092
Band5	16QAM	1.4	20525	1#0	19.49	0.089
Band5	16QAM	1.4	20643	1#0	19.23	0.084
Band5	64QAM	1.4	20407	1#0	18.45	0.070
Band5	64QAM	1.4	20525	1#0	18.54	0.071
Band5	64QAM	1.4	20643	1#0	18.52	0.071
Band5	QPSK	3	20415	1#0	19.77	0.095
Band5	QPSK	3	20525	1#0	20.33	0.108
Band5	QPSK	3	20635	1#0	19.41	0.087
Band5	16QAM	3	20415	1#0	19.11	0.081
Band5	16QAM	3	20525	1#0	19.82	0.096
Band5	16QAM	3	20635	1#0	20.10	0.102
Band5	64QAM	3	20415	1#0	18.52	0.071
Band5	64QAM	3	20525	1#0	18.77	0.075
Band5	64QAM	3	20635	1#0	18.28	0.067
Band5	QPSK	5	20425	1#0	19.75	0.095
Band5	QPSK	5	20525	1#0	19.60	0.091
Band5	QPSK	5	20625	1#0	20.09	0.102
Band5	16QAM	5	20425	1#0	20.18	0.104
Band5	16QAM	5	20525	1#0	19.40	0.087
Band5	16QAM	5	20625	1#0	19.45	0.088
Band5	64QAM	5	20425	1#0	19.09	0.081
Band5	64QAM	5	20525	1#0	19.05	0.080
Band5	64QAM	5	20625	1#0	18.79	0.076
Band5	QPSK	10	20450	1#0	19.73	0.094
Band5	QPSK	10	20525	1#0	20.28	0.107
Band5	QPSK	10	20600	1#0	19.59	0.091
Band5	16QAM	10	20450	1#0	18.43	0.070
Band5	16QAM	10	20525	1#0	19.27	0.085
Band5	16QAM	10	20600	1#0	18.33	0.068
Band5	64QAM	10	20450	1#0	19.01	0.080
Band5	64QAM	10	20525	1#0	18.76	0.075
Band5	64QAM	10	20600	1#0	18.64	0.073

Test result:

Channel 20450

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.83	-52.92	-13	Vertical
1668.73	-50.80	-13	Vertical
2535.45	-44.28	-13	Vertical
2577.87	-43.81	-13	Vertical
8960.82	-39.78	-13	Vertical
9971.56	-36.46	-13	Vertical

Channel 20525

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.26	-53.08	-13	Vertical
1667.24	-51.41	-13	Vertical
2535.83	-44.04	-13	Vertical
2578.48	-44.17	-13	Vertical
8964.61	-39.78	-13	Vertical
9969.83	-36.48	-13	Vertical

Channel 20600

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.51	-53.44	-13	Vertical
1668.49	-51.70	-13	Vertical
2535.22	-44.79	-13	Vertical
2577.23	-44.19	-13	Vertical
8964.67	-39.95	-13	Vertical
9970.09	-36.49	-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	19.56	0.090
Band12	QPSK	1.4	23095	1#0	19.61	0.091
Band12	QPSK	1.4	23173	1#0	19.16	0.082
Band12	16QAM	1.4	23017	1#0	18.03	0.064
Band12	16QAM	1.4	23095	1#0	18.48	0.070
Band12	16QAM	1.4	23173	1#0	18.90	0.078
Band12	64QAM	1.4	23017	1#0	18.30	0.068
Band12	64QAM	1.4	23095	1#0	18.30	0.068
Band12	64QAM	1.4	23173	1#0	18.03	0.063
Band12	QPSK	3	23025	1#0	19.45	0.088
Band12	QPSK	3	23095	1#0	19.29	0.085
Band12	QPSK	3	23165	1#0	19.24	0.084
Band12	16QAM	3	23025	1#0	18.96	0.079
Band12	16QAM	3	23095	1#0	17.85	0.061
Band12	16QAM	3	23165	1#0	18.85	0.077
Band12	64QAM	3	23025	1#0	18.63	0.073
Band12	64QAM	3	23095	1#0	18.03	0.064
Band12	64QAM	3	23165	1#0	18.18	0.066
Band12	QPSK	5	23035	1#0	19.12	0.082
Band12	QPSK	5	23095	1#0	19.48	0.089
Band12	QPSK	5	23155	1#0	19.12	0.082
Band12	16QAM	5	23035	1#0	18.22	0.066
Band12	16QAM	5	23095	1#0	18.56	0.072
Band12	16QAM	5	23155	1#0	18.91	0.078
Band12	64QAM	5	23035	1#0	18.29	0.067
Band12	64QAM	5	23095	1#0	18.47	0.070
Band12	64QAM	5	23155	1#0	18.79	0.076
Band12	QPSK	10	23060	1#0	18.30	0.068
Band12	QPSK	10	23095	1#0	19.14	0.082
Band12	QPSK	10	23130	1#0	19.23	0.084
Band12	16QAM	10	23060	1#0	18.25	0.067
Band12	16QAM	10	23095	1#0	18.75	0.075
Band12	16QAM	10	23130	1#0	18.11	0.065
Band12	64QAM	10	23060	1#0	18.55	0.072
Band12	64QAM	10	23095	1#0	18.16	0.066
Band12	64QAM	10	23130	1#0	18.19	0.066

Test result:

Channel 23060

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.63	-53.27	-13	Vertical
1668.21	-51.63	-13	Vertical
2535.63	-44.72	-13	Vertical
2576.58	-43.71	-13	Vertical
8964.26	-39.67	-13	Vertical
9973.18	-36.15	-13	Vertical

Channel 23095

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1646.53	-53.46	-13	Vertical
1664.98	-51.01	-13	Vertical
2533.34	-44.13	-13	Vertical
2576.61	-43.72	-13	Vertical
8963.18	-39.09	-13	Vertical
9970.94	-36.05	-13	Vertical

Channel 23130

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.82	-53.30	-13	Vertical
1664.94	-50.93	-13	Horizontal
2535.80	-44.53	-13	Vertical
2575.63	-44.17	-13	Vertical
8961.61	-39.42	-13	Vertical
9973.18	-36.27	-13	Vertical

LTE band 13

Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band13	QPSK	5	23205	1#0	18.93	0.078
Band13	QPSK	5	23230	1#0	19.36	0.086
Band13	QPSK	5	23255	1#0	19.61	0.091
Band13	16QAM	5	23205	1#0	19.16	0.082
Band13	16QAM	5	23230	1#0	19.01	0.080
Band13	16QAM	5	23255	1#0	18.36	0.069
Band13	64QAM	5	23205	1#0	18.43	0.070
Band13	64QAM	5	23230	1#0	18.89	0.077
Band13	64QAM	5	23255	1#0	18.39	0.069
Band13	QPSK	10	23230	1#0	19.91	0.098
Band13	16QAM	10	23230	1#0	18.02	0.063
Band13	64QAM	10	23230	1#0	18.58	0.072

Test result:

Channel 23205

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.01	-52.91	-13	Vertical
1664.80	-50.81	-13	Vertical
2533.75	-44.38	-13	Vertical
2576.20	-43.92	-13	Vertical
8961.72	-39.70	-13	Vertical
9972.77	-36.06	-13	Vertical

Channel 23230

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1646.74	-53.33	-13	Vertical
1664.84	-51.64	-13	Vertical
2533.89	-43.96	-13	Vertical
2576.37	-44.35	-13	Vertical
8961.90	-39.59	-13	Vertical
9971.80	-36.69	-13	Vertical

Channel 23255

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.39	-53.24	-13	Vertical
1665.95	-51.55	-13	Vertical
2534.87	-44.19	-13	Vertical
2578.64	-43.91	-13	Vertical
8961.30	-39.52	-13	Vertical
9970.06	-36.19	-13	Vertical

LTE band 17

Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band17	QPSK	5	23755	1#0	19.11	0.081
Band17	QPSK	5	23790	1#0	18.82	0.076
Band17	QPSK	5	23825	1#0	19.36	0.086
Band17	16QAM	5	23755	1#0	18.80	0.076
Band17	16QAM	5	23790	1#0	18.47	0.070
Band17	16QAM	5	23825	1#0	19.33	0.086
Band17	64QAM	5	23780	1#0	18.50	0.071
Band17	64QAM	5	23790	1#0	18.30	0.068
Band17	64QAM	5	23800	1#0	18.66	0.073
Band17	QPSK	10	23780	1#0	18.95	0.079
Band17	QPSK	10	23790	1#0	19.70	0.093
Band17	QPSK	10	23800	1#0	19.09	0.081
Band17	16QAM	10	23780	1#0	18.29	0.068
Band17	16QAM	10	23790	1#0	18.60	0.072
Band17	16QAM	10	23800	1#0	19.32	0.085
Band17	64QAM	10	23780	1#0	18.06	0.064
Band17	64QAM	10	23790	1#0	17.69	0.059
Band17	64QAM	10	23800	1#0	18.42	0.069

Test result:

Channel 23780

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.66	-53.49	-13	Vertical
1664.80	-51.75	-13	Vertical
2532.47	-43.96	-13	Vertical
2575.57	-44.47	-13	Vertical
8960.77	-39.76	-13	Vertical
9970.99	-35.95	-13	Vertical

Channel 23790

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1646.93	-53.45	-13	Vertical
1667.34	-50.87	-13	Vertical
2532.76	-43.95	-13	Vertical
2577.53	-43.90	-13	Vertical
8962.76	-39.08	-13	Vertical
9972.03	-36.33	-13	Vertical

Channel 23800

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.22	-52.73	-13	Vertical
1665.70	-51.03	-13	Horizontal
2533.33	-44.40	-13	Vertical
2576.40	-44.65	-13	Vertical
8962.88	-39.28	-13	Vertical
9973.02	-36.69	-13	Vertical