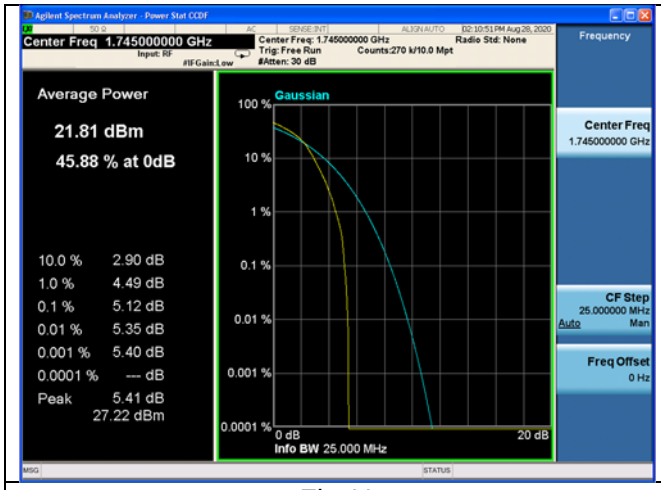

Fig.11

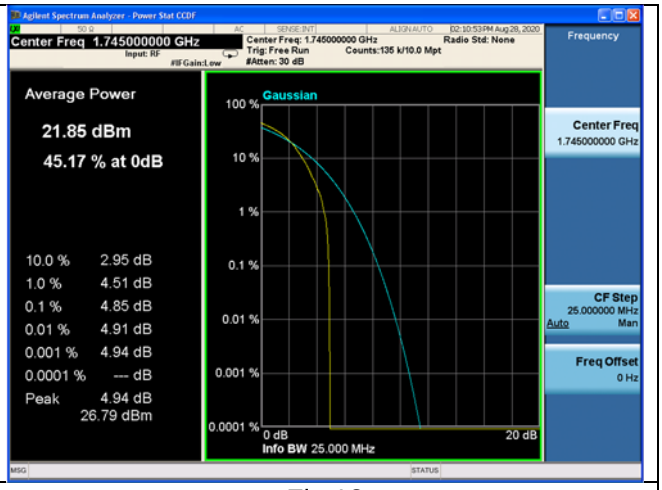

Fig.12

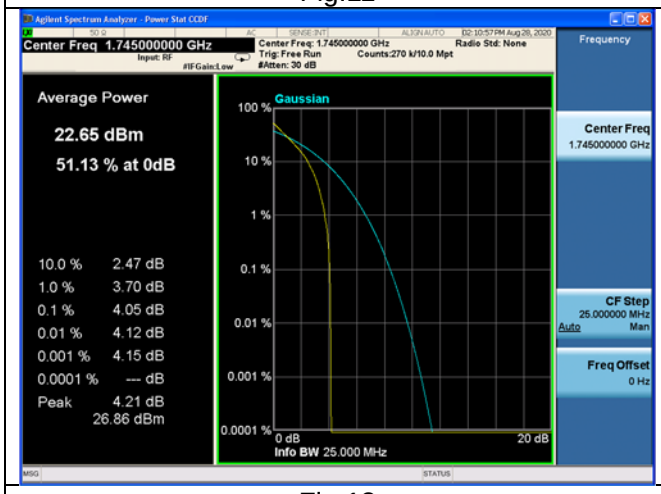

Fig.13

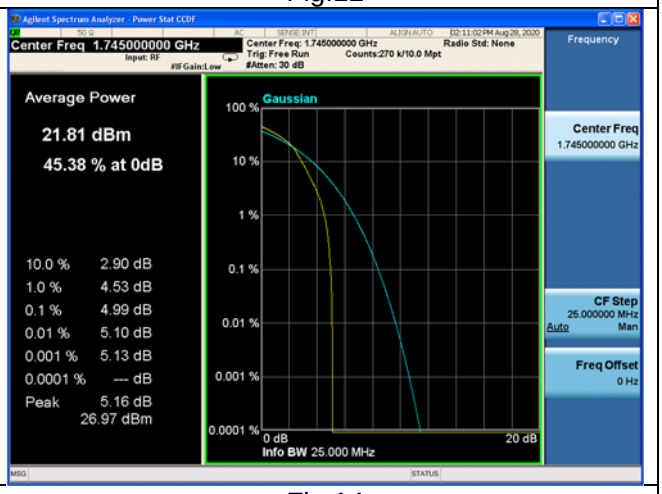

Fig.14

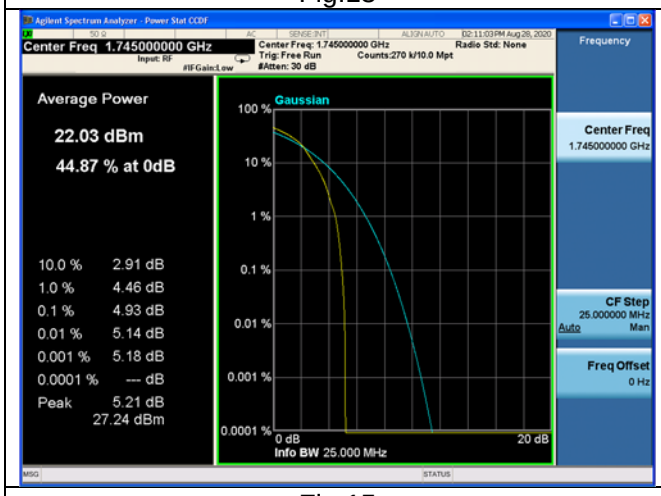

Fig.15

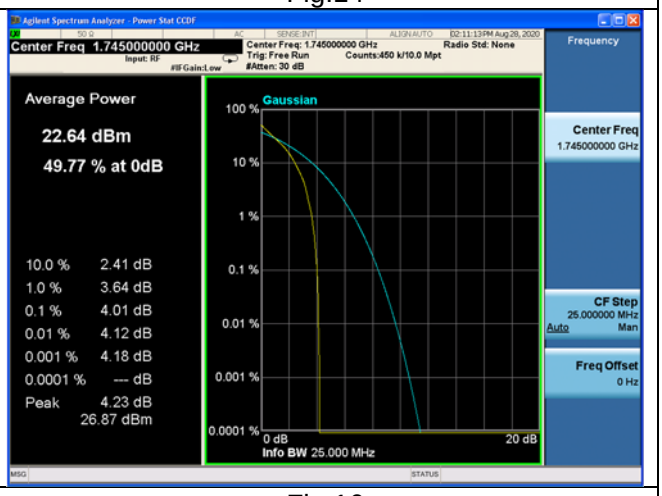

Fig.16

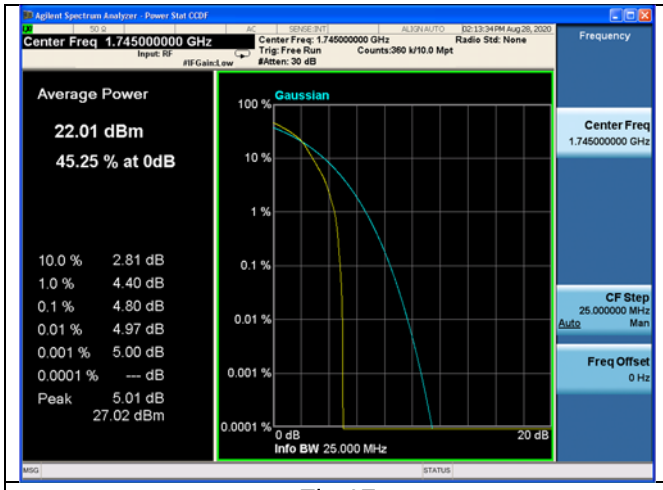
Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 1.745000000 GHz
Center Freq: 1.745000000 GHz
Trig: Free Run
Counts:360 k/10.0 Mpt
#Atten: 30 dB
Radio Std: None
Frequency
Average Power
22.01 dBm
45.25 % at 0dB
10.0 % 2.81 dB
1.0 % 4.40 dB
0.1 % 4.80 dB
0.01 % 4.97 dB
0.001 % 5.00 dB
0.0001 % --- dB
Peak 5.01 dB
27.02 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
1.745000000 GHz
CF Step
25.000000 MHz
Auto Man
Freq Offset
0 Hz

Fig.17

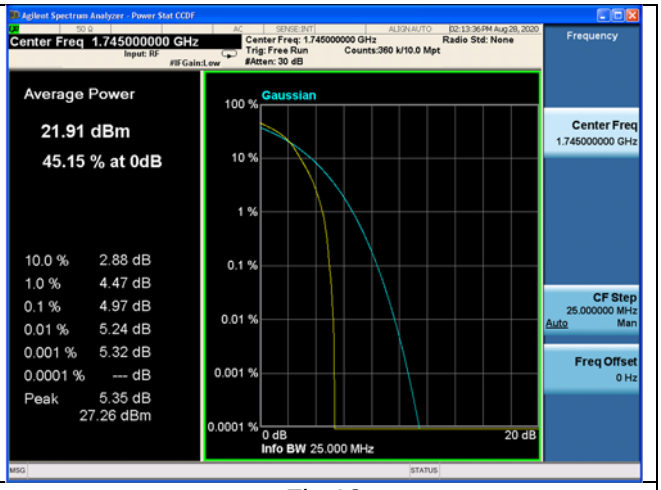
Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 1.745000000 GHz
Center Freq: 1.745000000 GHz
Trig: Free Run
Counts:360 k/10.0 Mpt
#Atten: 30 dB
Radio Std: None
Frequency
Average Power
21.91 dBm
45.15 % at 0dB
10.0 % 2.88 dB
1.0 % 4.47 dB
0.1 % 4.97 dB
0.01 % 5.24 dB
0.001 % 5.32 dB
0.0001 % --- dB
Peak 5.35 dB
27.26 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
1.745000000 GHz
CF Step
25.000000 MHz
Auto Man
Freq Offset
0 Hz

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.1-2
	1745	132322	20	1	0	Fig.3-4
	1770	132572	20	1	0	Fig.5-6

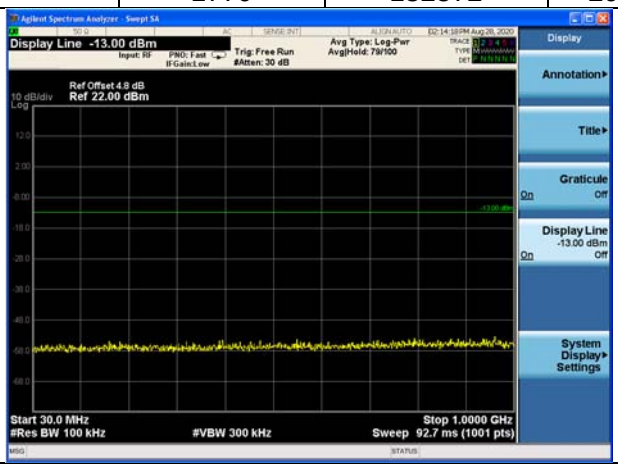

Fig.1

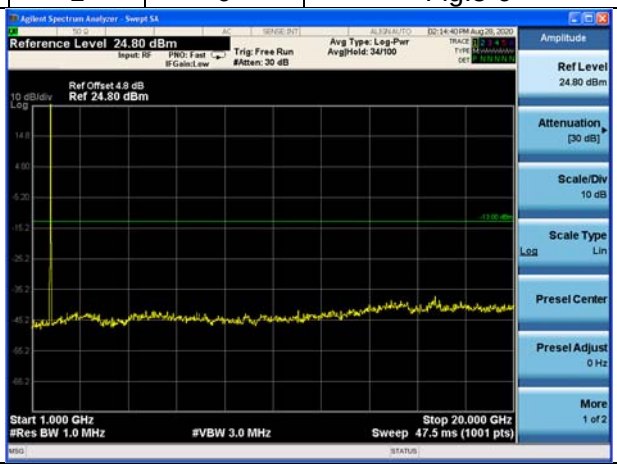

Fig.2

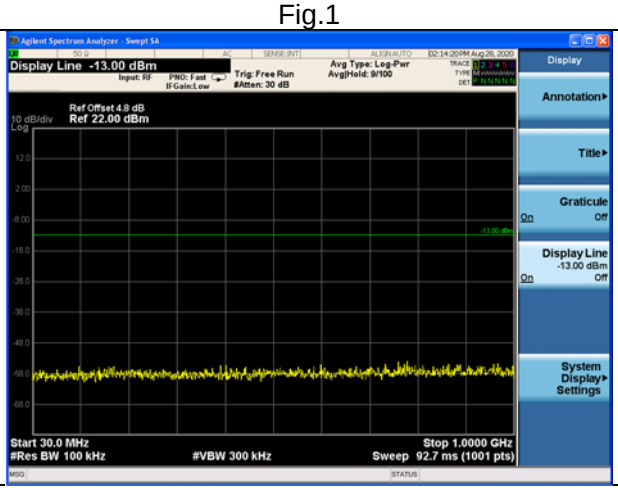

Fig3

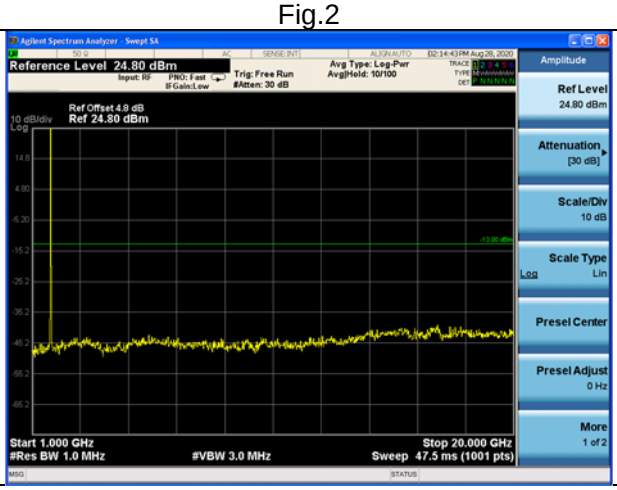

Fig4

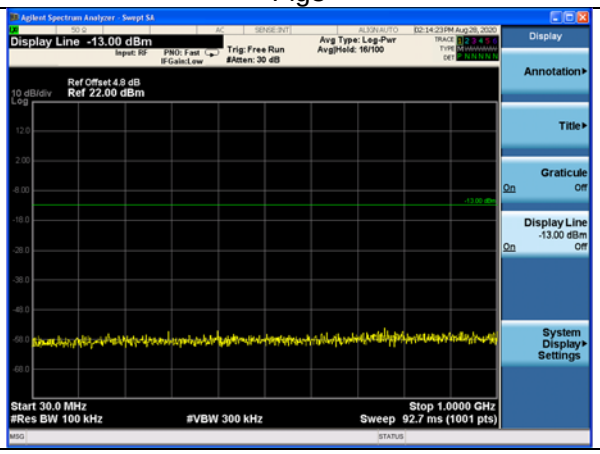

Fig5

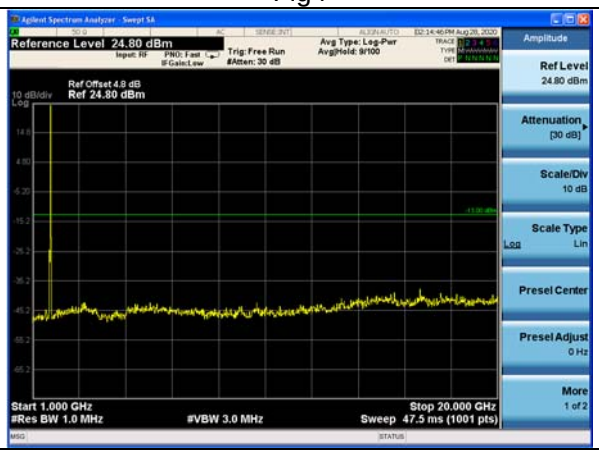

Fig6

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
	1720	132072	20	1	0	Fig.21
				100	0	Fig.22
	1770	132572		1	99	Fig.23
				100	0	Fig.24

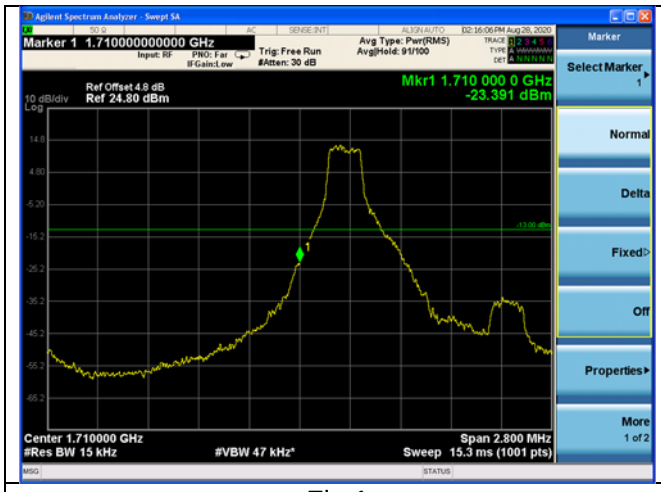

Fig.1

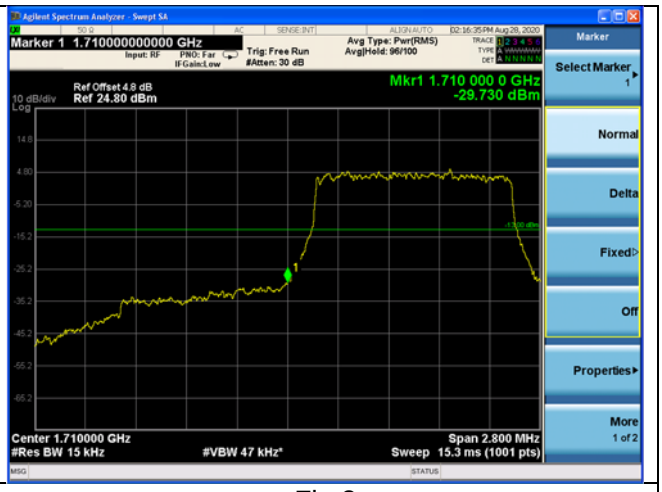

Fig.2

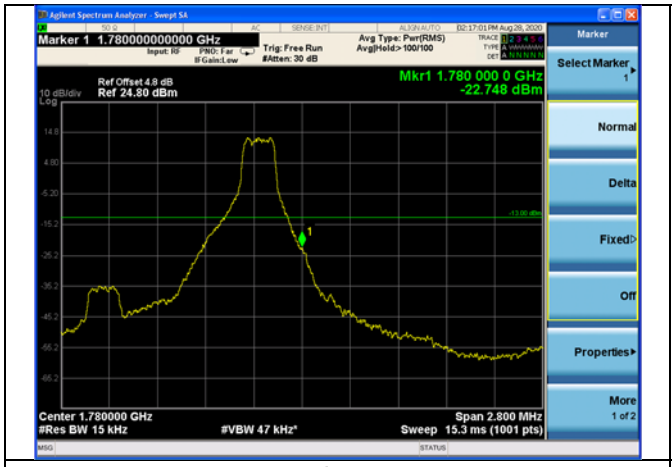

Fig.3

Fig.4

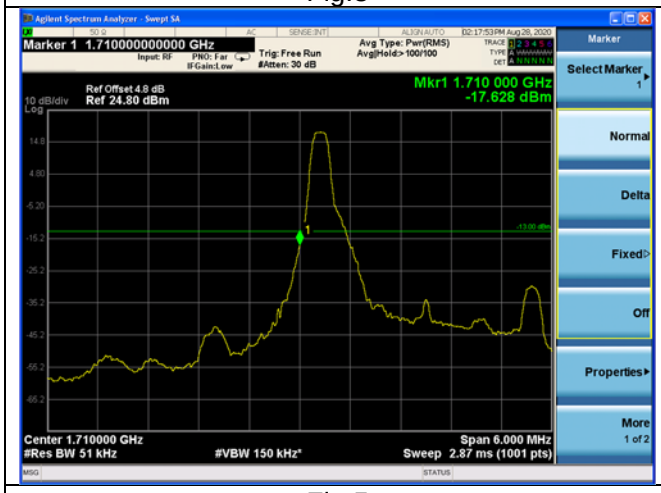

Fig.5

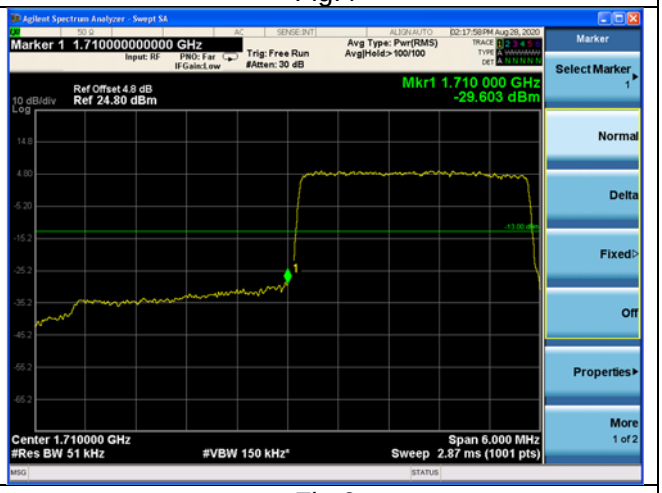

Fig.6

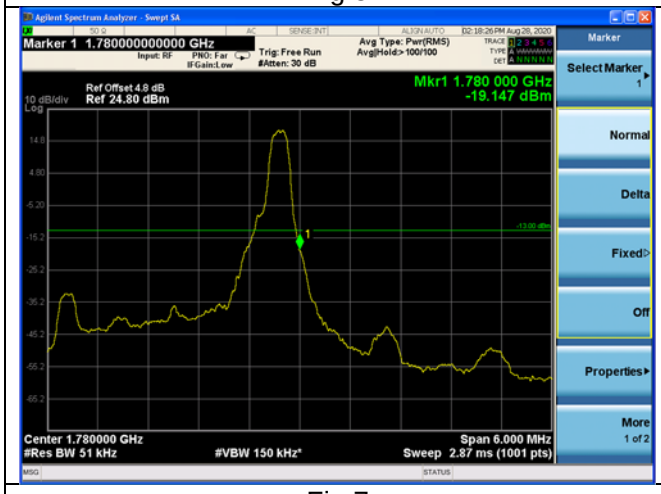

Fig.7

Fig.8

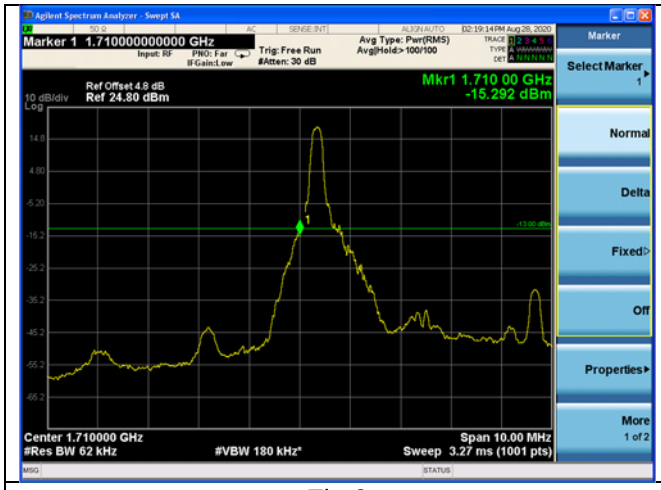

Fig.9

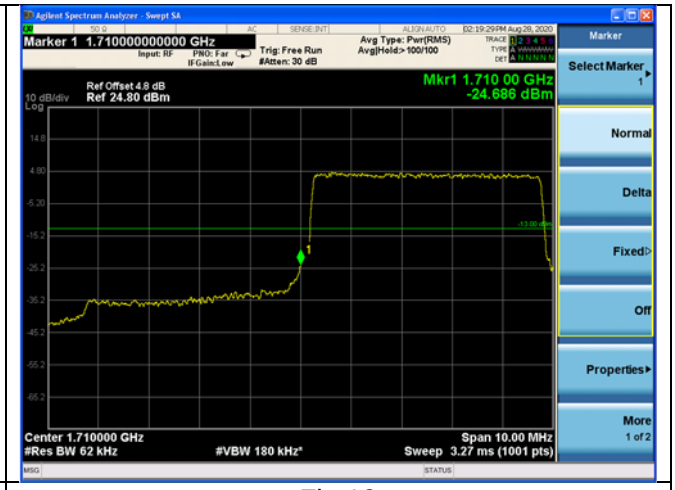

Fig.10

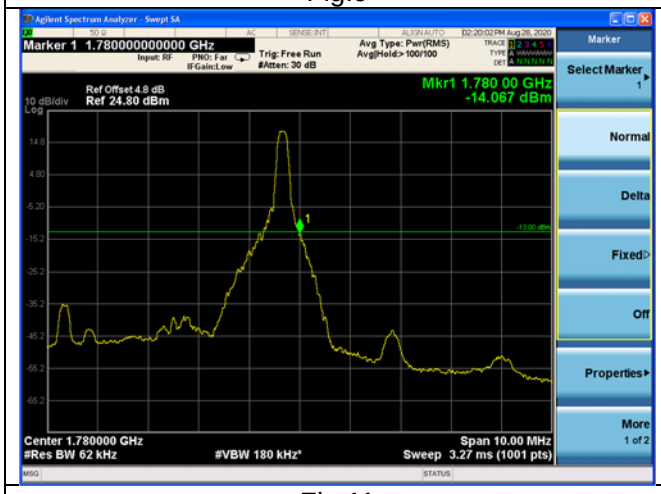

Fig.11

Fig.12

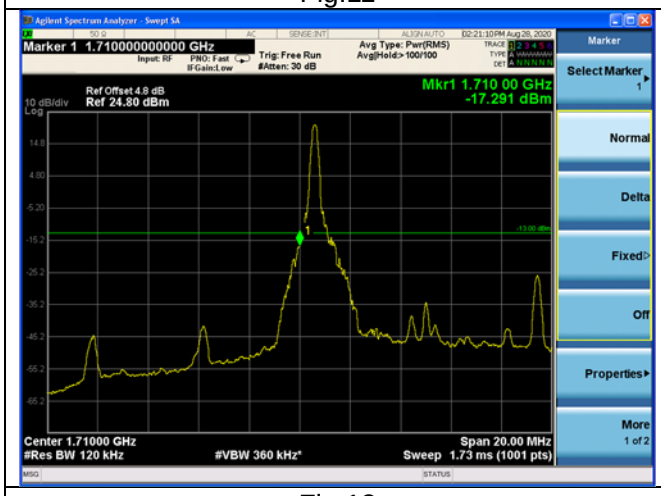

Fig.13

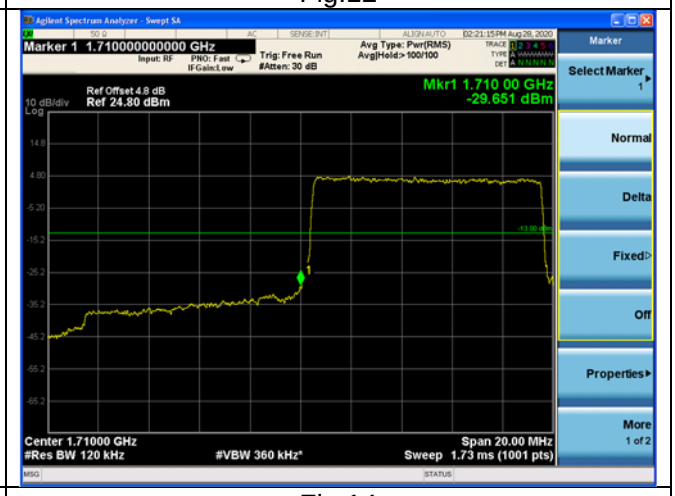

Fig.14

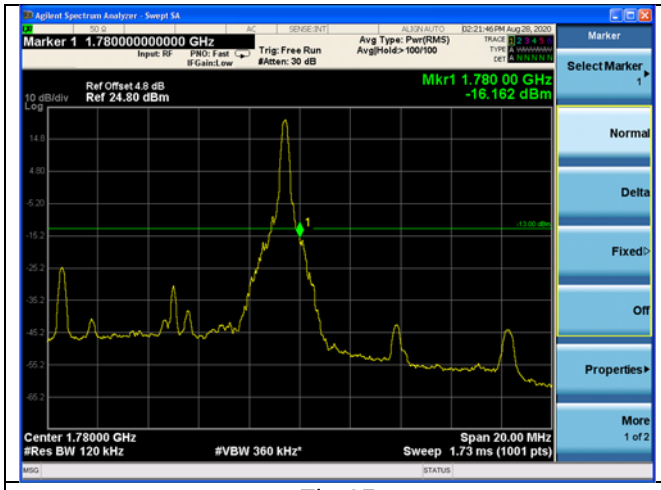

Fig.15

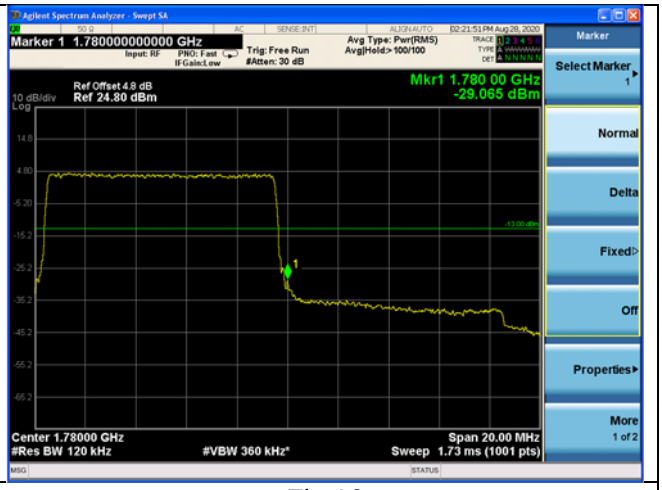

Fig.16

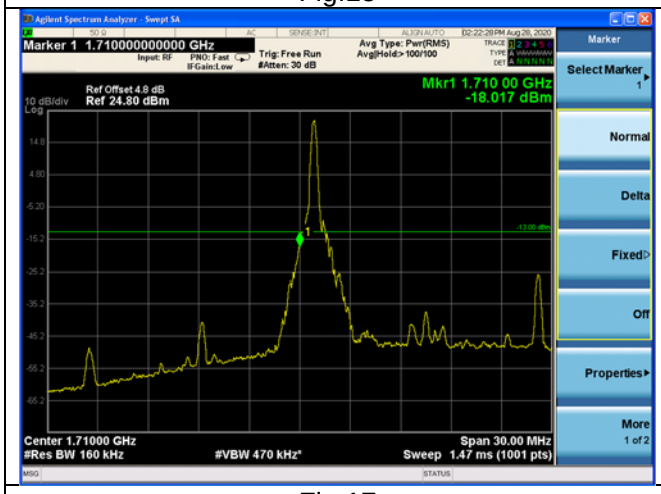

Fig.17

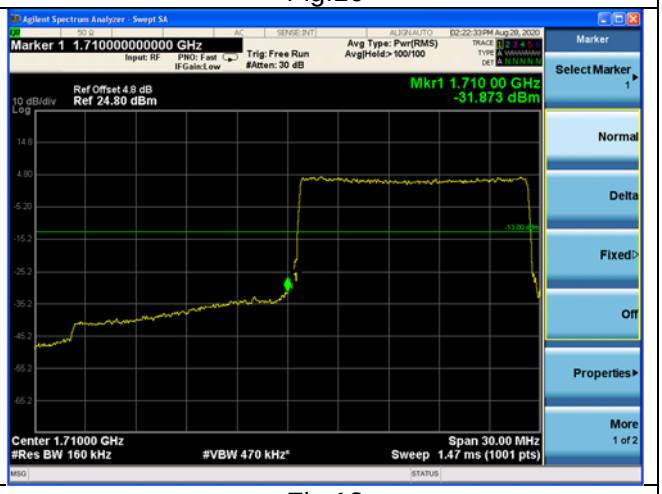

Fig.18

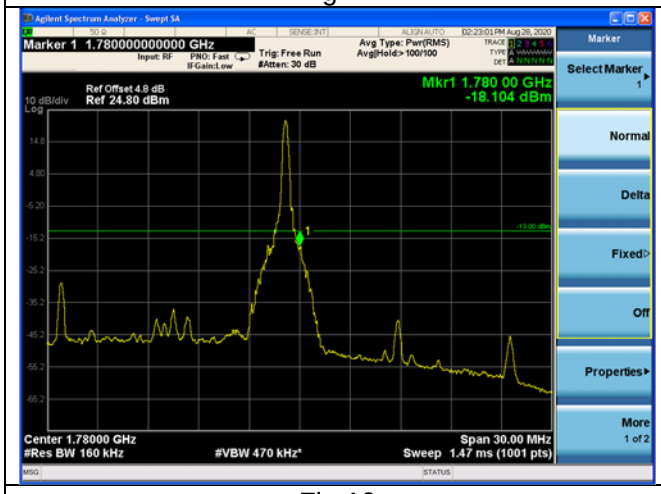

Fig.19

Fig.20

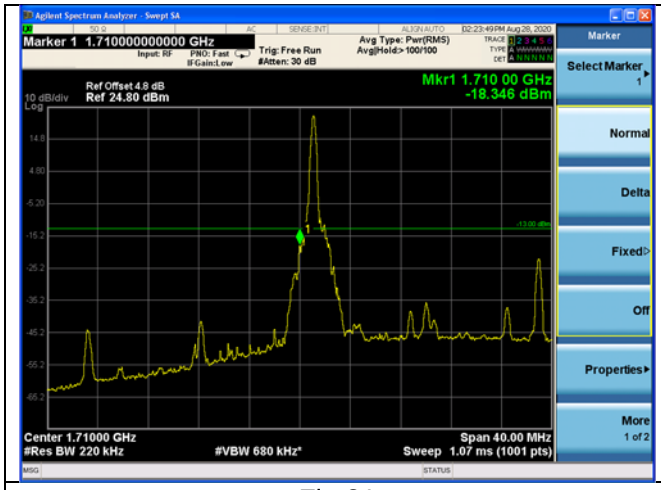

Fig.21

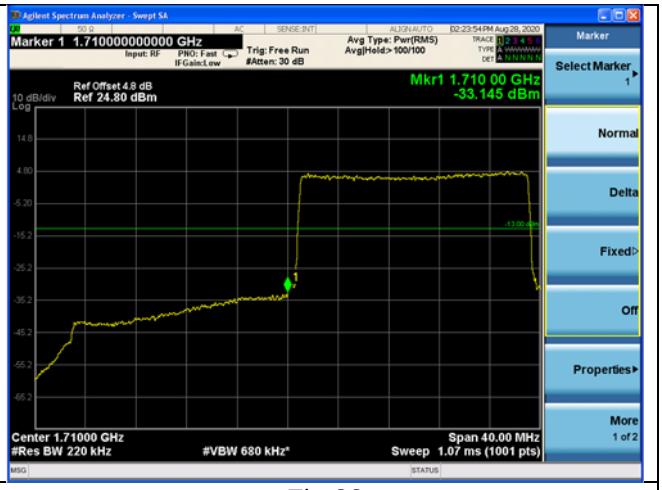

Fig.22

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
-10	NV	-0.011	-0.060	-0.068	-0.004	0.093	-0.016
0	NV	0.081	0.028	-0.050	0.064	-0.028	0.097
+10	NV	0.017	0.047	-0.085	0.057	-0.100	-0.024
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	0.070	0.027	0.056	0.084	-0.015	-0.029
+40	NV	0.073	-0.072	-0.006	0.070	-0.023	0.077
+50	NV	-0.021	-0.042	-0.013	-0.041	0.091	-0.082
+55	NV	-0.071	-0.032	-0.025	0.000	0.010	-0.079
+20	LV	0.096	-0.069	0.083	0.022	0.022	0.015
+20	HV	-0.088	0.033	0.035	0.078	0.071	-0.025

Temperature(°C)	Voltage	Test Result (ppm) Band66 High Channel					
		1.4M	3M	5M	10M	15M	20M
-10	NV	0.029	0.013	-0.018	0.044	0.041	-0.097
0	NV	0.012	-0.021	-0.004	-0.031	0.036	-0.037
+10	NV	-0.083	0.032	0.048	0.013	0.014	-0.004
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	0.001	-0.026	0.090	-0.068	0.054	-0.047
+40	NV	-0.077	-0.070	-0.018	-0.088	0.096	-0.037
+50	NV	0.090	0.041	-0.033	0.020	0.006	0.001
+55	NV	-0.062	-0.061	0.005	-0.031	-0.072	0.064
+20	LV	0.068	0.034	0.057	-0.026	-0.049	-0.021
+20	HV	0.005	-0.041	0.029	-0.096	-0.056	0.088