



Fig.55

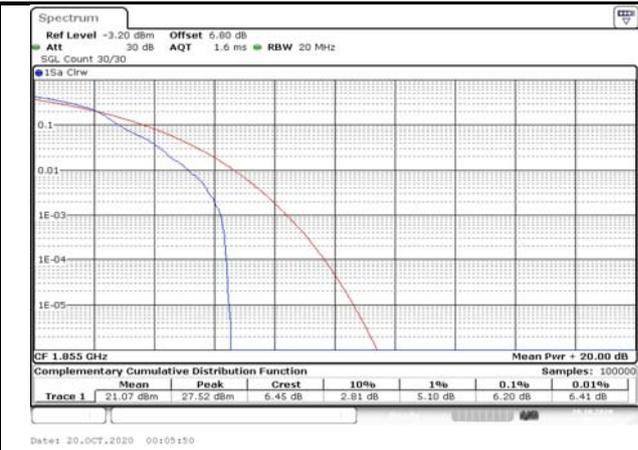


Fig.56

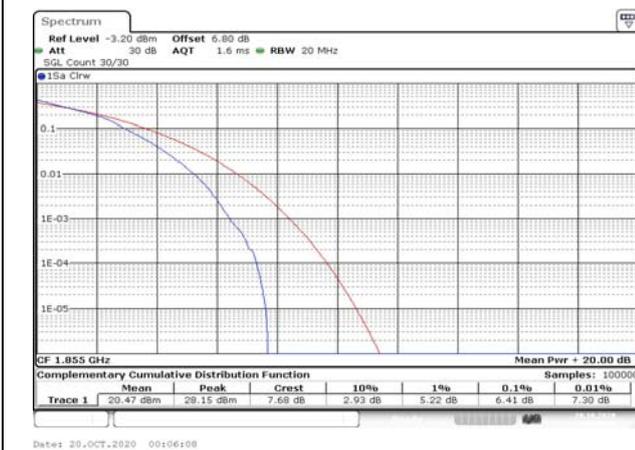


Fig.57

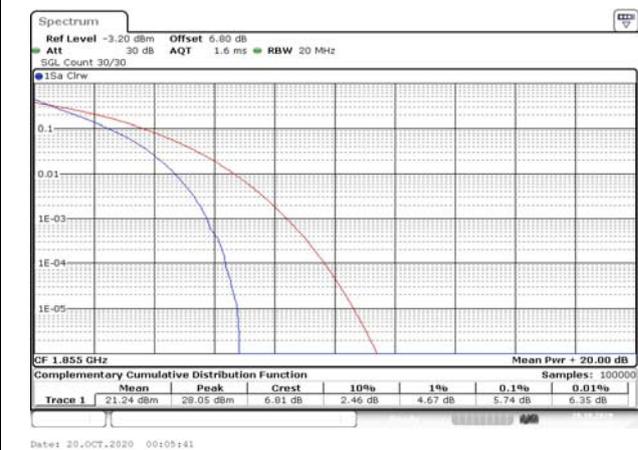


Fig.58

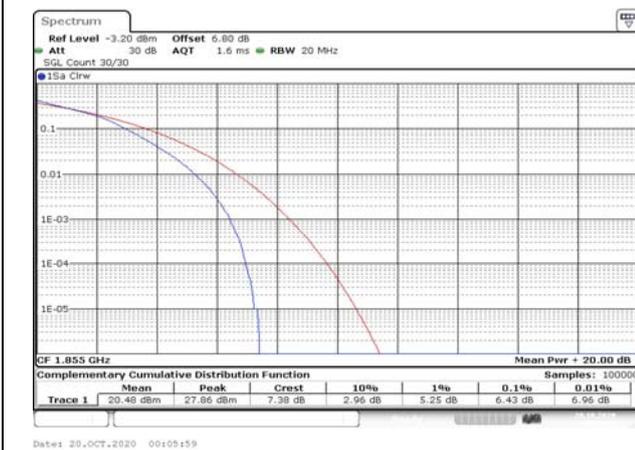


Fig.59

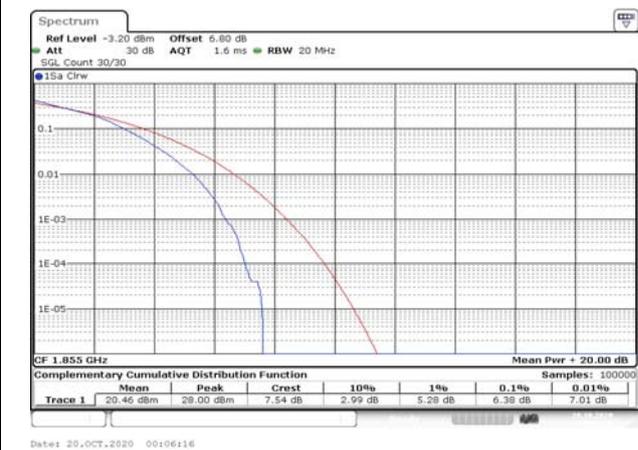


Fig.60



Fig.61

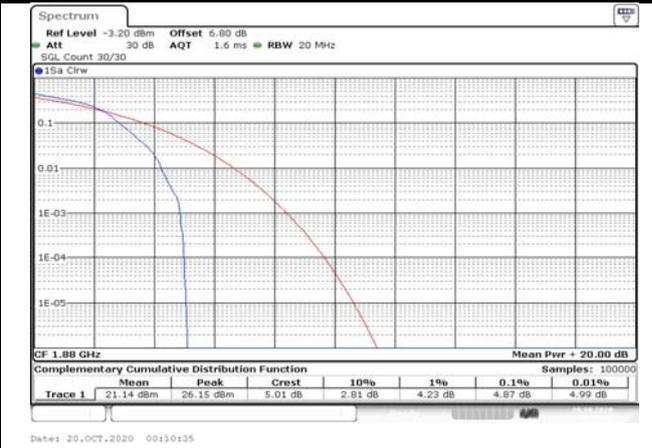


Fig.62

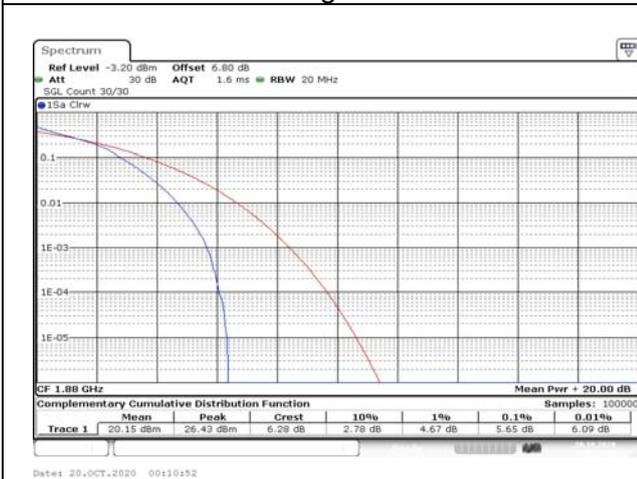


Fig.63

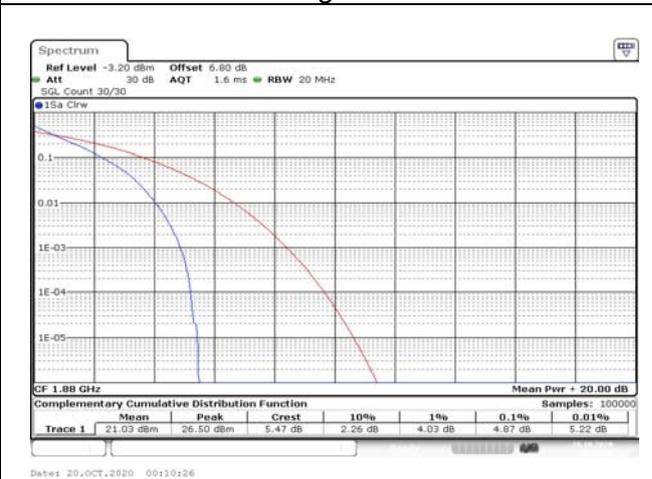


Fig.64

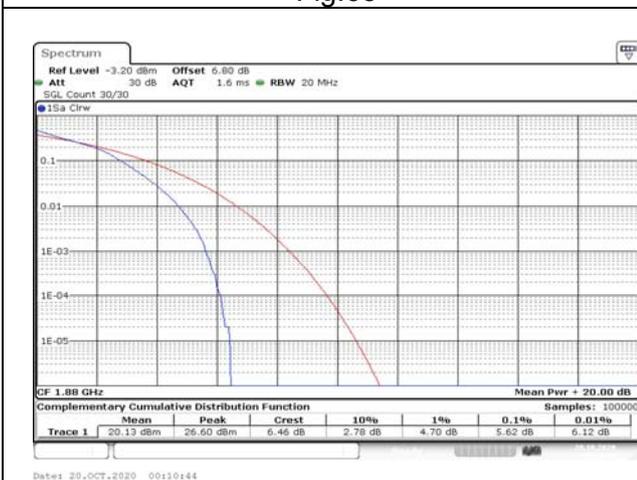


Fig.65

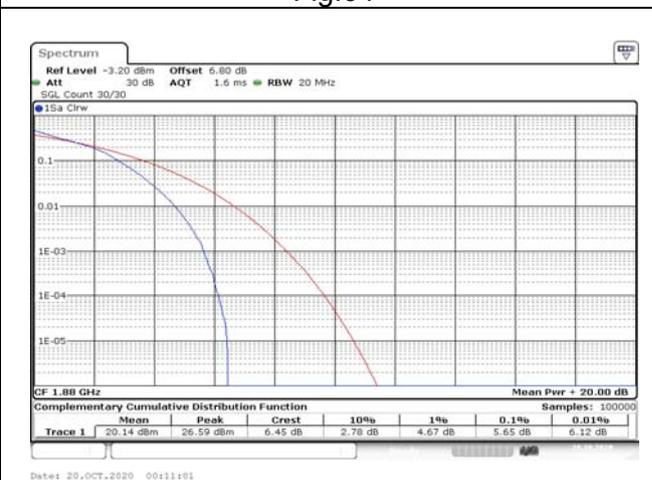


Fig.66

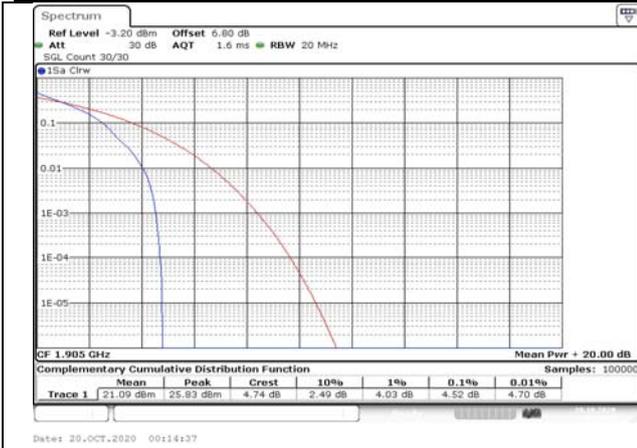


Fig.67



Fig.68

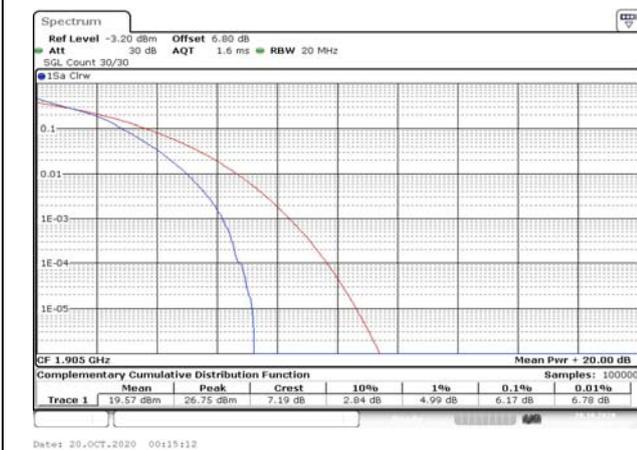


Fig.69

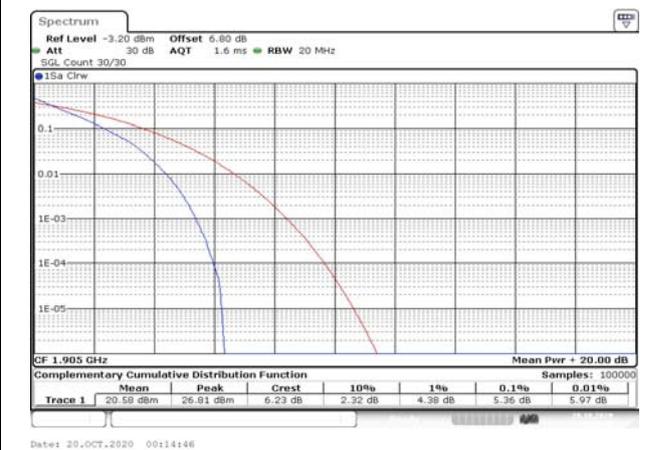


Fig.70

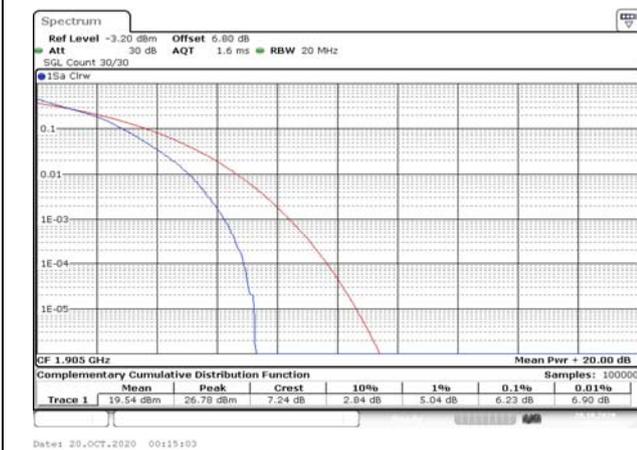


Fig.71

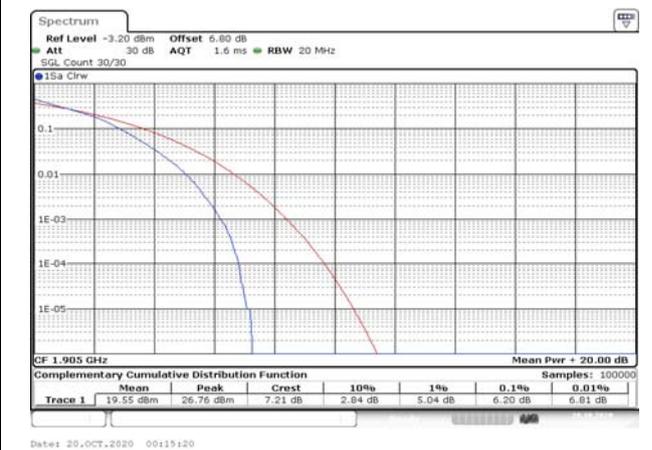


Fig.72



Fig.73



Fig.74

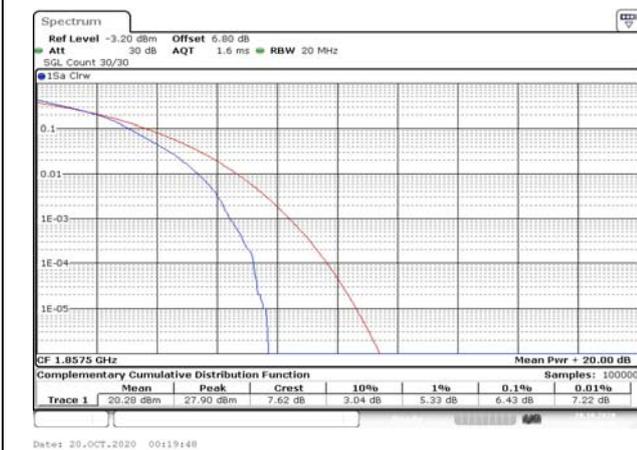


Fig.75

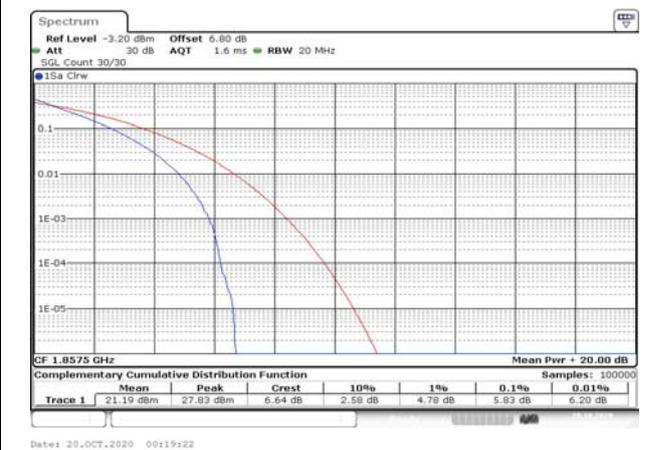


Fig.76

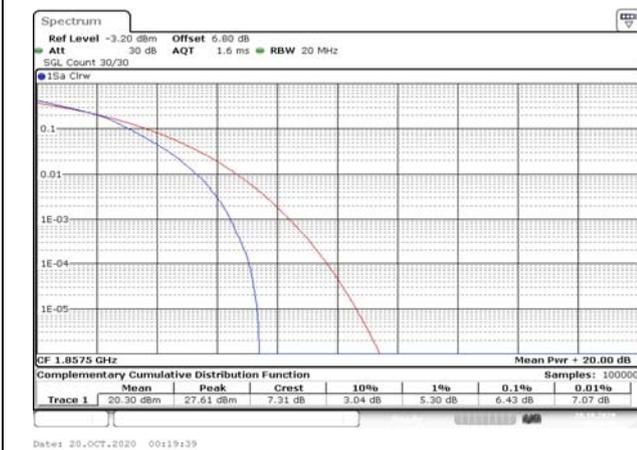


Fig.77

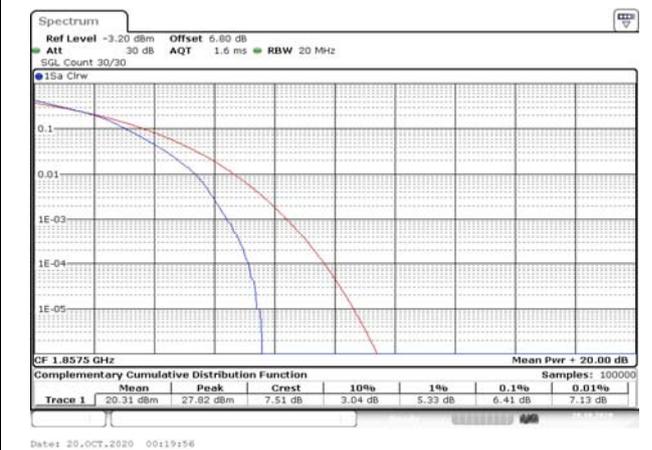


Fig.78



Fig.79

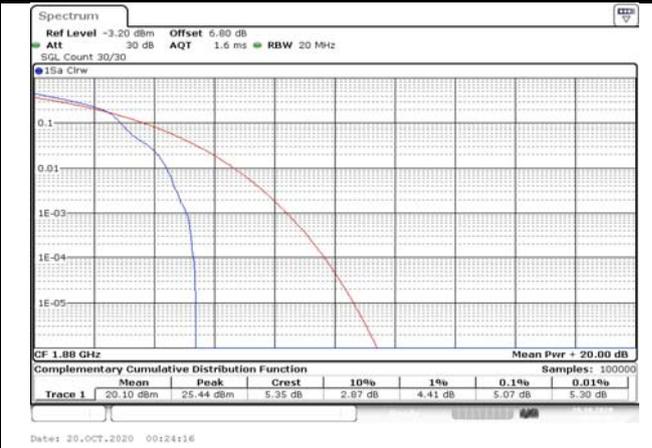


Fig.80

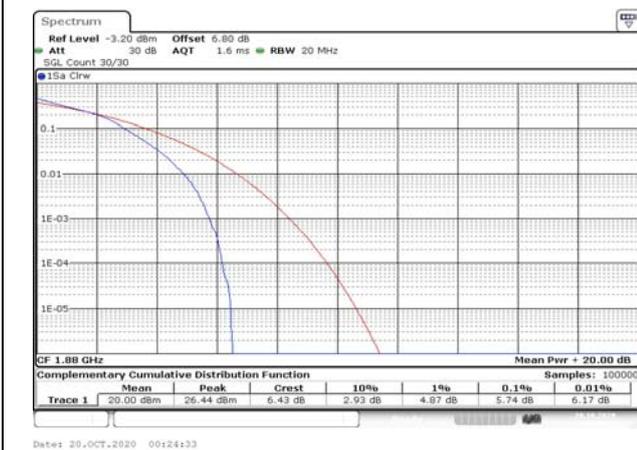


Fig.81

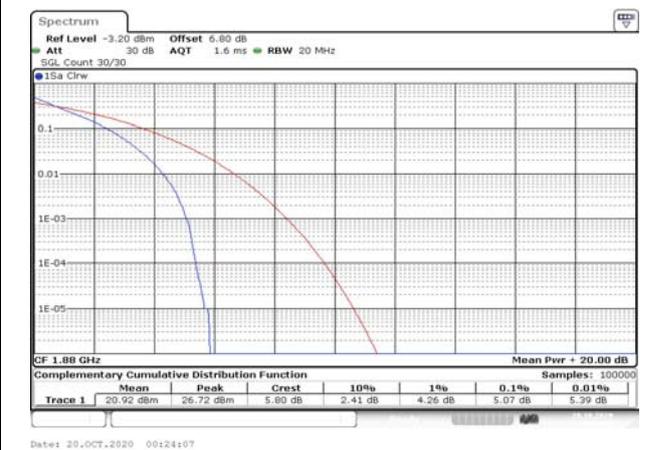


Fig.82

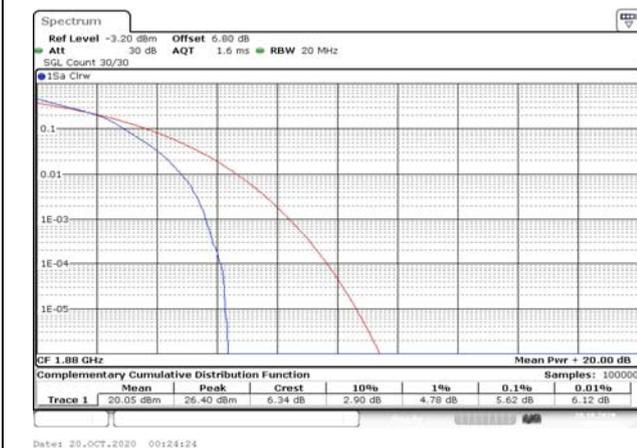


Fig.83

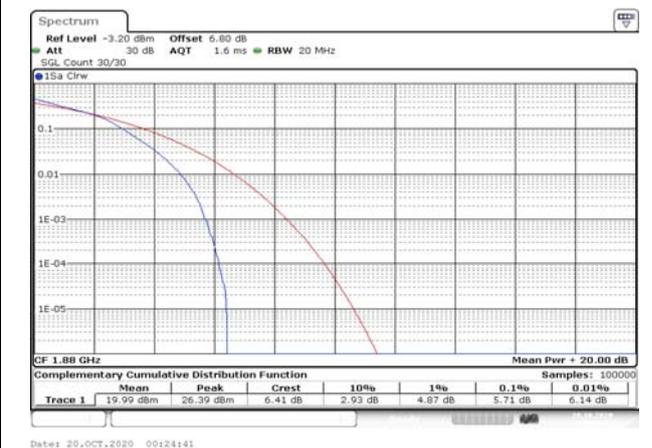


Fig.84



Fig.85



Fig.86

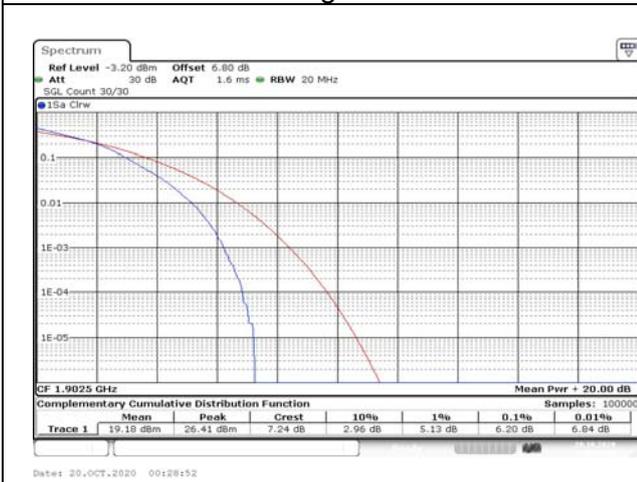


Fig.87

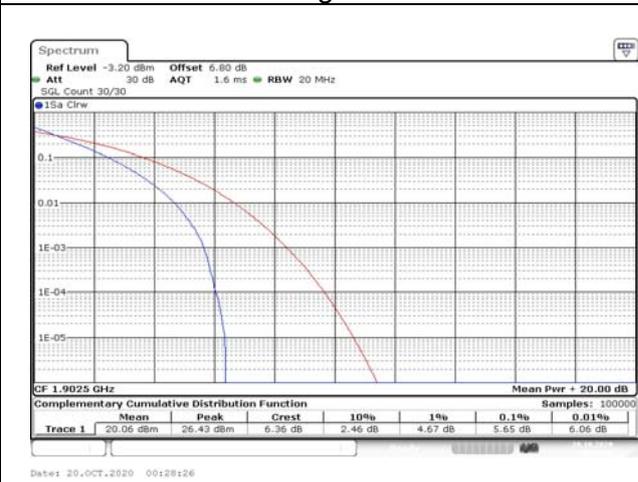


Fig.88

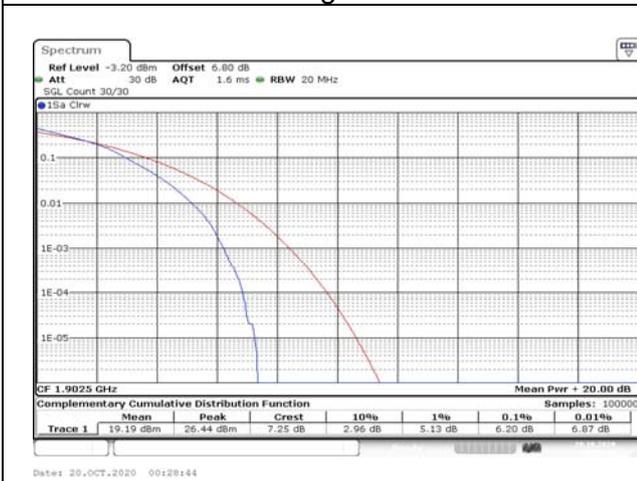


Fig.89

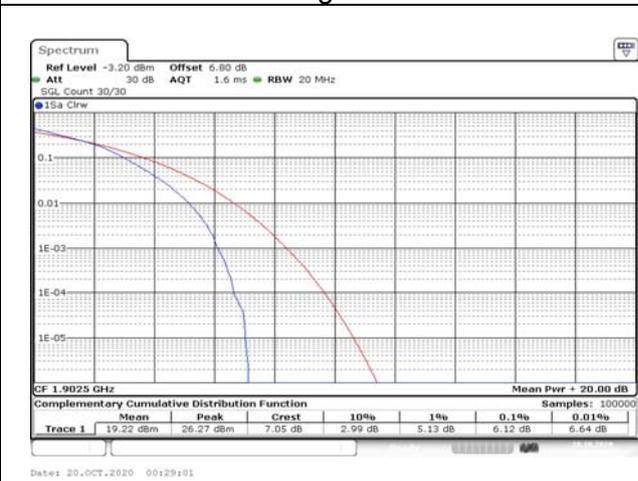


Fig.90



Fig.91

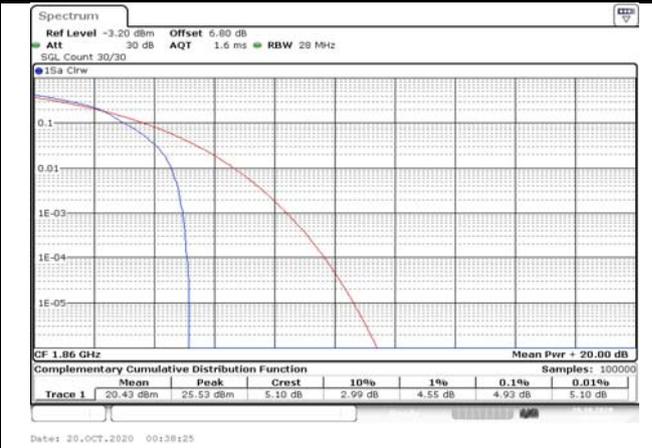


Fig.92

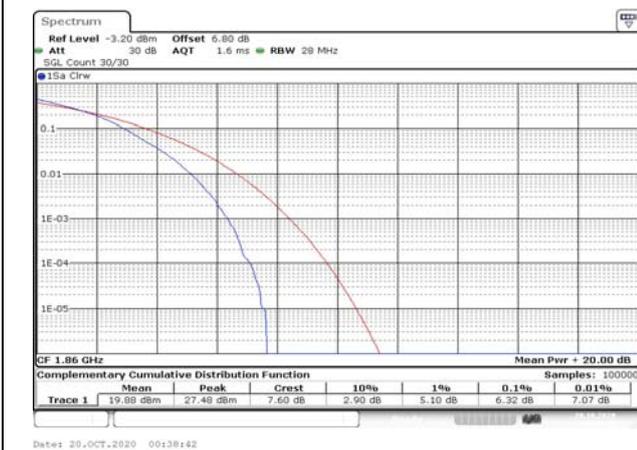


Fig.93

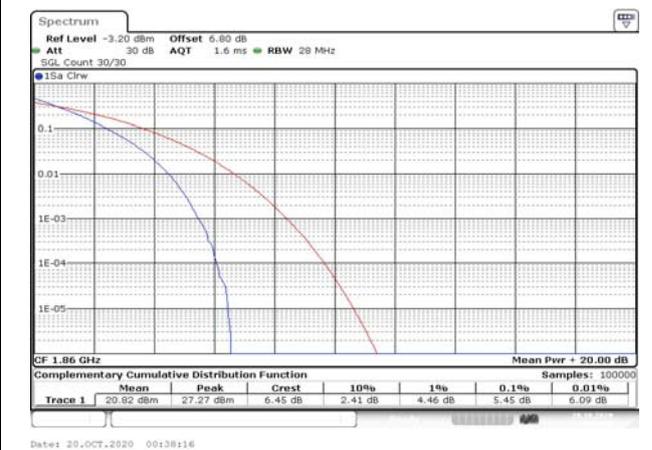


Fig.94

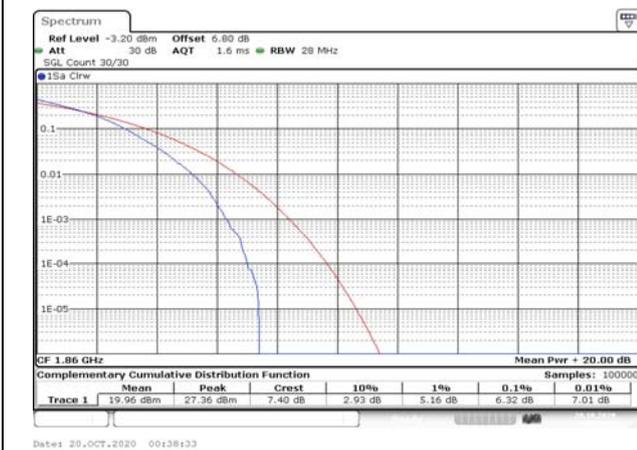


Fig.95

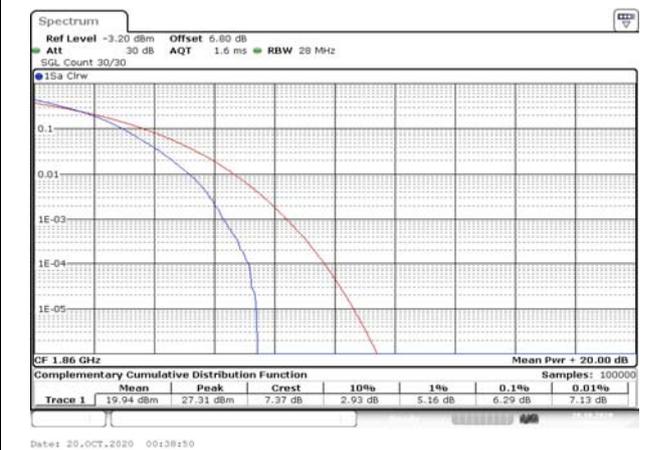


Fig.96



Fig.97



Fig.98

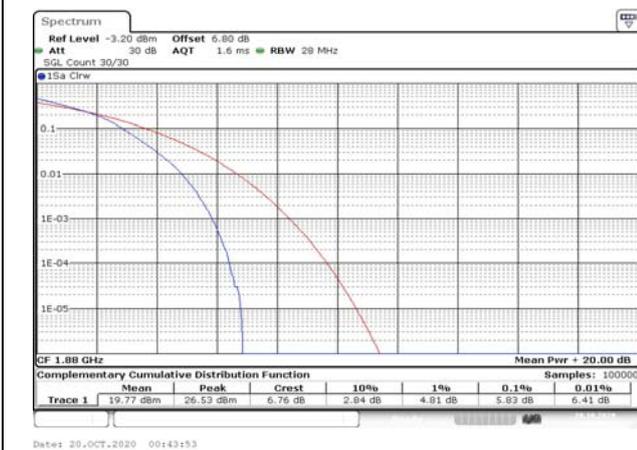


Fig.99

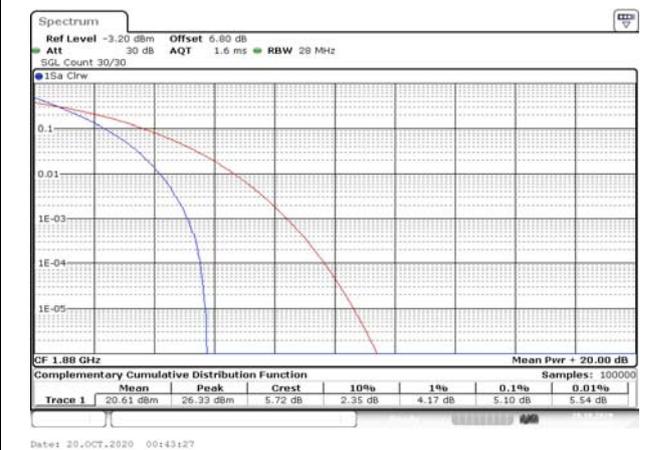


Fig.100

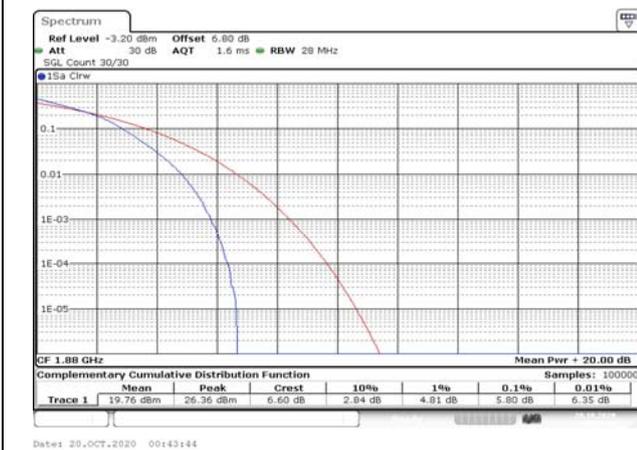


Fig.101

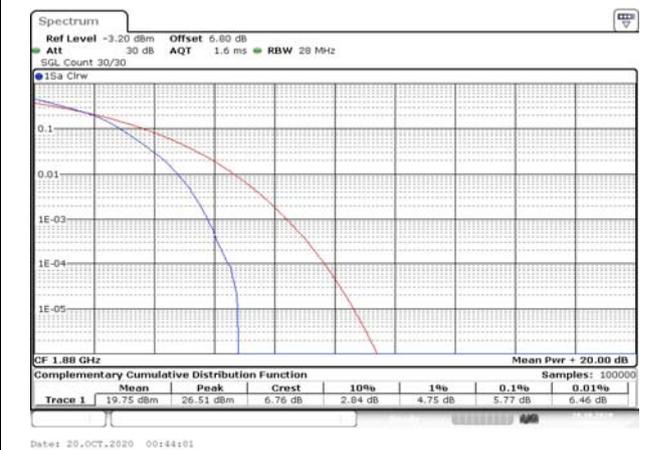


Fig.102

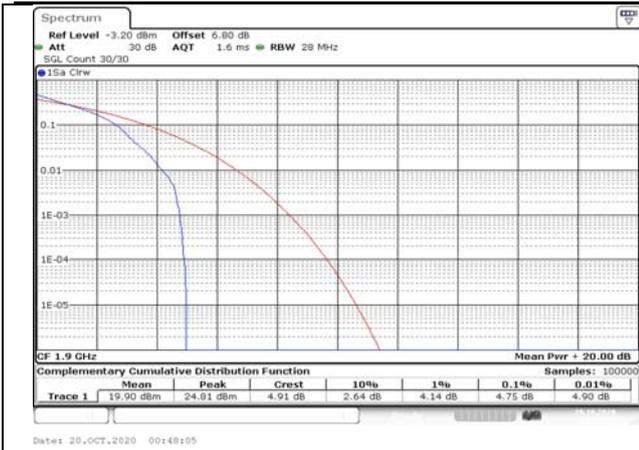


Fig.103



Fig.104



Fig.105

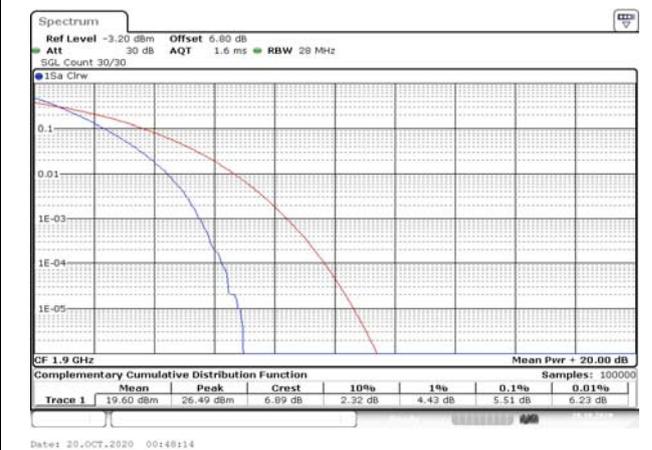


Fig.106

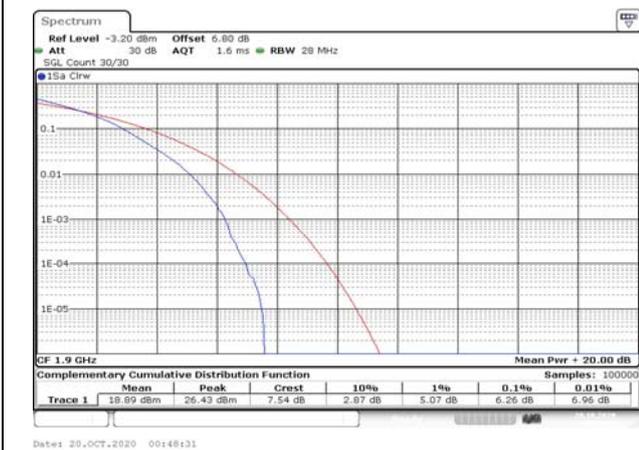


Fig.107

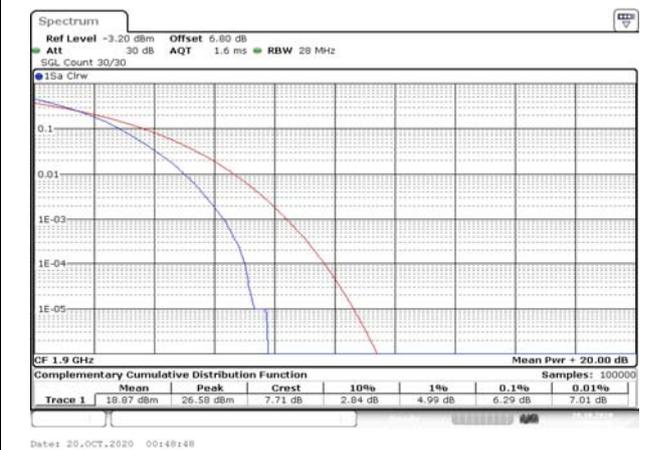


Fig.108

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
2	1860	18700	20	1	0	Fig.1-2
	1880	18900	20	1	0	Fig.3-4
	1900	19100	20	1	0	Fig.5-6

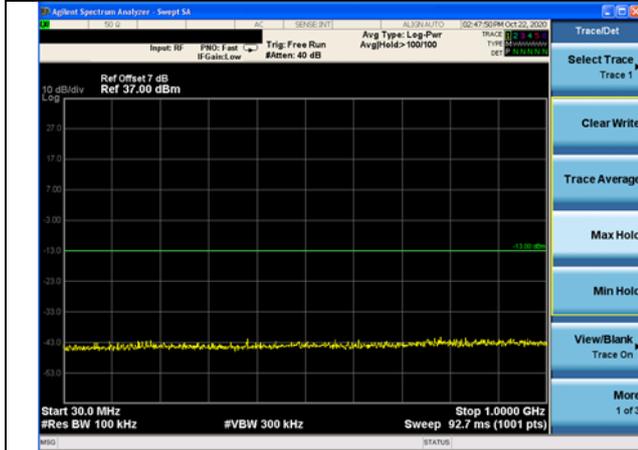


Fig.1

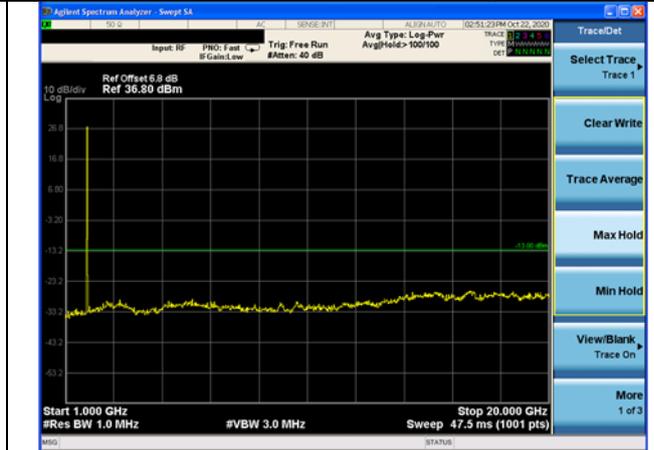


Fig.2

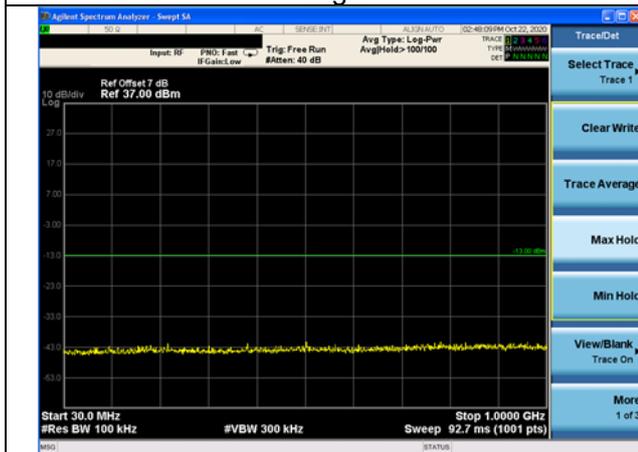


Fig3



Fig4

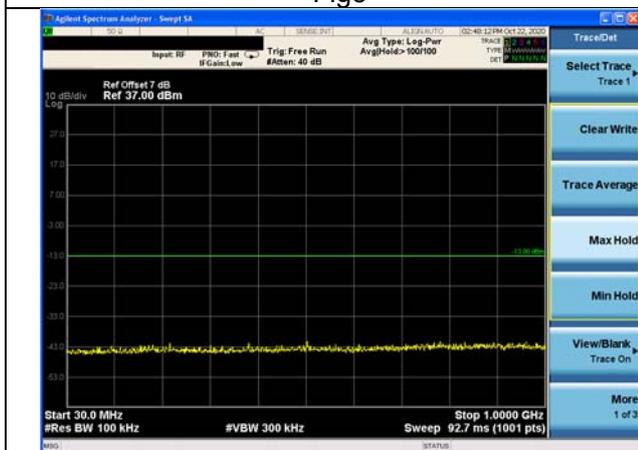


Fig5

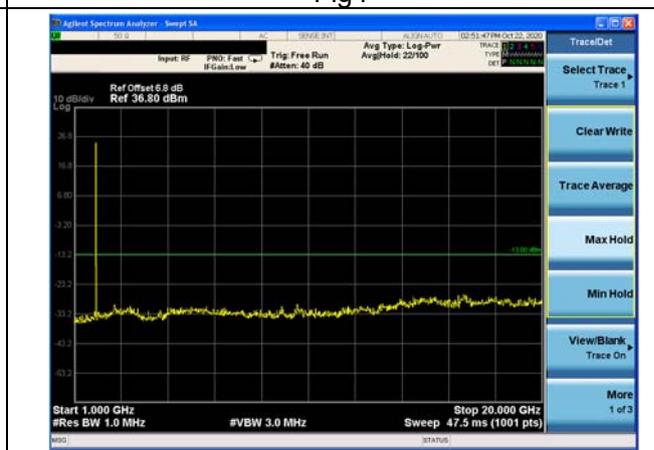


Fig6

6 Band Edges Compliance

Test result

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot		
						QPSK		
2	1850.7	18607	1.4	1	0	Fig.1		
				6	0	Fig.2		
	1909.3	19193		1	5	Fig.3		
				6	0	Fig.4		
	1851.5	18615	3	1	0	Fig.5		
				15	0	Fig.6		
				1908.5	19185	1	14	Fig.7
						15	0	Fig.8
	1852.5	18625	5	1	0	Fig.9		
				25	0	Fig.10		
				1907.5	19175	1	24	Fig.11
						25	0	Fig.12
	1855	18650	10	1	0	Fig.13		
				50	0	Fig.14		
				1905	19150	1	49	Fig.15
						50	0	Fig.16
	1857.5	18675	15	1	0	Fig.17		
				75	0	Fig.18		
				1902.5	19125	1	74	Fig.19
						75	0	Fig.20
	1860	18700	20	1	0	Fig.21		
				100	0	Fig.22		
				1900	19100	1	99	Fig.23
						100	0	Fig.24



Fig.1

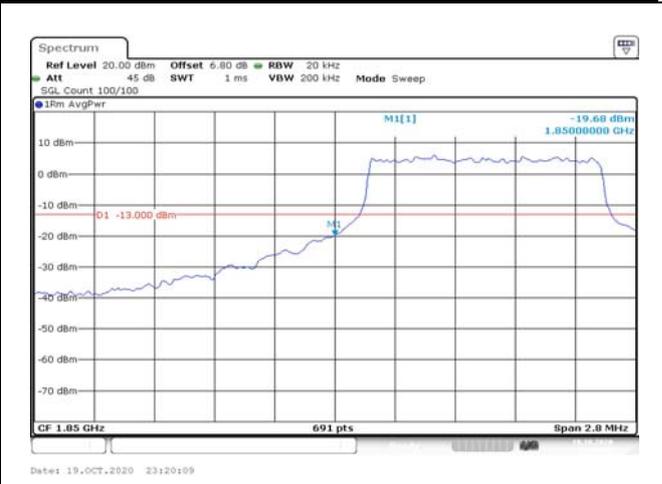


Fig.2



Fig.3



Fig.4



Fig.5

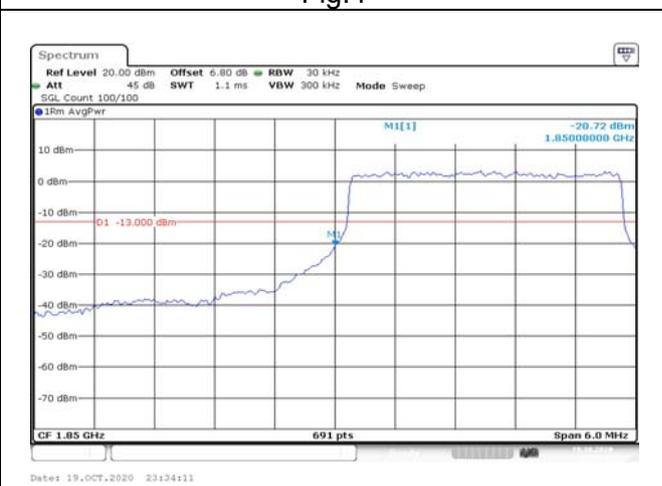


Fig.6



Fig.7



Fig.8

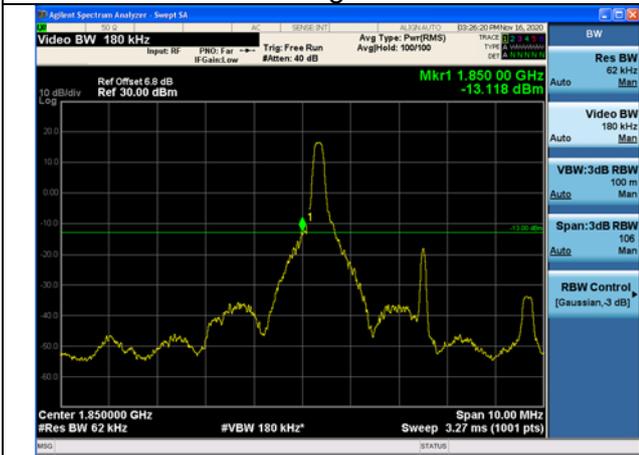


Fig.9

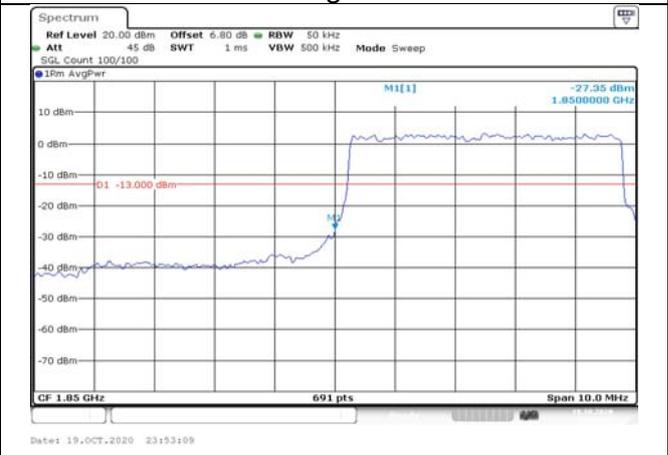


Fig.10

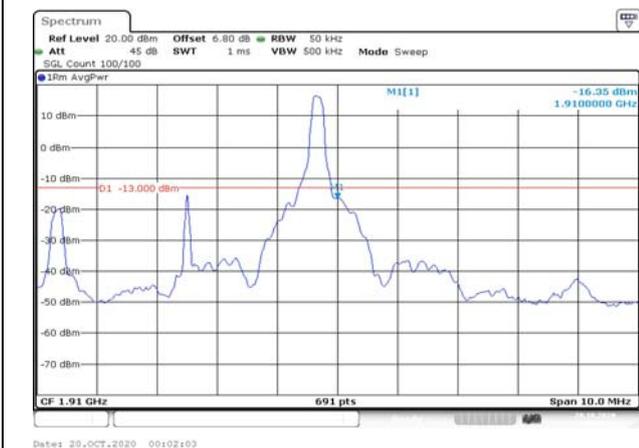


Fig.11

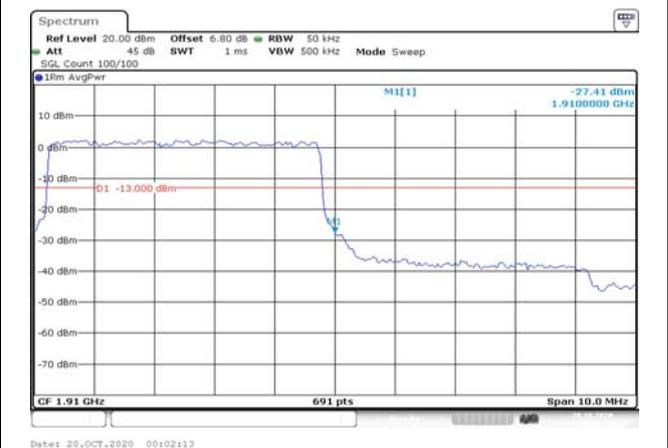


Fig.12

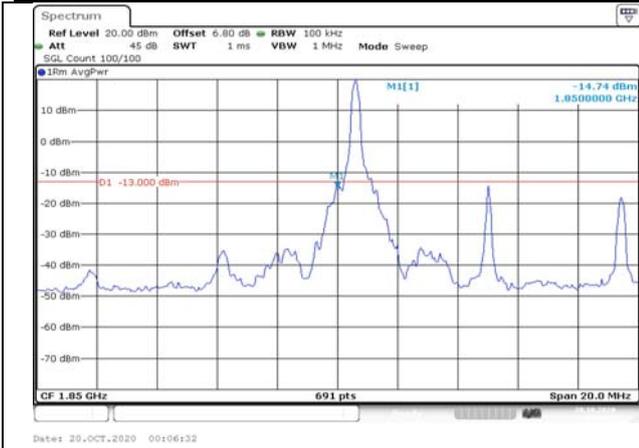


Fig.13

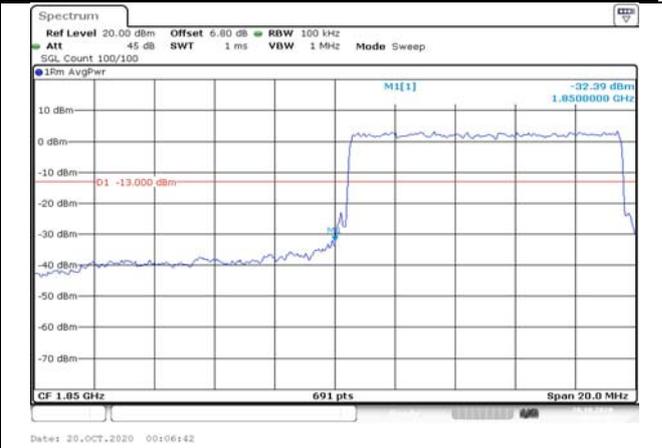


Fig.14



Fig.15

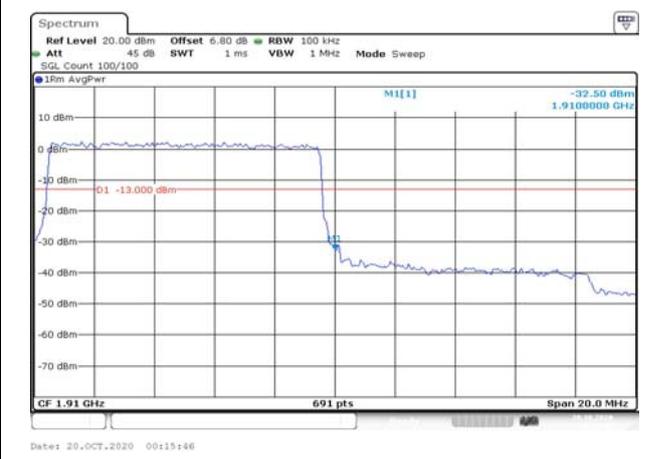


Fig.16

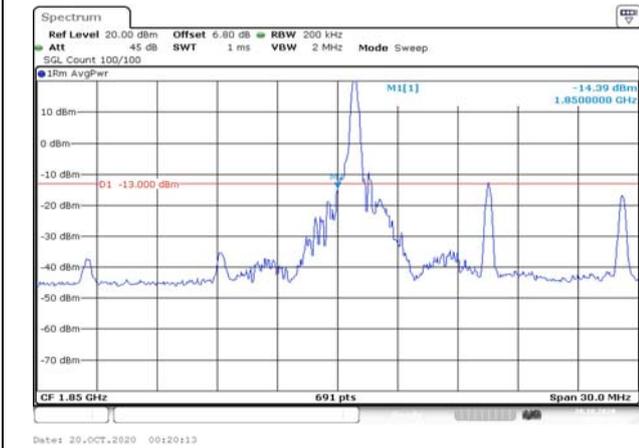


Fig.17

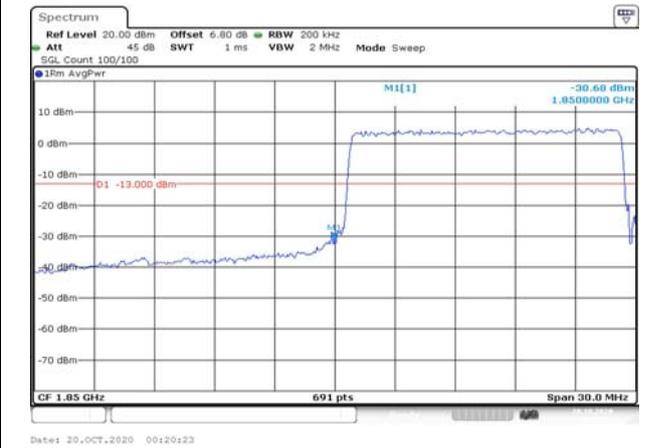


Fig.18

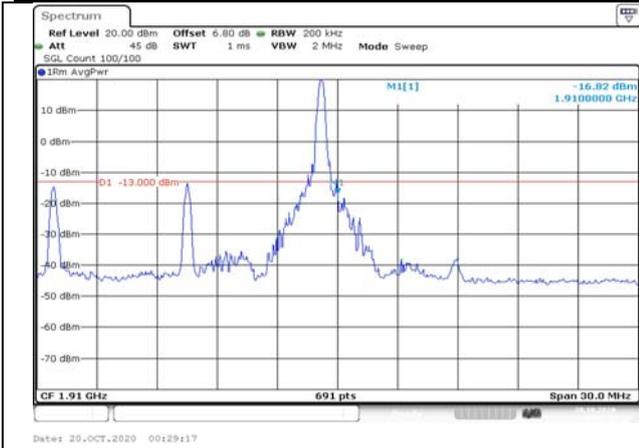


Fig.19



Fig.20

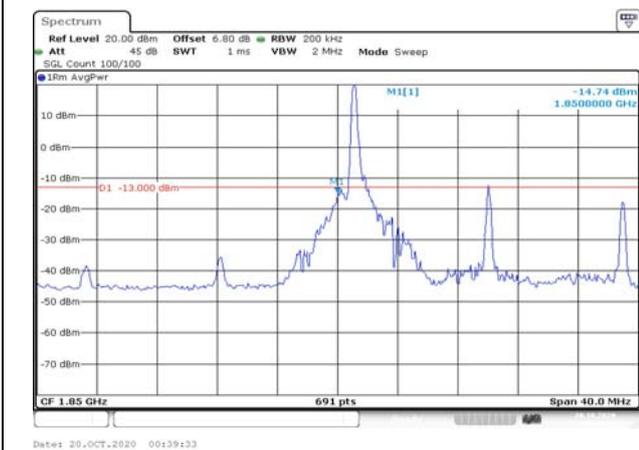


Fig.21

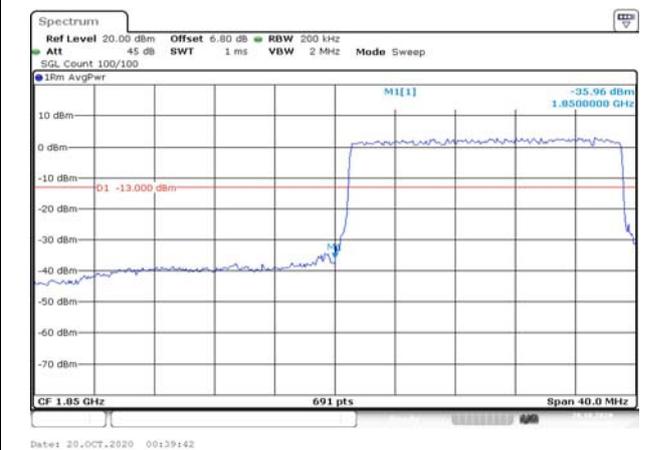


Fig.22

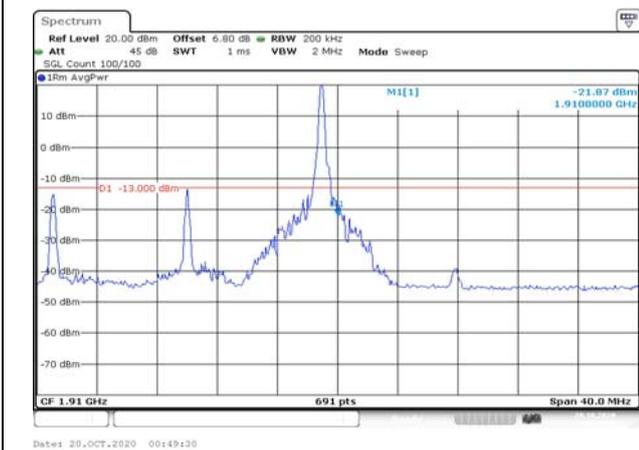


Fig.23

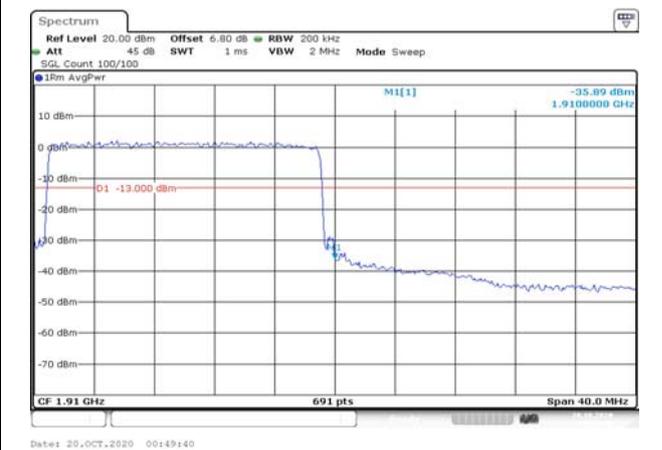


Fig.24

7 Frequency Stability

Test result:

Temperature(°C)	Voltage	Test Result (ppm) Band2 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.024	-0.018	-0.010	-0.020	-0.015	-0.011
0	NV	-0.023	-0.019	-0.014	-0.017	-0.018	-0.010
+10	NV	-0.021	-0.013	-0.015	-0.026	-0.006	-0.007
+20	NV	0.000	0.000	0.000	0.000	-0.008	-0.004
+35	NV	-0.025	-0.013	-0.020	-0.005	-0.011	-0.006
+20	LV	-0.017	-0.010	-0.021	-0.024	-0.010	0.004
+20	HV	-0.024	-0.008	-0.017	-0.006	-0.017	-0.012

Temperature(°C)	Voltage	Test Result (ppm) Band2 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.027	-0.021	-0.013	-0.017	-0.022	-0.003
0	NV	-0.031	-0.015	-0.017	-0.009	-0.019	-0.007
+10	NV	-0.025	-0.012	-0.011	-0.024	-0.005	-0.008
+20	NV	0.000	0.000	0.000	0.000	-0.005	-0.001
+35	NV	-0.029	-0.016	-0.022	-0.005	-0.017	-0.006
+20	LV	-0.010	-0.010	-0.023	-0.022	-0.009	0.004
+20	HV	-0.027	-0.017	-0.019	-0.006	-0.014	-0.009

Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	ERP/EIRP (W)	
QPSK	1850.7	18607	1.4	1	0	0.148	
				1	3	0.148	
				1	5	0.148	
				3	0	0.155	
				3	1	0.155	
				3	3	0.155	
				6	0	0.132	
	1880	18900		1	0	0.138	
				1	3	0.138	
				1	5	0.138	
				3	0	0.138	
				3	1	0.138	
				3	3	0.138	
				6	0	0.117	
	1909.3	19193		1	0	0.120	
				1	3	0.120	
				1	5	0.120	
				3	0	0.129	
				3	1	0.132	
				3	3	0.126	
				6	0	0.110	
	16QAM	1850.7		18607	1	0	0.126
					1	3	0.126
					1	5	0.126
3			0		0.123		
3			1		0.123		
3			3		0.120		
6			0		0.105		
1880		18900	1	0	0.123		
			1	3	0.123		

				1	5	0.123
				3	0	0.112
				3	1	0.112
				3	3	0.112
				6	0	0.095
				1	0	0.110
	1909.3	19193		1	3	0.112
				1	5	0.112
				3	0	0.100
				3	1	0.102
				3	3	0.102
				6	0	0.087

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	ERP/EIRP (W)
64QAM	1850.7	18607	1.4	1	0	0.105
				1	3	0.105
				1	5	0.105
				3	0	0.105
				3	1	0.105
				3	3	0.105
				6	0	0.105
	1880	18900		1	0	0.095
				1	3	0.098
				1	5	0.095
				3	0	0.095
				3	1	0.095
				3	3	0.095
				6	0	0.095
	1909.3	19193		1	0	0.087
				1	3	0.087
				1	5	0.087
				3	0	0.087
				3	1	0.087
				3	3	0.087
				6	0	0.087

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	ERP/EIRP (W)
QPSK	1851.5	18615	3	1	0	0.148
				1	8	0.145
				1	14	0.145
				8	0	0.126
				8	4	0.126
				8	7	0.126
				15	0	0.126
	1880	18900		1	0	0.138
				1	8	0.138
				1	14	0.135
				8	0	0.115
				8	4	0.115
				8	7	0.115
				15	0	0.112
	1908.5	19185		1	0	0.120
				1	8	0.120
				1	14	0.123
				8	0	0.102
				8	4	0.102
				8	7	0.102
				15	0	0.100
16QAM	1851.5	18615	1	0	0.138	
			1	8	0.138	
			1	14	0.138	
			8	0	0.110	
			8	4	0.110	
			8	7	0.110	
			15	0	0.107	
	1880	18900	1	0	0.123	
			1	8	0.123	
			1	14	0.123	

			8	0	0.093	
			8	4	0.093	
			8	7	0.093	
			15	0	0.091	
	1908.5	19185		1	0	0.102
				1	8	0.110
				1	14	0.110
				8	0	0.085
				8	4	0.087
				8	7	0.087
				15	0	0.083

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	ERP/EIRP (W)
64QAM	1851.5	18615	3	1	0	0.105
				1	8	0.102
				1	14	0.105
				8	0	0.107
				8	4	0.100
				8	7	0.100
				15	0	0.105
	1880	18900		1	0	0.091
				1	8	0.091
				1	14	0.091
				8	0	0.091
				8	4	0.091
				8	7	0.091
				15	0	0.091
	1908.5	19185		1	0	0.083
				1	8	0.083
				1	14	0.083
				8	0	0.083
				8	4	0.083
				8	7	0.083
				15	0	0.083

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	ERP/EIRP (W)
QPSK	1852.5	18625	5	1	0	0.141
				1	12	0.129
				1	24	0.135
				12	0	0.112
				12	7	0.112
				12	13	0.110
				25	0	0.105
	1880	18900		1	0	0.145
				1	12	0.138
				1	24	0.138
				12	0	0.115
				12	7	0.115
				12	13	0.115
				25	0	0.112
	1907.5	19175		1	0	0.117
				1	12	0.120
				1	24	0.120
				12	0	0.100
				12	7	0.102
				12	13	0.102
				25	0	0.100
16QAM	1852.5	18625	1	0	0.120	
			1	12	0.120	
			1	24	0.117	
			12	0	0.089	
			12	7	0.089	
			12	13	0.091	
			25	0	0.089	
	1880	18900	1	0	0.126	
			1	12	0.120	
			1	24	0.120	

			12	0	0.093	
			12	7	0.091	
			12	13	0.091	
			25	0	0.091	
	1907.5	19175		1	0	0.091
				1	12	0.098
				1	24	0.095
				12	0	0.079
				12	7	0.081
				12	13	0.081
				25	0	0.081

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	ERP/EIRP (W)
64QAM	1852.5	18625	5	1	0	0.148
				1	12	0.151
				1	24	0.151
				12	0	0.145
				12	7	0.148
				12	13	0.148
				25	0	0.145
	1880	18900		1	0	0.091
				1	12	0.091
				1	24	0.091
				12	0	0.091
				12	7	0.091
				12	13	0.091
				25	0	0.091
	1907.5	19175		1	0	0.081
				1	12	0.081
				1	24	0.081
				12	0	0.081
				12	7	0.081
				12	13	0.081
				25	0	0.081

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	ERP/EIRP (W)
QPSK	1855	18650	10	1	0	0.132
				1	25	0.129
				1	49	0.126
				25	0	0.105
				25	12	0.107
				25	25	0.105
				50	0	0.107
	1880	18900		1	0	0.135
				1	25	0.132
				1	49	0.132
				25	0	0.112
				25	12	0.112
				25	25	0.112
				50	0	0.112
	1905	19150		1	0	0.112
				1	25	0.120
				1	49	0.120
				25	0	0.095
				25	12	0.098
				25	25	0.098
				50	0	0.095
16QAM	1855	18650	1	0	0.135	
			1	25	0.132	
			1	49	0.129	
			25	0	0.100	
			25	12	0.098	
			25	25	0.098	
			50	0	0.098	
	1880	18900	1	0	0.126	
			1	25	0.123	
			1	49	0.123	

			25	0	0.093	
			25	12	0.091	
			25	25	0.091	
			50	0	0.091	
	1905	19150		1	0	0.095
				1	25	0.102
				1	49	0.102
				25	0	0.081
				25	12	0.083
				25	25	0.083
				50	0	0.079

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	ERP/EIRP (W)
64QAM	1855	18650	10	1	0	0.098
				1	25	0.098
				1	49	0.100
				25	0	0.100
				25	12	0.098
				25	25	0.100
				50	0	0.100
	1880	18900		1	0	0.091
				1	25	0.093
				1	49	0.093
				25	0	0.091
				25	12	0.093
				25	25	0.091
				50	0	0.093
	1905	19150		1	0	0.079
				1	25	0.079
				1	49	0.079
				25	0	0.079
				25	12	0.079
				25	25	0.079
				50	0	0.079

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	ERP/EIRP (W)
QPSK	1857.5	18675	15	1	0	0.126
				1	37	0.126
				1	74	0.132
				36	0	0.110
				36	29	0.110
				36	30	0.112
				75	0	0.110
	1880	18900		1	0	0.135
				1	37	0.132
				1	74	0.135
				36	0	0.115
				36	29	0.115
				36	30	0.112
				75	0	0.115
	1902.5	19125		1	0	0.115
				1	37	0.120
				1	74	0.120
				36	0	0.095
				36	29	0.098
				36	30	0.098
				75	0	0.098
16QAM	1857.5	18675	1	0	0.135	
			1	37	0.129	
			1	74	0.132	
			36	0	0.100	
			36	29	0.095	
			36	30	0.095	
			75	0	0.098	
	1880	18900	1	0	0.123	
			1	37	0.123	
			1	74	0.123	

			36	0	0.093	
			36	29	0.091	
			36	30	0.093	
			75	0	0.093	
	1902.5	19125		1	0	0.112
				1	37	0.110
				1	74	0.110
				36	0	0.076
				36	29	0.079
				36	30	0.078
				75	0	0.076

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	ERP/EIRP (W)
64QAM	1857.5	18675	15	1	0	0.098
				1	37	0.098
				1	74	0.098
				36	0	0.098
				36	29	0.098
				36	30	0.098
				75	0	0.098
	1880	18900		1	0	0.093
				1	37	0.093
				1	74	0.093
				36	0	0.093
				36	29	0.093
				36	30	0.095
				75	0	0.093
	1902.5	19125		1	0	0.078
				1	37	0.076
				1	74	0.076
				36	0	0.078
				36	29	0.078
				36	30	0.078
				75	0	0.078

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	ERP/EIRP (W)
QPSK	1860	18700	20	1	0	0.141
				1	49	0.132
				1	99	0.132
				50	0	0.105
				50	24	0.105
				50	50	0.107
				100	0	0.110
	1880	18900		1	0	0.145
				1	49	0.138
				1	99	0.135
				50	0	0.112
				50	24	0.110
				50	50	0.110
				100	0	0.112
	1900	19100		1	0	0.117
				1	49	0.110
				1	99	0.112
				50	0	0.093
				50	24	0.093
				50	50	0.093
				100	0	0.091
16QAM	1860	18700	1	0	0.120	
			1	49	0.117	
			1	99	0.110	
			50	0	0.087	
			50	24	0.083	
			50	50	0.089	
			100	0	0.087	
	1880	18900	1	0	0.120	
			1	49	0.120	
			1	99	0.112	

			50	0	0.091	
			50	24	0.089	
			50	50	0.089	
			100	0	0.091	
	1900	19100		1	0	0.112
				1	49	0.112
				1	99	0.112
				50	0	0.076
				50	24	0.078
				50	50	0.076
				100	0	0.076

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	ERP/EIRP (W)
64QAM	1860	18700	20	1	0	0.148
				1	49	0.141
				1	99	0.138
				50	0	0.148
				50	24	0.148
				50	50	0.148
				100	0	0.148
	1880	18900		1	0	0.091
				1	49	0.091
				1	99	0.091
				50	0	0.091
				50	24	0.091
				50	50	0.091
				100	0	0.091
	1900	19100		1	0	0.076
				1	49	0.076
				1	99	0.076
				50	0	0.076
				50	24	0.076
				50	50	0.076
				100	0	0.076