APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 2

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1850.7	18607	1.4	1	0	24.28
				1	3	24.20
				1	5	24.25
				3	0	24.13
				3	1	24.14
				3	3	24.27
				6	0	23.05
	1880	18900		1	0	23.86
				1	3	23.92
				1	5	23.90
				3	0	23.39
				3	1	23.43
				3	3	23.42
				6	0	22.44
	1909.3	19193		1	0	24.00
				1	3	23.83
				1	5	23.88
				3	0	23.01
				3	1	23.05
				3	3	23.02
				6	0	22.18
16QAM	1850.7	18607		1	0	22.80
				1	3	22.86
				1	5	22.84
				3	0	22.33
				3	1	22.37
				3	3	22.36
				6	0	21.38
	1880	18900		1	0	22.29
				1	3	22.26
				1	5	22.31
				3	0	21.67
				3	1	21.75
				3	3	21.88
				6	0	20.86
	1909.3	19193		1	0	22.94
				1	3	22.77
				1	5	22.82
				3	0	21.95
				3	1	21.99
				3	3	21.96
				6	0	21.12

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1850.7	18607	1.4	1	0	22.35
				1	3	22.44
				1	5	22.43
				3	0	22.43
				3	1	22.42
				3	3	22.42
				6	0	22.42
	1880	18900		1	0	21.91
				1	3	22.02
				1	5	22.10
				3	0	22.01
				3	1	21.99
				3	3	21.99
				6	0	22.02
	1909.3	19193		1	0	22.28
				1	3	22.27
				1	5	22.26
				3	0	22.25
				3	1	22.24
				3	3	22.23
				6	0	22.23

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1851.5	18615	3	1	0	23.88
				1	8	23.80
				1	14	23.94
				8	0	22.98
				8	4	22.92
				8	7	22.90
				15	0	22.91
	1880	18900		1	0	23.79
				1	8	23.69
				1	14	23.82
				8	0	22.83
				8	4	22.77
				8	7	22.77
				15	0	22.81
	1908.5	19185		1	0	24.07
				1	8	24.22
				1	14	24.19
				8	0	23.18
				8	4	23.07
				8	7	23.07
				15	0	23.15
16QAM	1851.5	18615		1	0	23.02
				1	8	22.94
				1	14	22.91
				8	0	22.37
				8	4	22.31
				8	7	22.30
				15	0	22.30
	1880	18900		1	0	23.05
				1	8	23.04
				1	14	23.05
				8	0	22.23
				8	4	22.29
				8	7	22.30
				15	0	21.98
	1908.5	19185		1	0	23.29
				1	8	23.39
				1	14	23.93
				8	0	22.27
				8	4	22.35
				8	7	22.39
				15	0	22.14

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1851.5	18615	3	1	0	22.29
				1	8	22.29
				1	14	22.28
				8	0	22.27
				8	4	22.27
				8	7	22.26
				15	0	22.26
	1880	18900		1	0	21.98
				1	8	21.98
				1	14	21.99
				8	0	21.98
				8	4	21.98
				8	7	21.98
				15	0	21.98
	1908.5	19185		1	0	22.14
				1	8	22.19
				1	14	22.19
				8	0	22.14
				8	4	22.19
				8	7	22.19
				15	0	22.19

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1852.5	18625	5	1	0	24.22
				1	12	24.04
				1	24	24.03
				12	0	23.28
				12	7	23.09
				12	13	23.09
				25	0	23.01
	1880	18900		1	0	23.93
				1	12	23.97
				1	24	23.96
				12	0	22.88
				12	7	22.79
				12	13	22.78
				25	0	22.84
	1907.5	19175		1	0	24.01
				1	12	23.96
				1	24	24.05
				12	0	23.11
				12	7	23.08
				12	13	23.18
				25	0	23.14
16QAM	1852.5	18625		1	0	22.45
				1	12	22.30
				1	24	22.30
				12	0	22.26
				12	7	22.11
				12	13	22.11
				25	0	22.29
	1880	18900		1	0	23.00
				1	12	23.18
				1	24	23.17
				12	0	21.96
				12	7	21.97
				12	13	21.97
				25	0	21.99
	1907.5	19175		1	0	23.13
				1	12	23.20
				1	24	23.10
				12	0	22.00
				12	7	22.04
				12	13	22.07
				25	0	22.15

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1852.5	18625	5	1	0	22.33
				1	12	22.25
				1	24	22.33
				12	0	22.30
				12	7	22.33
				12	13	22.25
				25	0	22.33
	1880	18900		1	0	21.99
				1	12	21.99
				1	24	22.00
				12	0	22.00
				12	7	22.00
				12	13	22.00
				25	0	22.00
	1907.5	19175		1	0	22.15
				1	12	22.05
				1	24	22.06
				12	0	22.06
				12	7	22.06
				12	13	22.06
				25	0	22.06

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1855	18650	10	1	0	24.14
				1	25	23.94
				1	49	23.95
				25	0	22.96
				25	12	23.06
				25	25	23.06
				50	0	23.07
	1880	18900		1	0	23.91
				1	25	23.96
				1	49	23.99
				25	0	22.87
				25	12	22.94
				25	25	22.94
				50	0	22.90
	1905	19150		1	0	24.05
				1	25	24.16
				1	49	24.12
				25	0	23.09
				25	12	23.15
				25	25	23.15
				50	0	23.09
16QAM	1855	18650		1	0	23.67
				1	25	23.48
				1	49	23.49
				25	0	22.15
				25	12	22.16
				25	25	22.16
				50	0	22.15
	1880	18900		1	0	23.01
				1	25	23.69
				1	49	23.68
				25	0	22.01
				25	12	21.96
				25	25	21.97
				50	0	22.01
	1905	19150		1	0	22.92
				1	25	23.15
				1	49	23.01
				25	0	22.44
				25	12	22.37
				25	25	22.37
				50	0	22.22

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1855	18650	10	1	0	22.14
				1	25	22.15
				1	49	22.14
				25	0	22.14
				25	12	22.15
				25	25	22.15
				50	0	22.14
	1880	18900		1	0	21.97
				1	25	22.01
				1	49	21.95
				25	0	21.94
				25	12	21.95
				25	25	21.98
				50	0	21.95
	1905	19150		1	0	22.28
				1	25	22.29
				1	49	22.23
				25	0	22.29
				25	12	22.29
				25	25	22.34
				50	0	22.18

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1857.5	18675	15	1	0	23.97
				1	37	23.96
				1	74	23.98
				36	0	23.11
				36	29	23.15
				36	30	23.16
				75	0	23.10
	1880	18900		1	0	23.71
				1	37	23.77
				1	74	23.76
				36	0	22.83
				36	29	22.97
				36	30	22.96
				75	0	22.85
	1902.5	19125		1	0	23.95
				1	37	24.22
				1	74	24.23
				36	0	23.03
				36	29	23.13
				36	30	23.12
				75	0	23.07
16QAM	1857.5	18675		1	0	23.55
				1	37	23.29
				1	74	23.37
				36	0	22.17
				36	29	22.05
				36	30	22.04
				75	0	22.05
	1880	18900		1	0	23.33
				1	37	23.33
				1	74	23.32
				36	0	21.99
				36	29	22.00
				36	30	21.99
				75	0	21.98
	1902.5	19125		1	0	23.77
				1	37	24.10
				1	74	23.98
				36	0	22.17
				36	29	22.11
				36	30	22.11
				75	0	22.24

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1857.5	18675	15	1	0	22.05
				1	37	22.04
				1	74	22.04
				36	0	22.15
				36	29	22.14
				36	30	22.14
				75	0	22.02
	1880	18900		1	0	21.99
				1	37	21.99
				1	74	21.99
				36	0	21.99
				36	29	21.98
				36	30	21.98
				75	0	21.98
	1902.5	19125		1	0	22.24
				1	37	22.24
				1	74	22.25
				36	0	22.25
				36	29	22.25
				36	30	22.25
				75	0	22.25

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1860	18700	20	1	0	24.31
				1	49	24.06
				1	99	24.06
				50	0	22.92
				50	24	22.95
				50	50	22.95
				100	0	23.00
	1880	18900		1	0	24.05
				1	49	24.13
				1	99	24.11
				50	0	22.78
				50	24	22.88
				50	50	22.87
				100	0	22.80
	1900	19100		1	0	23.98
				1	49	24.30
				1	99	24.18
				50	0	23.03
				50	24	23.19
				50	50	23.19
				100	0	23.21
16QAM	1860	18700		1	0	23.38
				1	49	23.07
				1	99	23.08
				50	0	22.17
				50	24	22.09
				50	50	22.09
				100	0	22.10
	1880	18900		1	0	22.81
				1	49	22.87
				1	99	22.99
				50	0	22.04
				50	24	22.00
				50	50	22.00
				100	0	21.95
	1900	19100		1	0	23.66
				1	49	23.97
				1	99	23.96
				50	0	22.06
				50	24	22.26
				50	50	22.27
				100	0	22.24

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1860	18700	20	1	0	22.10
				1	49	22.10
				1	99	22.10
				50	0	22.11
				50	24	22.11
				50	50	22.12
				100	0	22.11
	1880	18900		1	0	21.96
				1	49	21.96
				1	99	21.96
				50	0	21.96
				50	24	21.96
				50	50	21.96
				100	0	21.95
	1900	19100		1	0	22.36
				1	49	22.25
				1	99	22.25
				50	0	22.25
				50	24	22.25
				50	50	22.25
				100	0	22.25

2 Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
2	1850.7	18607	1.4	6	0	1.076	Fig.1	1.082	Fig.2	1.088	Fig.3
	1880	18900		6	0	1.088	Fig.4	1.082	Fig.5	1.076	Fig.6
	1909.3	19193		6	0	1.082	Fig.7	1.082	Fig.8	1.082	Fig.9
	1851.5	18615	3	15	0	2.683	Fig.10	2.683	Fig.11	2.683	Fig.12
	1880	18900		15	0	2.696	Fig.13	2.683	Fig.14	2.683	Fig.15
	1908.5	19185		15	0	2.683	Fig.16	2.683	Fig.17	2.696	Fig.18
	1852.5	18625	5	25	0	4.493	Fig.19	4.472	Fig.20	4.472	Fig.21
	1880	18900		25	0	4.472	Fig.22	4.472	Fig.23	4.493	Fig.24
	1907.5	19175		25	0	4.472	Fig.25	4.472	Fig.26	4.472	Fig.27
	1855	18650	10	50	0	8.944	Fig.28	8.944	Fig.29	8.944	Fig.30
	1880	18900		50	0	8.944	Fig.31	8.944	Fig.32	8.944	Fig.33
	1905	19150		50	0	8.944	Fig.34	8.900	Fig.35	8.944	Fig.36
	1857.5	18675	15	75	0	13.415	Fig.37	13.480	Fig.38	13.415	Fig.39
	1880	18900		75	0	13.415	Fig.40	13.415	Fig.41	13.415	Fig.42
	1902.5	19125		75	0	13.350	Fig.43	13.350	Fig.44	13.350	Fig.45
	1860	18700	20	100	0	17.887	Fig.46	17.974	Fig.47	17.887	Fig.48
	1880	18900		100	0	17.887	Fig.49	17.887	Fig.50	17.887	Fig.51
	1900	19100		100	0	17.887	Fig.52	17.887	Fig.53	17.887	Fig.54

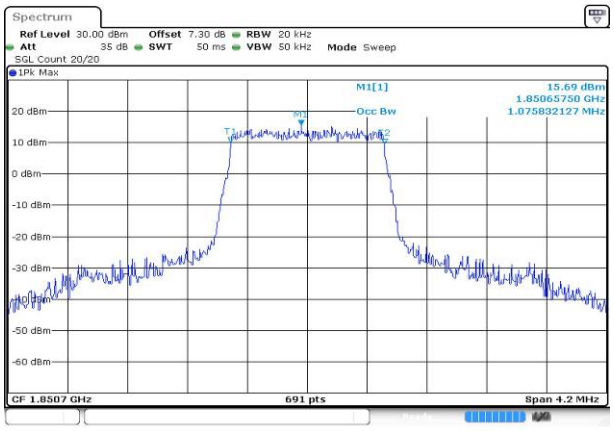


Fig.1

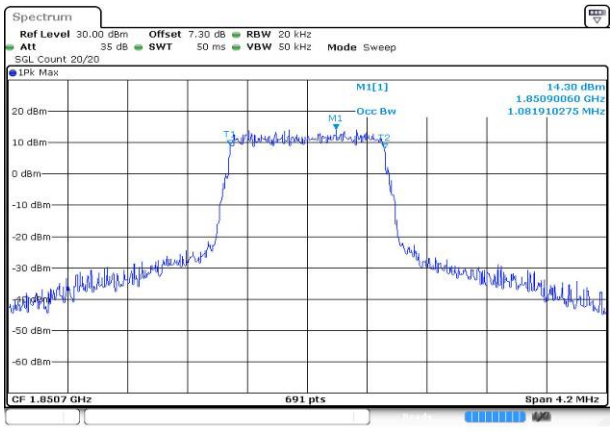


Fig.2

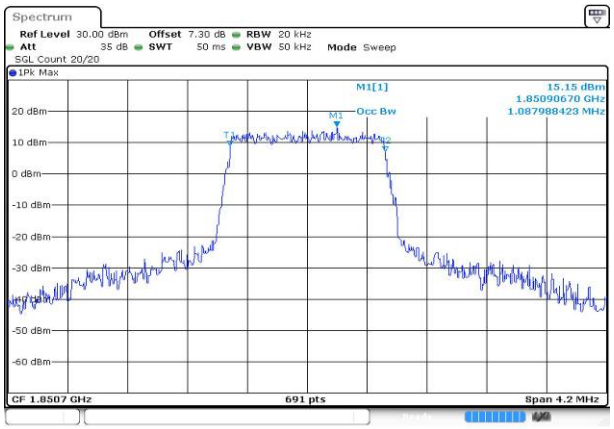


Fig.3

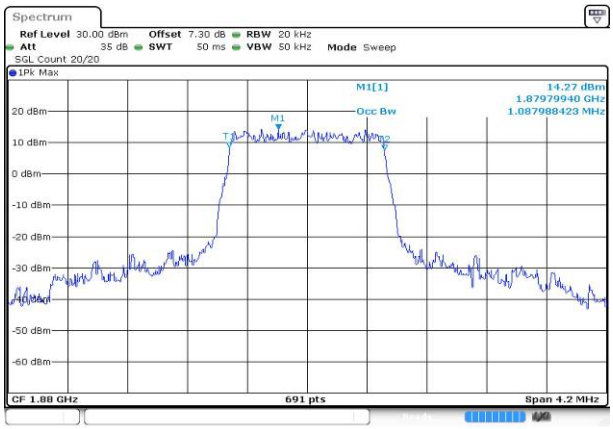


Fig.4

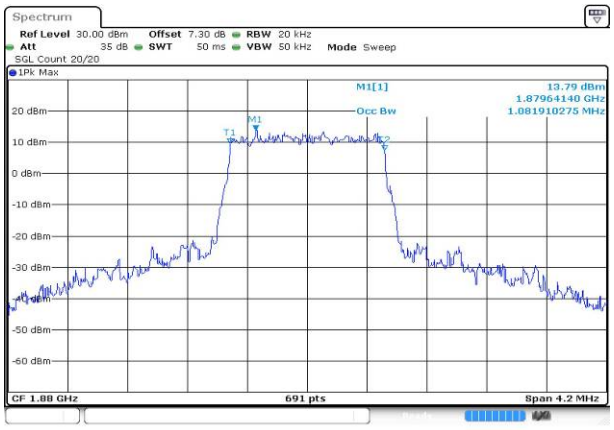


Fig.5

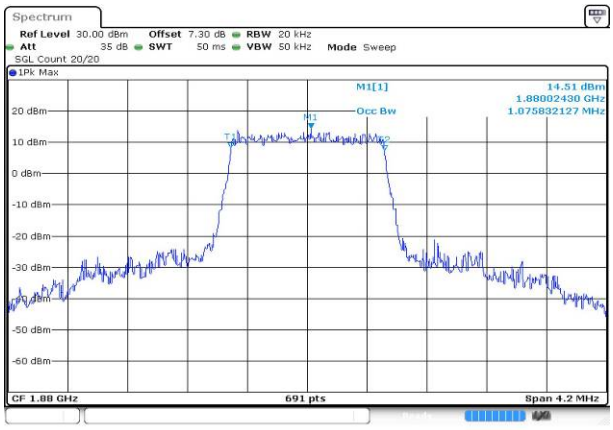


Fig.6

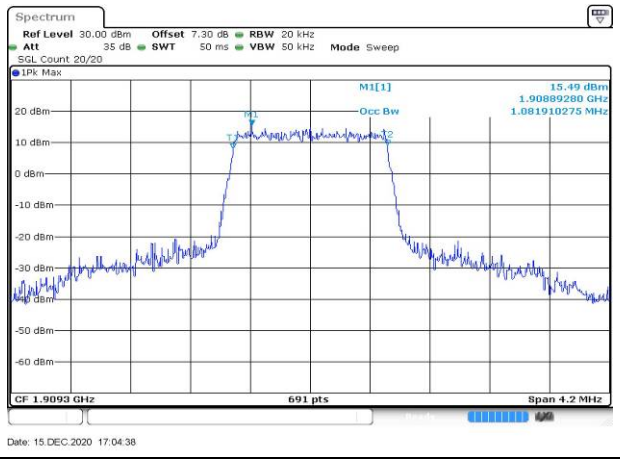


Fig.7

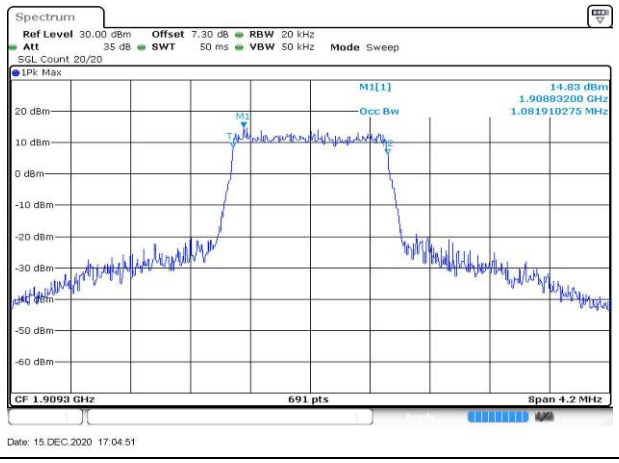


Fig.8

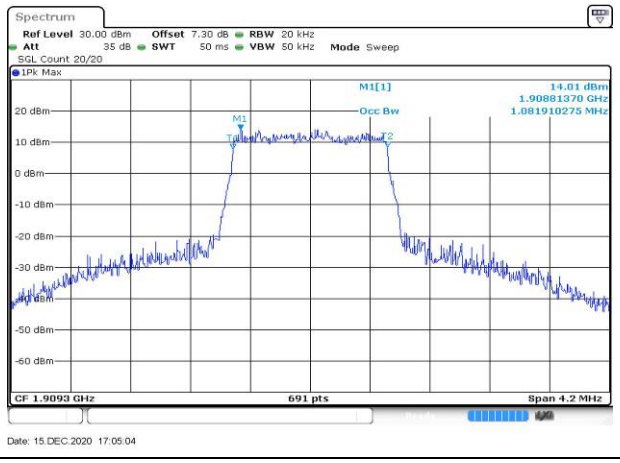


Fig.9

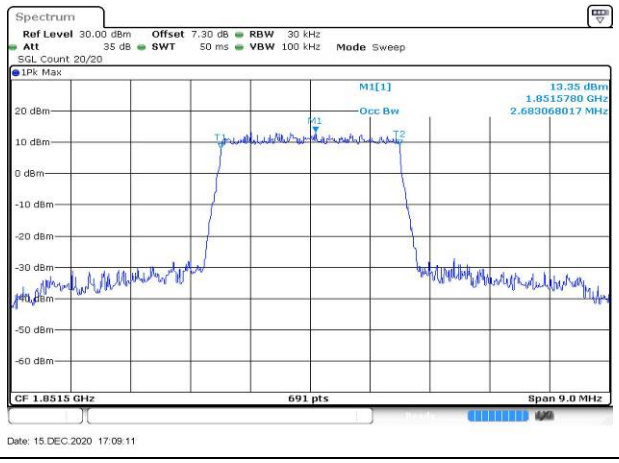


Fig.10

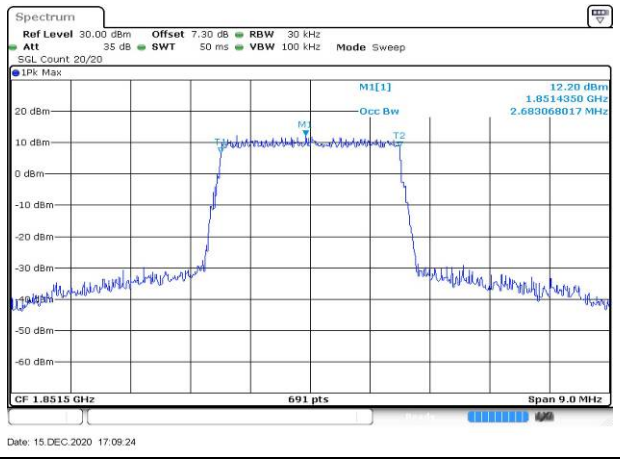


Fig.11

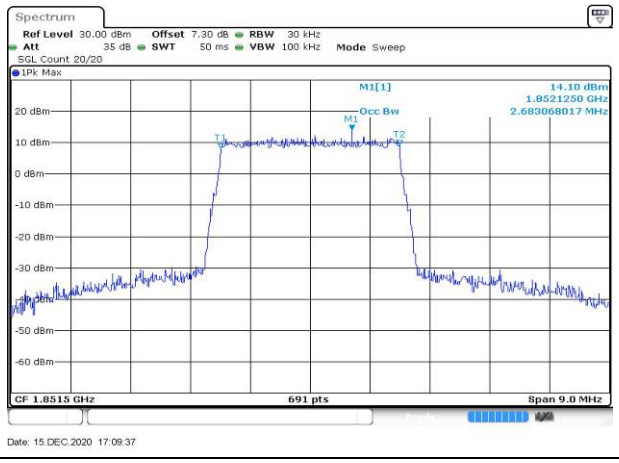


Fig.12

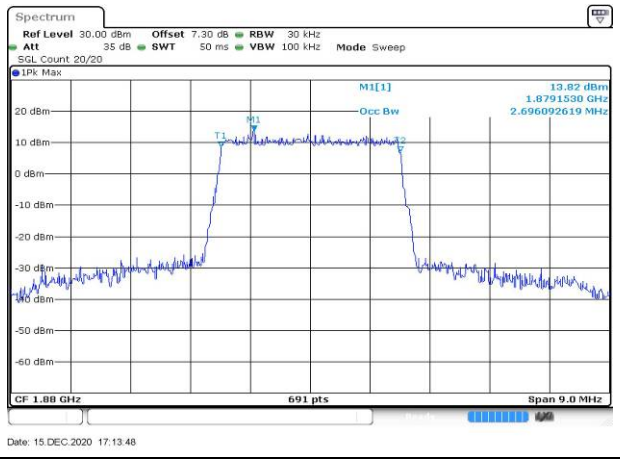


Fig.13

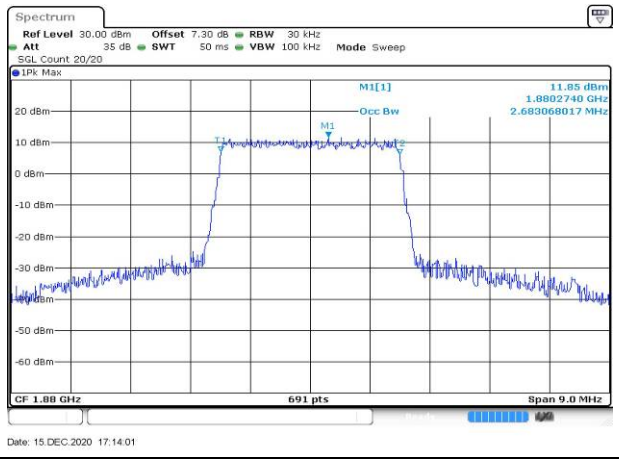


Fig.14

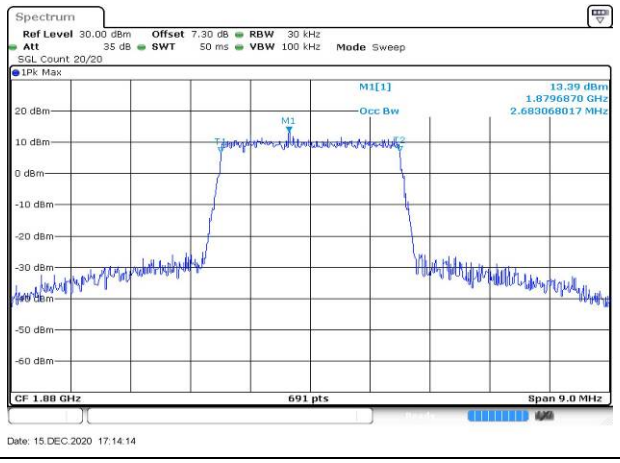


Fig.15

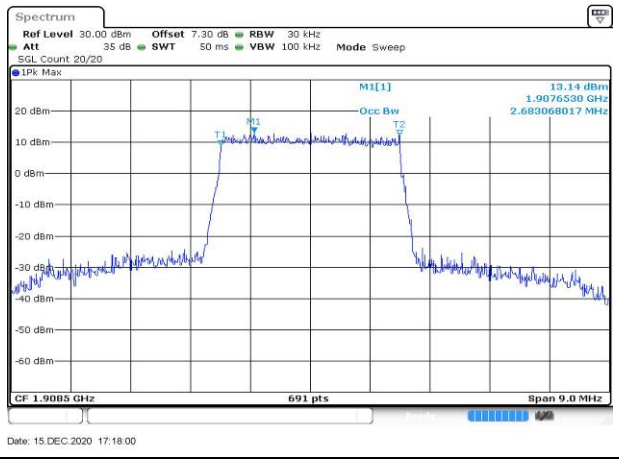


Fig.16

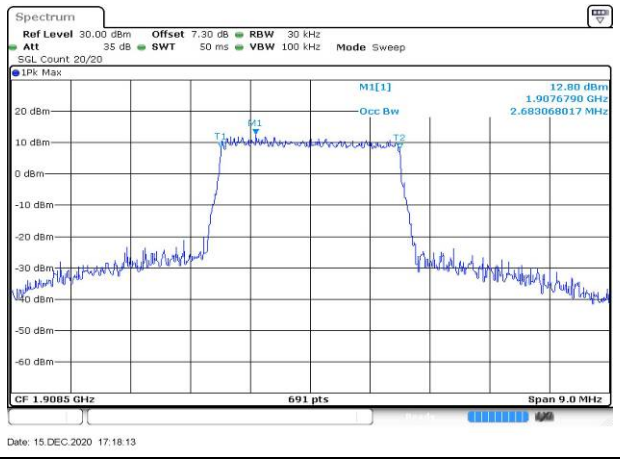


Fig.17

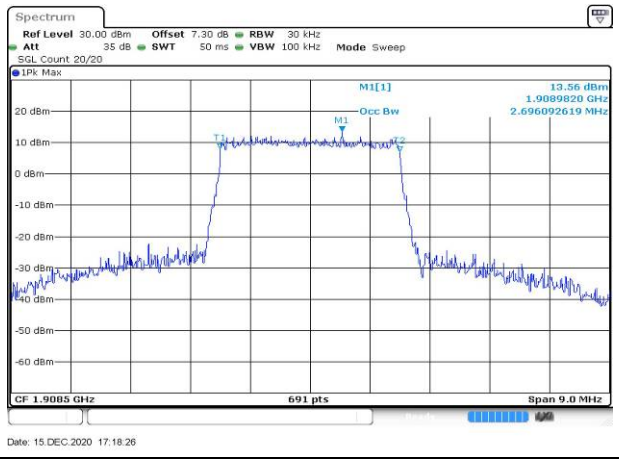


Fig.18

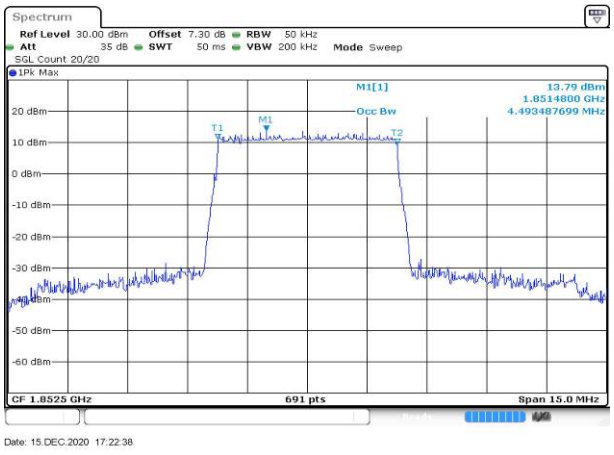


Fig.19

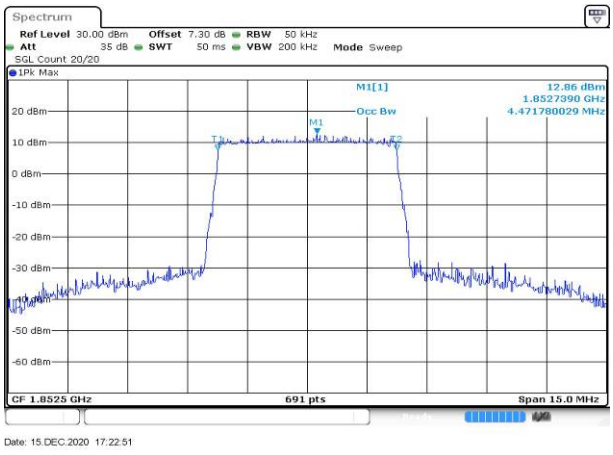
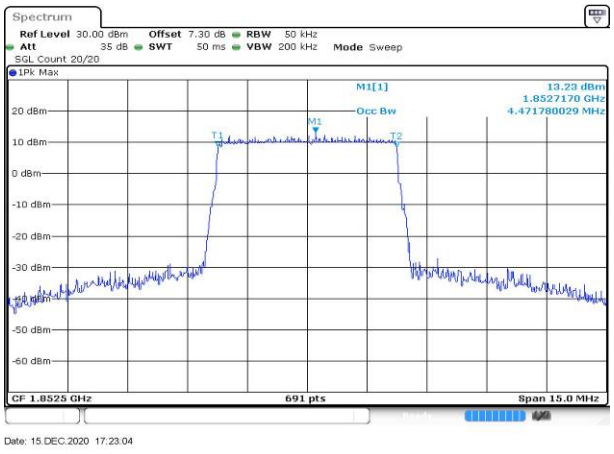


Fig.20



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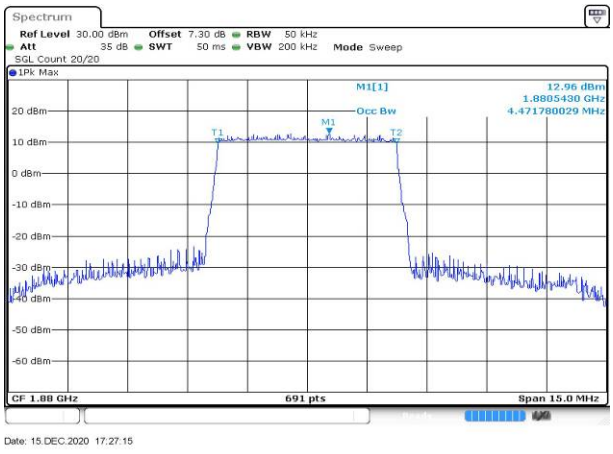

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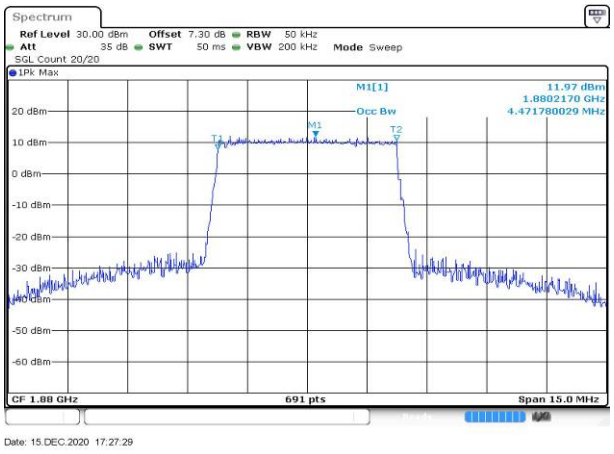

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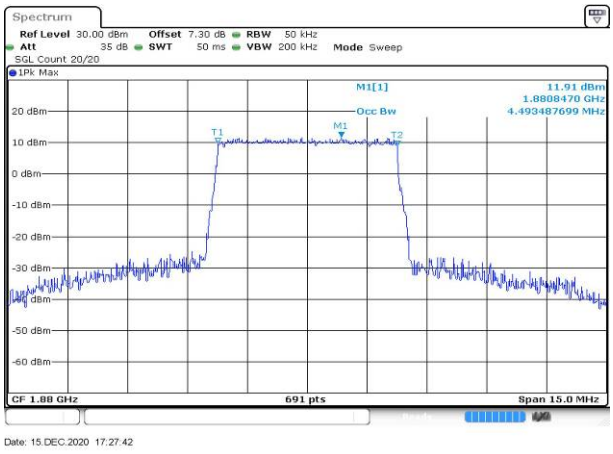
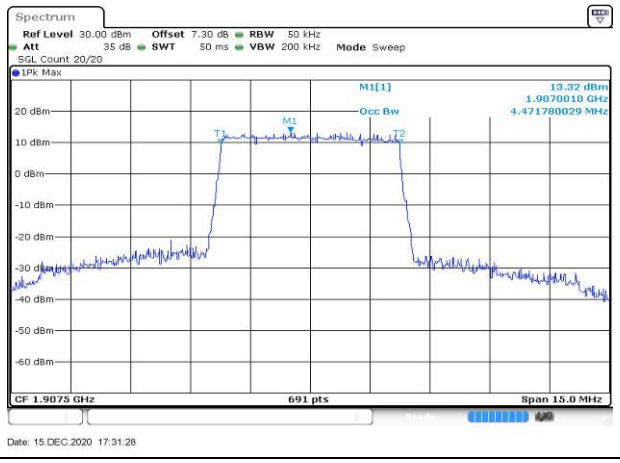


Fig.24



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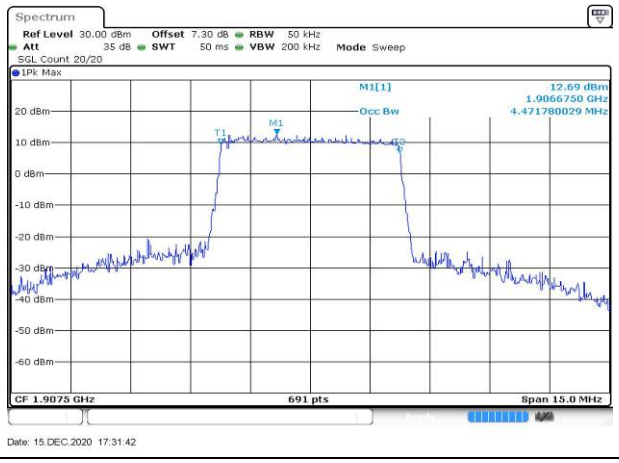

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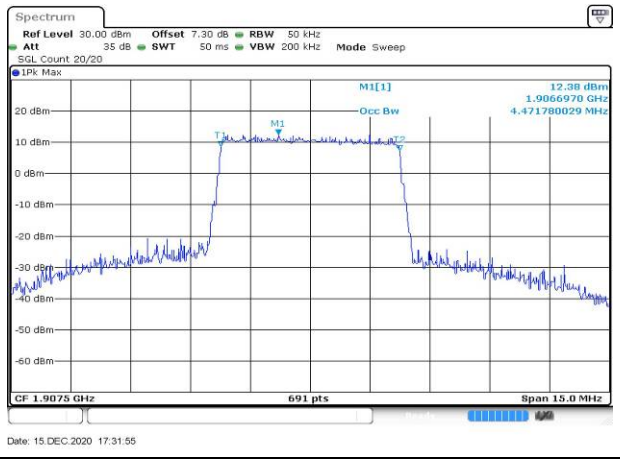


Fig.27

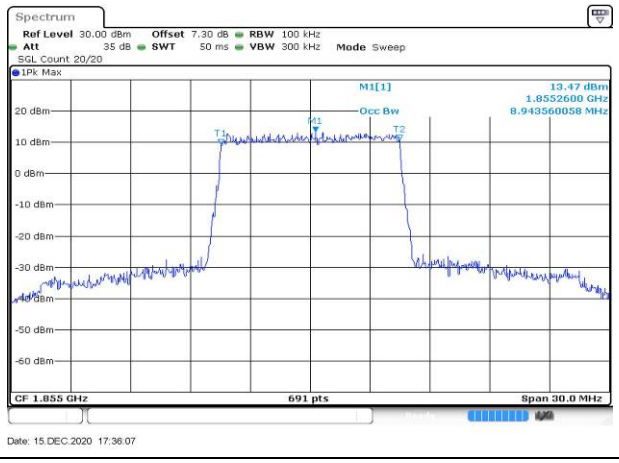
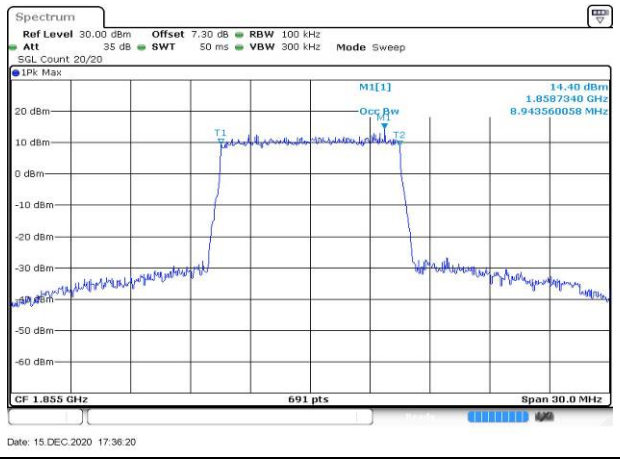


Fig.28



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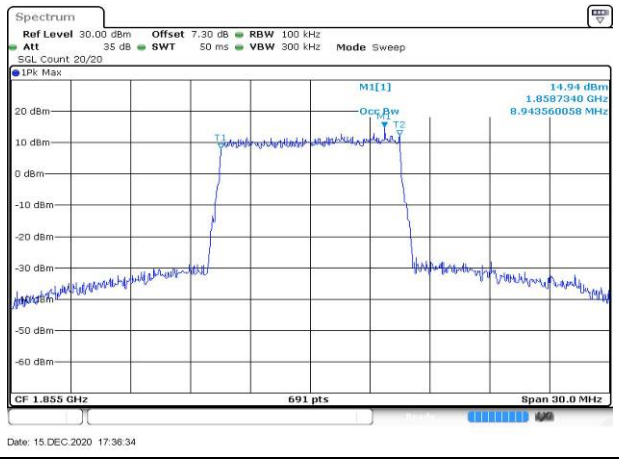


Fig.30

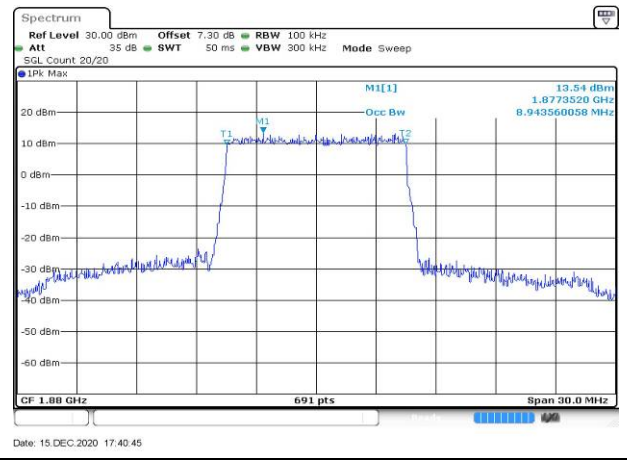
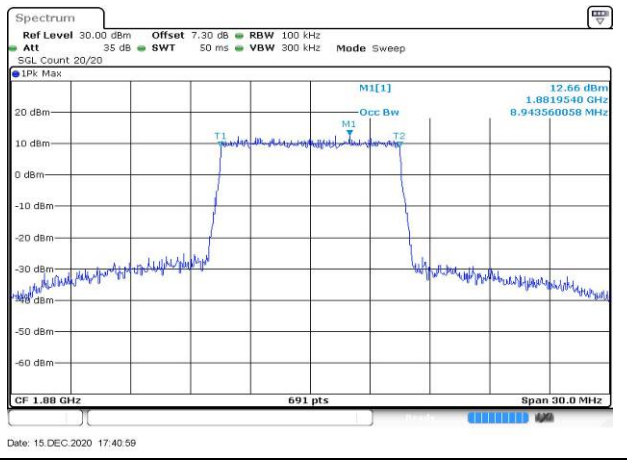


Fig.31



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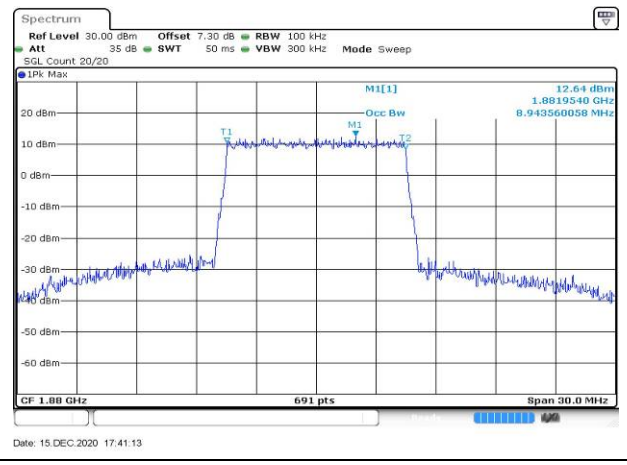

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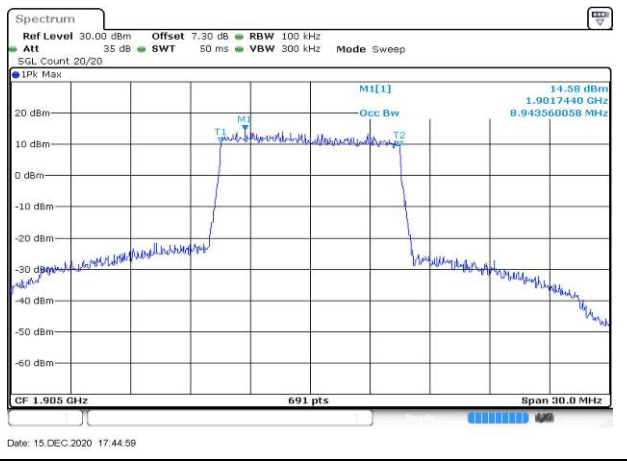


Fig.34

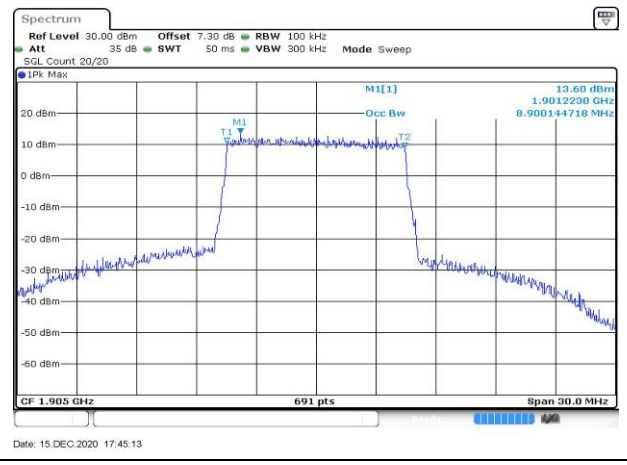


Fig.35

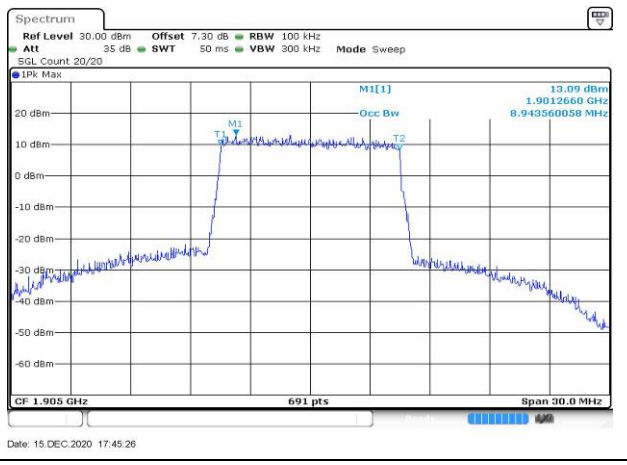


Fig.36

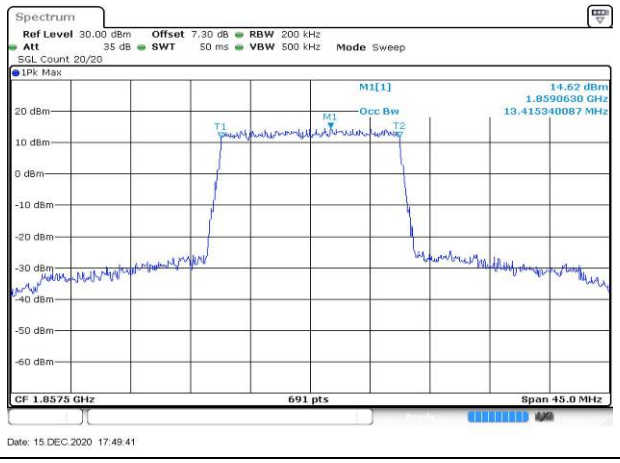


Fig.37

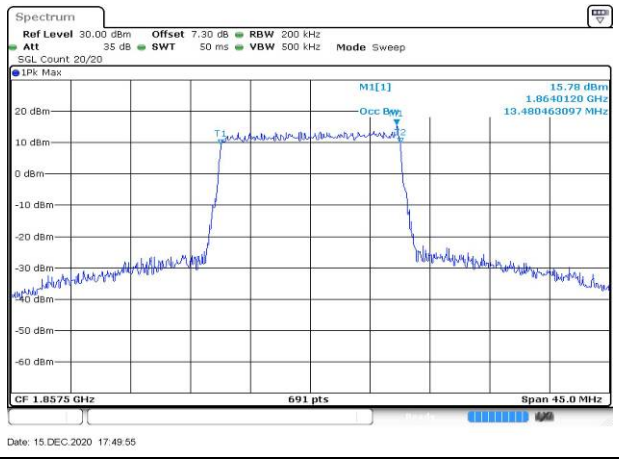
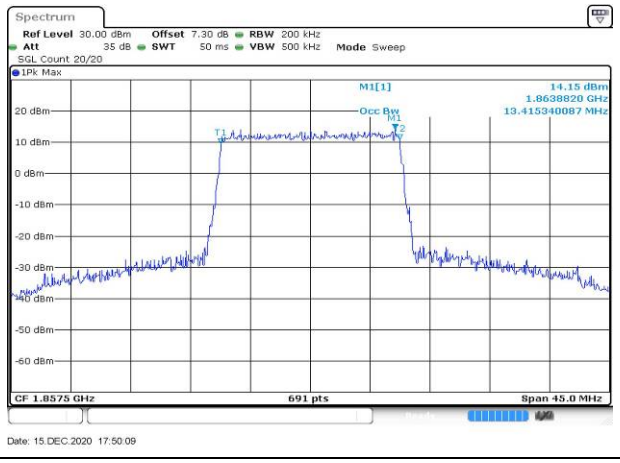


Fig.38



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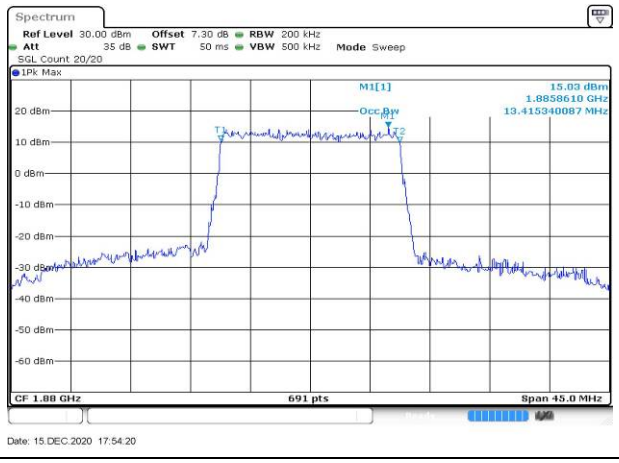
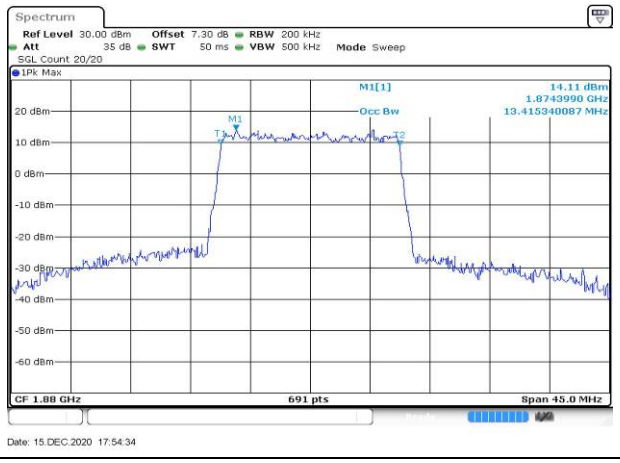


Fig.40



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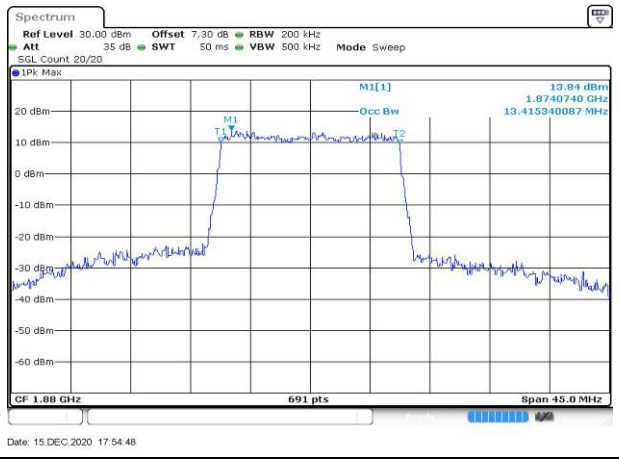
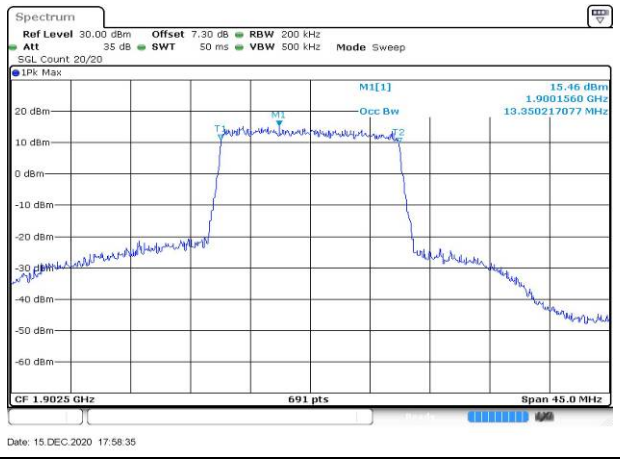


Fig.42



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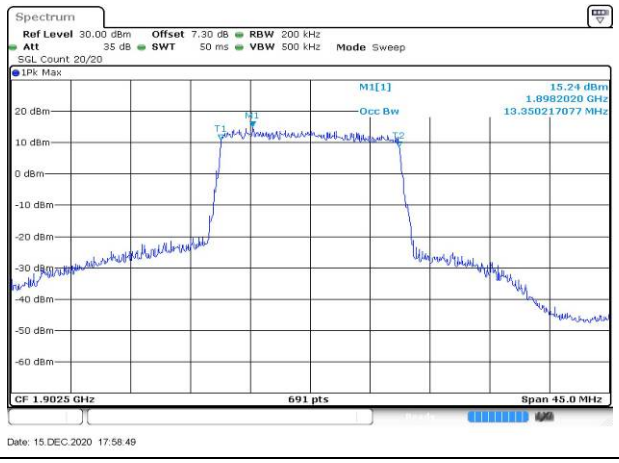

Fig.44

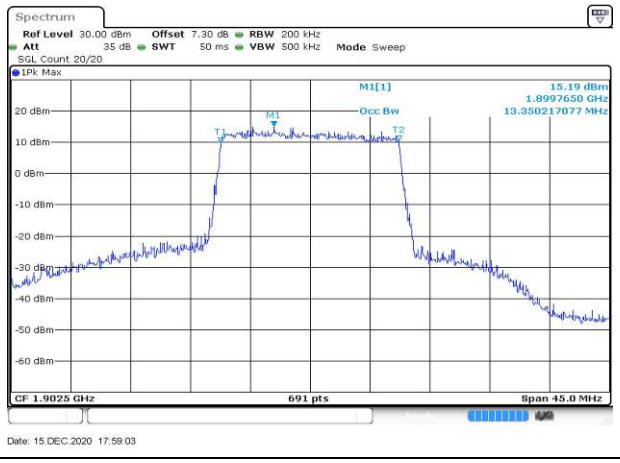

Fig.45

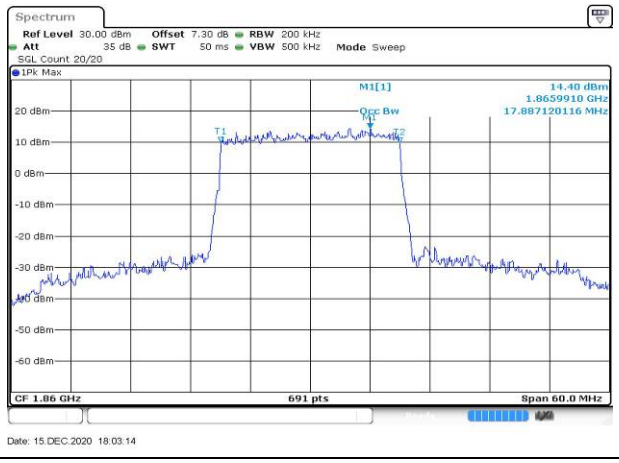

Fig.46

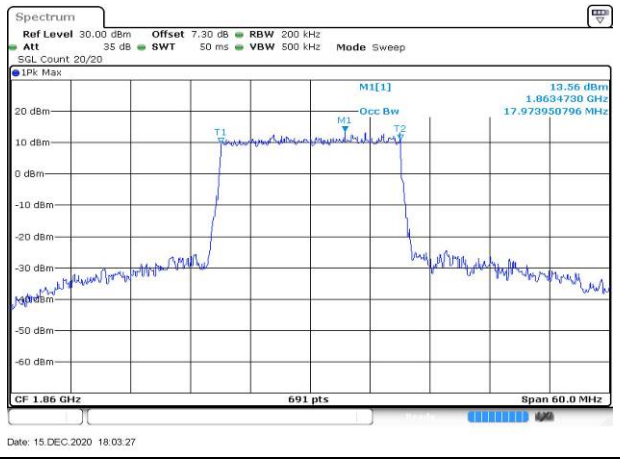

Fig.47

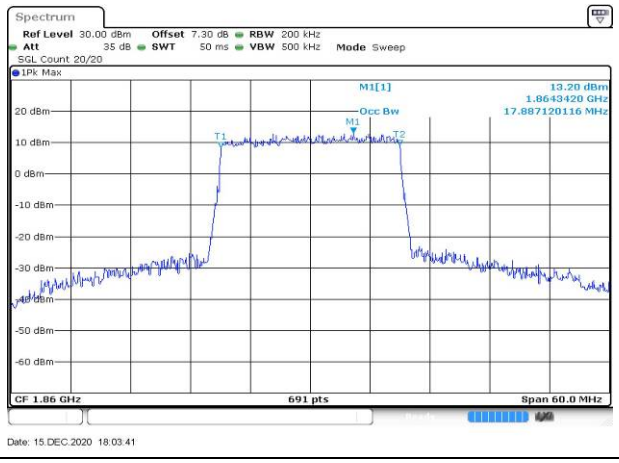

Fig.48

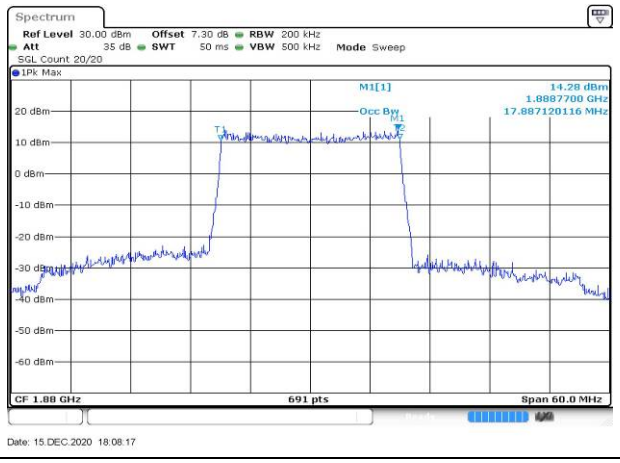

Fig.49

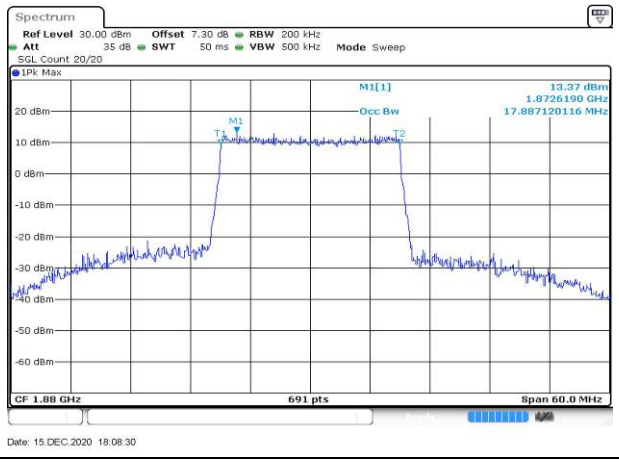

Fig.50

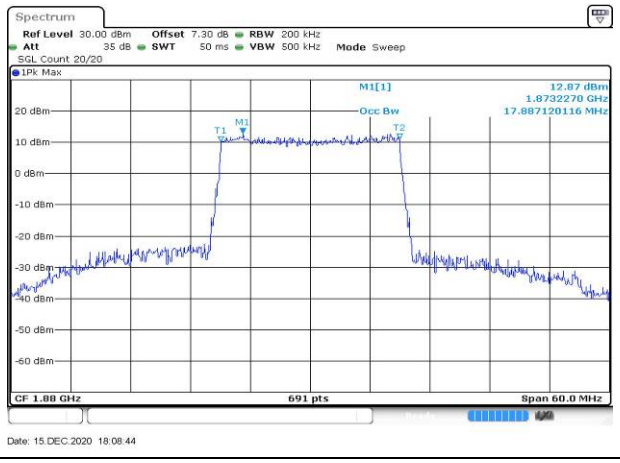

Fig.51

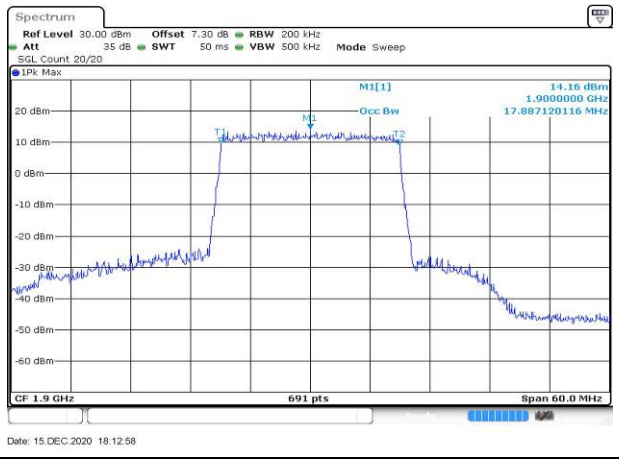

Fig.52

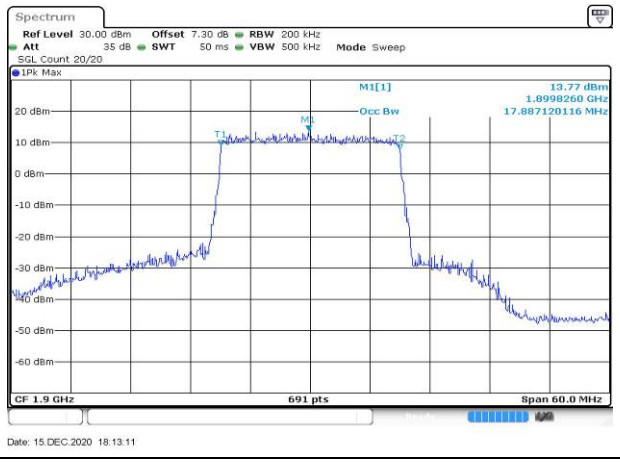

Fig.53

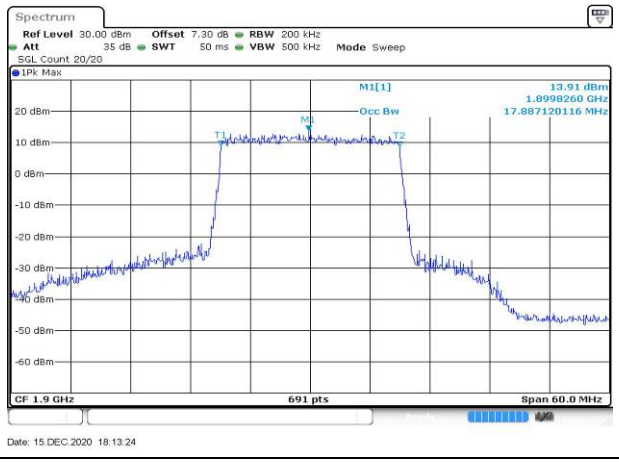

Fig.54

3 Emission Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
2	1850.7	18607	1.4	6	0	1.234	Fig.1	1.234	Fig.2	1.234	Fig.3
	1880	18900		6	0	1.234	Fig.4	1.228	Fig.5	1.222	Fig.6
	1909.3	19193		6	0	1.240	Fig.7	1.228	Fig.8	1.222	Fig.9
	1851.5	18615	3	15	0	2.970	Fig.10	2.996	Fig.11	2.996	Fig.12
	1880	18900		15	0	2.996	Fig.13	2.970	Fig.14	2.970	Fig.15
	1908.5	19185		15	0	2.983	Fig.16	3.009	Fig.17	3.009	Fig.18
	1852.5	18625	5	25	0	4.884	Fig.19	4.863	Fig.20	4.863	Fig.21
	1880	18900		25	0	4.906	Fig.22	4.906	Fig.23	4.928	Fig.24
	1907.5	19175		25	0	4.863	Fig.25	4.906	Fig.26	4.863	Fig.27
	1855	18650	10	50	0	9.725	Fig.28	9.768	Fig.29	9.638	Fig.30
	1880	18900		50	0	9.725	Fig.31	9.725	Fig.32	9.725	Fig.33
	1905	19150		50	0	9.638	Fig.34	9.595	Fig.35	9.768	Fig.36
	1857.5	18675	15	75	0	14.718	Fig.37	14.588	Fig.38	14.783	Fig.39
	1880	18900		75	0	14.653	Fig.40	14.653	Fig.41	14.653	Fig.42
	1902.5	19125		75	0	14.588	Fig.43	14.718	Fig.44	14.588	Fig.45
	1860	18700	20	100	0	19.190	Fig.46	19.450	Fig.47	19.363	Fig.48
	1880	18900		100	0	19.363	Fig.49	19.537	Fig.50	19.363	Fig.51
	1900	19100		100	0	19.363	Fig.52	19.450	Fig.53	19.363	Fig.54

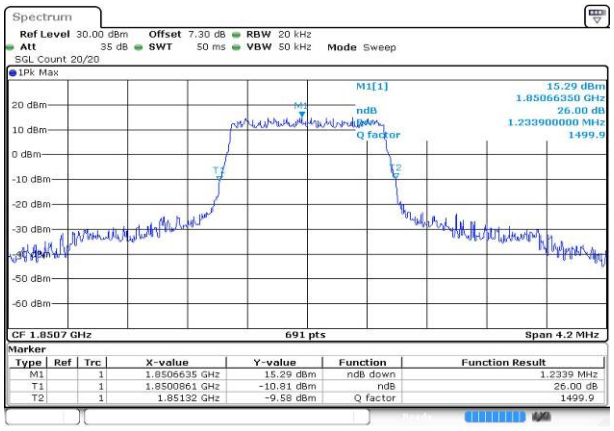

Fig.1

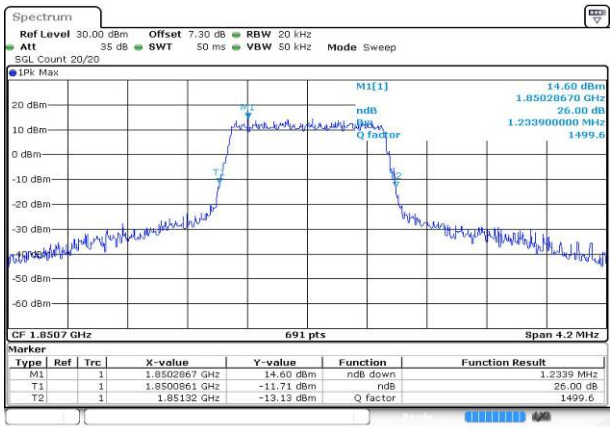

Fig.2

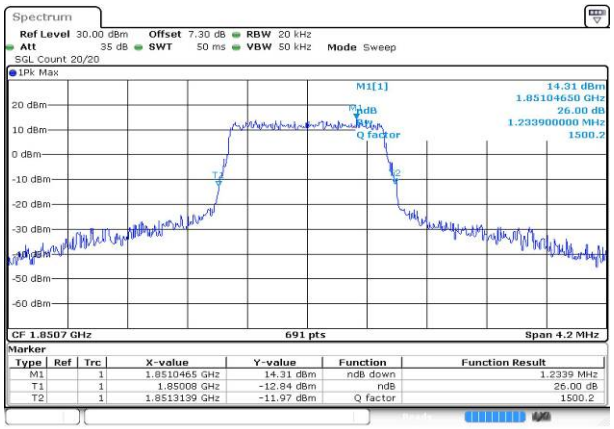

Fig.3

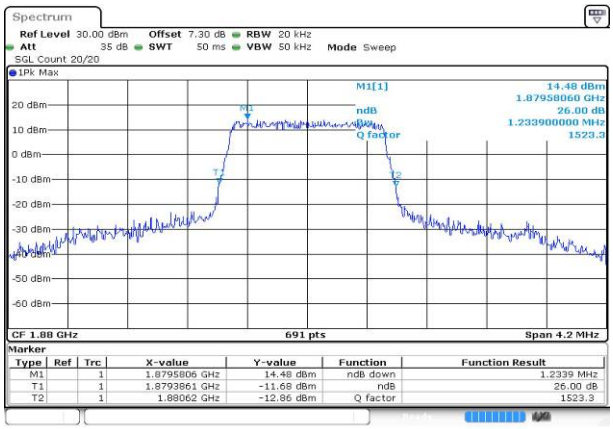

Fig.4

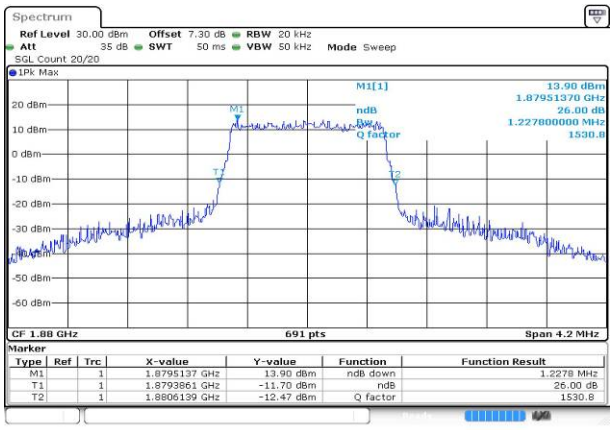

Fig.5

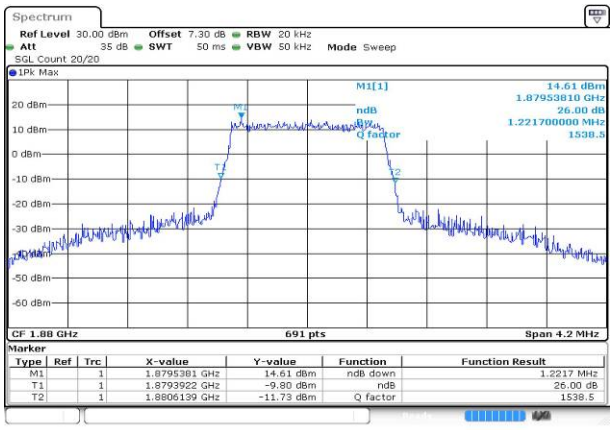

Fig.6

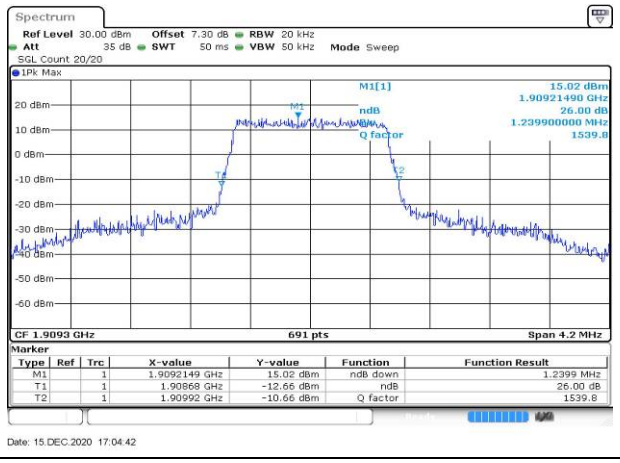

Fig.7

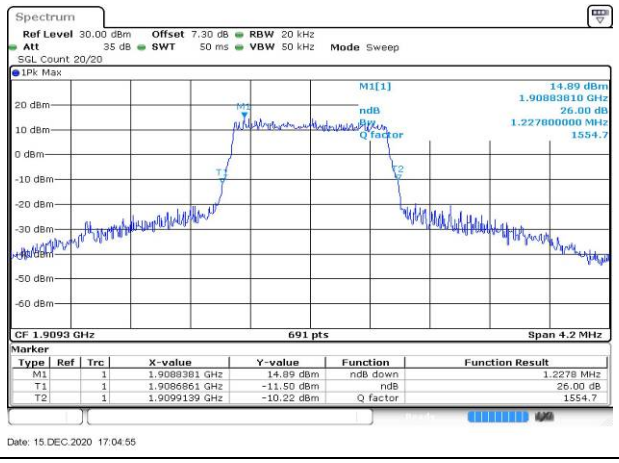

Fig.8

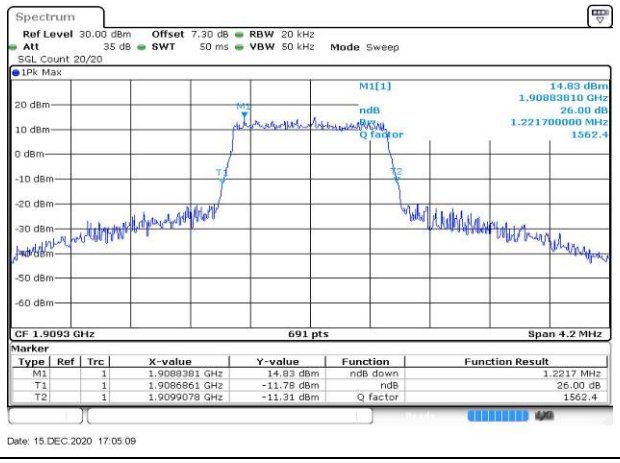

Fig.9

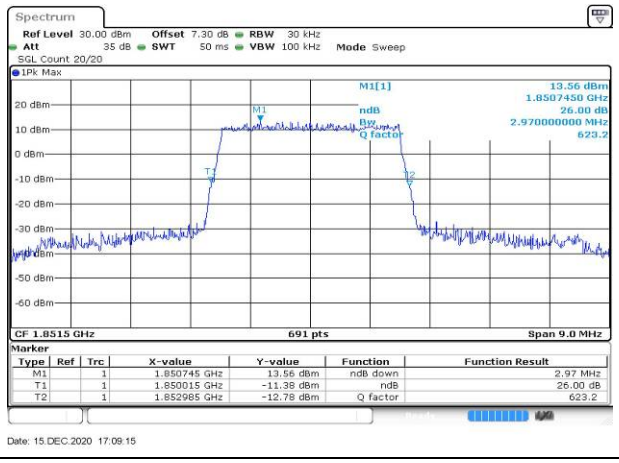

Fig.10

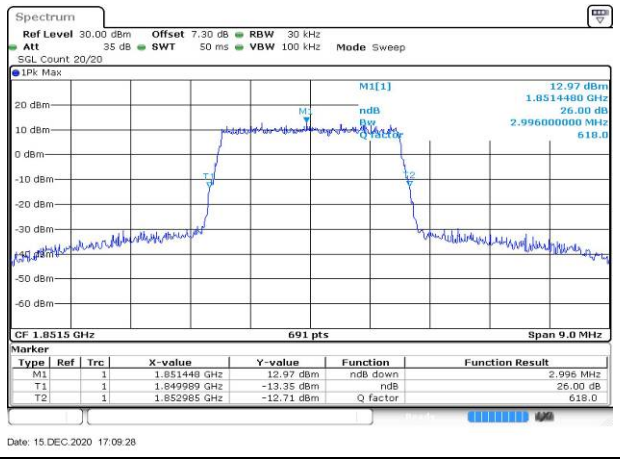

Fig.11

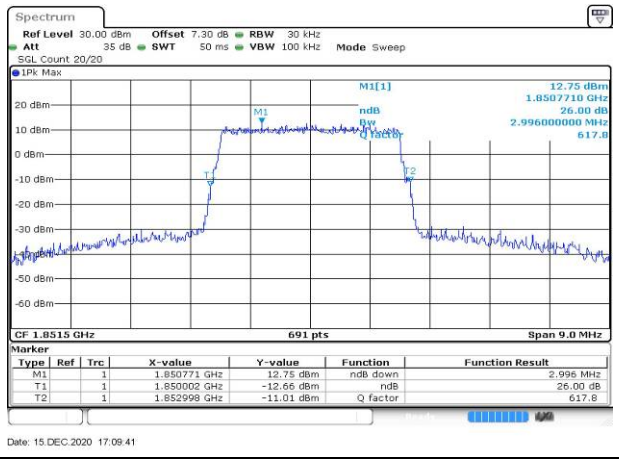

Fig.12

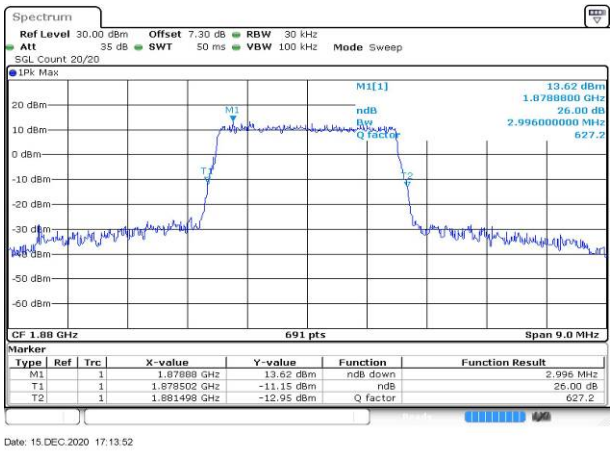

Fig.13

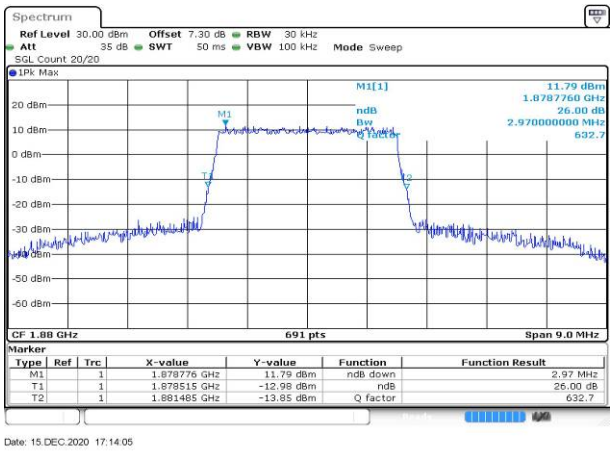

Fig.14

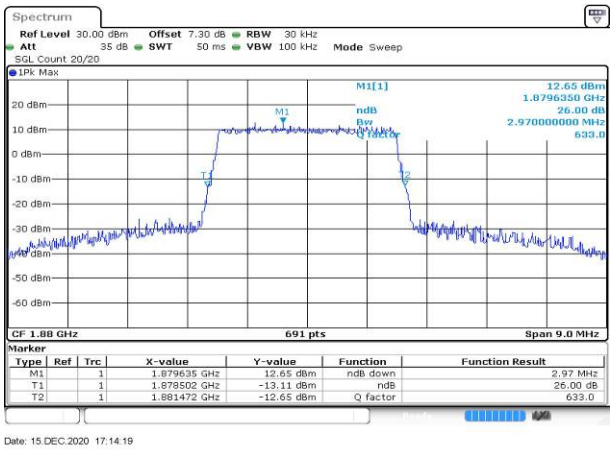

Fig.15

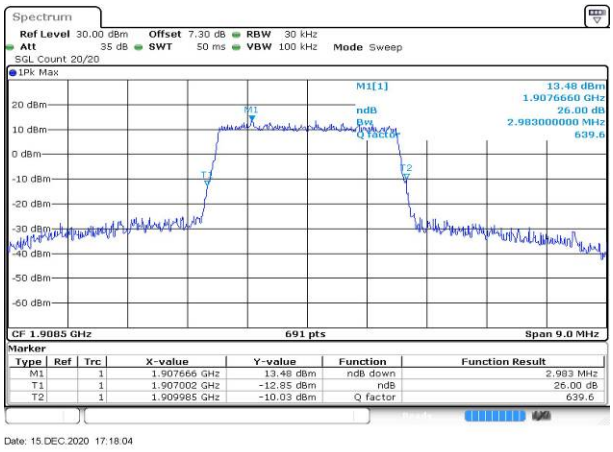

Fig.16

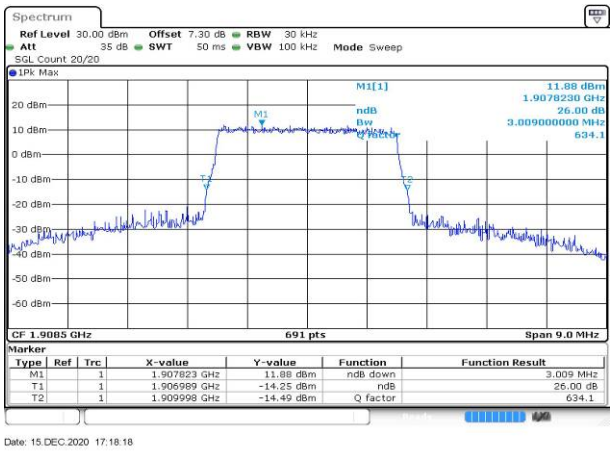

Fig.17

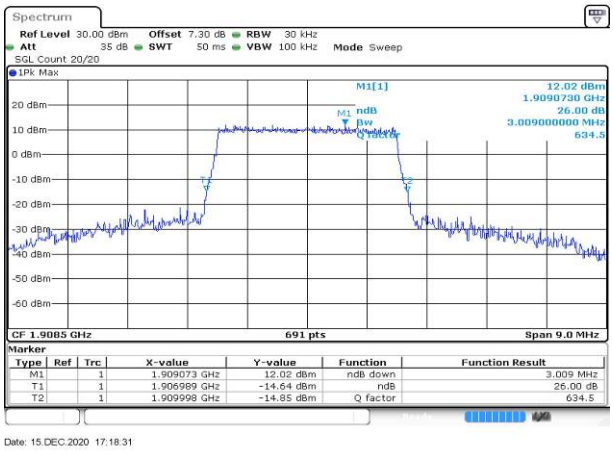

Fig.18