APPENDIX A1 – 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	24.15
				1	3	24.12
				1	5	24.22
				3	0	24.15
				3	1	24.13
				3	3	24.11
				6	0	23.01
16QAM				1	0	23.36
				1	3	23.37
				1	5	23.36
				3	0	23.05
				3	1	23.05
				3	3	23.05
				6	0	22.16
	1880	18900		1	0	23.37
				1	3	23.38
				1	5	23.47
				3	0	22.82
				3	1	22.86
				3	3	22.86
				6	0	22.13
	1909.3	19193		1	0	23.76
				1	3	23.75
				1	5	23.81
				3	0	22.90
				3	1	22.86
				3	3	22.94
				6	0	22.10

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1850.7	18607	1.4	1	0	22.16
				1	3	22.14
				1	5	22.14
				3	0	22.14
				3	1	22.14
				3	3	22.13
				6	0	22.13
	1880	18900		1	0	22.12
				1	3	22.12
				1	5	22.13
				3	0	22.12
				3	1	22.00
				3	3	21.99
				6	0	21.98
	1909.3	19193		1	0	22.10
				1	3	22.09
				1	5	22.09
				3	0	22.08
				3	1	22.07
				3	3	22.14
				6	0	22.06

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1851.5	18615	3	1	0	24.01
				1	8	23.84
				1	14	23.90
				8	0	23.14
				8	4	22.91
				8	7	22.91
				15	0	23.04
	1880	18900		1	0	23.92
				1	8	24.00
				1	14	23.93
				8	0	22.93
				8	4	22.90
				8	7	22.90
				15	0	22.81
	1908.5	19185		1	0	24.08
				1	8	24.01
				1	14	24.00
				8	0	22.97
				8	4	22.97
				8	7	22.97
				15	0	23.07
16QAM	1851.5	18615		1	0	23.29
				1	8	23.18
				1	14	23.18
				8	0	22.43
				8	4	22.31
				8	7	22.31
				15	0	22.21
	1880	18900		1	0	23.00
				1	8	23.15
				1	14	23.15
				8	0	21.99
				8	4	21.96
				8	7	22.01
				15	0	21.94
	1908.5	19185		1	0	22.66
				1	8	22.61
				1	14	22.62
				8	0	22.17
				8	4	22.21
				8	7	22.20
				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	22.21
				1	8	22.21
				1	14	22.20
				8	0	22.21
				8	4	22.20
				8	7	22.20
				15	0	22.19
	1880	18900		1	0	21.95
				1	8	21.93
				1	14	21.94
				8	0	21.93
				8	4	21.94
				8	7	21.93
				15	0	21.87
	1908.5	19185		1	0	22.14
				1	8	22.14
				1	14	22.14
				8	0	22.14
				8	4	22.03
				8	7	22.04
				15	0	22.04

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1852.5	18625	5	1	0	23.94
				1	12	23.92
				1	24	23.90
				12	0	23.08
				12	7	22.94
				12	13	22.94
				25	0	22.90
	1880	18900		1	0	23.83
				1	12	24.05
				1	24	24.06
				12	0	22.92
				12	7	22.84
				12	13	22.84
				25	0	22.90
	1907.5	19175		1	0	23.89
				1	12	23.91
				1	24	23.89
				12	0	23.10
				12	7	23.03
				12	13	23.03
				25	0	22.97
16QAM	1852.5	18625		1	0	22.40
				1	12	22.17
				1	24	22.17
				12	0	22.18
				12	7	21.96
				12	13	22.10
				25	0	22.11
	1880	18900		1	0	22.90
				1	12	23.16
				1	24	23.17
				12	0	21.93
				12	7	21.98
				12	13	22.04
				25	0	22.00
	1907.5	19175		1	0	22.97
				1	12	22.97
				1	24	23.09
				12	0	22.08
				12	7	22.07
				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	22.21
				1	12	22.21
				1	24	22.22
				12	0	22.23
				12	7	22.12
				12	13	22.21
				25	0	22.13
	1880	18900		1	0	22.00
				1	12	22.00
				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	22.16
				1	12	22.16
				1	24	22.16
				12	0	22.16
				12	7	22.05
				12	13	22.05
				25	0	22.05

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1880	18900	10	1	0	23.63
				1	25	23.91
				1	49	23.90
				25	0	22.80
				25	12	23.03
				25	25	23.03
				50	0	22.85
	1905	19150		1	0	24.04
				1	25	24.02
				1	49	24.11
				25	0	22.99
				25	12	23.04
				25	25	23.10
				50	0	23.06
16QAM	1855	18650		1	0	22.66
				1	25	22.42
				1	49	22.38
				25	0	22.15
				25	12	22.15
				25	25	22.14
				50	0	22.13
	1880	18900		1	0	22.96
				1	25	23.24
				1	49	23.40
				25	0	21.88
				25	12	22.08
				25	25	22.08
				50	0	21.98
	1905	19150		1	0	23.73
				1	25	23.73
				1	49	23.72
				25	0	22.16
				25	12	22.16
				25	25	22.17
				50	0	22.11

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1855	18650	10	1	0	22.11
				1	25	22.10
				1	49	22.10
				25	0	22.09
				25	12	22.09
				25	25	22.08
				50	0	22.07
	1880	18900		1	0	21.98
				1	25	21.98
				1	49	21.98
				25	0	21.98
				25	12	21.99
				25	25	21.99
				50	0	21.98
	1905	19150		1	0	22.12
				1	25	22.11
				1	49	22.11
				25	0	22.12
				25	12	22.12
				25	25	22.12
				50	0	22.12

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1880	18900	15	1	0	23.65
				1	37	23.83
				1	74	23.82
				36	0	22.79
				36	29	22.93
				36	30	22.93
				75	0	22.92
	1902.5	19125		1	0	24.03
				1	37	24.01
				1	74	23.98
				36	0	23.03
				36	29	23.04
				36	30	23.04
				75	0	22.90
16QAM	1857.5	18675		1	0	23.41
				1	37	23.32
				1	74	23.29
				36	0	22.15
				36	29	21.93
				36	30	22.04
				75	0	22.04
	1880	18900		1	0	22.90
				1	37	23.16
				1	74	23.10
				36	0	22.00
				36	29	22.01
				36	30	22.01
				75	0	21.99
	1902.5	19125		1	0	23.74
				1	37	23.73
				1	74	23.21
				36	0	22.11
				36	29	22.11
				36	30	22.12
				75	0	22.13

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1857.5	18675	15	1	0	22.03
				1	37	22.02
				1	74	22.01
				36	0	22.02
				36	29	22.01
				36	30	22.00
				75	0	22.01
	1880	18900		1	0	21.84
				1	37	21.91
				1	74	22.04
				36	0	21.91
				36	29	21.91
				36	30	21.95
				75	0	21.96
	1902.5	19125		1	0	22.13
				1	37	22.14
				1	74	22.14
				36	0	22.14
				36	29	22.14
				36	30	22.14
				75	0	22.14

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1860	18700	20	1	0	24.23
				1	49	23.82
				1	99	23.81
				50	0	23.07
				50	24	22.72
				50	50	22.73
				100	0	22.92
	1880	18900		1	0	23.87
				1	49	24.17
				1	99	24.20
				50	0	22.70
				50	24	22.95
				50	50	22.95
				100	0	22.87
	1900	19100		1	0	24.07
				1	49	24.04
				1	99	24.01
				50	0	23.05
				50	24	22.92
				50	50	22.93
				100	0	22.98
16QAM	1860	18700		1	0	23.27
				1	49	22.91
				1	99	22.91
				50	0	22.15
				50	24	21.86
				50	50	21.94
				100	0	21.96
	1880	18900		1	0	22.75
				1	49	23.06
				1	99	23.06
				50	0	21.81
				50	24	22.14
				50	50	22.14
				100	0	21.87
	1900	19100		1	0	23.72
				1	49	23.74
				1	99	23.70
				50	0	22.14
				50	24	22.12
				50	50	22.13
				100	0	22.07

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1860	18700	20	1	0	21.96
				1	49	21.96
				1	99	21.95
				50	0	21.96
				50	24	21.96
				50	50	21.96
				100	0	21.96
	1880	18900		1	0	21.94
				1	49	21.87
				1	99	22.20
				50	0	21.87
				50	24	21.88
				50	50	21.98
				100	0	21.88
	1900	19100		1	0	22.08
				1	49	22.08
				1	99	22.08
				50	0	22.08
				50	24	22.09
				50	50	22.09
				100	0	22.08

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	1.082	Fig.1	1.094	Fig.2	1.088	Fig.3
	1880	18900		6	0	1.088	Fig.4	1.082	Fig.5	1.082	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	2.696	Fig.11	2.683	Fig.12
	1880	18900		15	0	2.683	Fig.13	2.683	Fig.14	2.683	Fig.15
	1908.5	19185		15	0	2.696	Fig.16	2.683	Fig.17	2.683	Fig.18
	1852.5	18625	5	25	0	4.472	Fig.19	4.472	Fig.20	4.472	Fig.21
	1880	18900		25	0	4.472	Fig.22	4.472	Fig.23	4.472	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	8.944	Fig.35	8.944	Fig.36
	1857.5	18675	15	75	0	13.415	Fig.37	13.415	Fig.38	13.480	Fig.39
	1880	18900		75	0	13.415	Fig.40	13.480	Fig.41	13.415	Fig.42
	1902.5	19125		75	0	13.415	Fig.43	13.415	Fig.44	13.480	Fig.45
	1860	18700	20	100	0	17.887	Fig.46	17.887	Fig.47	17.887	Fig.48
	1880	18900		100	0	17.974	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

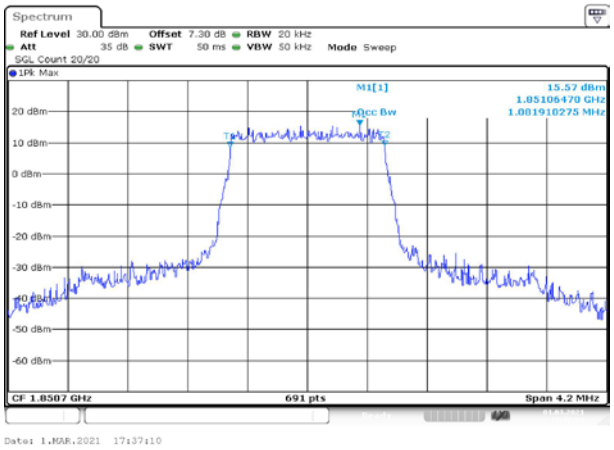


Fig.1

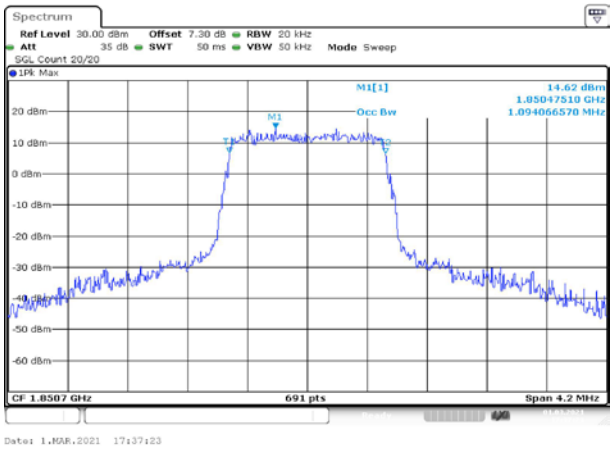


Fig.2

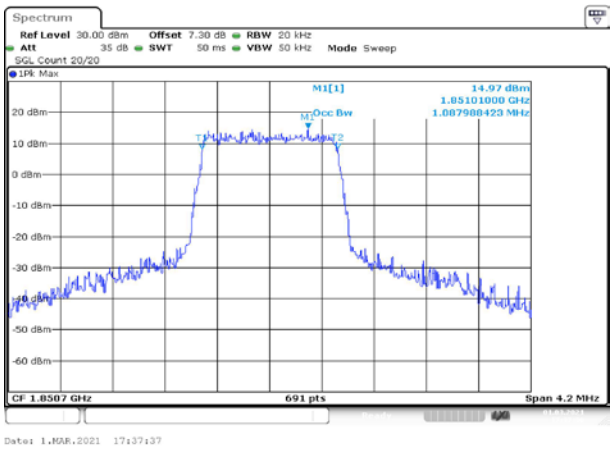


Fig.3

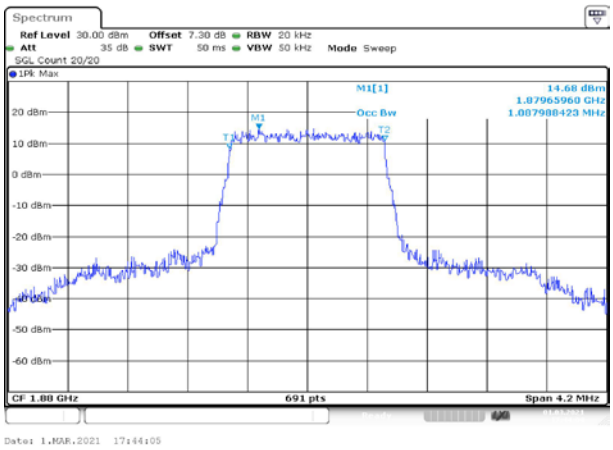


Fig.4

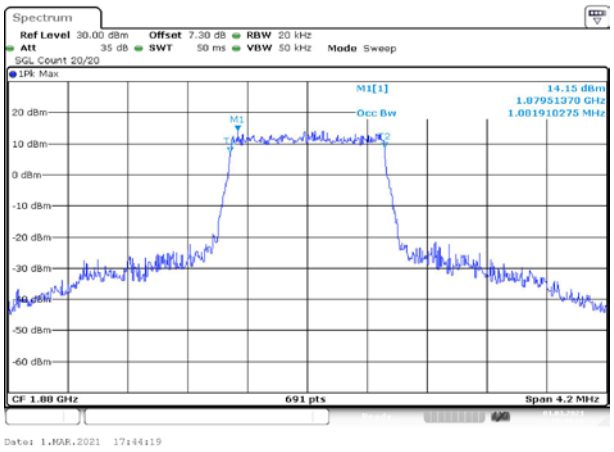


Fig.5

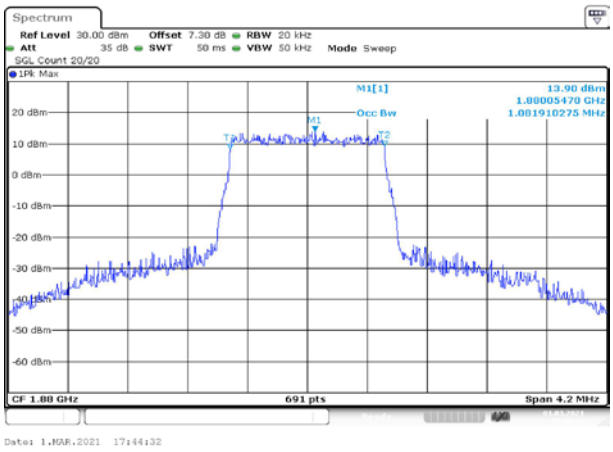


Fig.6

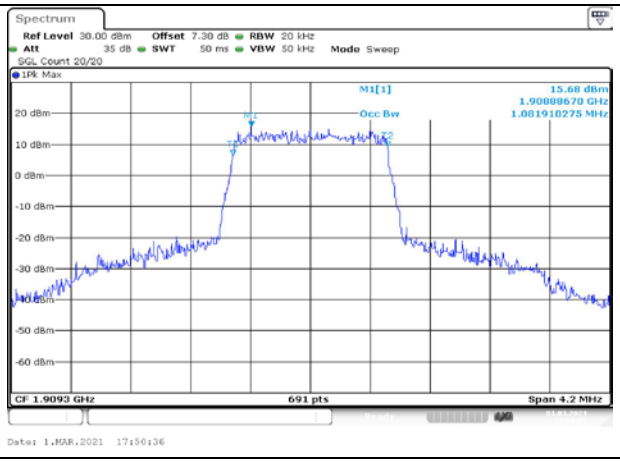


Fig.7

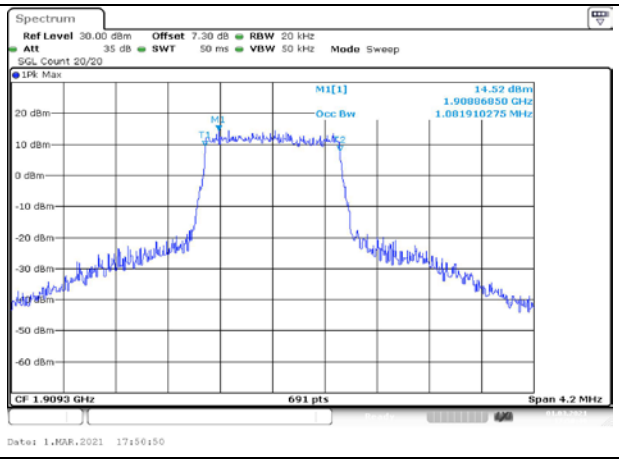


Fig.8

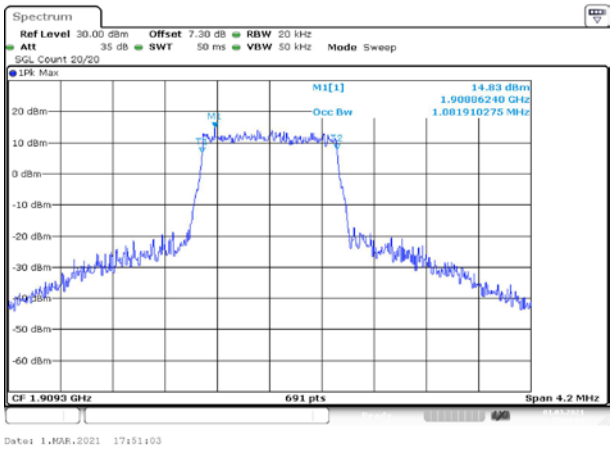


Fig.9

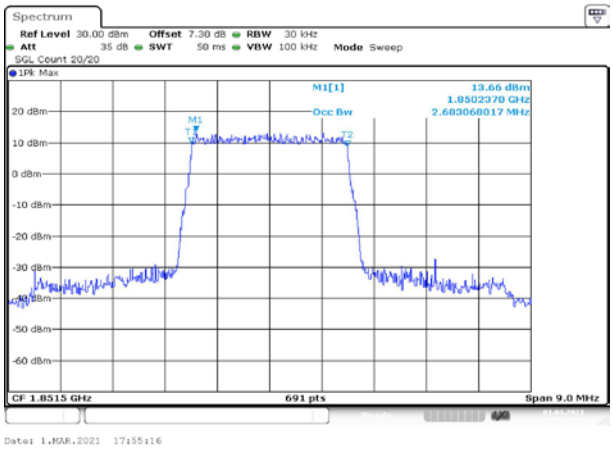


Fig.10

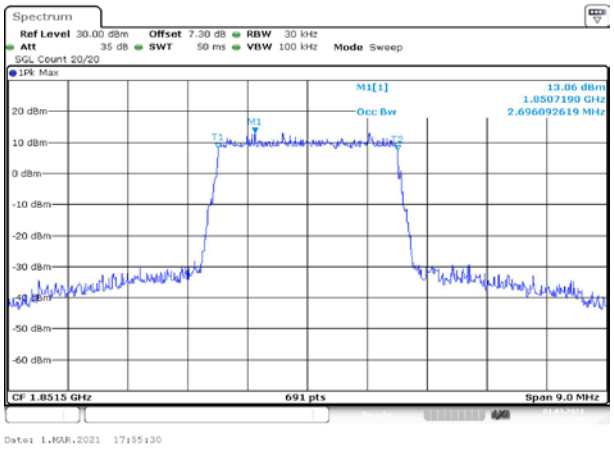


Fig.11

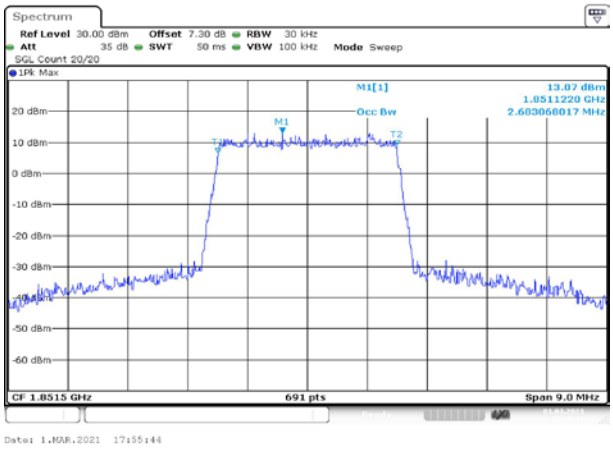


Fig.12

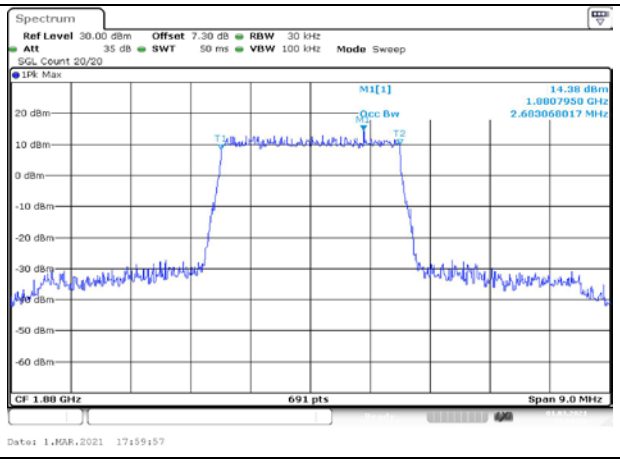


Fig.13

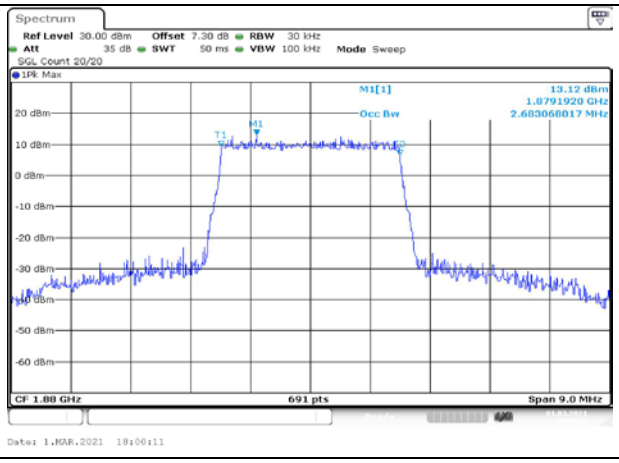


Fig.14

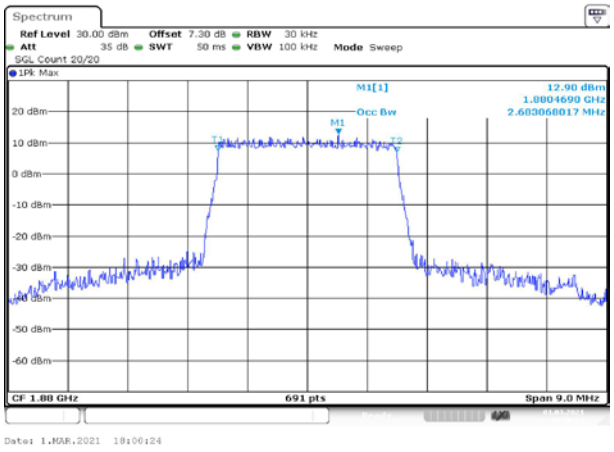


Fig.15

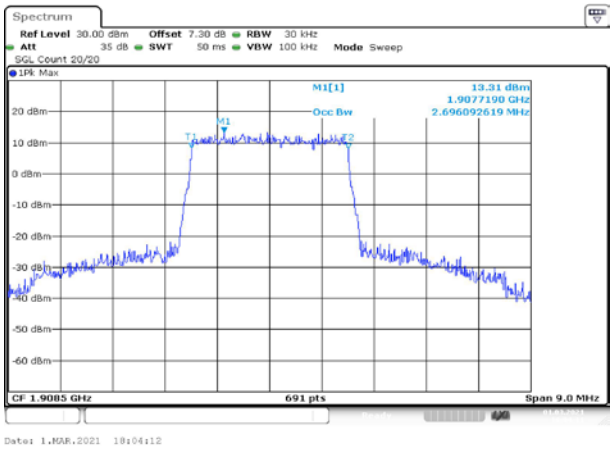


Fig.16

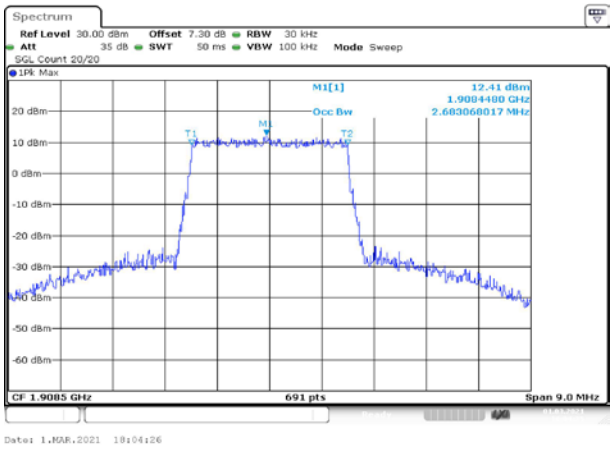


Fig.17

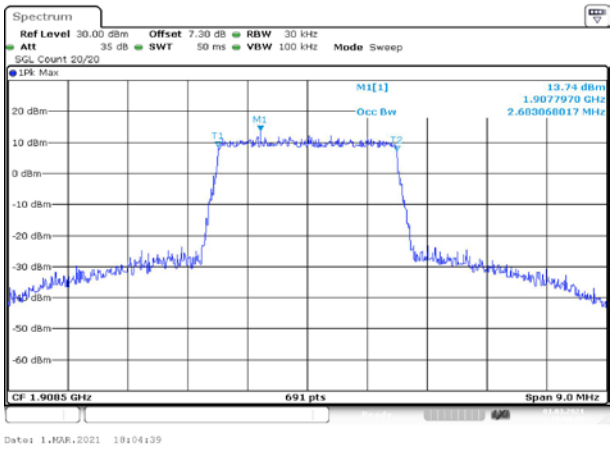
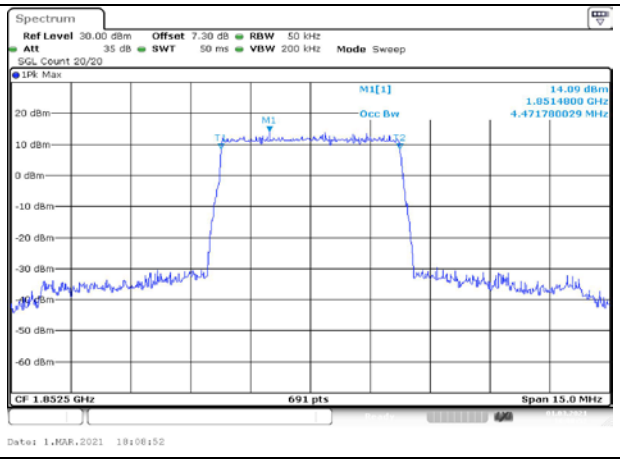


Fig.18



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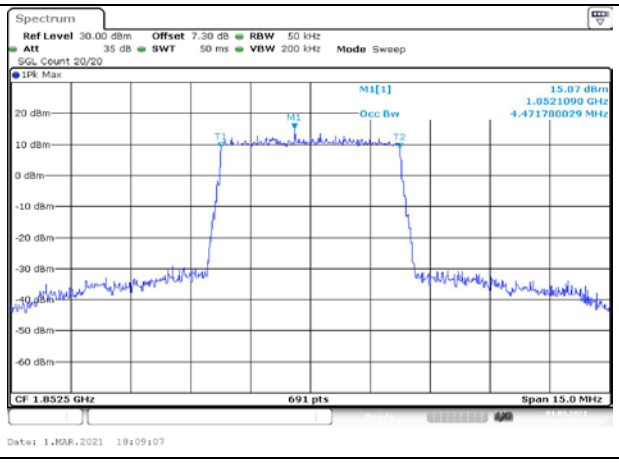
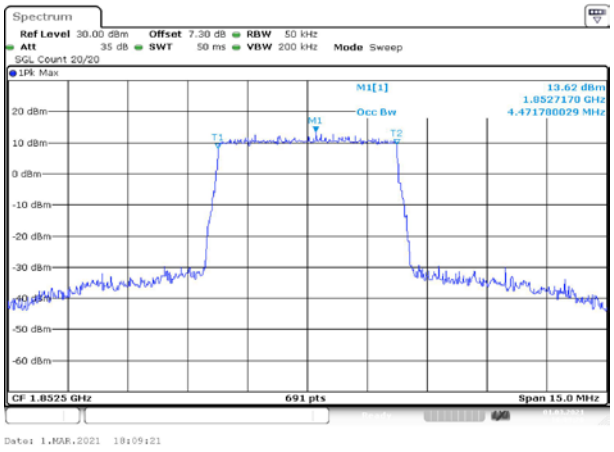


Fig.20



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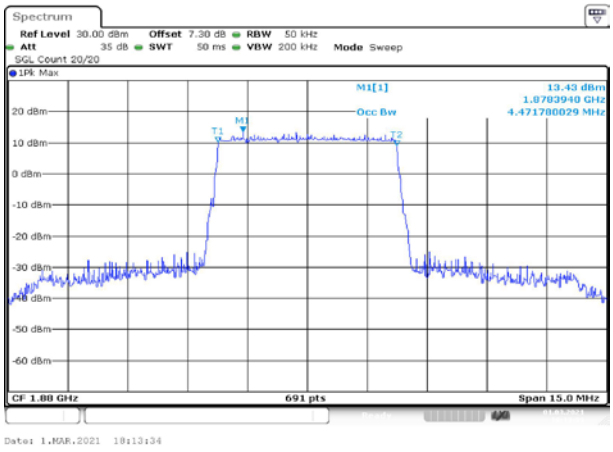

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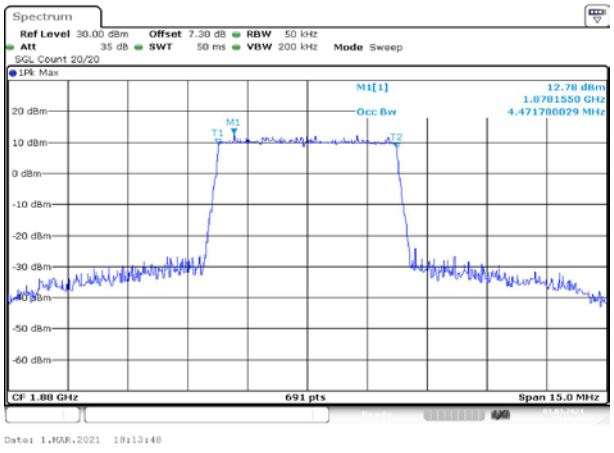

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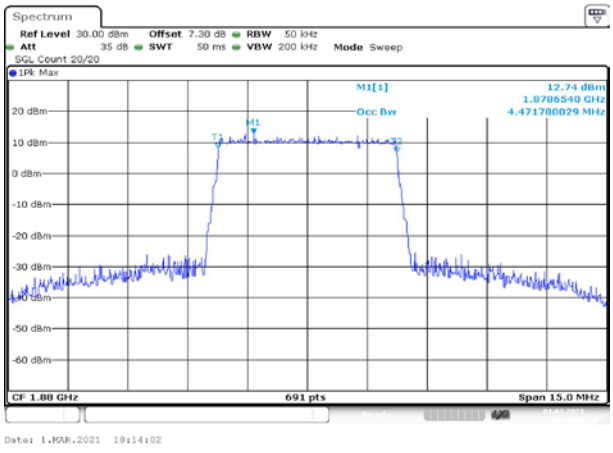

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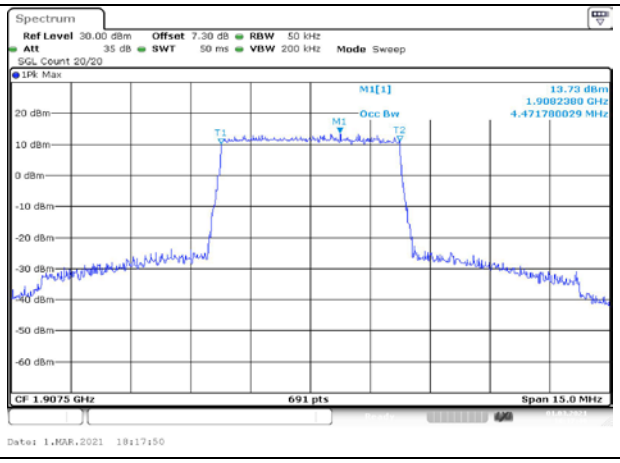

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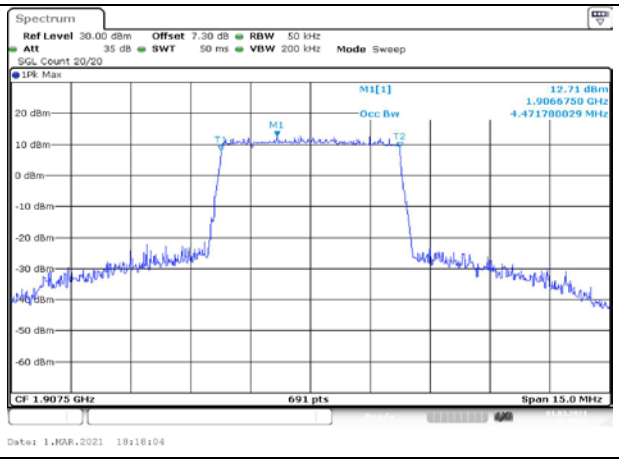

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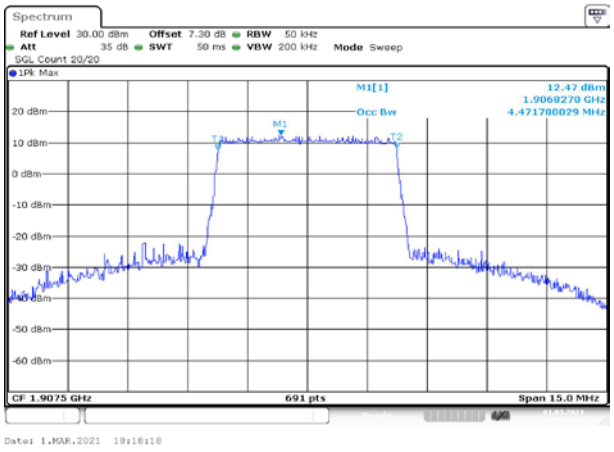

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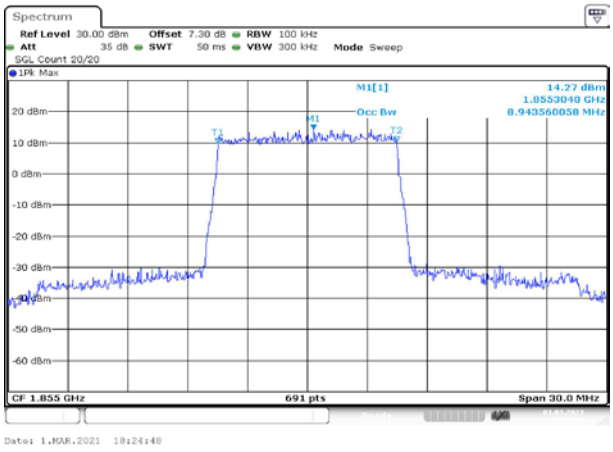

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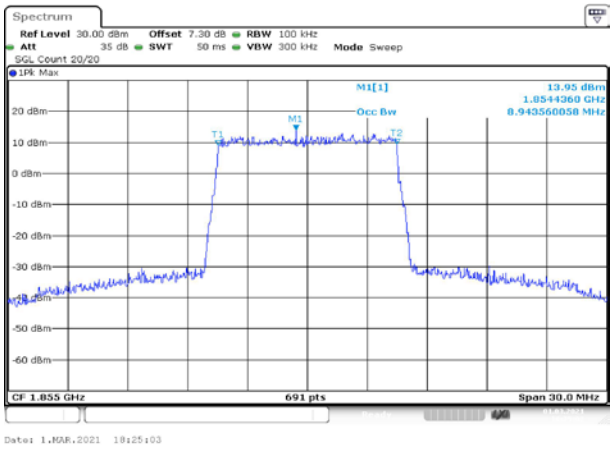

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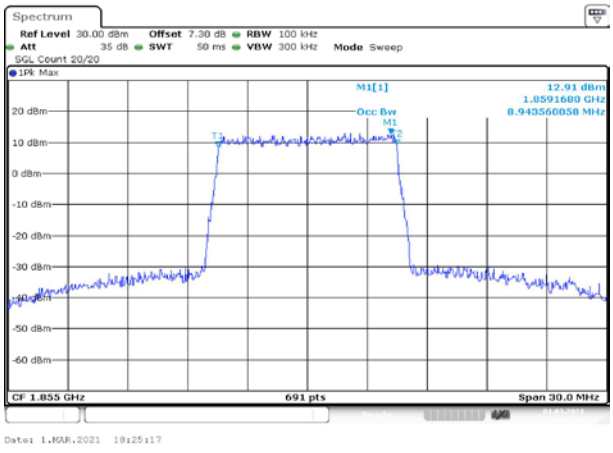

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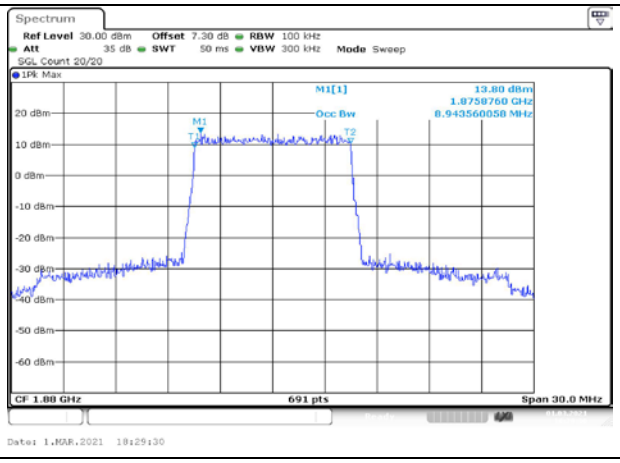

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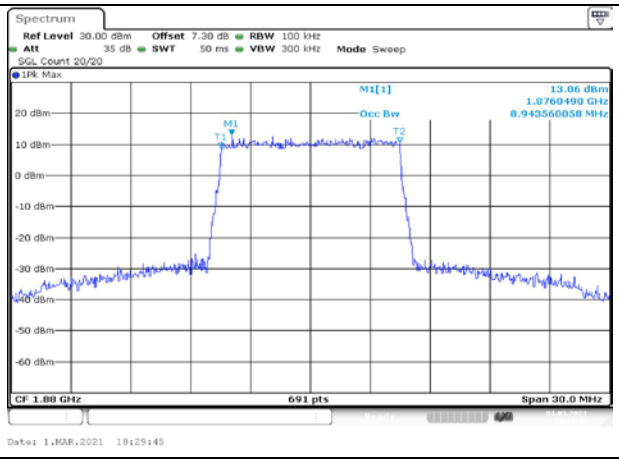

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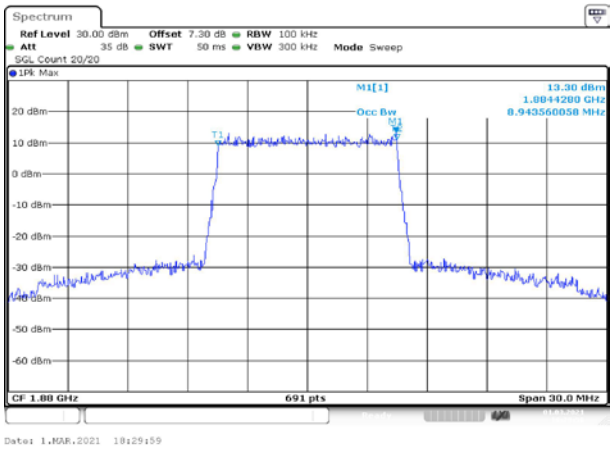

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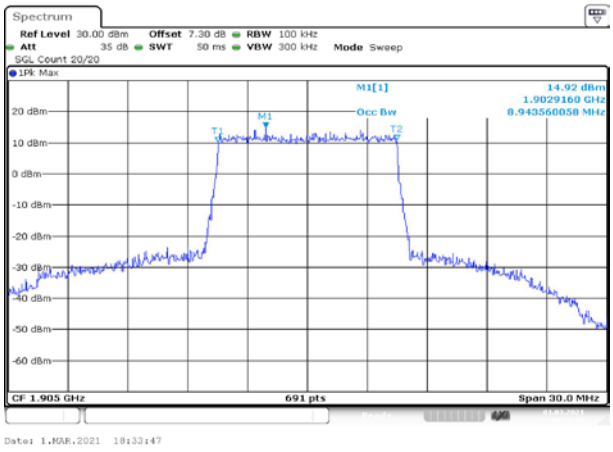

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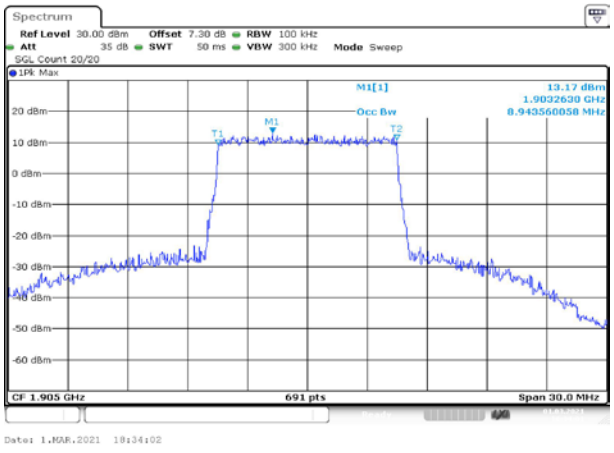

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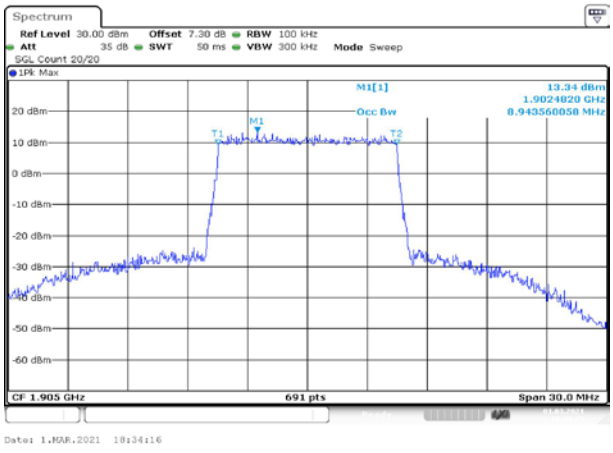

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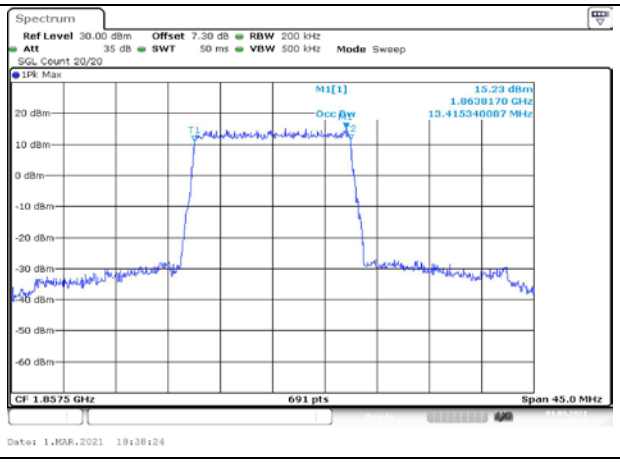

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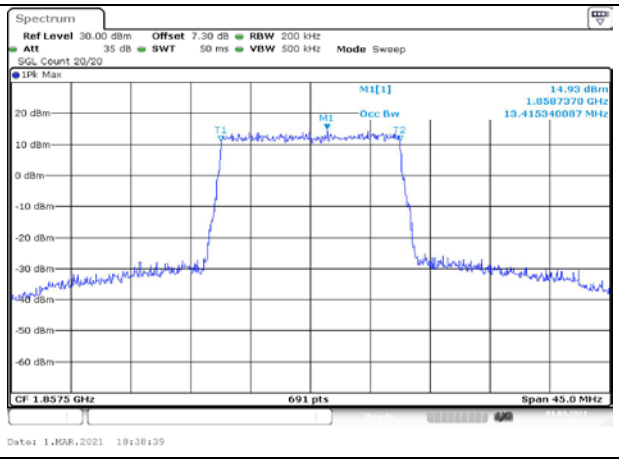

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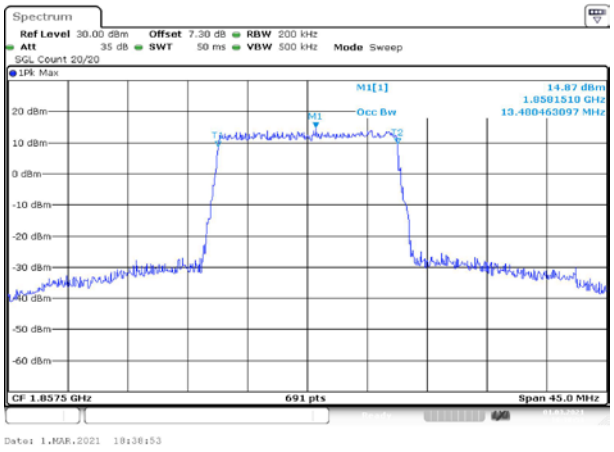

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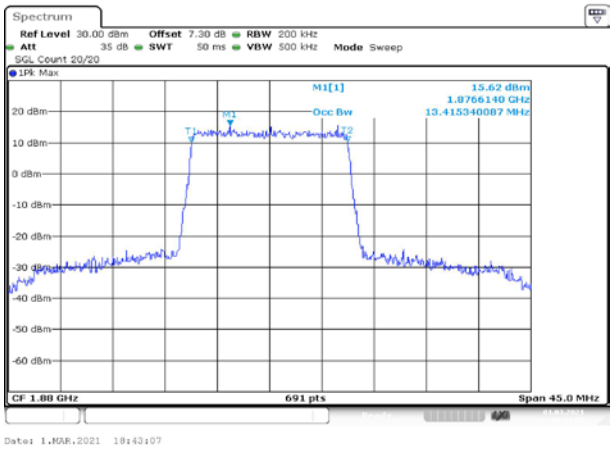

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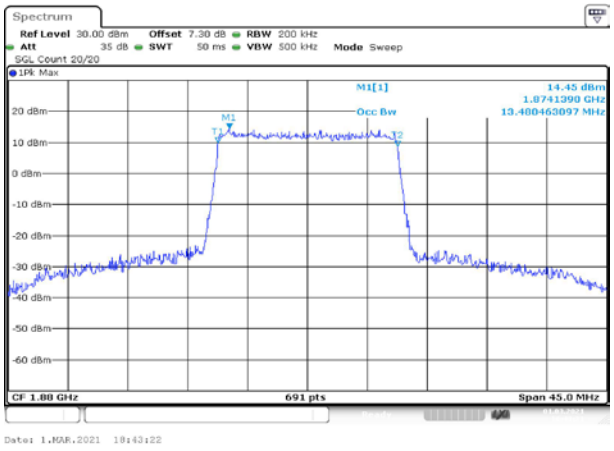

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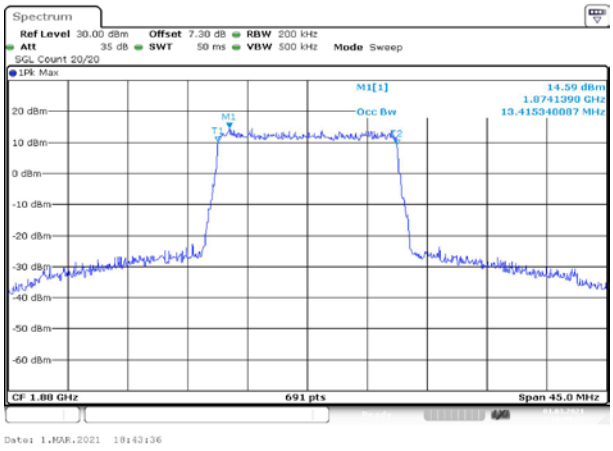

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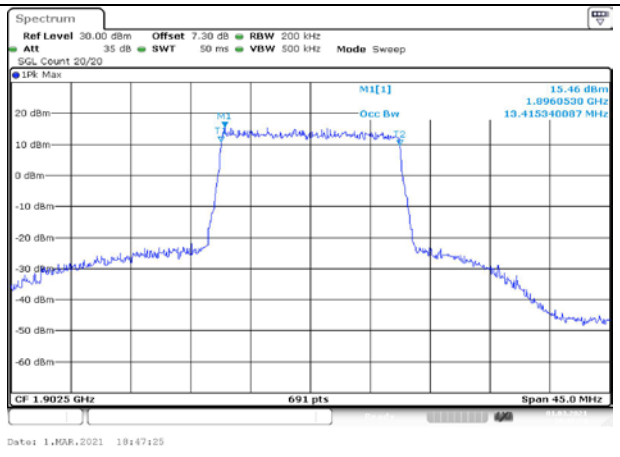

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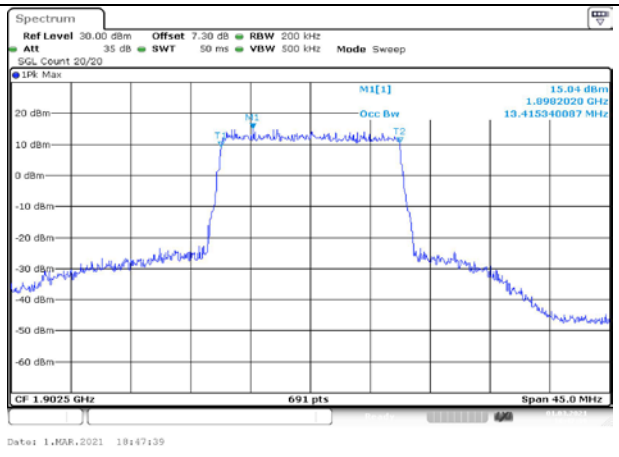

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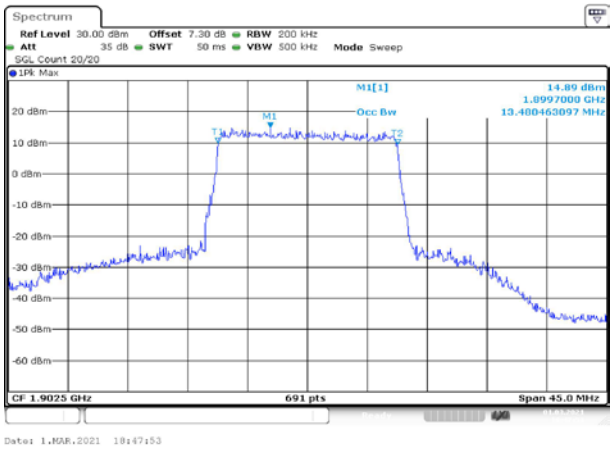

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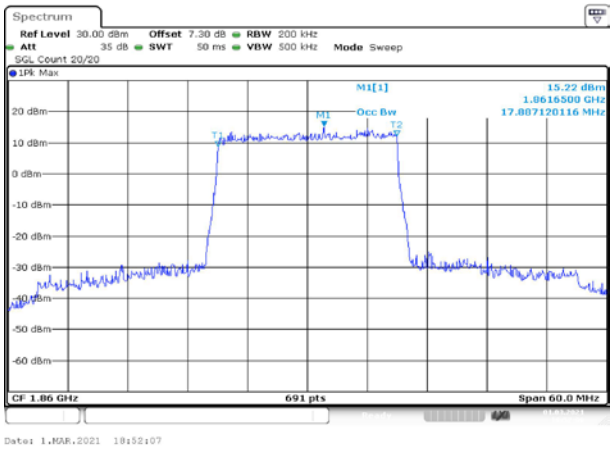

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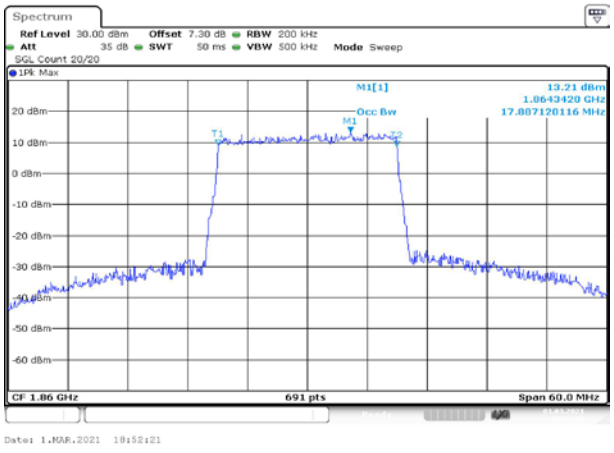

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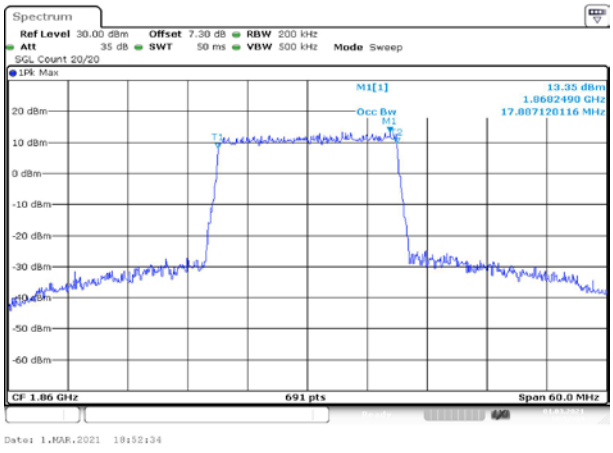

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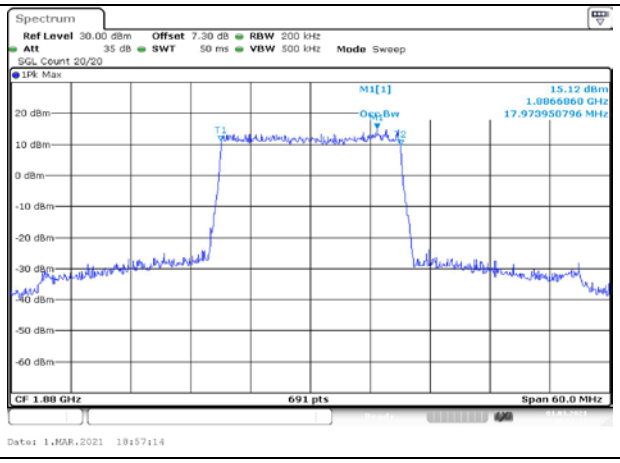


Fig.49

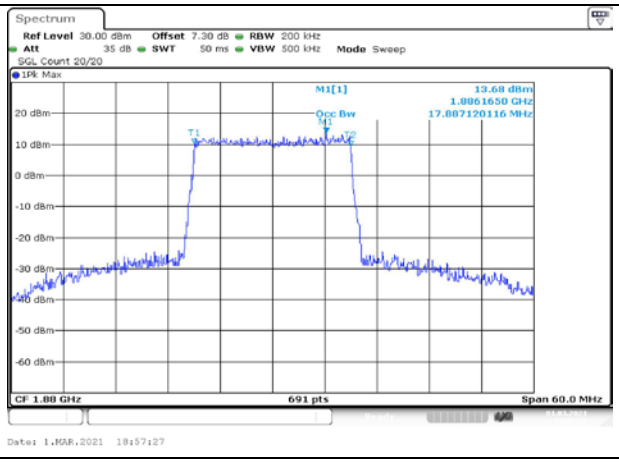
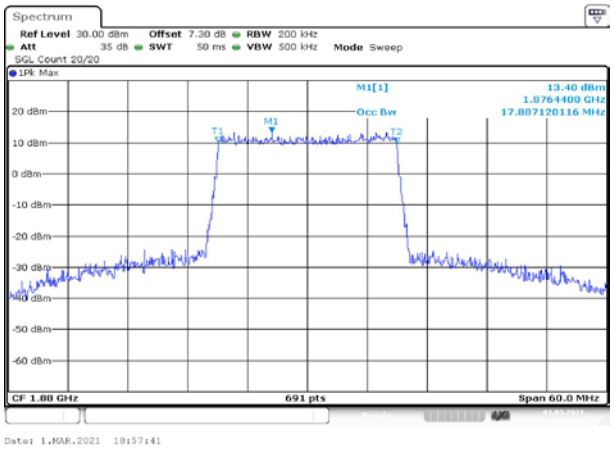


Fig.50



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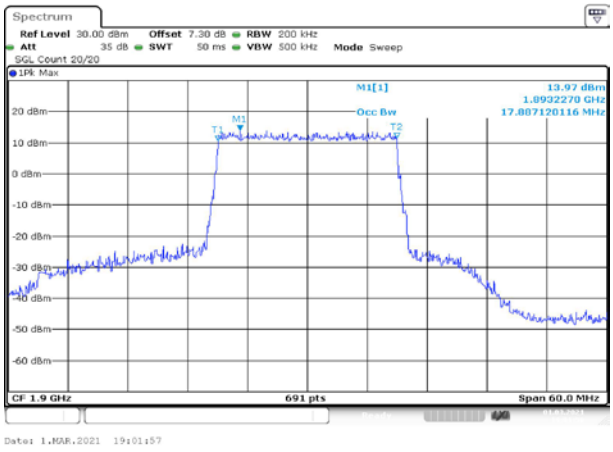
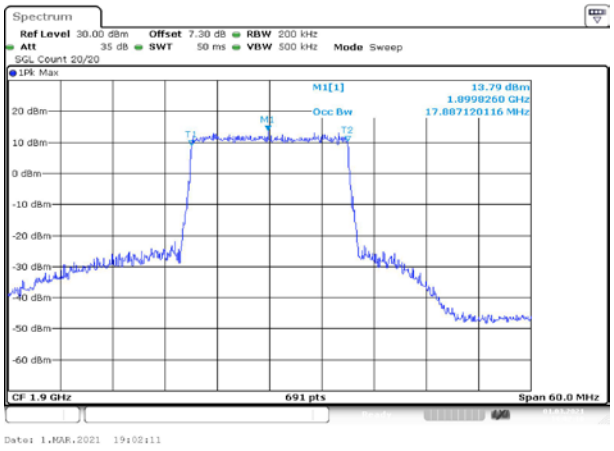


Fig.52



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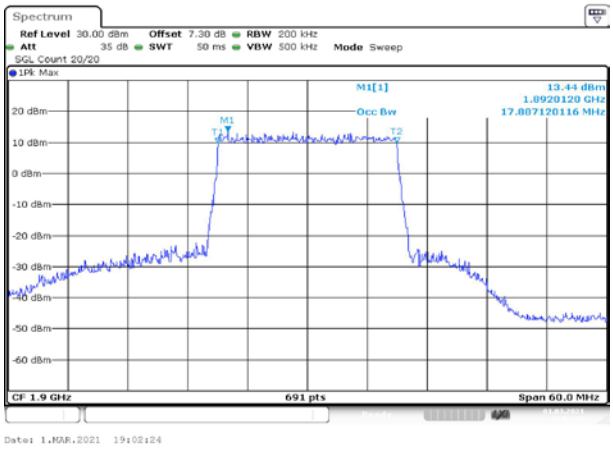


Fig.54

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	1.228	Fig.2	1.228	Fig.3
	1880	18900		6	0	1.228	Fig.4	1.228	Fig.5	1.228	Fig.6
	1909.3	19193		6	0	1.222	Fig.7	1.234	Fig.8	1.222	Fig.9
	1851.5	18615	3	15	0	2.983	Fig.10	2.970	Fig.11	2.970	Fig.12
	1880	18900		15	0	2.931	Fig.13	2.970	Fig.14	2.983	Fig.15
	1908.5	19185		15	0	2.996	Fig.16	2.983	Fig.17	2.996	Fig.18
	1852.5	18625	5	25	0	4.906	Fig.19	4.884	Fig.20	4.884	Fig.21
	1880	18900		25	0	4.884	Fig.22	4.906	Fig.23	4.906	Fig.24
	1907.5	19175		25	0	4.841	Fig.25	4.928	Fig.26	4.906	Fig.27
	1855	18650	10	50	0	9.725	Fig.28	9.768	Fig.29	9.768	Fig.30
	1880	18900		50	0	9.725	Fig.31	9.725	Fig.32	9.682	Fig.33
	1905	19150		50	0	9.595	Fig.34	9.725	Fig.35	9.638	Fig.36
	1857.5	18675	15	75	0	14.718	Fig.37	14.653	Fig.38	14.653	Fig.39
	1880	18900		75	0	14.783	Fig.40	14.522	Fig.41	14.718	Fig.42
	1902.5	19125		75	0	14.718	Fig.43	14.653	Fig.44	14.783	Fig.45
	1860	18700	20	100	0	19.103	Fig.46	19.276	Fig.47	19.450	Fig.48
	1880	18900		100	0	19.363	Fig.49	19.537	Fig.50	19.363	Fig.51
	1900	19100		100	0	19.537	Fig.52	19.276	Fig.53	19.190	Fig.54

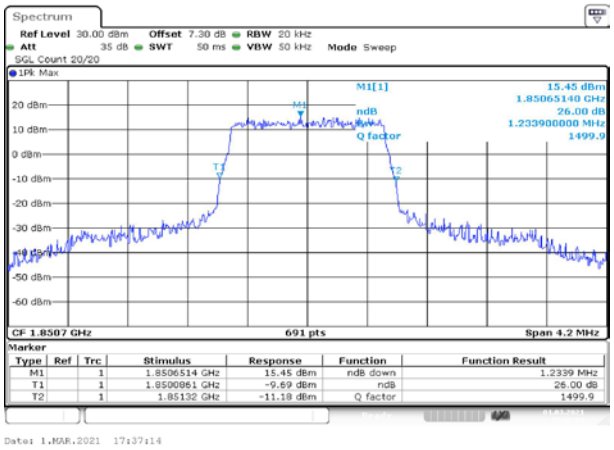


Fig.1

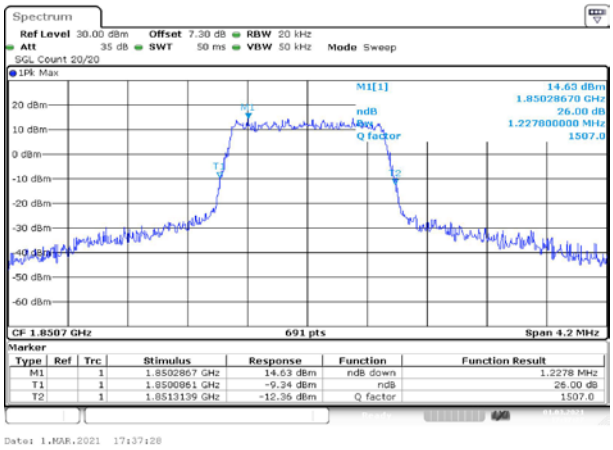
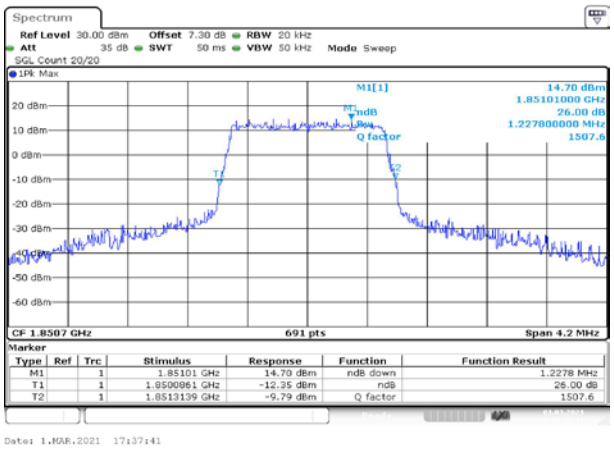


Fig.2



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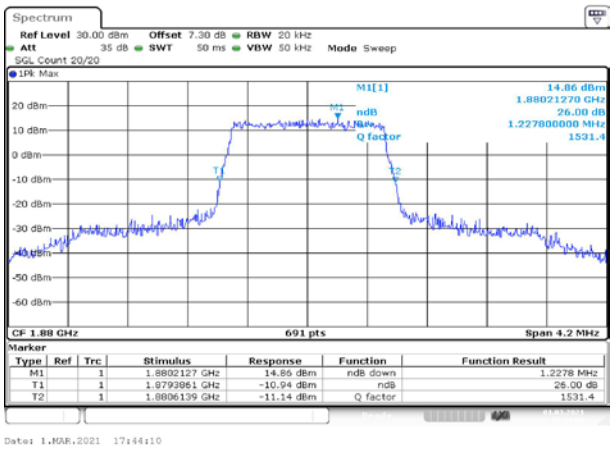


Fig.4

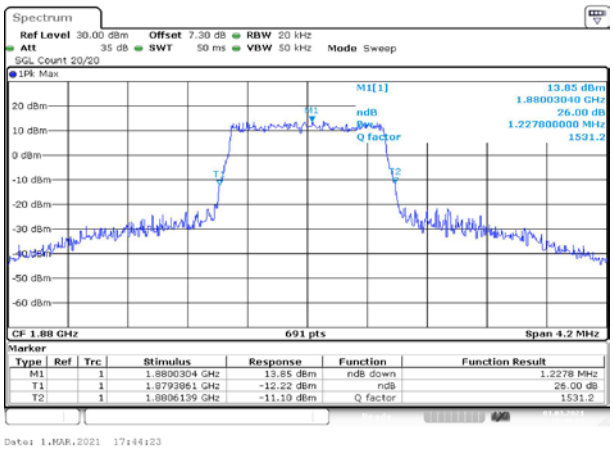


Fig.5

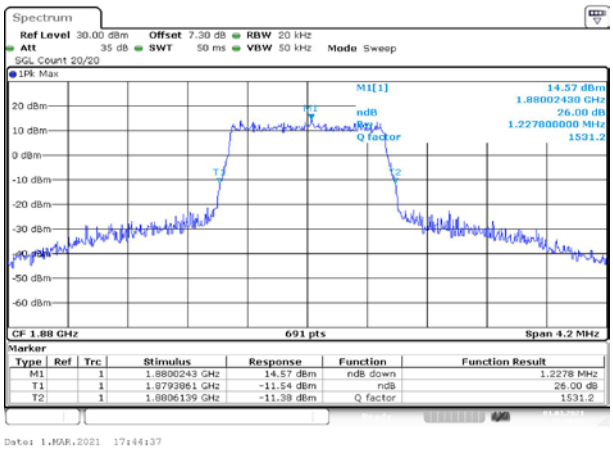


Fig.6

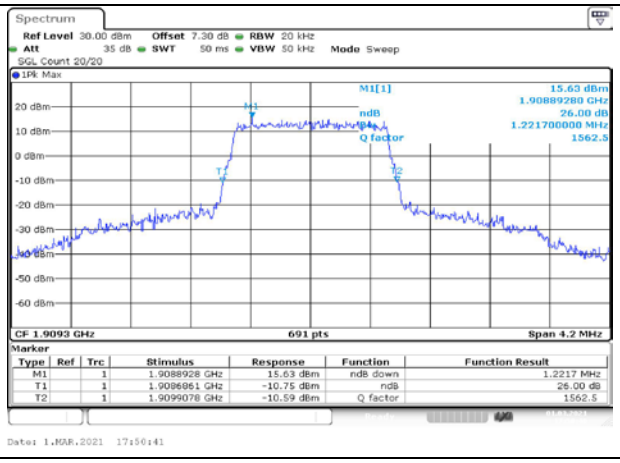


Fig.7

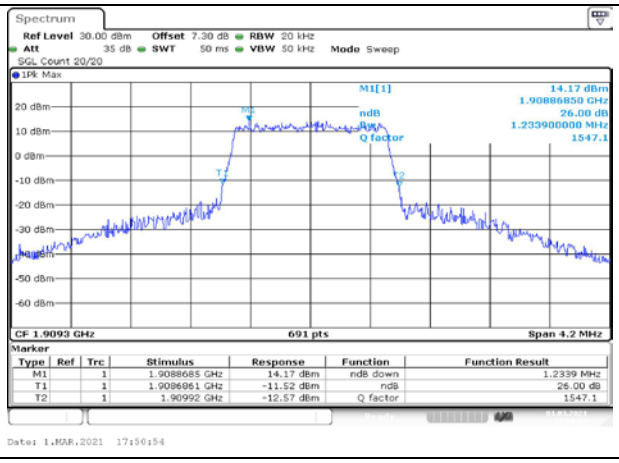


Fig.8

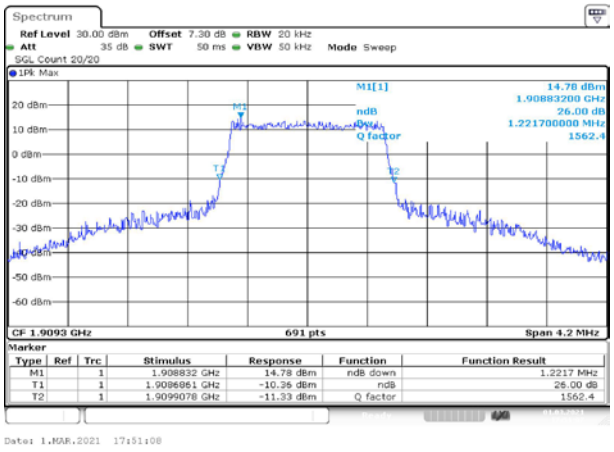
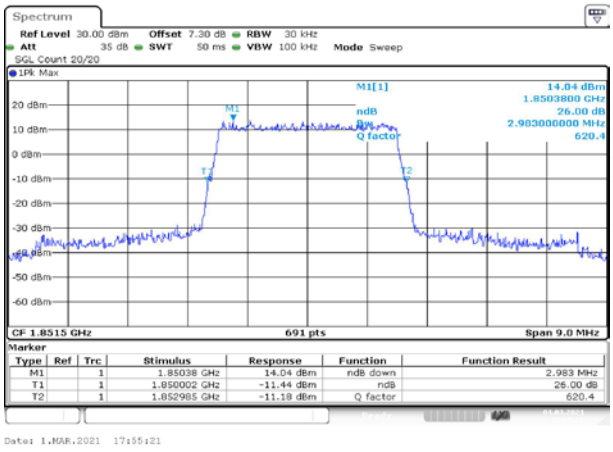


Fig.9



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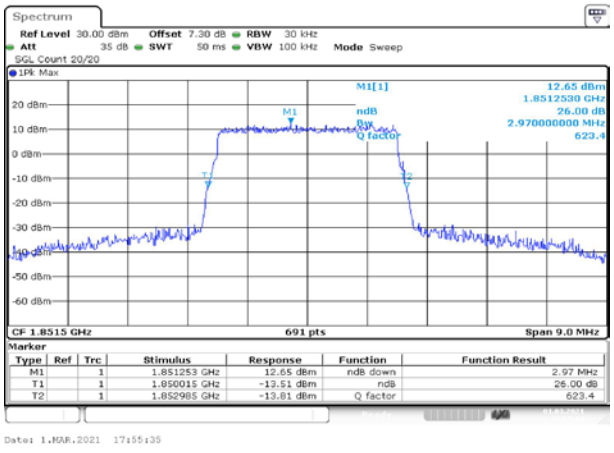

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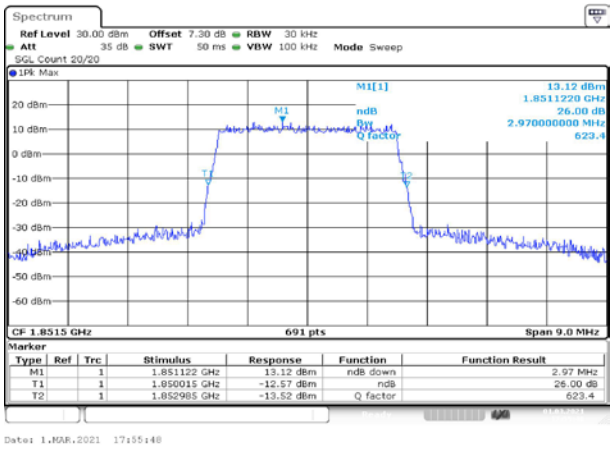

Fig.12

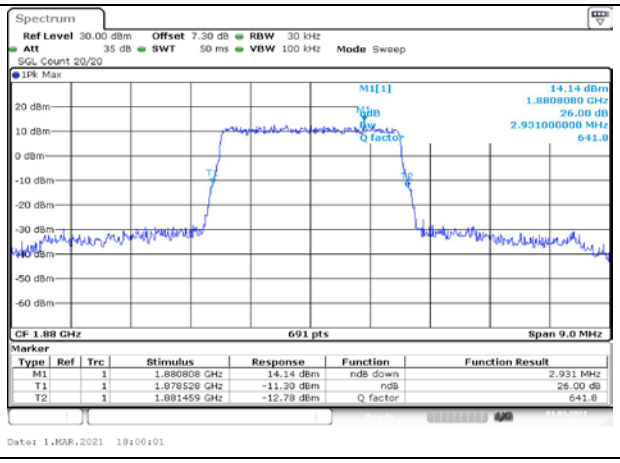

Fig.13

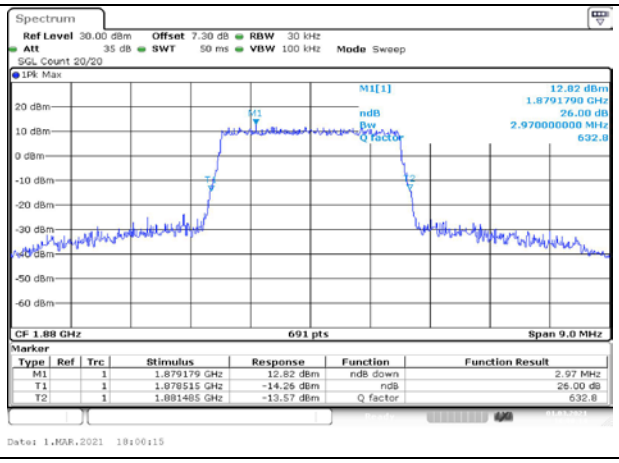

Fig.14

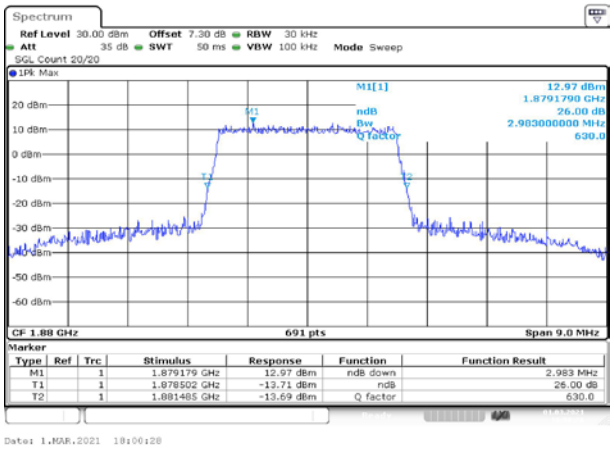

Fig.15

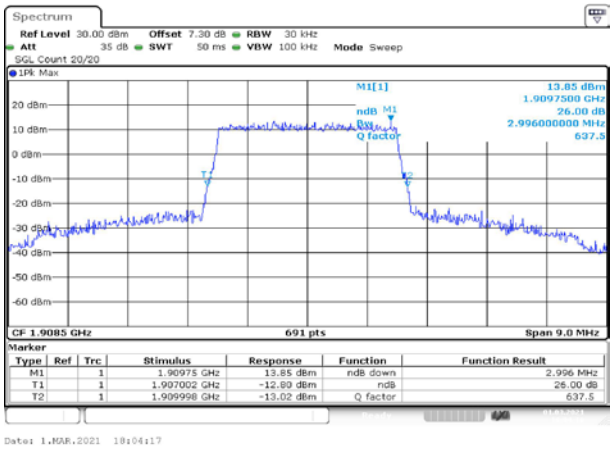

Fig.16

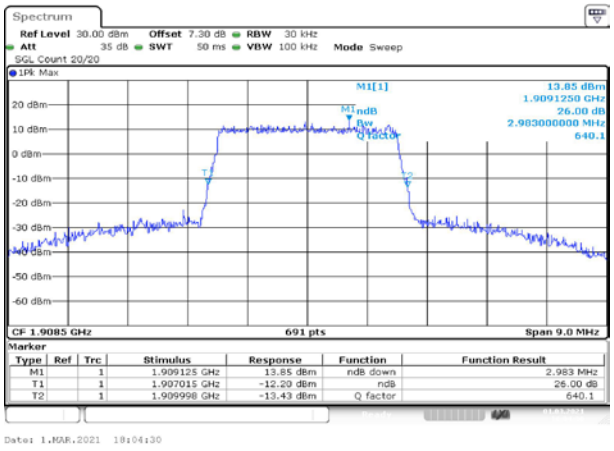

Fig.17

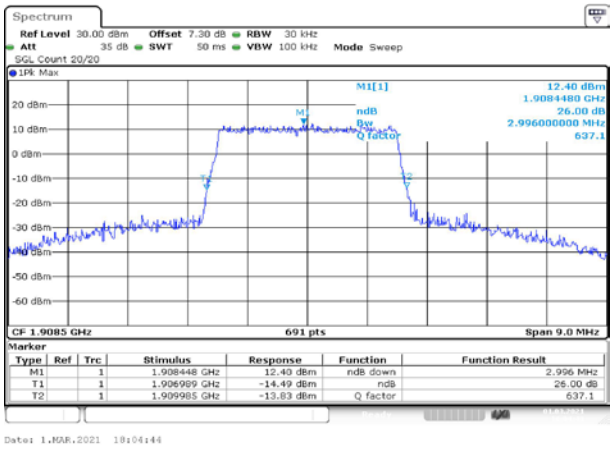

Fig.18

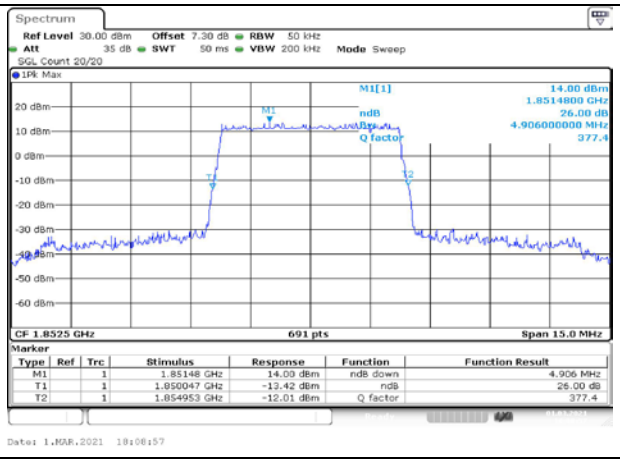

Fig.19

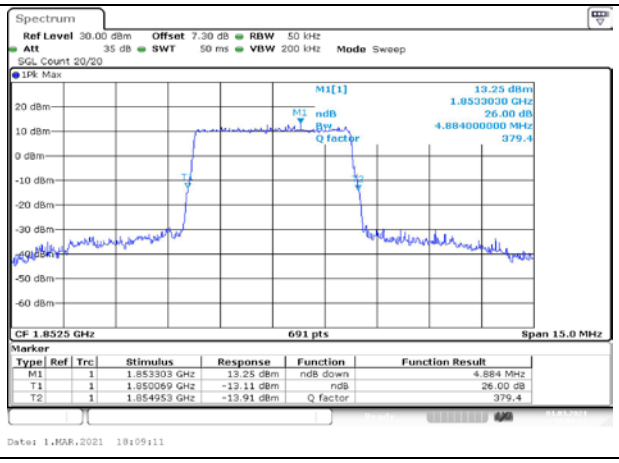

Fig.20

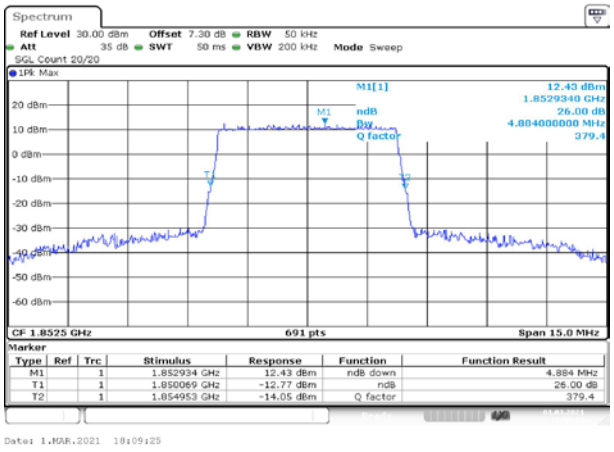

Fig.21

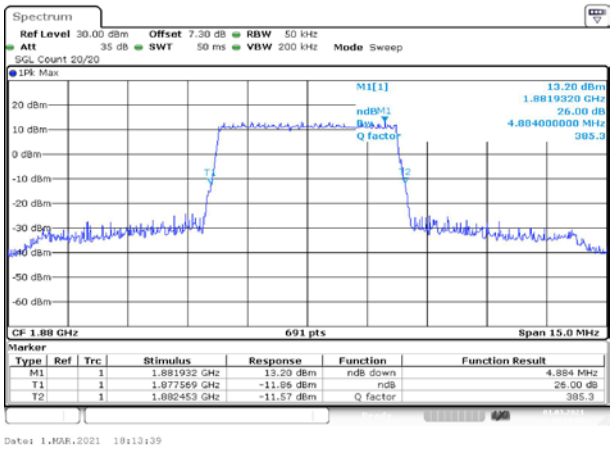

Fig.22

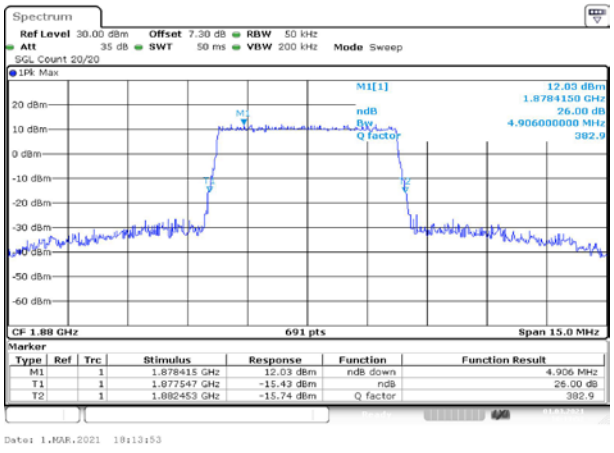

Fig.23

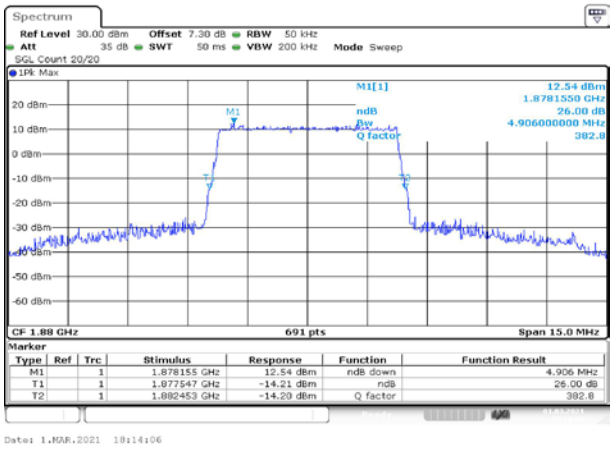

Fig.24

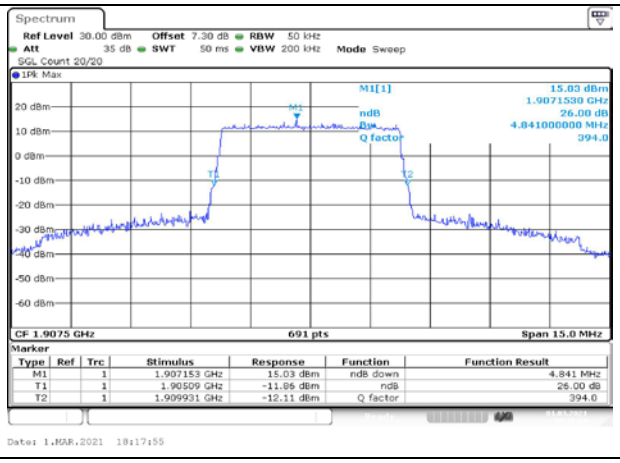

Fig.25

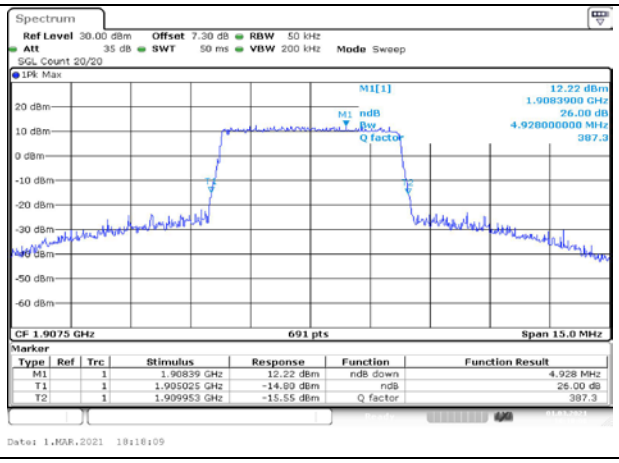

Fig.26

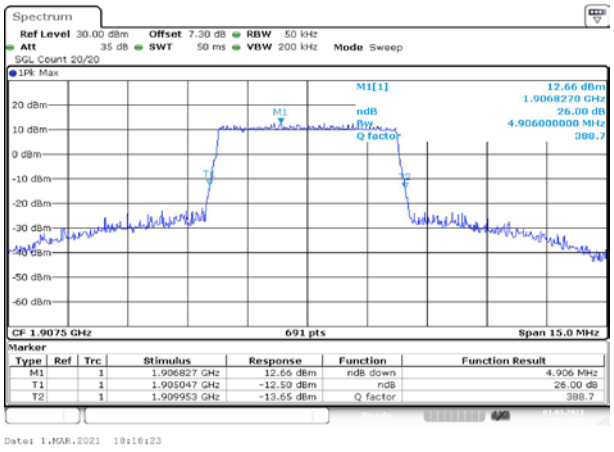

Fig.27

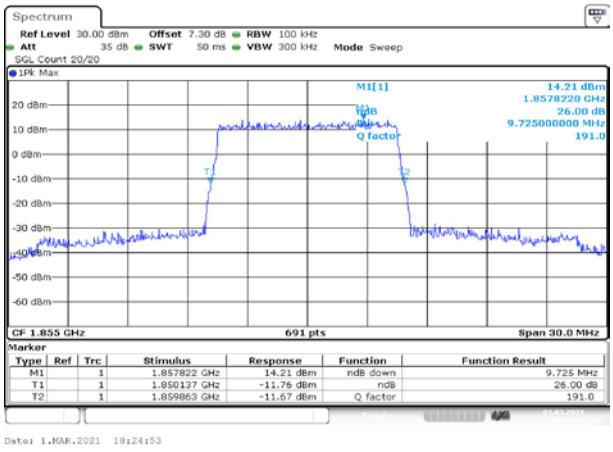

Fig.28

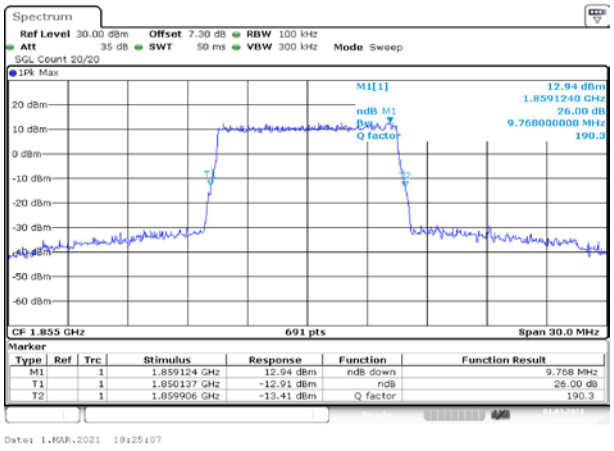

Fig.29

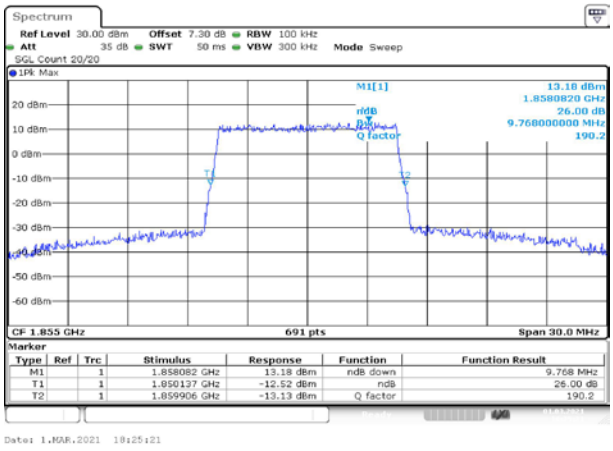

Fig.30