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	23.67
				1	3	23.61
				1	5	23.65
				3	0	23.95
				3	1	23.90
				3	3	23.81
				6	0	22.92
	1880	18900		1	0	23.03
				1	3	22.99
				1	5	22.99
				3	0	23.21
				3	1	23.19
				3	3	23.05
				6	0	22.08
	1909.3	19193		1	0	23.39
				1	3	23.39
				1	5	23.37
				3	0	23.43
				3	1	23.46
				3	3	23.48
				6	0	22.61
16QAM	1850.7	18607		1	0	22.85
				1	3	22.92
				1	5	22.89
				3	0	22.97
				3	1	22.88
				3	3	22.94
				6	0	21.86
	1880	18900		1	0	22.18
				1	3	22.08
				1	5	22.05
				3	0	22.34
				3	1	22.38
				3	3	22.32
				6	0	21.17
	1909.3	19193		1	0	22.57
				1	3	22.57
				1	5	22.59
				3	0	22.48
				3	1	22.38
				3	3	22.38
				6	0	21.56

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1850.7	18607	1.4	1	0	21.82
				1	3	21.82
				1	5	21.78
				3	0	21.84
				3	1	21.73
				3	3	21.43
				6	0	21.64
	1880	18900		1	0	21.13
				1	3	21.13
				1	5	21.14
				3	0	21.16
				3	1	21.14
				3	3	21.09
				6	0	21.10
	1909.3	19193		1	0	21.58
				1	3	21.61
				1	5	21.57
				3	0	21.57
				3	1	21.55
				3	3	21.52
				6	0	21.53

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1851.5	18615	3	1	0	23.35
				1	8	23.28
				1	14	23.27
				8	0	22.36
				8	4	22.30
				8	7	22.33
				15	0	22.36
	1880	18900		1	0	23.04
				1	8	23.04
				1	14	23.06
				8	0	22.03
				8	4	22.08
				8	7	22.06
				15	0	22.03
	1908.5	19185		1	0	23.39
				1	8	23.50
				1	14	23.41
				8	0	22.51
				8	4	22.44
				8	7	22.44
				15	0	22.46
16QAM	1851.5	18615		1	0	22.93
				1	8	22.88
				1	14	22.90
				8	0	21.47
				8	4	21.50
				8	7	21.47
				15	0	21.39
	1880	18900		1	0	22.20
				1	8	22.23
				1	14	22.20
				8	0	21.04
				8	4	21.00
				8	7	21.11
				15	0	20.98
	1908.5	19185		1	0	22.63
				1	8	22.52
				1	14	22.51
				8	0	21.50
				8	4	21.50
				8	7	21.48
				15	0	21.50

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1851.5	18615	3	1	0	21.36
				1	8	21.41
				1	14	21.43
				8	0	21.39
				8	4	21.38
				8	7	21.31
				15	0	21.34
	1880	18900		1	0	21.02
				1	8	21.04
				1	14	20.99
				8	0	21.01
				8	4	21.03
				8	7	21.03
				15	0	21.02
	1908.5	19185		1	0	21.52
				1	8	21.54
				1	14	21.51
				8	0	21.54
				8	4	21.50
				8	7	21.48
				15	0	21.48

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1852.5	18625	5	1	0	23.31
				1	12	23.25
				1	24	23.28
				12	0	22.42
				12	7	22.42
				12	13	22.34
				25	0	22.37
	1880	18900		1	0	22.96
				1	12	22.93
				1	24	22.99
				12	0	22.11
				12	7	22.19
				12	13	22.16
				25	0	22.12
	1907.5	19175		1	0	23.31
				1	12	23.32
				1	24	23.34
				12	0	22.48
				12	7	22.46
				12	13	22.41
				25	0	22.43
16QAM	1852.5	18625		1	0	22.30
				1	12	22.26
				1	24	22.26
				12	0	21.37
				12	7	21.35
				12	13	21.29
				25	0	21.41
	1880	18900		1	0	22.26
				1	12	22.25
				1	24	22.33
				12	0	21.10
				12	7	21.19
				12	13	21.14
				25	0	21.17
	1907.5	19175		1	0	22.49
				1	12	22.43
				1	24	22.45
				12	0	21.45
				12	7	21.45
				12	13	21.43
				25	0	21.55

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1852.5	18625	5	1	0	21.44
				1	12	21.41
				1	24	21.38
				12	0	21.40
				12	7	21.45
				12	13	21.41
				25	0	21.40
	1880	18900		1	0	21.20
				1	12	21.14
				1	24	21.12
				12	0	21.15
				12	7	21.18
				12	13	21.20
				25	0	21.17
	1907.5	19175		1	0	21.51
				1	12	21.51
				1	24	21.52
				12	0	21.51
				12	7	21.45
				12	13	21.52
				25	0	21.48

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1855	18650	10	1	0	23.41
				1	25	23.25
				1	49	23.23
				25	0	22.45
				25	12	22.45
				25	25	22.42
				50	0	22.40
	1880	18900		1	0	23.10
				1	25	23.05
				1	49	23.10
				25	0	22.21
				25	12	22.25
				25	25	22.23
				50	0	22.27
	1905	19150		1	0	23.35
				1	25	23.51
				1	49	23.42
				25	0	22.54
				25	12	22.52
				25	25	22.52
				50	0	22.59
16QAM	1855	18650		1	0	22.97
				1	25	22.89
				1	49	22.89
				25	0	21.50
				25	12	21.47
				25	25	21.52
				50	0	21.44
	1880	18900		1	0	22.36
				1	25	22.32
				1	49	22.32
				25	0	21.25
				25	12	21.28
				25	25	21.35
				50	0	21.23
	1905	19150		1	0	22.42
				1	25	22.53
				1	49	22.58
				25	0	21.65
				25	12	21.72
				25	25	21.64
				50	0	21.59

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1855	18650	10	1	0	21.46
				1	25	21.46
				1	49	21.45
				25	0	21.45
				25	12	21.46
				25	25	21.46
				50	0	21.47
	1880	18900		1	0	21.21
				1	25	21.28
				1	49	21.27
				25	0	21.30
				25	12	21.23
				25	25	21.24
				50	0	21.27
	1905	19150		1	0	21.53
				1	25	21.54
				1	49	21.59
				25	0	21.56
				25	12	21.62
				25	25	21.58
				50	0	21.61

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1857.5	18675	15	1	0	23.34
				1	37	23.01
				1	74	23.03
				36	0	22.42
				36	29	22.36
				36	30	22.36
				75	0	22.40
	1880	18900		1	0	23.08
				1	37	23.03
				1	74	23.08
				36	0	22.24
				36	29	22.29
				36	30	22.23
				75	0	22.26
	1902.5	19125		1	0	23.24
				1	37	23.36
				1	74	23.38
				36	0	22.52
				36	29	22.54
				36	30	22.52
				75	0	22.52
16QAM	1857.5	18675		1	0	22.95
				1	37	22.73
				1	74	22.76
				36	0	21.44
				36	29	21.30
				36	30	21.31
				75	0	21.32
	1880	18900		1	0	22.30
				1	37	22.28
				1	74	22.21
				36	0	21.17
				36	29	21.24
				36	30	21.26
				75	0	21.25
	1902.5	19125		1	0	22.69
				1	37	22.76
				1	74	22.81
				36	0	21.39
				36	29	21.51
				36	30	21.46
				75	0	21.49

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1857.5	18675	15	1	0	21.41
				1	37	21.40
				1	74	21.41
				36	0	21.41
				36	29	21.43
				36	30	21.34
				75	0	21.43
	1880	18900		1	0	21.22
				1	37	21.22
				1	74	21.23
				36	0	21.23
				36	29	21.25
				36	30	21.20
				75	0	21.19
	1902.5	19125		1	0	21.45
				1	37	21.47
				1	74	21.47
				36	0	21.45
				36	29	21.47
				36	30	21.47
				75	0	21.47

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1860	18700	20	1	0	23.18
				1	49	22.88
				1	99	22.83
				50	0	22.44
				50	24	22.22
				50	50	22.32
				100	0	22.30
	1880	18900		1	0	23.05
				1	49	22.97
				1	99	22.96
				50	0	22.20
				50	24	22.26
				50	50	22.29
				100	0	22.21
	1900	19100		1	0	22.94
				1	49	23.13
				1	99	23.15
				50	0	22.49
				50	24	22.40
				50	50	22.31
				100	0	22.44
16QAM	1860	18700		1	0	22.42
				1	49	22.28
				1	99	22.25
				50	0	21.35
				50	24	21.22
				50	50	21.28
				100	0	21.37
	1880	18900		1	0	22.25
				1	49	22.18
				1	99	22.18
				50	0	21.12
				50	24	21.28
				50	50	21.30
				100	0	21.20
	1900	19100		1	0	22.57
				1	49	22.73
				1	99	22.68
				50	0	21.52
				50	24	21.36
				50	50	21.37
				100	0	21.45

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1860	18700	20	1	0	21.27
				1	49	21.36
				1	99	21.32
				50	0	21.35
				50	24	21.32
				50	50	21.32
				100	0	21.31
	1880	18900		1	0	21.22
				1	49	21.20
				1	99	21.24
				50	0	21.27
				50	24	21.18
				50	50	21.19
				100	0	21.26
	1900	19100		1	0	21.52
				1	49	21.44
				1	99	21.47
				50	0	21.44
				50	24	21.45
				50	50	21.51
				100	0	21.49

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	1.094	Fig.1	1.082	Fig.2	1.082	Fig.3
	1880	18900		6	0	1.076	Fig.4	1.082	Fig.5	1.088	Fig.6
	1909.3	19193		6	0	1.088	Fig.7	1.088	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	2.683	Fig.13	2.683	Fig.14	2.683	Fig.15
	1908.5	19185		15	0	2.670	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	4.493	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	8.944	Fig.35	8.944	Fig.36
	1857.5	18675	15	75	0	13.415	Fig.37	13.415	Fig.38	13.415	Fig.39
	1880	18900		75	0	13.415	Fig.40	13.480	Fig.41	13.480	Fig.42
	1902.5	19125		75	0	13.480	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	17.887	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

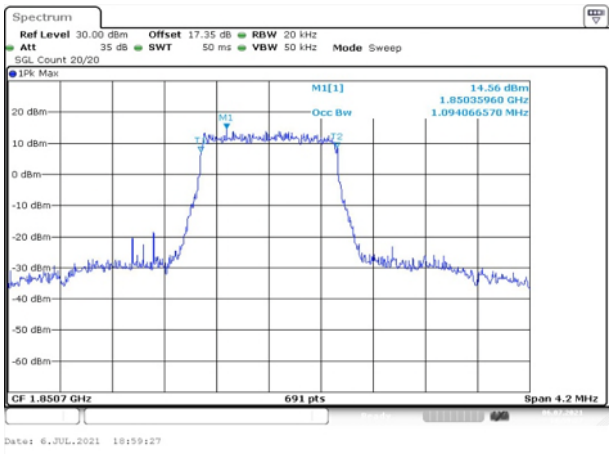


Fig.1

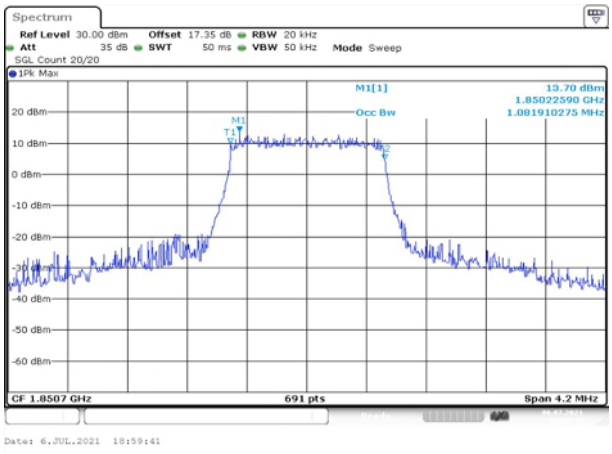


Fig.2

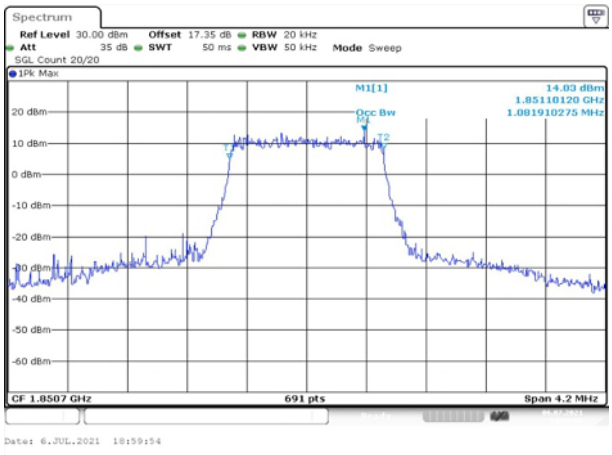


Fig.3

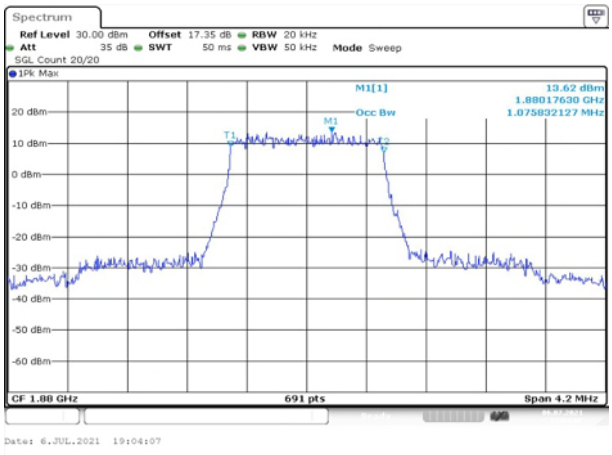


Fig.4

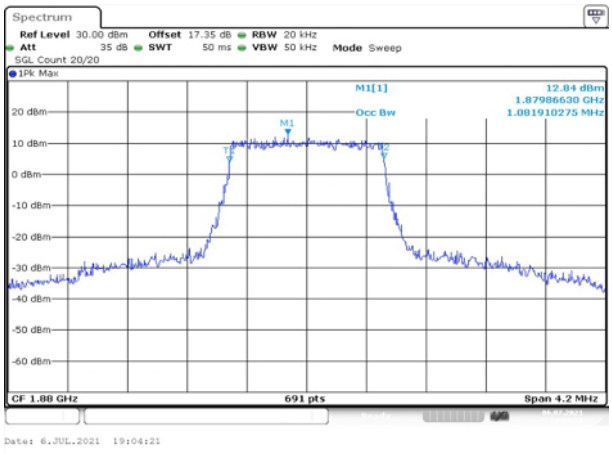


Fig.5

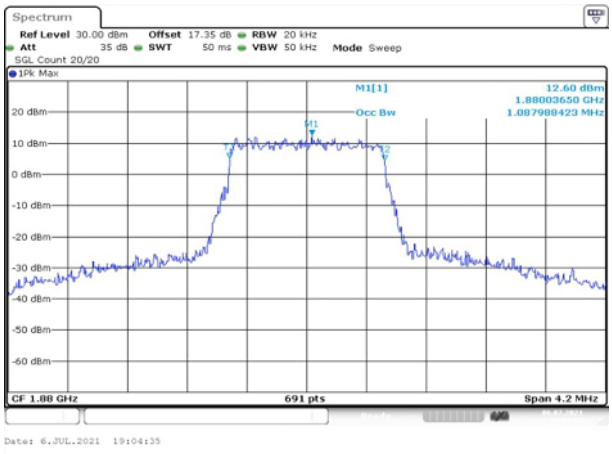


Fig.6

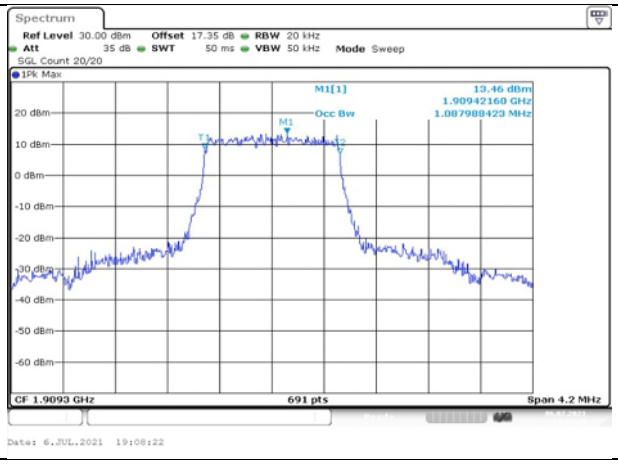


Fig.7

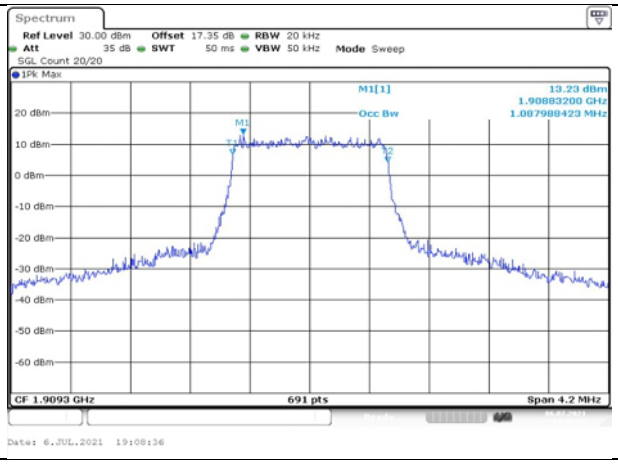


Fig.8

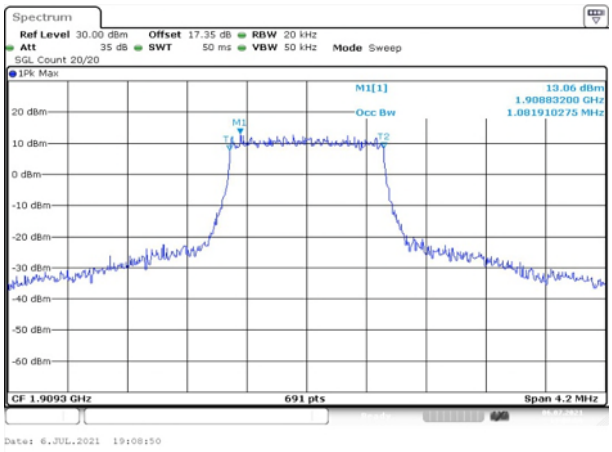


Fig.9

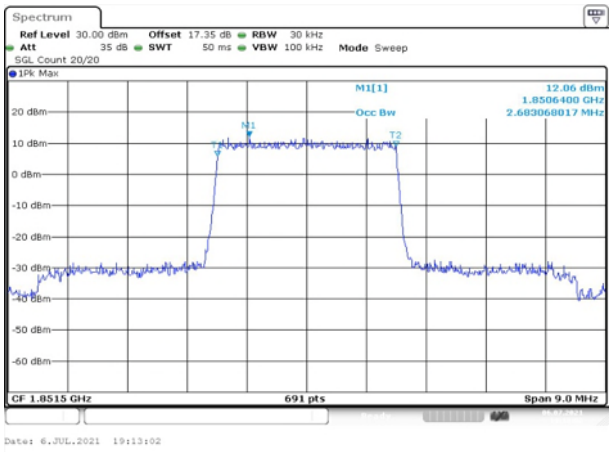


Fig.10

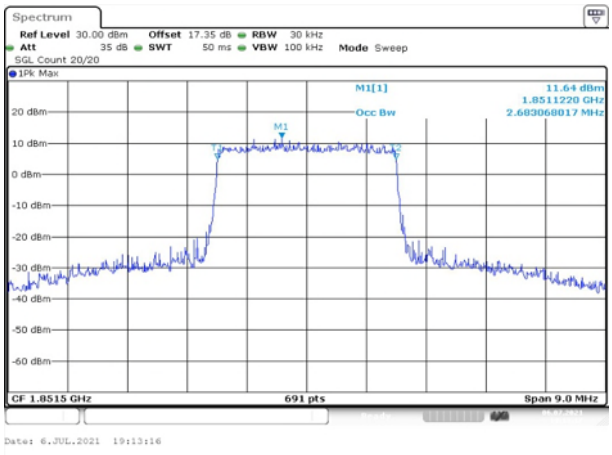


Fig.11

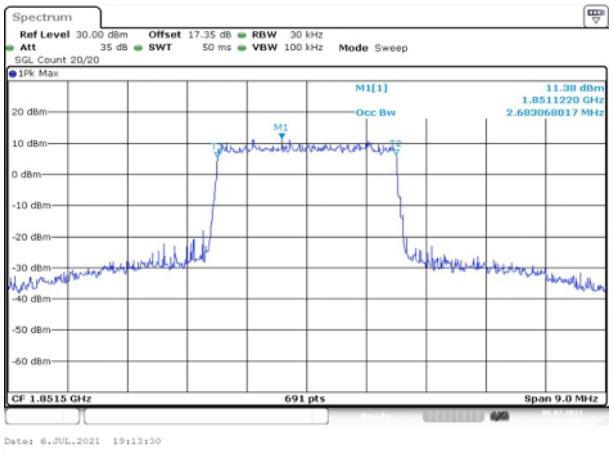


Fig.12

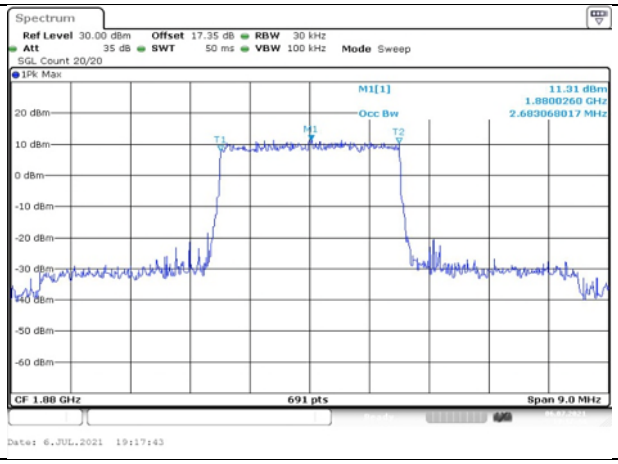


Fig.13

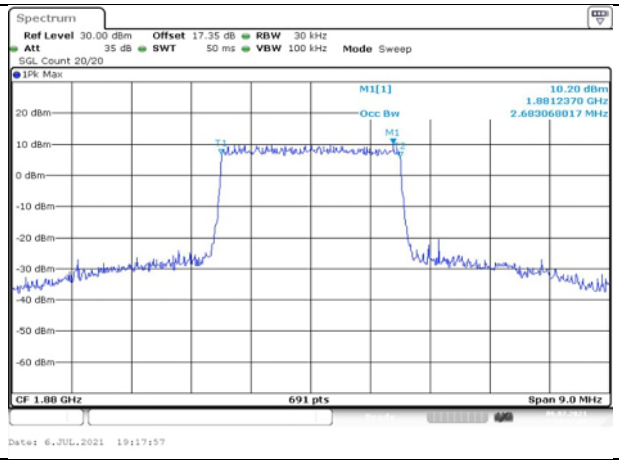


Fig.14

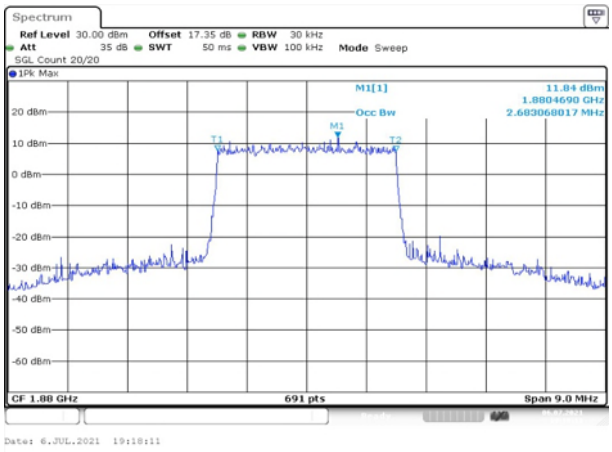


Fig.15

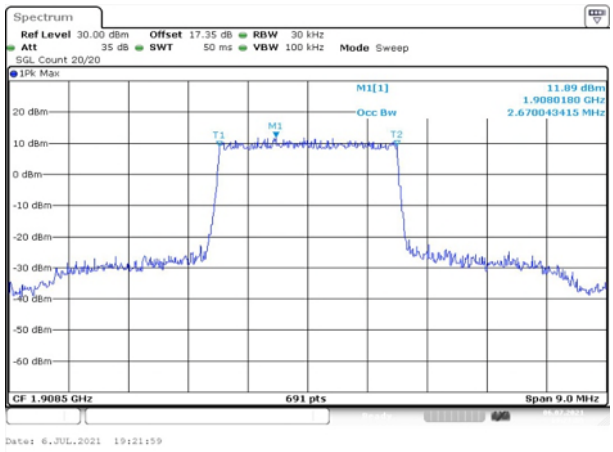
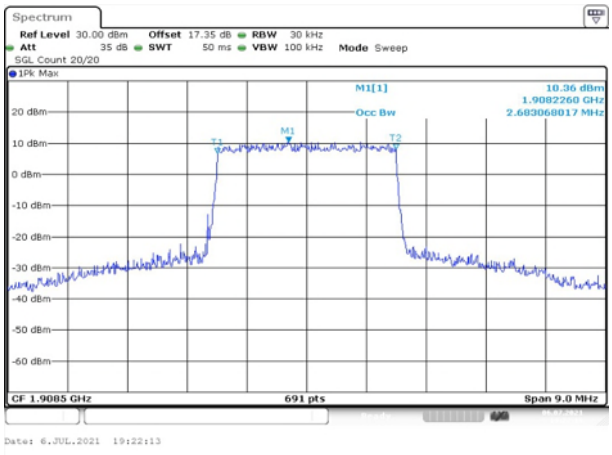


Fig.16



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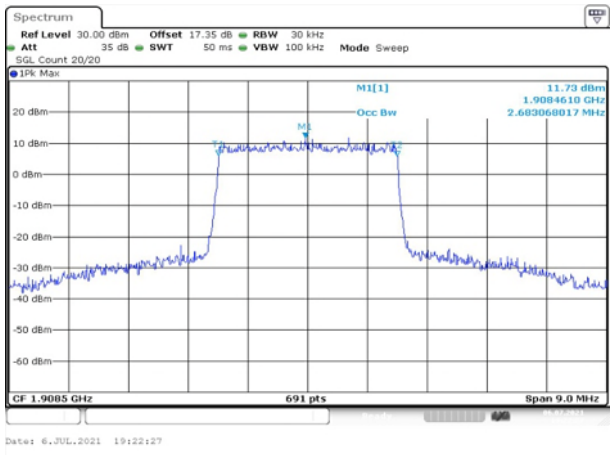

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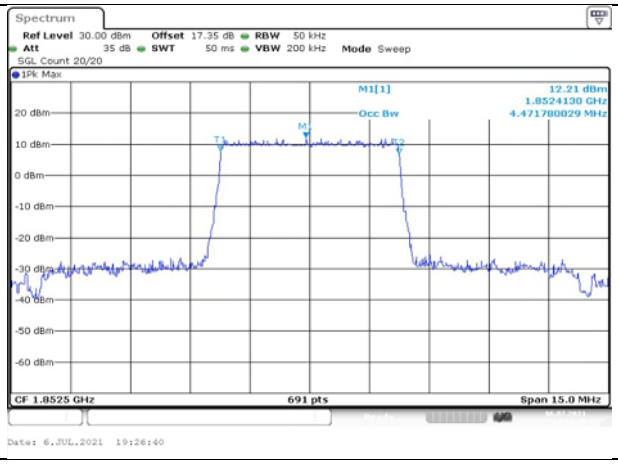

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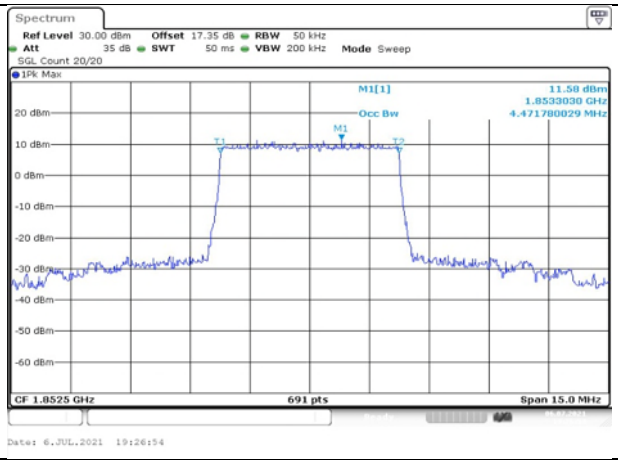

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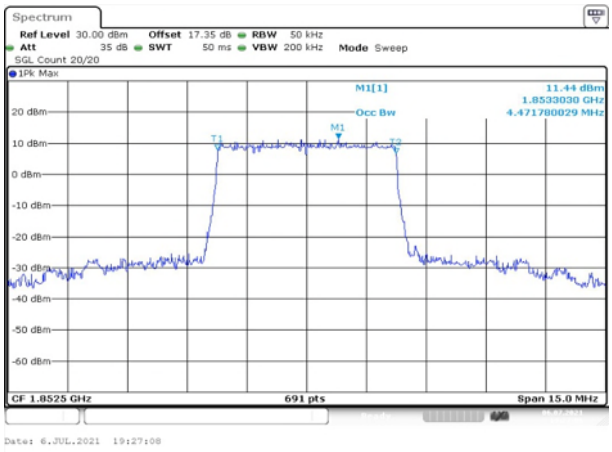

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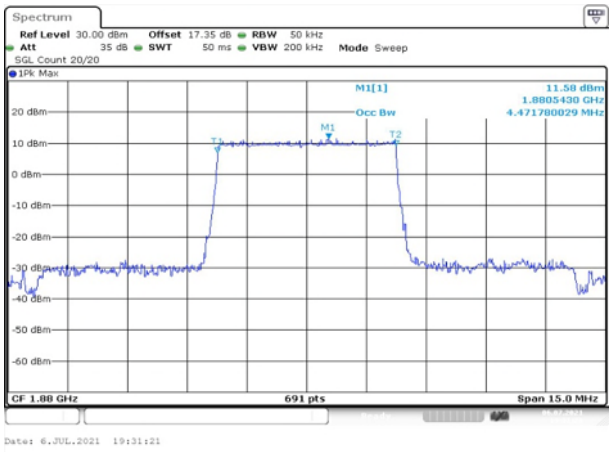

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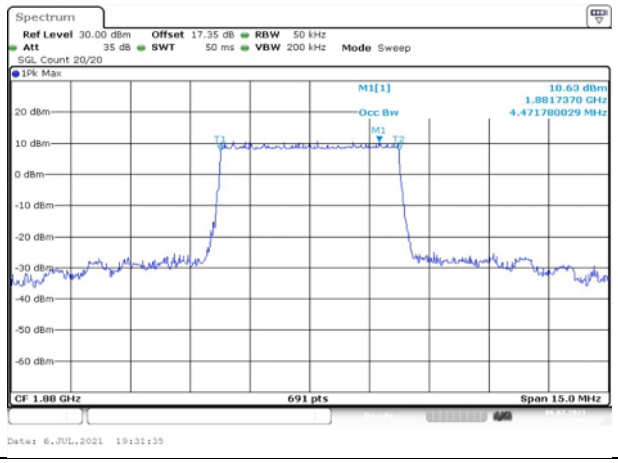

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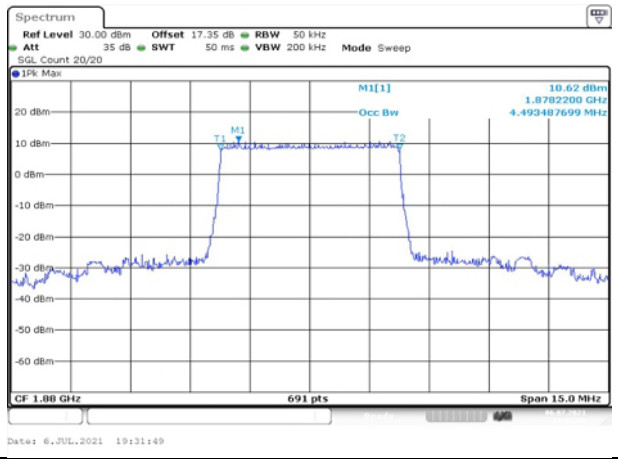

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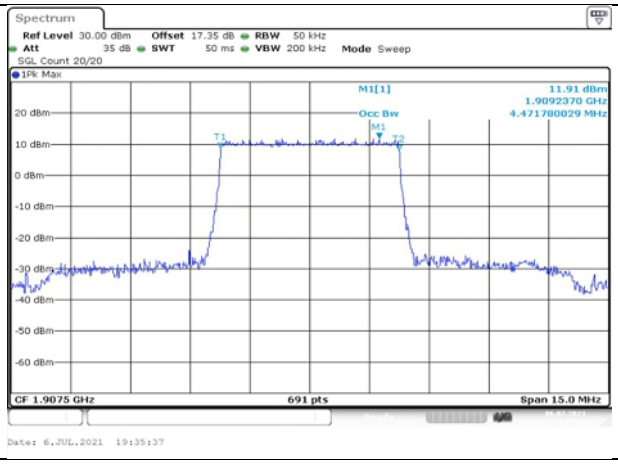

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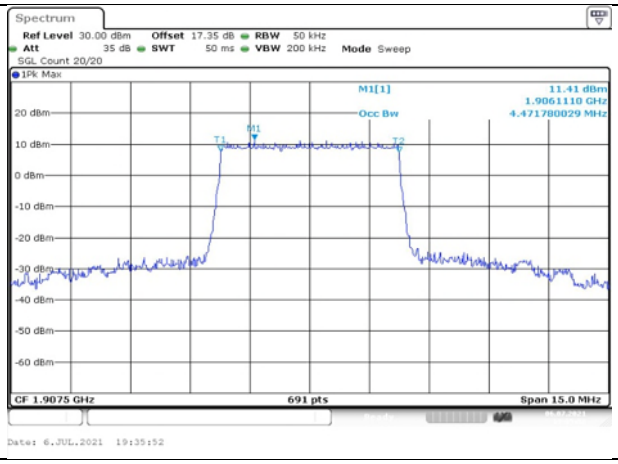

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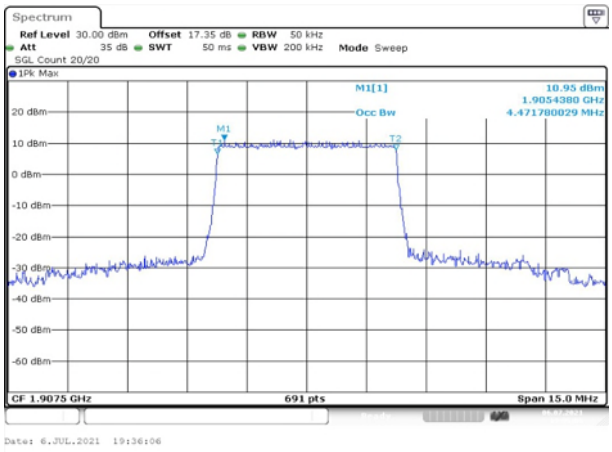

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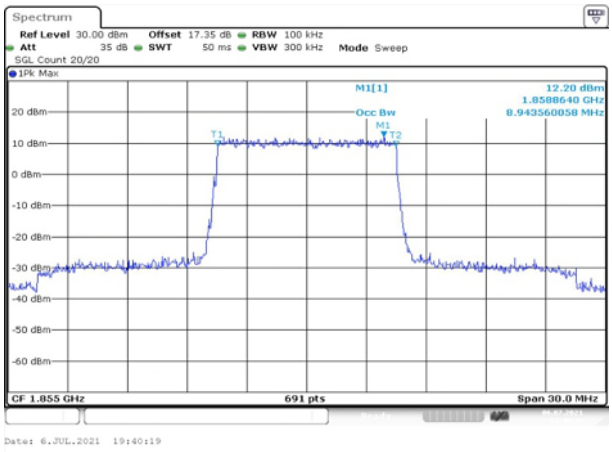

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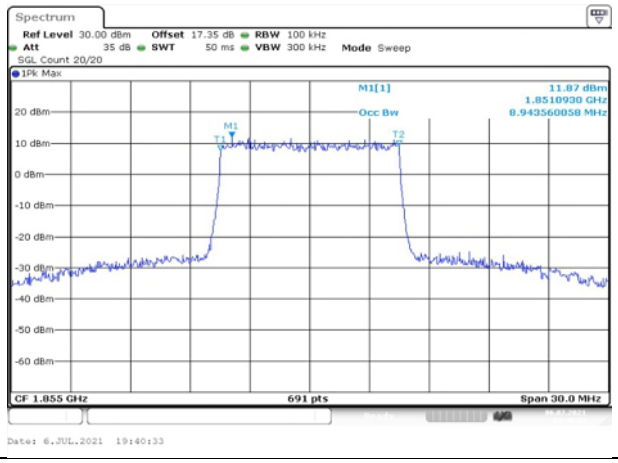

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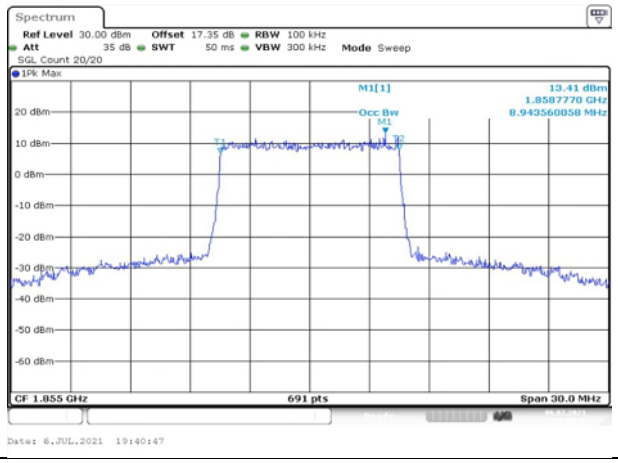

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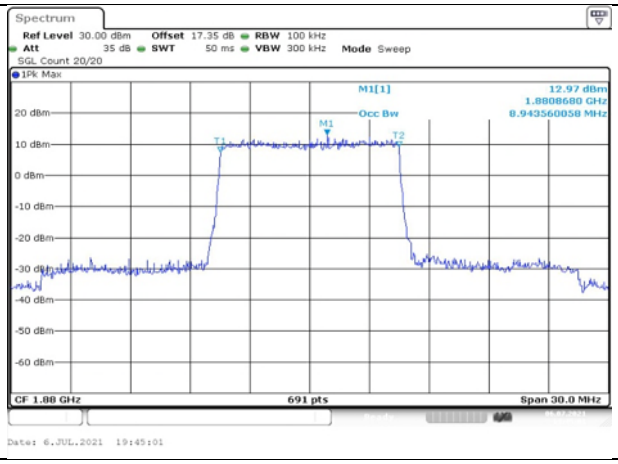

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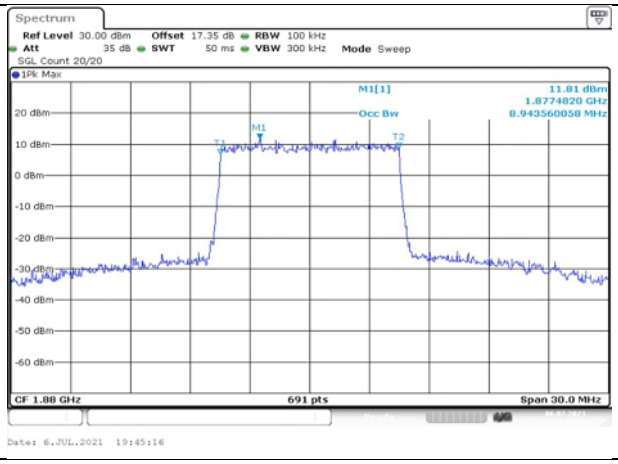

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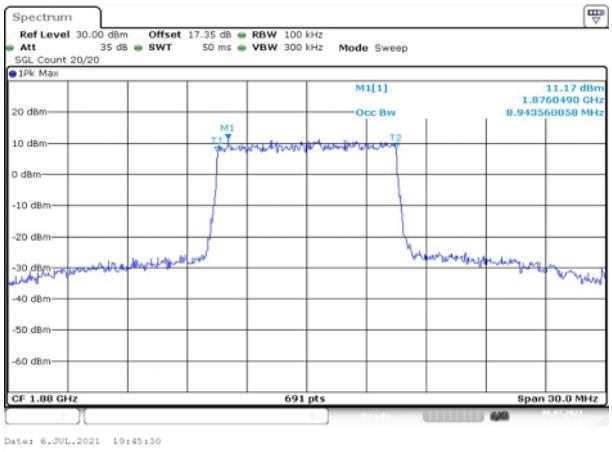

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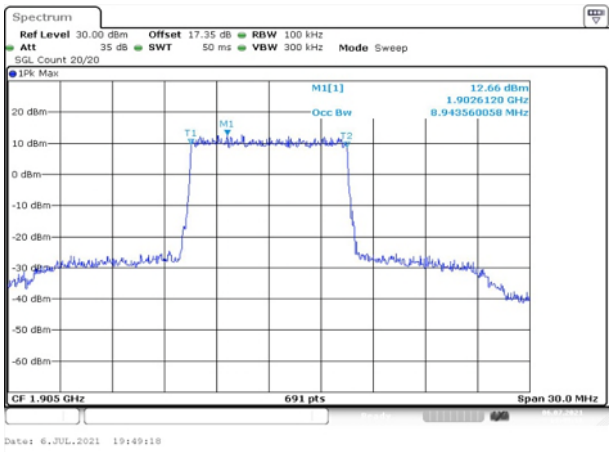

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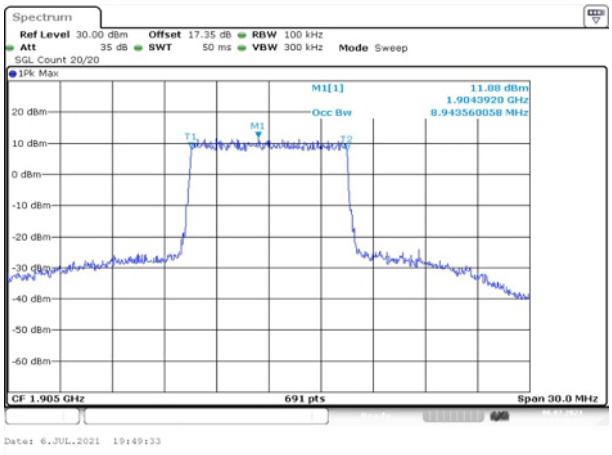

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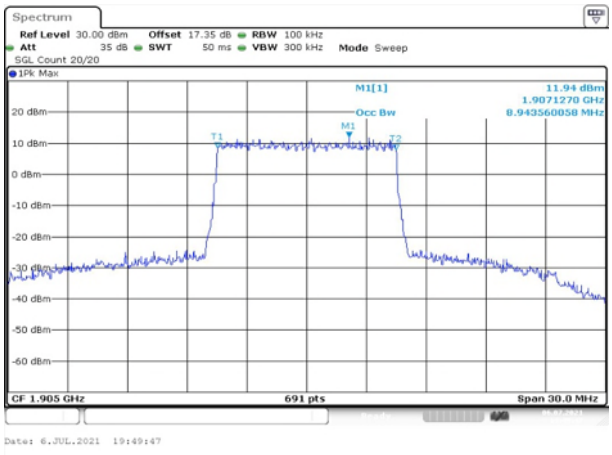

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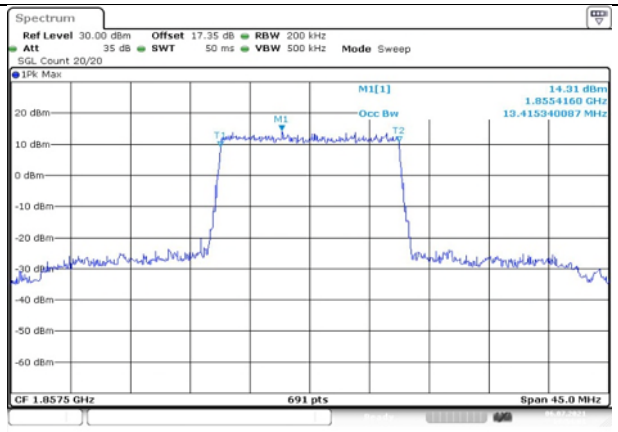

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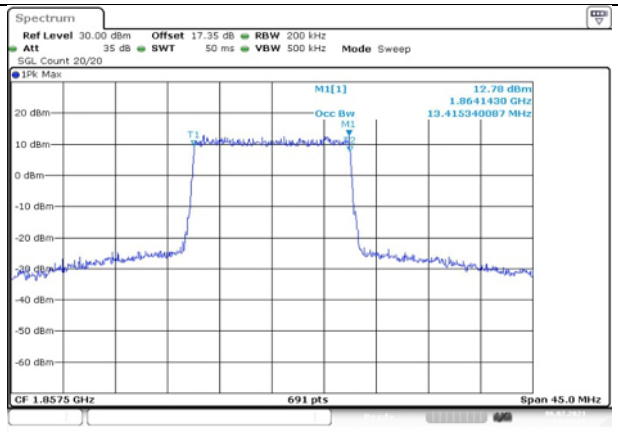

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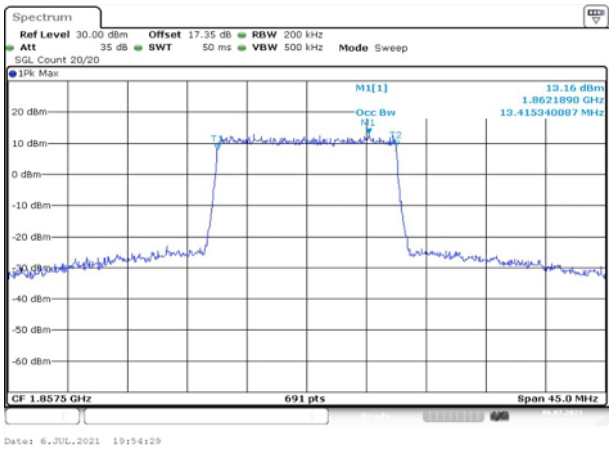

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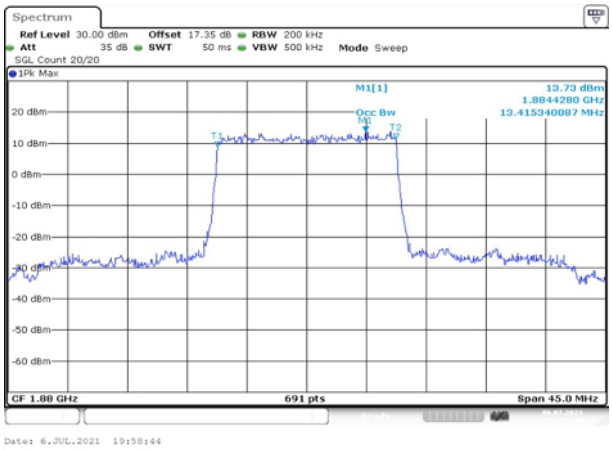

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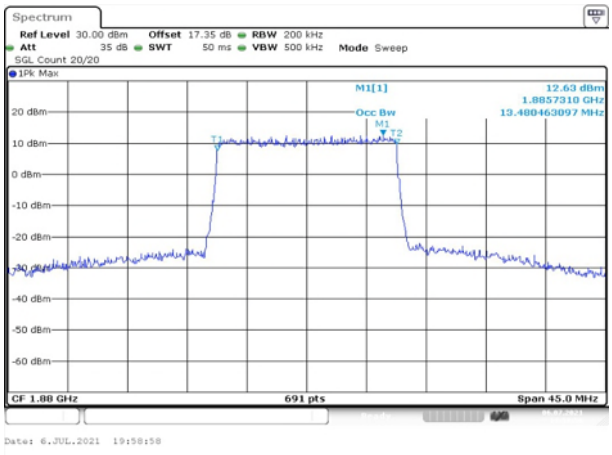

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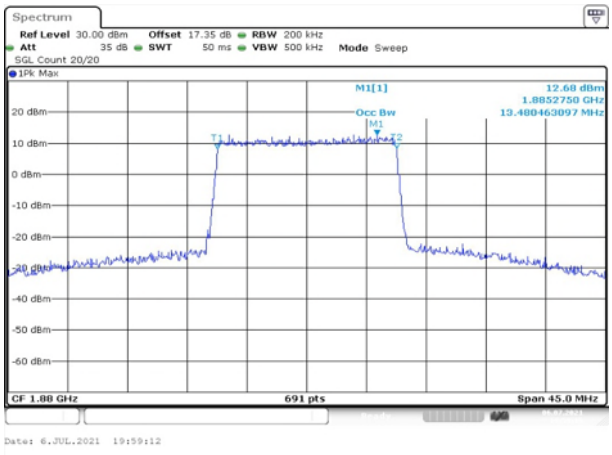

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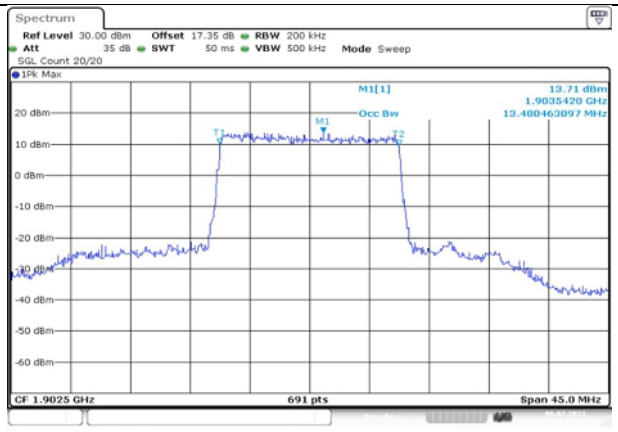

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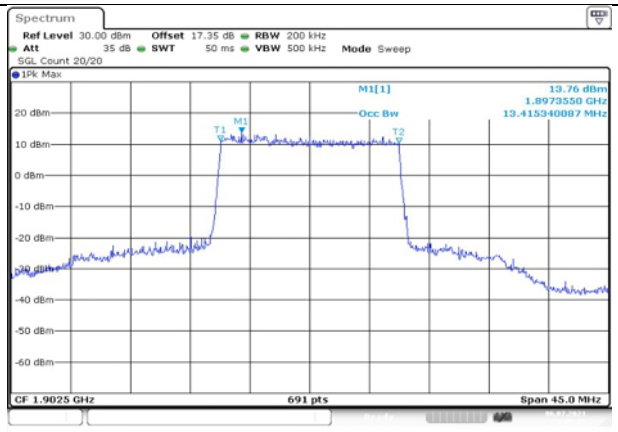

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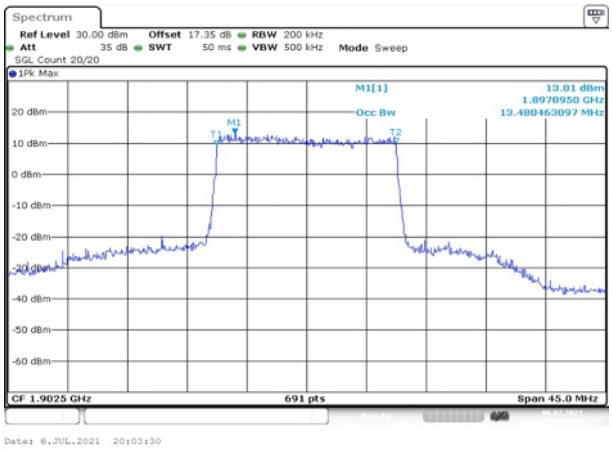

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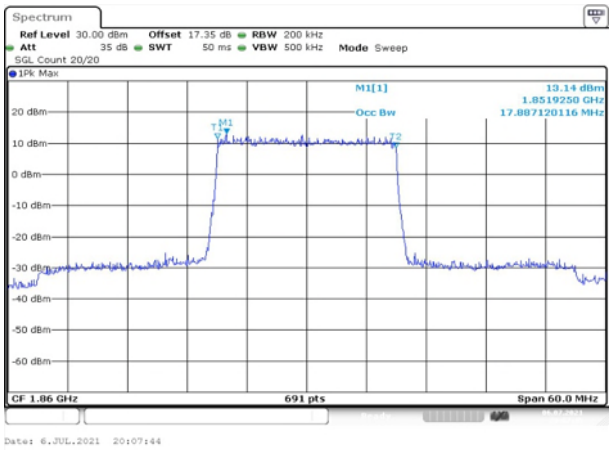

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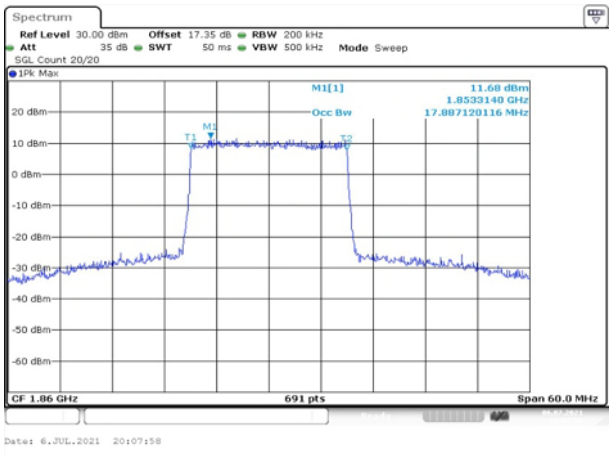

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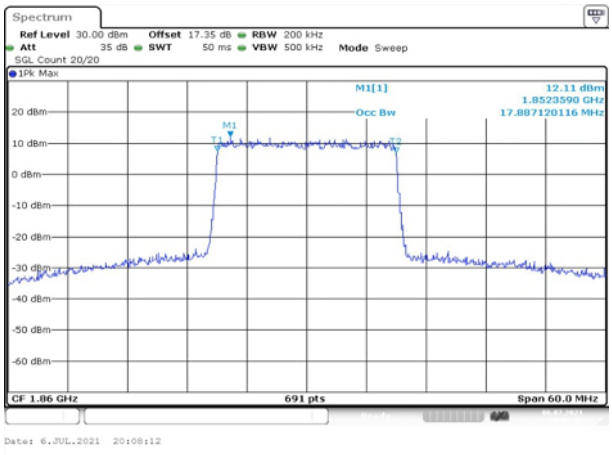

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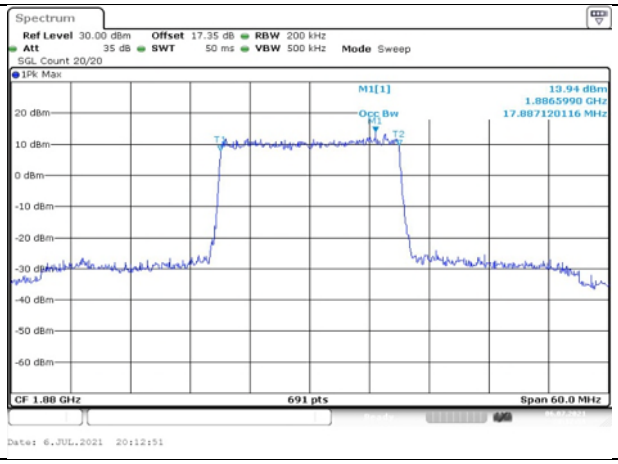


Fig.49

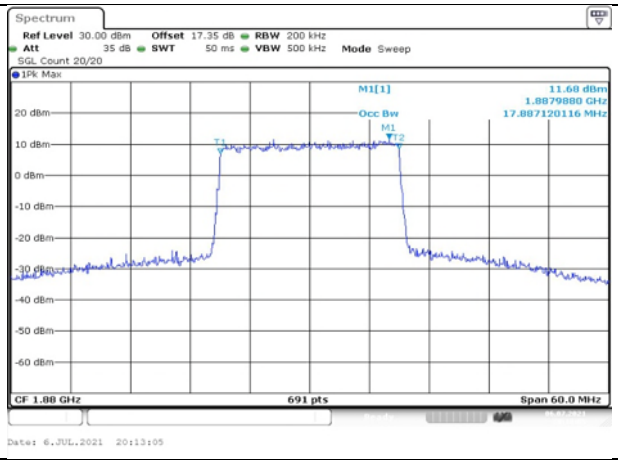
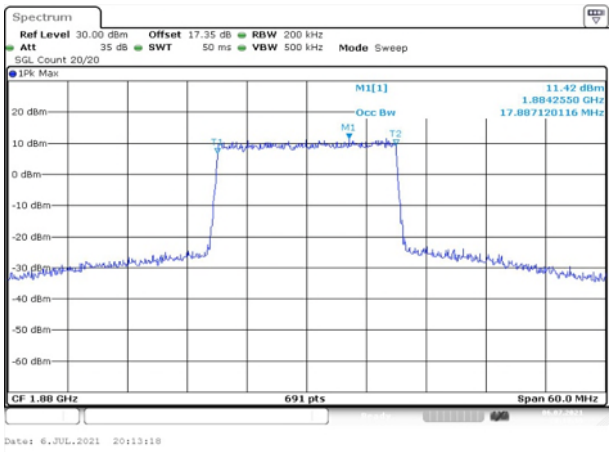


Fig.50



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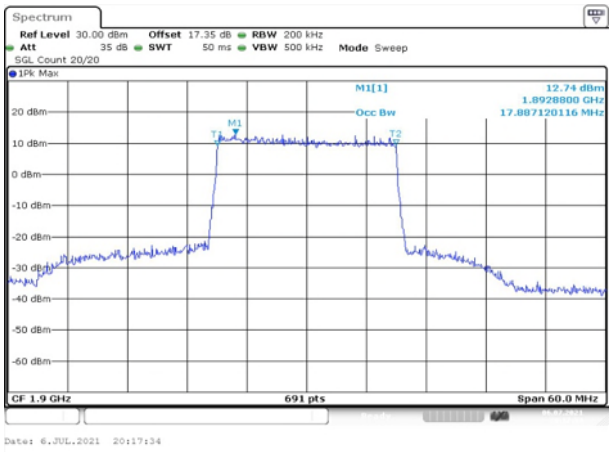

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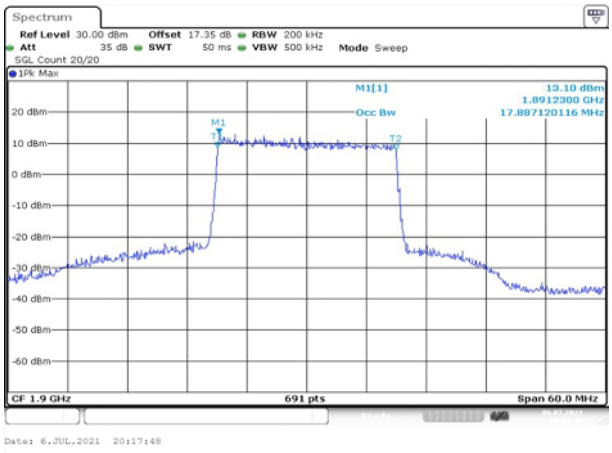

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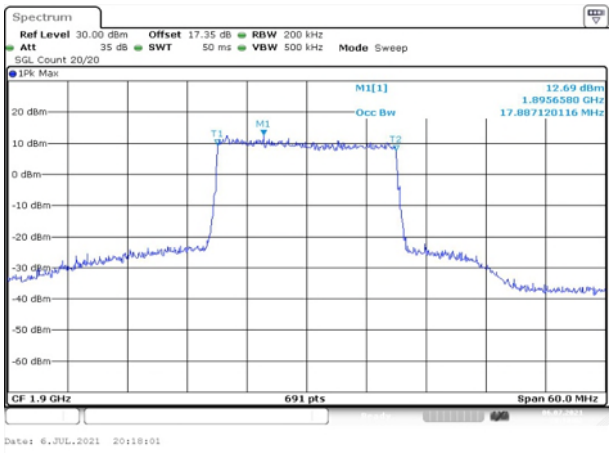

Fig.54

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	1.246	Fig.1	1.252	Fig.2	1.252	Fig.3
	1880	18900		6	0	1.246	Fig.4	1.252	Fig.5	1.240	Fig.6
	1909.3	19193		6	0	1.252	Fig.7	1.246	Fig.8	1.246	Fig.9
	1851.5	18615	3	15	0	2.839	Fig.10	2.839	Fig.11	2.852	Fig.12
	1880	18900		15	0	2.852	Fig.13	2.852	Fig.14	2.839	Fig.15
	1908.5	19185		15	0	2.865	Fig.16	2.852	Fig.17	2.852	Fig.18
	1852.5	18625	5	25	0	4.776	Fig.19	4.841	Fig.20	4.797	Fig.21
	1880	18900		25	0	4.819	Fig.22	4.841	Fig.23	4.819	Fig.24
	1907.5	19175		25	0	4.819	Fig.25	4.819	Fig.26	4.841	Fig.27
	1855	18650	10	50	0	9.508	Fig.28	9.551	Fig.29	9.465	Fig.30
	1880	18900		50	0	9.508	Fig.31	9.508	Fig.32	9.595	Fig.33
	1905	19150		50	0	9.595	Fig.34	9.638	Fig.35	9.465	Fig.36
	1857.5	18675	15	75	0	14.522	Fig.37	14.457	Fig.38	14.522	Fig.39
	1880	18900		75	0	14.392	Fig.40	14.392	Fig.41	14.392	Fig.42
	1902.5	19125		75	0	14.392	Fig.43	14.392	Fig.44	14.457	Fig.45
	1860	18700	20	100	0	18.929	Fig.46	18.929	Fig.47	18.929	Fig.48
	1880	18900		100	0	18.842	Fig.49	18.929	Fig.50	18.929	Fig.51
	1900	19100		100	0	19.016	Fig.52	19.016	Fig.53	18.929	Fig.54

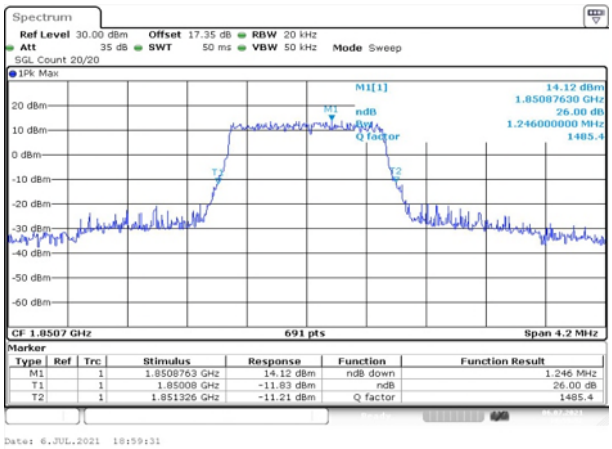

Fig.1

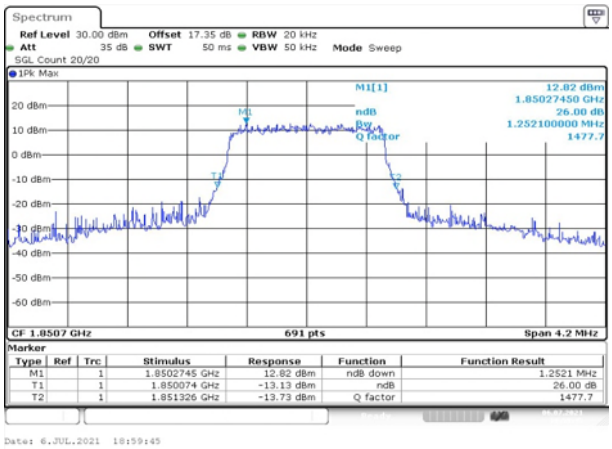

Fig.2

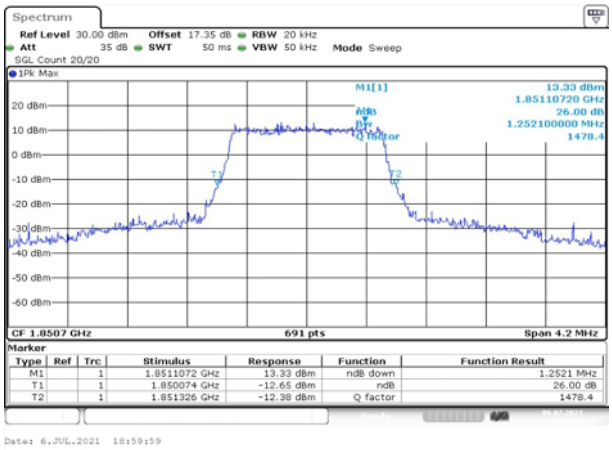

Fig.3

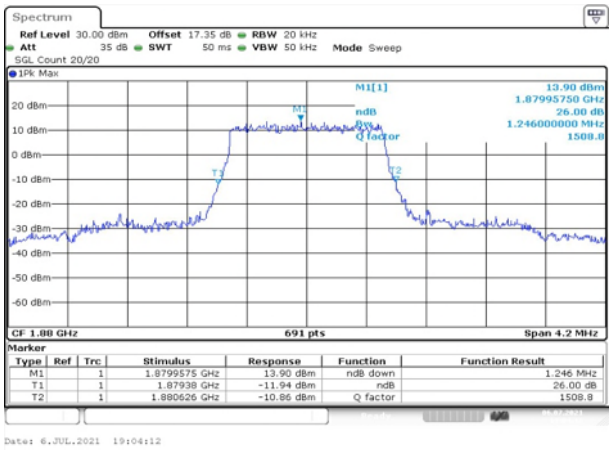

Fig.4

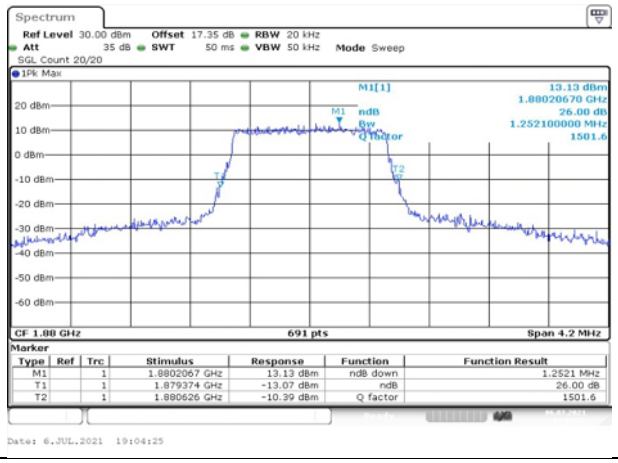

Fig.5

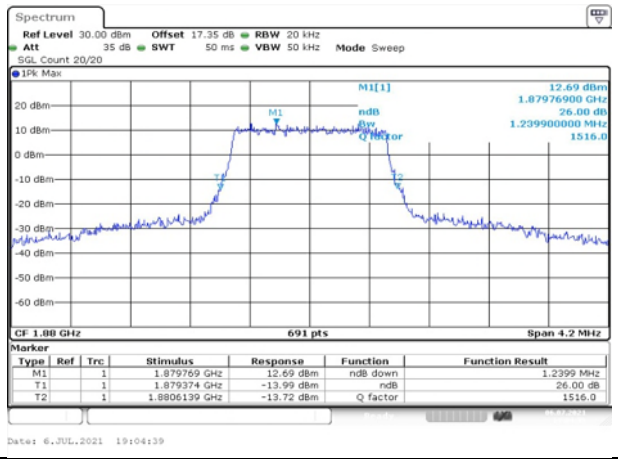

Fig.6

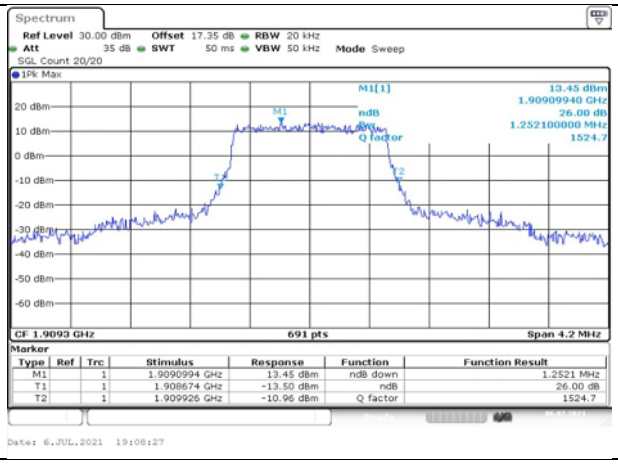

Fig.7

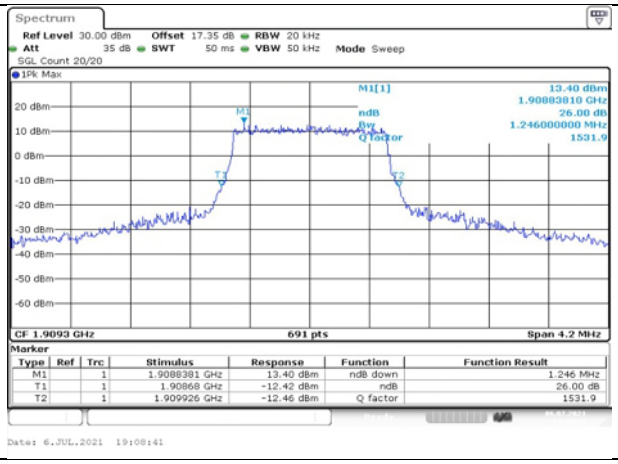

Fig.8

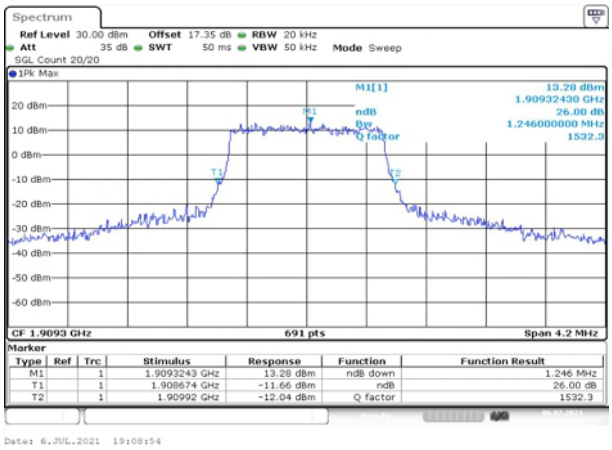

Fig.9

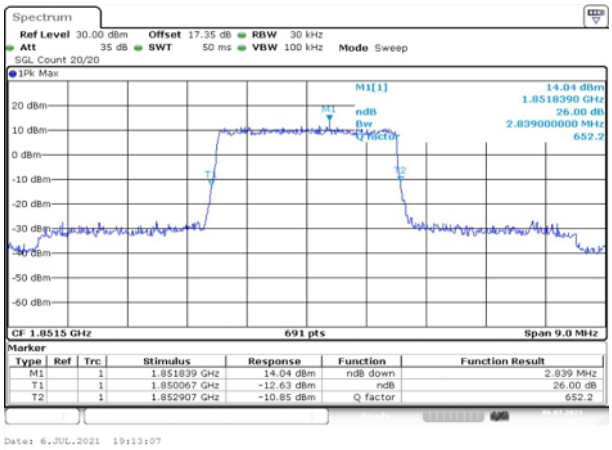

Fig.10

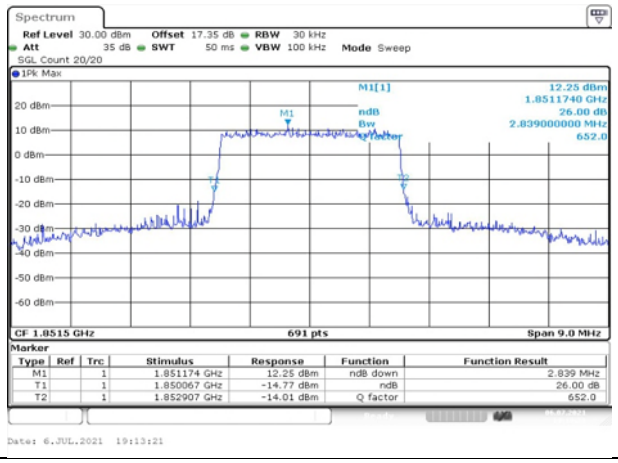

Fig.11

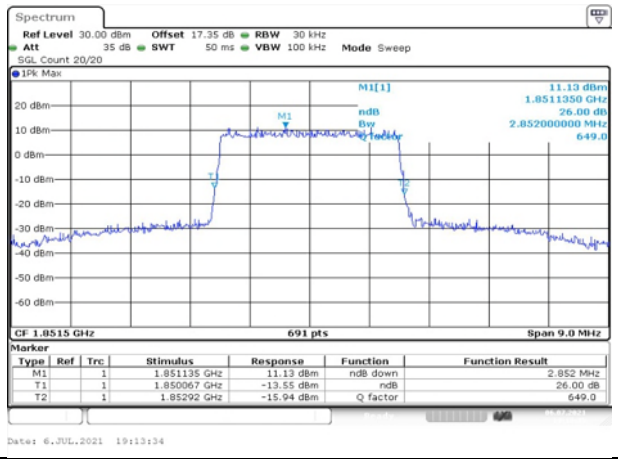

Fig.12

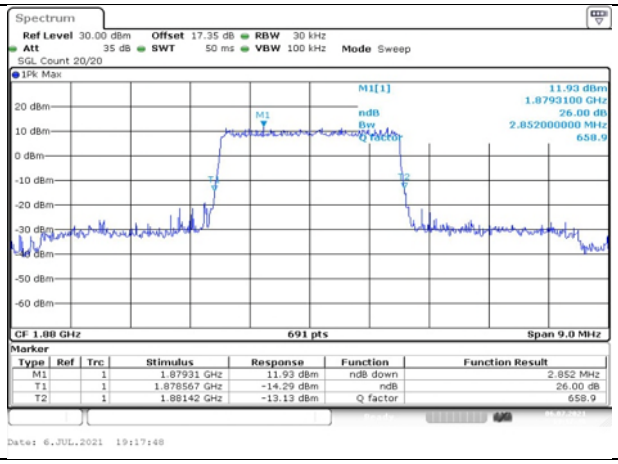

Fig.13

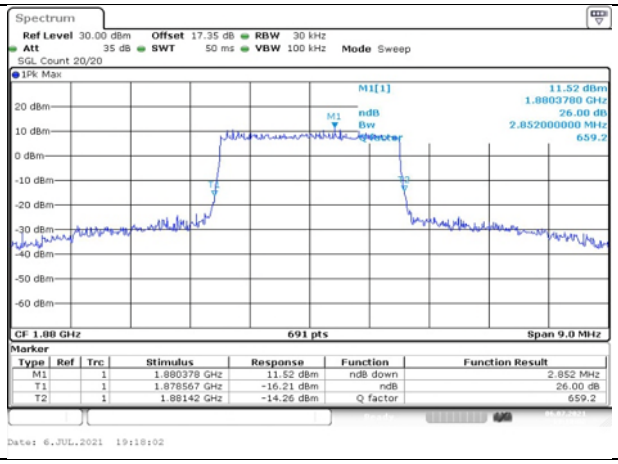

Fig.14

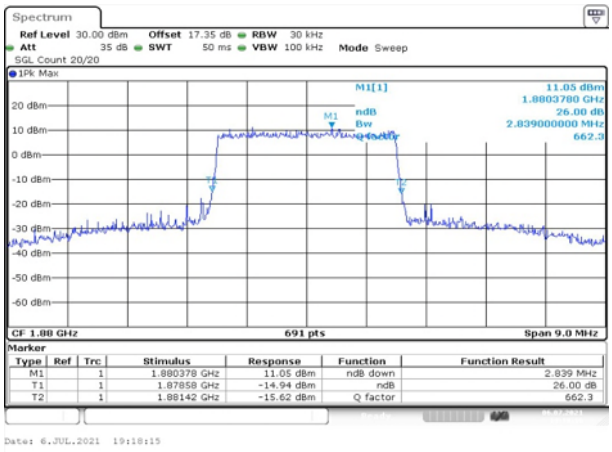

Fig.15

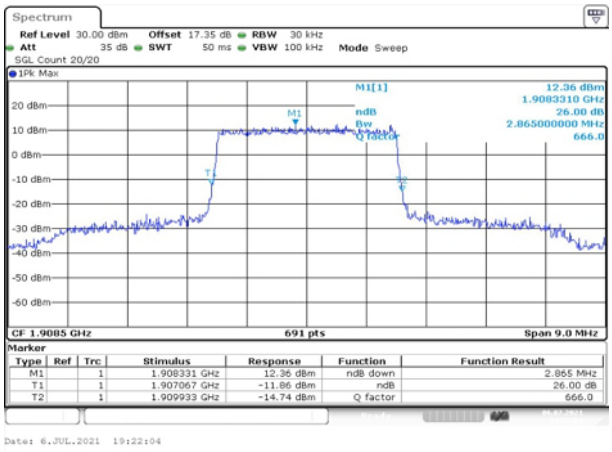

Fig.16

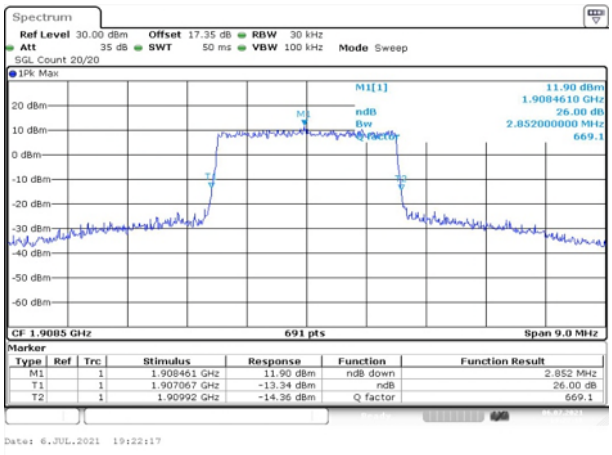

Fig.17

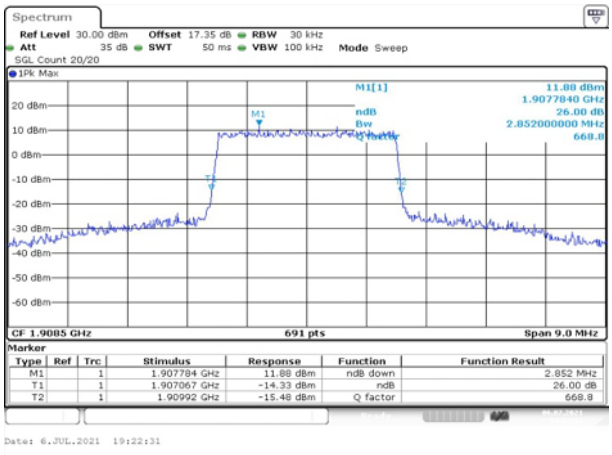

Fig.18

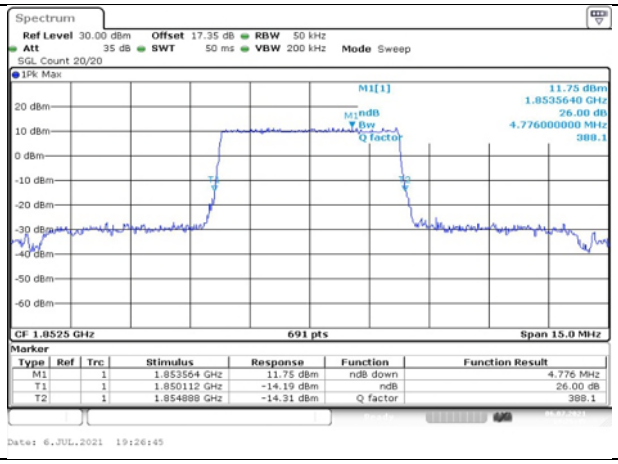

Fig.19

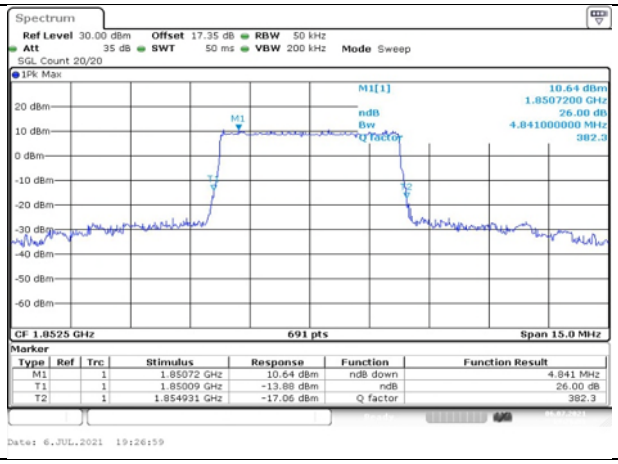

Fig.20

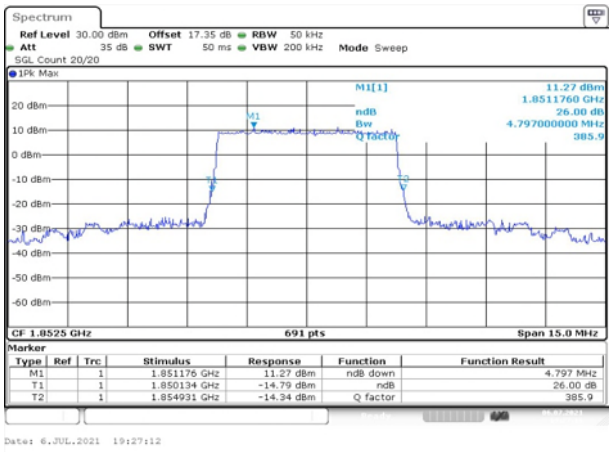

Fig.21

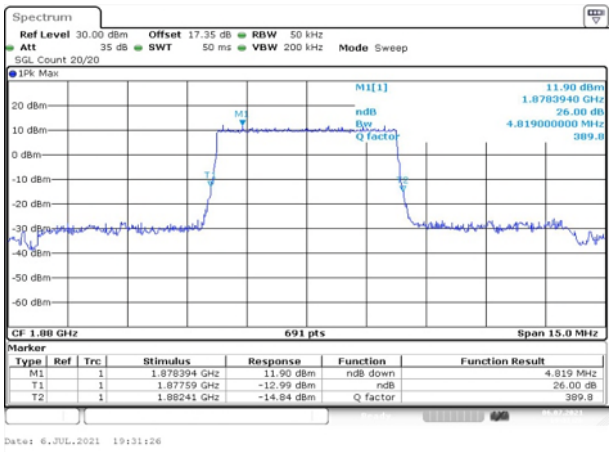

Fig.22

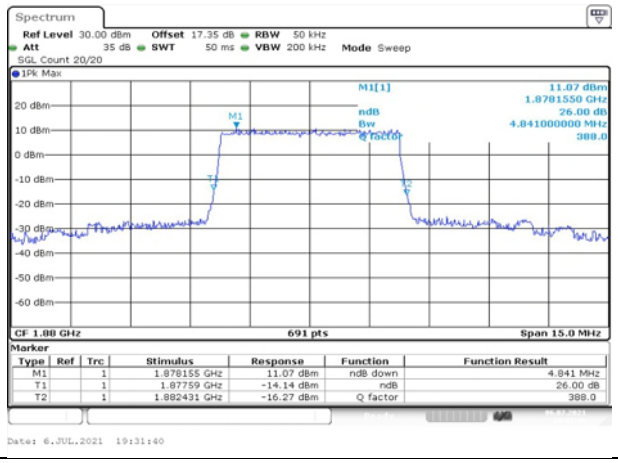

Fig.23

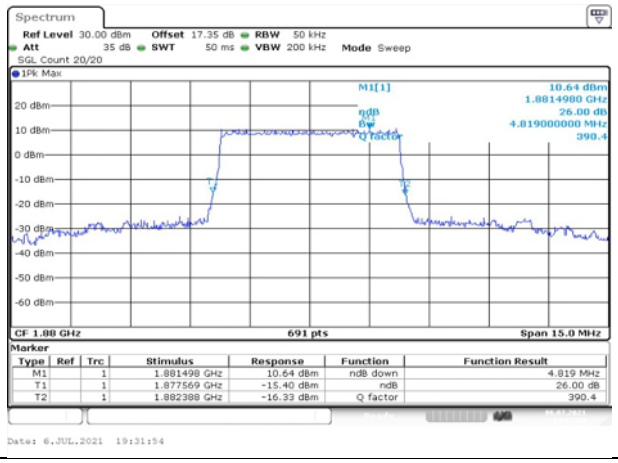

Fig.24

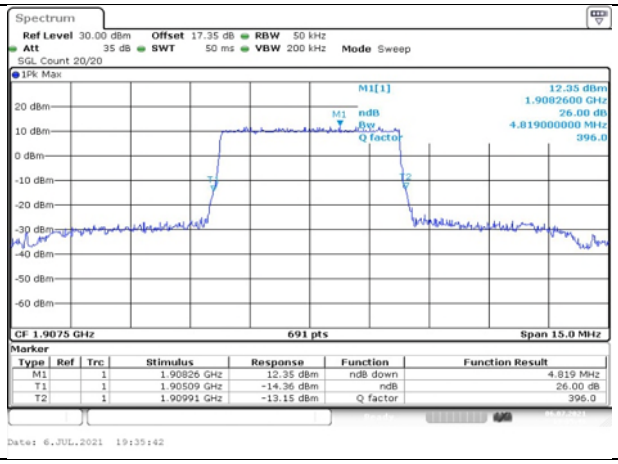

Fig.25

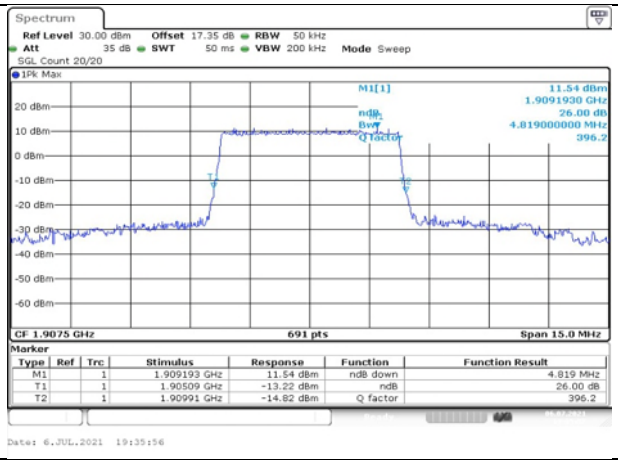

Fig.26

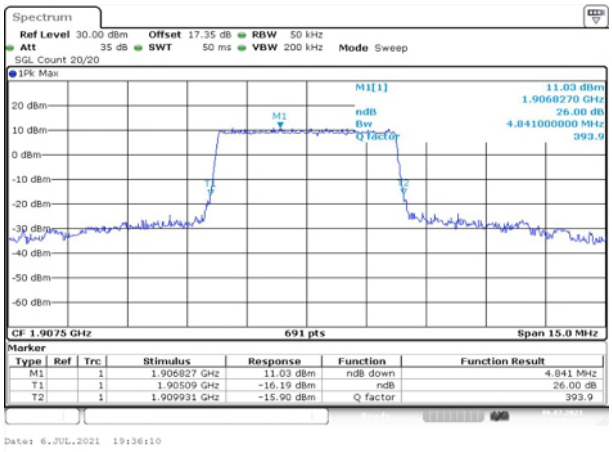

Fig.27

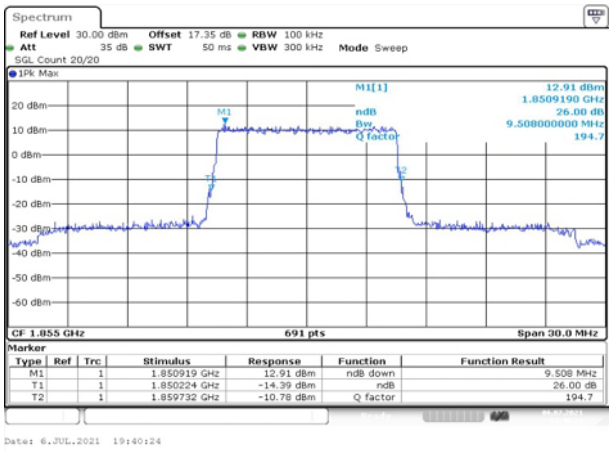

Fig.28

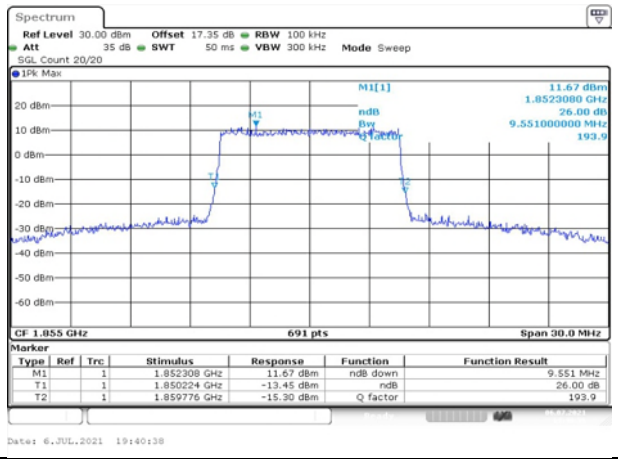

Fig.29

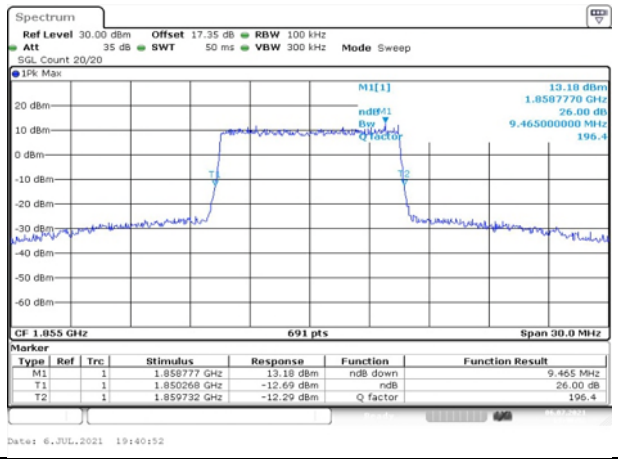

Fig.30