

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 2

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	22.74	
				1	3	22.72	
				1	5	22.68	
				3	0	22.70	
				3	1	22.72	
				3	3	22.70	
	6	0		21.67			
	1880	18900		1	0	22.31	
				1	3	22.37	
				1	5	22.32	
				3	0	21.82	
				3	1	21.85	
				3	3	21.84	
	6	0		20.91			
	1909.3	19193		1	0	22.78	
				1	3	22.75	
				1	5	22.72	
				3	0	22.74	
				3	1	22.71	
				3	3	22.70	
	16QAM	1850.7		18607	6	0	21.75
					1	0	21.32
					1	3	21.31
					1	5	21.38
3			0		21.67		
3			1		21.68		
3		3	21.70				
6		0	20.61				
1880		18900	1	0	22.10		
			1	3	22.17		
			1	5	22.19		
			3	0	21.69		
			3	1	21.60		
			3	3	21.64		
6		0	20.72				
1909.3		19193	1	0	21.41		
			1	3	21.39		
			1	5	21.50		
			3	0	21.79		
			3	1	21.76		
			3	3	21.77		
6		0	20.67				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1851.5	18615	3	1	0	22.61
				1	8	22.61
				1	14	22.68
				8	0	21.64
				8	4	21.80
				8	7	21.65
	15	0		21.75		
	1880	18900		1	0	22.57
				1	8	22.50
				1	14	22.49
				8	0	21.41
				8	4	21.49
				8	7	21.41
	15	0		21.51		
	1908.5	19185		1	0	22.48
1			8	22.56		
1			14	22.55		
8			0	21.52		
8			4	21.58		
8			7	21.58		
15	0	21.53				
16QAM	1851.5	18615	1	0	22.02	
			1	8	21.80	
			1	14	21.89	
			8	0	20.99	
			8	4	20.83	
			8	7	20.90	
	15	0	20.81			
	1880	18900	1	0	21.91	
			1	8	21.99	
			1	14	22.02	
			8	0	20.62	
			8	4	20.60	
			8	7	20.60	
	15	0	20.49			
	1908.5	19185	1	0	21.40	
1			8	21.46		
1			14	21.48		
8			0	20.81		
8			4	20.77		
8			7	20.77		
15	0	20.76				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1852.5	18625	5	1	0	22.54	
				1	12	22.57	
				1	24	22.56	
				12	0	21.59	
				12	7	21.73	
				12	13	21.65	
	25	0		21.60			
	1880	18900		1	0	22.50	
				1	12	22.63	
				1	24	22.56	
				12	0	21.44	
				12	7	21.54	
				12	13	21.53	
	25	0		21.42			
	1907.5	19175		1	0	22.47	
				1	12	22.59	
				1	24	22.49	
				12	0	21.52	
				12	7	21.58	
				12	13	21.63	
	25	0		21.50			
	16QAM	1852.5		18625	1	0	20.87
					1	12	20.94
					1	24	20.97
12			0		20.71		
12			7		20.67		
12			13		20.66		
25		0	20.80				
1880		18900	1	0	21.31		
			1	12	21.46		
			1	24	21.46		
			12	0	20.50		
			12	7	20.43		
			12	13	20.43		
25		0	20.56				
1907.5		19175	1	0	21.15		
			1	12	21.29		
			1	24	21.29		
			12	0	20.54		
			12	7	20.58		
			12	13	20.57		
25		0	20.75				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1855	18650	10	1	0	22.62
				1	25	22.59
				1	49	22.59
				25	0	21.67
				25	12	21.67
				25	25	21.67
	50	0		21.74		
	1	0		22.40		
	1	25		22.52		
	1	49		22.51		
	25	0		21.47		
	25	12		21.53		
	25	25		21.52		
	50	0		21.44		
	1	0		22.52		
	1	25		22.66		
	1	49		22.65		
	25	0		21.48		
25	12	21.53				
25	25	21.53				
50	0	21.51				
16QAM	1855	18650	1	0	22.09	
			1	25	22.04	
			1	49	21.99	
			25	0	20.77	
			25	12	20.77	
			25	25	20.78	
	50	0	20.67			
	1	0	22.23			
	1	25	22.25			
	1	49	22.24			
	25	0	20.58			
	25	12	20.62			
	25	25	20.62			
	50	0	20.68			
	1	0	21.02			
	1	25	21.16			
	1	49	21.16			
	25	0	20.65			
25	12	20.79				
25	25	20.72				
50	0	21.06				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1857.5	18675	15	1	0	22.53
				1	37	22.54
				1	74	22.49
				36	0	21.56
				36	29	21.62
				36	30	21.61
	1880	18900		75	0	21.61
				1	0	22.42
				1	37	22.43
				1	74	22.43
				36	0	21.46
				36	29	21.47
	1902.5	19125		36	30	21.47
				75	0	21.51
				1	0	22.42
				1	37	22.42
				1	74	22.40
				36	0	21.51
16QAM	1857.5	18675	36	29	21.50	
			36	30	21.50	
			75	0	21.50	
			1	0	21.92	
			1	37	21.78	
			1	74	21.77	
	1880	18900	36	0	20.72	
			36	29	20.69	
			36	30	20.71	
			75	0	20.86	
			1	0	22.31	
			1	37	22.31	
	1902.5	19125	1	74	21.87	
			36	0	20.60	
			36	29	20.66	
			36	30	20.74	
			75	0	20.66	
			1	0	21.72	
			1	37	21.93	
			1	74	21.86	
			36	0	20.88	
			36	29	20.68	
			36	30	20.69	
			75	0	20.55	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1860	18700	20	1	0	22.73
				1	49	22.68
				1	99	22.66
				50	0	21.64
				50	24	21.55
				50	50	21.55
	100	0		21.67		
	1	0		22.82		
	1	49		22.76		
	1	99		22.75		
	50	0		21.53		
	50	24		21.50		
	50	50		21.50		
	100	0		21.49		
	1	0		22.52		
	1	49		22.67		
	1	99		22.66		
	16QAM	1860		18700	20	50
50			24			21.58
50			50			21.58
100			0			21.62
1			0			21.83
1			49			21.63
1		99	21.69			
50		0	20.86			
50		24	20.69			
50		50	20.70			
100		0	20.79			
1		0	21.45			
1		49	21.56			
1		99	21.56			
50		0	20.64			
50		24	20.57			
50		50	20.57			
100		0	20.62			
1900	19100	20	1	0	22.15	
			1	49	22.28	
			1	99	22.31	
			50	0	20.61	
			50	24	20.99	
			50	50	20.99	
100	0	21.02				

Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
2	1850.7	18607	1.4	6	0	1.082	Fig.1	1.088	Fig.2
	1880	18900		6	0	1.088	Fig.3	1.082	Fig.4
	1909.3	19193		6	0	1.082	Fig.5	1.094	Fig.6
	1851.5	18615	3	15	0	2.683	Fig.7	2.683	Fig.8
	1880	18900		15	0	2.696	Fig.9	2.683	Fig.10
	1908.5	19185		15	0	2.683	Fig.11	2.683	Fig.12
	1852.5	18625	5	25	0	4.472	Fig.13	4.472	Fig.14
	1880	18900		25	0	4.472	Fig.15	4.472	Fig.16
	1907.5	19175		25	0	4.472	Fig.17	4.472	Fig.18
	1855	18650	10	50	0	90	Fig.19	8.944	Fig.20
	1880	18900		50	0	8.900	Fig.21	8.900	Fig.22
	1905	19150		50	0	8.900	Fig.23	8.857	Fig.24
	1857.5	18675	15	75	0	13.350	Fig.25	13.350	Fig.26
	1880	18900		75	0	13.415	Fig.27	13.415	Fig.28
	1902.5	19125		75	0	13.480	Fig.29	13.415	Fig.30
	1860	18700	20	100	0	17.887	Fig.31	17.800	Fig.32
	1880	18900		100	0	17.887	Fig.33	17.887	Fig.34
	1900	19100		100	0	17.800	Fig.35	17.887	Fig.36

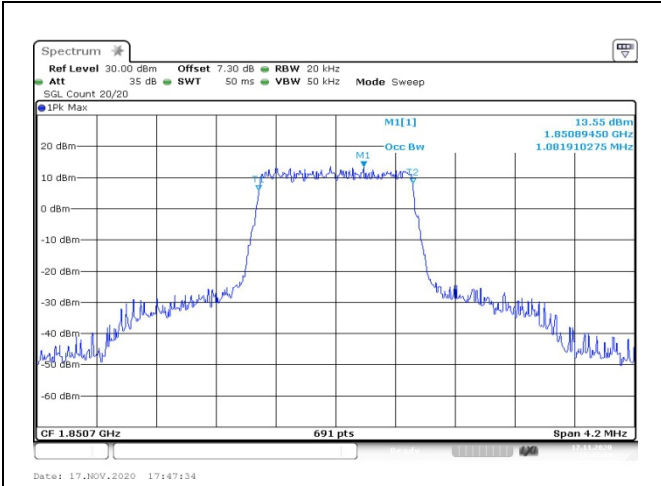


Fig.1

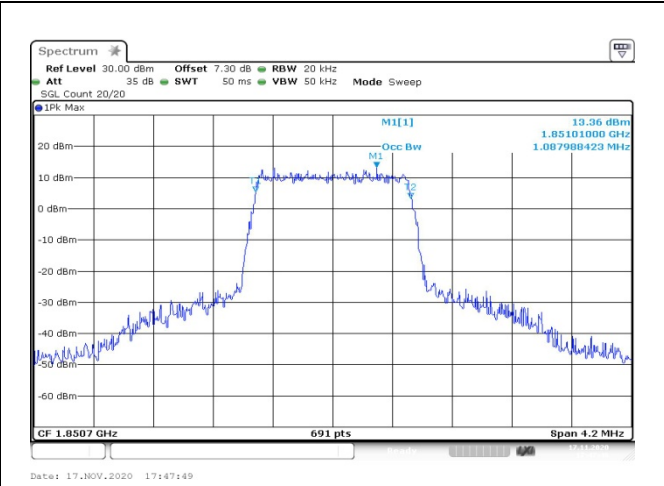


Fig.2

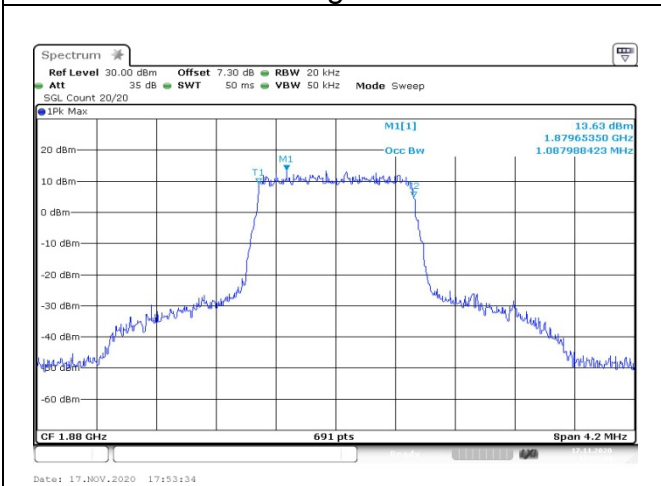


Fig.3

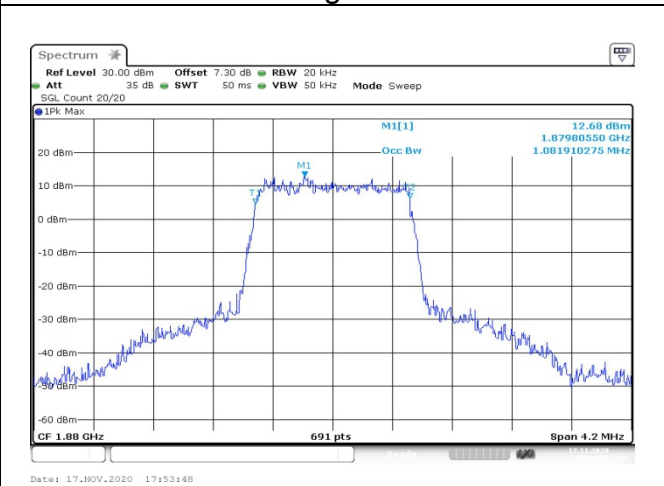


Fig.4

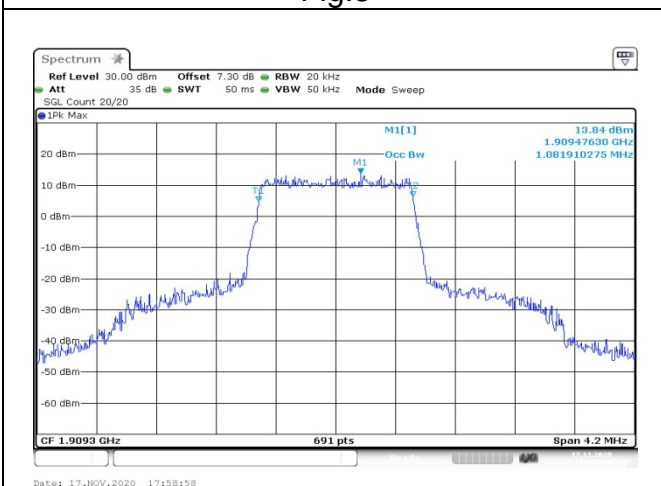


Fig.5

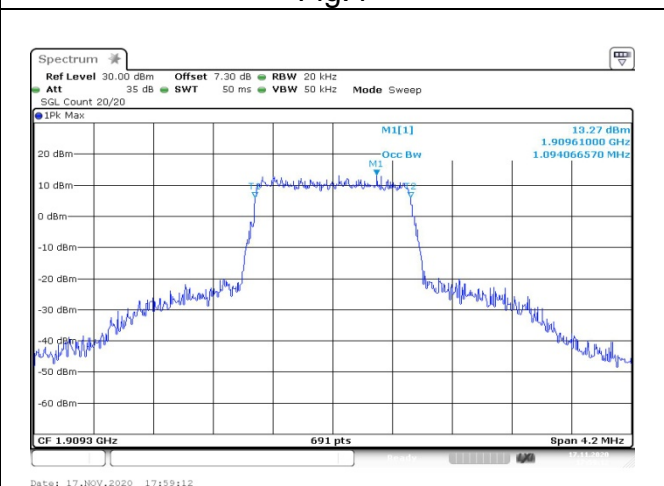


Fig.6

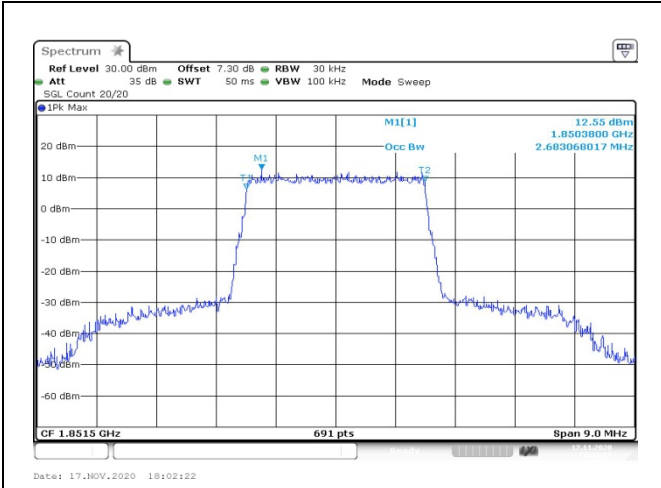


Fig.7

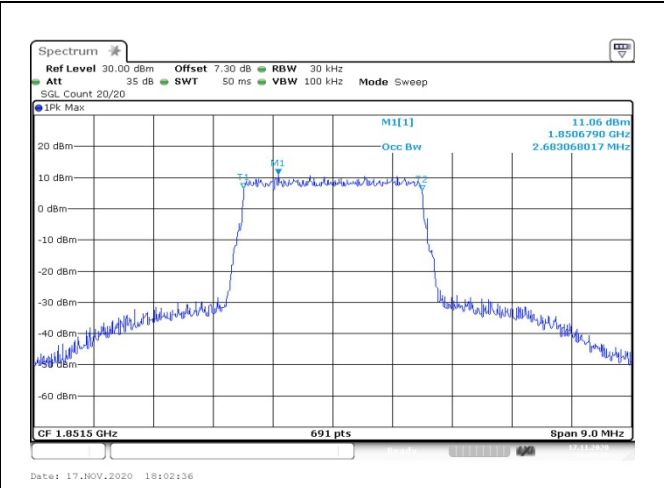


Fig.8

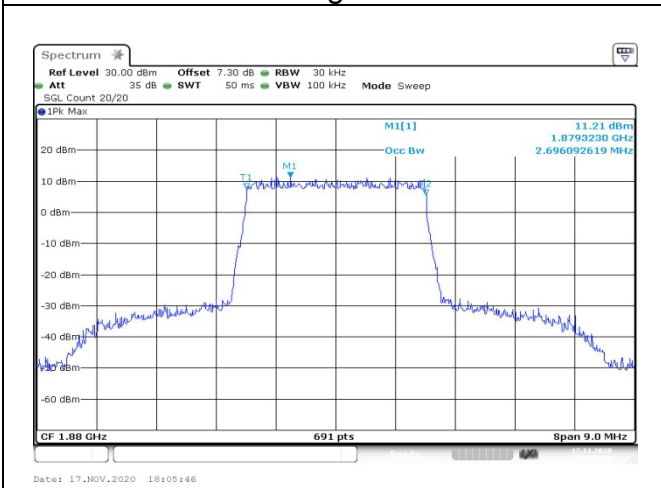


Fig.9

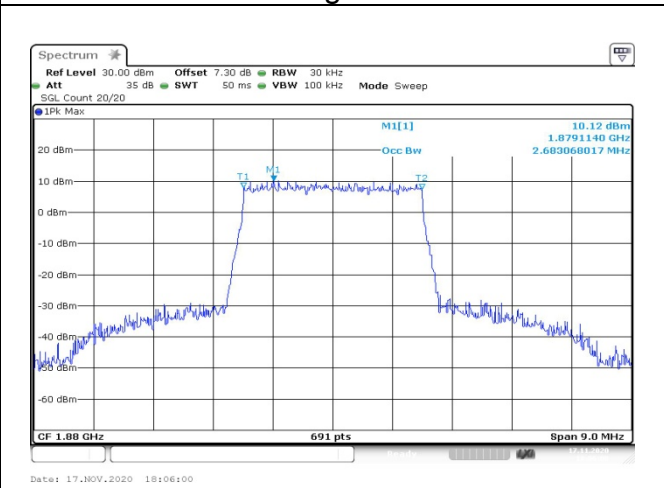


Fig.10

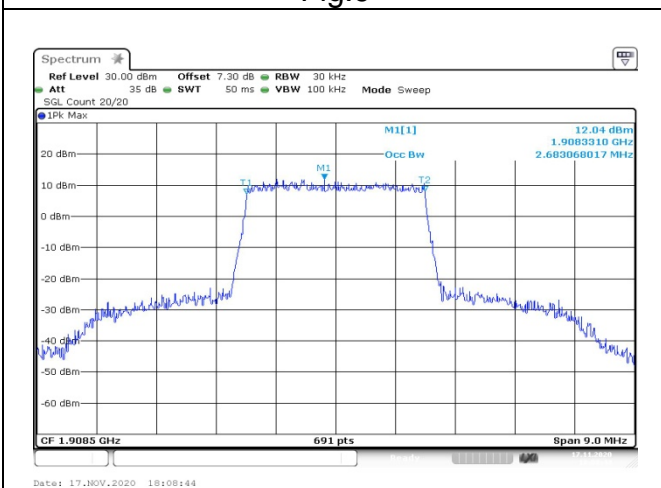


Fig.11

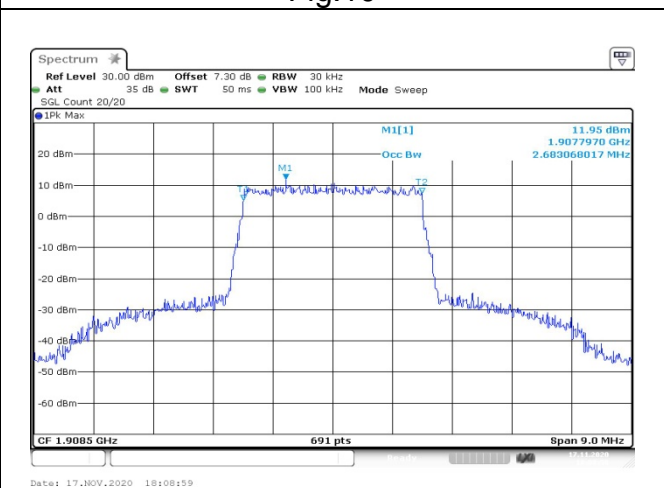


Fig.12

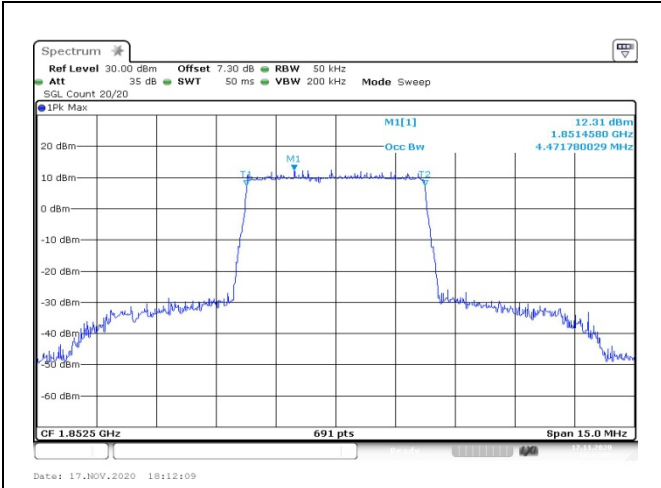


Fig.13

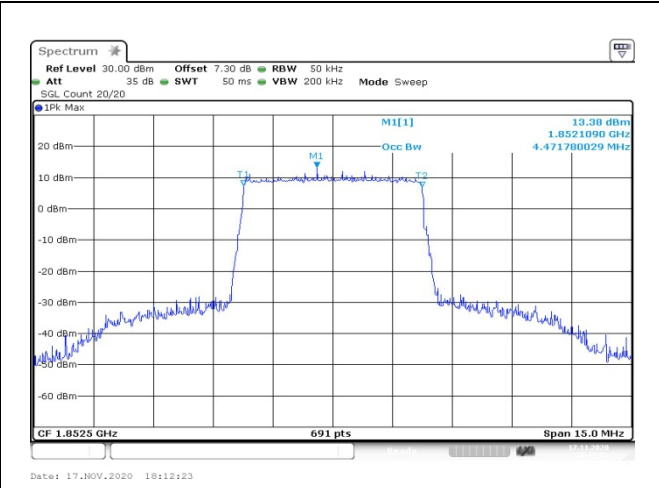


Fig.14

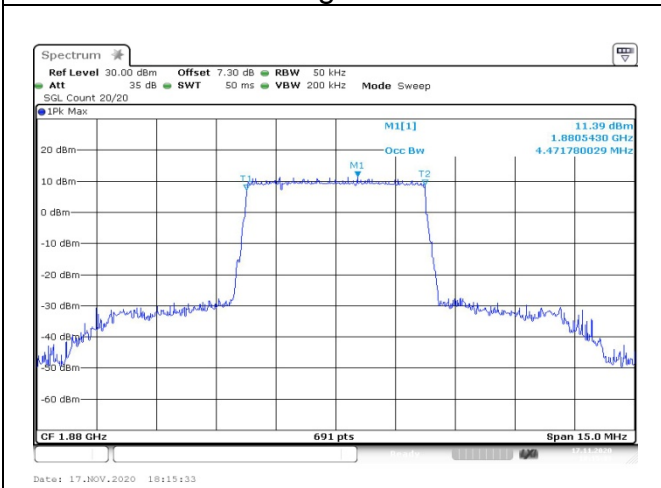


Fig.15

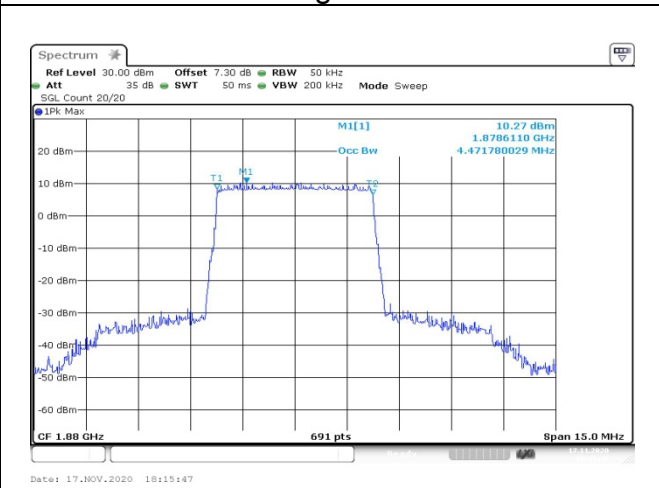


Fig.16

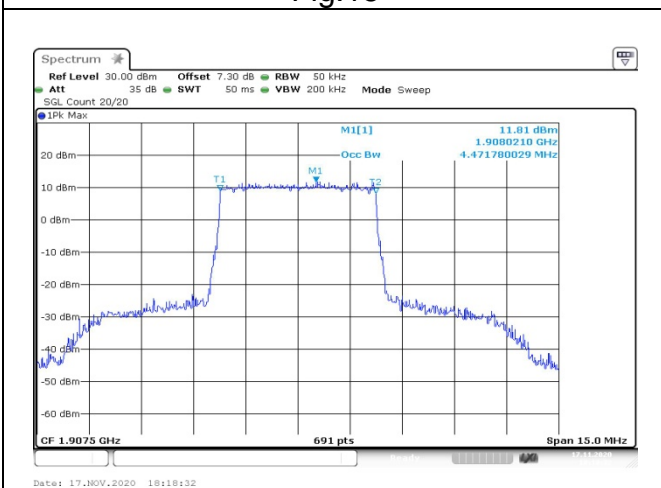


Fig.17

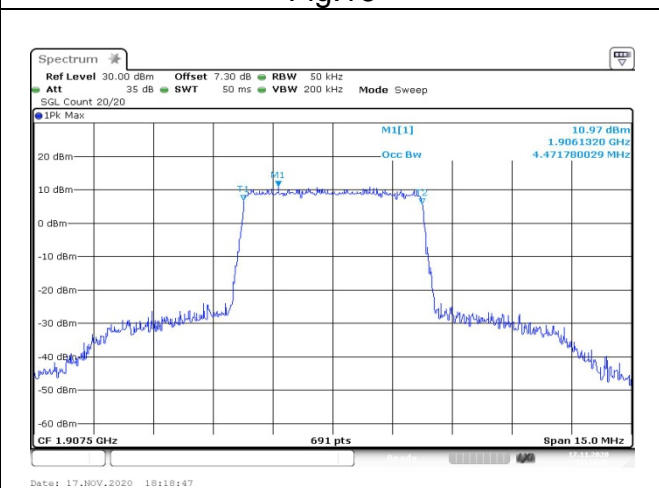


Fig.18

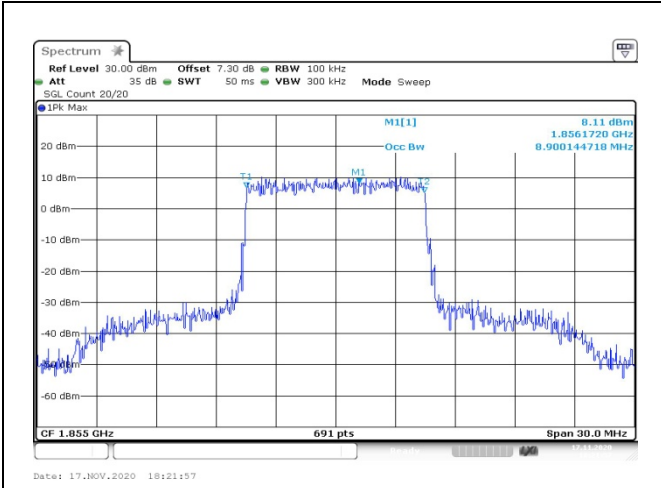


Fig.19

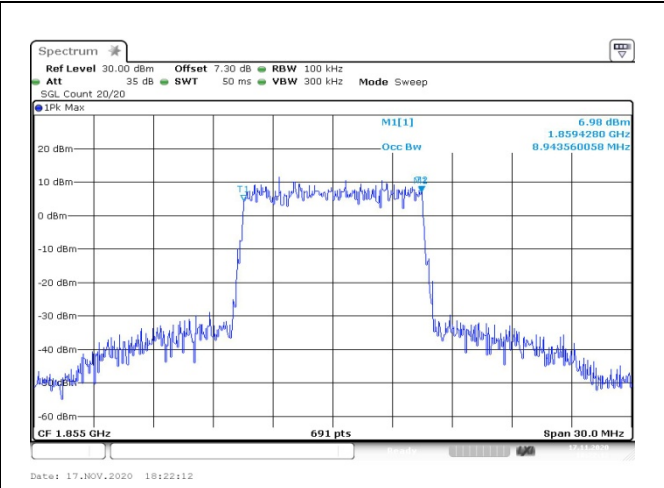


Fig.20

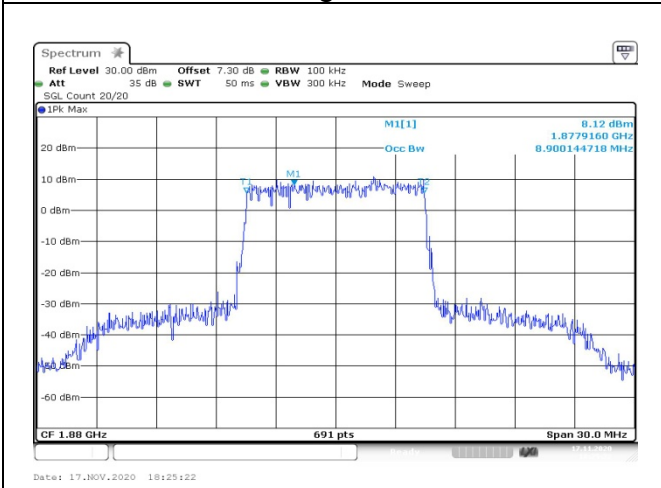


Fig.21

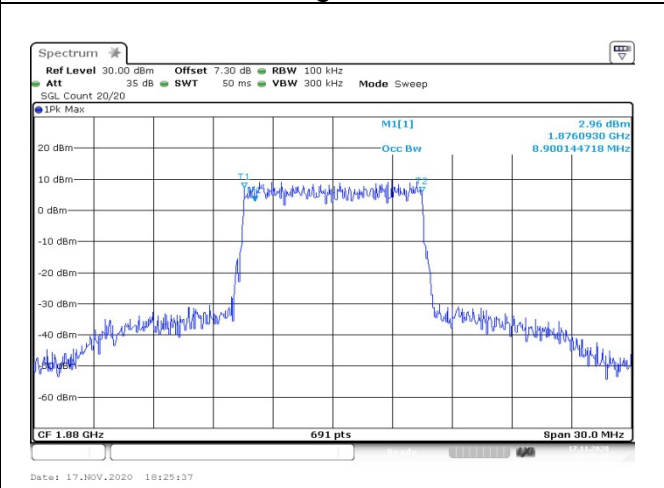


Fig.22

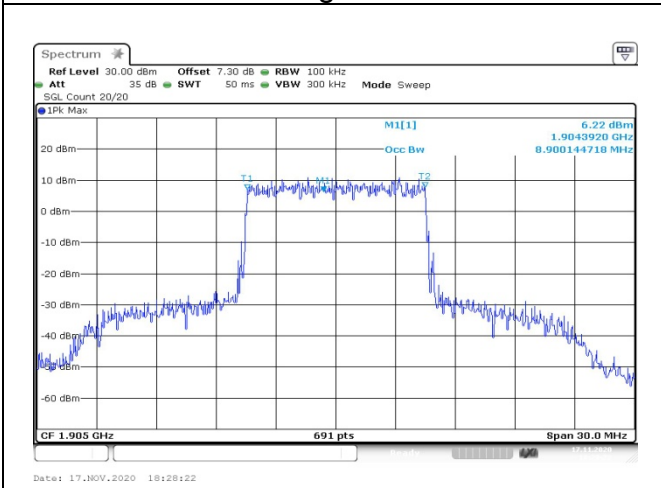


Fig.23

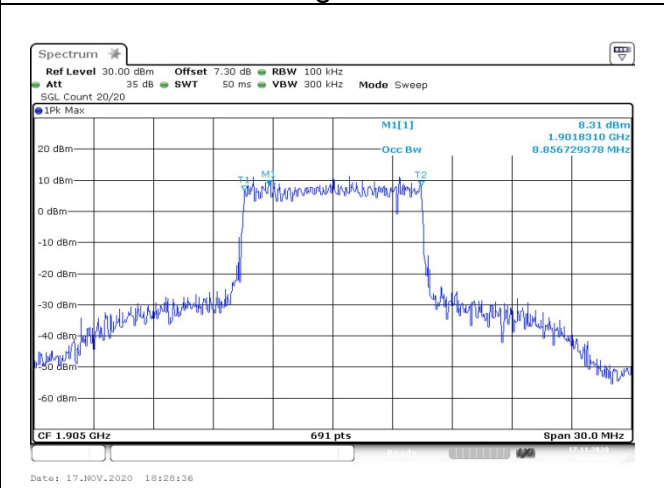


Fig.24

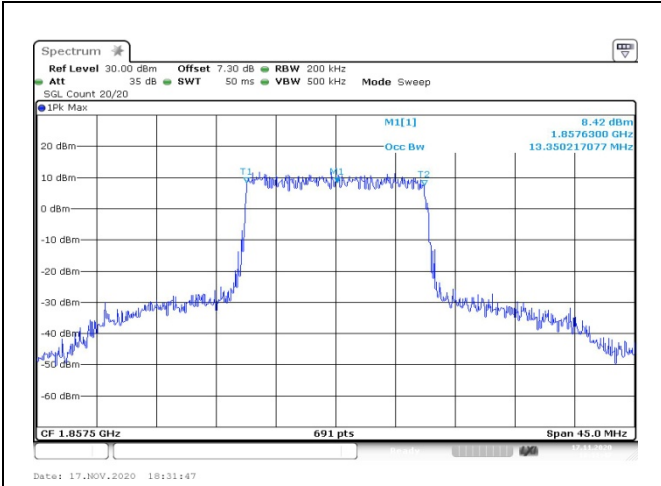


Fig.25

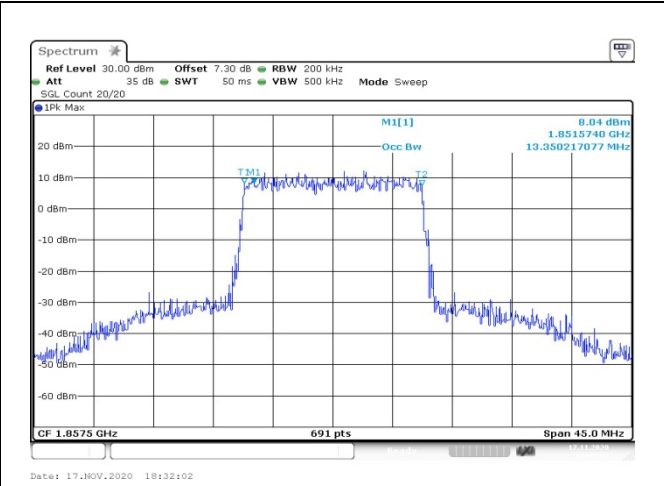


Fig.26

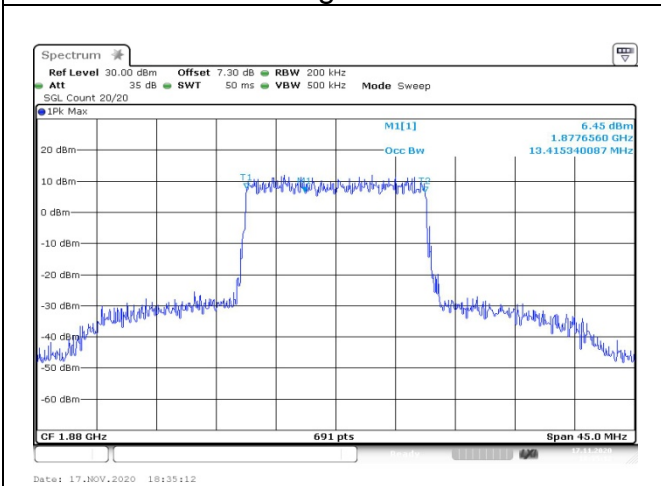


Fig.27

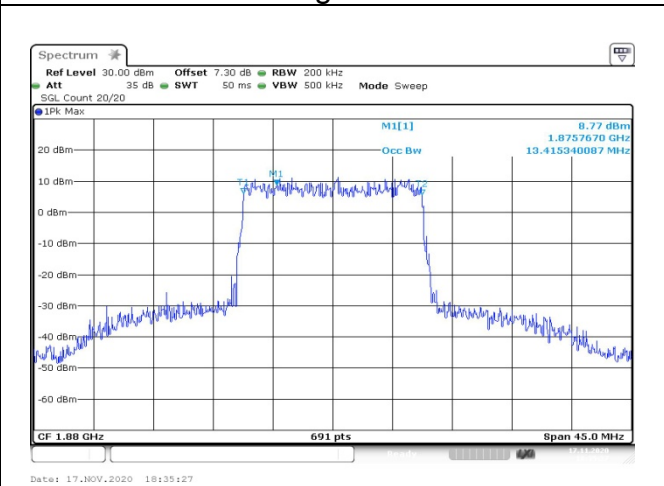


Fig.28

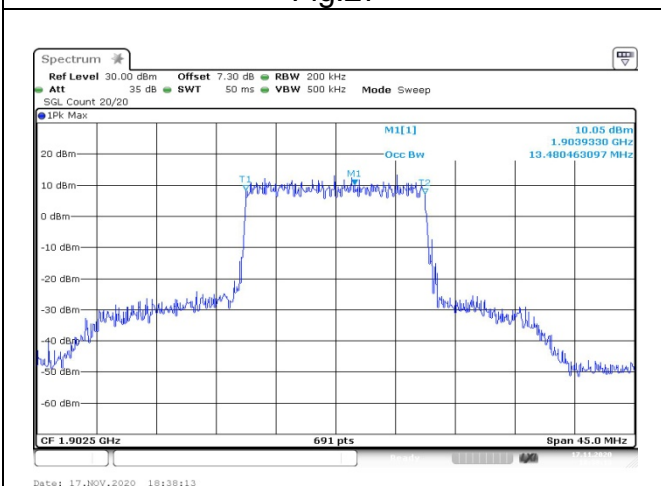


Fig.29

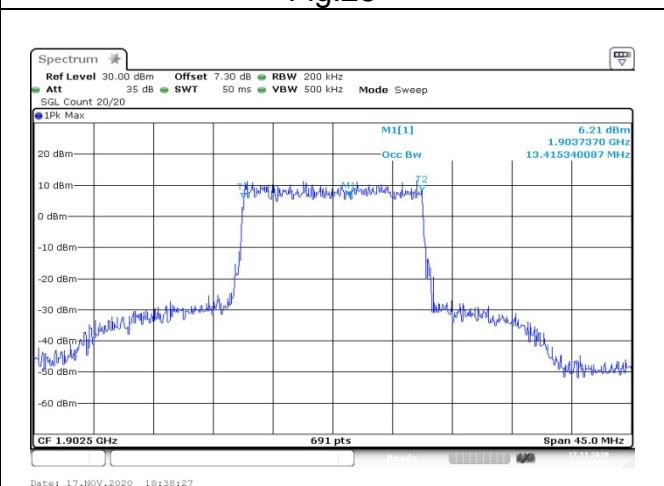


Fig.30

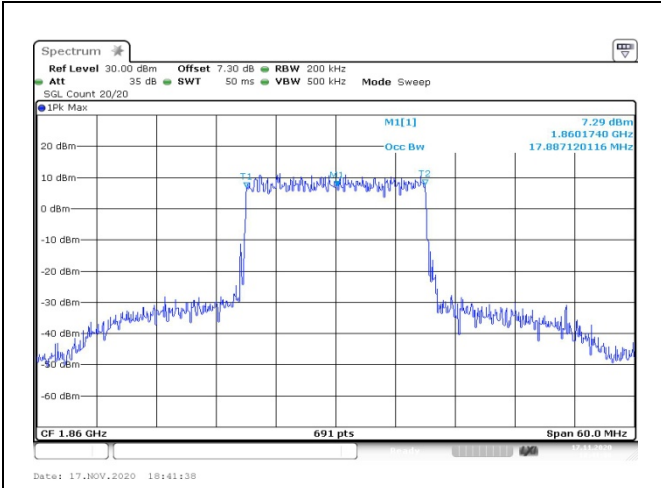


Fig.31

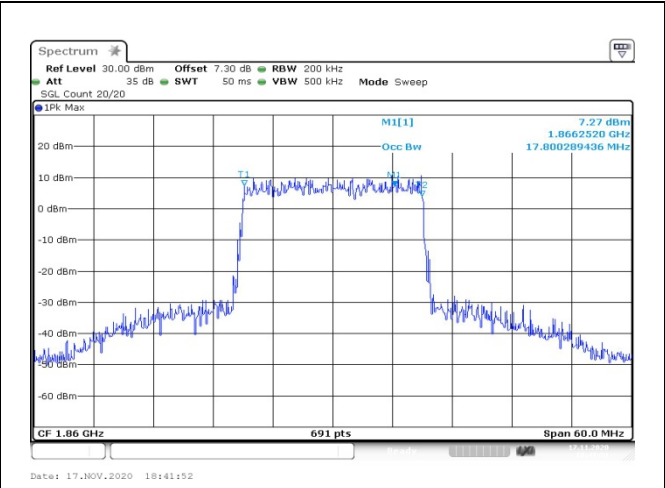


Fig.32

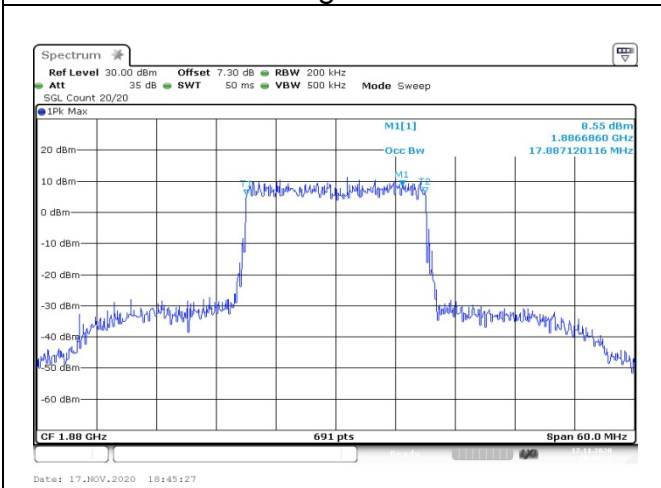


Fig.33

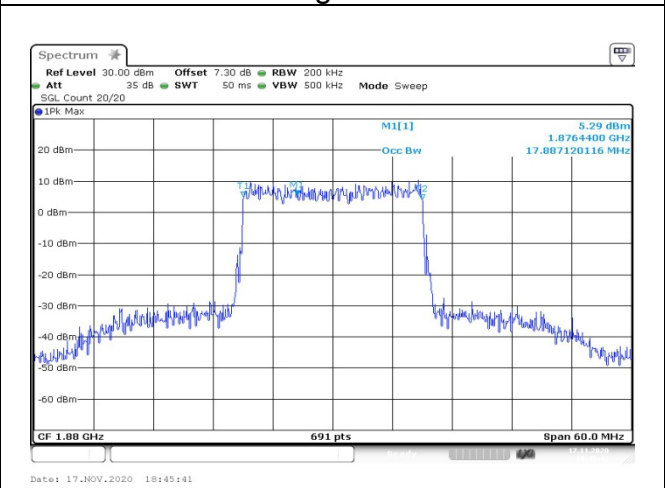


Fig.34

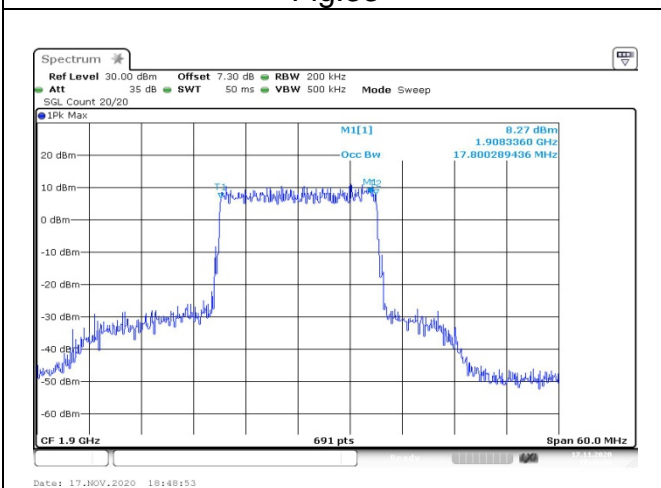


Fig.35

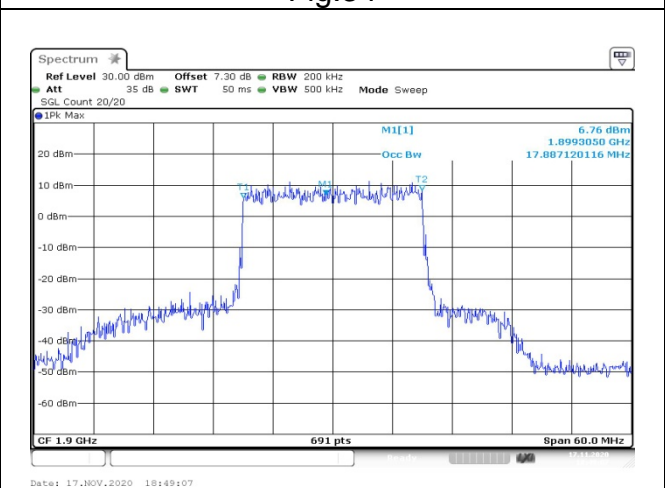


Fig.36

1 Emission Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
2	1850.7	18607	1.4	6	0	1.228	Fig.1	1.234	Fig.2
	1880	18900		6	0	1.240	Fig.3	1.222	Fig.4
	1909.3	19193		6	0	1.222	Fig.5	1.228	Fig.6
	1851.5	18615	3	15	0	2.944	Fig.7	2.944	Fig.8
	1880	18900		15	0	2.996	Fig.9	2.983	Fig.10
	1908.5	19185		15	0	2.983	Fig.11	2.983	Fig.12
	1852.5	18625	5	25	0	4.884	Fig.13	4.841	Fig.14
	1880	18900		25	0	4.884	Fig.15	4.906	Fig.16
	1907.5	19175		25	0	4.841	Fig.17	4.928	Fig.18
	1855	18650	10	50	0	9.638	Fig.19	9.768	Fig.20
	1880	18900		50	0	9.638	Fig.21	9.725	Fig.22
	1905	19150		50	0	9.725	Fig.23	9.725	Fig.24
	1857.5	18675	15	75	0	14.653	Fig.25	14.653	Fig.26
	1880	18900		75	0	14.653	Fig.27	14.653	Fig.28
	1902.5	19125		75	0	14.783	Fig.29	14.913	Fig.30
	1860	18700	20	100	0	19.103	Fig.31	19.450	Fig.32
	1880	18900		100	0	19.363	Fig.33	19.450	Fig.34
	1900	19100		100	0	19.450	Fig.35	19.363	Fig.36

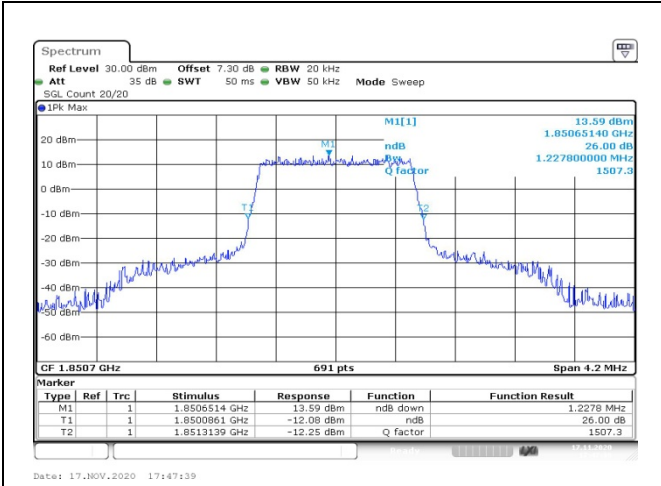


Fig.1

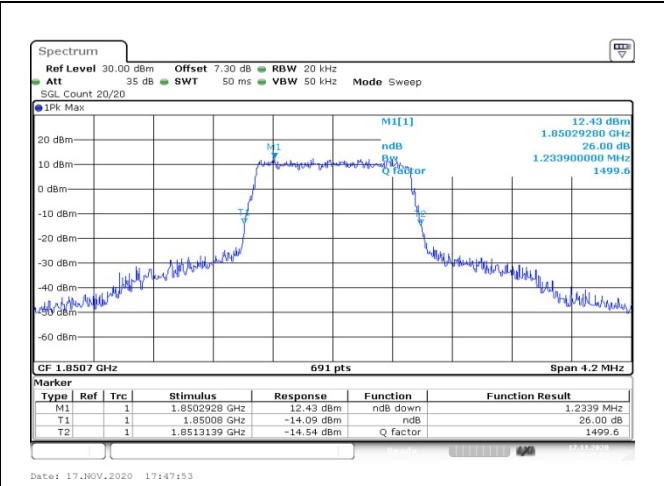


Fig.2

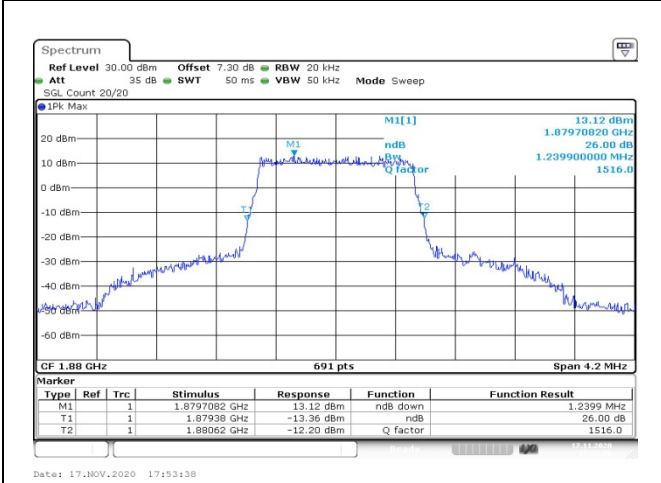


Fig.3

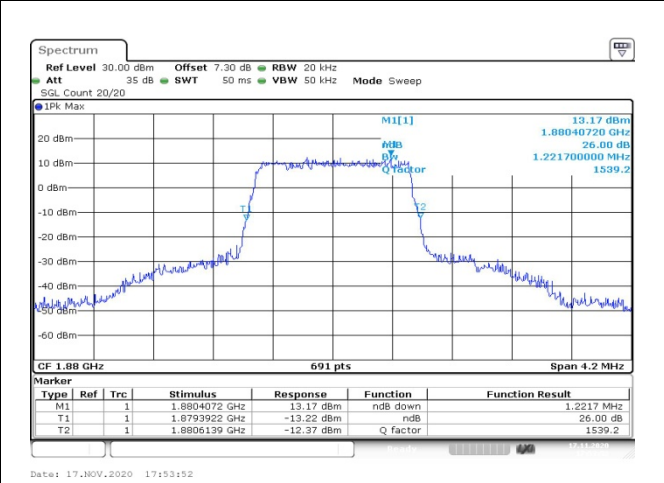


Fig.4

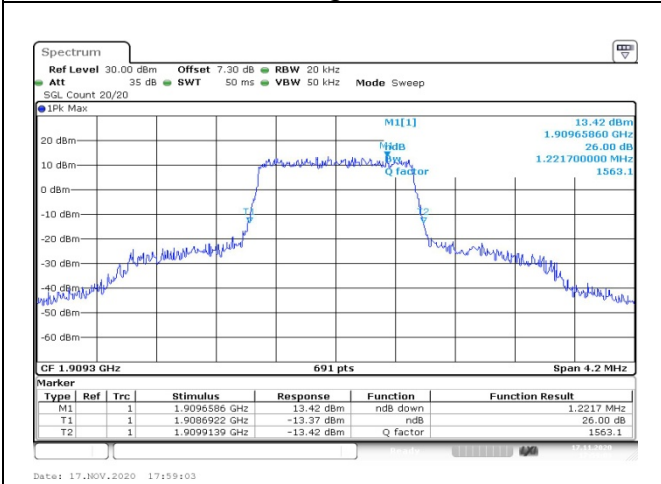


Fig.5

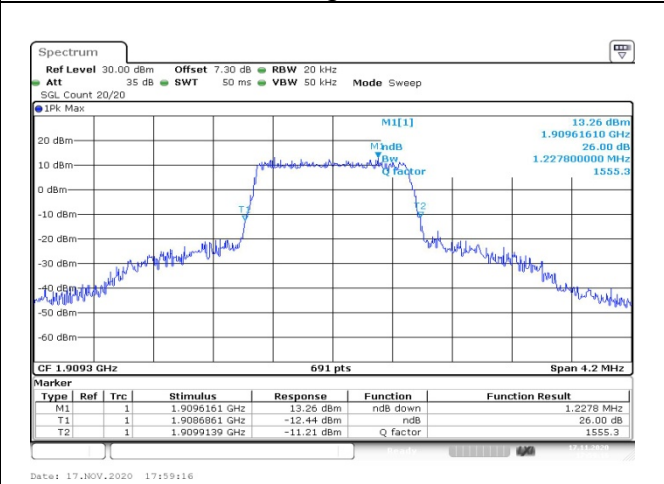


Fig.6

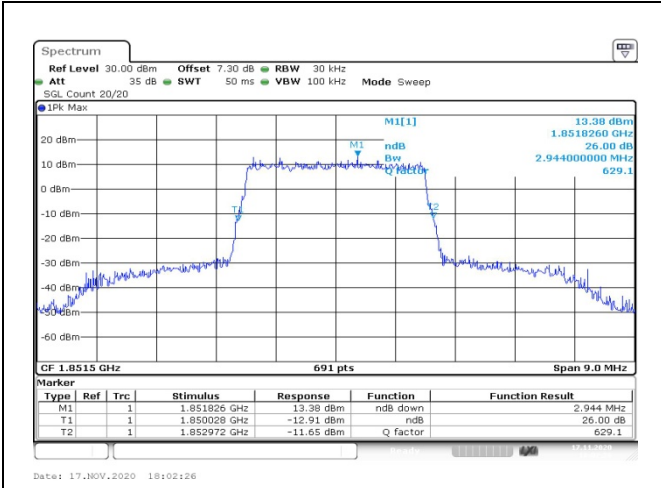


Fig.7

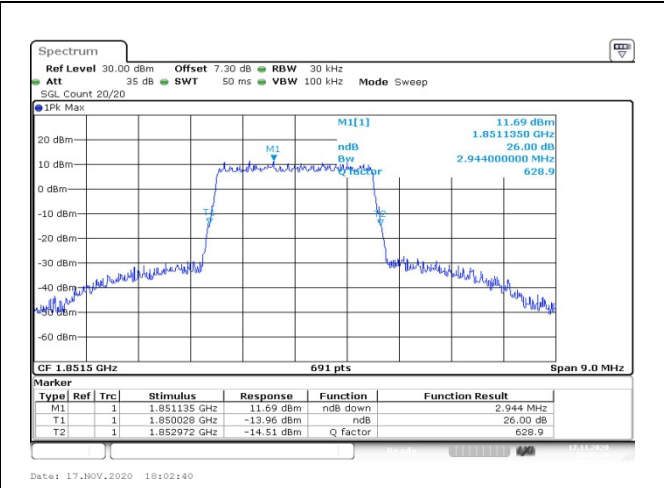


Fig.8

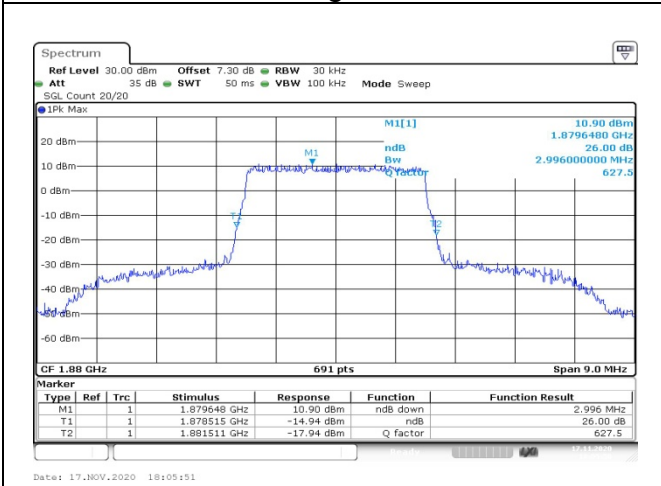


Fig.9

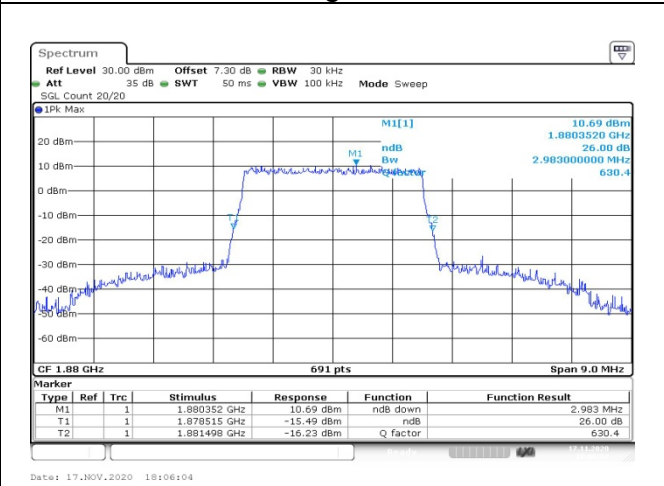


Fig.10

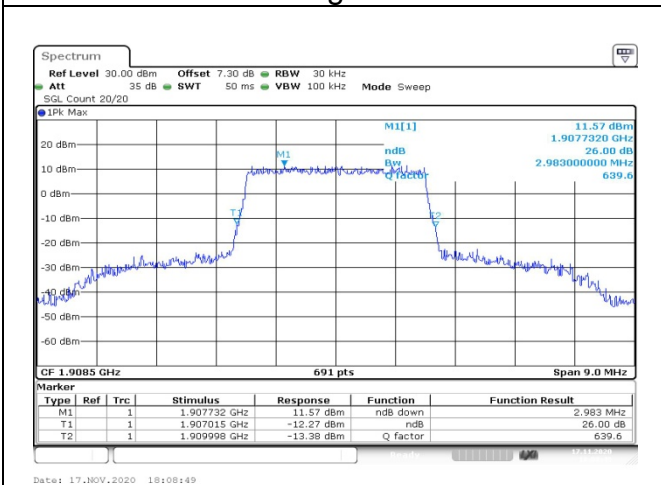


Fig.11

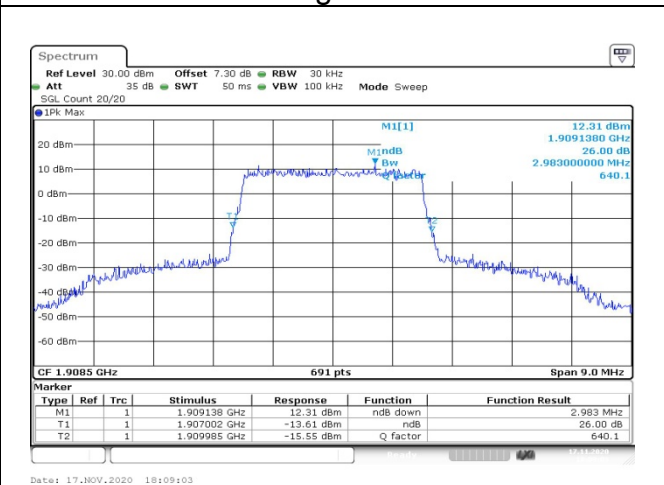


Fig.12