

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	23.36
				1	5	23.24
				3	2	22.27
				6	0	22.45
	1880	18900		1	0	23.50
				1	5	23.37
				3	2	22.37
				6	0	22.25
	1909.3	19193		1	0	23.34
				1	5	23.29
				3	2	22.37
				6	0	22.40
16QAM	1850.7	18607	1.4	1	0	22.67
				1	5	22.39
				3	2	21.50
				6	0	21.52
	1880	18900		1	0	22.55
				1	5	22.40
				3	2	21.44
				6	0	21.60
	1909.3	19193		1	0	22.95
				1	5	22.66
				3	2	21.37
				6	0	21.48
64QAM	1850.7	18607	1.4	1	0	22.53
				1	5	22.35
				3	2	21.46
				6	0	21.56
	1880	18900		1	0	22.46
				1	5	22.43
				3	2	21.37
				6	0	21.44
	1909.3	19193		1	0	22.75
				1	5	22.69
				3	2	21.36
				6	0	21.32

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1851.5	18615	3	1	0	23.46
				1	14	23.34
				8	4	22.35
				15	0	22.48
	1880	18900		1	0	23.51
				1	14	23.46
				8	4	22.41
				15	0	22.32
	1908.5	19185		1	0	23.36
				1	14	23.19
				8	4	22.44
				15	0	22.42
16QAM	1851.5	18615	3	1	0	22.59
				1	14	22.41
				8	4	21.49
				15	0	21.44
	1880	18900		1	0	22.49
				1	14	22.48
				8	4	21.55
				15	0	21.50
	1908.5	19185		1	0	22.86
				1	14	22.73
				8	4	21.49
				15	0	21.49
64QAM	1851.5	18615	3	1	0	22.61
				1	14	22.36
				8	4	21.38
				15	0	21.51
	1880	18900		1	0	22.44
				1	14	22.50
				8	4	21.44
				15	0	21.45
	1908.5	19185		1	0	22.81
				1	14	22.70
				8	4	21.39
				15	0	21.44

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1852.5	18625	5	1	0	23.39
				1	24	23.36
				12	6	22.29
				25	0	22.44
	1880	18900		1	0	23.43
				1	24	23.42
				12	6	22.41
				25	0	22.29
	1907.5	19175		1	0	23.37
				1	24	23.20
				12	6	22.37
				25	0	22.39
16QAM	1852.5	18625	5	1	0	22.54
				1	24	22.37
				12	6	21.50
				25	0	21.52
	1880	18900		1	0	22.44
				1	24	22.55
				12	6	21.53
				25	0	21.61
	1907.5	19175		1	0	22.90
				1	24	22.65
				12	6	21.49
				25	0	21.51
64QAM	1852.5	18625	5	1	0	22.59
				1	24	22.31
				12	6	21.48
				25	0	21.45
	1880	18900		1	0	22.43
				1	24	22.46
				12	6	21.40
				25	0	21.48
	1907.5	19175		1	0	22.86
				1	24	22.68
				12	6	21.43
				25	0	21.36

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1855	18650	10	1	0	23.50
				1	49	23.35
				24	12	22.34
				50	0	22.48
	1880	18900		1	0	23.49
				1	49	23.46
				24	12	22.38
				50	0	22.29
	1905	19150		1	0	23.40
				1	49	23.31
				24	12	22.42
				50	0	22.30
16QAM	1855	18650	10	1	0	22.55
				1	49	22.33
				24	12	21.53
				50	0	21.46
	1880	18900		1	0	22.51
				1	49	22.53
				24	12	21.41
				50	0	21.57
	1905	19150		1	0	22.90
				1	49	22.70
				24	12	21.46
				50	0	21.46
64QAM	1855	18650	10	1	0	22.61
				1	49	22.36
				24	12	21.47
				50	0	21.51
	1880	18900		1	0	22.43
				1	49	22.42
				24	12	21.45
				50	0	21.45
	1905	19150		1	0	22.82
				1	49	22.74
				24	12	21.35
				50	0	21.32

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1857.5	18675	15	1	0	23.45
				1	74	23.37
				40	18	22.24
				75	0	22.52
	1880	18900		1	0	23.52
				1	74	23.48
				40	18	22.33
				75	0	22.29
	1902.5	19125		1	0	23.37
				1	74	23.19
				40	18	22.38
				75	0	22.32
16QAM	1857.5	18675	15	1	0	22.58
				1	74	22.36
				40	18	21.51
				75	0	21.56
	1880	18900		1	0	22.56
				1	74	22.55
				40	18	21.41
				75	0	21.52
	1902.5	19125		1	0	22.92
				1	74	22.78
				40	18	21.40
				75	0	21.53
64QAM	1857.5	18675	15	1	0	22.57
				1	74	22.29
				40	18	21.44
				75	0	21.42
	1880	18900		1	0	22.53
				1	74	22.51
				40	18	21.45
				75	0	21.41
	1902.5	19125		1	0	22.86
				1	74	22.74
				40	18	21.36
				75	0	21.34

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1860	18700	20	1	0	23.51
				1	99	23.37
				50	25	22.39
				100	0	22.52
	1880	18900		1	0	23.57
				1	99	23.52
				50	25	22.42
				100	0	22.39
	1900	19100		1	0	23.43
				1	99	23.32
				50	25	22.48
				100	0	22.42
16QAM	1860	18700	20	1	0	22.69
				1	99	22.48
				50	25	21.59
				100	0	21.57
	1880	18900		1	0	22.57
				1	99	22.55
				50	25	21.56
				100	0	21.62
	1900	19100		1	0	22.95
				1	99	22.79
				50	25	21.52
				100	0	21.58
64QAM	1860	18700	20	1	0	22.67
				1	99	22.43
				50	25	21.52
				100	0	21.56
	1880	18900		1	0	22.56
				1	99	22.52
				50	25	21.47
				100	0	21.53
	1900	19100		1	0	22.86
				1	99	22.78
				50	25	21.49
				100	0	21.46

Occupied Bandwidth
Test result

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	1.094	Fig.2	1.094	Fig.3
	1880.0	18900		6	0	1.088	Fig.4	1.094	Fig.5	1.100	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	2.735	Fig.10	2.735	Fig.11	2.761	Fig.12
	1880.0	18900		15	0	2.735	Fig.13	2.735	Fig.14	2.735	Fig.15
	1908.5	19185		15	0	2.748	Fig.16	2.748	Fig.17	2.748	Fig.18
	1852.5	18625	5	25	0	4.515	Fig.19	4.515	Fig.20	4.515	Fig.21
	1880.0	18900		25	0	4.515	Fig.22	4.493	Fig.23	4.515	Fig.24
	1907.5	19175		25	0	4.515	Fig.25	4.515	Fig.26	4.515	Fig.27
	1855	18650	10	50	0	9.074	Fig.28	9.074	Fig.29	9.030	Fig.30
	1880	18900		50	0	9.030	Fig.31	9.030	Fig.32	9.030	Fig.33
	1905	19150		50	0	9.074	Fig.34	9.074	Fig.35	9.074	Fig.36
	1857.5	18675	15	75	0	13.480	Fig.37	13.480	Fig.38	13.415	Fig.39
	1880.0	18900		75	0	13.480	Fig.40	13.546	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	17.974	Fig.46	17.887	Fig.47	17.887	Fig.48
	1880	18900		100	0	17.974	Fig.49	17.974	Fig.50	17.974	Fig.51
	1900	19100		100	0	17.974	Fig.52	17.887	Fig.53	17.887	Fig.54

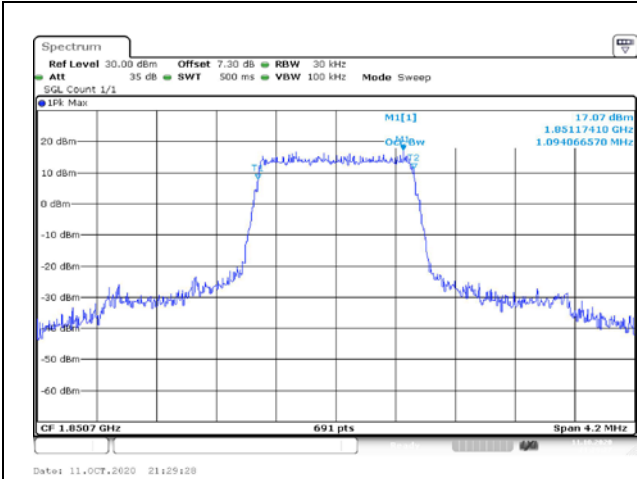


Fig.1

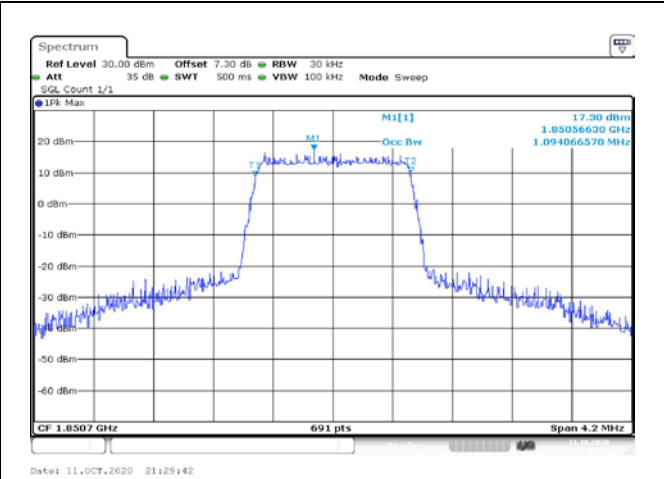


Fig.2

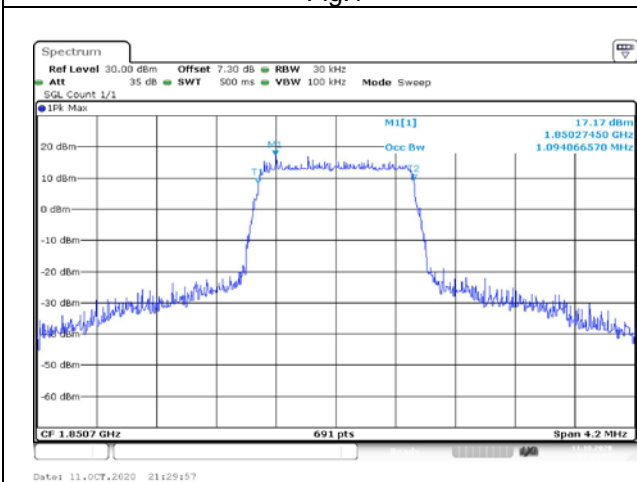


Fig.3

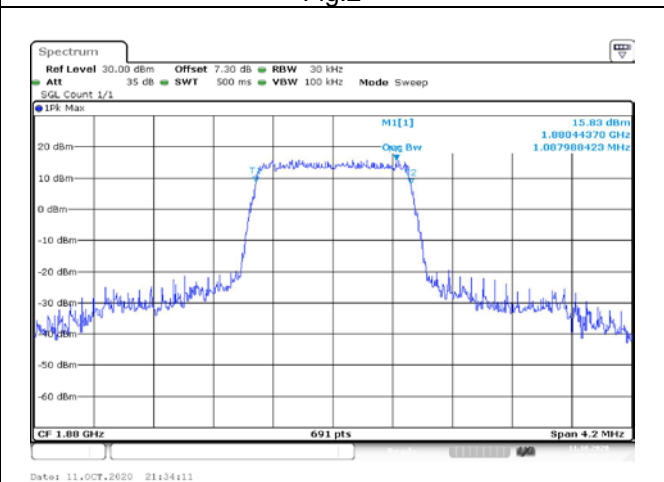


Fig.4

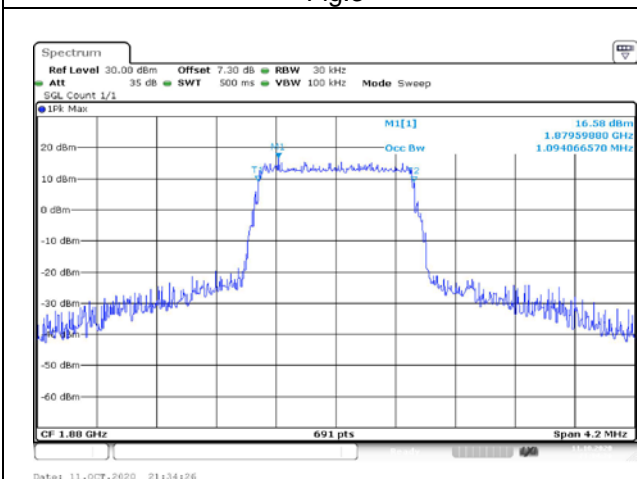


Fig.5

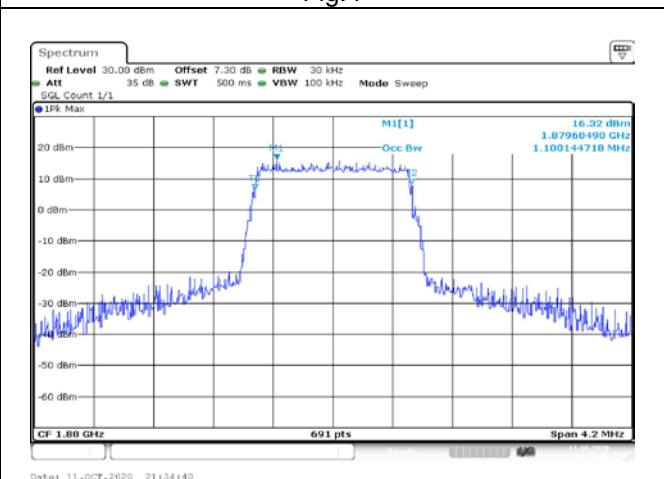


Fig.6

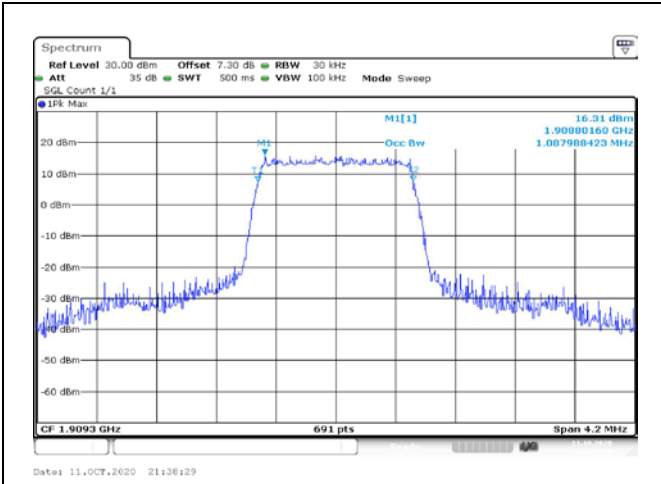


Fig.7

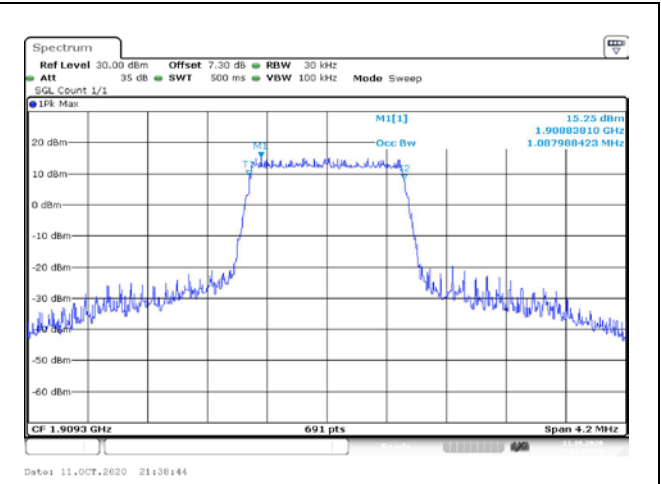


Fig.8

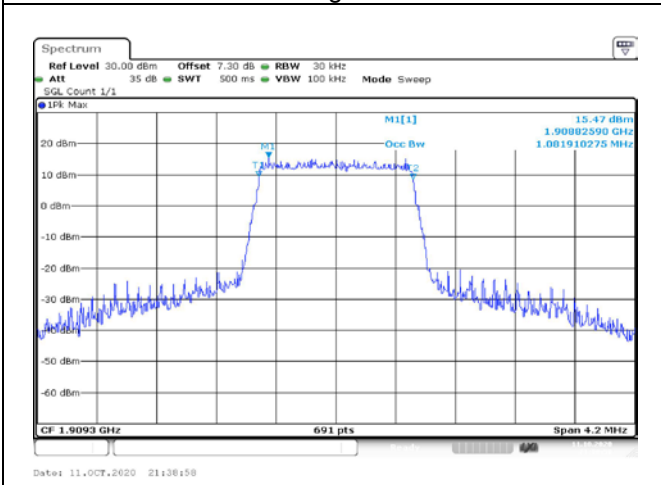


Fig.9

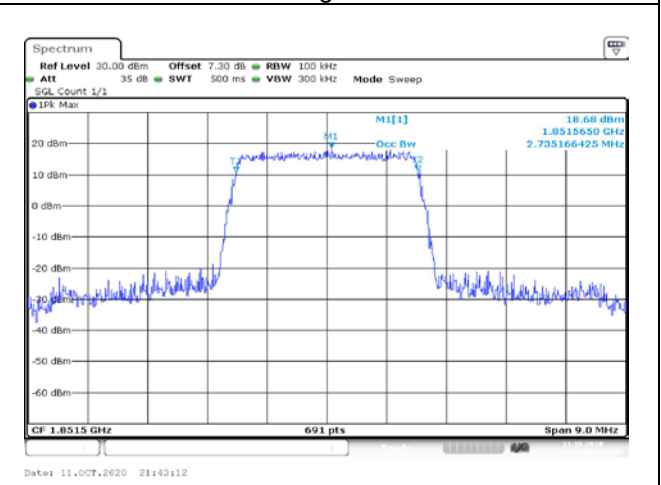


Fig.10

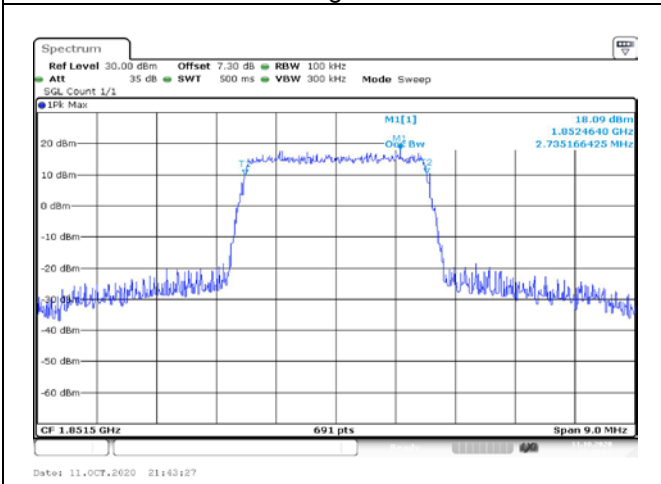


Fig.11

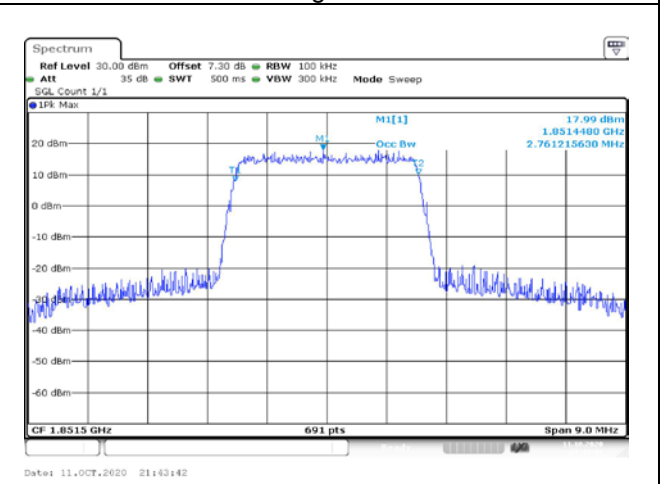


Fig.12

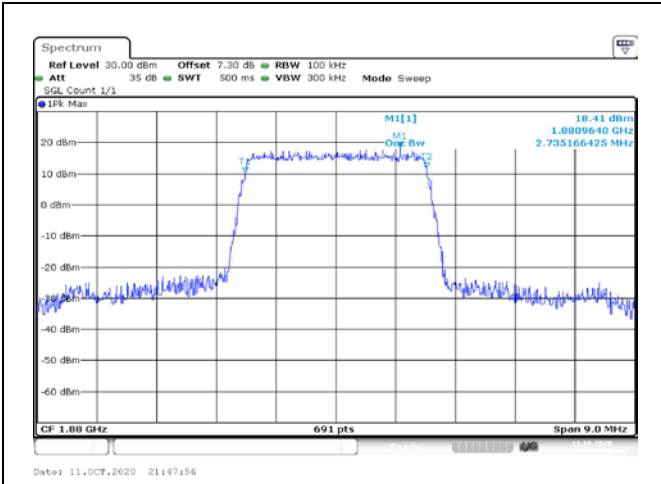


Fig.13

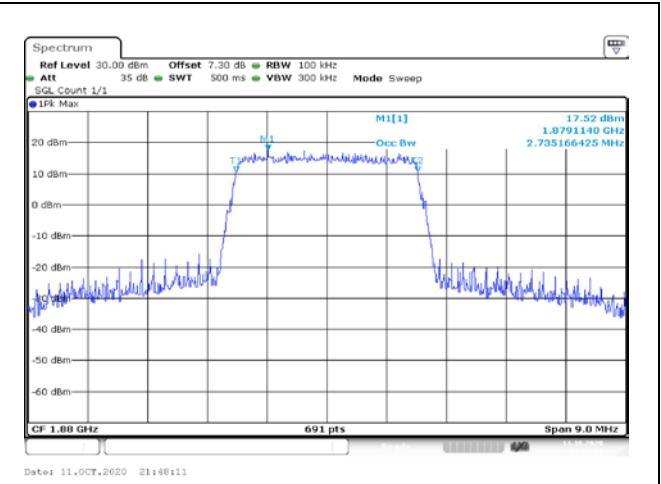


Fig.14

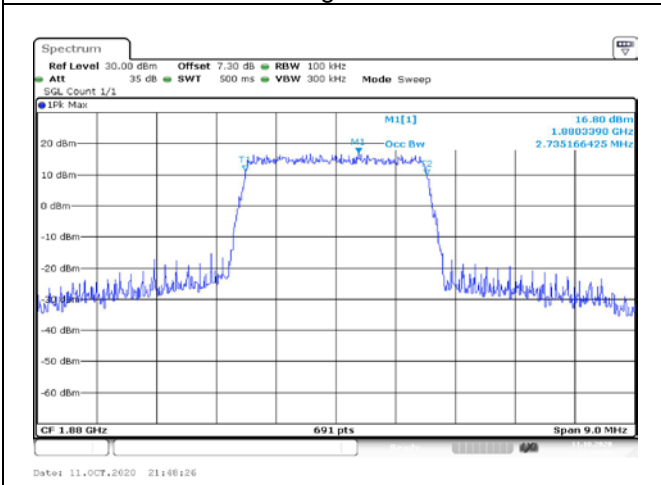


Fig.15

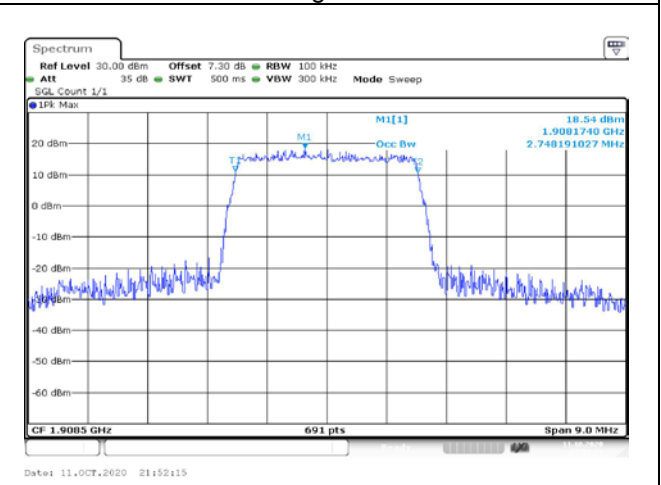


Fig.16

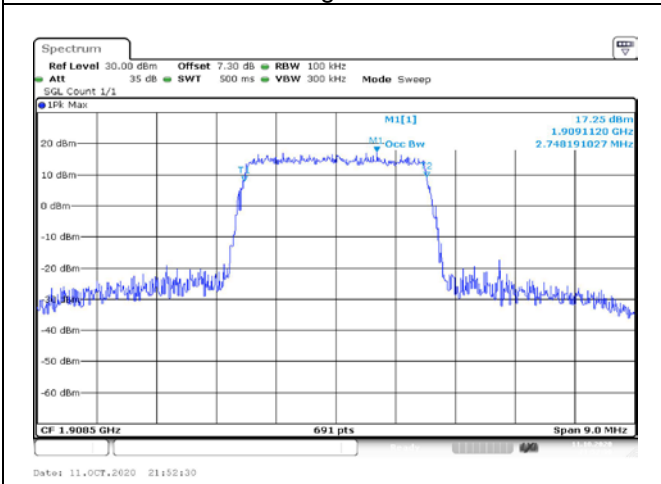


Fig.17

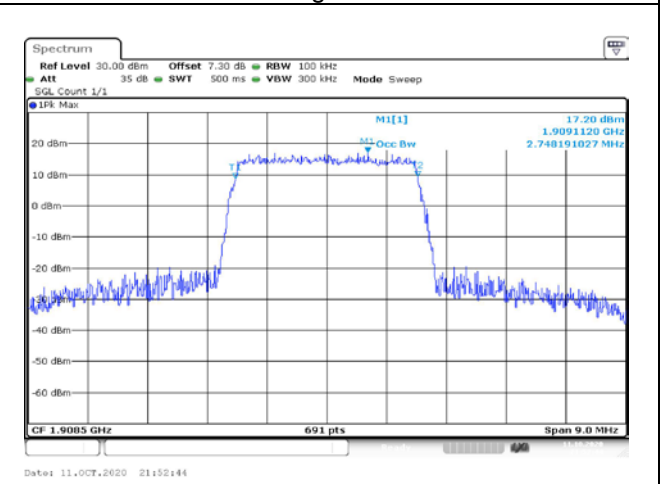


Fig.18

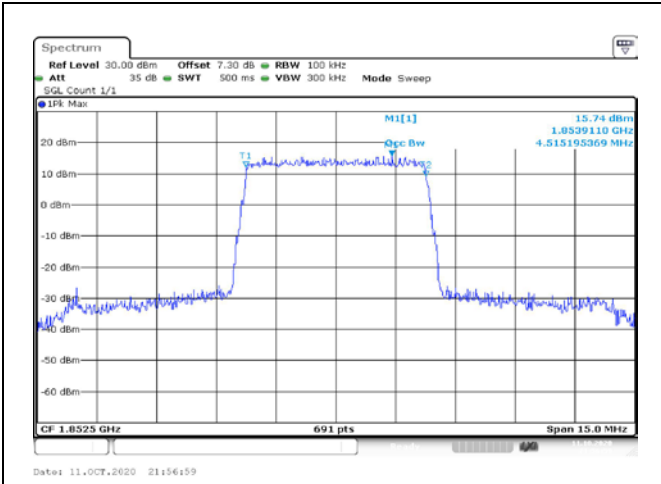


Fig.19

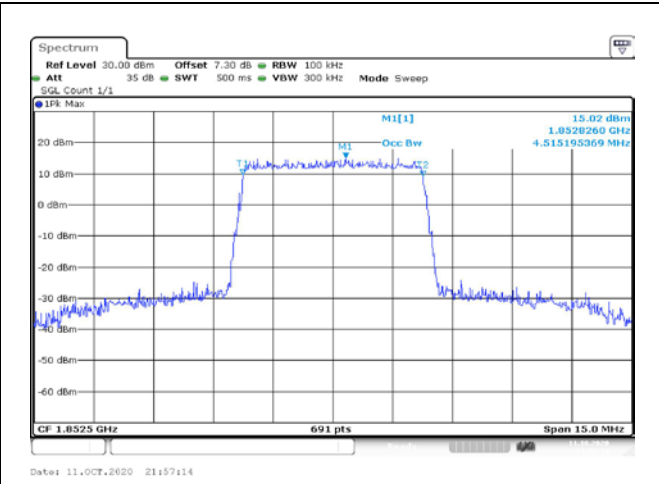


Fig.20

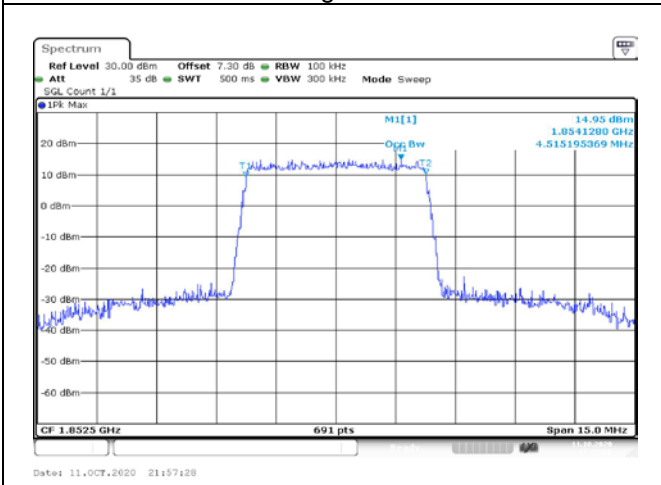


Fig.21

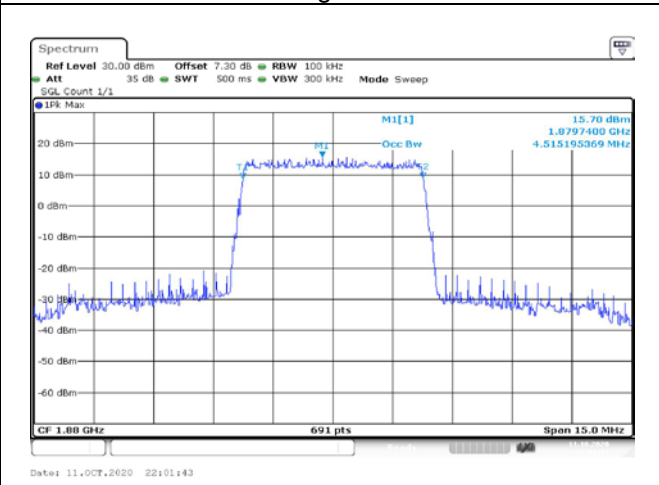


Fig.22

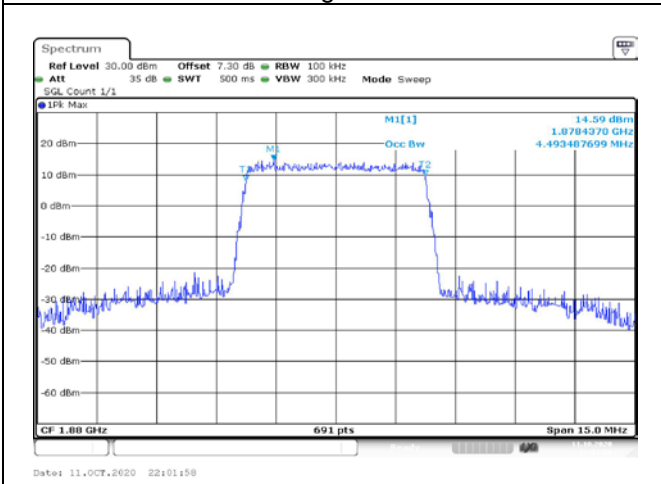


Fig.23

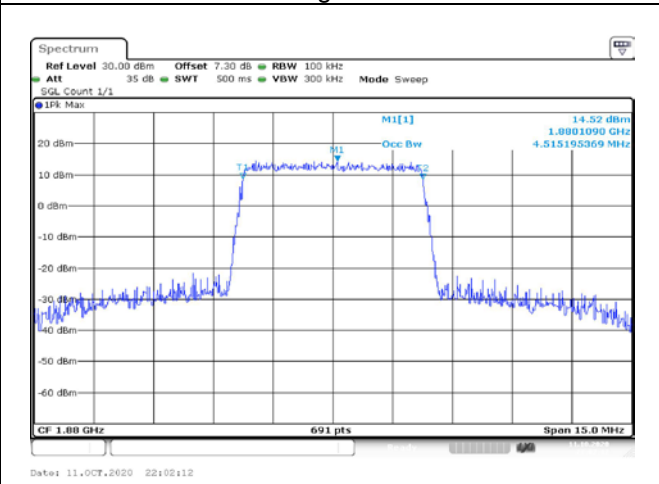
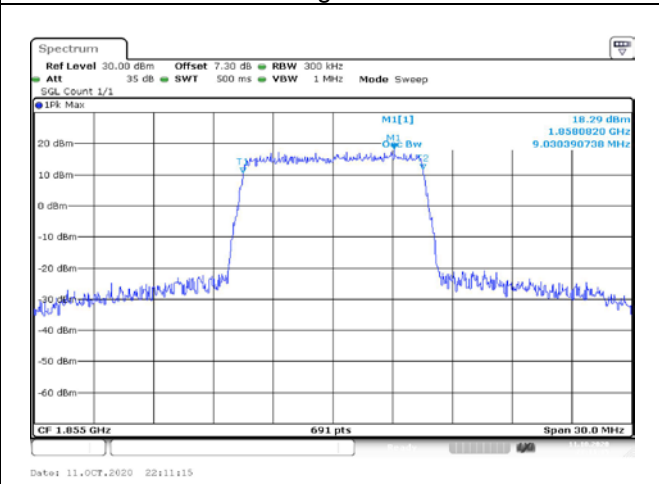
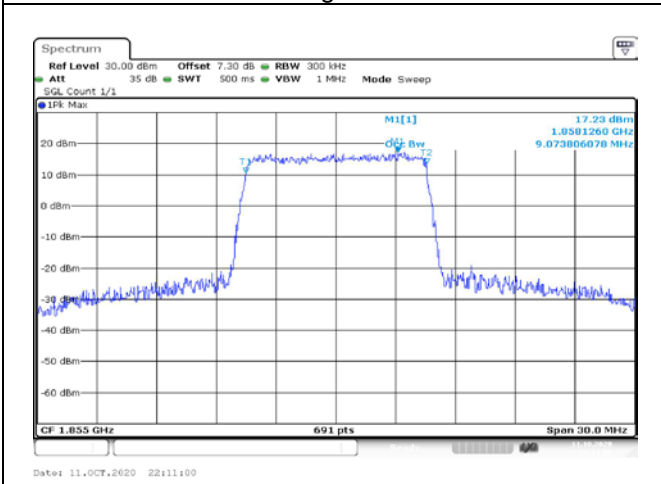
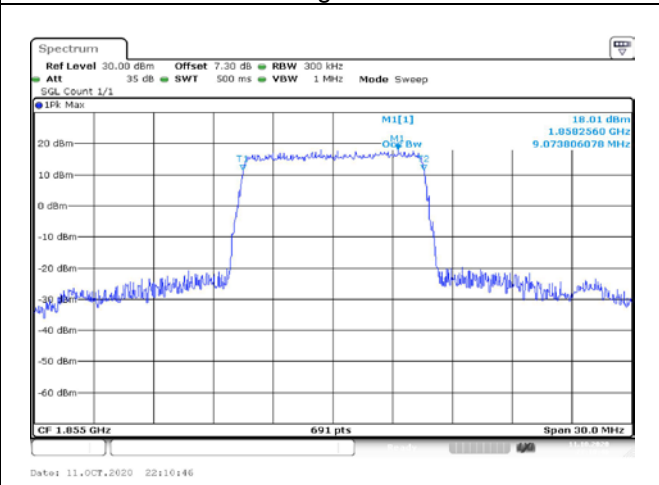
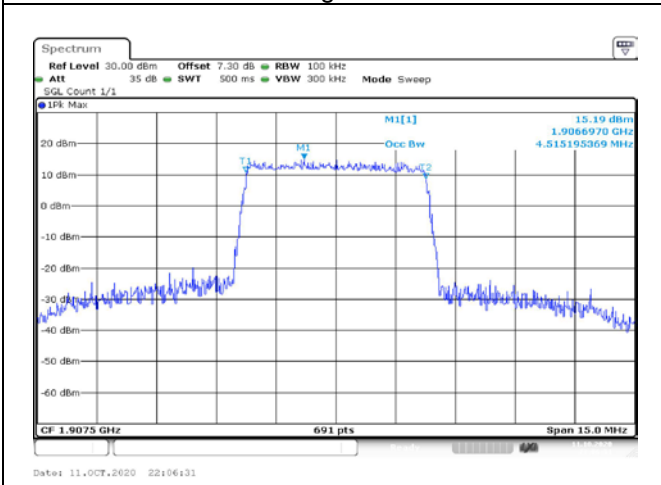
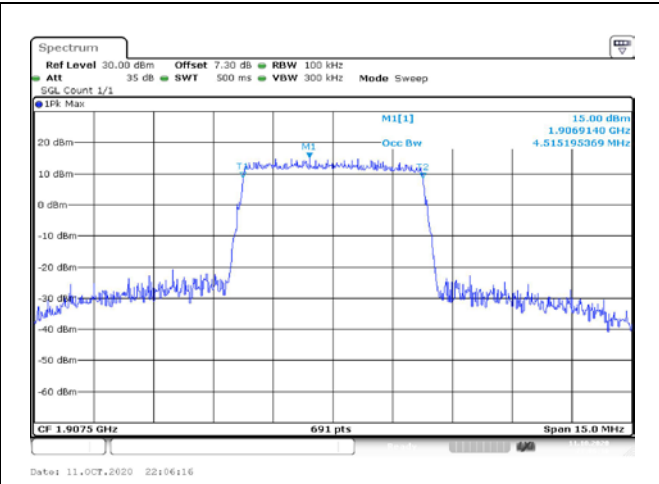
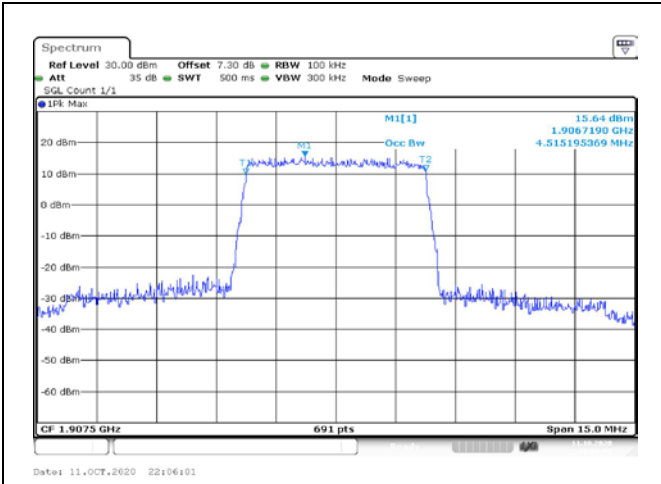


Fig.24



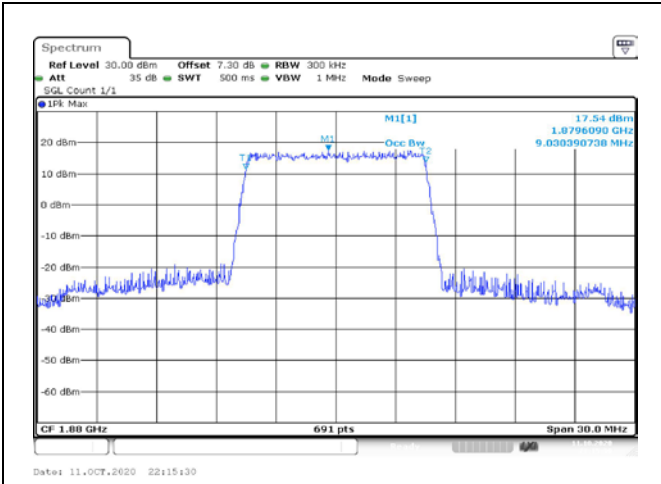


Fig.31

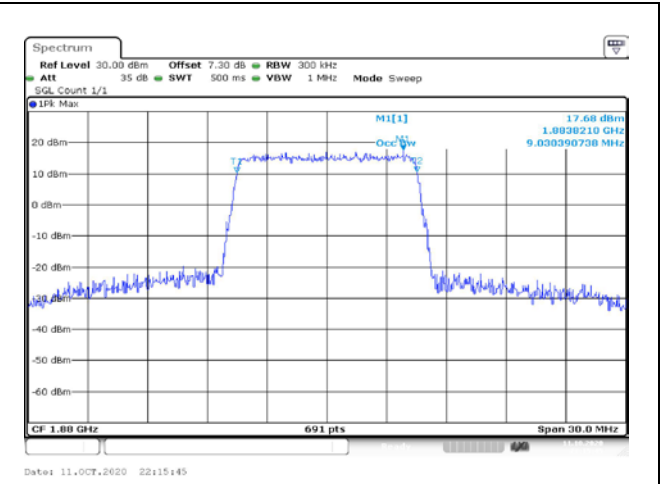


Fig.32

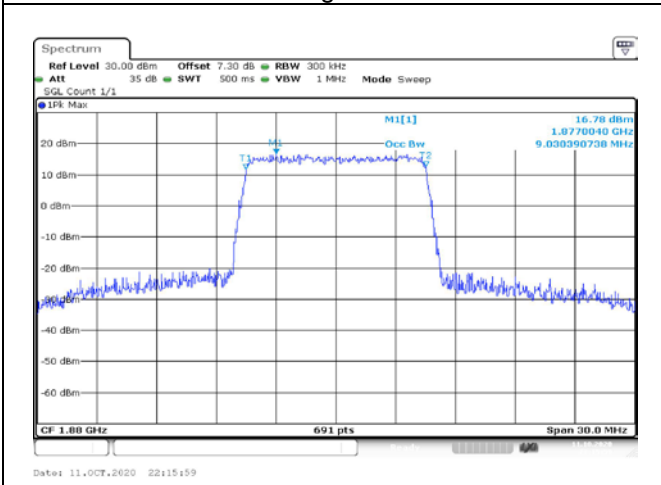


Fig.33

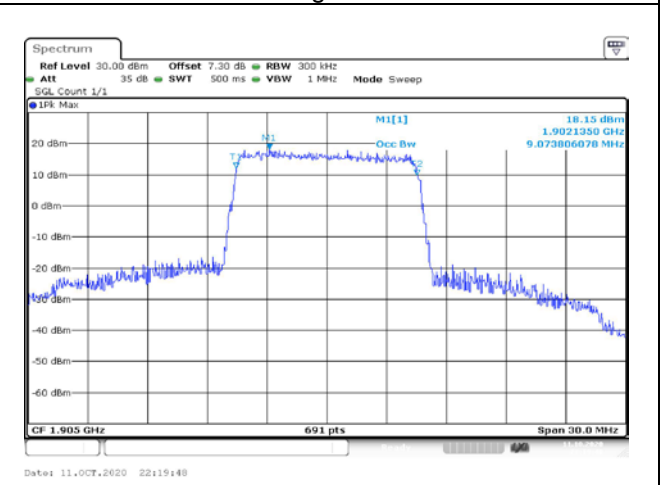


Fig.34

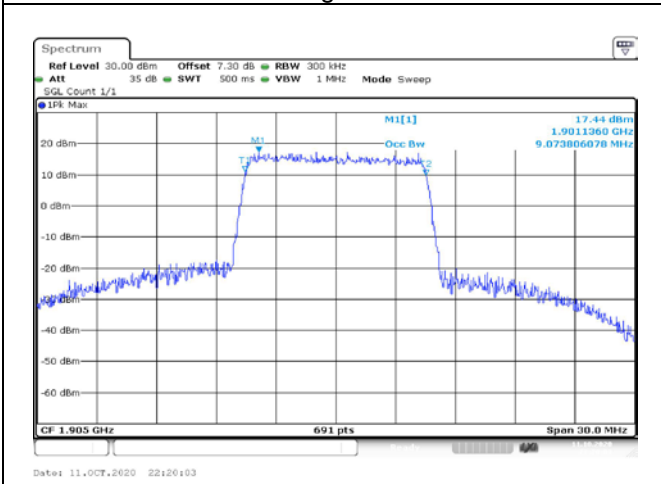


Fig.35

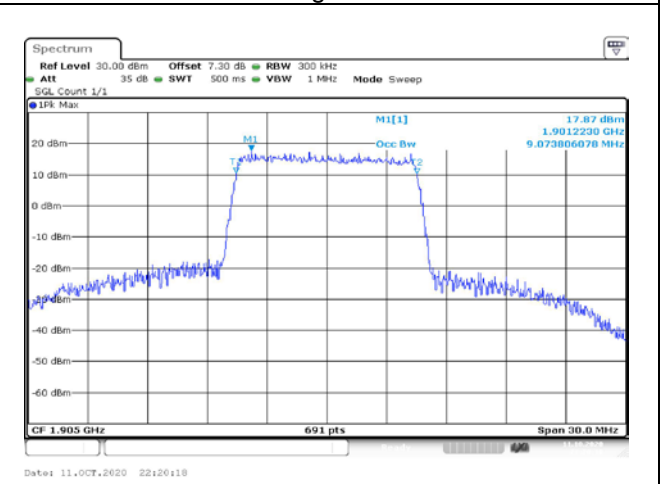


Fig.36

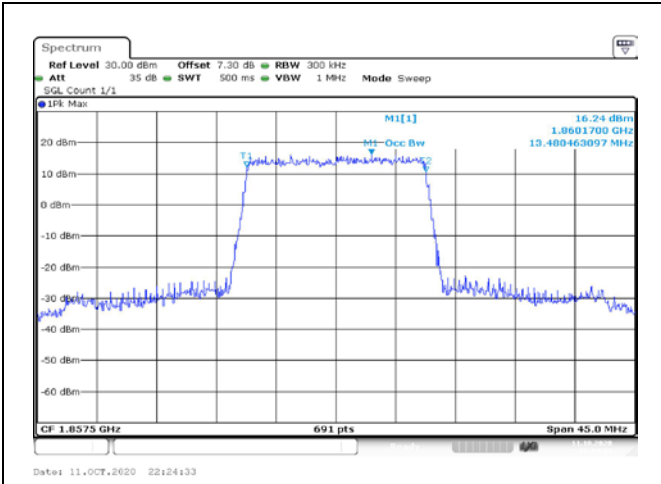


Fig.37

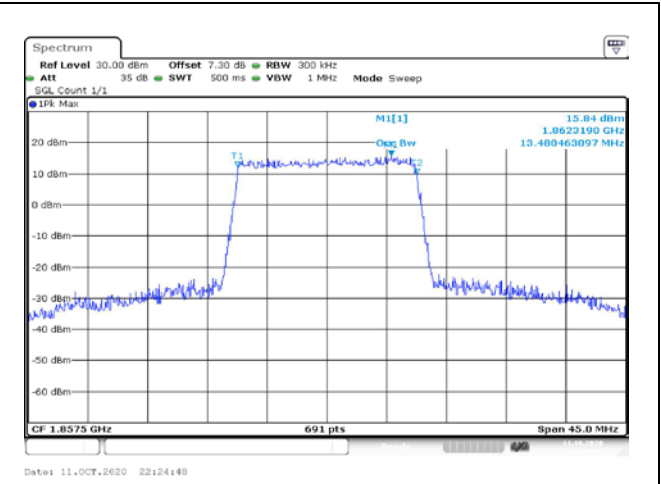


Fig.38

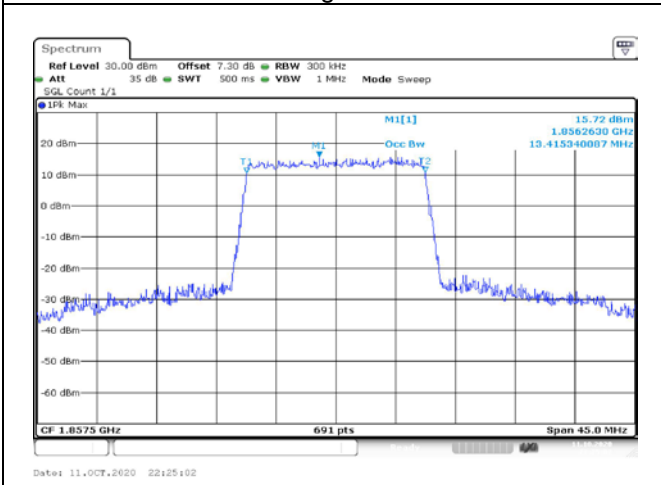


Fig.39

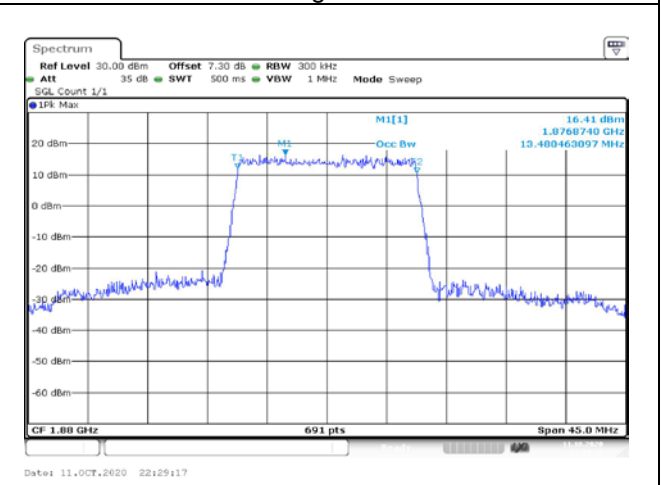


Fig.40

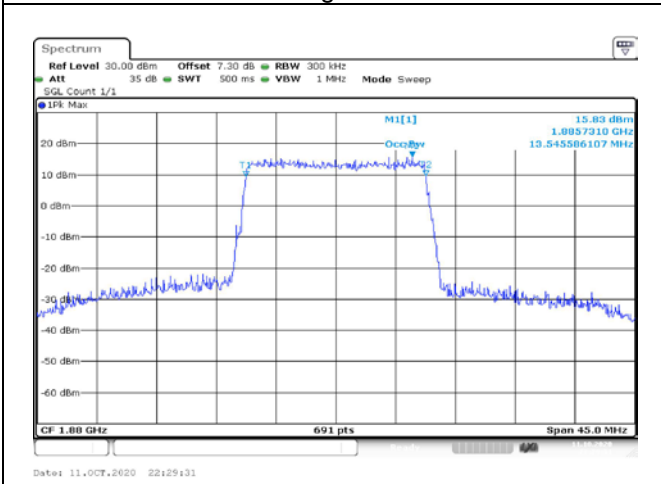


Fig.41

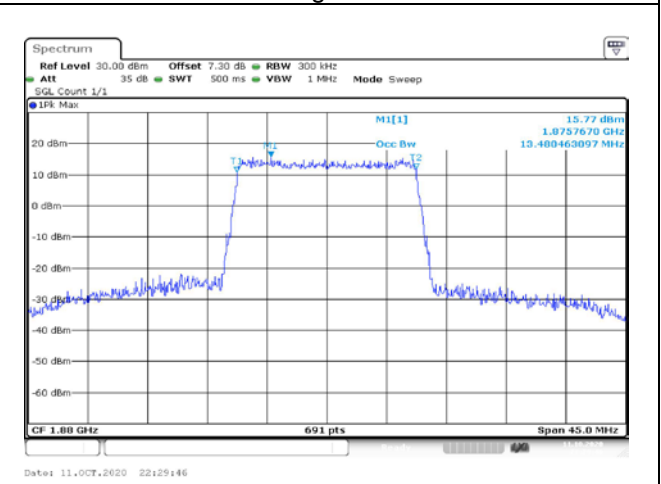
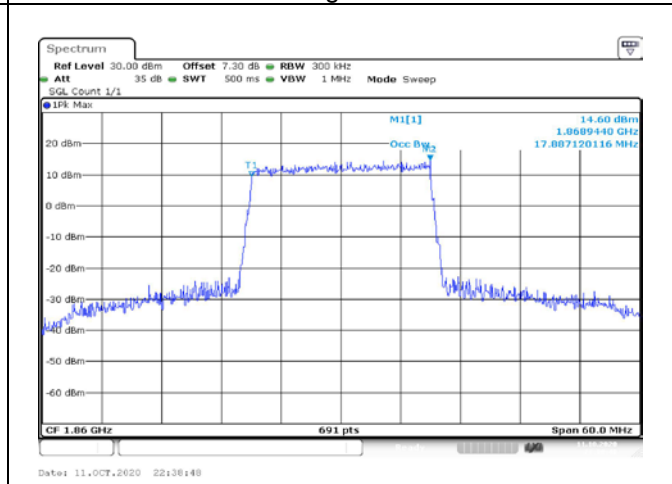
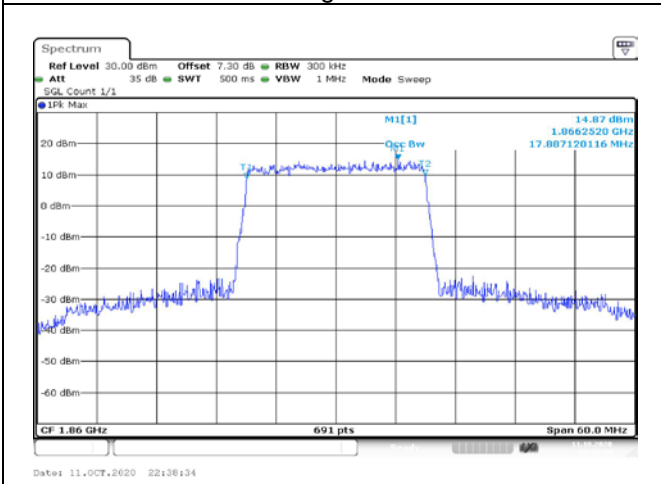
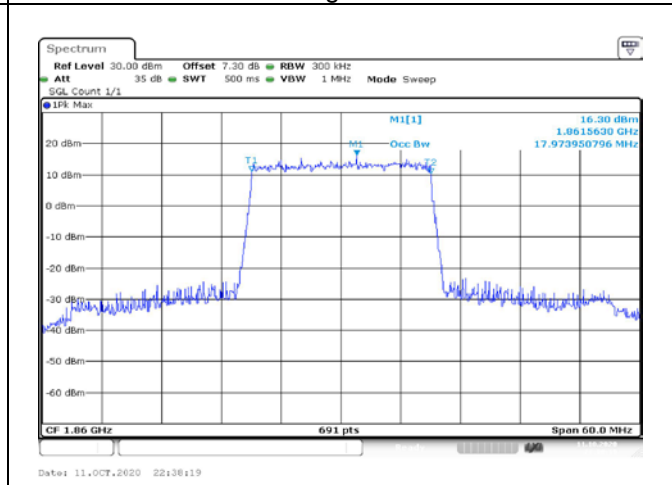
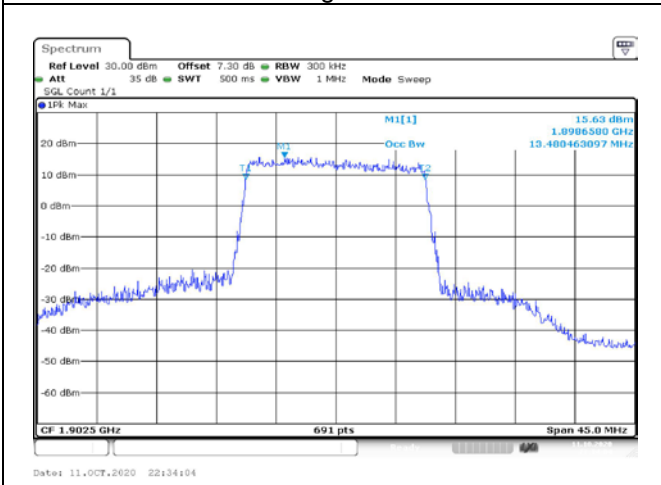
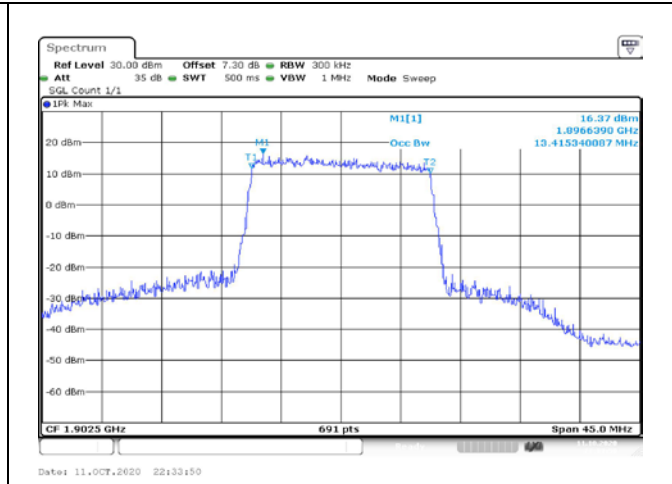
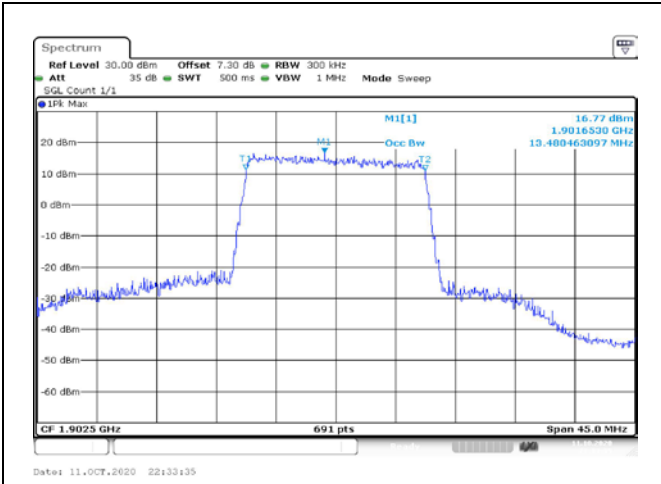


Fig.42



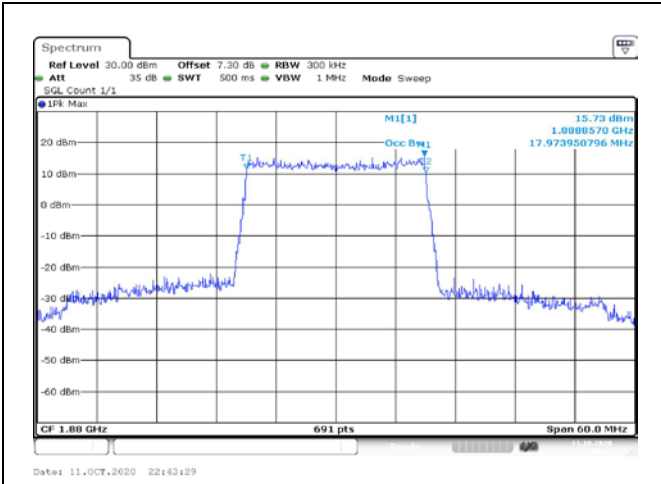


Fig.49

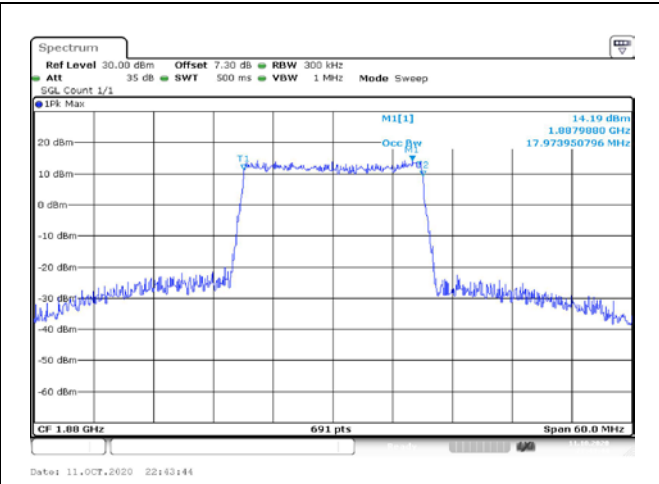


Fig.50

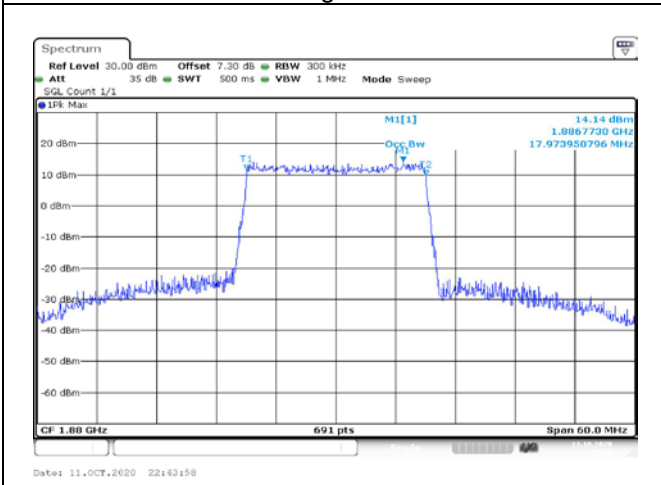


Fig.51

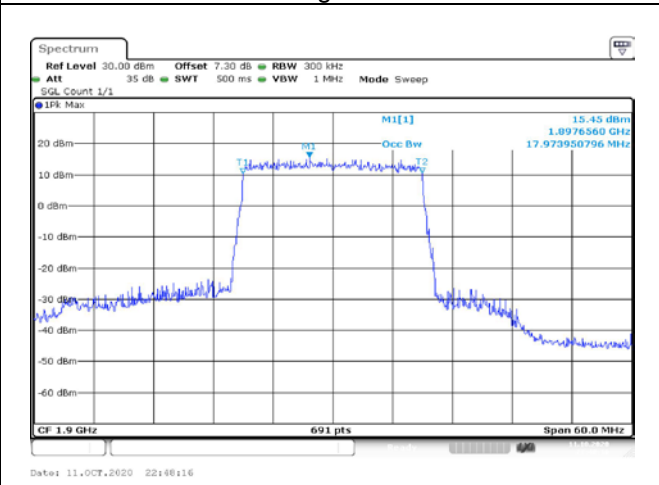


Fig.52

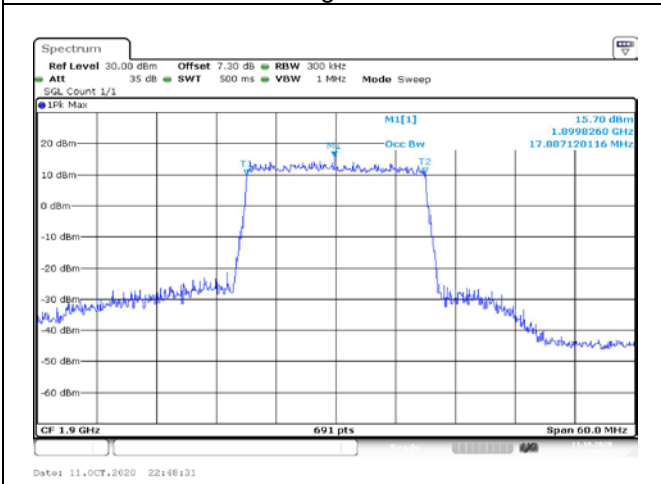


Fig.53

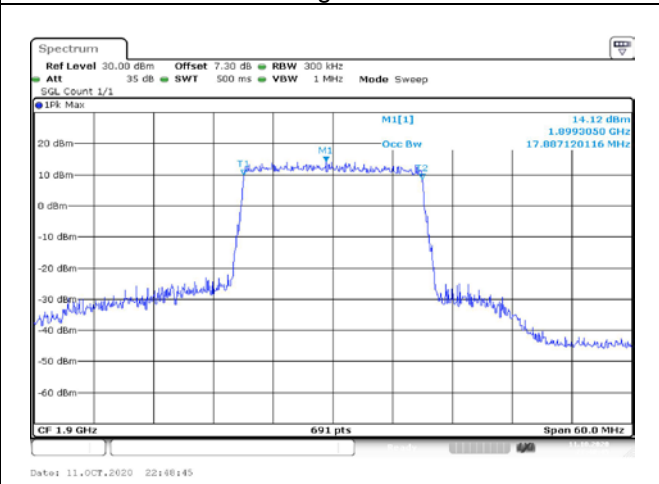


Fig.54

Emission Bandwidth
Test result

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	1.240	Fig.1	1.240	Fig.2	1.234	Fig.3
	1880	18900		6	0	1.228	Fig.4	1.240	Fig.5	1.234	Fig.6
	1909.3	19193		6	0	1.240	Fig.7	1.240	Fig.8	1.240	Fig.9
	1851.5	18615	3	15	0	3.061	Fig.10	3.061	Fig.11	3.074	Fig.12
	1880	18900		15	0	3.061	Fig.13	3.087	Fig.14	3.087	Fig.15
	1908.5	19185		15	0	3.087	Fig.16	3.048	Fig.17	3.113	Fig.18
	1852.5	18625	5	25	0	4.928	Fig.19	4.971	Fig.20	4.949	Fig.21
	1880	18900		25	0	4.928	Fig.22	4.949	Fig.23	4.949	Fig.24
	1907.5	19175		25	0	4.928	Fig.25	4.971	Fig.26	4.928	Fig.27
	1855	18650	10	50	0	9.899	Fig.28	10.029	Fig.29	9.986	Fig.30
	1880	18900		50	0	9.986	Fig.31	9.899	Fig.32	9.899	Fig.33
	1905	19150		50	0	10.029	Fig.34	10.072	Fig.35	10.029	Fig.36
	1857.5	18675	15	75	0	14.848	Fig.37	14.913	Fig.38	14.848	Fig.39
	1880	18900		75	0	14.783	Fig.40	14.848	Fig.41	14.848	Fig.42
	1902.5	19125		75	0	14.848	Fig.43	14.783	Fig.44	14.718	Fig.45
	1860	18700	20	100	0	19.190	Fig.46	19.537	Fig.47	19.450	Fig.48
	1880	18900		100	0	19.537	Fig.49	19.624	Fig.50	19.624	Fig.51
	1900	19100		100	0	19.450	Fig.52	19.276	Fig.53	19.450	Fig.54

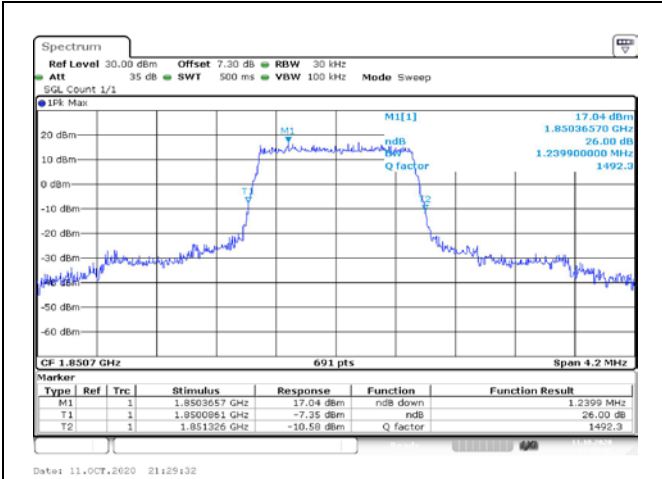


Fig.1

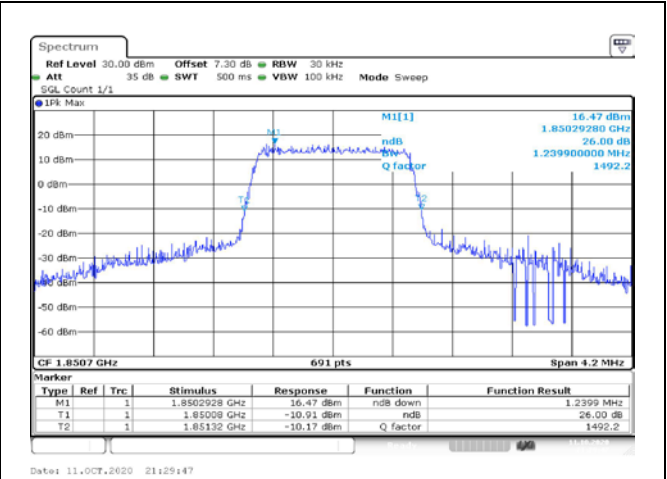


Fig.2

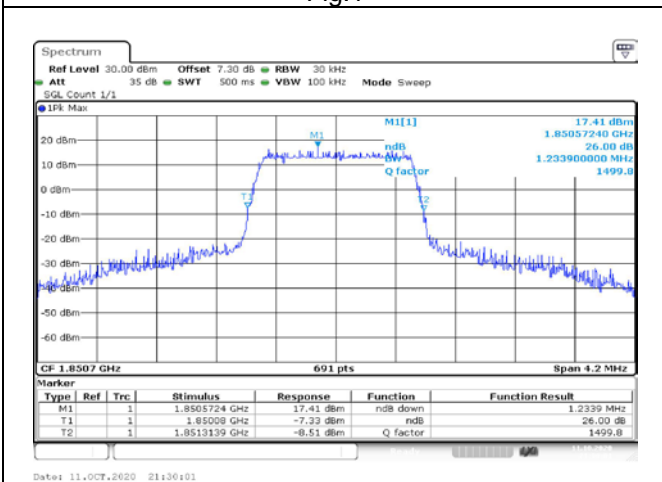


Fig.3

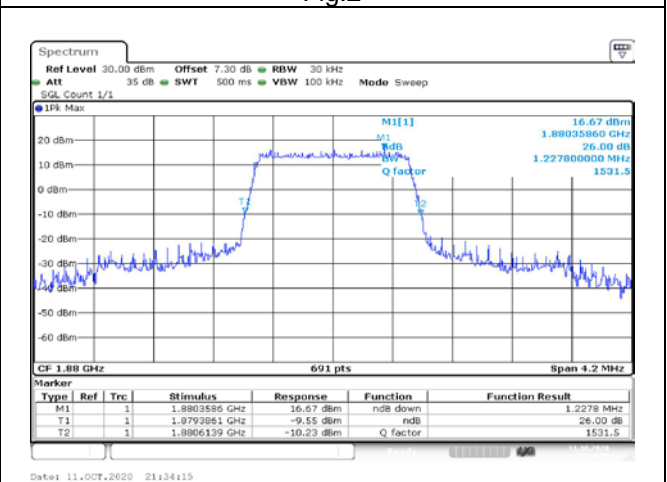


Fig.4

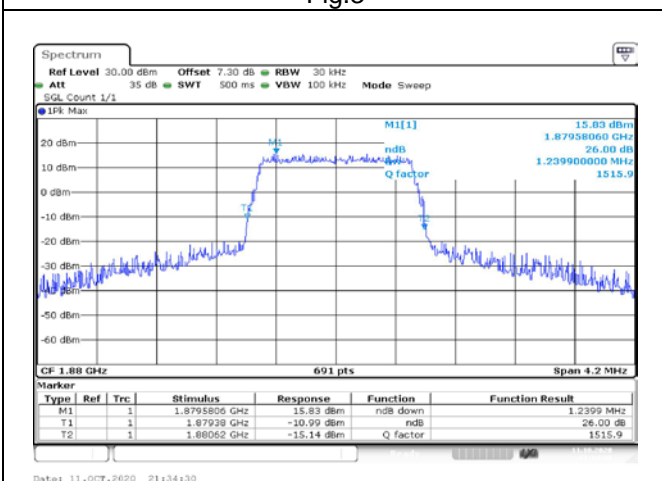


Fig.5

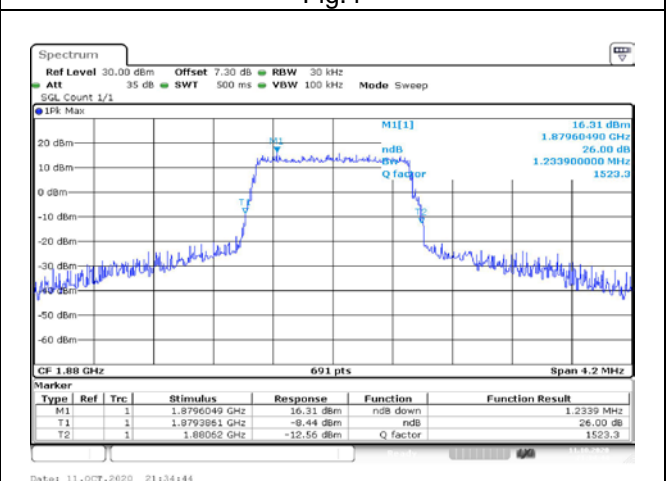


Fig.6

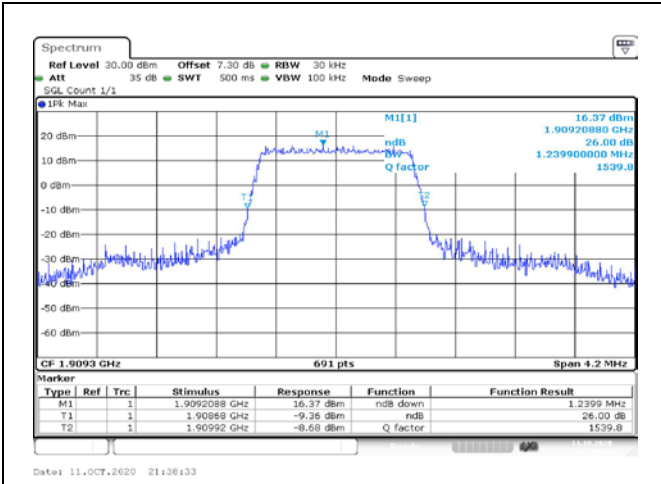


Fig.7

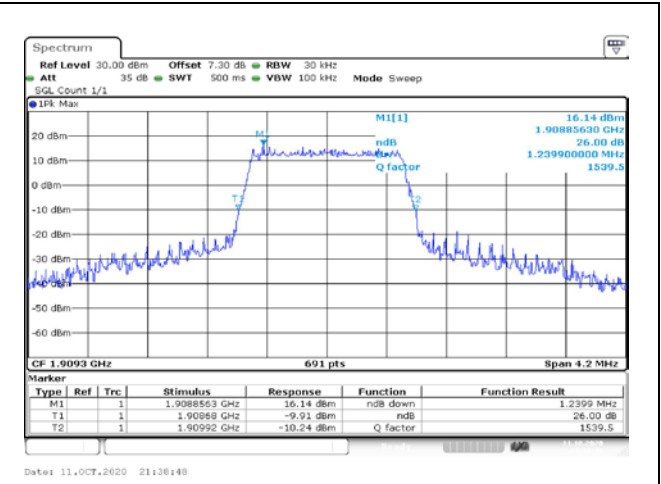


Fig.8

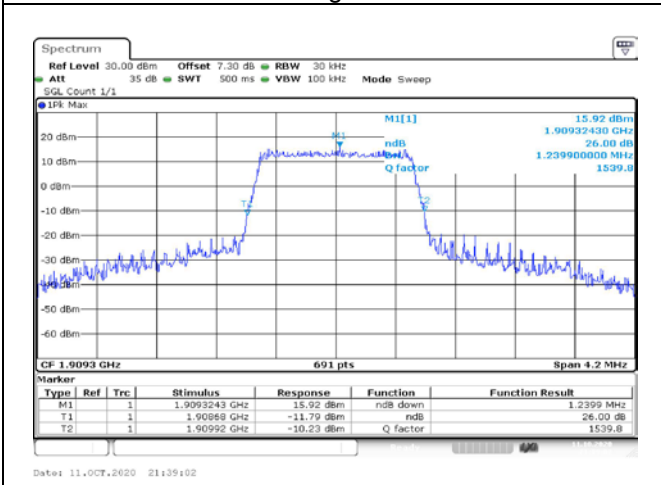


Fig.9

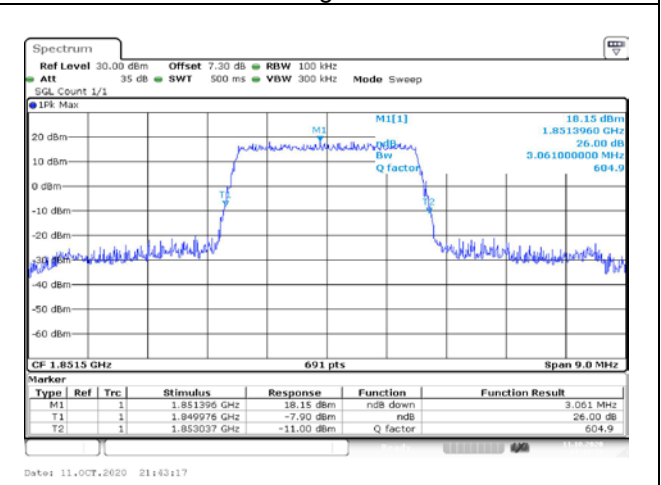


Fig.10

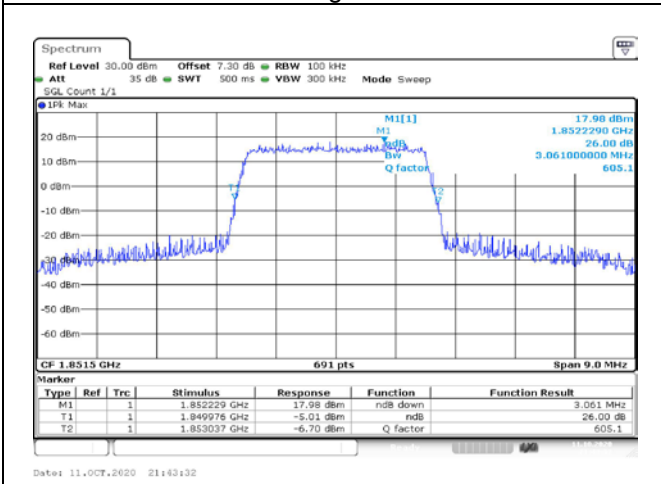


Fig.11

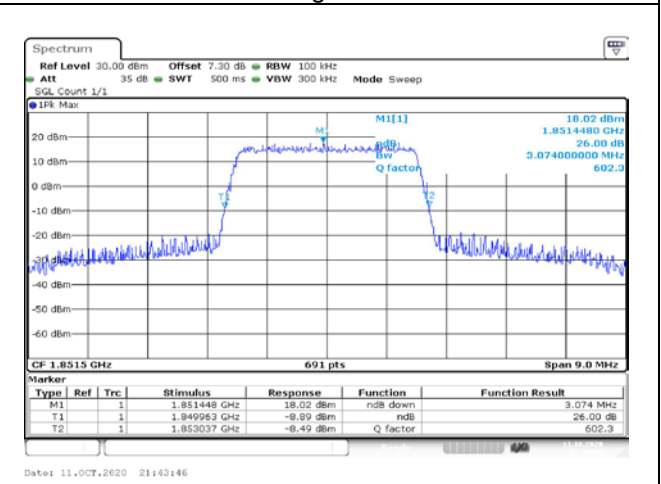


Fig.12

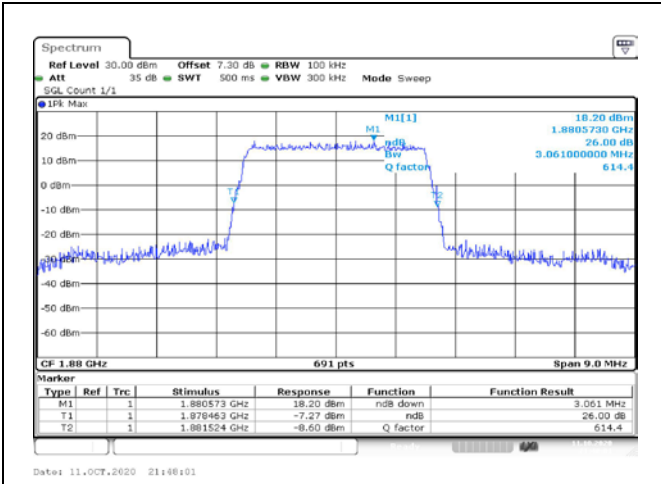


Fig.13

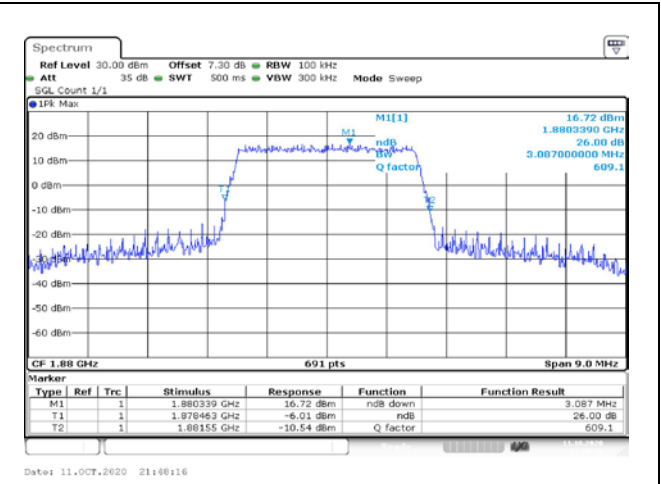


Fig.14

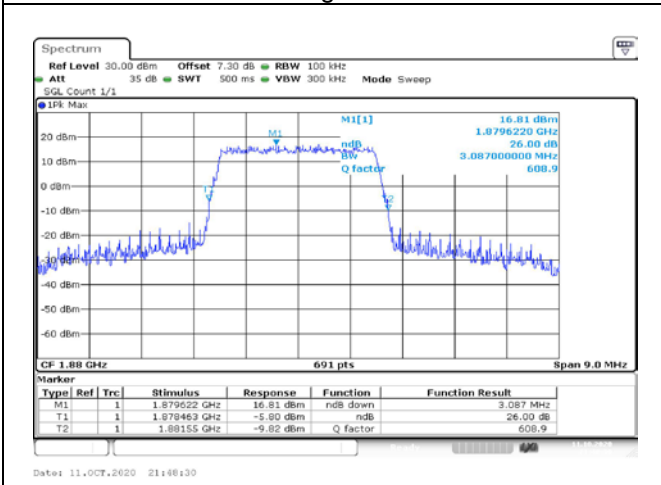


Fig.15

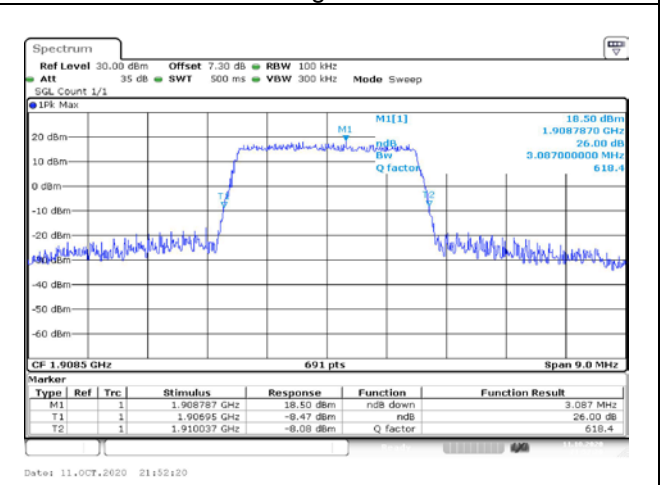


Fig.16

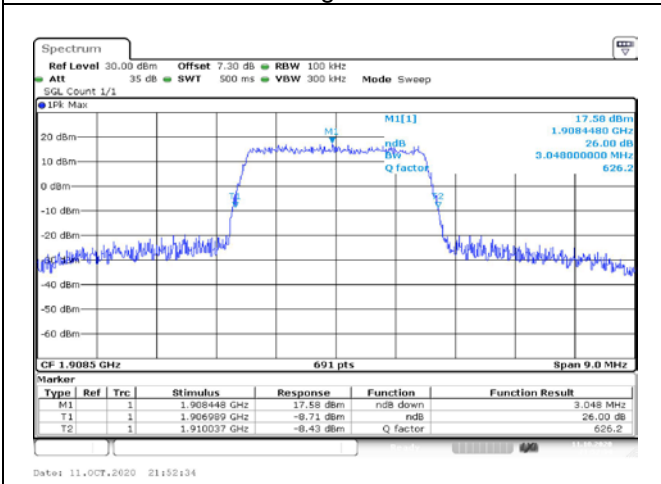


Fig.17

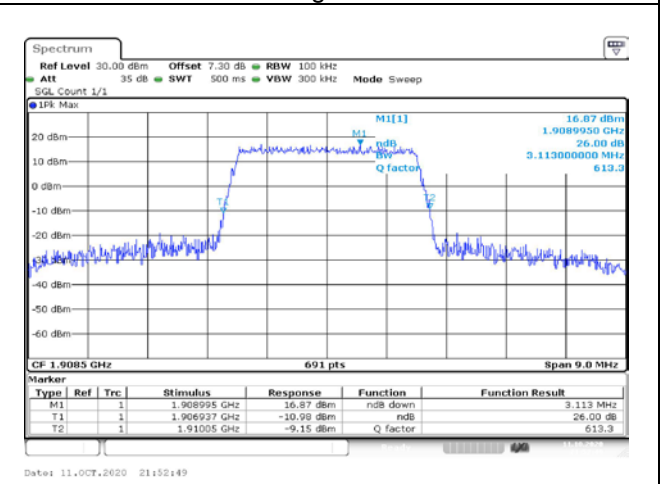


Fig.18

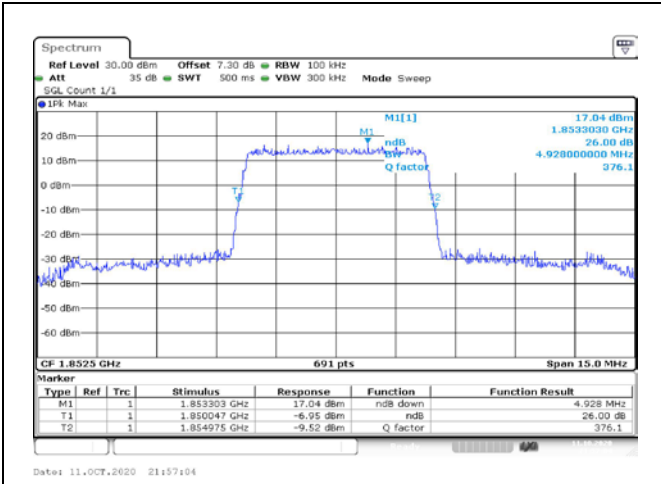


Fig.19

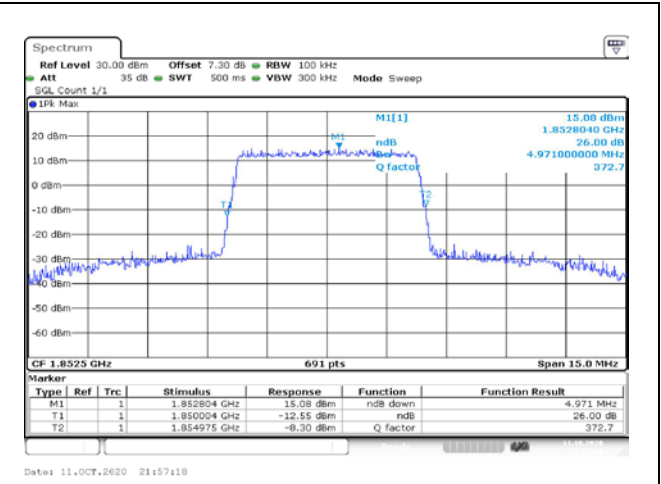


Fig.20

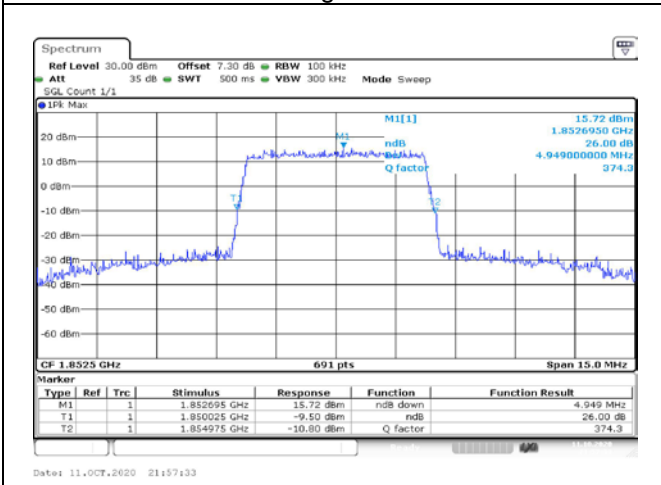


Fig.21

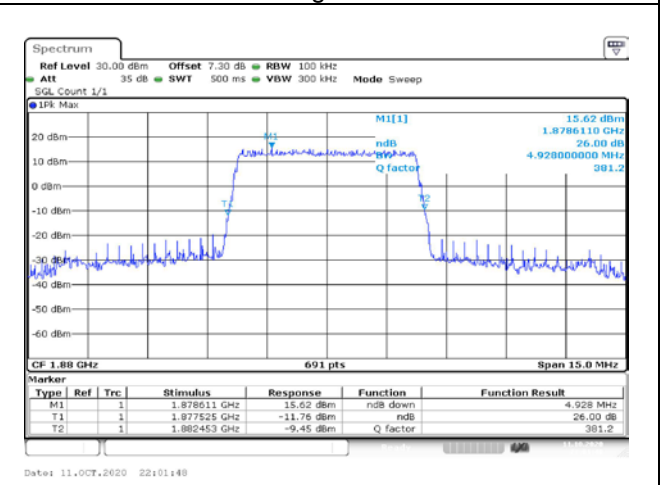


Fig.22

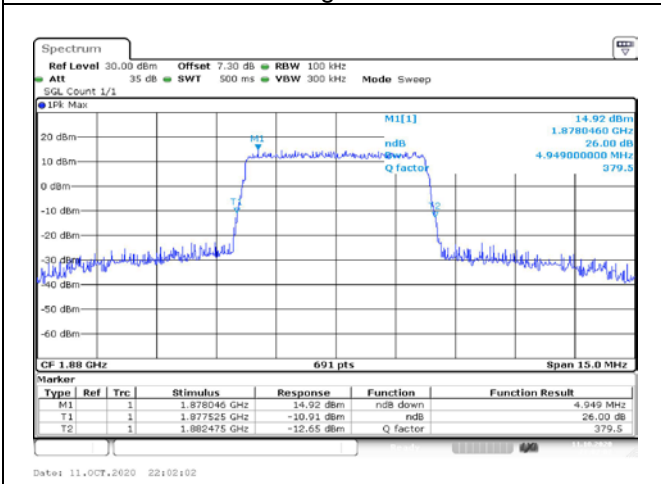


Fig.23

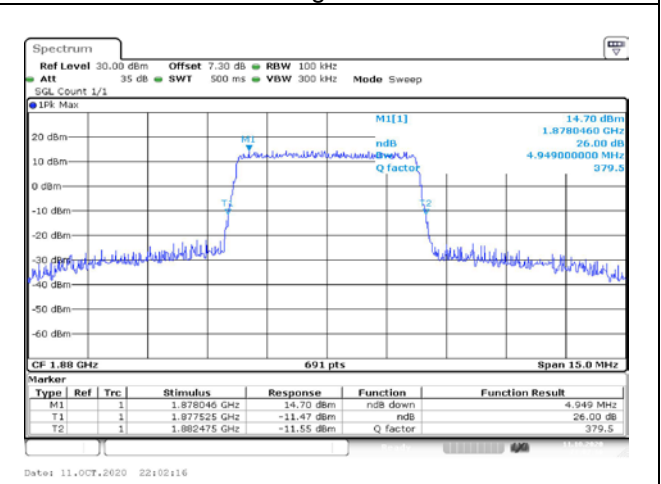


Fig.24

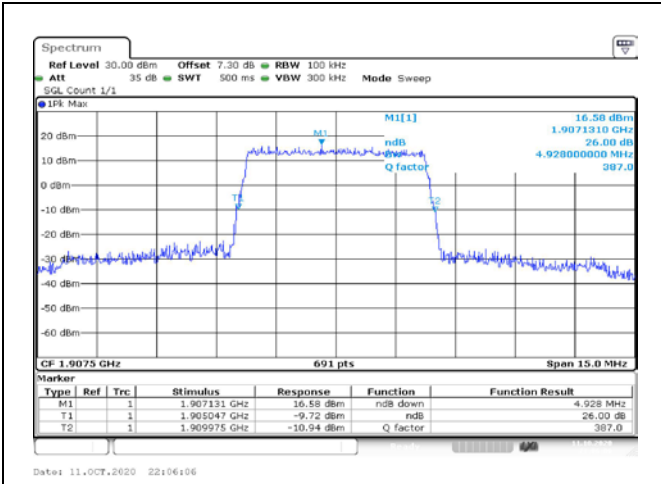


Fig.25

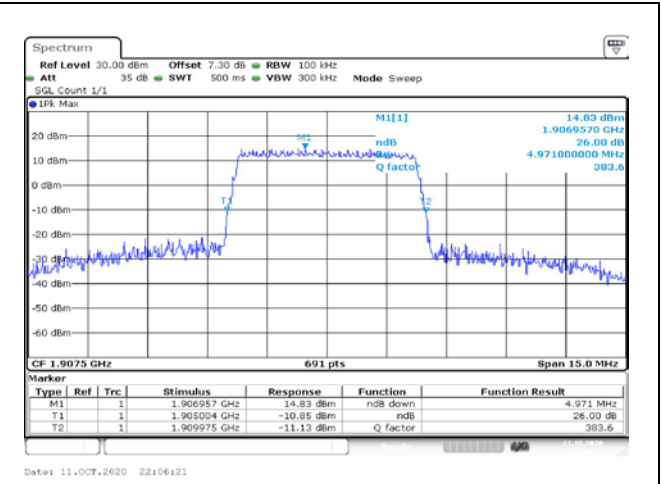


Fig.26

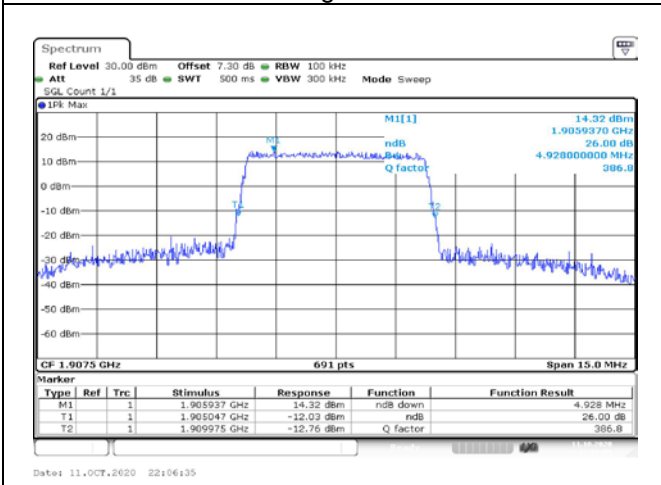


Fig.27

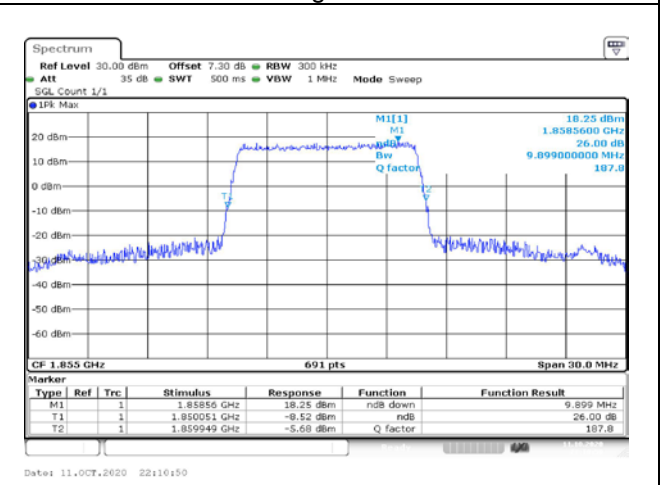


Fig.28

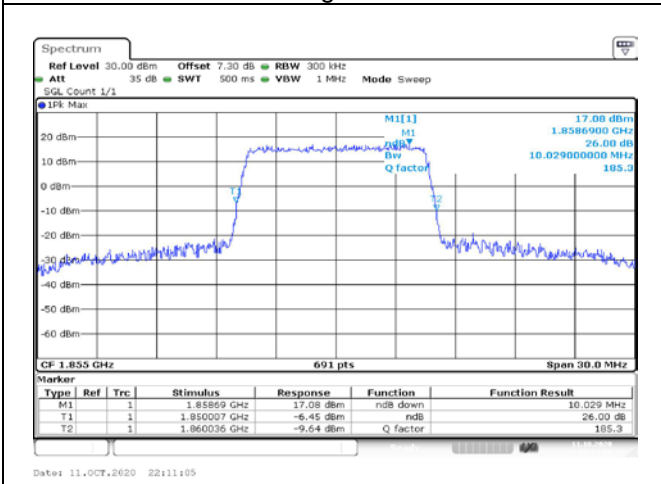


Fig.29

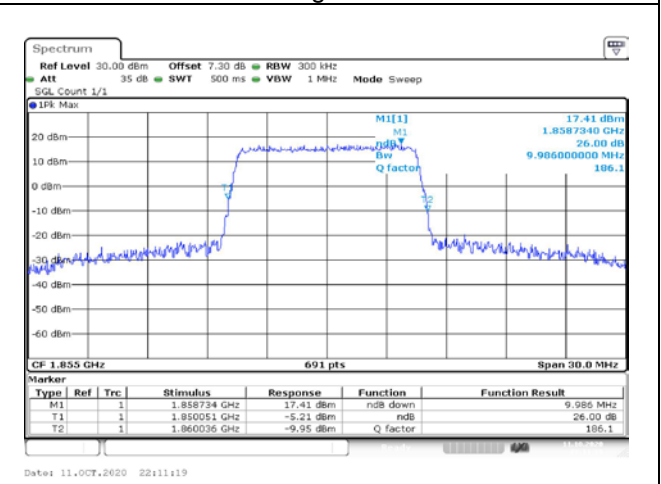


Fig.30