

**APPENDIX A – TEST DATA OF CONDUCTED EMISSION**

**LTE Band 7**

**1 RF Power Output**

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	2502.5	20775	5	1	0	23.96	
				1	12	24.00	
				1	24	24.00	
				12	0	22.92	
				12	7	23.02	
				12	13	23.00	
				25	0	22.92	
	2535	21100		1	0	24.14	
				1	12	24.05	
				1	24	24.20	
				12	0	23.03	
				12	7	23.17	
				12	13	23.17	
				25	0	23.20	
	2567.5	21425		1	0	24.04	
				1	12	23.94	
				1	24	24.03	
				12	0	23.19	
				12	7	23.09	
				12	13	23.09	
				25	0	23.13	
	16QAM	2502.5		20775	1	0	22.62
					1	12	22.64
					1	24	22.73
12			0		22.13		
12			7		22.06		
12			13		22.09		
25			0		22.27		
2535		21100	1	0	23.22		
			1	12	22.89		
			1	24	22.89		
			12	0	22.04		
			12	7	22.13		
			12	13	22.03		
			25	0	22.24		
2567.5		21425	1	0	22.77		
			1	12	22.75		
			1	24	22.75		
			12	0	22.17		
			12	7	22.10		
			12	13	22.07		
			25	0	22.05		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2502.5	20775	5	1	0	22.22
				1	12	22.34
				1	24	22.24
				12	0	21.23
				12	7	21.22
				12	13	21.32
				25	0	21.21
	2535	21100		1	0	22.23
				1	12	22.27
				1	24	22.20
				12	0	21.23
				12	7	21.22
				12	13	21.31
				25	0	21.22
	2567.5	21425		1	0	22.04
				1	12	22.06
				1	24	22.14
				12	0	21.15
				12	7	21.10
				12	13	21.04
				25	0	21.07

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2505	20800	10	1	0	23.95
				1	25	23.86
				1	49	23.85
				25	0	23.05
				25	12	23.06
				25	25	23.06
	2535	21100		50	0	23.06
				1	0	24.09
				1	25	24.17
				1	49	24.15
				25	0	23.23
				25	12	23.05
	2565	21400		25	25	23.13
				50	0	23.05
				1	0	24.23
				1	25	24.21
				1	49	24.21
				25	0	23.19
16QAM	2505	20800	25	12	23.20	
			25	25	23.19	
			50	0	23.19	
			1	0	23.41	
			1	25	23.44	
			1	49	23.36	
	2535	21100	25	0	22.10	
			25	12	22.05	
			25	25	22.05	
			50	0	22.09	
			1	0	22.94	
			1	25	23.01	
	2565	21400	1	49	22.94	
			25	0	22.25	
			25	12	22.30	
			25	25	22.30	
			50	0	22.33	
			1	0	22.75	
			1	25	22.68	
			1	49	22.72	
			25	0	22.34	
			25	12	22.34	
			25	25	22.34	
			50	0	22.27	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2505	20800	10	1	0	22.09
				1	25	22.09
				1	49	22.09
				25	0	21.33
				25	12	21.31
				25	25	21.28
				50	0	21.22
	2535	21100		1	0	22.33
				1	25	22.33
				1	49	22.33
				25	0	21.39
				25	12	21.35
				25	25	21.37
				50	0	21.31
	2565	21400		1	0	22.27
				1	25	22.28
				1	49	22.27
				25	0	21.36
				25	12	21.31
				25	25	21.29
				50	0	21.28

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2507.5	20825	15	1	0	23.87
				1	37	23.60
				1	74	23.98
				36	0	23.06
				36	29	22.98
				36	30	22.78
				75	0	23.08
	2535	21100		1	0	24.13
				1	37	24.19
				1	74	24.18
				36	0	23.04
				36	29	23.12
				36	30	23.12
				75	0	23.06
	2562.5	21375		1	0	24.24
				1	37	24.04
				1	74	24.02
				36	0	23.18
				36	29	23.04
				36	30	23.11
				75	0	23.08
16QAM	2507.5	20825	1	0	23.36	
			1	37	23.30	
			1	74	23.31	
			36	0	21.84	
			36	29	21.91	
			36	30	22.15	
			75	0	22.12	
	2535	21100	1	0	23.15	
			1	37	23.07	
			1	74	22.97	
			36	0	22.35	
			36	29	22.36	
			36	30	22.14	
			75	0	22.24	
	2562.5	21375	1	0	23.00	
			1	37	23.31	
			1	74	23.37	
			36	0	22.34	
			36	29	22.28	
			36	30	22.35	
			75	0	22.24	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2507.5	20825	15	1	0	22.21
				1	37	22.18
				1	74	22.11
				36	0	21.14
				36	29	21.12
				36	30	21.16
				75	0	21.10
	2535	21100		1	0	22.24
				1	37	22.25
				1	74	22.24
				36	0	21.26
				36	29	21.24
				36	30	21.61
				75	0	21.23
	2562.5	21375		1	0	22.23
				1	37	22.27
				1	74	22.18
				36	0	21.59
				36	29	21.53
				36	30	21.56
				75	0	21.61

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2510	20850	20	1	0	24.03
				1	49	24.02
				1	99	24.06
				50	0	23.05
				50	24	22.78
				50	50	22.96
	100	0		22.90		
	2535	21100		1	0	24.20
				1	49	24.28
				1	99	24.27
				50	0	23.03
				50	24	23.13
				50	50	23.13
	2560	21350		100	0	23.05
				1	0	24.16
				1	49	24.02
				1	99	24.16
				50	0	23.12
50			24	23.11		
16QAM	2510	20850	50	50	23.17	
			100	0	23.20	
			1	0	22.89	
			1	49	22.83	
			1	99	22.68	
			50	0	22.15	
	2535	21100	50	24	22.19	
			50	50	22.18	
			100	0	22.14	
			1	0	23.40	
			1	49	23.46	
			1	99	23.39	
	2560	21350	50	0	22.25	
			50	24	22.25	
			50	50	22.25	
			100	0	22.19	
			1	0	22.89	
			1	49	22.84	
1	99	22.66				
50	0	22.22				
50	24	22.19				
50	50	22.19				
100	0	22.33				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2510	20850	20	1	0	22.12
				1	49	22.11
				1	99	22.17
				50	0	21.10
				50	24	21.04
				50	50	21.02
				100	0	20.99
	2535	21100		1	0	22.19
				1	49	22.14
				1	99	22.12
				50	0	21.15
				50	24	21.12
				50	50	21.21
				100	0	21.19
	2560	21350		1	0	22.32
				1	49	22.35
				1	99	22.19
				50	0	21.34
				50	24	21.37
				50	50	21.32
				100	0	21.30

## 2 Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
7	2502.5	20775	5	25	0	4.472	Fig.1	4.472	Fig.2	4.472	Fig.3
	2535	21100		25	0	4.472	Fig.4	4.472	Fig.5	4.472	Fig.6
	2567.5	21425		25	0	4.472	Fig.7	4.493	Fig.8	4.472	Fig.9
	2505	20800	10	50	0	8.900	Fig.10	8.944	Fig.11	8.944	Fig.12
	2535	21100		50	0	8.944	Fig.13	8.944	Fig.14	8.944	Fig.15
	2565	21400		50	0	8.944	Fig.16	8.944	Fig.17	8.987	Fig.18
	2507.5	20825	15	75	0	13.415	Fig.19	13.415	Fig.20	13.415	Fig.21
	2535	21100		75	0	13.415	Fig.22	13.415	Fig.23	13.415	Fig.24
	2562.5	21375		75	0	13.415	Fig.25	13.415	Fig.26	13.415	Fig.27
	2510	20850	20	100	0	17.887	Fig.28	17.887	Fig.29	17.887	Fig.30
	2535	21100		100	0	17.887	Fig.31	17.887	Fig.32	17.887	Fig.33
	2560	21350		100	0	17.887	Fig.34	17.974	Fig.35	17.974	Fig.36

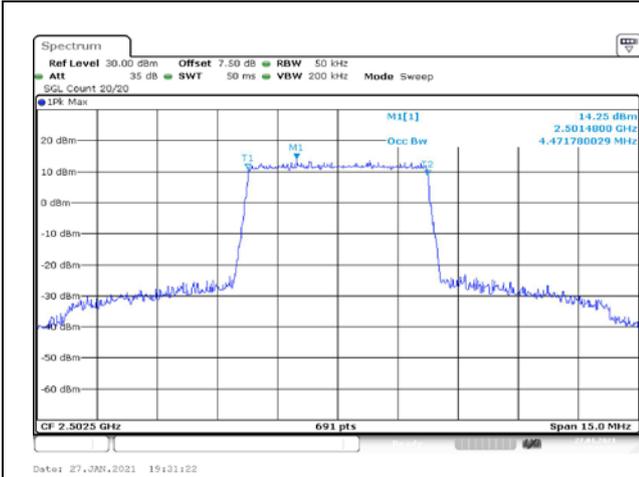


Fig.1

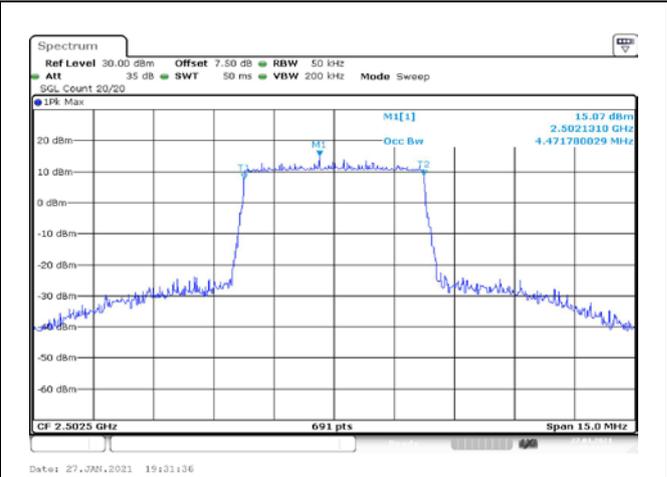


Fig.2

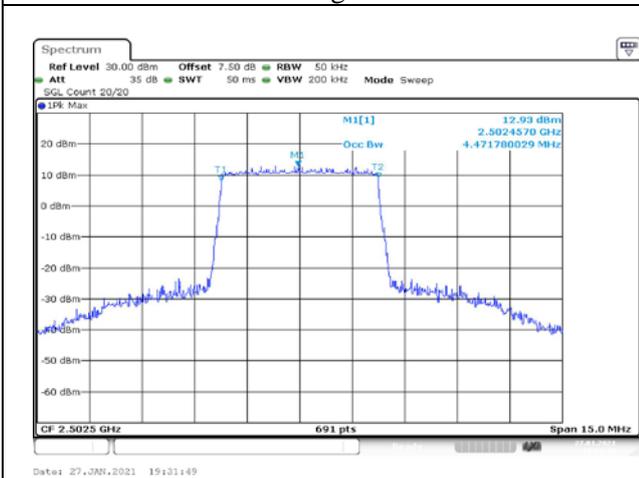


Fig.3

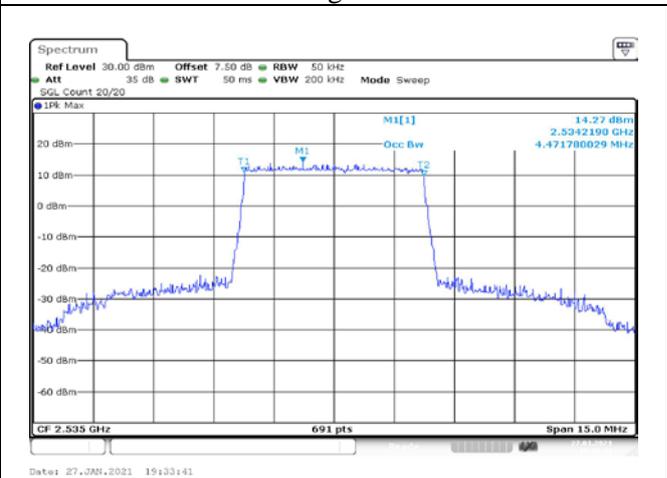


Fig.4

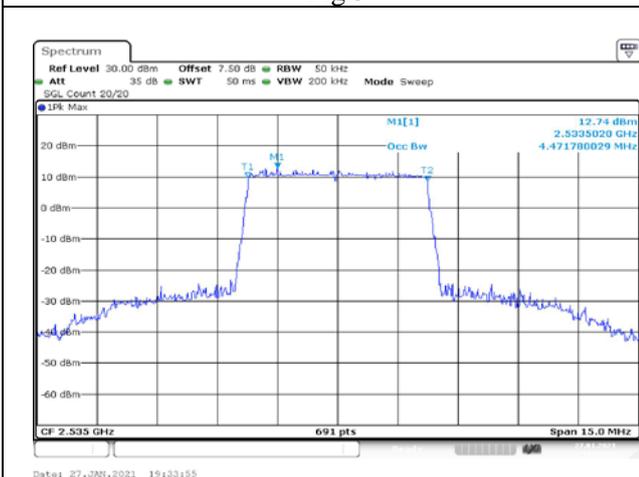


Fig.5

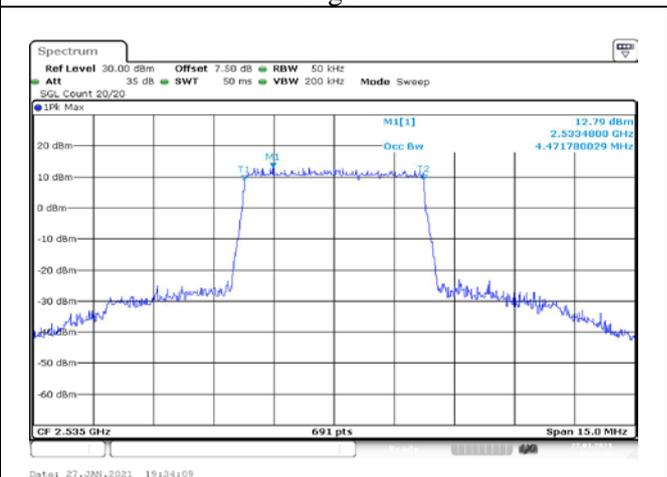


Fig.6

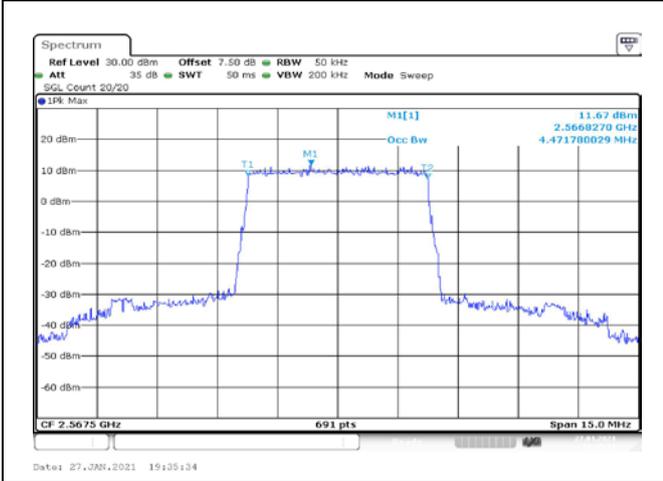


Fig.7

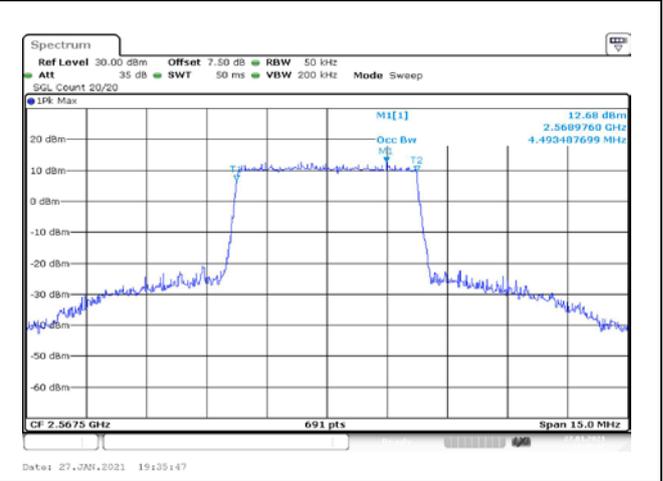


Fig.8

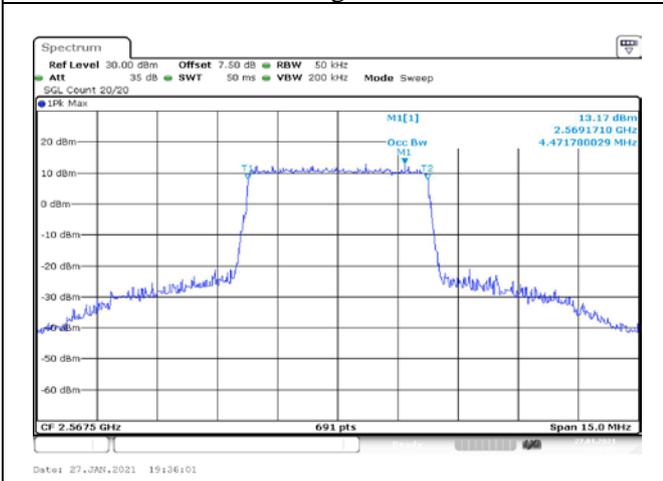


Fig.9

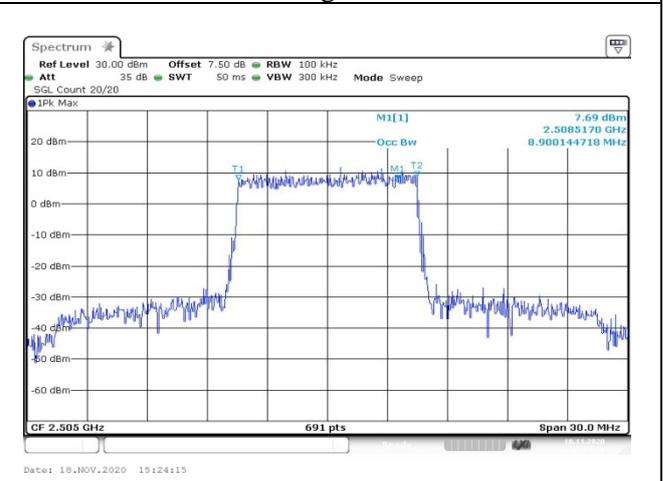


Fig.10

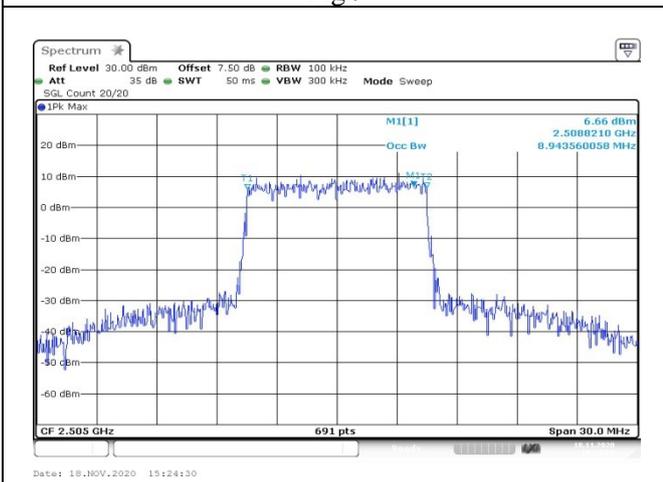


Fig.11

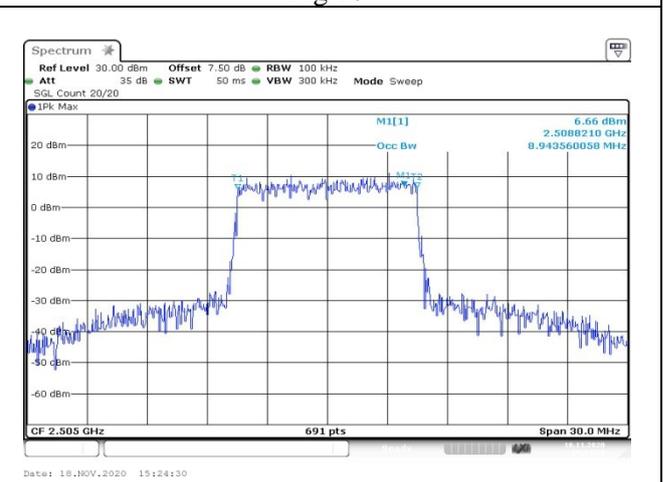
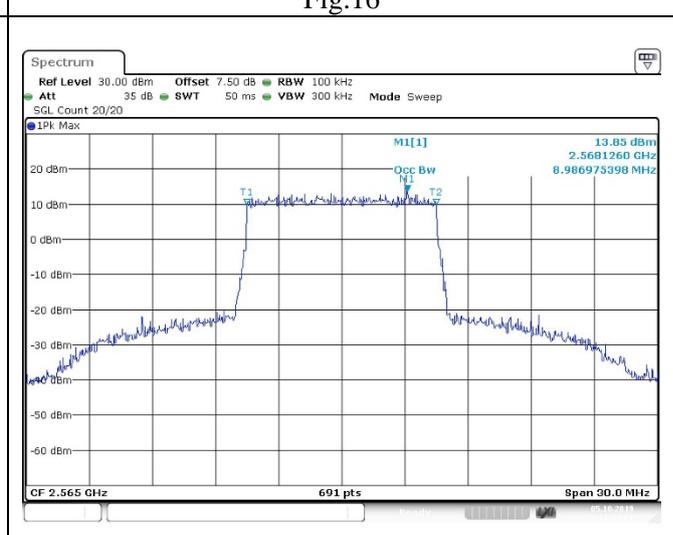
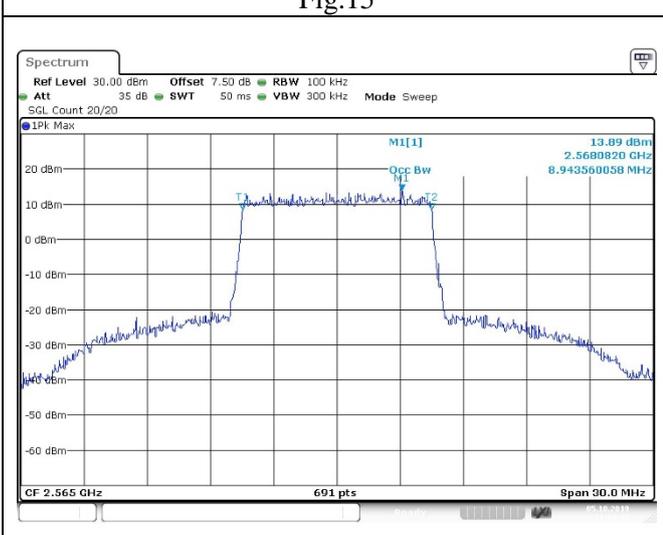
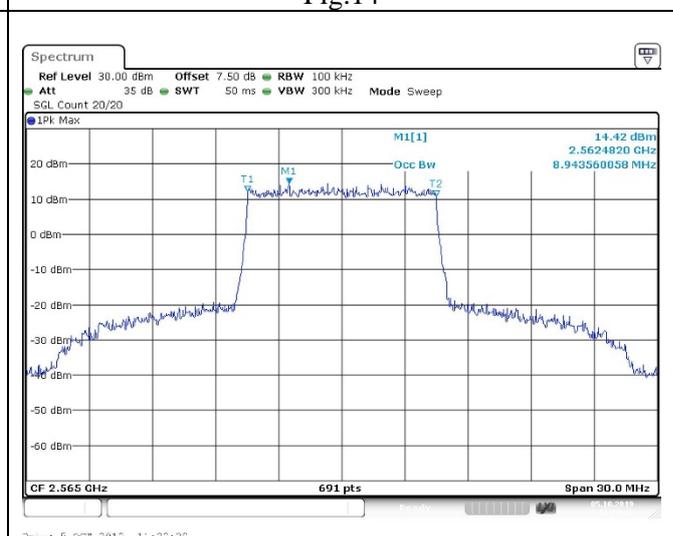
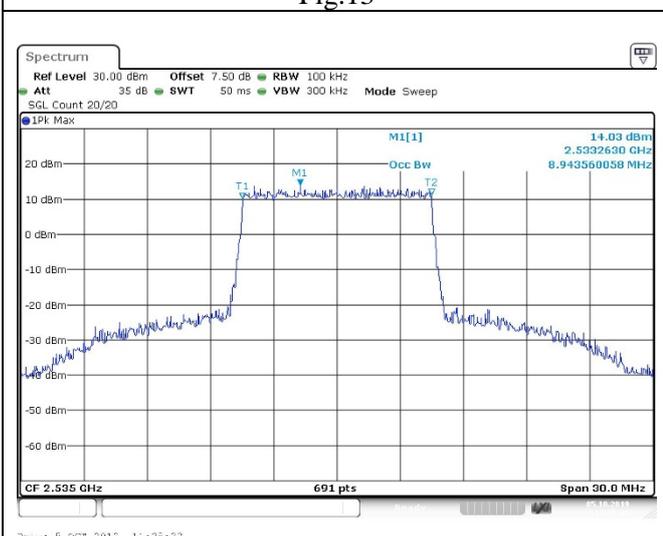
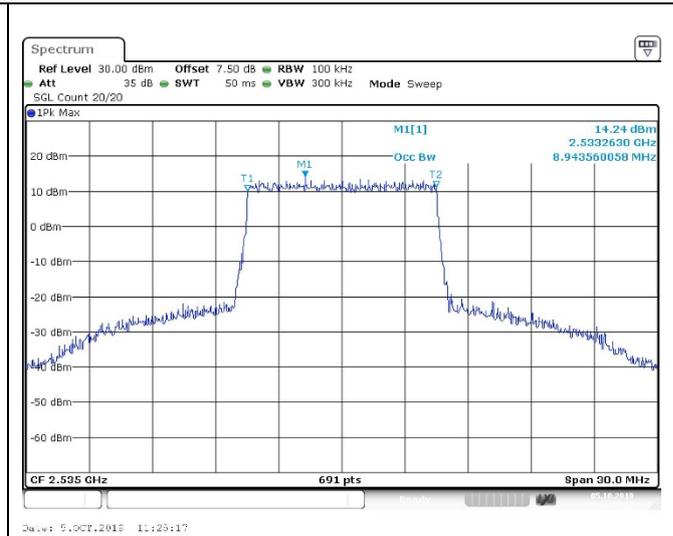
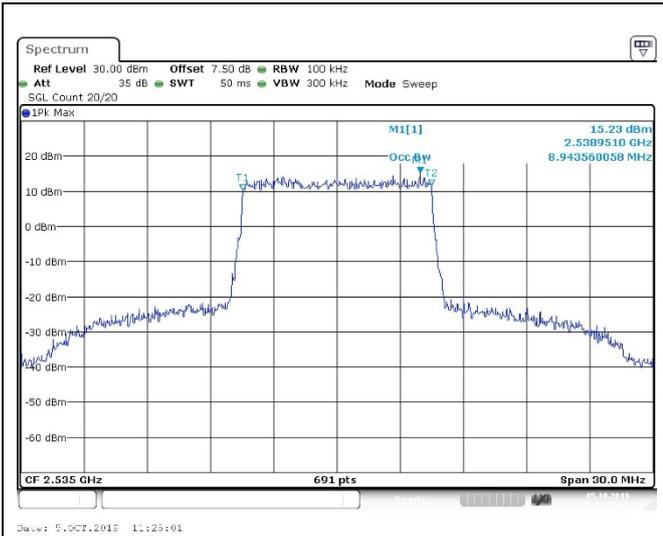


Fig.12



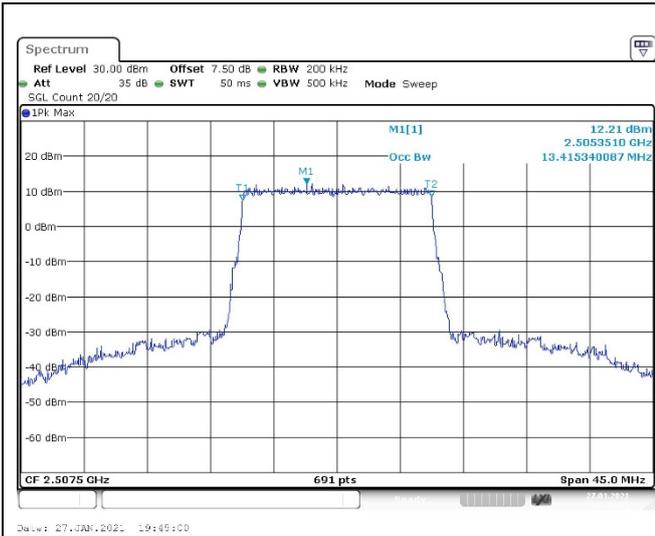


Fig.19

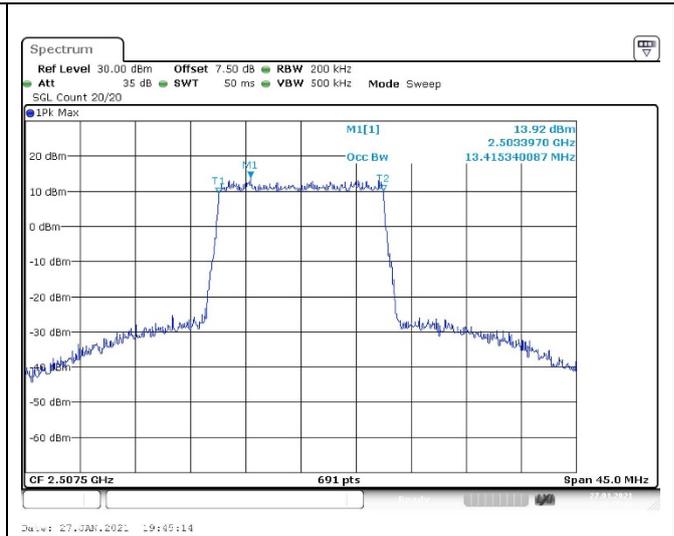


Fig.20

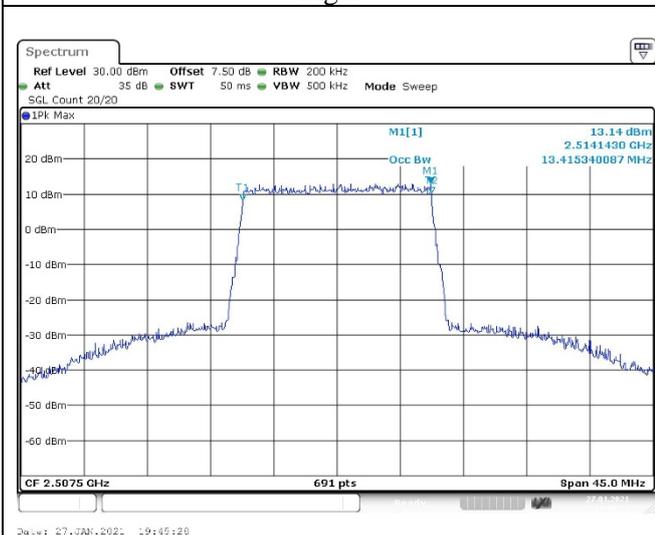


Fig.21

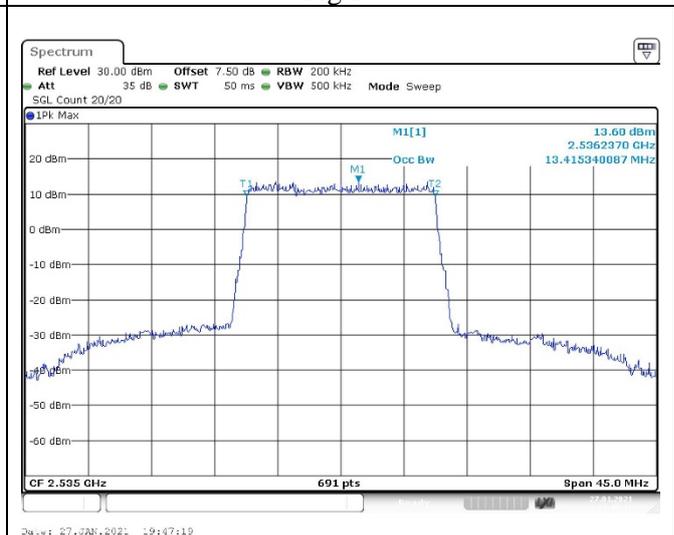


Fig.22

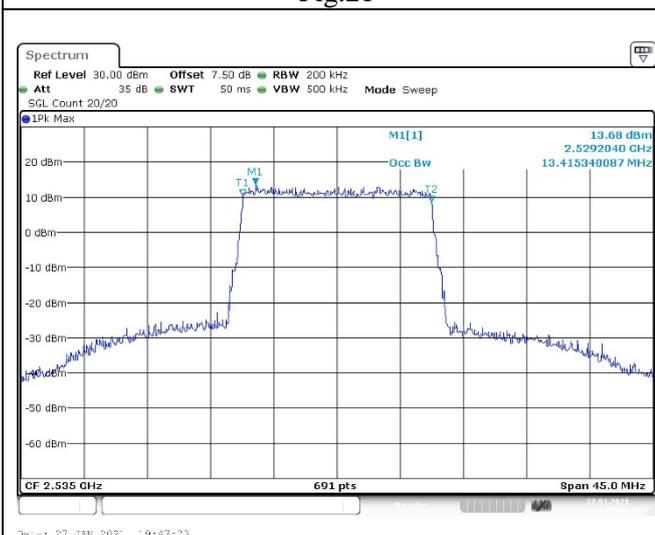


Fig.23

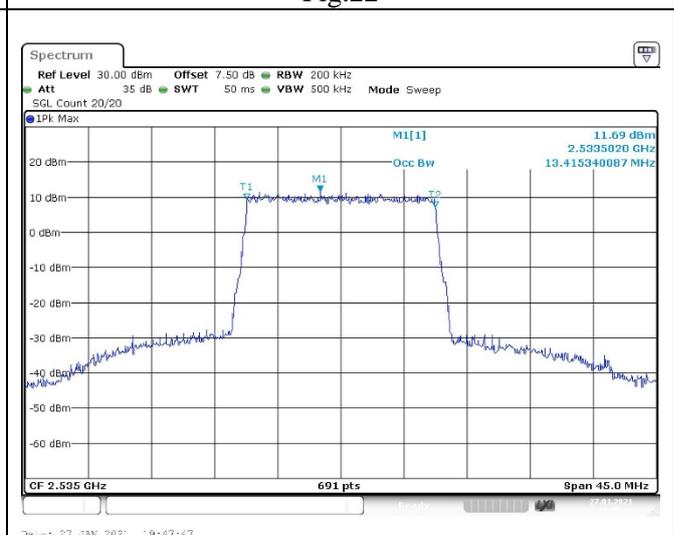


Fig.24

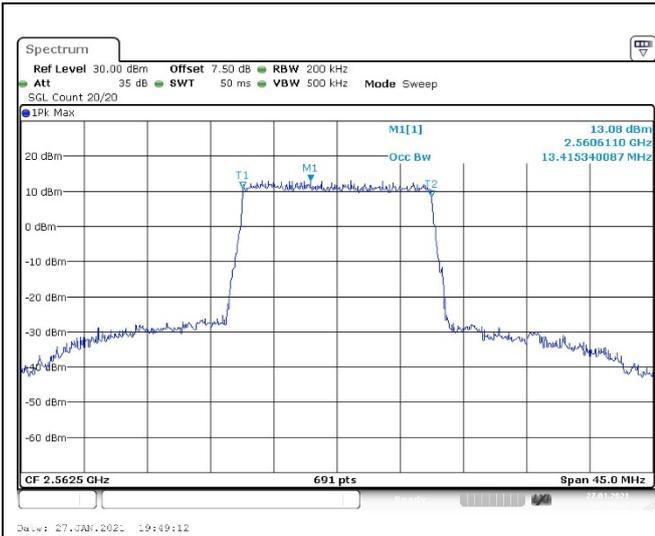


Fig.25

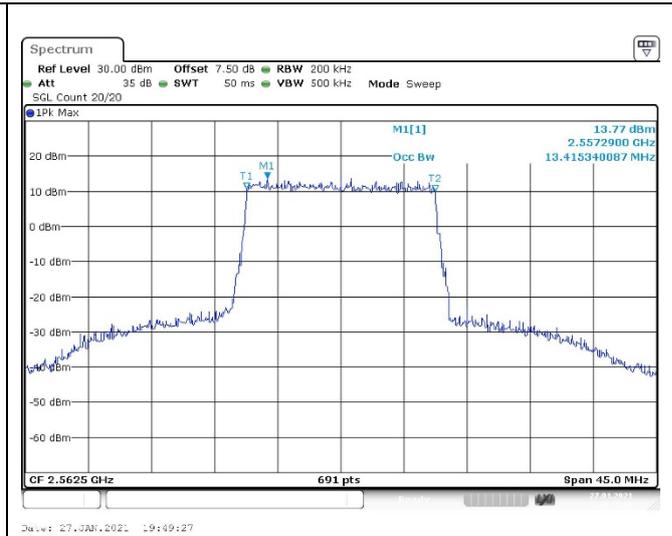


Fig.26

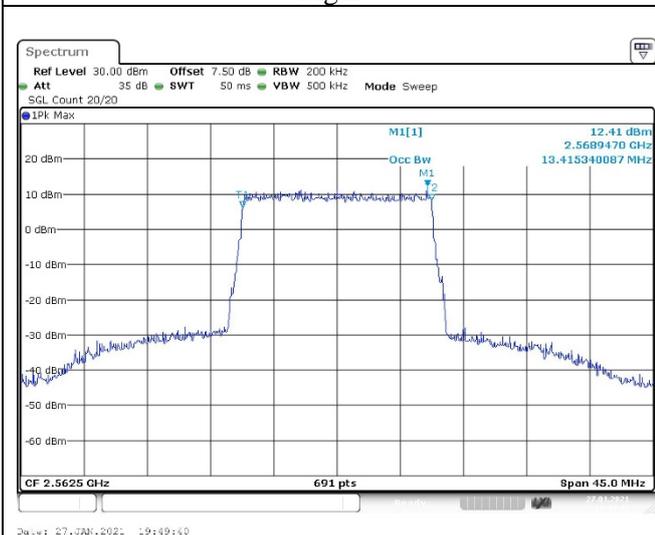


Fig.27

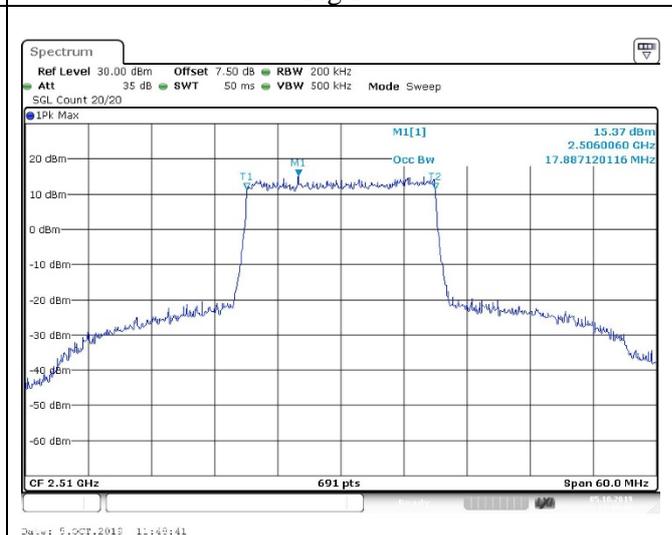


Fig.28

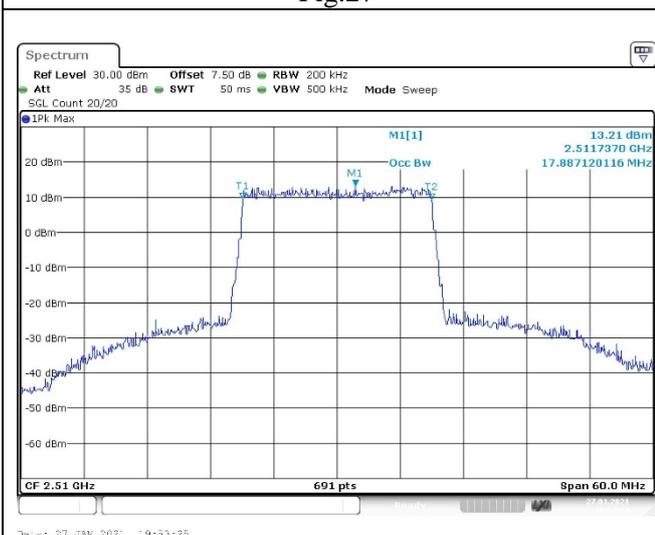


Fig.29

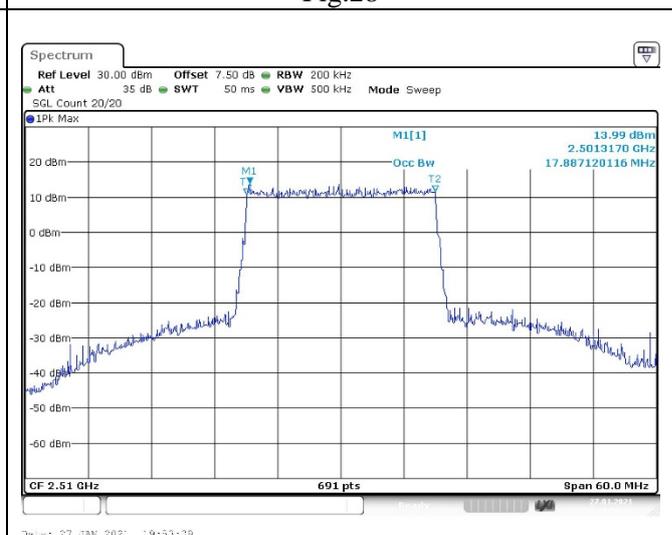


Fig.30

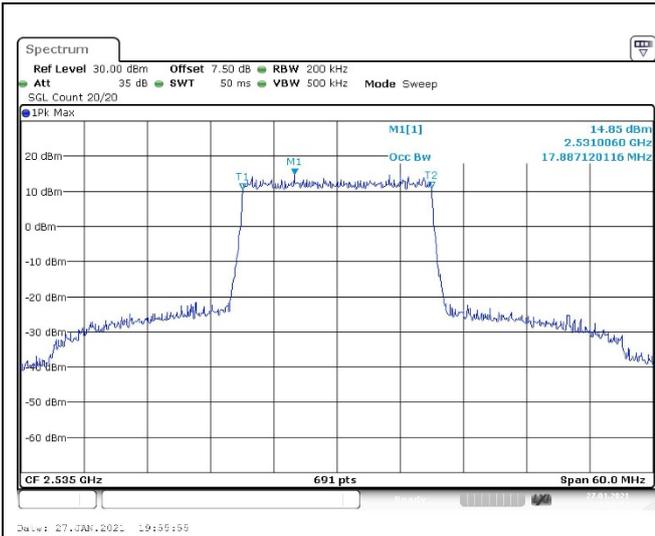


Fig.31

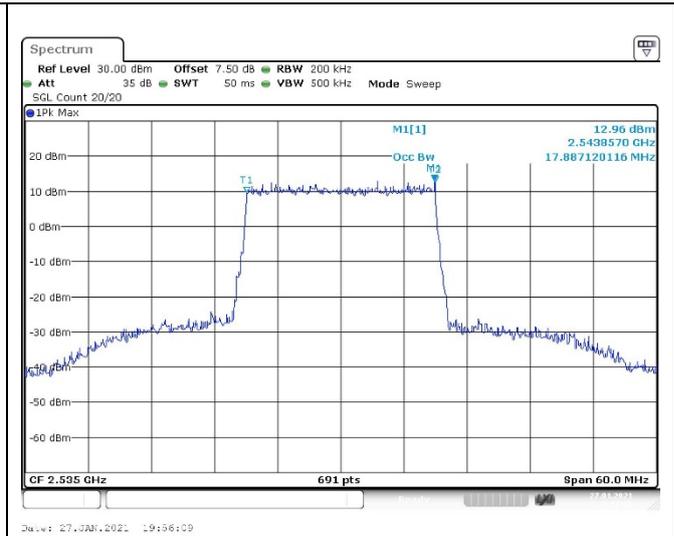


Fig.32

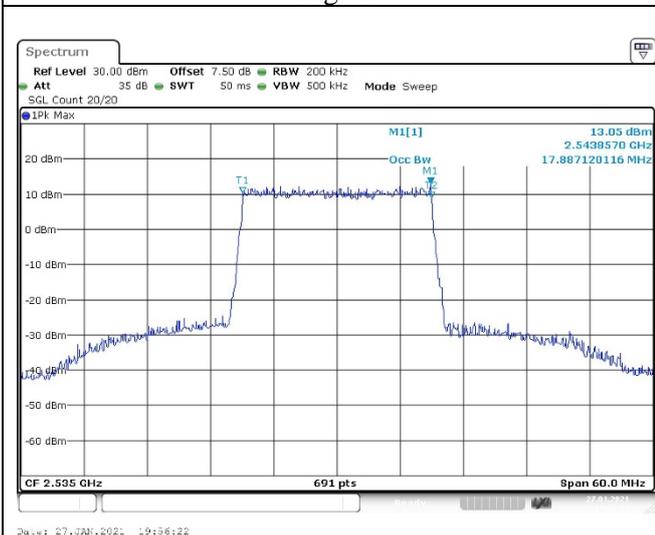


Fig.33

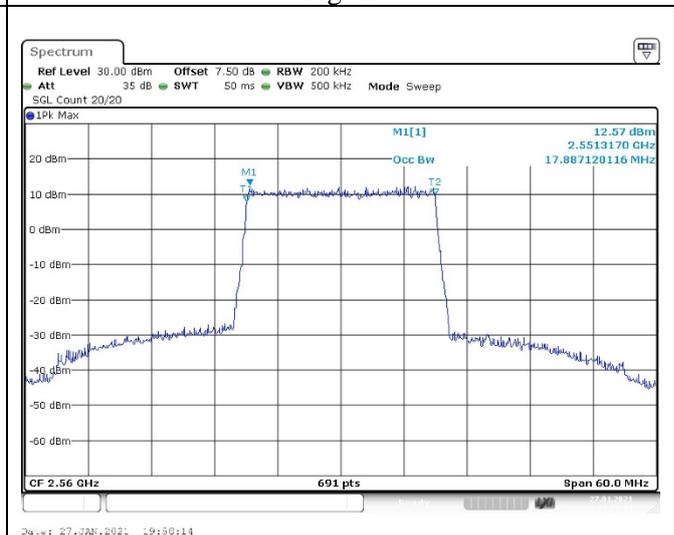


Fig.34

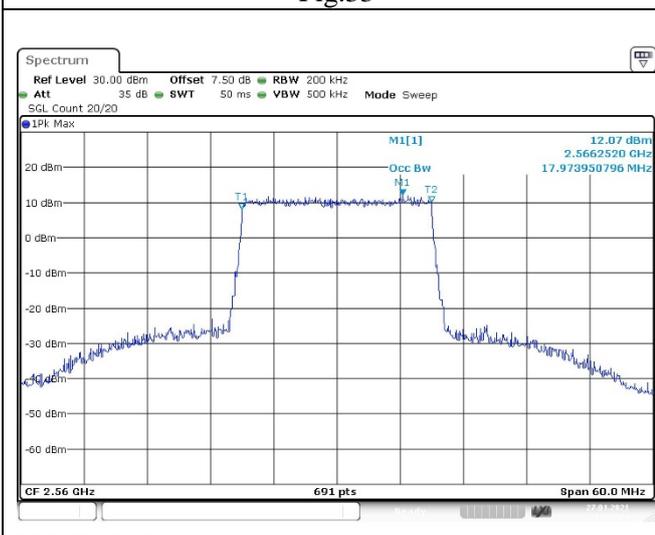


Fig.35

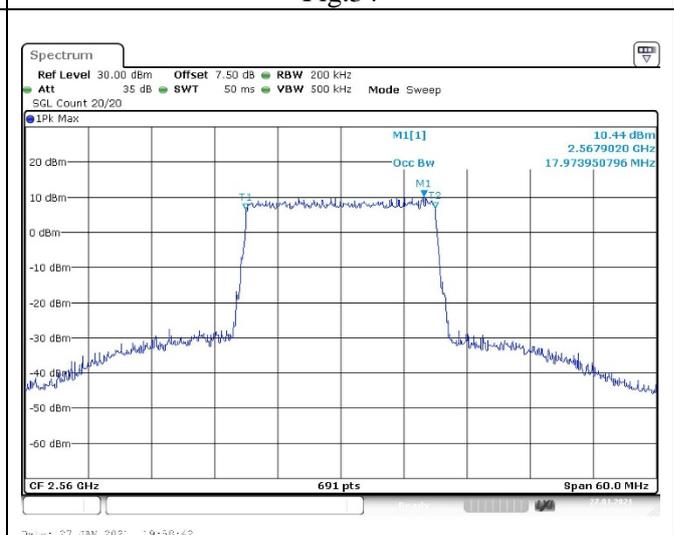


Fig.36

### 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	
7	2502.5	20775	5	25	0	4.906	Fig.1	4.841	Fig.2	4.884	Fig.3
	2535	21100		25	0	4.906	Fig.4	4.928	Fig.5	4.906	Fig.6
	2567.5	21425		25	0	4.884	Fig.7	4.928	Fig.8	4.884	Fig.9
	2505	20800	10	50	0	9.725	Fig.10	9.725	Fig.11	9.725	Fig.12
	2535	21100		50	0	9.682	Fig.13	9.725	Fig.14	9.682	Fig.15
	2565	21400		50	0	9.725	Fig.16	9.768	Fig.17	9.768	Fig.18
	2507.5	20825	15	75	0	14.913	Fig.19	14.718	Fig.20	14.848	Fig.21
	2535	21100		75	0	14.653	Fig.22	14.848	Fig.23	14.718	Fig.24
	2562.5	21375		75	0	14.783	Fig.25	14.783	Fig.26	14.653	Fig.27
	2510	20850	20	100	0	19.276	Fig.28	19.450	Fig.29	19.450	Fig.30
	2535	21100		100	0	19.363	Fig.31	19.363	Fig.32	19.276	Fig.33
	2560	21350		100	0	19.363	Fig.34	19.450	Fig.35	19.450	Fig.36

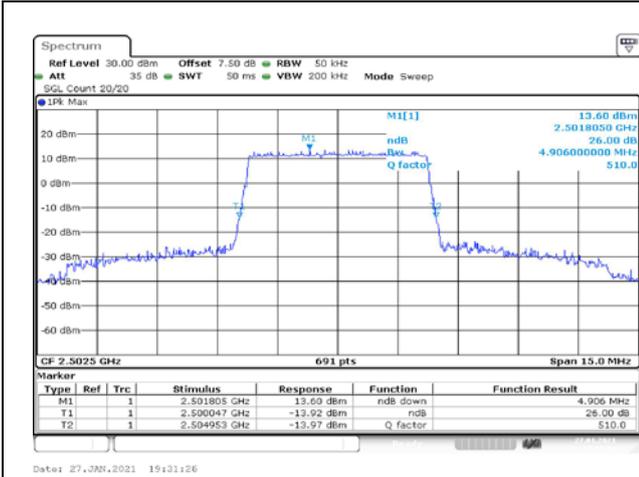


Fig.1

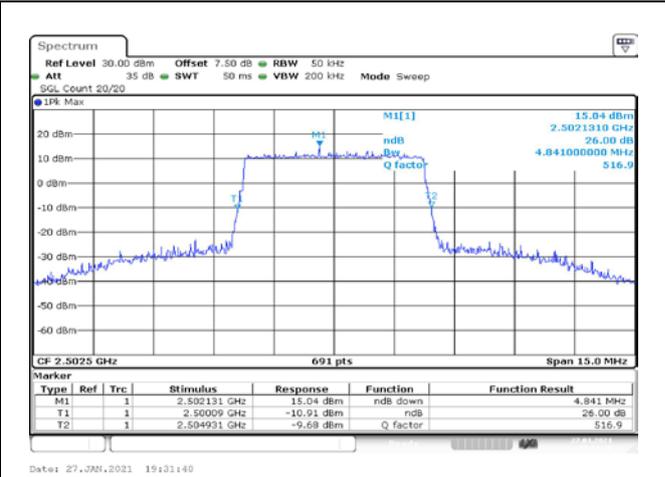


Fig.2

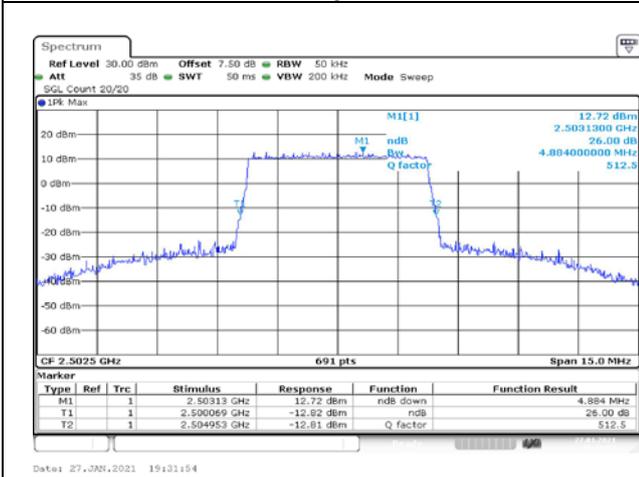


Fig.3

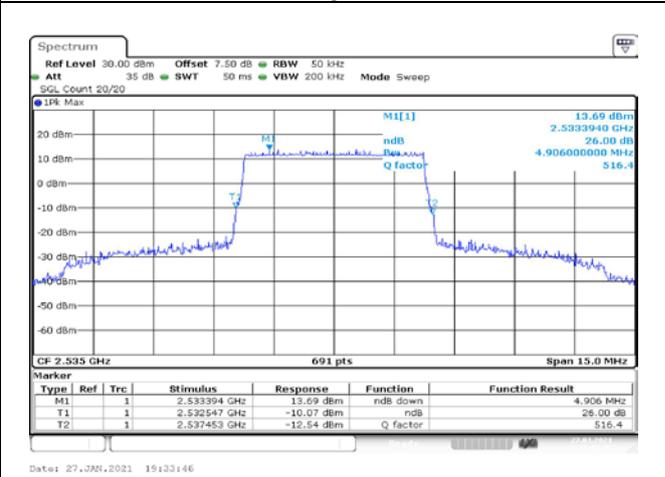


Fig.4

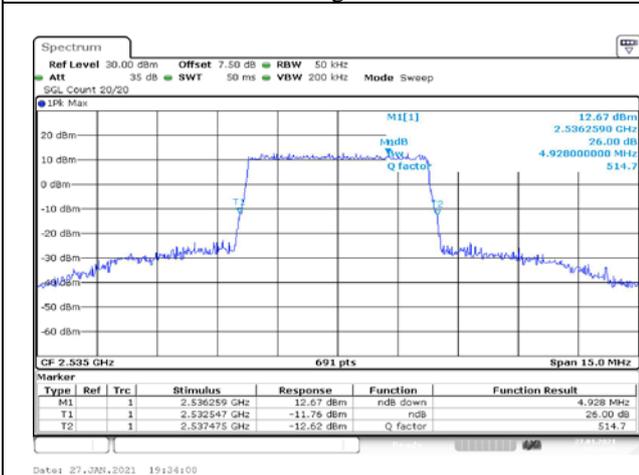


Fig.5

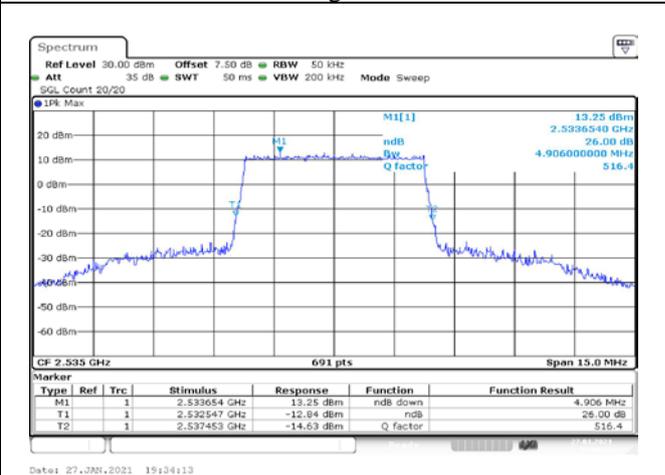


Fig.6

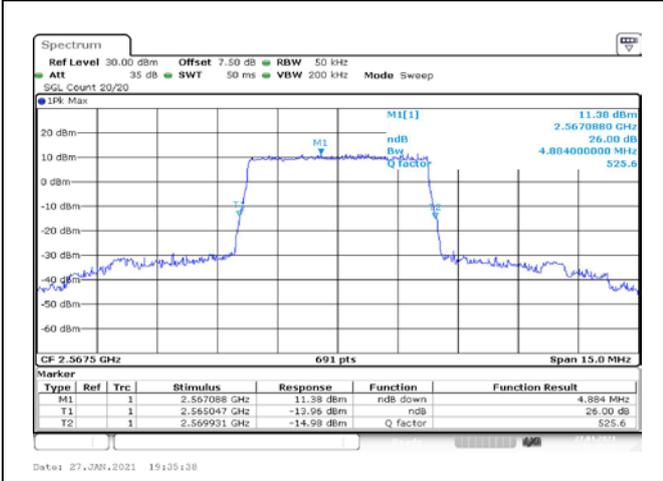


Fig.7

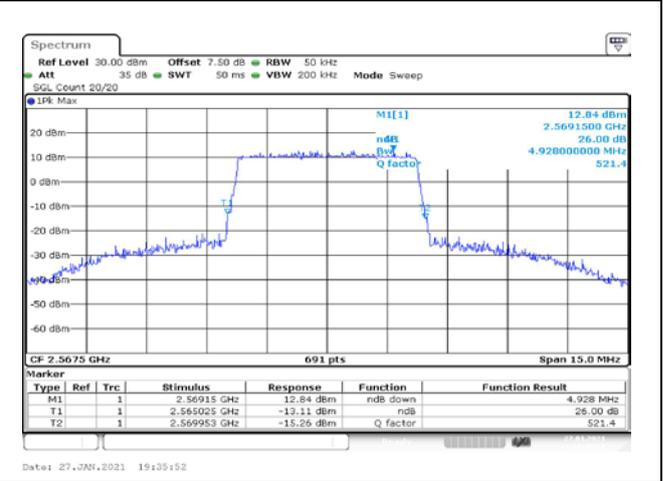


Fig.8

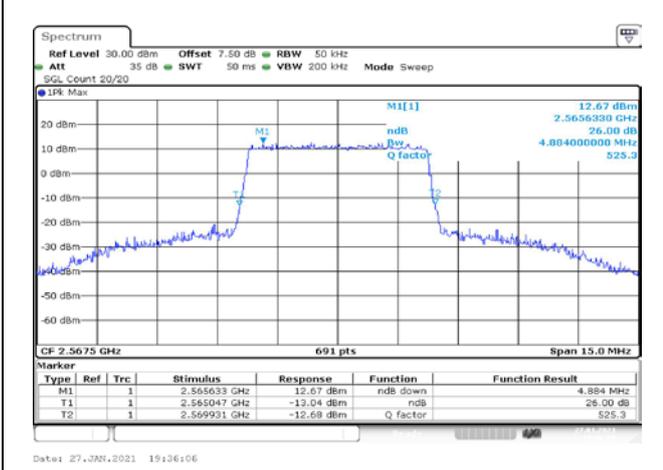


Fig.9

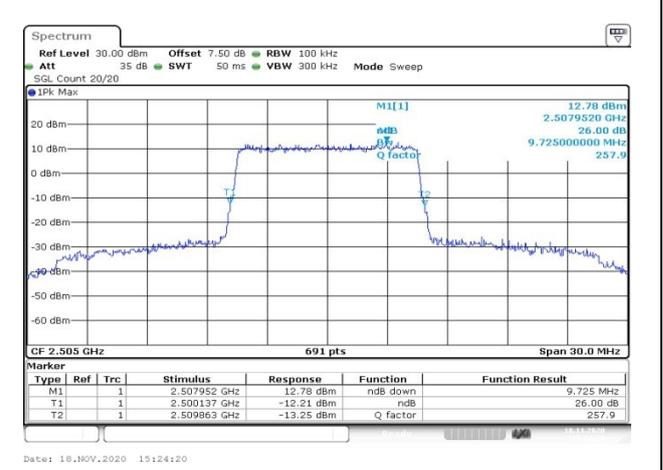


Fig.10

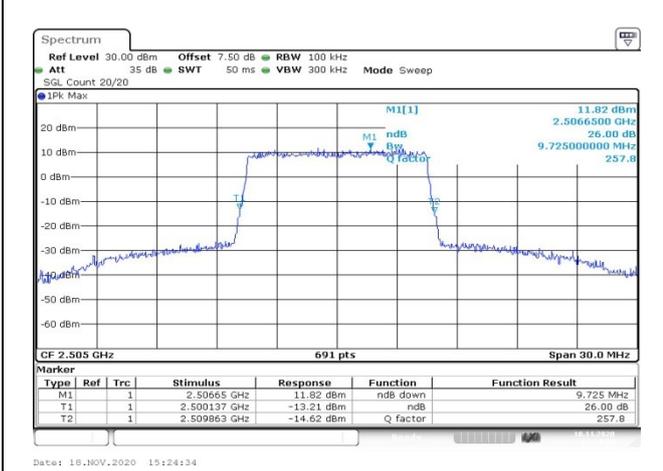


Fig.11

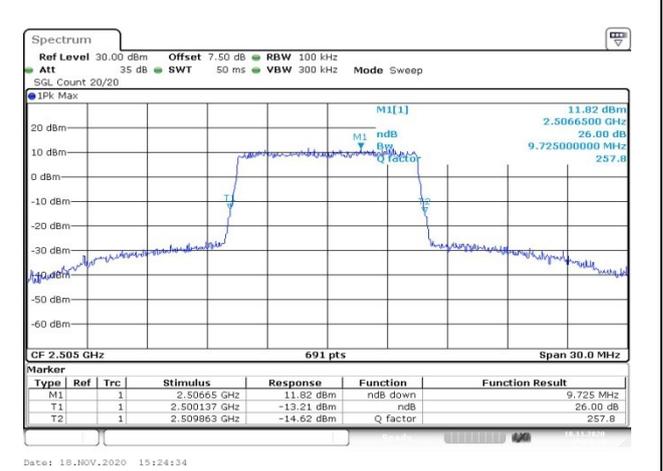


Fig.12

