

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 26(824-849)

RF Power Output

Modulation	BW	Carrier frequency (MHz)	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1.4	824.7	1.4	1	0	23.5
				1	3	23.5
				1	5	23.6
				3	0	23.7
				3	1	23.7
				3	3	23.7
		6		0	22.4	
		1		0	23.6	
		1		3	23.6	
		1		5	23.6	
		3		0	23.6	
		3		1	23.7	
		3		3	23.7	
		6		0	22.6	
		1		0	23.7	
		1		3	23.8	
		1		5	23.8	
		3		0	23.7	
3	1	23.7				
3	3	23.6				
6	0	22.7				
16QAM	1.4	824.7	1.4	1	0	23.1
				1	3	23.1
				1	5	23.1
				3	0	22.6
				3	1	22.7
				3	3	22.8
		6		0	21.7	
		1		0	23.3	
		1		3	23.1	
		1		5	23.1	
		3		0	22.5	
		3		1	22.4	
		3		3	22.4	
		6		0	21.8	
		1		0	22.2	
		1		3	22.2	
		1		5	22.5	
		3		0	22.8	
		3		1	22.7	
		3		3	22.7	
		6		0	21.8	
		3		0	22.8	
		3		1	22.7	
		3		3	22.7	
6	0	21.8				

Modulation	BW	Carrier frequency (MHz)	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1.4	824.7	1.4	1	0	21.8
				1	3	21.7
				1	5	21.8
				3	0	21.8
				3	1	21.7
				3	3	21.5
		6		0	21.6	
		1		0	21.7	
		1		3	21.8	
		1		5	21.7	
		3		0	21.7	
		3		1	21.7	
		3		3	21.7	
		6		0	21.7	
		1		0	21.8	
		1		3	21.8	
		1		5	21.8	
		3		0	21.8	
		3		1	21.8	
		3		3	21.8	
		6		0	21.6	

Modulation	BW	Carrier frequency (MHz)	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	3	825.5	3	1	0	23.5
				1	8	23.4
				1	14	23.5
				8	0	22.5
				8	4	22.5
				8	7	22.5
		15		0	22.5	
		836.5		1	0	23.5
				1	8	23.6
				1	14	23.6
				8	0	22.5
				8	4	22.6
				8	7	22.6
		847.5		15	0	22.4
				1	0	23.9
1	8		23.7			
1	14		23.7			
8	0		22.7			
8	4		22.7			
16QAM	3	825.5	3	8	7	22.6
				8	0	22.5
				15	0	22.5
				1	0	22.8
				1	8	22.8
				1	14	22.9
		8		0	21.9	
		8		4	21.8	
		8		7	21.8	
		15		0	21.5	
		836.5		1	0	23.2
				1	8	23.1
				1	14	23.2
				8	0	21.6
				8	4	21.6
8	7		21.6			
847.5	15	0	21.5			
	1	0	22.4			
	1	8	22.4			
	1	14	22.3			
	8	0	21.7			
	8	4	21.8			
				8	7	21.8
				8	0	21.8
				15	0	21.6

Modulation	BW	Carrier frequency (MHz)	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	3	825.5	3	1	0	21.6
				1	8	21.5
				1	14	21.5
				8	0	21.5
				8	4	21.5
				8	7	21.5
				15	0	21.5
		1		0	21.6	
		1		8	21.6	
		1		14	21.6	
		8		0	21.6	
		8		4	21.6	
		8		7	21.6	
		15		0	21.6	
		1		0	21.6	
		1		8	21.6	
		1		14	21.7	
		8		0	21.7	
		8		4	21.7	
		8		7	21.7	
		15		0	21.7	
847.5						

Modulation	BW	Carrier frequency (MHz)	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	5	826.5	5	1	0	23.6
				1	12	23.5
				1	24	23.6
				12	0	22.4
				12	7	22.4
				12	13	22.4
		25		0	22.4	
		836.5		1	0	23.6
				1	12	23.6
				1	24	23.6
				12	0	22.6
				12	7	22.6
				12	13	22.6
		25		0	22.5	
		846.5		1	0	23.5
1	12		23.5			
1	24		23.5			
12	0		22.7			
12	7		22.7			
12	13		22.7			
25	0	22.6				
16QAM	5	826.5	5	1	0	21.7
				1	12	21.7
				1	24	21.8
				12	0	21.5
				12	7	21.5
				12	13	21.5
		25		0	21.6	
		836.5		1	0	22.6
				1	12	22.7
				1	24	22.7
				12	0	21.6
				12	7	21.6
				12	13	21.5
		25		0	21.5	
		846.5		1	0	22.3
				1	12	22.3
				1	24	22.4
				12	0	21.6
12	7		21.5			
12	13		21.6			
25	0	21.8				

Modulation	BW	Carrier frequency (MHz)	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	5	826.5	5	1	0	21.6
				1	12	21.6
				1	24	21.6
				12	0	21.6
				12	7	21.6
				12	13	21.6
		25		0	21.6	
		1		0	21.5	
		1		12	21.5	
		1		24	21.5	
		12		0	21.5	
		12		7	21.5	
		12		13	21.5	
		25		0	21.5	
		1		0	21.8	
		1		12	21.8	
		1		24	21.8	
		12		0	21.8	
12	7	21.8				
12	13	21.8				
25	0	21.8				

Modulation	BW	Carrier frequency (MHz)	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	10	829	10	1	0	23.5
				1	25	23.6
				1	49	23.5
				25	0	22.5
				25	12	22.4
				25	25	22.4
		836.5		50	0	22.6
				1	0	23.7
				1	25	23.7
				1	49	23.7
				25	0	22.4
				25	12	22.5
		844		25	25	22.5
				50	0	22.5
				1	0	23.5
1	25		23.5			
1	49		23.5			
25	0		22.5			
16QAM	10	829	10	25	12	22.6
				25	25	22.6
				50	0	22.6
				1	0	22.7
				1	25	22.7
				1	49	22.8
		836.5		25	0	21.5
				25	12	21.6
				25	25	21.6
				50	0	21.5
				1	0	22.7
				1	25	22.7
		844		1	49	23.3
				25	0	21.5
				25	12	21.6
25	25		21.5			
50	0		21.6			
1	0		22.1			
	1	25	22.1			
	1	49	22.2			
	25	0	21.7			
	25	12	21.7			
	25	25	21.8			
	50	0	21.7			

Modulation	BW	Carrier frequency (MHz)	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	10	829	10	1	0	21.5
				1	25	21.5
				1	49	21.5
				25	0	21.5
				25	12	21.5
				25	25	21.5
		50		0	21.5	
		836.5		1	0	21.6
				1	25	21.6
				1	49	21.6
				25	0	21.6
				25	12	21.5
				25	25	21.6
		50		0	21.6	
		844		1	0	21.7
				1	25	21.6
				1	49	21.7
				25	0	21.7
				25	12	21.7
				25	25	21.7
				50	0	21.7

Modulation	BW	Carrier frequency (MHz)	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	15	831.5	15	1	0	23.5
				1	37	23.5
				1	74	23.5
				36	0	22.5
				36	29	22.5
				36	30	22.5
		75		0	22.5	
		836.5		1	0	23.7
				1	37	23.8
				1	74	23.8
				36	0	22.6
				36	29	22.5
				36	30	22.5
		841.5		75	0	22.5
				1	0	23.4
1	37		23.5			
1	74		23.5			
36	0		22.5			
36	29		22.6			
16QAM	15	831.5	15	36	30	22.6
				75	0	22.6
				1	0	22.7
				1	37	22.7
				1	74	22.8
				36	0	21.6
		36		29	21.7	
		836.5		36	30	21.5
				75	0	21.6
				1	0	23.3
				1	37	23.3
				1	74	23.3
				36	0	21.6
		841.5		36	29	21.6
				36	30	21.7
75	0		21.6			
1	0		22.8			
1	37		22.9			
1	74		22.9			
		36	0	21.6		
		36	29	21.6		
		36	30	21.6		
		75	0	21.5		

Modulation	BW	Carrier frequency (MHz)	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	15	831.5	15	1	0	21.6
				1	37	21.6
				1	74	21.6
				36	0	21.6
				36	29	21.6
				36	30	21.6
		75		0	21.6	
		1		0	21.7	
		1		37	21.7	
		1		74	21.7	
		36		0	21.7	
		36		29	21.7	
		36		30	21.7	
		75		0	21.7	
		1		0	21.6	
		1		37	21.6	
		1		74	21.6	
		36		0	21.6	
36	29	21.6				
36	30	21.6				
75	0	21.6				

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	
26	824.7	26797	1.4	6	0	1.082	Fig.1	1.100	Fig.2	1.100	Fig.3
	836.5	26915		6	0	1.094	Fig.4	1.088	Fig.5	1.088	Fig.6
	848.3	27033		6	0	1.094	Fig.7	1.100	Fig.8	1.100	Fig.9
	825.5	26805	3	15	0	2.748	Fig.10	2.748	Fig.11	2.735	Fig.12
	836.5	26915		15	0	2.735	Fig.13	2.735	Fig.14	2.748	Fig.15
	847.5	27025		15	0	2.735	Fig.16	2.735	Fig.17	2.735	Fig.18
	826.5	26815	5	25	0	4.515	Fig.19	4.515	Fig.20	4.493	Fig.21
	836.5	26915		25	0	4.515	Fig.22	4.493	Fig.23	4.493	Fig.24
	846.5	27015		25	0	4.472	Fig.25	4.515	Fig.26	4.515	Fig.27
	829	26840	10	50	0	9.074	Fig.28	9.074	Fig.29	9.074	Fig.30
	836.5	26915		50	0	9.030	Fig.31	8.987	Fig.32	9.030	Fig.33
	844	26990		50	0	9.030	Fig.34	9.030	Fig.35	9.030	Fig.36
	831.5	26865	15	75	0	13.480	Fig.37	13.415	Fig.38	13.415	Fig.39
	836.5	26915		75	0	13.415	Fig.40	13.480	Fig.41	13.480	Fig.42
	841.5	26965		75	0	13.480	Fig.43	13.480	Fig.44	13.546	Fig.45

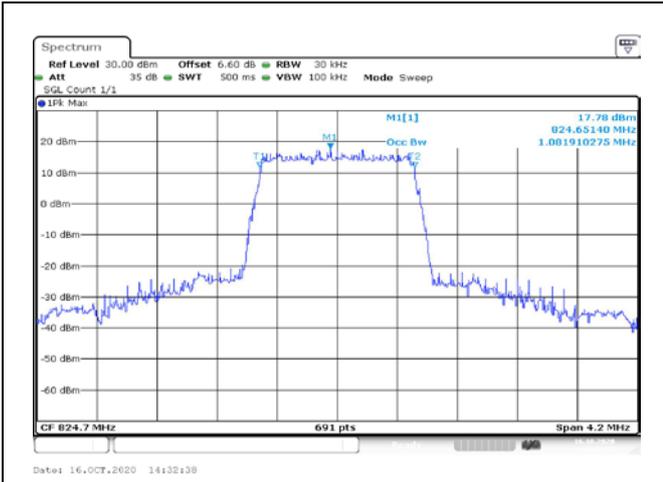


Fig.1

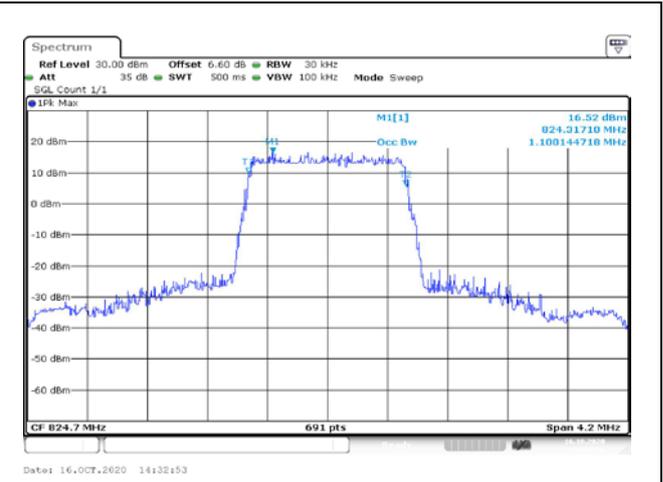


Fig.2

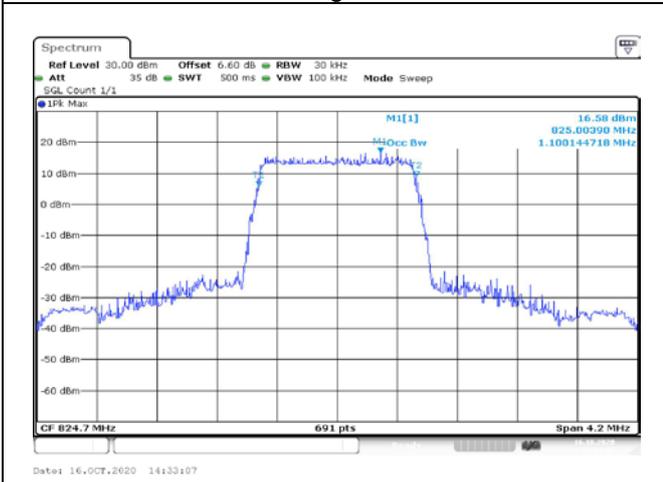


Fig.3

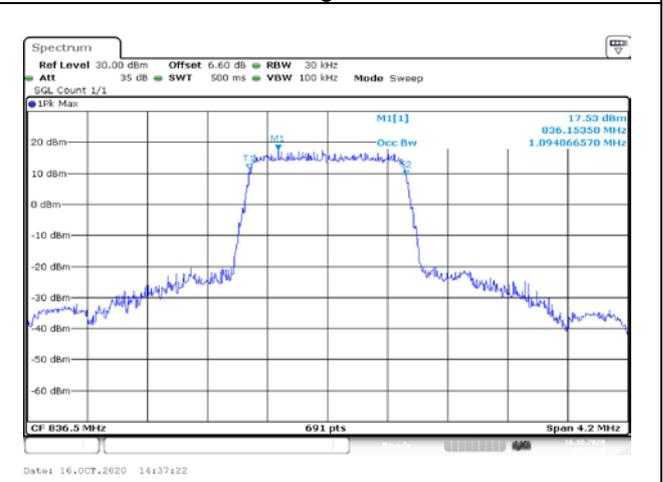


Fig.4

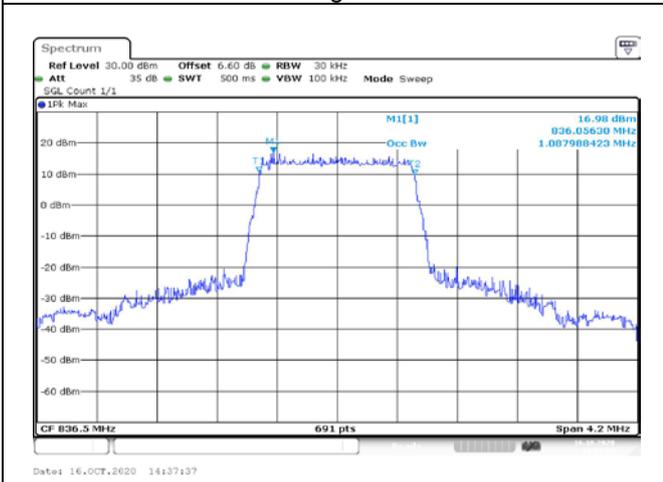


Fig.5

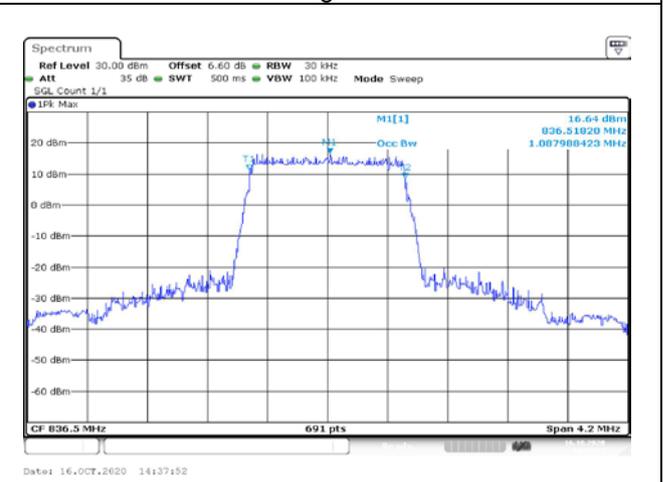


Fig.6

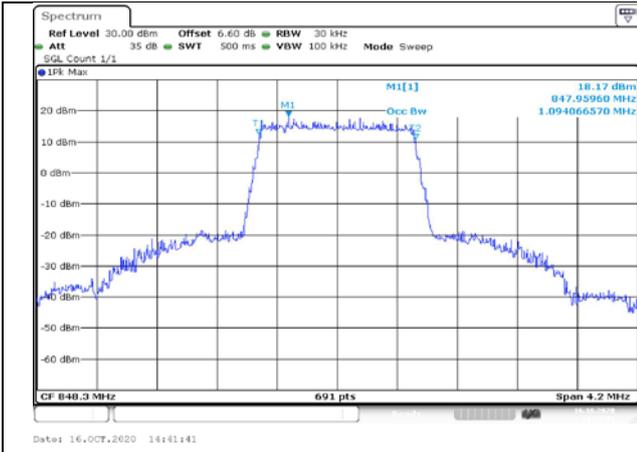


Fig.7

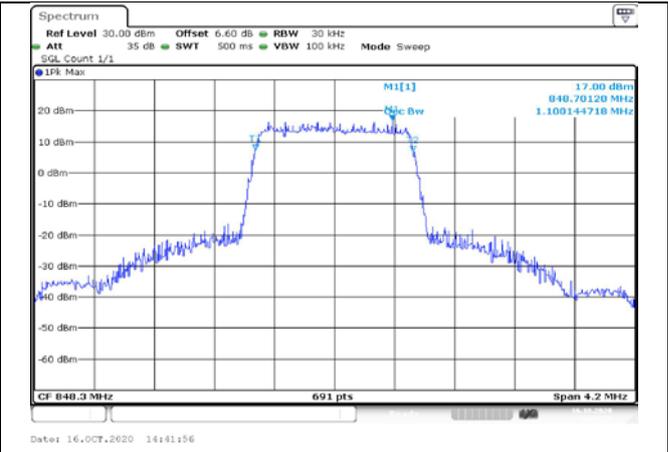


Fig.8

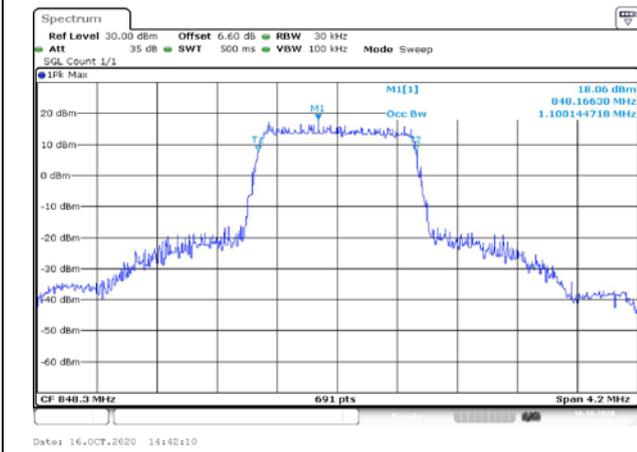


Fig.9

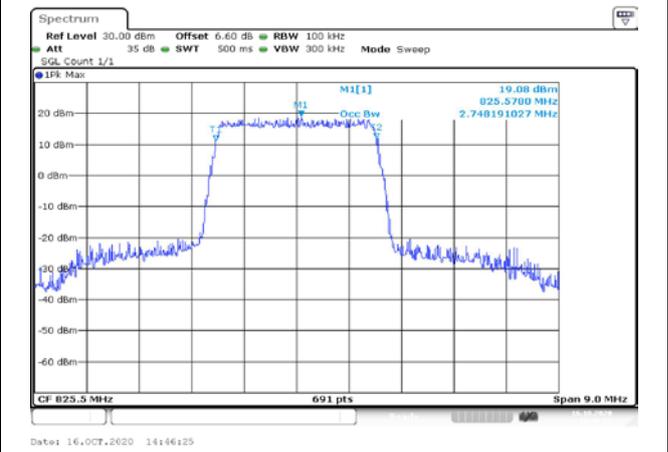


Fig.10

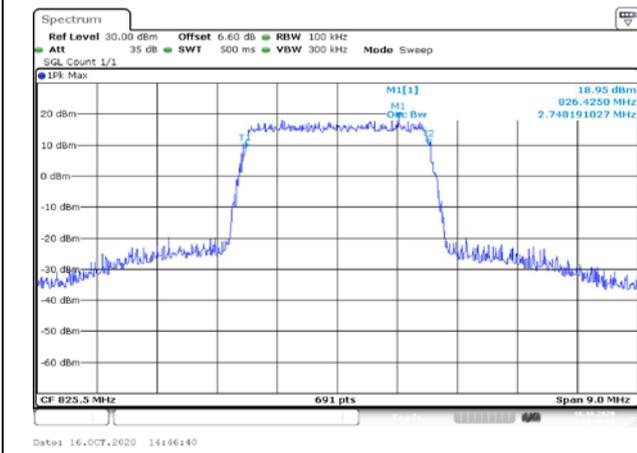


Fig.11

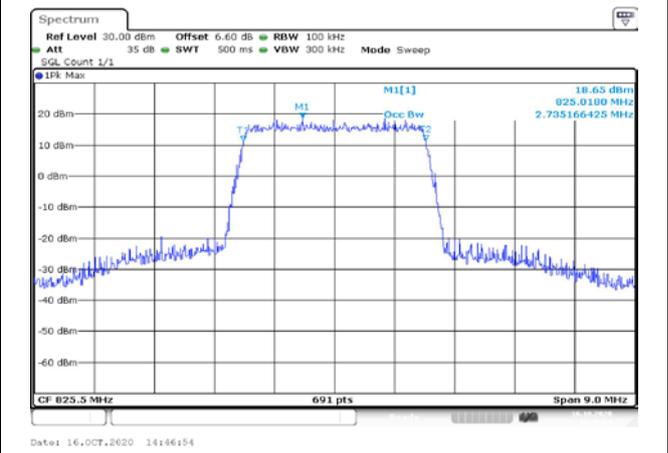
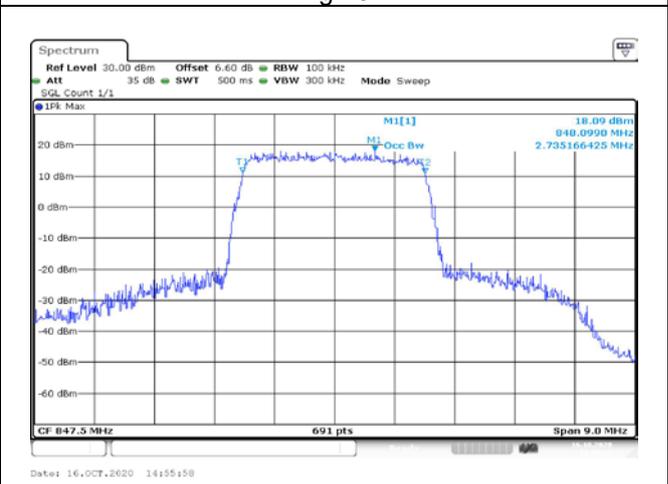
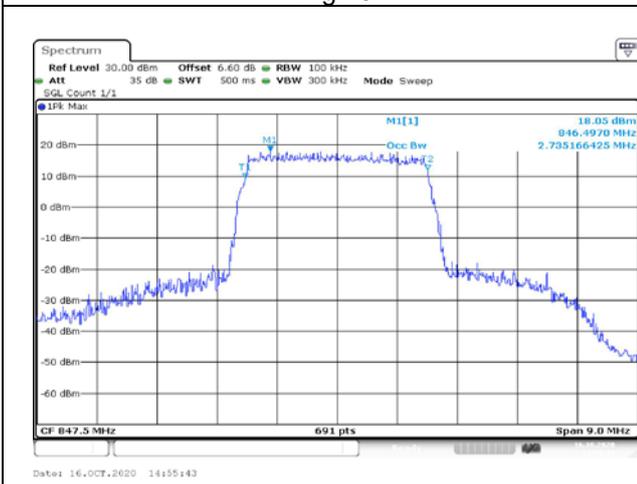
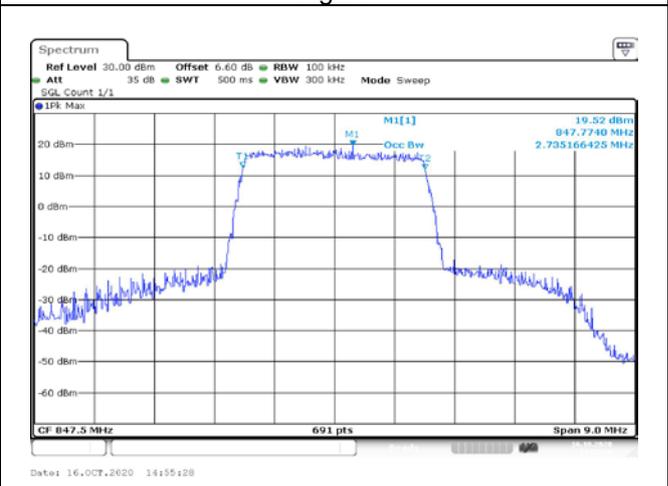
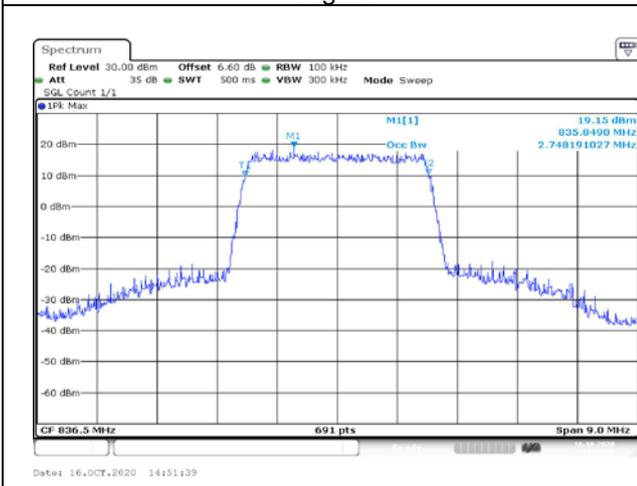
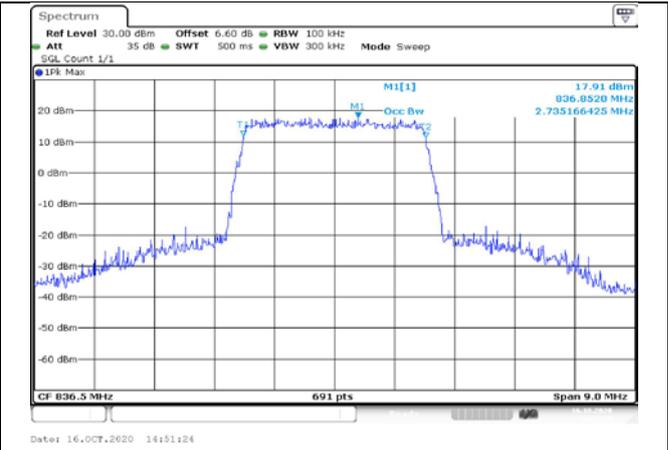
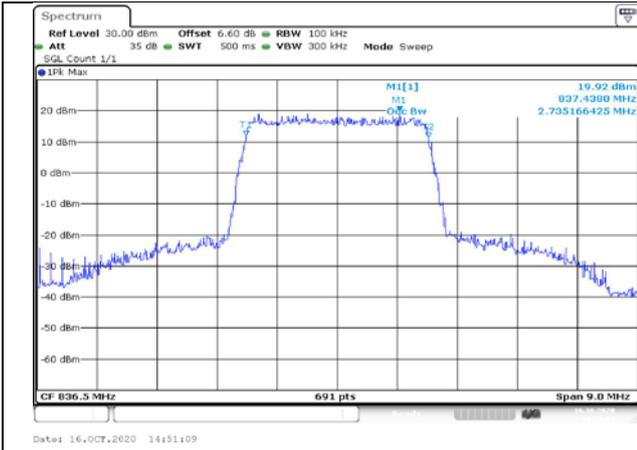


Fig.12



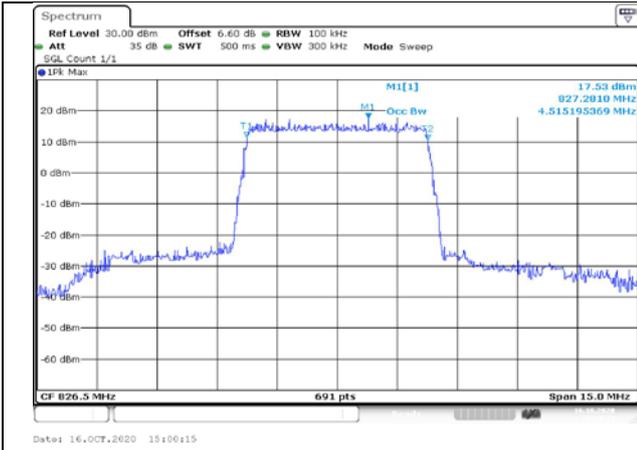


Fig.19

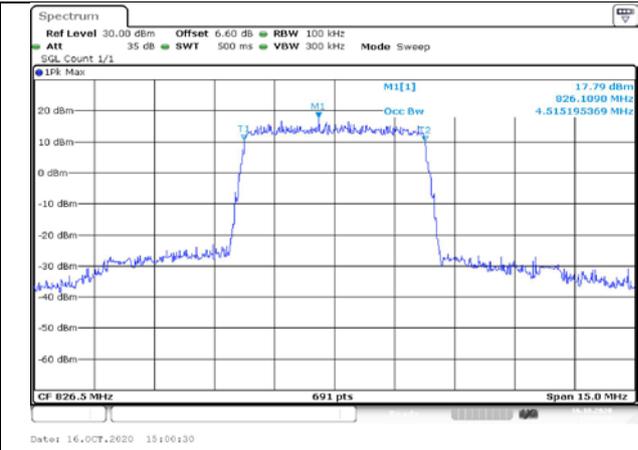


Fig.20

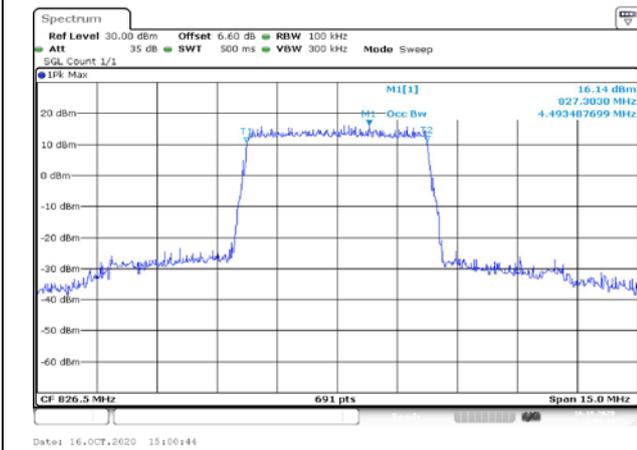


Fig.21

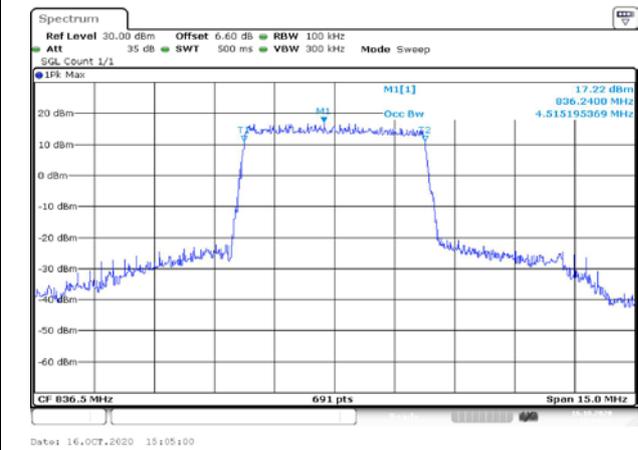


Fig.22

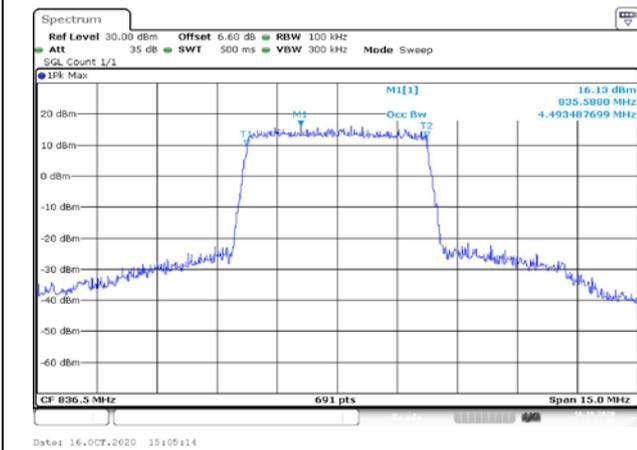


Fig.23

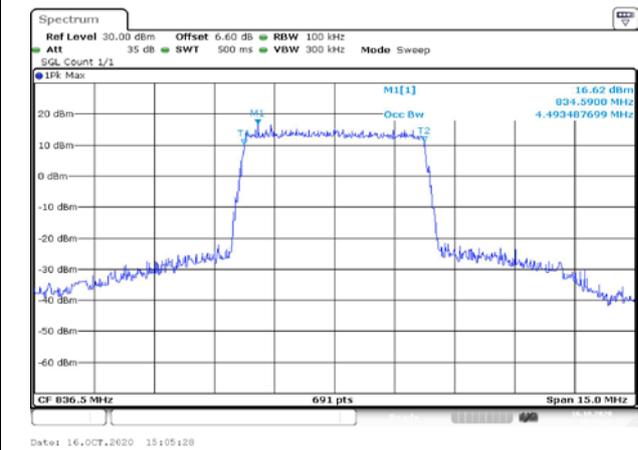


Fig.24

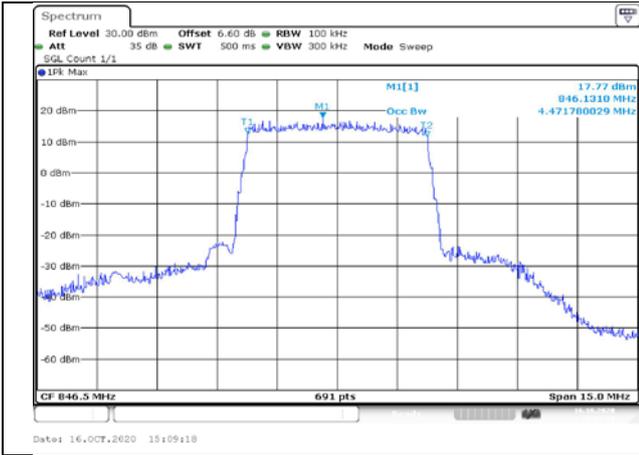


Fig.25

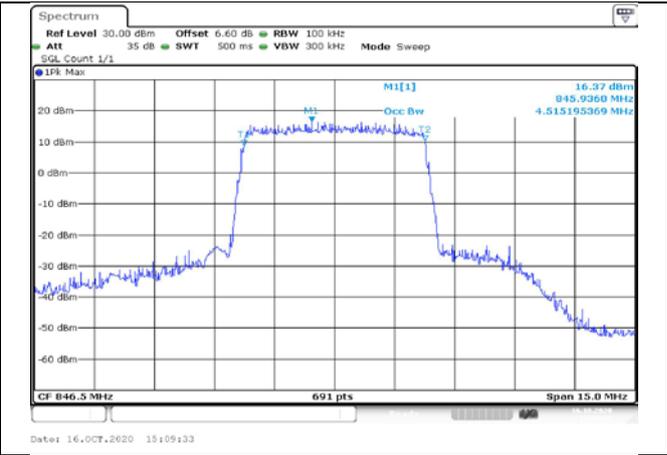


Fig.26

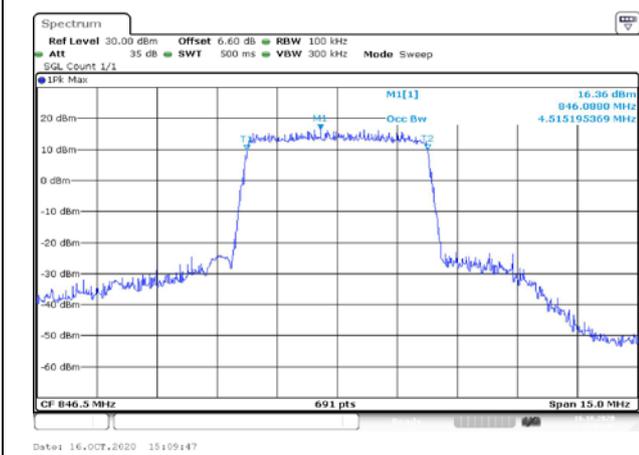


Fig.27

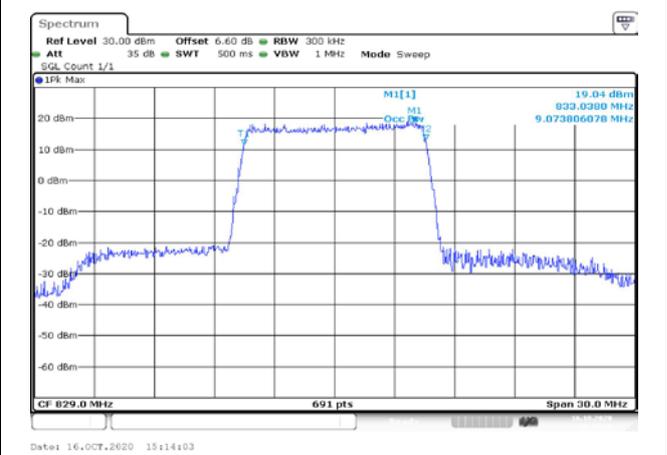


Fig.28

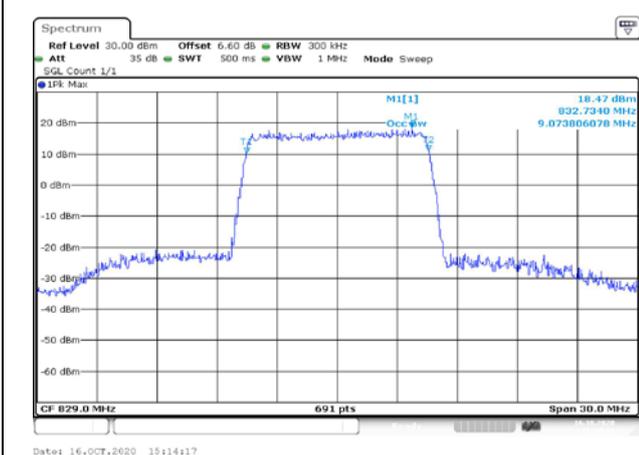


Fig.29

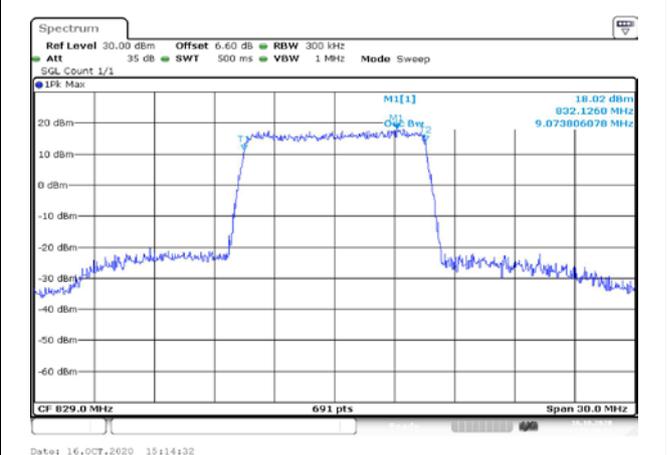


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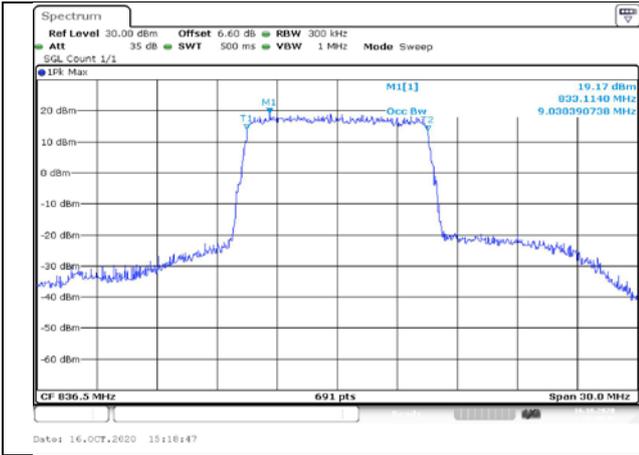


Fig.31

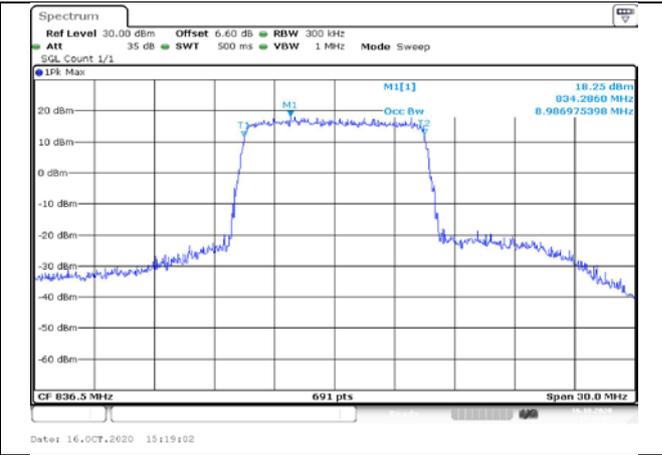


Fig.32

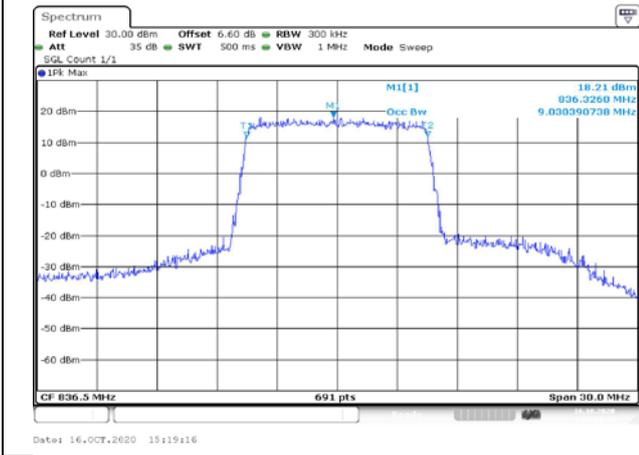


Fig.33

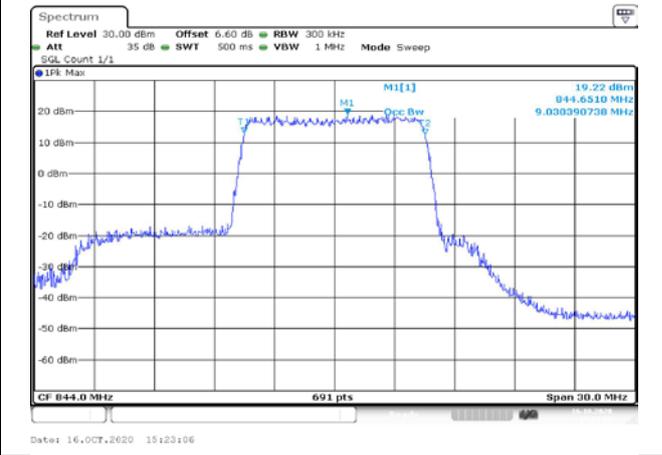


Fig.34

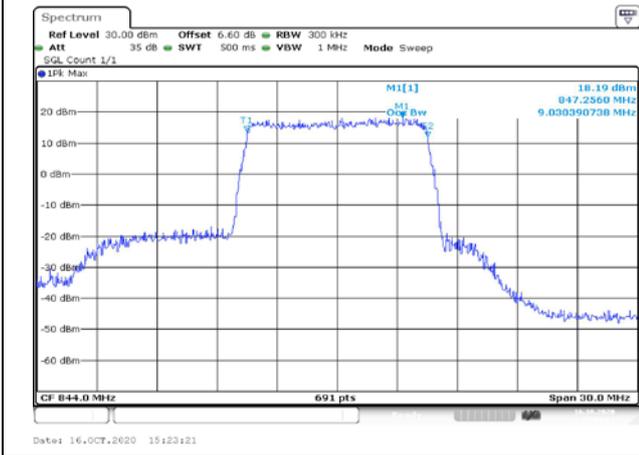


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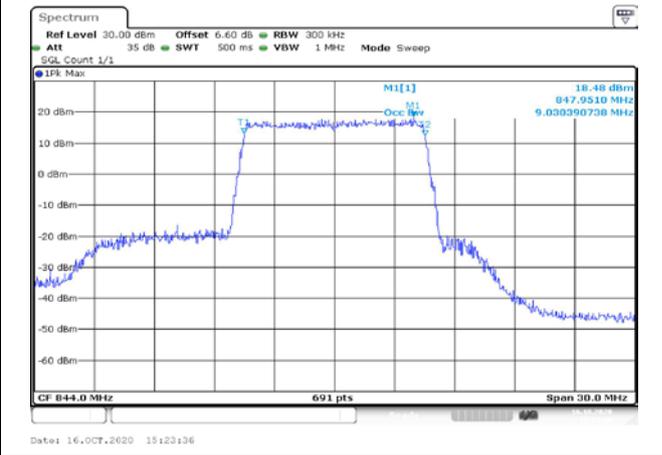


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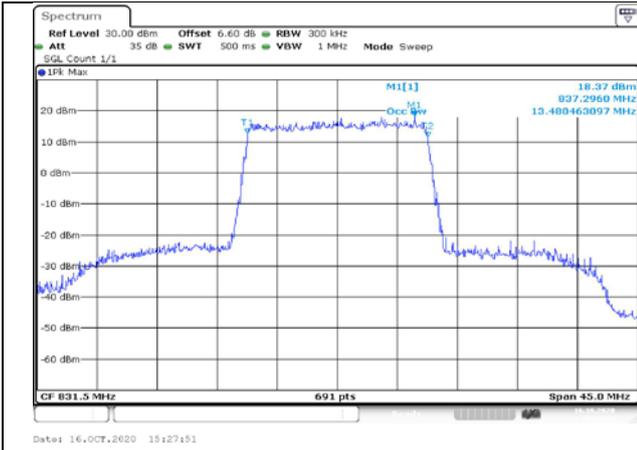


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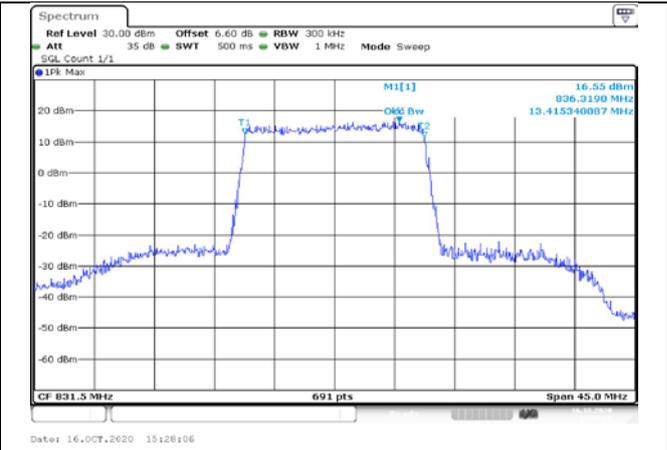


Fig.38

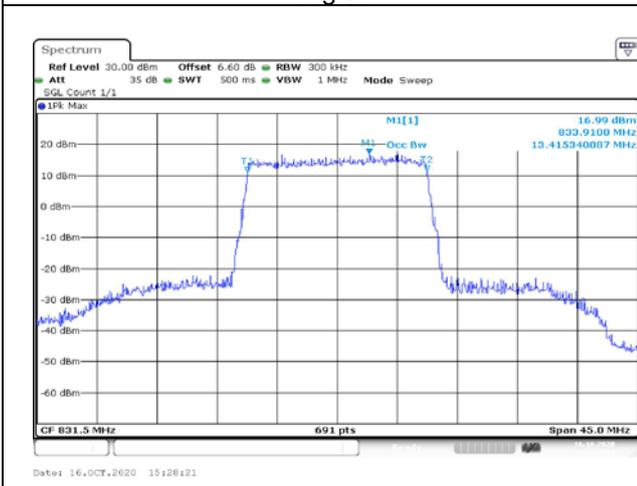


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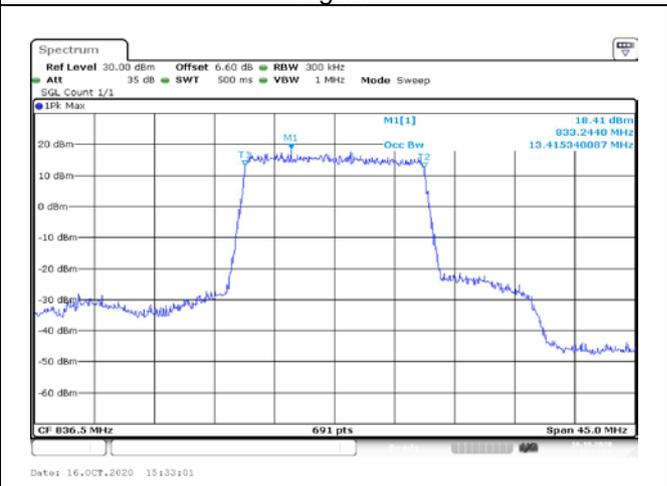


Fig.40

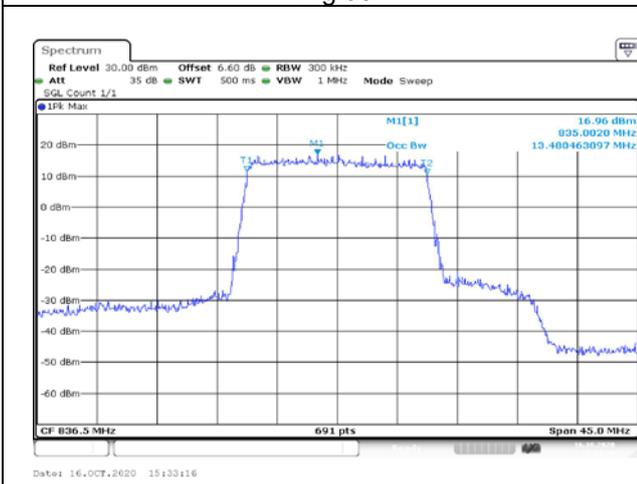


Fig.41

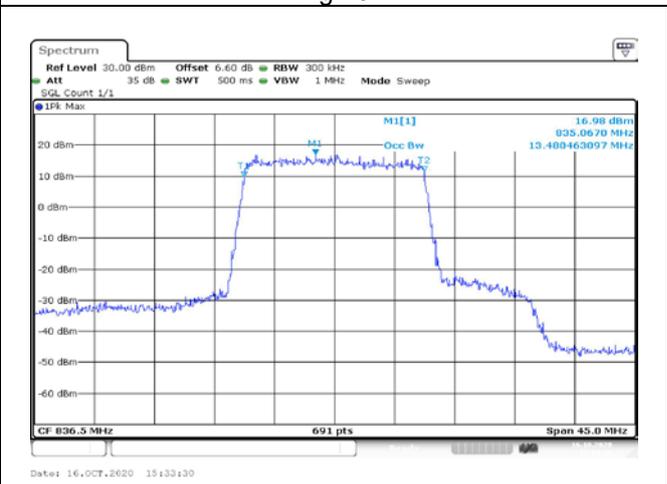
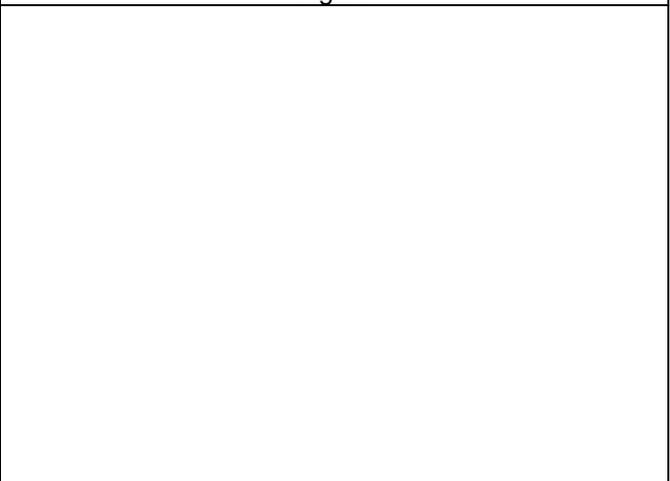
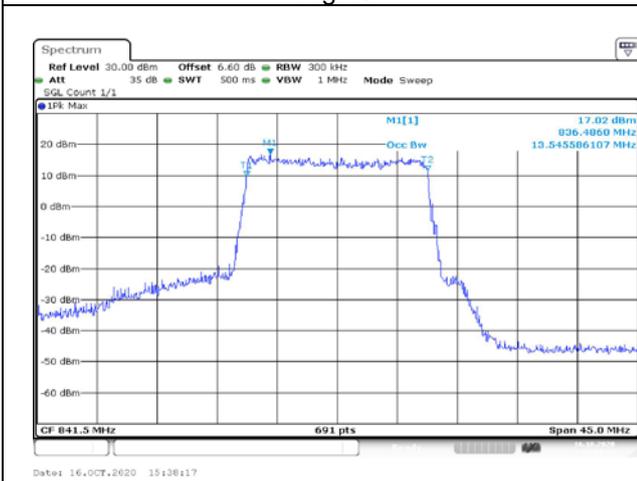
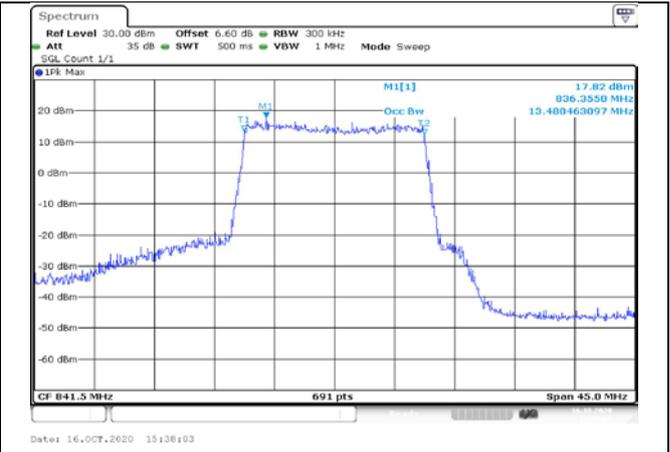
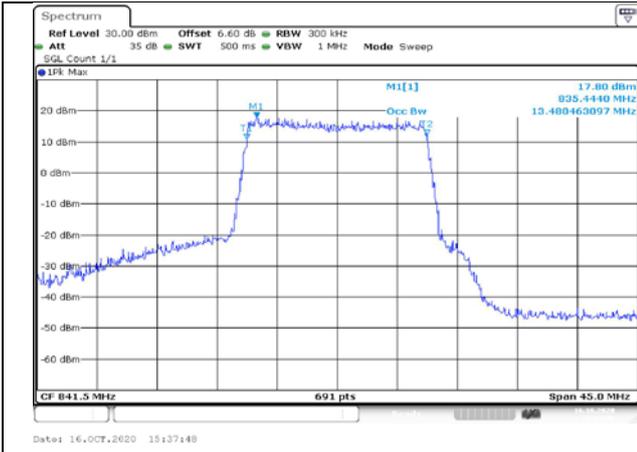


Fig.42



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	
26	824.7	26797	1.4	6	0	1.240	Fig.1	1.228	Fig.2	1.240	Fig.3
	836.5	26915		6	0	1.234	Fig.4	1.228	Fig.5	1.234	Fig.6
	848.3	27033		6	0	1.228	Fig.7	1.234	Fig.8	1.240	Fig.9
	825.5	26805	3	15	0	3.048	Fig.10	3.087	Fig.11	3.061	Fig.12
	836.5	26915		15	0	3.074	Fig.13	3.074	Fig.14	3.100	Fig.15
	847.5	27025		15	0	3.048	Fig.16	3.100	Fig.17	3.074	Fig.18
	826.5	26815	5	25	0	4.971	Fig.19	4.928	Fig.20	4.906	Fig.21
	836.5	26915		25	0	4.928	Fig.22	4.949	Fig.23	4.928	Fig.24
	846.5	27015		25	0	4.906	Fig.25	4.971	Fig.26	4.906	Fig.27
	829	26840	10	50	0	10.029	Fig.28	10.029	Fig.29	9.986	Fig.30
	836.5	26915		50	0	10.029	Fig.31	10.029	Fig.32	9.899	Fig.33
	844	26990		50	0	10.029	Fig.34	10.029	Fig.35	10.029	Fig.36
	831.5	26865	15	75	0	14.653	Fig.37	14.848	Fig.38	14.848	Fig.39
	836.5	26915		75	0	14.848	Fig.40	14.783	Fig.41	14.783	Fig.42
	841.5	26965		75	0	14.588	Fig.43	14.848	Fig.44	14.718	Fig.45

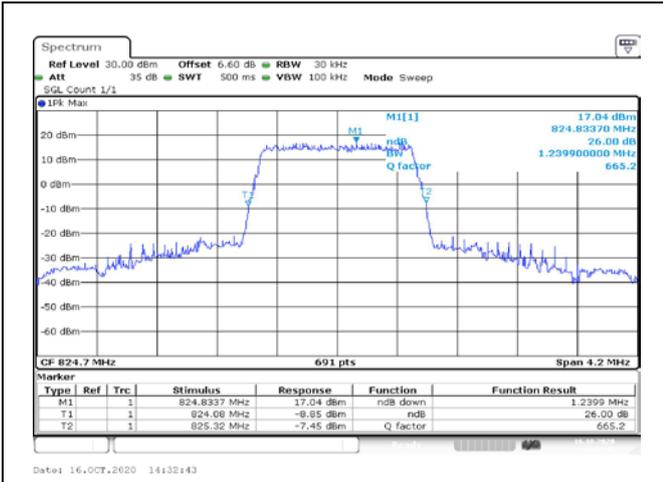


Fig.1

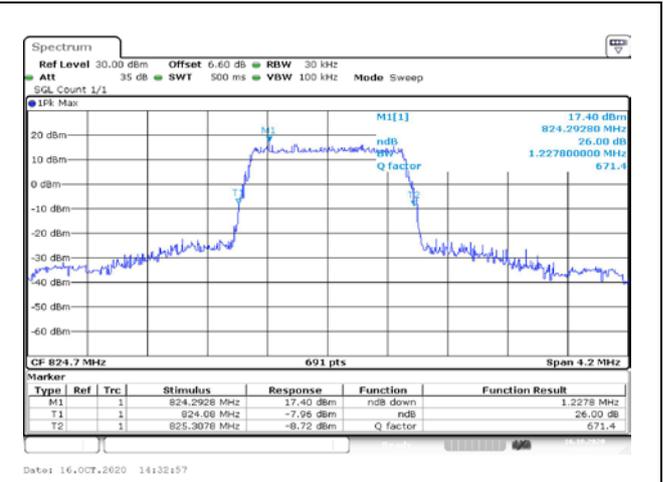


Fig.2

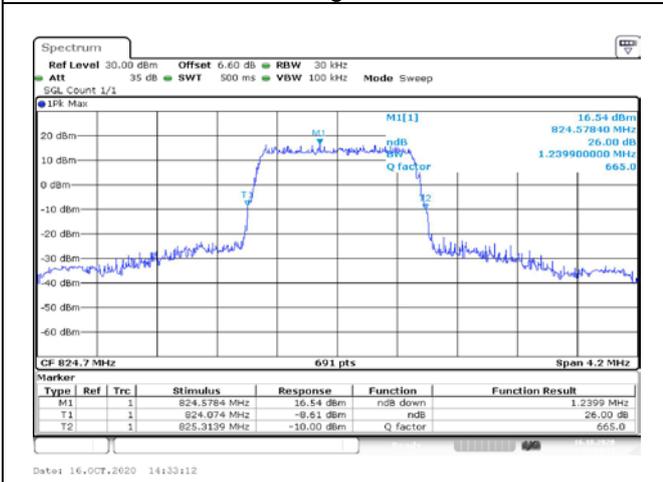


Fig.3

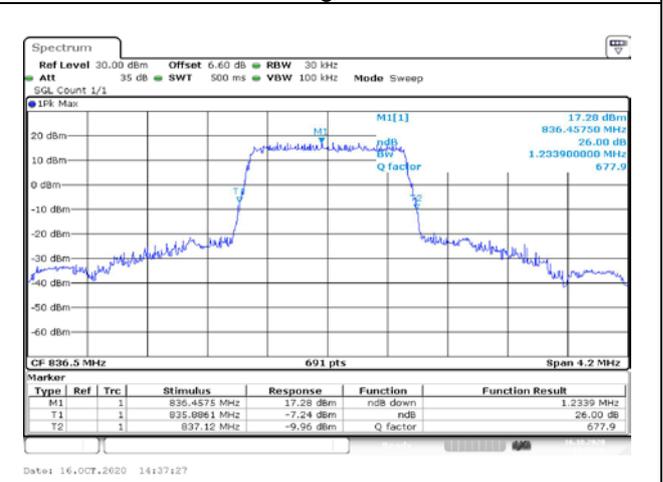


Fig.4

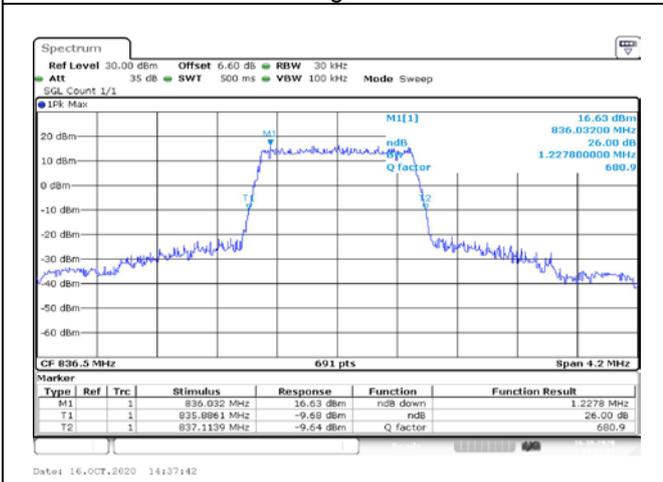


Fig.5

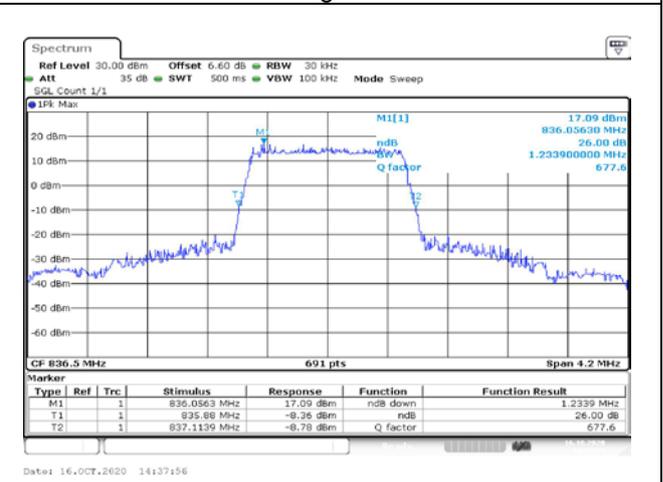


Fig.6

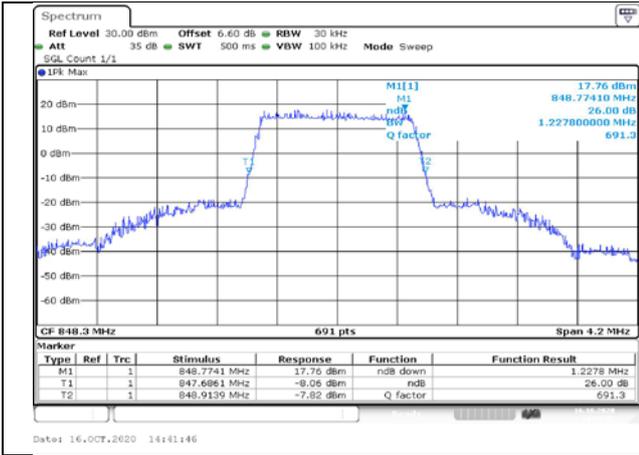


Fig.7

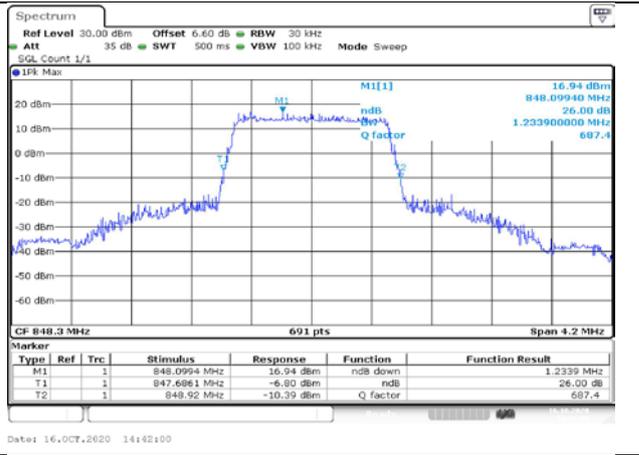


Fig.8

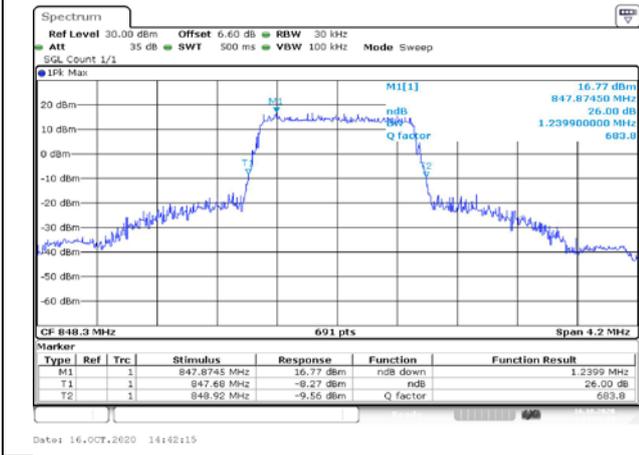


Fig.9

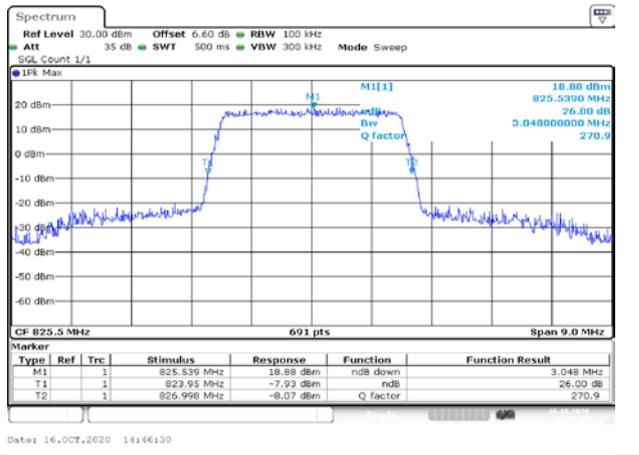


Fig.10

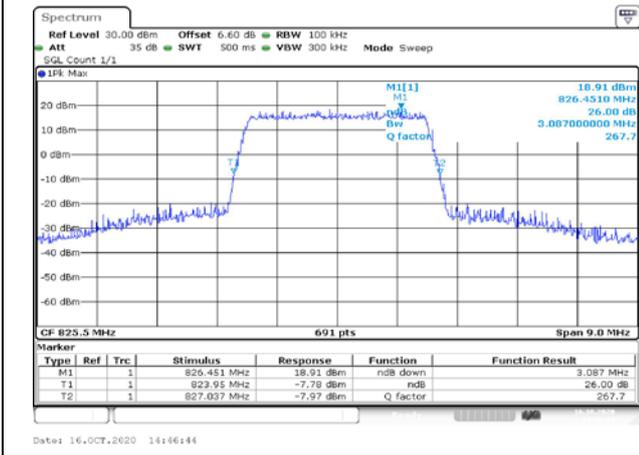


Fig.11

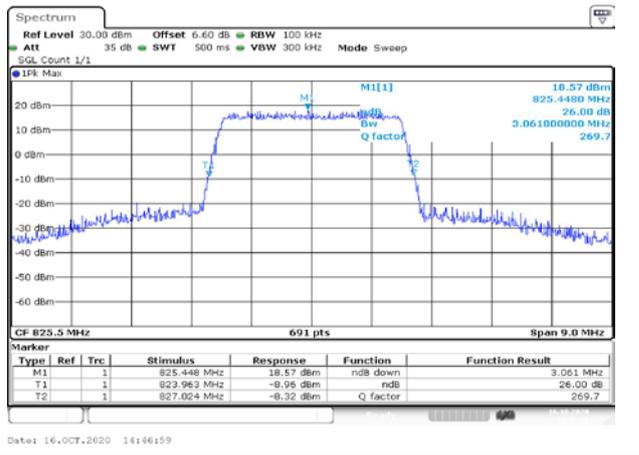


Fig.12



Fig.13

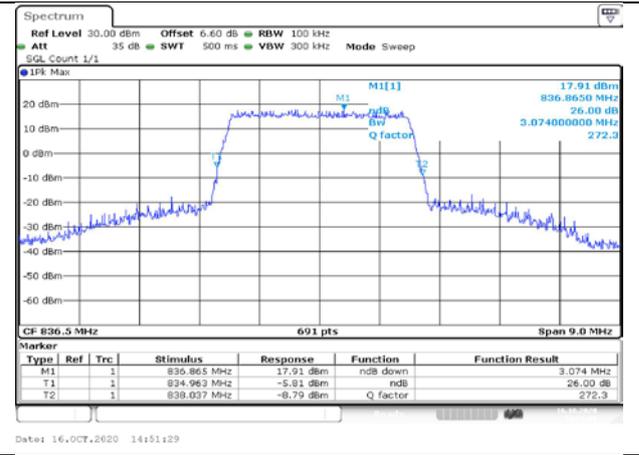


Fig.14

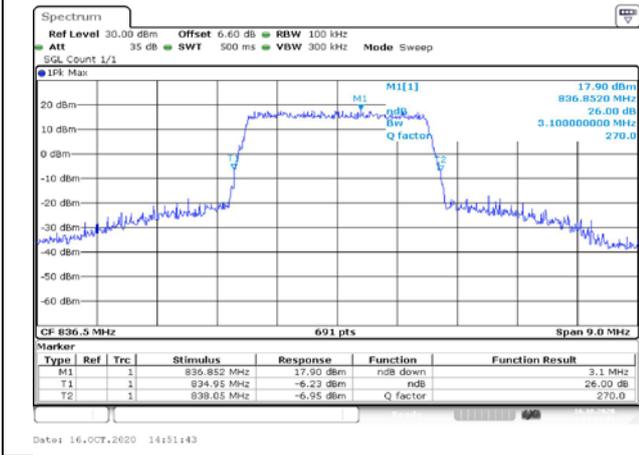


Fig.15

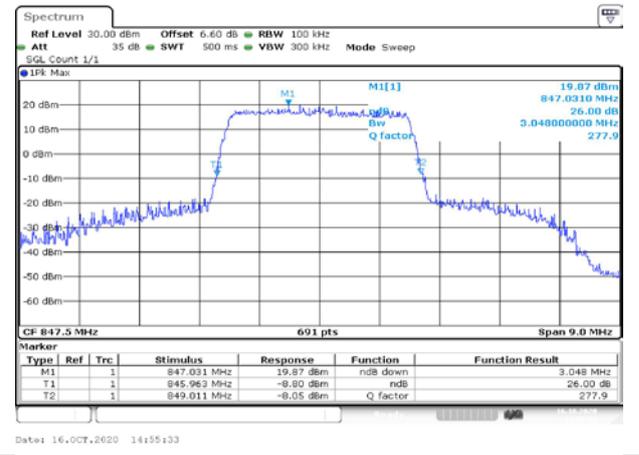


Fig.16

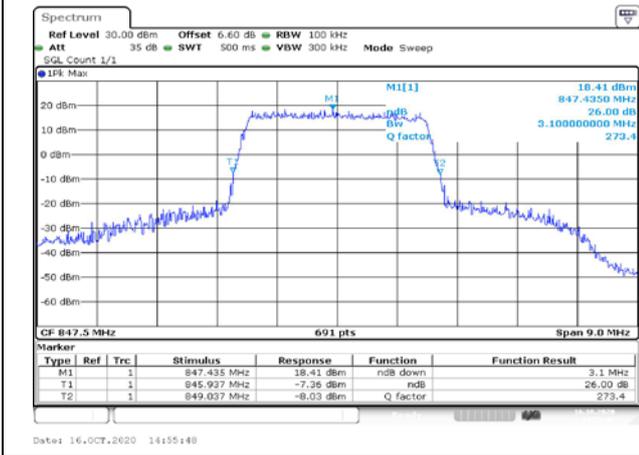


Fig.17

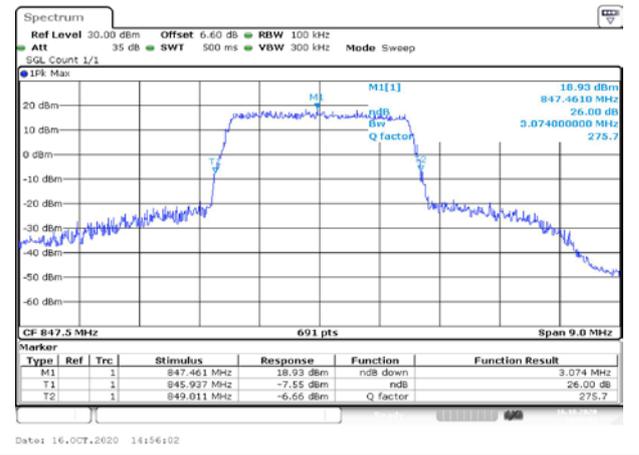


Fig.18

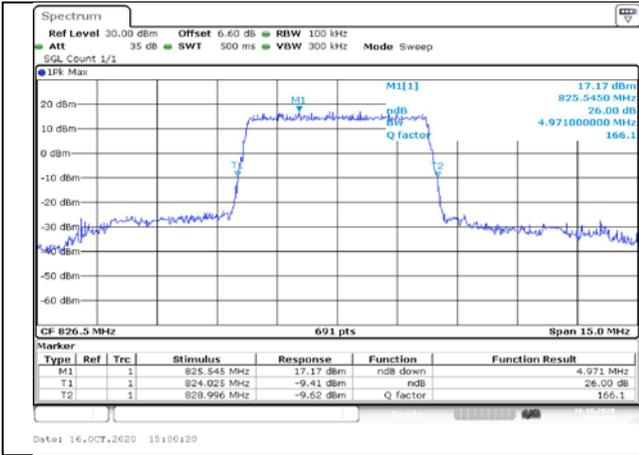


Fig.19

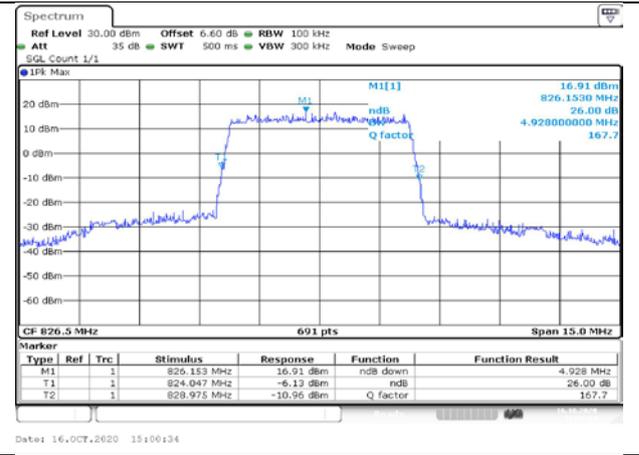


Fig.20

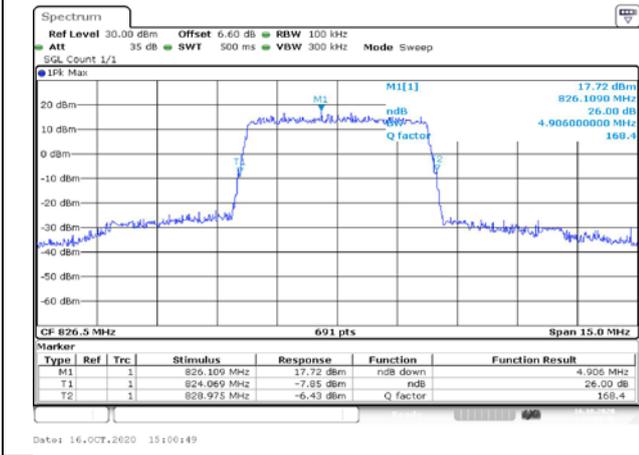


Fig.21

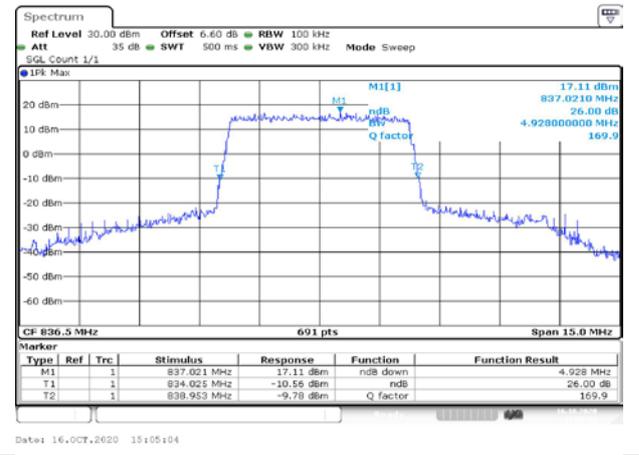


Fig.22

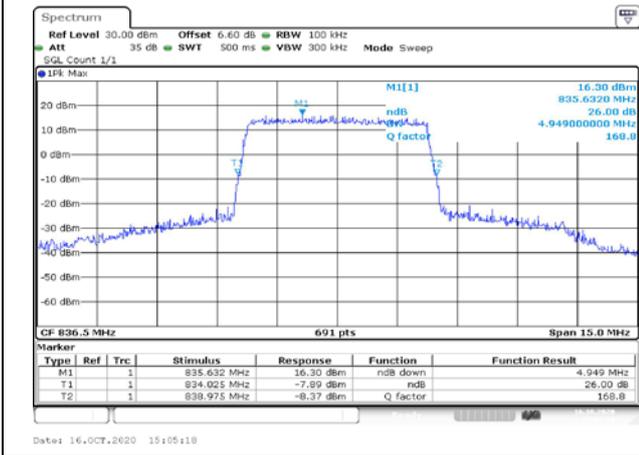


Fig.23

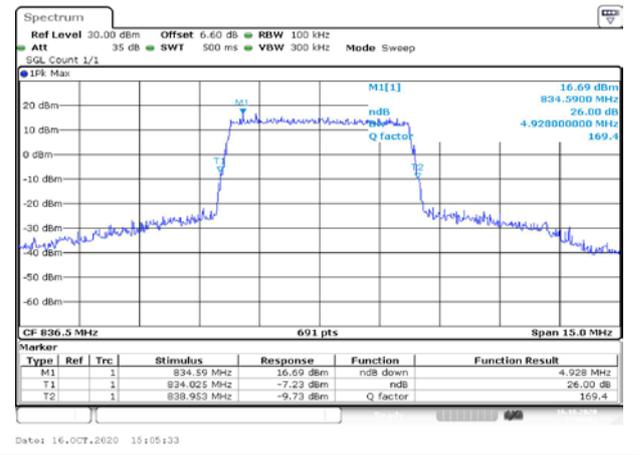


Fig.24

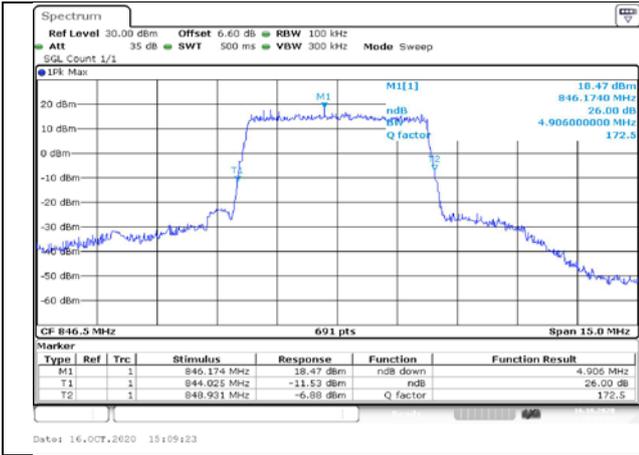


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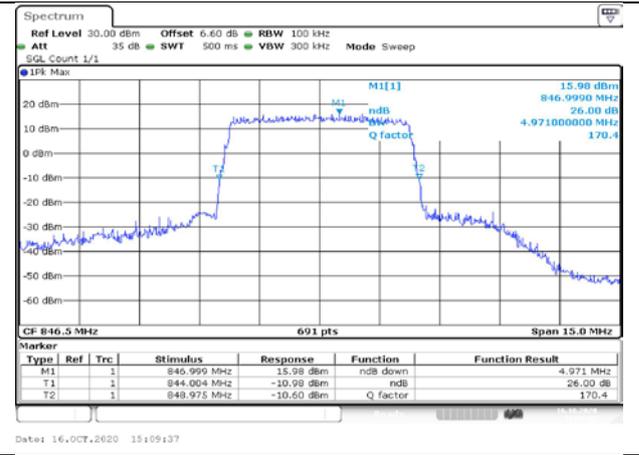


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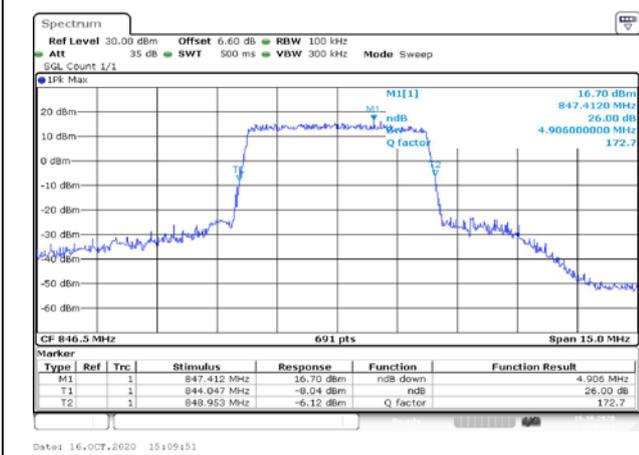


Fig.27

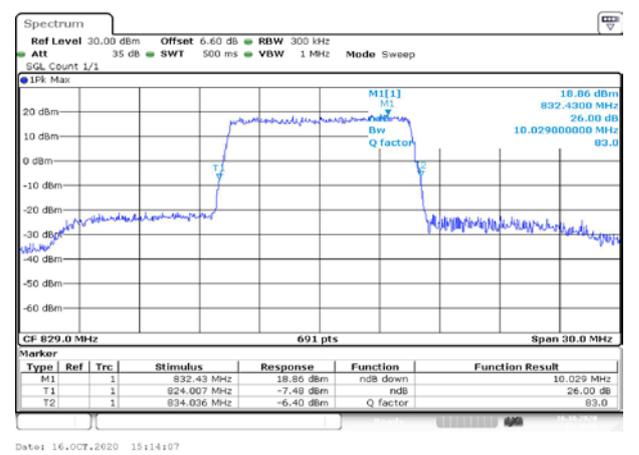


Fig.28

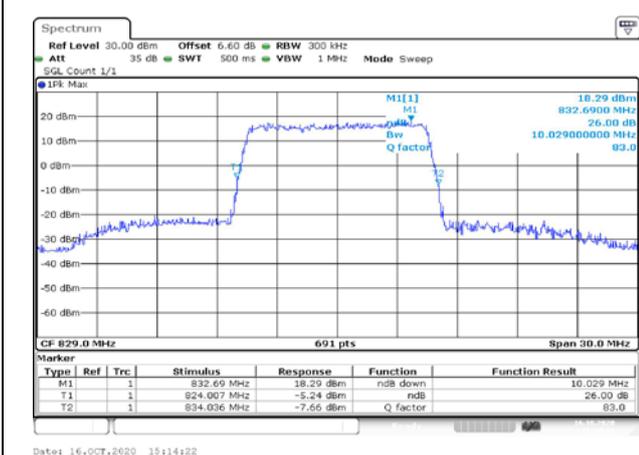


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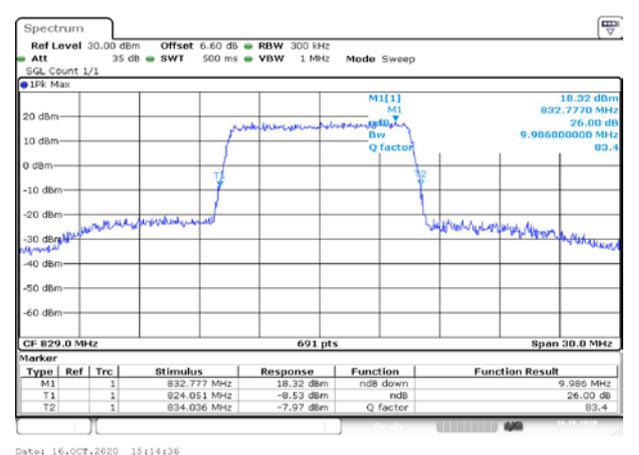


Fig.30



Fig.31

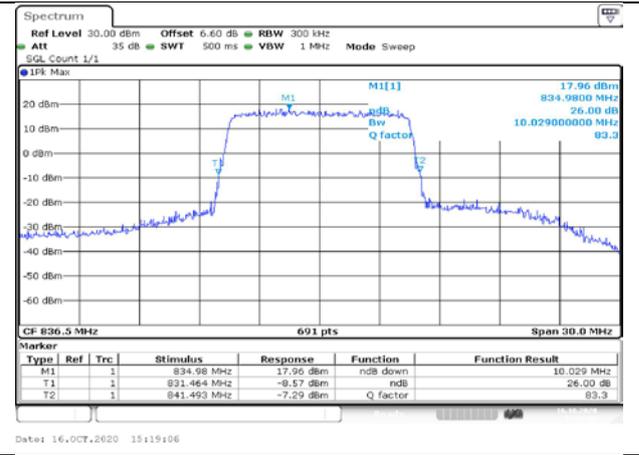


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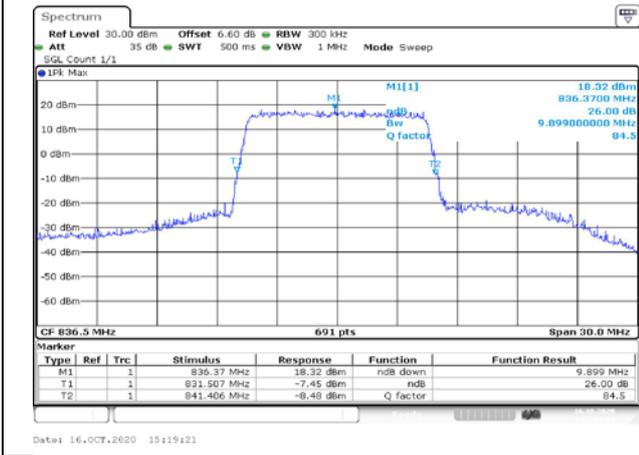


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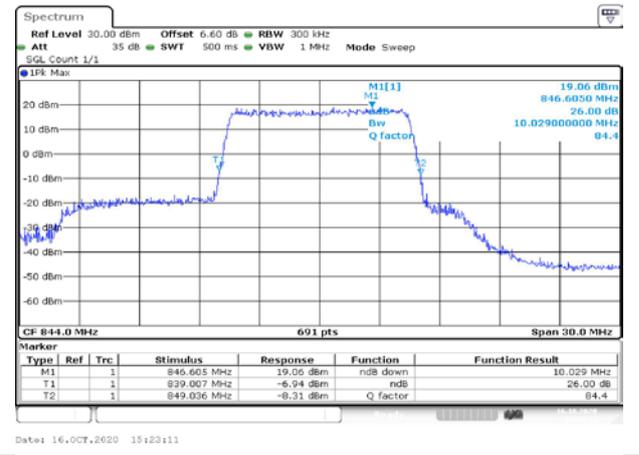


Fig.34

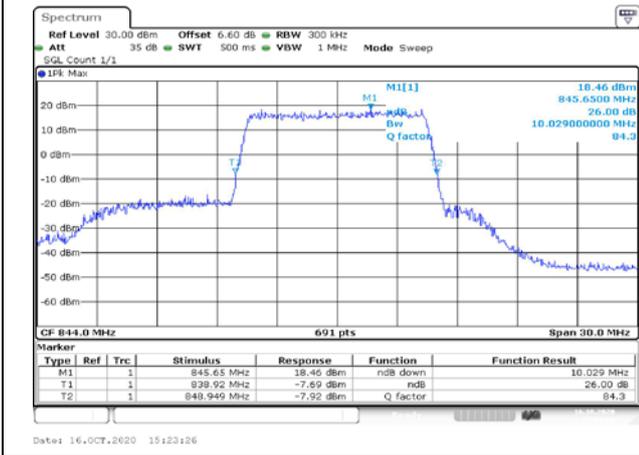


Fig.35

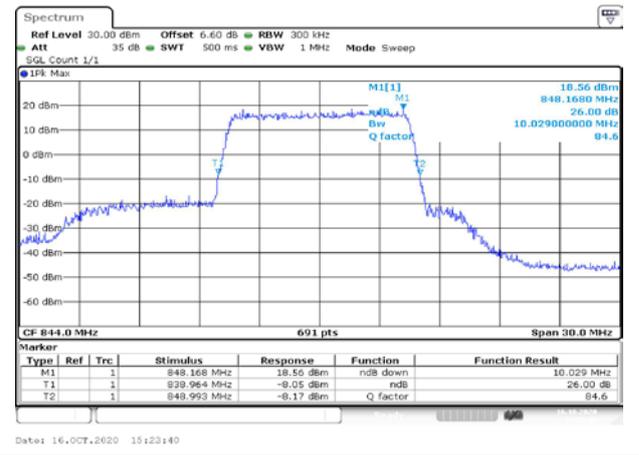


Fig.36