

## APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Variant product

Test Result

LTE Band 4

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1710.7	19957	1.4	1	0	21.78
				1	3	21.73
				1	5	21.73
				3	0	21.88
				3	1	21.90
				3	3	21.85
	6	0		20.80		
	1732.5	20175		1	0	21.65
				1	3	21.66
				1	5	21.61
				3	0	21.61
				3	1	21.71
				3	3	21.66
	1754.3	20393		6	0	21.04
				1	0	22.33
				1	3	22.30
				1	5	22.34
				3	0	21.75
3			1	21.70		
			3	3	21.74	
			6	0	20.76	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1710.7	19957	1.4	1	0	22.39
				1	3	22.34
				1	5	22.42
				3	0	22.48
				3	1	22.63
				3	3	22.55
				6	0	21.67
	1732.5	20175		1	0	22.58
				1	3	22.44
				1	5	22.48
				3	0	22.44
				3	1	22.46
				3	3	22.42
				6	0	21.41
	1754.3	20393		1	0	22.71
				1	3	22.61
				1	5	22.62
				3	0	22.64
				3	1	22.66
				3	3	22.66
				6	0	21.70

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1711.5	19965	3	1	0	21.76
				1	8	21.72
				1	14	21.76
				8	0	20.76
				8	4	20.74
				8	7	20.73
				15	0	20.80
	1732.5	20175		1	0	22.24
				1	8	22.19
				1	14	22.28
				8	0	20.53
				8	4	20.41
				8	7	20.49
				15	0	20.73
	1753.5	20385		1	0	21.67
				1	8	21.69
				1	14	21.64
				8	0	20.66
				8	4	20.65
				8	7	20.63
				15	0	20.71

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1711.5	19965	3	1	0	22.49
				1	8	22.51
				1	14	22.54
				8	0	21.56
				8	4	21.53
				8	7	21.52
				15	0	21.47
	1732.5	20175		1	0	22.45
				1	8	22.49
				1	14	22.47
				8	0	21.41
				8	4	21.43
				8	7	21.35
				15	0	21.37
	1753.5	20385		1	0	23.00
				1	8	22.97
				1	14	22.98
				8	0	21.65
				8	4	21.74
				8	7	21.64
				15	0	21.62

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1712.5	19975	5	1	0	21.11
				1	12	21.03
				1	24	20.95
				12	0	20.61
				12	7	20.60
				12	13	20.55
				25	0	20.88
	1732.5	20175		1	0	21.51
				1	12	21.57
				1	24	21.50
				12	0	20.43
				12	7	20.19
				12	13	20.36
				25	0	20.53
	1752.5	20375		1	0	21.92
				1	12	21.91
				1	24	21.99
				12	0	20.63
				12	7	20.62
				12	13	20.59
				25	0	20.85

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1712.5	19975	5	1	0	22.72
				1	12	22.65
				1	24	22.64
				12	0	21.63
				12	7	21.58
				12	13	21.50
				25	0	21.47
	1732.5	20175		1	0	22.29
				1	12	22.33
				1	24	22.35
				12	0	21.44
				12	7	21.36
				12	13	21.45
				25	0	21.51
	1752.5	20375		1	0	22.66
				1	12	22.73
				1	24	22.74
				12	0	21.62
				12	7	21.68
				12	13	21.74
				25	0	21.67

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1715	20000	10	1	0	22.52
				1	25	22.47
				1	49	22.44
				25	0	20.74
				25	12	20.76
				25	25	20.66
	1732.5	20175		50	0	20.65
				1	0	22.05
				1	25	21.94
				1	49	22.05
				25	0	20.68
				25	12	20.60
	1750	20350		25	25	20.73
				50	0	20.58
				1	0	21.92
				1	25	21.88
				1	49	22.17
				25	0	20.68
				25	12	20.84
				25	25	20.76
				50	0	20.74

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1715	20000	10	1	0	22.59
				1	25	22.51
				1	49	22.53
				25	0	21.54
				25	12	21.59
				25	25	21.44
	1732.5	20175		50	0	21.58
				1	0	22.57
				1	25	22.71
				1	49	22.72
				25	0	21.54
				25	12	21.53
	1750	20350		25	25	21.53
				50	0	21.53
				1	0	22.59
				1	25	22.51
				1	49	22.53
				25	0	21.63
				25	12	21.63
				25	25	21.64
				50	0	21.66



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1717.5	20025	15	1	0	22.51
				1	37	22.52
				1	74	22.43
				36	0	20.70
				36	29	20.69
				36	30	20.69
				75	0	20.64
	1732.5	20175		1	0	21.93
				1	37	21.90
				1	74	21.97
				36	0	20.36
				36	29	20.62
				36	30	20.61
				75	0	20.67
	1747.5	20325		1	0	21.94
				1	37	22.08
				1	74	22.14
				36	0	20.67
				36	29	20.68
				36	30	20.69
				75	0	20.69

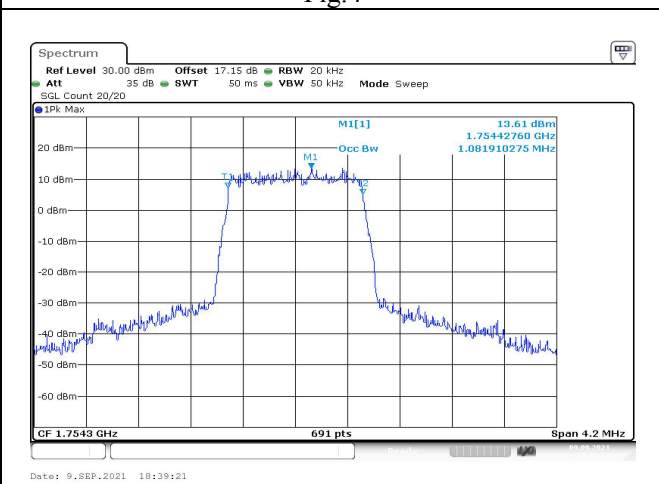
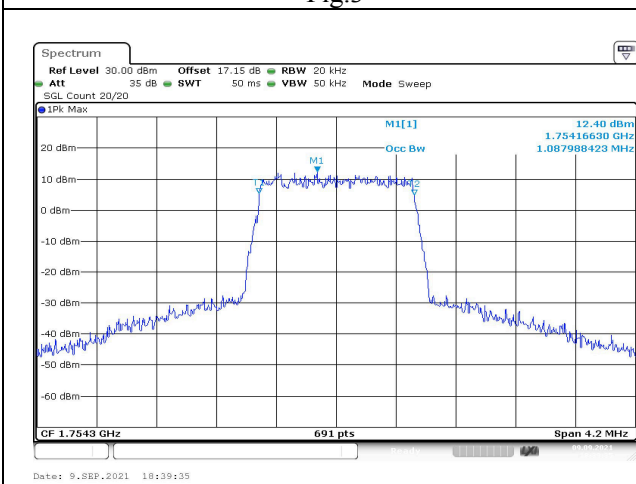
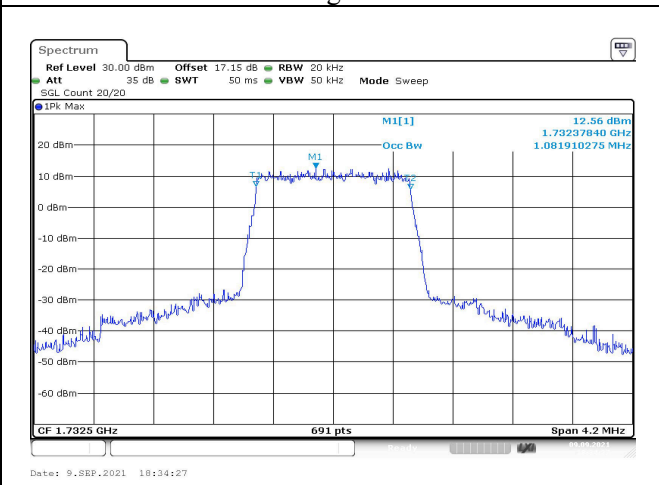
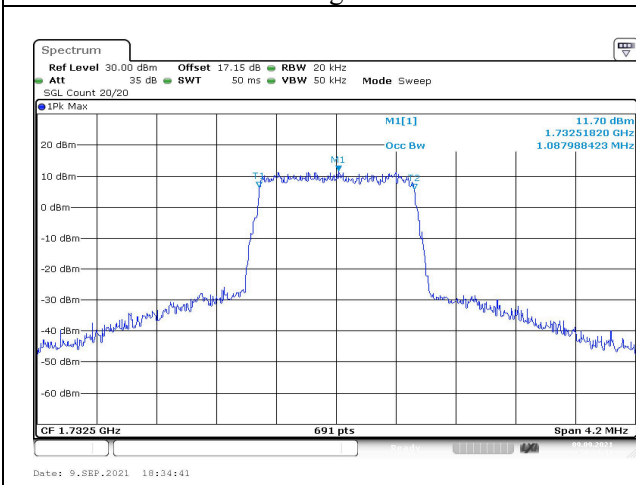
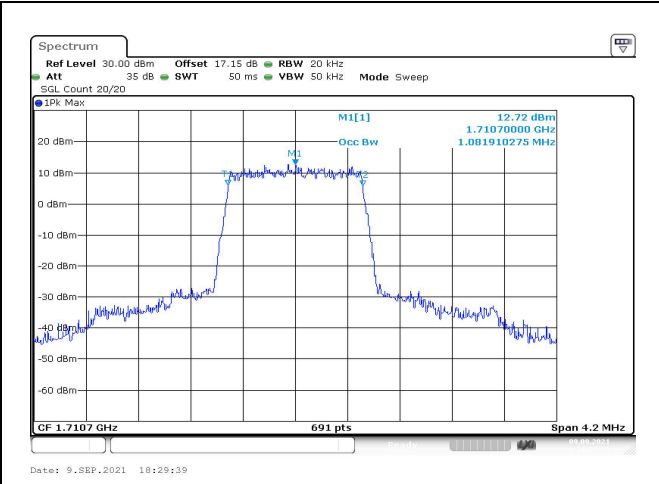
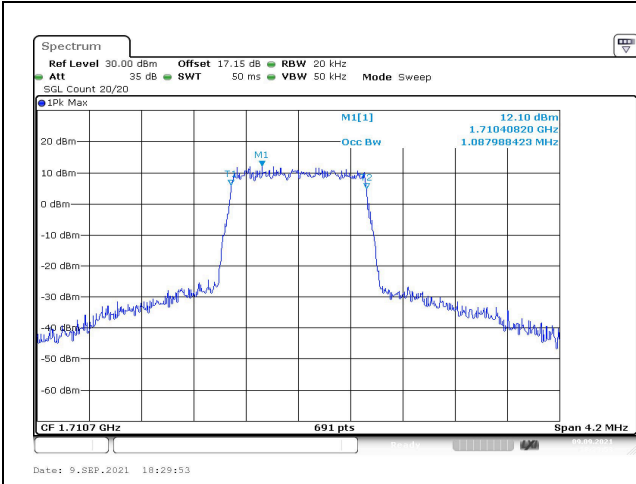
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1717.5	20025	15	1	0	22.57
				1	37	22.46
				1	74	22.46
				36	0	21.60
				36	29	21.23
				36	30	21.41
				75	0	21.46
	1732.5	20175		1	0	22.55
				1	37	22.65
				1	74	22.72
				36	0	21.41
				36	29	21.49
				36	30	21.48
				75	0	21.36
	1747.5	20325		1	0	22.25
				1	37	22.49
				1	74	22.49
				36	0	21.55
				36	29	21.61
				36	30	21.62
				75	0	21.55

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1720	20050	20	1	0	22.22
				1	49	22.02
				1	99	22.13
				50	0	20.73
				50	24	20.77
				50	50	20.55
				100	0	20.52
	1732.5	20175		1	0	21.61
				1	49	21.62
				1	99	21.61
				50	0	20.63
				50	24	20.66
				50	50	20.66
				100	0	20.65
	1745	20300		1	0	21.83
				1	49	21.88
				1	99	21.98
				50	0	20.59
				50	24	20.66
				50	50	20.72
				100	0	20.68

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1720	20050	20	1	0	22.56
				1	49	22.37
				1	99	22.37
				50	0	21.44
				50	24	21.39
				50	50	21.41
				100	0	21.44
	1732.5	20175		1	0	22.43
				1	49	22.53
				1	99	22.55
				50	0	21.43
				50	24	21.31
				50	50	21.55
				100	0	21.29
	1745	20300		1	0	22.44
				1	49	22.42
				1	99	22.64
				50	0	21.60
				50	24	21.49
				50	50	21.53
				100	0	21.76

## 2 Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
4	1710.7	19957	1.4	6	0	1.082	Fig.1	1.088	Fig.2	---	---
	1732.5	20175		6	0	1.082	Fig.3	1.088	Fig.4	---	---
	1754.3	20393		6	0	1.082	Fig.5	1.088	Fig.6	---	---
	1711.5	19965	3	15	0	2.683	Fig.7	2.683	Fig.8	---	---
	1732.5	20175		15	0	2.670	Fig.9	2.696	Fig.10	---	---
	1753.5	20385		15	0	2.683	Fig.11	2.683	Fig.12	---	---
	1712.5	19975	5	25	0	4.472	Fig.13	4.472	Fig.14	---	---
	1732.5	20175		25	0	4.472	Fig.15	4.472	Fig.16	---	---
	1752.5	20375		25	0	4.472	Fig.17	4.472	Fig.18	---	---
	1715	20000	10	50	0	8.944	Fig.19	8.944	Fig.20	---	---
	1732.5	20175		50	0	8.944	Fig.21	8.944	Fig.22	---	---
	1750	20350		50	0	8.987	Fig.23	8.944	Fig.24	---	---
	1717.5	20025	15	75	0	13.415	Fig.25	13.415	Fig.26	---	---
	1732.5	20175		75	0	13.415	Fig.27	13.415	Fig.28	---	---
	1747.5	20325		75	0	13.415	Fig.29	13.415	Fig.30	---	---
	1720	20050	20	100	0	17.887	Fig.31	17.887	Fig.32	---	---
1732.5	20175	100		0	17.887	Fig.33	17.887	Fig.34	---	---	
1745	20300	100		0	17.887	Fig.35	17.887	Fig.36	---	---	



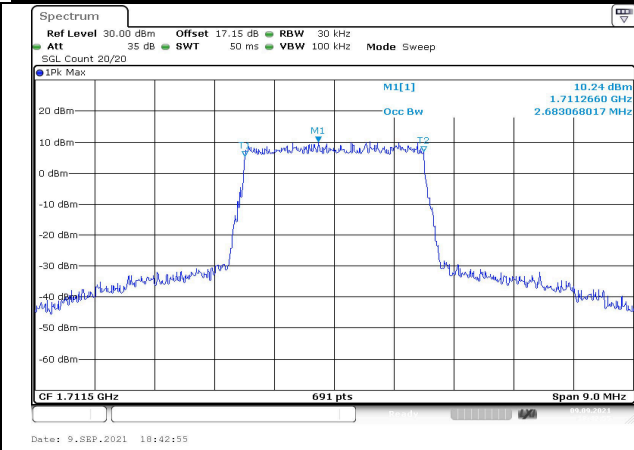


Fig.7

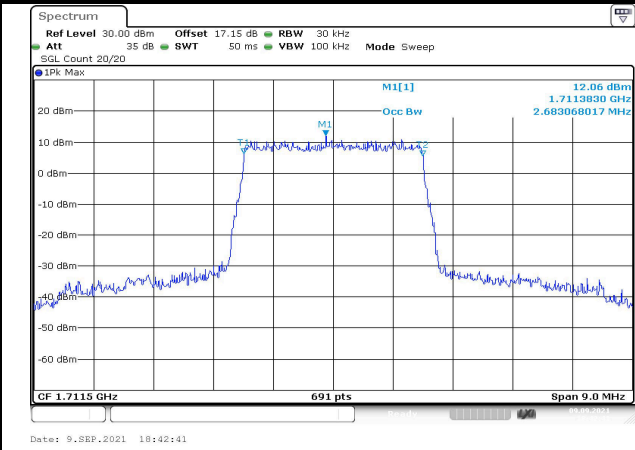


Fig.8

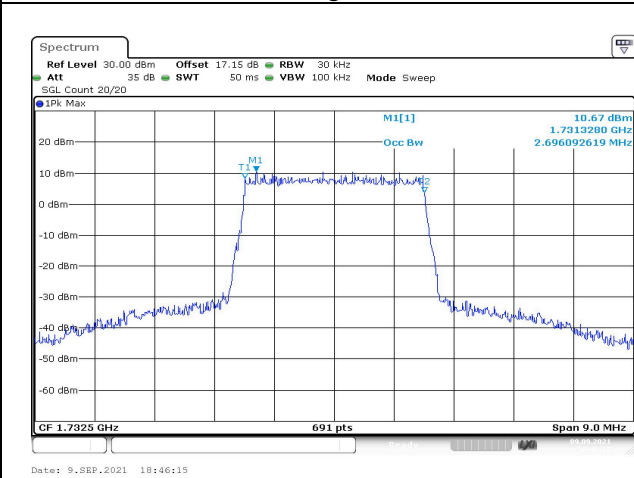


Fig.9

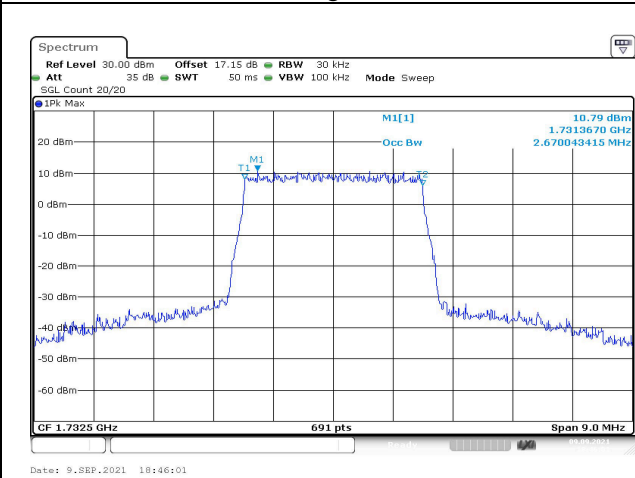


Fig.10

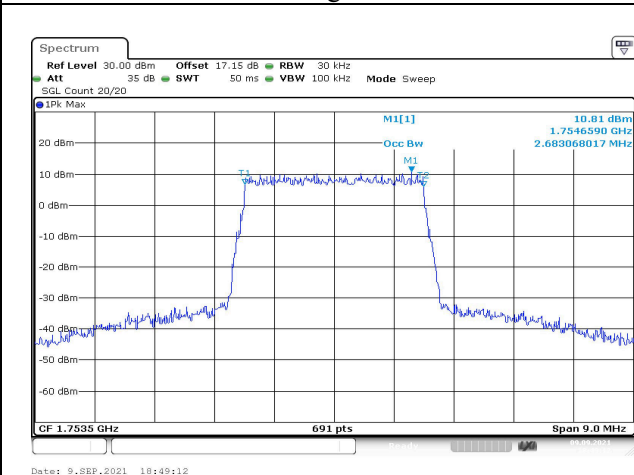


Fig.11

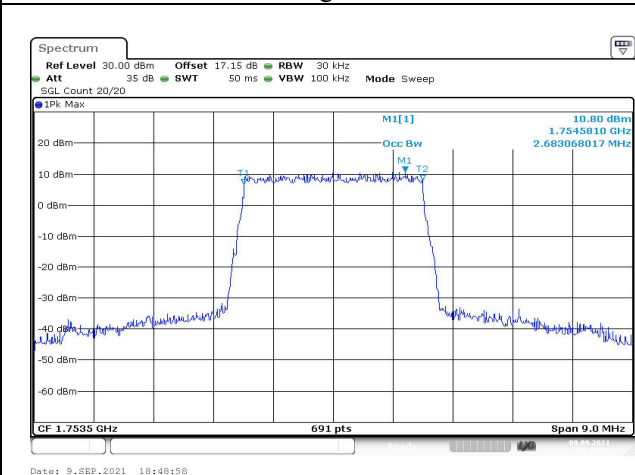


Fig.12

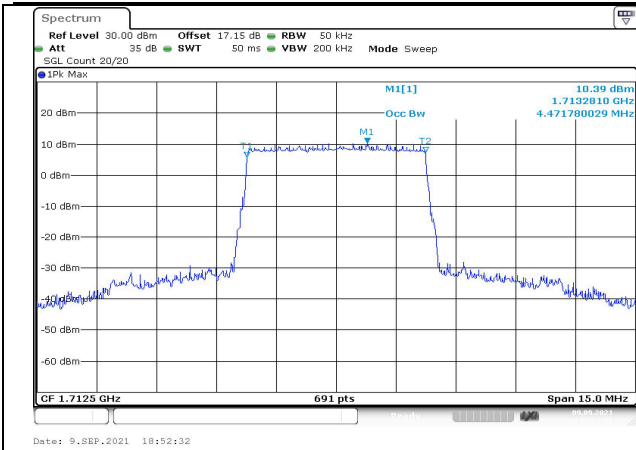


Fig.13

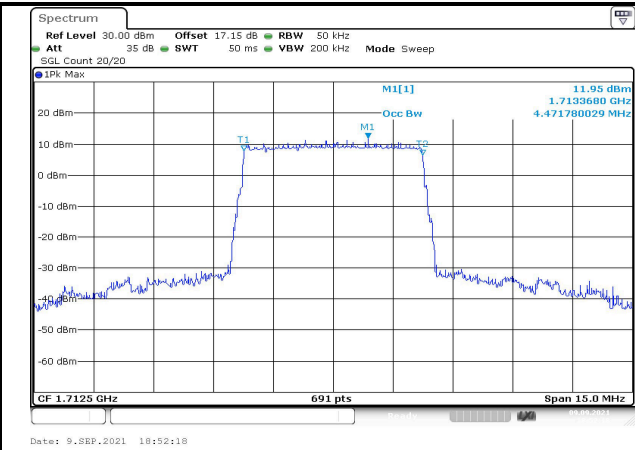


Fig.14

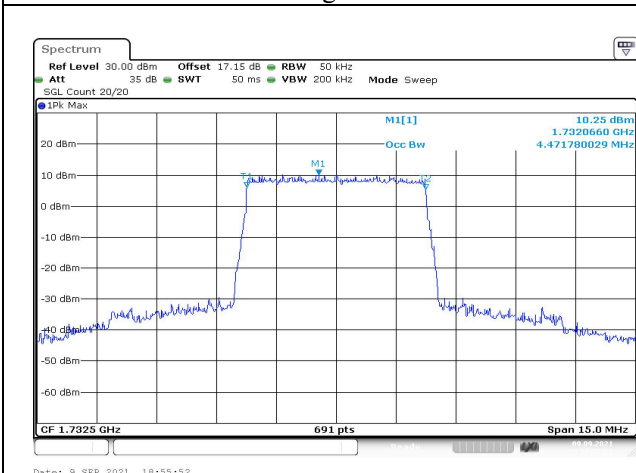


Fig.15

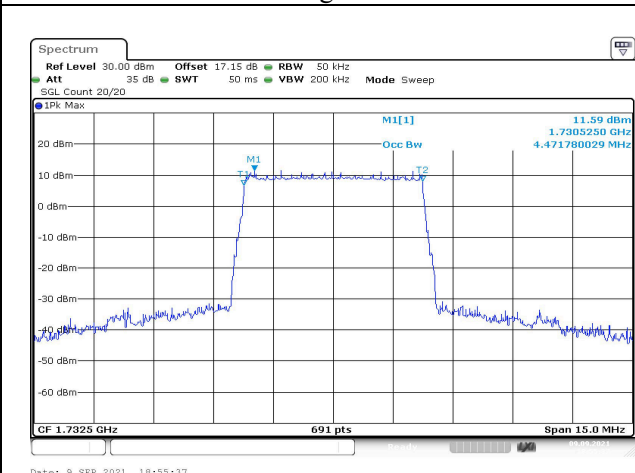


Fig.16

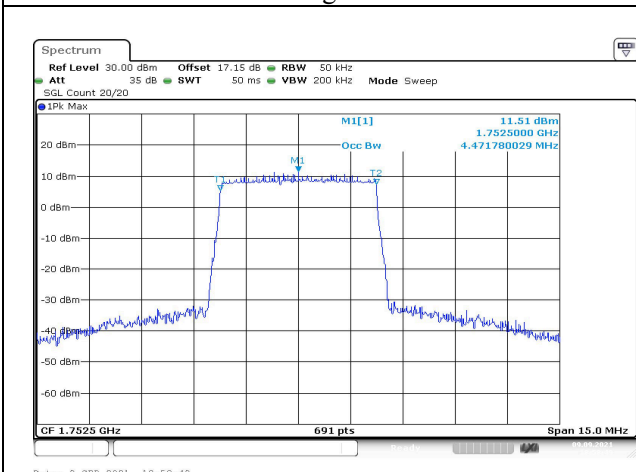


Fig.17

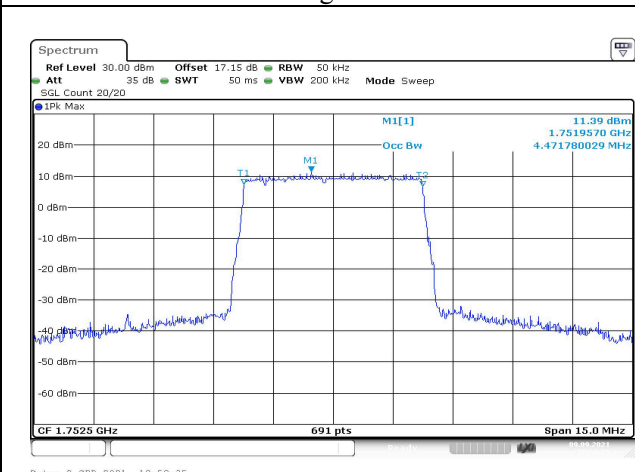


Fig.18