

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

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	22.88
16QAM	1710.7	19957	1.4	1	3	23.00
16QAM	1710.7	19957	1.4	1	5	23.00
16QAM	1710.7	19957	1.4	3	0	23.09
16QAM	1710.7	19957	1.4	3	1	23.04
16QAM	1710.7	19957	1.4	3	3	23.03
16QAM	1710.7	19957	1.4	6	0	21.96
16QAM	1732.5	20175	1.4	1	0	23.36
16QAM	1732.5	20175	1.4	1	3	23.40
16QAM	1732.5	20175	1.4	1	5	23.41
16QAM	1732.5	20175	1.4	3	0	22.71
16QAM	1732.5	20175	1.4	3	1	22.65
16QAM	1732.5	20175	1.4	3	3	22.68
16QAM	1732.5	20175	1.4	6	0	22.01
16QAM	1754.3	20393	1.4	1	0	22.79
16QAM	1754.3	20393	1.4	1	3	22.78
16QAM	1754.3	20393	1.4	1	5	22.74
16QAM	1754.3	20393	1.4	3	0	22.23
16QAM	1754.3	20393	1.4	3	1	22.26
16QAM	1754.3	20393	1.4	3	3	22.27
16QAM	1754.3	20393	1.4	6	0	21.62
64QAM	1710.7	19957	1.4	1	0	22.01
64QAM	1710.7	19957	1.4	1	3	21.97
64QAM	1710.7	19957	1.4	1	5	22.01
64QAM	1710.7	19957	1.4	3	0	22.03
64QAM	1710.7	19957	1.4	3	1	22.08
64QAM	1710.7	19957	1.4	3	3	22.04
64QAM	1710.7	19957	1.4	6	0	20.79
64QAM	1732.5	20175	1.4	1	0	21.17
64QAM	1732.5	20175	1.4	1	3	21.16
64QAM	1732.5	20175	1.4	1	5	21.25
64QAM	1732.5	20175	1.4	3	0	21.66
64QAM	1732.5	20175	1.4	3	1	21.55
64QAM	1732.5	20175	1.4	3	3	21.47
64QAM	1732.5	20175	1.4	6	0	20.83
64QAM	1754.3	20393	1.4	1	0	22.17
64QAM	1754.3	20393	1.4	1	3	22.19
64QAM	1754.3	20393	1.4	1	5	22.13
64QAM	1754.3	20393	1.4	3	0	21.94
64QAM	1754.3	20393	1.4	3	1	21.94
64QAM	1754.3	20393	1.4	3	3	21.79
64QAM	1754.3	20393	1.4	6	0	20.50

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1710.7	19957	1.4	1	0	23.12
QPSK	1710.7	19957	1.4	1	3	23.02
QPSK	1710.7	19957	1.4	1	5	23.09
QPSK	1710.7	19957	1.4	3	0	23.24
QPSK	1710.7	19957	1.4	3	1	23.29
QPSK	1710.7	19957	1.4	3	3	23.23
QPSK	1710.7	19957	1.4	6	0	22.64
QPSK	1732.5	20175	1.4	1	0	23.20
QPSK	1732.5	20175	1.4	1	3	23.37
QPSK	1732.5	20175	1.4	1	5	23.15
QPSK	1732.5	20175	1.4	3	0	23.13
QPSK	1732.5	20175	1.4	3	1	23.17
QPSK	1732.5	20175	1.4	3	3	23.07
QPSK	1732.5	20175	1.4	6	0	22.56
QPSK	1754.3	20393	1.4	1	0	23.35
QPSK	1754.3	20393	1.4	1	3	23.10
QPSK	1754.3	20393	1.4	1	5	23.12
QPSK	1754.3	20393	1.4	3	0	22.96
QPSK	1754.3	20393	1.4	3	1	23.02
QPSK	1754.3	20393	1.4	3	3	23.02
QPSK	1754.3	20393	1.4	6	0	22.62

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1711.5	19965	3	1	0	22.80
16QAM	1711.5	19965	3	1	8	22.87
16QAM	1711.5	19965	3	1	14	22.77
16QAM	1711.5	19965	3	8	0	21.81
16QAM	1711.5	19965	3	8	4	21.83
16QAM	1711.5	19965	3	8	7	21.80
16QAM	1711.5	19965	3	15	0	21.80
16QAM	1732.5	20175	3	1	0	23.02
16QAM	1732.5	20175	3	1	8	23.07
16QAM	1732.5	20175	3	1	14	23.06
16QAM	1732.5	20175	3	8	0	21.69
16QAM	1732.5	20175	3	8	4	21.71
16QAM	1732.5	20175	3	8	7	21.64
16QAM	1732.5	20175	3	15	0	21.63
16QAM	1753.5	20385	3	1	0	22.48
16QAM	1753.5	20385	3	1	8	22.36
16QAM	1753.5	20385	3	1	14	22.48
16QAM	1753.5	20385	3	8	0	21.45
16QAM	1753.5	20385	3	8	4	21.45
16QAM	1753.5	20385	3	8	7	21.44
16QAM	1753.5	20385	3	15	0	21.67
64QAM	1711.5	19965	3	1	0	22.52
64QAM	1711.5	19965	3	1	8	22.47
64QAM	1711.5	19965	3	1	14	22.32
64QAM	1711.5	19965	3	8	0	20.82
64QAM	1711.5	19965	3	8	4	20.91
64QAM	1711.5	19965	3	8	7	20.71
64QAM	1711.5	19965	3	15	0	20.86
64QAM	1732.5	20175	3	1	0	21.25
64QAM	1732.5	20175	3	1	8	21.31
64QAM	1732.5	20175	3	1	14	21.28
64QAM	1732.5	20175	3	8	0	20.66
64QAM	1732.5	20175	3	8	4	20.68
64QAM	1732.5	20175	3	8	7	20.60
64QAM	1732.5	20175	3	15	0	20.85
64QAM	1753.5	20385	3	1	0	22.97
64QAM	1753.5	20385	3	1	8	22.25
64QAM	1753.5	20385	3	1	14	22.25
64QAM	1753.5	20385	3	8	0	20.43
64QAM	1753.5	20385	3	8	4	20.53
64QAM	1753.5	20385	3	8	7	20.47
64QAM	1753.5	20385	3	15	0	20.60

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1711.5	19965	3	1	0	23.09
QPSK	1711.5	19965	3	1	8	23.21
QPSK	1711.5	19965	3	1	14	23.19
QPSK	1711.5	19965	3	8	0	22.70
QPSK	1711.5	19965	3	8	4	22.74
QPSK	1711.5	19965	3	8	7	22.62
QPSK	1711.5	19965	3	15	0	22.74
QPSK	1732.5	20175	3	1	0	23.18
QPSK	1732.5	20175	3	1	8	23.18
QPSK	1732.5	20175	3	1	14	23.21
QPSK	1732.5	20175	3	8	0	22.68
QPSK	1732.5	20175	3	8	4	22.68
QPSK	1732.5	20175	3	8	7	22.61
QPSK	1732.5	20175	3	15	0	22.63
QPSK	1753.5	20385	3	1	0	23.33
QPSK	1753.5	20385	3	1	8	23.27
QPSK	1753.5	20385	3	1	14	23.32
QPSK	1753.5	20385	3	8	0	22.52
QPSK	1753.5	20385	3	8	4	22.61
QPSK	1753.5	20385	3	8	7	22.60
QPSK	1753.5	20385	3	15	0	22.56

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1712.5	19975	5	1	0	22.18
16QAM	1712.5	19975	5	1	12	22.23
16QAM	1712.5	19975	5	1	24	22.15
16QAM	1712.5	19975	5	12	0	21.74
16QAM	1712.5	19975	5	12	7	21.45
16QAM	1712.5	19975	5	12	13	21.65
16QAM	1712.5	19975	5	25	0	21.81
16QAM	1732.5	20175	5	1	0	22.47
16QAM	1732.5	20175	5	1	12	22.53
16QAM	1732.5	20175	5	1	24	22.53
16QAM	1732.5	20175	5	12	0	21.41
16QAM	1732.5	20175	5	12	7	21.48
16QAM	1732.5	20175	5	12	13	21.45
16QAM	1732.5	20175	5	25	0	21.58
16QAM	1752.5	20375	5	1	0	22.36
16QAM	1752.5	20375	5	1	12	22.27
16QAM	1752.5	20375	5	1	24	22.29
16QAM	1752.5	20375	5	12	0	20.00
16QAM	1752.5	20375	5	12	7	21.34
16QAM	1752.5	20375	5	12	13	21.49
16QAM	1752.5	20375	5	25	0	21.61
64QAM	1712.5	19975	5	1	0	21.46
64QAM	1712.5	19975	5	1	12	21.31
64QAM	1712.5	19975	5	1	24	21.25
64QAM	1712.5	19975	5	12	0	20.97
64QAM	1712.5	19975	5	12	7	20.84
64QAM	1712.5	19975	5	12	13	20.86
64QAM	1712.5	19975	5	25	0	20.73
64QAM	1732.5	20175	5	1	0	21.69
64QAM	1732.5	20175	5	1	12	21.83
64QAM	1732.5	20175	5	1	24	21.84
64QAM	1732.5	20175	5	12	0	20.47
64QAM	1732.5	20175	5	12	7	20.55
64QAM	1732.5	20175	5	12	13	20.56
64QAM	1732.5	20175	5	25	0	20.71
64QAM	1752.5	20375	5	1	0	21.71
64QAM	1752.5	20375	5	1	12	21.77
64QAM	1752.5	20375	5	1	24	21.75
64QAM	1752.5	20375	5	12	0	20.48
64QAM	1752.5	20375	5	12	7	20.50
64QAM	1752.5	20375	5	12	13	20.43
64QAM	1752.5	20375	5	25	0	20.72

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1712.5	19975	5	1	0	23.31
QPSK	1712.5	19975	5	1	12	23.27
QPSK	1712.5	19975	5	1	24	23.22
QPSK	1712.5	19975	5	12	0	22.76
QPSK	1712.5	19975	5	12	7	22.72
QPSK	1712.5	19975	5	12	13	22.68
QPSK	1712.5	19975	5	25	0	22.74
QPSK	1732.5	20175	5	1	0	22.86
QPSK	1732.5	20175	5	1	12	22.91
QPSK	1732.5	20175	5	1	24	22.96
QPSK	1732.5	20175	5	12	0	22.55
QPSK	1732.5	20175	5	12	7	22.62
QPSK	1732.5	20175	5	12	13	22.53
QPSK	1732.5	20175	5	25	0	22.59
QPSK	1752.5	20375	5	1	0	23.24
QPSK	1752.5	20375	5	1	12	23.18
QPSK	1752.5	20375	5	1	24	23.27
QPSK	1752.5	20375	5	12	0	22.60
QPSK	1752.5	20375	5	12	7	22.64
QPSK	1752.5	20375	5	12	13	22.56
QPSK	1752.5	20375	5	25	0	22.58

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1715	20000	10	1	0	23.15
16QAM	1715	20000	10	1	25	23.00
16QAM	1715	20000	10	1	49	22.89
16QAM	1715	20000	10	25	0	21.86
16QAM	1715	20000	10	25	12	21.89
16QAM	1715	20000	10	25	25	21.90
16QAM	1715	20000	10	50	0	21.70
16QAM	1732.5	20175	10	1	0	22.71
16QAM	1732.5	20175	10	1	25	22.64
16QAM	1732.5	20175	10	1	49	22.69
16QAM	1732.5	20175	10	25	0	21.61
16QAM	1732.5	20175	10	25	12	21.66
16QAM	1732.5	20175	10	25	25	21.62
16QAM	1732.5	20175	10	50	0	21.71
16QAM	1750	20350	10	1	0	20.88
16QAM	1750	20350	10	1	25	23.03
16QAM	1750	20350	10	1	49	23.02
16QAM	1750	20350	10	25	0	21.52
16QAM	1750	20350	10	25	12	21.48
16QAM	1750	20350	10	25	25	21.54
16QAM	1750	20350	10	50	0	21.67
64QAM	1715	20000	10	1	0	21.99
64QAM	1715	20000	10	1	25	21.99
64QAM	1715	20000	10	1	49	22.05
64QAM	1715	20000	10	25	0	20.70
64QAM	1715	20000	10	25	12	20.75
64QAM	1715	20000	10	25	25	20.73
64QAM	1715	20000	10	50	0	20.79
64QAM	1732.5	20175	10	1	0	22.35
64QAM	1732.5	20175	10	1	25	22.28
64QAM	1732.5	20175	10	1	49	22.25
64QAM	1732.5	20175	10	25	0	20.62
64QAM	1732.5	20175	10	25	12	20.68
64QAM	1732.5	20175	10	25	25	20.60
64QAM	1732.5	20175	10	50	0	20.73
64QAM	1750	20350	10	1	0	21.19
64QAM	1750	20350	10	1	25	21.26
64QAM	1750	20350	10	1	49	21.11
64QAM	1750	20350	10	25	0	20.76
64QAM	1750	20350	10	25	12	20.70
64QAM	1750	20350	10	25	25	20.70
64QAM	1750	20350	10	50	0	20.54

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1715	20000	10	1	0	23.31
QPSK	1715	20000	10	1	25	23.20
QPSK	1715	20000	10	1	49	23.20
QPSK	1715	20000	10	25	0	22.73
QPSK	1715	20000	10	25	12	22.71
QPSK	1715	20000	10	25	25	22.70
QPSK	1715	20000	10	50	0	22.66
QPSK	1732.5	20175	10	1	0	23.18
QPSK	1732.5	20175	10	1	25	23.08
QPSK	1732.5	20175	10	1	49	23.14
QPSK	1732.5	20175	10	25	0	22.54
QPSK	1732.5	20175	10	25	12	22.65
QPSK	1732.5	20175	10	25	25	22.54
QPSK	1732.5	20175	10	50	0	22.52
QPSK	1750	20350	10	1	0	23.01
QPSK	1750	20350	10	1	25	23.09
QPSK	1750	20350	10	1	49	23.12
QPSK	1750	20350	10	25	0	22.49
QPSK	1750	20350	10	25	12	22.47
QPSK	1750	20350	10	25	25	22.55
QPSK	1750	20350	10	50	0	22.43

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1717.5	20025	15	1	0	23.74
16QAM	1717.5	20025	15	1	37	23.49
16QAM	1717.5	20025	15	1	74	23.44
16QAM	1717.5	20025	15	36	0	21.81
16QAM	1717.5	20025	15	36	29	21.75
16QAM	1717.5	20025	15	36	30	21.77
16QAM	1717.5	20025	15	75	0	21.77
16QAM	1732.5	20175	15	1	0	23.06
16QAM	1732.5	20175	15	1	37	22.97
16QAM	1732.5	20175	15	1	74	23.03
16QAM	1732.5	20175	15	36	0	21.77
16QAM	1732.5	20175	15	36	29	21.71
16QAM	1732.5	20175	15	36	30	21.67
16QAM	1732.5	20175	15	75	0	21.73
16QAM	1747.5	20325	15	1	0	20.63
16QAM	1747.5	20325	15	1	37	22.60
16QAM	1747.5	20325	15	1	74	22.67
16QAM	1747.5	20325	15	36	0	21.49
16QAM	1747.5	20325	15	36	29	21.55
16QAM	1747.5	20325	15	36	30	20.35
16QAM	1747.5	20325	15	75	0	21.50
64QAM	1717.5	20025	15	1	0	22.33
64QAM	1717.5	20025	15	1	37	22.26
64QAM	1717.5	20025	15	1	74	22.29
64QAM	1717.5	20025	15	36	0	20.72
64QAM	1717.5	20025	15	36	29	20.70
64QAM	1717.5	20025	15	36	30	20.71
64QAM	1717.5	20025	15	75	0	20.74
64QAM	1732.5	20175	15	1	0	21.39
64QAM	1732.5	20175	15	1	37	21.33
64QAM	1732.5	20175	15	1	74	21.35
64QAM	1732.5	20175	15	36	0	20.95
64QAM	1732.5	20175	15	36	29	20.79
64QAM	1732.5	20175	15	36	30	20.79
64QAM	1732.5	20175	15	75	0	20.70
64QAM	1747.5	20325	15	1	0	22.29
64QAM	1747.5	20325	15	1	37	22.23
64QAM	1747.5	20325	15	1	74	22.26
64QAM	1747.5	20325	15	36	0	20.51
64QAM	1747.5	20325	15	36	29	20.54
64QAM	1747.5	20325	15	36	30	20.55
64QAM	1747.5	20325	15	75	0	20.65

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1717.5	20025	15	1	0	23.30
QPSK	1717.5	20025	15	1	37	23.25
QPSK	1717.5	20025	15	1	74	23.20
QPSK	1717.5	20025	15	36	0	22.71
QPSK	1717.5	20025	15	36	29	22.64
QPSK	1717.5	20025	15	36	30	22.64
QPSK	1717.5	20025	15	75	0	22.66
QPSK	1732.5	20175	15	1	0	23.32
QPSK	1732.5	20175	15	1	37	23.24
QPSK	1732.5	20175	15	1	74	23.22
QPSK	1732.5	20175	15	36	0	22.62
QPSK	1732.5	20175	15	36	29	22.61
QPSK	1732.5	20175	15	36	30	22.63
QPSK	1732.5	20175	15	75	0	22.59
QPSK	1747.5	20325	15	1	0	22.75
QPSK	1747.5	20325	15	1	37	22.75
QPSK	1747.5	20325	15	1	74	22.84
QPSK	1747.5	20325	15	36	0	22.49
QPSK	1747.5	20325	15	36	29	22.48
QPSK	1747.5	20325	15	36	30	22.50
QPSK	1747.5	20325	15	75	0	20.34

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1720	20050	20	1	0	23.06
16QAM	1720	20050	20	1	49	23.01
16QAM	1720	20050	20	1	99	22.94
16QAM	1720	20050	20	50	0	21.67
16QAM	1720	20050	20	50	24	21.72
16QAM	1720	20050	20	50	50	21.66
16QAM	1720	20050	20	100	0	21.73
16QAM	1732.5	20175	20	1	0	23.22
16QAM	1732.5	20175	20	1	49	23.17
16QAM	1732.5	20175	20	1	99	23.22
16QAM	1732.5	20175	20	50	0	21.78
16QAM	1732.5	20175	20	50	24	21.78
16QAM	1732.5	20175	20	50	50	21.63
16QAM	1732.5	20175	20	100	0	21.60
16QAM	1745	20300	20	1	0	22.56
16QAM	1745	20300	20	1	49	22.57
16QAM	1745	20300	20	1	99	22.52
16QAM	1745	20300	20	50	0	21.59
16QAM	1745	20300	20	50	24	21.57
16QAM	1745	20300	20	50	50	20.66
16QAM	1745	20300	20	100	0	21.47
64QAM	1720	20050	20	1	0	22.74
64QAM	1720	20050	20	1	49	22.56
64QAM	1720	20050	20	1	99	22.52
64QAM	1720	20050	20	50	0	20.86
64QAM	1720	20050	20	50	24	20.80
64QAM	1720	20050	20	50	50	20.76
64QAM	1720	20050	20	100	0	20.79
64QAM	1732.5	20175	20	1	0	22.75
64QAM	1732.5	20175	20	1	49	21.80
64QAM	1732.5	20175	20	1	99	21.74
64QAM	1732.5	20175	20	50	0	20.71
64QAM	1732.5	20175	20	50	24	20.72
64QAM	1732.5	20175	20	50	50	20.67
64QAM	1732.5	20175	20	100	0	20.59
64QAM	1745	20300	20	1	0	21.91
64QAM	1745	20300	20	1	49	21.88
64QAM	1745	20300	20	1	99	21.98
64QAM	1745	20300	20	50	0	20.54
64QAM	1745	20300	20	50	24	20.57
64QAM	1745	20300	20	50	50	20.64
64QAM	1745	20300	20	100	0	20.52

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1720	20050	20	1	0	23.13
QPSK	1720	20050	20	1	49	23.06
QPSK	1720	20050	20	1	99	23.06
QPSK	1720	20050	20	50	0	22.61
QPSK	1720	20050	20	50	24	22.58
QPSK	1720	20050	20	50	50	22.56
QPSK	1720	20050	20	100	0	22.66
QPSK	1732.5	20175	20	1	0	23.06
QPSK	1732.5	20175	20	1	49	22.97
QPSK	1732.5	20175	20	1	99	23.00
QPSK	1732.5	20175	20	50	0	22.68
QPSK	1732.5	20175	20	50	24	22.68
QPSK	1732.5	20175	20	50	50	22.58
QPSK	1732.5	20175	20	100	0	22.60
QPSK	1745	20300	20	1	0	22.94
QPSK	1745	20300	20	1	49	23.01
QPSK	1745	20300	20	1	99	23.13
QPSK	1745	20300	20	50	0	22.55
QPSK	1745	20300	20	50	24	22.56
QPSK	1745	20300	20	50	50	22.44
QPSK	1745	20300	20	100	0	20.46

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
Band 4	QPSK	1710.7	19957	1.4	6	0	1.076	Fig.1
Band 4	QPSK	1732.5	20175	1.4	6	0	1.088	Fig.2
Band 4	QPSK	1754.3	20393	1.4	6	0	1.082	Fig.3
Band 4	QPSK	1711.5	19965	3	15	0	2.683	Fig.4
Band 4	QPSK	1732.5	20175	3	15	0	2.683	Fig.5
Band 4	QPSK	1753.5	20385	3	15	0	2.683	Fig.6
Band 4	QPSK	1712.5	19975	5	25	0	4.472	Fig.7
Band 4	QPSK	1732.5	20175	5	25	0	4.472	Fig.8
Band 4	QPSK	1752.5	20375	5	25	0	4.472	Fig.9
Band 4	QPSK	1715	20000	10	50	0	8.944	Fig.10
Band 4	QPSK	1732.5	20175	10	50	0	8.944	Fig.11
Band 4	QPSK	1750	20350	10	50	0	8.987	Fig.12
Band 4	QPSK	1717.5	20025	15	75	0	13.415	Fig.13
Band 4	QPSK	1732.5	20175	15	75	0	13.415	Fig.14
Band 4	QPSK	1747.5	20325	15	75	0	13.415	Fig.15
Band 4	QPSK	1720	20050	20	100	0	17.887	Fig.16
Band 4	QPSK	1732.5	20175	20	100	0	17.887	Fig.17
Band 4	QPSK	1745	20300	20	100	0	17.887	Fig.18

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
Band 4	16QAM	1710.7	19957	1.4	6	0	1.082	Fig.19
Band 4	16QAM	1732.5	20175	1.4	6	0	1.082	Fig.20
Band 4	16QAM	1754.3	20393	1.4	6	0	1.082	Fig.21
Band 4	16QAM	1711.5	19965	3	15	0	2.683	Fig.22
Band 4	16QAM	1732.5	20175	3	15	0	2.683	Fig.23
Band 4	16QAM	1753.5	20385	3	15	0	2.683	Fig.24
Band 4	16QAM	1712.5	19975	5	25	0	4.472	Fig.25
Band 4	16QAM	1732.5	20175	5	25	0	4.472	Fig.26
Band 4	16QAM	1752.5	20375	5	25	0	4.472	Fig.27
Band 4	16QAM	1715	20000	10	50	0	8.944	Fig.28
Band 4	16QAM	1732.5	20175	10	50	0	8.944	Fig.29
Band 4	16QAM	1750	20350	10	50	0	8.944	Fig.30
Band 4	16QAM	1717.5	20025	15	75	0	13.415	Fig.31
Band 4	16QAM	1732.5	20175	15	75	0	13.415	Fig.32
Band 4	16QAM	1747.5	20325	15	75	0	13.480	Fig.33
Band 4	16QAM	1720	20050	20	100	0	17.887	Fig.34
Band 4	16QAM	1732.5	20175	20	100	0	17.887	Fig.35
Band 4	16QAM	1745	20300	20	100	0	17.887	Fig.36

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
Band 4	64QAM	1710.7	19957	1.4	6	0	1.076	Fig.37
Band 4	64QAM	1732.5	20175	1.4	6	0	1.076	Fig.38
Band 4	64QAM	1754.3	20393	1.4	6	0	1.082	Fig.39
Band 4	64QAM	1711.5	19965	3	15	0	2.683	Fig.40
Band 4	64QAM	1732.5	20175	3	15	0	2.683	Fig.41
Band 4	64QAM	1753.5	20385	3	15	0	2.683	Fig.42
Band 4	64QAM	1712.5	19975	5	25	0	4.472	Fig.43
Band 4	64QAM	1732.5	20175	5	25	0	4.472	Fig.44
Band 4	64QAM	1752.5	20375	5	25	0	4.472	Fig.45
Band 4	64QAM	1715	20000	10	50	0	8.944	Fig.46
Band 4	64QAM	1732.5	20175	10	50	0	8.944	Fig.47
Band 4	64QAM	1750	20350	10	50	0	8.944	Fig.48
Band 4	64QAM	1717.5	20025	15	75	0	13.415	Fig.49
Band 4	64QAM	1732.5	20175	15	75	0	13.415	Fig.50
Band 4	64QAM	1747.5	20325	15	75	0	13.415	Fig.51
Band 4	64QAM	1720	20050	20	100	0	17.887	Fig.52
Band 4	64QAM	1732.5	20175	20	100	0	17.887	Fig.53
Band 4	64QAM	1745	20300	20	100	0	17.887	Fig.54

Test Mode: QPSK

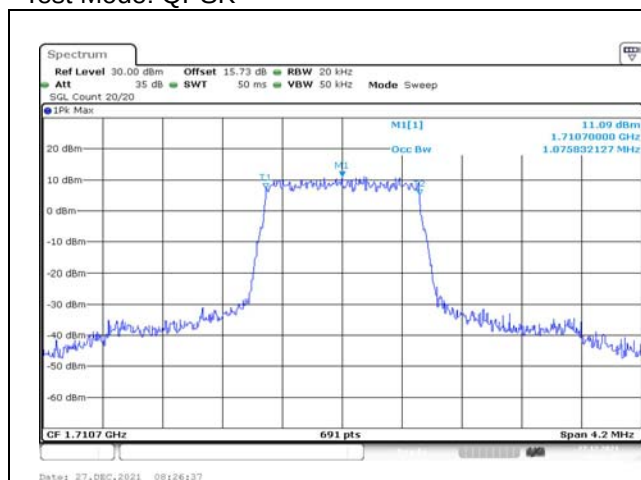


Fig.1

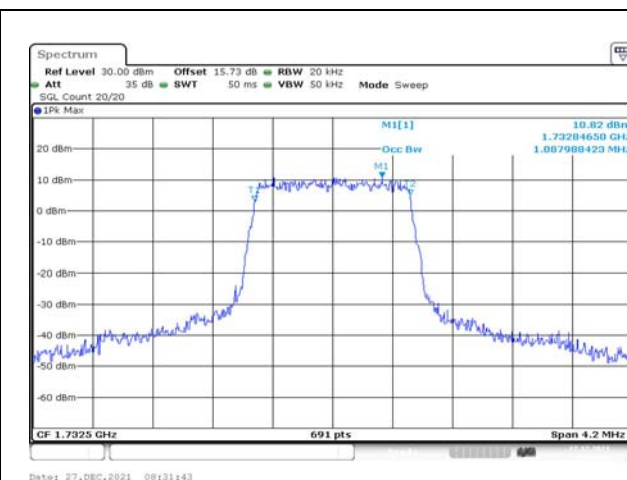
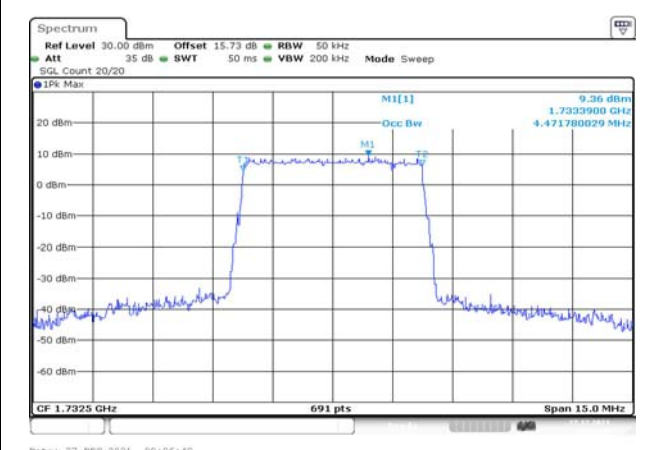
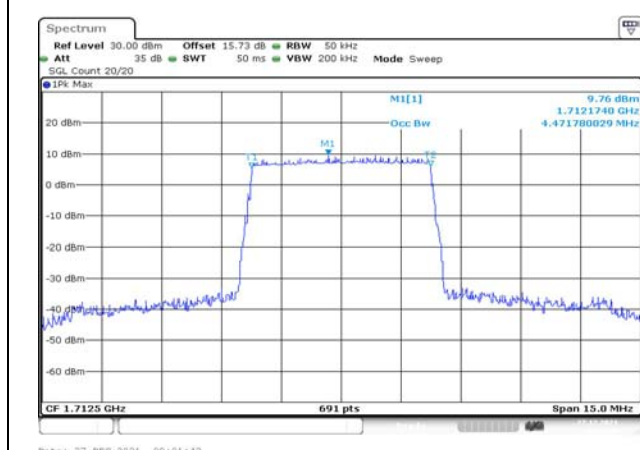
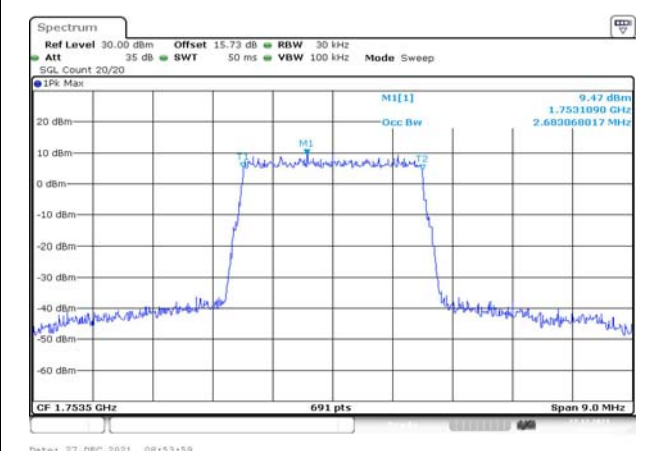
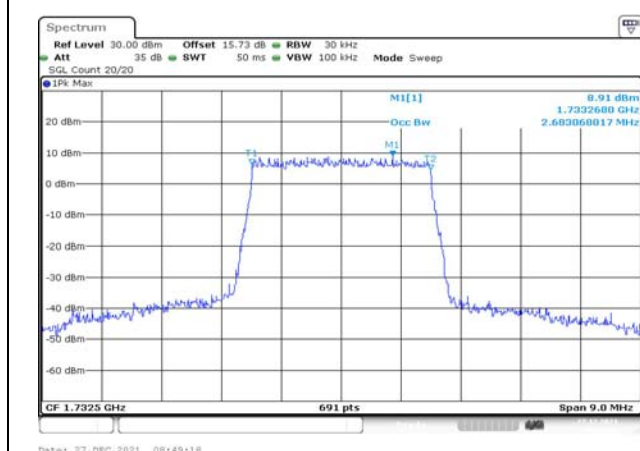
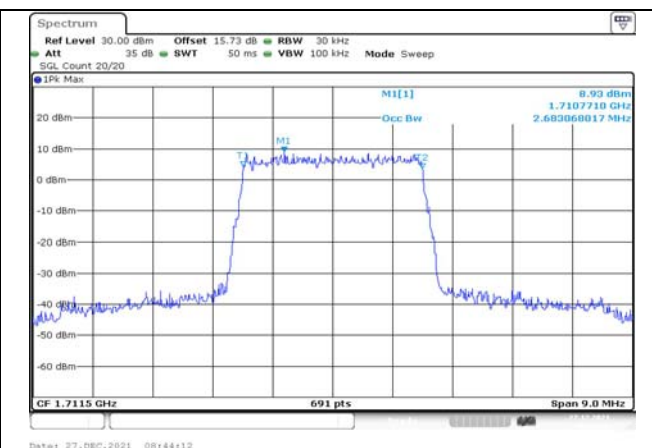
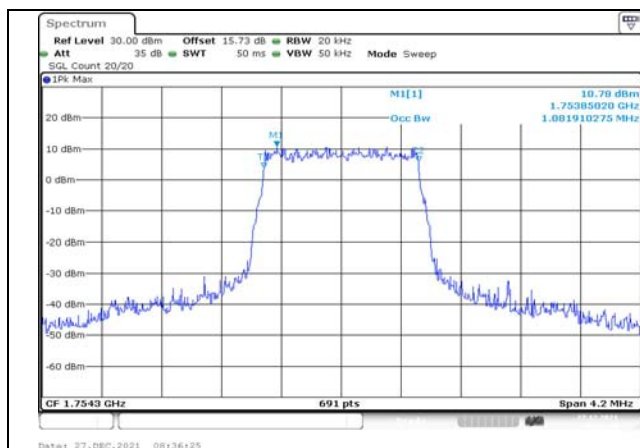
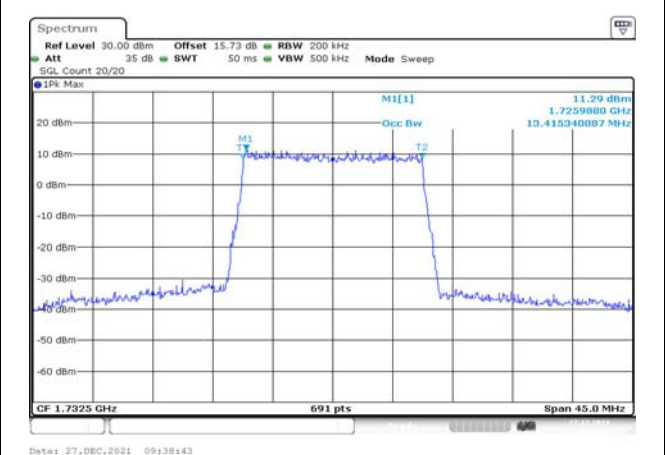
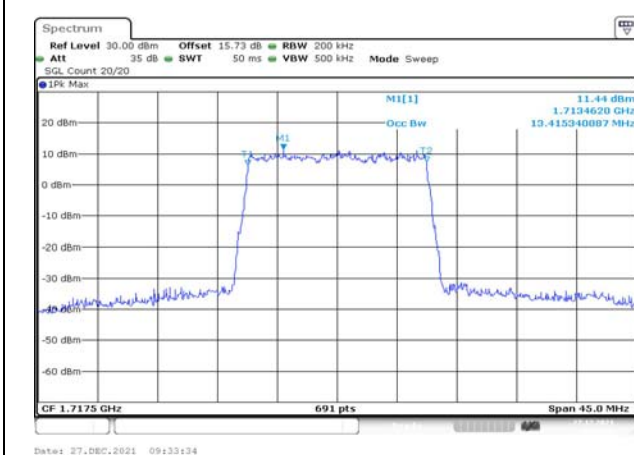
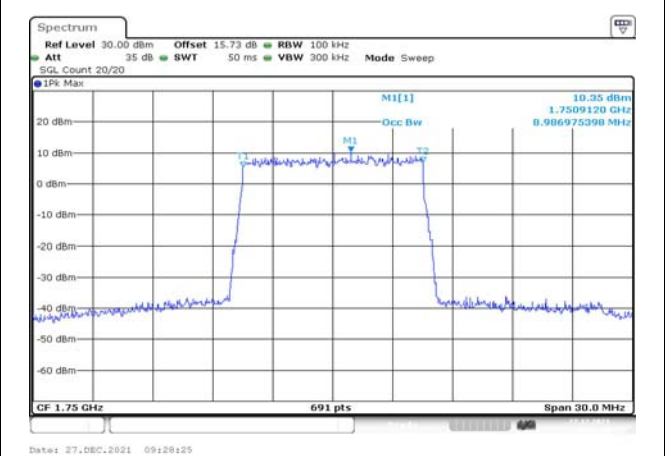
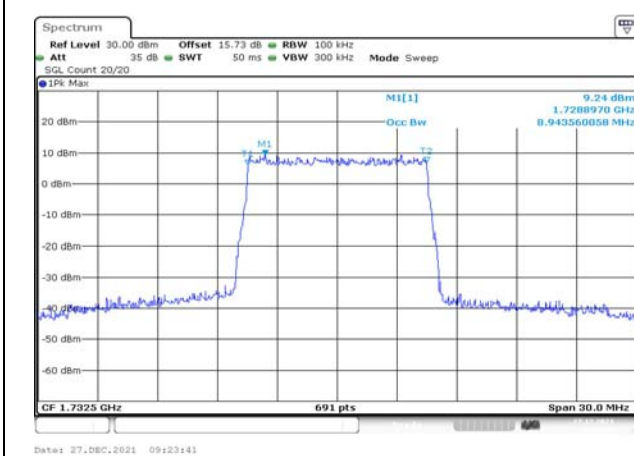
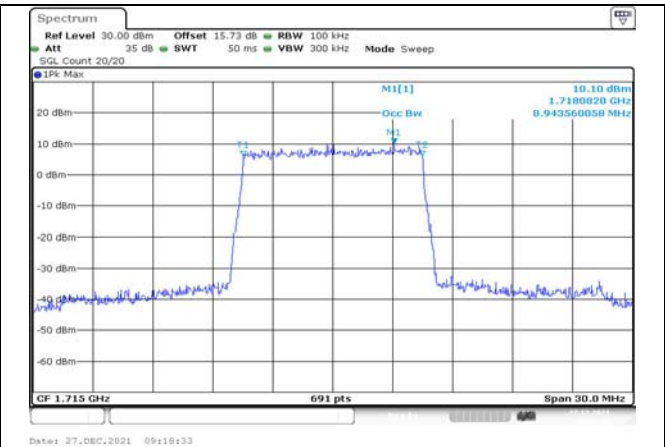
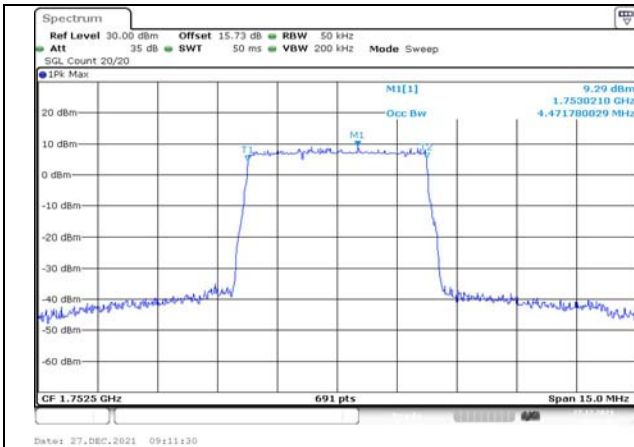
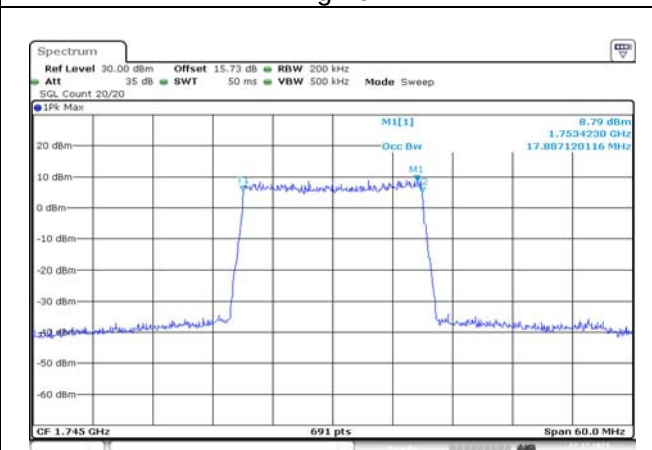
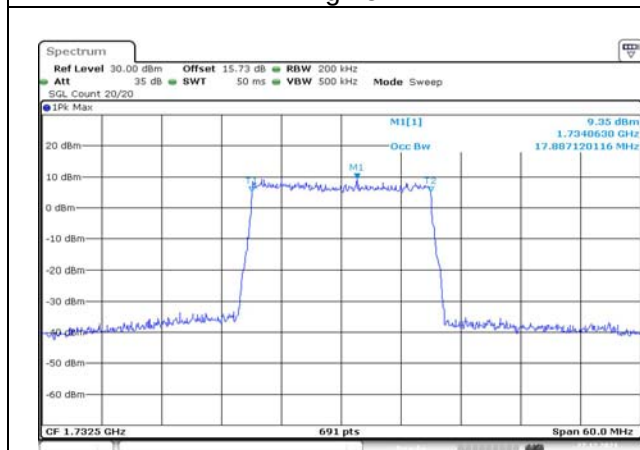
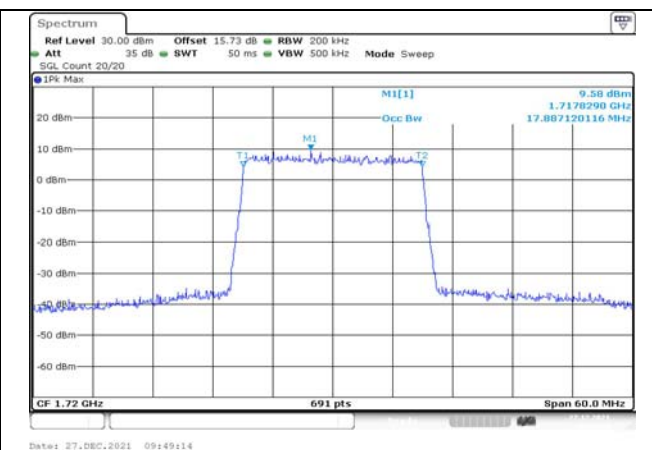
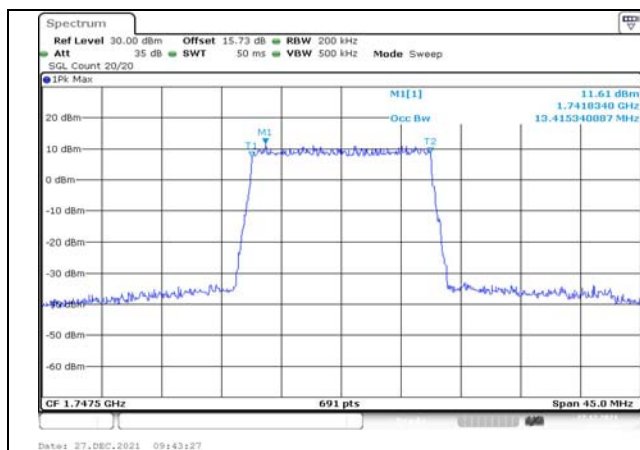


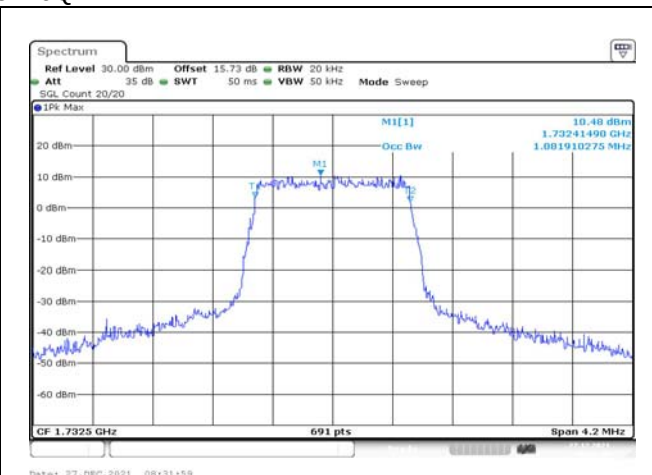
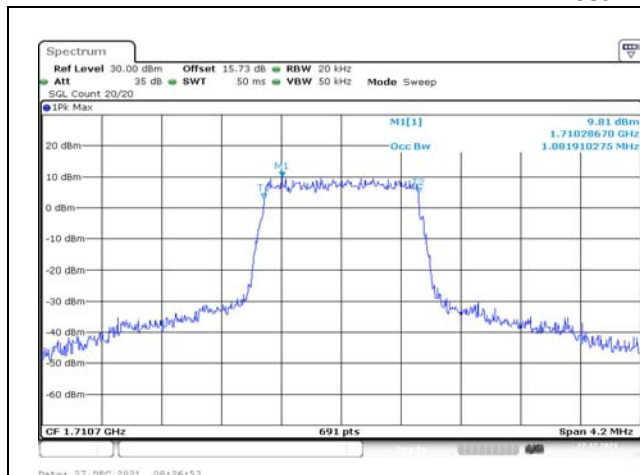
Fig.2







Test Mode: 16QAM



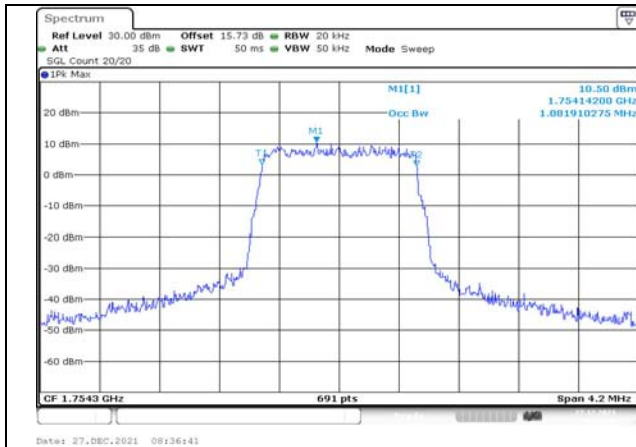


Fig.21

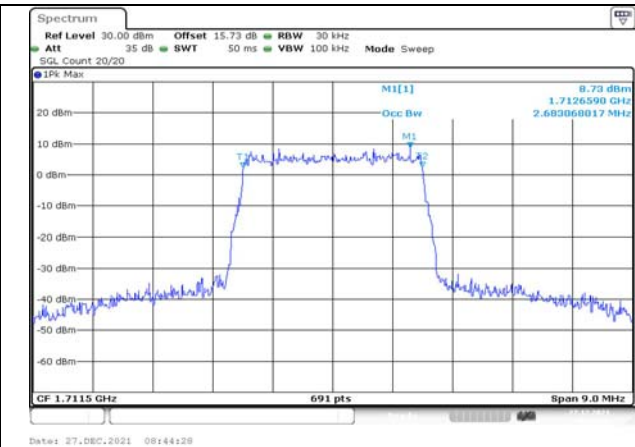


Fig.22

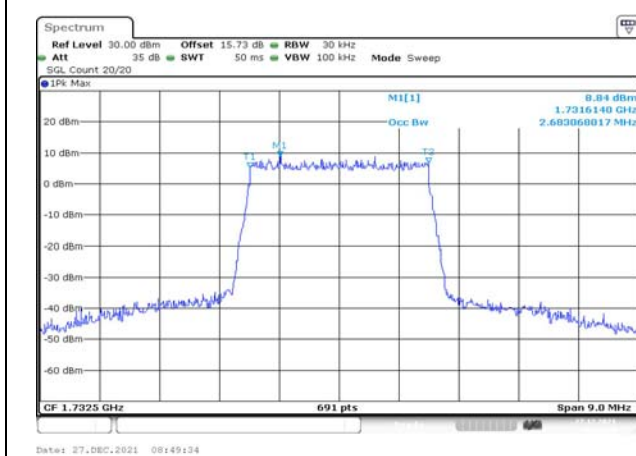


Fig.23

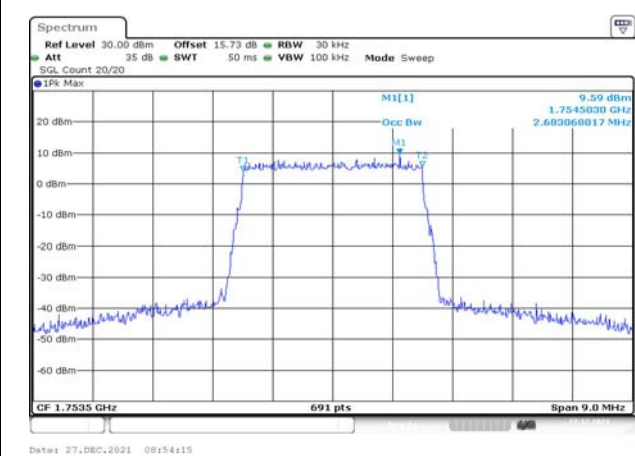


Fig.24

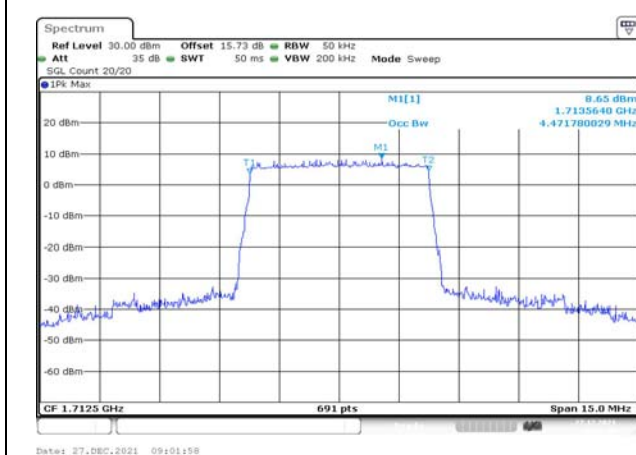


Fig.25

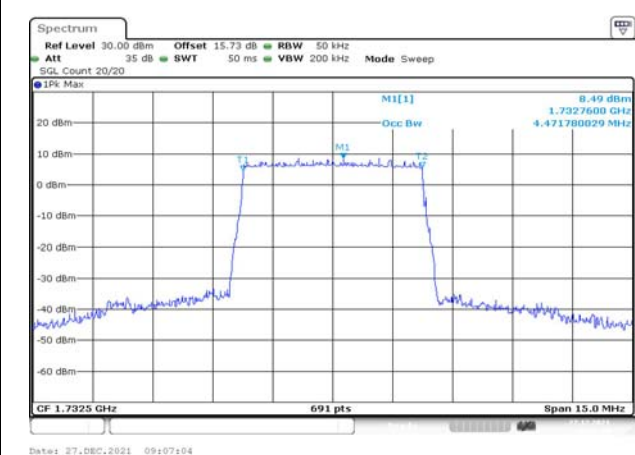
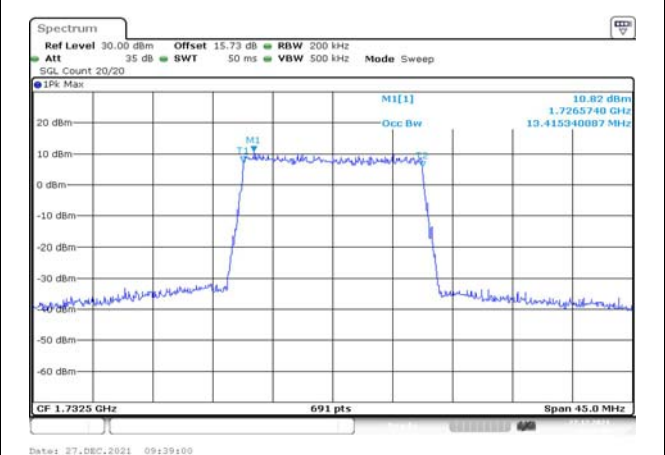
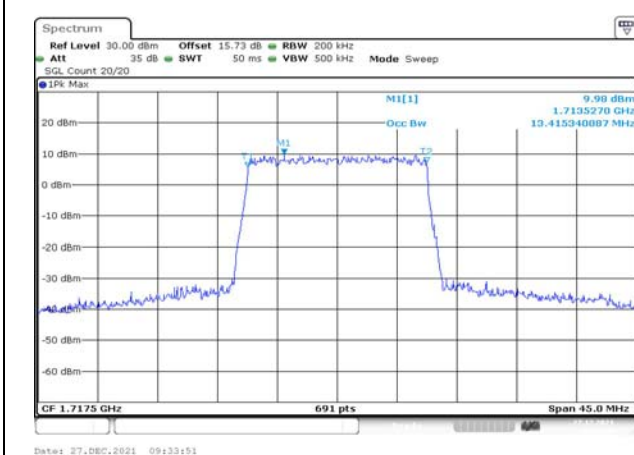
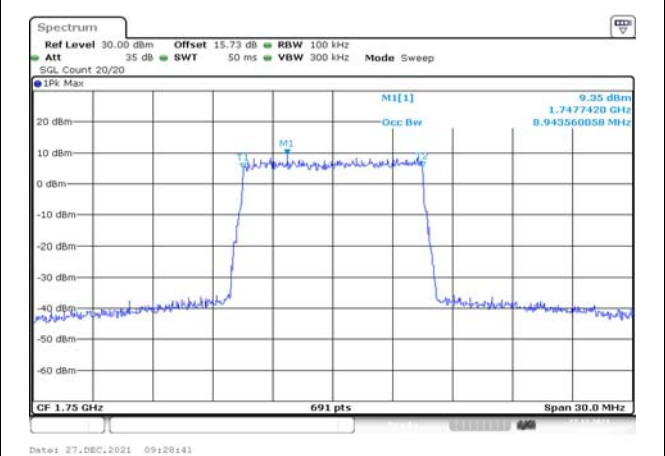
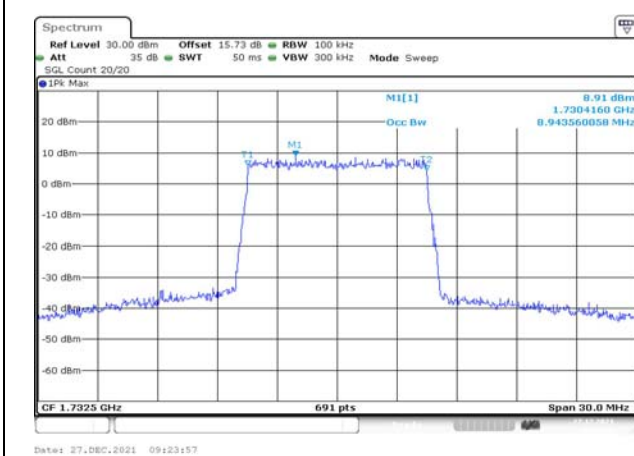
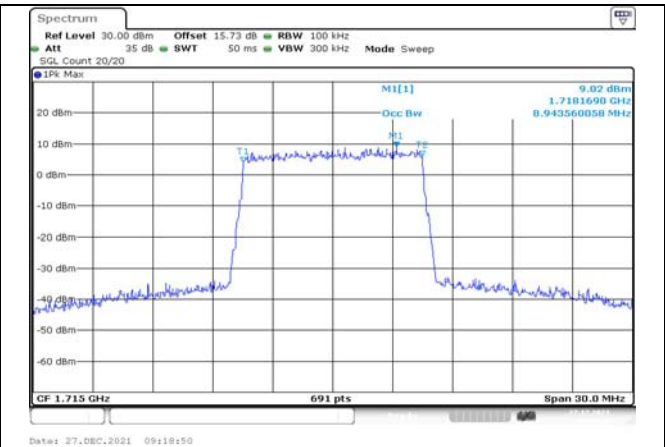
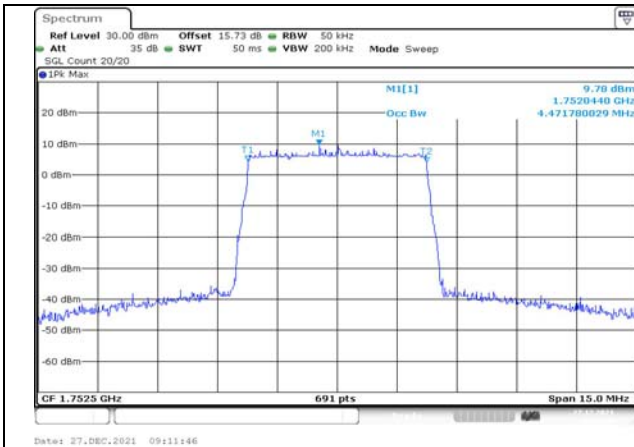
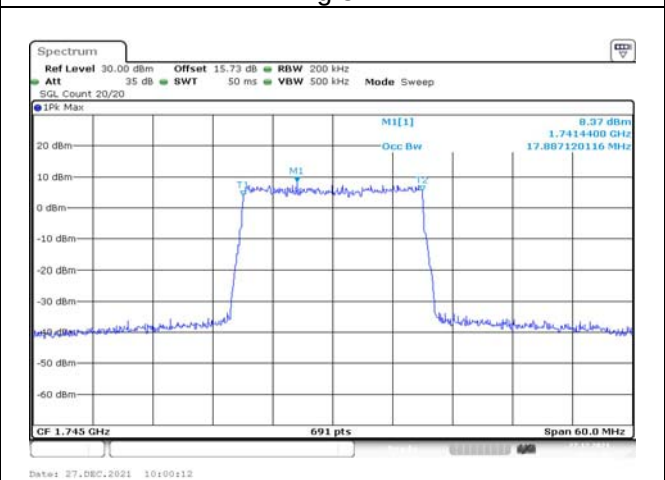
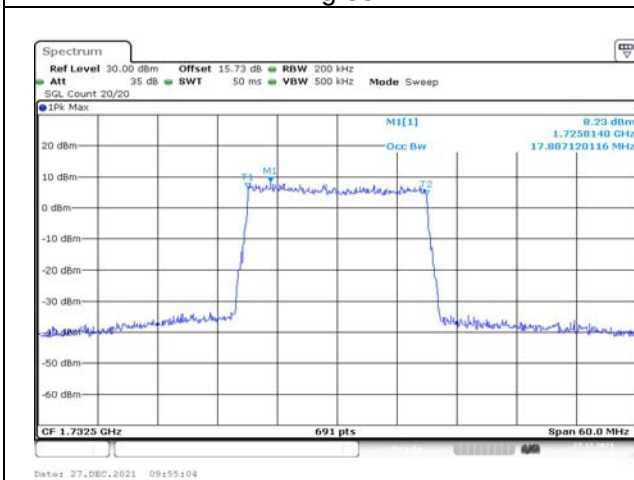
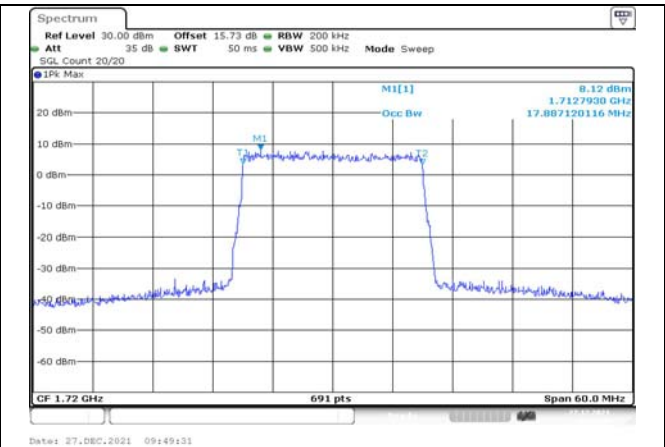
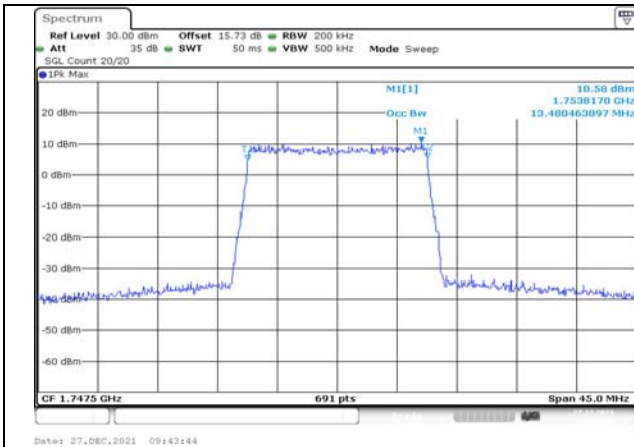
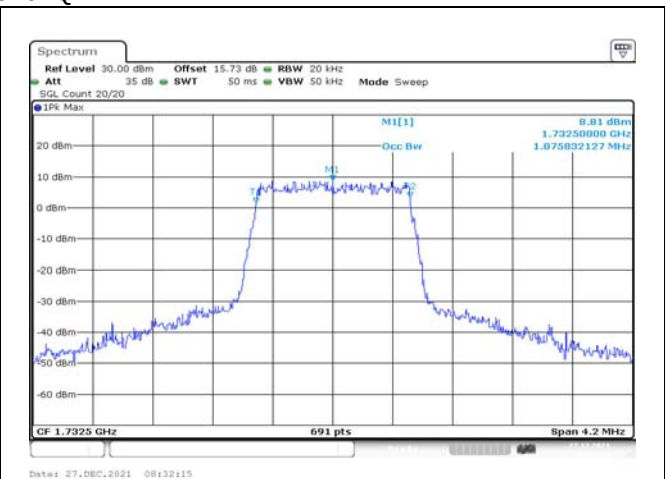
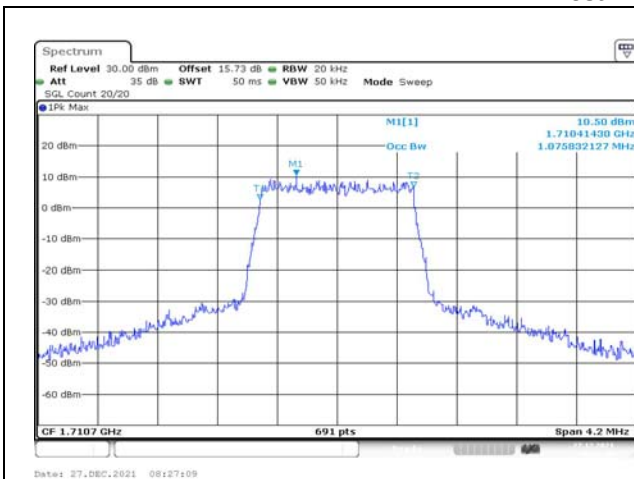


Fig.26





Test Mode: 64QAM



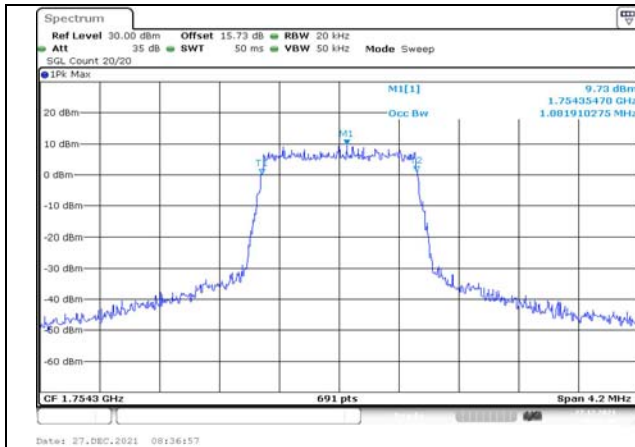


Fig.39

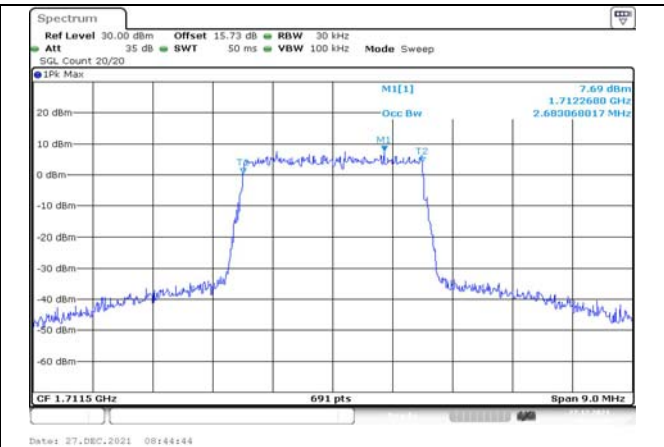


Fig.40

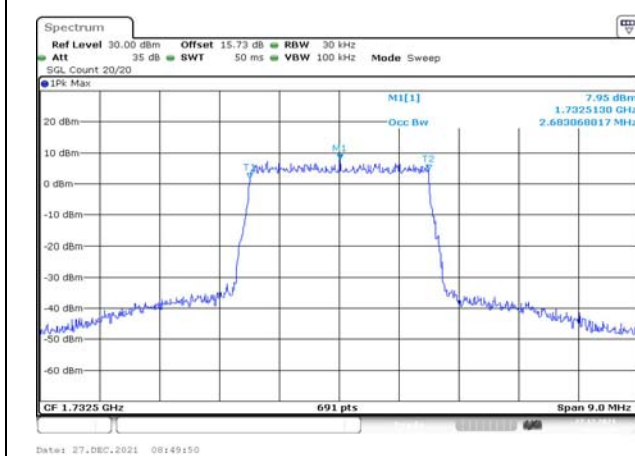


Fig.41

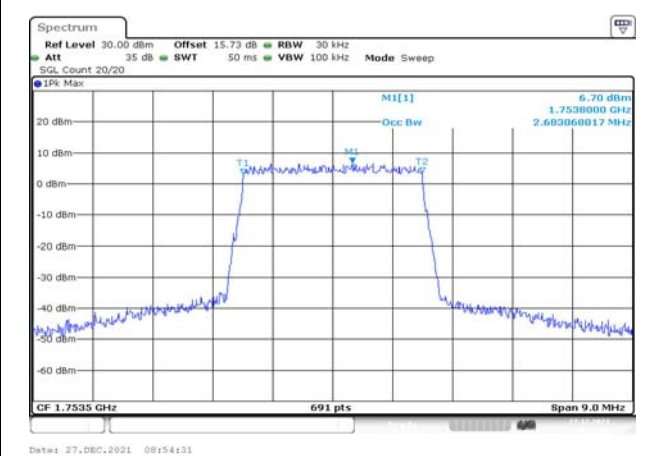


Fig.42

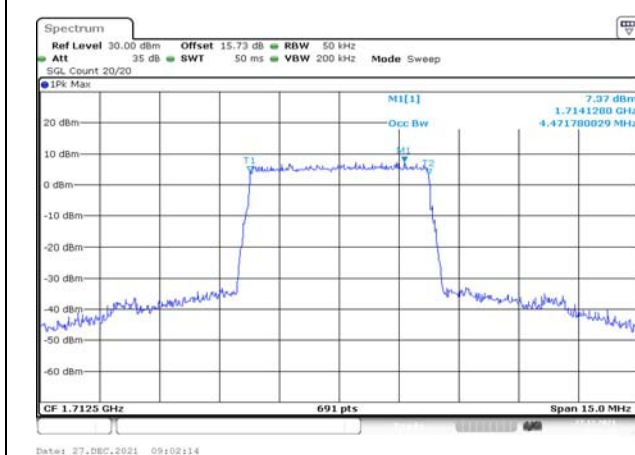


Fig.43

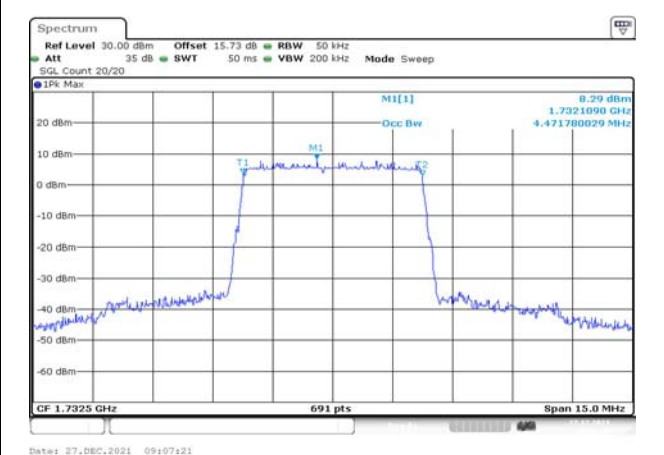
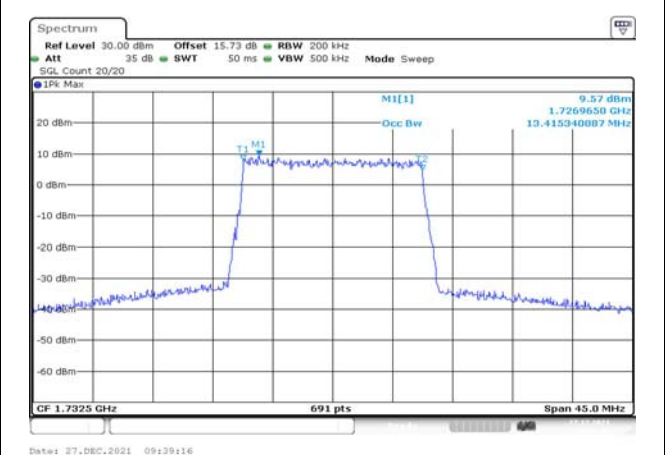
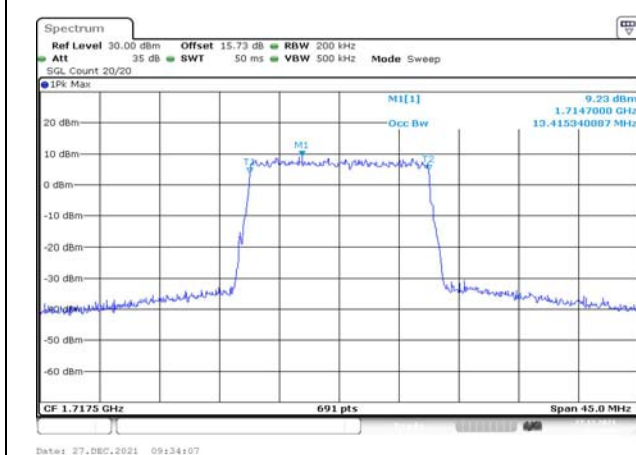
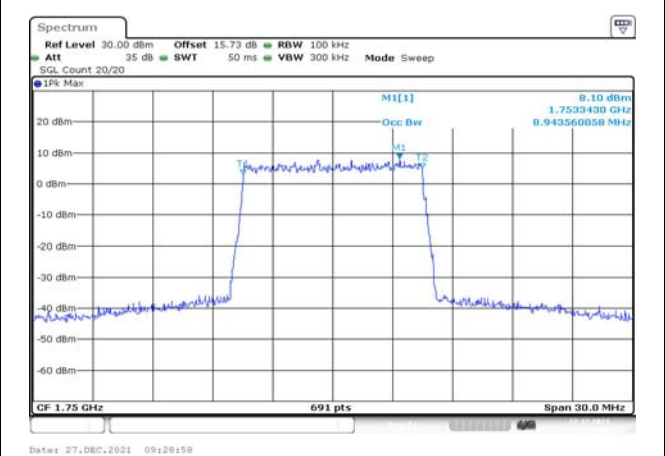
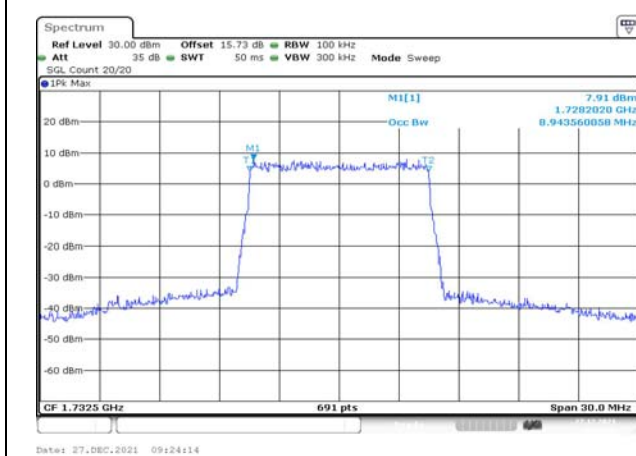
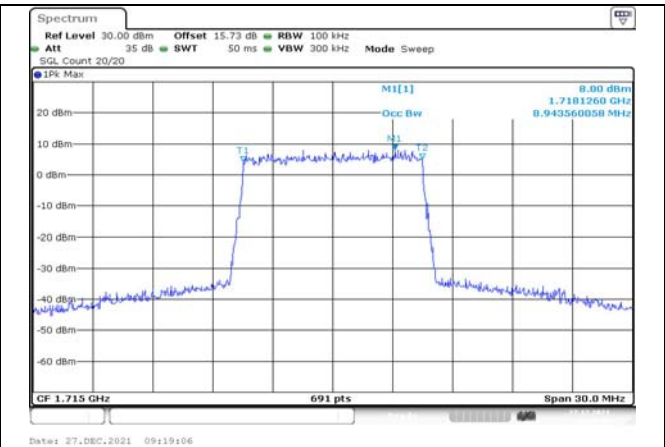
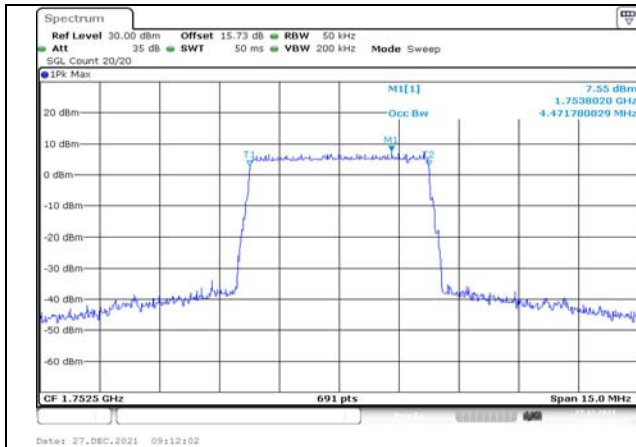


Fig.44



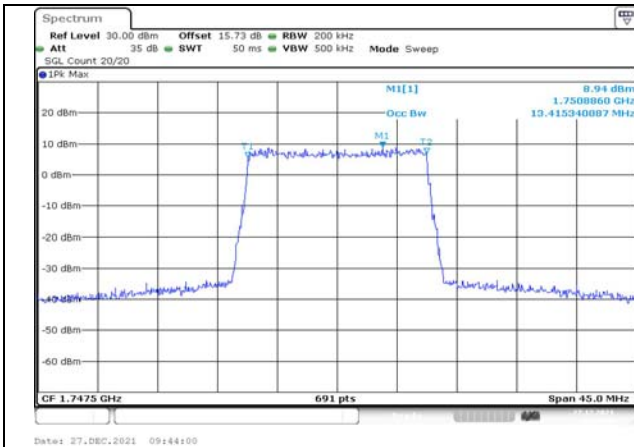


Fig.51

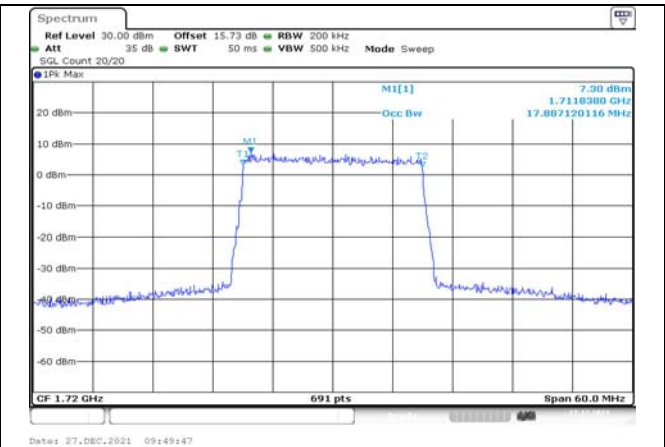


Fig.52

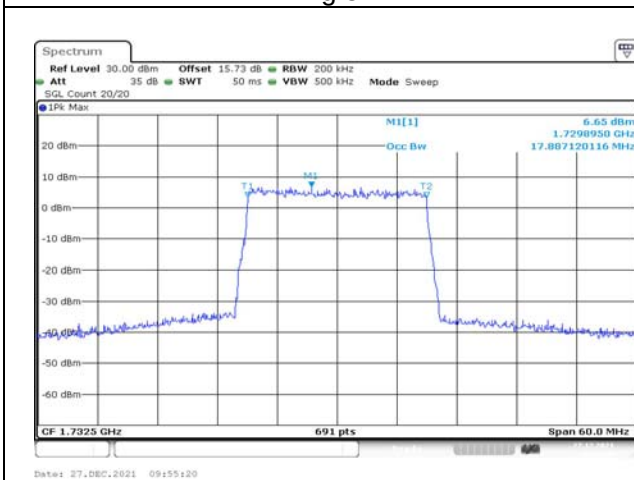


Fig.53

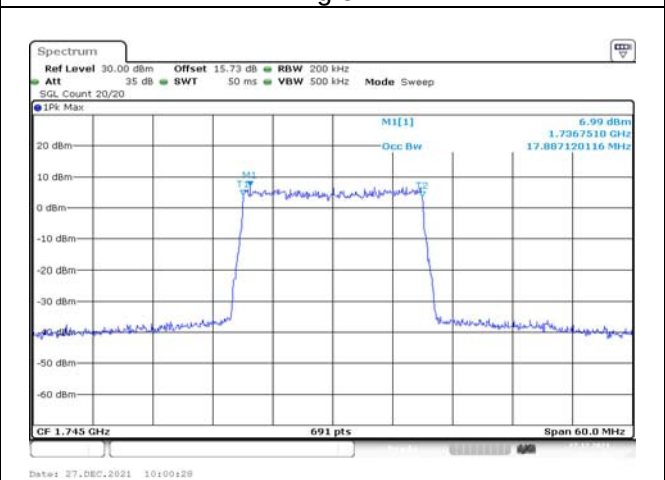


Fig.54

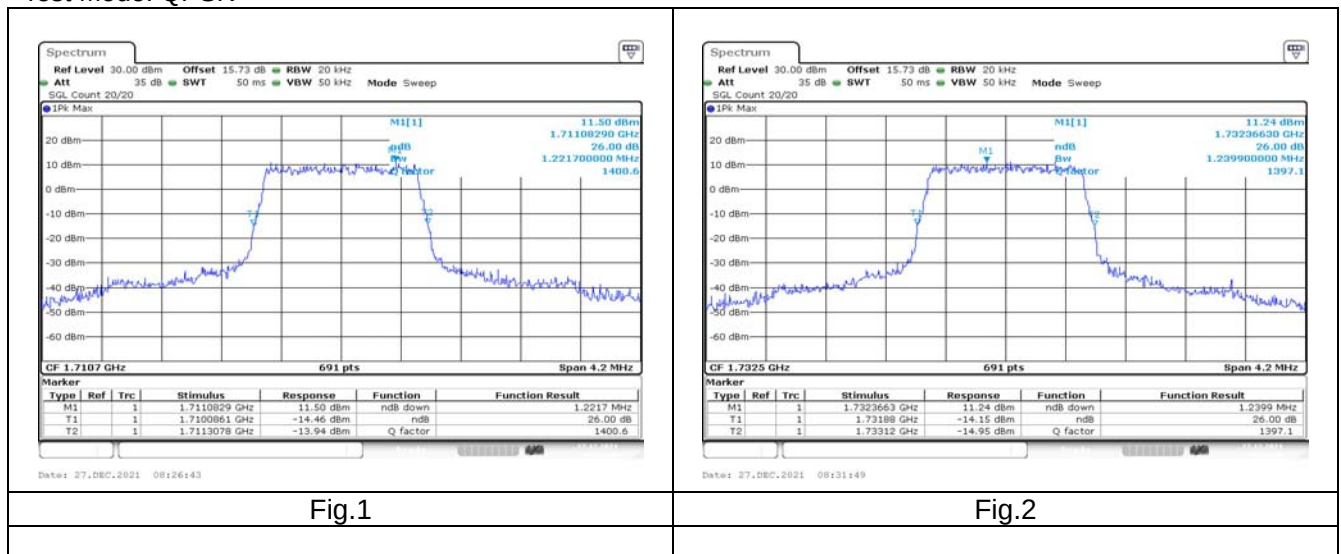
3 Emission Bandwidth

4	Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
	Band 4	QPSK	1710.7	19957	1.4	6	0	1.222	Fig.1
	Band 4	QPSK	1732.5	20175	1.4	6	0	1.240	Fig.2
	Band 4	QPSK	1754.3	20393	1.4	6	0	1.210	Fig.3
	Band 4	QPSK	1711.5	19965	3	15	0	2.983	Fig.4
	Band 4	QPSK	1732.5	20175	3	15	0	2.865	Fig.5
	Band 4	QPSK	1753.5	20385	3	15	0	2.996	Fig.6
	Band 4	QPSK	1712.5	19975	5	25	0	4.863	Fig.7
	Band 4	QPSK	1732.5	20175	5	25	0	4.906	Fig.8
	Band 4	QPSK	1752.5	20375	5	25	0	4.884	Fig.9
	Band 4	QPSK	1715	20000	10	50	0	9.682	Fig.10
	Band 4	QPSK	1732.5	20175	10	50	0	9.725	Fig.11
	Band 4	QPSK	1750	20350	10	50	0	9.682	Fig.12
	Band 4	QPSK	1717.5	20025	15	75	0	14.588	Fig.13
	Band 4	QPSK	1732.5	20175	15	75	0	14.783	Fig.14
	Band 4	QPSK	1747.5	20325	15	75	0	14.783	Fig.15
	Band 4	QPSK	1720	20050	20	100	0	19.450	Fig.16
	Band 4	QPSK	1732.5	20175	20	100	0	19.537	Fig.17
	Band 4	QPSK	1745	20300	20	100	0	19.450	Fig.18

5	Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
	Band 4	16QAM	1710.7	19957	1.4	6	0	1.222	Fig.19
	Band 4	16QAM	1732.5	20175	1.4	6	0	1.228	Fig.20
	Band 4	16QAM	1754.3	20393	1.4	6	0	1.222	Fig.21
	Band 4	16QAM	1711.5	19965	3	15	0	2.983	Fig.22
	Band 4	16QAM	1732.5	20175	3	15	0	2.970	Fig.23
	Band 4	16QAM	1753.5	20385	3	15	0	2.983	Fig.24
	Band 4	16QAM	1712.5	19975	5	25	0	4.841	Fig.25
	Band 4	16QAM	1732.5	20175	5	25	0	4.884	Fig.26
	Band 4	16QAM	1752.5	20375	5	25	0	4.906	Fig.27
	Band 4	16QAM	1715	20000	10	50	0	9.725	Fig.28
	Band 4	16QAM	1732.5	20175	10	50	0	9.768	Fig.29
	Band 4	16QAM	1750	20350	10	50	0	9.682	Fig.30
	Band 4	16QAM	1717.5	20025	15	75	0	14.588	Fig.31
	Band 4	16QAM	1732.5	20175	15	75	0	14.718	Fig.32
	Band 4	16QAM	1747.5	20325	15	75	0	14.653	Fig.33
	Band 4	16QAM	1720	20050	20	100	0	19.103	Fig.34
	Band 4	16QAM	1732.5	20175	20	100	0	19.363	Fig.35
	Band 4	16QAM	1745	20300	20	100	0	19.276	Fig.36

6	Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
	Band 4	64QAM	1710.7	19957	1.4	6	0	1.222	Fig.37
	Band 4	64QAM	1732.5	20175	1.4	6	0	1.228	Fig.38
	Band 4	64QAM	1754.3	20393	1.4	6	0	1.234	Fig.39
	Band 4	64QAM	1711.5	19965	3	15	0	3.009	Fig.40
	Band 4	64QAM	1732.5	20175	3	15	0	2.944	Fig.41
	Band 4	64QAM	1753.5	20385	3	15	0	2.970	Fig.42
	Band 4	64QAM	1712.5	19975	5	25	0	4.863	Fig.43
	Band 4	64QAM	1732.5	20175	5	25	0	4.906	Fig.44
	Band 4	64QAM	1752.5	20375	5	25	0	4.884	Fig.45
	Band 4	64QAM	1715	20000	10	50	0	9.682	Fig.46
	Band 4	64QAM	1732.5	20175	10	50	0	9.725	Fig.47
	Band 4	64QAM	1750	20350	10	50	0	9.682	Fig.48
	Band 4	64QAM	1717.5	20025	15	75	0	14.653	Fig.49
	Band 4	64QAM	1732.5	20175	15	75	0	14.783	Fig.50
	Band 4	64QAM	1747.5	20325	15	75	0	14.718	Fig.51
	Band 4	64QAM	1720	20050	20	100	0	19.276	Fig.52
	Band 4	64QAM	1732.5	20175	20	100	0	19.537	Fig.53
	Band 4	64QAM	1745	20300	20	100	0	19.450	Fig.54

Test Mode: QPSK



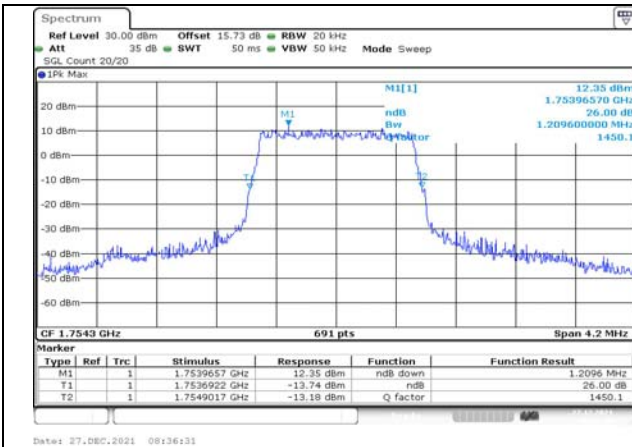


Fig.3

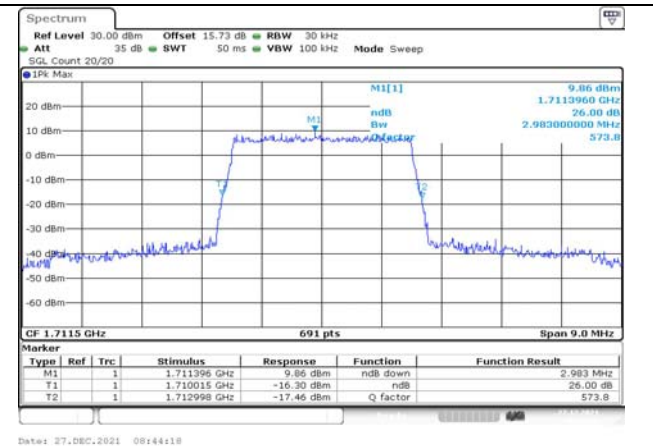


Fig.4

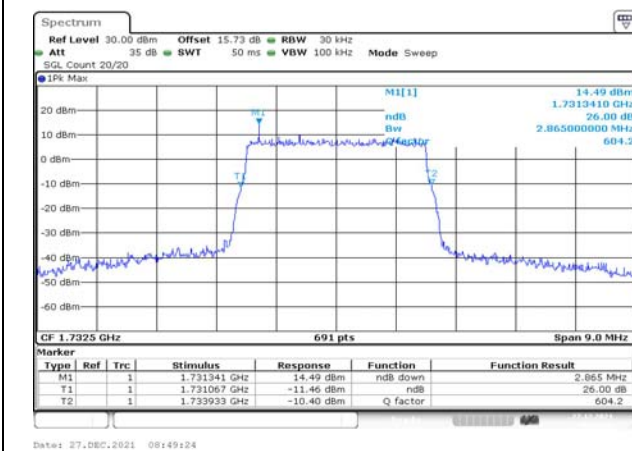


Fig.5

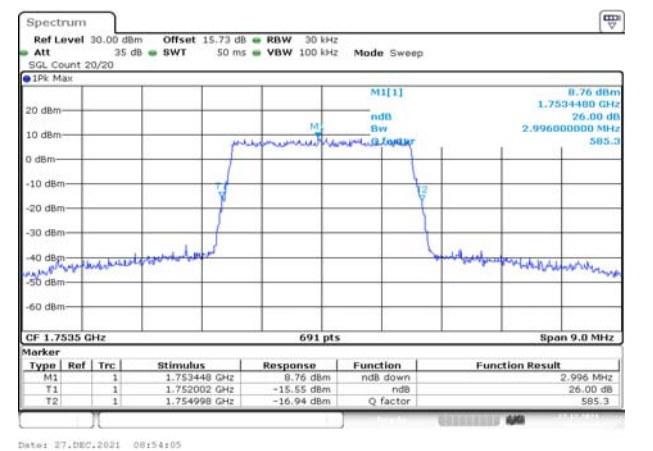


Fig.6

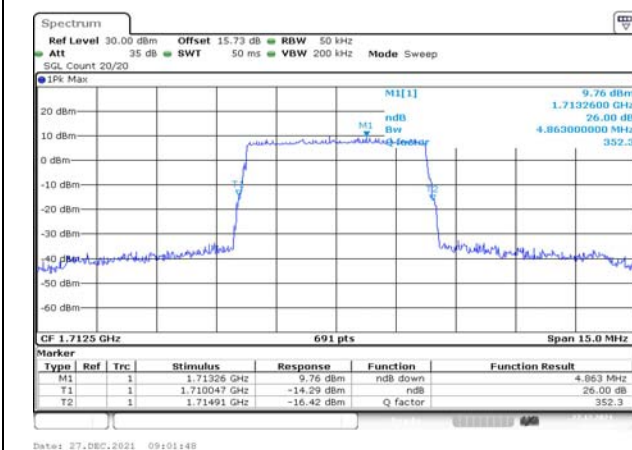


Fig.7

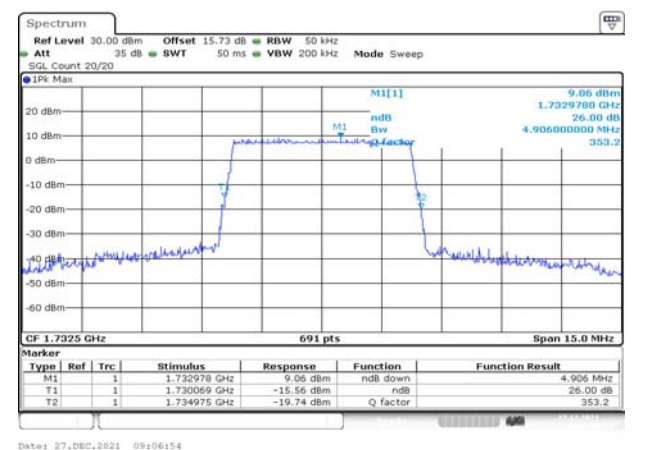


Fig.8

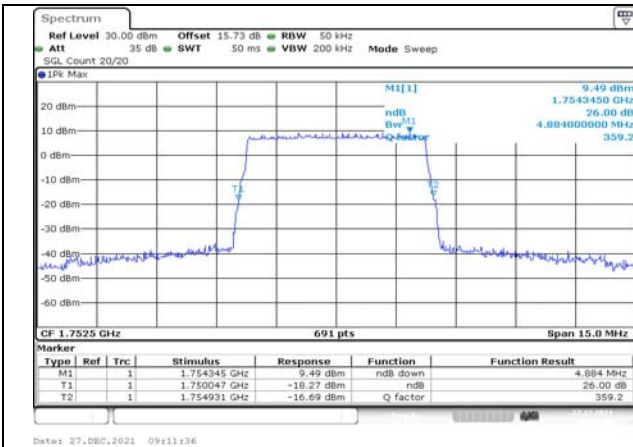


Fig.9

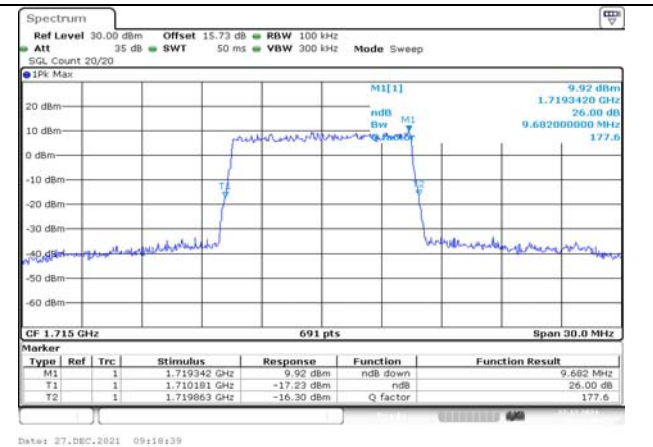


Fig.10

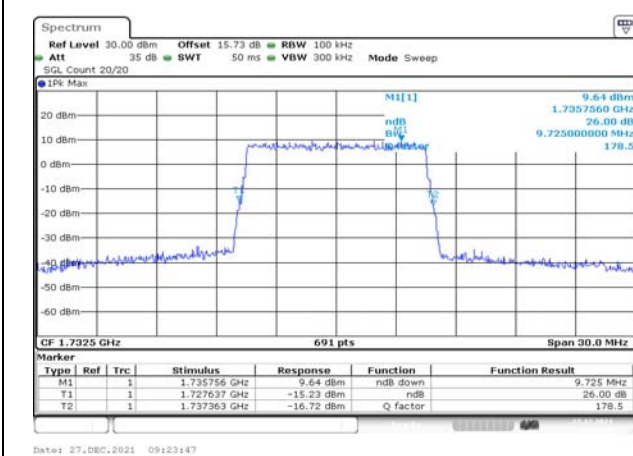


Fig.11

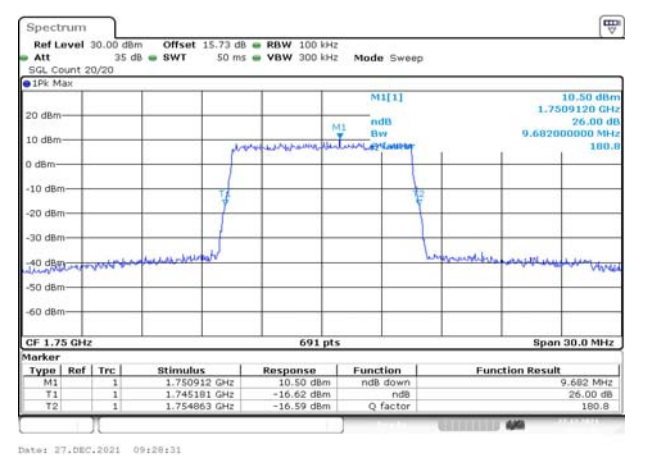


Fig.12

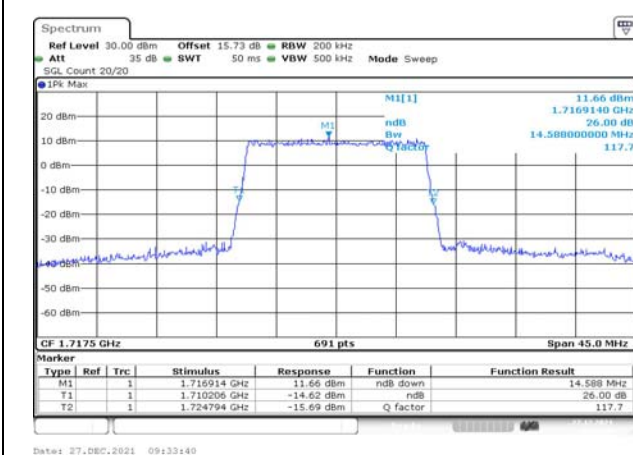


Fig.13



Fig.14

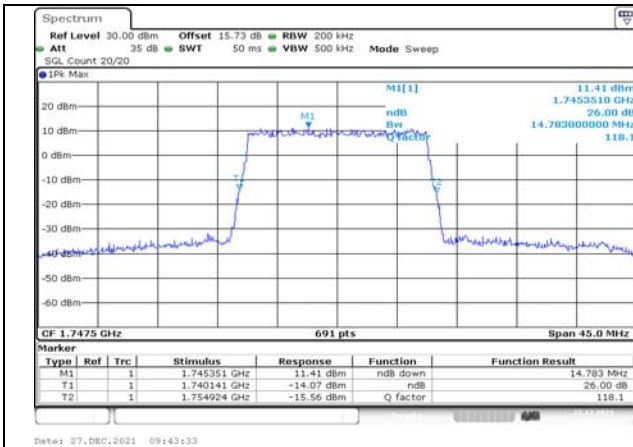


Fig.15

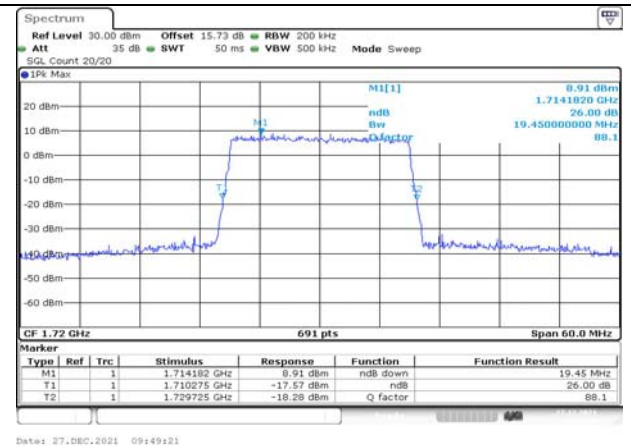


Fig.16

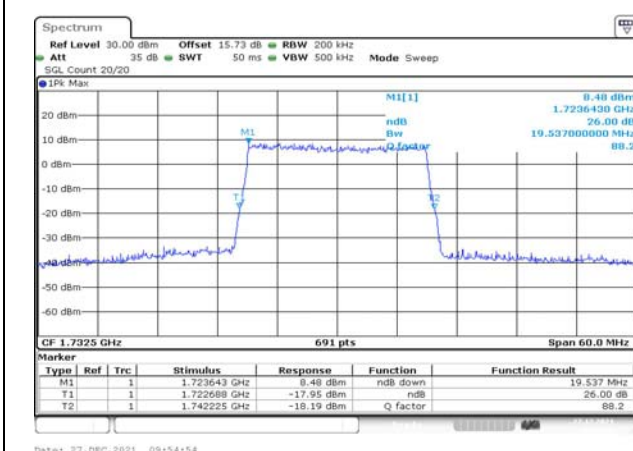


Fig.17

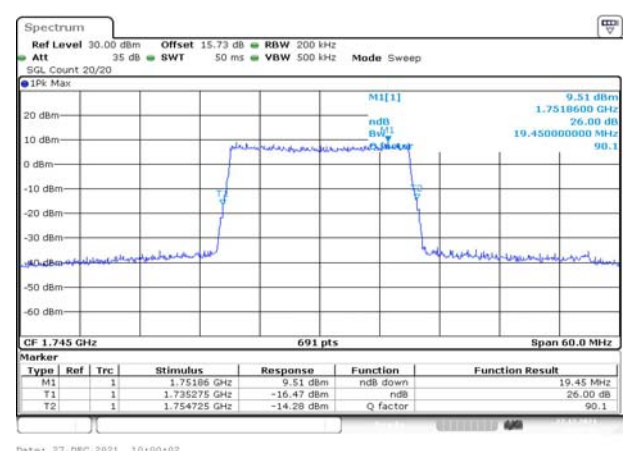


Fig.18

Test Mode: 16QAM

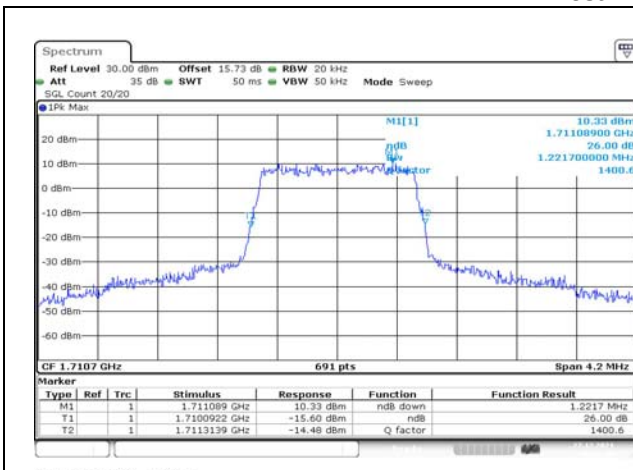


Fig.19

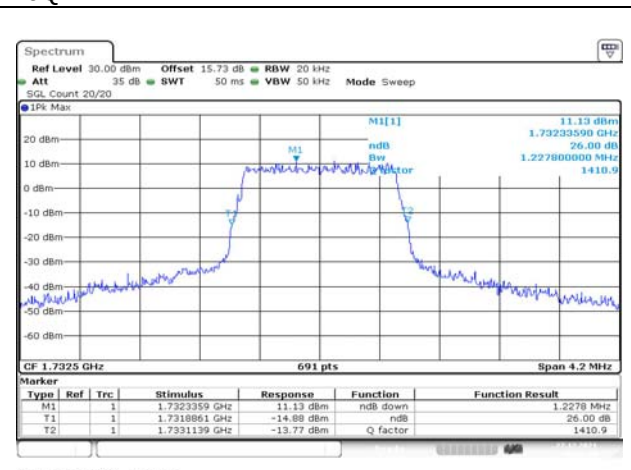


Fig.20

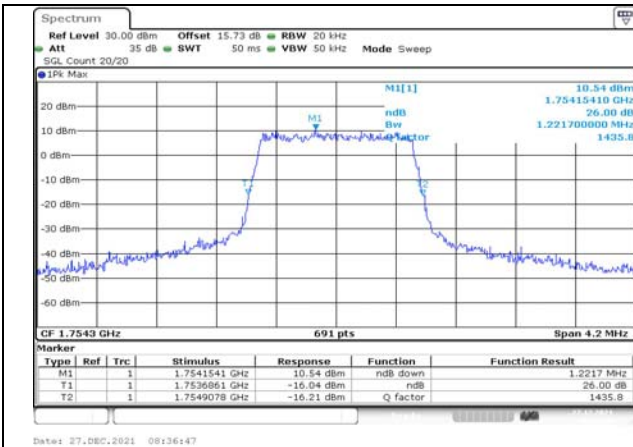


Fig.21

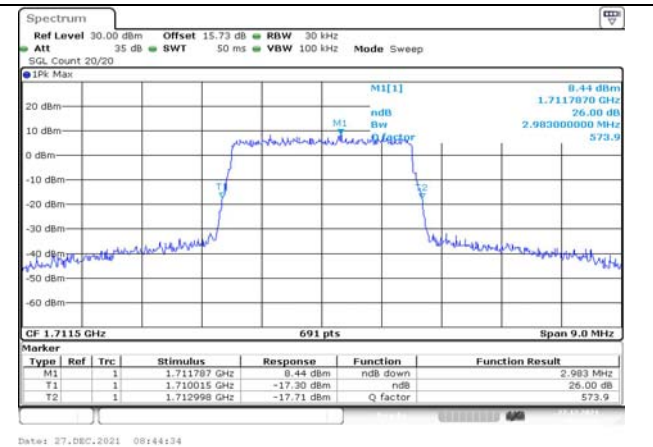


Fig.22

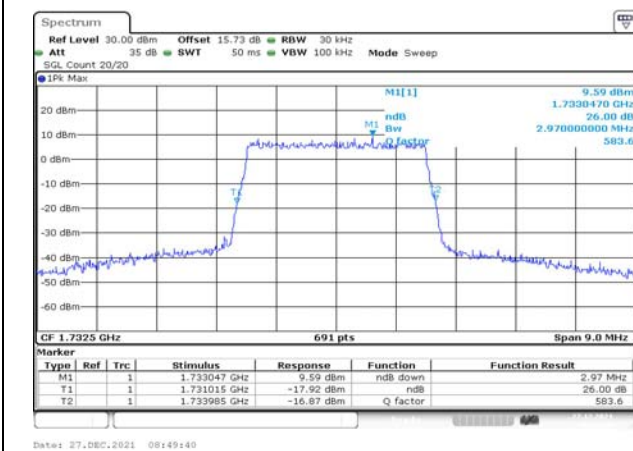


Fig.23

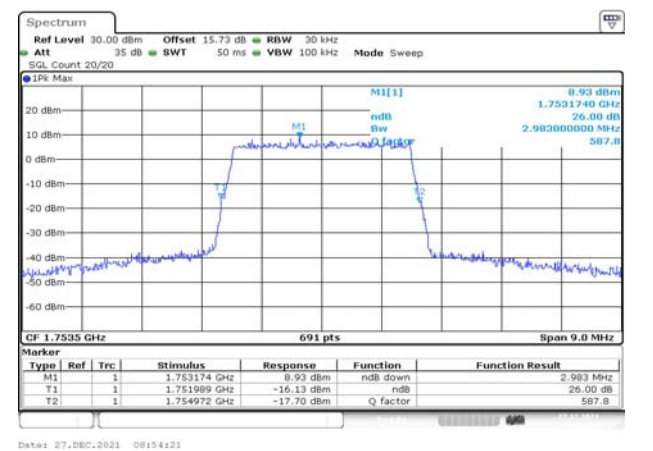


Fig.24

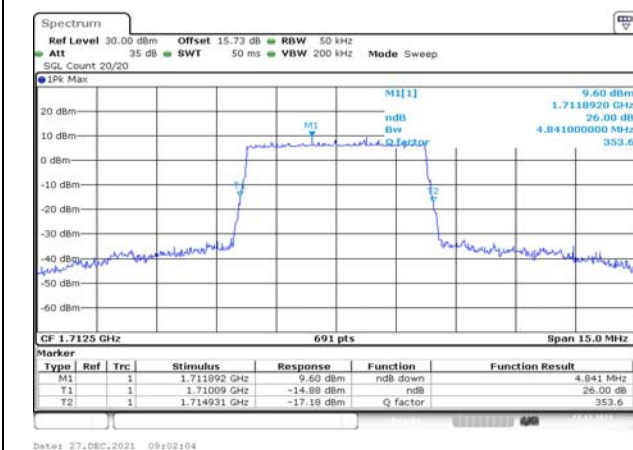


Fig.25

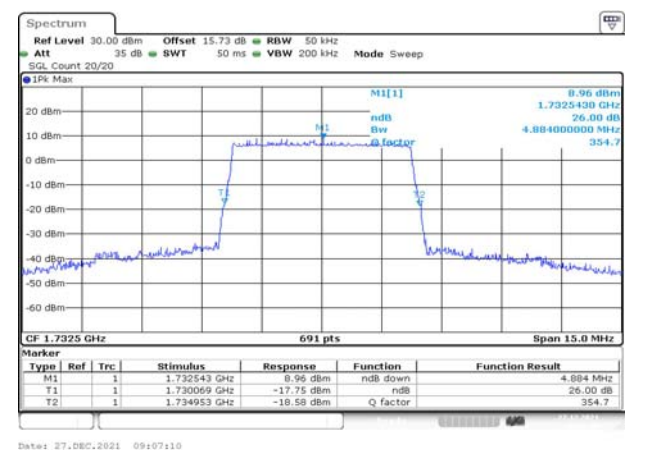


Fig.26

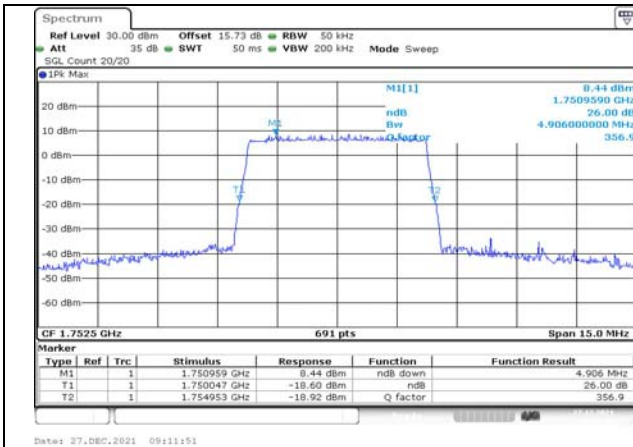


Fig.27

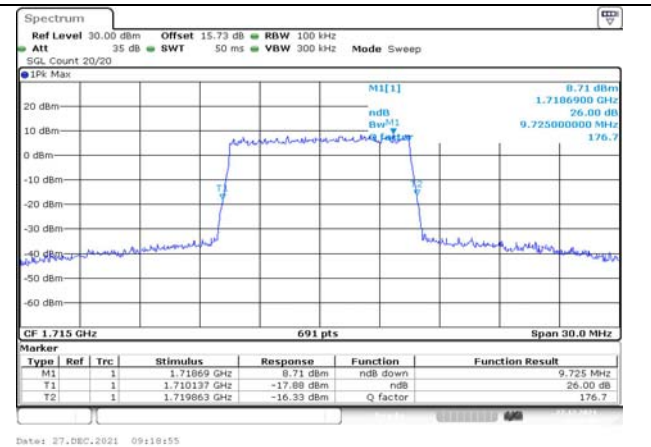


Fig.28

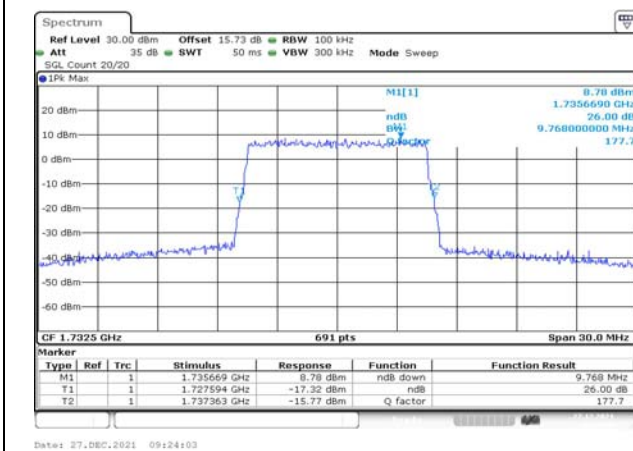


Fig.29

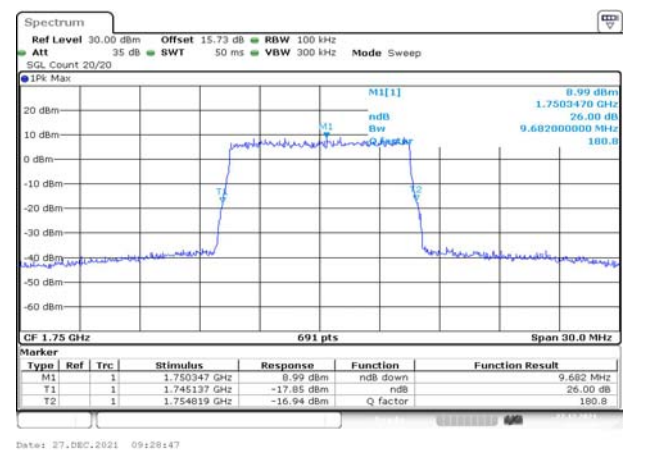


Fig.30

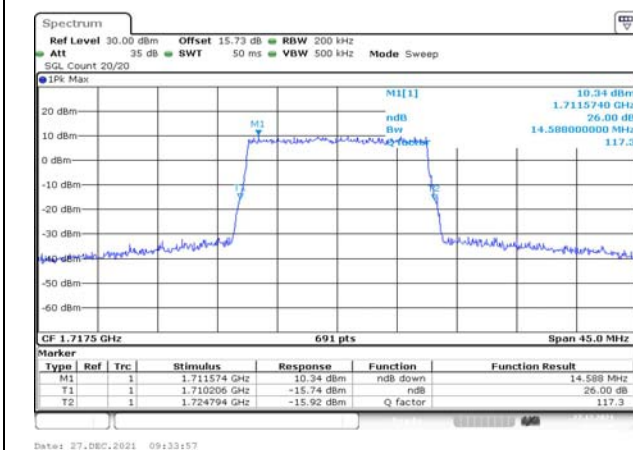


Fig.31



Fig.32

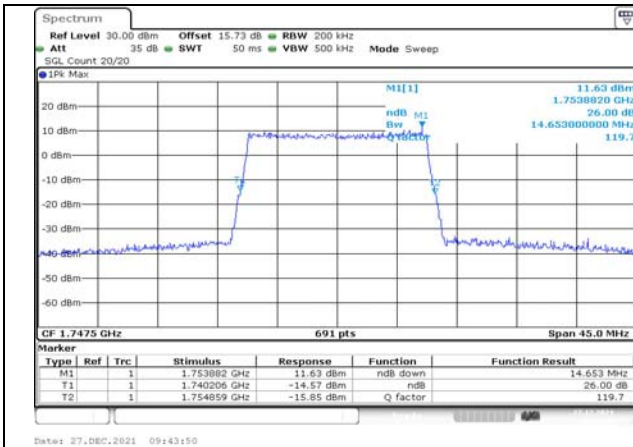


Fig.33

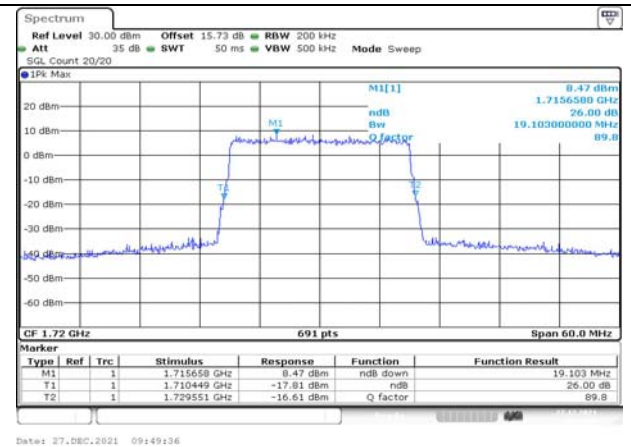


Fig.34

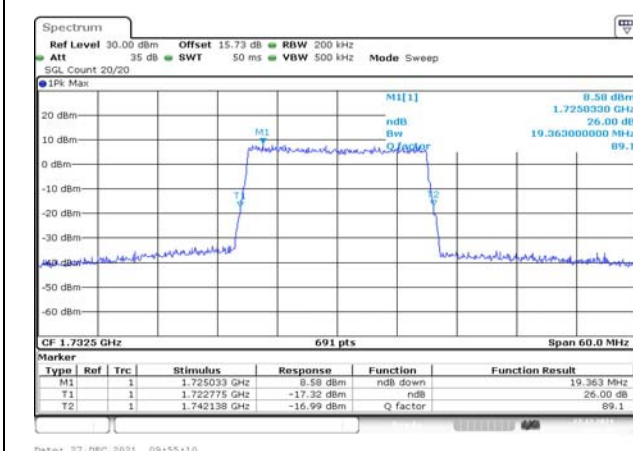


Fig.35

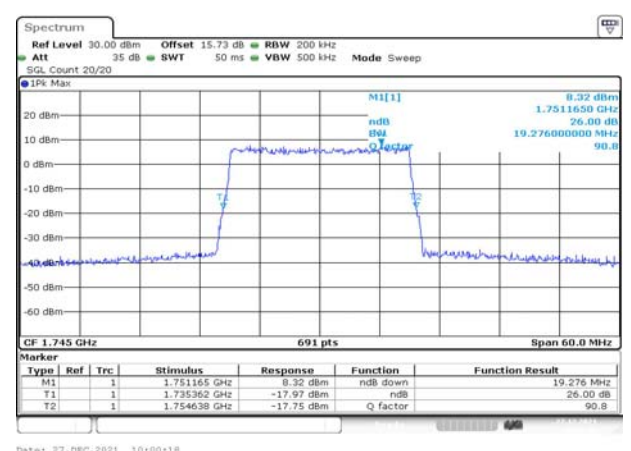


Fig.36

Test Mode: 64QAM

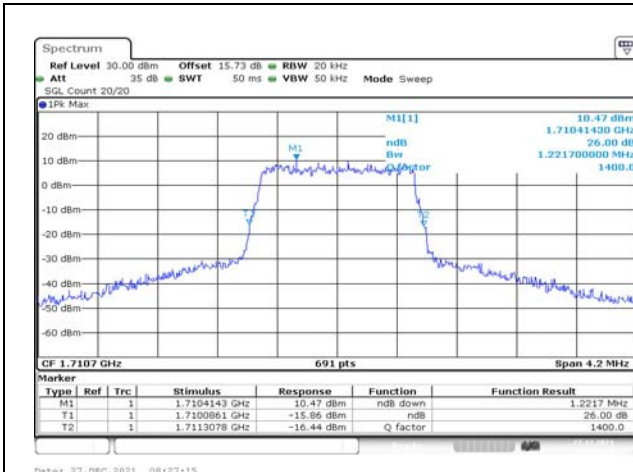


Fig.37

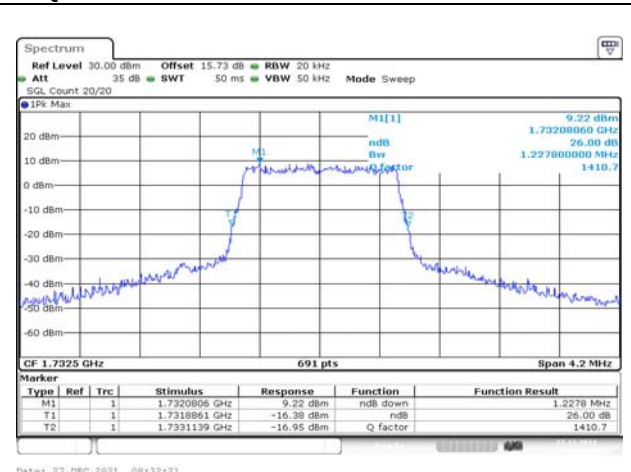


Fig.38

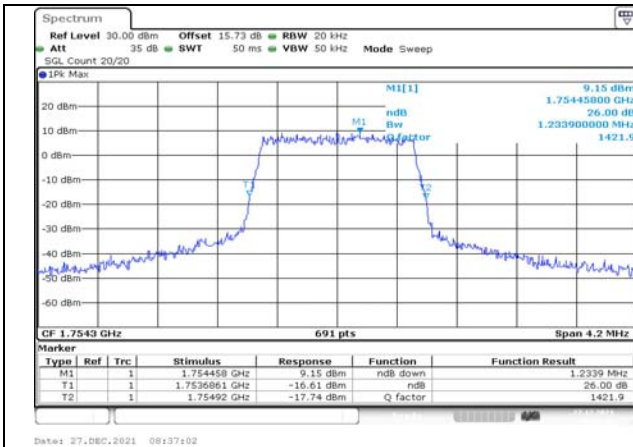


Fig.39

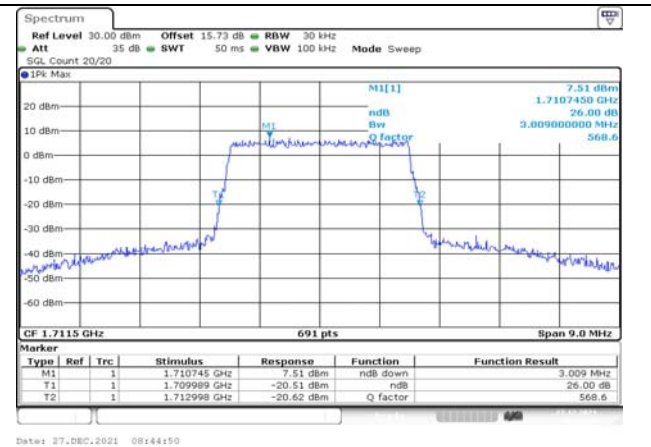


Fig.40

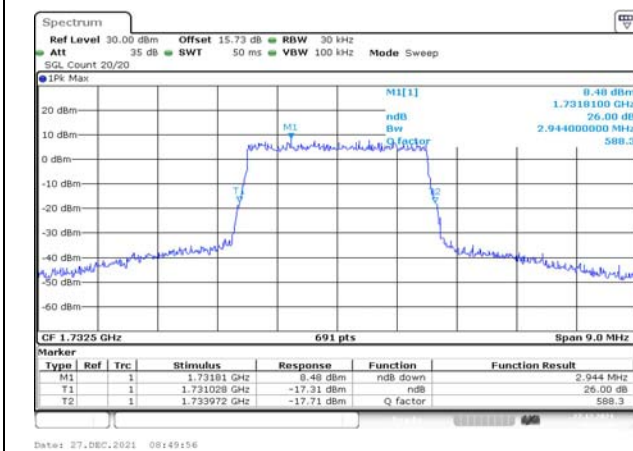


Fig.41

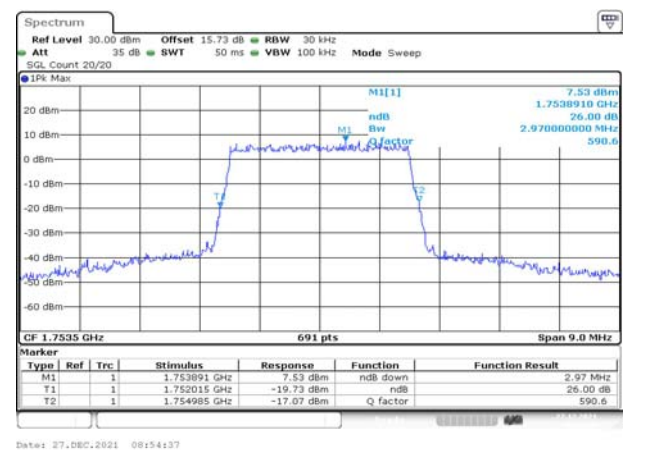


Fig.42

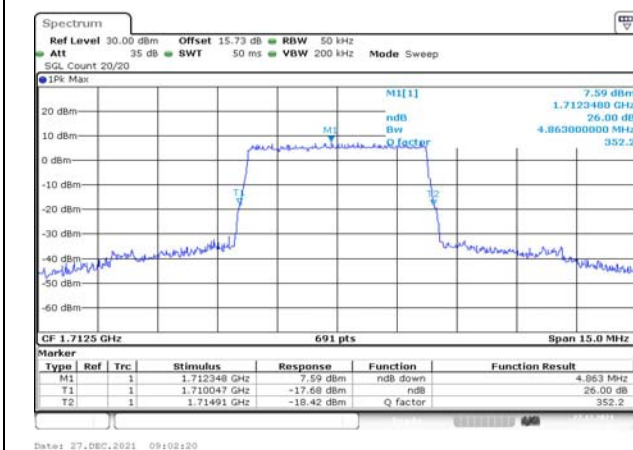


Fig.43

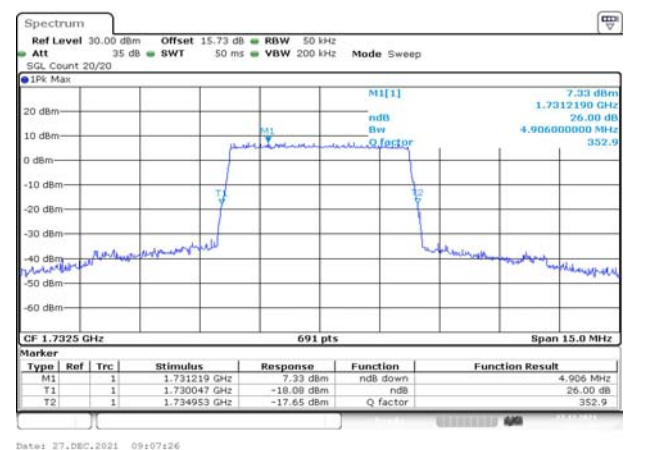


Fig.44

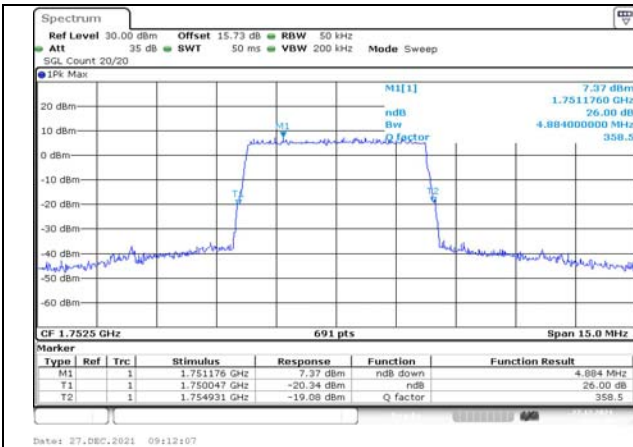


Fig.45

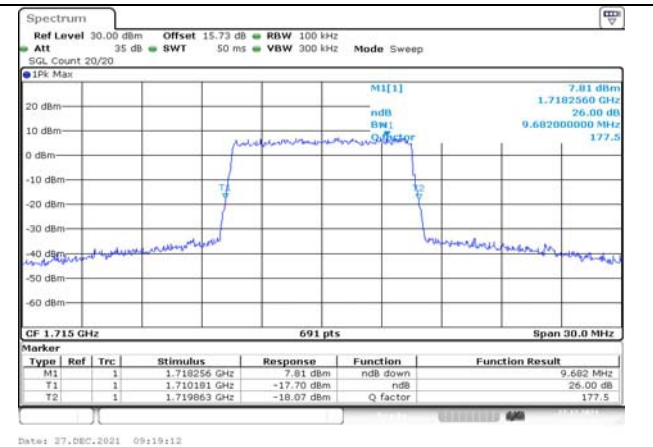


Fig.46

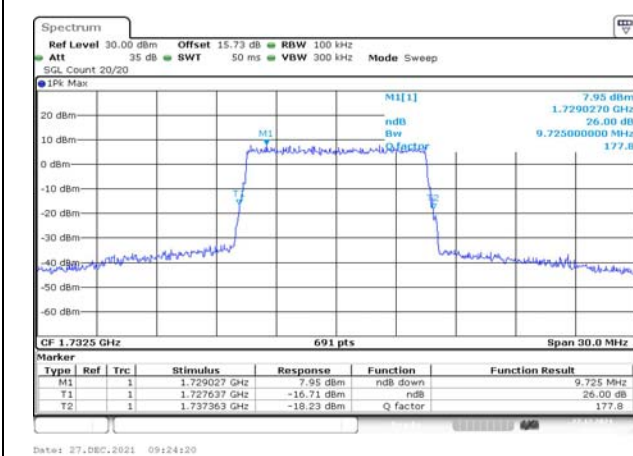


Fig.47

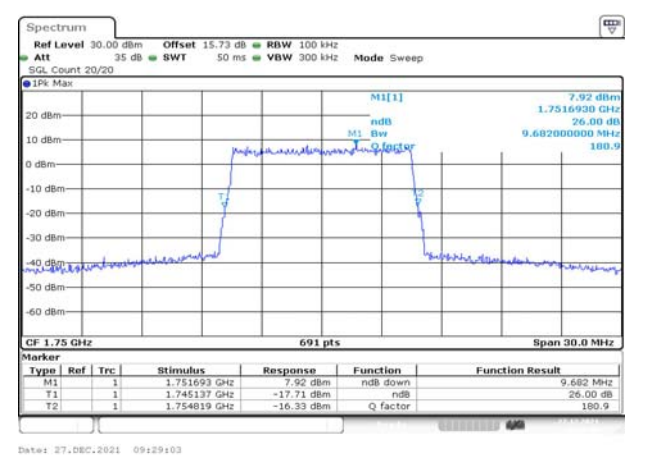


Fig.48

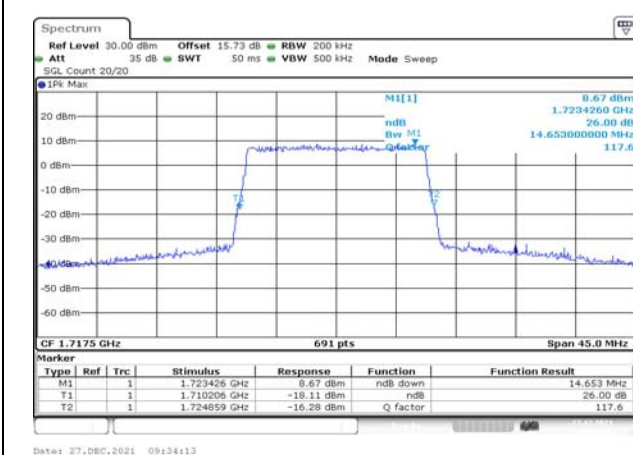


Fig.49



Fig.50

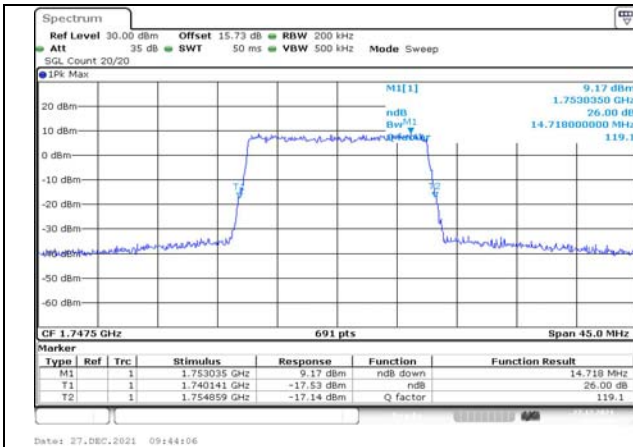


Fig.51

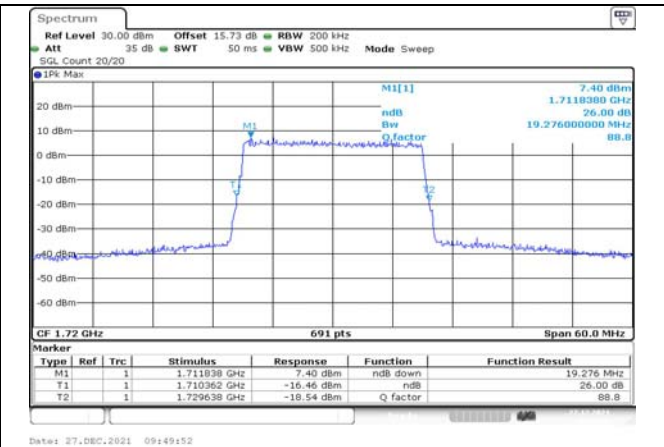


Fig.52

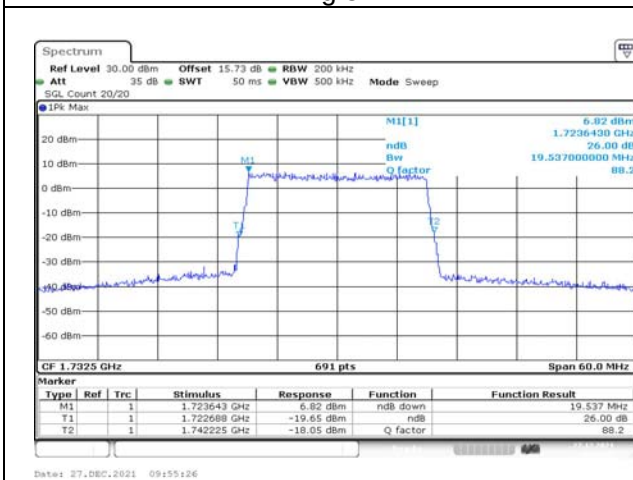


Fig.53

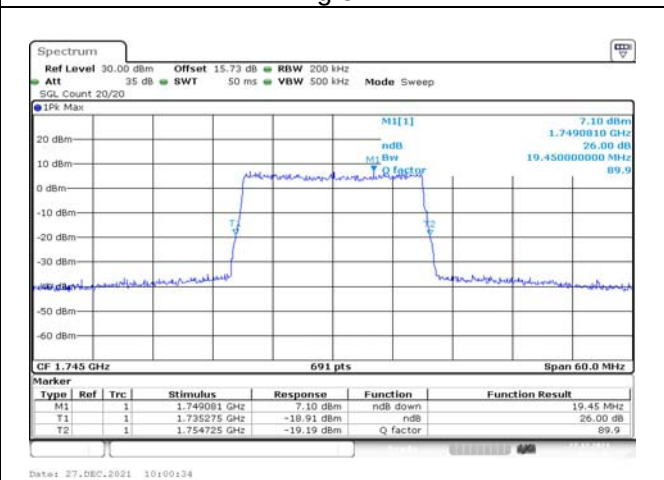


Fig.54

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
4	1710.7	19957	1.4	1	5	Fig.1	Fig.2	Fig.3
4	1710.7	19957	1.4	6	0	Fig.4	Fig.5	Fig.6
4	1732.5	20175	1.4	1	5	Fig.7	Fig.8	Fig.9
4	1732.5	20175	1.4	6	0	Fig.10	Fig.11	Fig.12
4	1754.3	20393	1.4	1	5	Fig.13	Fig.14	Fig.15
4	1754.3	20393	1.4	6	0	Fig.16	Fig.17	Fig.18
4	1711.5	19965	3	1	14	Fig.19	Fig.20	Fig.21
4	1711.5	19965	3	15	0	Fig.22	Fig.23	Fig.24
4	1732.5	20175	3	1	14	Fig.25	Fig.26	Fig.27
4	1732.5	20175	3	15	0	Fig.28	Fig.29	Fig.30
4	1753.5	20385	3	1	14	Fig.31	Fig.32	Fig.33
4	1753.5	20385	3	15	0	Fig.34	Fig.35	Fig.36
4	1712.5	19975	5	1	24	Fig.37	Fig.38	Fig.39
4	1712.5	19975	5	25	0	Fig.40	Fig.41	Fig.42
4	1732.5	20175	5	1	24	Fig.43	Fig.44	Fig.45
4	1732.5	20175	5	25	0	Fig.46	Fig.47	Fig.48
4	1752.5	20375	5	1	24	Fig.49	Fig.50	Fig.51
4	1752.5	20375	5	25	0	Fig.52	Fig.53	Fig.54
4	1715	20000	10	1	49	Fig.55	Fig.56	Fig.57
4	1715	20000	10	50	0	Fig.58	Fig.59	Fig.60
4	1732.5	20175	10	1	49	Fig.61	Fig.62	Fig.63
4	1732.5	20175	10	50	0	Fig.64	Fig.65	Fig.66
4	1750	20350	10	1	49	Fig.67	Fig.68	Fig.69
4	1750	20350	10	50	0	Fig.70	Fig.71	Fig.72
4	1717.5	20025	15	1	74	Fig.73	Fig.74	Fig.75
4	1717.5	20025	15	75	0	Fig.76	Fig.77	Fig.78
4	1732.5	20175	15	1	74	Fig.79	Fig.80	Fig.81
4	1732.5	20175	15	75	0	Fig.82	Fig.83	Fig.84
4	1747.5	20325	15	1	74	Fig.85	Fig.86	Fig.87
4	1747.5	20325	15	75	0	Fig.88	Fig.89	Fig.90
4	1720	20050	20	1	99	Fig.91	Fig.92	Fig.93
4	1720	20050	20	100	0	Fig.94	Fig.95	Fig.96
4	1732.5	20175	20	1	99	Fig.97	Fig.98	Fig.99
4	1732.5	20175	20	100	0	Fig.100	Fig.101	Fig.102
4	1745	20300	20	1	99	Fig.103	Fig.104	Fig.105
4	1745	20300	20	100	0	Fig.106	Fig.107	Fig.108

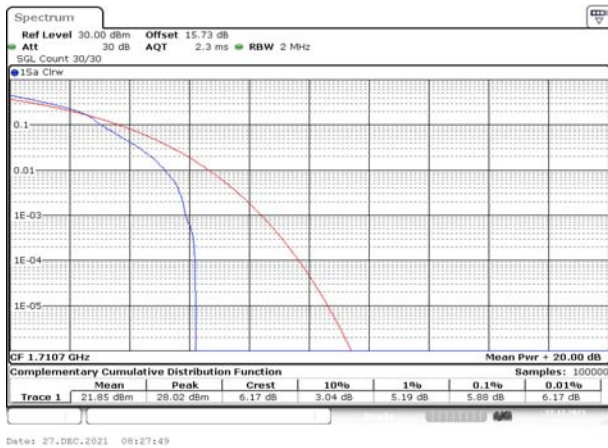


Fig.1

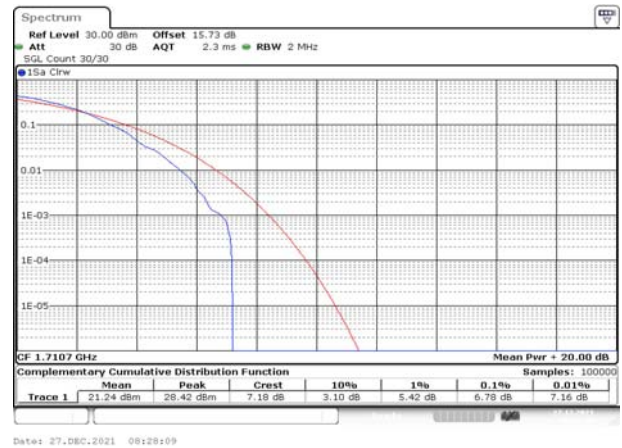


Fig.2

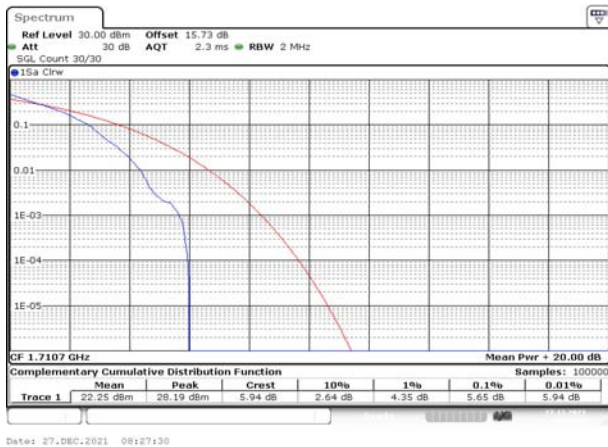


Fig.3

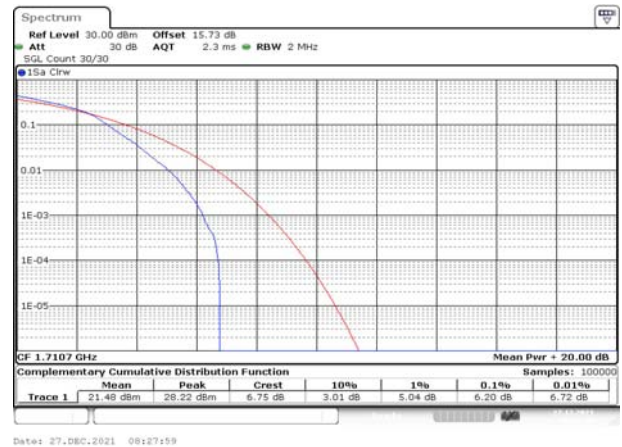


Fig.4

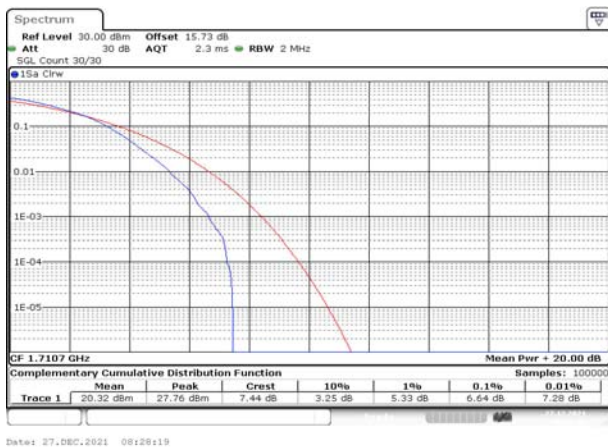


Fig.5

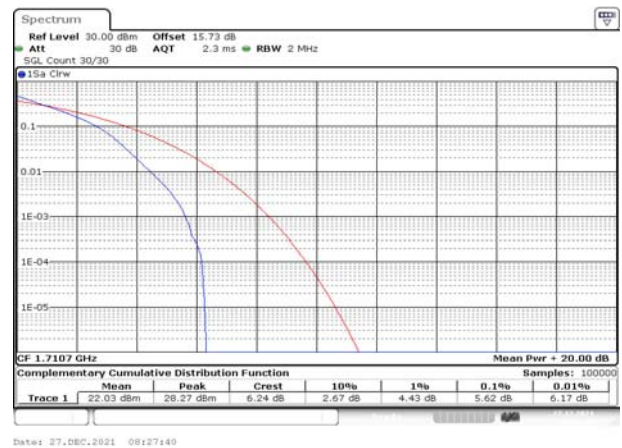


Fig.6

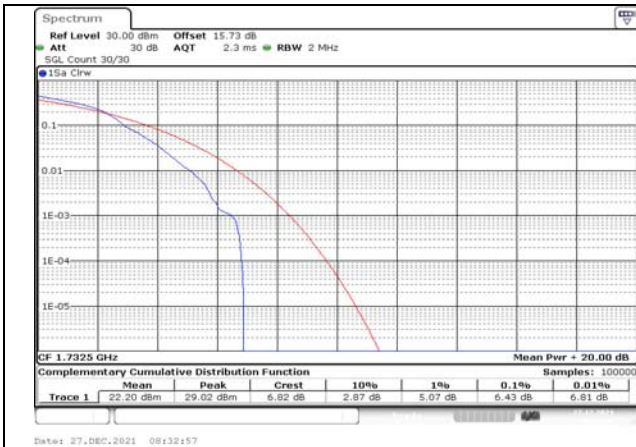


Fig.7

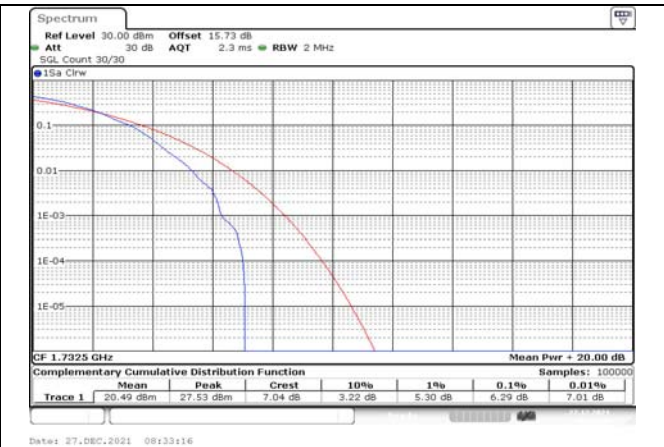


Fig.8

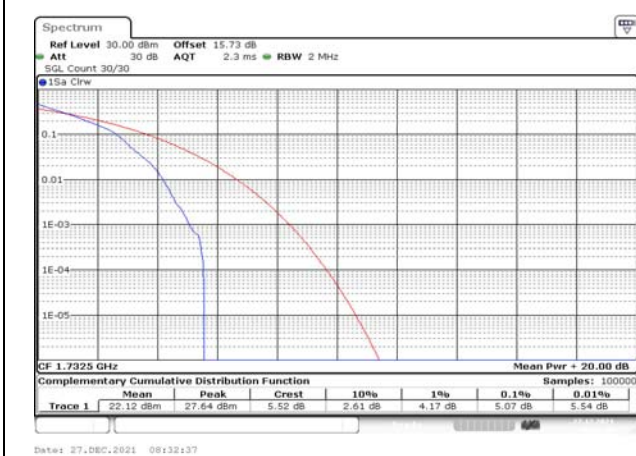


Fig.9

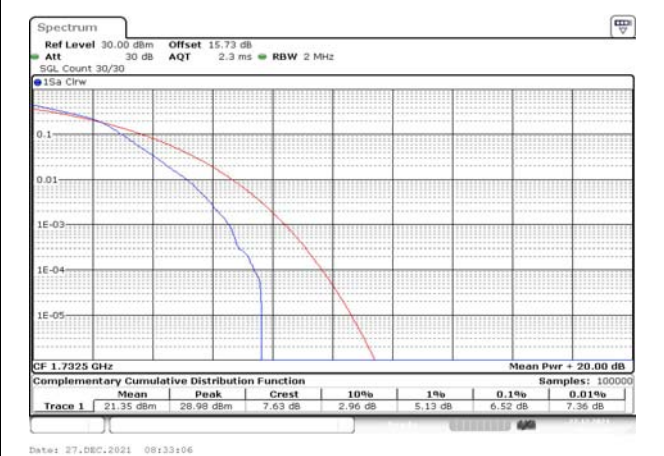


Fig.10

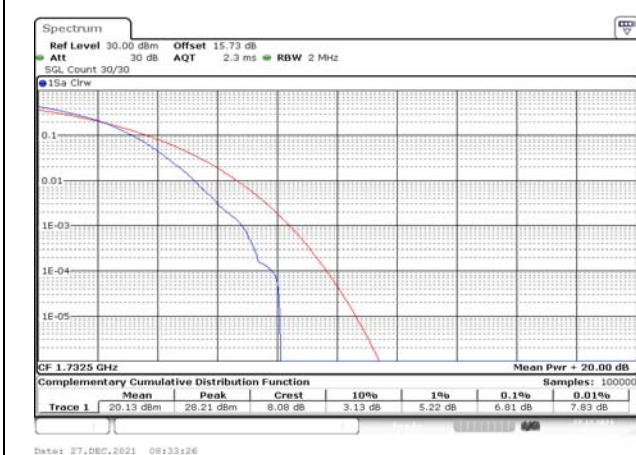


Fig.11

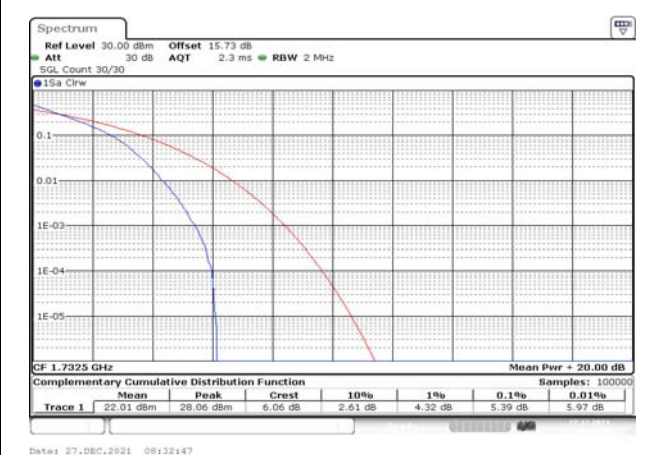


Fig.12

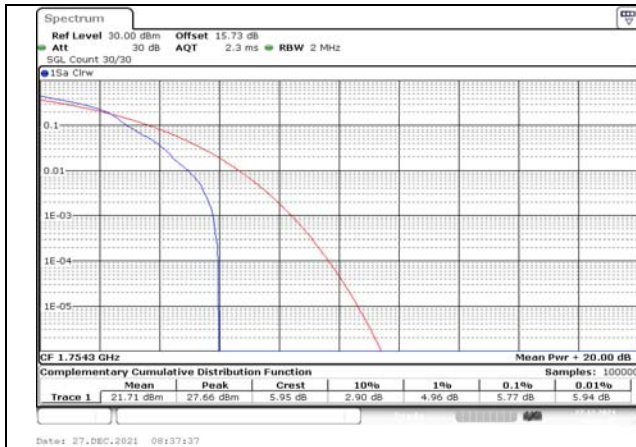


Fig.13

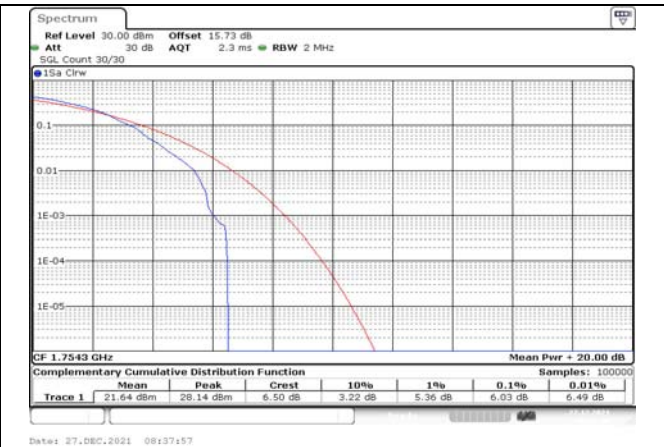


Fig.14

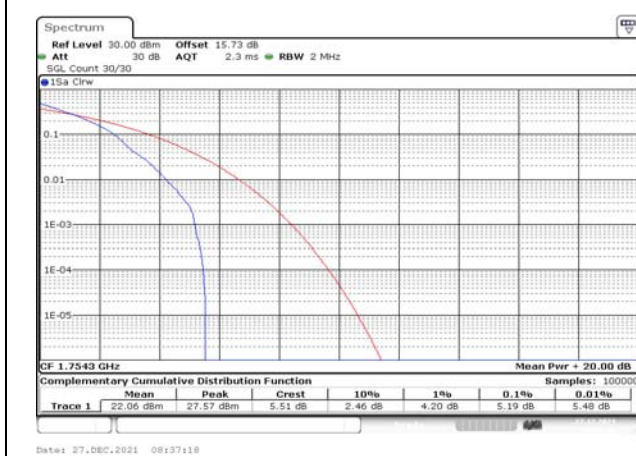


Fig.15

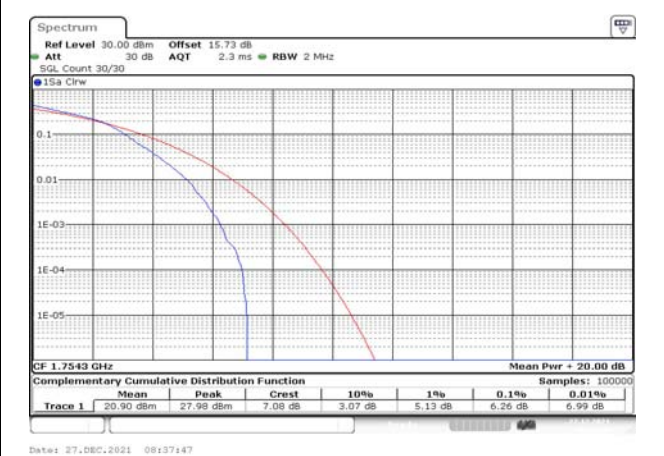


Fig.16

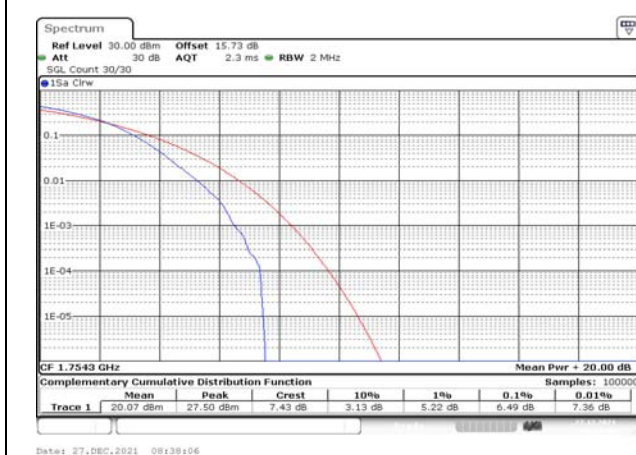


Fig.17

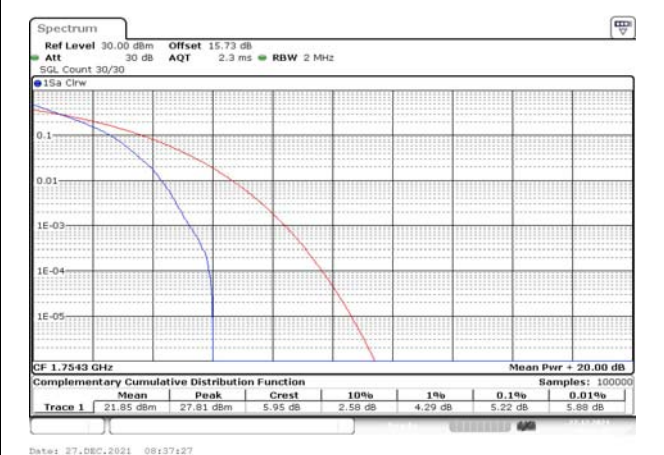


Fig.18

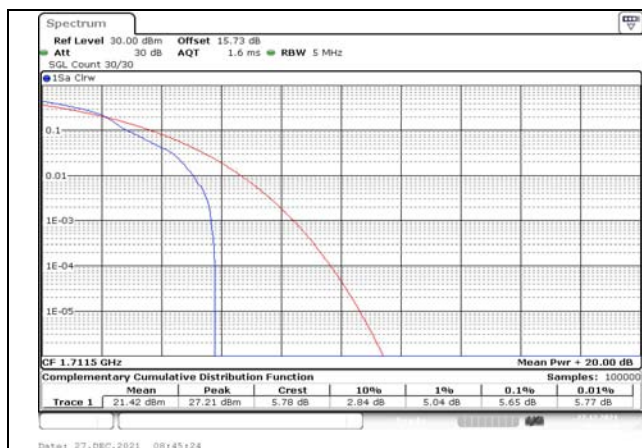


Fig.19

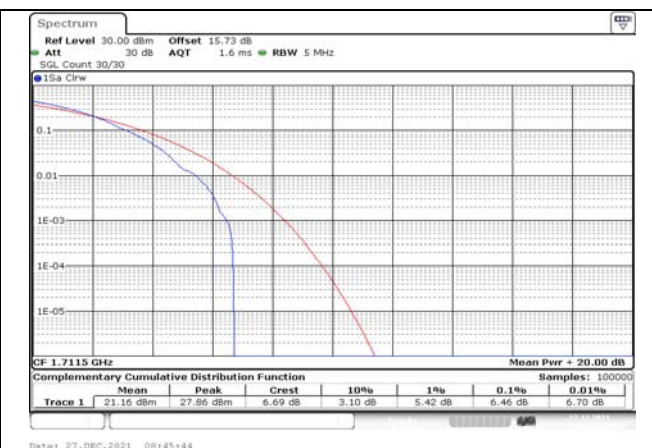


Fig.20

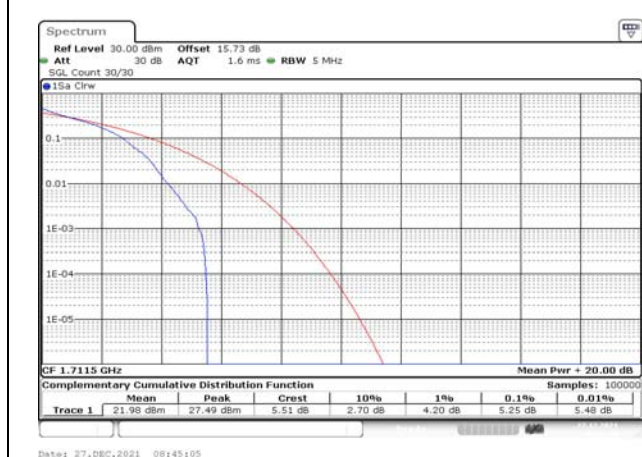


Fig.21

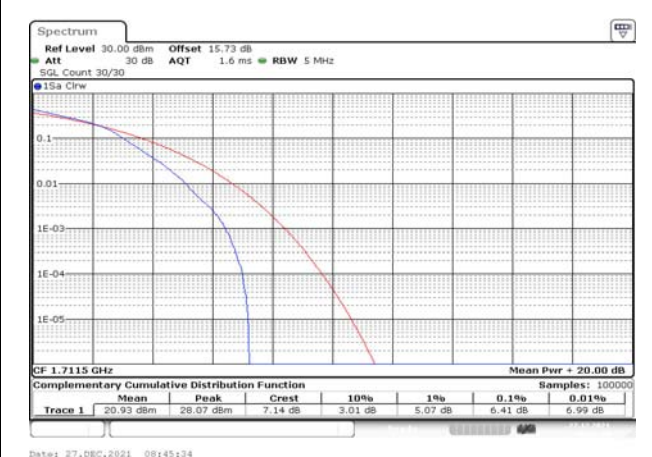


Fig.22

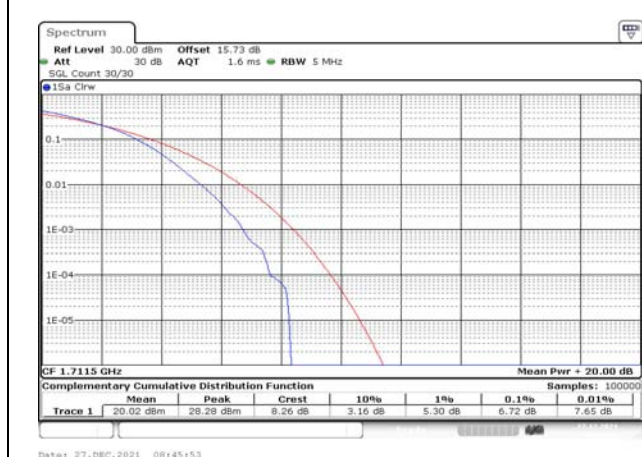


Fig.23

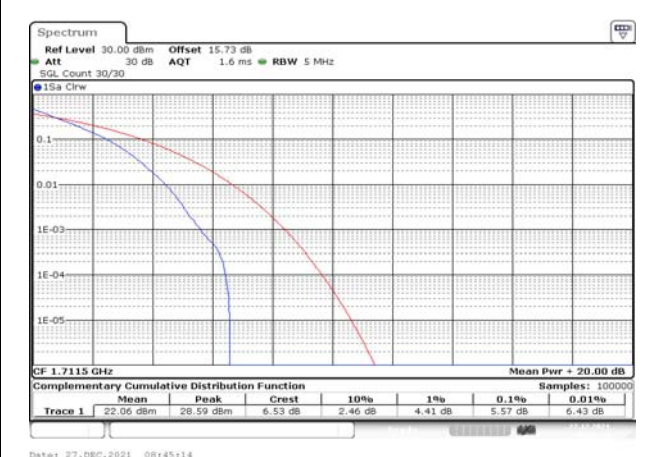


Fig.24