

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

**LTE Band 5**

**1 RF Power Output**

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	824.7	20407	1.4	1	0	21.70
16QAM	824.7	20407	1.4	1	3	22.04
16QAM	824.7	20407	1.4	1	5	21.97
16QAM	824.7	20407	1.4	3	0	22.04
16QAM	824.7	20407	1.4	3	1	22.07
16QAM	824.7	20407	1.4	3	3	21.87
16QAM	824.7	20407	1.4	6	0	20.86
16QAM	836.5	20525	1.4	1	0	22.52
16QAM	836.5	20525	1.4	1	3	22.41
16QAM	836.5	20525	1.4	1	5	22.42
16QAM	836.5	20525	1.4	3	0	21.96
16QAM	836.5	20525	1.4	3	1	22.03
16QAM	836.5	20525	1.4	3	3	22.07
16QAM	836.5	20525	1.4	6	0	21.29
16QAM	848.3	20643	1.4	1	0	22.23
16QAM	848.3	20643	1.4	1	3	22.21
16QAM	848.3	20643	1.4	1	5	22.29
16QAM	848.3	20643	1.4	3	0	22.01
16QAM	848.3	20643	1.4	3	1	22.04
16QAM	848.3	20643	1.4	3	3	22.02
16QAM	848.3	20643	1.4	6	0	21.24
64QAM	824.7	20407	1.4	1	0	22.06
64QAM	824.7	20407	1.4	1	3	22.32
64QAM	824.7	20407	1.4	1	5	22.20
64QAM	824.7	20407	1.4	3	0	22.05
64QAM	824.7	20407	1.4	3	1	22.08
64QAM	824.7	20407	1.4	3	3	21.99
64QAM	824.7	20407	1.4	6	0	20.76
64QAM	836.5	20525	1.4	1	0	22.38
64QAM	836.5	20525	1.4	1	3	22.51
64QAM	836.5	20525	1.4	1	5	22.46
64QAM	836.5	20525	1.4	3	0	22.02
64QAM	836.5	20525	1.4	3	1	22.09
64QAM	836.5	20525	1.4	3	3	22.14
64QAM	836.5	20525	1.4	6	0	21.12
64QAM	848.3	20643	1.4	1	0	22.11
64QAM	848.3	20643	1.4	1	3	22.28
64QAM	848.3	20643	1.4	1	5	22.31
64QAM	848.3	20643	1.4	3	0	22.21
64QAM	848.3	20643	1.4	3	1	22.23
64QAM	848.3	20643	1.4	3	3	22.08

64QAM	848.3	20643	1.4	6	0	20.88
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Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	824.7	20407	1.4	1	0	23.09
QPSK	824.7	20407	1.4	1	3	23.11
QPSK	824.7	20407	1.4	1	5	22.85
QPSK	824.7	20407	1.4	3	0	23.01
QPSK	824.7	20407	1.4	3	1	22.91
QPSK	824.7	20407	1.4	3	3	22.85
QPSK	824.7	20407	1.4	6	0	22.07
QPSK	836.5	20525	1.4	1	0	22.98
QPSK	836.5	20525	1.4	1	3	23.20
QPSK	836.5	20525	1.4	1	5	23.14
QPSK	836.5	20525	1.4	3	0	23.11
QPSK	836.5	20525	1.4	3	1	23.16
QPSK	836.5	20525	1.4	3	3	23.10
QPSK	836.5	20525	1.4	6	0	22.21
QPSK	848.3	20643	1.4	1	0	23.08
QPSK	848.3	20643	1.4	1	3	23.23
QPSK	848.3	20643	1.4	1	5	23.21
QPSK	848.3	20643	1.4	3	0	23.13
QPSK	848.3	20643	1.4	3	1	22.97
QPSK	848.3	20643	1.4	3	3	22.95
QPSK	848.3	20643	1.4	6	0	22.09

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	825.5	20415	3	1	0	22.31
16QAM	825.5	20415	3	1	8	22.99
16QAM	825.5	20415	3	1	14	22.51
16QAM	825.5	20415	3	8	0	21.31
16QAM	825.5	20415	3	8	4	21.35
16QAM	825.5	20415	3	8	7	21.27
16QAM	825.5	20415	3	15	0	21.06
16QAM	836.5	20525	3	1	0	22.31
16QAM	836.5	20525	3	1	8	22.47
16QAM	836.5	20525	3	1	14	22.53
16QAM	836.5	20525	3	8	0	20.88
16QAM	836.5	20525	3	8	4	20.98
16QAM	836.5	20525	3	8	7	21.23
16QAM	836.5	20525	3	15	0	21.02
16QAM	847.5	20635	3	1	0	22.21
16QAM	847.5	20635	3	1	8	22.23
16QAM	847.5	20635	3	1	14	22.37
16QAM	847.5	20635	3	8	0	20.90
16QAM	847.5	20635	3	8	4	20.98
16QAM	847.5	20635	3	8	7	21.14
16QAM	847.5	20635	3	15	0	21.05
64QAM	825.5	20415	3	1	0	22.17
64QAM	825.5	20415	3	1	8	22.24
64QAM	825.5	20415	3	1	14	22.76
64QAM	825.5	20415	3	8	0	21.26
64QAM	825.5	20415	3	8	4	21.67
64QAM	825.5	20415	3	8	7	21.56
64QAM	825.5	20415	3	15	0	21.07
64QAM	836.5	20525	3	1	0	22.16
64QAM	836.5	20525	3	1	8	22.52
64QAM	836.5	20525	3	1	14	22.50
64QAM	836.5	20525	3	8	0	21.30
64QAM	836.5	20525	3	8	4	21.28
64QAM	836.5	20525	3	8	7	21.18
64QAM	836.5	20525	3	15	0	20.90
64QAM	847.5	20635	3	1	0	22.38
64QAM	847.5	20635	3	1	8	22.11
64QAM	847.5	20635	3	1	14	22.17
64QAM	847.5	20635	3	8	0	20.93
64QAM	847.5	20635	3	8	4	21.12
64QAM	847.5	20635	3	8	7	21.26
64QAM	847.5	20635	3	15	0	21.14

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	825.5	20415	3	1	0	22.72
QPSK	825.5	20415	3	1	8	22.88
QPSK	825.5	20415	3	1	14	22.86
QPSK	825.5	20415	3	8	0	22.03
QPSK	825.5	20415	3	8	4	22.09
QPSK	825.5	20415	3	8	7	22.00
QPSK	825.5	20415	3	15	0	22.02
QPSK	836.5	20525	3	1	0	22.92
QPSK	836.5	20525	3	1	8	23.17
QPSK	836.5	20525	3	1	14	23.25
QPSK	836.5	20525	3	8	0	22.09
QPSK	836.5	20525	3	8	4	22.18
QPSK	836.5	20525	3	8	7	22.18
QPSK	836.5	20525	3	15	0	21.99
QPSK	847.5	20635	3	1	0	23.19
QPSK	847.5	20635	3	1	8	23.05
QPSK	847.5	20635	3	1	14	23.26
QPSK	847.5	20635	3	8	0	22.11
QPSK	847.5	20635	3	8	4	22.09
QPSK	847.5	20635	3	8	7	22.21
QPSK	847.5	20635	3	15	0	22.13

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	826.5	20425	5	1	0	21.68
16QAM	826.5	20425	5	1	12	22.18
16QAM	826.5	20425	5	1	24	21.91
16QAM	826.5	20425	5	12	0	21.19
16QAM	826.5	20425	5	12	7	21.19
16QAM	826.5	20425	5	12	13	20.67
16QAM	826.5	20425	5	25	0	20.98
16QAM	836.5	20525	5	1	0	22.04
16QAM	836.5	20525	5	1	12	22.28
16QAM	836.5	20525	5	1	24	21.96
16QAM	836.5	20525	5	12	0	20.85
16QAM	836.5	20525	5	12	7	21.00
16QAM	836.5	20525	5	12	13	21.02
16QAM	836.5	20525	5	25	0	21.08
16QAM	846.5	20625	5	1	0	22.24
16QAM	846.5	20625	5	1	12	22.32
16QAM	846.5	20625	5	1	24	22.07
16QAM	846.5	20625	5	12	0	21.06
16QAM	846.5	20625	5	12	7	21.07
16QAM	846.5	20625	5	12	13	21.01
16QAM	846.5	20625	5	25	0	21.05
64QAM	826.5	20425	5	1	0	21.93
64QAM	826.5	20425	5	1	12	22.21
64QAM	826.5	20425	5	1	24	21.34
64QAM	826.5	20425	5	12	0	20.93
64QAM	826.5	20425	5	12	7	21.06
64QAM	826.5	20425	5	12	13	20.92
64QAM	826.5	20425	5	25	0	21.06
64QAM	836.5	20525	5	1	0	21.58
64QAM	836.5	20525	5	1	12	22.11
64QAM	836.5	20525	5	1	24	21.68
64QAM	836.5	20525	5	12	0	20.97
64QAM	836.5	20525	5	12	7	21.12
64QAM	836.5	20525	5	12	13	21.14
64QAM	836.5	20525	5	25	0	21.09
64QAM	846.5	20625	5	1	0	22.23
64QAM	846.5	20625	5	1	12	22.76
64QAM	846.5	20625	5	1	24	22.32
64QAM	846.5	20625	5	12	0	21.14
64QAM	846.5	20625	5	12	7	20.94
64QAM	846.5	20625	5	12	13	20.99
64QAM	846.5	20625	5	25	0	20.93

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	826.5	20425	5	1	0	22.97
QPSK	826.5	20425	5	1	12	22.93
QPSK	826.5	20425	5	1	24	22.72
QPSK	826.5	20425	5	12	0	22.16
QPSK	826.5	20425	5	12	7	22.16
QPSK	826.5	20425	5	12	13	21.91
QPSK	826.5	20425	5	25	0	21.96
QPSK	836.5	20525	5	1	0	22.82
QPSK	836.5	20525	5	1	12	23.20
QPSK	836.5	20525	5	1	24	23.15
QPSK	836.5	20525	5	12	0	22.01
QPSK	836.5	20525	5	12	7	22.14
QPSK	836.5	20525	5	12	13	22.15
QPSK	836.5	20525	5	25	0	22.09
QPSK	846.5	20625	5	1	0	22.82
QPSK	846.5	20625	5	1	12	22.98
QPSK	846.5	20625	5	1	24	22.86
QPSK	846.5	20625	5	12	0	22.11
QPSK	846.5	20625	5	12	7	22.12
QPSK	846.5	20625	5	12	13	22.15
QPSK	846.5	20625	5	25	0	22.08

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	829	20450	10	1	0	22.23
16QAM	829	20450	10	1	25	22.49
16QAM	829	20450	10	1	49	21.77
16QAM	829	20450	10	25	0	21.27
16QAM	829	20450	10	25	12	21.08
16QAM	829	20450	10	25	25	21.12
16QAM	829	20450	10	50	0	21.15
16QAM	836.5	20525	10	1	0	22.32
16QAM	836.5	20525	10	1	25	22.55
16QAM	836.5	20525	10	1	49	22.36
16QAM	836.5	20525	10	25	0	20.99
16QAM	836.5	20525	10	25	12	21.13
16QAM	836.5	20525	10	25	25	21.08
16QAM	836.5	20525	10	50	0	20.96
16QAM	844	20600	10	1	0	21.88
16QAM	844	20600	10	1	25	22.25
16QAM	844	20600	10	1	49	21.98
16QAM	844	20600	10	25	0	21.15
16QAM	844	20600	10	25	12	21.14
16QAM	844	20600	10	25	25	21.01
16QAM	844	20600	10	50	0	20.93
64QAM	829	20450	10	1	0	22.30
64QAM	829	20450	10	1	25	22.40
64QAM	829	20450	10	1	49	21.97
64QAM	829	20450	10	25	0	21.13
64QAM	829	20450	10	25	12	21.14
64QAM	829	20450	10	25	25	20.98
64QAM	829	20450	10	50	0	21.09
64QAM	836.5	20525	10	1	0	22.55
64QAM	836.5	20525	10	1	25	22.40
64QAM	836.5	20525	10	1	49	22.41
64QAM	836.5	20525	10	25	0	21.00
64QAM	836.5	20525	10	25	12	21.13
64QAM	836.5	20525	10	25	25	20.93
64QAM	836.5	20525	10	50	0	21.06
64QAM	844	20600	10	1	0	21.59
64QAM	844	20600	10	1	25	22.27
64QAM	844	20600	10	1	49	21.58
64QAM	844	20600	10	25	0	21.26
64QAM	844	20600	10	25	12	21.16
64QAM	844	20600	10	25	25	21.03
64QAM	844	20600	10	50	0	20.92

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	829	20450	10	1	0	22.87
QPSK	829	20450	10	1	25	22.90
QPSK	829	20450	10	1	49	22.74
QPSK	829	20450	10	25	0	22.09
QPSK	829	20450	10	25	12	22.07
QPSK	829	20450	10	25	25	21.99
QPSK	829	20450	10	50	0	22.11
QPSK	836.5	20525	10	1	0	23.05
QPSK	836.5	20525	10	1	25	23.18
QPSK	836.5	20525	10	1	49	23.09
QPSK	836.5	20525	10	25	0	22.07
QPSK	836.5	20525	10	25	12	22.09
QPSK	836.5	20525	10	25	25	22.15
QPSK	836.5	20525	10	50	0	21.95
QPSK	844	20600	10	1	0	23.00
QPSK	844	20600	10	1	25	23.08
QPSK	844	20600	10	1	49	22.90
QPSK	844	20600	10	25	0	22.02
QPSK	844	20600	10	25	12	22.19
QPSK	844	20600	10	25	25	21.97
QPSK	844	20600	10	50	0	21.98



## 2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
5	QPSK	824.7	20407	1.4	6	0	1.082	Fig.1
5	QPSK	836.5	20525	1.4	6	0	1.082	Fig.2
5	QPSK	848.3	20643	1.4	6	0	1.088	Fig.3
5	QPSK	825.5	20415	3	15	0	2.683	Fig.4
5	QPSK	836.5	20525	3	15	0	2.683	Fig.5
5	QPSK	847.5	20635	3	15	0	2.683	Fig.6
5	QPSK	826.5	20425	5	25	0	4.472	Fig.7
5	QPSK	836.5	20525	5	25	0	4.472	Fig.8
5	QPSK	846.5	20625	5	25	0	4.472	Fig.9
5	QPSK	829	20450	10	50	0	8.944	Fig.10
5	QPSK	836.5	20525	10	50	0	8.944	Fig.11
5	QPSK	844	20600	10	50	0	8.944	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
5	16QAM	824.7	20407	1.4	6	0	1.088	Fig.13
5	16QAM	836.5	20525	1.4	6	0	1.088	Fig.14
5	16QAM	848.3	20643	1.4	6	0	1.082	Fig.15
5	16QAM	825.5	20415	3	15	0	2.683	Fig.16
5	16QAM	836.5	20525	3	15	0	2.696	Fig.17
5	16QAM	847.5	20635	3	15	0	2.683	Fig.18
5	16QAM	826.5	20425	5	25	0	4.472	Fig.19
5	16QAM	836.5	20525	5	25	0	4.472	Fig.20
5	16QAM	846.5	20625	5	25	0	4.472	Fig.21
5	16QAM	829	20450	10	50	0	8.944	Fig.22
5	16QAM	836.5	20525	10	50	0	8.944	Fig.23
5	16QAM	844	20600	10	50	0	8.900	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
5	64QAM	824.7	20407	1.4	6	0	1.088	Fig.25
5	64QAM	836.5	20525	1.4	6	0	1.088	Fig.26
5	64QAM	848.3	20643	1.4	6	0	1.082	Fig.27
5	64QAM	825.5	20415	3	15	0	2.683	Fig.28
5	64QAM	836.5	20525	3	15	0	2.683	Fig.29
5	64QAM	847.5	20635	3	15	0	2.683	Fig.30
5	64QAM	826.5	20425	5	25	0	4.472	Fig.31
5	64QAM	836.5	20525	5	25	0	4.472	Fig.32
5	64QAM	846.5	20625	5	25	0	4.472	Fig.33
5	64QAM	829	20450	10	50	0	8.944	Fig.34
5	64QAM	836.5	20525	10	50	0	8.944	Fig.35
5	64QAM	844	20600	10	50	0	8.944	Fig.36

Test Mode: QPSK

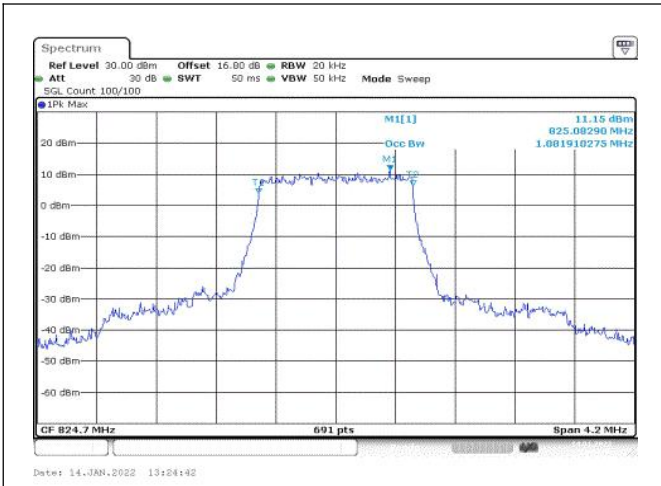


Fig.1

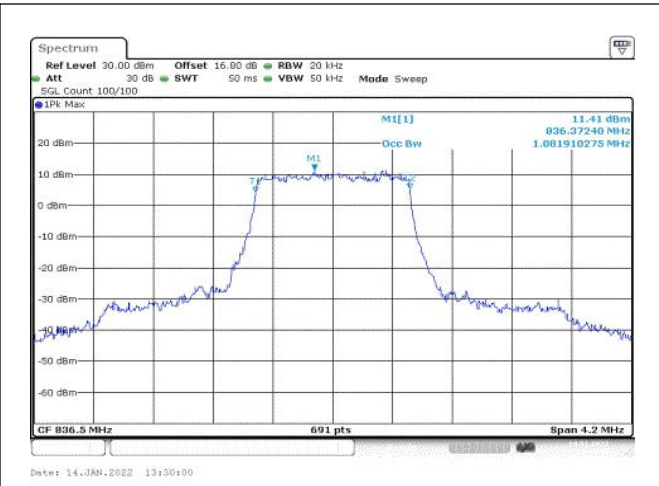


Fig.2

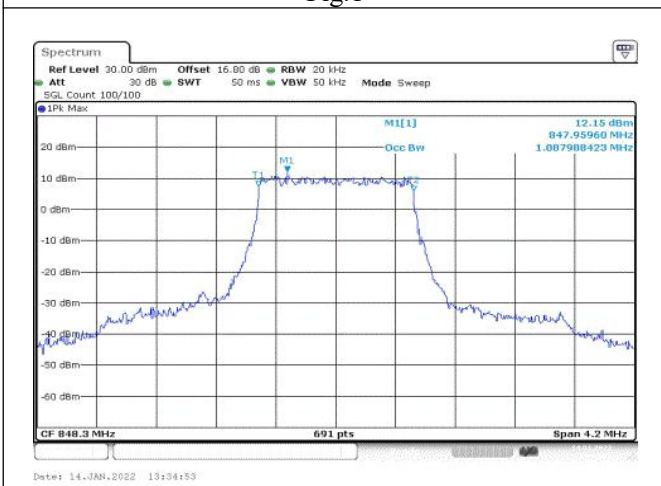


Fig.3

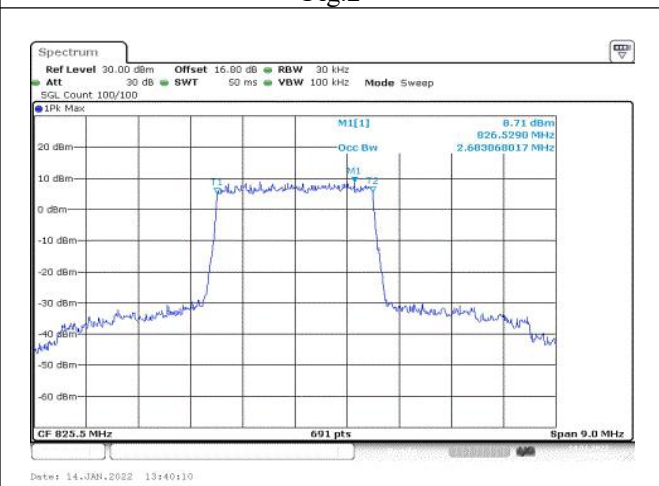


Fig.4

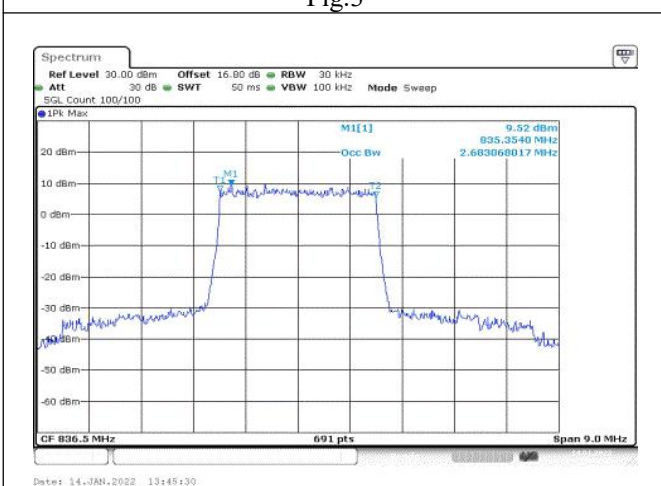


Fig.5

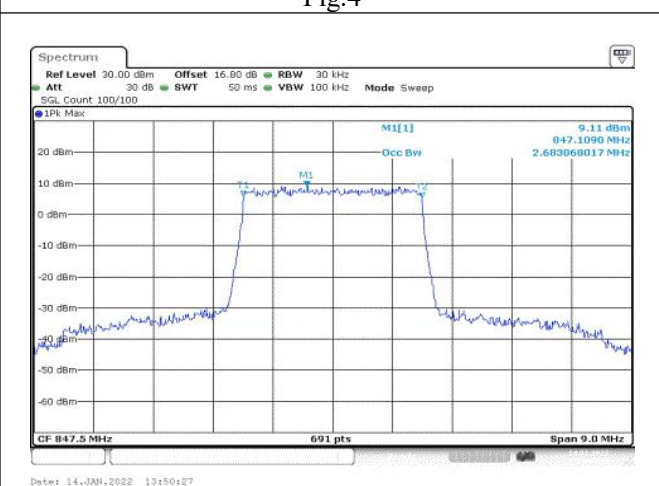


Fig.6

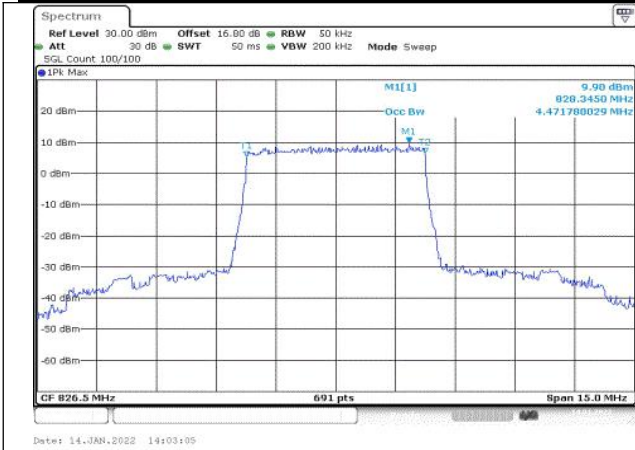


Fig.7

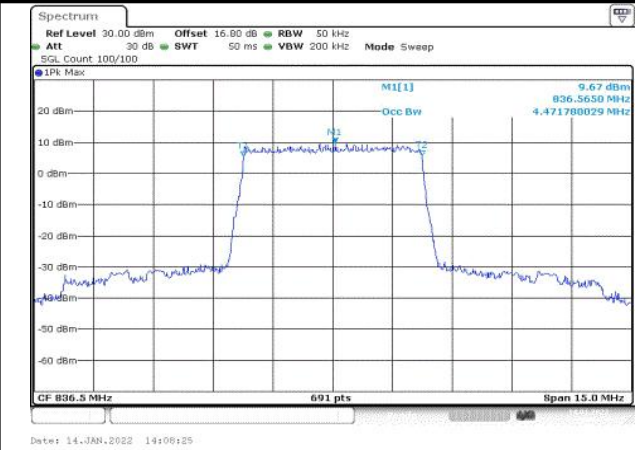


Fig.8

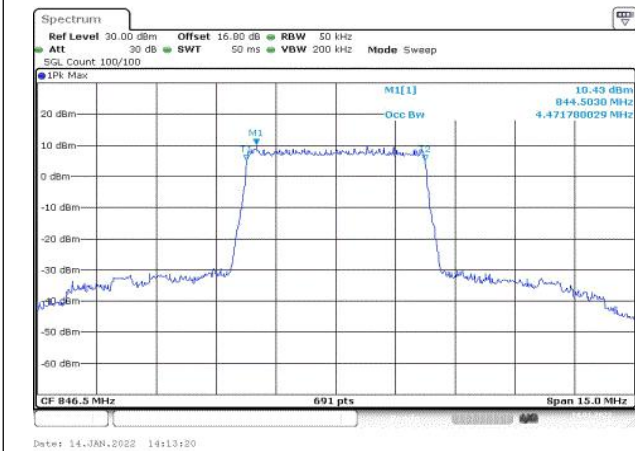


Fig.9

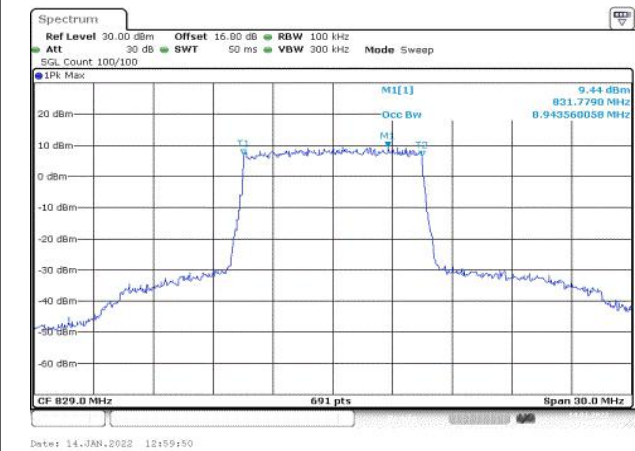


Fig.10

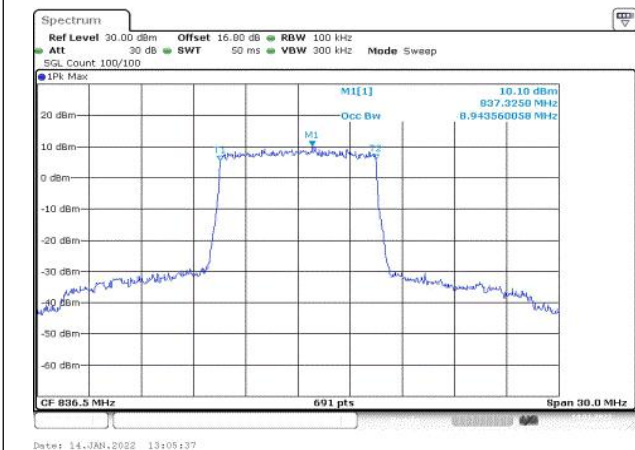


Fig.11

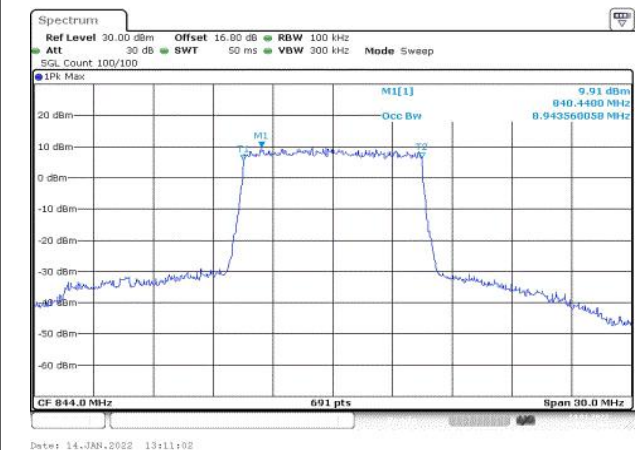


Fig.12

Test Mode: 16QAM

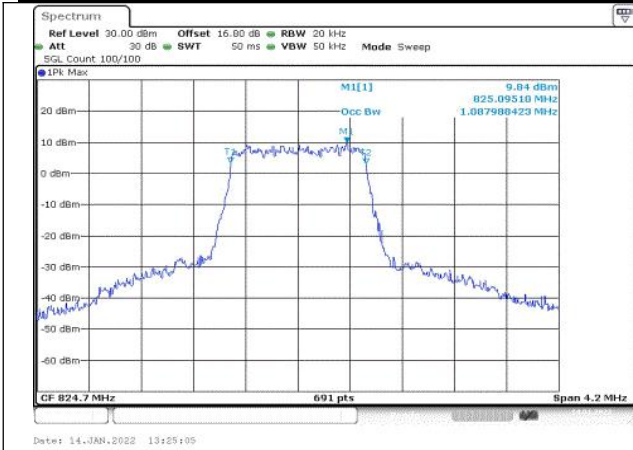


Fig.13

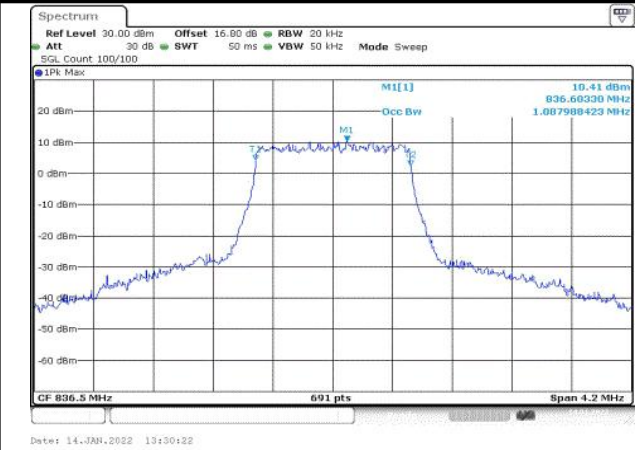


Fig.14

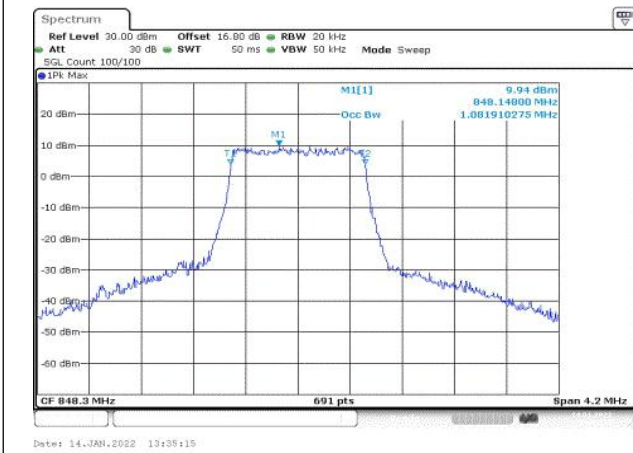


Fig.15

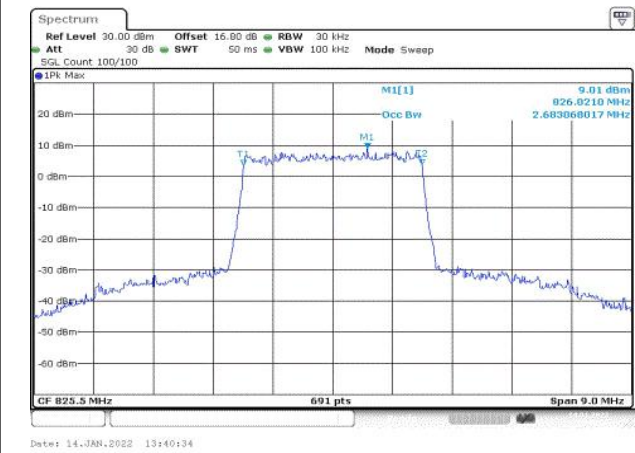


Fig.16

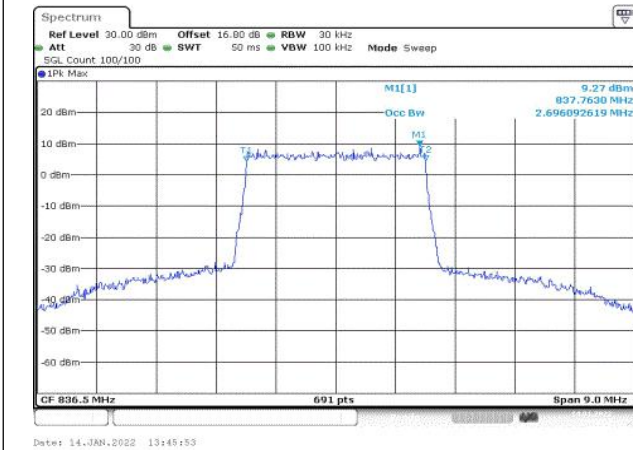


Fig.17

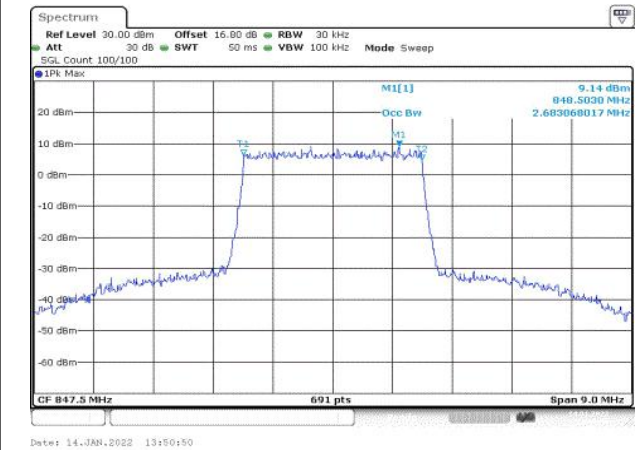


Fig.18

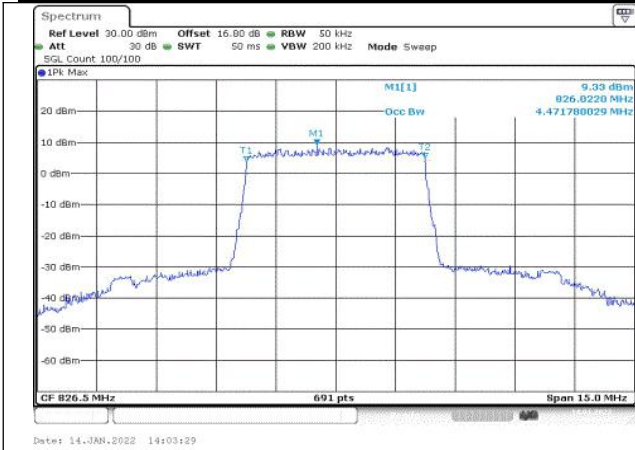


Fig.19



Fig.20

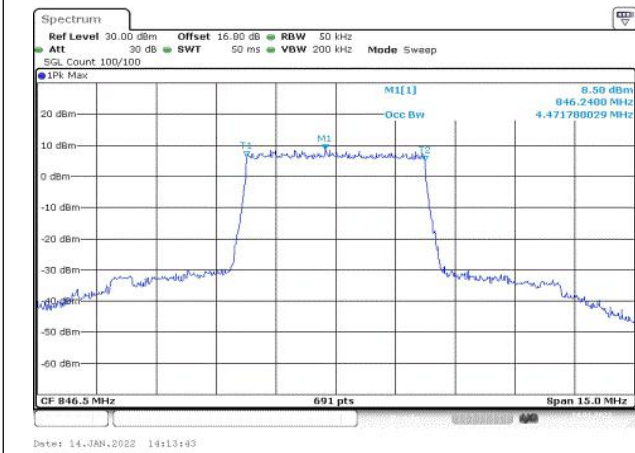


Fig.21

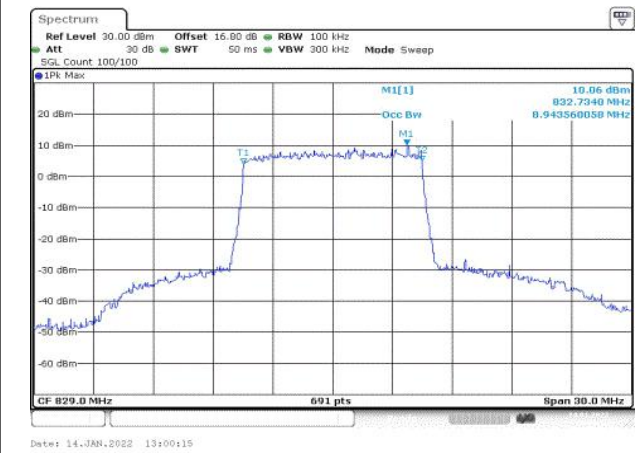


Fig.22

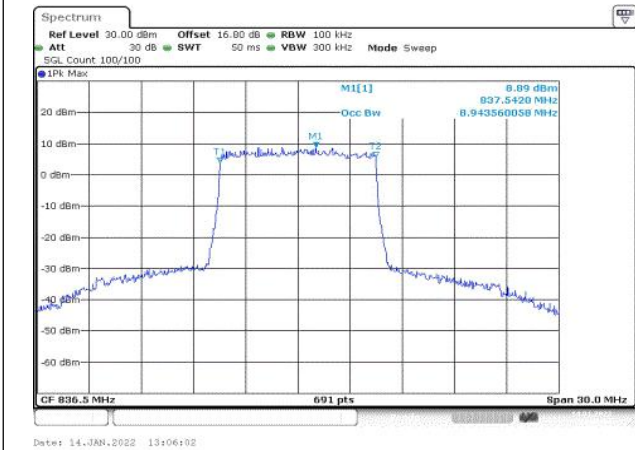


Fig.23



Fig.24

Test Mode: 64QAM

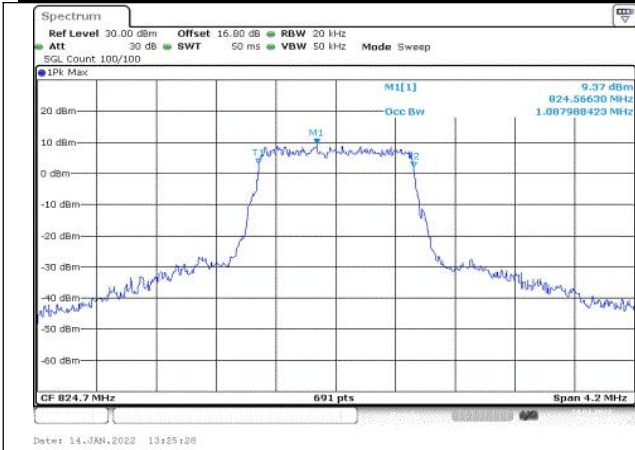


Fig.25

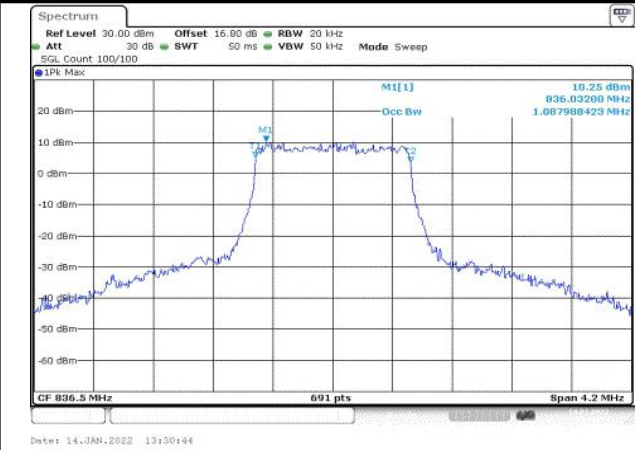


Fig.26

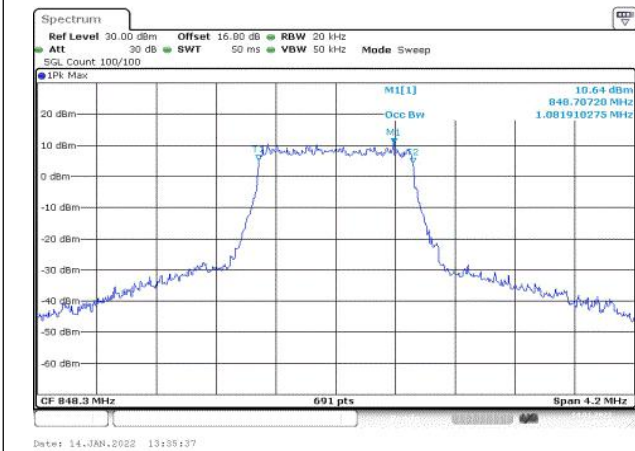


Fig.27

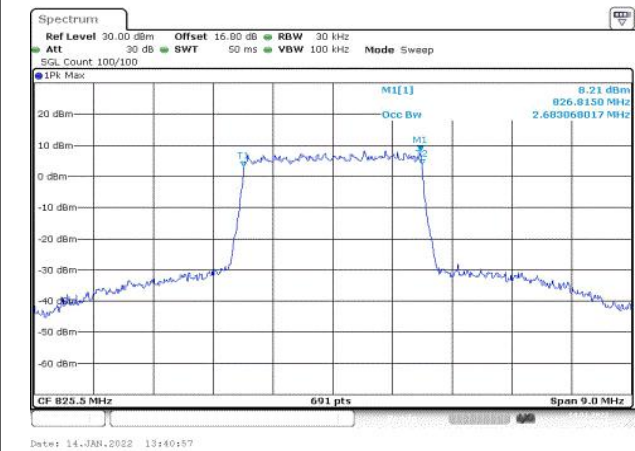


Fig.28

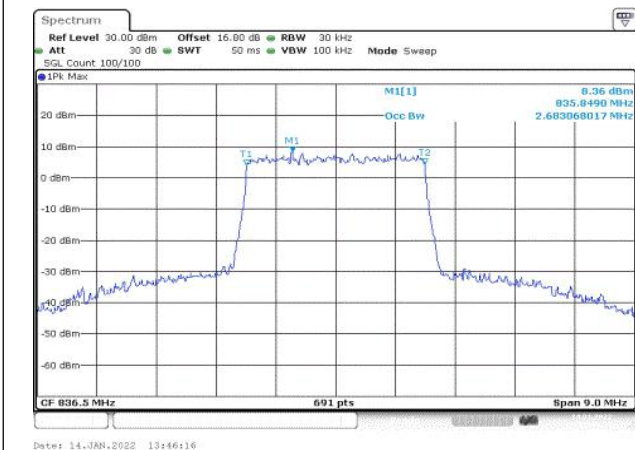


Fig.29

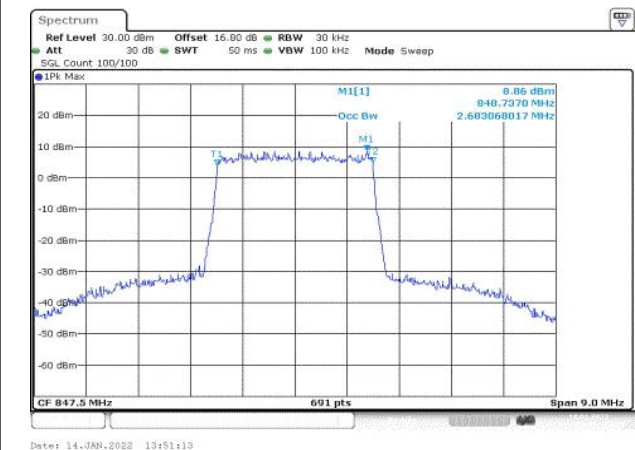


Fig.30

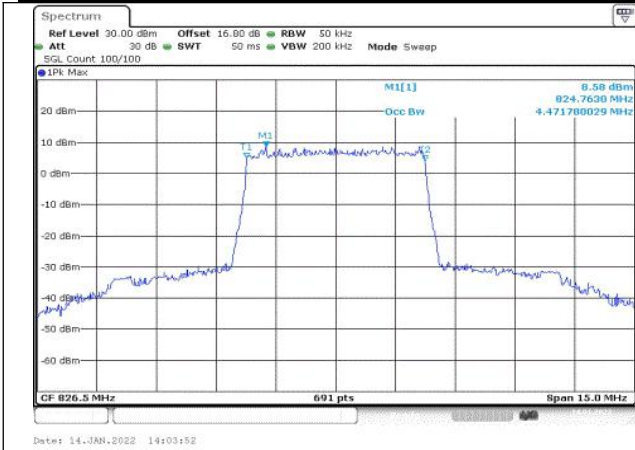


Fig.31

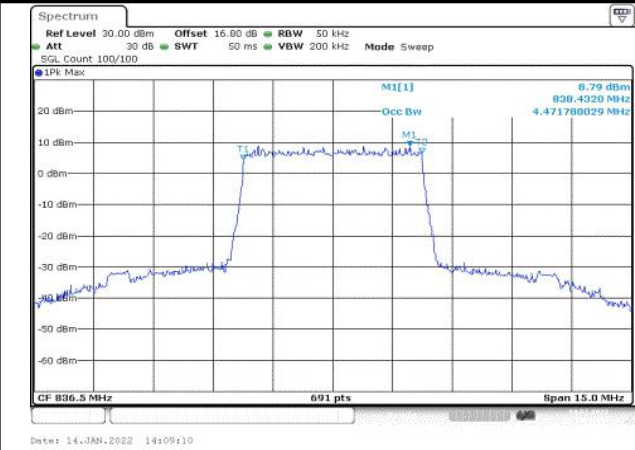


Fig.32

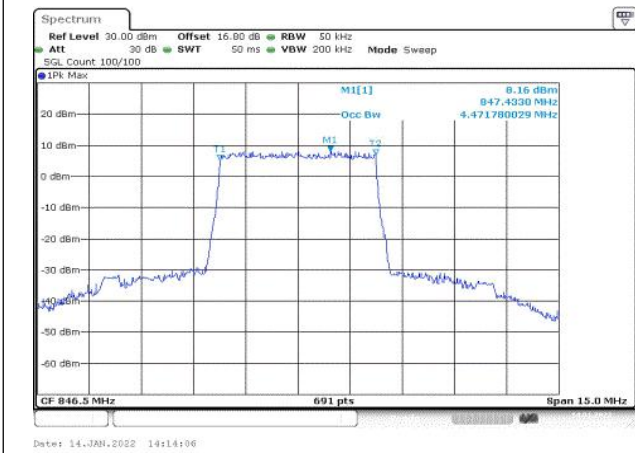


Fig.33

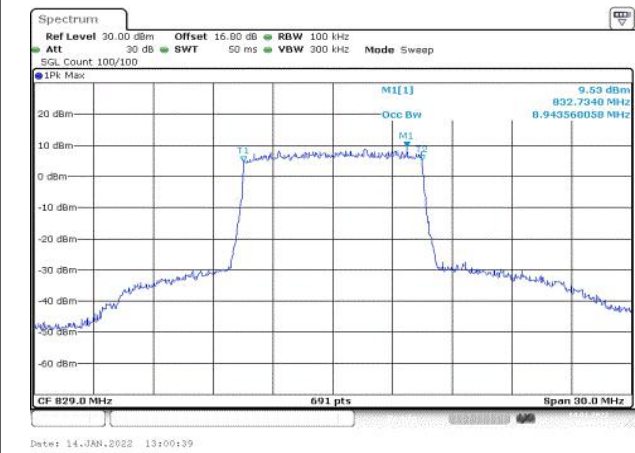


Fig.34

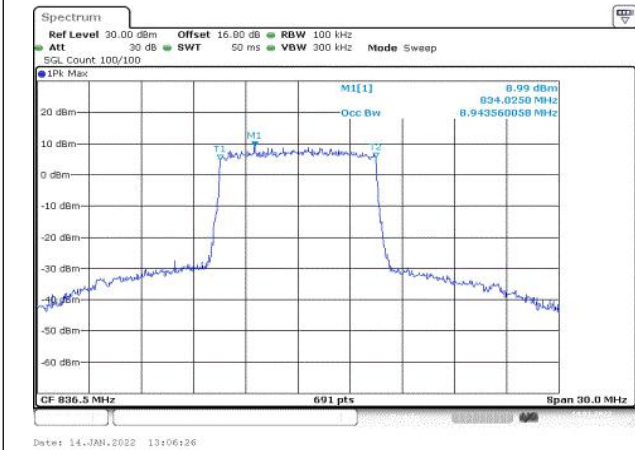


Fig.35

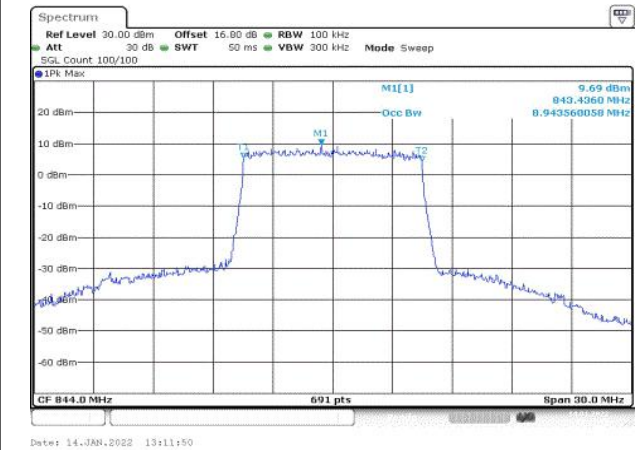


Fig.36

### 3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
5	QPSK	824.7	20407	1.4	6	0	1.246	Fig.1
5	QPSK	836.5	20525	1.4	6	0	1.264	Fig.2
5	QPSK	848.3	20643	1.4	6	0	1.258	Fig.3
5	QPSK	825.5	20415	3	15	0	2.918	Fig.4
5	QPSK	836.5	20525	3	15	0	2.918	Fig.5
5	QPSK	847.5	20635	3	15	0	2.931	Fig.6
5	QPSK	826.5	20425	5	25	0	4.906	Fig.7
5	QPSK	836.5	20525	5	25	0	4.928	Fig.8
5	QPSK	846.5	20625	5	25	0	4.906	Fig.9
5	QPSK	829	20450	10	50	0	9.682	Fig.10
5	QPSK	836.5	20525	10	50	0	9.638	Fig.11
5	QPSK	844	20600	10	50	0	9.682	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
5	16QAM	824.7	20407	1.4	6	0	1.283	Fig.13
5	16QAM	836.5	20525	1.4	6	0	1.283	Fig.14
5	16QAM	848.3	20643	1.4	6	0	1.252	Fig.15
5	16QAM	825.5	20415	3	15	0	2.918	Fig.16
5	16QAM	836.5	20525	3	15	0	2.931	Fig.17
5	16QAM	847.5	20635	3	15	0	2.944	Fig.18
5	16QAM	826.5	20425	5	25	0	4.906	Fig.19
5	16QAM	836.5	20525	5	25	0	4.884	Fig.20
5	16QAM	846.5	20625	5	25	0	4.884	Fig.21
5	16QAM	829	20450	10	50	0	9.682	Fig.22
5	16QAM	836.5	20525	10	50	0	9.638	Fig.23
5	16QAM	844	20600	10	50	0	9.682	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
5	64QAM	824.7	20407	1.4	6	0	1.283	Fig.25
5	64QAM	836.5	20525	1.4	6	0	1.258	Fig.26
5	64QAM	848.3	20643	1.4	6	0	1.264	Fig.27
5	64QAM	825.5	20415	3	15	0	2.918	Fig.28
5	64QAM	836.5	20525	3	15	0	2.918	Fig.29
5	64QAM	847.5	20635	3	15	0	2.931	Fig.30
5	64QAM	826.5	20425	5	25	0	4.906	Fig.31
5	64QAM	836.5	20525	5	25	0	4.906	Fig.32
5	64QAM	846.5	20625	5	25	0	4.906	Fig.33
5	64QAM	829	20450	10	50	0	9.595	Fig.34
5	64QAM	836.5	20525	10	50	0	9.638	Fig.35
5	64QAM	844	20600	10	50	0	9.725	Fig.36



Test Mode: QPSK

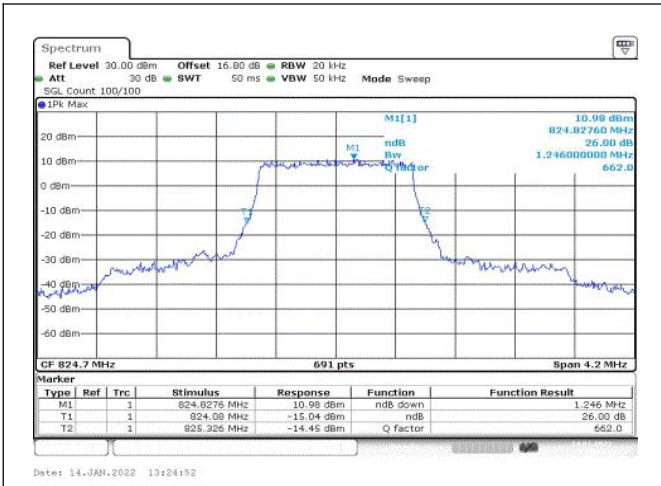


Fig.1

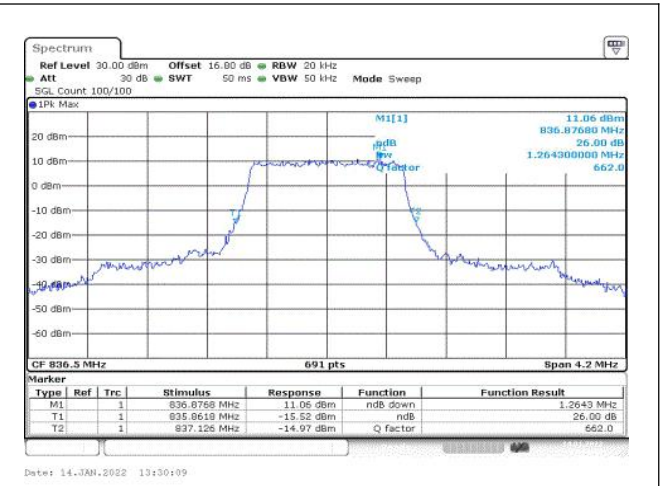


Fig.2



Fig.3

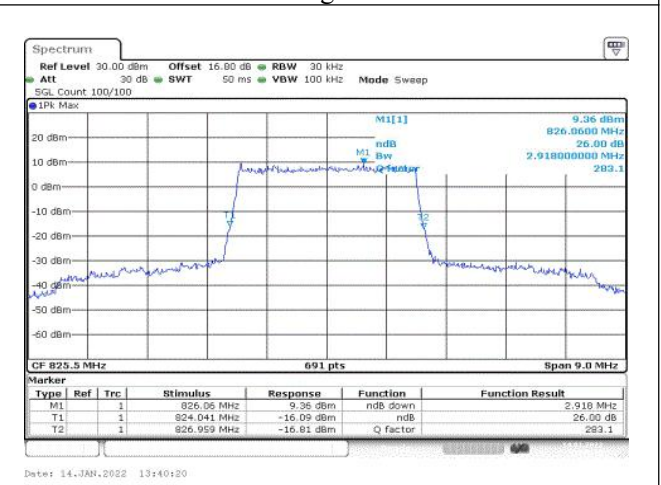


Fig.4

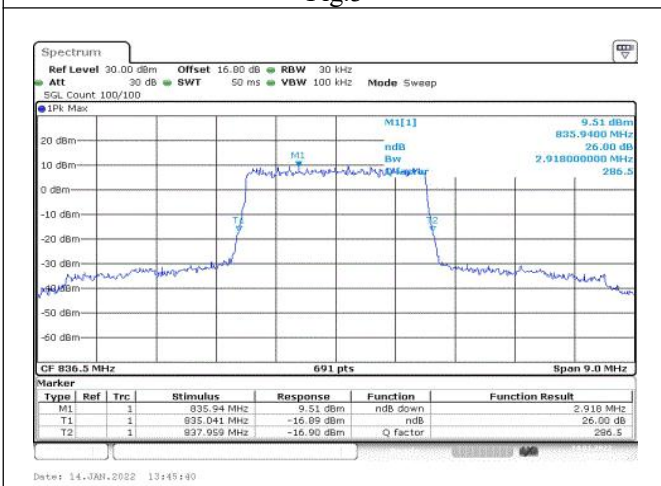


Fig.5

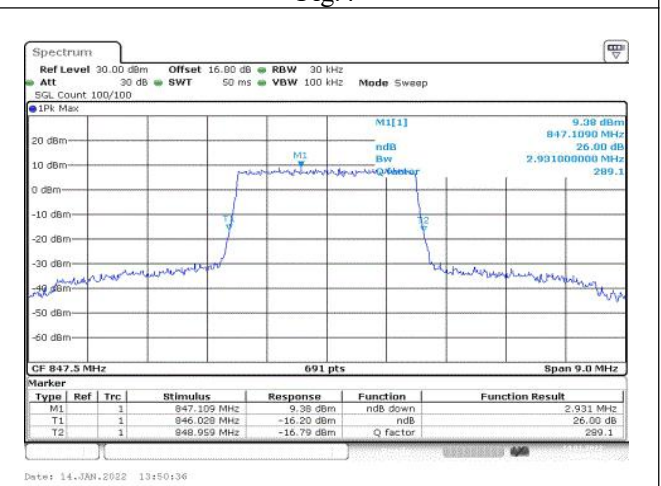


Fig.6

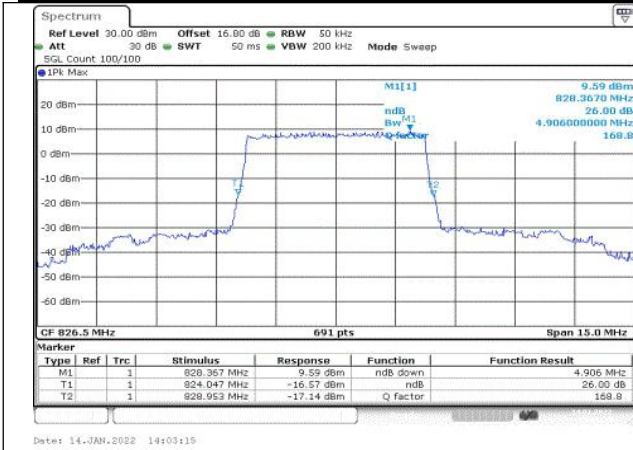


Fig.7

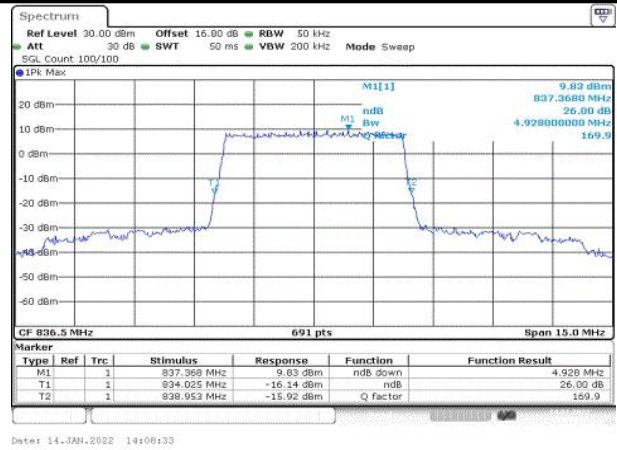


Fig.8

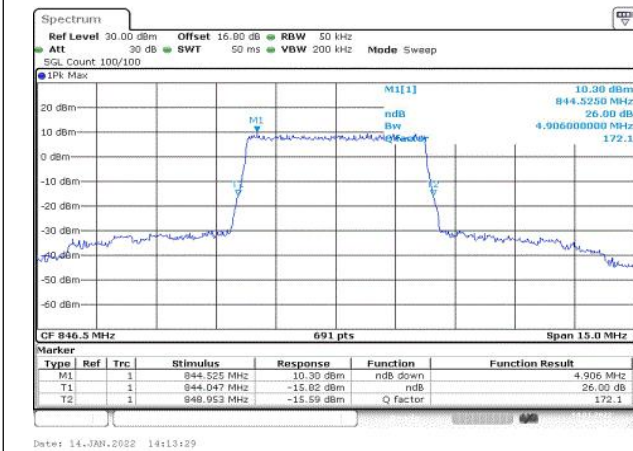


Fig.9

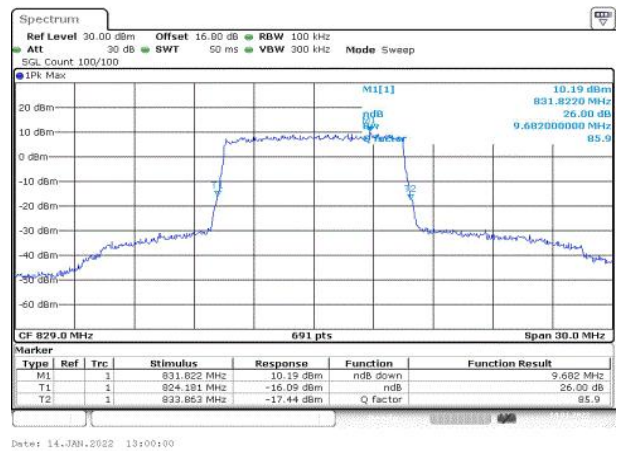


Fig.10

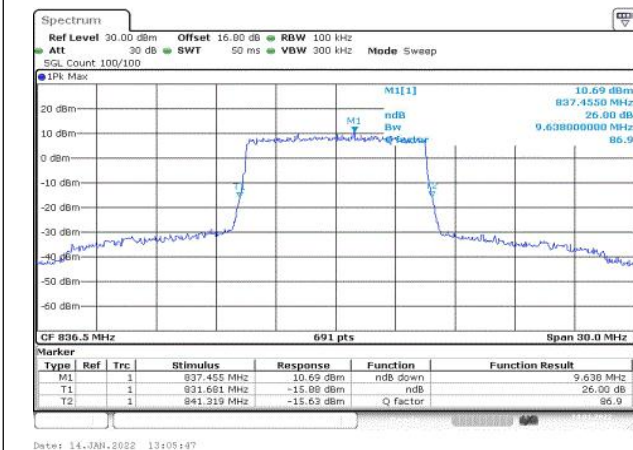


Fig.11

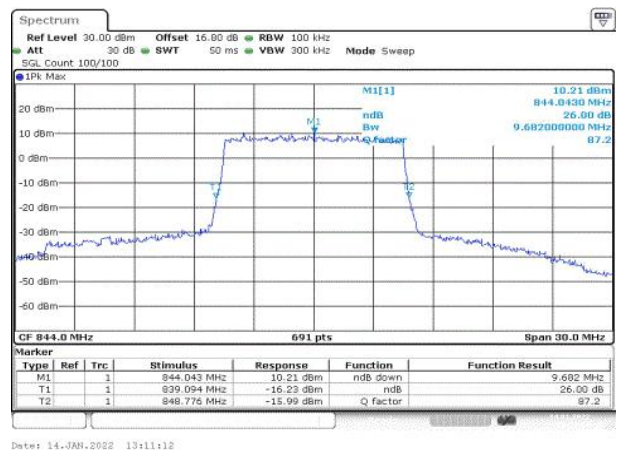


Fig.12

Test Mode: 16QAM

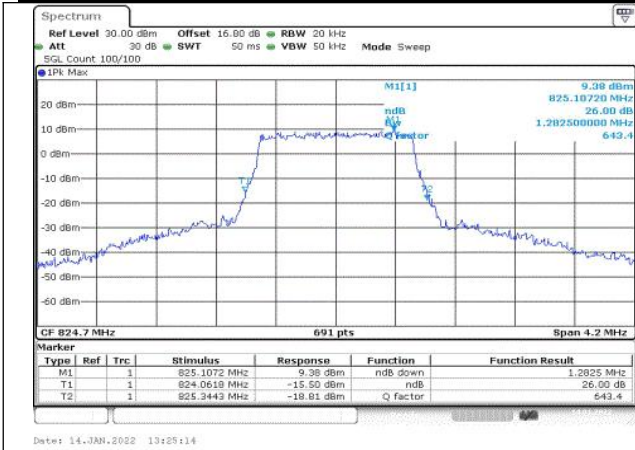


Fig.13

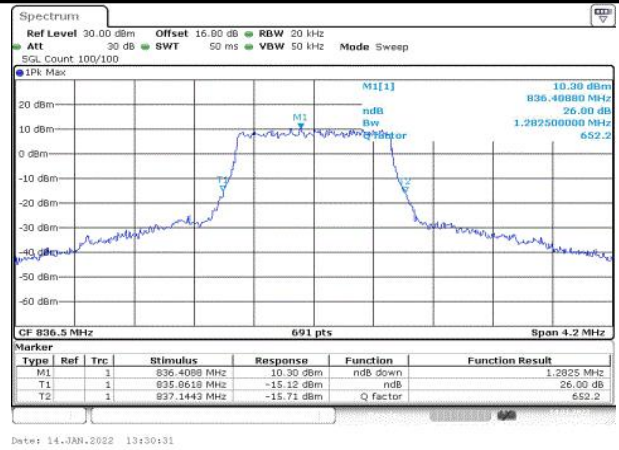


Fig.14

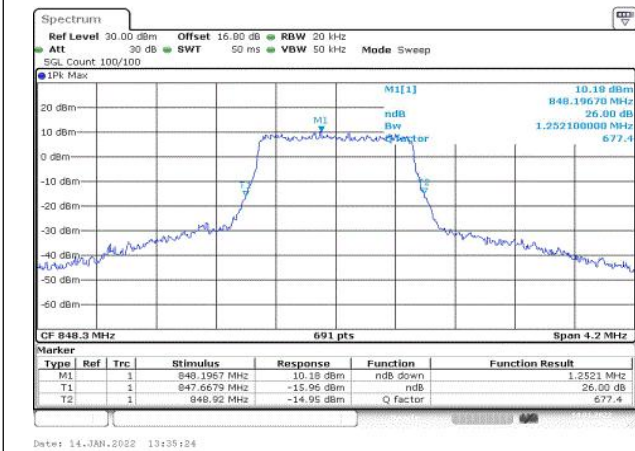


Fig.15

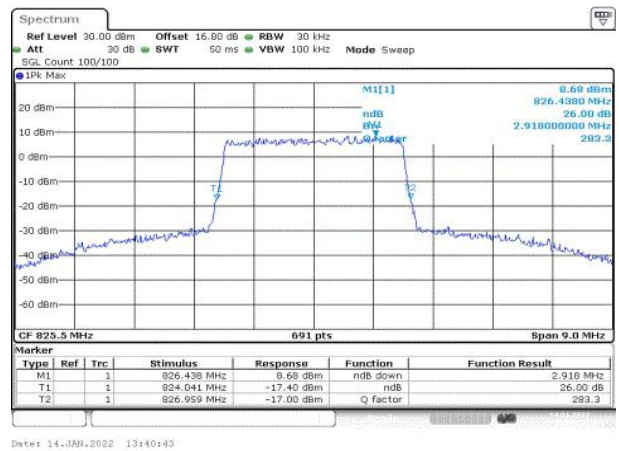


Fig.16

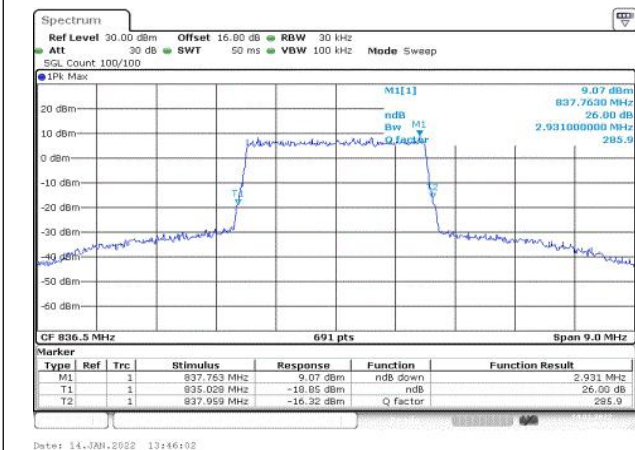


Fig.17

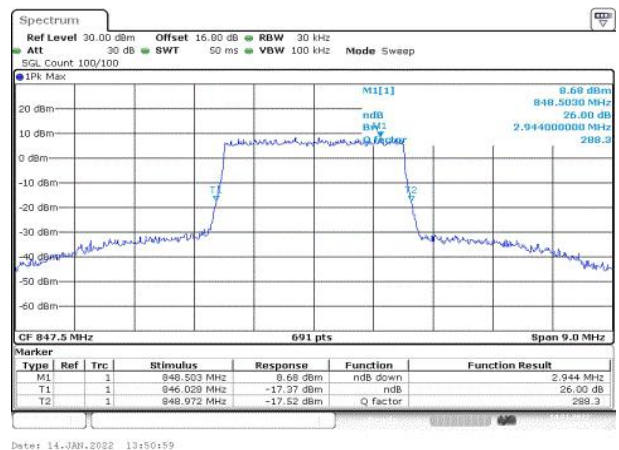


Fig.18

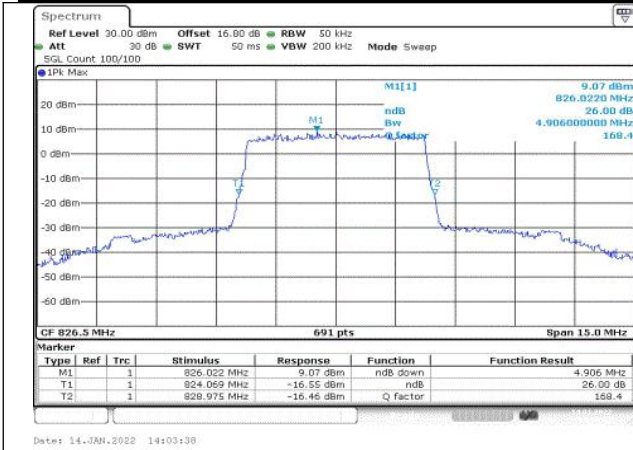


Fig.19

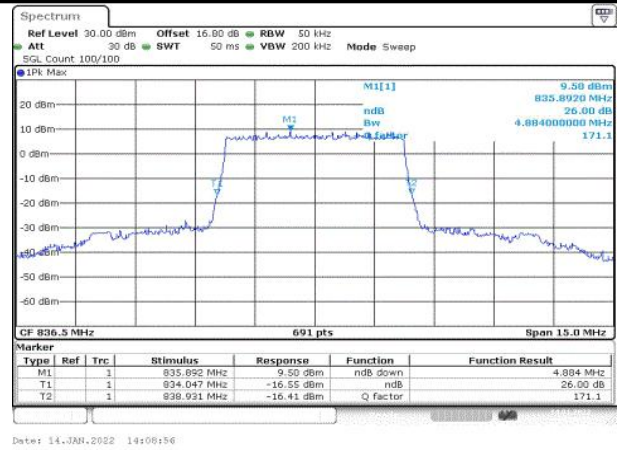


Fig.20

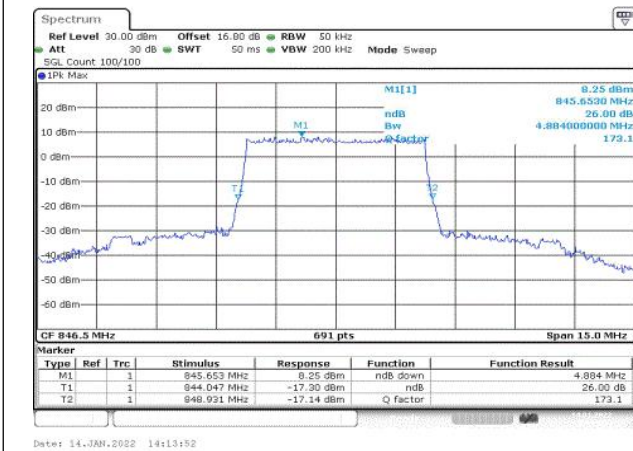


Fig.21

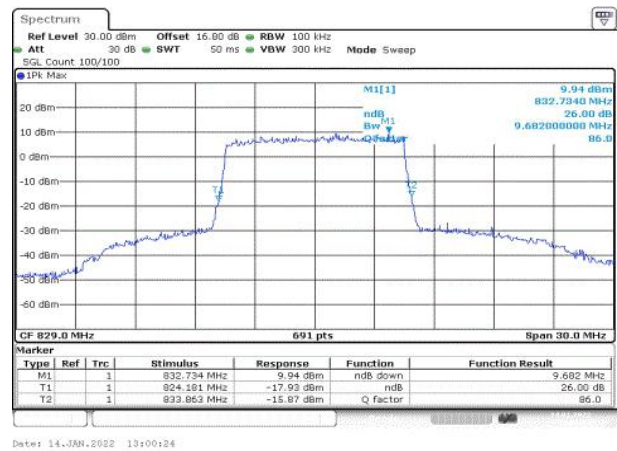


Fig.22

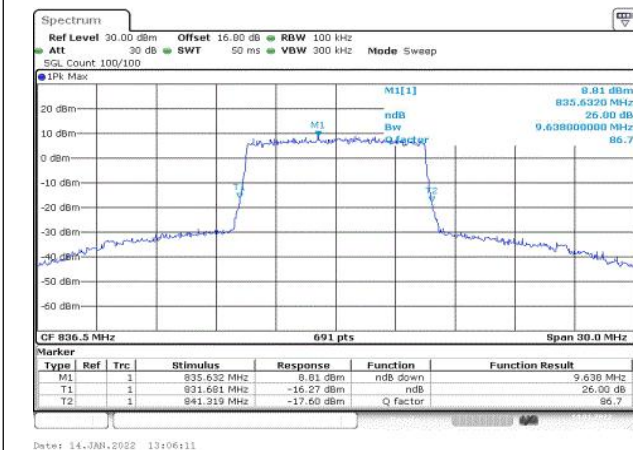


Fig.23



Fig.24

Test Mode: 64QAM

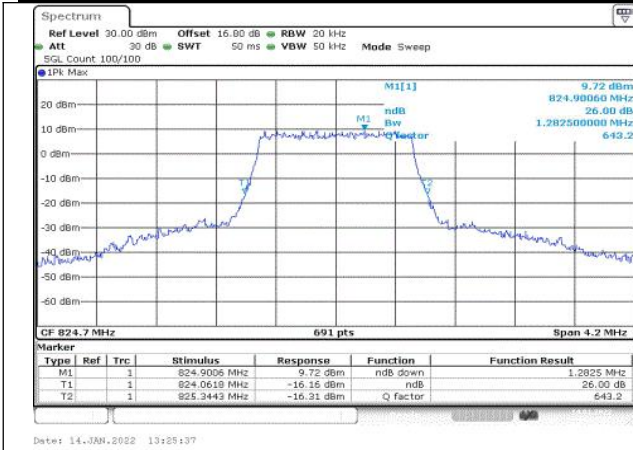


Fig.25

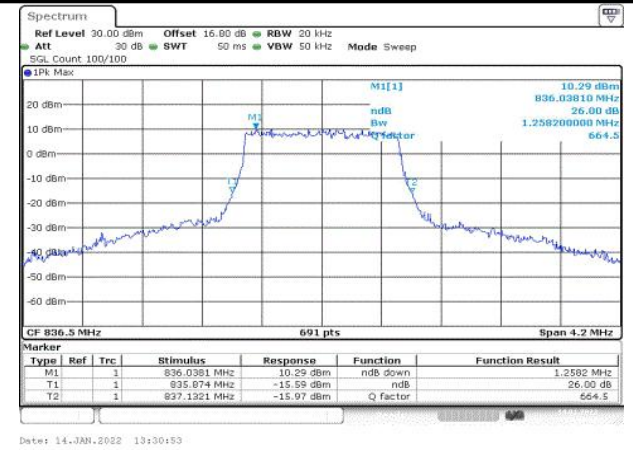


Fig.26

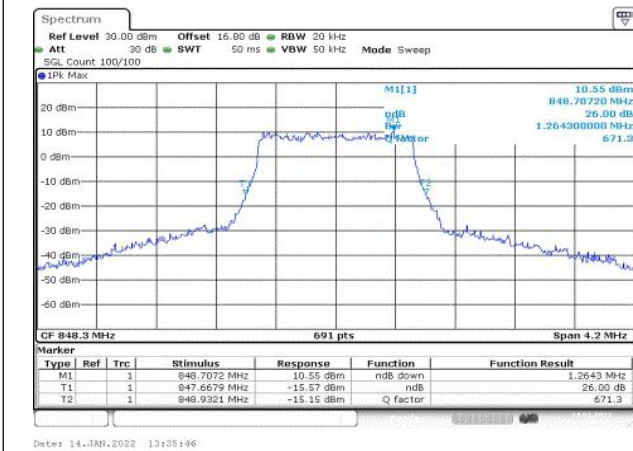


Fig.27

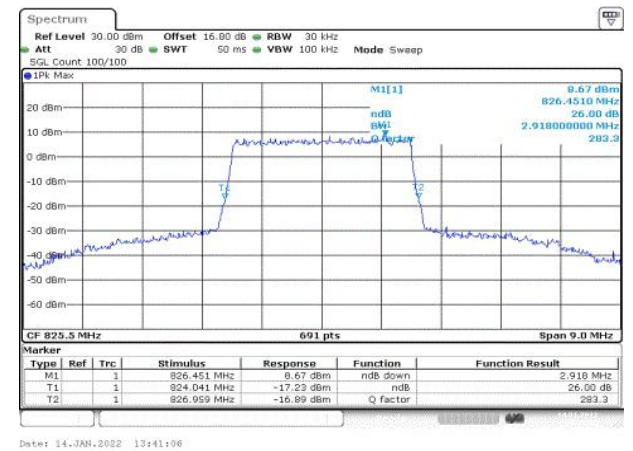


Fig.28

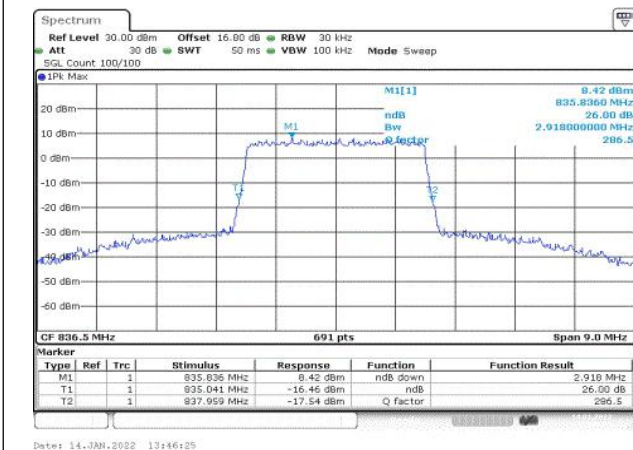


Fig.29

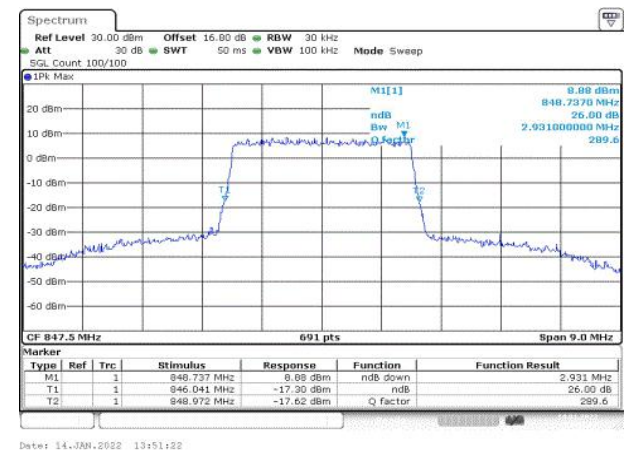


Fig.30

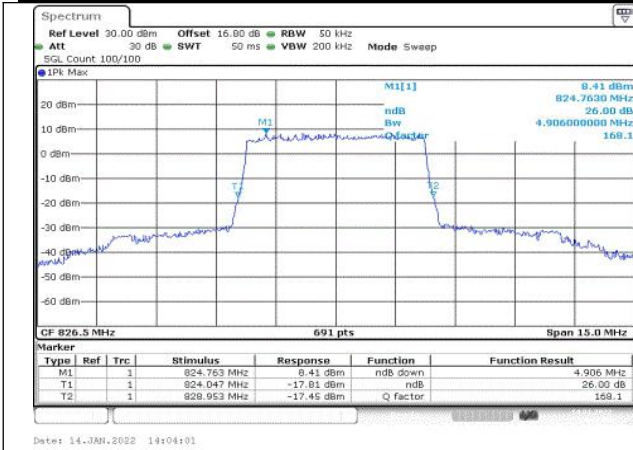


Fig.31

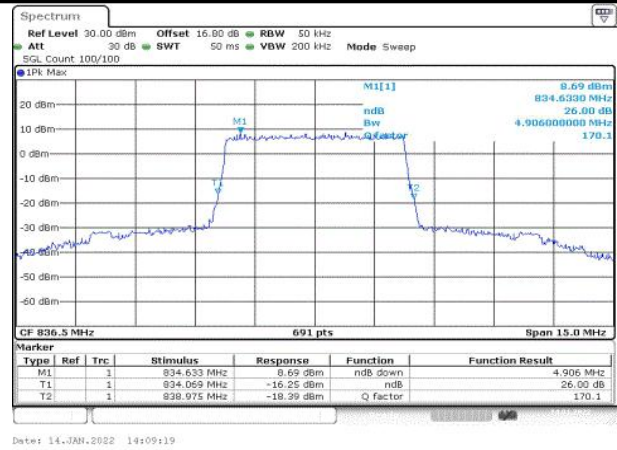


Fig.32

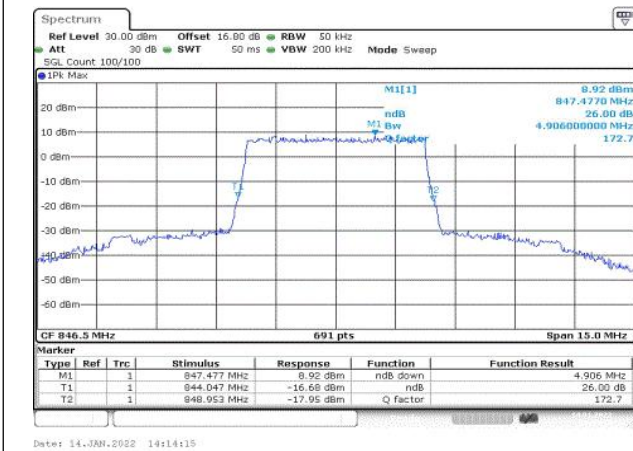


Fig.33

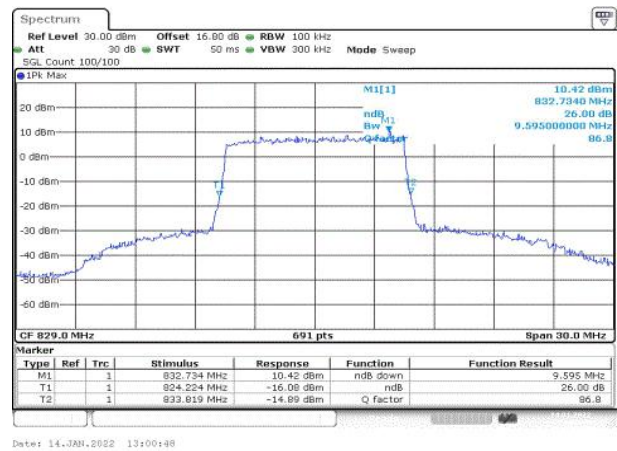


Fig.34

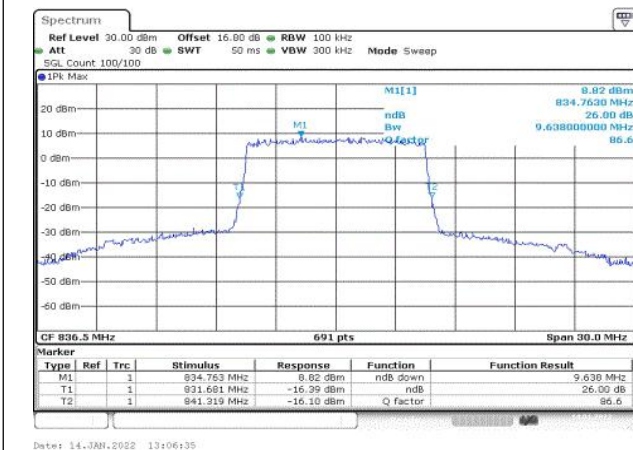


Fig.35

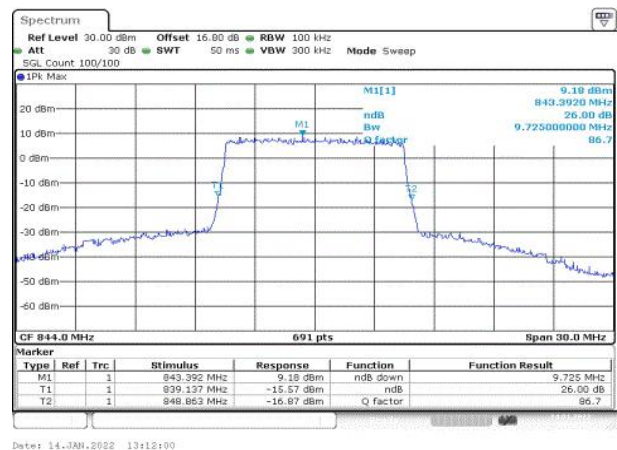


Fig.36

#### 4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
5	824.7	20407	1.4	1	5	Fig.1	Fig.2	Fig.3
5	824.7	20407	1.4	6	0	Fig.4	Fig.5	Fig.6
5	836.5	20525	1.4	1	5	Fig.7	Fig.8	Fig.9
5	836.5	20525	1.4	6	0	Fig.10	Fig.11	Fig.12
5	848.3	20643	1.4	1	5	Fig.13	Fig.14	Fig.15
5	848.3	20643	1.4	6	0	Fig.16	Fig.17	Fig.18
5	825.5	20415	3	1	14	Fig.19	Fig.20	Fig.21
5	825.5	20415	3	15	0	Fig.22	Fig.23	Fig.24
5	836.5	20525	3	1	14	Fig.25	Fig.26	Fig.27
5	836.5	20525	3	15	0	Fig.28	Fig.29	Fig.30
5	847.5	20635	3	1	14	Fig.31	Fig.32	Fig.33
5	847.5	20635	3	15	0	Fig.34	Fig.35	Fig.36
5	826.5	20425	5	1	24	Fig.37	Fig.38	Fig.39
5	826.5	20425	5	25	0	Fig.40	Fig.41	Fig.42
5	836.5	20525	5	1	24	Fig.43	Fig.44	Fig.45
5	836.5	20525	5	25	0	Fig.46	Fig.47	Fig.48
5	846.5	20625	5	1	24	Fig.49	Fig.50	Fig.51
5	846.5	20625	5	25	0	Fig.52	Fig.53	Fig.54
5	829	20450	10	1	49	Fig.55	Fig.56	Fig.57
5	829	20450	10	50	0	Fig.58	Fig.59	Fig.60
5	836.5	20525	10	1	49	Fig.61	Fig.62	Fig.63
5	836.5	20525	10	50	0	Fig.64	Fig.65	Fig.66
5	844	20600	10	1	49	Fig.67	Fig.68	Fig.69
5	844	20600	10	50	0	Fig.70	Fig.71	Fig.72

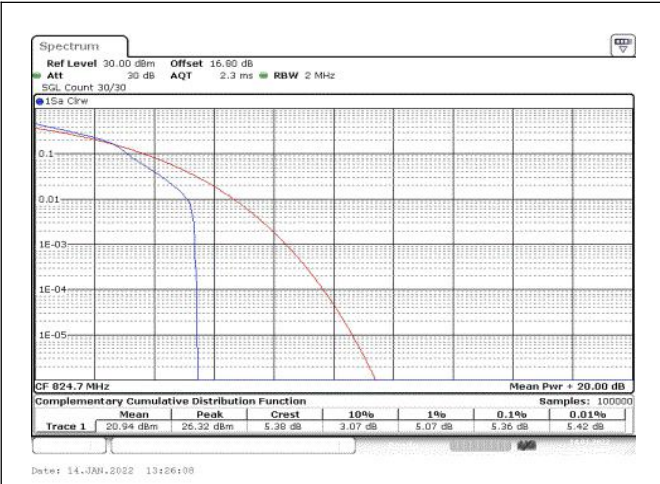


Fig.1

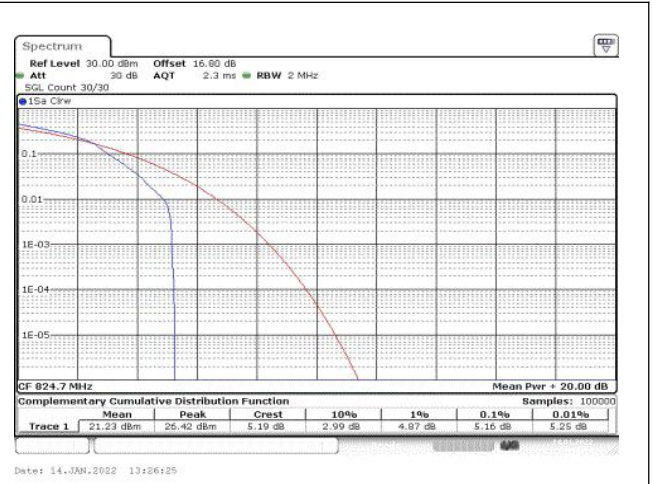


Fig.2

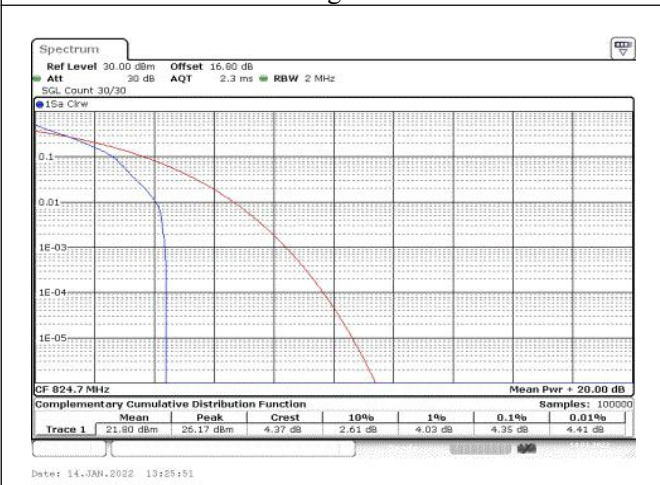


Fig.3

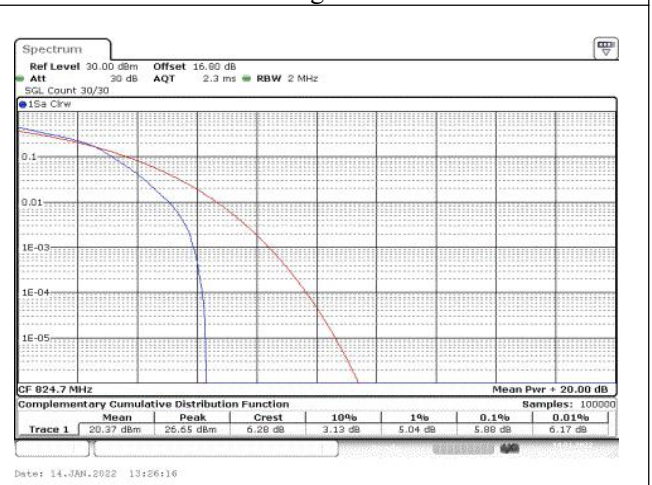


Fig.4

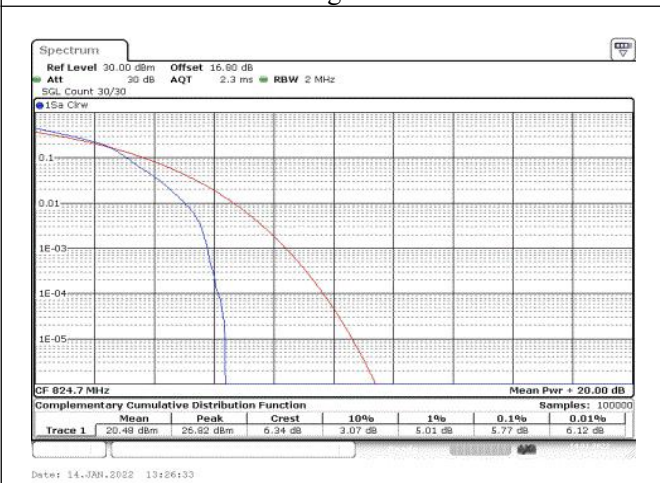


Fig.5

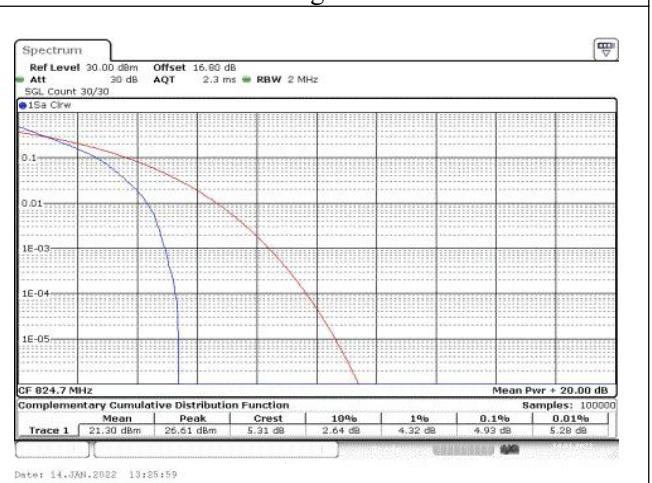


Fig.6





Fig.7

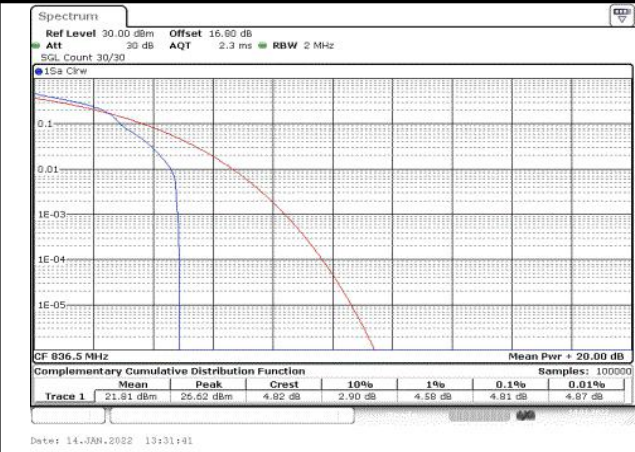


Fig.8

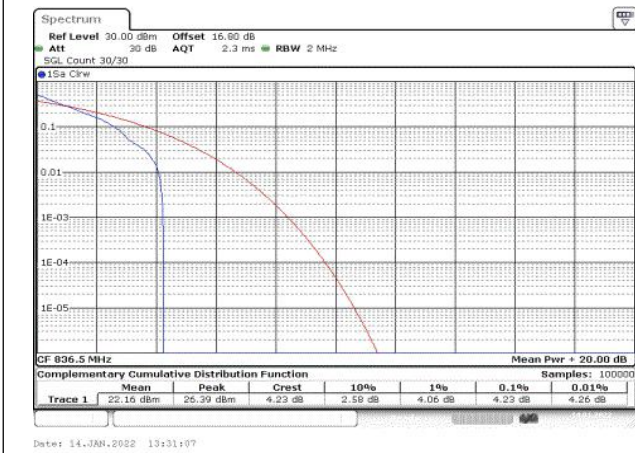


Fig.9

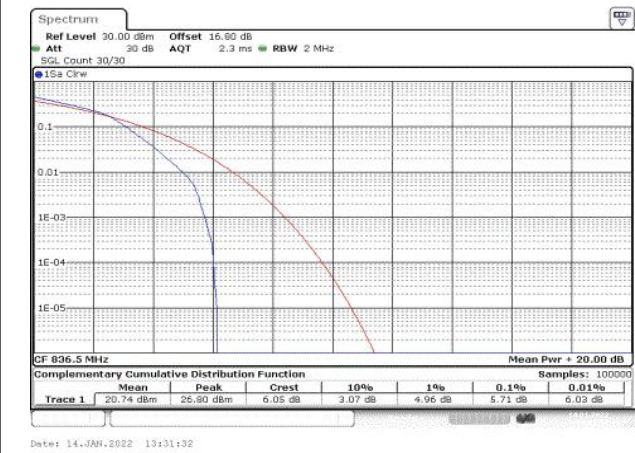


Fig.10

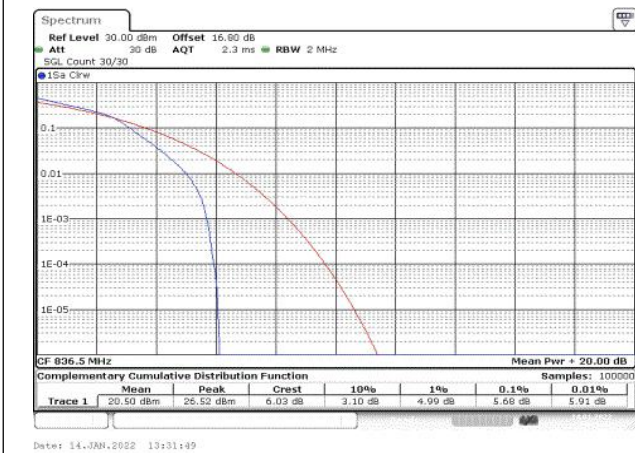


Fig.11

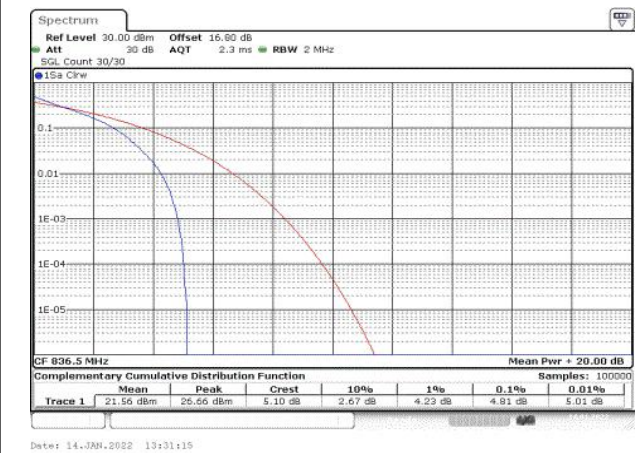


Fig.12



Fig.13

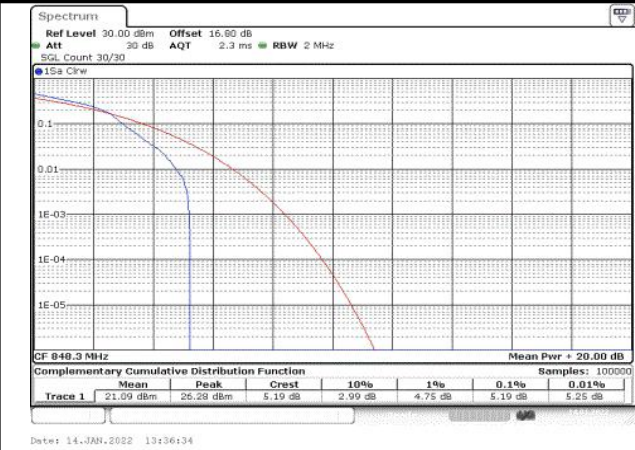


Fig.14

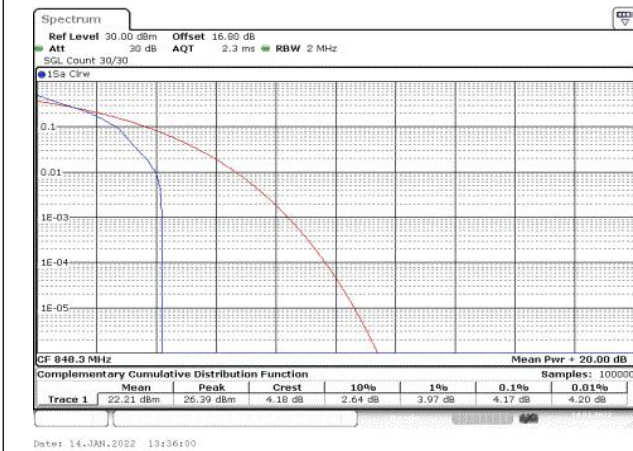


Fig.15

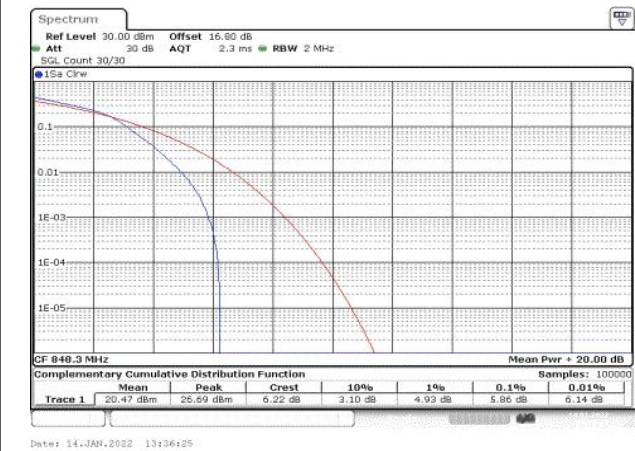


Fig.16

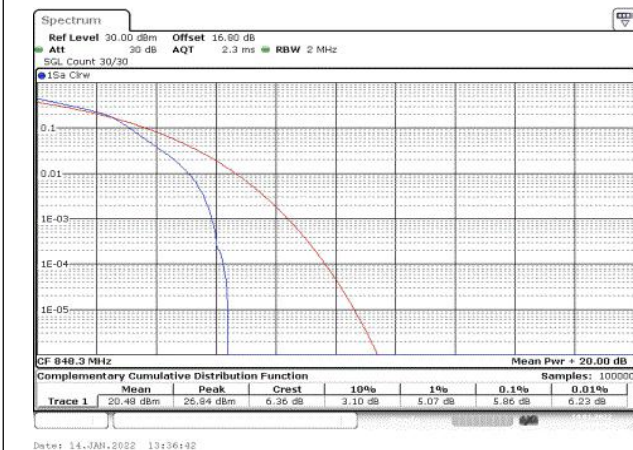


Fig.17

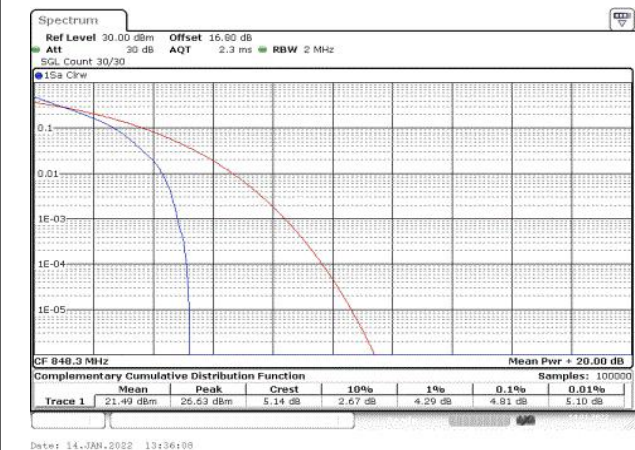


Fig.18



Fig.19

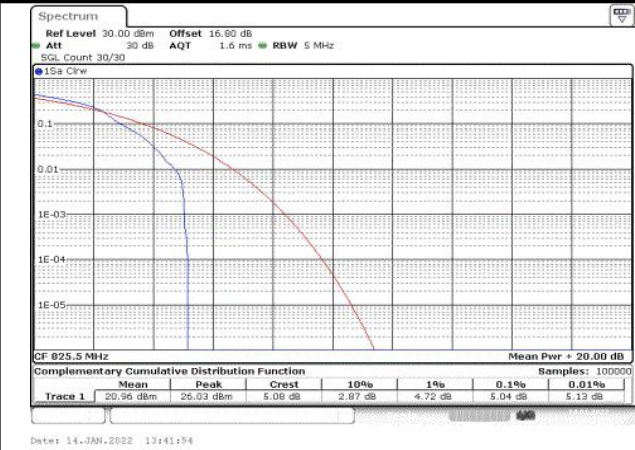


Fig.20

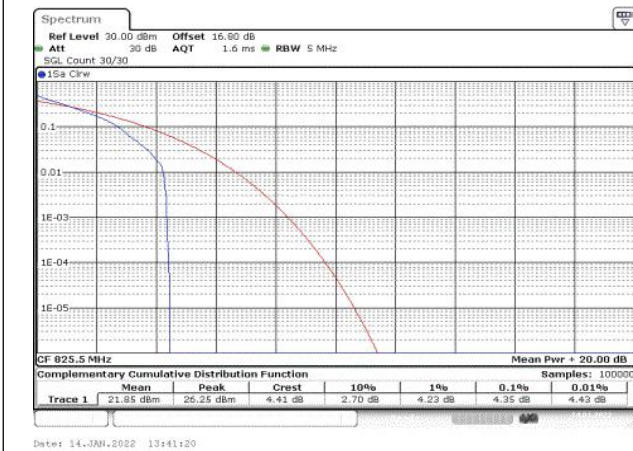


Fig.21

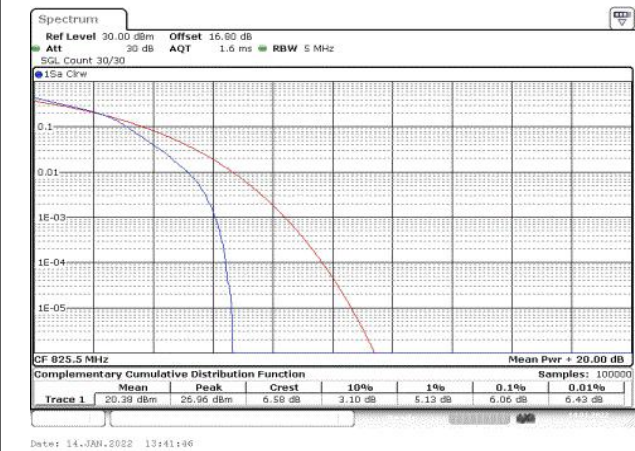


Fig.22

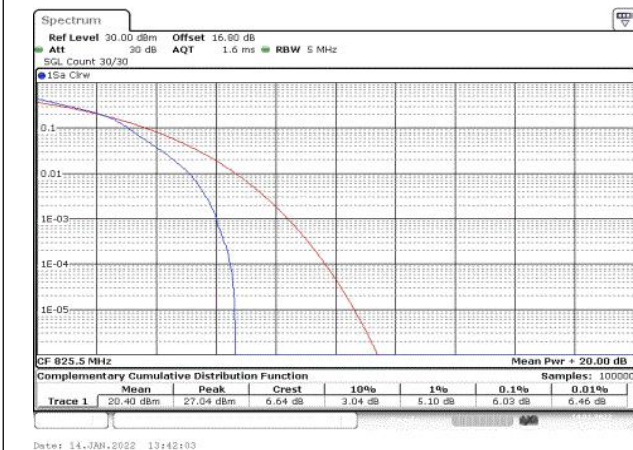


Fig.23

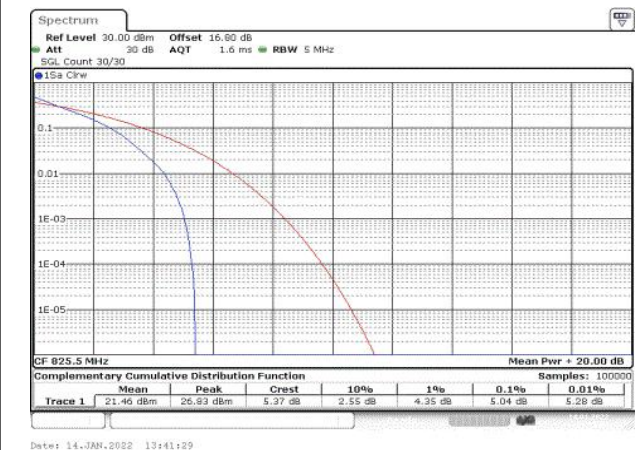


Fig.24



Fig.25



Fig.26

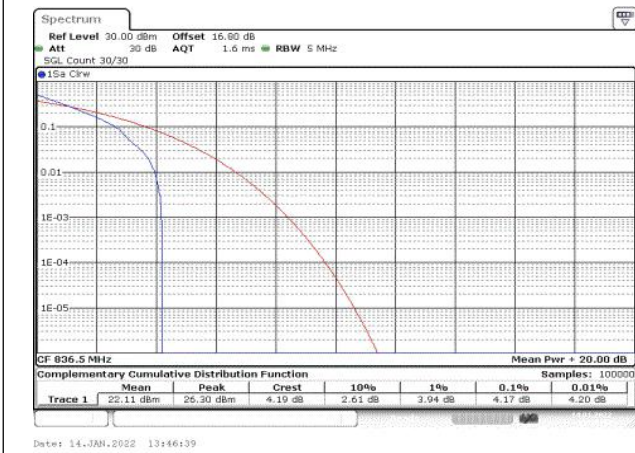


Fig.27

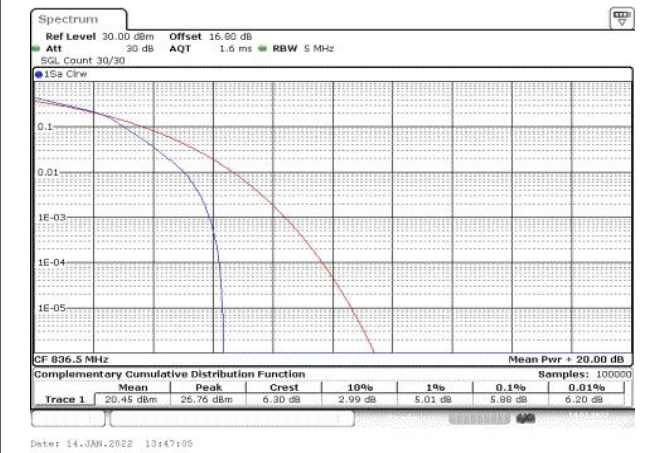


Fig.28

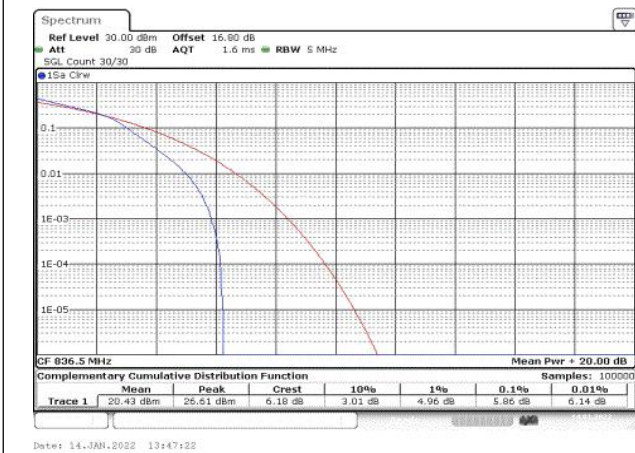


Fig.29

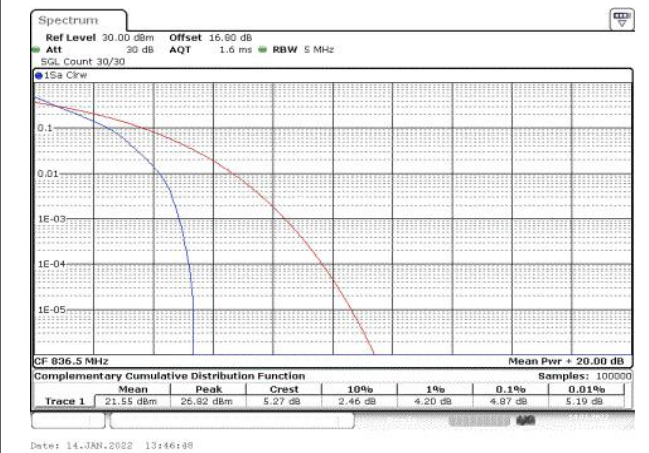


Fig.30

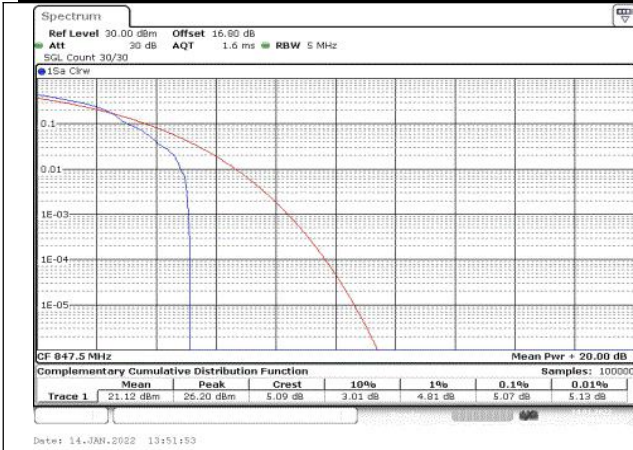


Fig.31

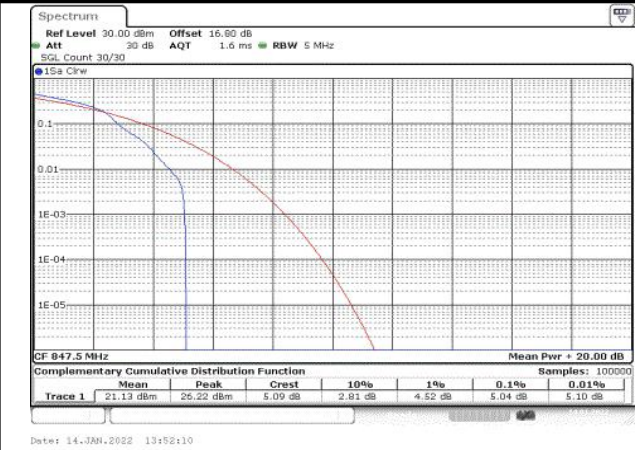


Fig.32

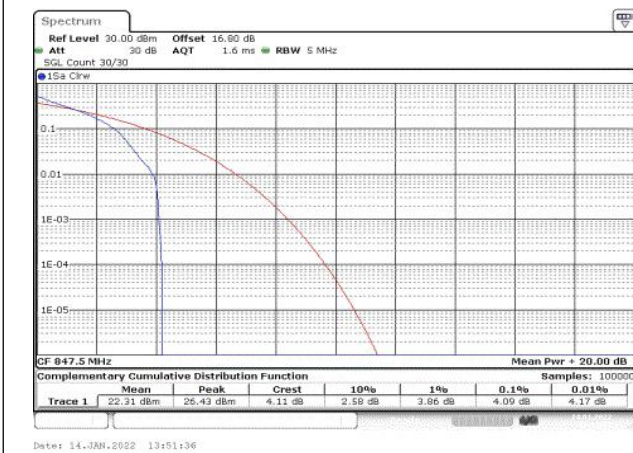


Fig.33

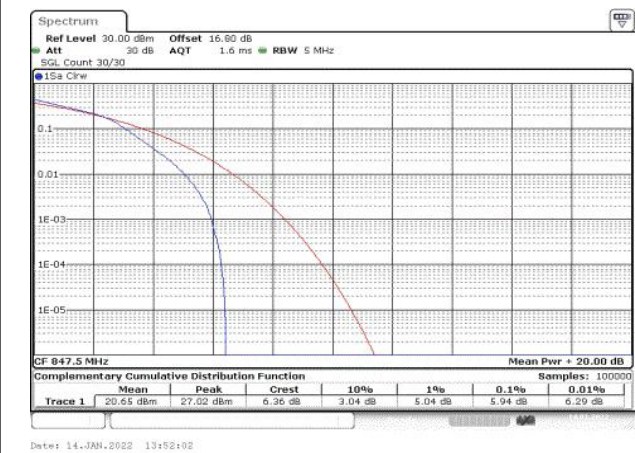


Fig.34

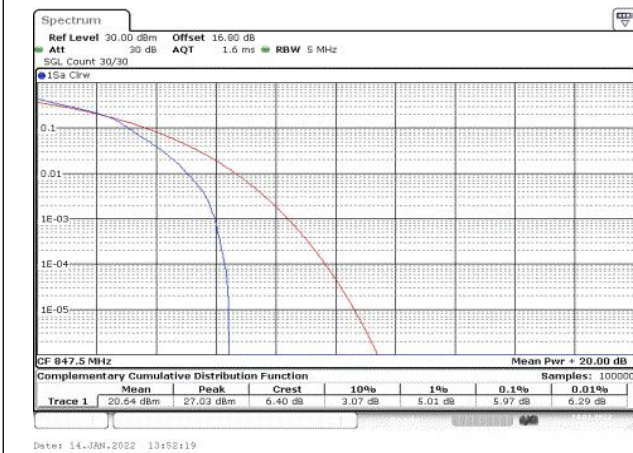


Fig.35

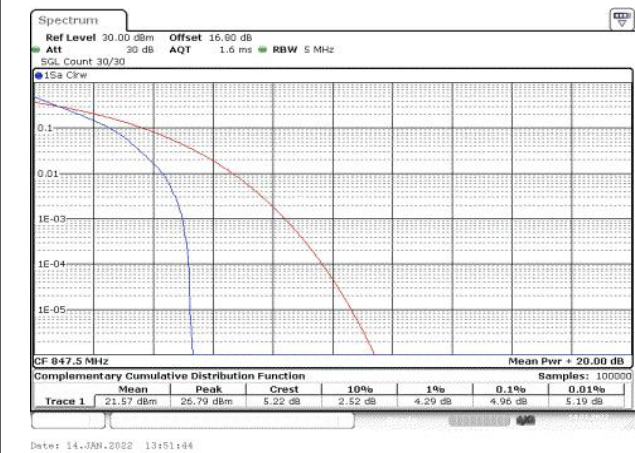


Fig.36



Fig.37

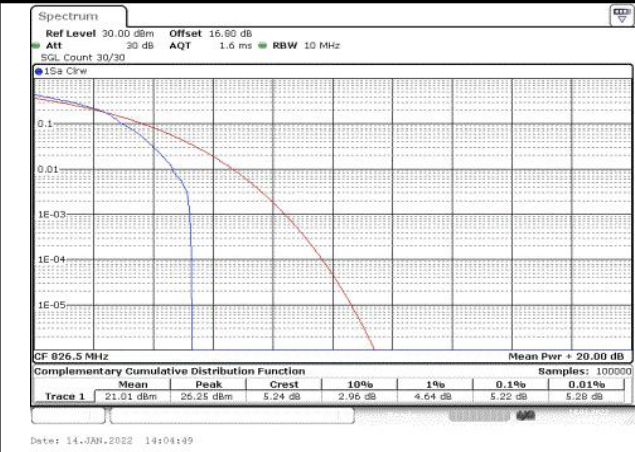


Fig.38

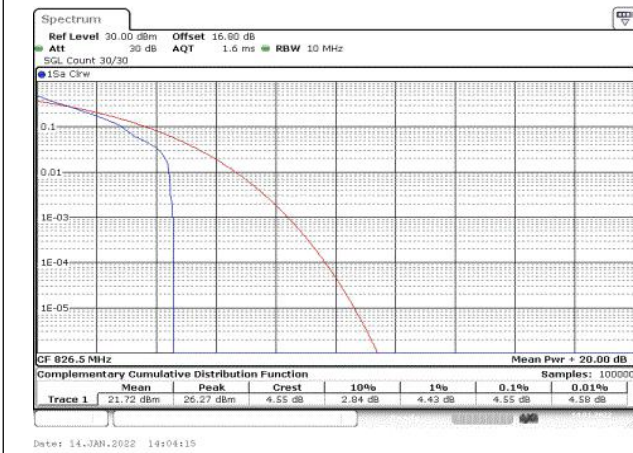


Fig.39

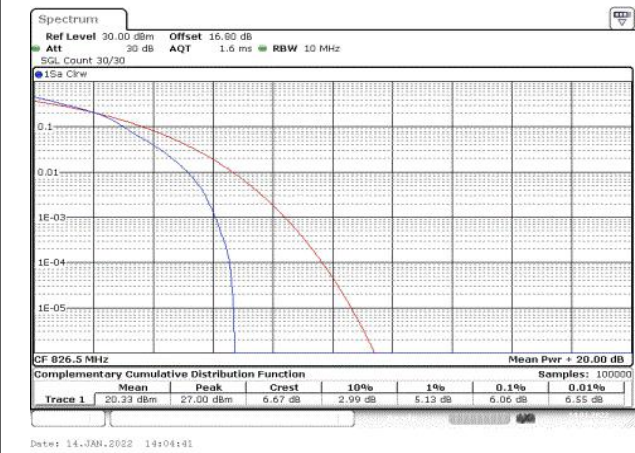


Fig.40

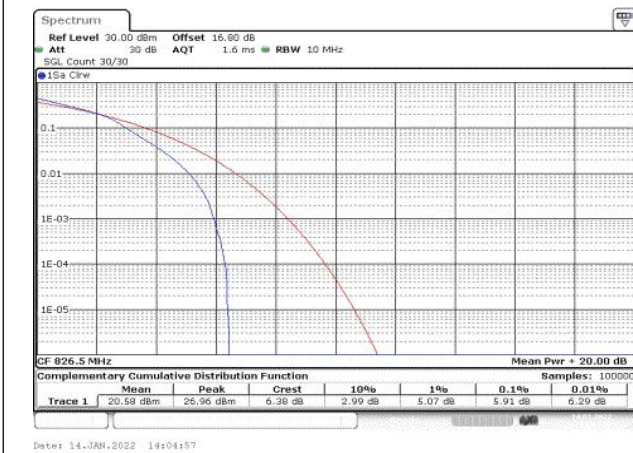


Fig.41

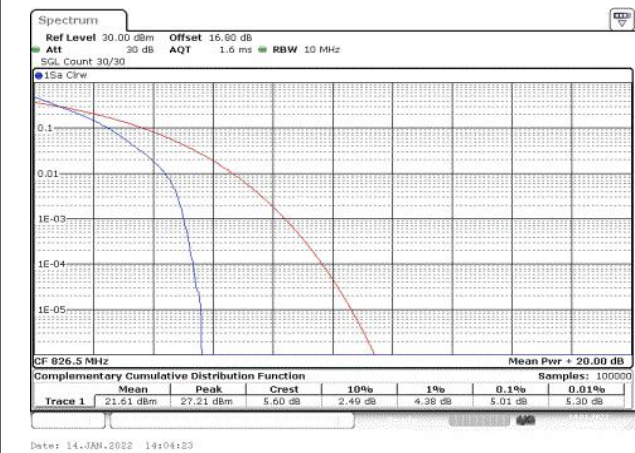


Fig.42

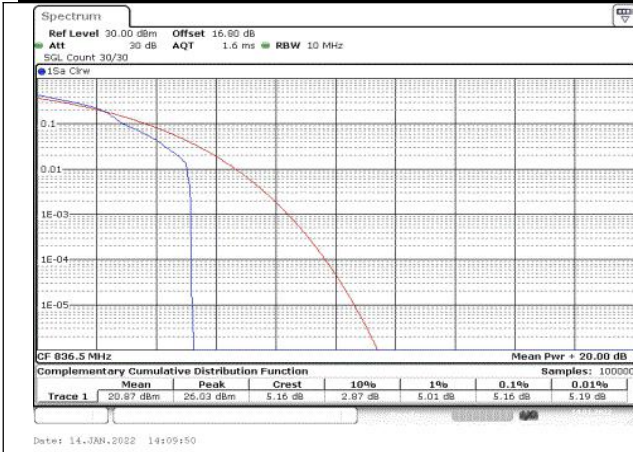


Fig.43

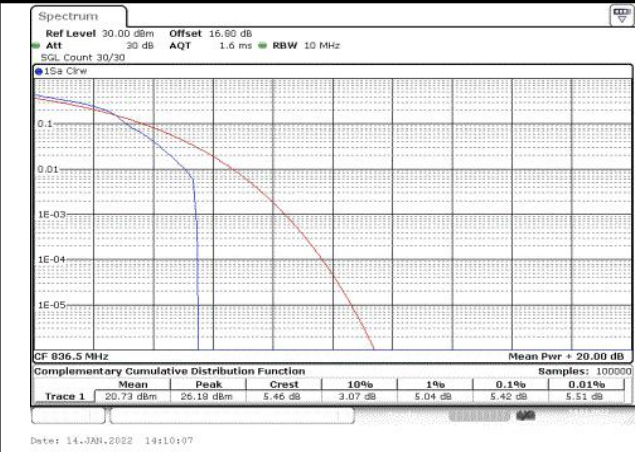


Fig.44

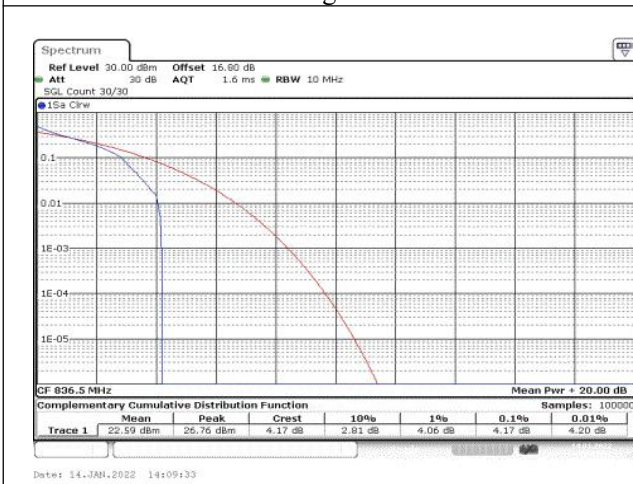


Fig.45

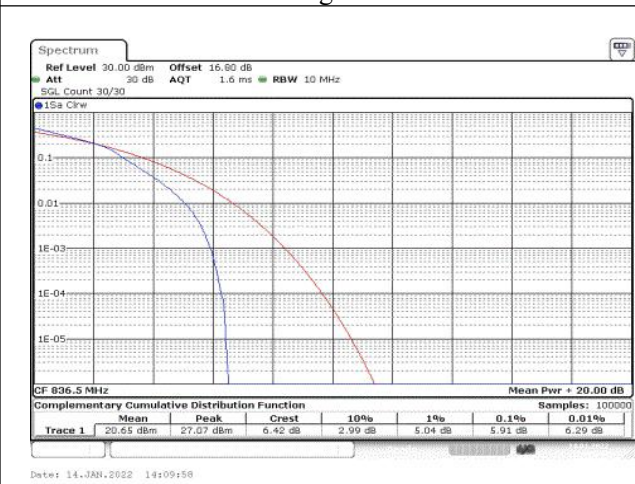


Fig.46



Fig.47

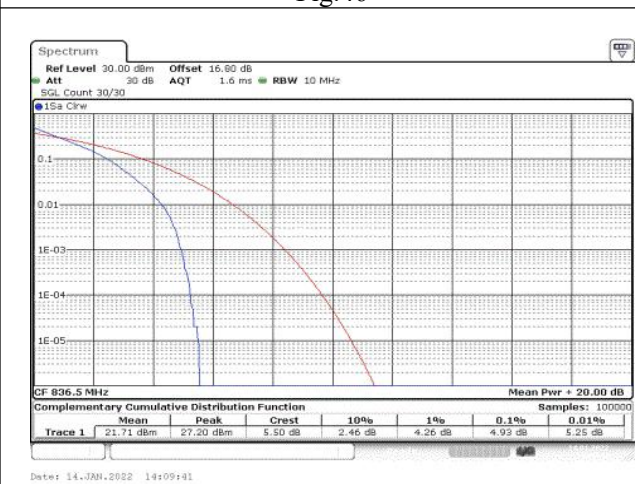


Fig.48



Fig.49

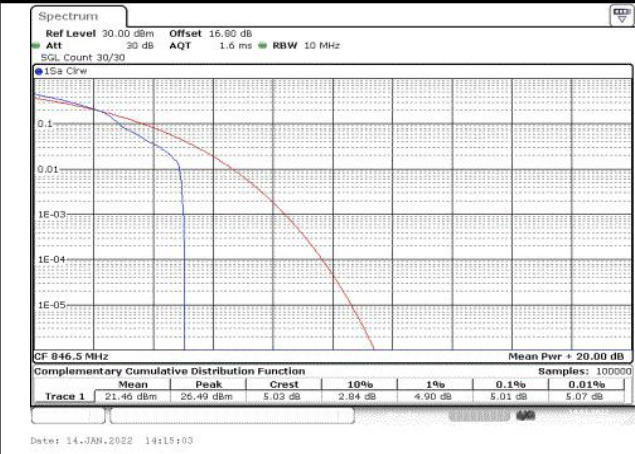


Fig.50

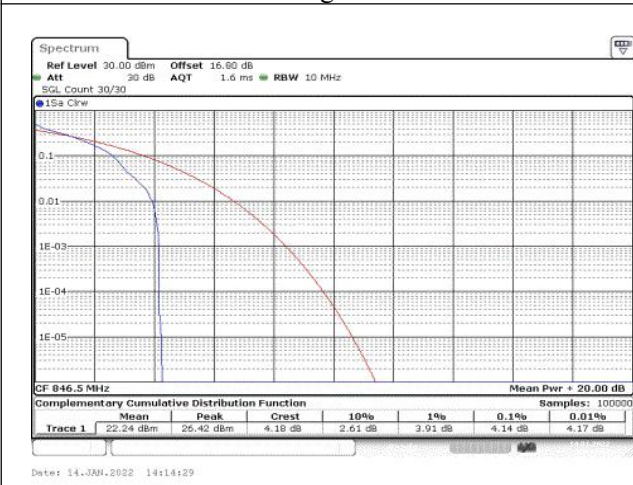


Fig.51



Fig.52

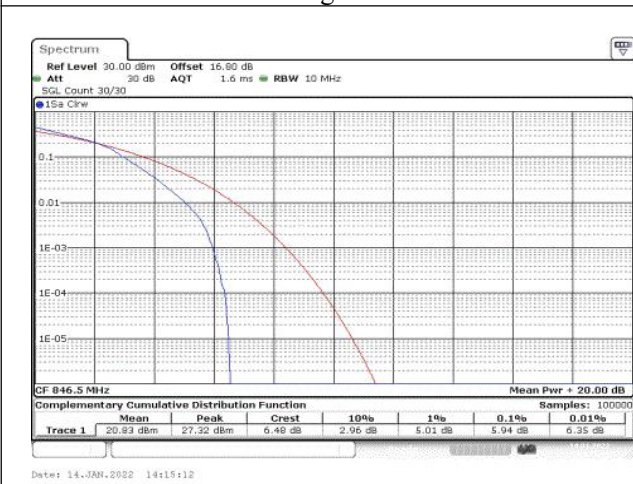


Fig.53

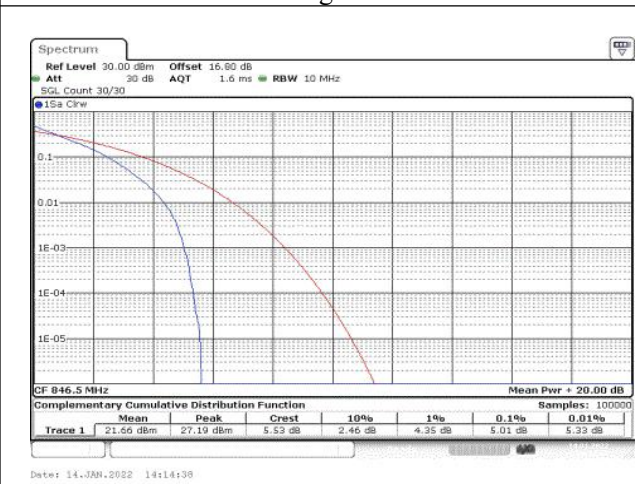


Fig.54