APPENDIX A – TEST DATA OF CONDUCTED EMISSION
LTE Band 38
1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2572.5	37775	5	1	0	23.13
				1	12	23.06
				1	24	23.11
				12	0	22.09
				12	7	22.18
				12	13	22.21
				25	0	21.15
	2595	38000		1	0	23.21
				1	12	23.04
				1	24	23.15
				12	0	22.12
				12	7	22.26
				12	13	22.23
				25	0	21.08
	2617.5	38225		1	0	23.20
				1	12	23.09
				1	24	23.09
				12	0	22.16
				12	7	22.14
				12	13	22.17
				25	0	21.15
16QAM	2572.5	37775		1	0	22.58
				1	12	22.58
				1	24	22.47
				12	0	21.11
				12	7	21.10
				12	13	21.09
				25	0	20.21
	2595	38000		1	0	22.57
				1	12	22.56
				1	24	22.48
				12	0	21.32
				12	7	21.29
				12	13	21.24
				25	0	20.18
	2617.5	38225		1	0	22.60
				1	12	22.59
				1	24	22.57
				12	0	21.34
				12	7	21.38
				12	13	21.29
				25	0	20.25

| Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2572.5	37775	5	1	0	21.11
				1	12	21.15
				1	24	21.08
				12	0	20.18
				12	7	20.12
				12	13	20.07
				25	0	19.07
	2595	38000		1	0	21.63
				1	12	21.54
				1	24	21.63
				12	0	20.54
				12	7	20.52
				12	13	20.52
				25	0	19.61
	2617.5	38225		1	0	21.05
				1	12	21.09
				1	24	21.01
				12	0	20.10
				12	7	20.01
				12	13	20.09
				25	0	19.02

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2575	37800	10	1	0	23.17
				1	25	22.95
				1	49	23.19
				25	0	22.24
				25	12	22.23
				25	25	22.16
				50	0	21.23
	2595	38000		1	0	23.04
				1	25	23.20
				1	49	23.16
				25	0	22.18
				25	12	22.27
				25	25	22.27
				50	0	21.21
	2615	38200		1	0	23.10
				1	25	22.97
				1	49	23.10
				25	0	22.18
				25	12	22.23
				25	25	22.22
				50	0	21.17
16QAM	2575	37800		1	0	22.57
				1	25	22.50
				1	49	22.46
				25	0	21.25
				25	12	21.27
				25	25	21.24
				50	0	20.30
	2595	38000		1	0	22.43
				1	25	22.32
				1	49	22.23
				25	0	21.23
				25	12	21.21
				25	25	21.20
				50	0	20.28
	2615	38200		1	0	22.46
				1	25	22.37
				1	49	22.47
				25	0	21.26
				25	12	21.23
				25	25	21.20
				50	0	20.07

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2575	37800	10	1	0	21.19
				1	25	21.19
				1	49	21.30
				25	0	20.25
				25	12	20.19
				25	25	20.25
				50	0	19.19
	2595	38000		1	0	21.18
				1	25	21.21
				1	49	21.21
				25	0	20.21
				25	12	20.15
				25	25	20.21
				50	0	19.14
	2615	38200		1	0	21.13
				1	25	21.10
				1	49	21.11
				25	0	20.10
				25	12	20.03
				25	25	20.13
				50	0	19.03

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2577.5	37825	15	1	0	23.04
				1	37	22.94
				1	74	22.93
				36	0	22.15
				36	29	22.16
				36	30	22.14
				75	0	21.20
	2595	38000		1	0	22.99
				1	37	23.11
				1	74	23.15
				36	0	22.18
				36	29	22.24
				36	30	22.23
				75	0	21.13
	2612.5	38175		1	0	23.19
				1	37	23.03
				1	74	23.06
				36	0	22.22
				36	29	22.10
				36	30	22.09
				75	0	21.19
16QAM	2577.5	37825		1	0	22.47
				1	37	22.32
				1	74	22.36
				36	0	21.23
				36	29	21.19
				36	30	21.20
				75	0	20.23
	2595	38000		1	0	22.25
				1	37	22.19
				1	74	22.23
				36	0	21.17
				36	29	21.22
				36	30	21.25
				75	0	20.11
	2612.5	38175		1	0	22.15
				1	37	21.90
				1	74	21.97
				36	0	21.11
				36	29	21.14
				36	30	21.10
				75	0	20.25

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2577.5	37825	15	1	0	21.19
				1	37	21.19
				1	74	21.20
				36	0	20.19
				36	29	20.19
				36	30	20.22
				75	0	19.19
	2595	38000		1	0	21.15
				1	37	21.16
				1	74	21.14
				36	0	20.14
				36	29	20.13
				36	30	20.14
				75	0	19.11
	2612.5	38175		1	0	21.18
				1	37	21.25
				1	74	21.22
				36	0	20.18
				36	29	20.18
				36	30	20.18
				75	0	19.18

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2580	37850	20	1	0	23.13
				1	49	22.99
				1	99	23.04
				50	0	22.14
				50	24	22.10
				50	50	22.18
				100	0	21.18
	2595	38000		1	0	23.01
				1	49	23.06
				1	99	23.16
				50	0	22.13
				50	24	22.20
				50	50	22.19
				100	0	21.10
	2610	38150		1	0	23.09
				1	49	23.04
				1	99	23.07
				50	0	22.17
				50	24	22.07
				50	50	22.10
				100	0	21.14
16QAM	2580	37850		1	0	22.34
				1	49	22.32
				1	99	22.29
				50	0	21.15
				50	24	21.16
				50	50	21.16
				100	0	20.15
	2595	38000		1	0	22.13
				1	49	22.21
				1	99	22.21
				50	0	21.19
				50	24	21.17
				50	50	21.22
				100	0	20.15
	2610	38150		1	0	21.72
				1	49	21.69
				1	99	21.69
				50	0	20.17
				50	24	20.25
				50	50	20.15
				100	0	20.10

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2580	37850	20	1	0	21.24
				1	49	21.23
				1	99	21.21
				50	0	20.24
				50	24	20.18
				50	50	20.17
				100	0	19.21
	2595	38000		1	0	21.16
				1	49	21.15
				1	99	21.16
				50	0	20.09
				50	24	20.19
				50	50	20.12
				100	0	19.12
	2610	38150		1	0	21.15
				1	49	21.09
				1	99	21.10
				50	0	20.07
				50	24	20.16
				50	50	20.14
				100	0	19.16

2 Occupied Bandwidth

Band	Carrier frequerncy (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
38	2572.5	37775	5	25	0	4.472	Fig.1	4.472	Fig.2	4.472	Fig.3
	2595	38000		25	0	4.472	Fig.4	4.472	Fig.5	4.472	Fig.6
	2617.5	38225		25	0	4.472	Fig.7	4.450	Fig.8	4.428	Fig.9
	2575	37800	10	50	0	8.944	Fig.10	8.944	Fig.11	8.944	Fig.12
	2595	38000		50	0	8.944	Fig.13	8.944	Fig.14	8.944	Fig.15
	2615	38200		50	0	8.944	Fig.16	8.944	Fig.17	8.944	Fig.18
	2577.5	37825	15	75	0	13.415	Fig.19	13.415	Fig.20	13.415	Fig.21
	2595	38000		75	0	13.415	Fig.22	13.415	Fig.23	13.415	Fig.24
	2612.5	38175		75	0	13.415	Fig.25	13.415	Fig.26	13.415	Fig.27
	2580	37850	20	100	0	17.800	Fig.28	17.887	Fig.29	17.887	Fig.30
	2595	38000		100	0	17.800	Fig.31	17.887	Fig.32	17.887	Fig.33
	2610	38150		100	0	17.887	Fig.34	17.800	Fig.35	17.887	Fig.36
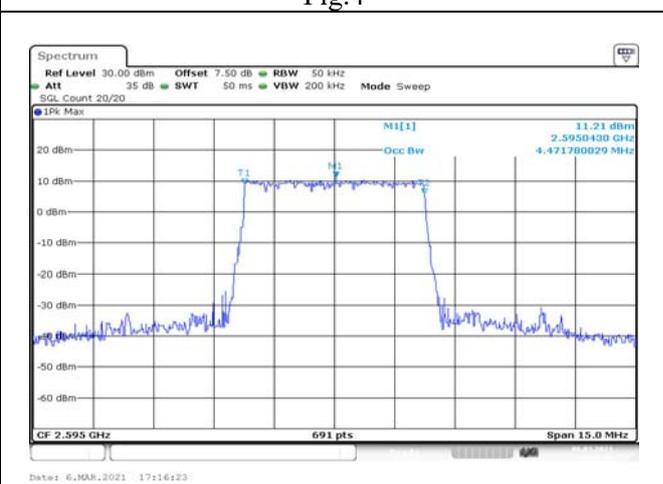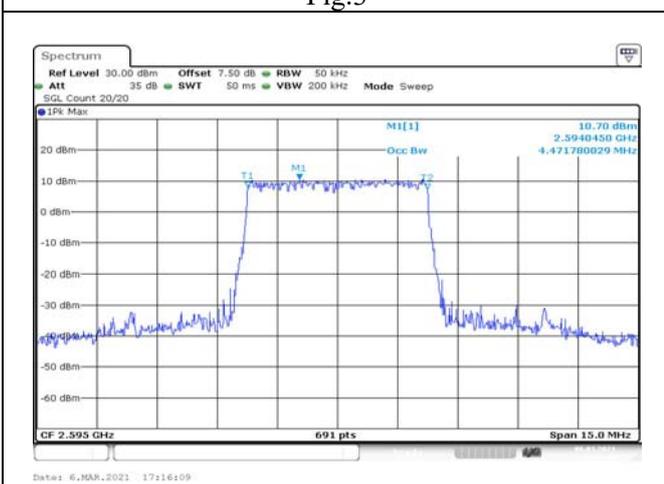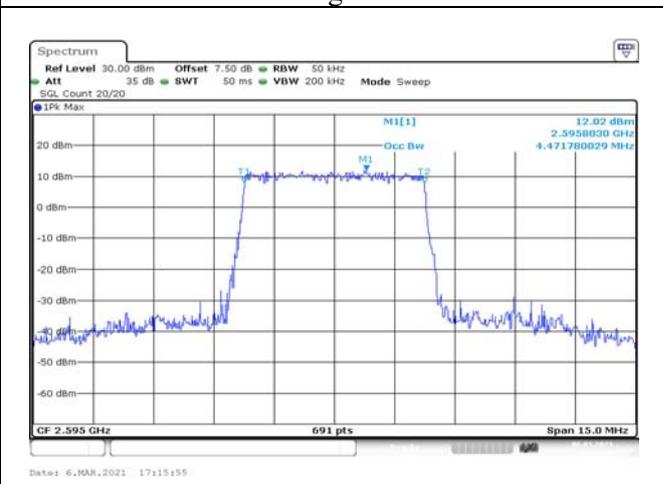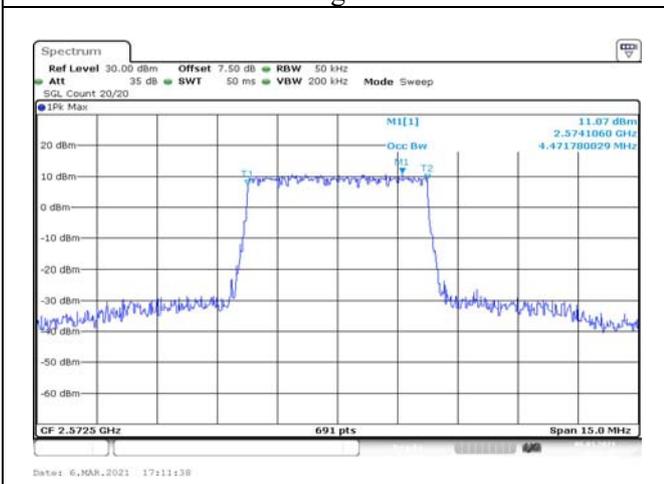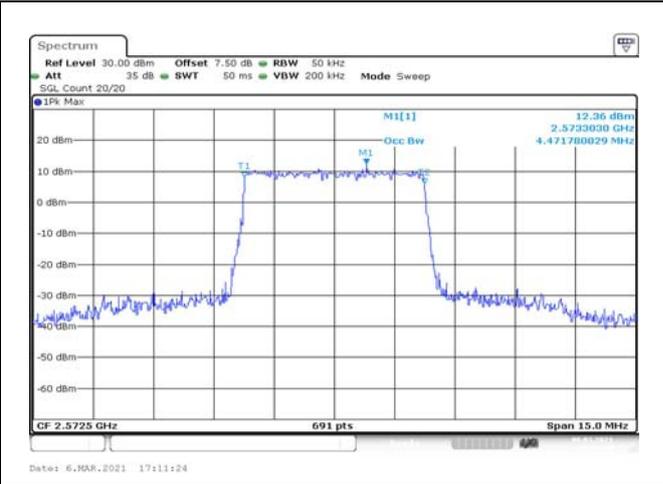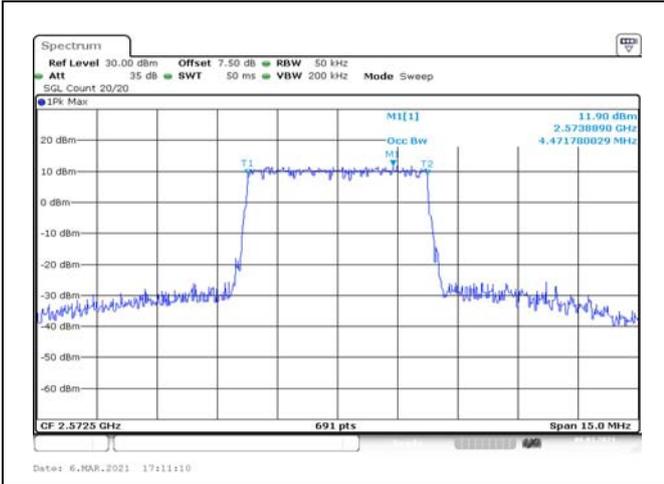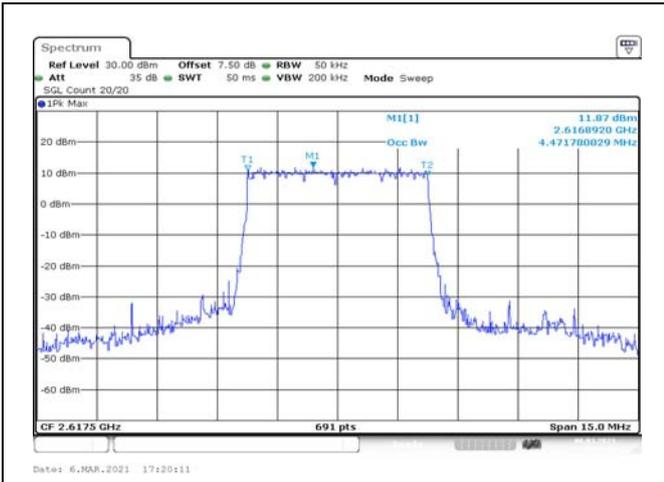
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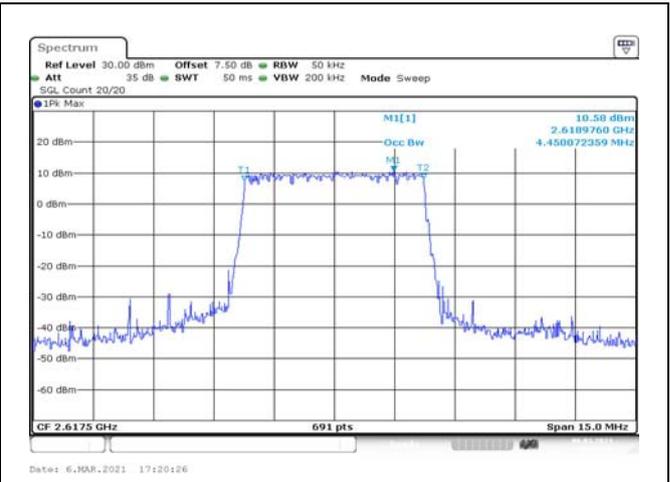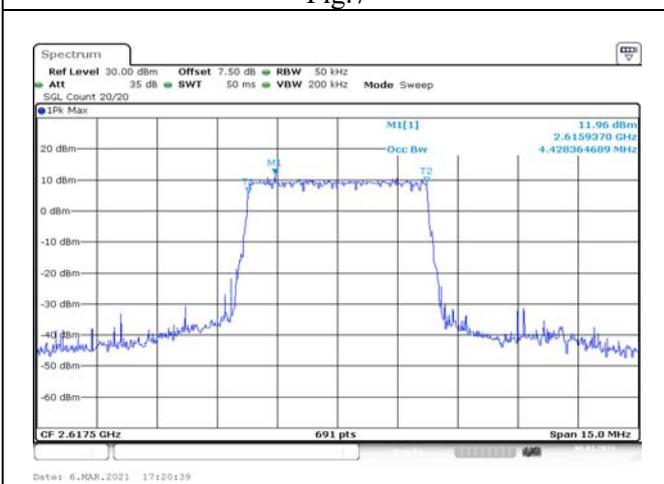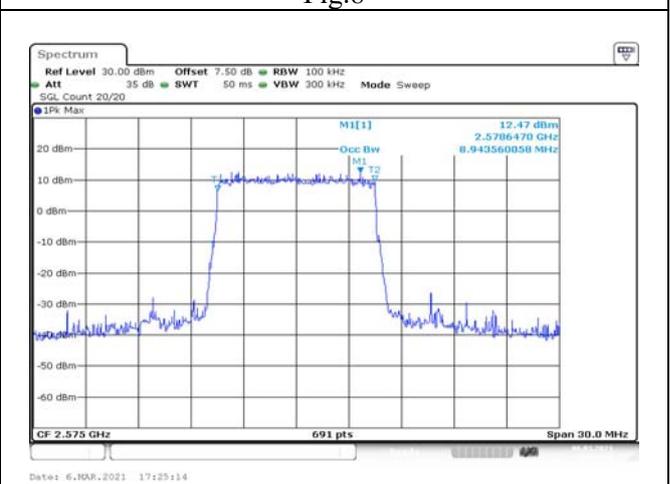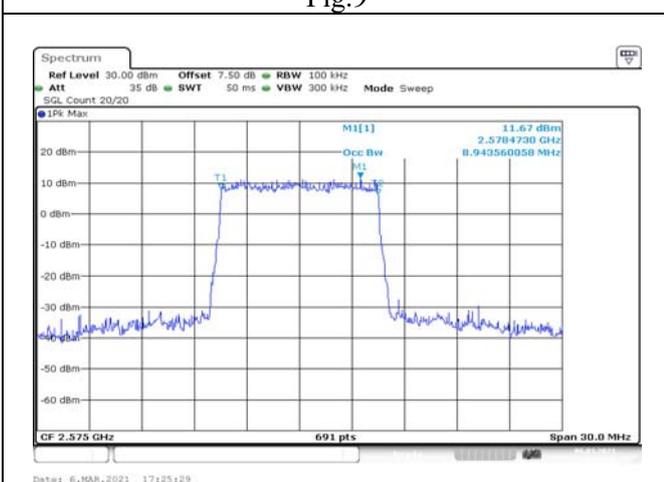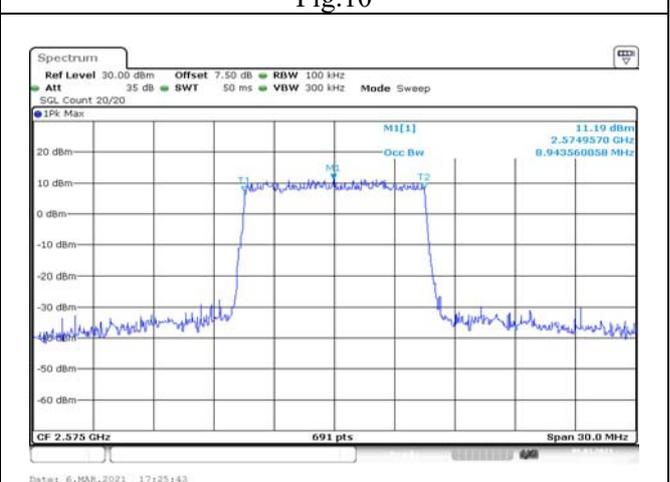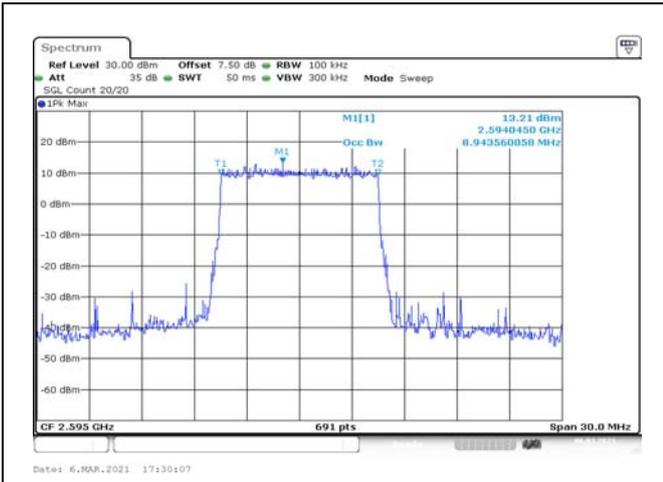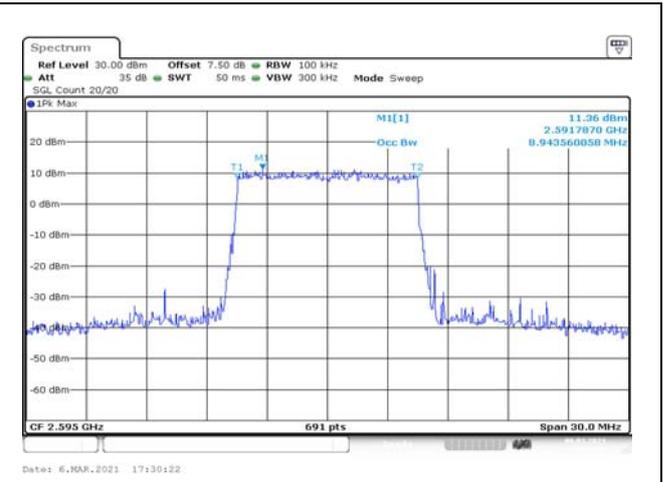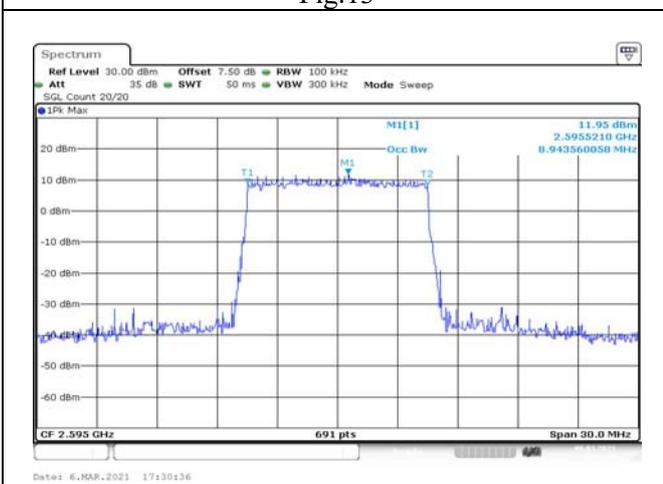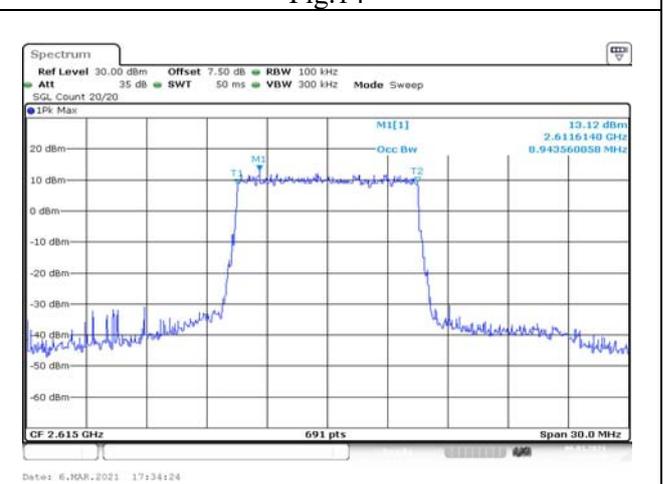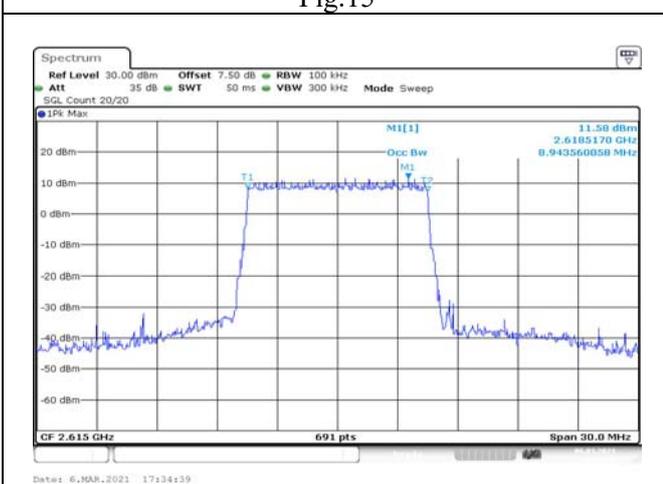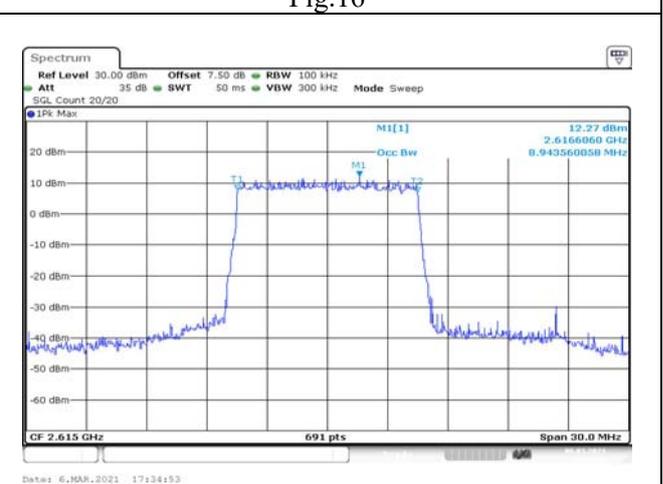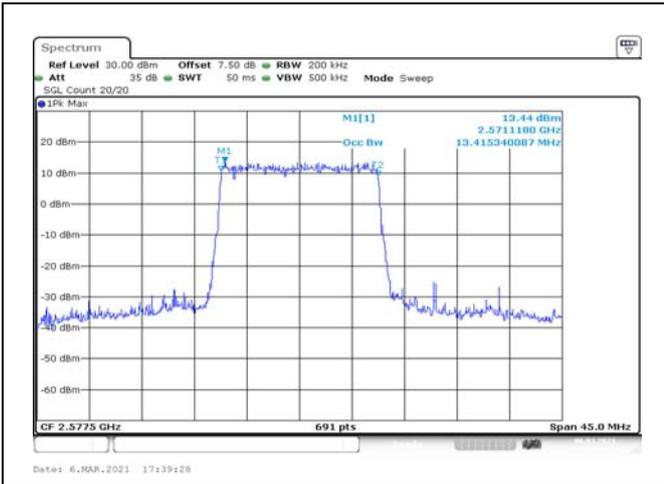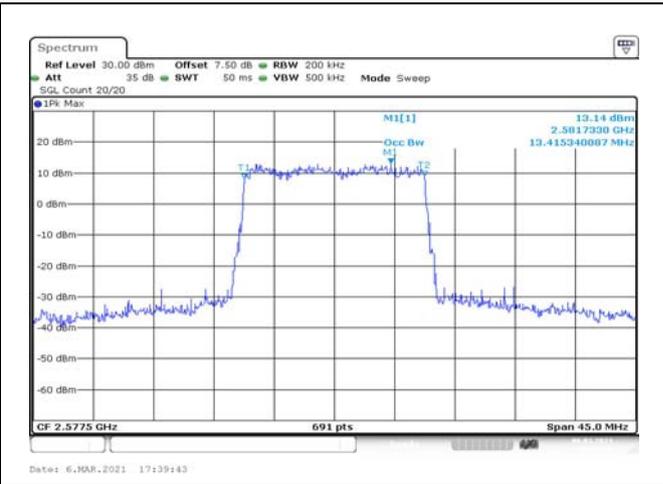
Fig.2

Fig.3

Fig.4

Fig.5

Fig.6

Fig.7

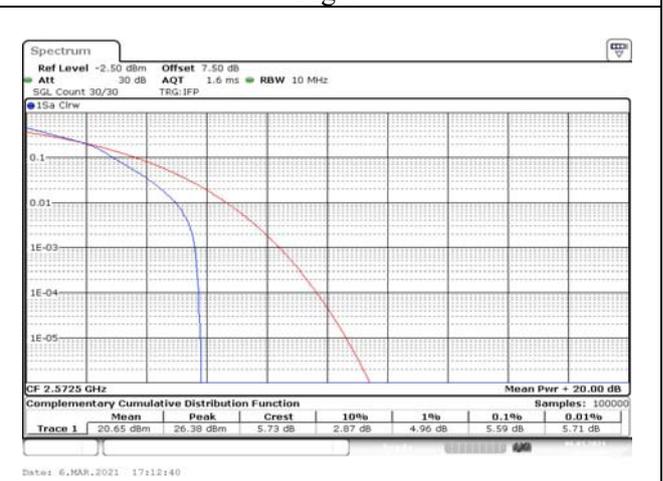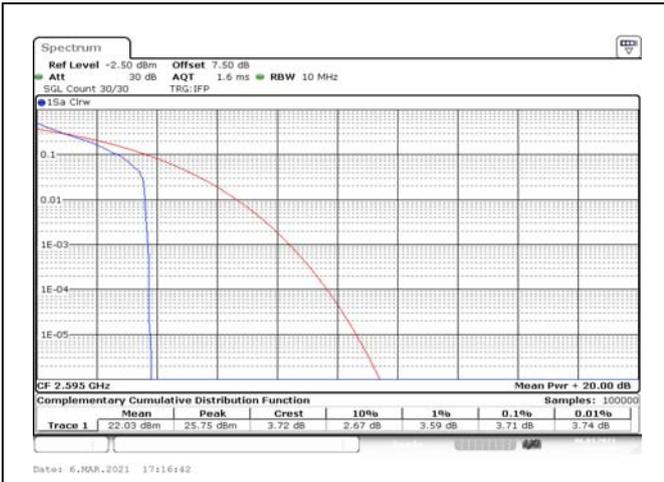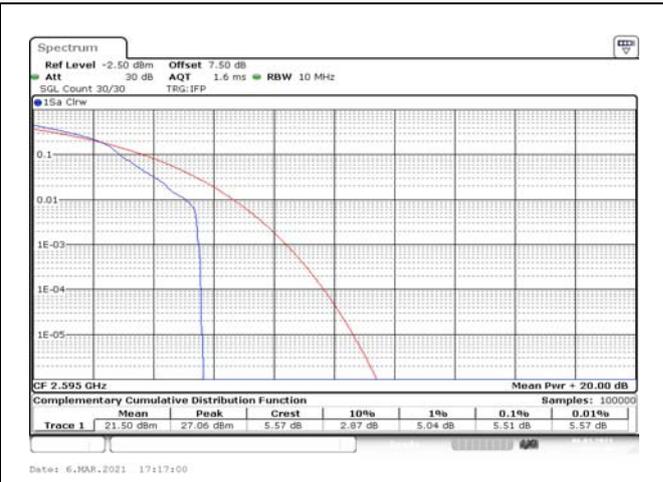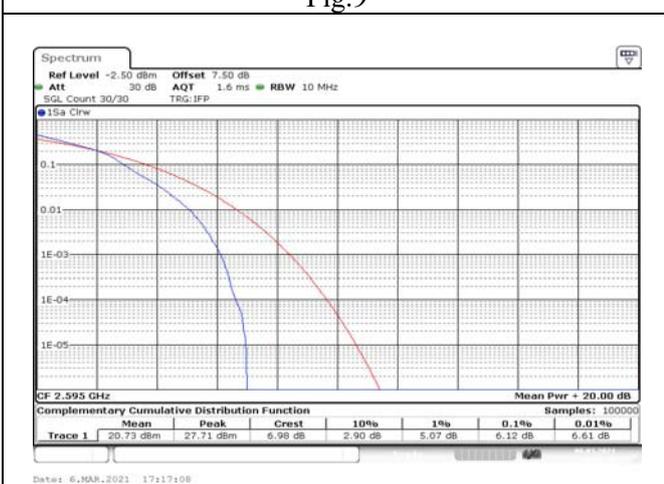Fig.8

Fig.9

Fig.10

Fig.11

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Fig.16

Fig.17

Fig.18

Fig.19

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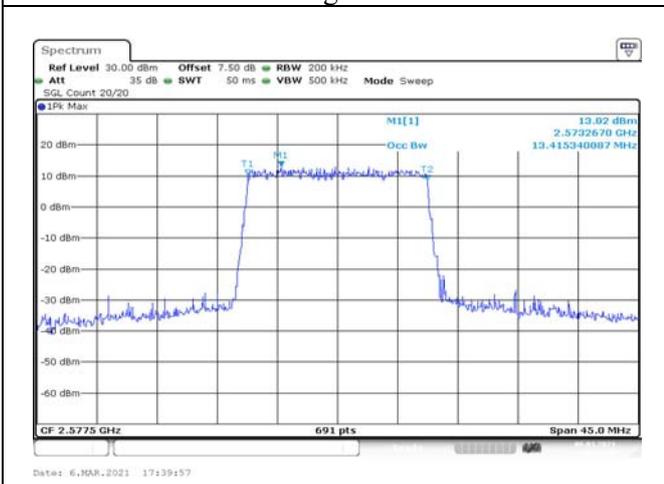
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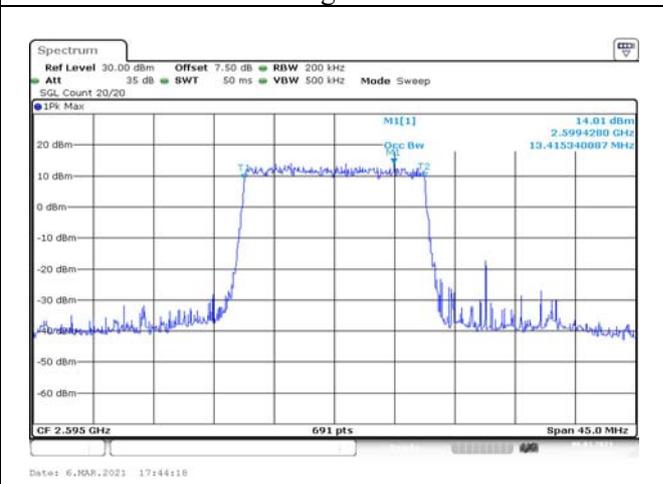
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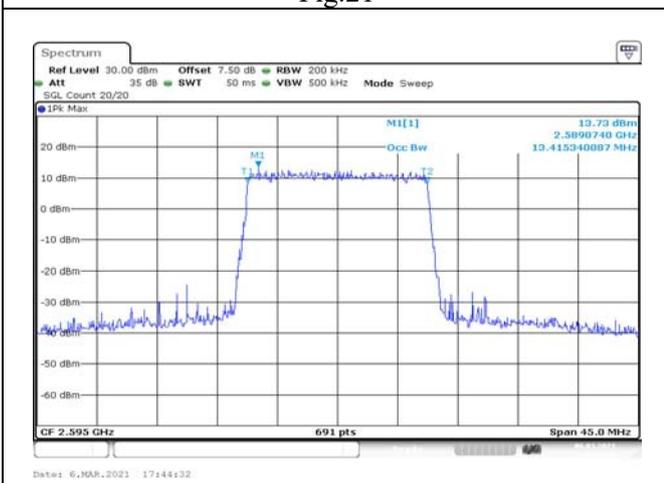
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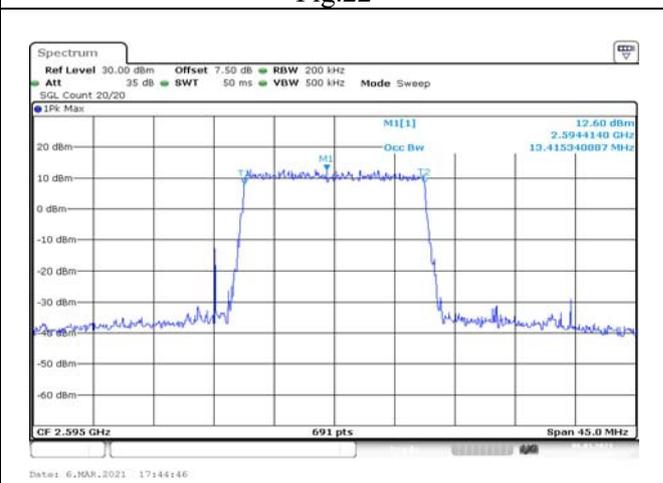
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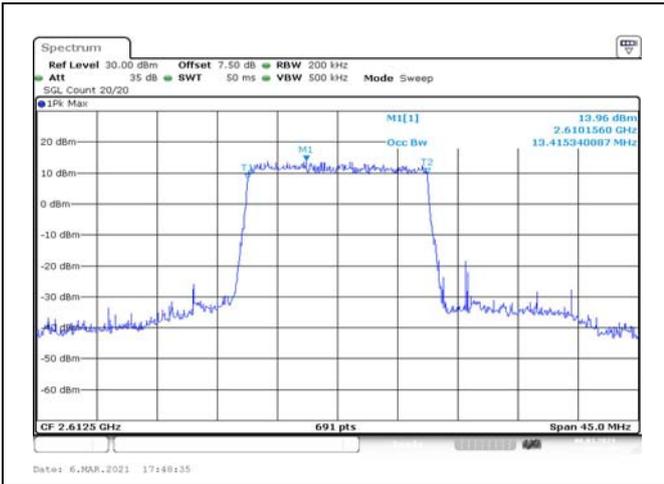
| Fig.25 | Fig.26 |

| Fig.27 | Fig.28 |

| Fig.29 | Fig.30 |
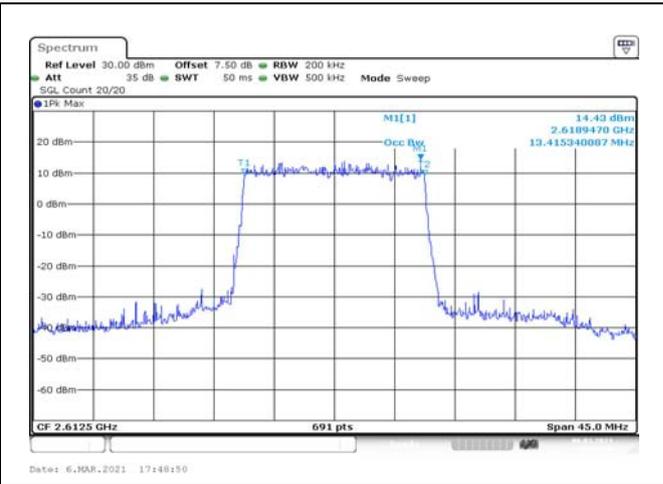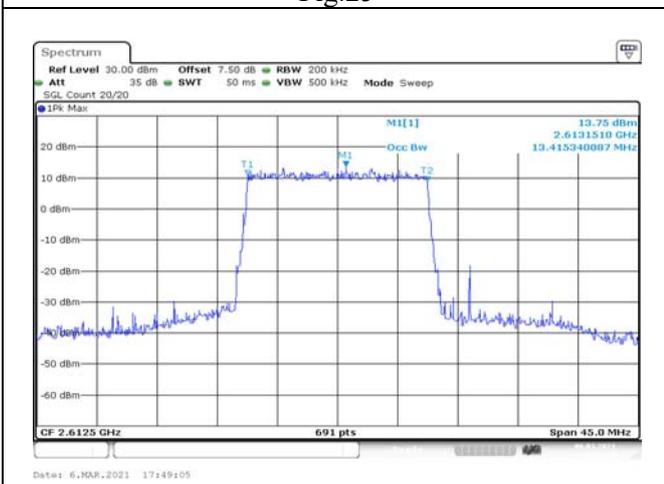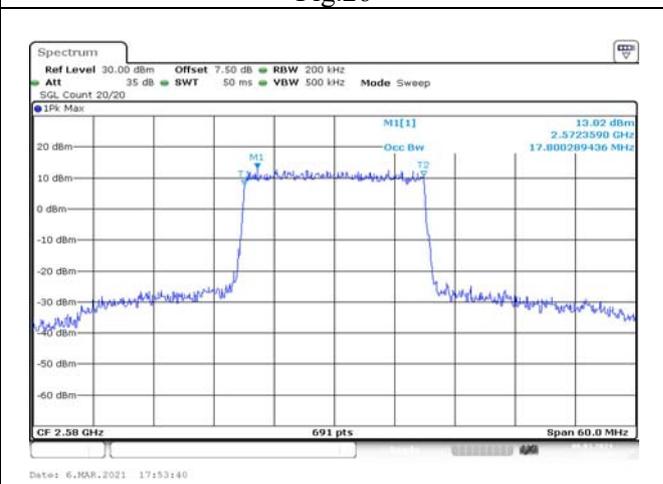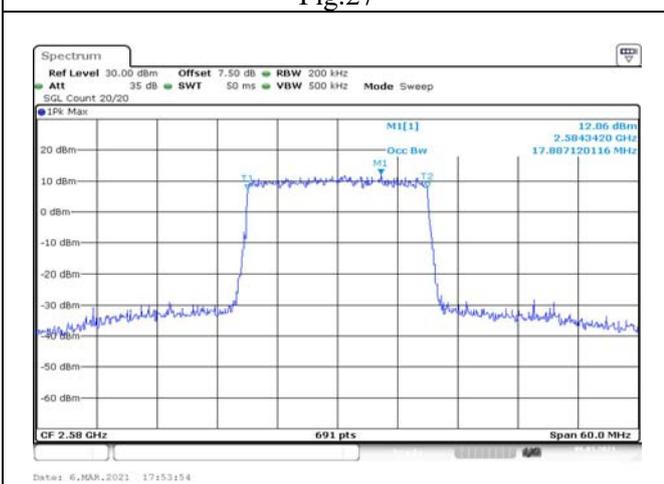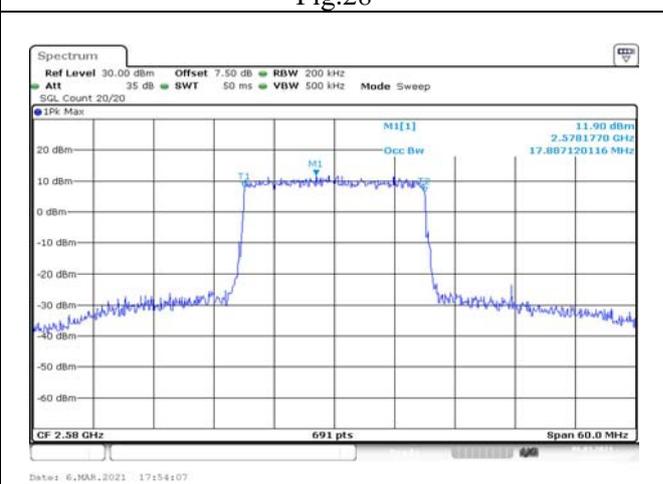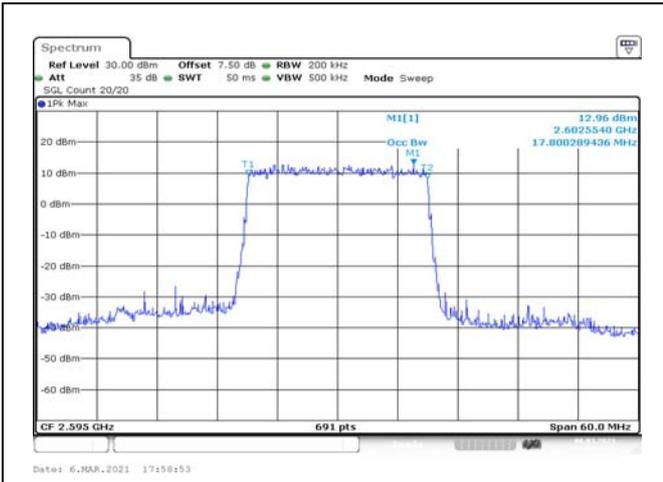
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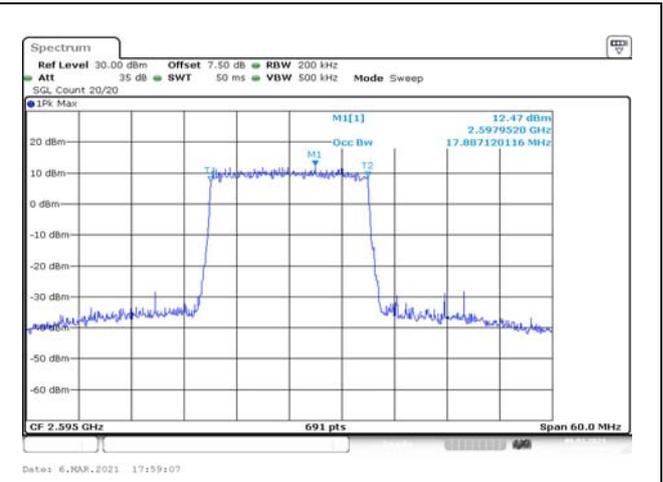
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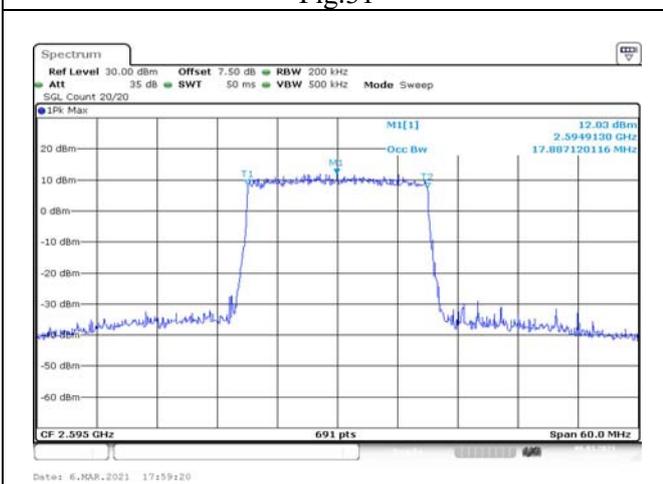
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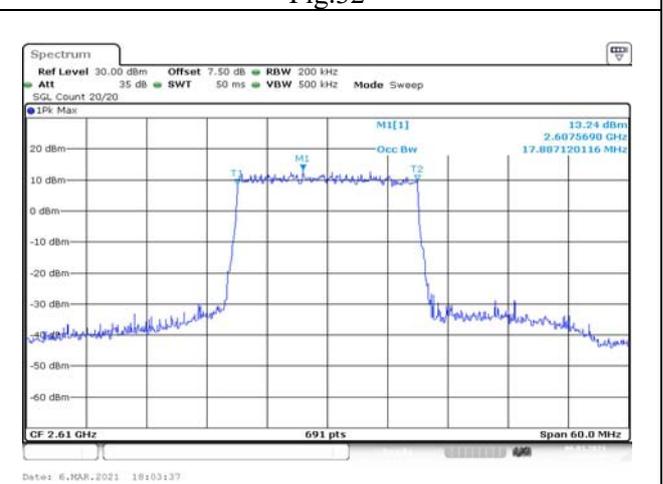
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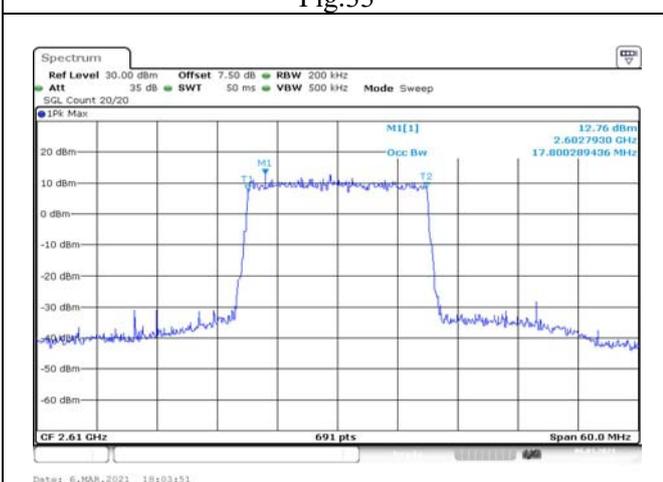
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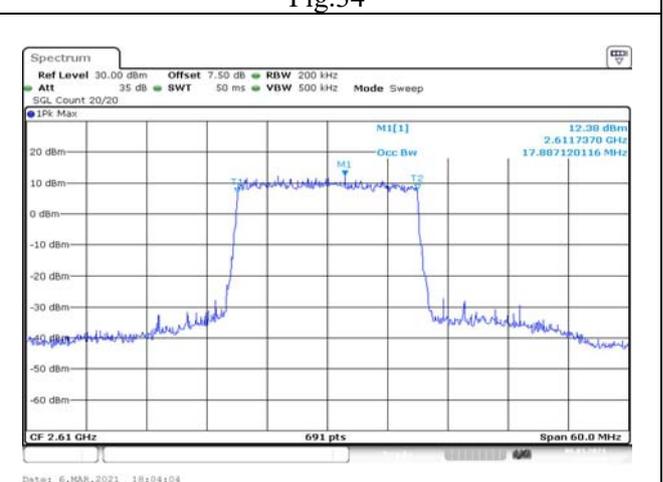
Fig.36

3 Emission Bandwidth

Band	Carrier frequerncy (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
38	2572.5	37775	5	25	0	4.797	Fig.1	4.819	Fig.2	4.797	Fig.3
	2595	38000		25	0	4.841	Fig.4	4.819	Fig.5	4.819	Fig.6
	2617.5	38225		25	0	4.797	Fig.7	4.797	Fig.8	4.863	Fig.9
	2575	37800	10	50	0	9.551	Fig.10	9.551	Fig.11	9.638	Fig.12
	2595	38000		50	0	9.595	Fig.13	9.551	Fig.14	9.595	Fig.15
	2615	38200		50	0	9.638	Fig.16	9.508	Fig.17	9.508	Fig.18
	2577.5	37825	15	75	0	14.457	Fig.19	14.457	Fig.20	14.392	Fig.21
	2595	38000		75	0	14.327	Fig.22	14.522	Fig.23	14.392	Fig.24
	2612.5	38175		75	0	14.457	Fig.25	14.197	Fig.26	14.392	Fig.27
	2580	37850	20	100	0	19.016	Fig.28	19.016	Fig.29	19.103	Fig.30
	2595	38000		100	0	18.929	Fig.31	18.929	Fig.32	18.842	Fig.33
	2610	38150		100	0	19.016	Fig.34	19.016	Fig.35	19.016	Fig.36
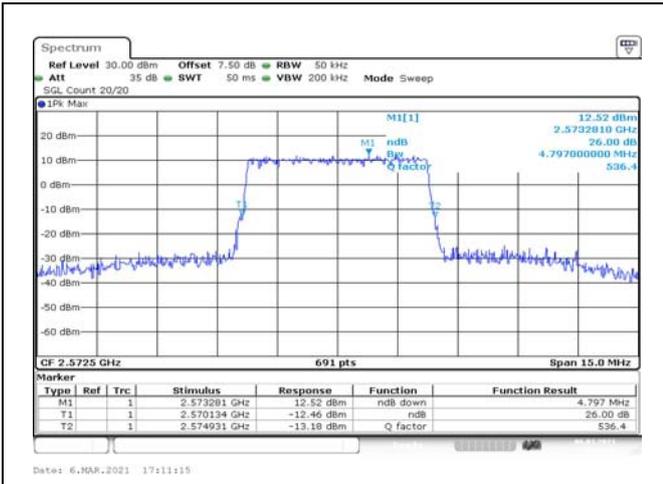
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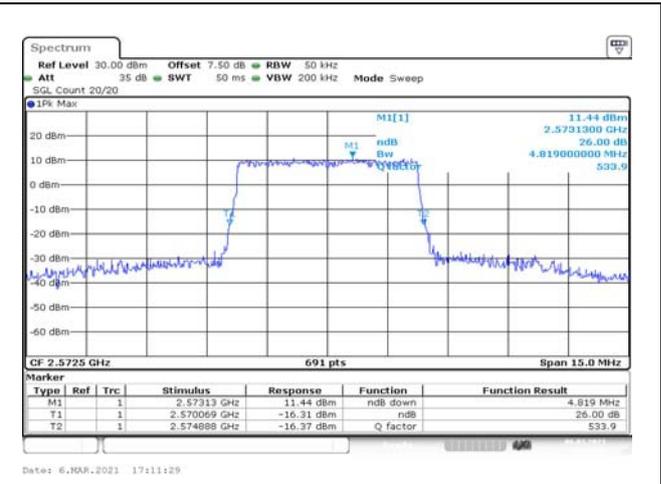
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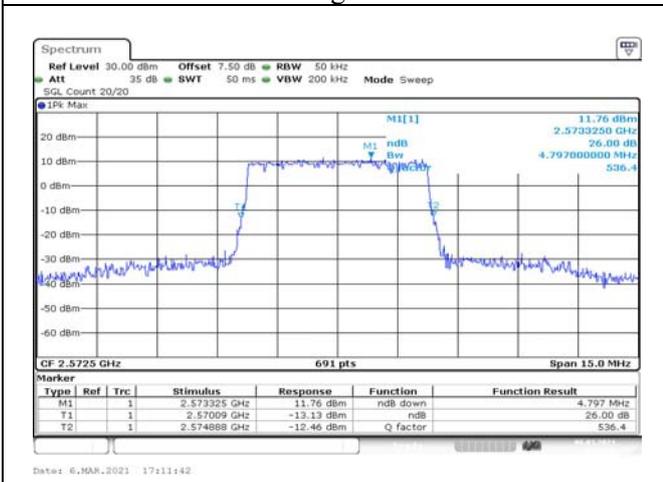
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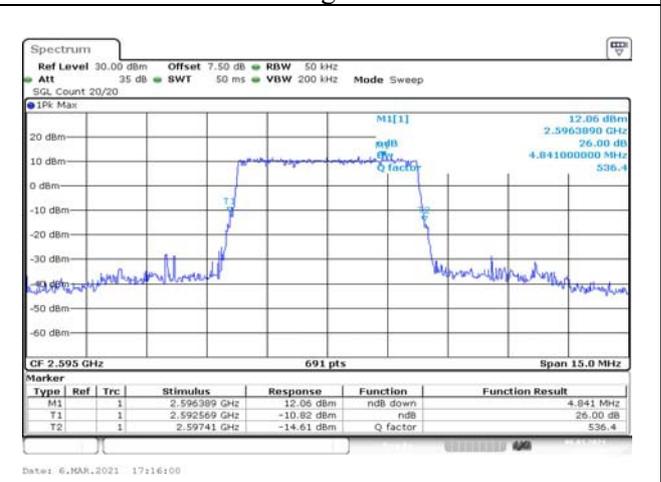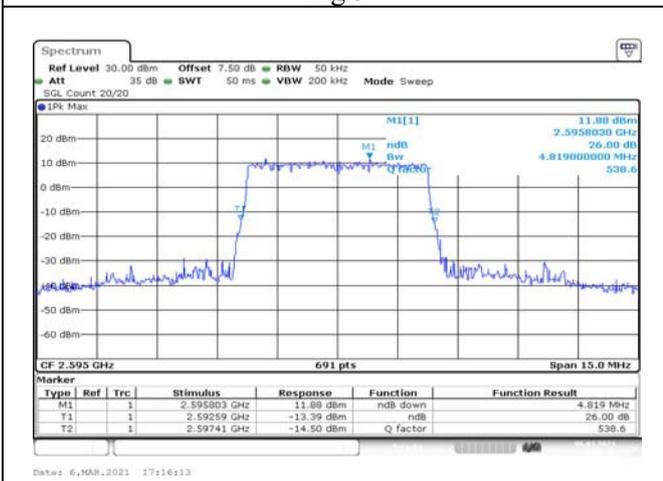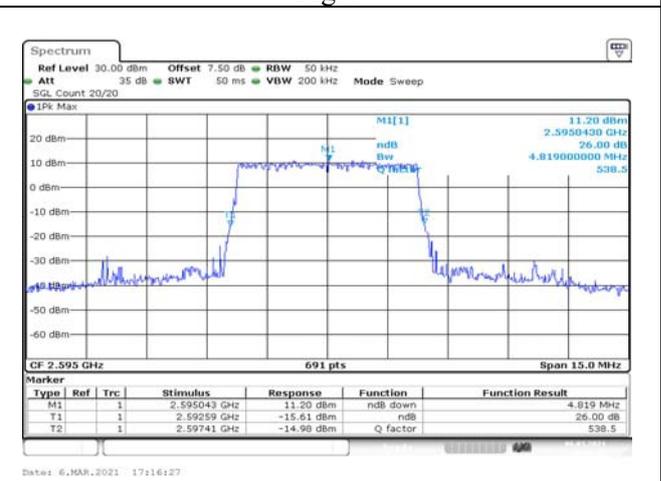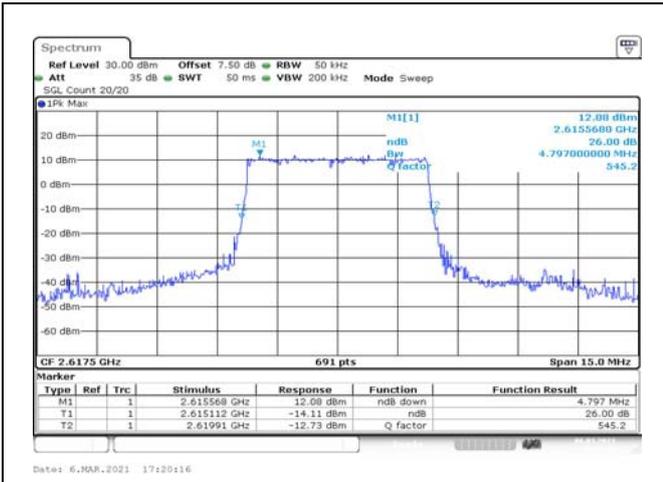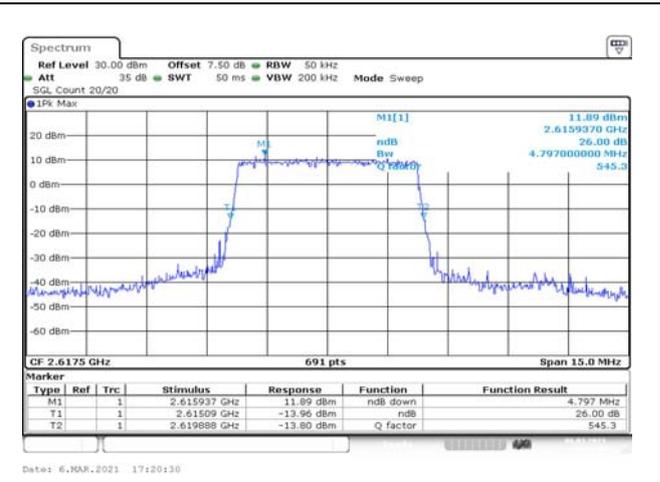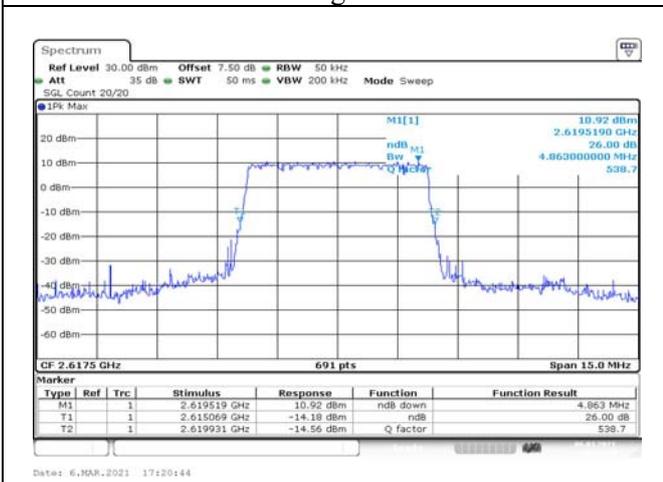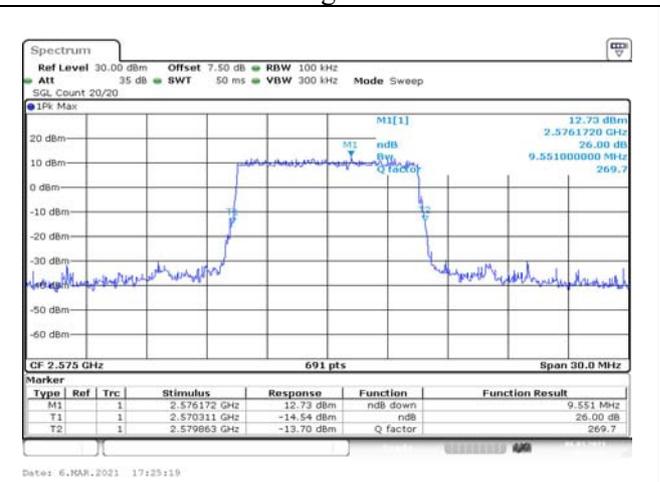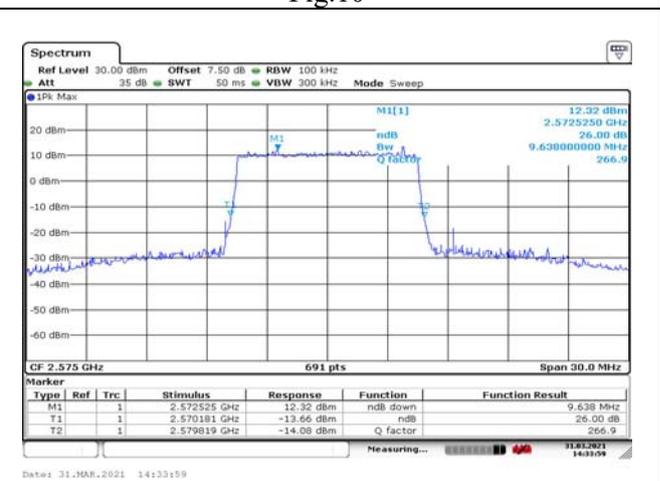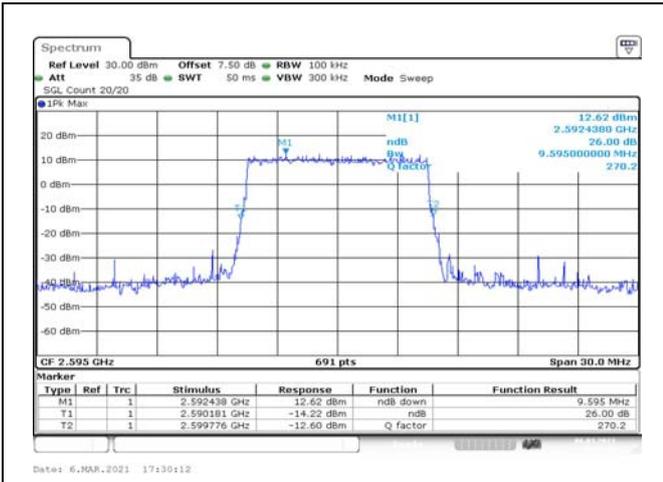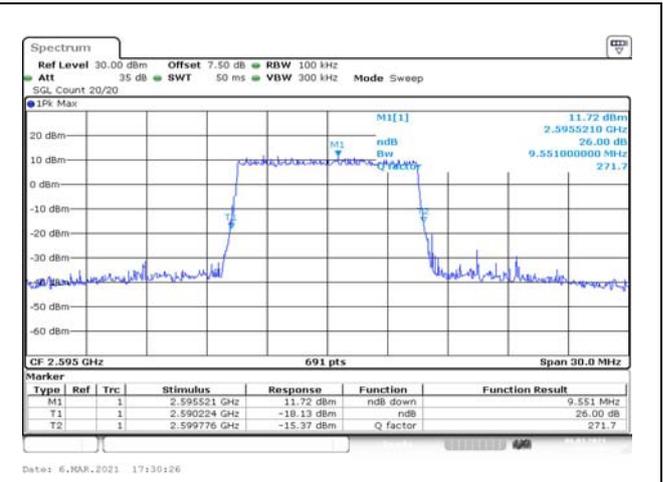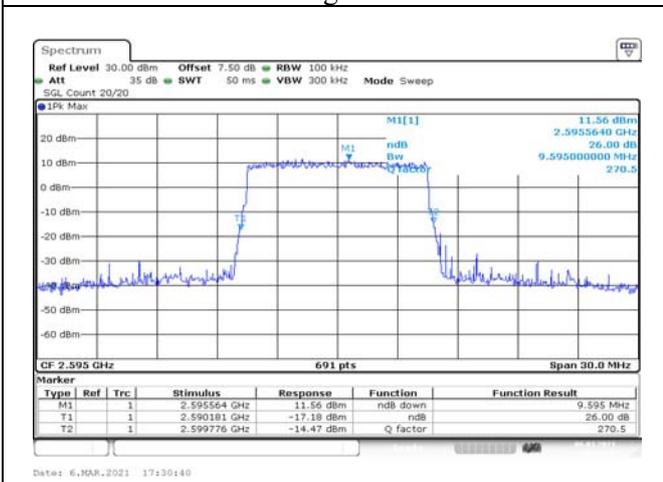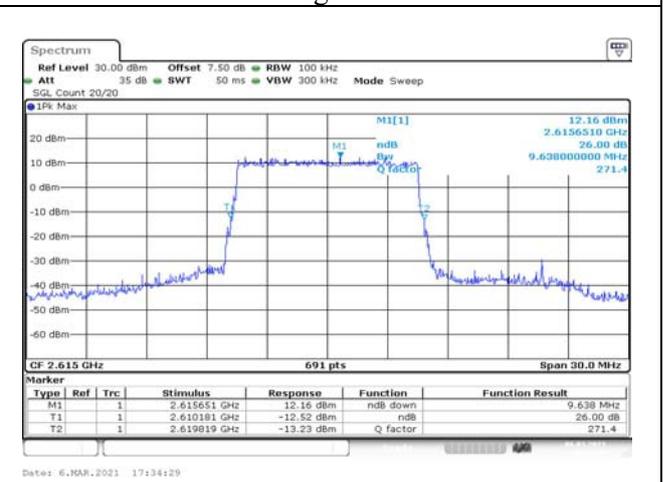
Fig.4

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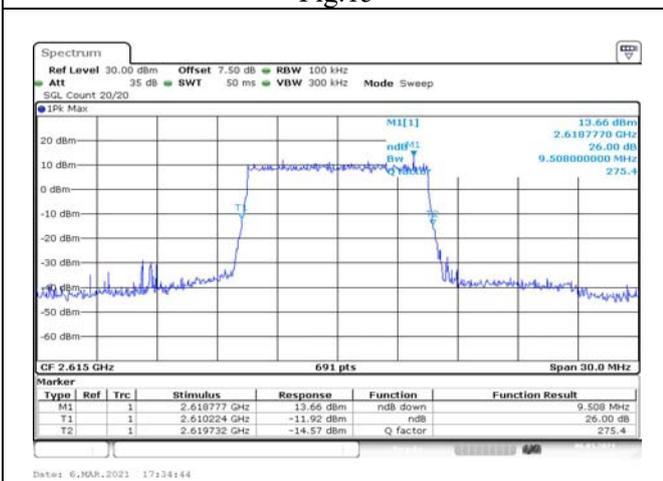
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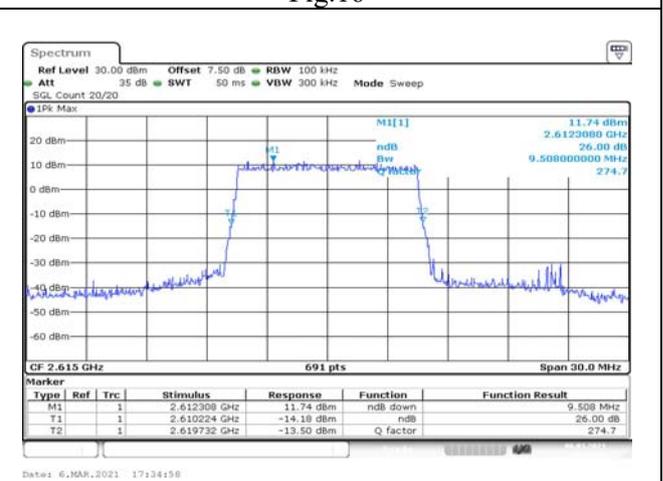
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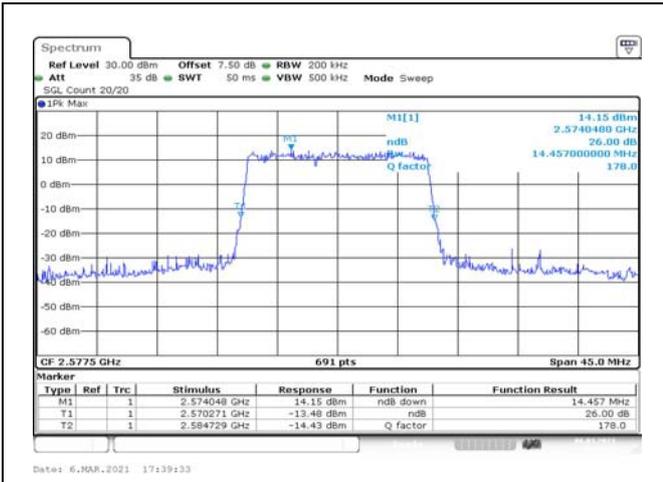
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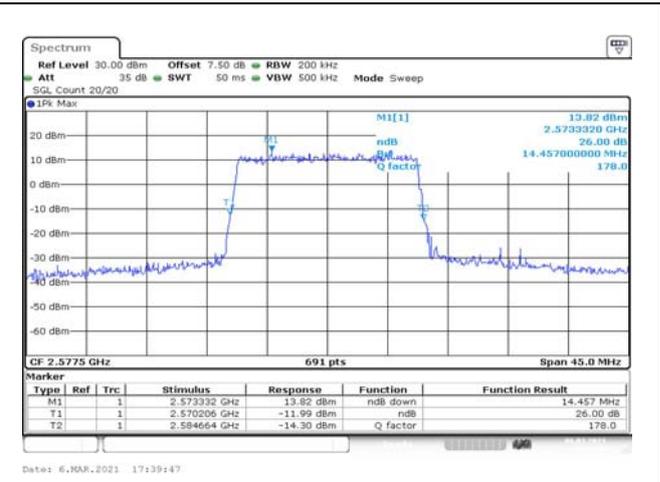
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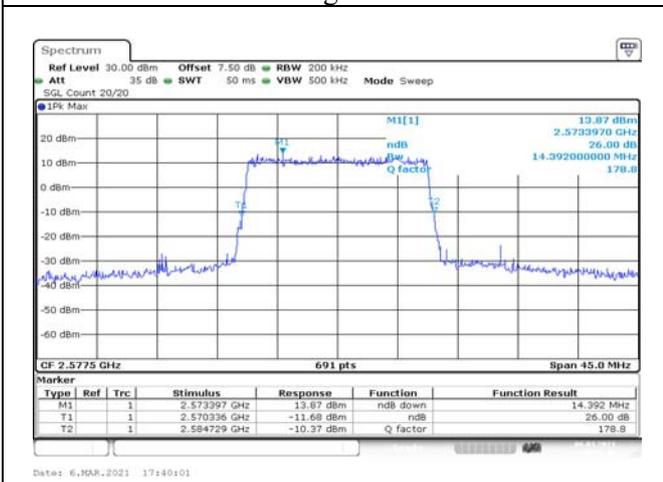
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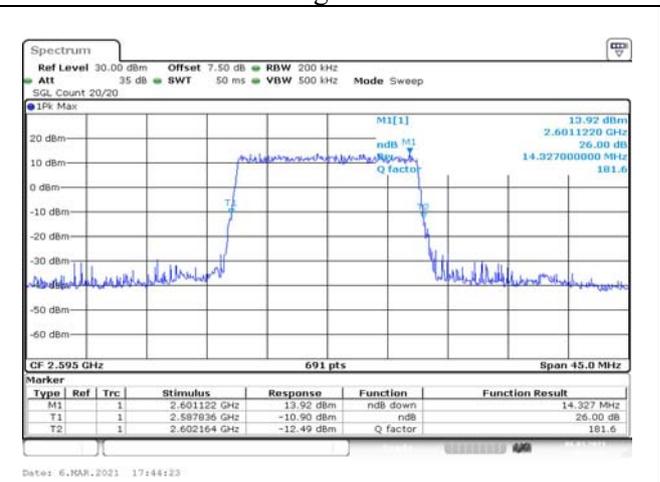
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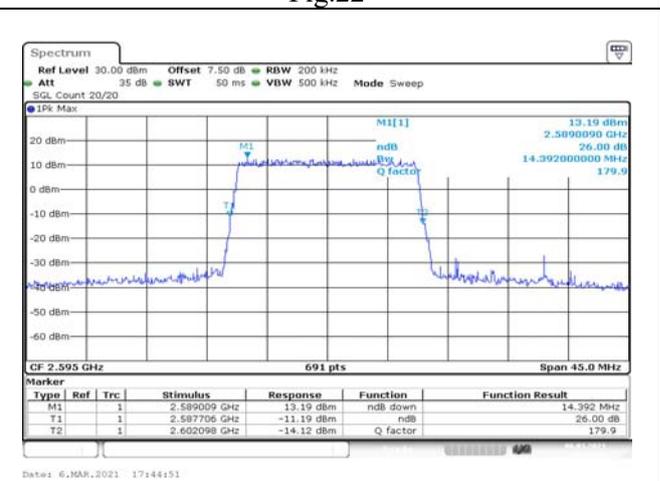
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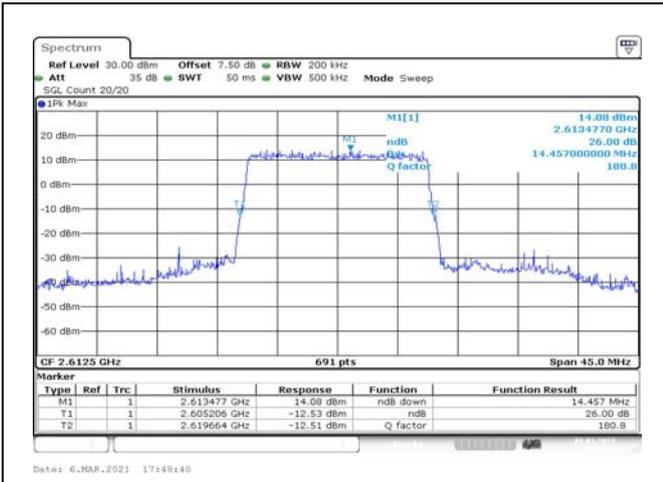
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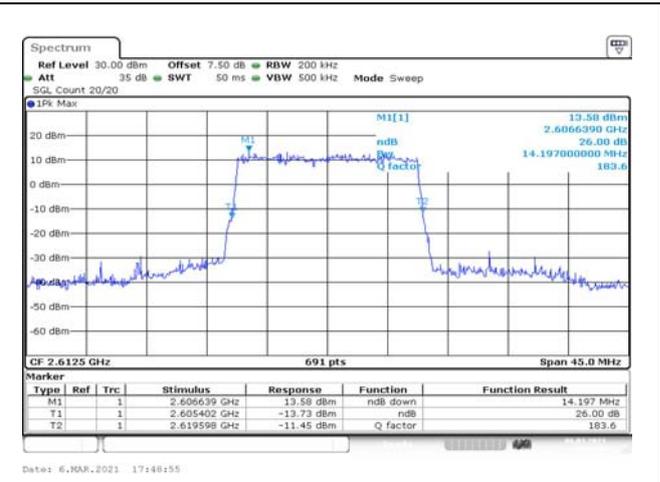
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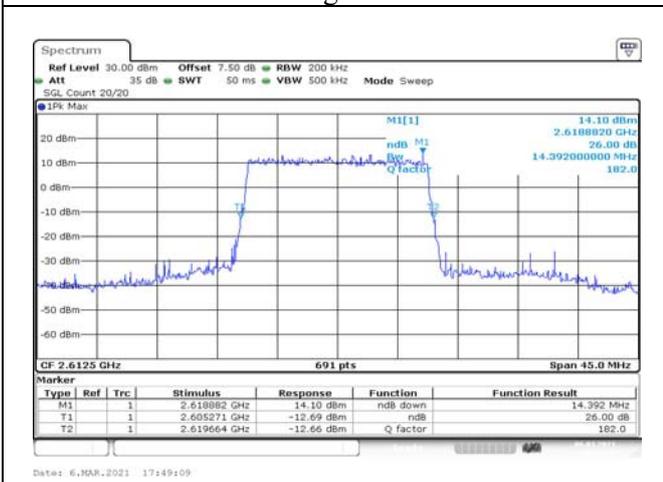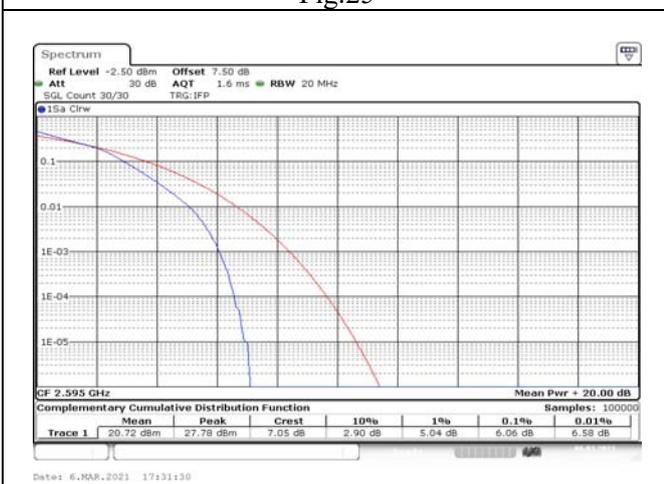

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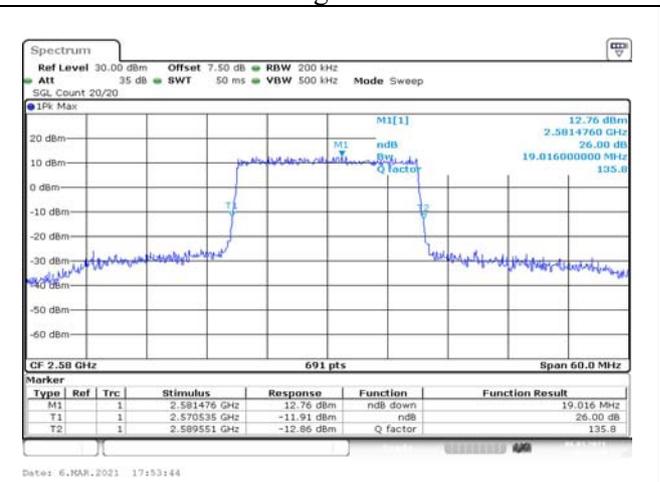
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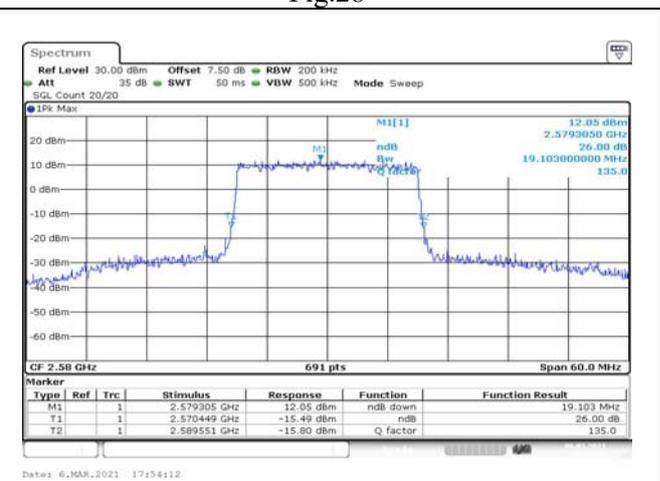
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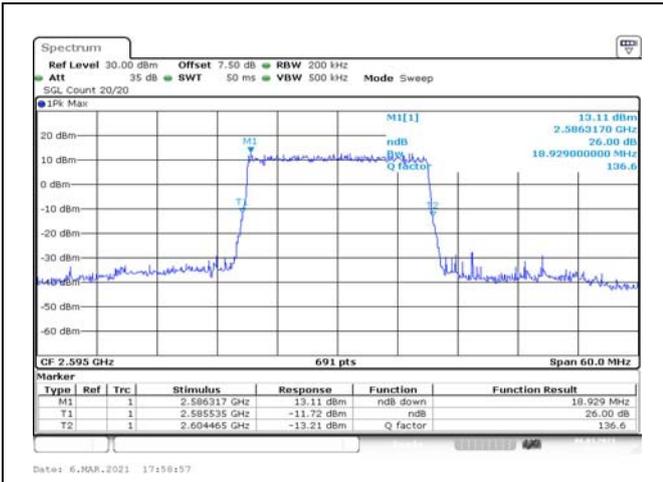
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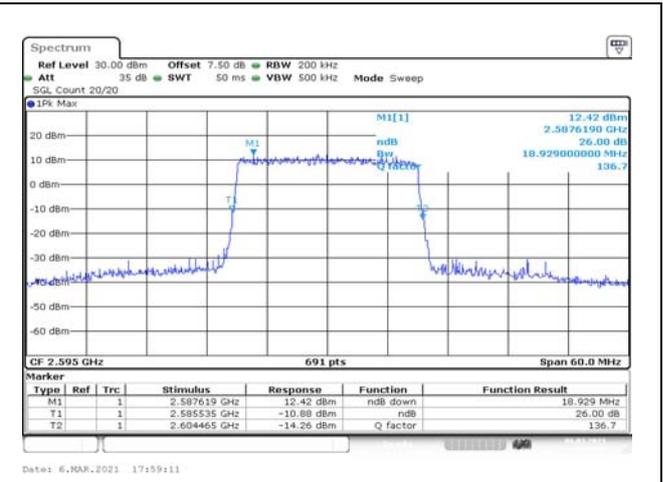
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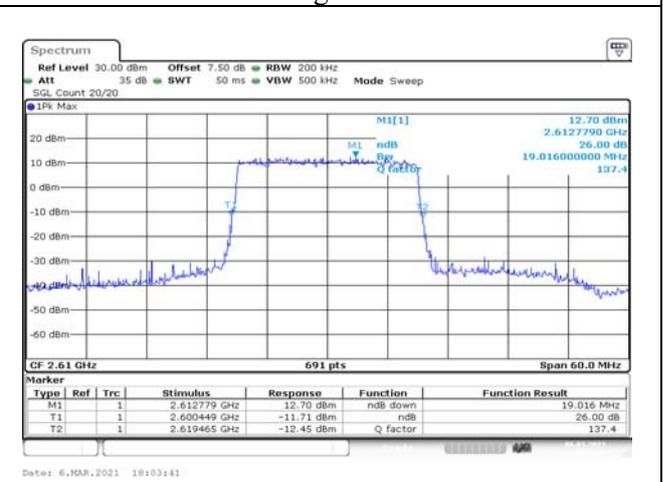
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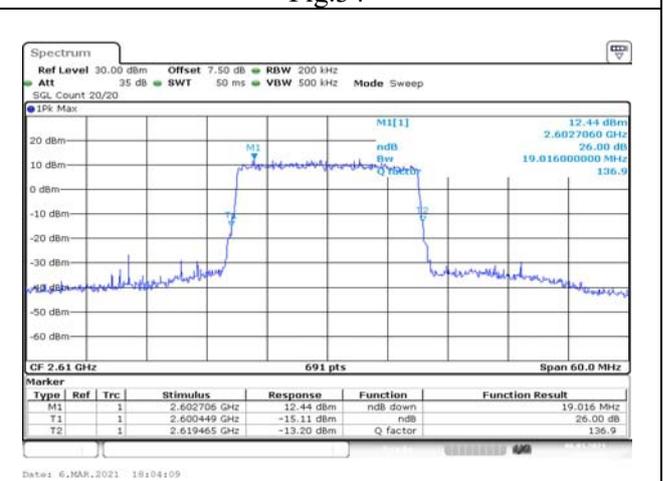
Fig.36

4   Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
38	2572.5	37775	5	1	24	Fig.1	Fig.2	Fig.3
	2572.5	37775		25	0	Fig.4	Fig.5	Fig.6
	2595	38000		1	24	Fig.7	Fig.8	Fig.9
	2595	38000		25	0	Fig.10	Fig.11	Fig.12
	2617.5	38225		1	24	Fig.13	Fig.14	Fig.15
	2617.5	38225		25	0	Fig.16	Fig.17	Fig.18
	2575	37800	10	1	49	Fig.19	Fig.20	Fig.21
	2575	37800		50	0	Fig.22	Fig.23	Fig.24
	2595	38000		1	49	Fig.25	Fig.26	Fig.27
	2595	38000		50	0	Fig.28	Fig.29	Fig.30
	2615	38200		1	49	Fig.31	Fig.32	Fig.33
	2615	38200		50	0	Fig.34	Fig.35	Fig.36
	2577.5	37825	15	1	74	Fig.37	Fig.38	Fig.39
	2577.5	37825		75	0	Fig.40	Fig.41	Fig.42
	2595	38000		1	74	Fig.43	Fig.44	Fig.45
	2595	38000		75	0	Fig.46	Fig.47	Fig.48
	2612.5	38175		1	74	Fig.49	Fig.50	Fig.51
	2612.5	38175		75	0	Fig.52	Fig.53	Fig.54
	2580	37850	20	1	99	Fig.55	Fig.56	Fig.57
	2580	37850		100	0	Fig.58	Fig.59	Fig.60
	2595	38000		1	99	Fig.61	Fig.62	Fig.63
	2595	38000		100	0	Fig.64	Fig.65	Fig.66
	2610	38150		1	99	Fig.67	Fig.68	Fig.69
	2610	38150		100	0	Fig.70	Fig.71	Fig.72
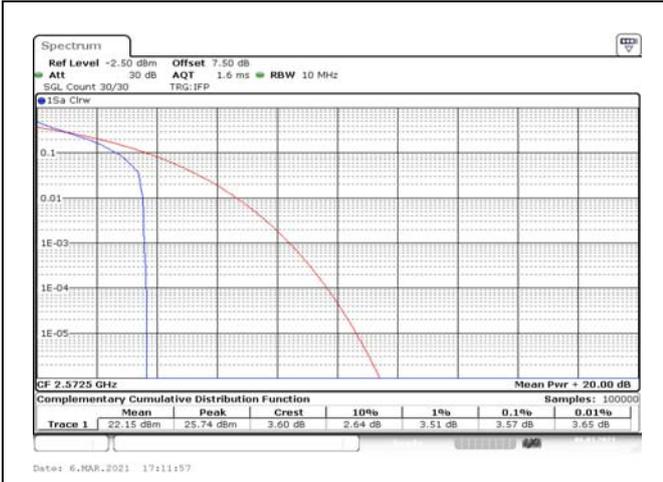
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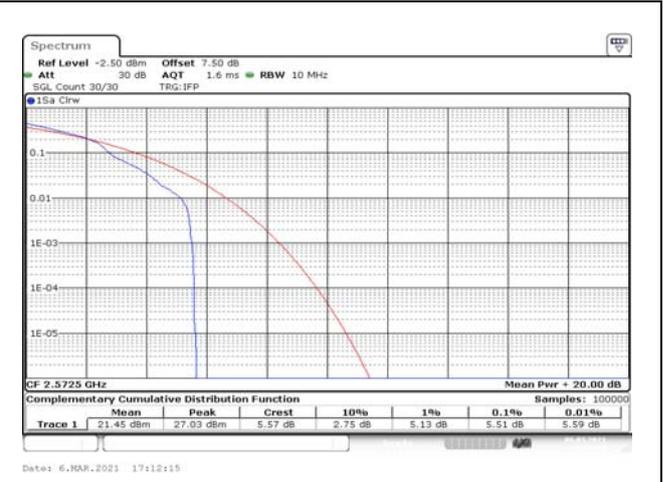
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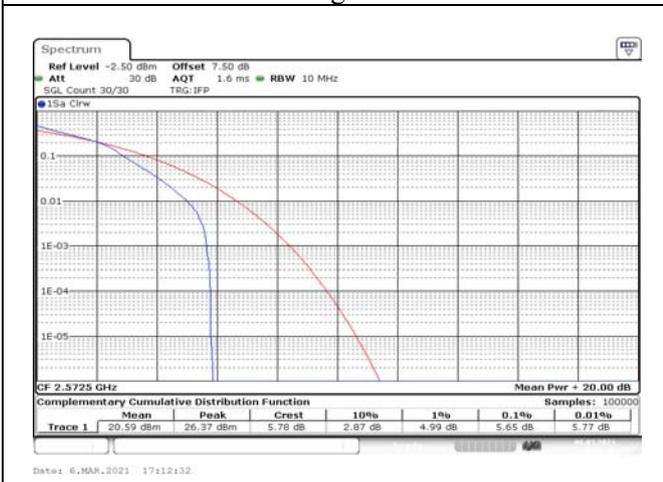
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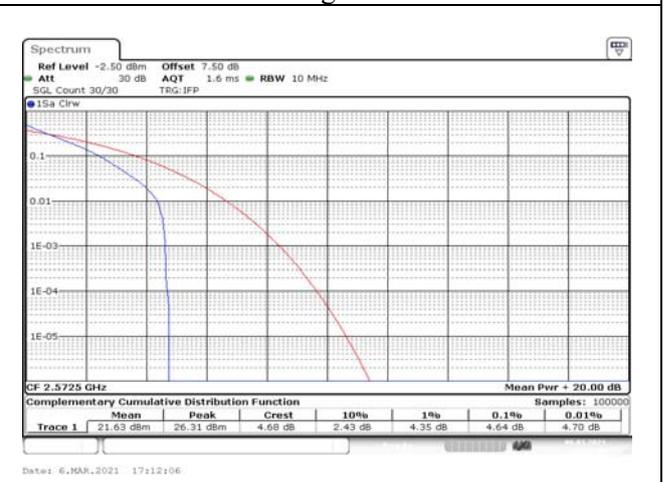
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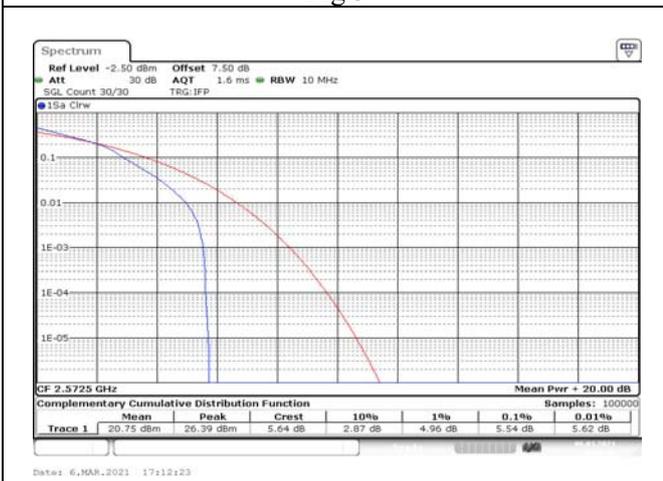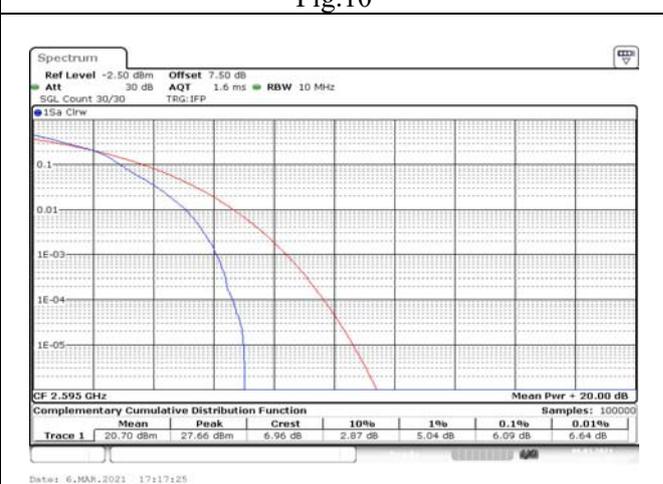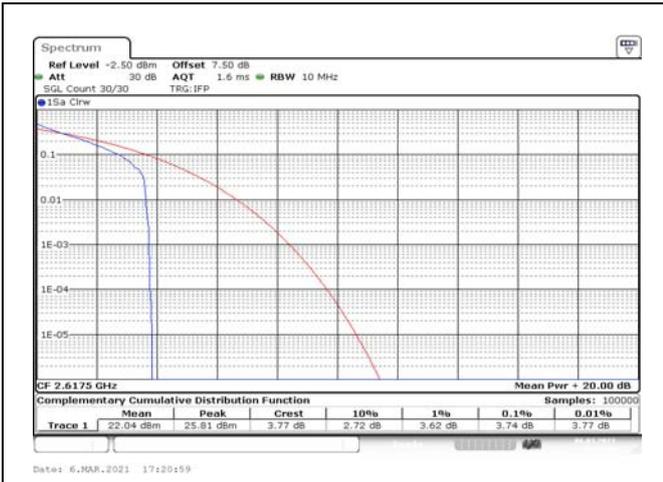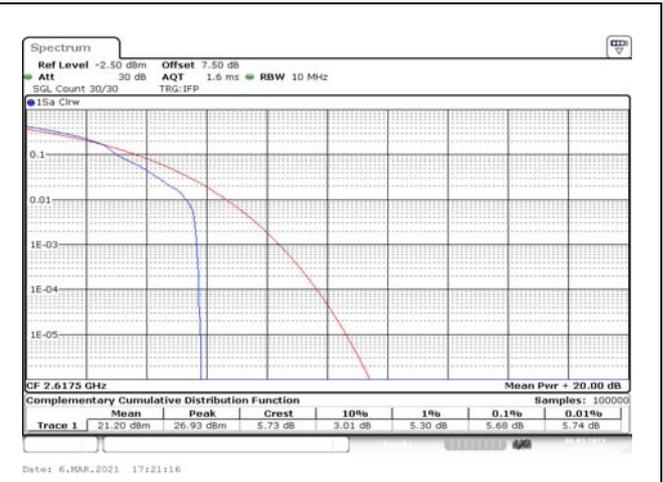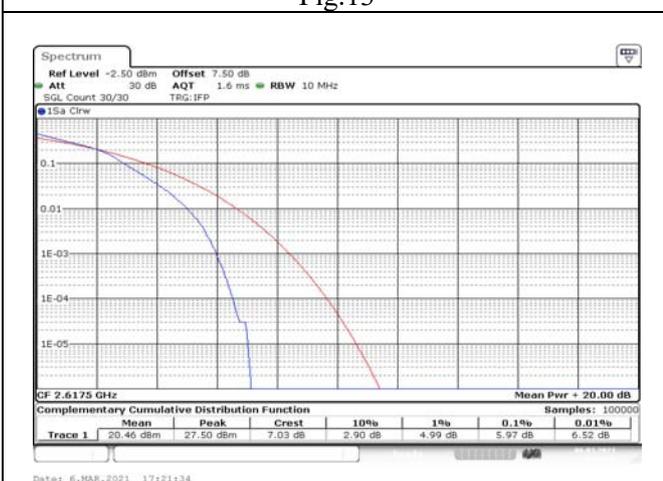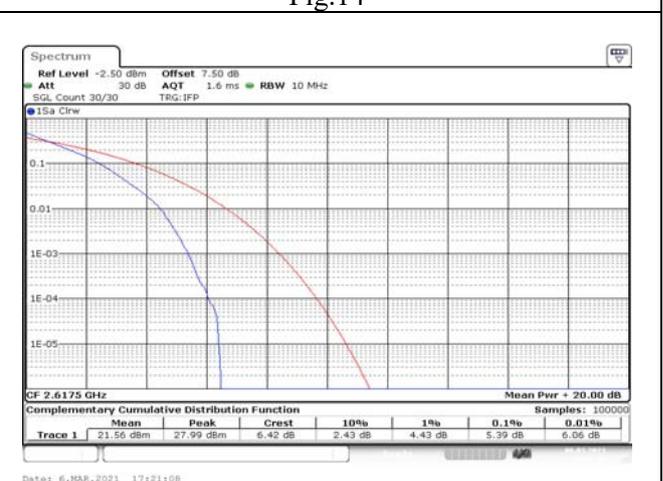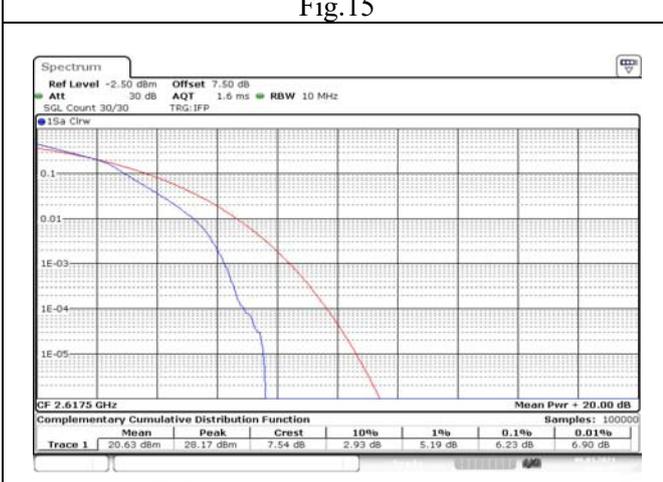
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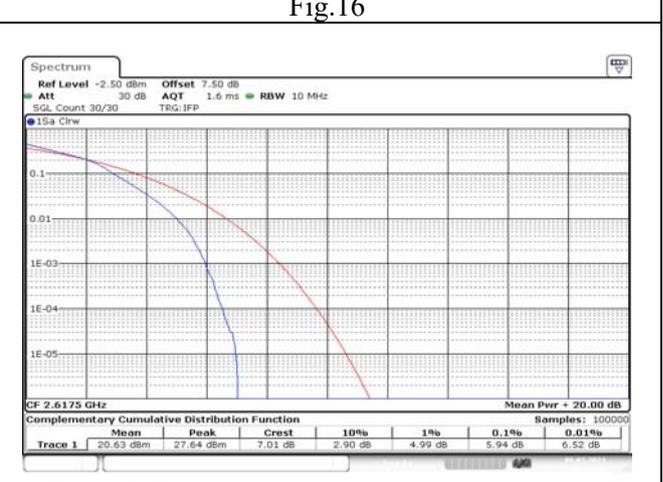
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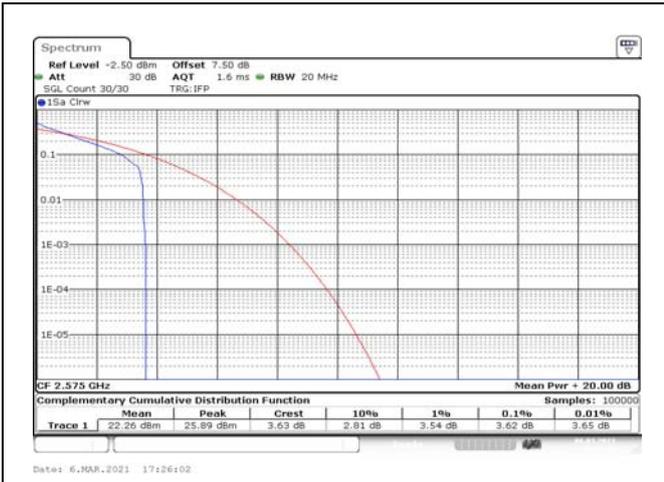
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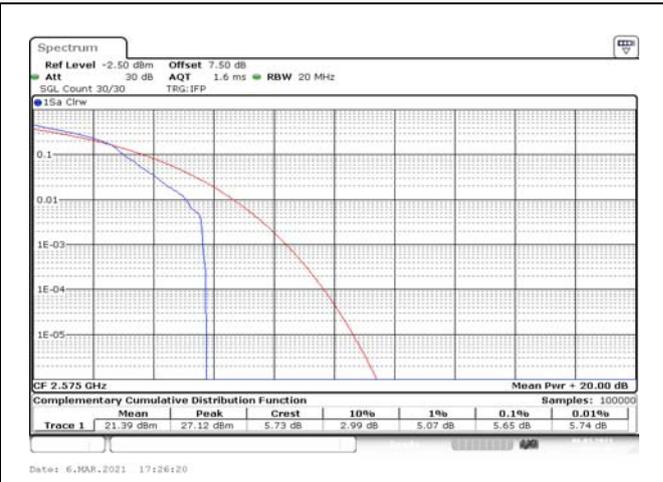
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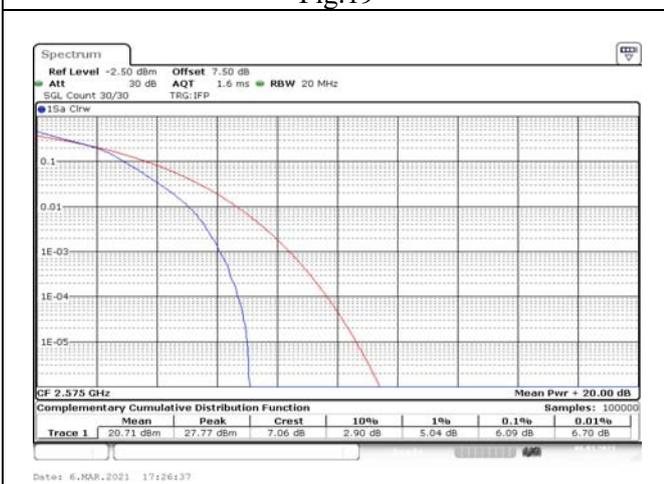
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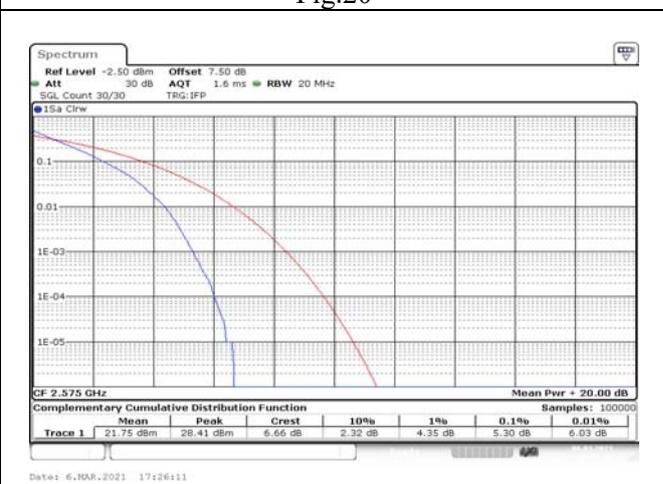
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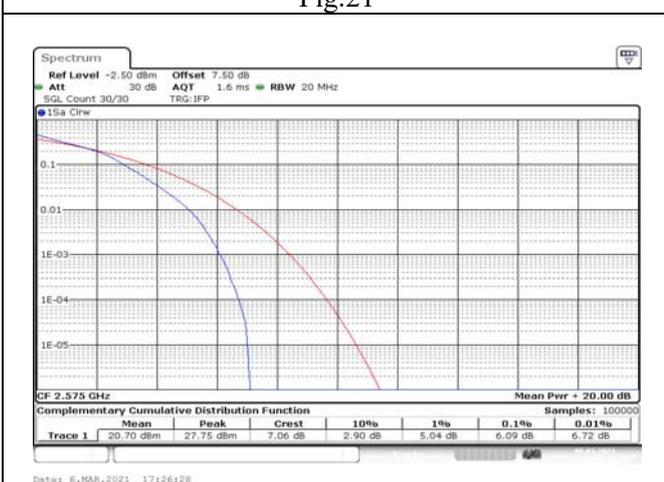
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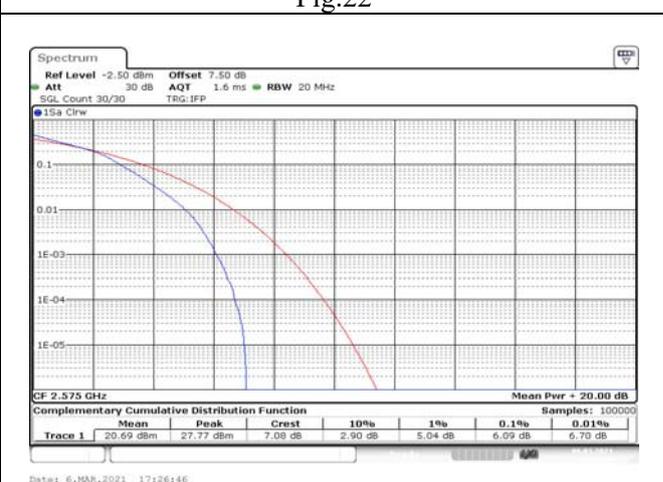
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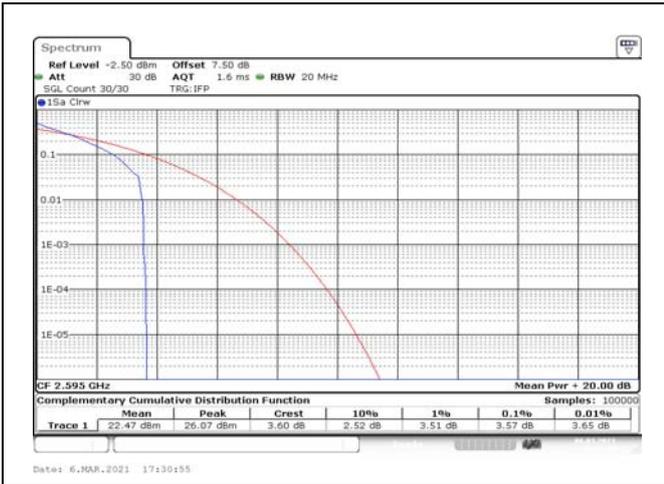
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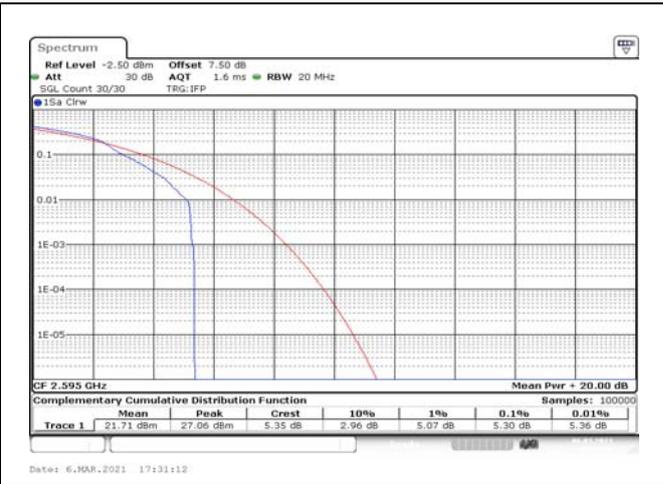
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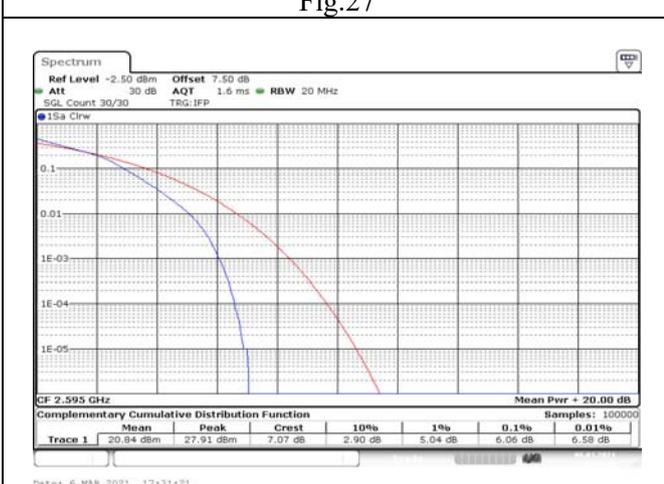
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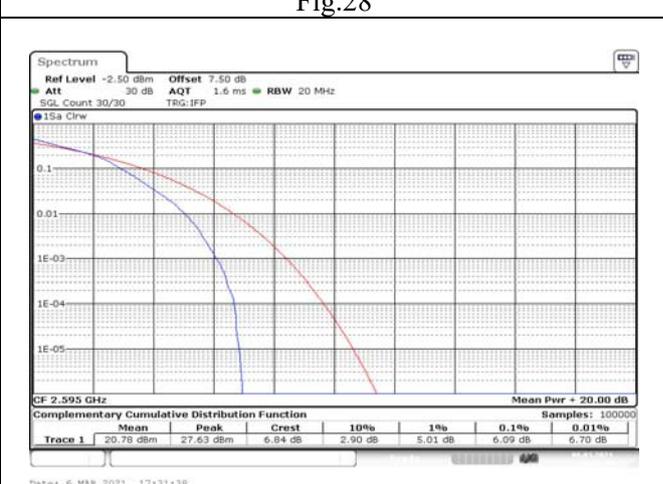
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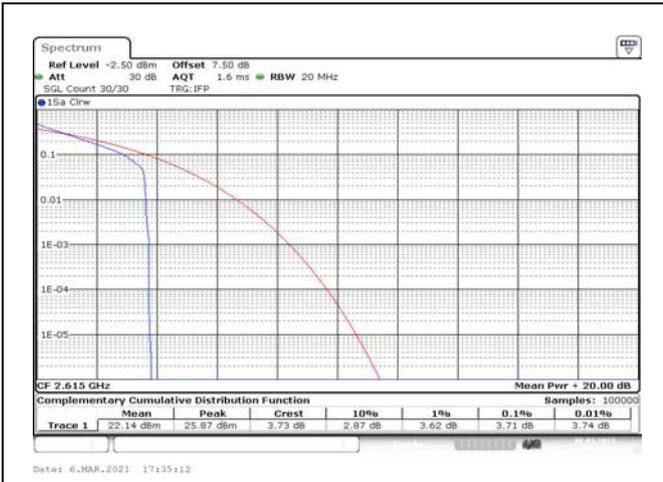
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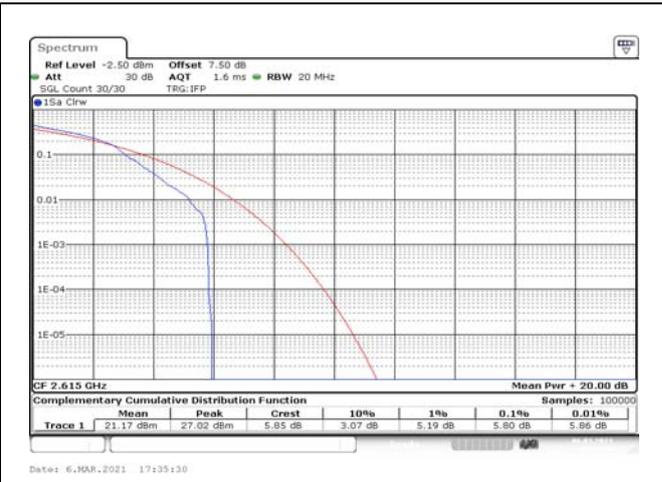
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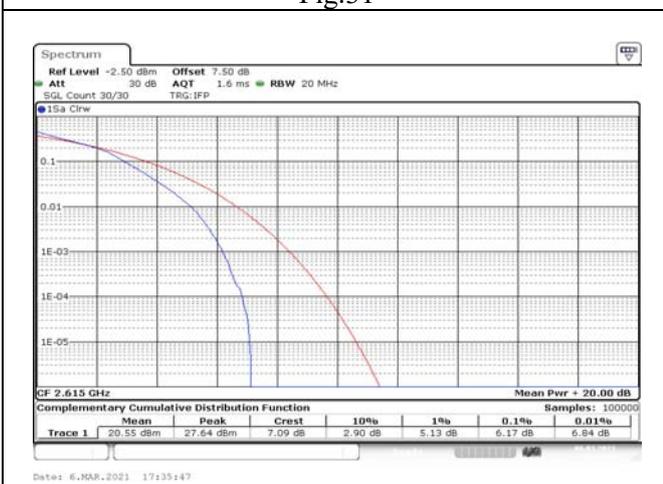
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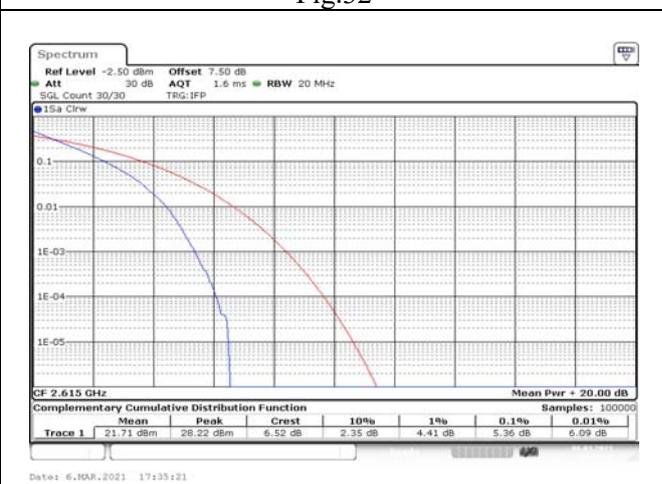
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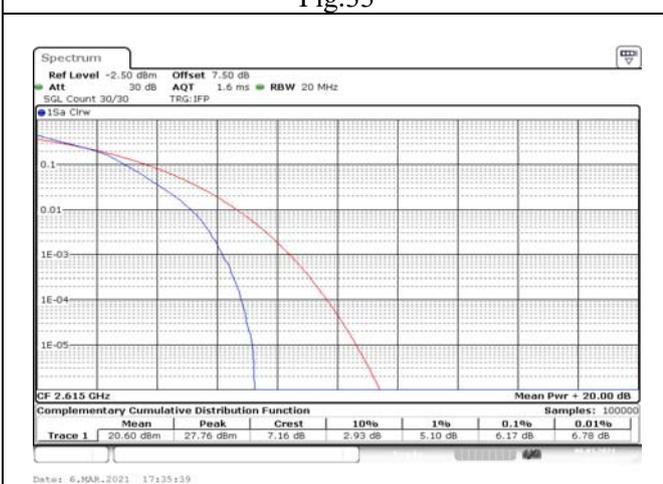
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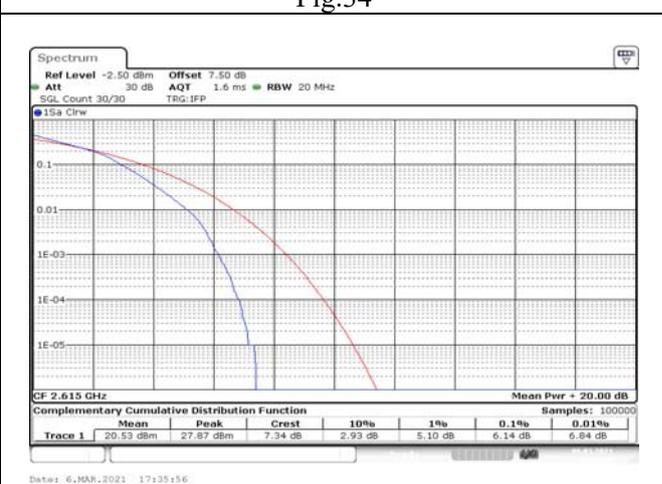
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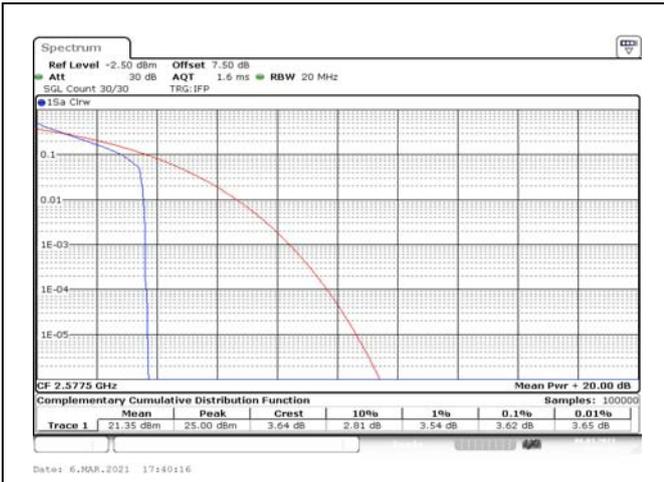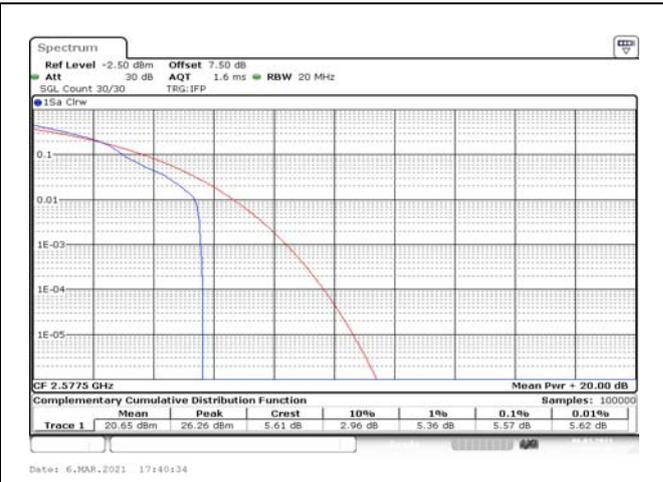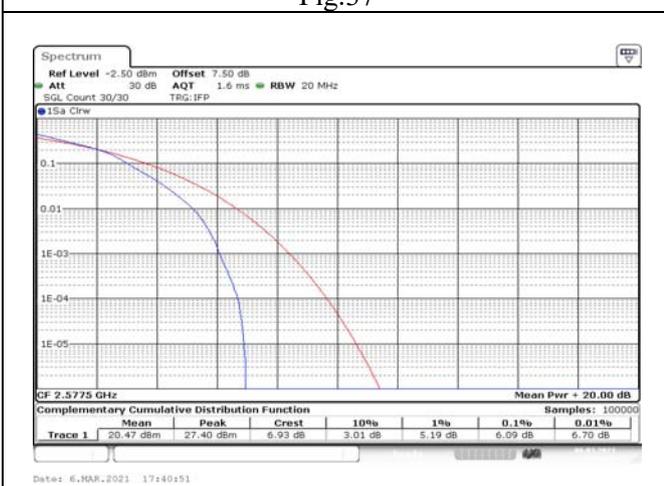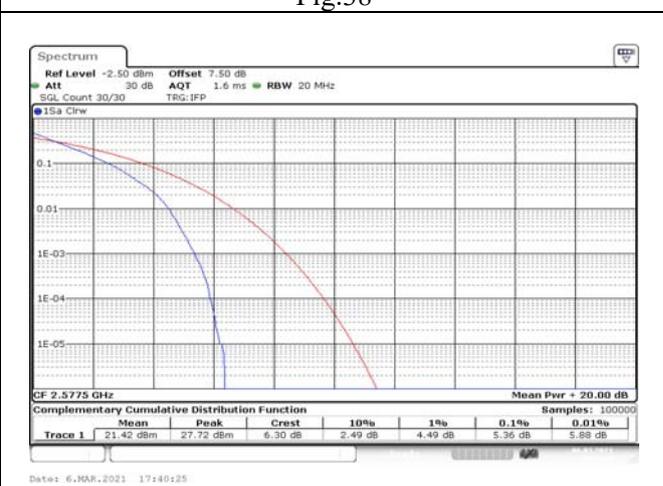
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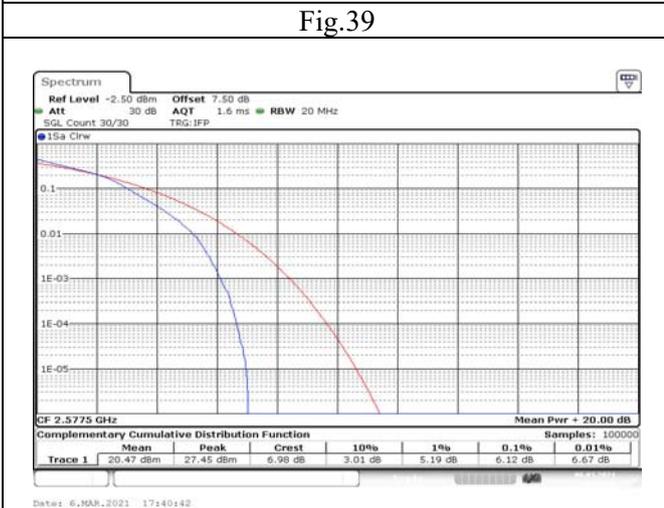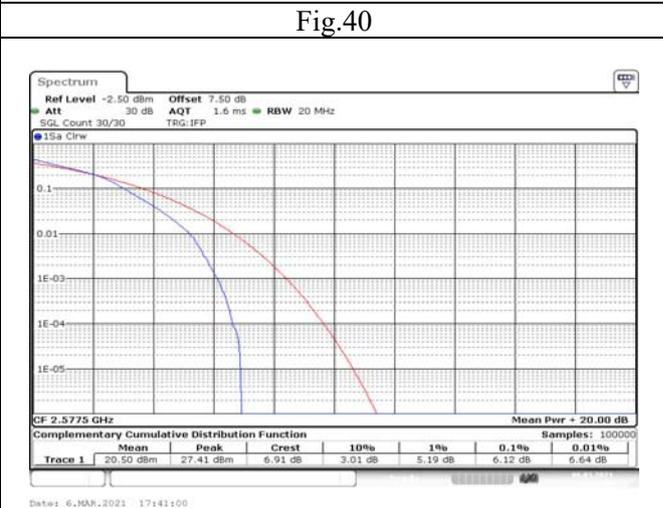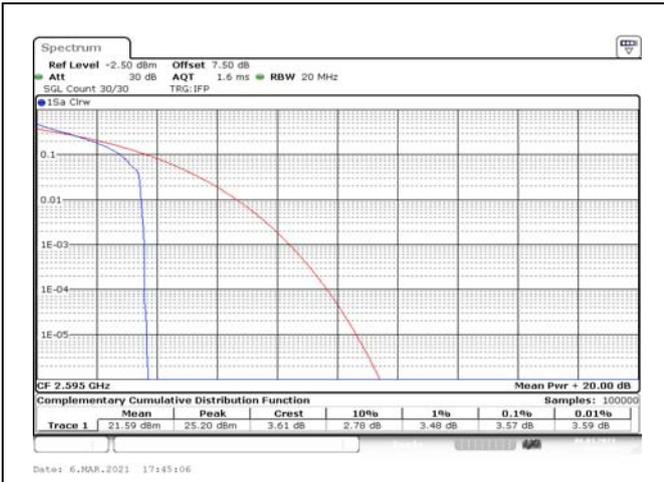
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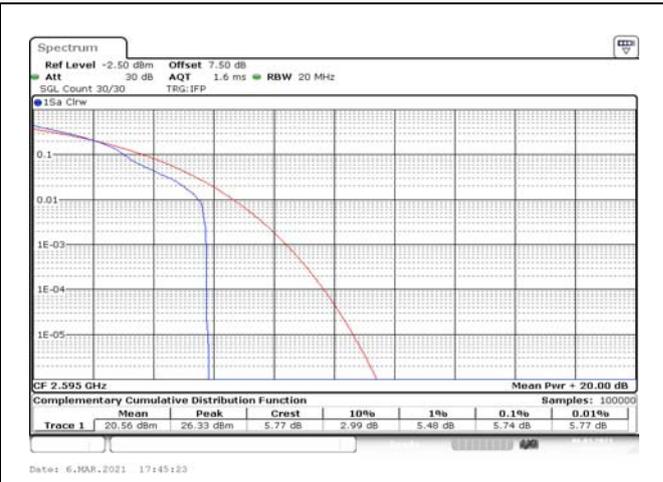
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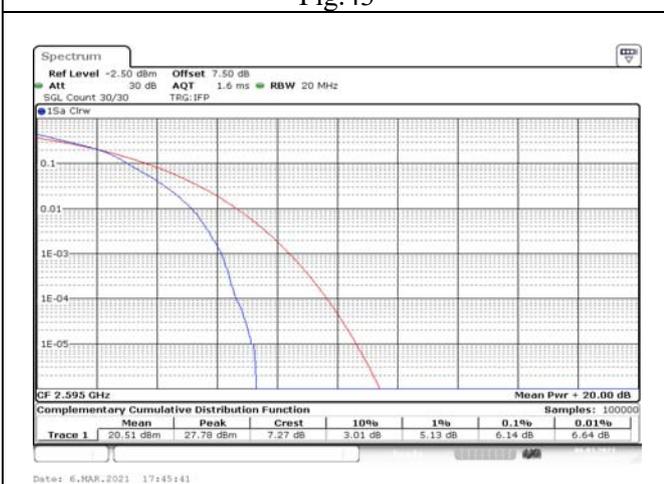
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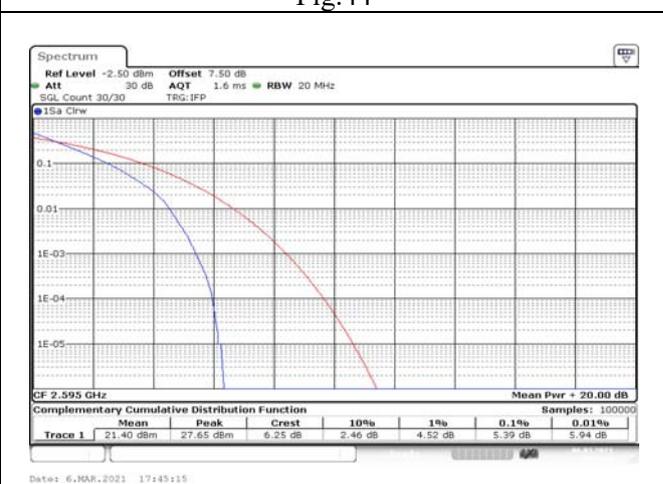
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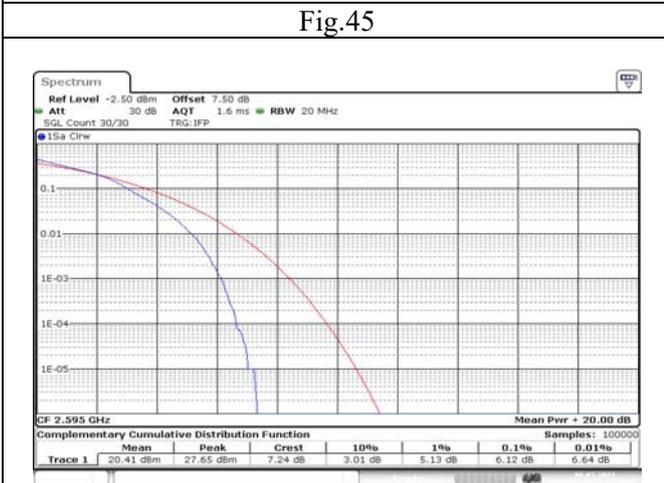
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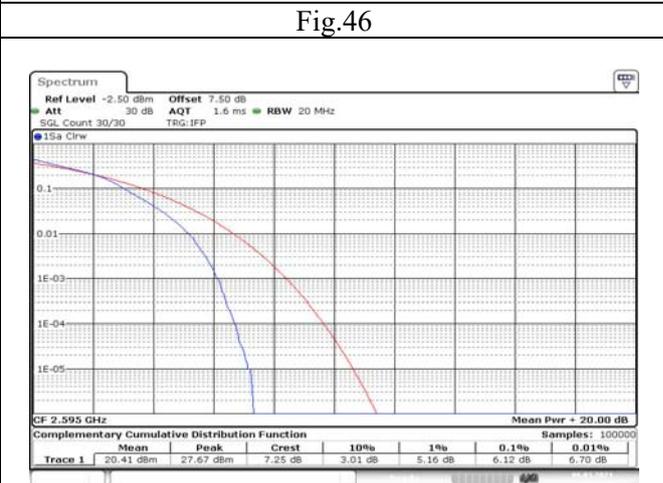
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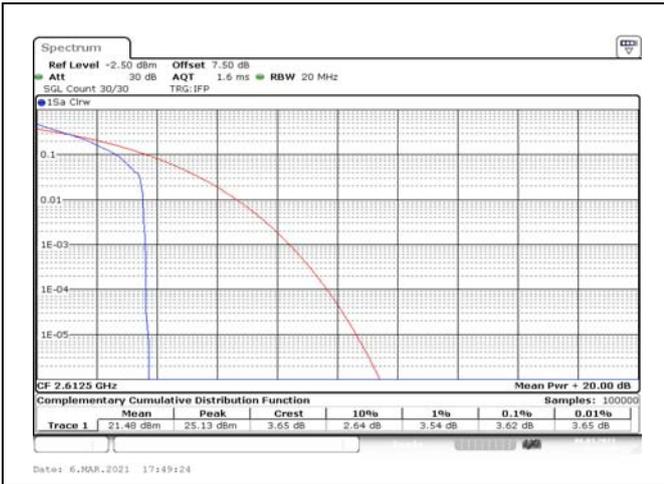
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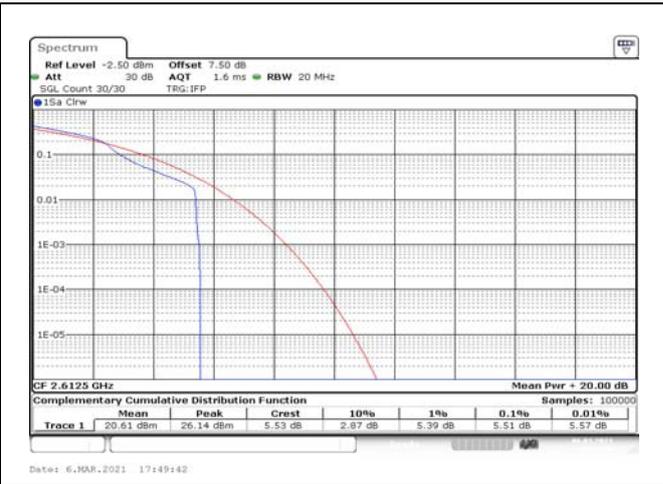
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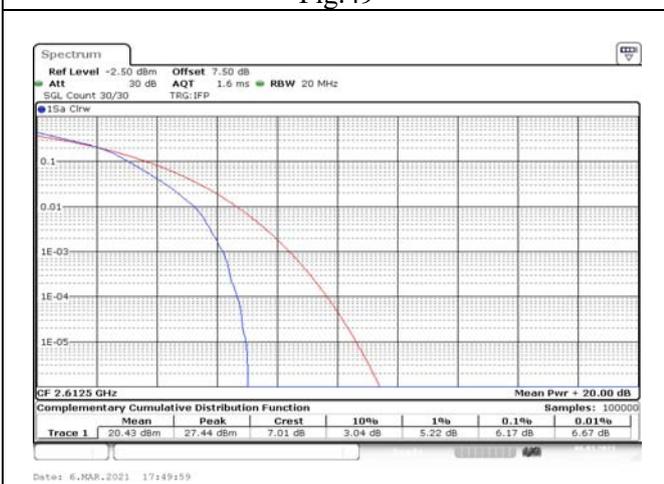
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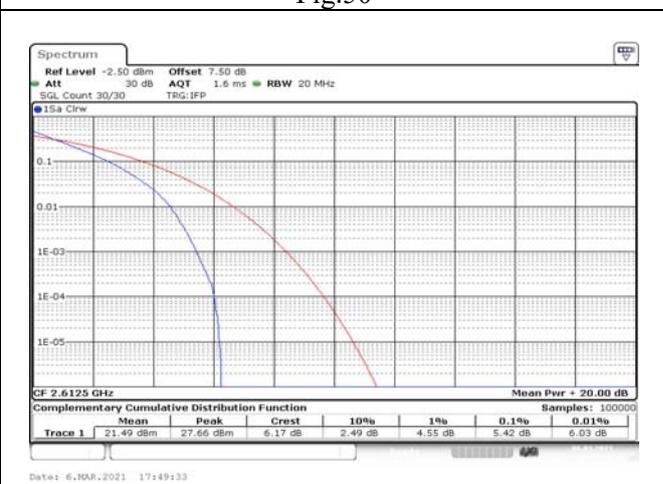
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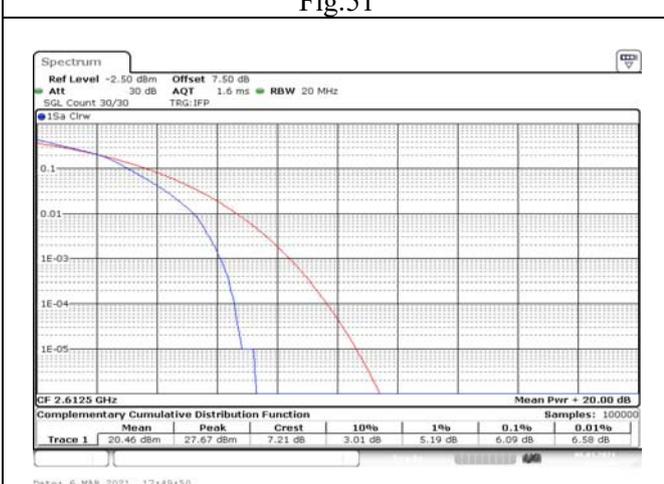
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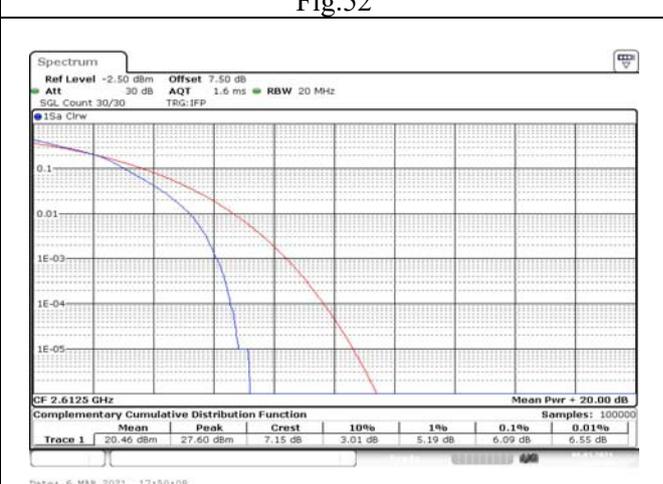
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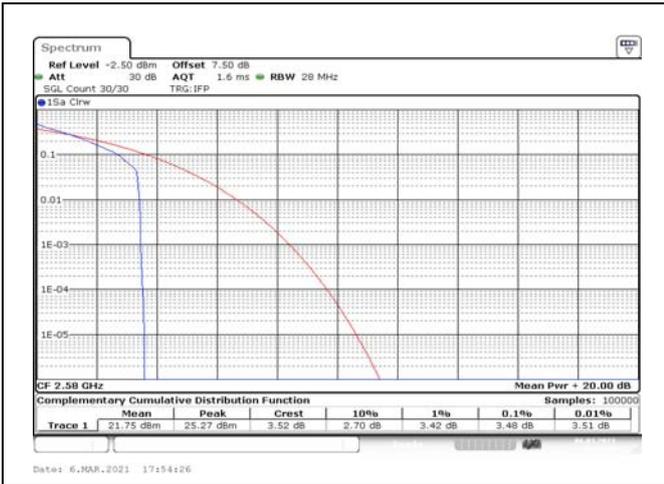
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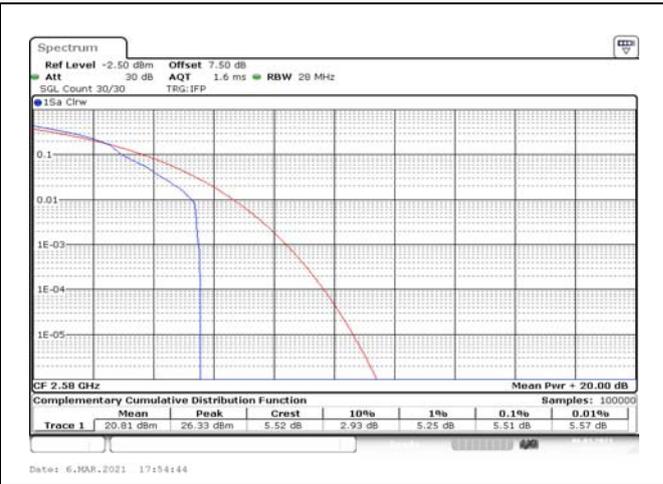
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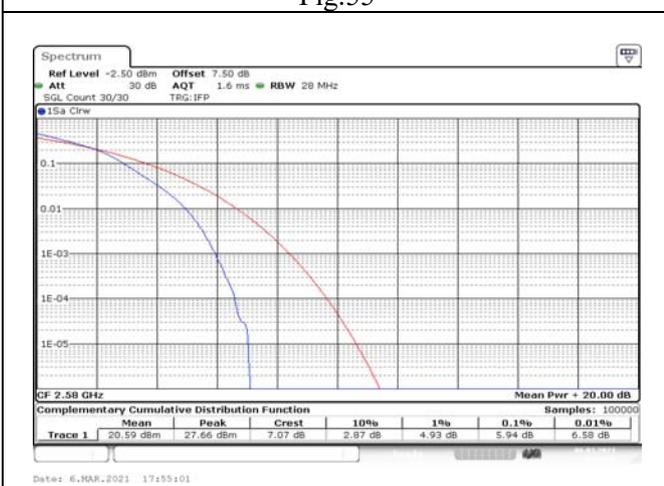
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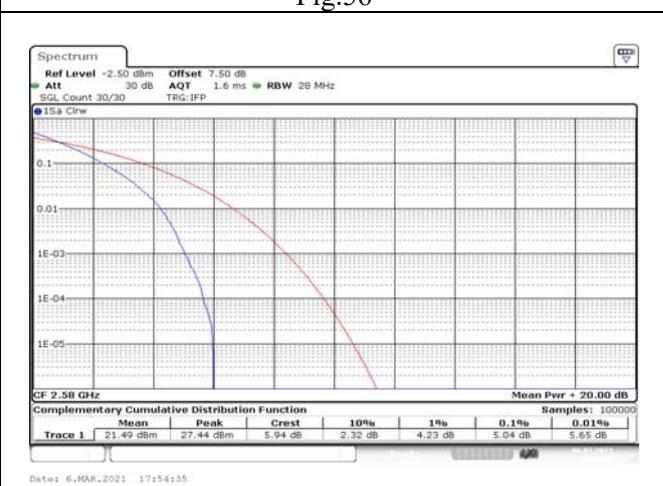
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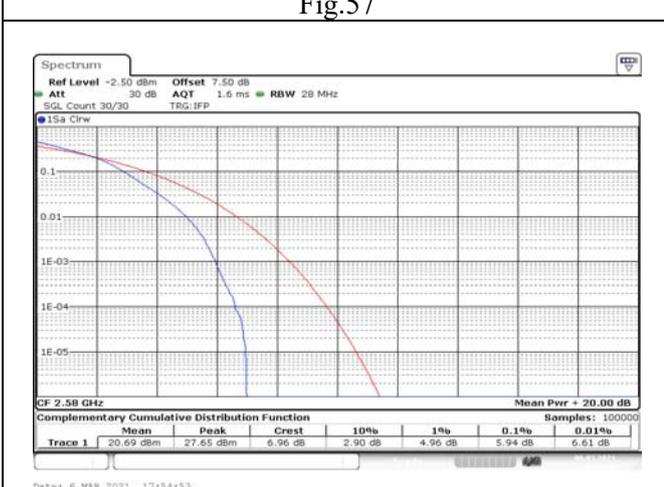
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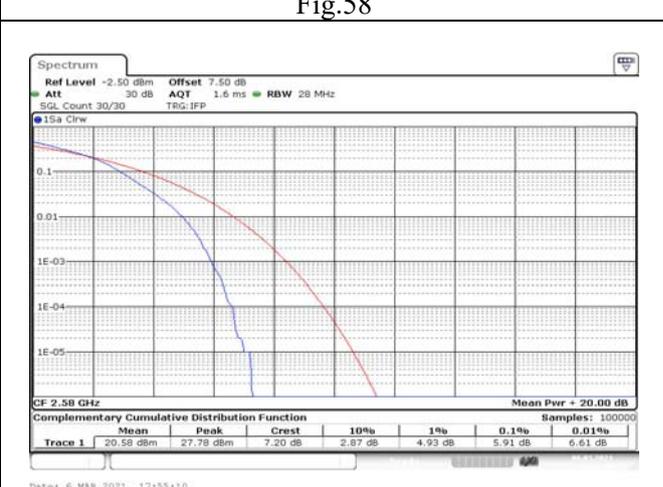
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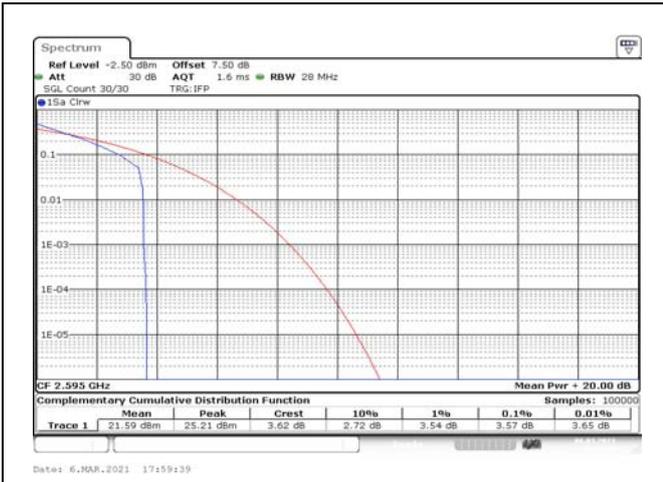
	Fig.61

Fig.61
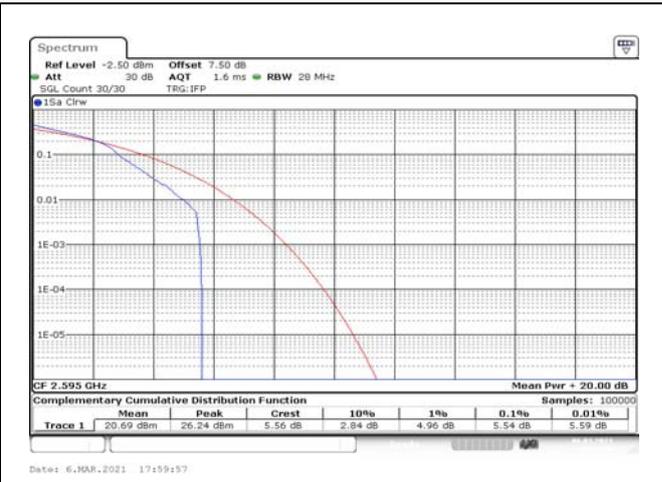
| | Fig.62 |

Fig.62
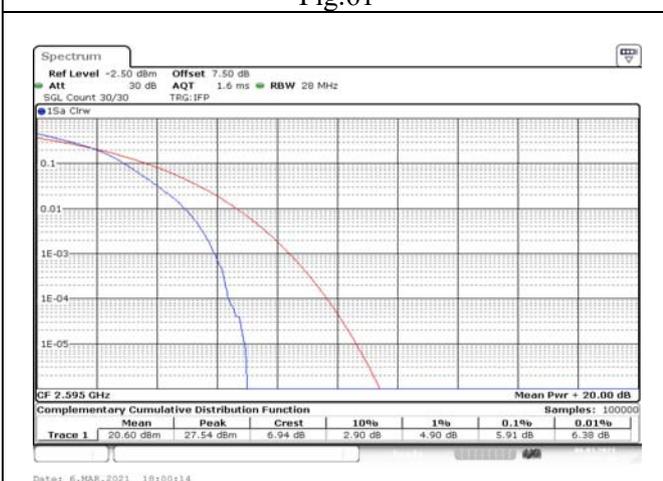
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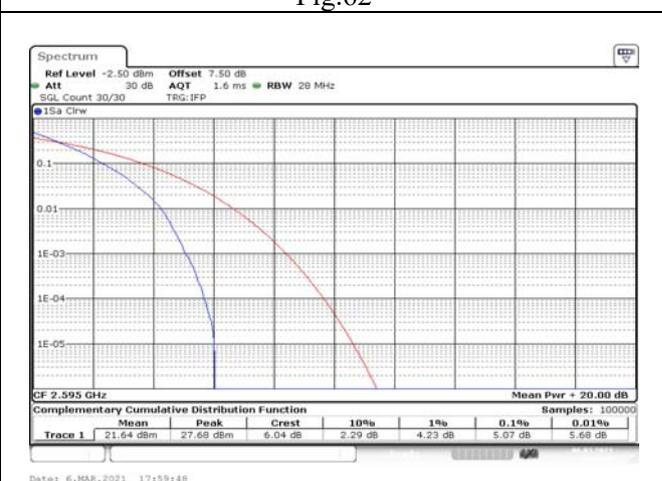
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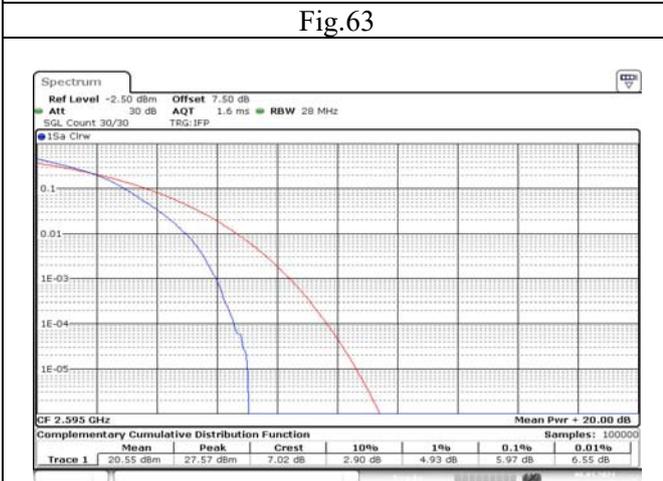
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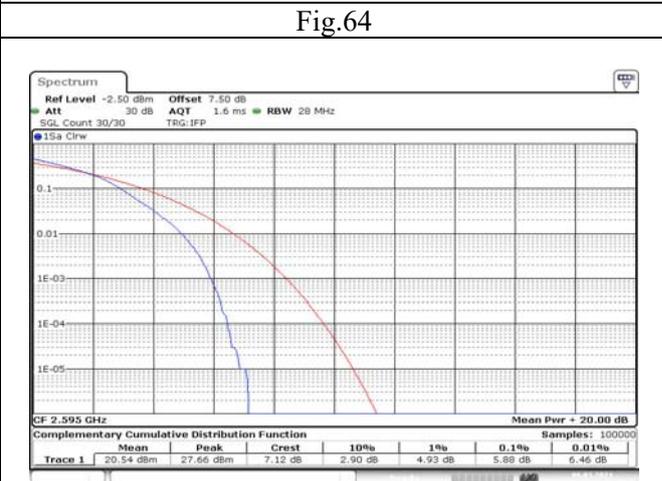
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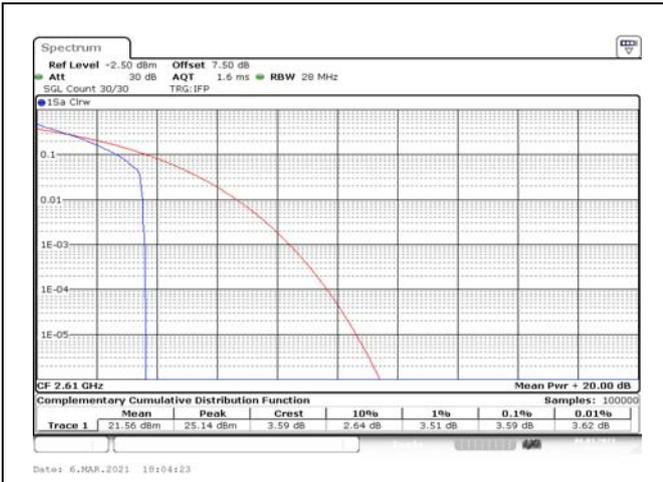
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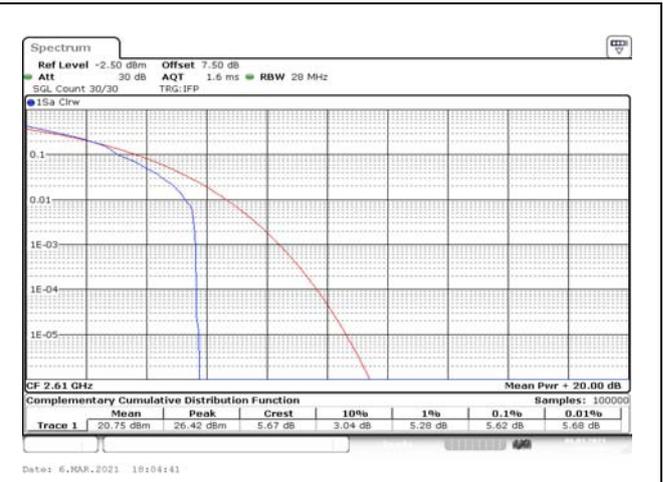
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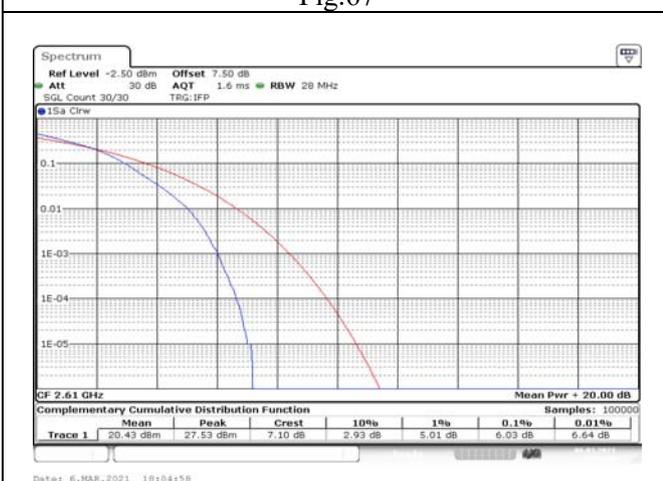
Fig.69

Fig.70

Fig.71

Fig.72

5   Spurious Emissions at antenna terminal

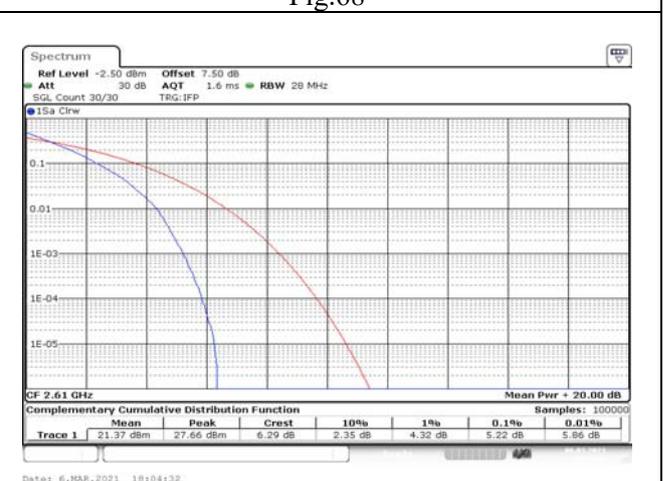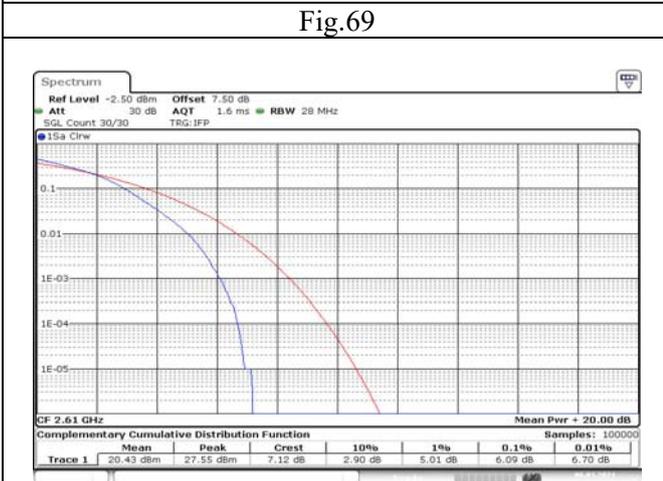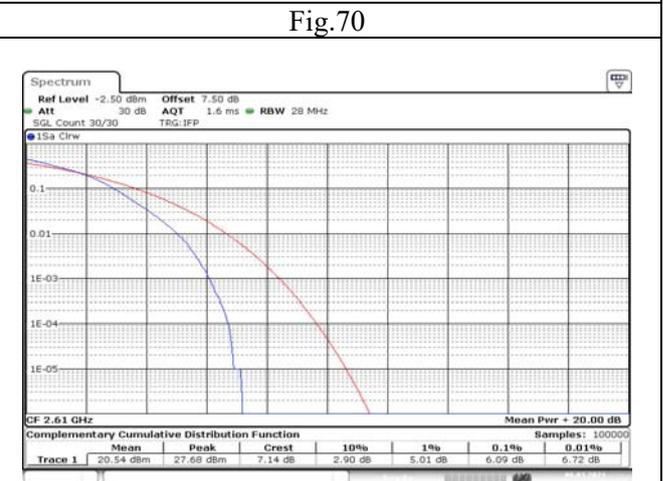| Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
38	2580	37850	20	1	0	Fig.1
	2595	38000		1	0	Fig.2
	2610	38150		1	0	Fig.3
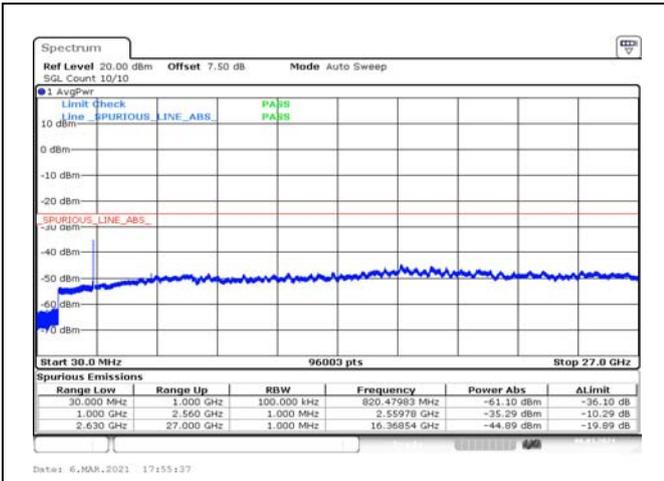
Fig.1
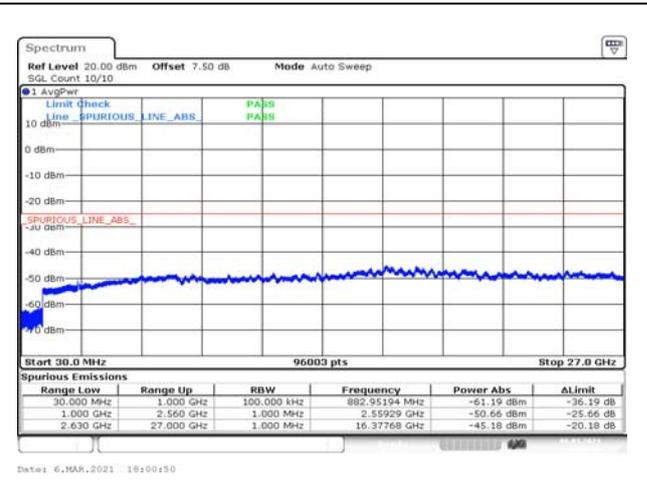
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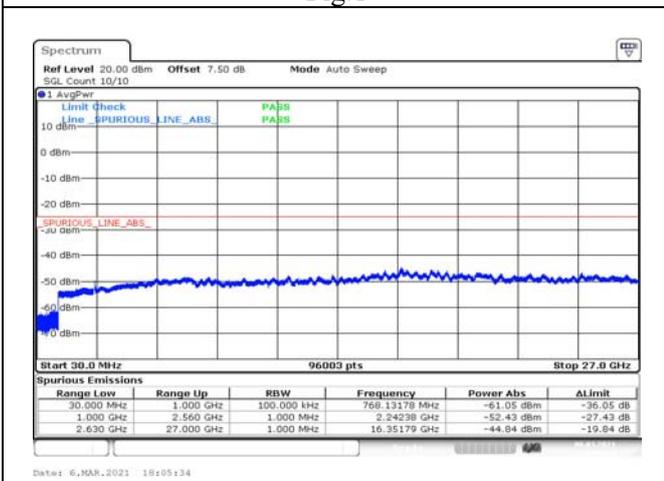
Fig.3

6   Band Edges Compliance

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
38	2572.5	37775	5	1	0	Fig.1
				25	0	Fig.2
	2617.5	38225		1	24	Fig.3
				25	0	Fig.4
	2575	37800	10	1	0	Fig.5
				50	0	Fig.6
	2615	38200		1	49	Fig.7
				50	0	Fig.8
	2577.5	37825	15	1	0	Fig.9
				75	0	Fig.10
	2612.5	38175		1	74	Fig.11
				75	0	Fig.12
	2580	37850	20	1	0	Fig.13
				100	0	Fig.14
	2610	38150		1	99	Fig.15
				100	0	Fig.16