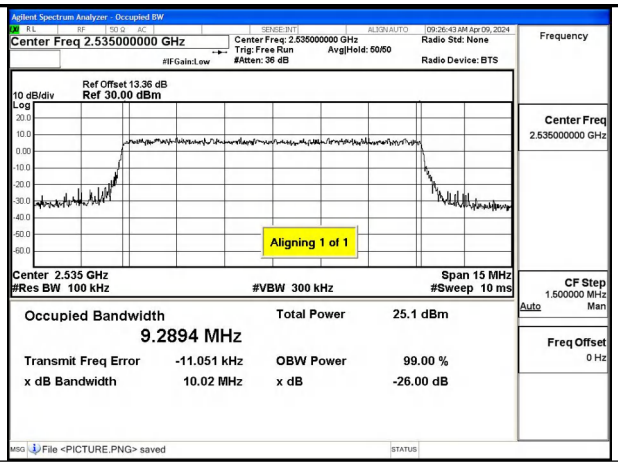


Fig.19

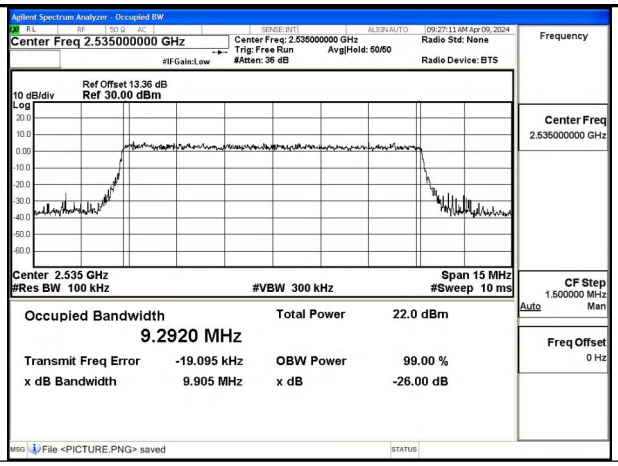


Fig.20

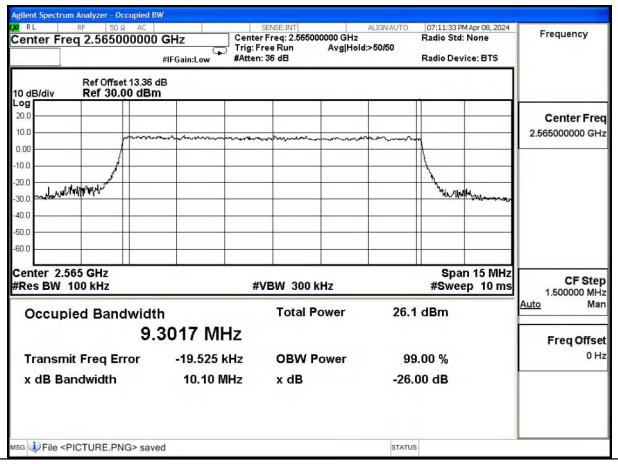
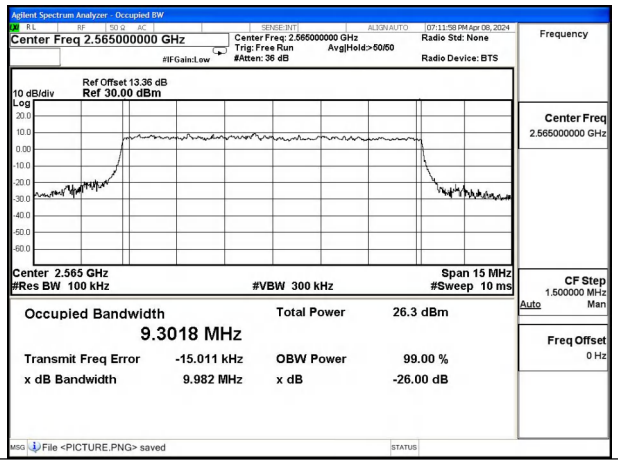


Fig.21



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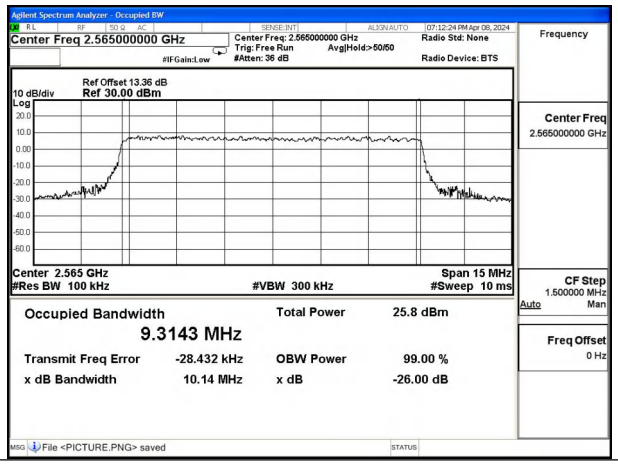


Fig.23

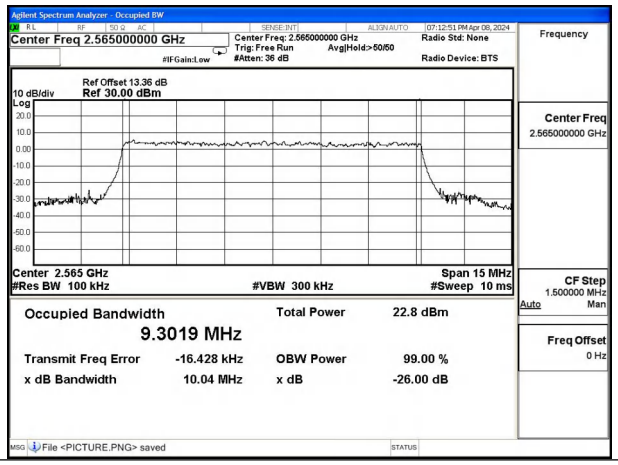


Fig.24

Fig.25

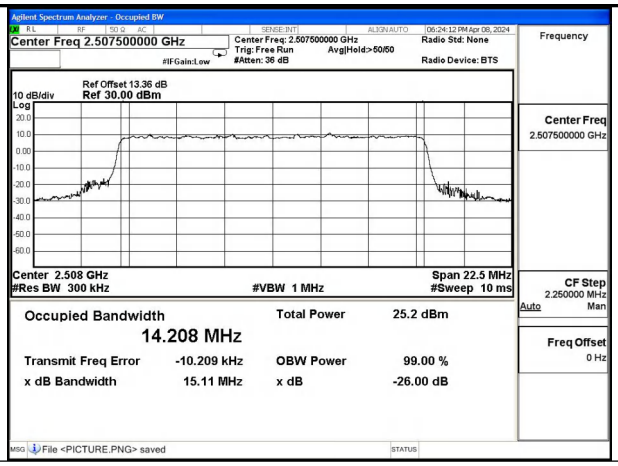


Fig.26

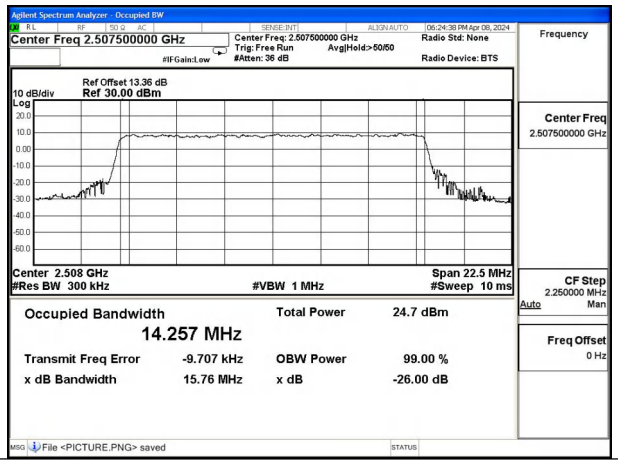


Fig.27

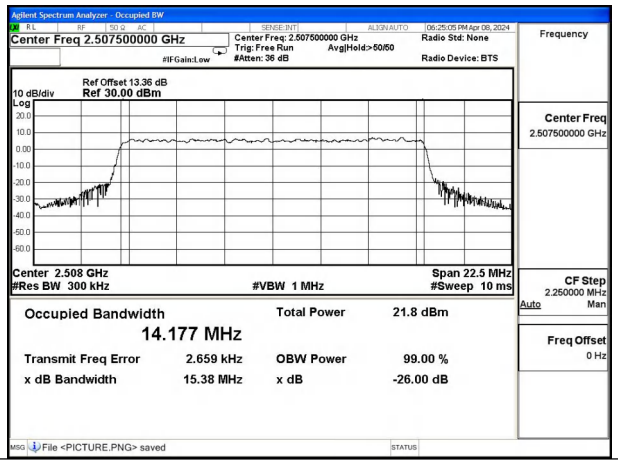


Fig.28

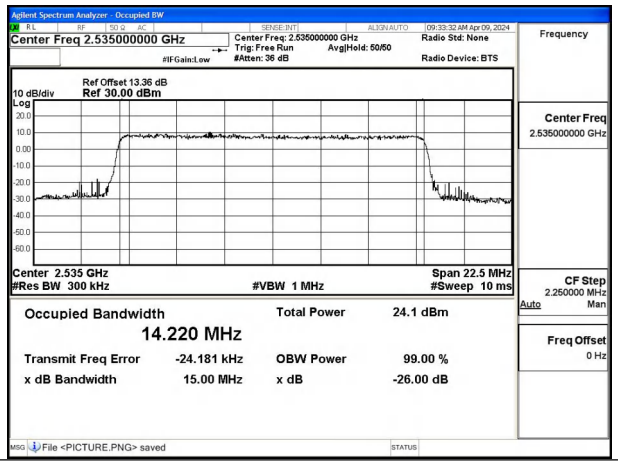


Fig.29

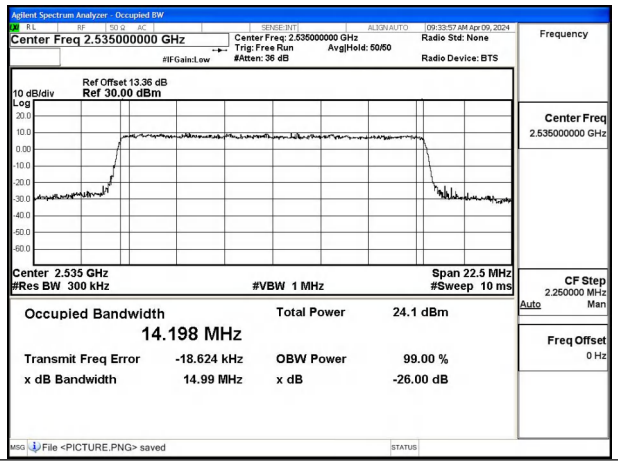


Fig.30

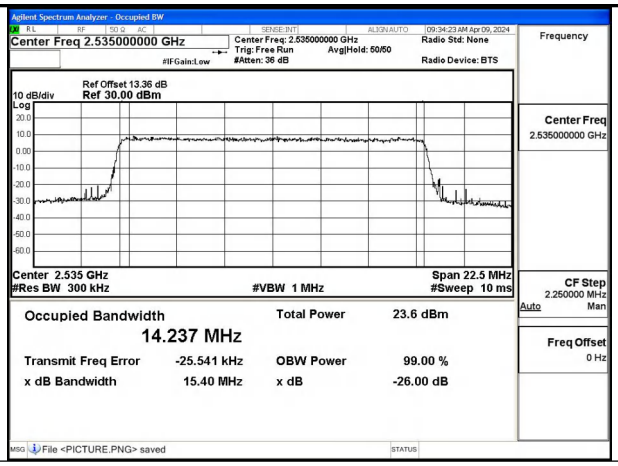


Fig.31

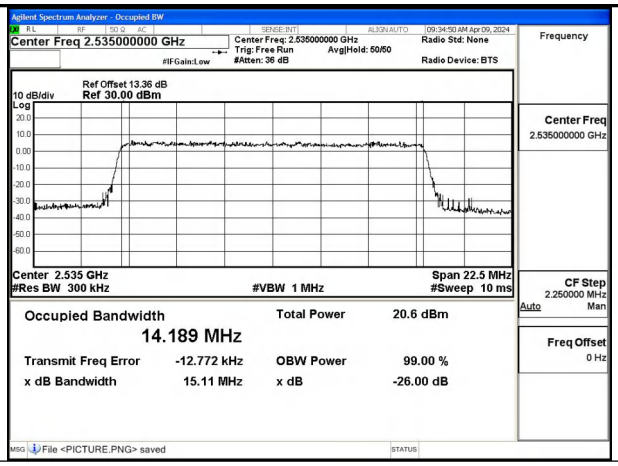


Fig.32

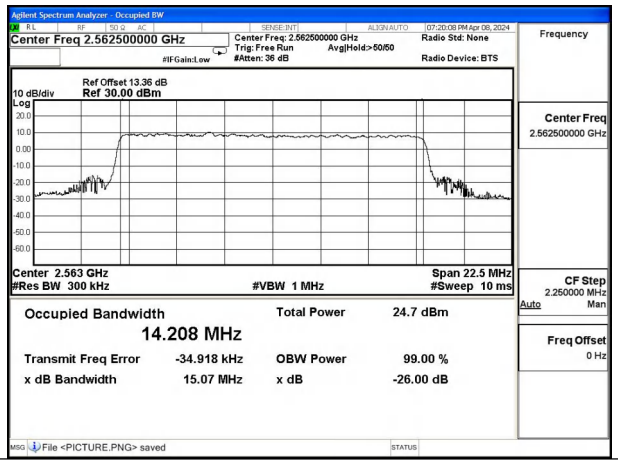


Fig.33

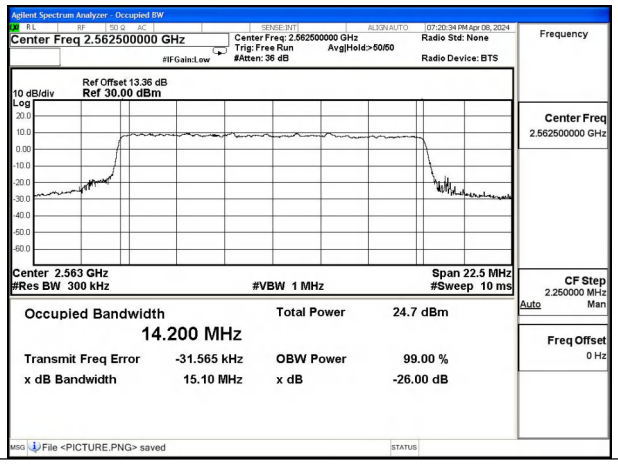


Fig.34

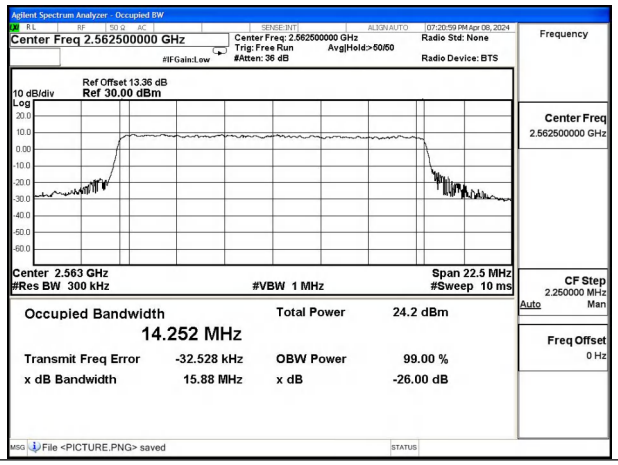


Fig.35

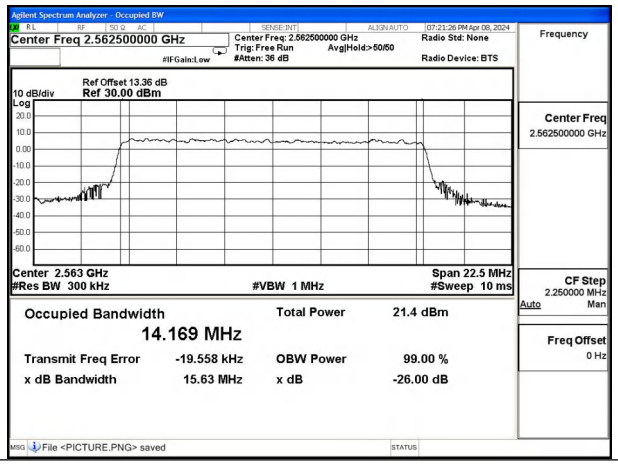


Fig.36

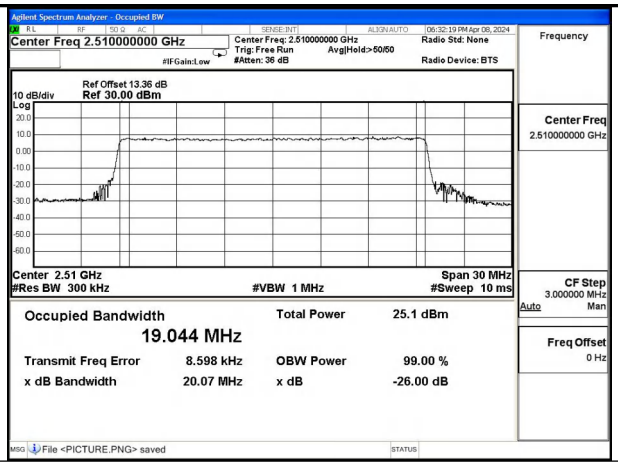


Fig.37

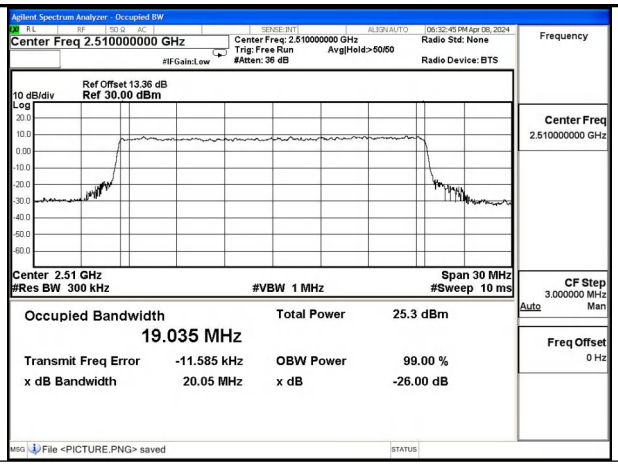


Fig.38

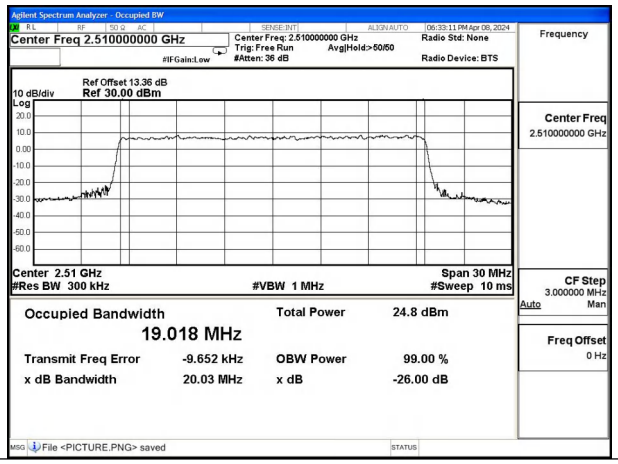


Fig.39

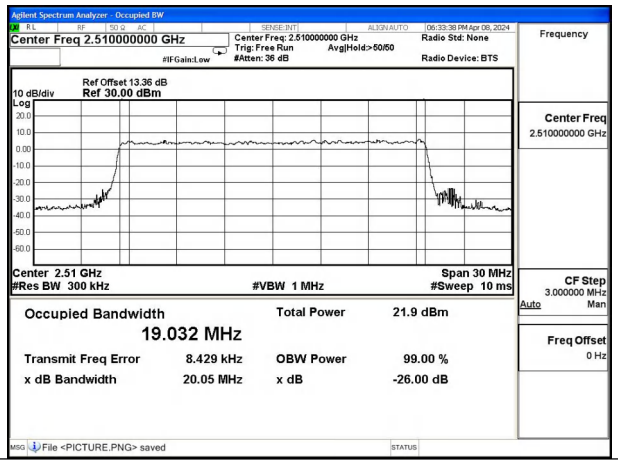


Fig.40

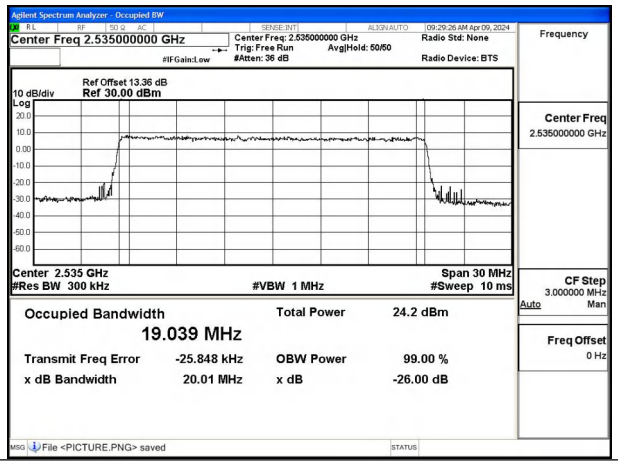


Fig.41

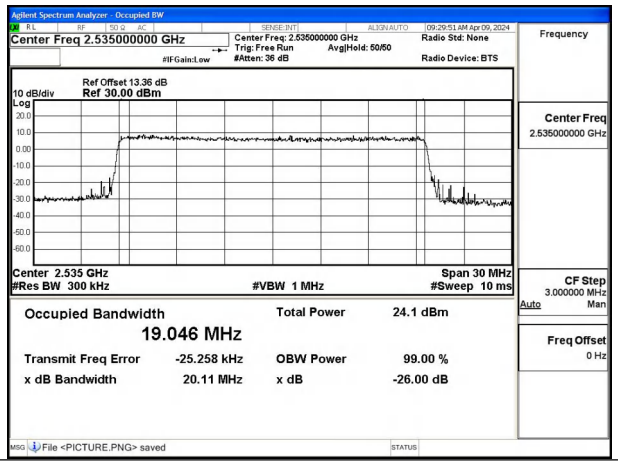


Fig.42

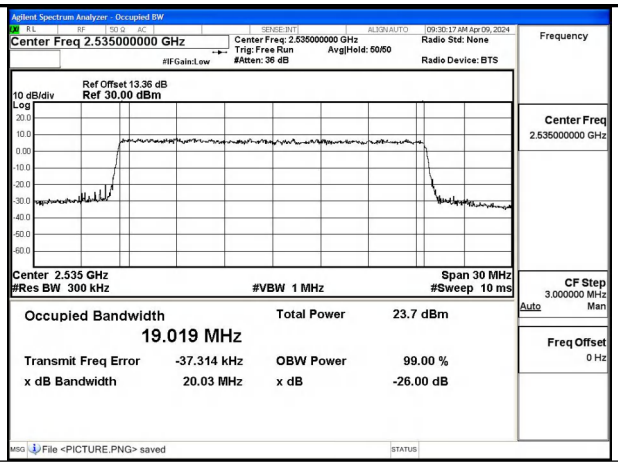


Fig.43

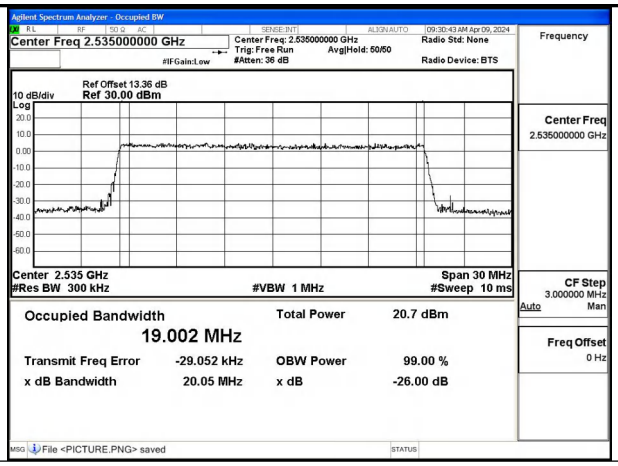


Fig.44

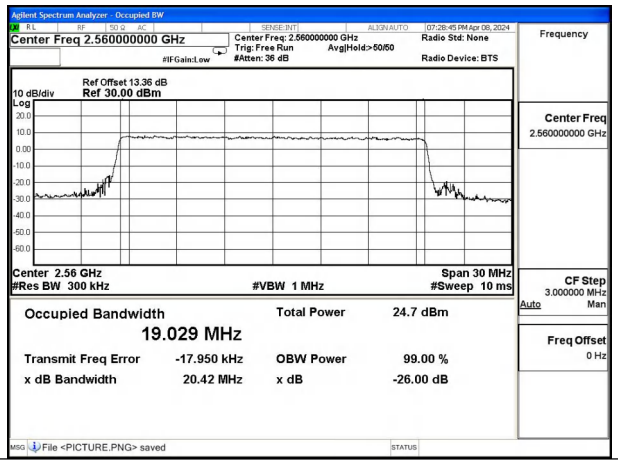


Fig.45

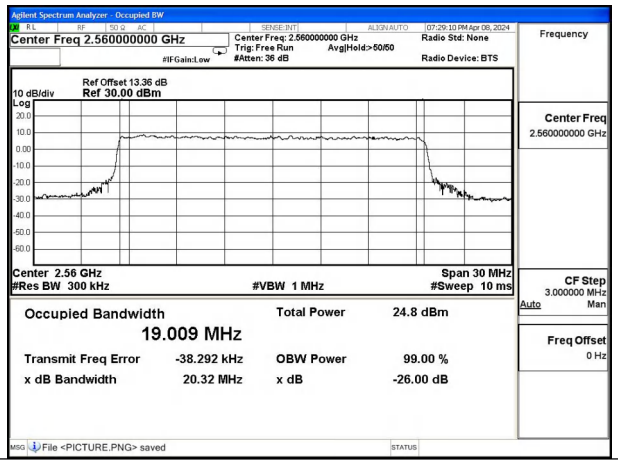


Fig.46

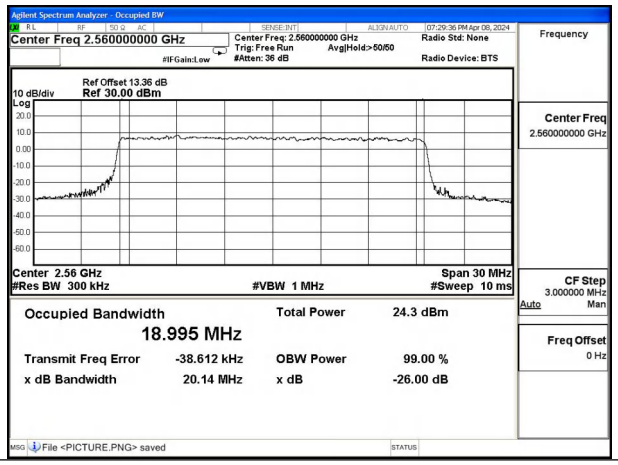


Fig.47

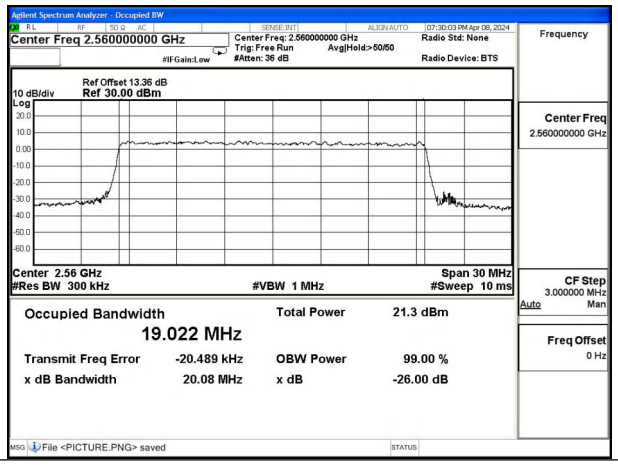


Fig.48

4 Peak-Average Ratio

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	PAR Plot
DFT-s-OFDM PI/2 BPSK	2502.5	500500	5	25	0	Fig.1
DFT-s-OFDM QPSK	2502.5	500500	5	25	0	Fig.2
DFT-s-OFDM 16QAM	2502.5	500500	5	25	0	Fig.3
DFT-s-OFDM 64QAM	2502.5	500500	5	25	0	Fig.4
DFT-s-OFDM 256QAM	2502.5	500500	5	25	0	Fig.5
DFT-s-OFDM PI/2 BPSK	2535	507000	5	25	0	Fig.6
DFT-s-OFDM QPSK	2535	507000	5	25	0	Fig.7
DFT-s-OFDM 16QAM	2535	507000	5	25	0	Fig.8
DFT-s-OFDM 64QAM	2535	507000	5	25	0	Fig.9
DFT-s-OFDM 256QAM	2535	507000	5	25	0	Fig.10
DFT-s-OFDM PI/2 BPSK	2567.5	513500	5	25	0	Fig.11
DFT-s-OFDM QPSK	2567.5	513500	5	25	0	Fig.12
DFT-s-OFDM 16QAM	2567.5	513500	5	25	0	Fig.13
DFT-s-OFDM 64QAM	2567.5	513500	5	25	0	Fig.14
DFT-s-OFDM 256QAM	2567.5	513500	5	25	0	Fig.15
DFT-s-OFDM PI/2 BPSK	2505	501000	10	50	0	Fig.16
DFT-s-OFDM QPSK	2505	501000	10	50	0	Fig.17
DFT-s-OFDM 16QAM	2505	501000	10	50	0	Fig.18
DFT-s-OFDM 64QAM	2505	501000	10	50	0	Fig.19
DFT-s-OFDM 256QAM	2505	501000	10	50	0	Fig.20
DFT-s-OFDM PI/2 BPSK	2535	507000	10	50	0	Fig.21
DFT-s-OFDM QPSK	2535	507000	10	50	0	Fig.22
DFT-s-OFDM 16QAM	2535	507000	10	50	0	Fig.23
DFT-s-OFDM 64QAM	2535	507000	10	50	0	Fig.24
DFT-s-OFDM 256QAM	2535	507000	10	50	0	Fig.25
DFT-s-OFDM PI/2 BPSK	2565	513000	10	50	0	Fig.26
DFT-s-OFDM QPSK	2565	513000	10	50	0	Fig.27
DFT-s-OFDM 16QAM	2565	513000	10	50	0	Fig.28
DFT-s-OFDM 64QAM	2565	513000	10	50	0	Fig.29
DFT-s-OFDM 256QAM	2565	513000	10	50	0	Fig.30
DFT-s-OFDM PI/2 BPSK	2507.5	501500	15	75	0	Fig.31
DFT-s-OFDM QPSK	2507.5	501500	15	75	0	Fig.32
DFT-s-OFDM 16QAM	2507.5	501500	15	75	0	Fig.33
DFT-s-OFDM 64QAM	2507.5	501500	15	75	0	Fig.34
DFT-s-OFDM 256QAM	2507.5	501500	15	75	0	Fig.35
DFT-s-OFDM PI/2 BPSK	2535	507000	15	75	0	Fig.36
DFT-s-OFDM QPSK	2535	507000	15	75	0	Fig.37
DFT-s-OFDM 16QAM	2535	507000	15	75	0	Fig.38
DFT-s-OFDM 64QAM	2535	507000	15	75	0	Fig.39
DFT-s-OFDM 256QAM	2535	507000	15	75	0	Fig.40
DFT-s-OFDM PI/2 BPSK	2562.5	512500	15	75	0	Fig.41
DFT-s-OFDM QPSK	2562.5	512500	15	75	0	Fig.42
DFT-s-OFDM 16QAM	2562.5	512500	15	75	0	Fig.43
DFT-s-OFDM 64QAM	2562.5	512500	15	75	0	Fig.44

DFT-s-OFDM 256QAM	2562.5	512500	15	75	0	Fig.45
DFT-s-OFDM PI/2 BPSK	2510	502000	20	100	0	Fig.46
DFT-s-OFDM QPSK	2510	502000	20	100	0	Fig.47
DFT-s-OFDM 16QAM	2510	502000	20	100	0	Fig.48
DFT-s-OFDM 64QAM	2510	502000	20	100	0	Fig.49
DFT-s-OFDM 256QAM	2510	502000	20	100	0	Fig.50
DFT-s-OFDM PI/2 BPSK	2535	507000	20	100	0	Fig.51
DFT-s-OFDM QPSK	2535	507000	20	100	0	Fig.52
DFT-s-OFDM 16QAM	2535	507000	20	100	0	Fig.53
DFT-s-OFDM 64QAM	2535	507000	20	100	0	Fig.54
DFT-s-OFDM 256QAM	2535	507000	20	100	0	Fig.55
DFT-s-OFDM PI/2 BPSK	2560	512000	20	100	0	Fig.56
DFT-s-OFDM QPSK	2560	512000	20	100	0	Fig.57
DFT-s-OFDM 16QAM	2560	512000	20	100	0	Fig.58
DFT-s-OFDM 64QAM	2560	512000	20	100	0	Fig.59
DFT-s-OFDM 256QAM	2560	512000	20	100	0	Fig.60

Test Plot:

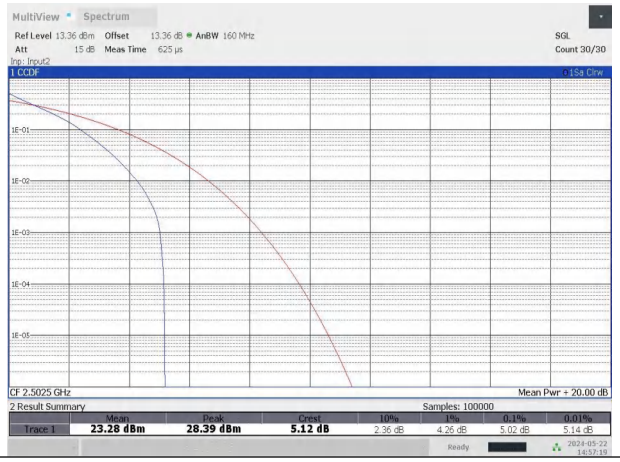


Fig.1

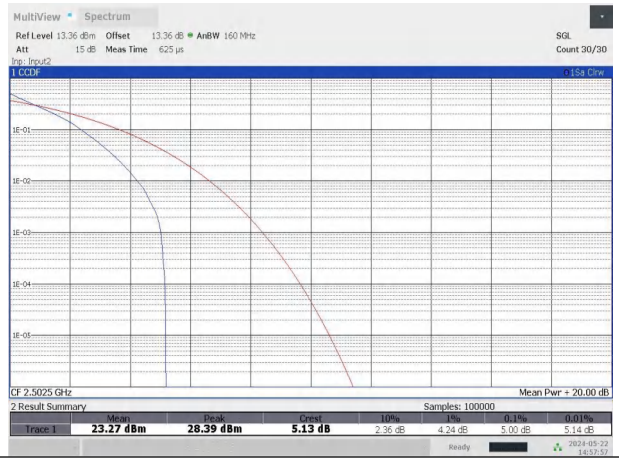


Fig.2

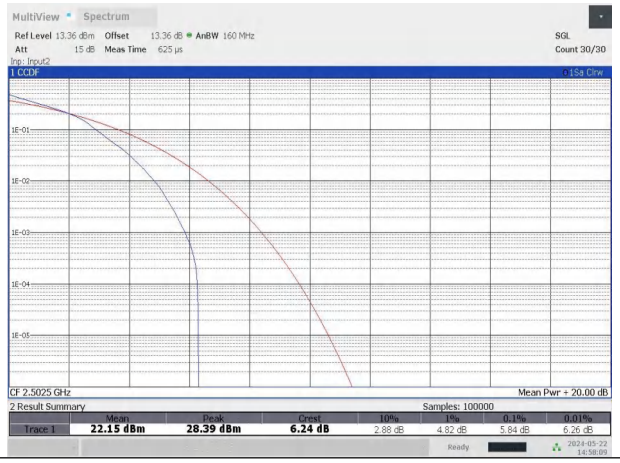


Fig.3

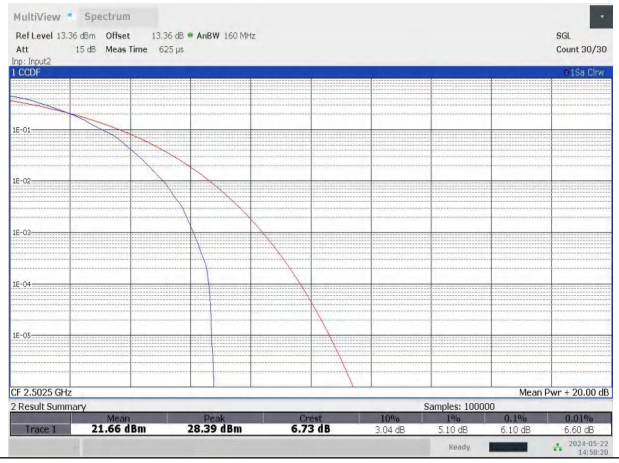


Fig.4

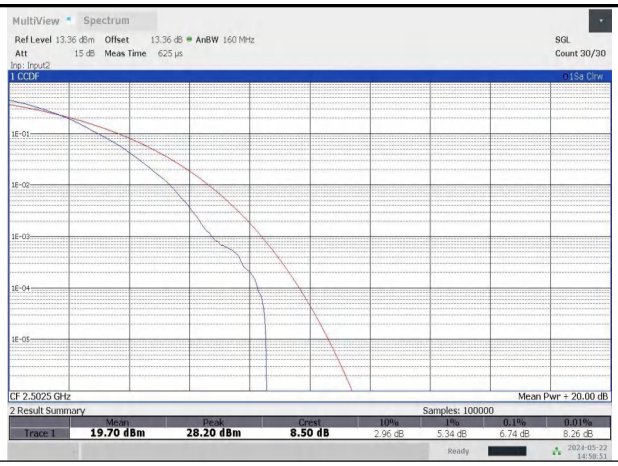


Fig.5

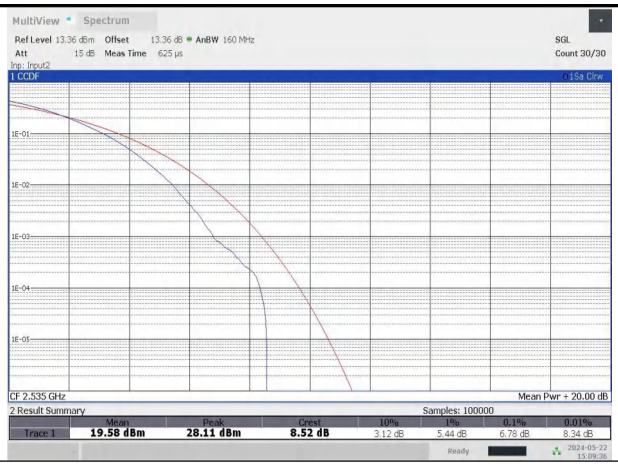


Fig.6

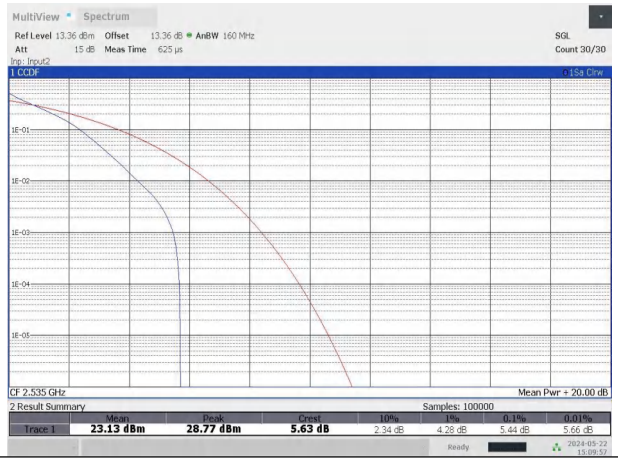


Fig.7

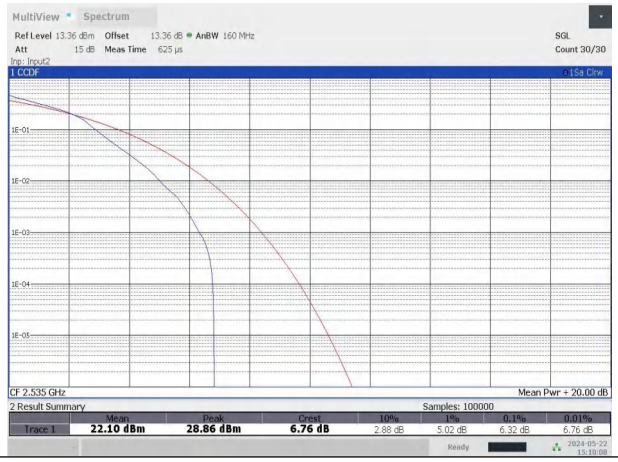


Fig.8

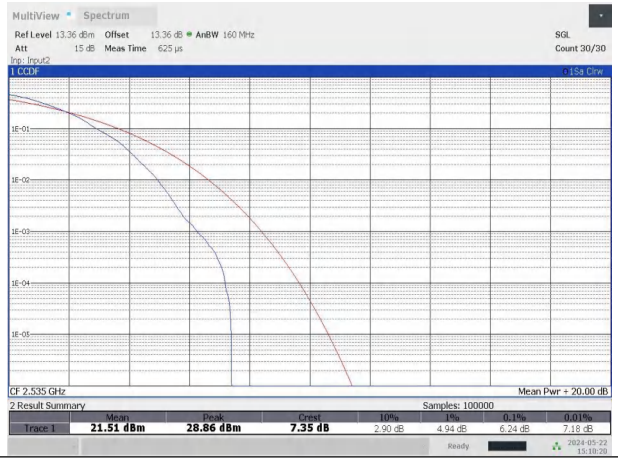


Fig.9

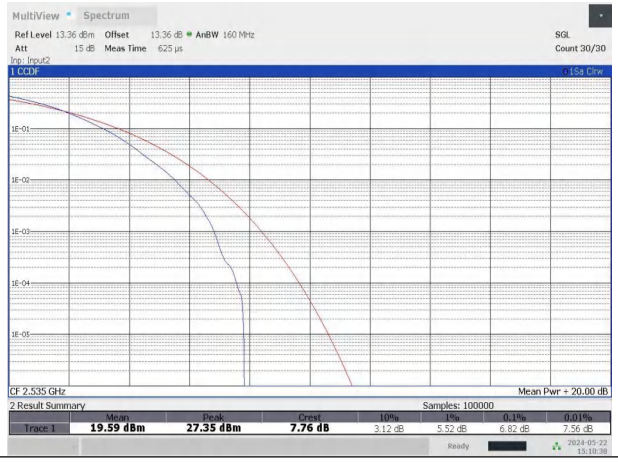


Fig.10

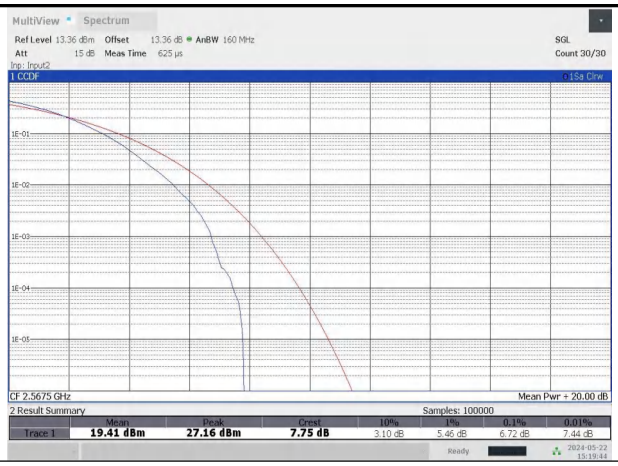


Fig.11

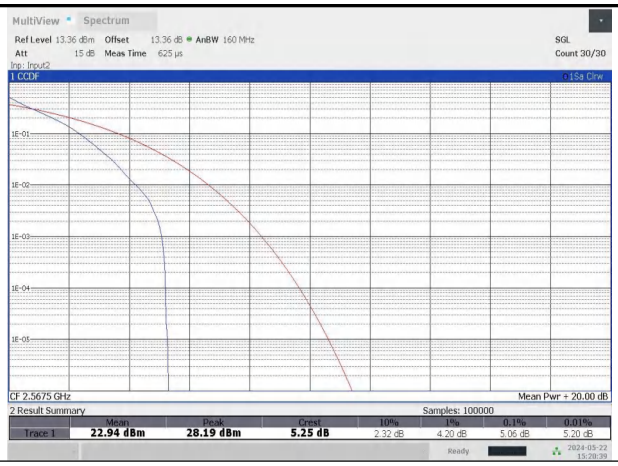


Fig.12

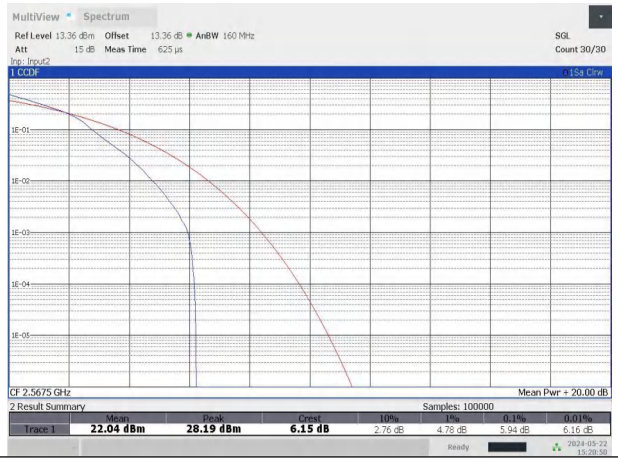


Fig.13

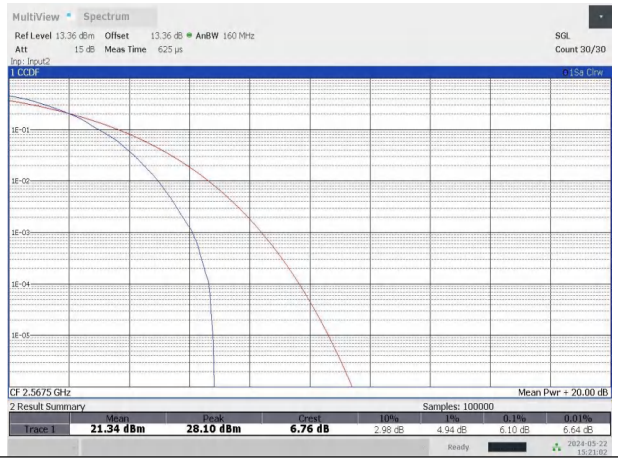


Fig.14

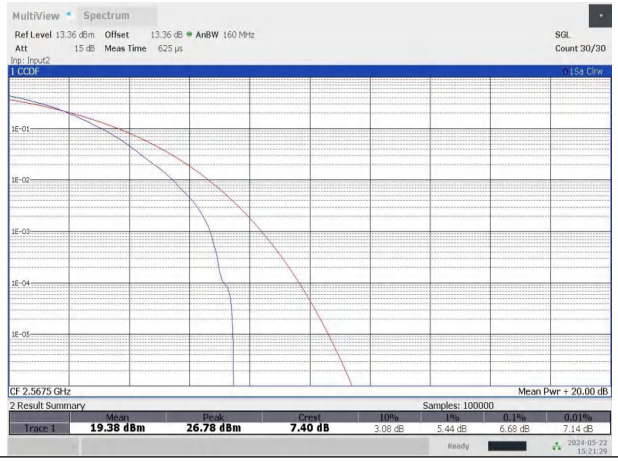


Fig.15

5 Spurious Emissions at antenna terminal

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted Spurious Plot	
						30M~1G	1G~20G
CP-OFDM QPSK	2502.5	500500	5	25	0	Fig.1	Fig.2
CP-OFDM QPSK	2502.5	500500	5	1	0	Fig.3	Fig.4
CP-OFDM QPSK	2502.5	500500	5	1	24	Fig.5	Fig.6
CP-OFDM QPSK	2535	507000	5	25	0	Fig.7	Fig.8
CP-OFDM QPSK	2535	507000	5	1	0	Fig.9	Fig.10
CP-OFDM QPSK	2535	507000	5	1	24	Fig.11	Fig.12
CP-OFDM QPSK	2567.5	513500	5	25	0	Fig.13	Fig.14
CP-OFDM QPSK	2567.5	513500	5	1	0	Fig.15	Fig.16
CP-OFDM QPSK	2567.5	513500	5	1	24	Fig.17	Fig.18
CP-OFDM QPSK	2505	501000	10	52	0	Fig.19	Fig.20
CP-OFDM QPSK	2505	501000	10	1	0	Fig.21	Fig.22
CP-OFDM QPSK	2505	501000	10	1	51	Fig.23	Fig.24
CP-OFDM QPSK	2535	507000	10	52	0	Fig.25	Fig.26
CP-OFDM QPSK	2535	507000	10	1	0	Fig.27	Fig.28
CP-OFDM QPSK	2535	507000	10	1	51	Fig.29	Fig.30
CP-OFDM QPSK	2565	513000	10	52	0	Fig.31	Fig.32
CP-OFDM QPSK	2565	513000	10	1	0	Fig.33	Fig.34
CP-OFDM QPSK	2565	513000	10	1	51	Fig.35	Fig.36
CP-OFDM QPSK	2507.5	501500	15	79	0	Fig.37	Fig.38
CP-OFDM QPSK	2507.5	501500	15	1	0	Fig.39	Fig.40
CP-OFDM QPSK	2507.5	501500	15	1	78	Fig.41	Fig.42
CP-OFDM QPSK	2535	507000	15	79	0	Fig.43	Fig.44
CP-OFDM QPSK	2535	507000	15	1	0	Fig.45	Fig.46
CP-OFDM QPSK	2535	507000	15	1	78	Fig.47	Fig.48
CP-OFDM QPSK	2562.5	512500	15	79	0	Fig.49	Fig.50
CP-OFDM QPSK	2562.5	512500	15	1	0	Fig.51	Fig.52
CP-OFDM QPSK	2562.5	512500	15	1	78	Fig.53	Fig.54
CP-OFDM QPSK	2510	502000	20	106	0	Fig.55	Fig.56
CP-OFDM QPSK	2510	502000	20	1	0	Fig.57	Fig.58
CP-OFDM QPSK	2510	502000	20	1	105	Fig.59	Fig.60
CP-OFDM QPSK	2535	507000	20	106	0	Fig.61	Fig.62
CP-OFDM QPSK	2535	507000	20	1	0	Fig.63	Fig.64
CP-OFDM QPSK	2535	507000	20	1	105	Fig.65	Fig.66
CP-OFDM QPSK	2560	512000	20	106	0	Fig.67	Fig.68
CP-OFDM QPSK	2560	512000	20	1	0	Fig.69	Fig.70
CP-OFDM QPSK	2560	512000	20	1	105	Fig.71	Fig.72

Test Plot:

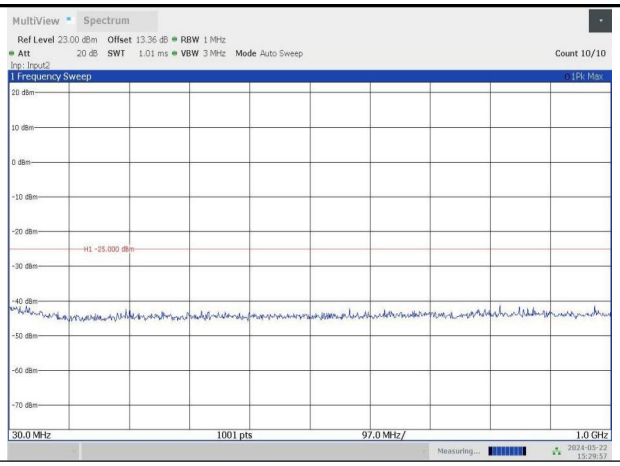
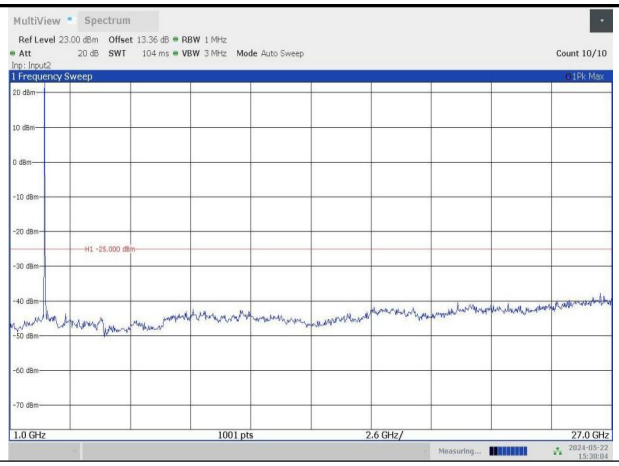


Fig.1



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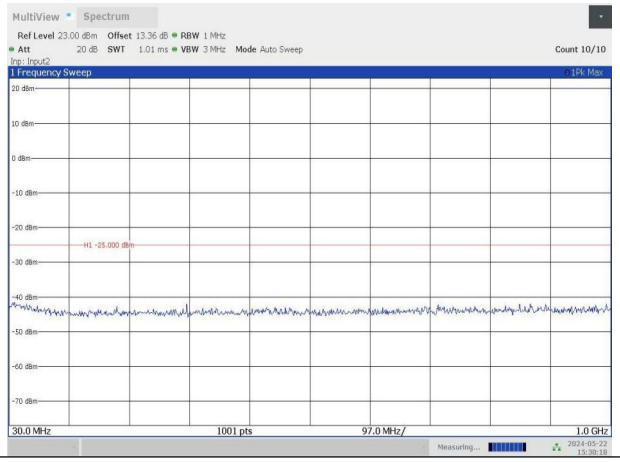

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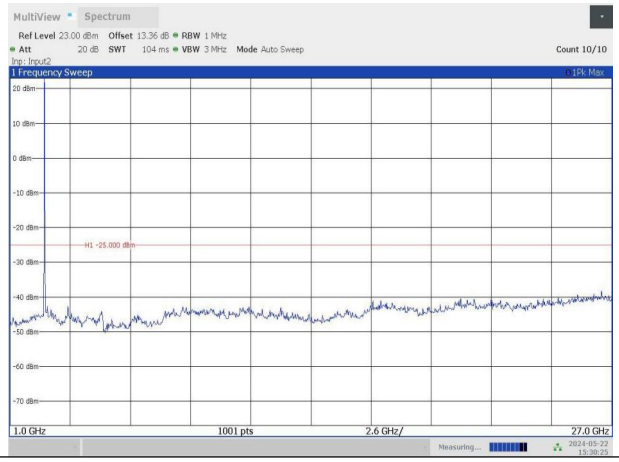

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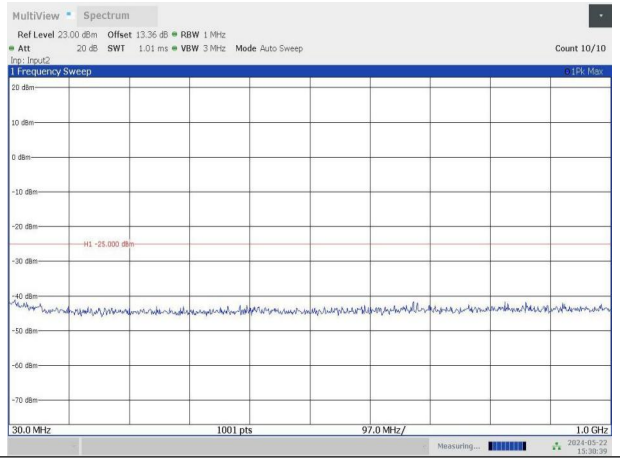

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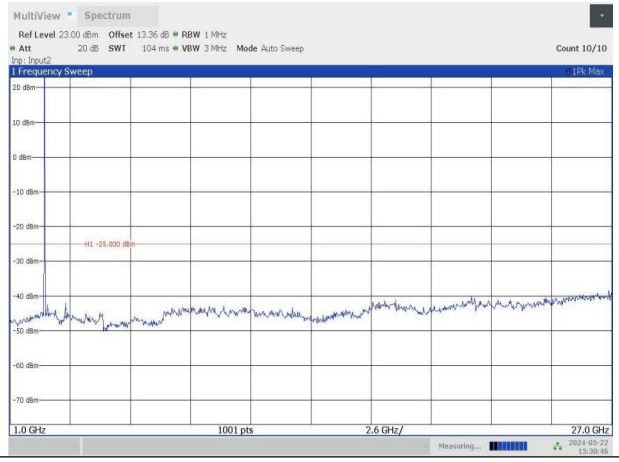

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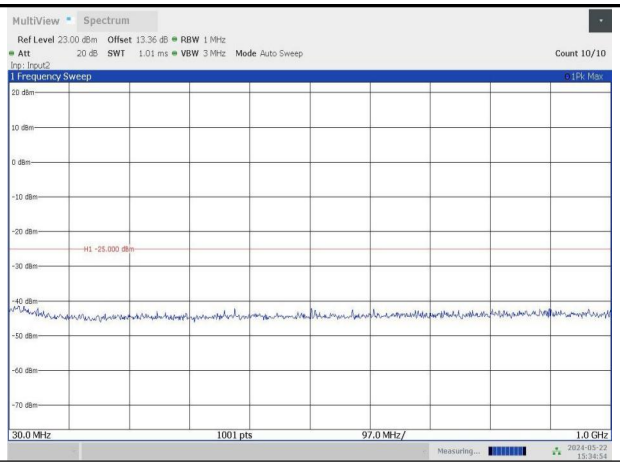

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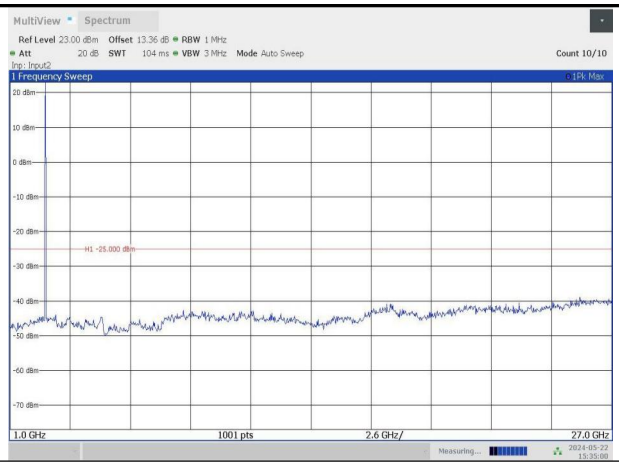

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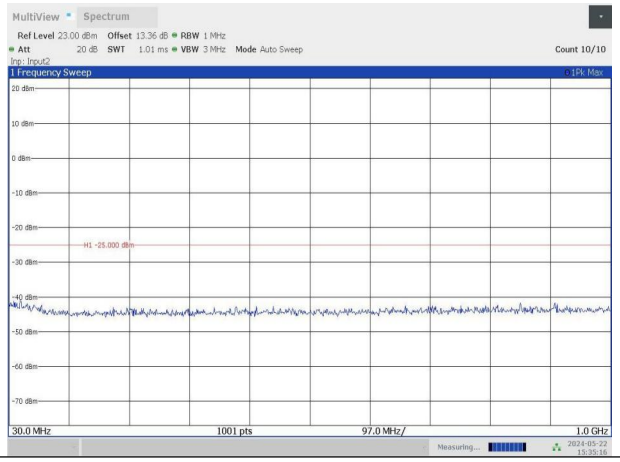

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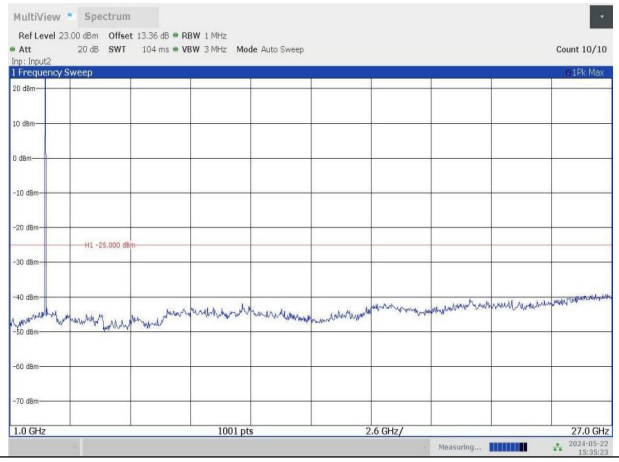

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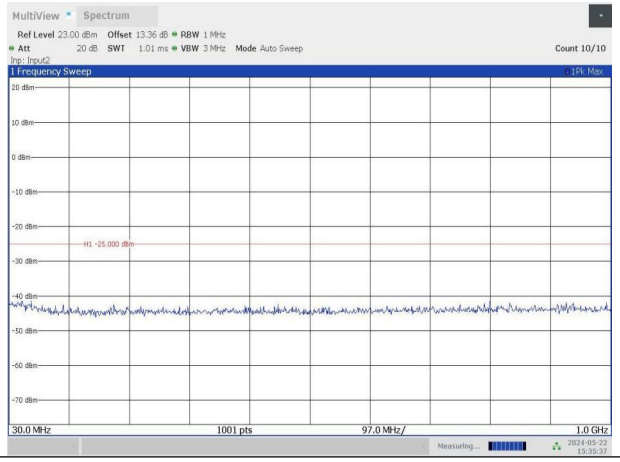

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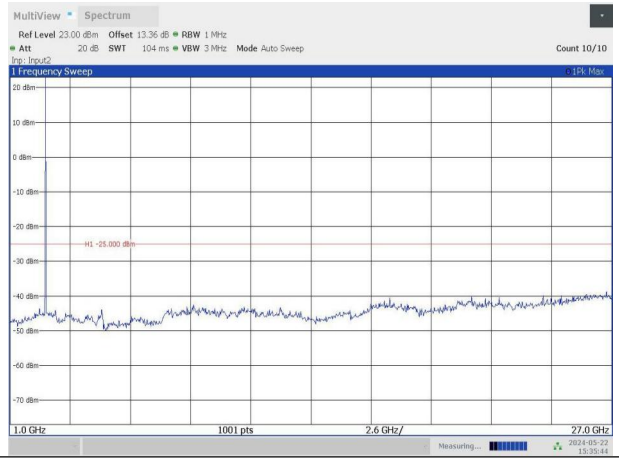

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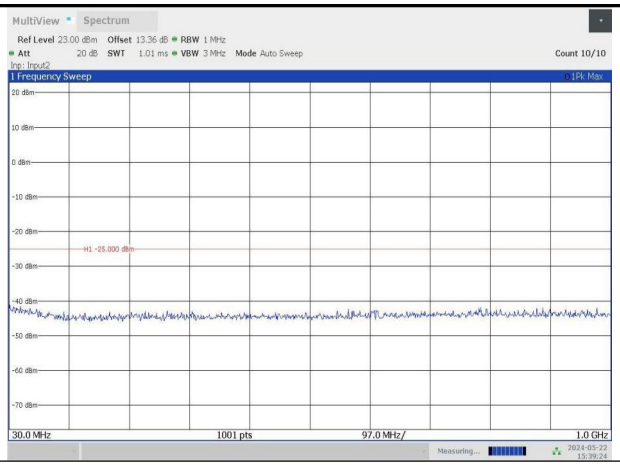

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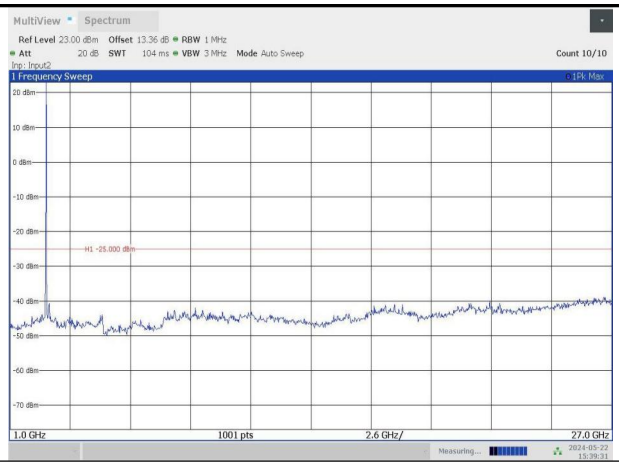

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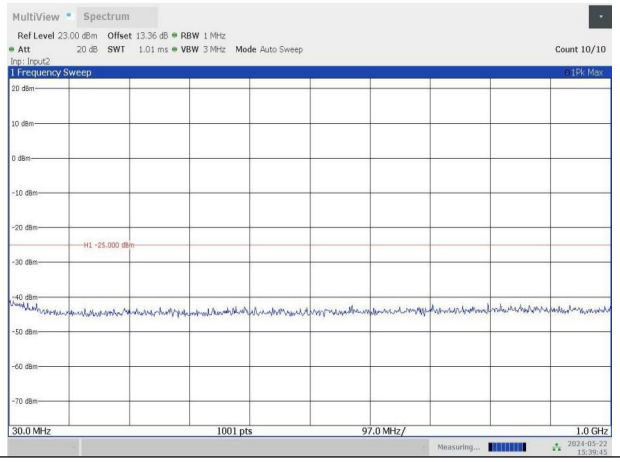

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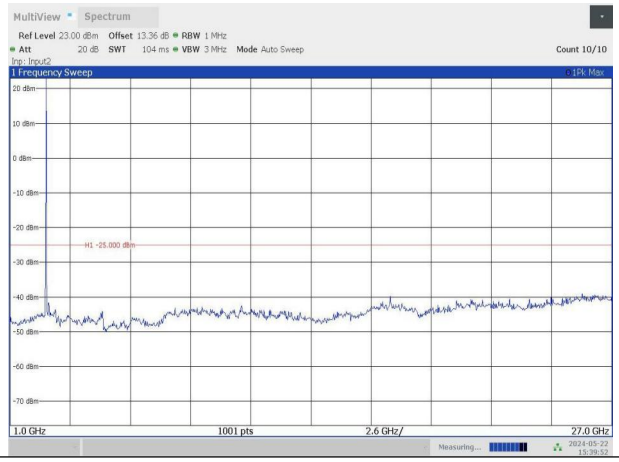

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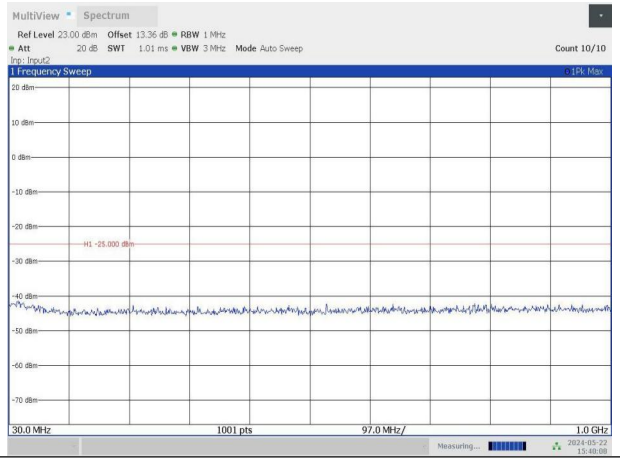

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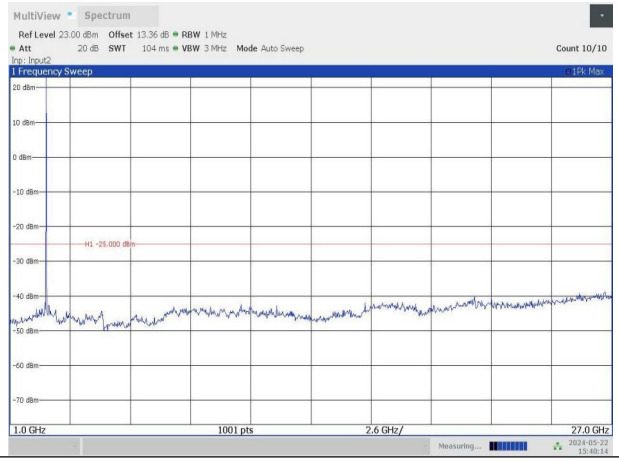

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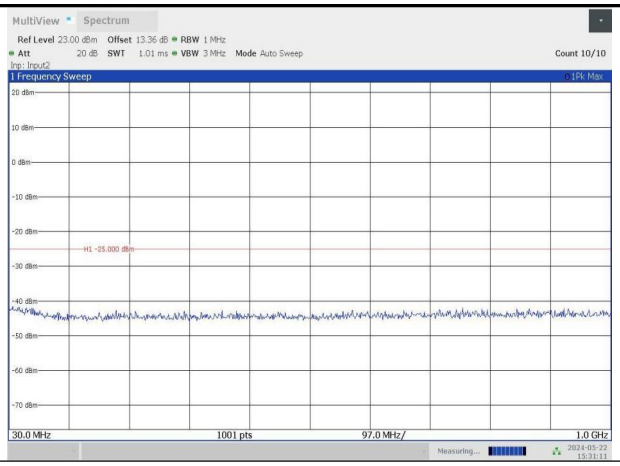

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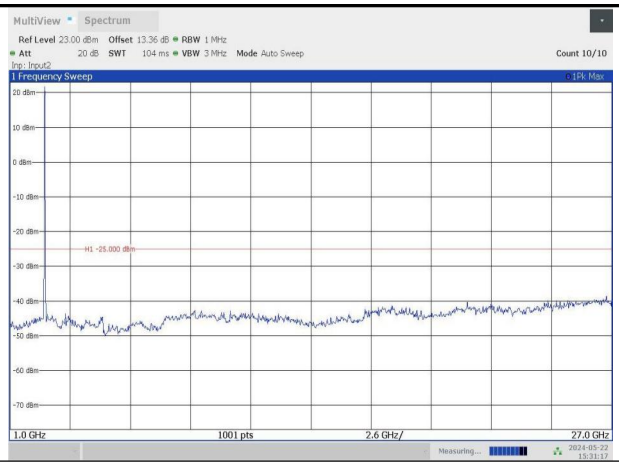

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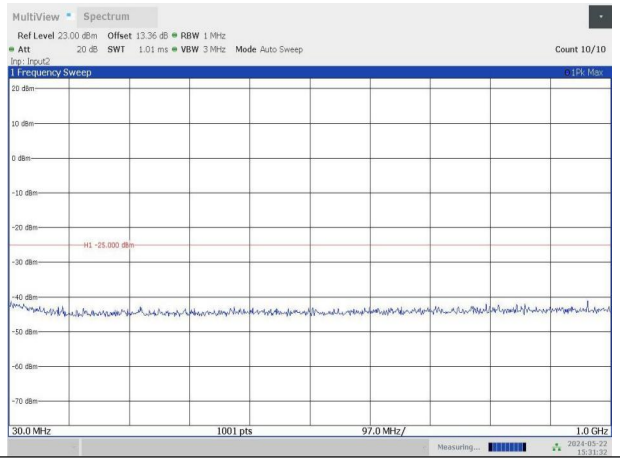

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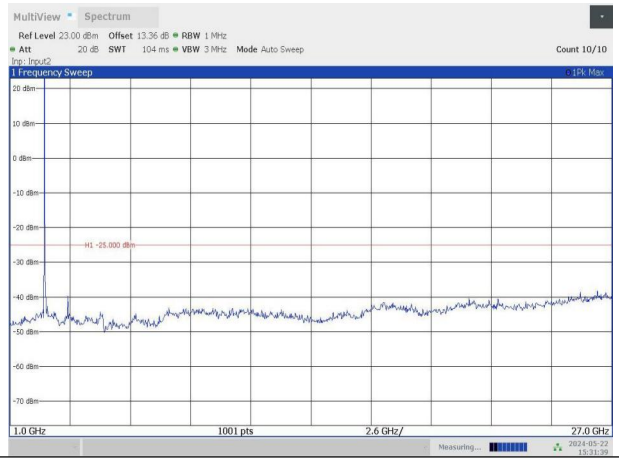

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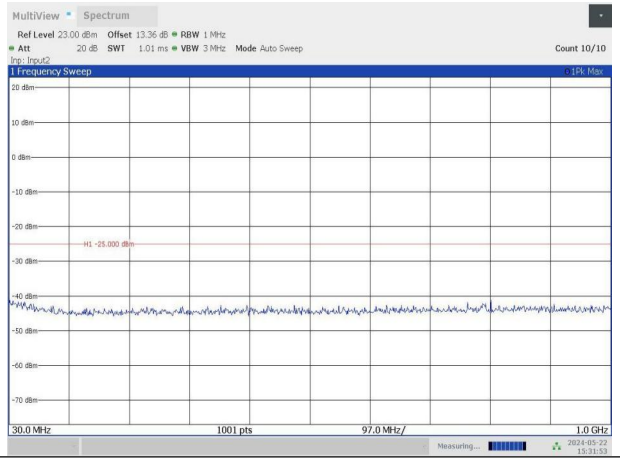

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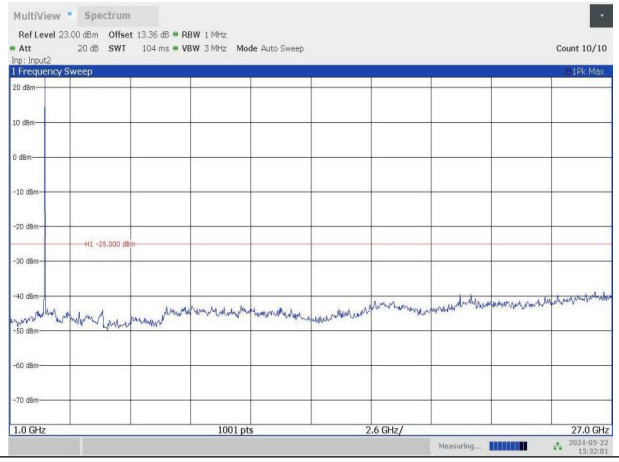

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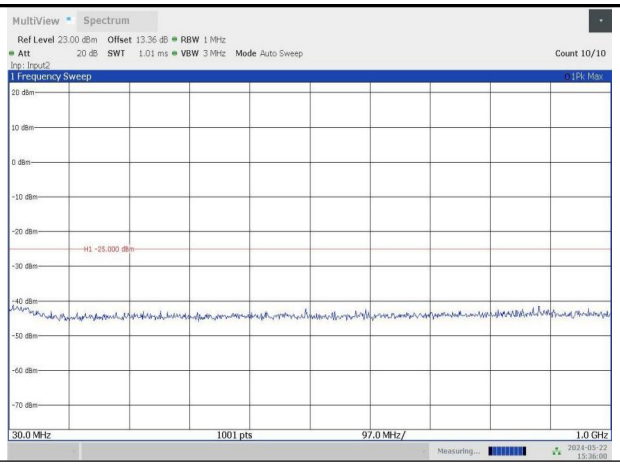

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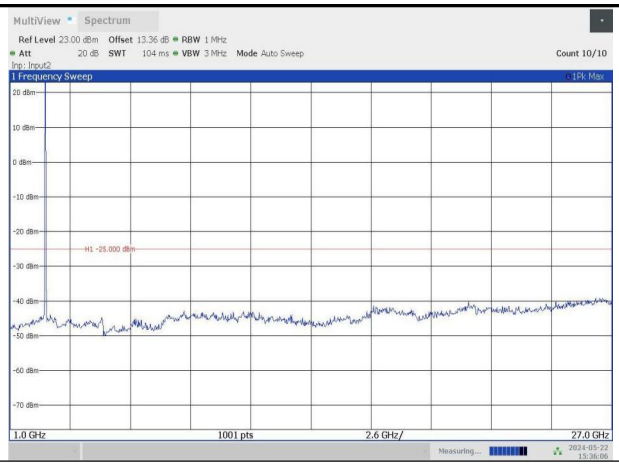

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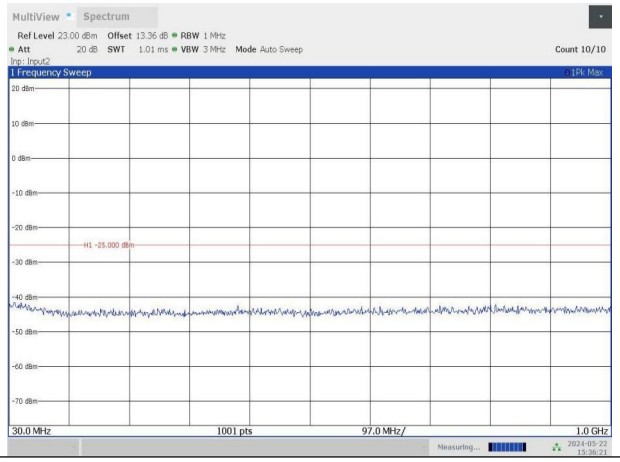

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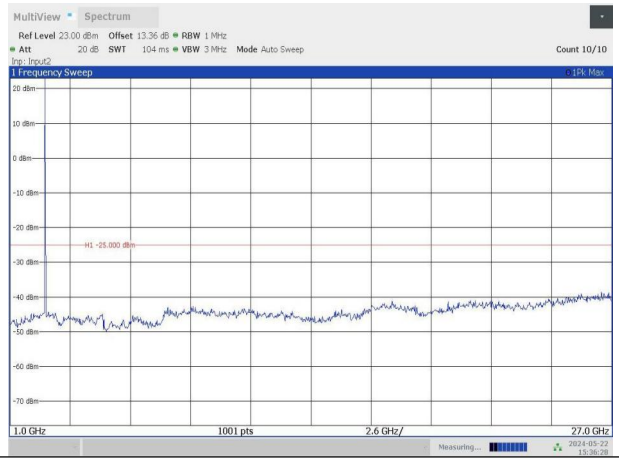

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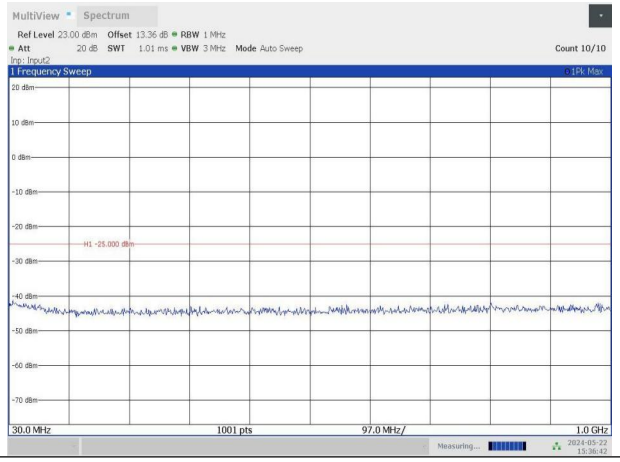

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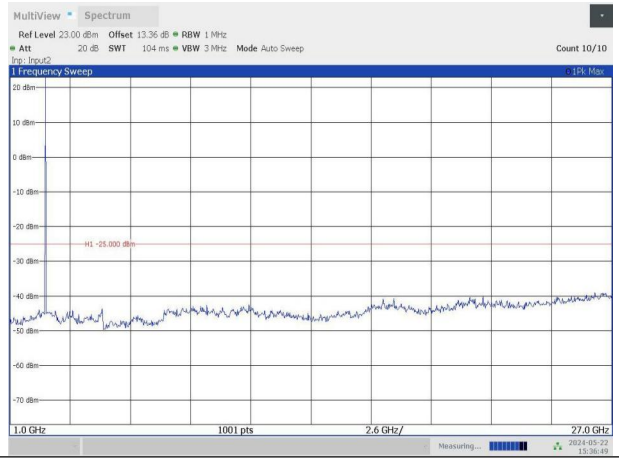

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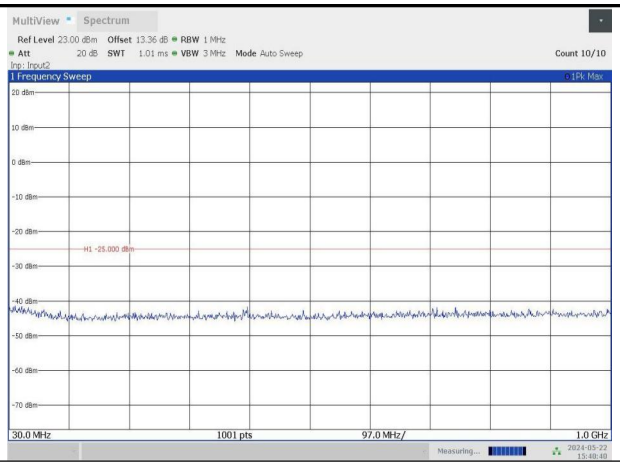

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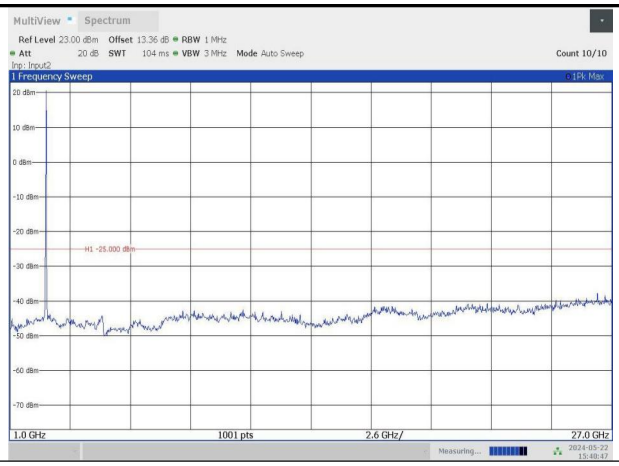

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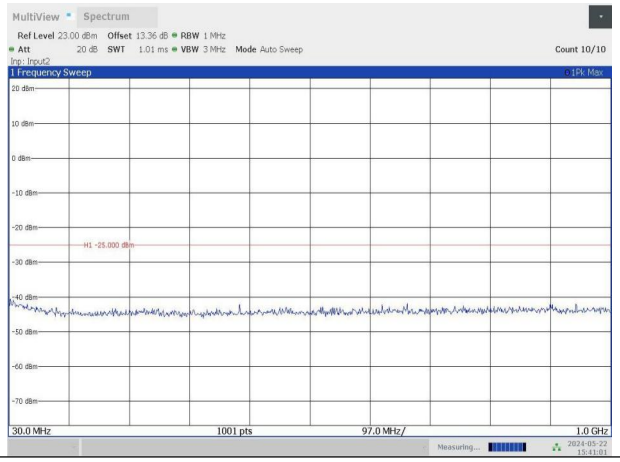

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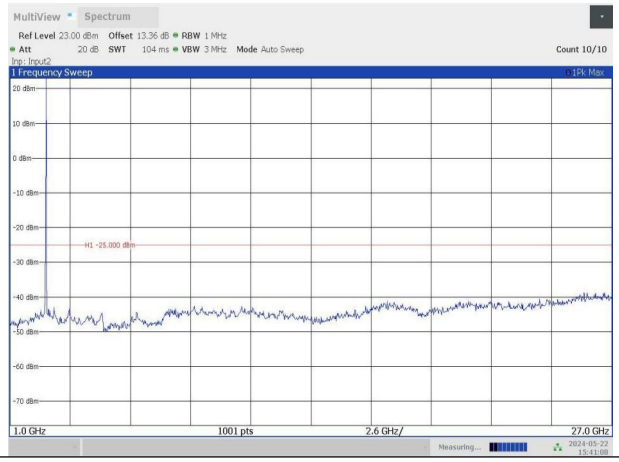

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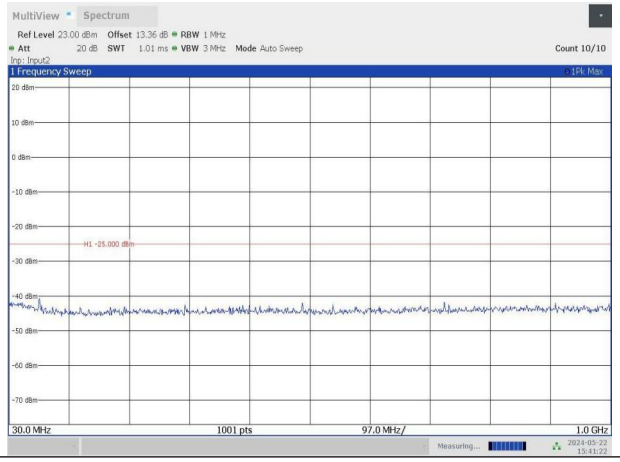

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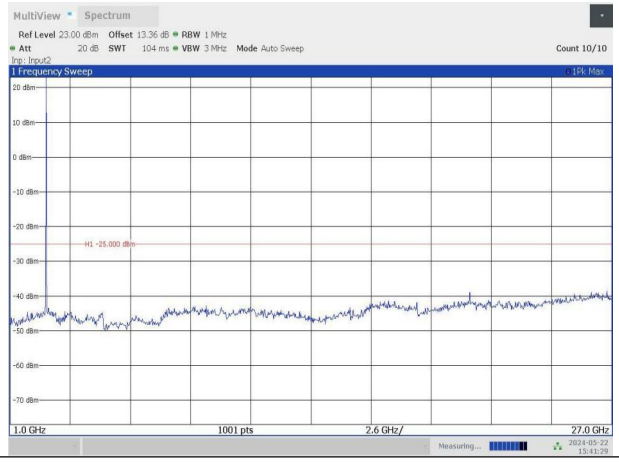

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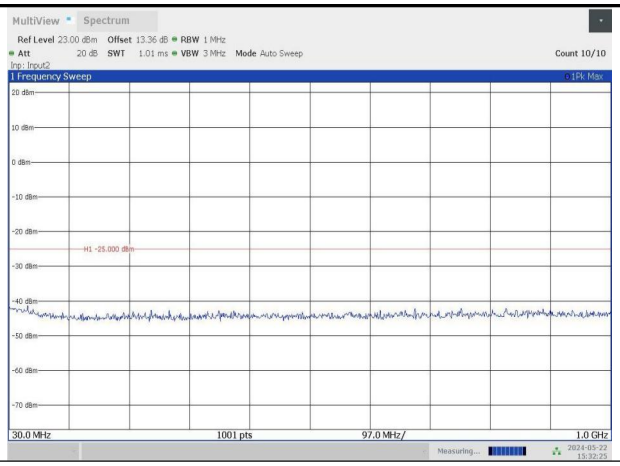

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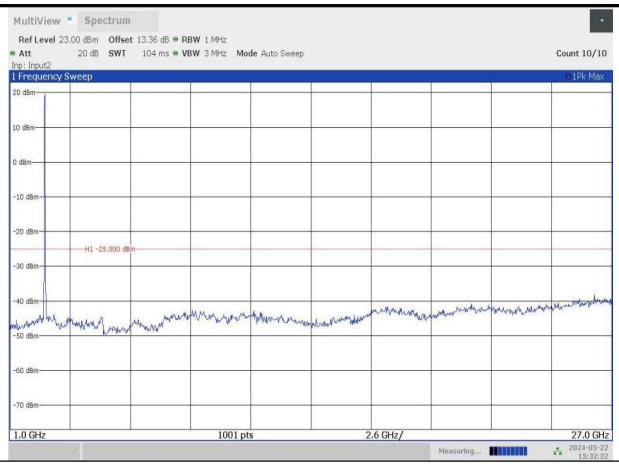

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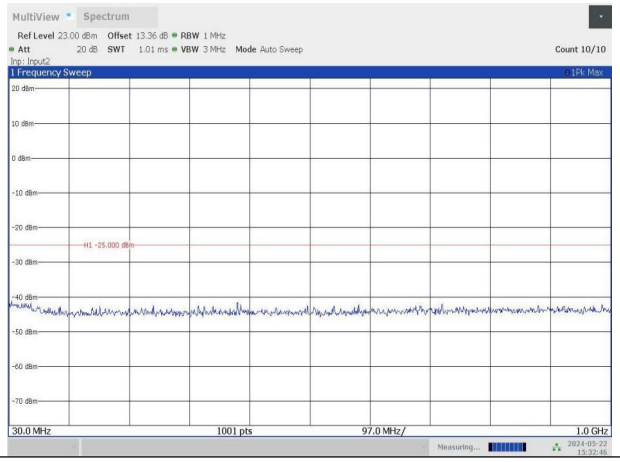

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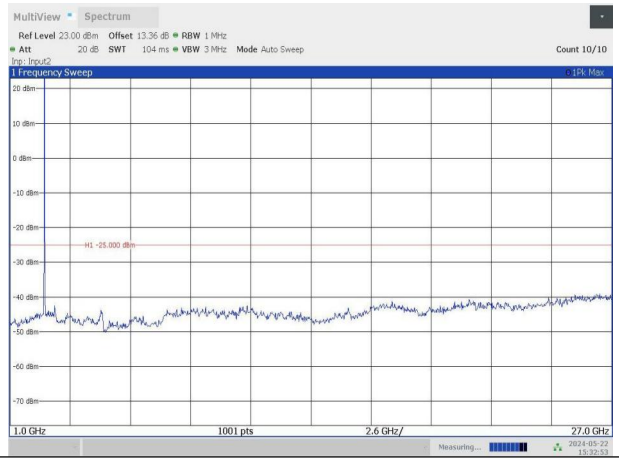

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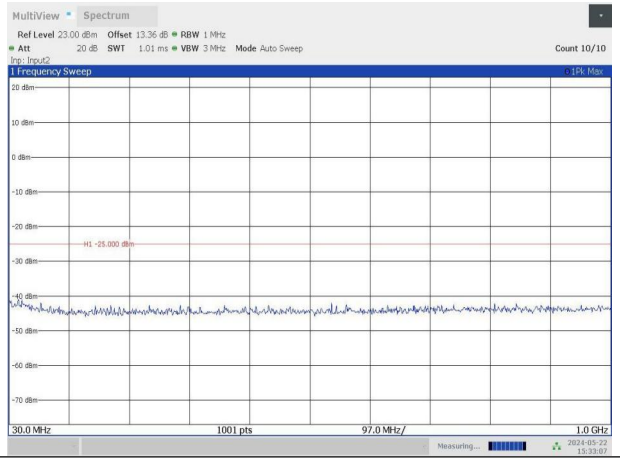

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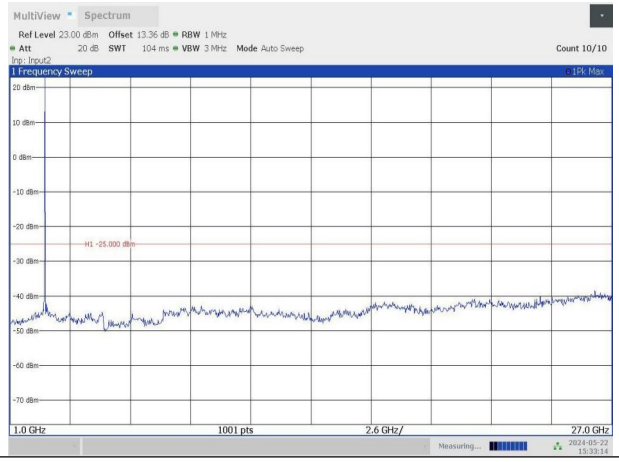

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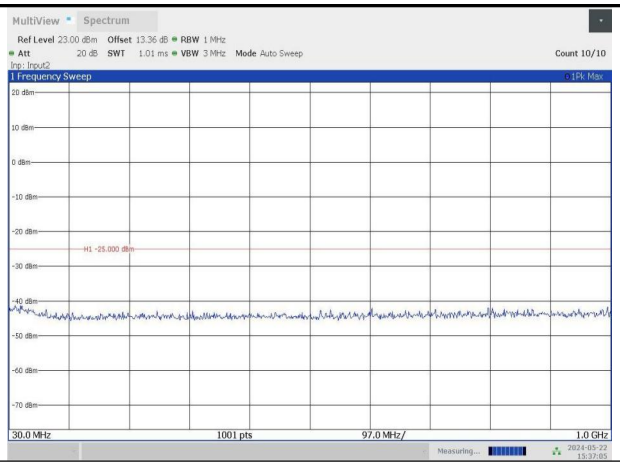

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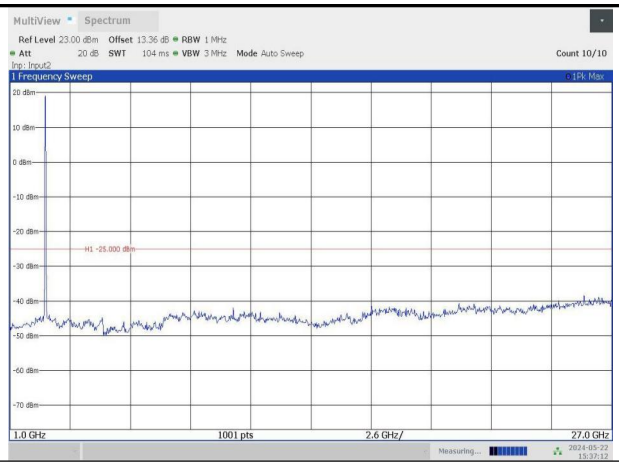

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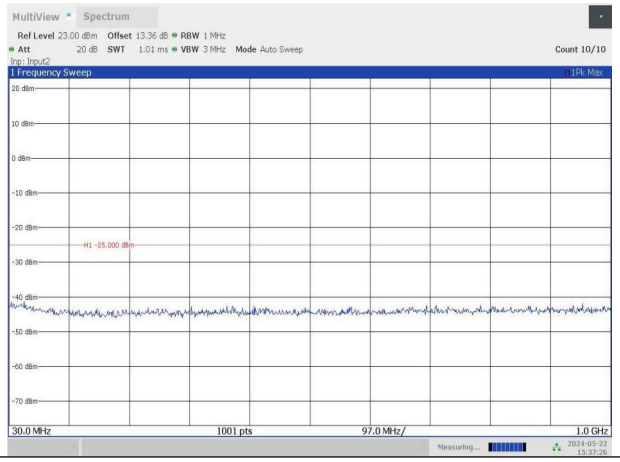

Fig.45

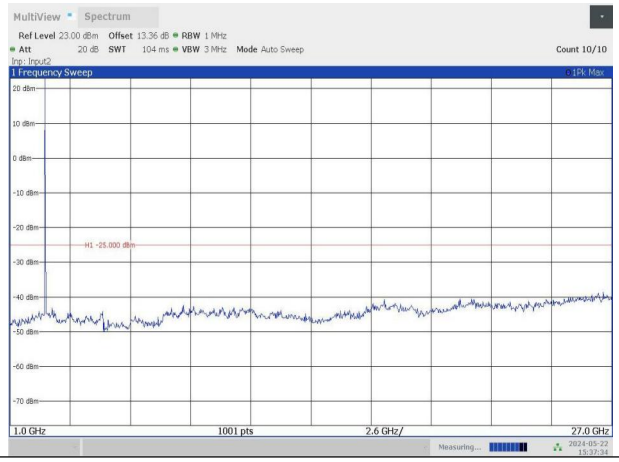

Fig.46

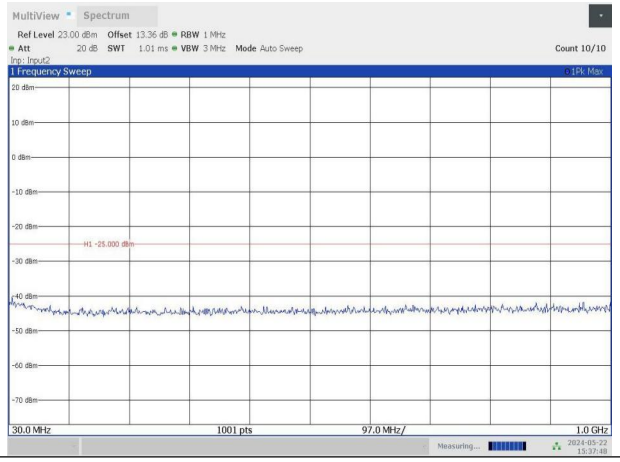

Fig.47

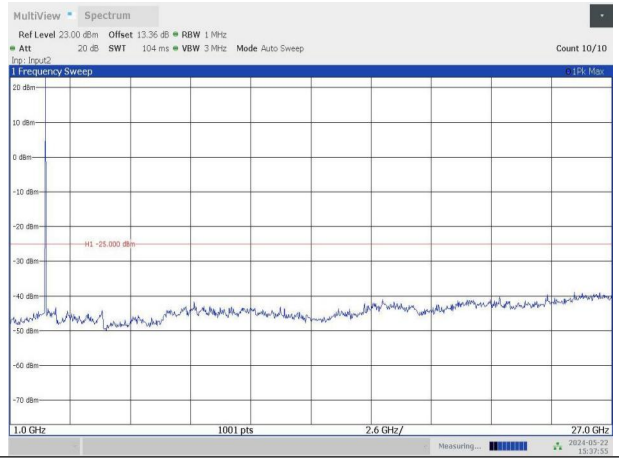

Fig.48

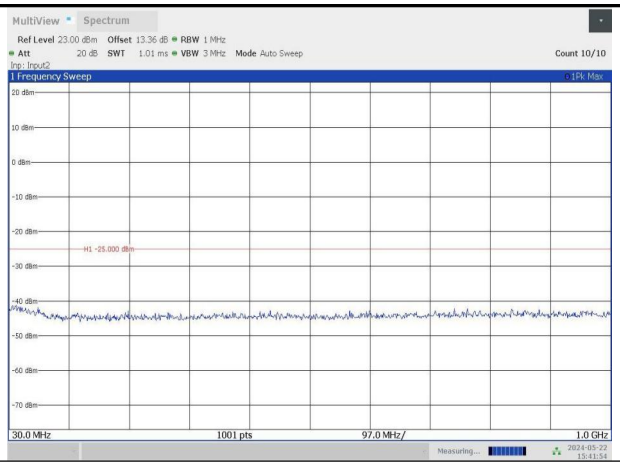

Fig.49

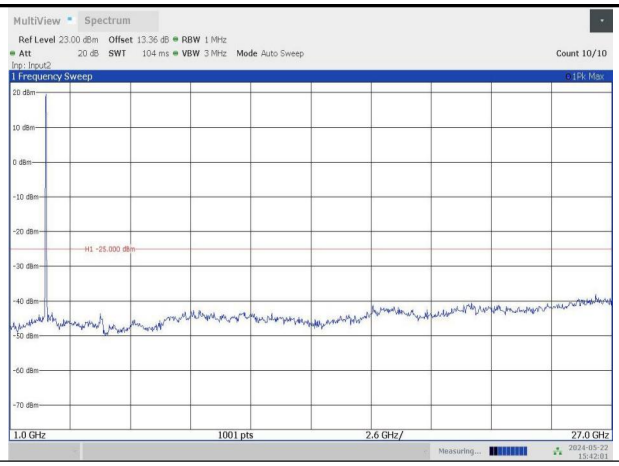

Fig.50

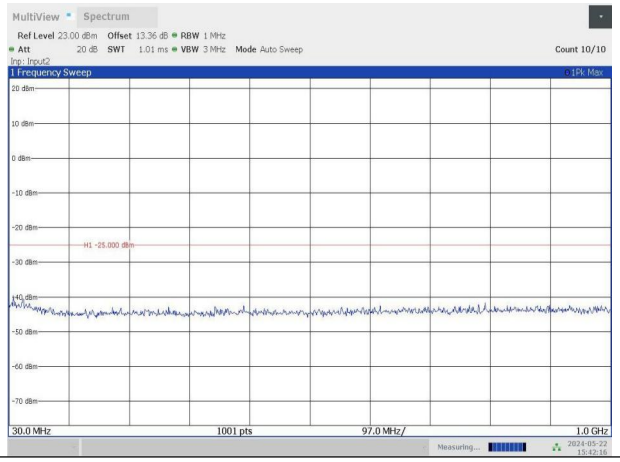

Fig.51

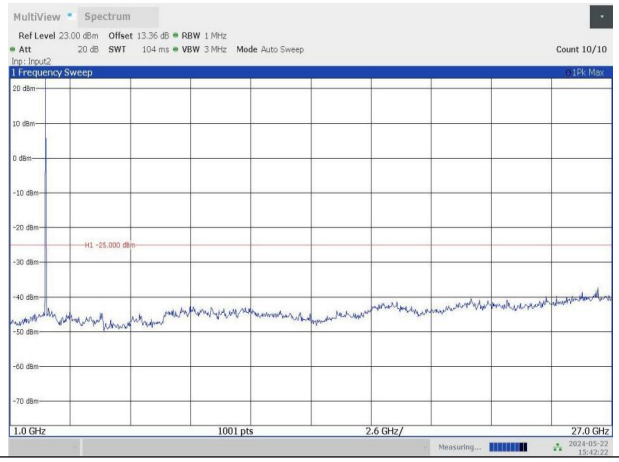

Fig.52

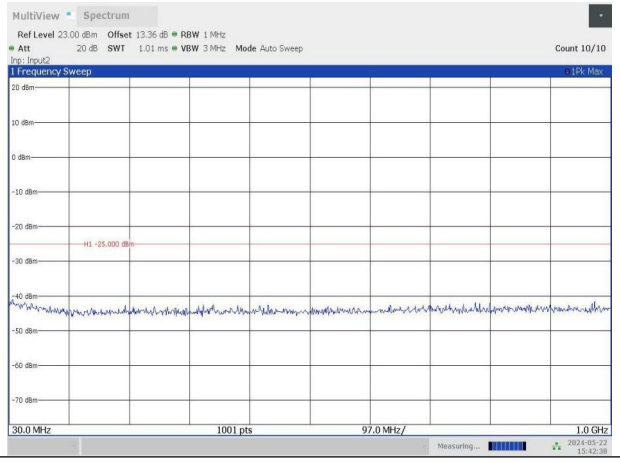

Fig.53

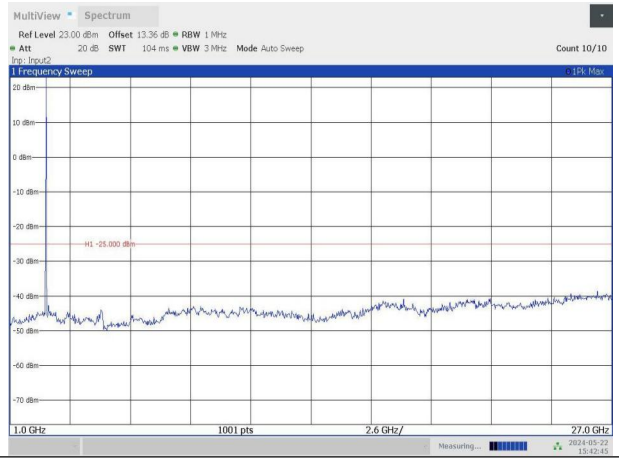

Fig.54

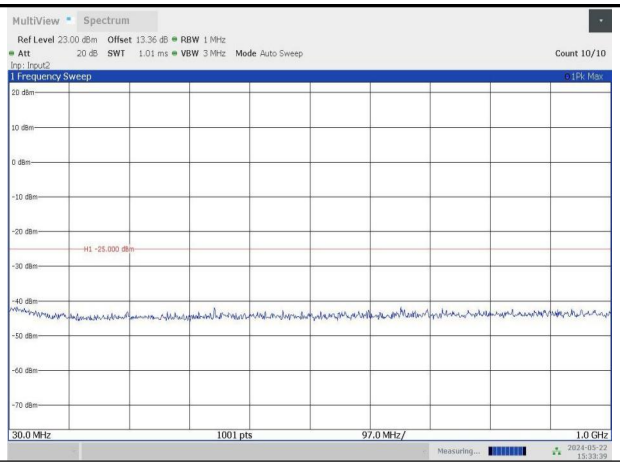

Fig.55

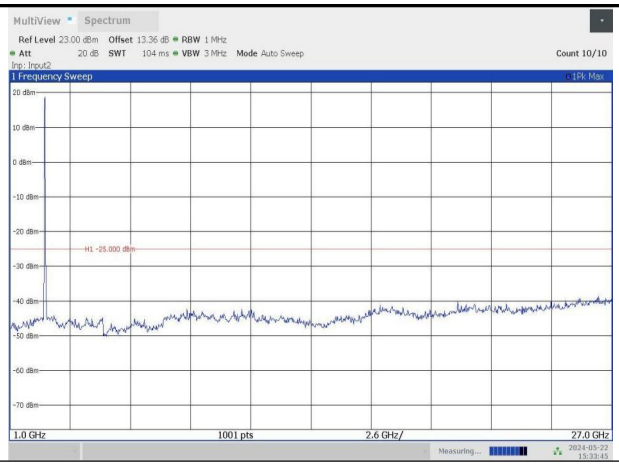

Fig.56

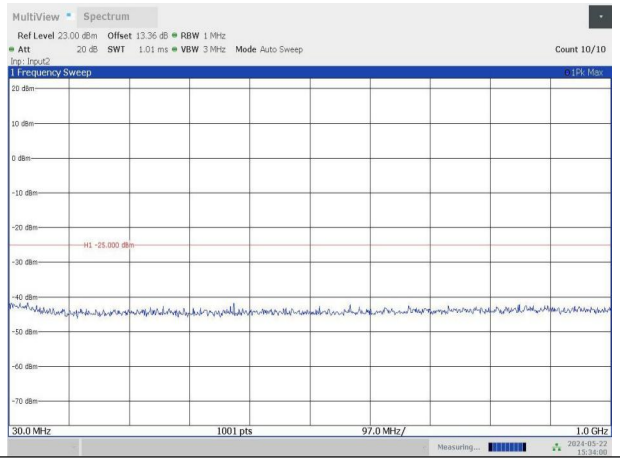

Fig.57

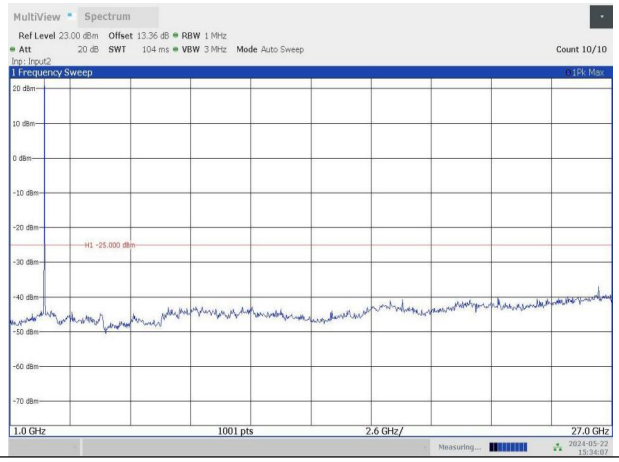

Fig.58

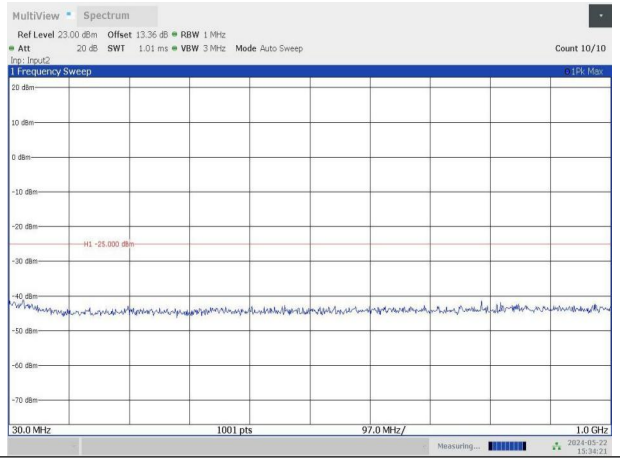

Fig.59

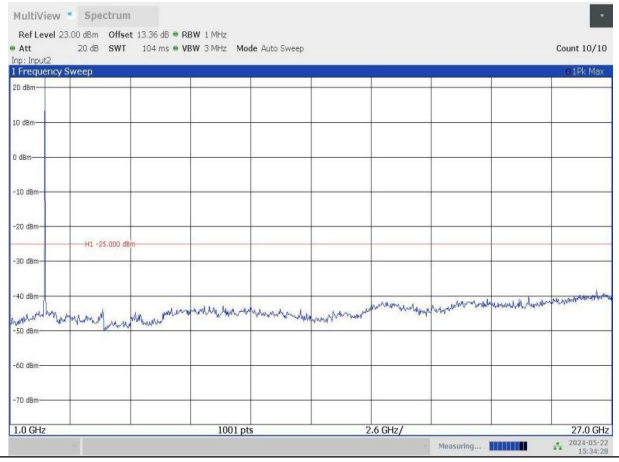

Fig.60