

APPROVED	CHECKED	CHECKED	CHECKED	FILLED

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DEPT. :	ENGINEERING
DATE :	16/11/2023
REF. NO :	E1MEC- 23Y0020

ENGINEERING STUDY / ANALYSIS REPORT

SUBJECT : NOISE AND DC LEVEL FOR DCDC IC MC33063ADR PCN

PURPOSE : STUDY NOISE AND DC LEVEL FOR DCDC IC MC33063ADR PCN# 20230417002.1
(Qualification of new Fab site (RFAB) using qualified Process Technology and Die)

MODEL NAME : 8AC22CX1
PART NO. :
SUPPLIER / MAKER :
STUDY STAGE : EVT / DVT / PVT / 1ST LOT / OTHERS:
SAMPLE STAGE : 1ST / 2ND / 3RD SAMPLE / OTHERS:
CHANGE DCDC IC MC33063ADR PCN# 20230417002.1

1. TEST PROCEDURES (CONTENTS) :

1.1 TEST CONDITIONS / ENVIRONMENTS :			
AC Supply :	230	V	Frequency : 50 Hz
DC Supply :		V	
Room Temp.:	25	°C	Room Humidity: 52 %
Test Location:	ENGINEERING STUDY ROOM		
Input Source (Test Signal):	PLAYBACK SONG	Function Mode:	USB
Volume Setting:	15	EQ Setting:	Flat Bass / Treble:
Output Level:		V	% THD
Speaker Load / Dummy Impedance :		4	Ohms

1.2 TEST EQUIPMENTS / TOOLS :	
Equipment Name :	EXTECH AC POWER SOURCE
Model No :	6800 SERIES
Serial Number :	
Equipment Name :	YOKOGAWA OSCILLOSCOPE
Model No :	DLM2024
Serial Number :	SR024103
Equipment Name :	
Model No :	
Serial Number :	
Equipment Name :	
Model No :	
Serial Number :	

2.RESULTS / DATA :

2.1 OBSERVATIONS / FINDINGS :
1. Noise level for MC33063ADR PCN# 20230417002.1 increase 40% compare previous MC33063ADR

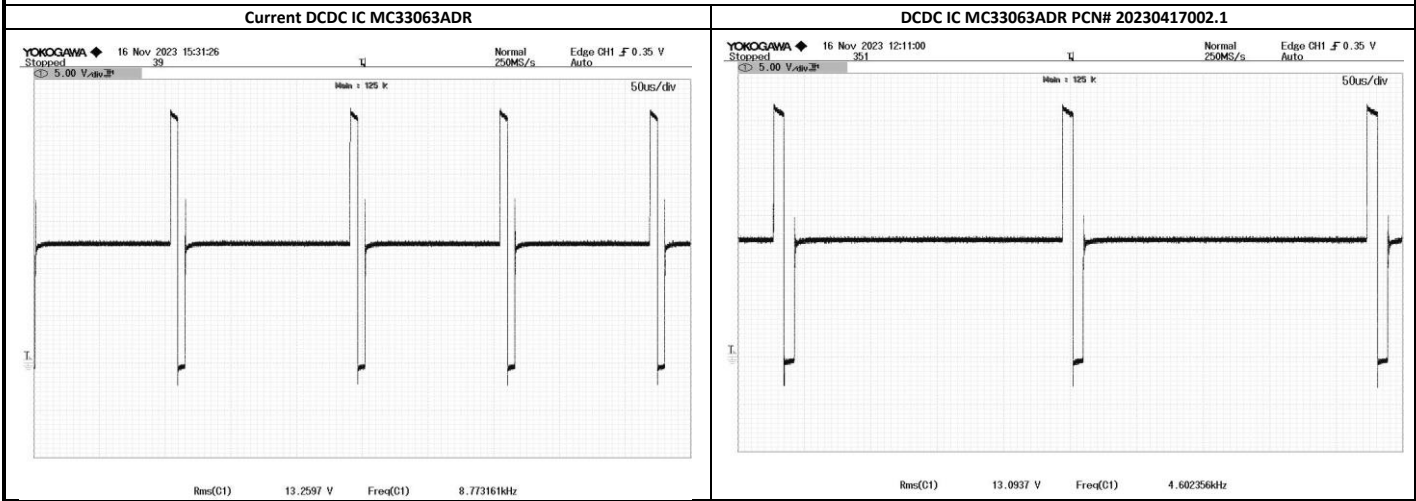
2.2 ATTACHED DATA / DOCUMENTS : (PLEASE SPECIFY)

3. CONCLUSION :

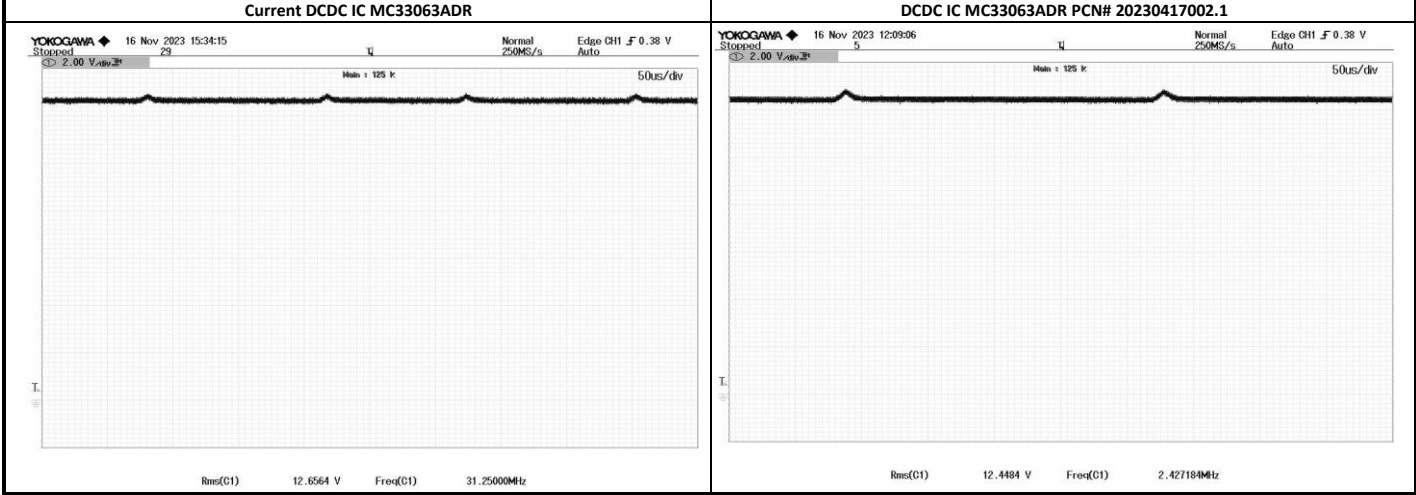
OK	OK (WITH CONDITION)	NG (NEED IMPROVE)	CAN'T IMPROVE
		O	

REMARKS:

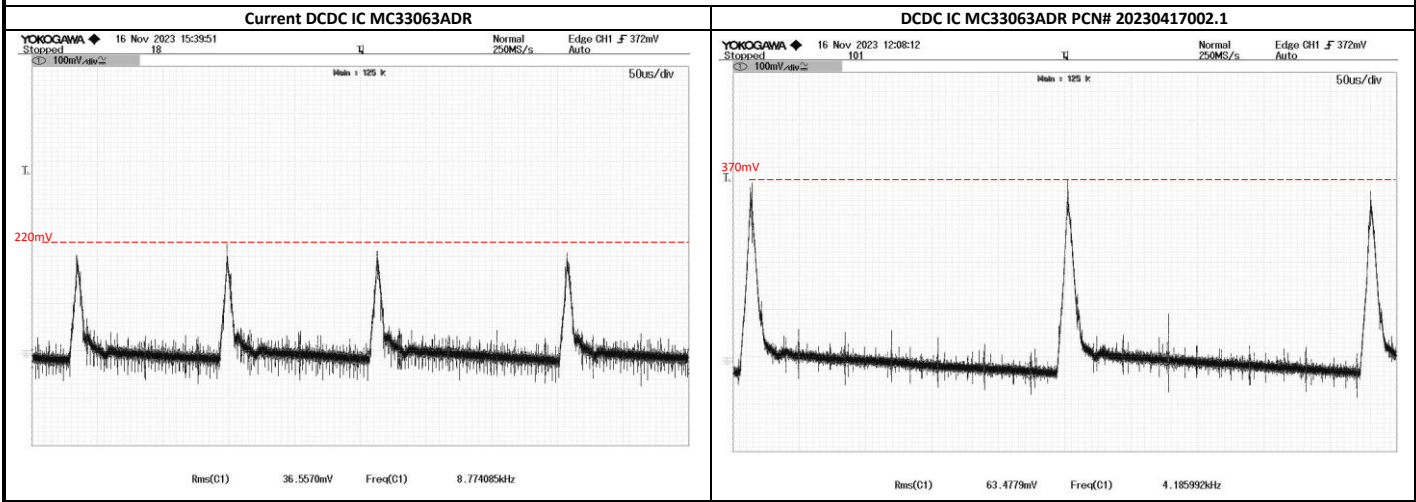
DCDC IC MC33063ADR Before Coil



DCDC IC MC33063ADR DC LEVEL After Coil



DCDC IC MC33063ADR NOISE After Coil



Schematic

