EMC Test Data

Client:	Google, Inc.	Job Number:	JD101521 and
Model:		T-Log Number:	T101543
	GFHD254	Project Manager:	Deepa Shetty
Contact:	Weifeng Pan	Project Coordinator:	-
Standard:	FCC 15.247 and 15.407	Class:	N/A

Maximum Permissible Exposure / SAR Exclusion

Test Specific Details

NTS

Objective: The objective of this test session is to perform final qualification testing of the EUT with respect to the specification listed above.

Date of Test: 12/19/2016 Test Engineer: Mark Hill

General Test Configuration

Calculation uses the free space transmission formula:

 $S = (PG)/(4 \pi d^2)$

Where: S is power density (W/m²), P is output power (W), G is antenna gain relative to isotropic, d is separation distance from the transmitting antenna (m).

Summary of Results

Device complies with Power Density requirements at 20cm separation: Yes

Modifications Made During Testing

No modifications were made to the EUT during testing

Deviations From The Standard

No deviations were made from the requirements of the standard.

		RSUCCESS					EMO	C Test Data			
Client:	Google, Inc.						Job Number: JD101521 and				
	0 /			T-Log Number: T101543							
Model:	GFHD254			Project Manager: Deena Shetty							
Contact	Weifeng Pa	n		Project Coordinator:							
Contact.		11 7 and 15 107									
Standard.	FUU 15.247	anu 15.407					Ulass.	N/A			
	alculation										
Use:	Jaiculation General										
Antenna:	-4 0dBi for Bluetooth										
/ antonnia.	9.48dBi for	UNII1 (Direct	ional TxBF o	ain)							
	10.6dBi for UNII3 (Directional TxBF gain)										
Worse case mode: BLE for 2.4GHz Bluetooth Operation n40, TxBF for UNII1 n40, TxBF for UNII3											
Assessment		i radio operal	lion Cabla Lasa	Ant	Dowor		Dower Density (C)	MDE Limit			
F	E	UT		Ant	Power		Power Density (S)				
⊢req.	dDm P0	wer		Gain	at Ant	EIRP mW	at 20 cm	at 20 cm			
IVIFIZ PT Dadia O	0Bm			QBI	() () () () () () () () () () () () () (ITIVV	mvv/cm^2	mvv/cm^2			
2110 U			$\Delta LE)$	1	60	1 58	0.0003	1 000			
Z440 5CHz radio	0.0 operation	4.0	U	-4	0.0	1.00	0.0003	1.000			
5200	20.3	107.2	0	9.48	20.3	950.60	0 189	1 000			
5795	24.5	281.8	0	10.6	24.5	3235.94	0.644	1.000			
Simultaneou	is transmissi	on calculation	n using worse	e case (as a	% of MPE lir	nit @ 20cm) (of 2.4GHz and 5GHz ope	ration			
Freq.	0/	C 11									
	% of limit										
2440 5200	0.00										
5200	64.4										
	i ulai.	04.4									