

Reference FCC ID: BCG-E8957A
 Variants FCC ID: BCG-E8958A, BCG-E8959A

Report number: 15496245-E7 FCC UNII-1 & UNII-3 NB

Test Item	Modes	Power Mode	SISO		TxBF
			ANT6	ANT5	ANT6+5
UNII-1					
Duty Cycle	All	HIGH & LOW POWER MODE	Reference		
26dB and 99% Bandwidth Output Power and PSD	BDR	HIGH POWER	Reference	Reference	Reference
		LOW POWER	Reference	Reference	Reference
	BLE	HIGH POWER	Reference	Reference	Reference
		LOW POWER	Reference	Reference	Reference
	HDR	HIGH POWER	Reference	Reference	Reference
		LOW POWER	Reference	Reference	Reference
Radiated Bandedge	BDR	HIGH POWER	Reference	Reference	Reference
		LOW POWER	Reference	Reference	Reference
	BLE	HIGH POWER	Reference	Reference	Reference
		LOW POWER	Reference	Reference	Reference
	HDR	HIGH POWER	Reference	Reference	Reference
		LOW POWER	Reference	Reference	Reference
Radiated Spurious Emissions 1GHz to 18GHz	BDR	HIGH POWER	Covered by TxBF		
		LOW POWER	Covered by TxBF		
	BLE	HIGH POWER	Covered by TxBF		
		LOW POWER	Covered by TxBF		
	HDR	HIGH POWER	Covered by TxBF		
		LOW POWER	Covered by TxBF		
UNII-3					
26dB and 99% Bandwidth 6dB Bandwidth Output Power and PSD	BDR	HIGH POWER	Reference	Reference	Reference
		LOW POWER	Reference	Reference	Reference
	BLE	HIGH POWER	Reference	Reference	Reference
		LOW POWER	Reference	Reference	Reference
	HDR	HIGH POWER	Reference	Reference	Reference
		LOW POWER	Reference	Reference	Reference
Radiated Bandedge	BDR	HIGH POWER	Reference	Reference	Reference
		LOW POWER	Reference	Reference	Reference
	BLE	HIGH POWER	Reference	Reference	Reference
		LOW POWER	Reference	Reference	Reference
	HDR	HIGH POWER	Reference	Reference	Reference
		LOW POWER	Reference	Reference	Reference
Radiated Spurious Emissions 1GHz to 18GHz	BDR	HIGH POWER	Covered by TxBF		
		LOW POWER	Covered by TxBF		
	BLE	HIGH POWER	Covered by TxBF		
		LOW POWER	Covered by TxBF		
	HDR	HIGH POWER	Covered by TxBF		
		LOW POWER	Covered by TxBF		
UNII-1 & UNII-3					
Radiated Spurious Emissions below 1GHz	Worst Case	Worst Case	Reference		
Radiated Spurious Emissions above 18GHz	Worst Case	Worst Case	Reference		
AC Mains Conducted Emissions	Worst Case	Worst Case	Reference		

Report number: 15496245-E9 FCC IC UNII-5 NB

Test Item	Modes	Power Mode	SISO		TxBF
			ANT6	ANT5	
Duty Cycle	All	HIGH & LOW POWER MODE	Reference		
26dB and 99% Bandwidth, Output Power and PSD, Spurious Emissions In-band Emission Mask	BDR	HIGH POWER	Reference	Retest	Retest
		LOW POWER	Reference	Retest	Retest
	BLE	HIGH POWER	Reference	Retest	Retest
		LOW POWER	Reference	Reference HDT4)	Retest
	HDR	HIGH POWER	Reference	Retest	
		LOW POWER	Reference	Reference	Retest
Radiated Bandedge	BDR	HIGH POWER	Reference	Retest	Retest
		LOW POWER	Reference	Retest	Retest
	BLE	HIGH POWER	Reference	Retest	Retest
		LOW POWER	Reference	Retest	Retest
	HDR	HIGH POWER	Reference	Retest	Retest
		LOW POWER	Reference	Retest	Retest
Radiated Spurious Emissions 1GHz to 18GHz	BDR	HIGH POWER	Covered by TxBF		Retest
		LOW POWER			Retest
	BLE	HIGH POWER			Retest
		LOW POWER			Retest
	HDR	HIGH POWER			Retest
		LOW POWER			Retest
Radiated Spurious Emissions below 1GHz	Worst Case	Worst Case	Reference		
Radiated Spurious Emissions above 18GHz	Worst Case	Worst Case	Reference		
Dual Client Test	HDR	LOW POWER	Reference	Reference	n/a
VLP Transmit Power Control (TPC)	HDR	LOW POWER	Reference	Reference	n/a
AC Mains Conducted Emissions	Worst Case	Worst Case	Reference		

Report number: 15496245-E10 FCC UNII 5G Conducted Report

Test Item	UNII Bands	SISO a/ HE/EHT All Rates		2Tx CDD HE/EHT All Rates		2Tx SDM HE/EHT All Rates			
		1/2A/2C/3	ANT6	ANT5	ANT6+5				
Duty Cycle	1/2A/2C/3	Reference		Covered by MIMO					
99%/26dB BW, Output Power and PSD	1/2A/2C/3	Reference							
BW verification of channel puncturing in the DFS bands	2A/2C	Reference							
6dB BW	2C/3	Reference							

Report number: 15496245-E14 FCC UNII 5G Radiated Report

Test Item	UNII Bands	SISO a/ HE/EHT All Rates		2Tx CDD HE/EHT All Rates	2Tx SDM HE/EHT All Rates
		1/2A/2C/3	ANT6		
Radiated band edge	1/2A/2C/3	Reference	Reference	Reference	Reference
Radiated Spurious Emissions 1GHz to 18GHz	1/2A/2C/3	Covered by MIMO		Reference	Reference
Radiated Spurious Emissions below 1GHz	1/2A/2C/3			Reference	Reference
Radiated Spurious Emissions above 18GHz	1/2A/2C/3			Reference	Reference
AC Mains Conducted Emissions	1/2A/2C/3			Reference	Reference

Report number: 15496245-E12 FCC UNII 6G Conducted Report

Test Item	Power mode	UNII Bands	SISO a/ HE/EHT All Rates		2Tx CDD HE/EHT All Rates	2Tx SDM HE/EHT All Rates
			ANT6	ANT5		
Duty Cycle	LP/SP/VLP	5/6/7/8	Reference			
99%/26dB BW, Output Power EIRP/PSD EIRP, Spurious Emissions In-band- Emissions Mask	LP	5	Reference	Retest	Retest	Retest
		6	Reference			
		7	Reference			
		8	Reference	Retest ^{Note 1}	Retest ^{Note 1}	Retest
	SP	5	Reference	Reference	Retest	Retest
		7	Reference			
		5	Reference	Retest	Retest	Retest
		6	Reference			
	VLP	7	Reference			
		8	Reference	Retest ^{Note 1}	Retest ^{Note 1}	Retest
Dual client test	LP/SP	5/6/7/8	Reference			
VLP Transmit Power Control (TPC)	VLP	5/6/7/8	Reference			
Radiated band edge	LP/SP/VLP	5/6/7/8	Reference	Retest	Retest	
Radiated Spurious Emissions 1GHz to 18GHz	LP/SP/VLP	5/6/7/8	Covered by MIMO		Reference	
Radiated Spurious Emissions below 1GHz	LP/SP/VLP	5/6/7/8	Reference			
Radiated Spurious Emissions above 18GHz	LP/SP/VLP	5/6/7/8	Reference			
AC Mains Conducted Emissions	LP/SP/VLP	5/6/7/8	Reference			

NOTE 1: Except UNII-8 a mode 7115MHz data is referenced.

Report number: 15496245-E12 & E13 FCC IC UNII 6G Radiated Report

Test Item	Power mode	UNII Bands	SISO a/ HE/EHT All Rates		2Tx CDD HE/EHT All Rates	2Tx SDM HE/EHT All Rates	
			ANT6	ANT5			
Radiated band edge	LP/SP/VLP	5/6/7/8	Reference	Retest	Retest		
Radiated Spurious Emissions 1GHz to 18GHz	LP/SP/VLP	5/6/7/8	Covered by MIMO		Reference		
Radiated Spurious Emissions below 1GHz	LP/SP/VLP	5/6/7/8	Reference				
Radiated Spurious Emissions above 18GHz	LP/SP/VLP	5/6/7/8	Reference				
AC Mains Conducted Emissions	LP/SP/VLP	5/6/7/8	Reference				

Report number: 15496240-E6 FCC IC 802.15.4ab UNII Report

reference FCC ID: BCG-E8949A

variants FCC ID: BCG-E8957A, BCG-E8958A, BCG-E8959A

Test Item	Power Mode	250Kbps	
		ANT6	ANT5
Duty Cycle	High/Low Power Mode	Reference	
99% and 26dB Bandwidth, 6dB Bandwidth, Output Power and PSD	High/Low Power Mode	Reference	
Radiated band edge	High/Low Power Mode	Retest	Reference
Radiated Spurious Emissions 1GHz-18GHz	High/Low Power Mode	Retest	Reference
Radiated Spurious Emissions below 1GHz	High/Low Power Mode	Reference	
Radiated Spurious Emissions above 18GHz	High/Low Power Mode	Reference	
AC Mains Conducted Emissions	High/Low Power Mode	Reference	