reference FCC ID: BCG-E8949A
variants FCC ID: BCG-E8957A, BCG-E8958A, BCG-E8959A,

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

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	

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reference FCC ID: BCG-E8949A
variant FCC ID: BCG-E8957A

Report number: 15496240-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	Retest	Reference	Retest
		LOW POWER	Retest	Reference	Retest
	BLE	HIGH POWER	Retest	Reference	Retest
		LOW POWER	Retest	Reference	Retest
	HDR	HIGH POWER	Retest	Reference	Retest
		LOW POWER	Retest	Reference	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
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	Retest	Reference	Retest
		LOW POWER	Retest	Reference	Retest
	BLE	HIGH POWER	Retest	Reference	Retest
		LOW POWER	Retest	Reference	Retest
	HDR	HIGH POWER	Retest	Reference	Retest
		LOW POWER	Retest	Reference	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
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		

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reference FCC ID: BCG-E8949A
variant FCC ID: BCG-E8957A

Report number: 15496240-E9 FCC IC UNII-5 NB

Test Item	Modes	Power Mode	SISO		TxBF
			ANT6	ANT5	ANT6+5
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	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	Retest	Reference	Retest
		LOW POWER	Retest	Reference	Retest
	BLE	HIGH POWER	Retest	Reference	Retest
		LOW POWER	Retest	Reference	Retest
	HDR	HIGH POWER	Retest	Reference	Retest
		LOW POWER	Retest	Reference	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		

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reference FCC ID: BCG-E8949A
variant FCC ID: BCG-E8957A

Report number: 15496240-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	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: 15496240-E10 & E11 FCC IC 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	ANT5	ANT6+5	ANT6+5
Radiated band edge	1/2A/2C/3	Retest	Reference	Retest	
Radiated Spurious Emissions 1GHz to 18GHz	1/2A/2C/3	Covered by MIMO		Retest	
Radiated Spurious Emissions below 1GHz	1/2A/2C/3	Reference			
Radiated Spurious Emissions above 18GHz	1/2A/2C/3	Reference			
AC Mains Conducted Emissions	1/2A/2C/3	Reference			

reference FCC ID: BCG-E8949A
variant FCC ID: BCG-E8957A

Report number: 15496240-E12 FCC UNII 6G Conducted Report

Test Item	Power mode	SISO a/ HE/EHT All Rates		2Tx CDD HE/EHT All Rates	2Tx SDM HE/EHT All Rates
		ANT6	ANT5	ANT6+5	ANT6+5
Duty Cycle	LP/SP/VLP	Reference			
99%/26dB BW, Output Power EIRP/PSD EIRP, Spurious Emissions In-band- Emissions Mask	LP	Retest NOTE1	Reference	Retest NOTE1	Retest
	SP	Retest	Reference	Retest	Retest
	VLP	Retest NOTE1	Reference	Retest NOTE1	Retest
Dual client test	LP/SP	Reference			
VLP Transmit Power Control (TPC)	VLP	Reference			
Radiated band edge	LP/SP/VLP	Retest NOTE1	Reference	Retest NOTE1	
Radiated Spurious Emissions 1GHz to 18GHz	LP/SP/VLP	Covered by MIMO		Retest NOTE1	
Radiated Spurious Emissions below 1GHz	LP/SP/VLP	Reference			
Radiated Spurious Emissions above 18GHz	LP/SP/VLP	Reference			
AC Mains Conducted Emissions	LP/SP/VLP	Reference			

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

Report number: 15496240-E12 & E13 FCC IC UNII 6G Radiated Report

Test Item	Power mode	SISO a/ HE/EHT All Rates		2Tx CDD HE/EHT All Rates	2Tx SDM HE/EHT All Rates
		ANT6	ANT5	ANT6+5	ANT6+5
Radiated band edge	LP/SP/VLP	Retest NOTE1	Reference	Retest NOTE1	
Radiated Spurious Emissions 1GHz to 18GHz	LP/SP/VLP	Covered by MIMO		Retest NOTE1	
Radiated Spurious Emissions below 1GHz	LP/SP/VLP	Reference			
Radiated Spurious Emissions above 18GHz	LP/SP/VLP	Reference			
AC Mains Conducted Emissions	LP/SP/VLP	Reference			

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

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