Section 1 - RFDS GENERAL INFORMATION

RFDS NAME:	CNU0739	DATE:	01/23/2021	RF DESIGN ENG:	Jose Pabelonio
ISSUE:	ZONING	Approved? (Y/N):	Yes	RF DESIGN PHONE:	
REVISION:	6.0	RF MANAGER:	Lawrence Velasquez	RF DESIGN EMAIL:	jp5720@att.com
INITIATIVE /PROJECT:	C-Band, 700 4T4R and 5G 850 Project. "Hybrid RFDS" – DRAN configuration				

RF PERF ENG:		RFDS PROGRAM TYPE:	2022 5G NR Radio		
RF PERF PHONE:		RFDS TECHNOLOGY:	5G NR 1SR CBAND		
RF PERF EMAIL:		STATE/STATUS:	As Built/In Progress		
ADDITIONAL WORKFLOW NOTIFICATIONS:		RFDS ID:	4362051		
RFDS VERSION:	5.00	Created By:	sm0587	Updated By:	jp5720
UMTS FREQUENCY:	850	Date Created:	2/14/2021 9:44:31 PM	Date Updated:	8/15/2022 5:49:36 PM
LTE FREQUENCY:	700, 1900, AWS, WCS	Estimated SQIN:	14,543	Expiration :	
5G FREQUENCY:	CBAND	RER Initiative:		Calculation ID:	20220815174245110 0
I-PLAN JOB # 1:	WR_-RSFR-21-08734	IPLAN PRD GRP || SUB GRP #1:	5G NR Radio || 5G NR 1SR CBand		
I-PLAN JOB # 2:	WR_-RSFR-21-08735	IPLAN PRD GRP || SUB GRP #2:	Antenna Modifications || 4TXRX Antenna Retrofit		
I-PLAN JOB # 3:	WR_-RSFR-21-08736	IPLAN PRD GRP || SUB GRP #3:	5G NR Software Radio || 5G NR 1DR-2		
I-PLAN JOB # 4:		IPLAN PRD GRP || SUB GRP #4:			
I-PLAN JOB # 5:		IPLAN PRD GRP || SUB GRP #5:			
I-PLAN JOB # 6:		IPLAN PRD GRP || SUB GRP #6:			
I-PLAN JOB # 7:		IPLAN PRD GRP || SUB GRP #7:			
I-PLAN JOB # 8:		IPLAN PRD GRP || SUB GRP #8:			
I-PLAN JOB # 9:		IPLAN PRD GRP || SUB GRP #8:			
I-PLAN JOB # 10:		IPLAN PRD GRP || SUB GRP #8:			
I-PLAN JOB # 11:		IPLAN PRD GRP || SUB GRP #8:			
I-PLAN JOB # 12:		IPLAN PRD GRP || SUB GRP #8:			
I-PLAN JOB # 13:		IPLAN PRD GRP || SUB GRP #8:			
I-PLAN JOB # 14:		IPLAN PRD GRP || SUB GRP #8:			
I-PLAN JOB # 15:		IPLAN PRD GRP || SUB GRP #8:			
I-PLAN JOB # 16:		IPLAN PRD GRP || SUB GRP #8:			

Section 2 - LOCATION INFORMATION

USID:	13193	FA LOCATION CODE:	10095834	LOCATION NAME:	CHERRY - COTTLE
REGION:	WEST	MARKET CLUSTER:	SAN FRANCISCO/SACRAMENTO	MARKET:	SAN FRANCISCO
ADDRESS:	2278 BOOKSIN AVENUE	CITY:	SAN JOSE	STATE:	CA
ZIP CODE:	95125	COUNTY:	SANTA CLARA	LONG (DEC. DEG.):	-121.9033611
LATITUDE (D-M-S):	37d 17m2.50008s	LONGITUDE (D-M-S):	-121d -54m-12.09996s	LAT (DEC. DEG.):	37.2840278
DIRECTIONS, ACCESS AND EQUIPMENT LOCATION:	FROM SANTA CLARA, HEAD SOUTH ON HWY 280, EXIT AT MERIDIAN AVE, HEAD SOUTH ON MERIDIAN, GO APPROX 1.8 MILES AND TURN LEFT ON CURTNER. CONTINUE 3 BLOCKS TO SAINT CHRISTOPHERS CHURCH ON THE RIGHT SIDE OF CURTNER. ENTER DRIVE WAY AND PARK IN PARKING LOT. ENTER THROUGH CHURCH DOOR, TURN LEFT AND PROCEED THROUGH THE DOOR MARKED "CHOIR ROOM" FOLLOW STAIRS TO THE 2ND FLOOR. ONCE UPSTAIRS THERE WILL BE A DOOR ON YOUR RIGHT, SITE IS BEHIND THAT DOOR. MAKE SURE ALL DOORS ARE ALWAYS CLOSED AND LOCKED.MAKE SURE LIGHTS ARE OFFSITE DOOR USES ARROW KEY.NO ACCESS AFTER HOURS CONTACT AT&T SITE TECH ROB BREUKERS 408 803-0386TRACBOX IS LOCATED TO THE LEFT OF THE MAIN ENTRANCE BEHIND A TRELLIS AND NEXT TO PG&E METER AND AIR CONDITIONERS.				

ORACLE PTN # 1:	3701A0YPHR	PACE JOB # 1:	MRSFR079093		
ORACLE PTN # 2:	3701A0YNP0	PACE JOB # 2:	MRSFR079094		
ORACLE PTN # 3:	3701A0YNWW	PACE JOB # 3:	MRSFR079440		
ORACLE PTN # 4:		PACE JOB # 4:			
ORACLE PTN # 5:		PACE JOB # 5:			
ORACLE PTN # 6:		PACE JOB # 6:			
ORACLE PTN # 7:		PACE JOB # 7:			
ORACLE PTN # 8:		PACE JOB # 8:			
ORACLE PTN # 9:		PACE JOB # 9:			
ORACLE PTN # 10:		PACE JOB # 10:			
ORACLE PTN # 11:		PACE JOB # 11:			
ORACLE PTN # 12:		PACE JOB # 12:			
ORACLE PTN # 13:		PACE JOB # 13:			
ORACLE PTN # 14:		PACE JOB # 14:			
ORACLE PTN # 15:		PACE JOB # 15:			
ORACLE PTN # 16:		PACE JOB # 16:			
BORDER CELL WITH CONTOUR COORD:		SEARCH RING NAME:			
AM STUDY REQ'D (Y/N):	No	SEARCH_RING_ID:			
FREQ COORD:		BTA:		MSA / RSA:	
		LAC(UMTS):	56953		
RF DISTRICT:	10				
RF ZONE:	E	RNC(UMTS):	SNTDCAUJCRBR17		
		MME POOL ID(LTE):	FF50		
PARENT NAME(UMTS):	SANTA CLARA RNC 3820-17				

Section 3 - LICENSE COVERAGE/FILING INFORMATION

CGSA - NO FILING TRIGGERED (Yes/No):	Yes	CGSA LOSS:		PCS REDUCED - UPS ZIP:	
CGSA - MINOR FILING NEEDED (Yes/No)::	No	CGSA EXT AGMT NEEDED:		PCS POPS REDUCED:	
CGSA - MAJOR FILING NEEDED (Yes/No):	No	CGSA SCORECARD UPDATED:			
CGSA CALL SIGNS:					

Section 4 - TOWER/REGULATORY INFORMATION

STRUCTURE AT&T OWNED?:	No	**GROUND ELEVATION (ft):**		**STRUCTURE TYPE:**	BUILDING-SIDE MOUNT	**MARKET LOCATION 700 MHz Band:**		
ADDITIONAL REGULATORY?:	No	**HEIGHT OVERALL (ft):**	66	**FCC ASR NUMBER:**	0	**MARKET LOCATION 850 MHz Band:**		
SUB-LEASE RIGHTS?:	No	**STRUCTURE HEIGHT (ft):**	57.00			**MARKET LOCATION 1900 MHz Band:**		
LIGHTING TYPE:	NOT REQUIRED					**MARKET LOCATION AWS Band:**		
						MARKET LOCATION WCS Band:		
						MARKET LOCATION Future Band:		

Section 5 - E-911 INFORMATION - existing

	PSAP NAME:	PSAP ID:	E911 PHASE:	MPC SVC PROVIDER:	LMU REQUIRED:	ESRN:	DATE LIVE PH1:	DATE LIVE PH2:		
SECTOR A E-911				INTRADO_LNGMONT		0				
SECTOR B				INTRADO_LNGMONT		0				
SECTOR C				INTRADO_LNGMONT		0				
SECTOR D										
SECTOR E										
SECTOR F										
OMNI										

Section 5 - E-911 INFORMATION - final

	PSAP NAME:	PSAP ID:	E911 PHASE:	MPC SVC PROVIDER:	LMU REQUIRED:	ESRN:	DATE LIVE PH1:	DATE LIVE PH2:		
SECTOR A E-911				INTRADO_LNGMONT		0				
SECTOR B				INTRADO_LNGMONT		0				
SECTOR C				INTRADO_LNGMONT		0				
SECTOR D										
SECTOR E										
SECTOR F										
OMNI										

SECTION 6/7 - BBU INFORMATION - existing

	BBU 1	BBU 2	BBU 3	BBU 4					
BBU RBS ID:	218301	288313	345727	RFDS_65294725					
TECHNOLOGY:	UMTS	UMTS	LTE	LTE,5G					
BBU NAME:	CNU0739_2	CNU3436_4	CCL00739	CCL04526,CCSN000739					
BBU USID:	13193	13193	13193	13193					
CELL ID / BCF:	CNU0739	CNU3436	CCL00739	CCSN000739					
BTA/TID:	404U	404W	404L						
4-9 DIGIT SITE ID:	0739	7119	0739	13400739					
COW OR TOY?:	No	No	No	No					
CELL SITE TYPE:	SECTORIZED	SECTORIZED	SECTORIZED	SECTORIZED					
SITE TYPE:	MACRO-CONVENTIONAL	MACRO-CONVENTIONAL	MACRO-CONVENTIONAL	MACRO-CONVENTIONAL					
BTS LOCATION ID:	ROOF	ROOF	GROUND	INTERNAL					
BASE STATION TYPE:	OVERLAY	OVERLAY	OVERLAY	OVERLAY					
EQUIPMENT NAME:	CHERRY - COTTLE	CHERRY AND COTTLE	CHERRY - COTTLE_LTE	CCSN000739					
DISASTER PRIORITY:	3	3	3	0					
EQUIPMENT VENDOR:	ERICSSON	ERICSSON	ERICSSON	ERICSSON					
EQUIPMENT TYPE (Model):	3206 INDOOR	3206 INDOOR	6601 RADIONODE 5216	BASEBAND 6630					
BASEBAND CONFIGURATION:			2x6601 / 1x5216 / 2xXMU	xxxxx / 1x6630 / xxxxx					
MARKET STATE CODE:			CC	CC,CCS					
NODE B NUMBER:	0	0	739	4526,739					
SIDEHAUL SWITCH VENDOR:									
SIDEHAUL SWITCH MODEL:									
SIDEHAUL SWITCH NAME:									
SIDEHAUL SWITCH ADDITIONAL CARDS:									
UL-CoMP:									
CSS - CTS COMMON ID:	CNU0739_2	CNU3436_4	CCL00739						
CSS - SECONDARY FUNCTION ID:									

SECTION 6/7 - BBU INFORMATION - final

	BBU 1	BBU 2	BBU 3						
BBU RBS ID:	345727	921888	852704						
TECHNOLOGY:	LTE	5G	LTE,5G						
BBU NAME:	CCL00739	CCSN010739	CCL04526,CCSN000739						
BBU USID:	13193	13193	13193						
CELL ID / BCF:	CCL00739	CCSN010739	CCSN000739						
BTA/TID:	404L								
4-9 DIGIT SITE ID:	0739	13410739	13400739						
COW OR TOY?:	No	No	No						
CELL SITE TYPE:	SECTORIZED	SECTORIZED	SECTORIZED						
SITE TYPE:	MACRO-CONVENTIONAL	MACRO-CONVENTIONAL	MACRO-CONVENTIONAL						
BTS LOCATION ID:	GROUND	INTERNAL	INTERNAL						
BASE STATION TYPE:	OVERLAY	OVERLAY	OVERLAY						
EQUIPMENT NAME:	CHERRY - COTTLE_LTE	CCSN010739	CCSN000739						
DISASTER PRIORITY:	3	3	0						
EQUIPMENT VENDOR:	ERICSSON	ERICSSON	ERICSSON						
EQUIPMENT TYPE (Model):	6601 RADIONODE 5216	BASEBAND 6648	BASEBAND 6630						
BASEBAND CONFIGURATION:	2x6601 / 1x5216 / 2xXMU	xxxxx / 1x6648 / xxxxx + IDLe	xxxxx / 1x6630 / xxxxx						
MARKET STATE CODE:	CC	CCS	CC,CCS						
NODE B NUMBER:	739	10739	4526,739						
SIDEHAUL SWITCH VENDOR:									
SIDEHAUL SWITCH MODEL:									
SIDEHAUL SWITCH NAME:									
SIDEHAUL SWITCH ADDITIONAL CARDS:									
UL-CoMP:									
CSS - CTS COMMON ID:	CCL00739	CCSN010739	CCSN000739						
CSS - SECONDARY FUNCTION ID:			CCL04526						

Section 8 - RBS/SECTOR ASSOCIATION - existing

	BBU 1	BBU 2	BBU 3	BBU 4
CTS Common ID	CNU0739_2	CNU3436_4	CCL00739	CCL04526,CCSN000739
Soft Sector IDs	CNU0739X	CNU3436T	CCL00739_2A_1	CCL04526_2A_3
	CNU0739Y	CNU3436U	CCL00739_2B_1	CCL04526_2B_3
	CNU0739Z	CNU3436V	CCL00739_2C_1	CCL04526_2C_3
			CCL00739_3A_1	CCL04526_9A_1
			CCL00739_3B_1	CCL04526_9B_1
			CCL00739_3C_1	CCL04526_9C_1
			CCL00739_7A_1	CCSN000739_N002A_1
			CCL00739_7A_3_F	CCSN000739_N002B_1
			CCL00739_7B_1	CCSN000739_N002C_1
			CCL00739_7B_3_F	CCSN000739_N066A_3
			CCL00739_7C_1	CCSN000739_N066B_3
			CCL00739_7C_3_F	CCSN000739_N066C_3

Section 8 - RBS/SECTOR ASSOCIATION - final

	BBU 1	BBU 2	BBU 3
CTS Common ID	CCL00739	CCSN010739	CCL04526,CCSN000739
Soft Sector IDs	CCL00739_3A_1	CCSN010739_N077A_1	CCL04526_2A_1
	CCL00739_3B_1	CCSN010739_N077B_1	CCL04526_2A_3
	CCL00739_3C_1	CCSN010739_N077C_1	CCL04526_2B_1
	CCL00739_7A_1		CCL04526_2B_3
	CCL00739_7A_3_F		CCL04526_2C_1
	CCL00739_7B_1		CCL04526_2C_3
	CCL00739_7B_3_F		CCL04526_9A_1
	CCL00739_7C_1		CCL04526_9B_1
	CCL00739_7C_3_F		CCL04526_9C_1
			CCSN000739_N002A_1
			CCSN000739_N002B_1
			CCSN000739_N002C_1
			CCSN000739_N005A_1
			CCSN000739_N005B_1
			CCSN000739_N005C_1
			CCSN000739_N066A_3
			CCSN000739_N066B_3
			CCSN000739_N066C_3

Section 9 - SOFT SECTOR ID - existing

	UMTS 1ST 850	UMTS 2ND 850	LTE 1ST 700	LTE 1ST 1900	LTE 1ST AWS	LTE 1ST WCS	LTE 2ND AWS	LTE 3RD 700	LTE 3RD AWS	5G 1ST 850	5G 1ST 1900	5G 1ST AWS	5G 1ST CBAND													
USEID (excluding Hard Sector)	13193.850.3G.1	13193.850.3G.4																								
SECTOR A SOFT SECTOR ID	CNU0739X	CNU3436T	CCL00739_7A_1	CCL04526_9A_1$G	CCL00739_2A_1	CCL00739_3A_1		CCL00739_7A_3_F	CCL04526_2A_3$G		CCSN000739_N002A_1$G	CCSN000739_N066A_3$G														
SECTOR B	CNU0739Y	CNU3436U	CCL00739_7B_1	CCL04526_9B_1$G	CCL00739_2B_1	CCL00739_3B_1		CCL00739_7B_3_F	CCL04526_2B_3$G		CCSN000739_N002B_1$G	CCSN000739_N066B_3$G														
SECTOR C	CNU0739Z	CNU3436V	CCL00739_7C_1	CCL04526_9C_1$G	CCL00739_2C_1	CCL00739_3C_1		CCL00739_7C_3_F	CCL04526_2C_3$G		CCSN000739_N002C_1$G	CCSN000739_N066C_3$G														
SECTOR D																										
SECTOR E																										
SECTOR F																										
OMNI																										

Section 9 - SOFT SECTOR ID - final

	UMTS 1ST 850	UMTS 2ND 850	LTE 1ST 700	LTE 1ST 1900	LTE 1ST AWS	LTE 1ST WCS	LTE 2ND AWS	LTE 3RD 700	LTE 3RD AWS	5G 1ST 850	5G 1ST 1900	5G 1ST AWS	5G 1ST CBAND													
USEID (excluding Hard Sector)																										
SECTOR A SOFT SECTOR ID			CCL00739_7A_1	CCL04526_9A_1		CCL00739_3A_1	CCL04526_2A_1	CCL00739_7A_3_F	CCL04526_2A_3	CCSN000739_N005A_1	CCSN000739_N002A_1	CCSN000739_N066A_3	CCSN010739_N077A_1														
SECTOR B			CCL00739_7B_1	CCL04526_9B_1		CCL00739_3B_1	CCL04526_2B_1	CCL00739_7B_3_F	CCL04526_2B_3	CCSN000739_N005B_1	CCSN000739_N002B_1	CCSN000739_N066B_3	CCSN010739_N077B_1														
SECTOR C			CCL00739_7C_1	CCL04526_9C_1		CCL00739_3C_1	CCL04526_2C_1	CCL00739_7C_3_F	CCL04526_2C_3	CCSN000739_N005C_1	CCSN000739_N002C_1	CCSN000739_N066C_3	CCSN010739_N077C_1														
SECTOR D																										
SECTOR E																										
SECTOR F																										
OMNI																										

Section 9 - Cell Number - existing

	UMTS 1ST 850	UMTS 2ND 850	LTE 1ST 700	LTE 1ST 1900	LTE 1ST AWS	LTE 1ST WCS	LTE 2ND AWS	LTE 3RD 700	LTE 3RD AWS	5G 1ST 850	5G 1ST 1900	5G 1ST AWS	5G 1ST CBAND												
USEID (excluding Hard Sector)	13193.850.3G.1	13193.850.3G.4																							
SECTOR A CELL NUMBER			15	8$G	22	149		171	185$G		26$G	27$G													
SECTOR B			16	9$G	23	150		172	186$G		50$G	51$G													
SECTOR C			17	10$G	24	151		173	187$G		74$G	75$G													
SECTOR D																									
SECTOR E																									
SECTOR F																									
OMNI																									

Section 9 - Cell Number - final

	UMTS 1ST 850	UMTS 2ND 850	LTE 1ST 700	LTE 1ST 1900	LTE 1ST AWS	LTE 1ST WCS	LTE 2ND AWS	LTE 3RD 700	LTE 3RD AWS	5G 1ST 850	5G 1ST 1900	5G 1ST AWS	5G 1ST CBAND												
USEID (excluding Hard Sector)																									
SECTOR A CELL NUMBER			15	8		149	22	171	185	27	26	27	28												
SECTOR B			16	9		150	23	172	186	51	50	51	52												
SECTOR C			17	10		151	24	173	187	75	74	75	76												
SECTOR D																									
SECTOR E																									
SECTOR F																									
OMNI																									

Section 10 - CID/SAC - existing

	UMTS 1ST 850	UMTS 2ND 850	LTE 1ST 700	LTE 1ST 1900	LTE 1ST AWS	LTE 1ST WCS	LTE 2ND AWS	LTE 3RD 700	LTE 3RD AWS	5G 1ST 850	5G 1ST 1900	5G 1ST AWS	5G 1ST CBAND													
SECTOR A CID/SAC	07394	34364																								
SECTOR B	07395	34365																								
SECTOR C	07396	34366																								
SECTOR D																										
SECTOR E																										
SECTOR F																										
OMNI																										

Section 10 - CID/SAC - final

	UMTS 1ST 850	UMTS 2ND 850	LTE 1ST 700	LTE 1ST 1900	LTE 1ST AWS	LTE 1ST WCS	LTE 2ND AWS	LTE 3RD 700	LTE 3RD AWS	5G 1ST 850	5G 1ST 1900	5G 1ST AWS	5G 1ST CBAND													
SECTOR A CID/SAC																										
SECTOR B																										
SECTOR C																										
SECTOR D																										
SECTOR E																										
SECTOR F																										
OMNI																										

Section 15A - CURRENT TOWER CONFIGURATION - SECTOR A (OR OMNI)

ANTENNA POSITION is LEFT to RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1		ANTENNA POSITION 2		ANTENNA POSITION 3		ANTENNA POSITION 4		ANTENNA POSITION 5		ANTENNA POSITION 6		ANTENNA POSITION 7	
ANTENNA MAKE - MODEL	JAHH-65A-R3B		NNHH-65A-R4		JAHH-65A-R3B									
ANTENNA VENDOR	Commscope		Commscope		Commscope									
ANTENNA SIZE (H x W x D)	55.1X13.8X8.2		55.1X19.6X7.8		55.1X13.8X8.2									
ANTENNA WEIGHT	52.9		67.2		52.9									
AZIMUTH	20		20		12									
MAGNETIC DECLINATION														
RADIATION CENTER (feet)	48		48		48									
ANTENNA TIP HEIGHT														
MECHANICAL DOWNTILT														
FEEDER AMOUNT	2													
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)														
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)														
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)														
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)														
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)														
Antenna RET Motor (QTY/MODEL)	3		4		3									
SURGE ARRESTOR (QTY/MODEL)														
DIPLEXER (QTY/MODEL)														
DUPLEXER (QTY/MODEL)														
Antenna RET CONTROL UNIT (QTY/MODEL)														
DC BLOCK (QTY/MODEL)														
TMA/LNA (QTY/MODEL)														
CURRENT INJECTORS FOR TMA (QTY/MODEL)														
PDU FOR TMAS (QTY/MODEL)														
FILTER (QTY/MODEL)														
SQUID (QTY/MODEL)														
FIBER TRUNK (QTY/MODEL)														
DC TRUNK (QTY/MODEL)														
REPEATER (QTY/MODEL)														
RRH - 700 band (QTY/MODEL)			1	4478 B14	1	RRUS-11 B12								
RRH - 850 band (QTY/MODEL)														
RRH - 1900 band (QTY/MODEL)					1	4415 B25								
RRH - AWS band (QTY/MODEL)	1	4426 B66												
RRH - WCS band (QTY/MODEL)			1	RRUS-32 B30										
Additional RRH #1 - any band (QTY/MODEL)														
Additional RRH #2 - any band (QTY/MODEL)														
RRH 7B 1 (QTY/MODEL)														
RRH 7B 2 (QTY/MODEL)														
RRH 7B 3 (QTY/MODEL)														
Additional Component 1 (QTY/MODEL)														
Additional Component 2 (QTY/MODEL)														
Additional Component 3 (QTY/MODEL)														
Local Market Note 1														
Local Market Note 2														
Local Market Note 3														

PORT SPECIFIC FIELDS	PORT NUMBER	USEID (CSSng)	USEID (Atoll)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RXAIT KIT MODULE?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCPA/MCPA MODULE?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)
ANTENNA POSITION 1	PORT 1					OFF	LTE																
	PORT 2					OFF	LTE																
	PORT 3					TxRx	UMTS 850		13.9				7/8 AVA	48									
	PORT 4					TxRx	UMTS 850		13.9				7/8 AVA	48									
	PORT 5					TxRx	LTE AWS		18.5			top	FIBER										

	PORT 6					TxRx	LTE AWS		18.5			top	FIBER										
	PORT 7					TxRx	LTE AWS		18.5			top	FIBER										
	PORT 8					TxRx	LTE AWS		18.5			top	FIBER										
	PORT 1					TxRx	LTE 700		13.4			top	FIBER										
	PORT 2					TxRx	LTE 700		13.4			top	FIBER										
	PORT 3					TxRx	LTE 700		13.4			top	FIBER										
	PORT 4					TxRx	LTE 700		13.4			top	FIBER										
ANTENNA POSITION 2	PORT 5					TxRx	LTE WCS		18.3			top	FIBER										
	PORT 6					TxRx	LTE WCS		18.3			top	FIBER										
	PORT 7					TxRx	LTE WCS		18.3			top	FIBER										
	PORT 8					TxRx	LTE WCS		18.3			top	FIBER										
	PORT 1					TxRx	LTE 700		13.4			top	FIBER										
	PORT 2					TxRx	LTE 700		13.4			top	FIBER										
	PORT 3					OFF	LTE																
	PORT 4					OFF	LTE																
ANTENNA POSITION 3	PORT 5					TxRx	LTE 1900		17.8			top	FIBER										
	PORT 6					TxRx	LTE 1900		17.8			top	FIBER										
	PORT 7					TxRx	LTE 1900		17.8			top	FIBER										
	PORT 8					TxRx	LTE 1900		17.8			top	FIBER										

Section 15B - CURRENT TOWER CONFIGURATION - SECTOR B

ANTENNA POSITION is LEFT to RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1	ANTENNA POSITION 2	ANTENNA POSITION 3	ANTENNA POSITION 4	ANTENNA POSITION 5	ANTENNA POSITION 6	ANTENNA POSITION 7
ANTENNA MAKE - MODEL	JAHH-65A-R3B	NNHH-65A-R4	JAHH-65A-R3B				
ANTENNA VENDOR	Commscope	Commscope	Commscope				
ANTENNA SIZE (H x W x D)	55.1X13.8X8.2	55.1X19.6X7.8	55.1X13.8X8.2				
ANTENNA WEIGHT	52.9	67.2	52.9				
AZIMUTH	260	260	237				
MAGNETIC DECLINATION							
RADIATION CENTER (feet)	48	48	48				
ANTENNA TIP HEIGHT							
MECHANICAL DOWNTILT							
FEEDER AMOUNT	2						
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)							
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)							
Antenna RET Motor (QTY/MODEL)	3	4	3				
SURGE ARRESTOR (QTY/MODEL)							
DIPLEXER (QTY/MODEL)							
DUPLEXER (QTY/MODEL)							
Antenna RET CONTROL UNIT (QTY/MODEL)							
DC BLOCK (QTY/MODEL)							
TMA/LNA (QTY/MODEL)							
CURRENT INJECTORS FOR TMA (QTY/MODEL)							
PDU FOR TMAS (QTY/MODEL)							
FILTER (QTY/MODEL)							
SQUID (QTY/MODEL)							
FIBER TRUNK (QTY/MODEL)							
DC TRUNK (QTY/MODEL)							
REPEATER (QTY/MODEL)							
RRH - 700 band (QTY/MODEL)	1 4478 B14		1 RRUS-11 B12				
RRH - 850 band (QTY/MODEL)							
RRH - 1900 band (QTY/MODEL)			1 4415 B25				
RRH - AWS band (QTY/MODEL)	1 4426 B66						
RRH - WCS band (QTY/MODEL)	1 RRUS-32 B30						
Additional RRH #1 - any band (QTY/MODEL)							
Additional RRH #2 - any band (QTY/MODEL)							
RRH 7B 1 (QTY/MODEL)							
RRH 7B 2 (QTY/MODEL)							
RRH 7B 3 (QTY/MODEL)							
Additional Component 1 (QTY/MODEL)							
Additional Component 2 (QTY/MODEL)							
Additional Component 3 (QTY/MODEL)							
Local Market Note 1							
Local Market Note 2							
Local Market Note 3							

PORT SPECIFIC FIELDS	PORT NUMBER	USEID (CSSng)	USEID (Atoll)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RXAIT KIT MODULE?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCPA/MCPA MODULE?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)
ANTENNA POSITION 1	PORT 1					OFF	LTE																
	PORT 2					OFF	LTE																
	PORT 3					TxRx	UMTS 850		13.9				7/8 AVA	48									
	PORT 4					TxRx	UMTS 850		13.9				7/8 AVA	48									
	PORT 5					TxRx	LTE AWS		18.5			top	FIBER										

	PORT 6					TxRx	LTE AWS		18.5			top	FIBER										
	PORT 7					TxRx	LTE AWS		18.5			top	FIBER										
	PORT 8					TxRx	LTE AWS		18.5			top	FIBER										
	PORT 1					TxRx	LTE 700		13.4			top	FIBER										
	PORT 2					TxRx	LTE 700		13.4			top	FIBER										
	PORT 3					TxRx	LTE 700		13.4			top	FIBER										
	PORT 4					TxRx	LTE 700		13.4			top	FIBER										
ANTENNA POSITION 2	PORT 5					TxRx	LTE WCS		18.3			top	FIBER										
	PORT 6					TxRx	LTE WCS		18.3			top	FIBER										
	PORT 7					TxRx	LTE WCS		18.3			top	FIBER										
	PORT 8					TxRx	LTE WCS		18.3			top	FIBER										
	PORT 1					TxRx	LTE 700		13.4			top	FIBER										
	PORT 2					TxRx	LTE 700		13.4			top	FIBER										
	PORT 3					OFF	LTE																
	PORT 4					OFF	LTE																
ANTENNA POSITION 3	PORT 5					TxRx	LTE 1900		17.8			top	FIBER										
	PORT 6					TxRx	LTE 1900		17.8			top	FIBER										
	PORT 7					TxRx	LTE 1900		17.8			top	FIBER										
	PORT 8					TxRx	LTE 1900		17.8			top	FIBER										

Section 15C - CURRENT TOWER CONFIGURATION - SECTOR C

ANTENNA POSITION is LEFT to RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1		ANTENNA POSITION 2		ANTENNA POSITION 3		ANTENNA POSITION 4		ANTENNA POSITION 5		ANTENNA POSITION 6		ANTENNA POSITION 7	
ANTENNA MAKE - MODEL	JAHH-65A-R3B		NNHH-65A-R4		JAHH-65A-R3B									
ANTENNA VENDOR	Commscope		Commscope		Commscope									
ANTENNA SIZE (H x W x D)	55.1X13.8X8.2		55.1X19.6X7.8		55.1X13.8X8.2									
ANTENNA WEIGHT	52.9		67.2		52.9									
AZIMUTH	140		140		121									
MAGNETIC DECLINATION														
RADIATION CENTER (feet)	48		48		48									
ANTENNA TIP HEIGHT														
MECHANICAL DOWNTILT														
FEEDER AMOUNT	2													
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)														
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)														
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)														
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)														
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)														
Antenna RET Motor (QTY/MODEL)	3		4		3									
SURGE ARRESTOR (QTY/MODEL)														
DIPLEXER (QTY/MODEL)														
DUPLEXER (QTY/MODEL)														
Antenna RET CONTROL UNIT (QTY/MODEL)														
DC BLOCK (QTY/MODEL)														
TMA/LNA (QTY/MODEL)														
CURRENT INJECTORS FOR TMA (QTY/MODEL)														
PDU FOR TMAS (QTY/MODEL)														
FILTER (QTY/MODEL)														
SQUID (QTY/MODEL)														
FIBER TRUNK (QTY/MODEL)														
DC TRUNK (QTY/MODEL)														
REPEATER (QTY/MODEL)														
RRH - 700 band (QTY/MODEL)			1	4478 B14	1	RRUS-11 B12								
RRH - 850 band (QTY/MODEL)														
RRH - 1900 band (QTY/MODEL)					1	4415 B25								
RRH - AWS band (QTY/MODEL)	1	4426 B66												
RRH - WCS band (QTY/MODEL)			1	RRUS-32 B30										
Additional RRH #1 - any band (QTY/MODEL)														
Additional RRH #2 - any band (QTY/MODEL)														
RRH 7B 1 (QTY/MODEL)														
RRH 7B 2 (QTY/MODEL)														
RRH 7B 3 (QTY/MODEL)														
Additional Component 1 (QTY/MODEL)														
Additional Component 2 (QTY/MODEL)														
Additional Component 3 (QTY/MODEL)														
Local Market Note 1														
Local Market Note 2														
Local Market Note 3														

PORT SPECIFIC FIELDS	PORT NUMBER	USEID (CSSng)	USEID (Atoll)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RXAIT KIT MODULE?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCPA/MCPA MODULE?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)
ANTENNA POSITION 1	PORT 1					OFF	LTE																
	PORT 2					OFF	LTE																
	PORT 3					TxRx	UMTS 850		13.9				7/8 AVA	48									
	PORT 4					TxRx	UMTS 850		13.9				7/8 AVA	48									
	PORT 5					TxRx	LTE AWS		18.5			top	FIBER										

	PORT 6					TxRx	LTE AWS		18.5			top	FIBER										
	PORT 7					TxRx	LTE AWS		18.5			top	FIBER										
	PORT 8					TxRx	LTE AWS		18.5			top	FIBER										
	PORT 1					TxRx	LTE 700		13.4			top	FIBER										
	PORT 2					TxRx	LTE 700		13.4			top	FIBER										
	PORT 3					TxRx	LTE 700		13.4			top	FIBER										
	PORT 4					TxRx	LTE 700		13.4			top	FIBER										
ANTENNA POSITION 2	PORT 5					TxRx	LTE WCS		18.3			top	FIBER										
	PORT 6					TxRx	LTE WCS		18.3			top	FIBER										
	PORT 7					TxRx	LTE WCS		18.3			top	FIBER										
	PORT 8					TxRx	LTE WCS		18.3			top	FIBER										
	PORT 1					TxRx	LTE 700		13.4			top	FIBER										
	PORT 2					TxRx	LTE 700		13.4			top	FIBER										
	PORT 3					OFF	LTE																
	PORT 4					OFF	LTE																
ANTENNA POSITION 3	PORT 5					TxRx	LTE 1900		17.8			top	FIBER										
	PORT 6					TxRx	LTE 1900		17.8			top	FIBER										
	PORT 7					TxRx	LTE 1900		17.8			top	FIBER										
	PORT 8					TxRx	LTE 1900		17.8			top	FIBER										

Section 16A - PLANNED/PROPOSED TOWER CONFIGURATION - SECTOR A (OR OMNI)

ANTENNA POSITION is LEFT to RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1	ANTENNA POSITION 2	ANTENNA POSITION 3	ANTENNA POSITION 4	ANTENNA POSITION 5	ANTENNA POSITION 6	ANTENNA POSITION 7
Existing Antenna?	No	Yes	No				
ANTENNA MAKE - MODEL	AIR6449 B77D	NNHH-65A-R4	NNH4-65A-R6H4				
ANTENNA VENDOR	Ericsson	Commscope	Commscope				
ANTENNA SIZE (H x W x D)	30.4X15.9X8.1	55.1X19.6X7.8	59X19.6X7.8				
ANTENNA WEIGHT	81.6	67.2	72.8				
AZIMUTH	20	20	20				
MAGNETIC DECLINATION							
RADIATION CENTER (feet)	48	48	48				
ANTENNA TIP HEIGHT							
MECHANICAL DOWNTILT							
FEEDER AMOUNT		2					
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)							
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)							
Antenna RET Motor (QTY/MODEL)		4 In Built RET	6 In Built RET				
SURGE ARRESTOR (QTY/MODEL)							
DIPLEXER (QTY/MODEL)							
DUPLEXER (QTY/MODEL)							
Antenna RET CONTROL UNIT (QTY/MODEL)							
DC BLOCK (QTY/MODEL)							
TMA/LNA (QTY/MODEL)							
CURRENT INJECTORS FOR TMA (QTY/MODEL)							
PDU FOR TMAS (QTY/MODEL)							
FILTER (QTY/MODEL)							
SQUID (QTY/MODEL)							
FIBER TRUNK (QTY/MODEL)							
DC TRUNK (QTY/MODEL)							
REPEATER (QTY/MODEL)							
RRH - 700 band (QTY/MODEL)			1 4449 B5/B12				
RRH - 850 band (QTY/MODEL)			RRH is shared with another band				
RRH - 1900 band (QTY/MODEL)							
RRH - AWS band (QTY/MODEL)			1 4426 B66				
RRH - WCS band (QTY/MODEL)							
Additional RRH #1 - any band (QTY/MODEL)	1 integrated within: AIR6449 B77D						
Additional RRH #2 - any band (QTY/MODEL)							
RRH 7B 1 (QTY/MODEL)							
RRH 7B 2 (QTY/MODEL)							
RRH 7B 3 (QTY/MODEL)							
Additional Component 1 (QTY/MODEL)							
Additional Component 2 (QTY/MODEL)							
Additional Component 3 (QTY/MODEL)							
Local Market Note 1							
Local Market Note 2							
Local Market Note 3							

PORT SPECIFIC FIELDS	PORT NUMBER	USEID (CSSng)	USEID (Atoll)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RXAIT KIT MODULE?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCPA/MCPA MODULE?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)
ANTENNA POSITION 1	PORT 1					TxRx	5G CBAND				0	INTEGRATED	FIBER										
	PORT 2					TxRx	5G CBAND				0	INTEGRATED	FIBER										
ANTENNA POSITION 2	PORT 1					TxRx	LTE 700		13.74		0	top	FIBER										

	PORT 2					TxRx	LTE 700		13.74		0	top	FIBER										
	PORT 3					TxRx	LTE 700		13.24		0	top	FIBER										
	PORT 4					TxRx	LTE 700		13.24		0	top	FIBER										
	PORT 5					TxRx	LTE WCS		18.3		0	top	FIBER										
	PORT 6					TxRx	LTE WCS		18.3		0	top	FIBER										
	PORT 7					TxRx	LTE WCS		18.3		0	top	FIBER										
	PORT 8					TxRx	LTE WCS		18.3		0	top	FIBER										
ANTENNA POSITION 3	**PORT 1**					TxRx	LTE 700		13.24			top	FIBER										
	PORT 2					TxRx	LTE 700		13.24			top	FIBER										
	PORT 3					TxRx	LTE 700		13.74			top	FIBER										
	PORT 4					TxRx	LTE 700		13.74			top	FIBER										
	PORT 5					TxRx	LTE 1900		17			top	FIBER										
	PORT 6					TxRx	LTE 1900		17			top	FIBER										
	PORT 7					TxRx	LTE 1900		17			top	FIBER										
	PORT 8					TxRx	LTE 1900		17			top	FIBER										
	PORT 9					TxRx	LTE AWS		17.6		0	top	FIBER										
	PORT 10					TxRx	LTE AWS		17.6		0	top	FIBER										
	PORT 11					TxRx	LTE AWS		17.6		0	top	FIBER										
	PORT 12					TxRx	LTE AWS		17.6		0	top	FIBER										

Section 16B - PLANNED/PROPOSED TOWER CONFIGURATION - SECTOR B

ANTENNA POSITION is LEFT to RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1	ANTENNA POSITION 2	ANTENNA POSITION 3	ANTENNA POSITION 4	ANTENNA POSITION 5	ANTENNA POSITION 6	ANTENNA POSITION 7
Existing Antenna?	No	Yes	No				
ANTENNA MAKE - MODEL	AIR6449 B77D	NNHH-65A-R4	NNH4-65A-R6H4				
ANTENNA VENDOR	Ericsson	Commscope	Commscope				
ANTENNA SIZE (H x W x D)	30.4X15.9X8.1	55.1X19.6X7.8	59X19.6X7.8				
ANTENNA WEIGHT	81.6	67.2	72.8				
AZIMUTH	260	260	260				
MAGNETIC DECLINATION							
RADIATION CENTER (feet)	48	48	48				
ANTENNA TIP HEIGHT							
MECHANICAL DOWNTILT							
FEEDER AMOUNT		2					
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)							
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)							
Antenna RET Motor (QTY/MODEL)		4 In Built RET	6 In Built RET				
SURGE ARRESTOR (QTY/MODEL)							
DIPLEXER (QTY/MODEL)							
DUPLEXER (QTY/MODEL)							
Antenna RET CONTROL UNIT (QTY/MODEL)							
DC BLOCK (QTY/MODEL)							
TMA/LNA (QTY/MODEL)							
CURRENT INJECTORS FOR TMA (QTY/MODEL)							
PDU FOR TMAS (QTY/MODEL)							
FILTER (QTY/MODEL)							
SQUID (QTY/MODEL)							
FIBER TRUNK (QTY/MODEL)							
DC TRUNK (QTY/MODEL)							
REPEATER (QTY/MODEL)							
RRH - 700 band (QTY/MODEL)			1 4449 B5/B12				
RRH - 850 band (QTY/MODEL)			RRH is shared with another band				
RRH - 1900 band (QTY/MODEL)							
RRH - AWS band (QTY/MODEL)			1 4426 B66				
RRH - WCS band (QTY/MODEL)							
Additional RRH #1 - any band (QTY/MODEL)	1 integrated within: AIR6449 B77D						
Additional RRH #2 - any band (QTY/MODEL)							
RRH 7B 1 (QTY/MODEL)							
RRH 7B 2 (QTY/MODEL)							
RRH 7B 3 (QTY/MODEL)							
Additional Component 1 (QTY/MODEL)							
Additional Component 2 (QTY/MODEL)							
Additional Component 3 (QTY/MODEL)							
Local Market Note 1							
Local Market Note 2							
Local Market Note 3							

PORT SPECIFIC FIELDS	PORT NUMBER	USEID (CSSng)	USEID (Atoll)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RXAIT KIT MODULE?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCPA/MCPA MODULE?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)
ANTENNA POSITION 1	PORT 1					TxRx	5G CBAND				0	INTEGRATED	FIBER										
	PORT 2					TxRx	5G CBAND				0	INTEGRATED	FIBER										
ANTENNA POSITION 2	PORT 1					TxRx	LTE 700		13.74		0	top	FIBER										

	PORT 2					TxRx	LTE 700		13.74		0	top	FIBER										
	PORT 3					TxRx	LTE 700		13.24		0	top	FIBER										
	PORT 4					TxRx	LTE 700		13.24		0	top	FIBER										
	PORT 5					TxRx	LTE WCS		18.3		0	top	FIBER										
	PORT 6					TxRx	LTE WCS		18.3		0	top	FIBER										
	PORT 7					TxRx	LTE WCS		18.3		0	top	FIBER										
	PORT 8					TxRx	LTE WCS		18.3		0	top	FIBER										
ANTENNA POSITION 3	**PORT 1**					TxRx	LTE 700		13.24			top	FIBER										
	PORT 2					TxRx	LTE 700		13.24			top	FIBER										
	PORT 3					TxRx	LTE 700		13.74			top	FIBER										
	PORT 4					TxRx	LTE 700		13.74			top	FIBER										
	PORT 5					TxRx	LTE 1900		17			top	FIBER										
	PORT 6					TxRx	LTE 1900		17			top	FIBER										
	PORT 7					TxRx	LTE 1900		17			top	FIBER										
	PORT 8					TxRx	LTE 1900		17			top	FIBER										
	PORT 9					TxRx	LTE AWS		17.6		0	top	FIBER										
	PORT 10					TxRx	LTE AWS		17.6		0	top	FIBER										
	PORT 11					TxRx	LTE AWS		17.6		0	top	FIBER										
	PORT 12					TxRx	LTE AWS		17.6		0	top	FIBER										

Section 16C - PLANNED/PROPOSED TOWER CONFIGURATION - SECTOR C

ANTENNA POSITION is LEFT to RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1	ANTENNA POSITION 2	ANTENNA POSITION 3	ANTENNA POSITION 4	ANTENNA POSITION 5	ANTENNA POSITION 6	ANTENNA POSITION 7
Existing Antenna?	No	Yes	No				
ANTENNA MAKE - MODEL	AIR6449 B77D	NNHH-65A-R4	NNH4-65A-R6H4				
ANTENNA VENDOR	Ericsson	Commscope	Commscope				
ANTENNA SIZE (H x W x D)	30.4X15.9X8.1	55.1X19.6X7.8	59X19.6X7.8				
ANTENNA WEIGHT	81.6	67.2	72.8				
AZIMUTH	140	140	140				
MAGNETIC DECLINATION							
RADIATION CENTER (feet)	48	48	48				
ANTENNA TIP HEIGHT							
MECHANICAL DOWNTILT							
FEEDER AMOUNT		2					
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)							
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)							
Antenna RET Motor (QTY/MODEL)		4 In Built RET	6 In Built RET				
SURGE ARRESTOR (QTY/MODEL)							
DIPLEXER (QTY/MODEL)							
DUPLEXER (QTY/MODEL)							
Antenna RET CONTROL UNIT (QTY/MODEL)							
DC BLOCK (QTY/MODEL)							
TMA/LNA (QTY/MODEL)							
CURRENT INJECTORS FOR TMA (QTY/MODEL)							
PDU FOR TMAS (QTY/MODEL)							
FILTER (QTY/MODEL)							
SQUID (QTY/MODEL)							
FIBER TRUNK (QTY/MODEL)							
DC TRUNK (QTY/MODEL)							
REPEATER (QTY/MODEL)							
RRH - 700 band (QTY/MODEL)			1 4449 B5/B12				
RRH - 850 band (QTY/MODEL)			RRH is shared with another band				
RRH - 1900 band (QTY/MODEL)							
RRH - AWS band (QTY/MODEL)			1 4426 B66				
RRH - WCS band (QTY/MODEL)							
Additional RRH #1 - any band (QTY/MODEL)	1 integrated within: AIR6449 B77D						
Additional RRH #2 - any band (QTY/MODEL)							
RRH 7B 1 (QTY/MODEL)							
RRH 7B 2 (QTY/MODEL)							
RRH 7B 3 (QTY/MODEL)							
Additional Component 1 (QTY/MODEL)							
Additional Component 2 (QTY/MODEL)							
Additional Component 3 (QTY/MODEL)							
Local Market Note 1							
Local Market Note 2							
Local Market Note 3							

PORT SPECIFIC FIELDS	PORT NUMBER	USEID (CSSng)	USEID (Atoll)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RXAIT KIT MODULE?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCPA/MCPA MODULE?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)
ANTENNA POSITION 1	PORT 1					TxRx	5G CBAND				0	INTEGRATED	FIBER										
	PORT 2					TxRx	5G CBAND				0	INTEGRATED	FIBER										
ANTENNA POSITION 2	PORT 1					TxRx	LTE 700		13.74		0	top	FIBER										

	PORT 2					TxRx	LTE 700		13.74		0	top	FIBER										
	PORT 3					TxRx	LTE 700		13.24		0	top	FIBER										
	PORT 4					TxRx	LTE 700		13.24		0	top	FIBER										
	PORT 5					TxRx	LTE WCS		18.3		0	top	FIBER										
	PORT 6					TxRx	LTE WCS		18.3		0	top	FIBER										
	PORT 7					TxRx	LTE WCS		18.3		0	top	FIBER										
	PORT 8					TxRx	LTE WCS		18.3		0	top	FIBER										
ANTENNA POSITION 3	**PORT 1**					TxRx	LTE 700		13.24			top	FIBER										
	PORT 2					TxRx	LTE 700		13.24			top	FIBER										
	PORT 3					TxRx	LTE 700		13.74			top	FIBER										
	PORT 4					TxRx	LTE 700		13.74			top	FIBER										
	PORT 5					TxRx	LTE 1900		17			top	FIBER										
	PORT 6					TxRx	LTE 1900		17			top	FIBER										
	PORT 7					TxRx	LTE 1900		17			top	FIBER										
	PORT 8					TxRx	LTE 1900		17			top	FIBER										
	PORT 9					TxRx	LTE AWS		17.6		0	top	FIBER										
	PORT 10					TxRx	LTE AWS		17.6		0	top	FIBER										
	PORT 11					TxRx	LTE AWS		17.6		0	top	FIBER										
	PORT 12					TxRx	LTE AWS		17.6		0	top	FIBER										

Section 17A - FINAL TOWER CONFIGURATION - SECTOR A (OR OMNI)

ANTENNA POSITION is LEFT to RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1		ANTENNA POSITION 2		ANTENNA POSITION 3		ANTENNA POSITION 4		ANTENNA POSITION 5		ANTENNA POSITION 6		ANTENNA POSITION 7	
ANTENNA MAKE - MODEL	AIR6449 B77D		NNHH-65A-R4		NNH4-65A-R6H4									
ANTENNA VENDOR	Ericsson		Commscope		Commscope									
ANTENNA SIZE (H x W x D)	30.4X15.9X8.1		55.1X19.6X7.8		59X19.6X7.8									
ANTENNA WEIGHT	81.6		67.2		72.8									
AZIMUTH	20		20		20									
MAGNETIC DECLINATION														
RADIATION CENTER (feet)	48		48		48									
ANTENNA TIP HEIGHT														
MECHANICAL DOWNTILT			0		0									
FEEDER AMOUNT			2											
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)														
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)														
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)														
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)														
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)														
Antenna RET Motor (QTY/MODEL)		Internal	4	In Built RET	6	In Built RET								
SURGE ARRESTOR (QTY/MODEL)														
DIPLEXER (QTY/MODEL)														
DUPLEXER (QTY/MODEL)														
Antenna RET CONTROL UNIT (QTY/MODEL)														
DC BLOCK (QTY/MODEL)														
TMA/LNA (QTY/MODEL)														
CURRENT INJECTORS FOR TMA (QTY/MODEL)														
PDU FOR TMAS (QTY/MODEL)														
FILTER (QTY/MODEL)														
SQUID (QTY/MODEL)														
FIBER TRUNK (QTY/MODEL)														
DC TRUNK (QTY/MODEL)														
REPEATER (QTY/MODEL)														
RRH - 700 band (QTY/MODEL)			1	4478 B14	1	4449 B5/B12								
RRH - 850 band (QTY/MODEL)						RRH is shared with another band								
RRH - 1900 band (QTY/MODEL)					1	4415 B25								
RRH - AWS band (QTY/MODEL)					1	4426 B66								
RRH - WCS band (QTY/MODEL)			1	RRUS-32 B30										
Additional RRH #1 - any band (QTY/MODEL)	1	integrated within: AIR6449 B77D												
Additional RRH #2 - any band (QTY/MODEL)														
RRH 7B 1 (QTY/MODEL)														
RRH 7B 2 (QTY/MODEL)														
RRH 7B 3 (QTY/MODEL)														
Additional Component 1 (QTY/MODEL)														
Additional Component 2 (QTY/MODEL)														
Additional Component 3 (QTY/MODEL)														
Local Market Note 1														
Local Market Note 2														
Local Market Note 3														

PORT SPECIFIC FIELDS	PORT NUMBER	USEID (CSSng)	USEID (Atoll)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RXAIT KIT MODULE?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCPA/MCPA MODULE?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)
ANTENNA POSITION 1	PORT 1	13193.A.CBAND.5G.2			_013193_N077A_1	TxRx	5G CBAND					INTEGRATED	FIBER										
	PORT 2	13193.A.CBAND.5G.2				TxRx	5G CBAND					INTEGRATED	FIBER										
ANTENNA POSITION 2	PORT 1	13193.A.700.4G.3		CCL00739_7A_3_F	CCL00739_7A_3_F	TxRx	LTE 700		13.74		0	top	FIBER										
	PORT 2	13193.A.700.4G.3		CCL00739_7A_3_F	CCL00739_7A_3_F	TxRx	LTE 700		13.74		0	top	FIBER										

	PORT 3	13193.A.700.4G.1, 13193.A.700.4G.3		CCL00739_7A_3_F	CCL00739_7A_3_F	TxRx	LTE 700		13.24		0	top	FIBER										
	PORT 4	13193.A.700.4G.1, 13193.A.700.4G.3		CCL00739_7A_3_F	CCL00739_7A_3_F	TxRx	LTE 700		13.24		0	top	FIBER										
	PORT 5	13193.A.WCS.4G.1		CCL00739_3A_1	CCL00739_3A_1	TxRx	LTE WCS		18.3		0	top	FIBER										
	PORT 6	13193.A.WCS.4G.1		CCL00739_3A_1	CCL00739_3A_1	TxRx	LTE WCS		18.3		0	top	FIBER										
	PORT 7	13193.A.WCS.4G.1		CCL00739_3A_1	CCL00739_3A_1	TxRx	LTE WCS		18.3		0	top	FIBER										
	PORT 8	13193.A.WCS.4G.1		CCL00739_3A_1	CCL00739_3A_1	TxRx	LTE WCS		18.3		0	top	FIBER										
ANTENNA POSITION 3	**PORT 1**	13193.A.850.5G.1, 13193.A.700.4G.1		CCL00739_7A_1,CCSN000739_N005A_1	CCL00739_7A_1,CCSN000739_N005A_1	TxRx	LTE 700,5G 850		13.24			top	FIBER										
	PORT 2	13193.A.700.4G.1, 13193.A.850.5G.1		CCL00739_7A_1,CCSN000739_N005A_1	CCL00739_7A_1,CCSN000739_N005A_1	TxRx	LTE 700,5G 850		13.24			top	FIBER										
	PORT 3	13193.A.850.5G.1, 13193.A.700.4G.1		CCL00739_7A_1,CCSN000739_N005A_1	CCL00739_7A_1,CCSN000739_N005A_1	TxRx	LTE 700,5G 850		13.74			top	FIBER										
	PORT 4	13193.A.700.4G.1, 13193.A.850.5G.1		CCL00739_7A_1,CCSN000739_N005A_1	CCL00739_7A_1,CCSN000739_N005A_1	TxRx	LTE 700,5G 850		13.74			top	FIBER										
	PORT 5	13193.A.1900.5G.1, 13193.A.1900.4G.2		CCSN000739_N002A_1,CCL04526_9A_1	CCSN000739_N002A_1,CCL04526_9A_1	TxRx	LTE 1900,5G 1900		17			top	FIBER										
	PORT 6	13193.A.1900.4G.2, 13193.A.1900.5G.1		CCSN000739_N002A_1,CCL04526_9A_1	CCSN000739_N002A_1,CCL04526_9A_1	TxRx	LTE 1900,5G 1900		17			top	FIBER										
	PORT 7	13193.A.1900.5G.1, 13193.A.1900.4G.2		CCSN000739_N002A_1,CCL04526_9A_1	CCSN000739_N002A_1,CCL04526_9A_1	TxRx	LTE 1900,5G 1900		17			top	FIBER										
	PORT 8	13193.A.1900.4G.2, 13193.A.1900.5G.1		CCSN000739_N002A_1,CCL04526_9A_1	CCSN000739_N002A_1,CCL04526_9A_1	TxRx	LTE 1900,5G 1900		17			top	FIBER										
	PORT 9	13193.A.AWS.5G.1				TxRx	LTE AWS,5G AWS		17.6			top	FIBER										
	PORT 10	13193.A.AWS.4G.5, 13193.A.AWS.4G.4				TxRx	LTE AWS,5G AWS		17.6			top	FIBER										
	PORT 11	13193.A.AWS.5G.1				TxRx	LTE AWS,5G AWS		17.6			top	FIBER										
	PORT 12	13193.A.AWS.4G.5				TxRx	LTE AWS,5G AWS		17.6			top	FIBER										

Section 17B - FINAL TOWER CONFIGURATION - SECTOR B

ANTENNA POSITION is LEFT to RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1	ANTENNA POSITION 2	ANTENNA POSITION 3	ANTENNA POSITION 4	ANTENNA POSITION 5	ANTENNA POSITION 6	ANTENNA POSITION 7
ANTENNA MAKE - MODEL	AIR6449 B77D	NNHH-65A-R4	NNH4-65A-R6H4				
ANTENNA VENDOR	Ericsson	Commscope	Commscope				
ANTENNA SIZE (H x W x D)	30.4X15.9X8.1	55.1X19.6X7.8	59X19.6X7.8				
ANTENNA WEIGHT	81.6	67.2	72.8				
AZIMUTH	260	260	260				
MAGNETIC DECLINATION							
RADIATION CENTER (feet)	48	48	48				
ANTENNA TIP HEIGHT							
MECHANICAL DOWNTILT		0	0				
FEEDER AMOUNT		2					
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)							
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)							
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)							
Antenna RET Motor (QTY/MODEL)	Internal	4 In Built RET	6 In Built RET				
SURGE ARRESTOR (QTY/MODEL)							
DIPLEXER (QTY/MODEL)							
DUPLEXER (QTY/MODEL)							
Antenna RET CONTROL UNIT (QTY/MODEL)							
DC BLOCK (QTY/MODEL)							
TMA/LNA (QTY/MODEL)							
CURRENT INJECTORS FOR TMA (QTY/MODEL)							
PDU FOR TMAS (QTY/MODEL)							
FILTER (QTY/MODEL)							
SQUID (QTY/MODEL)							
FIBER TRUNK (QTY/MODEL)							
DC TRUNK (QTY/MODEL)							
REPEATER (QTY/MODEL)							
RRH - 700 band (QTY/MODEL)		1 4478 B14	1 4449 B5/B12				
RRH - 850 band (QTY/MODEL)			RRH is shared with another band				
RRH - 1900 band (QTY/MODEL)			1 4415 B25				
RRH - AWS band (QTY/MODEL)			1 4426 B66				
RRH - WCS band (QTY/MODEL)		1 RRUS-32 B30					
Additional RRH #1 - any band (QTY/MODEL)	1 integrated within: AIR6449 B77D						
Additional RRH #2 - any band (QTY/MODEL)							
RRH 7B 1 (QTY/MODEL)							
RRH 7B 2 (QTY/MODEL)							
RRH 7B 3 (QTY/MODEL)							
Additional Component 1 (QTY/MODEL)							
Additional Component 2 (QTY/MODEL)							
Additional Component 3 (QTY/MODEL)							
Local Market Note 1							
Local Market Note 2							
Local Market Note 3							

PORT SPECIFIC FIELDS	PORT NUMBER	USEID (CSSng)	USEID (Atoll)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RXAIT KIT MODULE?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCPA/MCPA MODULE?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)
ANTENNA POSITION 1	PORT 1	13193.B.CBAND.5G.2			_013193_N077B_1	TxRx	5G CBAND					INTEGRATED	FIBER										
	PORT 2	13193.B.CBAND.5G.2				TxRx	5G CBAND					INTEGRATED	FIBER										
ANTENNA POSITION 2	PORT 1	13193.B.700.4G.3		CCL00739_7B_3_F	CCL00739_7B_3_F	TxRx	LTE 700		13.74		0	top	FIBER										
	PORT 2	13193.B.700.4G.3		CCL00739_7B_3_F	CCL00739_7B_3_F	TxRx	LTE 700		13.74		0	top	FIBER										

	PORT 3	13193.B.700.4G.1, 13193.B.700.4G.3		CCL00739_7B_3_F	CCL00739_7B_3_F	TxRx	LTE 700		13.24		0	top	FIBER										
	PORT 4	13193.B.700.4G.1, 13193.B.700.4G.3		CCL00739_7B_3_F	CCL00739_7B_3_F	TxRx	LTE 700		13.24		0	top	FIBER										
	PORT 5	13193.B.WCS.4G.1		CCL00739_3B_1	CCL00739_3B_1	TxRx	LTE WCS		18.3		0	top	FIBER										
	PORT 6	13193.B.WCS.4G.1		CCL00739_3B_1	CCL00739_3B_1	TxRx	LTE WCS		18.3		0	top	FIBER										
	PORT 7	13193.B.WCS.4G.1		CCL00739_3B_1	CCL00739_3B_1	TxRx	LTE WCS		18.3		0	top	FIBER										
	PORT 8	13193.B.WCS.4G.1		CCL00739_3B_1	CCL00739_3B_1	TxRx	LTE WCS		18.3		0	top	FIBER										
ANTENNA POSITION 3	**PORT 1**	13193.B.850.5G.1, 13193.B.700.4G.1		CCL00739_7B_1,CCSN000739_N005B_1	CCL00739_7B_1,CCSN000739_N005B_1	TxRx	LTE 700,5G 850		13.24			top	FIBER										
	PORT 2	13193.B.700.4G.1, 13193.B.850.5G.1		CCL00739_7B_1,CCSN000739_N005B_1	CCL00739_7B_1,CCSN000739_N005B_1	TxRx	LTE 700,5G 850		13.24			top	FIBER										
	PORT 3	13193.B.850.5G.1, 13193.B.700.4G.1		CCL00739_7B_1,CCSN000739_N005B_1	CCL00739_7B_1,CCSN000739_N005B_1	TxRx	LTE 700,5G 850		13.74			top	FIBER										
	PORT 4	13193.B.700.4G.1, 13193.B.850.5G.1		CCL00739_7B_1,CCSN000739_N005B_1	CCL00739_7B_1,CCSN000739_N005B_1	TxRx	LTE 700,5G 850		13.74			top	FIBER										
	PORT 5	13193.B.1900.5G.1, 13193.B.1900.4G.2		CCSN000739_N002B_1,CCL04526_9B_1	CCSN000739_N002B_1,CCL04526_9B_1	TxRx	LTE 1900,5G 1900		17			top	FIBER										
	PORT 6	13193.B.1900.4G.2, 13193.B.1900.5G.1		CCSN000739_N002B_1,CCL04526_9B_1	CCSN000739_N002B_1,CCL04526_9B_1	TxRx	LTE 1900,5G 1900		17			top	FIBER										
	PORT 7	13193.B.1900.5G.1, 13193.B.1900.4G.2		CCSN000739_N002B_1,CCL04526_9B_1	CCSN000739_N002B_1,CCL04526_9B_1	TxRx	LTE 1900,5G 1900		17			top	FIBER										
	PORT 8	13193.B.1900.4G.2, 13193.B.1900.5G.1		CCSN000739_N002B_1,CCL04526_9B_1	CCSN000739_N002B_1,CCL04526_9B_1	TxRx	LTE 1900,5G 1900		17			top	FIBER										
	PORT 9	13193.B.AWS.5G.1				TxRx	LTE AWS,5G AWS		17.6			top	FIBER										
	PORT 10	13193.B.AWS.4G.5, 13193.B.AWS.4G.4				TxRx	LTE AWS,5G AWS		17.6			top	FIBER										
	PORT 11	13193.B.AWS.5G.1				TxRx	LTE AWS,5G AWS		17.6			top	FIBER										
	PORT 12	13193.B.AWS.4G.5				TxRx	LTE AWS,5G AWS		17.6			top	FIBER										

Section 17C - FINAL TOWER CONFIGURATION - SECTOR C

ANTENNA POSITION is LEFT to RIGHT from BACK OF ANTENNA (unless otherwise specified)	ANTENNA POSITION 1		ANTENNA POSITION 2		ANTENNA POSITION 3		ANTENNA POSITION 4		ANTENNA POSITION 5		ANTENNA POSITION 6		ANTENNA POSITION 7	
ANTENNA MAKE - MODEL	AIR6449 B77D		NNHH-65A-R4		NNH4-65A-R6H4									
ANTENNA VENDOR	Ericsson		Commscope		Commscope									
ANTENNA SIZE (H x W x D)	30.4X15.9X8.1		55.1X19.6X7.8		59X19.6X7.8									
ANTENNA WEIGHT	81.6		67.2		72.8									
AZIMUTH	140		140		140									
MAGNETIC DECLINATION														
RADIATION CENTER (feet)	48		48		48									
ANTENNA TIP HEIGHT														
MECHANICAL DOWNTILT			0		0									
FEEDER AMOUNT			2											
VERTICAL SEPARATION from ANTENNA ABOVE (TIP to TIP)														
VERTICAL SEPARATION from ANTENNA BELOW (TIP to TIP)														
HORIZONTAL SEPARATION from CLOSEST ANTENNA to LEFT (CENTERLINE to CENTERLINE)														
HORIZONTAL SEPARATION from CLOSEST ANTENNA to RIGHT (CENTERLINE to CENTERLINE)														
HORIZONTAL SEPARATION from ANOTHER ANTENNA (which antenna # / # of inches)														
Antenna RET Motor (QTY/MODEL)		Internal	4	In Built RET	6	In Built RET								
SURGE ARRESTOR (QTY/MODEL)														
DIPLEXER (QTY/MODEL)														
DUPLEXER (QTY/MODEL)														
Antenna RET CONTROL UNIT (QTY/MODEL)														
DC BLOCK (QTY/MODEL)														
TMA/LNA (QTY/MODEL)														
CURRENT INJECTORS FOR TMA (QTY/MODEL)														
PDU FOR TMAS (QTY/MODEL)														
FILTER (QTY/MODEL)														
SQUID (QTY/MODEL)														
FIBER TRUNK (QTY/MODEL)														
DC TRUNK (QTY/MODEL)														
REPEATER (QTY/MODEL)														
RRH - 700 band (QTY/MODEL)			1	4478 B14	1	4449 B5/B12								
RRH - 850 band (QTY/MODEL)						RRH is shared with another band								
RRH - 1900 band (QTY/MODEL)					1	4415 B25								
RRH - AWS band (QTY/MODEL)					1	4426 B66								
RRH - WCS band (QTY/MODEL)			1	RRUS-32 B30										
Additional RRH #1 - any band (QTY/MODEL)	1	integrated within: AIR6449 B77D												
Additional RRH #2 - any band (QTY/MODEL)														
RRH 7B 1 (QTY/MODEL)														
RRH 7B 2 (QTY/MODEL)														
RRH 7B 3 (QTY/MODEL)														
Additional Component 1 (QTY/MODEL)														
Additional Component 2 (QTY/MODEL)														
Additional Component 3 (QTY/MODEL)														
Local Market Note 1														
Local Market Note 2														
Local Market Note 3														

PORT SPECIFIC FIELDS	PORT NUMBER	USEID (CSSng)	USEID (Atoll)	ATOLL TXID	ATOLL CELL ID	TX/RX ?	TECHNOLOGY/FREQUENCY	ANTENNA ATOLL	ANTENNA GAIN	ELECTRICAL AZIMUTH	ELECTRICAL TILT	RRH LOCATION (Top/Bottom/Integrated/None)	FEEDERS TYPE	FEEDER LENGTH (feet)	RXAIT KIT MODULE?	TRIPLEXER or LLC (QTY)	TRIPLEXER or LLC (MODEL)	SCPA/MCPA MODULE?	HATCHPLATE POWER (Watts)	ERP (Watts)	Antenna RET Name	CABLE NUMBER	CABLE ID (CSSNG)
ANTENNA POSITION 1	PORT 1	13193.C.CBAND.5G.2			_013193_N077C_1	TxRx	5G CBAND					INTEGRATED	FIBER										
	PORT 2	13193.C.CBAND.5G.2				TxRx	5G CBAND					INTEGRATED	FIBER										
ANTENNA POSITION 2	PORT 1	13193.C.700.4G.3		CCL00739_7C_3_F	CCL00739_7C_3_F	TxRx	LTE 700		13.74		0	top	FIBER										
	PORT 2	13193.C.700.4G.3		CCL00739_7C_3_F	CCL00739_7C_3_F	TxRx	LTE 700		13.74		0	top	FIBER										

	PORT 3	13193.C.700.4G.1, 13193.C.700.4G.3		CCL00739_7C_3_F	CCL00739_7C_3_F	TxRx	LTE 700		13.24		0	top	FIBER										
	PORT 4	13193.C.700.4G.1, 13193.C.700.4G.3		CCL00739_7C_3_F	CCL00739_7C_3_F	TxRx	LTE 700		13.24		0	top	FIBER										
	PORT 5	13193.C.WCS.4G.1		CCL00739_3C_1	CCL00739_3C_1	TxRx	LTE WCS		18.3		0	top	FIBER										
	PORT 6	13193.C.WCS.4G.1		CCL00739_3C_1	CCL00739_3C_1	TxRx	LTE WCS		18.3		0	top	FIBER										
	PORT 7	13193.C.WCS.4G.1		CCL00739_3C_1	CCL00739_3C_1	TxRx	LTE WCS		18.3		0	top	FIBER										
	PORT 8	13193.C.WCS.4G.1		CCL00739_3C_1	CCL00739_3C_1	TxRx	LTE WCS		18.3		0	top	FIBER										
ANTENNA POSITION 3	**PORT 1**	13193.C.850.5G.1, 13193.C.700.4G.1		CCL00739_7C_1,CCSN000739_N005C_1	CCL00739_7C_1,CCSN000739_N005C_1	TxRx	LTE 700,5G 850		13.24			top	FIBER										
	PORT 2	13193.C.700.4G.1, 13193.C.850.5G.1		CCL00739_7C_1,CCSN000739_N005C_1	CCL00739_7C_1,CCSN000739_N005C_1	TxRx	LTE 700,5G 850		13.24			top	FIBER										
	PORT 3	13193.C.850.5G.1, 13193.C.700.4G.1		CCL00739_7C_1,CCSN000739_N005C_1	CCL00739_7C_1,CCSN000739_N005C_1	TxRx	LTE 700,5G 850		13.74			top	FIBER										
	PORT 4	13193.C.700.4G.1, 13193.C.850.5G.1		CCL00739_7C_1,CCSN000739_N005C_1	CCL00739_7C_1,CCSN000739_N005C_1	TxRx	LTE 700,5G 850		13.74			top	FIBER										
	PORT 5	13193.C.1900.5G.1, 13193.C.1900.4G.2		CCSN000739_N002C_1,CCL04526_9C_1	CCSN000739_N002C_1,CCL04526_9C_1	TxRx	LTE 1900,5G 1900		17			top	FIBER										
	PORT 6	13193.C.1900.4G.2, 13193.C.1900.5G.1		CCSN000739_N002C_1,CCL04526_9C_1	CCSN000739_N002C_1,CCL04526_9C_1	TxRx	LTE 1900,5G 1900		17			top	FIBER										
	PORT 7	13193.C.1900.5G.1, 13193.C.1900.4G.2		CCSN000739_N002C_1,CCL04526_9C_1	CCSN000739_N002C_1,CCL04526_9C_1	TxRx	LTE 1900,5G 1900		17			top	FIBER										
	PORT 8	13193.C.1900.4G.2, 13193.C.1900.5G.1		CCSN000739_N002C_1,CCL04526_9C_1	CCSN000739_N002C_1,CCL04526_9C_1	TxRx	LTE 1900,5G 1900		17			top	FIBER										
	PORT 9	13193.C.AWS.5G.1				TxRx	LTE AWS,5G AWS		17.6			top	FIBER										
	PORT 10	13193.C.AWS.4G.4, 13193.C.AWS.4G.3				TxRx	LTE AWS,5G AWS		17.6			top	FIBER										
	PORT 11	13193.C.AWS.5G.1				TxRx	LTE AWS,5G AWS		17.6			top	FIBER										
	PORT 12	13193.C.AWS.4G.4				TxRx	LTE AWS,5G AWS		17.6			top	FIBER										

Diagram - Sector	A	Diagram File Name - CNU0739_v2.vsdx					
Atoll Site Name -	CNU0739	Location Name -	CHERRY - COTTLE	Market -	SAN FRANCISCO	Market Cluster -	SAN FRANCISCO/SACRAMENTO
Comments:							

ALPHA

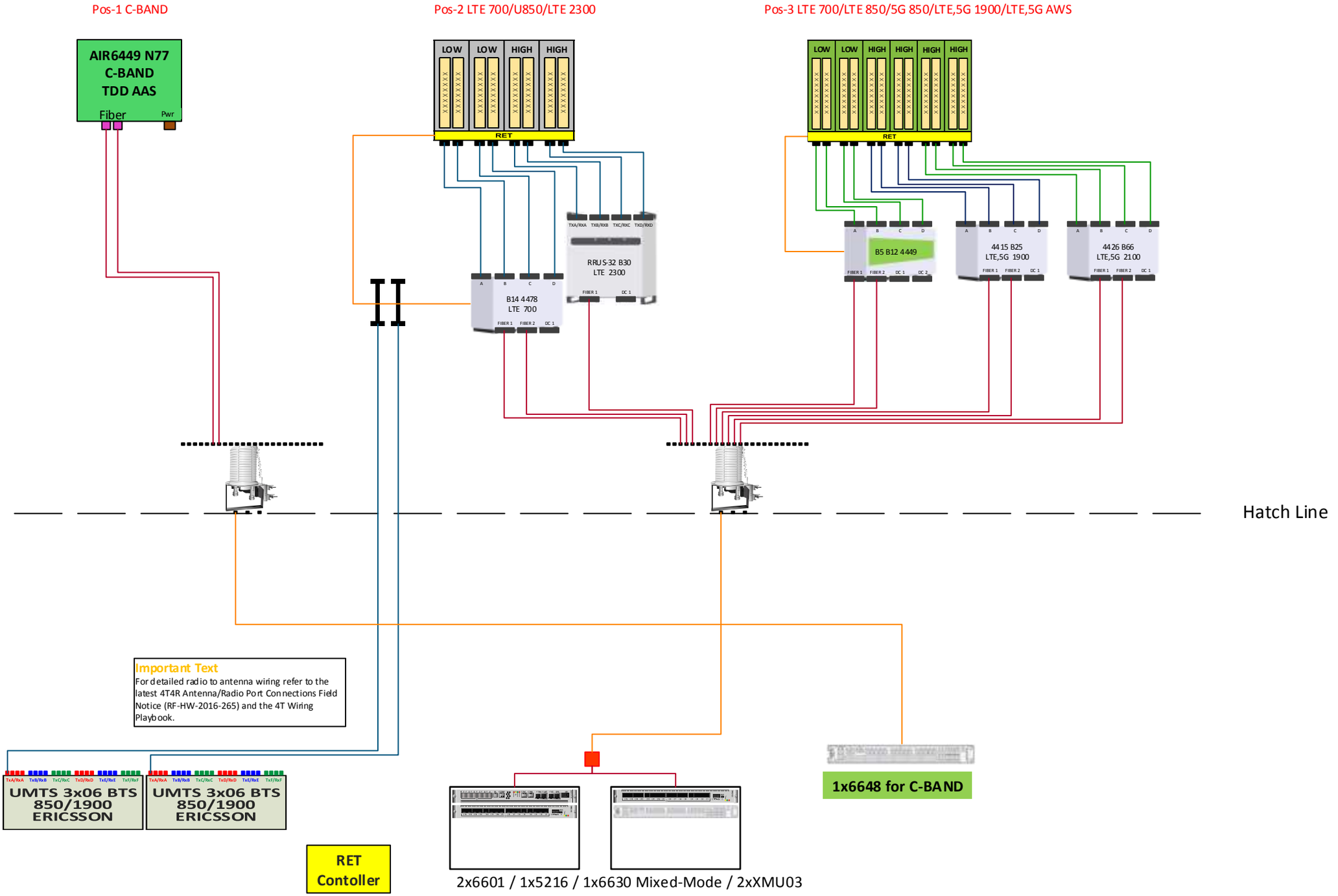


Diagram - Sector	A	Diagram File Name - CNU0739_v2.vsdx					
Atoll Site Name -	CNU0739	Location Name -	CHERRY - COTTLE	Market -	SAN FRANCISCO	Market Cluster -	SAN FRANCISCO/SACRAMENTO
Comments:							

BETA

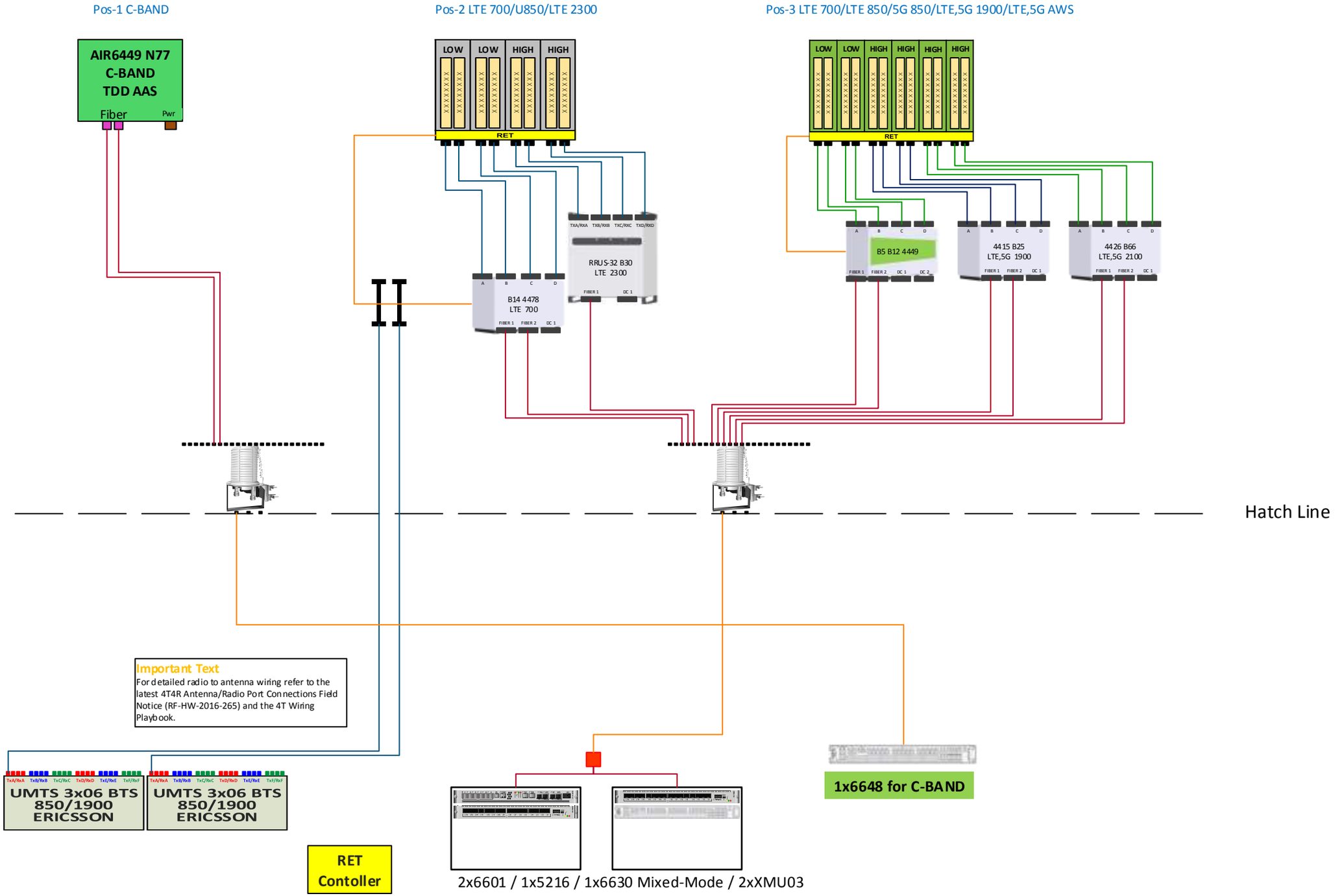


Diagram - Sector	A	Diagram File Name - CNU0739_v2.vsdx					
Atoll Site Name -	CNU0739	Location Name -	CHERRY - COTTLE	Market -	SAN FRANCISCO	Market Cluster -	SAN FRANCISCO/SACRAMENTO
Comments:							

GAMMA

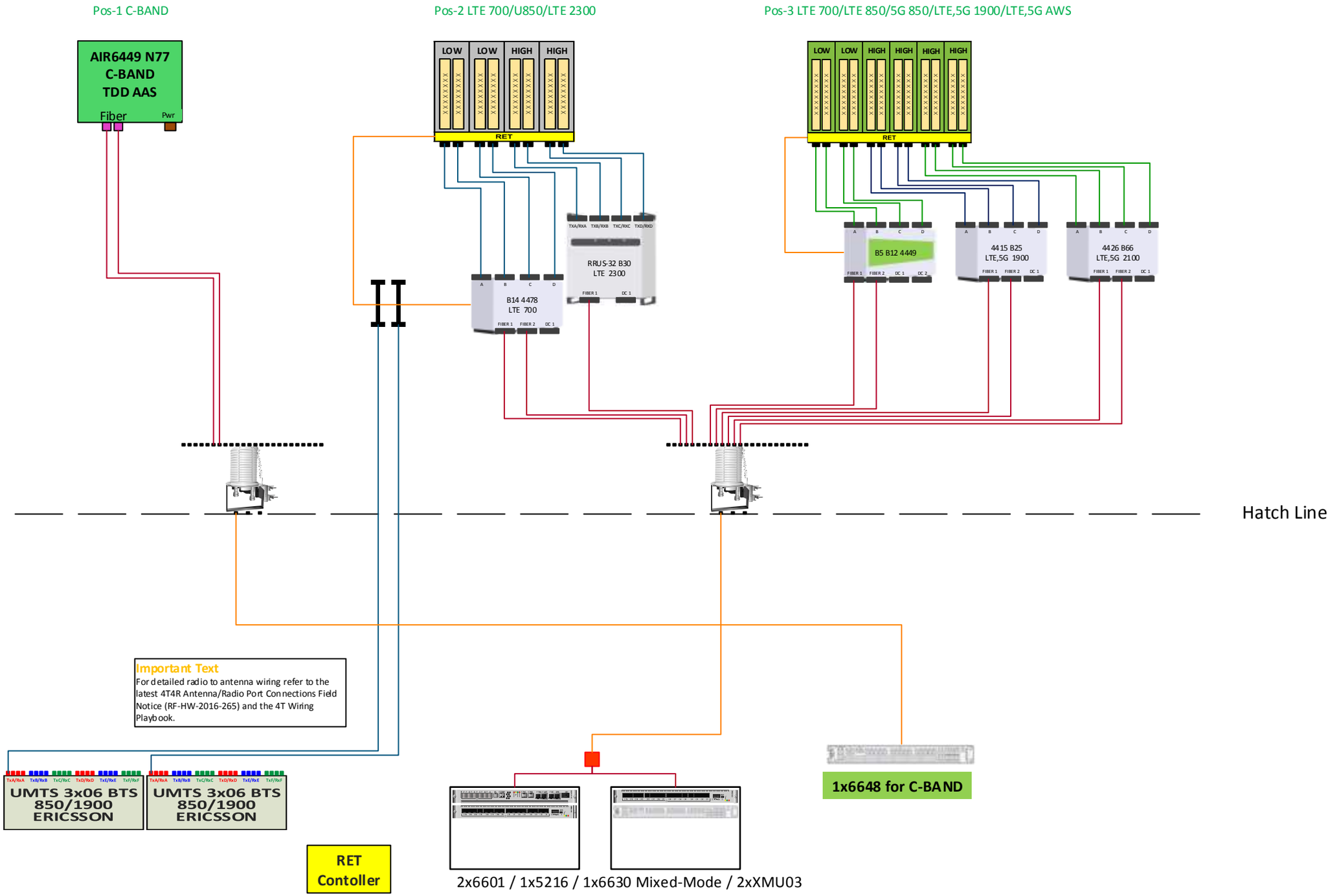


Diagram - Sector	A	Diagram File Name - CNU0739_v2.vsdx					
Atoll Site Name -	CNU0739	Location Name -	CHERRY - COTTLE	Market -	SAN FRANCISCO	Market Cluster -	SAN FRANCISCO/SACRAMENTO
Comments:							

C-BAND, 5G NR 850 SW and 700 4T4R Project

Final Config:
ABC: Pos1: C-BAND Pos2: LTE 700FNET/U850/LTE WCS Pos3: LTE 700BC/5G 850/LTE 1900/LTE AWS

SOW: Sector ABC
Replace antenna Pos1 with C-BAND AIR antenna
Replace antenna Pos3 with Commscope 12 port antenna
Move LTE AWS 4426 B66 radio from pos1 to Pos3 antenna
Replace RRUS-11 B12 with 4449 B5/B12 for LTE 700 and 5G 850 4T4R
Reconnect 4415 B25 to Pos3 antenna
Install 6648 BBU for C-BAND

Final Baseband LTE: 1 x 5216 + 2 x XMU + 1 x 6630 Mixed Mode IDle

Diagram - Sector	A	Diagram File Name - CNU0739_v2.vsdx					
Atoll Site Name -	CNU0739	Location Name -	CHERRY - COTTLE	Market -	SAN FRANCISCO	Market Cluster -	SAN FRANCISCO/SACRAMENTO
Comments:							

1x5216 + 2xXMU03 + 6630 MIX MODE via Idle + 6648

LTE1C 700 @ 10MHz
LTE2C 1900 @ 20MHz
LTE3C WCS @ 10MHz
LTE4C AWS @ 5MHz
LTEMC AWS @ 10MHz
LTE5C B14 @ 10MHz

3A 3B 3C B14 A B14 B B14 C

XMU03 (R503): 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

optical

5216: F E D C B A IDL IDL

7A 5G 7B 5G 7C 5G

XMU03 (R503): 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

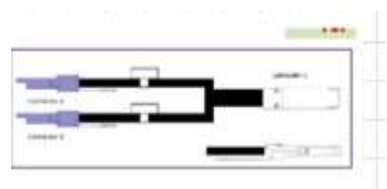
9A 9B 9C

6630: A B C D E F G H J K L M N P Q IDL IDL

2A_1 2A_3 2B_1 2B_3 2C_1 2C_3

DUS-XMU electrical cable (RPM 777 279/L)
L: 00360 (CEQ.15553)
L: 01000 (CEQ.11377)

QSFP-Xcedex2 cable (RPM 777 098/L)
L: 01000 (CEQ.51727)
L: 02000 (CEQ.51724)
L: 03000 (CEQ.51728)



6648: A B C D | A B C | D E F | G H J | K L M

For SIAD

CBAND Radios

SPF28
High Temp SFP3 (RDH 102 47/25: CEQ.18538) for 4478 radios
SFP3 (RDH 102 47/3: CEQ.32058) for any radios (NOT 4478) up to BW = 20MHz
SFP7 (RDH 102 65/25: CEQ.17828) for any radios (NOT 4478) up to BW > 20MHz

NOTES			
Date Time (Eastern)	Version	ATTUID	Note
6/24/2021 4:44:34 PM	2.00	jp5720	RFDS VERSION incremented.
8/20/2021 1:57:19 PM	3.00	jp5720	RFDS VERSION incremented.
10/14/2021 5:37:55 PM	4.00	jp5720	RFDS VERSION incremented.
4/14/2022 3:17:21 PM	5.00	ma2131	RFDS VERSION incremented.

WORKFLOW SUMMARY							
Date	FROM State / Status	FROM ATTUID	TO State / Status	TO ATTUID	Operation	Comments	PACE Status
03/14/2021	Preliminary In Progress	sm0587	Preliminary In Progress	SB970R	Reassign	Prelim RFDS, please promote to Vendor.	
03/15/2021	Preliminary In Progress	SB970R	Preliminary Submitted for Approval	KK6858	Promote	CBAND RFDS- Tranche 2 Please promote to TV	WR_-RSFR-21-08734 MRSFR079093 SUCCESS 03/15/2021 11:32:43 AM WR_-RSFR-21-08735 MRSFR079094 SUCCESS 03/15/2021 11:32:43 AM WR_-RSFR-21-08736 MRSFR079440 SUCCESS 03/15/2021 11:32:43 AM
03/24/2021	Preliminary Submitted for Approval	KK6858	Preliminary Submitted for Approval	bv232v	Reassign		
03/24/2021	Preliminary Submitted for Approval	bv232v	Preliminary Approved	LR633Q	Promote		
06/10/2021	Preliminary Approved	LR633Q	Final RF Approval	JP5720	Promote	Update RFDS per Scoping Discussion	
06/24/2021	Final RF Approval	JP5720	Final Approved	LR633Q	Promote	Promoted as Final	WR_-RSFR-21-08734 MRSFR079093 SUCCESS 06/24/2021 5:57:22 PM WR_-RSFR-21-08735 PENDING 06/24/2021 5:57:22 PM WR_-RSFR-21-08736 PENDING 06/24/2021 5:57:22 PM
07/21/2021	Final Approved	LR633Q	Final Approved	DK0640	Reassign		
07/29/2021	Final Approved	DK0640	As Built In Progress	DK0640	Promote	TV scoping team approved final RFDS. Promoting to As/Built In progress.	WR_-RSFR-21-08734 PENDING 07/29/2021 5:51:24 PM WR_-RSFR-21-08735 PENDING 07/29/2021 5:51:24 PM WR_-RSFR-21-08736 PENDING 07/29/2021 5:51:24 PM
08/20/2021	As Built In Progress	DK0640	Final Modification Recommended	JP5720	Demote	Demote to Final Modification Recommended. Per email request from BV232V, we have been asked to demote RFDS and email sent to JP5720 with recommended changes.	
08/20/2021	Final Modification Recommended	JP5720	Final Approved	DK0640	Promote	updated Rad Center	
10/14/2021	Final Approved	DK0640	Final Modification Recommended	JP5720	Demote	Demote to Final Modification Recommended.	
10/14/2021	Final Modification Recommended	JP5720	Final Approved	DK0640	Promote	Updated Rad center	
02/22/2022	Final Approved	DK0640	Final Approved	SA968B	Reassign	Re-assign to new QT AF SPOC.	
04/08/2022	Final Approved	SA968B	Final Modification Recommended	ma2131	Demote	Demote for change to CRAN/DRAN designations	
05/09/2022	Final Modification Recommended	ma2131	Final Approved	sa968b	Promote	“Hybrid RFDS” – DRAN configuration; please promote to ABIP	
05/11/2022	Final Approved	sa968b	As Built In Progress	SA968B	Promote	Promote to ABIP	WR_-RSFR-21-08734 PENDING 05/11/2022 2:50:41 PM WR_-RSFR-21-08735 FAILURE 05/11/2022 2:50:41 PM WR_-RSFR-21-08736 FAILURE 05/11/2022 2:50:41 PM
07/05/2022	As Built In Progress	SA968B	As Built In Progress	DK0640	Reassign	Reassign to DK0640	
07/06/2022	As Built In Progress	DK0640	As Built In Progress	EA841U	Reassign		
08/05/2022	As Built In Progress	EA841U	As Built In Progress	SA968B	Reassign		
08/15/2022	As Built In Progress	SA968B	Final Modification Recommended	JP5720	Demote	Demote to fix diplexer	
08/15/2022	Final Modification Recommended	JP5720	Final Approved	SA968B	Promote	Removed proposed diplexer for U850 and 700FNET	
10/19/2022	Final Approved	SA968B	As Built In Progress	SA968B	Promote	Promote to ASBIP	WR_-RSFR-21-08734 PENDING 10/19/2022 1:24:44 PM WR_-RSFR-21-08735 PENDING 10/19/2022 1:24:44 PM WR_-RSFR-21-08736 PENDING 10/19/2022 1:24:44 PM