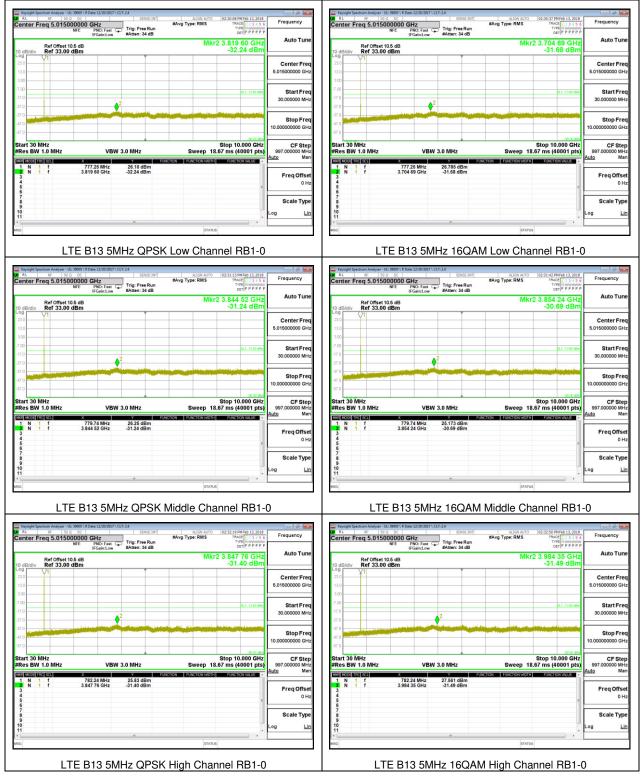


Page 118 of 159

8.3.8. LTE BAND 13



Page 119 of 159

F

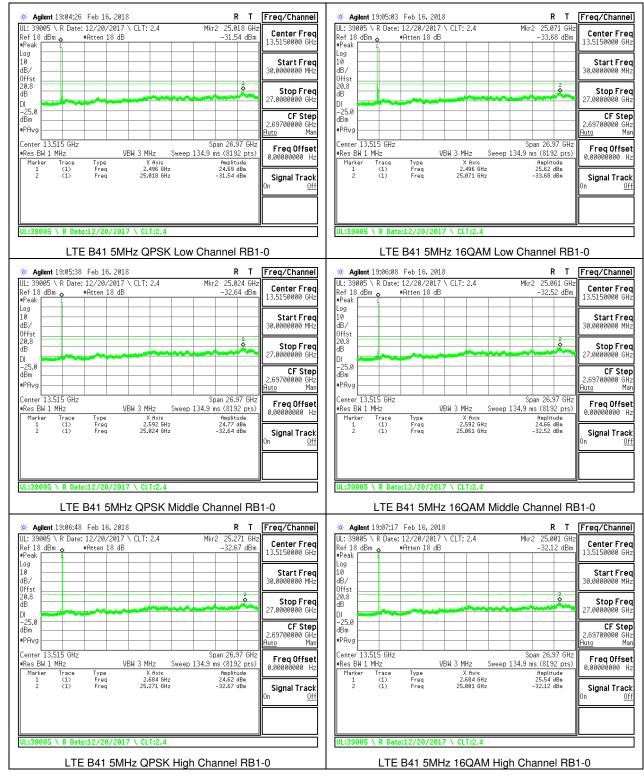
Frequency	02:36:58 PM Feb 13, 2018 TRACE 1 2 3 4 5 6	#Avg Type: RMS	SENSE:INT	A: 39005 \ R Date: 12/20/2017 \ Ω DC D00000 GHz		00 R	Frequency	17:40 PM Feb 13, 2018 TRACE 1 2 3 4 5 6 TYPE M WWWWWW	ALIGN AUTO	SENSE:INT	2 39005 \ R Date: 12/20/2017 \ (DC D00000 GHz		RL
Auto Tu	2 3.760 03 GHz -31.56 dBm		#Atten: 34 dB	NFE PNO: Fast (IFGain:Low	Ref Offset	10 d	Auto Tr	ост Р Р Р Р Р Р 871 18 GHz -31.31 dBm	Mkr2	Trig: Free Run #Atten: 34 dB	NFE PNO: Fast C IFGain:Low	Ref Offset 1 div Ref 33.00	10 dB/
Center Fr 5.015000000 G					01		Center F 5.015000000					V1	.09 23.0 13.0
Start Fr 30.000000 M	DL1 -13.00 dBm		2				Start F 30.000000 I	DL1 -13.00 dBm		¢2			.00 7.0
Stop Fr 10.00000000 G							Stop F 10.000000000						7.0
CF Str 997.000000 M Auto M	Stop 10.000 GHz .67 ms (40001 pts)	Sweep 18	V 3.0 MHz	VBV	0 MHz 3W 1.0 MHz	Hz #Re	CF S 997.000000 I Auto	p 10.000 GHz ns (40001 pts)	Sweep 18.67	3.0 MHz	VBW	30 MHz BW 1.0 MHz	Res
Freq Offs 0	H		26.077 dBm -31.56 dBm	777.50 MHz 3.760 03 GHz		1	Freq Off			26.217 dBm -31.31 dBm	777.50 MHz 4.871 18 GHz	1 f	1 N 2 N 3 4 5
Scale Typ						pe 8 9 in 10	Scale T						6 7 8 9 0
	•	STATU				MSG		,	STATUS				6
-0	annel RB1	AM Middle Ch	Hz 16QAI	B13 10M	LTE		0	nel RB1-	liddle Chai	Hz QPSK I	B13 10M	LTE	

8.3.9. LTE BAND 17

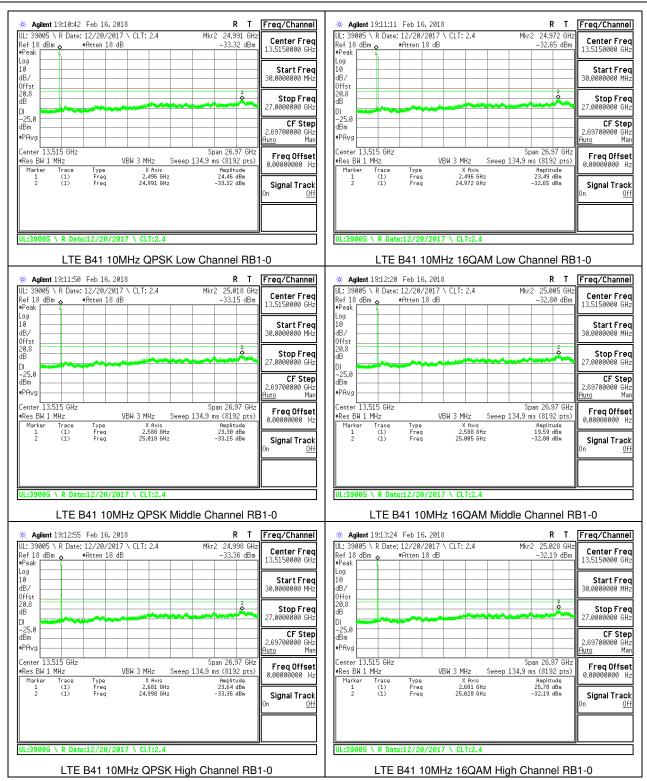
LTE Band 17 (Frequency range: 704-716 MHz) is covered by LTE Band 12 (Frequency range: 699-716 MHz) due to similar frequency range, same maximum tune-up limit and same channel bandwidth (5 & 10 MHz).

Page 120 of 159

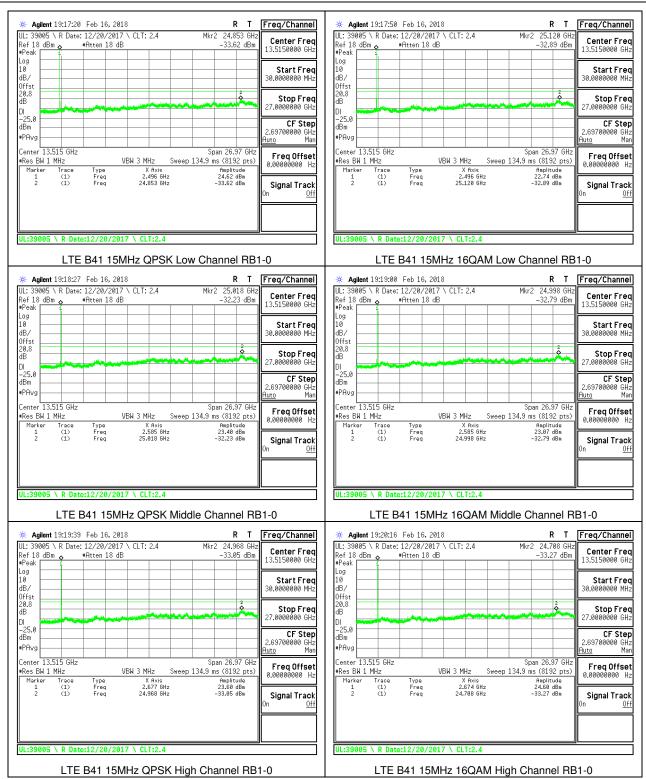
8.3.10. LTE BAND 41



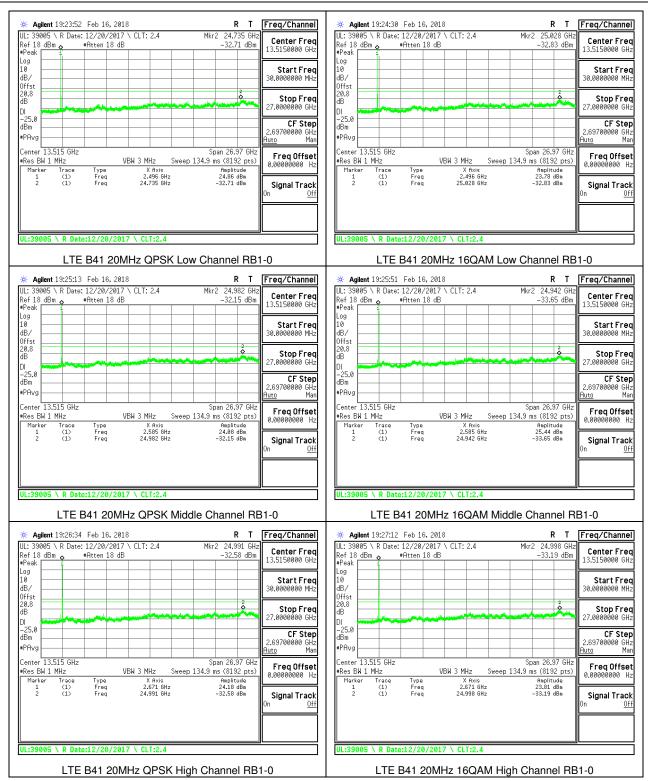
Page 121 of 159



Page 122 of 159



Page 123 of 159



Page 124 of 159

8.4. FREQUENCY STABILITY

RULE PART(S)

FCC: §2.1055, §22.355, §24.235, §27.54

<u>LIMITS</u>

FCC: §22.355

The carrier frequency shall not depart from the reference frequency in excess of ±2.5 ppm for mobile stations.

FCC: §24.235 & §27.54

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

TEST PROCEDURE

Use CMW 500 with Frequency Error measurement capability.

- Temp. = -30°C to +50°C
- Voltage = (85% 115%)

Low voltage, 3.23VDC, Normal, 3.8VDC and High voltage, 4.37VDC. End Voltage, 3.2VDC.

Frequency Stability vs Temperature:

The EUT is place inside a temperature chamber. The temperature is set to 20°C and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured. The temperature is increased by 10 degrees, allowed to stabilize and soak, and then the measurement is repeated. This is repeated until +50°C is reached.

Frequency Stability vs Voltage:

The peak frequency error is recorded (worst-case).

MODES TESTED

- GSM 1900
- LTE Band 4
- LTE Band 5
- LTE Band 7
- LTE Band 12
- LTE Band 13

Page 125 of 159

RESULTS

See the following pages.

Note(s):

GSM 850 Band Measured Results

GSM 850 (Frequency range: 824-849 MHz) is covered by LTE Band 5 (Frequency range: 824-849 MHz) no testing is necessary due to overlapping frequency range.

WCDMA Band 5 Measured Results

WCDMA Band 5 (Frequency range: 826-84 MHz) is covered by LTE Band 5 (Frequency range: 824-849 MHz) no testing is necessary due to overlapping frequency range.

LTE Band 41 Measured Results

LTE Band 41 (Frequency range: 2496-2690 MHz) is covered by LTE Band 7 (Frequency range: 2500-2570 MHz) no testing is necessary due to overlapping frequency range.

Page 126 of 159

8.4.1. GSM 1900

ID: 39005	Date:	2/14/18
-----------	-------	---------

Refere	nce Frequency: GSM	1900 Mid Channel	1880	MHz @ 20°C
	Limit: to	stay +- 2.5 ppm =	4700.000	Hz
Power Supply	Environment	Frequency Devi	ation Measureed w	ith Time Elapse
(Vdc)	Temperature (°C)	(MHz)	Delta (ppm)	Limit (ppm)
3.85	50	1880.000018	-0.003	2.5
3.85	40	1880.000017	-0.003	2.5
3.85	30	1880.000019	-0.004	2.5
3.85	20	1880.000011	0	2.5
3.85	10	1880.000010	0.001	2.5
3.85	0	1880.000012	0.000	2.5
3.85	-10	1880.000014	-0.001	2.5
3.85	-20	1880.000016	-0.003	2.5
3.85	-30	1880.000018	-0.004	2.5

		1880		
Referen	Reference Frequency: GSM1900 Mid Channel			MHz @ 20°C
Limit: to stay +- 2.5 ppm =			4700.000	Hz
Power Supply	Environment	Frequency Dev	iation Measured wi	th Time Elapse
(Vdc)	Temperature (°C)	(MHz)	Delta (ppm)	Limit (ppm)
3.85	25	1880.000011	0	2.5
4.25	25	1880.000015	-0.002	2.5
3.65	25	1880.000012	0.000	2.5

8.4.2. LTE BAND 4

ID:	39005	Date:	2/14/18
-----	-------	-------	---------

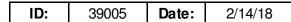
QPSK, (20MHz BANDWIDTH)

Reference	e Frequency: LTE B	1732.5	MHz @ 20°C	
	Limit: to	stay +- 2.5 ppm =	4331.250	Hz
Power Supply	Environment	Frequency Devi	ation Measureed w	ith Time Elapse
(Vdc)	Temperature (°C)	(MHz)	Delta (ppm)	Limit (ppm)
3.85	50	1732.500007	0.001	2.5
3.85	40	1732.500007	0.001	2.5
3.85	30	1732.500005	0.002	2.5
3.85	20	1732.500008	0	2.5
3.85	10	1732.500006	0.002	2.5
3.85	0	1732.500005	0.002	2.5
3.85	-10	1732.500005	0.002	2.5
3.85	-20	1732.500005	0.002	2.5
3.85	-30	1732.500004	0.002	2.5

Reference	e Frequency: LTE B	1732.5	MHz @ 20°C	
	Limit: to	4331.250	Hz	
Power Supply	Environment	Frequency Dev	iation Measured wi	th Time Elapse
(Vdc)	Temperature (°C)	(MHz)	Delta (ppm)	Limit (ppm)
3.85	25	1732.500008	0	2.5
4.25	25	1732.500009	0.000	2.5
3.65	25	1732.500010	-0.001	2.5

Page 127 of 159

8.4.3. LTE BAND 5



QPSK, (10MHz BANDWIDTH)

Reference	Reference Frequency: LTE Band 5 Mid Channel			MHz @ 20°C
	Limit: to	stay +- 2.5 ppm =	2091.250	Hz
Power Supply	Environment	Frequency Devi	ation Measureed w	ith Time Elapse
(Vdc)	Temperature (°C)	(MHz)	Delta (ppm)	Limit (ppm)
3.85	50	836.499991	0.000	2.5
3.85	40	836.499993	-0.001	2.5
3.85	30	836.499993	-0.002	2.5
3.85	20	836.499991	0	2.5
3.85	10	836.499993	-0.002	2.5
3.85	0	836.499990	0.002	2.5
3.85	-10	836.499993	-0.002	2.5
3.85	-20	836.499992	-0.001	2.5
3.85	-30	836.499992	0.000	2.5

Reference	e Frequency: LTE B	836.5	MHz @ 20°C	
Limit: to stay +- 2.5 ppm =			2091.250	Hz
Power Supply	Environment	Frequency Dev	iation Measured wi	th Time Elapse
(Vdc)	Temperature (°C)	(MHz)	Delta (ppm)	Limit (ppm)
3.85	25	836.499991	0	2.5
4.25	25	836.499993	-0.002	2.5
3.65	25	836.499992	0.000	2.5

8.4.4. LTE BAND 7



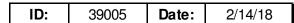
QPSK, (20MHz BANDWIDTH)

Reference	Reference Frequency: LTE Band 7 Mid Channel			MHz @ 20°C
	Limit: to	stay +- 2.5 ppm =	6337.500	Hz
Power Supply	Environment	Frequency Devi	ation Measureed w	ith Time Elapse
(Vdc)	Temperature (°C)	(MHz)	Delta (ppm)	Limit (ppm)
3.85	50	2535.000015	0.000	2.5
3.85	40	2535.000016	-0.001	2.5
3.85	30	2535.000013	0.001	2.5
3.85	20	2535.000015	0	2.5
3.85	10	2535.000017	-0.001	2.5
3.85	0	2535.000015	0.000	2.5
3.85	-10	2535.000016	-0.001	2.5
3.85	-20	2535.000015	0.000	2.5
3.85	-30	2535.000015	0.000	2.5

Reference	e Frequency: LTE B	2535	MHz @ 20°C	
	Limit: to	6337.500	Hz	
Power Supply	Environment	Frequency Dev	iation Measured wi	th Time Elapse
(Vdc)	Temperature (°C)	(MHz)	Delta (ppm)	Limit (ppm)
3.85	25	2535.000015	0	2.5
4.25	25	2535.000016	0.000	2.5
3.65	25	2535.000016	-0.001	2.5

Page 128 of 159

8.4.5. LTE BAND 12



QPSK, (10MHz BANDWIDTH)

Reference	Reference Frequency: LTE Band 12 Mid Channel			MHz @ 20°C
	Limit: to	stay +- 2.5 ppm =	1768.750	Hz
Power Supply	Environment	Frequency Devi	ation Measureed w	ith Time Elapse
(Vdc)	Temperature (°C)	(MHz)	Delta (ppm)	Limit (ppm)
3.85	50	707.499998	-0.008	2.5
3.85	40	707.499997	-0.006	2.5
3.85	30	707.499997	-0.007	2.5
3.85	20	707.499993	0	2.5
3.85	10	707.499994	-0.002	2.5
3.85	0	707.499994	-0.001	2.5
3.85	-10	707.499995	-0.003	2.5
3.85	-20	707.499994	-0.002	2.5
3.85	-30	707.499994	-0.001	2.5

Reference	Frequency: LTE Ba	nd 12 Mid Channel	707.5	MHz @ 20°C
	Limit: to	1768.750	Hz	
Power Supply	Environment	Frequency Dev	iation Measured wi	th Time Elapse
(Vdc)	Temperature (°C)	(MHz)	Delta (ppm)	Limit (ppm)
3.85	25	707.499993	0	2.5
4.25	25	707.499994	-0.002	2.5
3.65	25	707.499994	-0.003	2.5

8.4.6. LTE BAND 13



QPSK, (10MHz BANDWIDTH)

Reference	Frequency: LTE Ba	nd 13 Mid Channel	782	MHz @ 20°C
	Limit: to	stay +- 2.5 ppm =	1955.000	Hz
Power Supply	Environment	Frequency Devia	ation Measureed w	ith Time Elapse
(Vdc)	Temperature (°C)	(MHz)	Delta (ppm)	Limit (ppm)
3.85	50	781.999988	0.002	2.5
3.85	40	781.999989	0.000	2.5
3.85	30	781.999990	0.000	2.5
3.85	20	781.999989	0	2.5
3.85	10	781.999992	-0.003	2.5
3.85	0	781.999992	-0.003	2.5
3.85	-10	781.999992	-0.004	2.5
3.85	-20	781.999992	-0.003	2.5
3.85	-30	781.999994	-0.005	2.5

Reference	Frequency: LTE Ba	nd 13 Mid Channel	782	MHz @ 20°C		
	Limit: to	1955.000	Hz			
Power Supply	Environment	Frequency Dev	iation Measured wi	th Time Elapse		
(Vdc)	Temperature (°C)	(MHz)	Delta (ppm)	Limit (ppm)		
3.85	25	781.999989	0	2.5		
4.25	25	781.999990	0.000	2.5		
3.65	25	781.999990	-0.001	2.5		

Page 129 of 159

8.5. PEAK-TO-AVERAGE POWER RATIO

<u>LIMIT</u>

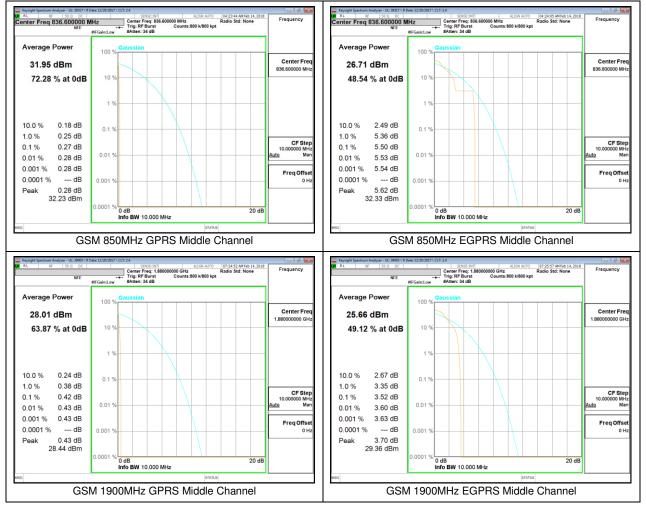
In addition, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1% of the time and shall use a signal corresponding to the highest PAPR during periods of continuous transmission.

RESULT

Full resource block (FRB) for each bandwidth was used to measure as the worst case. The results from all CCDF measurements are passed with 13dB peak-to-average power ratio criteria.

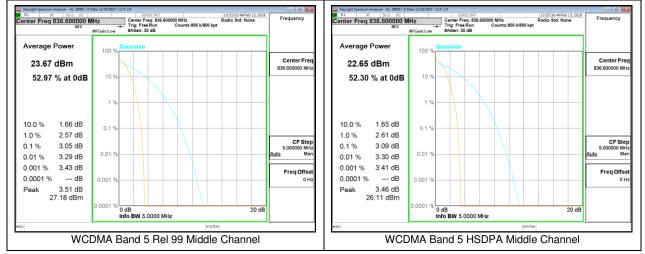
Page 130 of 159

8.5.1. GSM



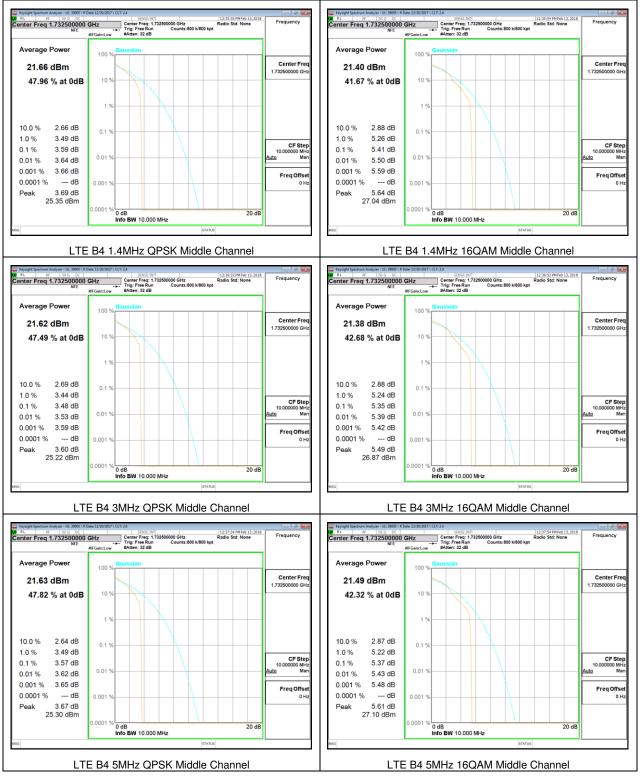
Page 131 of 159

8.5.2. WCDMA

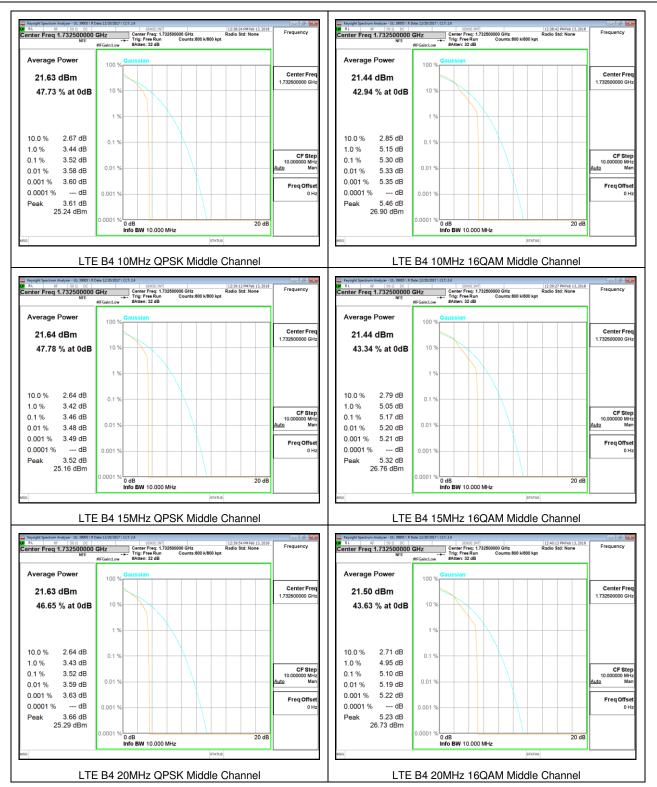


Page 132 of 159

8.5.3. LTE BAND 4

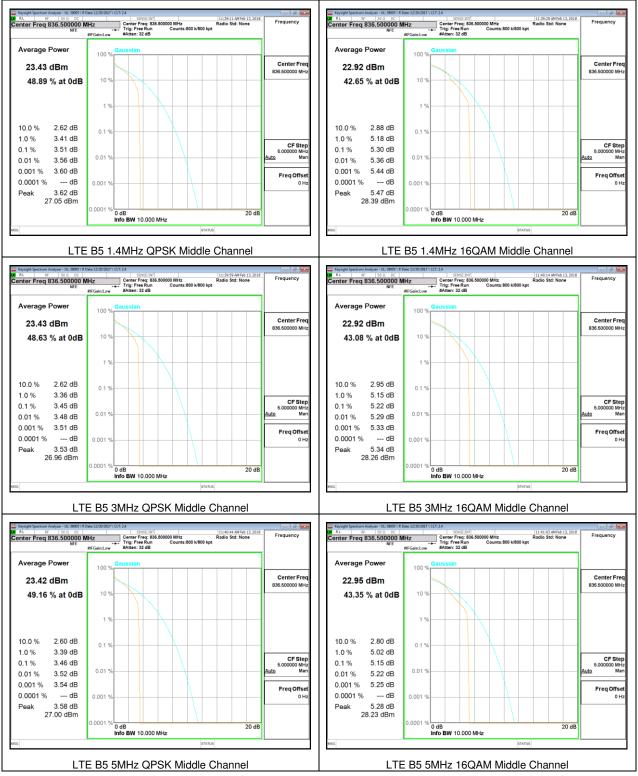


Page 133 of 159

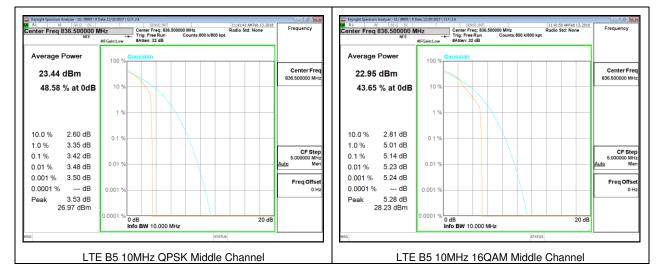


Page 134 of 159

8.5.4. LTE BAND 5

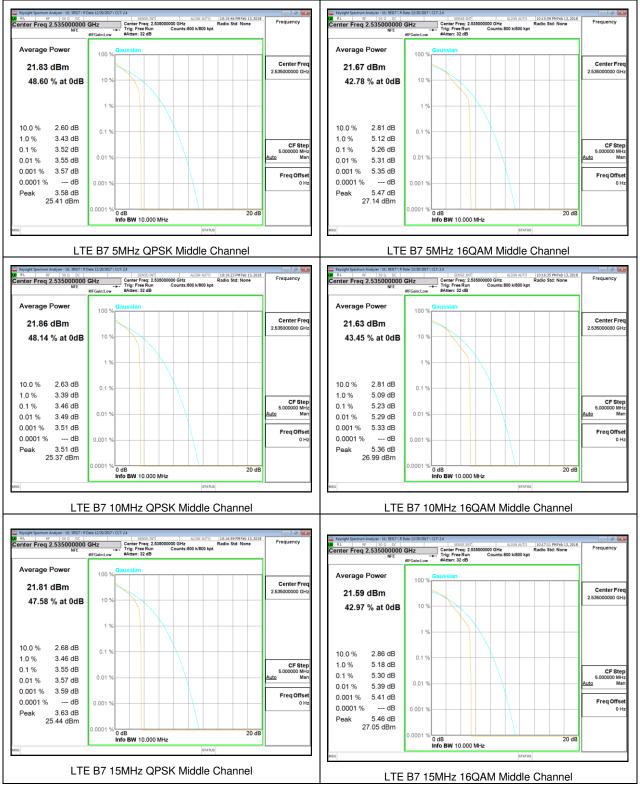


Page 135 of 159



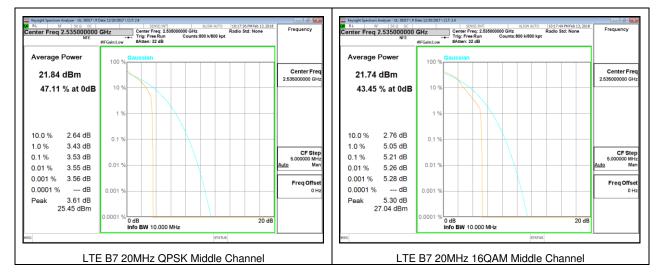
Page 136 of 159

8.5.5. LTE BAND 7



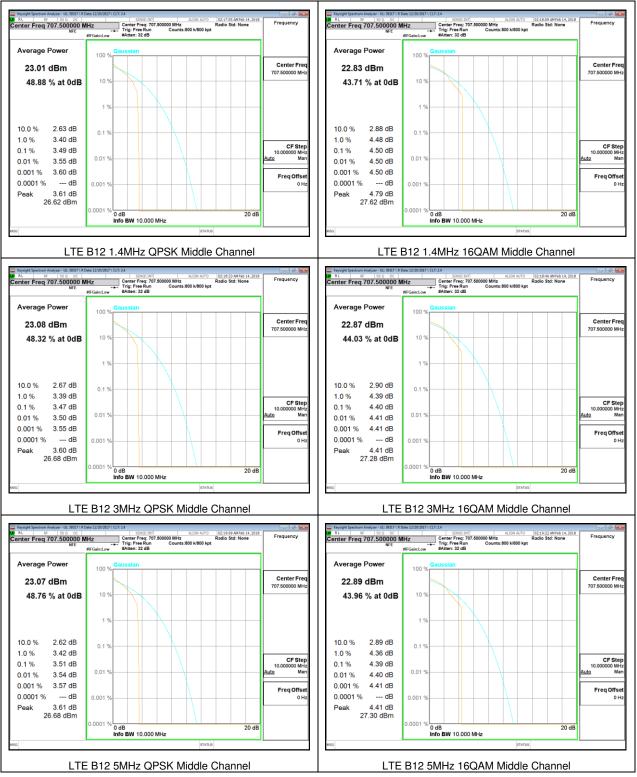
UL VERIFICATION SERVICES INC. 47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 771-1000 FAX: (510) 661-0888 This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

Page 137 of 159

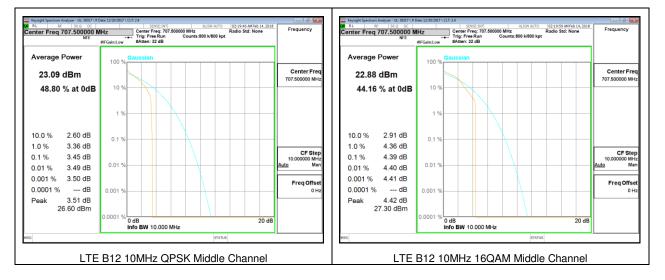


Page 138 of 159

8.5.6. LTE BAND 12

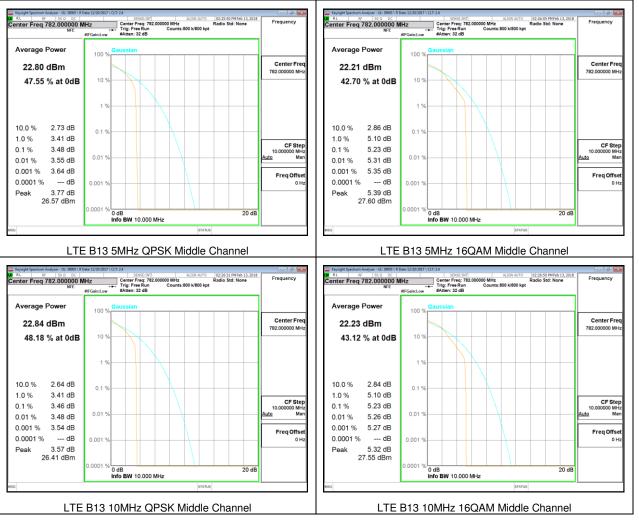


Page 139 of 159



Page 140 of 159

8.5.7. LTE BAND 13

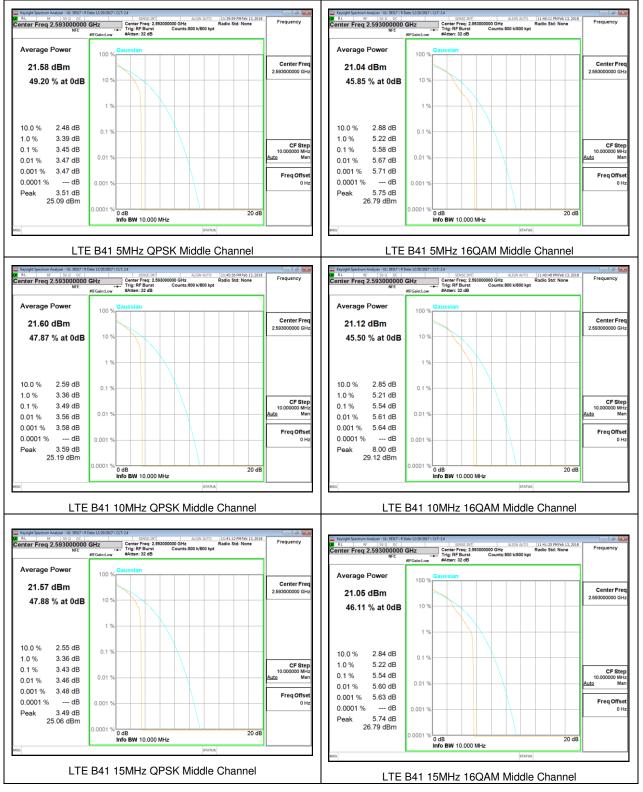


8.5.8. LTE BAND 17

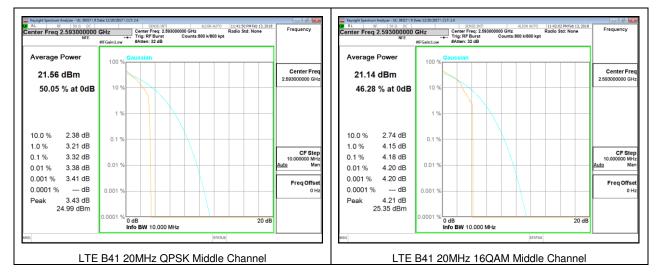
LTE Band 17 (Frequency range: 704-716 MHz) is covered by LTE Band 12 (Frequency range: 699-716 MHz) due to similar frequency range, same maximum tune-up limit and same channel bandwidth (5 & 10 MHz).

Page 141 of 159

8.5.9. LTE BAND 41



Page 142 of 159



Page 143 of 159

9. RADIATED TEST RESULTS

9.1. FIELD STRENGTH OF SPURIOUS RADIATION

RULE PART(S)

FCC: §2.1053, §22.917, §24.238, §27.53

<u>LIMIT</u>

FCC: §22.917(a), §24.238(a), §27.53 (g), (h)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

FCC: §27.53 (Band 13)

(c) The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

(f) Emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals. (-70 dBW/MHz = -40dBm/MHz).

FCC: §27.53 (a) (Band 30)

For mobile and portable stations operating in the 2305-2315 MHz: by a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 and 2365 MHz, and not less than 70 + 10 log (P) dB above 2365 MHz.

FCC: §27.53 (m) (Band 7, 41)

At least $55 + 10 \log (P) dB$ on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section.

FCC: §96.41 (Band 42)

(e) 3.5 GHz Emissions and Interference Limits-

(2) Additional protection levels. Notwithstanding paragraph (d)(1) of this section, the conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.

TEST PROCEDURE

KDB 971168 D01 v03 / D02 v02r01

TIA-603-E, Section 2.2.12.

MODES TESTED

- GSM 850
- GSM 1900
- WCDMA Band 5
- LTE Band 4
- LTE Band 5
- LTE Band 7
- LTE Band 12
- LTE Band 13
- LTE Band 41

RESULTS

Page 144 of 159

9.1.1. GSM

Test Engineer: Configuration: Location:	SOMC 12132671 2/16/2018 39005 RA EUT + Support Chamber A GPRS 850 MHz Ant. Pol. (H/V) V V V V H H H		Preamp (dB)	Filter (dB)	EIRP				Company: Project #: Date: Test Engir Configurat Location: Mode:	eer: ion:	SOMC 12132671 2/16/2018 39005 RA EUT + Support Chamber A	Facinet						
MHz (dBm) .ow Ch. 824.2MHz .26.3 .d648.40 .26.3 .472.60 .23.6 .296.80 .23.3 .648.40 .26.9 .472.60 .25.9 .296.80 .23.2 .416 Ch. 836.6MHz .25.9 .673.20 .25.9	(H/V) V V H H	(m) 3.0 3.0	(dB)		EIDD				Project #: 12/32671 Date: 2/16/2018 Test Engineer: 3900 Sport Equipment Configuration: EUT + Support Equipment Location: Chamber A									
ow Ch, 824.2MHz 648.40 26.3 472.60 23.6 1296.80 23.3 648.40 26.0 477.60 25.9 1296.80 23.2 1472.60 25.9 1296.80 23.2 Mid Ch, 836.6MHz 1673.20 25.9	V V V H H	3.0 3.0			(dBm)	Limit (dBm)	Delta (dB)	Notes	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
1472.60 -23.6 1296.80 -23.3 648.40 -26.0 1472.60 -25.9 1296.80 -23.2 Mid Ch, 836.6MHz 1673.20 -25.9 -25.9	V V H H	3.0		land		(uom)			Low Ch, 82	.2MHz	(100)							
296.80 23.3 648.40 26.0 472.60 25.9 296.80 23.2 hid Ch, 836.6MHz 673.20 25.9	V H H		37.0	1.0	-62.3	-13.0	-49.3		1648.40	-26.4	v	3.0	37.0	1.0	-62.4	-13.0	-49.4	
648.40 26.0 472.60 25.9 296.80 23.2 Nid Ch, 836.6MHz 673.20 25.9	H H		36.4 36.2	1.0	-59.1 -58.5	-13.0	-46.1 -45.5		2472.60 3296.80	-23.4 -23.7	V	3.0 3.0	36.4 36.2	1.0 1.0	-58.8 -58.8	-13.0 -13.0	-45.8 -45.8	
472.60 -25.9 296.80 -23.2 Nid Ch, 836.6MHz 673.20 -25.9	H	3.0	36.2	1.0	-58.5	-13.0 -13.0	-40.0		1648.40	-26.3	Ĥ	3.0	37.0	1.0	-62.3	-13.0	-49.3	
lid Ch, 836.6MHz 673.20 -25.9		3.0	36.4	1.0	-61.3	-13.0	-48.3		2472.60	-26.1	H	3.0	36.4	1.0	-61.6	-13.0	-48.6	
673.20 -25.9	Н	3.0	36.2	1.0	-58.4	-13.0	-45.4		3296.80	-23.3	н	3.0	36.2	1.0	-58.5	-13.0	-45.5	
	W	3.0	37.0	1.0	-61.9	-13.0	-48.9		Mid Ch, 836 1673.20	-26.0	V	3.0	37.0	1.0	-62.0	-13.0	-49.0	
	v	3.0	37.0	1.0	-61.9	-13.0	-48.9 -46.0		2509.80	-26.0	v	3.0	36.4	1.0	-59.1	-13.0	-49.0	
346.40 -23.3	v	3.0	36.1	1.0	-58.5	-13.0	-45.5		3346.40	-23.4	v	3.0	36.1	1.0	-58.6	-13.0	-45.6	
673.20 -26.4	Н	3.0	37.0	1.0	-62.4	-13.0	-49.4		1673.20	-26.4	Н	3.0	37.0	1.0	-62.4	-13.0	-49.4	
509.80 -24.1 346.40 -23.2	H	3.0 3.0	36.4 36.1	1.0	-59.5 -58.4	-13.0	-46.5 -45.4		2509.80	-24.1 -23.5	H	3.0 3.0	36.4 36.1	1.0 1.0	-59.6 -58.7	-13.0 -13.0	-46.6 -45.7	
346.40 -23.2 inh Ch. 848.8MHz	н	3.0	36.1	1.0	-38.4	-13.0	-45.4		High Ch, 84	-23.5 8.8MHz	n	3.0	30.1	1.0	-30.1	-13.0	-43.7	
697.60 -26.4	v	3.0	37.0	1.0	-62.3	-13.0	-49.3		1697.60	-26.5	v	3.0	37.0	1.0	-62.4	-13.0	-49.4	
546.40 -23.7	v	3.0	36.4	1.0	-59.1	-13.0	-46.1		2546.40	-23.7	V	3.0	36.4	1.0	-59.1	-13.0	-46.1	
395.20 -23.2	V	3.0	36.1	1.0	-58.3	-13.0	-45.3		3395.20	-23.4	V	3.0	36.1	1.0	-58.5	-13.0	-45.5	
697.60 -26.0 546.40 -23.4	H	3.0 3.0	37.0 36.4	1.0	-61.9 -58.8	-13.0 -13.0	-48.9 -45.8		1697.60 2546.40	-26.2 -23.8	H	3.0 3.0	37.0 36.4	1.0	-62.1 -59.2	-13.0 -13.0	-49.1 -46.2	
395.20 -23.3	н	3.0	36.1	1.0	-58.4	-13.0	-45.4		3395.20	-23.5	H	3.0	36.1	1.0	-58.6	-13.0	-45.6	
ocation:	39005 RA EUT + Support Chamber A GPRS 1900 MH								Test Engir Configurat Location: Mode:	eer: ion:	39005 RA EUT + Support Chamber A EGPRS 1900 M							
f SG reading	Ant. Pol.	Distance	Preamp	Filter	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	MHz	SG reading	Ant. Pol.	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
MHz (dBm) w Ch, 1850.2MHz	Ant. Pol. (H/V)	(m)	(dB)	(dB)	(dBm)	(dBm)	(dB)	Notes	f MHz Low Ch, 18	(dBm) 0.2MHz	Ant. Pol. (H/V)	(m)	(dB)	(dB)	(dBm)	(dBm)	(dB)	Notes
MHz (dBm) ow Ch, 1850.2MHz 00.40 -18.3	(H/V) V	(m) 3.0	(dB) 35.9	(dB) 1.0	(dBm) -53.2	(dBm) -13.0	(dB) -40.2	Notes	Low Ch, 18 3700.40	(dBm) 0.2MHz -18.5	(H/V) V	(m) 3.0	(dB) 35.9	(dB) 1.0	(dBm)	(dBm)	(dB) -40.4	Notes
MHz (dBm) w Ch, 1850.2MHz 00.40 -18.3 50.60 -14.1	(H/V) V V	(m) 3.0 3.0	(dB) 35.9 35.5	(dB) 1.0 1.0	(dBm) -53.2 -48.6	(dBm) -13.0 -13.0	(dB) -40.2 -35.6	Notes	Low Ch, 18	(dBm) 0.2MHz		(m)	(dB)	(dB)	(dBm)	(dBm)	(dB)	Notes
MHz (dBm) ow Ch, 1850.2MHz 00.40 -18.3 50.60 -14.1 100.80 -13.9	(H/V) V	(m) 3.0	(dB) 35.9	(dB) 1.0	(dBm) -53.2	(dBm) -13.0	(dB) -40.2	Notes	Low Ch, 18 3700.40 5550.60 7400.80 3700.40	(dBm) 0.2MHz -18.5 -14.0 -13.9 -18.0	(H/V) V V V	(m) 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9	(dB) 1.0 1.0 1.0 1.0	(dBm) -53.4 -48.5 -48.7 -52.8	(dBm) -13.0 -13.0 -13.0 -13.0	(dB) .40.4 .35.5 .35.7 .39.8	Notes
MHz (dBm) ow Ch, 1850.2MHz (00.40 -18.3 i50.60 -14.1 (00.80 -13.9 i00.40 -17.9 -17.9 -150.60	(H/V) V V H H	(m) 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5	(dB) 1.0 1.0 1.0 1.0 1.0	(dBm) -53.2 -48.6 -48.6 -52.8 -48.9	(dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0	(dB) -40.2 -35.6 -35.6 -39.8 -35.9	Notes	Low Ch, 18 3700.40 5550.60 7400.80 3700.40 5550.60	(dBm) 0.2MHz -18.5 -14.0 -13.9 -18.0 -14.3	(H/V) V V H H	(m) 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5	(dB) 1.0 1.0 1.0 1.0 1.0	(dBm) -53.4 -48.5 -48.7 -52.8 -48.8	(dBm) -13.0 -13.0 -13.0 -13.0 -13.0	(dB) -40.4 -35.5 -35.7 -39.8 -35.8	Notes
MHz (dBm) ow Ch, 1850.2MHz (00.40 '00.40 -18.3 '50.60 -14.1 100.80 -13.9 '00.40 -17.9 '50.60 -14.4 100.80 -13.5	(H/V) V V V H	(m) 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9	(dB) 1.0 1.0 1.0 1.0	(dBm) -53.2 -48.6 -48.6 -52.8	(dBm) -13.0 -13.0 -13.0 -13.0	(dB) -40.2 -35.6 -35.6 -39.8	Notes	Low Ch, 18 3700.40 5550.60 7400.80 3700.40 5550.60 7400.80	(dBm) 0.2MHz -18.5 -14.0 -13.9 -18.0 -14.3 -13.5	(H/V) V V V	(m) 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9	(dB) 1.0 1.0 1.0 1.0	(dBm) -53.4 -48.5 -48.7 -52.8	(dBm) -13.0 -13.0 -13.0 -13.0	(dB) .40.4 .35.5 .35.7 .39.8	Notes
MHz (dBm) vw Ch, 1850.2MHz (d0.40 506.60 14.1 100.80 13.9 00.40 17.9 50.60 14.4 100.80 17.9 50.60 14.4 100.80 13.5 id Ch, 1880MHz 13.5	(H/V) V V H H	(m) 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5 35.5 35.7	(dB) 1.0 1.0 1.0 1.0 1.0	(dBm) -53.2 -48.6 -48.6 -52.8 -48.9 -48.2	(dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0	(dB) 40.2 35.6 35.6 39.8 35.9 35.9 35.2	Notes	Low Ch, 18 3700.40 5550.60 7400.80 3700.40 5550.60	(dBm) 0.2MHz -18.5 -14.0 -13.9 -18.0 -14.3 -13.5	(H/V) V V H H	(m) 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5	(dB) 1.0 1.0 1.0 1.0 1.0	(dBm) -53.4 -48.5 -48.7 -52.8 -48.8	(dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0	(dB) -40.4 -35.5 -35.7 -39.8 -35.8	Notes
MHz (dBm) ww Ch, 1850.2MHz 00.40 00.40 18.3 50.60 14.1 00.80 13.9 60.60 14.4 00.80 13.5 id Ch, 1880MHz 60.00 40.00 17.9	(H/V) V V H H H V V V	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5 35.7 35.8 35.8 35.5	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) -53.2 -48.6 -48.6 -52.8 -48.9 -48.2 -52.7 -52.7 -47.9	(dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0	(dB) 40.2 35.6 35.6 39.8 35.9 35.2 39.7 34.9	Notes	Low Ch, 18 3700.40 5550.60 7400.80 3700.40 5550.60 7400.80 Mid Ch, 188 3760.00 5540.00	(dBm) 0.2MHz -18.5 -14.0 -13.9 -18.0 -14.3 -13.5 DMHz -18.3 -13.8	(H/V) V V H H H V V V	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5 35.7 35.8 35.8 35.5	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) -53.4 -48.5 -48.7 -52.8 -48.8 -48.2 -53.1 -48.3	(dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0	(dB) 40.4 35.5 35.7 39.8 35.8 35.2 40.1 35.3	Notes
MHz (dBm) vw Ch, 1850.2MHz 00.40 00.40 18.3 550.60 14.1 00.80 13.9 00.40 17.9 550.60 14.4 100.80 13.5 id Ch, 1880MHz 13.5 60.00 17.9 40.00 13.4 20.00 13.4	(H/V) V V H H H V V V V	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5 35.7 35.8 35.5 35.7	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) -53.2 -48.6 -48.6 -52.8 -48.9 -48.2 -52.7 -52.7 -47.9 -48.6	(dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0	(dB) 40.2 35.6 35.6 39.8 35.9 35.9 35.2 39.7 34.9 35.6	Notes	Low Ch, 18 3700.40 5550.60 7400.80 3700.40 5550.60 7400.80 Mid Ch, 188 3760.00 5540.00 7520.00	(dBm) 	(H/V) V V H H H V V V	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5 35.7 35.8 35.7 35.8 35.5 35.7	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) -53.4 -48.5 -48.7 -52.8 -48.8 -48.2 -53.1 -48.3 -48.3 -48.6	(dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0	(dB) 40.4 35.5 35.7 39.8 35.8 35.2 40.1 35.3 35.6	Notes
MHz (dBm) ww Ch, 1850.2MHz 00.40 1.8.3 505.60 1.4.1 100.80 13.5 606.40 17.9 50.60 1.4.4 608.80 13.5 100.80 13.5 606.00 14.4 100.80 13.5 606.00 17.9 100.80 13.4 700.00 13.4 20.00 13.4 60.00 18.3 18.3 19.3	(HV) V V H H H V V V V H	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5 35.7 35.8 35.8 35.5 35.7 35.8	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) -53.2 -48.6 -48.6 -52.8 -48.9 -48.2 -52.7 -47.9 -48.6 -53.1	(dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0	(dB) 40.2 35.6 35.6 35.8 35.9 35.9 35.2 39.7 34.9 35.6 40.1	Notes	Low Ch, 18: 3700.40 5550.60 7400.80 3700.40 5550.60 7400.80 Mid Ch, 188 3760.00 5540.00 7520.00 3760.00	(dBm) 0.2MHz -18.5 -14.0 -13.9 -18.0 -14.3 -13.5 -14.3 -13.5 -14.3 -13.8 -13.8 -13.8 -13.9 -18.3	(H/V) V V H H H V V V V H	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5 35.7 35.8 35.5 35.7 35.8	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) -53.4 -48.5 -48.7 -52.8 -48.8 -48.2 -53.1 -48.3 -48.6 -53.1	(dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0	(dB) 40.4 35.5 35.7 39.8 35.8 35.2 40.1 35.3 35.6 40.1	Notes
MHz (dBm) ww Ch, 1850.2MHz 0040 0040 1.8.3 50.60 1.4.1 00.80 1.3.9 00.80 1.3.5 50.60 1.4.4 100.80 1.3.5 60.60 1.4.4 100.80 1.3.5 60.00 1.7.5 40.00 1.7.4 40.00 1.3.5 50.00 1.8.3 40.00 1.4.1	(HV) V V H H H V V V H H	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) -53.2 -48.6 -52.8 -48.9 -48.9 -48.9 -52.7 -47.9 -48.6 -53.1 -48.5	(dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0	(dB) 40.2 35.6 35.6 35.9 35.9 35.2 35.7 34.9 35.6 40.1 35.5	Notes	Low Ch, 18 3700.40 5550.60 7400.80 3700.40 5550.60 7400.80 Mid Ch, 188 3760.00 5540.00 7520.00	(dBm) :0.2MHz :18.5 :14.0 :13.9 :18.0 :14.3 :13.5 :0MHz :18.3 :13.8 :13.8 :13.8 :13.9 :18.3 :14.1	(H/V) V V H H H V V V	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) -53.4 -48.5 -48.7 -52.8 -48.7 -52.8 -48.7 -52.8 -48.7 -53.1 -48.6 -53.1 -48.6	(dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0	(dB) 40.4 35.5 35.7 39.8 35.8 35.2 40.1 35.3 35.6 40.1 35.6	Notes
NHz (dBm) wor Ch, 1852, GMHz word, 183, 300, 200, 200, 200, 200, 200, 200, 20	(HV) V V H H V V V V H H H	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) -53.2 -48.6 -48.6 -52.8 -48.9 -48.2 -52.7 -47.9 -48.6 -53.1	(dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0	(dB) 40.2 35.6 35.6 35.9 35.9 35.2 39.7 34.9 35.6 40.1 35.5 34.7	Notes	Low Ch, 18 3700.40 5550.60 7400.80 3700.40 5550.60 7400.80 3760.00 5640.00 7520.00 3760.00 5640.00 7520.00 High Ch, 19	(dBm) 0.2MHz 18.5 .14.0 .13.9 18.0 .14.3 .13.5 DMHz .18.3 .13.8 .13.9 .18.3 .13.9 .18.3 .13.9 .18.3 .13.1 .13.	(HV) V V H H H V V V V H H H	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5 35.7 35.8 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) -53.4 -48.5 -48.7 -52.8 -48.7 -52.8 -48.7 -53.1 -48.8 -53.1 -48.6 -53.1 -48.6 -53.1 -48.6 -47.9	(dBm) -13.0 -1	(dB) 40.4 35.5 35.7 39.8 35.8 35.2 40.1 35.5 35.6 40.1 35.6 40.1 35.6 34.9	Notes
MHz (dBm) wor Ch, 1830-20Hz wor Ch, 1830-20Hz 800.40 18.3 900.40 18.3 900.40 13.9 900.40 13.9 900.40 13.9 900.40 13.9 900.40 17.9 556.60 14.4 900.40 17.5 900.40 17.9 900.40 17.9 900.40 17.4 900.41 13.4 900.41 13.4 900.41 13.4 900.41 13.4 900.41 13.4 900.41 13.9 900.41 13.9 910.41 13.0 913.60 17.6	(HV) V V V H H V V V V V H H H V V	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5 35.7 35.8 35.5 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.8 35.7 35.8 35.8 35.7 35.8	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) -53.2 -48.6 -48.6 -52.8 -48.9 -48.9 -48.2 -52.7 -47.9 -48.6 -53.1 -48.5 -47.7 -52.3	(dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0	(dB) 40.2 35.6 35.6 39.8 35.9 35.9 35.2 39.7 34.9 35.6 40.1 35.5 34.7 39.3	Notes	Low Ch, 18 3700.40 5550.60 7400.80 3700.40 5550.60 7400.80 Mid Ch, 188 3760.00 5640.00 7520.00 3760.00 5640.00 7520.00 High Ch, 19 3819.60, 19	(dBm) -0.2MHz -18.5 -14.0 -13.9 -18.0 -14.3 -13.5 -14.3 -13.5 -14.3 -13.8 -13.8 -13.8 -13.8 -13.8 -14.1 -13.1 19.8 MHz -17.9	(HV) V V V H H V V V V V H H H	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) 53.4 48.5 48.7 52.8 48.8 48.2 53.1 48.6 53.1 48.6 47.9 52.7	(dBm) -13.0	(dB) 40.4 35.5 35.7 39.8 35.8 35.2 40.1 35.3 35.6 40.1 35.6 34.9 39.7	Notes
MHz (dBm) 000-Ch 185.3 000-Ch 186.3 000-Ch 186.3 000-Ch 186.3 000-Ch 186.3 000-Ch 185.3 000-Ch 13.5 160-Ch 14.4 000-R0 13.5 160-Ch 17.9 550-C0 14.4 520-C0 13.5 560-00 17.5 560-00 14.1 520-00 13.5 160-Ch 195.8MHz 193-60 17.5 195.40 15.9	(HV) V V H H H V V V V V V V V V V V V V	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) 53.2 48.6 48.6 52.8 48.9 48.9 48.9 48.2 52.7 47.9 48.6 53.1 48.5 47.7 52.3 49.5	(dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0	(dB) 40.2 35.6 35.6 35.8 35.9 35.2 35.7 34.9 35.5 34.9 35.5 34.7 35.5 34.7 35.5 34.7 35.5 36.7 35.6 35.6 35.6 35.6 35.6 35.6 35.6 35.6 35.6 35.6 35.6 35.7	Notes	Low Ch, 18: 3700.40 5550.60 7400.80 3700.40 5550.60 7400.80 Mid Ch, 188 3760.00 5540.00 7520.00 5640.00 7520.00 High Ch, 19 3819.60 5729.40	(dBm) 0.2MHz 18.5 14.0 14.3 14.3 14.3 14.3 14.3 14.3 13.5 MHz 15.9 16.3 16.3 16.3 16.3 16.3 16.3 16.3 17.9 16.3 17.9 16.5 17.9 16.5 17.9 17.5 17.9 17.5	(HV) V V H H H H H H H V V V V V V V V V V V V V	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.7 35.8 35.5 35.7 35.8 35.7 35.8 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.7 35.8 35.5 35.7 35.7 35.8 35.5 35.7 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) 53.4 48.5 48.7 52.4 48.8 48.2 53.1 48.6 53.1 48.6 53.1 48.6 43.5 48.6 47.9 52.7 49.6	(dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0	(dB) 40.4 35.5 35.7 39.8 35.8 35.8 35.8 35.8 35.8 35.6 40.1 35.6 40.1 35.6 40.1 35.6 34.9 39.7 36.6	Notes
MHz (dBm) 000-00 18.3 0700-40 18.3 0700-40 18.3 0700-40 18.3 0700-40 18.3 0700-40 17.9 050-60 14.4 070-40 13.5 060-80 13.5 060-80 13.5 060-80 13.4 090-80 13.5 090-90 14.1 090-90 14.3 090-91 13.0 160-70 14.5 160-70 14.3 161-70 150 17.5 15.6 195-60 17.5 193-20 13.2	(HV) V V H H H V V V H H H V V V V V V V V V V V V V	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.8	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) 53.2 48.6 48.8 52.7 47.9 48.6 52.7 47.9 48.6 52.7 47.9 48.6 53.1 48.5 47.7 52.3 48.6 48.5 48.0	(dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0	(dB) 40.2 35.6 35.6 35.8 35.9 35.9 35.2 39.7 34.9 35.6 40.1 35.5 34.7 	Notes	Low Ch, 18: 3700.40 5550.60 7400.80 3700.40 5559.60 7400.80 Mid Ch, 188 3760.00 5540.00 7520.00 35640.00 7520.00 35640.00 7520.00 3640.00 7520.00 5540.00 5540.00 7520.00 5540.00 7520.00 5540.00 7520.00	(dBm) -0.2MHz -18.5 -14.0 -13.9 -18.0 -14.3 -13.5 -18.0 -14.3 -13.5 -13.8 -13.8 -13.8 -13.8 -13.8 -13.8 -13.8 -14.1 -15.1 -15.1 -15.1 -15.1 -15.5	(HV) V V H H H V V V V V V V V V V V V V	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.8	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) 53.4 48.5 48.7 52.8 48.8 48.8 48.2 53.1 48.6 47.9 52.7 49.6 48.0	(dBm) -13.0	(dB) 40.4 35.5 35.7 39.8 35.8 35.2 40.1 35.3 35.6 35.6 34.9 39.7 36.6 35.0	Notes
MHz (dBm) 000 Ch, 1853, 28Hz 700,40 700,40 18.3 556,60 14.4 400,80 13.5 700,40 17.9 400,80 13.5 700,40 17.9 400,80 13.3 760,00 17.9 760,00 17.3 760,00 13.4 520,00 13.4 520,00 13.4 520,00 14.1 199,50,01 14.3 752,00 15.9 752,40 15.9 639,20 13.2 639,50 13.2 639,50 13.7	(HV) V V H H H V V V V V V V V V V V V V	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5 35.7 35.8 35.7 35.8 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) 53.2 48.6 48.6 52.8 48.9 48.2 52.7 47.9 48.6 53.1 48.5 47.7 52.3 49.5 49.5 49.5 49.5 49.5 49.5	(dBm) 13.0	(dB) 40.2 35.6 35.6 36.8 35.9 35.2 35.7 34.9 35.6 40.1 35.5 34.7 34.7 34.7 34.7 34.3 35.5 34.7 34.5 35.6 35.6 35.6 35.6 35.6 35.6 35.6 35.6 35.6 35.9 35.7 3	Notes	Low Ch, 18: 3700-40 5550-60 7400-80 3700-40 5550-60 7400-80 Mid Ch, 188 3760-00 5540-00 5540-00 5540-00 7520-00 5640-00 7520-00 High Ch, 19 3819-60	(dBm) 0.2MHz -18.5 -14.0 -13.5 -14.0 -13.5 -18.5 -14.3 -13.5 -14.3 -13.5 -14.3 -13.8 -13.9 -18.3 -14.1 -13.5 -18.3 -14.1 -13.5 -18.3 -14.1 -13.5 -18.3 -14.1 -13.5 -18.3 -14.1 -13.5 -18.3 -14.5 -17.9 -18.1 -13.5 -18.3 -17.9 -18.1 -13.5 -18.3 -17.9 -18.1 -13.5 -18.1 -13.5 -18.3 -17.5 -18.3 -17.5 -18.3 -17.9 -18.5 -18.3 -18.3 -18.3 -17.9 -18.5 -18.3 -18.3 -18.3 -18.3 -18.3 -18.3 -18.3 -18.3 -18.3 -18.3 -18.3 -18.3 -18.3 -18.3 -18.3 -18.3 -18.5 -	(HV) V V H H H V V V V V V V V V V V V V	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5 35.7 35.8 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) -53.4 48.5 48.7 -52.8 48.7 -52.8 48.8 48.2 -53.1 48.3 48.6 47.9 -52.7 49.6 48.0 -53.5	(dBm) -13.0	(dB) 40.4 35.5 35.7 39.8 39.8 35.8 35.2 40.1 35.5 35.6 35.6 35.6 35.6 35.6 35.6 35.9 35.7 35.6 35.9 35.7 35.6 35.9 35.7 35.8 35.2 40.1 35.8 35.2 35.8 35.2 35.8 35.8 35.2 35.8 3	Notes
Ihitz (dBm) workh, 1830-28Hz workh, 1830-28Hz workh, 1830-28Hz workh, 1830-28Hz workh, 1830-28Hz workh, 17.9 s50,60 14.4 workh, 1830-28Hz workh, 1830-28Hz workh, 1830-28Hz workh, 17.9 s00,80 13.3 s00,80 13.4 s00,80 13.4 s00,80 13.5 s00,80 14.1 s00,80 14.3 s00,90 14.3 s00,90 14.3 s00,90 14.3 s00,90 14.3 s00,90 15.0 s17,80 15.0 s32,20 13.2	(HV) V V H H H V V V V V V V V H H H H H H H H H H H H H	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.8	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) 53.2 48.6 48.8 52.7 47.9 48.6 52.7 47.9 48.6 52.7 47.9 48.6 53.1 48.5 47.7 52.3 48.6 48.5 48.0	(dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0	(dB) 40.2 35.6 35.6 35.8 35.9 35.9 35.2 39.7 34.9 35.6 40.1 35.5 34.7 	Notes	Low Ch, 18: 3700.40 5550.60 7400.80 3700.40 5559.60 7400.80 Mid Ch, 188 3760.00 5540.00 7520.00 35640.00 7520.00 35640.00 7520.00 3640.00 7520.00 5540.00 7520.00 5540.00 7520.00 5540.00 7520.00	(dBm) -0.2MHz -18.5 -14.0 -13.9 -18.0 -14.3 -13.5 -18.0 -14.3 -13.5 -13.8 -13.8 -13.8 -13.8 -13.8 -13.8 -13.8 -14.1 -15.1 -15.1 -15.1 -15.1 -15.5	(HV) V V H H H V V V V V V V V V V V V V	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.8	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) 53.4 48.5 48.7 52.8 48.8 48.8 48.2 53.1 48.6 47.9 52.7 49.6 48.0	(dBm) -13.0	(dB) 40.4 35.5 35.7 39.8 35.8 35.2 40.1 35.3 35.6 35.6 34.9 39.7 36.6 35.0	Notes
MHz (dBm) 007.1850.20Hz 0.181.30 007.40 18.3 007.40 17.5 007.40 17.5 007.40 17.5 007.40 17.5 007.40 17.5 007.40 13.4 007.40 13.4 007.40 13.4 007.40 13.4 007.40 13.4 007.40 13.4 007.40 13.4 007.40 13.4 007.40 13.4 107.40 13.4 107.40 13.5 107.40 13.4 109.40 13.4 109.41 13.5 109.41 13.6 119.60 17.6 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2	(HV) V V H H H V V V H H H H H H H H H H H H H	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.7 35.7 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.5 35.8 35.5 35.8 35.5 35.8 35.5 35.8 35.5 35.7 35.8 35.5 35.7 35.7 35.7 35.7 35.7 35.7 35.7	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) 53.2 48.6 48.6 52.8 52.8 48.9 48.2 52.7 47.9 48.6 53.1 48.6 53.1 48.6 53.1 48.6 53.1 48.6 53.1 48.6 53.1 48.6 53.1 49.5 49.3	(dBm) 	(dB) 40.2 35.6 35.6 35.9 35.9 35.2 39.7 34.9 35.6 40.1 35.5 34.7 39.3 36.5 35.9 35.5 34.7 39.3 36.5 35.0 40.5 35.6 35.9 35.0 40.5 35.6 35.9 35.0 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.7 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.7 35.6 35.7 35.6 35.6 35.7 35.6 35.7 35.6 35.7 35.6 35.7 35.6 35.7 35.6 35.7 35.6 35.7 35.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 35.6 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.0	Notes	Low Ch, 18 3700, 40 5550, 60 7400, 80 3700, 40 5550, 60 7400, 80 Mid Ch, 18 3760, 00 5640, 00 7520, 00 7500, 00 7500, 00	(dBm) 0.2MHz 16.5 16.5 16.5 16.5 16.5 15.9 13.9 13.5 13.8 13.8 13.8 13.8 13.8 13.8 13.8 13.8 13.8 14.1 15.9 14.1 15.9 15.1 15.1 13.3 16.5 16.	(HV) V V H H H V V H H H H H H	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5 35.7 35.7 35.8 35.5 35.7 35.7 35.7 35.7 35.7 35.7 35.7	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) 53.4 48.5 48.7 52.8 48.8 48.2 53.1 48.6 53.1 48.6 53.1 48.6 53.1 48.6 53.1 48.6 53.1 48.6 53.4 48.9 52.7 49.6 48.0 53.4 48.9 53.4 53.5 53.4 53.4 53.5 53.4 53.5 53.4 53.5	(dBm) -13.0 -1	(dB) 40.4 355 35.7 35.8 35.8 35.8 35.2 35.2 35.3 35.6 35.3 35.6 35.3 35.6 35.3 35.6 35.6 35.6 35.6 35.7 35.7 35.7 35.7 35.7 35.8 35.7 35.7 35.8 35.7 35.8 35.2 35.7 35.8 35.7 35.8 3	Notes
MHz (dBm) 007.1850.20Hz 0.181.30 007.40 18.3 007.40 17.5 007.40 17.5 007.40 17.5 007.40 17.5 007.40 17.5 007.40 13.4 007.40 13.4 007.40 13.4 007.40 13.4 007.40 13.4 007.40 13.4 007.40 13.4 007.40 13.4 007.40 13.4 107.40 13.4 107.40 13.5 107.40 13.4 109.40 13.4 109.41 13.5 109.41 13.6 119.60 17.6 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2	(HV) V V H H H V V V H H H H H H H H H H H H H	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.7 35.7 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.5 35.8 35.5 35.8 35.5 35.8 35.5 35.8 35.5 35.7 35.8 35.5 35.7 35.7 35.7 35.7 35.7 35.7 35.7	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) 53.2 48.6 48.6 52.8 52.8 48.9 48.2 52.7 47.9 48.6 53.1 48.6 53.1 48.6 53.1 48.6 53.1 48.6 53.1 48.6 53.1 48.6 53.1 49.5 49.3	(dBm) 	(dB) 40.2 35.6 35.6 35.9 35.9 35.2 39.7 34.9 35.6 40.1 35.5 34.7 39.3 36.5 35.9 35.5 34.7 39.3 36.5 35.0 40.5 35.6 35.9 35.0 40.5 35.6 35.9 35.0 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.7 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.7 35.6 35.7 35.6 35.6 35.7 35.6 35.7 35.6 35.7 35.6 35.7 35.6 35.7 35.6 35.7 35.6 35.7 35.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 35.6 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.0	Notes	Low Ch, 18 3700, 40 5550, 60 7400, 80 3700, 40 5550, 60 7400, 80 Mid Ch, 18 3760, 00 5640, 00 7520, 00 7500, 00 7500, 00	(dBm) 0.2MHz 16.5 16.5 16.5 16.5 16.5 15.9 13.9 13.5 13.8 13.8 13.8 13.8 13.8 13.8 13.8 13.8 13.8 14.1 15.9 14.1 15.9 15.1 15.1 13.3 16.5 16.	(HV) V V H H H V V H H H H H H	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5 35.7 35.7 35.8 35.5 35.7 35.7 35.7 35.7 35.7 35.7 35.7	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) 53.4 48.5 48.7 52.8 48.8 48.2 53.1 48.6 53.1 48.6 53.1 48.6 53.1 48.6 53.1 48.6 53.1 48.6 53.4 48.9 52.7 49.6 48.0 53.4 48.9 53.4 53.5 53.4 53.4 53.5 53.4 53.5 53.4 53.5	(dBm) -13.0 -1	(dB) 40.4 355 35.7 35.8 35.8 35.8 35.2 35.2 35.3 35.6 35.3 35.6 35.3 35.6 35.3 35.6 35.6 35.6 35.6 35.7 35.7 35.7 35.7 35.7 35.8 35.7 35.7 35.8 35.7 35.8 35.2 35.7 35.8 35.7 35.8 3	Notes
MHz (dBm) 007.1850.20Hz 0.181.30 007.40 18.3 007.40 17.5 007.40 17.5 007.40 17.5 007.40 17.5 007.40 17.5 007.40 13.4 007.40 13.4 007.40 13.4 007.40 13.4 007.40 13.4 007.40 13.4 007.40 13.4 007.40 13.4 007.40 13.4 107.40 13.4 107.40 13.5 107.40 13.4 109.40 13.4 109.41 13.5 109.41 13.6 119.60 17.6 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2	(HV) V V H H H V V V H H H H H H H H H H H H H	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.7 35.7 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.7 35.8 35.5 35.5 35.8 35.5 35.8 35.5 35.8 35.5 35.8 35.5 35.7 35.8 35.5 35.7 35.7 35.7 35.7 35.7 35.7 35.7	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) 53.2 48.6 52.8 48.6 52.8 48.9 48.2 52.7 47.9 48.6 53.1 48.5 48.5 47.7 52.3 48.5 48.5 47.7 52.3 48.5 48.5 48.5 48.5 48.5 48.5 48.5 48.5	(dBm) 	(dB) 40.2 35.6 35.6 35.9 35.9 35.2 39.7 34.9 35.6 40.1 35.5 34.7 39.3 36.5 35.9 35.5 34.7 39.3 36.5 35.0 40.5 35.6 35.9 35.0 40.5 35.6 35.9 35.0 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.7 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.9 35.6 35.7 35.6 35.7 35.6 35.6 35.7 35.6 35.7 35.6 35.7 35.6 35.7 35.6 35.7 35.6 35.7 35.6 35.7 35.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 35.6 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.0	Notes	Low Ch, 18 3700, 40 5550, 60 7400, 80 3700, 40 5550, 60 7400, 80 Mid Ch, 18 3760, 00 5640, 00 7520, 00 7500, 00 7500, 00	(dBm) 0.2MHz 16.5 16.5 16.5 16.5 16.5 15.9 13.9 13.5 13.8 13.8 13.8 13.8 13.8 13.8 13.8 13.8 13.8 14.1 15.9 14.1 15.9 15.1 15.1 13.3 16.5 16.	(HV) V V H H H V V H H H H H H	(m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	(dB) 35.9 35.5 35.7 35.9 35.5 35.7 35.7 35.8 35.5 35.7 35.7 35.7 35.7 35.7 35.7 35.7	(dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(dBm) 33.4 48.5 48.7 52.8 48.8 48.2 53.1 48.3 48.6 47.9 52.7 49.6 48.0 53.5 48.6 47.9 52.7 49.6 48.0 53.1 48.5 53.1 48.5 53.1 54.6 54.6 54.6 54.6 54.6 54.6 54.6 54.6 54.6 54.6 54.6 54.6 54.6 54.6 54.6 54.6 54.6 54.5	(dBm) -13.0 -1	(dB) 40.4 355 35.7 35.8 35.8 35.8 35.2 35.2 35.3 35.6 35.3 35.6 35.3 35.6 35.3 35.6 35.6 35.6 35.6 35.7 35.7 35.7 35.7 35.7 35.8 35.7 35.7 35.8 35.7 35.8 35.2 35.7 35.8 35.7 35.8 3	Kotos

Page 145 of 159