TM 3 & Middle

Reference



	DC CORREC	SENSE:INT	ALIGN OFF	11:57:37 AM Apr 06, 2018	Frequency
enter Freg 15.004	PNO: Fast C IFGain:Low	Trig: Free Run Atten: 30 dB	Avg Type: Log-Pwr	TRACE 2345 TYPE MUSEUM DET PPPPP	
dB/div Ref 20.00	dBm		٢	/kr2 308.2 kHz -55.63 dBm	Auto Tur
g 					Center Fre
.0				-14.36 dBm	15.004500 Mi
0					Start Fre
.0					9.000 ki
2					Stop Fre
0 Remitteiseneidratifingterneteter		opiosity, states for affection of	energi produktion temperatur antiportade.	falmeniyezhigedeghaffhentoniaghaf	2000 B 10 C 200 S 20
art 9 kHz		W 300 kHz		Stop 30.00 MHz 33 ms (40001 pts)	30.000000 M
art 9 kHz Res BW 100 kHz	#VB	W 300 kHz		Stop 30.00 MHz 33 ms (40001 pts)	30.000000 Mi CF Ste 2.999100 Mi
art 9 kHz tes BW 100 kHz R MODE TRC SCL N 1 F	#VB	W 300 kHz	Sweep 5	Stop 30.00 MHz 33 ms (40001 pts)	
art 9 kHz les BW 100 kHz R MODEI TRCI SCL N 1 F	#VB) × 308.2 kHz	W 300 kHz Y F -55,63 dBm	Sweep 5	Stop 30.00 MHz 33 ms (40001 pts)	30.000000 Mi CF Ste 2.999100 Mi Auto Freq Offs
art 9 kHz tes BW 100 kHz R MODE TRC SCL N 1 f	#VB) × 308.2 kHz	W 300 kHz Y F -55,63 dBm	Sweep 5	Stop 30.00 MHz 33 ms (40001 pts)	30.000000 Mi CF Ste 2.999100 Mi
0	#VB) × 308.2 kHz	W 300 kHz Y F -55,63 dBm	Sweep 5	Stop 30.00 MHz 33 ms (40001 pts)	30.000000 Mi CF Ste 2.999100 Mi Auto Freq Offs

RF	50 Q AC CORREC	SENSE:IN	Avg Type: Log-Pwr	12:49:59 PM Apr 06, 2018 TRACE 2 3 4 5 0 TYPE MUNICIPAL	Frequency
	PNO: Fa IFGain:L	st 🕞 Trig: Free Run w Atten: 30 dB		DET PNNNN	
dB/div Ref 20.0	00 dBm		Mkr	6 4.616 45 GHz -46.11 dBm	Auto Tur
g 0.0 00 .0				-14.36 dBm	Center Fre 5.015000000 GF
	$\langle \rangle^2$	6	$\wedge^3 \wedge^4$		Start Fre 30.000000 Mi
					Stop Fre 10.000000000 GF
art 30 MHz Res BW 1.0 MHz R MODE TRC SCL	×	VBW 3.0 MHz	Sweep 1	Stop 10.000 GHz 8.7 ms (40001 pts) FUNCTION VALUE	CF Ste 997.000000 Mi <u>Auto</u> Mi
N 1 f 2 N 1 f 3 N 1 f 4 N 1 f 5 N 1 f 6 N 1 f 7 1 f f	2.436 51 GH 3.141 64 GH 6.379 89 GH 7.407 80 GH 8.083 02 GH 4.616 45 GH	z43.56 dBm z44.72 dBm z45.54 dBm z45.67 dBm			Freq Offs 0 ł

enter Freq 17.50	D Q AC CORREC 00000000 GHz PN0: Fast (IFGain:Low	Trig: Free Run Atten: 30 dB	Avg Type: Log-Pw		Frequency
) dB/div Ref 20.00		PARCEL OF UD	Mkr3	21.361 375 GHz -38.50 dBm	Auto Tune
0.0 1.00 0.0				-14.36 dtm	Center Free 17.500000000 GH
0.0			a billion shirts and a share at	¢ ²	Start Free 10.000000000 GH
0.0 0.0 0.0					Stop Fre 25.000000000 GH
tart 10.000 GHz Res BW 1.0 MHz	#VE	W 3.0 MHz	Sweep	Stop 25.000 GHz 40.0 ms (40001 pts)	CF Ste 1.50000000 GH Auto Ma
1 N 1 f 2 N 1 f 3 N 1 f 5 5 6	24,609 625 GHz 21,897 250 GHz 21,361 375 GHz	-36.57 dBm -38.04 dBm -38.50 dBm	Parentar Parentar was	FORCHONVALOE	Freq Offse 0 H
7 8 9 0 1 2					
G			STAT	rus	

TM 3 & Highest

Reference



High Band-edge



		C CORREC	SENSE: II		ALIGN OFF Type: Log-Pwr	12:00:03 PM Apr 06, 2018 TRACE 2 3 4 5 0	Frequency
nter Fred	15.004500	PNO: Fast IFGain:Low	Trig: Free Run Atten: 30 dB		Type. Log-Pwi	TYPE MWWWW DET P P P P P	
dB/div R	tef 20.00 dBn	n			Γ	//kr2 287.9 kHz -56.21 dBm	Auto Tun
g .0 .0 .0						-13.73 dBm	Center Fre 15.004500 MH
0							Start Fre 9.000 ki
o 🍋 🖌 🦲 🛶							
0 Unglained	alleringsprotestickel sys	1,01,m2,42%,0,00,04421249		purhetaideepurgsport	na Mandhalf a toraig na a ghaa a dh	annannin (Waikinhanninhaann	
art 9 kHz			3W 300 kHz	partafeter taganga		Stop 30.00 MHz 33 ms (40001 pts)	30.000000 Mi
art 9 kHz les BW 100	0 kHz	#VE ×	3W 300 kHz -56.21 dBm	FUNCTION		Stop 30.00 MHz	Stop Fre 30.00000 MH CF Ste 2.999100 MH <u>Auto</u> Ma
art 9 kHz es BW 10	0 kHz	#VE	3W 300 kHz Y		Sweep 5	Stop 30.00 MHz 33 ms (40001 pts)	30.000000 MH CF Ste 2.999100 MH

IBm			Mkr		
Q1			WIRI-	44.78 dBm	Auto Tune
				-13.73 oBm	Center Free 5.015000000 GH
$\diamond^3 \diamond^2$		4		ال ان ال محمد الا	Start Fre 30.000000 MH
				تعنقان معمدان محمد محمد	Stop Fre 10.000000000 GH
	0.0				CF Ste 997.000000 MH
× 2.460 94 GHz 2.995 58 GHz 2.645 38 GHz 5.781 19 GHz	12,77 dBm -43,65 dBm -44,14 dBm -44,78 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Auto Ma Freq Offse 0 H
	#VBI 2.460.94 GHz 2.995.58 GHz 2.645.39 GHz	#VBW 3.0 MHz 2.460 94 GHz 2.460 94 GHz 2.460 94 GHz 43.66 dBm 2.645 39 GHz 44.14 dBm	#VBW 3.0 MHz 2.460 94 GHz 12.77 dBm 2.956 58 GHz -43.65 dBm 2.645 39 GHz -43.65 dBm	#VBW 3.0 MHz Sweep 18 X Y 2.460 94 GHz 12.77 dBm 2.995 58 GHz -43.65 dBm 2.645 39 GHz -43.65 dBm	X Y Function Function width Function value 2.995 58 GHz 44.14 dBm 5.781 19 GHz 44.78 dBm 10.000 GHz

RL RF 5	0 Q AC CORREC	SENSE:INT	ALIGN OFF	12:00:29 PM Apr 06, 2018	E
enter Freq 17.5	D0000000 GHz PNO: Fast IFGain:Low	Trig: Free Run Atten: 30 dB	Avg Type: Log-Pwr	TYPE MULTIN	Frequency
0 dB/div Ref 20.0			Mkr3 2	2.366 000 GHz -38.71 dBm	Auto Tun
og 10.0 0.00				-1373 68m	Center Fre 17.500000000 GH
80.0 00.0 10.0				• ³ − ¢ ² - ¹	Start Fre 10.000000000 GH
50.0 4446444444 50.0					Stop Fre 25.000000000 GH
tart 10.000 GHz Res BW 1.0 MHz	#VI	BW 3.0 MHz	Sweep 4	Stop 25.000 GHz 0.0 ms (40001 pts)	CF Ste 1.50000000 GH Auto Ma
1 N 1 F 2 N 1 F 3 N 1 F 4 6 6 6 7 8	24,934 750 GHz 23,629 750 GHz 22,366 000 GHz	-35,57 dBm -38,57 dBm -38,71 dBm			Freq Offse
9					

TM 4 & Lowest

Reference



Low Band-edge



enter Fr	req 15.004500	MHz PNO: Fast	SENSE:INT	Avg	ALIGN OFF Type: Log-Pwr	12:03:00 PM Apr 06, 2018 TRACE 2 3 4 5 TYPE MONTH	Frequency
dB/div	Ref 20.00 dBm	IFGain:Low	Atten: 30 dB		N	/kr2 282.7 kHz -55.17 dBm	Auto Tun
•g).0 00 .0						-13 65 @94	Center Fre 15.004500 MH
1.0							Start Fre 9.000 k⊦
	ารอาร์การ์หม่องสารเหลือที่สุดไหล	พลงรุ่มอูร์จ่างระบาร์สาขางเม	net and the state of	فيلو والمساحد المراو أسلوه	นี่รูลที่เหรือจากที่เรา แต่เหลาะเสระ	าสู่ปรึกลีเสียงเหมืองรู้ให้เหลือไห้เหลือ	Stop Fre 30.000000 Mi
art 9 kH	7					Stop 30.00 MHz	05.014
Res BW	100 kHz	×		FUNCTION	FUNCTION WIDTH	33 ms (40001 pts) FUNCTION VALUE	CF Ste 2.999100 MH Auto Ma
R MODE TR	100 kHz RC SCL >			FUNCTION			2.999100 MH
	100 kHz RC SCL >	282.7 kHz	√ -55.17 dBm	FUNCTION			2.999100 Mł <u>Auto</u> Mł Freq Offs

RF 50	PNO: Fast		Avg	ALIGNAUTO Type: Log-Pwr	12:51:44 PM Apr 06, 2018 TRACE 1 2 3 4 5 6 TYPE MUMMUM DET P N N N N N	Frequency
10 dB/div Ref 20.00				Mkr4	4 6.251 53 GHz -44.68 dBm	Auto Tune
• g 10.0 0.00 10.0	↓ ↓ 1 				-13.55 dBm	Center Fre 5.015000000 GH
20.0	2			a constituit de la constituit de const	attest ()	Start Fre 30.000000 MH
50.0					اندائی در ان کار کار کار کار	Stop Fre 10.000000000 GH
tart 30 MHz Res BW 1.0 MHz		BW 3.0 MHz			Stop 10.000 GHz 8.7 ms (40001 pts)	CF Ste 997.000000 MH
MYR MODE TRC SCL 1 N 1 f 2 N 1 f 3 N 1 f 4 N 1 f 5	× 2.412 83 GHz 3.218 90 GHz 5.843 01 GHz 6.251 53 GHz	¥ 12.85 dBm -42.65 dBm -44.64 dBm -44.68 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Auto Ma Freq Offse 0 H
8 9 10 11 11						

RL	RF	50 Q AC	CORREC	SENS	E:INT		ALIGN OFF	12:03:27	PM Apr 06, 2018	Francisco
enter F	req 17.	50000000	PNO: Fast G	Trig: Free F Atten: 30 d		Avg Typ	e: Log-Pwr	TY	CE 123450 PE MUMUUUU ET P P P P P P	Frequency
0 dB/div	Ref 20	.00 dBm					Mkr3 1		625 GHz 02 dBm	Auto Tun
og 10.0 1.00 0.0									-13 65 dBm	Center Fre 17.500000000 GH
0.0 0.0 0.0				→ ³				\diamond^2	\$1	Start Fre 10.000000000 GH
0.0 0.0 0.0										Stop Fre 25.000000000 GH
KR MODE T	1.0 MHz	×		V 3.0 MHz			Sweep 4	0.0 ms (4	0000 GHz 0001 pts)	CF Ste 1.50000000 GH <u>Auto</u> Ma
2 N 1 3 N 1 4 5 6	f f f	22.339	250 GHz 375 GHz 625 GHz	-36,91 dBi -38,71 dBi -40.02 dBi	n					Freq Offse 0 H
7 8 9 0										
2										

TM 4 & Middle

Reference



RL RF 50 ລ 🥼		SENSE:INT	🛆 ALIGN OFF	12:04:56 PM Apr 06, 2018	Frequency
nter Freg 15.00450	DO MHz PNO: Fast IFGain:Low	Trig: Free Run Atten: 30 dB	Avg Type: Log-Pwr	TRACE 2345 TYPE MUSEUM DET PPPPP	
dB/div Ref 20.00 dE	3m		Λ	/kr2 281.9 kHz -54.68 dBm	Auto Tun
9 0 					Center Fre 15.004500 MH
0				-14.28 dBm	
0					Start Fre 9.000 kH
	an a	.gimeitesianstiinstaalsen	nder haniser nietael of energy enter	412.000.000.000.000.000.000.000.000.000.0	200 B 10 S 20 S
		ydanterianadiainadaaban W 300 kHz		Stop 30.00 MHz 33 ms (40001 pts)	Stop Fro 30.000000 MH CF Ste 2.999100 MH
Image: constraint of the second sec	#VB\ × 281.9 kHz	W 300 kHz -54,68 dBm		Stop 30.00 MHz 33 ms (40001 pts)	30.000000 MH CF Ste 2.999100 MH
ATT 9 kHz es BW 100 kHz N 11 f	#VB\	W 300 kHz	Sweep 5.	Stop 30.00 MHz 33 ms (40001 pts)	30.000000 MH CF Ste 2.999100 MH Auto Freq Offs
art 9 kHz es BW 100 kHz MODE IRC SCL	#VB\ × 281.9 kHz	W 300 kHz -54,68 dBm	Sweep 5.	Stop 30.00 MHz 33 ms (40001 pts)	30.000000 MH CF Ste 2.999100 MH

	RF 5	ΟΩ AC	PNO: Fast	SENSE	Av	ALIGN AUTO	12:53:00 PM Apr 06, 201 TRACE 1 2 3 4 5 TYPE MULTINE DET P NNNN	Frequency
iB/div	Ref 20.0	0 dBm	IFGain:Low	Atten: 30 dB		Mkr	3 9.366 16 GHz -45.21 dBm	Auto Tun
		Ŷ	1				-14,25 (69	Center Fre 5.015000000 GF
0 0 0							3	Start Fre 30.000000 Mi
0								Stop Fro 10.000000000 G
art 30 M es BW MODE TF	1.0 MHz	×	#VB	W 3.0 MHz Y 12.14 dBm	FUNCTION	the second second second second	Stop 10.000 GHz 8.7 ms (40001 pts FUNCTION VALUE	
	f	5.5	535 43 GHz 366 16 GHz	-44.56 dBm -45.21 dBm				Freq Offs 01
						STATUS	3	

enter Freq 17.5000		Trig: Free Run Atten: 30 dB	ALIGN OFF Avg Type: Log-Pwr	12:05:22 PM Apr 06, 2018 TRACE 1 2 3 4 5 TYPE DET P P P P P	Frequency
dB/div Ref 20.00 dE			Mkr3 2	0.782 375 GHz -38.39 dBm	Auto Tune
00 00 00				-14.25 (896)	Center Free 17.500000000 GH
0.0			→ ³	\$2 1	Start Free 10.000000000 GH
0.0					Stop Fre 25.000000000 GH
Res BW 1.0 MHz	#VB\ ×	N 3.0 MHz	Sweep 4	Stop 25.000 GHz 0.0 ms (40001 pts) FUNCTION VALUE	CF Ste 1.50000000 GH Auto Ma
2 N 1 F	24,943 375 GHz 24,169 750 GHz 20,782 375 GHz	-36.69 dBm -36.92 dBm -38.39 dBm			Freq Offse
7 8 9 0 1					
2 2 			STATUS		

TM 4 & Highest

Reference



High Band-edge



RF 50	R 🛕 DC 🕴 CORREC	SENSE:INT	ALIGN AUTO	04:04:54 PM Apr 10, 2018	Frequency
	PNO: Fas IFGain:Lo		Avg Type: Log-Pwr	TRACE 23456 TYPE MULLING DET PNNNNN	· · · · · · · · · · · · · · · · · · ·
dB/div Ref 20.00		W PALEN OU UD	Mkr	2 16.684 7 MHz -60.65 dBm	Auto Tune
00					Center Free 15.004500 MH
0.0 0.0 0.0				-13.62 dBm	Start Free 9.000 kH:
0.0 1 0.0 h hillstyleet methilet h	hat we had a later of the second	a dayaha gira Manasari yang dalamayaran	2 มาโกละสำครมหน่องที่ไดะสาร์คระกังไ	Astholytector Yslathic riteress.	Stop Free 30.000000 MH;
art 9 kHz Res BW 100 kHz		BW 300 kHz		Stop 30.00 MHz 333 ms (40001 pts)	CF Step 2.999100 MH Auto Ma
MODE TRC SCL N 1 f N 1 f	× 281.9 kHz 16.684 7 MHz	Y FL -55.01 dBm -60.65 dBm	INCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offse
				~	

	um Analyzer - S		CORREC	SEN	SE:INT	ALIGNAUTO	04:07:46 PM	Apr 10, 2018	
			PNO: Fast			: Log-Pwr	TRAC	E 123456	Frequency
10 dB/div	Ref 20.00		IFGain:Low	Atten: 30	dB	Mkr	3 5.650	59 GHz 34 dBm	Auto Tune
10.0 0.00 -10.0								-13.62 dBm	Center Freq 5.015000000 GHz
-20.0 -30.0 -40.0					•3				Start Freq 30.000000 MHz
-50.0 -60.0 -70.0									Stop Freq 10.00000000 GHz
Start 30 M #Res BW	1.0 MHz	x	#VE	3W 3.0 MHz Y	FUNCTIO	 weep 18	Stop 10. .67 ms (4		CF Step 997.000000 MHz <u>Auto</u> Man
	f	2.461 4 3.163 3 5.650 5	2 GHz	12.49 dBm -43.77 dBm -44.34 dBm					Freq Offset 0 Hz
								-	
MSG						STATUS	5		





8.5 Radiated spurious emissions

Test Requirements and limit, §15.247(d), §15.205, §15.209

In any 100 kHz bandwidth outside the operating frequency band, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 KHz bandwidth within the band. In case the emission fall within the restricted band specified on 15.205(a) and (b), then the 15.209(a) limit in the table below has to be followed.

- FCC Part 15.209(a) and (b)

Frequency (MHz)	Limit (uV/m)	Measurement Distance (meter)
0.009 - 0.490	2400/F (kHz)	300
0.490 – 1.705	24000/F (kHz)	30
1.705 – 30.0	30	30
30 ~ 88	100 **	3
88 ~ 216	150 **	3
216 ~ 960	200 **	3
Above 960	500	3

** Except as provided in 15.209(g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g. 15.231 and 15.241.

• FCC Part 15.205 (a): Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	MHz	GHz	GHz
0.009 ~ 0.110	8.41425 ~ 8.41475	108 ~ 121.94	1300 ~ 1427	4.5 ~ 5.15	14.47 ~ 14.5
0.495 ~ 0.505	12.29 ~ 12.293	123 ~ 138	1435 ~ 1626.5	5.35 ~ 5.46	15.35 ~ 16.2
2.1735 ~ 2.1905	12.51975 ~ 12.52025	149.9 ~ 150.05	1645.5 ~ 1646.5	7.25 ~ 7.75	17.7 ~ 21.4
4.125 ~ 4.128	12.57675 ~ 12.57725	156.52475 ~	1660 ~ 1710	8.025 ~ 8.5	22.01 ~ 23.12
4.17725 ~ 4.17775	13.36 ~ 13.41	156.52525	1718.8 ~ 1722.2	9.0 ~ 9.2	23.6 ~ 24.0
4.20725 ~ 4.20775	16.42 ~ 16.423	156.7 ~ 156.9	2200 ~ 2300	9.3 ~ 9.5	31.2 ~ 31.8
6.215 ~ 6.218	16.69475 ~ 16.69525	162.0125 ~ 167.17	2310 ~ 2390	10.6 ~ 12.7	36.43 ~ 36.5
6.26775 ~ 6.26825	16.80425 ~ 16.80475	167.72 ~ 173.2	2483.5 ~ 2500	13.25 ~ 13.4	Above 38.6
6.31175 ~ 6.31225	25.5 ~ 25.67	240 ~ 285	2655 ~ 2900		
8.291 ~ 8.294	37.5 ~ 38.25	322 ~ 335.4	3260 ~ 3267		
8.362 ~ 8.366	73 ~ 74.6	399.90 ~ 410	3332 ~ 3339		
8.37625 ~ 8.38675	74.8 ~ 75.2	608 ~ 614	3345.8 ~ 3358		
		960 ~ 1240	3600 ~ 4400		

• FCC Part 15.205(b): The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in §15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in §15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in §15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in §15.35 apply to these measurements.



Test Configuration

Refer to the APPENDIX I.

Test Procedure

- 1. The EUT is placed on a non-conductive table, emission measurements at below 1 GHz, the table height is 80 cm and above 1 GHz, the table height is 1.5 m.
- 2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 1 or 3 m away from the receiving antenna, which is varied from 1 m to 4 m to find out the highest emissions.
- 4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 6. Repeat above procedures until the measurements for all frequencies are complete.



Measurement Instrument Setting for Radiated Emission Measurements.

The radiated emission was tested according to the section 6.3, 6.4, 6.5 and 6.6 of the ANSI C63.10-2013 with following settings.

Peak Measurement

RBW = As specified in below table, VBW \ge 3 x RBW, Sweep = Auto, Detector = Peak, Trace mode = Max Hold until the trace stabilizes.

Frequency	RBW
9-150 kHz	200-300 Hz
0.15-30 MHz	9-10 kHz
30-1000 MHz	100-120 kHz
> 1000 MHz	1 MHz

Average Measurement:

- 1. RBW = 1 MHz (unless otherwise specified).
- 2. VBW ≥ 3 x RBW.
- 3. Detector = RMS (Number of points \geq 2 x Span / RBW)
- 4. Averaging type = power. (i.e., RMS)
- 5. Sweep time = auto.
- 6. Perform a trace average of at least 100 traces.
- 7. A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:
- 1) If power averaging (RMS) mode was used in step 4, then the applicable correction factor is 10 log(1/x), where x is the duty cycle.
- 2) If linear voltage averaging mode was used in step 4, then the applicable correction factor is 20 log(1/x), where x is the duty cycle.
- 3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

Test Mode	Date rate	Duty Cycle (%)	Duty Cycle Correction Factor (dB)		
TM 1	11Mbps	97.37	0.12		
TM 2	6Mbps	98.25	0.08		
TM 3	MCS0	97.92	0.09		
TM 4	MCS0	98.09	0.08		

Duty Cycle Correction factor

Note: Refer to the APPENDIX II.

Test Results: Comply

Please refer to next page for data table and the appendix III for worst data plots.



Tested Frequency	Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
	2370.37	Н	Y	PK	54.03	2.59	N/A	N/A	56.62	74.00	17.38
Lawaat	2369.98	Н	Y	AV	42.48	2.59	0.12	N/A	45.19	54.00	8.81
Lowest	4824.29	Н	Y	PK	49.94	1.49	N/A	N/A	51.43	74.00	22.57
	4823.38	Н	Y	AV	39.00	1.49	0.12	N/A	40.61	54.00	13.39
Middle	4873.54	Н	Y	PK	49.34	1.62	N/A	N/A	50.96	74.00	23.04
Middle	4874.82	Н	Y	AV	39.10	1.62	0.12	N/A	40.84	54.00	13.16
	2487.56	Н	Y	PK	53.78	3.10	N/A	N/A	56.88	74.00	17.12
l linh a st	2487.00	Н	Y	AV	42.46	3.10	0.12	N/A	45.68	54.00	8.32
Highest	4924.13	Н	Y	PK	49.73	1.78	N/A	N/A	51.51	74.00	22.49
	4924.05	Н	Y	AV	38.71	1.78	0.12	N/A	40.61	54.00	13.39

Radiated Spurious Emissions data(9 kHz ~ 25 GHz) : TM 1

Note.

- 1. The radiated emissions were investigated 9kHz to 25GHz. And no other spurious and harmonic emissions were found above listed frequencies.
- 2. Sample Calculation.

Margin = Limit – Result / Result = Reading + T.F + DCCF + DCF / T.F = AF + CL – AG Where, T.F = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain, DCCF = Duty Cycle Correction Factor, DCF = Distance Correction Factor

3. Information of Distance Factor.

For finding emissions, the test distance might be reduced from 3m to 1m. In this case, the distance factor(-9.54dB) is applied to the result.



Tested Frequency	Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
	2388.43	Н	Y	PK	53.51	2.69	N/A	N/A	56.20	74.00	17.80
Louiset	2389.69	н	Y	AV	43.78	2.70	0.08	N/A	46.56	54.00	7.44
Lowest	4824.38	н	Y	PK	49.70	1.49	N/A	N/A	51.19	74.00	22.81
	4823.56	н	Y	AV	39.09	1.49	0.08	N/A	40.66	54.00	13.34
N 41 - 1 - 11 -	4874.49	н	Y	PK	49.79	1.62	N/A	N/A	51.41	74.00	22.59
Middle	4873.50	н	Y	AV	39.01	1.62	0.08	N/A	40.71	54.00	13.29
	2484.87	Н	Y	PK	59.69	3.10	N/A	N/A	62.79	74.00	11.21
l link e et	2483.54	Н	Y	AV	46.17	3.10	0.08	N/A	49.35	54.00	4.65
Highest	4924.04	н	Y	PK	49.96	1.78	N/A	N/A	51.74	74.00	22.26
	4924.15	Н	Y	AV	38.92	1.78	0.08	N/A	40.78	54.00	13.22

Radiated Spurious Emissions data(9 kHz ~ 25 GHz) : <u>TM 2</u>

Note.

- 1. The radiated emissions were investigated 9kHz to 25GHz. And no other spurious and harmonic emissions were found above listed frequencies.
- 2. Sample Calculation.

Margin = Limit – Result / Result = Reading + T.F + DCCF + DCF / T.F = AF + CL – AG Where, T.F = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain, DCCF = Duty Cycle Correction Factor, DCF = Distance Correction Factor

3. Information of Distance Factor.

For finding emissions, the test distance might be reduced from 3m to 1m. In this case, the distance factor(-9.54dB) is applied to the result.



Tested Frequency	Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
	2389.62	Н	Y	PK	54.12	2.70	N/A	N/A	56.82	74.00	17.18
Leuret	2389.90	н	Y	AV	44.27	2.70	0.09	N/A	47.06	54.00	6.94
Lowest	4824.45	н	Y	PK	49.79	1.49	N/A	N/A	51.28	74.00	22.72
	4823.54	н	Y	AV	39.03	1.49	0.09	N/A	40.61	54.00	13.39
N 4: -1 -11 -	4873.14	н	Y	PK	49.87	1.62	N/A	N/A	51.49	74.00	22.51
Middle	4873.17	н	Y	AV	39.07	1.62	0.09	N/A	40.78	54.00	13.22
	2483.61	Н	Y	PK	55.54	3.10	N/A	N/A	58.64	74.00	15.36
Llinhaat	2483.85	н	Y	AV	45.10	3.10	0.09	N/A	48.29	54.00	5.71
Highest	4924.40	н	Y	PK	49.67	1.78	N/A	N/A	51.45	74.00	22.55
	4923.81	Н	Y	AV	38.94	1.78	0.09	N/A	40.81	54.00	13.19

Radiated Spurious Emissions data(9 kHz ~ 25 GHz) : TM 3

Note.

- 1. The radiated emissions were investigated 9kHz to 25GHz. And no other spurious and harmonic emissions were found above listed frequencies.
- 2. Sample Calculation.

Margin = Limit – Result / Result = Reading + T.F+ DCCF + DCF / T.F = AF + CL – AG Where, T.F = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain, DCCF = Duty Cycle Correction Factor, DCF = Distance Correction Factor

3. Information of Distance Factor.

For finding emissions, the test distance might be reduced from 3m to 1m. In this case, the distance factor(-9.54dB) is applied to the result.



Tested Frequency	Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
	2389.13	Н	Y	PK	54.18	2.70	N/A	N/A	56.88	74.00	17.12
Lowest	2389.97	н	Y	AV	44.26	2.70	0.08	N/A	47.04	54.00	6.96
Lowest	4823.48	н	Y	PK	49.85	1.49	N/A	N/A	51.34	74.00	22.66
	4823.33	н	Y	AV	39.03	1.49	0.08	N/A	40.60	54.00	13.40
Middle	4874.90	н	Y	PK	50.10	1.62	N/A	N/A	51.72	74.00	22.28
Middle	4874.80	н	Y	AV	39.09	1.62	0.08	N/A	40.79	54.00	13.21
	2484.45	н	Y	PK	55.71	3.10	N/A	N/A	58.81	74.00	15.19
Llinkest	2483.61	н	Y	AV	44.99	3.10	0.08	N/A	48.17	54.00	5.83
Highest	4924.43	н	Y	PK	50.50	1.78	N/A	N/A	52.28	74.00	21.72
	4924.58	н	Y	AV	38.87	1.78	0.08	N/A	40.73	54.00	13.27

Radiated Spurious Emissions data(9 kHz ~ 25 GHz) : TM 4

Note.

- 1. The radiated emissions were investigated 9kHz to 25GHz. And no other spurious and harmonic emissions were found above listed frequencies.
- 2. Sample Calculation.

Margin = Limit – Result / Result = Reading + T.F+ DCCF + DCF / T.F = AF + CL – AG Where, T.F = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain, DCCF = Duty Cycle Correction Factor, DCF = Distance Correction Factor

3. Information of Distance Factor.

For finding emissions, the test distance might be reduced from 3m to 1m. In this case, the distance factor(-9.54dB) is applied to the result.



8.6 Power-line conducted emissions

Test Requirements and limit, §15.207

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 uH/50 ohm line impedance stabilization network(LISN).

Compliance with the provision of this paragraph shall on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower applies at the boundary between the frequency ranges.

Frequency Range	Conducted Limit (dBuV)					
(MHz)	Quasi-Peak	Average				
0.15 ~ 0.5	66 to 56 *	56 to 46 *				
0.5 ~ 5	56	46				
5 ~ 30	60	50				

* Decreases with the logarithm of the frequency

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

Test Procedure

- 1. The EUT is placed on a wooden table 80 cm above the reference ground plane.
- 2. The EUT is connected via LISN to the test power supply.
- 3. The measurement results are obtained as described below:
- 4. Detectors Quasi Peak and Average Detector.

Test Results: Comply(Refer to next page.)

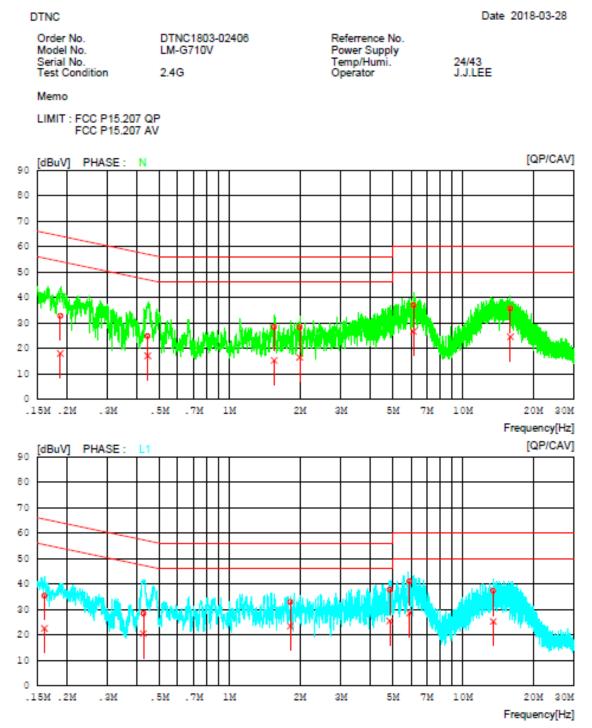
The worst data was reported.

RESULT PLOTS

AC Line Conducted Emissions (Graph)

Test Mode: TM2 & 2462 MHz

Results of Conducted Emission



AC Line Conducted Emissions (List)

Test Mode: TM2 & 2462 MHz

Results of Conducted Emission

DTNC	
Order No. Model No.	DTNC1803-02408 LM-G710V
Serial No. Test Condition	2.4G

Referrence No. Power Supply Temp/Humi. Operator

24/43 J.J.LEE

Date 2018-03-28

Memo

LIMIT : FCC P15.207 QP FCC P15.207 AV

NO	FREQ	READING QP CAV	C.FACTOR	RESULT QP CAV	LIMIT QP CAV	MARGIN QF CAV	PHASE
	[MHs]	[dBuV][dBuV]	[dB]	[dBuV][dBuV]	[dBuV] [dBuV]	[dBuV][dBuV]	1
1	0.18831	22.82 8.04	9.95	32.7717.99	64.11 54.11	31.34 36.12	N
2	0.44566	14.75 7.14	9.98	24.7317.12	56.96 46.96	32.23 29.84	N
3	1.55180	18.44 5.26	10.02	28.4615.28	56.00 46.00	27.54 30.72	N
4	2.00000	18.23 6.45	10.04	28.2716.49	56.00 46.00	27.73 29.51	N
5	6.14420	26.81 16.59	10.11	36.9226.70	60.00 50.00	23.08 23.30	N
6	15.97920	25.3514.24	10.33	35.6824.57	60.00 50.00	24.32 25.43	N
7	0.16101	25.32 12.52	9.98	35.30 22.50	65.41 55.41	30.11 32.91	L1
8	0.42756	18.4210.48	9.98	28.40 20.46	57.30 47.30	28.90 26.84	Ll
9	1.82060	22.91 13.34	10.03	32.9423.37	56.00 46.00	23.0622.63	Ll
10	4.85980	27.5615.35	10.08	37.6425.43	56.00 46.00	18.3620.57	L1
11	5.90580	30.9118.43	10.11	41.0228.54	60.00 50.00	18.98 21.46	Ll
12	13.48760	26.9514.97	10.27	37.22 25.24	60.00 50.00	22.78 24.76	Ll

Test Requirements, RSS-Gen [6.6]

When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99 % emission bandwidth, as calculated or measured.

TEST CONFIGURATION

Refer to the APPENDIX I.

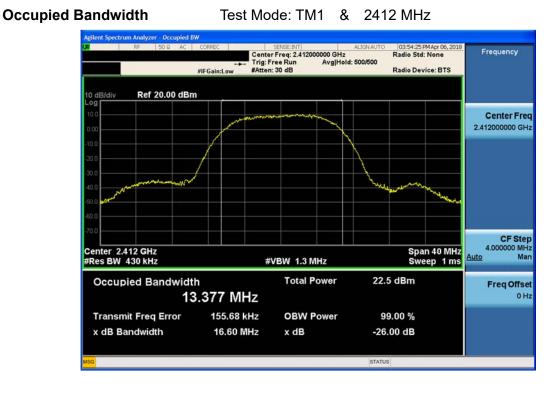
TEST PROCEDURE

- The transmitter shall be operated at its maximum carrier power measured under normal test conditions.
- The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.
- The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the occupied bandwidth (OBW) and video bandwidth (VBW) shall be approximately 3x RBW.

TEST RESULTS: Comply

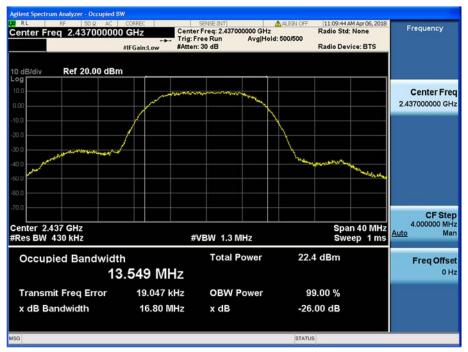
Test Mode	Frequency	Test Results[MHz]
	Lowest	13.377
TM 1	Middle	13.549
	Highest	13.456
	Lowest	16.479
TM 2	Middle	16.718
	Highest	16.548
	Lowest	17.711
ТМ 3	Middle	17.865
	Highest	17.749
	Lowest	17.700
TM 4	Middle	17.902
	Highest	17.750

RESULT PLOTS



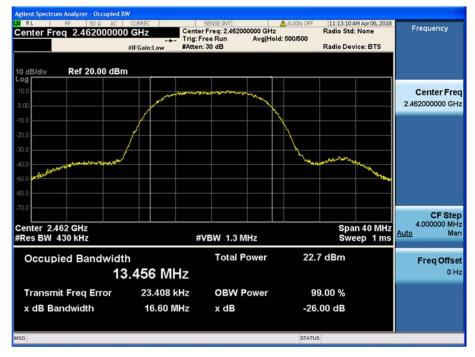
Occupied Bandwidth

Test Mode: TM1 & 2437 MHz





Test Mode: TM1 & 2462 MHz





Test Mode: TM2 & 2412 MHz



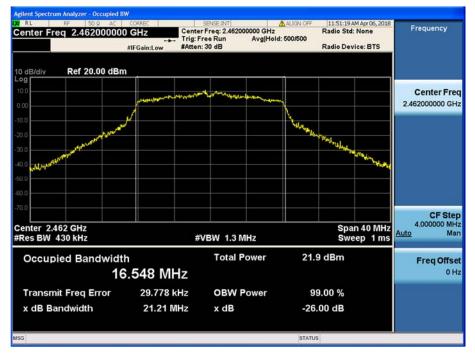
Occupied Bandwidth

Test Mode: TM2 & 2437 MHz





Test Mode: TM2 & & 2462 MHz



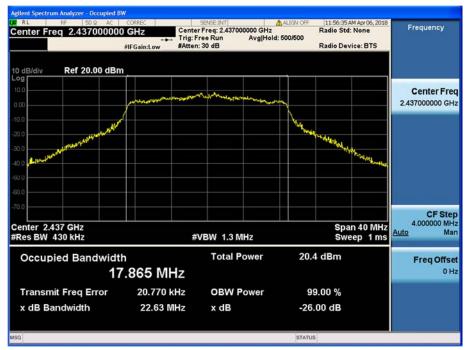


Test Mode: TM3 & 2412 MHz



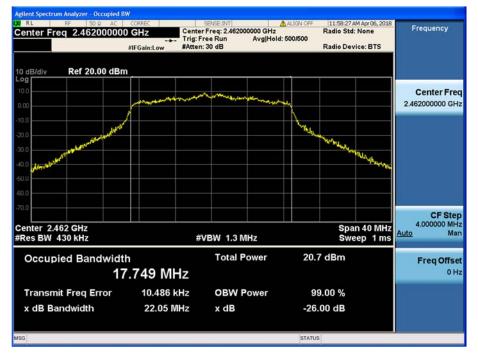
Occupied Bandwidth

Test Mode: TM3 & 2437 MHz





Test Mode: TM3 & 2462 MHz

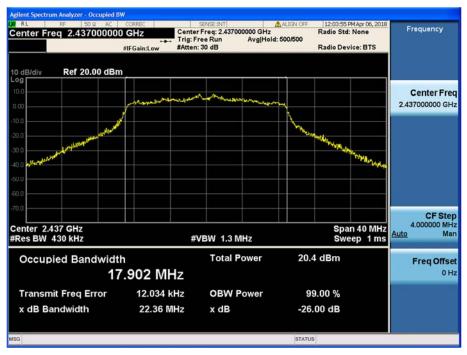


Test Mode: TM4 & 2412 MHz



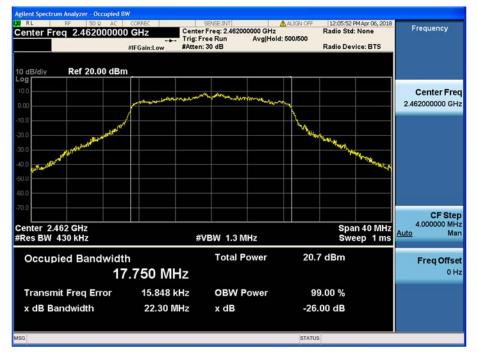
Occupied Bandwidth

Test Mode: TM4 & 2437 MHz





Test Mode: TM4 & 2462 MHz



9. LIST OF TEST EQUIPMENT

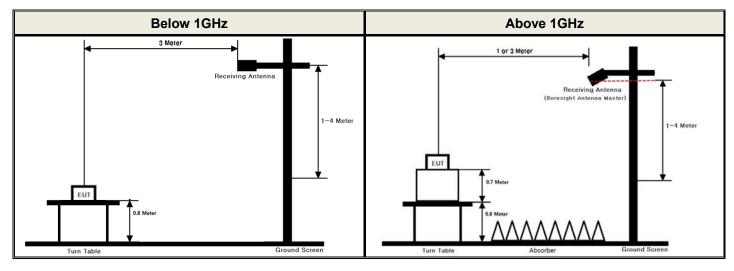
Туре	Manufacturer	Model	Cal.Date (yy/mm/dd)	Next.Cal.Date (yy/mm/dd)	S/N	
Spectrum Analyzer	Agilent	N9020A	17/07/12	18/07/12	US50410399	
Spectrum Analyzer	Agilent	N9020A	18/01/03	19/01/03	MY48011700	
Multimeter	FLUKE	17B	17/12/26	18/12/26	26030065WS	
DC Power Supply	Agilent	66332A	17/09/05	18/09/05	MY43000394	
Signal Generator	Rohde Schwarz	SMBV100A	17/12/27	18/12/27	255571	
Signal Generator	Rohde Schwarz	SMF100A	17/12/27	18/12/27	102341	
Thermohygrometer	BODYCOM	BJ5478	18/01/13	19/01/13	120612-1	
Thermohygrometer	BODYCOM	BJ5478	17/09/11	18/09/11	N/A	
Loop Antenna	ETS	6502	17/03/24	19/03/24	3471	
BILOG ANTENNA	Schwarzbeck	VULB 9160	17/04/14	19/04/14	9160-3339	
Horn Antenna	ETS-Lindgren	3115	17/01/13	19/01/13	9202-3820	
Horn Antenna	Schwarzbeck	BBHA 9120C	17/12/04	19/12/04	9120C-561	
Horn Antenna	A.H.Systems Inc.	SAS-574	17/07/31	19/07/31	155	
PreAmplifier	tsj	MLA-100K01-B01-26	18/02/19	19/02/19	1252741	
PreAmplifier	tsj	MLA-0118-J01-45	18/02/08	19/02/08	17138	
PreAmplifier	tsj	MLA-1840-J02-45	17/10/26	18/10/26	16966-10728	
EMI Test Receiver	Rohde Schwarz	ESR7	17/07/06	18/07/06	100469	
Attenuator	SMAJK	SMAJK-2-3	17/09/06	18/09/06	3	
Attenuator	Aeroflex/Weinschel	56-3	17/12/27	18/12/27	Y2370	
Attenuator	SRTechnology	F01-B0606-01	17/09/07	18/09/07	13092403	
Attenuator	Hefei Shunze	SS5T2.92-10-40	17/12/27	18/12/27	16012202	
Attenuator	SMAJK	SMAJK-50-10	17/09/06	18/09/06	15081903	
High Pass Filter	Wainwright Instruments	WHNX8.0/26.5-6SS	17/12/26	18/12/26	3	
High Pass Filter	Wainwright Instruments	WHKX12-935-1000- 15000-40SS	17/09/05	18/09/05	8	
High Pass Filter	Wainwright Instruments	WHKX10-2838-3300- 18000-60SS	17/09/06	18/09/06	1	
Power Meter & Wide Bandwidth Sensor	Anritsu	ML2496A MA2411B	17/12/27	18/12/27	1338004 1306053	
EMI Test Receiver	Rohde Schwarz	ESCI7	18/02/12	19/02/12	100910	
PULSE LIMITER	Rohde Schwarz	ESH3-Z2	17/09/29	18/09/29	101333	
LISN	Schwarzbeck	NNLK 8121	18/03/20	19/03/20	06183	
Cable	DT&C	CABLE	N/A	N/A	RF-56	
Cable	DT&C	CABLE	N/A	N/A	RF-68	
Cable	DT&C	CABLE	N/A	N/A	RF-71	
Cable	DT&C	CABLE	N/A	N/A	P-IN	
Cable	DT&C	CABLE	N/A	N/A	RF-82	
Cable	JUNFLON	MWX315	N/A	N/A	J12J101978-00	
Cable	Fairview Microwave	FM-F141	N/A	N/A	17050010	
Cable	Fairview Microwave	FM-F141	N/A	N/A	17050011	
Cable	Fairview Microwave	FM-F141	N/A	N/A	17050012	
Cable	Radiall	TESTPRO3	N/A	N/A	RF-74	
Cable	Radiall	TESTPRO3	N/A	N/A	RF-66	

Note: The measurement antennas were calibrated in accordance to the requirements of ANSI C63.5-2017.

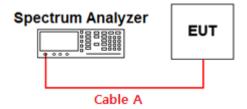
APPENDIX I

Test set up diagrams

Radiated Measurement



Conducted Measurement



Path loss information

Frequency (GHz)	Path Loss (dB)	Frequency (GHz)	Path Loss (dB)
0.03	0.28	15	3.05
1	1.01	20	3.25
2.412 & 2.437 & 2.462	1.71	25	3.47
5	2.34	-	-
10	2.73	-	-

Note 1: The path loss from EUT to Spectrum analyzer was measured and used for test. Path loss (S/A's correction factor) = Cable A (Attenuator, Applied only when it was used externally)

APPENDIX II

Duty cycle plots

Test Procedure

Duty Cycle

Duty Cycle was measured using section 6.0 b) of KDB558074 D01V04 :

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal. Set the center frequency of the instrument to the center frequency of the transmission. Set RBW \geq OBW if possible; otherwise, set RBW to the largest available value. Set VBW \geq RBW. Set detector = peak or average.

The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if T \leq 16.7 microseconds.)

TM 1 Frequency Avg Type: Log-Pwr Trig: Free Run Atten: 40 dB PNO: Fast +++ Auto Tune ∆Mkr3 1.218 m 0.09 dF Ref 30.00 dBm Center Freq 2.437000000 GHz Start Freq 2.437000000 GHz Stop Freq 2.437000000 GHz Center 2.437000000 GHz Res BW 8 MHz Span 0 Hz Sweep 6.000 ms (3001 pts CF Step 8.000000 MHz #VBW 50 MHz Mar 18 10 Freq Offset 18.32 0 0 H STATU

& Middle

Dt&C

TM 2 & Mie

Middle

Duty Cycle

Duty Cycle

	RF		50 Q	AC	COP	RREC		SE	NSE:INT				ALIGN A			8 PM Apr Ot		Frequency
						10: Fast Gain:Lov		Trig: Fre Atten: 4			Avş	ј Туре	: Log-P	'wr	T	TYPE WAN	456 MM4 NNN	Frequency
dB/div	Ref	30.0	00 d	Bm										Δ	Mkr3	2.063		Auto Tune
	a hapha	No. And Sector		1	-utiple	and the second	Χ.	e de la company de la comp	in a starter and the starter a	3	∆4 4 5945		****	~	and point .	mainannai	1 11111	Center Free 2.437000000 GH
																	ļ	Start Free 2.437000000 GH:
																		Stop Free 2.437000000 GH:
ter 2.4 BW 8	MH	z	0 G			#V	BW	50 MHz		- C - D - D	CTION		Sweet			Span (3001	pts)	CF Step 8.000000 MH Auto Mar
Δ2 1 F 1				×		27 ms 70 ms	<u>(Δ)</u>	0.53 18.29 d		FUN	LIIUN	FU	NUTION W	IDIH	FUN	TIUN VALUE		<u>Auto</u> Mar
	t	(Δ)			2.0	63 ms 70 ms	(Δ)	-0.33 18.29 d	dB									Freq Offse 0 Ha

& Middle

TM 3

r 06, 201 Frequency Avg Type: Log-Pwr Trig: Free Run Atten: 40 dB PNO: Fast -IFGain:Low Auto Tune ∆Mkr3 1.927 ms 0.65 dB Ref 30.00 dBm 3∆4 **Center Freq** 2.437000000 GHz Start Freq 2.437000000 GHz Stop Freq 2.437000000 GHz Center 2.437000000 GHz Res BW 8 MHz Span 0 Hz Sweep 10.00 ms (3001 pts) CF Step 8.000000 MHz Man #VBW 50 MHz Auto t (Δ) i (Δ) 17.27 dBr 0.65 dl 17.27 dBr s (Δ) (Δ) Freq Offset 1.927 4.127 0 Hz 10 11 12 STATUS



TM 4

& Middle

Duty Cycle

	CORREC	SENSE:IN		ALIGNAUTO	12:34:39 PM Apr 06, 2018	Frequency
	PNO: Fast	Trig: Free Run Atten: 40 dB	Avg	Type: Log-Pwr	TRACE 2345 D TYPE DET PNNNNN	Frequency
dB/div Ref 30.00 dBm	1			Δ	Mkr3 1.937 ms 0.06 dB	Auto Tu
9g	Hadal) rife an arth Maybor	X	3∆4 Silant Birry	800,0 1,000,000,000,000,000,000	n gen a fan e fan den sjiefe e	Center Fr 2.437000000 G
00 00 00						Start Fr 2.437000000 G
0.0 0.0 0.0						Stop Fr 2.437000000 G
enter 2.437000000 GHz es BW 8 MHz	#VBW	/ 50 MHz		Sweep 10	Span 0 Hz .00 ms (3001 pts)	CF St 8.000000 M
	×	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Auto M
Δ2 1 t (Δ) 2 F 1 t	1.900 ms (∆) 4.087 ms	0.37 dB 17.46 dBm				
Δ4 1 t (Δ) F 1 t	1.937 ms (Δ) 4.087 ms	0.06 dB 17.46 dBm				Freq Off
6						

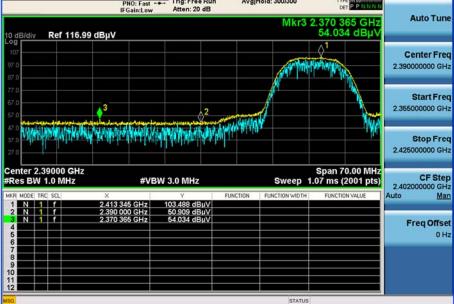
Detector Mode : PK

Frequency

APPENDIX III

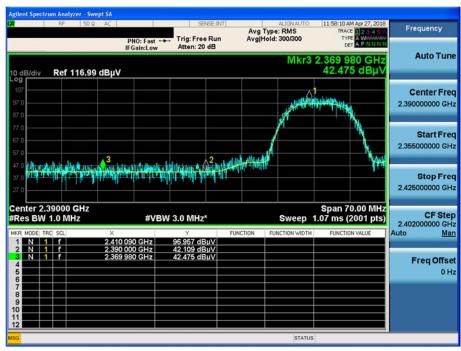
Unwanted Emissions (Radiated) Test Plot

TM 1 & Lowest & Yaxis & Hor Avg Type: Log-Pwr Avg|Hold: 300/300 Trig: Free Run Atten: 20 dB PNO: Fast Ref 116.99 dBµV 0 dB/div 0 **1**3 willing an the factor of the



TM 1 & Lowest & Yaxis & Hor





Detector Mode : PK

TM 1 & Highest & Yaxis & Hor

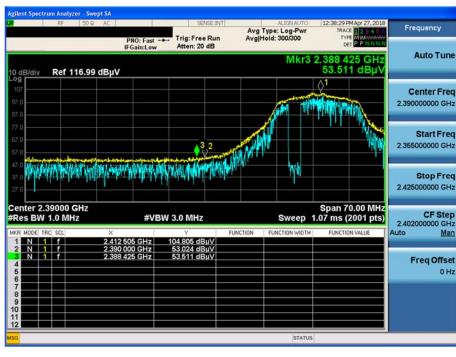


TM 1 & Highest & Yaxis & Hor

Frequency Avg Type: RMS Avg|Hold: 300/300 Trig: Free Run Atten: 20 dB DET A P N N PNO: Fast IFGain:Low Auto Tune Mkr3 2.487 000 GHz 42.463 dBµ\ Ref 116.99 dBµV **Center Freq** 2.483500000 GHz Start Freq 2.448500000 GHz Stop Freq 2.518500000 GHz Center 2.48350 GHz #Res BW 1.0 MHz Span 70.00 MHz 1.07 ms (2001 pts) CF Step 2.40200000 GHz #VBW 3.0 MHz* Sweep Auto Man 42.206 dBµV 42.463 dBµV 2.483 500 GHz 2.487 000 GHz Freq Offset 0 Hz STATUS

TM 2 & Lowest & Yaxis & Hor





TM 2 & Lowest & Yaxis & Hor

Frequency Avg Type: RMS Avg|Hold: 300/300 Trig: Free Run Atten: 20 dB DET A P N N PNO: Fast IFGain:Low Auto Tune Mkr3 2.389 685 GHz 43.781 dBµ\ Ref 116.99 dBµV **Center Freq** 2.39000000 GHz Start Freq 2.355000000 GHz annistationspectation and advector advectors Stop Freq 2.425000000 GHz Center 2.39000 GHz #Res BW 1.0 MHz Span 70.00 MHz 1.07 ms (2001 pts) CF Step 2.40200000 GHz #VBW 3.0 MHz* Sweep Auto Man 43.663 dBµV 43.781 dBµV Freq Offset 0 Hz STATUS

Detector Mode : PK

TM 2 & Highest & Yaxis & Hor

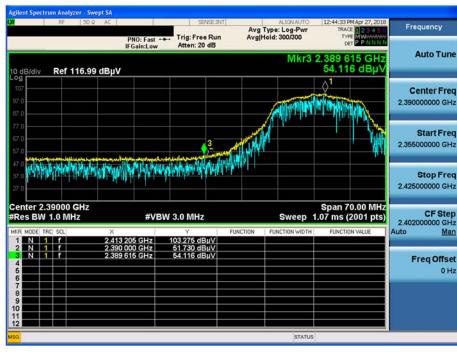


TM 2 & Highest & Yaxis & Hor



TM 3 & Lowest & Yaxis & Hor





TM 3 & Lowest & Yaxis & Hor

Frequency Avg Type: RMS Avg|Hold: 300/300 Trig: Free Run Atten: 20 dB DET A P N N PNO: Fast IFGain:Low Auto Tune Mkr3 2.389 895 GHz 44.265 dBµV Ref 116.99 dBµV **Center Freq** 01 2.39000000 GHz Start Freq 2.355000000 GHz ing quarter application for the sould like to break the sound of the sould like to be sould be to be sould be a Stop Freq 2.425000000 GHz Center 2.39000 GHz #Res BW 1.0 MHz Span 70.00 MHz 1.07 ms (2001 pts) CF Step 2.40200000 GHz #VBW 3.0 MHz* Sweep Auto Man 43.880 dBµ\ 44.265 dBµ\ Freq Offset 0 Hz STATUS

Detector Mode : AV

TM 3 & Highest & Yaxis & Hor





TM 3 & Highest & Yaxis & Hor

Frequency Avg Type: RMS Avg|Hold: 300/300 Trig: Free Run Atten: 20 dB DET A P N N PNO: Fast IFGain:Low Auto Tune Mkr3 2.483 850 GHz 45.103 dBµ\ Ref 116.99 dBµV **Center Freq** 2.483500000 GHz Start Freq 2.448500000 GHz 3 una privile provinske hverde h Stop Freq 2.518500000 GHz Center 2.48350 GHz #Res BW 1.0 MHz Span 70.00 MHz 1.07 ms (2001 pts) CF Step 2.40200000 GHz #VBW 3.0 MHz* Sweep Auto Man 2.483 500 GHz 2.483 850 GHz 44.781 dBµv 45.103 dBµv Freq Offset 0 Hz STATUS

TM 4 & Lowest & Yaxis & Hor





TM 4 & Lowest & Yaxis & Hor

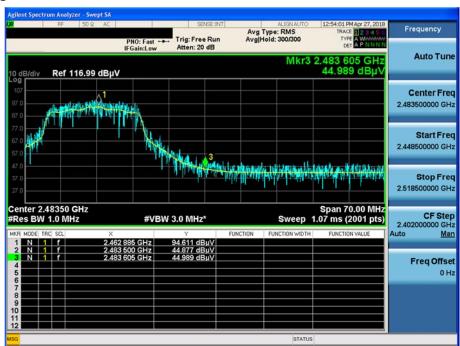
Frequency Avg Type: RMS Avg|Hold: 300/300 Trig: Free Run Atten: 20 dB DET A P N N PNO: Fast IFGain:Low Auto Tune Mkr3 2.389 965 GHz 44.261 dBµ\ Ref 116.99 dBµV **Center Freq** 01 2.39000000 GHz Start Freq 2.355000000 GHz Stop Freq 2.425000000 GHz Center 2.39000 GHz #Res BW 1.0 MHz Span 70.00 MHz 1.07 ms (2001 pts) CF Step 2.40200000 GHz #VBW 3.0 MHz* Sweep Auto Man 43.917 dBµV 44.261 dBµV Freq Offset 0 Hz STATUS

TM 4 & Highest & Yaxis & Hor



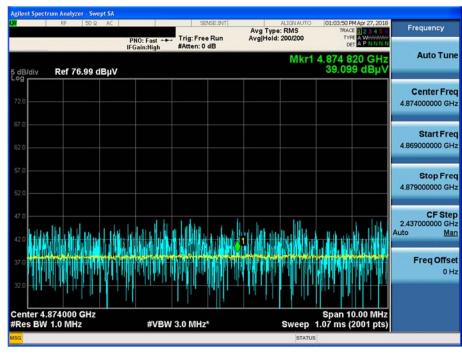


TM 4 & Highest & Yaxis & Hor

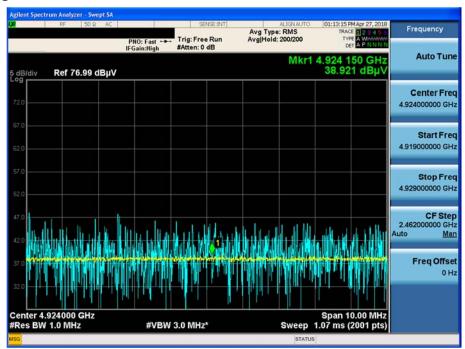


TM 1 & Middle & Yaxis & Hor



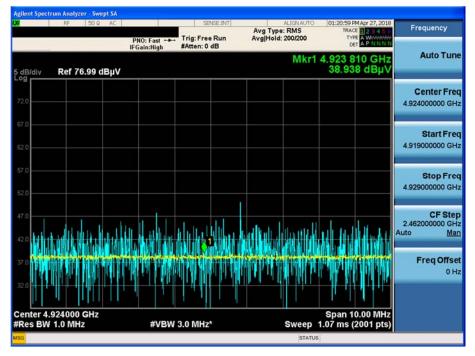


TM 2 & Highest & Yaxis & Hor



Detector Mode : AV

TM 3 & Highest & Yaxis & Hor



TM 4 & Middle & Yaxis & Hor

