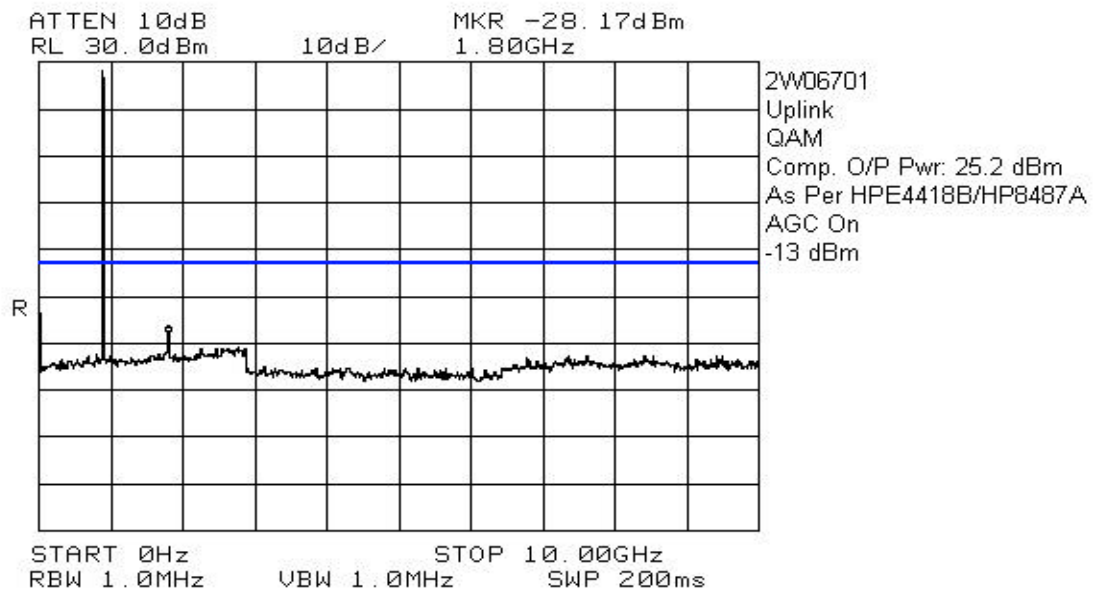
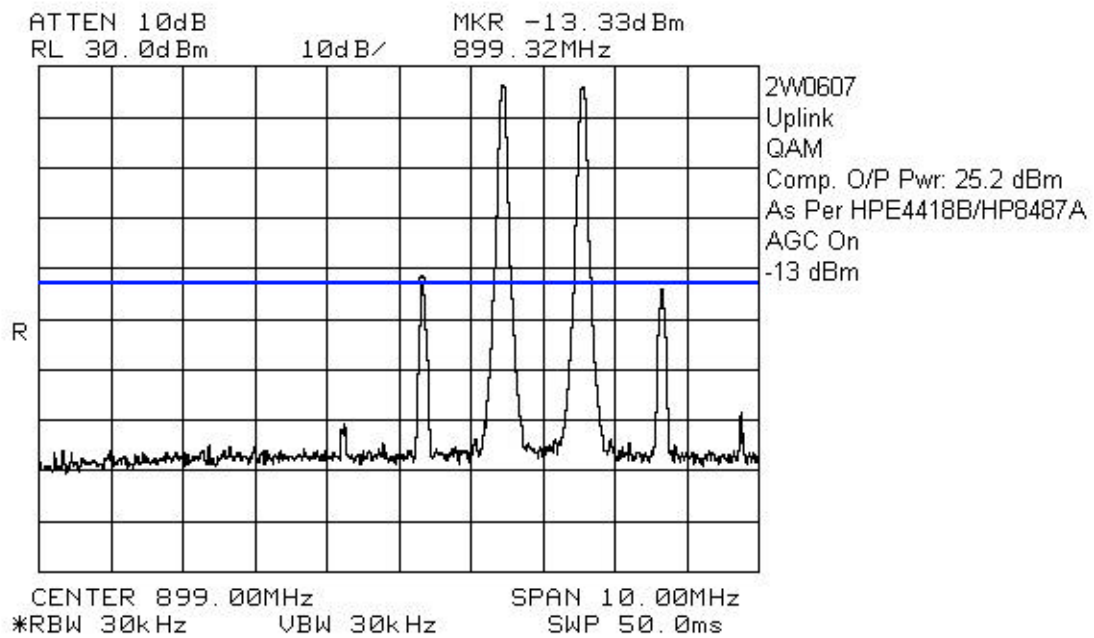
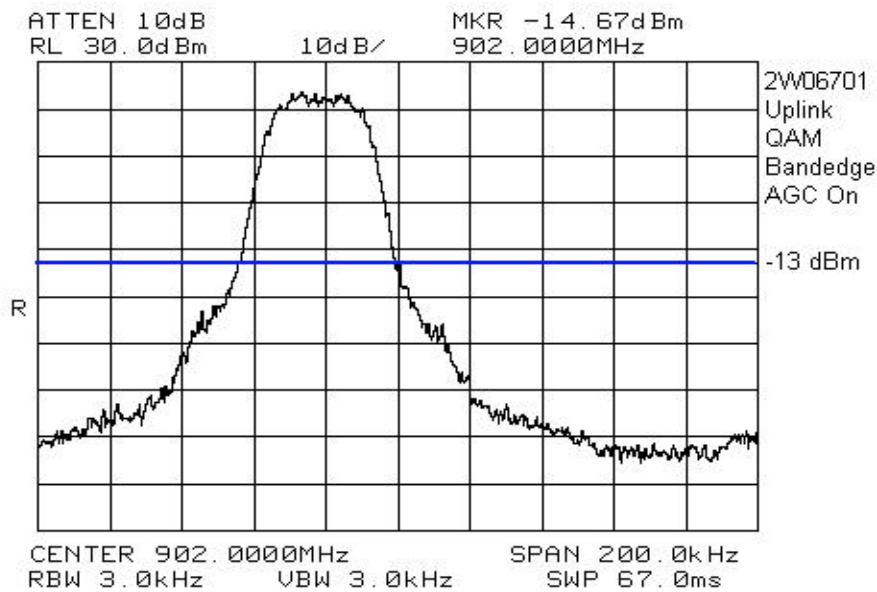
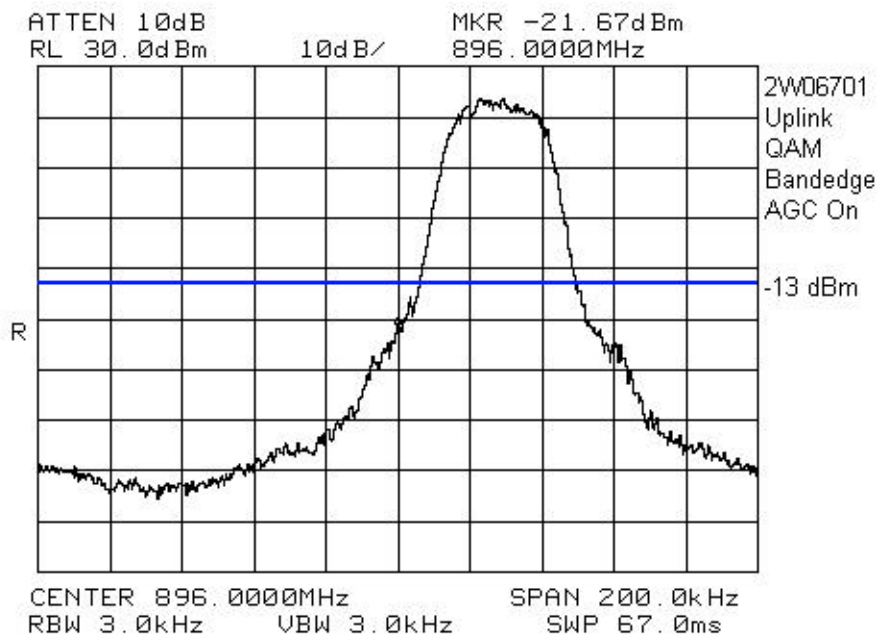


EQUIPMENT: BDA-SMR-2/2W60-N89
FCC ID:QQRBN892W60



EQUIPMENT: BDA-SMR-2/2W60-N89

FCC ID:QQRBN892W60



EQUIPMENT: BDA-SMR-2/2W60-N89

FCC ID:QQRBN892W60

Section 6. Field Strength of Spurious Emissions

Para. No.: 2.993

Test Performed By: Kevin Carr	Date of Test: 20 Dec. 2002
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Minimum Standard: Para. No. 90.210

Test Results: Complied.

Measurement Data: See attached graph(s).

EQUIPMENT: BDA-SMR-2/2W60-N89

FCC ID:QQRBN892W60

Test Data - Radiated Emissions

Test Date: 20 Dec. 2002									
Engineer's Name: Kevin Carr									
Temperature (C?): Indoor: 23 , Outdoor: 07						Humidity %: Indoor:15 , Outdoor: 95			
Tested as per (Table Top/Floor Standing): Table Top									
Test Distance (meters): 3						Range: A			
Freq. (MHz)	Ant.	Pol. V/H	RCVD Signal (dB?V)	Sig Sub. Factor (dB)	Cable Loss (dB)	Signal Substitution Power (dBm)	Limit (dBm)	Margin (dB)	Detector
38.666	BC1	V	34.2	-85.4	0.8	-50.4	-13	37.5	Peak
38.666	BC1	H	25.3	-81.4	0.8	-55.4	-13	42.4	Peak
38.146	BC1	V	32.9	-85.5	0.8	-51.9	-13	38.9	Peak
38.146	BC1	H	24.8	-81.5	0.8	-56.0	-13	43.0	Peak
37.56	BC1	V	31.4	-85.6	0.8	-53.5	-13	40.5	Peak
37.56	BC1	H	24.2	-81.6	0.8	-56.7	-13	43.7	Peak
39.159	BC1	V	34.5	-85.4	0.8	-50.1	-13	37.1	Peak
39.159	BC1	H	25.2	-81.4	0.8	-55.4	-13	42.4	Peak
38.91	BC1	V	32.9	-85.4	0.8	-51.7	-13	38.7	Peak
38.91	BC1	H	24.3	-81.4	0.8	-56.3	-13	43.3	Peak
31.904	BC1	V	26.3	-88.2	0.7	-61.2	-13	48.2	Peak
31.904	BC1	H	19.2	-82.5	0.7	-62.6	-13	49.6	Peak
1620	Horn 1	V	51.4	-121.6	3.5	-66.7	-13	53.7	Peak
1620	Horn 1	H	50.8	-121.9	3.5	-67.5	-13	54.5	Peak
2430	Horn 1	V	63.5	-127.9	5.0	-59.3	-13	46.3	Peak
2430	Horn 1	H	62.8	-127.8	5.0	-60.0	-13	47.0	Peak
3240	Horn 1	V	61.8	-125.3	5.6	-57.8	-13	44.8	Peak
3240	Horn 1	H	62.3	-125.6	5.6	-57.7	-13	44.7	Peak
1720	Horn 1	V	54.5	-120.0	3.8	-61.6	-13	48.6	Peak
1720	Horn 1	H	54.8	-120.4	3.8	-61.8	-13	48.8	Peak
2580	Horn 1	V	62.3	-127.6	6.0	-59.3	-13	46.3	Peak
2580	Horn 1	H	61.8	-127.8	6.0	-60.0	-13	47.0	Peak
3440	Horn 1	V	62.3	-125.8	5.7	-57.8	-13	44.8	Peak
3440	Horn 1	H	60.7	-127.4	5.7	-61.0	-13	48.0	Peak
Note 1: Antenna Legend: BC = Biconical, BL = Bilog, LP = Log-Periodic, Horn = Horn, ED = EMCO Dipole Note 2: Detector Legend: Q-Peak = 120 kHz RBW, Average = 1.0 MHz RBW									
Notes:		AGC On							

EQUIPMENT: BDA-SMR-2/2W60-N89

FCC ID:QQRBN892W60

Radiated Disturbance Results (Cont.):

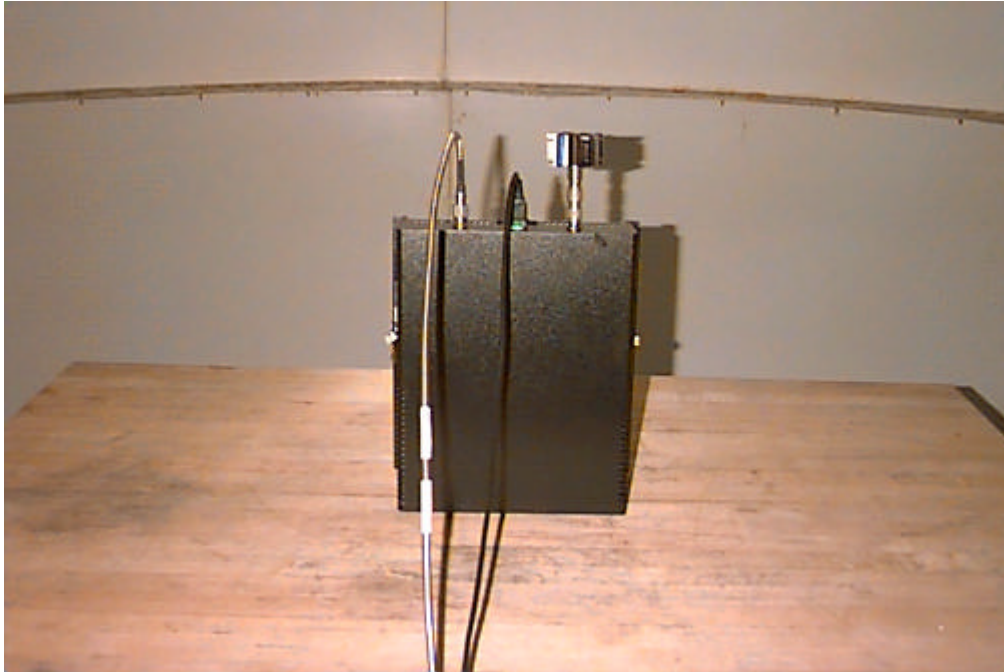
Final Test Result (Please Check One):		☒ Pass	☐ Fail
Were their deviations from the standard test procedure?		☐ Yes	☒ No
If yes, document:			
Has rented equipment been used?		☐ Yes	☒ No
If yes, document:			
Exercise Program: The mode used to exercise the various system components in a manner similar to typical use.		There are no computer or microprocessor parts installed that contain software. The EUT was tested at Mid. frequency of each band, at full O/P power into a 50 ohm load.	

EQUIPMENT: BDA-SMR-2/2W60-N89

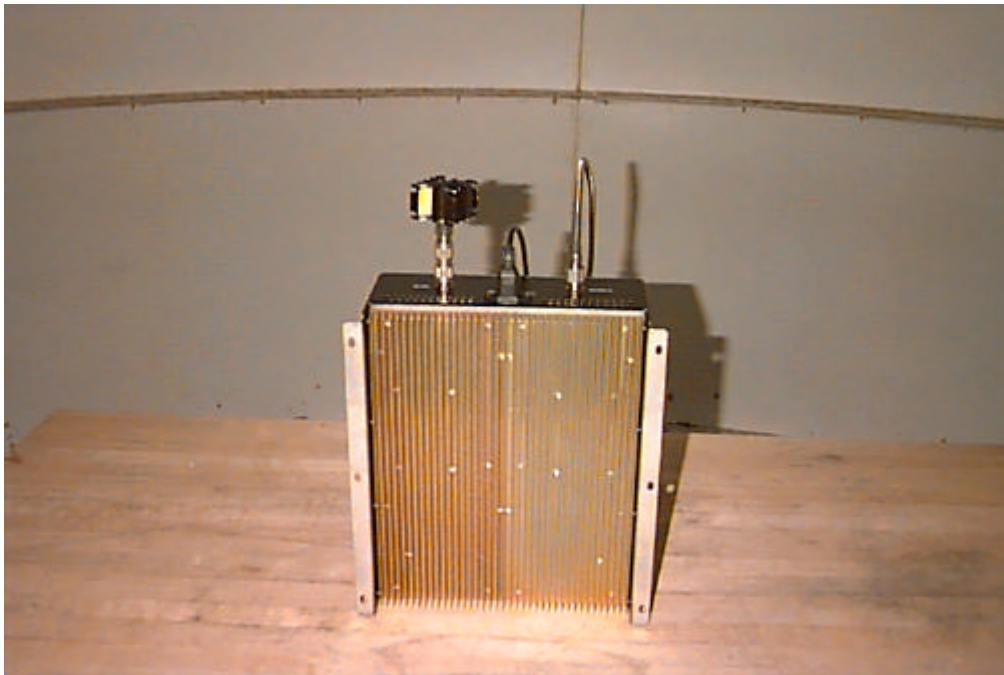
FCC ID:QQRBN892W60

Photographs of Test Setup (Worst Case Configuration)

Front View



Rear View



*EQUIPMENT: BDA-SMR-2/2W60-N89**FCC ID:QQRBN892W60*

Section 7. Test Equipment List

CAL CYCLE	EQUIPMENT	MANUFACTURER	MODEL	SERIAL
1 Year	Spectrum Analyzer	Hewlett Packard	8564E	3846A01407
1 Year	Spectrum Analyzer-1	Hewlett Packard	8566B	2311A02238
1 Year	Spectrum Analyzer Display-1	Hewlett Packard	8566B	2314A04759
1 Year	Attenuator	Narda	768-20	9507
1 Year	Attenuator	Narda	768-10	9707
1 Year	Receiver	Rohde & Schwarz	ESVS-30	843710/002
1 year	Biconilog Antenna	EMCO	3143	1038
1 Year	Horn Antenna	EMCO #2	3115	4336
1 Year	Log Periodic Antenna 1	EMCO	LPA-25	1141
1 Year	Biconical (1) Antenna	EMCO	3109	9204-2708
1 year	50 ? Termination	Wiltron	26N50	605248
1 Year	50 ohm Combiner Pad	Mini Circuits	ZA3PD-2	9746
3 Year	Signal Generator	Rohde & Schwarz	SM1Q03	DE22004
3 Year	Signal Generator	Rhode & Schwarz	SM1Q03E	FA001269
1 Year	RF AMP	JCA	2-4 GHz	FA001496
1 Year	RF AMP	JCA	1-2 GHz	FA001498
1 Year	RF AMP	JCA	4-8 GHz	FA001497
1 Year	Power Meter	Hewlett Packard	E4418B	FA001413
1 Year	Power Sensor	Hewlett Packard	8487A	FA001419

Nemko Canada Inc.

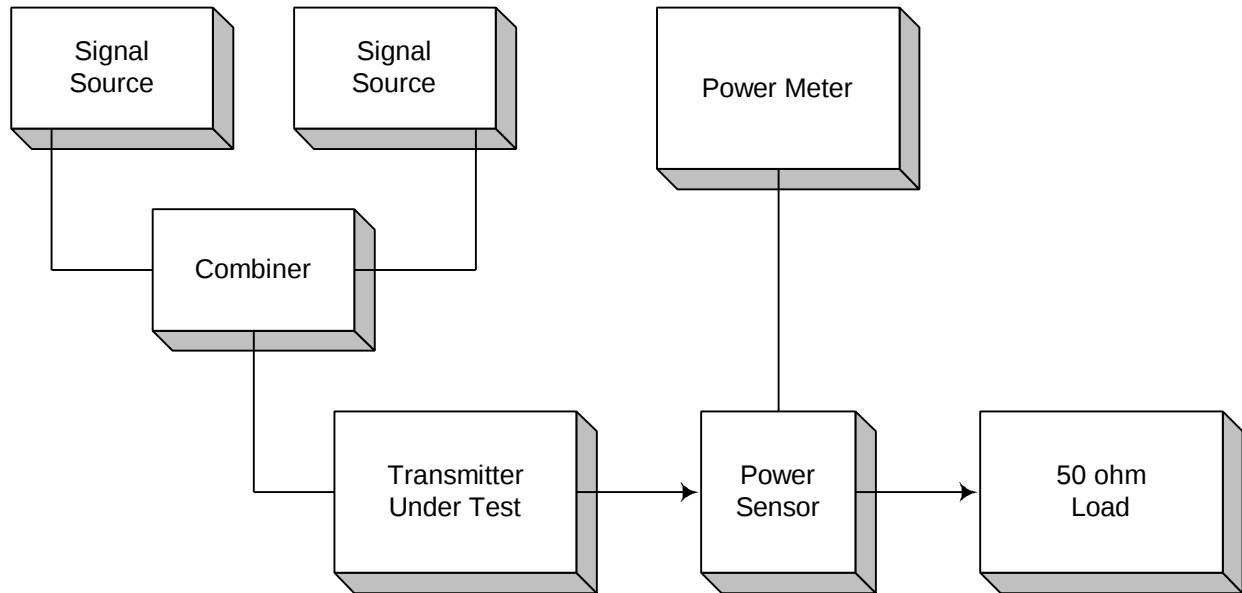
FCC PART 90, SUBPART I
PRIVATE LAND MOBILE REPEATER
PROJECT NO.:2W06701
ANNEX A

EQUIPMENT: BDA-SMR-2/2W60-N89
FCC ID:QQRBN892W60

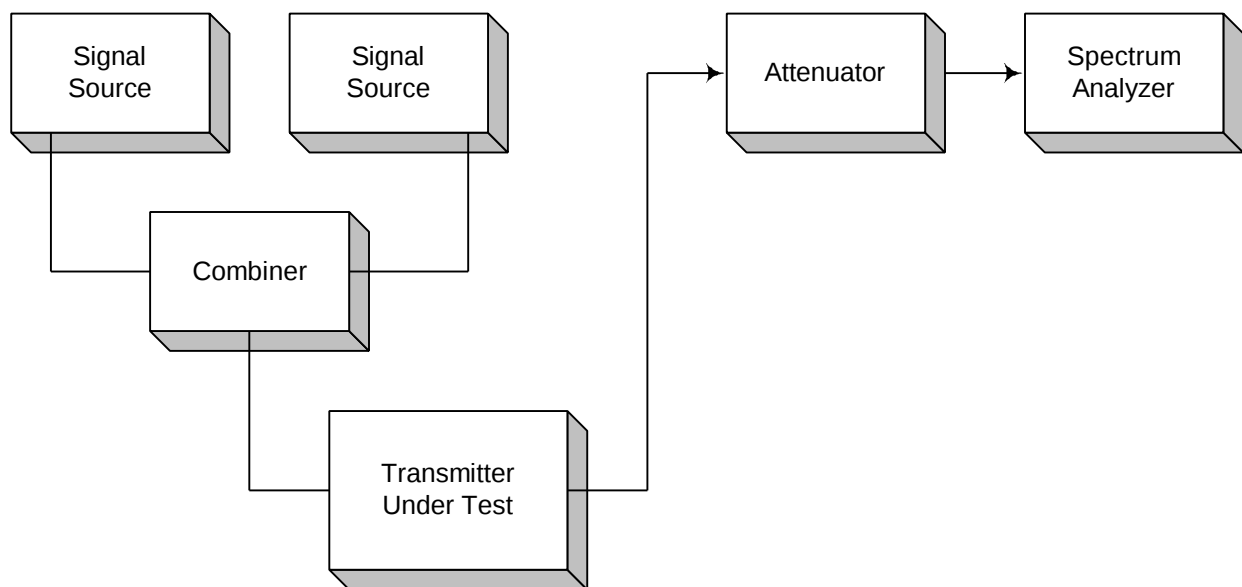
Annex A
Test Diagrams

EQUIPMENT: BDA-SMR-2/2W60-N89
FCC ID:QQRBN892W60

Para. No. 2.985 - R.F. Power Output

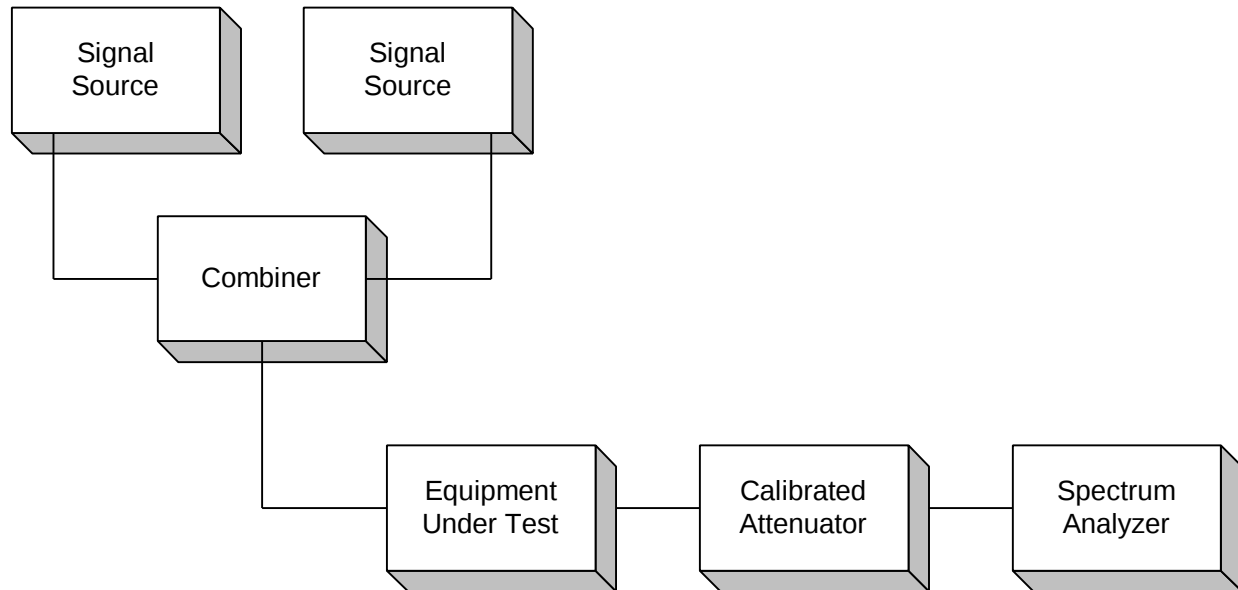


Para. No. 2.989 - Occupied Bandwidth



EQUIPMENT: BDA-SMR-2/2W60-N89
FCC ID:QQRBN892W60

Para. No. 2.991 - Spurious Emissions at Antenna Terminals



Para. No. 2.993 - Field Strength of Spurious Radiation

