

CHANNEL BANDWIDTH: 50MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725.01	25	-1.24	23.76	237.68	1
656000	3840	25.18	-1.24	23.94	247.74	1
663666	3954.99	24.72	-1.24	23.48	222.84	1

CHANNEL BANDWIDTH: 50MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725.01	24.98	-1.24	23.74	236.59	1
656000	3840	25.11	-1.24	23.87	243.78	1
663666	3954.99	24.7	-1.24	23.46	221.82	1

CHANNEL BANDWIDTH: 50MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725.01	24.01	-1.24	22.77	189.23	1
656000	3840	24.06	-1.24	22.82	191.43	1
663666	3954.99	23.79	-1.24	22.55	179.89	1

CHANNEL BANDWIDTH: 50MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725.01	22.29	-1.24	21.05	127.35	1
656000	3840	22.41	-1.24	21.17	130.92	1
663666	3954.99	21.95	-1.24	20.71	117.76	1

CHANNEL BANDWIDTH: 50MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725.01	20.32	-1.24	19.08	80.91	1
656000	3840	20.51	-1.24	19.27	84.53	1
663666	3954.99	20.1	-1.24	18.86	76.91	1

CHANNEL BANDWIDTH: 60MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730.02	24.99	-1.24	23.75	237.14	1
656000	3840	25.19	-1.24	23.95	248.31	1
663332	3949.98	24.8	-1.24	23.56	226.99	1

CHANNEL BANDWIDTH: 60MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730.02	24.99	-1.24	23.75	237.14	1
656000	3840	25.12	-1.24	23.88	244.34	1
663332	3949.98	24.78	-1.24	23.54	225.94	1

CHANNEL BANDWIDTH: 60MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730.02	24.04	-1.24	22.8	190.55	1
656000	3840	24.06	-1.24	22.82	191.43	1
663332	3949.98	23.91	-1.24	22.67	184.93	1

CHANNEL BANDWIDTH: 60MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730.02	22.27	-1.24	21.03	126.77	1
656000	3840	22.47	-1.24	21.23	132.74	1
663332	3949.98	22.12	-1.24	20.88	122.46	1

CHANNEL BANDWIDTH: 60MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730.02	20.41	-1.24	19.17	82.6	1
656000	3840	20.5	-1.24	19.26	84.33	1
663332	3949.98	20.16	-1.24	18.92	77.98	1

CHANNEL BANDWIDTH: 70MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	24.76	-1.24	23.52	224.91	1
656000	3840	25.02	-1.24	23.78	238.78	1
634332	3514.98	24.6	-1.24	23.36	216.77	1

CHANNEL BANDWIDTH: 70MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	24.81	-1.24	23.57	227.51	1
656000	3840	24.92	-1.24	23.68	233.35	1
634332	3514.98	24.52	-1.24	23.28	212.81	1

CHANNEL BANDWIDTH: 70MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	23.76	-1.24	22.52	178.65	1
656000	3840	24.04	-1.24	22.8	190.55	1
634332	3514.98	23.43	-1.24	22.19	165.58	1

CHANNEL BANDWIDTH: 70MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	22.04	-1.24	20.8	120.23	1
656000	3840	22.34	-1.24	21.1	128.82	1
634332	3514.98	21.86	-1.24	20.62	115.35	1

CHANNEL BANDWIDTH: 70MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	20.09	-1.24	18.85	76.74	1
656000	3840	20.29	-1.24	19.05	80.35	1
634332	3514.98	19.94	-1.24	18.7	74.13	1

CHANNEL BANDWIDTH: 80MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740.01	24.89	-1.24	23.65	231.74	1
656000	3840	25.06	-1.24	23.82	240.99	1
662666	3939.99	24.59	-1.24	23.35	216.27	1

CHANNEL BANDWIDTH: 80MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740.01	24.97	-1.24	23.73	236.05	1
656000	3840	25.11	-1.24	23.87	243.78	1
662666	3939.99	24.54	-1.24	23.3	213.8	1

CHANNEL BANDWIDTH: 80MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740.01	23.88	-1.24	22.64	183.65	1
656000	3840	23.91	-1.24	22.67	184.93	1
662666	3939.99	23.65	-1.24	22.41	174.18	1

CHANNEL BANDWIDTH: 80MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740.01	22.15	-1.24	20.91	123.31	1
656000	3840	22.33	-1.24	21.09	128.53	1
662666	3939.99	21.87	-1.24	20.63	115.61	1

CHANNEL BANDWIDTH: 80MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740.01	20.13	-1.24	18.89	77.45	1
656000	3840	20.34	-1.24	19.1	81.28	1
662666	3939.99	19.89	-1.24	18.65	73.28	1

CHANNEL BANDWIDTH: 90MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745.02	24.72	-1.24	23.48	222.84	1
656000	3840	24.85	-1.24	23.61	229.61	1
662332	3934.98	24.59	-1.24	23.35	216.27	1

CHANNEL BANDWIDTH: 90MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745.02	24.8	-1.24	23.56	226.99	1
656000	3840	24.75	-1.24	23.51	224.39	1
662332	3934.98	24.54	-1.24	23.3	213.8	1

CHANNEL BANDWIDTH: 90MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745.02	23.74	-1.24	22.5	177.83	1
656000	3840	23.81	-1.24	22.57	180.72	1
662332	3934.98	23.48	-1.24	22.24	167.49	1

CHANNEL BANDWIDTH: 90MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745.02	22.07	-1.24	20.83	121.06	1
656000	3840	22.1	-1.24	20.86	121.9	1
662332	3934.98	21.74	-1.24	20.5	112.2	1

CHANNEL BANDWIDTH: 90MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745.02	20.09	-1.24	18.85	76.74	1
656000	3840	20.32	-1.24	19.08	80.91	1
662332	3934.98	19.92	-1.24	18.68	73.79	1



BUREAU
VERITAS

Test Report No.: W7L-P23070010RF09

CHANNEL BANDWIDTH: 100MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	25	-1.24	23.76	237.68	1
656000	3840	24.81	-1.24	23.57	227.51	1
662000	3930	24.67	-1.24	23.43	220.29	1

CHANNEL BANDWIDTH: 100MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	24.97	-1.24	23.73	236.05	1
656000	3840	24.74	-1.24	23.5	223.87	1
662000	3930	24.67	-1.24	23.43	220.29	1

CHANNEL BANDWIDTH: 100MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	23.98	-1.24	22.74	187.93	1
656000	3840	23.74	-1.24	22.5	177.83	1
662000	3930	23.67	-1.24	22.43	174.98	1

CHANNEL BANDWIDTH: 100MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	22.16	-1.24	20.92	123.59	1
656000	3840	22.19	-1.24	20.95	124.45	1
662000	3930	21.77	-1.24	20.53	112.98	1

CHANNEL BANDWIDTH: 100MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	20.25	-1.24	19.01	79.62	1
656000	3840	20.19	-1.24	18.95	78.52	1
662000	3930	19.95	-1.24	18.71	74.3	1



BUREAU
VERITAS

Test Report No.: W7L-P23070010RF09

N78(Part27Q)

CHANNEL BANDWIDTH: 10MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630334	3455.01	25.68	-1.24	24.44	277.97	1
633334	3500.01	25.64	-1.24	24.4	275.42	1
636332	3544.98	25.31	-1.24	24.07	255.27	1

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630334	3455.01	25.64	-1.24	24.4	275.42	1
633334	3500.01	25.51	-1.24	24.27	267.3	1
636332	3544.98	25.28	-1.24	24.04	253.51	1

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630334	3455.01	24.63	-1.24	23.39	218.27	1
633334	3500.01	24.54	-1.24	23.3	213.8	1
636332	3544.98	24.22	-1.24	22.98	198.61	1

CHANNEL BANDWIDTH: 10MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630334	3455.01	23.15	-1.24	21.91	155.24	1
633334	3500.01	23.05	-1.24	21.81	151.71	1
636332	3544.98	22.7	-1.24	21.46	139.96	1

CHANNEL BANDWIDTH: 10MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630334	3455.01	21.03	-1.24	19.79	95.28	1
633334	3500.01	20.85	-1.24	19.61	91.41	1
636332	3544.98	20.58	-1.24	19.34	85.9	1

CHANNEL BANDWIDTH: 15MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630500	3457.5	25.86	-1.24	24.62	289.73	1
633334	3500.01	25.69	-1.24	24.45	278.61	1
636166	3542.49	25.43	-1.24	24.19	262.42	1

CHANNEL BANDWIDTH: 15MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630500	3457.5	25.84	-1.24	24.6	288.4	1
633334	3500.01	25.68	-1.24	24.44	277.97	1
636166	3542.49	25.4	-1.24	24.16	260.62	1

CHANNEL BANDWIDTH: 15MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630500	3457.5	24.68	-1.24	23.44	220.8	1
633334	3500.01	24.74	-1.24	23.5	223.87	1
636166	3542.49	24.39	-1.24	23.15	206.54	1

CHANNEL BANDWIDTH: 15MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630500	3457.5	23.3	-1.24	22.06	160.69	1
633334	3500.01	22.96	-1.24	21.72	148.59	1
636166	3542.49	22.84	-1.24	21.6	144.54	1

CHANNEL BANDWIDTH: 15MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630500	3457.5	21.23	-1.24	19.99	99.77	1
633334	3500.01	20.92	-1.24	19.68	92.9	1
636166	3542.49	20.81	-1.24	19.57	90.57	1

CHANNEL BANDWIDTH: 20MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630668	3460.02	25.75	-1.24	24.51	282.49	1
633334	3500.01	25.67	-1.24	24.43	277.33	1
636000	3540	25.47	-1.24	24.23	264.85	1

CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630668	3460.02	25.76	-1.24	24.52	283.14	1
633334	3500.01	25.6	-1.24	24.36	272.9	1
636000	3540	25.45	-1.24	24.21	263.63	1

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630668	3460.02	24.81	-1.24	23.57	227.51	1
633334	3500.01	24.57	-1.24	23.33	215.28	1
636000	3540	24.47	-1.24	23.23	210.38	1

CHANNEL BANDWIDTH: 20MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630668	3460.02	23.16	-1.24	21.92	155.6	1
633334	3500.01	22.99	-1.24	21.75	149.62	1
636000	3540	22.78	-1.24	21.54	142.56	1

CHANNEL BANDWIDTH: 20MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630668	3460.02	21.07	-1.24	19.83	96.16	1
633334	3500.01	20.96	-1.24	19.72	93.76	1
636000	3540	20.78	-1.24	19.54	89.95	1

CHANNEL BANDWIDTH: 30MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631000	3465	25.81	-1.24	24.57	286.42	1
633334	3500.01	25.68	-1.24	24.44	277.97	1
635666	3534.99	25.5	-1.24	24.26	266.69	1

CHANNEL BANDWIDTH: 30MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631000	3465	25.85	-1.24	24.61	289.07	1
633334	3500.01	25.69	-1.24	24.45	278.61	1
635666	3534.99	25.53	-1.24	24.29	268.53	1

CHANNEL BANDWIDTH: 30MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631000	3465	24.69	-1.24	23.45	221.31	1
633334	3500.01	24.75	-1.24	23.51	224.39	1
635666	3534.99	24.33	-1.24	23.09	203.7	1

CHANNEL BANDWIDTH: 30MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631000	3465	23.14	-1.24	21.9	154.88	1
633334	3500.01	23.06	-1.24	21.82	152.05	1
635666	3534.99	22.91	-1.24	21.67	146.89	1

CHANNEL BANDWIDTH: 30MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631000	3465	21.04	-1.24	19.8	95.5	1
633334	3500.01	21.03	-1.24	19.79	95.28	1
635666	3534.99	20.95	-1.24	19.71	93.54	1

CHANNEL BANDWIDTH: 40MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631334	3470.01	25.91	-1.24	24.67	293.09	1
633334	3500.01	25.65	-1.24	24.41	276.06	1
635332	3529.98	25.5	-1.24	24.26	266.69	1

CHANNEL BANDWIDTH: 40MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631334	3470.01	25.93	-1.24	24.69	294.44	1
633334	3500.01	25.64	-1.24	24.4	275.42	1
635332	3529.98	25.48	-1.24	24.24	265.46	1

CHANNEL BANDWIDTH: 40MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631334	3470.01	24.99	-1.24	23.75	237.14	1
633334	3500.01	24.69	-1.24	23.45	221.31	1
635332	3529.98	24.35	-1.24	23.11	204.64	1

CHANNEL BANDWIDTH: 40MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631334	3470.01	23.14	-1.24	21.9	154.88	1
633334	3500.01	23.05	-1.24	21.81	151.71	1
635332	3529.98	22.83	-1.24	21.59	144.21	1

CHANNEL BANDWIDTH: 40MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631334	3470.01	21.19	-1.24	19.95	98.86	1
633334	3500.01	21.09	-1.24	19.85	96.61	1
635332	3529.98	20.78	-1.24	19.54	89.95	1

CHANNEL BANDWIDTH: 50MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631668	3475.02	25.76	-1.24	24.52	283.14	1
633334	3500.01	25.48	-1.24	24.24	265.46	1
635000	3525	25.4	-1.24	24.16	260.62	1

CHANNEL BANDWIDTH: 50MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631668	3475.02	25.73	-1.24	24.49	281.19	1
633334	3500.01	25.47	-1.24	24.23	264.85	1
635000	3525	25.38	-1.24	24.14	259.42	1

CHANNEL BANDWIDTH: 50MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631668	3475.02	24.73	-1.24	23.49	223.36	1
633334	3500.01	24.47	-1.24	23.23	210.38	1
635000	3525	24.44	-1.24	23.2	208.93	1

CHANNEL BANDWIDTH: 50MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631668	3475.02	23.11	-1.24	21.87	153.82	1
633334	3500.01	23.02	-1.24	21.78	150.66	1
635000	3525	22.79	-1.24	21.55	142.89	1

CHANNEL BANDWIDTH: 50MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631668	3475.02	21.14	-1.24	19.9	97.72	1
633334	3500.01	21.01	-1.24	19.77	94.84	1
635000	3525	20.77	-1.24	19.53	89.74	1

CHANNEL BANDWIDTH: 60MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632000	3480	25.8	-1.24	24.56	285.76	1
633334	3500.01	25.39	-1.24	24.15	260.02	1
634666	3519.99	25.44	-1.24	24.2	263.03	1

CHANNEL BANDWIDTH: 60MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632000	3480	25.77	-1.24	24.53	283.79	1
633334	3500.01	25.37	-1.24	24.13	258.82	1
634666	3519.99	25.47	-1.24	24.23	264.85	1

CHANNEL BANDWIDTH: 60MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632000	3480	24.69	-1.24	23.45	221.31	1
633334	3500.01	24.51	-1.24	23.27	212.32	1
634666	3519.99	24.59	-1.24	23.35	216.27	1

CHANNEL BANDWIDTH: 60MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632000	3480	22.98	-1.24	21.74	149.28	1
633334	3500.01	22.81	-1.24	21.57	143.55	1
634666	3519.99	22.7	-1.24	21.46	139.96	1

CHANNEL BANDWIDTH: 60MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632000	3480	21.02	-1.24	19.78	95.06	1
633334	3500.01	20.74	-1.24	19.5	89.13	1
634666	3519.99	20.82	-1.24	19.58	90.78	1

CHANNEL BANDWIDTH: 70MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	25.74	-1.24	24.5	281.84	1
633334	3500.01	25.61	-1.24	24.37	273.53	1
634332	3514.98	25.43	-1.24	24.19	262.42	1

CHANNEL BANDWIDTH: 70MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	25.77	-1.24	24.53	283.79	1
633334	3500.01	25.57	-1.24	24.33	271.02	1
634332	3514.98	25.39	-1.24	24.15	260.02	1

CHANNEL BANDWIDTH: 70MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	24.77	-1.24	23.53	225.42	1
633334	3500.01	24.65	-1.24	23.41	219.28	1
634332	3514.98	24.49	-1.24	23.25	211.35	1

CHANNEL BANDWIDTH: 70MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	23.06	-1.24	21.82	152.05	1
633334	3500.01	22.98	-1.24	21.74	149.28	1
634332	3514.98	22.89	-1.24	21.65	146.22	1

CHANNEL BANDWIDTH: 70MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	21.06	-1.24	19.82	95.94	1
633334	3500.01	20.94	-1.24	19.7	93.33	1
634332	3514.98	20.91	-1.24	19.67	92.68	1

CHANNEL BANDWIDTH: 80MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632668	3490.02	25.68	-1.24	24.44	277.97	1
633334	3500.01	25.47	-1.24	24.23	264.85	1
634000	3510	25.3	-1.24	24.06	254.68	1

CHANNEL BANDWIDTH: 80MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632668	3490.02	25.65	-1.24	24.41	276.06	1
633334	3500.01	25.5	-1.24	24.26	266.69	1
634000	3510	25.26	-1.24	24.02	252.35	1

CHANNEL BANDWIDTH: 80MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632668	3490.02	24.15	-1.24	22.91	195.43	1
633334	3500.01	24.43	-1.24	23.19	208.45	1
634000	3510	24.33	-1.24	23.09	203.7	1

CHANNEL BANDWIDTH: 80MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632668	3490.02	22.95	-1.24	21.71	148.25	1
633334	3500.01	22.74	-1.24	21.5	141.25	1
634000	3510	22.73	-1.24	21.49	140.93	1

CHANNEL BANDWIDTH: 80MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632668	3490.02	20.94	-1.24	19.7	93.33	1
633334	3500.01	20.77	-1.24	19.53	89.74	1
634000	3510	20.79	-1.24	19.55	90.16	1

CHANNEL BANDWIDTH: 90MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633000	3495	25.68	-1.24	24.44	277.97	1
633334	3500.01	25.63	-1.24	24.39	274.79	1
633666	3504.99	25.58	-1.24	24.34	271.64	1

CHANNEL BANDWIDTH: 90MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633000	3495	25.66	-1.24	24.42	276.69	1
633334	3500.01	25.57	-1.24	24.33	271.02	1
633666	3504.99	25.63	-1.24	24.39	274.79	1

CHANNEL BANDWIDTH: 90MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633000	3495	24.7	-1.24	23.46	221.82	1
633334	3500.01	24.64	-1.24	23.4	218.78	1
633666	3504.99	24.55	-1.24	23.31	214.29	1

CHANNEL BANDWIDTH: 90MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633000	3495	22.95	-1.24	21.71	148.25	1
633334	3500.01	22.85	-1.24	21.61	144.88	1
633666	3504.99	22.93	-1.24	21.69	147.57	1

CHANNEL BANDWIDTH: 90MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633000	3495	21.03	-1.24	19.79	95.28	1
633334	3500.01	20.96	-1.24	19.72	93.76	1
633666	3504.99	20.94	-1.24	19.7	93.33	1



Test Report No.: W7L-P23070010RF09

CHANNEL BANDWIDTH: 100MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633334	3500.01	25.45	-1.24	24.21	263.63	1

CHANNEL BANDWIDTH: 100MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633334	3500.01	25.45	-1.24	24.21	263.63	1

CHANNEL BANDWIDTH: 100MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633334	3500.01	24.37	-1.24	23.13	205.59	1

CHANNEL BANDWIDTH: 100MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633334	3500.01	22.77	-1.24	21.53	142.23	1

CHANNEL BANDWIDTH: 100MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633334	3500.01	20.76	-1.24	19.52	89.54	1



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Test Report No.: W7L-P23070010RF09

N78(Part270)

CHANNEL BANDWIDTH: 10MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647000	3705	25	-1.24	23.76	237.68	1
650000	3750	24.71	-1.24	23.47	222.33	1
653000	3795	25.22	-1.24	23.98	250.03	1

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647000	3705	24.98	-1.24	23.74	236.59	1
650000	3750	24.65	-1.24	23.41	219.28	1
653000	3795	25.17	-1.24	23.93	247.17	1

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647000	3705	23.91	-1.24	22.67	184.93	1
650000	3750	23.7	-1.24	22.46	176.2	1
653000	3795	24.28	-1.24	23.04	201.37	1

CHANNEL BANDWIDTH: 10MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647000	3705	22.45	-1.24	21.21	132.13	1
650000	3750	22.2	-1.24	20.96	124.74	1
653000	3795	22.66	-1.24	21.42	138.68	1

CHANNEL BANDWIDTH: 10MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647000	3705	20.26	-1.24	19.02	79.8	1
650000	3750	19.95	-1.24	18.71	74.3	1
653000	3795	20.5	-1.24	19.26	84.33	1

CHANNEL BANDWIDTH: 15MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647168	3707.52	25.1	-1.24	23.86	243.22	1
650000	3750	24.87	-1.24	23.63	230.67	1
652832	3792.48	25.31	-1.24	24.07	255.27	1

CHANNEL BANDWIDTH: 15MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647168	3707.52	25.03	-1.24	23.79	239.33	1
650000	3750	24.8	-1.24	23.56	226.99	1
652832	3792.48	25.27	-1.24	24.03	252.93	1

CHANNEL BANDWIDTH: 15MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647168	3707.52	23.93	-1.24	22.69	185.78	1
650000	3750	23.8	-1.24	22.56	180.3	1
652832	3792.48	24.31	-1.24	23.07	202.77	1

CHANNEL BANDWIDTH: 15MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647168	3707.52	22.42	-1.24	21.18	131.22	1
650000	3750	22.11	-1.24	20.87	122.18	1
652832	3792.48	22.61	-1.24	21.37	137.09	1

CHANNEL BANDWIDTH: 15MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647168	3707.52	20.43	-1.24	19.19	82.99	1
650000	3750	20.13	-1.24	18.89	77.45	1
652832	3792.48	20.57	-1.24	19.33	85.7	1

CHANNEL BANDWIDTH: 20MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647334	3710.01	24.87	-1.24	23.63	230.67	1
650000	3750	24.75	-1.24	23.51	224.39	1
652666	3789.99	25.32	-1.24	24.08	255.86	1

CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647334	3710.01	24.91	-1.24	23.67	232.81	1
650000	3750	24.68	-1.24	23.44	220.8	1
652666	3789.99	25.3	-1.24	24.06	254.68	1

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647334	3710.01	23.82	-1.24	22.58	181.13	1
650000	3750	23.65	-1.24	22.41	174.18	1
652666	3789.99	24.31	-1.24	23.07	202.77	1

CHANNEL BANDWIDTH: 20MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647334	3710.01	22.38	-1.24	21.14	130.02	1
650000	3750	22.17	-1.24	20.93	123.88	1
652666	3789.99	22.55	-1.24	21.31	135.21	1

CHANNEL BANDWIDTH: 20MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647334	3710.01	20.32	-1.24	19.08	80.91	1
650000	3750	20.1	-1.24	18.86	76.91	1
652666	3789.99	20.61	-1.24	19.37	86.5	1

CHANNEL BANDWIDTH: 30MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647668	3715.02	25.03	-1.24	23.79	239.33	1
650000	3750	25.03	-1.24	23.79	239.33	1
652666	3784.98	25.46	-1.24	24.22	264.24	1

CHANNEL BANDWIDTH: 30MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647668	3715.02	25.08	-1.24	23.84	242.1	1
650000	3750	24.98	-1.24	23.74	236.59	1
652666	3784.98	25.44	-1.24	24.2	263.03	1

CHANNEL BANDWIDTH: 30MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647668	3715.02	23.96	-1.24	22.72	187.07	1
650000	3750	23.91	-1.24	22.67	184.93	1
652666	3784.98	24.41	-1.24	23.17	207.49	1

CHANNEL BANDWIDTH: 30MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647668	3715.02	25.31	-1.24	24.07	255.27	1
650000	3750	22.29	-1.24	21.05	127.35	1
652666	3784.98	22.69	-1.24	21.45	139.64	1

CHANNEL BANDWIDTH: 30MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647668	3715.02	20.36	-1.24	19.12	81.66	1
650000	3750	20.26	-1.24	19.02	79.8	1
652666	3784.98	20.77	-1.24	19.53	89.74	1

CHANNEL BANDWIDTH: 40MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648000	3720	25.16	-1.24	23.92	246.6	1
650000	3750	25.1	-1.24	23.86	243.22	1
652000	3780	25.31	-1.24	24.07	255.27	1

CHANNEL BANDWIDTH: 40MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648000	3720	25.18	-1.24	23.94	247.74	1
650000	3750	25.14	-1.24	23.9	245.47	1
652000	3780	25.34	-1.24	24.1	257.04	1

CHANNEL BANDWIDTH: 40MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648000	3720	24.15	-1.24	22.91	195.43	1
650000	3750	24.08	-1.24	22.84	192.31	1
652000	3780	24.31	-1.24	23.07	202.77	1

CHANNEL BANDWIDTH: 40MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648000	3720	22.45	-1.24	21.21	132.13	1
650000	3750	22.34	-1.24	21.1	128.82	1
652000	3780	22.34	-1.24	21.1	128.82	1

CHANNEL BANDWIDTH: 40MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648000	3720	20.51	-1.24	19.27	84.53	1
650000	3750	20.38	-1.24	19.14	82.04	1
652000	3780	20.61	-1.24	19.37	86.5	1

CHANNEL BANDWIDTH: 50MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725.01	25.01	-1.24	23.77	238.23	1
650000	3750	24.93	-1.24	23.69	233.88	1
651666	3774.99	24.86	-1.24	23.62	230.14	1

CHANNEL BANDWIDTH: 50MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725.01	24.97	-1.24	23.73	236.05	1
650000	3750	24.9	-1.24	23.66	232.27	1
651666	3774.99	24.77	-1.24	23.53	225.42	1

CHANNEL BANDWIDTH: 50MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725.01	24.05	-1.24	22.81	190.99	1
650000	3750	23.92	-1.24	22.68	185.35	1
651666	3774.99	23.85	-1.24	22.61	182.39	1

CHANNEL BANDWIDTH: 50MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725.01	22.38	-1.24	21.14	130.02	1
650000	3750	22.22	-1.24	20.98	125.31	1
651666	3774.99	22.08	-1.24	20.84	121.34	1

CHANNEL BANDWIDTH: 50MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725.01	20.56	-1.24	19.32	85.51	1
650000	3750	20.27	-1.24	19.03	79.98	1
651666	3774.99	20.19	-1.24	18.95	78.52	1

CHANNEL BANDWIDTH: 60MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730.02	24.88	-1.24	23.64	231.21	1
650000	3750	24.81	-1.24	23.57	227.51	1
651332	3769.98	24.95	-1.24	23.71	234.96	1

CHANNEL BANDWIDTH: 60MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730.02	24.89	-1.24	23.65	231.74	1
650000	3750	24.7	-1.24	23.46	221.82	1
651332	3769.98	24.93	-1.24	23.69	233.88	1

CHANNEL BANDWIDTH: 60MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730.02	23.84	-1.24	22.6	181.97	1
650000	3750	23.71	-1.24	22.47	176.6	1
651332	3769.98	23.95	-1.24	22.71	186.64	1

CHANNEL BANDWIDTH: 60MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730.02	22.25	-1.24	21.01	126.18	1
650000	3750	22.22	-1.24	20.98	125.31	1
651332	3769.98	22.16	-1.24	20.92	123.59	1

CHANNEL BANDWIDTH: 60MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730.02	20.24	-1.24	19	79.43	1
650000	3750	20.15	-1.24	18.91	77.8	1
651332	3769.98	20.31	-1.24	19.07	80.72	1

CHANNEL BANDWIDTH: 70MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649000	3735	24.95	-1.24	23.71	234.96	1
650000	3750	24.87	-1.24	23.63	230.67	1
651000	3765	24.95	-1.24	23.71	234.96	1

CHANNEL BANDWIDTH: 70MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649000	3735	24.99	-1.24	23.75	237.14	1
650000	3750	24.86	-1.24	23.62	230.14	1
651000	3765	24.89	-1.24	23.65	231.74	1

CHANNEL BANDWIDTH: 70MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649000	3735	23.95	-1.24	22.71	186.64	1
650000	3750	23.82	-1.24	22.58	181.13	1
651000	3765	23.9	-1.24	22.66	184.5	1

CHANNEL BANDWIDTH: 70MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649000	3735	22.22	-1.24	20.98	125.31	1
650000	3750	25.42	-1.24	24.18	261.82	1
651000	3765	22.15	-1.24	20.91	123.31	1

CHANNEL BANDWIDTH: 70MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649000	3735	20.26	-1.24	19.02	79.8	1
650000	3750	20.14	-1.24	18.9	77.62	1
651000	3765	20.18	-1.24	18.94	78.34	1

CHANNEL BANDWIDTH: 80MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740.01	24.74	-1.24	23.5	223.87	1
650000	3750	24.76	-1.24	23.52	224.91	1
650666	3759.99	24.92	-1.24	23.68	233.35	1

CHANNEL BANDWIDTH: 80MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740.01	24.87	-1.24	23.63	230.67	1
650000	3750	24.76	-1.24	23.52	224.91	1
650666	3759.99	24.92	-1.24	23.68	233.35	1

CHANNEL BANDWIDTH: 80MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740.01	23.8	-1.24	22.56	180.3	1
650000	3750	23.64	-1.24	22.4	173.78	1
650666	3759.99	23.95	-1.24	22.71	186.64	1

CHANNEL BANDWIDTH: 80MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740.01	22.12	-1.24	20.88	122.46	1
650000	3750	24.21	-1.24	22.97	198.15	1
650666	3759.99	22.05	-1.24	20.81	120.5	1

CHANNEL BANDWIDTH: 80MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740.01	20.13	-1.24	18.89	77.45	1
650000	3750	20.05	-1.24	18.81	76.03	1
650666	3759.99	20.27	-1.24	19.03	79.98	1

CHANNEL BANDWIDTH: 90MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745.02	24.95	-1.24	23.71	234.96	1
650000	3750	24.97	-1.24	23.73	236.05	1
650332	3754.98	25.02	-1.24	23.78	238.78	1

CHANNEL BANDWIDTH: 90MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745.02	24.96	-1.24	23.72	235.5	1
650000	3750	24.94	-1.24	23.7	234.42	1
650332	3754.98	24.95	-1.24	23.71	234.96	1

CHANNEL BANDWIDTH: 90MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745.02	23.93	-1.24	22.69	185.78	1
650000	3750	23.8	-1.24	22.56	180.3	1
650332	3754.98	23.9	-1.24	22.66	184.5	1

CHANNEL BANDWIDTH: 90MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745.02	22.24	-1.24	21	125.89	1
650000	3750	22.24	-1.24	21	125.89	1
650332	3754.98	22.07	-1.24	20.83	121.06	1

CHANNEL BANDWIDTH: 90MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745.02	20.19	-1.24	18.95	78.52	1
650000	3750	20.25	-1.24	19.01	79.62	1
650332	3754.98	20.22	-1.24	18.98	79.07	1

CHANNEL BANDWIDTH: 100MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	25.05	-1.24	23.81	240.44	1

CHANNEL BANDWIDTH: 100MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	25.03	-1.24	23.79	239.33	1

CHANNEL BANDWIDTH: 100MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	24.04	-1.24	22.8	190.55	1

CHANNEL BANDWIDTH: 100MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	22.12	-1.24	20.88	122.46	1

CHANNEL BANDWIDTH: 100MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	20.21	-1.24	18.97	78.89	1



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Test Report No.: W7L-P23070010RF09

MIMO Mode:
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CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
515000	2575	24.97	3.05	28.02	633.91	2
519000	2595	25	3.05	28.05	638.31	2
523000	2615	25	3.05	28.05	638.31	2

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
515000	2575	24.28	3.05	27.33	540.79	2
519000	2595	24.42	3.05	27.47	558.51	2
523000	2615	24.34	3.05	27.39	548.31	2

CHANNEL BANDWIDTH: 10MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
515000	2575	22.91	3.05	25.96	394.48	2
519000	2595	22.93	3.05	25.98	396.31	2
523000	2615	23	3.05	26.05	402.74	2

CHANNEL BANDWIDTH: 10MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
515000	2575	20.05	3.05	23.10	204.19	2
519000	2595	20.11	3.05	23.16	207.03	2
523000	2615	20.24	3.05	23.29	213.32	2

CHANNEL BANDWIDTH: 15MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
515500	2577.5	25.17	3.05	28.22	663.79	2
519000	2595	25.26	3.05	28.31	677.69	2
522500	2612.5	25.13	3.05	28.18	657.7	2

CHANNEL BANDWIDTH: 15MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
515500	2577.5	24.52	3.05	27.57	571.52	2
519000	2595	24.55	3.05	27.60	575.48	2
522500	2612.5	24.56	3.05	27.61	576.81	2

CHANNEL BANDWIDTH: 15MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
515500	2577.5	23.11	3.05	26.16	413.08	2
519000	2595	23.19	3.05	26.24	420.76	2
522500	2612.5	23.21	3.05	26.26	422.7	2

CHANNEL BANDWIDTH: 15MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
515500	2577.5	20.23	3.05	23.28	212.83	2
519000	2595	20.35	3.05	23.40	218.79	2
522500	2612.5	20.34	3.05	23.39	218.29	2

CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
516000	2580	25.02	3.05	28.07	641.25	2
519000	2595	25.25	3.05	28.30	676.13	2
522000	2610	25.24	3.05	28.29	674.57	2

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
516000	2580	24.47	3.05	27.52	564.98	2
519000	2595	24.68	3.05	27.73	592.97	2
522000	2610	24.58	3.05	27.63	579.47	2

CHANNEL BANDWIDTH: 20MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
516000	2580	23.1	3.05	26.15	412.13	2
519000	2595	23.24	3.05	26.29	425.63	2
522000	2610	23.31	3.05	26.36	432.54	2

CHANNEL BANDWIDTH: 20MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
516000	2580	20.25	3.05	23.30	213.81	2
519000	2595	20.26	3.05	23.31	214.3	2
522000	2610	20.41	3.05	23.46	221.83	2

CHANNEL BANDWIDTH: 30MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
517000	2585	25.47	3.05	28.52	711.26	2
519000	2595	25.47	3.05	28.52	711.26	2
521000	2605	25.57	3.05	28.62	727.83	2

CHANNEL BANDWIDTH: 30MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
517000	2585	24.83	3.05	27.88	613.8	2
519000	2595	24.93	3.05	27.98	628.1	2
521000	2605	24.83	3.05	27.88	613.8	2

CHANNEL BANDWIDTH: 30MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
517000	2585	23.16	3.05	26.21	417.86	2
519000	2595	23.28	3.05	26.33	429.57	2
521000	2605	23.35	3.05	26.40	436.55	2

CHANNEL BANDWIDTH: 30MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
517000	2585	20.48	3.05	23.53	225.44	2
519000	2595	20.53	3.05	23.58	228.05	2
521000	2605	20.58	3.05	23.63	230.69	2

CHANNEL BANDWIDTH: 40MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
518000	2590	25.49	3.05	28.54	714.55	2
519000	2595	25.47	3.05	28.52	711.26	2
520000	2600	25.43	3.05	28.48	704.74	2

CHANNEL BANDWIDTH: 40MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
518000	2590	24.73	3.05	27.78	599.83	2
519000	2595	24.97	3.05	28.02	633.91	2
520000	2600	24.85	3.05	27.90	616.64	2

CHANNEL BANDWIDTH: 40MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
518000	2590	23.26	3.05	26.31	427.59	2
519000	2595	23.28	3.05	26.33	429.57	2
520000	2600	23.56	3.05	26.61	458.17	2

CHANNEL BANDWIDTH: 40MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
518000	2590	20.49	3.05	23.54	225.96	2
519000	2595	20.54	3.05	23.59	228.58	2
520000	2600	20.95	3.05	24.00	251.21	2

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CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
501204	2506.02	25.16	3.29	28.45	699.89	2
518598	2592.99	25.19	3.29	28.48	704.74	2
535998	2679.99	25.08	3.29	28.37	687.12	2

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
501204	2506.02	24.46	3.29	27.75	595.7	2
518598	2592.99	24.54	3.29	27.83	606.78	2
535998	2679.99	24.42	3.29	27.71	590.24	2

CHANNEL BANDWIDTH: 20MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
501204	2506.02	23.14	3.29	26.43	439.57	2
518598	2592.99	23.08	3.29	26.37	433.54	2
535998	2679.99	23.02	3.29	26.31	427.59	2

CHANNEL BANDWIDTH: 20MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
501204	2506.02	20.12	3.29	23.41	219.3	2
518598	2592.99	20.2	3.29	23.49	223.37	2
535998	2679.99	20.03	3.29	23.32	214.8	2

CHANNEL BANDWIDTH: 30MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
502200	2511	25.16	3.29	28.45	699.89	2
518598	2592.99	25.37	3.29	28.66	734.56	2
534996	2674.98	25.21	3.29	28.50	707.99	2

CHANNEL BANDWIDTH: 30MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
502200	2511	24.42	3.29	27.71	590.24	2
518598	2592.99	24.76	3.29	28.05	638.31	2
534996	2674.98	24.55	3.29	27.84	608.18	2

CHANNEL BANDWIDTH: 30MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
502200	2511	23.12	3.29	26.41	437.55	2
518598	2592.99	23.1	3.29	26.39	435.54	2
534996	2674.98	23.06	3.29	26.35	431.55	2

CHANNEL BANDWIDTH: 30MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
502200	2511	20.15	3.29	23.44	220.82	2
518598	2592.99	20.21	3.29	23.50	223.89	2
534996	2674.98	20.17	3.29	23.46	221.83	2

CHANNEL BANDWIDTH: 40MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
503202	2516.01	25.16	3.29	28.45	699.89	2
518598	2592.99	25.38	3.29	28.67	736.26	2
534000	2670	25.46	3.29	28.75	749.95	2

CHANNEL BANDWIDTH: 40MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
503202	2516.01	24.51	3.29	27.80	602.6	2
518598	2592.99	24.63	3.29	27.92	619.48	2
534000	2670	24.68	3.29	27.97	626.66	2

CHANNEL BANDWIDTH: 40MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
503202	2516.01	23.13	3.29	26.42	438.56	2
518598	2592.99	23.12	3.29	26.41	437.55	2
534000	2670	23.15	3.29	26.44	440.59	2

CHANNEL BANDWIDTH: 40MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
503202	2516.01	20.18	3.29	23.47	222.35	2
518598	2592.99	20.33	3.29	23.62	230.16	2
534000	2670	20.23	3.29	23.52	224.92	2



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CHANNEL BANDWIDTH: 50MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
504204	2521.02	25.14	3.29	28.43	696.67	2
518598	2592.99	25.36	3.29	28.65	732.88	2
532998	2664.99	25.16	3.29	28.45	699.89	2

CHANNEL BANDWIDTH: 50MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
504204	2521.02	24.54	3.29	27.83	606.78	2
518598	2592.99	24.56	3.29	27.85	609.58	2
532998	2664.99	24.58	3.29	27.87	612.39	2

CHANNEL BANDWIDTH: 50MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
504204	2521.02	23	3.29	26.29	425.63	2
518598	2592.99	23.05	3.29	26.34	430.56	2
532998	2664.99	22.97	3.29	26.26	422.7	2

CHANNEL BANDWIDTH: 50MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
504204	2521.02	20.11	3.29	23.40	218.79	2
518598	2592.99	20.31	3.29	23.60	229.1	2
532998	2664.99	20.13	3.29	23.42	219.8	2

CHANNEL BANDWIDTH: 60MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
505200	2526	25.22	3.29	28.51	709.63	2
518598	2592.99	25.35	3.29	28.64	731.19	2
531996	2659.98	25.24	3.29	28.53	712.9	2

CHANNEL BANDWIDTH: 60MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
505200	2526	24.6	3.29	27.89	615.22	2
518598	2592.99	24.71	3.29	28.00	631	2
531996	2659.98	24.63	3.29	27.92	619.48	2

CHANNEL BANDWIDTH: 60MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
505200	2526	23.09	3.29	26.38	434.54	2
518598	2592.99	23.14	3.29	26.43	439.57	2
531996	2659.98	23.13	3.29	26.42	438.56	2

CHANNEL BANDWIDTH: 60MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
505200	2526	20.1	3.29	23.39	218.29	2
518598	2592.99	20.29	3.29	23.58	228.05	2
531996	2659.98	20.21	3.29	23.50	223.89	2

CHANNEL BANDWIDTH: 70MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
506202	2531.01	24.96	3.29	28.25	668.39	2
518598	2592.99	25.31	3.29	28.60	724.49	2
531000	2655	25.11	3.29	28.40	691.88	2

CHANNEL BANDWIDTH: 70MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
506202	2531.01	24.24	3.29	27.53	566.28	2
518598	2592.99	24.63	3.29	27.92	619.48	2
531000	2655	24.26	3.29	27.55	568.89	2

CHANNEL BANDWIDTH: 70MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
506202	2531.01	22.85	3.29	26.14	411.18	2
518598	2592.99	23.04	3.29	26.33	429.57	2
531000	2655	23.05	3.29	26.34	430.56	2

CHANNEL BANDWIDTH: 70MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
506202	2531.01	19.98	3.29	23.27	212.34	2
518598	2592.99	20.24	3.29	23.53	225.44	2
531000	2655	20.05	3.29	23.34	215.79	2

CHANNEL BANDWIDTH: 80MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
507204	2536.02	25.07	3.29	28.36	685.54	2
518598	2592.99	25.4	3.29	28.69	739.66	2
529998	2649.99	25.15	3.29	28.44	698.28	2

CHANNEL BANDWIDTH: 80MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
507204	2536.02	24.37	3.29	27.66	583.49	2
518598	2592.99	24.57	3.29	27.86	610.98	2
529998	2649.99	24.36	3.29	27.65	582.14	2

CHANNEL BANDWIDTH: 80MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
507204	2536.02	22.96	3.29	26.25	421.73	2
518598	2592.99	23.01	3.29	26.30	426.61	2
529998	2649.99	23.06	3.29	26.35	431.55	2

CHANNEL BANDWIDTH: 80MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
507204	2536.02	20.08	3.29	23.37	217.29	2
518598	2592.99	20.24	3.29	23.53	225.44	2
529998	2649.99	20.11	3.29	23.40	218.79	2

CHANNEL BANDWIDTH: 90MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
508200	2541	24.99	3.29	28.28	673.02	2
518598	2592.99	25.25	3.29	28.54	714.55	2
528996	2644.98	25.15	3.29	28.44	698.28	2

CHANNEL BANDWIDTH: 90MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
508200	2541	24.33	3.29	27.62	578.14	2
518598	2592.99	24.71	3.29	28.00	631	2
528996	2644.98	24.45	3.29	27.74	594.33	2

CHANNEL BANDWIDTH: 90MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
508200	2541	22.94	3.29	26.23	419.79	2
518598	2592.99	23.07	3.29	26.36	432.54	2
528996	2644.98	23.05	3.29	26.34	430.56	2

CHANNEL BANDWIDTH: 90MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
508200	2541	20.02	3.29	23.31	214.3	2
518598	2592.99	20.16	3.29	23.45	221.32	2
528996	2644.98	20.15	3.29	23.44	220.82	2

CHANNEL BANDWIDTH: 100MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
509202	2546.01	25.13	3.29	28.42	695.07	2
518598	2592.99	25.13	3.29	28.42	695.07	2
528000	2640	25.14	3.29	28.43	696.67	2

CHANNEL BANDWIDTH: 100MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
509202	2546.01	24.47	3.29	27.76	597.08	2
518598	2592.99	24.58	3.29	27.87	612.39	2
528000	2640	24.48	3.29	27.77	598.45	2

CHANNEL BANDWIDTH: 100MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
509202	2546.01	22.95	3.29	26.24	420.76	2
518598	2592.99	22.99	3.29	26.28	424.65	2
528000	2640	23.06	3.29	26.35	431.55	2

CHANNEL BANDWIDTH: 100MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
509202	2546.01	20.1	3.29	23.39	218.29	2
518598	2592.99	20.23	3.29	23.52	224.92	2
528000	2640	20.2	3.29	23.49	223.37	2



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Test Report No.: W7L-P23070010RF09

N77(Part27Q)

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630334	3455.01	24.43	1.77	26.20	416.9	1
633334	3500.01	24.17	1.77	25.94	392.67	1
636332	3544.98	24.09	1.77	25.86	385.5	1

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630334	3455.01	23.87	1.77	25.64	366.46	1
633334	3500.01	23.65	1.77	25.42	348.36	1
636332	3544.98	23.65	1.77	25.42	348.36	1

CHANNEL BANDWIDTH: 10MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630334	3455.01	22.46	1.77	24.23	264.87	1
633334	3500.01	22.28	1.77	24.05	254.11	1
636332	3544.98	22.18	1.77	23.95	248.33	1

CHANNEL BANDWIDTH: 10MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630334	3455.01	19.48	1.77	21.25	133.36	1
633334	3500.01	19.17	1.77	20.94	124.17	1
636332	3544.98	19.12	1.77	20.89	122.75	1

CHANNEL BANDWIDTH: 15MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630500	3457.5	24.62	1.77	26.39	435.54	1
633334	3500.01	24.31	1.77	26.08	405.54	1
636166	3542.49	24.29	1.77	26.06	403.67	1

CHANNEL BANDWIDTH: 15MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630500	3457.5	24.2	1.77	25.97	395.39	1
633334	3500.01	23.78	1.77	25.55	358.95	1
636166	3542.49	23.64	1.77	25.41	347.56	1

CHANNEL BANDWIDTH: 15MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630500	3457.5	22.77	1.77	24.54	284.47	1
633334	3500.01	22.33	1.77	24.10	257.06	1
636166	3542.49	22.25	1.77	24.02	252.37	1

CHANNEL BANDWIDTH: 15MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630500	3457.5	19.67	1.77	21.44	139.33	1
633334	3500.01	19.4	1.77	21.17	130.93	1
636166	3542.49	19.29	1.77	21.06	127.65	1

CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630668	3460.02	24.47	1.77	26.24	420.76	1
633334	3500.01	24.41	1.77	26.18	414.98	1
636000	3540	24.25	1.77	26.02	399.97	1

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630668	3460.02	24.14	1.77	25.91	389.97	1
633334	3500.01	23.77	1.77	25.54	358.12	1
636000	3540	23.6	1.77	25.37	344.37	1

CHANNEL BANDWIDTH: 20MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630668	3460.02	22.64	1.77	24.41	276.08	1
633334	3500.01	22.39	1.77	24.16	260.63	1
636000	3540	22.25	1.77	24.02	252.37	1

CHANNEL BANDWIDTH: 20MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630668	3460.02	19.7	1.77	21.47	140.29	1
633334	3500.01	19.39	1.77	21.16	130.63	1
636000	3540	19.27	1.77	21.04	127.07	1

CHANNEL BANDWIDTH: 30MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631000	3465	24.69	1.77	26.46	442.62	1
633334	3500.01	24.54	1.77	26.31	427.59	1
635666	3534.99	24.59	1.77	26.36	432.54	1

CHANNEL BANDWIDTH: 30MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631000	3465	24.04	1.77	25.81	381.09	1
633334	3500.01	23.9	1.77	25.67	369	1
635666	3534.99	24.04	1.77	25.81	381.09	1

CHANNEL BANDWIDTH: 30MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631000	3465	22.48	1.77	24.25	266.09	1
633334	3500.01	22.41	1.77	24.18	261.84	1
635666	3534.99	22.43	1.77	24.20	263.04	1

CHANNEL BANDWIDTH: 30MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631000	3465	19.74	1.77	21.51	141.59	1
633334	3500.01	19.51	1.77	21.28	134.29	1
635666	3534.99	19.53	1.77	21.30	134.91	1

CHANNEL BANDWIDTH: 40MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631334	3470.01	24.68	1.77	26.45	441.6	1
633334	3500.01	24.55	1.77	26.32	428.58	1
635332	3529.98	24.44	1.77	26.21	417.86	1

CHANNEL BANDWIDTH: 40MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631334	3470.01	24.04	1.77	25.81	381.09	1
633334	3500.01	23.91	1.77	25.68	369.85	1
635332	3529.98	23.72	1.77	25.49	354.02	1

CHANNEL BANDWIDTH: 40MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631334	3470.01	22.5	1.77	24.27	267.32	1
633334	3500.01	22.46	1.77	24.23	264.87	1
635332	3529.98	22.48	1.77	24.25	266.09	1

CHANNEL BANDWIDTH: 40MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631334	3470.01	19.74	1.77	21.51	141.59	1
633334	3500.01	19.58	1.77	21.35	136.47	1
635332	3529.98	19.49	1.77	21.26	133.67	1

CHANNEL BANDWIDTH: 50MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631668	3475.02	24.59	1.77	26.36	432.54	1
633334	3500.01	24.33	1.77	26.10	407.41	1
635000	3525	24.25	1.77	26.02	399.97	1

CHANNEL BANDWIDTH: 50MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631668	3475.02	23.99	1.77	25.76	376.73	1
633334	3500.01	23.71	1.77	25.48	353.21	1
635000	3525	23.56	1.77	25.33	341.22	1

CHANNEL BANDWIDTH: 50MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631668	3475.02	22.4	1.77	24.17	261.23	1
633334	3500.01	22.25	1.77	24.02	252.37	1
635000	3525	22.19	1.77	23.96	248.9	1

CHANNEL BANDWIDTH: 50MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631668	3475.02	19.64	1.77	21.41	138.37	1
633334	3500.01	19.31	1.77	21.08	128.24	1
635000	3525	19.22	1.77	20.99	125.61	1

CHANNEL BANDWIDTH: 60MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632000	3480	24.52	1.77	26.29	425.63	1
633334	3500.01	24.26	1.77	26.03	400.89	1
634666	3519.99	24.25	1.77	26.02	399.97	1

CHANNEL BANDWIDTH: 60MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632000	3480	23.88	1.77	25.65	367.31	1
633334	3500.01	23.65	1.77	25.42	348.36	1
634666	3519.99	23.72	1.77	25.49	354.02	1

CHANNEL BANDWIDTH: 60MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632000	3480	22.39	1.77	24.16	260.63	1
633334	3500.01	22.33	1.77	24.10	257.06	1
634666	3519.99	22.25	1.77	24.02	252.37	1

CHANNEL BANDWIDTH: 60MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632000	3480	19.62	1.77	21.39	137.73	1
633334	3500.01	19.29	1.77	21.06	127.65	1
634666	3519.99	19.37	1.77	21.14	130.03	1

CHANNEL BANDWIDTH: 70MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	24.51	1.77	26.28	424.65	1
633334	3500.01	24.34	1.77	26.11	408.35	1
634332	3514.98	24.08	1.77	25.85	384.62	1

CHANNEL BANDWIDTH: 70MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	23.85	1.77	25.62	364.78	1
633334	3500.01	23.58	1.77	25.35	342.79	1
634332	3514.98	23.4	1.77	25.17	328.87	1

CHANNEL BANDWIDTH: 70MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	22.24	1.77	24.01	251.79	1
633334	3500.01	22.2	1.77	23.97	249.48	1
634332	3514.98	22.1	1.77	23.87	243.8	1

CHANNEL BANDWIDTH: 70MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	19.9	1.77	21.67	146.9	1
633334	3500.01	19.29	1.77	21.06	127.65	1
634332	3514.98	19.09	1.77	20.86	121.91	1

CHANNEL BANDWIDTH: 80MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632668	3490.02	24.37	1.77	26.14	411.18	1
633334	3500.01	24.33	1.77	26.10	407.41	1
634000	3510	24.21	1.77	25.98	396.31	1

CHANNEL BANDWIDTH: 80MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632668	3490.02	23.74	1.77	25.51	355.66	1
633334	3500.01	23.84	1.77	25.61	363.94	1
634000	3510	23.55	1.77	25.32	340.43	1

CHANNEL BANDWIDTH: 80MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632668	3490.02	22.27	1.77	24.04	253.53	1
633334	3500.01	22.17	1.77	23.94	247.76	1
634000	3510	22.14	1.77	23.91	246.05	1

CHANNEL BANDWIDTH: 80MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632668	3490.02	19.46	1.77	21.23	132.75	1
633334	3500.01	19.36	1.77	21.13	129.73	1
634000	3510	19.14	1.77	20.91	123.32	1

CHANNEL BANDWIDTH: 90MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633000	3495	24.39	1.77	26.16	413.08	1
633334	3500.01	24.36	1.77	26.13	410.23	1
633666	3504.99	24.49	1.77	26.26	422.7	1

CHANNEL BANDWIDTH: 90MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633000	3495	23.85	1.77	25.62	364.78	1
633334	3500.01	23.75	1.77	25.52	356.48	1
633666	3504.99	23.66	1.77	25.43	349.16	1

CHANNEL BANDWIDTH: 90MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633000	3495	22.28	1.77	24.05	254.11	1
633334	3500.01	22.21	1.77	23.98	250.05	1
633666	3504.99	22.19	1.77	23.96	248.9	1

CHANNEL BANDWIDTH: 90MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633000	3495	19.52	1.77	21.29	134.6	1
633334	3500.01	19.45	1.77	21.22	132.44	1
633666	3504.99	19.38	1.77	21.15	130.33	1



Test Report No.: W7L-P23070010RF09

CHANNEL BANDWIDTH: 100MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633334	3500.01	24.4	1.77	26.17	414.03	1

CHANNEL BANDWIDTH: 100MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633334	3500.01	23.83	1.77	25.60	363.1	1

CHANNEL BANDWIDTH: 100MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633334	3500.01	22.21	1.77	23.98	250.05	1

CHANNEL BANDWIDTH: 100MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633334	3500.01	19.44	1.77	21.21	132.14	1



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VERITAS

Test Report No.: W7L-P23070010RF09

N77(Part270)

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647000	3705	23.97	1.77	25.74	375	1
656000	3840	23.91	1.77	25.68	369.85	1
665000	3975	24.27	1.77	26.04	401.82	1

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647000	3705	23.32	1.77	25.09	322.87	1
656000	3840	23.18	1.77	24.95	312.63	1
665000	3975	23.6	1.77	25.37	344.37	1

CHANNEL BANDWIDTH: 10MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647000	3705	21.86	1.77	23.63	230.69	1
656000	3840	21.73	1.77	23.50	223.89	1
665000	3975	22.21	1.77	23.98	250.05	1

CHANNEL BANDWIDTH: 10MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647000	3705	18.87	1.77	20.64	115.89	1
656000	3840	18.84	1.77	20.61	115.09	1
665000	3975	19.3	1.77	21.07	127.95	1

CHANNEL BANDWIDTH: 15MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647168	3707.52	24.02	1.77	25.79	379.34	1
656000	3840	24	1.77	25.77	377.6	1
664832	3972.48	24.31	1.77	26.08	405.54	1

CHANNEL BANDWIDTH: 15MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647168	3707.52	23.48	1.77	25.25	334.99	1
656000	3840	23.56	1.77	25.33	341.22	1
664832	3972.48	23.68	1.77	25.45	350.78	1

CHANNEL BANDWIDTH: 15MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647168	3707.52	22.06	1.77	23.83	241.56	1
656000	3840	22.01	1.77	23.78	238.8	1
664832	3972.48	22.29	1.77	24.06	254.7	1

CHANNEL BANDWIDTH: 15MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647168	3707.52	19.01	1.77	20.78	119.68	1
656000	3840	19.08	1.77	20.85	121.63	1
664832	3972.48	19.37	1.77	21.14	130.03	1

CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647334	3710.01	24.1	1.77	25.87	386.39	1
656000	3840	24.04	1.77	25.81	381.09	1
664666	3969.99	24.48	1.77	26.25	421.73	1

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647334	3710.01	23.46	1.77	25.23	333.45	1
656000	3840	23.38	1.77	25.15	327.36	1
664666	3969.99	23.64	1.77	25.41	347.56	1

CHANNEL BANDWIDTH: 20MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647334	3710.01	22.08	1.77	23.85	242.68	1
656000	3840	21.99	1.77	23.76	237.7	1
664666	3969.99	22.31	1.77	24.08	255.88	1

CHANNEL BANDWIDTH: 20MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647334	3710.01	19.04	1.77	20.81	120.51	1
656000	3840	19.02	1.77	20.79	119.96	1
664666	3969.99	19.41	1.77	21.18	131.23	1

CHANNEL BANDWIDTH: 30MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647668	3715.02	24	1.77	25.77	377.6	1
656000	3840	24.12	1.77	25.89	388.18	1
664332	3964.98	24.46	1.77	26.23	419.79	1

CHANNEL BANDWIDTH: 30MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647668	3715.02	23.52	1.77	25.29	338.09	1
656000	3840	23.66	1.77	25.43	349.16	1
664332	3964.98	23.95	1.77	25.72	373.28	1

CHANNEL BANDWIDTH: 30MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647668	3715.02	22.08	1.77	23.85	242.68	1
656000	3840	22.28	1.77	24.05	254.11	1
664332	3964.98	22.52	1.77	24.29	268.55	1

CHANNEL BANDWIDTH: 30MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647668	3715.02	19.13	1.77	20.90	123.04	1
656000	3840	19.17	1.77	20.94	124.17	1
664332	3964.98	19.55	1.77	21.32	135.53	1

CHANNEL BANDWIDTH: 40MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648000	3720	24.25	1.77	26.02	399.97	1
656000	3840	24.32	1.77	26.09	406.47	1
664000	3960	24.48	1.77	26.25	421.73	1

CHANNEL BANDWIDTH: 40MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648000	3720	23.78	1.77	25.55	358.95	1
656000	3840	23.62	1.77	25.39	345.96	1
664000	3960	23.81	1.77	25.58	361.43	1

CHANNEL BANDWIDTH: 40MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648000	3720	21.97	1.77	23.74	236.61	1
656000	3840	22.05	1.77	23.82	241.01	1
664000	3960	22.27	1.77	24.04	253.53	1

CHANNEL BANDWIDTH: 40MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648000	3720	19.15	1.77	20.92	123.6	1
656000	3840	19.29	1.77	21.06	127.65	1
664000	3960	19.49	1.77	21.26	133.67	1

CHANNEL BANDWIDTH: 50MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725.01	23.97	1.77	25.74	375	1
656000	3840	23.99	1.77	25.76	376.73	1
663666	3954.99	24.17	1.77	25.94	392.67	1

CHANNEL BANDWIDTH: 50MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725.01	23.23	1.77	25.00	316.25	1
656000	3840	23.45	1.77	25.22	332.68	1
663666	3954.99	23.6	1.77	25.37	344.37	1

CHANNEL BANDWIDTH: 50MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725.01	21.85	1.77	23.62	230.16	1
656000	3840	21.81	1.77	23.58	228.05	1
663666	3954.99	22.06	1.77	23.83	241.56	1

CHANNEL BANDWIDTH: 50MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725.01	18.96	1.77	20.73	118.31	1
656000	3840	19.04	1.77	20.81	120.51	1
663666	3954.99	19.21	1.77	20.98	125.32	1

CHANNEL BANDWIDTH: 60MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730.02	23.91	1.77	25.68	369.85	1
656000	3840	23.99	1.77	25.76	376.73	1
663332	3949.98	24.08	1.77	25.85	384.62	1

CHANNEL BANDWIDTH: 60MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730.02	23.49	1.77	25.26	335.76	1
656000	3840	23.38	1.77	25.15	327.36	1
663332	3949.98	23.66	1.77	25.43	349.16	1

CHANNEL BANDWIDTH: 60MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730.02	22.06	1.77	23.83	241.56	1
656000	3840	22.05	1.77	23.82	241.01	1
663332	3949.98	22.14	1.77	23.91	246.05	1

CHANNEL BANDWIDTH: 60MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730.02	18.94	1.77	20.71	117.77	1
656000	3840	18.84	1.77	20.61	115.09	1
663332	3949.98	19.15	1.77	20.92	123.6	1

CHANNEL BANDWIDTH: 70MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	23.82	1.77	25.59	362.27	1
656000	3840	23.78	1.77	25.55	358.95	1
634332	3514.98	24.02	1.77	25.79	379.34	1

CHANNEL BANDWIDTH: 70MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	23.27	1.77	25.04	319.18	1
656000	3840	23.18	1.77	24.95	312.63	1
634332	3514.98	23.38	1.77	25.15	327.36	1

CHANNEL BANDWIDTH: 70MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	21.69	1.77	23.46	221.83	1
656000	3840	21.7	1.77	23.47	222.35	1
634332	3514.98	21.93	1.77	23.70	234.44	1

CHANNEL BANDWIDTH: 70MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	18.83	1.77	20.60	114.82	1
656000	3840	18.92	1.77	20.69	117.23	1
634332	3514.98	19.05	1.77	20.82	120.79	1

CHANNEL BANDWIDTH: 80MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740.01	23.83	1.77	25.60	363.1	1
656000	3840	23.79	1.77	25.56	359.77	1
662666	3939.99	24.07	1.77	25.84	383.73	1

CHANNEL BANDWIDTH: 80MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740.01	23.13	1.77	24.90	309.05	1
656000	3840	23.38	1.77	25.15	327.36	1
662666	3939.99	23.34	1.77	25.11	324.36	1

CHANNEL BANDWIDTH: 80MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740.01	21.72	1.77	23.49	223.37	1
656000	3840	21.71	1.77	23.48	222.86	1
662666	3939.99	21.93	1.77	23.70	234.44	1

CHANNEL BANDWIDTH: 80MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740.01	18.72	1.77	20.49	111.95	1
656000	3840	18.83	1.77	20.60	114.82	1
662666	3939.99	18.99	1.77	20.76	119.13	1

CHANNEL BANDWIDTH: 90MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745.02	23.75	1.77	25.52	356.48	1
656000	3840	23.71	1.77	25.48	353.21	1
662332	3934.98	23.97	1.77	25.74	375	1

CHANNEL BANDWIDTH: 90MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745.02	23.29	1.77	25.06	320.65	1
656000	3840	23.1	1.77	24.87	306.92	1
662332	3934.98	23.53	1.77	25.30	338.87	1

CHANNEL BANDWIDTH: 90MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745.02	21.76	1.77	23.53	225.44	1
656000	3840	21.78	1.77	23.55	226.48	1
662332	3934.98	22.09	1.77	23.86	243.24	1

CHANNEL BANDWIDTH: 90MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745.02	18.95	1.77	20.72	118.04	1
656000	3840	18.79	1.77	20.56	113.77	1
662332	3934.98	19.03	1.77	20.80	120.23	1

CHANNEL BANDWIDTH: 100MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	24	1.77	25.77	377.6	1
656000	3840	23.82	1.77	25.59	362.27	1
662000	3930	24.03	1.77	25.80	380.22	1

CHANNEL BANDWIDTH: 100MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	23.52	1.77	25.29	338.09	1
656000	3840	23.27	1.77	25.04	319.18	1
662000	3930	23.71	1.77	25.48	353.21	1

CHANNEL BANDWIDTH: 100MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	22.05	1.77	23.82	241.01	1
656000	3840	21.75	1.77	23.52	224.92	1
662000	3930	21.86	1.77	23.63	230.69	1

CHANNEL BANDWIDTH: 100MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	19.01	1.77	20.78	119.68	1
656000	3840	18.83	1.77	20.60	114.82	1
662000	3930	19.12	1.77	20.89	122.75	1



BUREAU
VERITAS

Test Report No.: W7L-P23070010RF09

N78(Part27Q)

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630334	3455.01	24.41	1.77	26.18	414.98	1
633334	3500.01	24.2	1.77	25.97	395.39	1
636332	3544.98	24.1	1.77	25.87	386.39	1

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630334	3455.01	23.81	1.77	25.58	361.43	1
633334	3500.01	23.59	1.77	25.36	343.58	1
636332	3544.98	23.48	1.77	25.25	334.99	1

CHANNEL BANDWIDTH: 10MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630334	3455.01	22.37	1.77	24.14	259.44	1
633334	3500.01	22.1	1.77	23.87	243.8	1
636332	3544.98	22.06	1.77	23.83	241.56	1

CHANNEL BANDWIDTH: 10MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630334	3455.01	19.46	1.77	21.23	132.75	1
633334	3500.01	19.18	1.77	20.95	124.46	1
636332	3544.98	19.12	1.77	20.89	122.75	1

CHANNEL BANDWIDTH: 15MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630500	3457.5	24.54	1.77	26.31	427.59	1
633334	3500.01	24.21	1.77	25.98	396.31	1
636166	3542.49	24.13	1.77	25.90	389.07	1

CHANNEL BANDWIDTH: 15MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630500	3457.5	23.88	1.77	25.65	367.31	1
633334	3500.01	23.62	1.77	25.39	345.96	1
636166	3542.49	23.6	1.77	25.37	344.37	1

CHANNEL BANDWIDTH: 15MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630500	3457.5	22.55	1.77	24.32	270.41	1
633334	3500.01	22.3	1.77	24.07	255.29	1
636166	3542.49	22.22	1.77	23.99	250.63	1

CHANNEL BANDWIDTH: 15MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630500	3457.5	19.56	1.77	21.33	135.84	1
633334	3500.01	19.34	1.77	21.11	129.13	1
636166	3542.49	19.22	1.77	20.99	125.61	1

CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630668	3460.02	24.73	1.77	26.50	446.71	1
633334	3500.01	24.27	1.77	26.04	401.82	1
636000	3540	24.27	1.77	26.04	401.82	1

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630668	3460.02	23.9	1.77	25.67	369	1
633334	3500.01	23.67	1.77	25.44	349.97	1
636000	3540	23.62	1.77	25.39	345.96	1

CHANNEL BANDWIDTH: 20MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630668	3460.02	22.57	1.77	24.34	271.66	1
633334	3500.01	22.35	1.77	24.12	258.24	1
636000	3540	22.29	1.77	24.06	254.7	1

CHANNEL BANDWIDTH: 20MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
630668	3460.02	19.63	1.77	21.40	138.05	1
633334	3500.01	19.38	1.77	21.15	130.33	1
636000	3540	19.33	1.77	21.10	128.83	1

CHANNEL BANDWIDTH: 30MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631000	3465	24.71	1.77	26.48	444.66	1
633334	3500.01	24.4	1.77	26.17	414.03	1
635666	3534.99	24.57	1.77	26.34	430.56	1

CHANNEL BANDWIDTH: 30MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631000	3465	23.97	1.77	25.74	375	1
633334	3500.01	23.67	1.77	25.44	349.97	1
635666	3534.99	23.88	1.77	25.65	367.31	1

CHANNEL BANDWIDTH: 30MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631000	3465	22.44	1.77	24.21	263.65	1
633334	3500.01	22.41	1.77	24.18	261.84	1
635666	3534.99	22.54	1.77	24.31	269.79	1

CHANNEL BANDWIDTH: 30MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631000	3465	19.68	1.77	21.45	139.65	1
633334	3500.01	19.39	1.77	21.16	130.63	1
635666	3534.99	19.5	1.77	21.27	133.98	1

CHANNEL BANDWIDTH: 40MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631334	3470.01	24.59	1.77	26.36	432.54	1
633334	3500.01	24.43	1.77	26.20	416.9	1
635332	3529.98	24.45	1.77	26.22	418.82	1

CHANNEL BANDWIDTH: 40MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631334	3470.01	24.06	1.77	25.83	382.85	1
633334	3500.01	23.85	1.77	25.62	364.78	1
635332	3529.98	23.75	1.77	25.52	356.48	1

CHANNEL BANDWIDTH: 40MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631334	3470.01	22.46	1.77	24.23	264.87	1
633334	3500.01	22.41	1.77	24.18	261.84	1
635332	3529.98	22.41	1.77	24.18	261.84	1

CHANNEL BANDWIDTH: 40MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631334	3470.01	19.69	1.77	21.46	139.97	1
633334	3500.01	19.55	1.77	21.32	135.53	1
635332	3529.98	19.42	1.77	21.19	131.53	1

CHANNEL BANDWIDTH: 50MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631668	3475.02	24.36	1.77	26.13	410.23	1
633334	3500.01	24.25	1.77	26.02	399.97	1
635000	3525	24	1.77	25.77	377.6	1

CHANNEL BANDWIDTH: 50MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631668	3475.02	23.75	1.77	25.52	356.48	1
633334	3500.01	23.53	1.77	25.30	338.87	1
635000	3525	23.48	1.77	25.25	334.99	1

CHANNEL BANDWIDTH: 50MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631668	3475.02	22.3	1.77	24.07	255.29	1
633334	3500.01	22.14	1.77	23.91	246.05	1
635000	3525	22.1	1.77	23.87	243.8	1

CHANNEL BANDWIDTH: 50MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
631668	3475.02	19.4	1.77	21.17	130.93	1
633334	3500.01	19.18	1.77	20.95	124.46	1
635000	3525	18.98	1.77	20.75	118.86	1

CHANNEL BANDWIDTH: 60MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632000	3480	24.5	1.77	26.27	423.67	1
633334	3500.01	24.2	1.77	25.97	395.39	1
634666	3519.99	24.15	1.77	25.92	390.87	1

CHANNEL BANDWIDTH: 60MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632000	3480	23.88	1.77	25.65	367.31	1
633334	3500.01	23.73	1.77	25.50	354.84	1
634666	3519.99	23.6	1.77	25.37	344.37	1

CHANNEL BANDWIDTH: 60MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632000	3480	22.33	1.77	24.10	257.06	1
633334	3500.01	22.22	1.77	23.99	250.63	1
634666	3519.99	22.21	1.77	23.98	250.05	1

CHANNEL BANDWIDTH: 60MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632000	3480	19.58	1.77	21.35	136.47	1
633334	3500.01	19.21	1.77	20.98	125.32	1
634666	3519.99	19.12	1.77	20.89	122.75	1

CHANNEL BANDWIDTH: 70MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	24.5	1.77	26.27	423.67	1
633334	3500.01	24.27	1.77	26.04	401.82	1
634332	3514.98	24.03	1.77	25.80	380.22	1

CHANNEL BANDWIDTH: 70MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	23.74	1.77	25.51	355.66	1
633334	3500.01	23.6	1.77	25.37	344.37	1
634332	3514.98	23.5	1.77	25.27	336.53	1

CHANNEL BANDWIDTH: 70MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	22.22	1.77	23.99	250.63	1
633334	3500.01	22.12	1.77	23.89	244.92	1
634332	3514.98	22.07	1.77	23.84	242.12	1

CHANNEL BANDWIDTH: 70MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632334	3485.01	19.39	1.77	21.16	130.63	1
633334	3500.01	19.26	1.77	21.03	126.77	1
634332	3514.98	19.07	1.77	20.84	121.35	1

CHANNEL BANDWIDTH: 80MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632668	3490.02	24.51	1.77	26.28	424.65	1
633334	3500.01	24.31	1.77	26.08	405.54	1
634000	3510	24.06	1.77	25.83	382.85	1

CHANNEL BANDWIDTH: 80MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632668	3490.02	23.74	1.77	25.51	355.66	1
633334	3500.01	23.7	1.77	25.47	352.4	1
634000	3510	23.43	1.77	25.20	331.15	1

CHANNEL BANDWIDTH: 80MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632668	3490.02	22.18	1.77	23.95	248.33	1
633334	3500.01	22.19	1.77	23.96	248.9	1
634000	3510	22.17	1.77	23.94	247.76	1

CHANNEL BANDWIDTH: 80MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
632668	3490.02	19.33	1.77	21.10	128.83	1
633334	3500.01	19.32	1.77	21.09	128.54	1
634000	3510	19.15	1.77	20.92	123.6	1

CHANNEL BANDWIDTH: 90MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633000	3495	24.42	1.77	26.19	415.94	1
633334	3500.01	24.33	1.77	26.10	407.41	1
633666	3504.99	24.21	1.77	25.98	396.31	1

CHANNEL BANDWIDTH: 90MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633000	3495	23.69	1.77	25.46	351.58	1
633334	3500.01	23.64	1.77	25.41	347.56	1
633666	3504.99	23.62	1.77	25.39	345.96	1

CHANNEL BANDWIDTH: 90MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633000	3495	22.19	1.77	23.96	248.9	1
633334	3500.01	22.22	1.77	23.99	250.63	1
633666	3504.99	22.18	1.77	23.95	248.33	1

CHANNEL BANDWIDTH: 90MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633000	3495	19.38	1.77	21.15	130.33	1
633334	3500.01	19.39	1.77	21.16	130.63	1
633666	3504.99	19.32	1.77	21.09	128.54	1



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CHANNEL BANDWIDTH: 100MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-Lc} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633334	3500.01	24.4	1.77	26.17	414.03	1

CHANNEL BANDWIDTH: 100MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-Lc} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633334	3500.01	23.72	1.77	25.49	354.02	1

CHANNEL BANDWIDTH: 100MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-Lc} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633334	3500.01	22.2	1.77	23.97	249.48	1

CHANNEL BANDWIDTH: 100MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-Lc} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
633334	3500.01	19.42	1.77	21.19	131.53	1



**BUREAU
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Test Report No.: W7L-P23070010RF09

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CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647000	3705	24.61	1.77	26.38	434.54	1
650000	3750	23.75	1.77	25.52	356.48	1
653000	3795	24.7	1.77	26.47	443.64	1

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647000	3705	23.72	1.77	25.49	354.02	1
650000	3750	23.22	1.77	24.99	315.52	1
653000	3795	23.47	1.77	25.24	334.22	1

CHANNEL BANDWIDTH: 10MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647000	3705	21.88	1.77	23.65	231.76	1
650000	3750	21.69	1.77	23.46	221.83	1
653000	3795	21.98	1.77	23.75	237.15	1

CHANNEL BANDWIDTH: 10MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647000	3705	18.88	1.77	20.65	116.15	1
650000	3750	18.74	1.77	20.51	112.47	1
653000	3795	19.03	1.77	20.80	120.23	1

CHANNEL BANDWIDTH: 15MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647168	3707.52	24.58	1.77	26.35	431.55	1
650000	3750	24.59	1.77	26.36	432.54	1
652832	3792.48	24.13	1.77	25.90	389.07	1

CHANNEL BANDWIDTH: 15MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647168	3707.52	23.46	1.77	25.23	333.45	1
650000	3750	23.43	1.77	25.20	331.15	1
652832	3792.48	23.73	1.77	25.50	354.84	1

CHANNEL BANDWIDTH: 15MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647168	3707.52	22.07	1.77	23.84	242.12	1
650000	3750	22.01	1.77	23.78	238.8	1
652832	3792.48	22.16	1.77	23.93	247.19	1

CHANNEL BANDWIDTH: 15MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647168	3707.52	19	1.77	20.77	119.41	1
650000	3750	18.95	1.77	20.72	118.04	1
652832	3792.48	19.18	1.77	20.95	124.46	1

CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647334	3710.01	23.93	1.77	25.70	371.56	1
650000	3750	23.88	1.77	25.65	367.31	1
652666	3789.99	24.13	1.77	25.90	389.07	1

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647334	3710.01	23.37	1.77	25.14	326.61	1
650000	3750	23.32	1.77	25.09	322.87	1
652666	3789.99	23.58	1.77	25.35	342.79	1

CHANNEL BANDWIDTH: 20MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647334	3710.01	22.01	1.77	23.78	238.8	1
650000	3750	21.88	1.77	23.65	231.76	1
652666	3789.99	22.15	1.77	23.92	246.62	1

CHANNEL BANDWIDTH: 20MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647334	3710.01	18.99	1.77	20.76	119.13	1
650000	3750	18.9	1.77	20.67	116.69	1
652666	3789.99	19.18	1.77	20.95	124.46	1

CHANNEL BANDWIDTH: 30MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647668	3715.02	24.11	1.77	25.88	387.28	1
650000	3750	23.97	1.77	25.74	375	1
652666	3784.98	24.3	1.77	26.07	404.6	1

CHANNEL BANDWIDTH: 30MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647668	3715.02	23.56	1.77	25.33	341.22	1
650000	3750	23.46	1.77	25.23	333.45	1
652666	3784.98	23.55	1.77	25.32	340.43	1

CHANNEL BANDWIDTH: 30MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647668	3715.02	22.23	1.77	24.00	251.21	1
650000	3750	22.05	1.77	23.82	241.01	1
652666	3784.98	22.14	1.77	23.91	246.05	1

CHANNEL BANDWIDTH: 30MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647668	3715.02	19.18	1.77	20.95	124.46	1
650000	3750	19.05	1.77	20.82	120.79	1
652666	3784.98	19.25	1.77	21.02	126.48	1

CHANNEL BANDWIDTH: 40MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648000	3720	24.27	1.77	26.04	401.82	1
650000	3750	24.09	1.77	25.86	385.5	1
652000	3780	24.18	1.77	25.95	393.58	1

CHANNEL BANDWIDTH: 40MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648000	3720	23.54	1.77	25.31	339.65	1
650000	3750	23.55	1.77	25.32	340.43	1
652000	3780	23.66	1.77	25.43	349.16	1

CHANNEL BANDWIDTH: 40MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648000	3720	21.97	1.77	23.74	236.61	1
650000	3750	21.95	1.77	23.72	235.52	1
652000	3780	21.98	1.77	23.75	237.15	1

CHANNEL BANDWIDTH: 40MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648000	3720	19.15	1.77	20.92	123.6	1
650000	3750	19.07	1.77	20.84	121.35	1
652000	3780	19.23	1.77	21.00	125.9	1

CHANNEL BANDWIDTH: 50MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725.01	23.87	1.77	25.64	366.46	1
650000	3750	23.82	1.77	25.59	362.27	1
651666	3774.99	23.8	1.77	25.57	360.6	1

CHANNEL BANDWIDTH: 50MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725.01	23.31	1.77	25.08	322.13	1
650000	3750	23.29	1.77	25.06	320.65	1
651666	3774.99	23.19	1.77	24.96	313.35	1

CHANNEL BANDWIDTH: 50MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725.01	21.74	1.77	23.51	224.4	1
650000	3750	21.67	1.77	23.44	220.82	1
651666	3774.99	21.69	1.77	23.46	221.83	1

CHANNEL BANDWIDTH: 50MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725.01	18.91	1.77	20.68	116.96	1
650000	3750	19.18	1.77	20.95	124.46	1
651666	3774.99	18.82	1.77	20.59	114.56	1

CHANNEL BANDWIDTH: 60MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730.02	23.89	1.77	25.66	368.15	1
650000	3750	23.75	1.77	25.52	356.48	1
651332	3769.98	24	1.77	25.77	377.6	1

CHANNEL BANDWIDTH: 60MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730.02	23.2	1.77	24.97	314.07	1
650000	3750	23.39	1.77	25.16	328.12	1
651332	3769.98	23.42	1.77	25.19	330.39	1

CHANNEL BANDWIDTH: 60MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730.02	21.75	1.77	23.52	224.92	1
650000	3750	21.74	1.77	23.51	224.4	1
651332	3769.98	21.73	1.77	23.50	223.89	1

CHANNEL BANDWIDTH: 60MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730.02	18.84	1.77	20.61	115.09	1
650000	3750	18.83	1.77	20.60	114.82	1
651332	3769.98	18.97	1.77	20.74	118.59	1

CHANNEL BANDWIDTH: 70MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649000	3735	23.72	1.77	25.49	354.02	1
650000	3750	23.74	1.77	25.51	355.66	1
651000	3765	23.82	1.77	25.59	362.27	1

CHANNEL BANDWIDTH: 70MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649000	3735	23.29	1.77	25.06	320.65	1
650000	3750	23.16	1.77	24.93	311.19	1
651000	3765	23.21	1.77	24.98	314.8	1

CHANNEL BANDWIDTH: 70MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649000	3735	21.67	1.77	23.44	220.82	1
650000	3750	21.68	1.77	23.45	221.32	1
651000	3765	21.7	1.77	23.47	222.35	1

CHANNEL BANDWIDTH: 70MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649000	3735	18.78	1.77	20.55	113.51	1
650000	3750	18.71	1.77	20.48	111.69	1
651000	3765	18.82	1.77	20.59	114.56	1

CHANNEL BANDWIDTH: 80MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740.01	23.77	1.77	25.54	358.12	1
650000	3750	23.87	1.77	25.64	366.46	1
650666	3759.99	23.9	1.77	25.67	369	1

CHANNEL BANDWIDTH: 80MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740.01	23.25	1.77	25.02	317.71	1
650000	3750	23.19	1.77	24.96	313.35	1
650666	3759.99	23.28	1.77	25.05	319.91	1

CHANNEL BANDWIDTH: 80MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740.01	21.68	1.77	23.45	221.32	1
650000	3750	21.71	1.77	23.48	222.86	1
650666	3759.99	21.8	1.77	23.57	227.53	1

CHANNEL BANDWIDTH: 80MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740.01	18.72	1.77	20.49	111.95	1
650000	3750	18.76	1.77	20.53	112.99	1
650666	3759.99	18.8	1.77	20.57	114.03	1

CHANNEL BANDWIDTH: 90MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745.02	23.73	1.77	25.50	354.84	1
650000	3750	23.81	1.77	25.58	361.43	1
650332	3754.98	23.83	1.77	25.60	363.1	1

CHANNEL BANDWIDTH: 90MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745.02	23.29	1.77	25.06	320.65	1
650000	3750	23.19	1.77	24.96	313.35	1
650332	3754.98	23.18	1.77	24.95	312.63	1

CHANNEL BANDWIDTH: 90MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745.02	21.72	1.77	23.49	223.37	1
650000	3750	21.7	1.77	23.47	222.35	1
650332	3754.98	21.71	1.77	23.48	222.86	1

CHANNEL BANDWIDTH: 90MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745.02	18.8	1.77	20.57	114.03	1
650000	3750	18.9	1.77	20.67	116.69	1
650332	3754.98	18.91	1.77	20.68	116.96	1

CHANNEL BANDWIDTH: 100MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	24.05	1.77	25.82	381.97	1

CHANNEL BANDWIDTH: 100MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	23.23	1.77	25.00	316.25	1

CHANNEL BANDWIDTH: 100MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	21.77	1.77	23.54	225.96	1

CHANNEL BANDWIDTH: 100MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	19.04	1.77	20.81	120.51	1



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission is equal to -13dBm.

For operations in the 763–775 MHz and 793–805 MHz bands, all emissions including harmonics in the band 1559– 1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

For 5G NR n7/n41:

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $55 + 10 \log_{10}(P)$ dB. The limit of emission is equal to -25dBm.

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission equal to -13dBm

For operations in the 763–775 MHz and 793–805 MHz bands, all emissions including harmonics in the band 1559– 1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

3.2.2 TEST PROCEDURES

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to “Read Value “of step a. Record the power level of S.G.
- c. $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$.
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole,
 $E.R.P \text{ power} = E.I.P.R \text{ power} - 2.15\text{dBi}$.

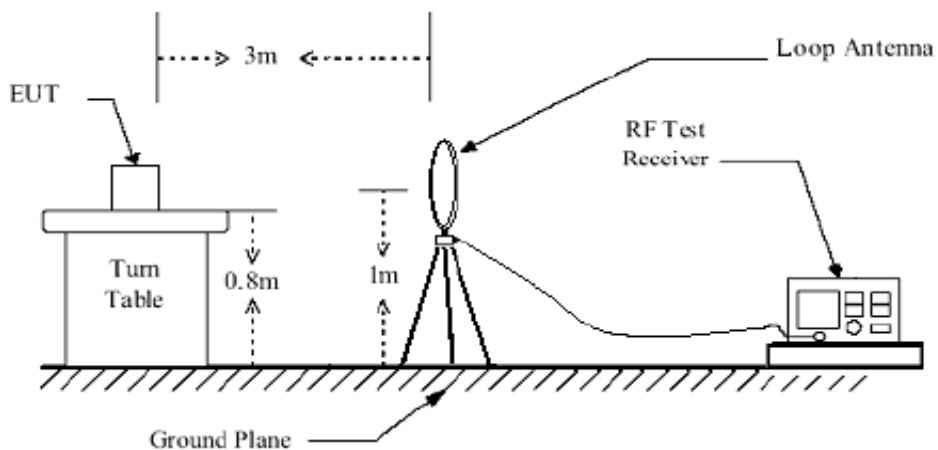
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.2.3 DEVIATION FROM TEST STANDARD

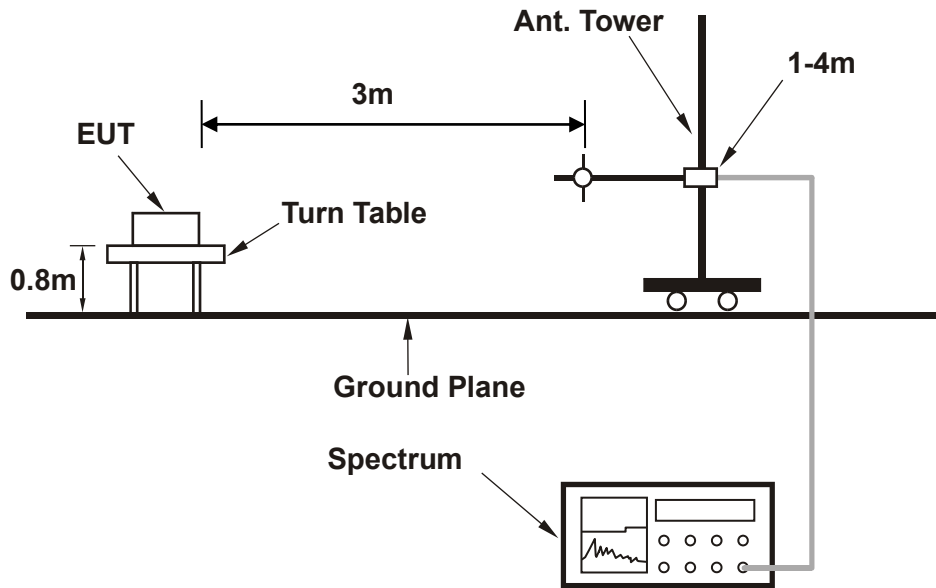
No deviation

3.2.4 TEST SETUP

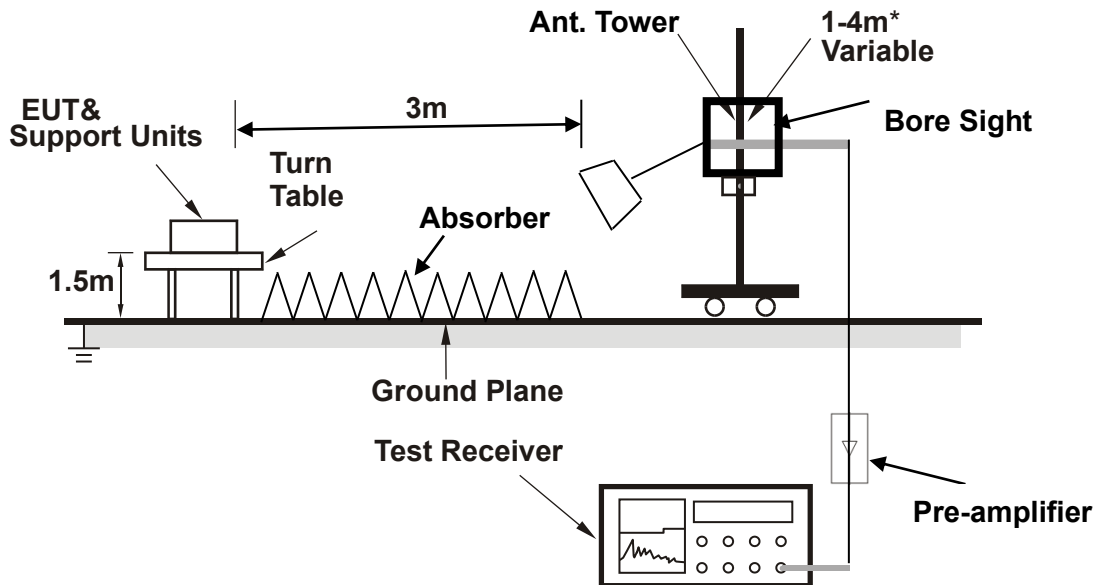
< Frequency Range below 30MHz >



< Frequency Range 30MHz~1GHz >



<Frequency Range above 1GHz>



Note: Above 1G is a directional antenna depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.2.5 TEST RESULTS

NOTE : The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

5G SA BELOW 1GHz WORST-CASE DATA

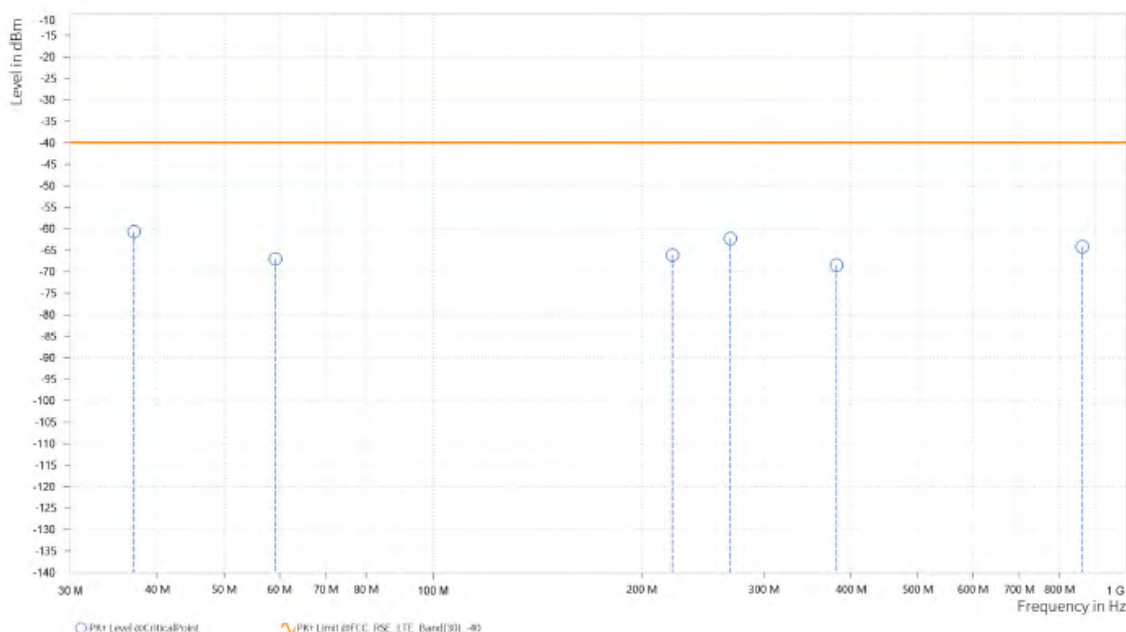
30 MHz – 1GHz data:

N30

CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 462000	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	37.050	-60.70	-40.00	20.70	6.61	H	1	1
1	59.200	-66.99	-40.00	26.99	2.58	H	265.9	1
1	221.300	-66.15	-40.00	26.15	3.82	H	5.7	1
1	268.150	-62.28	-40.00	22.28	4.46	H	220.8	2
1	381.550	-68.49	-40.00	28.49	5.79	H	220.8	2
2	862.225	-64.21	-40.00	24.21	12.00	H	1.5	2

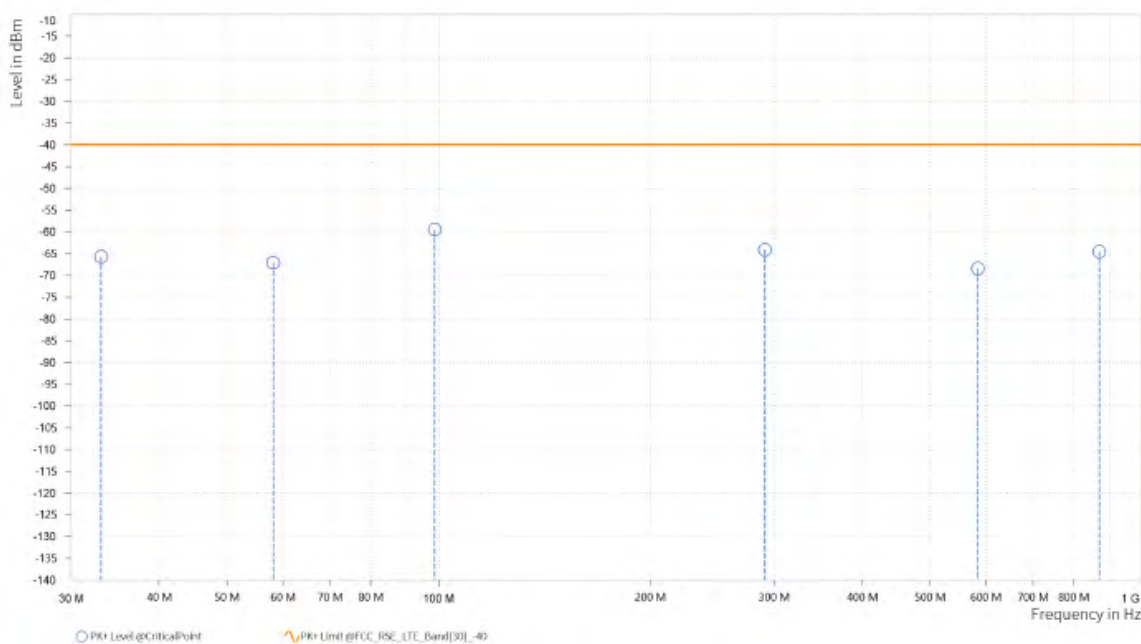




Test Report No.: W7L-P23070010RF09

MODE	TX channel 462000	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	33.100	-65.72	-40.00	25.72	-0.02	V	245.6	1
1	58.150	-67.12	-40.00	27.12	2.95	V	1	2
1	98.700	-59.49	-40.00	19.49	11.71	V	359	2
1	291.150	-64.10	-40.00	24.10	5.04	V	140.4	1
2	584.063	-68.40	-40.00	28.40	6.39	V	189.4	1
2	869.833	-64.51	-40.00	24.51	10.88	V	171.8	2





**BUREAU
VERITAS**

Test Report No.: W7L-P23070010RF09

ABOVE 1GHz

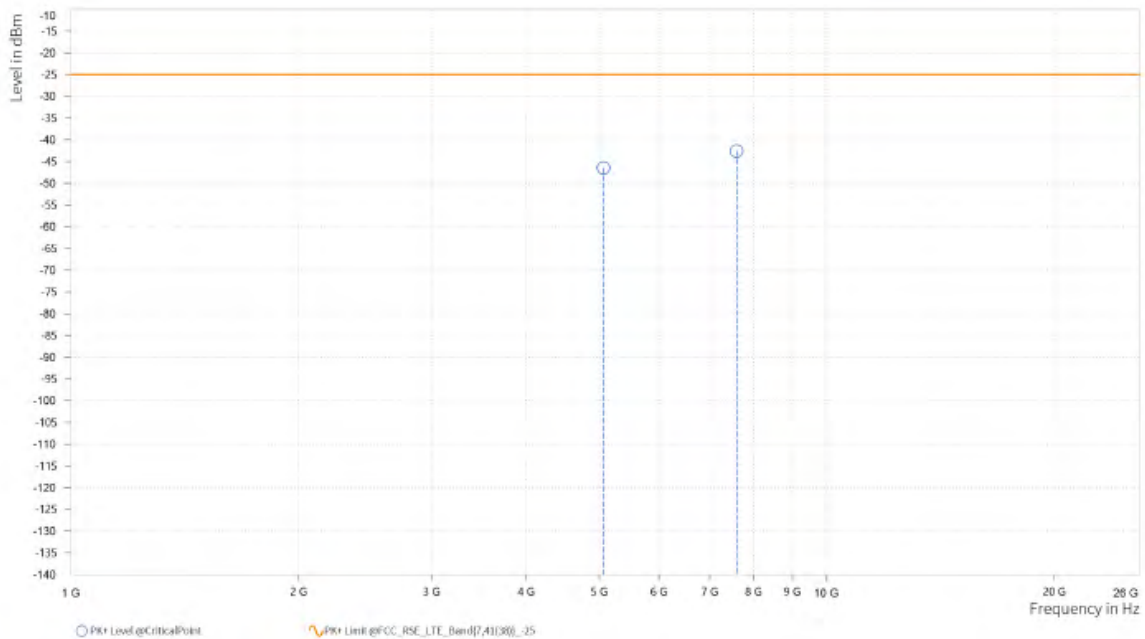
Note: For higher frequency, the emission is too low to be detected.

N7

CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,065.500	-46.43	-25.00	21.43	25.37	H	359.1	1
5	7,598.250	-42.59	-25.00	17.59	29.39	H	359.1	1

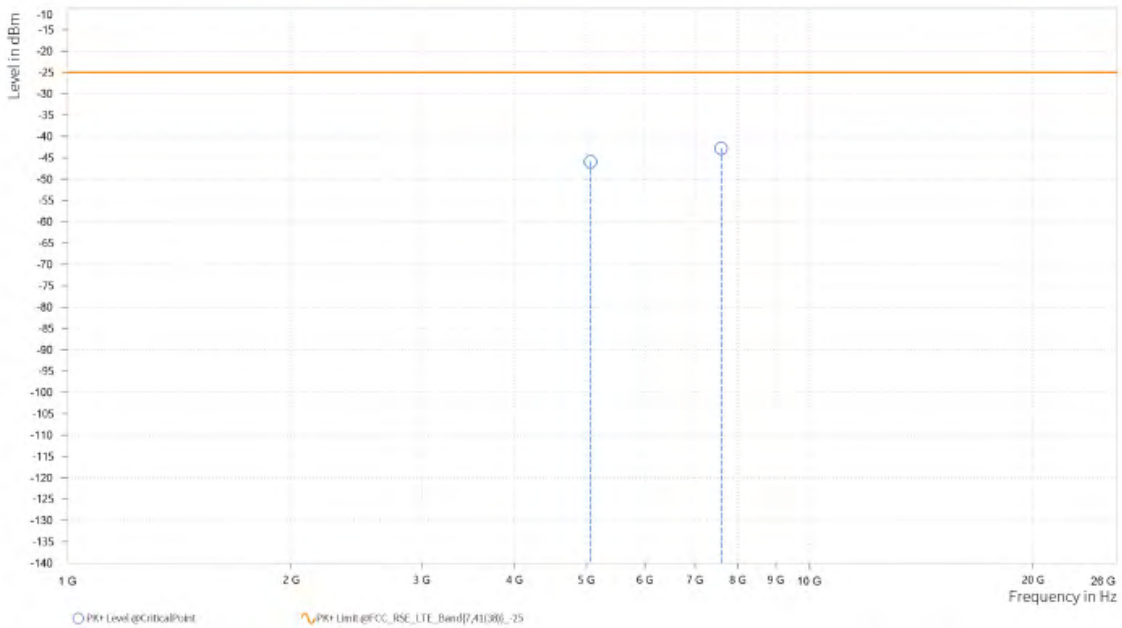




Test Report No.: W7L-P23070010RF09

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,065.500	-45.94	-25.00	20.94	25.82	V	1	1
5	7,598.250	-42.80	-25.00	17.80	29.18	V	359.1	1



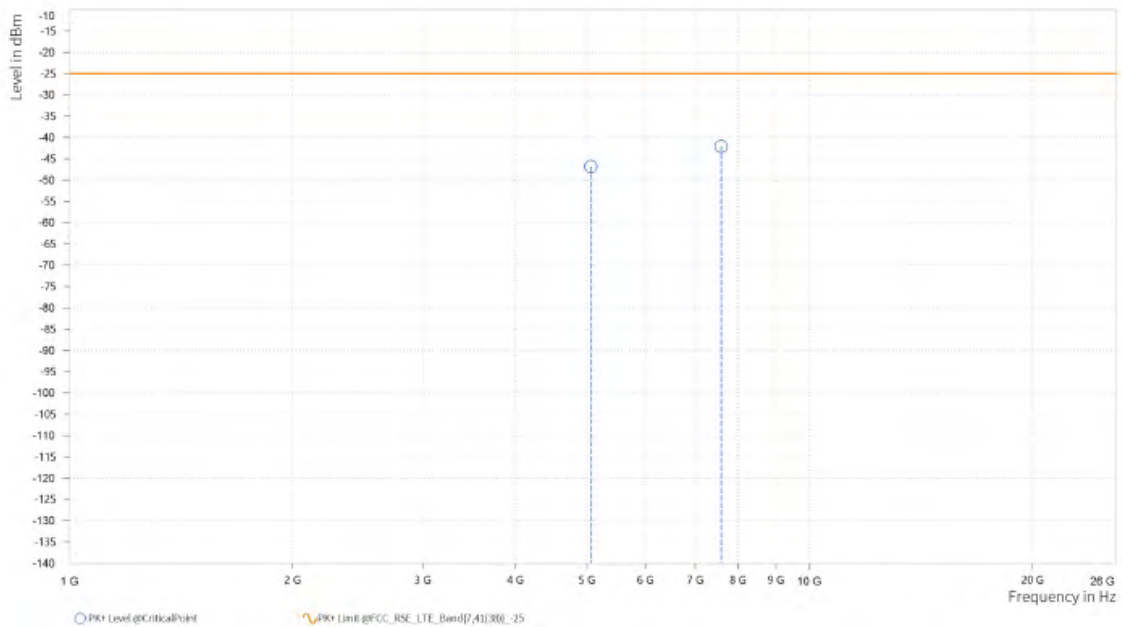


Test Report No.: W7L-P23070010RF09

CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,061.000	-46.84	-25.00	21.84	25.47	H	359	2
5	7,591.500	-42.07	-25.00	17.07	29.34	H	53.4	2

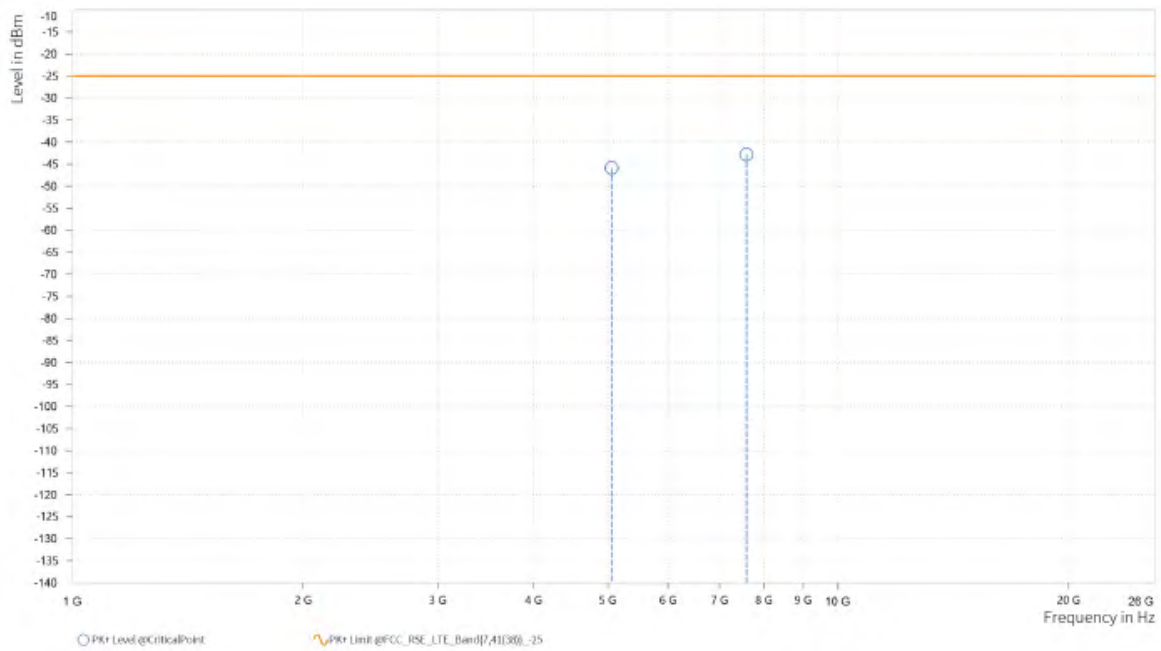




Test Report No.: W7L-P23070010RF09

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

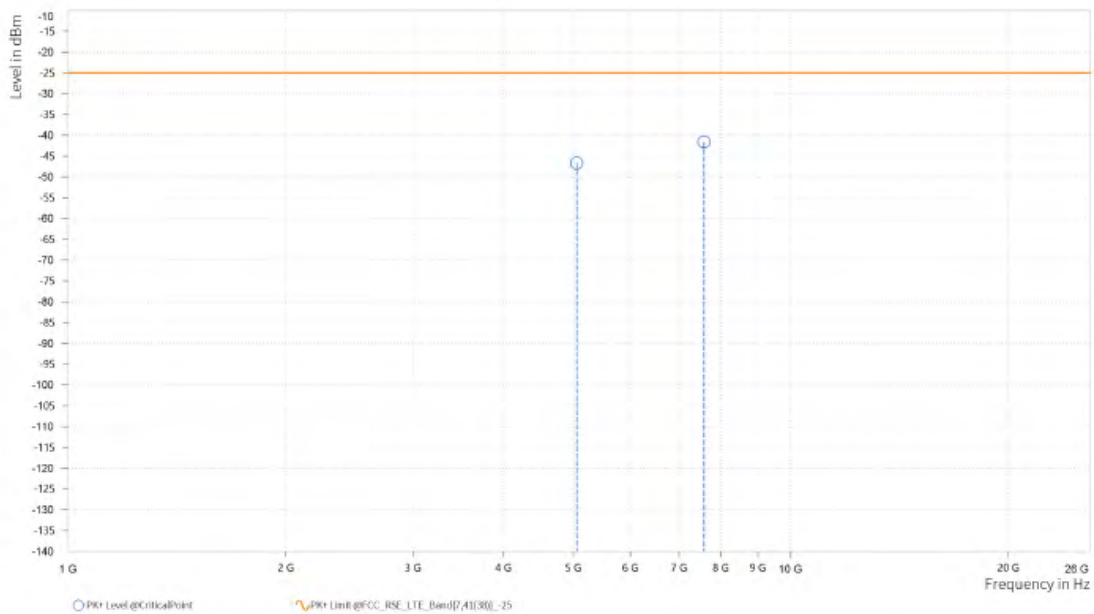
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,061.000	-45.91	-25.00	20.91	25.91	V	1	2
5	7,591.500	-42.85	-25.00	17.85	29.12	V	1	1



CHANNEL BANDWIDTH: 15MHz / QPSK

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,056.500	-46.71	-25.00	21.71	25.54	H	125.1	2
5	7,584.500	-41.60	-25.00	16.60	29.30	H	359	2

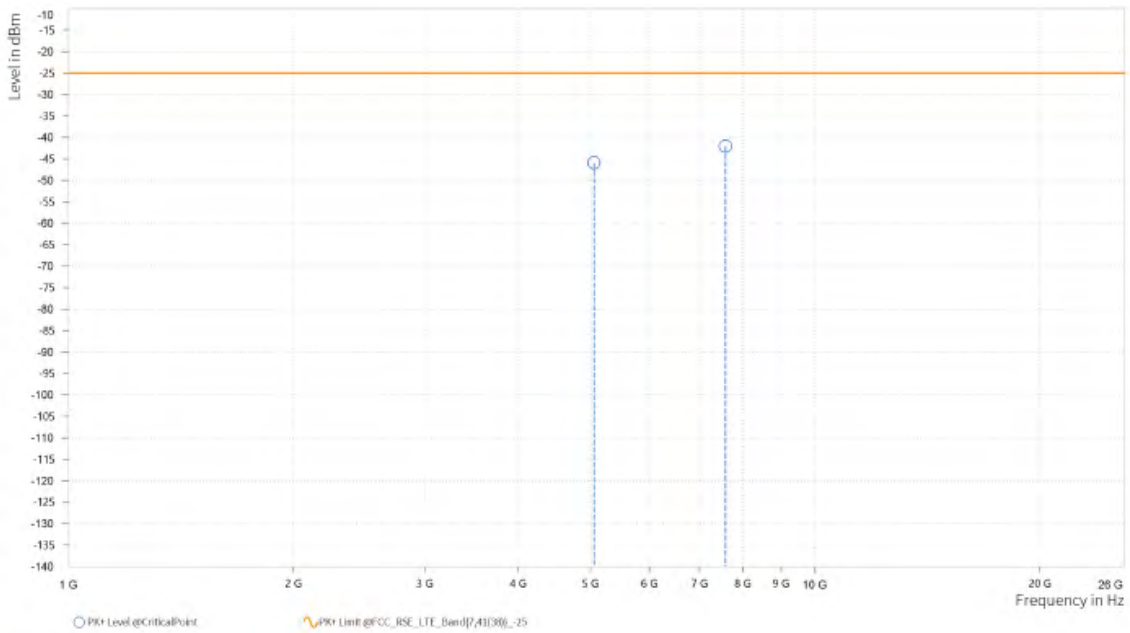




Test Report No.: W7L-P23070010RF09

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,056.500	-45.91	-25.00	20.91	25.96	V	359.1	1
5	7,584.750	-42.04	-25.00	17.04	29.08	V	3	2





BUREAU VERITAS

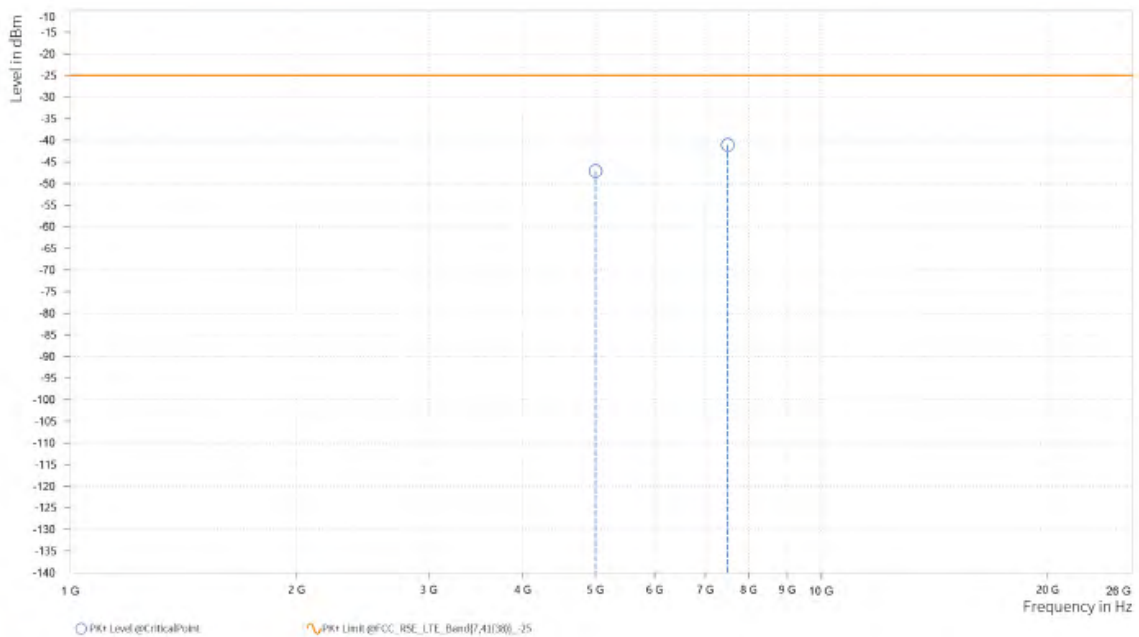
Test Report No.: W7L-P23070010RF09

CHANNEL BANDWIDTH: 20MHz / QPSK

CH 502000:

MODE	TX channel 502000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,002.000	-47.13	-25.00	22.13	25.27	H	359	1
5	7,503.000	-41.06	-25.00	16.06	29.19	H	358.5	1

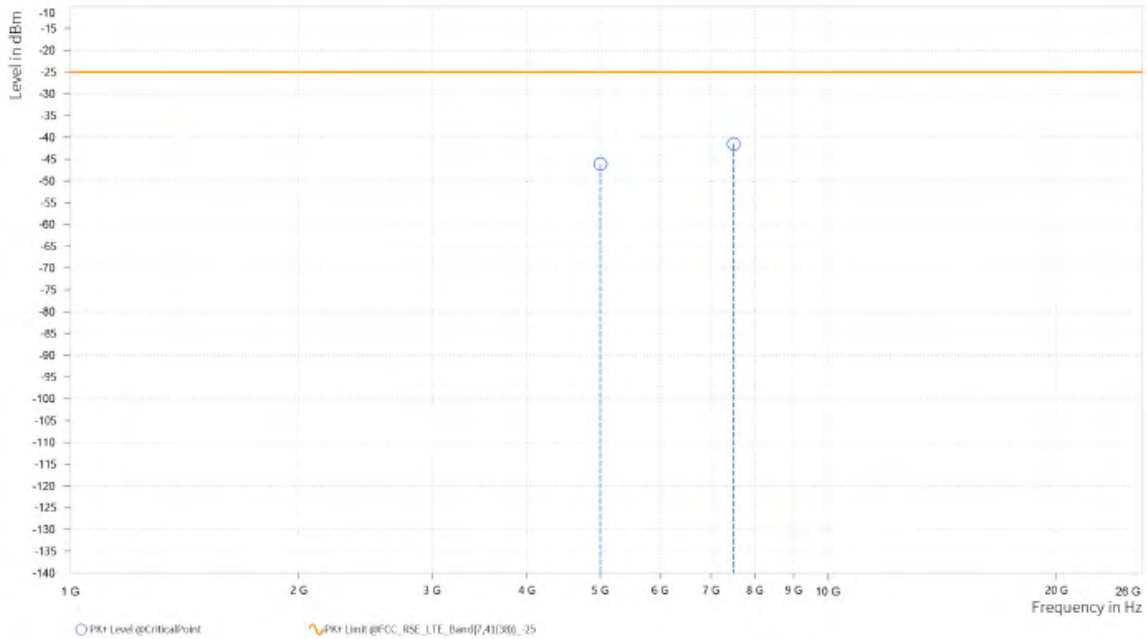




Test Report No.: W7L-P23070010RF09

MODE	TX channel 502000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,002.000	-46.11	-25.00	21.11	25.49	V	1	1
5	7,503.000	-41.49	-25.00	16.49	29.17	V	359.1	1



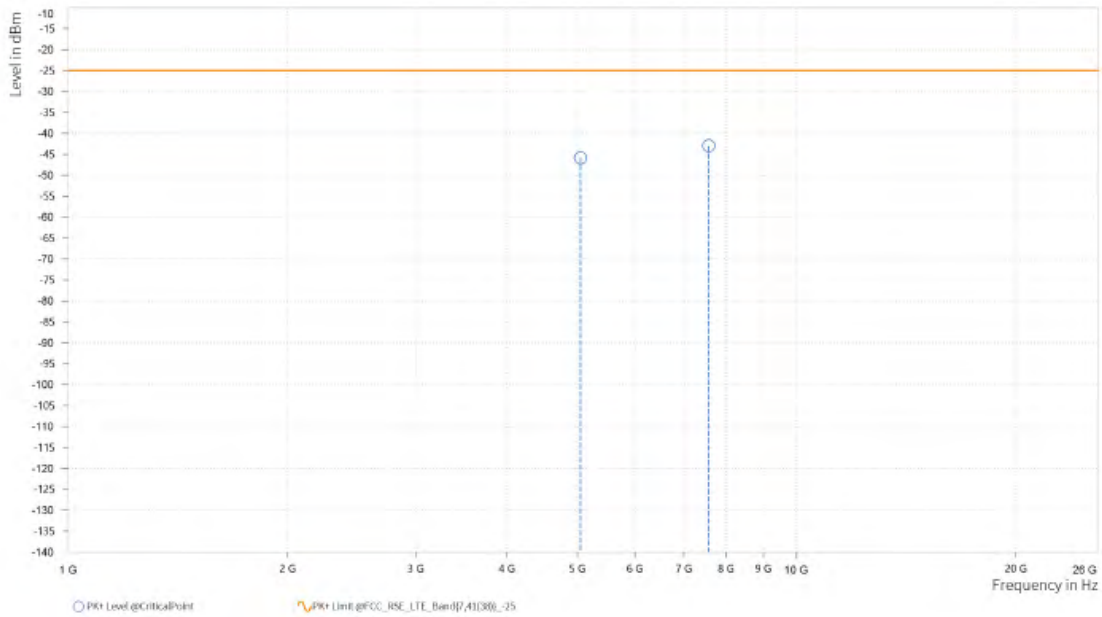


Test Report No.: W7L-P23070010RF09

CH507000:

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,052.000	-45.87	-25.00	20.87	25.59	H	30.7	2
5	7,578.000	-43.00	-25.00	18.00	29.30	H	359.1	1

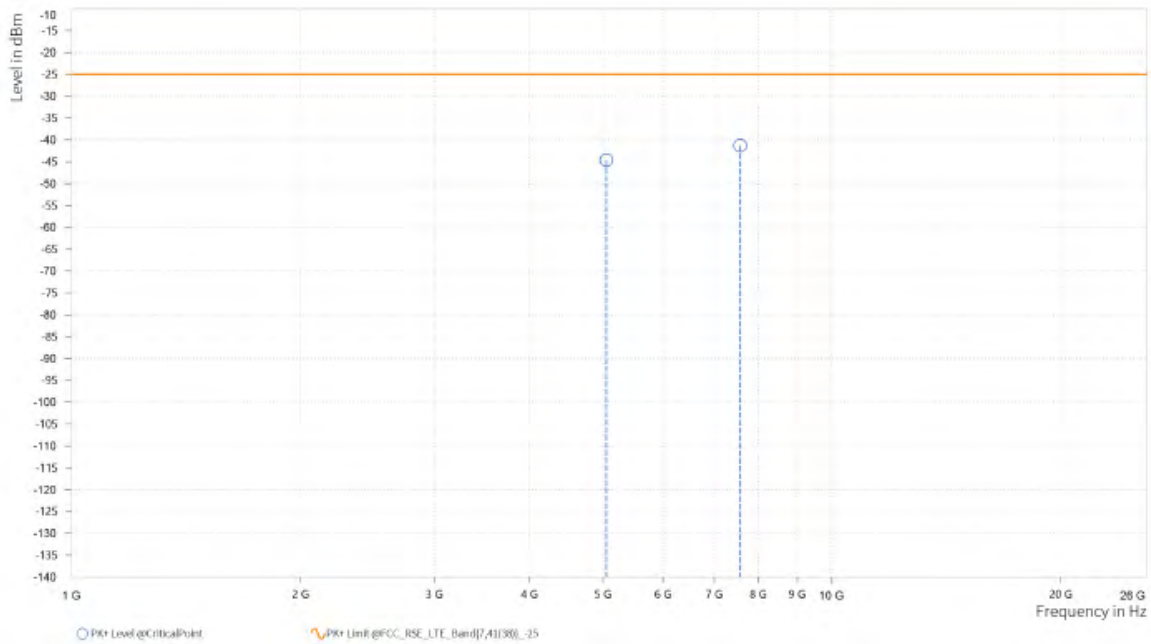




Test Report No.: W7L-P23070010RF09

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,052.000	-44.67	-25.00	19.67	26.00	V	359	1
5	7,578.000	-41.31	-25.00	16.31	29.10	V	359	1





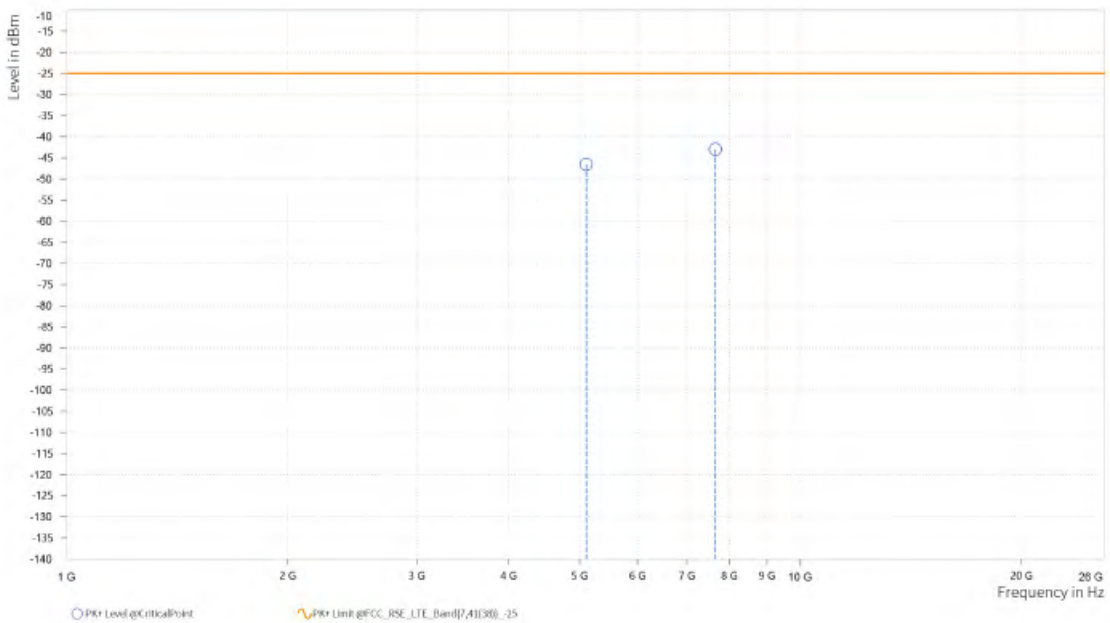
**BUREAU
VERITAS**

Test Report No.: W7L-P23070010RF09

CH512000:

MODE	TX channel 512000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,102.000	-46.51	-25.00	21.51	24.83	H	1	1
5	7,653.000	-43.00	-25.00	18.00	29.19	H	359.1	1

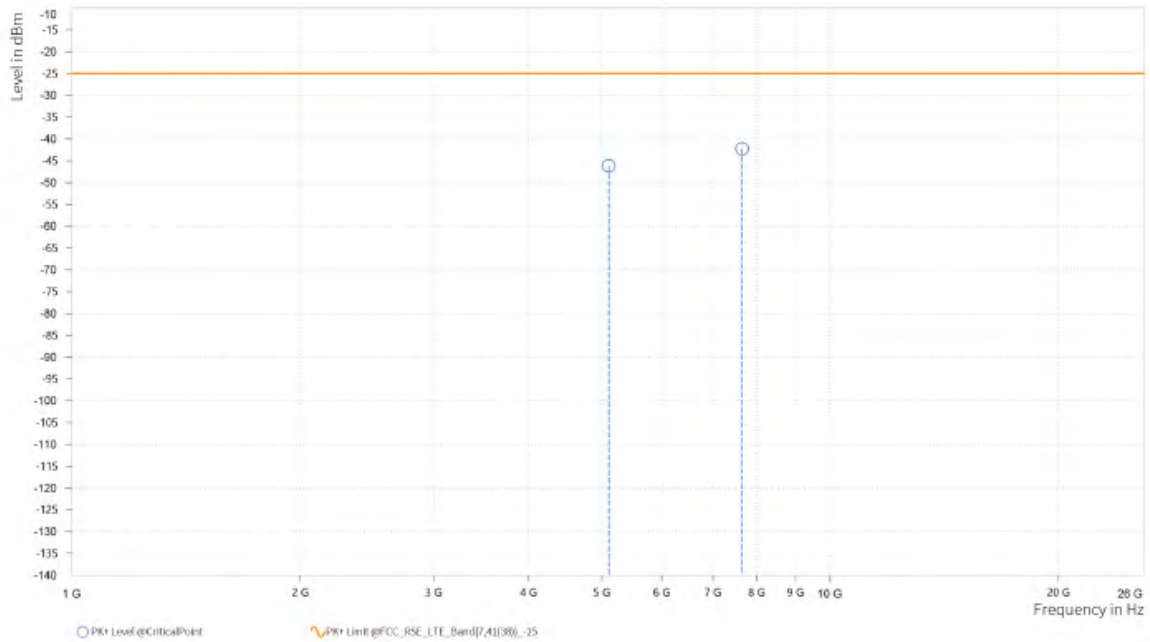




Test Report No.: W7L-P23070010RF09

MODE	TX channel 512000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,102.000	-46.15	-25.00	21.15	25.35	V	0.9	2
5	7,653.000	-42.21	-25.00	17.21	29.04	V	1	1



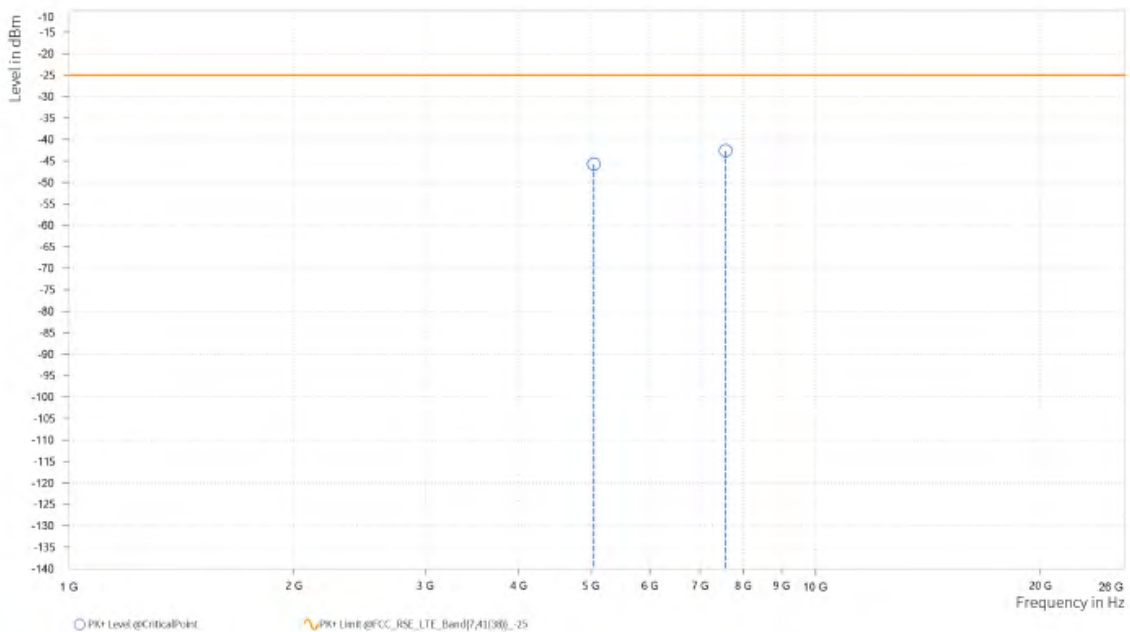


Test Report No.: W7L-P23070010RF09

CHANNEL BANDWIDTH: 25MHz / QPSK

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,047.500	-45.75	-25.00	20.75	25.63	H	1	1
5	7,571.250	-42.64	-25.00	17.64	29.33	H	359	2

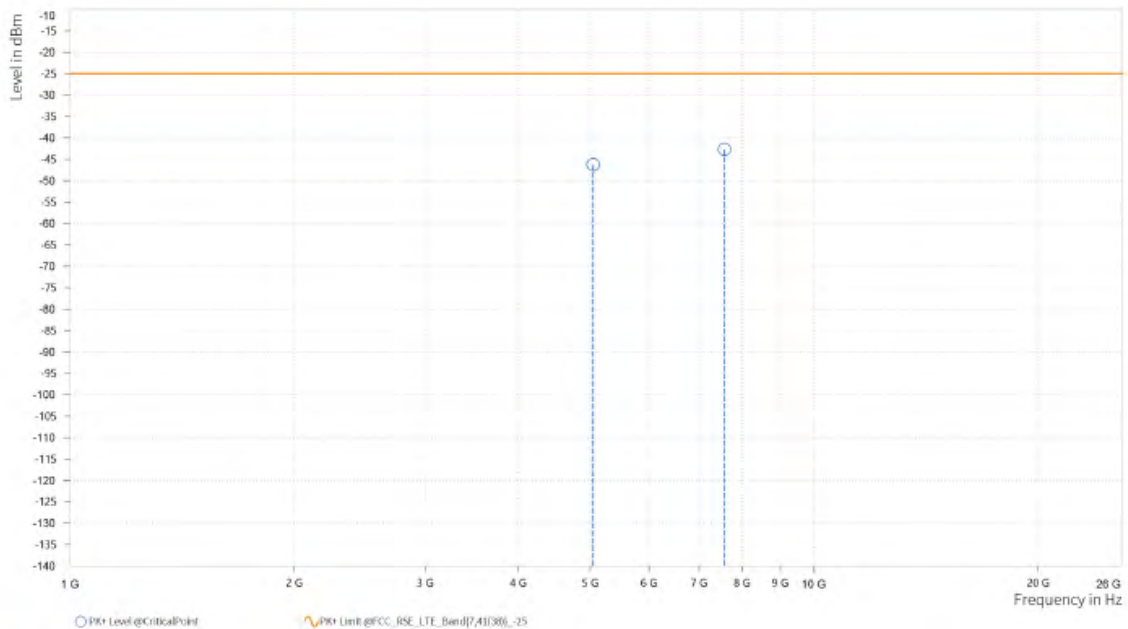




Test Report No.: W7L-P23070010RF09

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,047.500	-46.27	-25.00	21.27	26.02	V	291	1
5	7,571.250	-42.69	-25.00	17.69	29.14	V	1	1



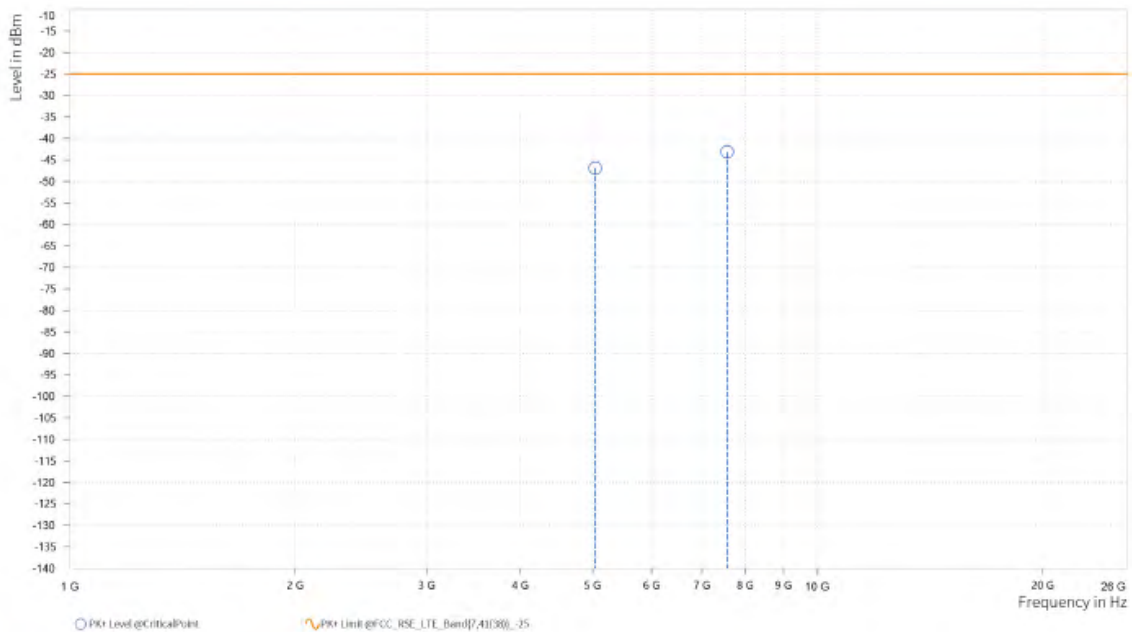


Test Report No.: W7L-P23070010RF09

CHANNEL BANDWIDTH: 30MHz / QPSK

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,043.000	-46.90	-25.00	21.90	25.59	H	0.9	2
5	7,564.500	-43.13	-25.00	18.13	29.28	H	359	2

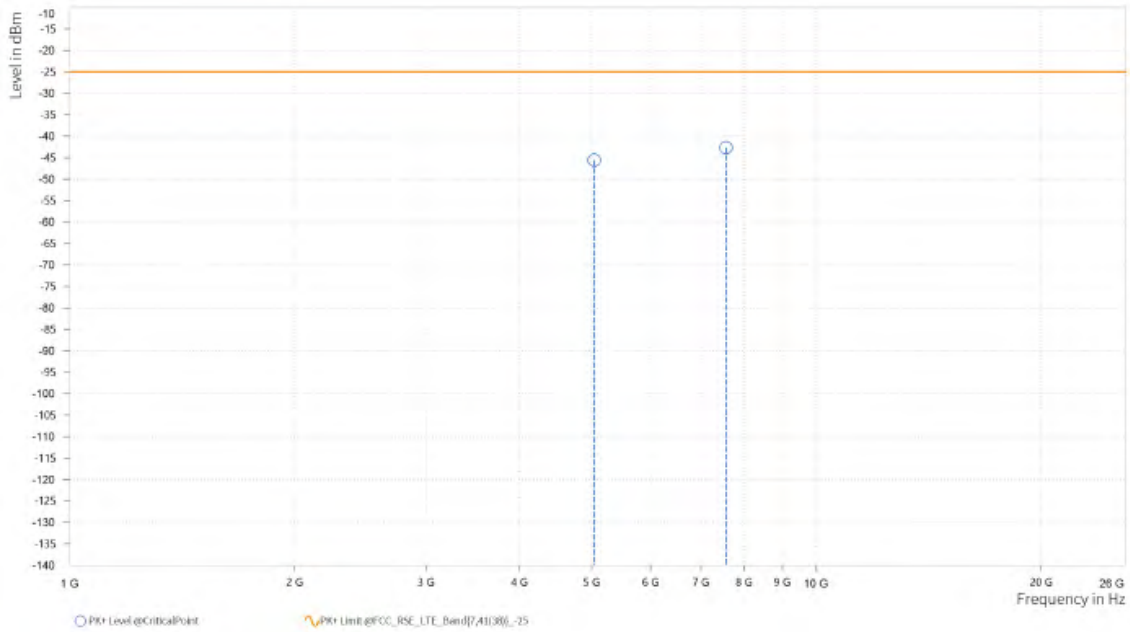




Test Report No.: W7L-P23070010RF09

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,043.000	-45.61	-25.00	20.61	25.96	V	359.1	1
5	7,564.500	-42.67	-25.00	17.67	29.11	V	359	2





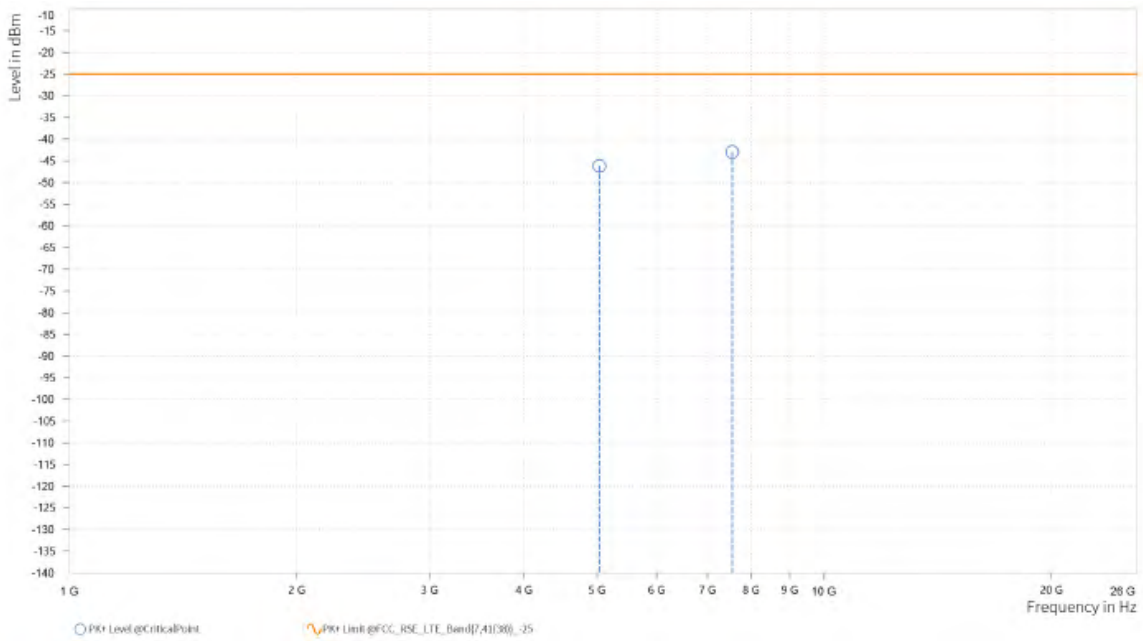
**BUREAU
VERITAS**

Test Report No.: W7L-P23070010RF09

CHANNEL BANDWIDTH: 40MHz / QPSK

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,034.000	-46.15	-25.00	21.15	25.61	H	313.8	1
5	7,551.000	-42.94	-25.00	17.94	29.12	H	1	1

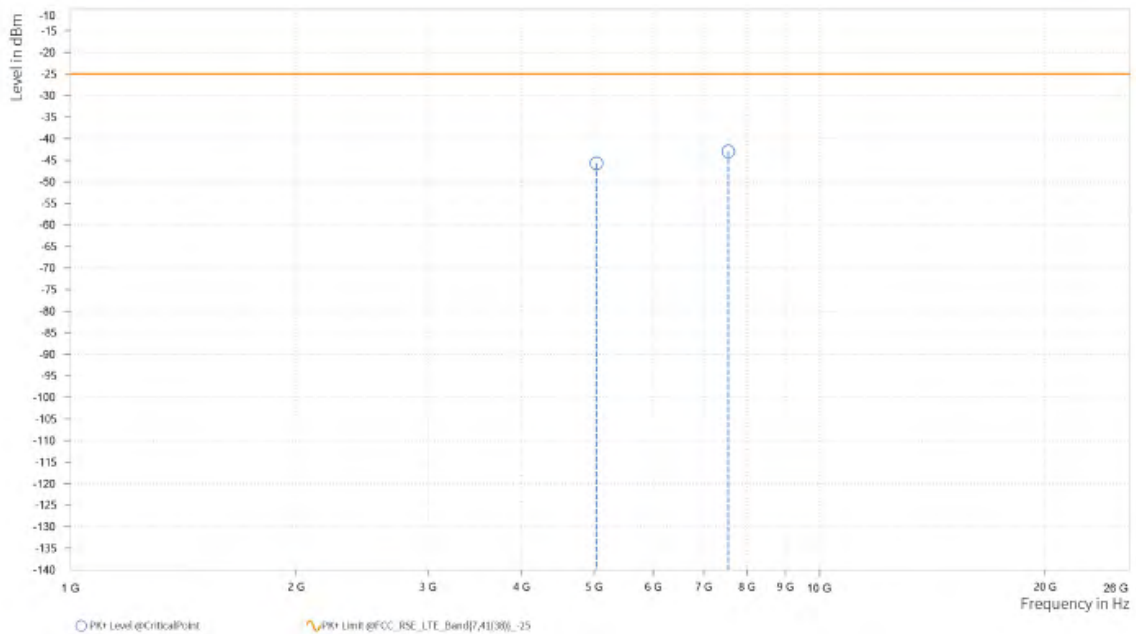




Test Report No.: W7L-P23070010RF09

MODE	TX channel 507000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,034.000	-45.70	-25.00	20.70	25.95	V	46.2	2
5	7,551.000	-42.94	-25.00	17.94	28.98	V	1	2





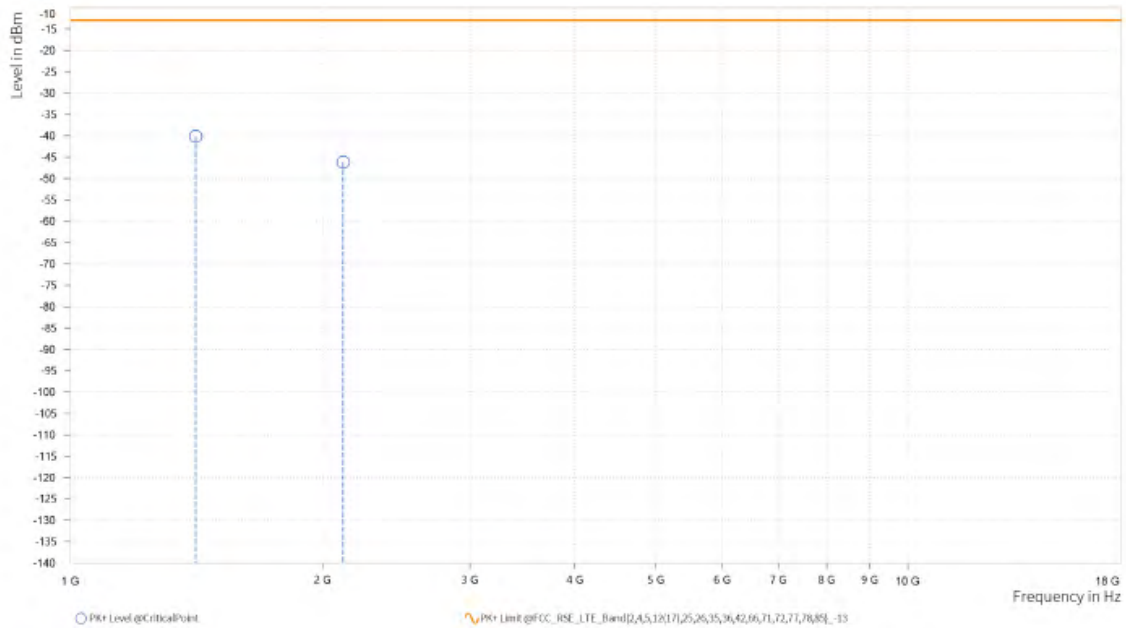
Test Report No.: W7L-P23070010RF09

N12

CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 141500	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,410.500	-40.15	-13.00	27.15	14.26	H	1	1
2	2,116.500	-46.15	-13.00	33.15	19.35	H	359	2

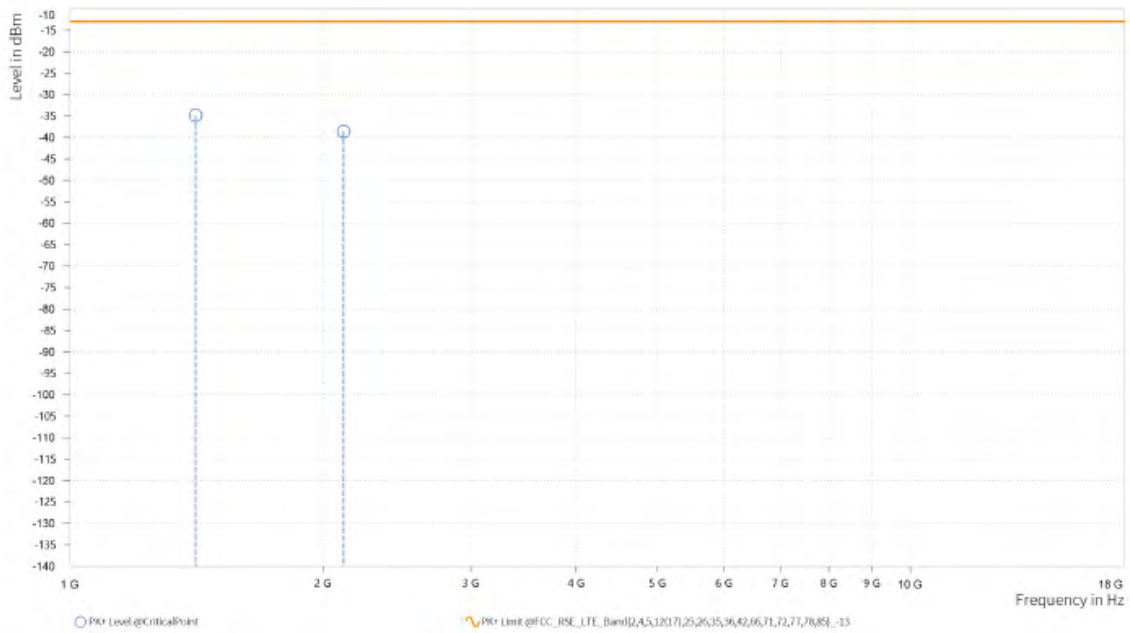




Test Report No.: W7L-P23070010RF09

MODE	TX channel 141500	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,410.500	-34.84	-13.00	21.84	14.08	V	271.1	2
2	2,116.000	-38.65	-13.00	25.65	19.98	V	0.9	2





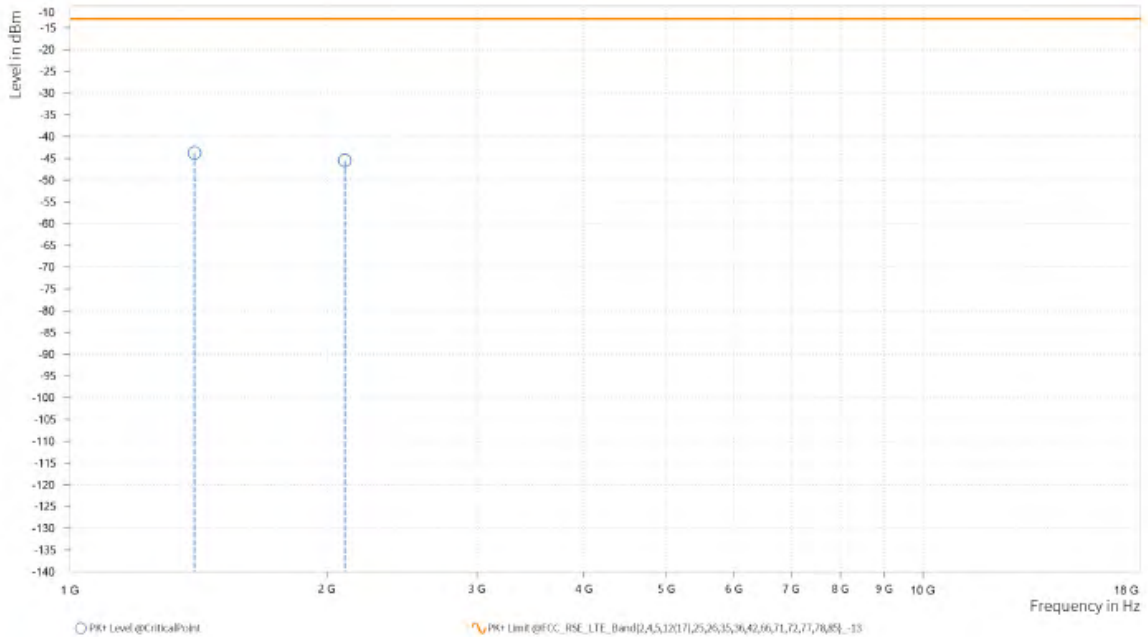
Test Report No.: W7L-P23070010RF09

CHANNEL BANDWIDTH: 10MHz / QPSK

CH 140800:

MODE	TX channel 140800	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,398.500	-43.76	-13.00	30.76	13.78	H	1	1
2	2,098.000	-45.52	-13.00	32.52	18.99	H	359	2

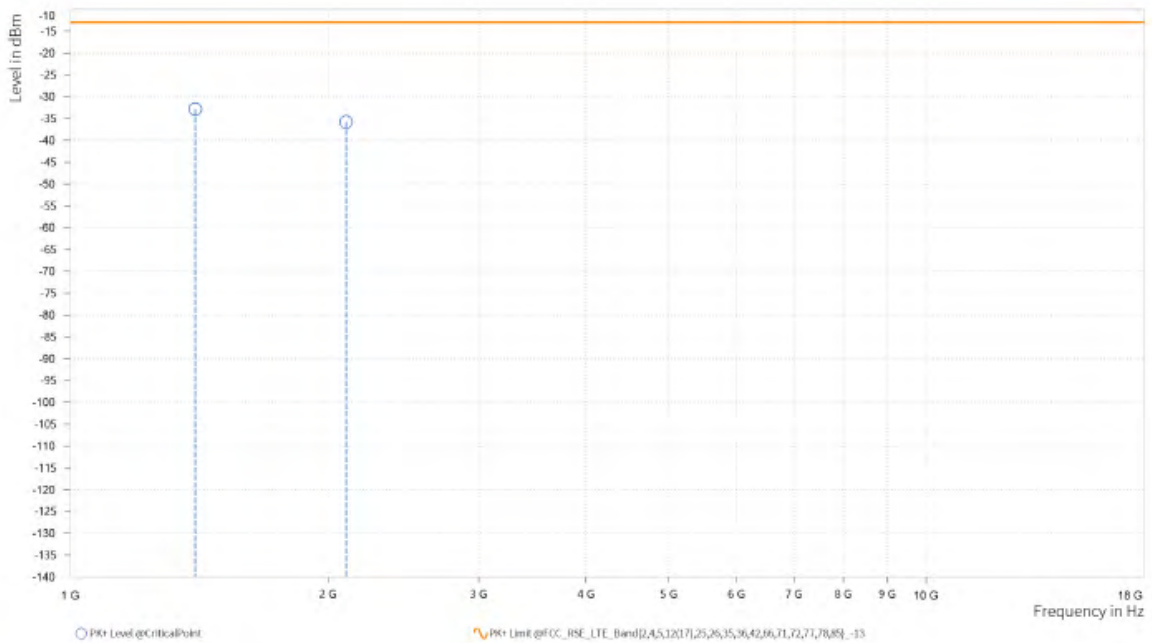




Test Report No.: W7L-P23070010RF09

MODE	TX channel 140800	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,399.000	-32.91	-13.00	19.91	14.22	V	272.2	2
2	2,098.500	-35.77	-13.00	22.77	20.02	V	1	2



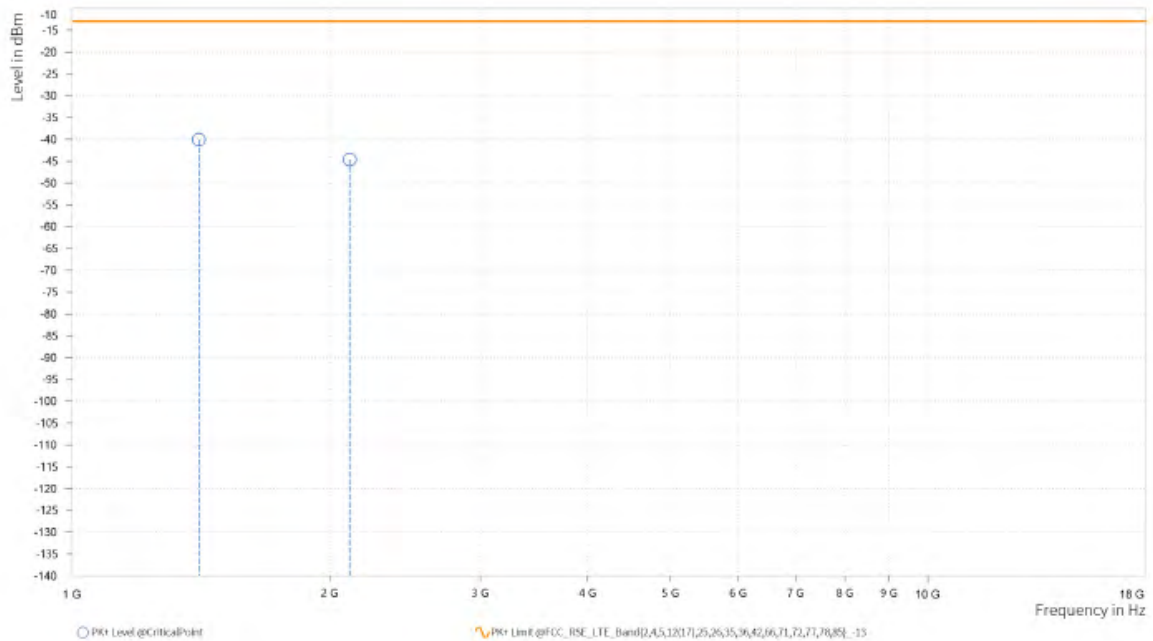


Test Report No.: W7L-P23070010RF09

CH141500:

MODE	TX channel 141500	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,406.000	-40.07	-13.00	27.07	14.06	H	271	2
2	2,109.000	-44.63	-13.00	31.63	19.38	H	86.6	1

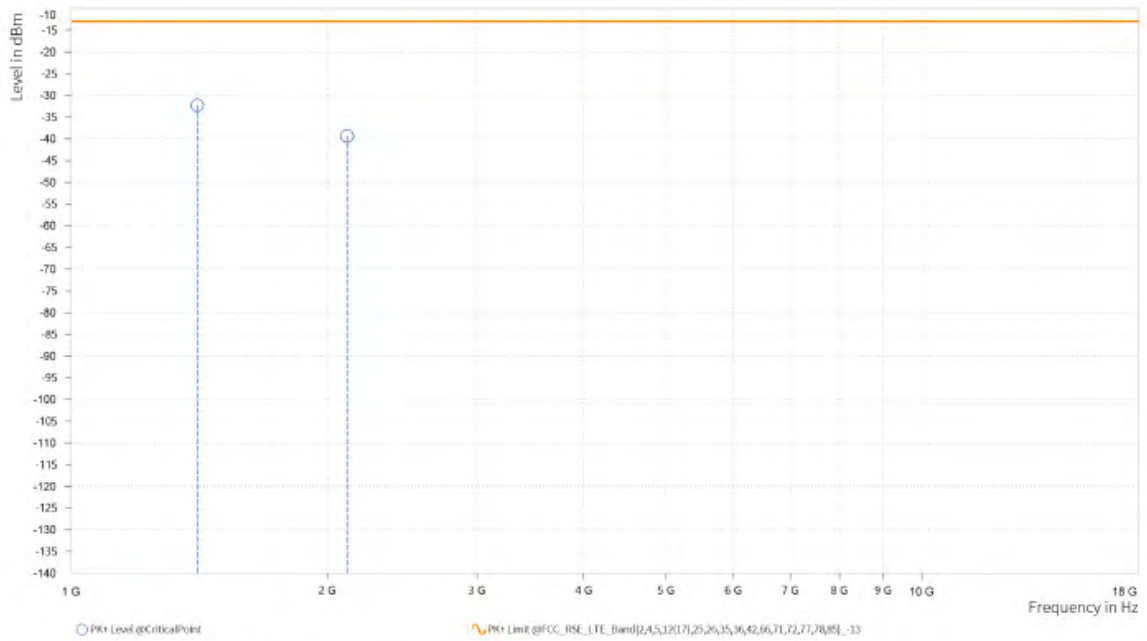




Test Report No.: W7L-P23070010RF09

MODE	TX channel 141500	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,406,000	-32.28	-13.00	19.28	14.19	V	269.8	2
2	2,109,000	-39.31	-13.00	26.31	20.08	V	359	2





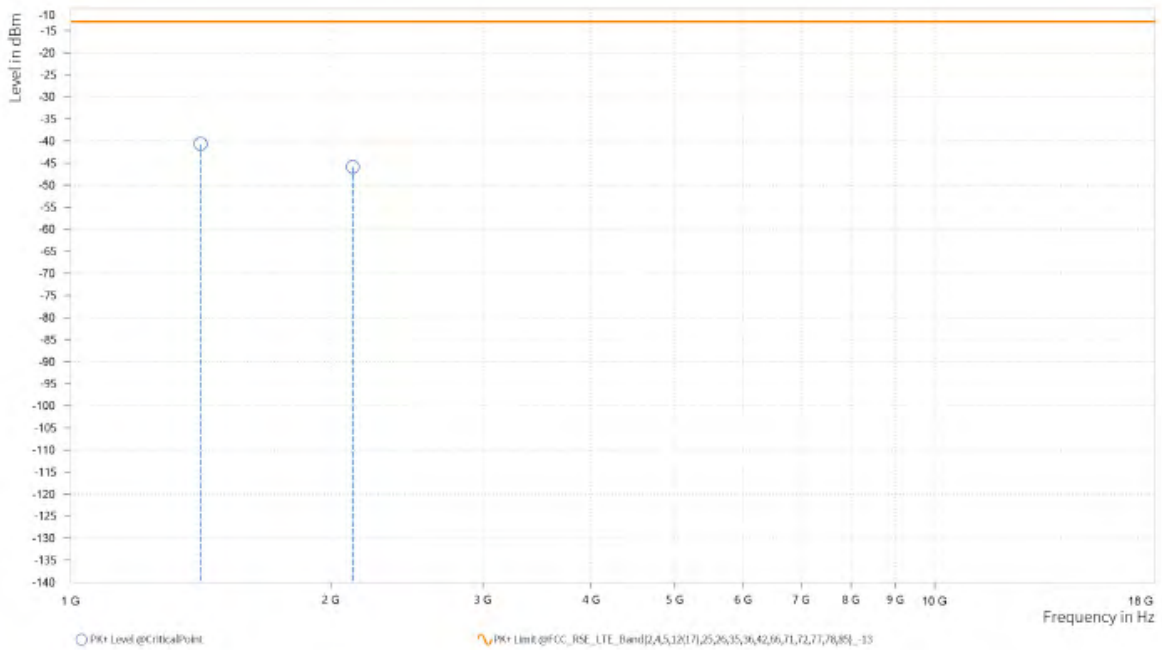
**BUREAU
VERITAS**

Test Report No.: W7L-P23070010RF09

CH 142200:

MODE	TX channel 142200	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,413.000	-40.66	-13.00	27.66	14.37	H	1	1
2	2,119.500	-45.89	-13.00	32.89	19.34	H	0.9	2

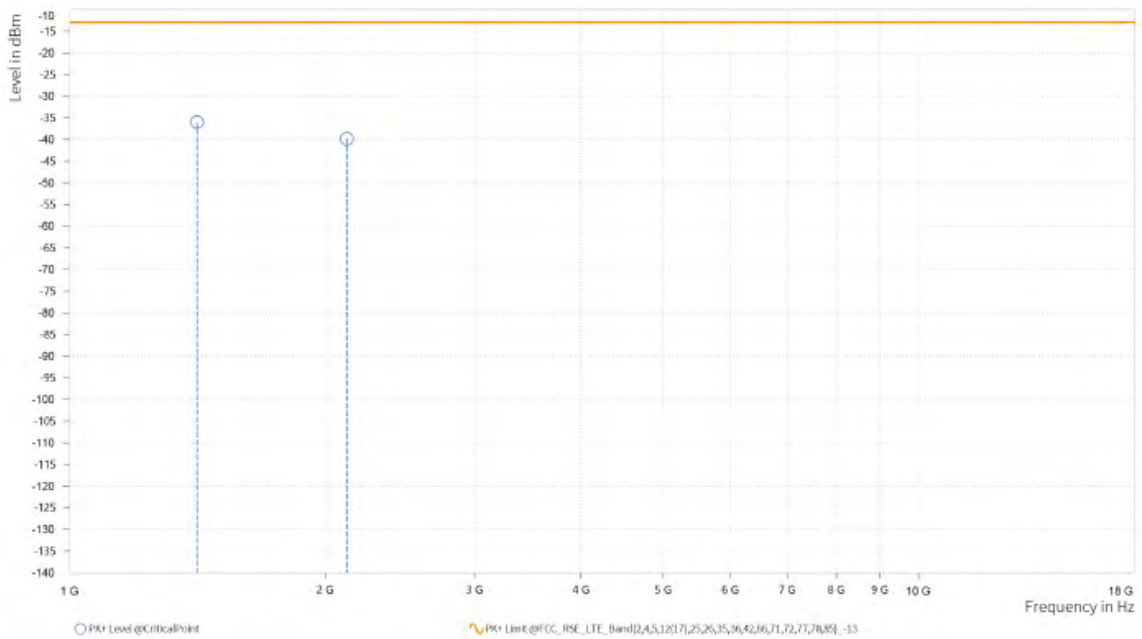




Test Report No.: W7L-P23070010RF09

MODE	TX channel 142200	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,412.500	-36.02	-13.00	23.02	14.02	V	272.2	2
2	2,119.500	-39.83	-13.00	26.83	19.94	V	359	2



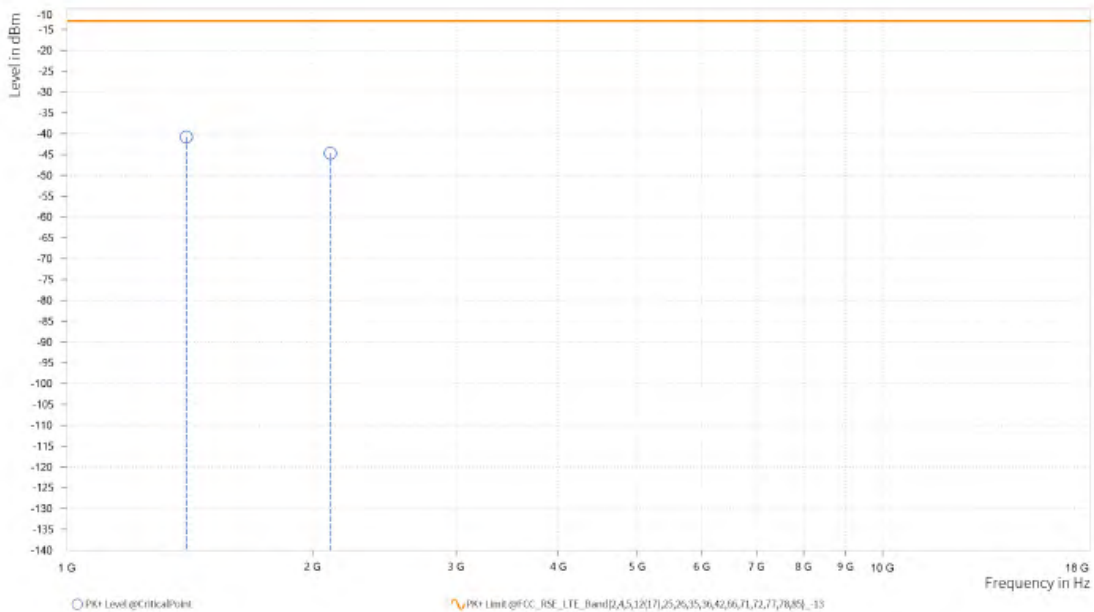


Test Report No.: W7L-P23070010RF09

CHANNEL BANDWIDTH: 15MHz / QPSK

MODE	TX channel 141500	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,400.500	-40.78	-13.00	27.78	13.84	H	98.6	1
2	2,102.000	-44.69	-13.00	31.69	19.20	H	359	2

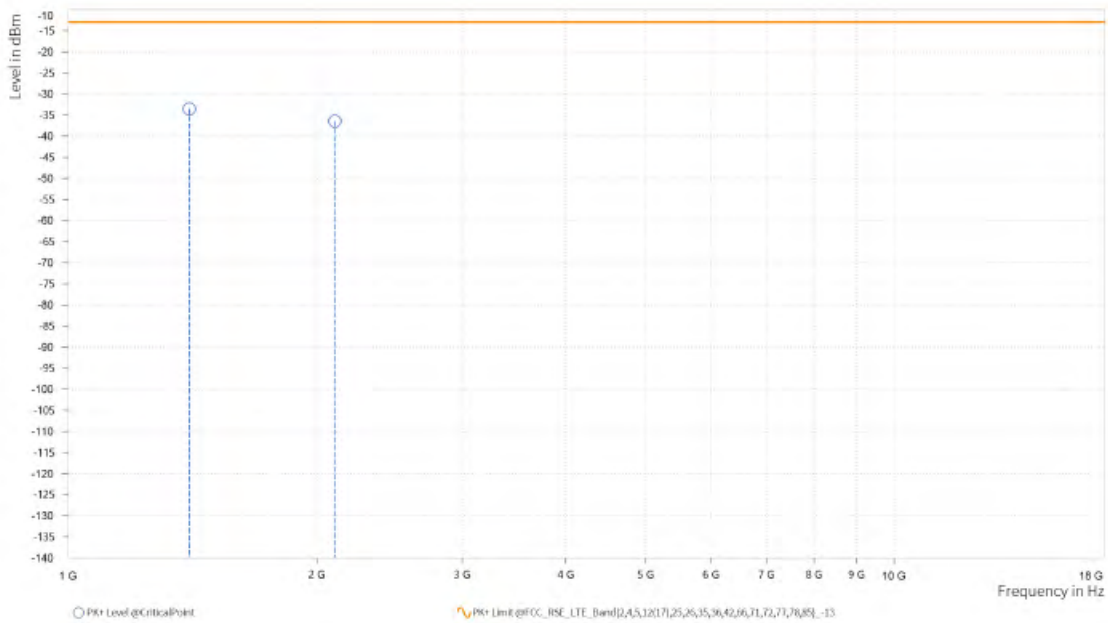




Test Report No.: W7L-P23070010RF09

MODE	TX channel 141500	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,401.000	-33.52	-13.00	20.52	14.27	V	272.2	2
2	2,101.500	-36.41	-13.00	23.41	20.07	V	359	2





Test Report No.: W7L-P23070010RF09

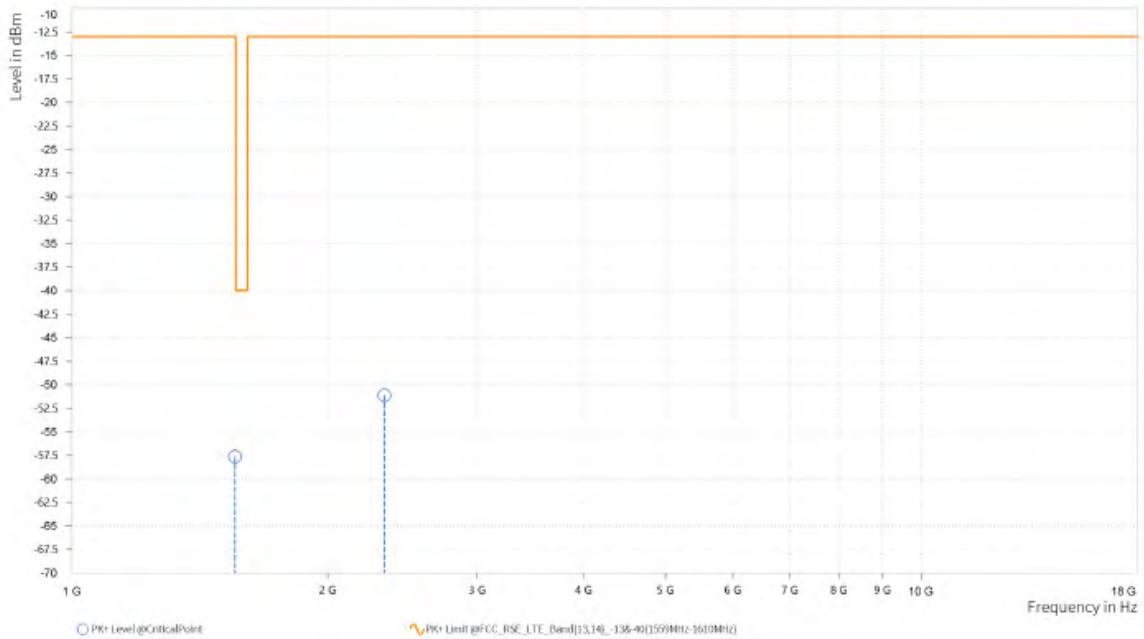
N13

CHANNEL BANDWIDTH: 5MHz / QPSK

CH 155900:

MODE	TX channel 155900	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,554.500	-57.63	-13.00	44.63	15.76	H	298.5	1
3	2,332.000	-51.13	-13.00	38.13	23.12	H	1	2

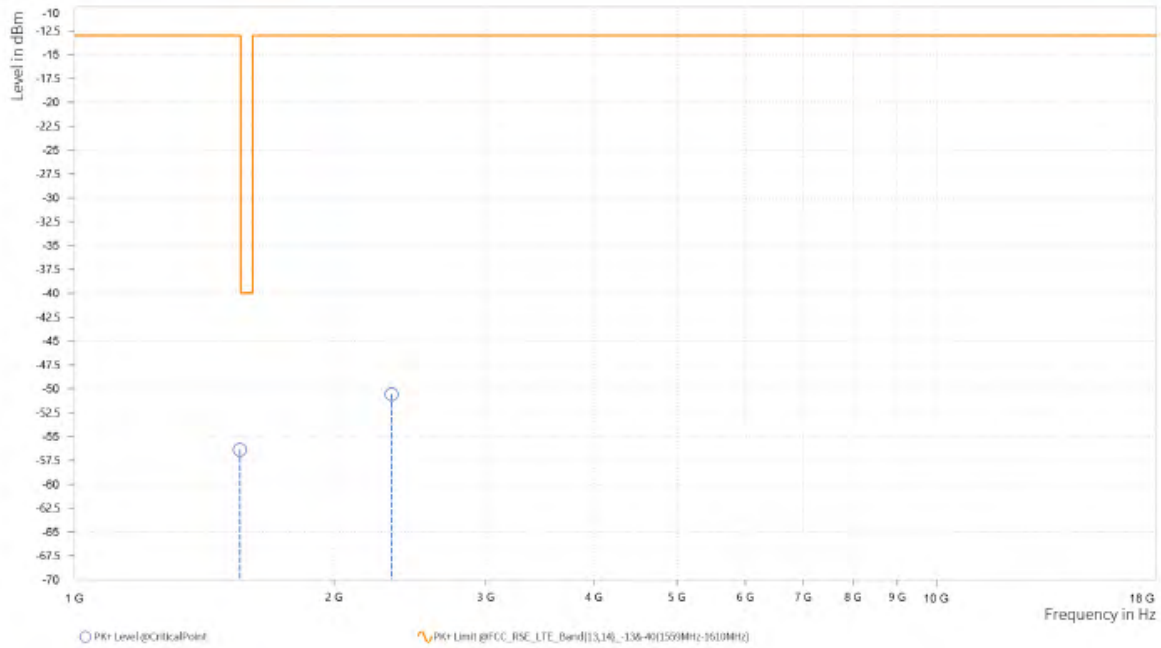




Test Report No.: W7L-P23070010RF09

MODE	TX channel 155900	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,554.500	-56.38	-13.00	43.38	15.40	V	1.9	2
3	2,332.000	-50.58	-13.00	37.58	22.63	V	359	2





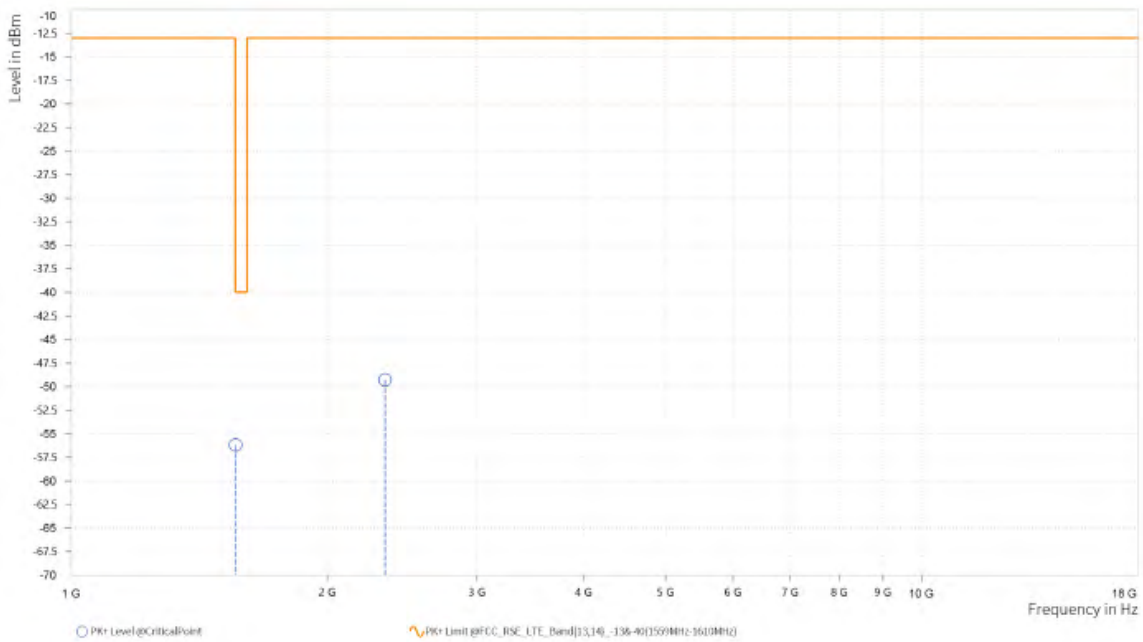
BUREAU
VERITAS

Test Report No.: W7L-P23070010RF09

CH 156400:

MODE	TX channel 156400	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,559.500	-56.20	-40.00	16.20	15.79	H	293.6	1
3	2,339.000	-49.29	-13.00	36.29	23.05	H	358.6	1

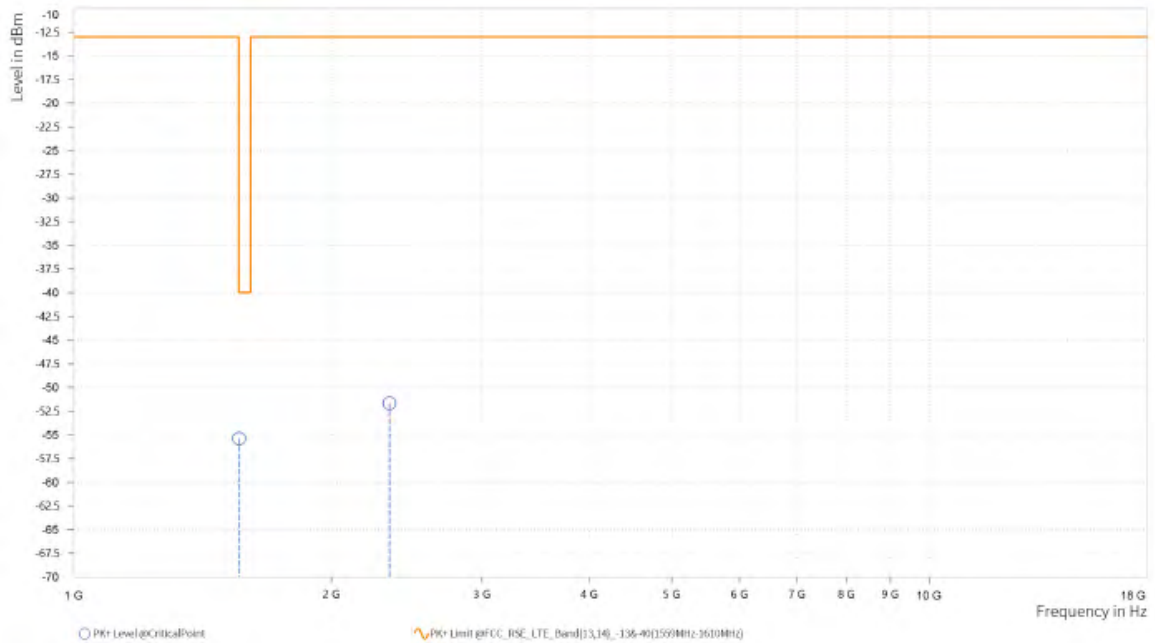




Test Report No.: W7L-P23070010RF09

MODE	TX channel 156400	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,559.500	-55.38	-40.00	15.38	15.46	V	58.1	2
3	2,339.000	-51.67	-13.00	38.67	22.61	V	45	2





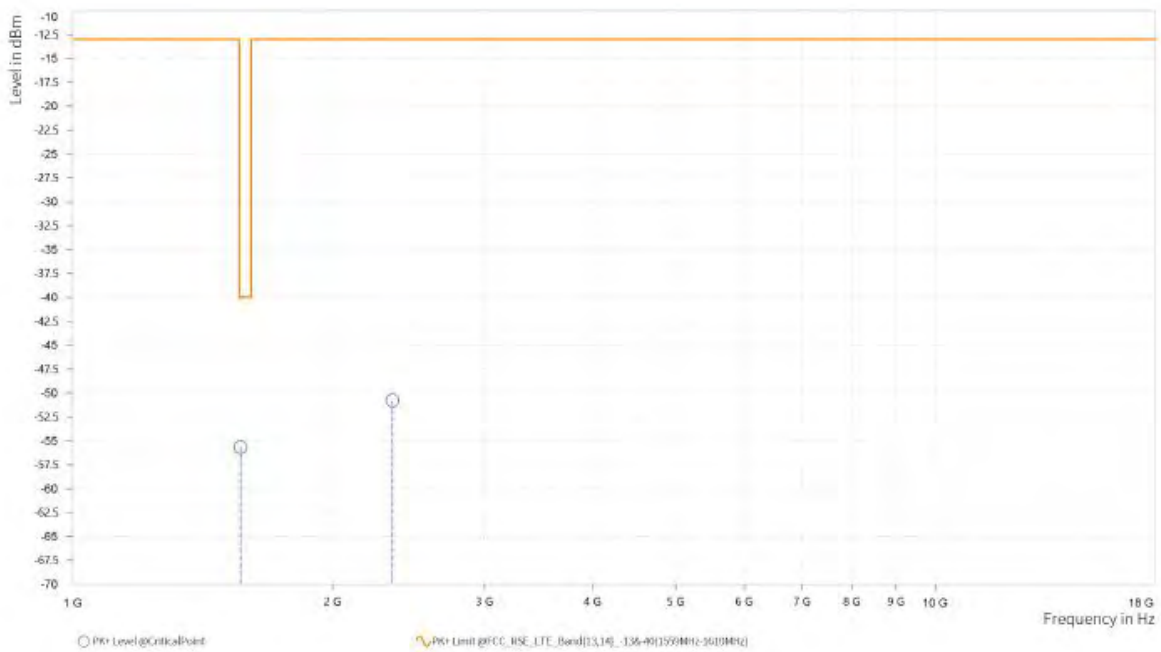
**BUREAU
VERITAS**

Test Report No.: W7L-P23070010RF09

CH 156900:

MODE	TX channel 156900	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,564.500	-55.67	-40.00	15.67	15.73	H	53.3	2
3	2,347.000	-50.80	-13.00	37.80	23.05	H	319.9	2

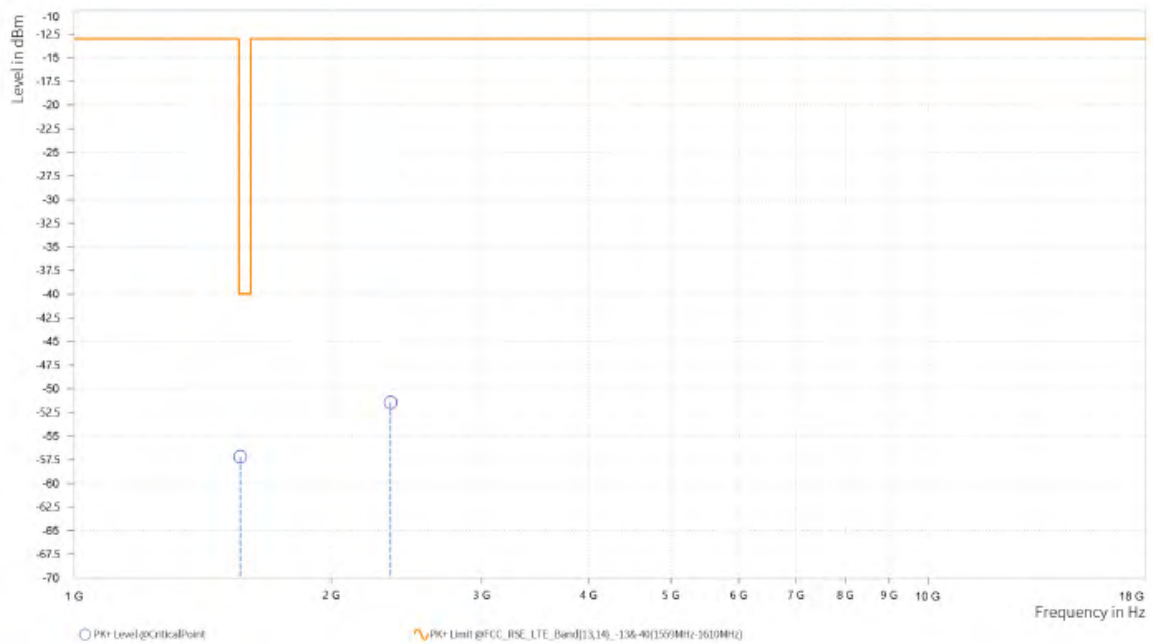




Test Report No.: W7L-P23070010RF09

MODE	TX channel 156900	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,564.500	-57.19	-40.00	17.19	15.45	V	284	2
3	2,347.000	-51.45	-13.00	38.45	22.65	V	226.7	2



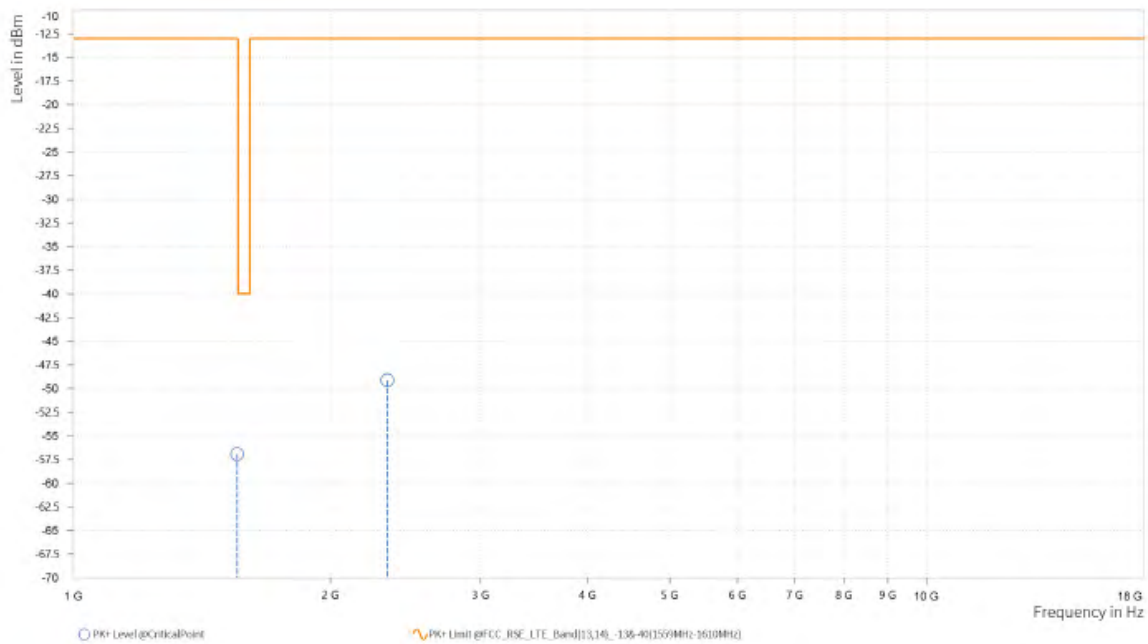


Test Report No.: W7L-P23070010RF09

CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 156400	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,555.000	-56.91	-13.00	43.91	15.77	H	293.5	1
3	2,332.500	-49.13	-13.00	36.13	23.11	H	104.7	2

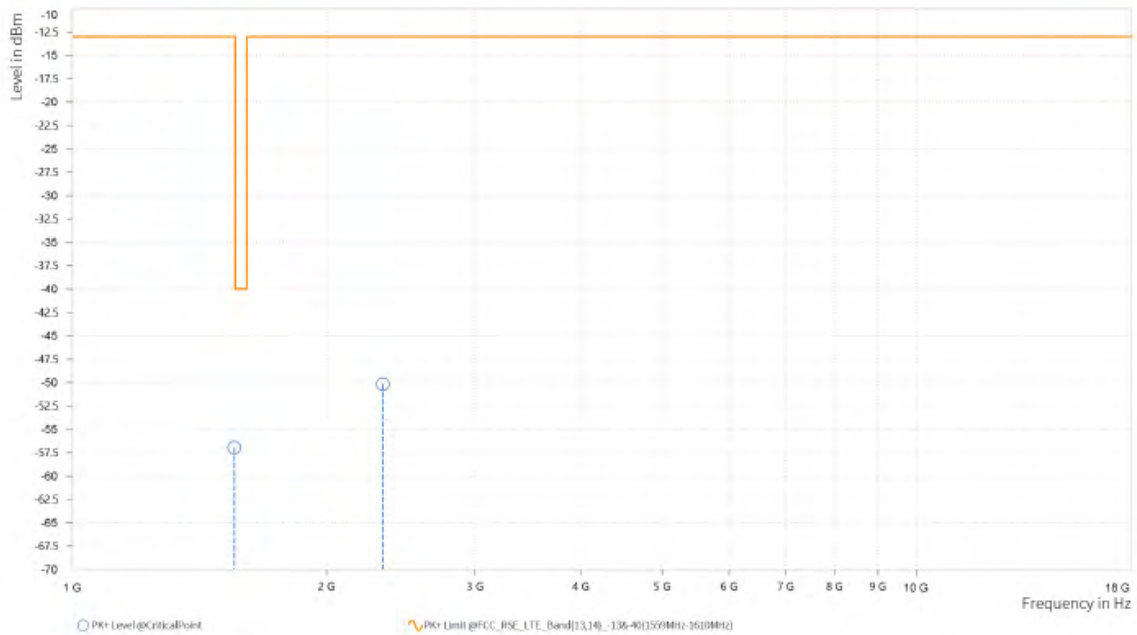




Test Report No.: W7L-P23070010RF09

MODE	TX channel 156400	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,555.000	-56.95	-13.00	43.95	15.41	V	304.4	2
3	2,332.500	-50.14	-13.00	37.14	22.62	V	359	2





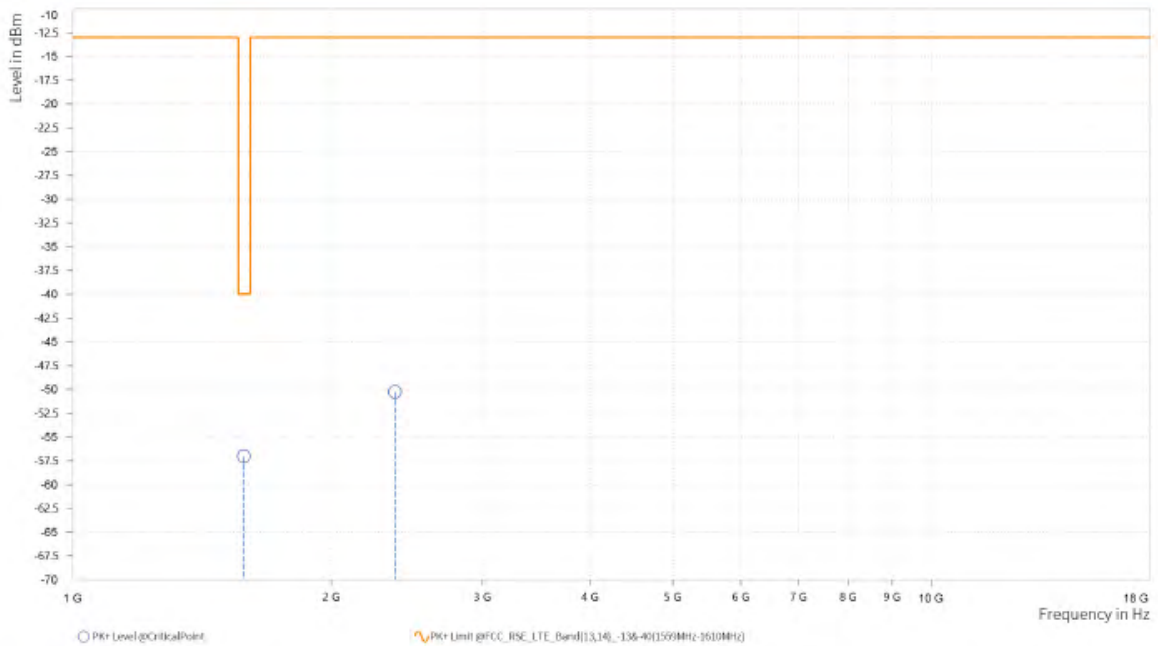
Test Report No.: W7L-P23070010RF09

N14

CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 158600	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,581.500	-57.04	-40.00	17.04	15.55	H	357.8	2
3	2,372.000	-50.27	-13.00	37.27	23.09	H	304.4	2

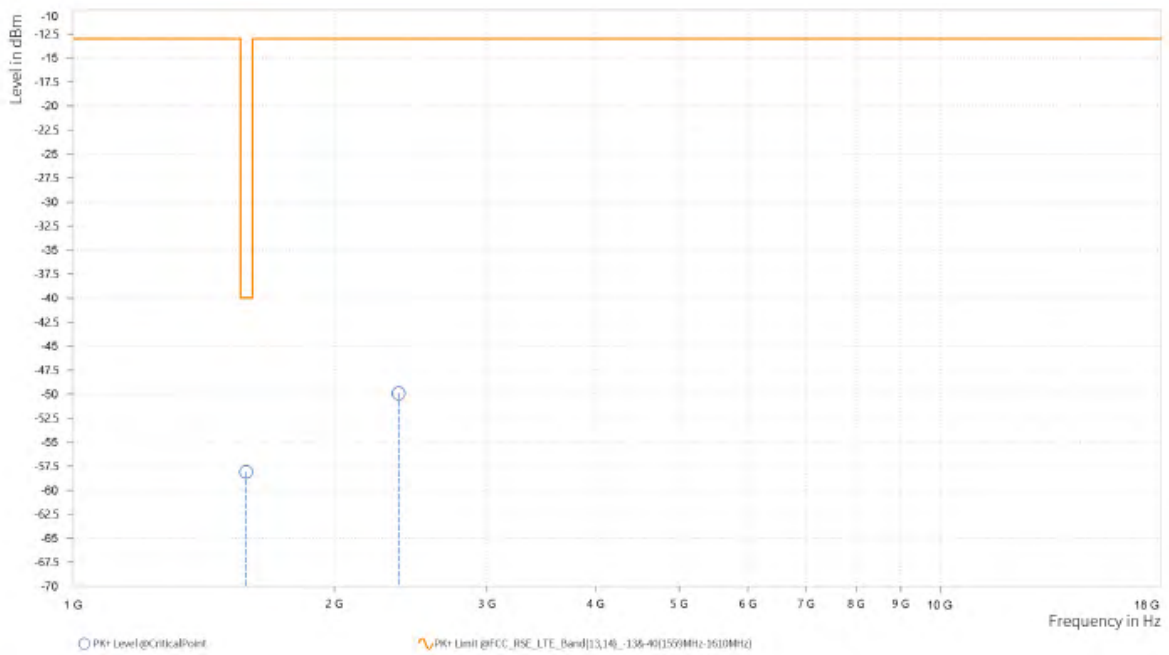




Test Report No.: W7L-P23070010RF09

MODE	TX channel 158600	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

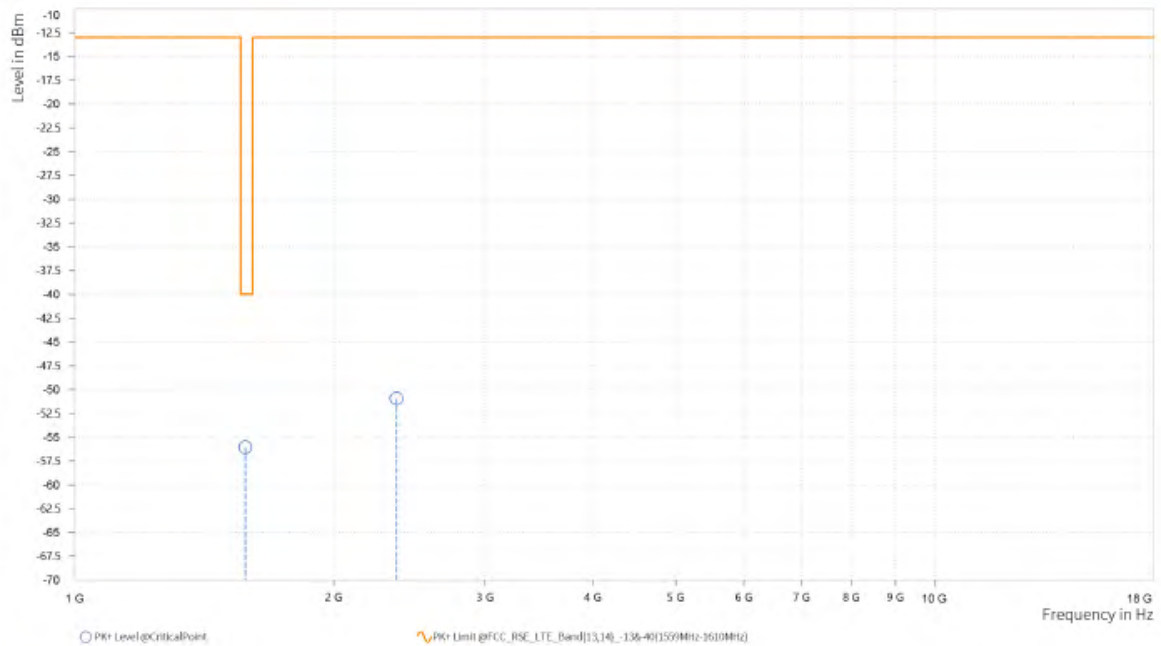
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,581.500	-58.10	-40.00	18.10	15.41	V	2.2	1
3	2,372.000	-49.91	-13.00	36.91	22.80	V	54.4	2



CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 158600	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,577.000	-56.07	-40.00	16.07	15.58	H	67.7	2
3	2,365.500	-50.93	-13.00	37.93	23.03	H	359	2





Test Report No.: W7L-P23070010RF09

MODE	TX channel 158600	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,577.000	-56.63	-40.00	16.63	15.39	V	65.3	2
3	2,365.500	-50.35	-13.00	37.35	22.72	V	1	1

