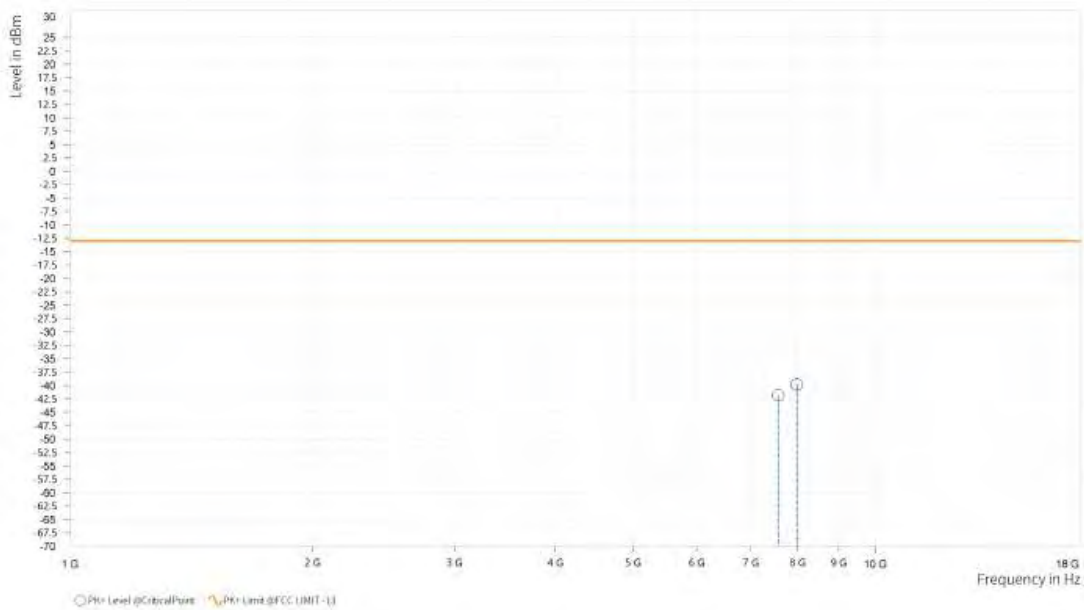




Test Report No.: W7L-P23100014RF12

MODE	TX channel 650000	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]
5	7,576.500	-41.86	-13.00	28.86	32.17	V	84.3	2
5	7,987.500	-39.85	-13.00	26.85	33.32	V	359.1	1



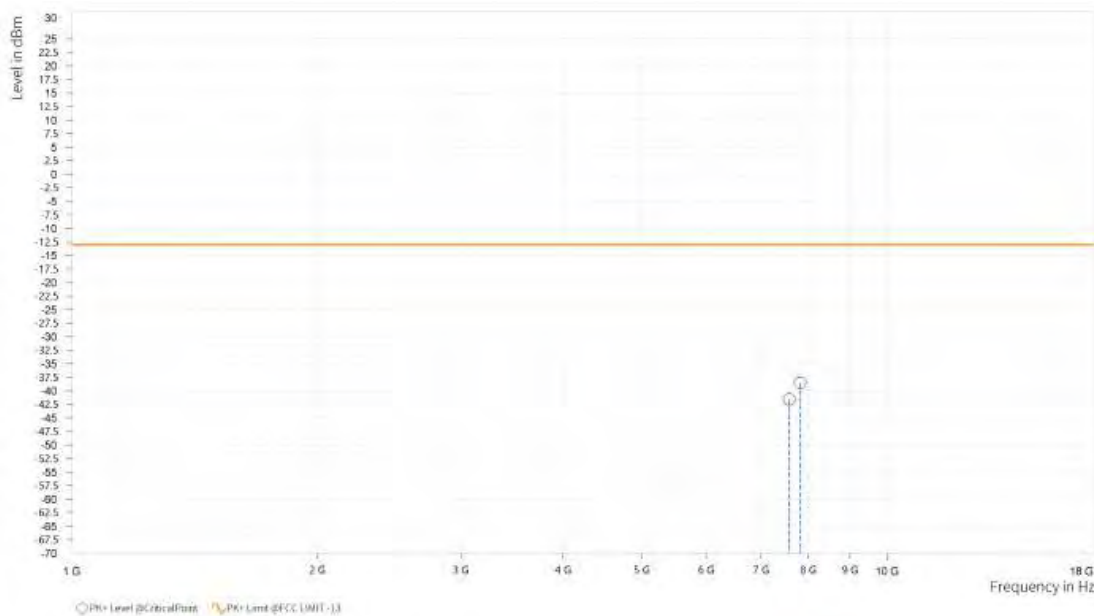


Test Report No.: W7L-P23100014RF12

CH656000

MODE	TX channel 656000	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]
5	7,582.500	-41.57	-13.00	28.57	32.16	H	47.2	2
5	7,822.500	-38.55	-13.00	25.55	32.95	H	270.9	1

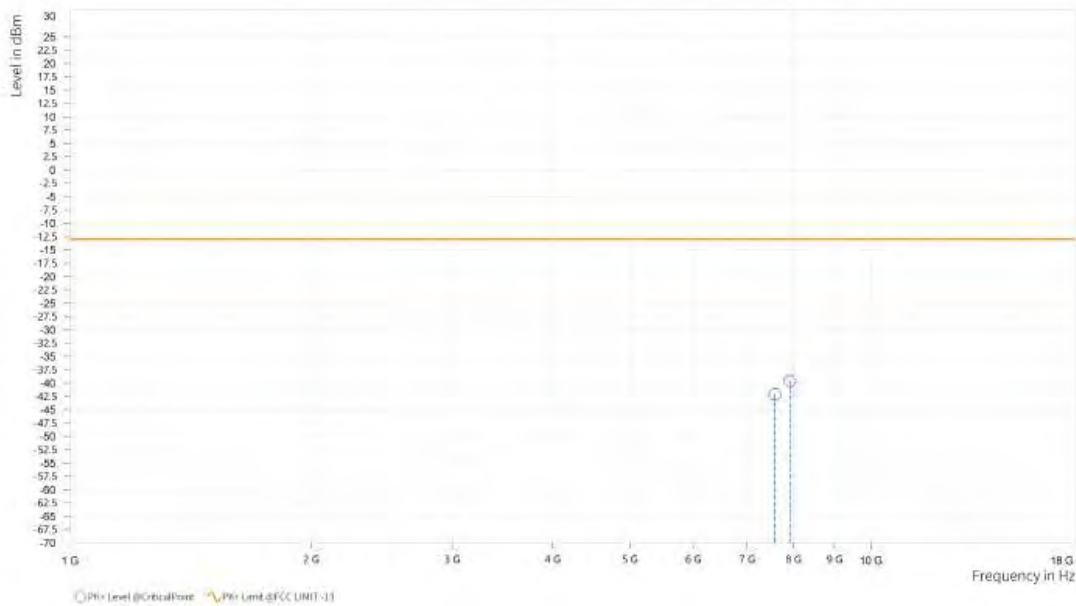




Test Report No.: W7L-P23100014RF12

MODE	TX channel 656000	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]
5	7,582.500	-42.11	-13.00	29.11	32.18	V	359	2
5	7,923.000	-39.62	-13.00	26.62	33.14	V	85.4	2



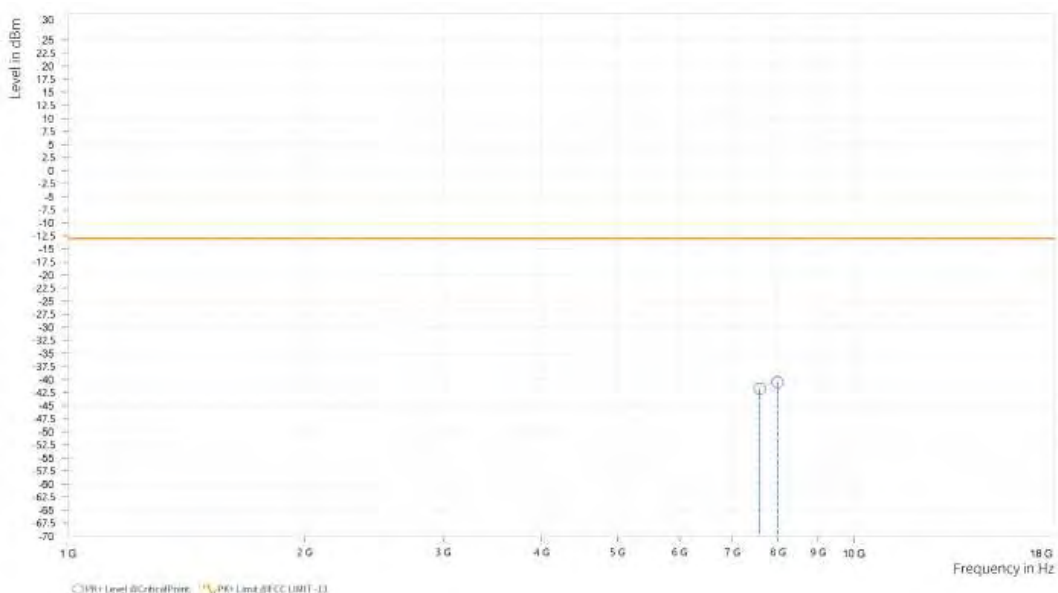


Test Report No.: W7L-P23100014RF12

CH662000

MODE	TX channel 662000	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]
5	7,581.500	-41.77	-13.00	28.77	32.16	H	359	2
5	7,991.000	-40.49	-13.00	27.49	33.10	H	1	2

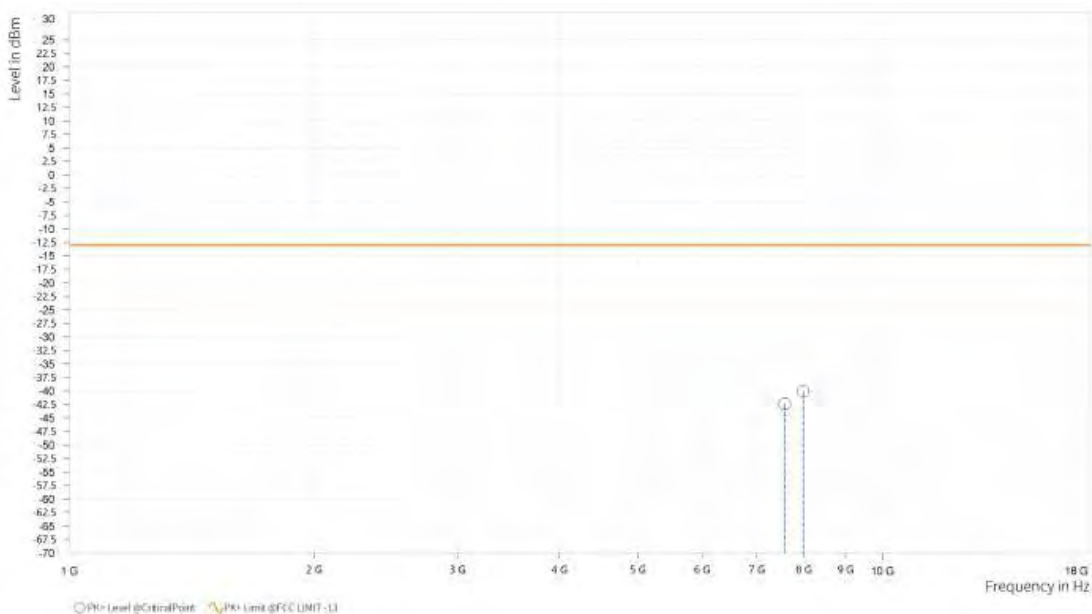




Test Report No.: W7L-P23100014RF12

MODE	TX channel 662000	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]
5	7,578.000	-42.38	-13.00	29.38	32.17	V	84.2	2
5	7,987.000	-40.09	-13.00	27.09	33.32	V	1	1





Test Report No.: W7L-P23100014RF12

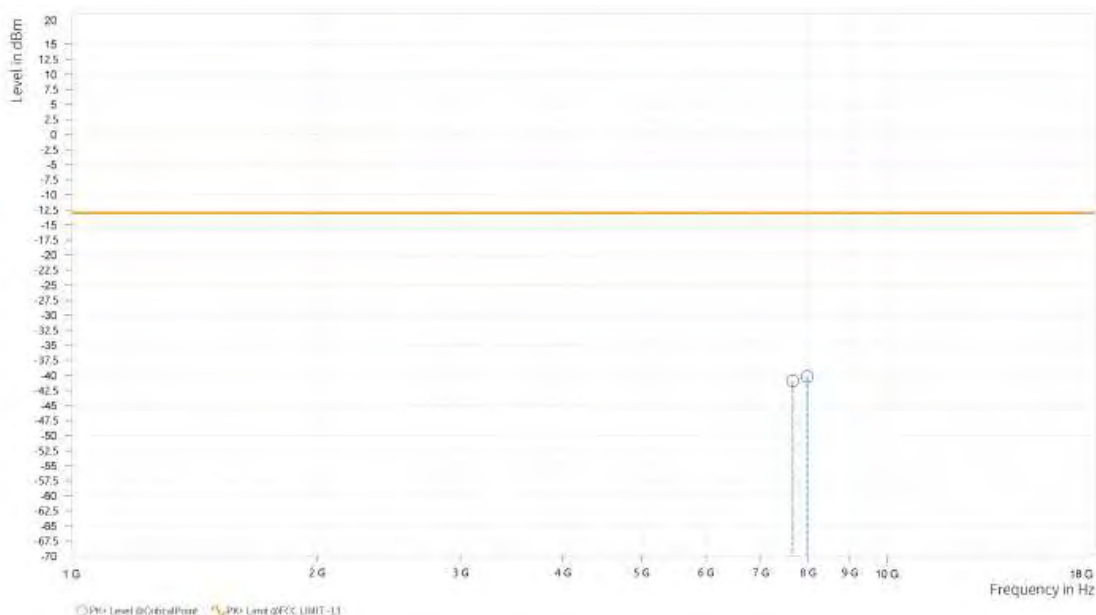
N77 (Part 270): SRS-3 (ANT 6)

Note: For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

CHANNEL BANDWIDTH: 20MHz / QPSK

MODE	TX channel 656000	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]
5	7,661.500	-40.91	-13.00	27.91	32.48	H	0.9	2
5	7,981.000	-40.18	-13.00	27.18	33.03	H	1	1

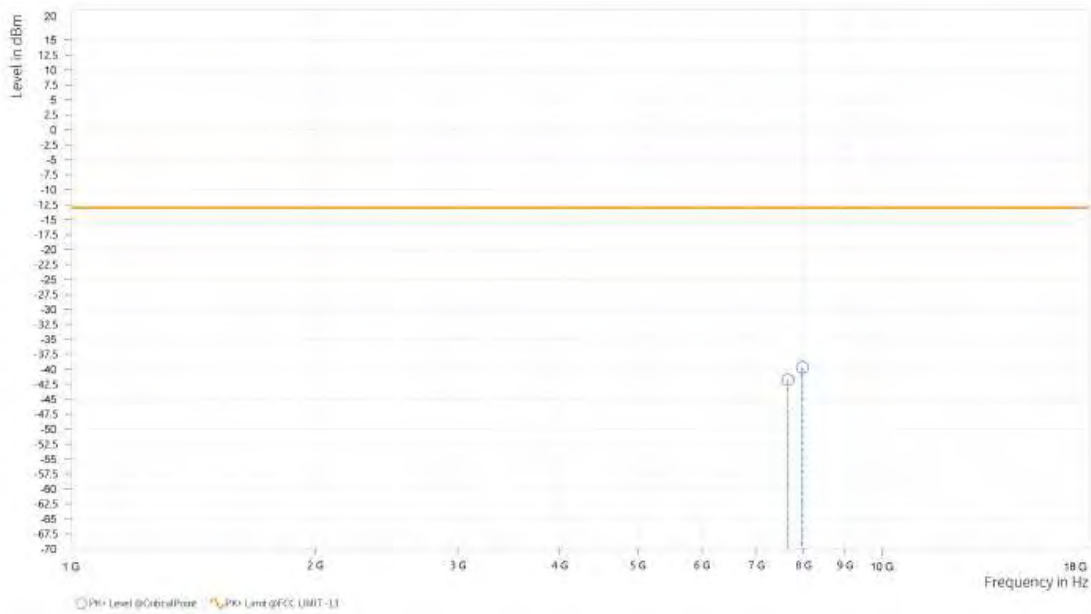




Test Report No.: W7L-P23100014RF12

MODE	TX channel 656000	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]
5	7,658.500	-41.78	-13.00	28.78	32.55	V	0.9	2
5	7,970.000	-39.71	-13.00	26.71	33.27	V	0.9	2



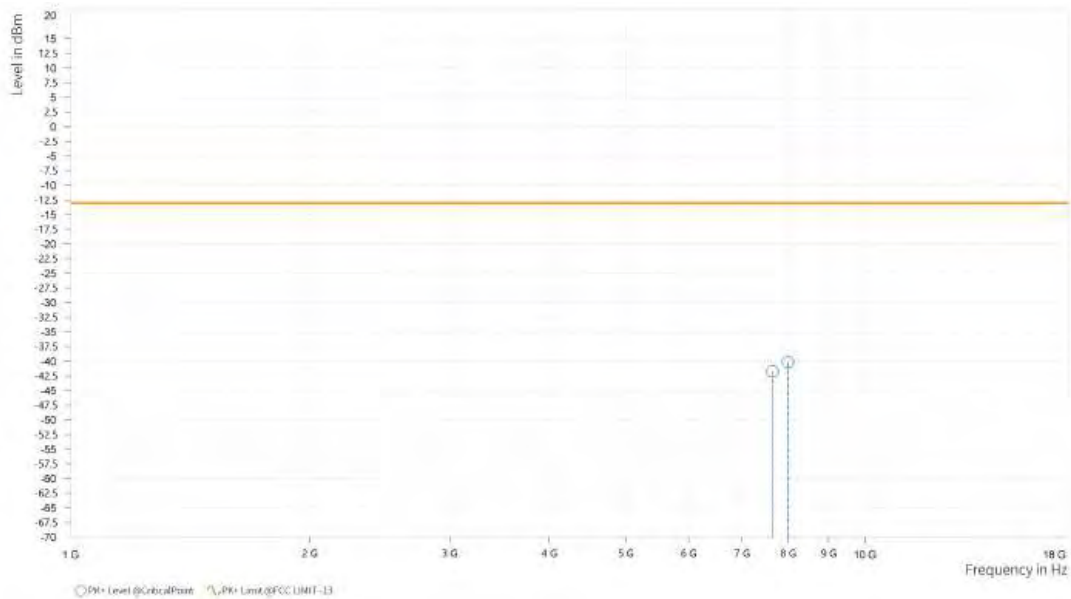


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 30MHz / QPSK

MODE	TX channel 656000	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]
5	7,649.000	-41.75	-13.00	28.75	32.41	H	277	1
5	7,995.500	-40.17	-13.00	27.17	33.13	H	86.6	2

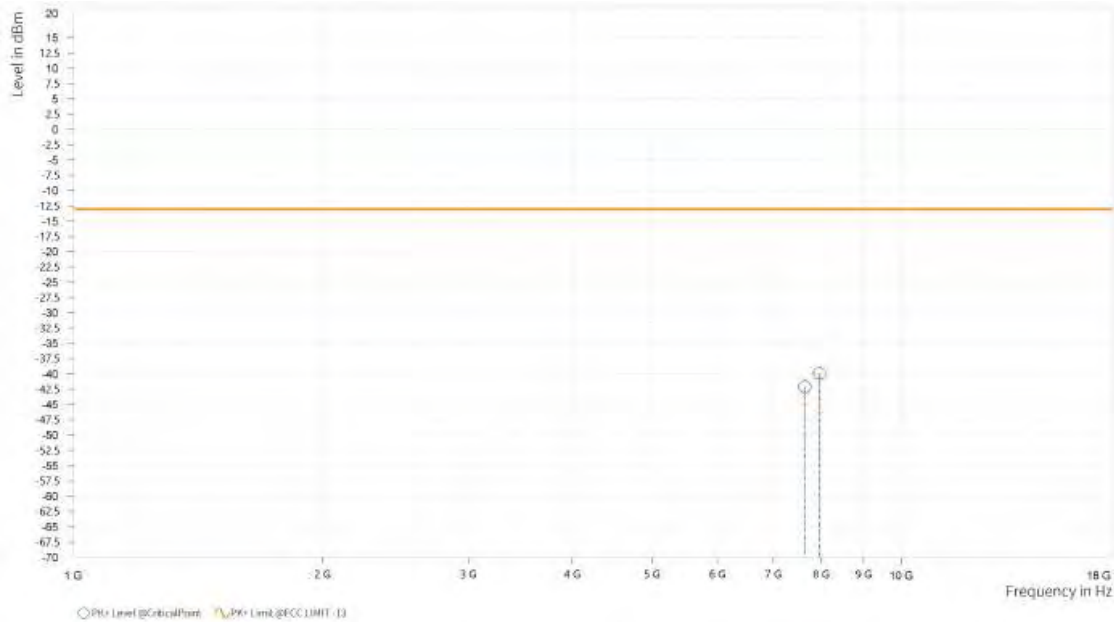




Test Report No.: W7L-P23100014RF12

MODE	TX channel 656000	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]
5	7,649.000	-42.10	-13.00	29.10	32.49	V	83	2
5	7,963.000	-39.95	-13.00	26.95	33.25	V	359	2



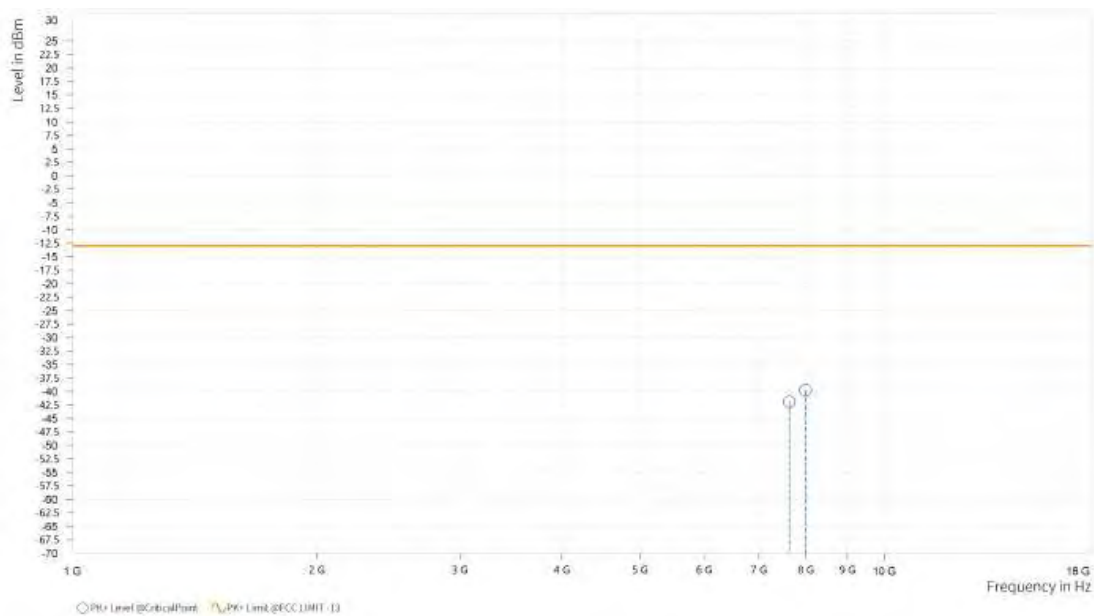


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 40MHz / QPSK

MODE	TX channel 656000	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]
5	7,637.500	-41.94	-13.00	28.94	32.34	H	359	2
5	7,997.000	-39.77	-13.00	26.77	33.14	H	1	2

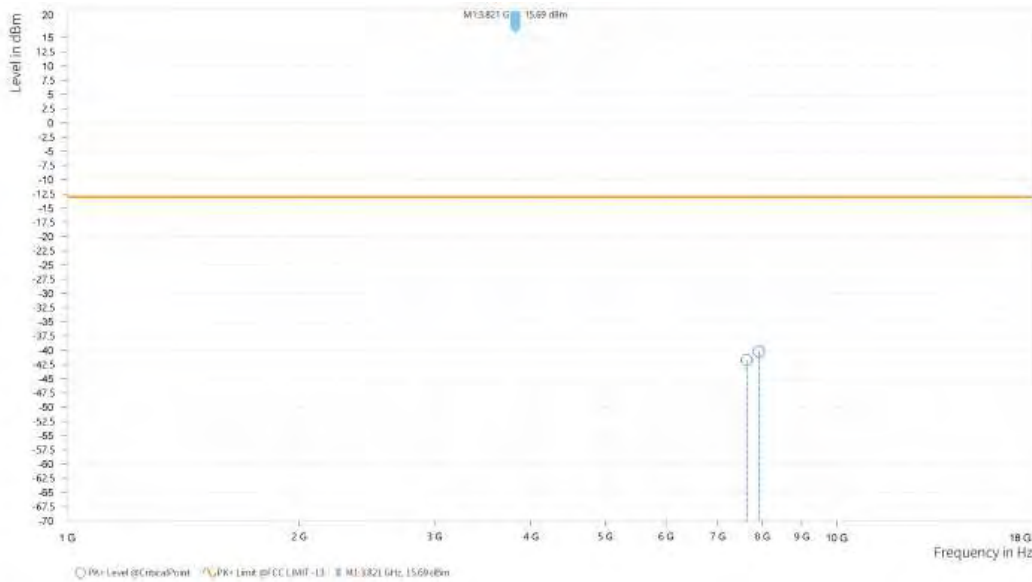




Test Report No.: W7L-P23100014RF12

MODE	TX channel 656000	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]
5	7,638.500	-41.77	-13.00	28.77	32.42	V	42.5	2
5	7,924.000	-40.24	-13.00	27.24	33.14	V	359	2



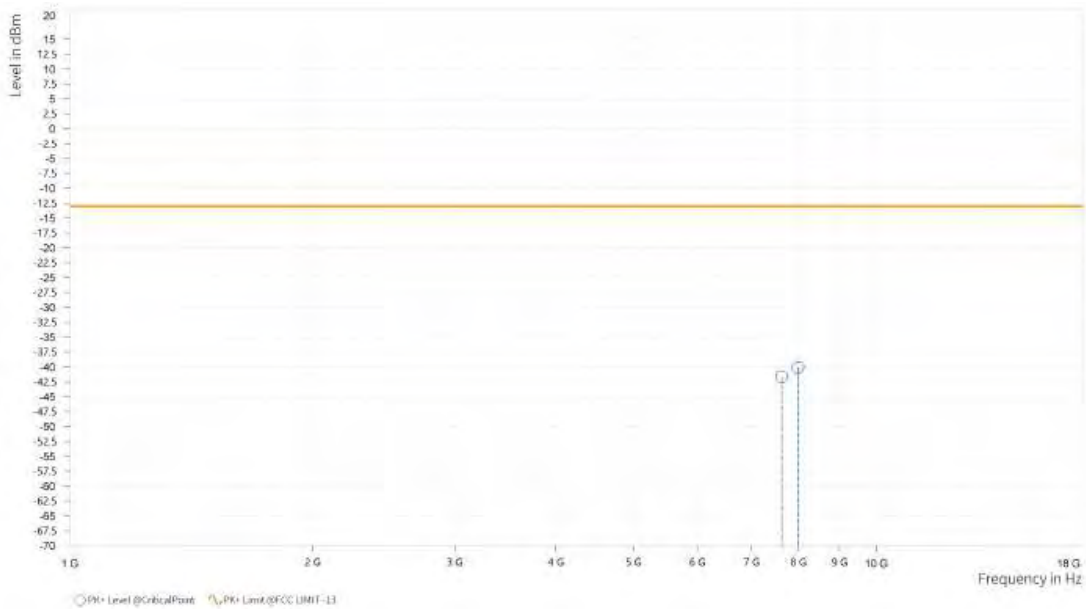


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 50MHz / QPSK

MODE	TX channel 656000	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]
5	7,631.500	-41.65	-13.00	28.65	32.31	H	359	1
5	7,994.500	-40.09	-13.00	27.09	33.12	H	1	1

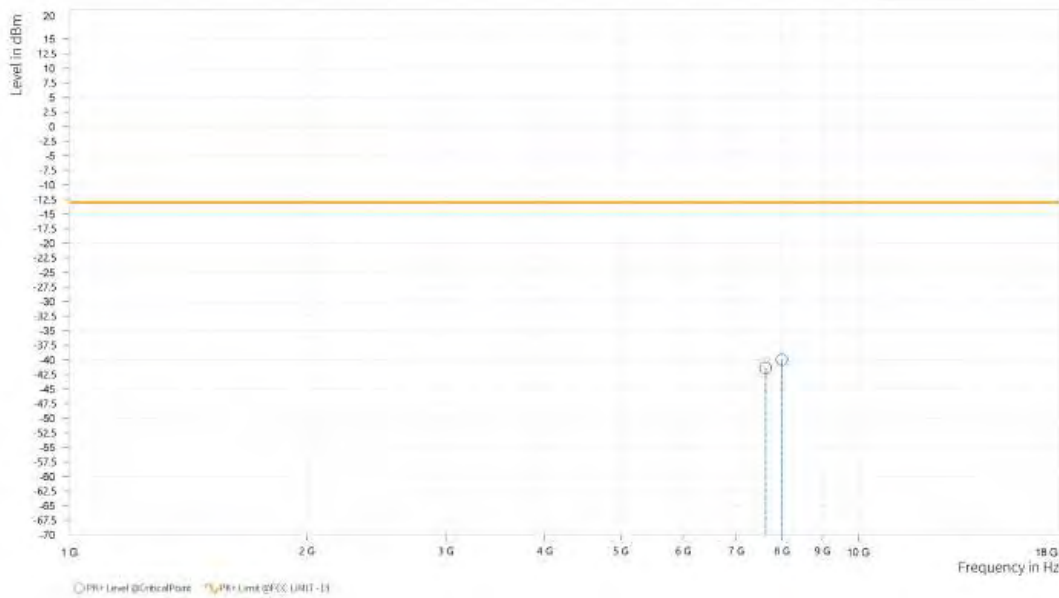




Test Report No.: W7L-P23100014RF12

MODE	TX channel 656000	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]
5	7,628.500	-41.36	-13.00	28.36	32.35	V	1	1
5	7,999.000	-39.98	-13.00	26.98	33.35	V	359	1



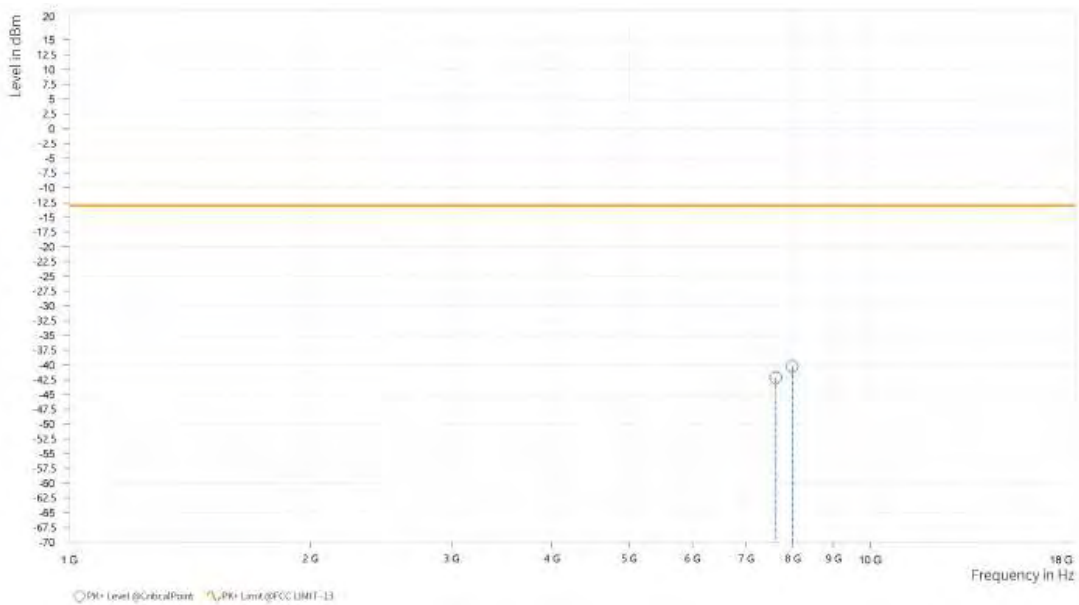


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 60MHz / QPSK

MODE	TX channel 656000	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]
5	7,621.000	-42.14	-13.00	29.14	32.25	H	359.1	1
5	7,993.000	-40.24	-13.00	27.24	33.11	H	81.8	2

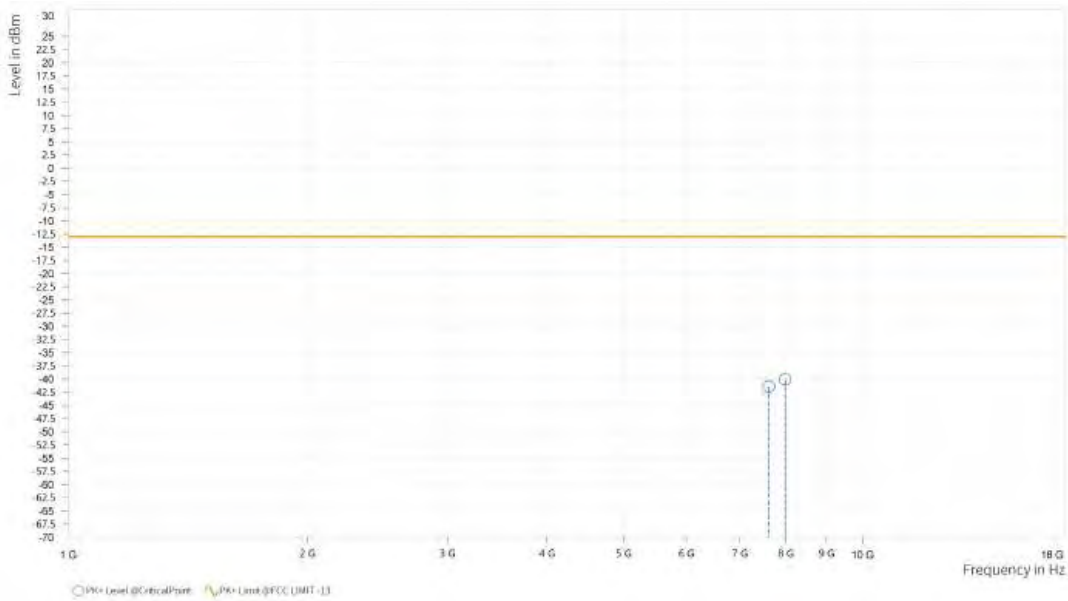




Test Report No.: W7L-P23100014RF12

MODE	TX channel 656000	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]
5	7,618.000	-41.42	-13.00	28.42	32.28	V	1	1
5	7,987.500	-40.09	-13.00	27.09	33.32	V	1	1





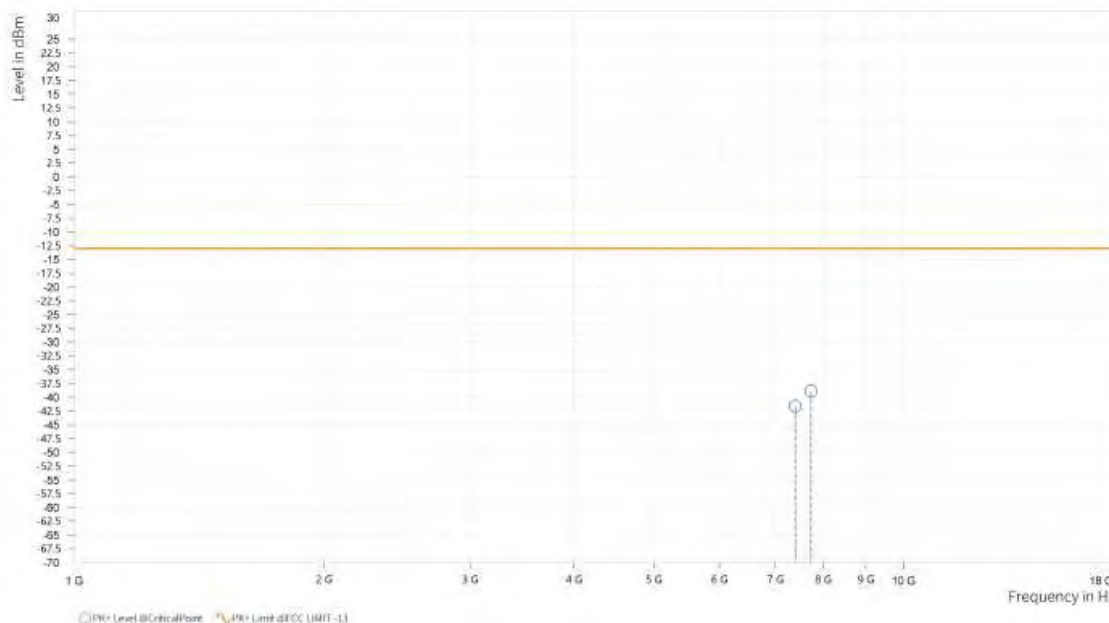
Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 80MHz / QPSK

CH 649334

MODE	TX channel 649334	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]
5	7,400.000	-41.63	-13.00	28.63	31.56	H	359	2
5	7,731.500	-38.89	-13.00	25.89	32.81	H	273.3	1

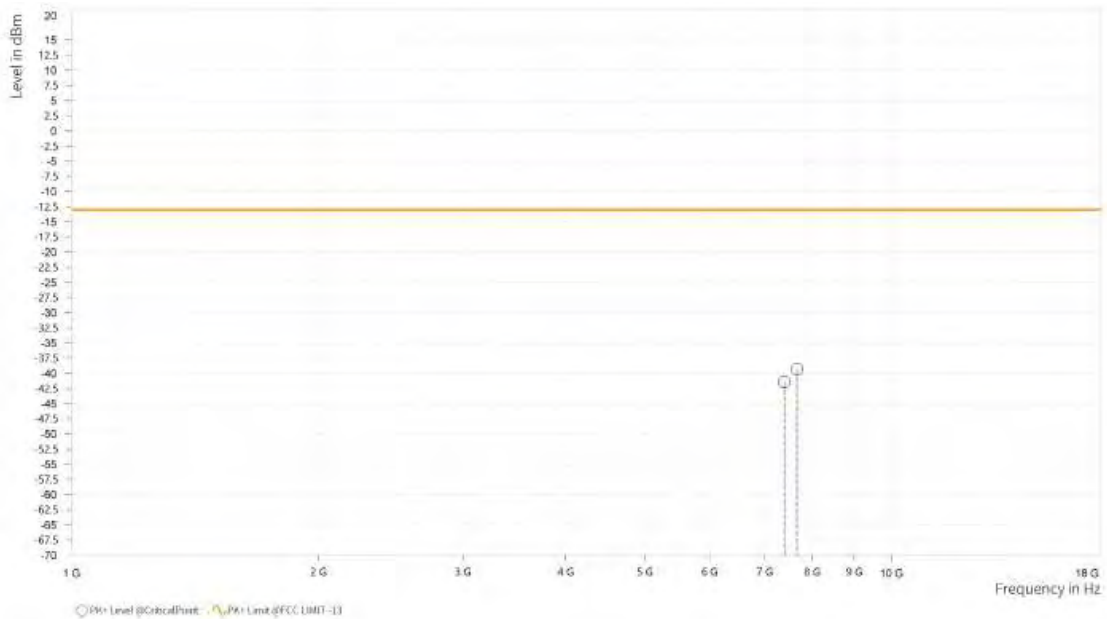




Test Report No.: W7L-P23100014RF12

MODE	TX channel 649334	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]
5	7,402.000	-41.41	-13.00	28.41	31.73	V	83	2
5	7,667.000	-39.36	-13.00	26.36	32.63	V	359	2



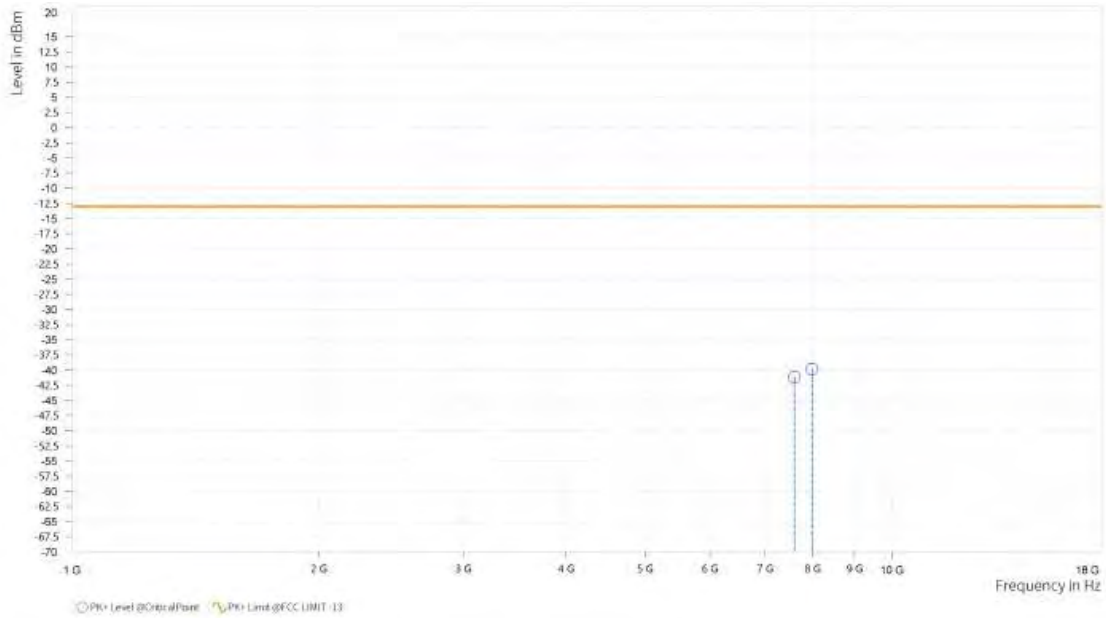


Test Report No.: W7L-P23100014RF12

CH 656000

MODE	TX channel 656000	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]
5	7,602.000	-41.16	-13.00	28.16	32.18	H	275.8	1
5	7,989.000	-39.86	-13.00	26.86	33.09	H	359	1

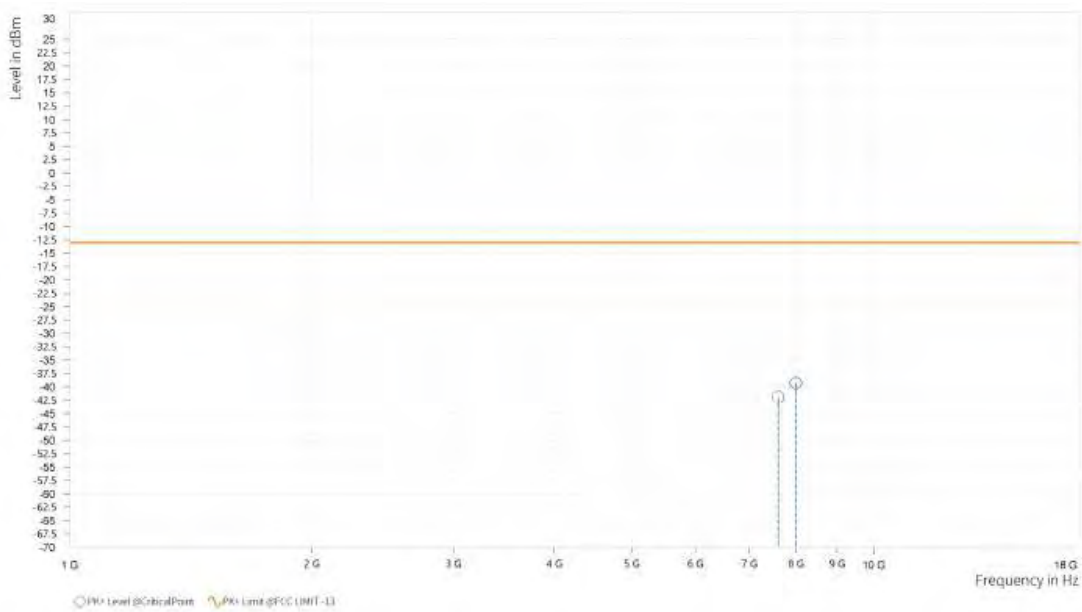




Test Report No.: W7L-P23100014RF12

MODE	TX channel 656000	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]
5	7,601.000	-41.91	-13.00	28.91	32.22	V	1	1
5	7,999.500	-39.28	-13.00	26.28	33.35	V	277	1



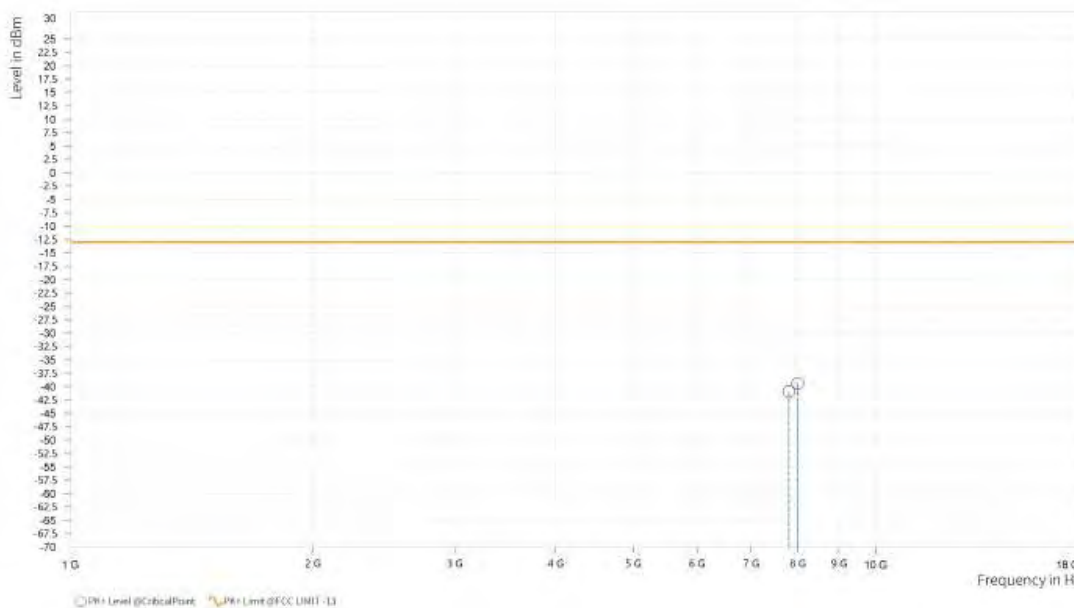


Test Report No.: W7L-P23100014RF12

CH 662666

MODE	TX channel 662666	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]
5	7,801.500	-40.96	-13.00	27.96	32.91	H	359.1	1
5	7,998.500	-39.40	-13.00	26.40	33.15	H	0.9	2

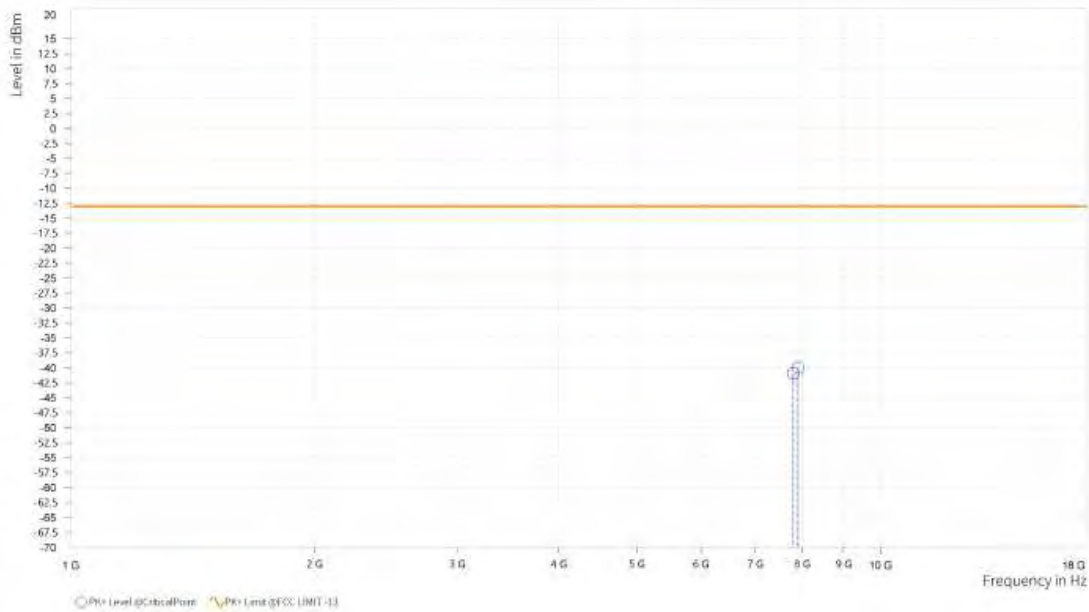




Test Report No.: W7L-P23100014RF12

MODE	TX channel 662666	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]
5	7,802.500	-40.93	-13.00	27.93	33.06	V	1	2
5	7,904.500	-39.99	-13.00	26.99	33.08	V	1	2



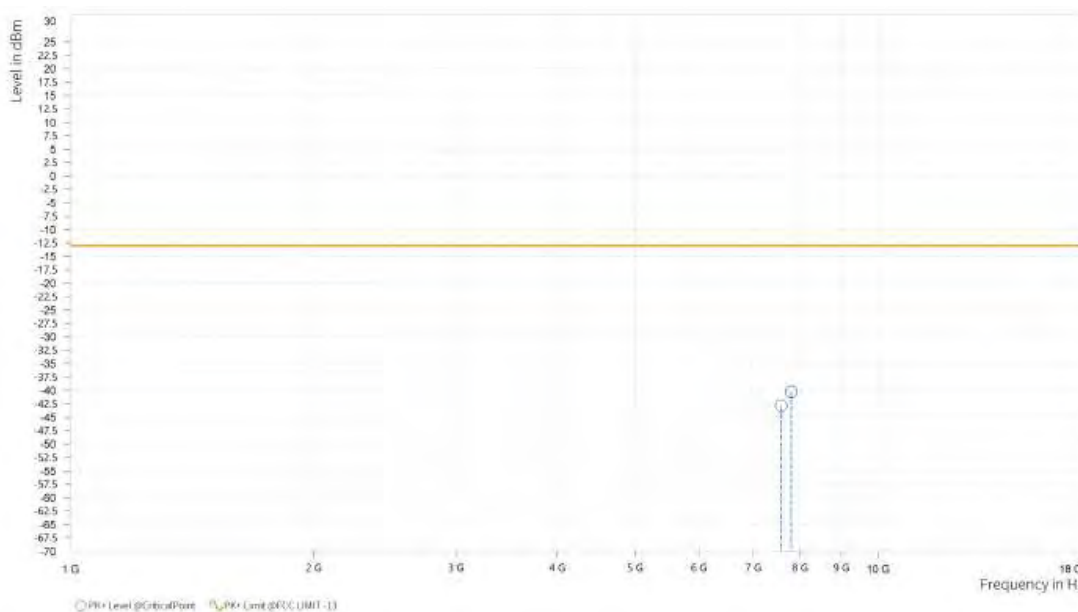


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 100MHz / QPSK

MODE	TX channel 656000	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]
5	7,583.000	-42.86	-13.00	29.86	32.16	H	1	2
5	7,804.000	-40.27	-13.00	27.27	32.92	H	84.2	2

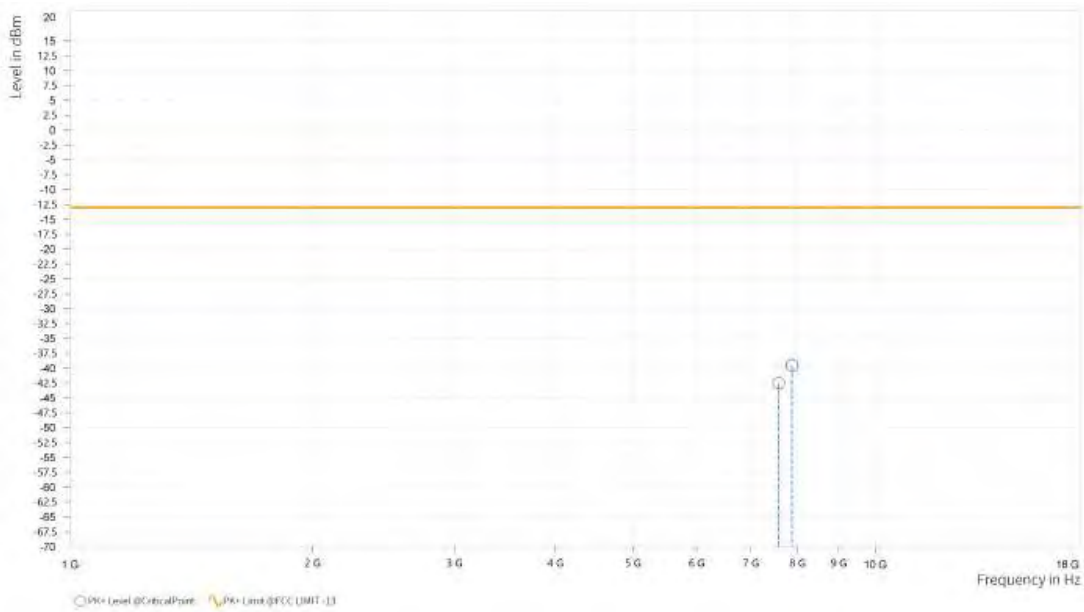




Test Report No.: W7L-P23100014RF12

MODE	TX channel 656000	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]
5	7,582.000	-42.53	-13.00	29.53	32.18	V	1	1
5	7,878.500	-39.52	-13.00	26.52	33.05	V	84.2	2





Test Report No.: W7L-P23100014RF12

N77 (Part 270): SRS-4 (ANT 5)

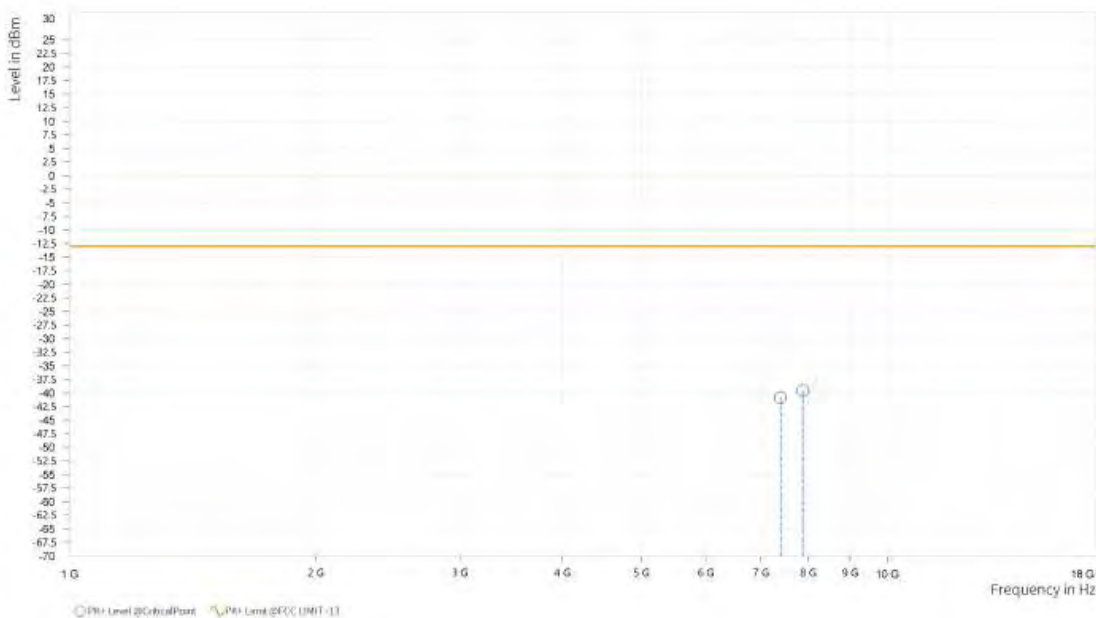
Note: For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

CHANNEL BANDWIDTH: 20MHz / QPSK

CH 647334

MODE	TX channel 647334	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]
5	7,401.500	-40.82	-13.00	27.82	31.56	H	1	1
5	7,883.500	-39.56	-13.00	26.56	33.01	H	1	1

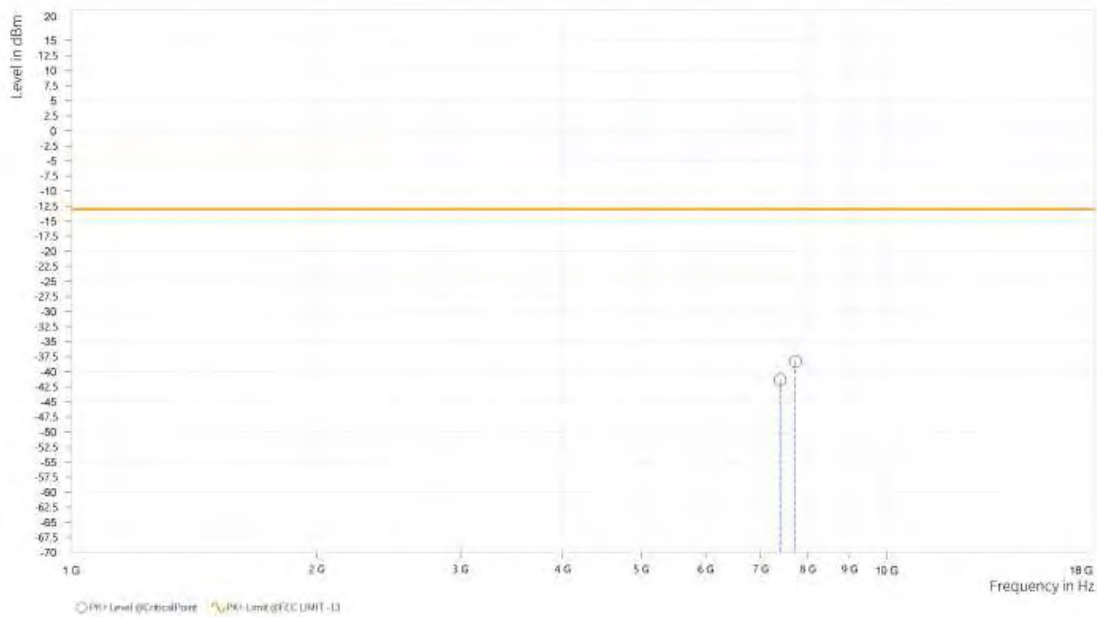




Test Report No.: W7L-P23100014RF12

MODE	TX channel 647334	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]
5	7,403.500	-41.31	-13.00	28.31	31.73	V	359	2
5	7,726.500	-38.29	-13.00	25.29	33.00	V	284.2	1



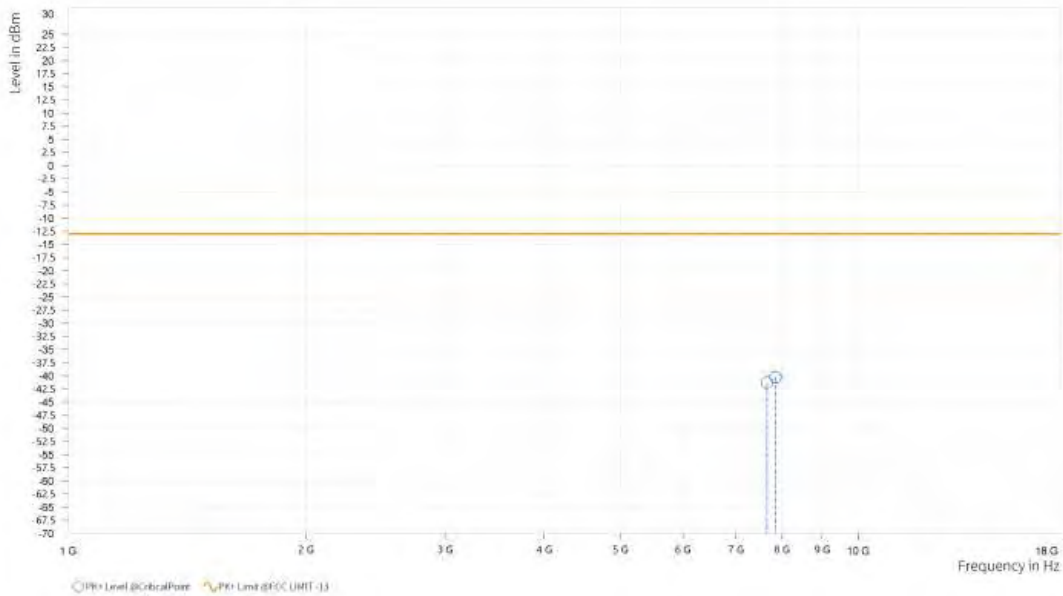


Test Report No.: W7L-P23100014RF12

CH 656000

MODE	TX channel 656000	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]
5	7,660.000	-41.34	-13.00	28.34	32.47	H	359	2
5	7,858.000	-40.24	-13.00	27.24	32.98	H	83	2

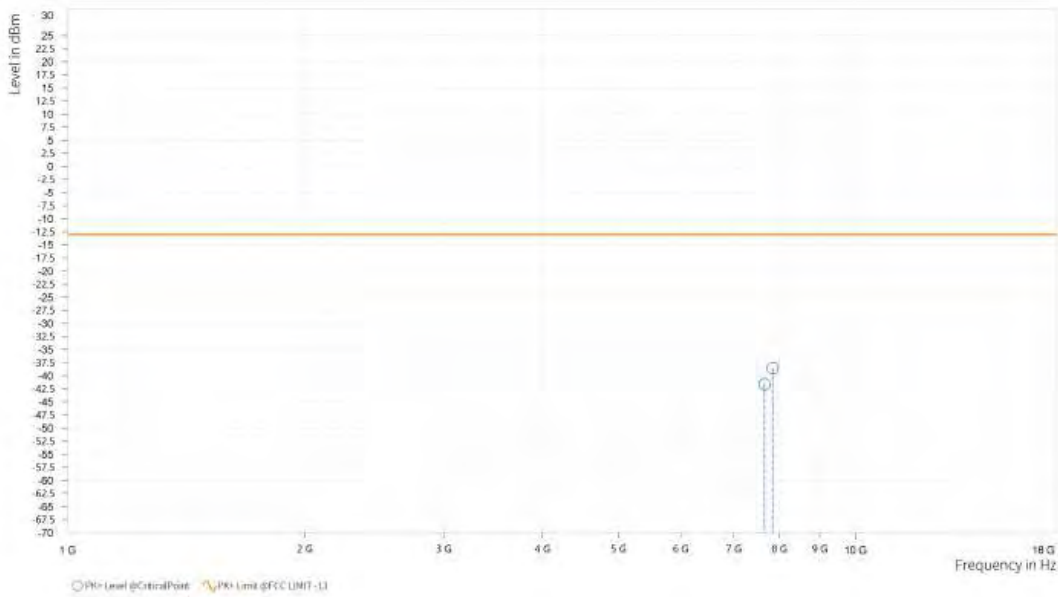




Test Report No.: W7L-P23100014RF12

MODE	TX channel 656000	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]
5	7,660.500	-41.64	-13.00	28.64	32.56	V	280.5	1
5	7,846.500	-38.55	-13.00	25.55	33.06	V	80.6	2



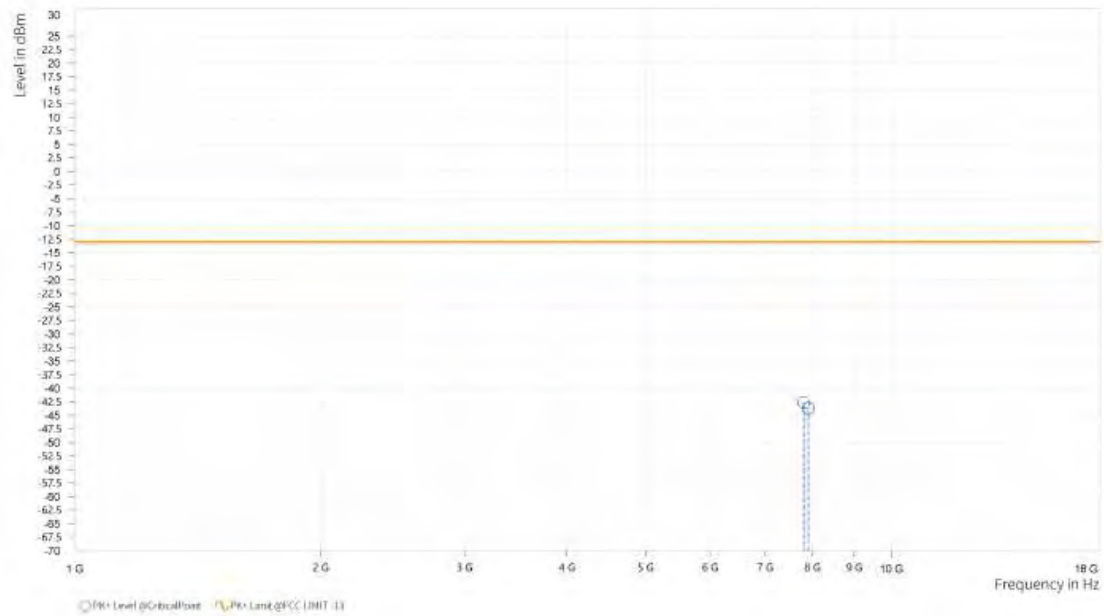


Test Report No.: W7L-P23100014RF12

CH 664666

MODE	TX channel 664666	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]
5	7,808.500	-42.66	-13.00	29.66	32.93	H	305.5	1
5	7,912.000	-43.67	-13.00	30.67	33.01	H	305.5	1

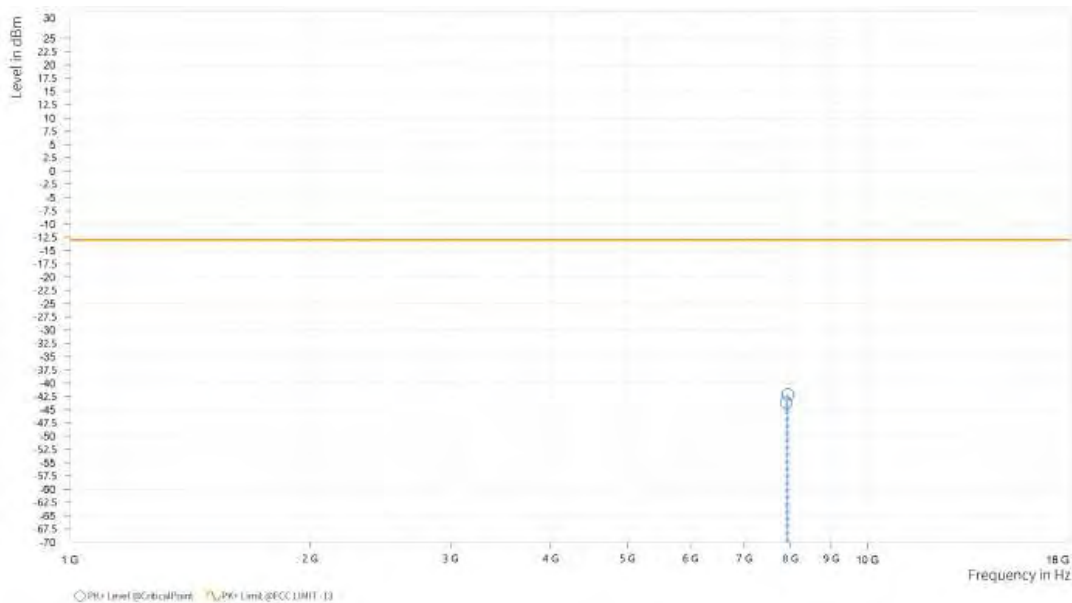




Test Report No.: W7L-P23100014RF12

MODE	TX channel 664666	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]
5	7,910.500	-43.67	-13.00	30.67	33.10	V	1	1
5	7,944.500	-42.18	-13.00	29.18	33.20	V	93.8	2



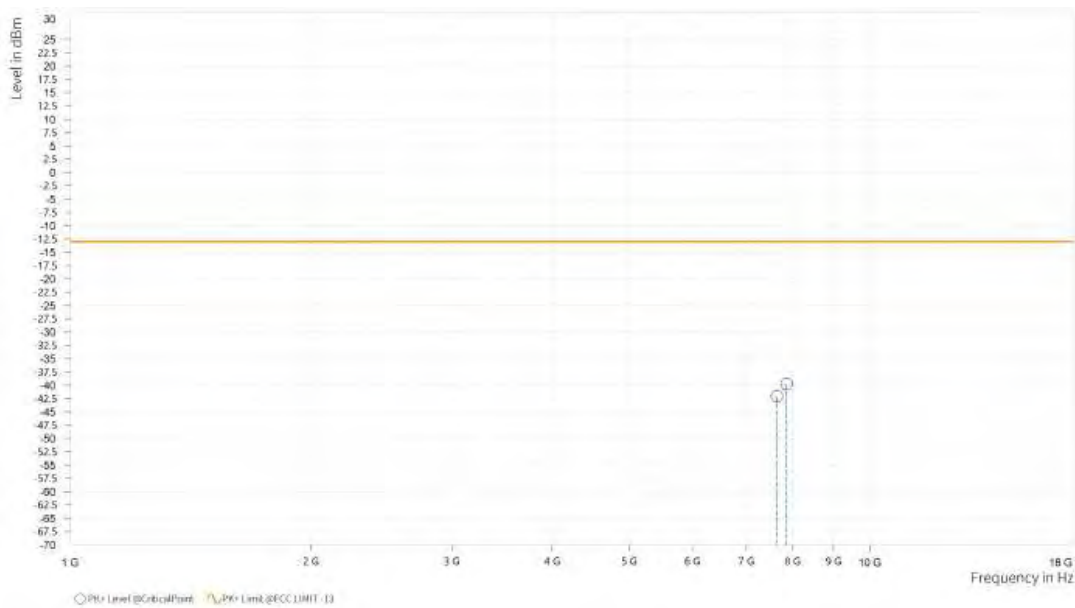


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 30MHz / QPSK

MODE	TX channel 656000	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]
5	7,650.500	-42.04	-13.00	29.04	32.41	H	1	1
5	7,868.000	-39.74	-13.00	26.74	32.99	H	359	1

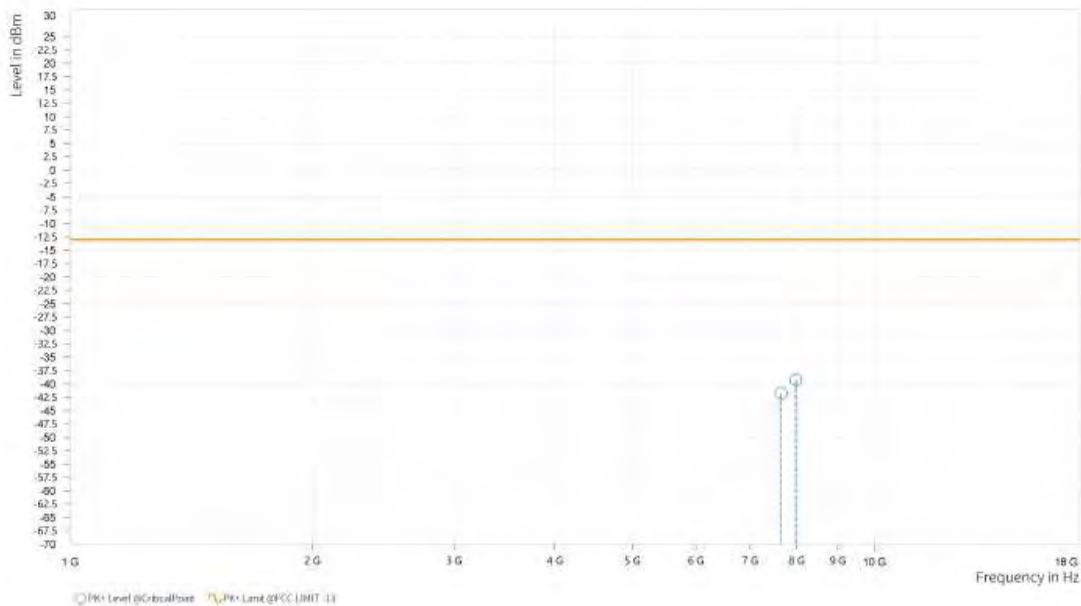




Test Report No.: W7L-P23100014RF12

MODE	TX channel 656000	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]
5	7,651.000	-41.71	-13.00	28.71	32.50	V	359	2
5	7,983.500	-39.27	-13.00	26.27	33.31	V	0.9	2



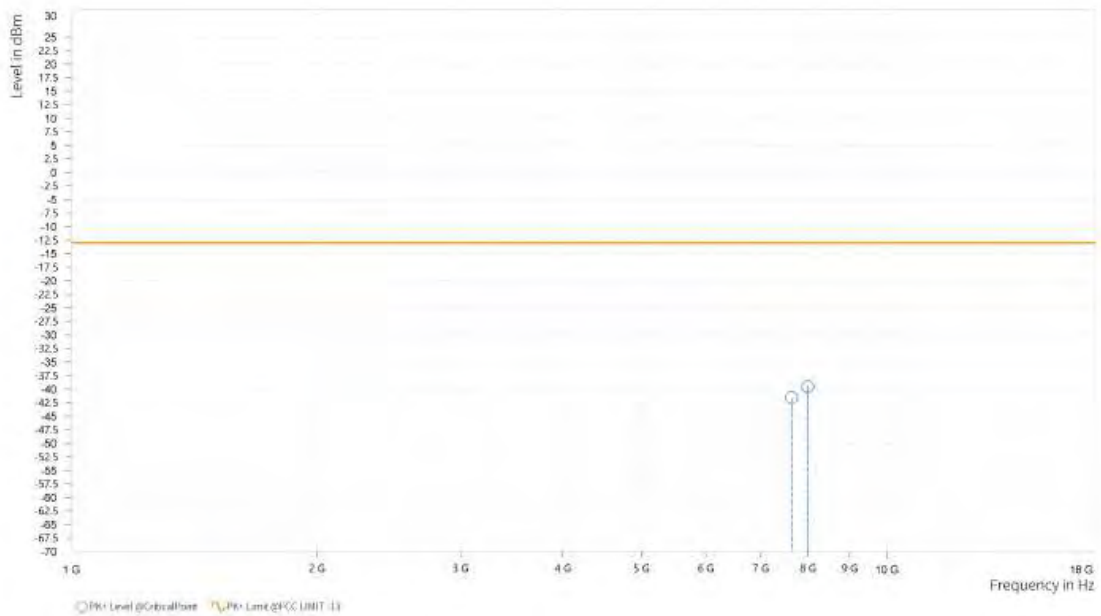


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 40MHz / QPSK

MODE	TX channel 656000	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]
5	7,643.500	-41.53	-13.00	28.53	32.37	H	359	1
5	7,999.000	-39.52	-13.00	26.52	33.15	H	1	2

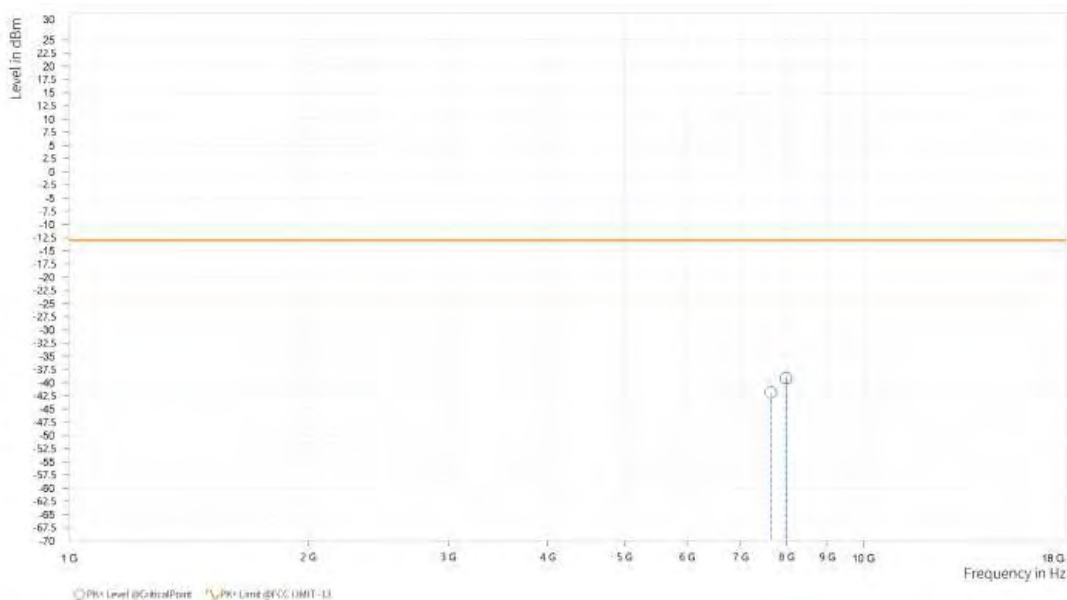




Test Report No.: W7L-P23100014RF12

MODE	TX channel 656000	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]
5	7,641.000	-41.87	-13.00	28.87	32.43	V	1	2
5	7,986.500	-39.16	-13.00	26.16	33.32	V	277	1



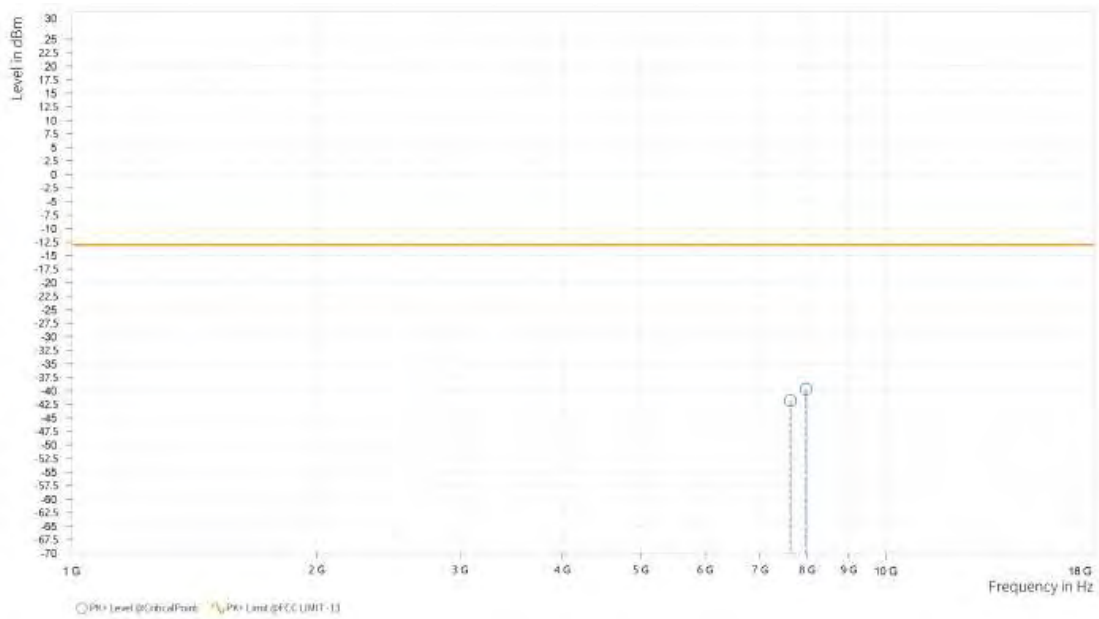


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 50MHz / QPSK

MODE	TX channel 656000	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]
5	7,631.500	-41.80	-13.00	28.80	32.31	H	80.6	2
5	7,975.500	-39.67	-13.00	26.67	32.99	H	80.6	2

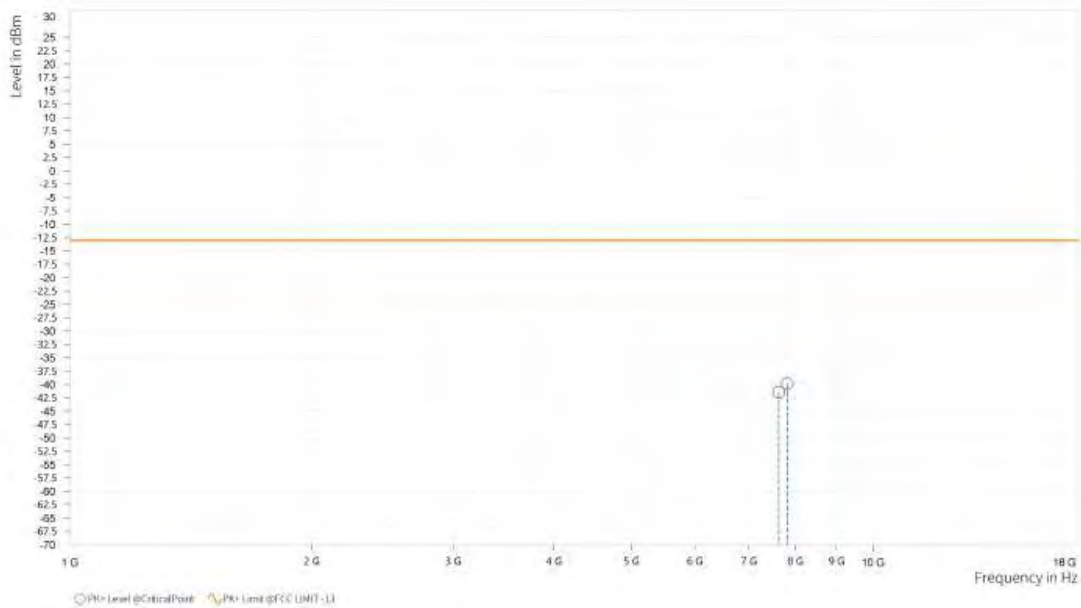




Test Report No.: W7L-P23100014RF12

MODE	TX channel 656000	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]
5	7,630.000	-41.47	-13.00	28.47	32.36	V	18.5	2
5	7,820.500	-39.87	-13.00	26.87	33.07	V	1	1



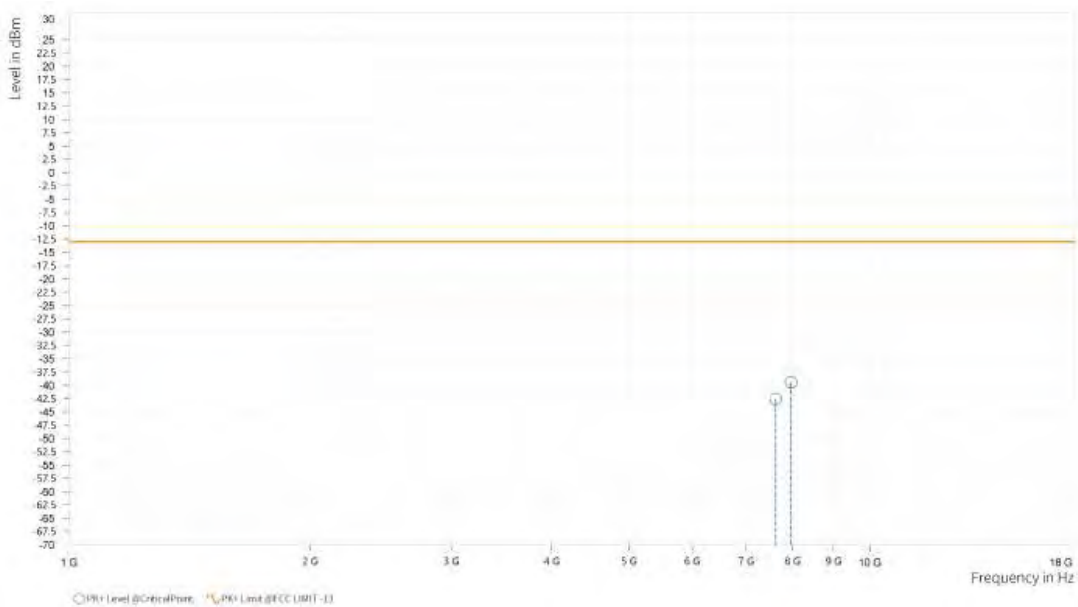


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 60MHz / QPSK

MODE	TX channel 656000	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]
5	7,622.000	-42.56	-13.00	29.56	32.25	H	359	1
5	7,966.000	-39.45	-13.00	26.45	32.97	H	279.4	1

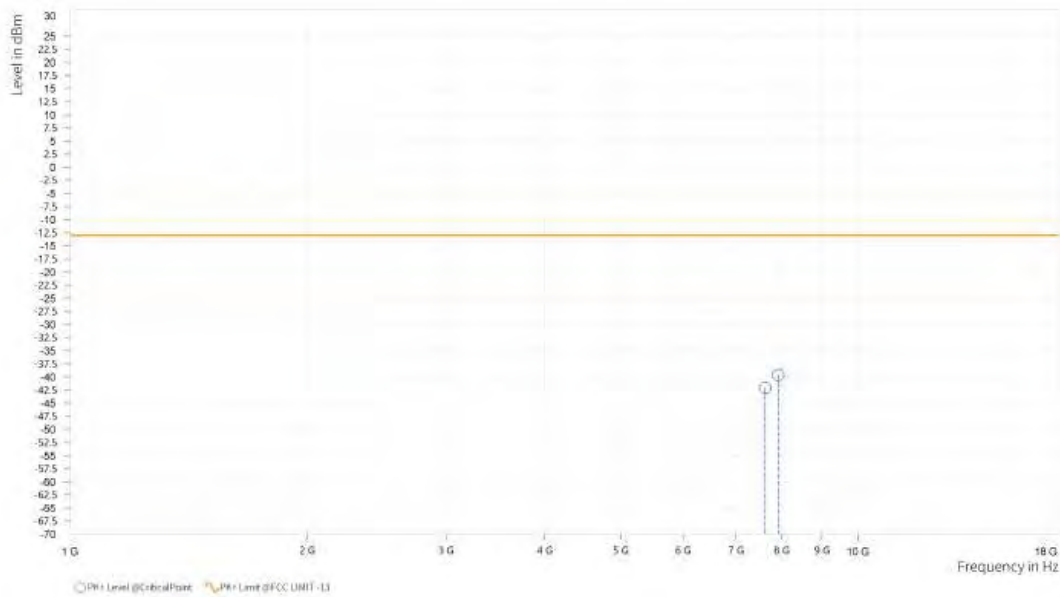




Test Report No.: W7L-P23100014RF12

MODE	TX channel 656000	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]
5	7,621.500	-42.09	-13.00	29.09	32.30	V	1	1
5	7,922.500	-39.64	-13.00	26.64	33.13	V	79.4	2



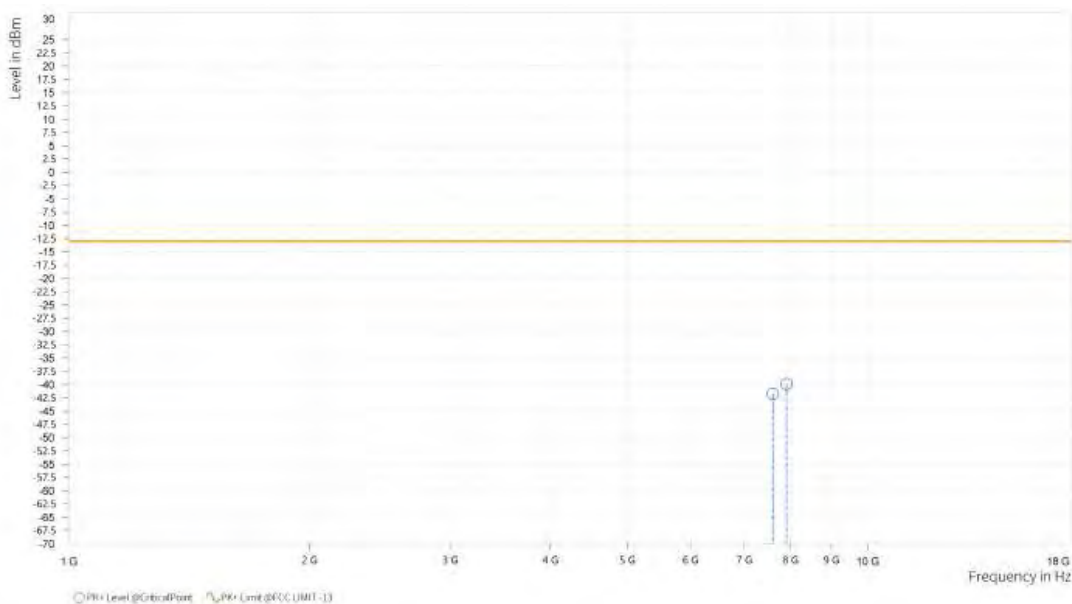


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 80MHz / QPSK

MODE	TX channel 656000	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]
5	7,602.500	-41.76	-13.00	28.76	32.18	H	279.4	1
5	7,913.000	-39.92	-13.00	26.92	33.01	H	359	1

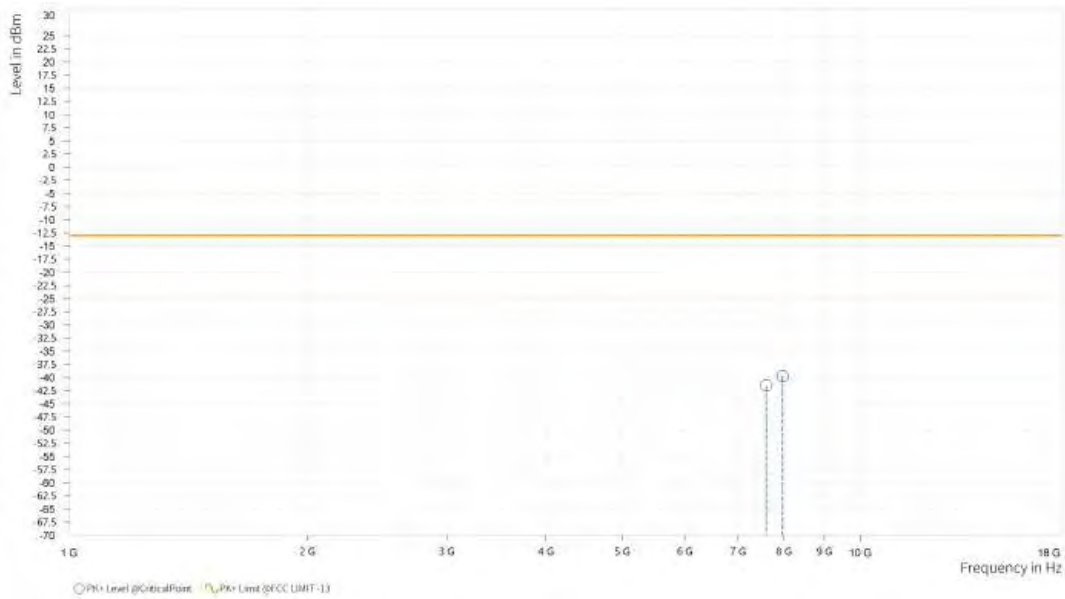




Test Report No.: W7L-P23100014RF12

MODE	TX channel 656000	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]
5	7,602.500	-41.49	-13.00	28.49	32.22	V	359	2
5	7,972.000	-39.75	-13.00	26.75	33.28	V	79.5	2



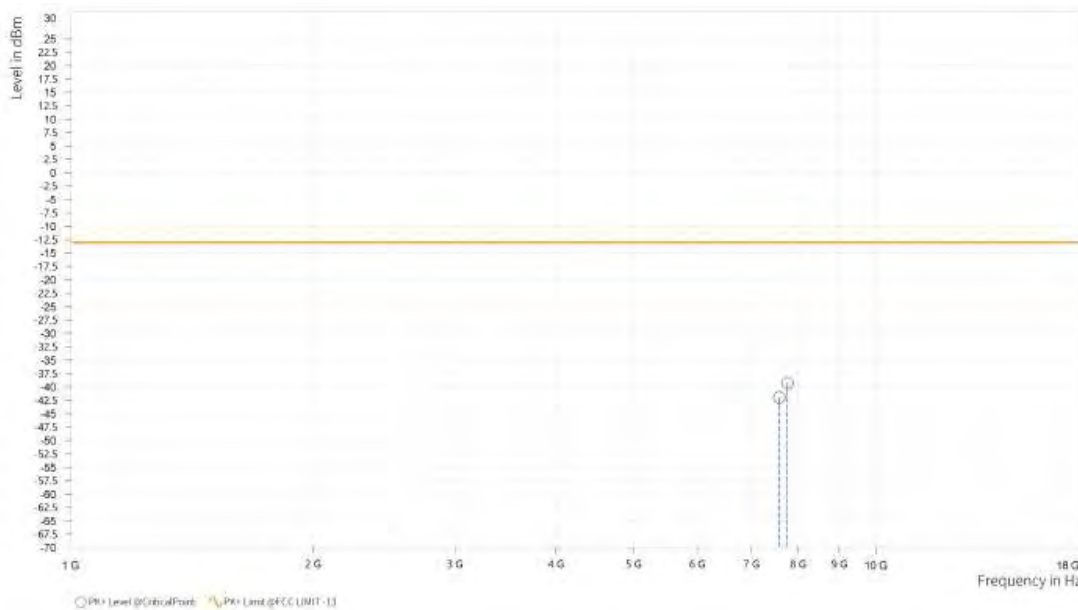


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 100MHz / QPSK

MODE	TX channel 656000	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]
5	7,582.000	-41.96	-13.00	28.96	32.16	H	78.3	2
5	7,761.500	-39.29	-13.00	26.29	32.83	H	359	2

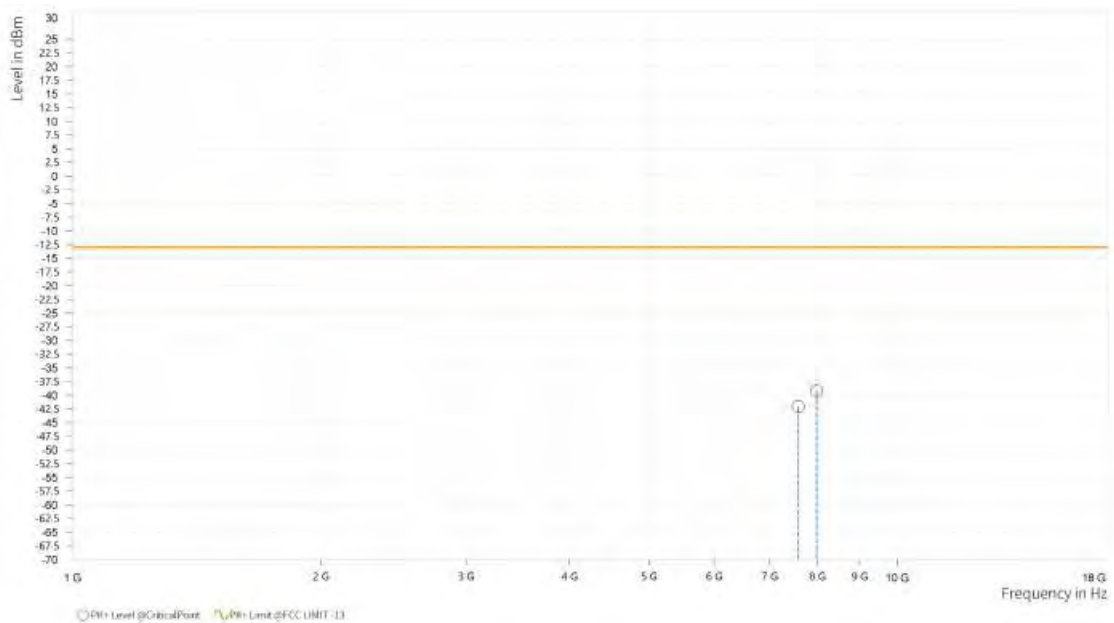




Test Report No.: W7L-P23100014RF12

MODE	TX channel 656000	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]
5	7,582.500	-42.07	-13.00	29.07	32.18	V	359	2
5	7,982.500	-39.23	-13.00	26.23	33.31	V	1	1





Test Report No.: W7L-P23100014RF12

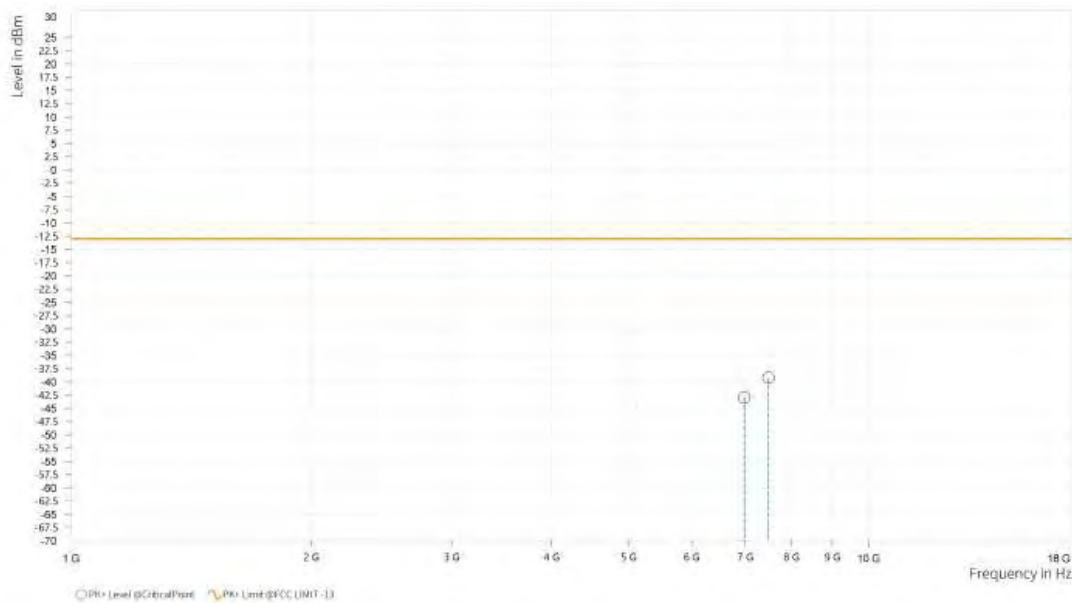
N78 (Part 27Q): SRS-1 (ANT 7)

Note: For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

CHANNEL BANDWIDTH: 20MHz / QPSK

MODE	TX channel 633334	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]
5	6,982.000	-42.99	-13.00	29.99	30.22	H	359	2
5	7,485.500	-39.20	-13.00	26.20	31.76	H	1	2

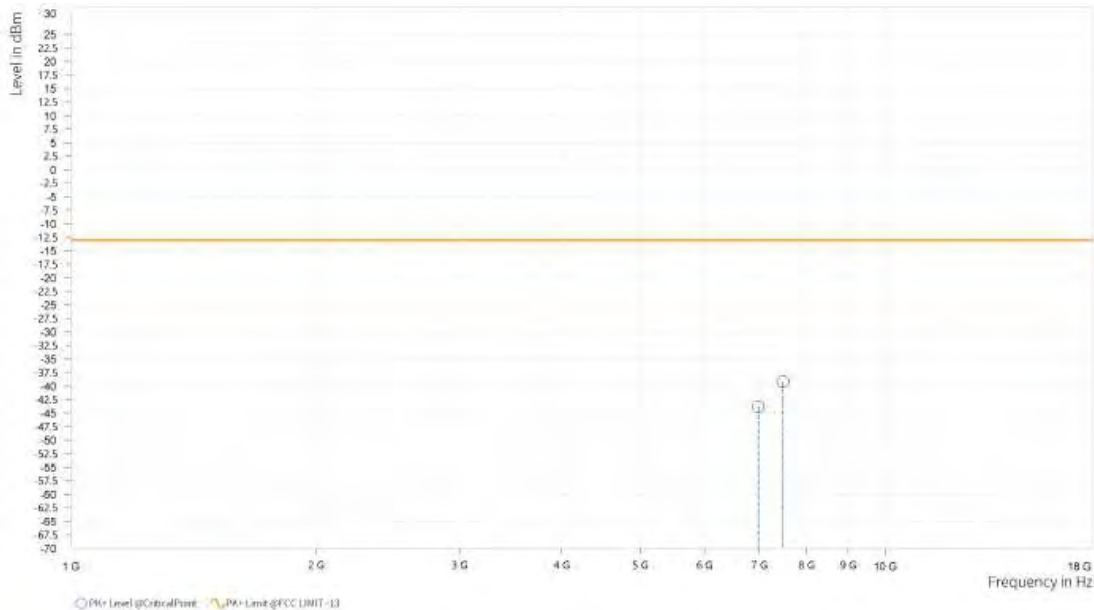




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,982.500	-43.83	-13.00	30.83	30.34	V	359	1
5	7,486.500	-39.15	-13.00	26.15	31.83	V	281.8	1



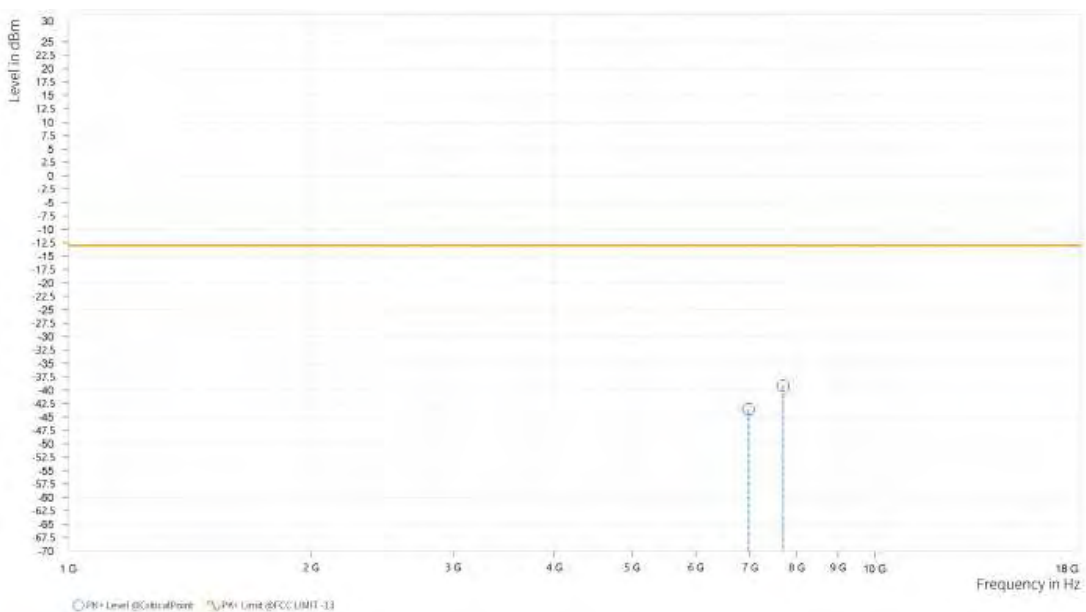


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 30MHz / QPSK

MODE	TX channel 633334	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]
5	6,972.000	-43.55	-13.00	30.55	30.19	H	359	2
5	7,698.500	-39.20	-13.00	26.20	32.73	H	359	1

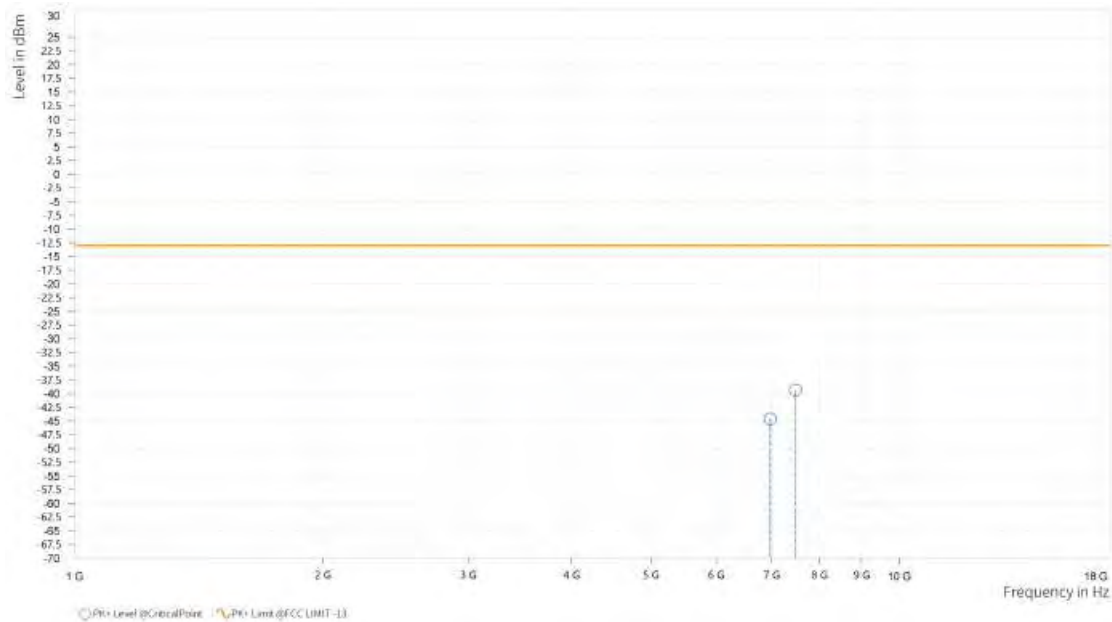




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,972.000	-44.59	-13.00	31.59	30.33	V	281.8	1
5	7,480.500	-39.35	-13.00	26.35	31.81	V	359.1	1



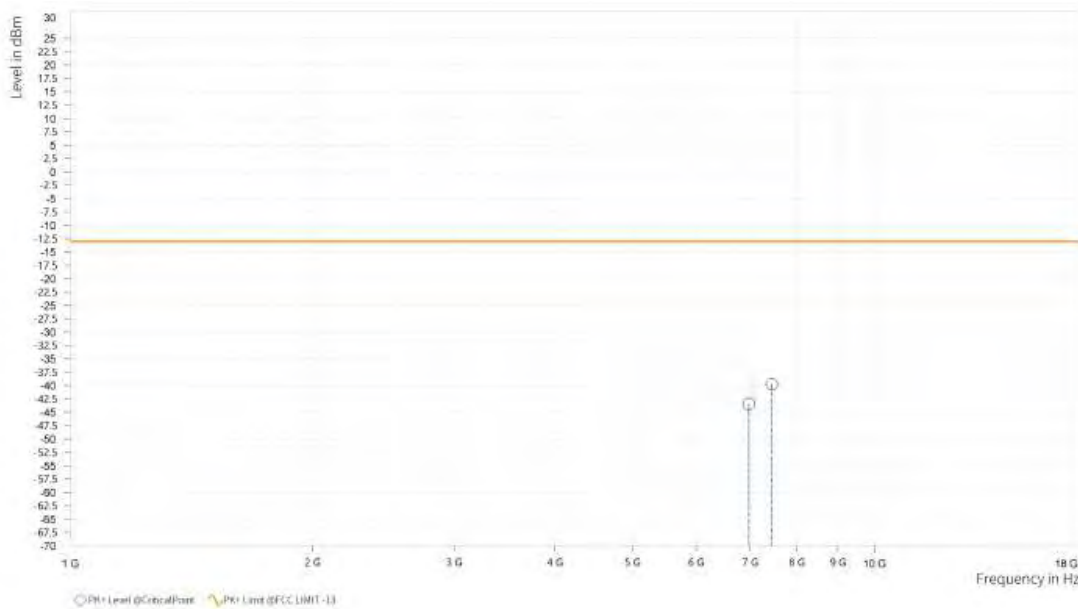


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 40MHz / QPSK

MODE	TX channel 633334	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]
5	6,972.000	-43.42	-13.00	30.42	30.19	H	359	2
5	7,447.000	-39.76	-13.00	26.76	31.61	H	1	1

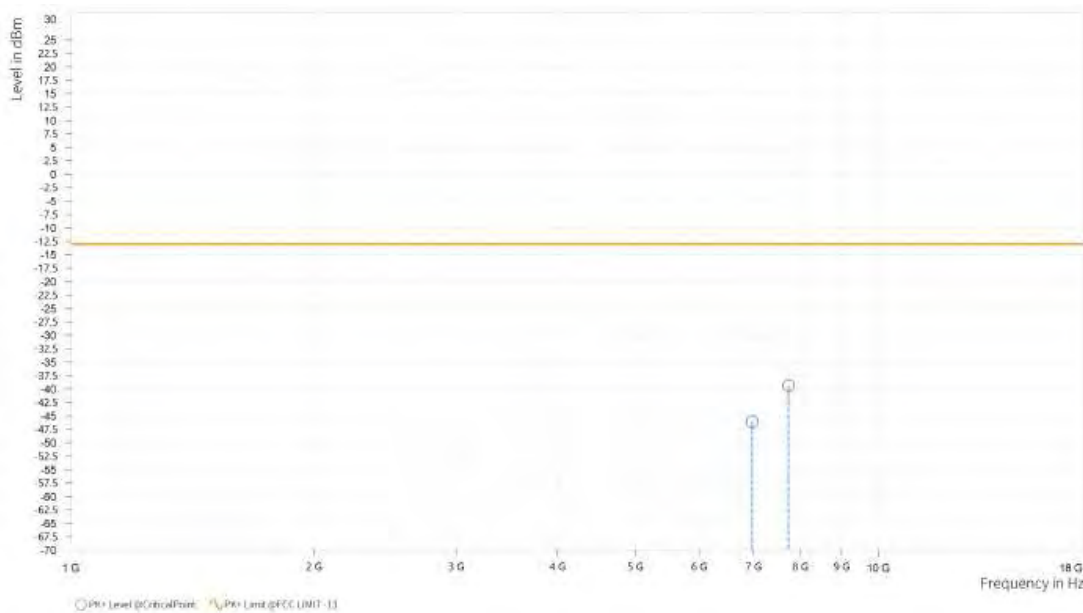




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,973.000	-46.08	-13.00	33.08	30.33	V	322.2	1
5	7,733.500	-39.33	-13.00	26.33	33.02	V	1	1



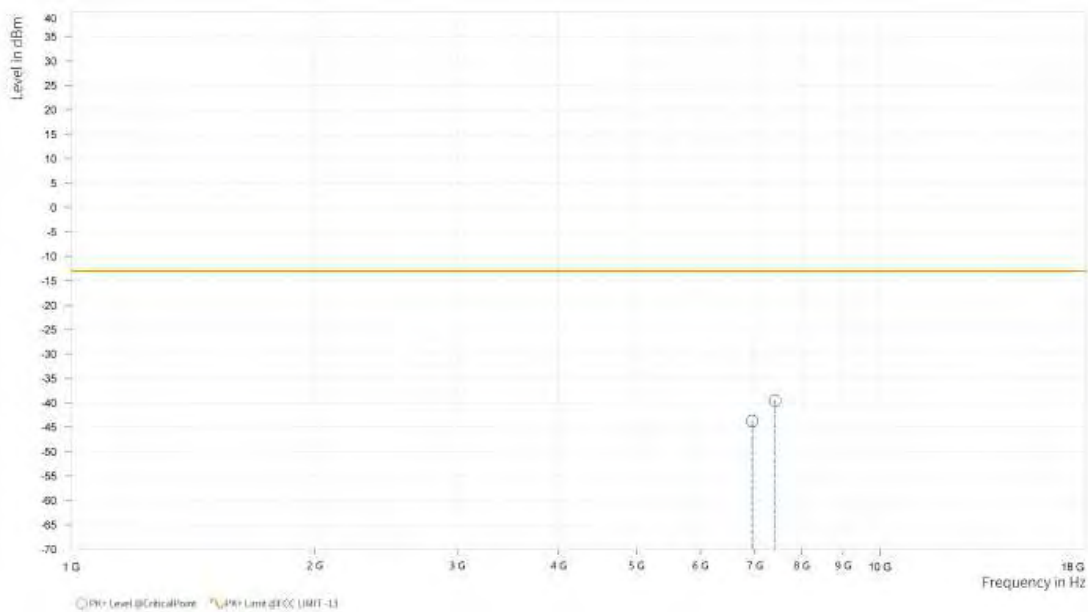


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 50MHz / QPSK

MODE	TX channel 633334	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]
5	6,952.500	-43.74	-13.00	30.74	30.23	H	321.1	1
5	7,420.500	-39.55	-13.00	26.55	31.58	H	79.5	2

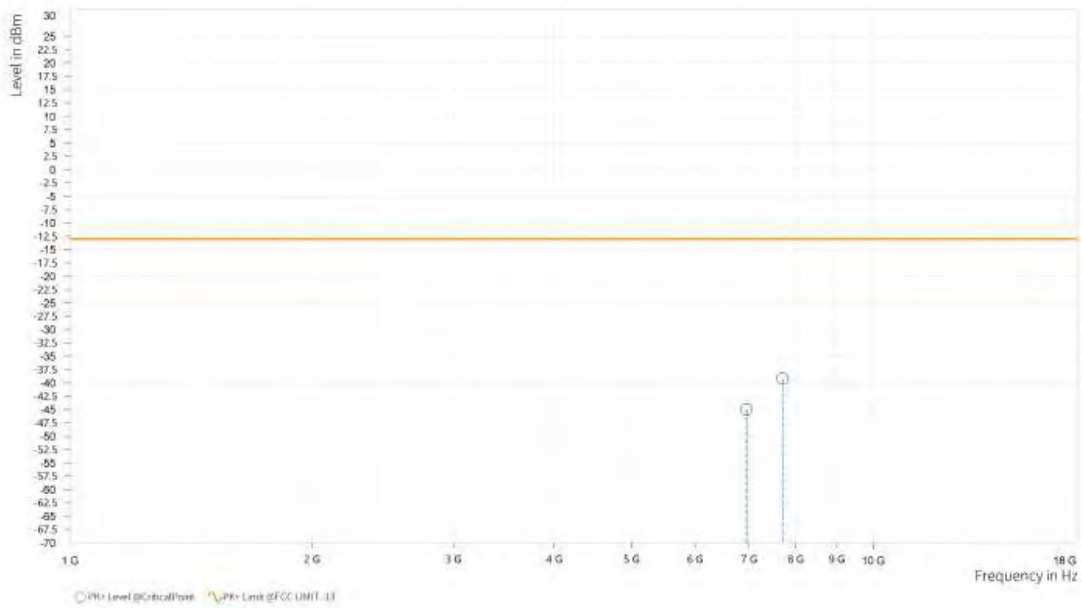




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,951.500	-44.98	-13.00	31.98	30.42	V	77.1	2
5	7,705.000	-39.21	-13.00	26.21	32.91	V	359	2





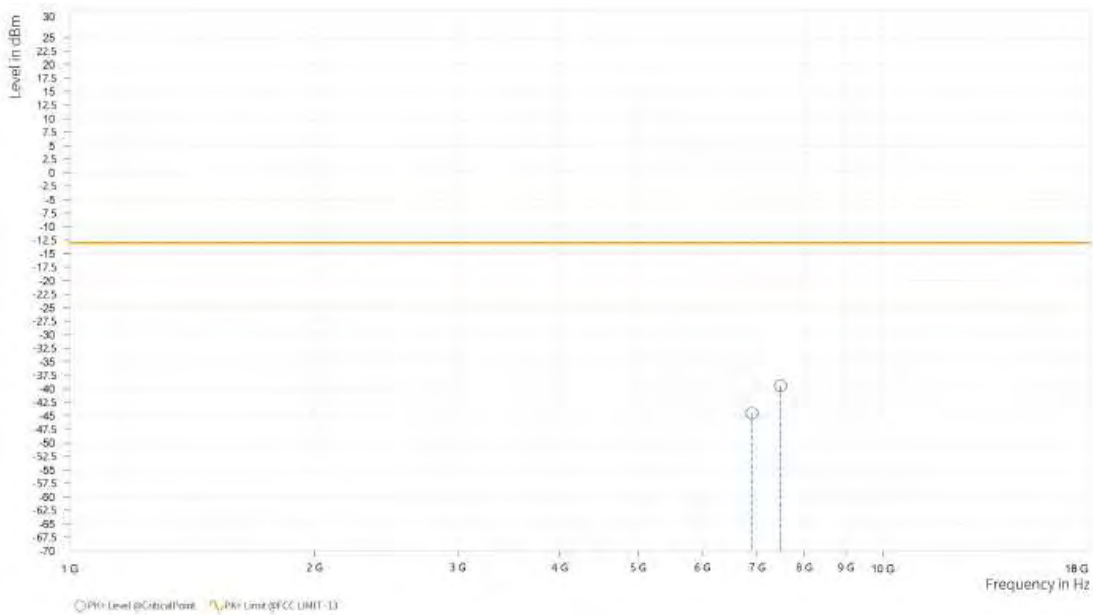
Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 60MHz / QPSK

CH632000

MODE	TX channel 632000	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]
5	6,902.500	-44.53	-13.00	31.53	30.68	H	337.6	1
5	7,484.500	-39.41	-13.00	26.41	31.75	H	1	1

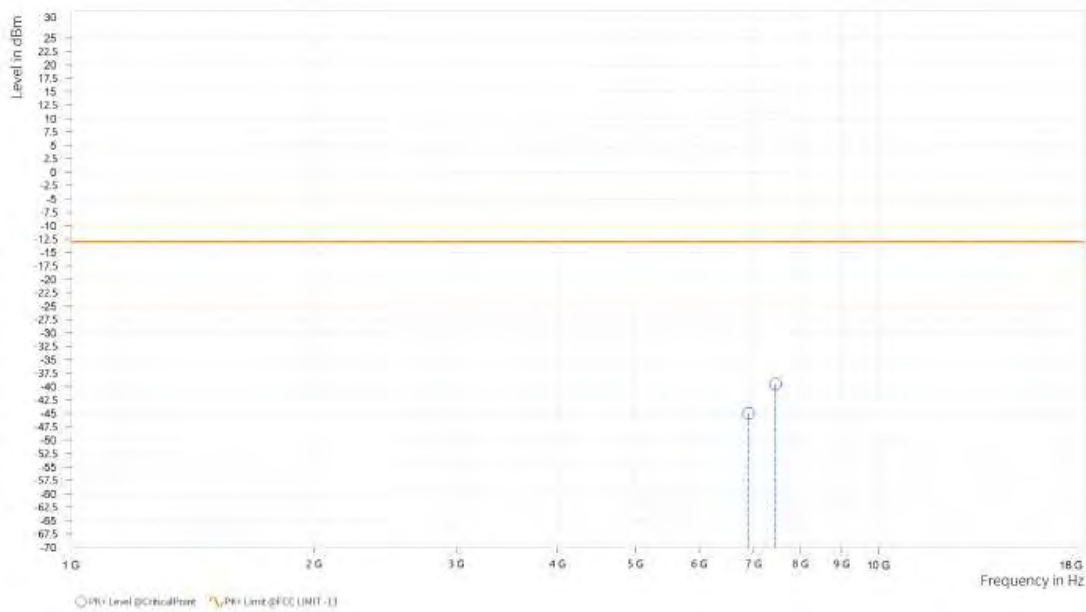




Test Report No.: W7L-P23100014RF12

MODE	TX channel 632000	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]
5	6,901.500	-45.00	-13.00	32.00	30.80	V	287.7	1
5	7,451.500	-39.52	-13.00	26.52	31.73	V	77.2	2



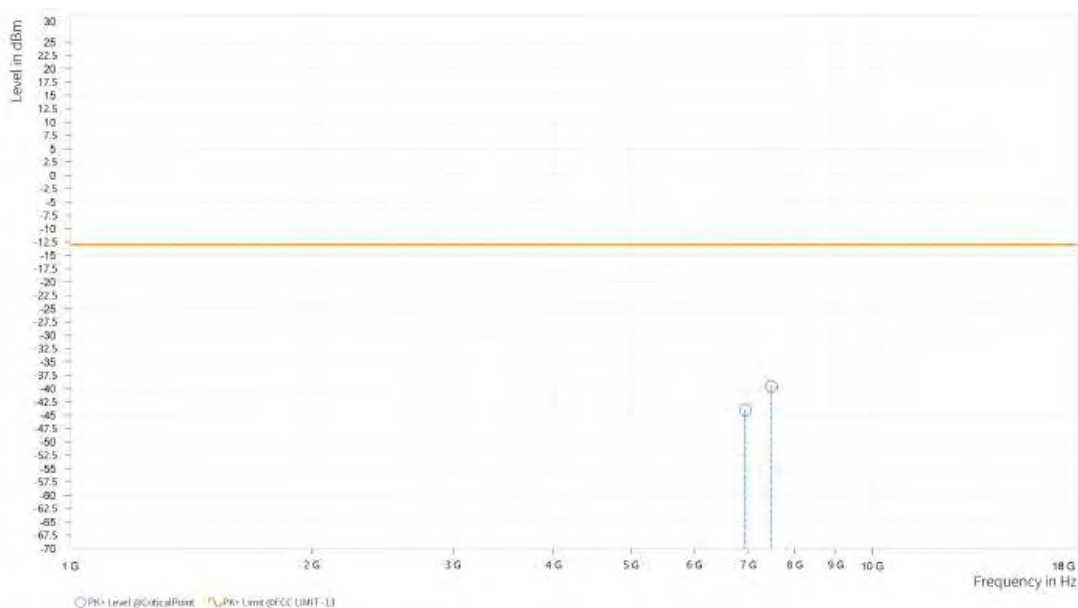


Test Report No.: W7L-P23100014RF12

CH633334

MODE	TX channel 633334	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]
5	6,942.000	-44.03	-13.00	31.03	30.34	H	359.1	1
5	7,483.000	-39.62	-13.00	26.62	31.75	H	77.2	2

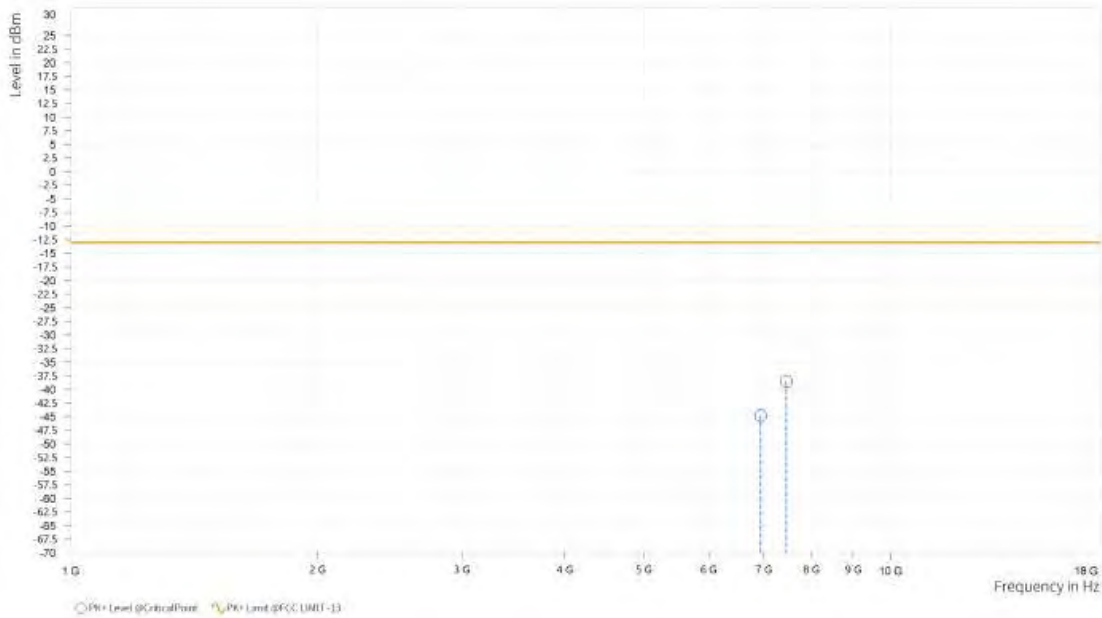




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,942.000	-44.84	-13.00	31.84	30.54	V	285.3	1
5	7,458.500	-38.52	-13.00	25.52	31.72	V	76	2



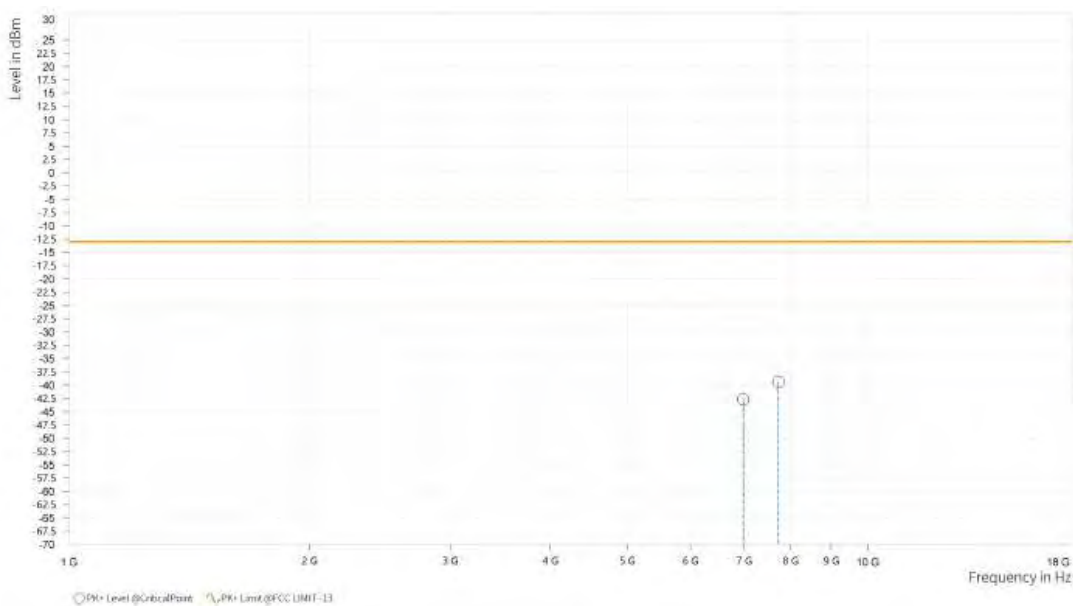


Test Report No.: W7L-P23100014RF12

CH634666

MODE	TX channel 634666	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]
5	6,982.000	-42.69	-13.00	29.69	30.22	H	1	1
5	7,726.000	-39.38	-13.00	26.38	32.79	H	287.7	1

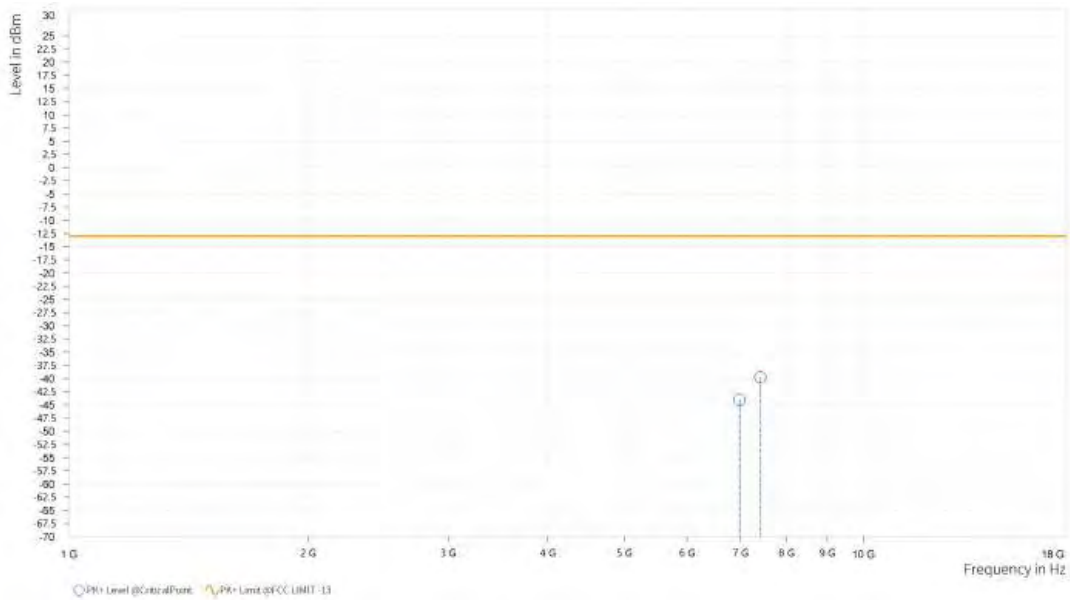




Test Report No.: W7L-P23100014RF12

MODE	TX channel 634666	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]
5	6,982.000	-44.01	-13.00	31.01	30.34	V	70	2
5	7,417.000	-39.78	-13.00	26.78	31.73	V	0.9	2



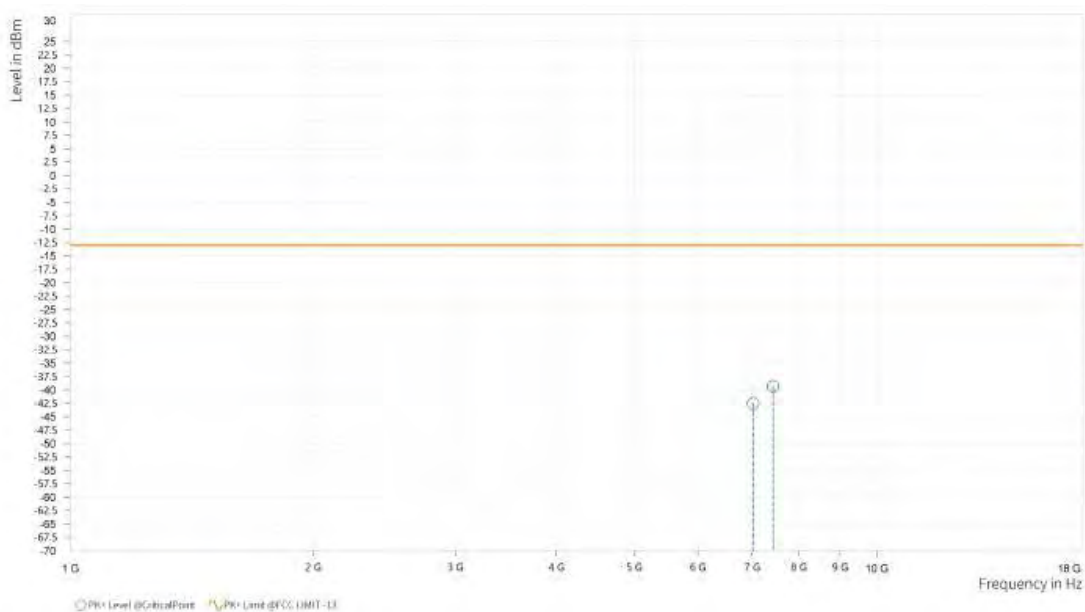


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 80MHz / QPSK

MODE	TX channel 633334	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]
5	7,022.500	-42.51	-13.00	29.51	30.38	H	359.1	1
5	7,435.500	-39.31	-13.00	26.31	31.60	H	1	2

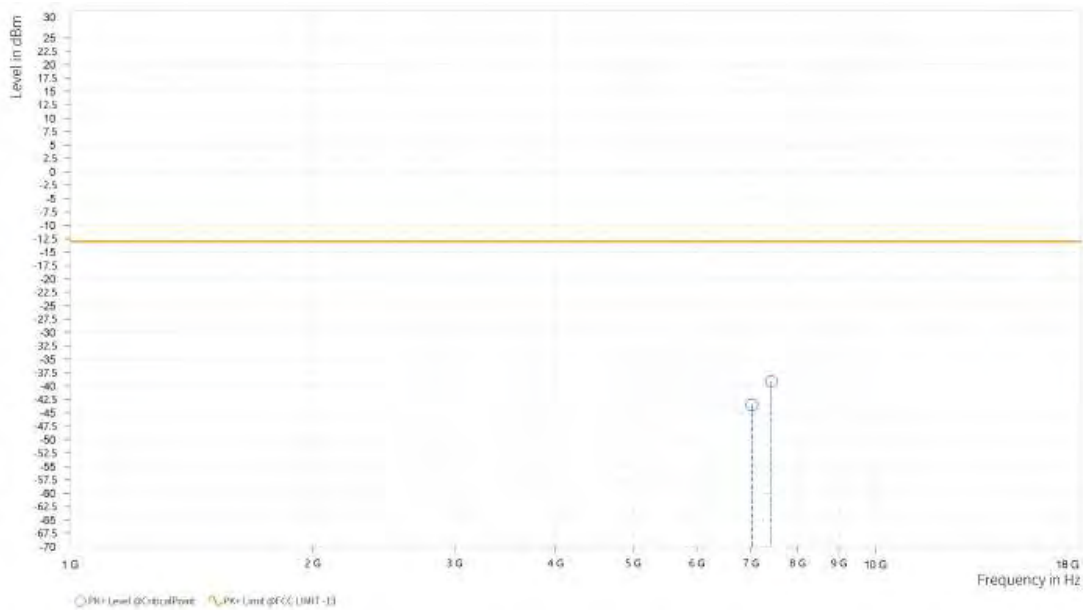




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	7,022.000	-43.47	-13.00	30.47	30.44	V	284.1	1
5	7,422.500	-39.13	-13.00	26.13	31.74	V	77.2	2



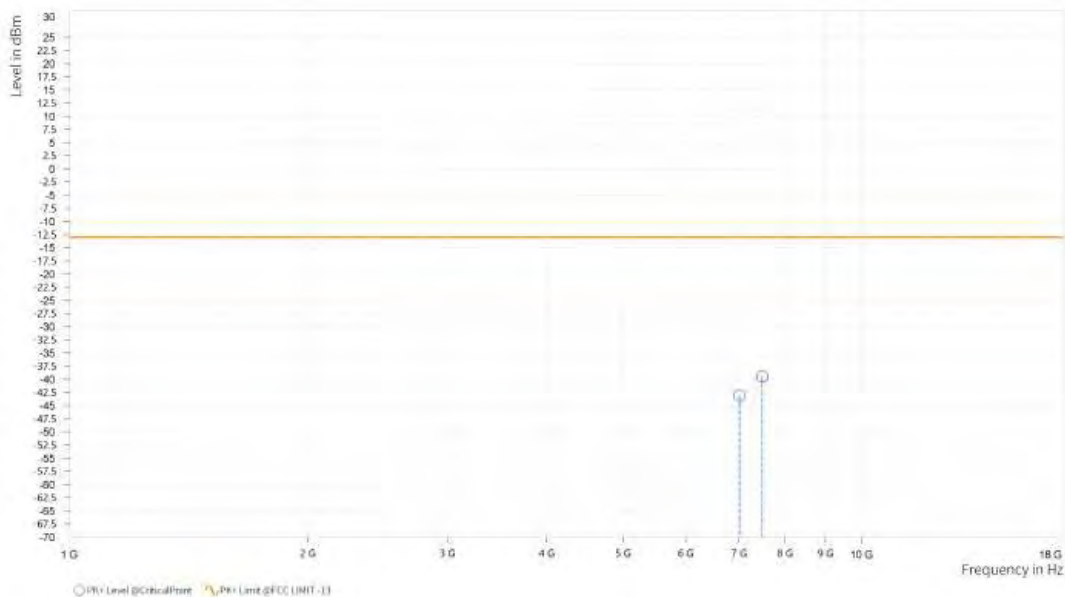


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 90MHz / QPSK

MODE	TX channel 633334	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]
5	7,012.000	-43.08	-13.00	30.08	30.32	H	78.3	2
5	7,490.500	-39.49	-13.00	26.49	31.79	H	78.3	2

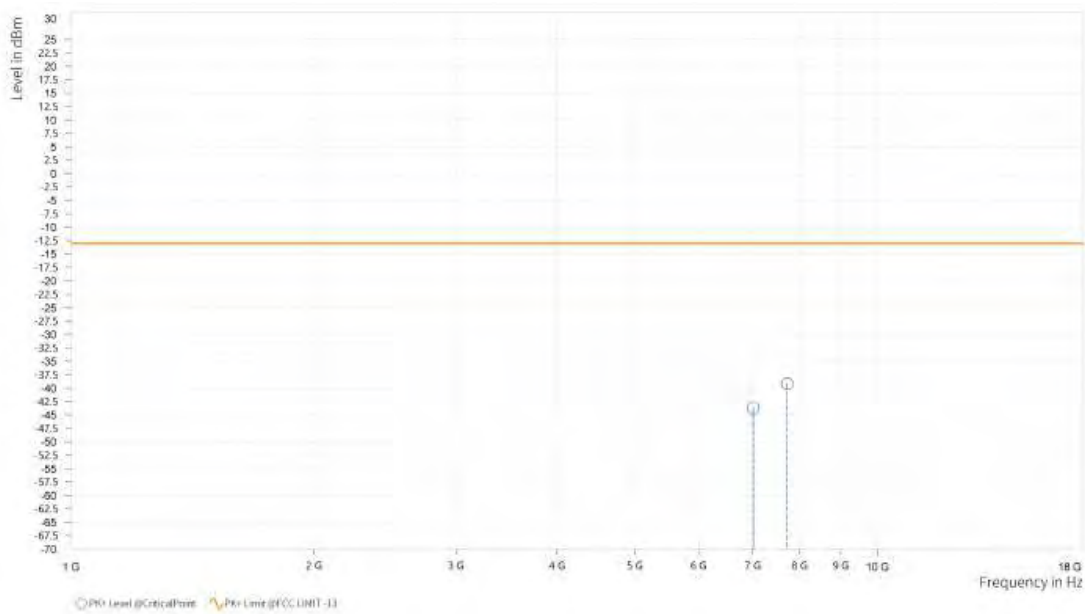




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	7,015.000	-43.67	-13.00	30.67	30.41	V	1	1
5	7,724.500	-39.14	-13.00	26.14	32.99	V	0.9	2



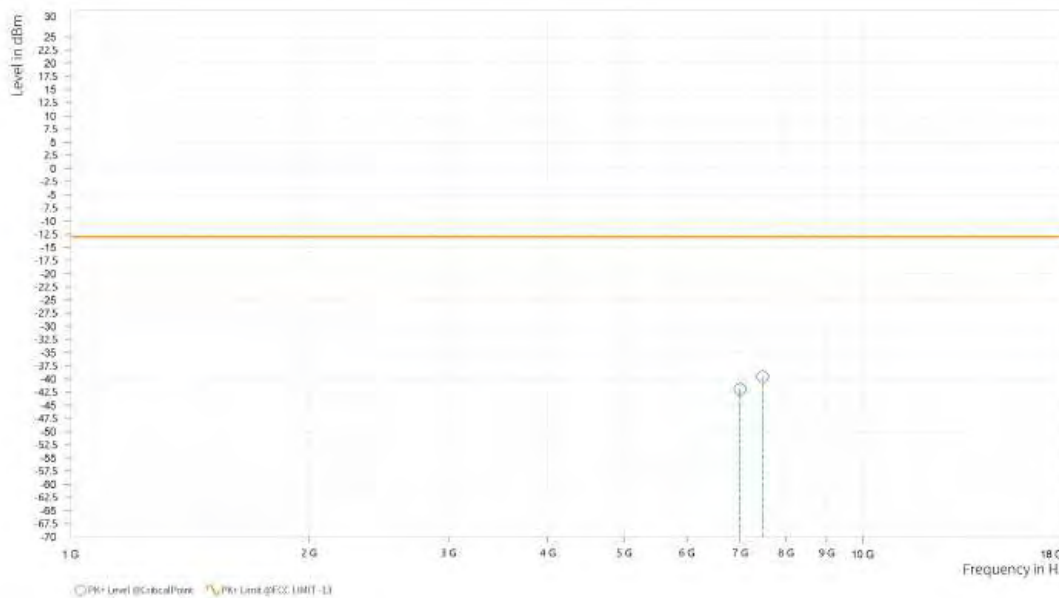


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 100MHz / QPSK

MODE	TX channel 633334	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]
5	7,001.500	-41.97	-13.00	28.97	30.27	H	359	1
5	7,475.500	-39.57	-13.00	26.57	31.70	H	74.7	2

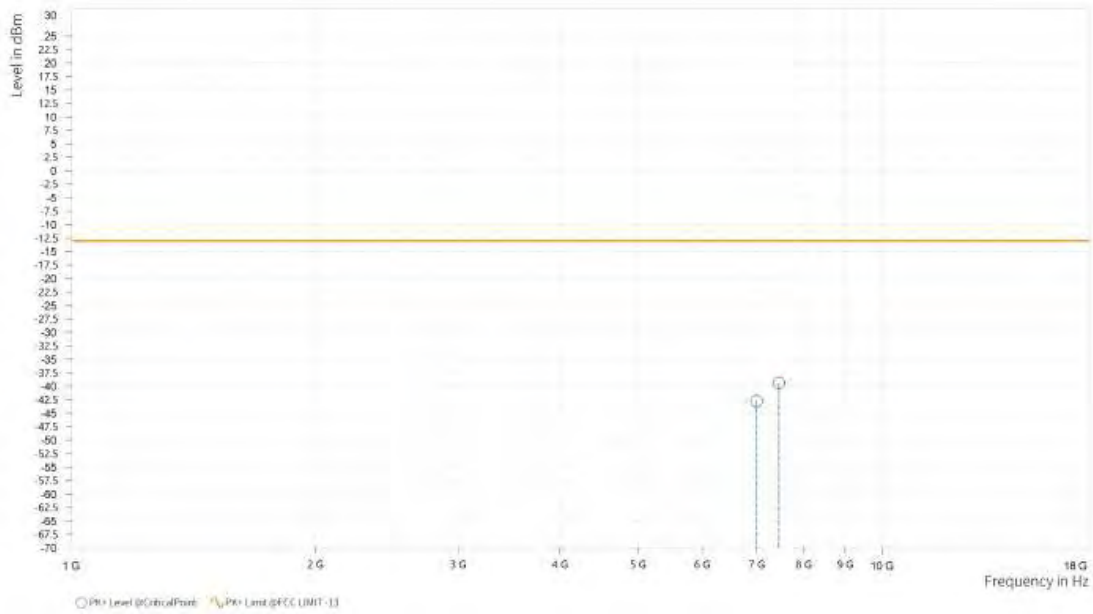




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	7,002.000	-42.76	-13.00	29.76	30.36	V	285.3	1
5	7,460.500	-39.38	-13.00	26.38	31.72	V	359	2





Test Report No.: W7L-P23100014RF12

N78 (Part 27Q): SRS-2 (ANT 4)

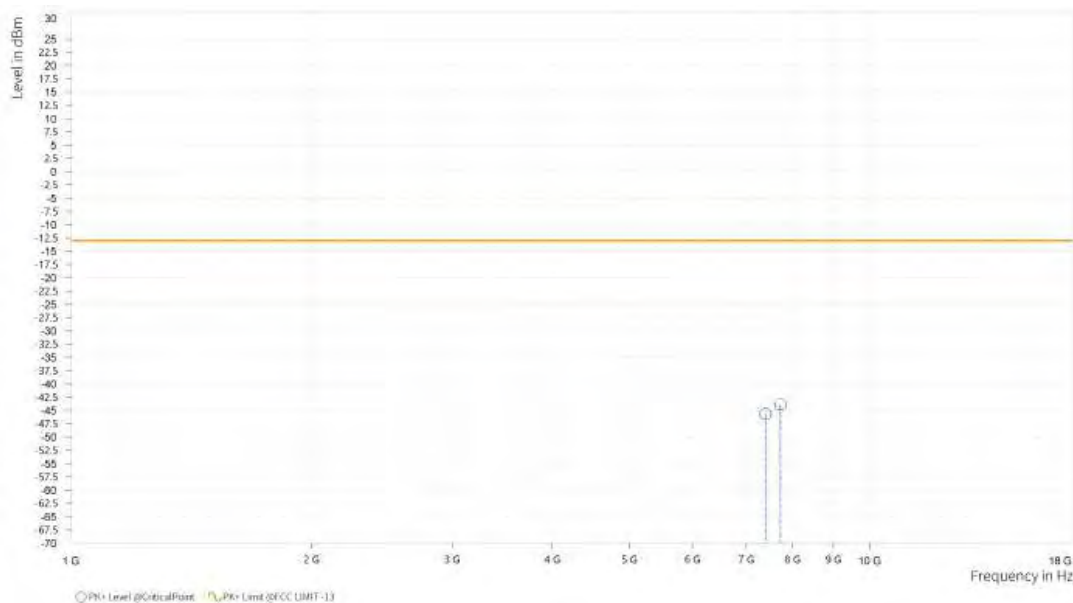
Note: For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

CHANNEL BANDWIDTH: 20MHz / QPSK

CH630668

MODE	TX channel 630668	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]
5	7,408.500	-45.64	-13.00	32.64	31.57	H	359	2
5	7,730.000	-43.84	-13.00	30.84	32.80	H	91.4	2

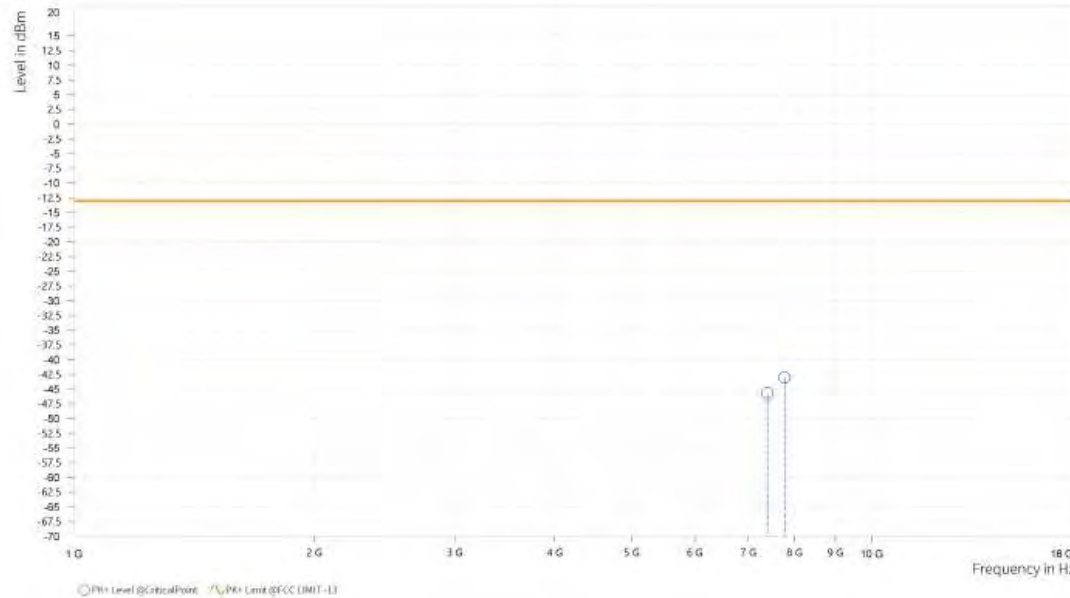




Test Report No.: W7L-P23100014RF12

MODE	TX channel 630668	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]
5	7,401.500	-45.71	-13.00	32.71	31.73	V	0.9	2
5	7,776.000	-43.02	-13.00	30.02	33.03	V	359	2



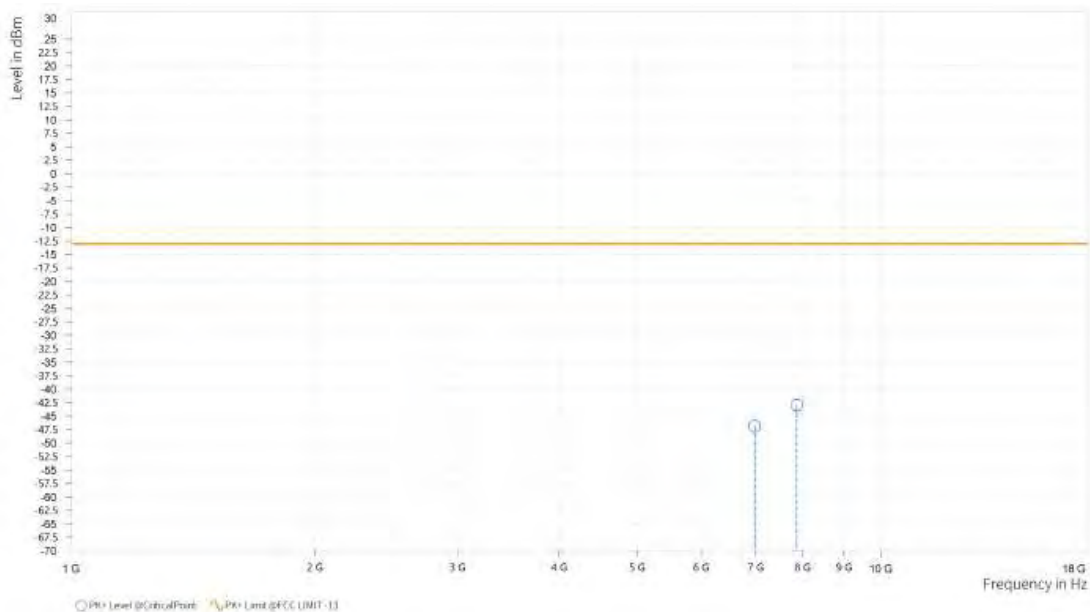


Test Report No.: W7L-P23100014RF12

CH633334

MODE	TX channel 633334	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]
5	6,980.500	-46.88	-13.00	33.88	30.21	H	93.8	2
5	7,869.000	-42.92	-13.00	29.92	32.99	H	1	2

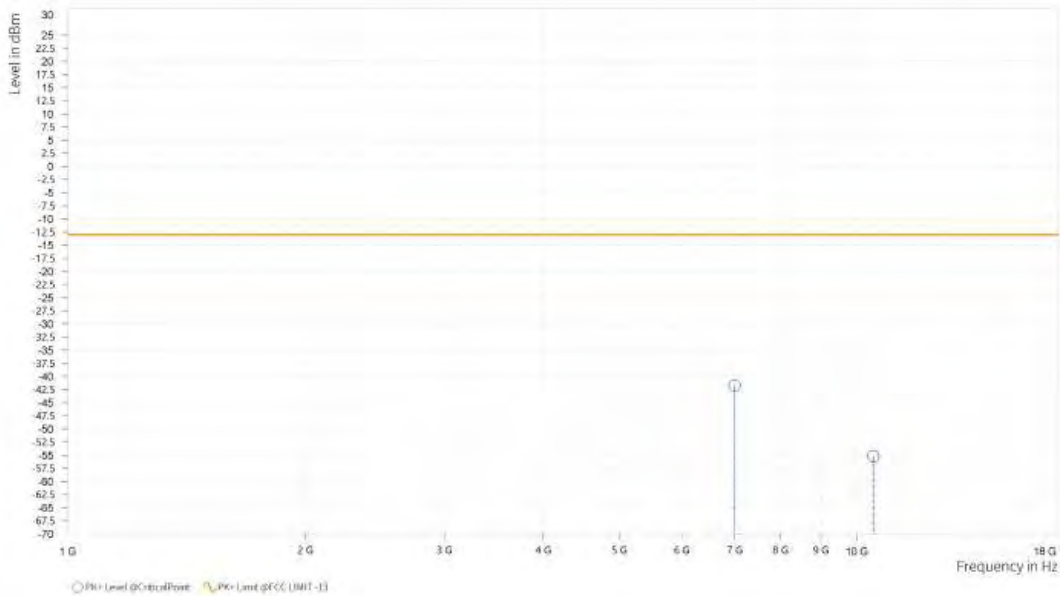




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	7,000.500	-41.72	-13.00	28.72	30.36	V	1	2
6	10,496.000	-55.18	-13.00	42.18	22.29	V	1	2



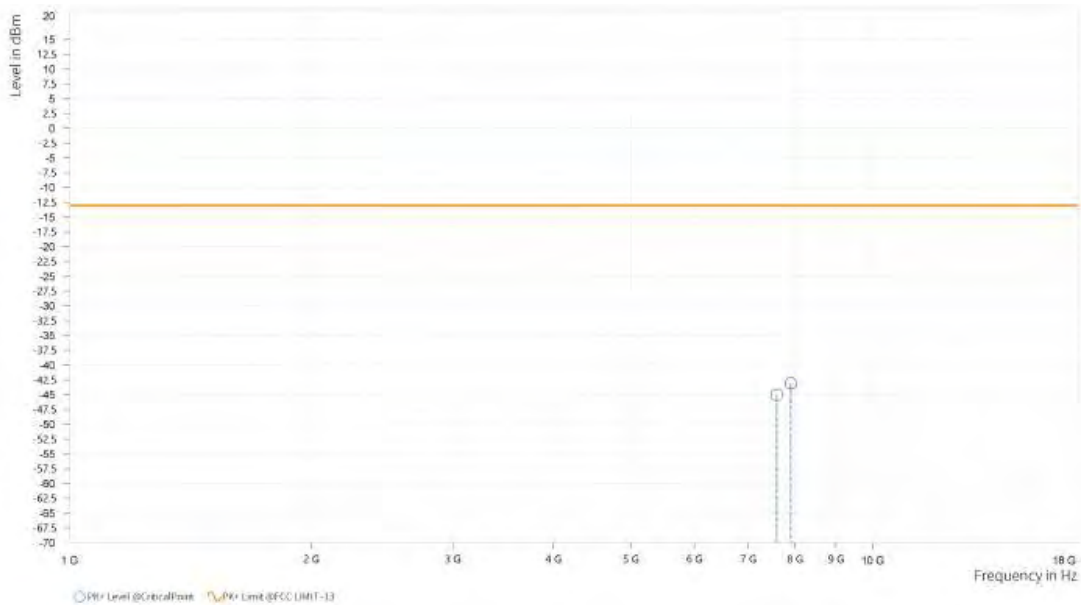


Test Report No.: W7L-P23100014RF12

CH636000

MODE	TX channel 636000	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]
5	7,591.500	-45.04	-13.00	32.04	32.17	H	91.4	2
5	7,908.000	-43.08	-13.00	30.08	33.01	H	1	2

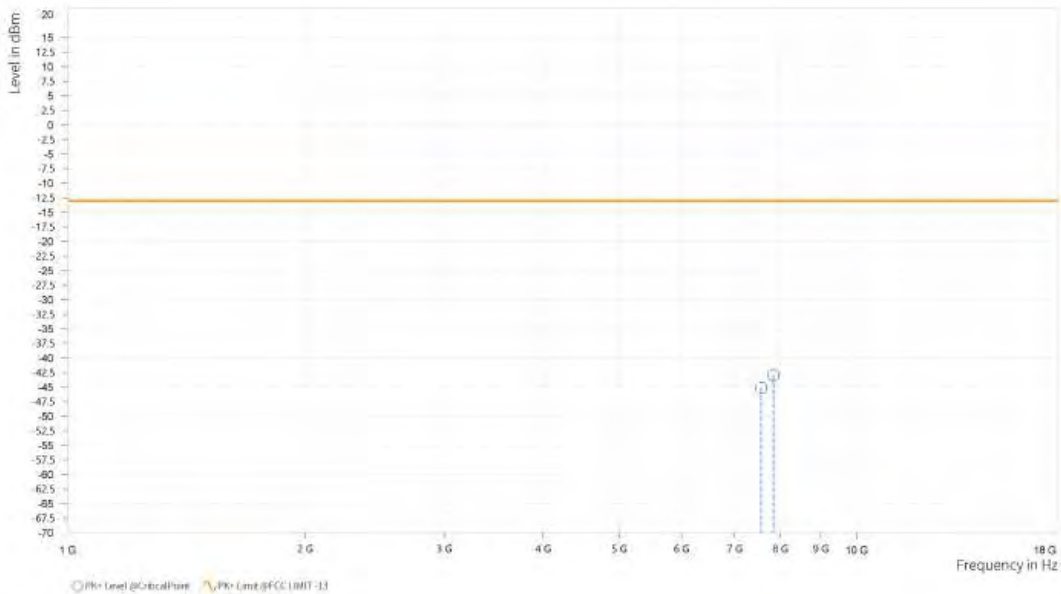




Test Report No.: W7L-P23100014RF12

MODE	TX channel 636000	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]
5	7,564.500	-45.14	-13.00	32.14	32.14	V	90.2	2
5	7,840.000	-42.91	-13.00	29.91	33.06	V	90.2	2



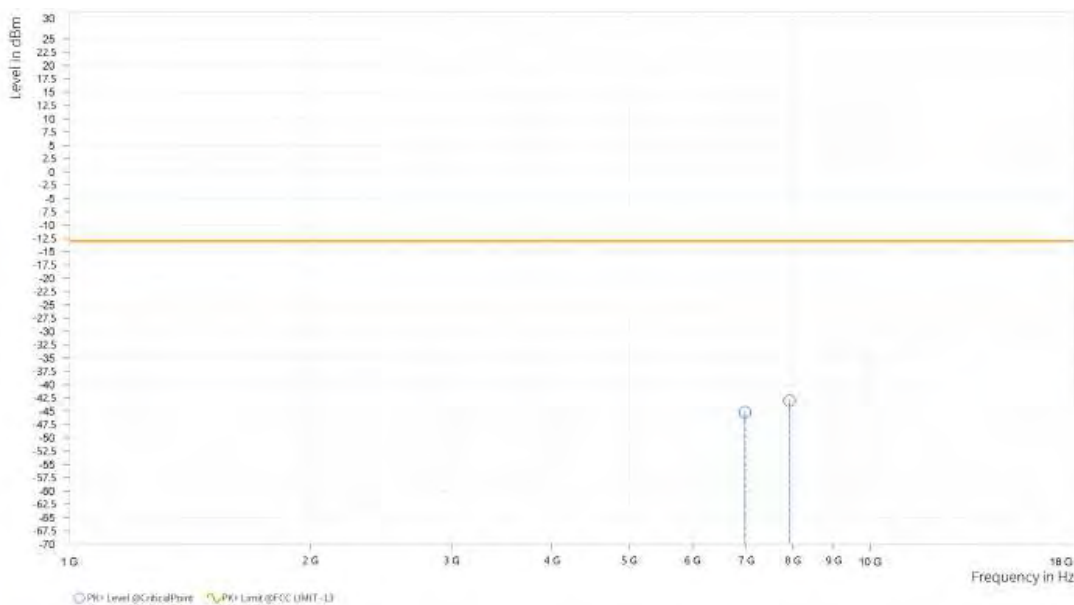


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 30MHz / QPSK

MODE	TX channel 633334	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]
5	6,972.000	-45.17	-13.00	32.17	30.19	H	0.9	2
5	7,925.000	-43.08	-13.00	30.08	33.00	H	92.6	2

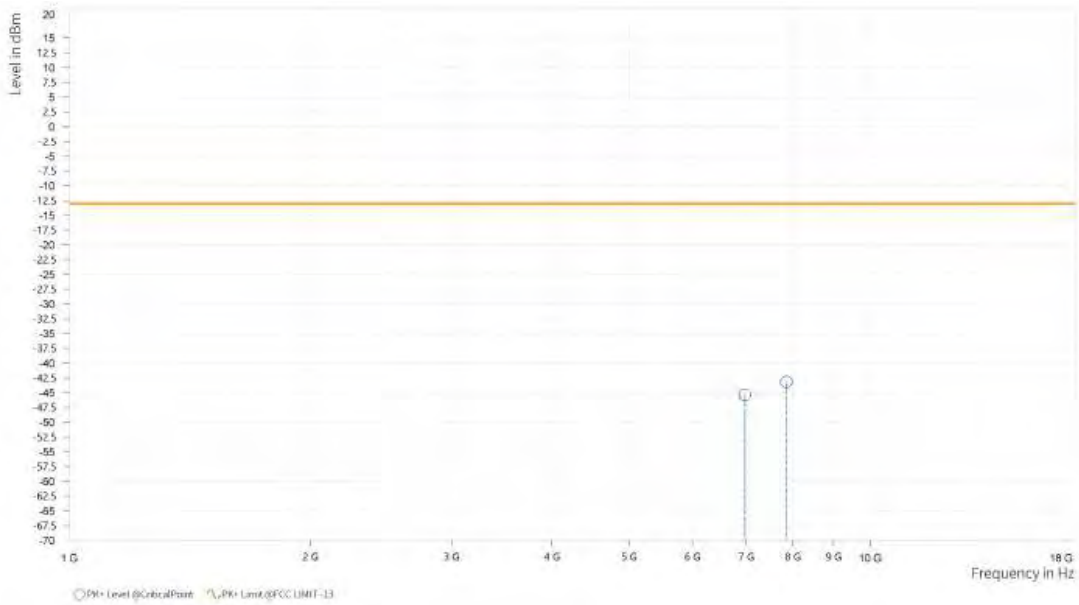




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,972.000	-45.36	-13.00	32.36	30.33	V	0.9	2
5	7,855.500	-43.17	-13.00	30.17	33.06	V	0.9	2



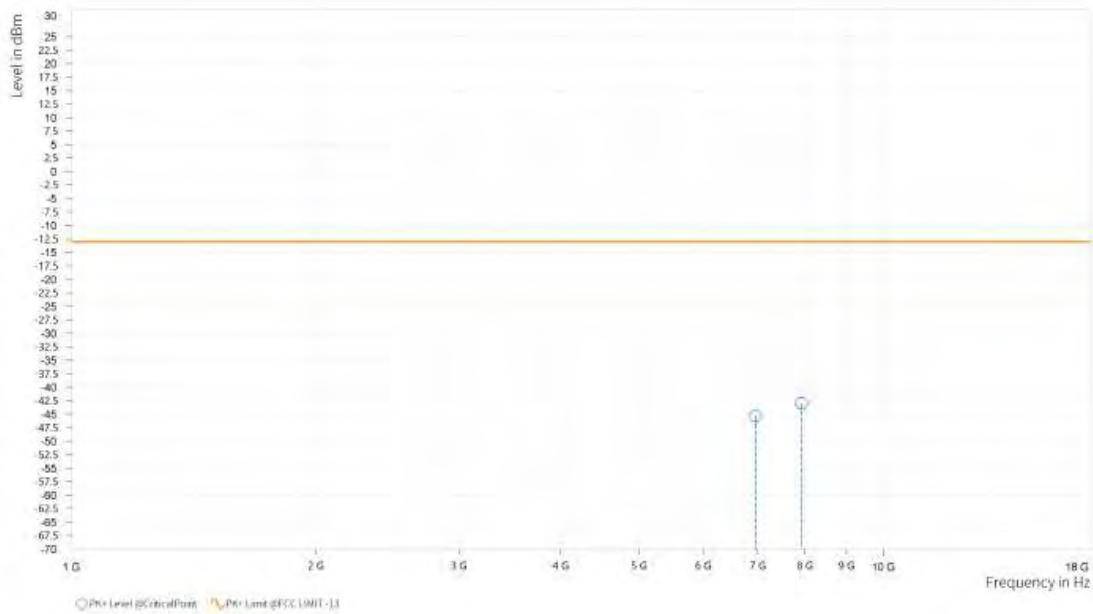


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 40MHz / QPSK

MODE	TX channel 633334	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]
5	6,962.000	-45.34	-13.00	32.34	30.16	H	359	1
5	7,927.500	-42.96	-13.00	29.96	33.00	H	359	2

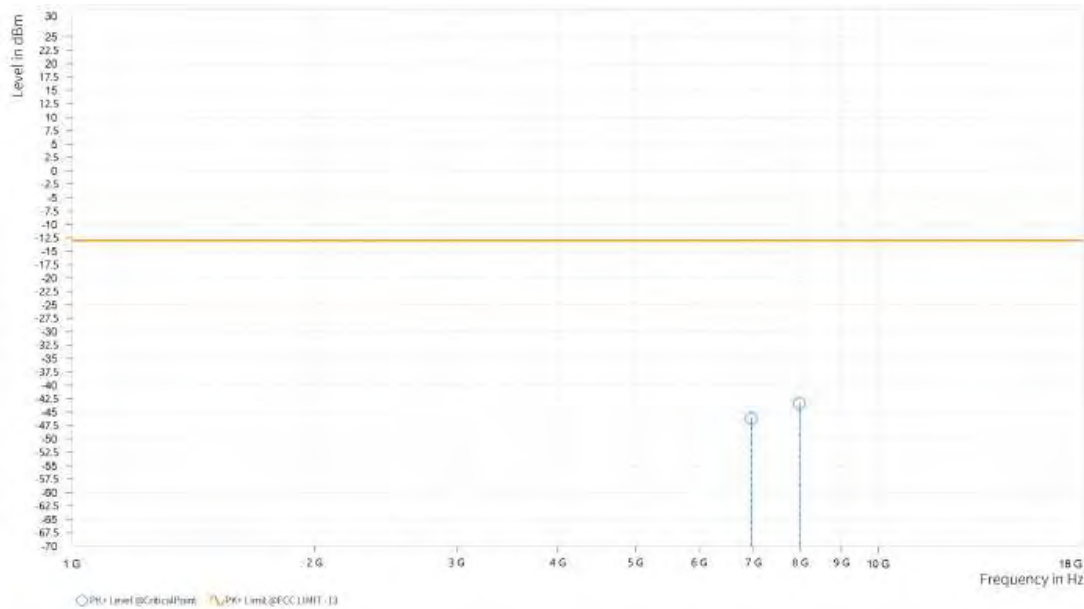




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,961.500	-46.23	-13.00	33.23	30.32	V	1	1
5	7,989.000	-43.38	-13.00	30.38	33.32	V	305.5	1



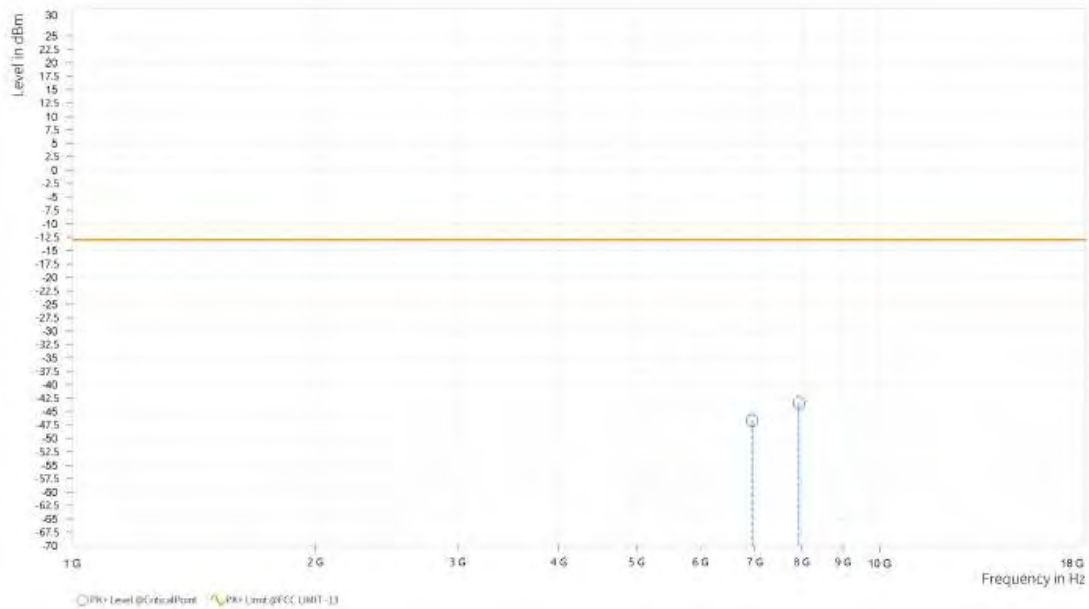


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 50MHz / QPSK

MODE	TX channel 633334	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]
5	6,951.500	-46.65	-13.00	33.65	30.24	H	1	2
5	7,940.000	-43.41	-13.00	30.41	32.99	H	1	2

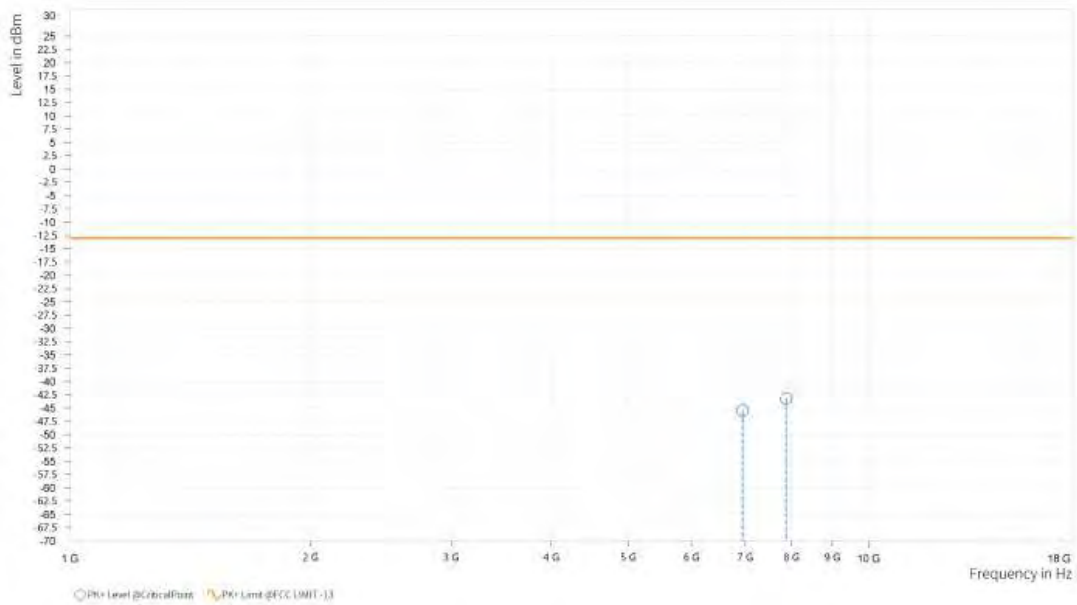




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,952.500	-45.44	-13.00	32.44	30.41	V	0.9	2
5	7,881.000	-43.18	-13.00	30.18	33.04	V	359.1	1



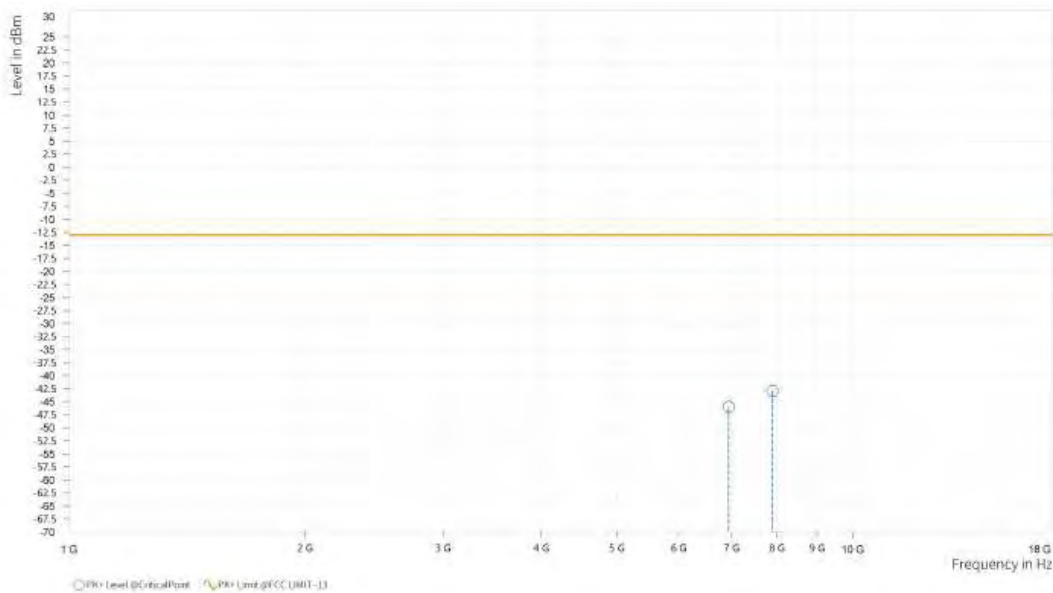


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 60MHz / QPSK

MODE	TX channel 633334	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]
5	6,941.500	-46.01	-13.00	33.01	30.35	H	359	2
5	7,898.500	-42.93	-13.00	29.93	33.01	H	304.3	1

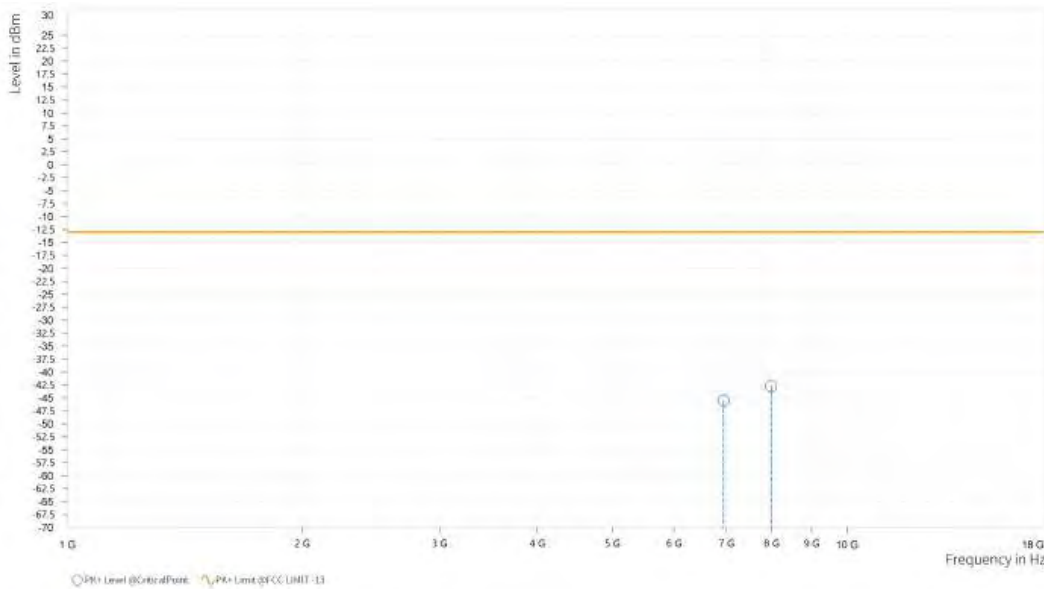




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,942.000	-45.49	-13.00	32.49	30.54	V	1	2
5	7,988.500	-42.71	-13.00	29.71	33.32	V	319.9	1



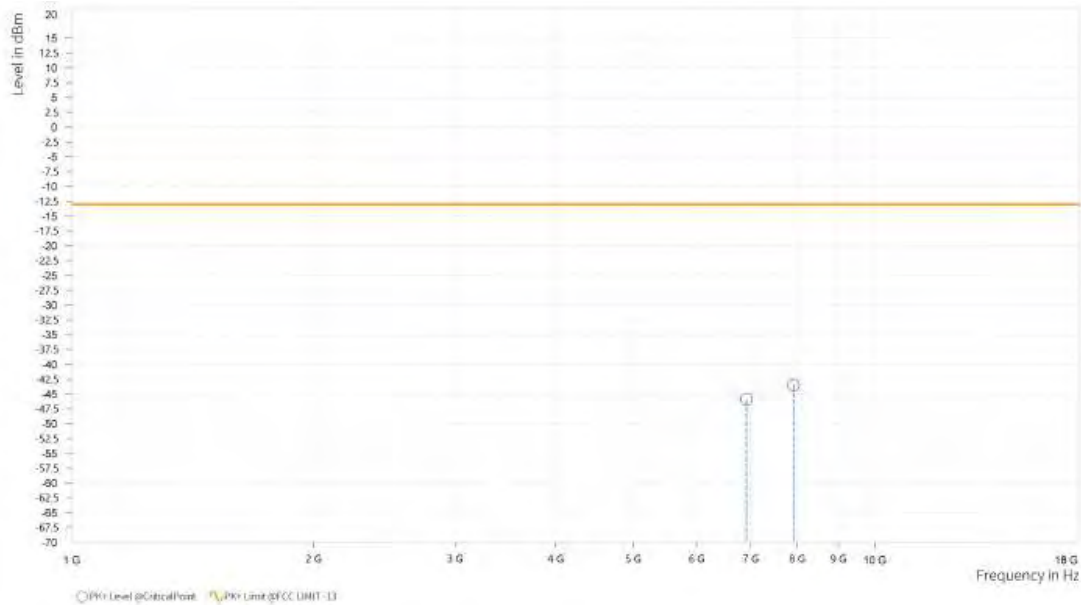


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 80MHz / QPSK

MODE	TX channel 633334	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]
5	6,922.000	-45.88	-13.00	32.88	30.52	H	304.4	1
5	7,924.000	-43.48	-13.00	30.48	33.00	H	359	2

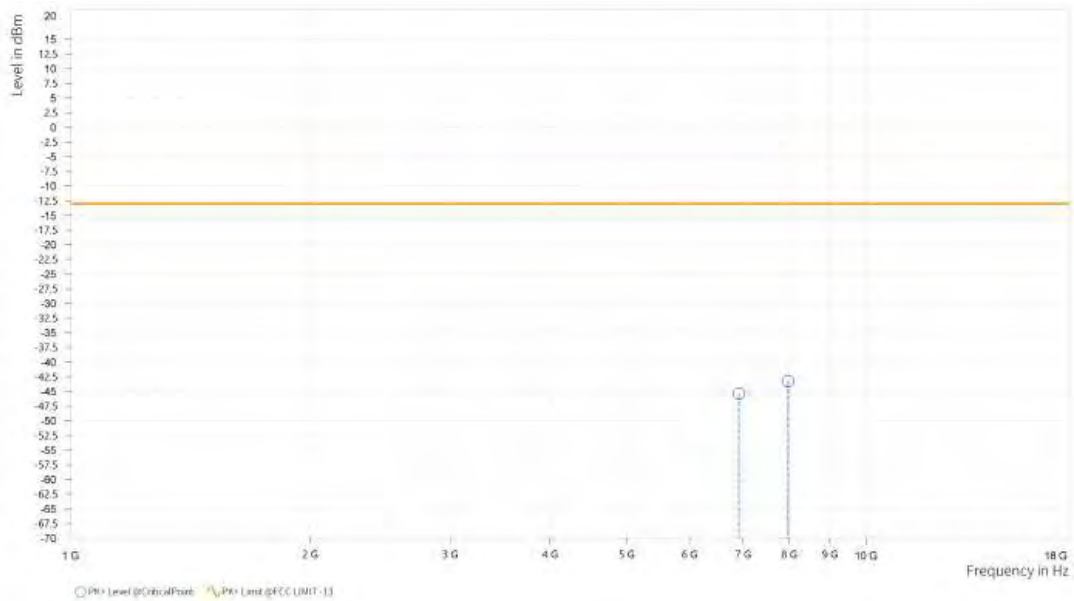




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,922.000	-45.37	-13.00	32.37	30.69	V	359.1	1
5	7,978.500	-43.21	-13.00	30.21	33.29	V	359	2



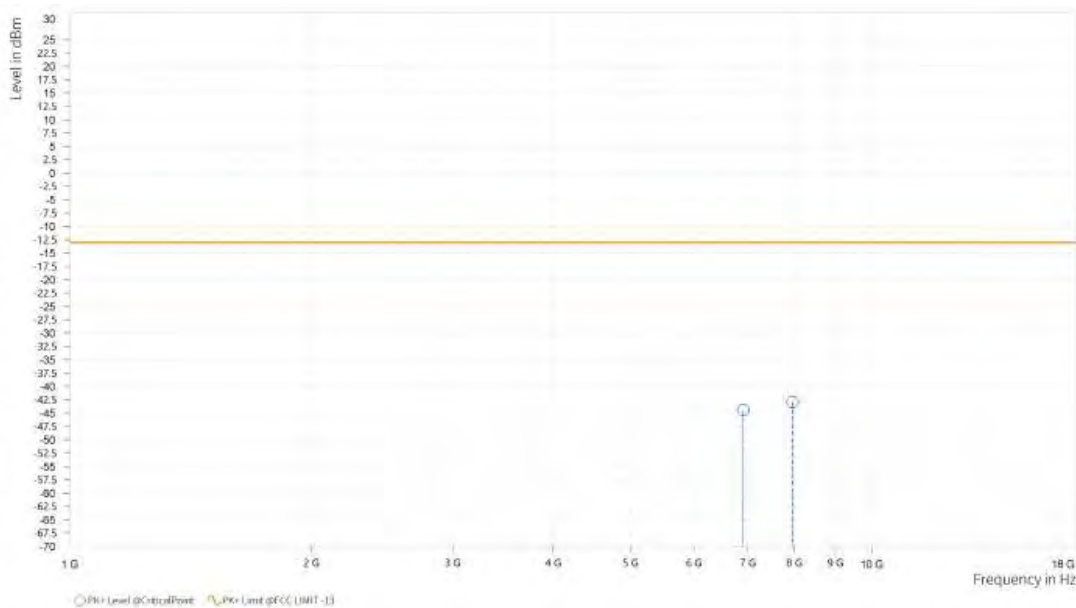


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 90MHz / QPSK

MODE	TX channel 633334	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]
5	6,912.000	-44.39	-13.00	31.39	30.60	H	359	1
5	7,960.000	-42.89	-13.00	29.89	32.98	H	267.4	1

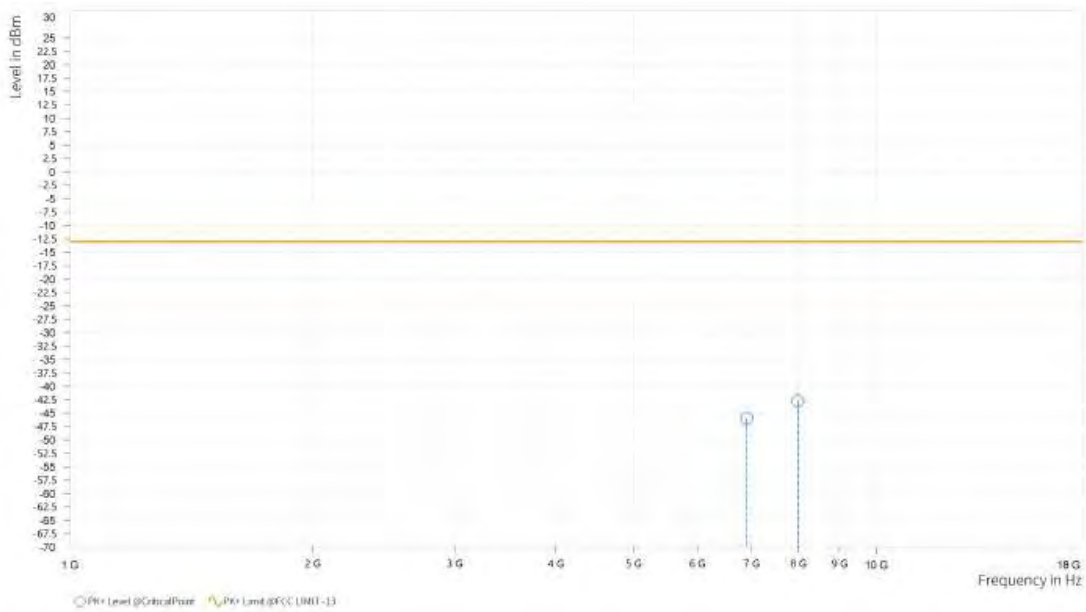




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,912.000	-45.99	-13.00	32.99	30.74	V	304.4	1
5	7,992.500	-42.78	-13.00	29.78	33.33	V	304.4	1



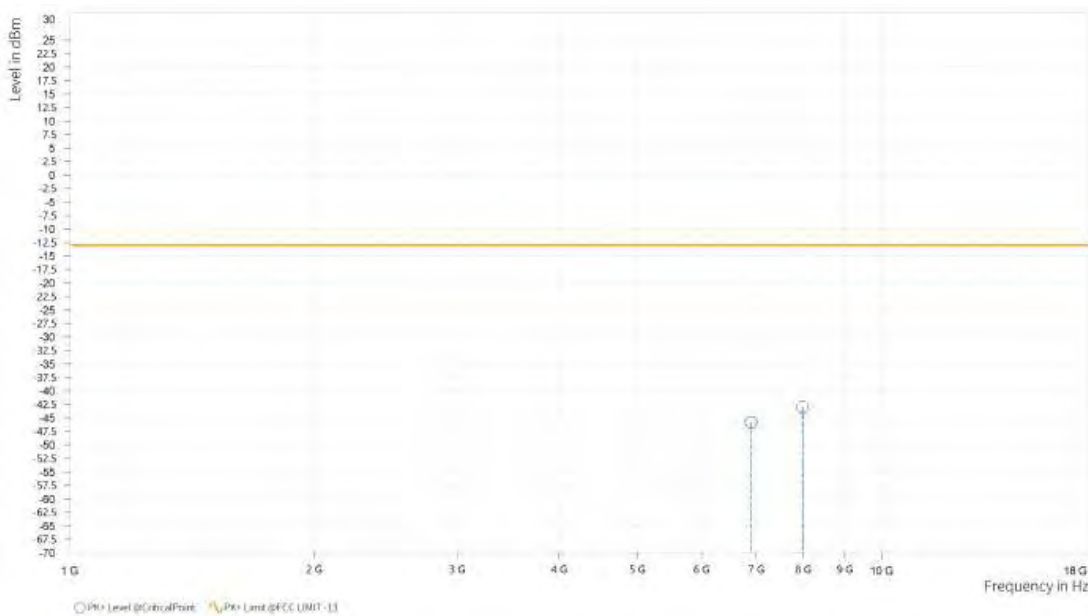


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 100MHz / QPSK

MODE	TX channel 633334	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]
5	6,902.000	-45.81	-13.00	32.81	30.69	H	1	2
5	7,985.500	-43.01	-13.00	30.01	33.06	H	91.4	2

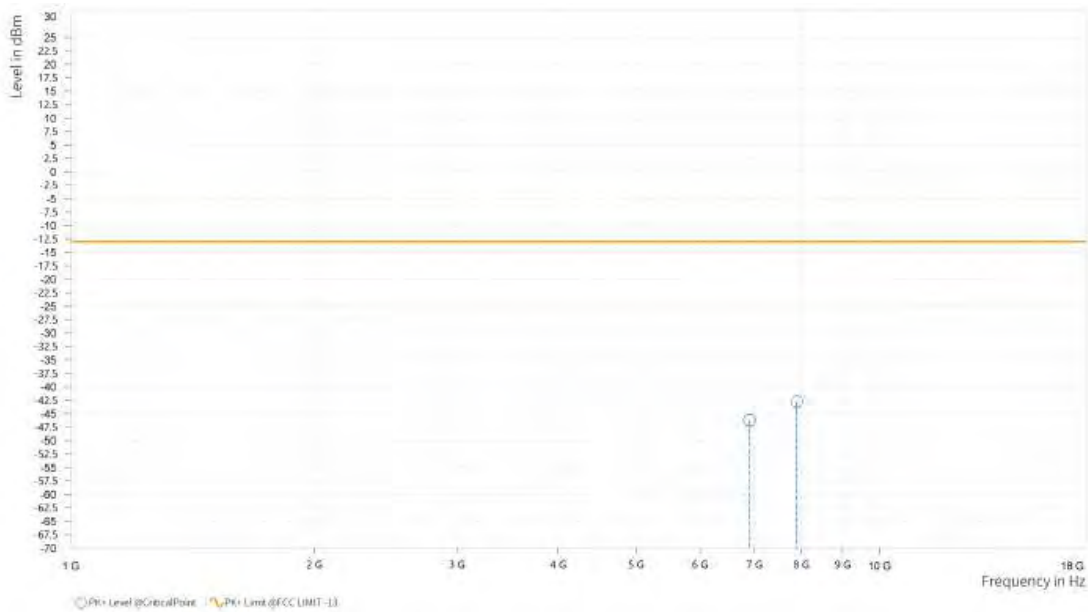




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,902.000	-46.21	-13.00	33.21	30.80	V	1	2
5	7,899.000	-42.76	-13.00	29.76	33.06	V	1	2





Test Report No.: W7L-P23100014RF12

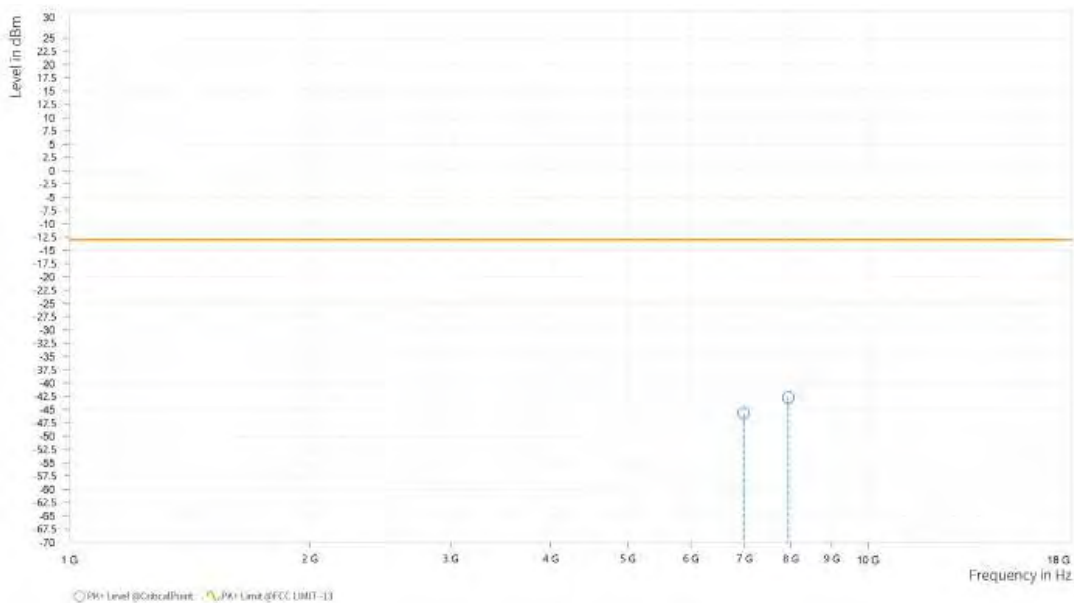
N78 (Part 27Q): SRS-3 (ANT 6)

Note: For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

CHANNEL BANDWIDTH: 20MHz / QPSK

MODE	TX channel 633334	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]
5	6,982.000	-45.71	-13.00	32.71	30.22	H	359	2
5	7,940.500	-42.74	-13.00	29.74	32.99	H	1	1

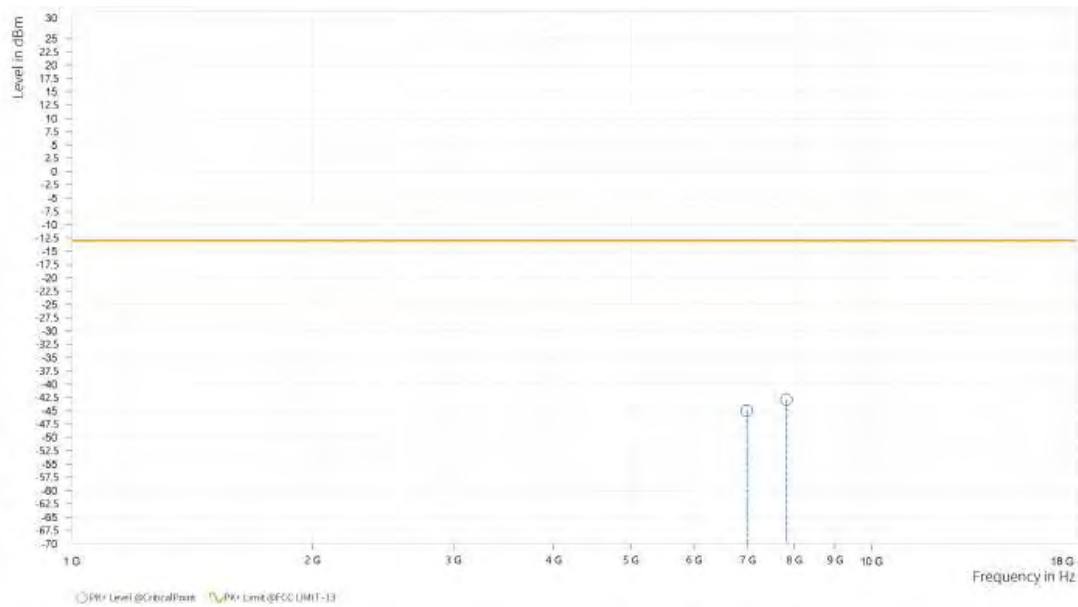




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,982.000	-44.99	-13.00	31.99	30.34	V	91.4	2
5	7,827.000	-42.91	-13.00	29.91	33.07	V	1	2



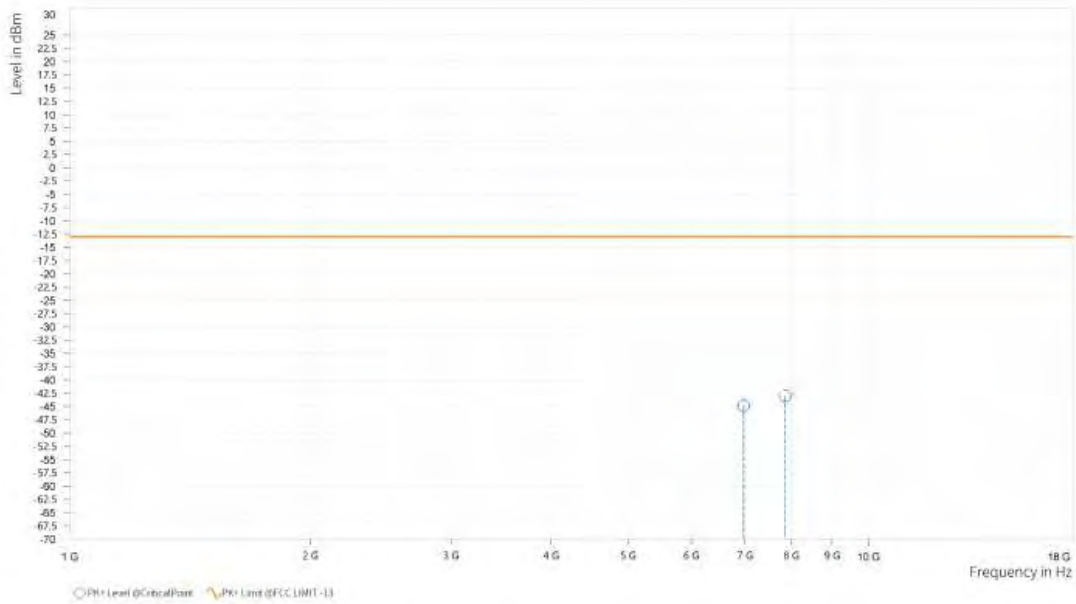


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 30MHz / QPSK

MODE	TX channel 633334	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]
5	6,972.000	-44.85	-13.00	31.85	30.19	H	269.8	1
5	7,860.500	-42.97	-13.00	29.97	32.99	H	1	1

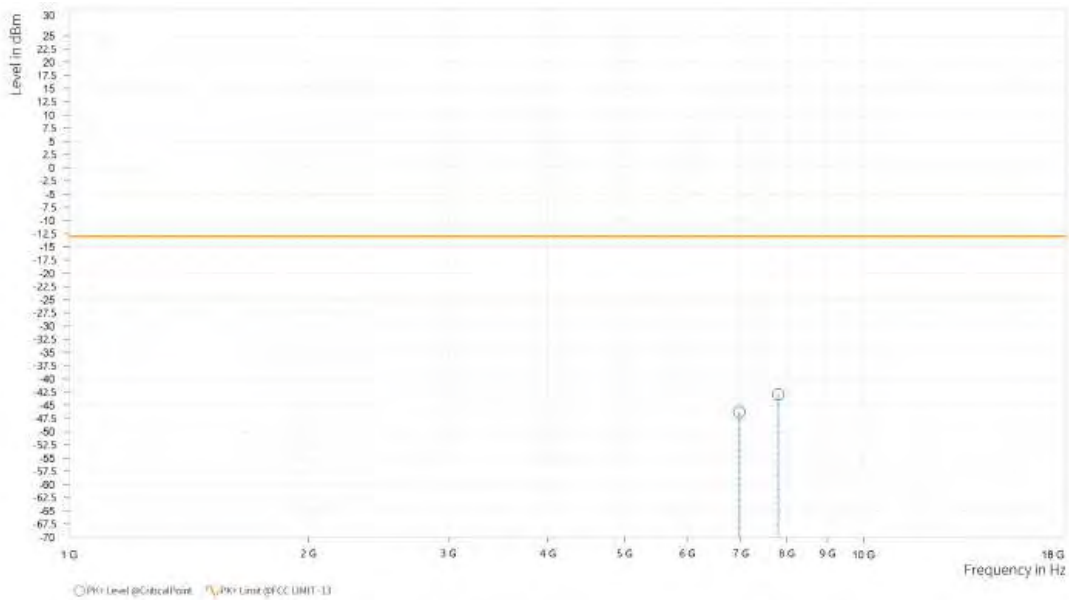




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,972.000	-46.30	-13.00	33.30	30.33	V	359	2
5	7,807.500	-42.98	-13.00	29.98	33.06	V	359.1	1



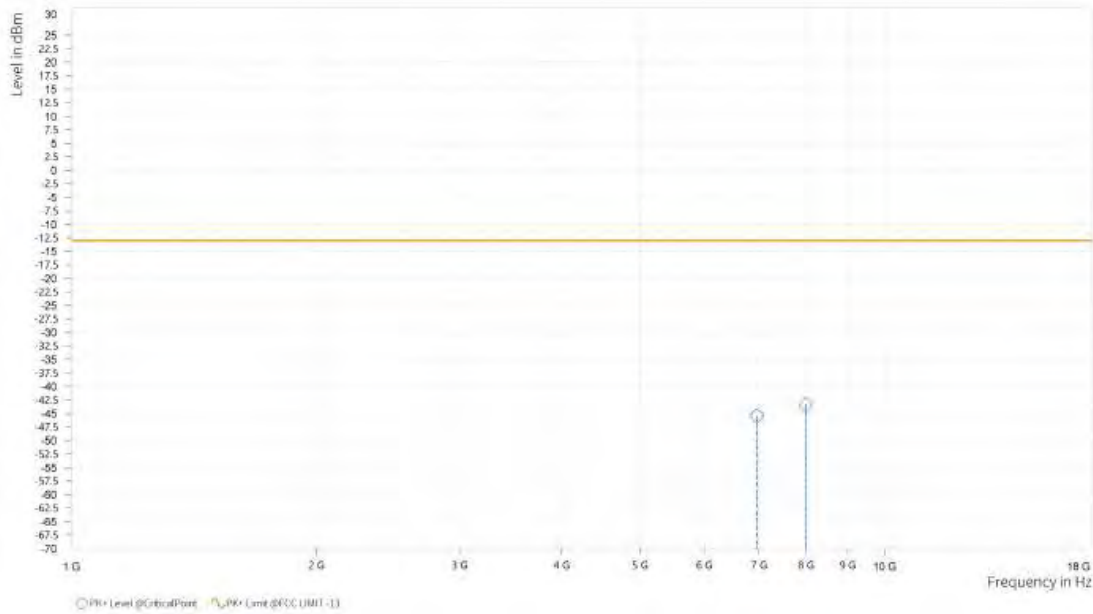


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 40MHz / QPSK

MODE	TX channel 633334	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]
5	6,963.000	-45.46	-13.00	32.46	30.16	H	53.3	2
5	7,993.500	-43.33	-13.00	30.33	33.12	H	359	2



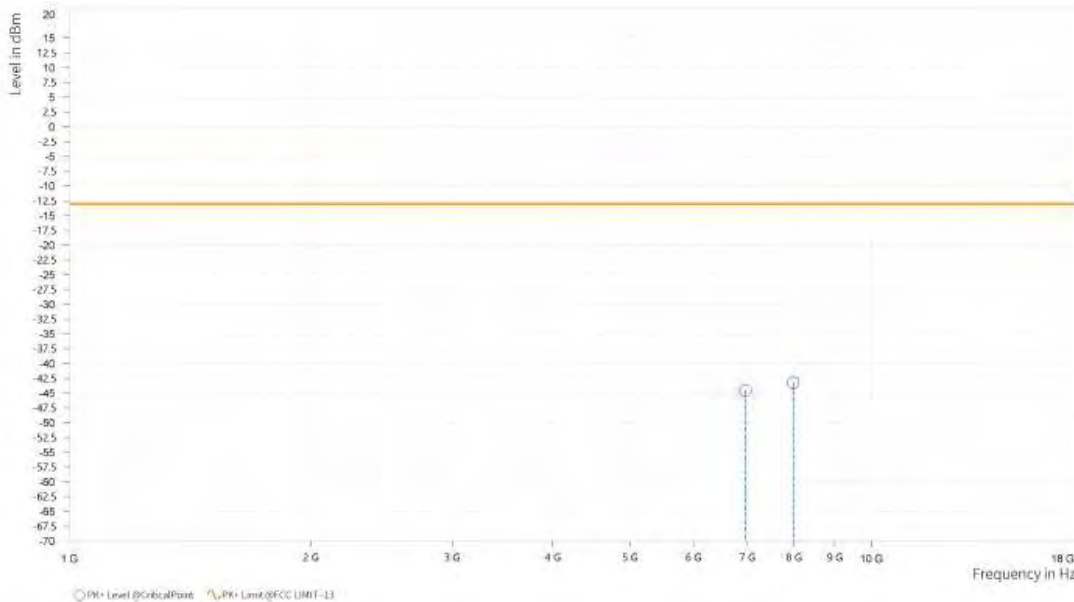


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Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,962.500	-44.57	-13.00	31.57	30.32	V	1	1
5	7,985.500	-43.22	-13.00	30.22	33.31	V	90.2	2



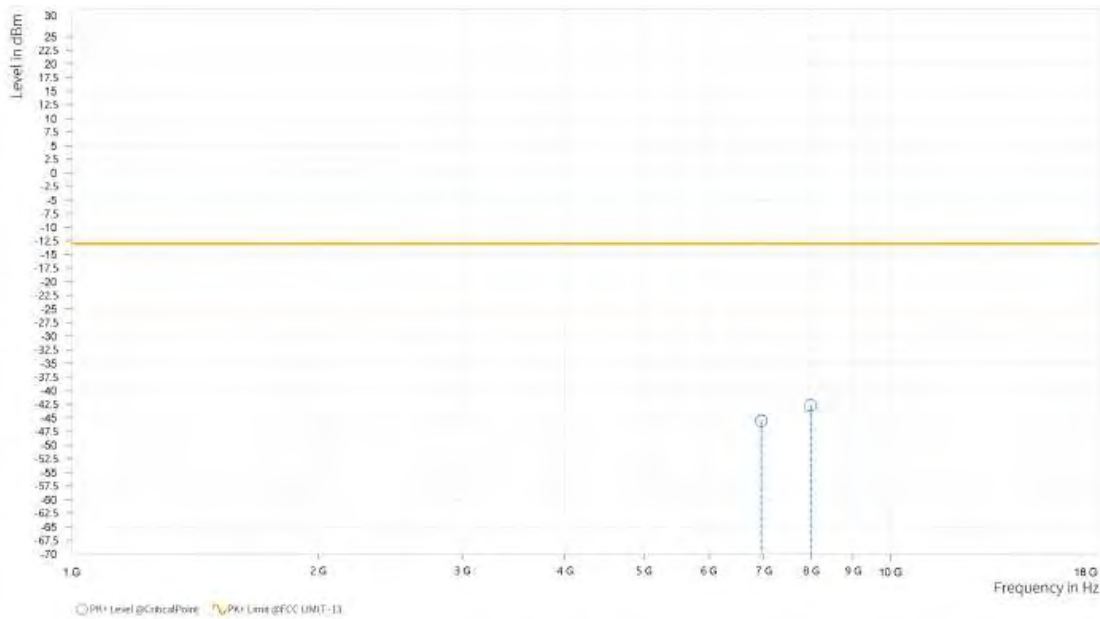


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 50MHz / QPSK

MODE	TX channel 633334	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]
5	6,952.500	-45.55	-13.00	32.55	30.23	H	359	2
5	7,988.000	-42.71	-13.00	29.71	33.08	H	271	1

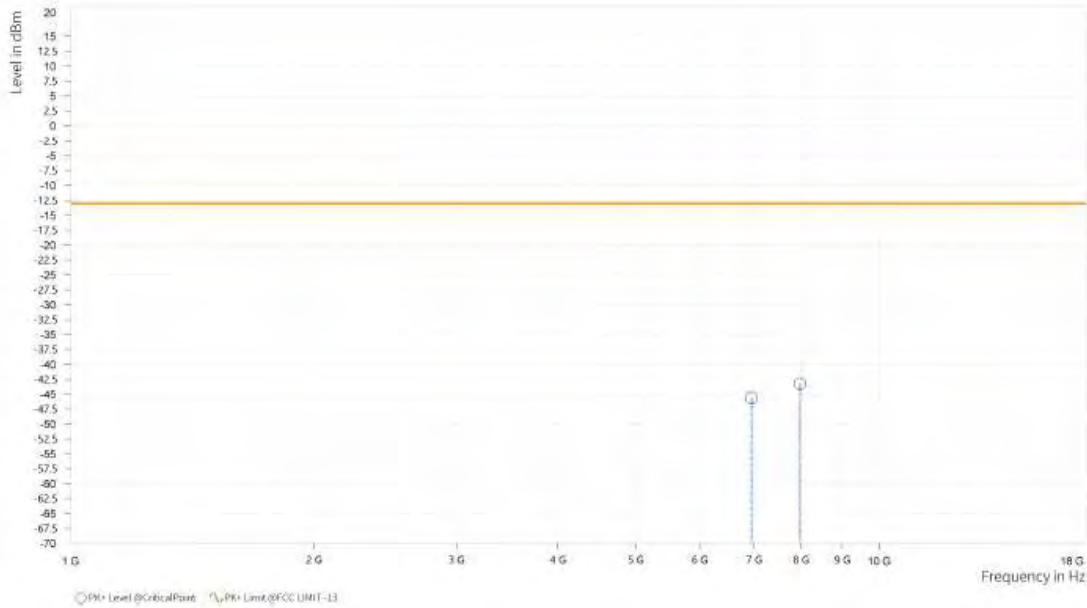




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,952.500	-45.58	-13.00	32.58	30.41	V	359	2
5	7,978.000	-43.23	-13.00	30.23	33.29	V	89	2





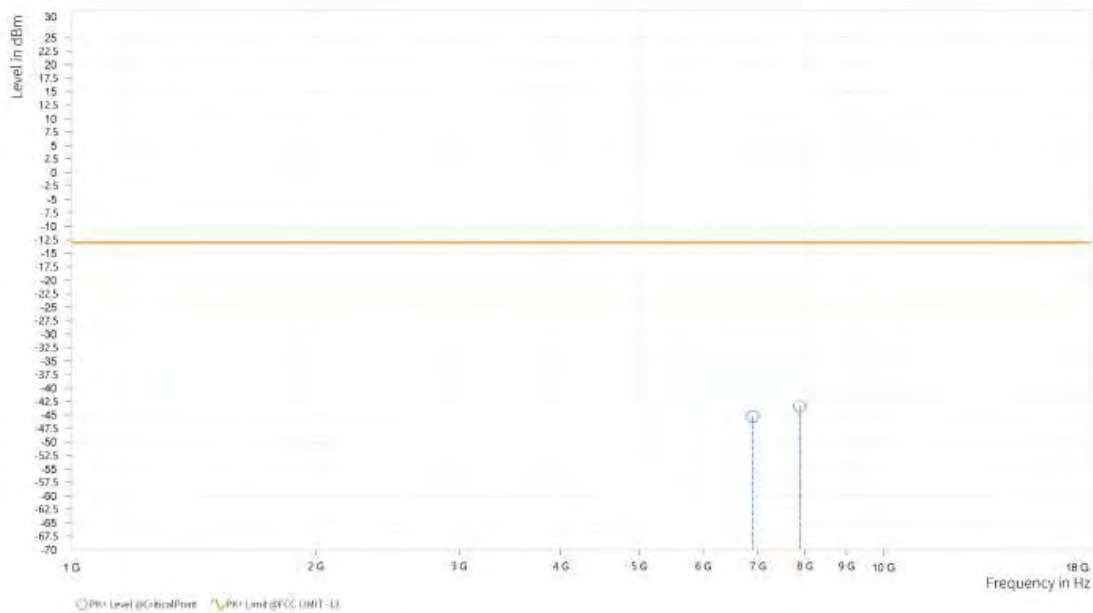
Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 60MHz / QPSK

CH632000

MODE	TX channel 632000	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]
5	6,902.500	-45.26	-13.00	32.26	30.68	H	47.2	2
5	7,887.500	-43.40	-13.00	30.40	33.01	H	1	1

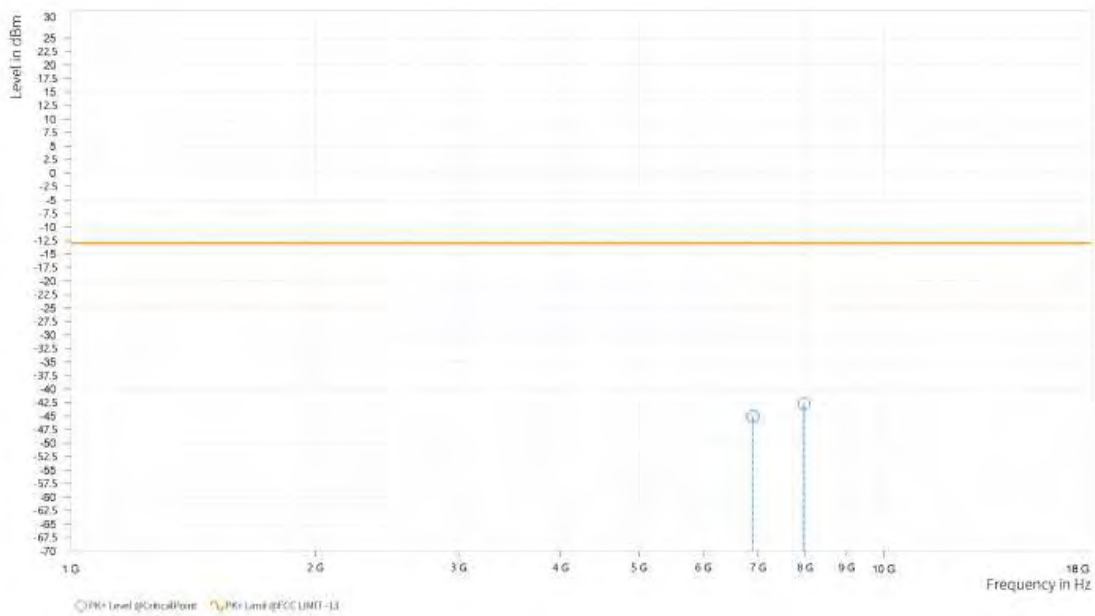




Test Report No.: W7L-P23100014RF12

MODE	TX channel 632000	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]
5	6,902.000	-45.08	-13.00	32.08	30.80	V	359.1	1
5	7,978.500	-42.72	-13.00	29.72	33.29	V	359.1	1



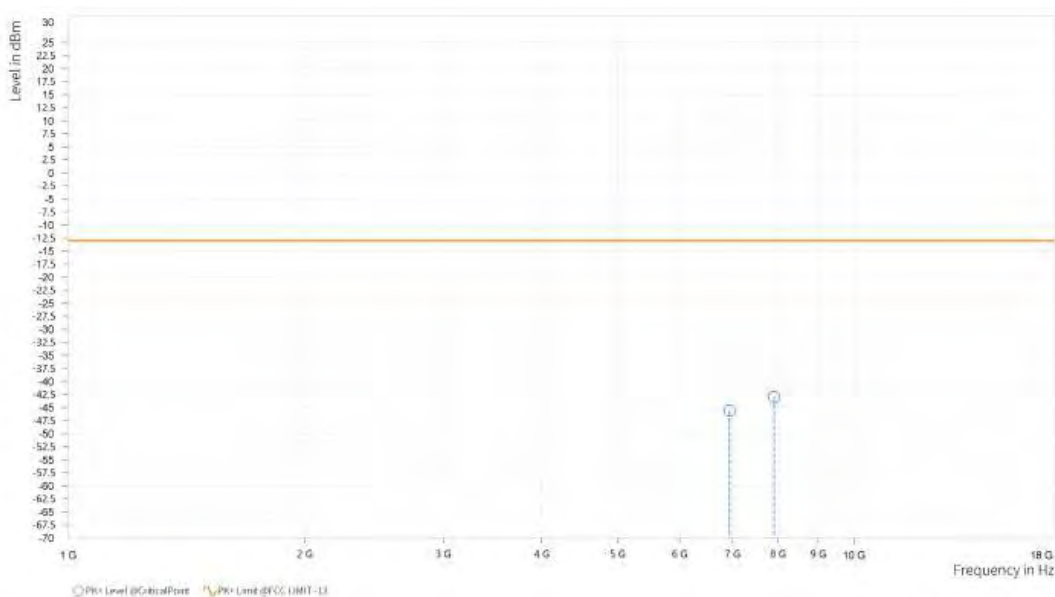


Test Report No.: W7L-P23100014RF12

CH633334

MODE	TX channel 633334	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]
5	6,941.500	-45.58	-13.00	32.58	30.35	H	0.9	2
5	7,913.000	-43.02	-13.00	30.02	33.01	H	359	2

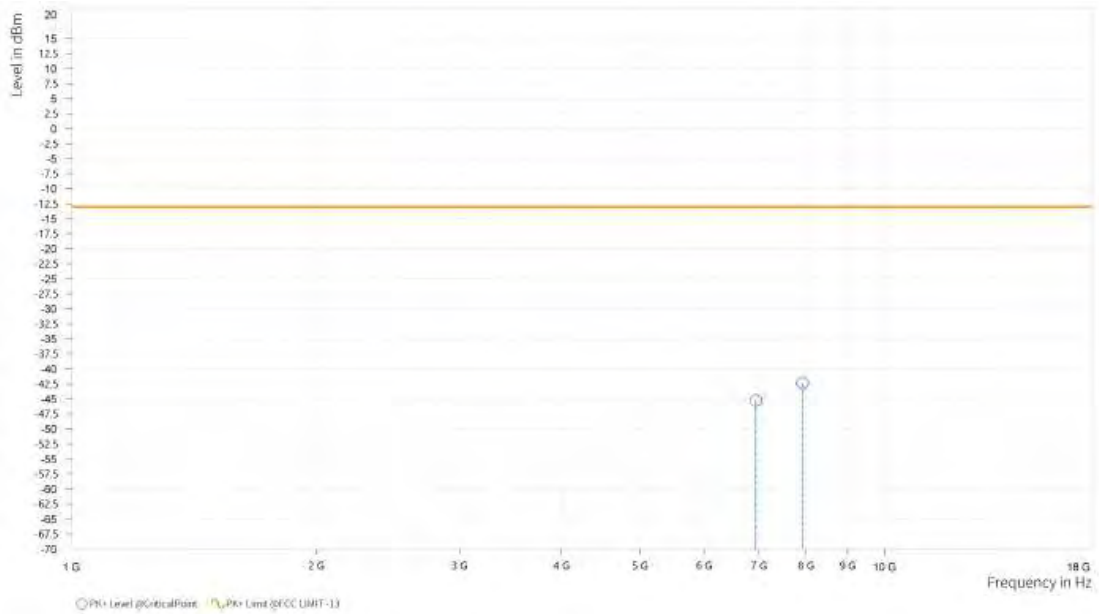




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,942.000	-45.26	-13.00	32.26	30.54	V	270.9	1
5	7,925.500	-42.37	-13.00	29.37	33.14	V	270.9	1



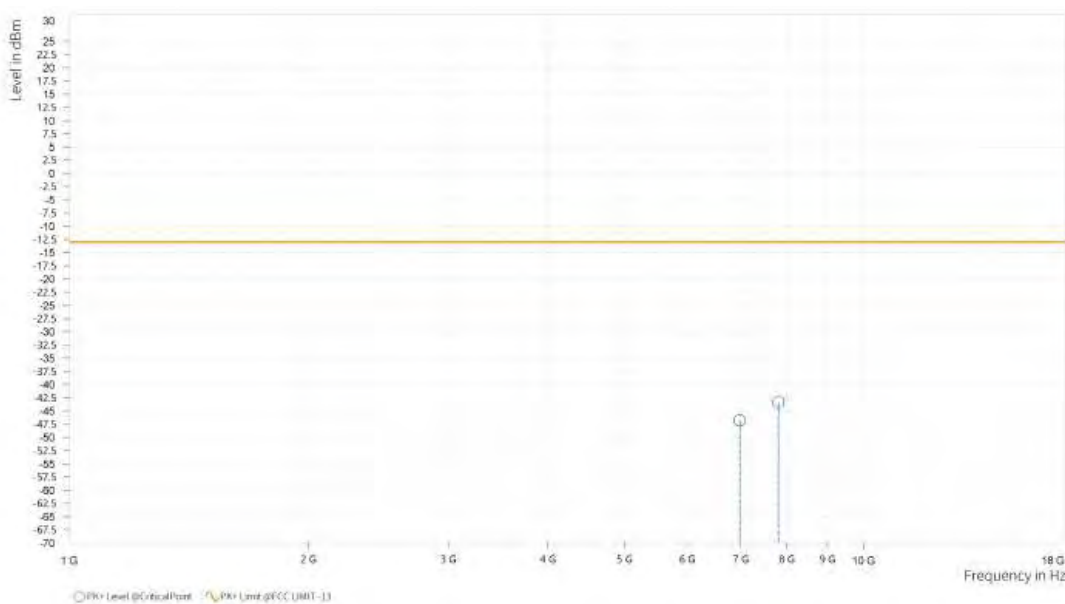


Test Report No.: W7L-P23100014RF12

CH634666

MODE	TX channel 634666	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]
5	6,981.000	-46.78	-13.00	33.78	30.22	H	86.6	2
5	7,813.000	-43.34	-13.00	30.34	32.94	H	86.6	2

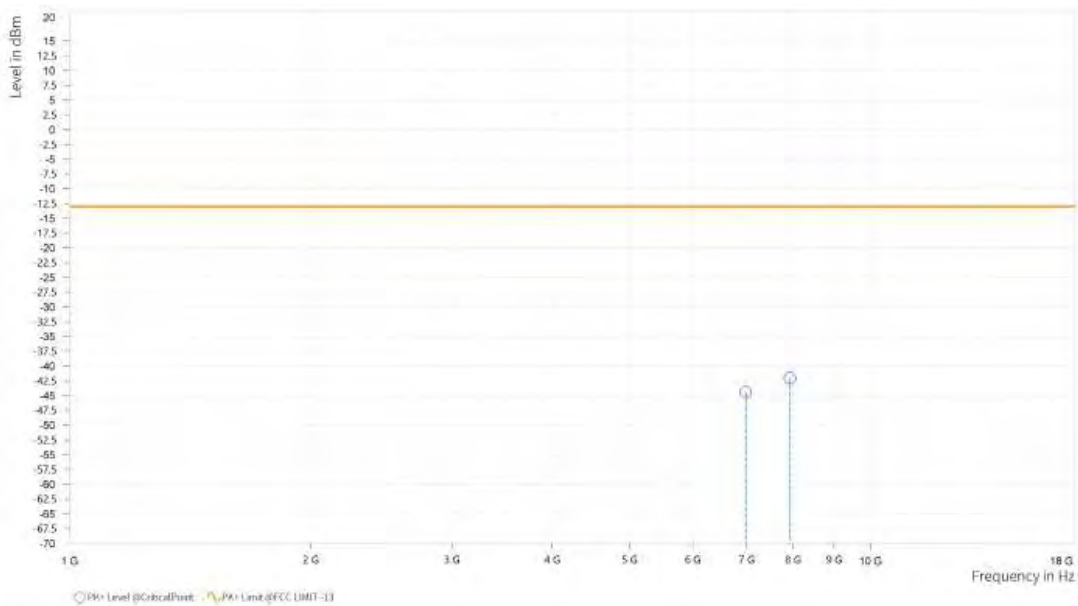




Test Report No.: W7L-P23100014RF12

MODE	TX channel 634666	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]
5	6,981.500	-44.44	-13.00	31.44	30.34	V	1	1
5	7,934.000	-42.04	-13.00	29.04	33.17	V	1	1



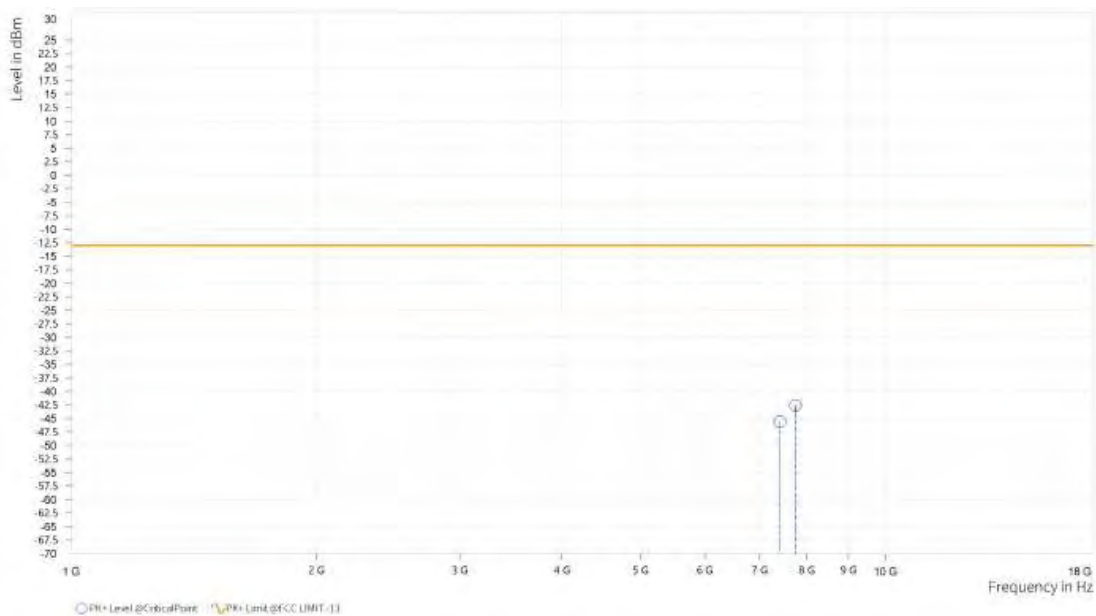


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 80MHz / QPSK

MODE	TX channel 633334	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]
5	7,417.000	-45.63	-13.00	32.63	31.58	H	87.8	2
5	7,751.500	-42.59	-13.00	29.59	32.83	H	272.2	1

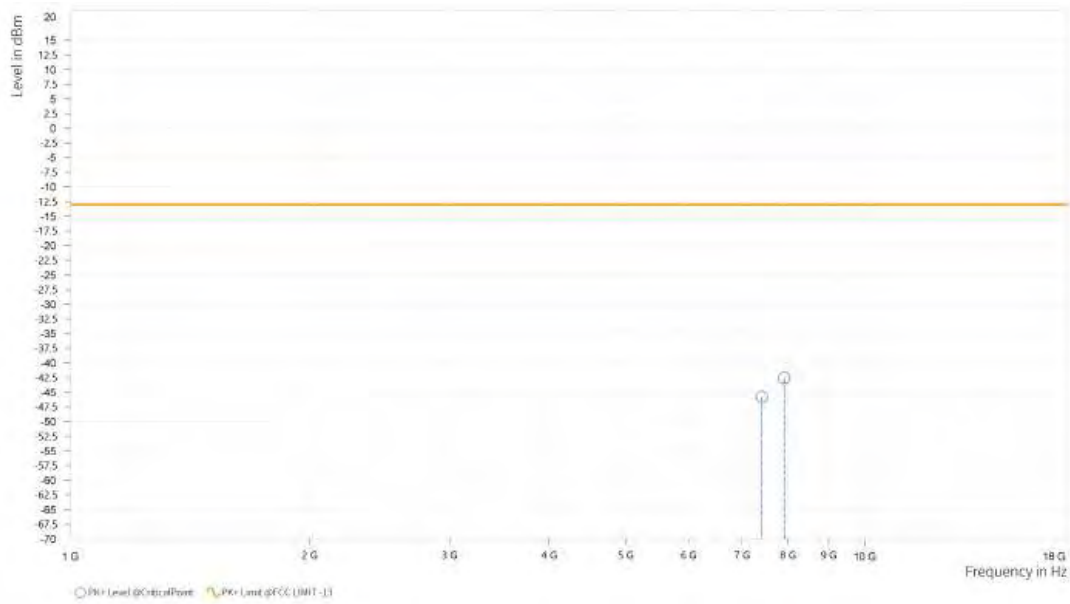




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	7,419.500	-45.80	-13.00	32.80	31.73	V	272.2	1
5	7,915.500	-42.53	-13.00	29.53	33.11	V	272.2	1



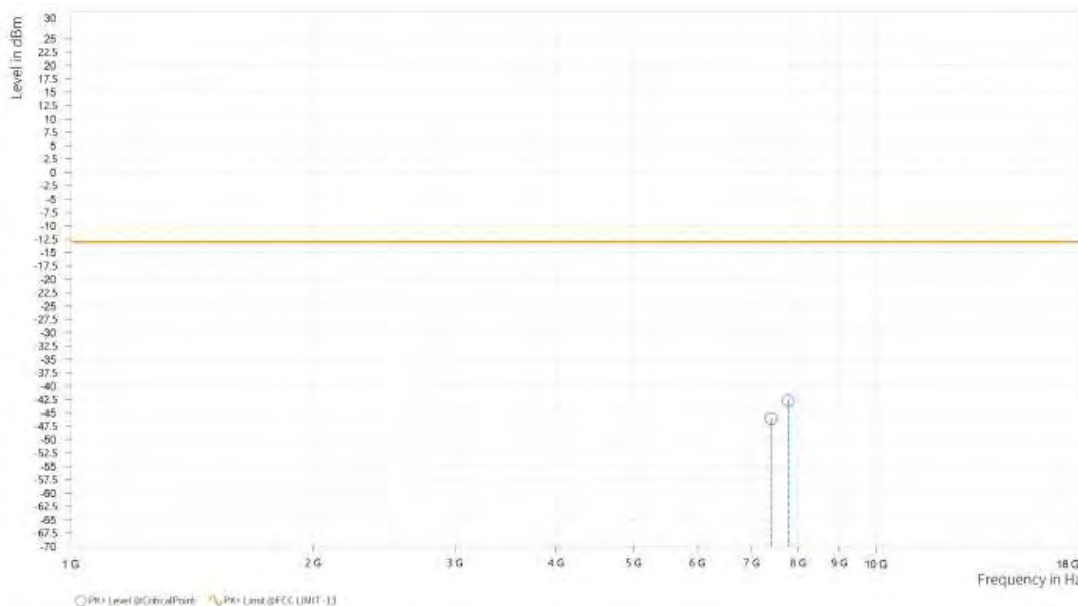


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 90MHz / QPSK

MODE	TX channel 633334	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]
5	7,409.000	-46.08	-13.00	33.08	31.57	H	89	2
5	7,778.500	-42.75	-13.00	29.75	32.86	H	0.9	2

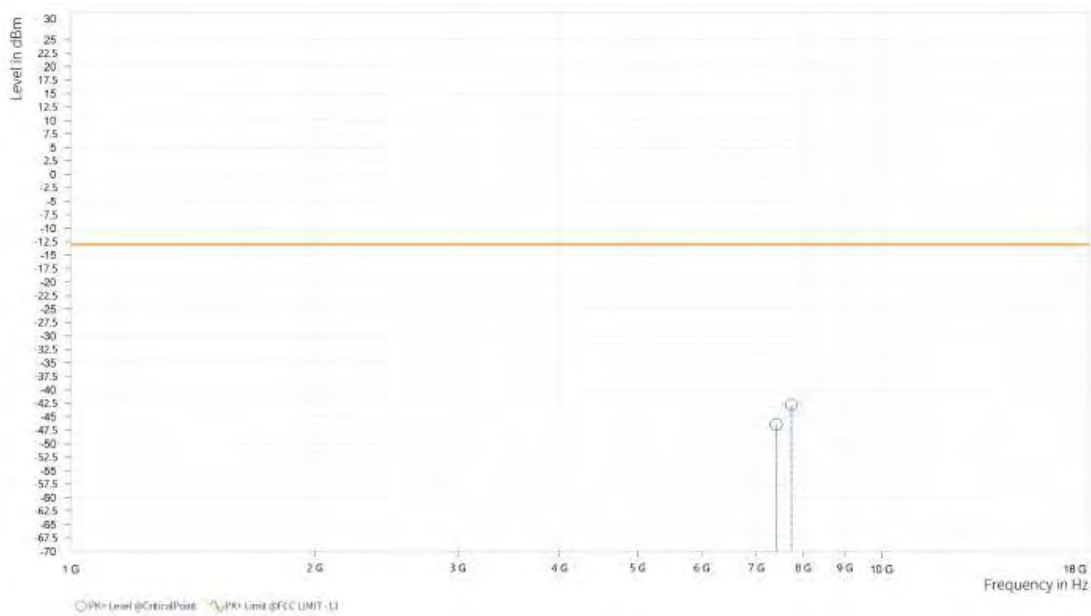




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	7,411.500	-46.45	-13.00	33.45	30.42	V	359	2
5	7,734.500	-42.81	-13.00	29.81	33.03	V	1	1



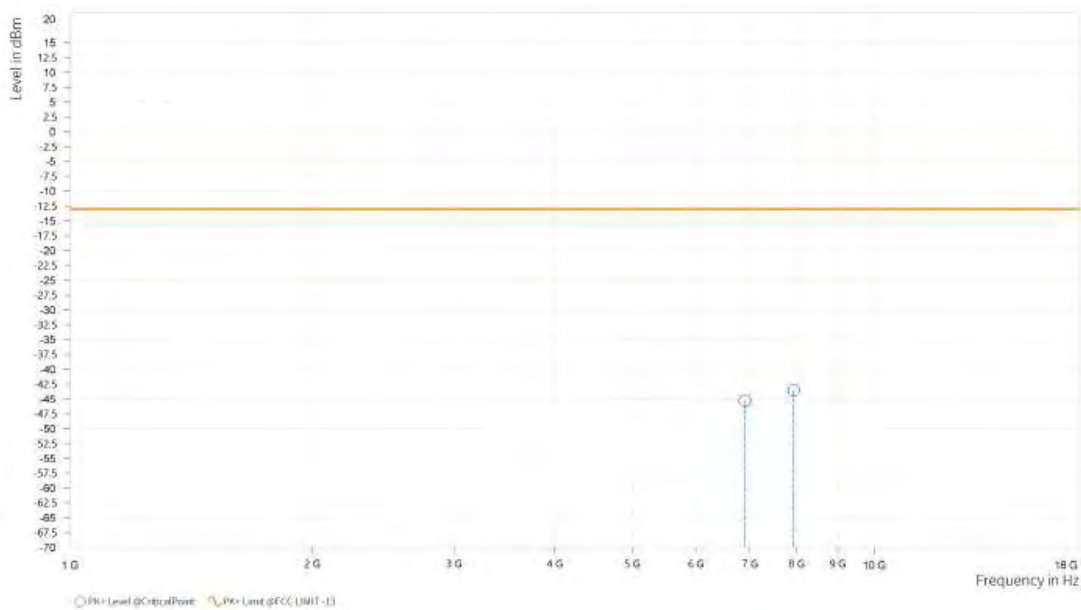


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 100MHz / QPSK

MODE	TX channel 633334	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]
5	6,902.000	-45.30	-13.00	32.30	30.69	H	49.7	2
5	7,938.000	-43.55	-13.00	30.55	32.99	H	1	2

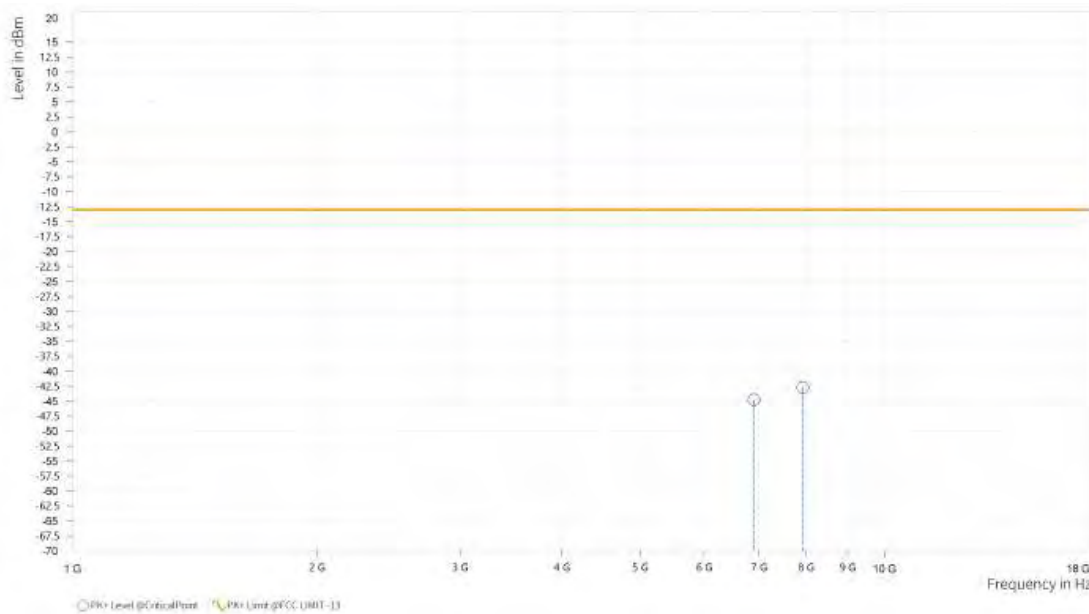




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,902.500	-44.77	-13.00	31.77	30.80	V	359	1
5	7,925.500	-42.68	-13.00	29.68	33.14	V	359	2





Test Report No.: W7L-P23100014RF12

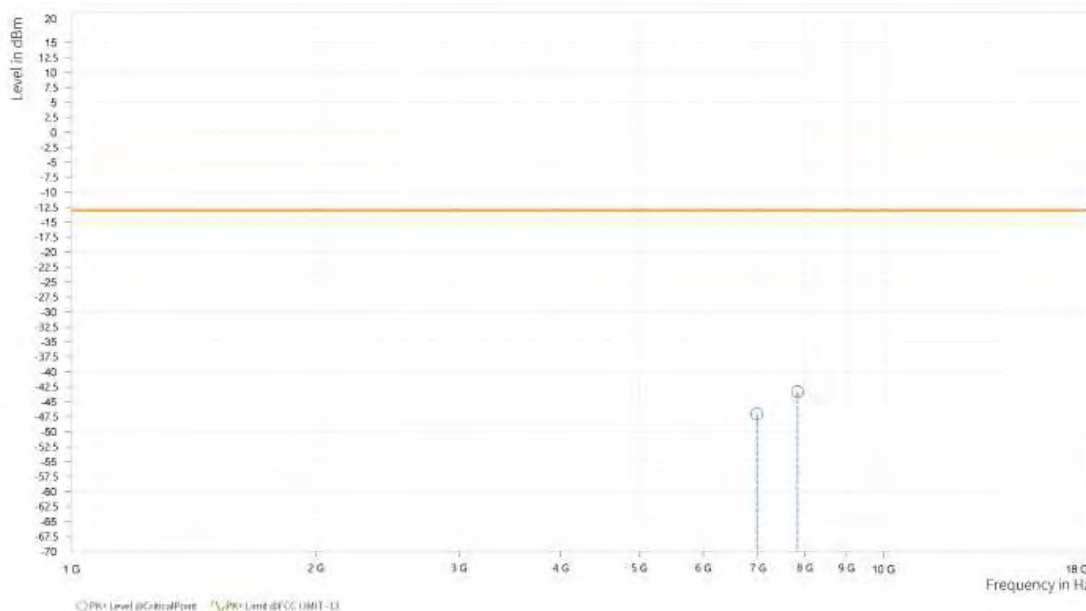
N78 (Part 27Q): SRS-4 (ANT 5)

Note: For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

CHANNEL BANDWIDTH: 20MHz / QPSK

MODE	TX channel 633334	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]
5	6,982.000	-47.04	-13.00	34.04	30.22	H	86.6	2
5	7,836.500	-43.28	-13.00	30.28	32.97	H	1	1

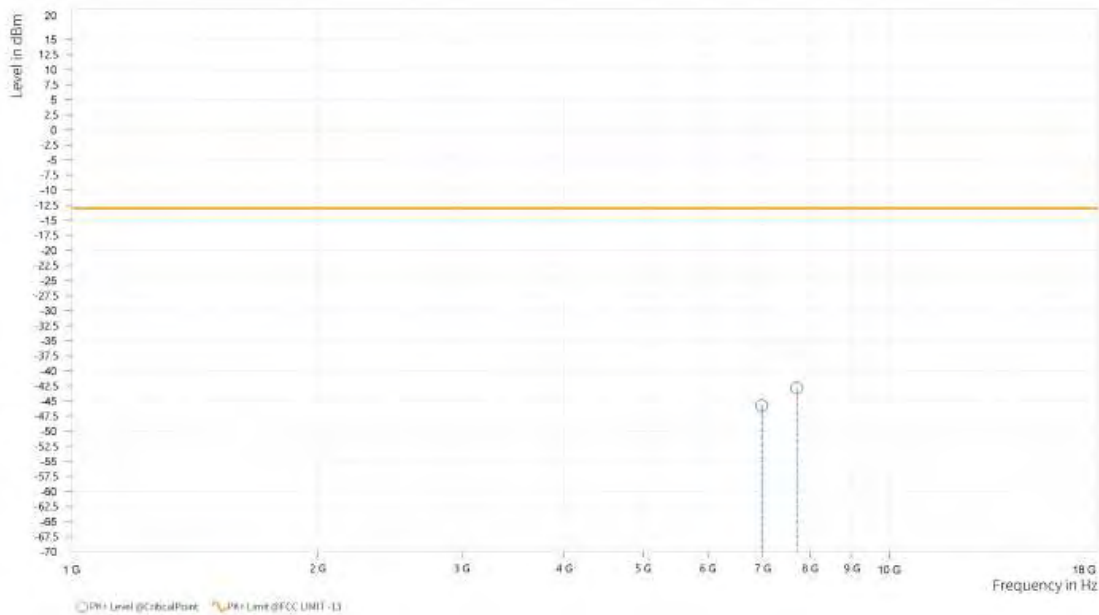




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,982.000	-45.76	-13.00	32.76	30.34	V	359	2
5	7,708.000	-42.86	-13.00	29.86	32.92	V	85.4	2



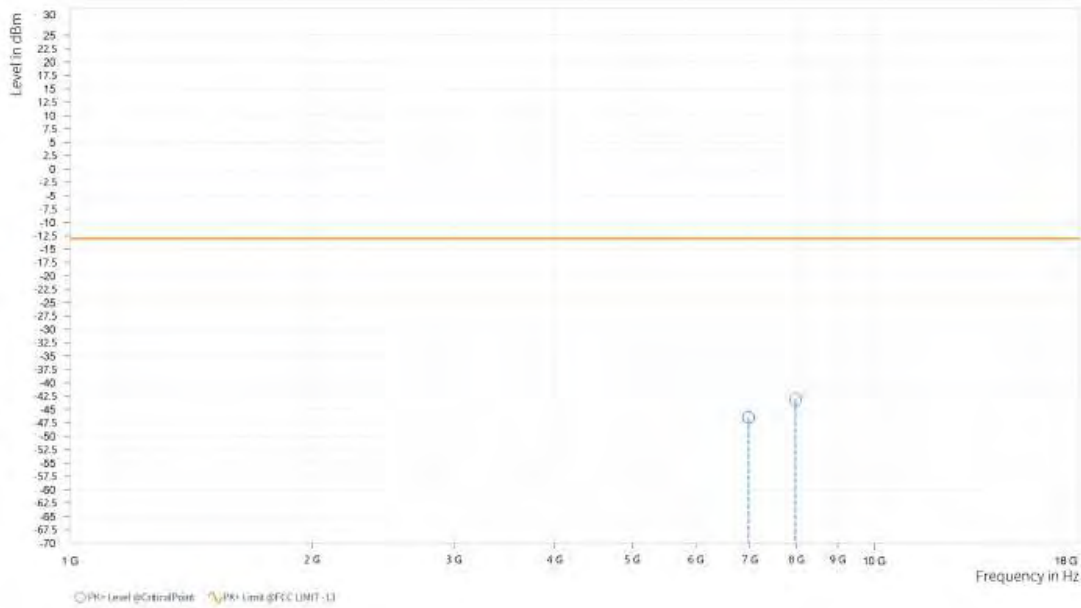


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 30MHz / QPSK

MODE	TX channel 633334	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]
5	6,972.000	-46.54	-13.00	33.54	30.19	H	84.3	2
5	7,978.500	-43.11	-13.00	30.11	33.02	H	1	2

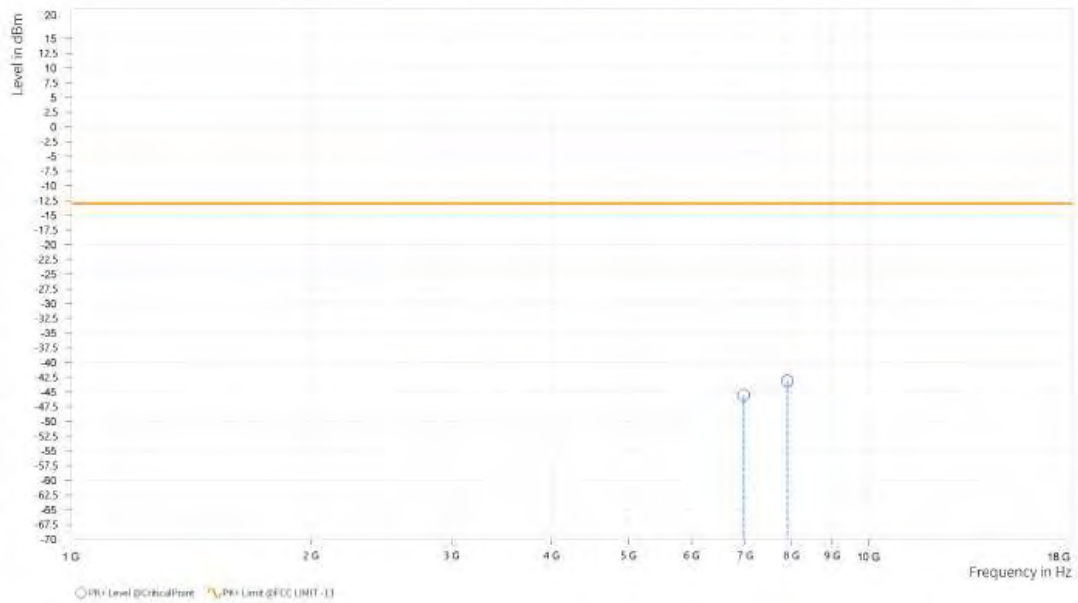




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,972.500	-45.51	-13.00	32.51	30.33	V	1	1
5	7,909.000	-43.11	-13.00	30.11	33.09	V	359	2



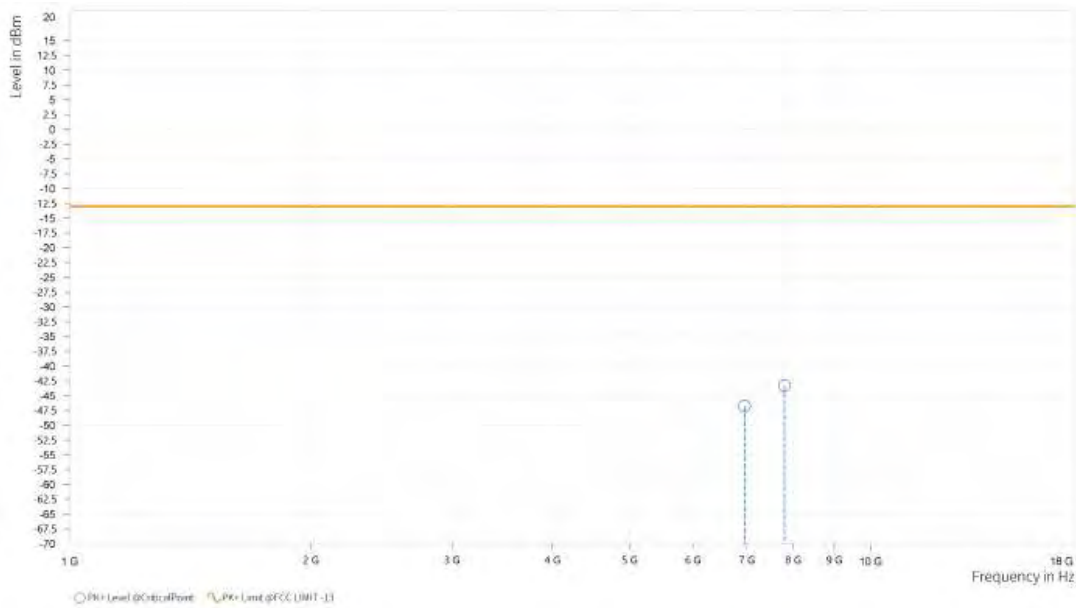


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 40MHz / QPSK

MODE	TX channel 633334	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]
5	6,960.500	-46.78	-13.00	33.78	30.16	H	359	2
5	7,808.000	-43.35	-13.00	30.35	32.93	H	359.1	1

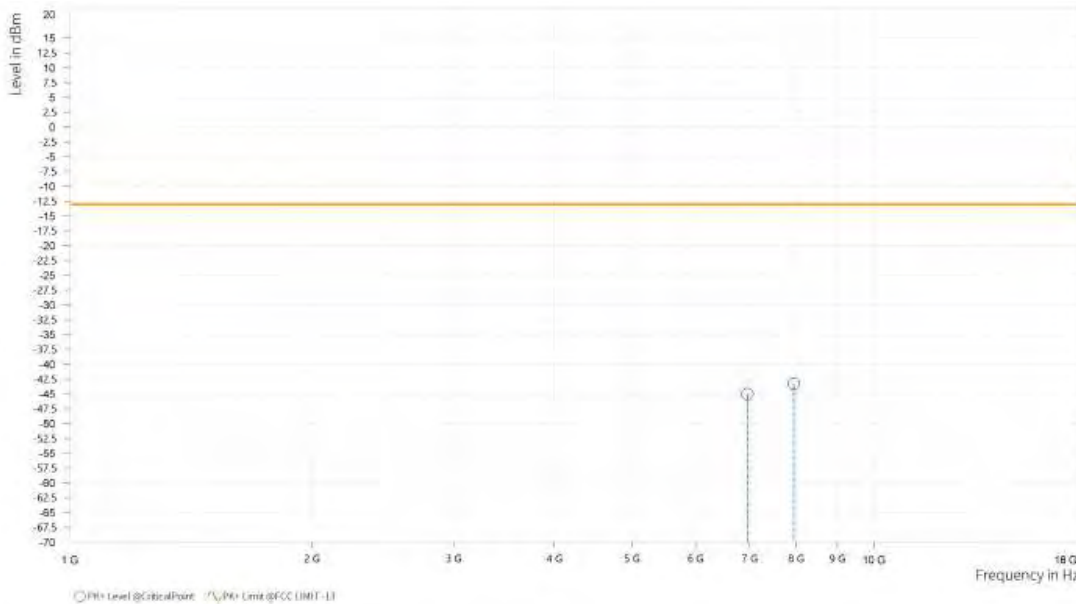




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,962.000	-45.05	-13.00	32.05	30.32	V	1	1
5	7,948.500	-43.25	-13.00	30.25	33.21	V	274.6	1



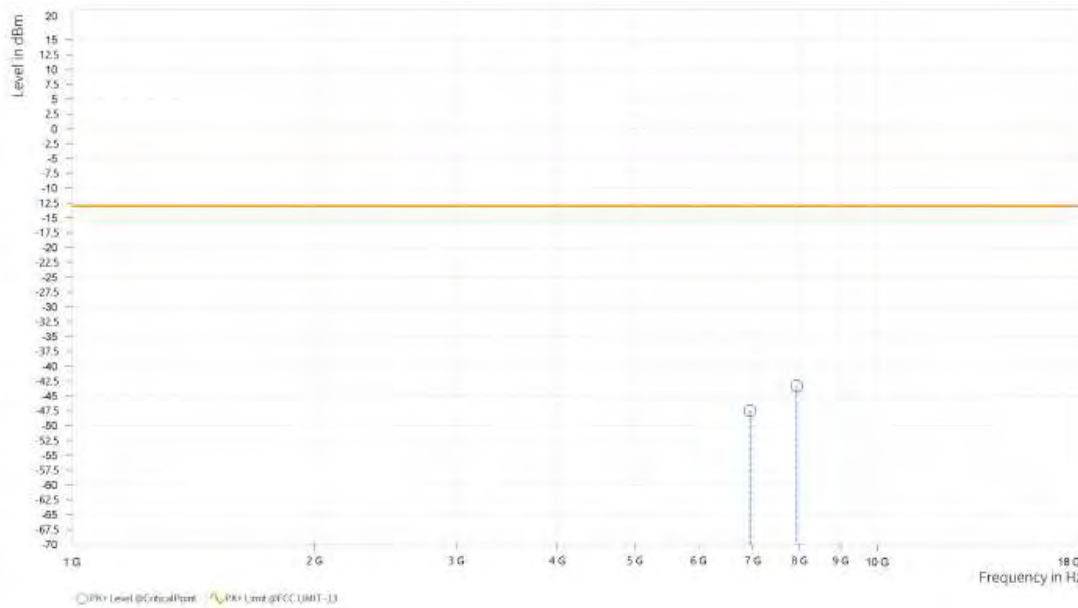


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 50MHz / QPSK

MODE	TX channel 633334	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]
5	6,952.500	-47.52	-13.00	34.52	30.23	H	0.9	2
5	7,942.500	-43.33	-13.00	30.33	32.99	H	84.3	2

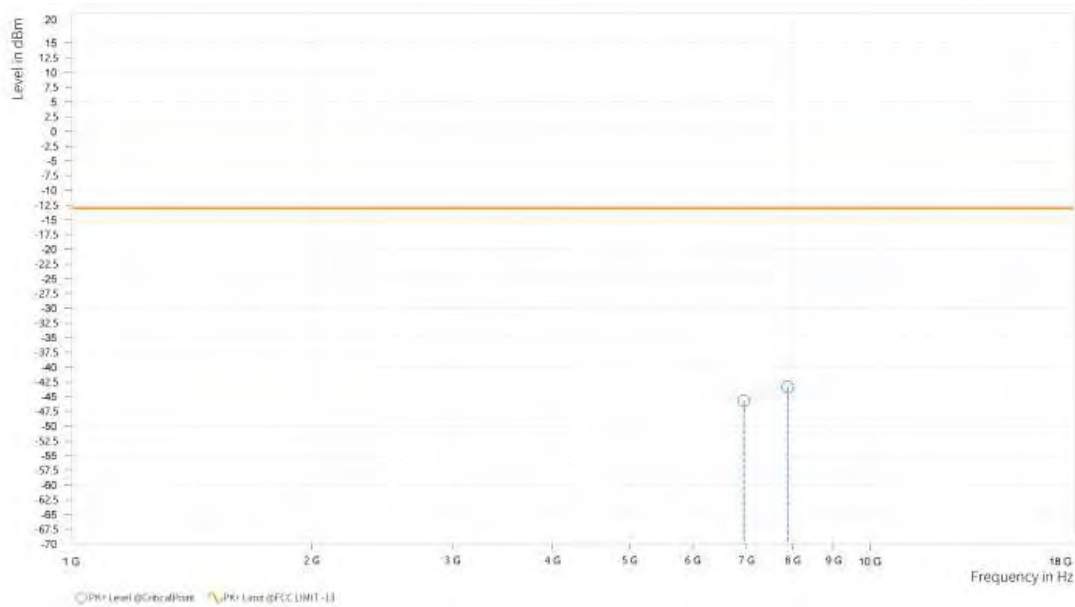




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,952.000	-45.72	-13.00	32.72	30.42	V	359.1	1
5	7,885.500	-43.38	-13.00	30.38	33.04	V	81.9	2



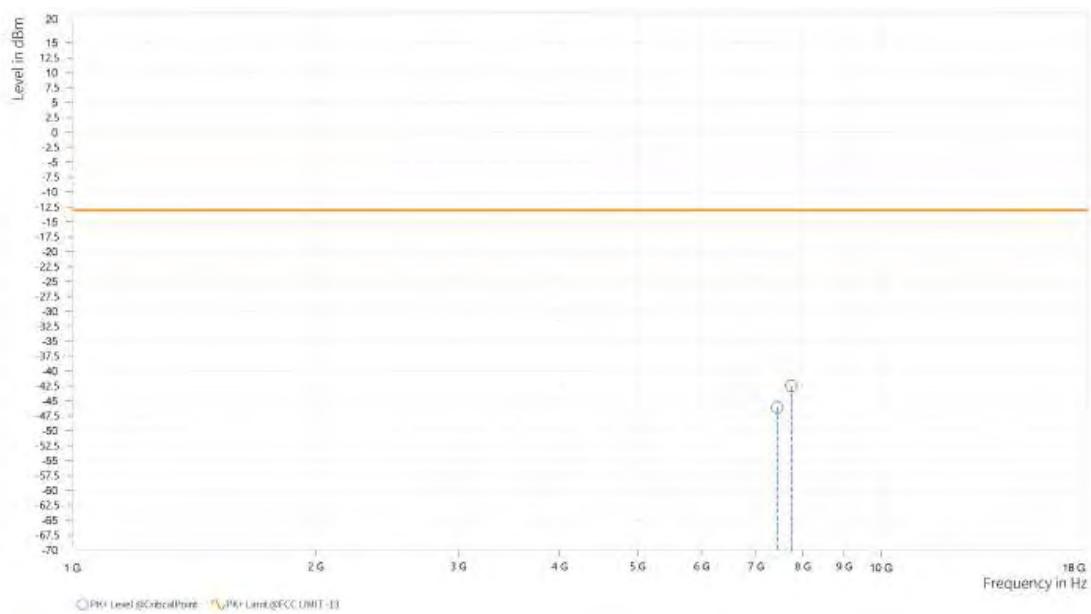


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 60MHz / QPSK

MODE	TX channel 633334	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]
5	7,441.500	-46.09	-13.00	33.09	31.60	H	359.1	1
5	7,746.000	-42.51	-13.00	29.51	32.83	H	359.1	1

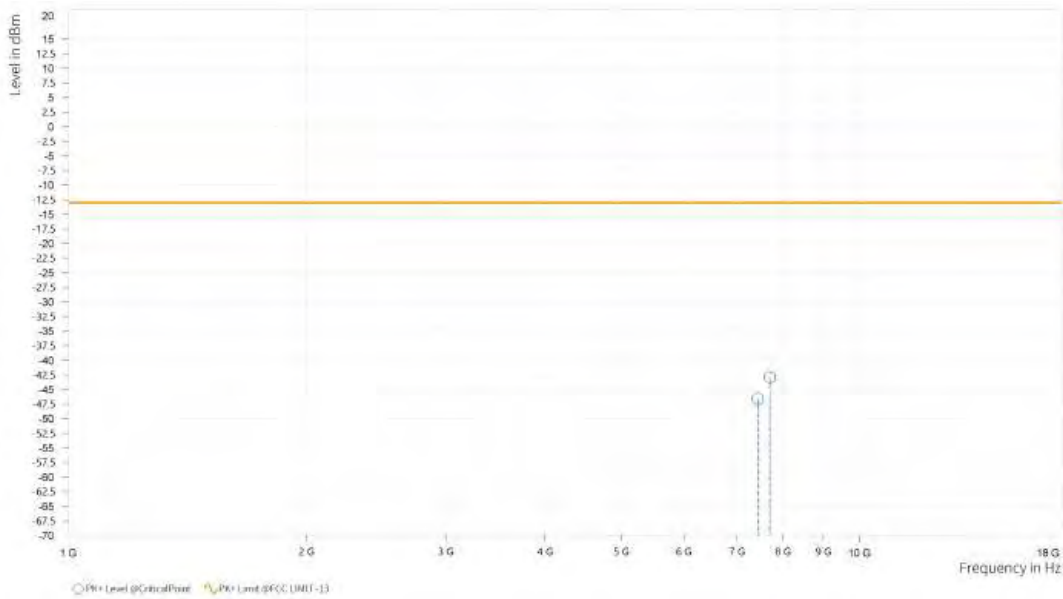




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	7,440.000	-46.58	-13.00	33.58	31.74	V	359	2
5	7,699.000	-42.93	-13.00	29.93	32.88	V	1	2



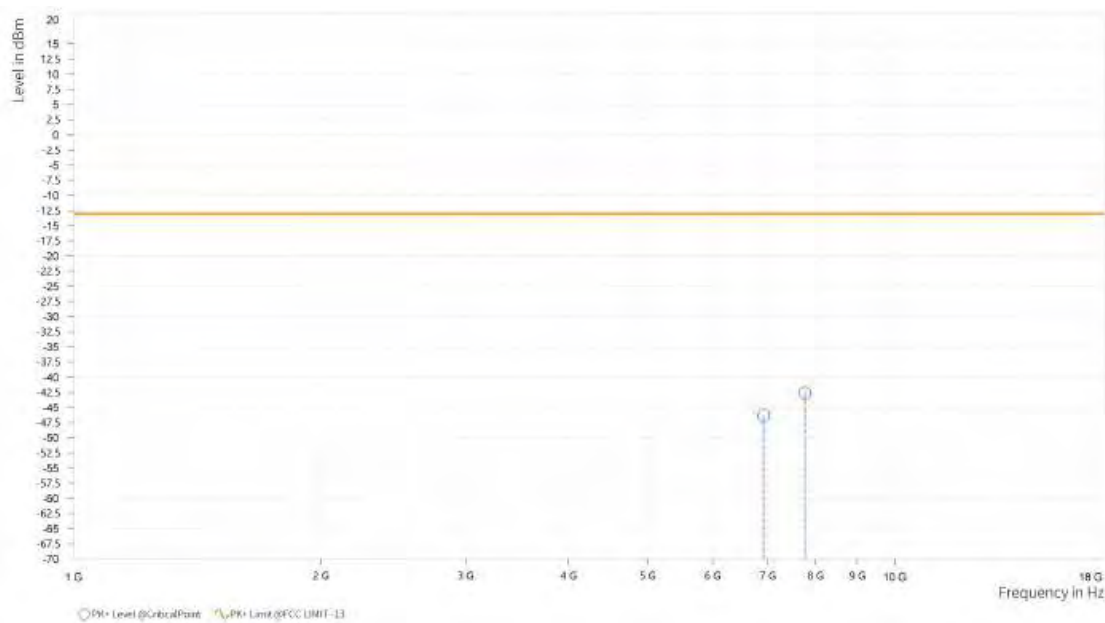


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 80MHz / QPSK

MODE	TX channel 633334	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]
5	6,921.500	-46.32	-13.00	33.32	30.52	H	85.4	2
5	7,771.000	-42.63	-13.00	29.63	32.85	H	85.4	2

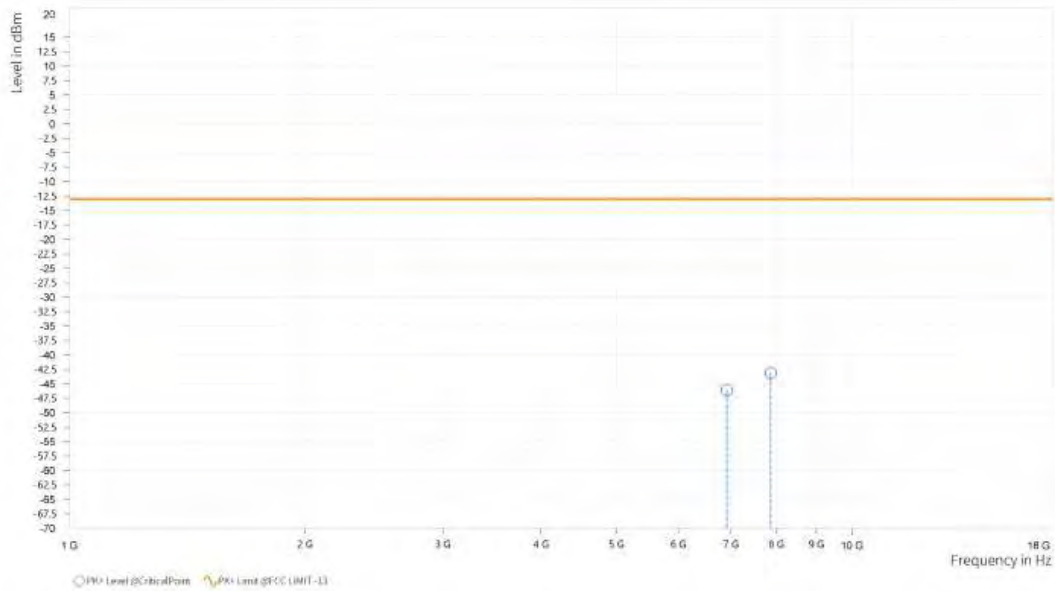




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,922.000	-46.10	-13.00	33.10	30.69	V	359	2
5	7,873.000	-43.15	-13.00	30.15	33.05	V	359.1	1





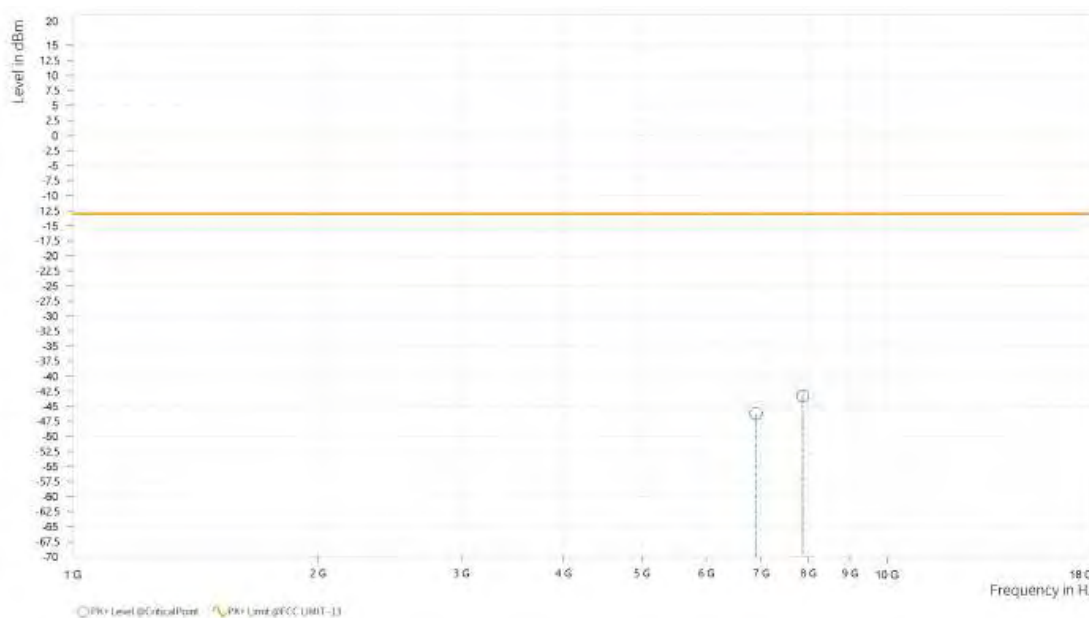
Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 90MHz / QPSK

CH633000

MODE	TX channel 633000	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]
5	6,900.500	-46.23	-13.00	33.23	30.70	H	359.1	1
5	7,878.500	-43.29	-13.00	30.29	33.00	H	359	2

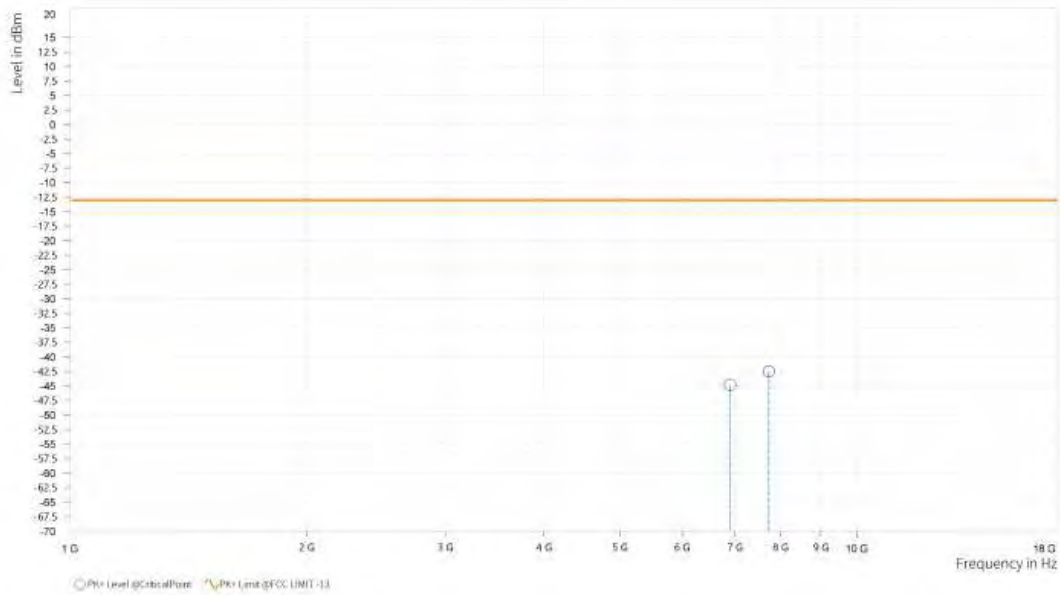




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633000	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]
5	6,901.500	-44.81	-13.00	31.81	30.80	V	359.1	1
5	7,729.500	-42.46	-13.00	29.46	33.01	V	0.9	2



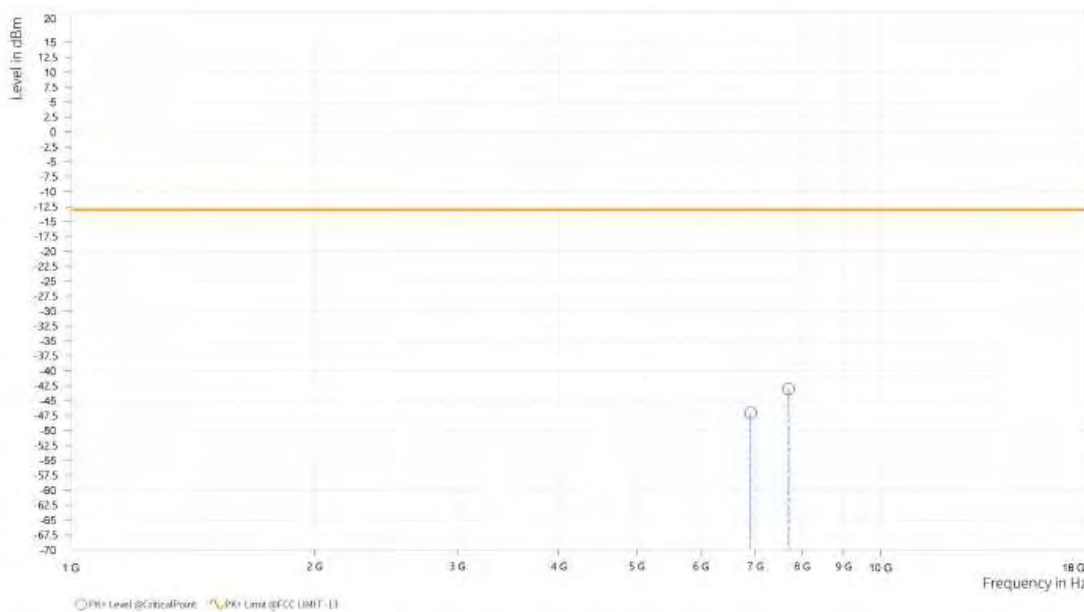


Test Report No.: W7L-P23100014RF12

CH633334

MODE	TX channel 633334	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]
5	6,911.500	-47.09	-13.00	34.09	30.61	H	84.3	2
5	7,698.500	-43.08	-13.00	30.08	32.73	H	359	2

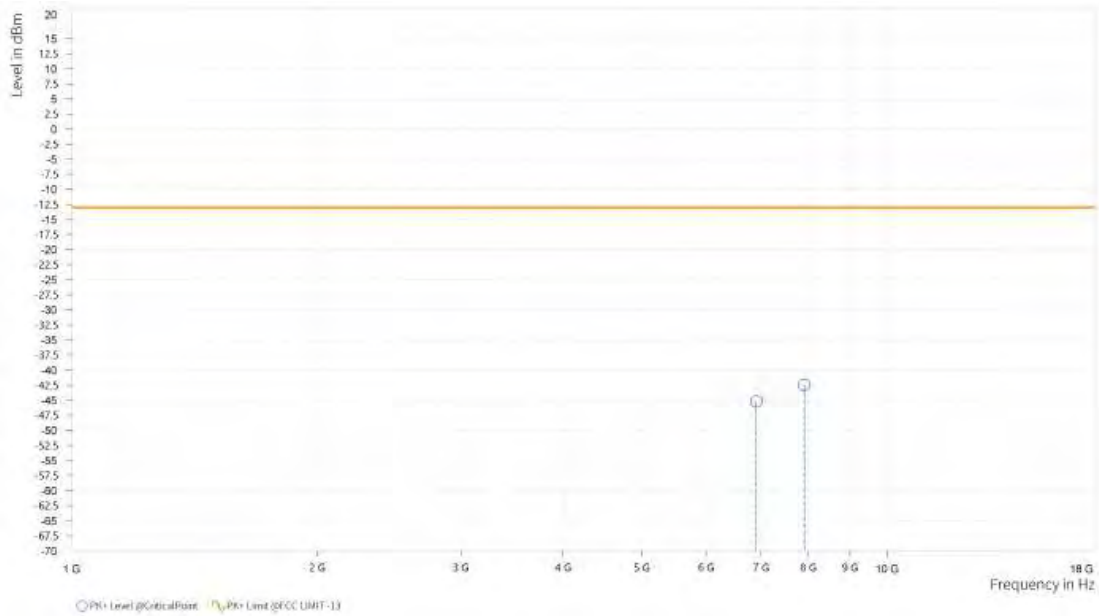




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,913.000	-45.21	-13.00	32.21	30.74	V	1	1
5	7,914.000	-42.45	-13.00	29.45	33.11	V	1	2



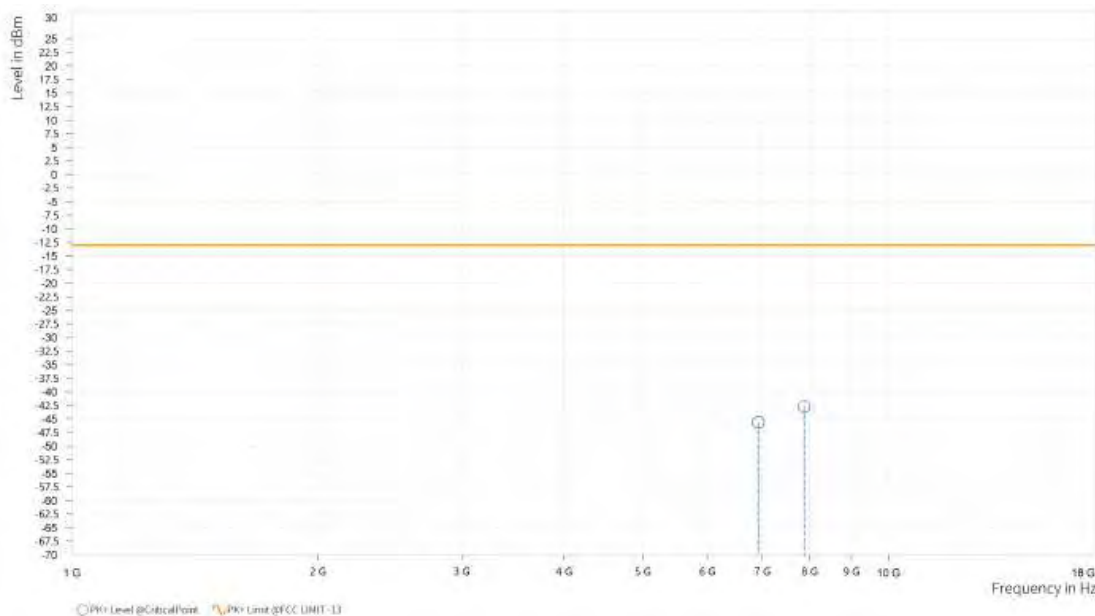


Test Report No.: W7L-P23100014RF12

CH633666

MODE	TX channel 633666	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]
5	6,924.000	-45.66	-13.00	32.66	30.50	H	359	2
5	7,879.000	-42.73	-13.00	29.73	33.00	H	282.9	1

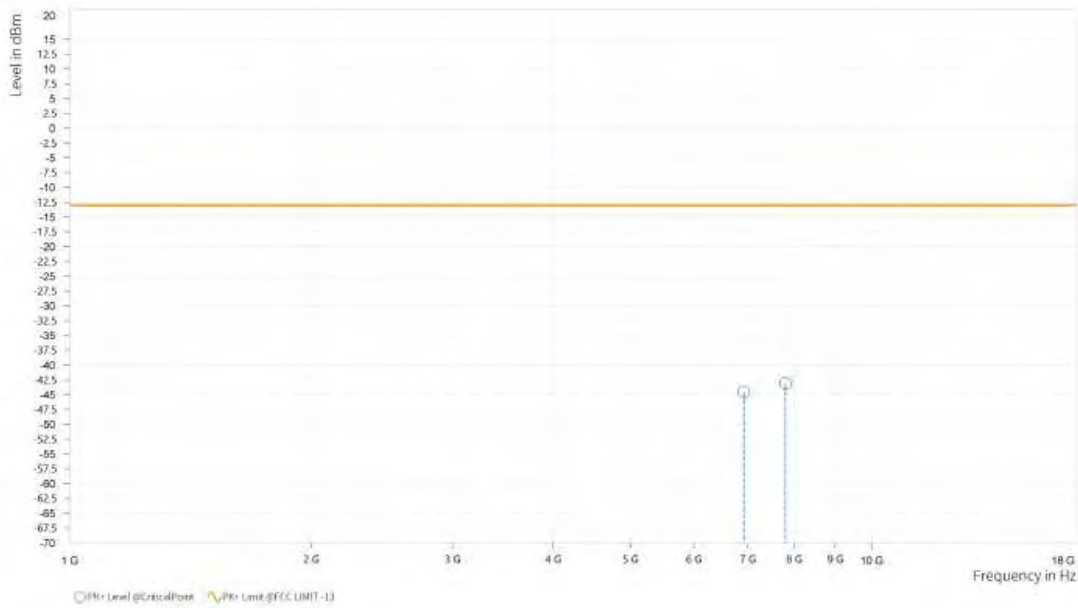




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633666	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]
5	6,922.500	-44.51	-13.00	31.51	30.69	V	1	1
5	7,798.500	-43.13	-13.00	30.13	33.05	V	1	1



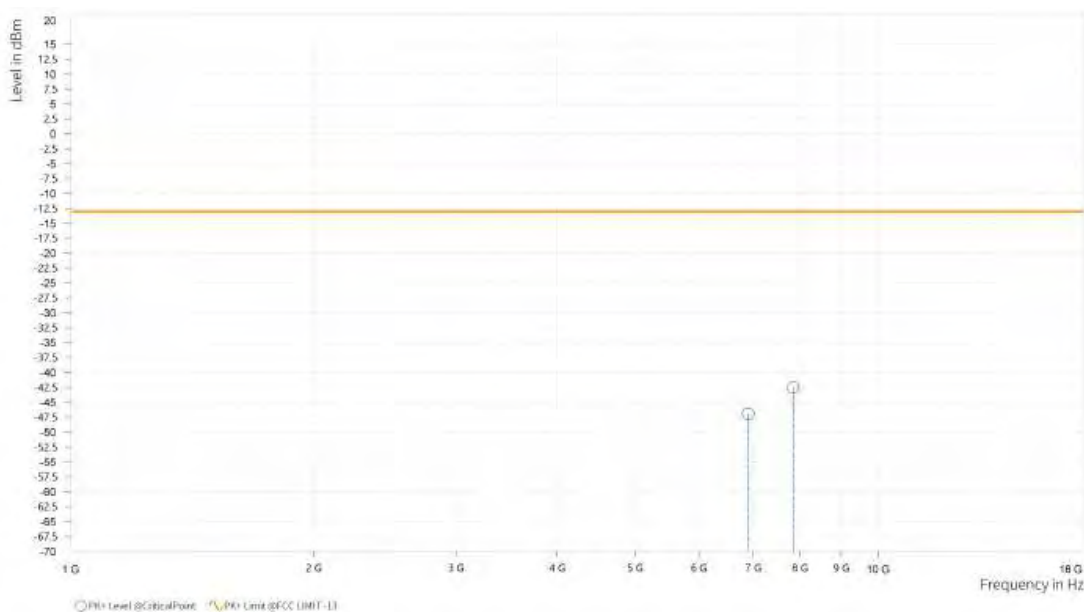


Test Report No.: W7L-P23100014RF12

CHANNEL BANDWIDTH: 100MHz / QPSK

MODE	TX channel 633334	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]
5	6,901.500	-46.91	-13.00	33.91	30.69	H	1	1
5	7,851.500	-42.51	-13.00	29.51	32.98	H	280.6	1

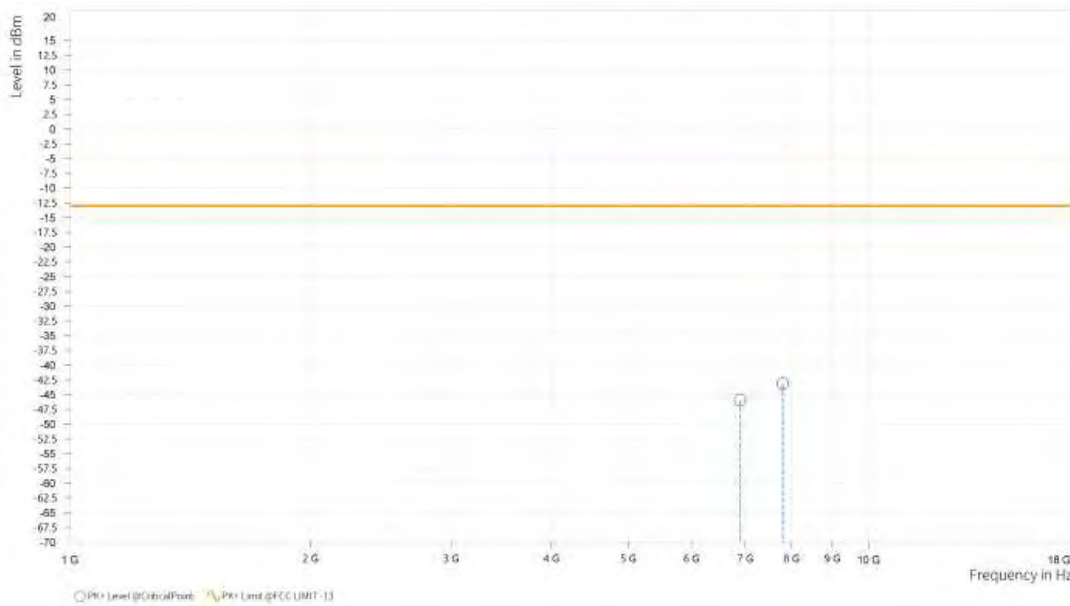




Test Report No.: W7L-P23100014RF12

MODE	TX channel 633334	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]
5	6,902.000	-45.85	-13.00	32.85	30.80	V	1	1
5	7,807.000	-43.13	-13.00	30.13	33.06	V	359	2

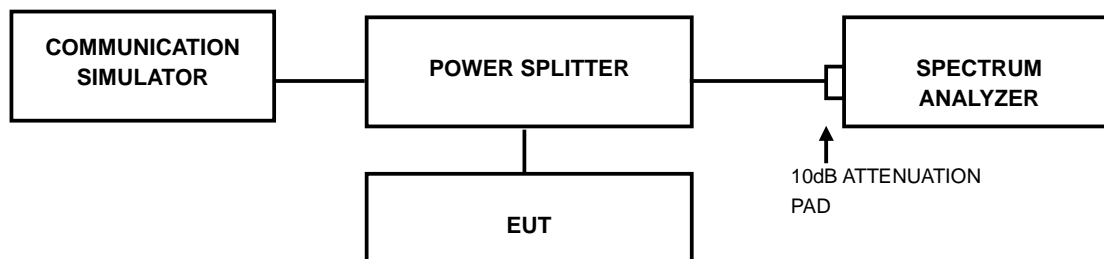


3.7 PEAK TO AVERAGE RATIO

3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

3.7.2 TEST SETUP



3.7.3 TEST PROCEDURES

1. Set resolution/measurement bandwidth \geq signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.



Test Report No.: W7L-P23100014RF12

3.7.4 TEST RESULTS

Please Refer to Appendix Of this test report.



Test Report No.: W7L-P23100014RF12

4 INFORMATION ON THE TESTING LABORATORIES

We, BV 7LAYERS COMMUNICATIONS TECHNOLOGY (SHENZHEN) CO. LTD., were founded in 2015 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Shenzhen EMC/RF Lab:

Tel: +86-755-88696566

Fax: +86-755-88696577

Email: customerservice.sw@bureauveritas.com

Web Site: www.adt.com.tw

The address and road map of all our labs can be found in our web site also.



Test Report No.: W7L-P23100014RF12

5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.



Test Report No.: W7L-P23100014RF12

6 Appendix

N25 (including N2)

Peak-to-Average Ratio(CCDF)

Test Result

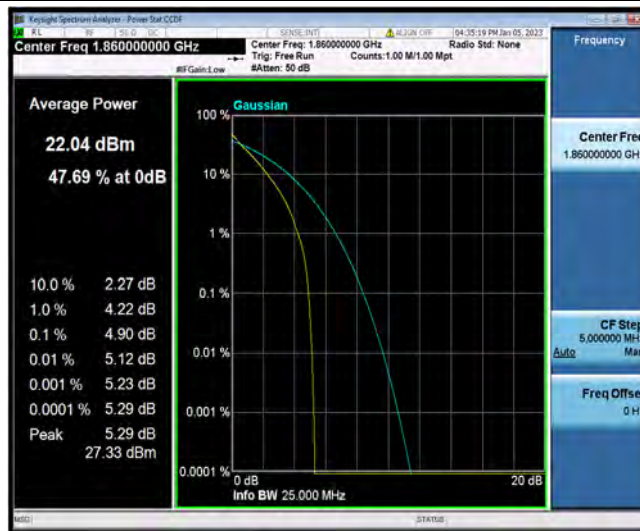
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
N25	20MHz	QPSK	372000	1RB#0	4.17	13	PASS
N25	20MHz	QPSK	372000	100RB#0	4.90	13	PASS
N25	20MHz	QPSK	376500	1RB#0	4.01	13	PASS
N25	20MHz	QPSK	376500	100RB#0	4.97	13	PASS
N25	20MHz	QPSK	381000	1RB#0	4.52	13	PASS
N25	20MHz	QPSK	381000	100RB#0	4.83	13	PASS

Test Graphs

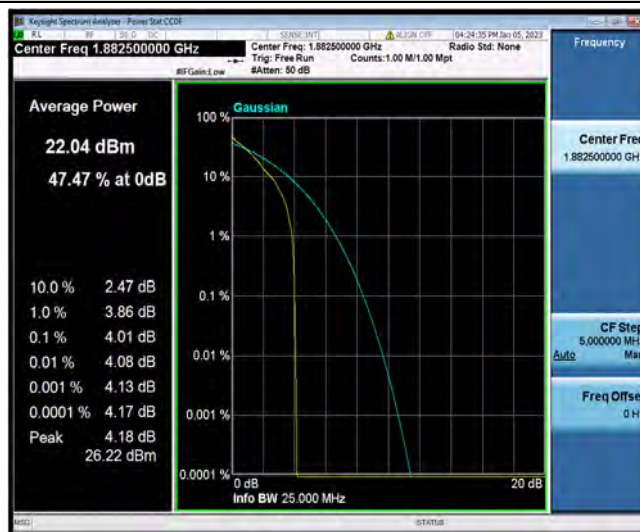
N25-20MHz-QPSK-372000-1RB#0



N25-20MHz-QPSK-372000-100RB#0



N25-20MHz-QPSK-376500-1RB#0



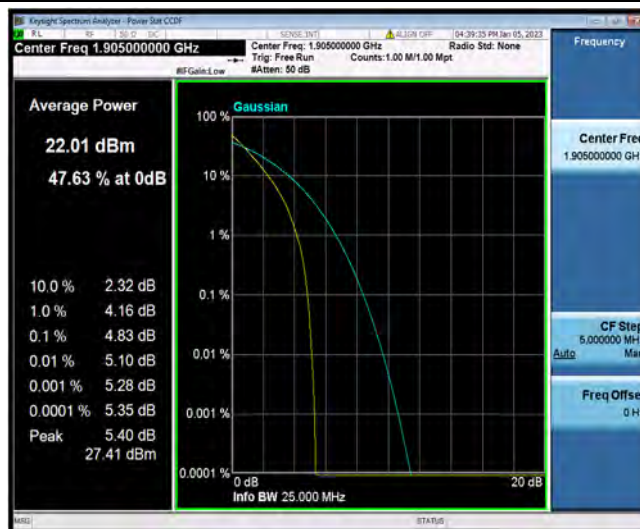
N25-20MHz-QPSK-376500-100RB#0



N25-20MHz-QPSK-381000-1RB#0



N25-20MHz-QPSK-381000-100RB#0



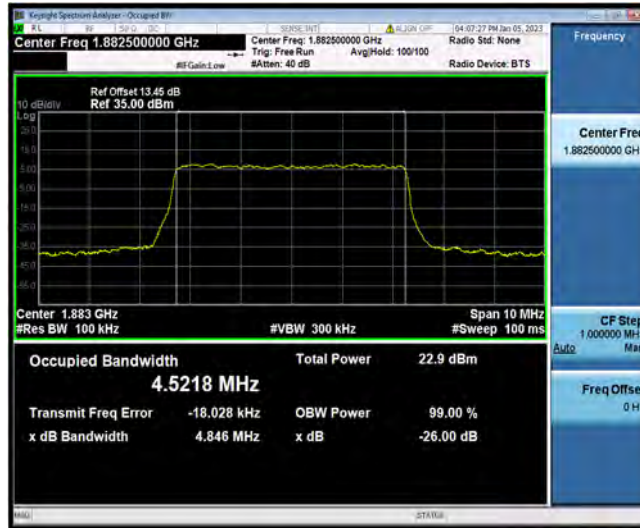
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
N25	5MHz	QPSK	376500	25RB#0	4.5218	4.846	PASS
N25	5MHz	16QAM	376500	25RB#0	4.5042	4.856	PASS
N25	5MHz	64QAM	376500	25RB#0	4.4869	4.802	PASS
N25	5MHz	256QAM	376500	25RB#0	4.5084	4.855	PASS
N25	5MHz	BPSK	376500	25RB#0	4.4913	4.826	PASS
N25	10MHz	QPSK	376500	50RB#0	8.9803	9.489	PASS
N25	10MHz	16QAM	376500	50RB#0	9.0012	9.519	PASS
N25	10MHz	64QAM	376500	50RB#0	8.9901	9.529	PASS
N25	10MHz	BPSK	376500	50RB#0	8.9843	9.500	PASS
N25	10MHz	256QAM	376500	50RB#0	8.9707	9.491	PASS
N25	15MHz	QPSK	376500	75RB#0	13.470	14.23	PASS
N25	15MHz	16QAM	376500	75RB#0	13.463	14.24	PASS
N25	15MHz	64QAM	376500	75RB#0	13.455	14.22	PASS
N25	15MHz	BPSK	376500	75RB#0	13.459	14.23	PASS
N25	15MHz	256QAM	376500	75RB#0	13.482	14.24	PASS
N25	20MHz	QPSK	376500	100RB#0	17.927	18.94	PASS
N25	20MHz	16QAM	376500	100RB#0	17.921	18.92	PASS
N25	20MHz	64QAM	376500	100RB#0	17.922	18.94	PASS
N25	20MHz	256QAM	376500	100RB#0	17.907	18.92	PASS
N25	20MHz	BPSK	376500	100RB#0	17.906	18.93	PASS
N25	25MHz	QPSK	376500	128RB#0	22.821	23.68	PASS
N25	25MHz	16QAM	376500	128RB#0	22.837	23.68	PASS
N25	25MHz	64QAM	376500	128RB#0	22.841	23.68	PASS
N25	25MHz	BPSK	376500	128RB#0	22.845	23.68	PASS
N25	25MHz	256QAM	376500	128RB#0	22.838	23.68	PASS
N25	30MHz	QPSK	376500	160RB#0	28.511	29.56	PASS
N25	30MHz	16QAM	376500	160RB#0	28.518	29.55	PASS
N25	30MHz	64QAM	376500	160RB#0	28.506	29.56	PASS
N25	30MHz	256QAM	376500	160RB#0	28.510	29.56	PASS
N25	30MHz	BPSK	376500	160RB#0	28.518	29.56	PASS
N25	40MHz	QPSK	376500	216RB#0	38.537	39.89	PASS
N25	40MHz	16QAM	376500	216RB#0	38.542	39.87	PASS
N25	40MHz	64QAM	376500	216RB#0	38.537	39.87	PASS
N25	40MHz	256QAM	376500	216RB#0	38.533	39.86	PASS
N25	40MHz	BPSK	376500	216RB#0	38.533	39.85	PASS

Test Graphs

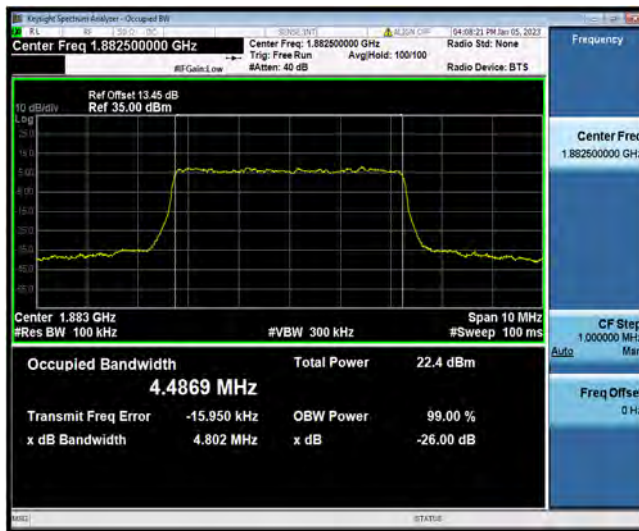
N25-5MHz-QPSK-376500-25RB#0



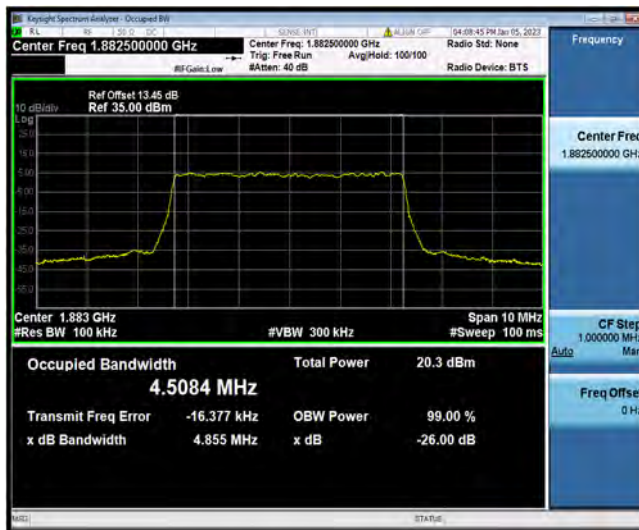
N25-5MHz-16QAM-376500-25RB#0



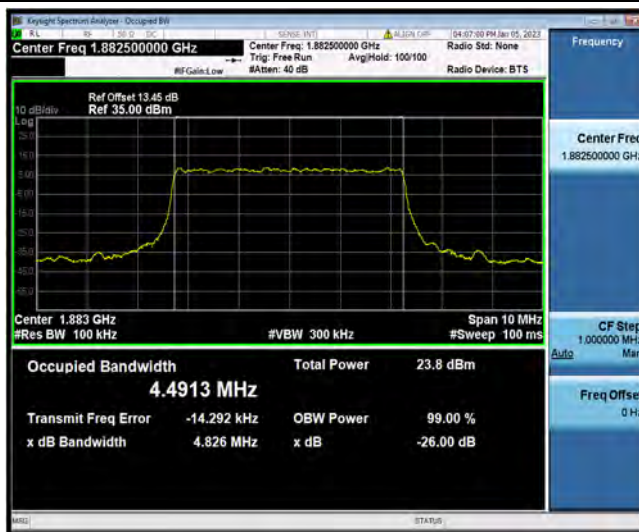
N25-5MHz-64QAM-376500-25RB#0



N25-5MHz-256QAM-376500-25RB#0



N25-5MHz-BPSK-376500-25RB#0



N25-10MHz-QPSK-376500-50RB#0



N25-10MHz-16QAM-376500-50RB#0



N25-10MHz-64QAM-376500-50RB#0



N25-10MHz-BPSK-376500-50RB#0



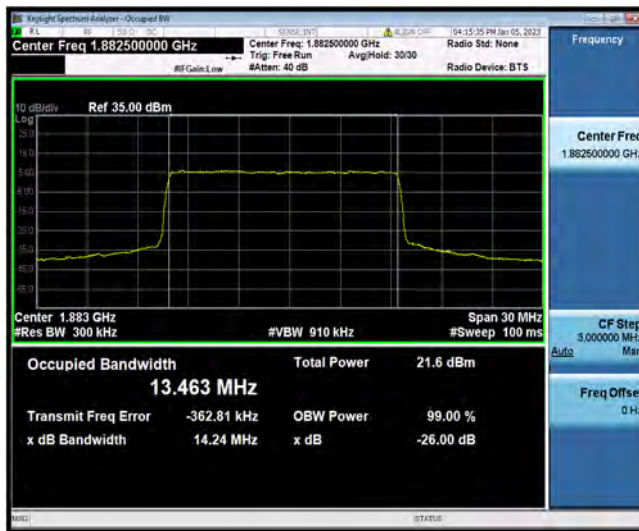
N25-10MHz-256QAM-376500-50RB#0



N25-15MHz-QPSK-376500-75RB#0



N25-15MHz-16QAM-376500-75RB#0



N25-15MHz-64QAM-376500-75RB#0



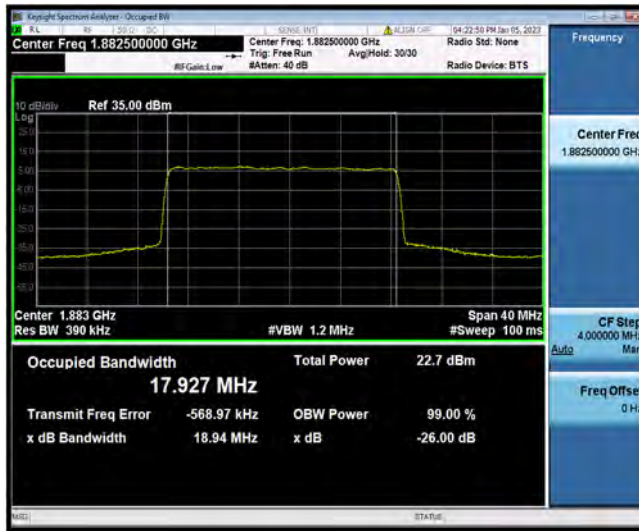
N25-15MHz-BPSK-376500-75RB#0



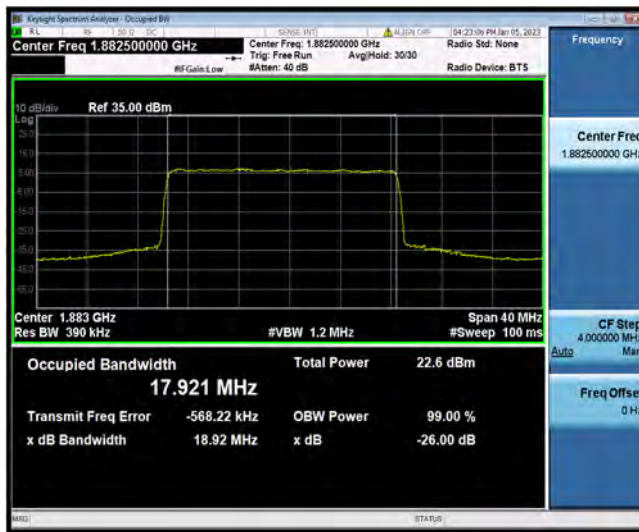
N25-15MHz-256QAM-376500-75RB#0



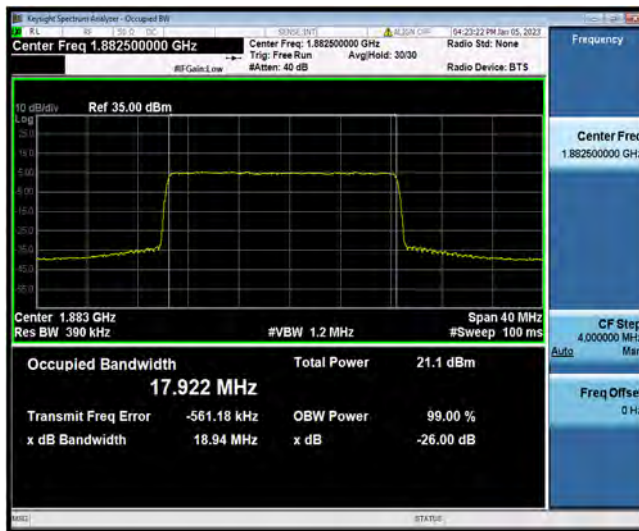
N25-20MHz-QPSK-376500-100RB#0



N25-20MHz-16QAM-376500-100RB#0



N25-20MHz-64QAM-376500-100RB#0



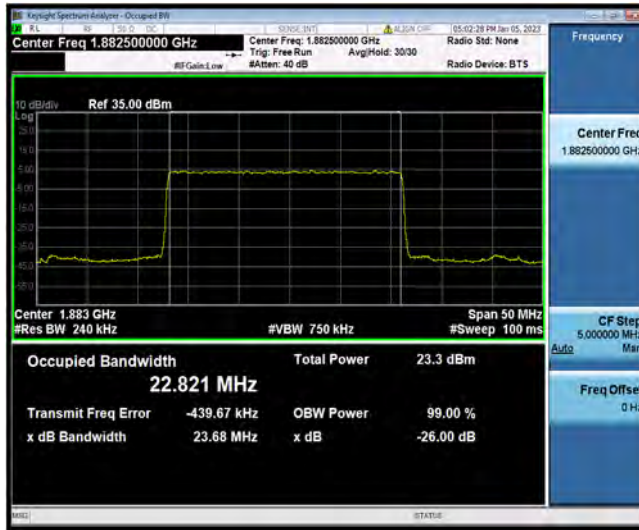
N25-20MHz-256QAM-376500-100RB#0



N25-20MHz-BPSK-376500-100RB#0



N25-25MHz-QPSK-376500-128RB#0



N25-25MHz-16QAM-376500-128RB#0



N25-25MHz-64QAM-376500-128RB#0



N25-25MHz-BPSK-376500-128RB#0



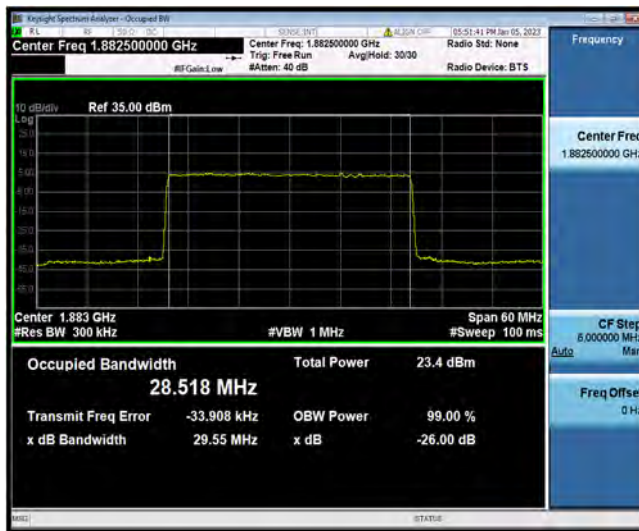
N25-25MHz-256QAM-376500-128RB#0



N25-30MHz-QPSK-376500-160RB#0



N25-30MHz-16QAM-376500-160RB#0



N25-30MHz-64QAM-376500-160RB#0



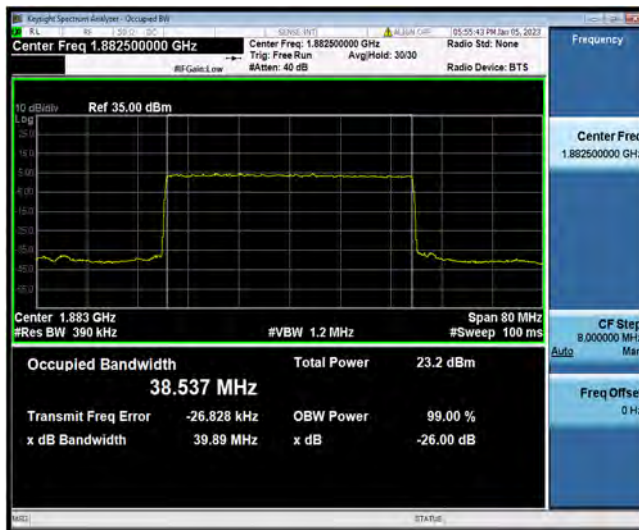
N25-30MHz-256QAM-376500-160RB#0



N25-30MHz-BPSK-376500-160RB#0



N25-40MHz-QPSK-376500-216RB#0



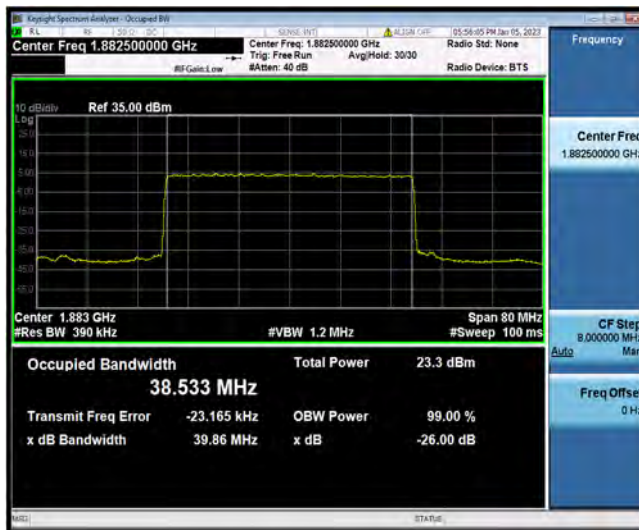
N25-40MHz-16QAM-376500-216RB#0



N25-40MHz-64QAM-376500-216RB#0



N25-40MHz-256QAM-376500-216RB#0



N25-40MHz-BPSK-376500-216RB#0



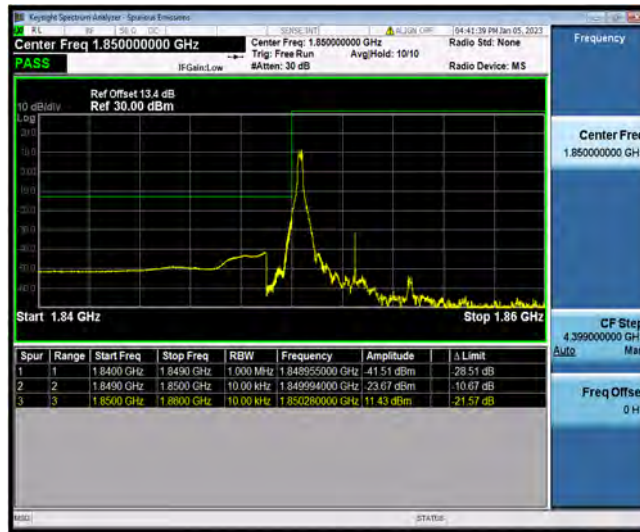
Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
N25	5MHz	QPSK	370500	1RB#0	-41.51,- 23.67	PASS
N25	5MHz	QPSK	370500	25RB#0	-34.75,- 34.73	PASS
N25	5MHz	QPSK	382500	1RB#24	-26.85,- 39.88	PASS
N25	5MHz	QPSK	382500	25RB#0	-32.21,- 29.27	PASS
N25	20MHz	QPSK	372000	1RB#0	-49.29,- 63.14	PASS
N25	20MHz	QPSK	372000	100RB#0	-38.42,- 38.26	PASS
N25	20MHz	QPSK	381000	1RB#99	-34.82,- 41.94	PASS
N25	20MHz	QPSK	381000	100RB#0	-39.12,- 36.38	PASS
N25	40MHz	QPSK	374000	1RB#0	-42.78,- 37.34	PASS
N25	40MHz	QPSK	374000	216RB#0	-40.00,- 42.74	PASS
N25	40MHz	QPSK	379000	1RB#214	-48.72,- 40.70	PASS
N25	40MHz	QPSK	379000	216RB#0	-37.99,- 36.01	PASS

Test Graphs

N25-5MHz-QPSK-370500-1RB#0



N25-5MHz-QPSK-370500-25RB#0



N25-5MHz-QPSK-382500-1RB#24



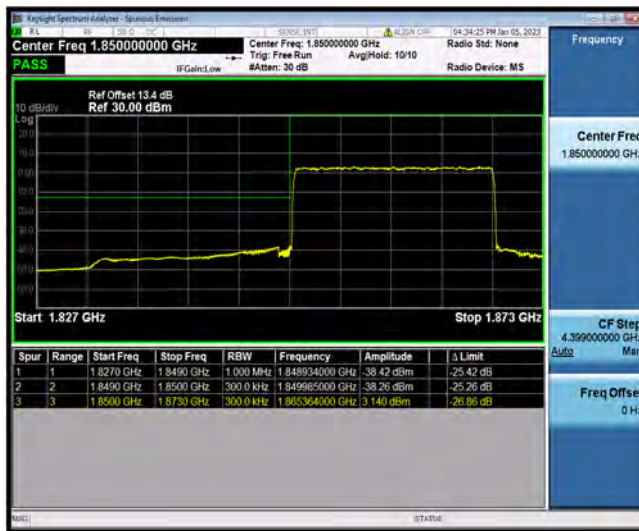
N25-5MHz-QPSK-382500-25RB#0



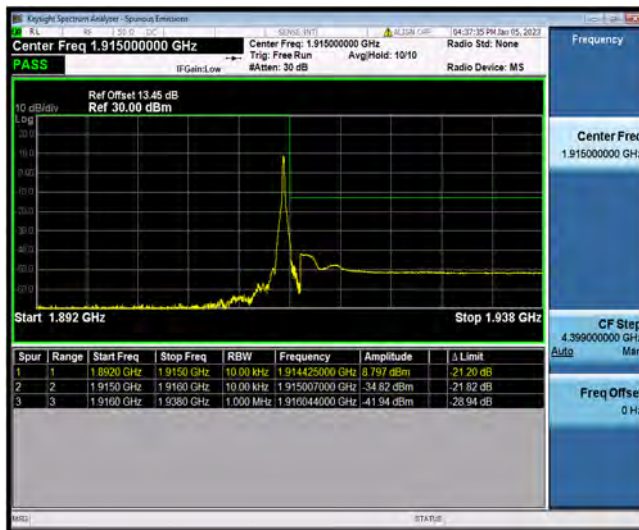
N25-20MHz-QPSK-372000-1RB#0



N25-20MHz-QPSK-372000-100RB#0



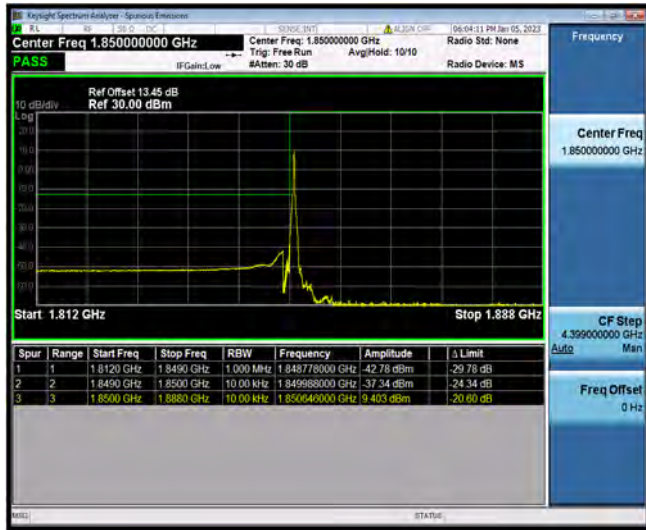
N25-20MHz-QPSK-381000-1RB#99



N25-20MHz-QPSK-381000-100RB#0



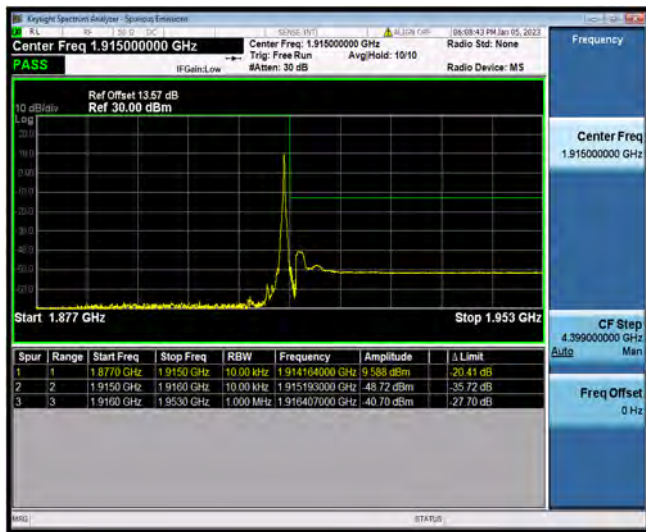
N25-40MHz-QPSK-374000-1RB#0



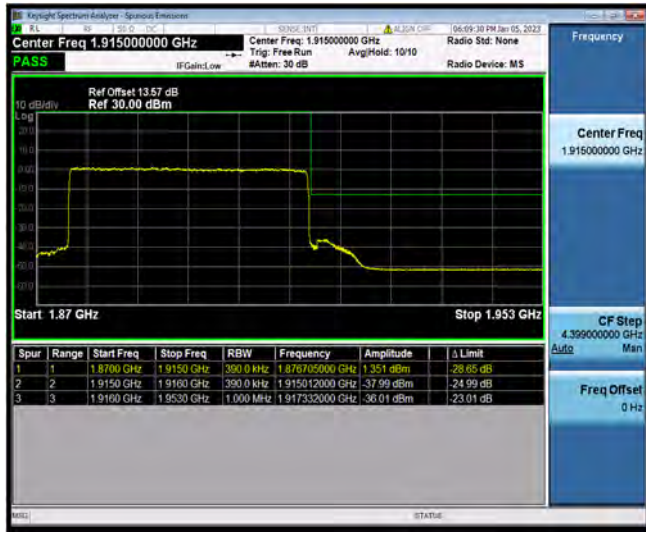
N25-40MHz-QPSK-374000-216RB#0



N25-40MHz-QPSK-379000-1RB#214



N25-40MHz-QPSK-379000-216RB#0



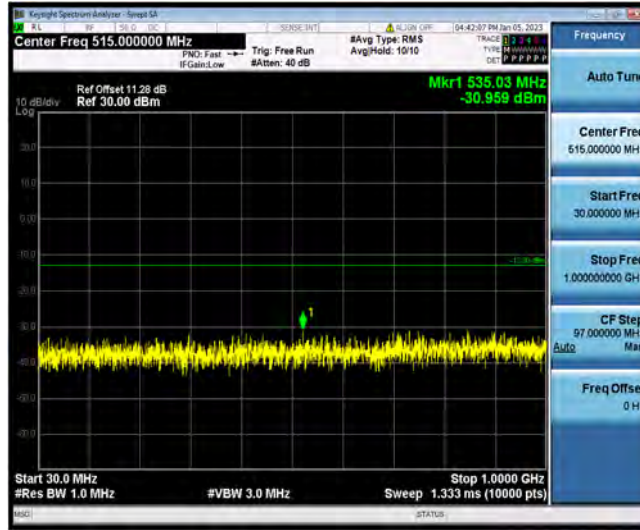
Conducted Spurious Emission

Test Result

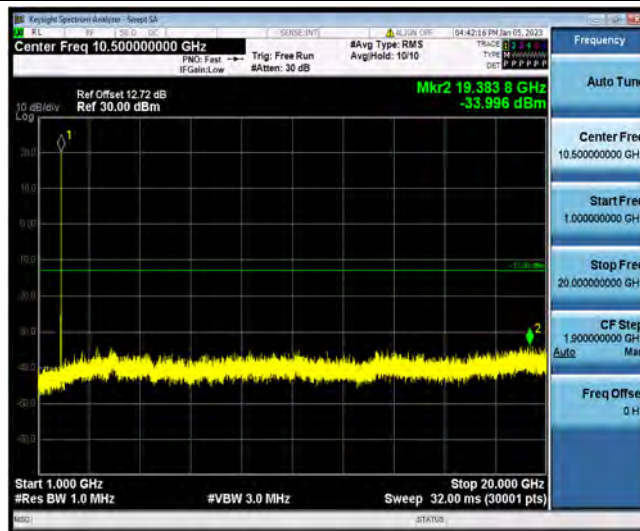
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
N25	5MHz	QPSK	370500	1RB#0	Range1:30~1000MHz	-30.96	PASS
N25	5MHz	QPSK	370500	1RB#0	Range2:1000~20000MHz	-34	PASS
N25	5MHz	QPSK	376500	1RB#0	Range1:30~1000MHz	-30.48	PASS
N25	5MHz	QPSK	376500	1RB#0	Range2:1000~20000MHz	-33.63	PASS
N25	5MHz	QPSK	382500	1RB#0	Range1:30~1000MHz	-30.43	PASS
N25	5MHz	QPSK	382500	1RB#0	Range2:1000~20000MHz	-33.81	PASS
N25	20MHz	QPSK	372000	1RB#0	Range1:30~1000MHz	-30.88	PASS
N25	20MHz	QPSK	372000	1RB#0	Range2:1000~20000MHz	-34	PASS
N25	20MHz	QPSK	376500	1RB#0	Range1:30~1000MHz	-29.92	PASS
N25	20MHz	QPSK	376500	1RB#0	Range2:1000~20000MHz	-33.61	PASS
N25	20MHz	QPSK	381000	1RB#0	Range1:30~1000MHz	-30.69	PASS
N25	20MHz	QPSK	381000	1RB#0	Range2:1000~20000MHz	-33.79	PASS
N25	40MHz	QPSK	374000	1RB#0	Range1:30~1000MHz	-29.92	PASS
N25	40MHz	QPSK	374000	1RB#0	Range2:1000~20000MHz	-33.67	PASS
N25	40MHz	QPSK	376500	1RB#0	Range1:30~1000MHz	-30.91	PASS
N25	40MHz	QPSK	376500	1RB#0	Range2:1000~20000MHz	-33.76	PASS
N25	40MHz	QPSK	379000	1RB#0	Range1:30~1000MHz	-30.58	PASS
N25	40MHz	QPSK	379000	1RB#0	Range2:1000~20000MHz	-33.76	PASS

Test Graphs

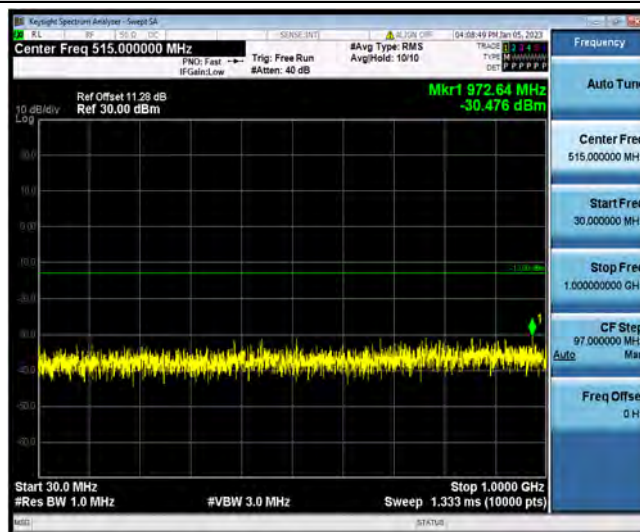
N25-5MHz-QPSK-370500-1RB#0-Range1:30~100MHz



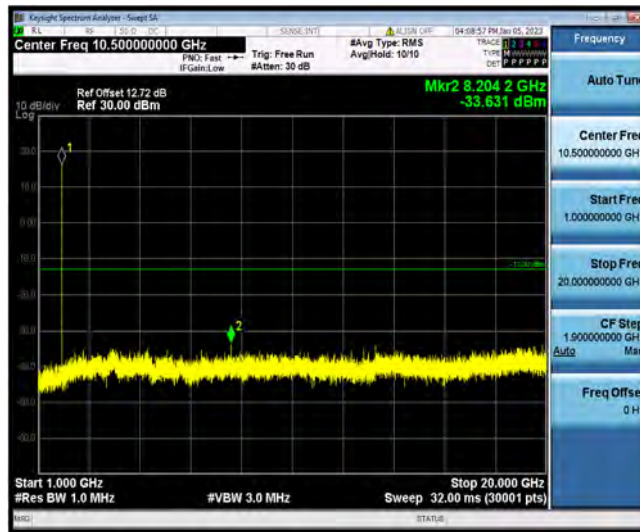
N25-5MHz-QPSK-370500-1RB#0-Range2:1000~20000MHz



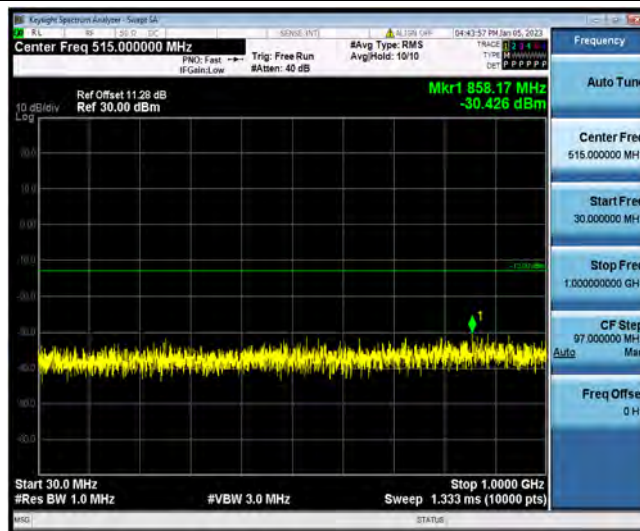
N25-5MHz-QPSK-376500-1RB#0-Range1:30~100MHz



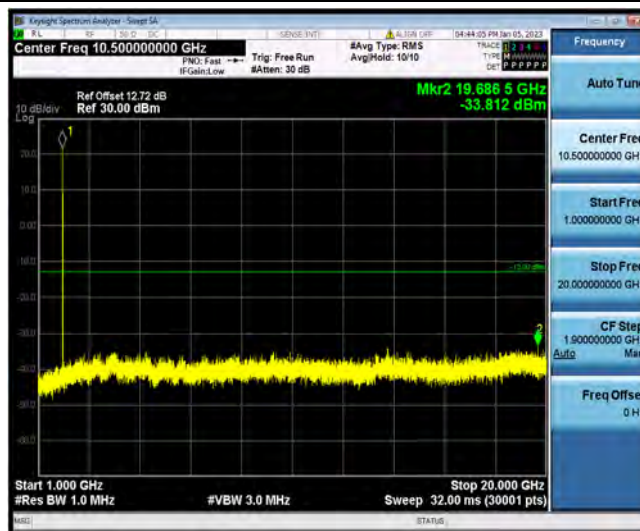
N25-5MHz-QPSK-376500-1RB#0-Range2:1000~20000MHz



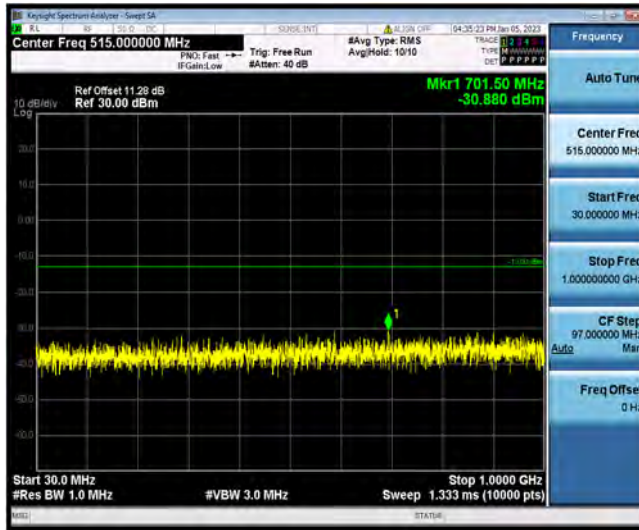
N25-5MHz-QPSK-382500-1RB#0-Range1:30~1000MHz



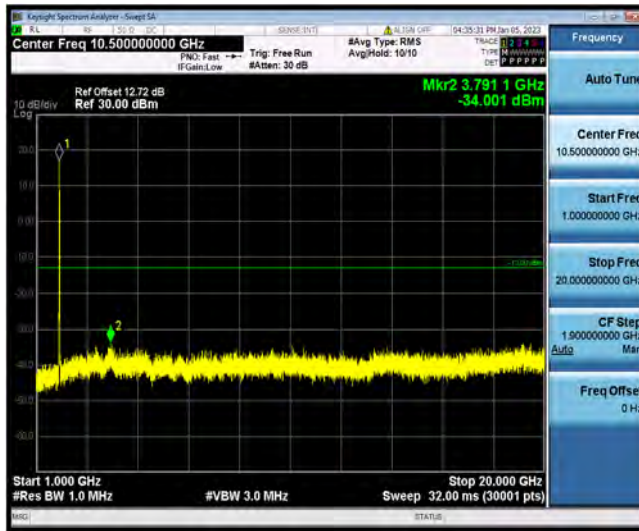
N25-5MHz-QPSK-382500-1RB#0-Range2:1000~20000MHz



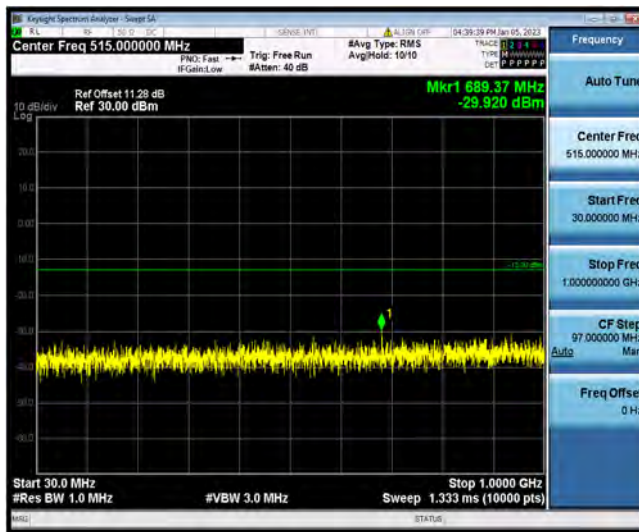
N25-20MHz-QPSK-372000-1RB#0-Range1:30~1000MHz



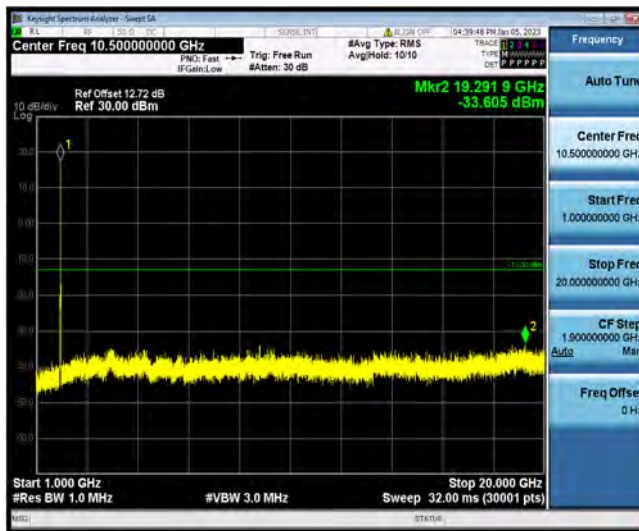
N25-20MHz-QPSK-372000-1RB#0-Range2:1000~20000MHz



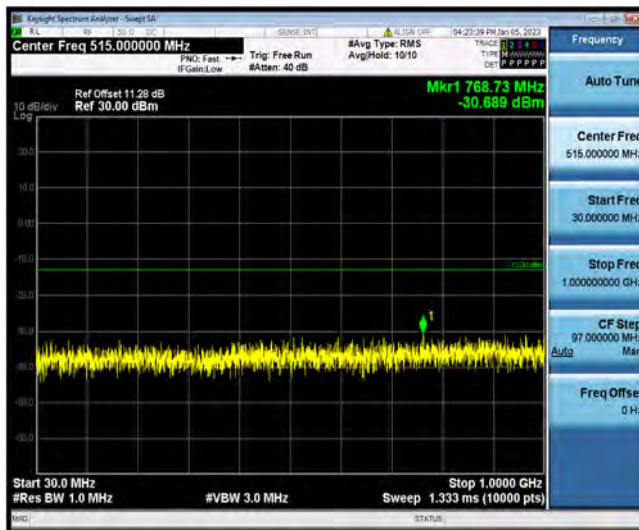
N25-20MHz-QPSK-376500-1RB#0-Range1:30~1000MHz



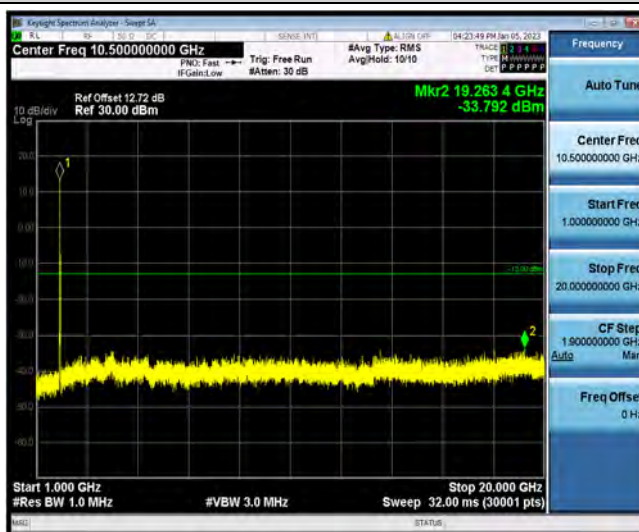
N25-20MHz-QPSK-376500-1RB#0-Range2:1000~20000MHz



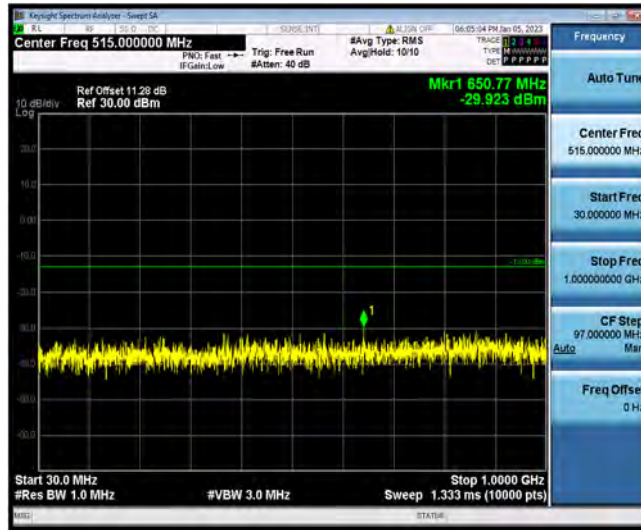
N25-20MHz-QPSK-381000-1RB#0-Range1:30~1000MHz



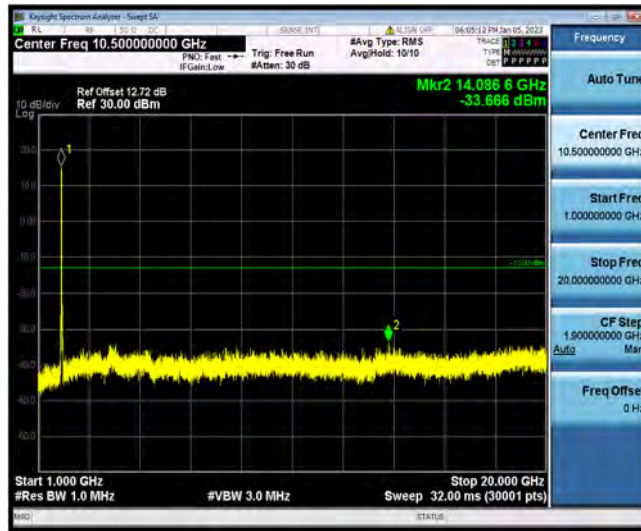
N25-20MHz-QPSK-381000-1RB#0-Range2:1000~20000MHz



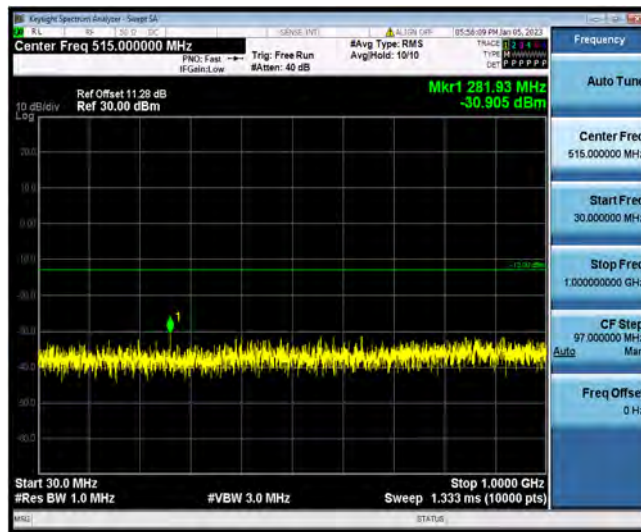
N25-40MHz-QPSK-374000-1RB#0-Range1:30~1000MHz



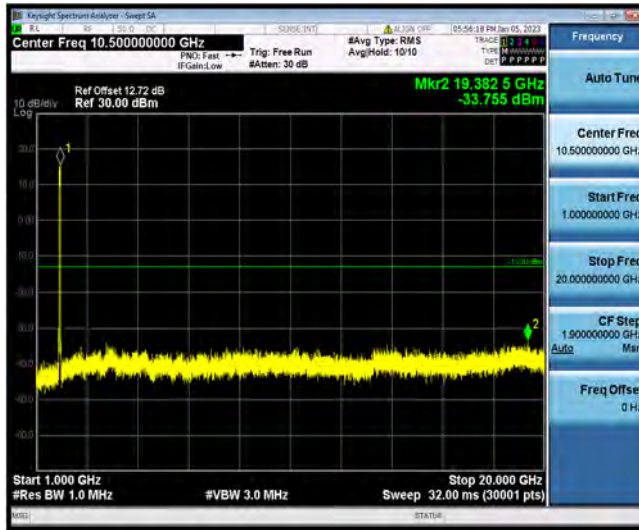
N25-40MHz-QPSK-374000-1RB#0-Range2:1000~20000MHz



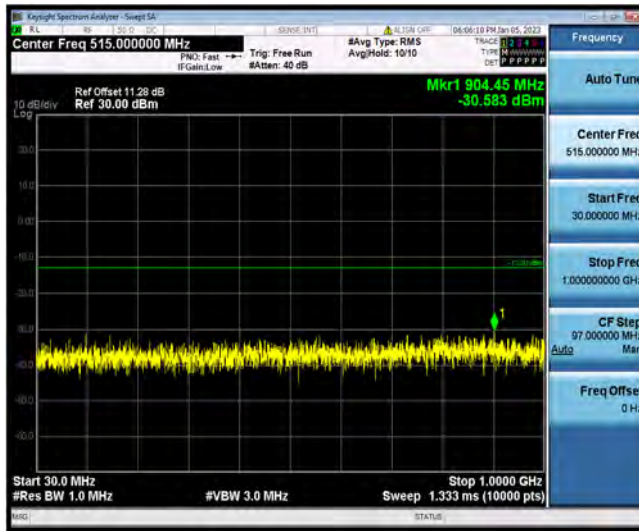
N25-40MHz-QPSK-376500-1RB#0-Range1:30~1000MHz



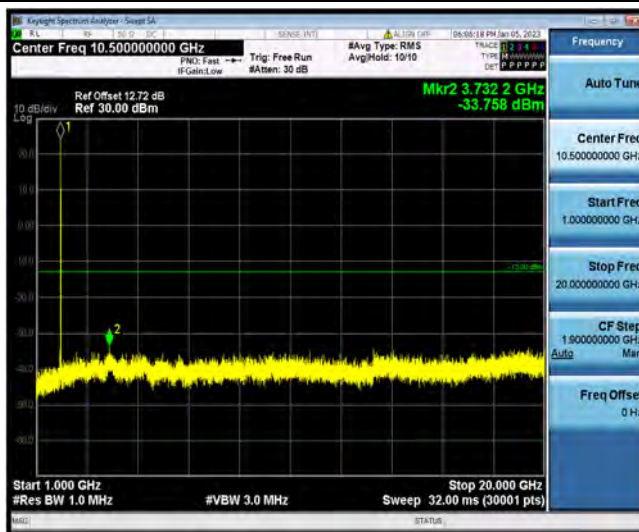
N25-40MHz-QPSK-376500-1RB#0-Range2:1000~20000MHz



N25-40MHz-QPSK-379000-1RB#0-Range1:30~1000MHz



N25-40MHz-QPSK-379000-1RB#0-Range2:1000~20000MHz



Frequency Stability

Test Result

Voltage&Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
n25	20MHz	QPSK	376500	100RB#0	VL	NT	-5.80	-0.003083	±2.5	PASS
n25	20MHz	QPSK	376500	100RB#0	VN	NT	4.44	0.002360	±2.5	PASS
n25	20MHz	QPSK	376500	100RB#0	VH	NT	2.94	0.001563	±2.5	PASS
n25	20MHz	QPSK	376500	100RB#0	NV	-30	8.31	0.004414	±2.5	PASS
n25	20MHz	QPSK	376500	100RB#0	NV	-20	5.94	0.003155	±2.5	PASS
n25	20MHz	QPSK	376500	100RB#0	NV	0	7.21	0.003829	±2.5	PASS
n25	20MHz	QPSK	376500	100RB#0	NV	10	5.56	0.002953	±2.5	PASS
n25	20MHz	QPSK	376500	100RB#0	NV	20	4.57	0.002428	±2.5	PASS
n25	20MHz	QPSK	376500	100RB#0	NV	30	18.07	0.009598	±2.5	PASS
n25	20MHz	QPSK	376500	100RB#0	NV	40	3.76	0.002000	±2.5	PASS
n25	20MHz	QPSK	376500	100RB#0	NV	50	7.53	0.004000	±2.5	PASS

N5

Peak-to-Average Ratio (CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
N5	20MHz	QPSK	166800	1RB#0	4.80	13	PASS
N5	20MHz	QPSK	166800	100RB#0	5.22	13	PASS
N5	20MHz	QPSK	167300	1RB#0	3.96	13	PASS
N5	20MHz	QPSK	167300	100RB#0	5.19	13	PASS
N5	20MHz	QPSK	167800	1RB#0	4.08	13	PASS
N5	20MHz	QPSK	167800	100RB#0	5.27	13	PASS

Test Graphs

N5-20MHz-QPSK-166800-1RB#0



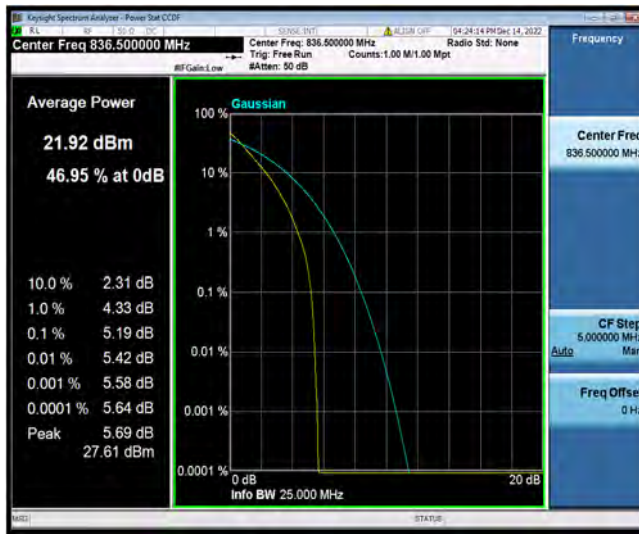
N5-20MHz-QPSK-166800-100RB#0



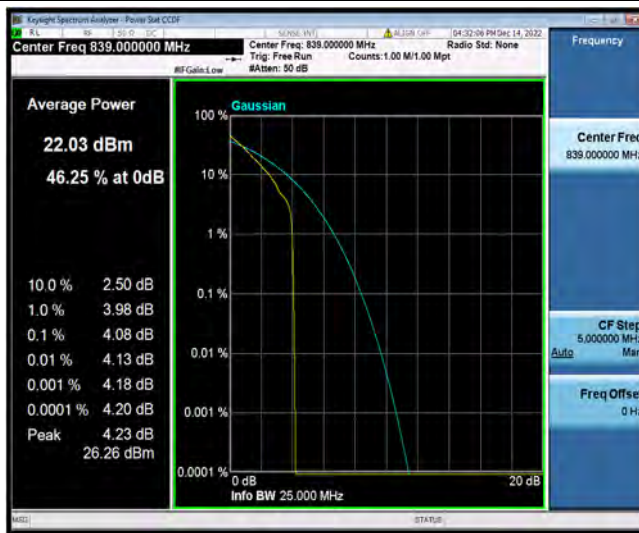
N5-20MHz-QPSK-167300-1RB#0



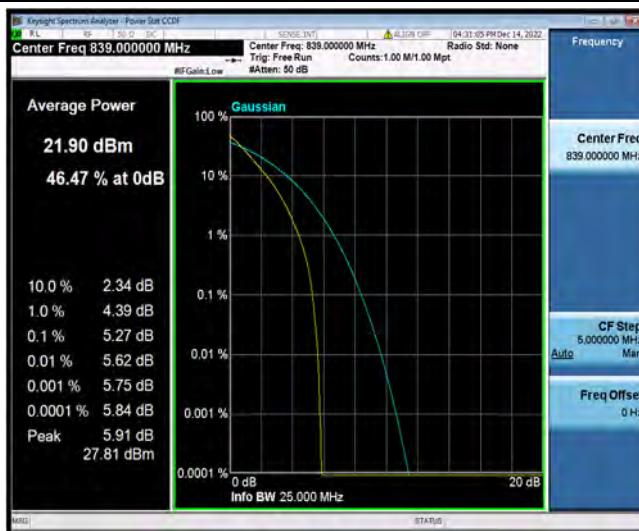
N5-20MHz-QPSK-167300-100RB#0



N5-20MHz-QPSK-167800-1RB#0



N5-20MHz-QPSK-167800-100RB#0



26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
N5	5MHz	QPSK	167300	25RB#0	4.4832	4.834	PASS
N5	5MHz	16QAM	167300	25RB#0	4.4921	4.800	PASS
N5	5MHz	64QAM	167300	25RB#0	4.5041	4.856	PASS
N5	5MHz	256QAM	167300	25RB#0	4.4797	4.794	PASS
N5	5MHz	BPSK	167300	25RB#0	4.4950	4.815	PASS
N5	10MHz	QPSK	167300	50RB#0	8.9772	9.513	PASS
N5	10MHz	16QAM	167300	50RB#0	8.9697	9.507	PASS
N5	10MHz	64QAM	167300	50RB#0	8.9799	9.525	PASS
N5	10MHz	BPSK	167300	50RB#0	8.9598	9.488	PASS
N5	10MHz	256QAM	167300	50RB#0	8.9568	9.482	PASS
N5	15MHz	QPSK	167300	75RB#0	13.436	14.20	PASS
N5	15MHz	16QAM	167300	75RB#0	13.451	14.21	PASS
N5	15MHz	64QAM	167300	75RB#0	13.420	14.20	PASS
N5	15MHz	256QAM	167300	75RB#0	13.445	14.22	PASS
N5	15MHz	BPSK	167300	75RB#0	13.450	14.22	PASS
N5	20MHz	QPSK	166800	100RB#0	17.883	18.92	PASS
N5	20MHz	QPSK	167300	100RB#0	17.901	18.92	PASS
N5	20MHz	QPSK	167800	100RB#0	17.907	18.93	PASS
N5	20MHz	16QAM	167300	100RB#0	17.902	18.92	PASS
N5	20MHz	64QAM	167300	100RB#0	17.896	18.90	PASS
N5	20MHz	BPSK	167300	100RB#0	17.882	18.91	PASS
N5	20MHz	256QAM	167300	100RB#0	17.873	18.90	PASS

Test Graphs

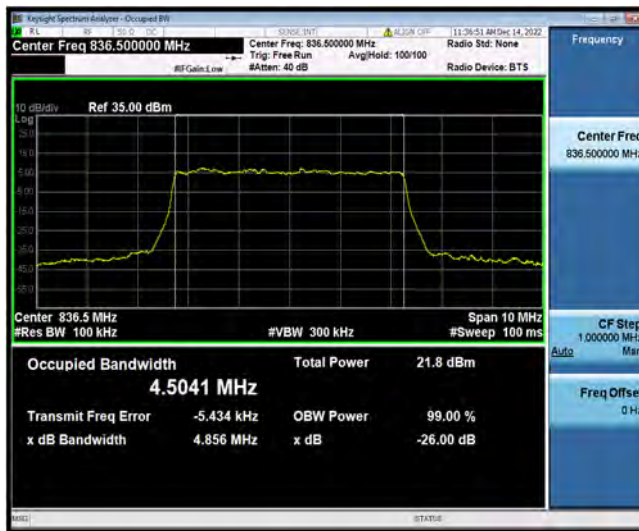
N5-5MHz-QPSK-167300-25RB#0



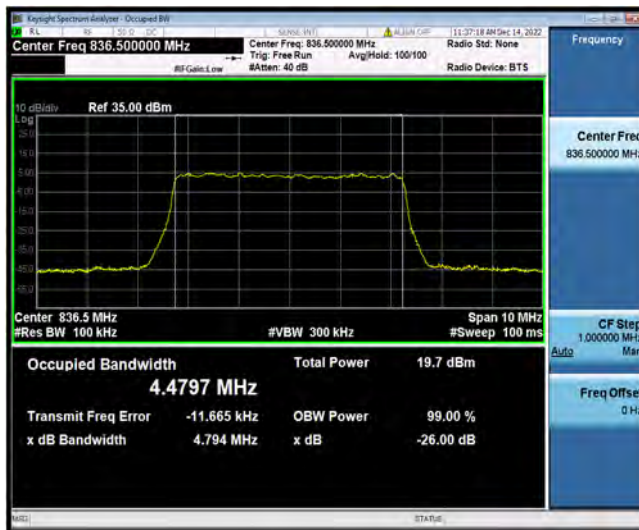
N5-5MHz-16QAM-167300-25RB#0



N5-5MHz-64QAM-167300-25RB#0



N5-5MHz-25QAM-167300-25RB#0



N5-5MHz-BPSK-167300-25RB#0



N5-10MHz-QPSK-167300-50RB#0



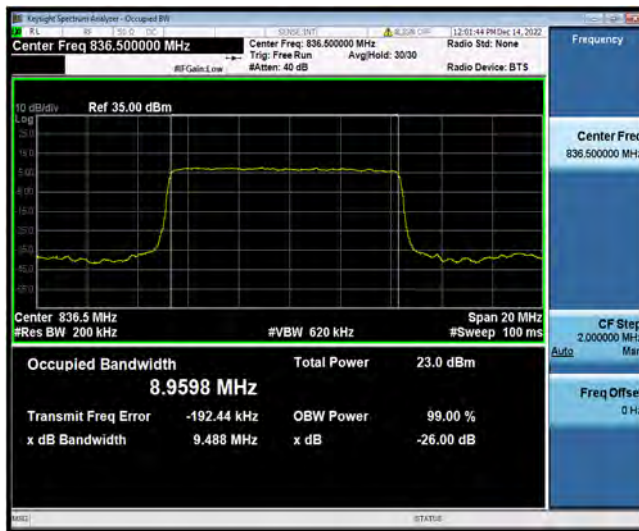
N5-10MHz-16QAM-167300-50RB#0



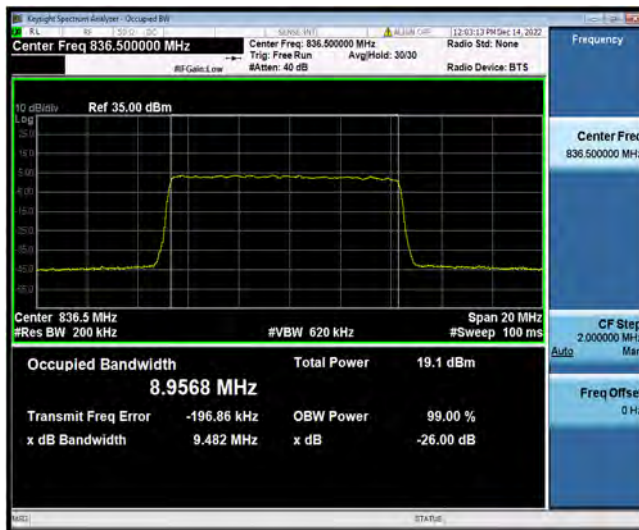
N5-10MHz-64QAM-167300-50RB#0



N5-10MHz-BPSK-167300-50RB#0



N5-10MHz-256QAM-167300-50RB#0



N5-15MHz-QPSK-167300-75RB#0



N5-15MHz-16QAM-167300-75RB#0



N5-15MHz-64QAM-167300-75RB#0



N5-15MHz-256QAM-167300-75RB#0



N5-15MHz-BPSK-167300-75RB#0



N5-20MHz-QPSK-166800-100RB#0



N5-20MHz-QPSK-167300-100RB#0



N5-20MHz-QPSK-167800-100RB#0



N5-20MHz-16QAM-167300-100RB#0



N5-20MHz-64QAM-167300-100RB#0



N5-20MHz-BPSK-167300-100RB#0



N5-20MHz-256QAM-167300-100RB#0



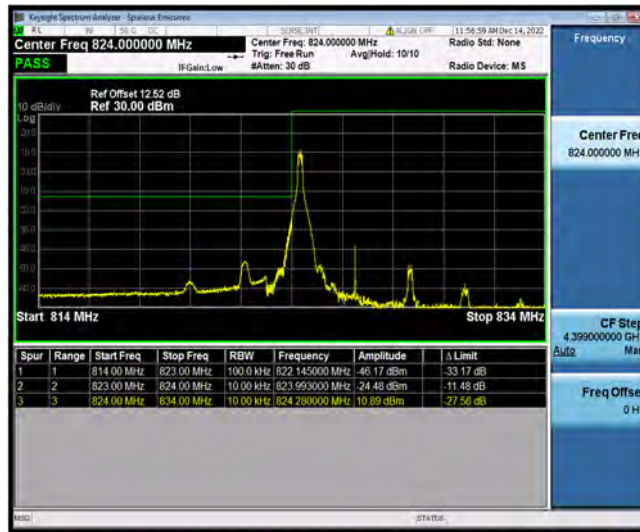
Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
N5	5MHz	QPSK	165300	1RB#0	-46.17,-24.48	PASS
N5	5MHz	QPSK	165300	25RB#0	-39.56,-33.71	PASS
N5	5MHz	QPSK	169300	1RB#24	-25.87,-49.84	PASS
N5	5MHz	QPSK	169300	25RB#0	-32.60,-40.07	PASS
N5	10MHz	QPSK	165800	1RB#0	-53.65,-25.66	PASS
N5	10MHz	QPSK	165800	50RB#0	-42.95,-33.94	PASS
N5	10MHz	QPSK	168800	1RB#49	-68.45,-62.35	PASS
N5	10MHz	QPSK	168800	50RB#0	-34.13,-41.42	PASS
N5	20MHz	QPSK	166800	1RB#0	-61.55,-67.33	PASS
N5	20MHz	QPSK	166800	100RB#0	-43.58,-36.83	PASS
N5	20MHz	QPSK	167800	1RB#99	-68.26,-62.21	PASS
N5	20MHz	QPSK	167800	100RB#0	-38.28,-43.08	PASS

Test Graphs

N5-5MHz-QPSK-165300-1RB#0



N5-5MHz-QPSK-165300-25RB#0



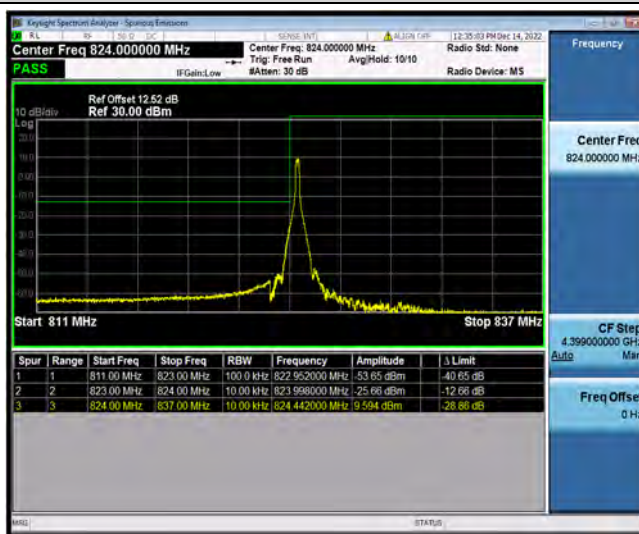
N5-5MHz-QPSK-169300-1RB#24



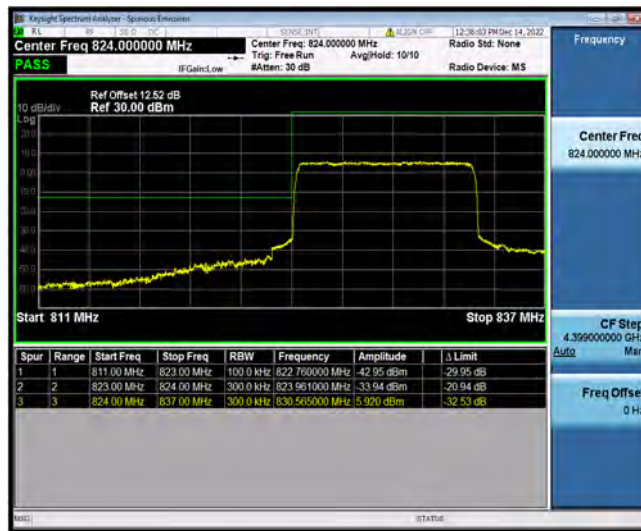
N5-5MHz-QPSK-169300-25RB#0



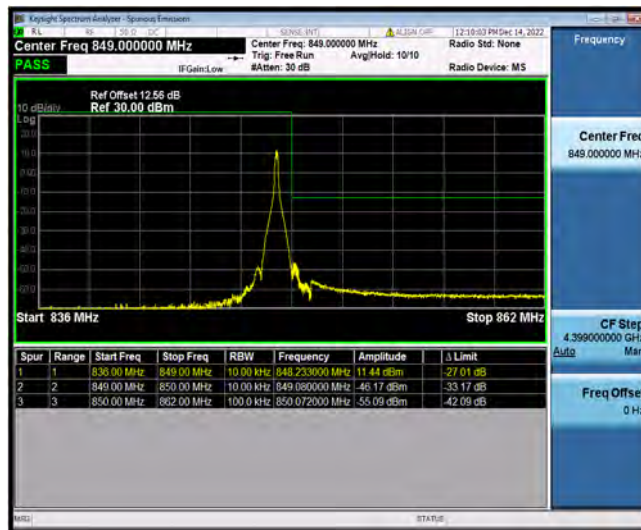
N5-10MHz-QPSK-165800-1RB#0



N5-10MHz-QPSK-165800-50RB#0



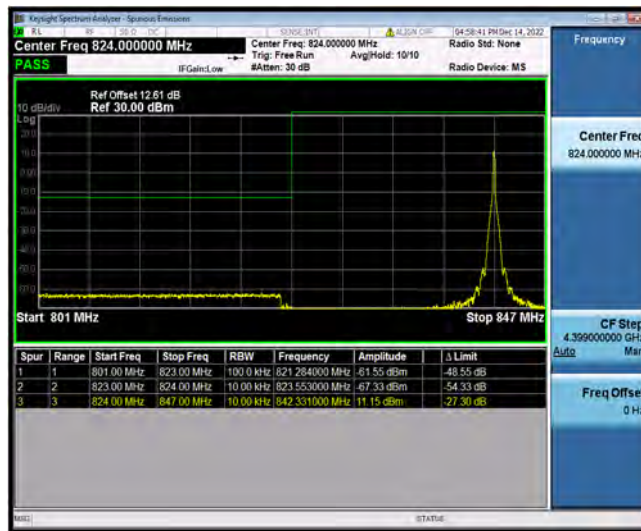
N5-10MHz-QPSK-168800-1RB#49



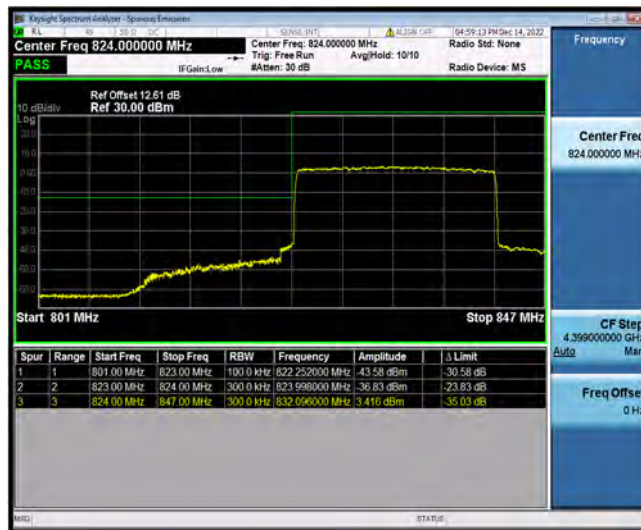
N5-10MHz-QPSK-168800-50RB#0



N5-20MHz-QPSK-166800-1RB#0



N5-20MHz-QPSK-166800-100RB#0



N5-20MHz-QPSK-167800-1RB#99



N5-20MHz-QPSK-167800-100RB#0



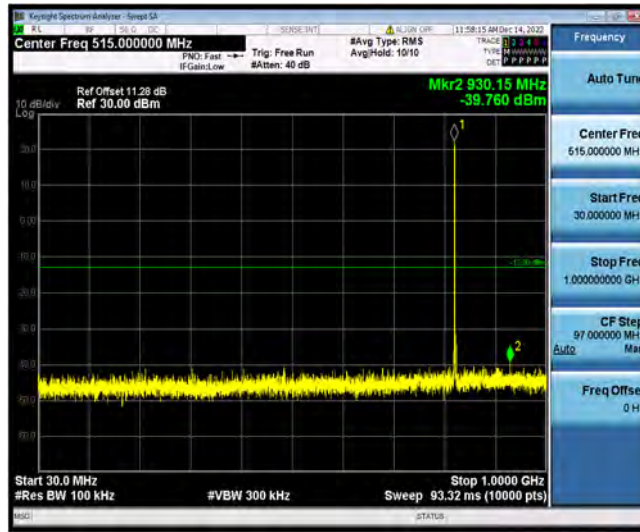
Conducted Spurious Emission

Test Result

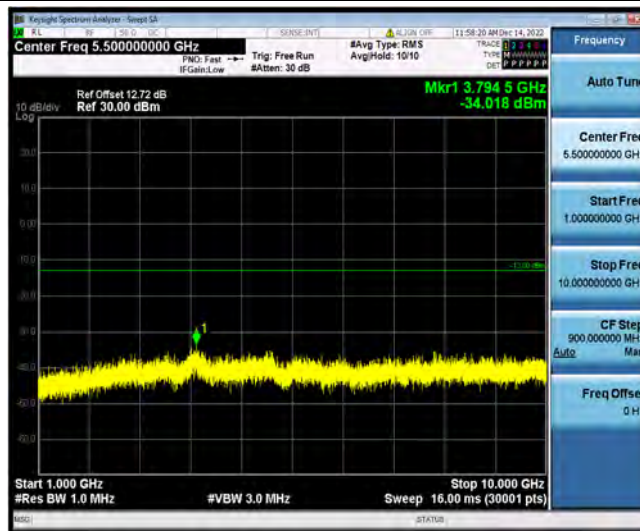
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
N5	5MHz	QPSK	165300	1RB#0	Range1:30~1000MHz	-39.76	PASS
N5	5MHz	QPSK	165300	1RB#0	Range2:1000~10000MHz	-34.02	PASS
N5	5MHz	QPSK	167300	1RB#0	Range1:30~1000MHz	-40.85	PASS
N5	5MHz	QPSK	167300	1RB#0	Range2:1000~10000MHz	-34.37	PASS
N5	5MHz	QPSK	169300	1RB#0	Range1:30~1000MHz	-40.09	PASS
N5	5MHz	QPSK	169300	1RB#0	Range2:1000~10000MHz	-33.85	PASS
N5	10MHz	QPSK	165800	1RB#0	Range1:30~1000MHz	-40.37	PASS
N5	10MHz	QPSK	165800	1RB#0	Range2:1000~10000MHz	-33.79	PASS
N5	10MHz	QPSK	167300	1RB#0	Range1:30~1000MHz	-39.39	PASS
N5	10MHz	QPSK	167300	1RB#0	Range2:1000~10000MHz	-34.41	PASS
N5	10MHz	QPSK	168800	1RB#0	Range1:30~1000MHz	-40.99	PASS
N5	10MHz	QPSK	168800	1RB#0	Range2:1000~10000MHz	-33.46	PASS
N5	20MHz	QPSK	166800	1RB#0	Range1:30~1000MHz	-40.86	PASS
N5	20MHz	QPSK	166800	1RB#0	Range2:1000~10000MHz	-34.23	PASS
N5	20MHz	QPSK	167300	1RB#0	Range1:30~1000MHz	-40.32	PASS
N5	20MHz	QPSK	167300	1RB#0	Range2:1000~10000MHz	-34.45	PASS
N5	20MHz	QPSK	167800	1RB#0	Range1:30~1000MHz	-40.13	PASS
N5	20MHz	QPSK	167800	1RB#0	Range2:1000~10000MHz	-33.35	PASS

Test Graphs

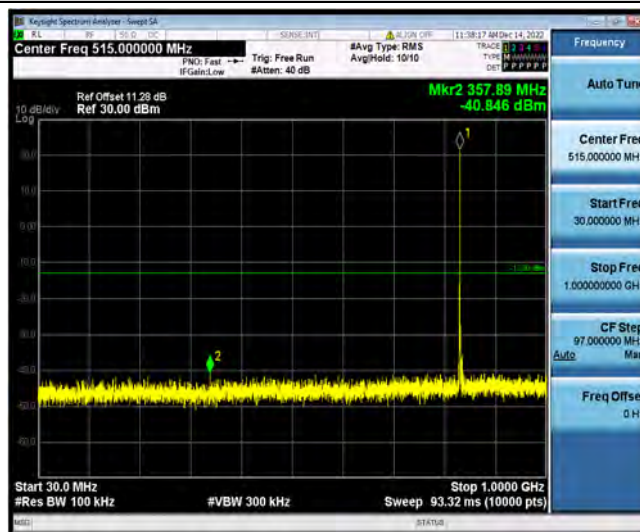
N5-5MHz-QPSK-165300-1RB#0-Range1:30~1000MHz



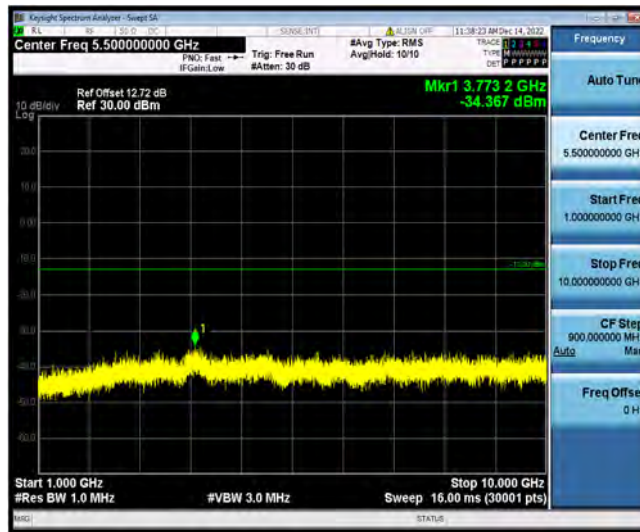
N5-5MHz-QPSK-165300-1RB#0-Range2:1000~10000MHz



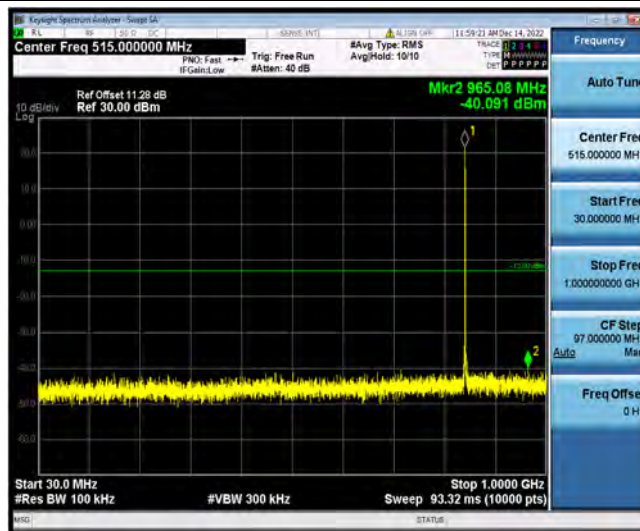
N5-5MHz-QPSK-167300-1RB#0-Range1:30~1000MHz



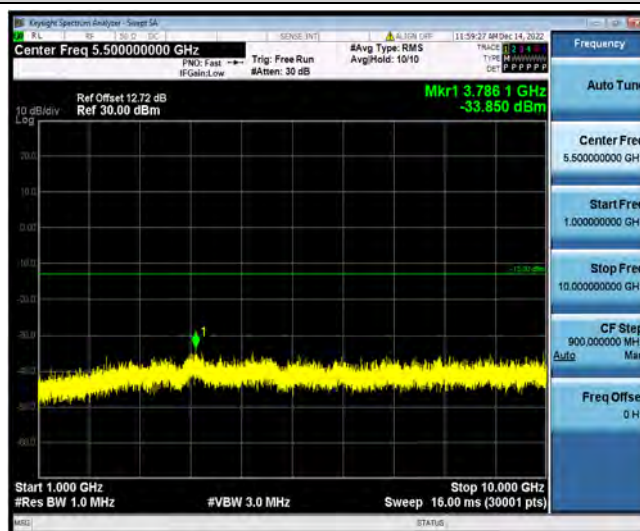
N5-5MHz-QPSK-167300-1RB#0-Range2:1000~10000MHz



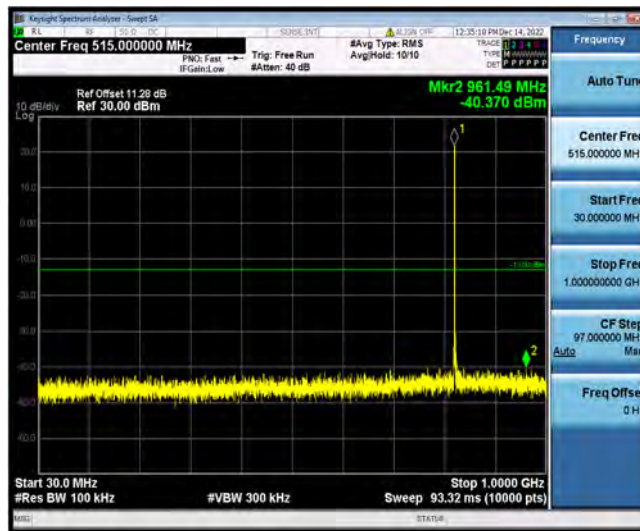
N5-5MHz-QPSK-169300-1RB#0-Range1:30~1000MHz



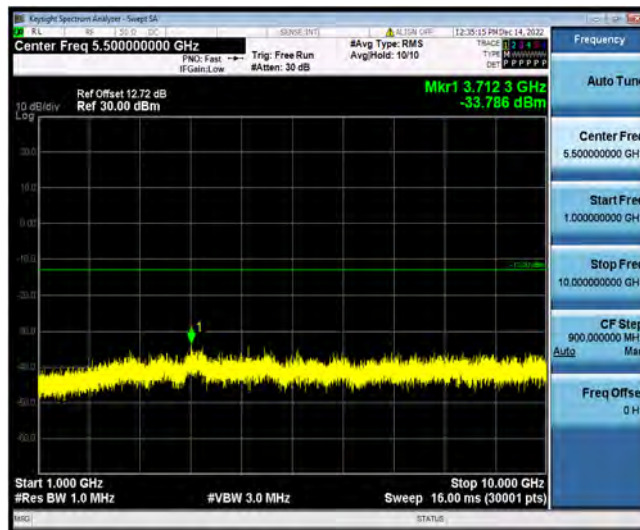
N5-5MHz-QPSK-169300-1RB#0-Range2:1000~10000MHz



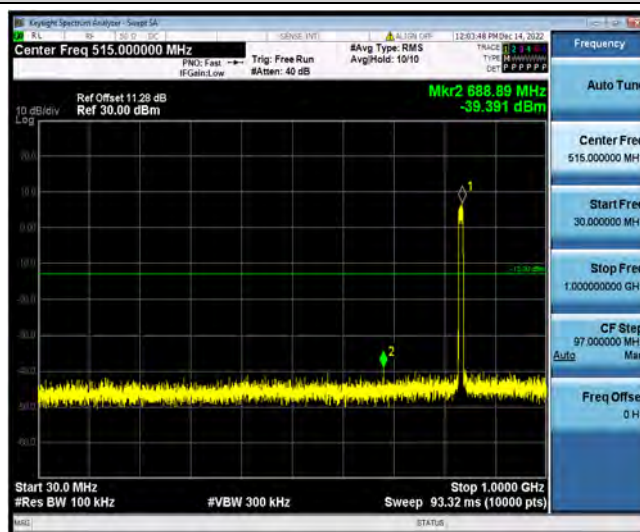
N5-10MHz-QPSK-165800-1RB#0-Range1:30~1000MHz



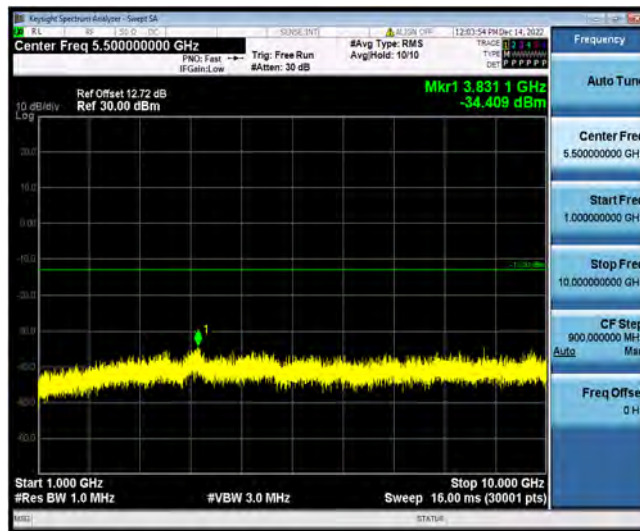
N5-10MHz-QPSK-165800-1RB#0-Range2:1000~10000MHz



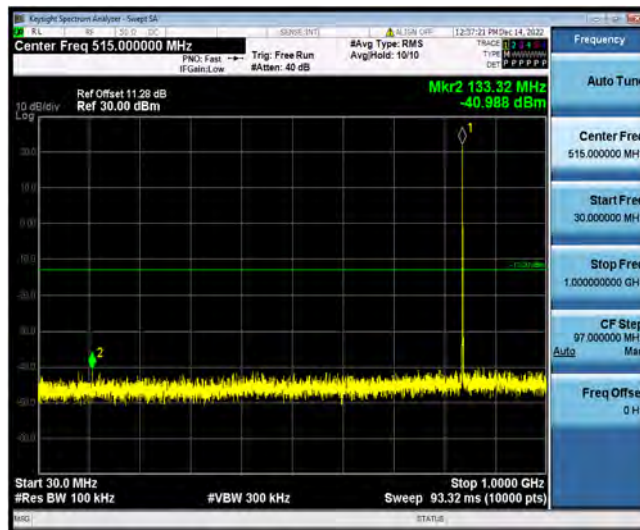
N5-10MHz-QPSK-167300-1RB#0-Range1:30~1000MHz



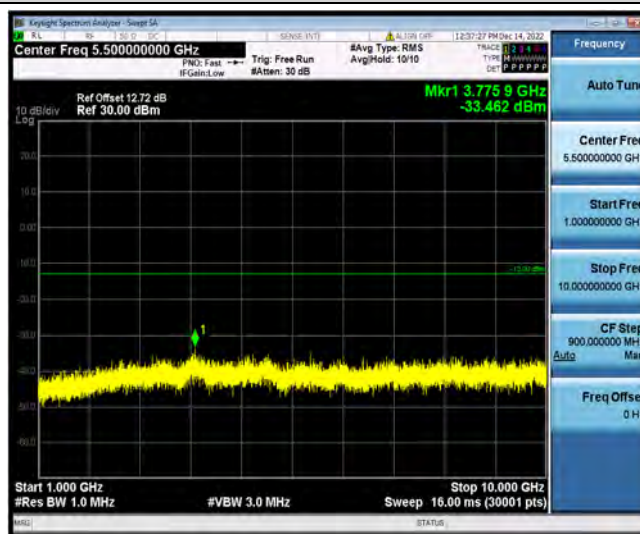
N5-10MHz-QPSK-167300-1RB#0-Range2:1000~10000MHz



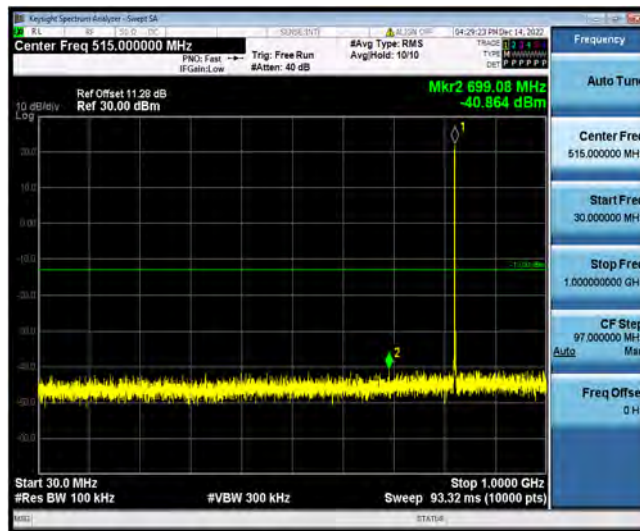
N5-10MHz-QPSK-168800-1RB#0-Range1:30~1000MHz



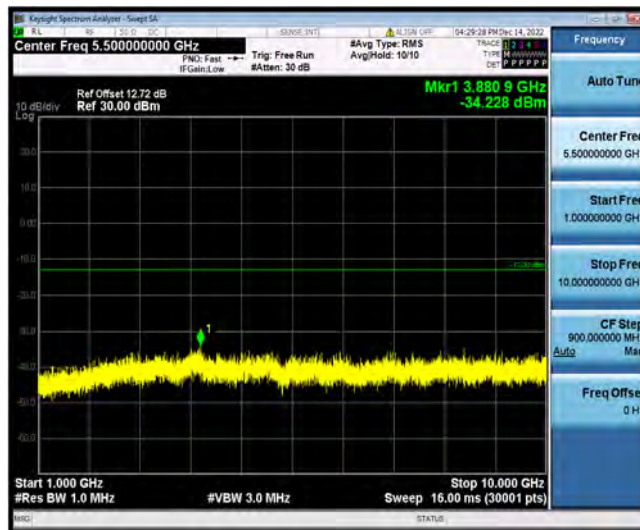
N5-10MHz-QPSK-168800-1RB#0-Range2:1000~10000MHz



N5-20MHz-QPSK-166800-1RB#0-Range1:30~1000MHz



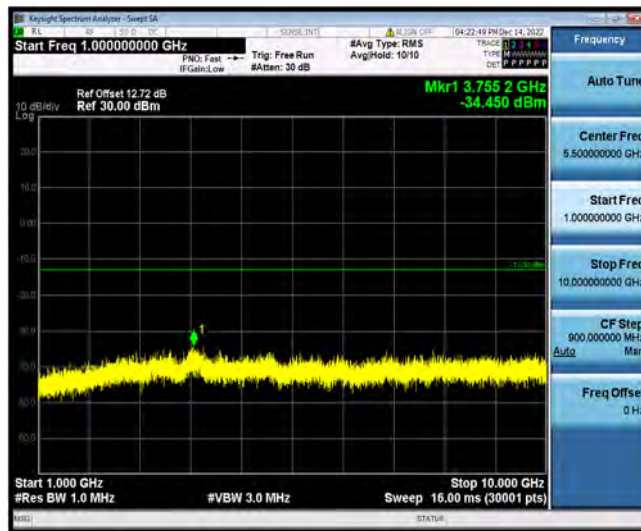
N5-20MHz-QPSK-166800-1RB#0-Range2:1000~10000MHz



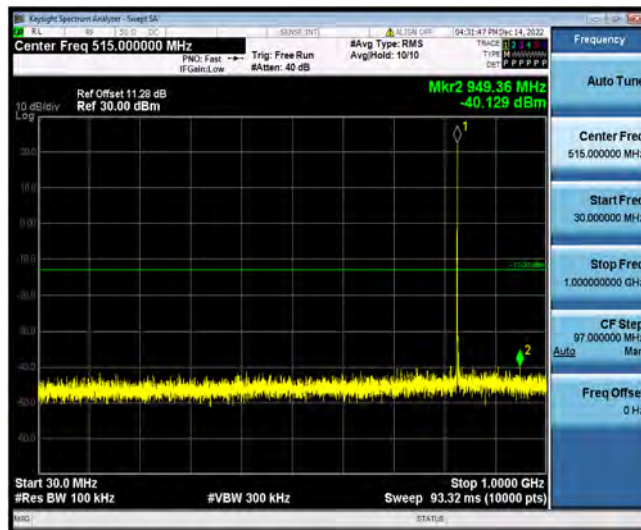
N5-20MHz-QPSK-167300-1RB#0-Range1:30~1000MHz



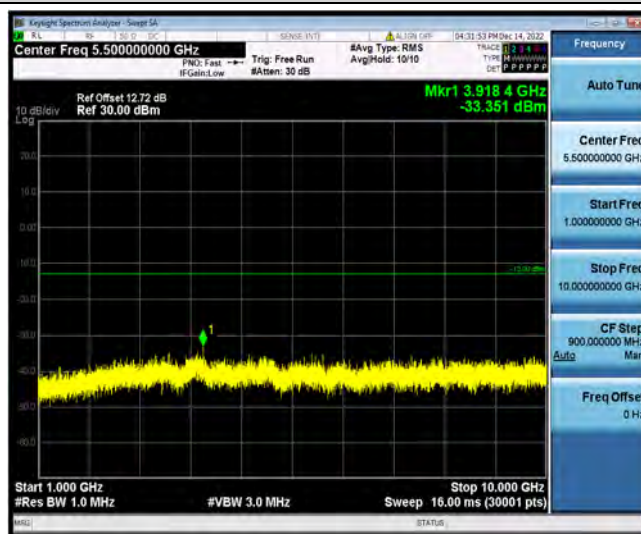
N5-20MHz-QPSK-167300-1RB#0-Range2:1000~10000MHz



N5-20MHz-QPSK-167800-1RB#0-Range1:30~1000MHz



N5-20MHz-QPSK-167800-1RB#0-Range2:1000~10000MHz



Frequency Stability

Test Result

Voltage&Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
n5	20MHz	QPSK	167300	100RB#0	VL	NT	-10.92	-0.013057	±2.5	PASS
n5	20MHz	QPSK	167300	100RB#0	VN	NT	0.42	0.000500	±2.5	PASS
n5	20MHz	QPSK	167300	100RB#0	VH	NT	-0.63	-0.000755	±2.5	PASS
n5	20MHz	QPSK	167300	100RB#0	NV	-30	2.55	0.003044	±2.5	PASS
n5	20MHz	QPSK	167300	100RB#0	NV	-20	0.18	0.000213	±2.5	PASS
n5	20MHz	QPSK	167300	100RB#0	NV	0	5.01	0.005992	±2.5	PASS
n5	20MHz	QPSK	167300	100RB#0	NV	10	1.42	0.001702	±2.5	PASS
n5	20MHz	QPSK	167300	100RB#0	NV	20	-0.93	-0.001117	±2.5	PASS
n5	20MHz	QPSK	167300	100RB#0	NV	30	15.87	0.018974	±2.5	PASS
n5	20MHz	QPSK	167300	100RB#0	NV	40	0.16	0.000185	±2.5	PASS
n5	20MHz	QPSK	167300	100RB#0	NV	50	4.30	0.005139	±2.5	PASS

N7

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
N7	20MHz	QPSK	502000	1RB#0	3.60	13	PASS
N7	20MHz	QPSK	502000	100RB#0	4.87	13	PASS
N7	20MHz	QPSK	507000	1RB#0	3.59	13	PASS
N7	20MHz	QPSK	507000	100RB#0	4.39	13	PASS
N7	20MHz	QPSK	512000	1RB#0	4.04	13	PASS
N7	20MHz	QPSK	512000	100RB#0	4.37	13	PASS

Test Graphs

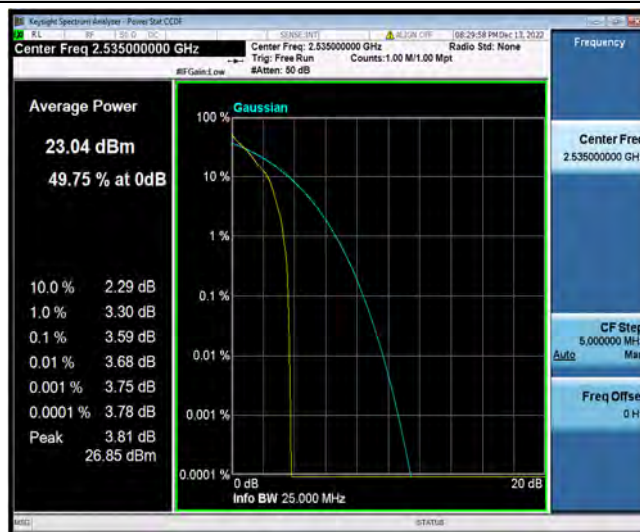
N7-20MHz-QPSK-502000-1RB#0



N7-20MHz-QPSK-502000-100RB#0



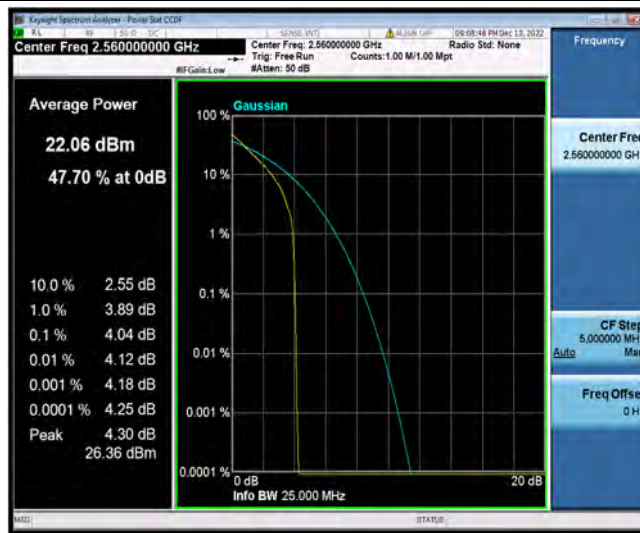
N7-20MHz-QPSK-507000-1RB#0



N7-20MHz-QPSK-507000-100RB#0



N7-20MHz-QPSK-512000-1RB#0



N7-20MHz-QPSK-512000-100RB#0



26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
N7	5MHz	QPSK	507000	25RB#0	4.5113	4.874	PASS
N7	5MHz	16QAM	507000	25RB#0	4.4870	4.813	PASS
N7	5MHz	64QAM	507000	25RB#0	4.4902	4.787	PASS
N7	5MHz	BPSK	507000	25RB#0	4.4929	4.846	PASS
N7	5MHz	256QAM	507000	25RB#0	4.4888	4.786	PASS
N7	10MHz	QPSK	507000	50RB#0	8.9708	9.503	PASS
N7	10MHz	16QAM	507000	50RB#0	8.9820	9.489	PASS
N7	10MHz	64QAM	507000	50RB#0	8.9906	9.508	PASS
N7	10MHz	256QAM	507000	50RB#0	8.9810	9.526	PASS
N7	10MHz	BPSK	507000	50RB#0	8.9663	9.496	PASS
N7	15MHz	QPSK	507000	75RB#0	13.485	14.23	PASS
N7	15MHz	16QAM	507000	75RB#0	13.462	14.21	PASS
N7	15MHz	64QAM	507000	75RB#0	13.447	14.21	PASS
N7	15MHz	256QAM	507000	75RB#0	13.475	14.23	PASS
N7	15MHz	BPSK	507000	75RB#0	13.486	14.24	PASS
N7	20MHz	QPSK	507000	100RB#0	17.906	18.95	PASS
N7	20MHz	16QAM	507000	100RB#0	17.921	18.93	PASS
N7	20MHz	64QAM	507000	100RB#0	17.946	18.94	PASS
N7	20MHz	BPSK	507000	100RB#0	17.936	18.94	PASS
N7	20MHz	256QAM	507000	100RB#0	17.897	18.92	PASS

Test Graphs

N7-5MHz-QPSK-507000-25RB#0



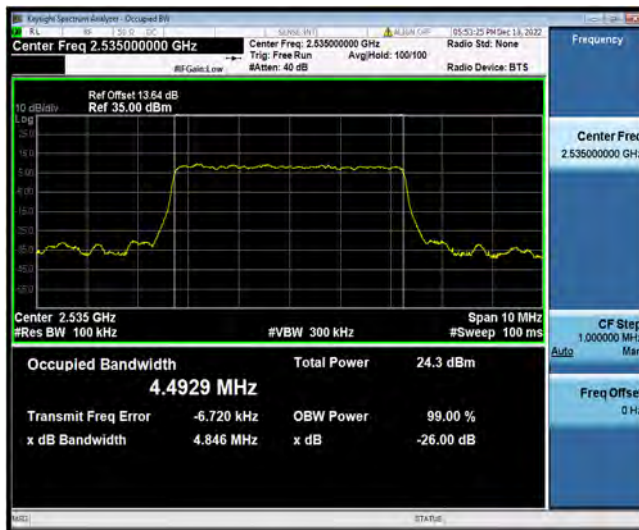
N7-5MHz-16QAM-507000-25RB#0



N7-5MHz-64QAM-507000-25RB#0



N7-5MHz-BPSK-507000-25RB#0



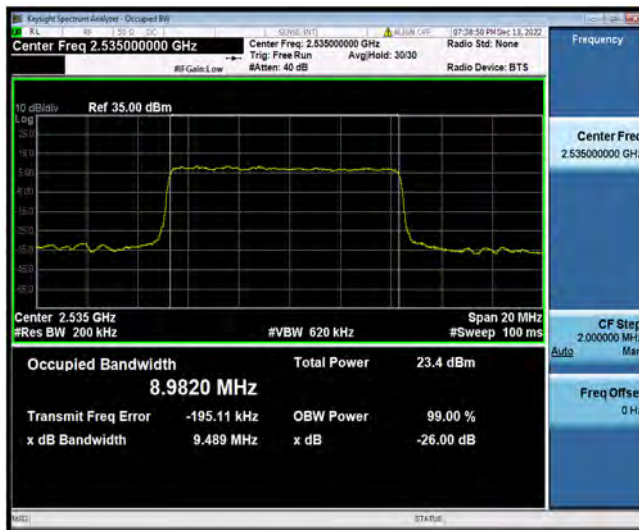
N7-5MHz-256QAM-507000-25RB#0



N7-10MHz-QPSK-507000-50RB#0



N7-10MHz-16QAM-507000-50RB#0



N7-10MHz-64QAM-507000-50RB#0



N7-10MHz-256QAM-507000-50RB#0



N7-10MHz-BPSK-507000-50RB#0



N7-15MHz-QPSK-507000-75RB#0



N7-15MHz-16QAM-507000-75RB#0