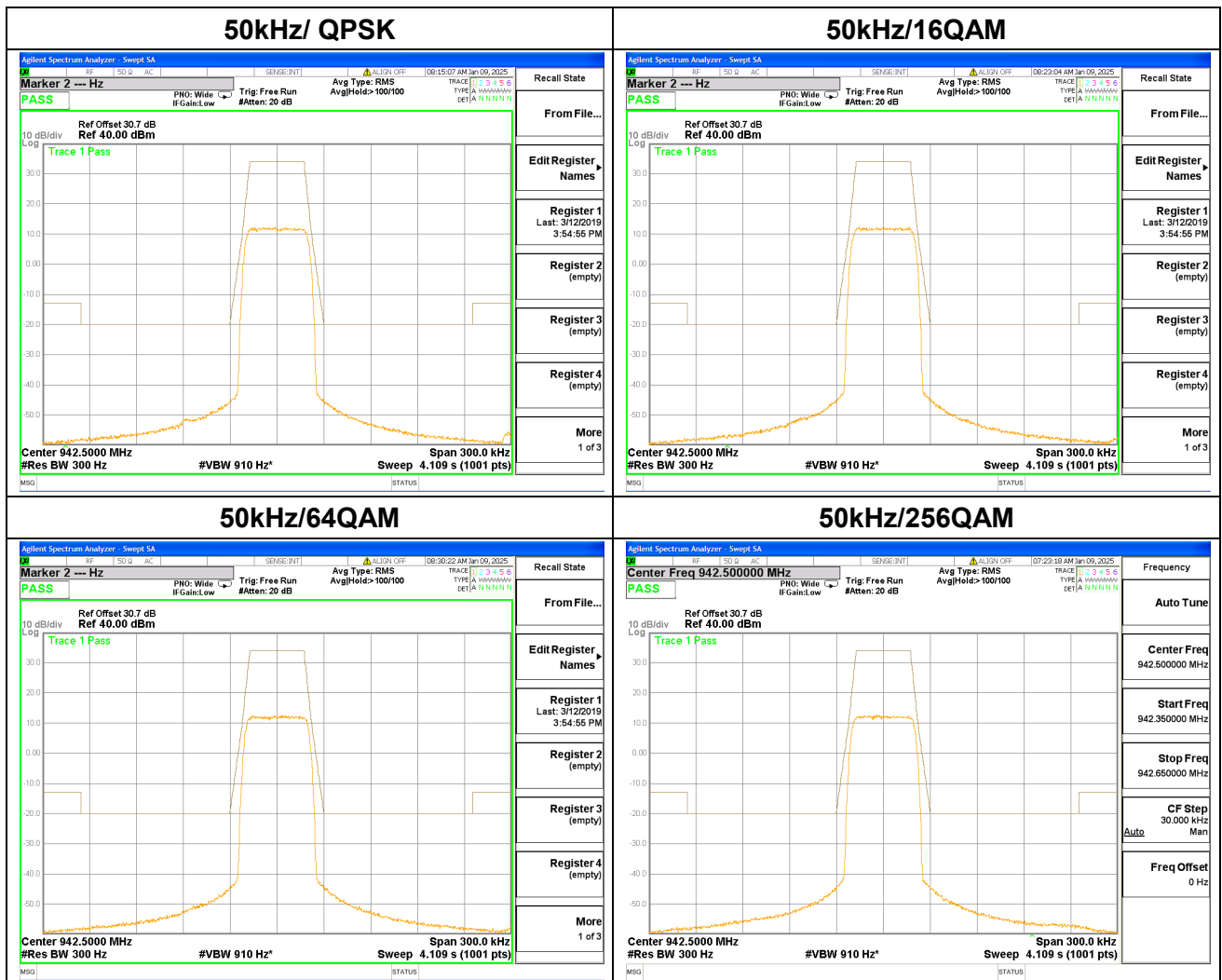
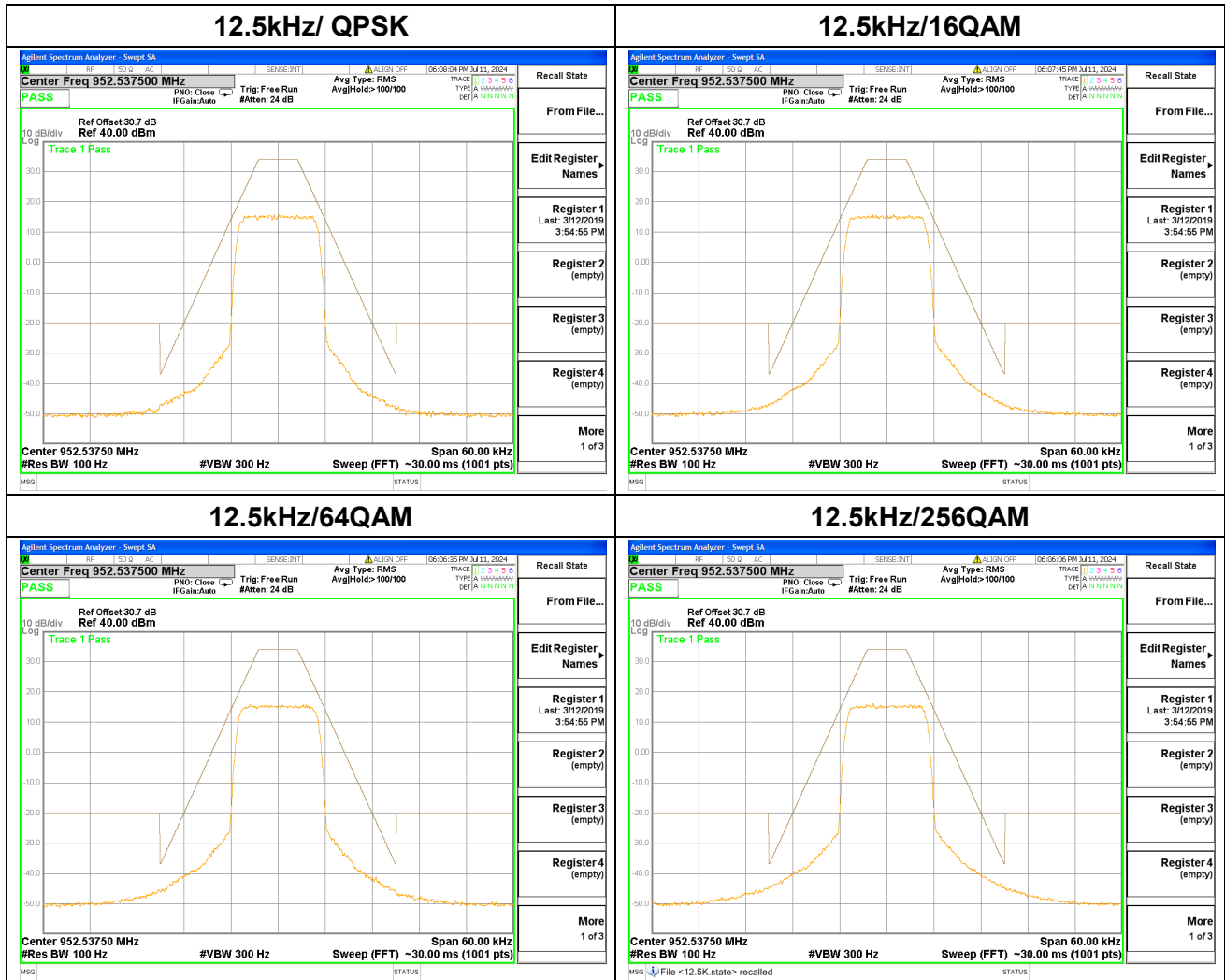
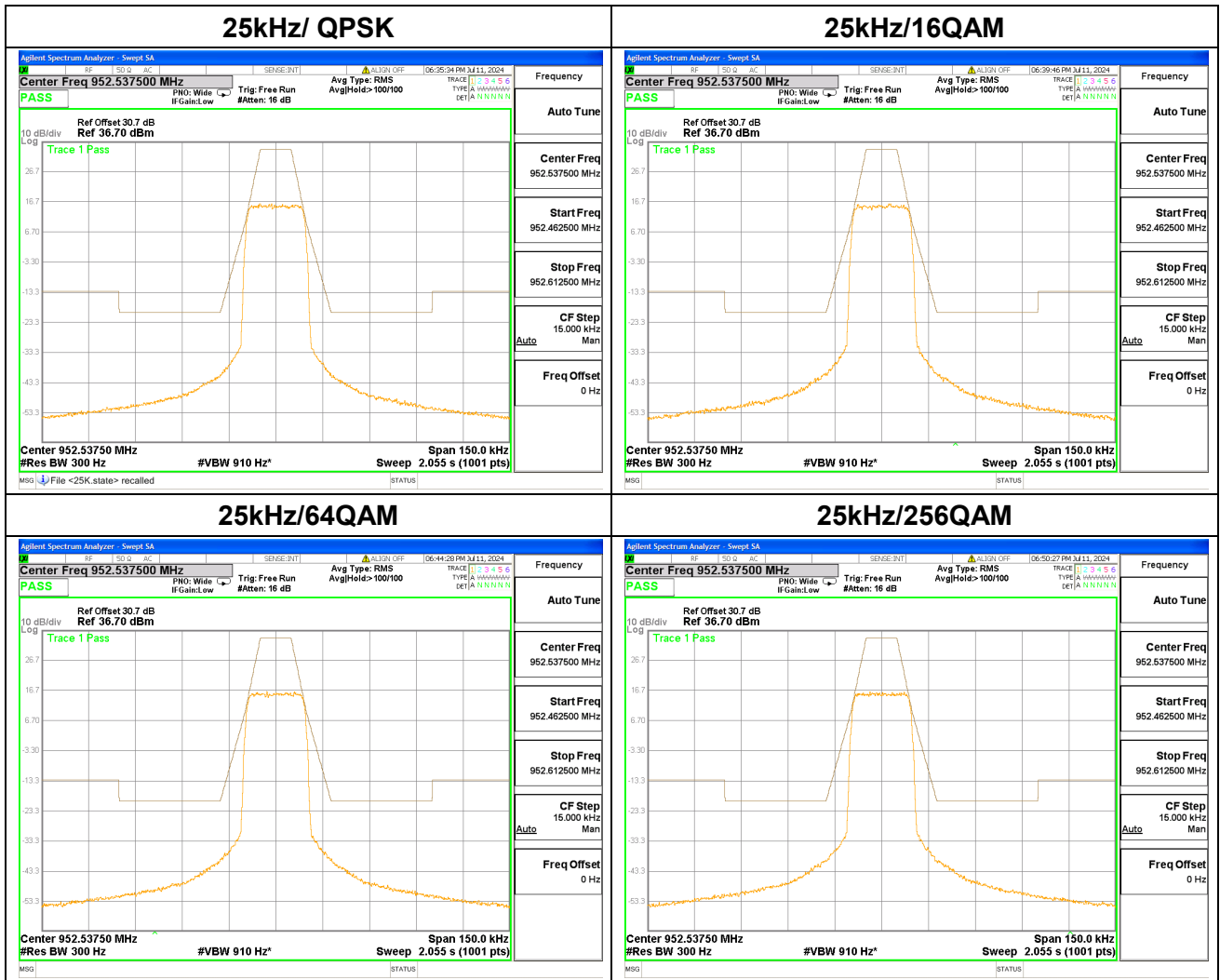


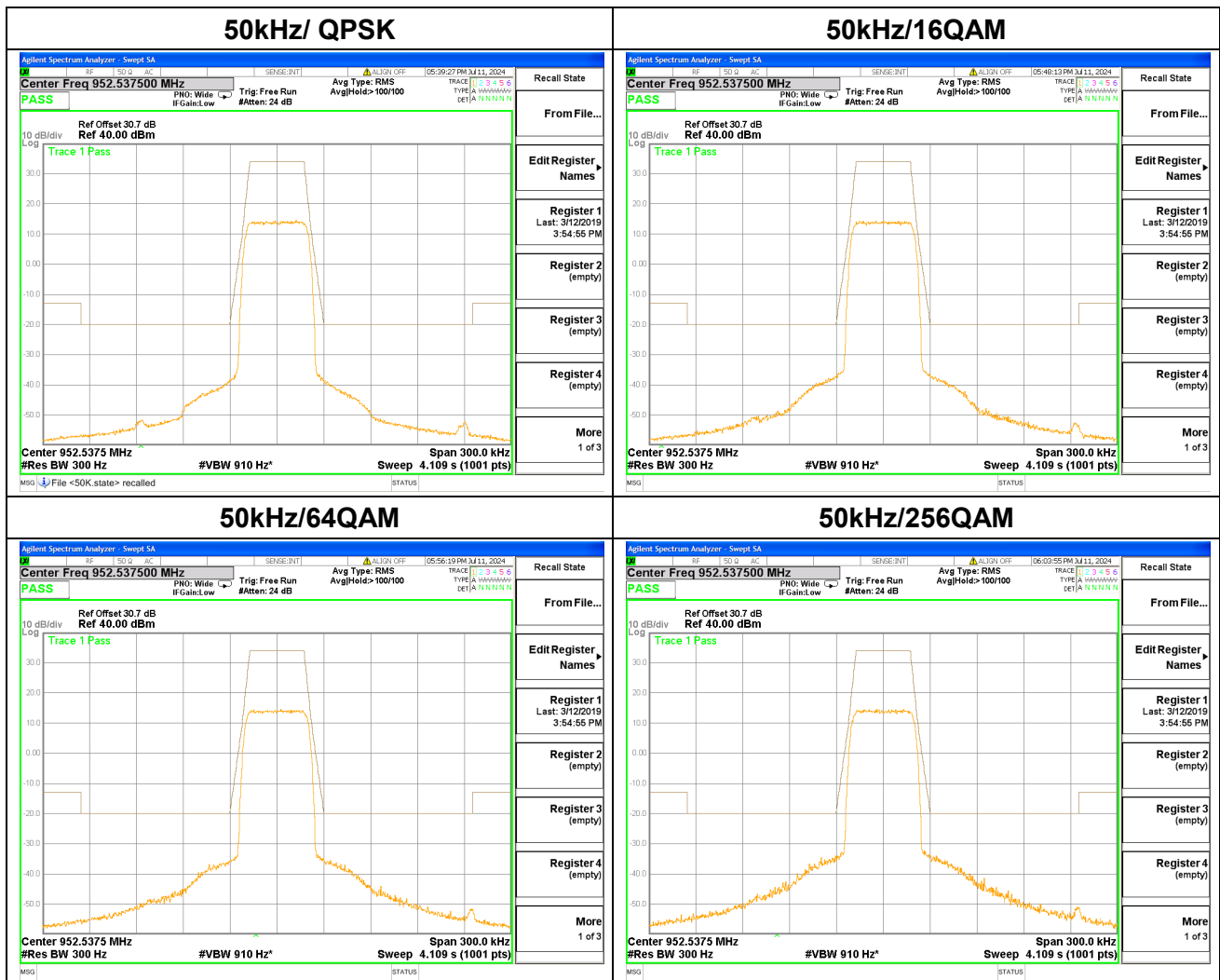




Nominal Frequency: 952.5375 MHz Tx Port: Channel H

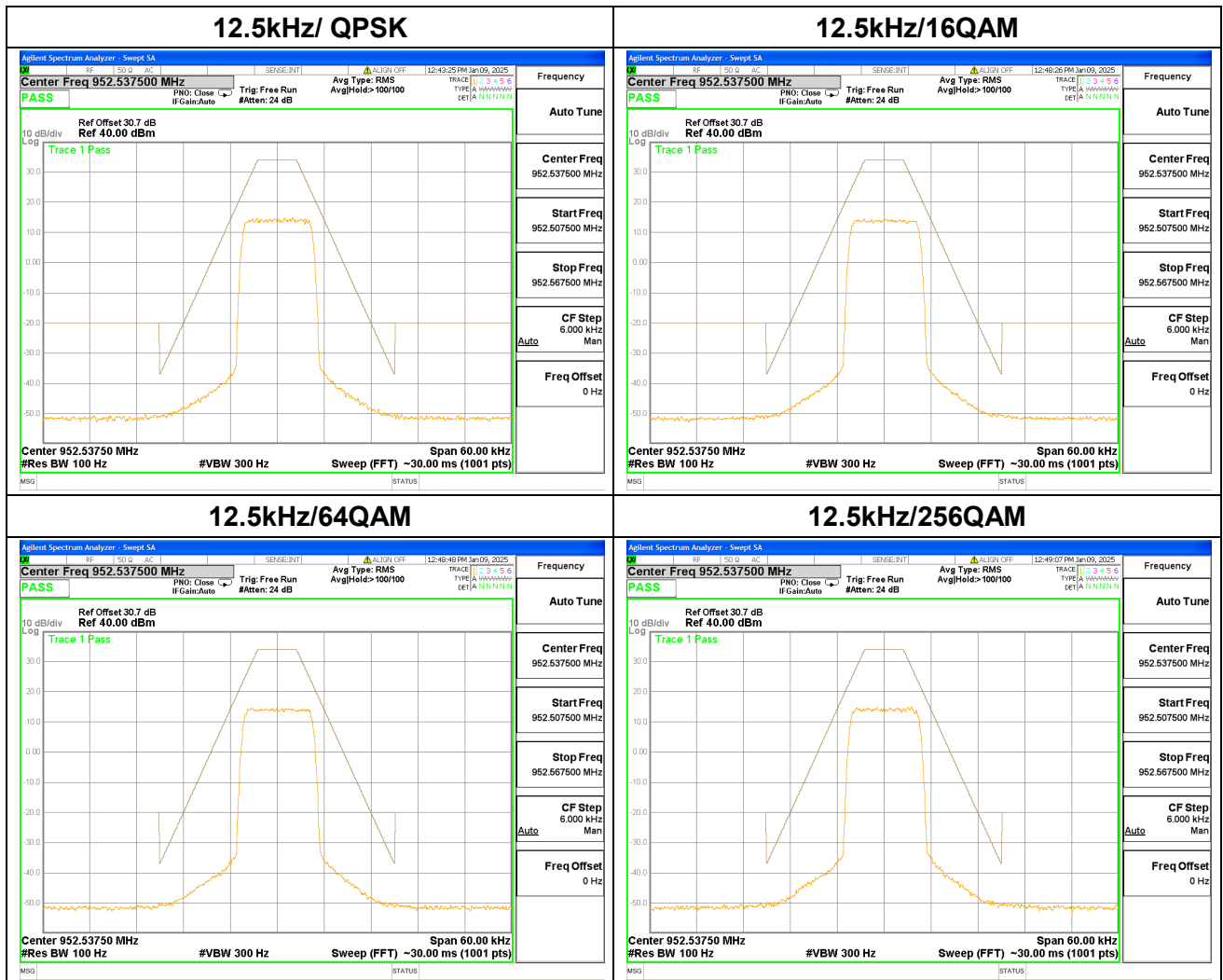


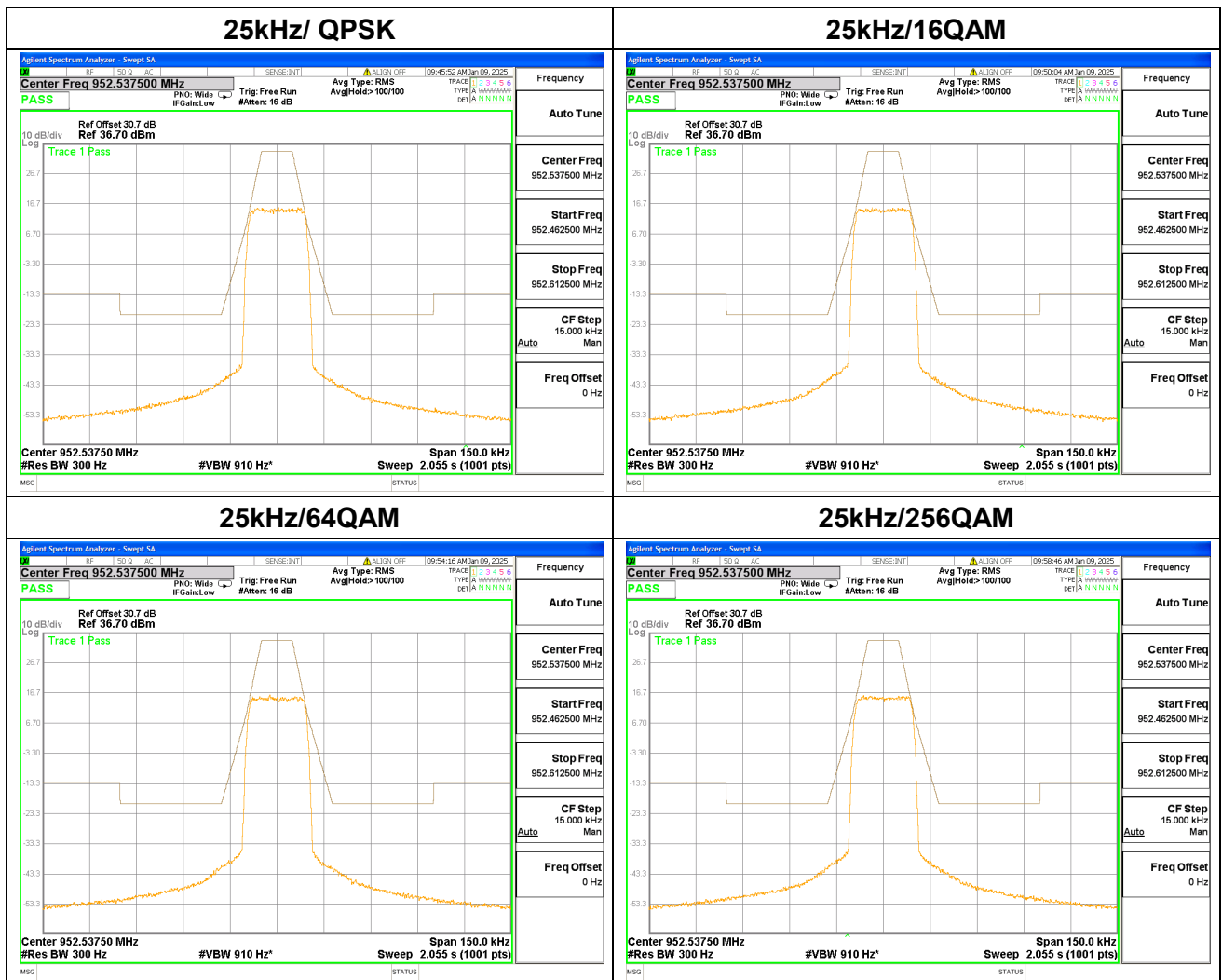


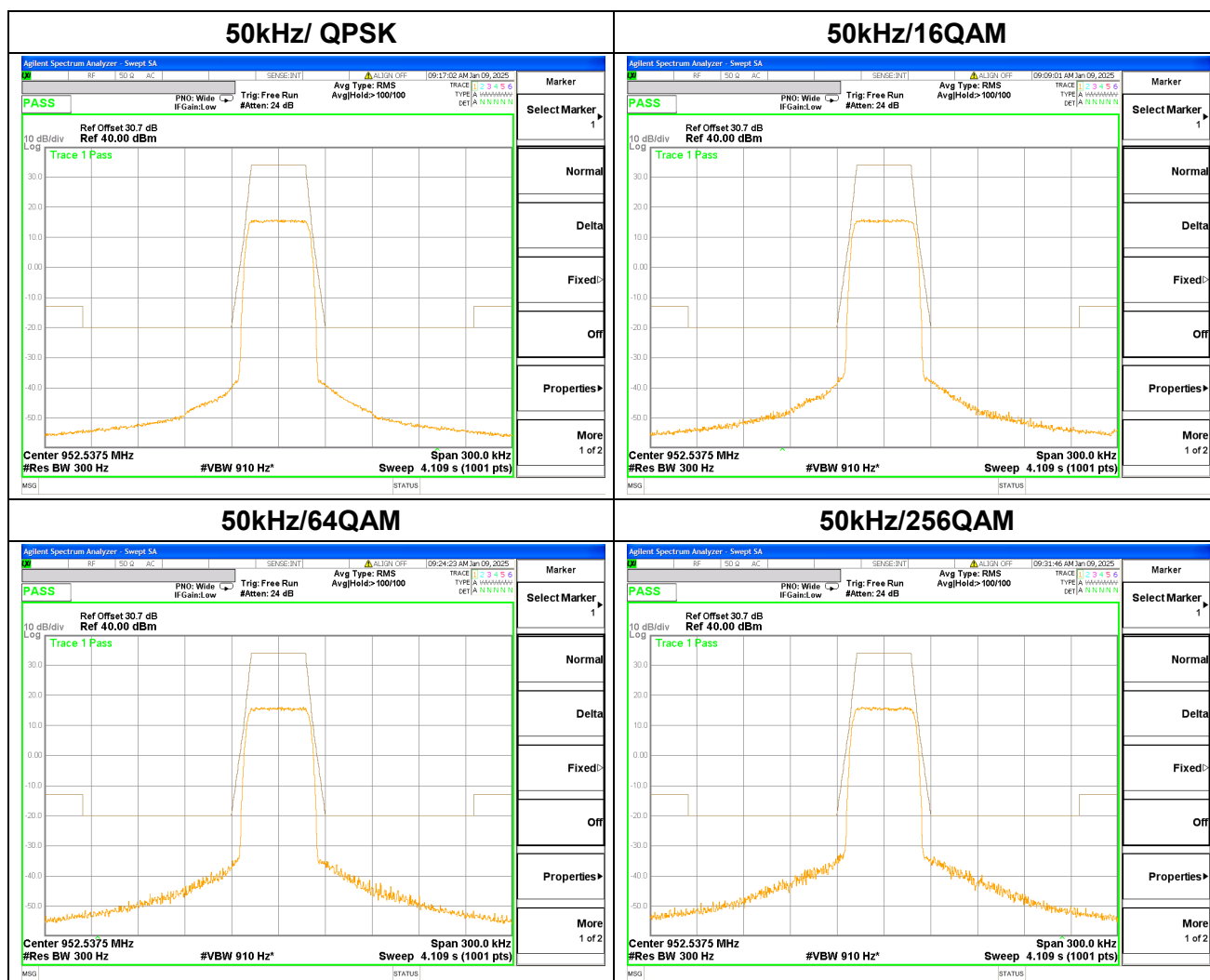




Nominal Frequency: 952.5375 MHz Tx Port: Channel V







2.4. Radiated Spurious Emissions

2.4.1. Requirement

According to FCC section 2.1053 and section 24.133(a). For operations in the 930-931 MHz&940-941MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On any frequency outside the 930-931 MHz&940-941MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;

According to FCC section 2.1053, 101.111 section

When using transmissions employing digital modulation techniques on the 900 MHz multiple address frequencies with a 12.5 KHz bandwidth, the power of any emission must be attenuated below the unmodulated carrier power of the transmitter (P) in accordance with the following schedule:

(i) On any frequency removed from the center of the authorized bandwidth by a displacement frequency greater than 15 KHz: At least 50 plus $10 \log_{10}(P)$ or 70 decibels, whichever is the lesser attenuation.

When using transmissions employing digital modulation techniques on the 900 MHz multiple address frequencies with a bandwidth greater than 12.5 KHz, the power of any emission must be attenuated below the unmodulated carrier power of the transmitter (P) in accordance with the following schedule:

(ii) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (fd in KHz) of more than 5 KHz up to and including 10 KHz: At least $83 \log_{10} (fd/5)$ decibels;

2.4.2. Test Result

Note 1: No discrete emissions were detected.

Note 2: The power of the EUT transmitting frequency should be ignored.

Note 3: N/A means the frequency is the basic frequency; they are no need to verdict.

Note 4: For measurements below 1GHz the resolution bandwidth is set to 100 kHz for peak detection measurements. For measurements above 1GHz the resolution bandwidth is set to 1MHz for peak measurements.

Note 5: All bandwidth and modulation were considered and evaluated respectively by performing full test; only the worst cases were recorded in this test report.



Note 6: The received power level is the measured power adjusted for measurement antenna gain, connecting cable loss, and any external signal amplification or attenuation used in the test configuration. Mathematically, as in Equation:

$$P_R = P_{\text{meas}} - G_R + L_C - G_{\text{amp}}$$

where

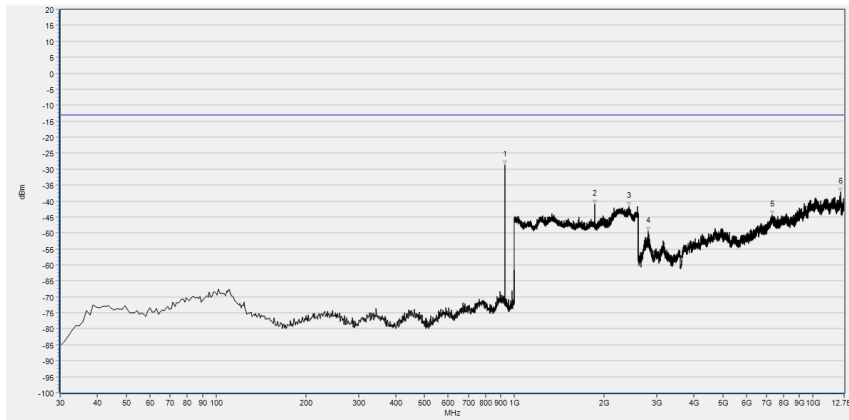
P_{meas} measured power level, in dBm;

G_R gain of the receive (measurement) antenna, in dBi;

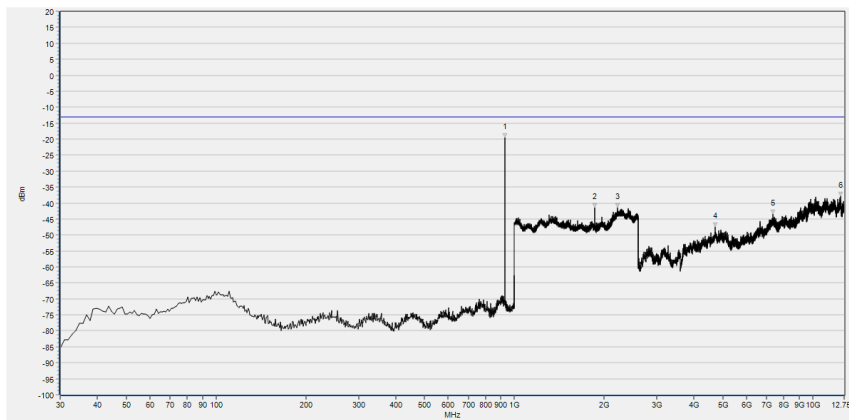
L_C signal loss in the measurement cable, in dB;

G_{amp} value of external amplification, in dB.

Nominal Frequency 928.5375MHz, 50kHz BW, 256QAM

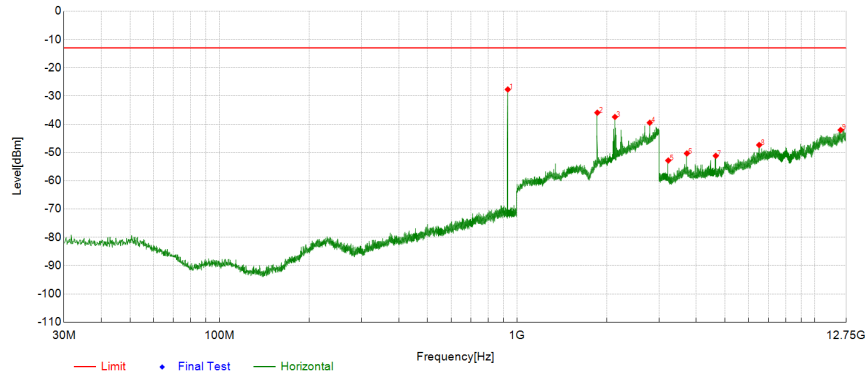


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	928.220	-28.72	-13.00	H	NA
2	1856.663	-41.01	-13.00	H	PASS
3	2420.088	-41.72	-13.00	H	PASS
4	2803.037	-49.48	-13.00	H	PASS
5	7312.302	-44.42	-13.00	H	PASS
6	12432.524	-37.30	-13.00	H	PASS

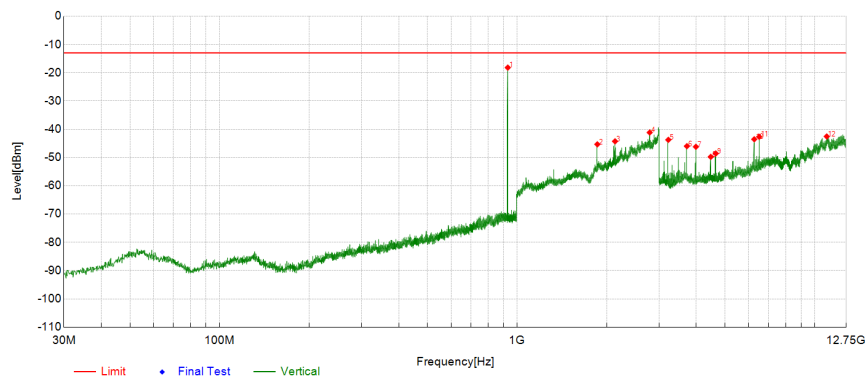


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	928.220	-19.61	-13.00	V	NA
2	1857.303	-41.50	-13.00	V	PASS
3	2218.407	-41.51	-13.00	V	PASS
4	4717.121	-47.43	-13.00	V	PASS
5	7367.676	-43.42	-13.00	V	PASS
6	12402.991	-37.84	-13.00	V	PASS

Nominal Frequency 930.5MHz, 50kHz BW, 256QAM



No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	930.645	-22.96	-13.00	H	NA
2	1861	-41.19	-13.00	H	PASS
3	2132.5	-44.17	-13.00	H	PASS
4	2791.75	-51.94	-13.00	H	PASS
5	3221.8236	-52.45	-13.00	H	PASS
6	3722.0236	-51.88	-13.00	H	PASS
7	4652.7076	-54.50	-13.00	H	NA
8	6512.6131	-57.95	-13.00	H	NA
9	12229.8115	-63.92	-13.00	H	NA



No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	930.5238	-13.59	-13.00	V	NA
2	1861.25	-50.50	-13.00	V	PASS
3	2134.5	-50.96	-13.00	V	PASS
4	2791.25	-53.48	-13.00	V	PASS
5	3223.2862	-43.17	-13.00	V	PASS
6	3722.0236	-47.50	-13.00	V	PASS

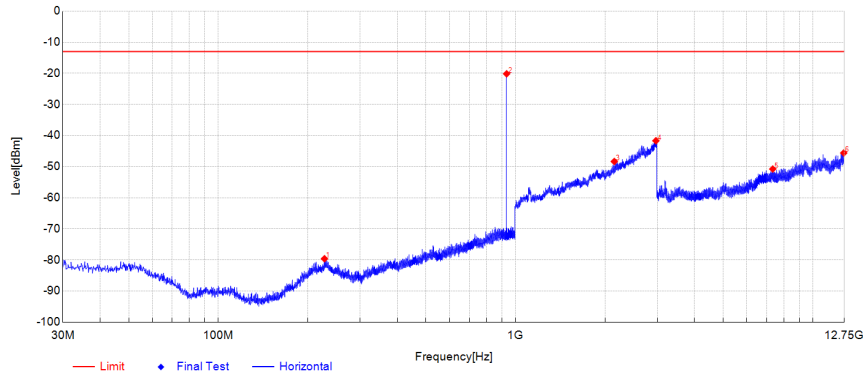


REPORT No.: SZ24060163W02

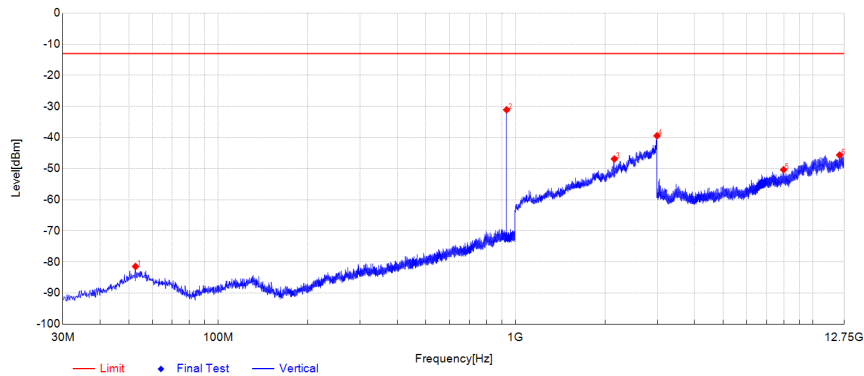
7	3990.6495	-47.28	-13.00	V	NA
8	4476.7113	-52.63	-13.00	V	NA
9	4652.7076	-51.70	-13.00	V	NA
10	6267.8759	-52.43	-13.00	V	NA
11	6513.5882	-52.01	-13.00	V	NA
12	10983.2117	-64.32	-13.00	V	NA



Nominal Frequency 933.5MHz, 50kHz BW, 256QAM

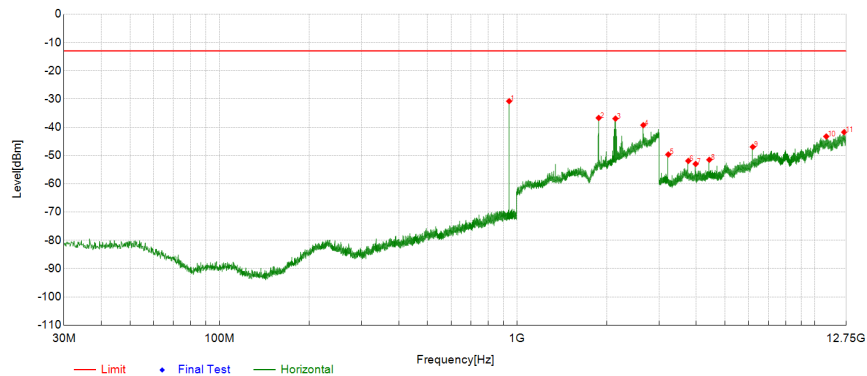


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	227.6375	-79.61	-13.0	H	PASS
2	933.555	-20.14	-	H	NA
3	2149.5	-48.34	-13.0	H	PASS
4	2968	-41.67	-13.0	H	PASS
5	7336.5293	-50.77	-13.0	H	PASS
6	12718.3109	-45.59	-13.0	H	PASS

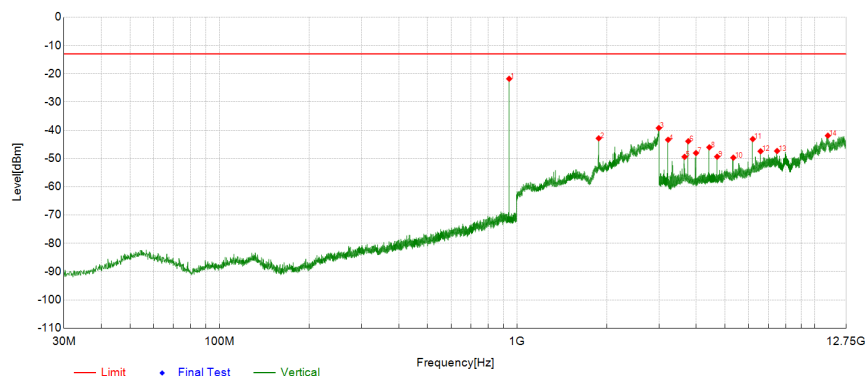


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	52.6738	-81.45	-13.0	V	PASS
2	933.555	-31.08	-	V	NA
3	2151.5	-46.88	-13.0	V	PASS
4	2993.5	-39.44	-13.0	V	PASS
5	7983.4742	-50.34	-13.0	V	PASS
6	12320.0035	-45.62	-13.0	V	PASS

Nominal Frequency 940.5MHz, 50kHz BW, 256QAM



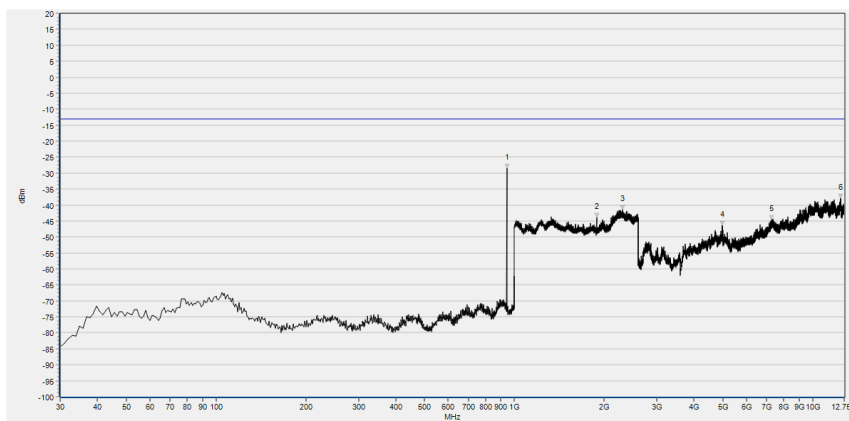
No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	940.5875	-26.13	-13.00	H	NA
2	1881	-42.74	-13.00	H	PASS
3	2141.75	-43.68	-13.00	H	PASS
4	2656.25	-52.10	-13.00	H	PASS
5	3222.3111	-49.26	-13.00	H	PASS
6	3762.4881	-53.06	-13.00	H	PASS
7	3982.8491	-54.39	-13.00	H	NA
8	4426.9838	-54.60	-13.00	H	NA
9	6197.6724	-56.96	-13.00	H	NA
10	10943.2347	-64.23	-13.00	H	NA
11	12574.4912	-65.01	-13.00	H	NA



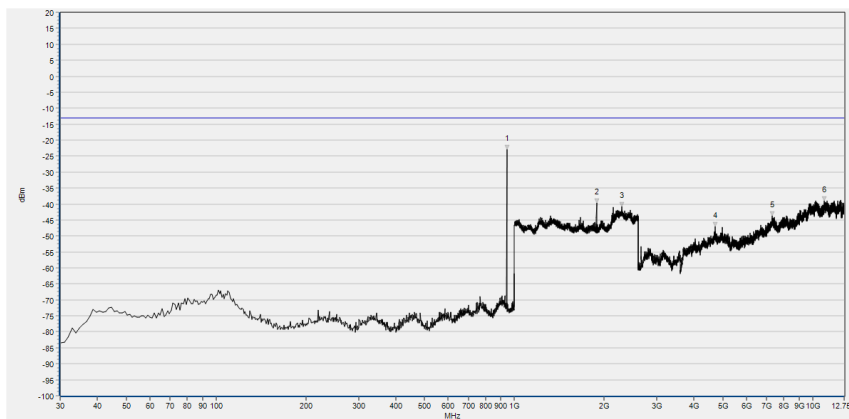
No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	940.5875	-17.01	-13.00	V	NA
2	1881	-48.76	-13.00	V	PASS
3	2995.25	-55.94	-13.00	V	PASS
4	3216.9483	-42.86	-13.00	V	PASS
5	3655.2328	-51.05	-13.00	V	PASS

6	3762.0006	-44.94	-13.00	V	PASS
7	3993.0872	-49.14	-13.00	V	PASS
8	4426.9838	-48.84	-13.00	V	PASS
9	4702.9226	-52.76	-13.00	V	PASS
10	5331.8291	-55.18	-13.00	V	PASS
11	6197.6724	-52.47	-13.00	V	PASS
12	6583.3042	-57.36	-13.00	V	PASS
13	7481.3241	-59.32	-13.00	V	PASS
14	11079.254	-64.23	-13.00	V	PASS

Nominal Frequency 942.5375MHz, 50kHz BW, 256QAM

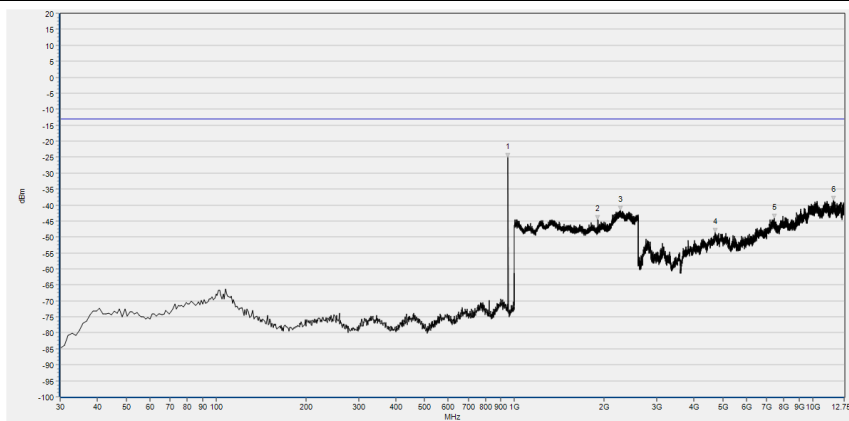


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	942.770	-28.42	-13.00	H	NA
2	1884.834	-43.98	-13.00	H	PASS
3	2300.360	-41.42	-13.00	H	PASS
4	4981.069	-46.37	-13.00	H	PASS
5	7290.153	-44.50	-13.00	H	PASS
6	12404.837	-37.94	-13.00	H	PASS



No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	942.770	-23.00	-13.00	V	NA
2	1884.834	-39.66	-13.00	V	PASS
3	2295.878	-40.87	-13.00	V	PASS
4	4707.892	-47.11	-13.00	V	PASS
5	7327.069	-43.66	-13.00	V	PASS
6	10931.897	-39.09	-13.00	V	PASS

Nominal Frequency 952.5375MHz, 50kHz BW, 256QAM



No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	952.470	-25.25	-13.00	H	NA
2	1904.682	-44.65	-13.00	H	PASS
3	2265.146	-41.76	-13.00	H	PASS
4	4707.892	-48.69	-13.00	H	PASS
5	7423.050	-44.06	-13.00	H	PASS
6	11756.965	-38.55	-13.00	H	PASS



No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	952.470	-18.34	-13.00	V	NA
2	1904.682	-42.53	-13.00	V	PASS



REPORT No.: SZ24060163W02

3	2267.707	-41.68	-13.00	V	PASS
4	4713.430	-48.54	-13.00	V	PASS
5	7882.651	-43.15	-13.00	V	PASS
6	11773.577	-38.22	-13.00	V	PASS



2.5. Frequency Stability

2.5.1. Requirement

According to FCC section 2.1055, FCC section 24.135.e and FCC section 101.107 frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 24.135, the test conditions are:

The frequency stability of the transmitter shall be maintained within ± 0.0001 percent (± 1 ppm) of the center frequency over a temperature variation of -30 °Celsius to $+50$ °Celsius at normal supply voltage, and over a variation in the primary supply voltage of 85 percent to 115 percent of the rated supply voltage at a temperature of 20 °Celsius..

2.5.2. Test Results

928.5375MHz QPSK 12.5kHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	24.0	+20(Ref)	-20	-0.022	PASS
100		-40	23	0.025	
100		-30	22	0.024	
100		-20	8	0.009	
100		-10	16	0.017	
100		0	-3	-0.003	
100		+10	15	0.016	
100		+20	1	0.001	
100		+30	17	0.018	
100		+40	17	0.018	
100		+50	22	0.024	
100		+60	-10	-0.011	
100		+70	20	0.022	
115	60	+20	13	0.014	
85	10.5	+20	23	0.025	



928.5375MHz QPSK 25kHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	24.0	+20(Ref)	-13	-0.014	PASS
100		-40	20	0.022	
100		-30	-21	-0.023	
100		-20	-19	-0.020	
100		-10	1	0.001	
100		0	16	0.017	
100		+10	14	0.015	
100		+20	19	0.020	
100		+30	-2	-0.002	
100		+40	18	0.019	
100		+50	20	0.022	
100		+60	17	0.018	
100		+70	20	0.022	
115	60	+20	14	0.015	
85	10.5	+20	-1	-0.001	



928.5375MHz QPSK 50kHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	24.0	+20(Ref)	14	0.015	PASS
100		-40	-17	-0.018	
100		-30	-1	-0.001	
100		-20	19	0.020	
100		-10	-21	-0.023	
100		0	7	0.008	
100		+10	14	0.015	
100		+20	18	0.019	
100		+30	13	0.014	
100		+40	-9	-0.010	
100		+50	19	0.020	
100		+60	16	0.017	
100		+70	-10	-0.011	
115	60	+20	14	0.015	
85	10.5	+20	19	0.020	



930.5MHz QPSK 12.5kHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	24.0	+20(Ref)	15	0.016	PASS
100		-40	16	0.017	
100		-30	-1	-0.001	
100		-20	13	0.014	
100		-10	-22	-0.024	
100		0	-22	-0.024	
100		+10	8	0.009	
100		+20	13	0.014	
100		+30	17	0.018	
100		+40	-10	-0.011	
100		+50	16	0.017	
100		+60	23	0.025	
100		+70	9	0.010	
115	60	+20	20	0.021	
85	10.5	+20	20	0.021	



930.5MHz QPSK 25.0kHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	24.0	+20(Ref)	1	0.001	PASS
100		-40	17	0.018	
100		-30	12	0.013	
100		-20	16	0.017	
100		-10	14	0.015	
100		0	-16	-0.017	
100		+10	-3	-0.003	
100		+20	14	0.015	
100		+30	0	0.000	
100		+40	15	0.016	
100		+50	-4	-0.004	
100		+60	20	0.021	
100		+70	4	0.004	
115	60	+20	13	0.014	
85	10.5	+20	18	0.019	



930.5MHz QPSK 50.0kHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	24.0	+20(Ref)	16	0.017	PASS
100		-40	-20	-0.021	
100		-30	16	0.017	
100		-20	-9	-0.010	
100		-10	16	0.017	
100		0	-3	-0.003	
100		+10	16	0.017	
100		+20	17	0.018	
100		+30	14	0.015	
100		+40	4	0.004	
100		+50	20	0.021	
100		+60	19	0.020	
100		+70	-16	-0.017	
115	60	+20	-12	-0.013	
85	10.5	+20	18	0.019	



933.5MHz QPSK 12.5kHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	24.0	+20(Ref)	-4	-0.004	PASS
100		-40	16	0.017	
100		-30	6	0.006	
100		-20	19	0.020	
100		-10	21	0.022	
100		0	21	0.022	
100		+10	-14	-0.015	
100		+20	-16	-0.017	
100		+30	-1	-0.001	
100		+40	19	0.020	
100		+50	15	0.016	
100		+60	18	0.019	
100		+70	18	0.019	
115	60	+20	13	0.014	
85	10.5	+20	13	0.014	



933.5MHz QPSK 25.0kHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	24.0	+20(Ref)	16	0.017	PASS
100		-40	18	0.019	
100		-30	13	0.014	
100		-20	14	0.015	
100		-10	18	0.019	
100		0	-22	-0.024	
100		+10	10	0.011	
100		+20	14	0.015	
100		+30	19	0.020	
100		+40	2	0.002	
100		+50	17	0.018	
100		+60	11	0.012	
100		+70	16	0.017	
115	60	+20	-22	-0.024	
85	10.5	+20	14	0.015	



933.5MHz QPSK 50.0kHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	24.0	+20(Ref)	14	0.015	PASS
100		-40	23	0.025	
100		-30	16	0.017	
100		-20	6	0.006	
100		-10	19	0.020	
100		0	-17	-0.018	
100		+10	5	0.005	
100		+20	15	0.016	
100		+30	3	0.003	
100		+40	16	0.017	
100		+50	19	0.020	
100		+60	17	0.018	
100		+70	20	0.021	
115	60	+20	18	0.019	
85	10.5	+20	-12	-0.013	



940.5MHz QPSK 12.5kHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	24.0	+20(Ref)	11	0.012	PASS
100		-40	20	0.021	
100		-30	15	0.016	
100		-20	-16	-0.017	
100		-10	-12	-0.013	
100		0	19	0.020	
100		+10	-19	-0.020	
100		+20	0	0.000	
100		+30	15	0.016	
100		+40	-20	-0.021	
100		+50	4	0.004	
100		+60	13	0.014	
100		+70	19	0.020	
115	60	+20	19	0.020	
85	10.5	+20	20	0.021	



940.5MHz QPSK 25.0kHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	24.0	+20(Ref)	17	0.018	PASS
100		-40	6	0.006	
100		-30	18	0.019	
100		-20	-20	-0.021	
100		-10	-15	-0.016	
100		0	-1	-0.001	
100		+10	19	0.020	
100		+20	-15	-0.016	
100		+30	-7	-0.007	
100		+40	17	0.018	
100		+50	-19	-0.020	
100		+60	8	0.009	
100		+70	15	0.016	
115	60	+20	8	0.009	
85	10.5	+20	17	0.018	



940.5MHz QPSK 50.0kHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	24.0	+20(Ref)	-10	-0.011	PASS
100		-40	18	0.019	
100		-30	-20	-0.021	
100		-20	-7	-0.007	
100		-10	14	0.015	
100		0	7	0.007	
100		+10	18	0.019	
100		+20	20	0.021	
100		+30	16	0.017	
100		+40	19	0.020	
100		+50	16	0.017	
100		+60	-16	-0.017	
100		+70	-16	-0.017	
115	60	+20	-3	-0.003	
85	10.5	+20	18	0.019	



942.5MHz QPSK 12.5kHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	24.0	+20(Ref)	14	0.015	PASS
100		-40	-1	-0.001	
100		-30	16	0.017	
100		-20	-7	-0.007	
100		-10	16	0.017	
100		0	20	0.021	
100		+10	21	0.022	
100		+20	-3	-0.003	
100		+30	13	0.014	
100		+40	15	0.016	
100		+50	20	0.021	
100		+60	16	0.017	
100		+70	22	0.023	
115	60	+20	-23	-0.024	
85	10.5	+20	6	0.006	



942.5MHz QPSK 25.0kHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	24.0	+20(Ref)	-7	-0.007	PASS
100		-40	20	0.021	
100		-30	22	0.023	
100		-20	13	0.014	
100		-10	21	0.022	
100		0	-10	-0.011	
100		+10	18	0.019	
100		+20	15	0.016	
100		+30	14	0.015	
100		+40	20	0.021	
100		+50	-6	-0.006	
100		+60	15	0.016	
100		+70	15	0.016	
115	60	+20	-5	-0.005	
85	10.5	+20	20	0.021	



942.5MHz QPSK 50.0kHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	24.0	+20(Ref)	-17	-0.018	PASS
100		-40	6	0.006	
100		-30	16	0.017	
100		-20	16	0.017	
100		-10	19	0.020	
100		0	-10	-0.011	
100		+10	15	0.016	
100		+20	4	0.004	
100		+30	16	0.017	
100		+40	14	0.015	
100		+50	12	0.013	
100		+60	17	0.018	
100		+70	20	0.021	
115	60	+20	-10	-0.011	
85	10.5	+20	19	0.020	



952.5375MHz QPSK 12.5kHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	24.0	+20(Ref)	18	0.019	PASS
100		-40	-20	-0.021	
100		-30	22	0.023	
100		-20	-7	-0.007	
100		-10	15	0.016	
100		0	17	0.018	
100		+10	12	0.013	
100		+20	18	0.019	
100		+30	22	0.023	
100		+40	19	0.020	
100		+50	-14	-0.015	
100		+60	-3	-0.003	
100		+70	18	0.019	
115	60	+20	-6	-0.006	
85	10.5	+20	18	0.019	



952.5375MHz QPSK 25.0kHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	24.0	+20(Ref)	-7	-0.007	PASS
100		-40	20	0.021	
100		-30	22	0.023	
100		-20	13	0.014	
100		-10	21	0.022	
100		0	-10	-0.011	
100		+10	18	0.019	
100		+20	15	0.016	
100		+30	14	0.015	
100		+40	20	0.021	
100		+50	-6	-0.006	
100		+60	15	0.016	
100		+70	15	0.016	
115	60	+20	-5	-0.005	
85	10.5	+20	20	0.021	



952.5375MHz QPSK 50.0kHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	24.0	+20(Ref)	-17	-0.018	PASS
100		-40	6	0.006	
100		-30	16	0.017	
100		-20	16	0.017	
100		-10	19	0.020	
100		0	-10	-0.011	
100		+10	15	0.016	
100		+20	4	0.004	
100		+30	16	0.017	
100		+40	14	0.015	
100		+50	12	0.013	
100		+60	17	0.018	
100		+70	20	0.021	
115	60	+20	-10	-0.011	
85	10.5	+20	19	0.020	

Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

Test items	Uncertainty
Output Power	± 2.22 dB
Bandwidth	$\pm 5\%$
Conducted Spurious Emission	± 2.77 dB
Band Edge	± 2.77 dB
Equivalent Isotropic Radiated Power	± 2.22 dB
Radiated Spurious Emissions	± 6 dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.



Annex B Testing Laboratory Information

1. Identification of the Responsible Testing Laboratory

Company Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.



4. Test Equipment Utilized

4.1 Conducted Test Equipment

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
Attenuator 1	(N/A.)	30.0dB	Resnet	N/A	N/A
Attenuator 2	(N/A.)	30.0dB	Resnet	N/A	N/A
EXA Signal Analyzer	MY51511149	N9020A	Agilent	2024.06.19	2025.06.18
RF Cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
SMA Connector	CN01	RF03	HUBER-SUHNER	N/A	N/A
Temperature Chamber	S022177101 00089002	KMT-36LF 1A0	KOMEG	2024.09.11	2025.09.10

4.2 List of Software Used

Description	Manufacturer	Software Version
MORLAB EMCR	MORLAB	V1.2
TS+ [JS36-RSE]	Tonscend	5.0.0

**4.3 Radiated Test Equipment**

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal.Due
Bi-Log Antenna	9163-274	VULB 9163	SCHWARZBECK	2024.06.29	2025.06.28
Horn Antenna	9120D-963	BBHA 9120D	SCHWARZBECK	2024.06.03	2025.06.02
Signal Analyzer	MY56060145	N9020A	Agilent	2024.05.30	2025.05.29
6db Attenuator	E191001	BW-N6W5+	Mini-circuits	2024.09.11	2025.09.10
Preamplifier (2GHz-18GHz)	61171.61172	S020180L3203	LUCIX CORP.	2024.05.30	2025.05.29
Preamplifier (10MHz-6GHz)	46732	S10M100L3802	LUCIX CORP.	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2024.05.30	2025.05.29

_____ END OF REPORT _____