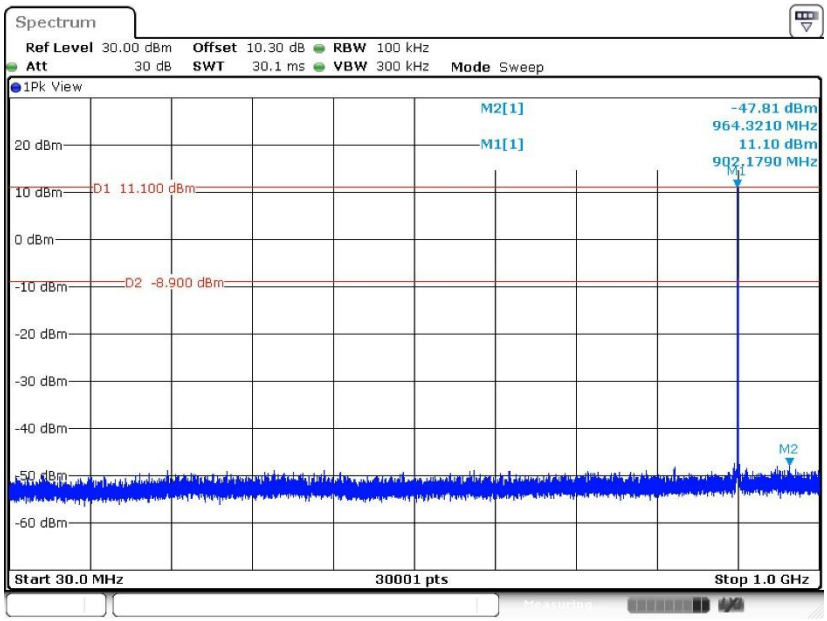
3.7.5 Test Result of Conducted Spurious Emission

<Data Rate 50kbps>

Low CH CSE Plot



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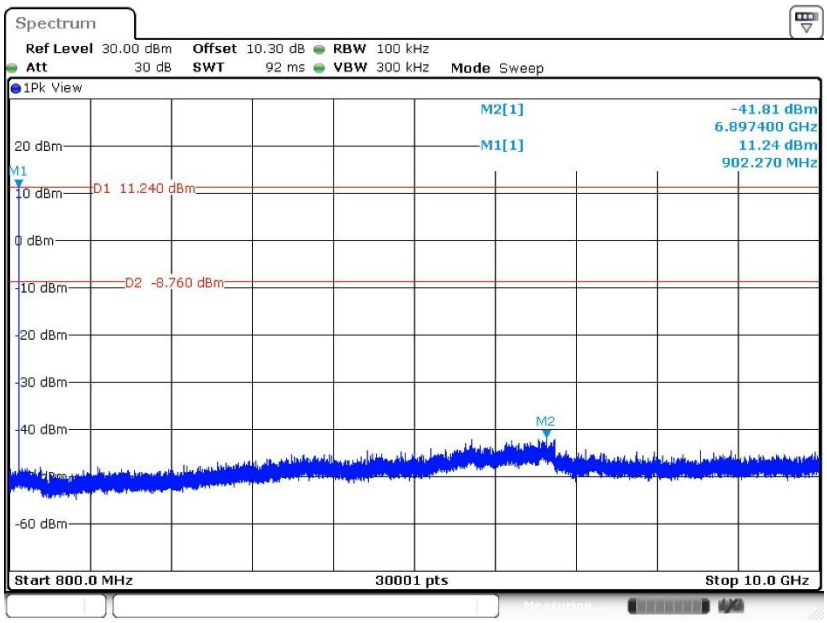

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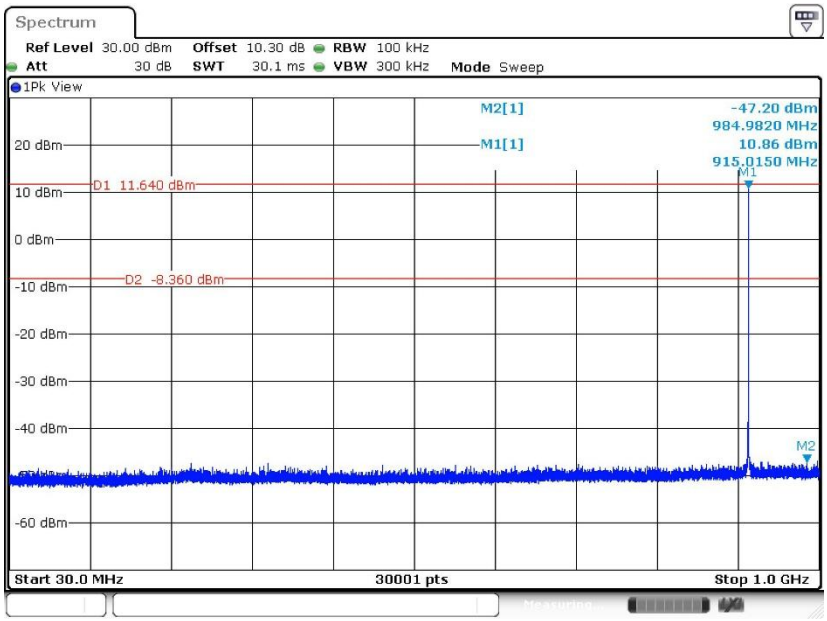

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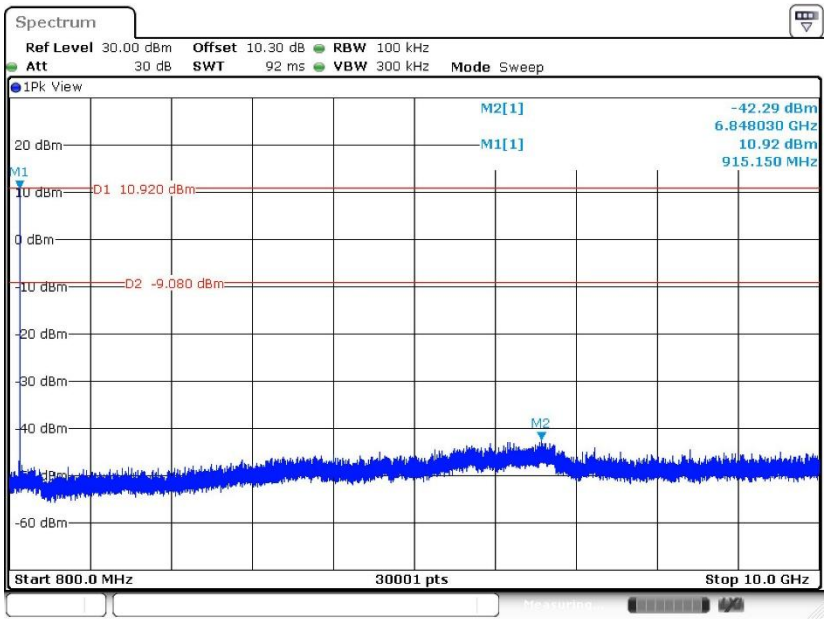

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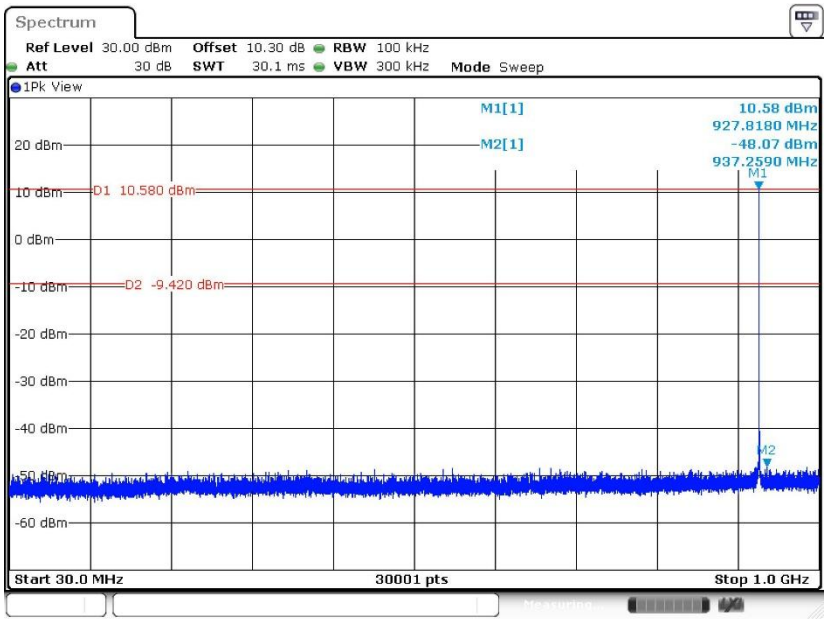
High CH CSE Plot



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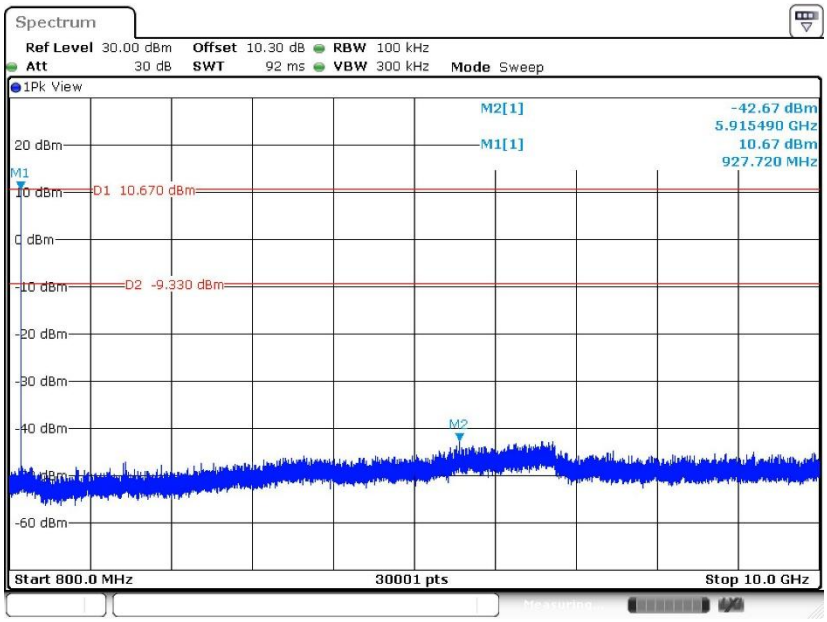
High CH CSE Plot



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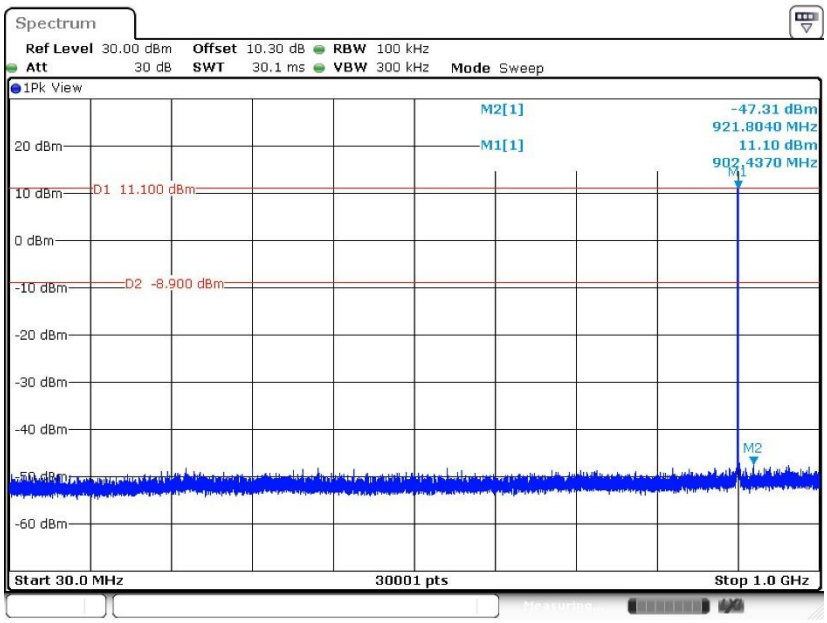

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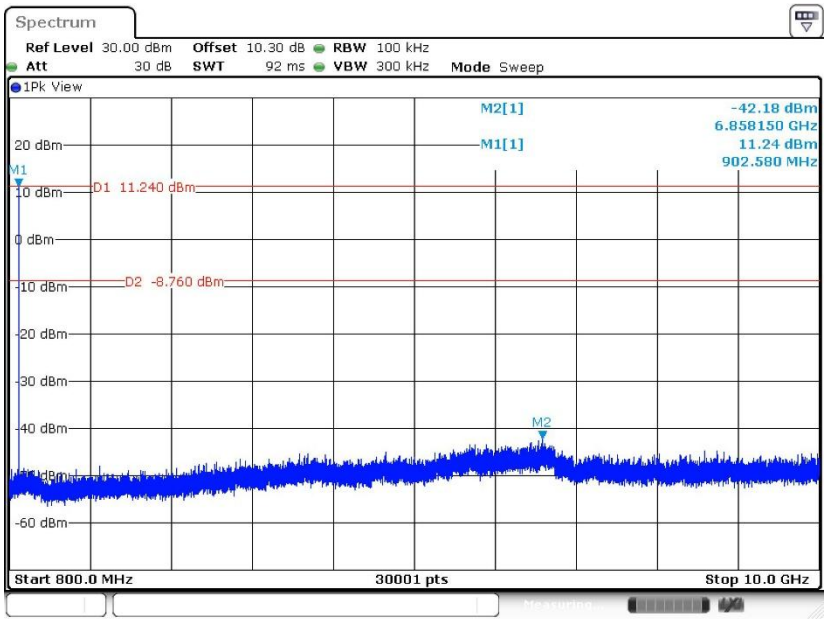
Low CH CSE Plot



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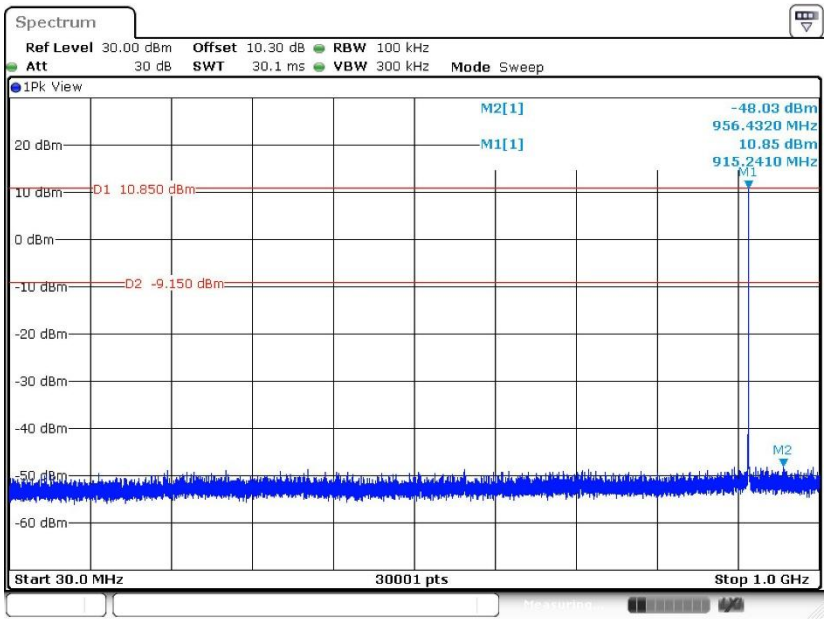
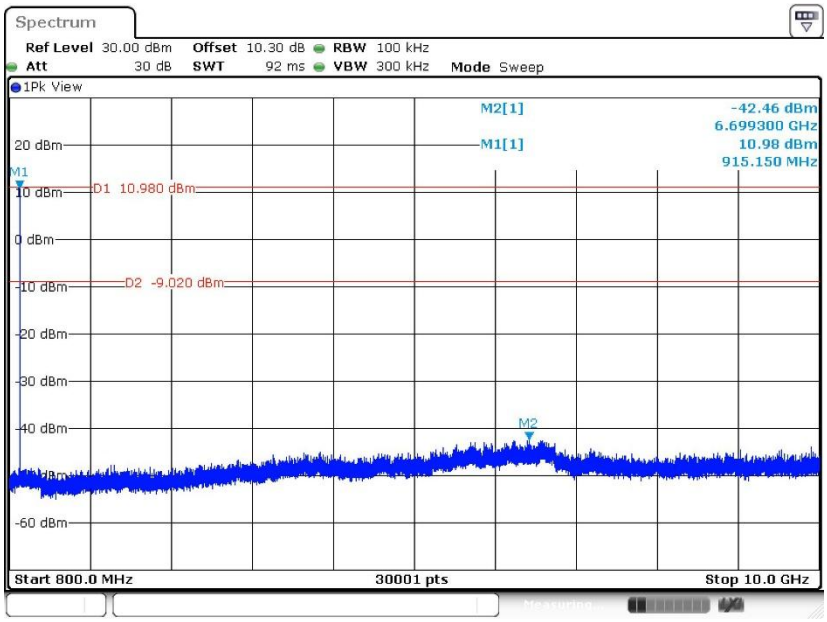
Mid CH CSE Plot



Date: 2.NOV.2025 17:51:25

Mid CH CSE Plot



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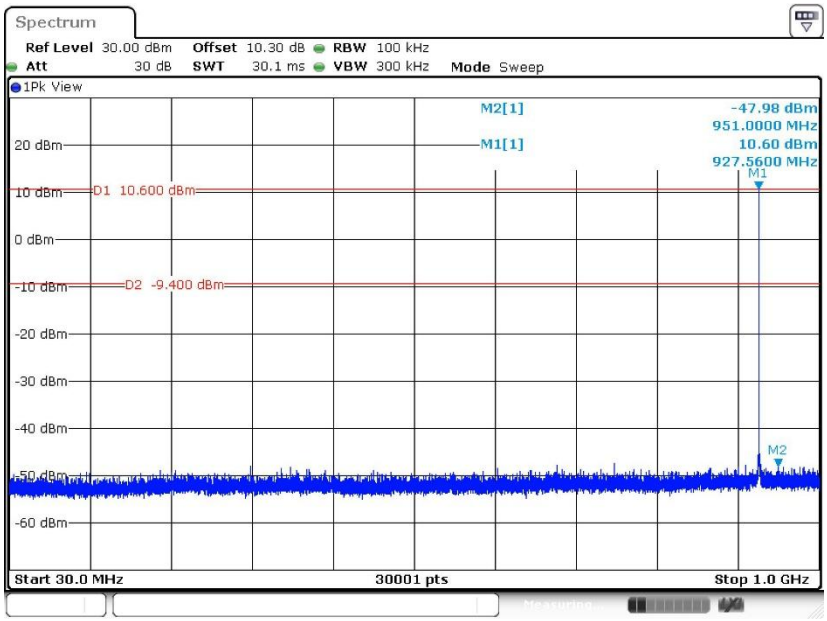
High CH CSE Plot



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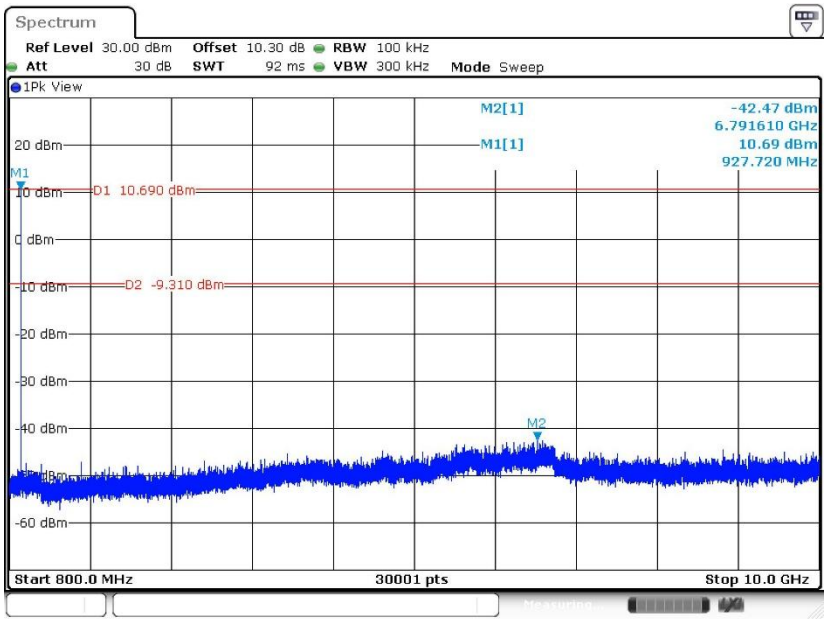
High CH CSE Plot



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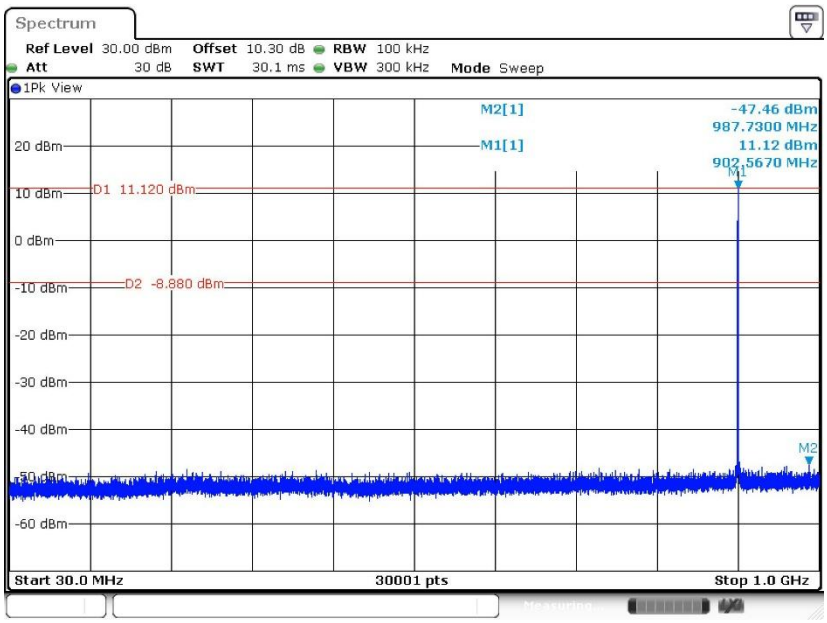
Low CH CSE Plot



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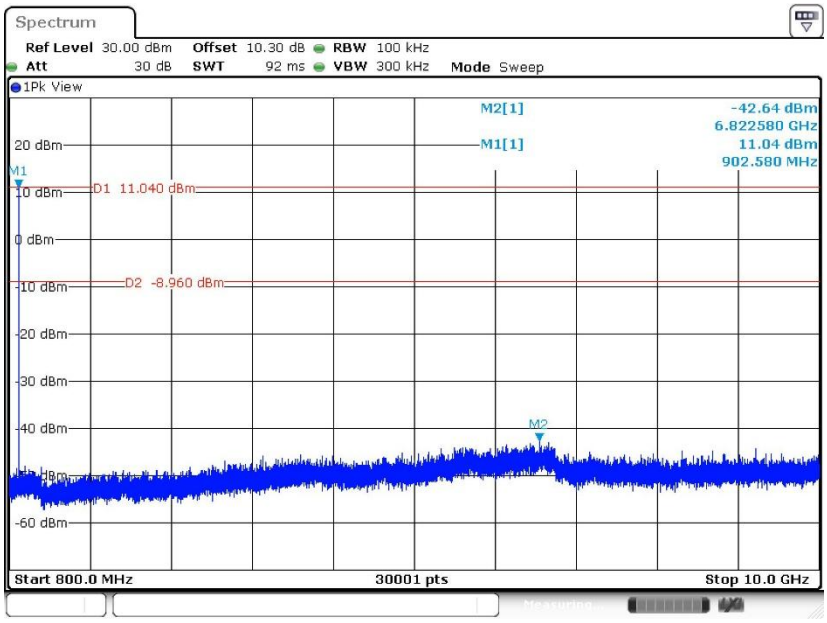
Low CH CSE Plot



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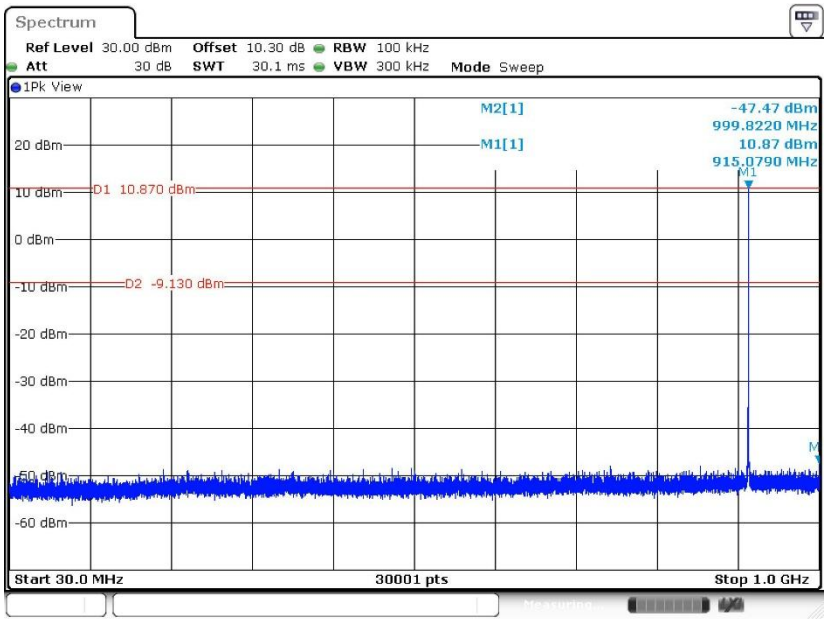
Mid CH CSE Plot



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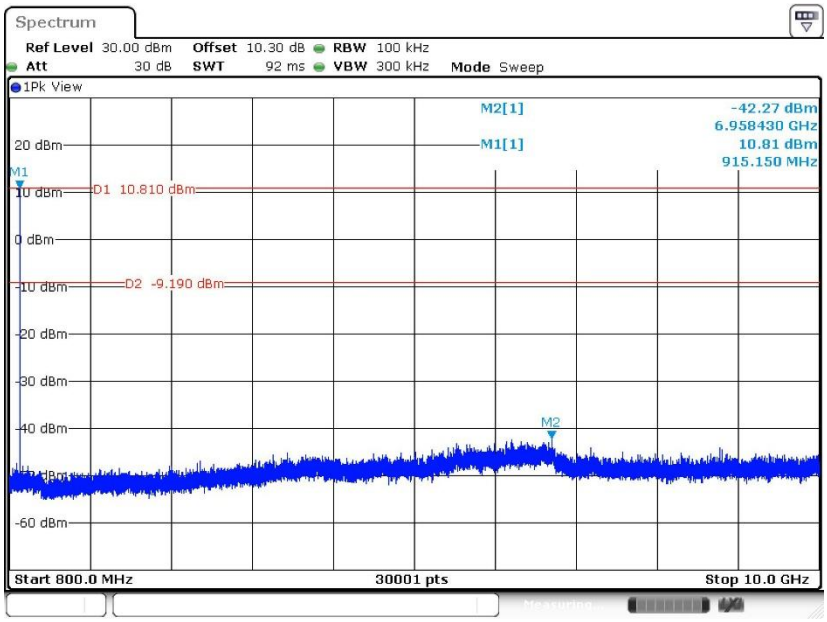
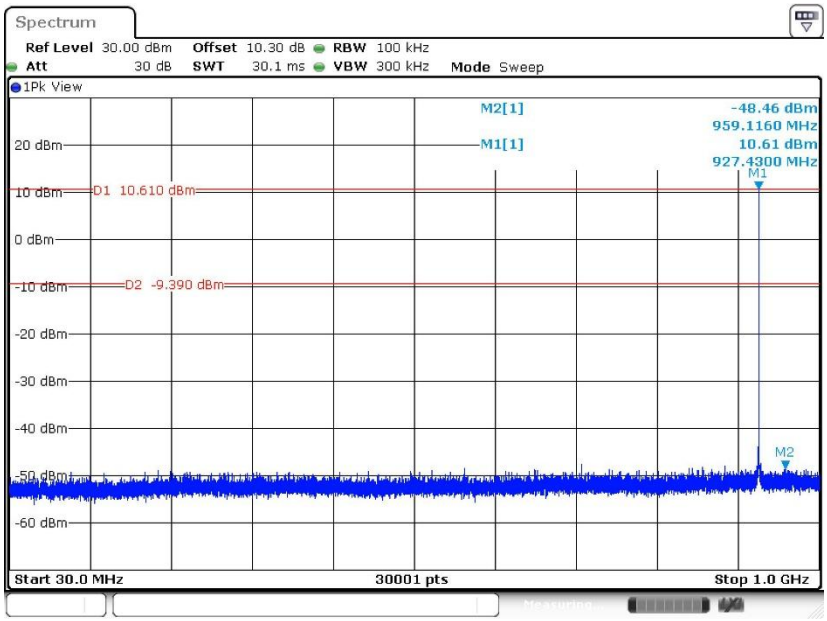
Mid CH CSE Plot



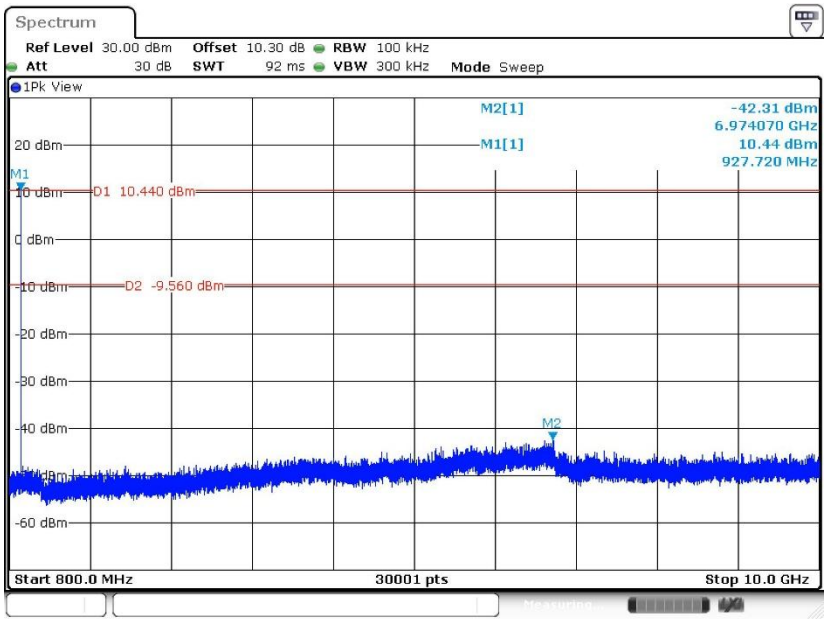
Date: 2.NOV.2025 18:07:29

High CH CSE Plot



Date: 2.NOV.2025 18:00:52

High CH CSE Plot



Date: 2.NOV.2025 17:59:05

3.8 Radiated Spurious Emission Measurement

3.8.1 Limit of Radiated Spurious Emission

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

3.8.2 Measuring Instruments

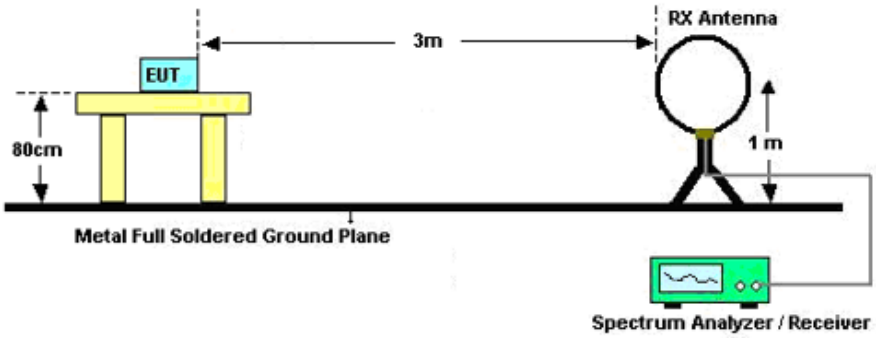
The measuring equipment is listed in the section 4 of this test report.

3.8.3 Test Procedures

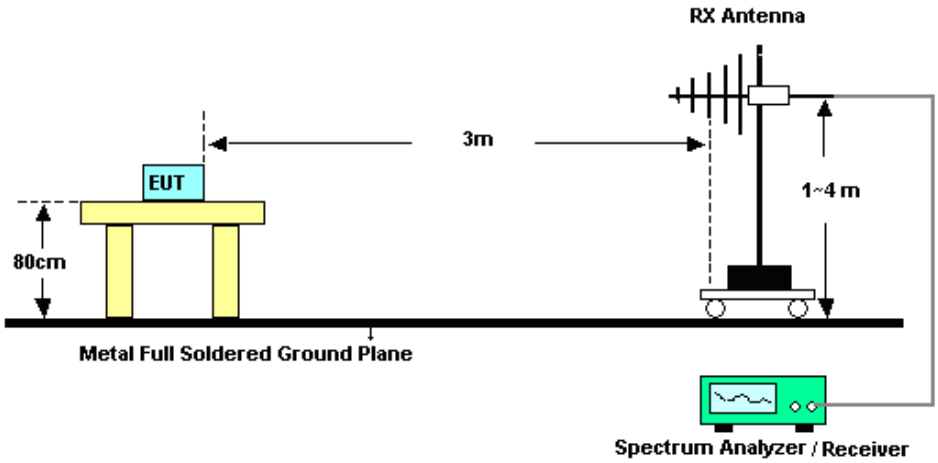
1. The testing follows ANSI C63.10-2020 clause 6.3, 6.5 and 6.6.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Use the following spectrum analyzer settings:
   (1) Span shall wide enough to fully capture the emission being measured;
   (2) Set RBW=100 kHz for f < 1 GHz, RBW=1MHz for f>1GHz ; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold for peak
   (3) For average measurement: use duty cycle correction factor method.
   Duty cycle = On time/100 milliseconds
   On time = $N_1*L_1+N_2*L_2+...+N_{n-1}*LN_{n-1}+N_n*L_n$
   Where N_1 is number of type 1 pulses, L_1 is length of type 1 pulses, etc.
   Average Emission Level = Peak Emission Level + 20*log(Duty cycle)
7. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
8. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
9. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.8.4 Test Setup

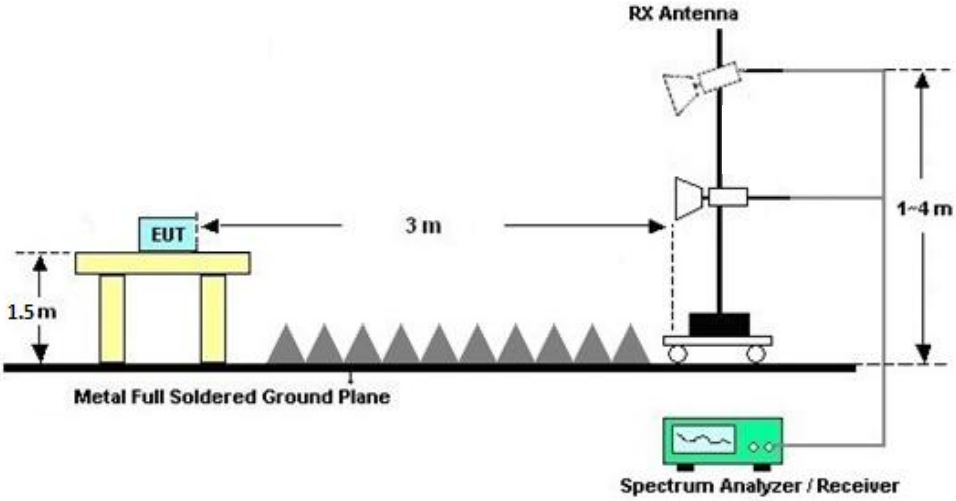
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.8.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

3.8.6 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix B&C.

3.8.7 Duty cycle

Please refer to Appendix D

3.9 Antenna Requirements

3.9.1 Standard Applicable

If directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.9.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.9.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 02, 2025	Nov. 01, 2025~ Dec. 09, 2025	Apr. 01, 2026	Conducted (TH01-SZ)
Pulse Power Senor	Anritsu	MA2411B	1339473	30MHz~40GHz	Dec. 25, 2024	Nov. 01, 2025~ Dec. 09, 2025	Dec. 24, 2025	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1218010	50MHz Bandwidth	Oct. 13, 2025	Nov. 01, 2025~ Dec. 09, 2025	Oct. 12, 2026	Conducted (TH01-SZ)
Attenuatore	Woken Tech	WK0602-10	4	10dB	Jan. 13, 2025	Nov. 01, 2025~ Dec. 09, 2025	Jan. 12, 2026	Conducted (TH01-SZ)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 02, 2025	Nov. 01, 2025~ Dec. 03, 2025	Apr. 01, 2026	Radiation (03CH03-SZ)
EXA Signal Analyzer	KEYSIGHT	N9010B	MY59071191	10KHz-44GHz	Apr. 02, 2025	Nov. 01, 2025~ Dec. 03, 2025	Apr. 01, 2026	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Nov. 01, 2025~ Dec. 03, 2025	Dec. 27, 2025	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz-2GHz	Aug. 19, 2025	Nov. 01, 2025~ Dec. 03, 2025	Aug. 18, 2026	Radiation (03CH03-SZ)
Double Ridege Guide Antenna	ETS-Lindgren	Burgeon-3117	00240107	1GHz~18GHz	Jul. 13, 2025	Nov. 01, 2025~ Dec. 03, 2025	Jul. 12, 2026	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2025	Nov. 01, 2025~ Dec. 03, 2025	Jul. 02, 2026	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 03, 2025	Nov. 01, 2025~ Dec. 03, 2025	Apr. 02, 2027	Radiation (03CH03-SZ)
Amplifier	EM Electronics	EM330	060756	0.01Hz ~3000MHz	Apr. 02, 2025	Nov. 01, 2025~ Dec. 03, 2025	Apr. 01, 2026	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 13, 2025	Nov. 01, 2025~ Dec. 03, 2025	Oct. 12, 2026	Radiation (03CH03-SZ)
HF Amplifier	Keysight	83017A	MY53270357	500MHz~26.5GHz	Apr. 02, 2025	Nov. 01, 2025~ Dec. 03, 2025	Apr. 01, 2026	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010002729	N/A	Oct. 17, 2025	Nov. 01, 2025~ Dec. 03, 2025	Oct. 16, 2026	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Nov. 01, 2025~ Dec. 03, 2025	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Nov. 01, 2025~ Dec. 03, 2025	NCR	Radiation (03CH03-SZ)

NCR: No Calibration Required.

5 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	±1.34 dB
Occupied Channel Bandwidth	±0.012 MHz
Conducted Power	±1.34 dB
Conducted Power Spectral Density	±1.32 dB
Frequency	±1.3 Hz

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.0dB

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.9dB

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.0dB

---------- THE END ----------

Appendix A. Conducted Test Results

Report Number : FR5N0308D

FSK-FHSS-50Kbps

Test Engineer:	Sam Zheng	Temperature:	20~26	°C
Test Date:	2025/11/1~2025/12/9	Relative Humidity:	40~51	%

TEST RESULTS DATA
20dB and 99% Occupied Bandwidth

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	20db BW (MHz)	20db BW Limit (MHz)	99% Bandwidth (MHz)	Hopping Channel Separation Measurement (MHz)	Hopping Channel Separation Measurement Limit (MHz)	Pass/Fail
FSK	50Kbps	1	1	902.2	0.105	0.500	0.104	0.200	0.1051	Pass
FSK	50Kbps	1	65	915	0.104	0.500	0.104	0.200	0.1039	Pass
FSK	50Kbps	1	129	927.8	0.106	0.500	0.104	0.200	0.1056	Pass

TEST RESULTS DATA
Dwell Time

Mod.	Hopping Channel Number Rate	Hops Over Occupancy Time(hops)	Package Transfer Time (msec)	Dwell Time (sec)	Limits (sec)	Pass/Fail
FSK	129	1.00	383.44	0.383	0.4	Pass

TEST RESULTS DATA
Peak Power Table

mode	Freq. (MHz)	NTX	Peak Power (dBm)	Power Setting	Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Test Result
FSK	902.2	1	**11.97**	14.00	30.00	-3.51	8.46	36	Pass
	915	1	11.61	14.00	30.00	-3.51	8.10	36	Pass
	927.8	1	11.26	14.00	30.00	-3.51	7.75	36	Pass

TEST RESULTS DATA
Number of Hopping Frequency

Number of Hopping (Channel)	Limits (Channel)	Pass/Fail
129	> 50	Pass

Report Number : FR5N0308D

FSK-FHSS-150Kbps

Test Engineer:	Sam Zheng	Temperature:	20~26	°C
Test Date:	2025/11/1~2025/12/9	Relative Humidity:	40~51	%

TEST RESULTS DATA
20dB and 99% Occupied Bandwidth

Mod.	Data Rate	NTX	Freq. (MHz)	20db BW (MHz)	20db BW Limit (MHz)	99% Bandwidth (MHz)	Hopping Channel Separation Measurement (MHz)	Hopping Channel Separation Measurement Limit (MHz)	Pass/Fail
FSK	150Kbps	1	902.4	0.174	0.500	0.159	0.402	0.1738	Pass
FSK	150Kbps	1	915.2	0.172	0.500	0.158	0.401	0.1723	Pass
FSK	150Kbps	1	927.6	0.173	0.500	0.157	0.401	0.1733	Pass

TEST RESULTS DATA
Dwell Time

Mod.	Hopping Channel Number Rate	Hops Over Occupancy Time(hops)	Package Transfer Time (msec)	Dwell Time (sec)	Limits (sec)	Pass/Fail
FSK	64	1.00	369.44	0.369	0.4	Pass

TEST RESULTS DATA
Peak Power Table

mode	Freq. (MHz)	NTX	Peak Power (dBm)	Power Setting	Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Test Result
FSK	902.4	1	**11.90**	14.00	30.00	-3.51	8.39	36	Pass
	915.2	1	11.65	14.00	30.00	-3.51	8.14	36	Pass
	927.6	1	11.22	14.00	30.00	-3.51	7.71	36	Pass

TEST RESULTS DATA
Number of Hopping Frequency

Number of Hopping (Channel)	Limits (Channel)	Pass/Fail
64	> 50	Pass

Report Number : FR5N0308D

FSK-FHSS-250Kbps

Test Engineer:	Liu Qiu Qiu	Temperature:	20~26	°C
Test Date:	2025/11/1~2025/12/9	Relative Humidity:	40~51	%

TEST RESULTS DATA
20dB and 99% Occupied Bandwidth

Mod.	Data Rate	NTX	Freq. (MHz)	20db BW (MHz)	20db BW Limit (MHz)	99% Bandwidth (MHz)	Hopping Channel Separation Measurement (MHz)	Hopping Channel Separation Measurement Limit (MHz)	Pass/Fail
FSK	250Kbps	1	902.5	0.262	0.500	0.254	0.499	0.2622	Pass
FSK	250Kbps	1	915	0.264	0.500	0.254	0.499	0.2637	Pass
FSK	250Kbps	1	927.5	0.260	0.500	0.253	0.499	0.2597	Pass

TEST RESULTS DATA
Dwell Time

Mod.	Hopping Channel Number Rate	Hops Over Occupancy Time(hops)	Package Transfer Time (msec)	Dwell Time (sec)	Limits (sec)	Pass/Fail
FSK	51	1.00	377.68	0.378	0.4	Pass

TEST RESULTS DATA
Peak Power Table

mode	Freq. (MHz)	NTX	Peak Power (dBm)	Power Setting	Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Test Result
FSK	902.5	1	**11.98**	14.00	30.00	-3.51	8.47	36	Pass
	915	1	11.65	14.00	30.00	-3.51	8.14	36	Pass
	927.5	1	11.36	14.00	30.00	-3.51	7.85	36	Pass

TEST RESULTS DATA
Number of Hopping Frequency

Number of Hopping (Channel)	Limits (Channel)	Pass/Fail
51	> 50	Pass

Appendix B. Radiated Spurious Emission

FSK 50K(Harmonic @ 3m)

	Note	Frequency	Level	Margin	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
902.2MHz		2706.6	45.67	-28.33	74	62.6	32.3	8.61	57.84	100	145	P	H
		2706.6	45.27	-8.73	54	62.2	32.3	8.61	57.84	100	145	A	H
		3608.8	42.73	-31.27	74	58.16	32.9	9.67	58	-	-	P	H
		2706.6	46.33	-27.67	74	63.26	32.3	8.61	57.84	166	264	P	V
		2706.6	45.93	-8.07	54	62.86	32.3	8.61	57.84	166	264	A	V
		3608.8	42.45	-31.55	74	57.88	32.9	9.67	58	-	-	P	V
915MHz		2745	46.28	-27.72	74	63.26	32.25	8.62	57.85	140	180	P	H
		2745	45.88	-8.12	54	62.86	32.25	8.62	57.85	140	180	A	H
		3660	42.88	-31.12	74	58.24	33	9.64	58	-	-	P	H
		2745	46.57	-27.43	74	63.55	32.25	8.62	57.85	192	58	P	V
		2745	46.17	-7.83	54	63.15	32.25	8.62	57.85	192	58	A	V
		3660	43.3	-30.7	74	58.66	33	9.64	58	-	-	P	V
927.8MHz		2783.4	45.83	-28.17	74	62.84	32.22	8.63	57.86	162	209	P	H
		2783.4	45.43	-8.57	54	62.44	32.22	8.63	57.86	162	209	A	H
		3711.2	43.38	-30.62	74	58.67	33.1	9.61	58	-	-	P	H
		2783.4	46.48	-27.52	74	63.49	32.22	8.63	57.86	100	240	P	V
		2783.4	46.08	-7.92	54	63.09	32.22	8.63	57.86	100	240	A	V
		3711.2	43.31	-30.69	74	58.6	33.1	9.61	58	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

FSK 150K(Harmonic @ 3m)

	Note	Frequency	Level	Margin	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
902.4MHz		2707.2	46.06	-27.94	74	63.01	32.28	8.61	57.84	100	72	P	H
		2707.2	44.85	-9.15	54	61.8	32.28	8.61	57.84	100	72	A	H
		3609.6	44.58	-29.42	74	60.01	32.9	9.67	58	-	-	P	H
		2707.2	46.68	-27.32	74	63.63	32.28	8.61	57.84	129	304	P	V
		2707.2	45.47	-8.53	54	62.42	32.28	8.61	57.84	129	304	A	V
		3609.6	43.57	-30.43	74	59	32.9	9.67	58	-	-	P	V
915.2MHz		2745.6	45.17	-28.83	74	62.15	32.25	8.62	57.85	100	59	P	H
		2745.6	43.96	-10.04	54	60.94	32.25	8.62	57.85	100	59	A	H
		3660.8	42.01	-31.99	74	57.37	33	9.64	58	-	-	P	H
		2745.6	46.94	-27.06	74	63.92	32.25	8.62	57.85	126	284	P	V
		2745.6	45.73	-8.27	54	62.71	32.25	8.62	57.85	126	284	A	V
		3660.8	42.48	-31.52	74	57.84	33	9.64	58	-	-	P	V
927.6MHz		2782.8	45.77	-28.23	74	62.78	32.22	8.63	57.86	148	190	P	H
		2782.8	44.56	-9.44	54	61.57	32.22	8.63	57.86	148	190	A	H
		3710.4	41.94	-32.06	74	57.23	33.1	9.61	58	-	-	P	H
		2782.8	46.45	-27.55	74	63.46	32.22	8.63	57.86	100	123	P	V
		2782.8	45.24	-8.76	54	62.25	32.22	8.63	57.86	100	123	A	V
		3710.4	42.57	-31.43	74	57.86	33.1	9.61	58	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

FSK 250K(Harmonic @ 3m)

	Note	Frequency	Level	Margin	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
902.5MHz		2707.5	44.71	-29.29	74	61.66	32.28	8.61	57.84	241	320	P	H
		2707.5	42.58	-11.42	54	59.53	32.28	8.61	57.84	241	320	A	H
		3610	43.49	-30.51	74	58.9	32.93	9.66	58	-	-	P	H
		2707.5	43.68	-30.32	74	60.63	32.28	8.61	57.84	124	320	P	V
		2707.5	41.55	-12.45	54	58.5	32.28	8.61	57.84	124	320	A	V
		3610	43.78	-30.22	74	59.19	32.93	9.66	58	-	-	P	V
915.0MHz		2745	45.44	-28.56	74	62.42	32.25	8.62	57.85	241	52	P	H
		2745	43.31	-10.69	54	60.29	32.25	8.62	57.85	241	52	A	H
		3660	42.13	-31.87	74	57.49	33	9.64	58	-	-	P	H
		2745	44.67	-29.33	74	61.65	32.25	8.62	57.85	123	221	P	V
		2745	42.54	-11.46	54	59.52	32.25	8.62	57.85	123	221	A	V
		3660	42.62	-31.38	74	57.98	33	9.64	58	-	-	P	V
927.5MHz		2782.5	44.98	-29.02	74	61.99	32.22	8.63	57.86	245	63	P	H
		2782.5	42.85	-11.15	54	59.86	32.22	8.63	57.86	245	63	A	H
		3710	42.43	-31.57	74	57.72	33.1	9.61	58	-	-	P	H
		2782.5	44.64	-29.36	74	61.65	32.22	8.63	57.86	125	52	P	V
		2782.5	42.51	-11.49	54	59.52	32.22	8.63	57.86	125	52	A	V
		3710	42.62	-31.38	74	57.91	33.1	9.61	58	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

< 30M-1G>

FSK 50K(LF @ 3m)

	Note	Frequency	Level	Margin	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
902.2MHz		135.73	21.37	-22.13	43.5	35.98	18.04	2.25	34.9	-	-	P	H
		283.17	23.24	-22.76	46	35.95	18.89	3.14	34.74	-	-	P	H
		902.2	104.09	---	---	104.53	29.14	4.42	34	-	-	P	H
		133.79	20.96	-22.54	43.5	35.75	17.88	2.23	34.9	-	-	P	V
		284.14	23.74	-22.26	46	36.39	18.93	3.15	34.73	-	-	P	V
		902.2	93.03	---	---	93.47	29.14	4.42	34	-	-	P	V
915MHz		129.91	21.46	-22.04	43.5	36.48	17.67	2.21	34.9	-	-	P	H
		280.26	23.14	-22.86	46	36.01	18.74	3.13	34.74	-	-	P	H
		915	103.43	---	---	103.64	29.34	4.45	34	-	-	P	H
		135.73	21.34	-22.16	43.5	35.98	18.01	2.25	34.9	-	-	P	V
		278.32	23.15	-22.85	46	36.09	18.68	3.12	34.74	-	-	P	V
		915	104.88	---	---	105.09	29.34	4.45	34	-	-	P	V
927.8MHz		132.82	21.39	-22.11	43.5	36.26	17.8	2.23	34.9	-	-	P	H
		280.26	23.86	-22.14	46	36.68	18.79	3.13	34.74	-	-	P	H
		927.8	103.92	---	---	103.68	29.77	4.47	34	-	-	P	H
		939.86	42.8	-41.12	-83.92	42.26	30.05	4.49	34	-	-	P	H
		135.73	21.2	-22.3	43.5	35.81	18.04	2.25	34.9	-	-	P	V
		274.44	23.59	-22.41	46	36.64	18.59	3.11	34.75	-	-	P	V
		927.8	93.72	---	---	93.48	29.77	4.47	34	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

FSK 150K(LF @ 3m)

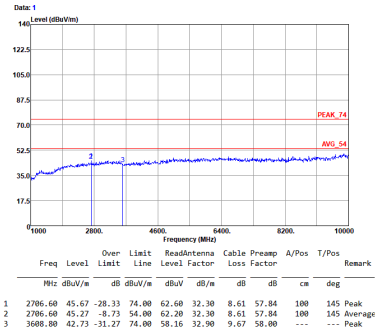
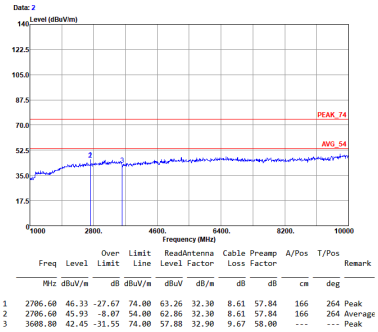
	Note	Frequency	Level	Margin	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
902.4MHz		137.67	21.34	-22.16	43.5	35.78	18.2	2.26	34.9	-	-	P	H
		285.11	23.04	-22.96	46	35.66	18.96	3.15	34.73	-	-	P	H
		902.4	104.15	---	---	104.59	29.14	4.42	34	-	-	P	H
		137.67	20.73	-22.77	43.5	35.17	18.2	2.26	34.9	-	-	P	V
		283.17	23.22	-22.78	46	35.93	18.89	3.14	34.74	-	-	P	V
		902.4	92.81	---	---	93.25	29.14	4.42	34	-	-	P	V
915.2MHz		135.73	21.62	-21.88	43.5	36.26	18.01	2.25	34.9	-	-	P	H
		283.17	22.59	-23.41	46	35.36	18.83	3.14	34.74	-	-	P	H
		915.2	104.43	---	---	104.64	29.34	4.45	34	-	-	P	H
		135.73	21.77	-21.73	43.5	36.41	18.01	2.25	34.9	-	-	P	V
		259.89	23	-23	46	36.64	18.09	3.05	34.78	-	-	P	V
		915.2	92.14	---	---	92.35	29.34	4.45	34	-	-	P	V
927.6MHz		125.06	20.75	-22.75	43.5	36.32	17.15	2.18	34.9	-	-	P	H
		282.2	23.22	-22.78	46	35.96	18.86	3.14	34.74	-	-	P	H
		927.6	103.69	---	---	103.48	29.74	4.47	34	-	-	P	H
		939.86	43.9	-39.79	83.69	43.36	30.05	4.49	34	-	-		
		137.67	20.84	-22.66	43.5	35.28	18.2	2.26	34.9	-	-	P	V
		285.11	23.64	-22.36	46	36.26	18.96	3.15	34.73	-	-	P	V
		927.6	93.75	---	---	93.54	29.74	4.47	34	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

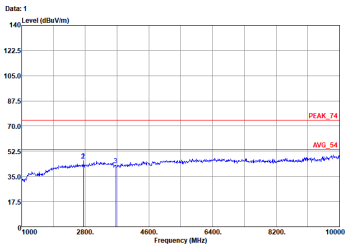
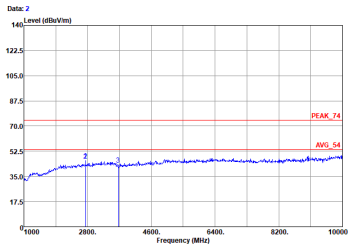
FSK 250K(LF @ 3m)

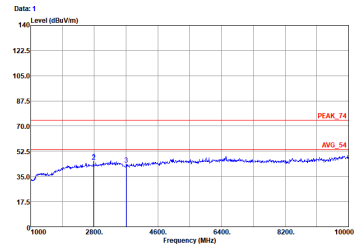
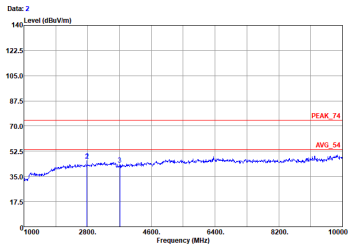
	Note	Frequency	Level	Margin	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
902.5MHz		131.85	20.98	-22.52	43.5	35.94	17.72	2.22	34.9	-	-	P	H
		275.41	23.87	-22.13	46	36.89	18.62	3.11	34.75	-	-	P	H
		902.5	103.96	---	---	104.4	29.14	4.42	34	-	-	P	H
		136.7	21.32	-22.18	43.5	35.85	18.12	2.25	34.9	-	-	P	V
		281.23	23.98	-22.02	46	36.75	18.83	3.14	34.74	-	-	P	V
		902.5	93.08	---	---	93.52	29.14	4.42	34	-	-	P	V
915MHz		136.7	21.25	-22.25	43.5	35.83	18.07	2.25	34.9	-	-	P	H
		281.23	22.73	-23.27	46	35.56	18.77	3.14	34.74	-	-	P	H
		915	103.43	---	---	103.64	29.34	4.45	34	-	-	P	H
		127	22.33	-21.17	43.5	37.53	17.51	2.19	34.9	-	-	P	V
		281.23	23.42	-22.58	46	36.25	18.77	3.14	34.74	-	-	P	V
		915	92.16	---	---	92.37	29.34	4.45	34	-	-	P	V
927.5MHz		136.7	21.46	-22.04	43.5	35.99	18.12	2.25	34.9	-	-	P	H
		283.17	23.56	-22.44	46	36.27	18.89	3.14	34.74	-	-	P	H
		927.5	103.84	---	---	103.63	29.74	4.47	34	-	-	P	H
		130.88	21.69	-21.81	43.5	36.73	17.64	2.22	34.9	-	-	P	V
		251.16	23.99	-22.01	46	38	17.77	3.01	34.79	-	-	P	V
		927.5	93.94	---	---	93.73	29.74	4.47	34	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Appendix C. Radiated Spurious Emission Plots

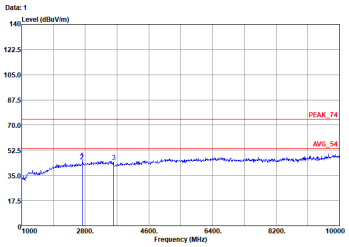
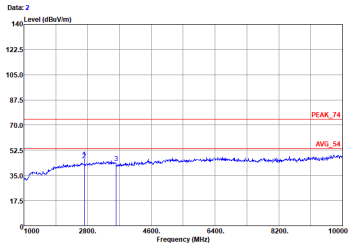
FSK 50Kbps FHSS 50Kbps (Harmonic @ 3m)

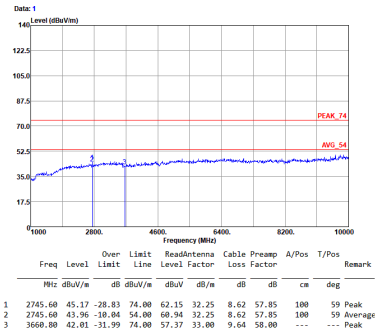
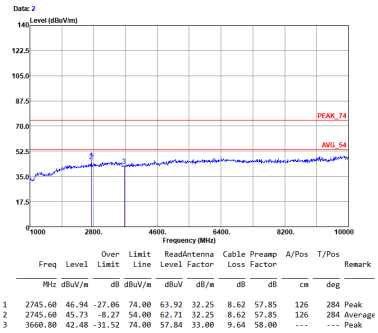
LoRa	902.2~927.8 Harmonic @ 3m	
ANT	FSK 50Kbps FHSS 50Kbps CH01 902.2	
	Horizontal	Vertical
Peak		

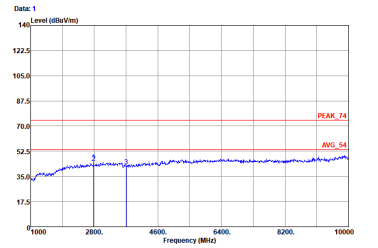
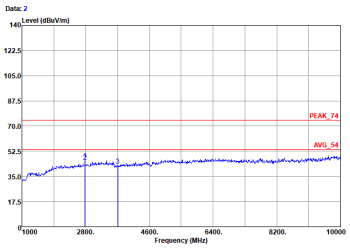
LoRa	902.2~927.8 Harmonic @ 3m	
ANT	FSK 50Kbps FHSS 50Kbps CH65 915	
	Horizontal	Vertical
Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2745.00 46.28 -27.72 74.00 63.26 32.25 8.62 57.85 140 180 Peak 2 2745.00 45.88 -8.12 54.00 62.86 32.25 8.62 57.85 140 180 Average 3 3660.00 42.88 -31.12 74.00 58.24 33.00 9.64 58.00 --- --- Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2745.00 46.57 -27.43 74.00 63.55 32.25 8.62 57.85 192 58 Peak 2 2745.00 46.17 -7.83 54.00 63.15 32.25 8.62 57.85 192 58 Average 3 3660.00 43.30 -30.70 74.00 58.66 33.00 9.64 58.00 --- --- Peak

LoRa	902.2~927.8 Harmonic @ 3m	
ANT	FSK 50Kbps FHSS 50Kbps CH129 927.8	
	Horizontal	Vertical
Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2783.40 45.83 -28.17 74.00 62.84 32.22 8.63 57.86 162 209 Peak 2 2783.40 45.43 -8.57 54.00 62.44 32.22 8.63 57.86 162 209 Average 3 3711.20 43.38 -30.62 74.00 58.67 33.10 9.61 58.00 --- --- Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2783.40 46.48 -27.52 74.00 63.49 32.22 8.63 57.86 100 240 Peak 2 2783.40 46.08 -7.92 54.00 63.09 32.22 8.63 57.86 100 240 Average 3 3711.20 43.31 -30.69 74.00 58.60 33.10 9.61 58.00 --- --- Peak

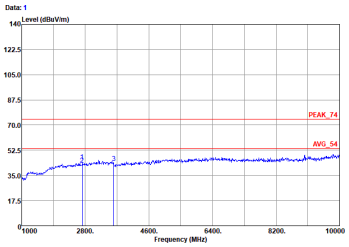
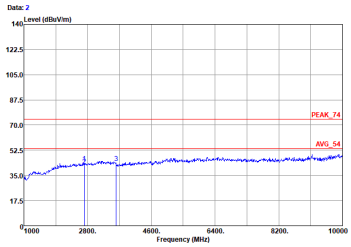
FSK 150Kbps FHSS 150Kbps (Harmonic @ 3m)

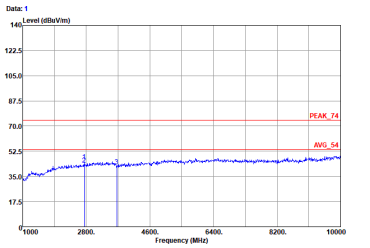
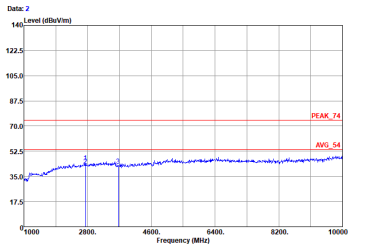
LoRa	902.4~927.6 Harmonic @ 3m	
ANT	FSK 150Kbps FHSS 150Kbps CH01 902.4	
	Horizontal	Vertical
Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2707.20 46.06 -27.94 74.00 63.01 32.28 8.61 57.84 100 72 Peak 2 2707.20 44.85 -9.15 54.00 61.80 32.28 8.61 57.84 100 72 Average 3 3609.60 44.58 -29.42 74.00 60.01 32.90 9.67 58.00 --- --- Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2707.20 46.68 -27.32 74.00 63.63 32.28 8.61 57.84 129 304 Peak 2 2707.20 45.47 -8.53 54.00 62.42 32.28 8.61 57.84 129 304 Average 3 3609.60 43.57 -30.43 74.00 59.00 32.90 9.67 58.00 --- --- Peak

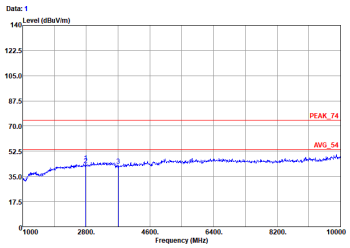
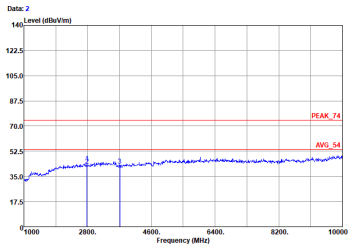
LoRa	902.4~927.6 Harmonic @ 3m	
ANT	FSK 150Kbps FHSS 150Kbps CH33 915.2	
	Horizontal	Vertical
Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2745.60 45.17 -28.83 74.00 62.15 32.25 8.62 57.85 100 59 Peak 2 2745.60 43.96 -10.04 54.00 60.94 32.25 8.62 57.85 100 59 Average 3 3660.80 42.01 -31.99 74.00 57.37 33.00 9.64 58.00 --- --- Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2745.60 46.94 -27.06 74.00 63.92 32.25 8.62 57.85 126 284 Peak 2 2745.60 45.73 -8.27 54.00 62.71 32.25 8.62 57.85 126 284 Average 3 3660.80 42.48 -31.52 74.00 57.84 33.00 9.64 58.00 --- --- Peak

LoRa	902.4~927.6 Harmonic @ 3m	
ANT	FSK 150Kbps FHSS 150Kbps CH64 927.6	
	Horizontal	Vertical
Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2782.80 45.77 -28.23 74.00 62.78 32.22 8.63 57.86 148 190 Peak 2 2782.80 44.56 -9.44 54.00 61.57 32.22 8.63 57.86 148 190 Average 3 3710.40 41.94 -32.06 74.00 57.23 33.10 9.61 58.00 --- --- Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2782.80 46.45 -27.55 74.00 63.46 32.22 8.63 57.86 100 123 Peak 2 2782.80 45.24 -8.76 54.00 62.25 32.22 8.63 57.86 100 123 Average 3 3710.40 42.57 -31.43 74.00 57.86 33.10 9.61 58.00 --- --- Peak

FSK 250Kbps FHSS 250Kbps (Harmonic @ 3m)

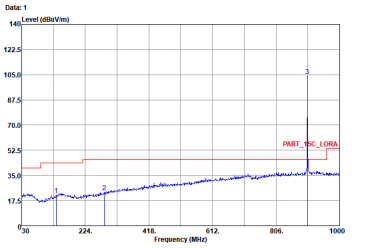
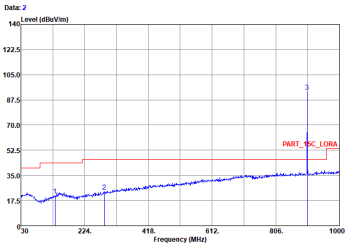
LoRa	902.5~927.5 Harmonic @ 3m	
ANT	FSK 250Kbps FHSS 250Kbps CH01 902.5	
	Horizontal	Vertical
Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2707.50 44.71 -29.29 74.00 61.66 32.28 8.61 57.84 241 320 Peak 2 2707.50 42.58 -11.42 54.00 59.53 32.28 8.61 57.84 241 320 Average 3 3610.00 43.49 -30.51 74.00 58.90 32.93 9.66 58.00 --- --- Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2707.50 43.68 -30.32 74.00 60.63 32.28 8.61 57.84 124 320 Peak 2 2707.50 41.55 -12.45 54.00 58.50 32.28 8.61 57.84 124 320 Average 3 3610.00 43.78 -30.22 74.00 59.19 32.93 9.66 58.00 --- --- Peak

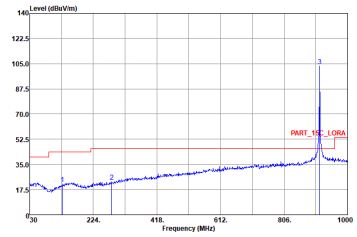
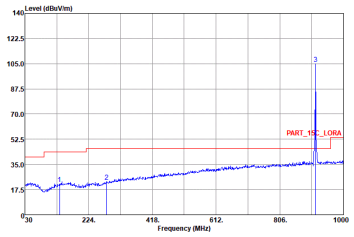
LoRa	902.5~927.5 Harmonic @ 3m	
ANT	FSK 250Kbps FHSS 250Kbps CH26 915	
	Horizontal	Vertical
Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2745.00 45.44 -28.56 74.00 62.42 32.25 8.62 57.85 241 52 Peak 2 2745.00 43.31 -10.69 54.00 60.29 32.25 8.62 57.85 241 52 Average 3 3660.00 42.13 -31.87 74.00 57.49 33.00 9.64 58.00 --- --- Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2745.00 44.67 -29.33 74.00 61.65 32.25 8.62 57.85 123 221 Peak 2 2745.00 42.54 -11.46 54.00 59.52 32.25 8.62 57.85 123 221 Average 3 3660.00 42.62 -31.38 74.00 57.98 33.00 9.64 58.00 --- --- Peak

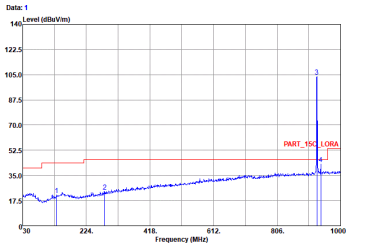
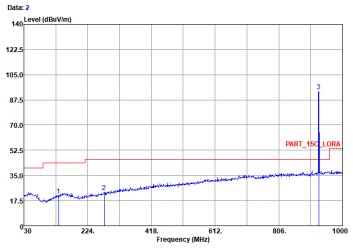
LoRa	902.5~927.5 Harmonic @ 3m	
ANT	FSK 250Kbps FHSS 250Kbps CH51 927.5	
	Horizontal	Vertical
Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2782.50 44.98 -29.02 74.00 61.99 32.22 8.63 57.86 245 63 Peak 2 2782.50 42.85 -11.15 54.00 59.86 32.22 8.63 57.86 245 63 Average 3 3710.00 42.43 -31.57 74.00 57.72 33.10 9.61 58.00 --- --- Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2782.50 44.64 -29.36 74.00 61.65 32.22 8.63 57.86 125 52 Peak 2 2782.50 42.51 -11.49 54.00 59.52 32.22 8.63 57.86 125 52 Average 3 3710.00 42.62 -31.38 74.00 57.91 33.10 9.61 58.00 --- --- Peak

<30M-1G>

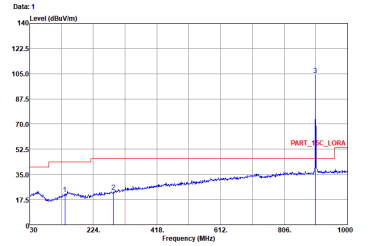
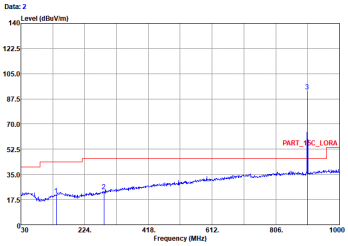
FSK 50Kbps FHSS 50Kbps (LF @ 3m)

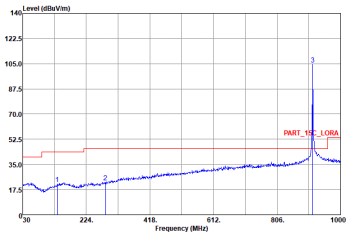
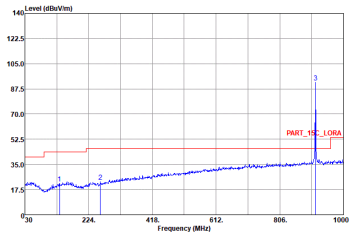
LoRa	902.2~927.8 LF @ 3m	
ANT	FSK 50Kbps FHSS 50Kbps CH01 902.2	
	Horizontal	Vertical
Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 135.73 21.37 -22.13 43.50 35.98 18.04 2.25 34.90 --- --- Peak 2 283.17 23.24 -22.76 46.00 35.95 18.89 3.14 34.74 --- --- Peak 3 902.20 104.09 --- --- 104.53 29.14 4.42 34.00 --- --- Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 133.79 20.96 -22.54 43.50 35.75 17.88 2.23 34.90 --- --- Peak 2 284.14 23.74 -22.26 46.00 36.39 18.93 3.15 34.73 --- --- Peak 3 902.20 93.03 --- --- 93.47 29.14 4.42 34.00 --- --- Peak

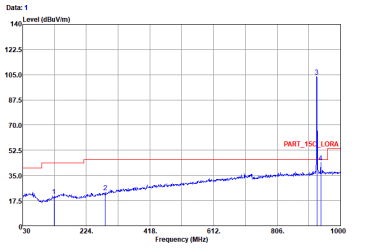
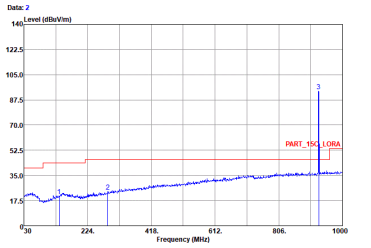
LoRa	902.2~927.8 LF @ 3m	
ANT	FSK 50Kbps FHSS 50Kbps CH65 915 MHz	
	Horizontal	Vertical
Peak	 Over Limit Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 129.910 21.46 -22.04 43.50 36.48 17.67 2.21 34.90 --- --- Peak 2 200.260 23.14 -22.86 46.00 36.01 18.74 3.13 34.74 --- --- Peak 3 915.000 103.43 --- --- 103.64 29.34 4.45 34.00 --- --- Peak	 Over Limit Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 135.730 21.34 -22.16 43.50 35.98 18.01 2.25 34.90 --- --- Peak 2 278.320 23.15 -22.85 46.00 36.89 18.68 3.12 34.74 --- --- Peak 3 915.000 104.88 --- --- 105.09 29.34 4.45 34.00 --- --- Peak

LoRa	902.2~927.8 LF @ 3m	
ANT	FSK 50Kbps FHSS 50Kbps CH129 927.8	
	Horizontal	Vertical
Peak	 Over Limit Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 132.82 21.39 -22.11 43.50 36.26 17.80 2.23 34.90 --- --- Peak 2 280.26 23.86 -22.14 46.00 36.68 18.79 3.13 34.74 --- --- Peak 3 927.80 103.92 --- --- 103.68 29.77 4.47 34.00 --- --- Peak 4 939.86 42.80 --- --- 42.26 30.05 4.49 34.00 --- --- Peak	 Over Limit Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 135.73 21.20 -22.30 43.50 35.81 18.04 2.25 34.90 --- --- Peak 2 274.44 23.59 -22.41 46.00 36.64 18.59 3.11 34.75 --- --- Peak 3 927.80 93.72 --- --- 93.48 29.77 4.47 34.00 --- --- Peak

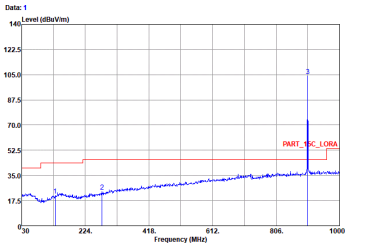
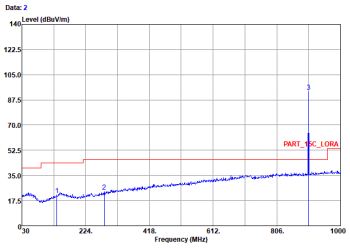
FSK 150Kbps FHSS 150Kbps (LF @ 3m)

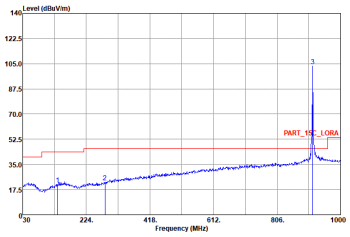
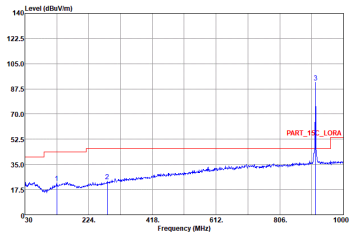
LoRa	902.4~927.6 LF @ 3m	
ANT	FSK 150Kbps FHSS 150Kbps CH01 902.4	
	Horizontal	Vertical
Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Cable Loss Factor Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 137.67 21.34 -22.16 43.50 35.78 18.20 2.26 34.90 --- --- Peak 2 285.11 23.04 -22.96 46.00 35.66 18.96 3.15 34.73 --- --- Peak 3 902.40 104.15 --- --- 104.59 29.14 4.42 34.00 --- --- Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Cable Loss Factor Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 137.67 20.73 -22.77 43.50 35.17 18.20 2.26 34.90 --- --- Peak 2 283.17 23.22 -22.78 46.00 35.93 18.89 3.14 34.74 --- --- Peak 3 902.40 92.81 --- --- 93.25 29.14 4.42 34.00 --- --- Peak

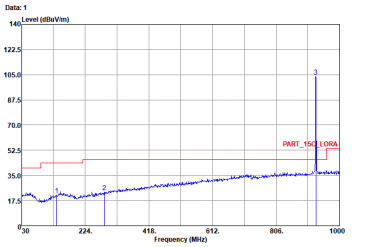
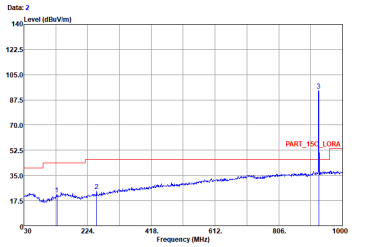
LoRa	902.4~927.6 LF @ 3m	
ANT	FSK 150Kbps FHSS 150Kbps CH33 915.2 MHz	
	Horizontal	Vertical
Peak	 Over Limit Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 135.730 21.62 -21.88 43.50 36.26 18.01 2.25 34.90 --- --- Peak 2 283.170 22.59 -23.41 46.00 35.36 18.83 3.14 34.74 --- --- Peak 3 915.200 104.43 --- --- 104.64 29.34 4.45 34.00 --- --- Peak	 Over Limit Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 135.730 21.77 -21.73 43.50 36.41 18.01 2.25 34.90 --- --- Peak 2 259.890 23.00 -23.00 46.00 36.64 18.09 3.05 34.78 --- --- Peak 3 915.200 92.14 --- --- 92.35 29.34 4.45 34.00 --- --- Peak

LoRa	902.4~927.6 LF @ 3m	
ANT	FSK 150Kbps FHSS 150Kbps CH64 927.6	
	Horizontal	Vertical
Peak	 Over Limit Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 125.06 20.75 -22.75 43.50 36.32 17.15 2.18 34.90 --- --- Peak 2 282.20 23.22 -22.78 46.00 35.96 18.86 3.14 34.74 --- --- Peak 3 927.60 103.69 --- --- 103.48 29.74 4.47 34.00 --- --- Peak 4 939.86 43.90 --- --- 43.36 30.05 4.49 34.00 --- --- Peak	 Over Limit Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 137.67 20.84 -22.66 43.50 35.28 18.20 2.26 34.90 --- --- Peak 2 285.11 23.64 -22.36 46.00 36.26 18.96 3.15 34.73 --- --- Peak 3 927.60 93.75 --- --- 93.54 29.74 4.47 34.00 --- --- Peak

FSK 250Kbps FHSS 250Kbps (LF @ 3m)

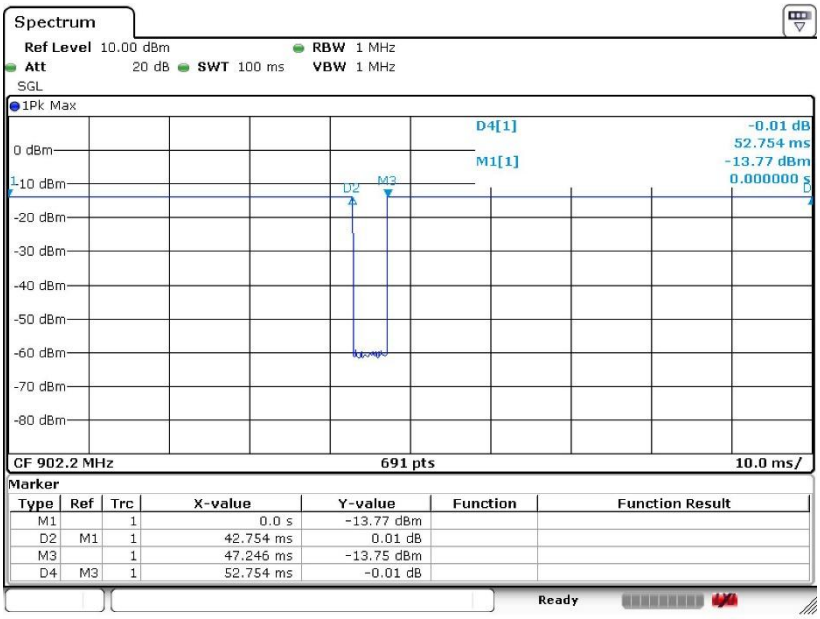
LoRa	902.5~927.5 LF @ 3m	
ANT	FSK 250Kbps FHSS 250Kbps CH01 902.5	
	Horizontal	Vertical
Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 131.85 20.98 -22.52 43.50 35.94 17.72 2.22 34.90 --- --- Peak 2 275.41 23.87 -22.13 46.00 36.89 18.62 3.11 34.75 --- --- Peak 3 902.50 103.96 --- --- 104.40 29.14 4.42 34.00 --- --- Peak	 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 136.70 21.32 -22.18 43.50 35.85 18.12 2.25 34.90 --- --- Peak 2 281.23 23.98 -22.02 46.00 36.75 18.83 3.14 34.74 --- --- Peak 3 902.50 93.08 --- --- 93.52 29.14 4.42 34.00 --- --- Peak

LoRa	902.5~927.5 LF @ 3m	
ANT	FSK 250Kbps FHSS 250Kbps CH26 915 MHz	
	Horizontal	Vertical
Peak	 Over Limit Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 136.700 21.25 -22.25 43.50 35.83 18.07 2.25 34.90 --- --- Peak 2 281.230 22.73 -23.27 46.00 35.56 18.77 3.14 34.74 --- --- Peak 3 915.000 103.43 --- --- 103.64 29.34 4.45 34.00 --- --- Peak	 Over Limit Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 127.000 22.33 -21.17 43.50 37.53 17.51 2.19 34.90 --- --- Peak 2 281.230 23.42 -22.58 46.00 36.25 18.77 3.14 34.74 --- --- Peak 3 915.000 92.16 --- --- 92.37 29.34 4.45 34.00 --- --- Peak

LoRa	902.5~927.5 LF @ 3m	
ANT	FSK 250Kbps FHSS 250Kbps CH51 927.5	
	Horizontal	Vertical
Peak	 Over Limit Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 136.70 21.46 -22.04 43.50 35.99 18.12 2.25 34.90 --- --- Peak 2 283.17 23.56 -22.44 46.00 36.27 18.89 3.14 34.74 --- --- Peak 3 927.50 103.84 --- --- 103.63 29.74 4.47 34.00 --- --- Peak	 Over Limit Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 130.88 21.69 -21.81 43.50 36.73 17.64 2.22 34.90 --- --- Peak 2 251.16 23.99 -22.01 46.00 38.00 17.77 3.01 34.79 --- --- Peak 3 927.50 93.94 --- --- 93.73 29.74 4.47 34.00 --- --- Peak

Appendix D. Duty Cycle Plots

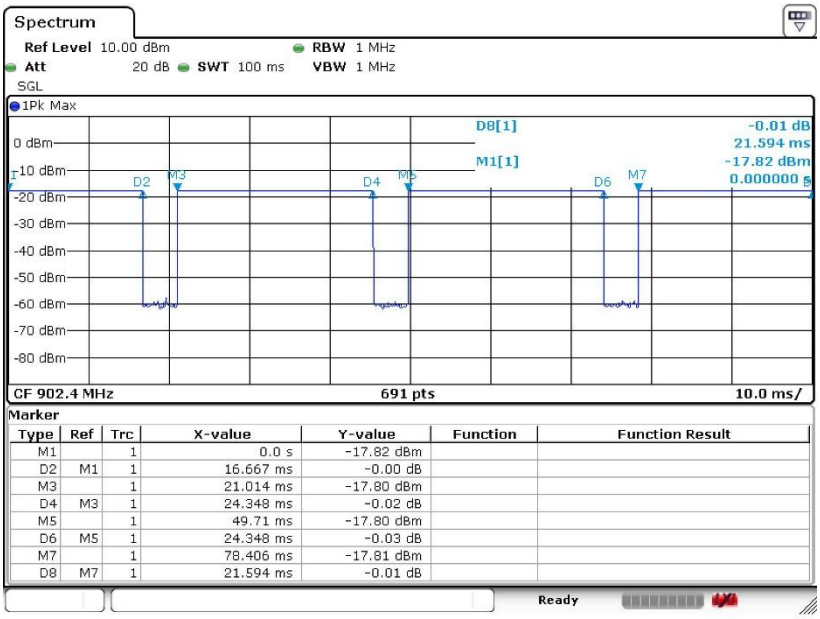
FSK 50Kbps on time Plot



Note:

1. Duty cycle = on time/100 milliseconds = 95.508 %
2. Duty cycle correction factor = 20*log(Duty cycle) = -0.40 dB

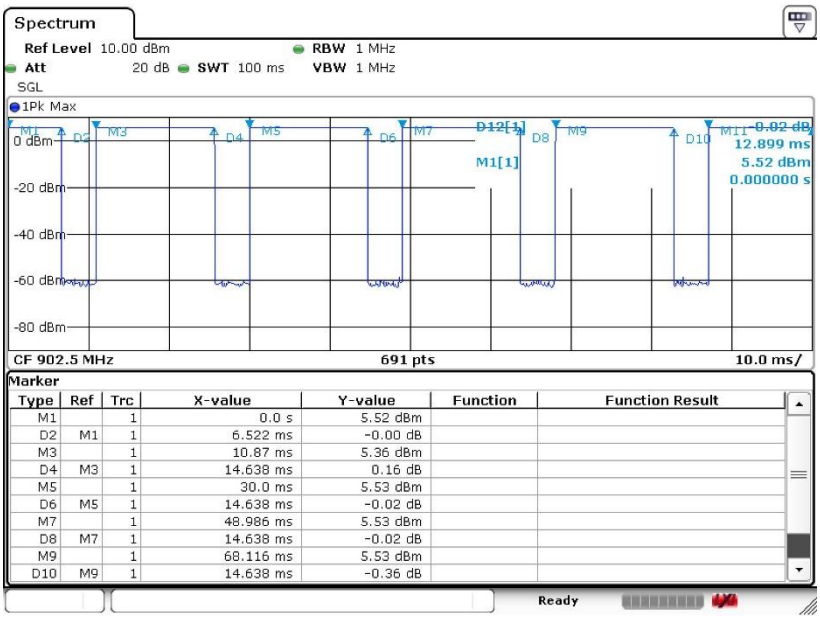
FSK 150Kbps on time Plot



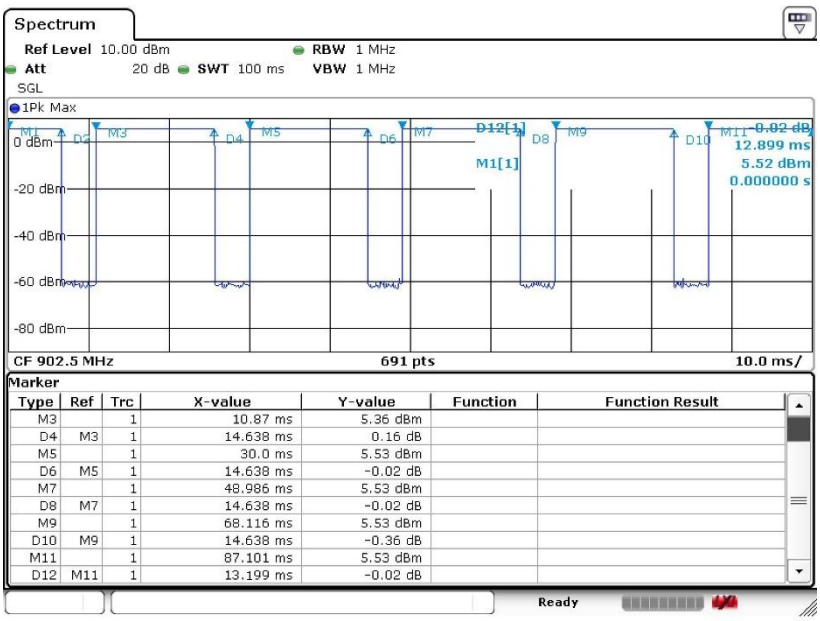
Note:

1. Duty cycle = on time/100 milliseconds = 86.957 %
2. Duty cycle correction factor = 20*log(Duty cycle) = -1.21 dB

FSK 250Kbps on time Plot 1



FSK 250Kbps on time Plot 2



Note:

1. Duty cycle = on time/100 milliseconds = 78.273 %
2. Duty cycle correction factor = 20*log(Duty cycle) = -2.13 dB