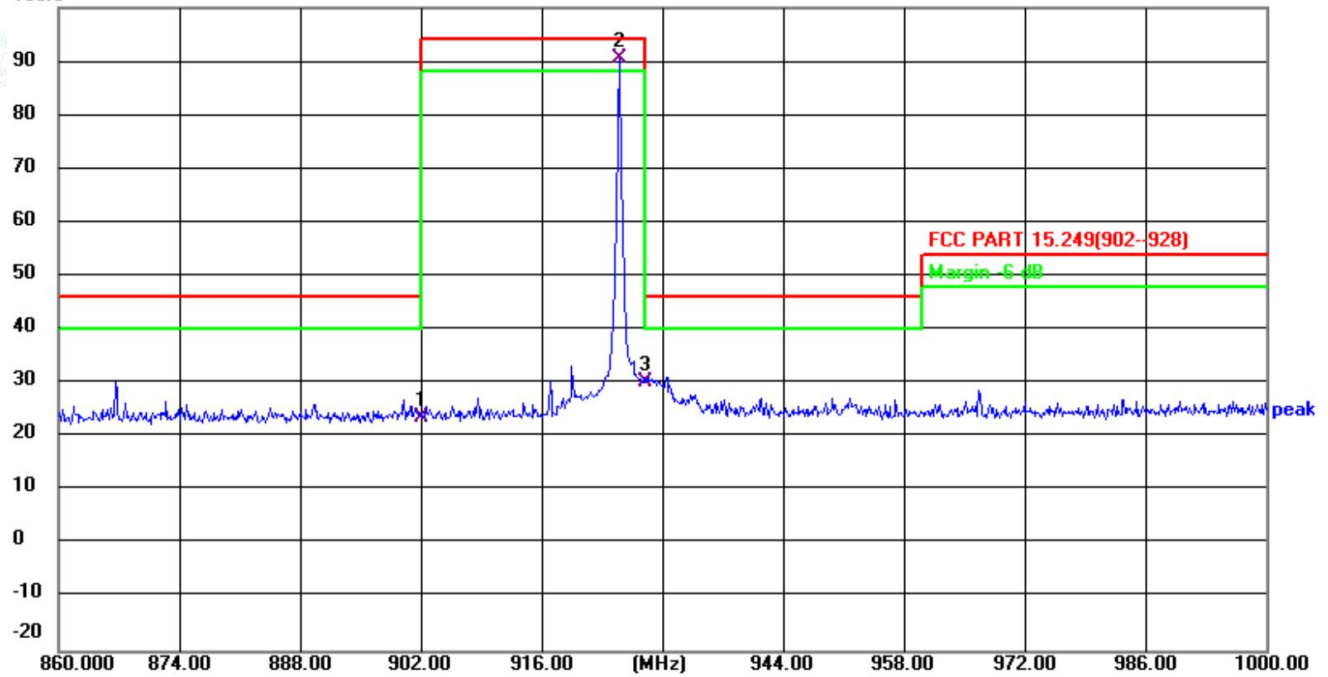


Horizontal

100.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	902.0000	31.96	-8.27	23.69	46.00	-22.31
2	924.9600	98.47	-7.93	90.54	94.00	-3.46
3	928.0000	38.29	-7.92	30.37	46.00	-15.63

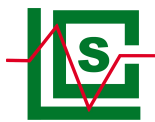


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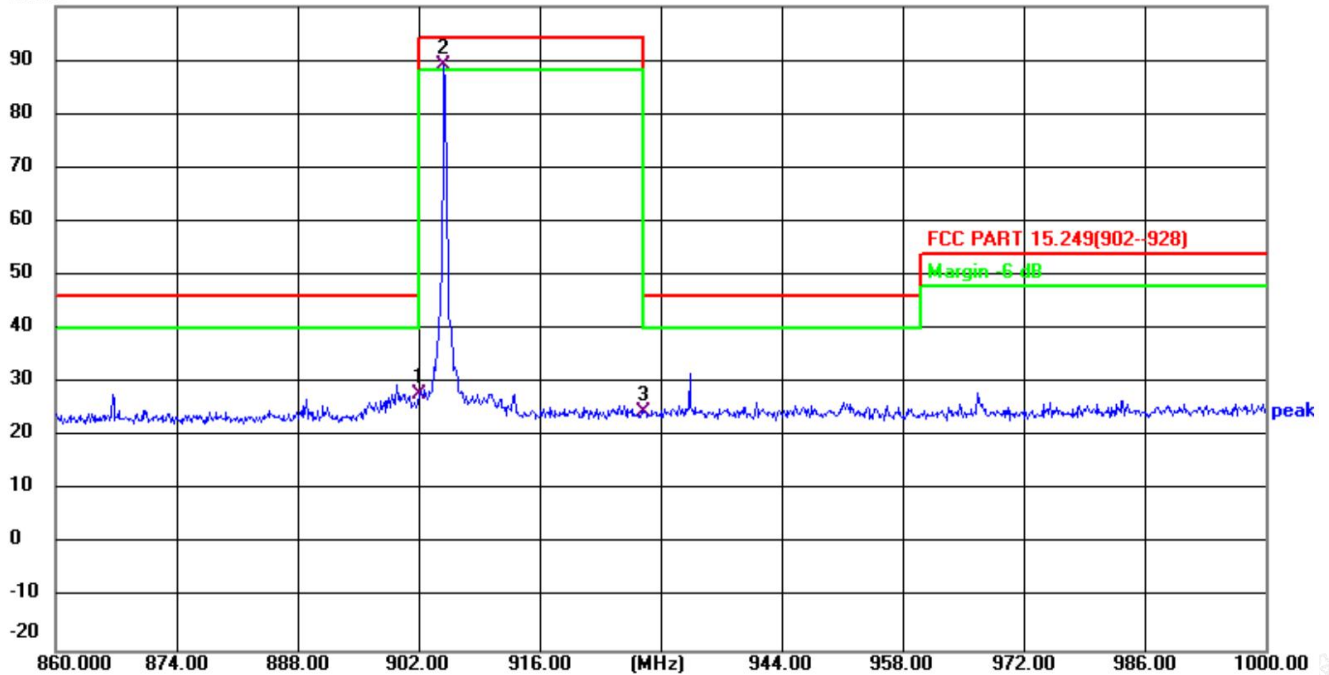


Temperature	23.8°C	Humidity	52.1%
Test Engineer	Mening Su	Modulation	OOK

Channel 0 / 905.0 MHz

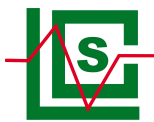
Vertical

100.0 dBuV/m



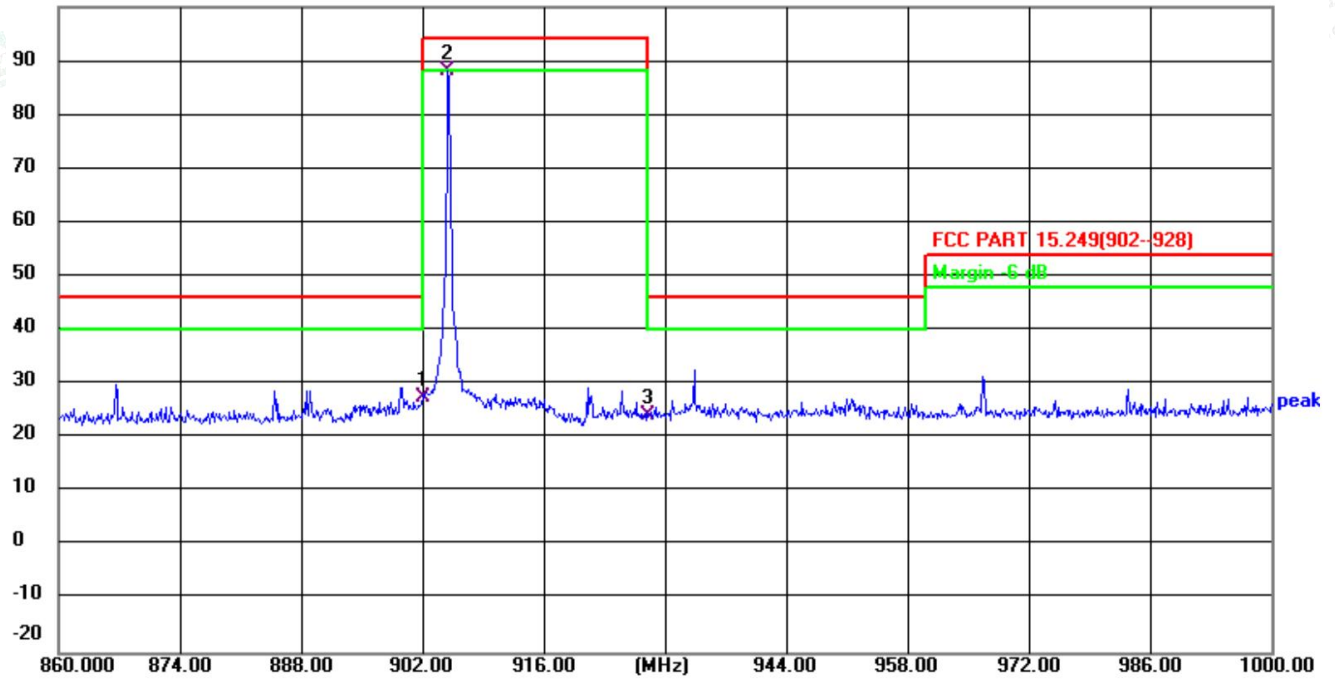
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	902.0000	35.99	-8.27	27.72	46.00	-18.28
2	904.9400	97.35	-8.22	89.13	94.00	-4.87
3	928.0000	32.50	-7.96	24.54	46.00	-21.46





Horizontal

100.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	902.0000	35.82	-8.27	27.55	46.00	-18.45
2	904.9400	96.46	-8.22	88.24	94.00	-5.76
3	928.0000	32.15	-7.92	24.23	46.00	-21.77

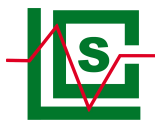


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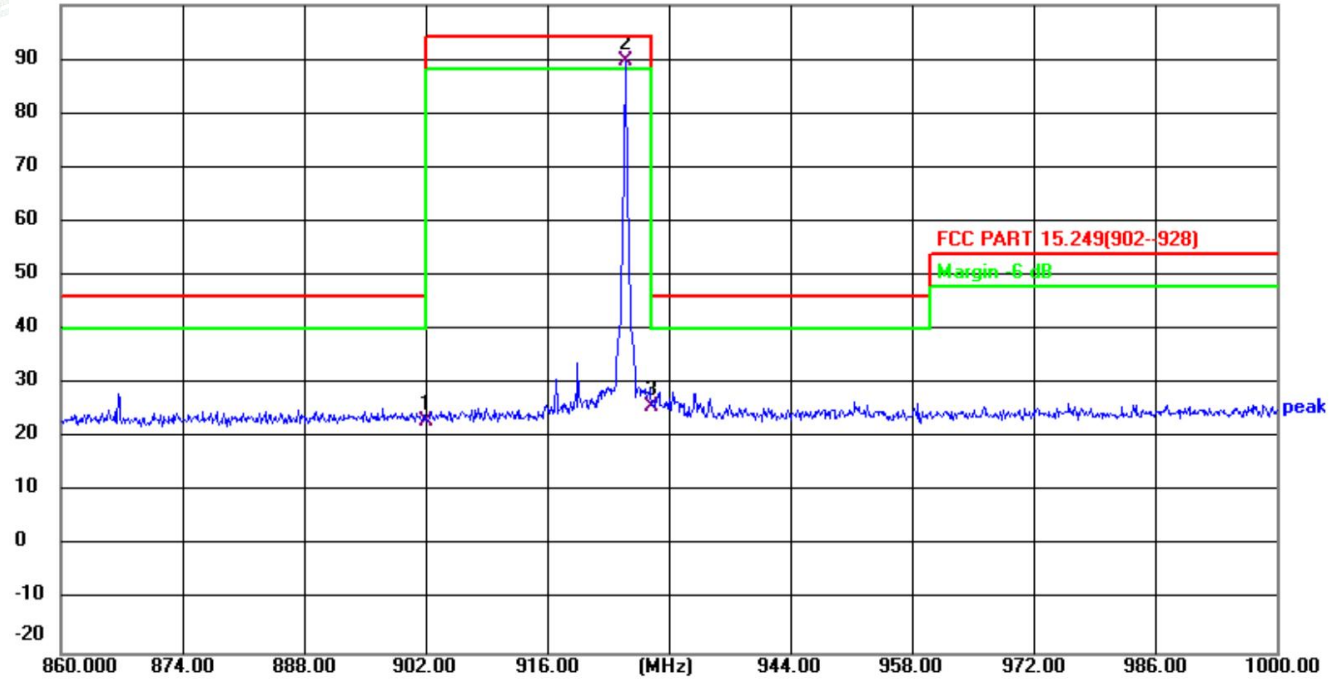
Scan code to check authenticity



Channel 40 / 925.0 MHz

Vertical

100.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	902.0000	31.39	-8.27	23.12	46.00	-22.88
2	924.9600	97.57	-7.93	89.64	94.00	-4.36
3	928.0000	33.86	-7.96	25.90	46.00	-20.10

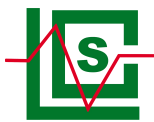


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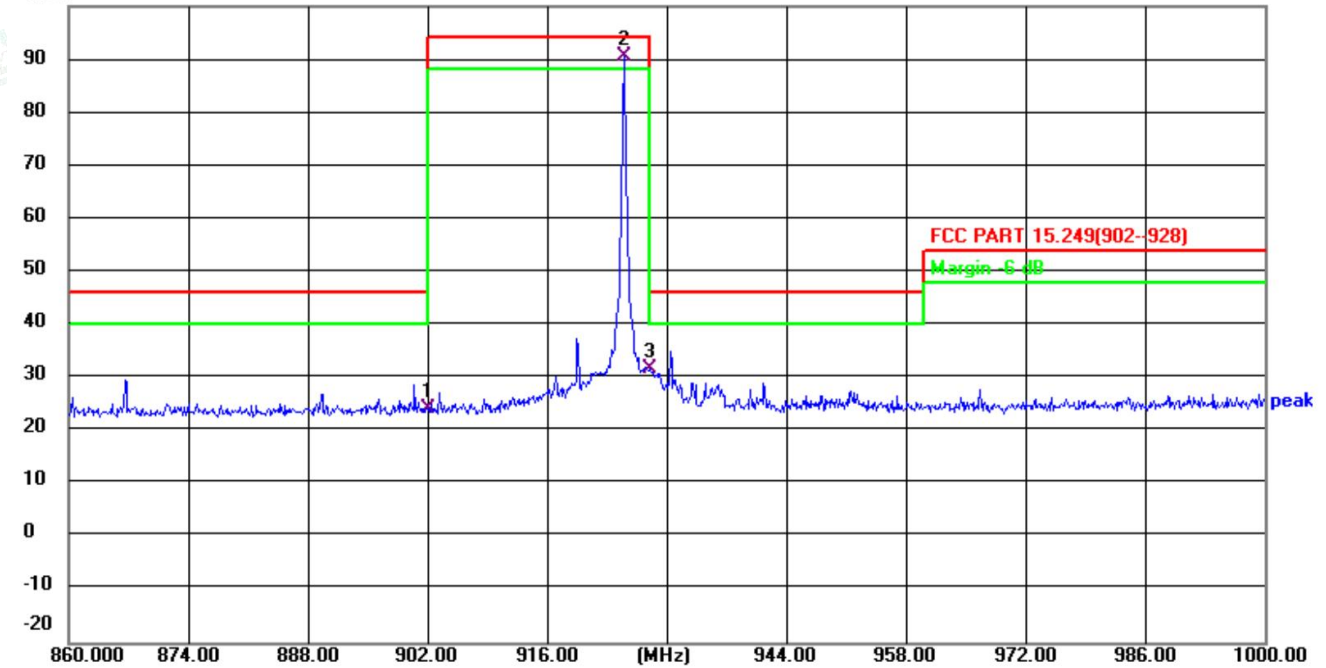
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Horizontal

100.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	902.0000	32.54	-8.27	24.27	46.00	-21.73
2	924.9600	98.55	-7.93	90.62	94.00	-3.38
3	928.0000	39.75	-7.92	31.83	46.00	-14.17

Notes:

- 1) Level (dBuV/m) = Reading + Factor;
- 2) Margin (dB) = Level - Limit;
- 3) Factor = Ant Fac - Pre Fac + Cab Loss.

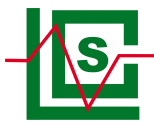


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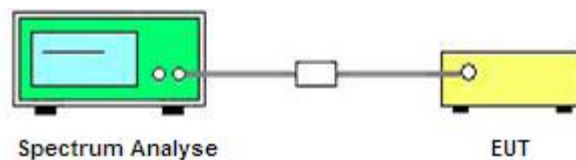
9. 99% OCCUPIED BANDWIDTH AND 20 DB BANDWIDTH MEASUREMENT

9.1. Standard Applicable

According to § 2.1049 and RSS-Gen section 6.7 “The occupied bandwidth or the “99% emission bandwidth” is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs.”

In some cases, the “x dB bandwidth” is required, which is defined as the frequency range between two points, one at the lowest frequency below and one at the highest frequency above the carrier frequency, at which the maximum power level of the transmitted emission is attenuated x dB below the maximum in band power level of the modulated signal, where the two points are on the outskirts of the in-band emission.

9.2. Block Diagram of Test Setup



9.3. Test Procedure

Use the following spectrum analyzer settings:

Span = 1 MHz

RBW = 30 KHz

VBW = 100 KHz

Sweep = auto

Detector function = peak

Trace = max hold

The EUT should be transmitting at its maximum data rate. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 20 dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is the 20 dB bandwidth of the emission. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).

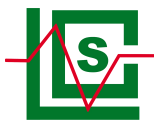


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9.4. Test Results

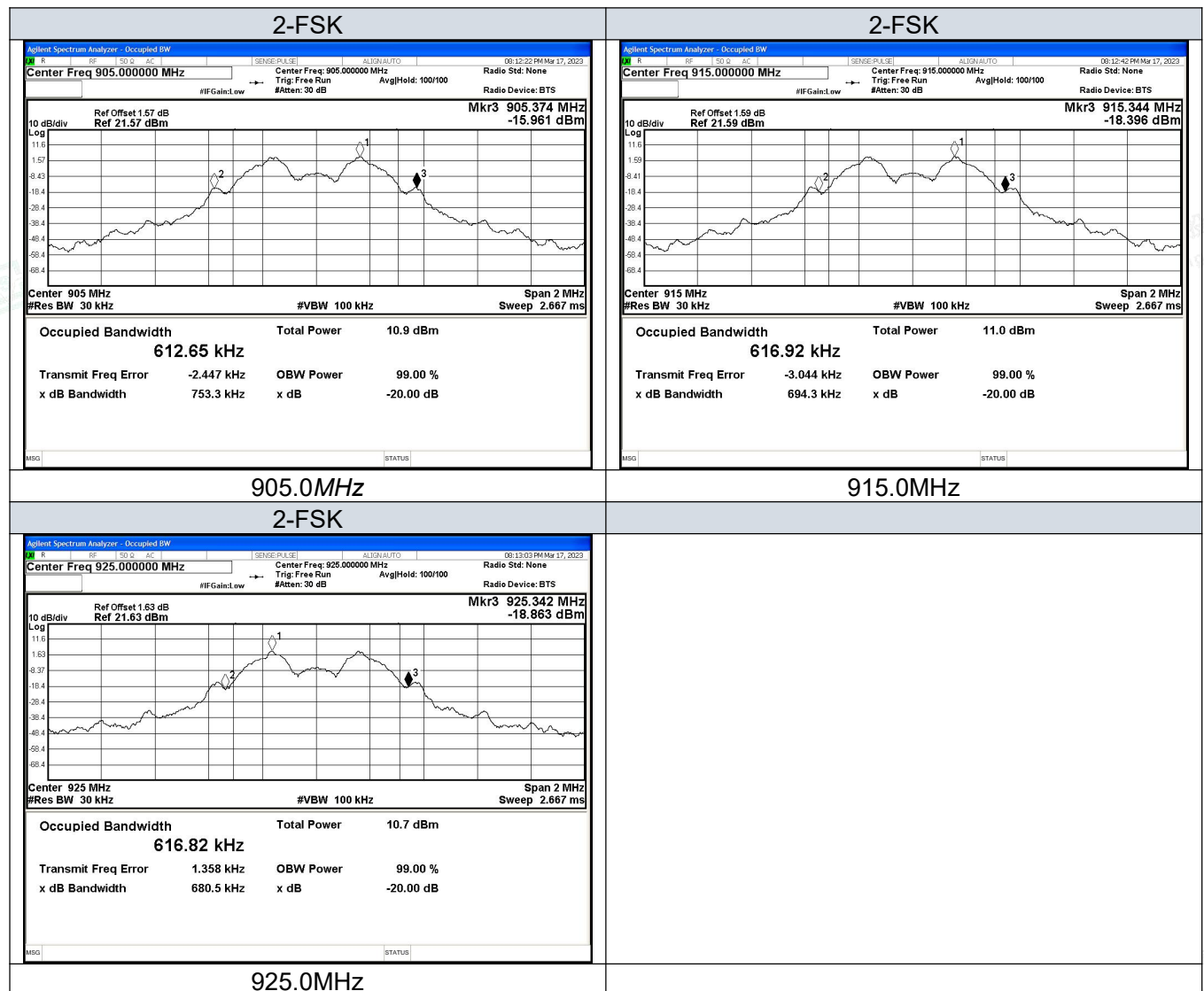
Temperature	24.6°C	Humidity	54.1%
Test Engineer	Mening Su		

Test Result of 99% and 20dB Bandwidth Measurement

Channel	Modulation	Test Frequency (MHz)	20dB Bandwidth (KHz)	99% Bandwidth (KHz)	Limit (MHz)
00(LCH)	2-FSK	905.0	753.3	612.65	Non-Specified
19(MCH)	2-FSK	915.0	694.3	616.92	Non-Specified
40(HCH)	2-FSK	925.0	680.5	616.82	Non-Specified

Remark:

1. Test results including cable loss;
2. Please refer following test plots;

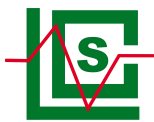


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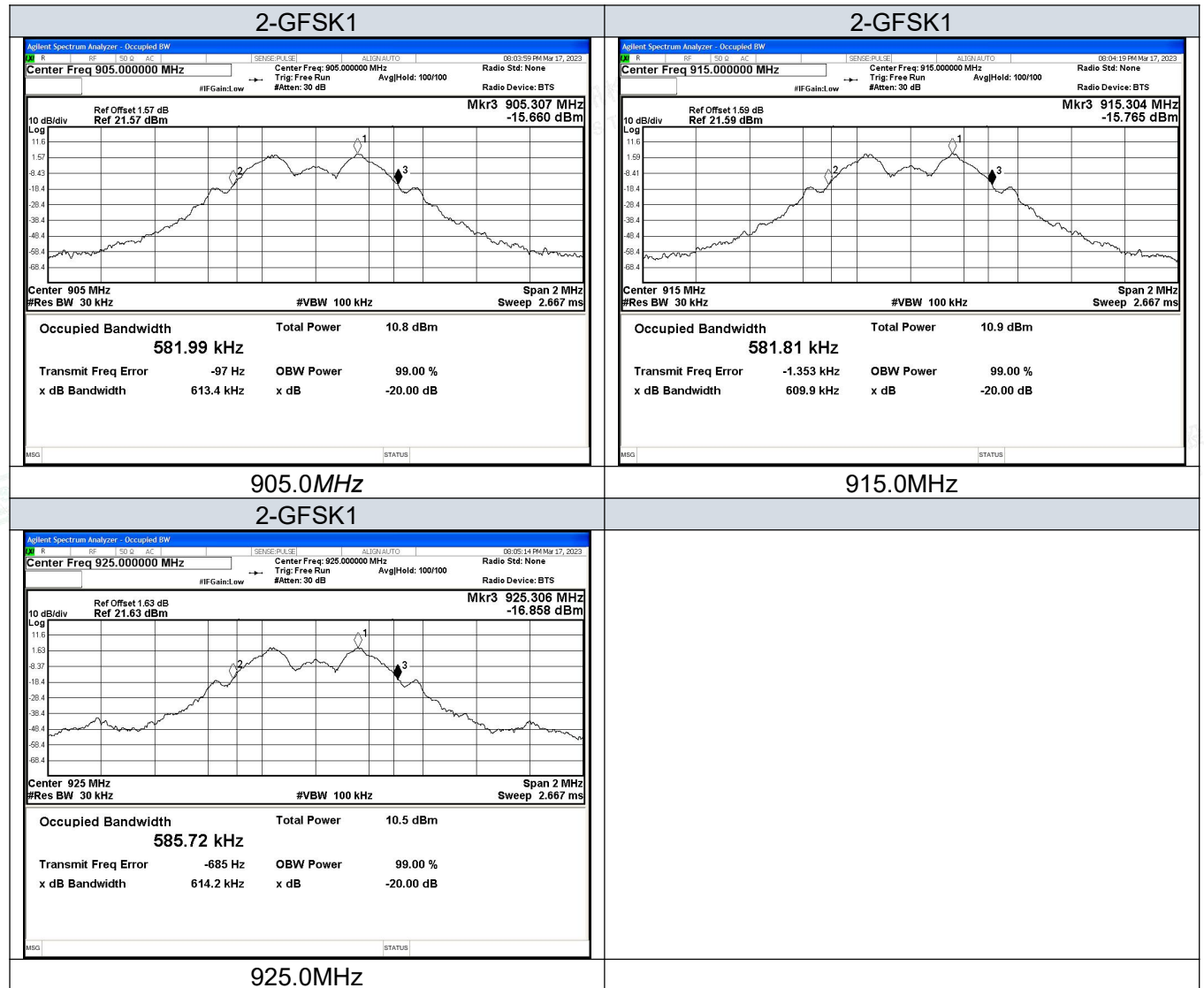


Test Result of 99% and 20dB Bandwidth Measurement

Channel	Modulation	Test Frequency (MHz)	20dB Bandwidth (KHz)	99% Bandwidth (KHz)	Limit (MHz)
00(LCH)	2-GFSK1	905.0	613.4	581.99	Non-Specified
19(MCH)	2-GFSK1	915.0	609.9	581.81	Non-Specified
40(HCH)	2-GFSK1	925.0	614.2	585.72	Non-Specified

Remark:

3. Test results including cable loss;
4. Please refer following test plots;

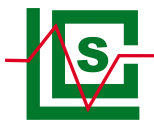


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Test Result of 99% and 20dB Bandwidth Measurement

Channel	Modulation	Test Frequency (MHz)	20dB Bandwidth (KHz)	99% Bandwidth (KHz)	Limit (MHz)
00(LCH)	2-GFSK05	905.0	565.7	524.71	Non-Specified
19(MCH)	2-GFSK05	915.0	565.7	524.21	Non-Specified
40(HCH)	2-GFSK05	925.0	570.0	527.83	Non-Specified

Remark:

5. Test results including cable loss;

6. Please refer following test plots;

2-GFSK05



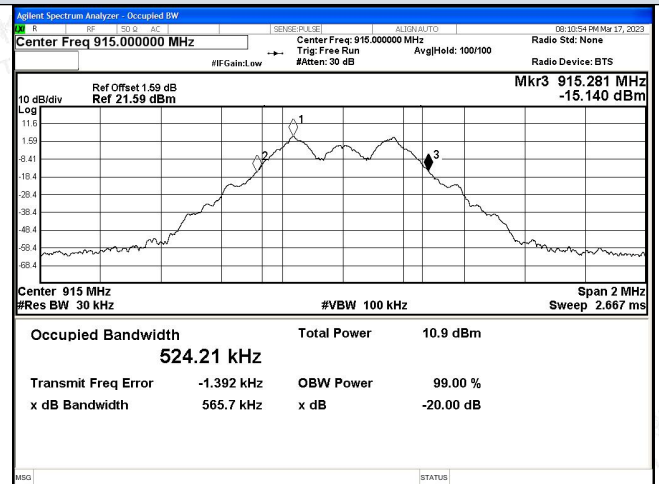
905.0MHz

2-GFSK05



925.0MHz

2-GFSK05



915.0MHz

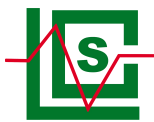


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Test Result of 99% and 20dB Bandwidth Measurement

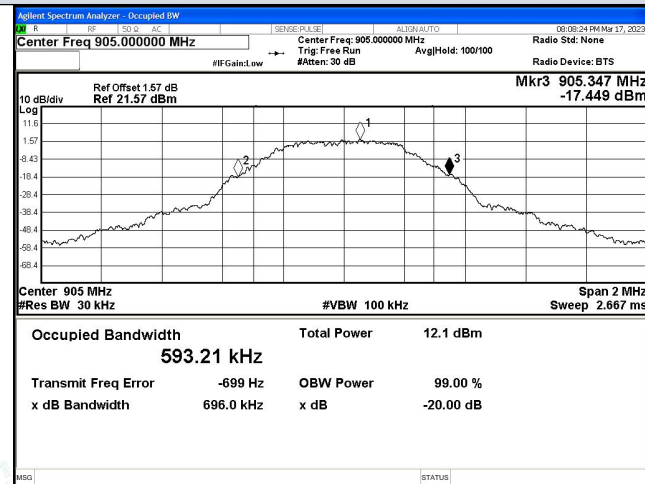
Channel	Modulation	Test Frequency (MHz)	20dB Bandwidth (KHz)	99% Bandwidth (KHz)	Limit (MHz)
00(LCH)	4-FSK	905.0	696.0	593.21	Non-Specified
19(MCH)	4-FSK	915.0	712.9	594.74	Non-Specified
40(HCH)	4-FSK	925.0	701.0	599.33	Non-Specified

Remark:

7. Test results including cable loss;

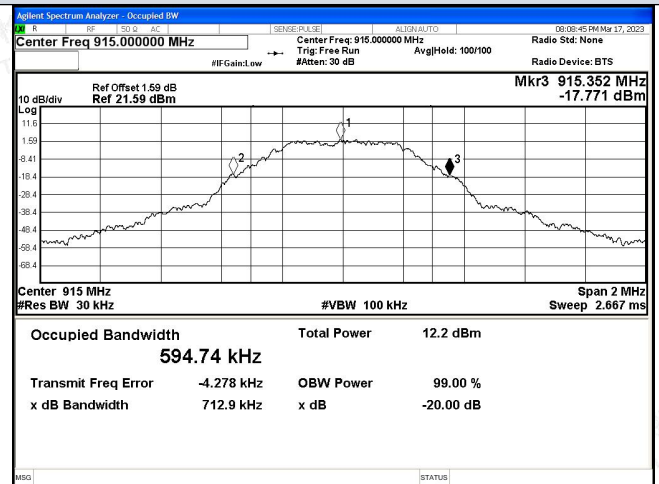
8. Please refer following test plots;

4-FSK



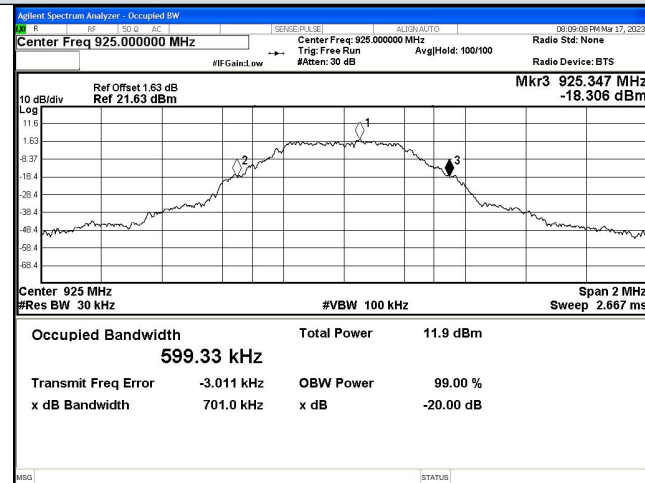
905.0MHz

4-FSK



915.0MHz

4-FSK



925.0MHz

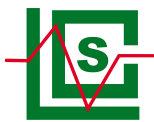


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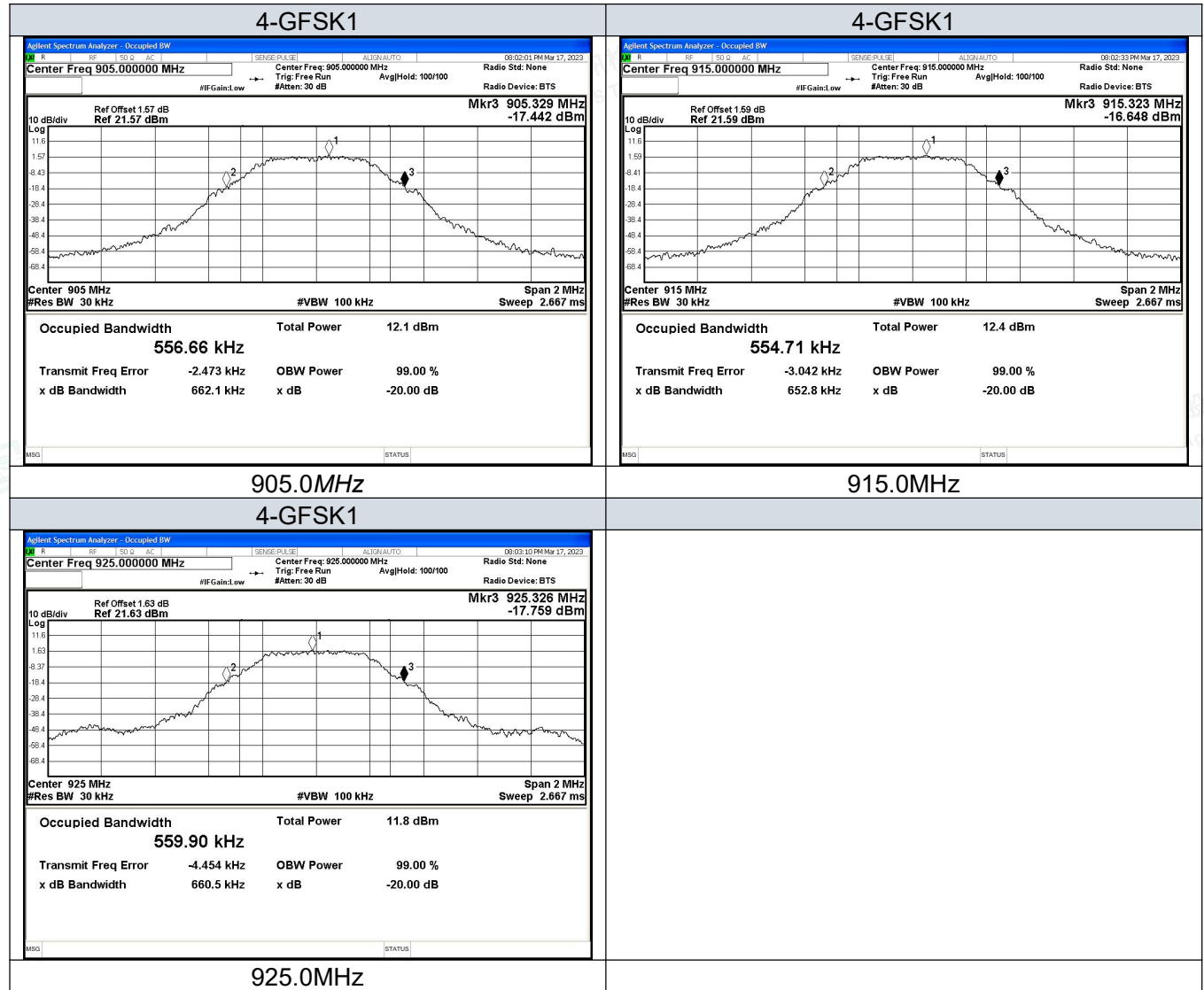
Test Result of 99% and 20dB Bandwidth Measurement

Channel	Modulation	Test Frequency (MHz)	20dB Bandwidth (KHz)	99% Bandwidth (KHz)	Limit (MHz)
00(LCH)	4-GFSK1	905.0	662.1	556.66	Non-Specified
19(MCH)	4-GFSK1	915.0	652.8	554.71	Non-Specified
40(HCH)	4-GFSK1	925.0	660.5	559.90	Non-Specified

Remark:

9. Test results including cable loss;

10. Please refer following test plots;

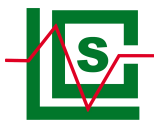


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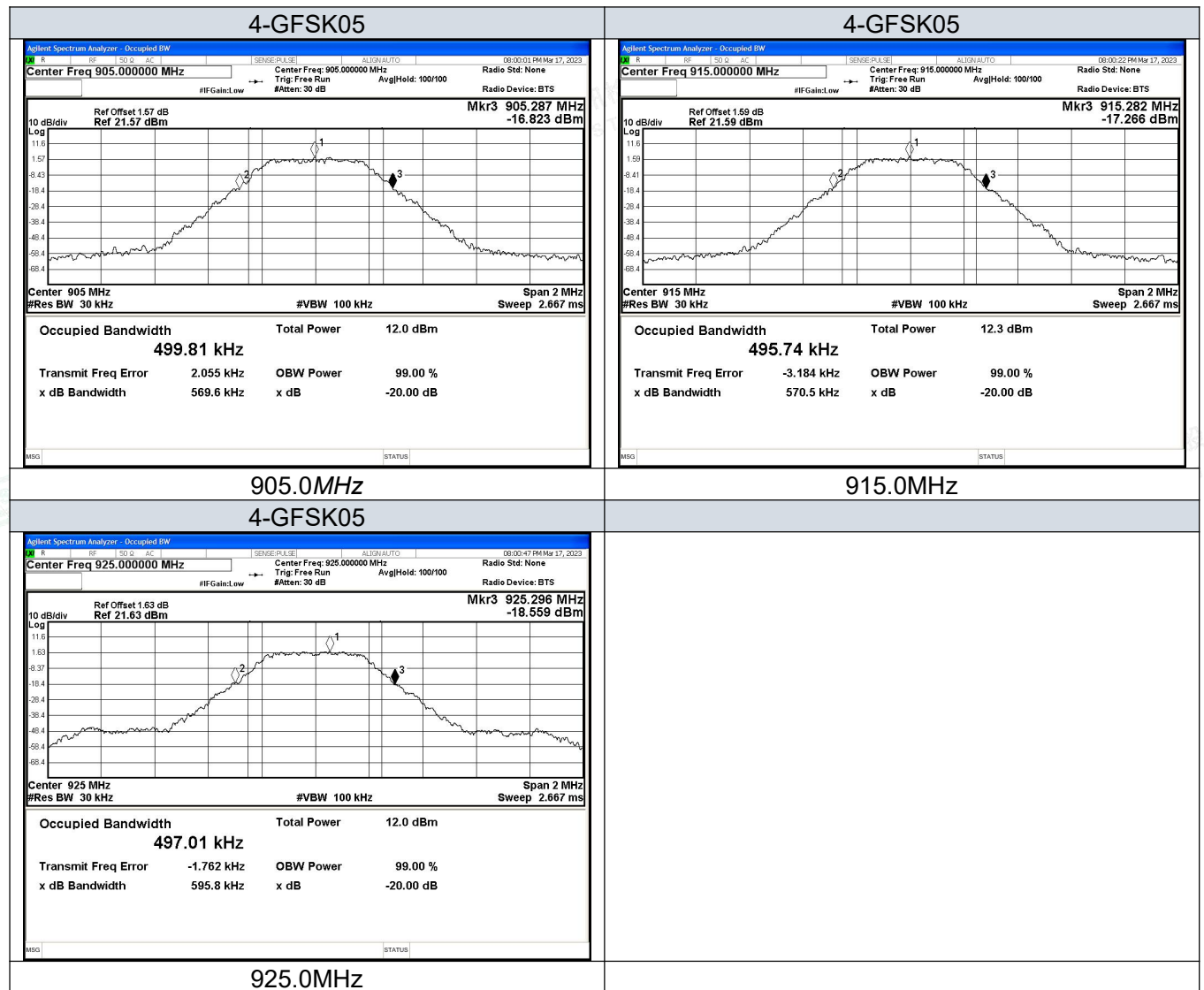
Test Result of 99% and 20dB Bandwidth Measurement

Channel	Modulation	Test Frequency (MHz)	20dB Bandwidth (KHz)	99% Bandwidth (KHz)	Limit (MHz)
00(LCH)	4-GFSK05	905.0	569.6	499.81	Non-Specified
19(MCH)	4-GFSK05	915.0	570.5	495.74	Non-Specified
40(HCH)	4-GFSK05	925.0	595.8	497.01	Non-Specified

Remark:

11. Test results including cable loss;

12. Please refer following test plots;

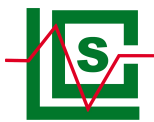


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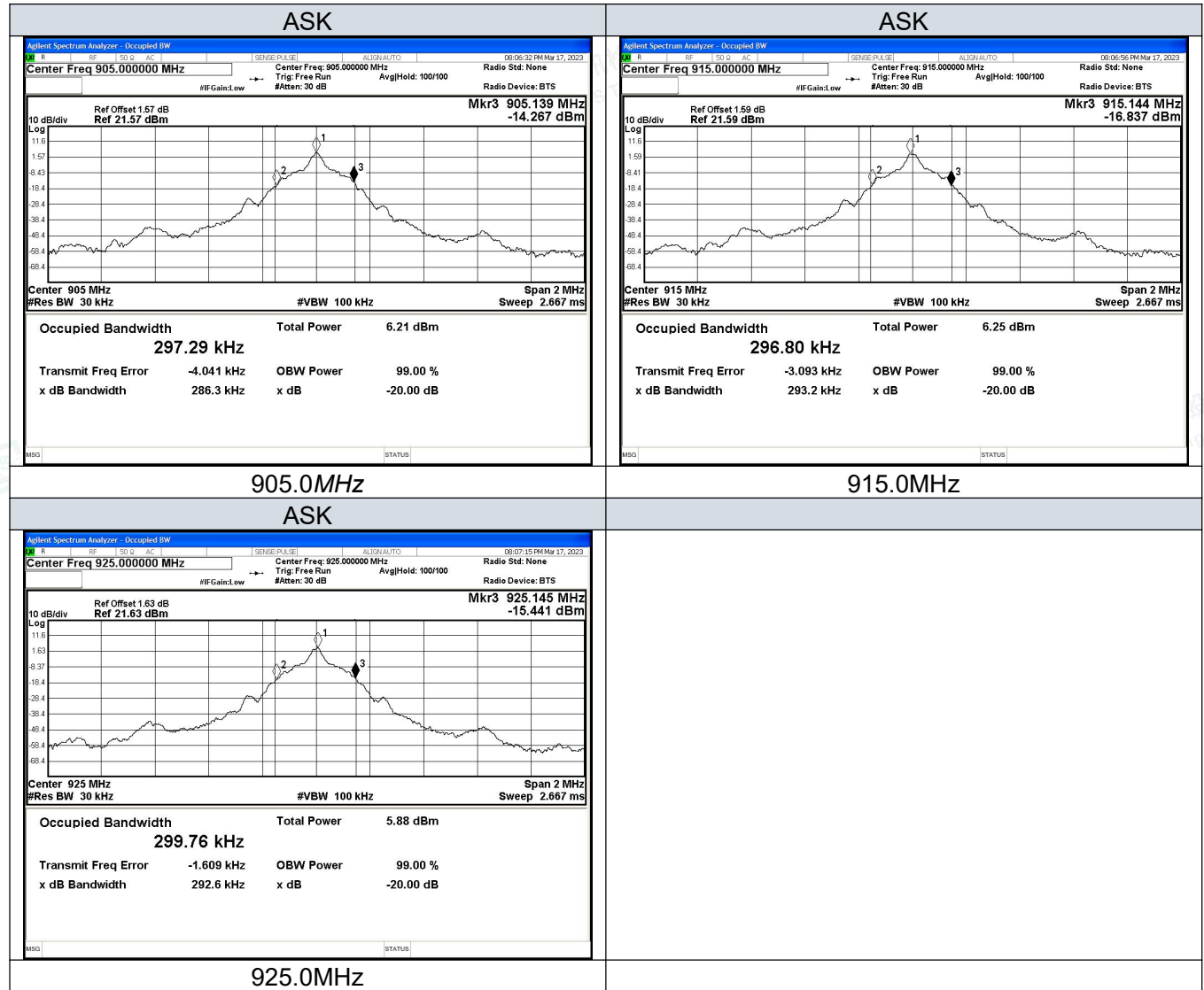
Test Result of 99% and 20dB Bandwidth Measurement

Channel	Modulation	Test Frequency (MHz)	20dB Bandwidth (KHz)	99% Bandwidth (KHz)	Limit (MHz)
00(LCH)	ASK	905.0	286.3	297.29	Non-Specified
19(MCH)	ASK	915.0	293.2	296.80	Non-Specified
40(HCH)	ASK	925.0	292.6	299.76	Non-Specified

Remark:

13. Test results including cable loss;

14. Please refer following test plots;

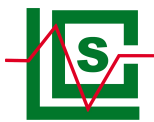


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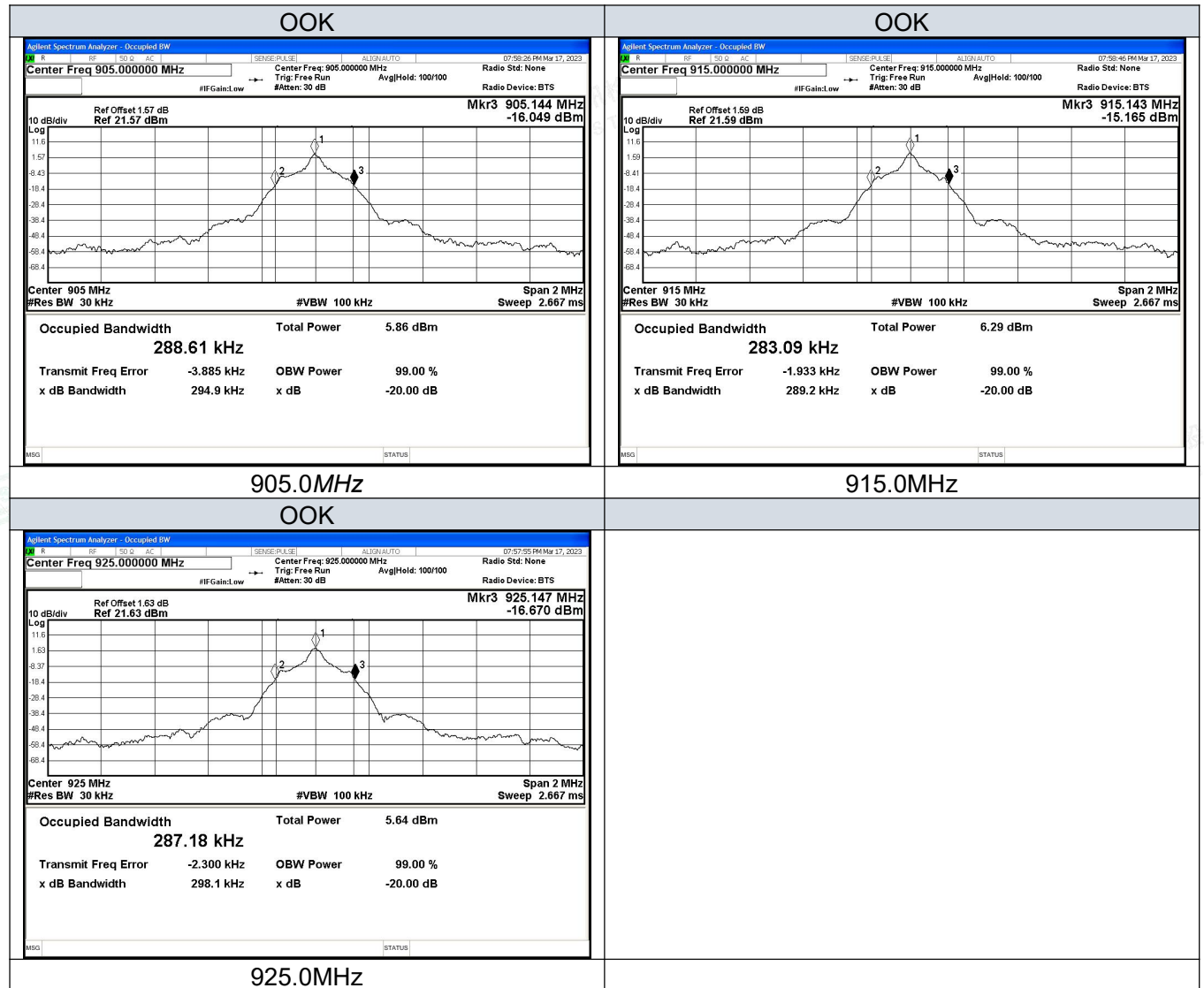
Test Result of 99% and 20dB Bandwidth Measurement

Channel	Modulation	Test Frequency (MHz)	20dB Bandwidth (KHz)	99% Bandwidth (KHz)	Limit (MHz)
00(LCH)	OOK	905.0	294.9	288.61	Non-Specified
19(MCH)	OOK	915.0	289.2	283.09	Non-Specified
40(HCH)	OOK	925.0	298.1	287.18	Non-Specified

Remark:

15. Test results including cable loss;

16. Please refer following test plots;

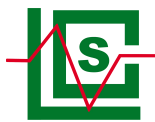


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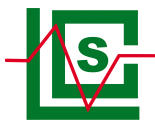
Scan code to check authenticity



10. LIST OF MEASURING EQUIPMENT

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	MXA Signal Analyzer	Agilent	N9020A	MY49100060	2022-10-29	2023-10-28
2	DC Power Supply	Agilent	E3642A	N/A	2022-10-29	2023-10-28
3	Temperature & Humidity Chamber	GUANGZHOU GOGNWEN	GDS-100	70932	2022-10-06	2023-10-05
4	EMI Test Software	AUDIX	E3	/	N/A	N/A
5	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2022-06-16	2023-06-15
6	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
7	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2021-08-29	2024-08-28
8	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2021-09-12	2024-09-11
9	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2021-09-05	2024-09-04
10	EMI Test Receiver	R&S	ESR 7	101181	2022-06-16	2023-06-15
11	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2022-10-29	2023-10-28
12	Broadband Preamplifier	/	BP-01M18G	P190501	2022-06-16	2023-06-15
13	EMI Test Receiver	R&S	ESPI	101940	2022-08-18	2023-08-17
14	Artificial Mains	R&S	ENV216	101288	2022-06-16	2023-06-15
15	10dB Attenuator	SCHWARZBECK	MTS-IMP-136	261115-001-0032	2022-06-16	2023-06-15
16	EMI Test Software	Farad	EZ	/	N/A	N/A





11. TEST SETUP PHOTOGRAPHS OF THE EUT

Please refer to separated files for Test Setup Photos of the EUT.

12. EXTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for External Photos of the EUT.

13. INTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for Internal Photos of the EUT.

-----THE END OF REPORT-----

