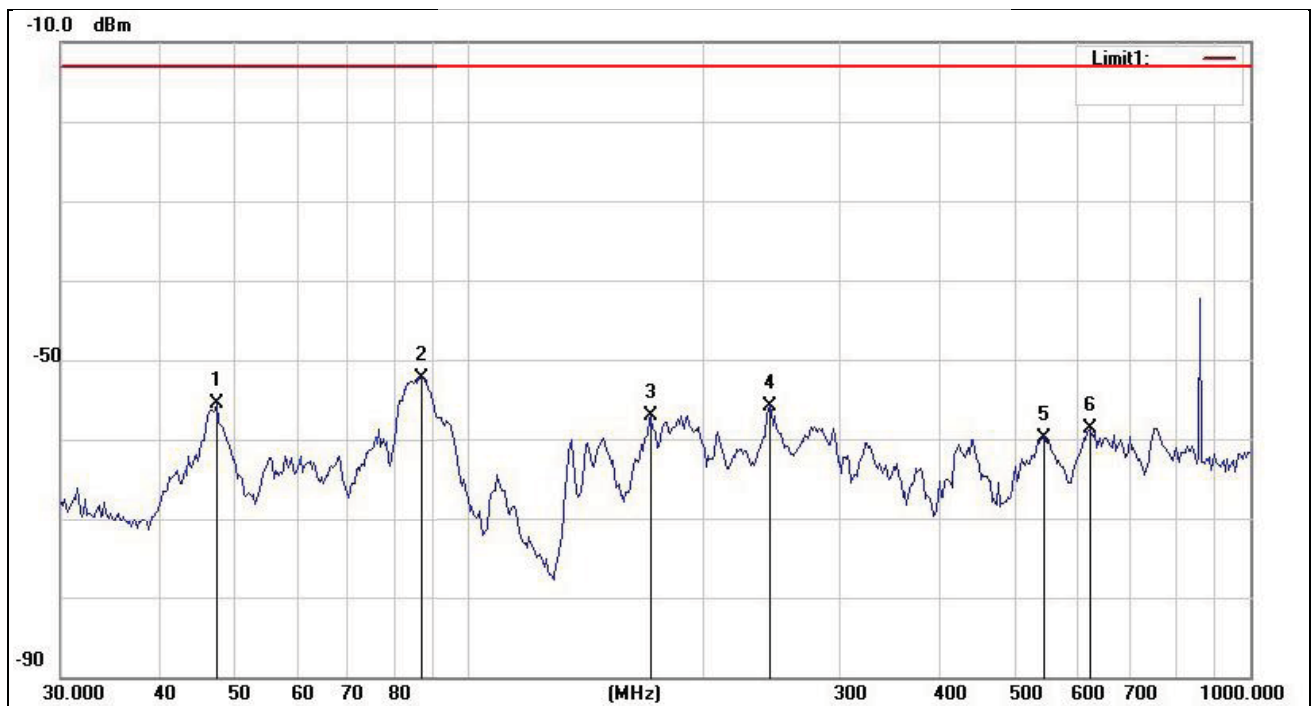


11.11.4. Test results

11.11.4.1. Below 1GHz

11.11.4.1.1. Polarization type: Horizontal

Test Result:	PASS	Polarization:	Horizontal
Standard:	FCC PART 90	Power Source:	AC 110V, 50Hz
Test item:	Radiation spurious emissions	Date:	2024-05-22
Temp.(°C)/Hum.(%RH):	22.1°C/48%RH	Time:	9:19:14
EUT:	Public Safety DAS	Test mode:	Downlink mode
Model:	RH78V3-A	Distance:	3m
Note:	/		



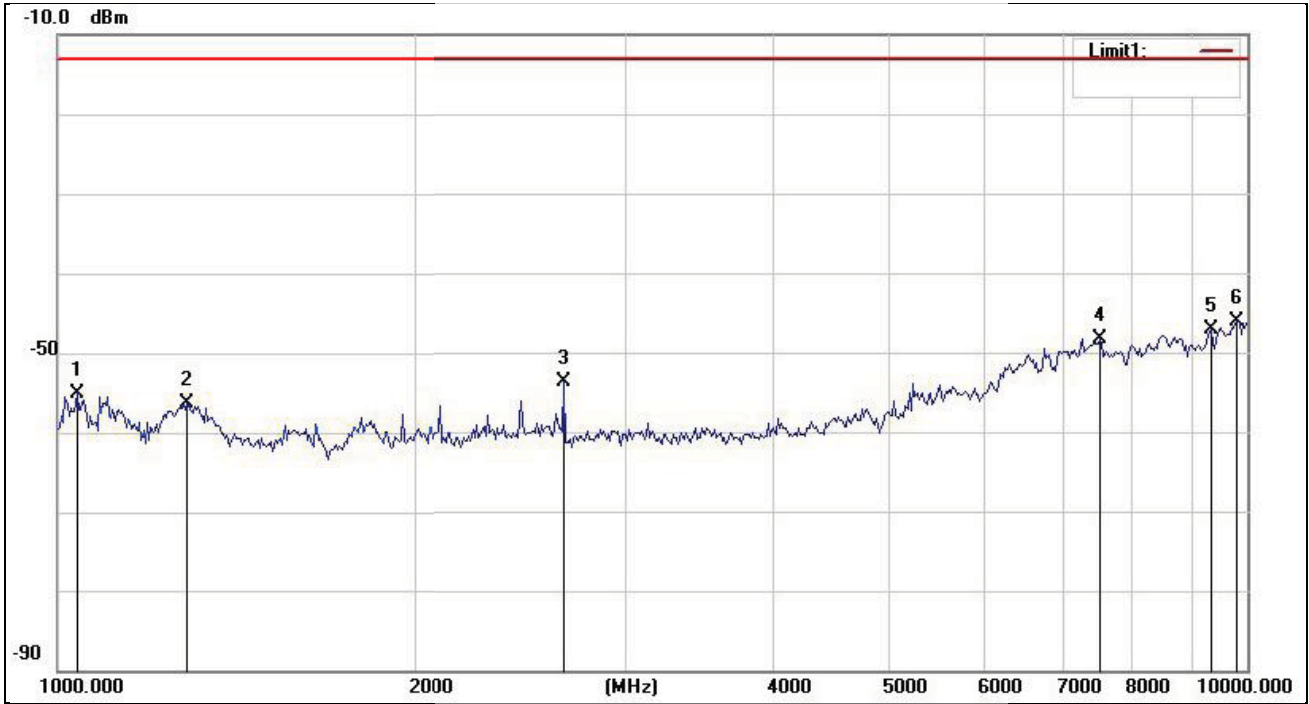
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	Factor(dB)	(dBm)	(dBm)	(dB)	
1	47.5601	-84.96	29.44	-55.52	-13.00	-42.52	peak
2	86.7716	-73.90	21.68	-52.22	-13.00	-39.22	peak
3	171.2693	-80.83	23.79	-57.04	-13.00	-44.04	peak
4	242.6561	-82.59	26.79	-55.80	-13.00	-42.80	peak
5	545.0356	-91.41	31.61	-59.80	-13.00	-46.80	peak
6	623.7307	-92.58	33.90	-58.68	-13.00	-45.68	peak

NOTE 1: When the read value of the test frequency does not exceed the peak limit, peak value is used instead of RMS value.

NOTE 2: The signal with a spike is the signal loaded by the device, with a frequency of 861.5MHz.

11.11.4.2. Above 1GHz
11.11.4.2.1. Polarization type: Horizontal

Test Result:	PASS	Polarization:	Horizontal
Standard:	FCC PART 90	Power Source:	AC 110V, 50Hz
Test item:	Radiation spurious emissions	Date:	2024-05-22
Temp.(°C)/Hum.(%RH):	22.1°C/48%RH	Time:	9:08:43
EUT:	Public Safety DAS	Test mode:	Downlink mode
Model:	RH78V3-A	Distance:	3m
Note:	/		

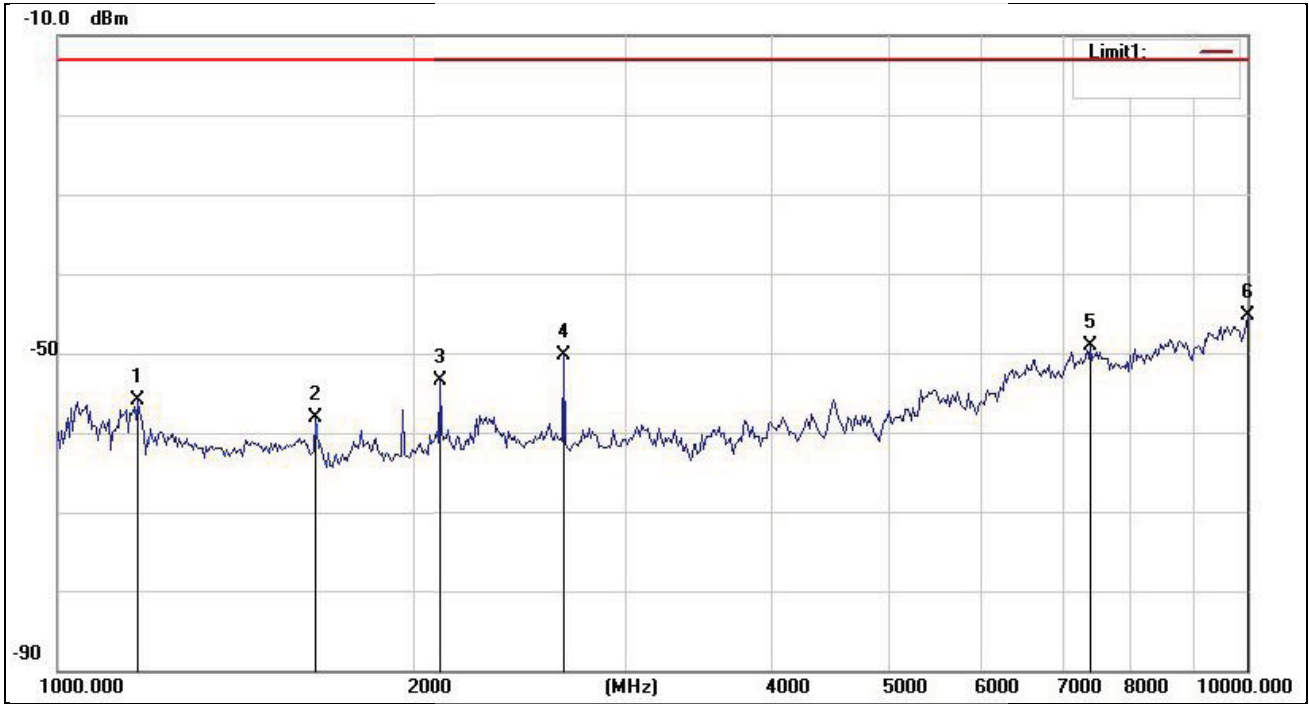


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	Factor(dB)	(dBm)	(dBm)	(dB)	
1	1084.567	-61.25	5.66	-55.59	-13.00	-42.59	peak
2	1275.761	-63.84	8.05	-55.79	-13.00	-42.79	peak
3	2099.498	-64.09	7.26	-56.83	-13.00	-43.83	peak
4	2668.591	-62.75	8.02	-54.73	-13.00	-41.73	peak
5	7498.942	-70.87	22.59	-48.28	-13.00	-35.28	peak
6	9322.906	-68.37	22.40	-45.97	-13.00	-32.97	peak

NOTE: When the read value of the test frequency does not exceed the peak limit, peak value is used instead of RMS value.

11.11.4.2.2. Polarization type: Vertical

Test Result:	PASS	Polarization:	Vertical
Standard:	FCC PART 90	Power Source:	AC 110V, 50Hz
Test item:	Radiation spurious emissions	Date:	2024-05-22
Temp.(°C)/Hum.(%RH):	22.1°C/48%RH	Time:	9:10:47
EUT:	Public Safety DAS	Test mode:	Downlink mode
Model:	RH78V3-A	Distance:	3m
Note:	/		



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	Factor(dB)	(dBm)	(dBm)	(dB)	
1	1167.637	-60.15	4.28	-55.87	-13.00	-42.87	peak
2	1645.683	-62.67	4.58	-58.09	-13.00	-45.09	peak
3	2099.498	-60.46	6.95	-53.51	-13.00	-40.51	peak
4	2668.591	-57.53	7.33	-50.20	-13.00	-37.20	peak
5	7389.069	-70.22	21.03	-49.19	-13.00	-36.19	peak
6	10000.000	-68.95	23.60	-45.35	-13.00	-32.35	peak

Note: When the read value of the test frequency does not exceed the peak limit, peak is used instead of RMS value.

Appendix A. Original report test data

NOTE: The following content is the test data corresponding to the original report number E20230509197301-3.

11.12. Input Signals

11.12.1. Result

Test Date (yy-mm-dd): 2023-05-17

Normal condition: Temp: 28.1°C, Humid: 62%, Atmospheric Pressure: 101kpa

Supply Voltage: AC 110V, 50Hz

11.12.2. Input Signals screenshot

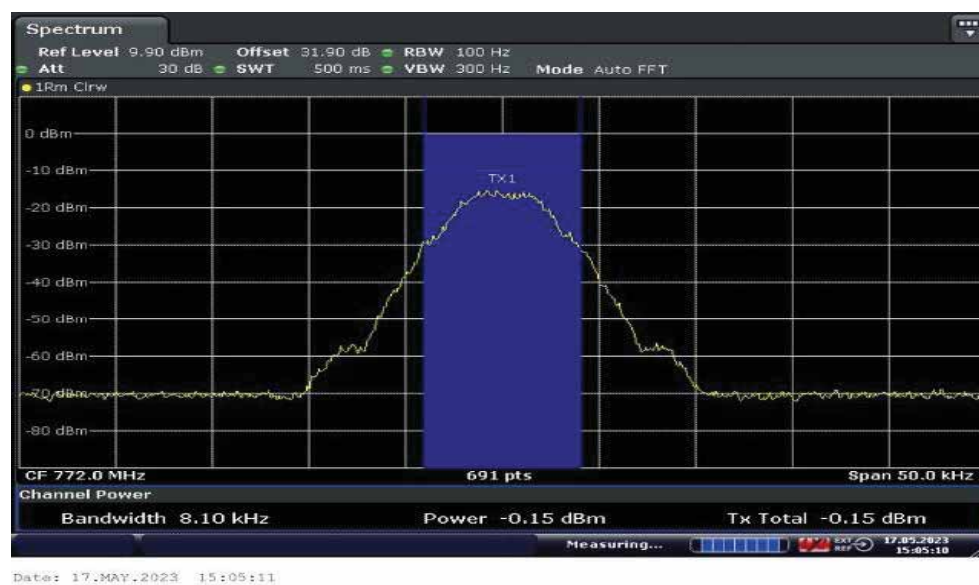
11.12.2.1. 700MHz Band

11.12.2.1.1. P25 Phase I(C4FM)

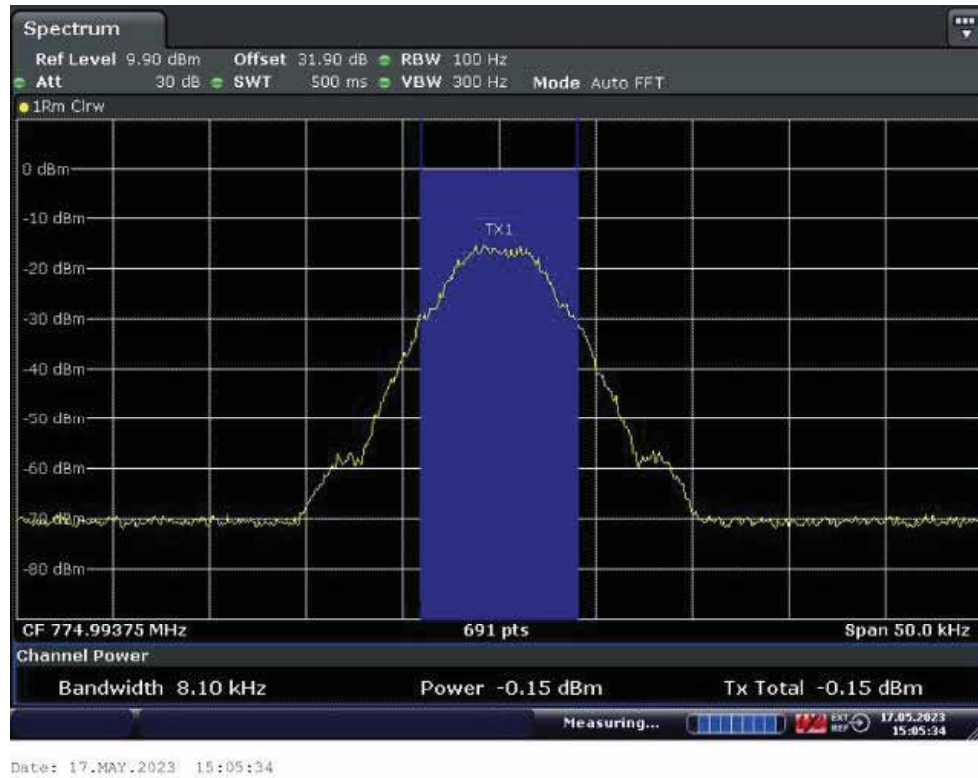
11.12.2.1.1.1. Downlink



Low Frequency: 769.00625MHz

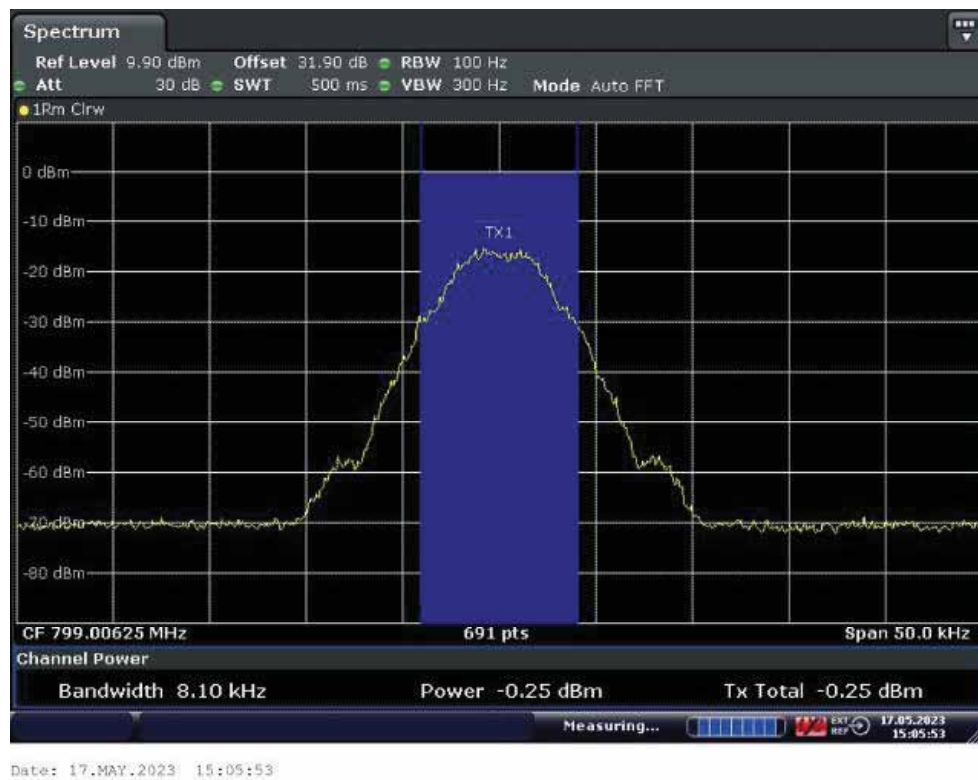


Middle Frequency: 772.0MHz

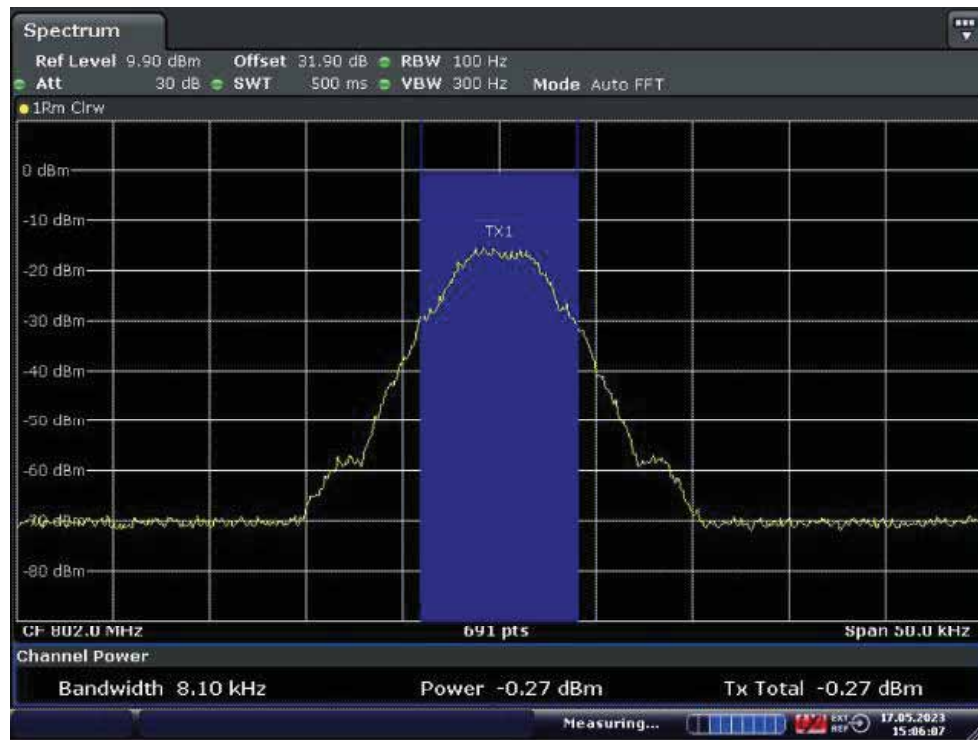


High Frequency: 774.99375MHz

11.12.2.1.1.2. Uplink

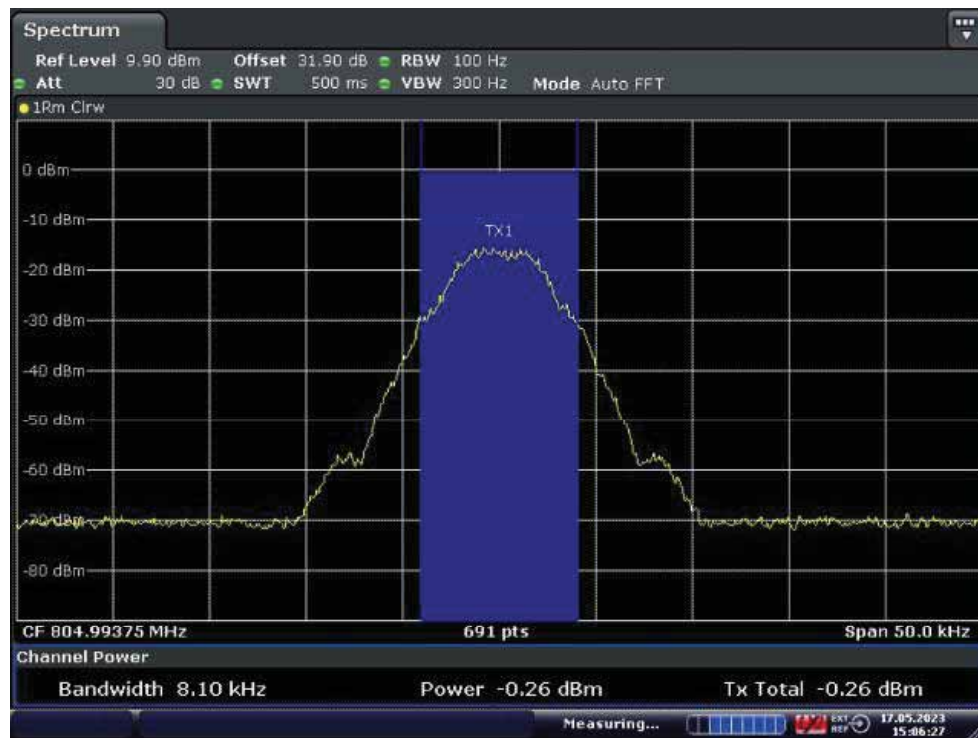


Low Frequency: 799.00625MHz



Date: 17.MAY.2023 15:06:08

Middle Frequency: 802.0MHz

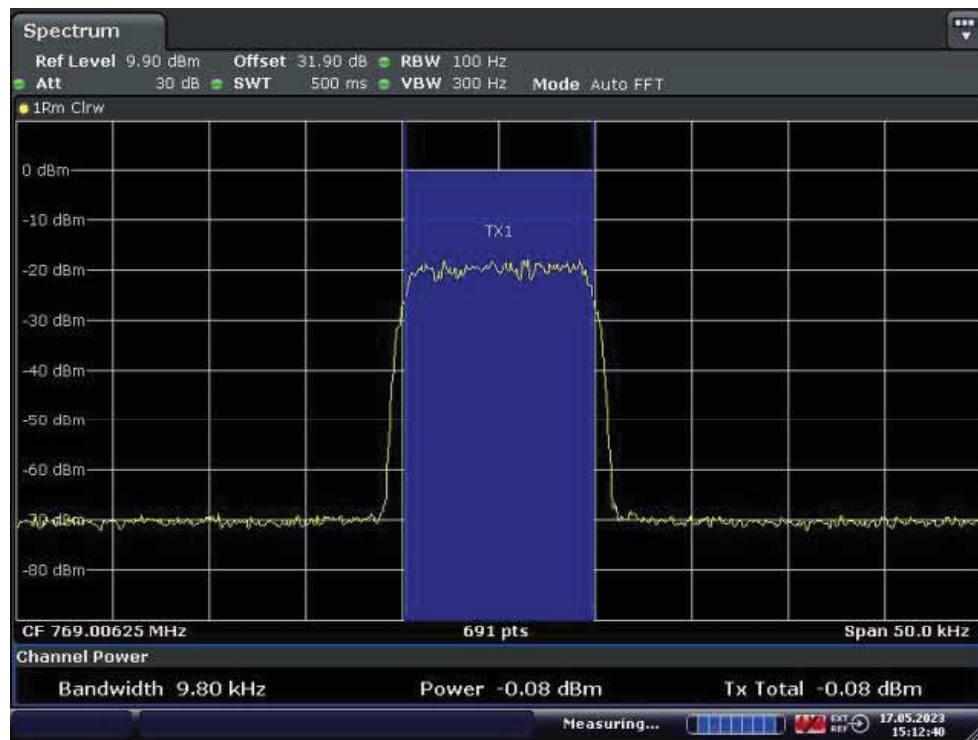


Date: 17.MAY.2023 15:06:28

High Frequency: 804.99375MHz

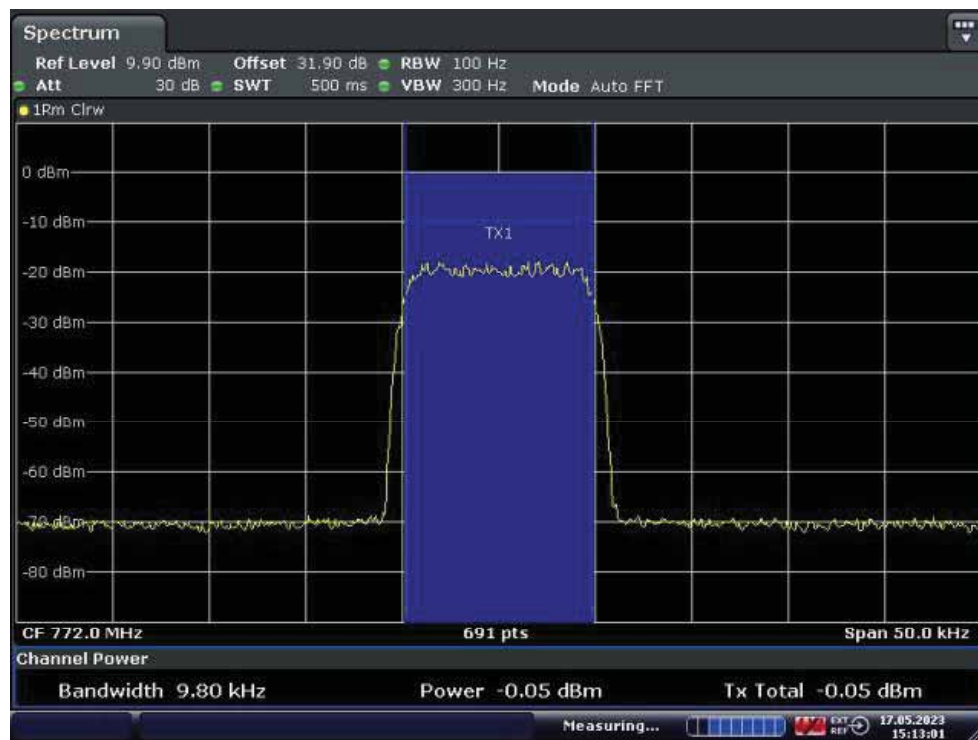
11.12.2.1.2. P25 Phase II(H-DQPSK)

11.12.2.1.2.1. Downlink



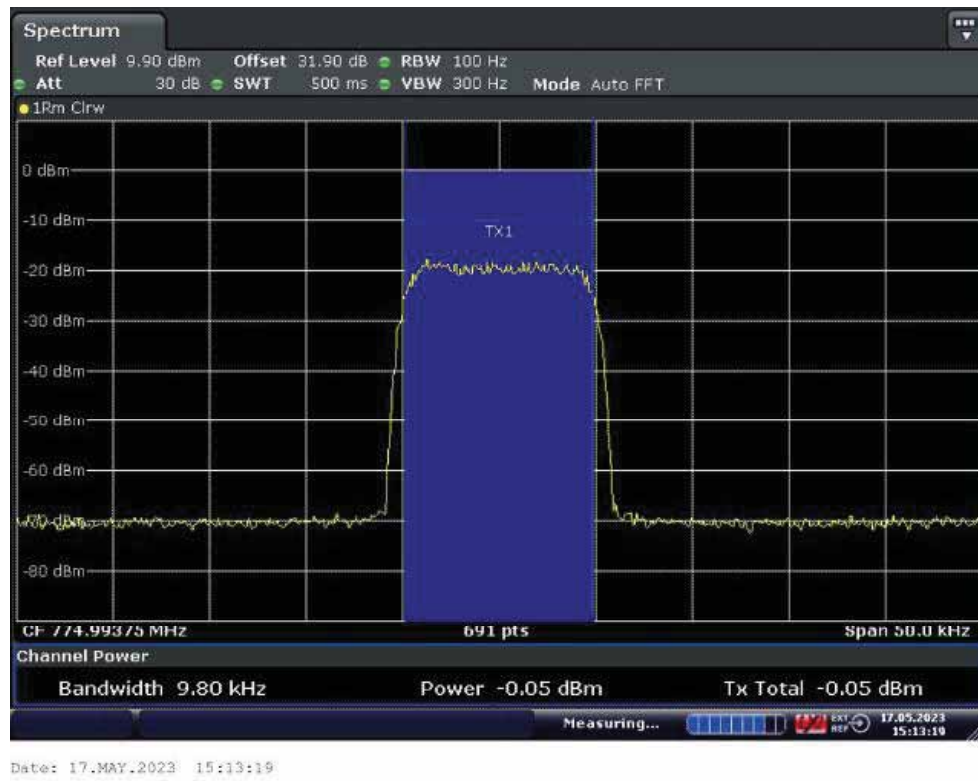
Date: 17.MAY.2023 15:12:41

Low Frequency: 769.00625MHz



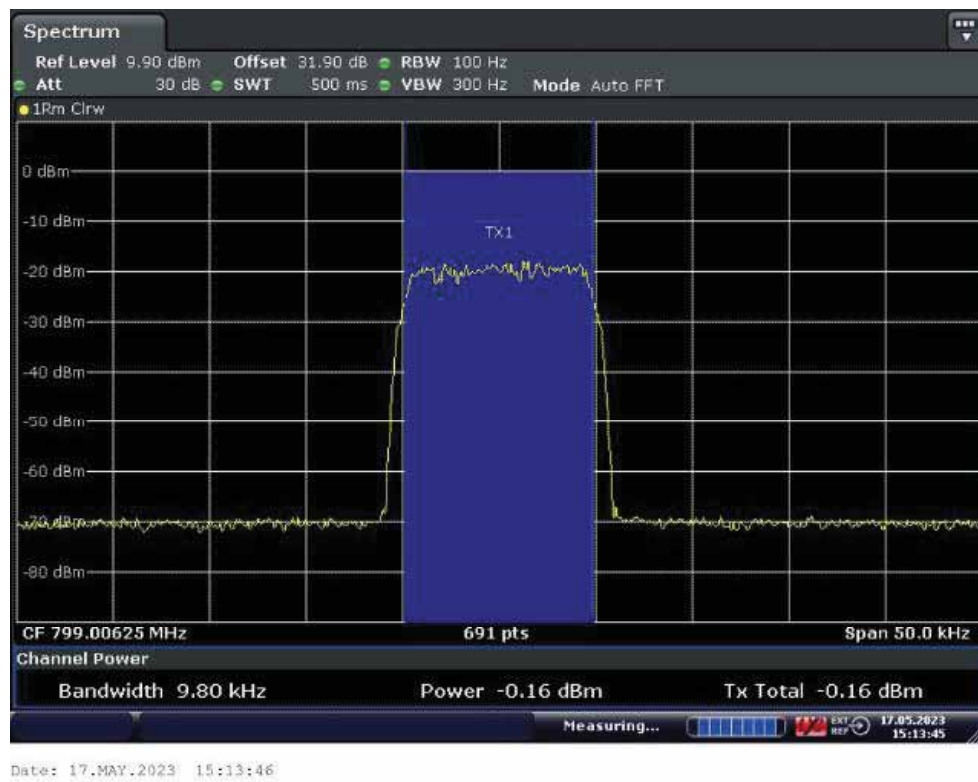
Date: 17.MAY.2023 15:13:01

Middle Frequency: 772.0MHz

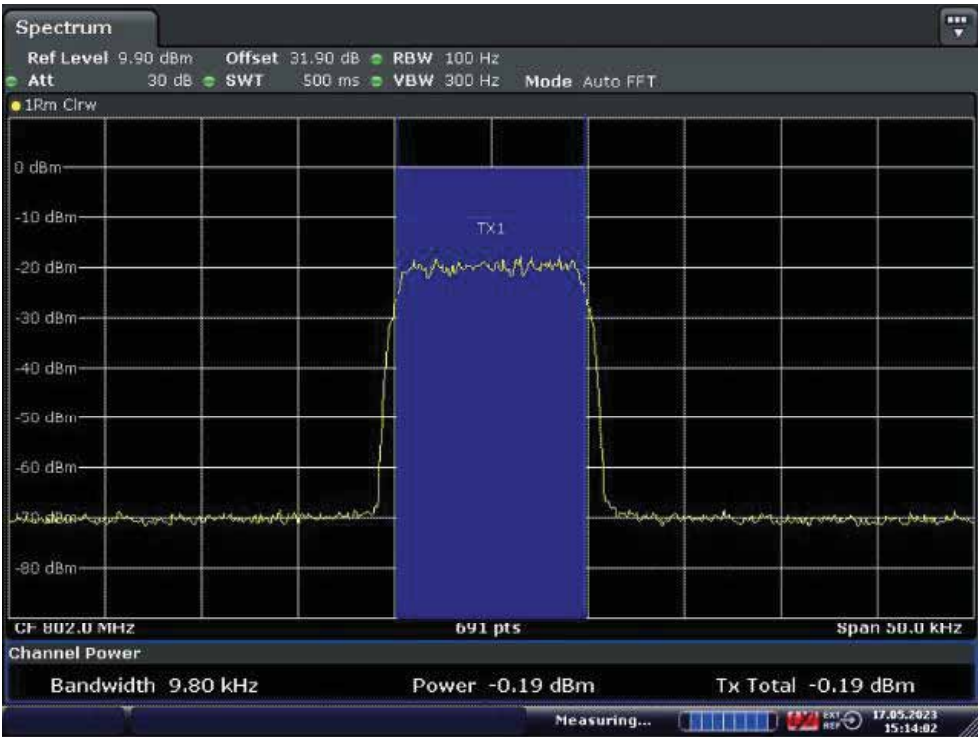


High Frequency: 774.99375MHz

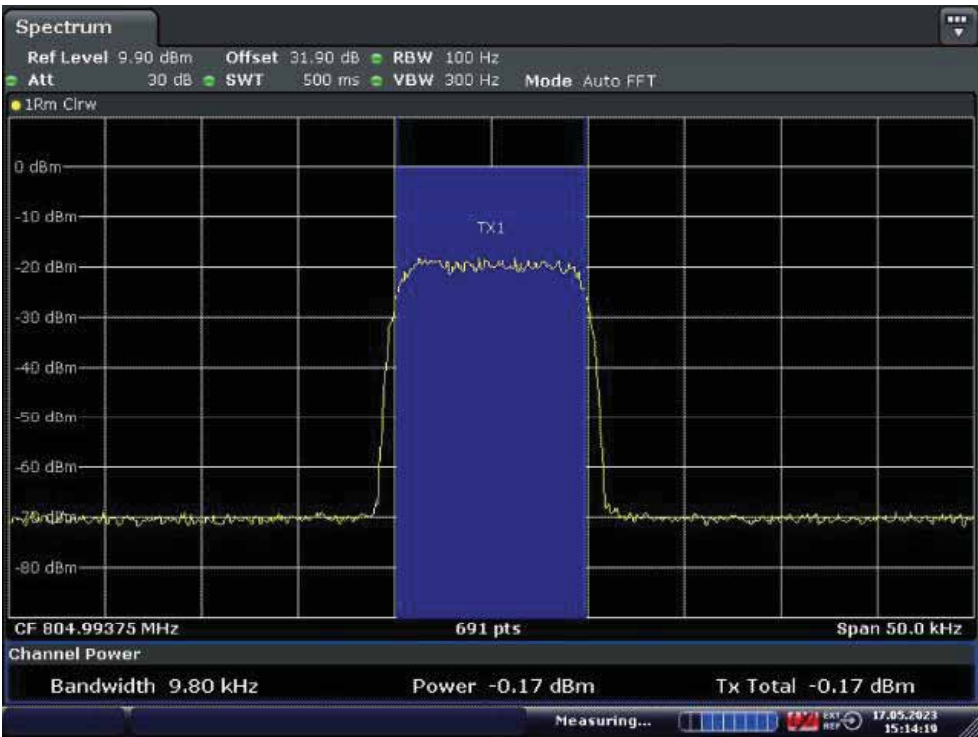
11.12.2.1.2.2. Uplink



Low Frequency: 799.00625MHz

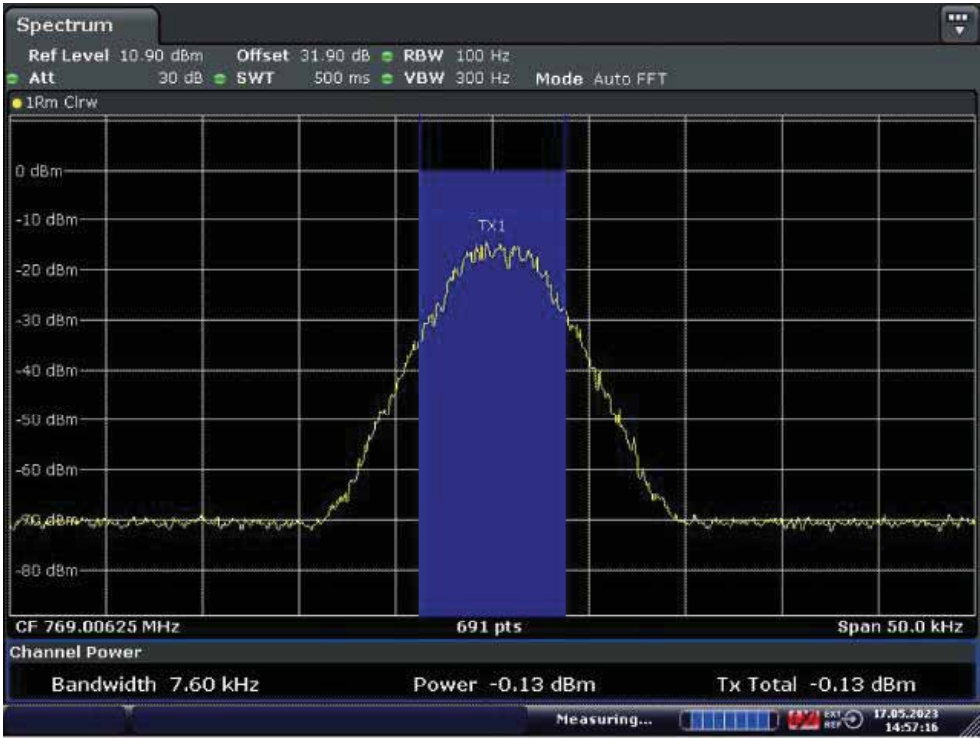


Middle Frequency: 802.0MHz

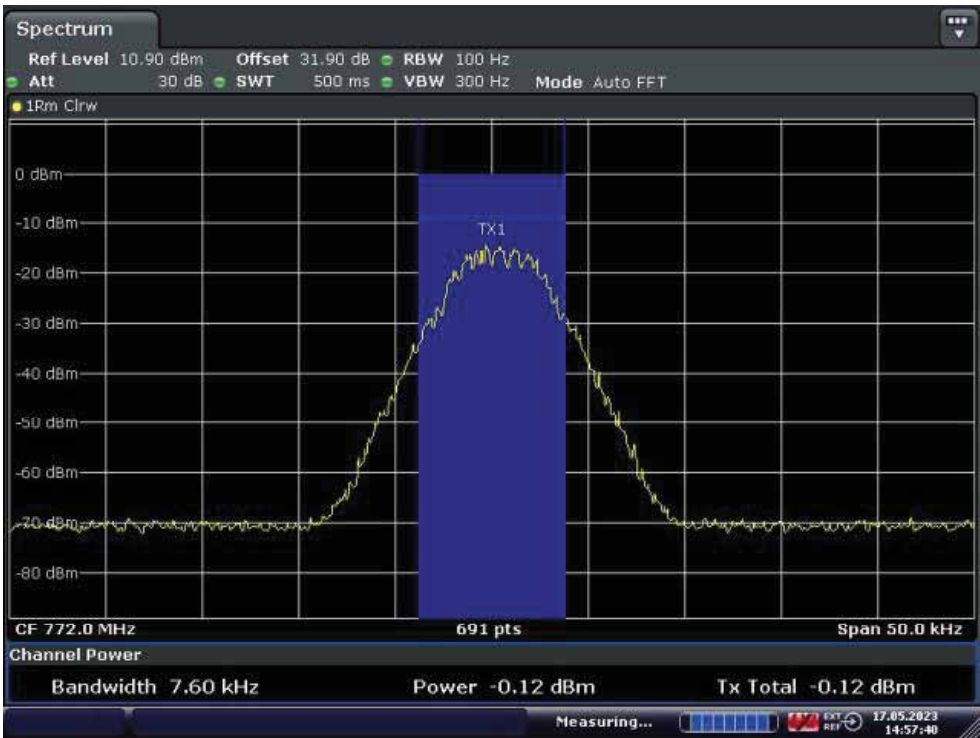


High Frequency: 804.99375MHz

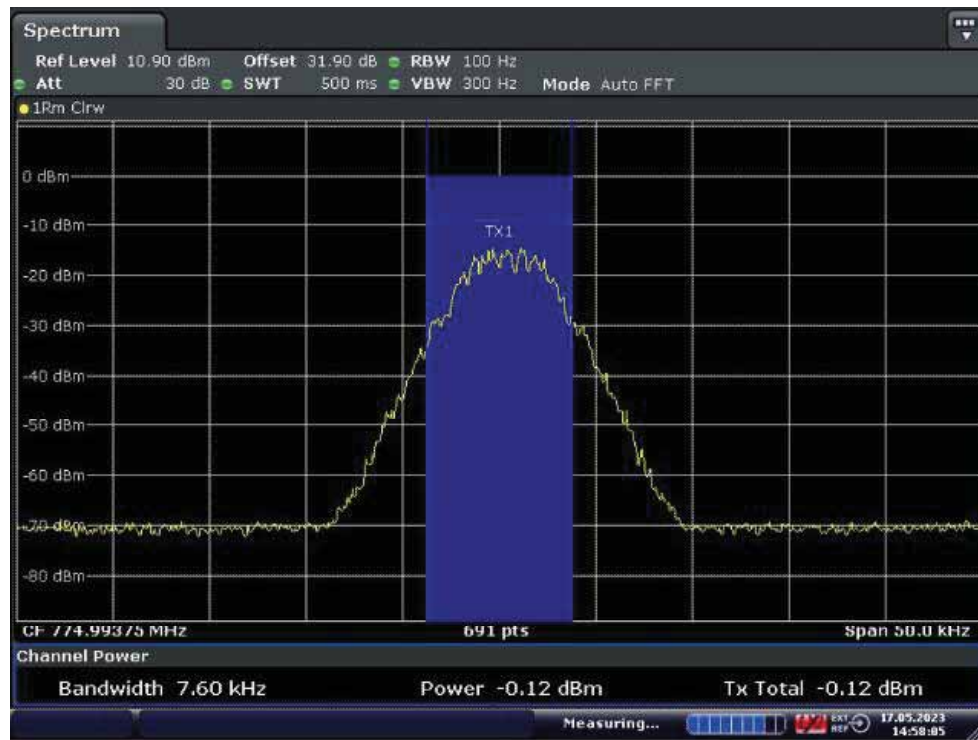
11.12.2.1.3. DMR
11.12.2.1.3.1. Downlink



Low Frequency: 769.00625MHz

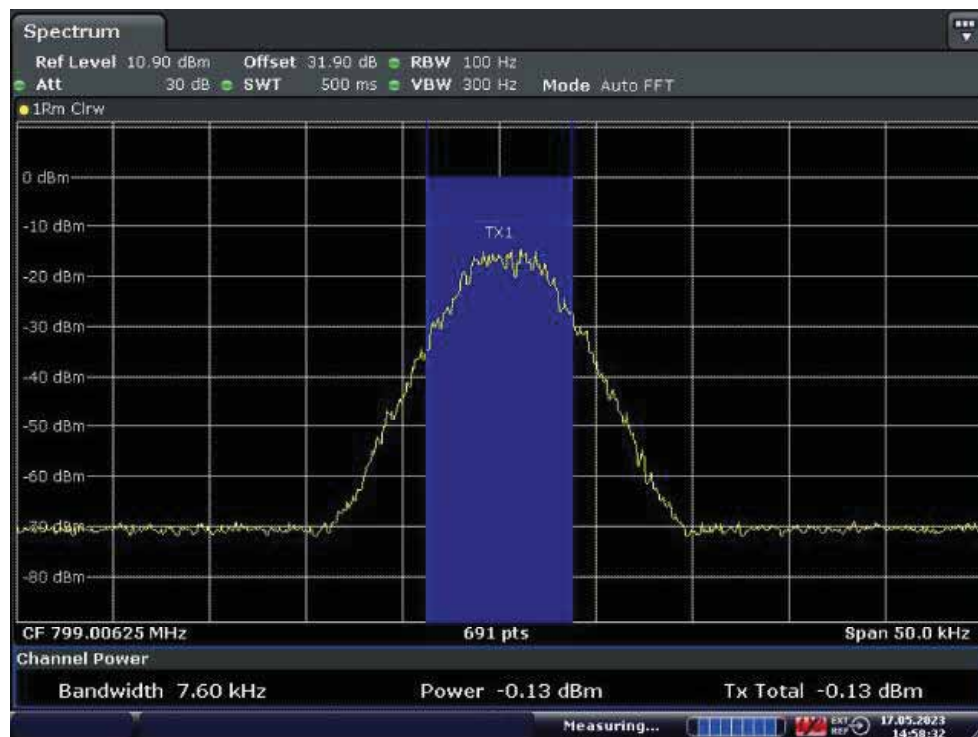


Middle Frequency: 772.0MHz

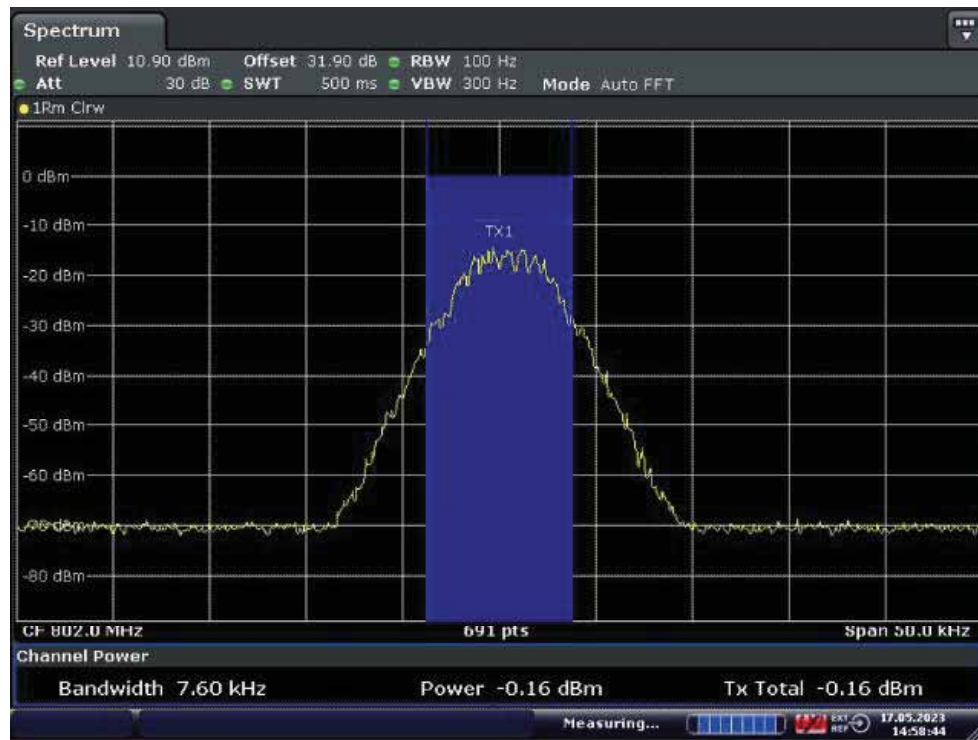


High Frequency: 774.99375MHz

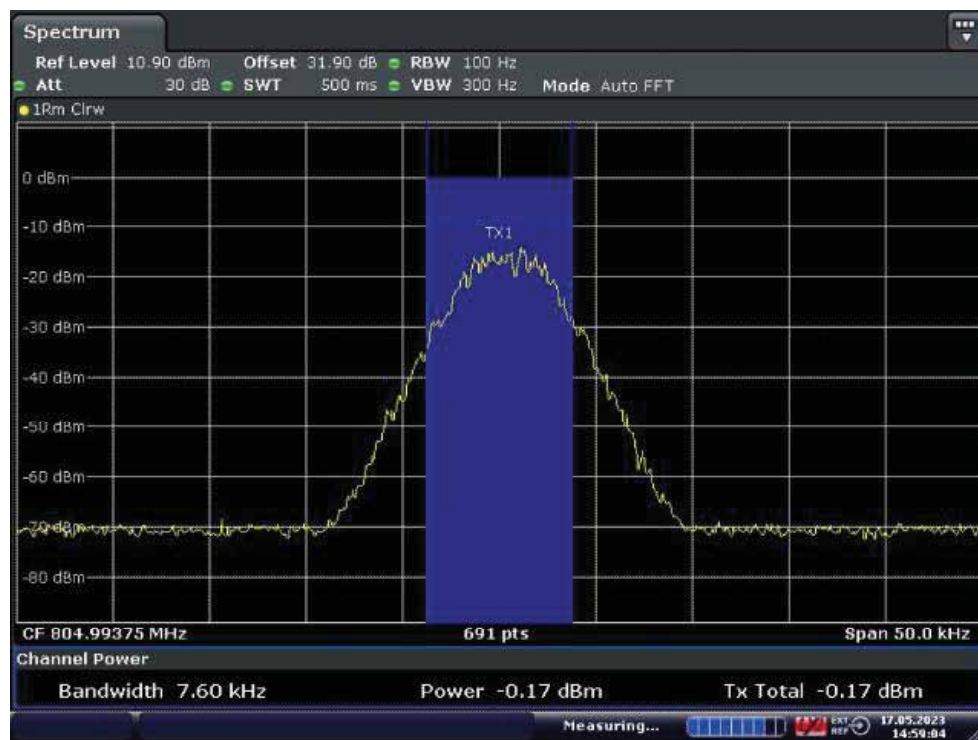
11.12.2.1.3.2. Uplink



Low Frequency: 799.00625MHz



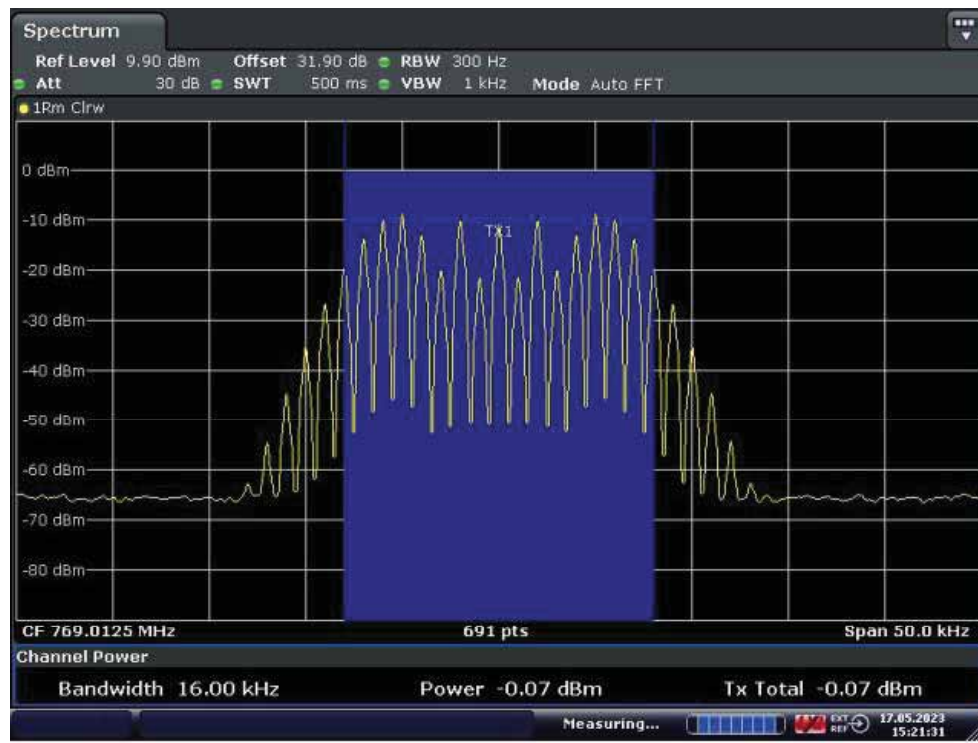
Middle Frequency: 802.0MHz



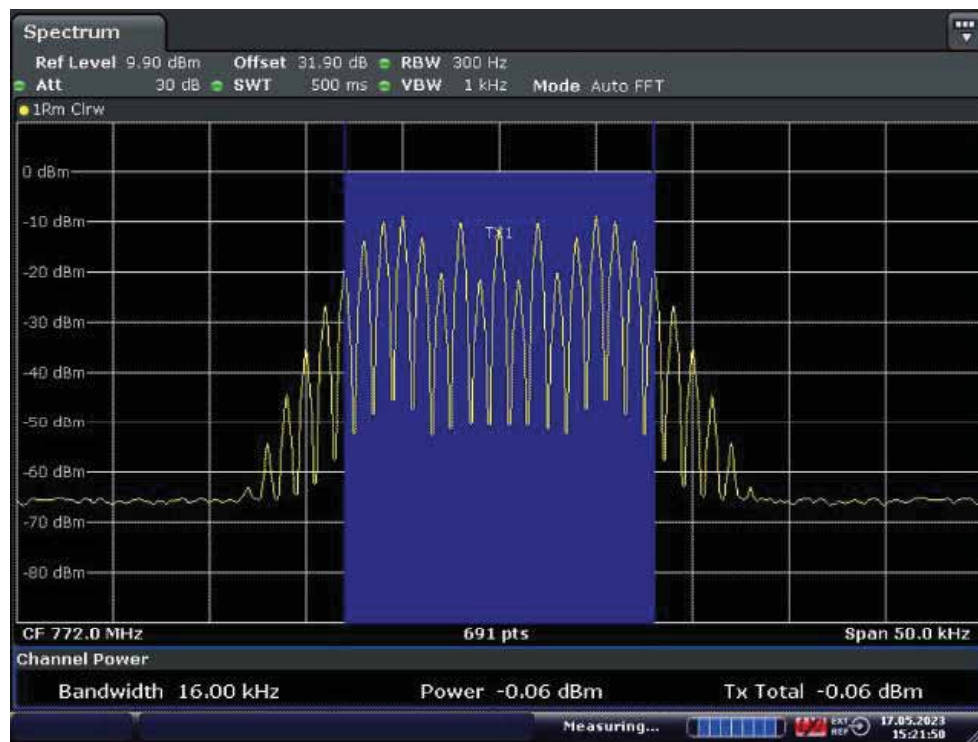
High Frequency: 804.99375MHz

11.12.2.1.4. Analog FM

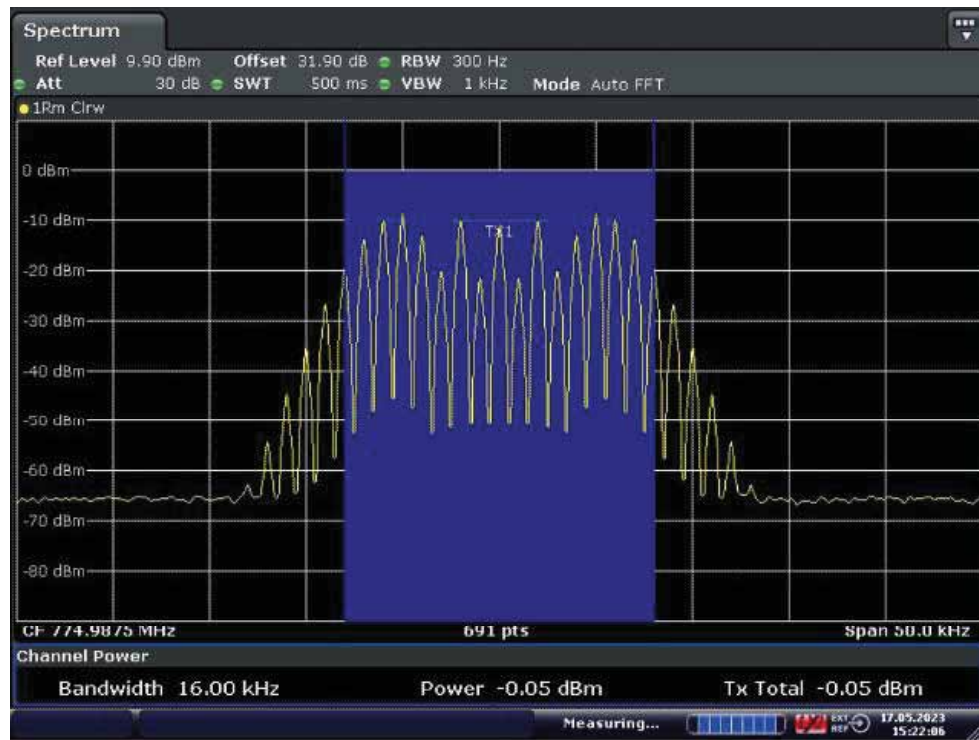
11.12.2.1.4.1. Downlink



Low Frequency: 769.0125MHz

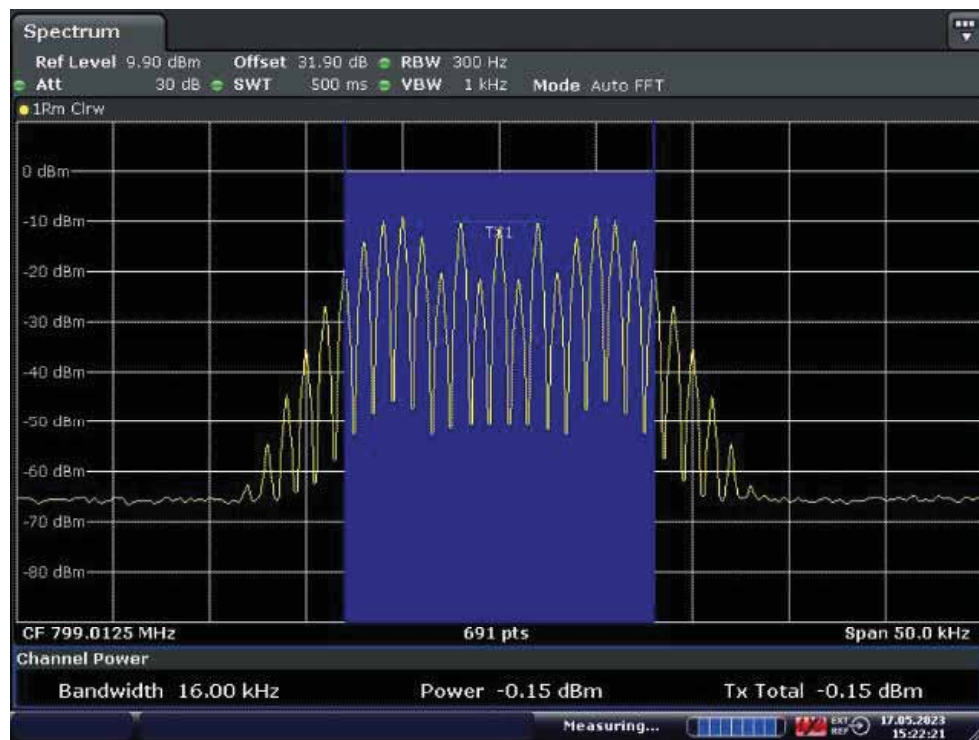


Middle Frequency: 772.0MHz

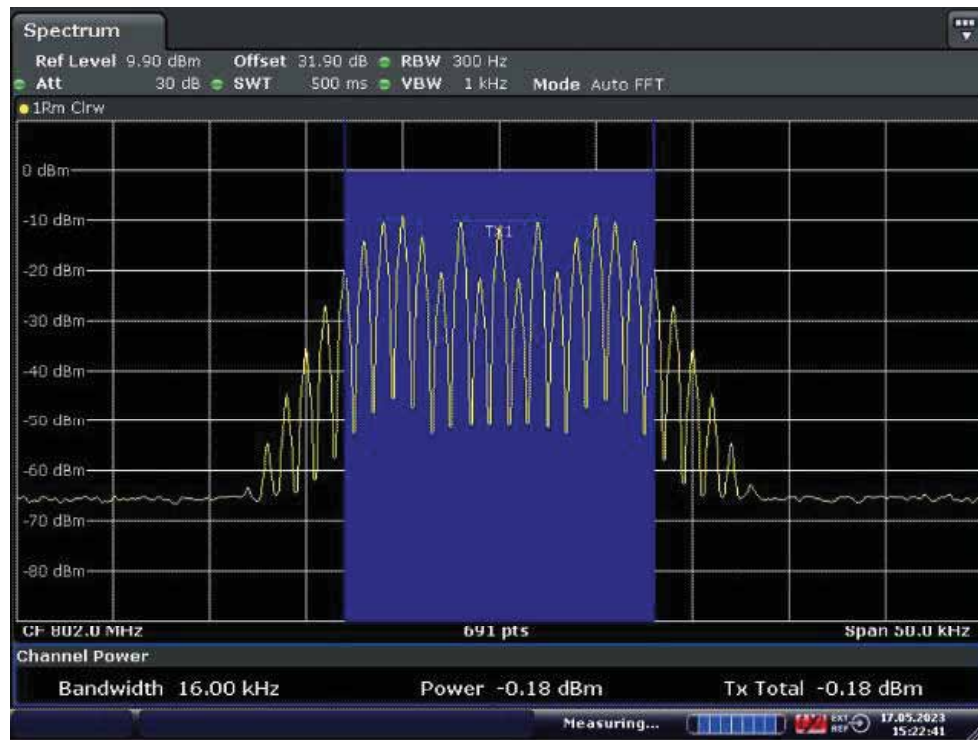


High Frequency: 774.9875MHz

11.12.2.1.4.2. Uplink

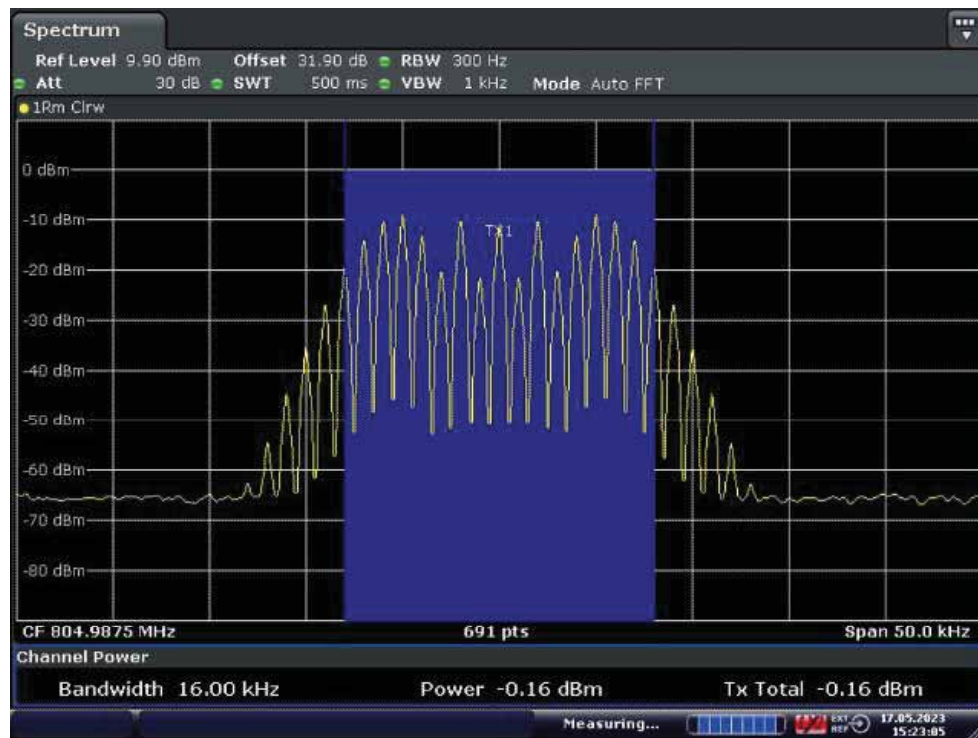


Low Frequency: 799.0125MHz



Date: 17.MAY.2023 15:22:41

Middle Frequency: 802.0MHz

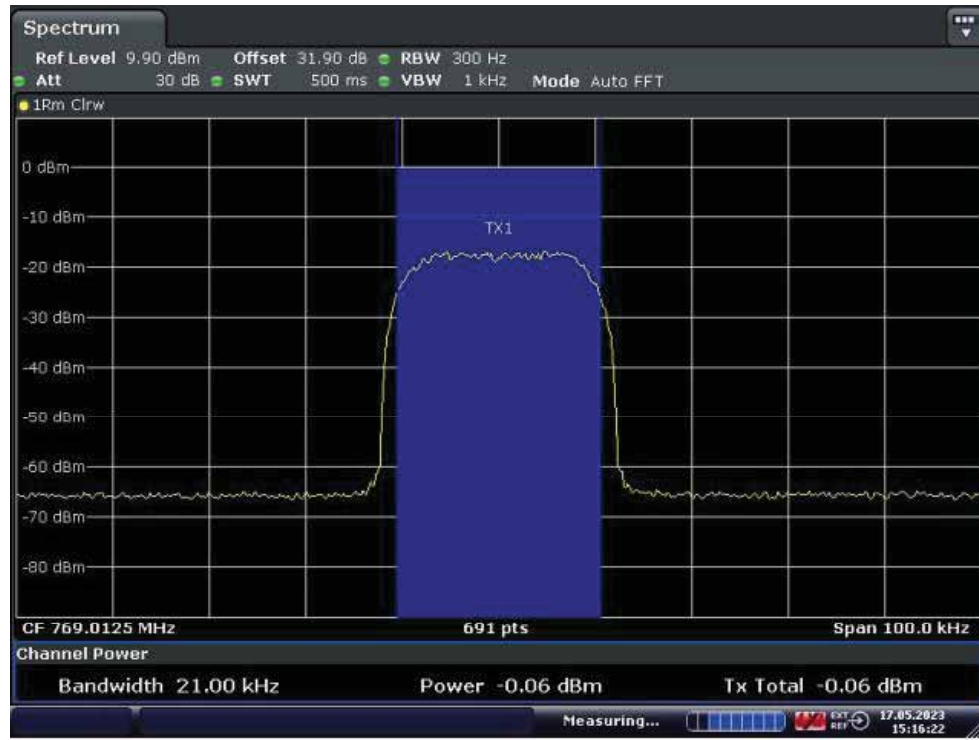


Date: 17.MAY.2023 15:23:05

High Frequency: 804.9875MHz

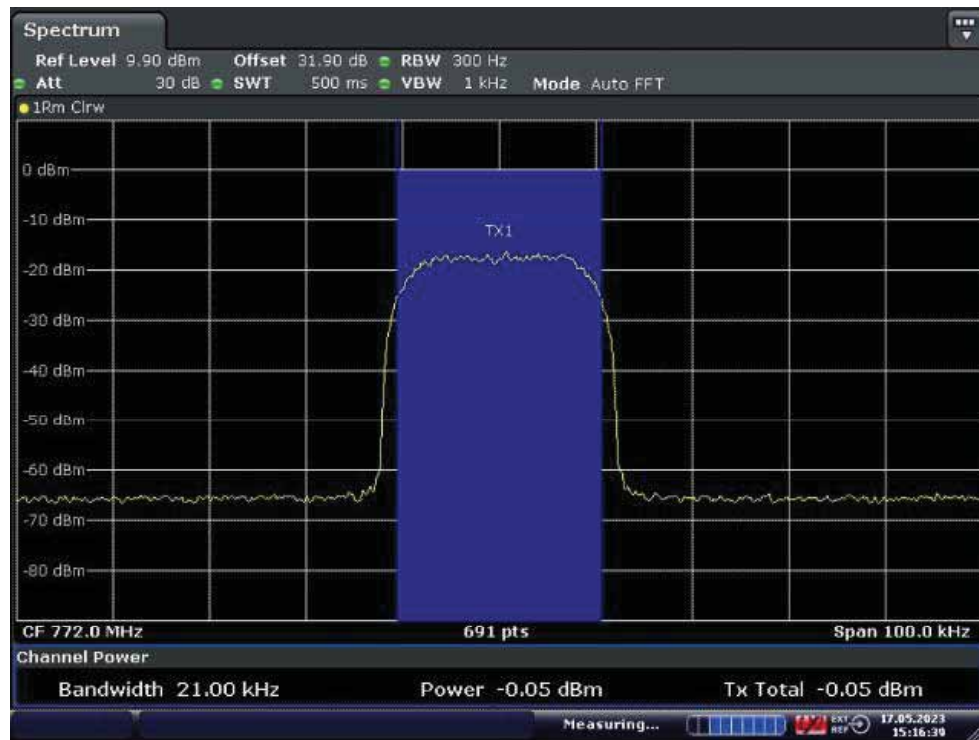
11.12.2.1.5. Tetra

11.12.2.1.5.1. Downlink



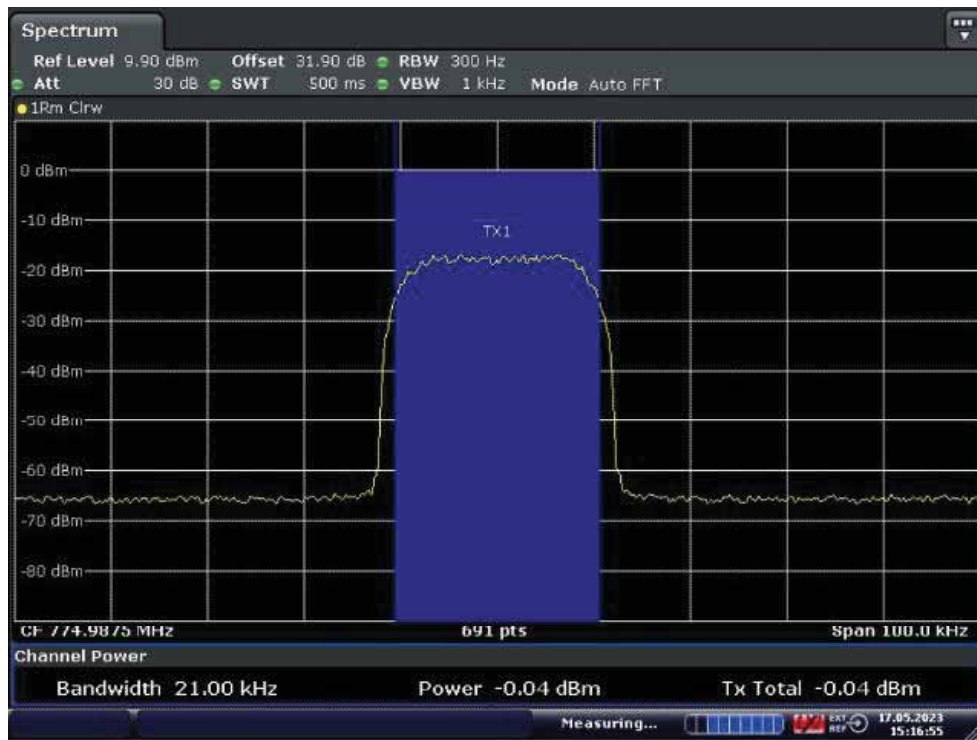
Date: 17.MAY.2023 15:16:23

Low Frequency: 769.0125MHz



Date: 17.MAY.2023 15:16:39

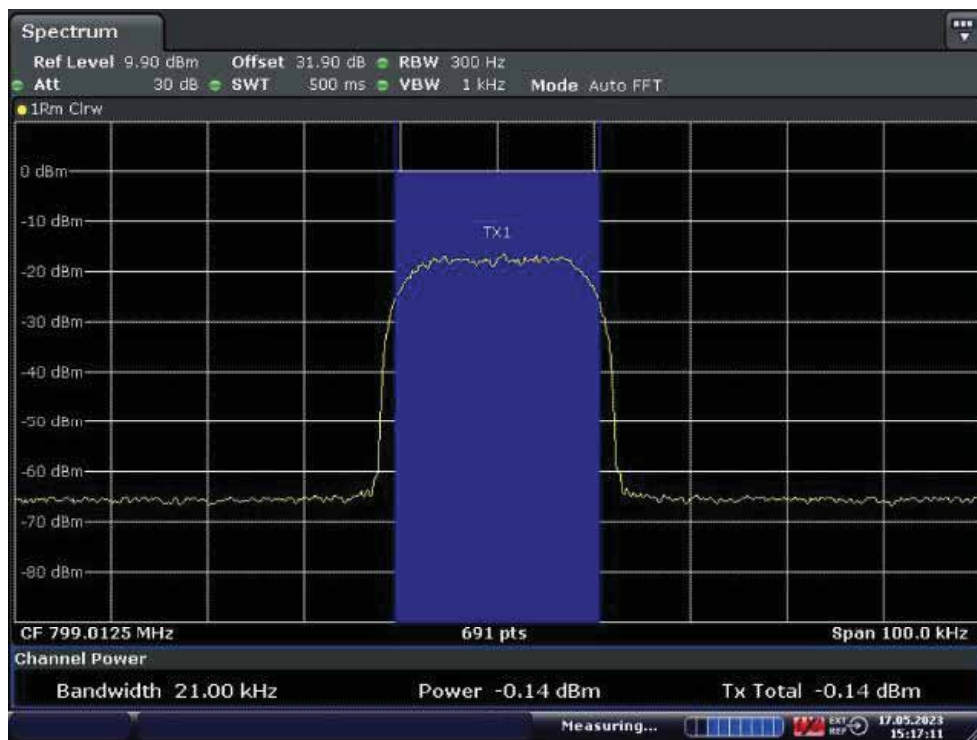
Middle Frequency: 772.0MHz



Date: 17.MAY.2023 15:16:55

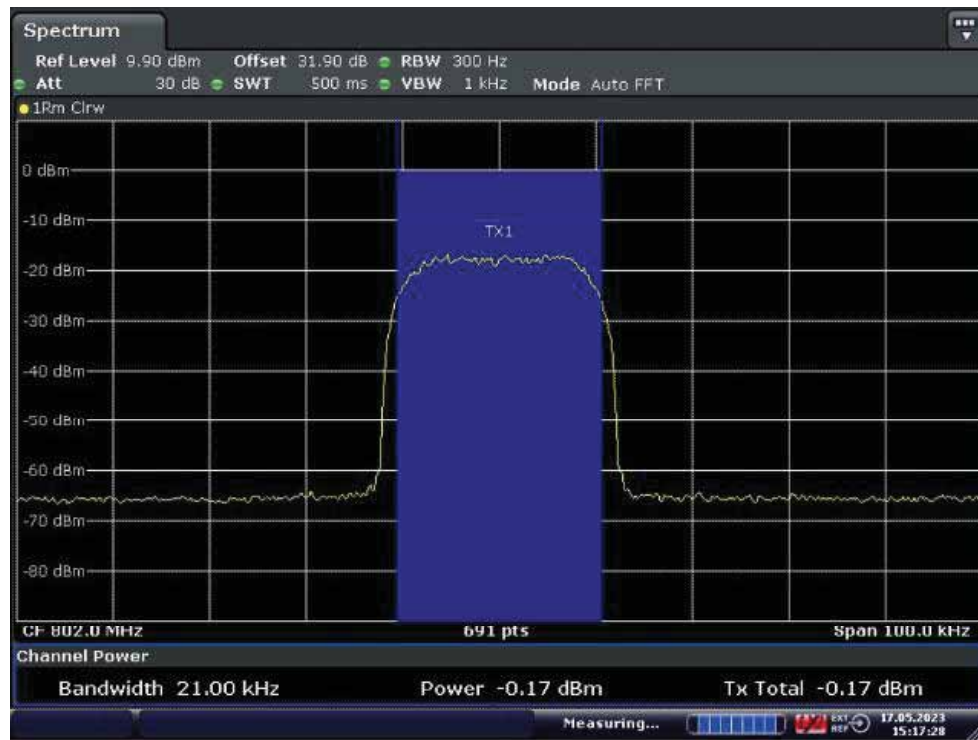
High Frequency: 774.9875MHz

11.12.2.1.5.2. Uplink



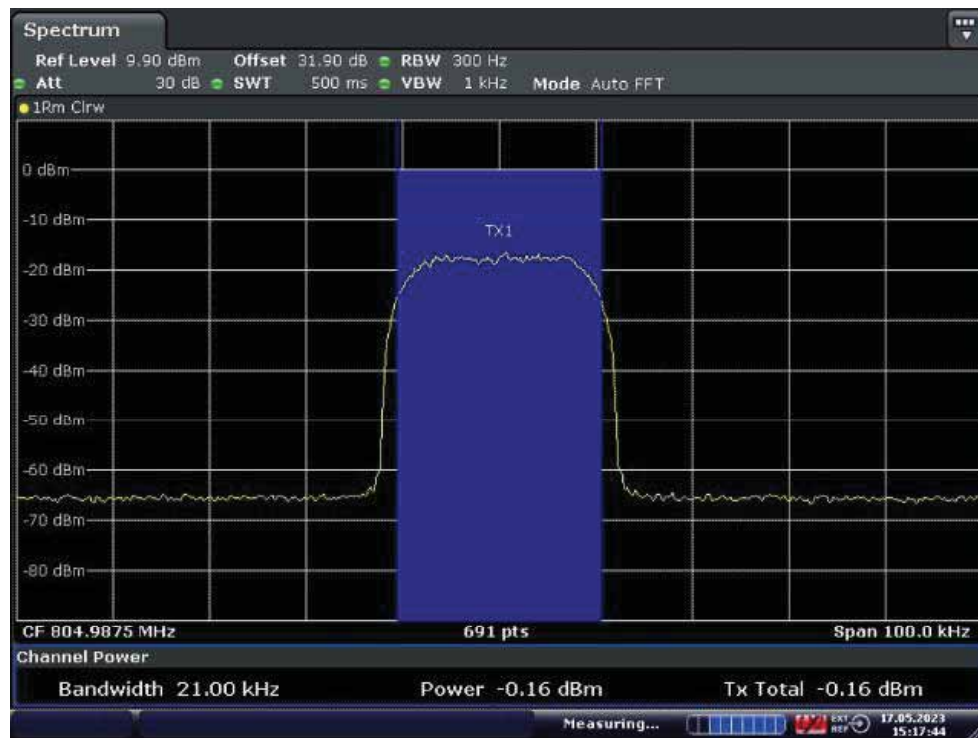
Date: 17.MAY.2023 15:17:11

Low Frequency: 799.0125MHz



Date: 17.MAY.2023 15:17:29

Middle Frequency: 802.0MHz



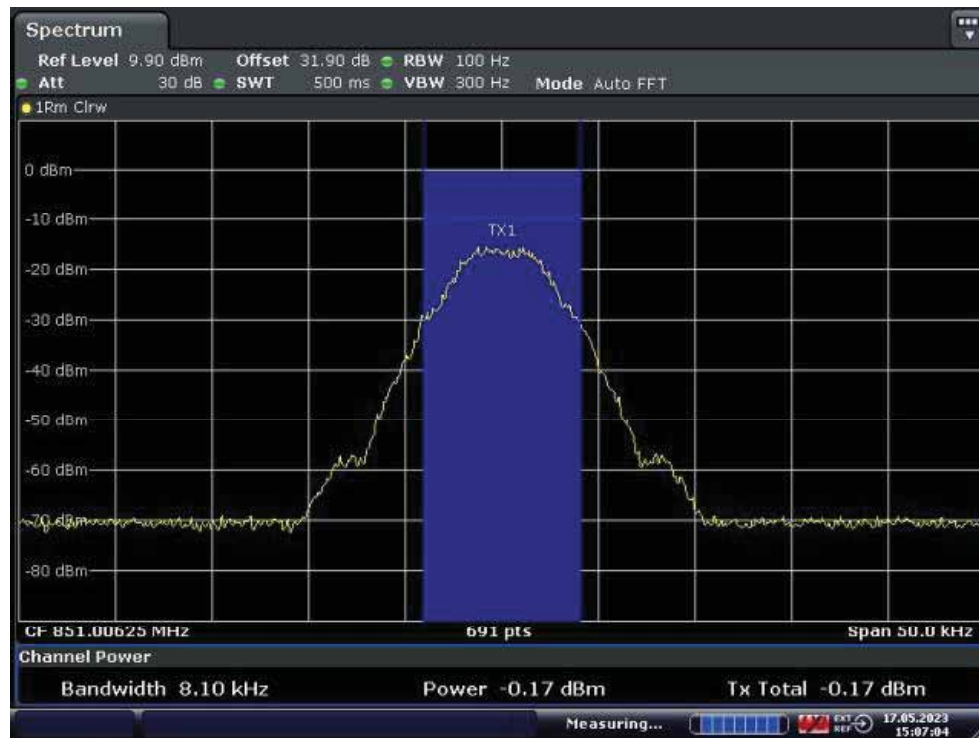
Date: 17.MAY.2023 15:17:44

High Frequency: 804.9875MHz

11.12.2.2. 800MHz Band

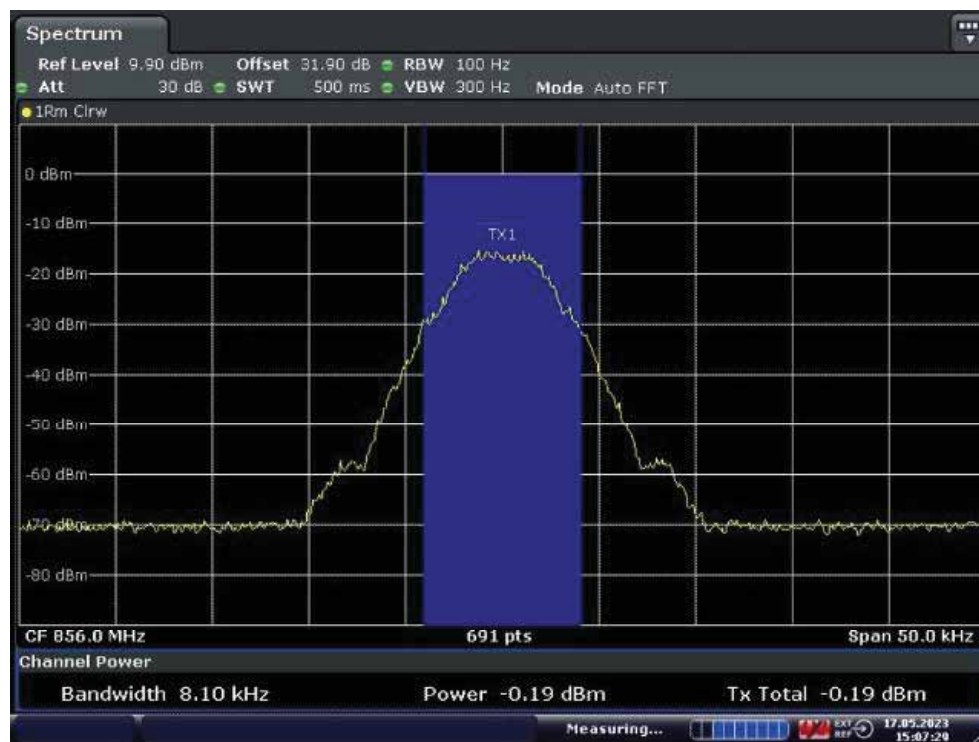
11.12.2.2.1. P25 phase I (C4FM)

11.12.2.2.1.1. Downlink



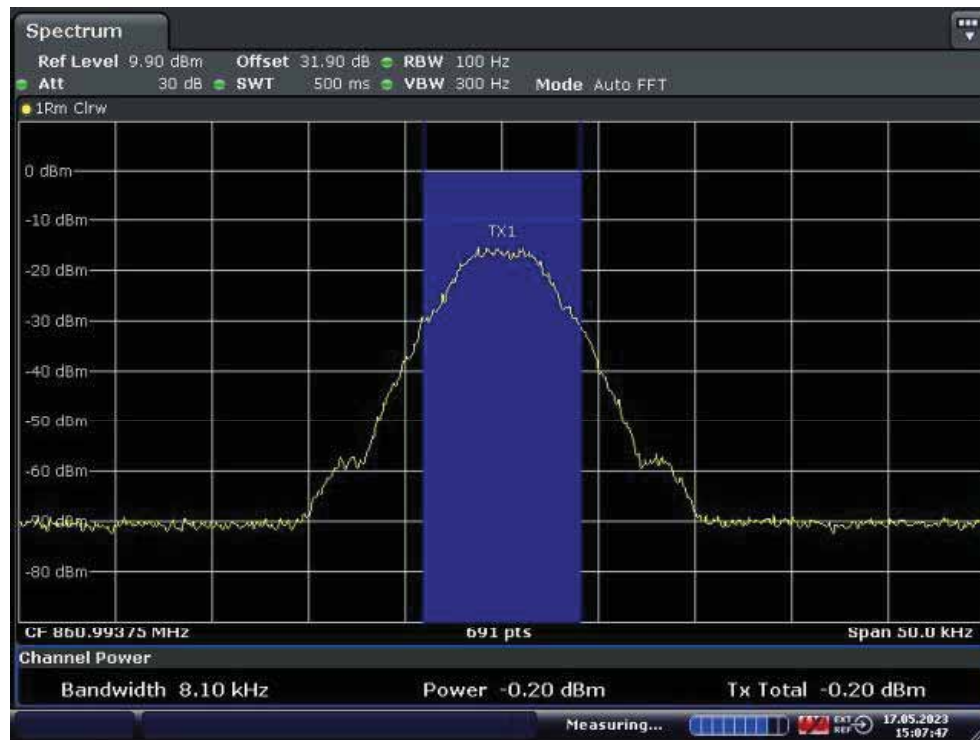
Date: 17.MAY.2023 15:07:04

Low Frequency: 851.00625MHz



Date: 17.MAY.2023 15:07:29

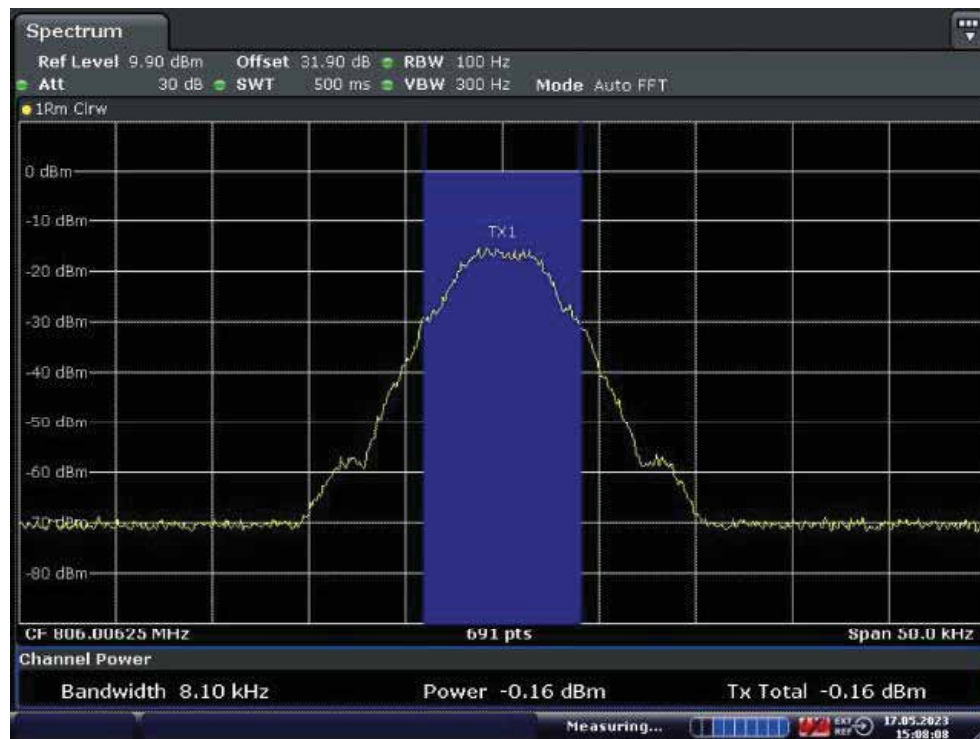
Middle Frequency: 856.0MHz



Date: 17.MAY.2023 15:07:47

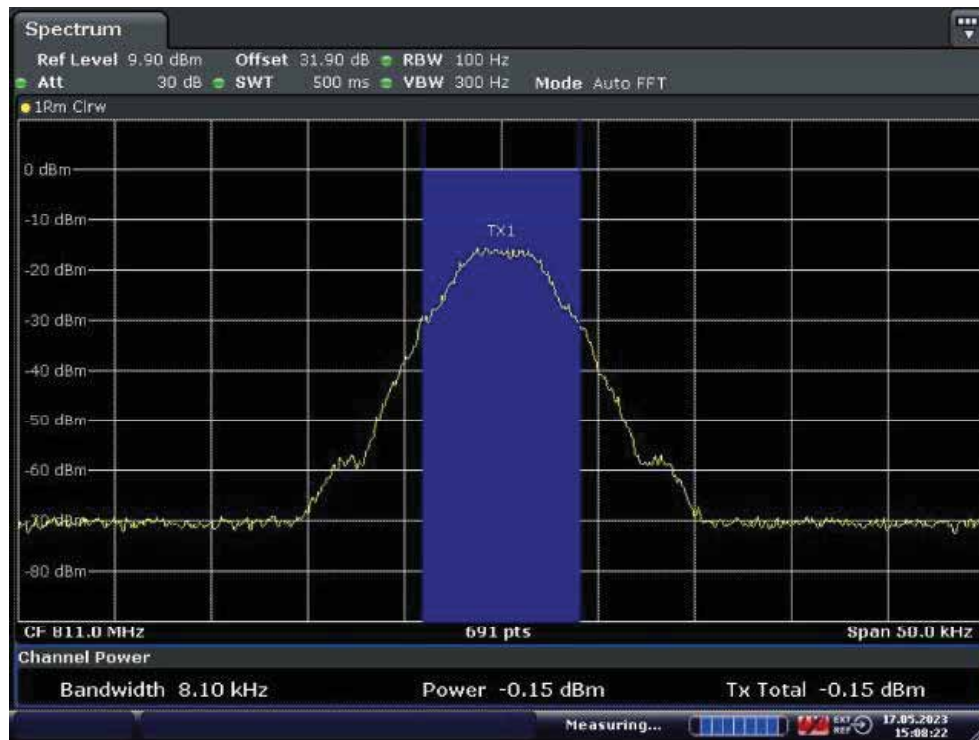
High Frequency: 860.99375MHz

11.12.2.2.1.2. Uplink



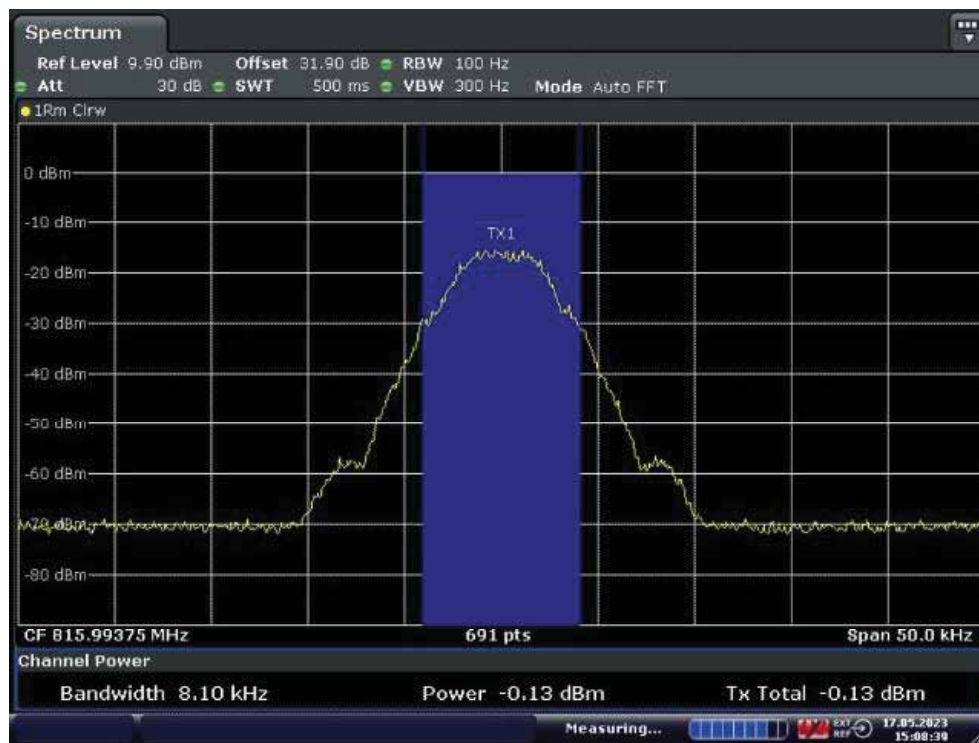
Date: 17.MAY.2023 15:08:09

Low Frequency: 806.00625MHz



Date: 17.MAY.2023 15:08:22

Middle Frequency: 811.0MHz

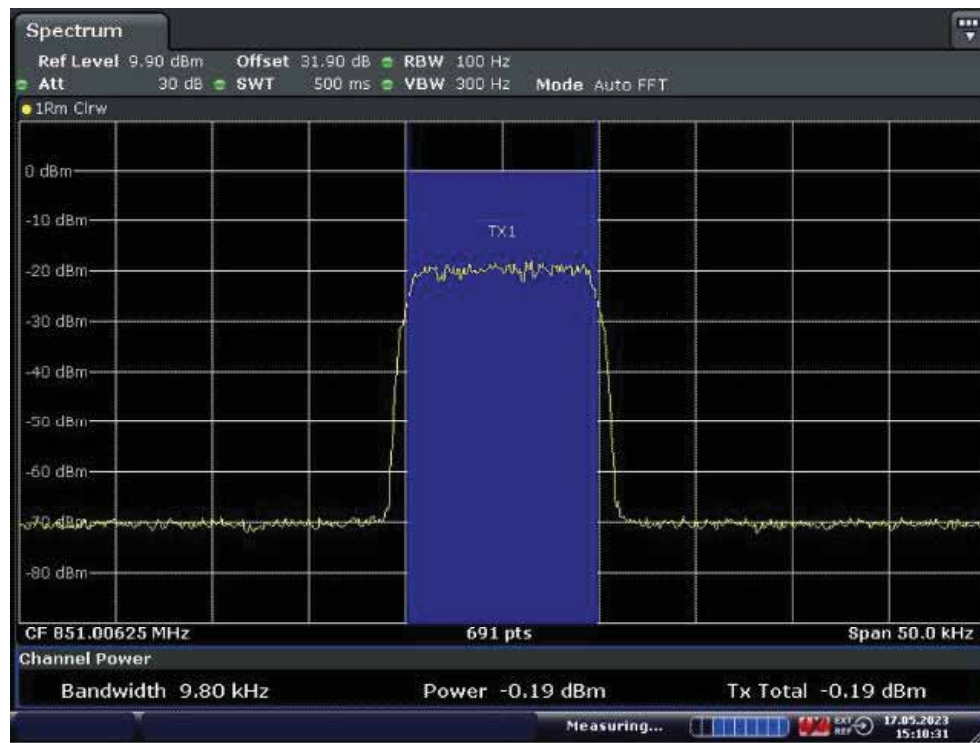


Date: 17.MAY.2023 15:08:39

High Frequency: 815.99375MHz

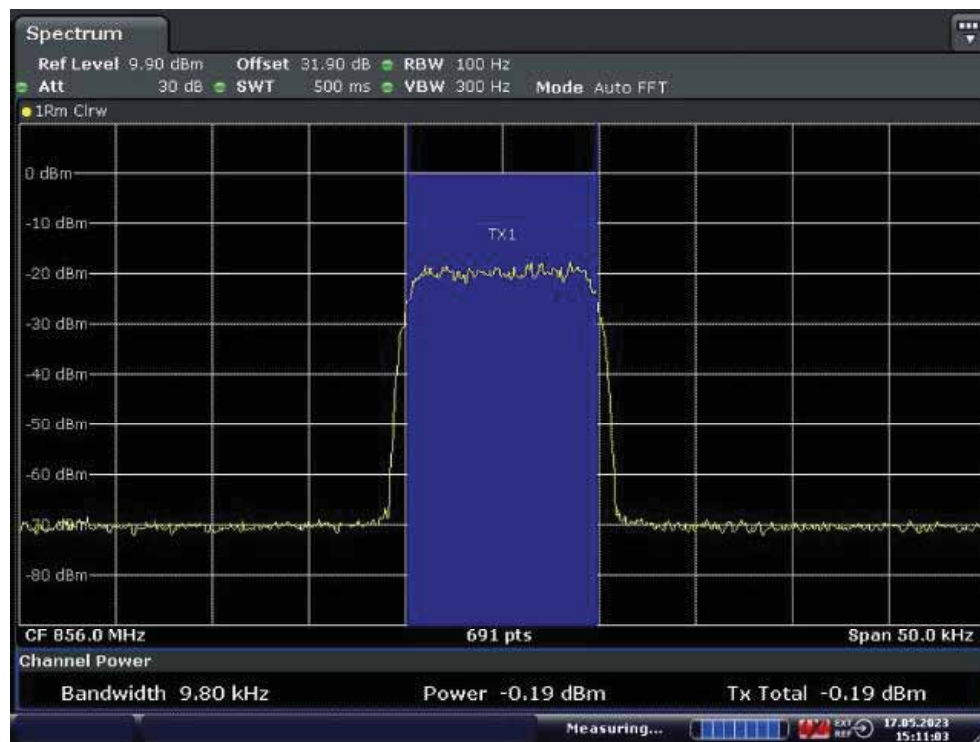
11.12.2.2.2. P25 phase II (H-DQPSK)

11.12.2.2.2.1. Downlink



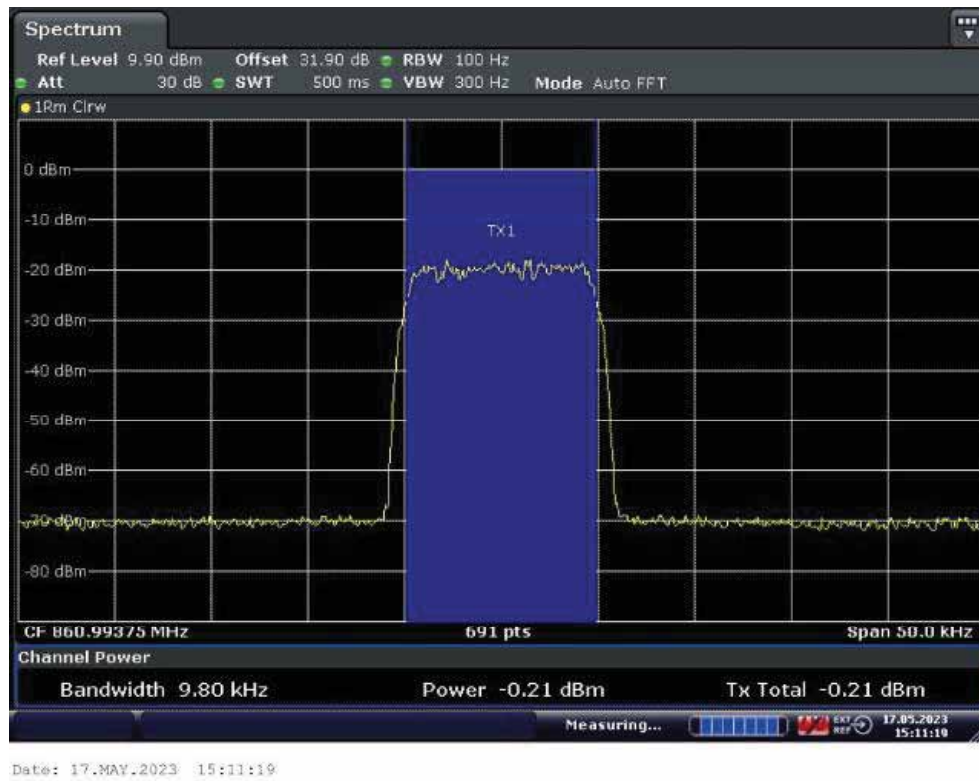
Date: 17.MAY.2023 15:10:32

Low Frequency: 851.00625MHz



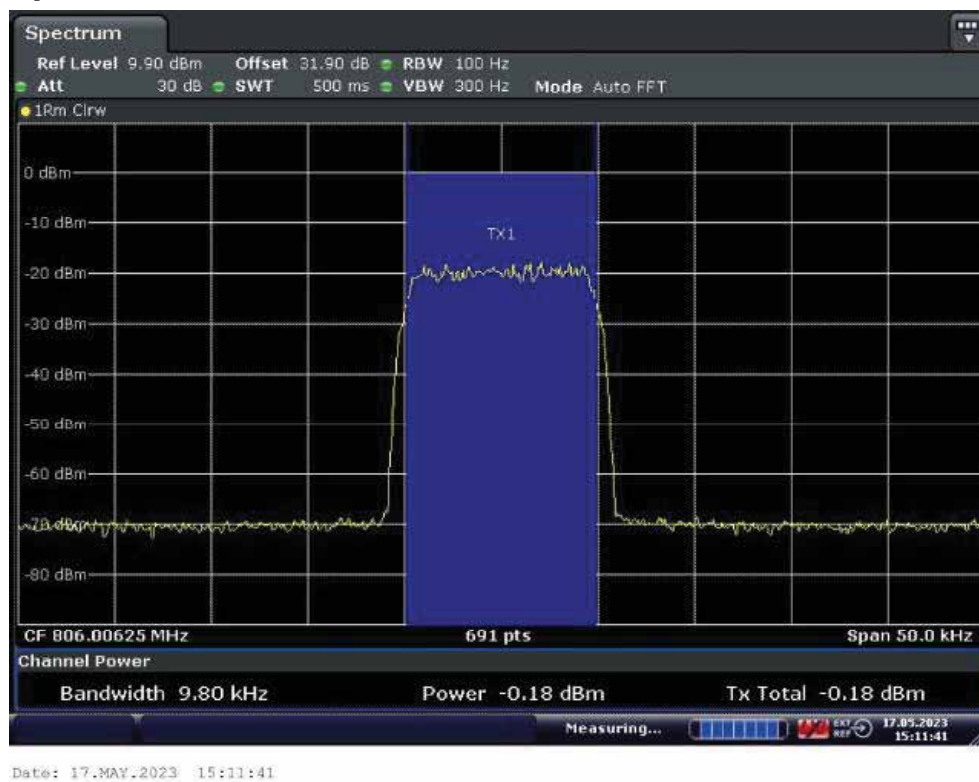
Date: 17.MAY.2023 15:11:03

Middle Frequency: 856.0MHz

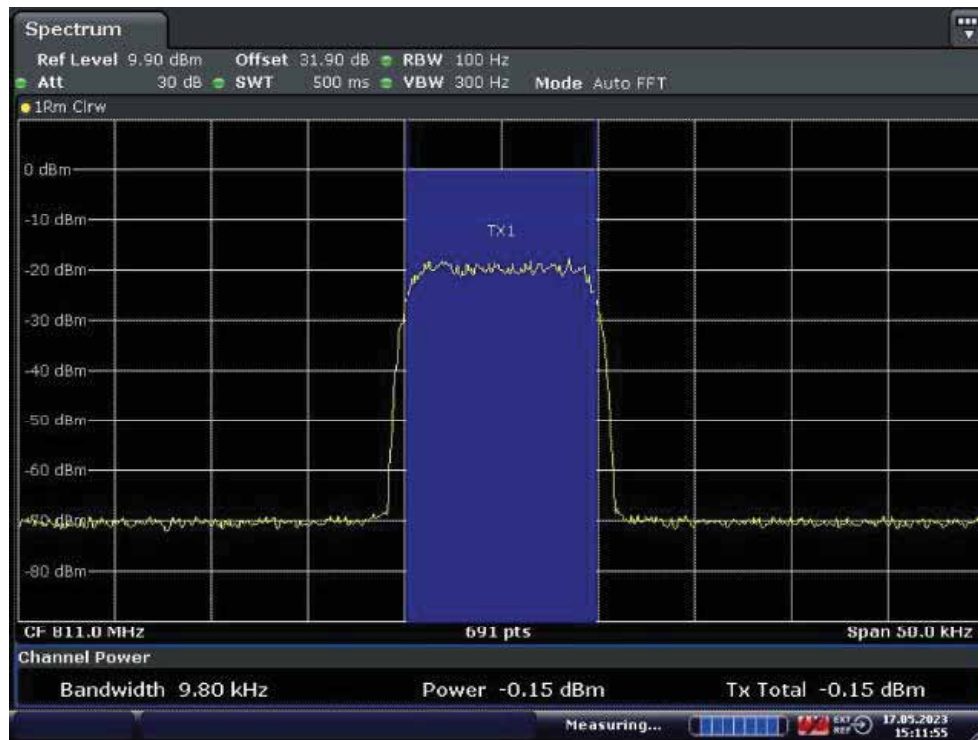


High Frequency: 860.99375MHz

11.12.2.2.2. Uplink

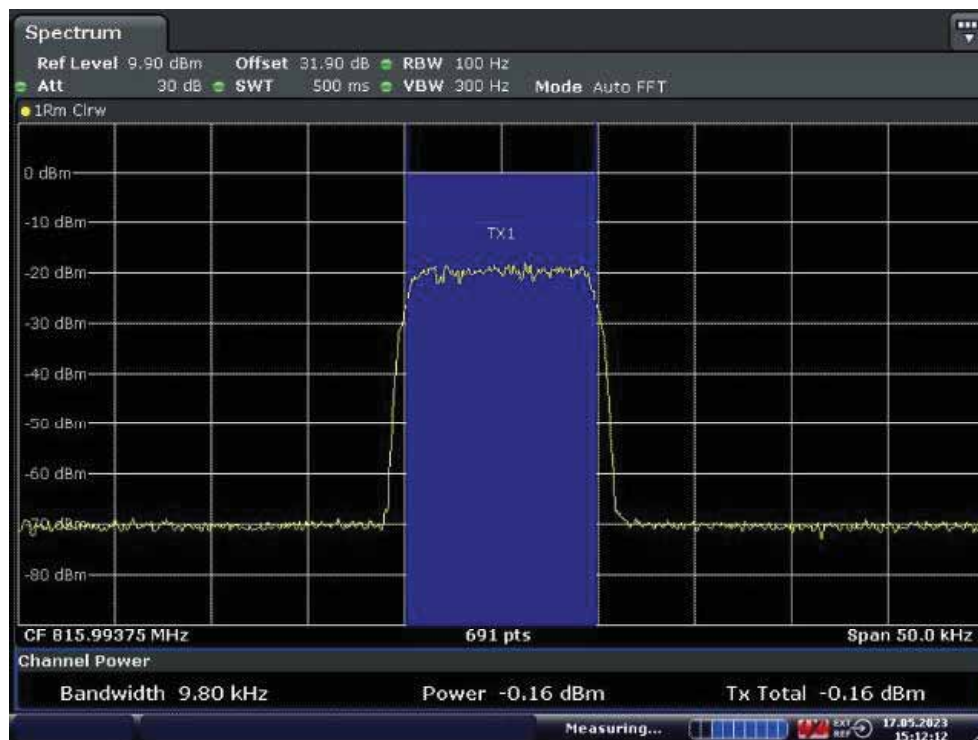


Low Frequency: 806.00625MHz



Date: 17.MAY.2023 15:11:55

Middle Frequency: 811.0MHz

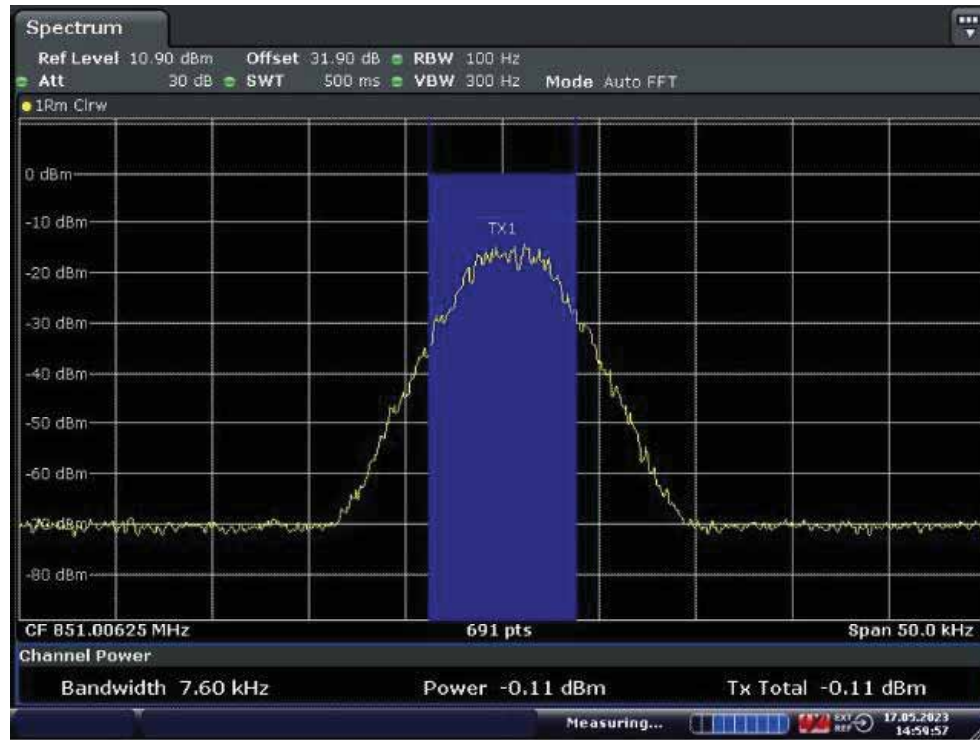


Date: 17.MAY.2023 15:12:12

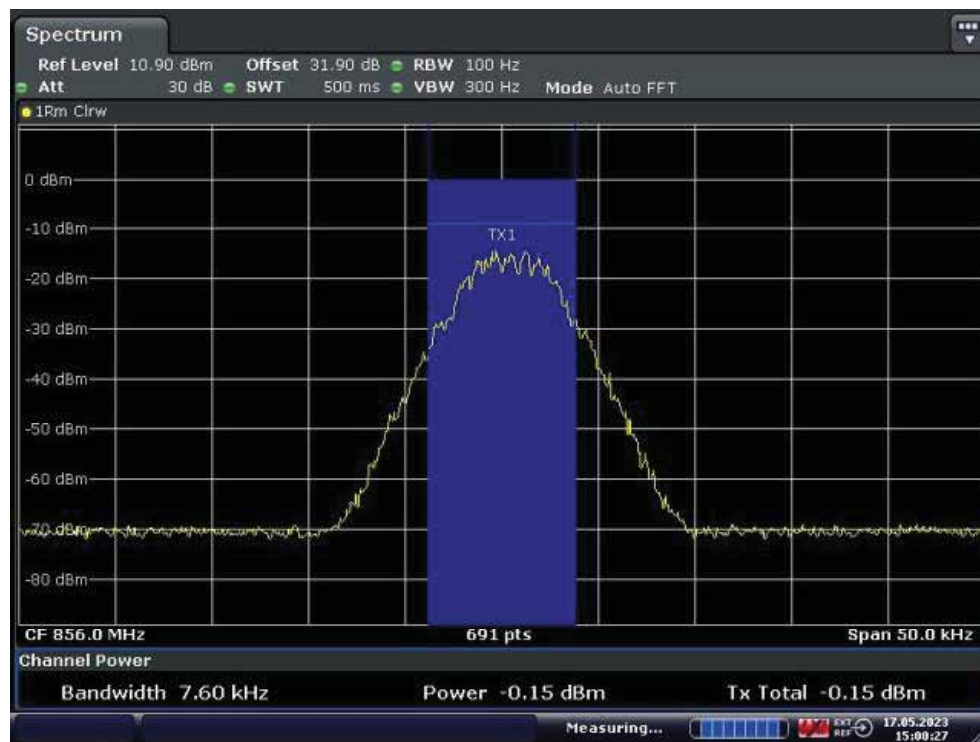
High Frequency: 815.99375MHz

11.12.2.2.3. DMR

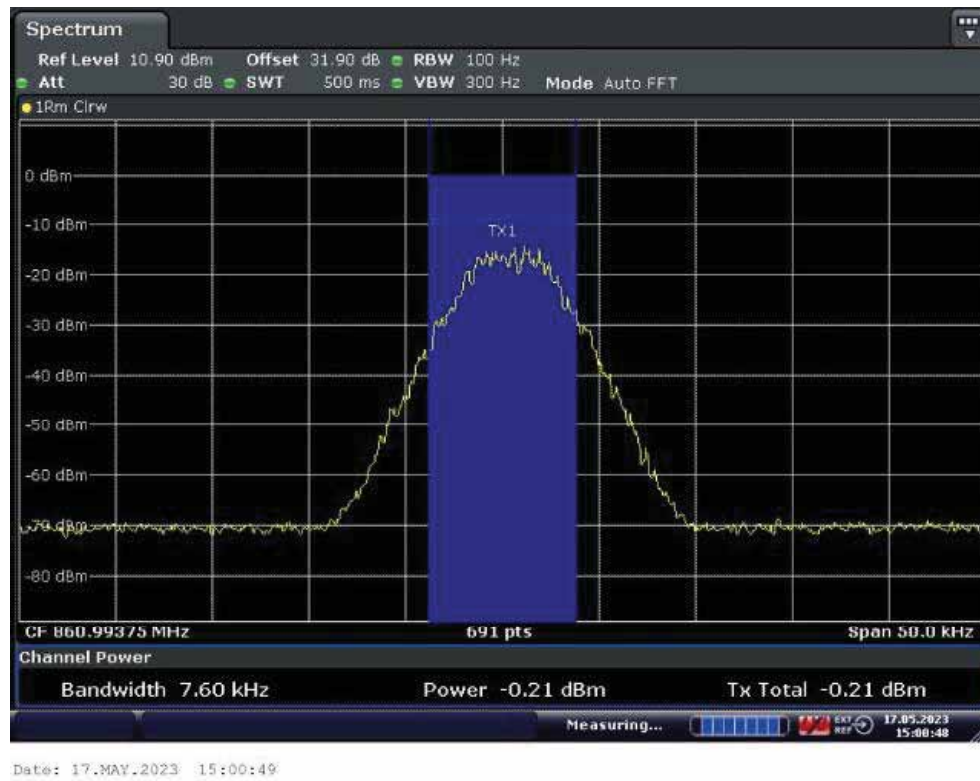
11.12.2.2.3.1. Downlink



Low Frequency: 851.00625MHz

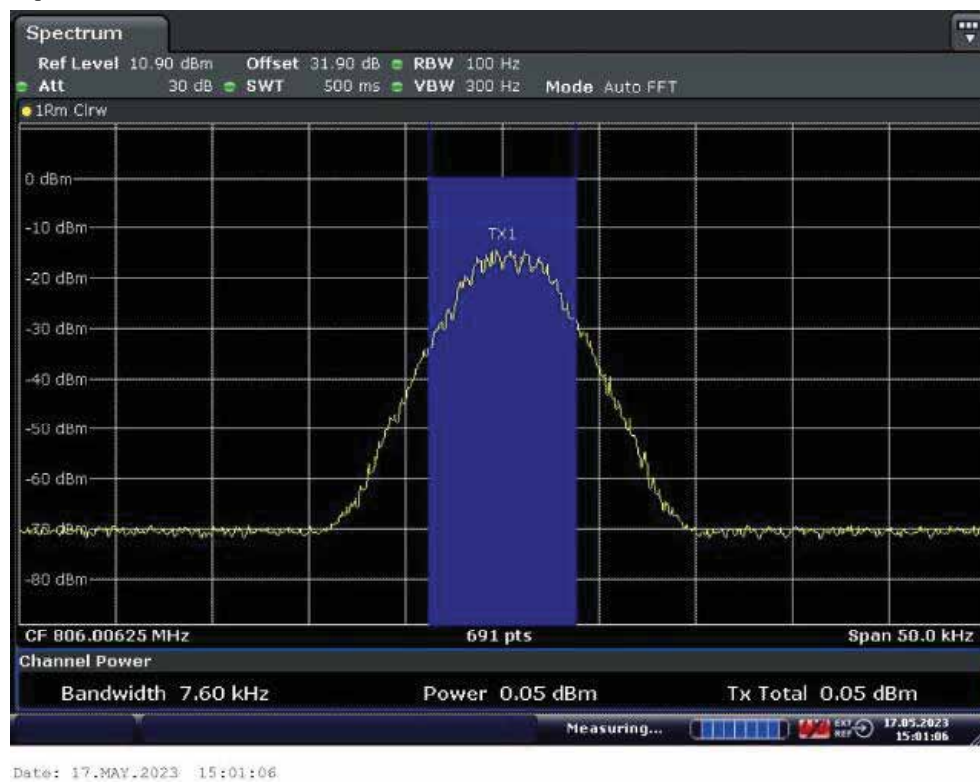


Middle Frequency: 856.0MHz

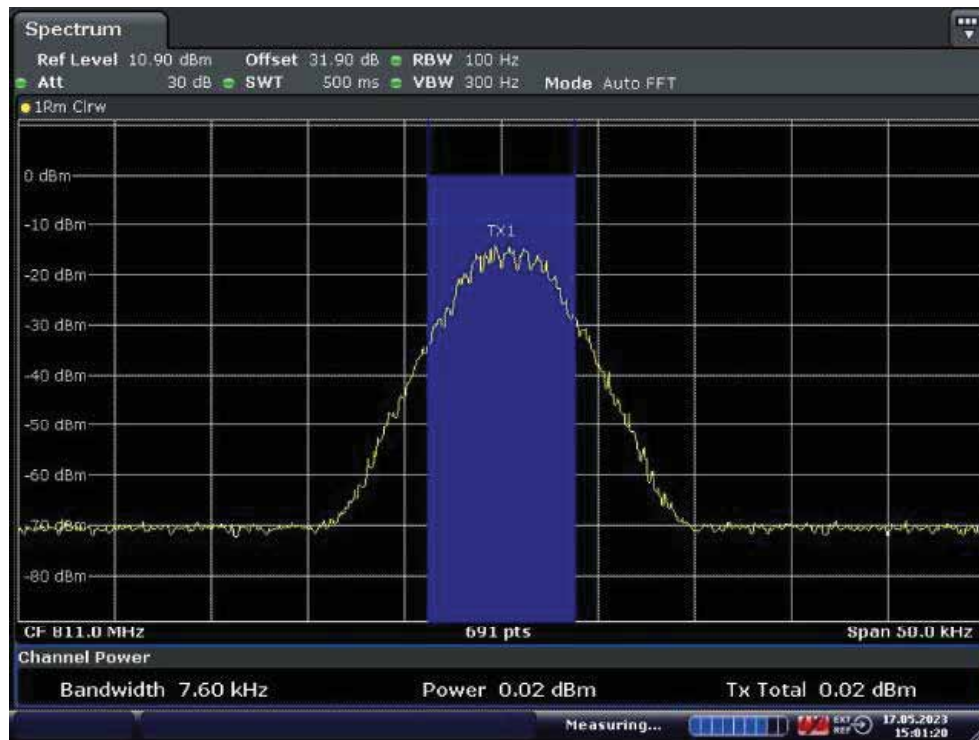


High Frequency: 860.99375MHz

11.12.2.2.3.2. Uplink

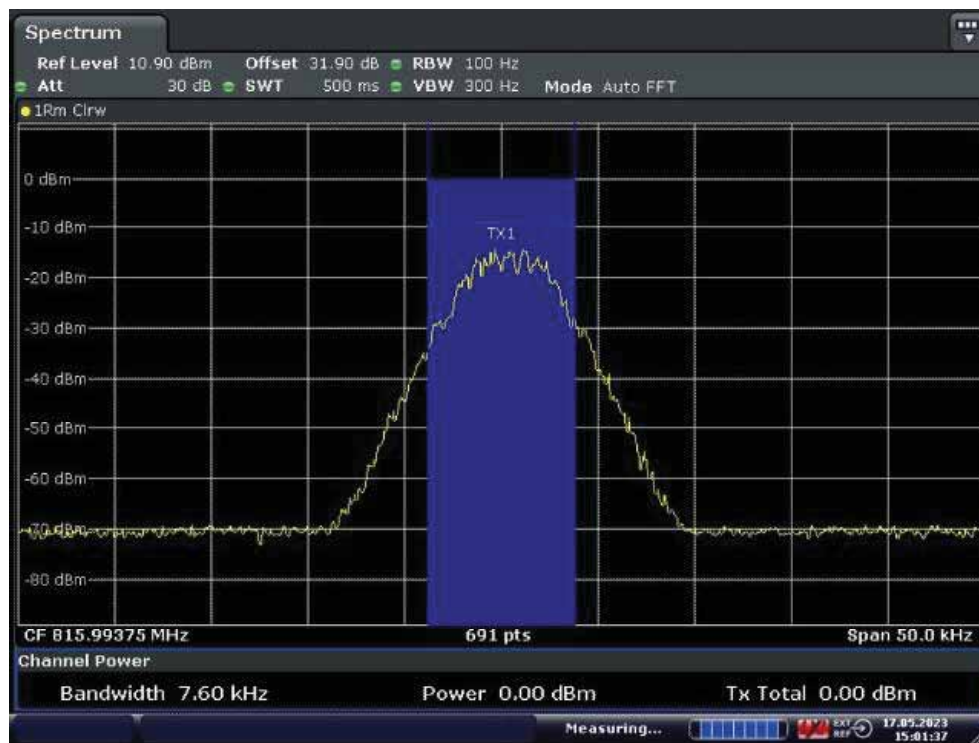


Low Frequency: 806.00625MHz



Date: 17.MAY.2023 15:01:20

Middle Frequency: 811.0MHz

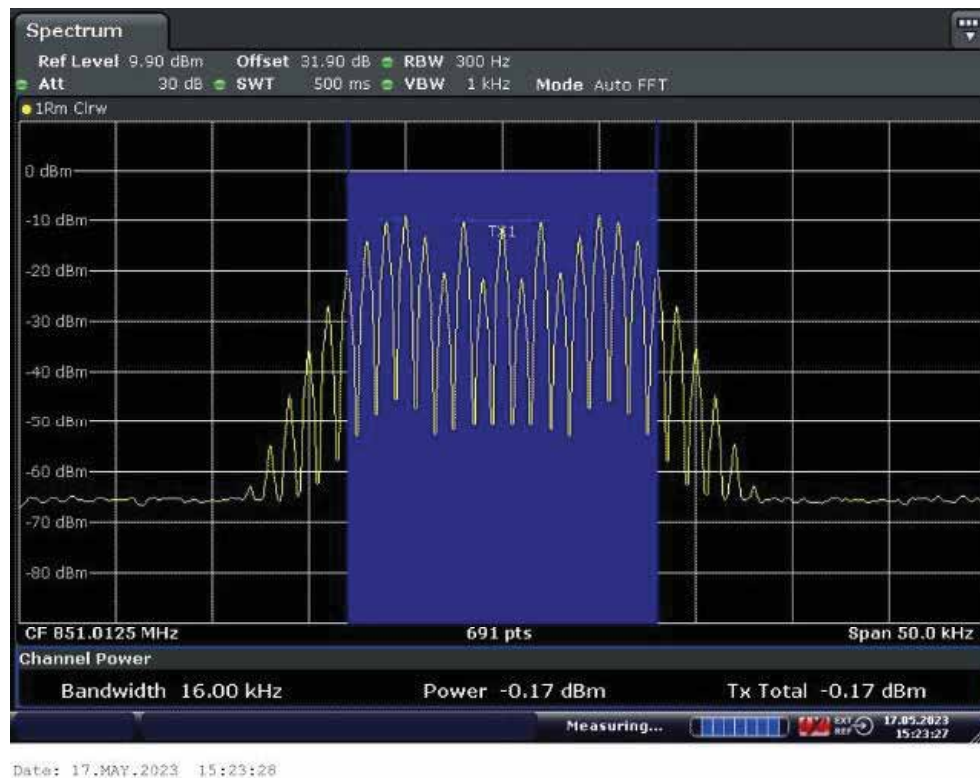


Date: 17.MAY.2023 15:01:37

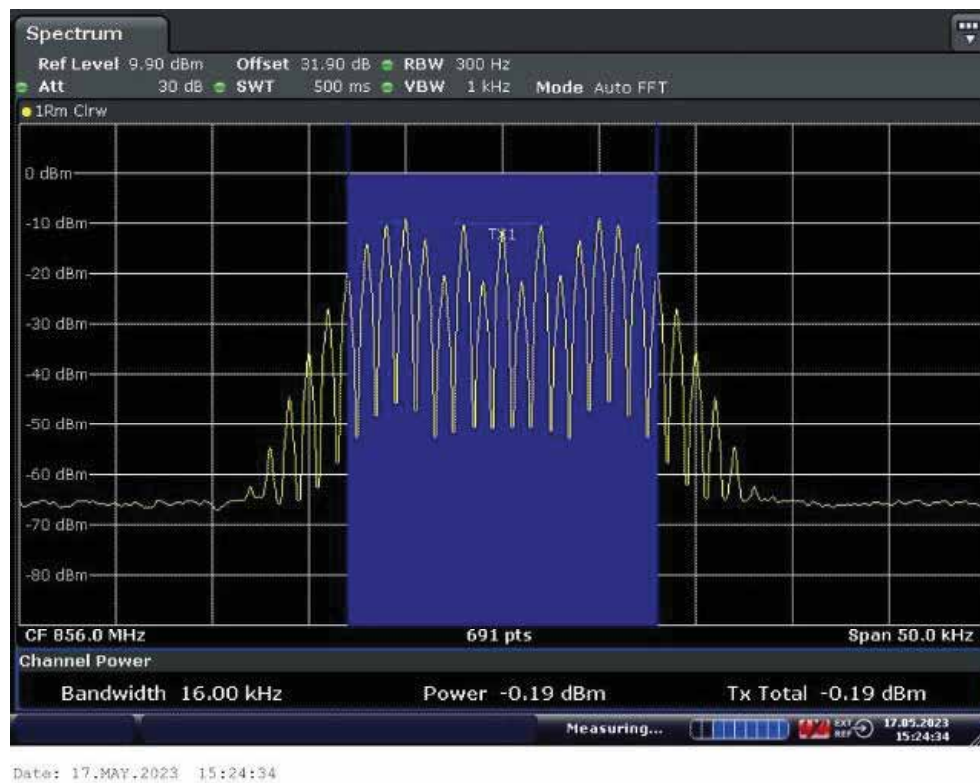
High Frequency: 815.99375MHz

11.12.2.2.4. Analog FM

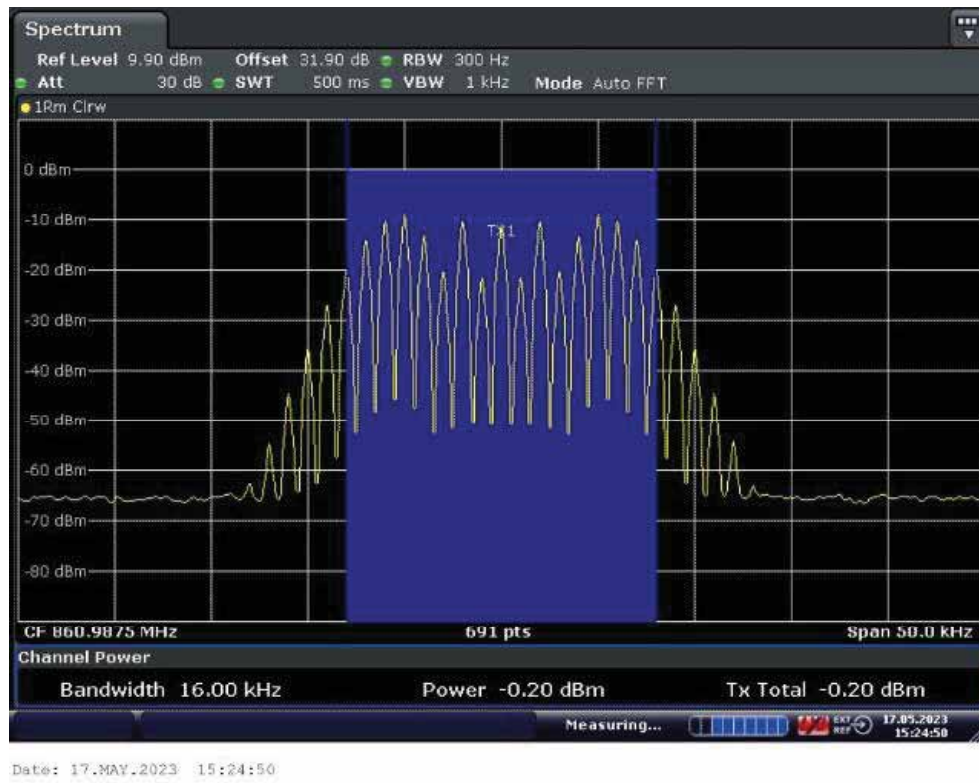
11.12.2.2.4.1. Downlink



Low Frequency: 851.0125MHz

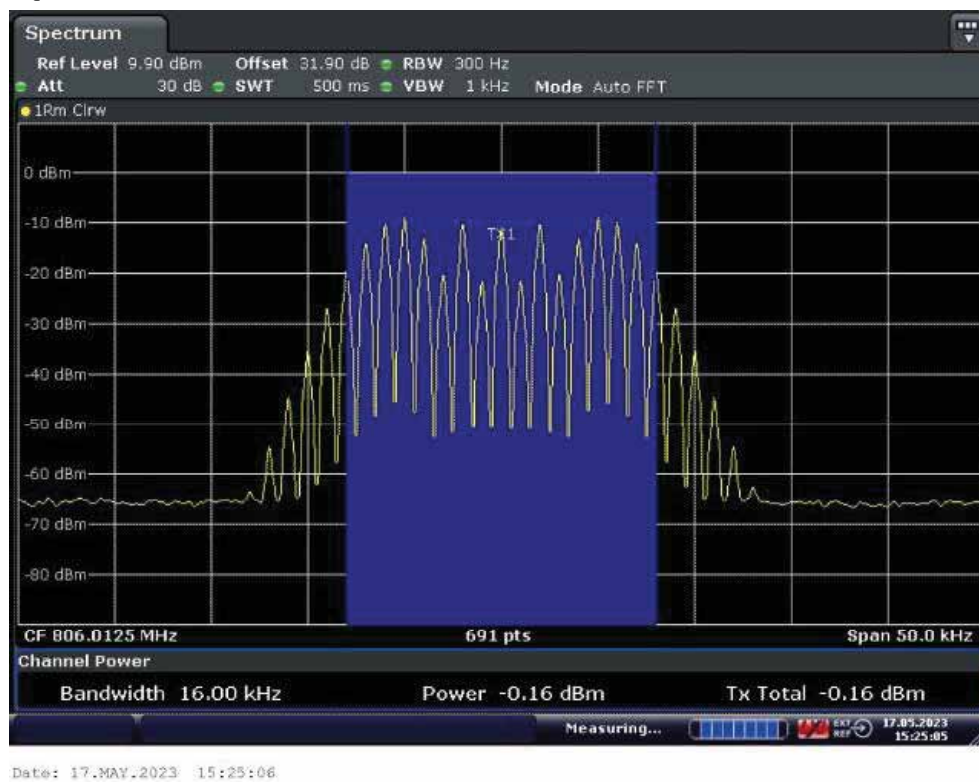


Middle Frequency: 856.0MHz

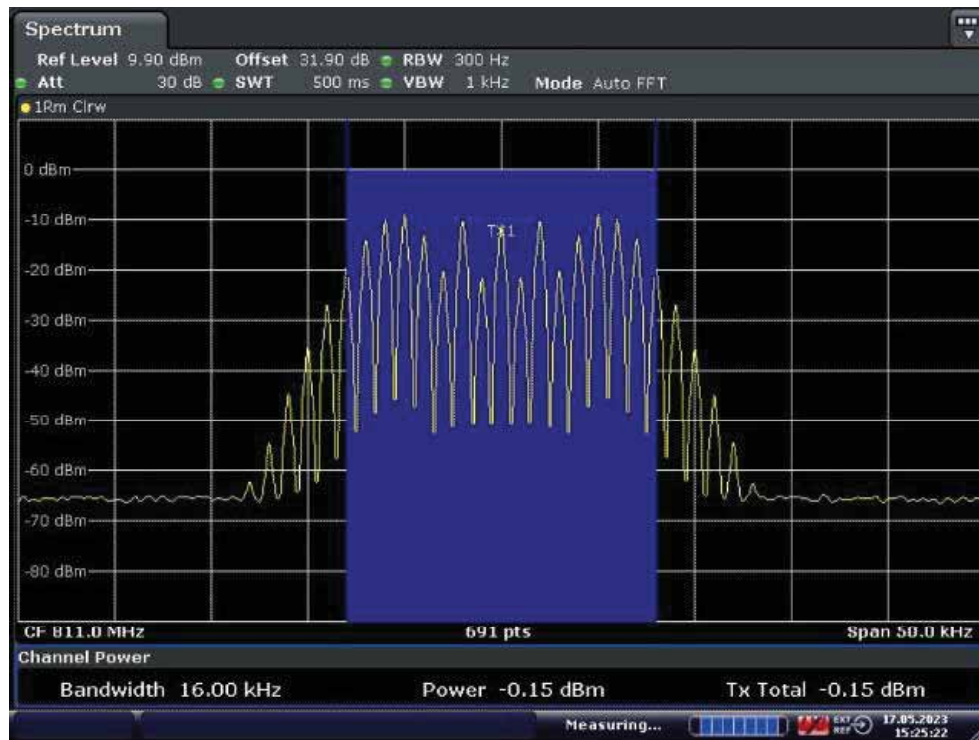


High Frequency: 860.9875MHz

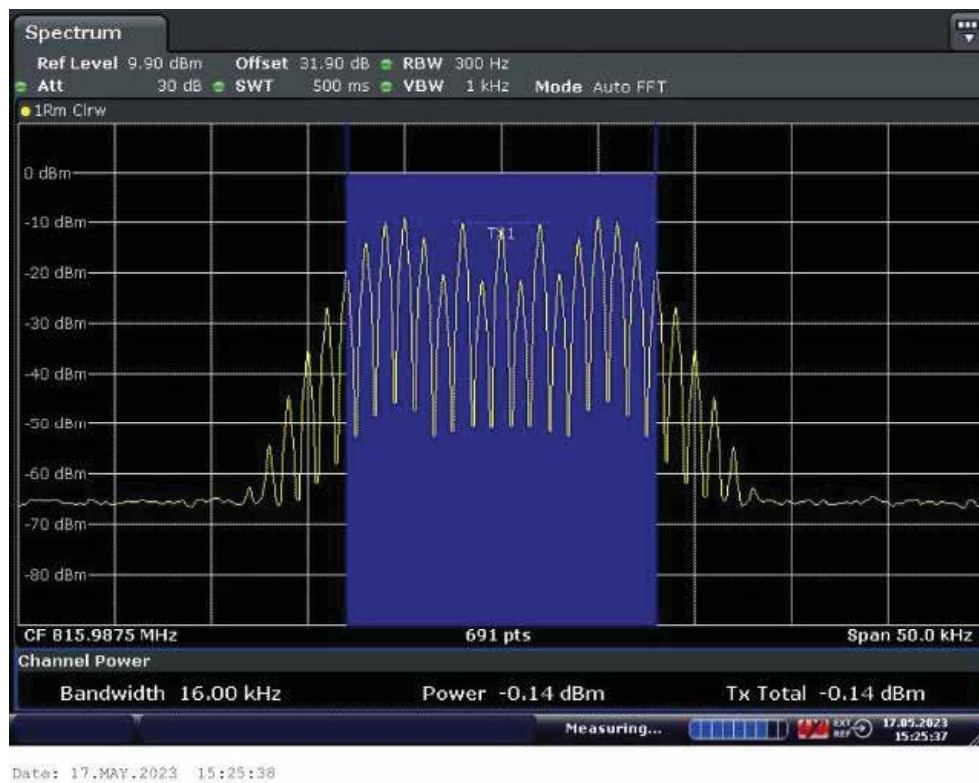
11.12.2.2.4.2. Uplink



Low Frequency: 806.0125MHz



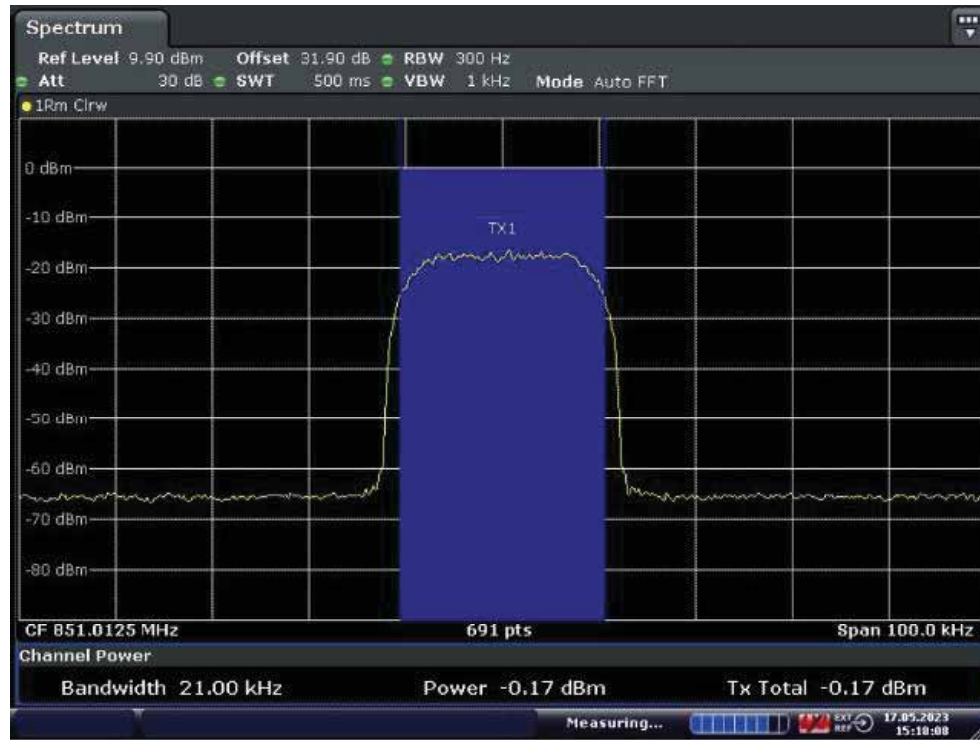
Middle Frequency: 811.0MHz



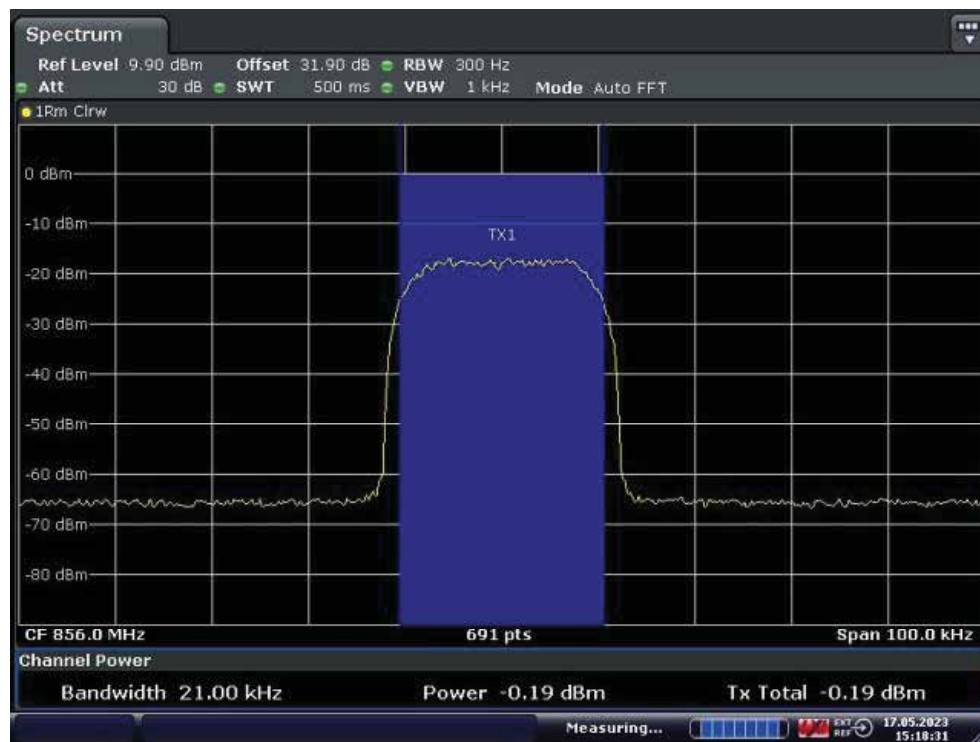
High Frequency: 815.9875MHz

11.12.2.2.5. Tetra

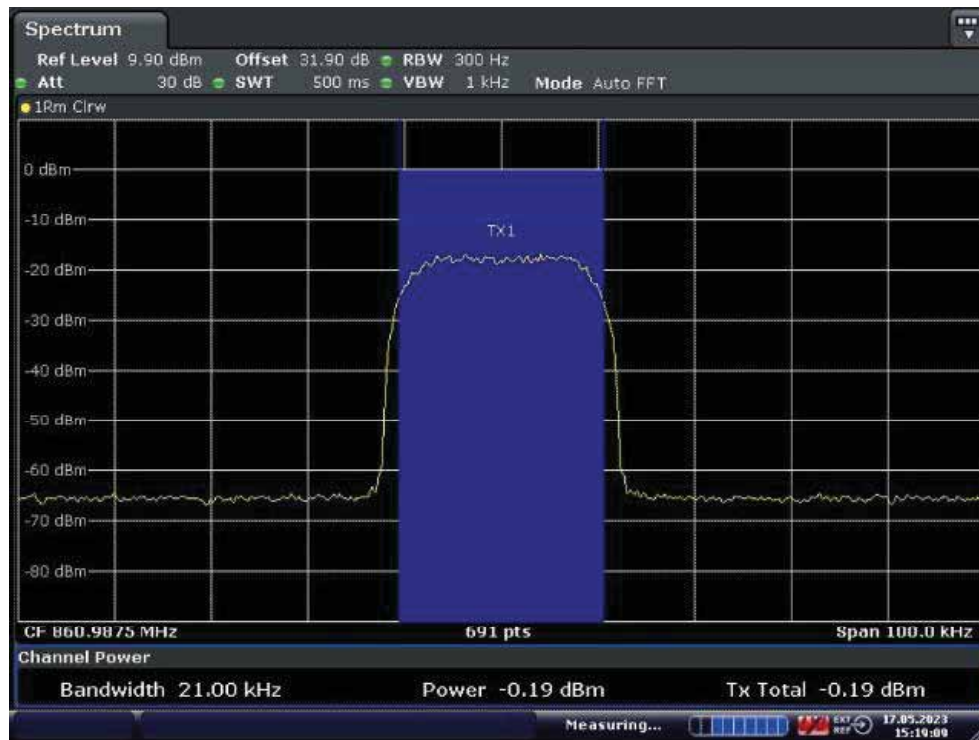
11.12.2.2.5.1. Downlink



Low Frequency: 851.0125MHz



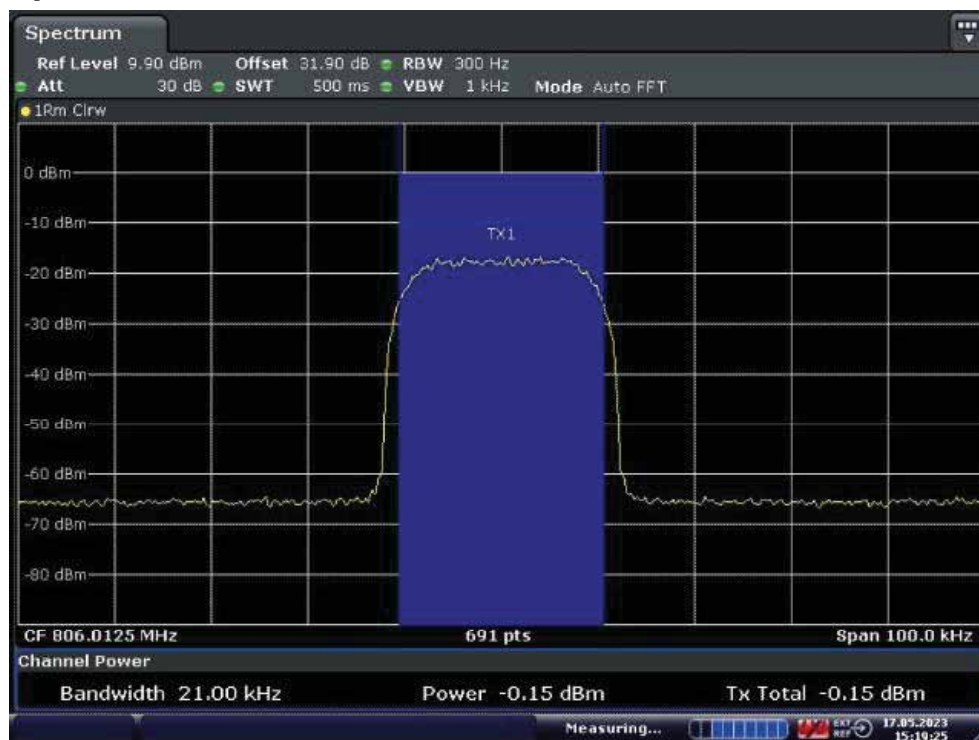
Middle Frequency: 856.0MHz



Date: 17.MAY.2023 15:19:09

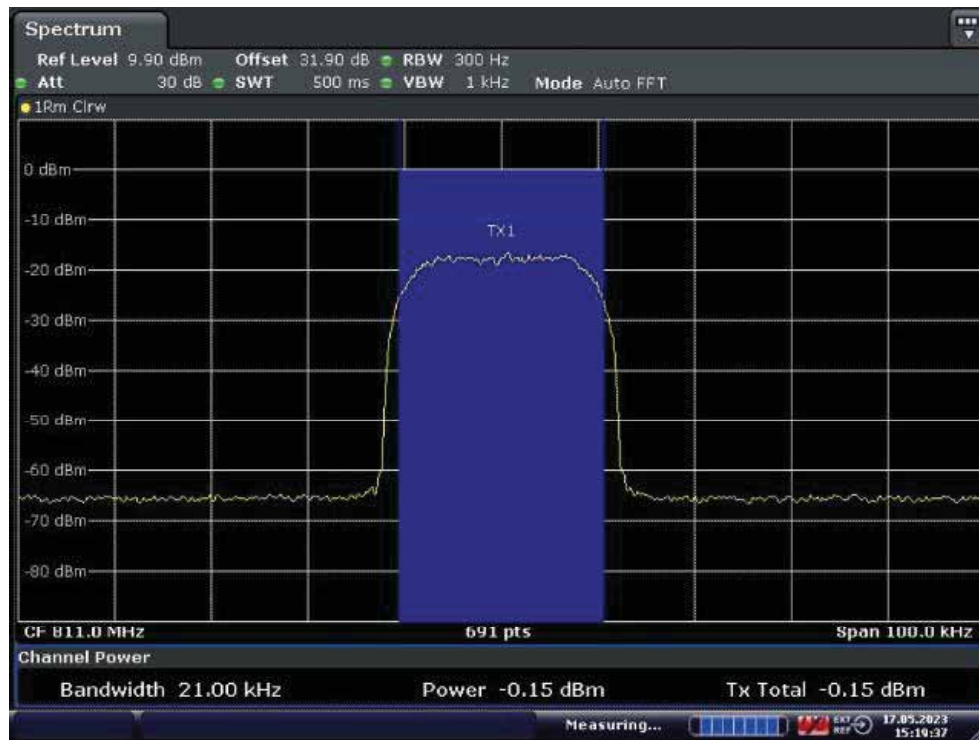
High Frequency: 860.9875MHz

11.12.2.2.5.2. Uplink

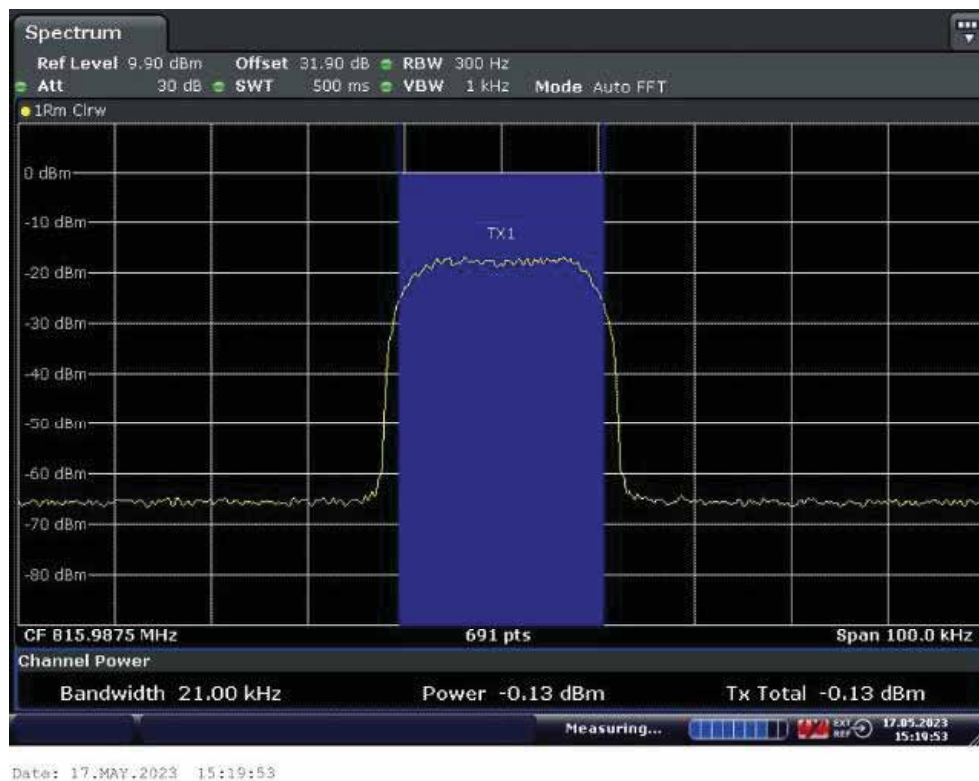


Date: 17.MAY.2023 15:19:25

Low Frequency: 806.0125MHz



Middle Frequency: 811.0MHz



High Frequency: 815.9875MHz

11.13. AGC Threshold

11.13.1. Test results

Test Date (yy-mm-dd): 2023-05-20

Normal condition: Temp: 27.1℃, Humid: 54%, Atmospheric Pressure:101kpa

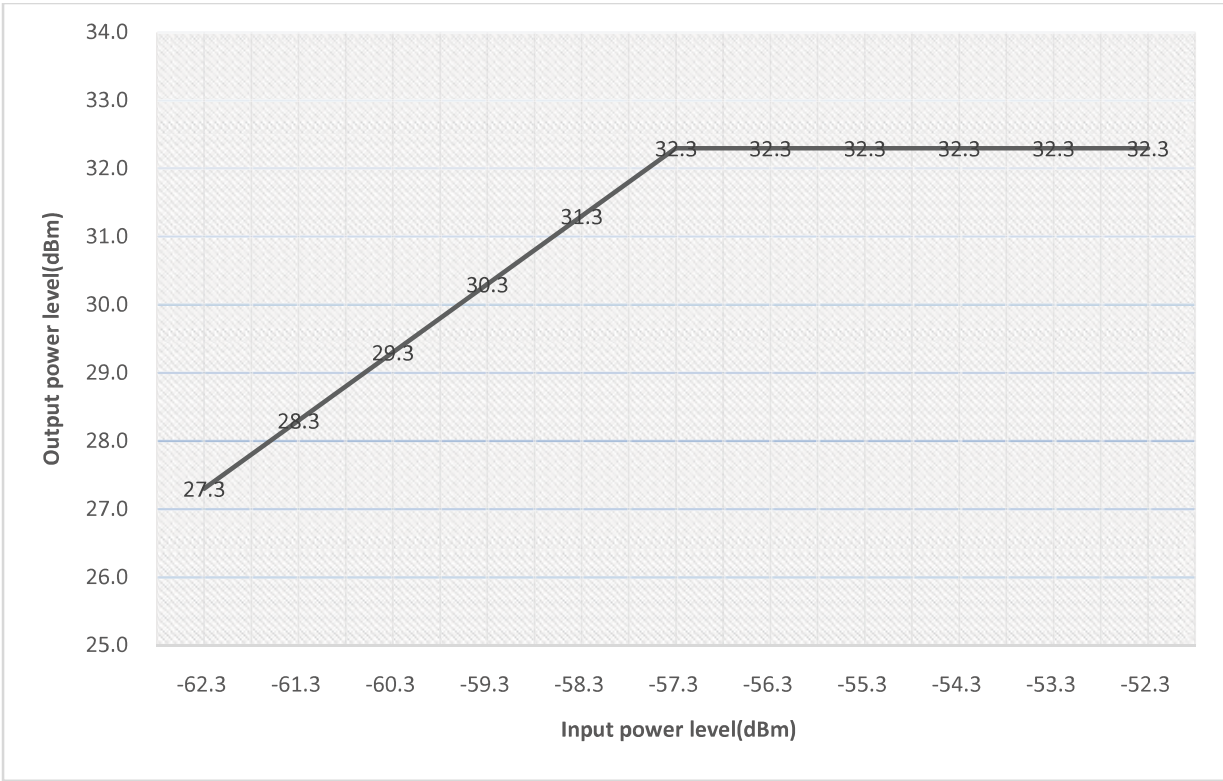
Supply Voltage: AC 110V, 50Hz

11.13.1.1. 700MHz Band

11.13.1.1.1. Downlink

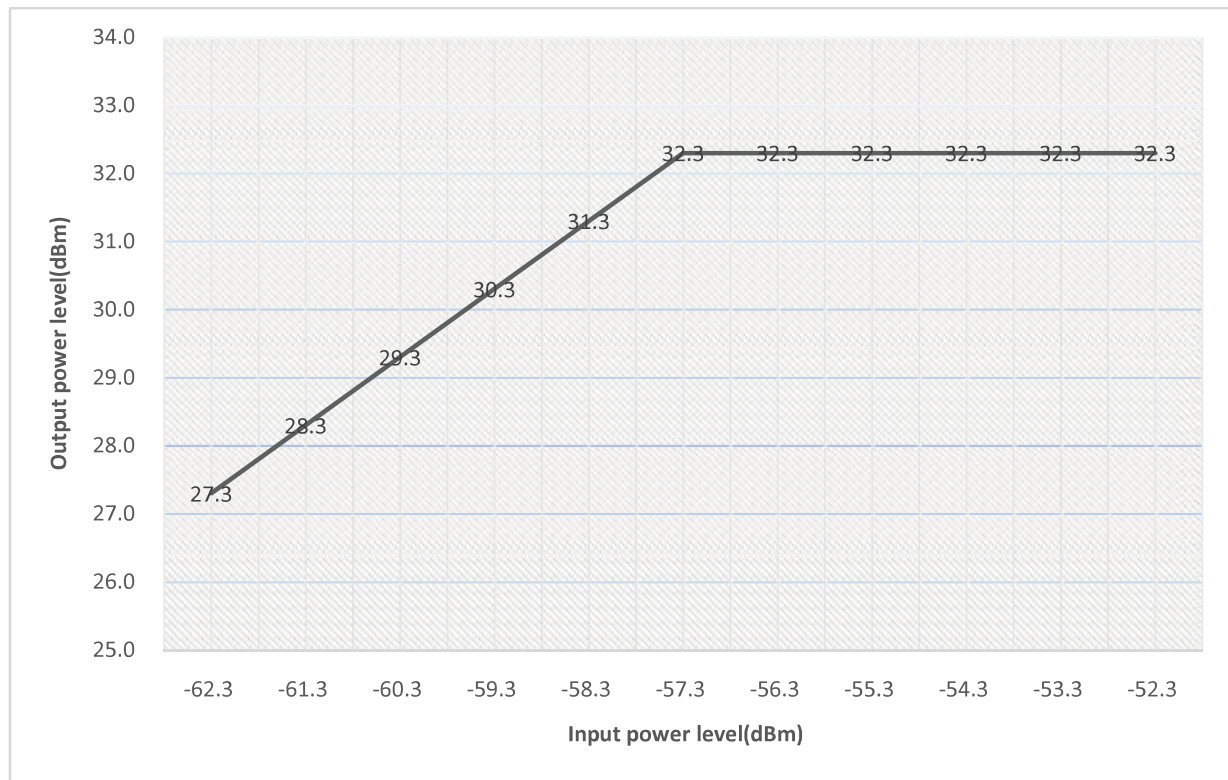
11.13.1.1.1.1. P25 Phase I(C4FM)

Test frequency	EUT input power (dBm)	EUT input cable loss (dB)	EUT Corrected Input power (dBm)	EUT Corrected Output power (dBm)
772.0MHz	-61.2	1.1	-62.3	27.3
	-60.2	1.1	-61.3	28.3
	-59.2	1.1	-60.3	29.3
	-58.2	1.1	-59.3	30.3
	-57.2	1.1	-58.3	31.3
	-56.2	1.1	-57.3	32.3
	-55.2	1.1	-56.3	32.3
	-54.2	1.1	-55.3	32.3
	-53.2	1.1	-54.3	32.3
	-52.2	1.1	-53.3	32.3
	-51.2	1.1	-52.3	32.3



11.13.1.1.1.2. P25 Phase II(H-DQPSK)

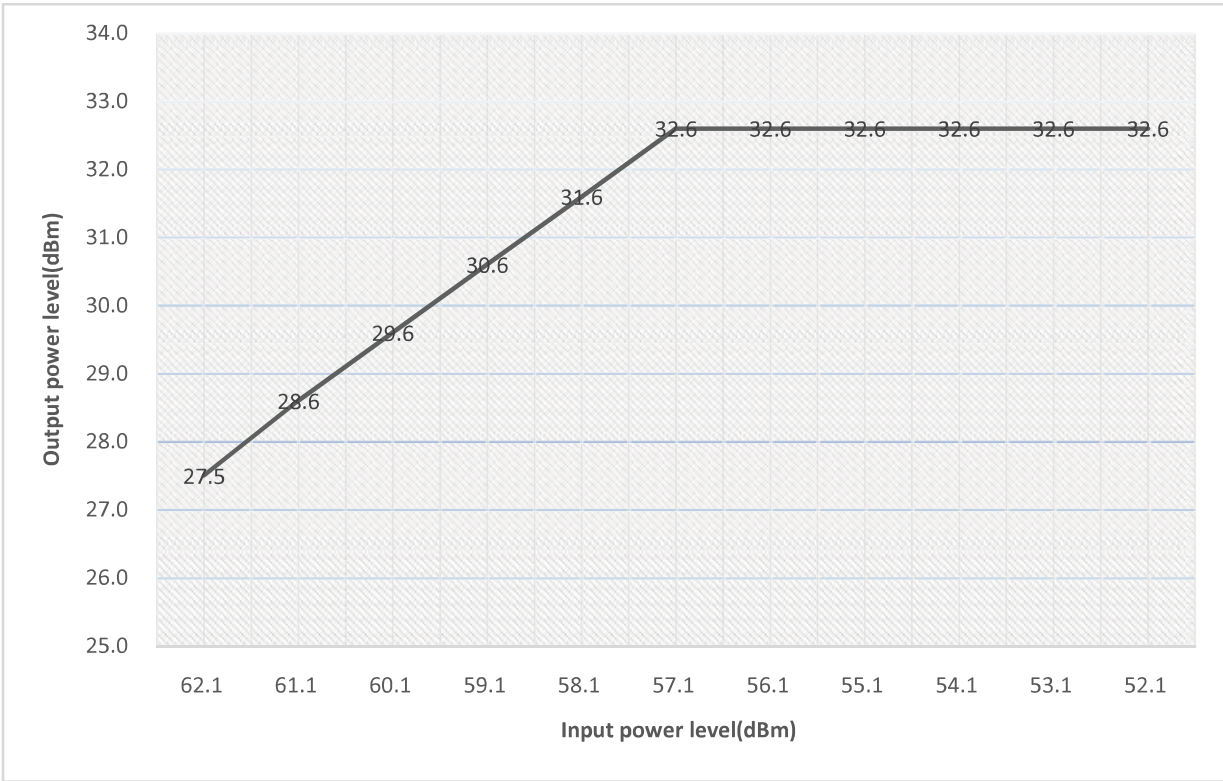
Test frequency	EUT input power (dBm)	EUT input cable loss (dB)	EUT Corrected Input power (dBm)	EUT Corrected Output power (dBm)
772.0MHz	-61.2	1.1	-62.3	27.3
	-60.2	1.1	-61.3	28.3
	-59.2	1.1	-60.3	29.3
	-58.2	1.1	-59.3	30.3
	-57.2	1.1	-58.3	31.3
	-56.2	1.1	-57.3	32.3
	-55.2	1.1	-56.3	32.3
	-54.2	1.1	-55.3	32.3
	-53.2	1.1	-54.3	32.3
	-52.2	1.1	-53.3	32.3
	-51.2	1.1	-52.3	32.3



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11.13.1.1.1.3. DMR

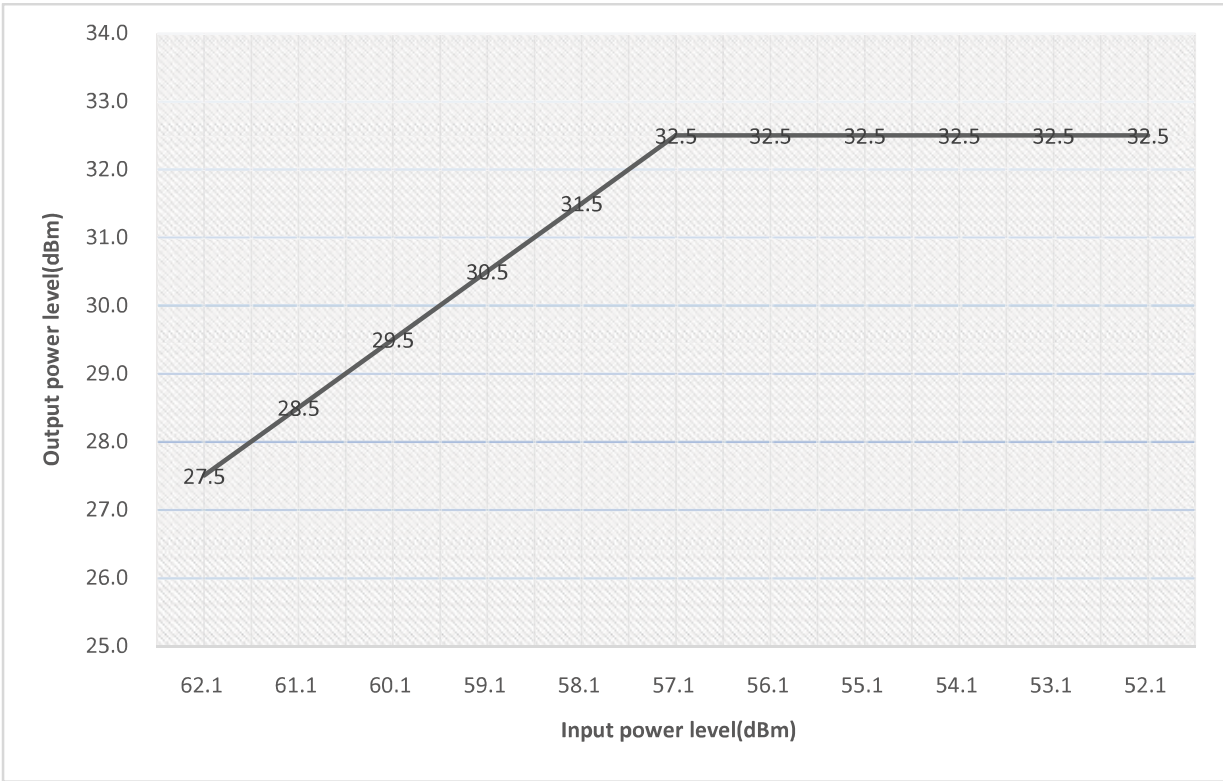
Test frequency	EUT input power (dBm)	EUT input cable loss (dB)	EUT Corrected Input power (dBm)	EUT Corrected Output power (dBm)
772.0MHz	-61.0	1.1	-62.1	27.5
	-60.0	1.1	-61.1	28.6
	-59.0	1.1	-60.1	29.6
	-58.0	1.1	-59.1	30.6
	-57.0	1.1	-58.1	31.6
	-56.0	1.1	-57.1	32.6
	-55.0	1.1	-56.1	32.6
	-54.0	1.1	-55.1	32.6
	-53.0	1.1	-54.1	32.6
	-52.0	1.1	-53.1	32.6
	-51.0	1.1	-52.1	32.6



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11.13.1.1.1.4. Analog FM

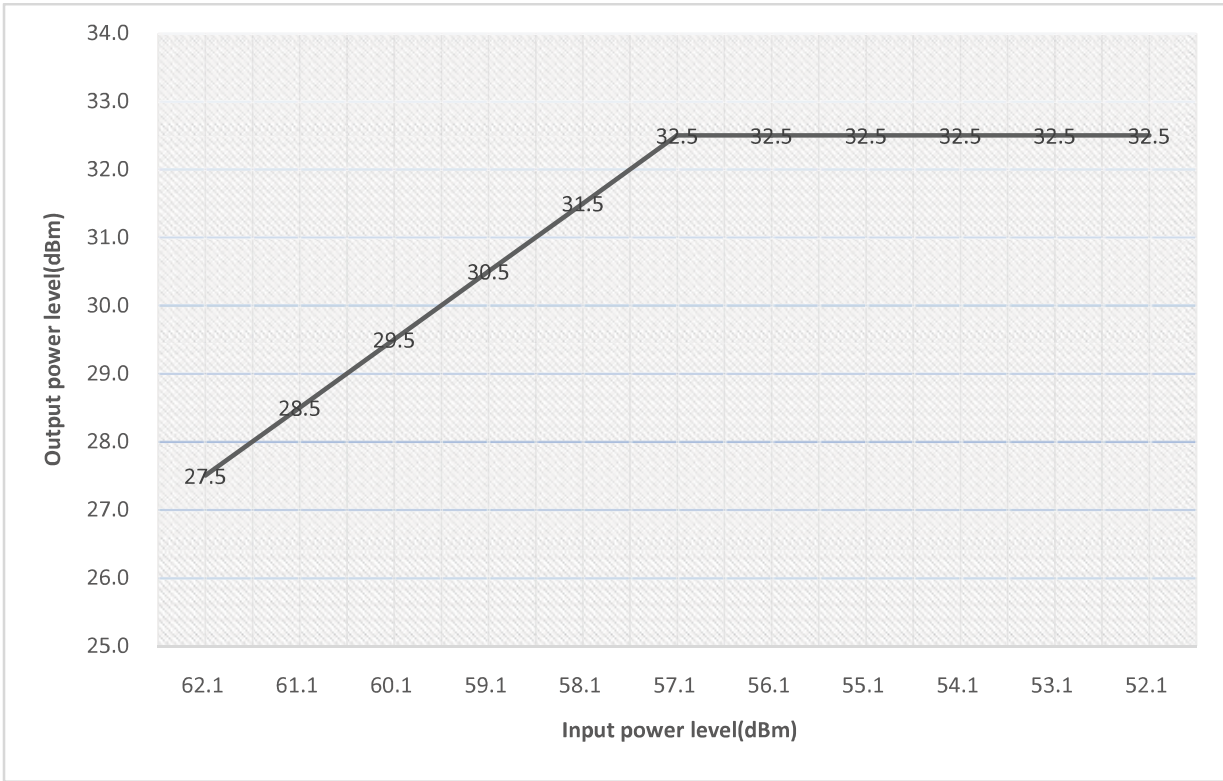
Test frequency	EUT input power (dBm)	EUT input cable loss (dB)	EUT Corrected Input power (dBm)	EUT Corrected Output power (dBm)
772.0MHz	-61.0	1.1	-62.1	27.5
	-60.0	1.1	-61.1	28.5
	-59.0	1.1	-60.1	29.5
	-58.0	1.1	-59.1	30.5
	-57.0	1.1	-58.1	31.5
	-56.0	1.1	-57.1	32.5
	-55.0	1.1	-56.1	32.5
	-54.0	1.1	-55.1	32.5
	-53.0	1.1	-54.1	32.5
	-52.0	1.1	-53.1	32.5
	-51.0	1.1	-52.1	32.5



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11.13.1.1.1.5. Tetra

Test frequency	EUT input power (dBm)	EUT input cable loss (dB)	EUT Corrected Input power (dBm)	EUT Corrected Output power (dBm)
772.0MHz	-61.0	1.1	-62.1	27.5
	-60.0	1.1	-61.1	28.5
	-59.0	1.1	-60.1	29.5
	-58.0	1.1	-59.1	30.5
	-57.0	1.1	-58.1	31.5
	-56.0	1.1	-57.1	32.5
	-55.0	1.1	-56.1	32.5
	-54.0	1.1	-55.1	32.5
	-53.0	1.1	-54.1	32.5
	-52.0	1.1	-53.1	32.5
	-51.0	1.1	-52.1	32.5

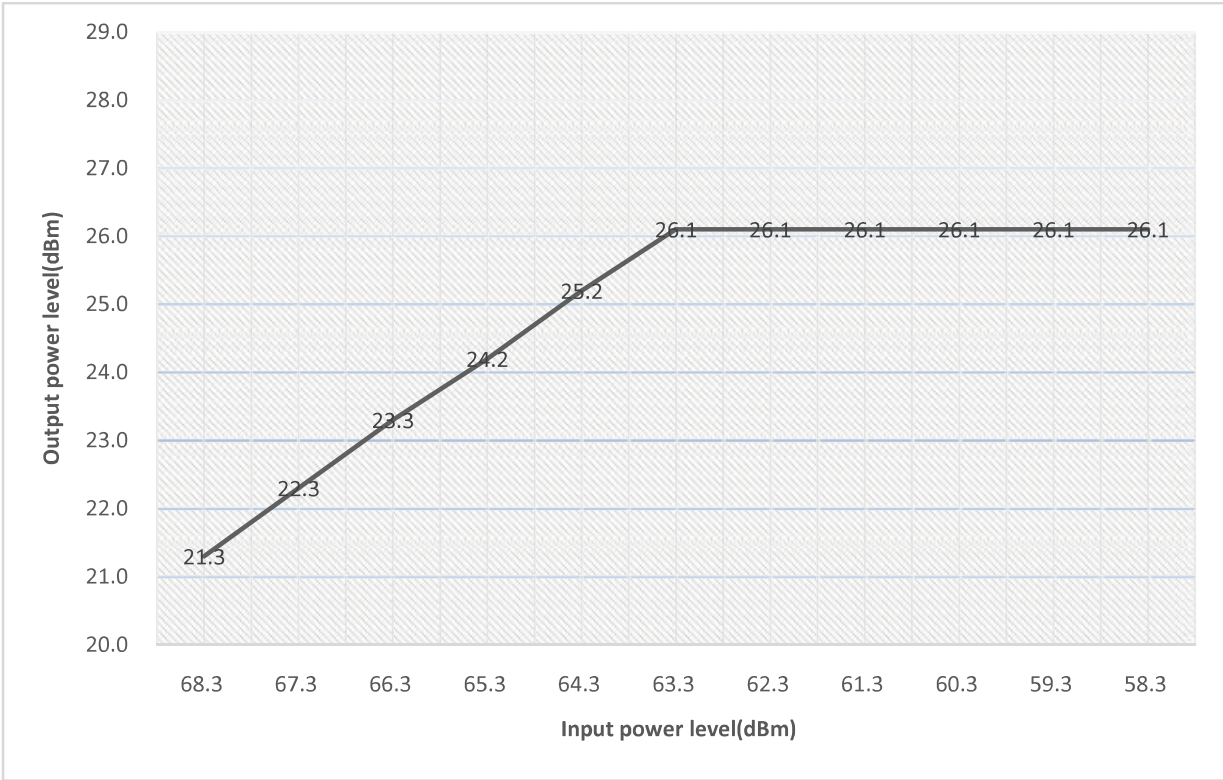


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11.13.1.1.2. Uplink

11.13.1.1.2.1. P25 Phase I(C4FM)

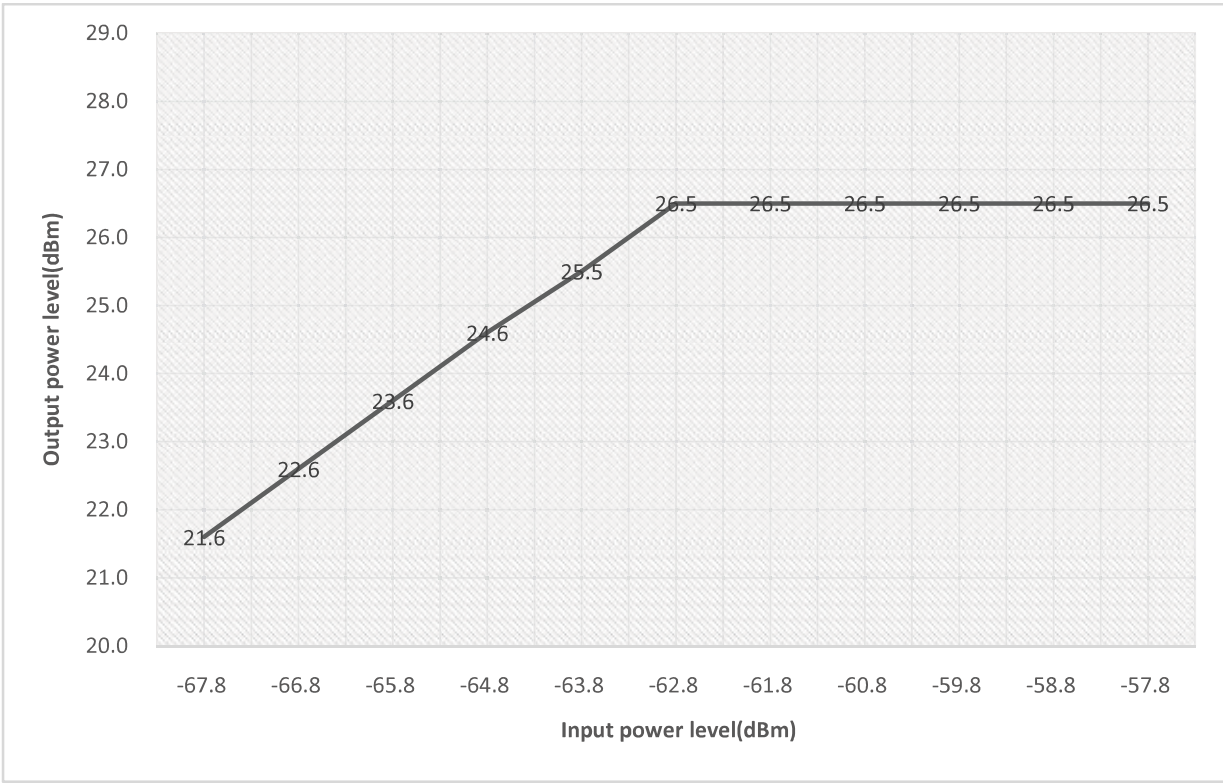
Test frequency	EUT input power (dBm)	EUT input cable loss (dB)	EUT Corrected Input power (dBm)	EUT Corrected Output power (dBm)
802.0MHz	-67.2	1.1	-68.3	21.3
	-66.2	1.1	-67.3	22.3
	-65.2	1.1	-66.3	23.3
	-64.2	1.1	-65.3	24.2
	-63.2	1.1	-64.3	25.2
	-62.2	1.1	-63.3	26.1
	-61.2	1.1	-62.3	26.1
	-60.2	1.1	-61.3	26.1
	-59.2	1.1	-60.3	26.1
	-58.2	1.1	-59.3	26.1
	-57.2	1.1	-58.3	26.1



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11.13.1.1.2.2. P25 Phase II(H-DQPSK)

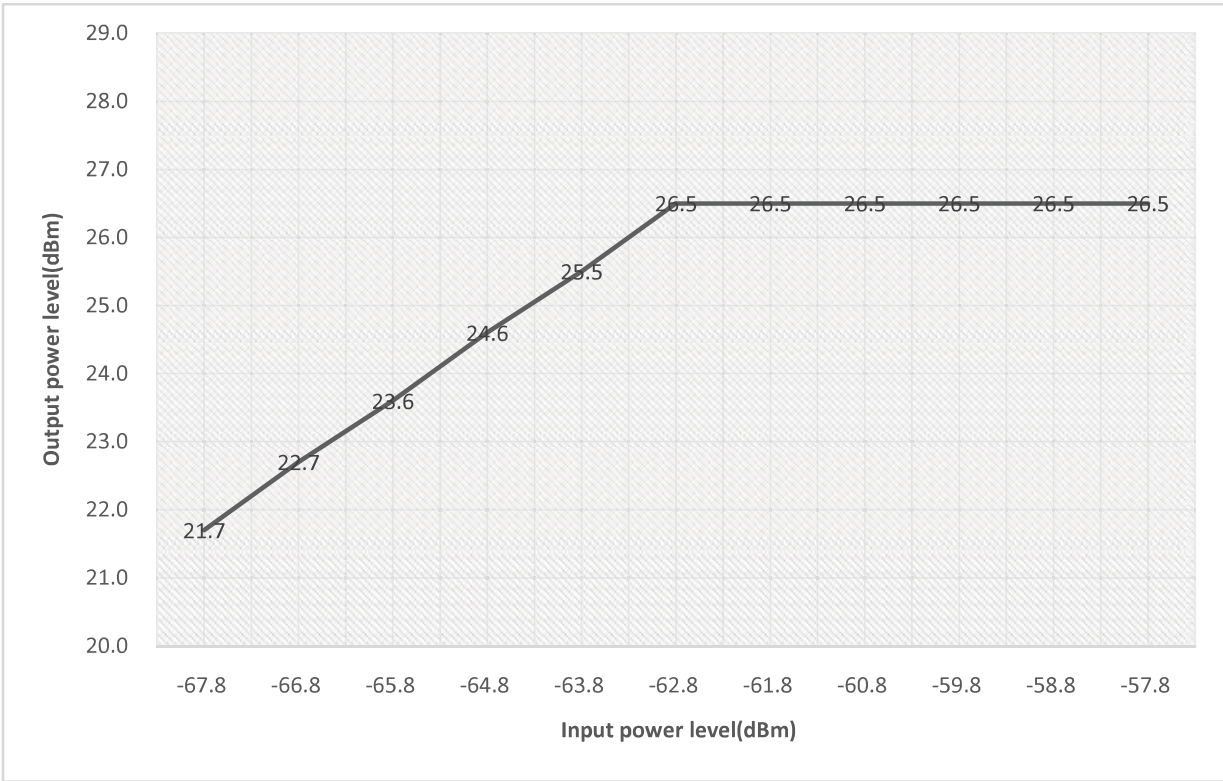
Test frequency	EUT input power (dBm)	EUT input cable loss (dB)	EUT Corrected Input power (dBm)	EUT Corrected Output power (dBm)
802.0MHz	-66.7	1.1	-67.8	21.6
	-65.7	1.1	-66.8	22.6
	-64.7	1.1	-65.8	23.6
	-63.7	1.1	-64.8	24.6
	-62.7	1.1	-63.8	25.5
	-61.7	1.1	-62.8	26.5
	-60.7	1.1	-61.8	26.5
	-59.7	1.1	-60.8	26.5
	-58.7	1.1	-59.8	26.5
	-57.7	1.1	-58.8	26.5
	-56.7	1.1	-57.8	26.5



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11.13.1.1.2.3. DMR

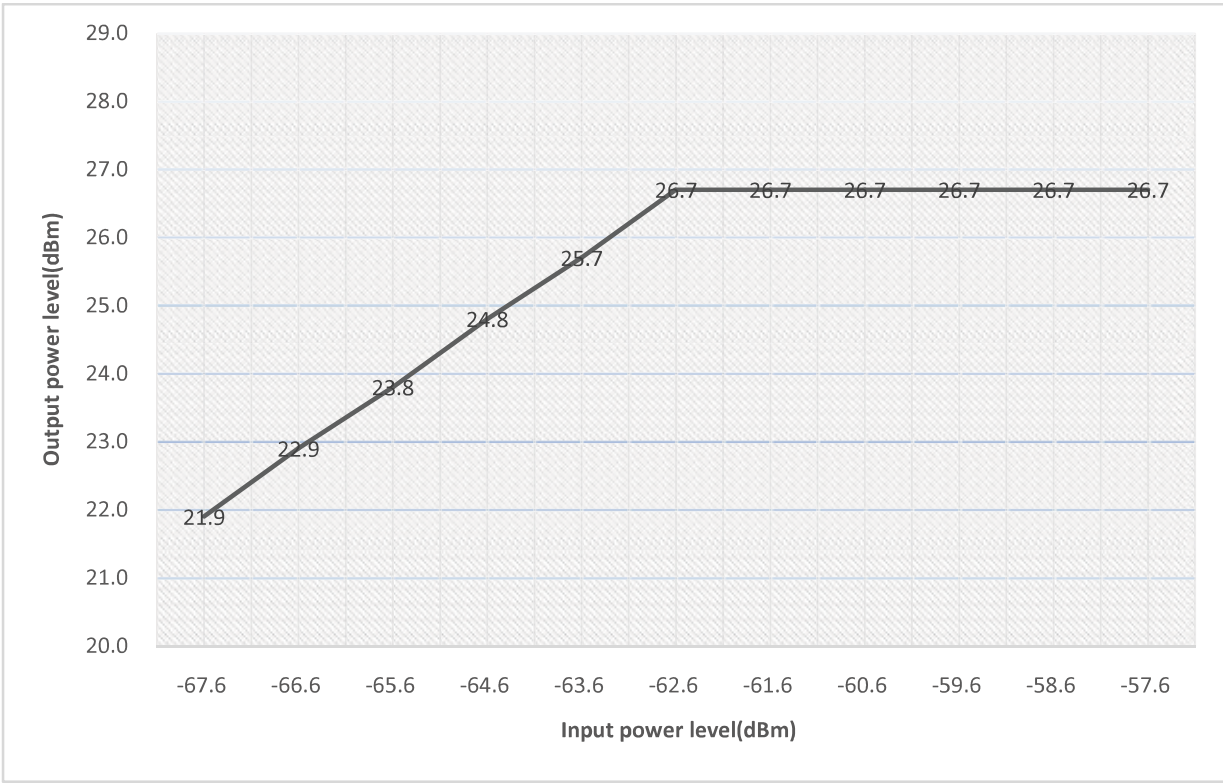
Test frequency	EUT input power (dBm)	EUT input cable loss (dB)	EUT Corrected Input power (dBm)	EUT Corrected Output power (dBm)
802.0MHz	-66.7	1.1	-67.8	21.7
	-65.7	1.1	-66.8	22.7
	-64.7	1.1	-65.8	23.6
	-63.7	1.1	-64.8	24.6
	-62.7	1.1	-63.8	25.5
	-61.7	1.1	-62.8	26.5
	-60.7	1.1	-61.8	26.5
	-59.7	1.1	-60.8	26.5
	-58.7	1.1	-59.8	26.5
	-57.7	1.1	-58.8	26.5
	-56.7	1.1	-57.8	26.5



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11.13.1.1.2.4. Analog FM

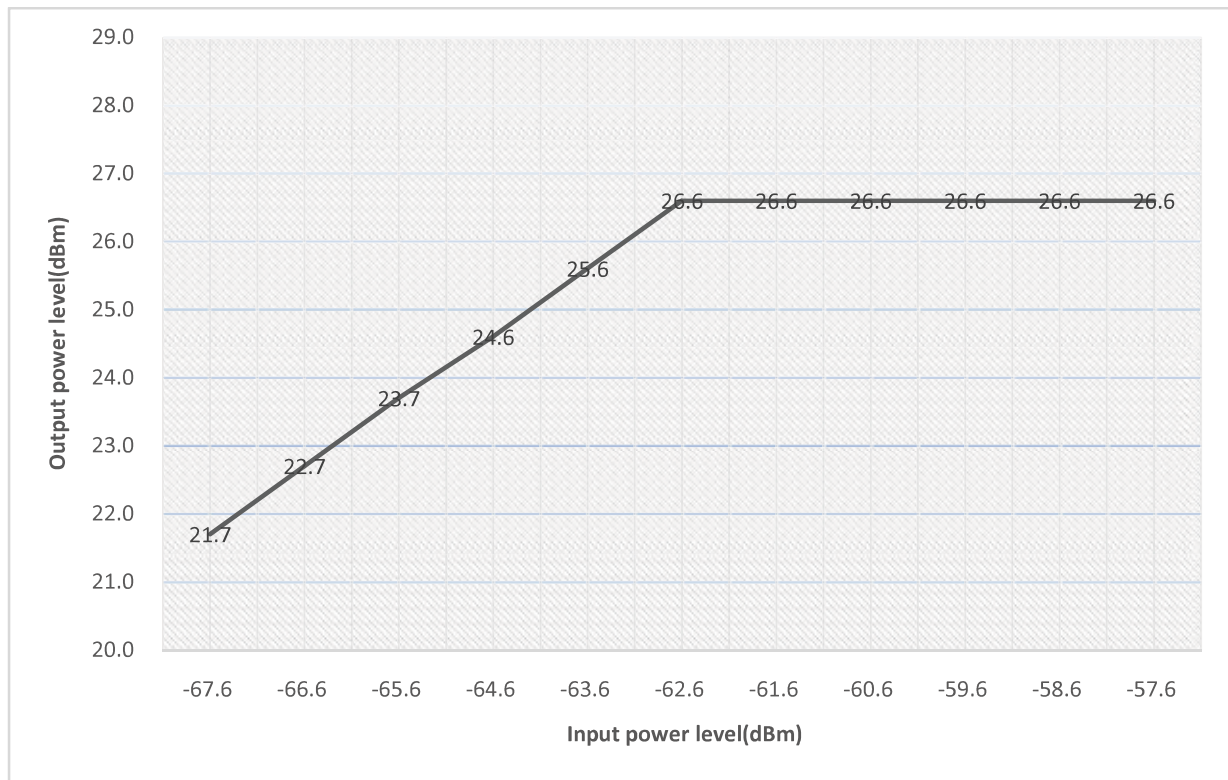
Test frequency	EUT input power (dBm)	EUT input cable loss (dB)	EUT Corrected Input power (dBm)	EUT Corrected Output power (dBm)
802.0MHz	-66.5	1.1	-67.6	21.9
	-65.5	1.1	-66.6	22.9
	-64.5	1.1	-65.6	23.8
	-63.5	1.1	-64.6	24.8
	-62.5	1.1	-63.6	25.7
	-61.5	1.1	-62.6	26.7
	-60.5	1.1	-61.6	26.7
	-59.5	1.1	-60.6	26.7
	-58.5	1.1	-59.6	26.7
	-57.5	1.1	-58.6	26.7
	-56.5	1.1	-57.6	26.7



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11.13.1.1.2.5. Tetra

Test frequency	EUT input power (dBm)	EUT input cable loss (dB)	EUT Corrected Input power (dBm)	EUT Corrected Output power (dBm)
802.0MHz	-66.5	1.1	-67.6	21.7
	-65.5	1.1	-66.6	22.7
	-64.5	1.1	-65.6	23.7
	-63.5	1.1	-64.6	24.6
	-62.5	1.1	-63.6	25.6
	-61.5	1.1	-62.6	26.6
	-60.5	1.1	-61.6	26.6
	-59.5	1.1	-60.6	26.6
	-58.5	1.1	-59.6	26.6
	-57.5	1.1	-58.6	26.6
	-56.5	1.1	-57.6	26.6



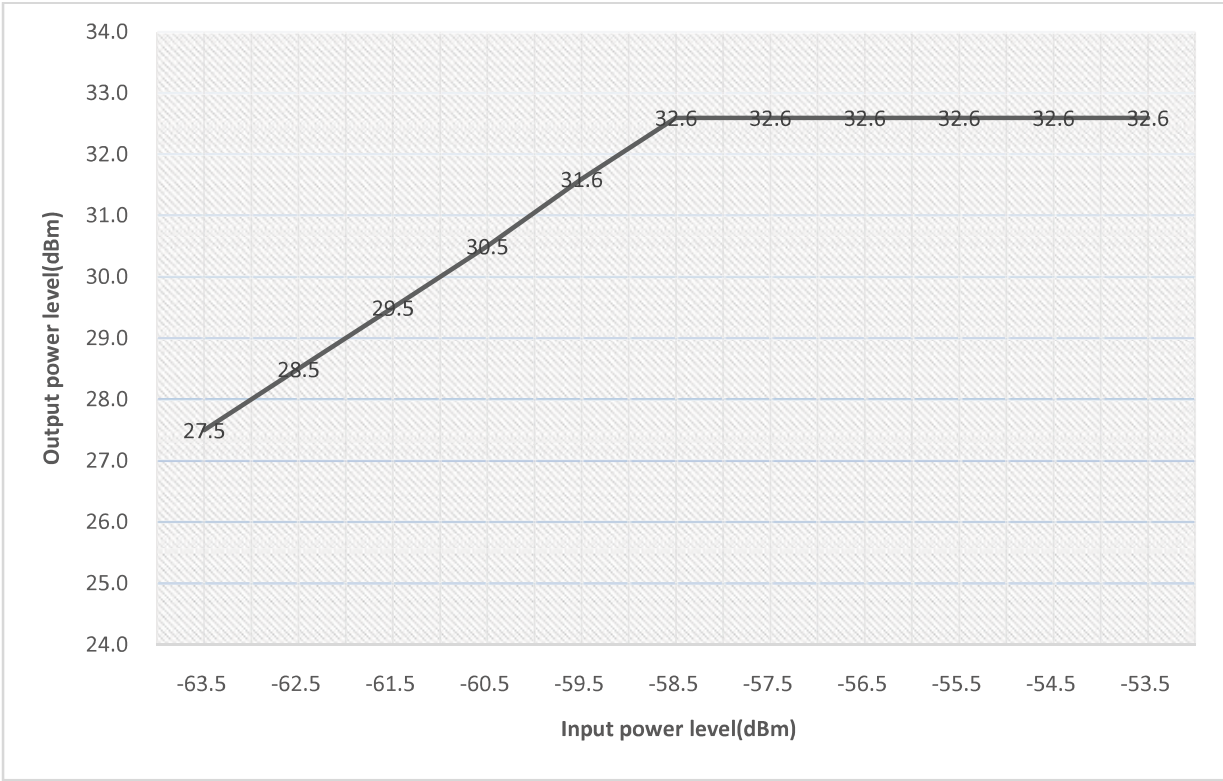
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11.13.1.2. 800MHz Band

11.13.1.2.1. Downlink

11.13.1.2.1.1. P25 Phase I(C4FM)

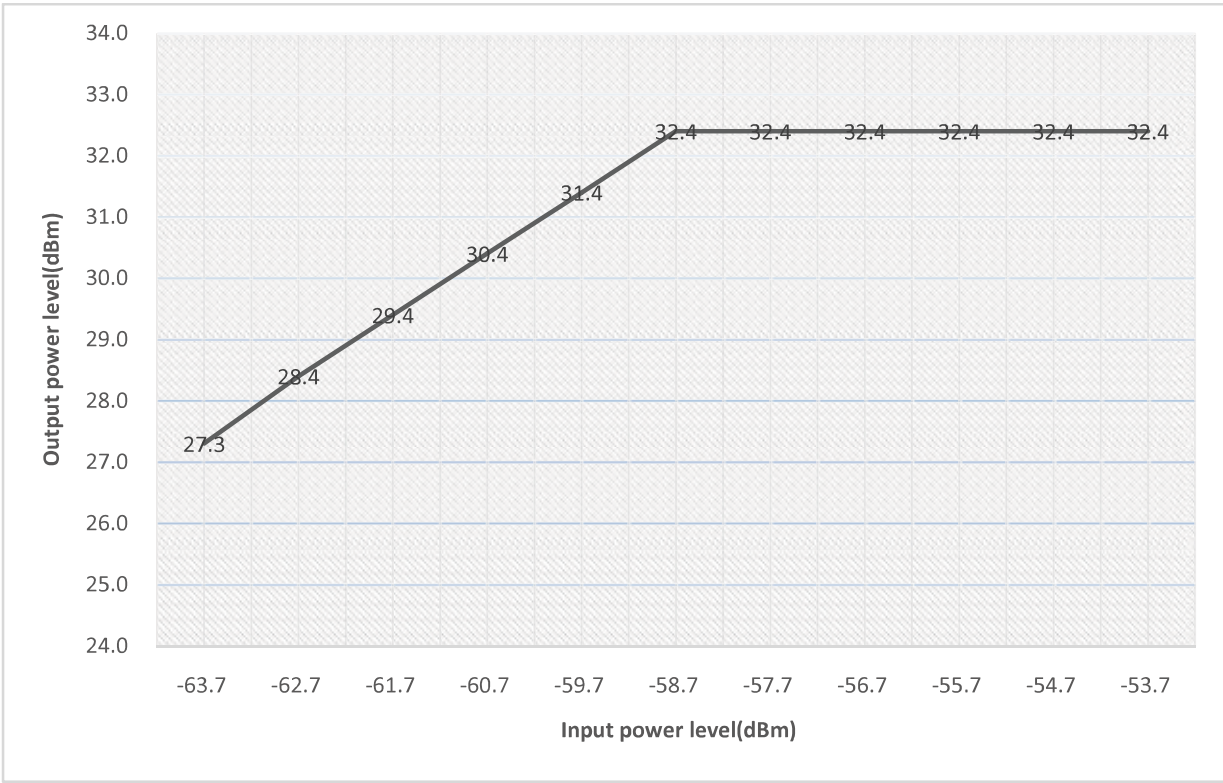
Test frequency	EUT input power (dBm)	EUT input cable loss (dB)	EUT Corrected Input power (dBm)	EUT Corrected Output power (dBm)
856.0MHz	-62.4	1.1	-63.5	27.5
	-61.4	1.1	-62.5	28.5
	-60.4	1.1	-61.5	29.5
	-59.4	1.1	-60.5	30.5
	-58.4	1.1	-59.5	31.6
	-57.4	1.1	-58.5	32.6
	-56.4	1.1	-57.5	32.6
	-55.4	1.1	-56.5	32.6
	-54.4	1.1	-55.5	32.6
	-53.4	1.1	-54.5	32.6
	-52.4	1.1	-53.5	32.6



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11.13.1.2.1.2. P25 Phase II(H-DQPSK)

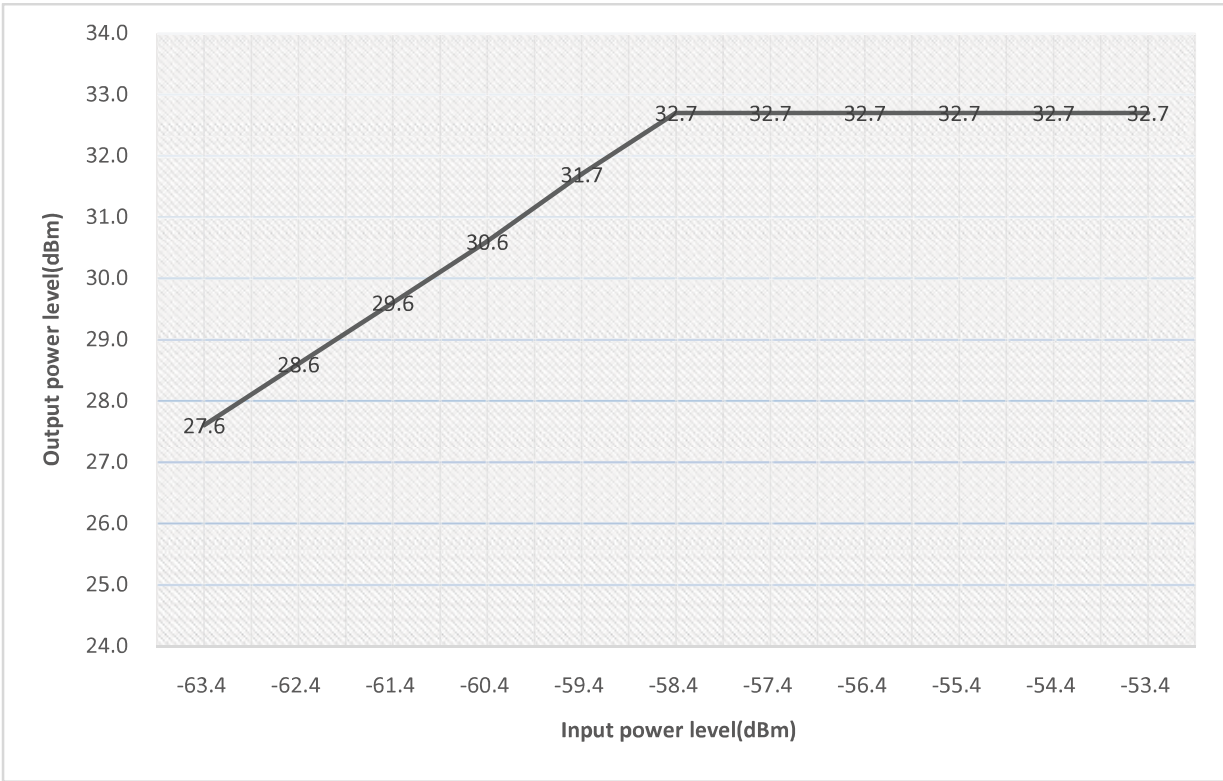
Test frequency	EUT input power (dBm)	EUT input cable loss (dB)	EUT Corrected Input power (dBm)	EUT Corrected Output power (dBm)
856.0MHz	-62.6	1.1	-63.7	27.3
	-61.6	1.1	-62.7	28.4
	-60.6	1.1	-61.7	29.4
	-59.6	1.1	-60.7	30.4
	-58.6	1.1	-59.7	31.4
	-57.6	1.1	-58.7	32.4
	-56.6	1.1	-57.7	32.4
	-55.6	1.1	-56.7	32.4
	-54.6	1.1	-55.7	32.4
	-53.6	1.1	-54.7	32.4
	-52.6	1.1	-53.7	32.4



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11.13.1.2.1.3. DMR

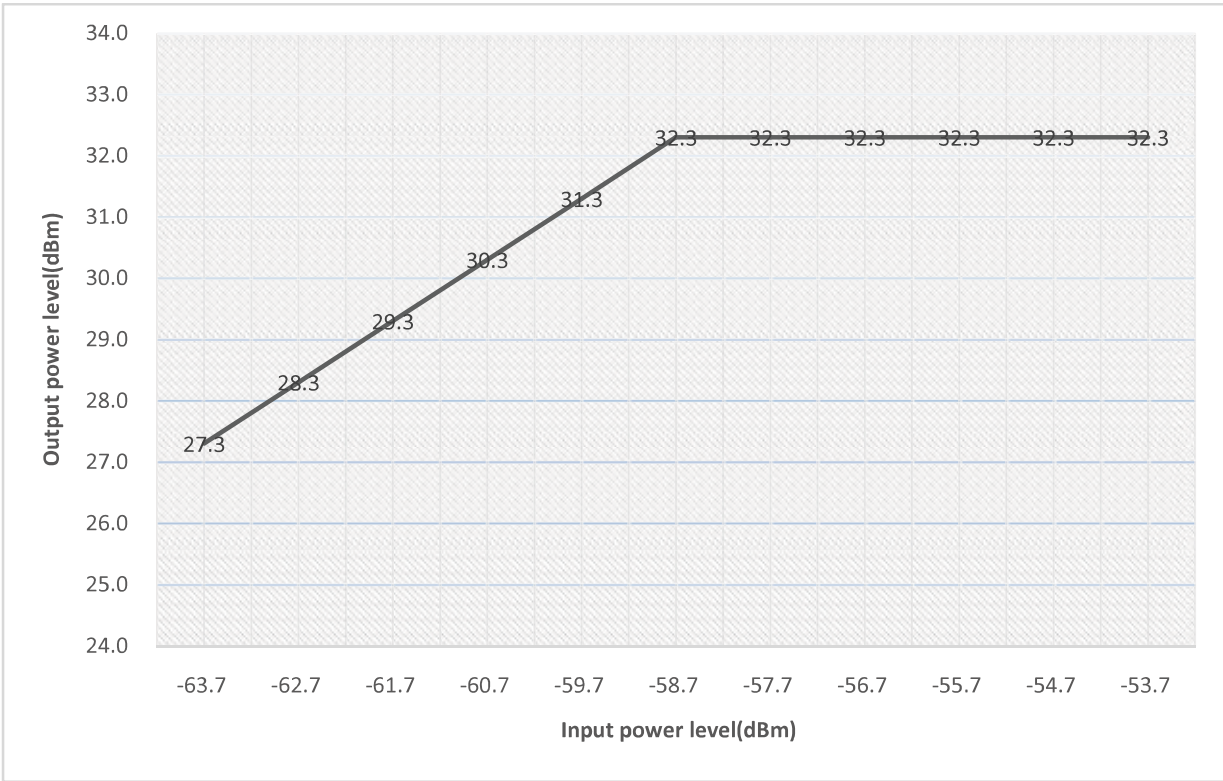
Test frequency	EUT input power (dBm)	EUT input cable loss (dB)	EUT Corrected Input power (dBm)	EUT Corrected Output power (dBm)
856.0MHz	-62.3	1.1	-63.4	27.6
	-61.3	1.1	-62.4	28.6
	-60.3	1.1	-61.4	29.6
	-59.3	1.1	-60.4	30.6
	-58.3	1.1	-59.4	31.7
	-57.3	1.1	-58.4	32.7
	-56.3	1.1	-57.4	32.7
	-55.3	1.1	-56.4	32.7
	-54.3	1.1	-55.4	32.7
	-53.3	1.1	-54.4	32.7
	-52.3	1.1	-53.4	32.7



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11.13.1.2.1.4. Analog FM

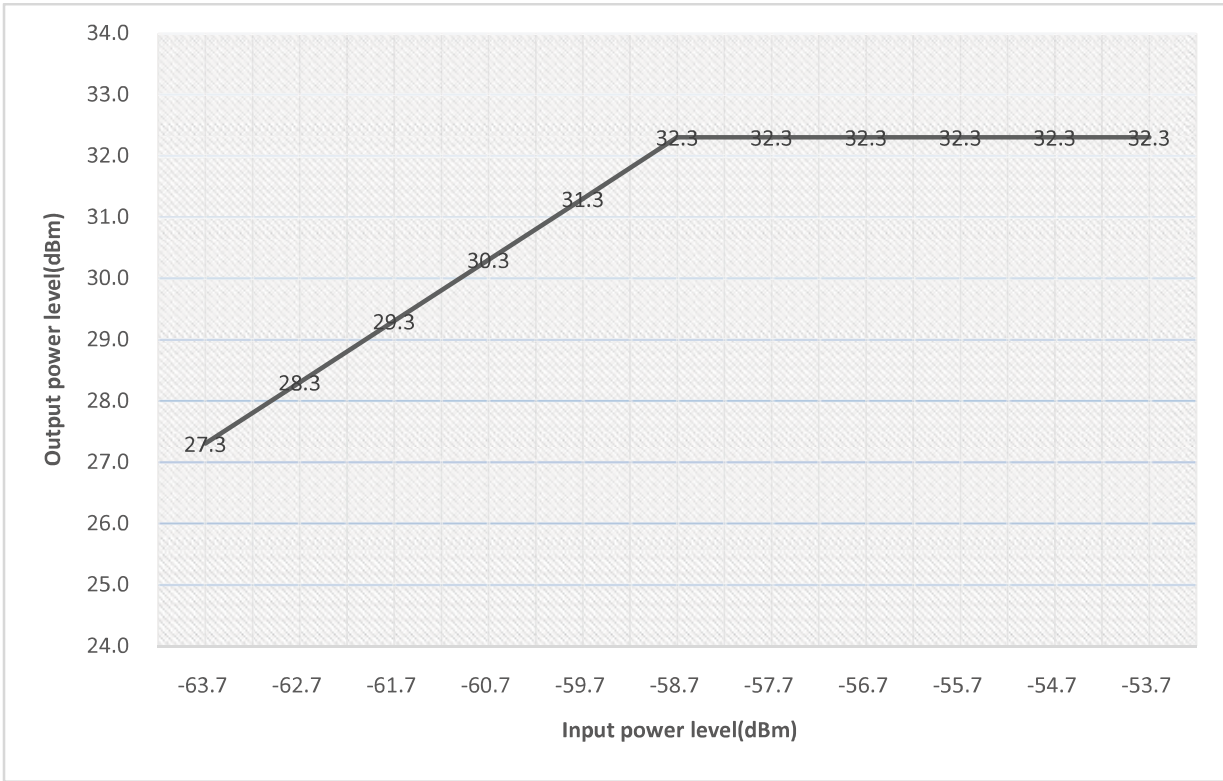
Test frequency	EUT input power (dBm)	EUT input cable loss (dB)	EUT Corrected Input power (dBm)	EUT Corrected Output power (dBm)
856.0MHz	-62.6	1.1	-63.7	27.3
	-61.6	1.1	-62.7	28.3
	-60.6	1.1	-61.7	29.3
	-59.6	1.1	-60.7	30.3
	-58.6	1.1	-59.7	31.3
	-57.6	1.1	-58.7	32.3
	-56.6	1.1	-57.7	32.3
	-55.6	1.1	-56.7	32.3
	-54.6	1.1	-55.7	32.3
	-53.6	1.1	-54.7	32.3
	-52.6	1.1	-53.7	32.3



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11.13.1.2.1.5. Tetra

Test frequency	EUT input power (dBm)	EUT input cable loss (dB)	EUT Corrected Input power (dBm)	EUT Corrected Output power (dBm)
856.0MHz	-62.6	1.1	-63.7	27.3
	-61.6	1.1	-62.7	28.3
	-60.6	1.1	-61.7	29.3
	-59.6	1.1	-60.7	30.3
	-58.6	1.1	-59.7	31.3
	-57.6	1.1	-58.7	32.3
	-56.6	1.1	-57.7	32.3
	-55.6	1.1	-56.7	32.3
	-54.6	1.1	-55.7	32.3
	-53.6	1.1	-54.7	32.3
	-52.6	1.1	-53.7	32.3

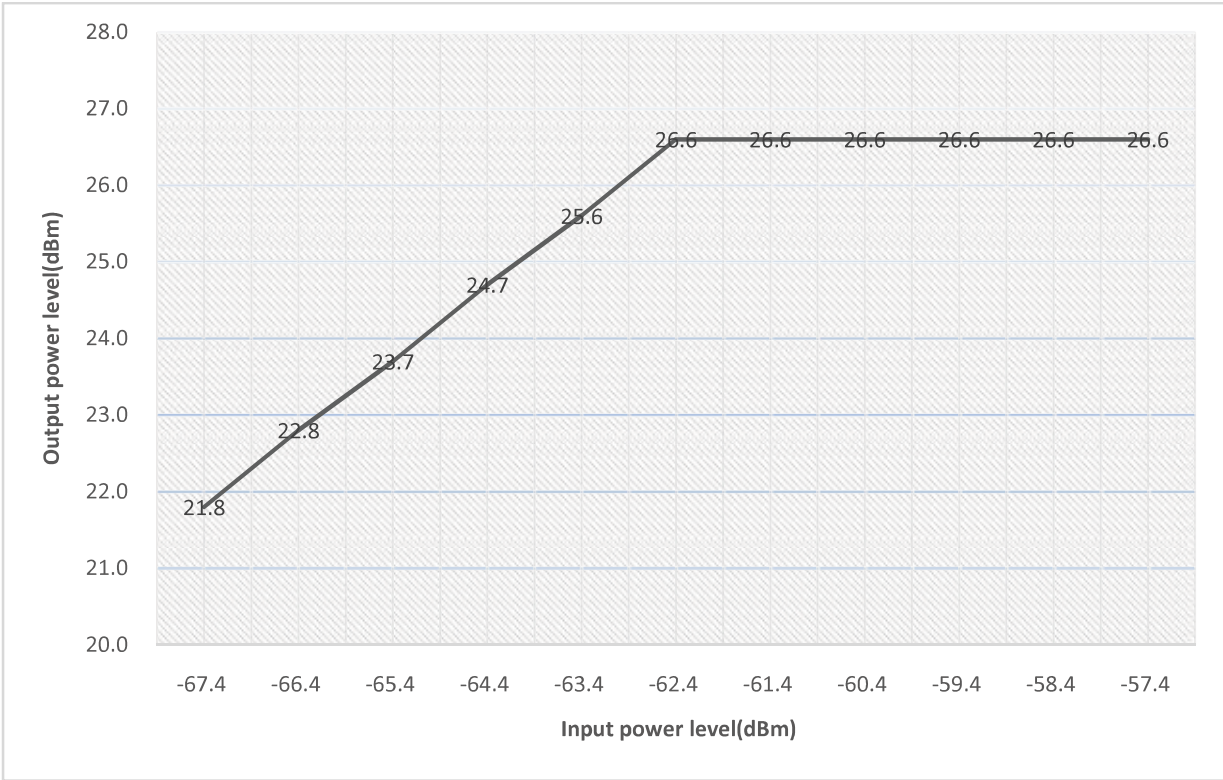


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11.13.1.2.2. Uplink

11.13.1.2.2.1. P25 Phase I(C4FM)

Test frequency	EUT input power (dBm)	EUT input cable loss (dB)	EUT Corrected Input power (dBm)	EUT Corrected Output power (dBm)
811.0MHz	-66.3	1.1	-67.4	21.8
	-65.3	1.1	-66.4	22.8
	-64.3	1.1	-65.4	23.7
	-63.3	1.1	-64.4	24.7
	-62.3	1.1	-63.4	25.6
	-61.3	1.1	-62.4	26.6
	-60.3	1.1	-61.4	26.6
	-59.3	1.1	-60.4	26.6
	-58.3	1.1	-59.4	26.6
	-57.3	1.1	-58.4	26.6
	-56.3	1.1	-57.4	26.6



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