Conducted Power Measurement Results: FCC Part 24

Frequency Band (MHz)	Channel Frequency (MHz)	Channel Bandwidth (kHz)	Modulation	Meas. Detector	Measured Power (1) [P_{Meas}] (dBm)	Antenna Gain [G] (dBd)	ERP Power [P_{erp}] (dBm)	Limit [P_{Lim}] (dBm)	Margin (dB)
901-902	901.5	12.50	QPSK	RMS	37.76	0.50	38.26	38.5	0.2
			16QAM		35.68		36.18		2.3
			64QAM		34.42		34.92		3.6
			256QAM		33.56		34.06		4.4
930-931	930.5		QPSK		37.97		38.47	65.4	26.9
			16QAM		35.60		36.10		29.3
			64QAM		34.35		34.85		30.6
			256QAM		33.86		34.36		31.0
940-941	940.5		QPSK		38.00		38.50		26.9
			16QAM		35.63		36.13		29.3
			64QAM		34.46		34.96		30.4
			256QAM		33.88		34.38		31.0
								Result:	Complies

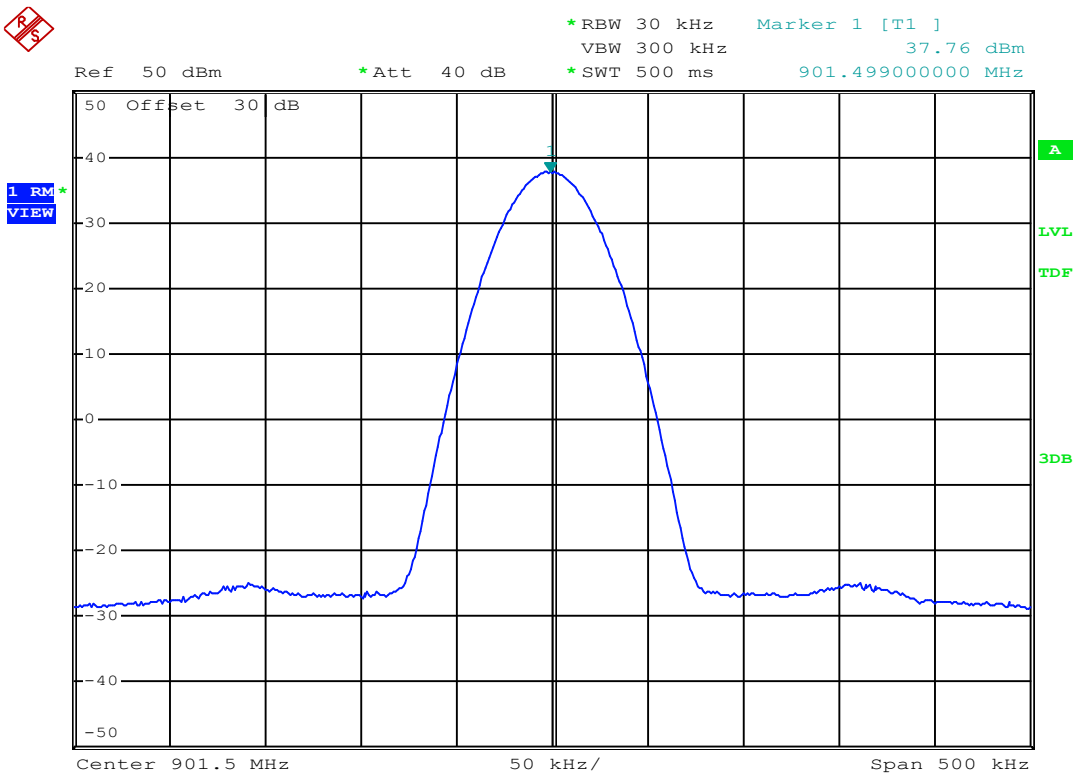
(1) Path Loss, including cable, attenuator and connectors, accounted for in the instrument's Transducer Factor (TDF)
Approximate Path Loss (worst case) = 0.6dB @1GHz

ERP [P_{erp}] = [P_{meas}] + [G](dBd)

Margin = [P_{lim}] - [P_{erp}]

Note: Maximum Output Power is field-programable.

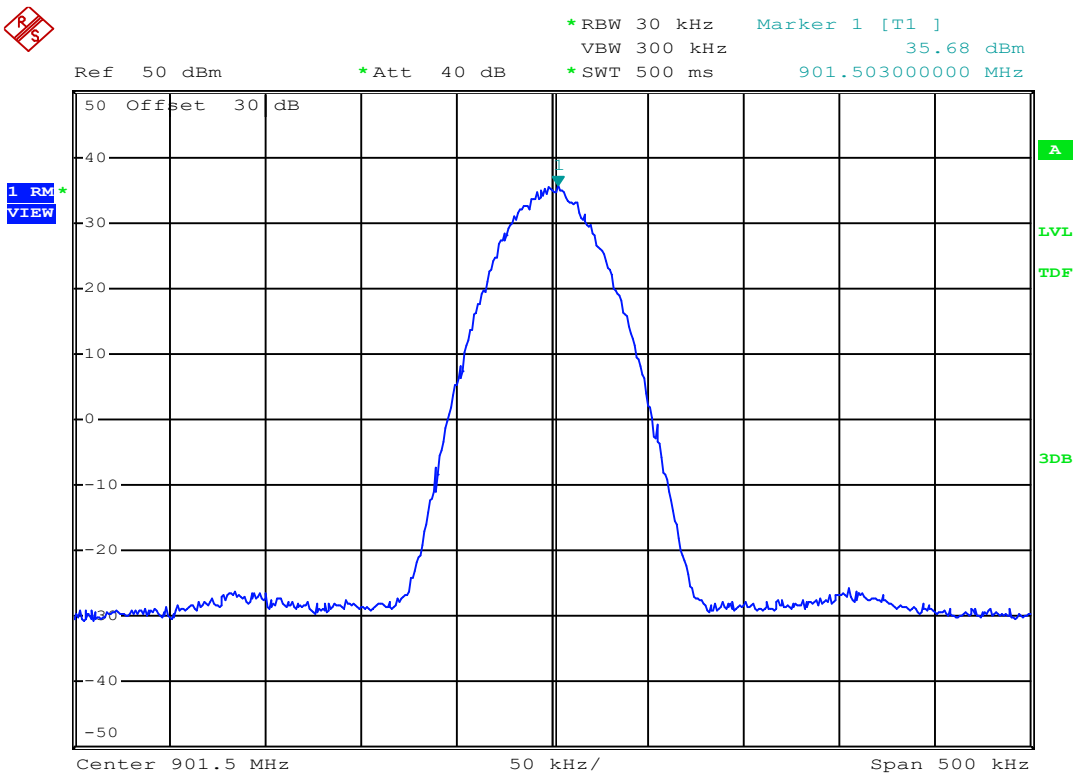
Conducted Power:



Date: 3.OCT.2025 14:20:27

Channel BW:	**12.5 kHz**	**Channel Frequency:**	**901.5 MHz**
Meas. Detector:	**RMS**	**Modulation:**	**QPSK**
Band:	**901-902 MHz**	**Measured Channel Power:**	**37.76 dBm**

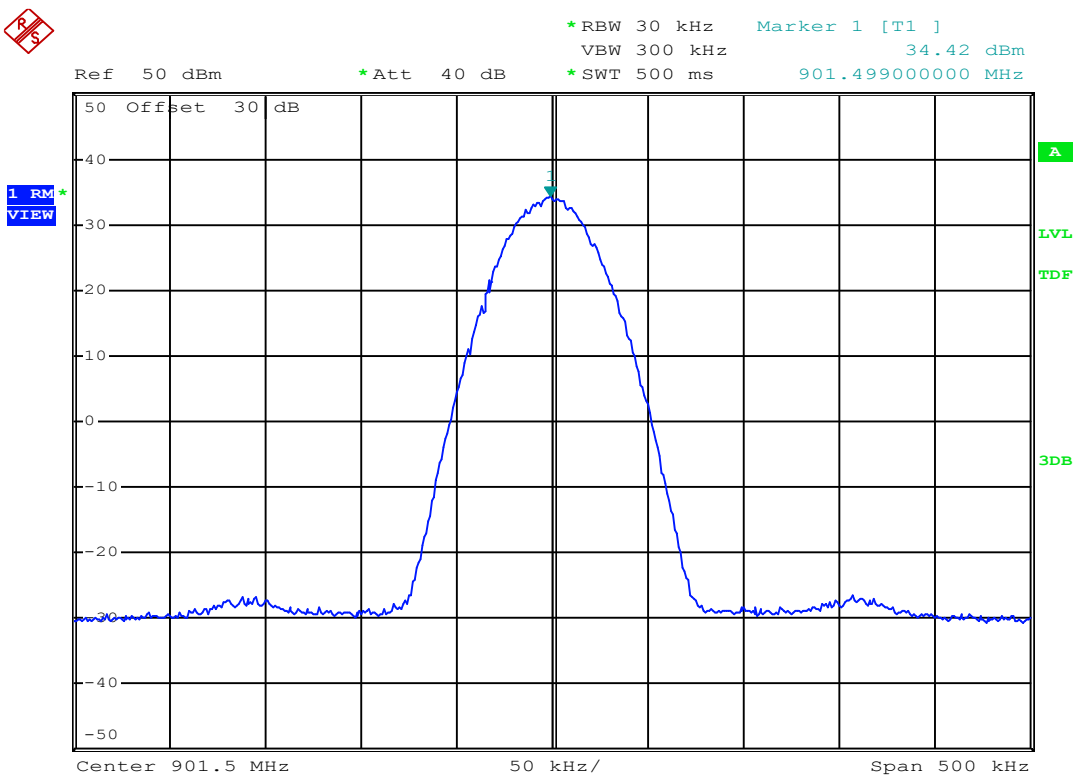
Conducted Power:



Date: 3.OCT.2025 14:21:30

Channel BW:	12.5	kHz	**Channel Frequency:**	901.5	MHz
Meas. Detector:	RMS		**Modulation:**	16QAM	
Band:	901-902	MHz	**Measured Channel Power:**	35.68	dBm

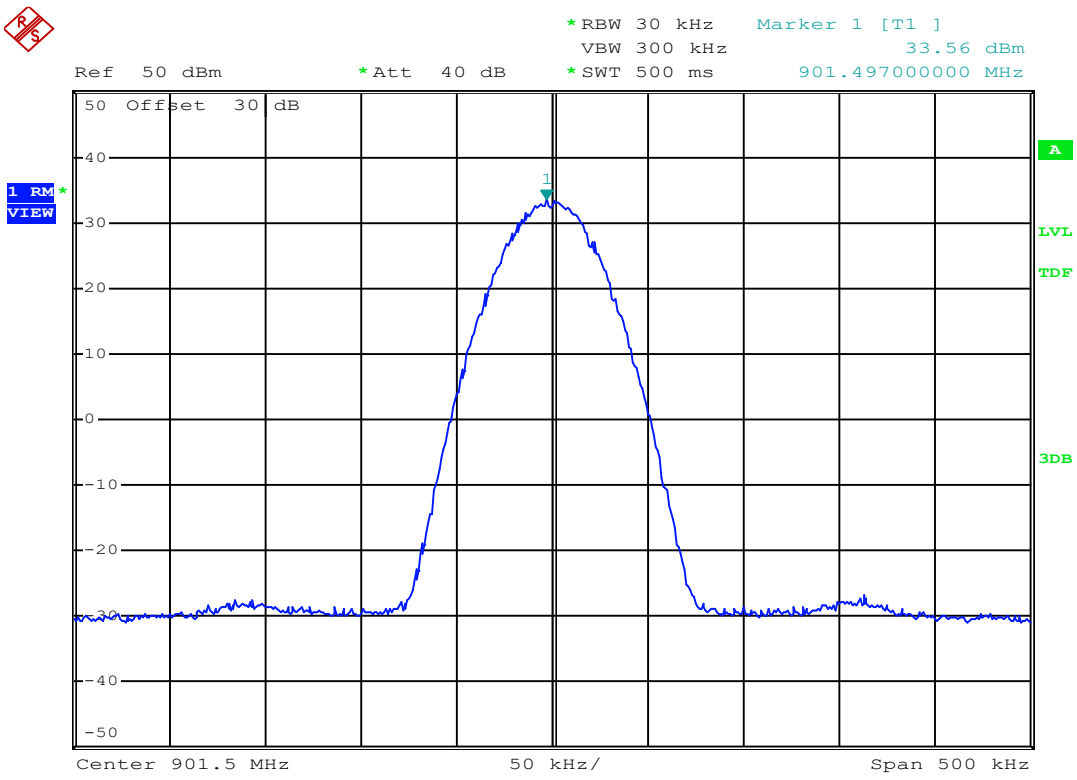
Conducted Power:



Date: 3.OCT.2025 14:22:02

Channel BW:	**12.5**	**kHz**	**Channel Frequency:**	**901.5**	**MHz**
Meas. Detector:	**RMS**		**Modulation:**	**64QAM**	
Band:	**901-902**	**MHz**	**Measured Channel Power:**	**34.42**	**dBm**

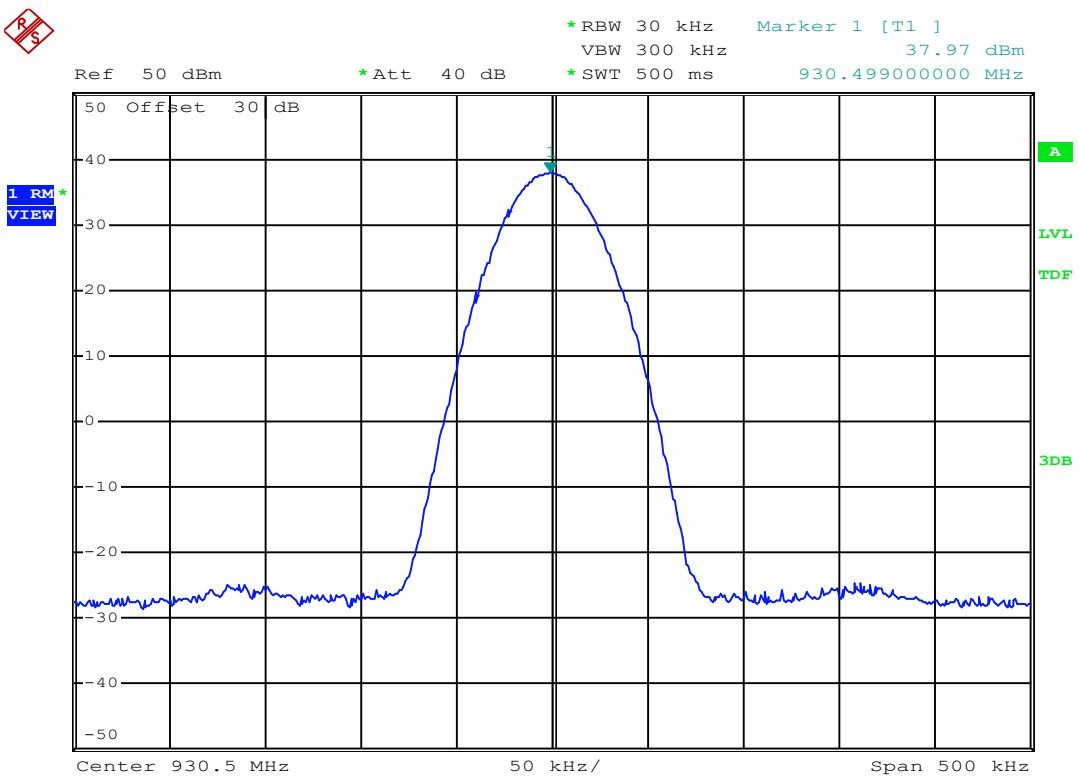
Conducted Power:



Date: 3.OCT.2025 14:22:40

Channel BW:	12.5	kHz	**Channel Frequency:**	901.5	MHz
Meas. Detector:	RMS		**Modulation:**	256QAM	
Band:	901-902	MHz	**Measured Channel Power:**	33.56	dBm

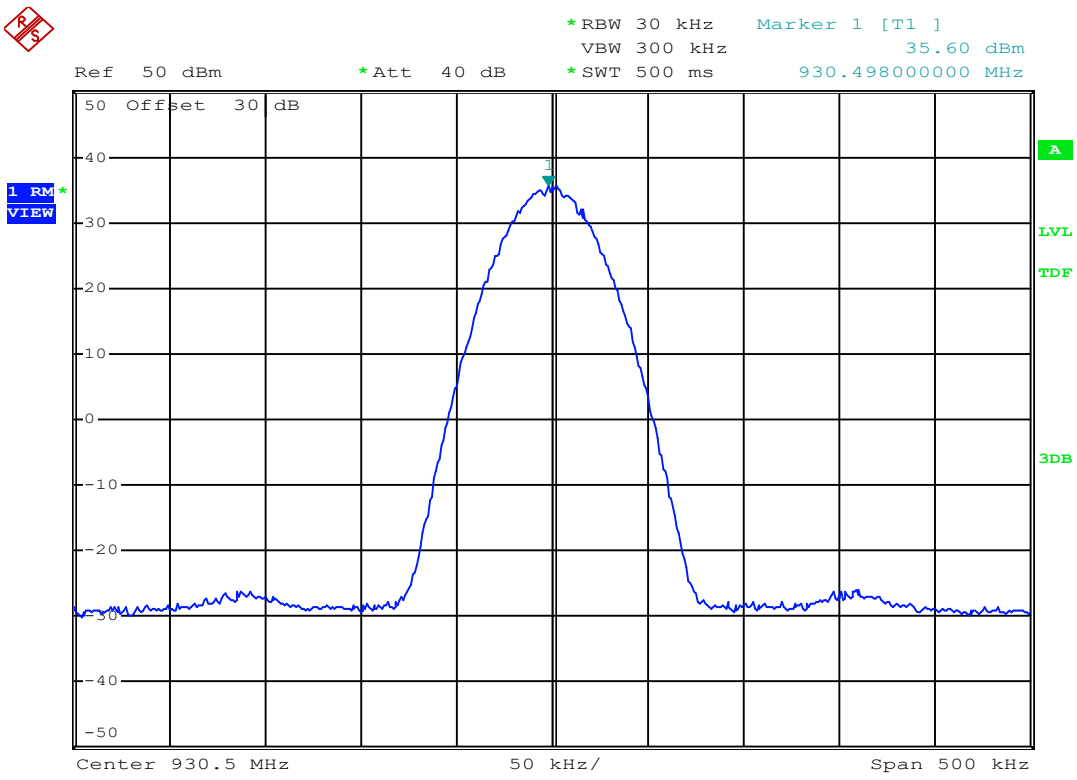
Conducted Power:



Date: 3.OCT.2025 14:23:43

Channel BW:	**12.5 kHz**	**Channel Frequency:**	**930.5 MHz**
Meas. Detector:	**RMS**	**Modulation:**	**QPSK**
Band:	**930-931 MHz**	**Measured Channel Power:**	**37.97 dBm**

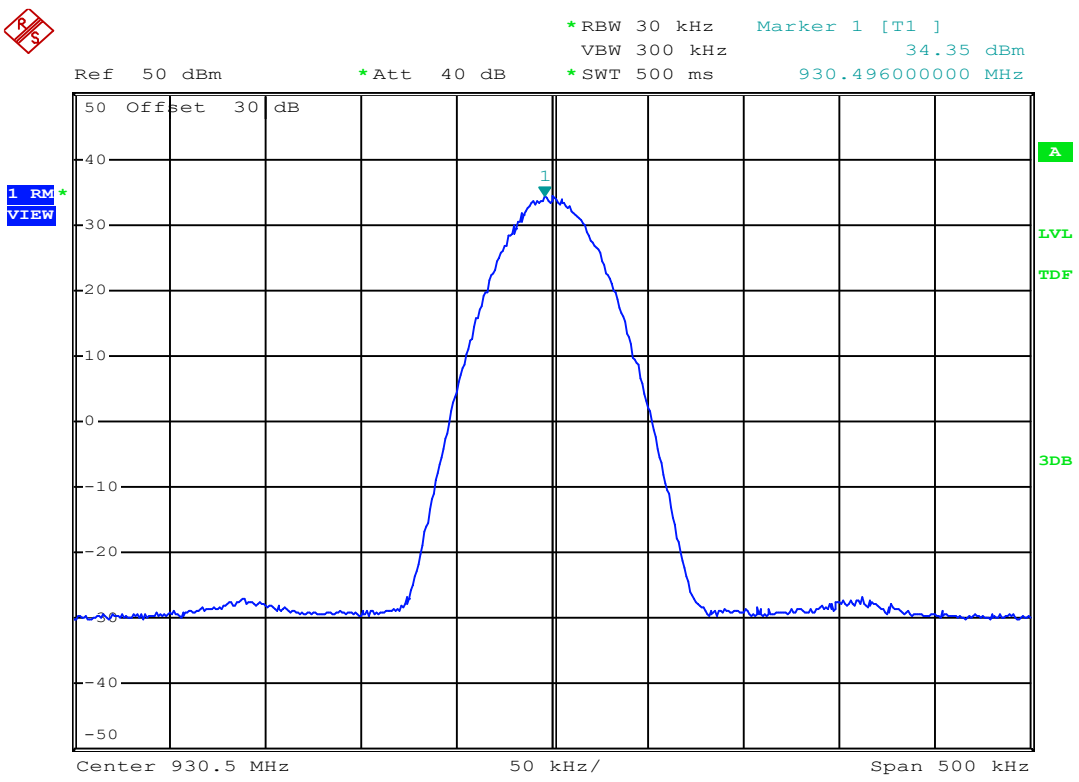
Conducted Power:



Date: 3.OCT.2025 14:24:16

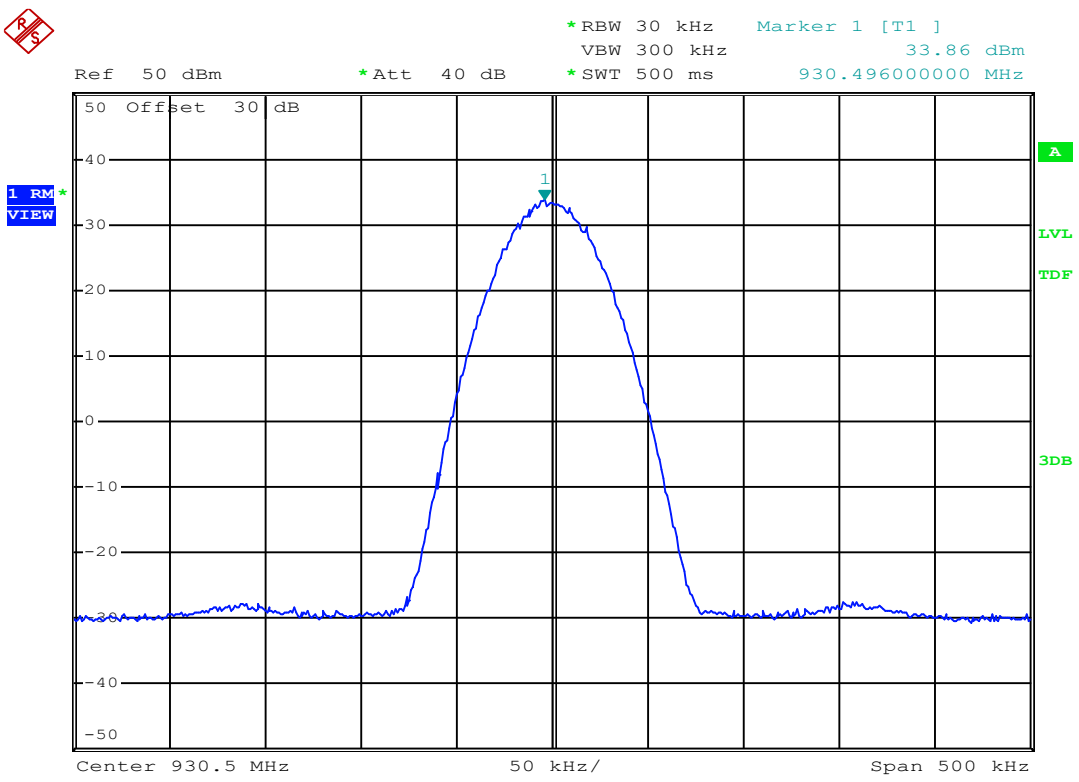
Channel BW:	12.5 kHz	**Channel Frequency:**	930.5 MHz
Meas. Detector:	RMS	**Modulation:**	16QAM
Band:	930-931 MHz	**Measured Channel Power:**	35.6 dBm

Conducted Power:



Channel BW:	12.5 kHz	**Channel Frequency:**	930.5 MHz
Meas. Detector:	RMS	**Modulation:**	64QAM
Band:	930-931 MHz	**Measured Channel Power:**	34.35 dBm

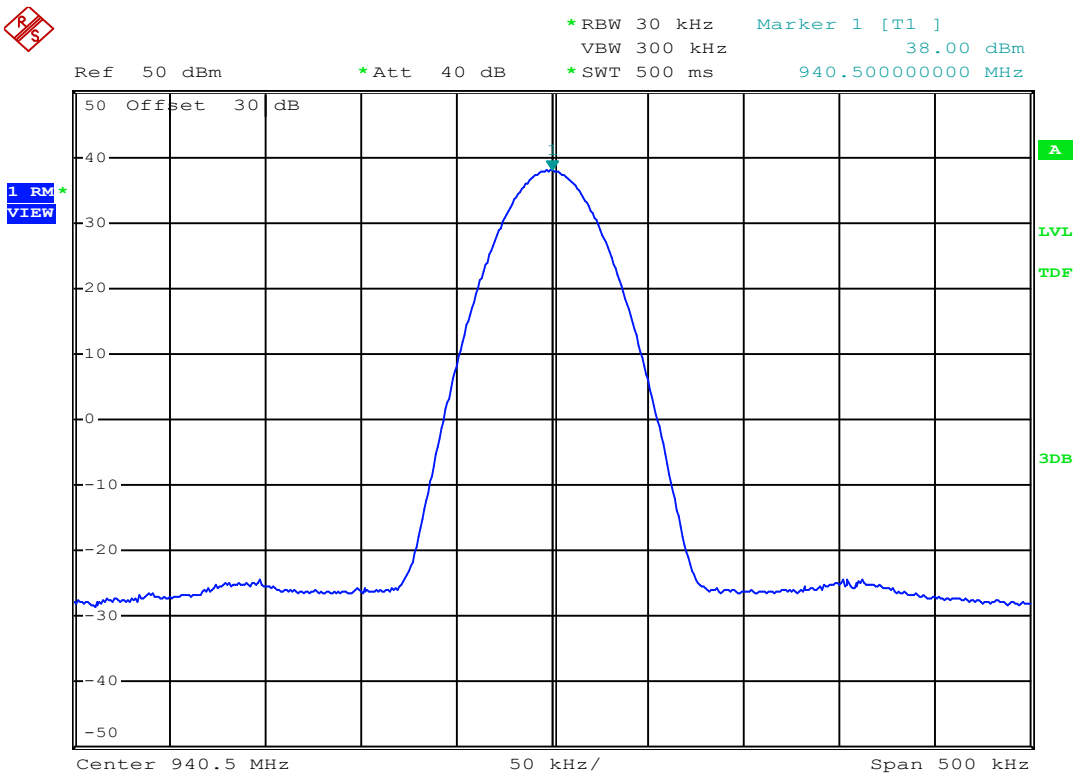
Conducted Power:



Date: 3.OCT.2025 14:25:25

Channel BW:	12.5 kHz	**Channel Frequency:**	930.5 MHz
Meas. Detector:	RMS	**Modulation:**	256QAM
Band:	930-931 MHz	**Measured Channel Power:**	33.86 dBm

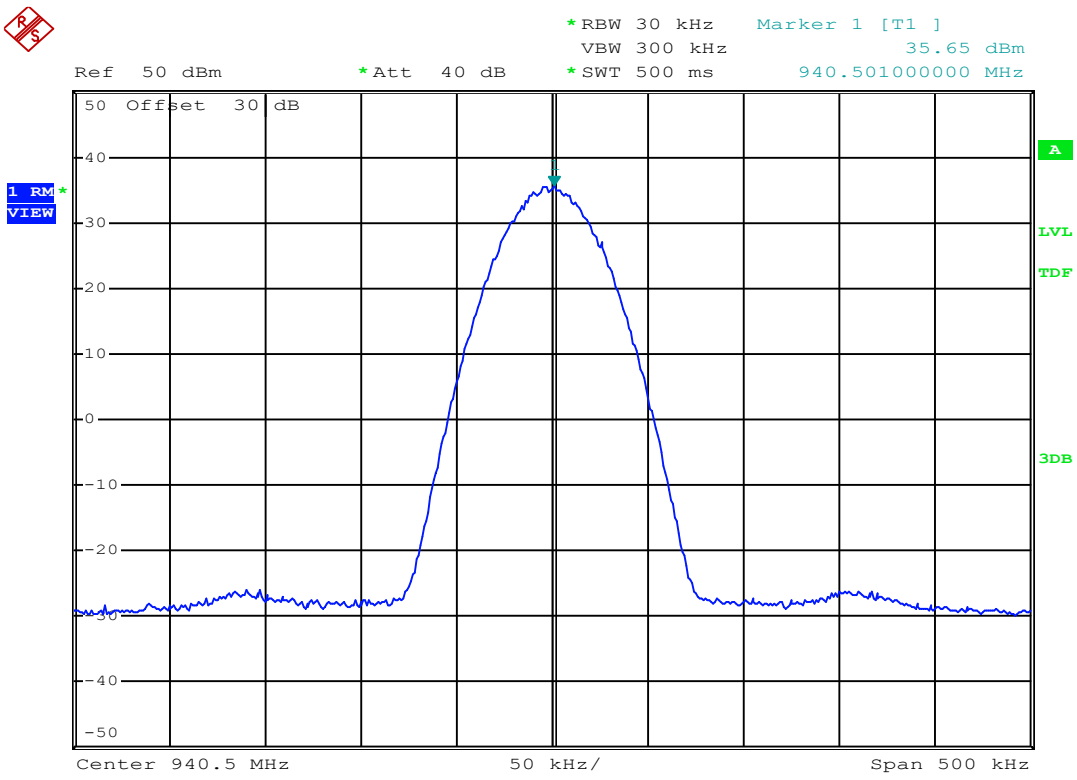
Conducted Power:



Date: 3.OCT.2025 14:27:36

Channel BW:	12.5 kHz	**Channel Frequency:**	940.5 MHz
Meas. Detector:	RMS	**Modulation:**	QPSK
Band:	940-941 MHz	**Measured Channel Power:**	38 dBm

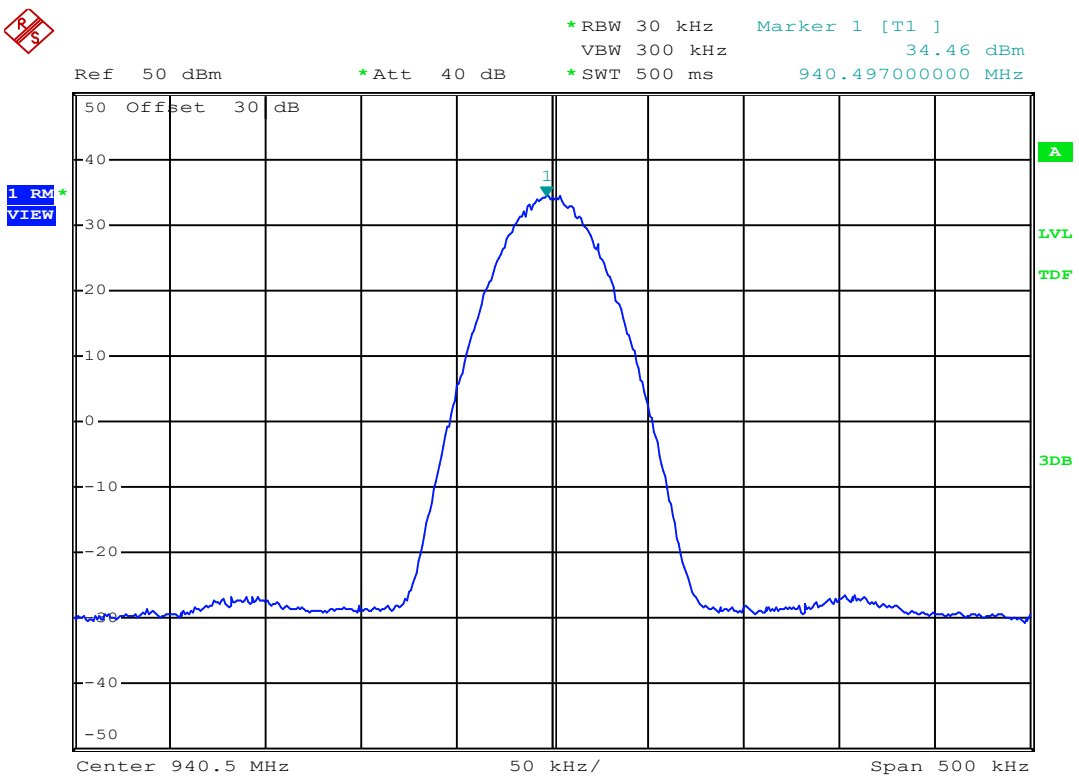
Conducted Power:



Date: 3.OCT.2025 14:52:27

Channel BW:	12.5 kHz	**Channel Frequency:**	940.5 MHz
Meas. Detector:	RMS	**Modulation:**	16QAM
Band:	940-941 MHz	**Measured Channel Power:**	35.63 dBm

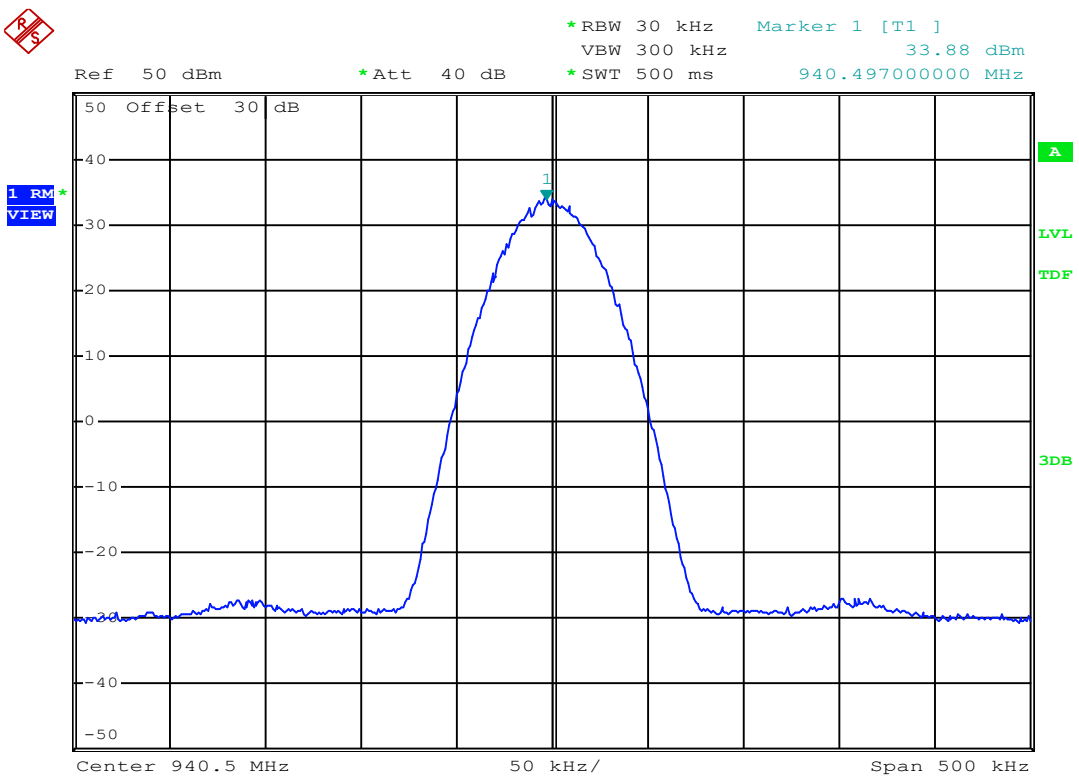
Conducted Power:



Date: 3.OCT.2025 14:53:48

Channel BW:	**12.5**	**kHz**	**Channel Frequency:**	**940.5**	**MHz**
Meas. Detector:	**RMS**		**Modulation:**	**64QAM**	
Band:	**940-941**	**MHz**	**Measured Channel Power:**	**34.46**	**dBm**

Conducted Power:



Date: 3.OCT.2025 14:56:01

Channel BW:	**12.5**	**kHz**	**Channel Frequency:**	**940.5**	**MHz**
Meas. Detector:	**RMS**		**Modulation:**	**256QAM**	
Band:	**940-941**	**MHz**	**Measured Channel Power:**	**33.88**	**dBm**

Conducted Power Measurement Results: FCC Part 24

Frequency Band (MHz)	Channel Frequency (MHz)	Channel Bandwidth (kHz)	Modulation	Meas. Detector	Measured Power [1] [P_{Meas}] (dBm)	Antenna Gain [G] (dBd)	ERP Power [P_{erp}] (dBm)	Limit [P_{Lim}] (dBm)	Margin (dB)
901-902	901.5	25.00	QPSK	RMS	37.51	0.50	38.01	38.5	0.5
			16QAM		34.95		35.45		3.1
			64QAM		34.33		34.83		3.7
			256QAM		33.55		34.05		4.5
930-931	930.5		QPSK		37.60		38.10	65.4	27.3
			16QAM		35.67		36.17		29.2
			64QAM		34.33		34.83		30.6
			256QAM		33.77		34.27		31.1
940-941	940.5		QPSK		37.74		38.24		27.2
			16QAM		35.59		36.09		29.3
			64QAM		34.25		34.75		30.7
			256QAM		33.44		33.94		31.5
								Result:	Complies

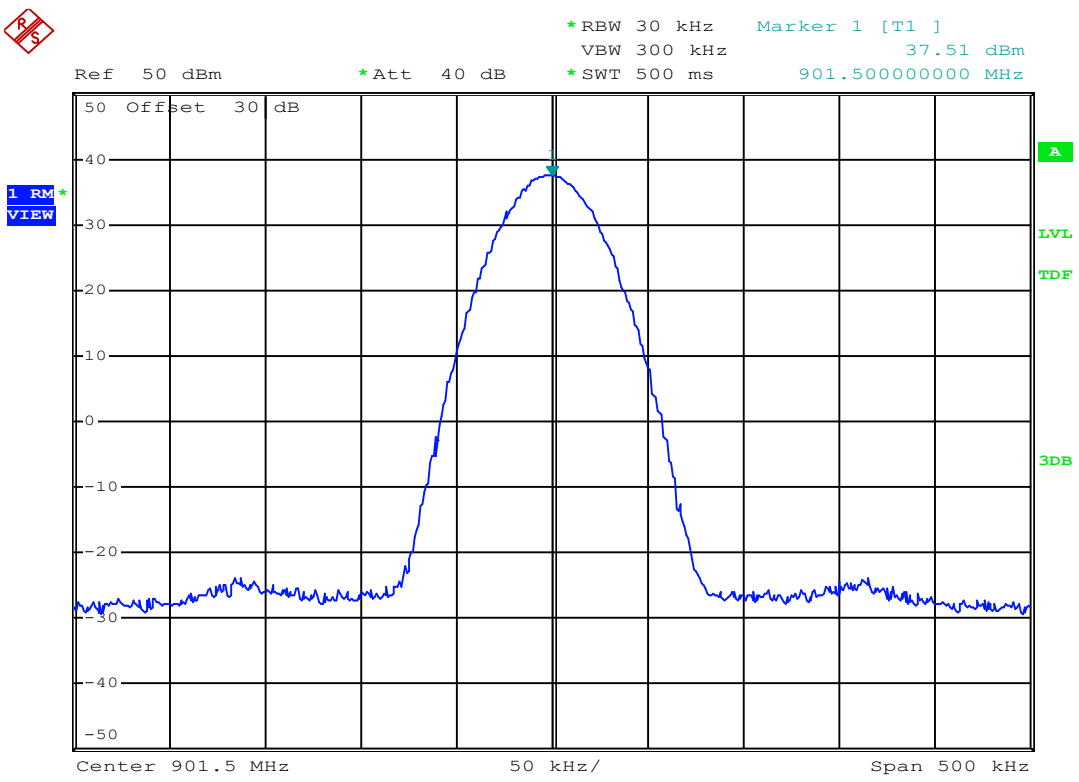
(1) Path Loss, including cable, attenuator and connectors, accounted for in the instrument's Transducer Factor (TDF)
Approximate Path Loss (worst case) = 0.6dB @1GHz

ERP [P_{erp}] = [P_{meas}] + [G](dBd)

Margin = [P_{lim}] - [P_{erp}]

Note: Maximum Output Power is field-programable.

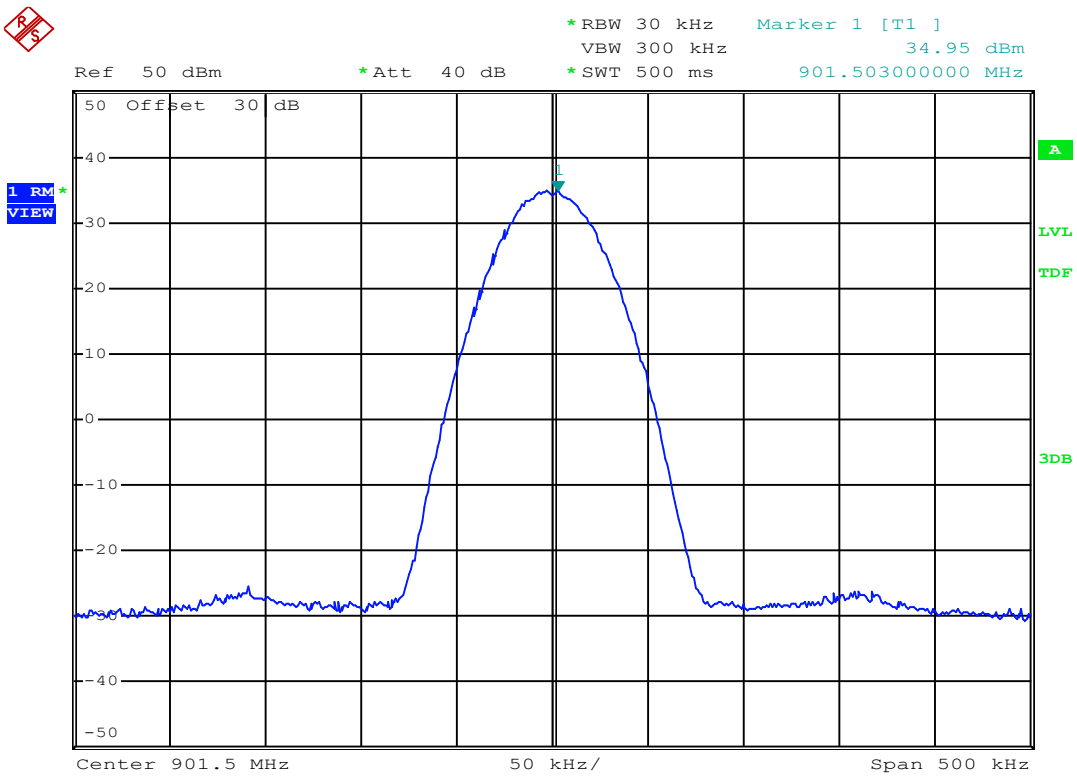
Conducted Power:



Date: 3.OCT.2025 15:06:48

Channel BW:	**25** kHz	**Channel Frequency:**	**901.5** MHz
Meas. Detector:	**RMS**	**Modulation:**	**QPSK**
Band:	**901-902** MHz	**Measured Channel Power:**	**37.51** dBm

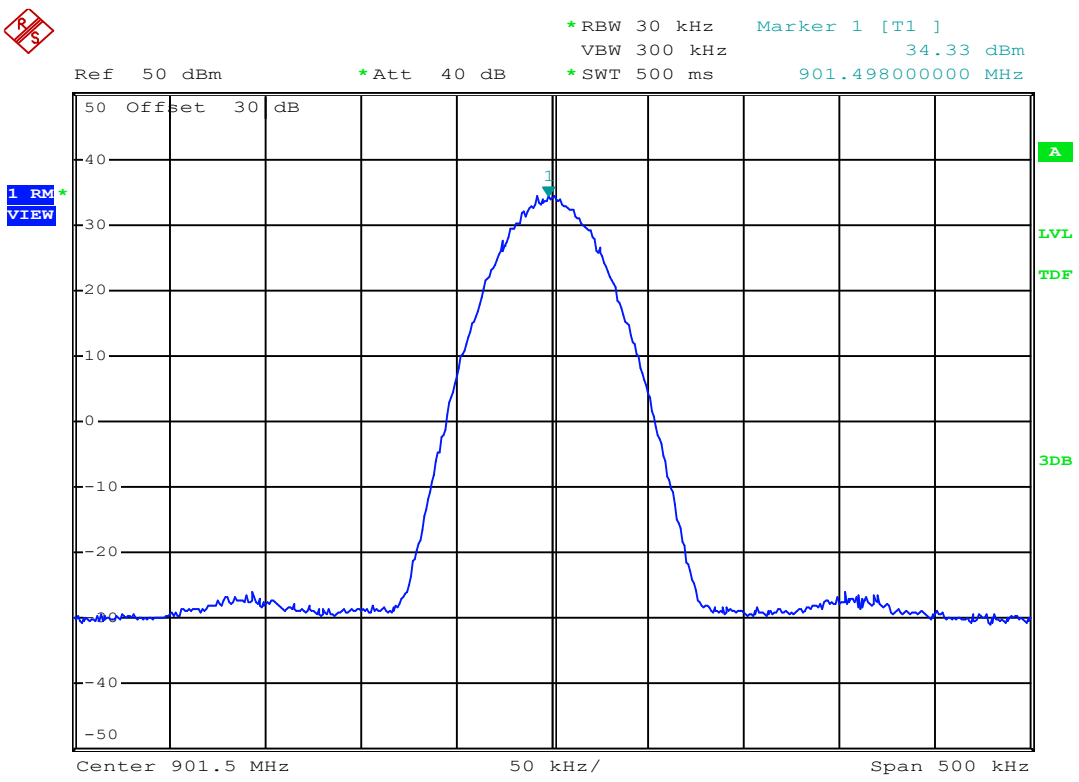
Conducted Power:



Date: 3.OCT.2025 15:07:28

Channel BW:	25	kHz	**Channel Frequency:**	901.5	MHz
Meas. Detector:	RMS		**Modulation:**	16QAM	
Band:	901-902	MHz	**Measured Channel Power:**	34.95	dBm

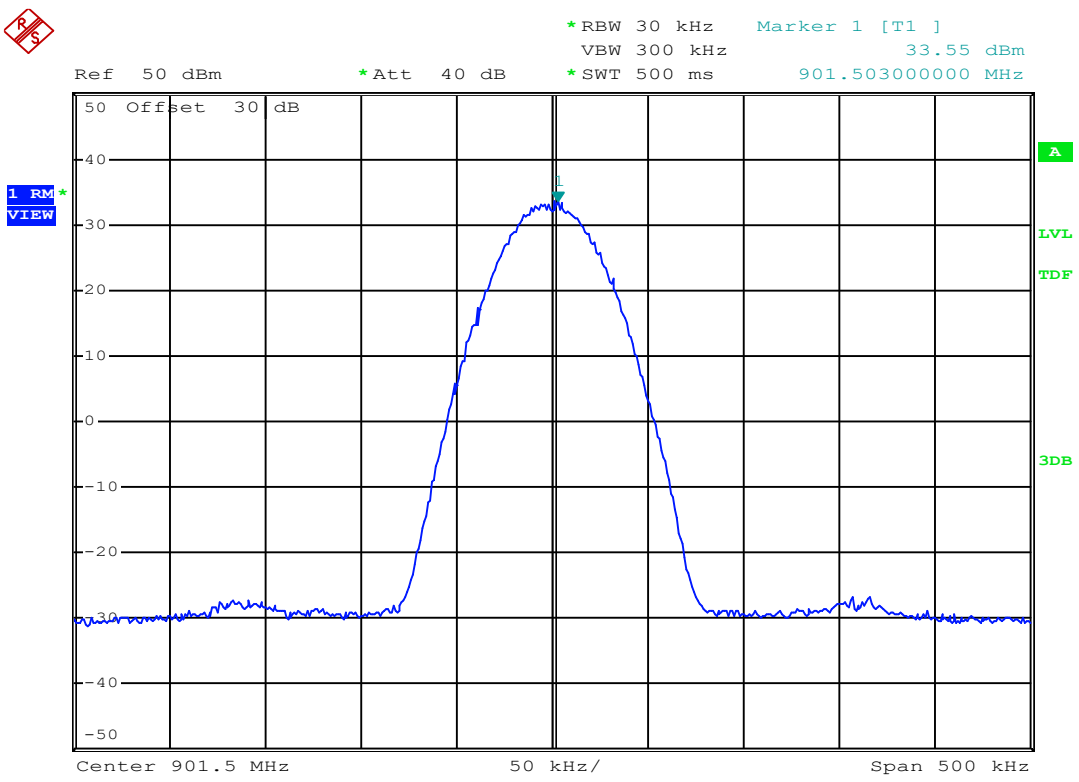
Conducted Power:



Date: 3.OCT.2025 15:08:05

Channel BW:	25	kHz	**Channel Frequency:**	901.5	MHz
Meas. Detector:	RMS		**Modulation:**	64QAM	
Band:	901-902	MHz	**Measured Channel Power:**	34.33	dBm

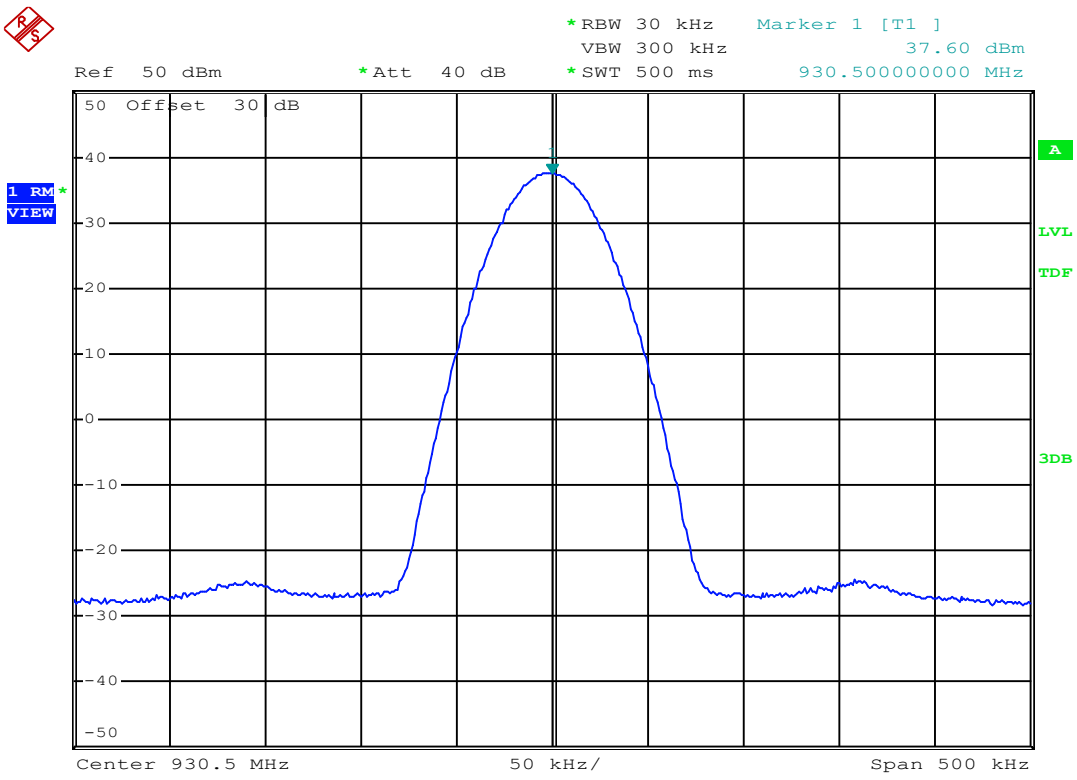
Conducted Power:



Date: 3.OCT.2025 15:08:44

Channel BW:	25 kHz	**Channel Frequency:**	901.5 MHz
Meas. Detector:	RMS	**Modulation:**	256QAM
Band:	901-902 MHz	**Measured Channel Power:**	33.55 dBm

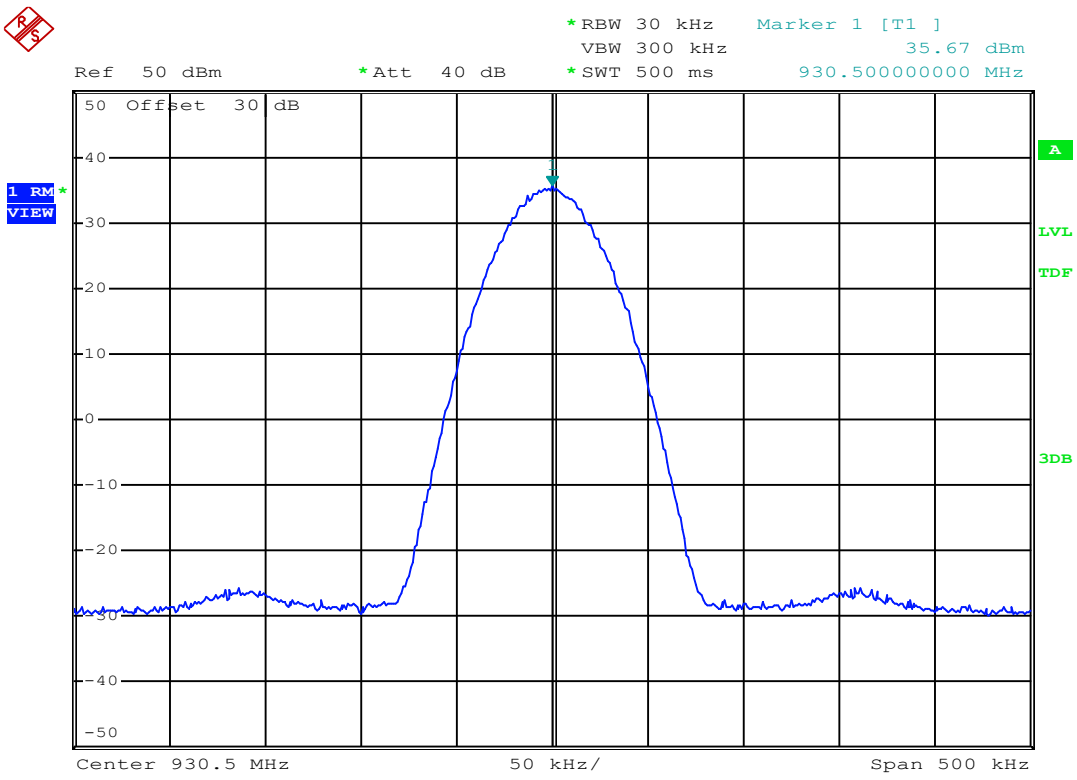
Conducted Power:



Date: 3.OCT.2025 15:09:41

Channel BW:	25 kHz	**Channel Frequency:**	930.5 MHz
Meas. Detector:	RMS	**Modulation:**	QPSK
Band:	930-931 MHz	**Measured Channel Power:**	37.6 dBm

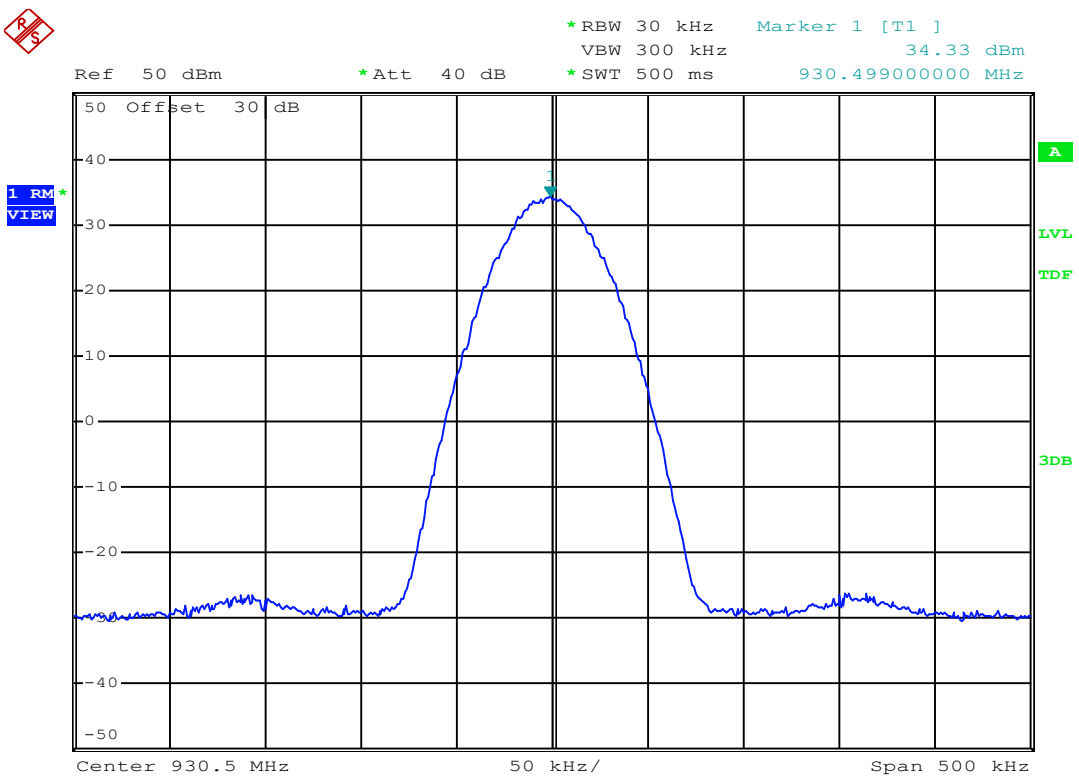
Conducted Power:



Date: 3.OCT.2025 15:10:15

Channel BW:	25 kHz	**Channel Frequency:**	930.5 MHz
Meas. Detector:	RMS	**Modulation:**	16QAM
Band:	930-931 MHz	**Measured Channel Power:**	35.67 dBm

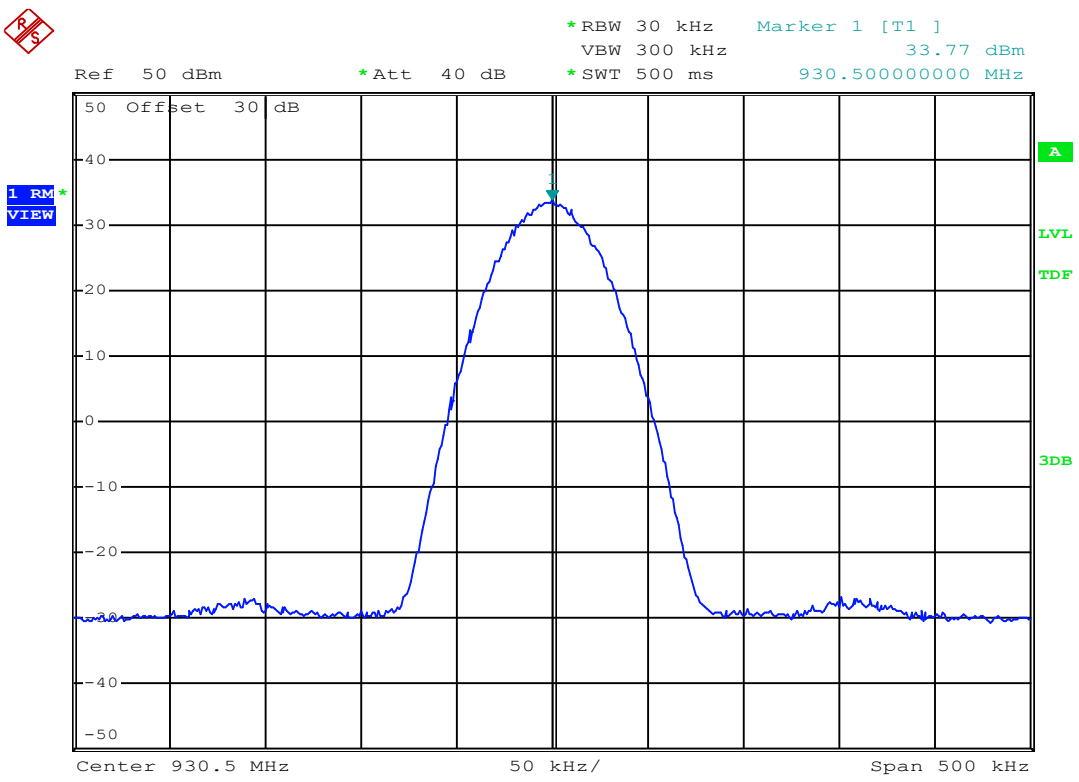
Conducted Power:



Date: 3.OCT.2025 15:12:02

Channel BW:	25	kHz	**Channel Frequency:**	930.5	MHz
Meas. Detector:	RMS		**Modulation:**	64QAM	
Band:	930-931	MHz	**Measured Channel Power:**	34.33	dBm

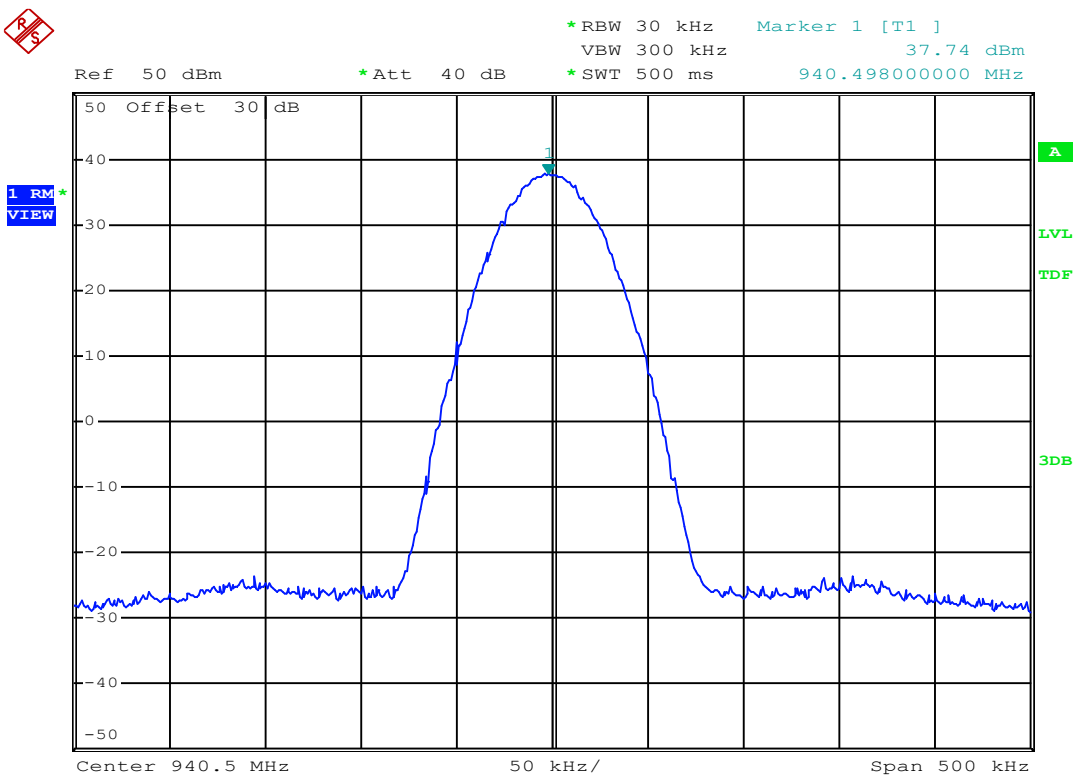
Conducted Power:



Date: 3.OCT.2025 15:12:36

Channel BW:	25 kHz	**Channel Frequency:**	930.5 MHz
Meas. Detector:	RMS	**Modulation:**	256QAM
Band:	930-931 MHz	**Measured Channel Power:**	33.77 dBm

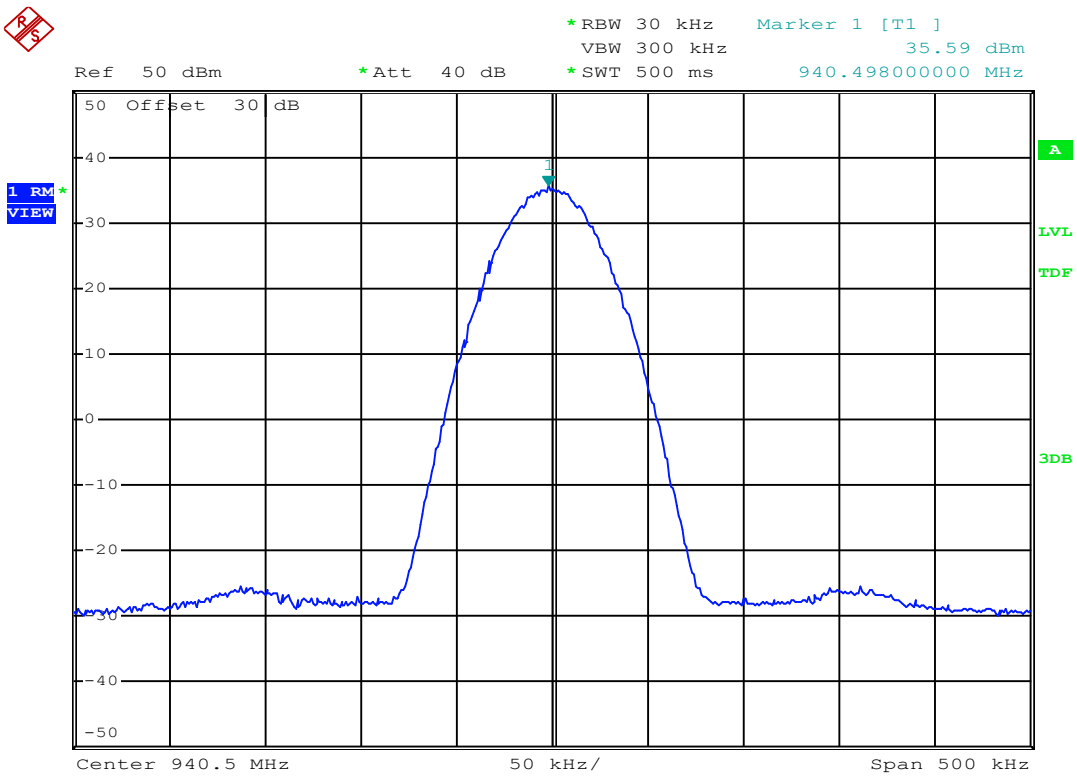
Conducted Power:



Date: 3.OCT.2025 15:13:26

Channel BW:	25 kHz	**Channel Frequency:**	940.5 MHz
Meas. Detector:	RMS	**Modulation:**	QPSK
Band:	940-941 MHz	**Measured Channel Power:**	37.74 dBm

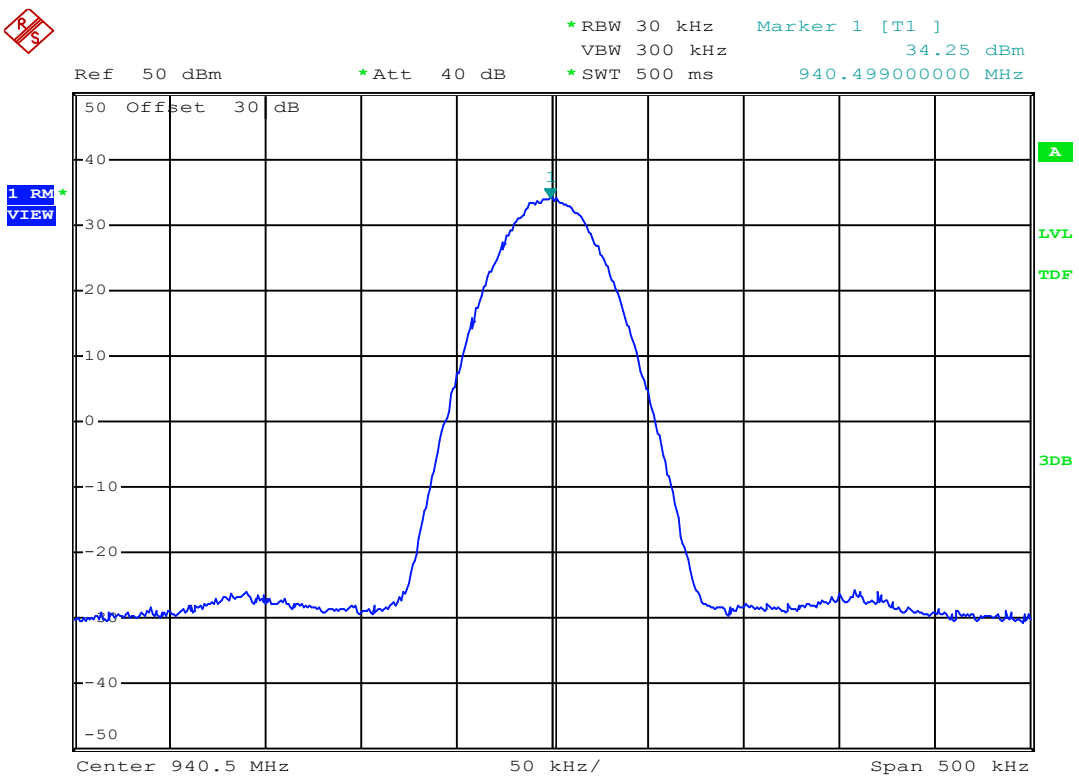
Conducted Power:



Date: 3.OCT.2025 15:14:10

Channel BW:	25 kHz	**Channel Frequency:**	940.5 MHz
Meas. Detector:	RMS	**Modulation:**	16QAM
Band:	940-941 MHz	**Measured Channel Power:**	35.59 dBm

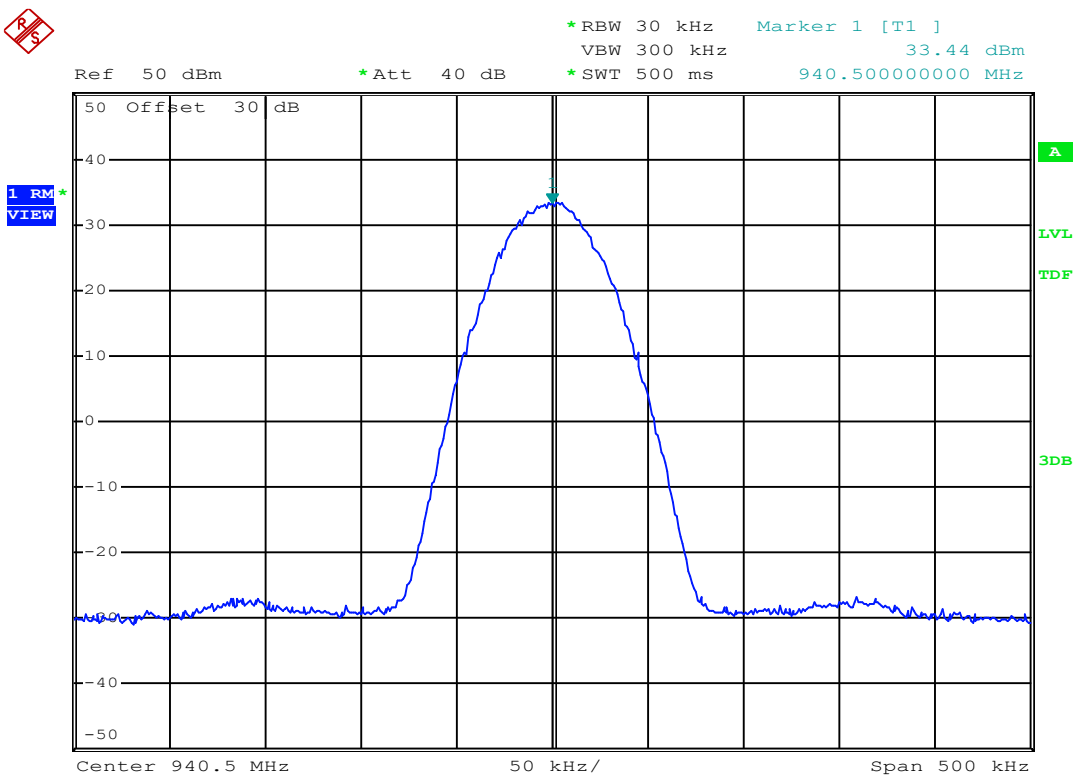
Conducted Power:



Date: 3.OCT.2025 15:14:54

Channel BW:	**25 kHz**	**Channel Frequency:**	**940.5 MHz**
Meas. Detector:	**RMS**	**Modulation:**	**64QAM**
Band:	**940-941 MHz**	**Measured Channel Power:**	**34.25 dBm**

Conducted Power:



Date: 3.OCT.2025 15:15:27

Channel BW:	25 kHz	**Channel Frequency:**	940.5 MHz
Meas. Detector:	RMS	**Modulation:**	256QAM
Band:	940-941 MHz	**Measured Channel Power:**	33.44 dBm

Conducted Power Measurement Results: FCC Part 24									
Frequency Band (MHz)	**Channel Frequency (MHz)**	**Channel Bandwidth (kHz)**	**Modulation**	**Meas. Detector**	**Measured Power (1) [P_{Meas}] (dBm)**	**Antenna Gain [G] (dBd)**	**ERP Power [P_{erp}] (dBm)**	**Limit [P_{Lim}] (dBm)**	**Margin (dB)**
901-902	901.5	50.00	QPSK	RMS	37.77	0.50	38.27	38.5	0.2
			16QAM		35.34		35.84		2.7
			64QAM		34.37		34.87		3.6
			256QAM		33.56		34.06		4.4
930-931	930.5		QPSK		37.82		38.32	65.4	27.1
			16QAM		35.39		35.89		29.5
			64QAM		34.31		34.81		30.6
			256QAM		33.81		34.31		31.1
940-941	940.5		QPSK		37.93		38.43		27.0
			16QAM		35.84		36.34		29.1
			64QAM		34.44		34.94		30.5
			256QAM		33.87		34.37		31.0
								Result:	**Complies**

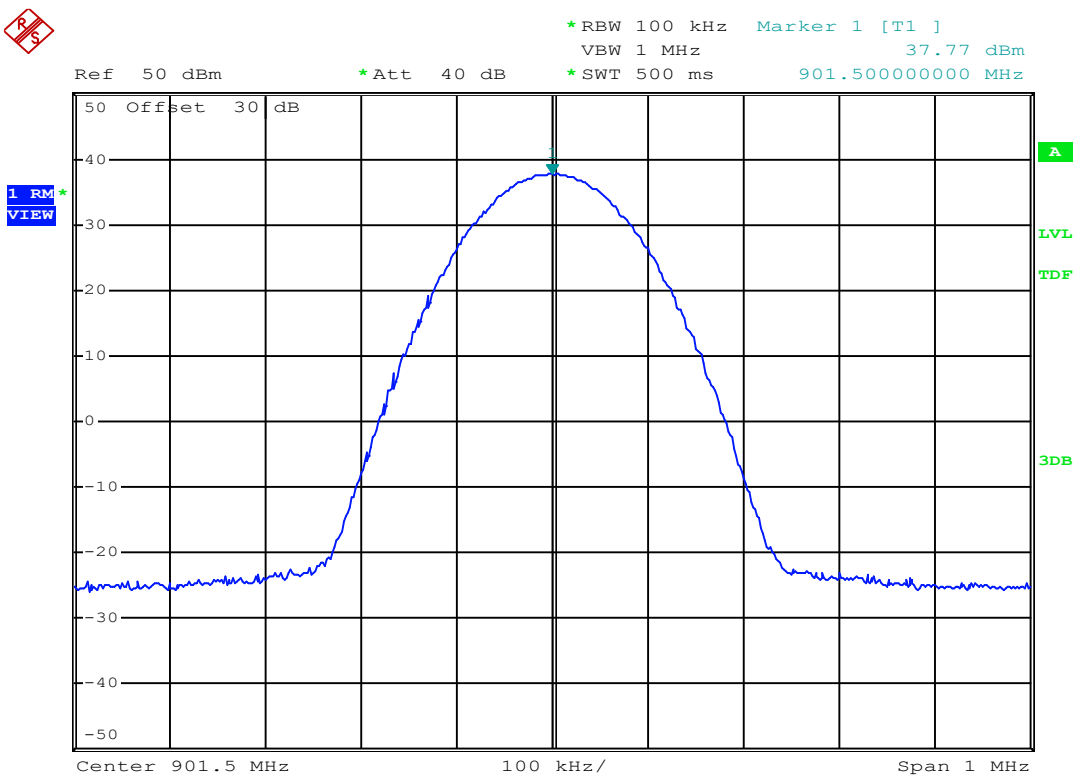
(1) Path Loss, including cable, attenuator and connectors, accounted for in the instrument's Transducer Factor (TDF)
Approximate Path Loss (worst case) = 0.6dB @1GHz

ERP [P_{erp}] = [P_{meas}] + [G](dBd)

Margin = [P_{lim}] - [P_{erp}]

Note: Maximum Output Power is field-programable.

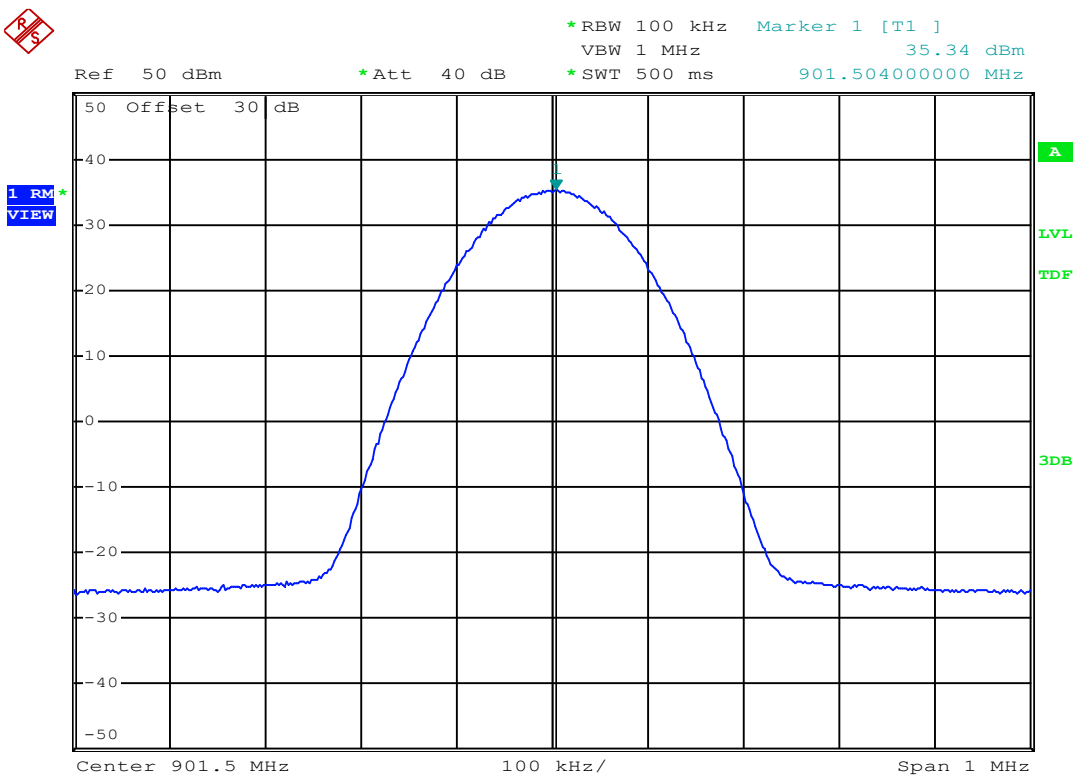
Conducted Power:



Date: 3.OCT.2025 15:19:14

Channel BW:	**50**	**kHz**	**Channel Frequency:**	**901.5**	**MHz**
Meas. Detector:	**RMS**		**Modulation:**	**QPSK**	
Band:	**901-902**	**MHz**	**Measured Channel Power:**	**37.77**	**dBm**

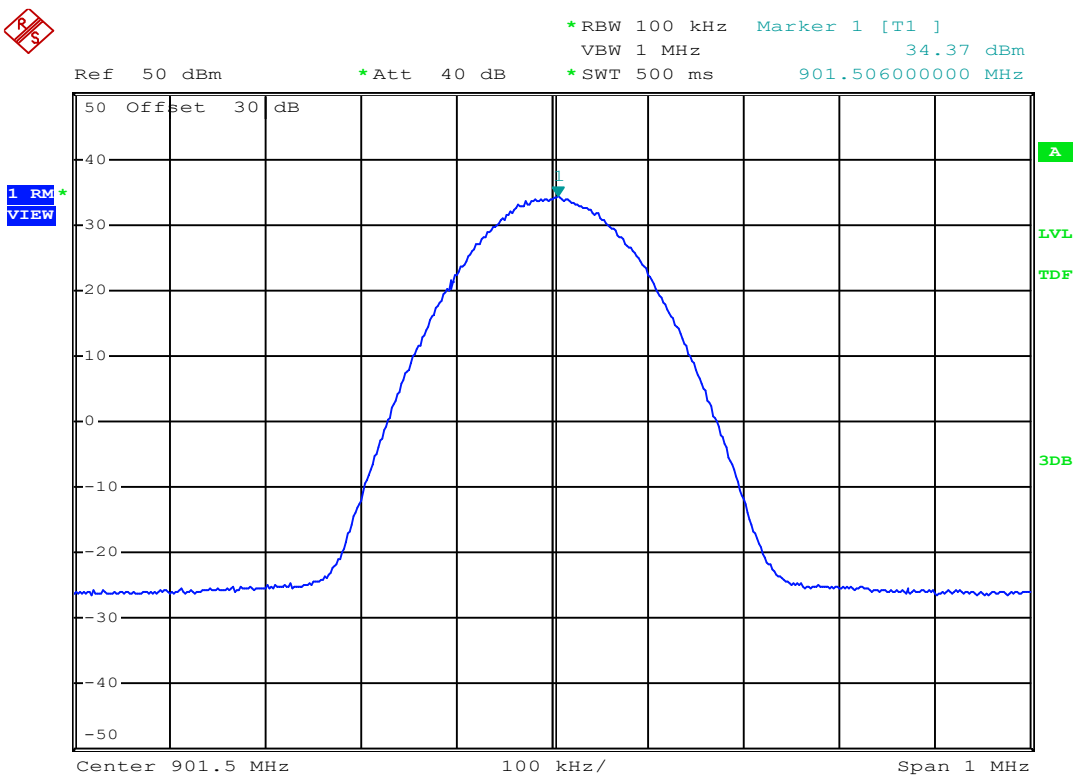
Conducted Power:



Date: 3.OCT.2025 15:19:56

Channel BW:	50	kHz	**Channel Frequency:**	901.5	MHz
Meas. Detector:	RMS		**Modulation:**	16QAM	
Band:	901-902	MHz	**Measured Channel Power:**	35.34	dBm

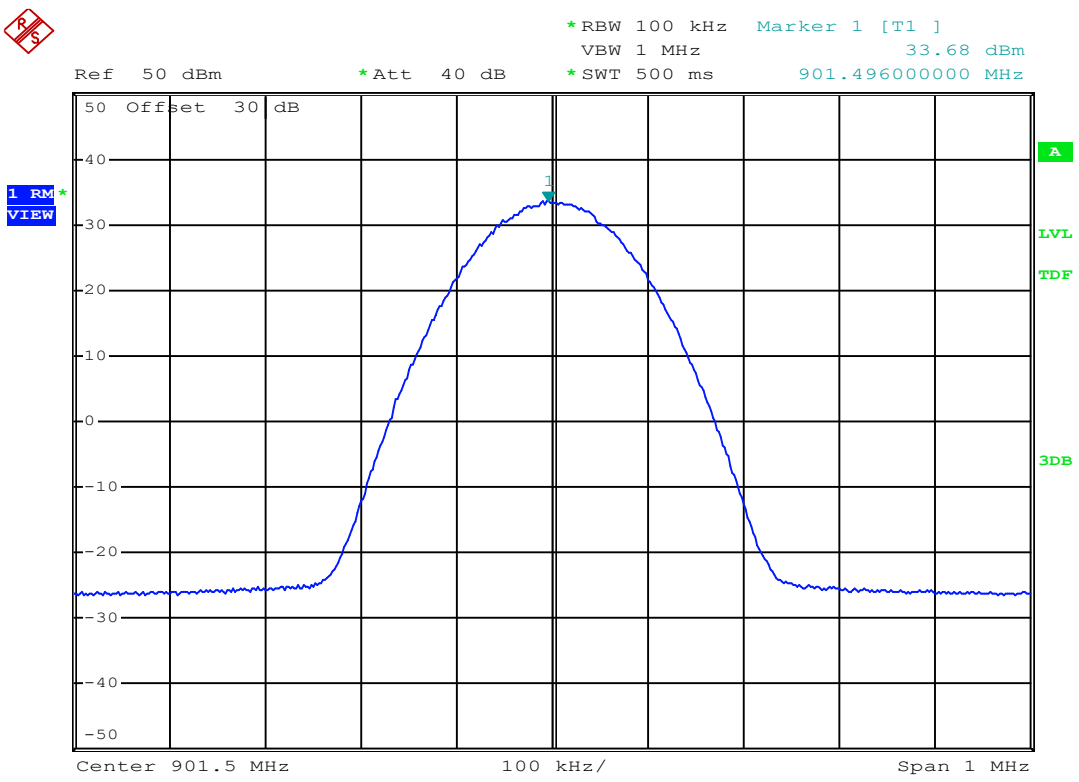
Conducted Power:



Date: 3.OCT.2025 15:20:30

Channel BW:	50	kHz	**Channel Frequency:**	901.5	MHz
Meas. Detector:	RMS		**Modulation:**	64QAM	
Band:	901-902	MHz	**Measured Channel Power:**	34.37	dBm

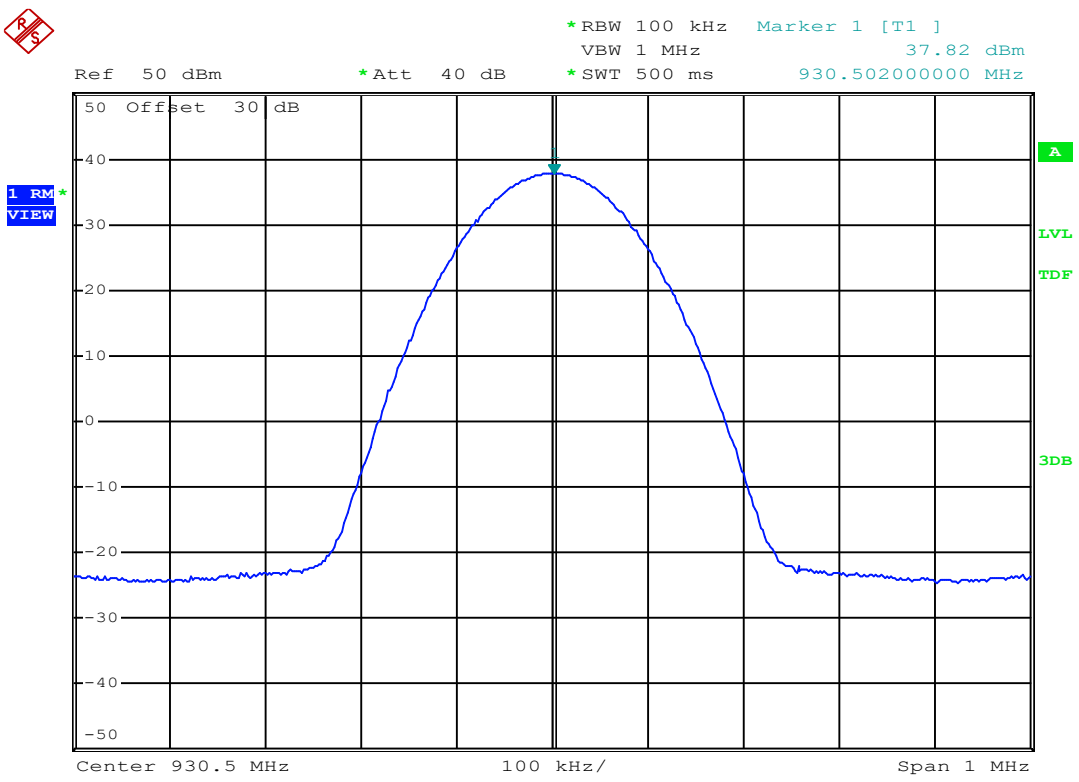
Conducted Power:



Date: 3.OCT.2025 15:21:06

Channel BW:	50 kHz	**Channel Frequency:**	901.5 MHz
Meas. Detector:	RMS	**Modulation:**	256QAM
Band:	901-902 MHz	**Measured Channel Power:**	33.56 dBm

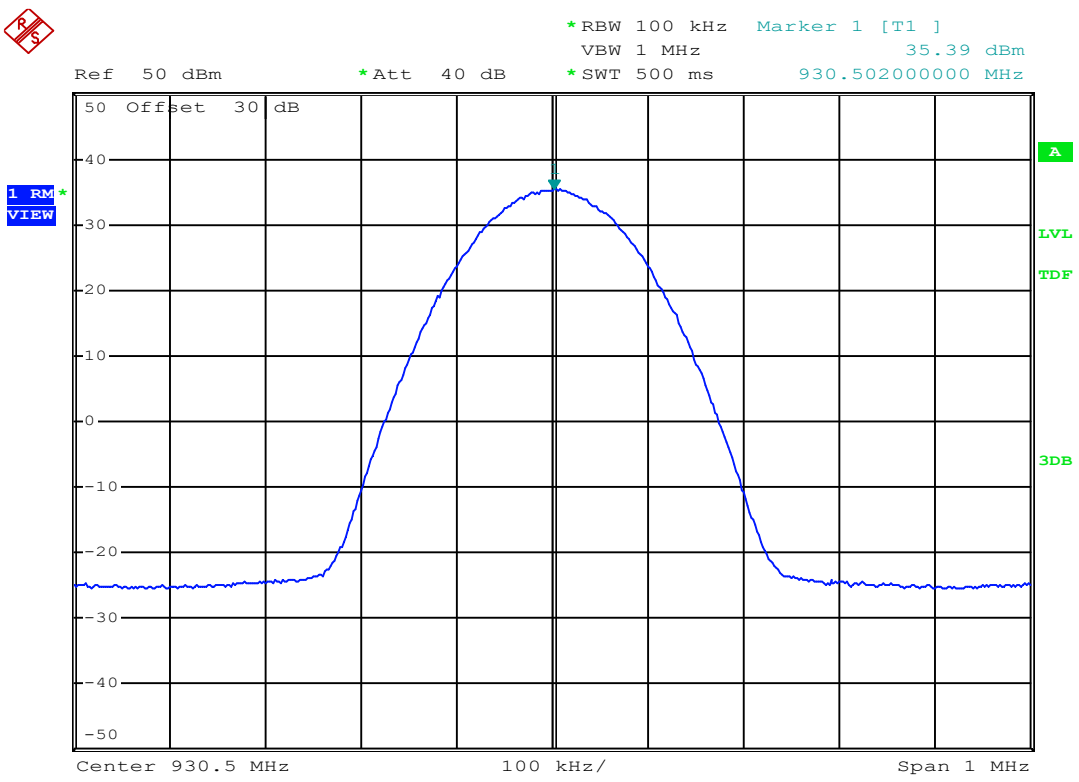
Conducted Power:



Date: 3.OCT.2025 15:22:03

Channel BW:	**50**	**kHz**	**Channel Frequency:**	**930.5**	**MHz**
Meas. Detector:	**RMS**		**Modulation:**	**QPSK**	
Band:	**930-931**	**MHz**	**Measured Channel Power:**	**37.82**	**dBm**

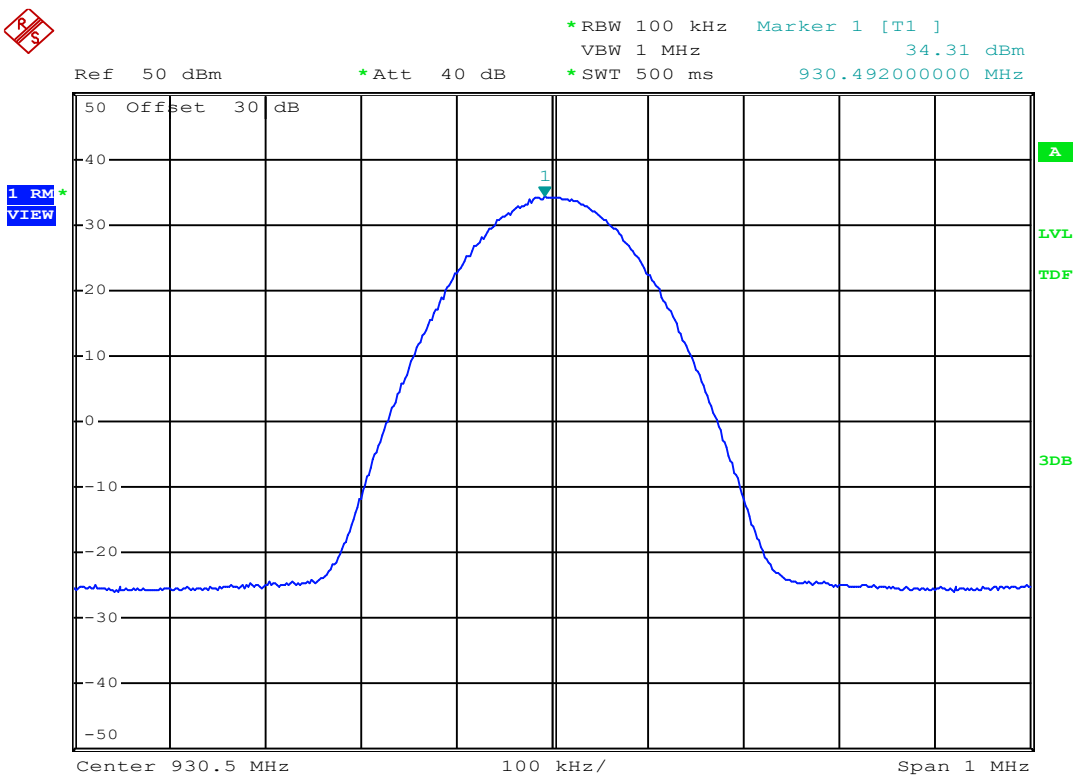
Conducted Power:



Date: 3.OCT.2025 15:22:38

Channel BW:	50 kHz	**Channel Frequency:**	930.5 MHz
Meas. Detector:	RMS	**Modulation:**	16QAM
Band:	930-931 MHz	**Measured Channel Power:**	35.39 dBm

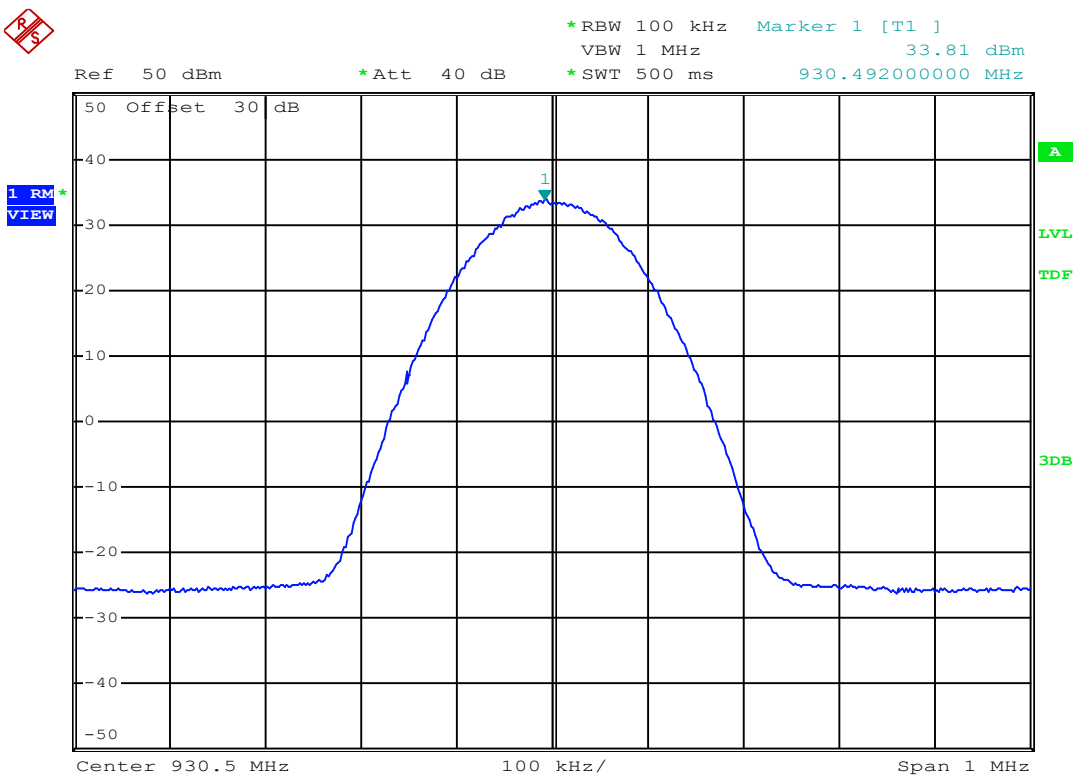
Conducted Power:



Date: 3.OCT.2025 15:23:12

Channel BW:	50 kHz	**Channel Frequency:**	930.5 MHz
Meas. Detector:	RMS	**Modulation:**	64QAM
Band:	930-931 MHz	**Measured Channel Power:**	34.31 dBm

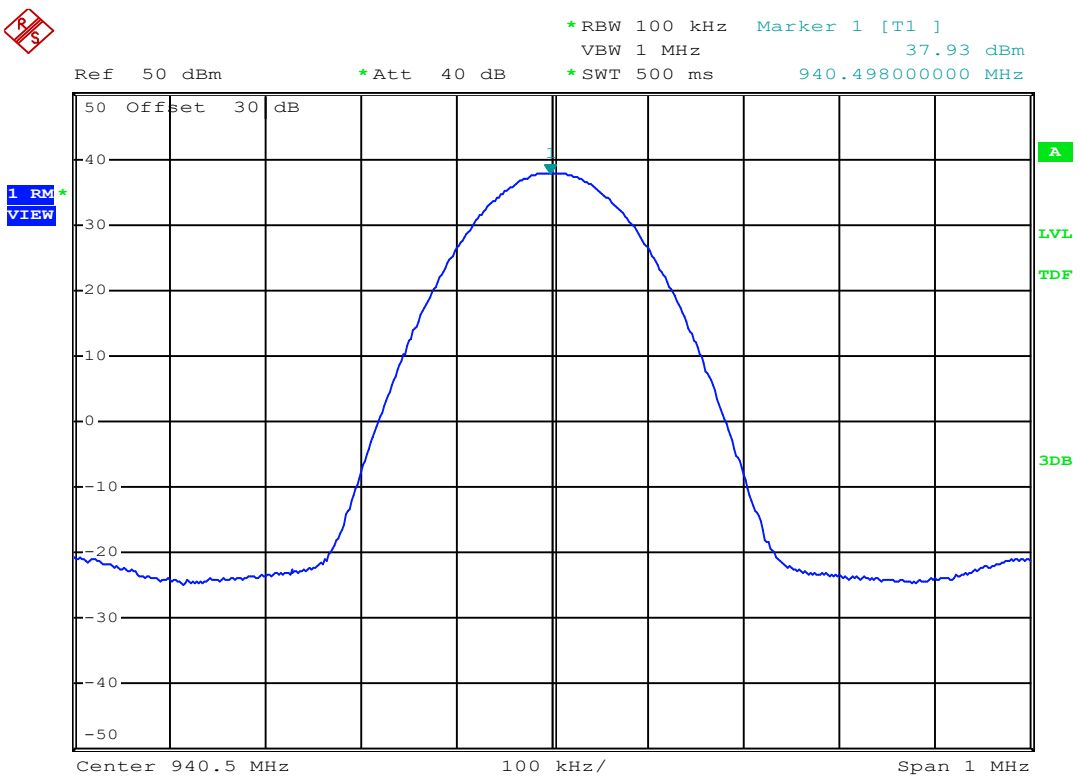
Conducted Power:



Date: 3.OCT.2025 15:23:47

Channel BW:	50	kHz	**Channel Frequency:**	930.5	MHz
Meas. Detector:	RMS		**Modulation:**	256QAM	
Band:	930-931	MHz	**Measured Channel Power:**	33.81	dBm

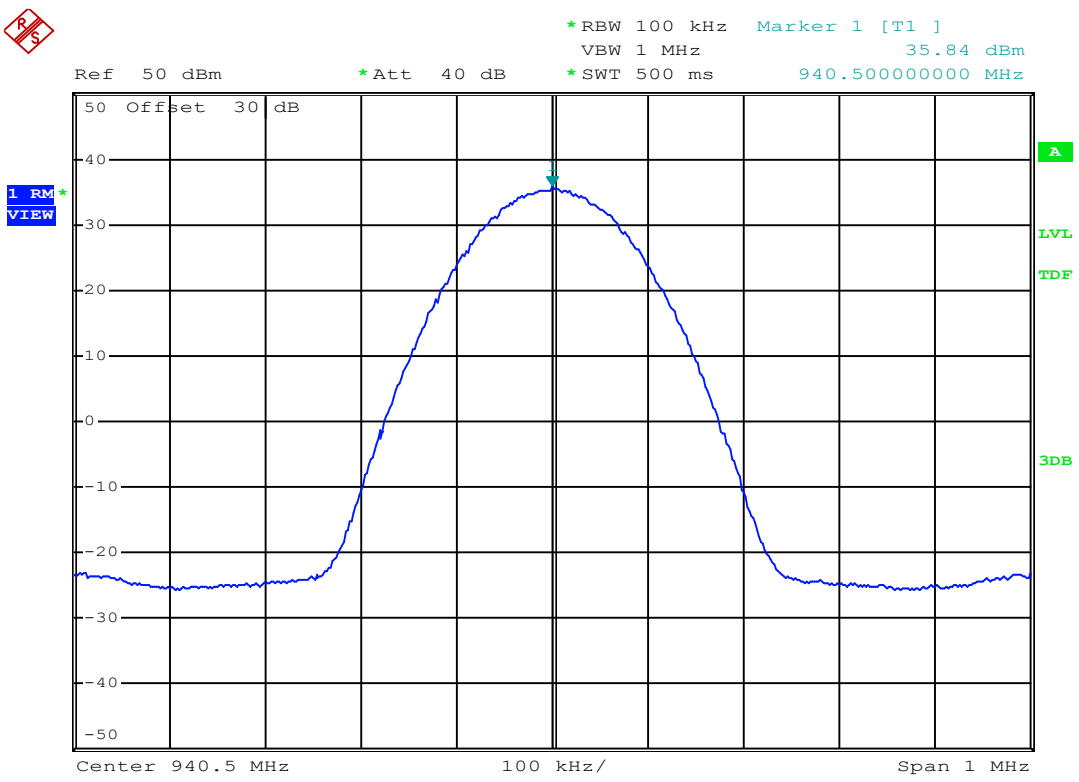
Conducted Power:



Date: 3.OCT.2025 15:24:48

Channel BW:	**50**	**kHz**	**Channel Frequency:**	**940.5**	**MHz**
Meas. Detector:	**RMS**		**Modulation:**	**QPSK**	
Band:	**940-941**	**MHz**	**Measured Channel Power:**	**37.93**	**dBm**

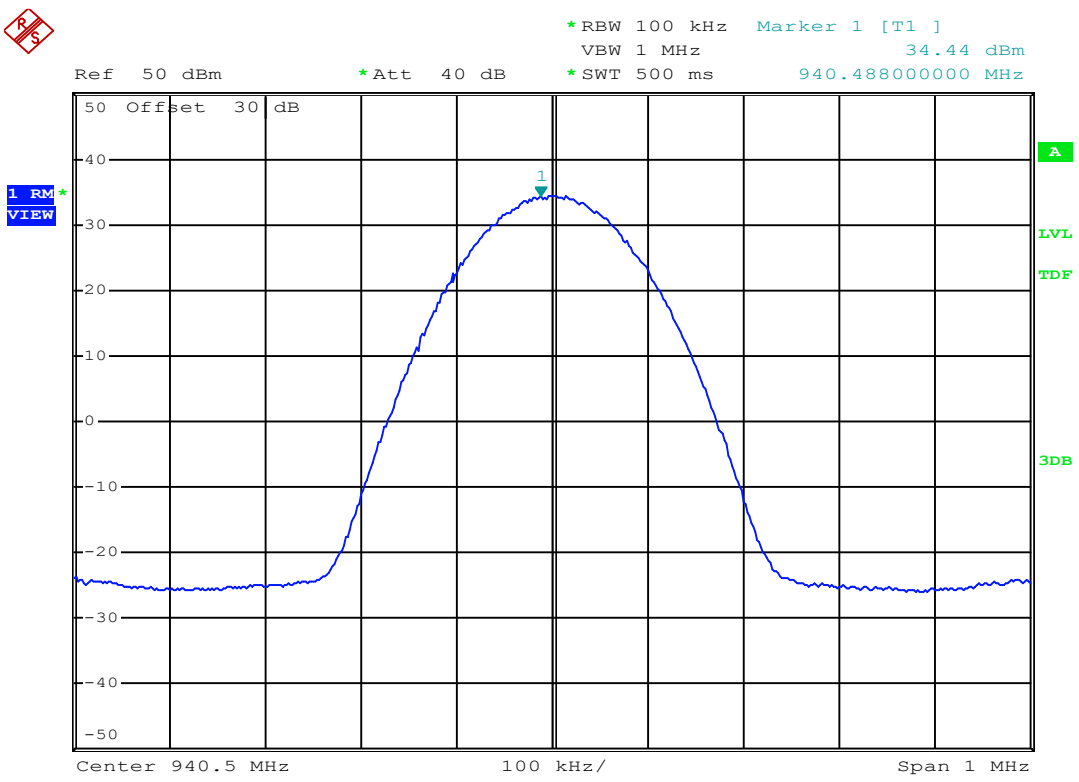
Conducted Power:



Date: 3.OCT.2025 15:25:40

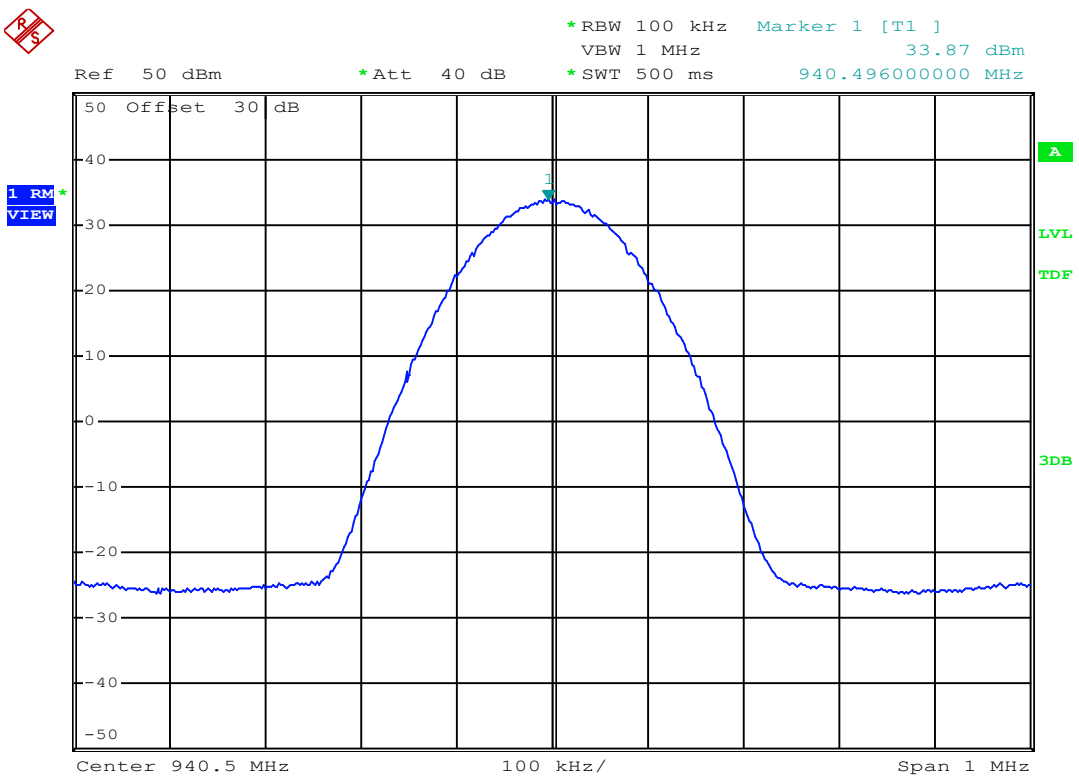
Channel BW:	50 kHz	**Channel Frequency:**	940.5 MHz
Meas. Detector:	RMS	**Modulation:**	16QAM
Band:	940-941 MHz	**Measured Channel Power:**	35.84 dBm

Conducted Power:



Channel BW:	50 kHz	**Channel Frequency:**	940.5 MHz
Meas. Detector:	RMS	**Modulation:**	64QAM
Band:	940-941 MHz	**Measured Channel Power:**	34.44 dBm

Conducted Power:



Date: 3.OCT.2025 15:26:54

Channel BW:	50	kHz	**Channel Frequency:**	940.5	MHz
Meas. Detector:	RMS		**Modulation:**	256QAM	
Band:	940-941	MHz	**Measured Channel Power:**	33.87	dBm

Conducted Power Measurement Results: ISED RSS-134									
Frequency Band (MHz)	**Channel Frequency (MHz)**	**Channel Bandwidth (kHz)**	**Modulation**	**Meas. Detector**	**Measured Power (1) [P_{Meas}] (dBm)**	**Antenna Gain [G] (dBd)**	**ERP Power [P_{erp}] (dBm)**	**Limit [P_{Lim}] (dBm)**	**Margin (dB)**
901-902	901.5	100.00	QPSK	RMS	37.11	0.50	37.61	38.5	0.9
			16QAM		34.70		35.20		3.3
			64QAM		33.80		34.30		4.2
			256QAM		32.91		33.41		5.1
930-931	930.5		QPSK		37.21		37.71	65.4	27.7
			16QAM		34.81		35.31		30.1
			64QAM		33.78		34.28		31.1
			256QAM		33.12		33.62		31.8
940-941	940.5		QPSK		37.33		37.83		27.6
			16QAM		34.91		35.41		30.0
			33.85		34.46		34.96		30.4
			256QAM		33.22		33.72		31.7
								Result:	**Complies**

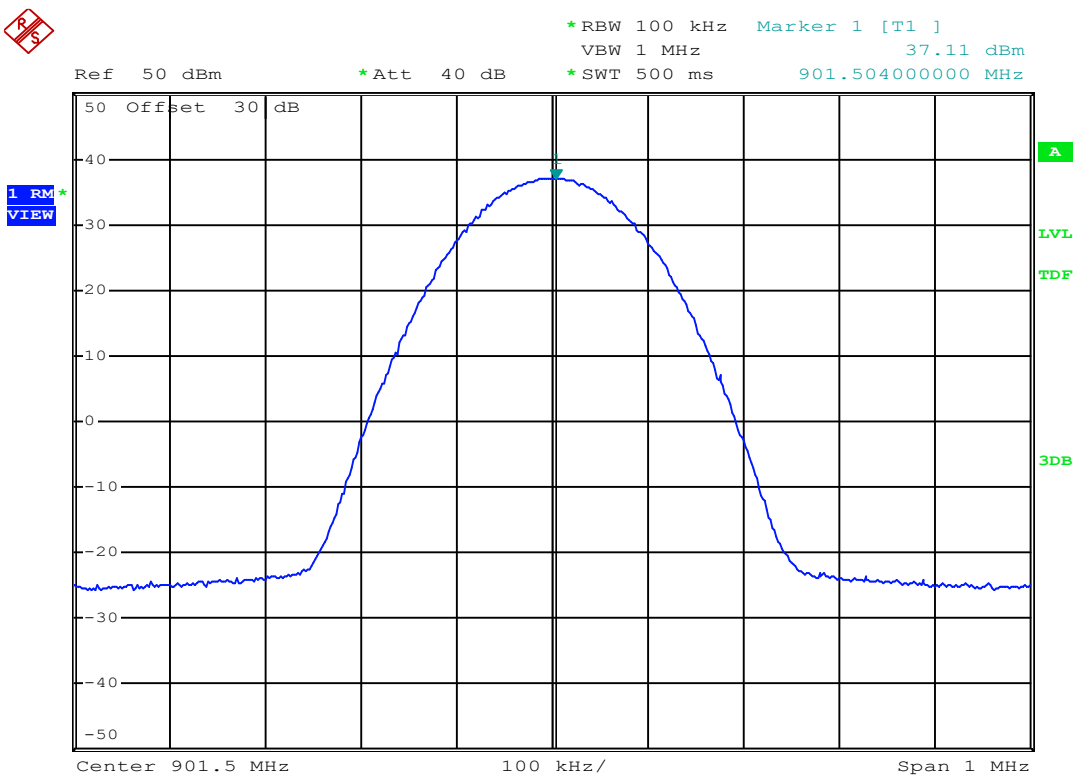
(1) Path Loss, including cable, attenuator and connectors, accounted for in the instrument's Transducer Factor (TDF)
Approximate Path Loss (worst case) = 0.6dB @1GHz

ERP [P_{erp}] = [P_{meas}] + [G](dBd)

Margin = [P_{lim}] - [P_{erp}]

Note: Maximum Output Power is field-programable.

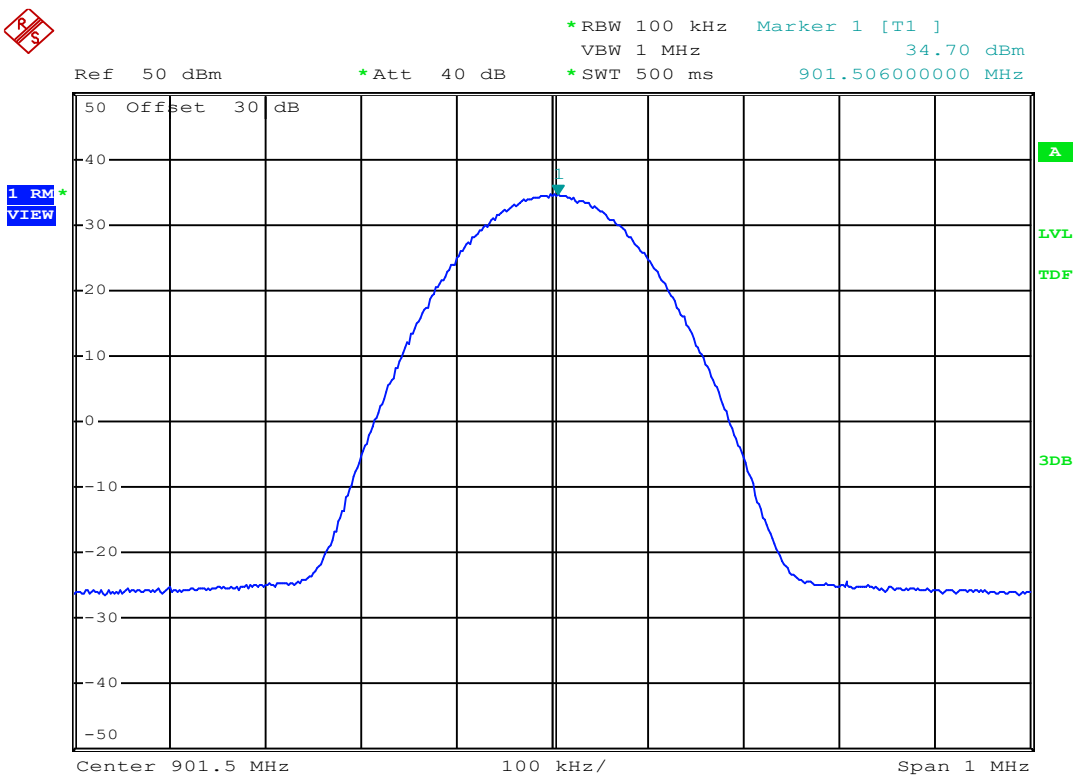
Conducted Power:



Date: 3.OCT.2025 15:28:47

Channel BW:	**100**	**kHz**	**Channel Frequency:**	**901.5**	**MHz**
Meas. Detector:	**RMS**		**Modulation:**	**QPSK**	
Band:	**901-902**	**MHz**	**Measured Channel Power:**	**37.11**	**dBm**

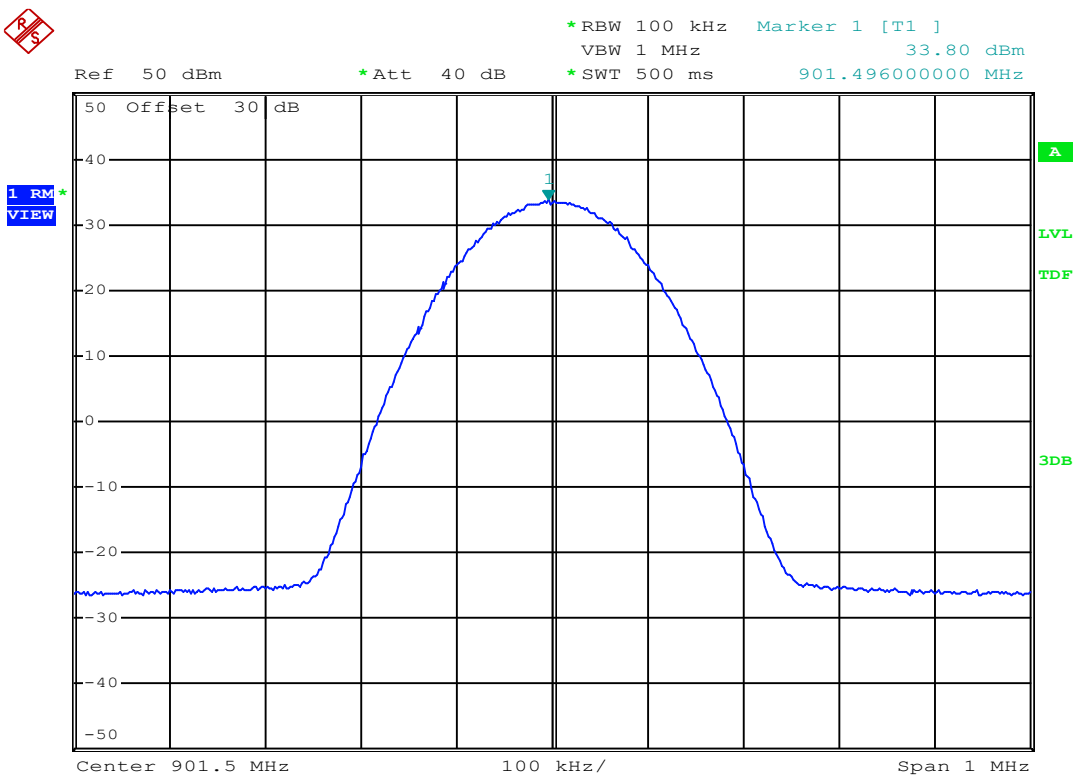
Conducted Power:



Date: 3.OCT.2025 15:29:22

Channel BW:	**100**	**kHz**	**Channel Frequency:**	**901.5**	**MHz**
Meas. Detector:	**RMS**		**Modulation:**	**16QAM**	
Band:	**901-902**	**MHz**	**Measured Channel Power:**	**34.7**	**dBm**

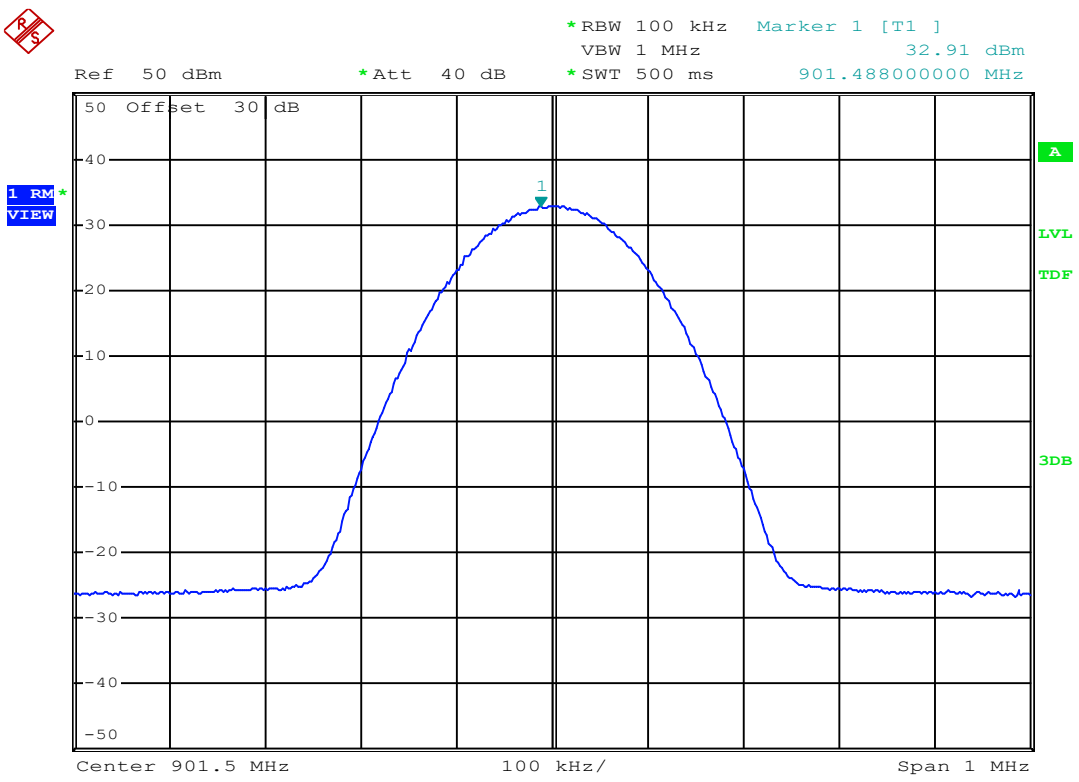
Conducted Power:



Date: 3.OCT.2025 15:29:59

Channel BW:	**100**	**kHz**	**Channel Frequency:**	**901.5**	**MHz**
Meas. Detector:	**RMS**		**Modulation:**	**64QAM**	
Band:	**901-902**	**MHz**	**Measured Channel Power:**	**33.8**	**dBm**

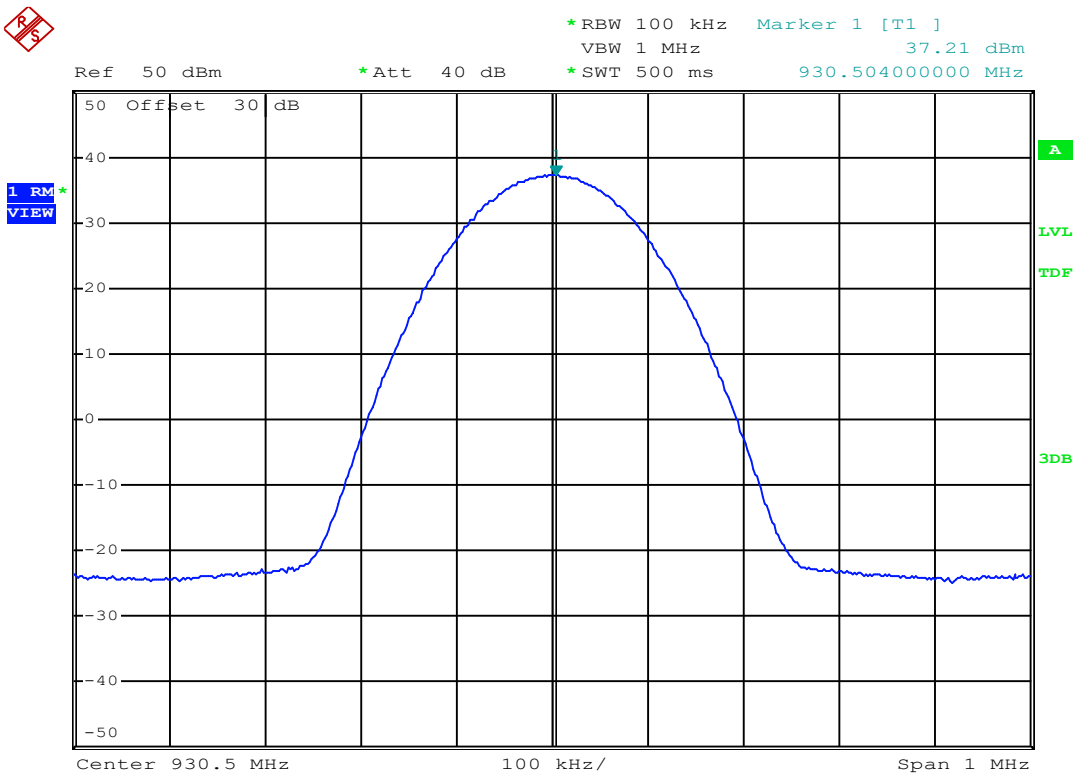
Conducted Power:



Date: 3.OCT.2025 15:30:39

Channel BW:	**100** kHz	**Channel Frequency:**	**901.5** MHz
Meas. Detector:	**RMS**	**Modulation:**	**256QAM**
Band:	**901-902** MHz	**Measured Channel Power:**	**32.91** dBm

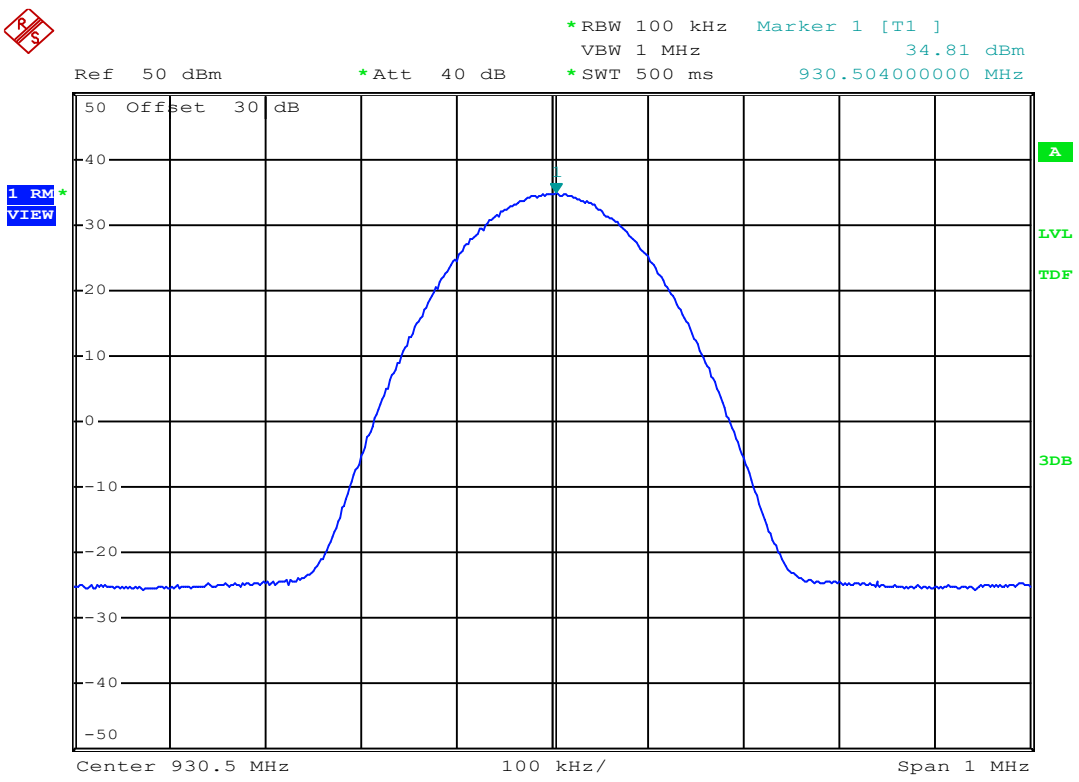
Conducted Power:



Date: 3.OCT.2025 15:31:42

Channel BW:	**100**	**kHz**	**Channel Frequency:**	**930.5**	**MHz**
Meas. Detector:	**RMS**		**Modulation:**	**QPSK**	
Band:	**930-931**	**MHz**	**Measured Channel Power:**	**37.21**	**dBm**

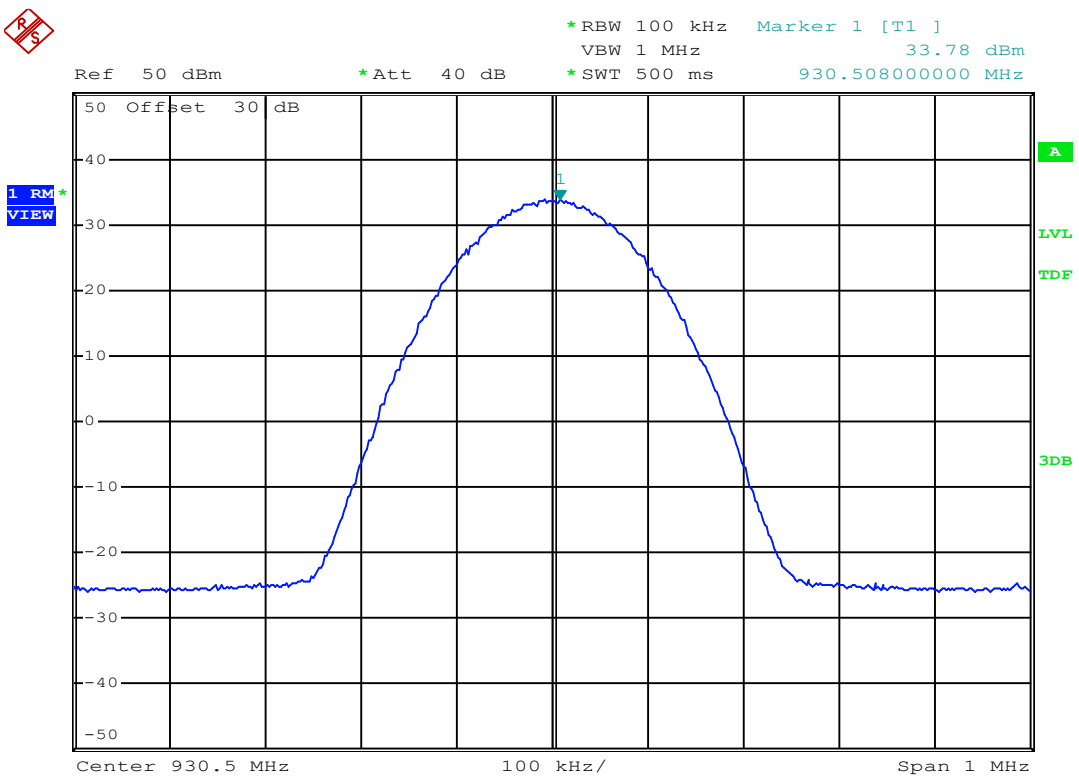
Conducted Power:



Date: 3.OCT.2025 15:32:13

Channel BW:	**100**	**kHz**	**Channel Frequency:**	**930.5**	**MHz**
Meas. Detector:	**RMS**		**Modulation:**	**16QAM**	
Band:	**930-931**	**MHz**	**Measured Channel Power:**	**34.81**	**dBm**

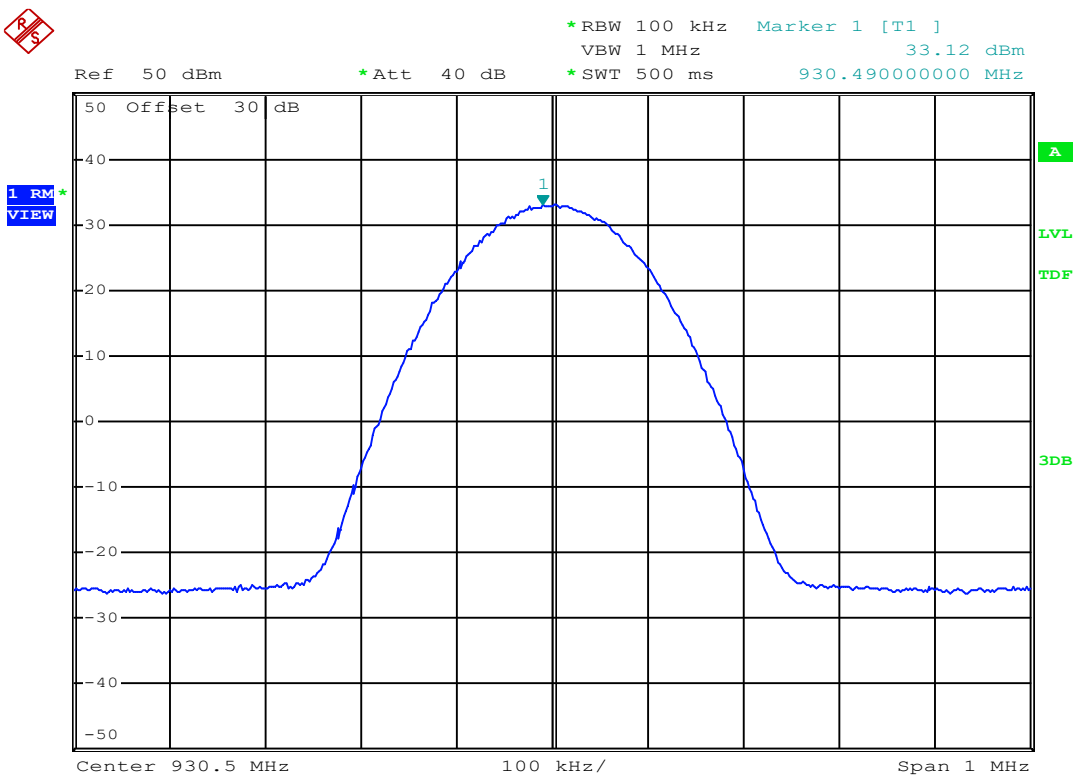
Conducted Power:



Date: 3.OCT.2025 15:34:53

Channel BW:	**100**	**kHz**	**Channel Frequency:**	**930.5**	**MHz**
Meas. Detector:	**RMS**		**Modulation:**	**64QAM**	
Band:	**930-931**	**MHz**	**Measured Channel Power:**	**33.78**	**dBm**

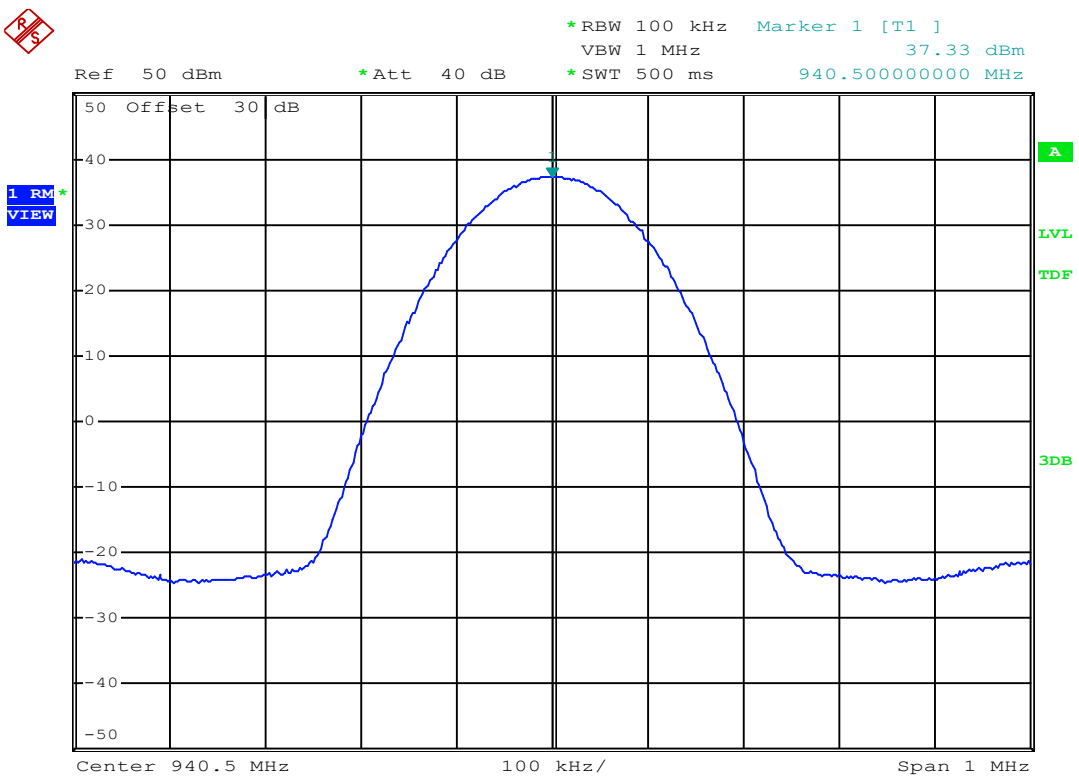
Conducted Power:



Date: 3.OCT.2025 15:33:51

Channel BW:	**100 kHz**	**Channel Frequency:**	**930.5 MHz**
Meas. Detector:	**RMS**	**Modulation:**	**256QAM**
Band:	**930-931 MHz**	**Measured Channel Power:**	**33.12 dBm**

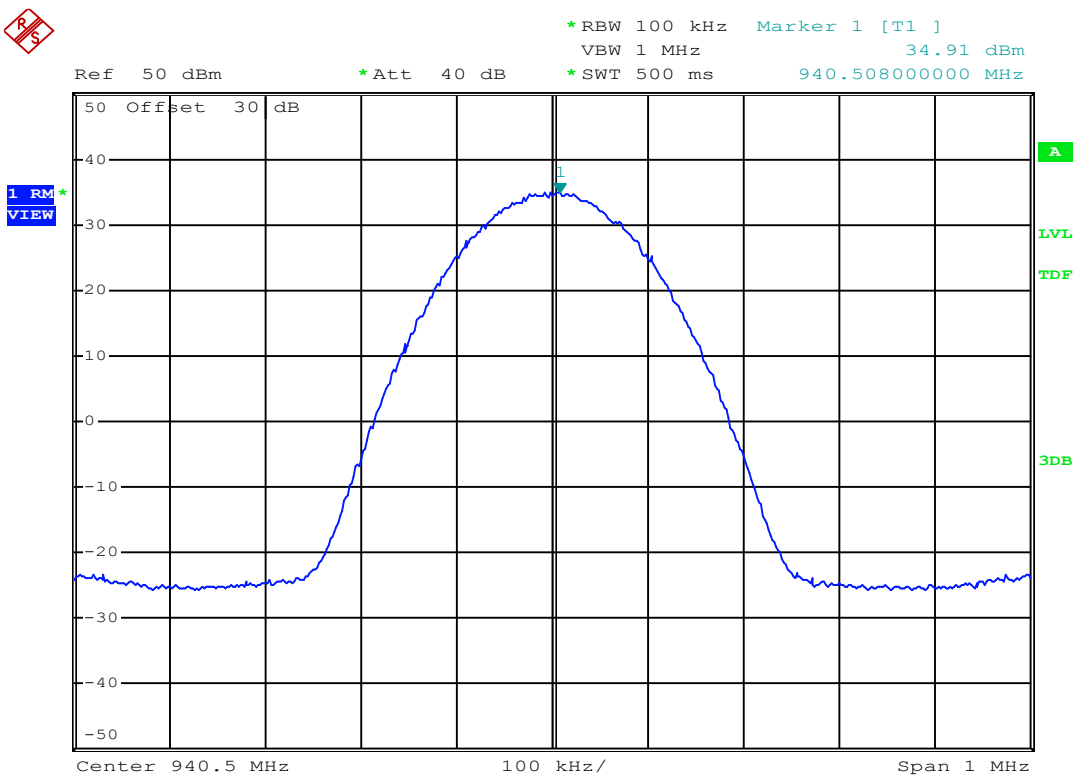
Conducted Power:



Date: 3.OCT.2025 15:36:28

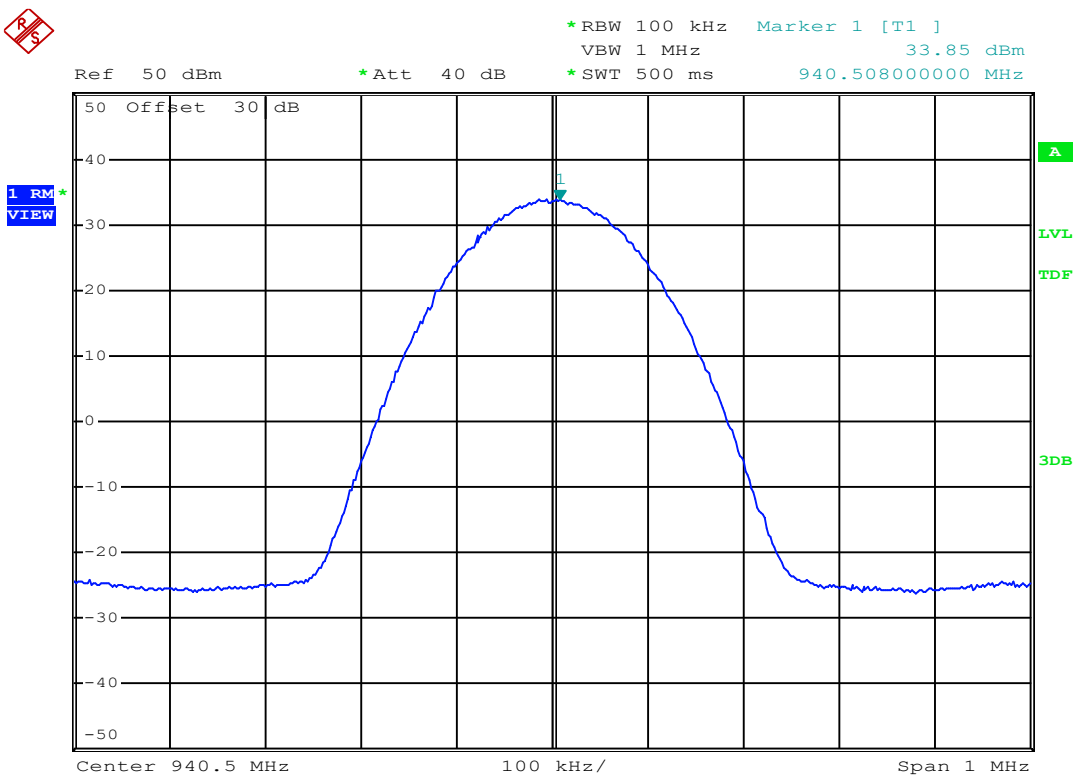
Channel BW:	**100**	**kHz**	**Channel Frequency:**	**940.5**	**MHz**
Meas. Detector:	**RMS**		**Modulation:**	**QPSK**	
Band:	**940-941**	**MHz**	**Measured Channel Power:**	**37.33**	**dBm**

Conducted Power:



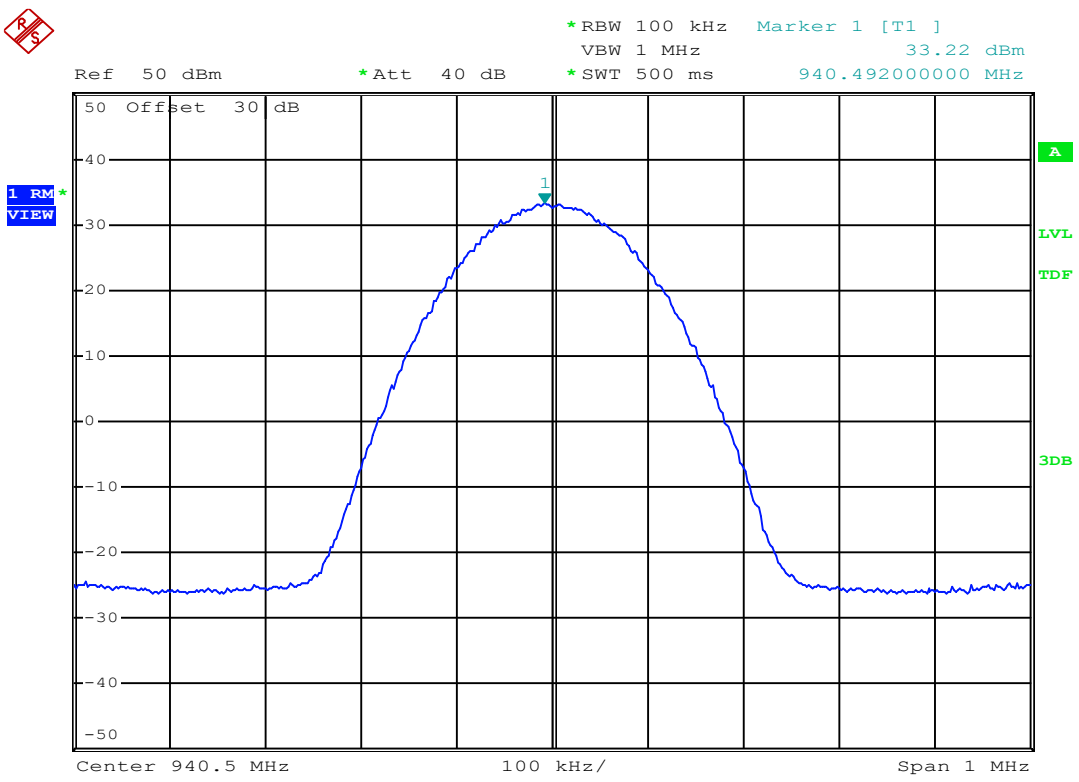
Channel BW:	100 kHz	**Channel Frequency:**	940.5 MHz
Meas. Detector:	RMS	**Modulation:**	16QAM
Band:	940-941 MHz	**Measured Channel Power:**	34.91 dBm

Conducted Power:



Channel BW:	**100**	**kHz**	**Channel Frequency:**	**940.5**	**MHz**
Meas. Detector:	**RMS**		**Modulation:**	**33.85**	
Band:	**940-941**	**MHz**	**Measured Channel Power:**	**34.46**	**dBm**

Conducted Power:



Date: 3.OCT.2025 15:38:10

Channel BW:	**100**	**kHz**	**Channel Frequency:**	**940.5**	**MHz**
Meas. Detector:	**RMS**		**Modulation:**	**256QAM**	
Band:	**940-941**	**MHz**	**Measured Channel Power:**	**33.22**	**dBm**