

Conducted Power Measurement Results: FCC Part 90

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)
896-901	898.5	12.50	QPSK	RMS	37.70	0.50	38.20	60	21.8
			16QAM		34.74		35.24		24.8
			64QAM		34.64		35.14		24.9
			256QAM		33.74		34.24		25.8
935-940	937.5		QPSK		37.45		37.95		22.1
			16QAM		35.78		36.28		23.7
			64QAM		34.32		34.82		25.2
			256QAM		33.71		34.21		25.8

Result: **Complies**

(1) Path Loss, including cable, attenuator and connectors, accounted for in the instrument's Transducer Factor (TDF)

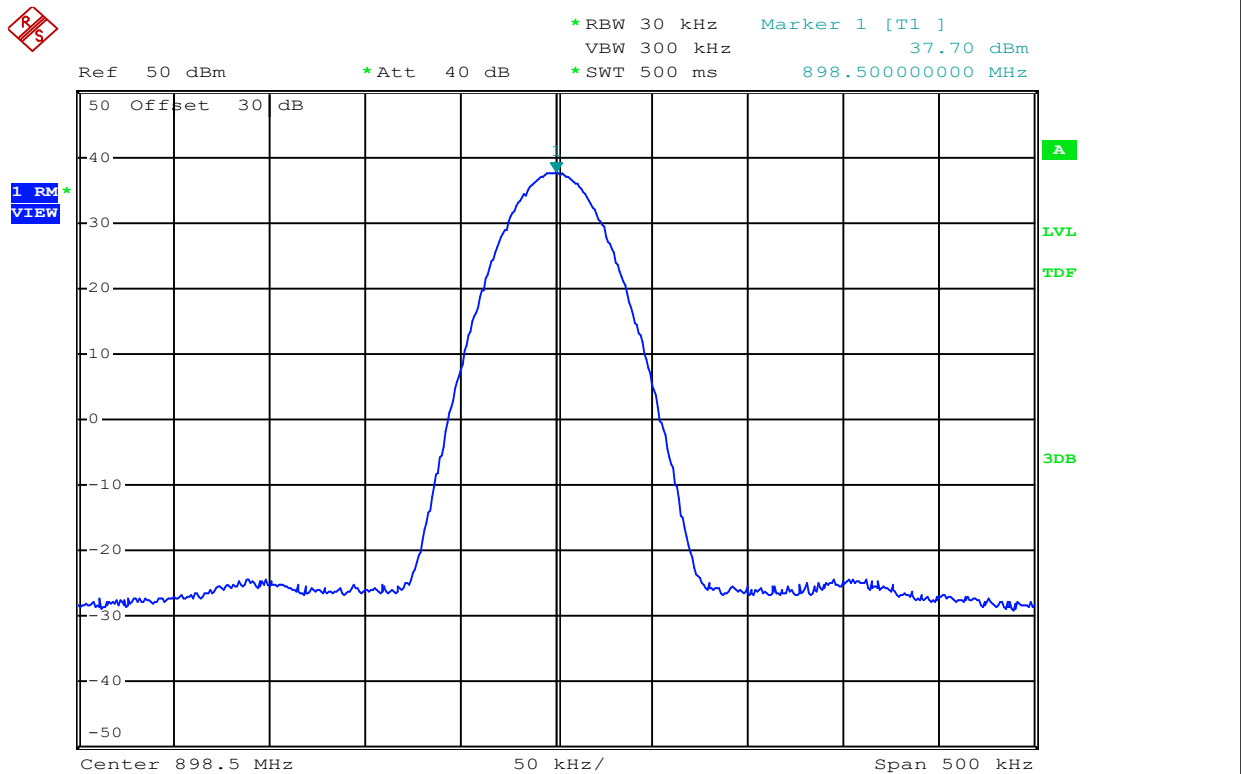
Approximate Path Loss (worst case) = 0.6dB @1GHz

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

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

Note: Maximum Output Power is field-programable.

Conducted Power:



Date: 24.SEP.2025 14:18:38

Channel BW: 12.5 kHz

Channel Frequency: 898.5 MHz

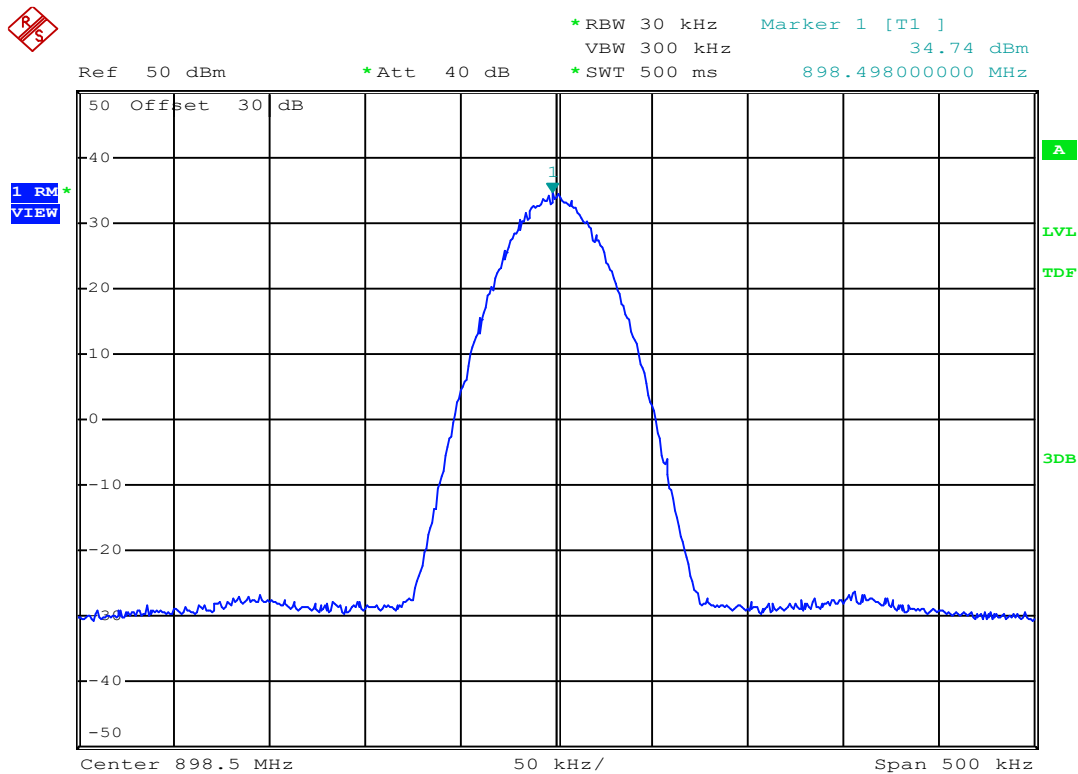
Meas. Detector:	RMS
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Modulation: QPSK

Band: 896-901 MHz

Measured Channel Power: 37.7 dBm

Conducted Power:



Date: 24.SEP.2025 14:20:38

Channel BW: 12.5 kHz

Channel Frequency: 898.5 MHz

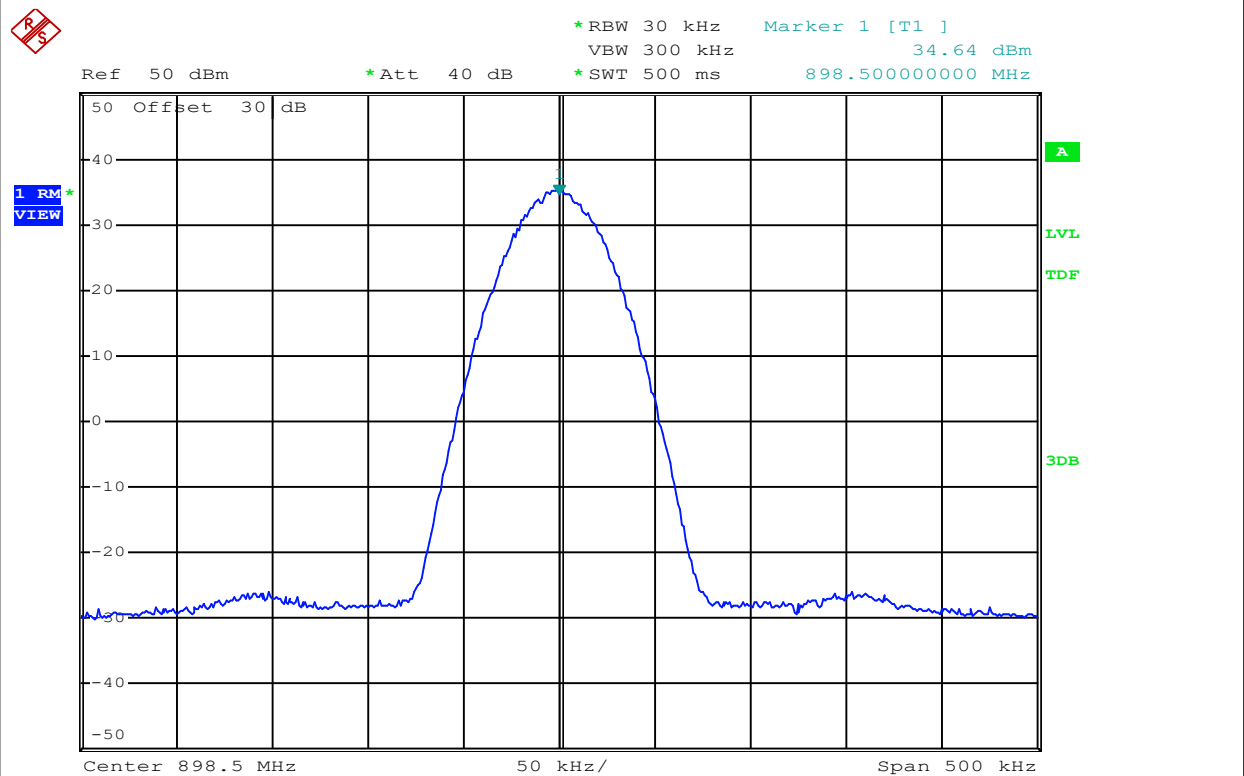
Meas. Detector:	RMS
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Modulation: 16QAM

Band: 896-901 MHz

Measured Channel Power: 34.74 dBm

Conducted Power:



Date: 24.SEP.2025 14:19:57

Channel BW: 12.5 kHz

Channel Frequency: 898.5 MHz

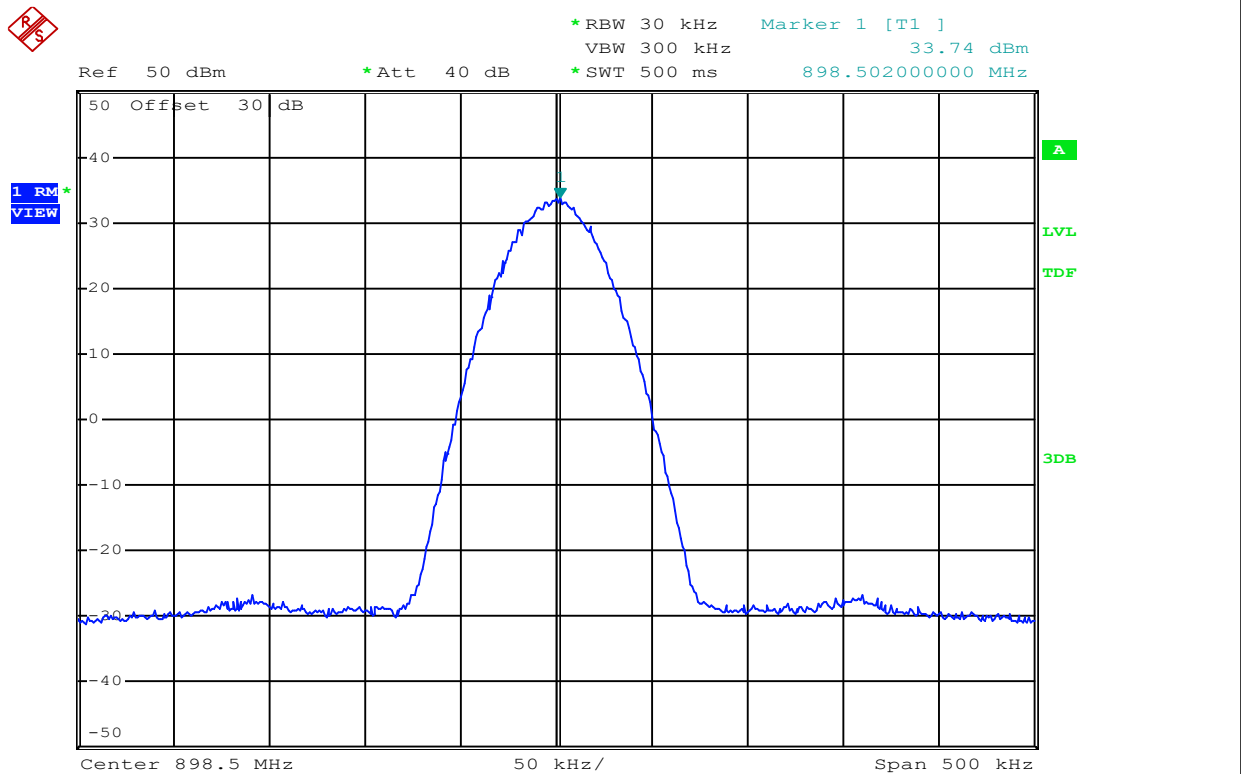
Meas. Detector:	RMS
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Modulation: 64QAM

Band: 896-901 MHz

Measured Channel Power: 34.64 dBm

Conducted Power:



Date: 24.SEP.2025 14:21:15

Channel BW: 12.5 kHz

Channel Frequency: 898.5 MHz

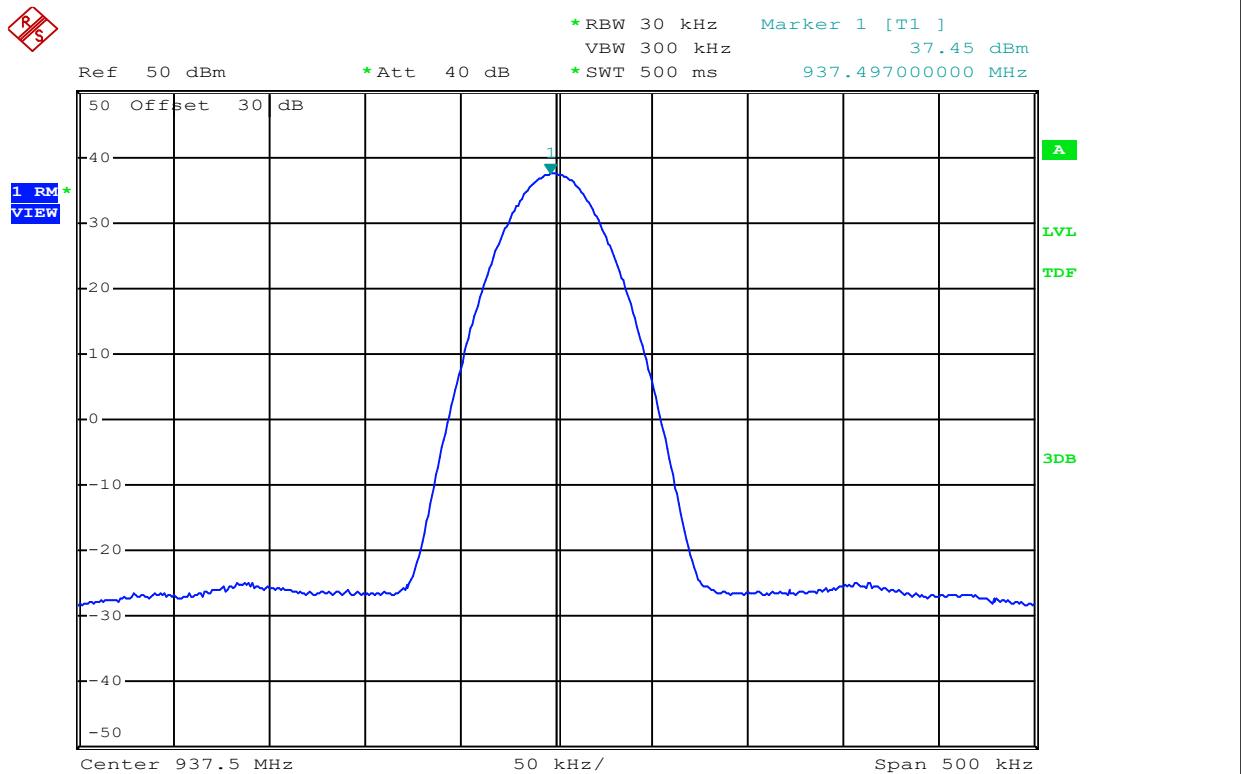
Meas. Detector:	RMS
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Modulation: 256QAM

Band: 896-901 MHz

Measured Channel Power: 33.74 dBm

Conducted Power:



Date: 24.SEP.2025 15:16:30

Channel BW: 12.5 kHz

Channel Frequency: 937.5 MHz

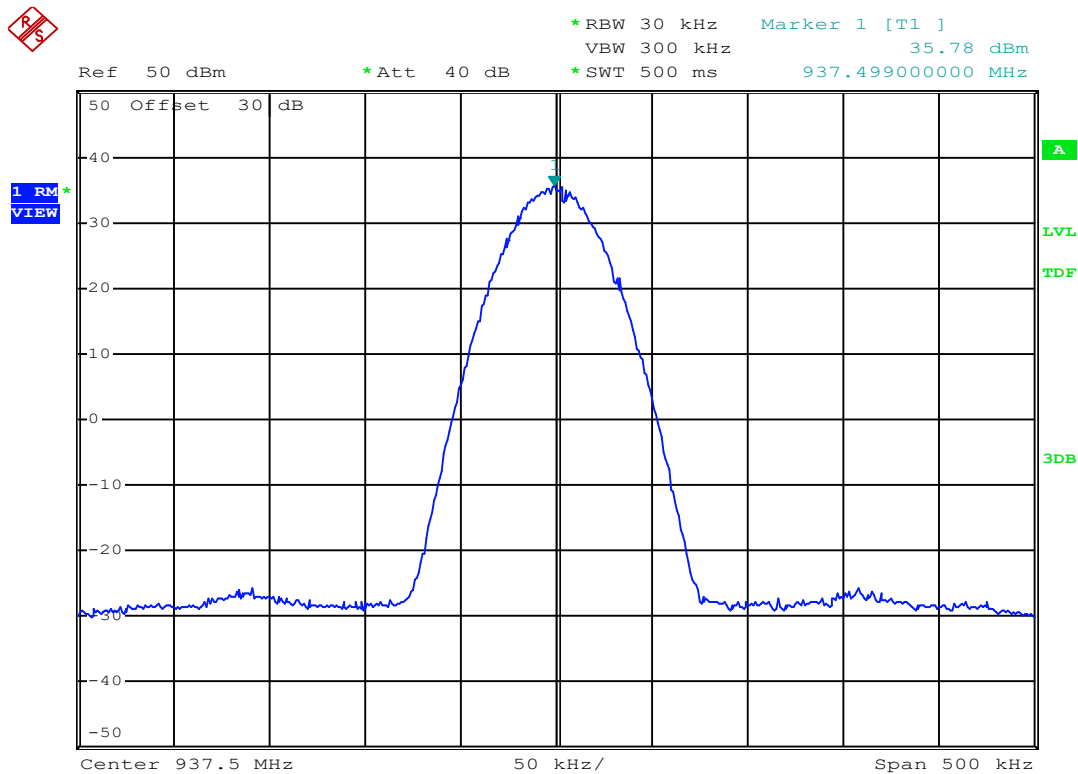
Meas. Detector:	RMS
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Modulation: QPSK

Band: 935-940 MHz

Measured Channel Power: 37.45 dBm

Conducted Power:



Date: 24.SEP.2025 14:24:03

Channel BW: 12.5 kHz

Channel Frequency: 937.5 MHz

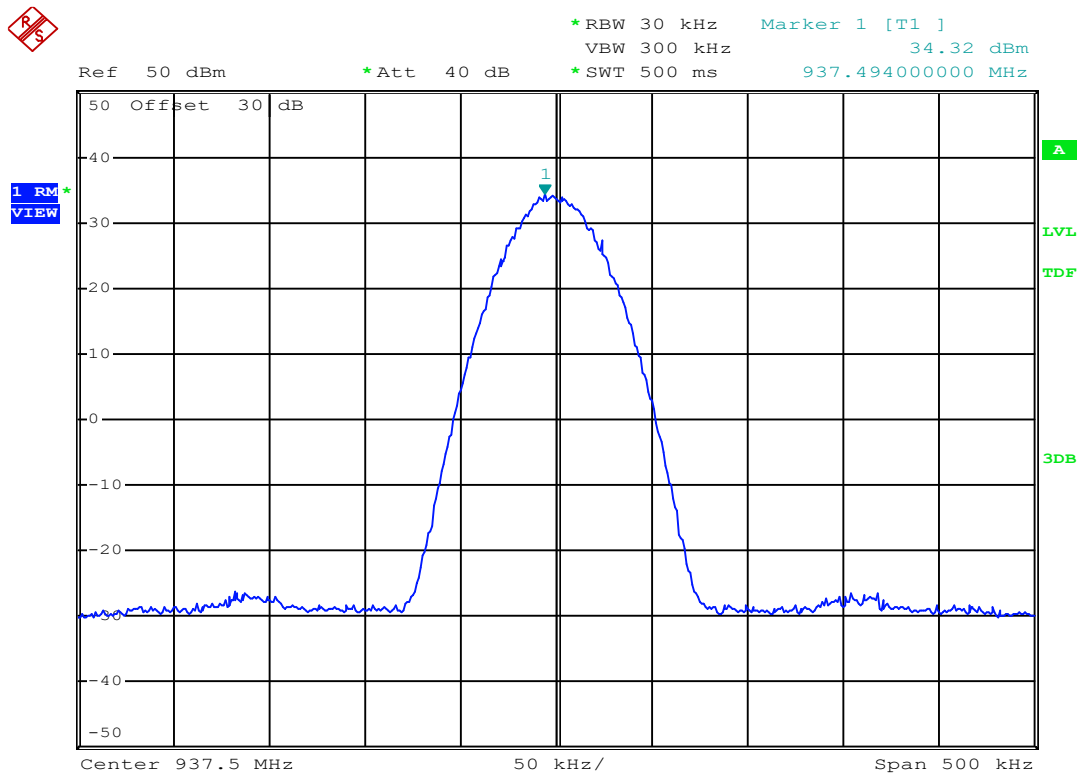
Meas. Detector:	RMS
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Modulation: 16QAM

Band: 935-940 MHz

Measured Channel Power: 35.78 dBm

Conducted Power:



Date: 24.SEP.2025 14:24:39

Channel BW: 12.5 kHz

Channel Frequency: 937.5 MHz

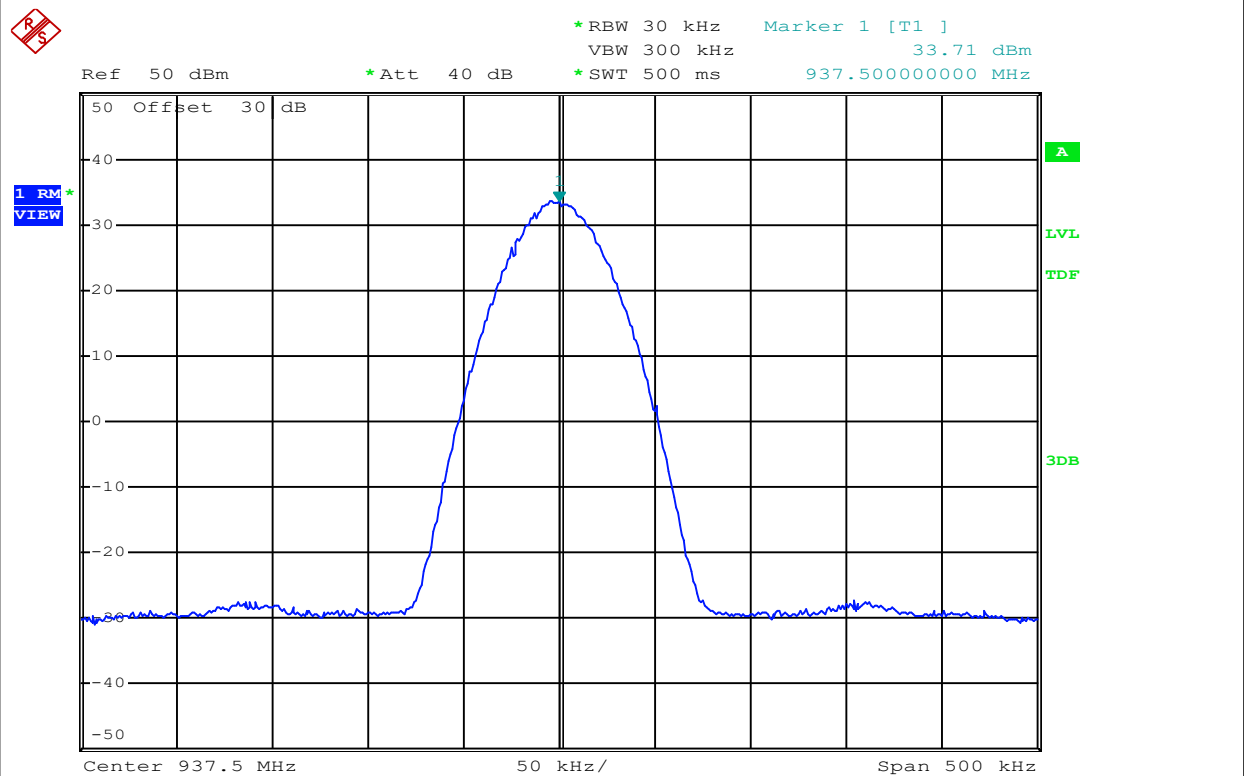
Meas. Detector:	RMS
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Modulation: 64QAM

Band: 935-940 MHz

Measured Channel Power: 34.32 dBm

Conducted Power:



Date: 24.SEP.2025 14:25:16

Channel BW: 12.5 kHz

Channel Frequency: 937.5 MHz

Meas. Detector:	RMS
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Modulation: 256QAM

Band: 935-940 MHz

Measured Channel Power: 33.71 dBm

Conducted Power Measurement Results: FCC Part 90

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)
896-901	898.5	25.00	QPSK	RMS	37.42	0.50	37.92	60	22.1
			16QAM		34.58		35.08		24.9
			64QAM		33.58		34.08		25.9
			256QAM		33.14		33.64		26.4
929-930	929.5		QPSK		37.48		37.98	65.4	27.4
			16QAM		34.89		35.39		30.0
			64QAM		34.17		34.67		30.7
			256QAM		33.71		34.21		31.2
935-940	937.5		QPSK		37.80		38.30	60	21.7
			16QAM		35.32		35.82		24.2
			64QAM		34.38		34.88		25.1
			256QAM		33.88		34.38		25.6
Result:									Complies

(1) Path Loss, including cable, attenuator and connectors, accounted for in the instrument's Transducer Factor (TDF)

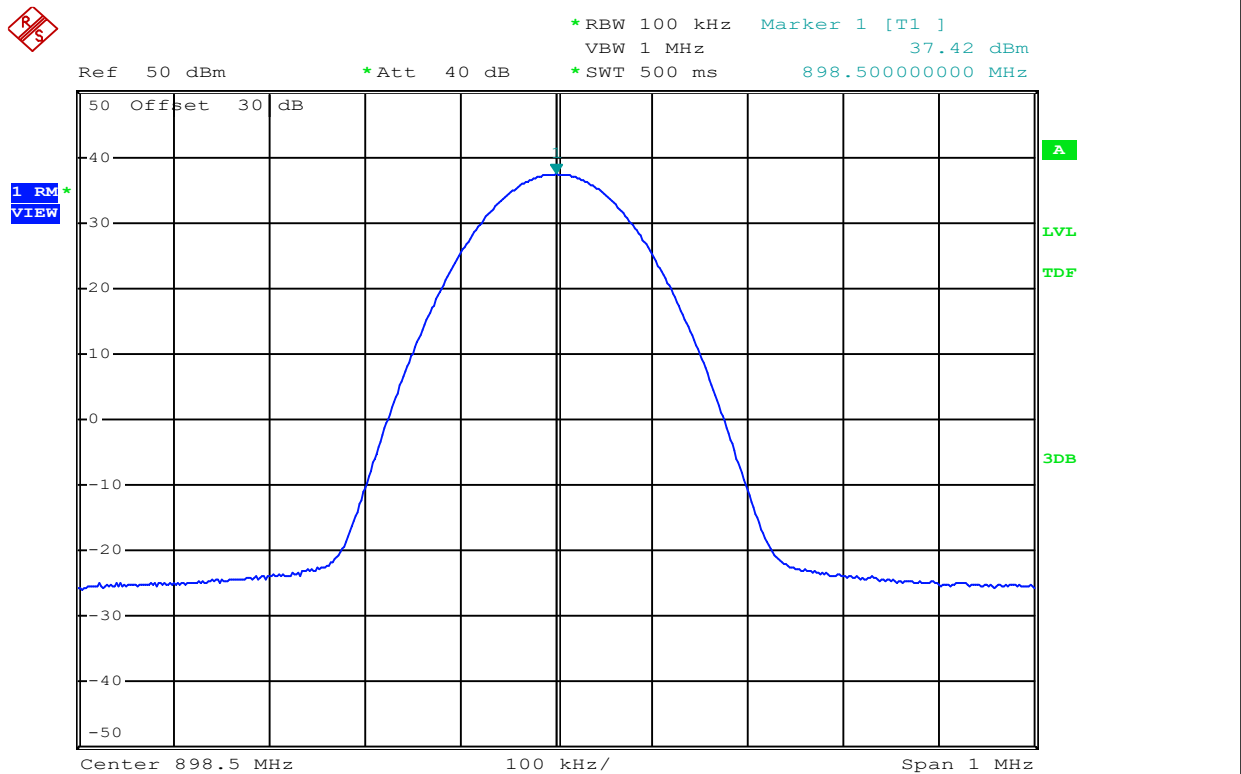
Approximate Path Loss (worst case) = 0.6dB @1GHz

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

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

Note: Maximum Output Power is field-programable.

Conducted Power:



Date: 24.SEP.2025 15:43:12

Channel BW: 25 kHz

Channel Frequency: 898.5 MHz

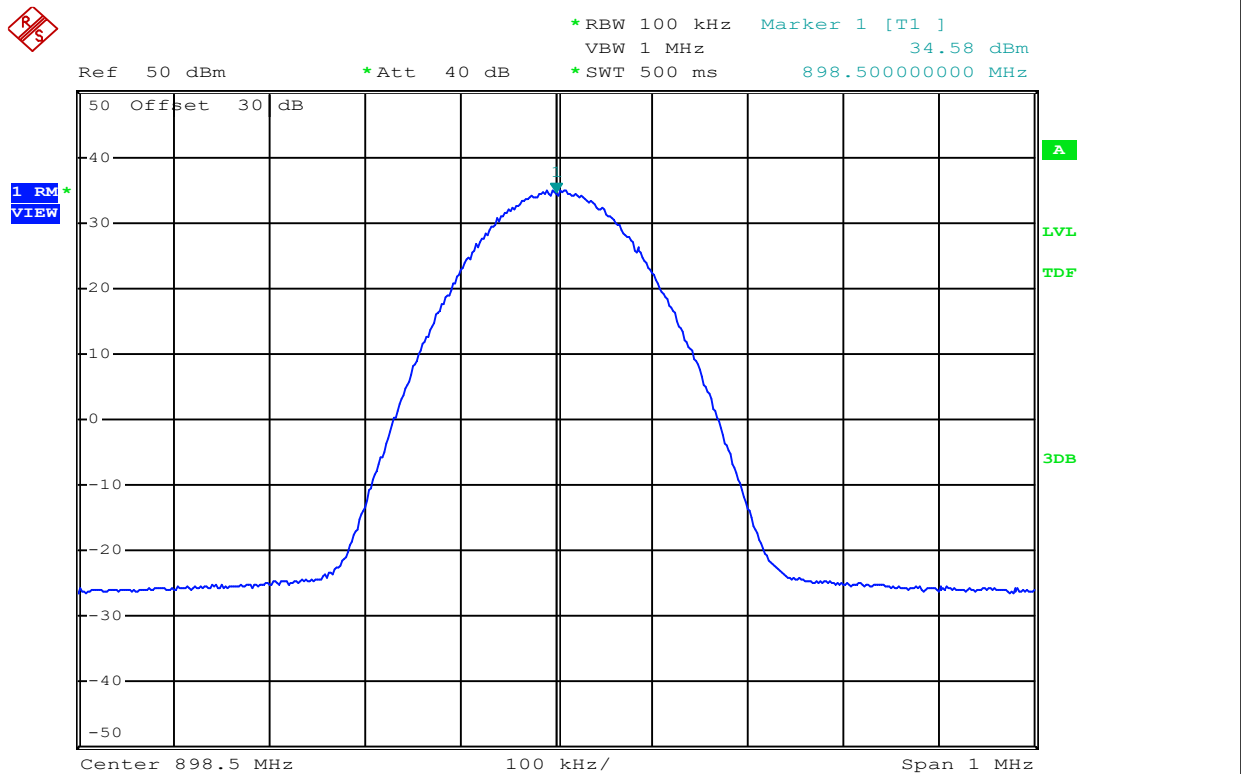
Meas. Detector:	RMS
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Modulation: QPSK

Band: 896-901 MHz

Measured Channel Power: 37.42 dBm

Conducted Power:



Date: 24.SEP.2025 15:43:46

Channel BW: 25 kHz

Channel Frequency: 898.5 MHz

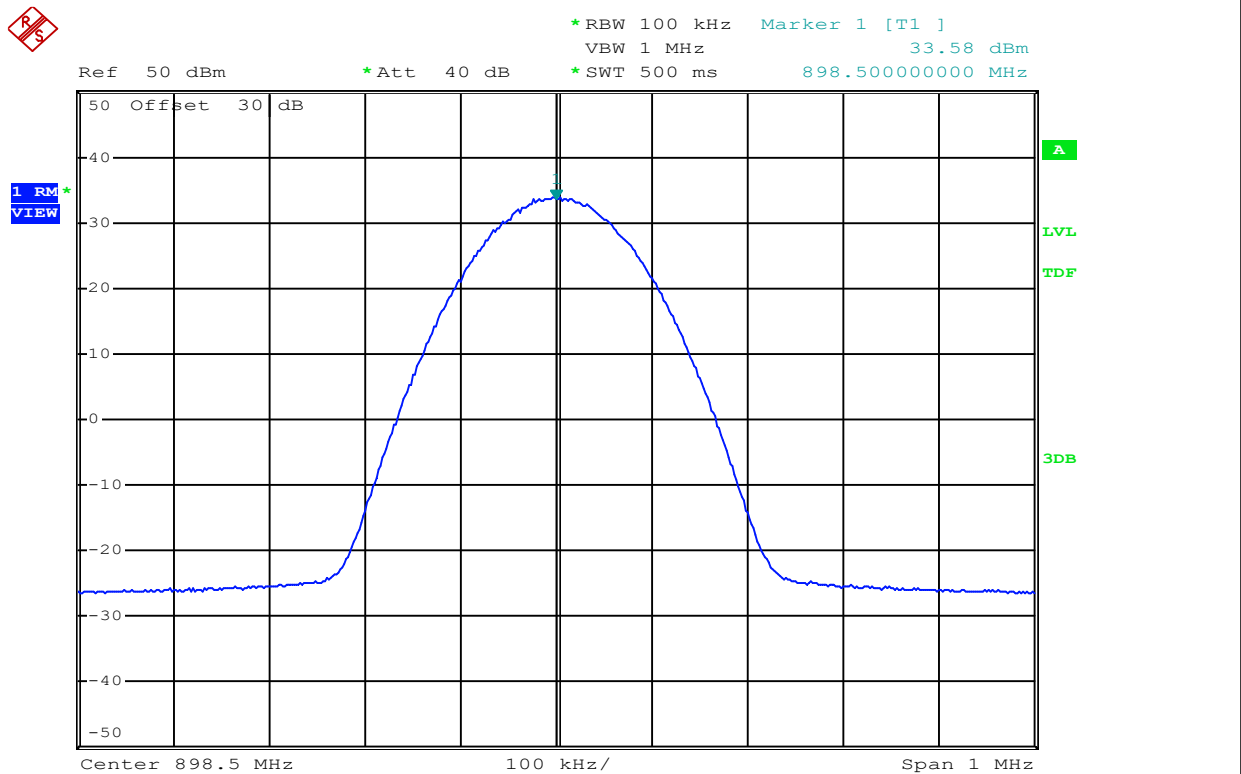
Meas. Detector:	RMS
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Modulation: 16QAM

Band: 896-901 MHz

Measured Channel Power: 34.58 dBm

Conducted Power:



Date: 24.SEP.2025 15:44:21

Channel BW: 25 kHz

Channel Frequency: 898.5 MHz

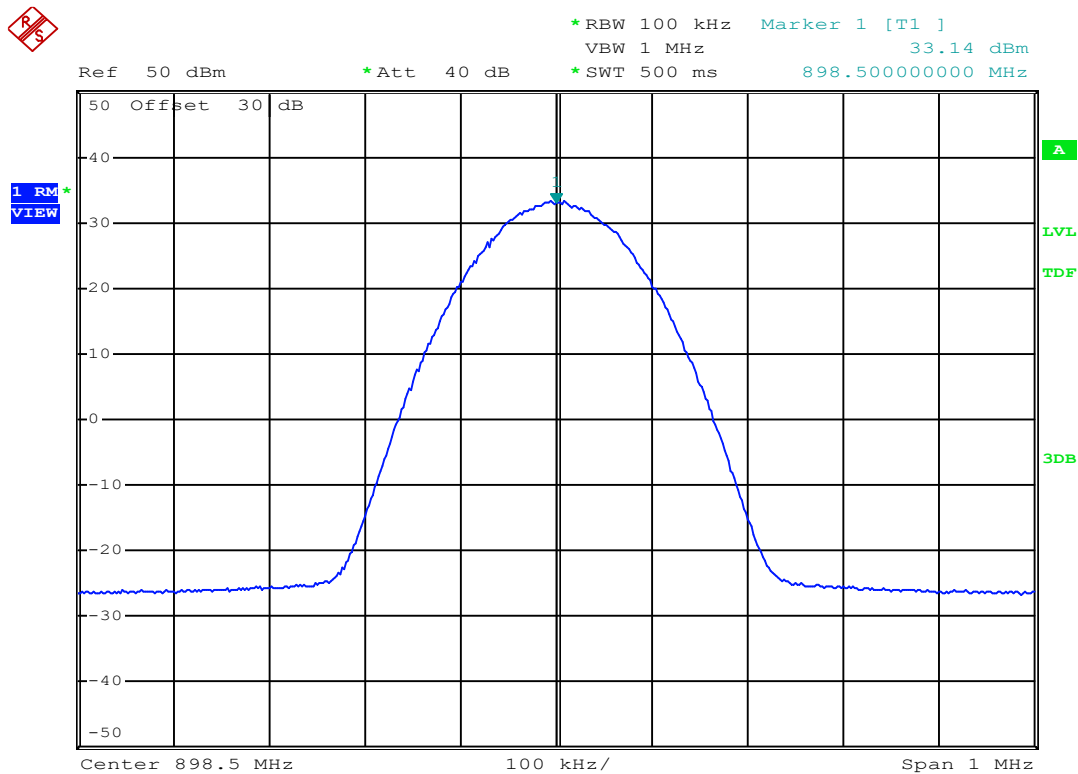
Meas. Detector:	RMS
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Modulation: 64QAM

Band: 896-901 MHz

Measured Channel Power: 33.58 dBm

Conducted Power:



Date: 24.SEP.2025 15:44:57

Channel BW: 25 kHz

Channel Frequency: 898.5 MHz

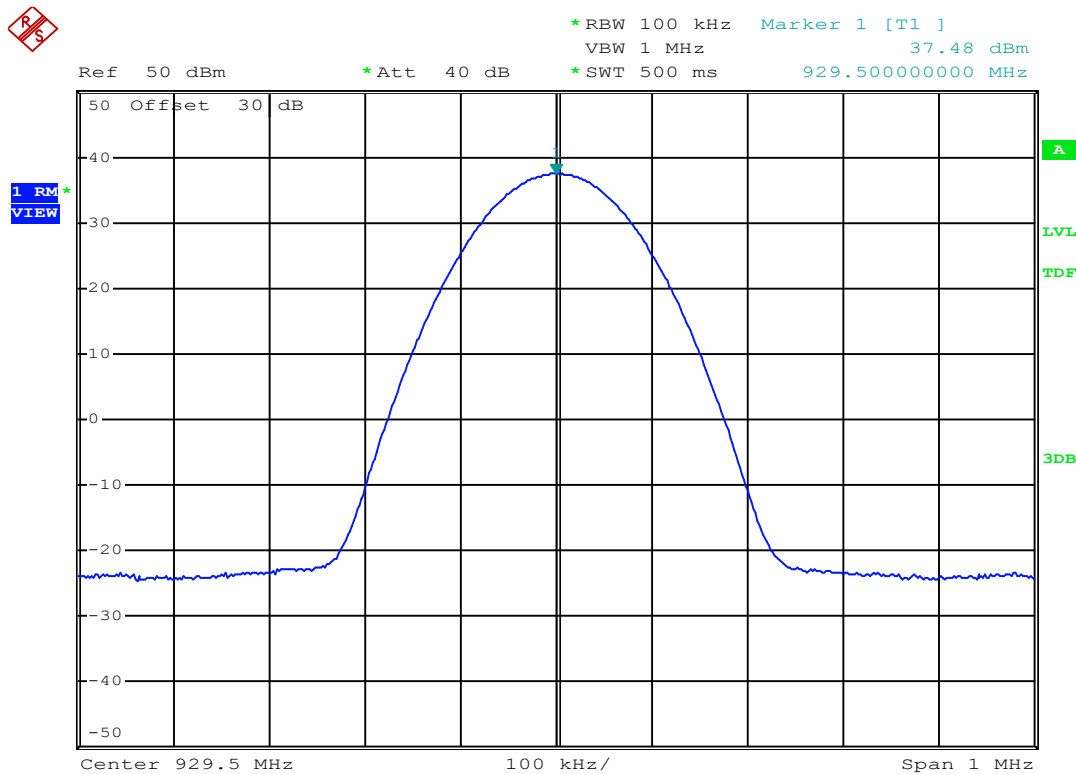
Meas. Detector:	RMS
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Modulation: 256QAM

Band: 896-901 MHz

Measured Channel Power: 33.14 dBm

Conducted Power:



Date: 24.SEP.2025 15:49:23

Channel BW: 25 kHz

Channel Frequency: 929.5 MHz

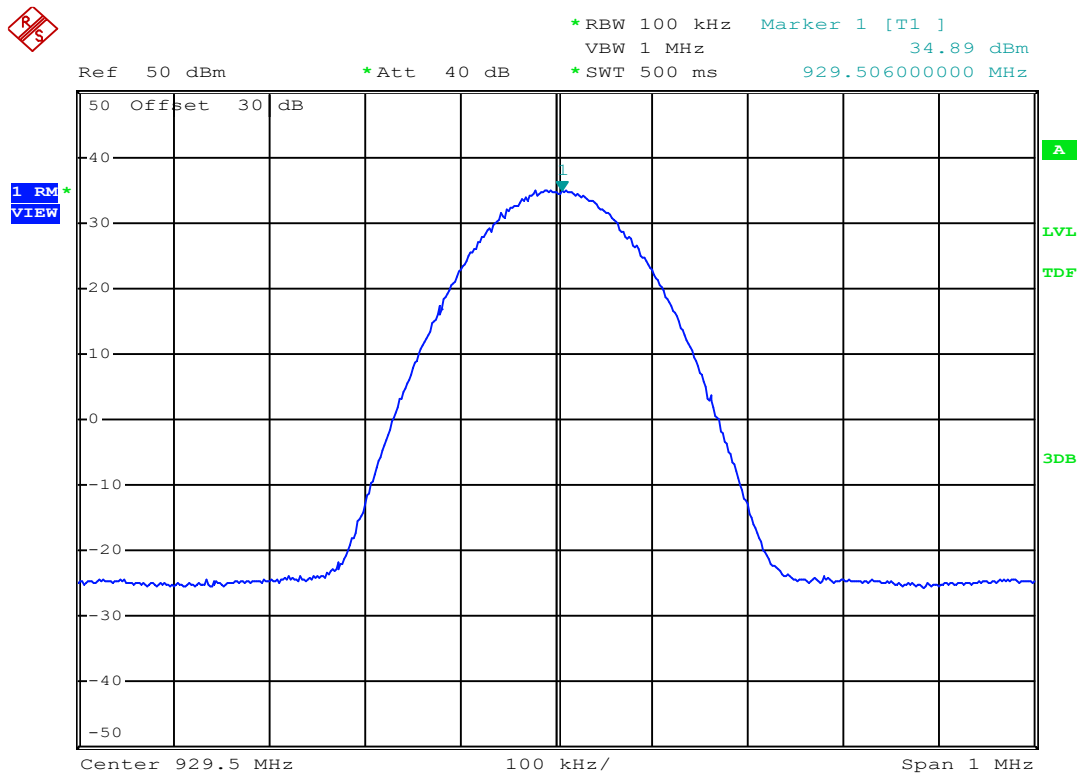
Meas. Detector:	RMS
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Modulation: QPSK

Band: 929-930 MHz

Measured Channel Power: 37.48 dBm

Conducted Power:



Date: 24.SEP.2025 15:50:03

Channel BW: 25 kHz

Channel Frequency: 929.5 MHz

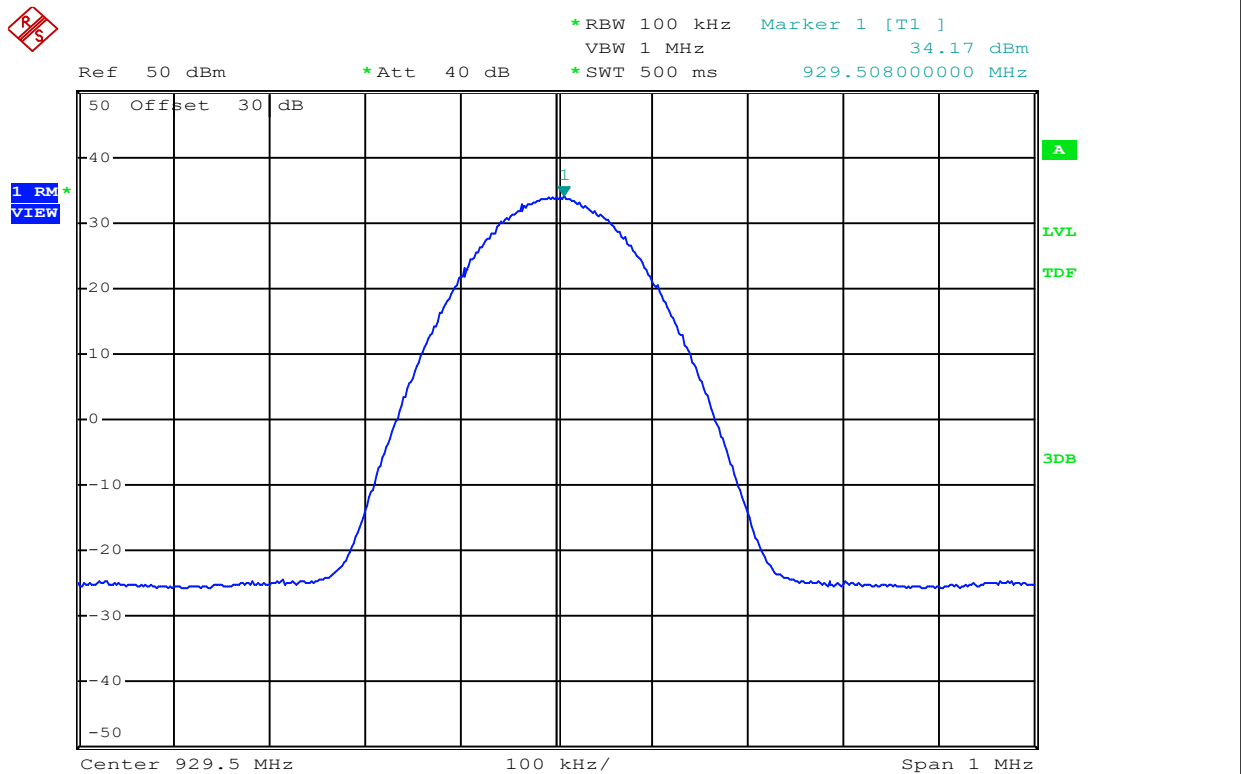
Meas. Detector:	RMS
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Modulation: 16QAM

Band: 929-930 MHz

Measured Channel Power: 34.89 dBm

Conducted Power:



Date: 24.SEP.2025 15:50:40

Channel BW: 25 kHz

Channel Frequency: 929.5 MHz

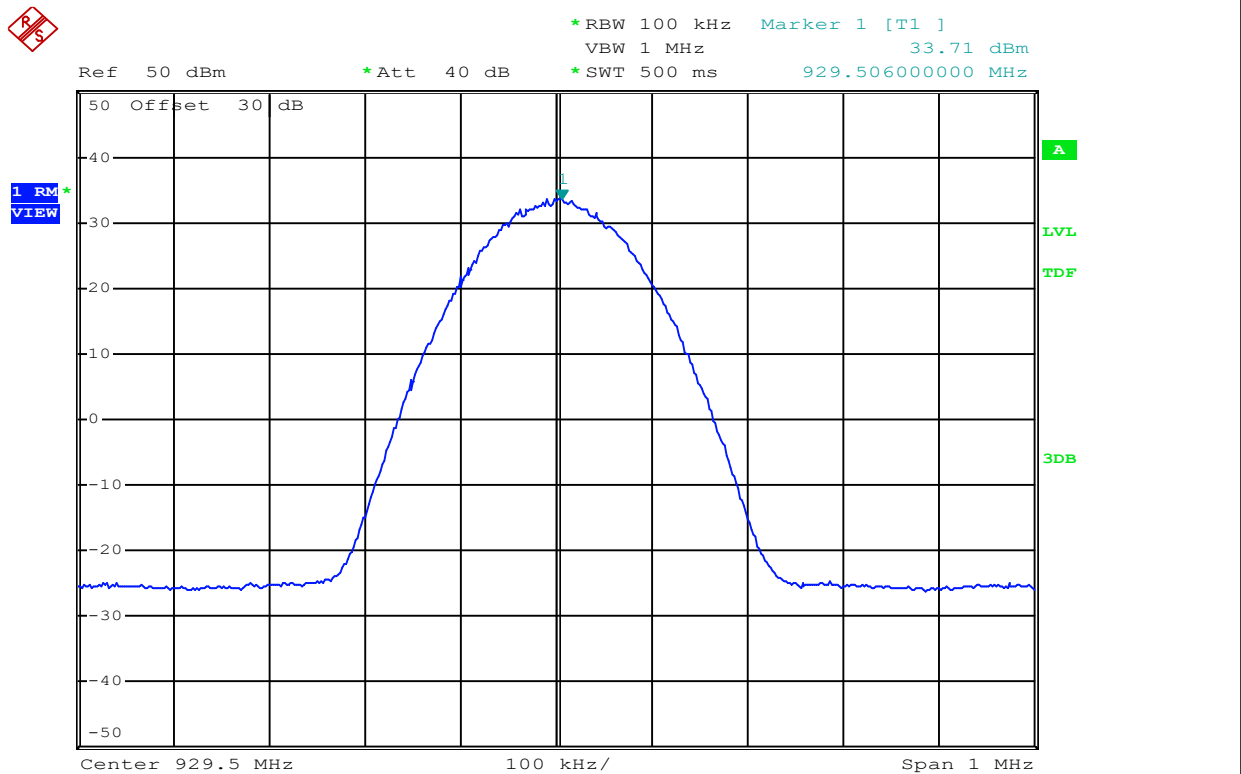
Meas. Detector:	RMS
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Modulation: 64QAM

Band: 929-930 MHz

Measured Channel Power: 34.17 dBm

Conducted Power:



Date: 24.SEP.2025 15:51:39

Channel BW: 25

Channel Frequency: 929.5

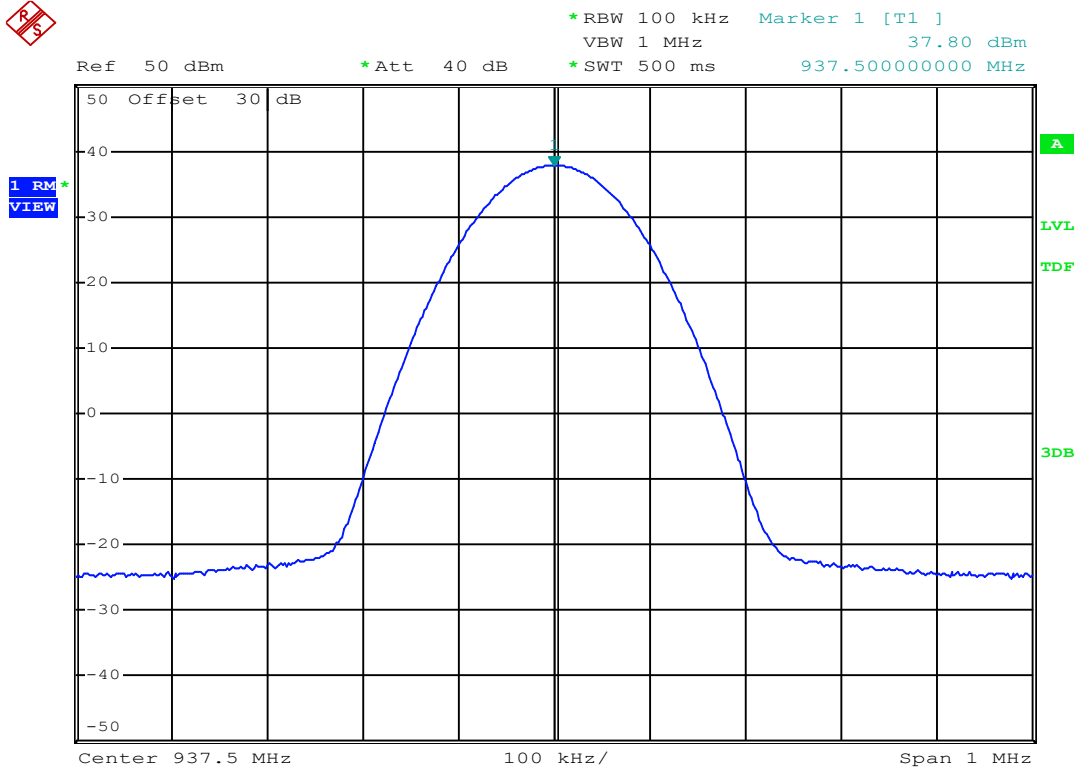
Meas. Detector:	RMS
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Modulation: 256QAM

Band: 929-930

Measured Channel Power: 33.71

Conducted Power:



Date: 29.SEP.2025 15:38:02

Channel BW: 25 kHz

Channel Frequency: 937.5 MHz

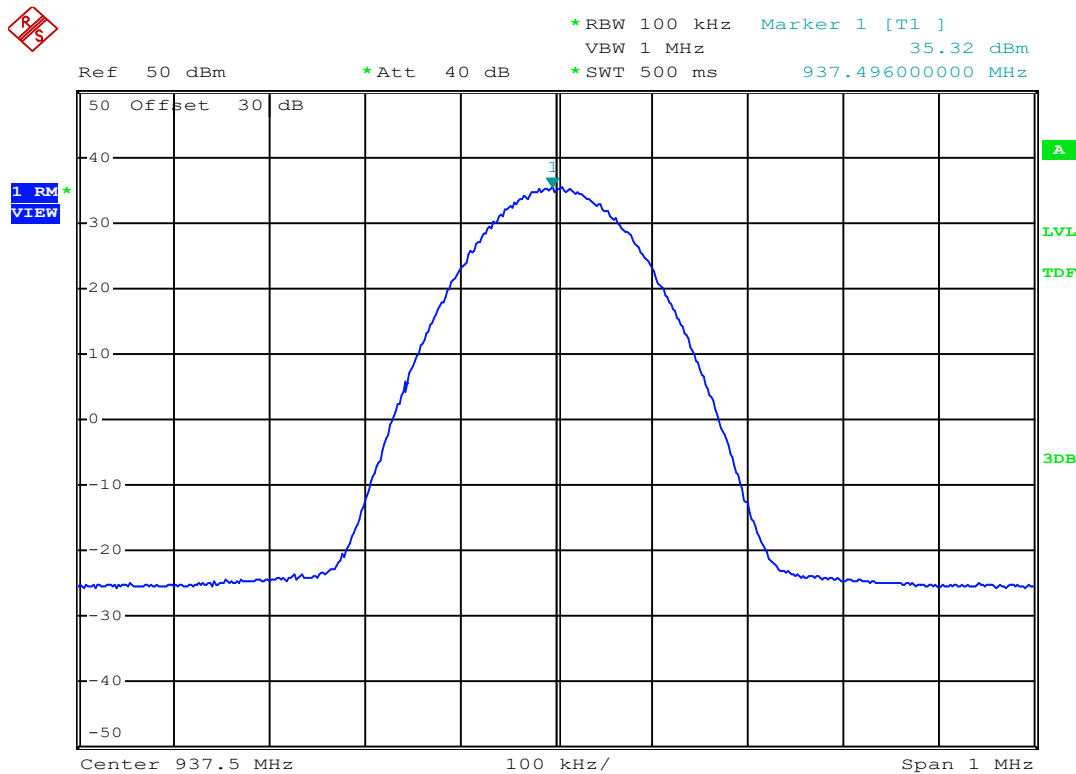
Meas. Detector:	RMS
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Modulation: QPSK

Band: 935-940 MHz

Measured Channel Power: 37.8 dBm

Conducted Power:



Date: 29.SEP.2025 15:38:39

Channel BW: 25 kHz

Channel Frequency: 937.5 MHz

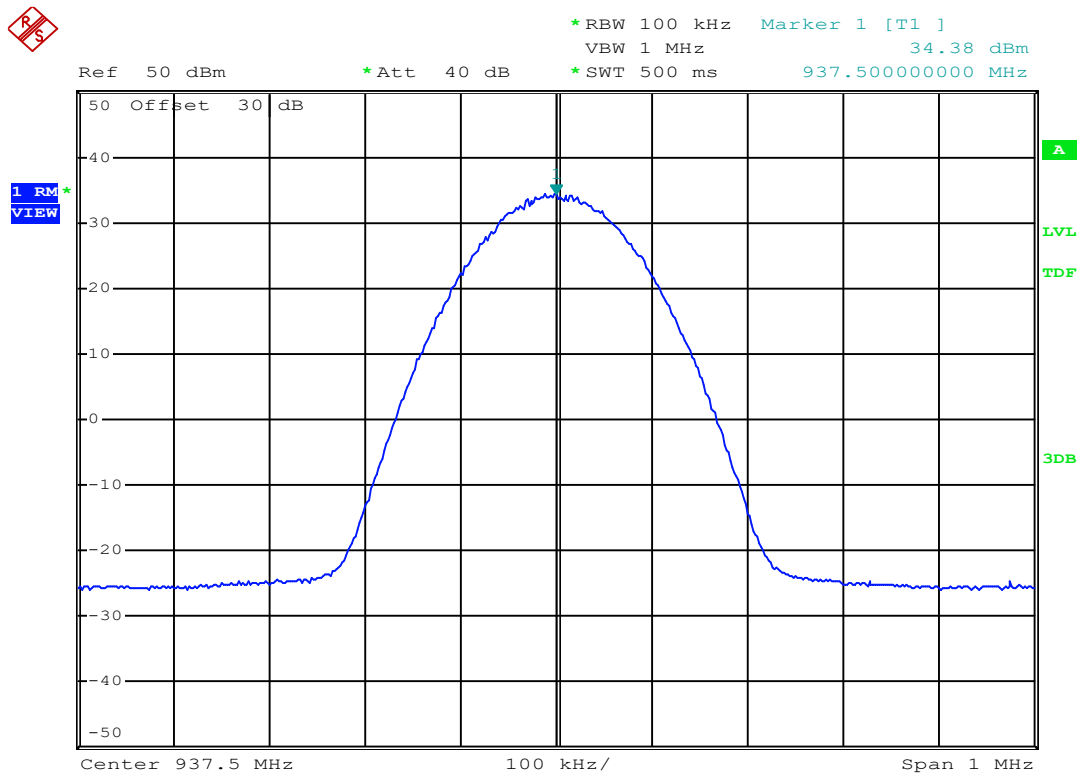
Meas. Detector:	RMS
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Modulation: 16QAM

Band: 935-940 MHz

Measured Channel Power: 35.32 dBm

Conducted Power:



Date: 29.SEP.2025 15:39:18

Channel BW: 25 kHz

Channel Frequency: 937.5 MHz

Meas. Detector:	RMS
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Modulation: 64QAM

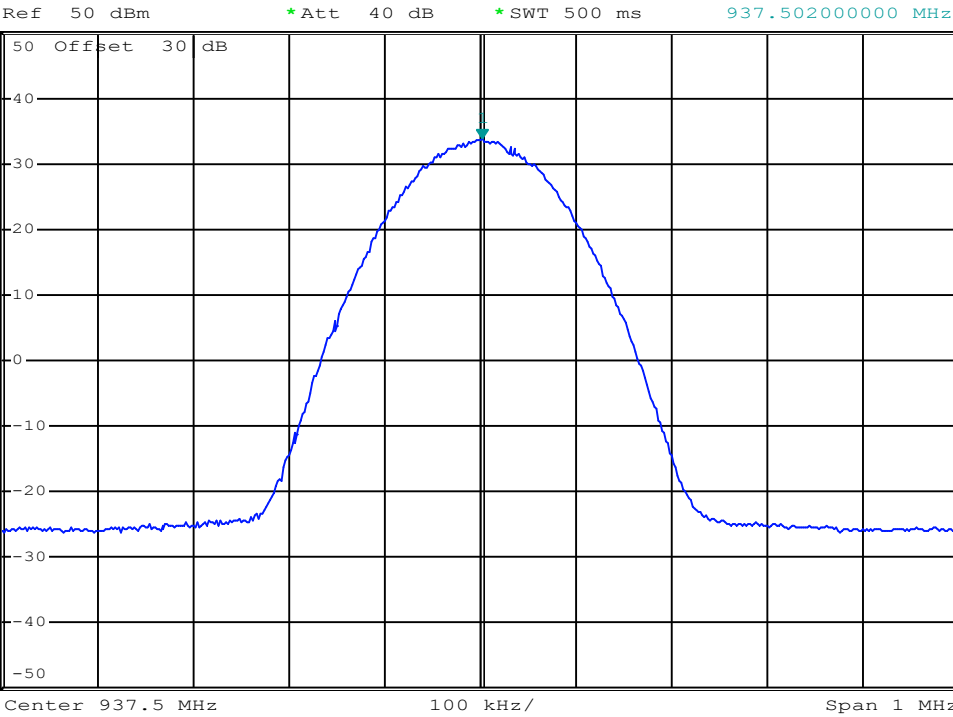
Band: 935-940 MHz

Measured Channel Power: 34.38 dBm

Conducted Power:



*RBW 100 kHz Marker 1 [T1]
VBW 1 MHz 33.88 dBm
*SWT 500 ms 937.502000000 MHz



Date: 29.SEP.2025 15:39:55

Channel BW:	25 kHz	Channel Frequency:	937.5 MHz
Meas. Detector:	RMS	Modulation:	256QAM
Band:	935-940 MHz	Measured Channel Power:	33.88 dBm

Conducted Power Measurement Results: FCC Part 90

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)
929-930	929.5	50.00	QPSK	RMS	37.57	0.50	37.57	65.4	27.8
			16QAM		35.20		35.20		30.2
			64QAM		33.71		33.71		31.7
			256QAM		33.49		33.49		31.9

Result: Complies

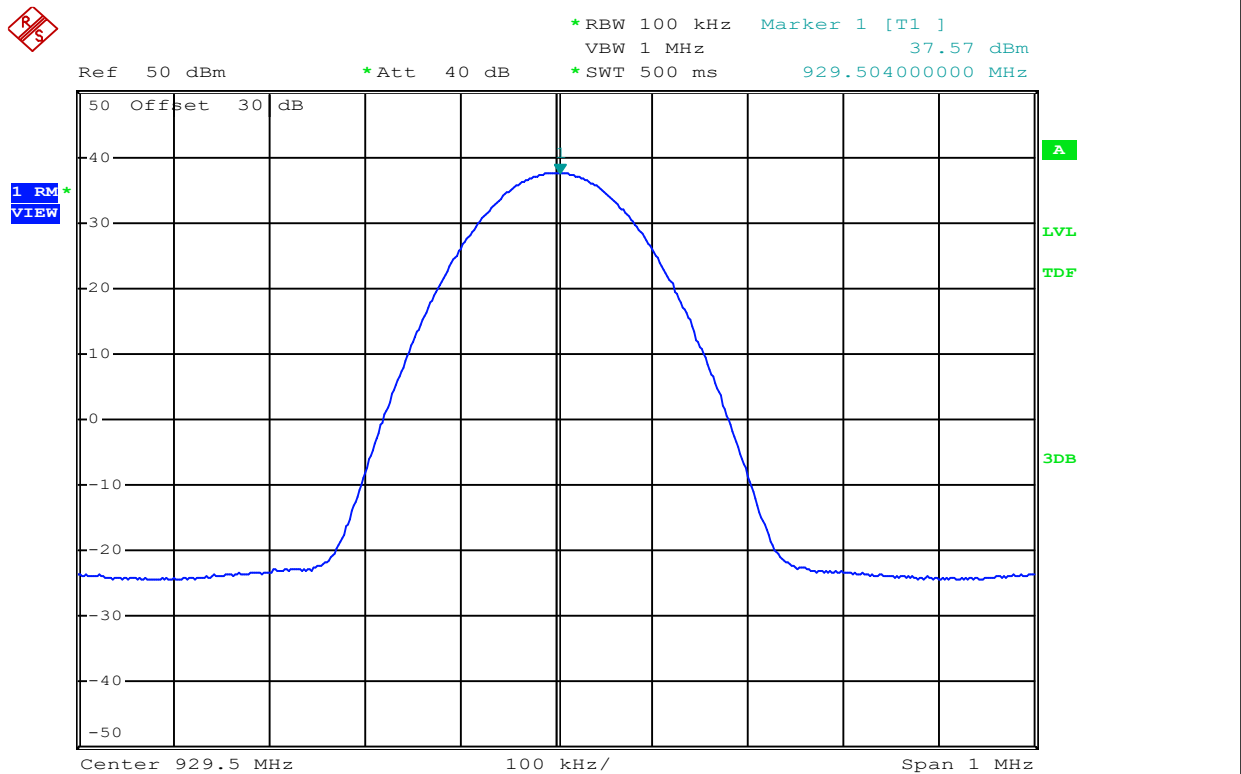
(1) Path Loss, including cable, attenuator and connectors, accounted for in the instrument's Transducer Factor (TDF)

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: 30.SEP.2025 12:14:18

Channel BW: 50 kHz

Channel Frequency: 929.5 MHz

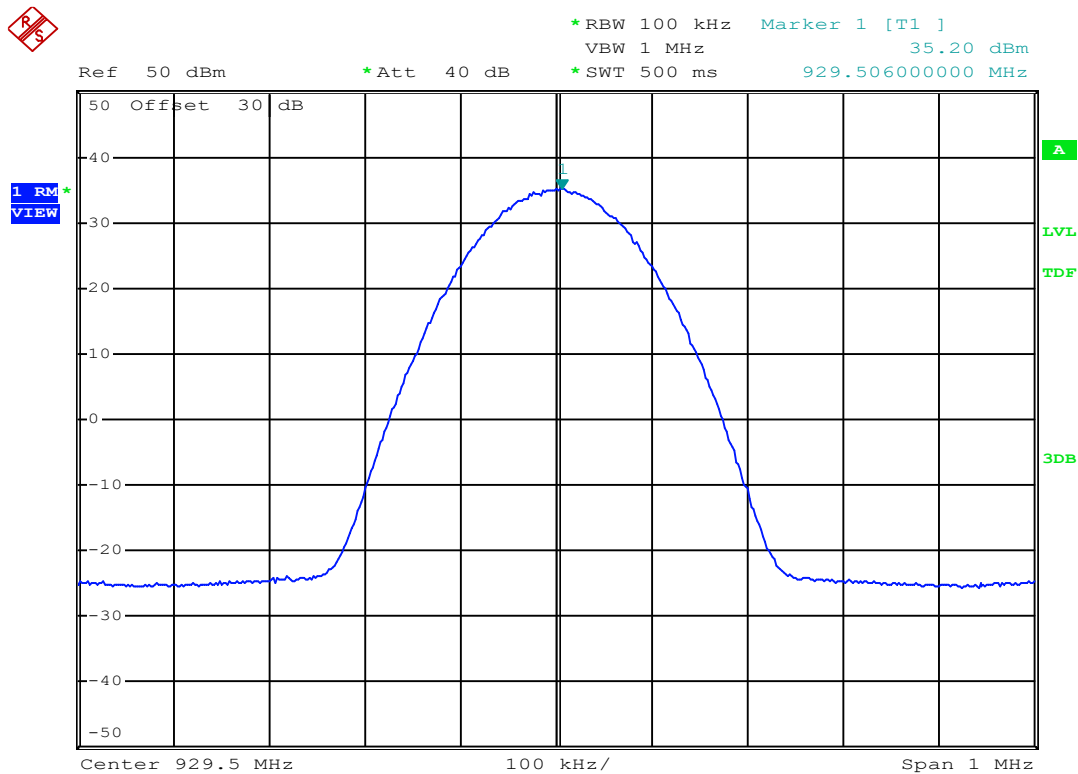
Meas. Detector:	RMS
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Modulation: QPSK

Band: 929-930 MHz

Measured Channel Power: 37.57 dBm

Conducted Power:



Date: 30.SEP.2025 12:14:52

Channel BW: 50 kHz

Channel Frequency: 929.5 MHz

Meas. Detector:	RMS
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Modulation: 16QAM

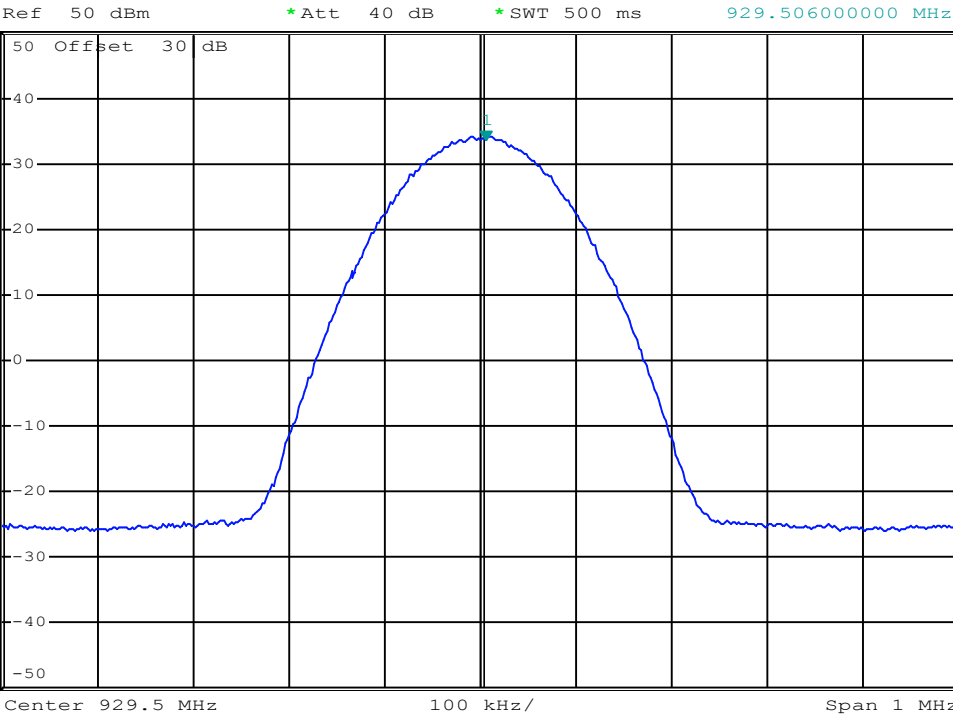
Band: 929-930 MHz

Measured Channel Power: 35.2 dBm

Conducted Power:



*RBW 100 kHz Marker 1 [T1]
VBW 1 MHz 33.71 dBm
*SWT 500 ms 929.506000000 MHz



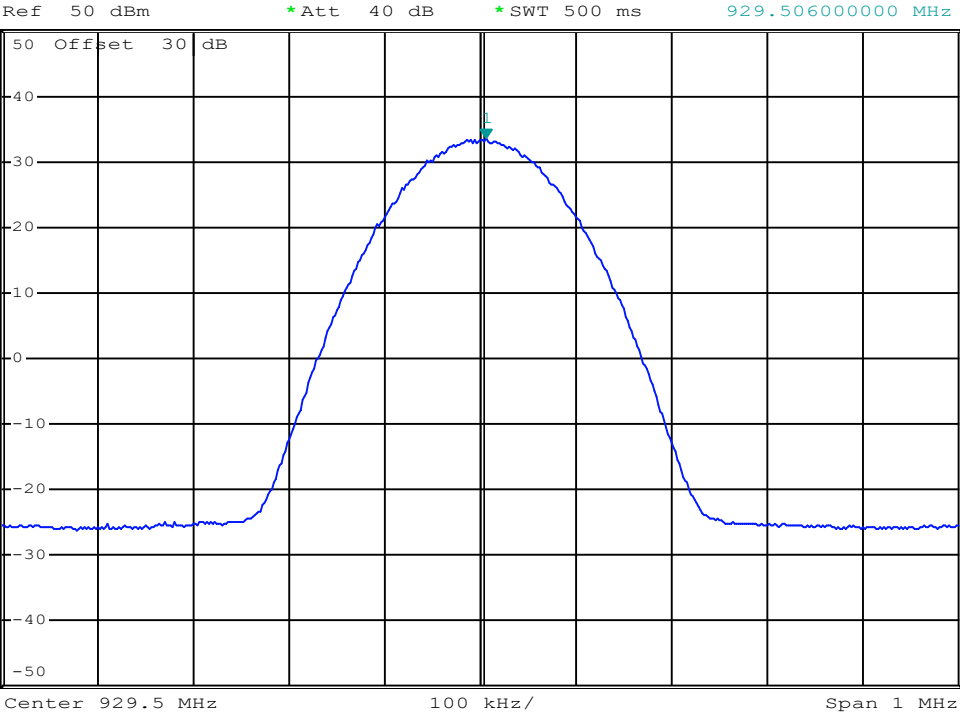
Date: 30.SEP.2025 12:15:25

Channel BW:	50 kHz	Channel Frequency:	929.5 MHz
Meas. Detector:	RMS	Modulation:	64QAM
Band:	929-930 MHz	Measured Channel Power:	33.71 dBm

Conducted Power:



*RBW 100 kHz Marker 1 [T1]
VBW 1 MHz 33.49 dBm
*Att 40 dB *SWT 500 ms 929.506000000 MHz



Date: 30.SEP.2025 12:15:58

Channel BW:	50 kHz	Channel Frequency:	929.5 MHz
Meas. Detector:	RMS	Modulation:	256QAM
Band:	929-930 MHz	Measured Channel Power:	33.49 dBm