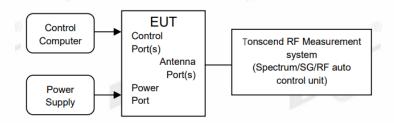


# 9. In-band Emission

#### 9.1. Block diagram of test setup



## 9.2. Limits

For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

#### 9.3. Test procedure

Connect EUT's antenna output to spectrum analyzer by RF cable.

Center Frequency	The center frequency of the channel under test
Span	Encompass the entire 26 db EBW of the signal
RBW	Same RBW used for 26 db EBW measurement
VBW	≥ 3 X RBW
Sweep time	Auto
Detector	RMS (i.e., power averaging)
Trace	Average at least 100 traces in power averaging (rms) mode.
Allow the trace to sta	bilize, use the peak search function on the instrument to find the peak of the

Allow the trace to stabilize, use the peak search function on the instrument to find the peak of the spectrum.

## 9.4. Test Result

Test Mode	Antenna	Frequency[MHz]	Result	Limit	Verdic
meao	Ant1	5955	See test graph	See test graph	PASS
	Ant2	5955	See test graph	See test graph	PASS
	Ant3	5955	See test graph	See test graph	PASS
	Ant1	6175	See test graph	See test graph	PASS
	Ant2	6175	See test graph	See test graph	PASS
	Ant3	6175	See test graph	See test graph	PASS
	Ant1	6415	See test graph	See test graph	PASS
	Ant2	6415	See test graph	See test graph	PASS
	Ant3	6415	See test graph	See test graph	PASS
(2)	Ant1	6435	See test graph 💦 🧑	See test graph	PASS
	Ant2	6435	See test graph	See test graph 💋	PASS
	Ant3	6435	See test graph	See test graph 🛸	PASS
	Ant1	6475	See test graph	See test graph	PASS
	Ant2	6475	See test graph	See test graph	PASS
	Ant3	6475	See test graph	See test graph	PASS
	Ant1	6515	See test graph	See test graph	PASS
	Ant2	6515	See test graph	See test graph	PASS
®	Ant3	6515 💿	See test graph	See test graph	PASS
11AX20MI	Ant1	6535	See test graph	See test graph	PASS
MO	Ant2	6535	See test graph	See test graph	PASS
MIG	Ant3	6535	See test graph	See test graph	PASS
	Ant1	6695	See test graph	See test graph	PASS
	Ant2	6695	See test graph	See test graph	PASS
	Ant3	6695	See test graph	See test graph	PASS
	Ant1	6855	See test graph	See test graph	PASS
	Ant2	6855	See test graph	See test graph	PASS
	Ant3	6855	See test graph	See test graph	PASS
	Ant1	6875	See test graph	See test graph	PASS
	Ant2	6875	See test graph	See test graph	PASS
	Ant3	6875	See test graph	See test graph	PASS
	Ant1	6895	See test graph	See test graph	PASS
	Ant2	6895	See test graph	See test graph	PASS
	Ant3	6895	See test graph	See test graph	PASS
	Ant1	6995	See test graph	See test graph	PASS
	Ant2	6995	See test graph	See test graph	PASS
	Ant3	6995	See test graph	See test graph	PASS
	Ant1	7115	See test graph	See test graph	PASS
	Ant2	7115	See test graph	See test graph	PASS
	Ant3	7115	See test graph	See test graph	PASS
	Ant1	5965	See test graph	See test graph	PASS
B	Ant2	5965	See test graph	See test graph	PASS
	Ant3	5965	See test graph	See test graph	PASS
	Ant1	6165	See test graph	See test graph	PASS
	Ant2	6165	See test graph	See test graph	PASS
	Ant3	6165	See test graph	See test graph	PASS
	Ant1	6405	See test graph	See test graph	PASS
	Ant2	6405	See test graph	See test graph	PASS
11AX40MI MO	Ant3	6405	See test graph	See test graph	PASS
	Ant1	6445	See test graph	See test graph	PASS
	Ant2	6445	See test graph	See test graph	PASS
	Ant3	6445	See test graph	See test graph	PASS
	Ant1	6485	See test graph	See test graph	PASS
	Ant2	6485	See test graph	See test graph	PASS
	Ant3	6485	See test graph	See test graph	PASS
	Ant1	6525	See test graph	See test graph	PASS
	Ant2	6525	See test graph	See test graph	PASS
	Ant3	6525	See test graph	See test graph	PASS
-	Ant1	6565	See test graph	See test graph	PASS
	Ant2	6565 6565	See test graph	See test graph	PASS PASS

	Ant1	6685	See test graph	See test graph	PASS
	Ant2	6685	See test graph	See test graph	PASS
	Ant3	6685	See test graph	See test graph	PASS
	Ant1	6845	See test graph	See test graph	PASS
	Ant2	6845	See test graph	See test graph	PASS
	Ant3	6845	See test graph	See test graph	PASS
	Ant1	6885	See test graph	See test graph 👋	PASS
	Ant2	6885	See test graph	See test graph	PASS
	Ant3	6885	See test graph	See test graph	PASS
	Ant1	6925	See test graph	See test graph	PASS
_	Ant2	6925	See test graph	See test graph	PASS
_	Ant3	6925	See test graph	See test graph	PASS
_	Ant1	6965	See test graph	See test graph	PASS
0	Ant2	6965	See test graph	See test graph	PASS
-	Ant3	6965	See test graph	See test graph	PASS
-	Ant1	7085	See test graph	See test graph	PASS
_	Ant2	7085	See test graph	See test graph	PASS
	Ant3	7085	See test graph	See test graph	PASS
_	Ant1	5985	See test graph	See test graph	PASS
_	Ant2	5985	See test graph	See test graph	PASS
-	Ant3	5985	See test graph	See test graph	PASS
®	Ant1	6145	See test graph	See test graph	PASS
	Ant2	6145	See test graph	See test graph	PASS
	Ant3	6145	See test graph	See test graph	PASS
	Ant1	6385	See test graph	See test graph	PASS
	Ant2	6385	See test graph	See test graph	PASS
-	Ant3	6385	See test graph	See test graph	PASS
-	Ant1	6465	See test graph	See test graph	PASS
-	Ant2	6465 6465	See test graph	See test graph	PASS PASS
1	Ant3	6545	See test graph	See test graph See test graph	PASS
	Ant1 Ant2	6545	See test graph See test graph	See test graph	PASS
	Ant2 Ant3	6545	See test graph	See test graph	PASS
	Ant1	6625	See test graph	See test graph	PASS
11AX80MI	Ant2	6625	See test graph	See test graph	PASS
MO	Ant2	6625	See test graph	See test graph	PASS
F	Ant1	6705	See test graph	See test graph	PASS
-	Ant2	6705	See test graph	See test graph	PASS
-	Ant3	6705	See test graph	See test graph	PASS
	Ant1	6785	See test graph	See test graph	PASS
-	Ant2	6785	See test graph	See test graph	PASS
-	Ant3	6785	See test graph	See test graph	PASS
	Ant1	6865	See test graph	See test graph	PASS
	Ant2	6865	See test graph	See test graph	PASS
9	Ant3	6865	See test graph 🔬	See test graph	PASS
2	Ant1	6945	See test graph	See test graph	PASS
0	Ant2	6945	See test graph	See test graph	PASS
F	Ant3	6945	See test graph	See test graph	PASS
	Ant1	7025	See test graph	See test graph	PASS
	Ant2	7025	See test graph	See test graph	PASS
	Ant3	7025	See test graph	See test graph	PASS
11AX160M	Ant1	6025	See test graph	See test graph	PASS
	Ant2	6025 🛞	See test graph	See test graph	PASS
	Ant3	6025	See test graph	See test graph	PASS
	Ant1	6185	See test graph	See test graph	PASS
	Ant2	6185	See test graph	See test graph	PASS
	Ant3	6185	See test graph	See test graph	PASS
IMO	Ant1	6345	See test graph	See test graph	PASS
	Ant2	6345	See test graph	See test graph	PASS
Ļ	Ant3	6345	See test graph	See test graph	PASS
	Ant1	6505	See test graph	See test graph	PASS
	Ant2	6505	See test graph	See test graph	PASS
	Ant3	6505	See test graph	See test graph	PASS
	Ant1	6665	See test graph	See test graph	PASS

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-	Ant3	6665	See test graph	See test graph	PASS
	Ant1	6825	See test graph	See test graph	PASS
	Ant2	6825	See test graph	See test graph	PASS
_	Ant3	6825	See test graph	See test graph	PASS
-	Ant1	6985	See test graph	See test graph	PASS
_	Ant2	<u>6985</u>	See test graph	See test graph	PASS
	Ant3	6985	See test graph	See test graph	PASS
	Ant1	5955	See test graph	See test graph	PASS
-	Ant2 Ant3	5955 5955	See test graph	See test graph See test graph	PASS PASS
F	Ant1	6175	See test graph See test graph	See test graph	PASS
	Ant2	6175	See test graph	See test graph	PASS
_	Ant3	6175	See test graph	See test graph	PASS
-	Ant1	6415	See test graph	See test graph	PASS
-	Ant2	6415	See test graph	See test graph	PASS
-	Ant3	6415	See test graph	See test graph	PASS
	Ant1	6435	See test graph	See test graph	PASS
	Ant2	6435	See test graph	See test graph	PASS
	Ant3	6435	See test graph	See test graph	PASS
F	Ant1	6475	See test graph	See test graph	PASS
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	Ant3	6475	See test graph	See test graph	PASS
	Ant1	6515	See test graph	See test graph	PASS
	Ant2	6515	See test graph	See test graph	PASS
	Ant3	6515	See test graph	See test graph	PASS
IBE20MI	Ant1	6535	See test graph	See test graph	PASS
MO -	Ant2	6535	See test graph	See test graph	PASS
	Ant3	6535	See test graph	See test graph	PASS
_	Ant1	6695	See test graph	See test graph	PASS
	Ant2	6695	See test graph	See test graph	PASS
	Ant3	6695	See test graph	See test graph	PASS
	Ant1	6855	See test graph	See test graph	PASS
	Ant2	6855	See test graph	See test graph	PASS
-	Ant3	6855	See test graph	See test graph	PASS
	Ant1	6875	See test graph	See test graph	PASS
	Ant2	6875	See test graph	See test graph	PASS PASS
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	Ant1 Ant2	6895	See test graph	See test graph See test graph	PASS
	Ant2	6895	See test graph	See test graph	PASS
-	Ant1	6995	See test graph	See test graph	PASS
7	Ant2	6995	See test graph	See test graph	PASS
_	Ant3	6995	See test graph	See test graph	PASS
	Ant1	7115	See test graph	See test graph	PASS
F	Ant2	7115	See test graph	See test graph	PASS
F	Ant3	7115	See test graph	See test graph	PASS
	Ant1	5965	See test graph	See test graph	PASS
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	Ant1	6445	See test graph	See test graph	PASS
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	Ant1	6565	See test graph	See test graph	PASS
	Ant2	6565	See test graph	See test graph	PASS
	Ant3	6565	See test graph	See test graph	PASS
-	Ant1	6685	See test graph	See test graph	PASS
-	Ant2	6685	See test graph	See test graph	PASS
-	Ant3	6685	See test graph	See test graph	PASS
	Ant1	6845 6845	See test graph	See test graph	PASS PASS
	Ant2 Ant3	6845	See test graph See test graph	See test graph See test graph	PASS
	Ant1	6885	See test graph	See test graph	PASS
	Ant2	6885	See test graph	See test graph	PASS
	Ant3	6885	See test graph	See test graph	PASS
0	Ant1	6925	See test graph	See test graph	PASS
8	Ant2	6925	See test graph	See test graph	PASS
	Ant3	6925	See test graph	See test graph	PASS
	Ant1	6965	See test graph	See test graph	PASS
	Ant2	6965	See test graph	See test graph	PASS
	Ant3	6965	See test graph	See test graph	PASS
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R	Ant3	7085	See test graph	See test graph	PASS
	Ant1	5985	See test graph	See test graph	PASS
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	Ant2 Ant3	6145	See test graph	See test graph	PASS
	Ant1	6385	See test graph	See test graph	PASS
-	Ant2	6385	See test graph	See test graph	PASS
	Ant3	6385	See test graph	See test graph	PASS
14	Ant1	6465	See test graph	See test graph	PASS
	Ant2	6465	See test graph	See test graph	PASS
	Ant3	6465	See test graph	See test graph	PASS
	Ant1	6545	See test graph	See test graph	PASS
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	Ant1	6945	See test graph	See test graph	PASS
	Ant2	6945	See test graph	See test graph	PASS
	Ant3	6945	See test graph	See test graph	PASS
8	Ant1	7025 🛞	See test graph	See test graph	PASS
	Ant2	7025	See test graph	See test graph	PASS
	Ant3	7025	See test graph	See test graph	PASS
	Ant1	6025	See test graph	See test graph	PASS
	Ant2 Ant3	6025 6025	See test graph	See test graph	PASS
		6185	See test graph	See test graph See test graph	PASS PASS
11BE160M	Ant1 Ant2	6185	See test graph See test graph	See test graph	PASS
IMO	Ant2 Ant3	6185	See test graph	See test graph	PASS
	Ant1	6345	See test graph	See test graph	PASS
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1	Ant2	6345	See test graph	See test graph	PASS

1	Ant1	6505	See test graph	See test graph	PASS
	Ant2	6505	See test graph	See test graph	PASS
	Ant3	6505	See test graph	See test graph	PASS
	Ant1	6665	See test graph	See test graph	PASS
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	Ant1	6825	See test graph	See test graph	PASS
	Ant2	6825	See test graph	See test graph	PASS
	Ant3	6825	See test graph	See test graph	PASS
	Ant1	6985	See test graph	See test graph	PASS
	Ant2	6985	See test graph	See test graph	PASS
	Ant3	6985	See test graph	See test graph	PASS
	Ant1	6105	See test graph	See test graph	PASS
(R)	Ant2	6105	See test graph	See test graph	PASS
0	Ant3	6105	See test graph	See test graph	PASS
	Ant1	6265	See test graph	See test graph 📹	PASS
	Ant2	6265	See test graph	See test graph	PASS
	Ant3	6265	See test graph	See test graph	PASS
	Ant1	6585	See test graph	See test graph	PASS
11BE320M	Ant2	6585	See test graph	See test graph	PASS
IMO	Ant3	6585	See test graph	See test graph	PASS
R	Ant1	6745	See test graph	© See test graph	PASS
	Ant2	6745	See test graph	See test graph	PASS
	Ant3	6745	See test graph	See test graph	PASS
	Ant1	6905	See test graph	See test graph	PASS
	Ant2	6905	See test graph	See test graph	PASS
	Ant3	6905	See test graph	See test graph	PASS

### 9.5. Test Graphs





















